LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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	7.669	773	779	790	rBV	660755	1071218	12.30%	1.606%
2	8.034	836	841	847	rBV	87282	140323	1.61%	0.210%
3	8.198	864	869	881	rVB	106089	199099	2.29%	0.299%
4	9.851	1142	1150	1161	rBV6	48503	138596	1.59%	0.208%
5	10.451	1245	1252	1255	rBV	941027	1595436	18.32%	2.393%
6	10.504	1255	1261	1268	rVB	4204004	7082816	81.31%	10.622%
7	10.616	1274	1280	1292	rVB	162557	309829	3.56%	0.465%
8	12.116	1526	1535	1544	rBV	1490088	2341903	26.89%	3.512%
9	12.339	1563	1573	1581	rVB	779925	1268632	14.56%	1.903%
10	13.139	1702	1709	1722	rVB	403115	611308	7.02%	0.917%
11	13.339	1737	1743	1752	rVB	162384	315133	3.62%	0.473%
12	13.469	1759	1765	1766	rBV	254930	303044	3.48%	0.454%
13	13.627	1786	1792	1798	rBV	400024	726848	8.34%	1.090%
14	13.686	1798	1802	1807	rVV	239181	332048	3.81%	0.498%
15	13.869	1825	1833	1837	rBV	196080	324097	3.72%	0.486%
16	14.004	1851	1856	1858	rBV2	69641	106339	1.22%	0.159%
17	14.033	1858	1861	1873	rVB2	210956	327750	3.76%	0.492%
18	14.316	1898	1909	1914	rBV3	1425152	2438866	28.00%	3.657%
19	14.380	1914	1920	1928	rVV	1787501	2691640	30.90%	4.037%
20	14.451	1928	1932	1938	rVB	66412	108920	1.25%	0.163%
21	14.527	1938	1945	1953	rBV3	81373	196366	2.25%	0.294%
22	14.627	1953	1962	1966	rBV3	85570	178243	2.05%	0.267%
23	14.716	1966	1977	1985	rBV	1368620	2041964	23.44%	3.062%
24	14.792	1985	1990	1995	rBV	113085	163538	1.88%	0.245%
25	14.933	2007	2014	2019	rBV4	94795	178058	2.04%	0.267%
26	14.992	2019	2024	2028	rVB	97681	143149	1.64%	0.215%
27	15.110	2036	2044	2046	rBV2	88441	159165	1.83%	0.239%
28	15.310	2072	2078	2082	rVB3	106637	183966	2.11%	0.276%
29	15.369	2082	2088	2093	rBV	1976955	2836947	32.57%	4.254%
30	15.463	2099	2104	2106	rBV3	88424	140761	1.62%	0.211%
31	15.492	2106	2109	2112	rVV	147415	226764	2.60%	0.340%
32	15.527	2112	2115	2120	rVV3	274374	389437	4.47%	0.584%
33	15.580	2120	2124	2127	rVV3	94870	150840	1.73%	0.226%
34	15.616	2127	2130	2133	rVV2	133706	184460	2.12%	0.277%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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	15.663	2133	2138	2147	rVB	315659	497808	5.72%	0.747%
36	15.810	2154	2163	2171	rVV2	319884	696013	7.99%	1.044%
37	15.898	2171	2178	2184	rVB5	69292	159062	1.83%	0.239%
38	16.027	2194	2200	2210	rVB5	113002	270776	3.11%	0.406%
39	16.163	2216	2223	2229	rBV3	145183	251956	2.89%	0.378%
40	16.368	2247	2258	2263	rBV2	243243	562462	6.46%	0.844%
41	16.421	2263	2267	2273	rVB2	118888	168787	1.94%	0.253%
42	16.521	2278	2284	2289	rVB2	101815	167881	1.93%	0.252%
43	16.604	2294	2298	2300	rVV2	71113	98402	1.13%	0.148%
44	16.639	2300	2304	2308	rVB4	92363	131336	1.51%	0.197%
45	16.798	2324	2331	2333	rBV2	117163	196735	2.26%	0.295%
46	16.886	2341	2346	2356	rVB	467493	740705	8.50%	1.111%
47	17.068	2367	2377	2380	rBV	1689704	2671113	30.67%	4.006%
48	17.110	2380	2384	2390	rVV	6430745	8710438	100.00%	13.063%
49	17.168	2390	2394	2395	rVV2	135706	197592	2.27%	0.296%
50	17.198	2395	2399	2405	rVV	869597	1182131	13.57%	1.773%
51	17.263	2405	2410	2414	rVV3	130248	218437	2.51%	0.328%
52	17.474	2440	2446	2450	rBV	372960	559565	6.42%	0.839%
53	17.586	2459	2465	2471	rBV4	79732	138468	1.59%	0.208%
54	17.645	2471	2475	2484	rVB2	82402	162541	1.87%	0.244%
55	17.786	2495	2499	2506	rVB	66751	113780	1.31%	0.171%
56	17.939	2516	2525	2529	rBV	455426	690155	7.92%	1.035%
57	17.986	2529	2533	2540	rVB	562987	828856	9.52%	1.243%
58	18.068	2540	2547	2552	rBV	204491	328648	3.77%	0.493%
59	18.133	2552	2558	2562	rVV2	692977	1181100	13.56%	1.771%
60	18.168	2562	2564	2572	rVB	225368	301508	3.46%	0.452%
61	18.257	2572	2579	2582	rBV4	55344	90335	1.04%	0.135%
62	18.445	2606	2611	2615	rBV	283984	353662	4.06%	0.530%
63	18.692	2649	2653	2657	rVB3	72457	89038	1.02%	0.134%
64	18.862	2675	2682	2686	rBV	143556	271163	3.11%	0.407%
65	19.127	2721	2727	2734	rBV	2927172	3861575	44.33%	5.791%
66	19.233	2741	2745	2748	rVV3	62775	91466	1.05%	0.137%
67	19.368	2764	2768	2778	rVB	81144	148791	1.71%	0.223%
68	19.492	2785	2789	2798	rVB	1748331	2554500	29.33%	3.831%
69	19.568	2798	2802	2808	rVB3	112391	178829	2.05%	0.268%
70	19.674	2815	2820	2827	rBV	105444	154627	1.78%	0.232%
71	19.821	2839	2845	2851	rBV4	118696	316850	3.64%	0.475%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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	19.956	2862	2868	2869	rBV5	74836	115539	1.33%	0.173%
73	19.992	2869	2874	2881	rVB	350717	527057	6.05%	0.790%
74	20.092	2886	2891	2895	rVV	363969	487857	5.60%	0.732%
75	20.145	2895	2900	2904	rVV4	133003	239856	2.75%	0.360%
76	20.333	2928	2932	2936	rVV2	61130	97037	1.11%	0.146%
77	20.903	3026	3029	3032	rBV	103177	116923	1.34%	0.175%
78	20.945	3032	3036	3039	rVV2	80199	98738	1.13%	0.148%
79	21.256	3082	3089	3093	rBV2	2027445	3148458	36.15%	4.722%
80	21.292	3093	3095	3101	rVB	430821	504124	5.79%	0.756%
81	21.409	3112	3115	3122	rBV3	84272	126508	1.45%	0.190%
82	22.821	3349	3355	3359	rBV	176565	387920	4.45%	0.582%
83	23.480	3460	3467	3473	rBV	1064439	1886808	21.66%	2.830%

Sum of corrected areas: 66681419

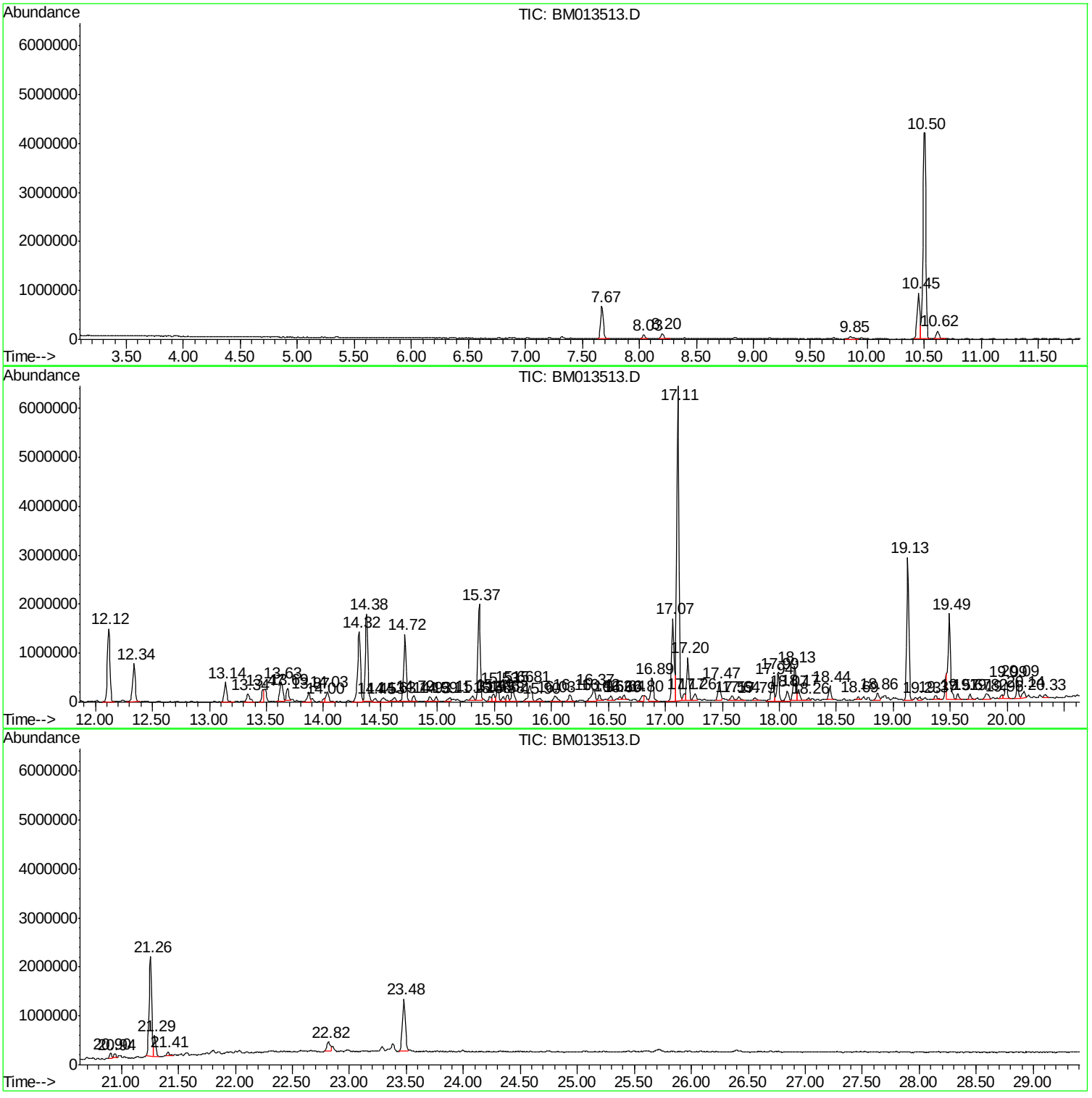
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A79ME

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 : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

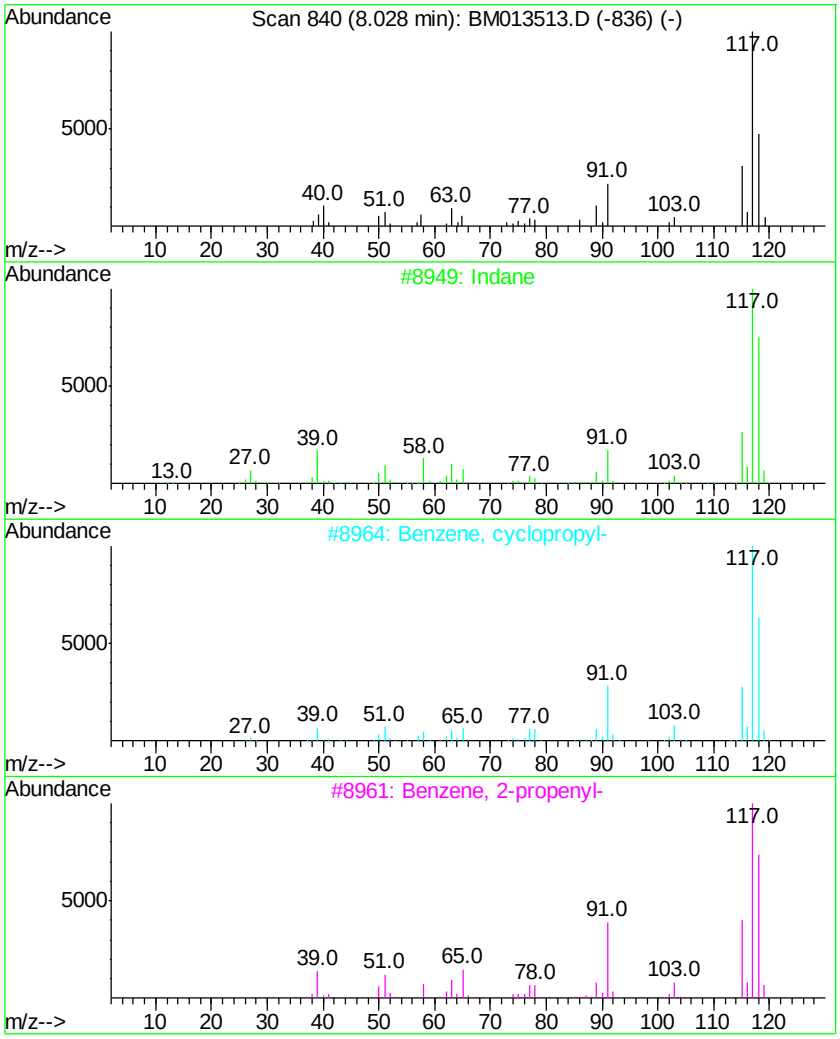
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

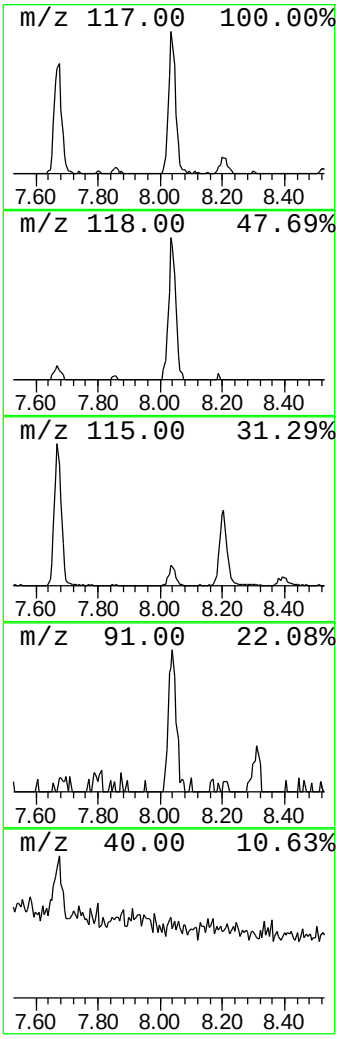
****

Peak Number 1 Indane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	2.62 ng/ul	140323	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
4	Indane	118	C9H10	000496-11-7	81
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	76





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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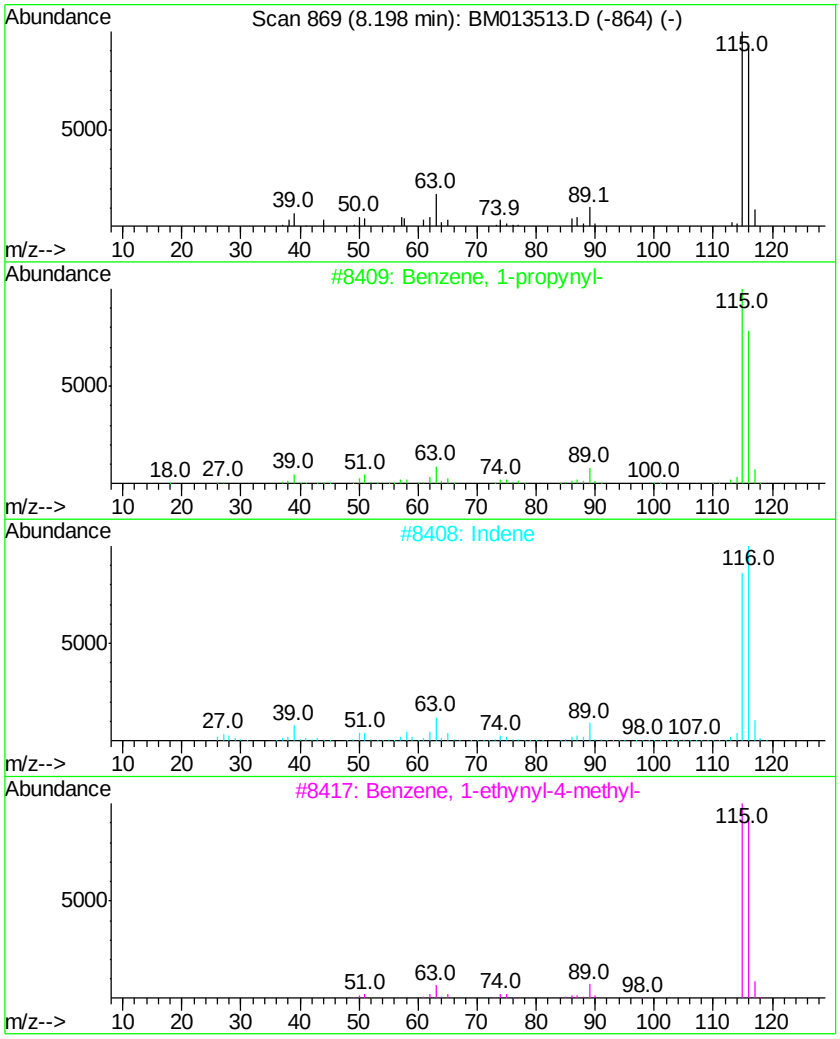
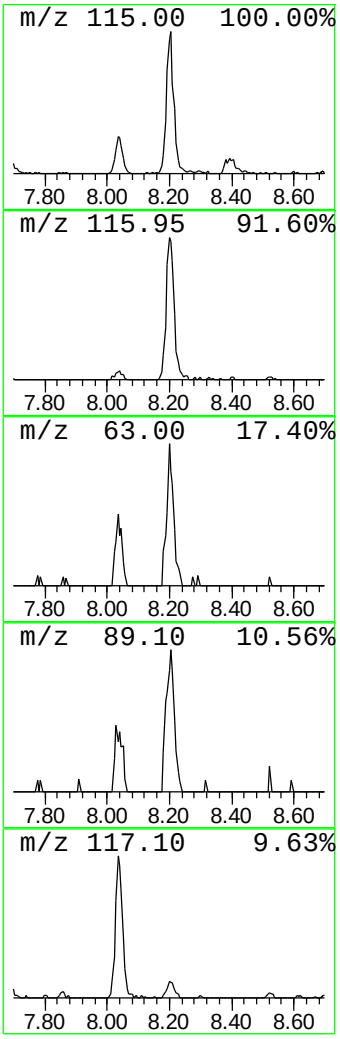
Peak Number 2 Benzene, 1-propynyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.72 ng/ul	199099	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
2	Indene	116	C9H8	000095-13-6	91
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Indene	116	C9H8	000095-13-6	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

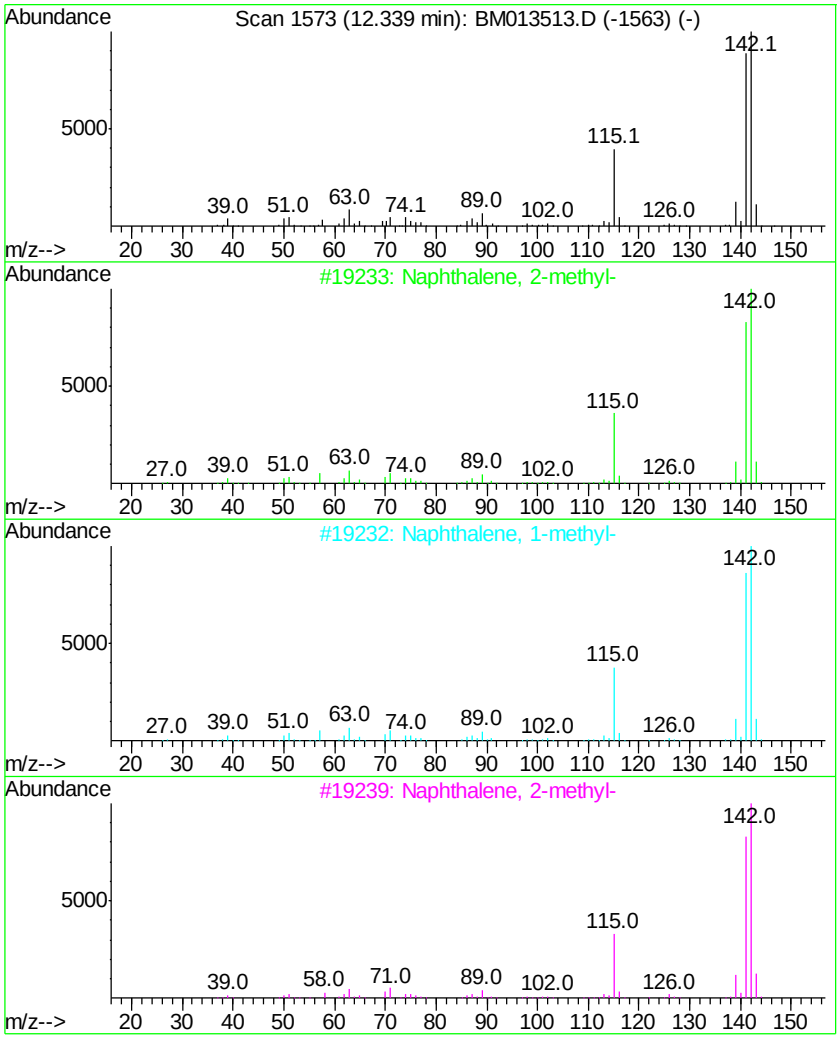
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

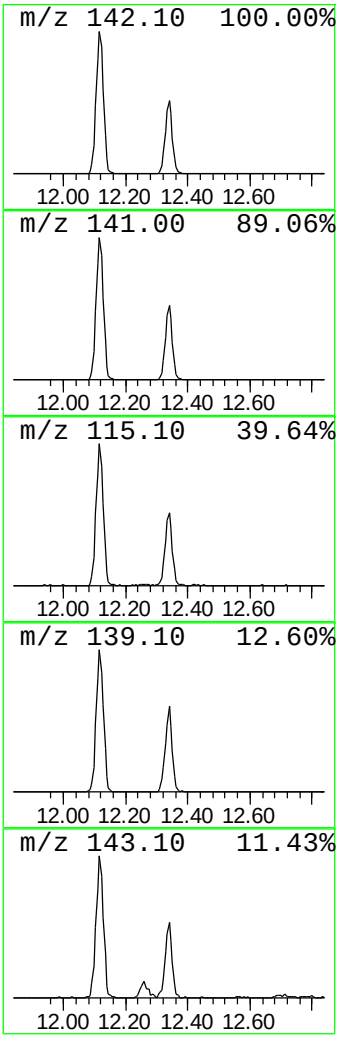
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	15.90 ng/ul	1268630	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

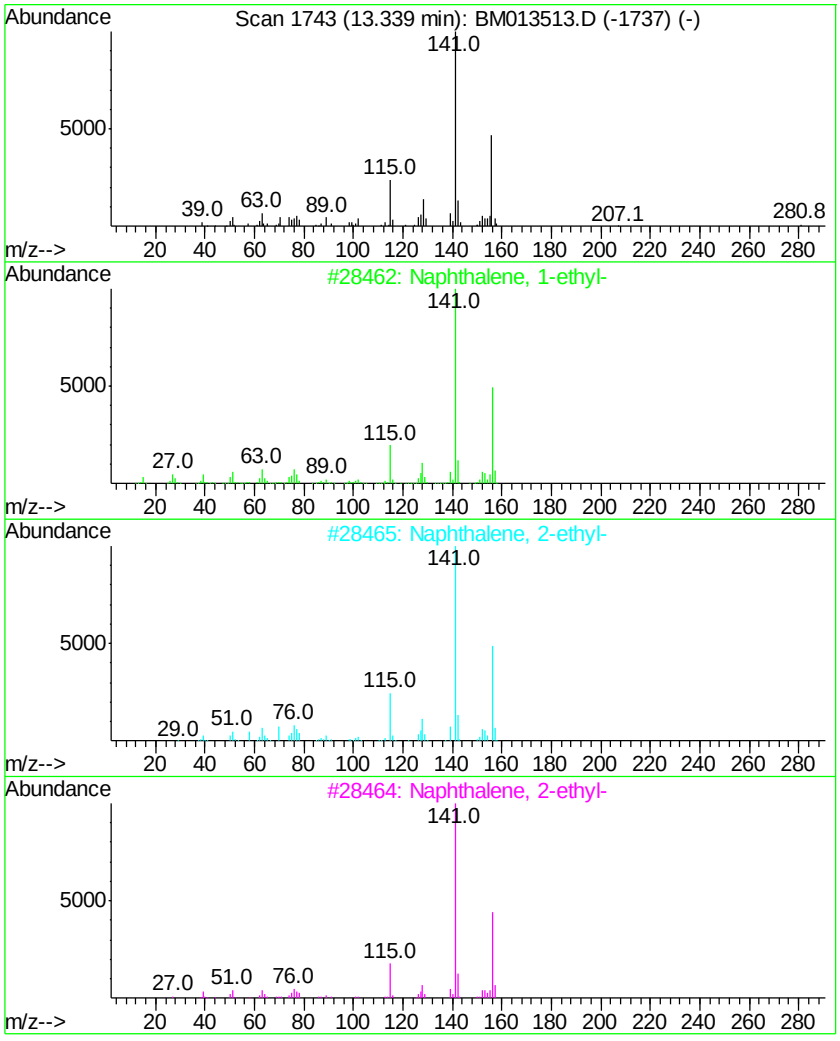
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

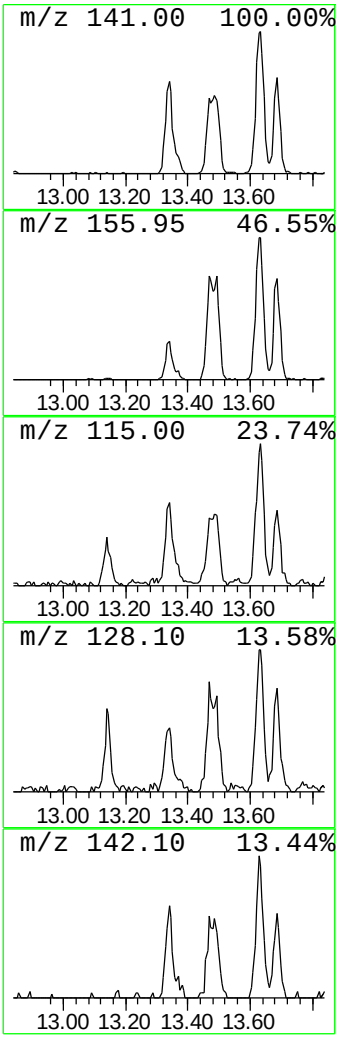
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.58 ng/ul	315133	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

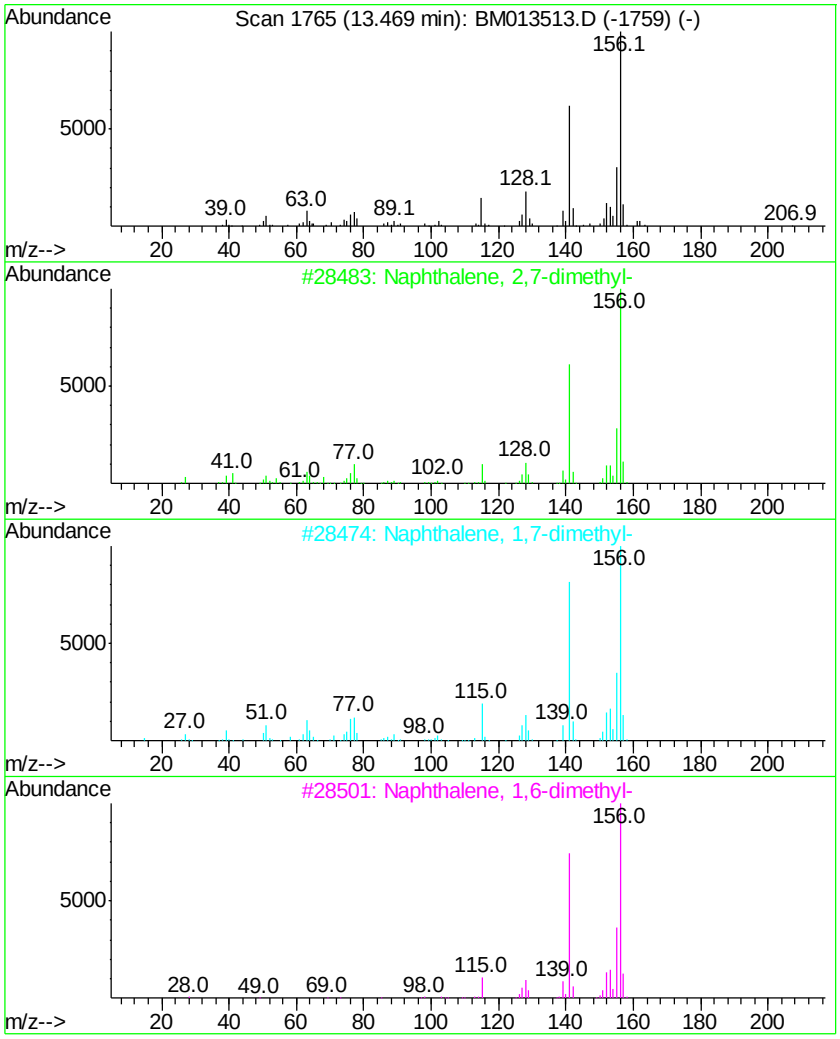
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

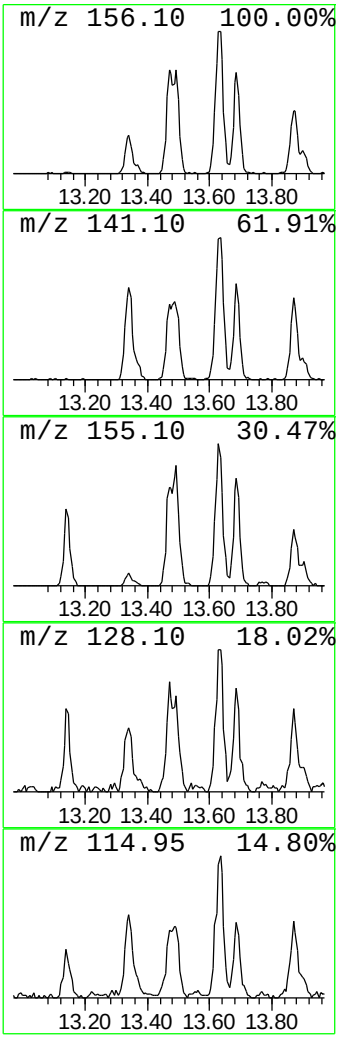
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.49 ng/ul	303044	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

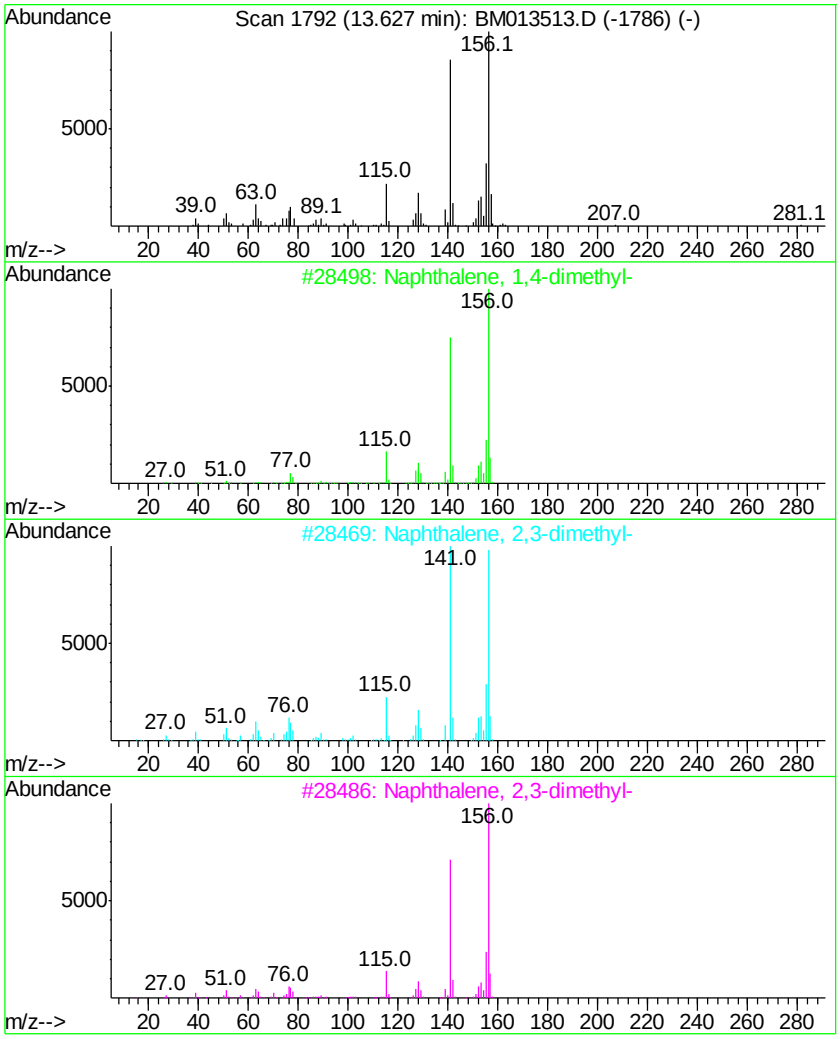
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

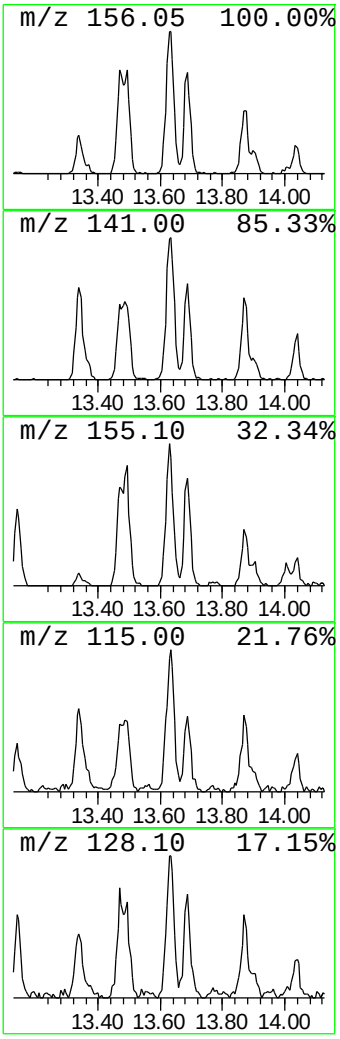
****

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	5.96 ng/ul	726848	Acenaphthene-d10	14.32

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





Library Search Compound Report

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Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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 8 Naphthalene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.66 ng/ul	324097	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
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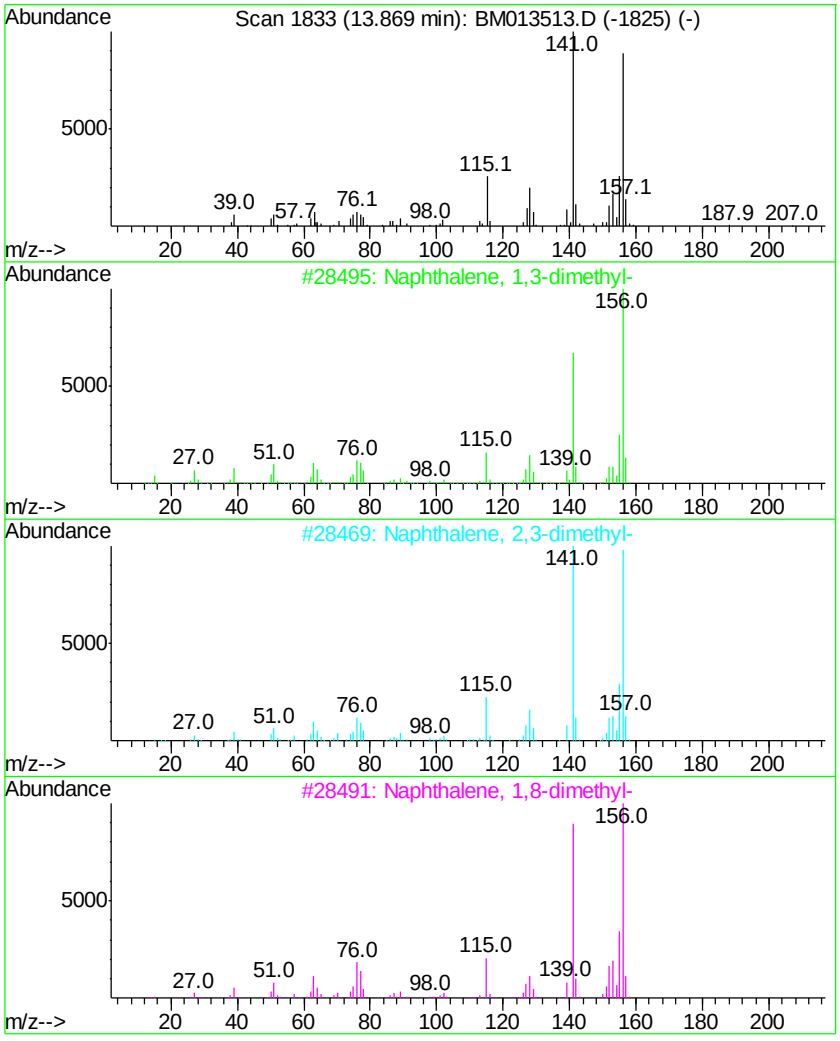

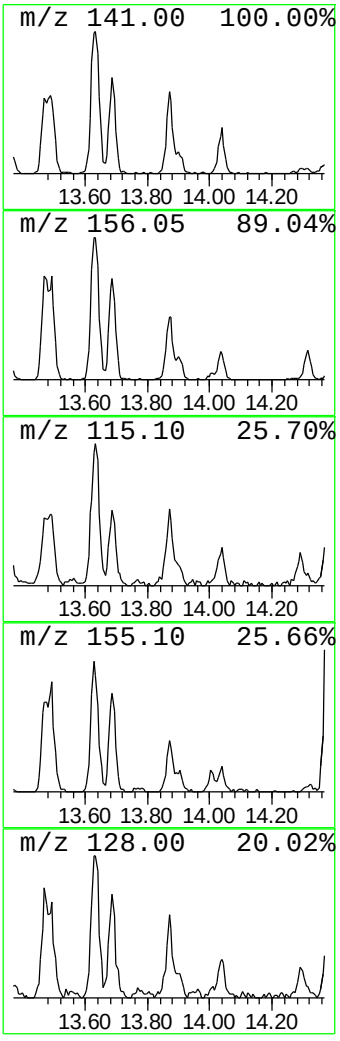

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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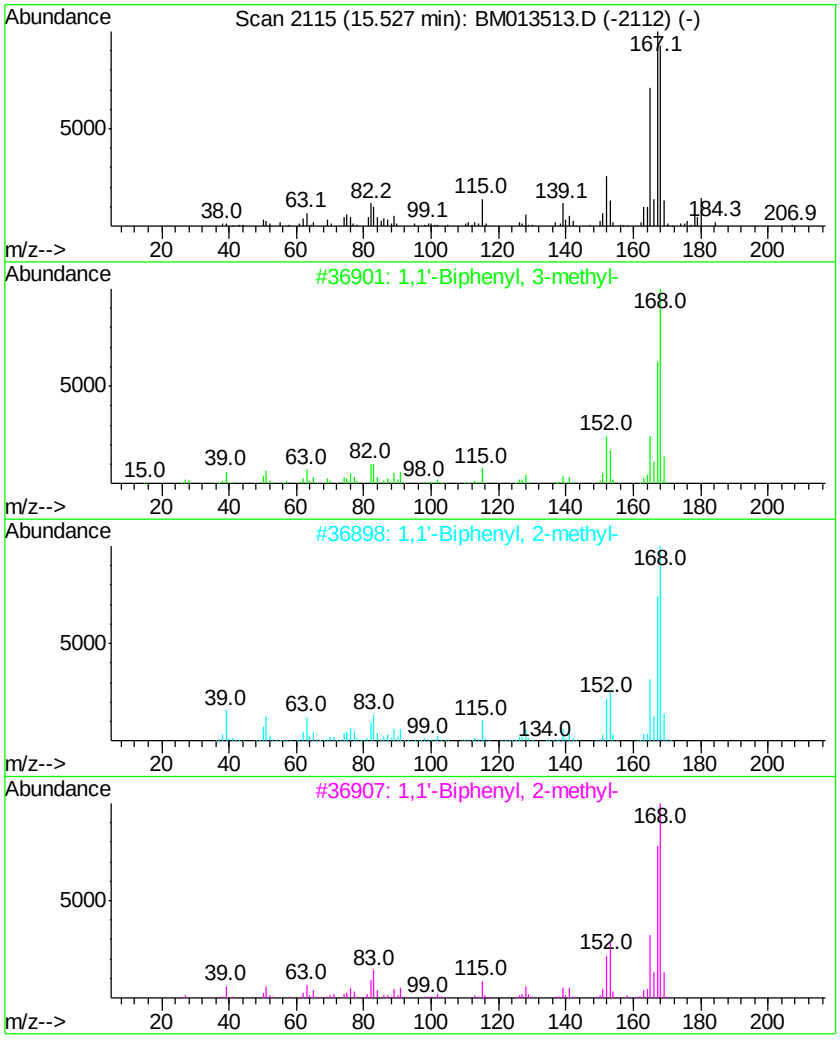
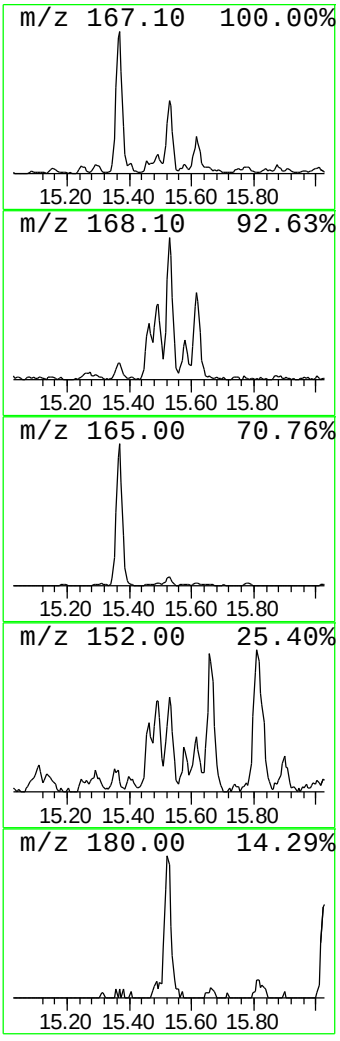
Peak Number 9 1,1'-Biphenyl, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.19 ng/ul	389437	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	90
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	86
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
5	Diphenylmethane	168	C13H12	000101-81-5	68





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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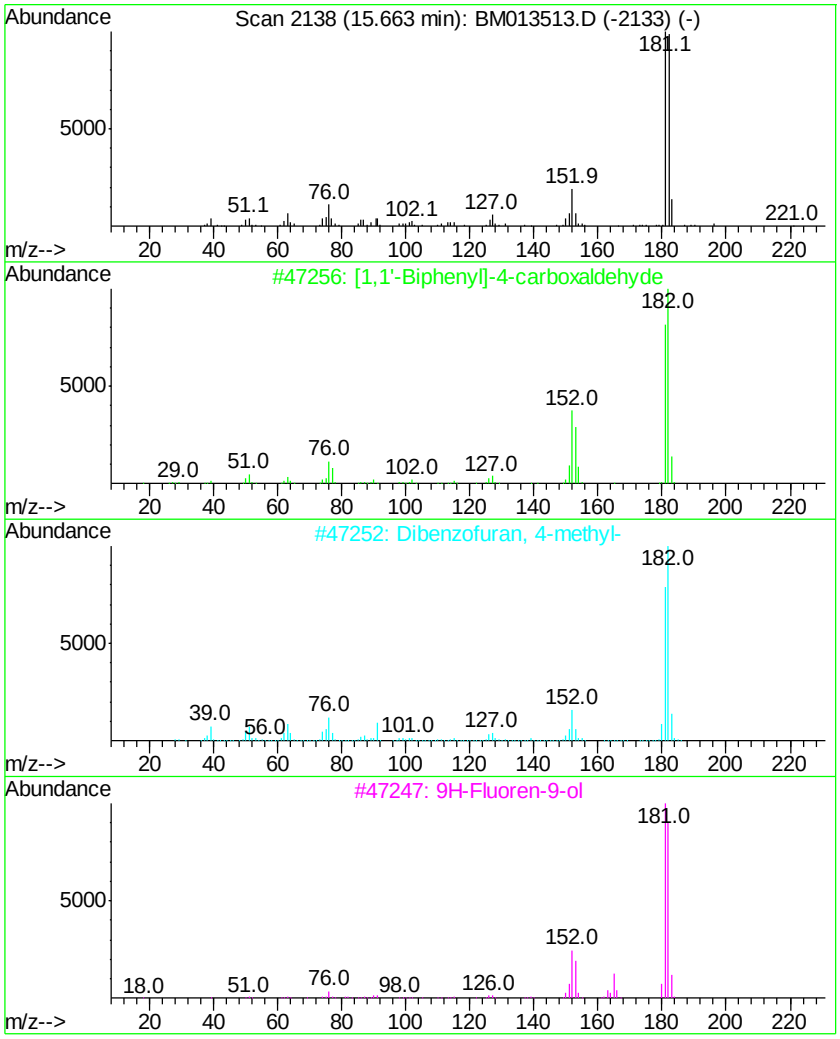
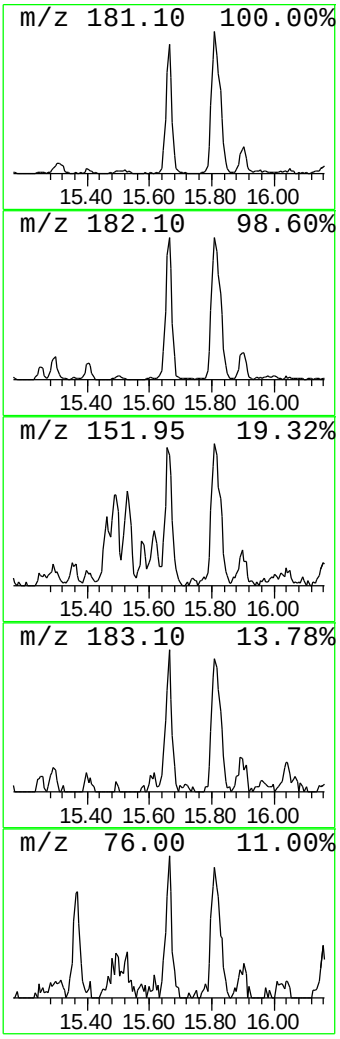
Peak Number 10 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	4.08 ng/ul	497808	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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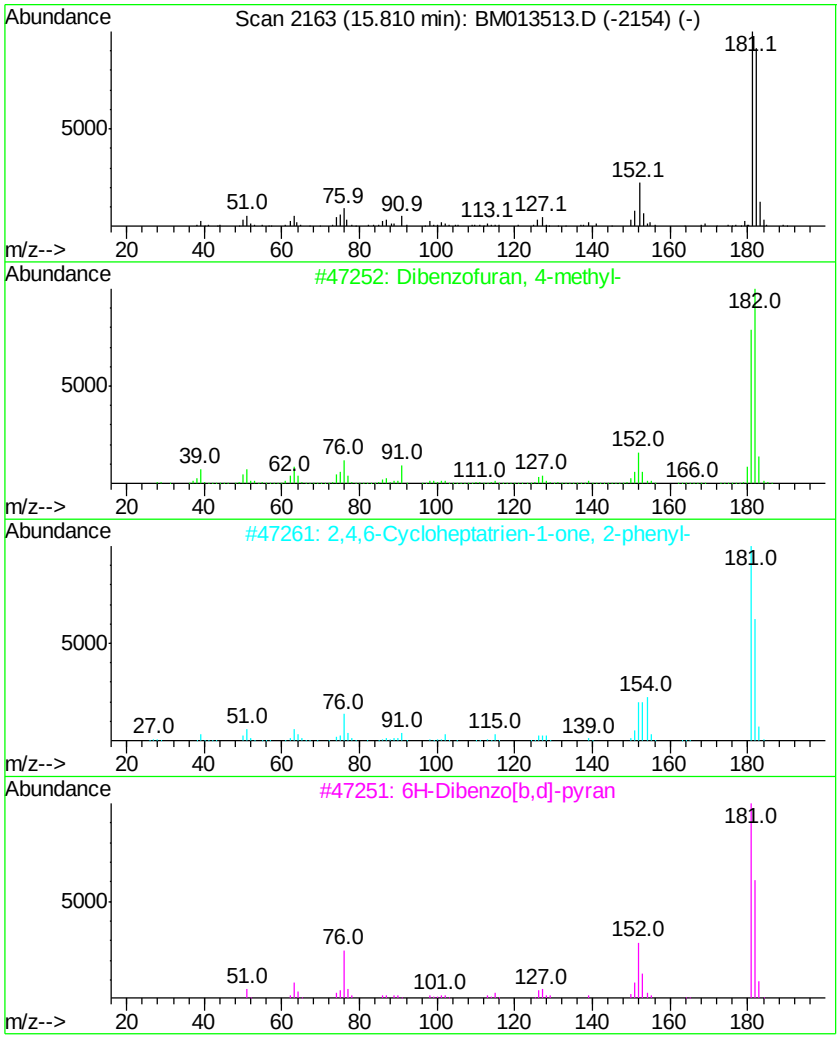
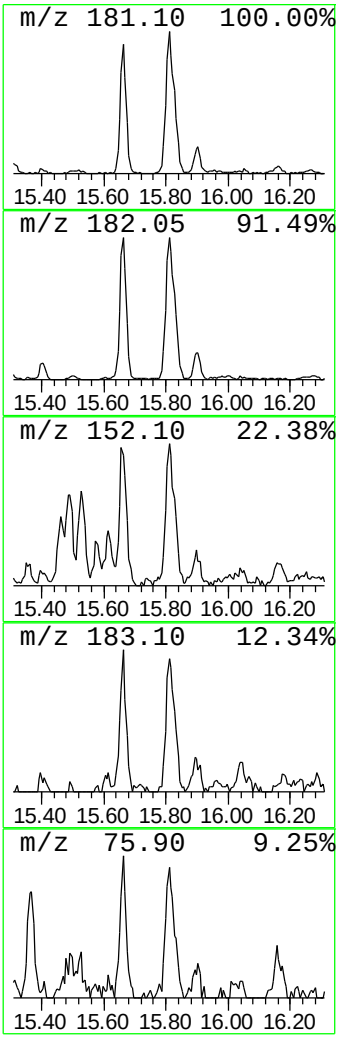
Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	5.21 ng/ul	696013	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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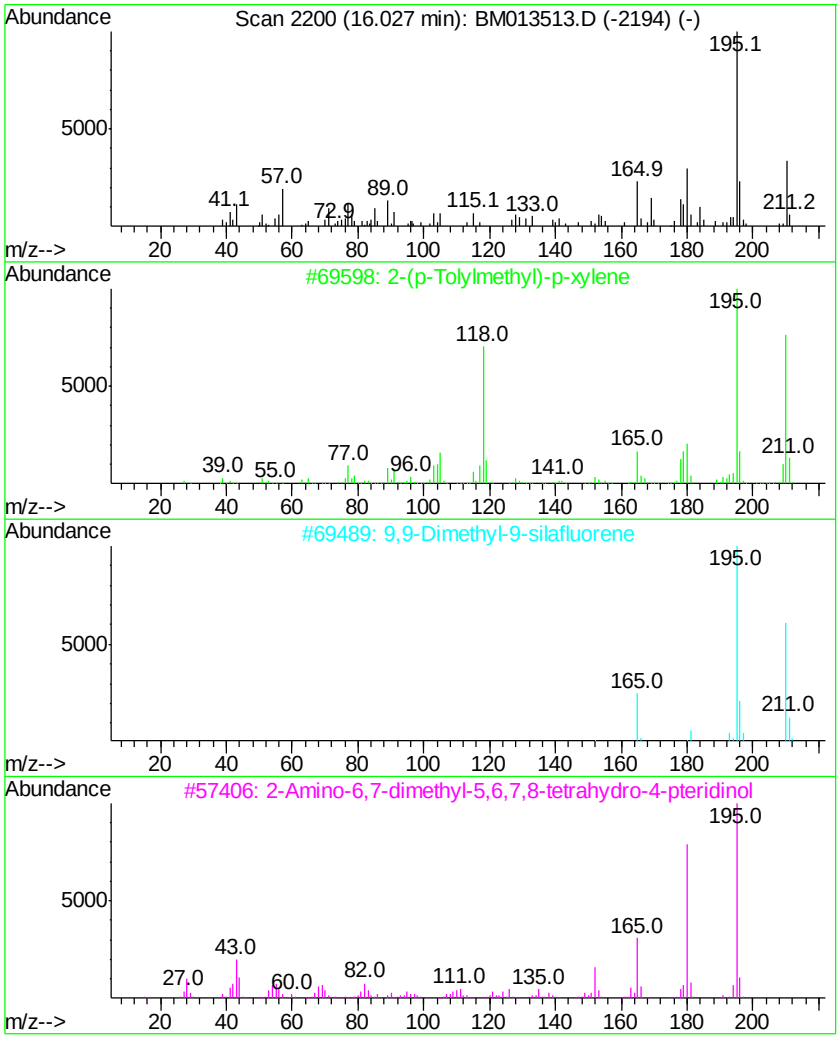
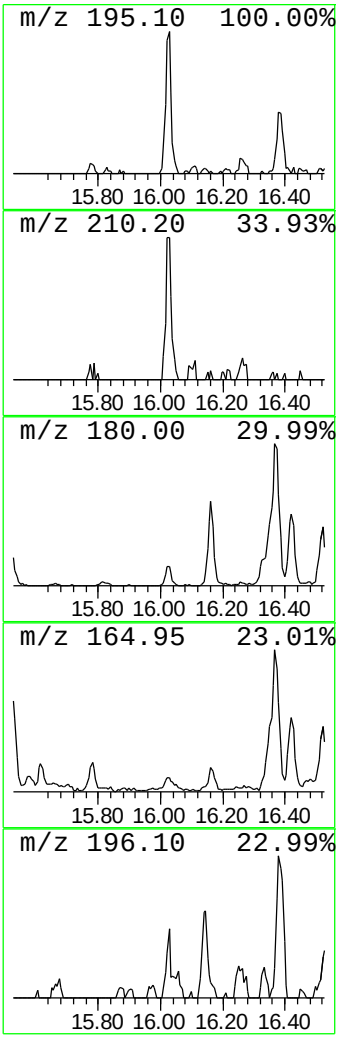
Peak Number 12 2-(p-Tolylmethyl)-p-xylene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.03 ng/ul	270776	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	81
2	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	53
3	2-Amino-6,7-dimethyl-5,6,7,8-tet...	195	C8H13N5O	1000239-36-2	49
4	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	47
5	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	47





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ALS Vial : 8 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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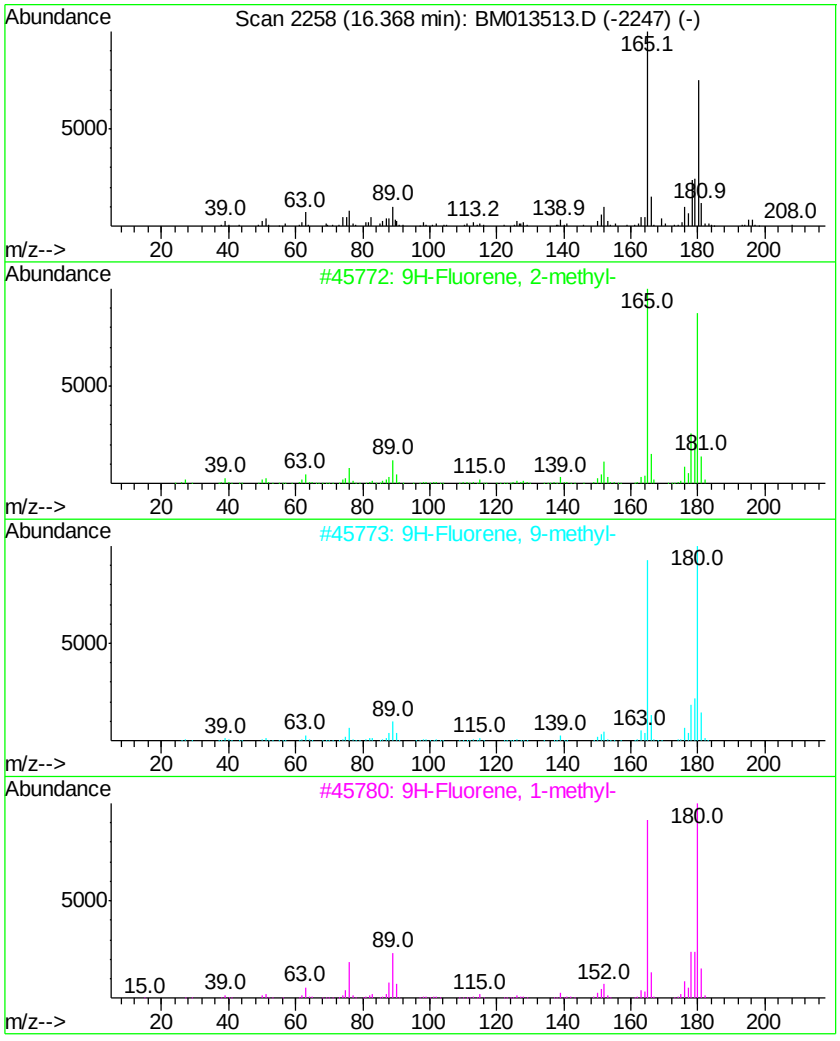
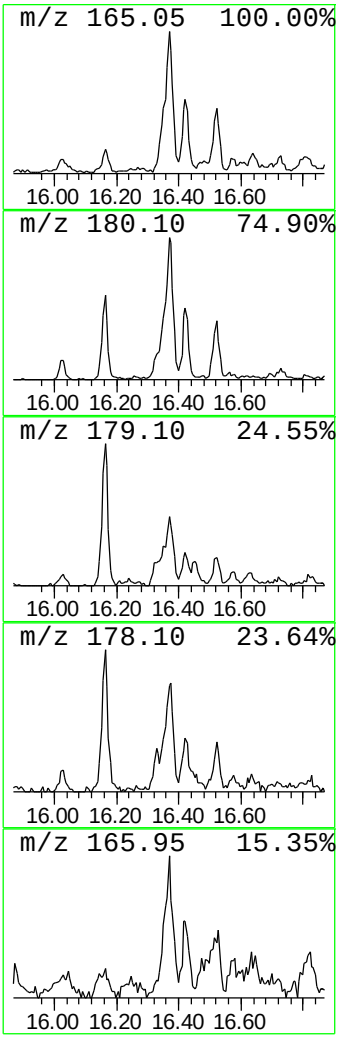
Peak Number 13 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	4.21 ng/ul	562462	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91





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Sample : I6778-14ME 30X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A79ME

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Quant Title : SVOA CALIBRATION

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

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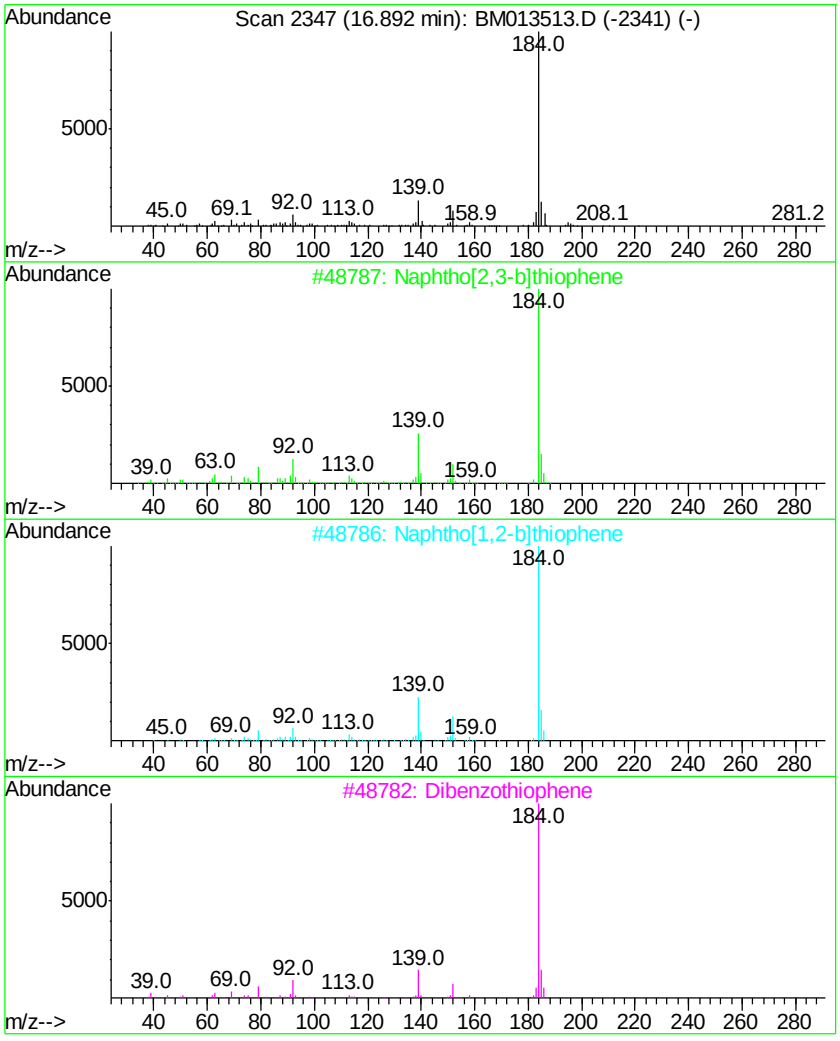
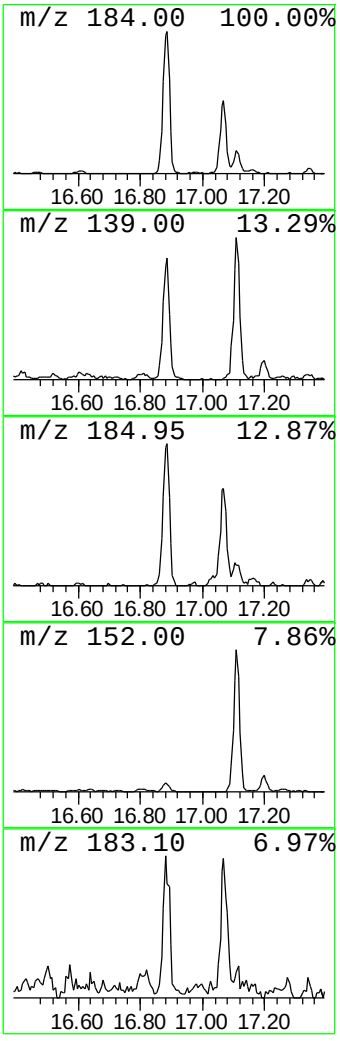
Peak Number 14 Naphtho[2,3-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	5.55 ng/ul	740705	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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 15 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.17 ng/ul	690155	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
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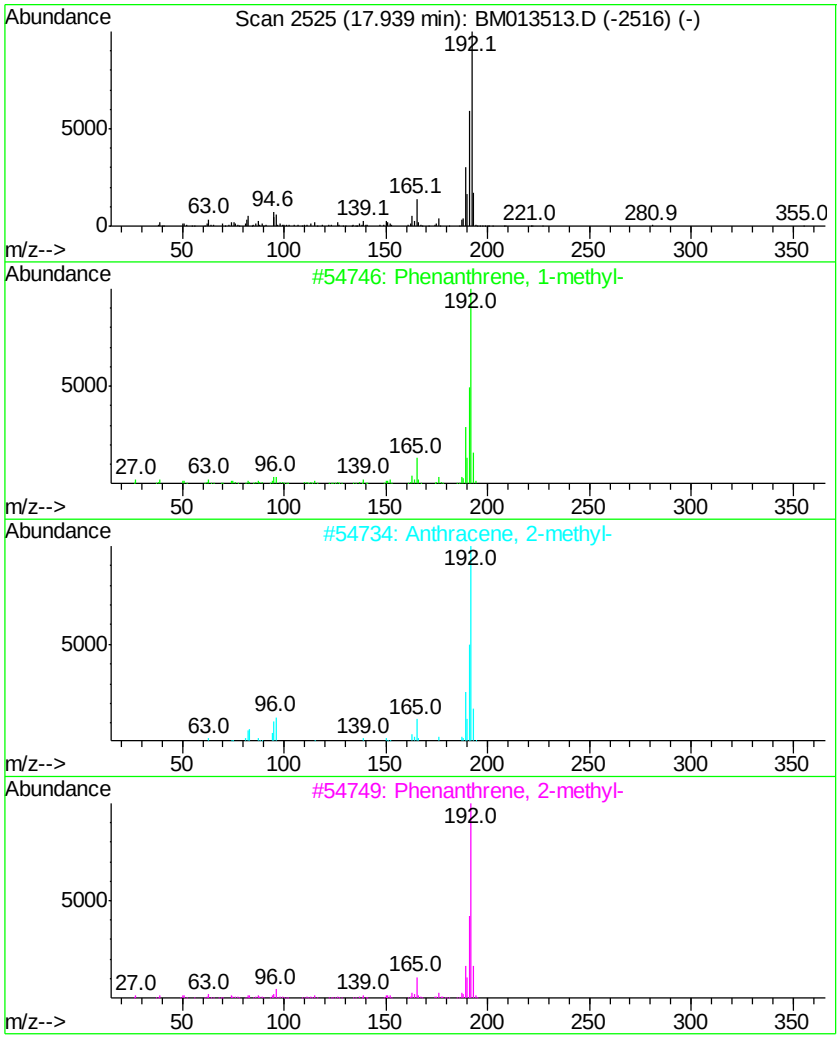
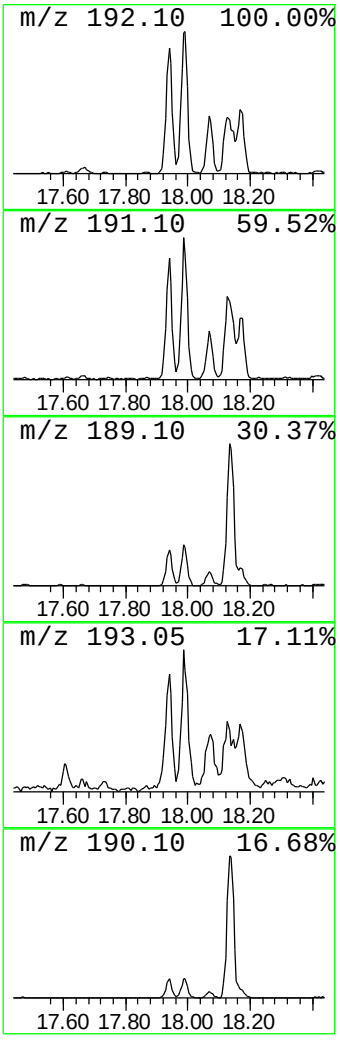
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_M
ClientSampleId : F9A79ME

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Quant Title : SVOA CALIBRATION

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

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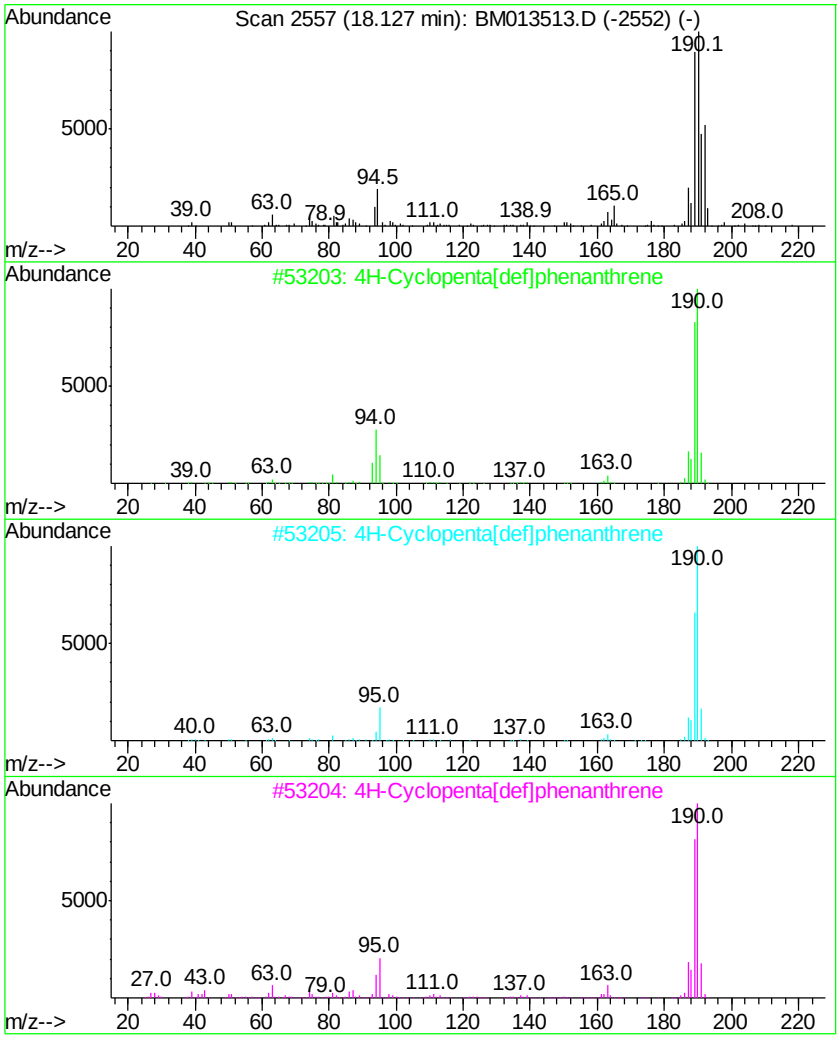
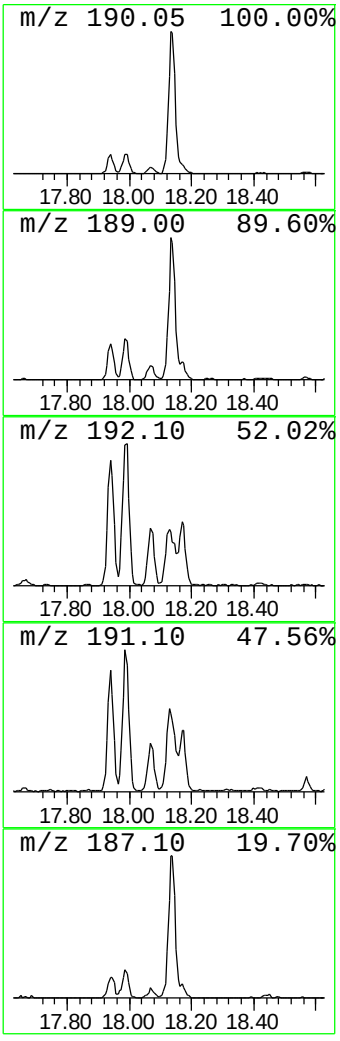
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	8.84 ng/ul	1181100	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	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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ClientSampleId : F9A79ME

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Quant Title : SVOA CALIBRATION

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

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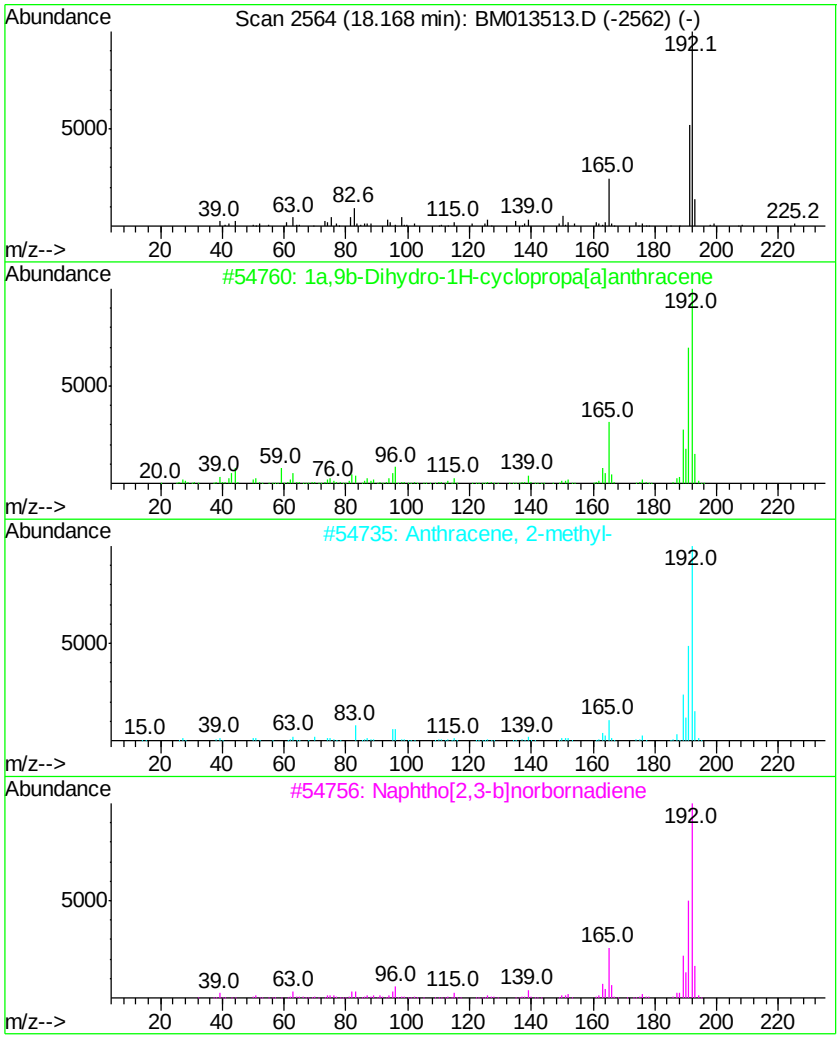
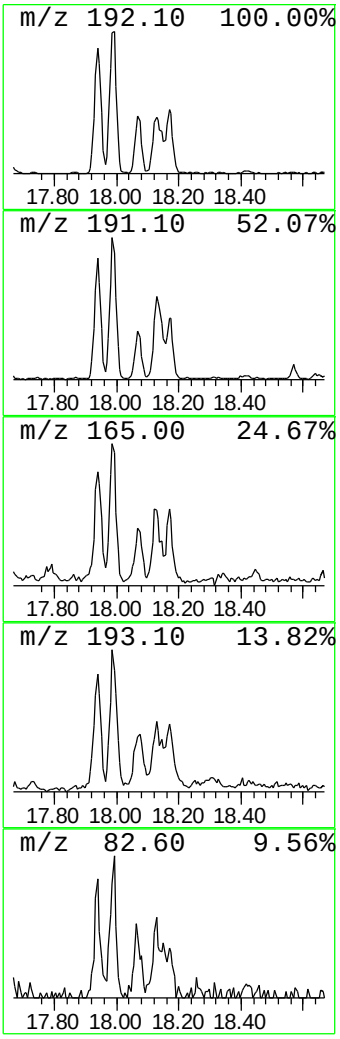
Peak Number 19 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.26 ng/ul	301508	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	80
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	80
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	72





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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Quant Title : SVOA CALIBRATION

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

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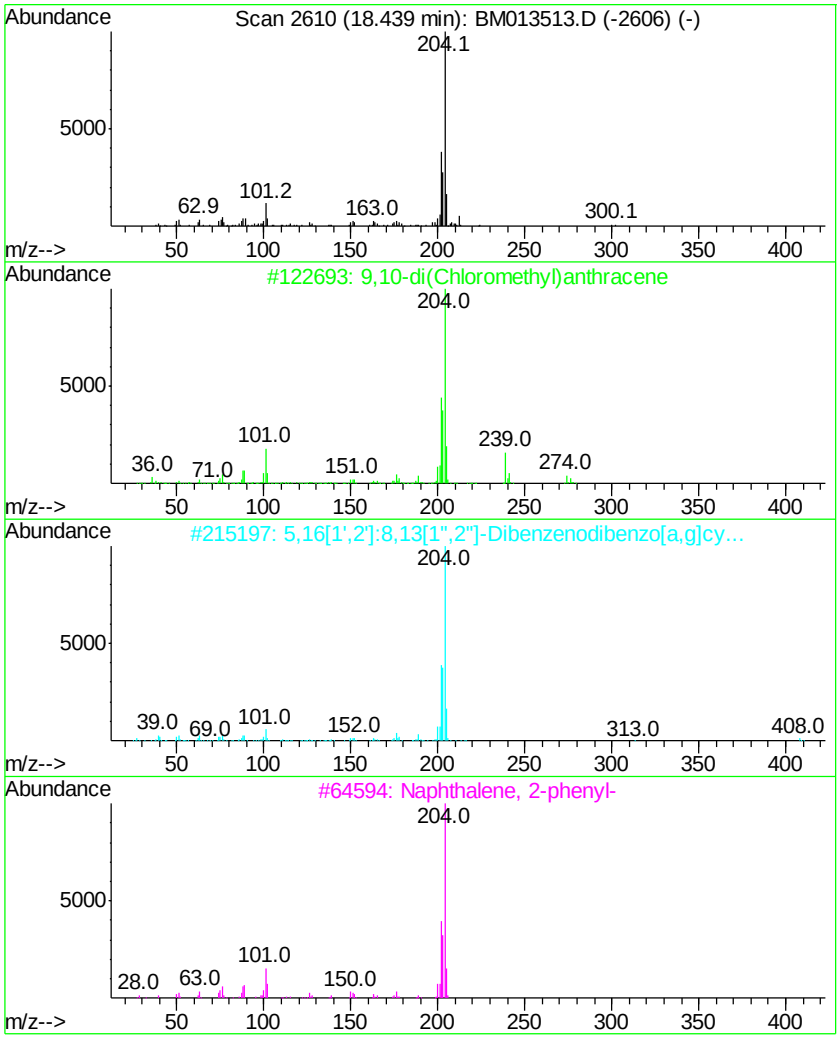
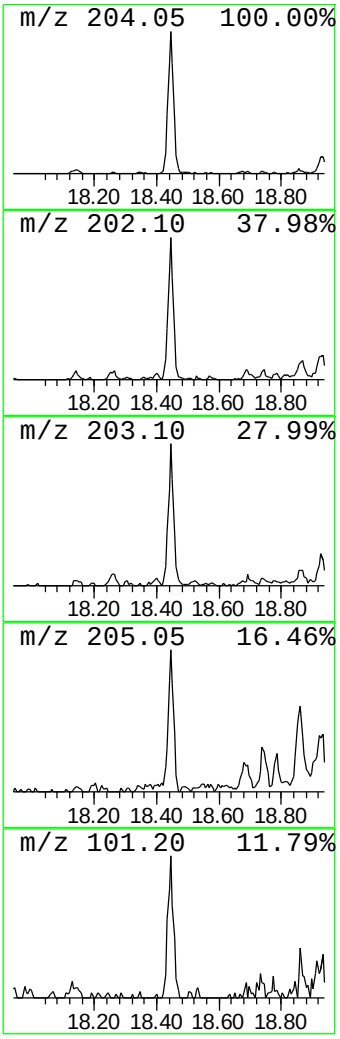
Peak Number 20 9,10-di(Chloromethyl)anthra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.65 ng/ul	353662	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Library Search Compound Report

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Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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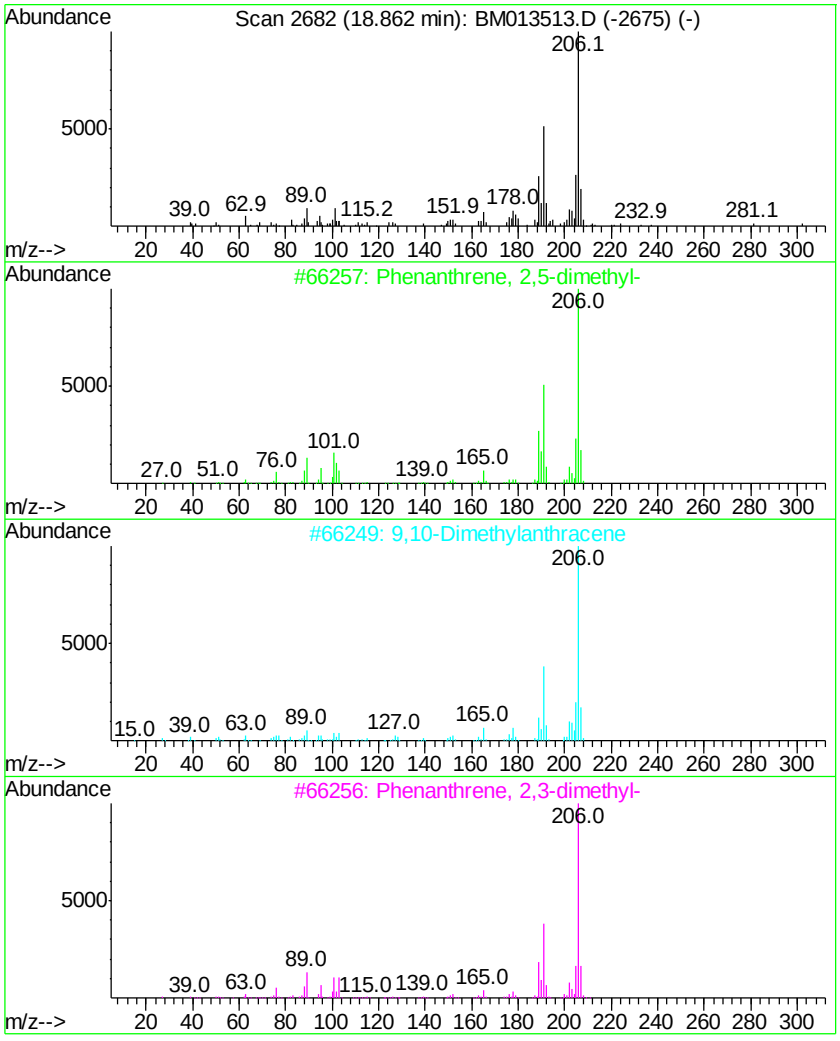
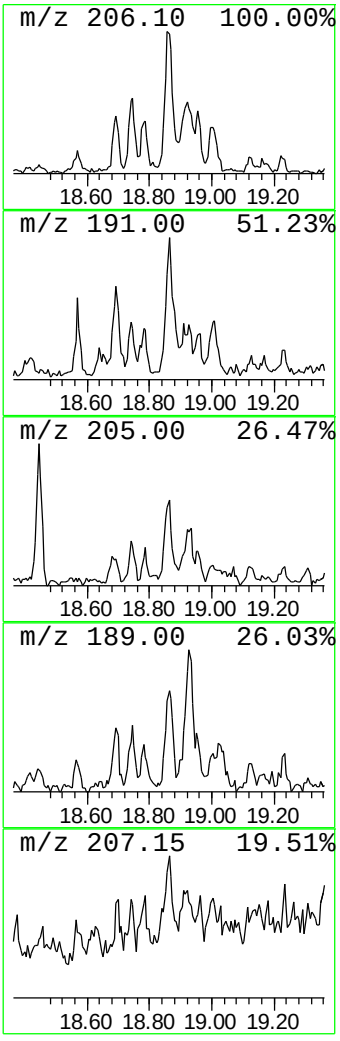
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.03 ng/ul	271163	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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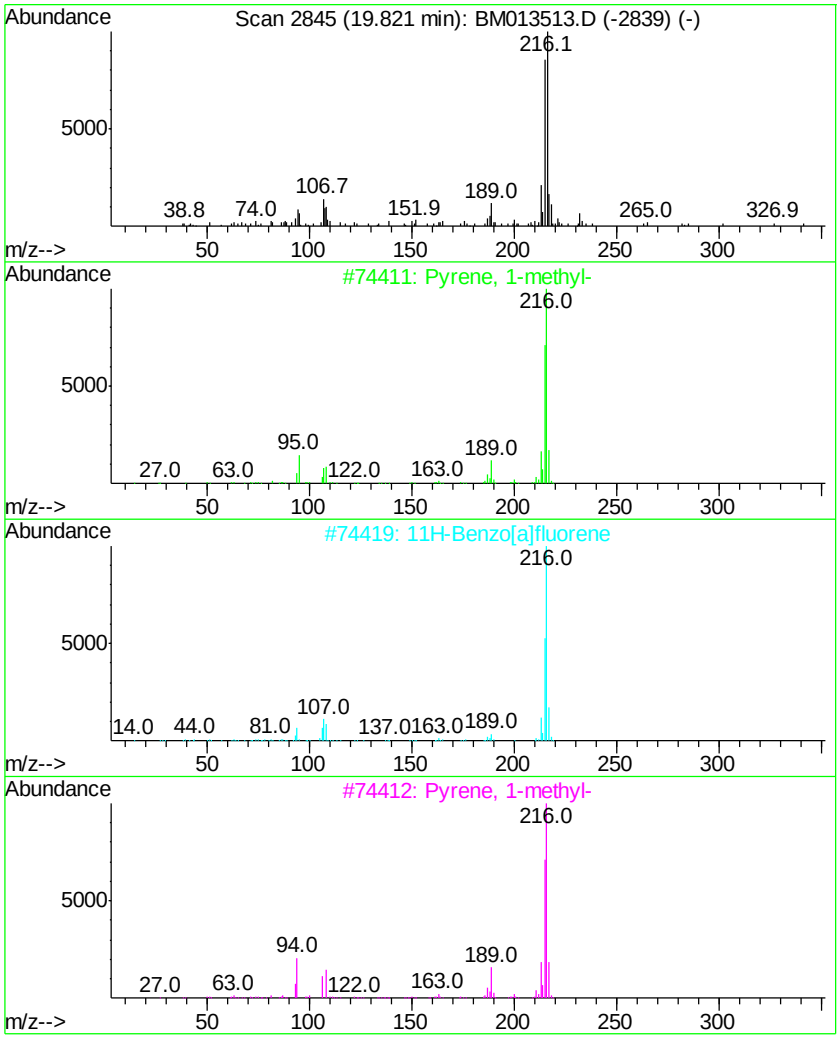
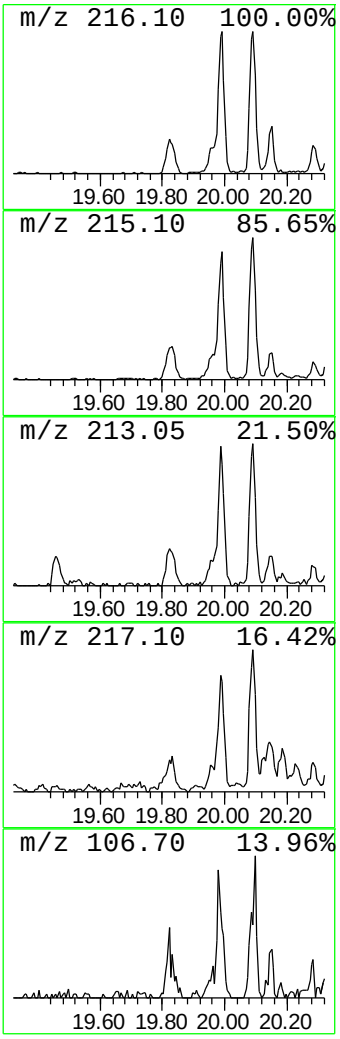
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.01 ng/ul	316850	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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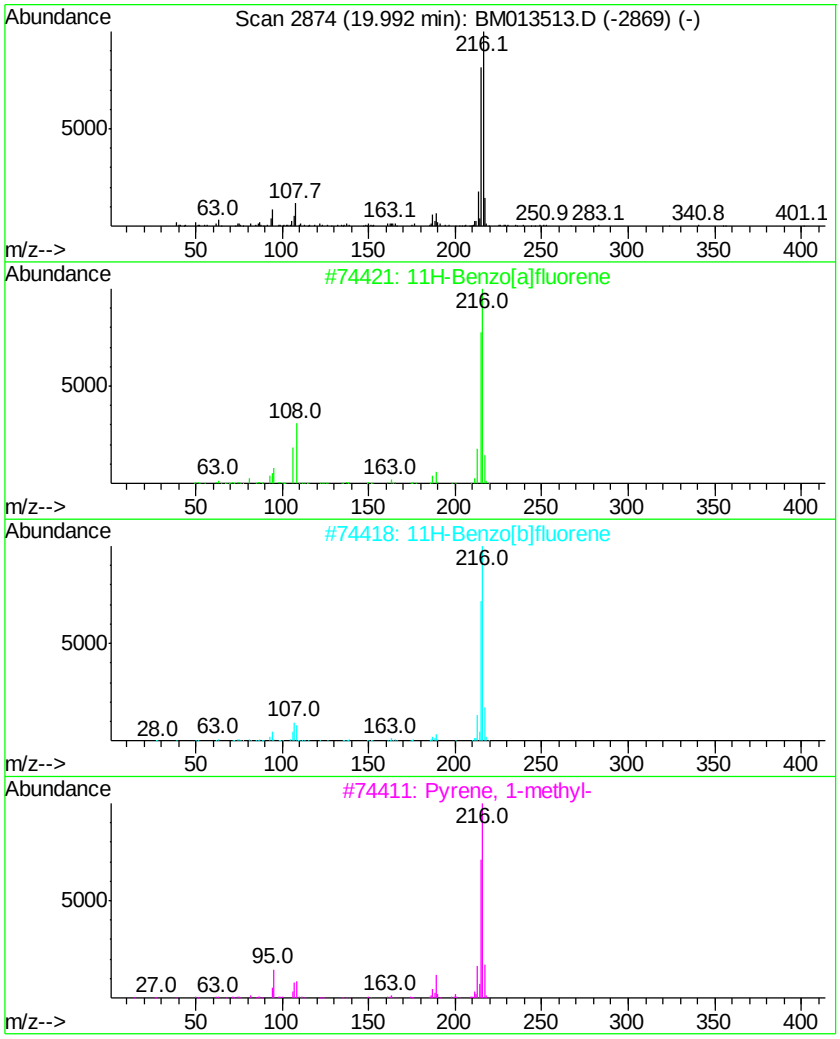
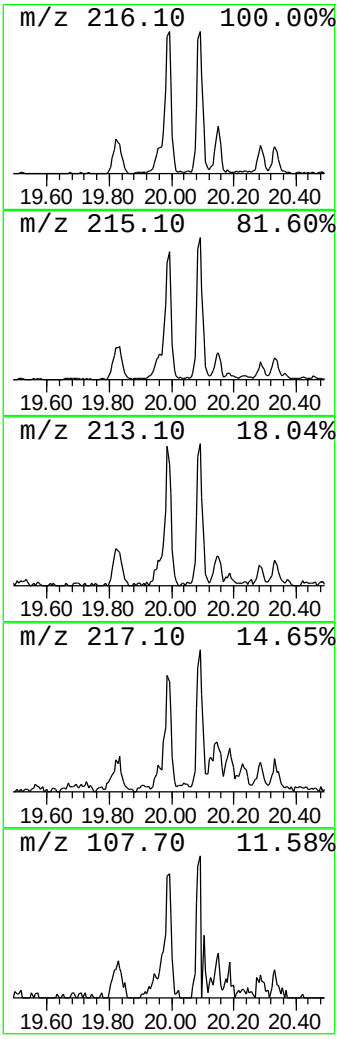
Peak Number 23 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.35 ng/ul	527057	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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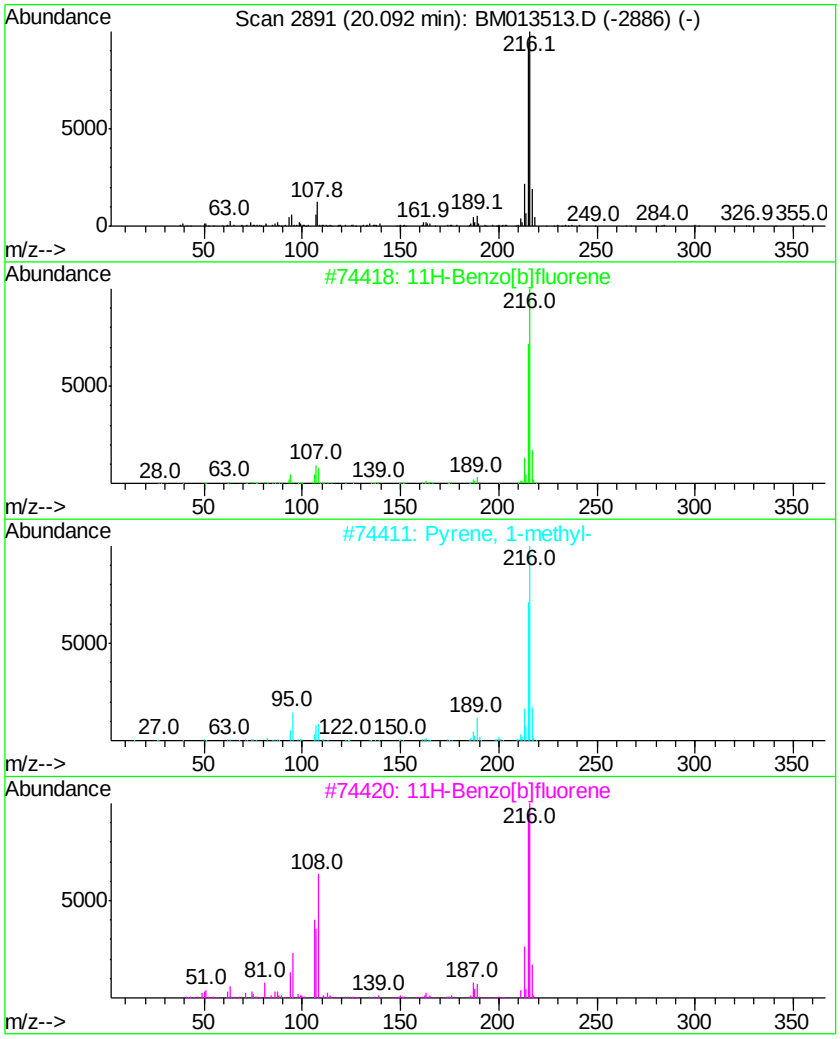
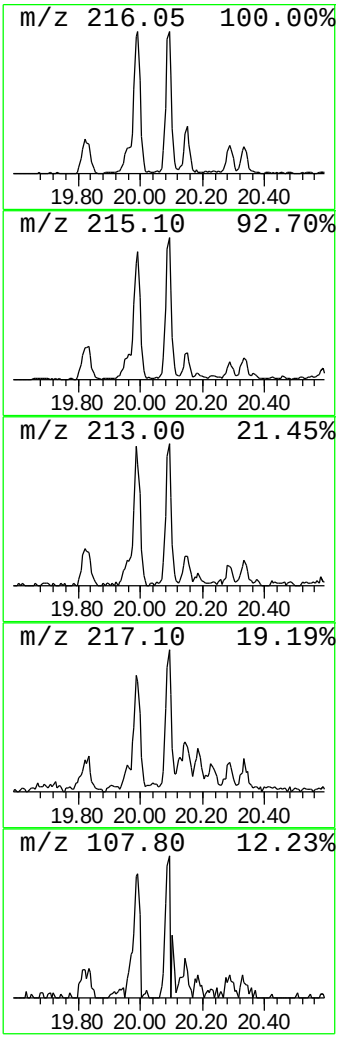
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	3.10 ng/ul	487857	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121917\
Data File : BM013513.D
Acq On : 19 Dec 2017 15:16
Operator : SJ/JU
Sample : I6778-14ME 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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
Indane	8.03	2.6	ng/ul	140323	1	7.67	1071220	20.0
Benzene, 1-propynyl-	8.20	3.7	ng/ul	199099	1	7.67	1071220	20.0
Naphthalene, 1-me...	12.34	15.9	ng/ul	1268630	2	10.45	1595440	20.0
Naphthalene, 1-et...	13.34	2.6	ng/ul	315133	3	14.32	2438870	20.0
Naphthalene, 2,7-...	13.47	2.5	ng/ul	303044	3	14.32	2438870	20.0
Naphthalene, 1,4-...	13.63	6.0	ng/ul	726848	3	14.32	2438870	20.0
Naphthalene, 1,3-...	13.87	2.7	ng/ul	324097	3	14.32	2438870	20.0
1,1'-Biphenyl, 3-...	15.53	3.2	ng/ul	389437	3	14.32	2438870	20.0
[1,1'-Biphenyl]-4...	15.66	4.1	ng/ul	497808	3	14.32	2438870	20.0
Dibenzofuran, 4-m...	15.81	5.2	ng/ul	696013	4	17.07	2671110	20.0
2-(p-Tolylmethyl)...	16.03	2.0	ng/ul	270776	4	17.07	2671110	20.0
9H-Fluorene, 2-me...	16.37	4.2	ng/ul	562462	4	17.07	2671110	20.0
Naphtho[2,3-b]thi...	16.89	5.5	ng/ul	740705	4	17.07	2671110	20.0
Phenanthrene, 1-m...	17.94	5.2	ng/ul	690155	4	17.07	2671110	20.0
4H-Cyclopenta[def...	18.13	8.8	ng/ul	1181100	4	17.07	2671110	20.0
1a,9b-Dihydro-1H-...	18.17	2.3	ng/ul	301508	4	17.07	2671110	20.0
9,10-di(Chloromet...	18.44	2.6	ng/ul	353662	4	17.07	2671110	20.0
Phenanthrene, 2,5...	18.86	2.0	ng/ul	271163	4	17.07	2671110	20.0
Pyrene, 1-methyl-	19.82	2.0	ng/ul	316850	5	21.26	3148460	20.0
11H-Benzo[a]fluorene	19.99	3.4	ng/ul	527057	5	21.26	3148460	20.0
11H-Benzo[b]fluorene	20.09	3.1	ng/ul	487857	5	21.26	3148460	20.0