LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010677.D
Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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	364153	575731	1.48%	0.233%
2	7.828	834	840	848	rBV	672291	1029398	2.65%	0.417%
3	7.987	858	867	879	rVB	775967	1220993	3.15%	0.495%
4	9.639	1138	1148	1158	rBV4	313857	850738	2.19%	0.345%
5	10.233	1241	1249	1251	rBV	444144	821573	2.12%	0.333%
6	10.304	1251	1261	1266	rVV	20727718	38790021	100.00%	15.710%
7	10.398	1266	1277	1287	rVB	930772	1660820	4.28%	0.673%
8	11.910	1520	1534	1540	rBV	8243867	12888752	33.23%	5.220%
9	11.980	1540	1546	1550	rVV	441298	742714	1.91%	0.301%
10	12.128	1559	1571	1581	rVB	3602162	5683367	14.65%	2.302%
11	12.939	1701	1709	1715	rBV	1648564	2418469	6.23%	0.979%
12	13.133	1736	1742	1754	rVB	582784	1050693	2.71%	0.426%
13	13.269	1754	1765	1767	rBV2	951721	1577859	4.07%	0.639%
14	13.433	1785	1793	1798	rBV	1299002	2309873	5.95%	0.936%
15	13.486	1798	1802	1807	rVB	852209	1175055	3.03%	0.476%
16	13.669	1827	1833	1836	rBV	564514	814841	2.10%	0.330%
17	13.833	1857	1861	1867	rVB2	422796	650591	1.68%	0.263%
18	14.104	1900	1907	1914	rBV3	1008799	2166173	5.58%	0.877%
19	14.186	1914	1921	1928	rVV	6972744	9896005	25.51%	4.008%
20	14.245	1928	1931	1938	rVB	305306	446827	1.15%	0.181%
21	14.327	1938	1945	1954	rBV2	213254	486757	1.25%	0.197%
22	14.427	1954	1962	1967	rVB3	310173	606598	1.56%	0.246%
23	14.521	1967	1978	1985	rVB	5446371	7796563	20.10%	3.158%
24	14.598	1985	1991	1996	rBV	335699	462136	1.19%	0.187%
25	14.739	2006	2015	2020	rBV2	246285	451106	1.16%	0.183%
26	14.916	2036	2045	2048	rBV	209827	412374	1.06%	0.167%
27	15.110	2074	2078	2083	rVB4	277948	450026	1.16%	0.182%
28	15.180	2083	2090	2094	rBV	6978253	9751986	25.14%	3.950%
29	15.263	2099	2104	2107	rBV4	285073	463281	1.19%	0.188%
30	15.298	2107	2110	2113	rVV	393433	559826	1.44%	0.227%
31	15.333	2113	2116	2121	rVB	803494	1038935	2.68%	0.421%
32	15.421	2127	2131	2134	rVB	352788	439931	1.13%	0.178%
33	15.468	2134	2139	2148	rVB	1124253	1589271	4.10%	0.644%
34	15.616	2148	2164	2172	rBV	1172206	2467640	6.36%	0.999%

LSC Area Percent Report

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Data File : BM010677.D
Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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	15.704	2172	2179	2187	rVB2	215295	392241	1.01%	0.159%
36	15.998	2217	2229	2230	rBV3	143738	390942	1.01%	0.158%
37	16.051	2230	2238	2249	rVB3	341568	1053347	2.72%	0.427%
38	16.180	2249	2260	2264	rBV2	723056	1564282	4.03%	0.634%
39	16.327	2279	2285	2290	rVB2	328226	579939	1.50%	0.235%
40	16.451	2302	2306	2309	rVB3	289316	388469	1.00%	0.157%
41	16.604	2326	2332	2338	rBV	420954	817967	2.11%	0.331%
42	16.686	2338	2346	2351	rVV	1307998	1912057	4.93%	0.774%
43	16.874	2368	2378	2380	rBV	966338	1533633	3.95%	0.621%
44	16.933	2380	2388	2392	rVV	22401930	33319443	85.90%	13.494%
45	16.974	2392	2395	2396	rVV	353171	398708	1.03%	0.161%
46	17.010	2396	2401	2406	rVB	3743903	4971166	12.82%	2.013%
47	17.280	2441	2447	2451	rBV	1865919	2492401	6.43%	1.009%
48	17.745	2521	2526	2530	rBV	1416375	1928925	4.97%	0.781%
49	17.798	2530	2535	2542	rVB	2212813	2956483	7.62%	1.197%
50	17.874	2542	2548	2553	rBV	878498	1285180	3.31%	0.521%
51	17.945	2553	2560	2564	rBV2	2560659	4293546	11.07%	1.739%
52	17.974	2564	2565	2572	rVB	734917	751255	1.94%	0.304%
53	18.256	2608	2613	2617	rVB	1051203	1376333	3.55%	0.557%
54	18.504	2647	2655	2659	rBV	306150	494821	1.28%	0.200%
55	18.674	2678	2684	2689	rBV	489200	888372	2.29%	0.360%
56	18.739	2690	2695	2699	rBV2	305880	520217	1.34%	0.211%
57	18.827	2704	2710	2717	rVB6	273399	622529	1.60%	0.252%
58	18.956	2724	2732	2736	rBV	13433661	18867146	48.64%	7.641%
59	19.186	2767	2771	2776	rBV	361043	490258	1.26%	0.199%
60	19.315	2783	2793	2801	rBV2	8274545	15332305	39.53%	6.210%
61	19.380	2801	2804	2812	rVB2	481343	812363	2.09%	0.329%
62	19.492	2812	2823	2828	rBV	659387	1037977	2.68%	0.420%
63	19.639	2840	2848	2854	rBV3	532263	1425186	3.67%	0.577%
64	19.774	2865	2871	2873	rBV3	400248	747375	1.93%	0.303%
65	19.809	2873	2877	2882	rVB	1713356	2375536	6.12%	0.962%
66	19.915	2889	2895	2899	rBV	2241513	2826513	7.29%	1.145%
67	19.968	2899	2904	2908	rVV2	733180	1192112	3.07%	0.483%
68	20.151	2931	2935	2941	rBV2	304641	503269	1.30%	0.204%
69	20.521	2994	2998	3003	rBV3	249576	475360	1.23%	0.193%
70	20.727	3027	3033	3037	rBV	594027	829753	2.14%	0.336%
71	20.768	3037	3040	3043	rVV	608493	829576	2.14%	0.336%

LSC Area Percent Report

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Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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	20.803	3043	3046	3051	rVV	367480	570642	1.47%	0.231%
73	21.074	3082	3092	3097	rVV3	4020557	7220204	18.61%	2.924%
74	21.121	3097	3100	3107	rVB	2376364	3079939	7.94%	1.247%
75	21.239	3116	3120	3127	rBV	605031	795028	2.05%	0.322%
76	21.392	3141	3146	3151	rBV2	342705	551113	1.42%	0.223%
77	21.621	3179	3185	3189	rVV	420213	640088	1.65%	0.259%
78	21.839	3219	3222	3227	rVB3	353549	498214	1.28%	0.202%
79	22.592	3344	3350	3355	rBV	1094800	2387827	6.16%	0.967%
80	22.892	3394	3401	3406	rBV2	267265	523693	1.35%	0.212%
81	23.039	3421	3426	3431	rBV	495732	885427	2.28%	0.359%
82	23.133	3437	3442	3450	rVB	757325	1352207	3.49%	0.548%
83	23.227	3450	3458	3462	rVV	809389	1510332	3.89%	0.612%
84	25.327	3808	3815	3823	rVB3	170097	473370	1.22%	0.192%

Sum of corrected areas: 246911992

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Misc :
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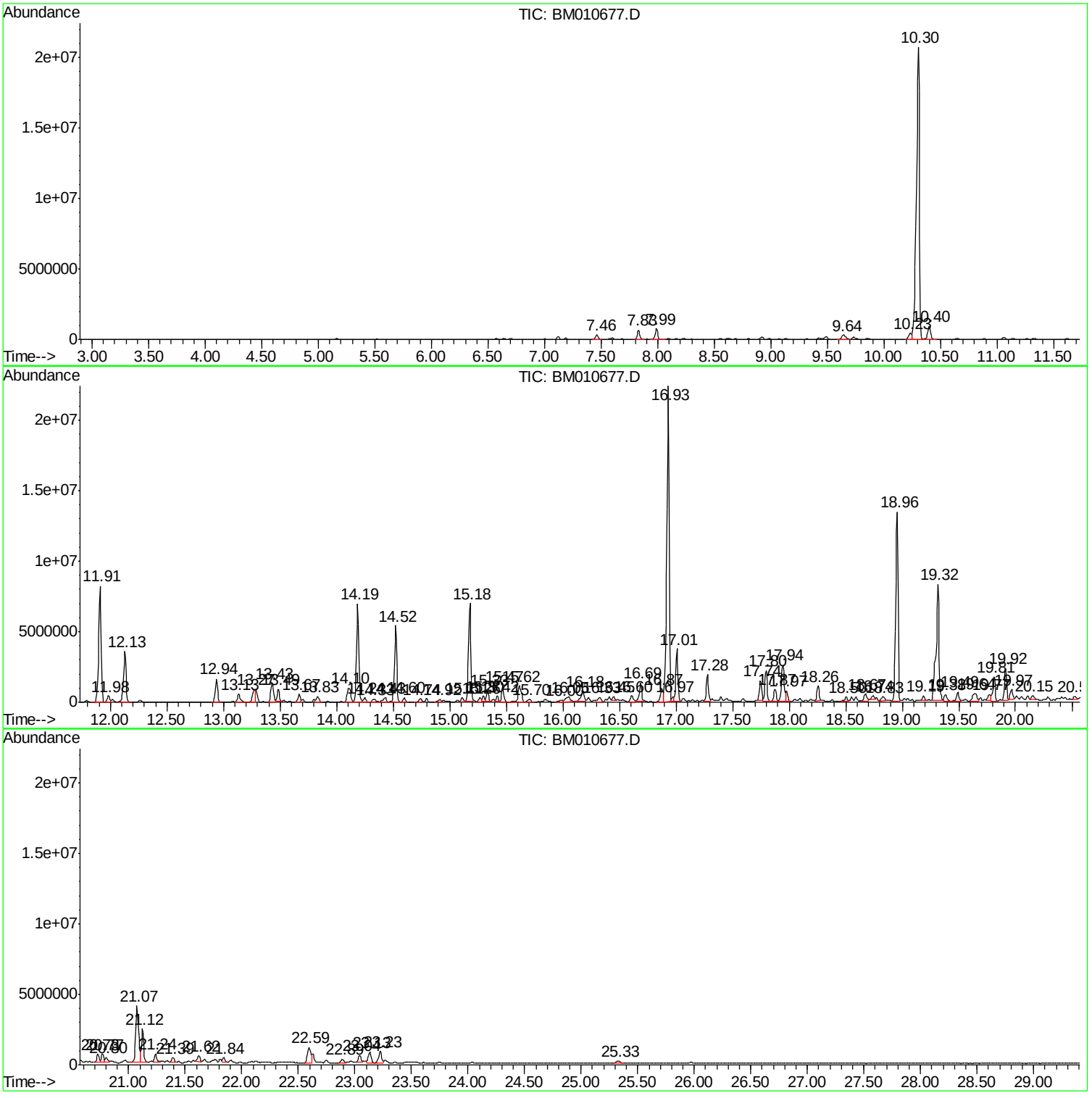
Instrument :
BNA_M
ClientSampleId :
F5B21

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010677.D
Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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

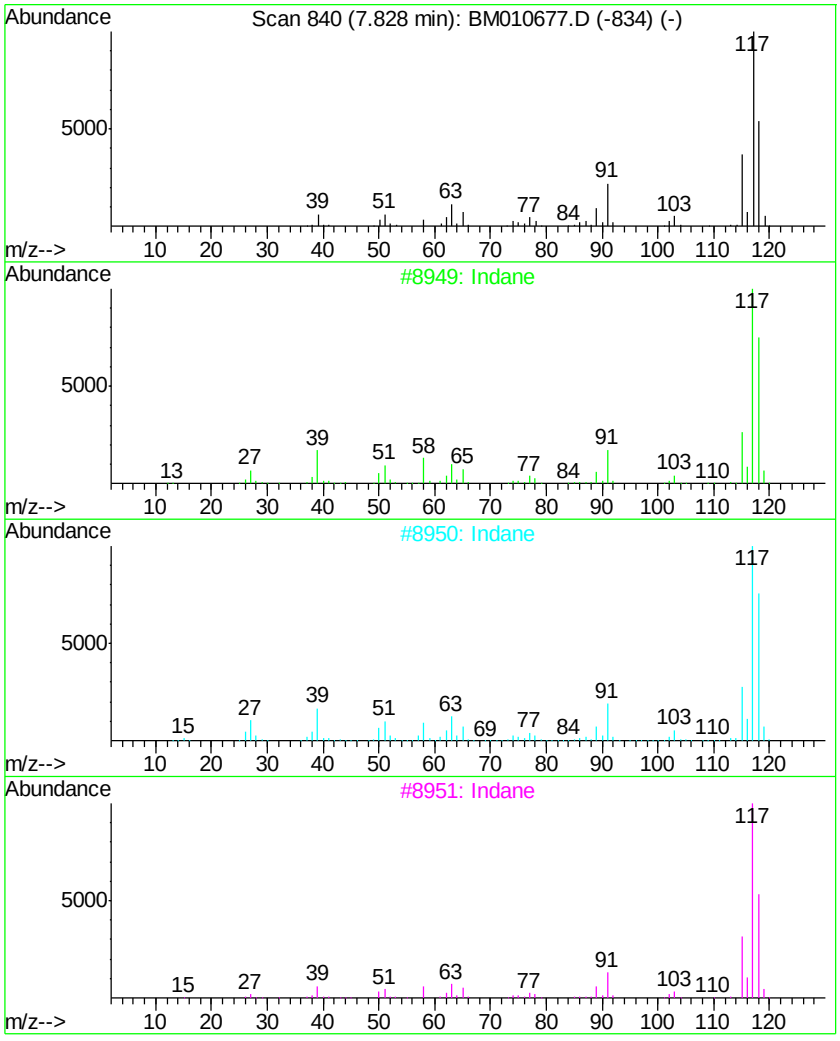
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

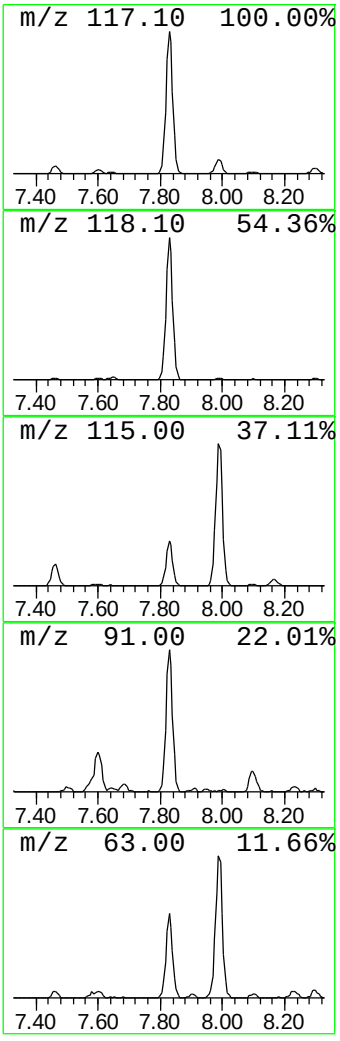
****

Peak Number 1 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	35.76 ng/ul	1029400	1,4-Dichlorobenzene-d4	7.46

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





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Data File : BM010677.D
Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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

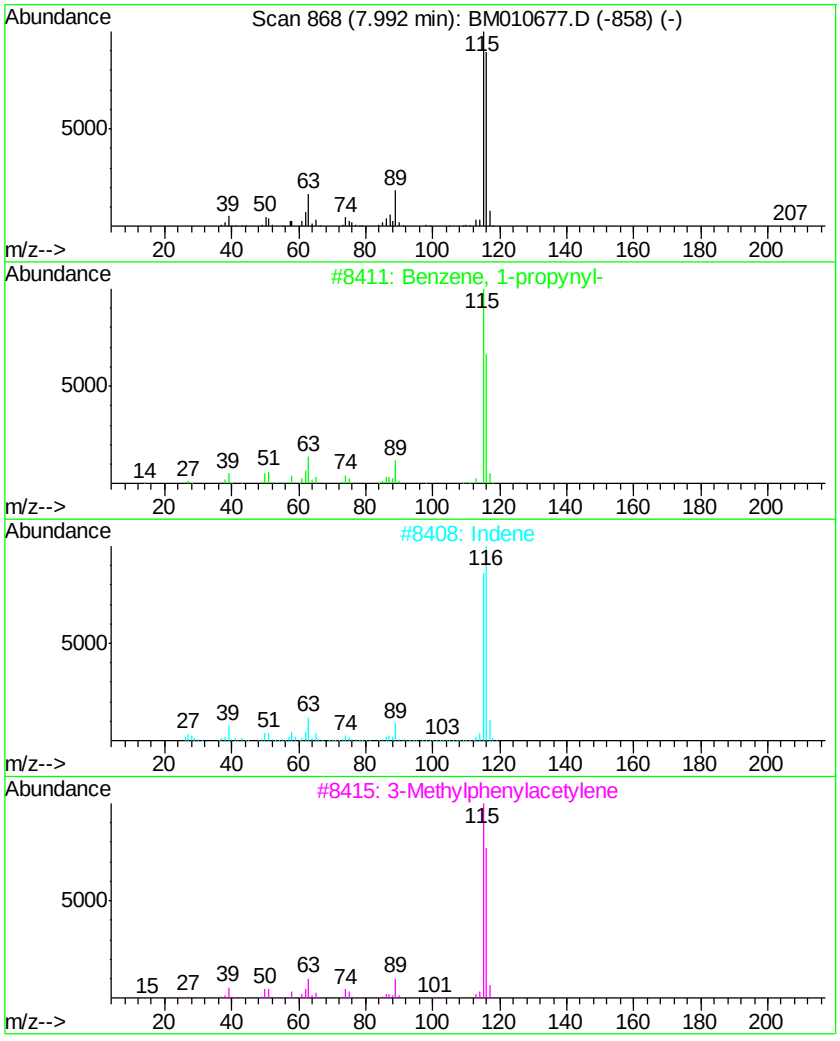
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

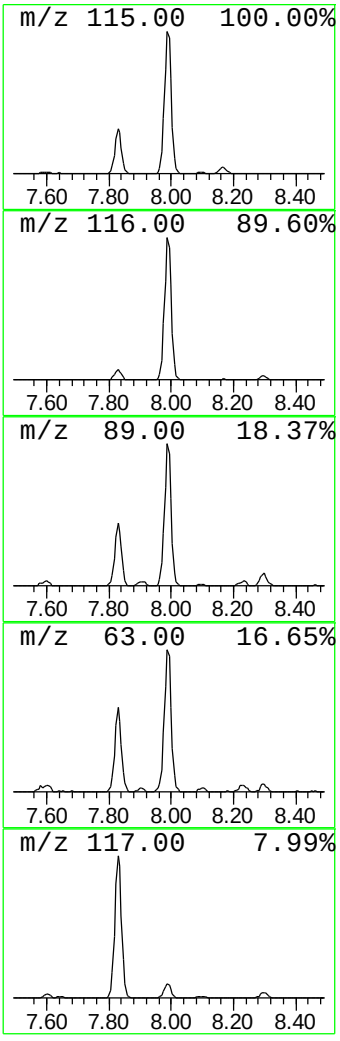
****

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	42.42 ng/ul	1220990	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
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Operator : SJ/JU
Sample : I3653-04 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F5B21

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

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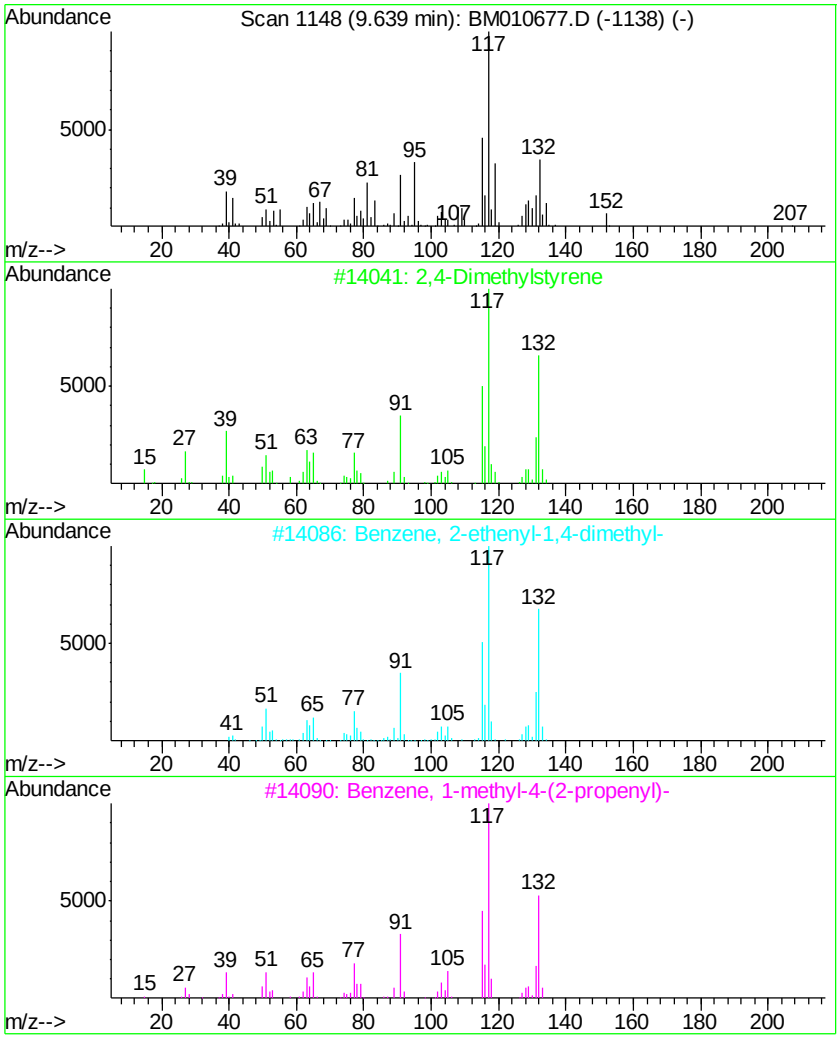
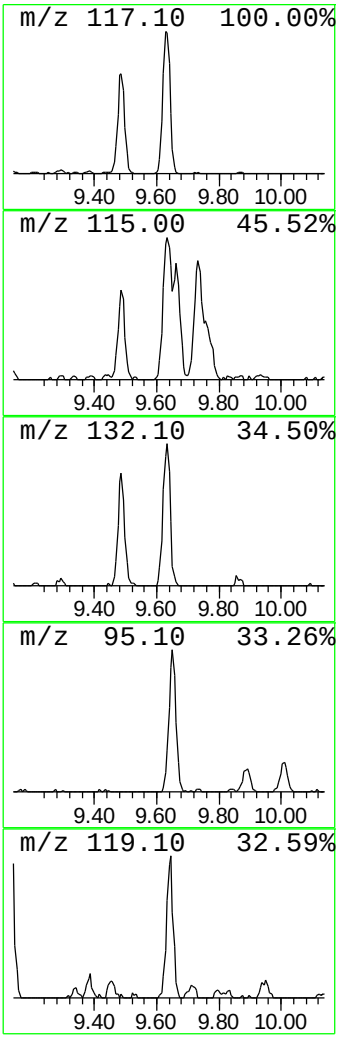
****

Peak Number 3 2,4-Dimethylstyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	20.71 ng/ul	850738	Naphthalene-d8	10.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	92
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	83
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64





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ALS Vial : 28 Sample Multiplier: 1

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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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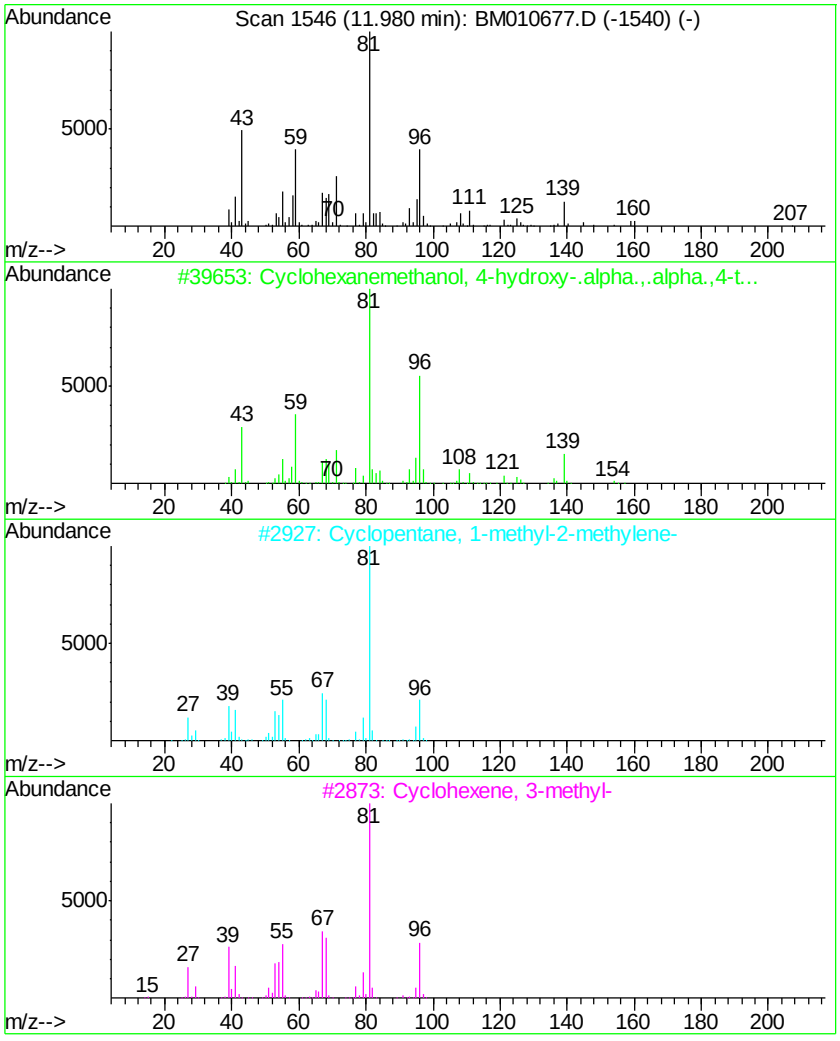
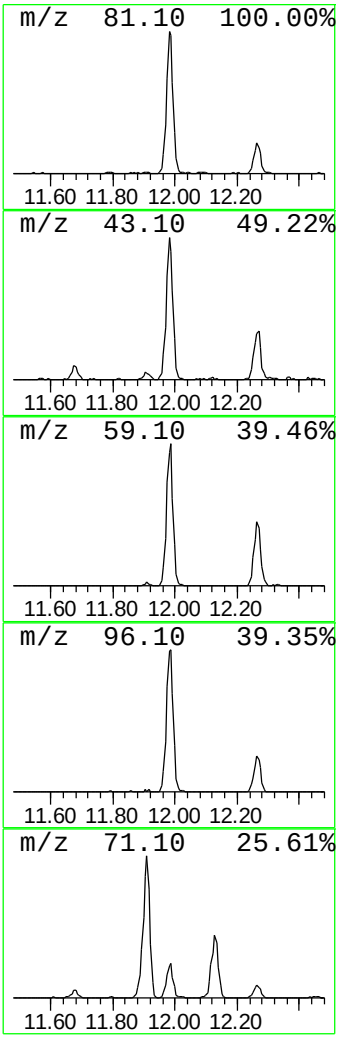
Peak Number 4 Cyclohexanemethanol, 4-hydr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	18.08 ng/ul	742714	Naphthalene-d8	10.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	78
2	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	53
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	53
4	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	49
5	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	47





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Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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

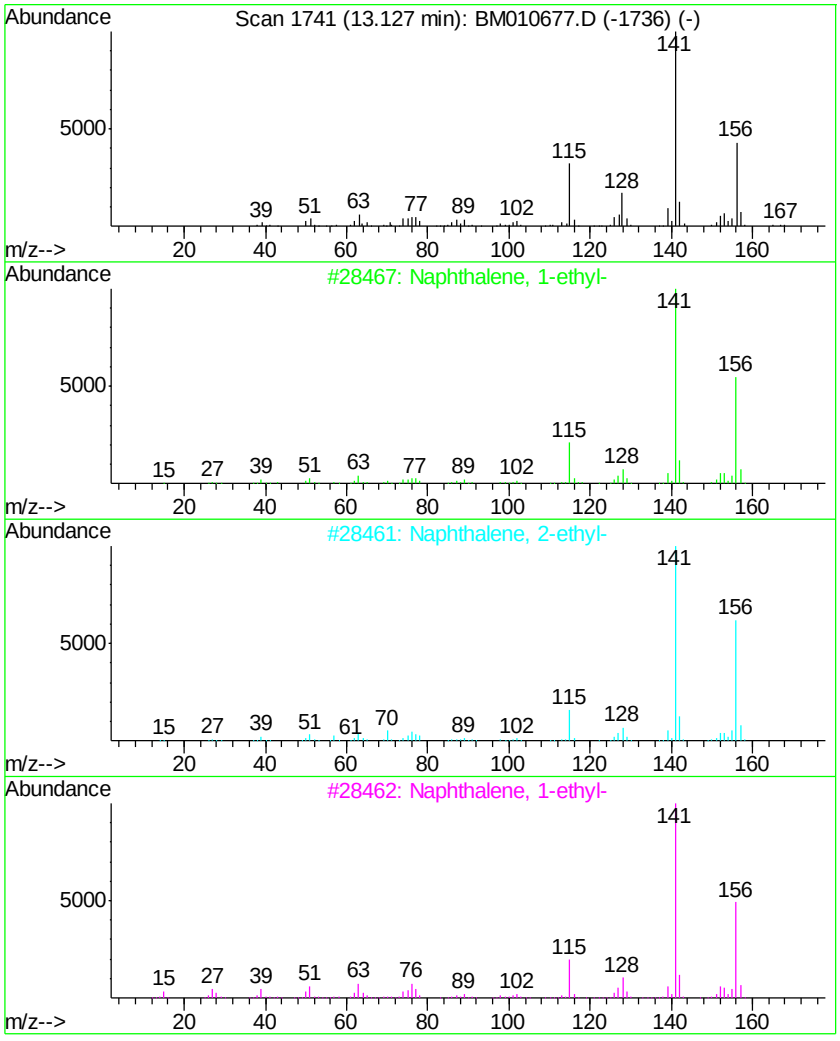
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

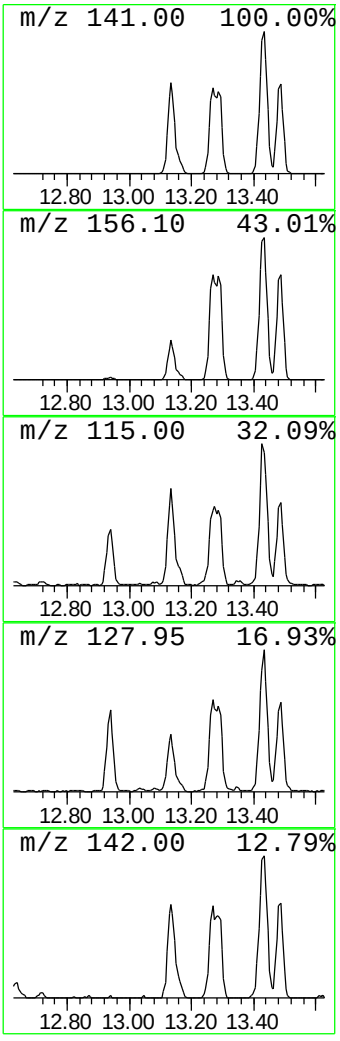
****

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	9.70 ng/ul	1050690	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
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	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010677.D
Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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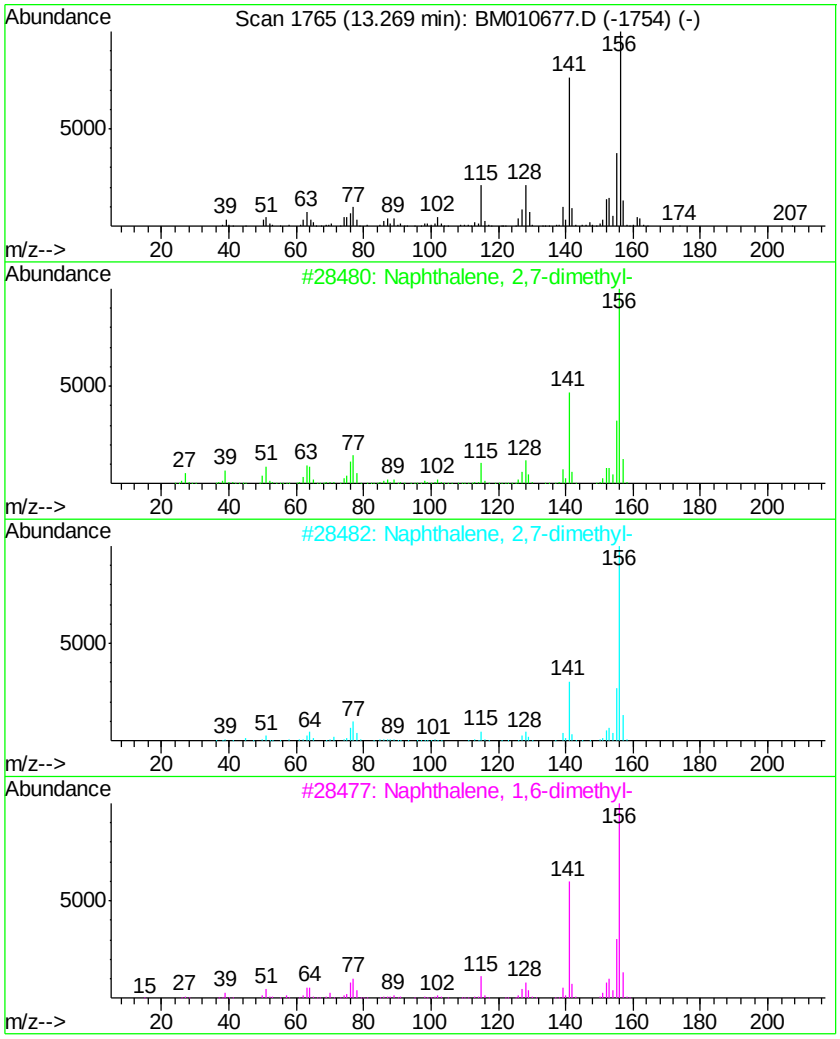
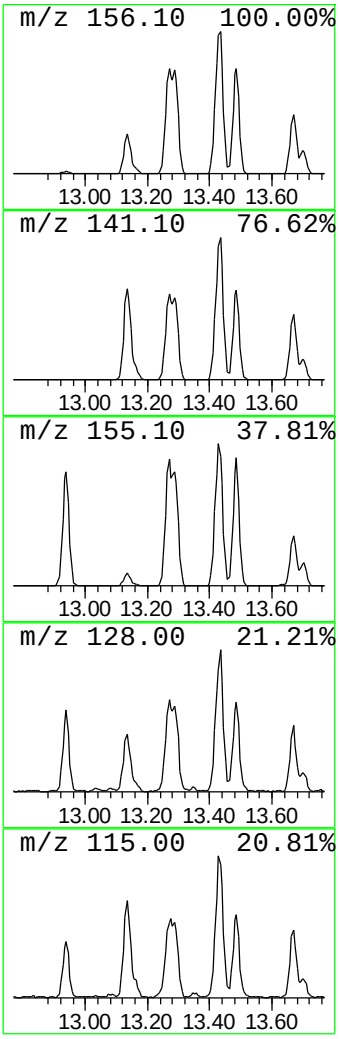
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	14.57 ng/ul	1577860	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, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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Quant Title : SVOA CALIBRATION

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

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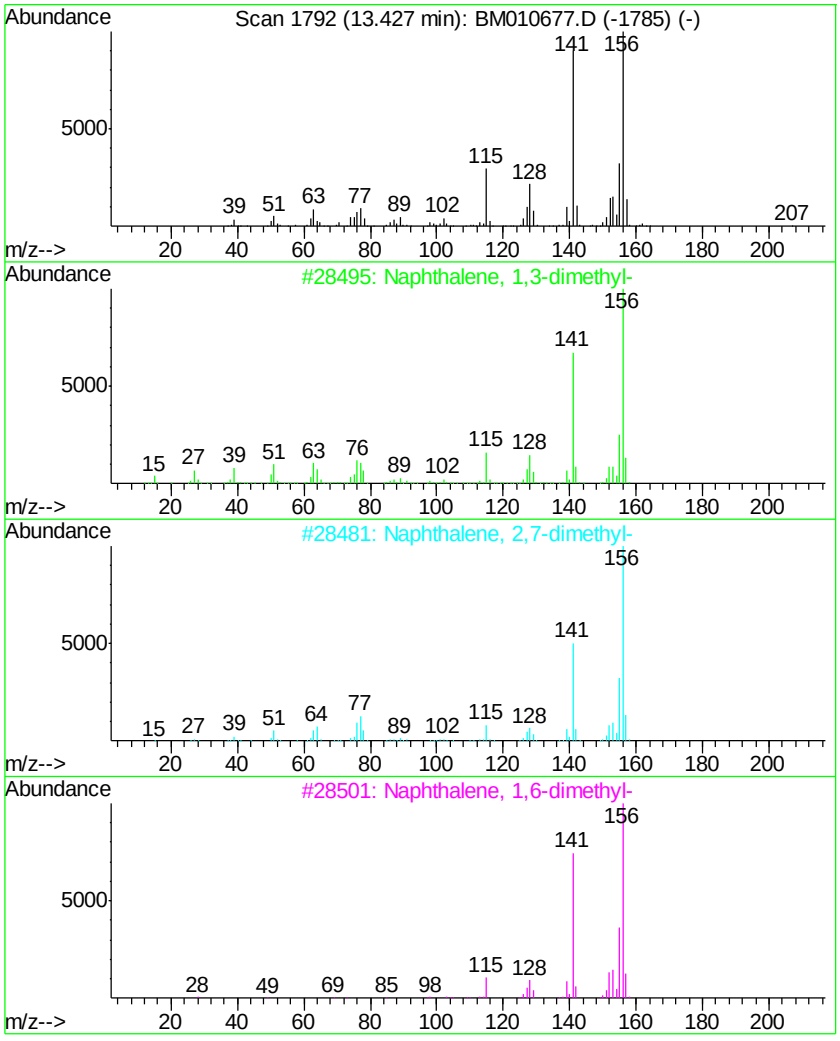
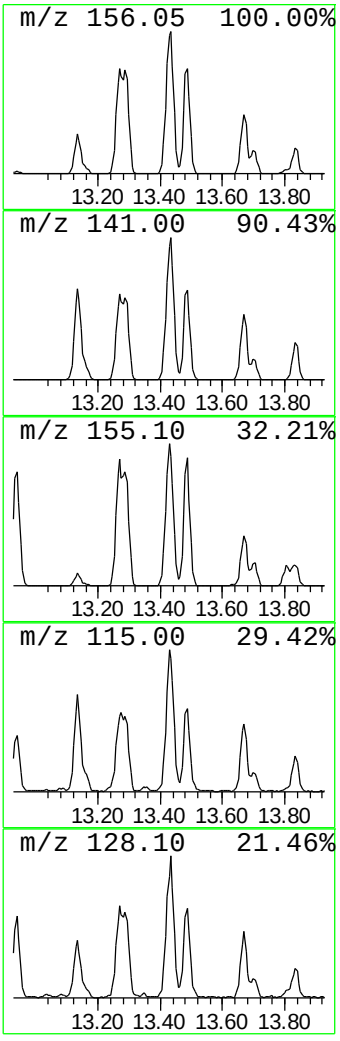
Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	21.33 ng/ul	2309870	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Library Search Compound Report

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Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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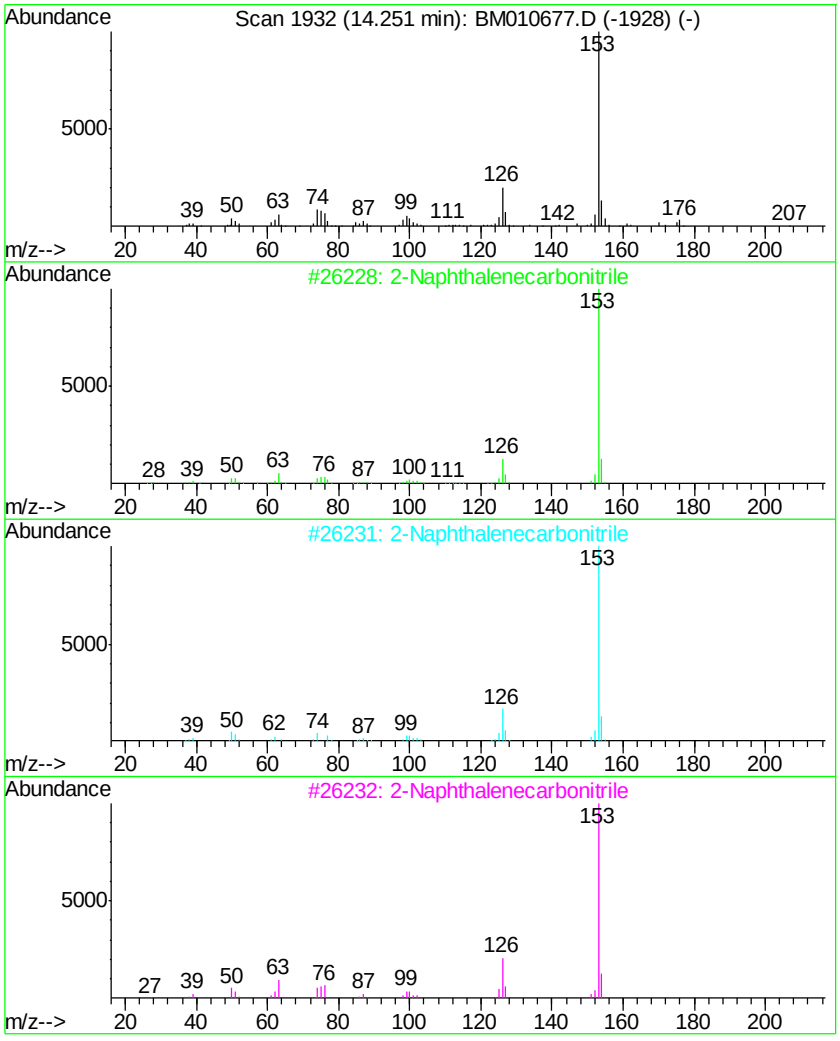
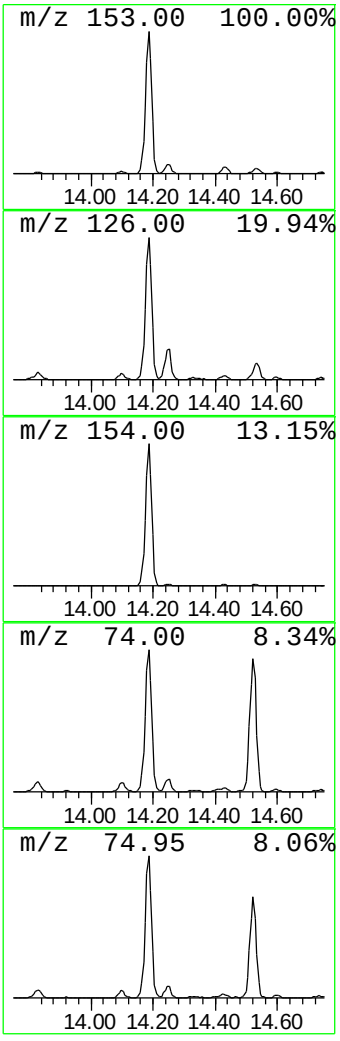
Peak Number 10 2-Naphthalenecarbonitrile Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	4.13 ng/ul	446827	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90





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Quant Title : SVOA CALIBRATION

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

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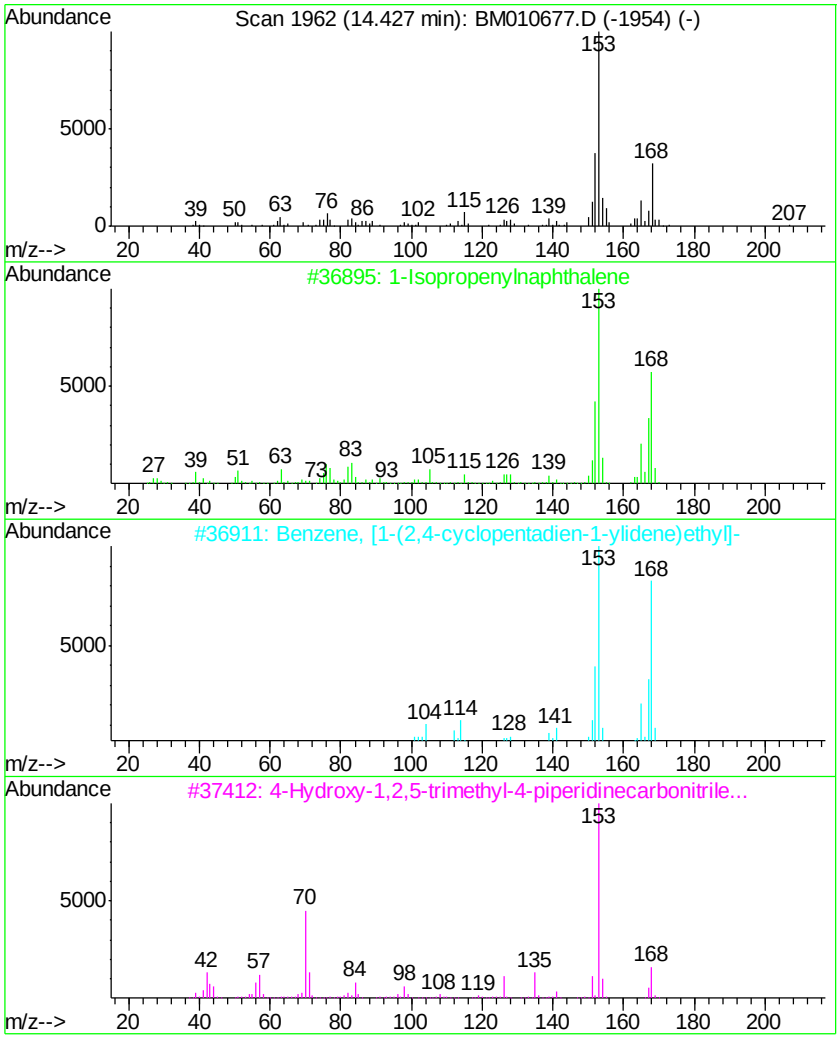
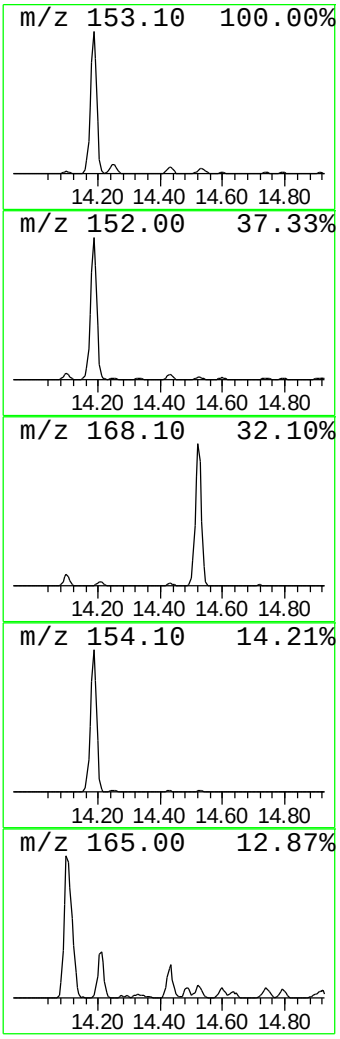
Peak Number 11 1-Isopropenylnaphthalene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	5.60 ng/ul	606598	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
3	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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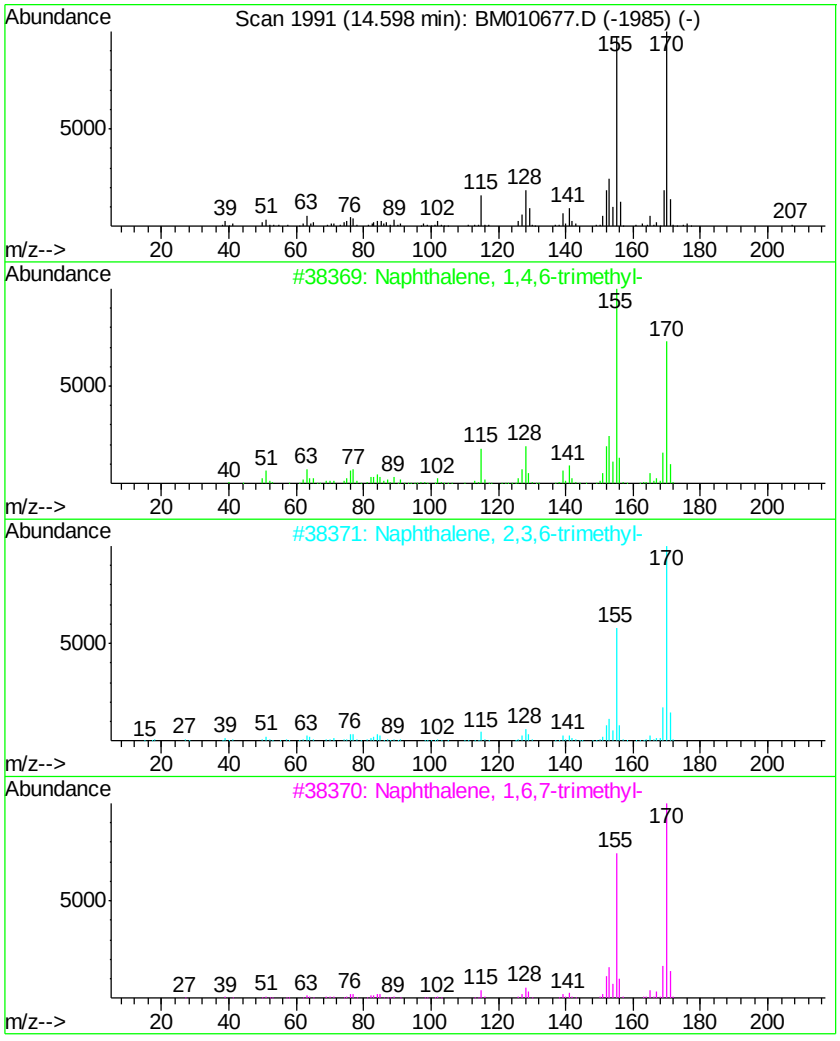
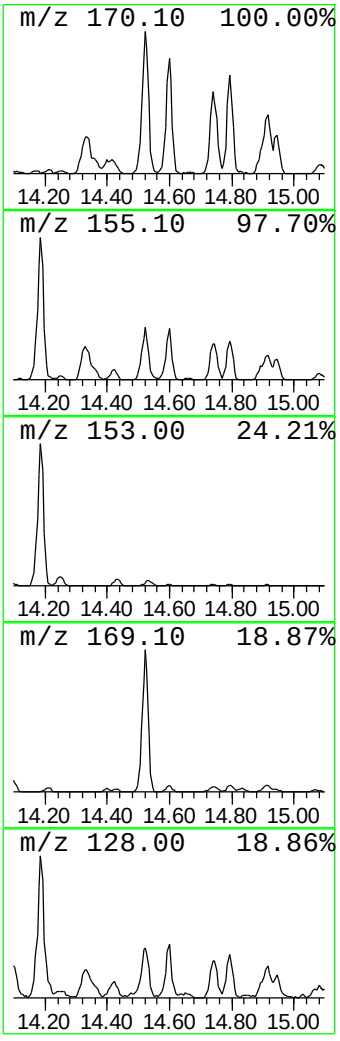
Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	4.27 ng/ul	462136	Acenaphthene-d10	14.12

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





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ClientSampleId : F5B21

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Quant Title : SVOA CALIBRATION

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

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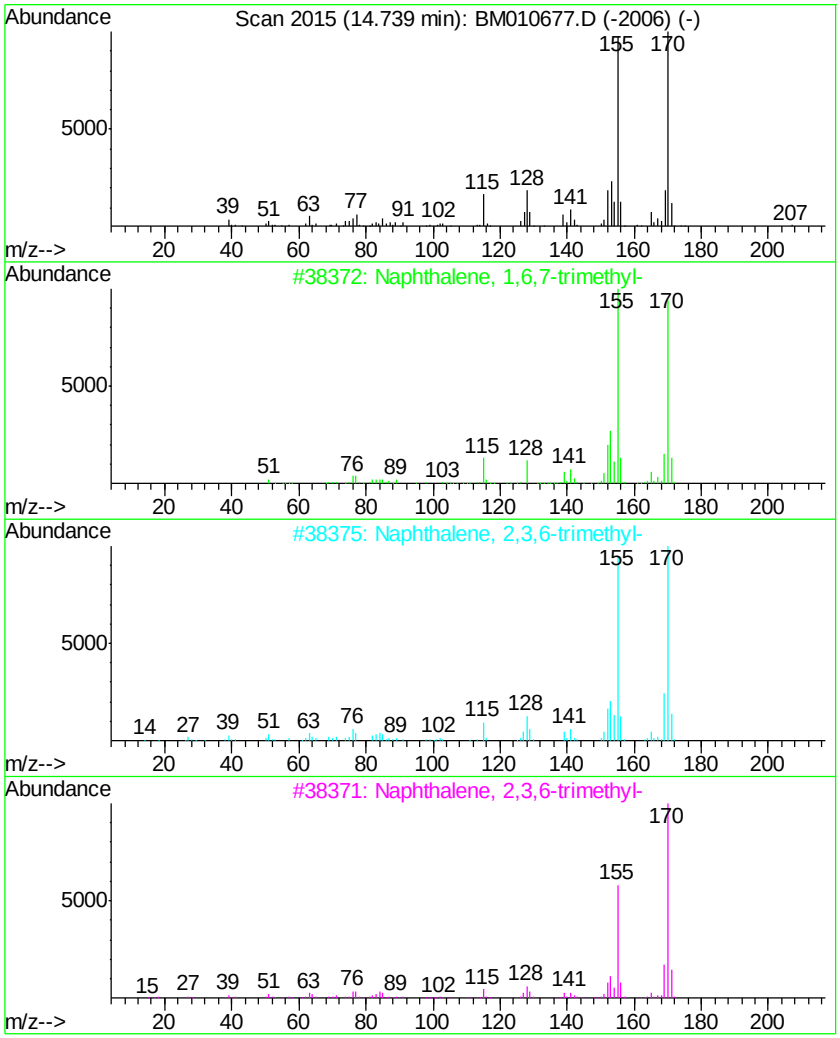
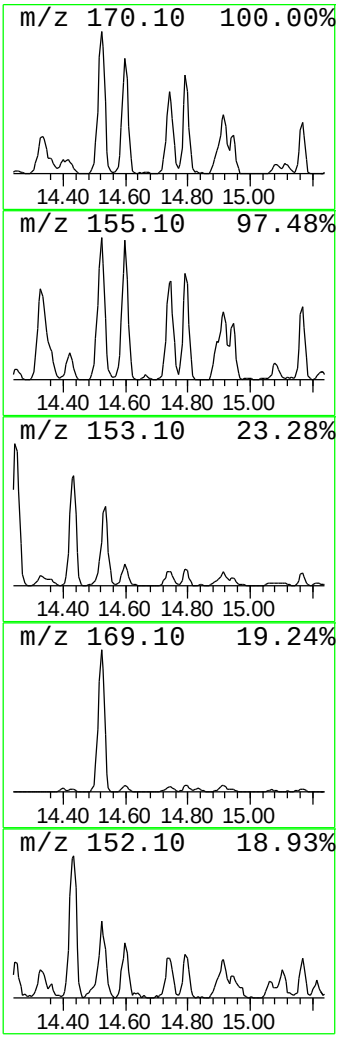
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	4.17 ng/ul	451106	Acenaphthene-d10	14.12

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





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Quant Title : SVOA CALIBRATION

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

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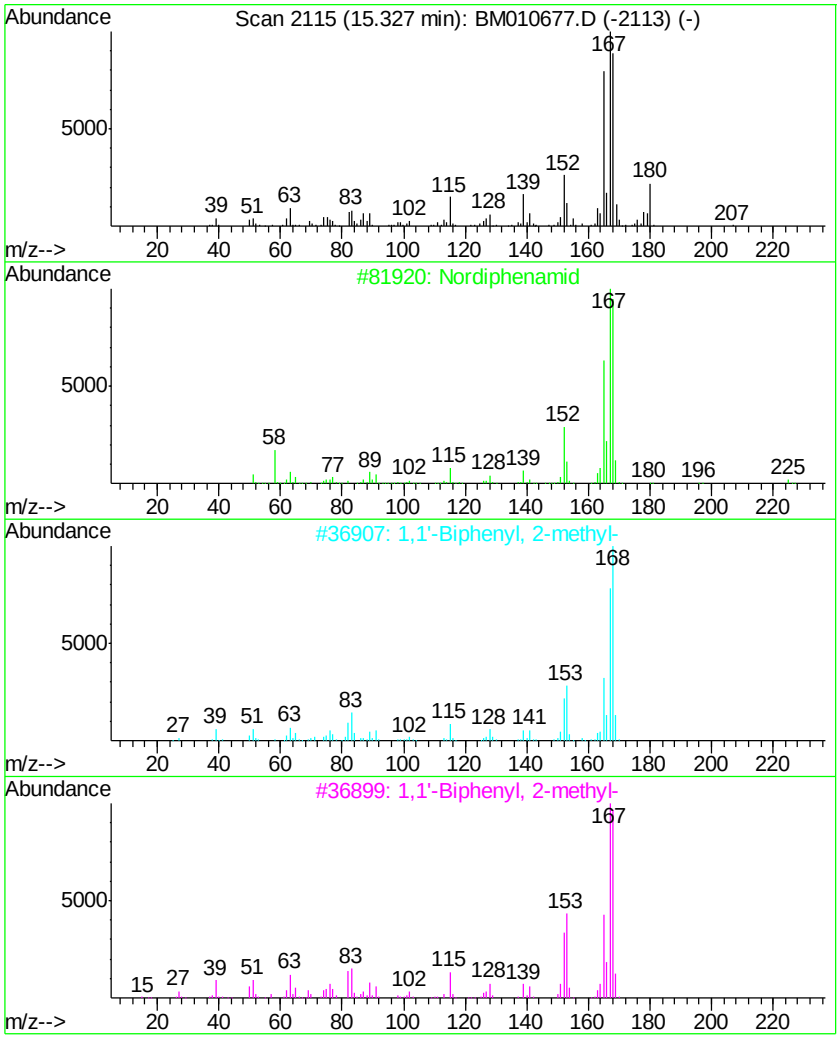
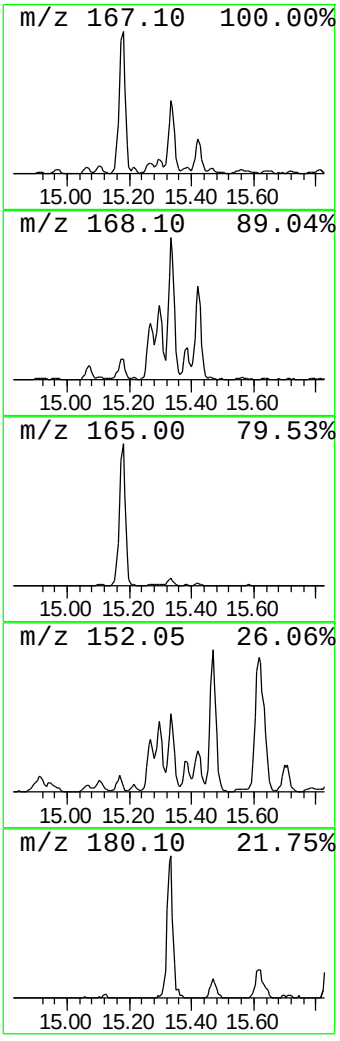
Peak Number 15 Nordiphenamid Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	9.59 ng/ul	1038940	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	76
5	Nordiphenamid	225	C15H15NO	000954-21-2	72





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Misc :
ALS Vial : 28 Sample Multiplier: 1

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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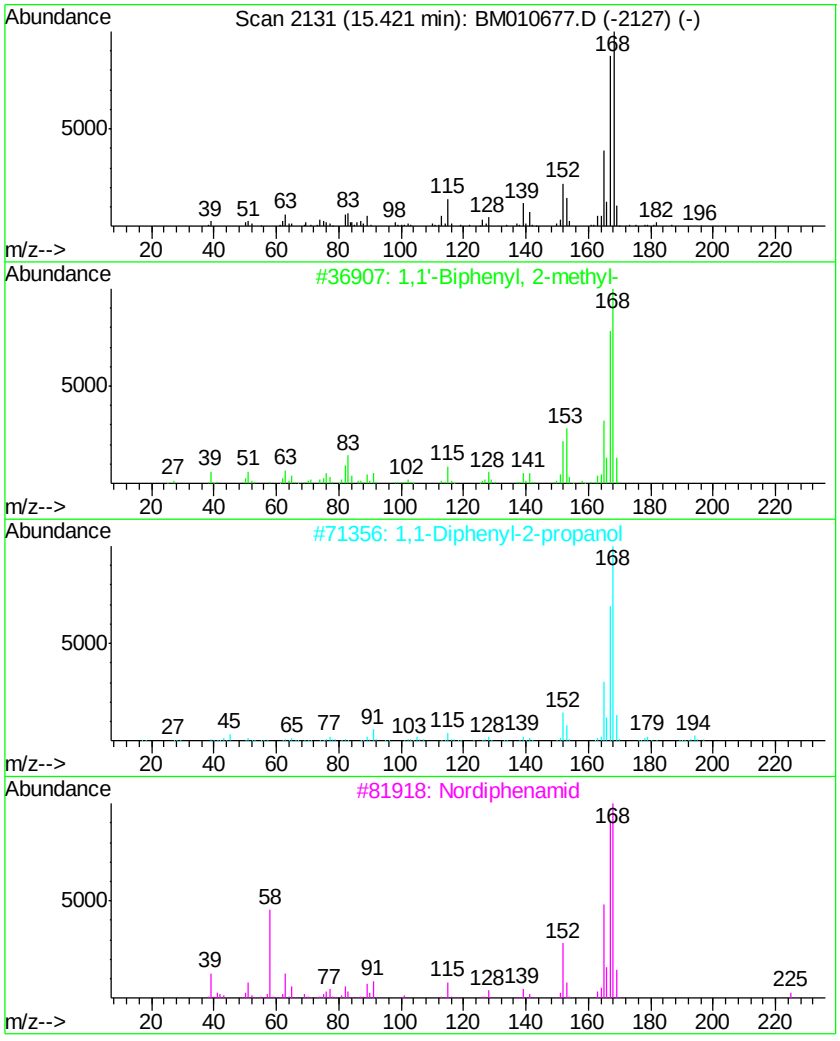
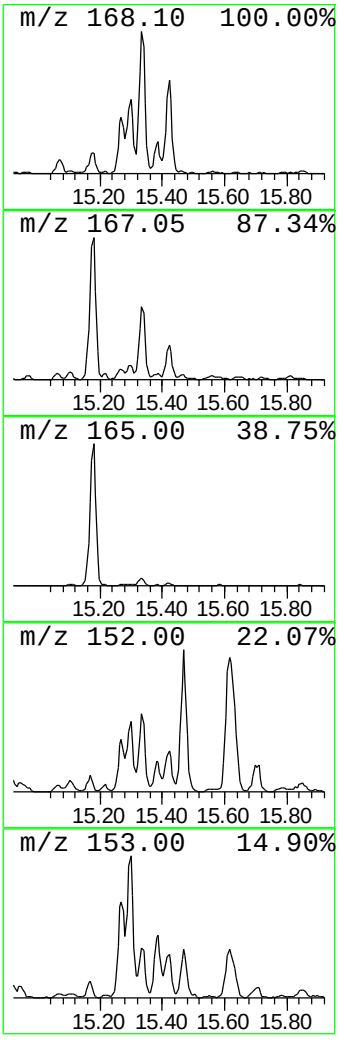
Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	4.06 ng/ul	439931	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	90
3	Nordiphenamid	225	C15H15NO	000954-21-2	90
4	Diphenylmethane	168	C13H12	000101-81-5	81
5	Diphenylmethane	168	C13H12	000101-81-5	81





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Quant Title : SVOA CALIBRATION

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

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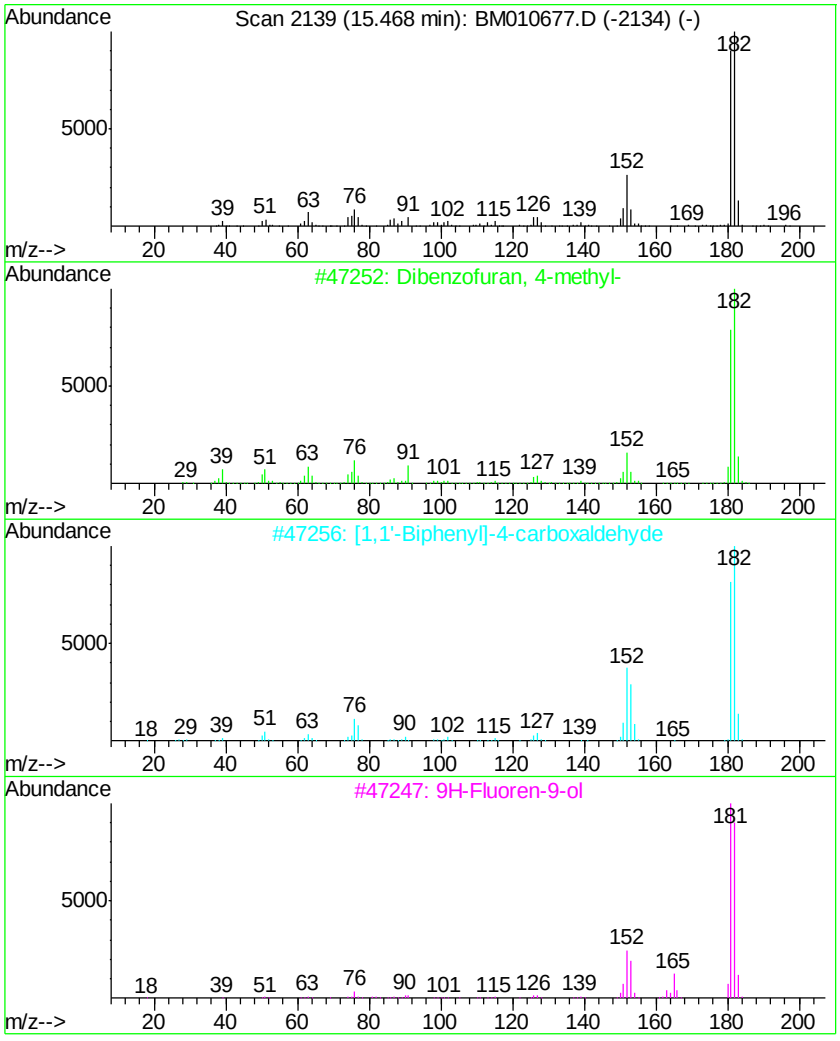
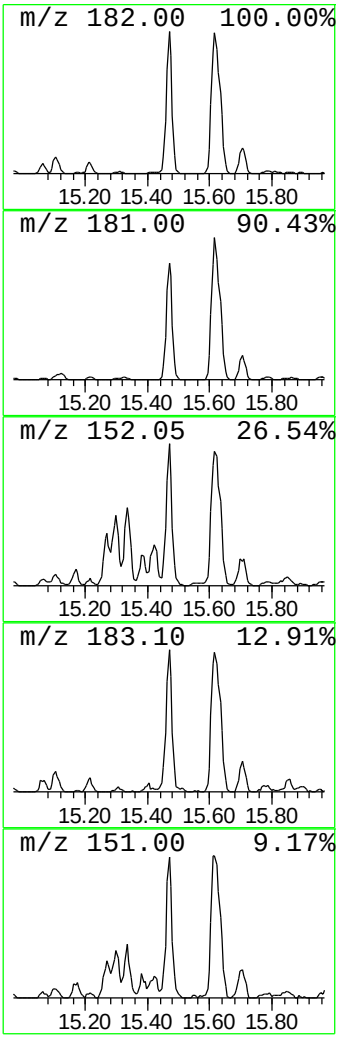
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	14.67 ng/ul	1589270	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	72





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Quant Title : SVOA CALIBRATION

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

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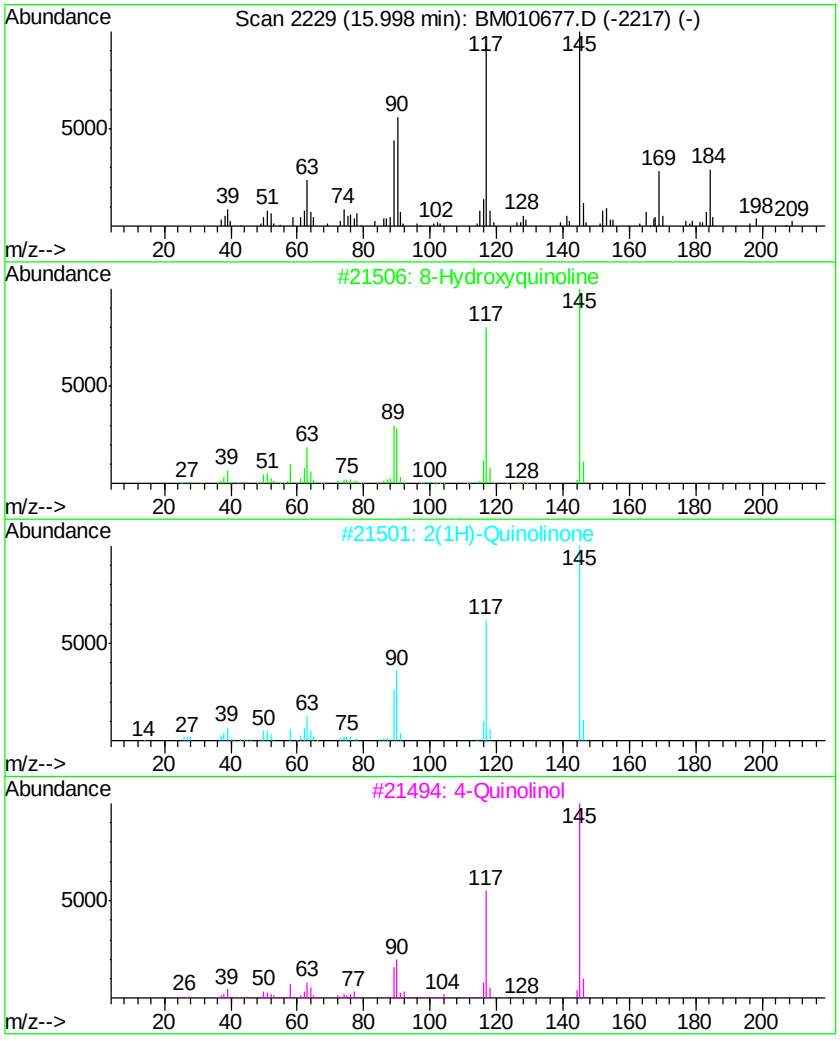
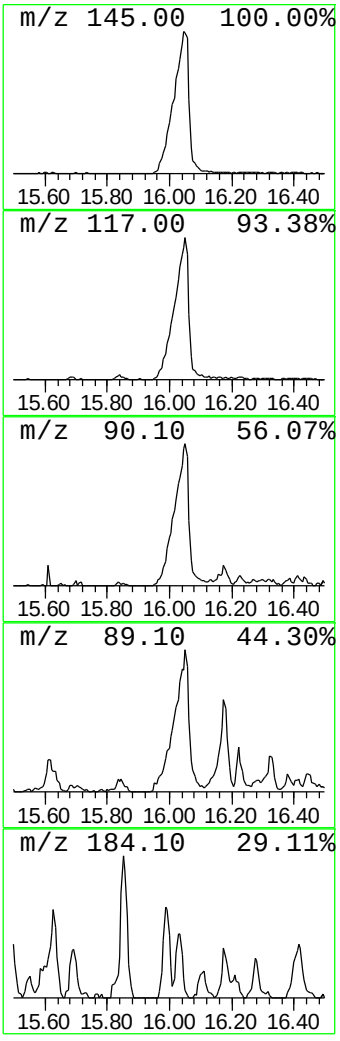
Peak Number 20 8-Hydroxyquinoline Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	5.10 ng/ul	390942	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	94
2	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	93
3	4-Quinolinol	145	C9H7NO	000611-36-9	90
4	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	81
5	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	76





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Quant Title : SVOA CALIBRATION

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

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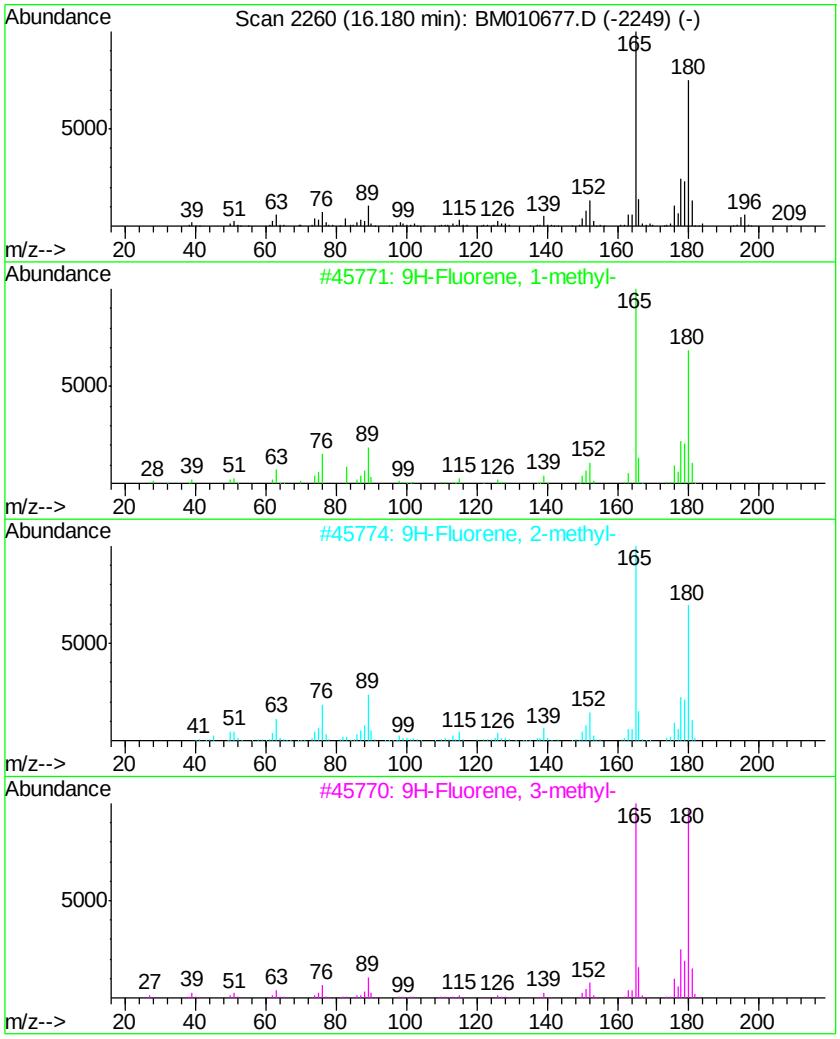
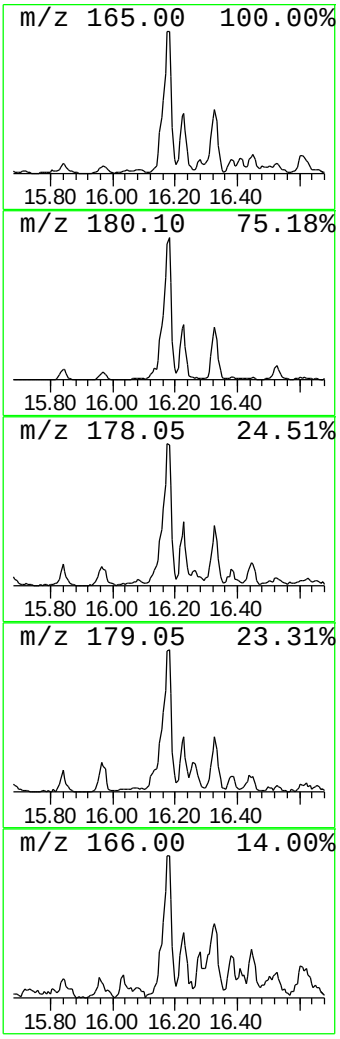
Peak Number 22 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	20.40 ng/ul	1564280	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91





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Quant Title : SVOA CALIBRATION

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

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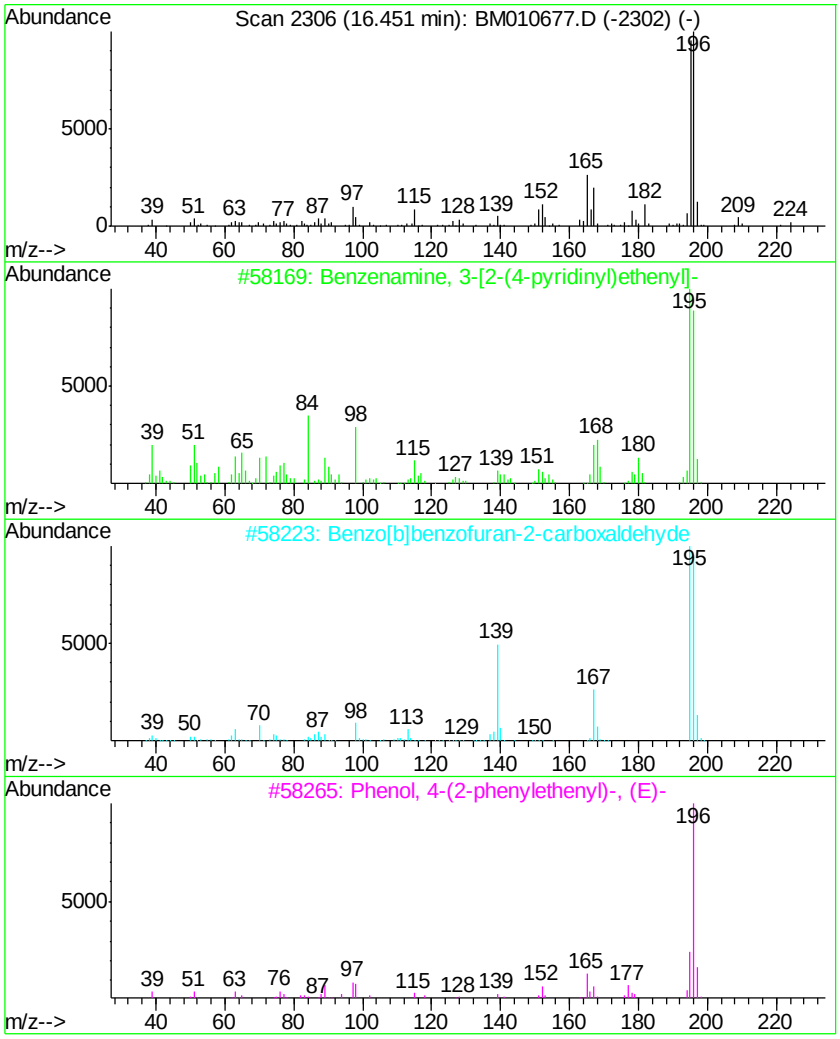
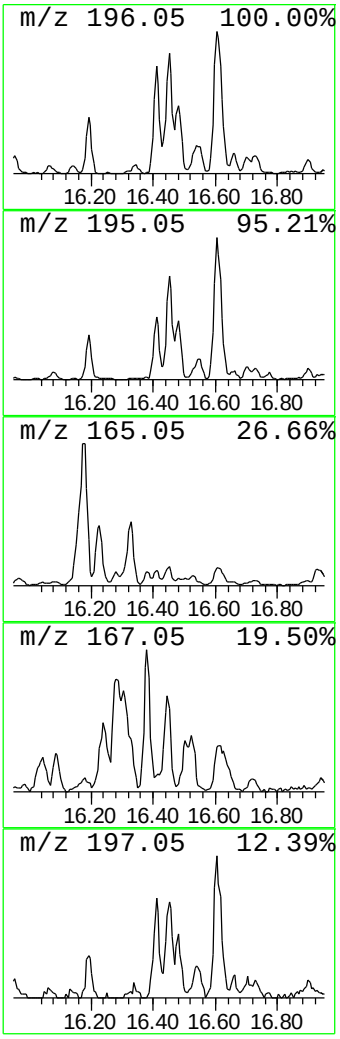
Peak Number 24 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	5.07 ng/ul	388469	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	53
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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Quant Title : SVOA CALIBRATION

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

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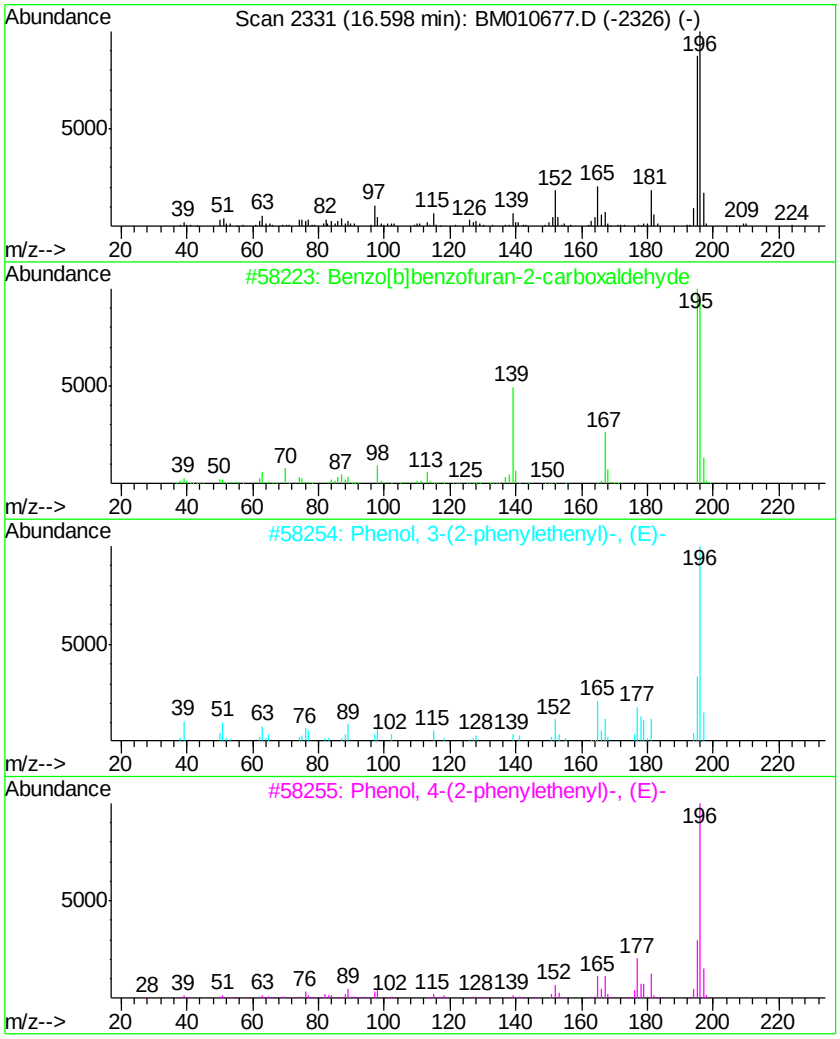
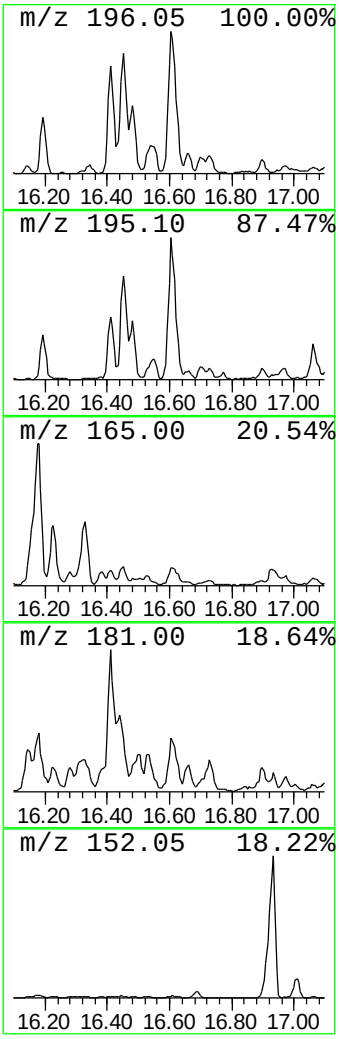
Peak Number 25 Benzo[b]benzofuran-2-carbox... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	10.67 ng/ul	817967	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	70
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47





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Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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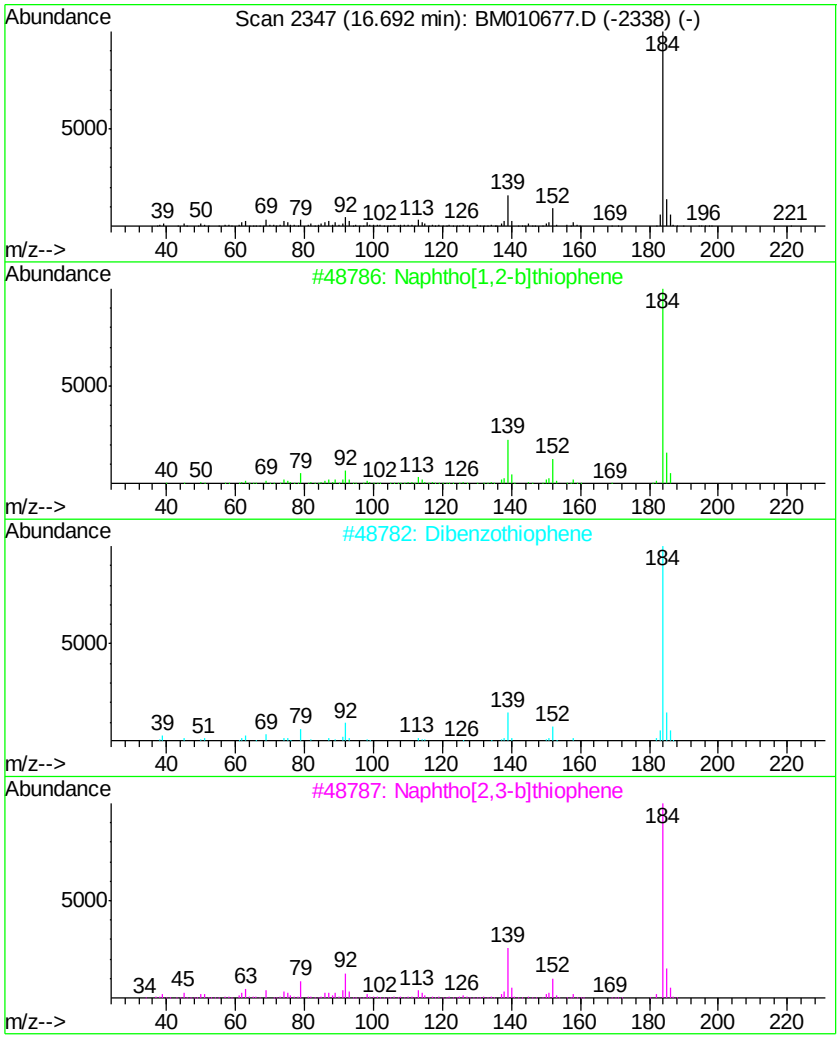
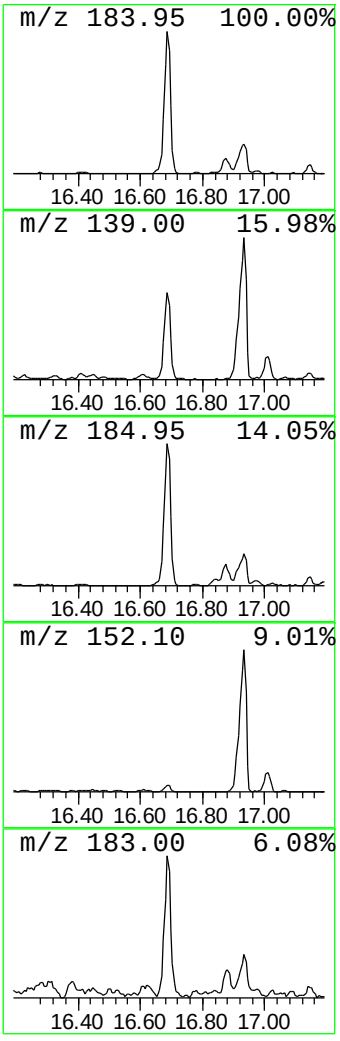
Peak Number 26 Naphtho[1,2-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	24.94 ng/ul	1912060	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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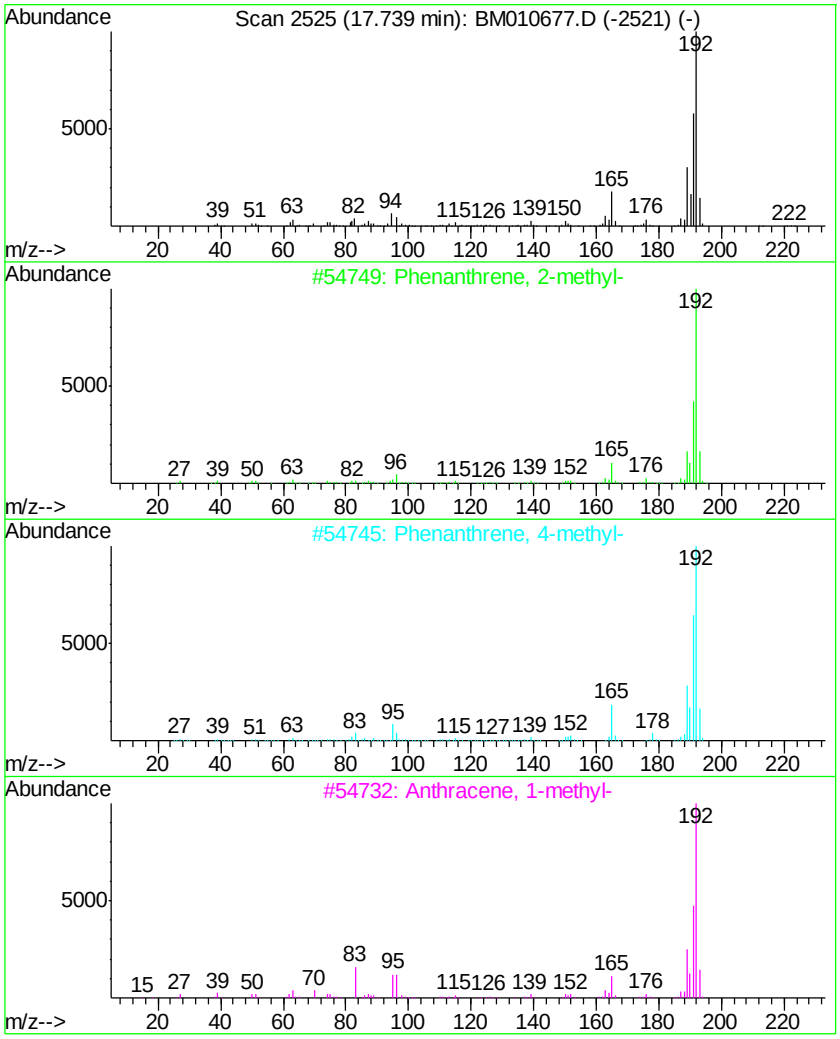
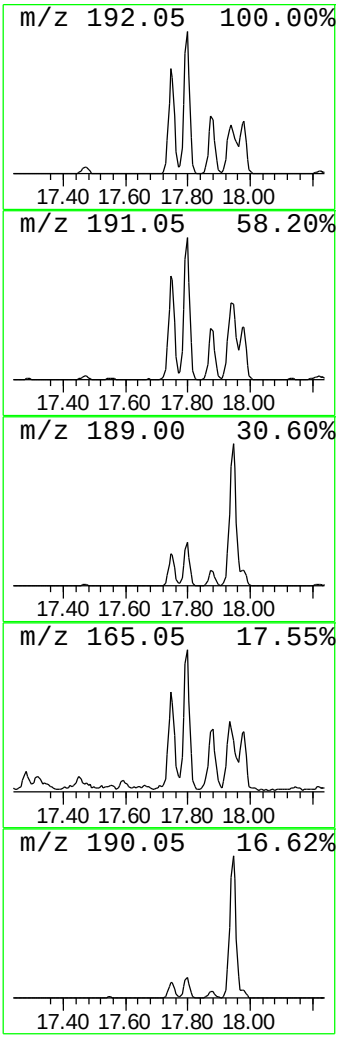
Peak Number 27 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	25.16 ng/ul	1928930	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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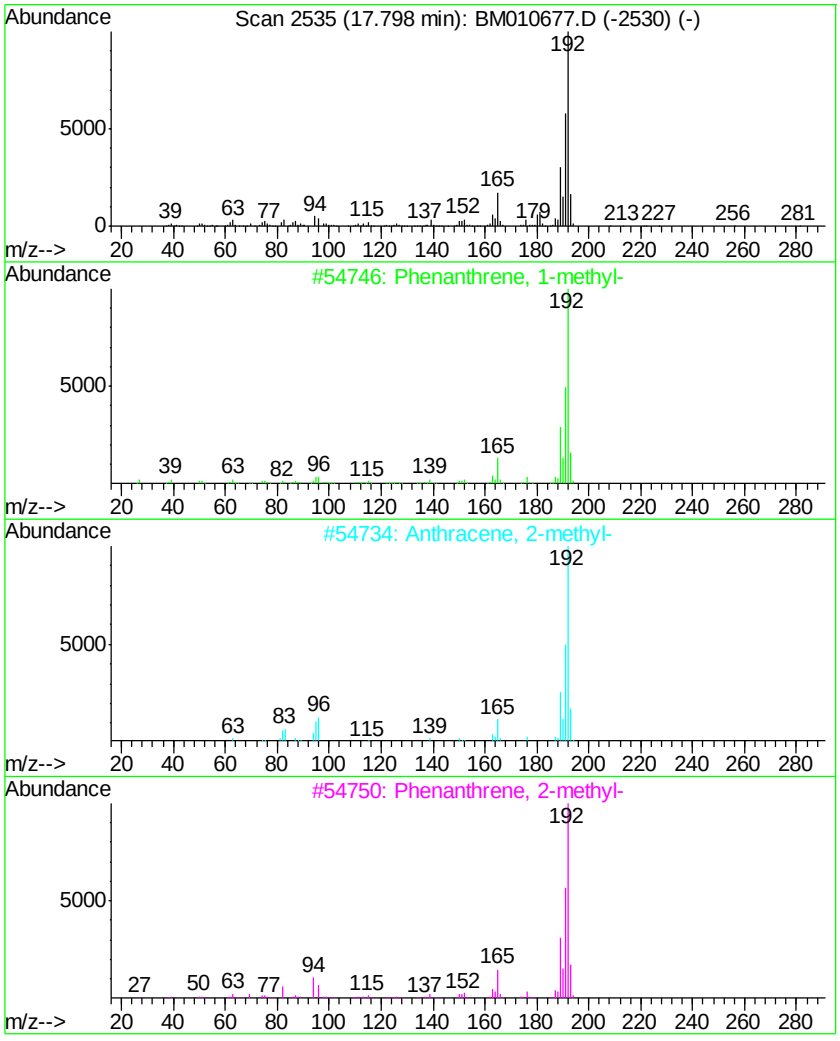
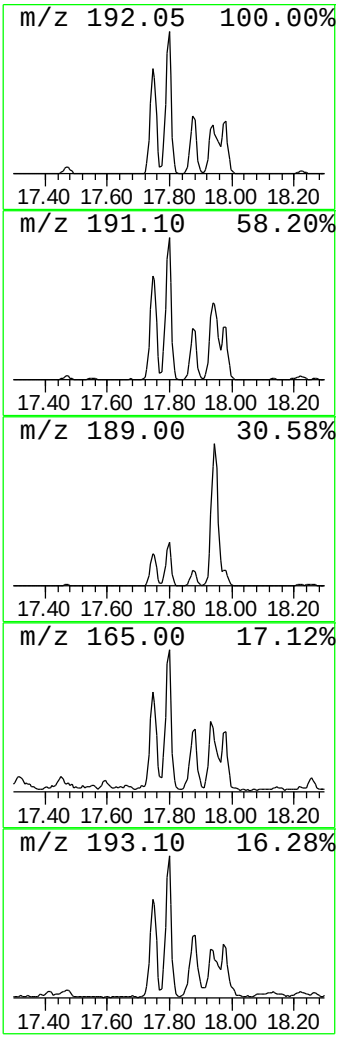
Peak Number 28 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	38.56 ng/ul	2956480	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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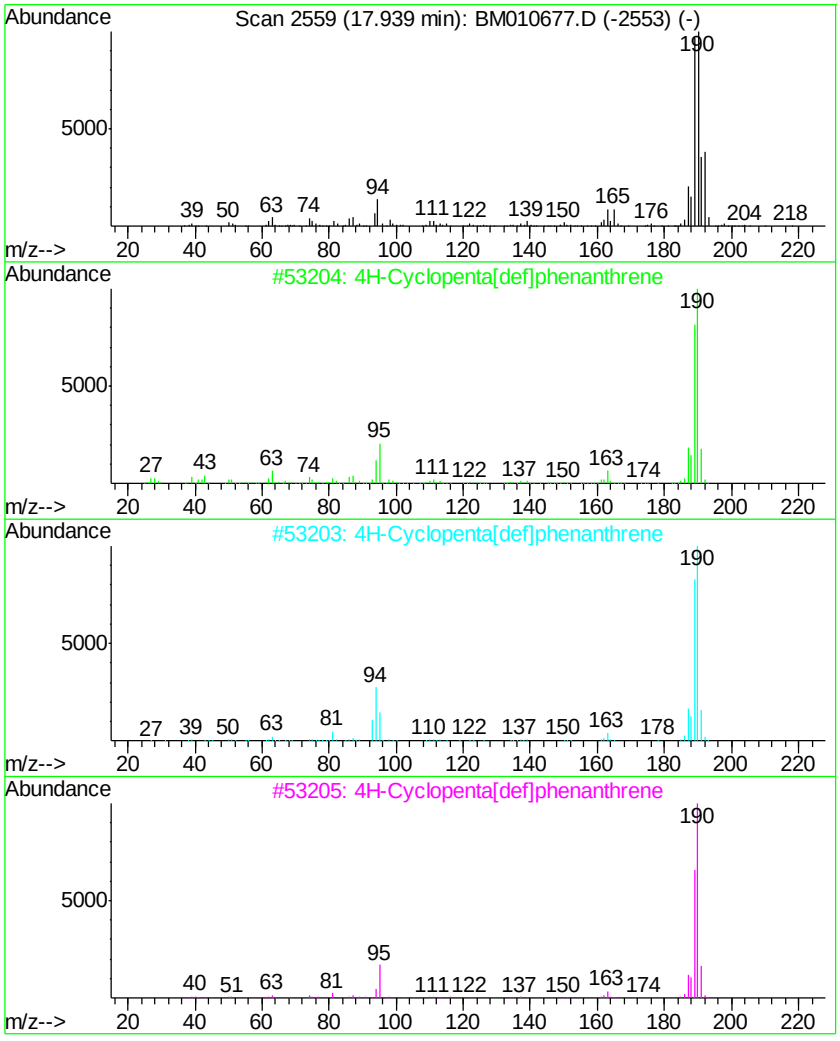
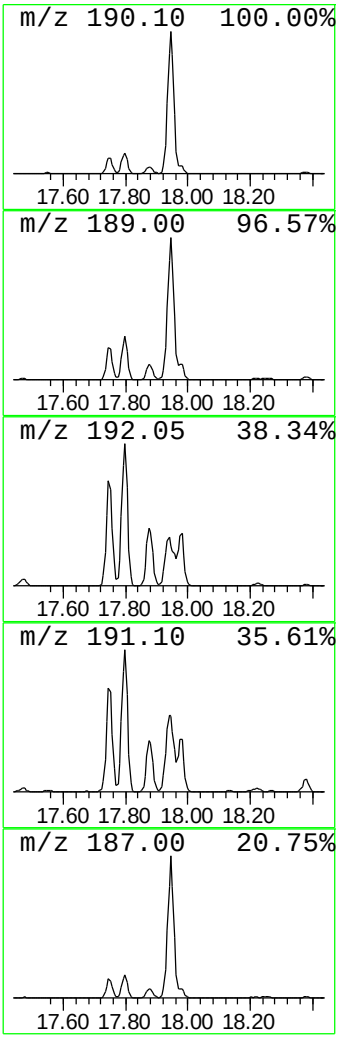
Peak Number 30 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	55.99 ng/ul	4293550	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	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Data File : BM010677.D
Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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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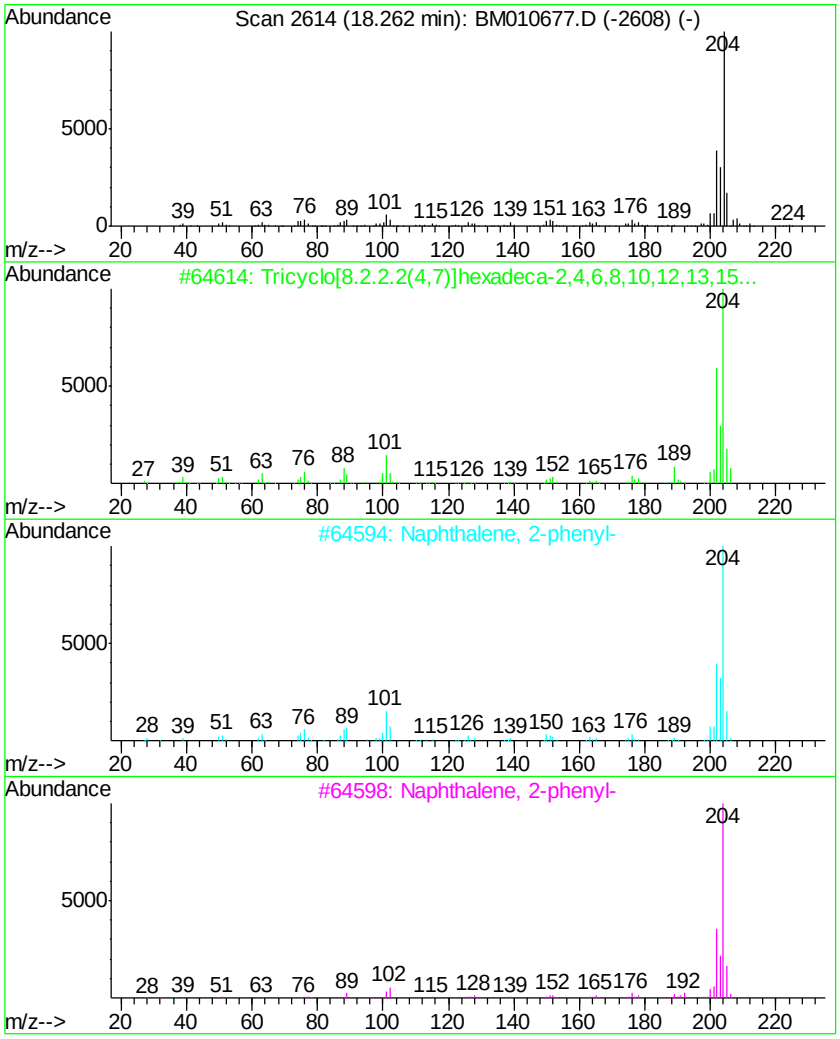
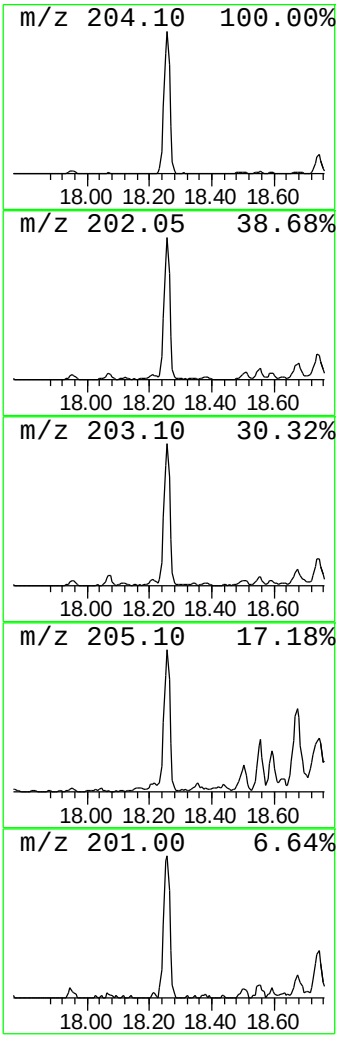
Peak Number 32 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	17.95 ng/ul	1376330	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





Tentatively Identified Compound (LSC) summary

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Acq On : 23 Jun 2017 01:32
Operator : SJ/JU
Sample : I3653-04 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B21

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
Indane	7.83	35.8	ng/ul	1029400	1	7.46	575731	20.0
Benzene, 1-propynyl-	7.99	42.4	ng/ul	1220990	1	7.46	575731	20.0
2,4-Dimethylstyrene	9.64	20.7	ng/ul	850738	2	10.23	821573	20.0
Cyclohexanemethan...	11.98	18.1	ng/ul	742714	2	10.23	821573	20.0
Naphthalene, 1-et...	13.13	9.7	ng/ul	1050690	3	14.12	2166170	20.0
Naphthalene, 2,7-...	13.27	14.6	ng/ul	1577860	3	14.12	2166170	20.0
Naphthalene, 1,3-...	13.43	21.3	ng/ul	2309870	3	14.12	2166170	20.0
2-Naphthalenecarb...	14.25	4.1	ng/ul	446827	3	14.12	2166170	20.0
1-Isopropenylnaph...	14.43	5.6	ng/ul	606598	3	14.12	2166170	20.0
Naphthalene, 1,4,...	14.60	4.3	ng/ul	462136	3	14.12	2166170	20.0
Naphthalene, 1,6,...	14.74	4.2	ng/ul	451106	3	14.12	2166170	20.0
Nordiphenamid	15.33	9.6	ng/ul	1038940	3	14.12	2166170	20.0
1,1'-Biphenyl, 2-...	15.42	4.1	ng/ul	439931	3	14.12	2166170	20.0
Dibenzofuran, 4-m...	15.47	14.7	ng/ul	1589270	3	14.12	2166170	20.0
8-Hydroxyquinoline	16.00	5.1	ng/ul	390942	4	16.87	1533630	20.0
9H-Fluorene, 1-me...	16.18	20.4	ng/ul	1564280	4	16.87	1533630	20.0
Benzenamine, 3-[2...	16.45	5.1	ng/ul	388469	4	16.87	1533630	20.0
Benzo[b]benzofura...	16.60	10.7	ng/ul	817967	4	16.87	1533630	20.0
Naphtho[1,2-b]thi...	16.69	24.9	ng/ul	1912060	4	16.87	1533630	20.0
Phenanthrene, 2-m...	17.74	25.2	ng/ul	1928930	4	16.87	1533630	20.0
Phenanthrene, 1-m...	17.80	38.6	ng/ul	2956480	4	16.87	1533630	20.0
4H-Cyclopenta[def...	17.94	56.0	ng/ul	4293550	4	16.87	1533630	20.0
Tricyclo[8.2.2.2(...	18.26	17.9	ng/ul	1376330	4	16.87	1533630	20.0