LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091917\
Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
Operator : SJ/JU
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.287	330	340	342	rBV4	68970076	139347580	23.01%	8.516%
2	6.652	563	572	586	rBV	1321964	2410665	0.40%	0.147%
3	7.122	647	652	663	rVB	366649	678089	0.11%	0.041%
4	7.316	676	685	696	rBV2	814700	2307295	0.38%	0.141%
5	7.510	709	718	735	rVB	1055298	2406264	0.40%	0.147%
6	7.899	769	784	796	rBV3	64402942	298543246	49.31%	18.244%
7	8.469	852	881	885	rBV5	83585065	605501604	100.00%	37.002%
8	8.675	909	916	929	rVB	1077991	1820430	0.30%	0.111%
9	9.146	988	996	998	rBV	1699813	2856572	0.47%	0.175%
10	9.187	998	1003	1018	rVB	7529399	12538891	2.07%	0.766%
11	9.475	1045	1052	1064	rBV	2715604	4413267	0.73%	0.270%
12	9.793	1100	1106	1112	rVB	1473587	2540476	0.42%	0.155%
13	9.857	1112	1117	1120	rBV	1375320	2356862	0.39%	0.144%
14	10.398	1201	1209	1220	rBV	1828143	3434106	0.57%	0.210%
15	10.692	1242	1259	1264	rBV5	72005606	281259485	46.45%	17.188%
16	10.798	1271	1277	1289	rVB	2266758	3552269	0.59%	0.217%
17	11.192	1331	1344	1361	rBV2	62845216	148442876	24.52%	9.071%
18	11.375	1368	1375	1389	rBV	5125268	8372256	1.38%	0.512%
19	11.587	1400	1411	1422	rBV	1143572	2025642	0.33%	0.124%
20	12.063	1480	1492	1504	rBV2	768186	1555421	0.26%	0.095%
21	12.739	1599	1607	1612	rBV	1875269	3555662	0.59%	0.217%
22	12.792	1612	1616	1624	rVB	3428205	5197372	0.86%	0.318%
23	13.016	1647	1654	1666	rBV	520087	997129	0.16%	0.061%
24	13.404	1712	1720	1728	rBV	12787650	19978083	3.30%	1.221%
25	13.998	1812	1821	1827	rBV2	4871667	9278023	1.53%	0.567%
26	14.292	1864	1871	1879	rBV	4434136	6304640	1.04%	0.385%
27	14.598	1916	1923	1934	rVB2	2930755	4629120	0.76%	0.283%
28	14.780	1945	1954	1967	rBV3	381987	964119	0.16%	0.059%
29	15.586	2084	2091	2097	rBV	5699489	7976273	1.32%	0.487%
30	15.692	2103	2109	2122	rVB	1857220	2789685	0.46%	0.170%
31	17.333	2380	2388	2398	rBV2	3677594	5425554	0.90%	0.332%
32	17.433	2398	2405	2420	rVB	6359992	8842554	1.46%	0.540%
33	18.704	2612	2621	2627	rBV	691015	1012903	0.17%	0.062%
34	19.721	2787	2794	2802	rBV	7784852	10648831	1.76%	0.651%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091917\
Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
Operator : SJ/JU
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Title : SVOA CALIBRATION

35	21.498	3091	3096	3103	rBV	4637642	6329436	1.05%	0.387%
36	23.721	3466	3474	3486	rBV2	5422186	10446722	1.73%	0.638%
37	23.874	3493	3500	3513	rVB	2761332	5651089	0.93%	0.345%

Sum of corrected areas: 1636390491

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091917\
Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
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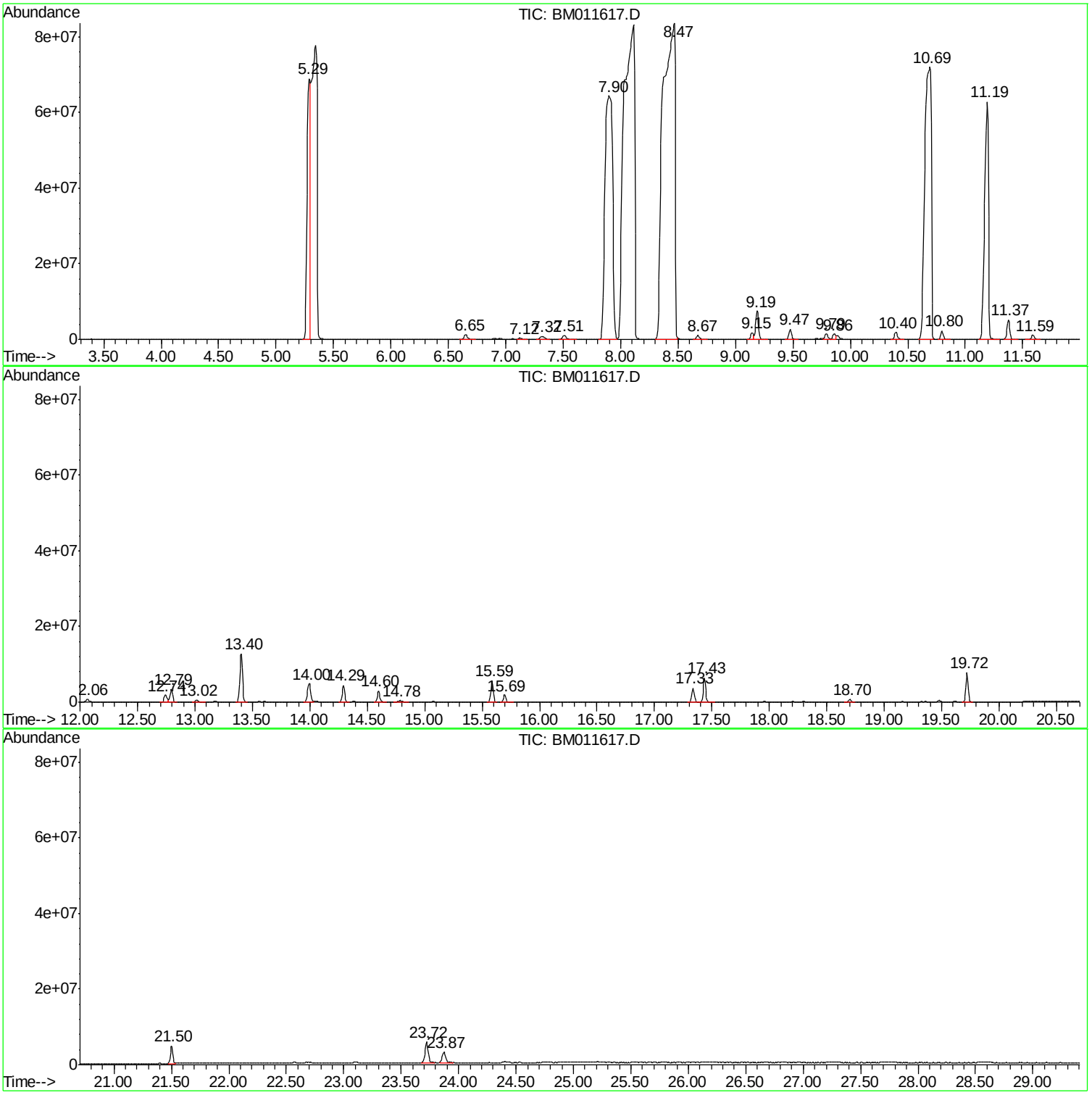
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091917\
Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
Operator : SJ/JU
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

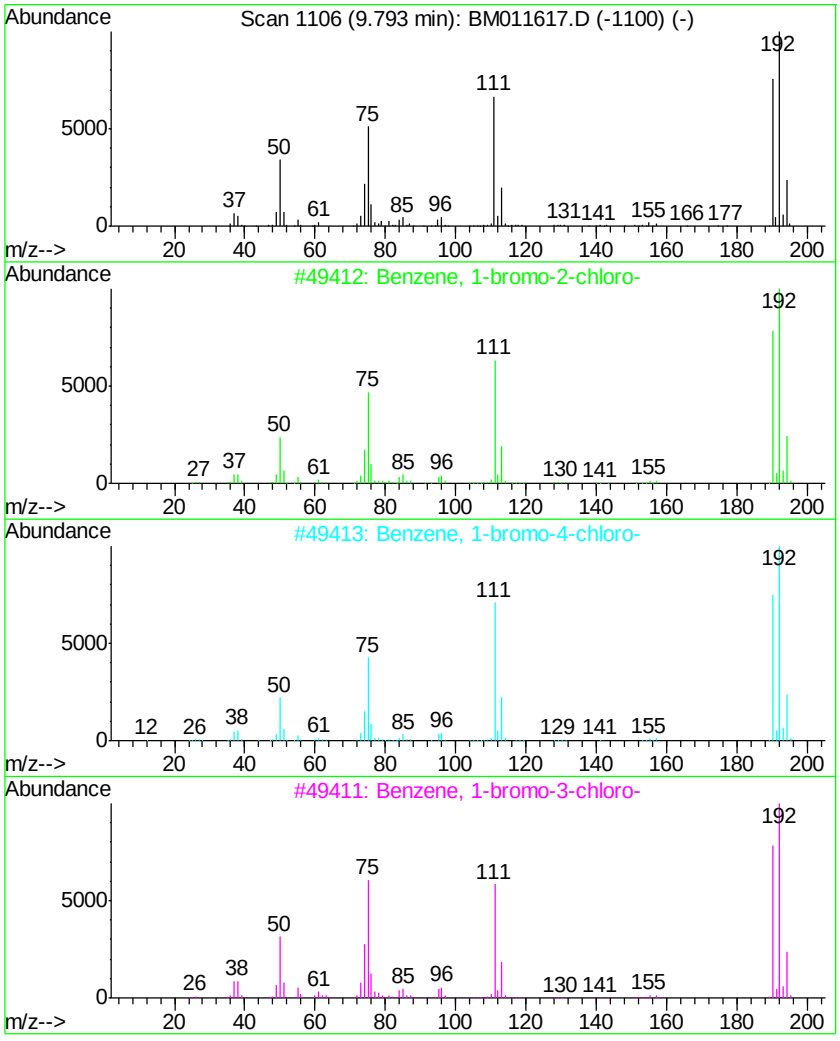
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

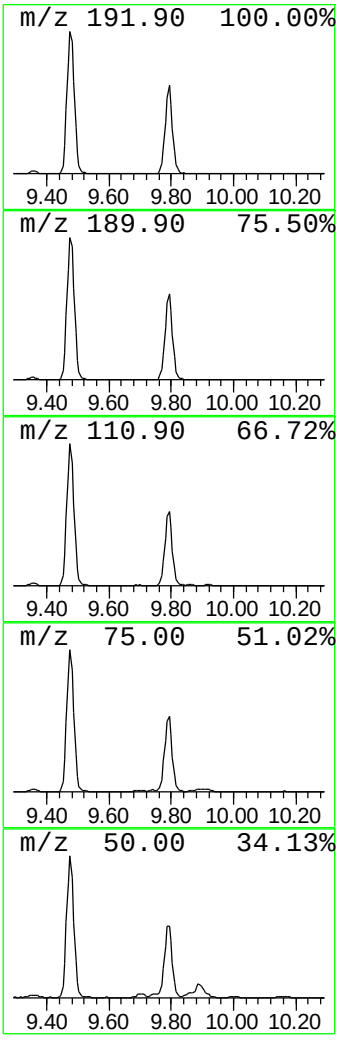
****

Peak Number 5 Benzene, 1-bromo-2-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	14.30 ng/ul	2540480	Naphthalene-d8	10.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
2	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	97
3	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
5	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091917\
Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
Operator : SJ/JU
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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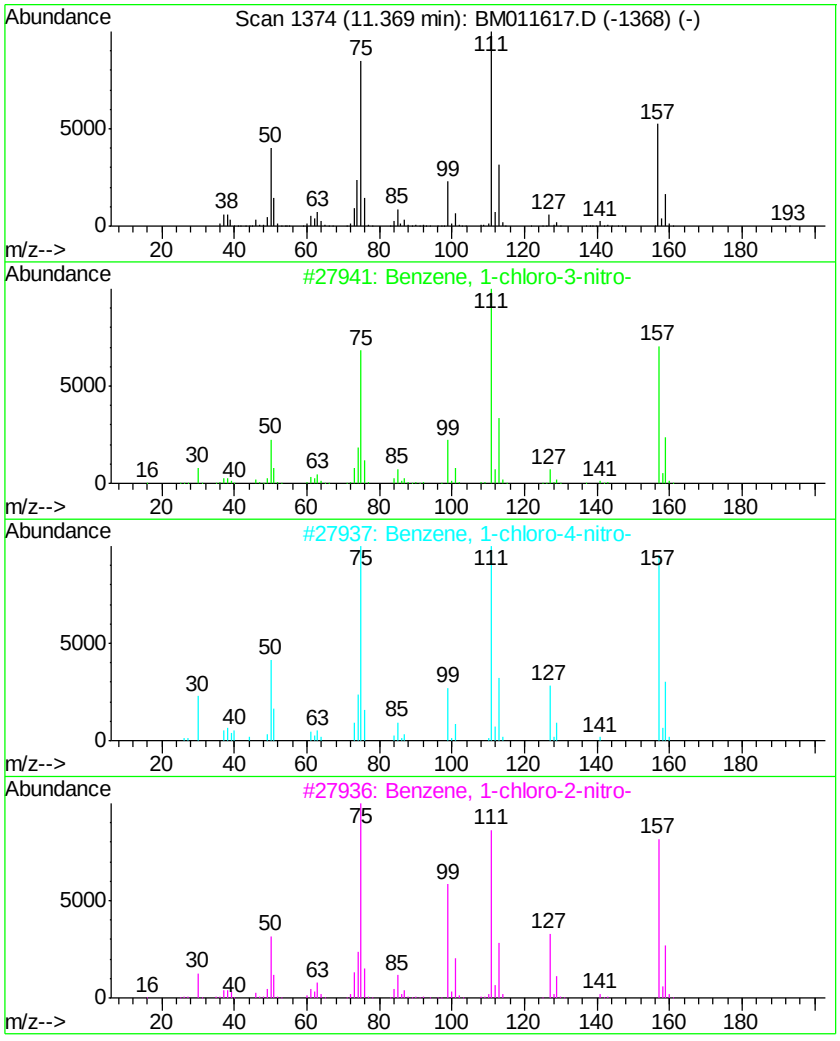
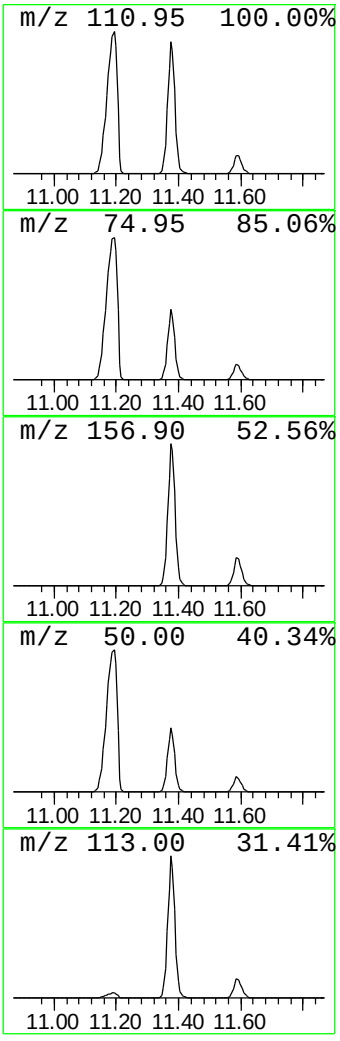
Peak Number 8 Benzene, 1-chloro-3-nitro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	47.14 ng/ul	8372260	Naphthalene-d8	10.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	96
2	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	94
3	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	91
4	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	90
5	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091917\
Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
Operator : SJ/JU
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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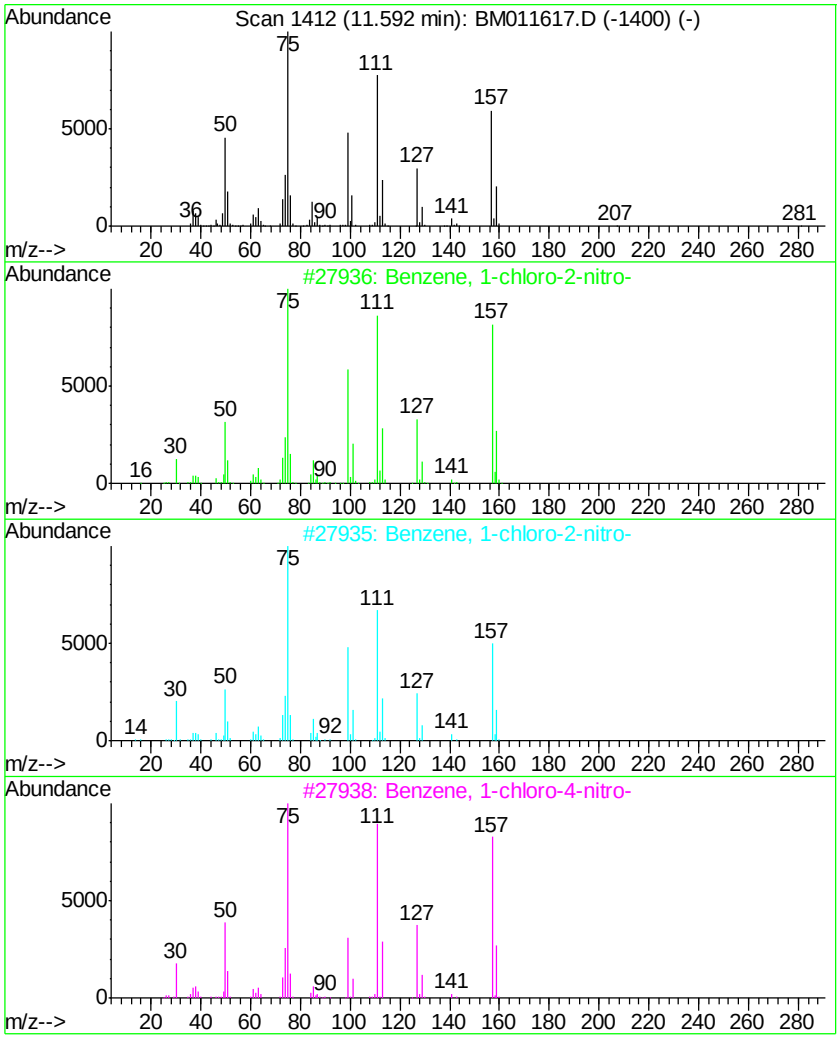
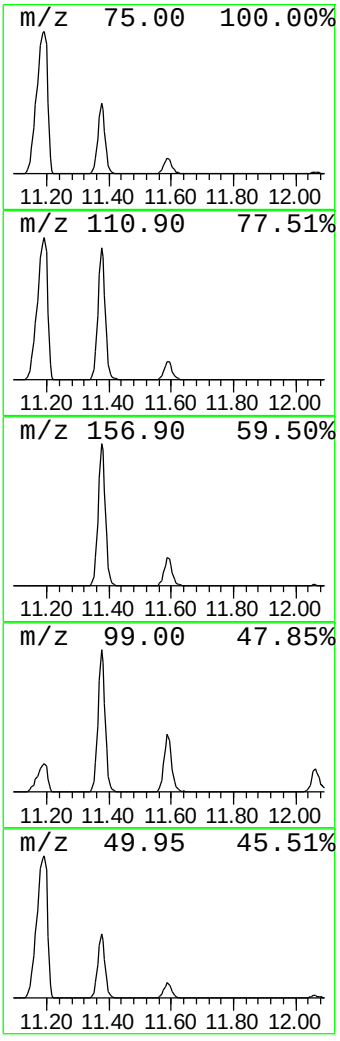
Peak Number 9 Benzene, 1-chloro-2-nitro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	11.40 ng/ul	2025640	Naphthalene-d8	10.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	98
2	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	98
3	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	95
4	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	94
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091917\
Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
Operator : SJ/JU
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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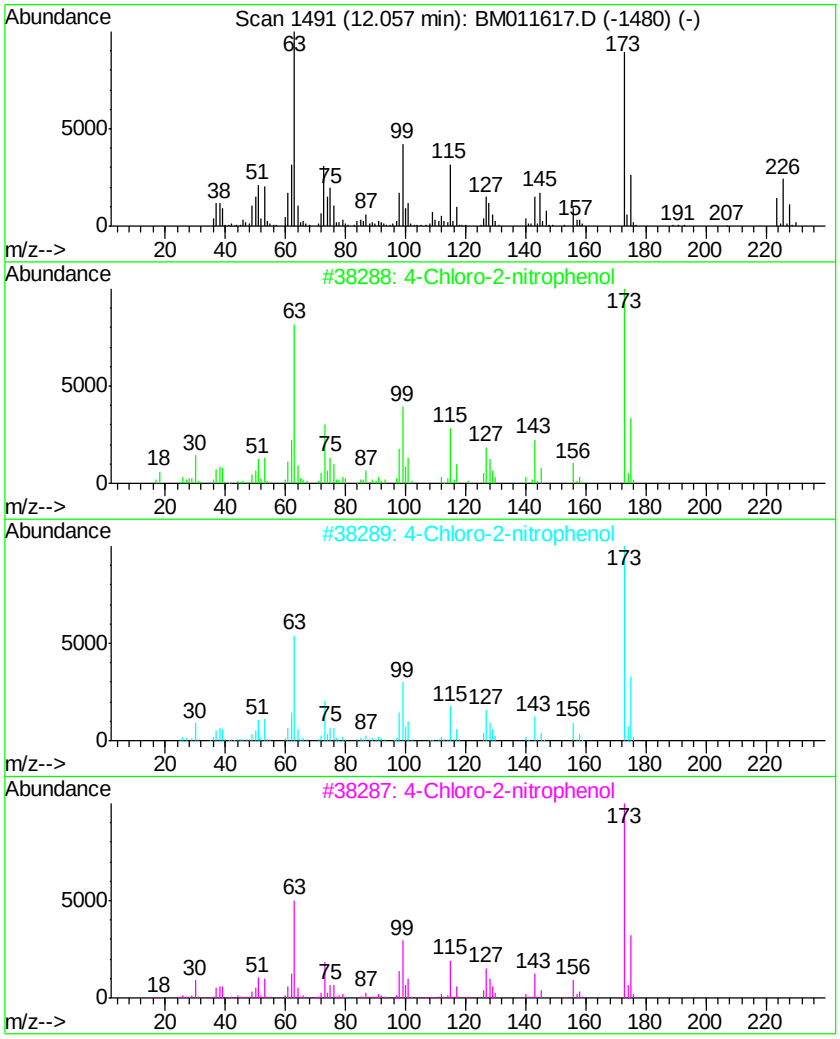
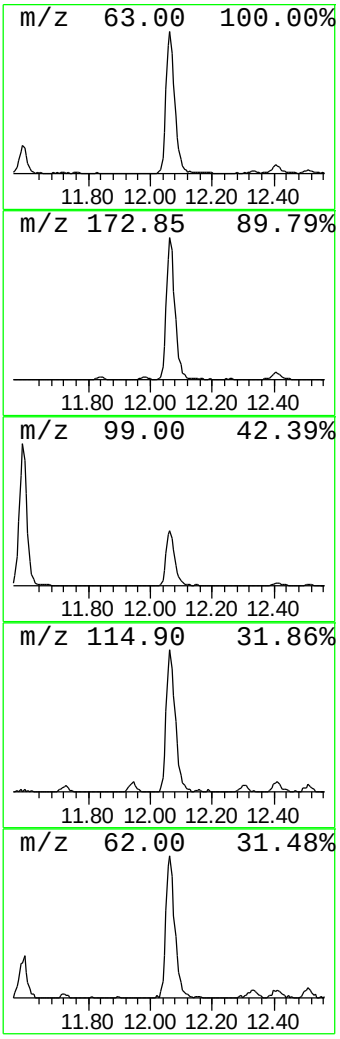
Peak Number 10 4-Chloro-2-nitrophenol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	8.76 ng/ul	1555420	Naphthalene-d8	10.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	98
2	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	95
3	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	95
4	Phenol, 5-chloro-2-nitro-	173	C6H4ClNO3	000611-07-4	90
5	Phenol, 2-chloro-4-nitro-	173	C6H4ClNO3	000619-08-9	80





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Data File : BM011617.D
Acq On : 19 Sep 2017 22:52
Operator : SJ/JU
Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

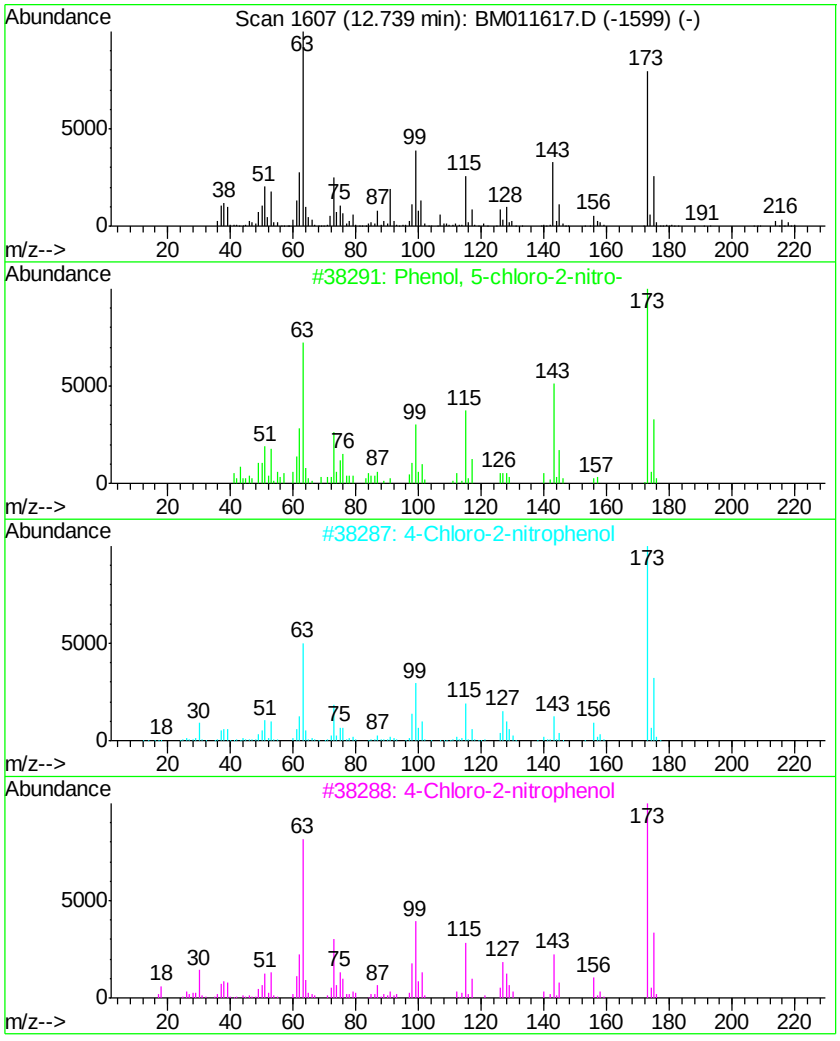
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

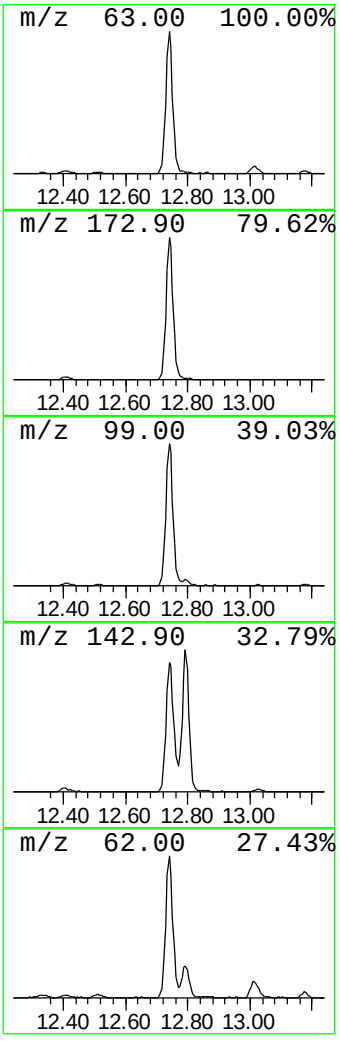
****

Peak Number 11 Phenol, 5-chloro-2-nitro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	15.36 ng/ul	3555660	Acenaphthene-d10	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 5-chloro-2-nitro-	173	C6H4ClNO3	000611-07-4	90
2	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	80
3	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	80
4	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	72
5	Phosgene	98	CCl2O	000075-44-5	43





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Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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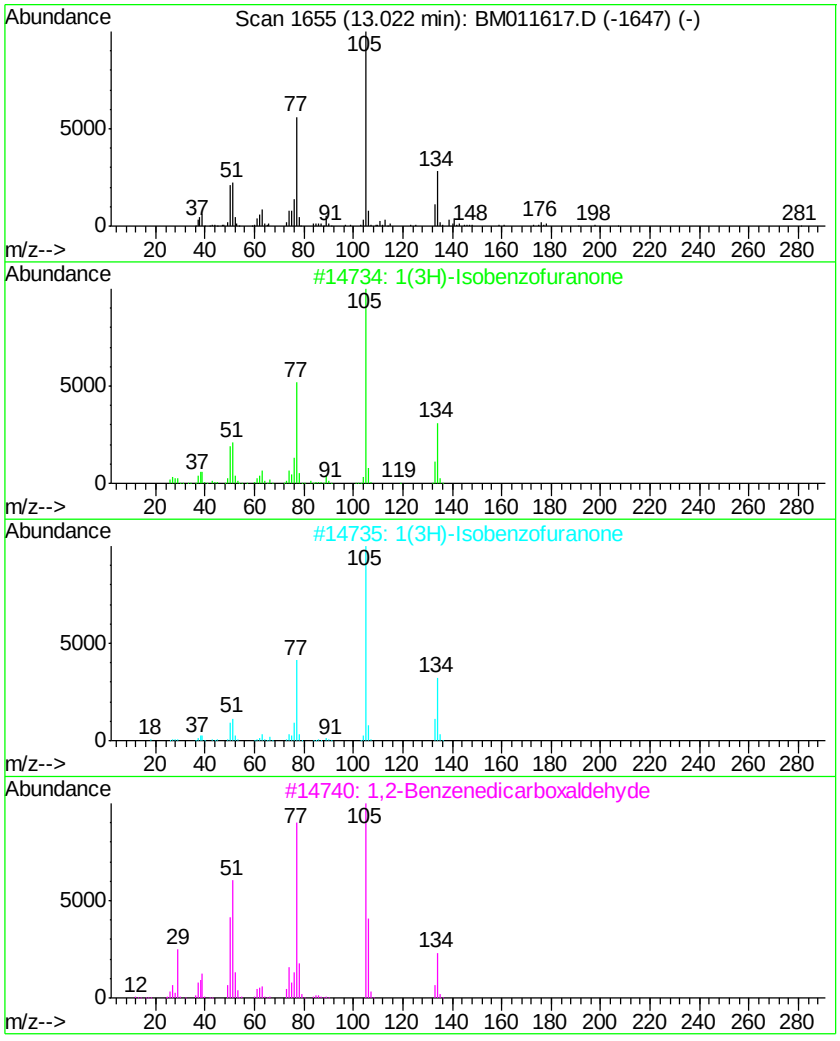
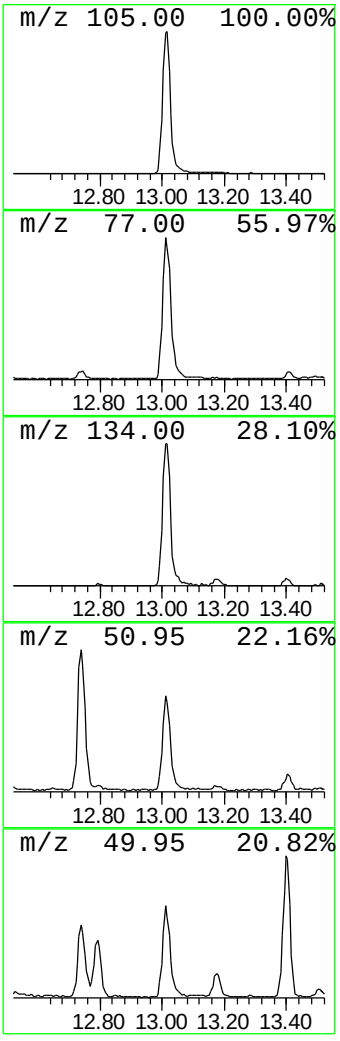
Peak Number 12 1(3H)-Isobenzofuranone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	4.31 ng/ul	997129	Acenaphthene-d10	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	96
2	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	91
3	1,2-Benzenedicarboxaldehyde	134	C8H6O2	000643-79-8	90
4	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	81
5	Furan-2,4-dicarbonitrile, 2,3-di...	211	C12H9N3O	100805-20-7	53





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Sample : I5271-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

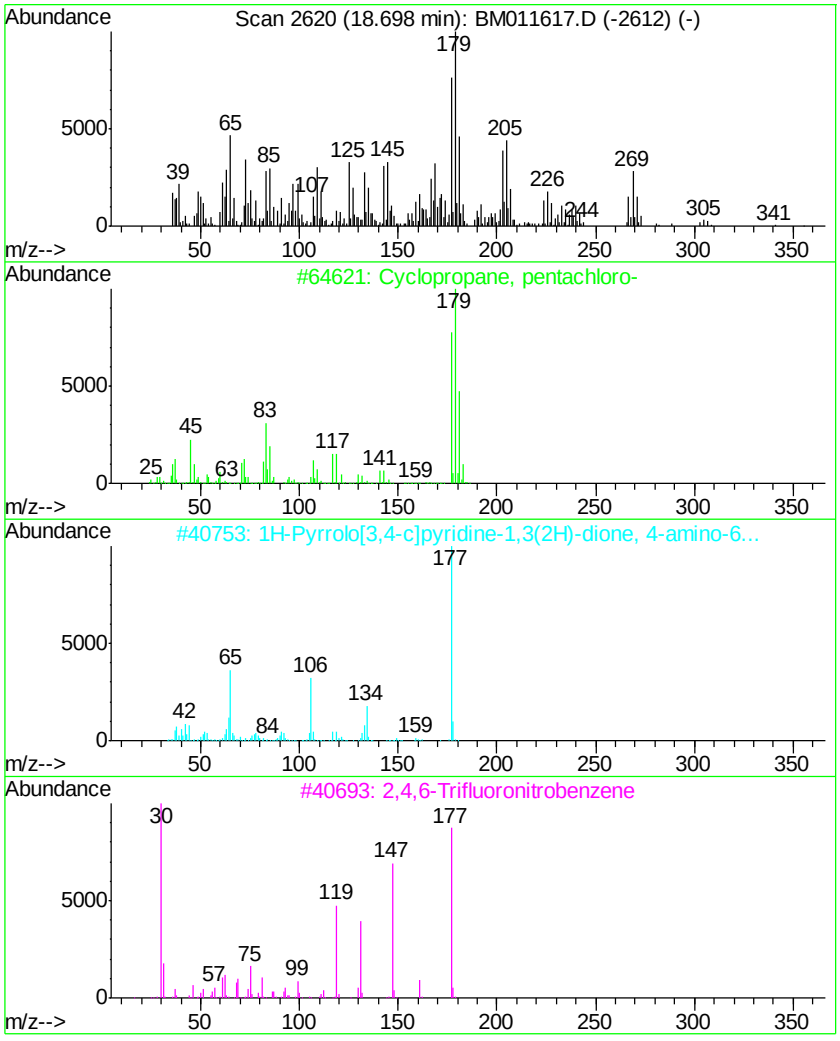
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

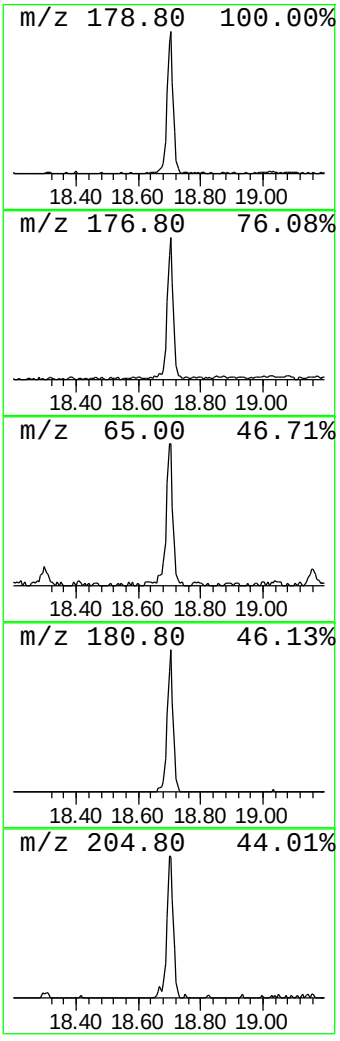
****

Peak Number 13 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	3.73 ng/ul	1012900	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, pentachloro-	212	C3HCl5	006262-51-7	35
2	1H-Pyrrolo[3,4-c]pyridine-1,3(2H...	177	C8H7N3O2	090004-20-9	25
3	2,4,6-Trifluoronitrobenzene	177	C6H2F3NO2	000315-14-0	11
4	3-Acetyl-2,5-dichlorothiophene	194	C6H4Cl2OS	036157-40-1	10
5	Benzene, 1-fluoro-2-(trichlorome...	212	C7H4Cl3F	000488-98-2	10





Tentatively Identified Compound (LSC) summary

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Data File : BM011617.D
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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-bromo-...	9.79	14.3	ng/ul	2540480	2	10.80	3552270	20.0
Benzene, 1-chloro...	11.37	47.1	ng/ul	8372260	2	10.80	3552270	20.0
Benzene, 1-chloro...	11.59	11.4	ng/ul	2025640	2	10.80	3552270	20.0
4-Chloro-2-nitrop...	12.06	8.8	ng/ul	1555420	2	10.80	3552270	20.0
Phenol, 5-chloro-...	12.74	15.4	ng/ul	3555660	3	14.60	4629120	20.0
1(3H)-Isobenzofur...	13.02	4.3	ng/ul	997129	3	14.60	4629120	20.0
unknown-01	18.70	3.7	ng/ul	1012900	4	17.33	5425550	20.0