LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010679.D
Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

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-BM062017.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	7.463	771	778	784	rBV	383881	584360	2.56%	0.344%
2	10.222	1238	1247	1251	rBV	555438	960762	4.21%	0.566%
3	10.275	1251	1256	1264	rVB	2380043	3831176	16.79%	2.257%
4	11.898	1524	1532	1539	rVB	802297	1298479	5.69%	0.765%
5	12.122	1559	1570	1576	rBV	1017283	1613932	7.07%	0.951%
6	12.933	1702	1708	1715	rBV	635933	946358	4.15%	0.558%
7	13.133	1736	1742	1753	rVB	407425	774370	3.39%	0.456%
8	13.269	1753	1765	1767	rBV	658676	1112599	4.88%	0.656%
9	13.427	1782	1792	1798	rBV	1004470	1793601	7.86%	1.057%
10	13.480	1798	1801	1806	rVV	344282	513544	2.25%	0.303%
11	13.669	1828	1833	1836	rBV	470754	671849	2.94%	0.396%
12	13.833	1857	1861	1868	rVB	403703	596011	2.61%	0.351%
13	14.110	1899	1908	1914	rBV4	928382	1901281	8.33%	1.120%
14	14.180	1914	1920	1928	rVV	4141858	6205713	27.20%	3.656%
15	14.327	1938	1945	1955	rBV2	196722	452478	1.98%	0.267%
16	14.427	1955	1962	1967	rBV2	263761	420435	1.84%	0.248%
17	14.521	1967	1978	1985	rBV	4326046	6092316	26.70%	3.589%
18	14.598	1985	1991	1995	rBV	219792	294308	1.29%	0.173%
19	14.739	2007	2015	2020	rBV3	212911	395458	1.73%	0.233%
20	14.792	2020	2024	2030	rVB2	276915	377029	1.65%	0.222%
21	14.910	2036	2044	2048	rBV	191150	390285	1.71%	0.230%
22	15.110	2074	2078	2083	rVB3	233394	372939	1.63%	0.220%
23	15.180	2083	2090	2094	rBV	6000138	8559439	37.51%	5.043%
24	15.268	2099	2105	2107	rVV2	221812	387735	1.70%	0.228%
25	15.292	2107	2109	2112	rVV	354664	470756	2.06%	0.277%
26	15.333	2112	2116	2121	rVV2	637672	962524	4.22%	0.567%
27	15.380	2121	2124	2127	rVV2	165596	257427	1.13%	0.152%
28	15.421	2127	2131	2134	rVV	351072	522208	2.29%	0.308%
29	15.468	2134	2139	2148	rVB	924806	1287708	5.64%	0.759%
30	15.616	2159	2164	2172	rVB	853229	1735836	7.61%	1.023%
31	15.704	2172	2179	2185	rVB3	181122	356232	1.56%	0.210%
32	15.845	2195	2203	2208	rBV5	219373	377991	1.66%	0.223%
33	15.968	2218	2224	2231	rBV3	220186	394323	1.73%	0.232%
34	16.180	2248	2260	2264	rBV2	614125	1328755	5.82%	0.783%

LSC Area Percent Report

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Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

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-BM062017.M
Title : SVOA CALIBRATION

35	16.227	2264	2268	2272	rVB2	246496	336380	1.47%	0.198%
36	16.327	2280	2285	2290	rVB2	281019	457062	2.00%	0.269%
37	16.410	2296	2299	2302	rVV2	199002	257299	1.13%	0.152%
38	16.451	2302	2306	2309	rVB2	241404	317612	1.39%	0.187%
39	16.604	2326	2332	2339	rBV3	323573	740908	3.25%	0.437%
40	16.686	2339	2346	2351	rVV	965980	1371455	6.01%	0.808%
41	16.874	2369	2378	2380	rBV	993949	1609317	7.05%	0.948%
42	16.927	2380	2387	2392	rVV	15958132	22817335	100.00%	13.443%
43	17.015	2392	2402	2407	rVV	10004965	13885567	60.86%	8.181%
44	17.062	2407	2410	2416	rVB3	223049	340112	1.49%	0.200%
45	17.280	2441	2447	2452	rBV	3029702	4135744	18.13%	2.437%
46	17.398	2463	2467	2473	rBV2	212586	342432	1.50%	0.202%
47	17.745	2517	2526	2530	rBV	1105254	1655046	7.25%	0.975%
48	17.792	2530	2534	2541	rVB	1354878	1975273	8.66%	1.164%
49	17.874	2541	2548	2553	rBV	879504	1291156	5.66%	0.761%
50	17.945	2553	2560	2563	rVV2	1830593	3139479	13.76%	1.850%
51	17.974	2563	2565	2574	rVB	613352	786688	3.45%	0.463%
52	18.051	2574	2578	2582	rBV	200918	292318	1.28%	0.172%
53	18.098	2582	2586	2591	rVB	217568	287570	1.26%	0.169%
54	18.256	2608	2613	2617	rBV	799849	1000599	4.39%	0.590%
55	18.504	2647	2655	2659	rBV5	214562	366376	1.61%	0.216%
56	18.674	2678	2684	2689	rBV	397201	723164	3.17%	0.426%
57	18.739	2689	2695	2699	rBV2	230368	393795	1.73%	0.232%
58	18.951	2724	2731	2737	rBV	10659521	13958545	61.18%	8.224%
59	19.015	2737	2742	2745	rVV2	636241	911071	3.99%	0.537%
60	19.039	2745	2746	2751	rVV3	192356	254672	1.12%	0.150%
61	19.186	2766	2771	2776	rVB2	256057	396695	1.74%	0.234%
62	19.315	2782	2793	2801	rBV2	6500463	11709536	51.32%	6.899%
63	19.380	2801	2804	2812	rVB2	374990	613849	2.69%	0.362%
64	19.492	2812	2823	2829	rBV	480815	778869	3.41%	0.459%
65	19.551	2829	2833	2838	rVB	155501	241694	1.06%	0.142%
66	19.639	2838	2848	2853	rBV3	437164	1125743	4.93%	0.663%
67	19.692	2853	2857	2860	rVB	205680	273304	1.20%	0.161%
68	19.774	2865	2871	2873	rVV4	339866	652316	2.86%	0.384%
69	19.809	2873	2877	2882	rVB	1485225	2069296	9.07%	1.219%
70	19.909	2889	2894	2898	rBV	1641499	2109744	9.25%	1.243%
71	19.968	2898	2904	2908	rVV2	573943	1035376	4.54%	0.610%

LSC Area Percent Report

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Data File : BM010679.D
Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Title : SVOA CALIBRATION

72	20.009	2908	2911	2915	rVV	247057	328032	1.44%	0.193%
73	20.109	2924	2928	2931	rVV	259499	339033	1.49%	0.200%
74	20.151	2931	2935	2945	rVB2	301162	561250	2.46%	0.331%
75	20.403	2974	2978	2981	rBV3	235095	330882	1.45%	0.195%
76	20.439	2981	2984	2989	rVB2	153612	253595	1.11%	0.149%
77	20.521	2994	2998	3003	rBV	238054	421987	1.85%	0.249%
78	20.727	3029	3033	3037	rBV	504523	637955	2.80%	0.376%
79	20.768	3037	3040	3043	rVV	406105	480195	2.10%	0.283%
80	20.815	3043	3048	3052	rVB2	256222	488516	2.14%	0.288%
81	20.968	3068	3074	3082	rBV	170263	308938	1.35%	0.182%
82	21.074	3082	3092	3097	rVV3	3656415	6898179	30.23%	4.064%
83	21.121	3097	3100	3107	rVB	2550534	3147595	13.79%	1.854%
84	21.239	3116	3120	3123	rBV	428433	543392	2.38%	0.320%
85	21.345	3134	3138	3142	rVB	582815	732206	3.21%	0.431%
86	21.397	3142	3147	3152	rVB2	362417	577234	2.53%	0.340%
87	21.539	3166	3171	3174	rBV3	142238	247993	1.09%	0.146%
88	21.621	3179	3185	3189	rVV	444475	755959	3.31%	0.445%
89	21.668	3190	3193	3198	rVB	212432	286807	1.26%	0.169%
90	21.809	3213	3217	3219	rVV2	200128	255666	1.12%	0.151%
91	21.839	3219	3222	3228	rVB2	316703	455300	2.00%	0.268%
92	21.903	3228	3233	3244	rVB4	171954	348518	1.53%	0.205%
93	22.592	3343	3350	3355	rBV	1144075	2577629	11.30%	1.519%
94	22.750	3372	3377	3383	rVB	213526	330262	1.45%	0.195%
95	23.039	3421	3426	3431	rBV	527068	868451	3.81%	0.512%
96	23.133	3437	3442	3449	rVB	911177	1547769	6.78%	0.912%
97	23.221	3450	3457	3462	rVV	794699	1583033	6.94%	0.933%
98	23.268	3462	3465	3473	rVB2	252562	451757	1.98%	0.266%
99	25.327	3809	3815	3830	rVB2	252581	712339	3.12%	0.420%
100	25.980	3919	3926	3936	rVB2	128253	364613	1.60%	0.215%

Sum of corrected areas: 169728699

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
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Acq On : 23 Jun 2017 02:44
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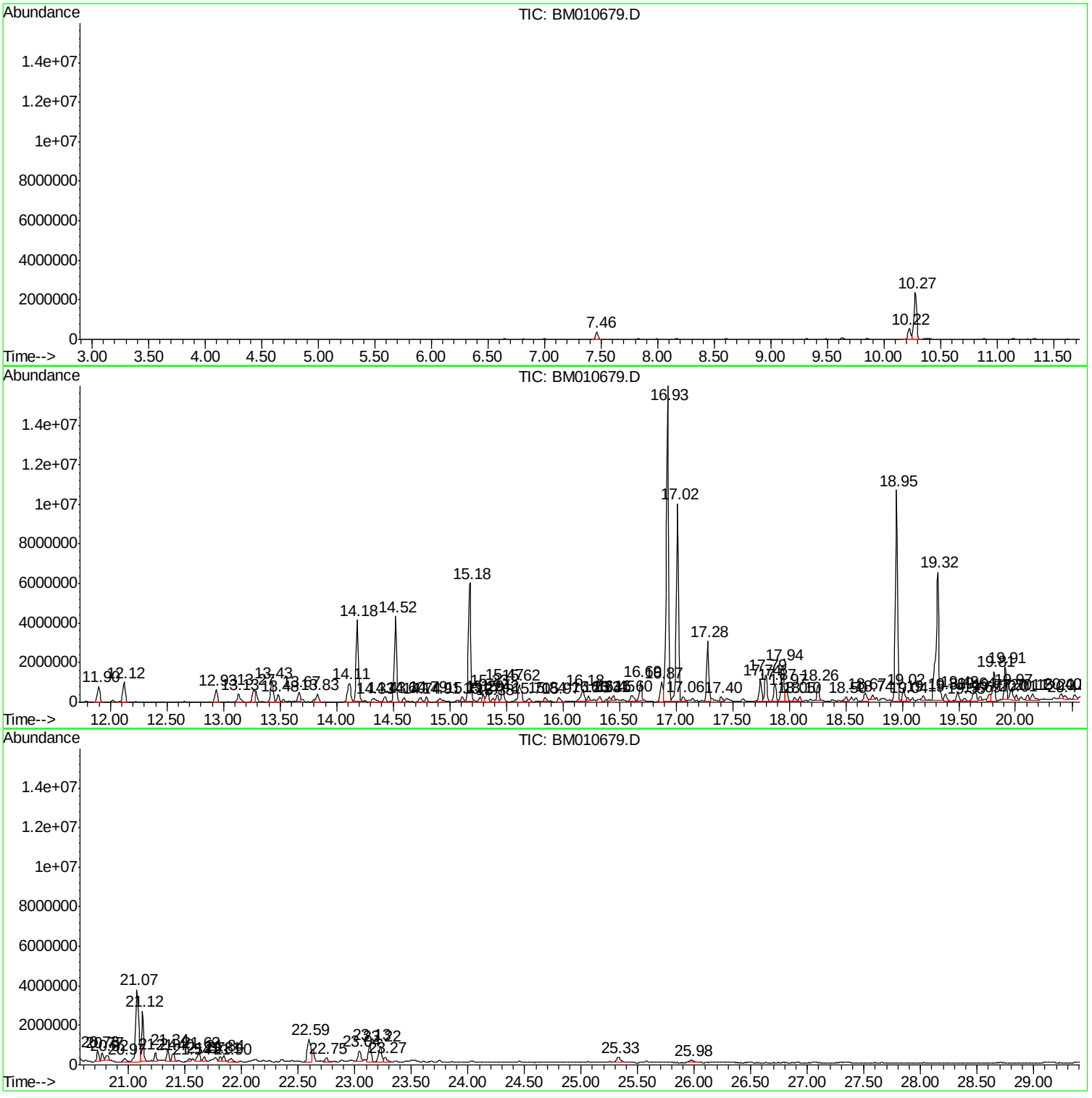
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

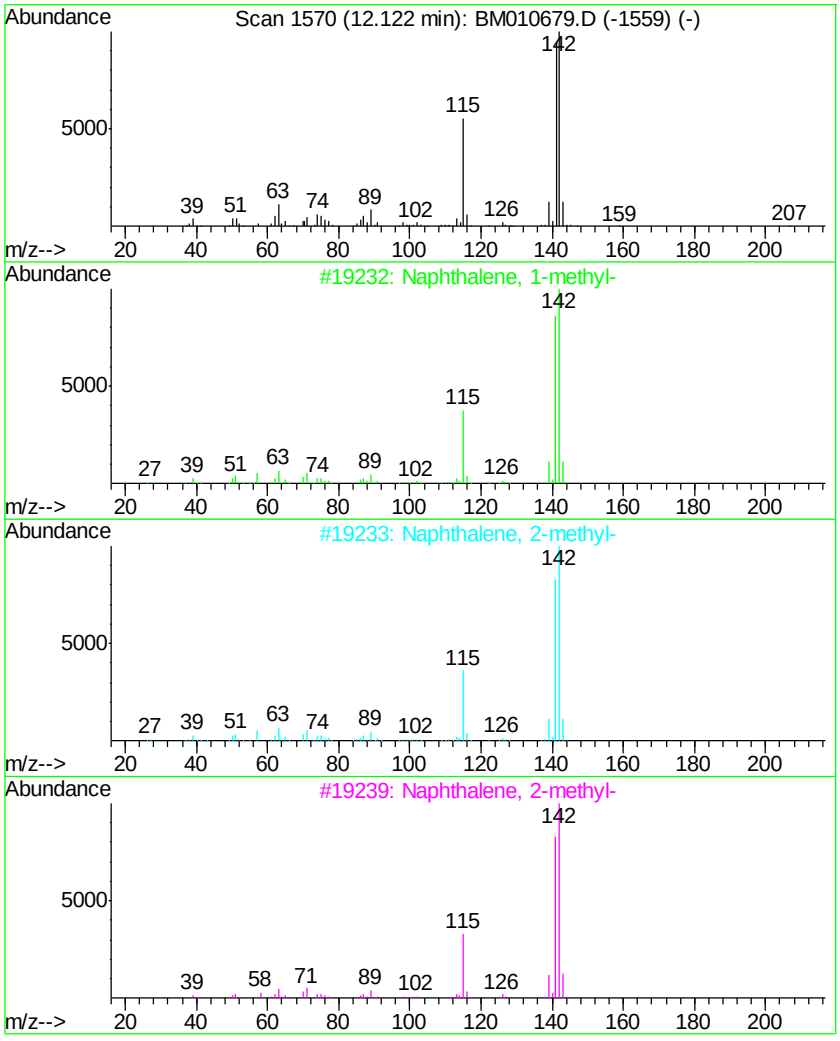
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

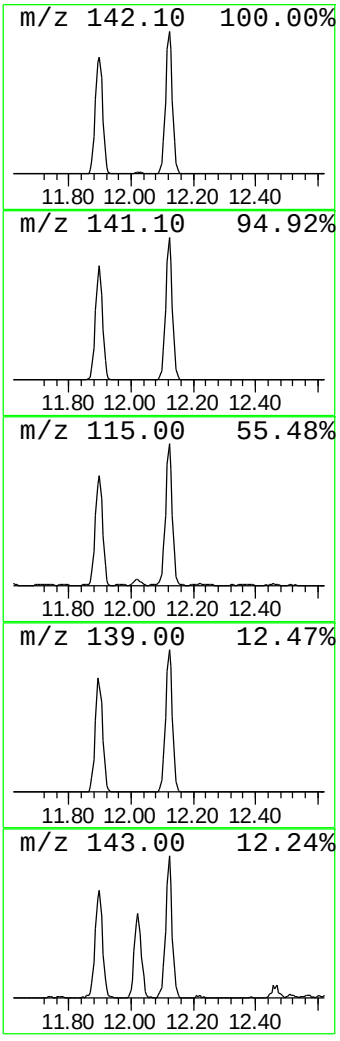
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	33.60 ng/ul	1613930	Naphthalene-d8	10.22

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	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010679.D
Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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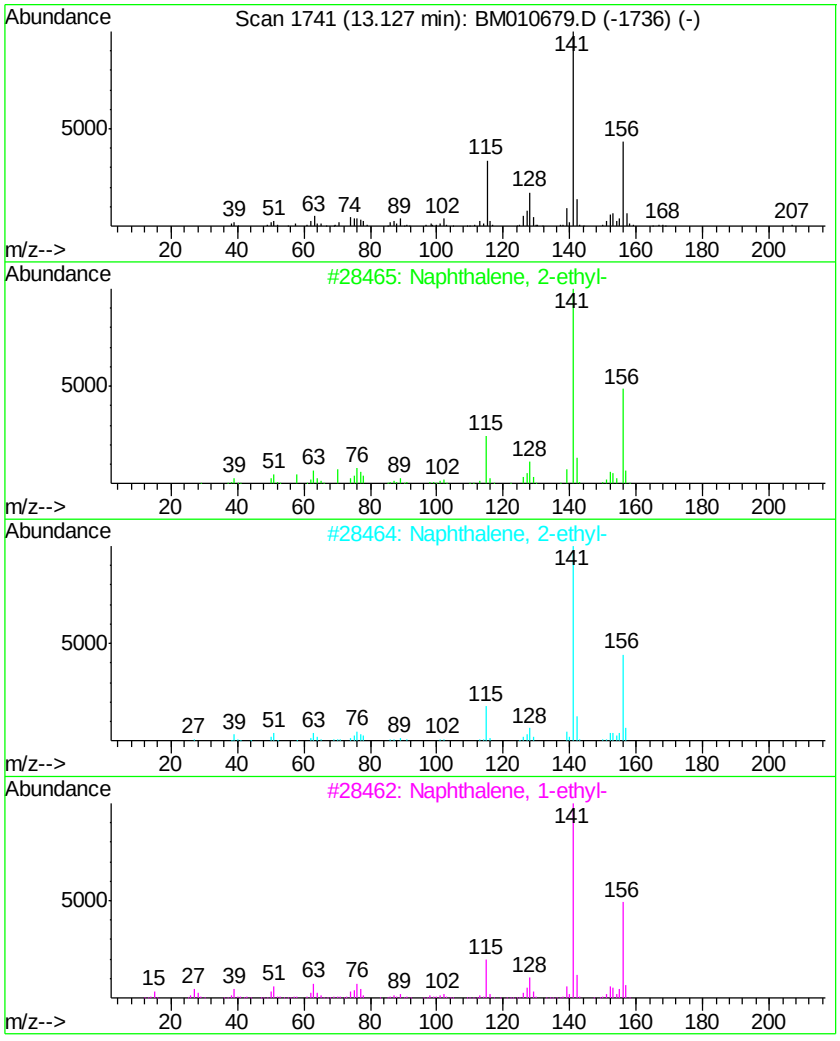
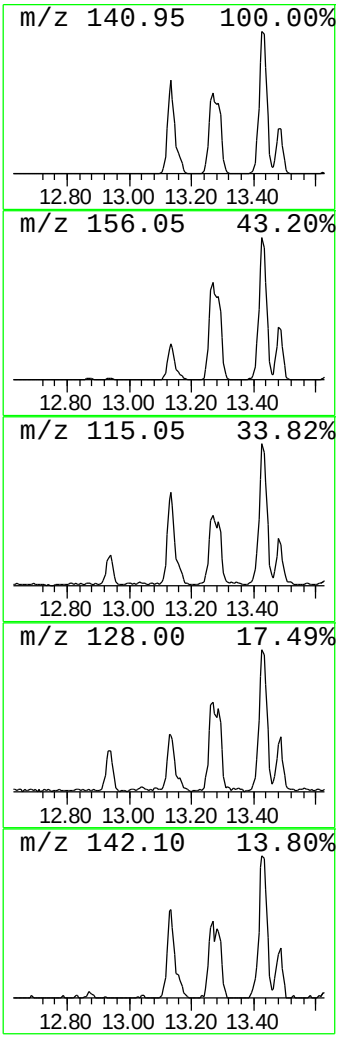
Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	8.15 ng/ul	774370	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
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Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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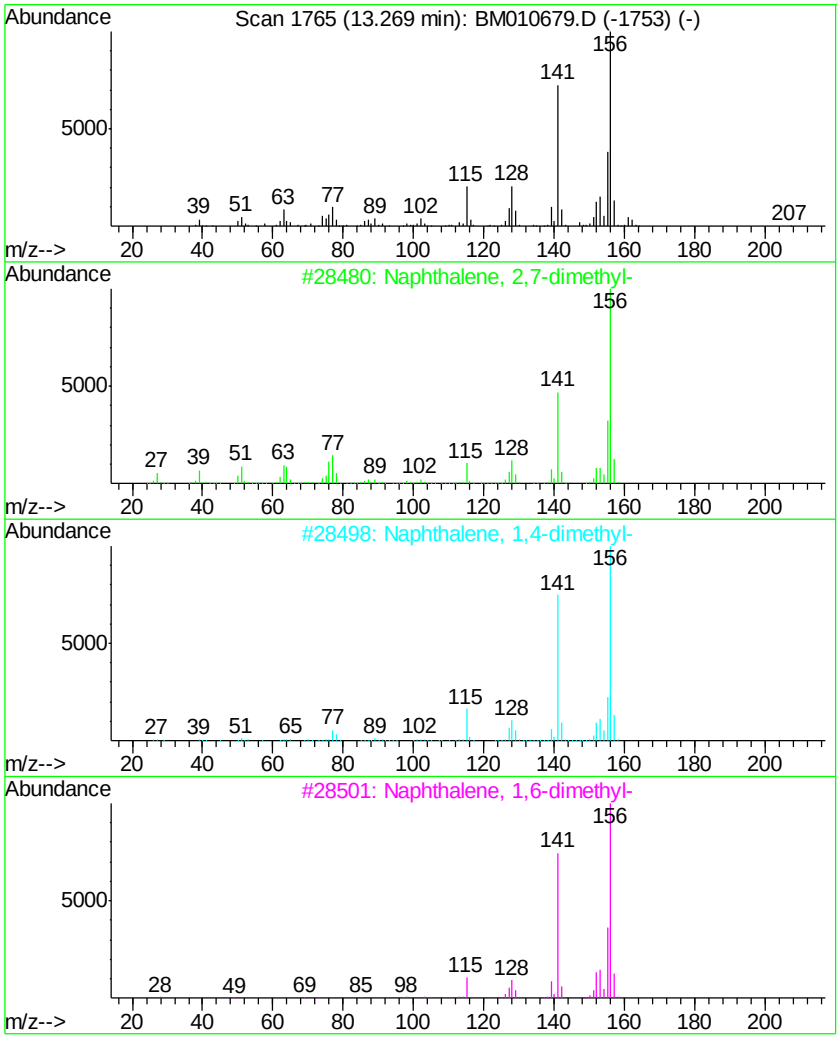
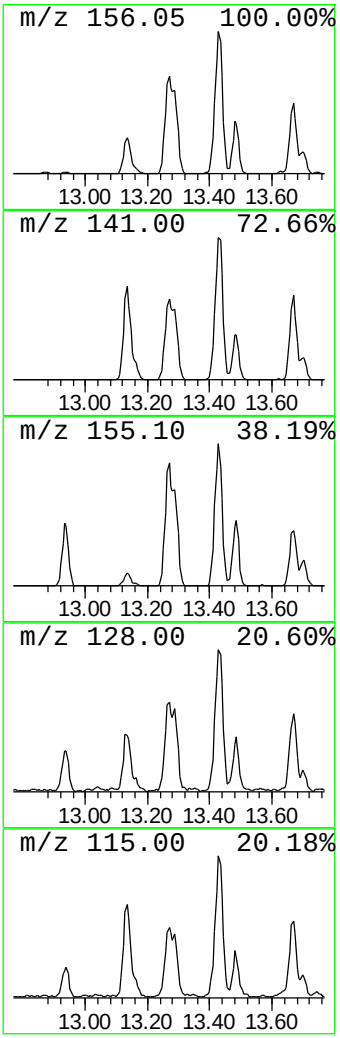
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	11.70 ng/ul	1112600	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
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Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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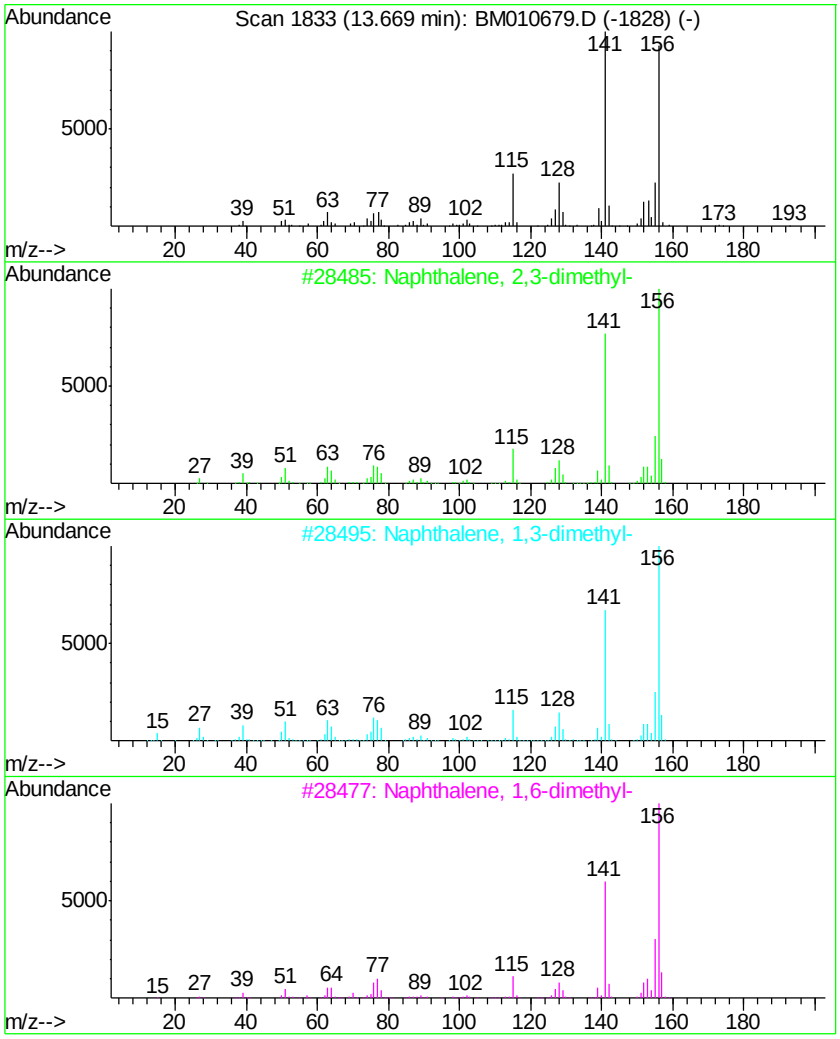
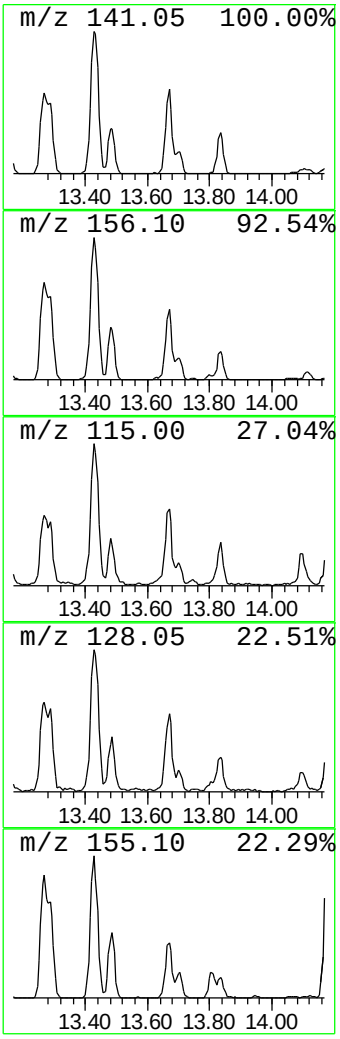
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	7.07 ng/ul	671849	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010679.D
Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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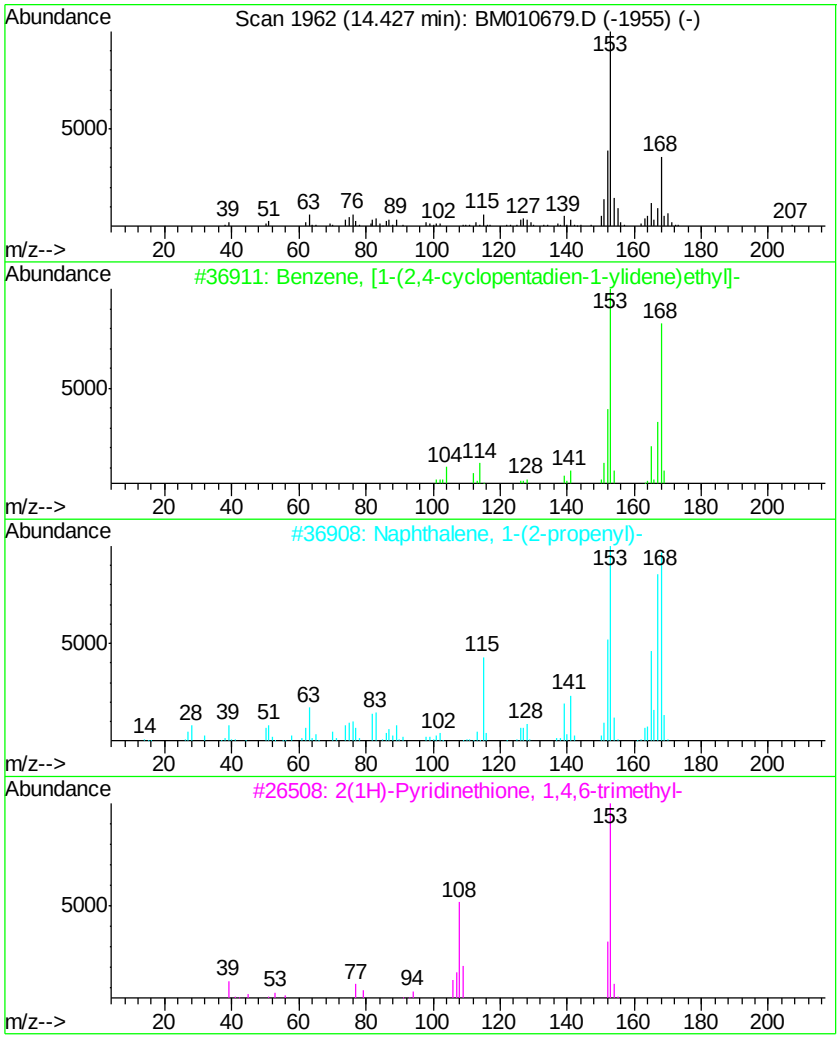
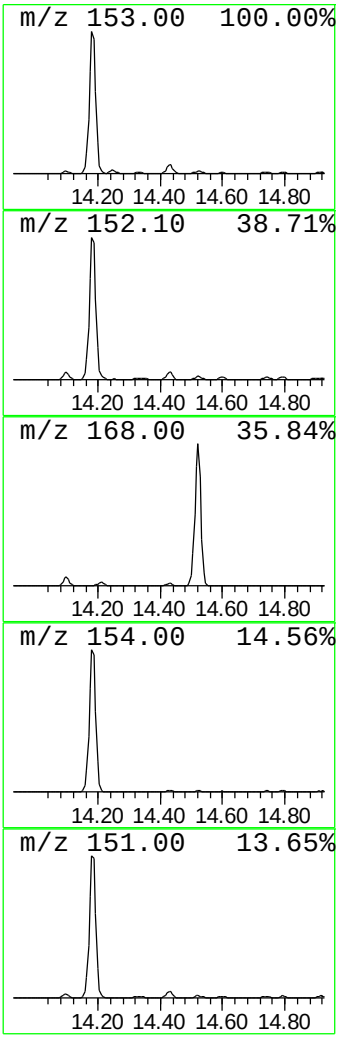
Peak Number 7 Benzene, [1-(2,4-cyclopenta... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	4.42 ng/ul	420435	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	58
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	45
5	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	43





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Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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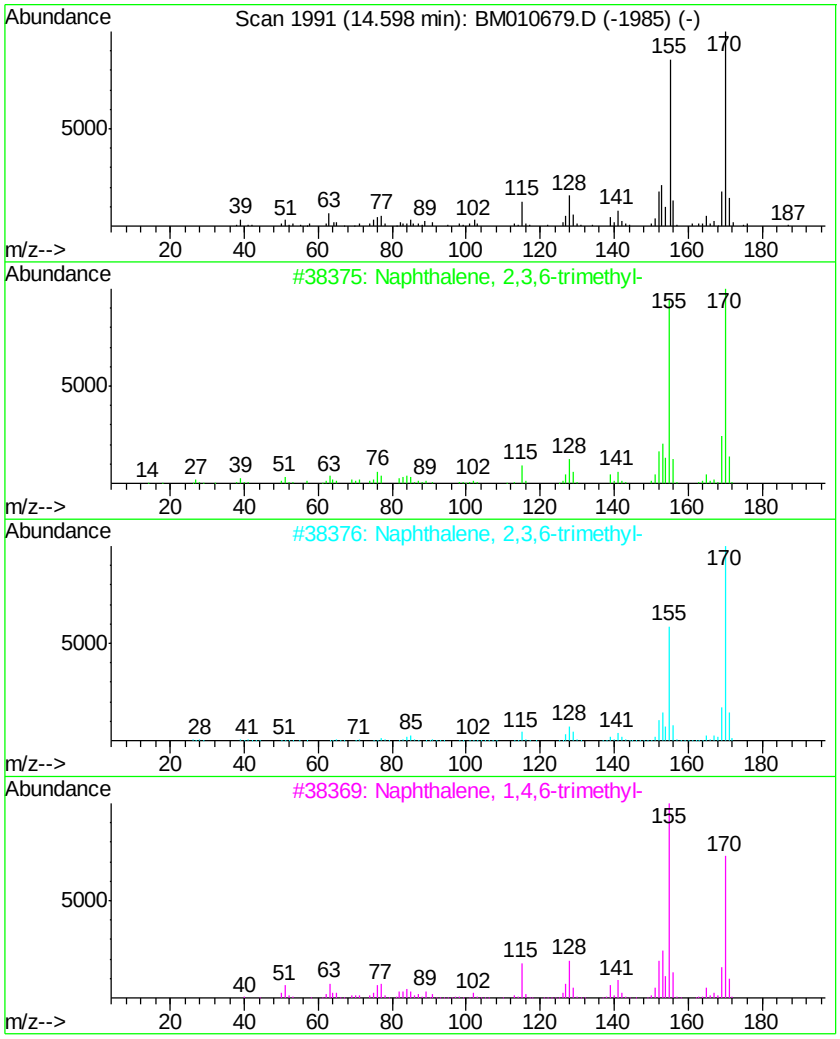
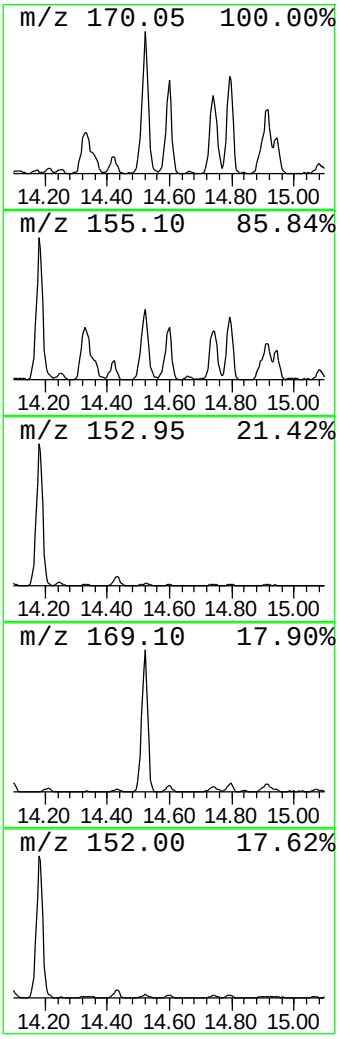
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	3.10 ng/ul	294308	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

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Quant Title : SVOA CALIBRATION

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

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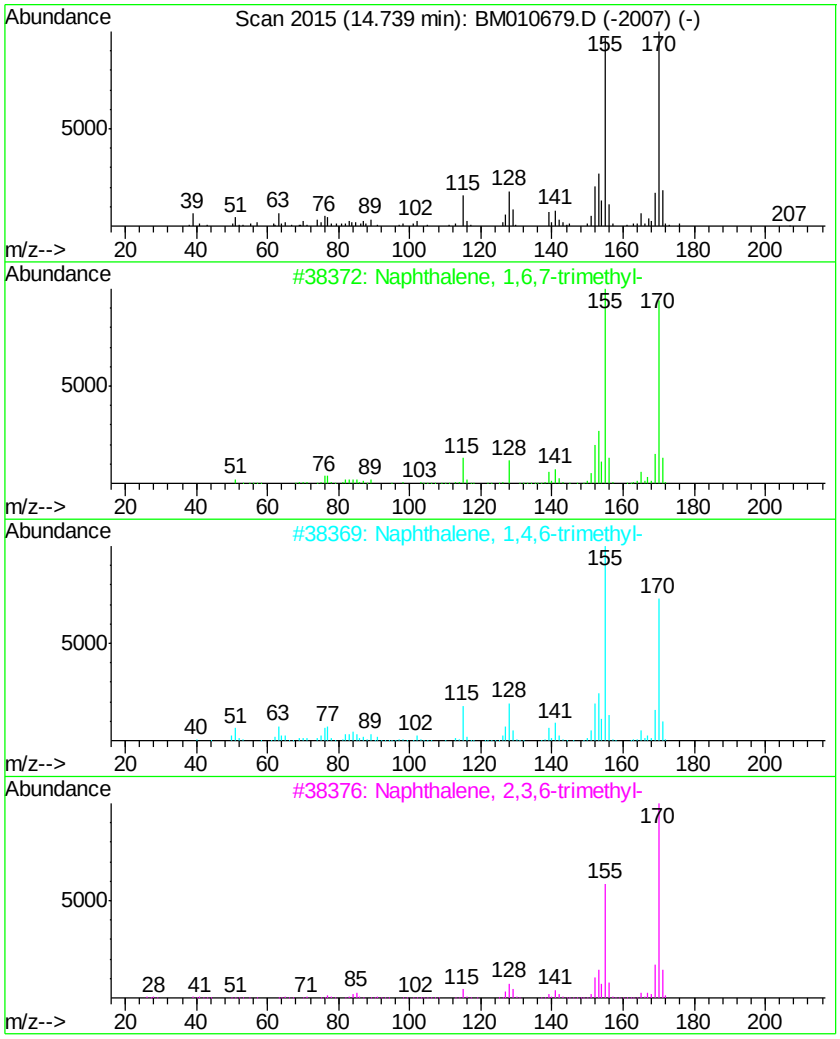
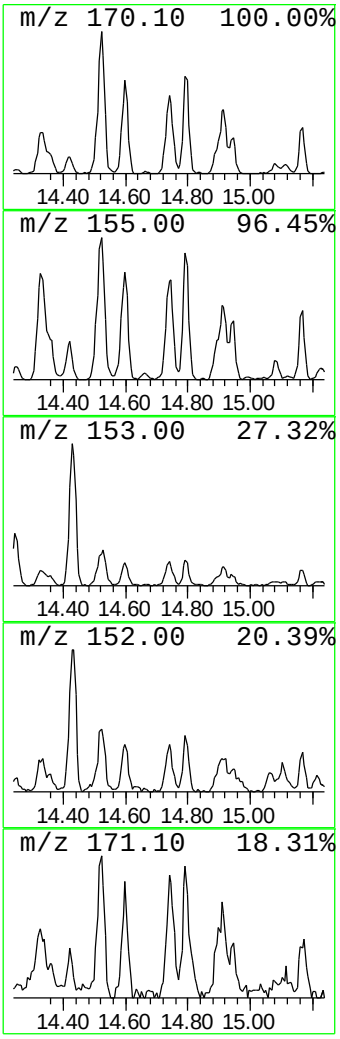
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	4.16 ng/ul	395458	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	95





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Sample : I3653-07 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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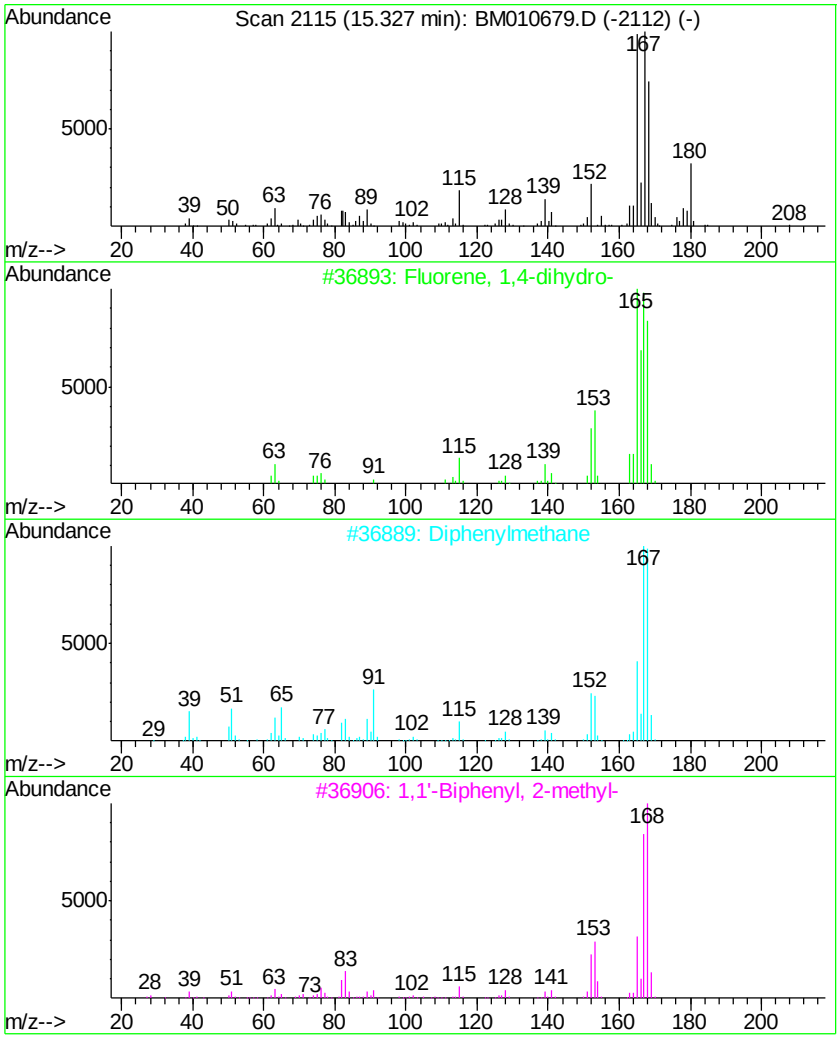
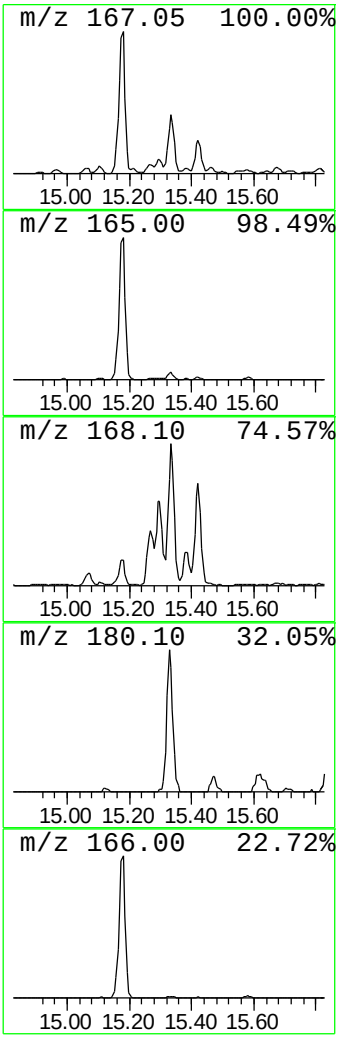
Peak Number 12 Fluorene, 1,4-dihydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	10.13 ng/ul	962524	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	78
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53
4	Diphenylmethane	168	C13H12	000101-81-5	49
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	46





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Sample : I3653-07 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F5C50

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Quant Title : SVOA CALIBRATION

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

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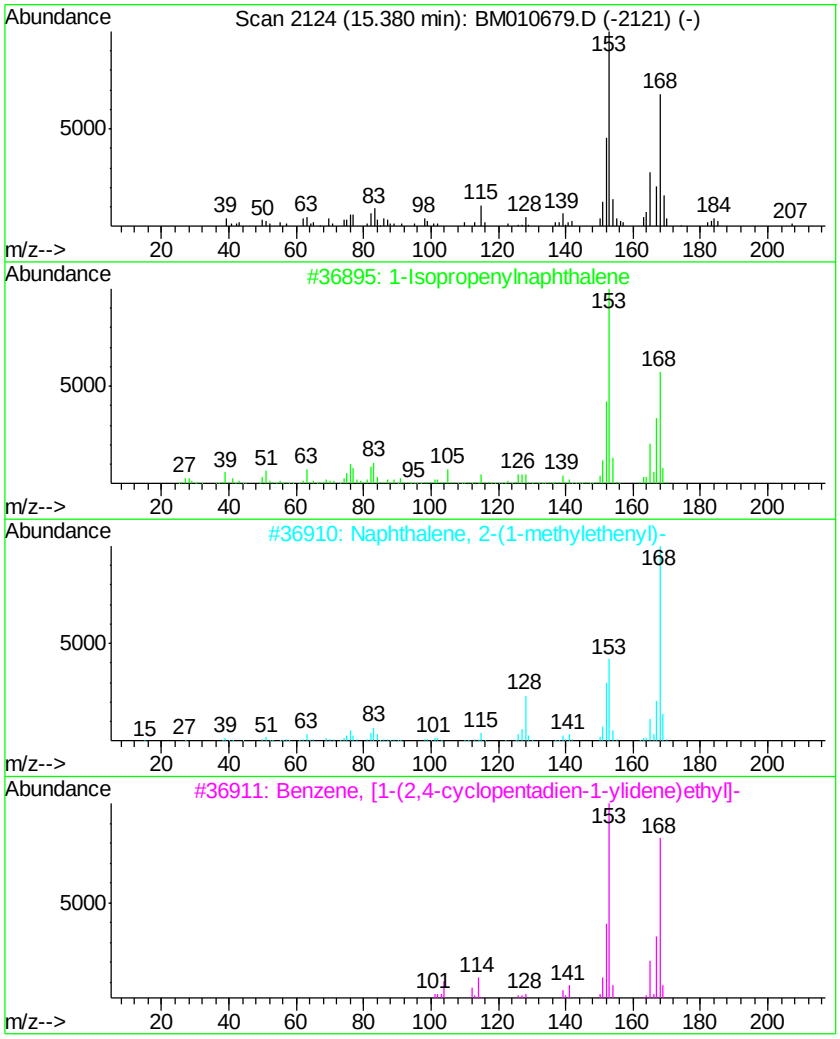
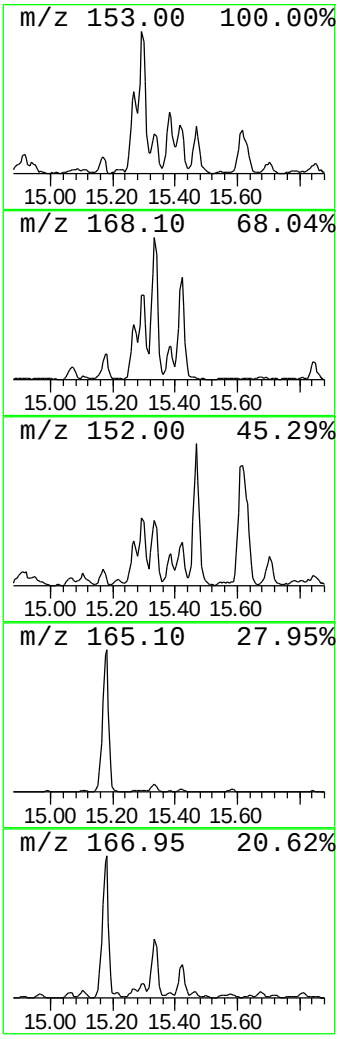
Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	2.71 ng/ul	257427	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
4	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	49
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





Library Search Compound Report

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Sample : I3653-07 5X
Misc :
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Quant Title : SVOA CALIBRATION

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

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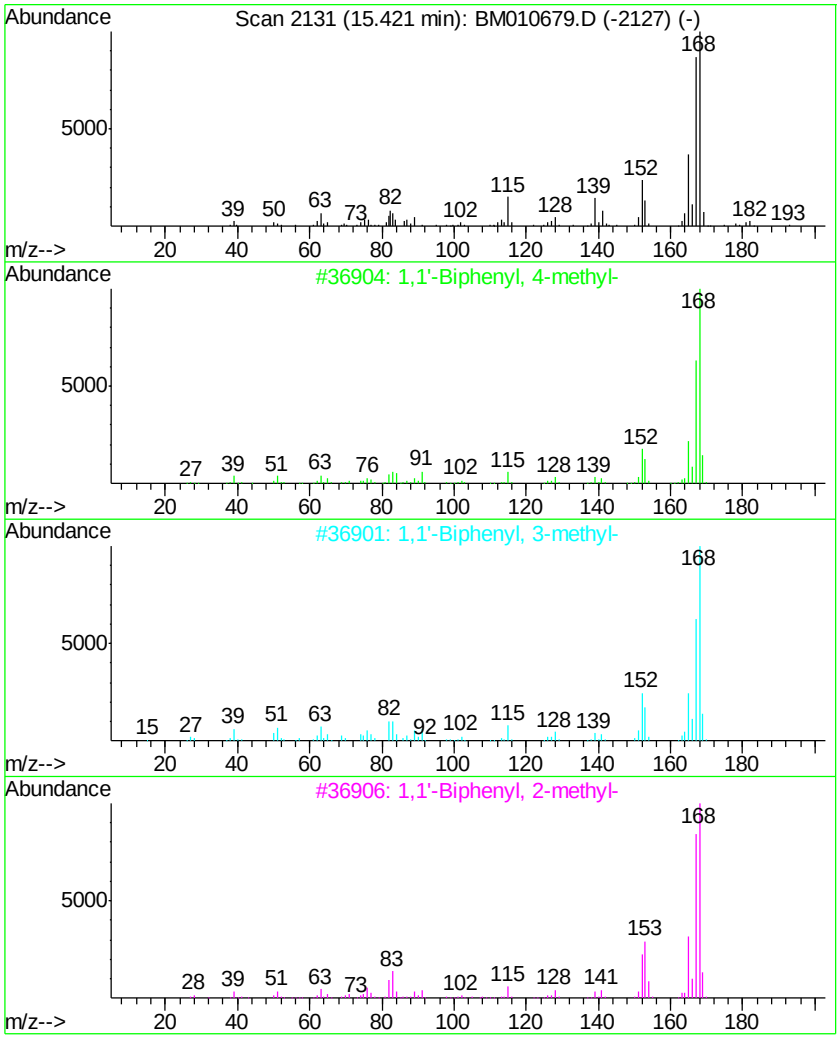
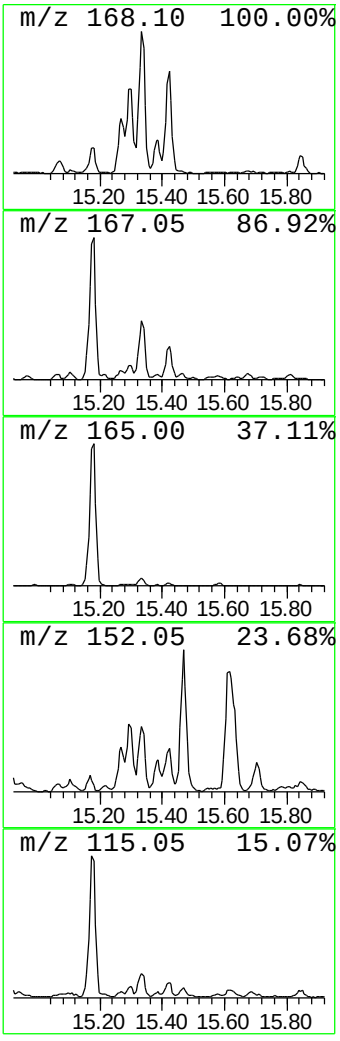
Peak Number 14 1,1'-Biphenyl, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	5.49 ng/ul	522208	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	74
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
4	Diphenylmethane	168	C13H12	000101-81-5	72
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72





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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

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Quant Title : SVOA CALIBRATION

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

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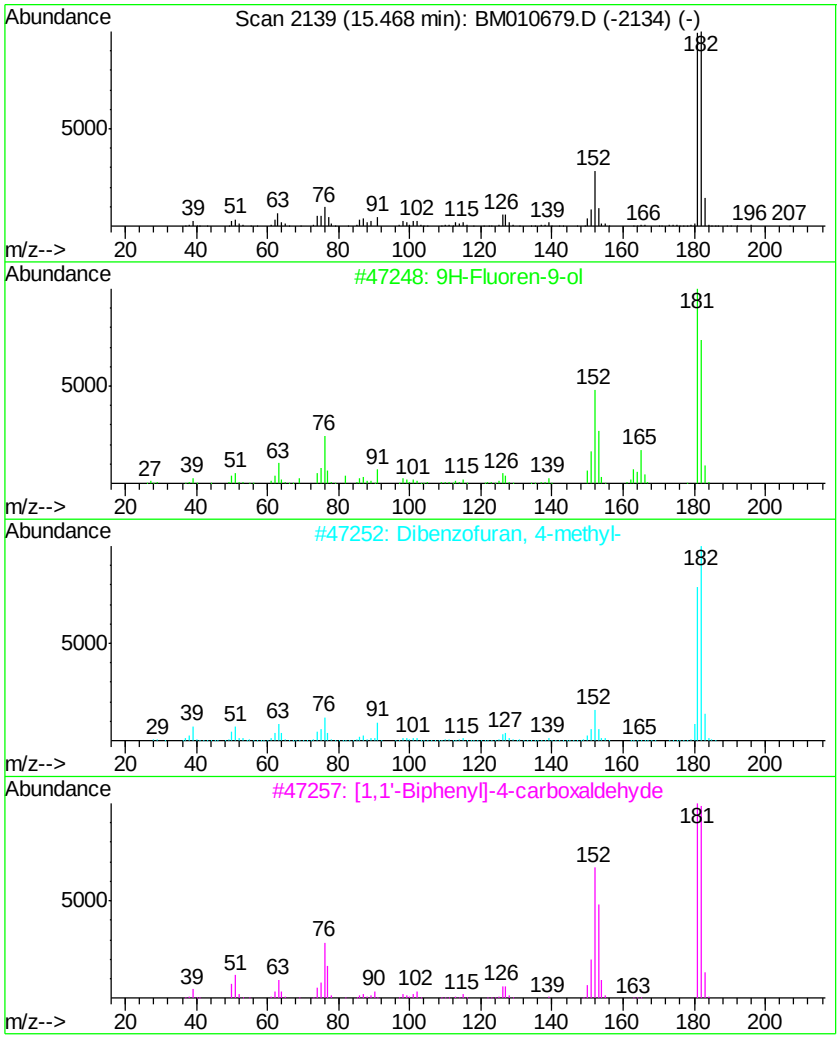
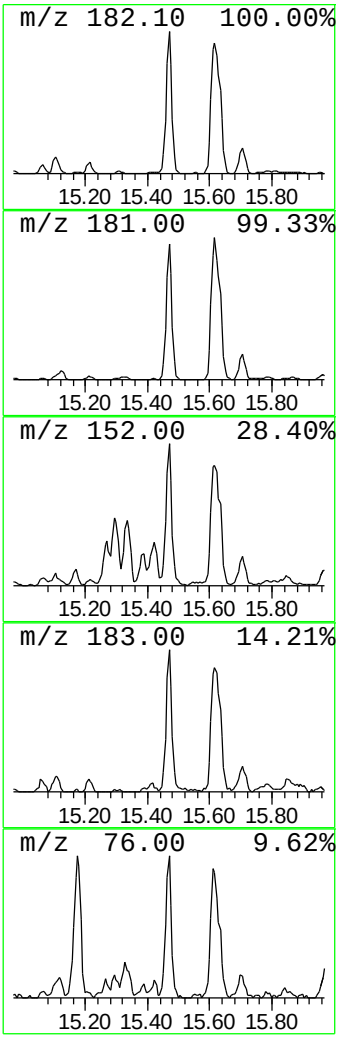
Peak Number 15 9H-Fluoren-9-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	13.55 ng/ul	1287710	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Sample : I3653-07 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F5C50

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Quant Title : SVOA CALIBRATION

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

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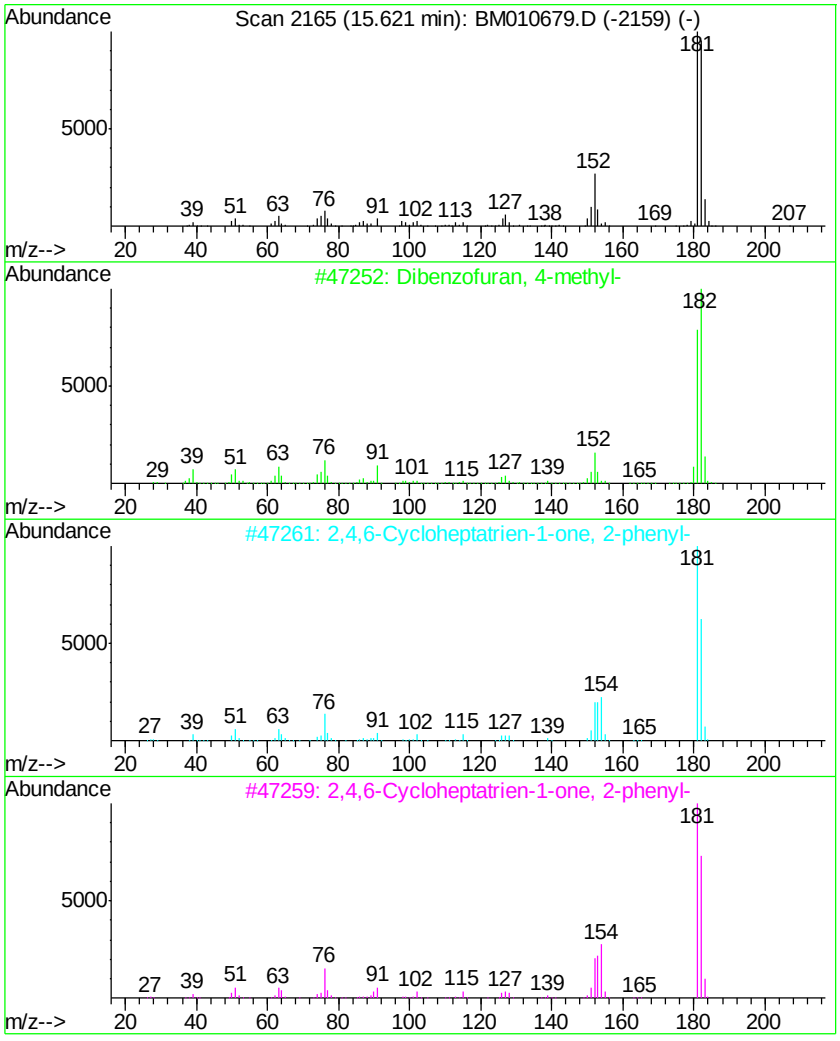
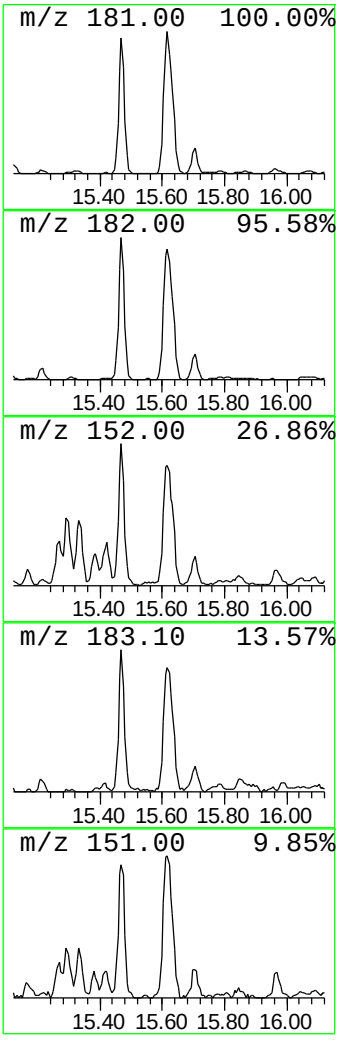
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	21.57 ng/ul	1735840	Phenanthrene-d10	16.87

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	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83





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Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

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Quant Title : SVOA CALIBRATION

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

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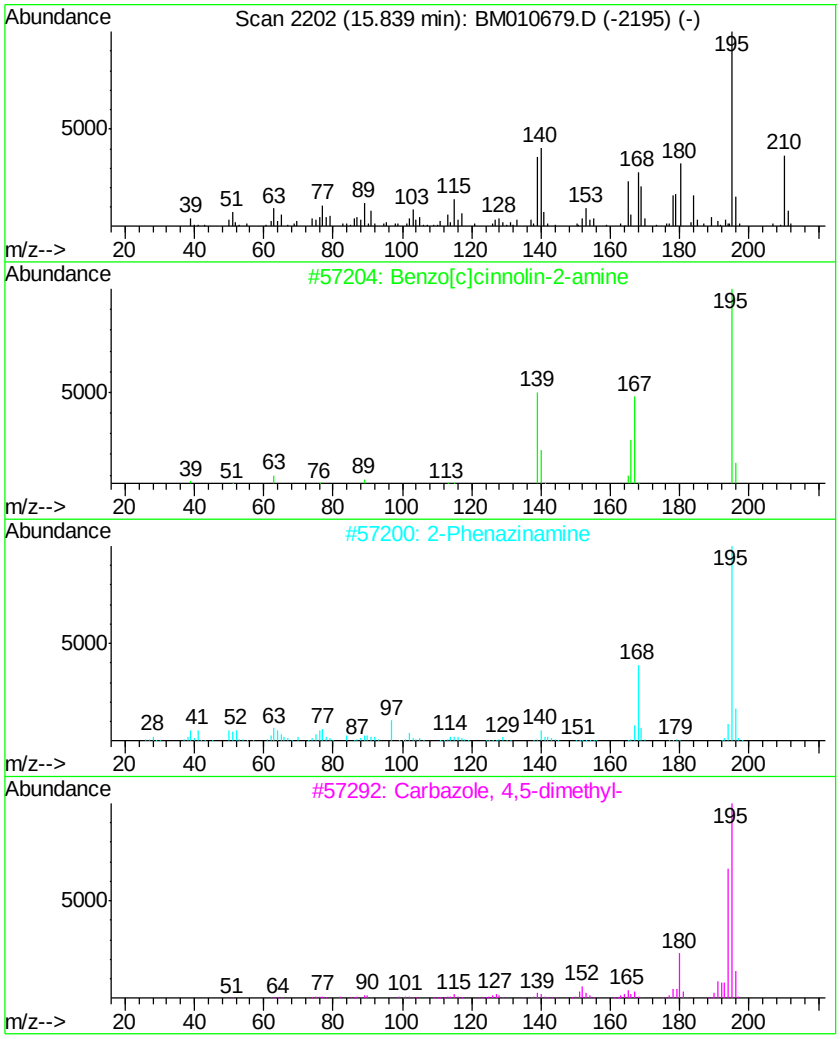
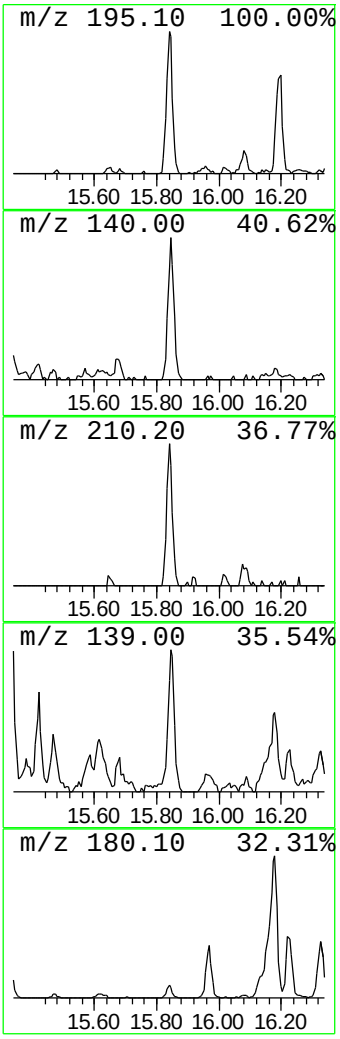
Peak Number 18 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	4.70 ng/ul	377991	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	41
2	2-Phenazinamine	195	C12H9N3	002876-23-5	30
3	Carbazole, 4,5-dimethyl-	195	C14H13N	018992-66-0	25
4	5H-Indeno[1,2-b]pyridin-5-one, 3...	195	C13H9NO	1000337-74-0	25
5	Carbazole, 2,5-dimethyl-	195	C14H13N	078787-79-8	25





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Misc :
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Quant Title : SVOA CALIBRATION

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

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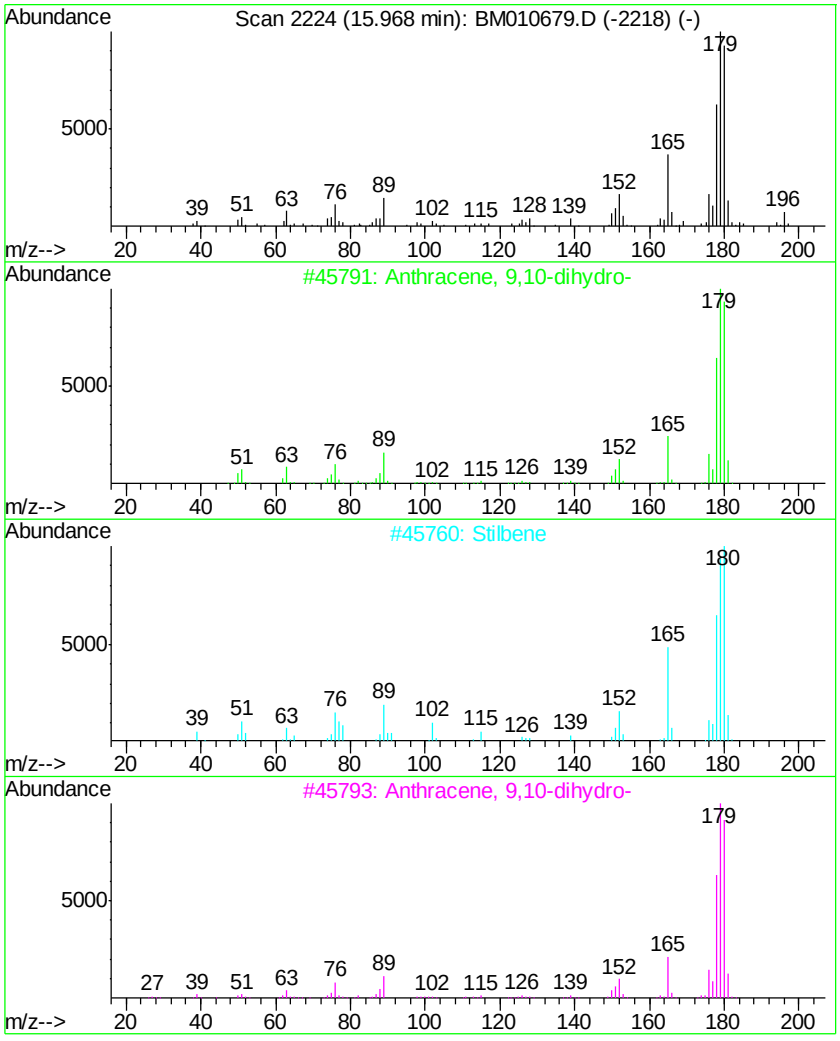
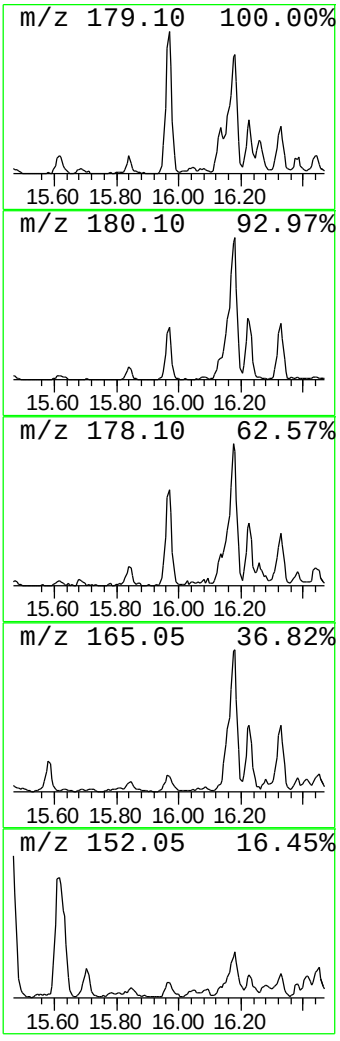
Peak Number 19 Anthracene, 9,10-dihydro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	4.90 ng/ul	394323	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
2	Stilbene	180	C14H12	000588-59-0	93
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
4	(E)-Stilbene	180	C14H12	000103-30-0	93
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91





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Instrument : BNA_M
ClientSampleId : F5C50

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Quant Title : SVOA CALIBRATION

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

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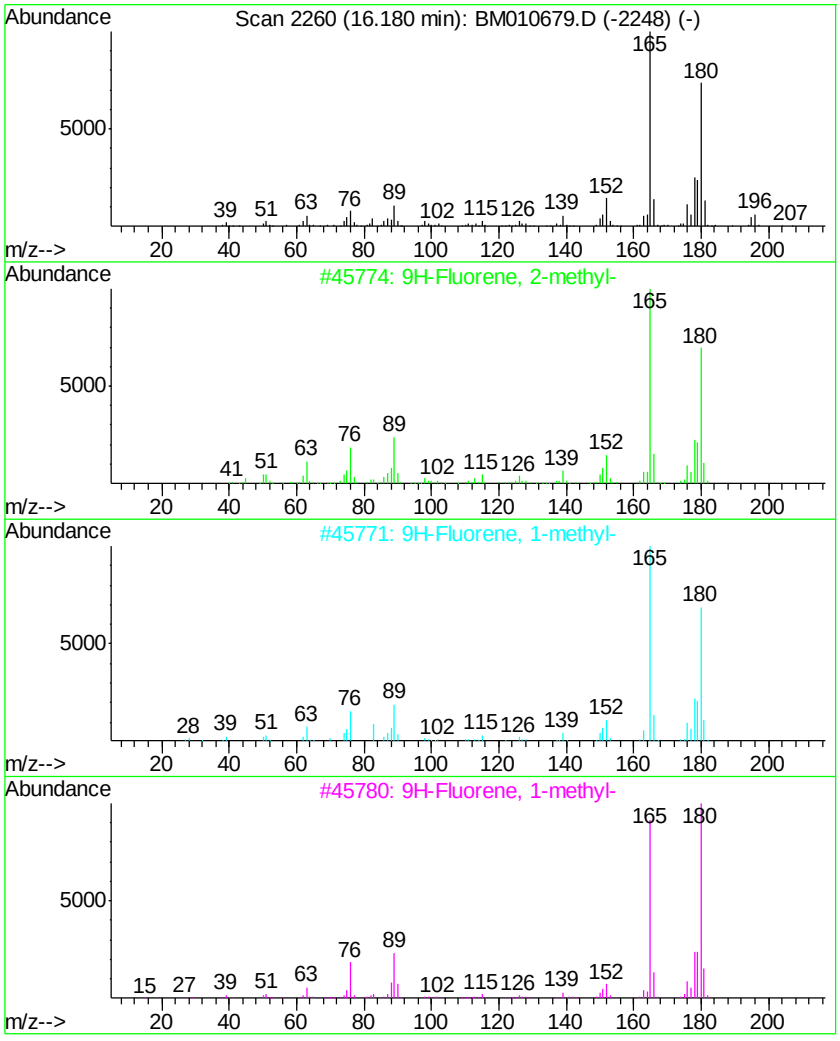
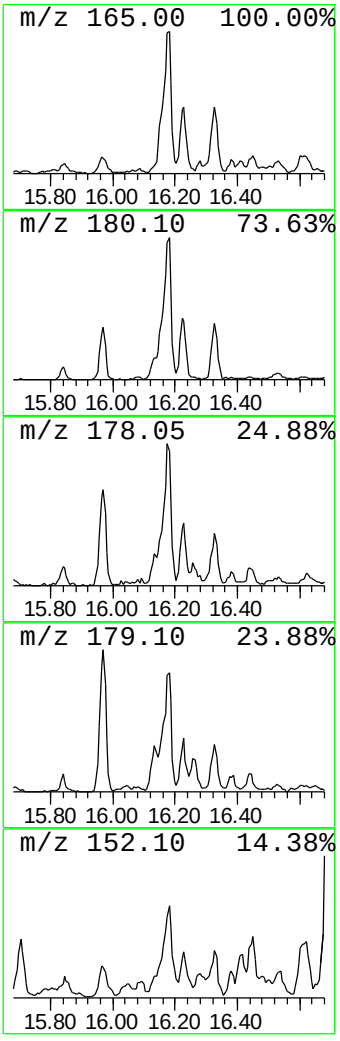
Peak Number 20 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	16.51 ng/ul	1328760	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





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Quant Title : SVOA CALIBRATION

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

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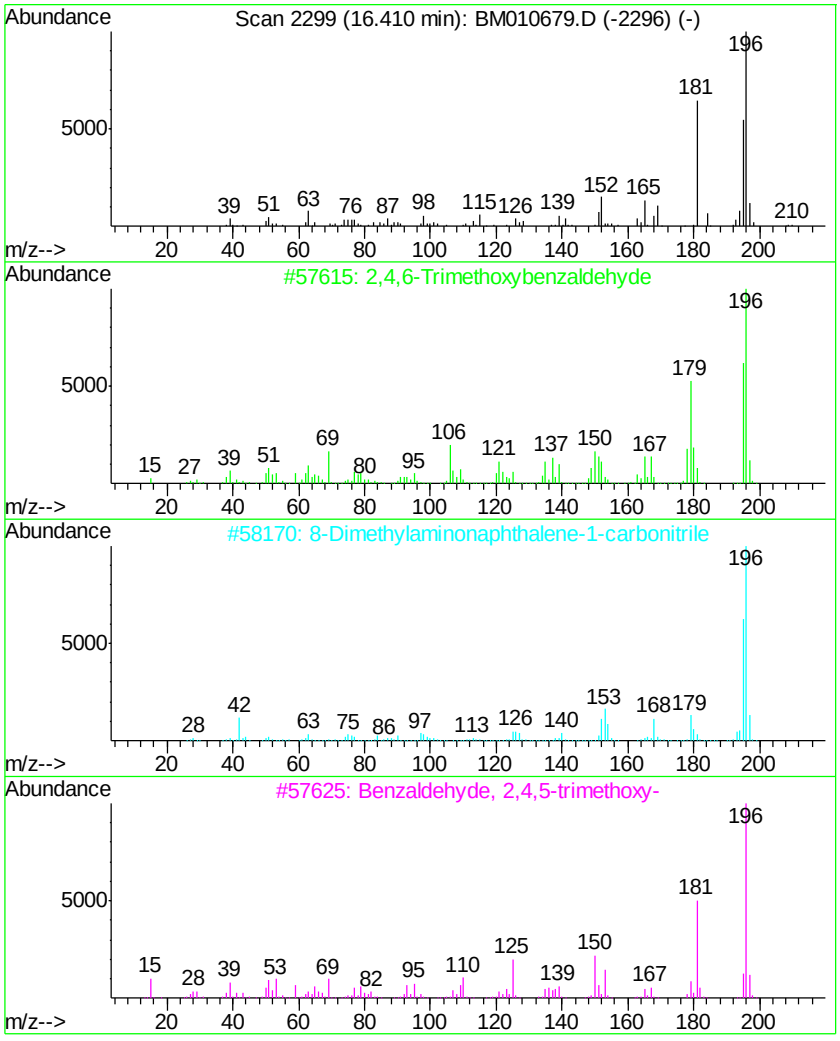
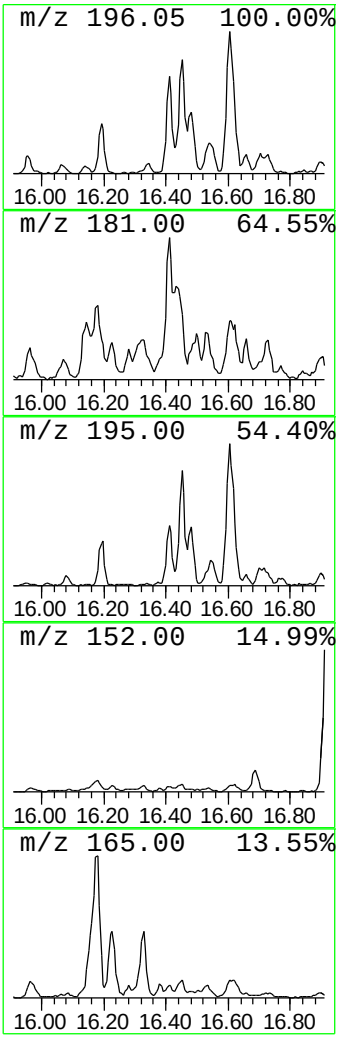
Peak Number 23 2,4,6-Trimethoxybenzaldehyde Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	3.20 ng/ul	257299	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	64
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	62
3	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	53
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	50





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Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

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Quant Title : SVOA CALIBRATION

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

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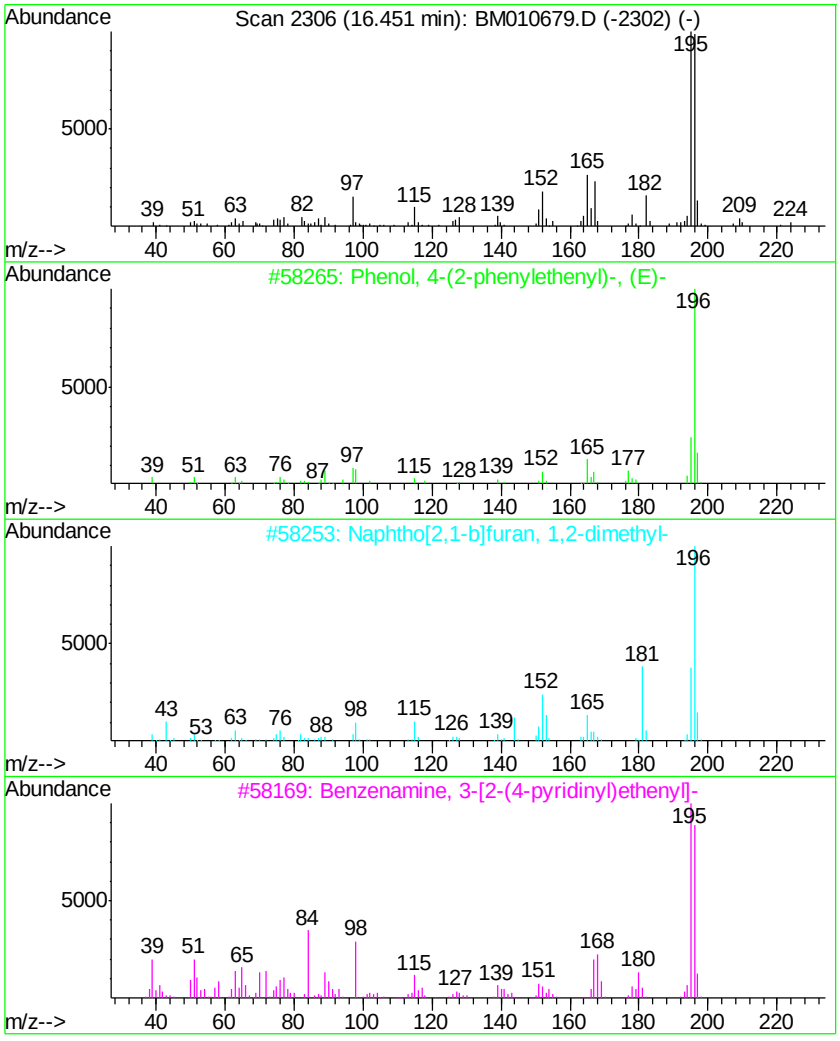
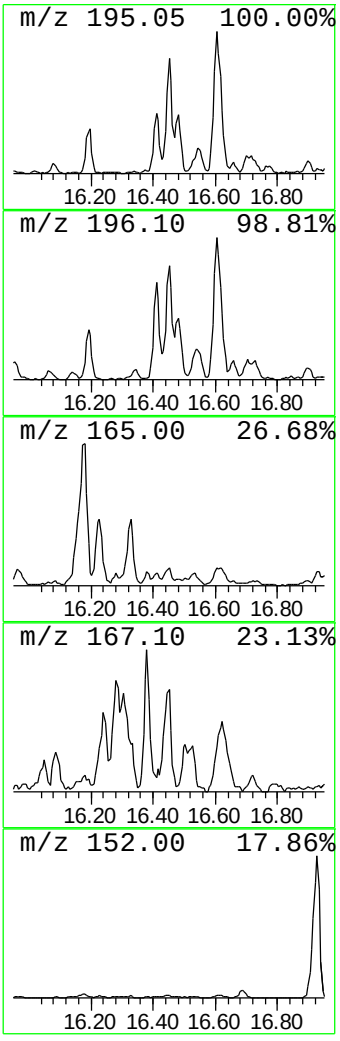
Peak Number 24 Phenol, 4-(2-phenylethenyl)... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	3.95 ng/ul	317612	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	55
3	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	53
4	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	53
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50





Library Search Compound Report

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Data File : BM010679.D
Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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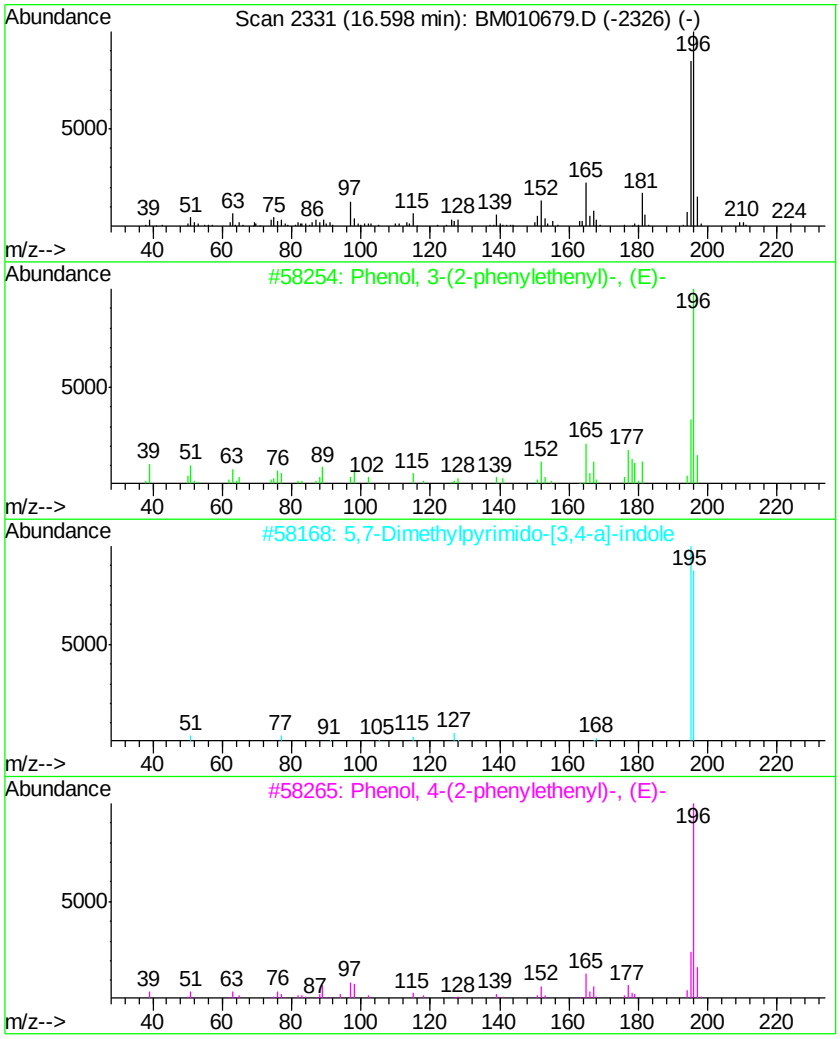
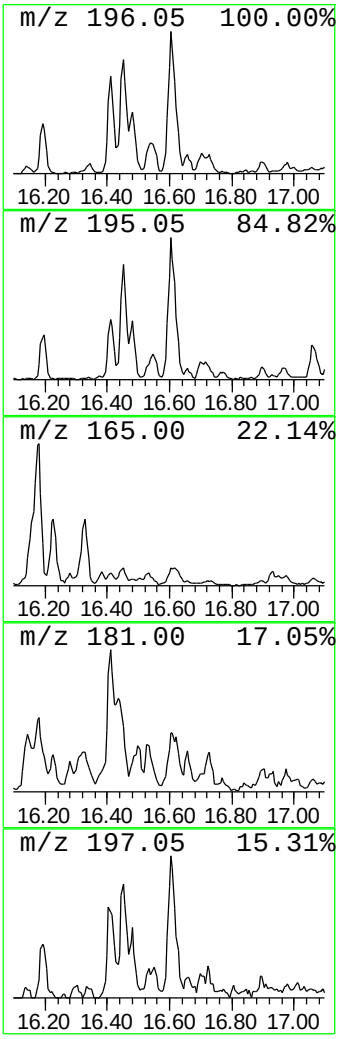
Peak Number 25 Phenol, 3-(2-phenylethenyl)... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	9.21 ng/ul	740908	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	62
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	52
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Xanthene, 9,9-dimethyl-	210	C15H14O	019814-75-6	49
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49





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Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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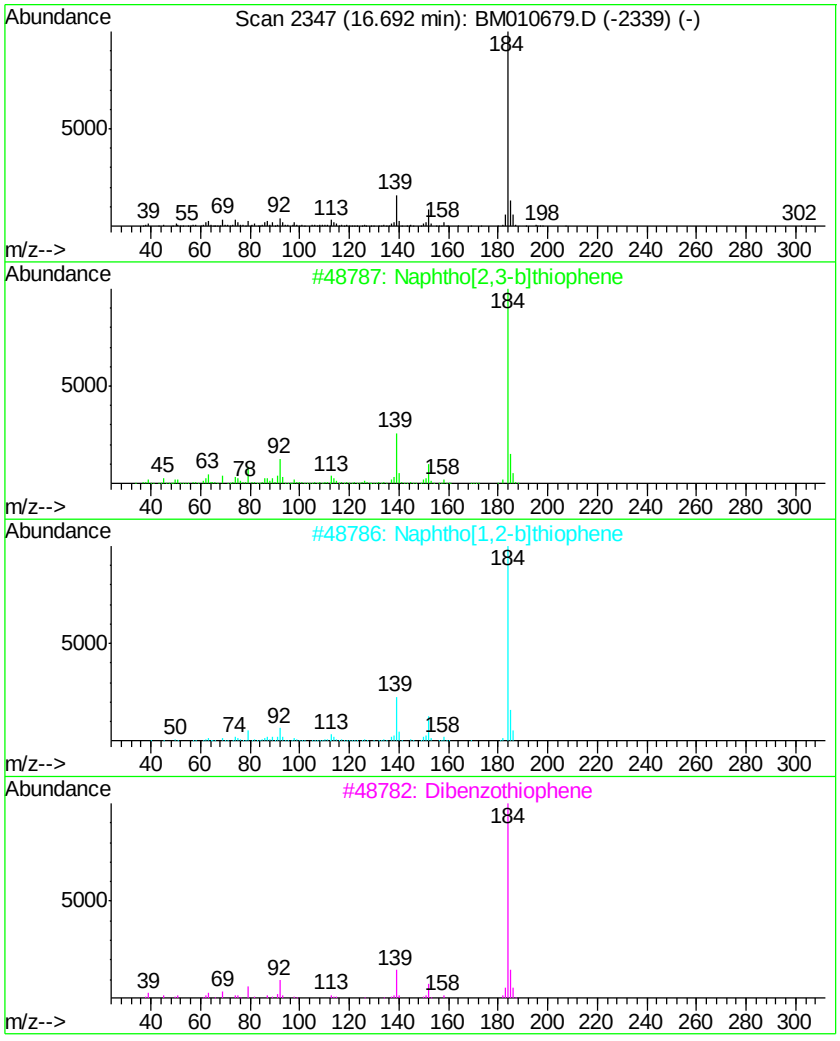
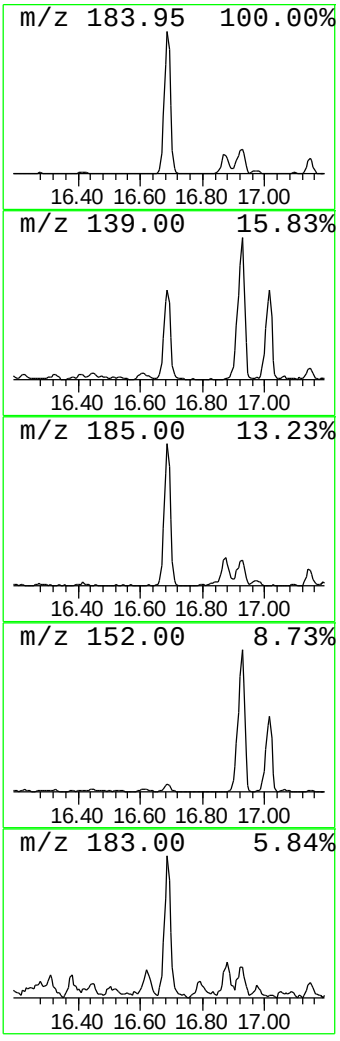
Peak Number 26 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	17.04 ng/ul	1371460	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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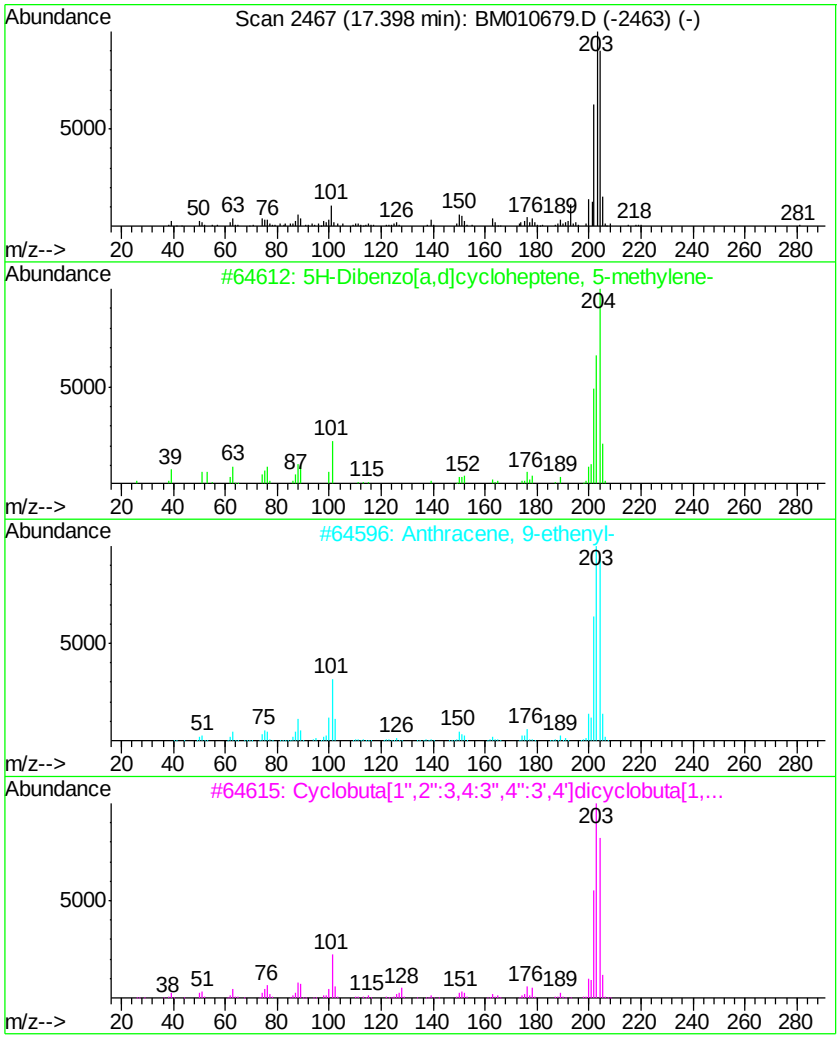
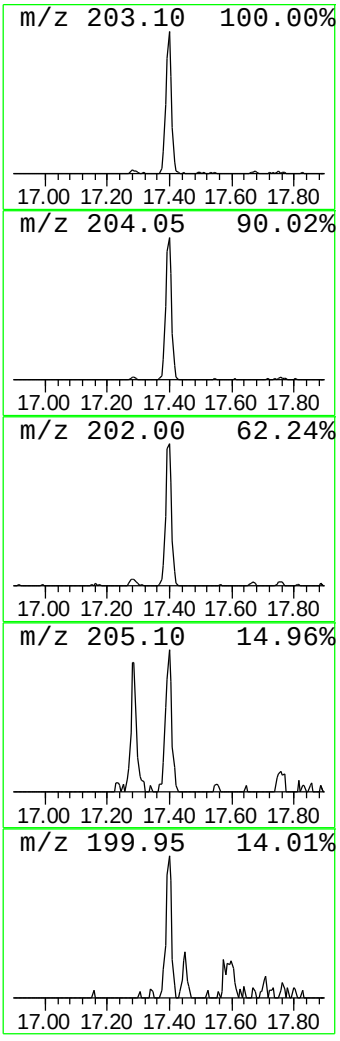
Peak Number 27 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	4.26 ng/ul	342432	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	91
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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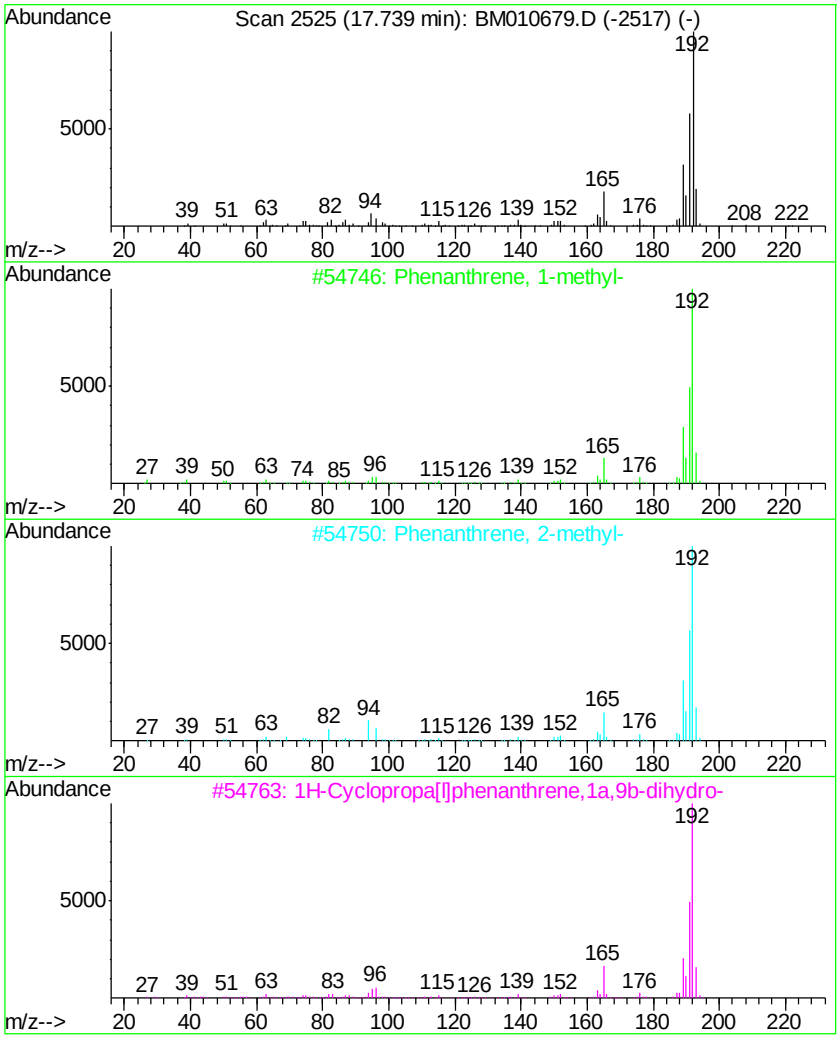
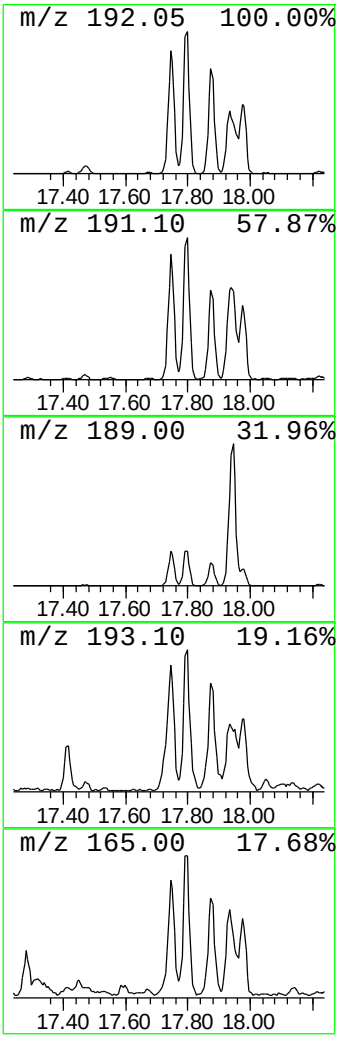
Peak Number 28 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	20.57 ng/ul	1655050	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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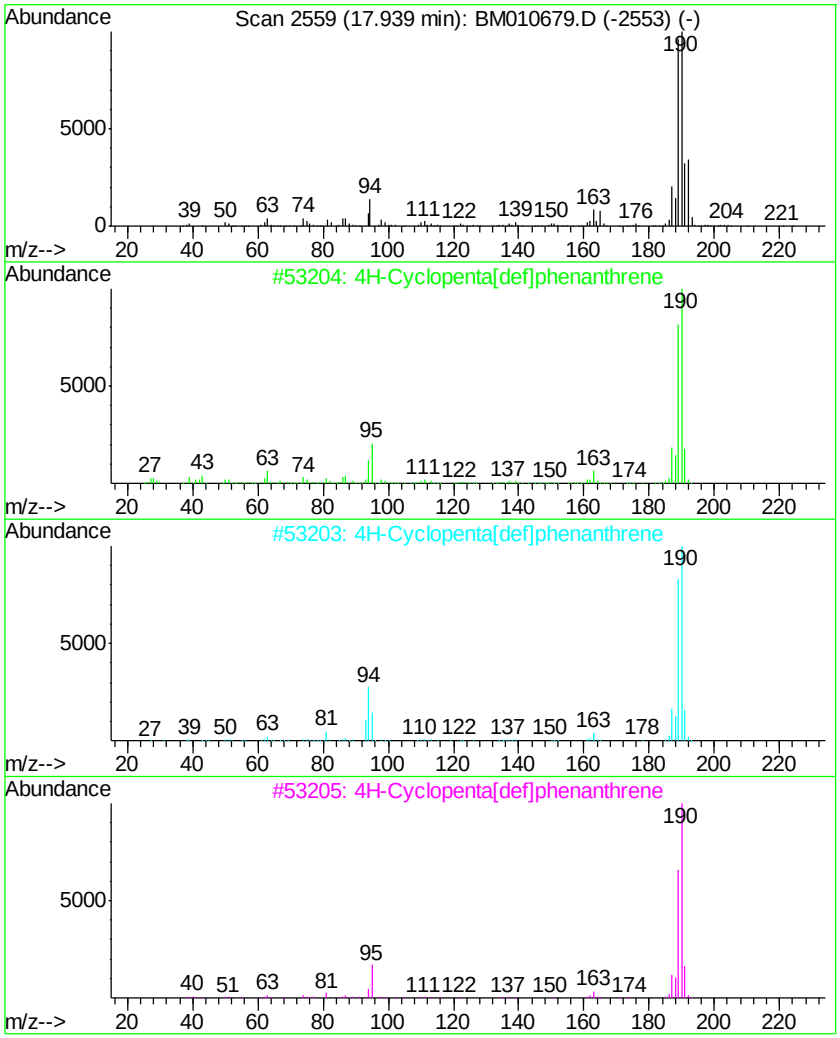
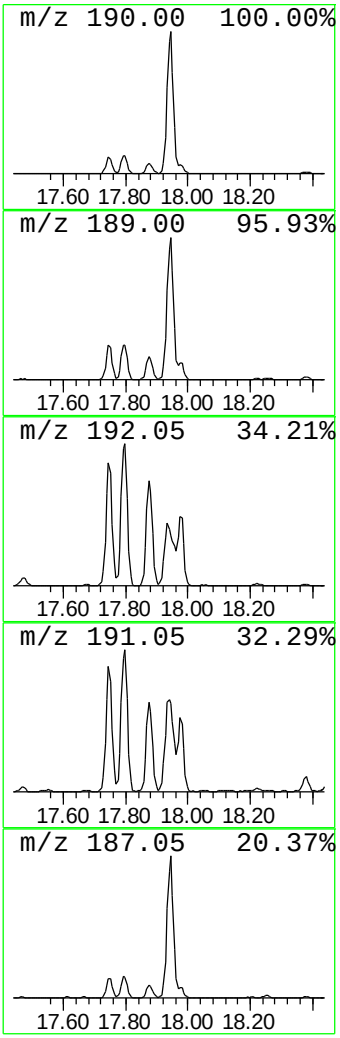
Peak Number 31 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	39.02 ng/ul	3139480	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





Tentatively Identified Compound (LSC) summary

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Acq On : 23 Jun 2017 02:44
Operator : SJ/JU
Sample : I3653-07 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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...	12.12	33.6	ng/ul	1613930	2	10.22	960762	20.0
Naphthalene, 2-et...	13.13	8.2	ng/ul	774370	3	14.12	1901280	20.0
Naphthalene, 2,7-...	13.27	11.7	ng/ul	1112600	3	14.12	1901280	20.0
Naphthalene, 2,3-...	13.67	7.1	ng/ul	671849	3	14.12	1901280	20.0
Benzene, [1-(2,4-...	14.43	4.4	ng/ul	420435	3	14.12	1901280	20.0
Naphthalene, 2,3,...	14.60	3.1	ng/ul	294308	3	14.12	1901280	20.0
Naphthalene, 1,6,...	14.74	4.2	ng/ul	395458	3	14.12	1901280	20.0
Fluorene, 1,4-dih...	15.33	10.1	ng/ul	962524	3	14.12	1901280	20.0
1-Isopropenylnaph...	15.38	2.7	ng/ul	257427	3	14.12	1901280	20.0
1,1'-Biphenyl, 4-...	15.42	5.5	ng/ul	522208	3	14.12	1901280	20.0
9H-Fluoren-9-ol	15.47	13.6	ng/ul	1287710	3	14.12	1901280	20.0
Dibenzofuran, 4-m...	15.62	21.6	ng/ul	1735840	4	16.87	1609320	20.0
unknown-01	15.84	4.7	ng/ul	377991	4	16.87	1609320	20.0
Anthracene, 9,10-...	15.97	4.9	ng/ul	394323	4	16.87	1609320	20.0
9H-Fluorene, 2-me...	16.18	16.5	ng/ul	1328760	4	16.87	1609320	20.0
2,4,6-Trimethoxyb...	16.41	3.2	ng/ul	257299	4	16.87	1609320	20.0
Phenol, 4-(2-phen...	16.45	4.0	ng/ul	317612	4	16.87	1609320	20.0
Phenol, 3-(2-phen...	16.60	9.2	ng/ul	740908	4	16.87	1609320	20.0
Naphtho[2,3-b]thi...	16.69	17.0	ng/ul	1371460	4	16.87	1609320	20.0
5H-Dibenzo[a,d]cy...	17.40	4.3	ng/ul	342432	4	16.87	1609320	20.0
Phenanthrene, 1-m...	17.74	20.6	ng/ul	1655050	4	16.87	1609320	20.0
4H-Cyclopenta[def...	17.94	39.0	ng/ul	3139480	4	16.87	1609320	20.0