LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010672.D
Acq On : 22 Jun 2017 22:33
Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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	772	778	784	rBV	267623	397540	2.84%	0.422%
2	7.828	833	840	848	rBV	97604	139991	1.00%	0.149%
3	7.986	856	867	874	rBB	146037	236083	1.69%	0.251%
4	10.227	1241	1248	1251	rBV	371114	620066	4.43%	0.659%
5	10.286	1251	1258	1264	rVV	6316224	10170776	72.66%	10.802%
6	10.392	1264	1276	1287	rVB	232737	401168	2.87%	0.426%
7	11.898	1522	1532	1540	rBV	2055787	3308062	23.63%	3.513%
8	12.021	1547	1553	1559	rBV	111449	178019	1.27%	0.189%
9	12.121	1559	1570	1577	rVB	967098	1551224	11.08%	1.647%
10	12.939	1702	1709	1716	rVB	529302	795818	5.69%	0.845%
11	13.133	1736	1742	1754	rVB	181902	330997	2.36%	0.352%
12	13.268	1754	1765	1766	rBV	275761	396199	2.83%	0.421%
13	13.427	1783	1792	1797	rBV2	457890	809506	5.78%	0.860%
14	13.480	1797	1801	1807	rVB	256984	367806	2.63%	0.391%
15	13.668	1829	1833	1836	rBV	133606	160123	1.14%	0.170%
16	13.833	1851	1861	1868	rVB3	196258	329024	2.35%	0.349%
17	14.110	1900	1908	1914	rBV5	629590	1220611	8.72%	1.296%
18	14.180	1914	1920	1928	rVV	2339105	3353306	23.96%	3.561%
19	14.245	1928	1931	1938	rVB	113634	154401	1.10%	0.164%
20	14.333	1938	1946	1953	rBV3	63083	147310	1.05%	0.156%
21	14.427	1953	1962	1967	rVB3	101927	176730	1.26%	0.188%
22	14.515	1967	1977	1986	rVB	1948672	2897734	20.70%	3.078%
23	14.598	1986	1991	1995	rBV2	101363	140072	1.00%	0.149%
24	14.739	2007	2015	2020	rBV3	91794	168748	1.21%	0.179%
25	14.792	2020	2024	2030	rVB5	95891	149354	1.07%	0.159%
26	14.915	2037	2045	2048	rBV4	66145	140399	1.00%	0.149%
27	15.174	2083	2089	2094	rBV	2900716	3951719	28.23%	4.197%
28	15.262	2100	2104	2107	rBV	106825	156975	1.12%	0.167%
29	15.333	2112	2116	2121	rVB	303164	410414	2.93%	0.436%
30	15.421	2127	2131	2134	rVB	135748	168274	1.20%	0.179%
31	15.468	2134	2139	2149	rVB	411728	586693	4.19%	0.623%
32	15.615	2159	2164	2171	rVB	409619	811968	5.80%	0.862%
33	15.839	2195	2202	2210	rBV3	120997	211689	1.51%	0.225%
34	15.968	2217	2224	2231	rBV2	139918	235779	1.68%	0.250%

LSC Area Percent Report

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Acq On : 22 Jun 2017 22:33
Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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	16.174	2249	2259	2265	rBV2	304892	680420	4.86%	0.723%
36	16.227	2265	2268	2272	rVB	111927	146018	1.04%	0.155%
37	16.327	2279	2285	2291	rVB2	129454	220596	1.58%	0.234%
38	16.451	2302	2306	2309	rVB2	122266	162248	1.16%	0.172%
39	16.603	2326	2332	2338	rBV	168624	320935	2.29%	0.341%
40	16.686	2338	2346	2357	rVB	637960	1010349	7.22%	1.073%
41	16.868	2368	2377	2380	rBV	811898	1256012	8.97%	1.334%
42	16.921	2380	2386	2391	rVV	9944156	13997407	100.00%	14.866%
43	17.003	2395	2400	2405	rVB	1395343	1877669	13.41%	1.994%
44	17.056	2405	2409	2416	rBV	239642	380279	2.72%	0.404%
45	17.274	2441	2446	2451	rBV	937953	1247529	8.91%	1.325%
46	17.398	2459	2467	2471	rBV4	126128	216323	1.55%	0.230%
47	17.445	2471	2475	2483	rVB4	68260	157803	1.13%	0.168%
48	17.745	2516	2526	2530	rBV	631214	979959	7.00%	1.041%
49	17.792	2530	2534	2541	rVB	906241	1288105	9.20%	1.368%
50	17.874	2541	2548	2553	rBV	358953	558455	3.99%	0.593%
51	17.939	2553	2559	2563	rVV2	1139206	1884688	13.46%	2.002%
52	17.974	2563	2565	2570	rVV	318575	398012	2.84%	0.423%
53	18.050	2572	2578	2582	rVV3	94982	174117	1.24%	0.185%
54	18.256	2608	2613	2617	rVB	447831	597073	4.27%	0.634%
55	18.503	2647	2655	2659	rBV4	114198	187505	1.34%	0.199%
56	18.674	2678	2684	2690	rBV3	210539	396781	2.83%	0.421%
57	18.739	2690	2695	2698	rBV3	132558	204002	1.46%	0.217%
58	18.945	2724	2730	2737	rBV	6191389	8046150	57.48%	8.545%
59	19.186	2765	2771	2775	rVB2	168734	263402	1.88%	0.280%
60	19.309	2782	2792	2801	rBV2	3575362	6526506	46.63%	6.932%
61	19.380	2801	2804	2813	rVB2	218092	370780	2.65%	0.394%
62	19.486	2813	2822	2829	rBV	248414	413851	2.96%	0.440%
63	19.550	2829	2833	2838	rVB	114530	177857	1.27%	0.189%
64	19.639	2839	2848	2853	rBV3	226868	609830	4.36%	0.648%
65	19.686	2853	2856	2861	rVV2	168967	247238	1.77%	0.263%
66	19.762	2861	2869	2873	rVV4	194934	514501	3.68%	0.546%
67	19.809	2873	2877	2882	rVB	818326	1069123	7.64%	1.135%
68	19.909	2890	2894	2898	rBV	954033	1166007	8.33%	1.238%
69	19.962	2898	2903	2908	rVV4	309531	567850	4.06%	0.603%
70	20.009	2908	2911	2915	rVV	114900	158142	1.13%	0.168%
71	20.103	2923	2927	2931	rVV	106240	158333	1.13%	0.168%

LSC Area Percent Report

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Title : SVOA CALIBRATION

72	20.150	2931	2935	2945	rVB2	126702	280321	2.00%	0.298%
73	20.344	2963	2968	2970	rBV2	159194	202733	1.45%	0.215%
74	20.521	2994	2998	3003	rBV5	123169	213430	1.52%	0.227%
75	20.727	3029	3033	3037	rBV	244185	316108	2.26%	0.336%
76	20.768	3037	3040	3043	rVV	222688	271737	1.94%	0.289%
77	20.815	3043	3048	3052	rVB3	137927	263405	1.88%	0.280%
78	21.074	3086	3092	3097	rVV3	1887185	3733967	26.68%	3.966%
79	21.121	3097	3100	3108	rVB	982729	1227726	8.77%	1.304%
80	21.233	3116	3119	3123	rBV	245642	266736	1.91%	0.283%
81	21.391	3141	3146	3152	rBV2	155549	253279	1.81%	0.269%
82	21.538	3166	3171	3174	rBV2	88984	145568	1.04%	0.155%
83	21.621	3179	3185	3189	rVV	177004	326791	2.33%	0.347%
84	21.838	3219	3222	3227	rVB3	136713	187860	1.34%	0.200%
85	22.585	3344	3349	3354	rBV	345800	762983	5.45%	0.810%
86	23.038	3421	3426	3431	rBV	138706	222834	1.59%	0.237%
87	23.127	3436	3441	3449	rVB	236839	445985	3.19%	0.474%
88	23.221	3450	3457	3463	rBV	602705	1129006	8.07%	1.199%

Sum of corrected areas: 94156902

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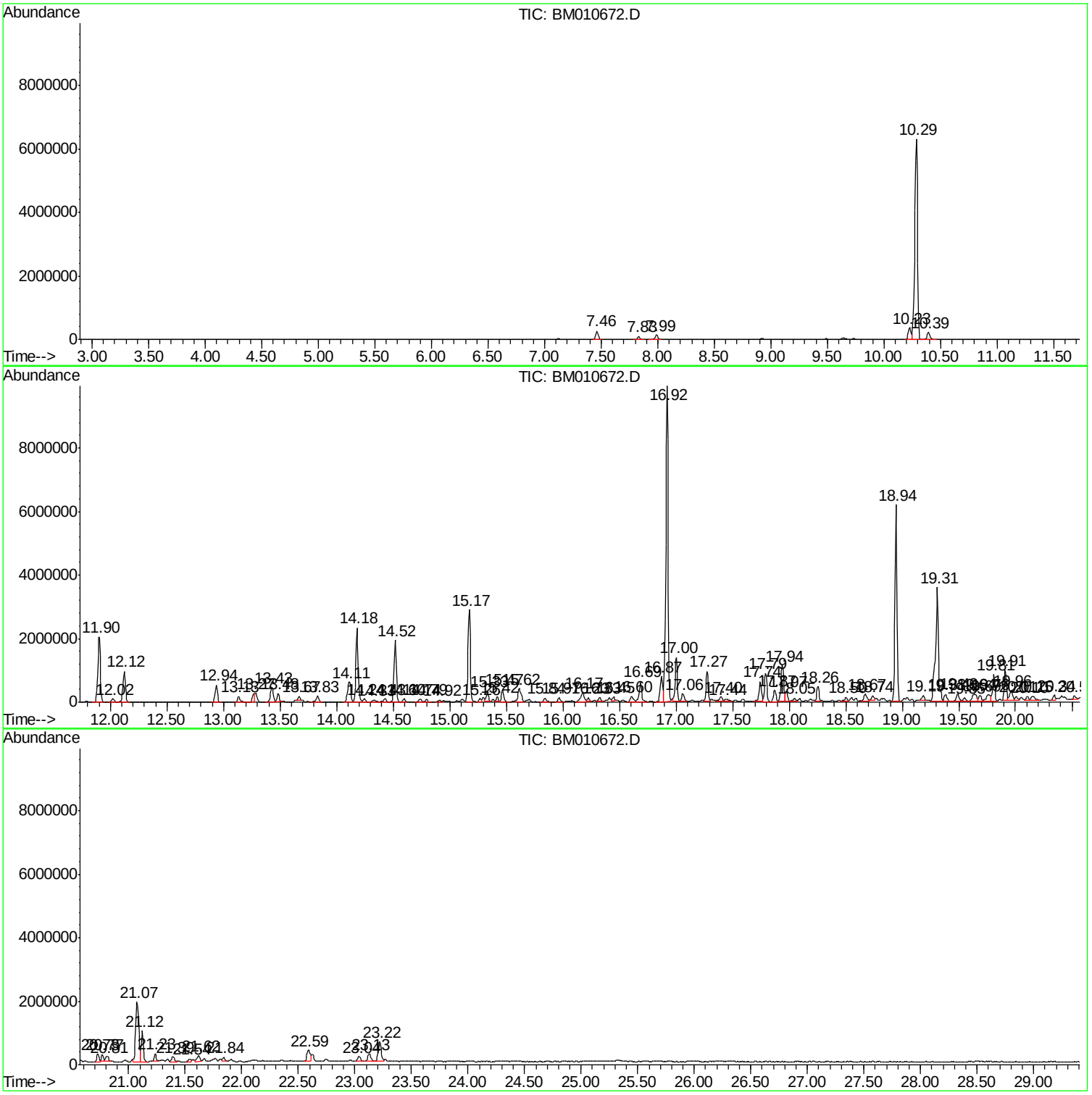
Instrument :
BNA_M
ClientSampleId :
F5B19

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 : BM010672.D
Acq On : 22 Jun 2017 22:33
Operator : SJ/JU
Sample : I3653-02 25X
Misc :
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Instrument : BNA_M
ClientSampleId : F5B19

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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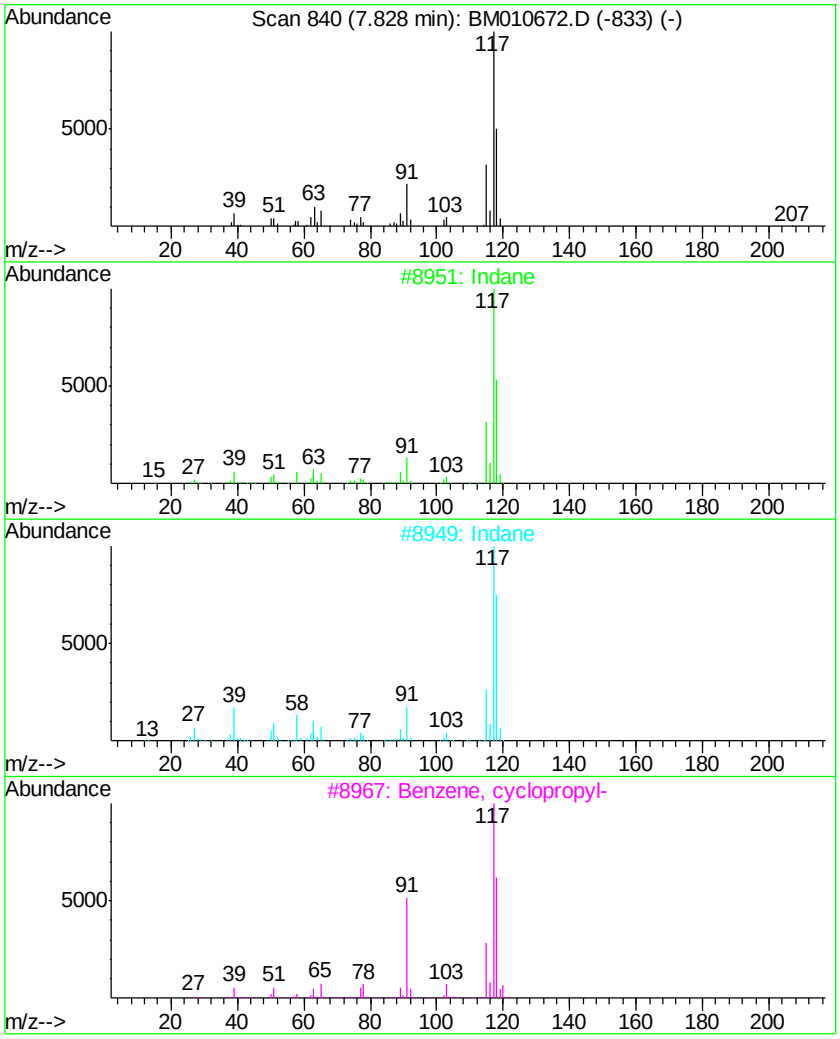
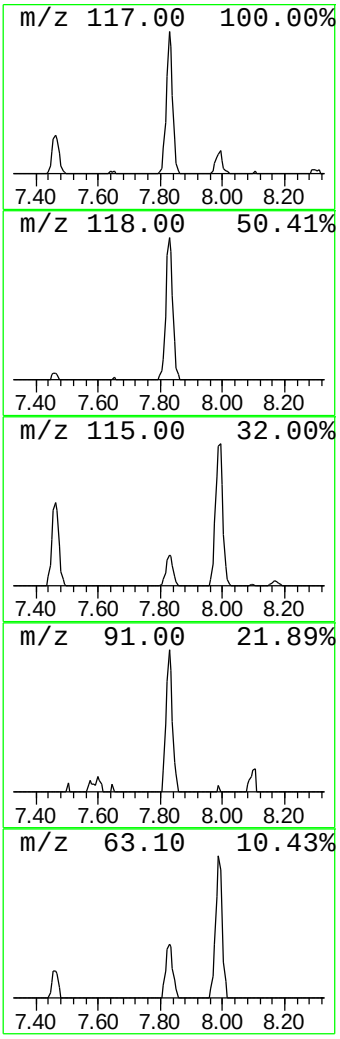
****

Peak Number 1 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	7.04 ng/ul	139991	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	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74





Library Search Compound Report

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Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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

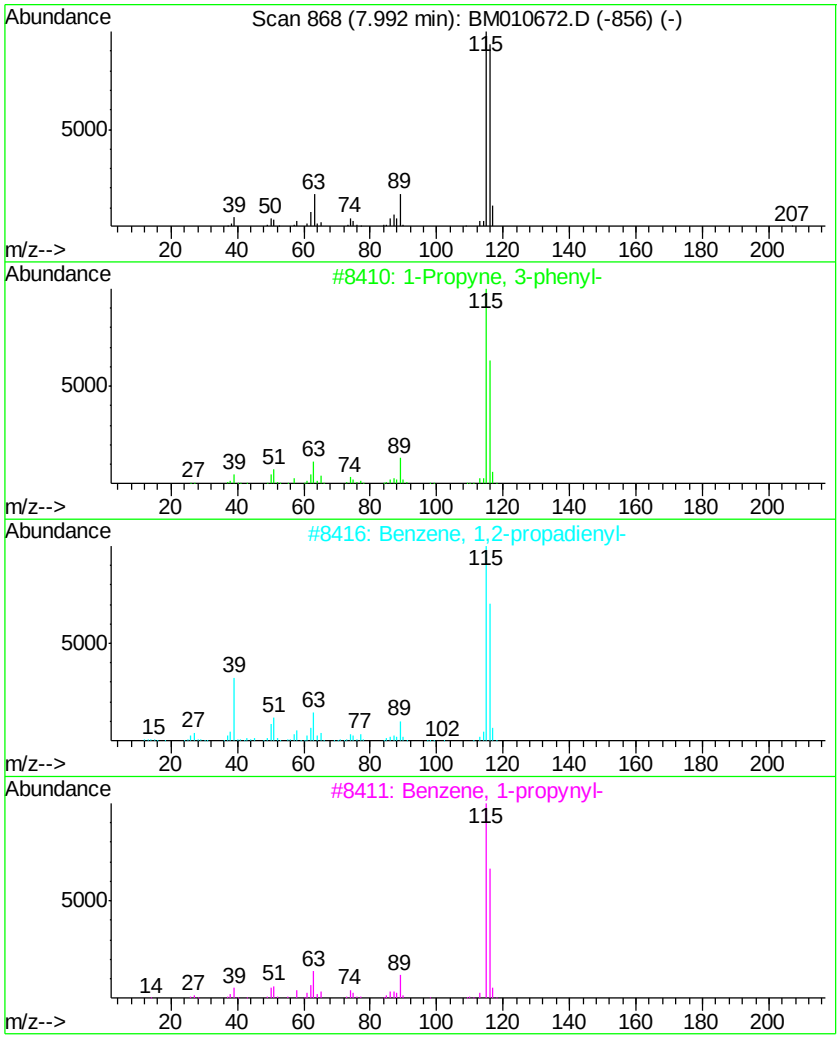
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

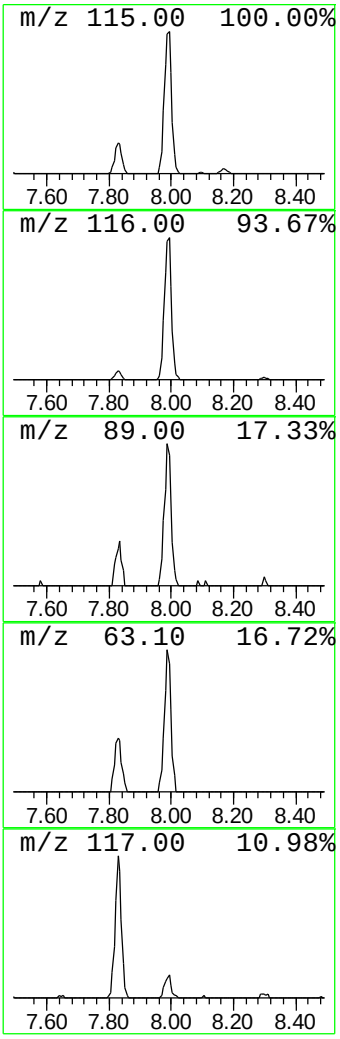
****

Peak Number 2 1-Propyne, 3-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	11.88 ng/ul	236083	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
2	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Indene	116	C9H8	000095-13-6	90
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
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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
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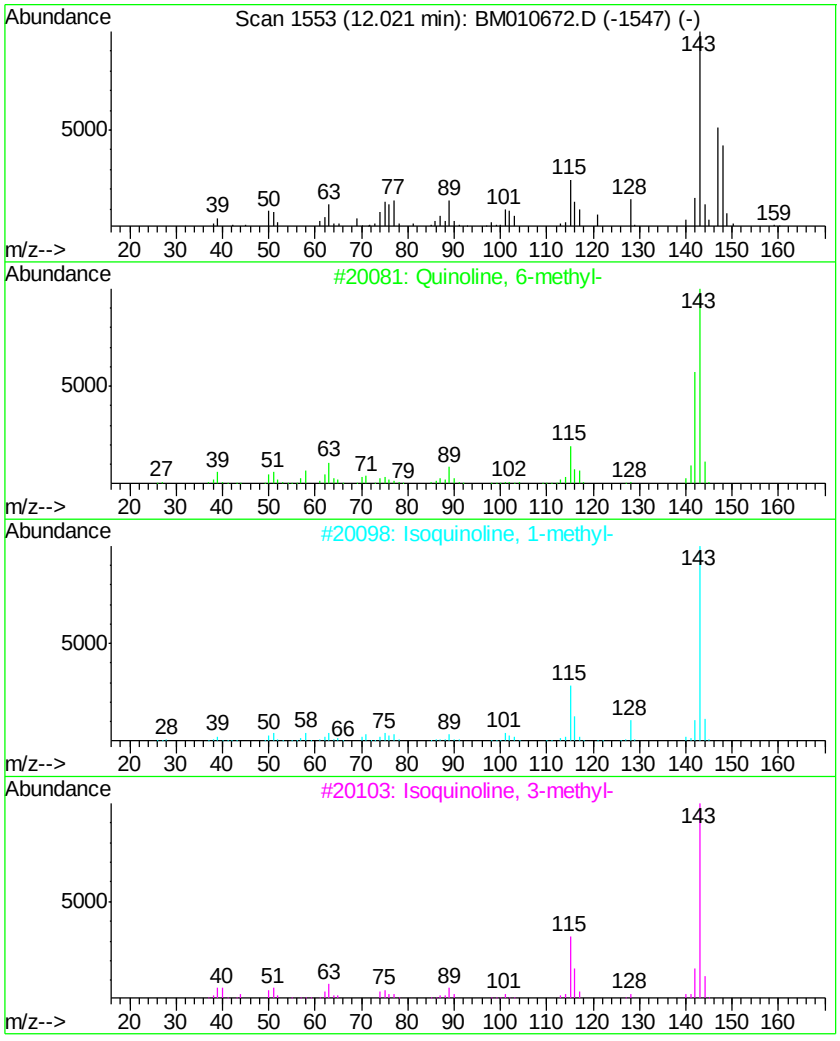
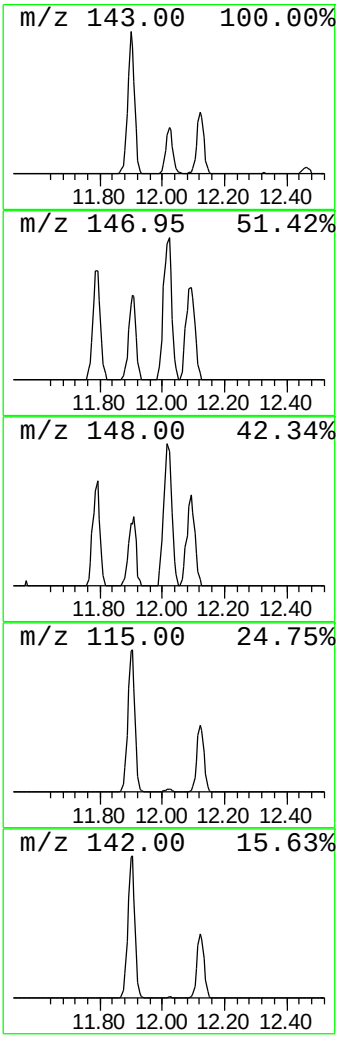
****

Peak Number 3 Quinoline, 6-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.74 ng/ul	178019	Naphthalene-d8	10.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	70
2	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	60
3	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	60
4	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	60
5	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	55





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Quant Title : SVOA CALIBRATION

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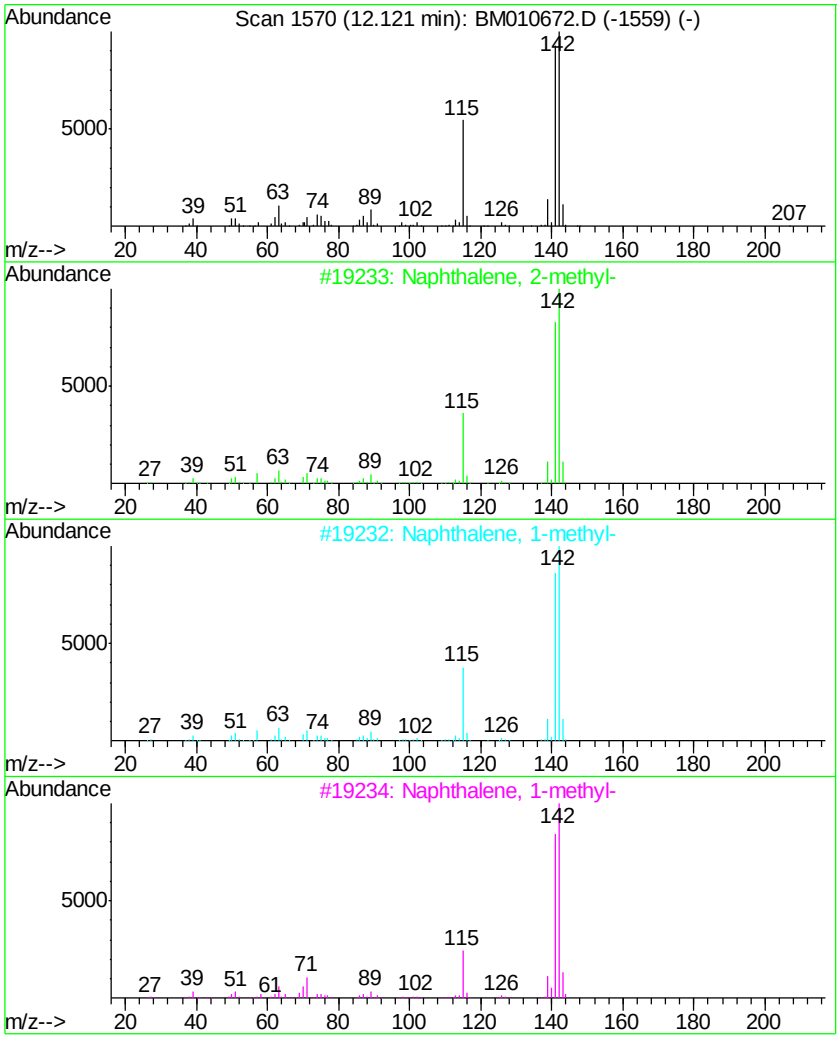
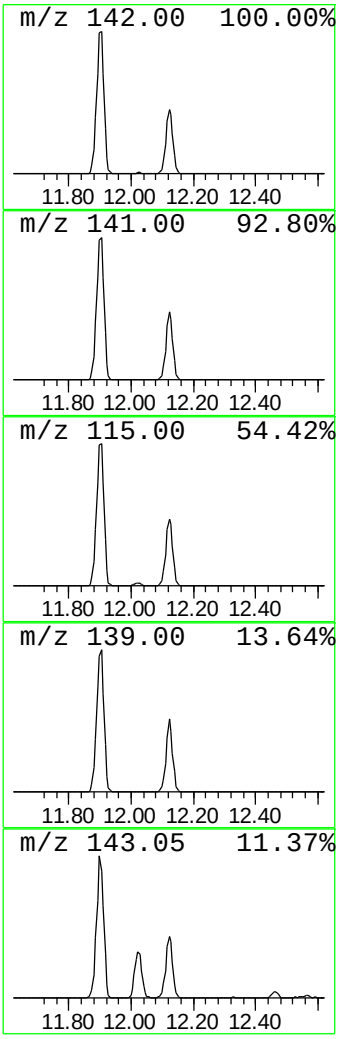
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	50.03 ng/ul	1551220	Naphthalene-d8	10.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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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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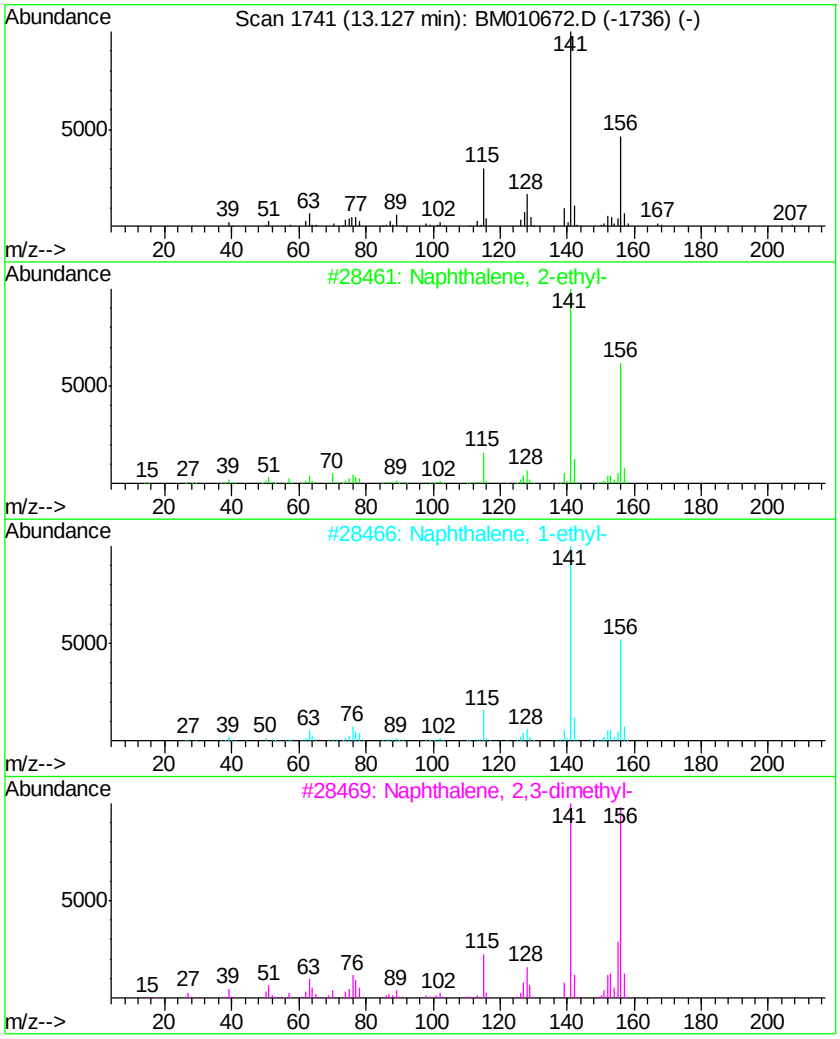
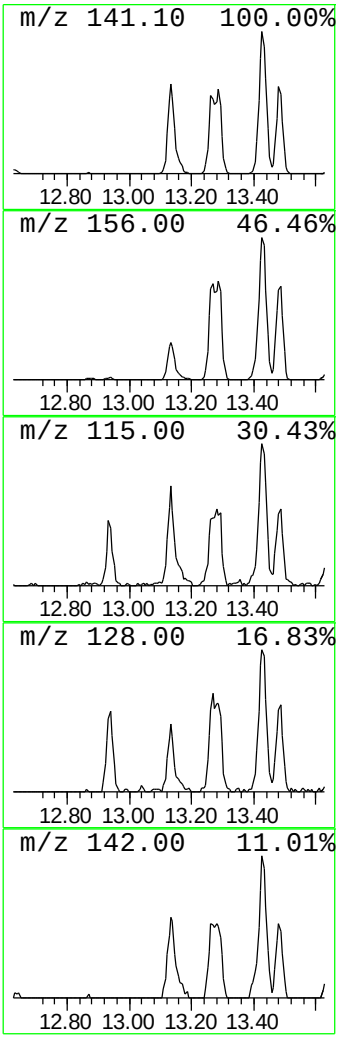
Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	5.42 ng/ul	330997	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, 1-ethyl-	156	C12H12	001127-76-0	91
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





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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
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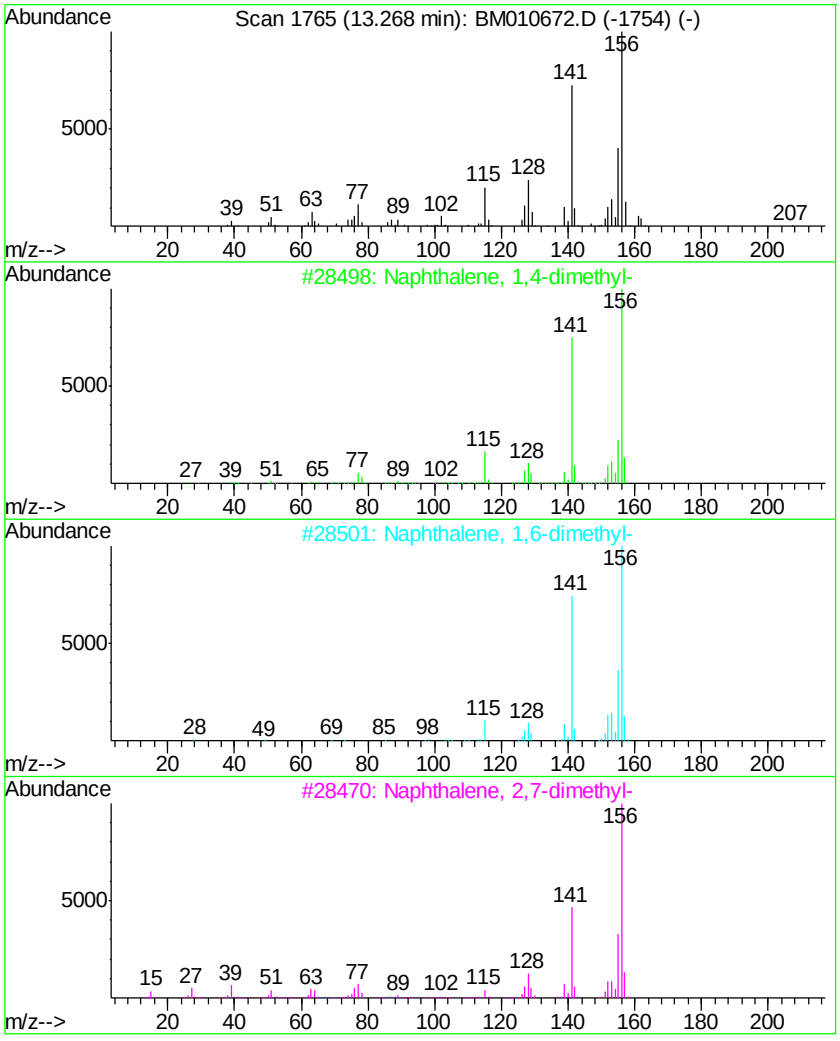
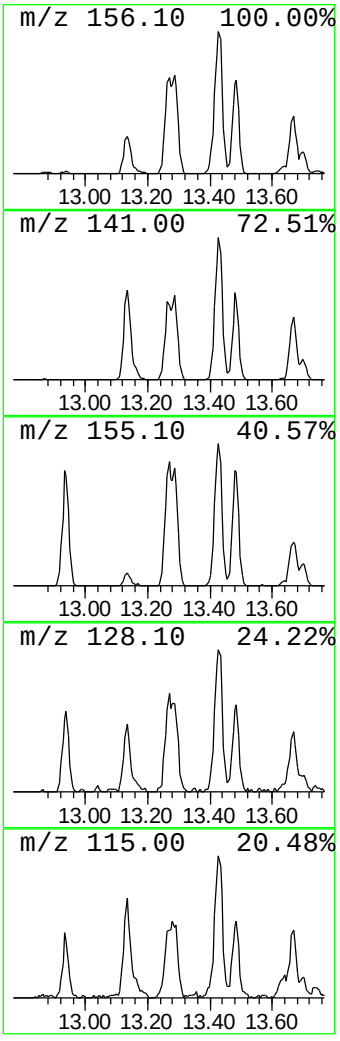
Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.49 ng/ul	396199	Acenaphthene-d10	14.12

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





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Acq On : 22 Jun 2017 22:33
Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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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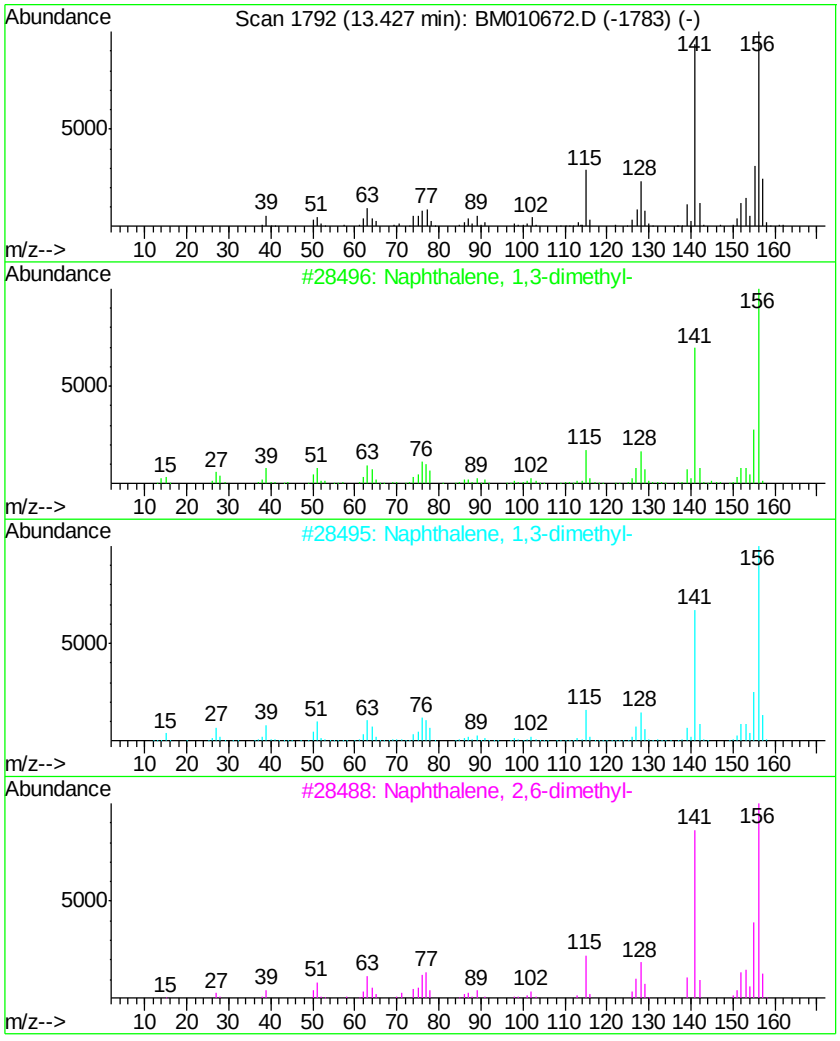
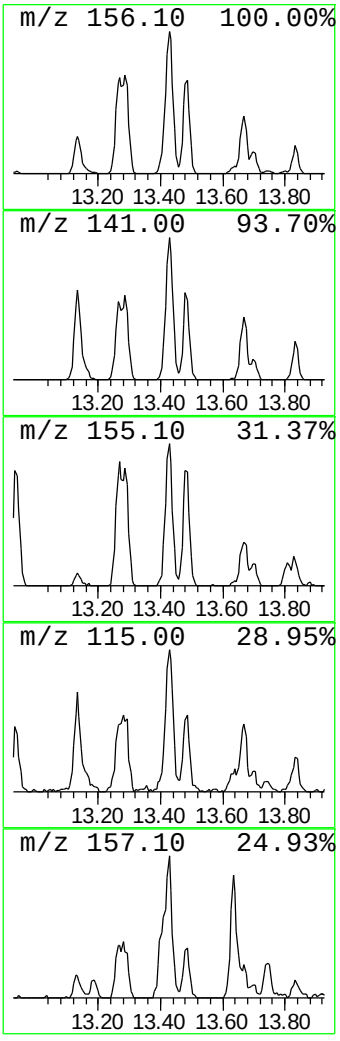
Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	13.26 ng/ul	809506	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, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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Instrument : BNA_M
ClientSampleId : F5B19

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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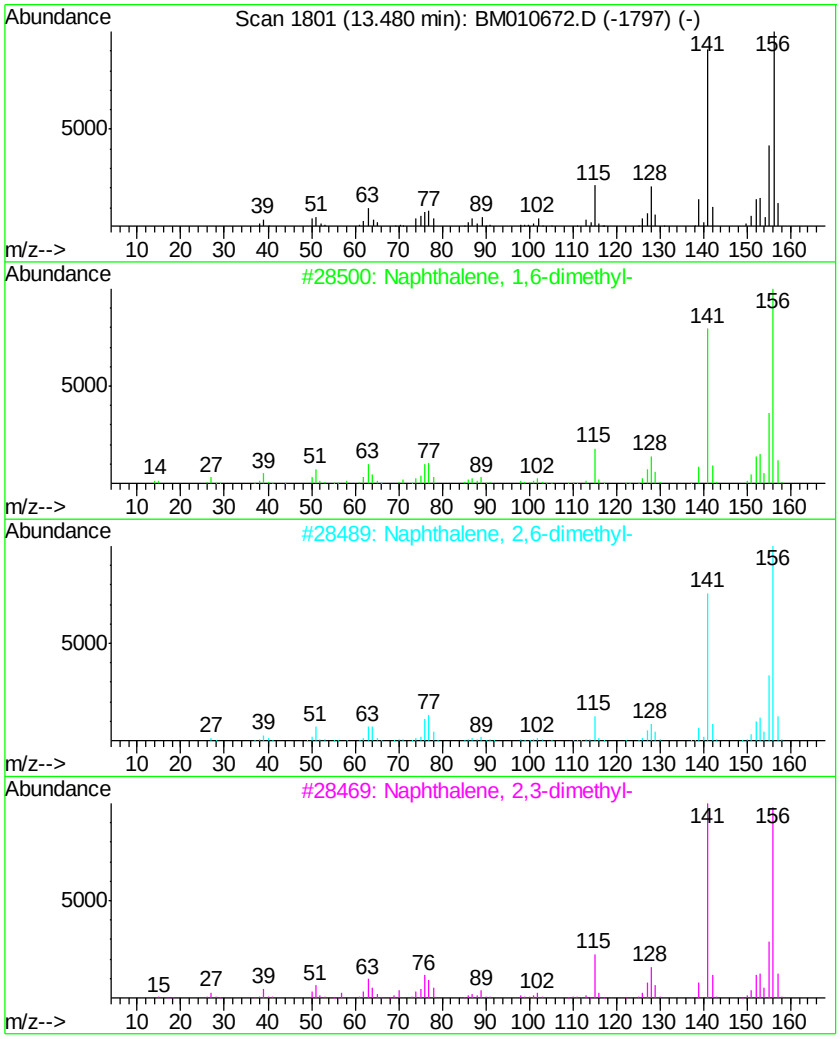
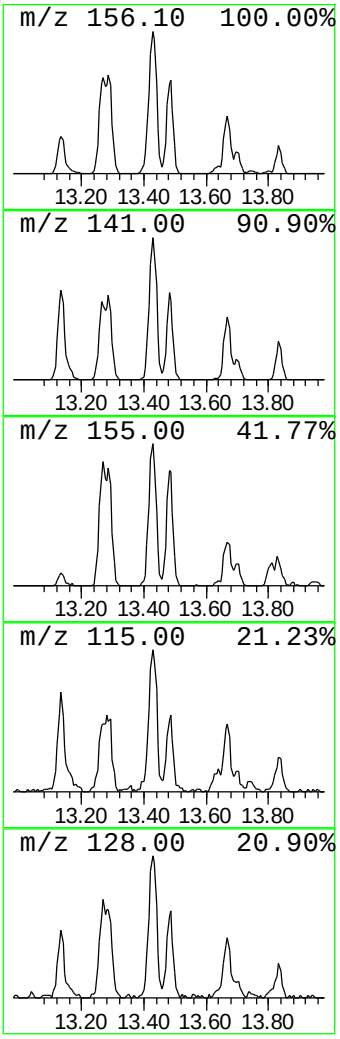
Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	6.03 ng/ul	367806	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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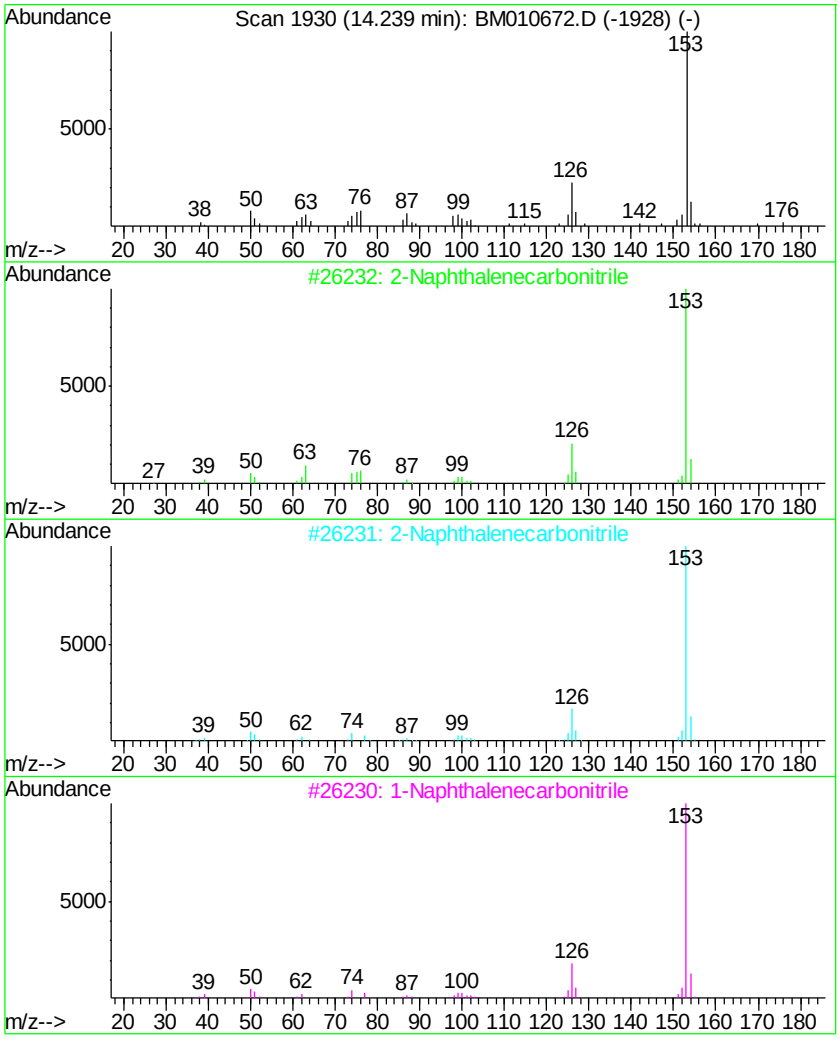
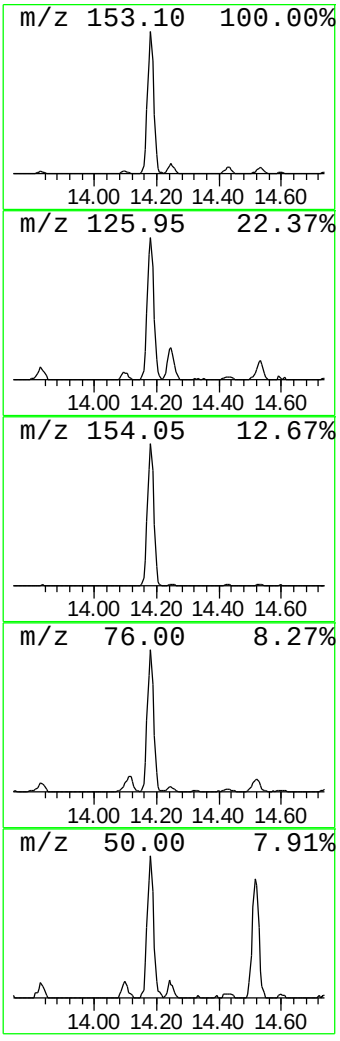
Peak Number 10 2-Naphthalenecarbonitrile Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	2.53 ng/ul	154401	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	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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Quant Title : SVOA CALIBRATION

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

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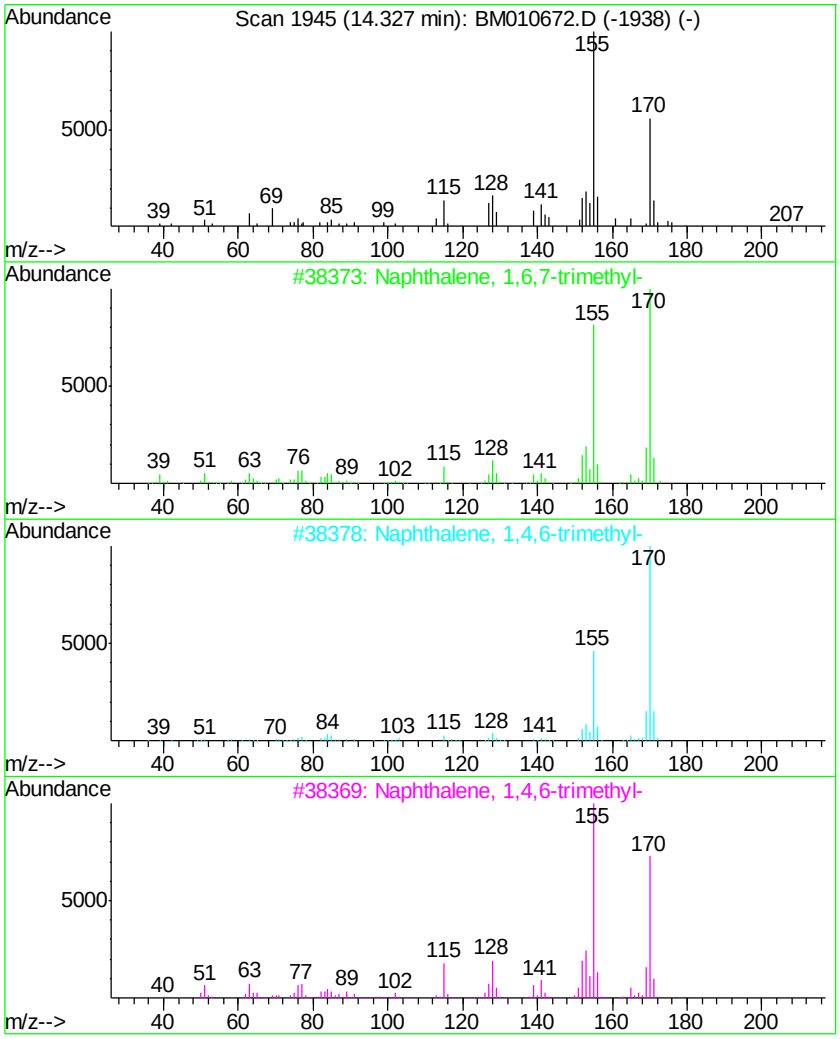
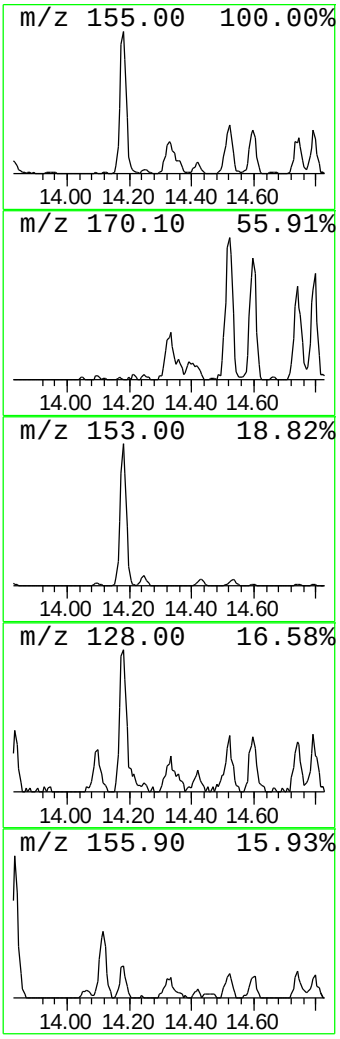
Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	2.41 ng/ul	147310	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90





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Instrument : BNA_M
ClientSampleId : F5B19

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Quant Title : SVOA CALIBRATION

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

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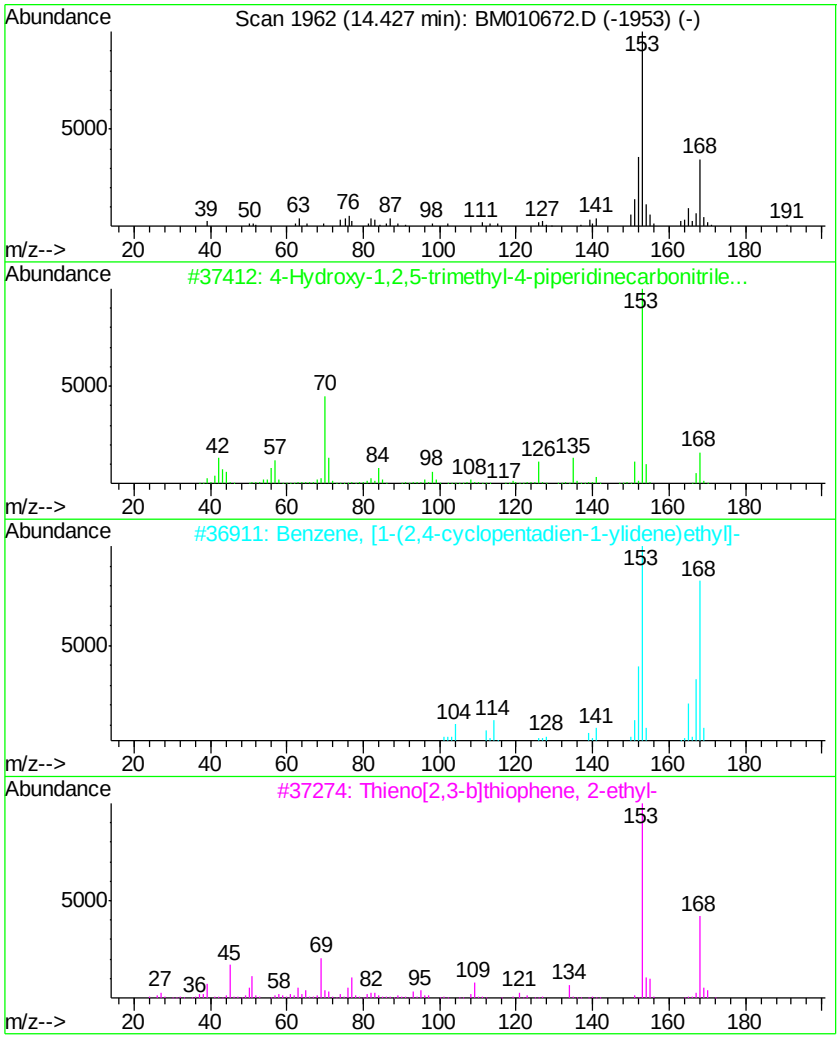
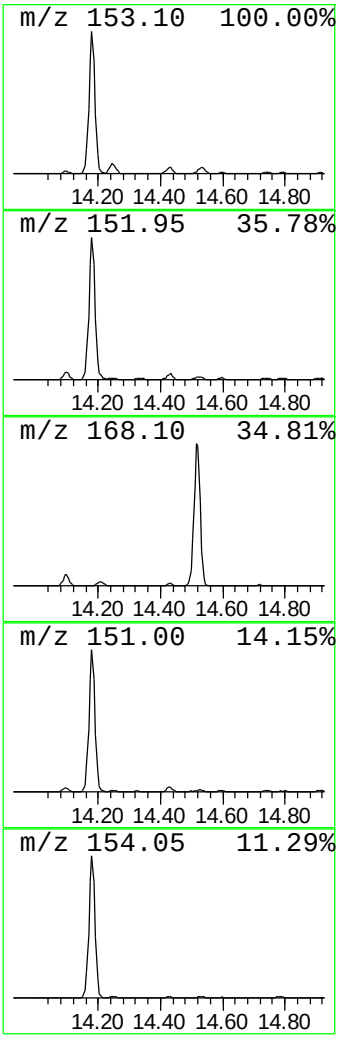
Peak Number 12 4-Hydroxy-1,2,5-trimethyl-4... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	2.90 ng/ul	176730	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	59
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





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Quant Title : SVOA CALIBRATION

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

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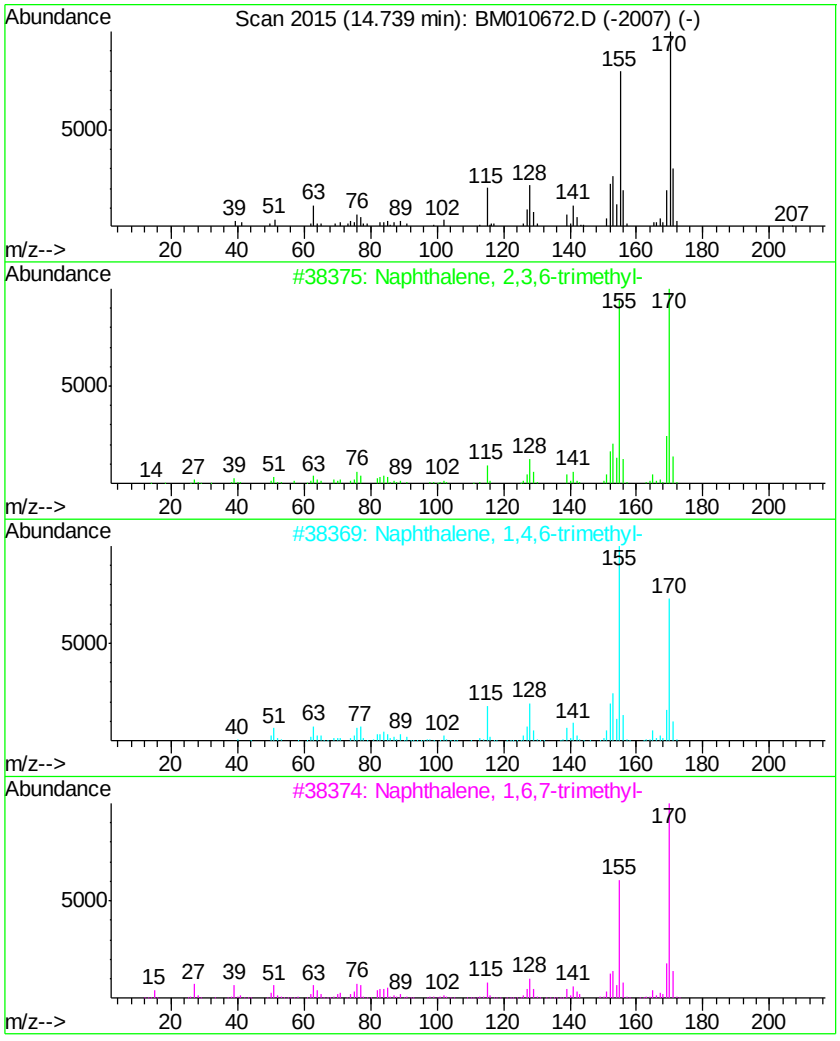
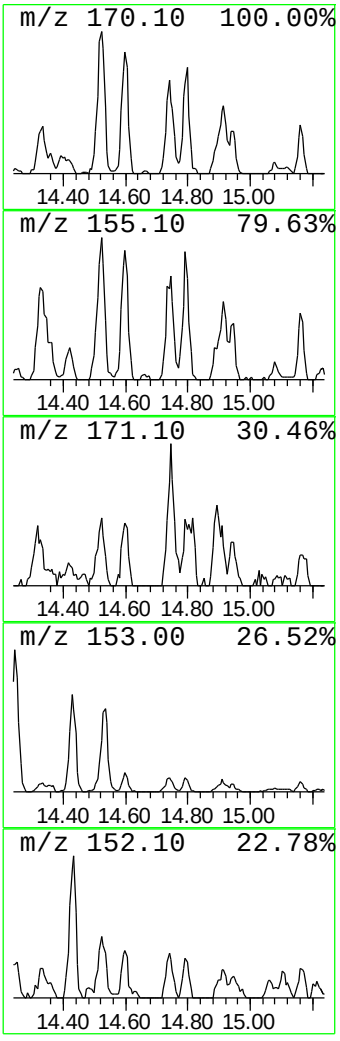
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	2.76 ng/ul	168748	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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Quant Title : SVOA CALIBRATION

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

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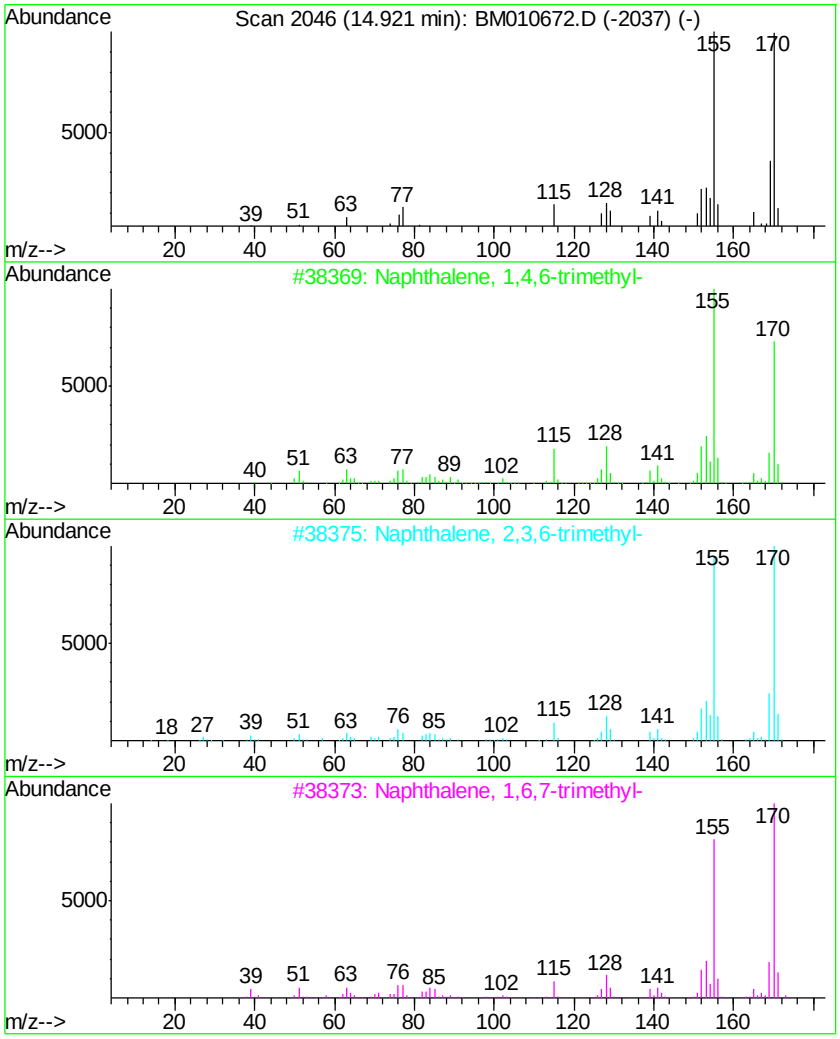
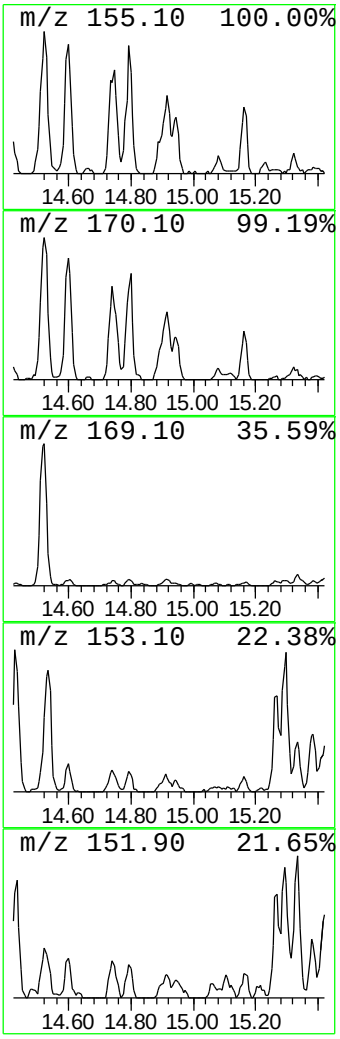
Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	2.30 ng/ul	140399	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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Quant Title : SVOA CALIBRATION

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

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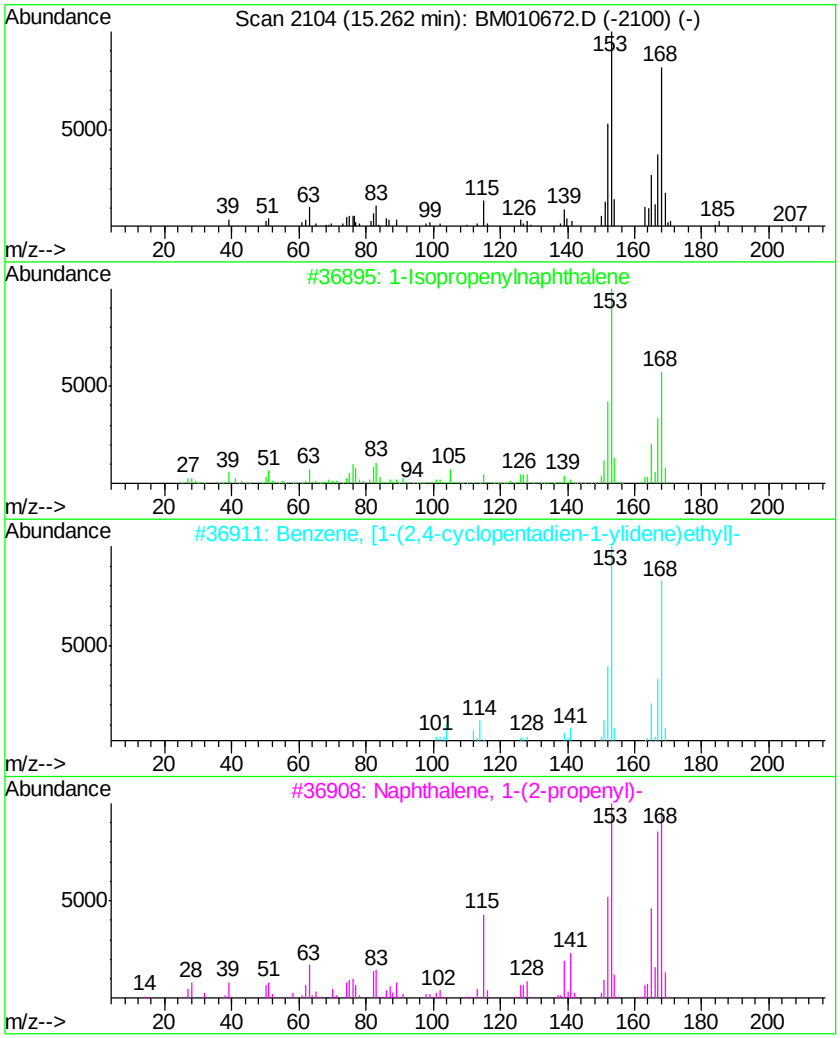
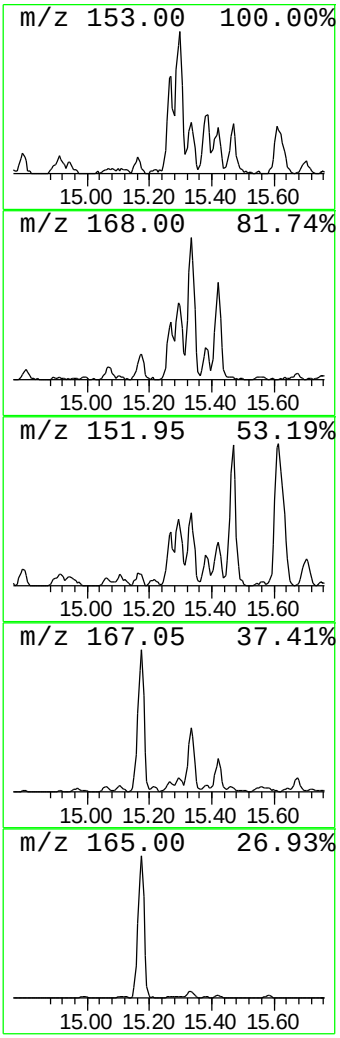
Peak Number 17 1-Isopropenylnaphthalene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	2.57 ng/ul	156975	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	91
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	81
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47





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Quant Title : SVOA CALIBRATION

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

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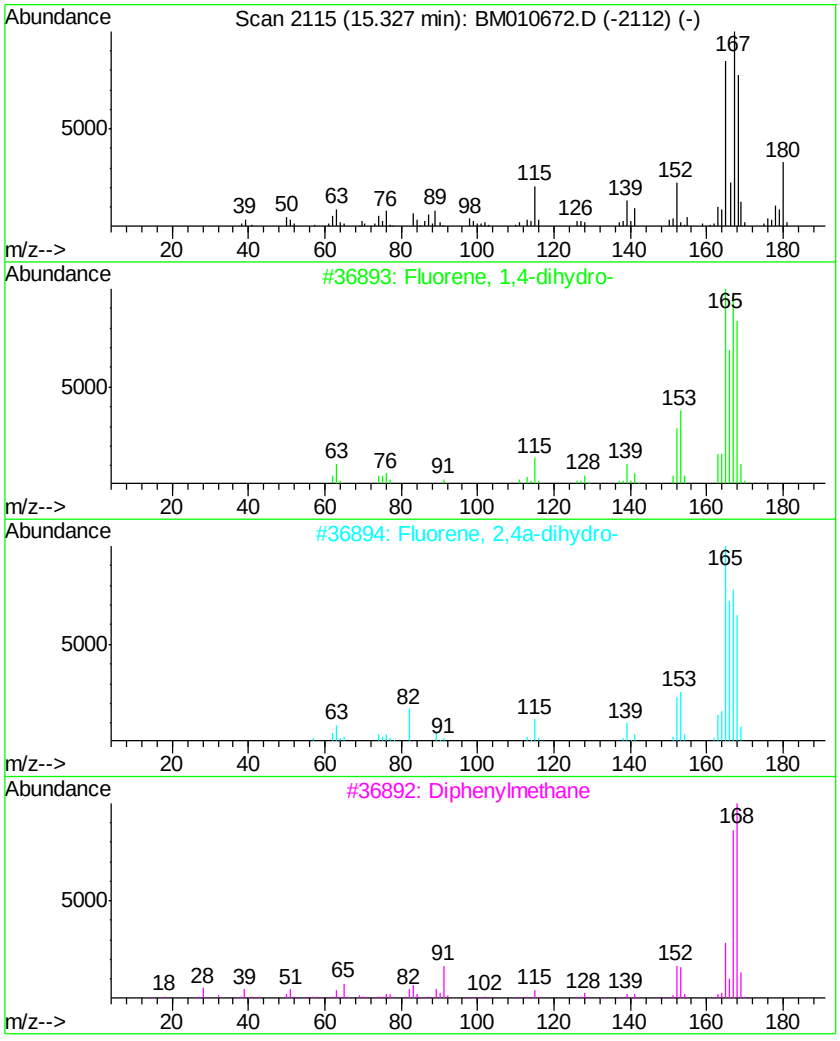
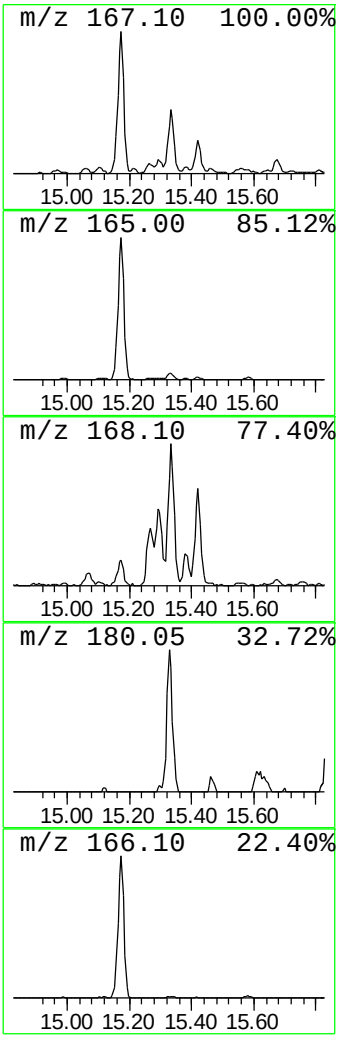
Peak Number 18 Fluorene, 1,4-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	6.72 ng/ul	410414	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	83
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	83
3	Diphenylmethane	168	C13H12	000101-81-5	50
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5	6-Methoxy-3-nitro-2-picoline	168	C7H8N2O3	005467-69-6	47





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TIC Library : C:\DATABASE\NIST11.L
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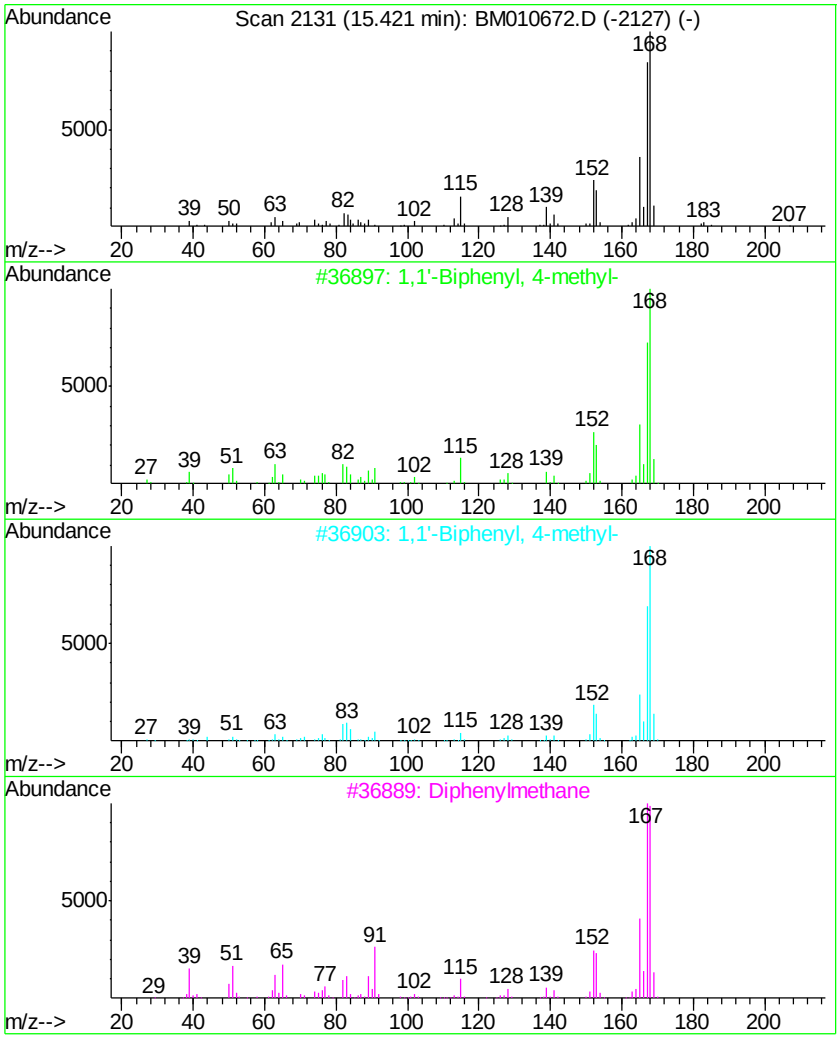
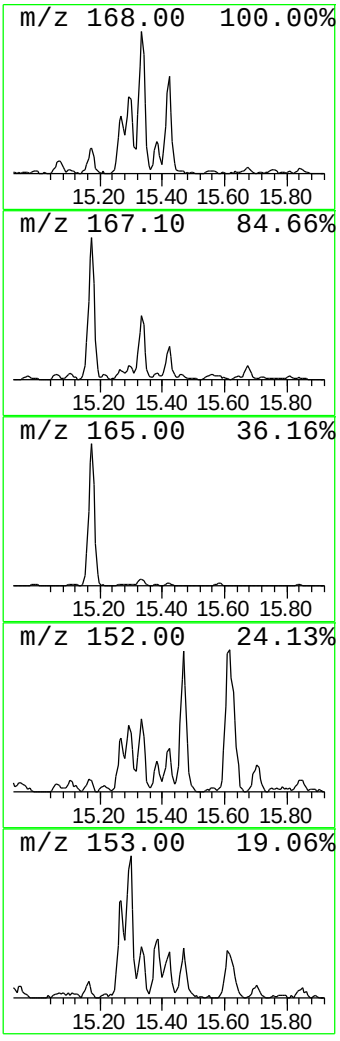
Peak Number 19 1,1'-Biphenyl, 4-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	2.76 ng/ul	168274	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
3	Diphenylmethane	168	C13H12	000101-81-5	90
4	Diphenylmethane	168	C13H12	000101-81-5	90
5	Diphenylmethane	168	C13H12	000101-81-5	87





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Quant Title : SVOA CALIBRATION

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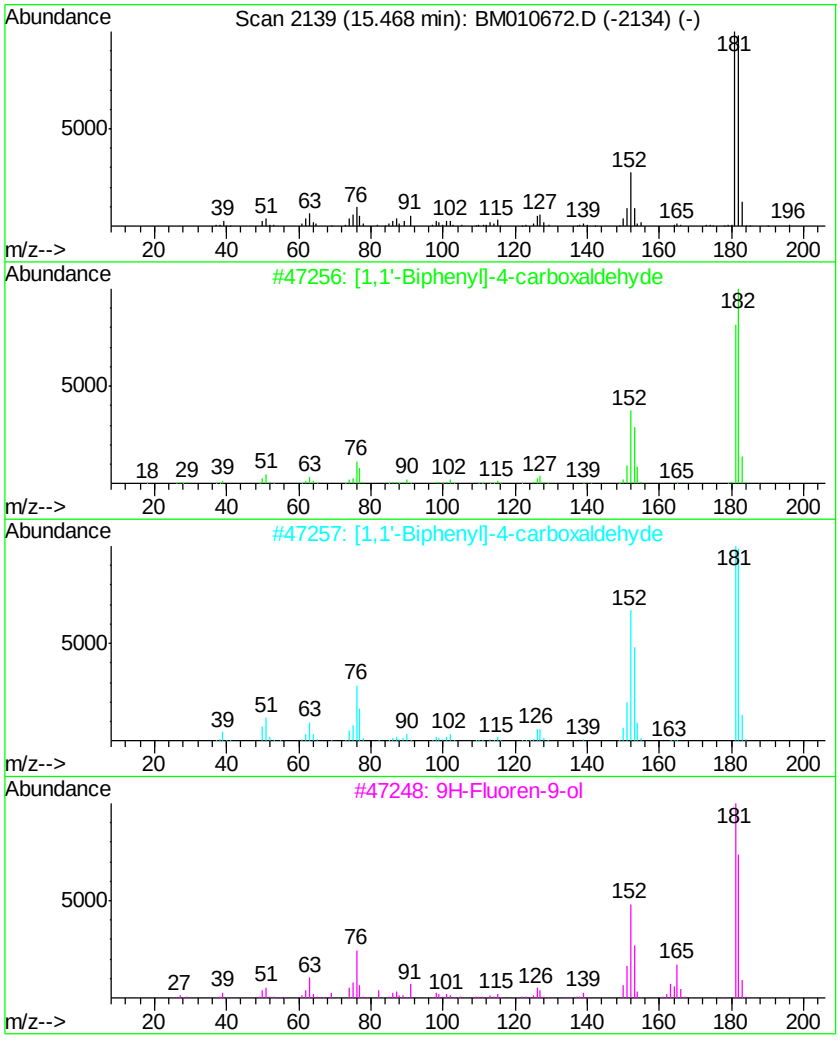
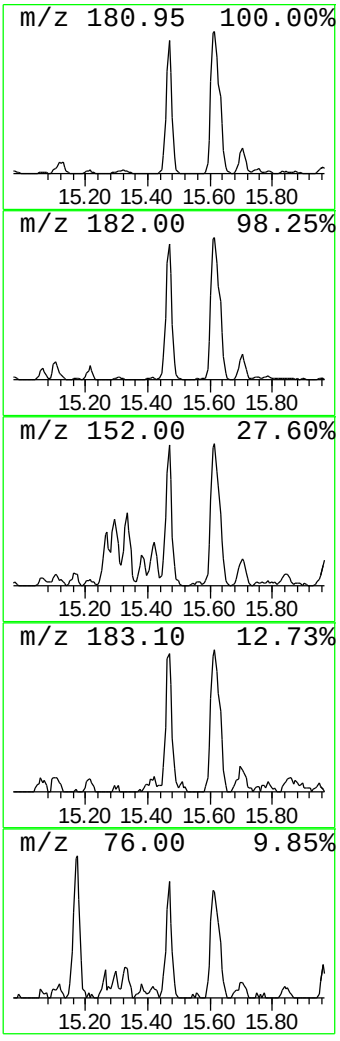
Peak Number 20 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.61 ng/ul	586693	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
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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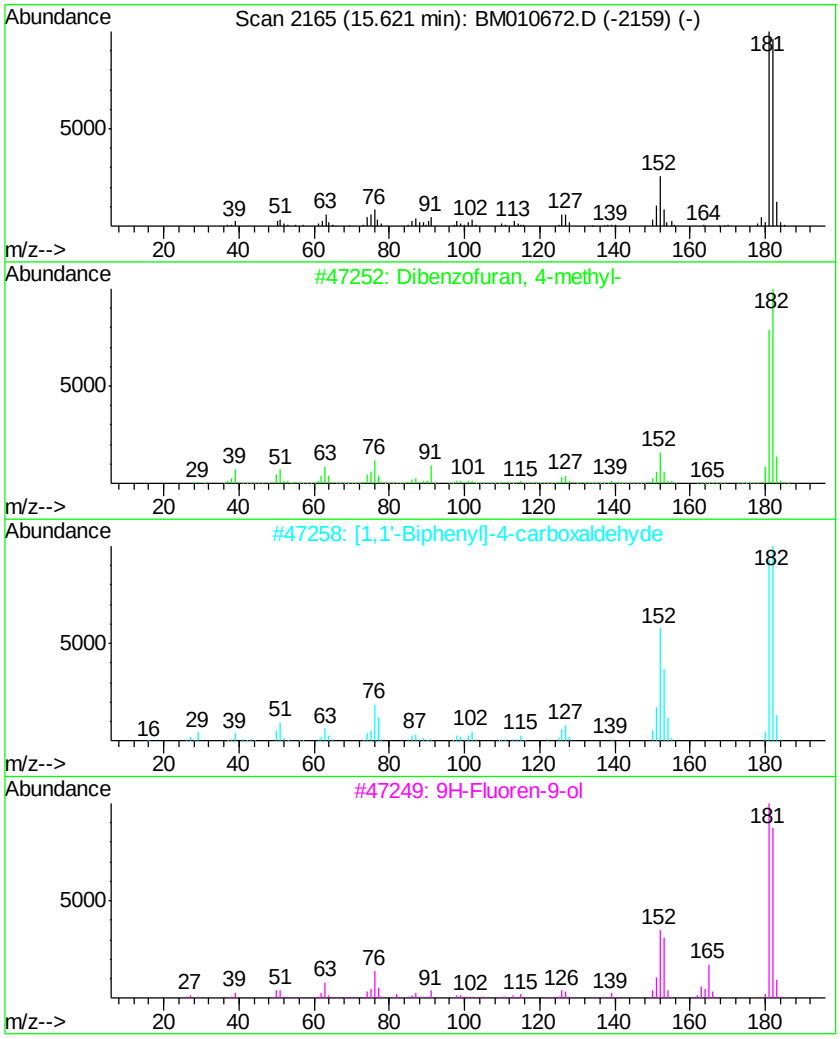
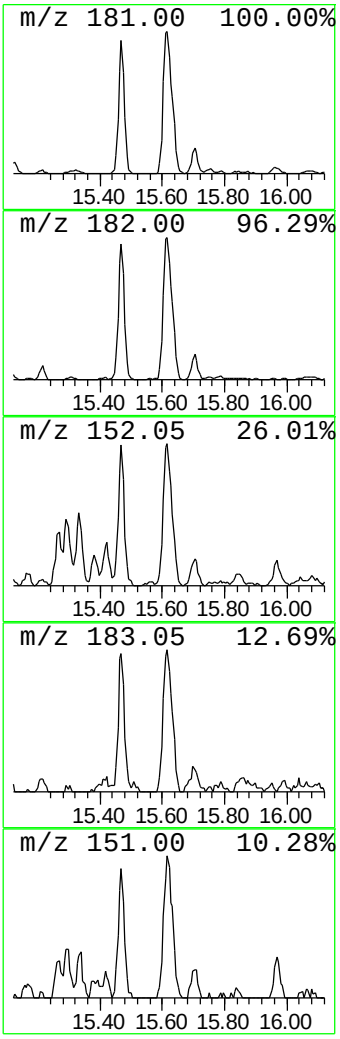
Peak Number 21 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	12.93 ng/ul	811968	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87





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Acq On : 22 Jun 2017 22:33
Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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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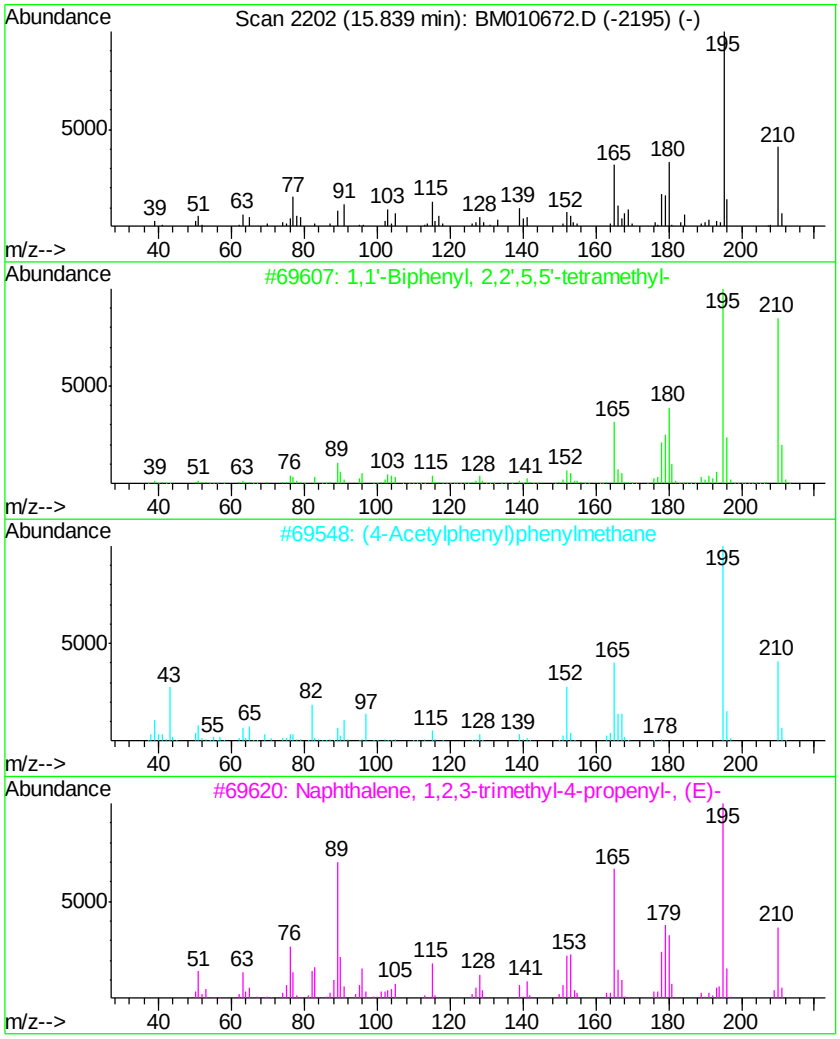
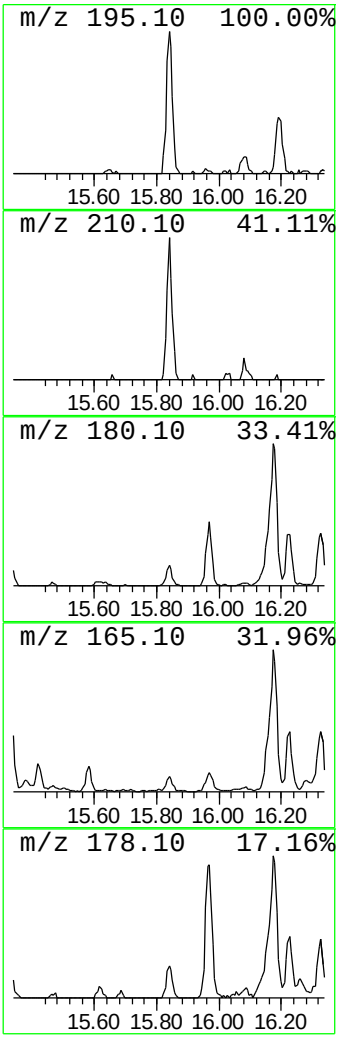
Peak Number 22 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.37 ng/ul	211689	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	93
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	76
3	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	74
4	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	64
5	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	58





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Sample : I3653-02 25X
Misc :
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Instrument : BNA_M
ClientSampleId : F5B19

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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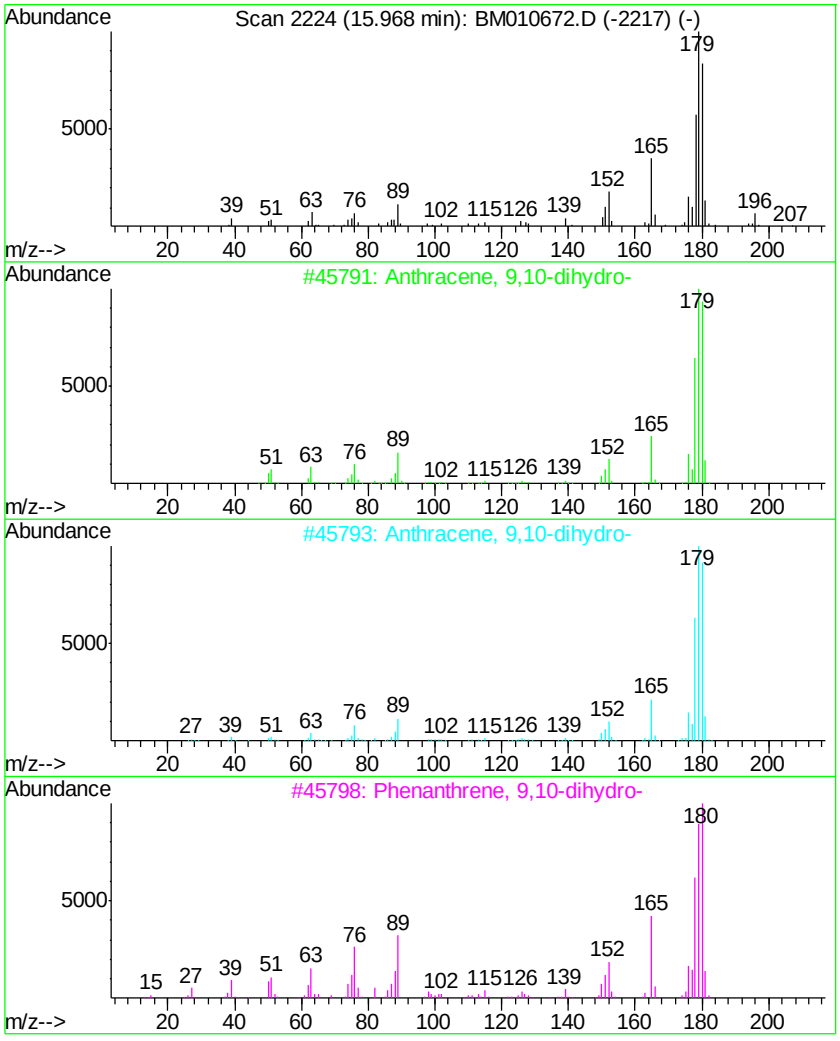
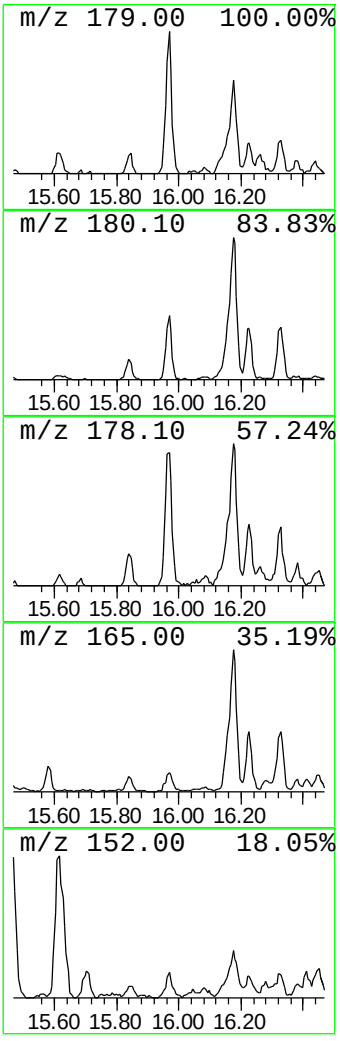
Peak Number 23 Anthracene, 9,10-dihydro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	3.75 ng/ul	235779	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	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	90
5	Stilbene	180	C14H12	000588-59-0	90





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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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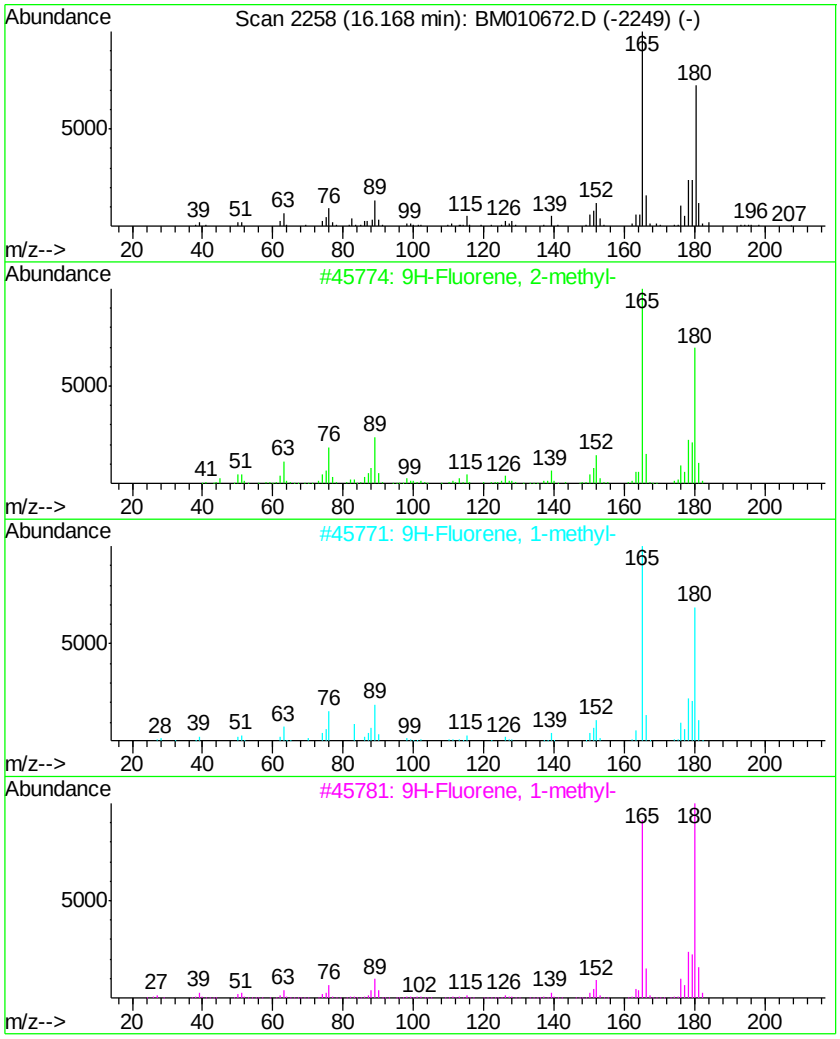
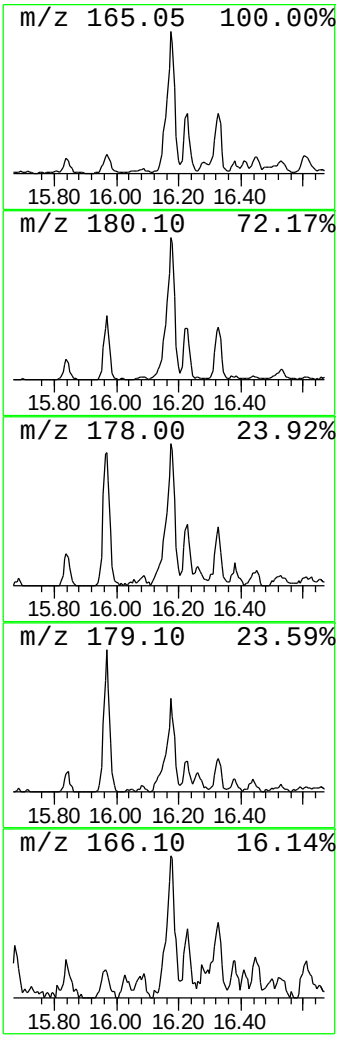
Peak Number 24 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	10.83 ng/ul	680420	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	89
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





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Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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Quant Title : SVOA CALIBRATION

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

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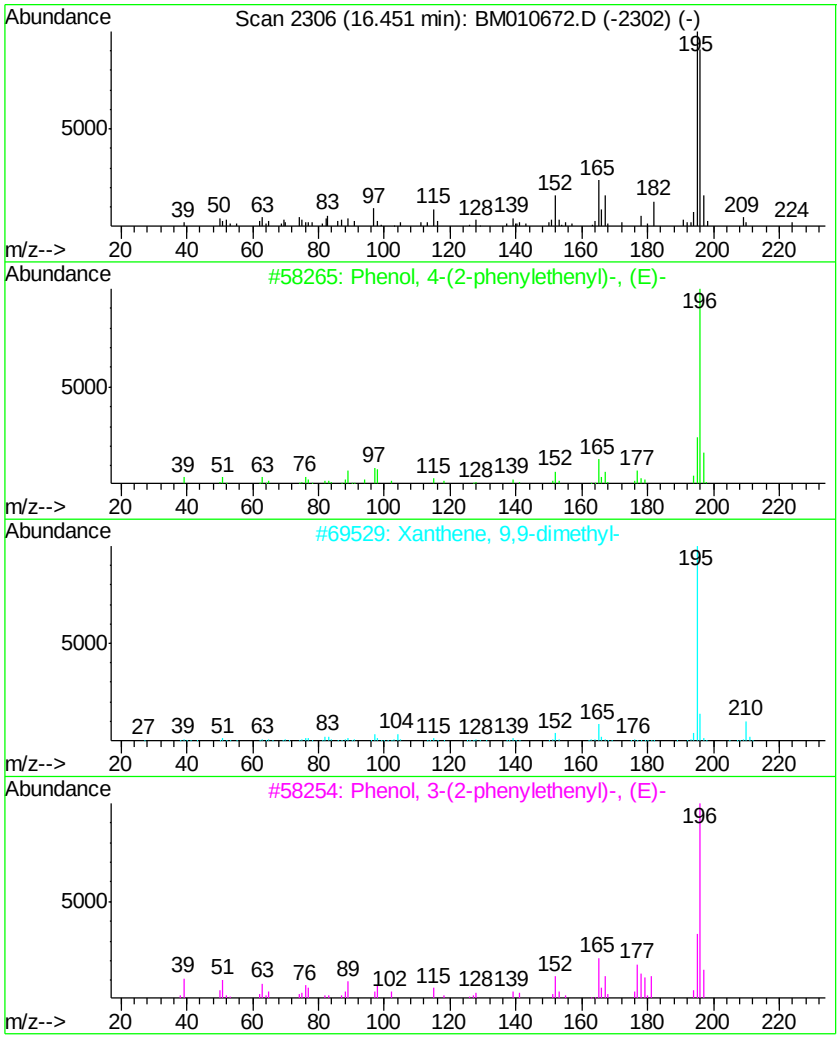
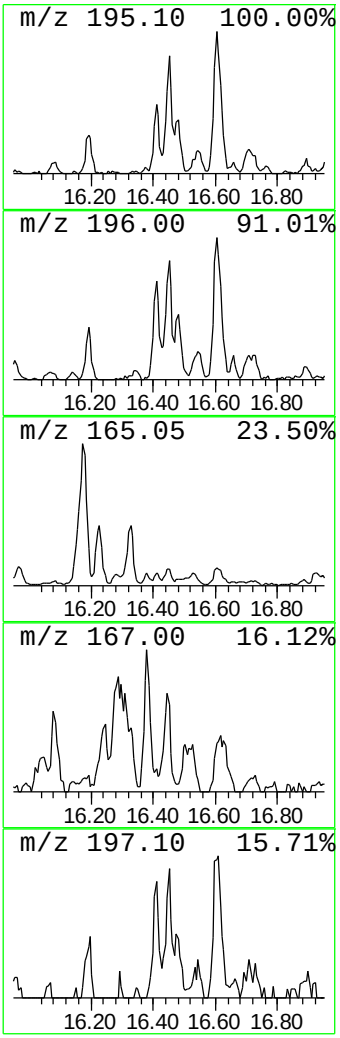
Peak Number 27 Phenol, 4-(2-phenylethenyl)... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	2.58 ng/ul	162248	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	70
2	Xanthene, 9,9-dimethyl-	210	C15H14O	019814-75-6	55
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50
4	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	45
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	43





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Acq On : 22 Jun 2017 22:33
Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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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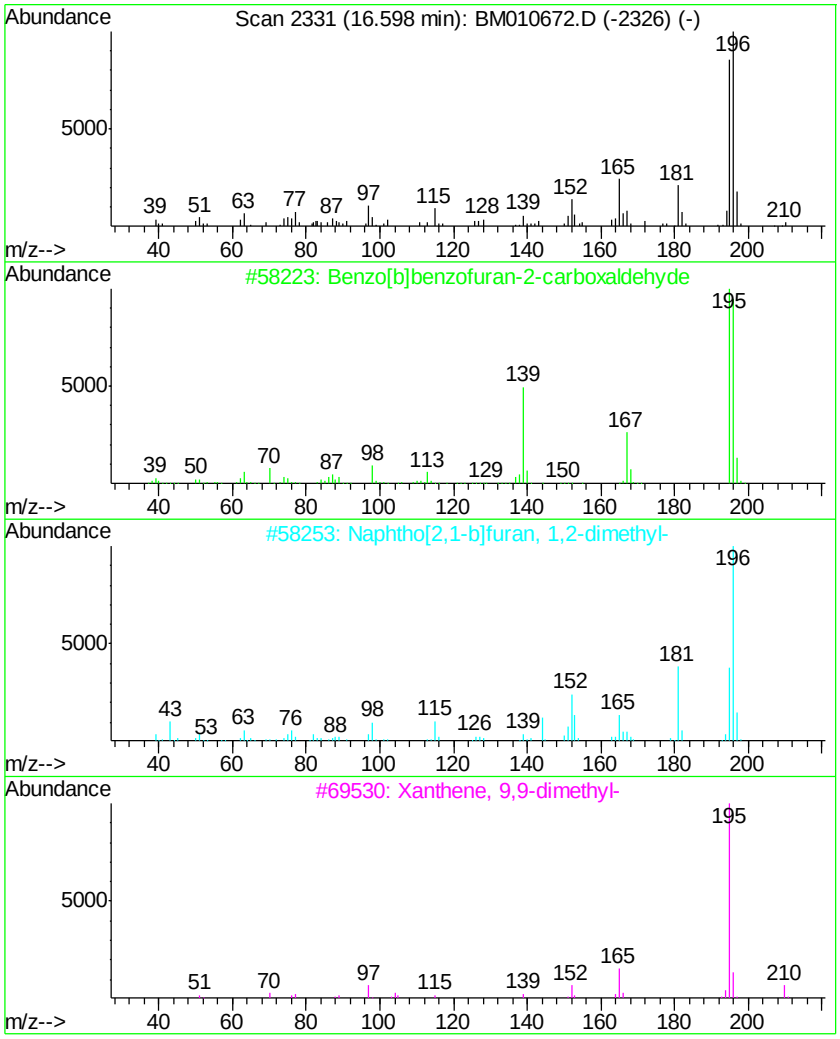
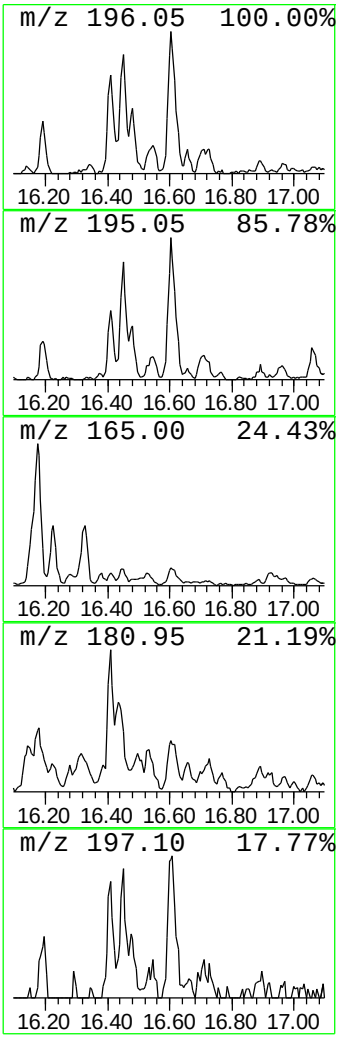
Peak Number 28 Benzo[b]benzofuran-2-carbox... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.11 ng/ul	320935	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
3	Xanthene, 9,9-dimethyl-	210	C15H14O	019814-75-6	50
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46





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Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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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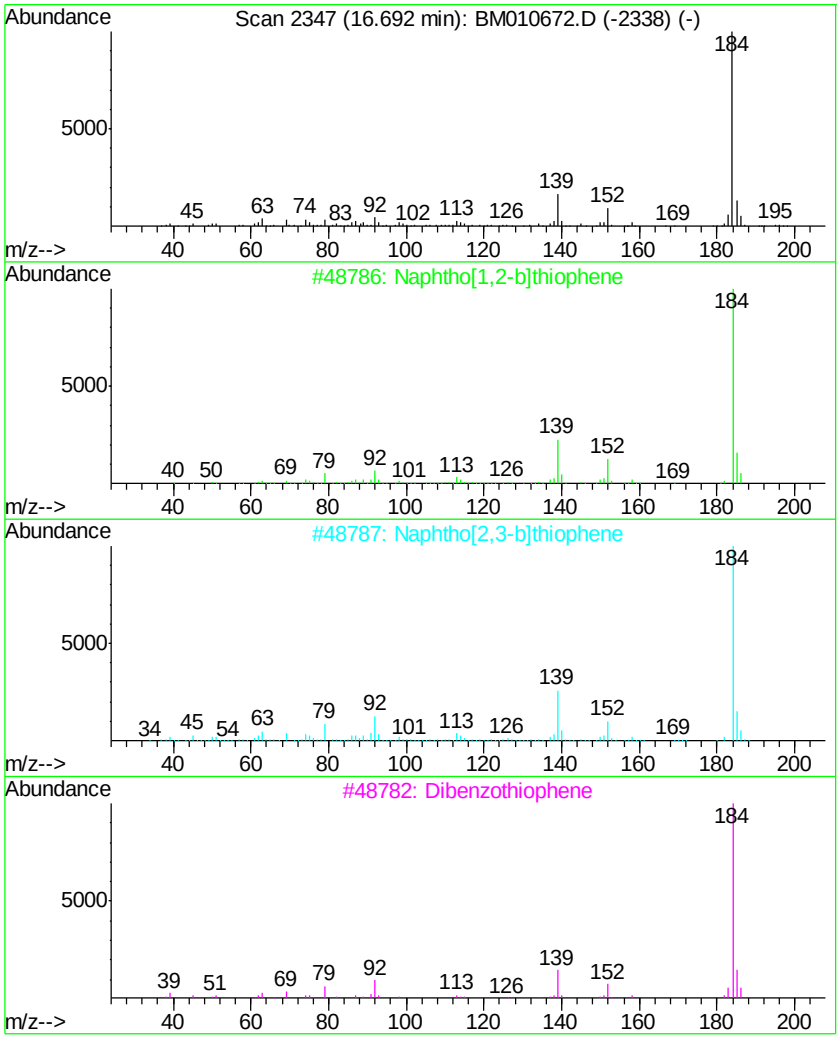
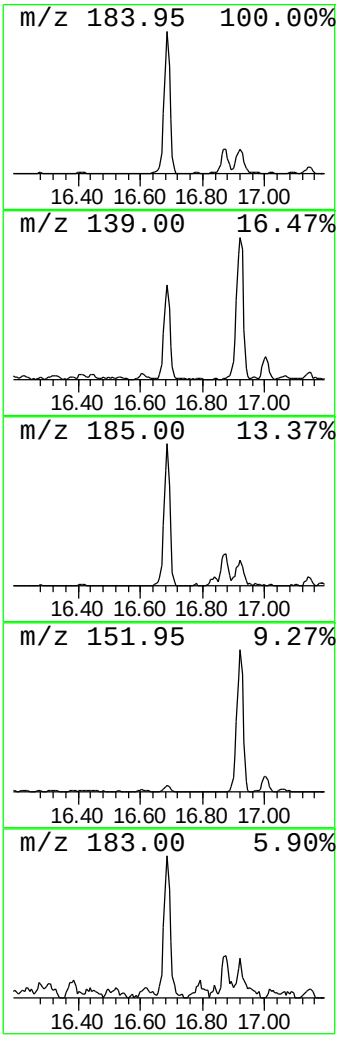
Peak Number 29 Naphtho[1,2-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	16.09 ng/ul	1010350	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Misc :
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Instrument : BNA_M
ClientSampleId : F5B19

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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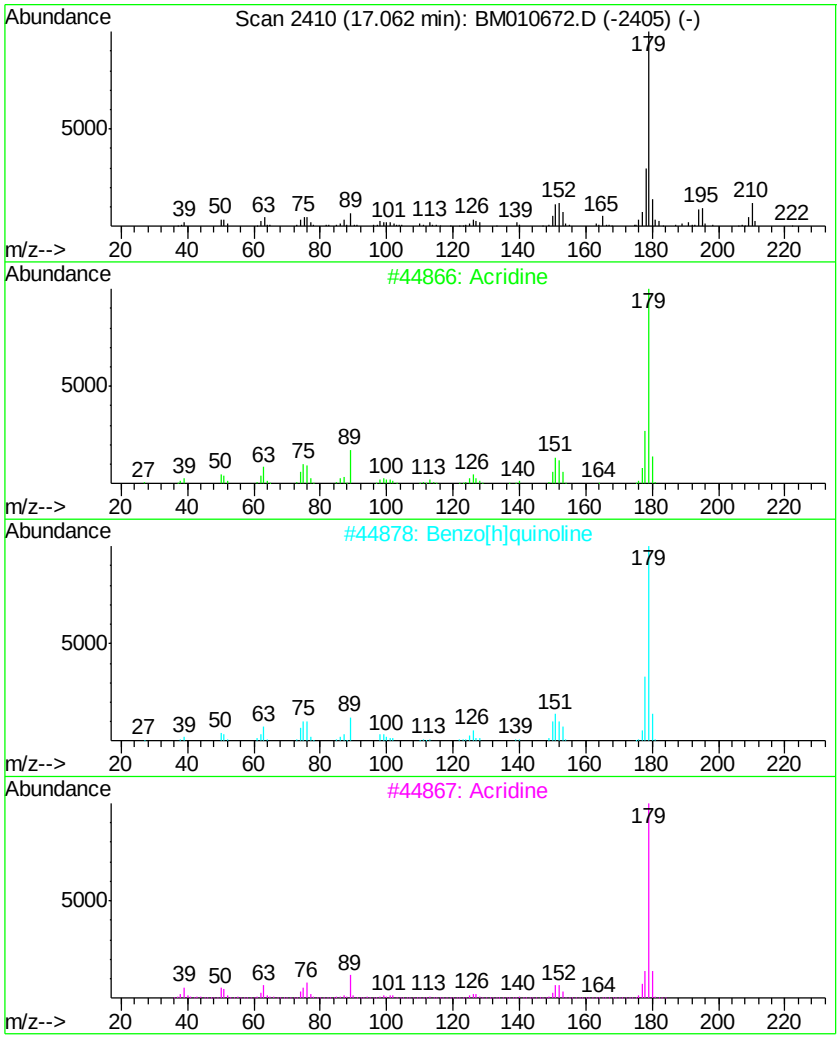
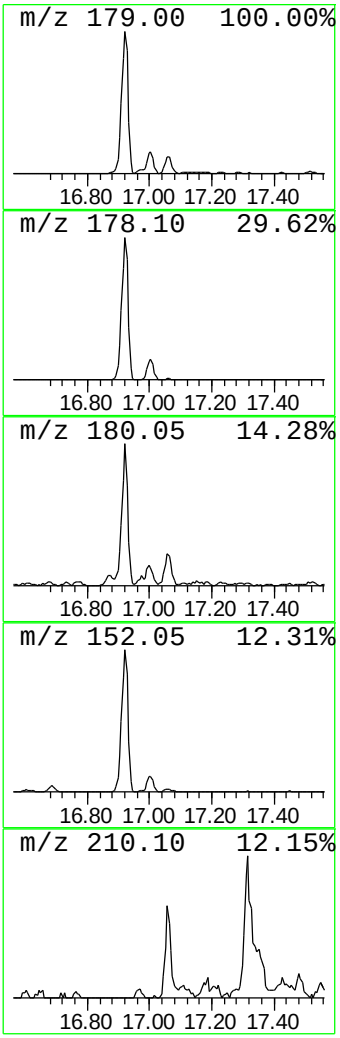
Peak Number 30 Acridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	6.06 ng/ul	380279	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
3	Acridine	179	C13H9N	000260-94-6	92
4	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	81
5	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	81





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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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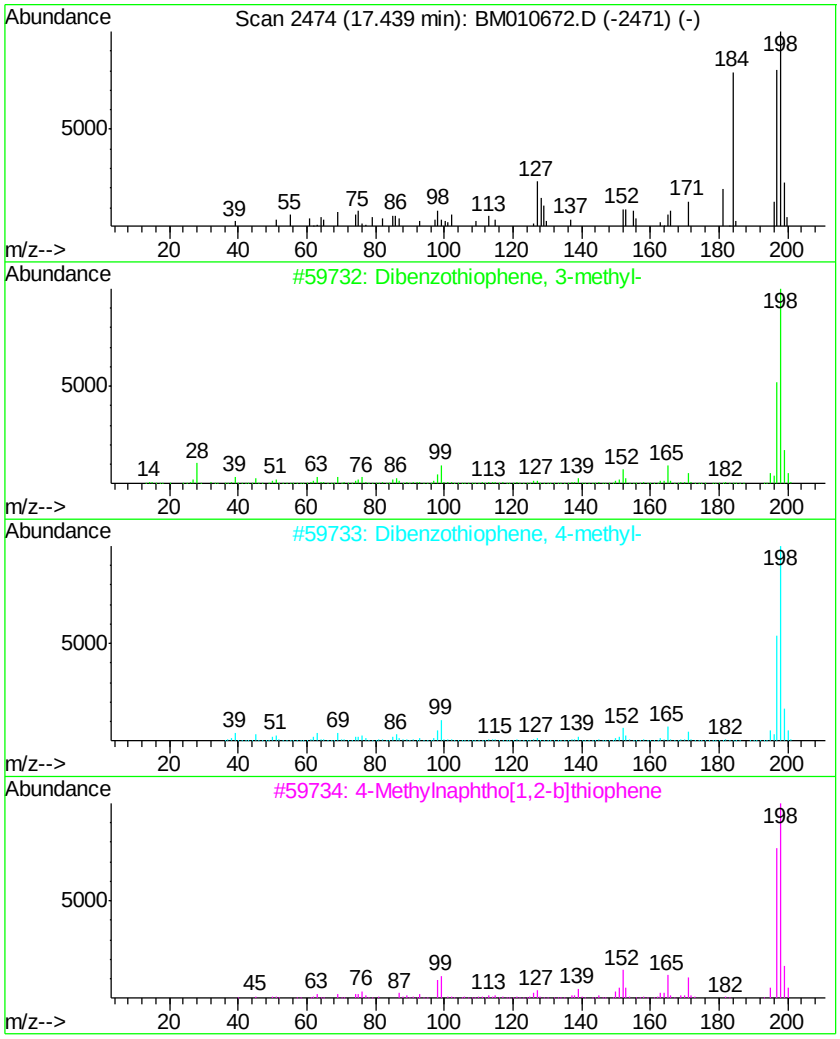
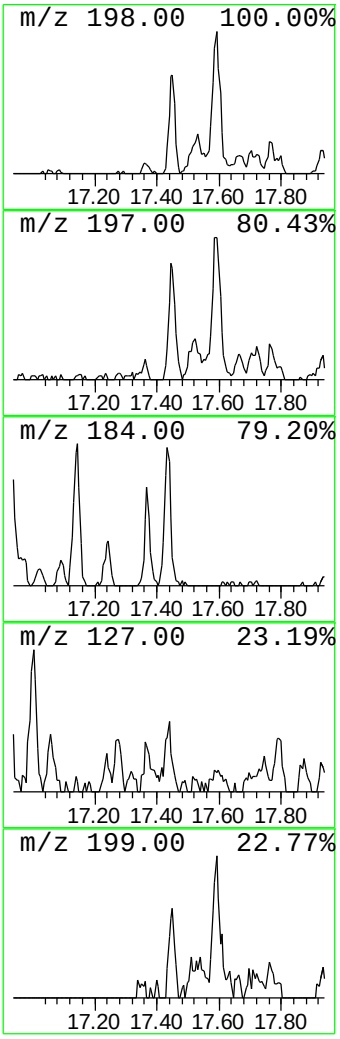
Peak Number 32 Dibenzothiophene, 3-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.51 ng/ul	157803	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	80
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	74
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	68
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64





Tentatively Identified Compound (LSC) summary

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Data File : BM010672.D
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Operator : SJ/JU
Sample : I3653-02 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B19

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	7.0	ng/ul	139991	1	7.46	397540	20.0
1-Propyne, 3-phenyl-	7.99	11.9	ng/ul	236083	1	7.46	397540	20.0
Quinoline, 6-methyl-	12.02	5.7	ng/ul	178019	2	10.23	620066	20.0
Naphthalene, 1-me...	12.12	50.0	ng/ul	1551220	2	10.23	620066	20.0
Naphthalene, 2-et...	13.13	5.4	ng/ul	330997	3	14.12	1220610	20.0
Naphthalene, 1,4-...	13.27	6.5	ng/ul	396199	3	14.12	1220610	20.0
Naphthalene, 1,3-...	13.43	13.3	ng/ul	809506	3	14.12	1220610	20.0
Naphthalene, 1,6-...	13.48	6.0	ng/ul	367806	3	14.12	1220610	20.0
2-Naphthalenecarb...	14.24	2.5	ng/ul	154401	3	14.12	1220610	20.0
Naphthalene, 1,6,...	14.33	2.4	ng/ul	147310	3	14.12	1220610	20.0
4-Hydroxy-1,2,5-t...	14.43	2.9	ng/ul	176730	3	14.12	1220610	20.0
Naphthalene, 2,3,...	14.74	2.8	ng/ul	168748	3	14.12	1220610	20.0
Naphthalene, 1,4,...	14.92	2.3	ng/ul	140399	3	14.12	1220610	20.0
1-Isopropenylnaph...	15.26	2.6	ng/ul	156975	3	14.12	1220610	20.0
Fluorene, 1,4-dih...	15.33	6.7	ng/ul	410414	3	14.12	1220610	20.0
1,1'-Biphenyl, 4-...	15.42	2.8	ng/ul	168274	3	14.12	1220610	20.0
[1,1'-Biphenyl]-4...	15.47	9.6	ng/ul	586693	3	14.12	1220610	20.0
Dibenzofuran, 4-m...	15.62	12.9	ng/ul	811968	4	16.87	1256010	20.0
1,1'-Biphenyl, 2,...	15.84	3.4	ng/ul	211689	4	16.87	1256010	20.0
Anthracene, 9,10-...	15.97	3.8	ng/ul	235779	4	16.87	1256010	20.0
9H-Fluorene, 2-me...	16.17	10.8	ng/ul	680420	4	16.87	1256010	20.0
Phenol, 4-(2-phen...	16.45	2.6	ng/ul	162248	4	16.87	1256010	20.0
Benzo[b]benzofura...	16.60	5.1	ng/ul	320935	4	16.87	1256010	20.0
Naphtho[1,2-b]thi...	16.69	16.1	ng/ul	1010350	4	16.87	1256010	20.0
Acridine	17.06	6.1	ng/ul	380279	4	16.87	1256010	20.0
Dibenzothiophene,...	17.44	2.5	ng/ul	157803	4	16.87	1256010	20.0