LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010673.D
Acq On : 22 Jun 2017 23:09
Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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	7.828	834	840	847	rVB	589907	893795	1.76%	0.288%
2	7.992	857	868	875	rBV	895910	1434459	2.82%	0.461%
3	9.639	1138	1148	1158	rBV5	248497	682068	1.34%	0.219%
4	10.233	1242	1249	1251	rBV	314899	574164	1.13%	0.185%
5	10.310	1251	1262	1267	rVV	25458321	50779065	100.00%	16.334%
6	10.404	1269	1278	1287	rVB	1001160	1723102	3.39%	0.554%
7	11.916	1522	1535	1541	rBV	8617522	14387604	28.33%	4.628%
8	12.133	1559	1572	1581	rVB	3882715	6378232	12.56%	2.052%
9	12.939	1699	1709	1715	rBV	2029268	2917777	5.75%	0.939%
10	13.133	1736	1742	1754	rVB	671441	1223670	2.41%	0.394%
11	13.269	1754	1765	1767	rBV	1046931	1733983	3.41%	0.558%
12	13.433	1783	1793	1798	rBV	1568095	2747560	5.41%	0.884%
13	13.486	1798	1802	1813	rVB	1084006	1598944	3.15%	0.514%
14	13.669	1827	1833	1837	rBV	657123	1002162	1.97%	0.322%
15	13.833	1851	1861	1869	rVB2	696068	1114983	2.20%	0.359%
16	14.104	1900	1907	1914	rBV2	1049759	2053469	4.04%	0.661%
17	14.192	1914	1922	1928	rVV	8491236	12734937	25.08%	4.097%
18	14.251	1928	1932	1938	rVB	377281	542373	1.07%	0.174%
19	14.427	1954	1962	1968	rBV3	381633	662452	1.30%	0.213%
20	14.527	1968	1979	1986	rVB	7161024	10183637	20.05%	3.276%
21	14.745	2007	2016	2020	rBV2	271364	531856	1.05%	0.171%
22	15.186	2083	2091	2095	rBV	9250307	13672841	26.93%	4.398%
23	15.298	2107	2110	2113	rVV	532376	764221	1.50%	0.246%
24	15.333	2113	2116	2121	rVV	1024889	1451166	2.86%	0.467%
25	15.421	2128	2131	2135	rVV	521005	701729	1.38%	0.226%
26	15.468	2135	2139	2149	rVB	1325518	1933980	3.81%	0.622%
27	15.616	2149	2164	2172	rBV	1430685	3108724	6.12%	1.000%
28	15.845	2198	2203	2217	rVB2	280020	604914	1.19%	0.195%
29	15.968	2217	2224	2231	rBV2	459943	744022	1.47%	0.239%
30	16.180	2249	2260	2265	rBV2	987192	2095759	4.13%	0.674%
31	16.327	2279	2285	2290	rVB2	418015	689090	1.36%	0.222%
32	16.610	2327	2333	2339	rBV	521472	992279	1.95%	0.319%
33	16.692	2339	2347	2352	rBV	1884316	2734379	5.38%	0.880%
34	16.880	2369	2379	2380	rBV	676021	1121007	2.21%	0.361%

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Misc :
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Instrument : BNA_M
ClientSampleId : F5E19

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
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Title : SVOA CALIBRATION

35	16.939	2380	2389	2393	rVV2	28569627	49699348	97.87%	15.987%
36	17.015	2396	2402	2406	rVB	4214356	5611162	11.05%	1.805%
37	17.280	2442	2447	2451	rBV	1993291	2532248	4.99%	0.815%
38	17.445	2471	2475	2484	rVB3	243640	579459	1.14%	0.186%
39	17.751	2522	2527	2531	rBV	1776971	2427946	4.78%	0.781%
40	17.798	2531	2535	2542	rVB	2782591	3750505	7.39%	1.206%
41	17.880	2542	2549	2554	rBV	1065478	1664004	3.28%	0.535%
42	17.945	2554	2560	2564	rBV2	3534912	5731837	11.29%	1.844%
43	17.980	2564	2566	2572	rVB	960883	1045708	2.06%	0.336%
44	18.256	2608	2613	2618	rVB	1398446	1784141	3.51%	0.574%
45	18.680	2678	2685	2690	rBV3	611284	1215279	2.39%	0.391%
46	18.745	2690	2696	2699	rBV2	355449	530839	1.05%	0.171%
47	18.962	2724	2733	2737	rBV	18357910	27437807	54.03%	8.826%
48	19.186	2767	2771	2777	rBV	461723	642480	1.27%	0.207%
49	19.321	2783	2794	2801	rBV2	11108317	21502011	42.34%	6.917%
50	19.386	2801	2805	2812	rVB2	638886	1131902	2.23%	0.364%
51	19.492	2812	2823	2829	rBV	793425	1286033	2.53%	0.414%
52	19.645	2839	2849	2854	rBV3	650026	1783361	3.51%	0.574%
53	19.774	2866	2871	2873	rVV4	527064	862149	1.70%	0.277%
54	19.815	2873	2878	2883	rVB	2490671	3333245	6.56%	1.072%
55	19.915	2890	2895	2899	rBV	2857275	3514108	6.92%	1.130%
56	19.968	2899	2904	2908	rVV2	916058	1570795	3.09%	0.505%
57	20.156	2932	2936	2946	rVB2	389836	774104	1.52%	0.249%
58	20.345	2963	2968	2971	rBV	405078	526795	1.04%	0.169%
59	20.527	2994	2999	3003	rBV	362584	630789	1.24%	0.203%
60	20.727	3029	3033	3037	rBV	656952	869296	1.71%	0.280%
61	20.768	3037	3040	3043	rVV	653145	825832	1.63%	0.266%
62	20.803	3043	3046	3052	rVB2	399735	722649	1.42%	0.232%
63	21.074	3082	3092	3097	rVV3	4828054	8001763	15.76%	2.574%
64	21.127	3097	3101	3108	rVB	2874774	3932728	7.74%	1.265%
65	21.239	3116	3120	3124	rBV	741475	855602	1.68%	0.275%
66	21.397	3142	3147	3152	rBV2	427636	692417	1.36%	0.223%
67	21.621	3179	3185	3189	rVV	450773	701300	1.38%	0.226%
68	21.839	3219	3222	3228	rVB2	380508	554910	1.09%	0.179%
69	22.592	3344	3350	3355	rBV	1044224	2400251	4.73%	0.772%
70	23.044	3421	3427	3433	rVB	453947	798738	1.57%	0.257%
71	23.133	3435	3442	3450	rBV	782572	1380682	2.72%	0.444%

LSC Area Percent Report

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Integration Parameters: LSCINT.P
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72	23.221	3450	3457	3462	rVV2	520487	1052993	2.07%	0.339%

Sum of corrected areas: 310871619

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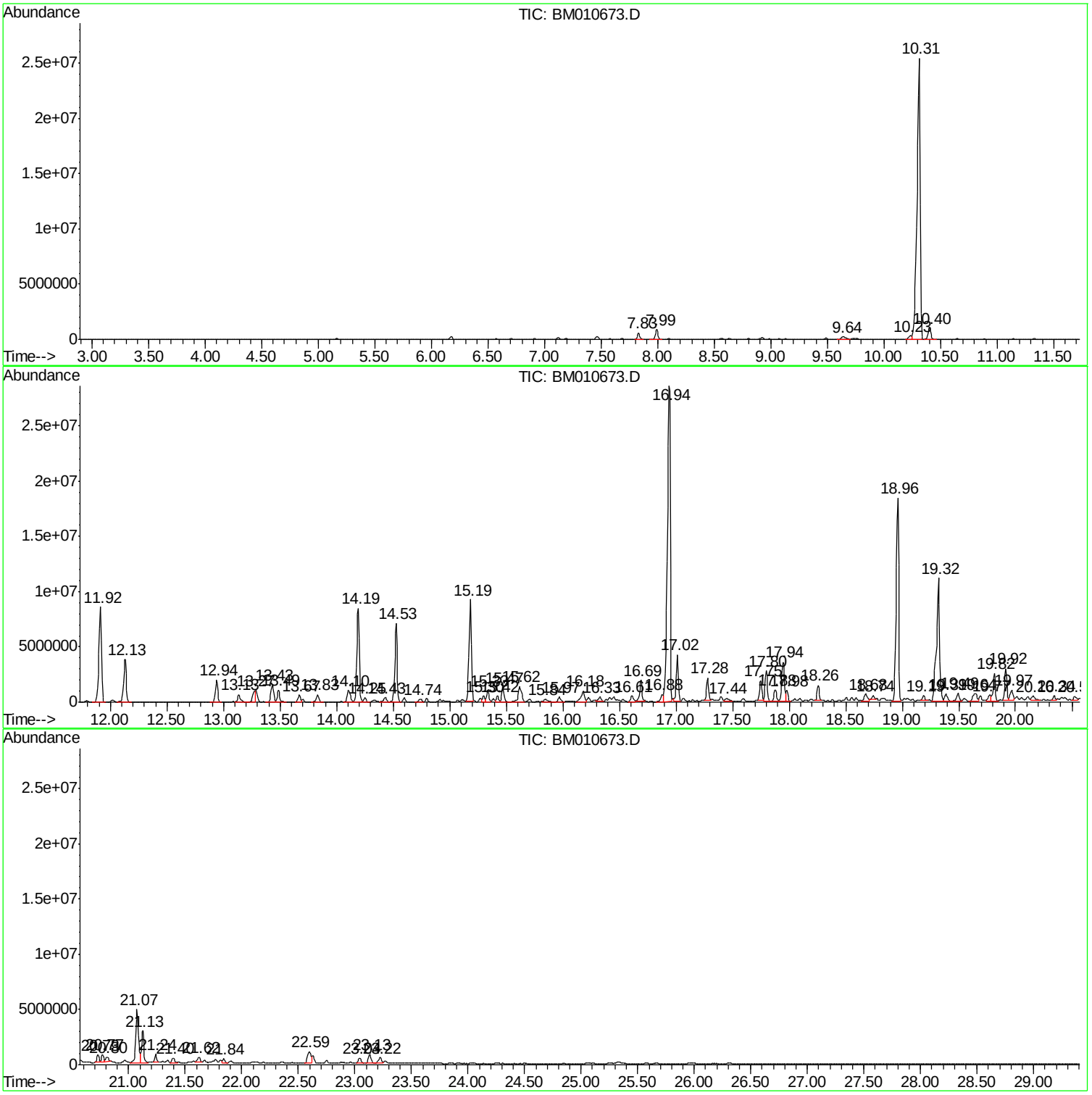
Instrument :
BNA_M
ClientSampleId :
F5E19

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

TIC Library : C:\DATABASE\NIST11.L
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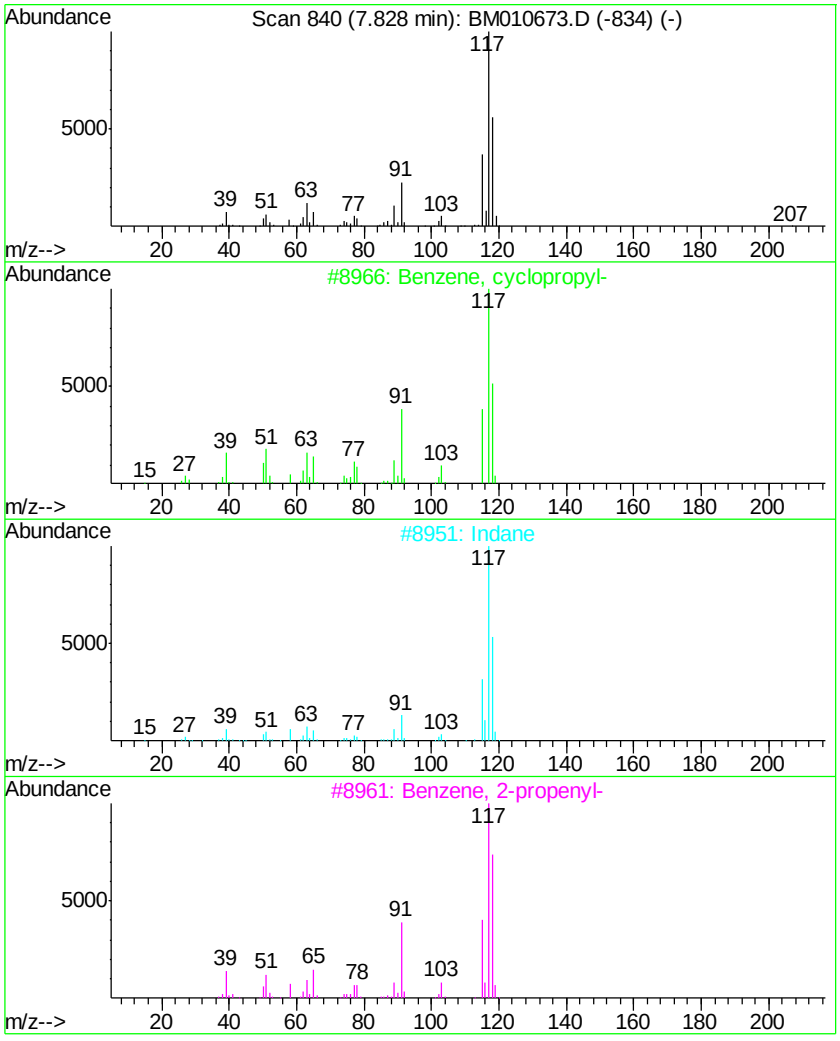
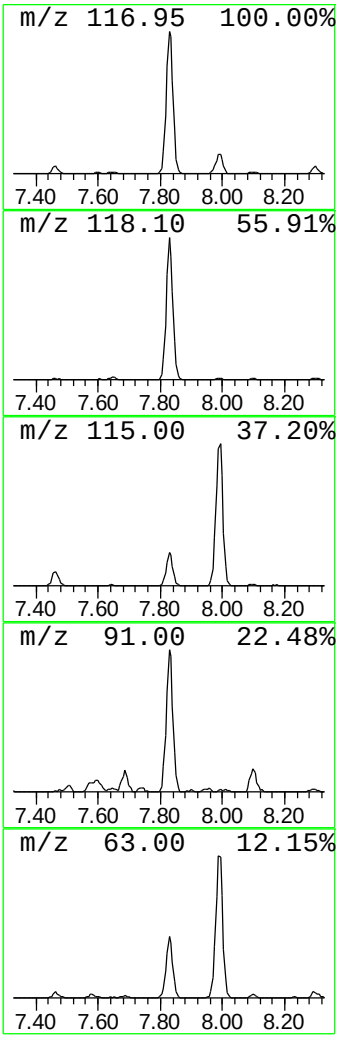
Peak Number 1 Benzene, cyclopropyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	20.00 ng/ul	893795	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4	Indane	118	C9H10	000496-11-7	74
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





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Instrument : BNA_M
ClientSampleId : F5E19

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

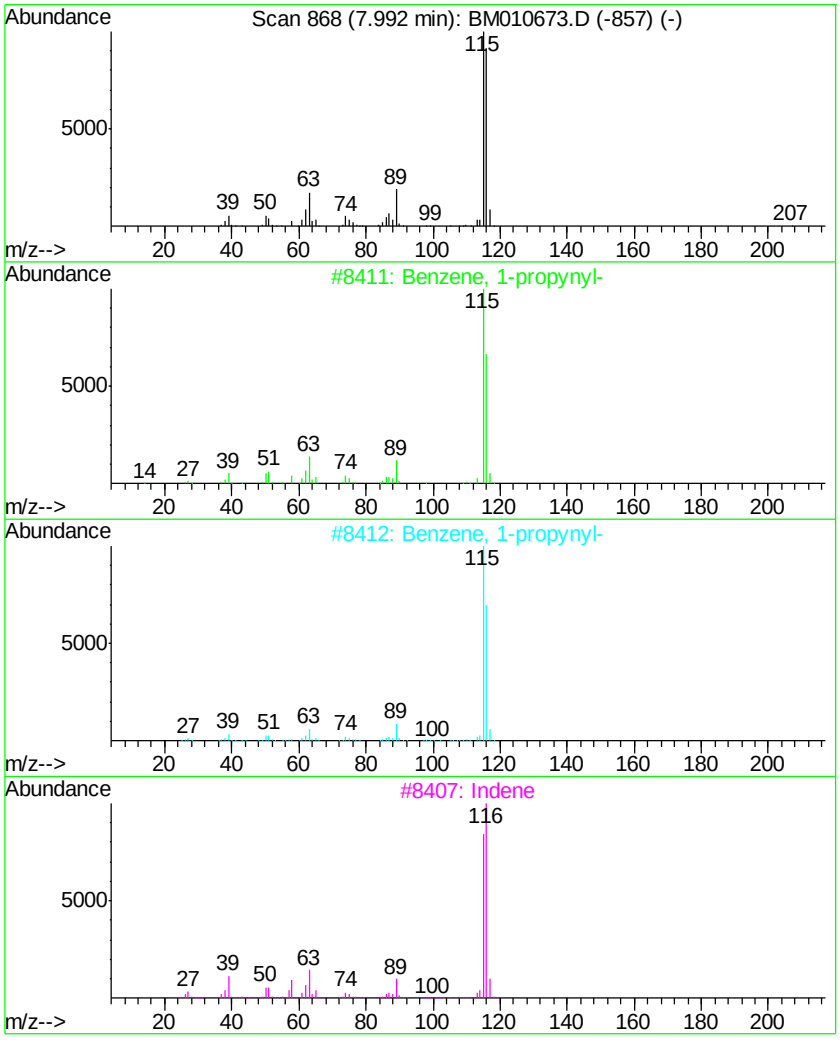
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

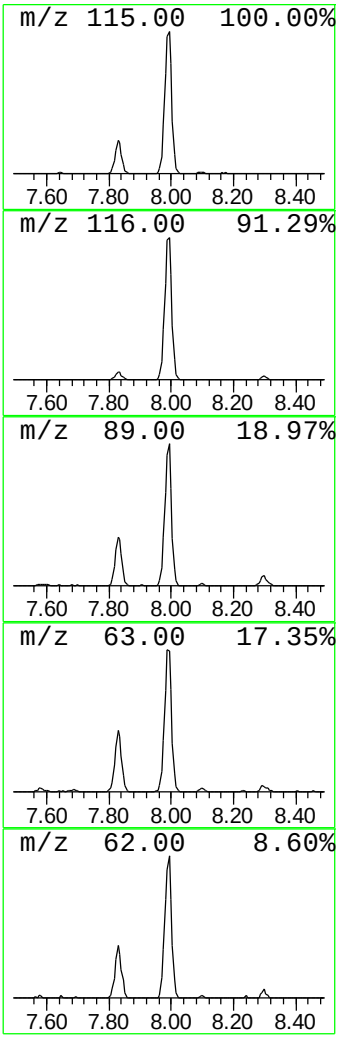
****

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	32.10 ng/ul	1434460	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	91
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





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Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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

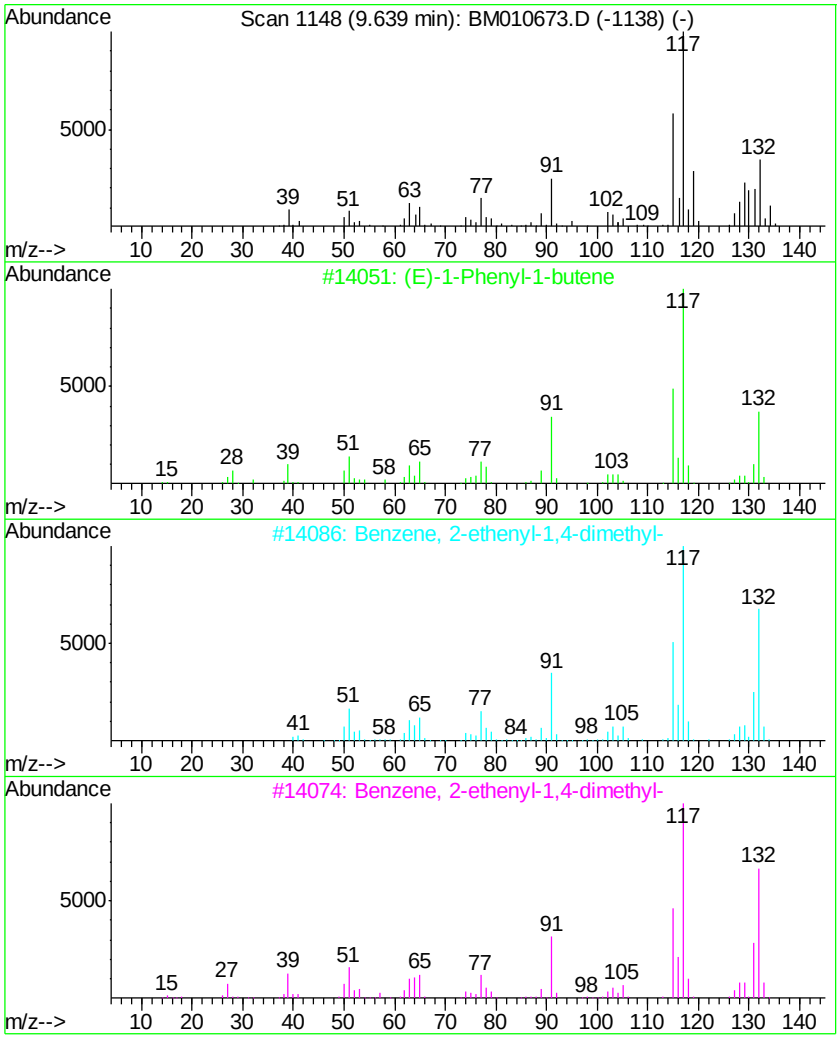
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

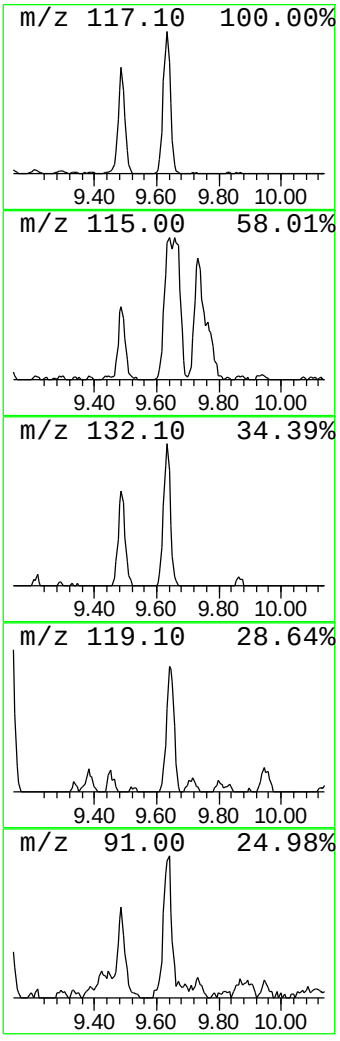
****

Peak Number 3 (E)-1-Phenyl-1-butene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	23.76 ng/ul	682068	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	83
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55





Library Search Compound Report

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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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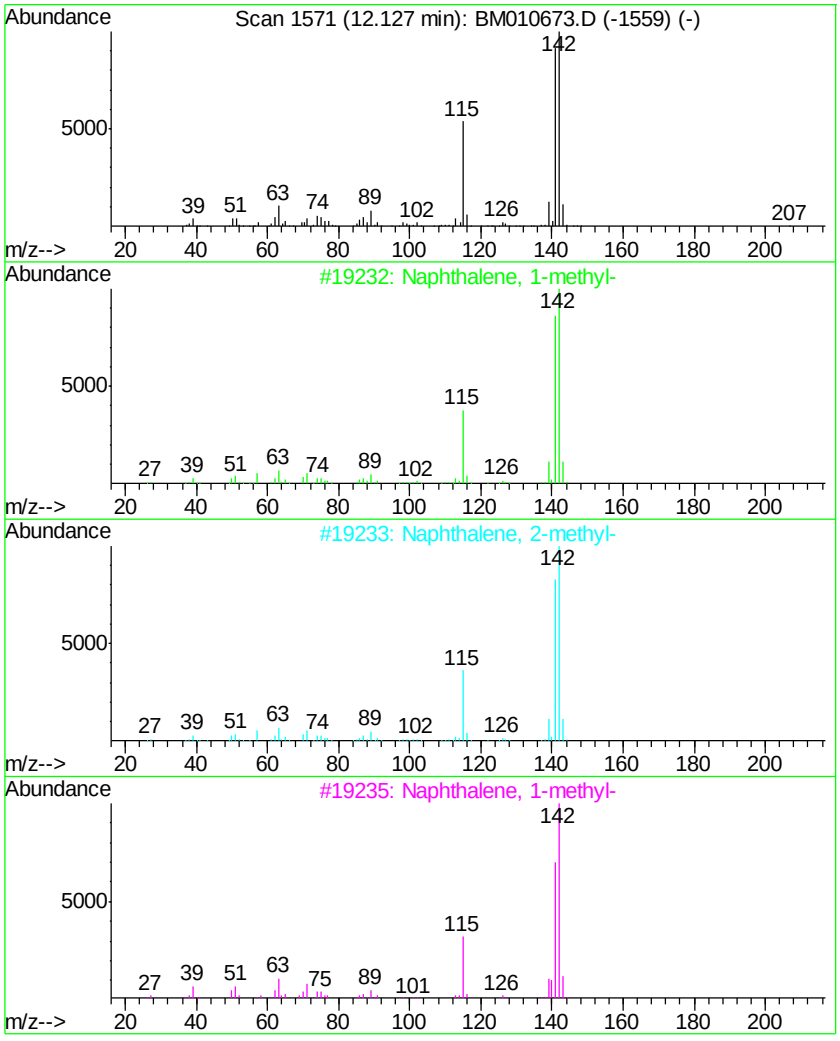
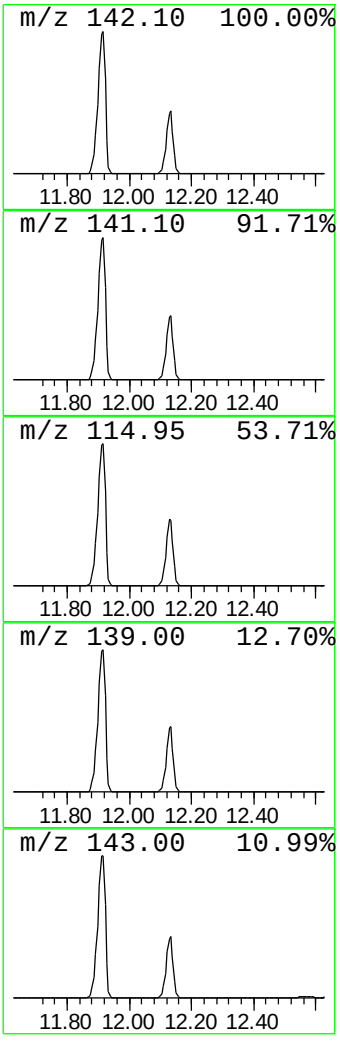
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	222.18 ng/ul	6378230	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





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

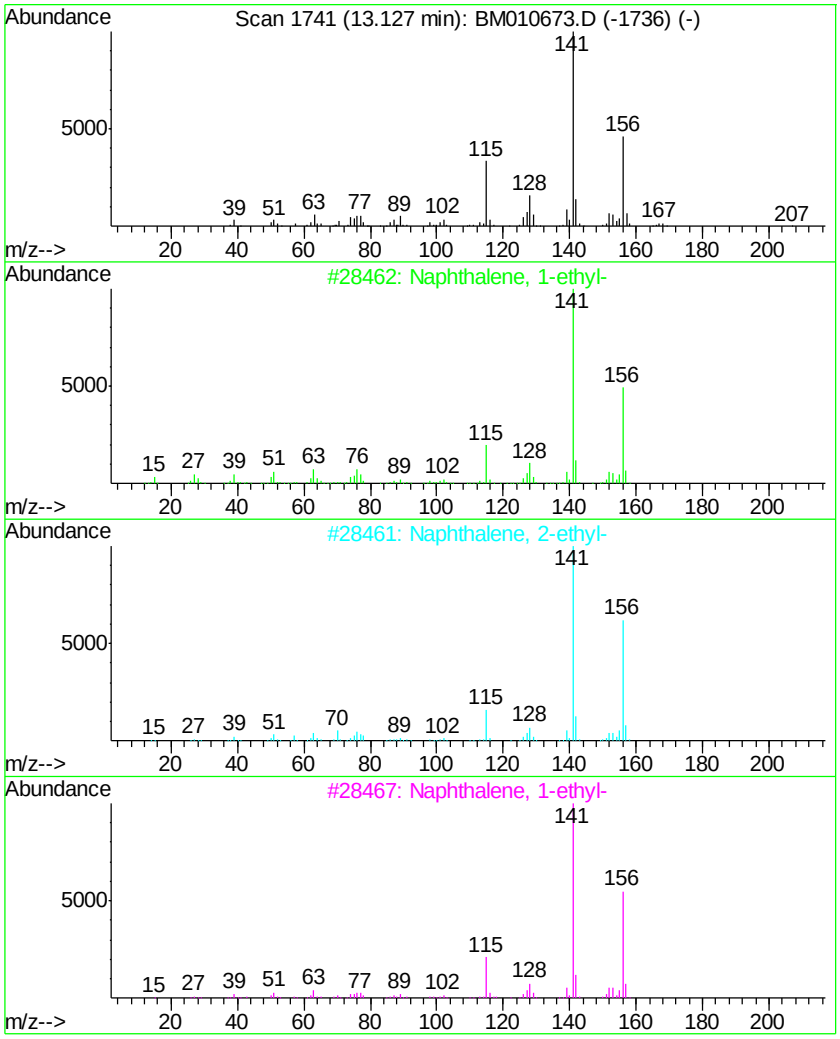
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

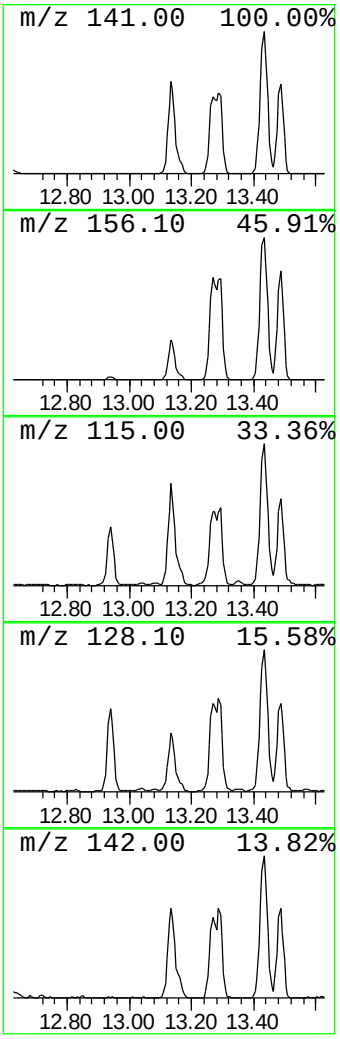
****

Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	11.92 ng/ul	1223670	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	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	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





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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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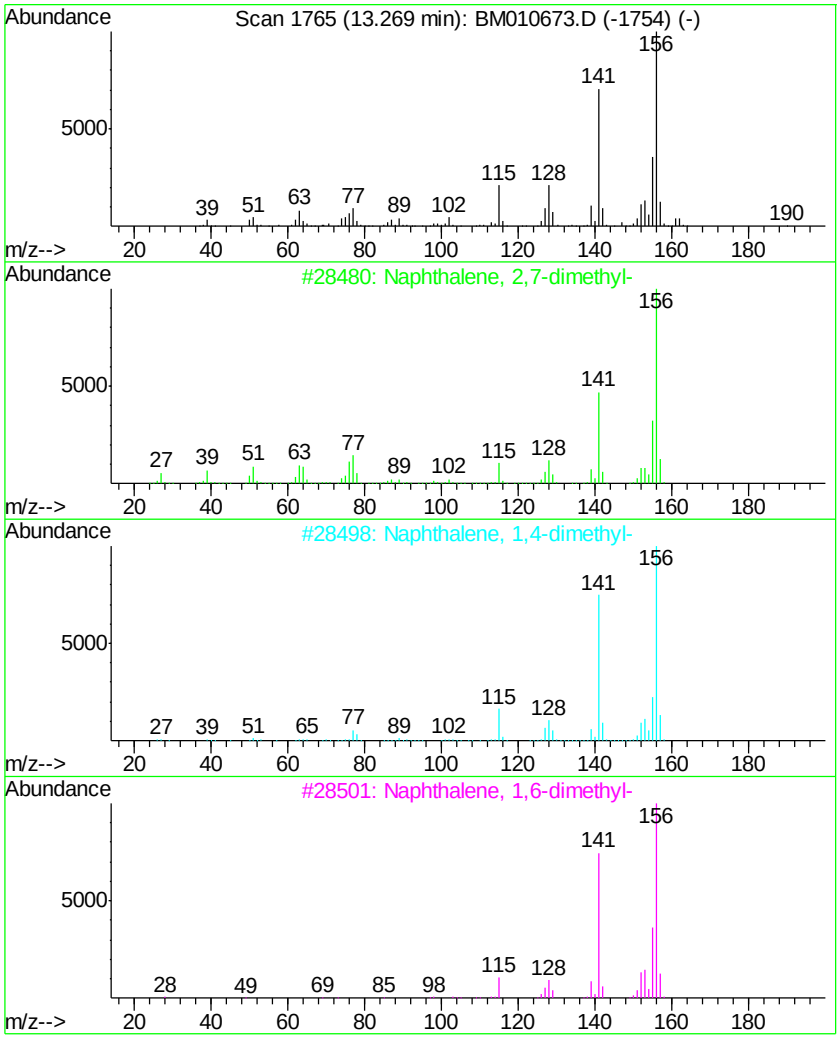
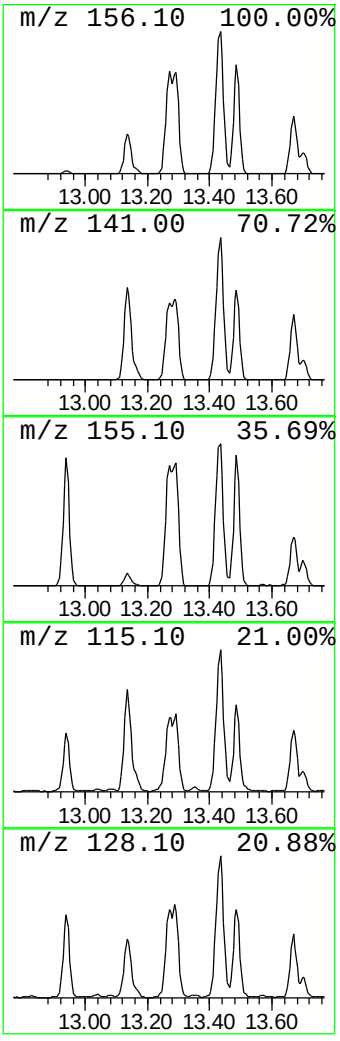
Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	16.89 ng/ul	1733980	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	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





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Instrument : BNA_M
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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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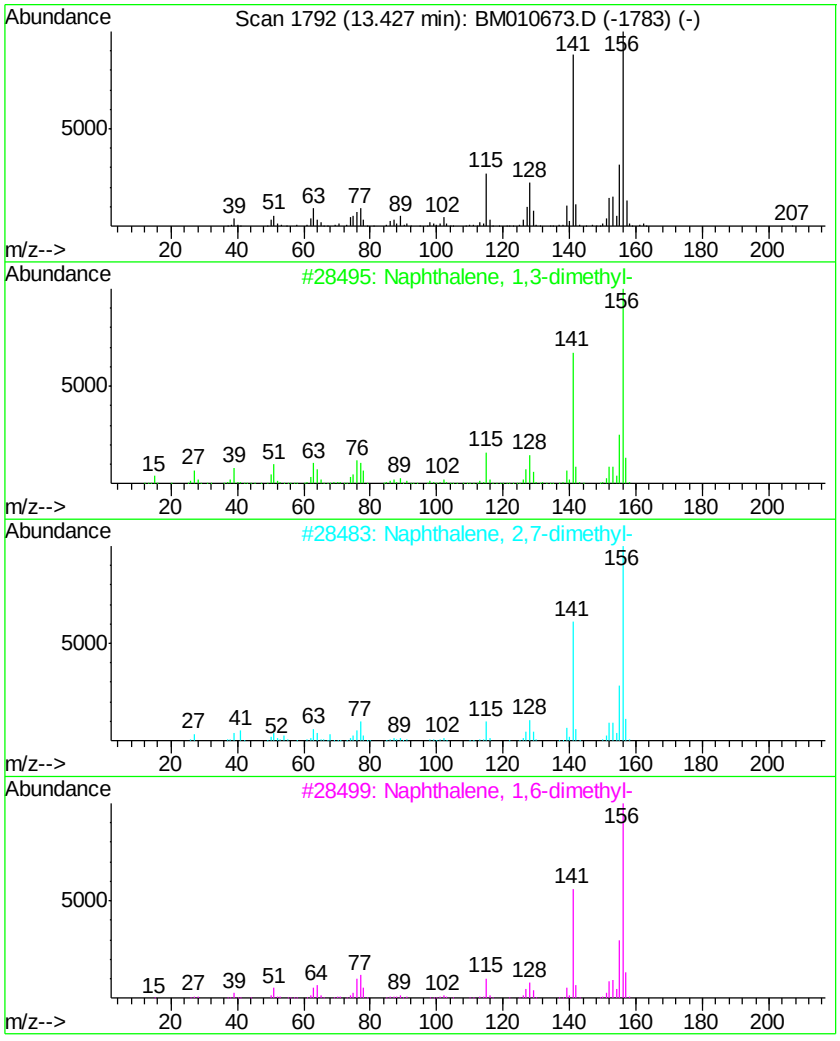
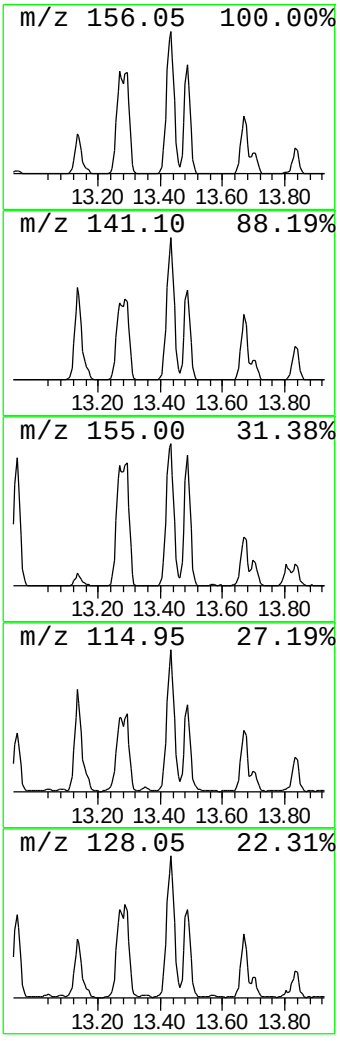
Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	26.76 ng/ul	2747560	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	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Library Search Compound Report

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Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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Quant Title : SVOA CALIBRATION

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

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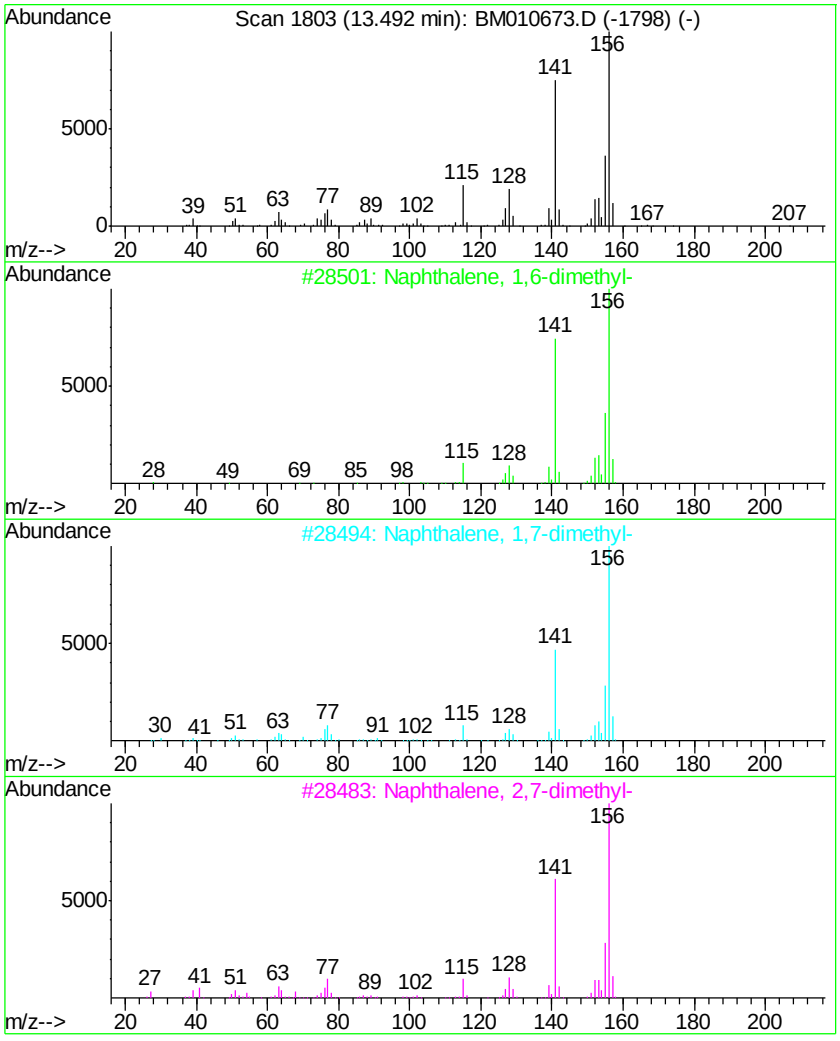
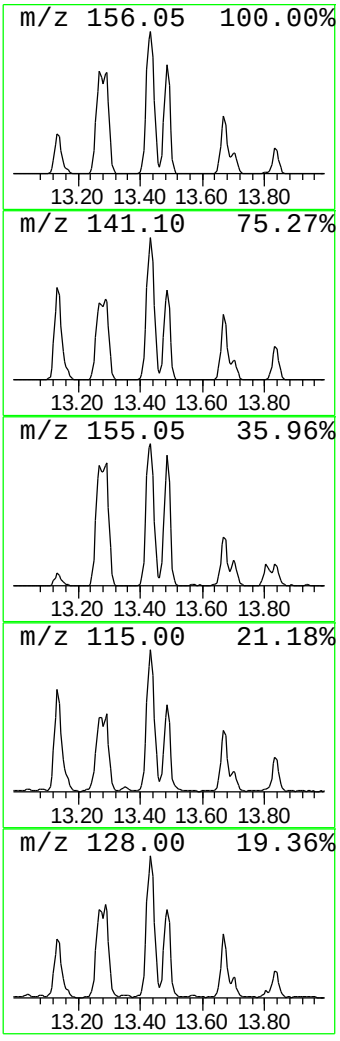
Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	15.57 ng/ul	1598940	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





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Misc :
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ClientSampleId : F5E19

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Quant Title : SVOA CALIBRATION

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

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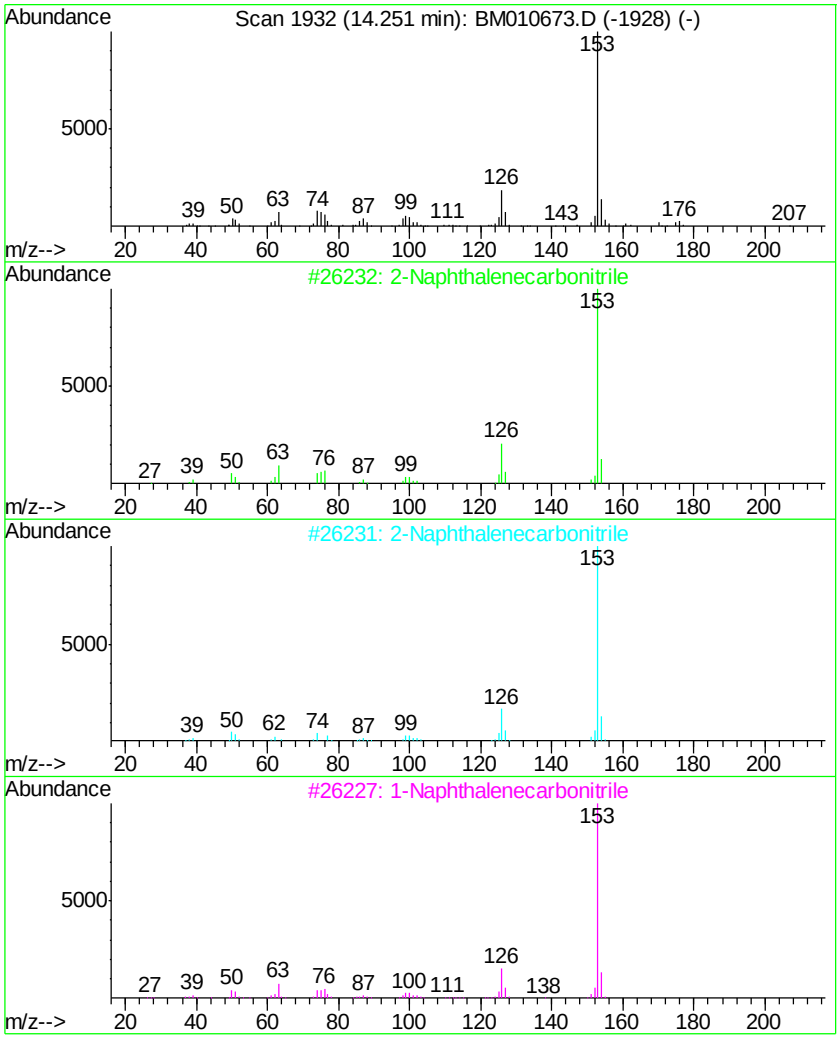
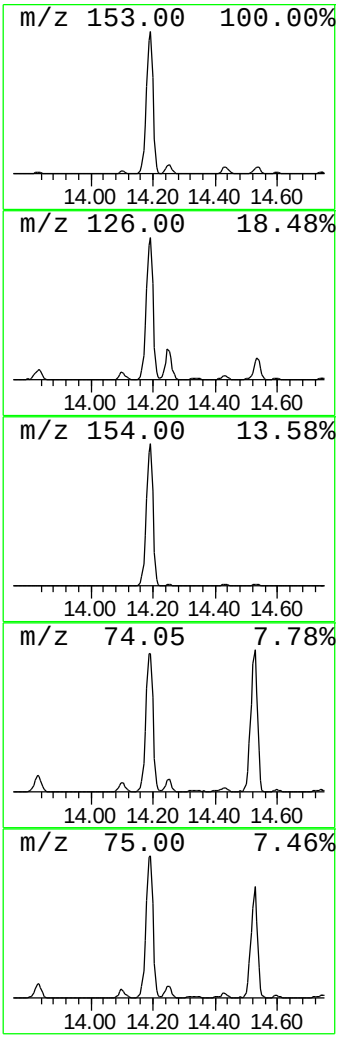
Peak Number 10 2-Naphthalenecarbonitrile Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	5.28 ng/ul	542373	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90





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Quant Title : SVOA CALIBRATION

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

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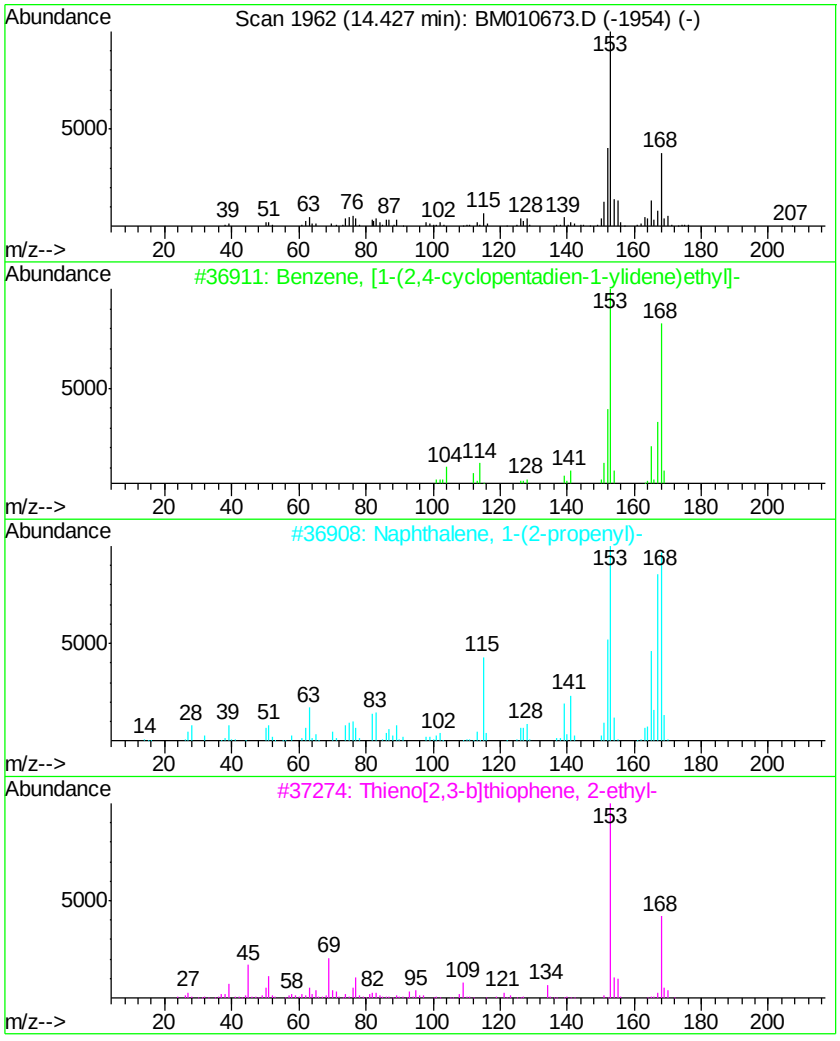
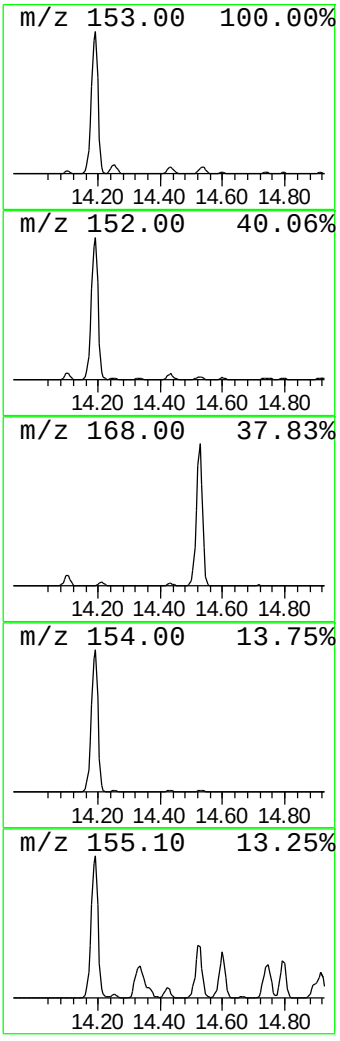
Peak Number 11 Benzene, [1-(2,4-cyclopenta... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	6.45 ng/ul	662452	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	47
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	45
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	43





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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Quant Title : SVOA CALIBRATION

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

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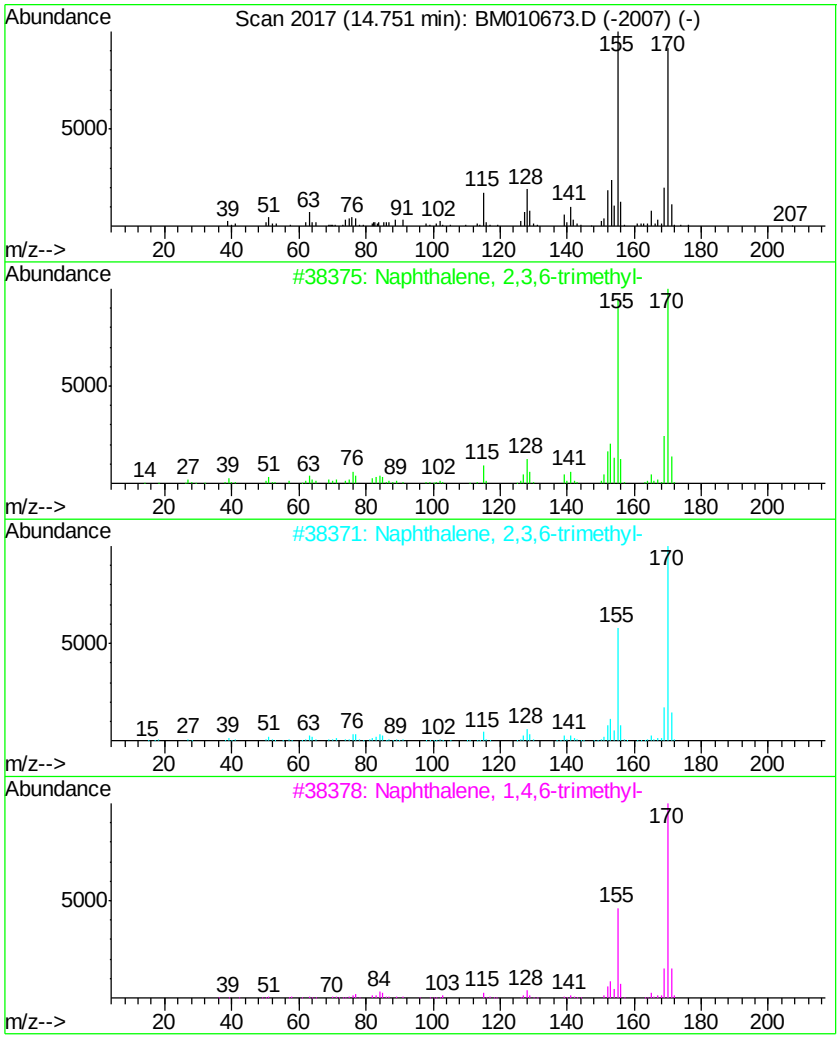
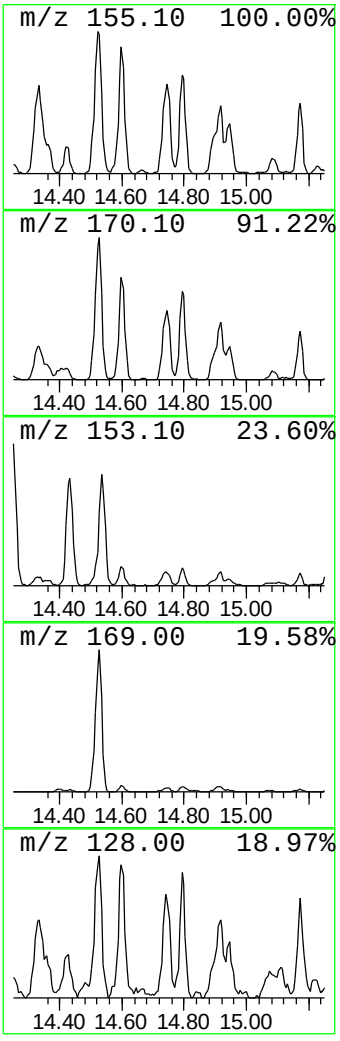
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	5.18 ng/ul	531856	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	97
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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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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Quant Title : SVOA CALIBRATION

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

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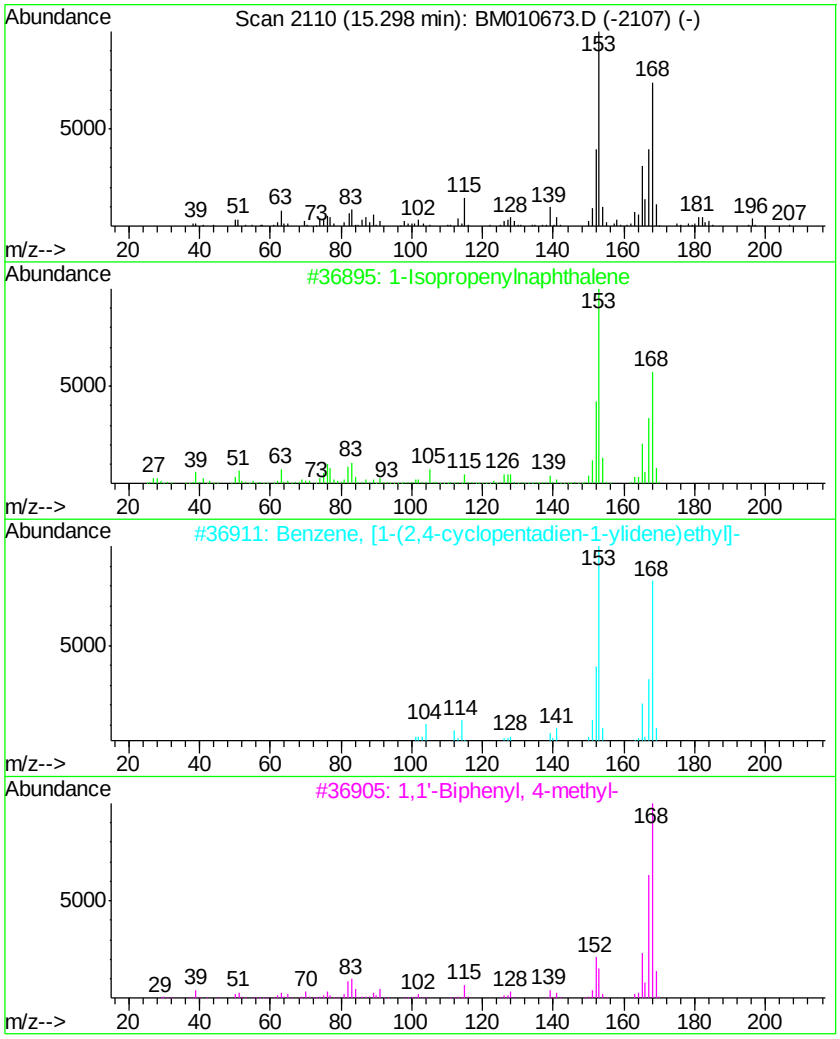
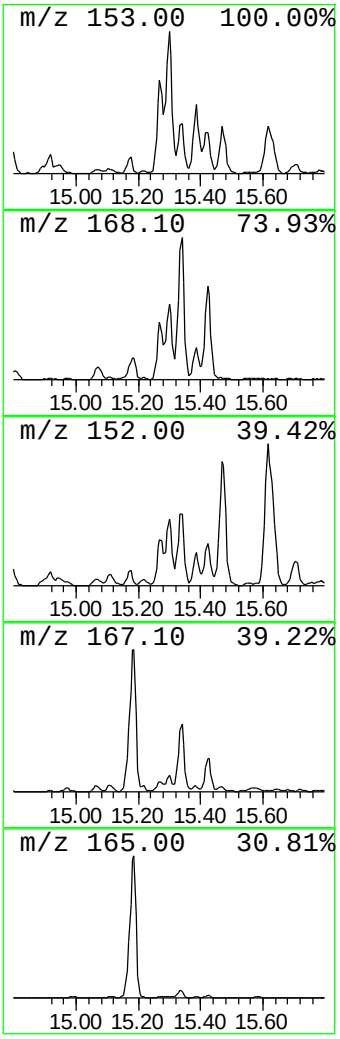
Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	7.44 ng/ul	764221	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	58
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





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Quant Title : SVOA CALIBRATION

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

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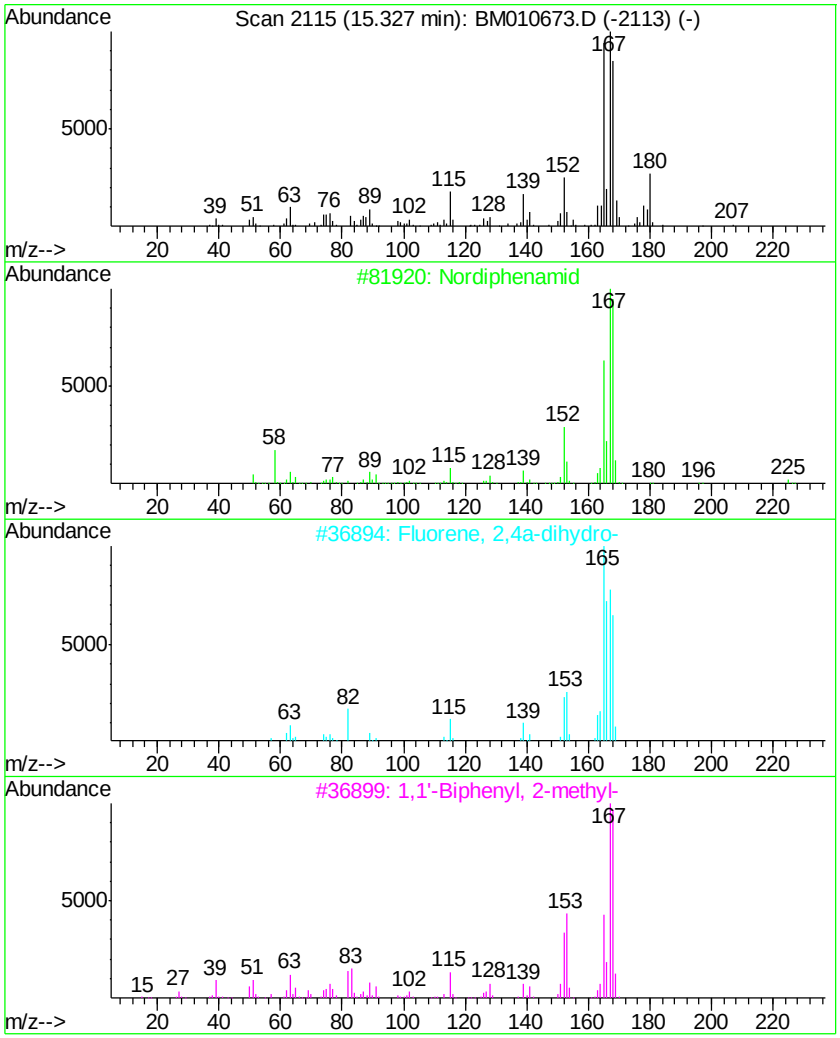
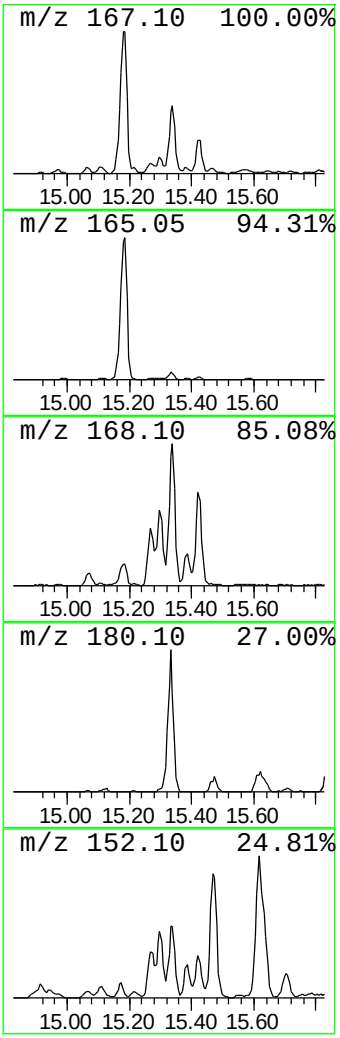
Peak Number 14 Nordiphenamid Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	14.13 ng/ul	1451170	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	70
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	46
5	Diphenylmethane	168	C13H12	000101-81-5	46





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Misc :
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Instrument : BNA_M
ClientSampleId : F5E19

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Quant Title : SVOA CALIBRATION

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

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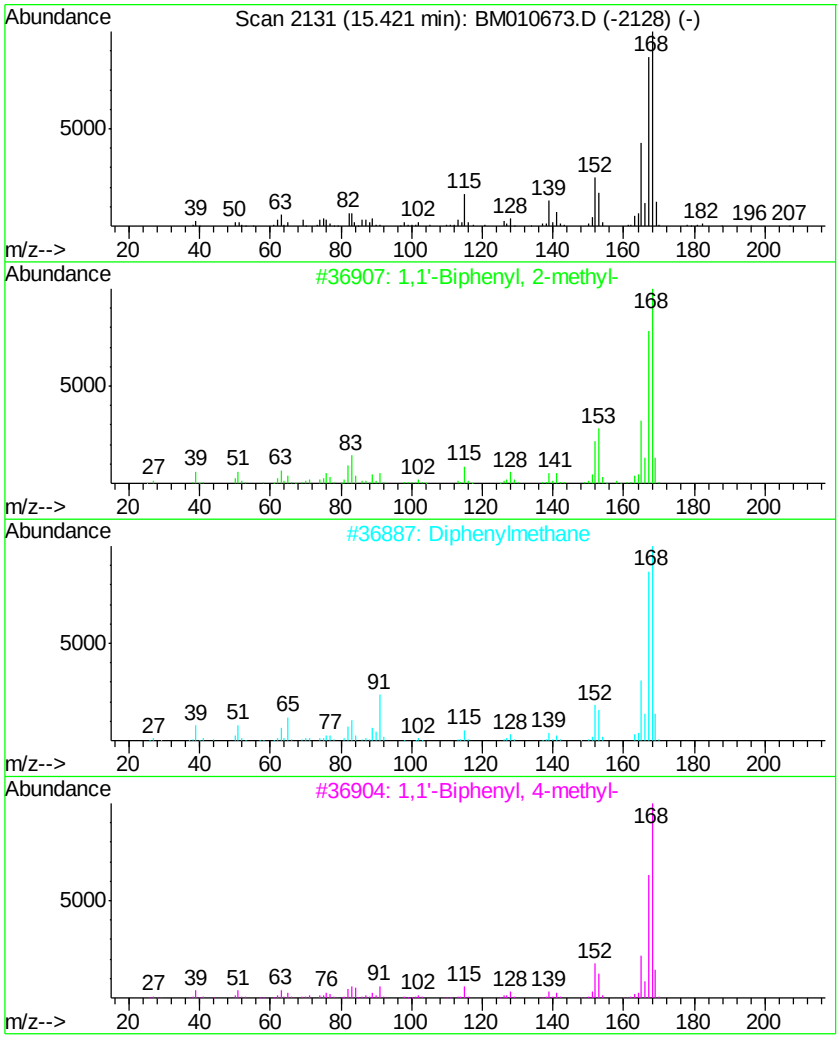
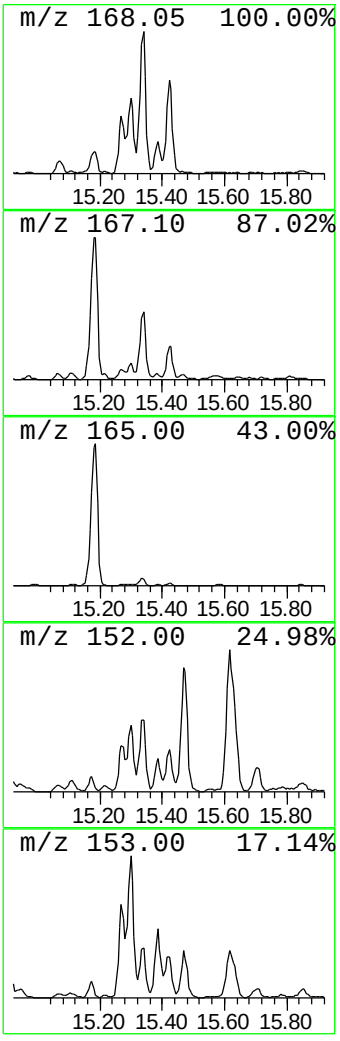
Peak Number 15 1,1'-Biphenyl, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	6.83 ng/ul	701729	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
2	Diphenylmethane	168	C13H12	000101-81-5	81
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
4	Diphenylmethane	168	C13H12	000101-81-5	81
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	81





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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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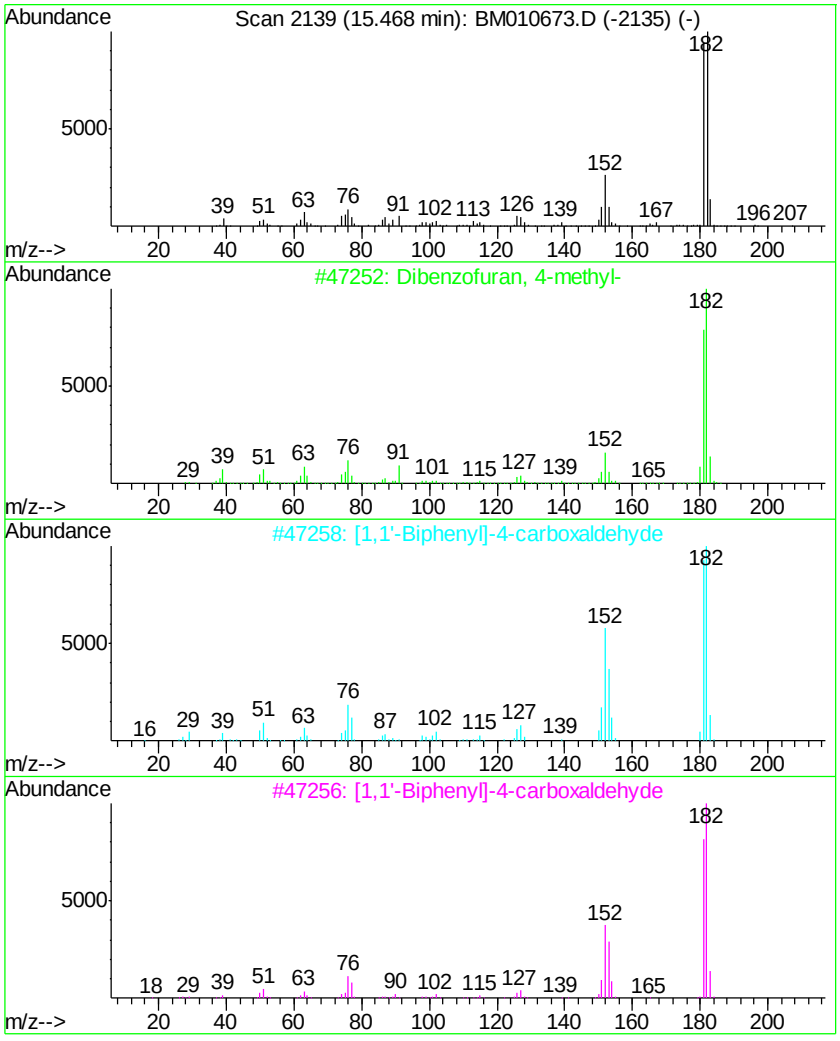
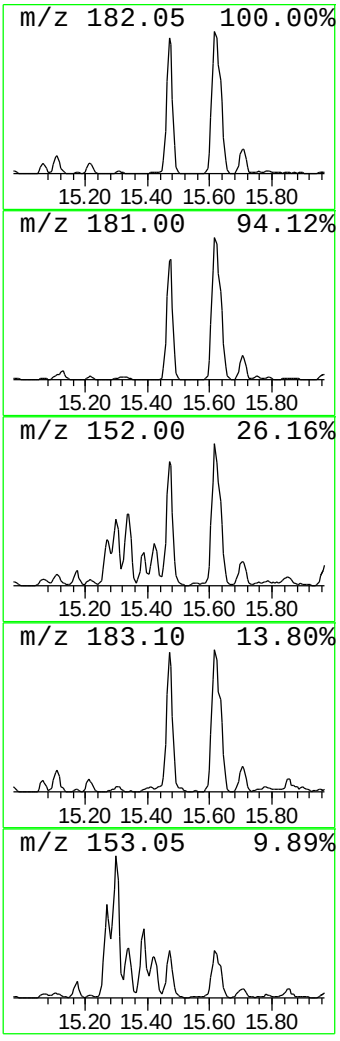
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	18.84 ng/ul	1933980	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Quant Title : SVOA CALIBRATION

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

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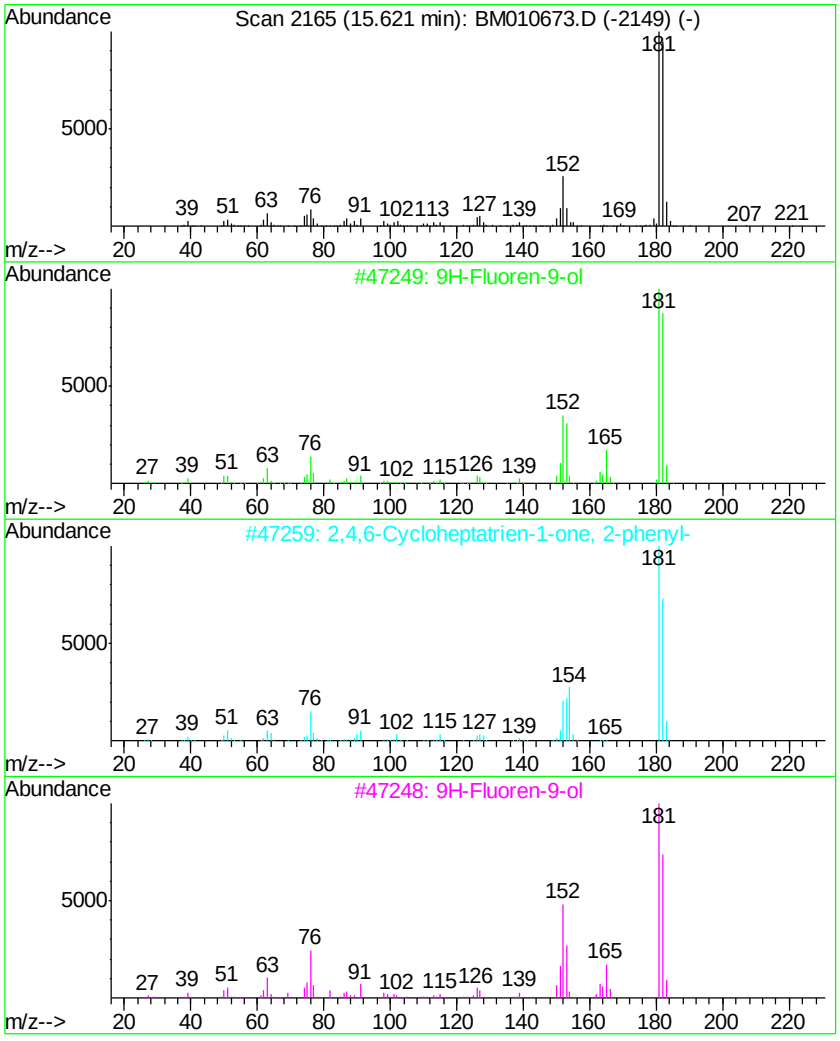
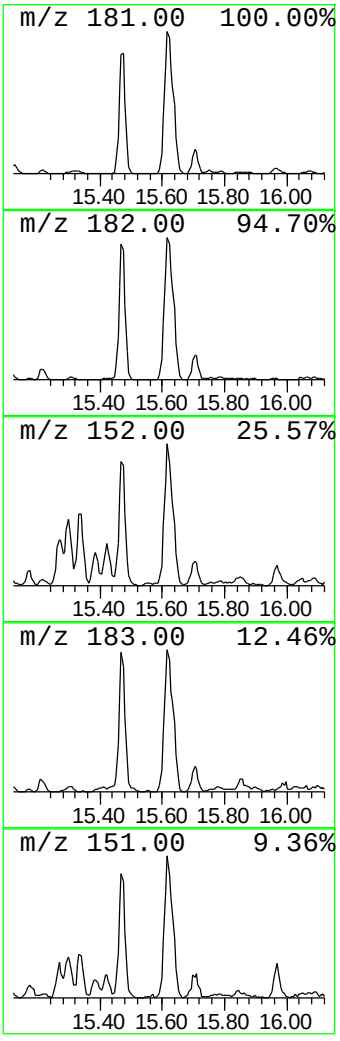
Peak Number 17 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	55.46 ng/ul	3108720	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Quant Title : SVOA CALIBRATION

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

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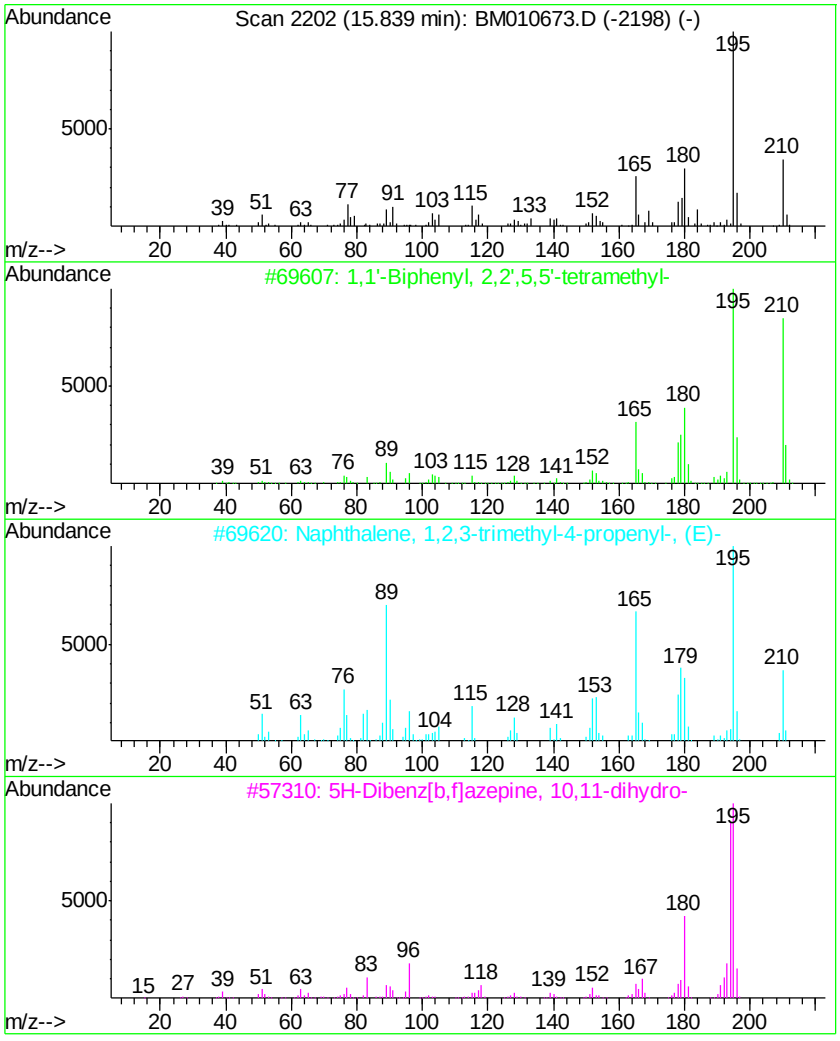
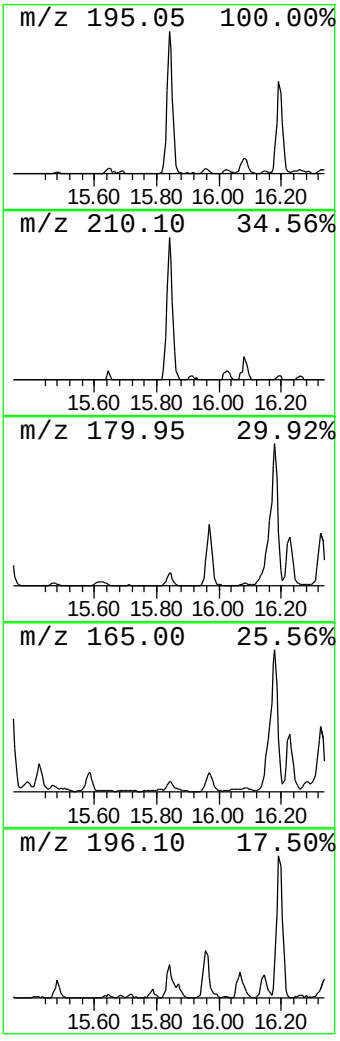
Peak Number 18 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	10.79 ng/ul	604914	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	70
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	62
3	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	53
4	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	47
5	Carbazole, 4,5-dimethyl-	195	C14H13N	018992-66-0	46





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Quant Title : SVOA CALIBRATION

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

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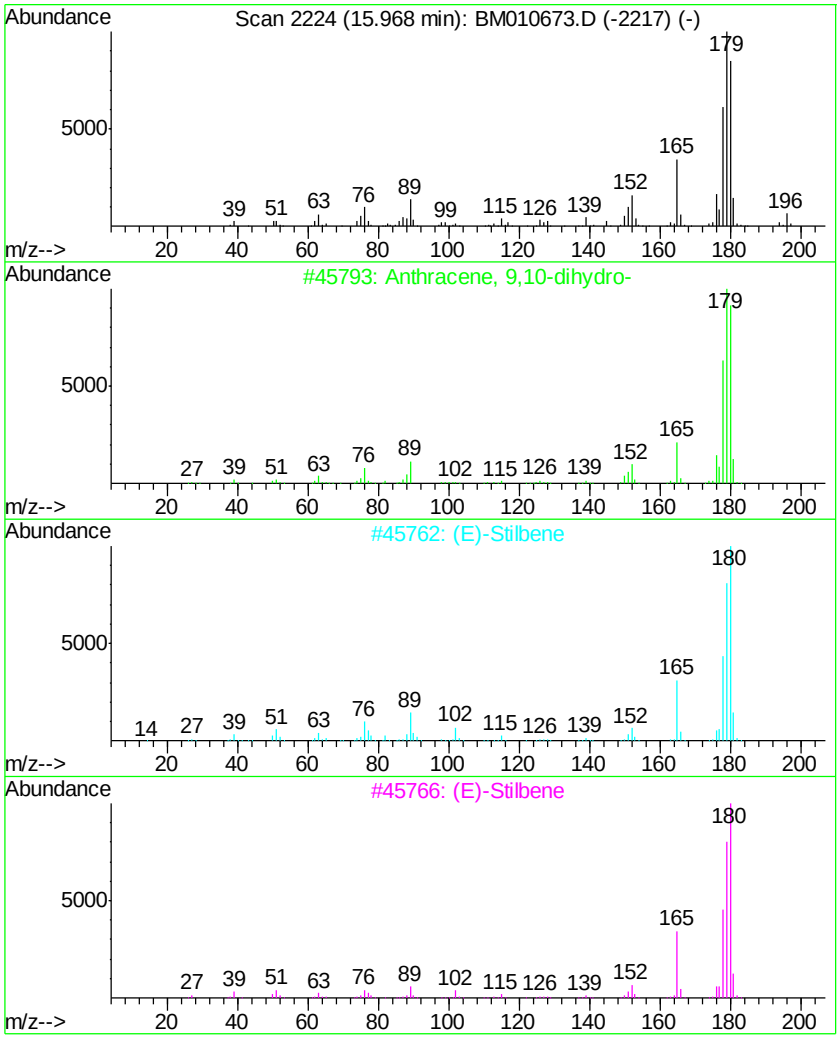
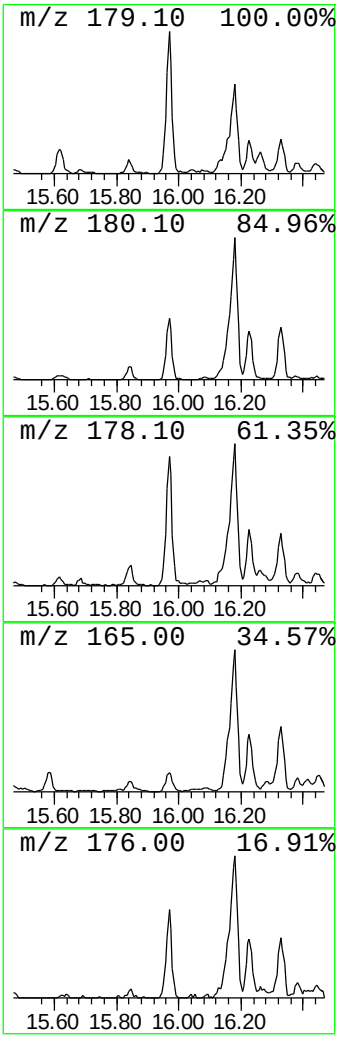
Peak Number 19 Anthracene, 9,10-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	13.27 ng/ul	744022	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
2	(E)-Stilbene	180	C14H12	000103-30-0	90
3	(E)-Stilbene	180	C14H12	000103-30-0	90
4	(E)-Stilbene	180	C14H12	000103-30-0	90
5	(E)-Stilbene	180	C14H12	000103-30-0	89





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Acq On : 22 Jun 2017 23:09
Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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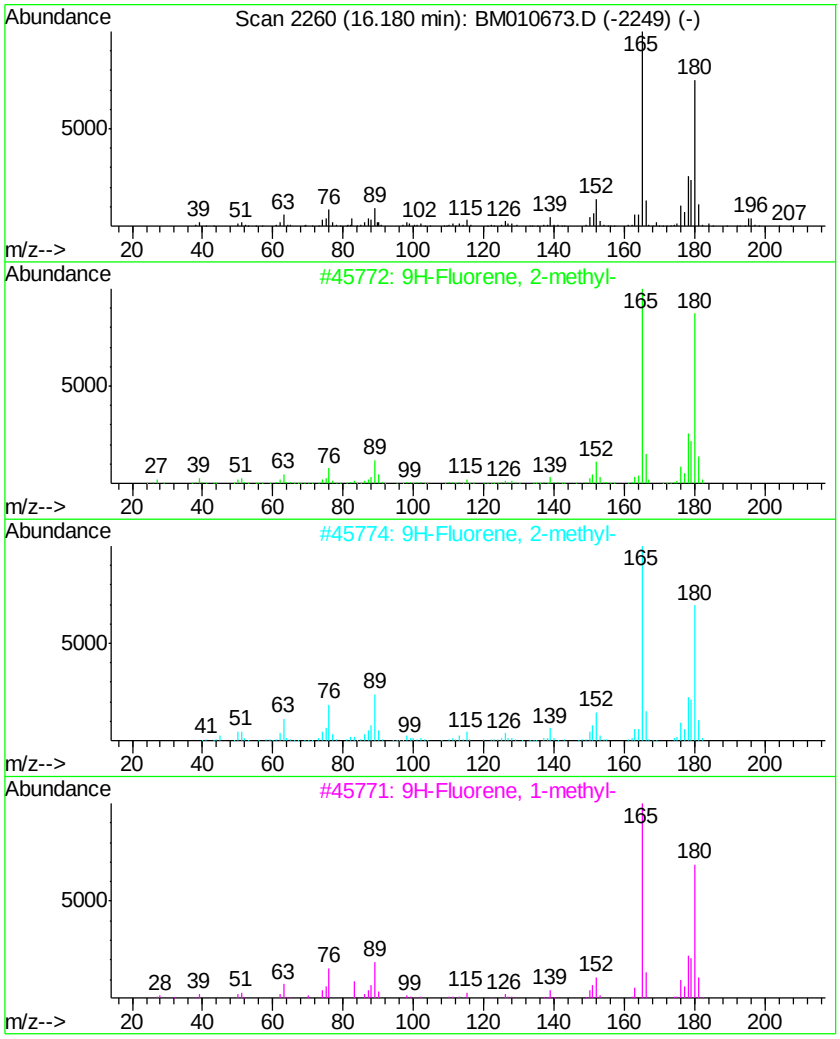
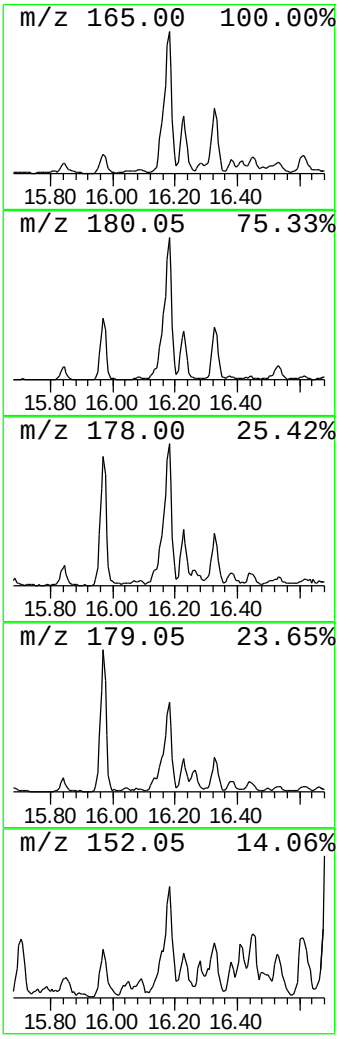
Peak Number 20 9H-Fluorene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	37.39 ng/ul	2095760	Phenanthrene-d10	16.87

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





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Acq On : 22 Jun 2017 23:09
Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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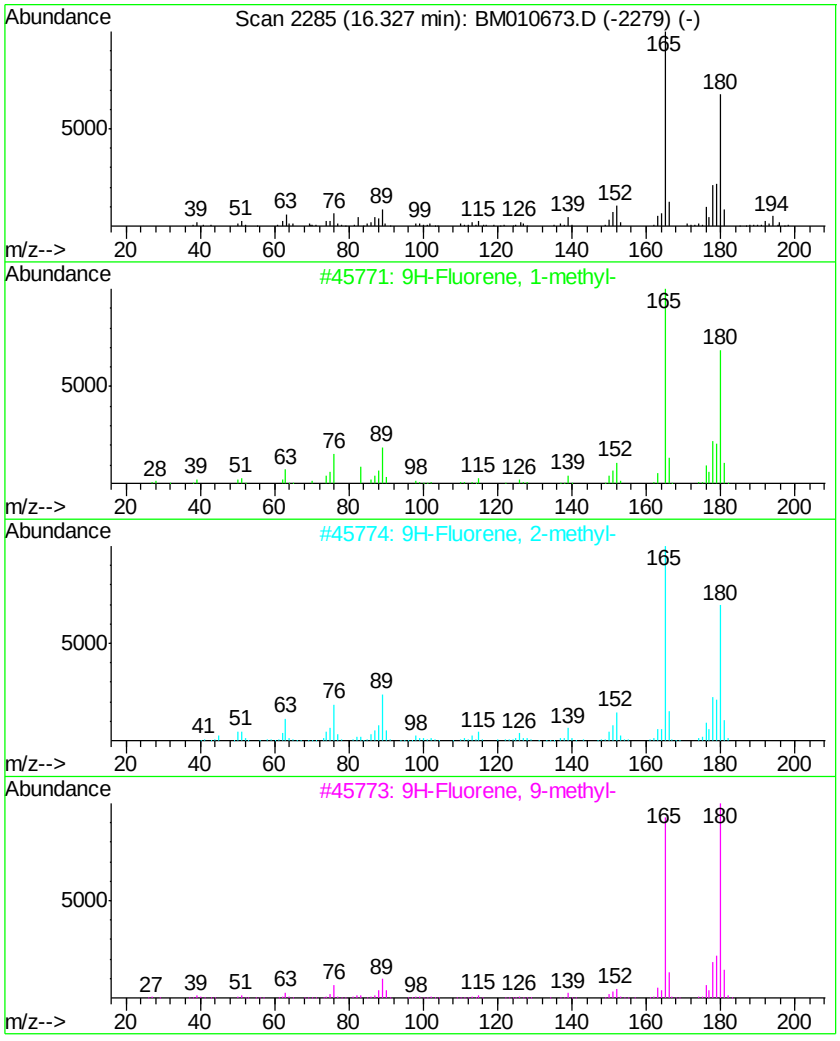
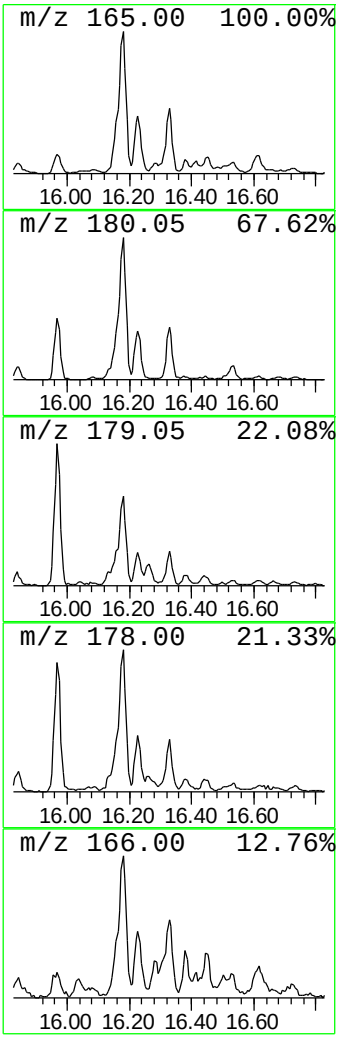
Peak Number 21 9H-Fluorene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	12.29 ng/ul	689090	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81





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Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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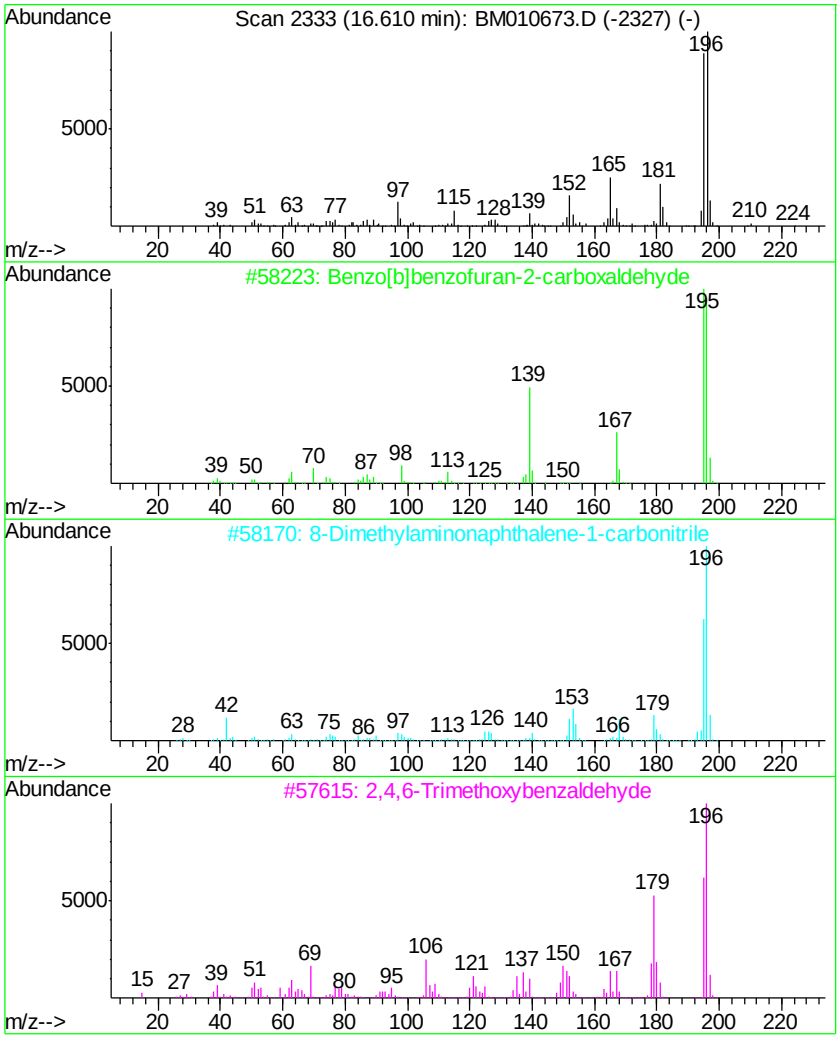
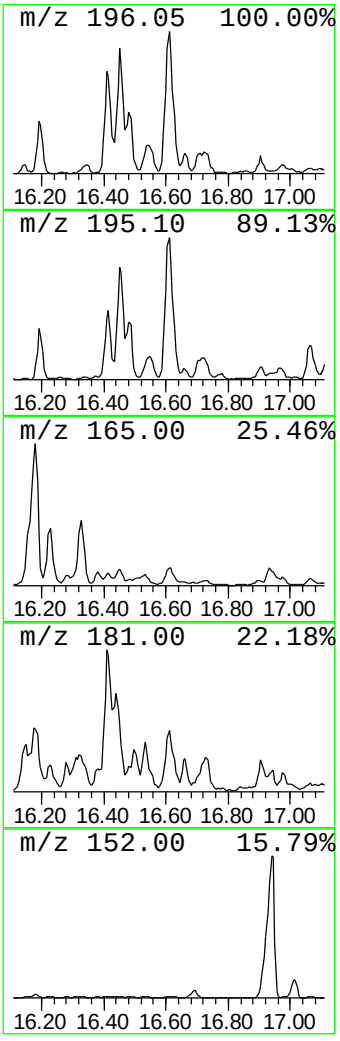
Peak Number 22 Benzo[b]benzofuran-2-carbox... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	17.70 ng/ul	992279	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	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	50
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46





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Acq On : 22 Jun 2017 23:09
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Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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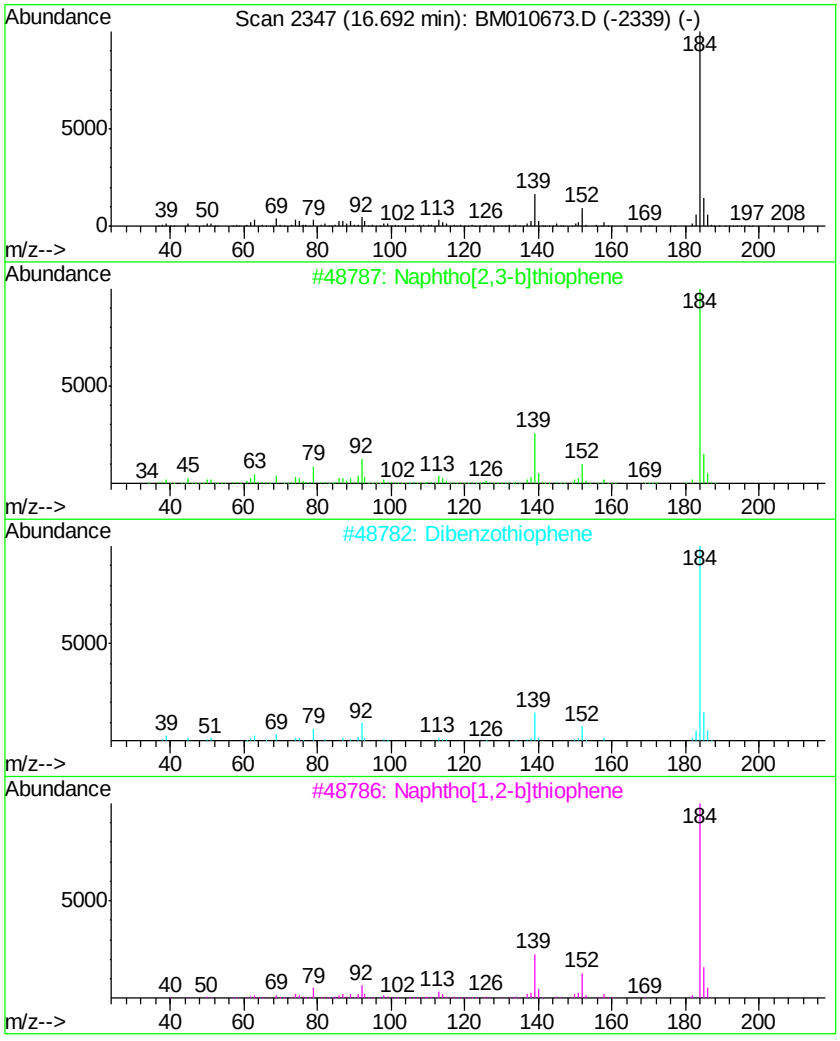
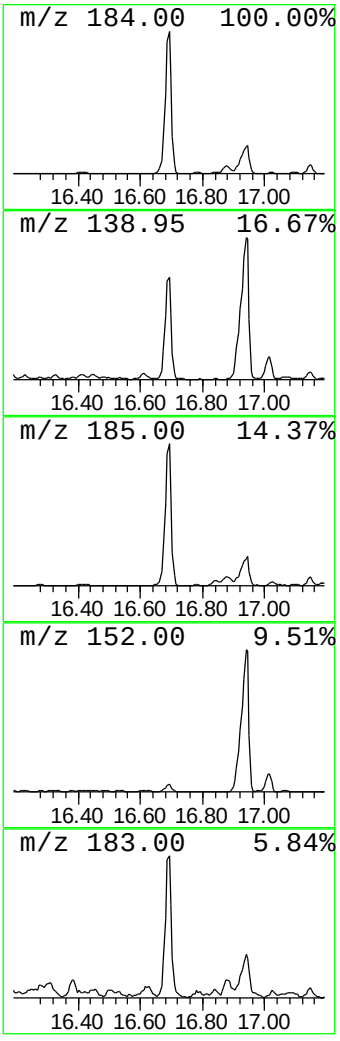
Peak Number 23 Naphtho[2,3-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	48.78 ng/ul	2734380	Phenanthrene-d10	16.87

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





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Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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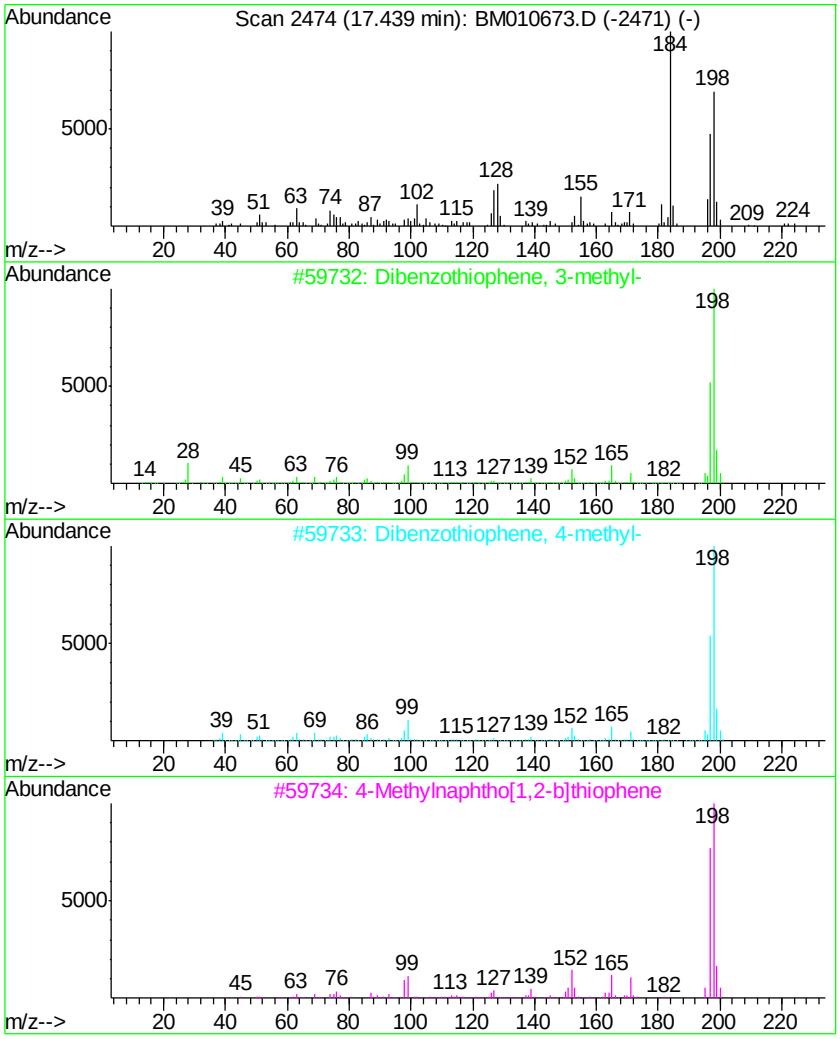
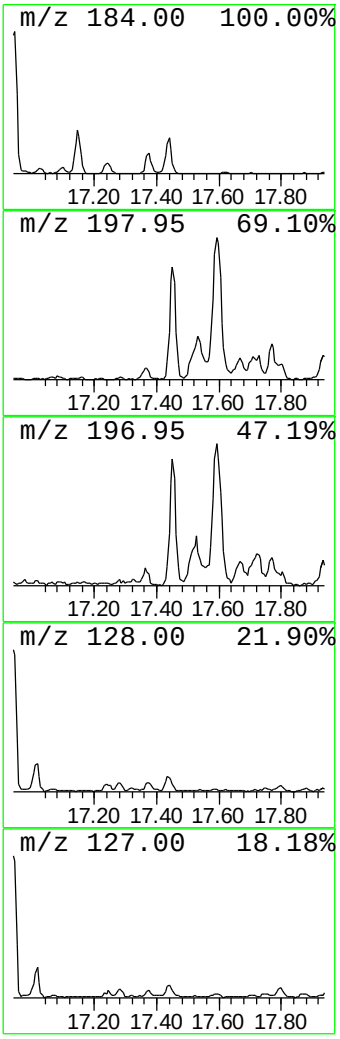
Peak Number 24 Dibenzothiophene, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	10.34 ng/ul	579459	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	62
4	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	50
5	Tacrine	198	C13H14N2	000321-64-2	50





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Acq On : 22 Jun 2017 23:09
Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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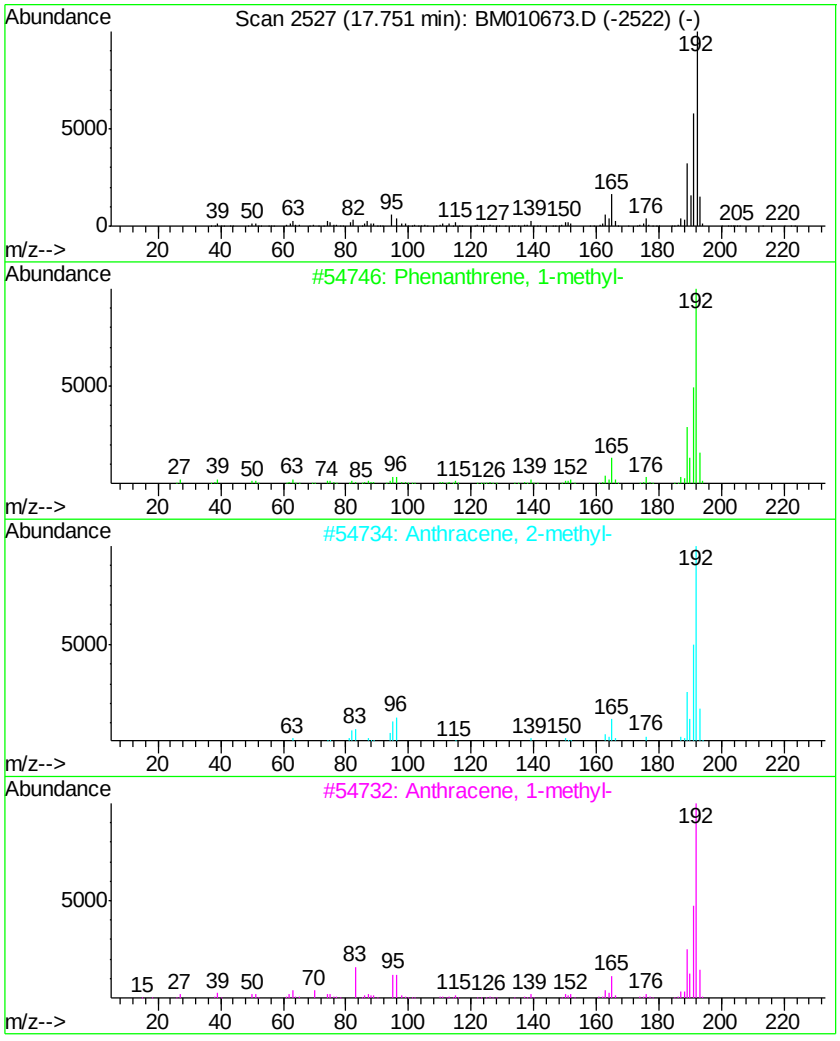
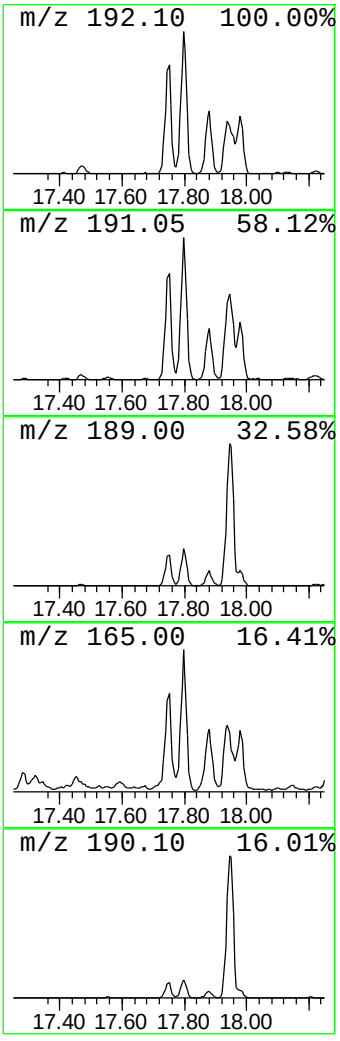
Peak Number 25 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	43.32 ng/ul	2427950	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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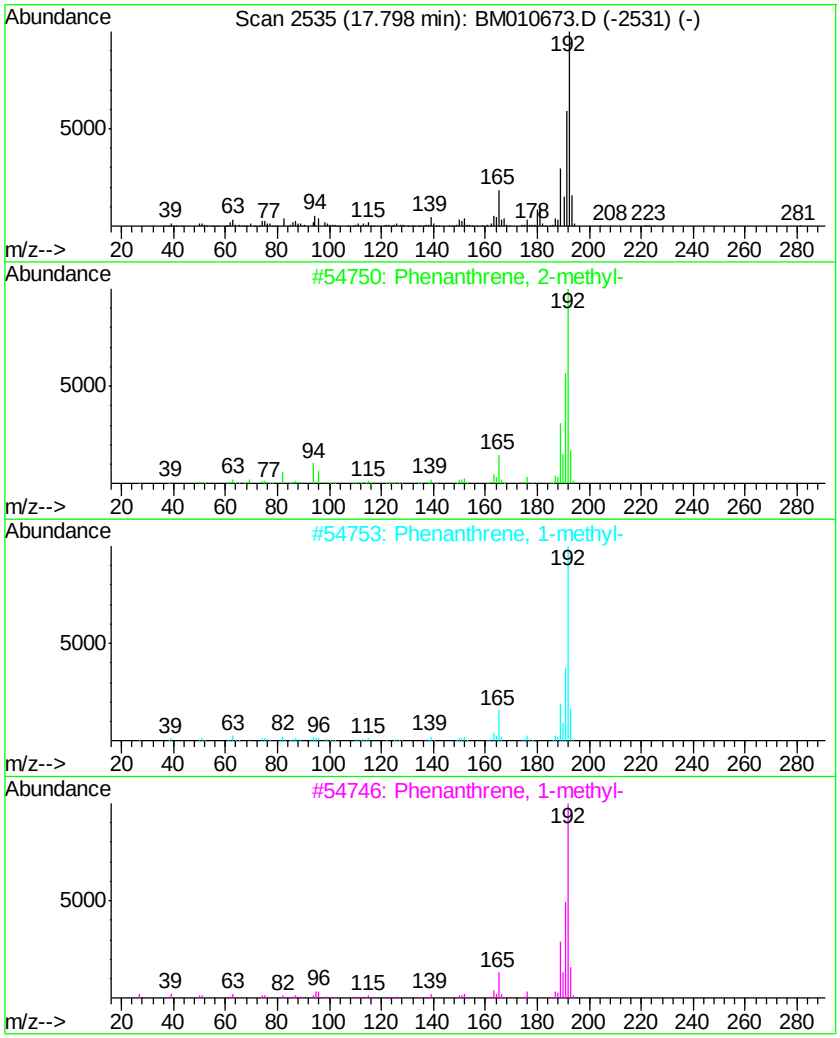
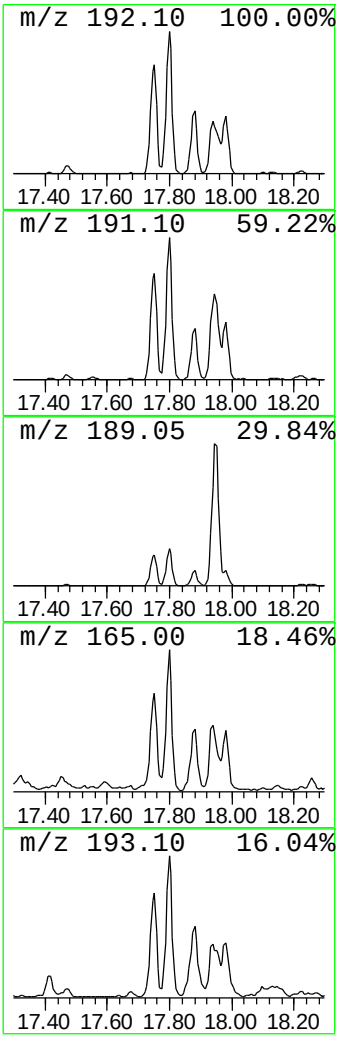
Peak Number 26 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	66.91 ng/ul	3750510	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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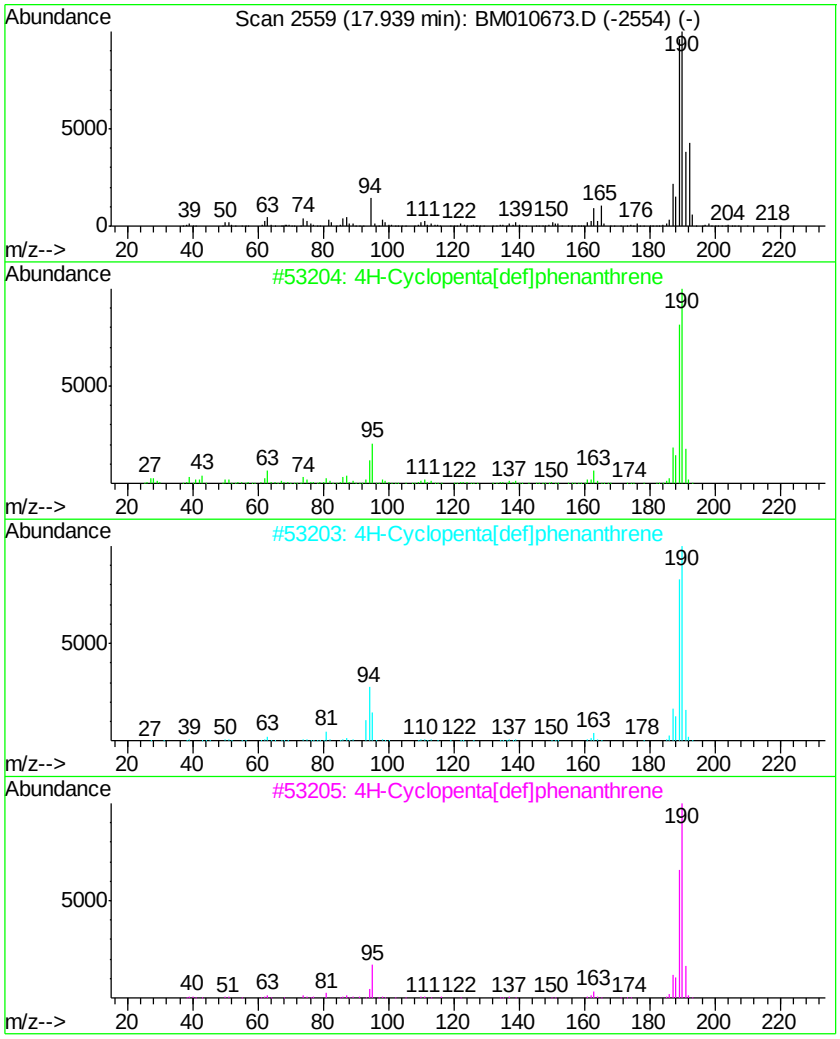
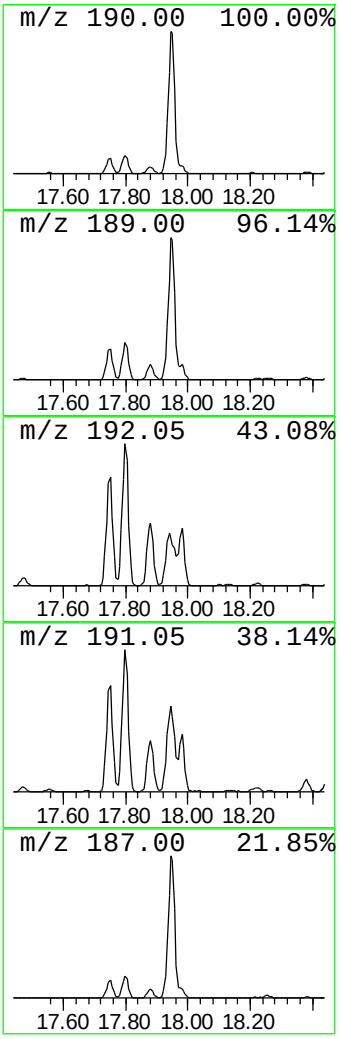
Peak Number 28 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	102.26 ng/ul	5731840	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	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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Quant Title : SVOA CALIBRATION

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

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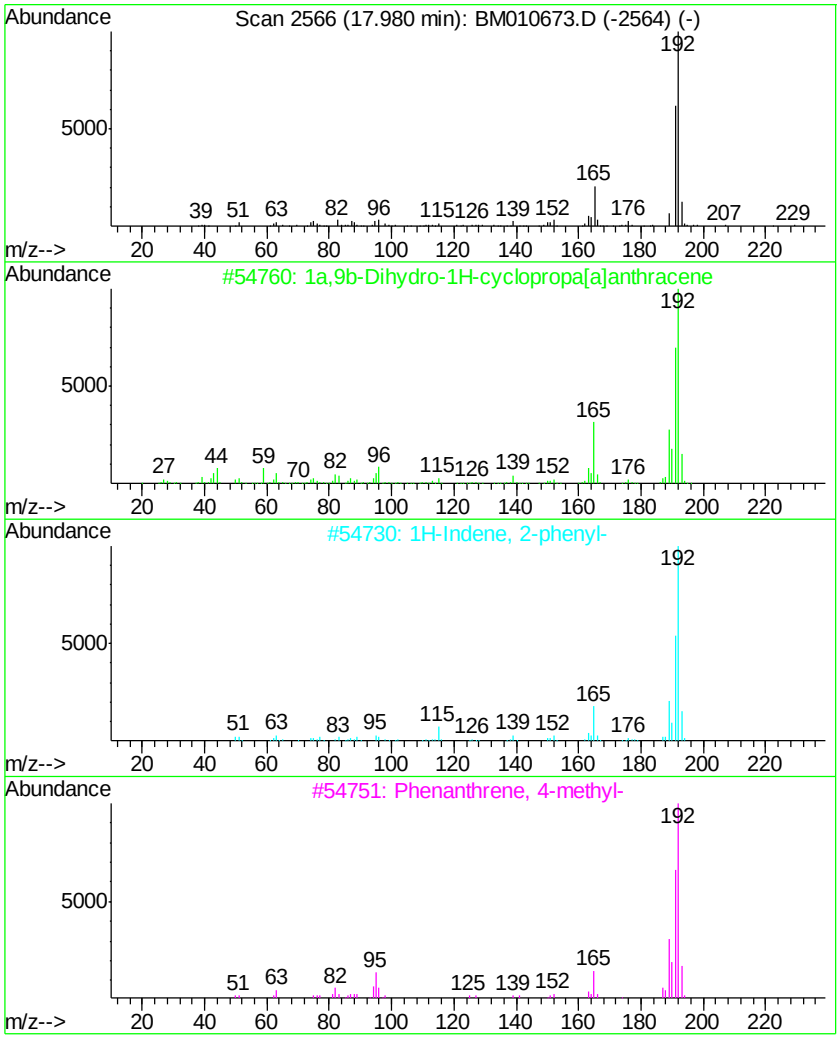
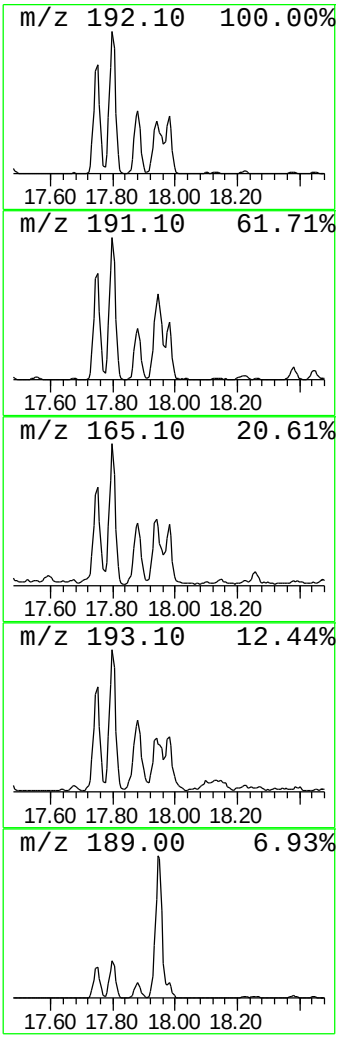
Peak Number 29 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	18.66 ng/ul	1045710	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





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Misc :
ALS Vial : 24 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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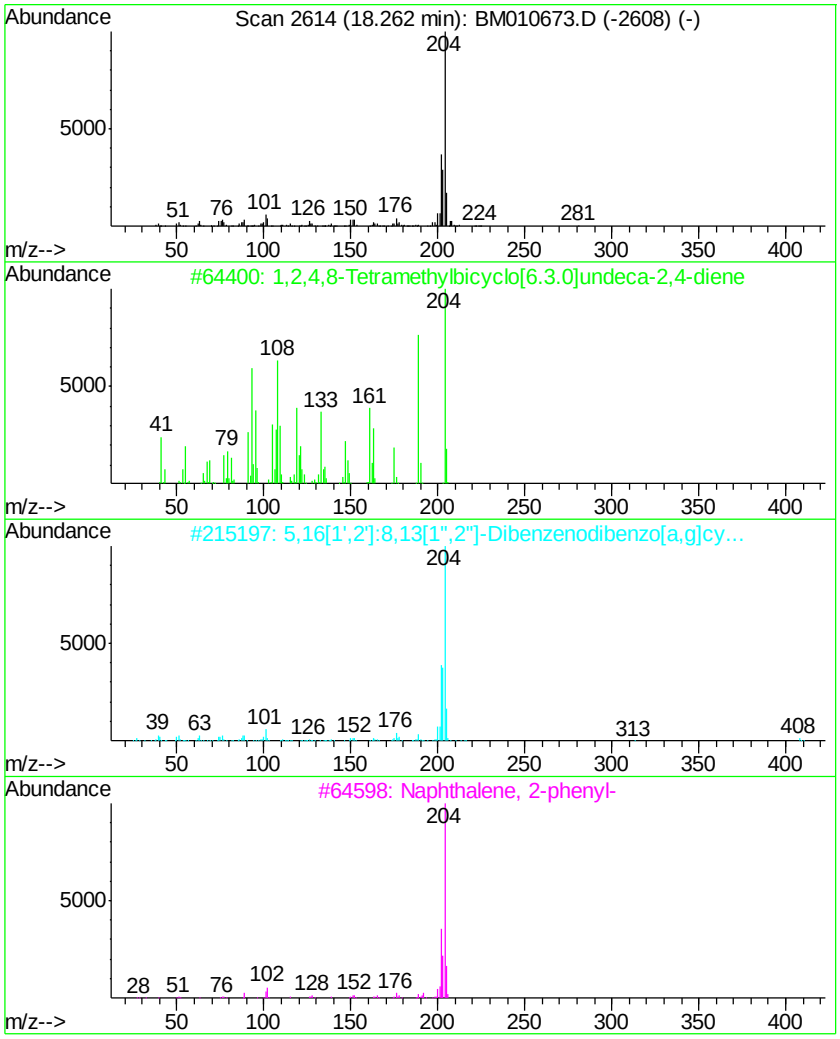
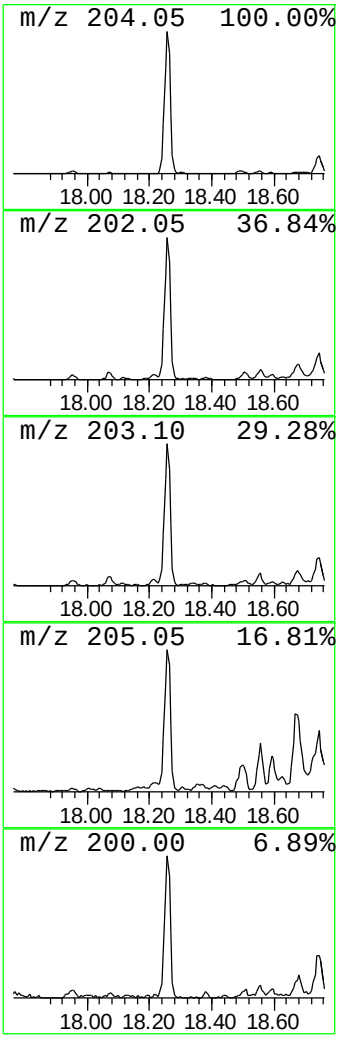
Peak Number 30 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	31.83 ng/ul	1784140	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	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	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





Library Search Compound Report

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Data File : BM010673.D
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Quant Title : SVOA CALIBRATION

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

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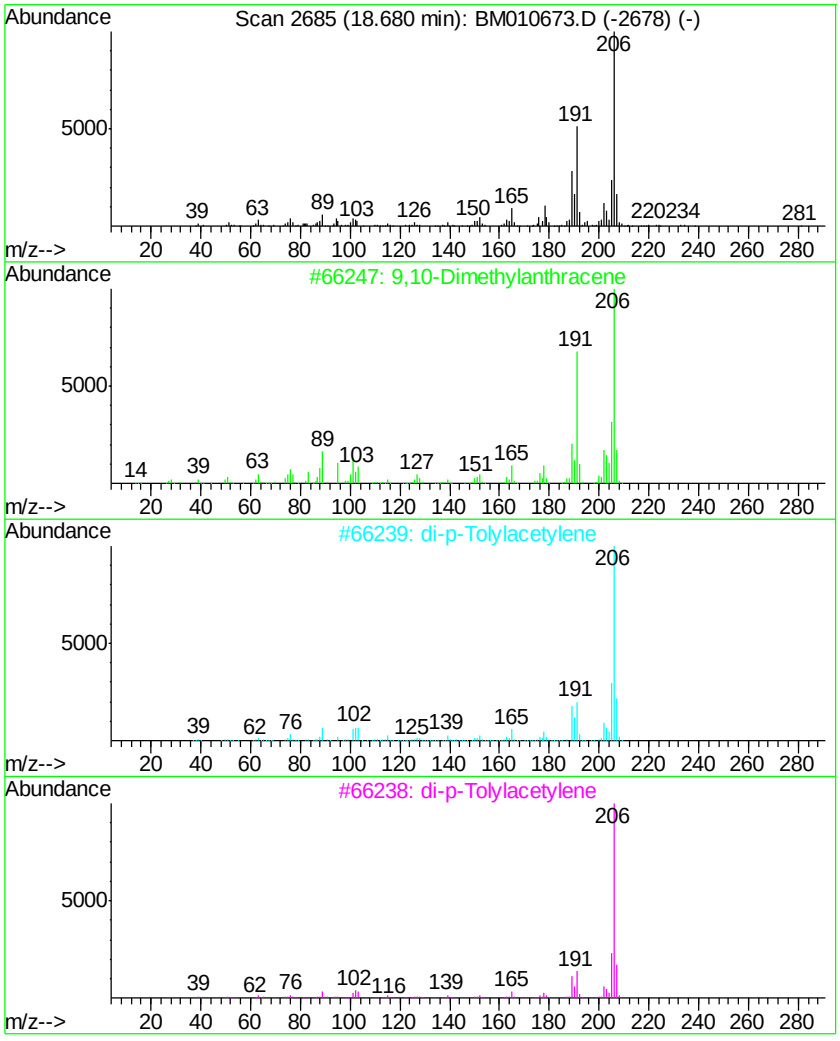
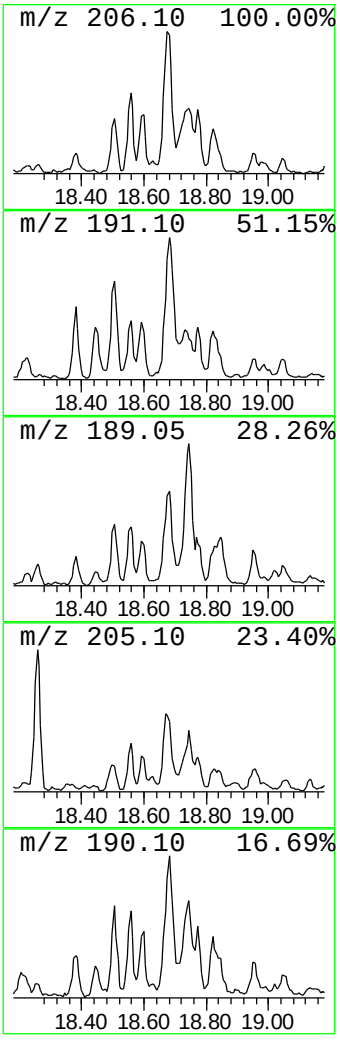
Peak Number 31 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	21.68 ng/ul	1215280	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





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Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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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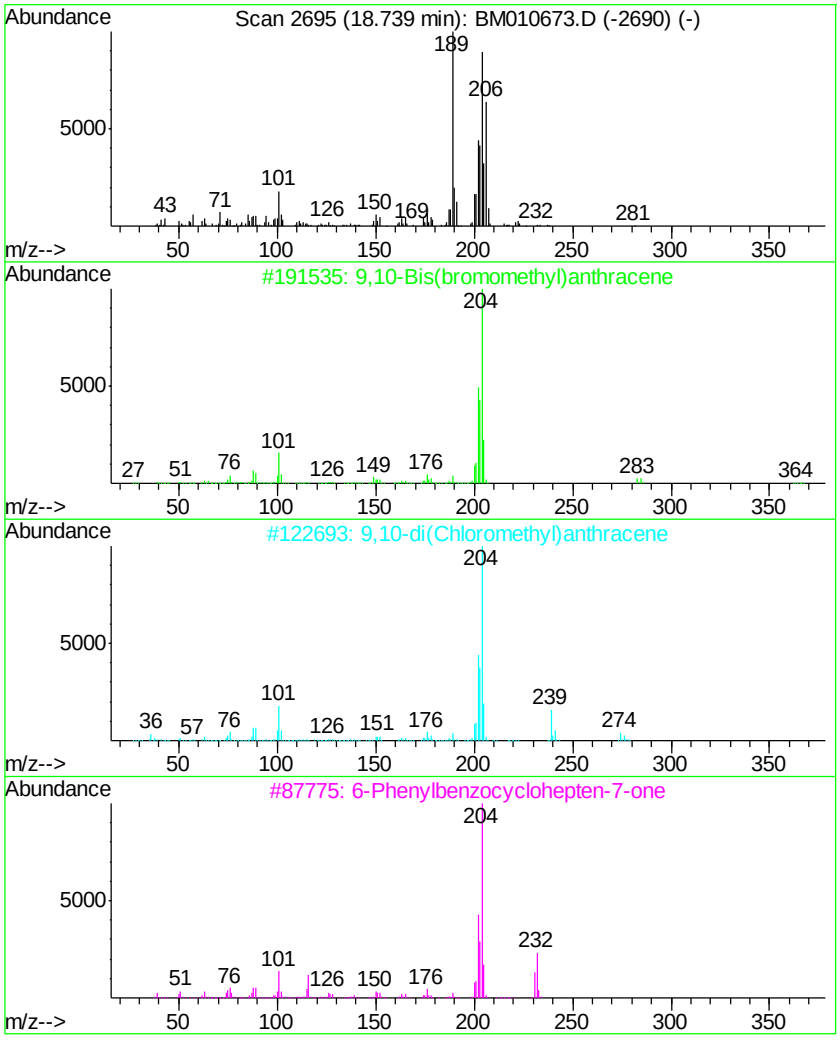
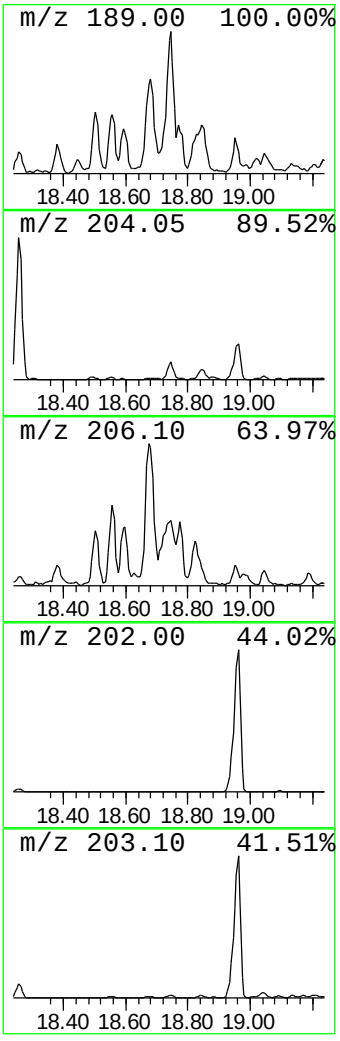
Peak Number 32 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	9.47 ng/ul	530839	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
4	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25
5	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010673.D
Acq On : 22 Jun 2017 23:09
Operator : SJ/JU
Sample : I3653-06 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5E19

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
Benzene, cyclopro...	7.83	20.0	ng/ul	893795	1	7.46	893795	20.0
Benzene, 1-propynyl-	7.99	32.1	ng/ul	1434460	1	7.46	893795	20.0
(E)-1-Phenyl-1-bu...	9.64	23.8	ng/ul	682068	2	10.24	574164	20.0
Naphthalene, 1-me...	12.13	222.2	ng/ul	6378230	2	10.24	574164	20.0
Naphthalene, 1-et...	13.13	11.9	ng/ul	1223670	3	14.12	2053470	20.0
Naphthalene, 2,7-...	13.27	16.9	ng/ul	1733980	3	14.12	2053470	20.0
Naphthalene, 1,3-...	13.43	26.8	ng/ul	2747560	3	14.12	2053470	20.0
Naphthalene, 1,6-...	13.49	15.6	ng/ul	1598940	3	14.12	2053470	20.0
2-Naphthalenecarb...	14.25	5.3	ng/ul	542373	3	14.12	2053470	20.0
Benzene, [1-(2,4-...	14.43	6.5	ng/ul	662452	3	14.12	2053470	20.0
Naphthalene, 2,3,...	14.75	5.2	ng/ul	531856	3	14.12	2053470	20.0
1-Isopropenylnaph...	15.30	7.4	ng/ul	764221	3	14.12	2053470	20.0
Nordiphenamid	15.33	14.1	ng/ul	1451170	3	14.12	2053470	20.0
1,1'-Biphenyl, 2-...	15.42	6.8	ng/ul	701729	3	14.12	2053470	20.0
Dibenzofuran, 4-m...	15.47	18.8	ng/ul	1933980	3	14.12	2053470	20.0
9H-Fluoren-9-ol	15.62	55.5	ng/ul	3108720	4	16.87	1121010	20.0
1,1'-Biphenyl, 2,...	15.84	10.8	ng/ul	604914	4	16.87	1121010	20.0
Anthracene, 9,10-...	15.97	13.3	ng/ul	744022	4	16.87	1121010	20.0
9H-Fluorene, 2-me...	16.18	37.4	ng/ul	2095760	4	16.87	1121010	20.0
9H-Fluorene, 1-me...	16.33	12.3	ng/ul	689090	4	16.87	1121010	20.0
Benzo[b]benzofura...	16.61	17.7	ng/ul	992279	4	16.87	1121010	20.0
Naphtho[2,3-b]thi...	16.69	48.8	ng/ul	2734380	4	16.87	1121010	20.0
Dibenzothiophene,...	17.44	10.3	ng/ul	579459	4	16.87	1121010	20.0
Phenanthrene, 1-m...	17.75	43.3	ng/ul	2427950	4	16.87	1121010	20.0
Phenanthrene, 2-m...	17.80	66.9	ng/ul	3750510	4	16.87	1121010	20.0
4H-Cyclopenta[def...	17.94	102.3	ng/ul	5731840	4	16.87	1121010	20.0
1a,9b-Dihydro-1H-...	17.98	18.7	ng/ul	1045710	4	16.87	1121010	20.0
1,2,4,8-Tetrameth...	18.26	31.8	ng/ul	1784140	4	16.87	1121010	20.0
9,10-Dimethylanth...	18.68	21.7	ng/ul	1215280	4	16.87	1121010	20.0
unknown-01	18.74	9.5	ng/ul	530839	4	16.87	1121010	20.0