LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM113017.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	6.851	634	640	650	rVB	375087	650145	2.90%	0.497%
2	7.016	661	668	680	rVB	303903	498014	2.22%	0.381%
3	7.204	694	700	710	rBV	387605	645964	2.88%	0.494%
4	7.669	773	779	788	rVB	539247	875900	3.90%	0.670%
5	8.381	894	900	910	rBV	516428	850437	3.79%	0.650%
6	8.828	968	976	983	rBV	422295	731545	3.26%	0.560%
7	9.539	1090	1097	1110	rBV	356382	631452	2.81%	0.483%
8	10.080	1182	1189	1200	rBV	509492	926721	4.13%	0.709%
9	10.451	1240	1252	1255	rBV	780351	1303123	5.80%	0.997%
10	10.498	1255	1260	1268	rVV	1826079	2953369	13.15%	2.259%
11	10.592	1268	1276	1294	rVB2	461345	940930	4.19%	0.720%
12	12.116	1527	1535	1543	rBV	981179	1520204	6.77%	1.163%
13	12.339	1563	1573	1584	rBV	583527	992462	4.42%	0.759%
14	13.139	1703	1709	1716	rBV	482160	720020	3.21%	0.551%
15	13.339	1736	1743	1753	rVB	194991	388499	1.73%	0.297%
16	13.474	1757	1766	1768	rBV2	244079	460717	2.05%	0.352%
17	13.633	1784	1793	1798	rBV2	364728	674892	3.01%	0.516%
18	13.686	1798	1802	1805	rVV	241031	345468	1.54%	0.264%
19	13.727	1805	1809	1814	rVB	1024190	1426355	6.35%	1.091%
20	13.868	1823	1833	1837	rBV	156237	294140	1.31%	0.225%
21	14.004	1847	1856	1867	rBV	1175328	2009009	8.95%	1.537%
22	14.315	1899	1909	1914	rBV3	1175809	2117080	9.43%	1.619%
23	14.380	1914	1920	1928	rVV	4145839	5989263	26.67%	4.581%
24	14.539	1939	1947	1956	rBV3	348785	731651	3.26%	0.560%
25	14.627	1956	1962	1966	rVV2	179527	275949	1.23%	0.211%
26	14.715	1970	1977	1985	rVB	2671827	3813055	16.98%	2.917%
27	15.309	2072	2078	2083	rBV	1470913	2146657	9.56%	1.642%
28	15.368	2083	2088	2094	rVV	3464931	4799554	21.38%	3.671%
29	15.451	2098	2102	2106	rBV2	368126	628212	2.80%	0.481%
30	15.492	2106	2109	2112	rVV	243482	348555	1.55%	0.267%
31	15.527	2112	2115	2120	rVB2	373904	512966	2.28%	0.392%
32	15.615	2126	2130	2134	rVV	176466	237770	1.06%	0.182%
33	15.662	2134	2138	2147	rVB	517799	818388	3.64%	0.626%
34	15.809	2155	2163	2171	rVV	497986	1048407	4.67%	0.802%

LSC Area Percent Report

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Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM113017.M
Title : SVOA CALIBRATION

35	16.045	2197	2203	2211	rVB4	211489	400942	1.79%	0.307%
36	16.374	2253	2259	2263	rVV2	277161	521039	2.32%	0.399%
37	16.727	2314	2319	2325	rVB	685187	1014313	4.52%	0.776%
38	16.821	2325	2335	2340	rVV4	260172	654029	2.91%	0.500%
39	16.886	2340	2346	2355	rVB	1007622	1546887	6.89%	1.183%
40	17.068	2367	2377	2380	rBV2	1565763	2492827	11.10%	1.907%
41	17.115	2380	2385	2390	rVV	16184132	22453220	100.00%	17.174%
42	17.168	2390	2394	2397	rVV2	1873021	2833049	12.62%	2.167%
43	17.198	2397	2399	2406	rVB	1627540	2014854	8.97%	1.541%
44	17.474	2439	2446	2451	rBV	487785	765114	3.41%	0.585%
45	17.586	2458	2465	2471	rBV3	206775	384257	1.71%	0.294%
46	17.645	2471	2475	2485	rVB5	140149	291316	1.30%	0.223%
47	17.939	2520	2525	2529	rBV	705759	986830	4.40%	0.755%
48	17.986	2529	2533	2539	rVB	988993	1386343	6.17%	1.060%
49	18.068	2539	2547	2552	rBV	305297	487899	2.17%	0.373%
50	18.139	2552	2559	2563	rBV2	1500386	2472987	11.01%	1.892%
51	18.168	2563	2564	2572	rVB	352043	368394	1.64%	0.282%
52	18.445	2606	2611	2615	rBV	649366	860786	3.83%	0.658%
53	18.492	2615	2619	2625	rVB2	257581	370477	1.65%	0.283%
54	18.862	2676	2682	2685	rBV2	165029	270946	1.21%	0.207%
55	19.009	2702	2707	2714	rBV2	203449	356722	1.59%	0.273%
56	19.133	2721	2728	2735	rVB	10510563	13801374	61.47%	10.557%
57	19.374	2764	2769	2774	rVB	241341	321576	1.43%	0.246%
58	19.462	2778	2784	2787	rBV2	3389963	5566588	24.79%	4.258%
59	19.497	2787	2790	2797	rVV	6098644	7913979	35.25%	6.053%
60	19.562	2797	2801	2808	rVB	241179	362913	1.62%	0.278%
61	19.674	2814	2820	2826	rBV	332521	461709	2.06%	0.353%
62	19.815	2838	2844	2845	rBV2	256311	372773	1.66%	0.285%
63	19.950	2862	2867	2869	rBV3	179961	277408	1.24%	0.212%
64	19.992	2870	2874	2880	rVB	654236	931413	4.15%	0.712%
65	20.092	2886	2891	2895	rBV	603879	782667	3.49%	0.599%
66	20.144	2895	2900	2904	rVV2	255059	455315	2.03%	0.348%
67	20.903	3024	3029	3032	rBV2	295370	408604	1.82%	0.313%
68	20.939	3032	3035	3038	rVV	288793	368121	1.64%	0.282%
69	20.974	3038	3041	3047	rVV3	375620	651018	2.90%	0.498%
70	21.033	3047	3051	3062	rVB2	204548	365752	1.63%	0.280%
71	21.256	3081	3089	3093	rBV2	2485693	4908173	21.86%	3.754%

LSC Area Percent Report

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Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM113017.M
Title : SVOA CALIBRATION

72	21.291	3093	3095	3105	rVB	1186487	1426415	6.35%	1.091%
73	21.409	3111	3115	3122	rBV	263822	335299	1.49%	0.256%
74	22.815	3348	3354	3359	rBV2	461998	1020474	4.54%	0.781%
75	23.338	3437	3443	3448	rBV	1077494	1947439	8.67%	1.490%
76	23.480	3461	3467	3473	rBV	1025707	1818387	8.10%	1.391%

Sum of corrected areas: 130737501

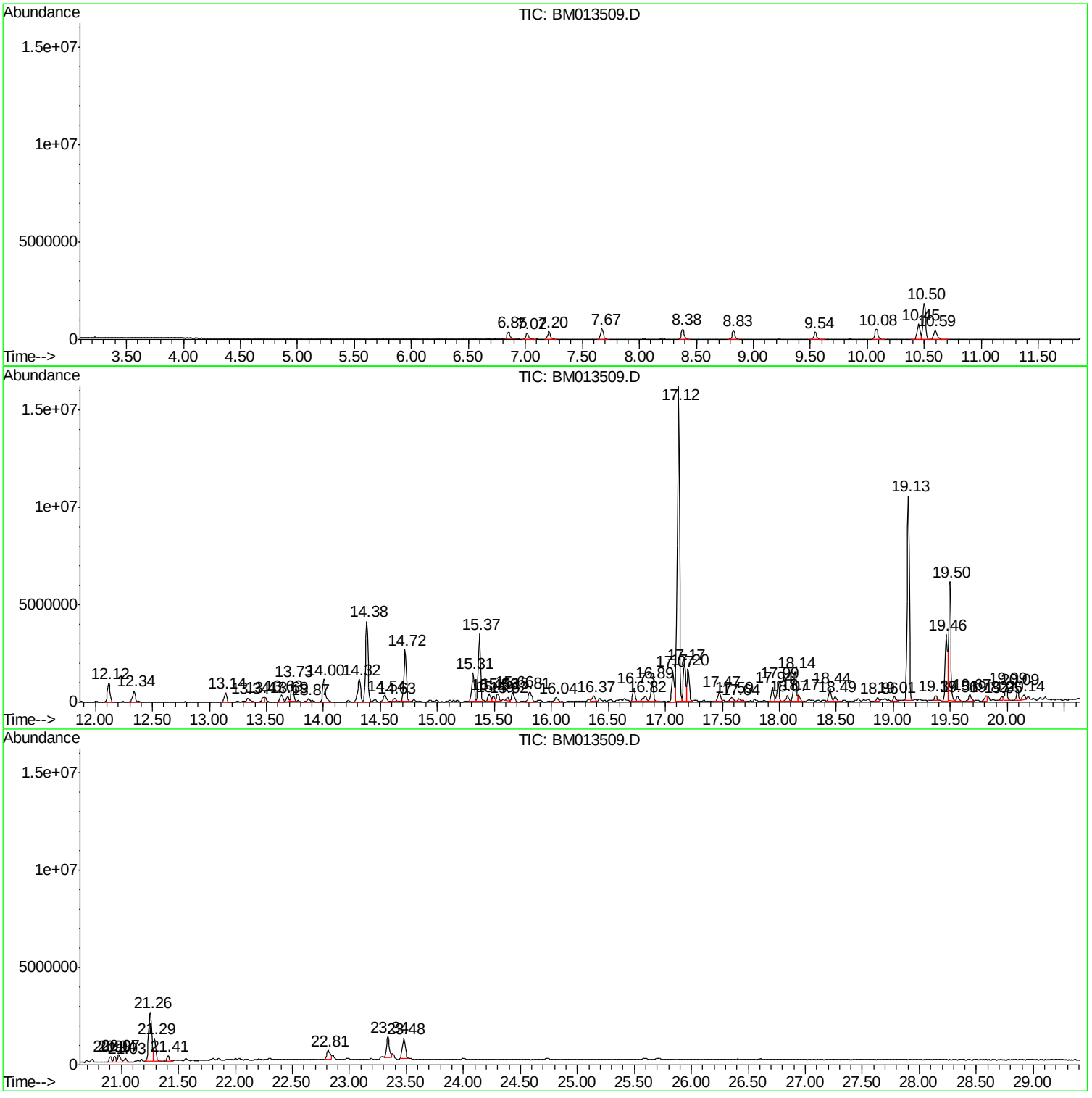
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

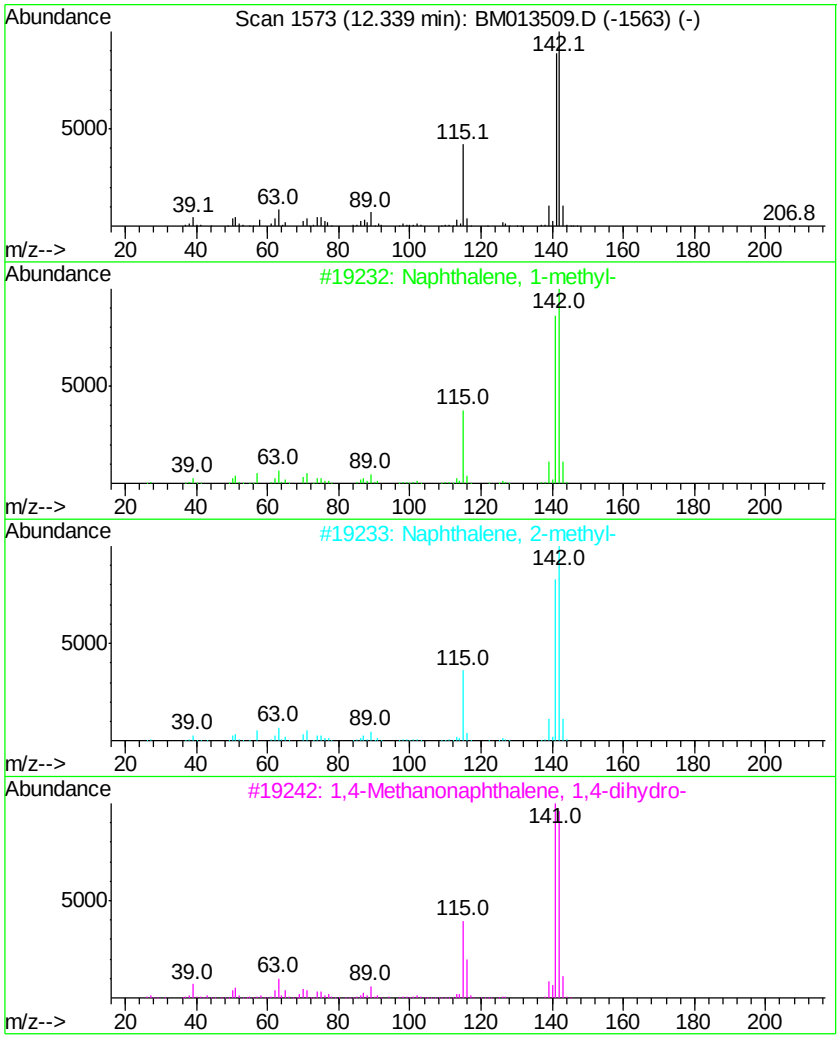
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

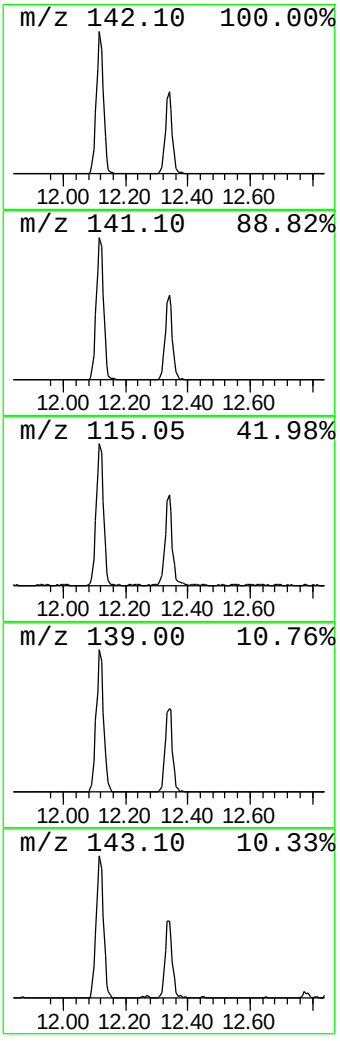
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	15.23 ng/ul	992462	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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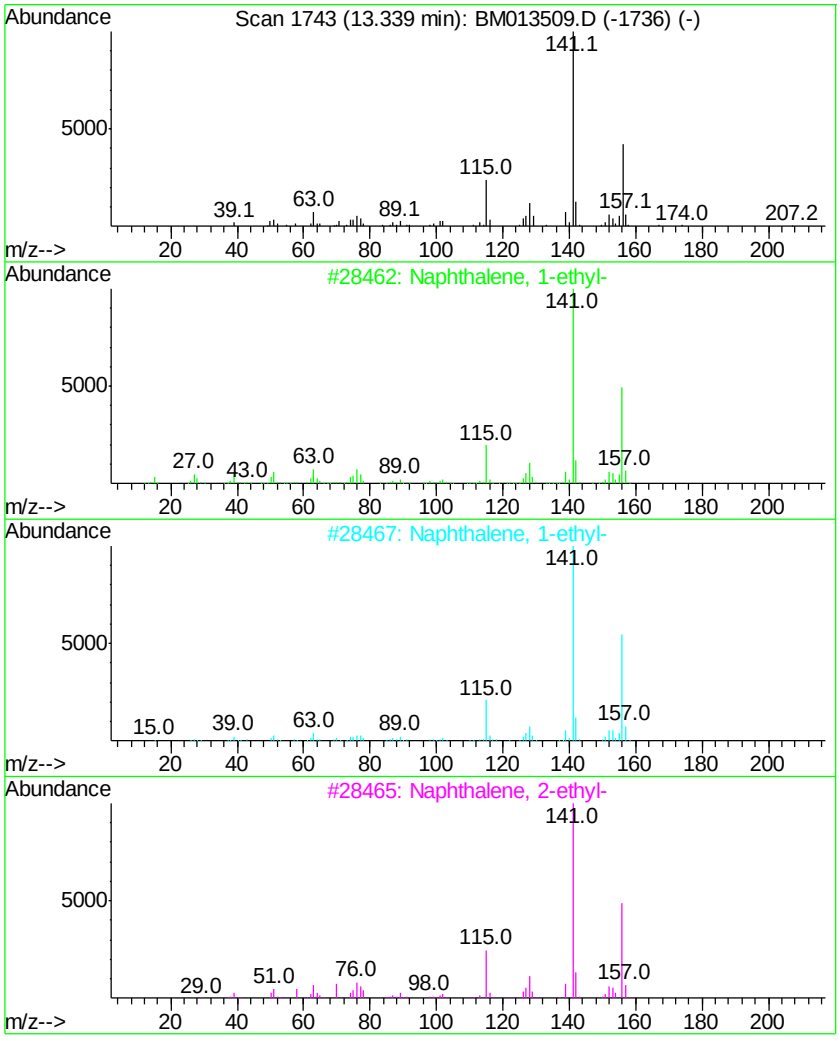
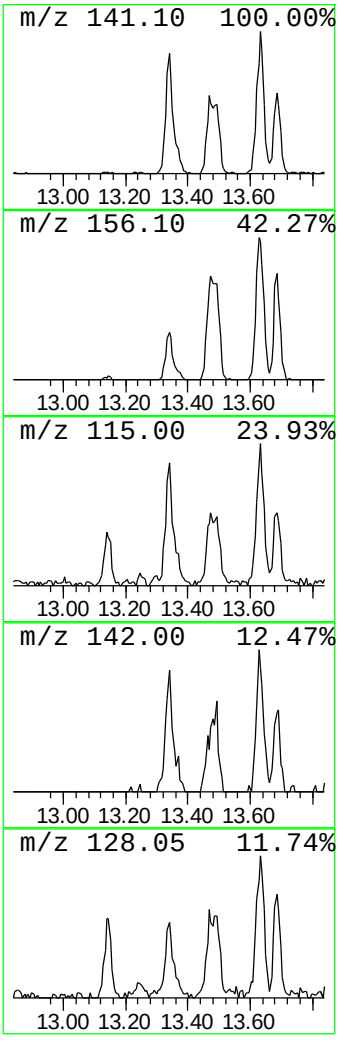
Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.67 ng/ul	388499	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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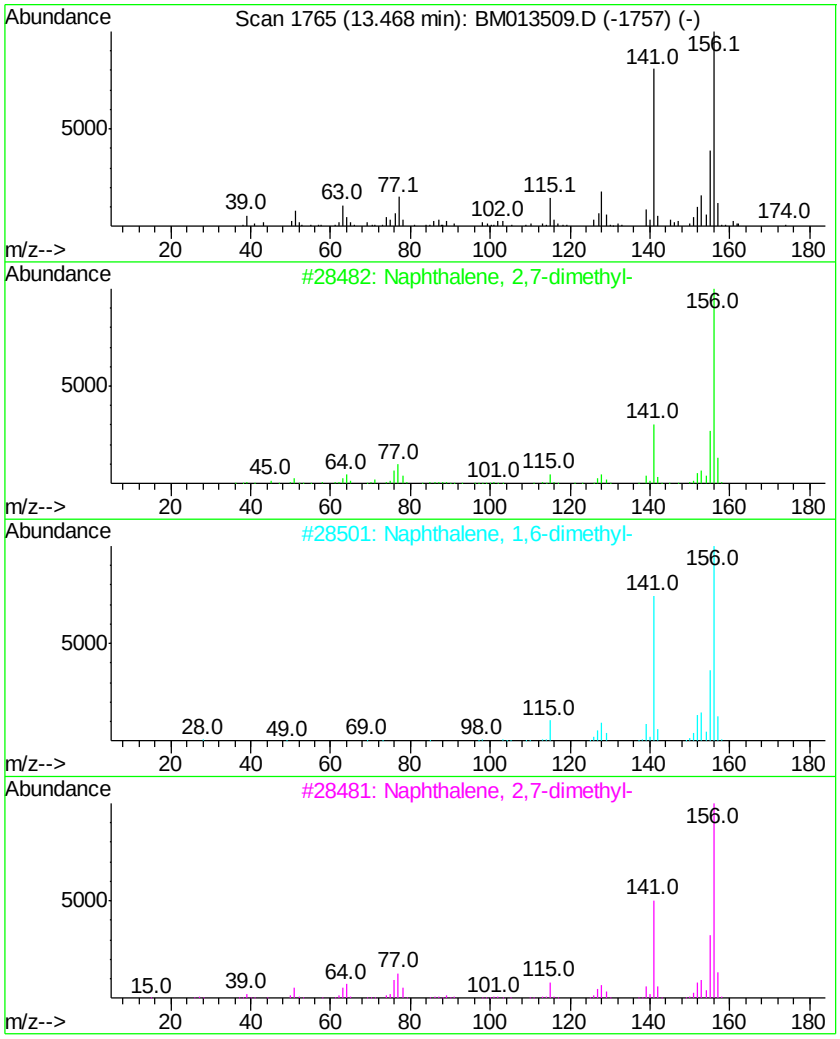
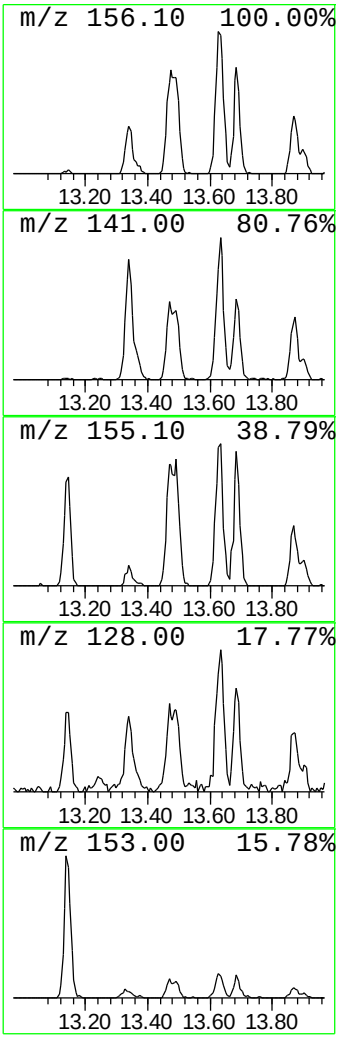
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	4.35 ng/ul	460717	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Library Search Compound Report

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Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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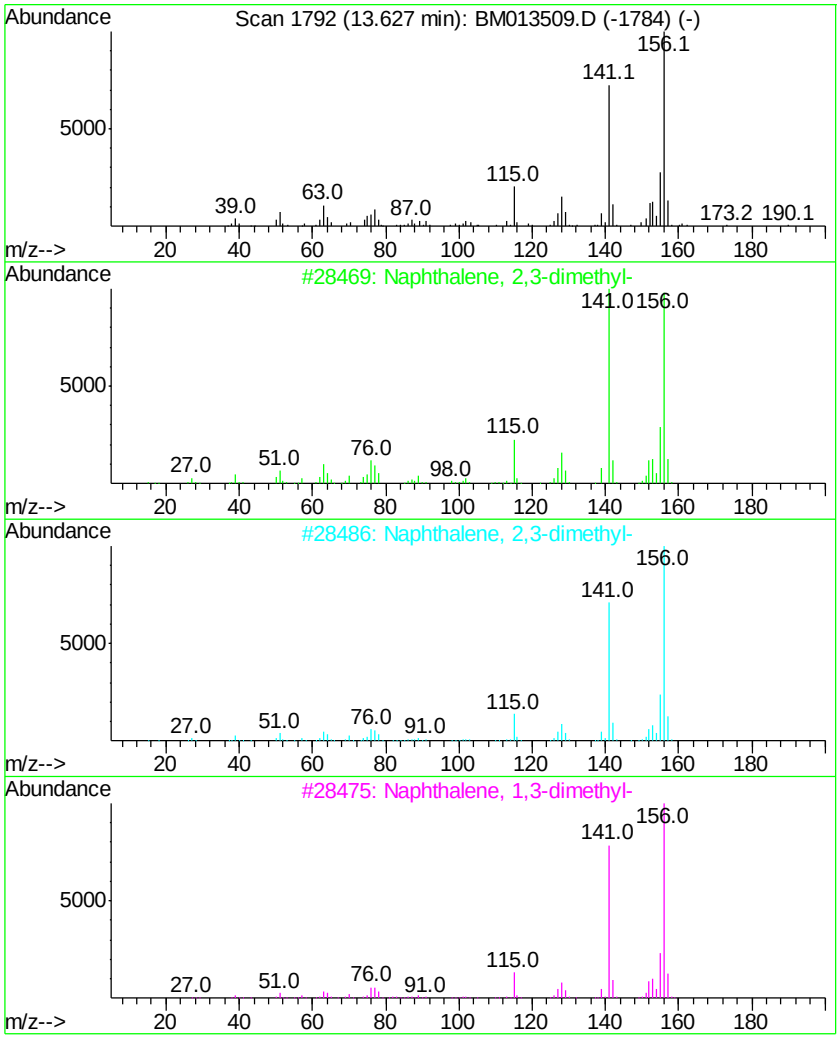
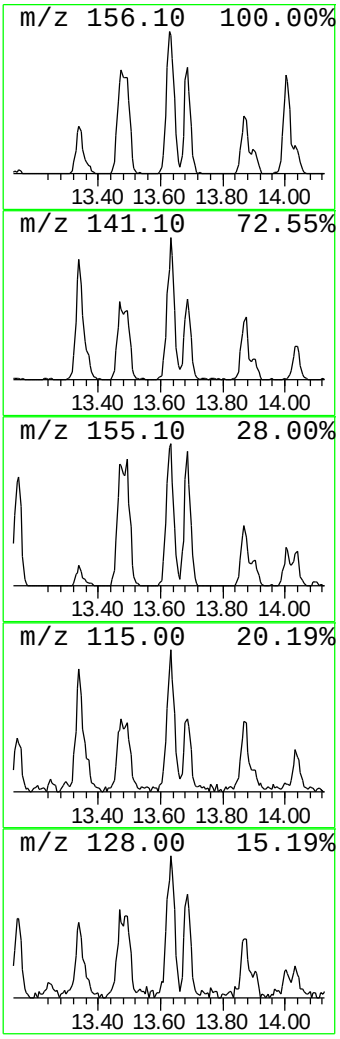
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	6.38 ng/ul	674892	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

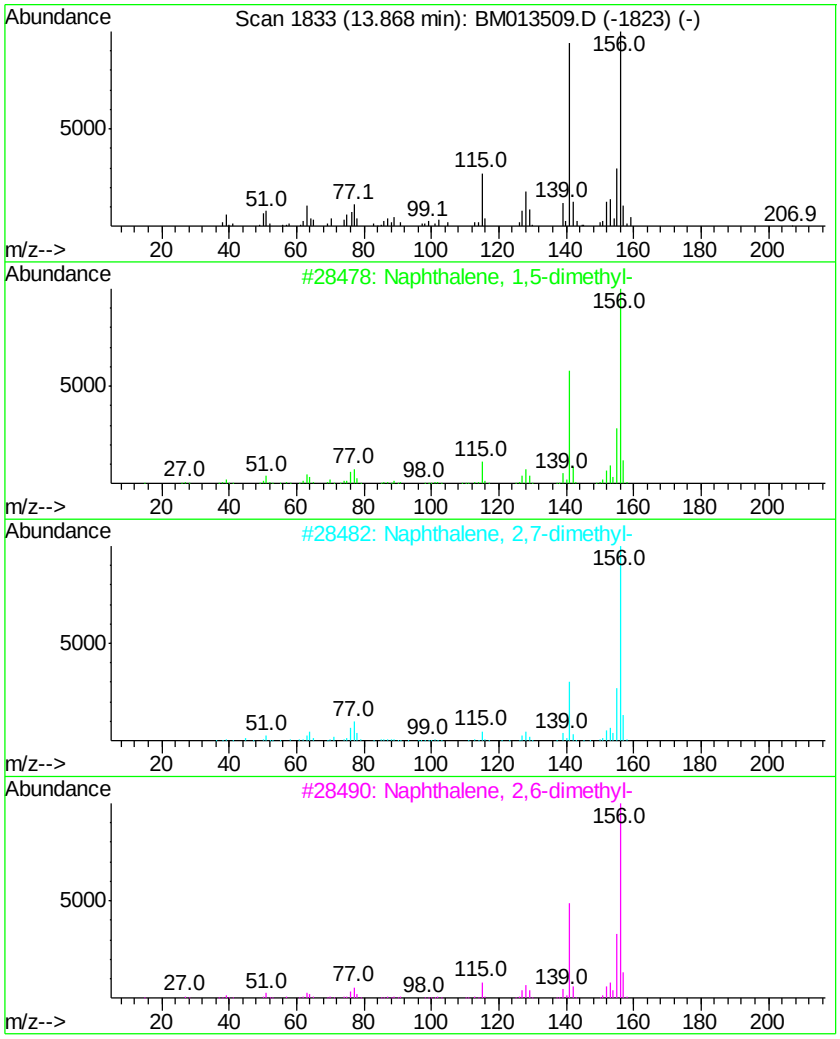
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

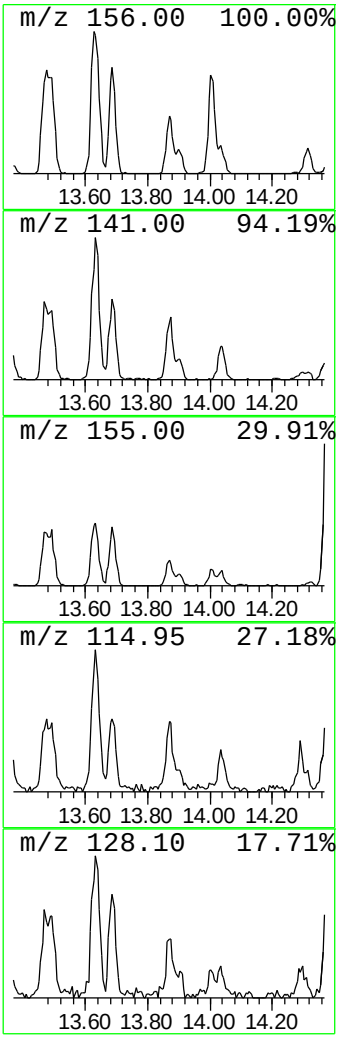
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.78 ng/ul	294140	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

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Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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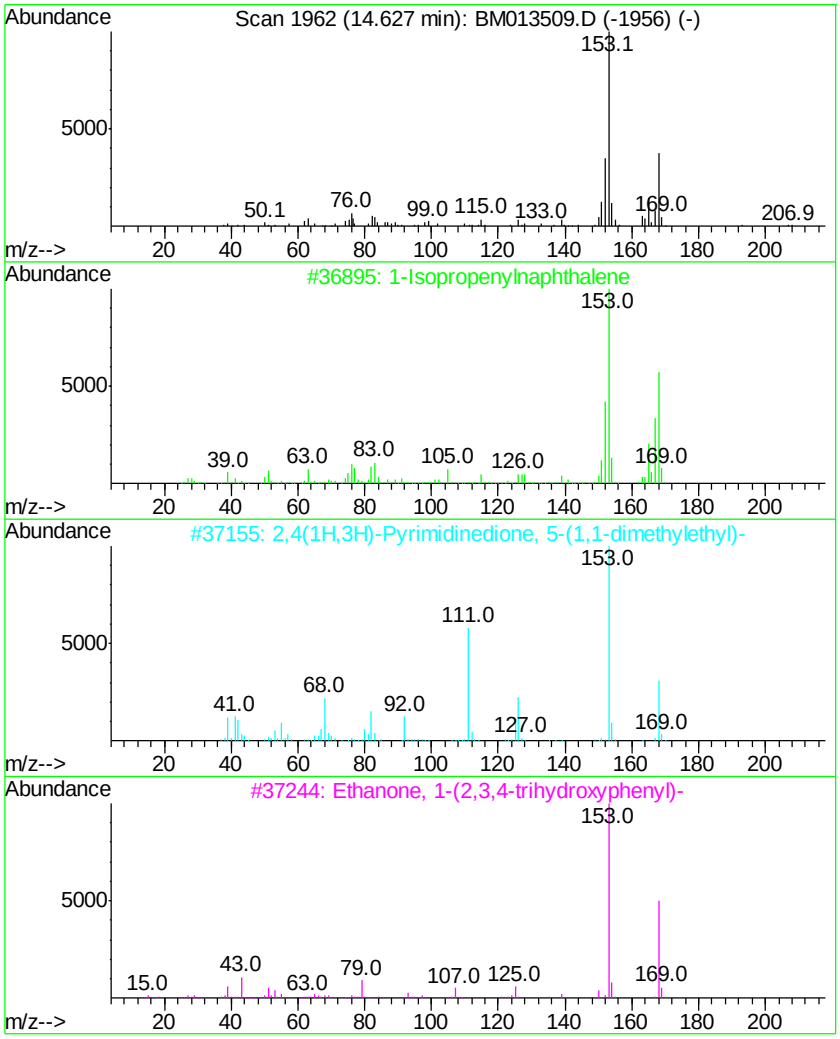
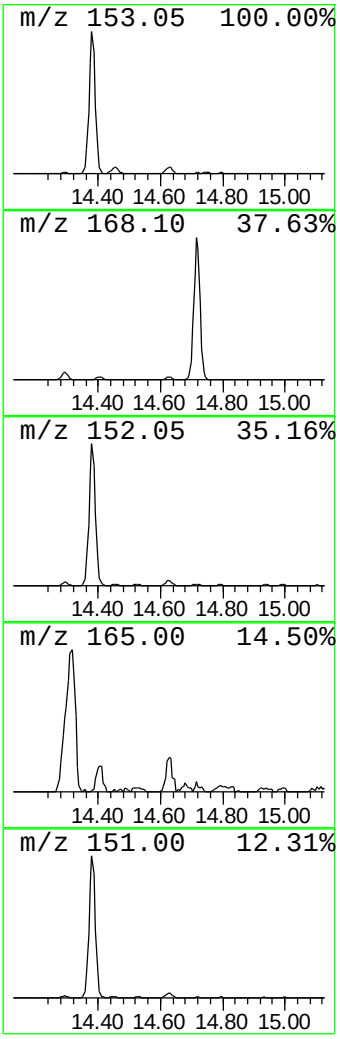
Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	2.61 ng/ul	275949	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
2	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	50
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	47





Library Search Compound Report

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Operator : SJ/JU
Sample : I6776-06ME
Misc :
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Instrument : BNA_M
ClientSampleId : F9A58ME

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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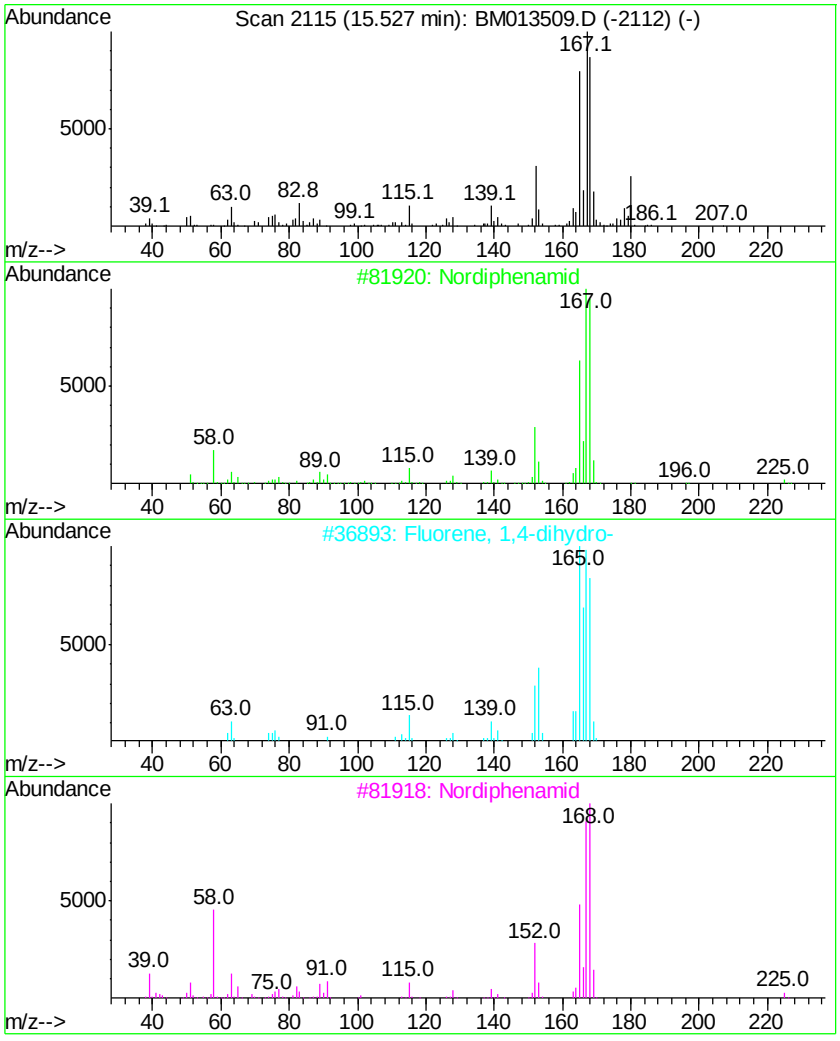
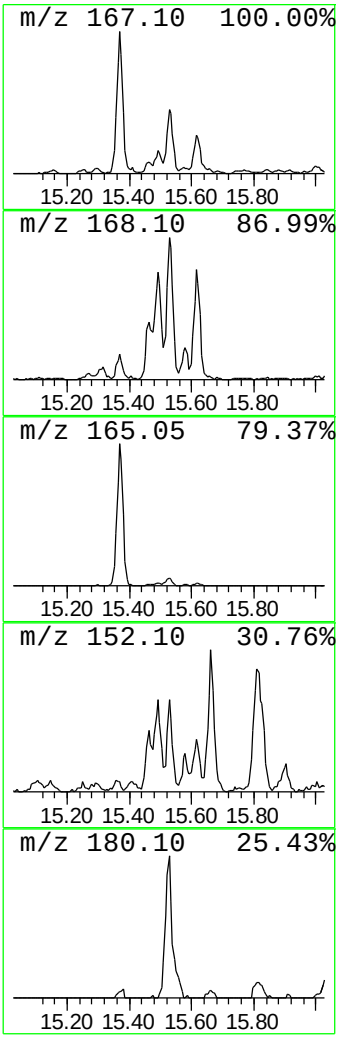
Peak Number 7 Nordiphenamid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	4.85 ng/ul	512966	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	60
3	Nordiphenamid	225	C15H15NO	000954-21-2	50
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5	Diphenylmethane	168	C13H12	000101-81-5	49





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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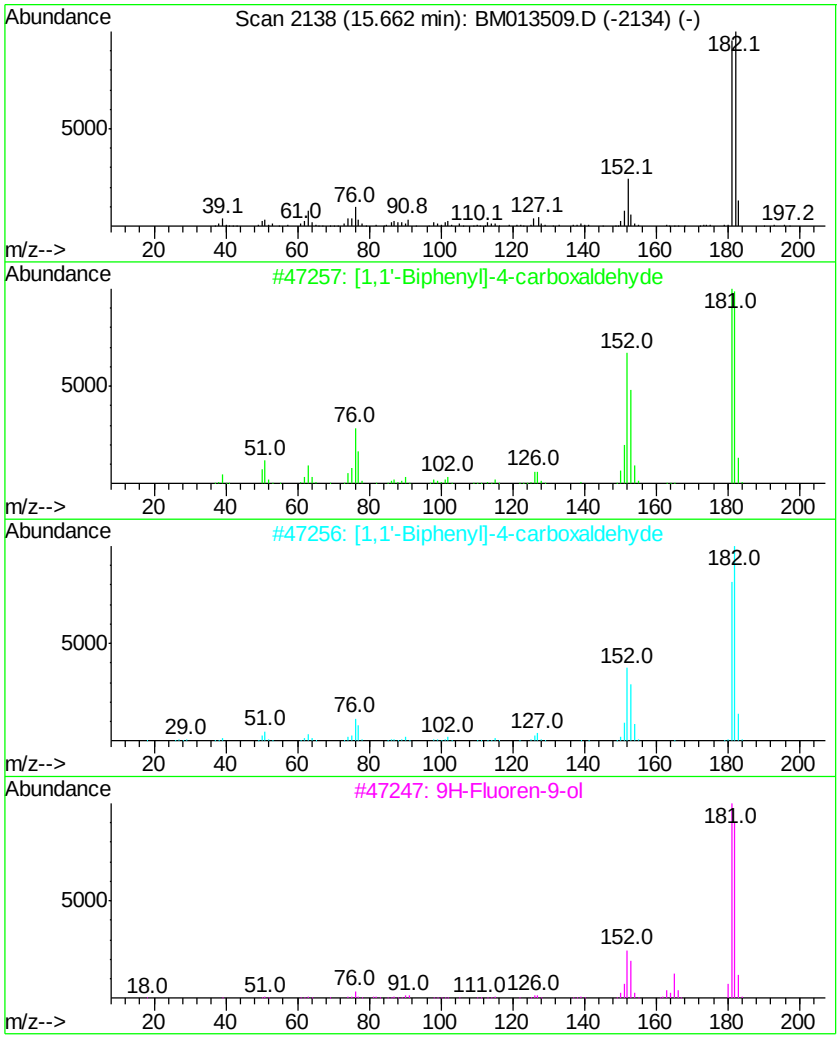
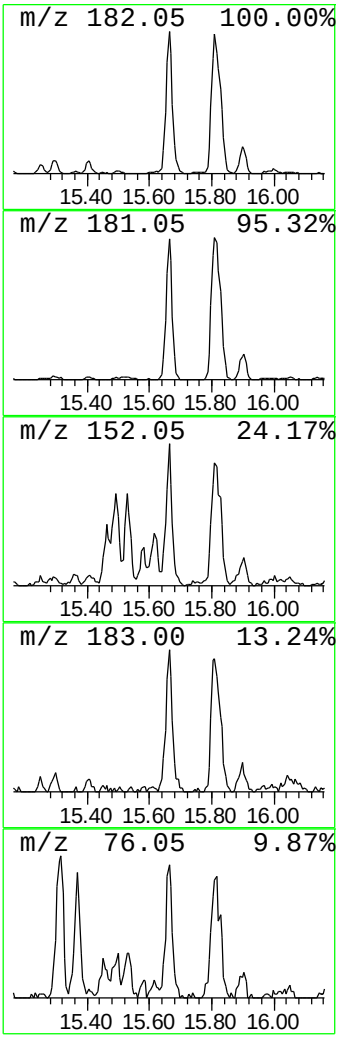
Peak Number 9 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	7.73 ng/ul	818388	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





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ClientSampleId : F9A58ME

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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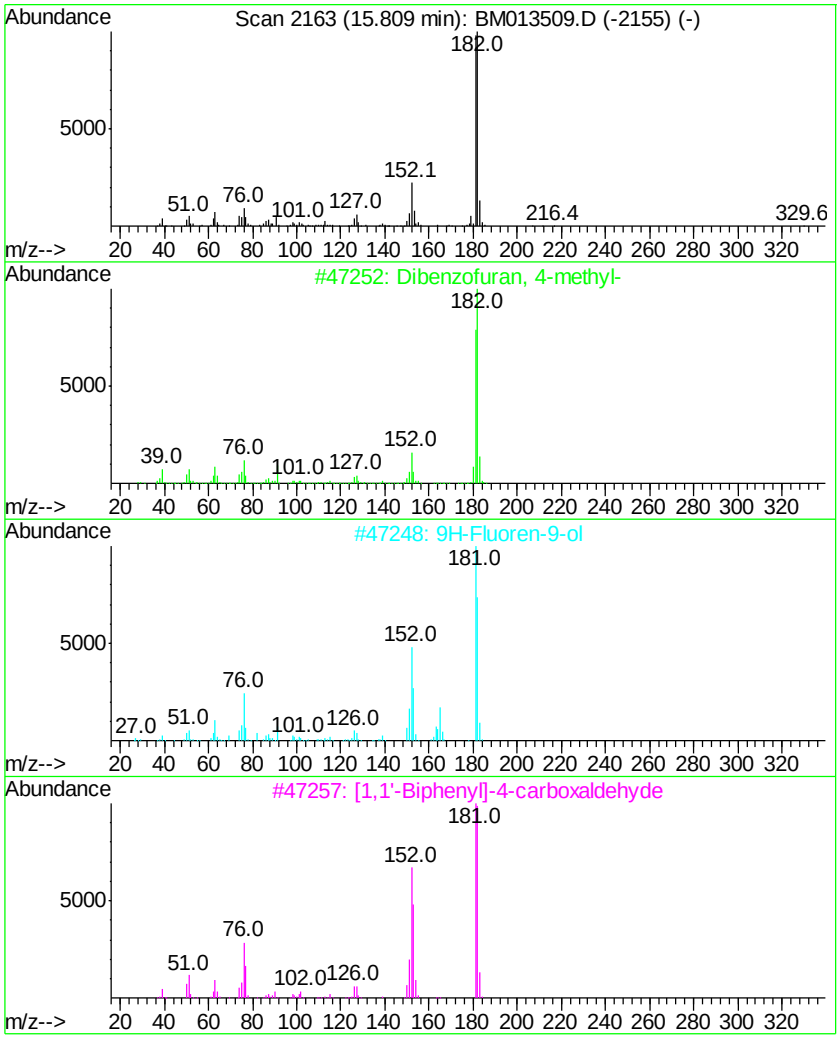
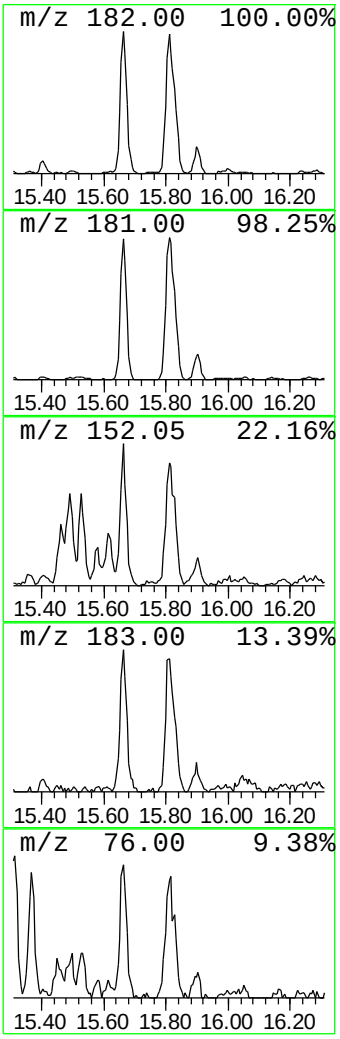
Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	8.41 ng/ul	1048410	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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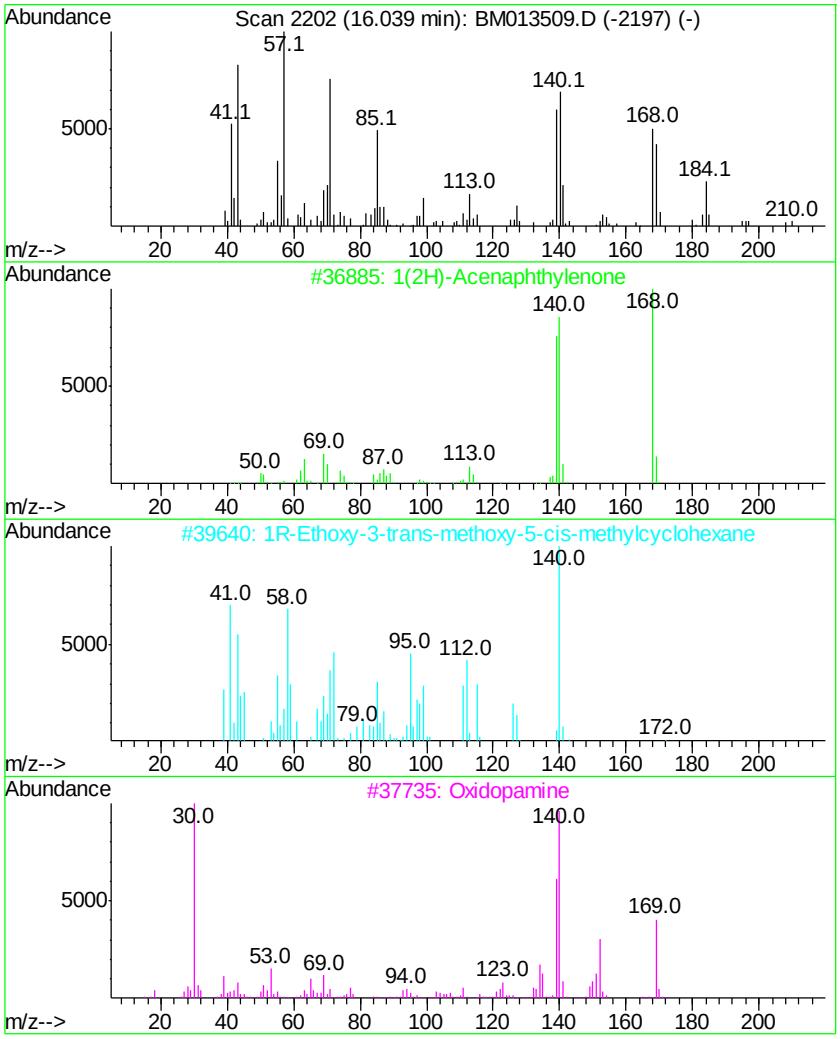
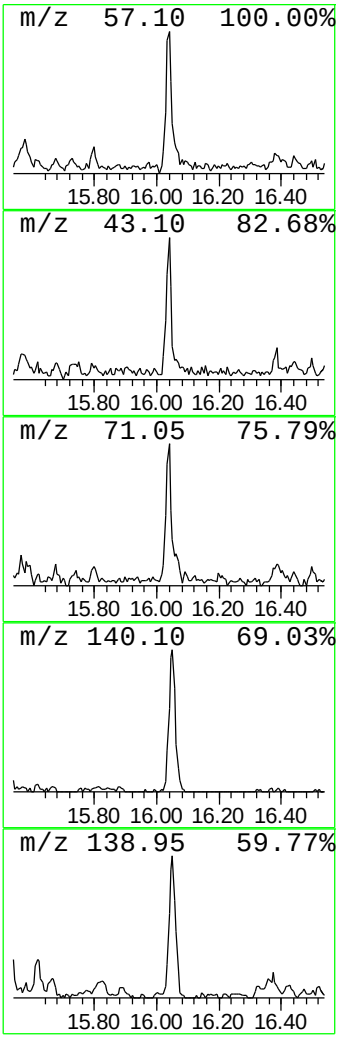
Peak Number 11 1(2H)-Acenaphthylenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.22 ng/ul	400942	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	89
2	1R-Ethoxy-3-trans-methoxy-5-cis-...	172	C10H20O2	059013-85-3	56
3	Oxidopamine	169	C8H11NO3	001199-18-4	47
4	5,6,7,8-Tetrahydro-thiazolo[5,4-...	168	C7H8N2OS	1000317-75-4	43
5	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	43





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A58ME

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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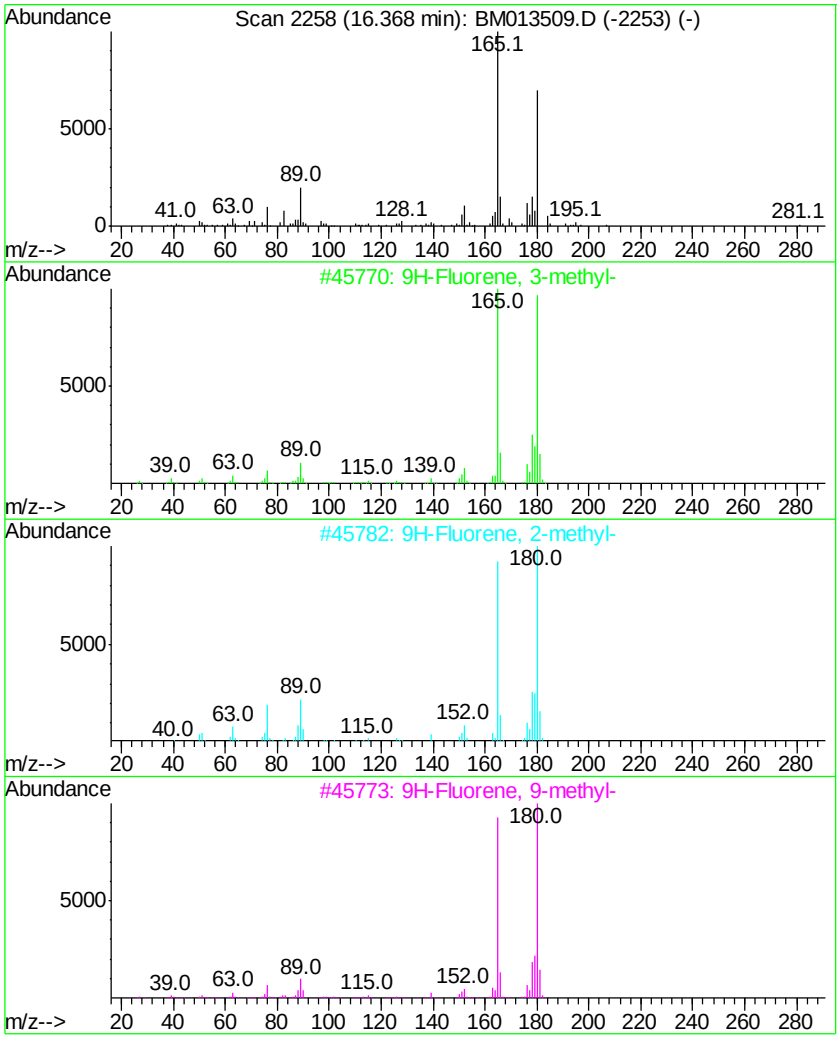
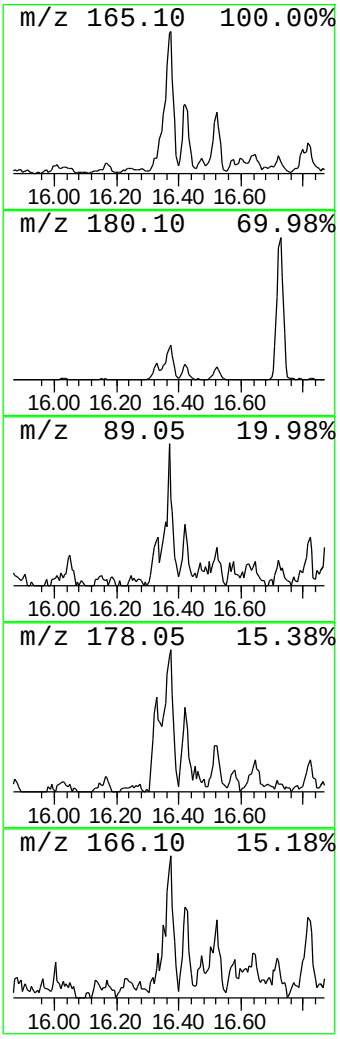
Peak Number 12 9H-Fluorene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	4.18 ng/ul	521039	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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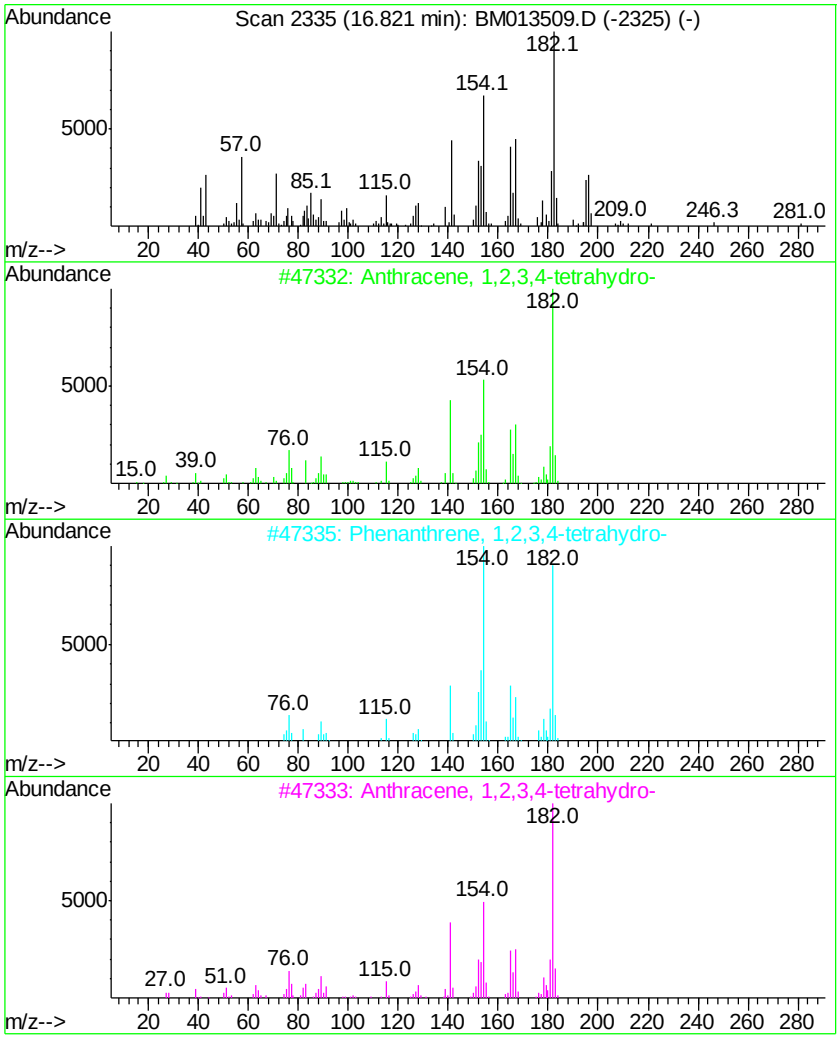
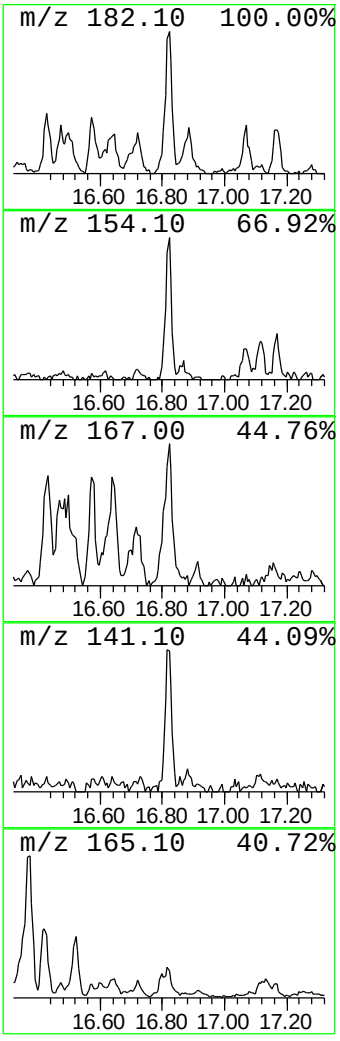
Peak Number 13 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	5.25 ng/ul	654029	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	58
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	55
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55





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Sample : I6776-06ME
Misc :
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Instrument : BNA_M
ClientSampleId : F9A58ME

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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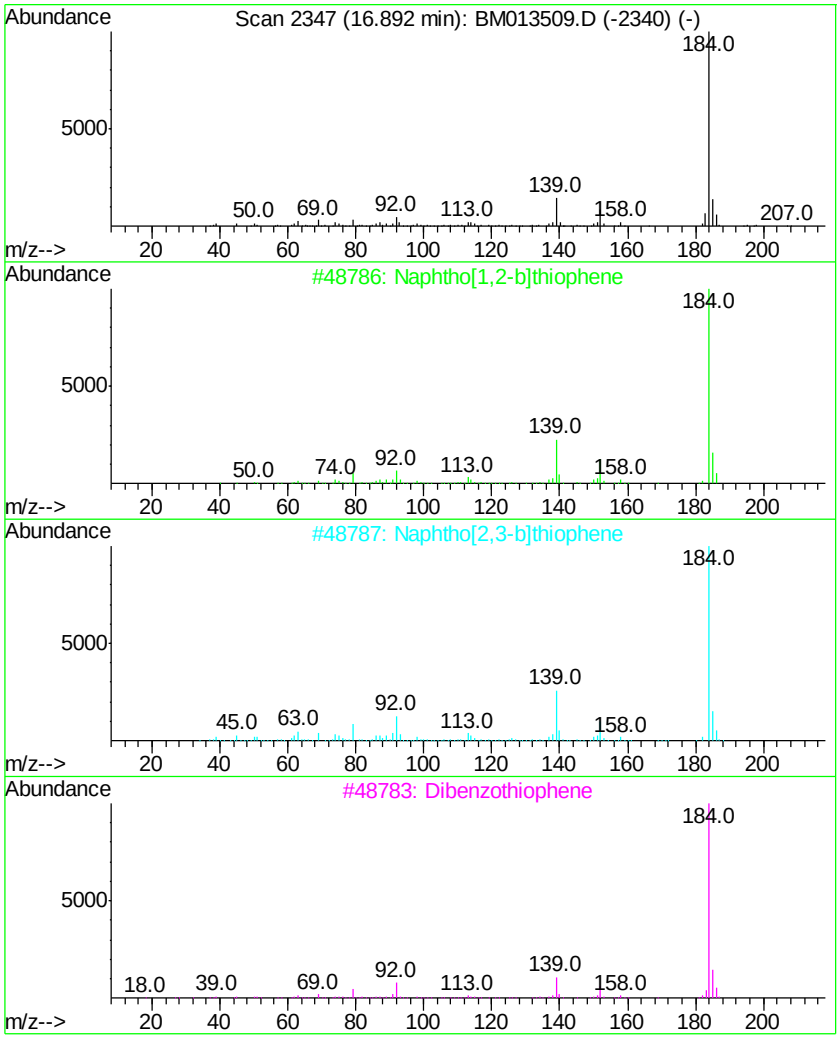
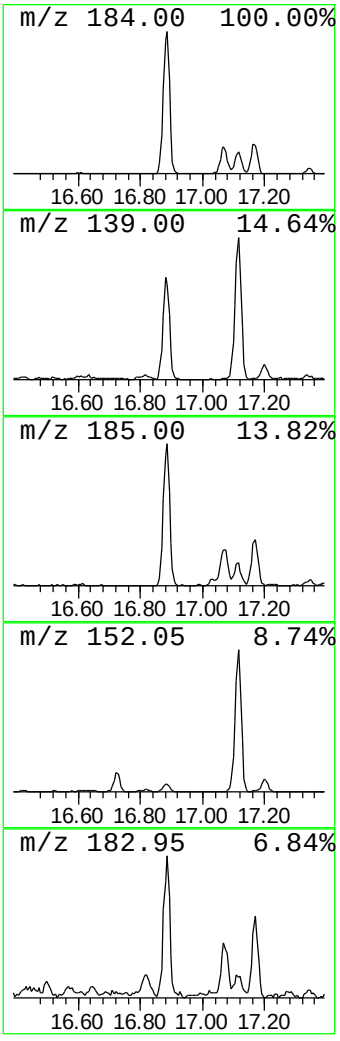
Peak Number 14 Naphtho[1,2-b]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	12.41 ng/ul	1546890	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





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Instrument : BNA_M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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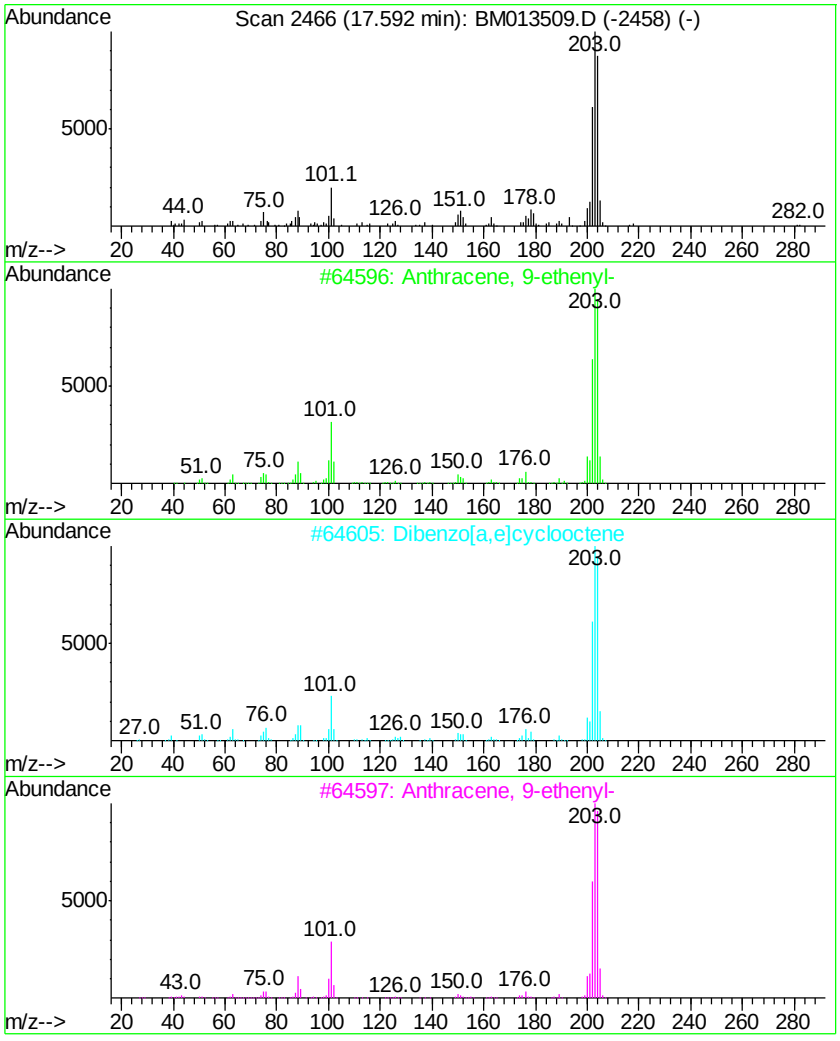
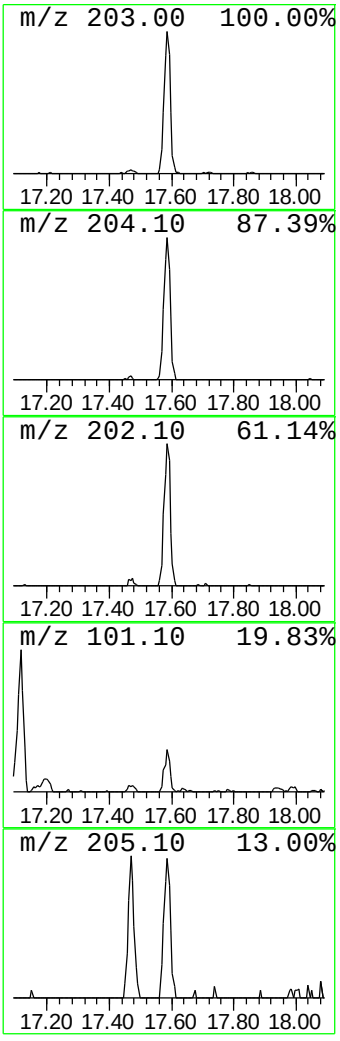
Peak Number 15 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	3.08 ng/ul	384257	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	90
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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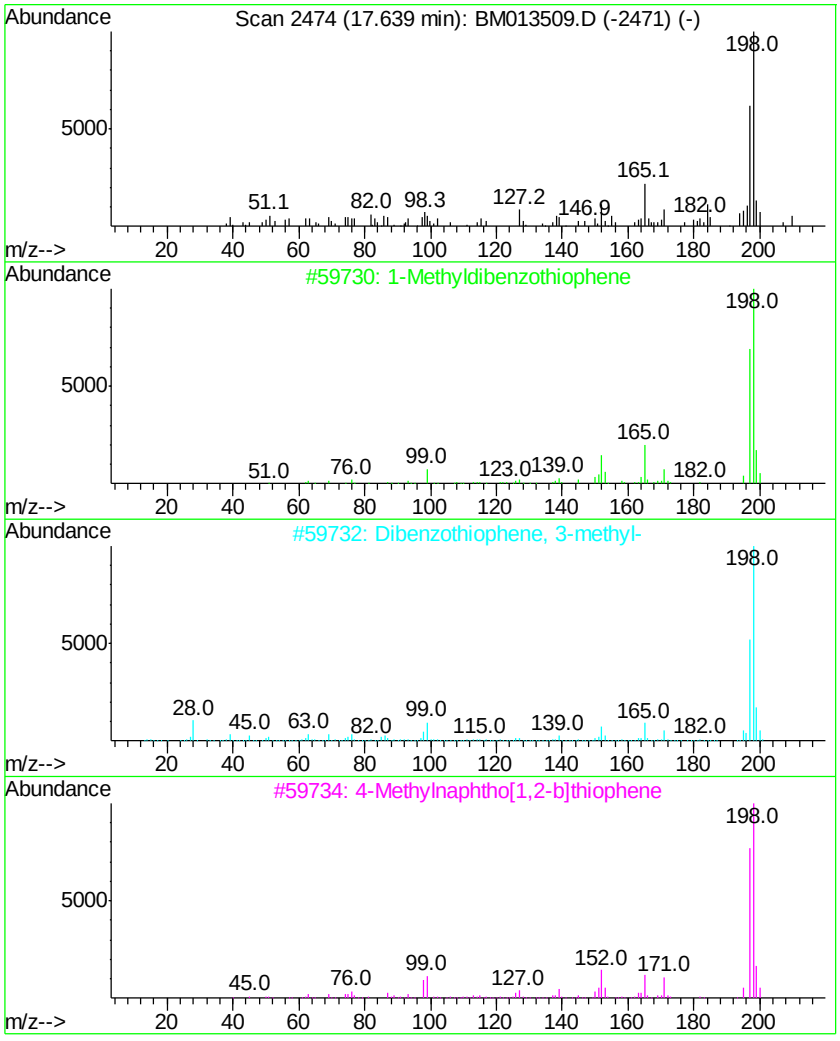
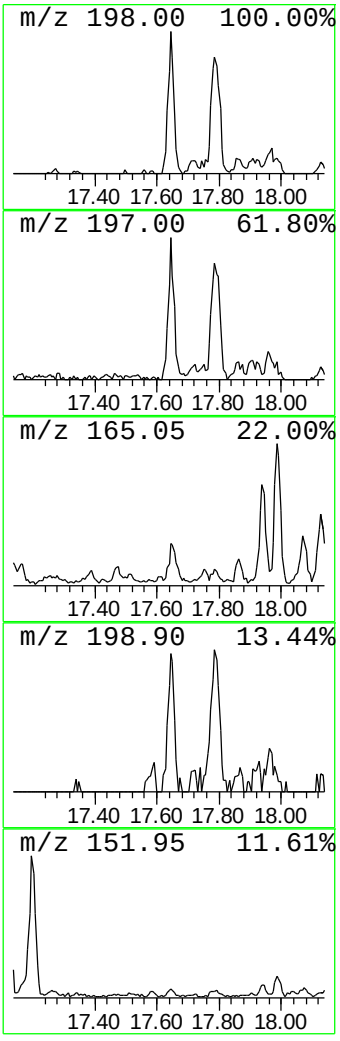
Peak Number 16 1-Methyldibenzothiophene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	2.34 ng/ul	291316	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	76
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	64
4	1H-Pyrazole-3,5-dicarboxylic aci...	240	C10H12N2O5	1000350-61-9	59
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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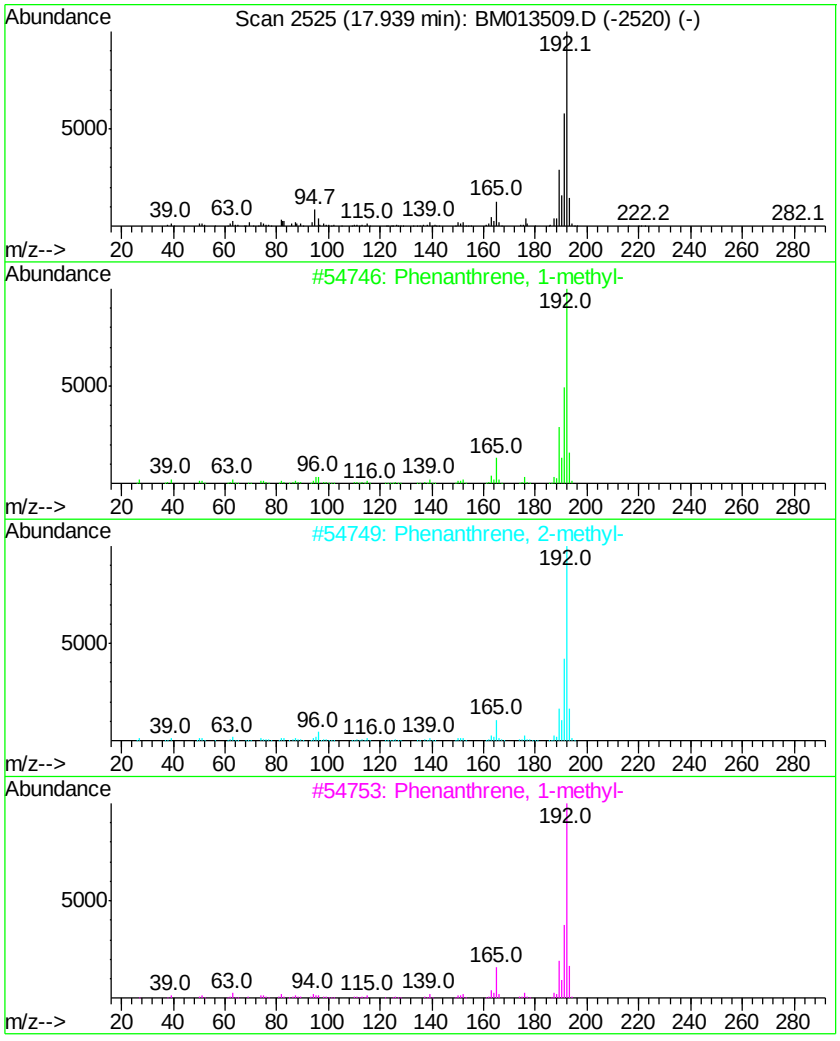
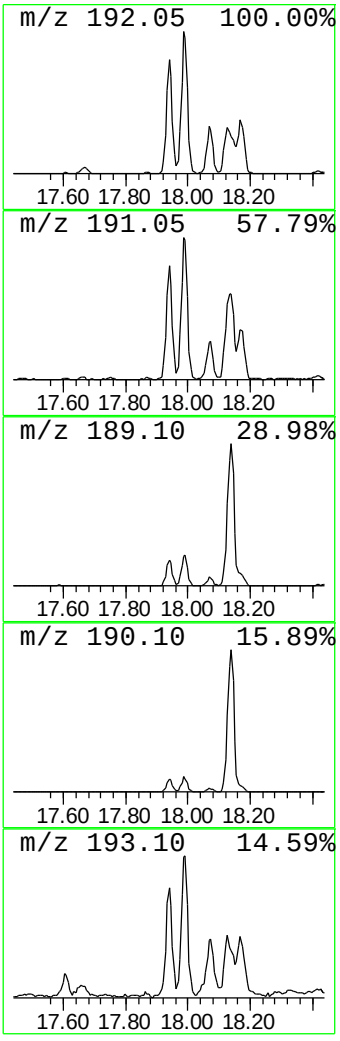
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	7.92 ng/ul	986830	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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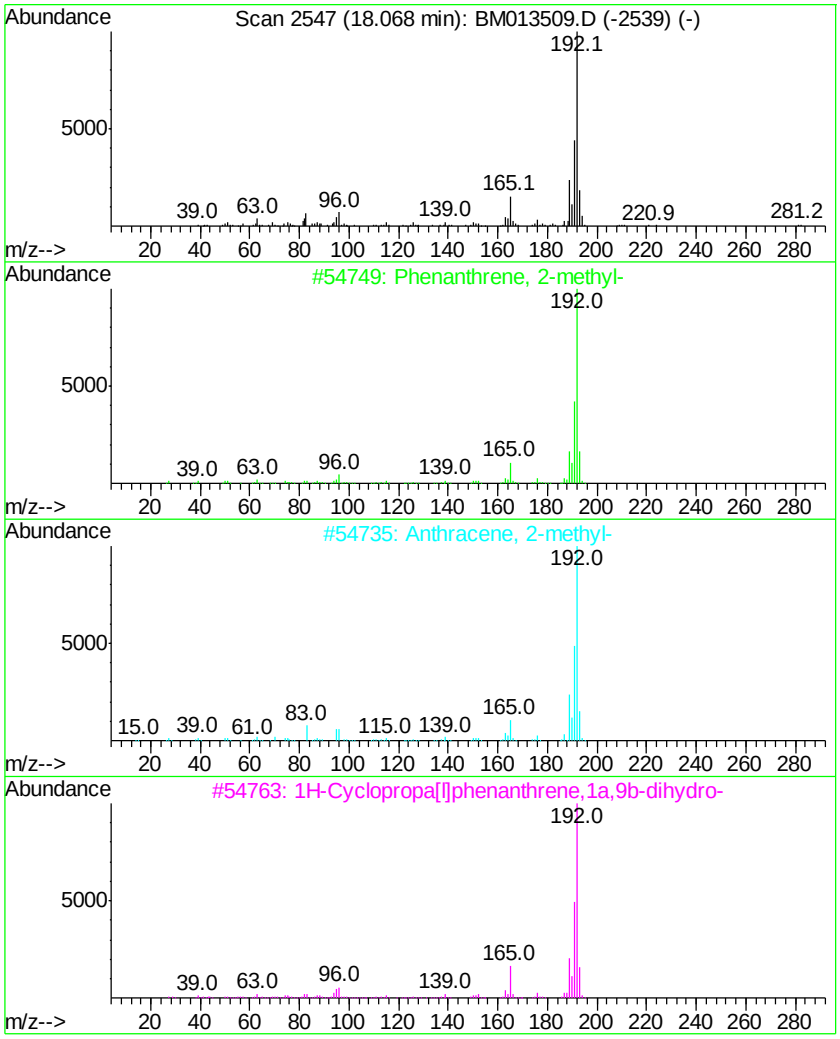
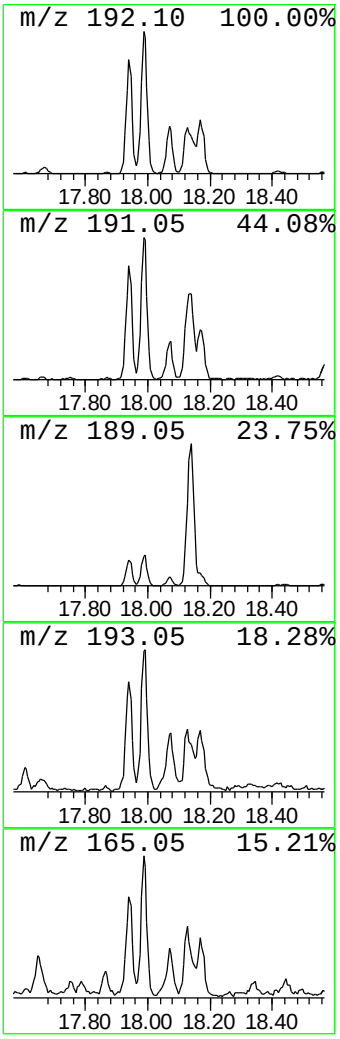
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	3.91 ng/ul	487899	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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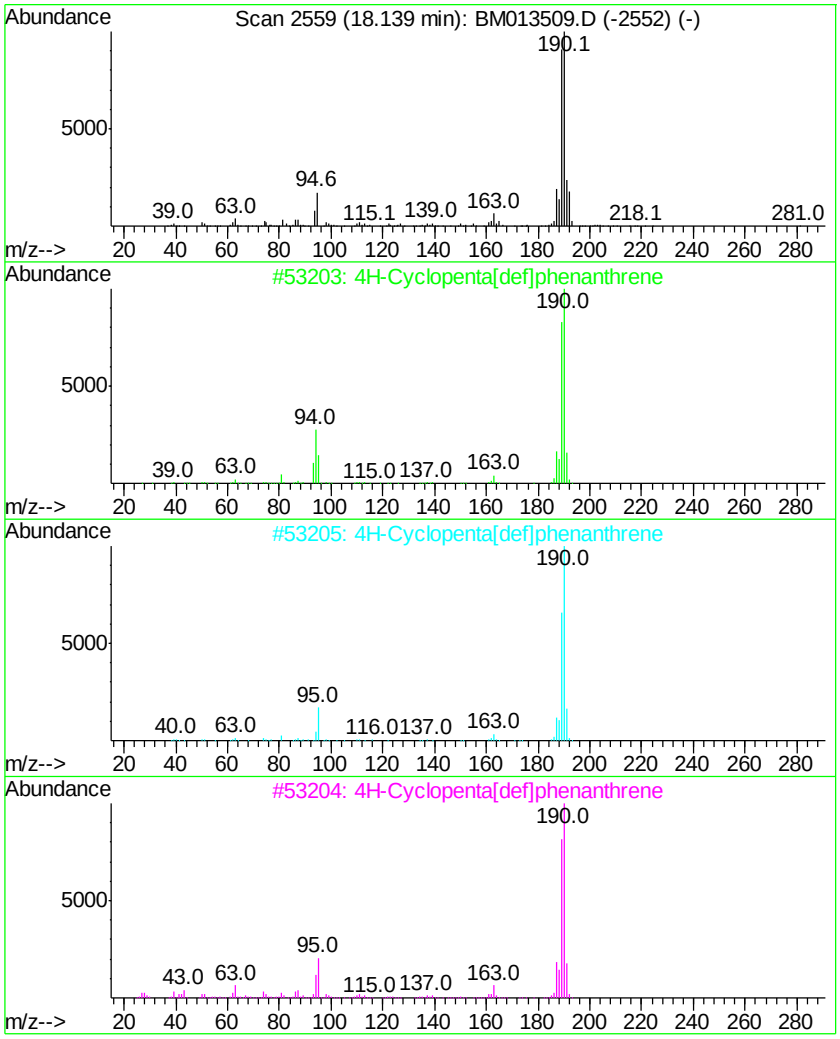
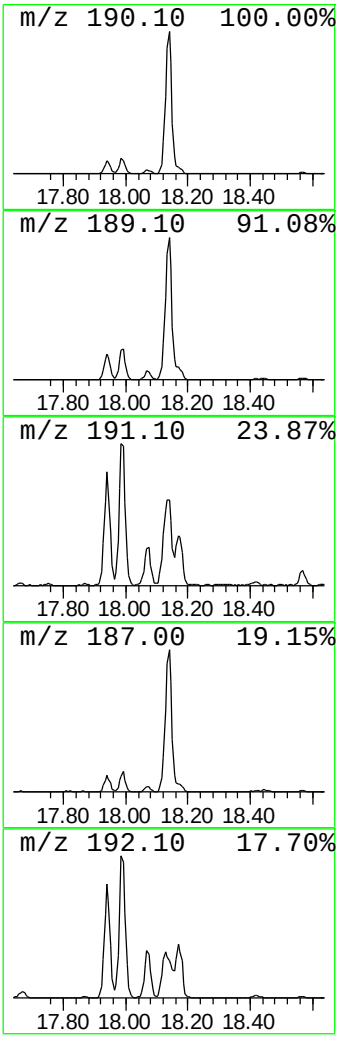
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	19.84 ng/ul	2472990	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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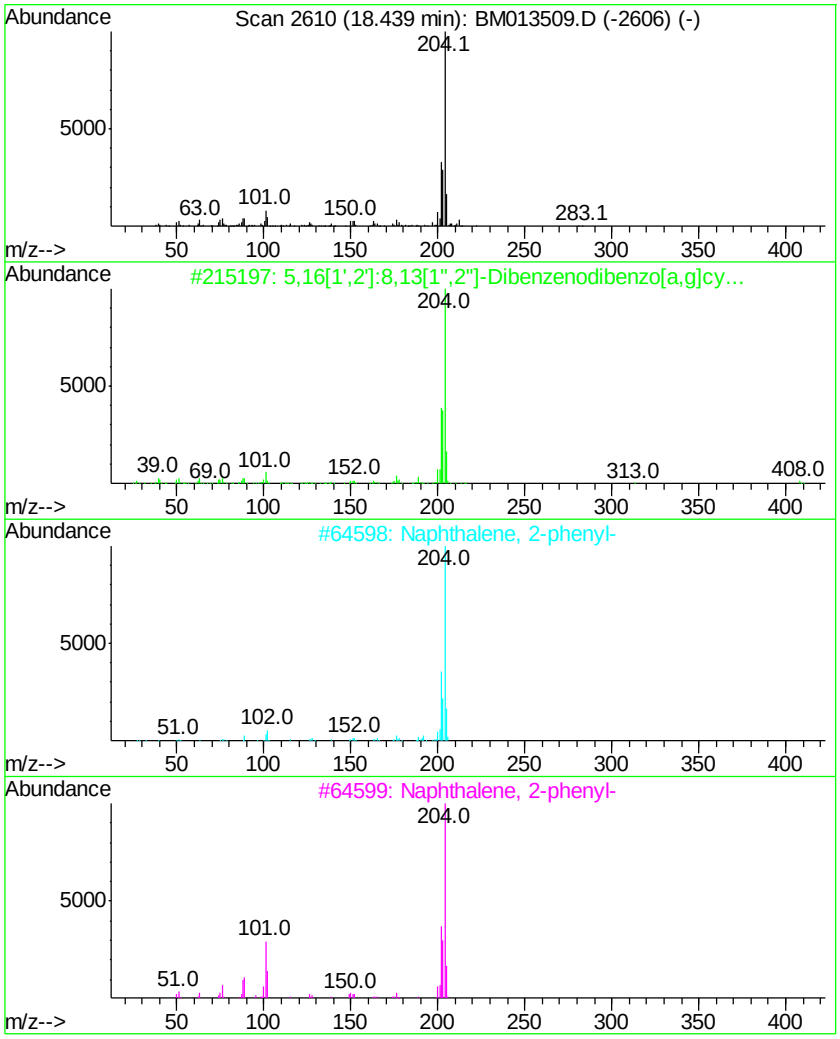
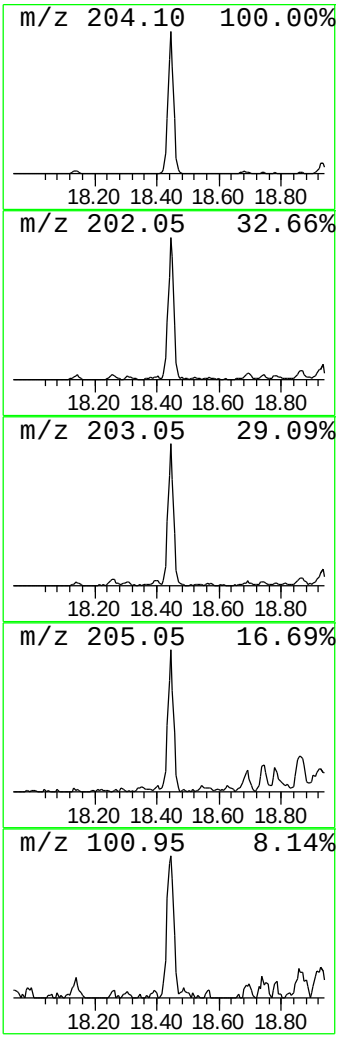
Peak Number 22 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	6.91 ng/ul	860786	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81





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Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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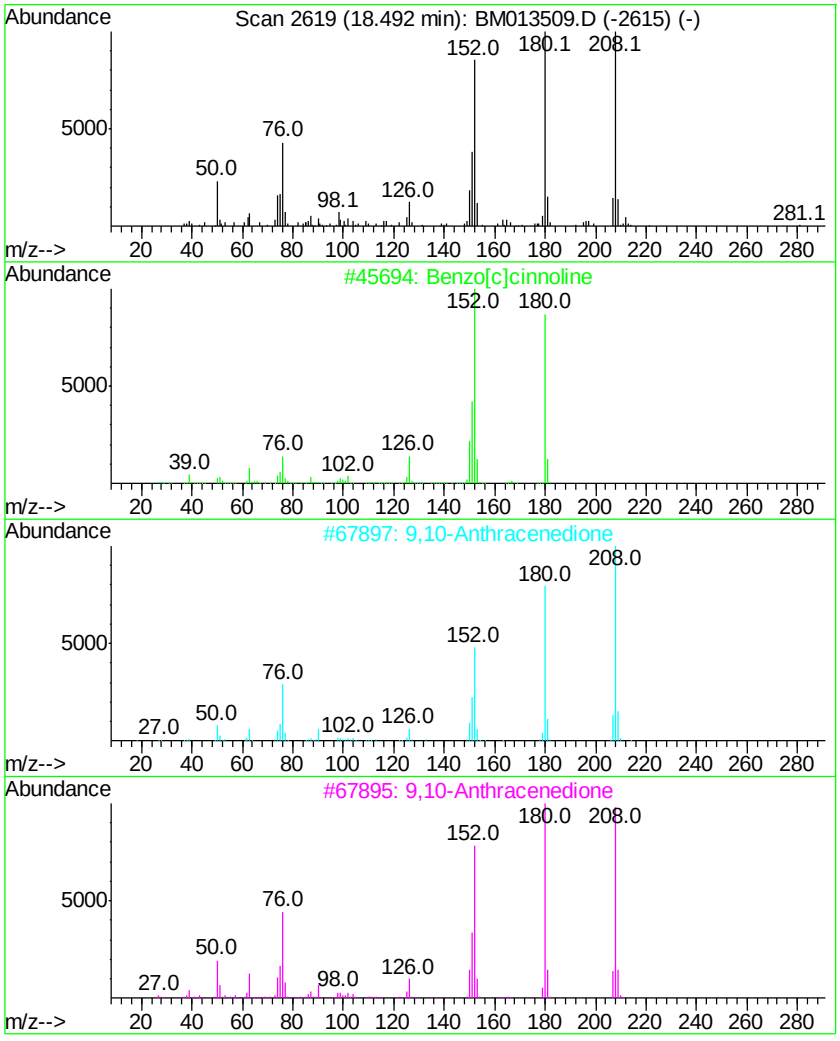
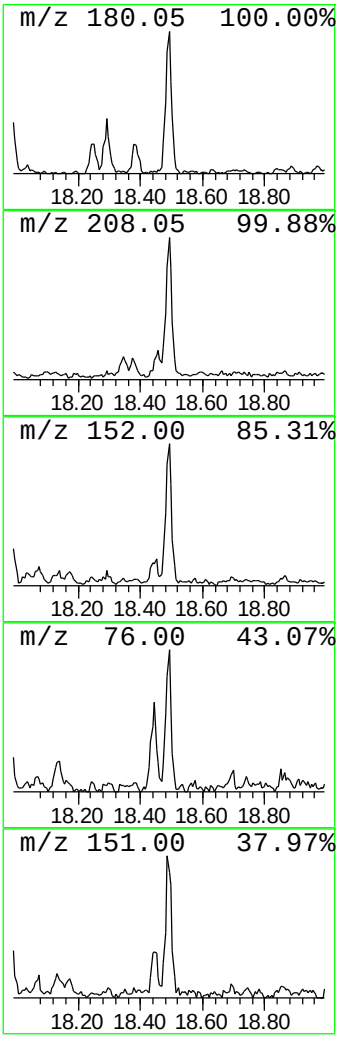
Peak Number 23 Benzo[c]cinnoline Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.97 ng/ul	370477	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





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Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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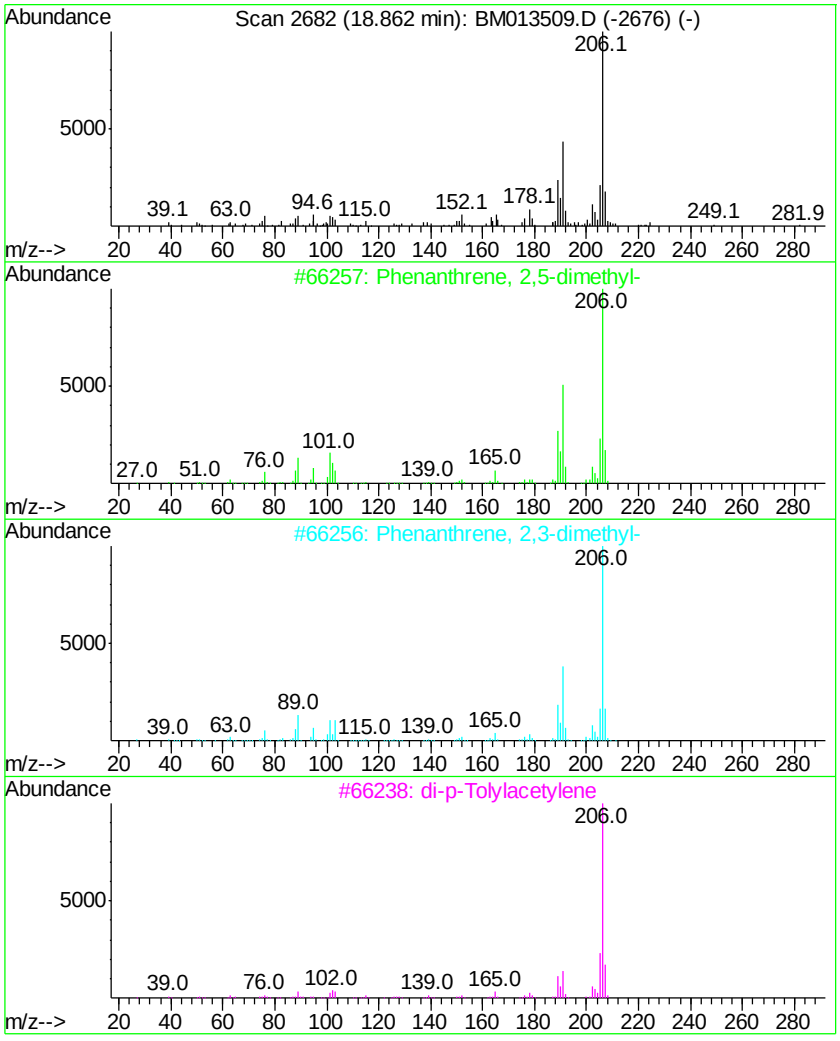
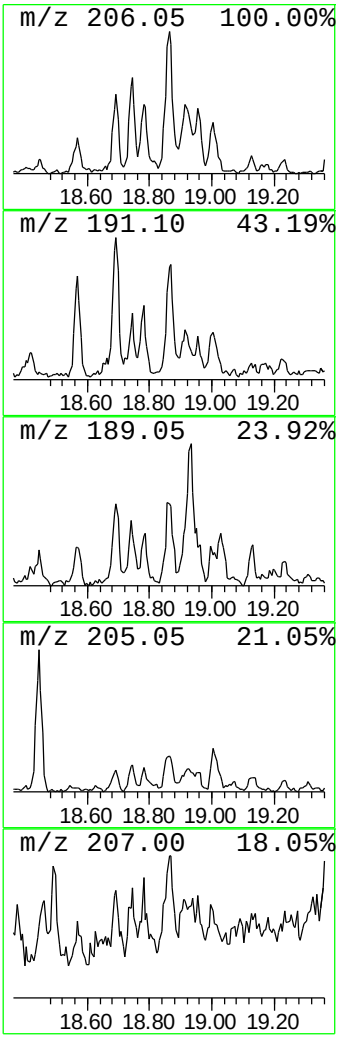
Peak Number 24 Phenanthrene, 2,5-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.17 ng/ul	270946	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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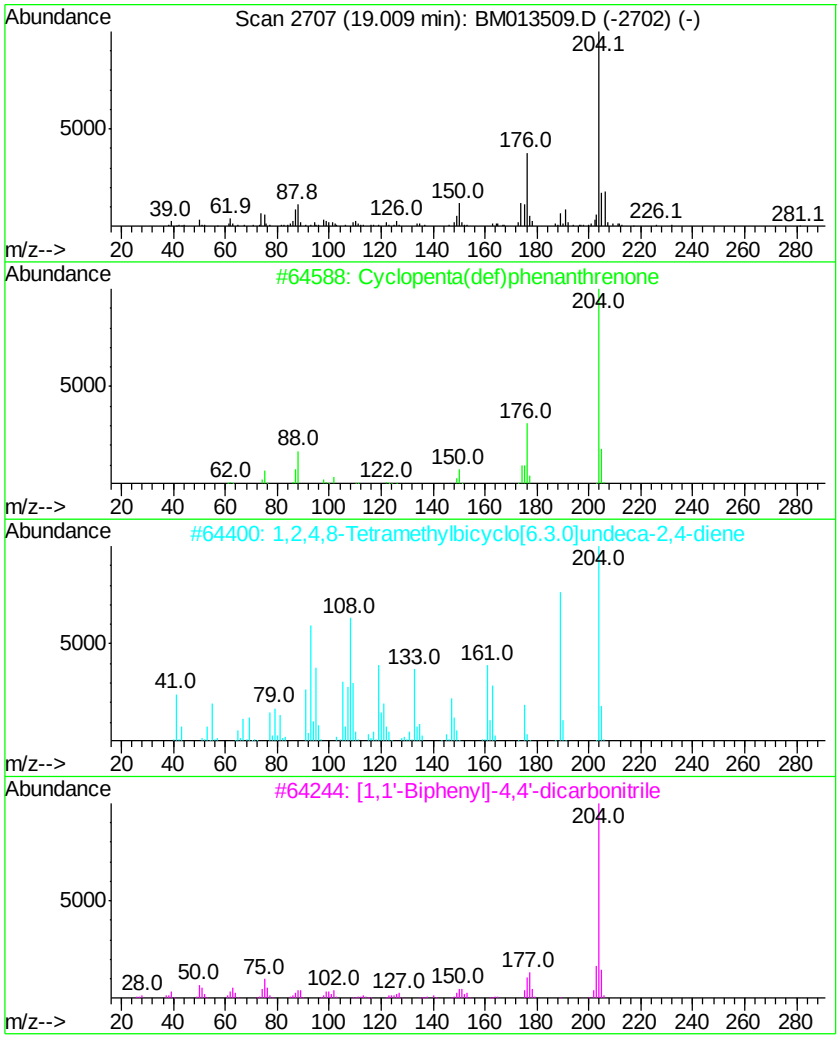
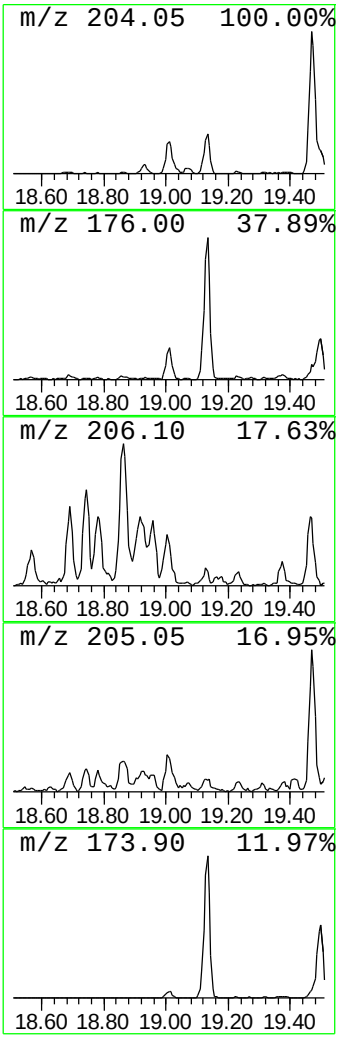
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	2.86 ng/ul	356722	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





Library Search Compound Report

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Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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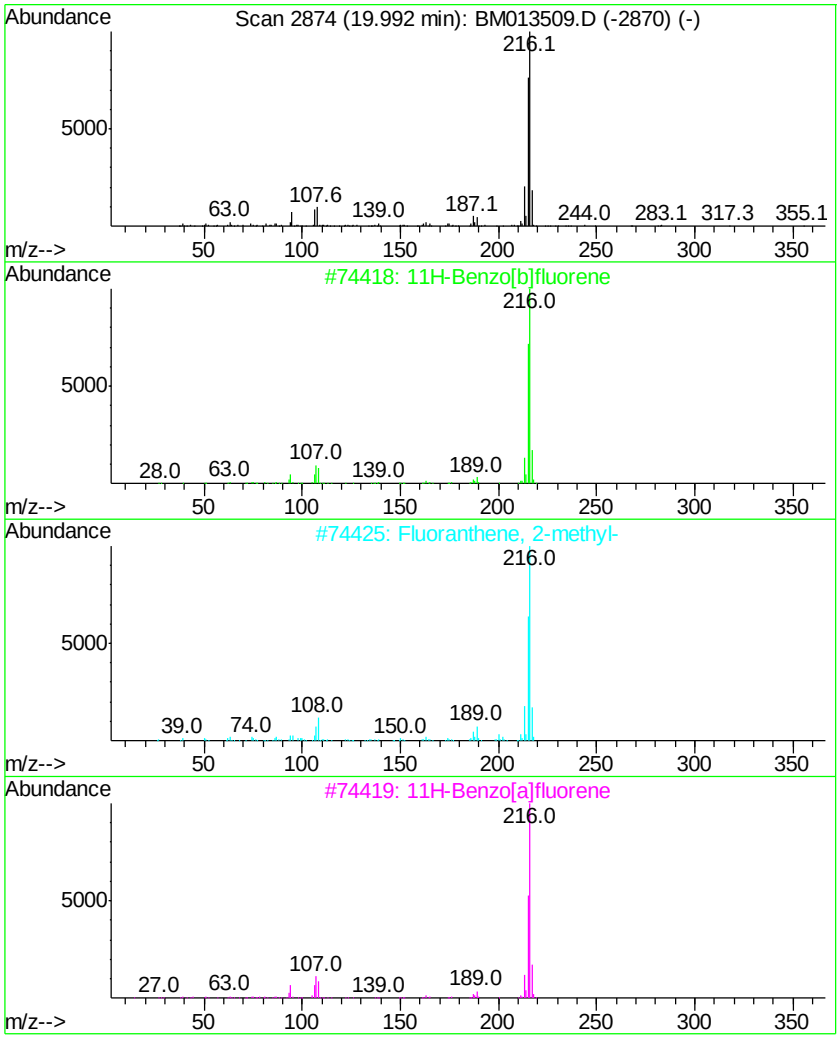
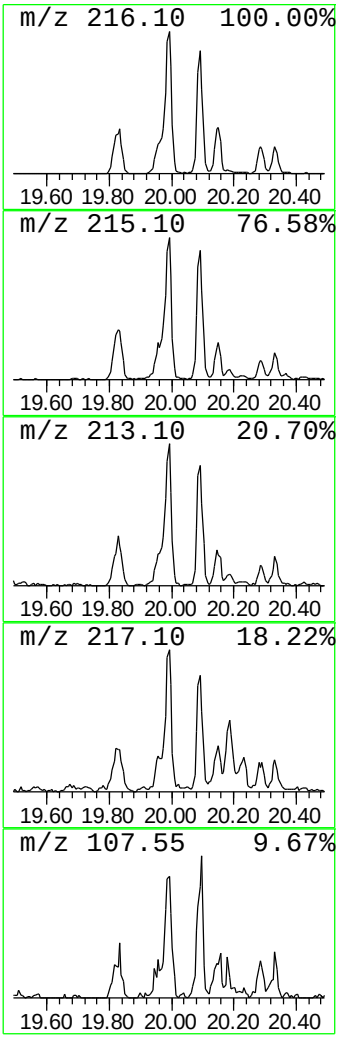
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.80 ng/ul	931413	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Library Search Compound Report

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Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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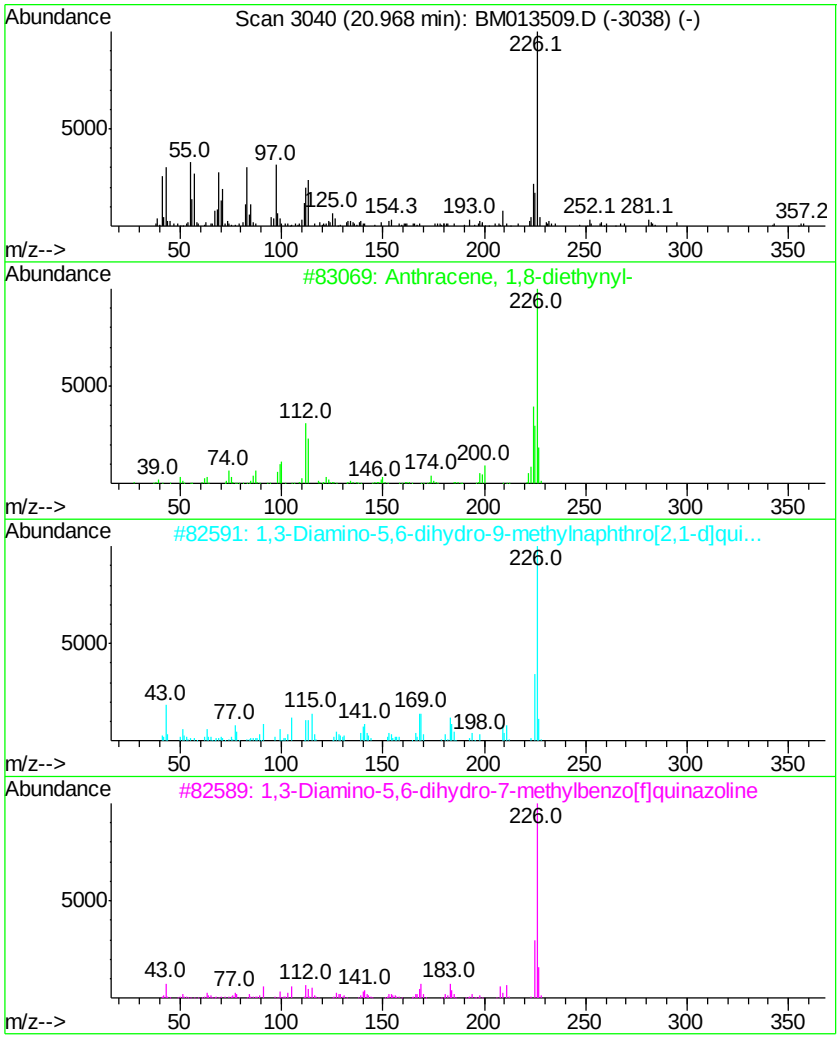
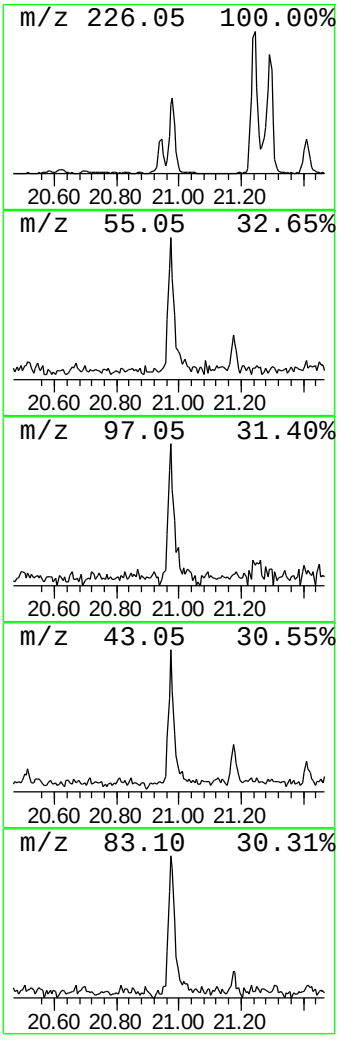
Peak Number 28 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.65 ng/ul	651018	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	47
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	37





Tentatively Identified Compound (LSC) summary

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Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.34	15.2	ng/ul	992462	2	10.45	1303120	20.0
Naphthalene, 1-et...	13.34	3.7	ng/ul	388499	3	14.32	2117080	20.0
Naphthalene, 2,7-...	13.47	4.3	ng/ul	460717	3	14.32	2117080	20.0
Naphthalene, 2,3-...	13.63	6.4	ng/ul	674892	3	14.32	2117080	20.0
Naphthalene, 1,5-...	13.87	2.8	ng/ul	294140	3	14.32	2117080	20.0
1-Isopropenylnaph...	14.63	2.6	ng/ul	275949	3	14.32	2117080	20.0
Nordiphenamid	15.53	4.8	ng/ul	512966	3	14.32	2117080	20.0
[1,1'-Biphenyl]-4...	15.66	7.7	ng/ul	818388	3	14.32	2117080	20.0
Dibenzofuran, 4-m...	15.81	8.4	ng/ul	1048410	4	17.07	2492830	20.0
1(2H)-Acenaphthyl...	16.04	3.2	ng/ul	400942	4	17.07	2492830	20.0
9H-Fluorene, 3-me...	16.37	4.2	ng/ul	521039	4	17.07	2492830	20.0
Anthracene, 1,2,3...	16.82	5.3	ng/ul	654029	4	17.07	2492830	20.0
Naphtho[1,2-b]thi...	16.89	12.4	ng/ul	1546890	4	17.07	2492830	20.0
Anthracene, 9-eth...	17.59	3.1	ng/ul	384257	4	17.07	2492830	20.0
1-Methyldibenzoth...	17.64	2.3	ng/ul	291316	4	17.07	2492830	20.0
Phenanthrene, 1-m...	17.94	7.9	ng/ul	986830	4	17.07	2492830	20.0
Phenanthrene, 2-m...	18.07	3.9	ng/ul	487899	4	17.07	2492830	20.0
4H-Cyclopenta[def...	18.14	19.8	ng/ul	2472990	4	17.07	2492830	20.0
5,16[1',2']:8,13[...	18.44	6.9	ng/ul	860786	4	17.07	2492830	20.0
Benzo[c]cinnoline	18.49	3.0	ng/ul	370477	4	17.07	2492830	20.0
Phenanthrene, 2,5...	18.86	2.2	ng/ul	270946	4	17.07	2492830	20.0
Cyclopenta(def)ph...	19.01	2.9	ng/ul	356722	4	17.07	2492830	20.0
11H-Benzo[b]fluorene	19.99	3.8	ng/ul	931413	5	21.26	4908170	20.0
unknown-01	20.97	2.6	ng/ul	651018	5	21.26	4908170	20.0