LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

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-BM052717.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	6.534	576	586	595	rBV	95843	166571	1.37%	0.114%
2	7.075	671	678	690	rBV	653739	1170450	9.64%	0.801%
3	7.234	699	705	712	rBV	463083	700530	5.77%	0.479%
4	7.428	730	738	747	rBV	734376	1223551	10.08%	0.837%
5	7.892	811	817	828	rVB	610105	974864	8.03%	0.667%
6	8.251	871	878	886	rVB2	111506	173080	1.43%	0.118%
7	8.428	902	908	914	rBV2	151377	253514	2.09%	0.173%
8	8.616	933	940	948	rBV	864575	1373225	11.32%	0.940%
9	9.081	1010	1019	1025	rBV	639967	1086210	8.95%	0.743%
10	9.786	1131	1139	1149	rBV	640832	1102607	9.09%	0.754%
11	10.322	1222	1230	1240	rBV	1013206	1746741	14.39%	1.195%
12	10.698	1285	1294	1297	rBV	740525	1234828	10.18%	0.845%
13	10.751	1297	1303	1311	rVB	7654198	12135650	100.00%	8.304%
14	10.863	1311	1322	1330	rBV2	1060225	2012928	16.59%	1.377%
15	12.351	1568	1575	1583	rBV	2253702	3556466	29.31%	2.434%
16	12.486	1590	1598	1603	rBV3	182048	353161	2.91%	0.242%
17	12.569	1605	1612	1618	rVB	1070926	1649729	13.59%	1.129%
18	13.357	1741	1746	1753	rBV	512074	784985	6.47%	0.537%
19	13.551	1773	1779	1783	rBV	136542	209422	1.73%	0.143%
20	13.680	1794	1801	1802	rBV	262363	371682	3.06%	0.254%
21	13.839	1821	1828	1833	rBV	393889	721549	5.95%	0.494%
22	13.892	1833	1837	1841	rVV2	242720	336741	2.77%	0.230%
23	13.945	1841	1846	1850	rVV	2011053	2689398	22.16%	1.840%
24	13.992	1850	1854	1859	rVB	899543	1155949	9.53%	0.791%
25	14.080	1863	1869	1873	rBV	207629	344197	2.84%	0.236%
26	14.227	1888	1894	1904	rVB	2028434	3126196	25.76%	2.139%
27	14.492	1934	1939	1941	rBV3	206604	267446	2.20%	0.183%
28	14.527	1941	1945	1951	rVV2	1133885	1753745	14.45%	1.200%
29	14.592	1951	1956	1963	rVB	2083831	2996265	24.69%	2.050%
30	14.680	1966	1971	1975	rBV	167135	260553	2.15%	0.178%
31	14.774	1981	1987	1994	rBV	774201	1179428	9.72%	0.807%
32	14.833	1995	1997	2002	rVB4	115309	153071	1.26%	0.105%
33	14.927	2006	2013	2018	rBV	1819556	2676991	22.06%	1.832%
34	14.968	2018	2020	2027	rVB3	118572	254591	2.10%	0.174%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

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-BM052717.M
Title : SVOA CALIBRATION

35	15.039	2027	2032	2040	rVB	184055	302939	2.50%	0.207%
36	15.127	2040	2047	2050	rBV2	98401	187006	1.54%	0.128%
37	15.310	2071	2078	2089	rVB8	103129	288337	2.38%	0.197%
38	15.521	2104	2114	2119	rBV	2793063	3955377	32.59%	2.707%
39	15.574	2119	2123	2130	rVB	2333566	3392788	27.96%	2.322%
40	15.651	2130	2136	2141	rBV	960217	1404355	11.57%	0.961%
41	15.733	2146	2150	2155	rVB2	226418	346796	2.86%	0.237%
42	15.821	2162	2165	2168	rBV3	111447	151030	1.24%	0.103%
43	15.862	2168	2172	2179	rVB	355459	521194	4.29%	0.357%
44	16.009	2192	2197	2204	rVB	369665	707169	5.83%	0.484%
45	16.098	2207	2212	2220	rVB2	180826	313269	2.58%	0.214%
46	16.368	2253	2258	2262	rVB2	108359	144408	1.19%	0.099%
47	16.439	2263	2270	2273	rBV2	107928	183128	1.51%	0.125%
48	16.574	2279	2293	2297	rBV3	274042	691057	5.69%	0.473%
49	16.621	2297	2301	2306	rVB3	95485	153217	1.26%	0.105%
50	16.792	2322	2330	2334	rVV4	143261	294798	2.43%	0.202%
51	16.833	2334	2337	2341	rVV2	136426	200397	1.65%	0.137%
52	16.992	2357	2364	2372	rVV4	123861	328611	2.71%	0.225%
53	17.098	2373	2382	2392	rVB	566040	927837	7.65%	0.635%
54	17.280	2407	2413	2416	rBV	1742069	2556278	21.06%	1.749%
55	17.321	2416	2420	2425	rVV	8799696	11899594	98.05%	8.143%
56	17.380	2425	2430	2433	rVV	3285059	5165780	42.57%	3.535%
57	17.409	2433	2435	2441	rVV	2252375	2798153	23.06%	1.915%
58	17.474	2441	2446	2453	rVV	494280	784662	6.47%	0.537%
59	17.662	2474	2478	2479	rBV3	112892	135868	1.12%	0.093%
60	17.698	2479	2484	2491	rVB	2243581	3108959	25.62%	2.127%
61	17.792	2495	2500	2507	rBV5	178058	366354	3.02%	0.251%
62	17.856	2507	2511	2516	rBV2	180825	261396	2.15%	0.179%
63	17.939	2519	2525	2529	rVV5	81260	166036	1.37%	0.114%
64	18.139	2551	2559	2564	rBV3	611806	1363143	11.23%	0.933%
65	18.192	2564	2568	2577	rVB2	766445	1180194	9.73%	0.808%
66	18.274	2577	2582	2588	rBV2	375220	570943	4.70%	0.391%
67	18.345	2588	2594	2598	rBV2	944421	1635484	13.48%	1.119%
68	18.456	2606	2613	2618	rBV2	170413	342905	2.83%	0.235%
69	18.503	2618	2621	2625	rVV2	131426	165088	1.36%	0.113%
70	18.598	2634	2637	2640	rBV2	112288	146327	1.21%	0.100%
71	18.645	2641	2645	2650	rVB	442199	570614	4.70%	0.390%

LSC Area Percent Report

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Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

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-BM052717.M
Title : SVOA CALIBRATION

72	18.880	2680	2685	2690	rBV6	79472	147749	1.22%	0.101%
73	19.050	2710	2714	2718	rBV	155949	233895	1.93%	0.160%
74	19.327	2756	2761	2767	rVB	5624405	7152473	58.94%	4.894%
75	19.392	2768	2772	2776	rBV6	106739	241423	1.99%	0.165%
76	19.533	2791	2796	2800	rBV	1525130	1771510	14.60%	1.212%
77	19.662	2812	2818	2821	rBV2	5135858	7744978	63.82%	5.300%
78	19.697	2821	2824	2830	rVV	3435536	4645303	38.28%	3.179%
79	19.756	2831	2834	2842	rVB2	224074	340368	2.80%	0.233%
80	19.868	2849	2853	2857	rVB	240620	333445	2.75%	0.228%
81	19.945	2862	2866	2871	rVB	252519	343495	2.83%	0.235%
82	20.003	2871	2876	2883	rVB3	237648	519395	4.28%	0.355%
83	20.080	2885	2889	2893	rBV2	236185	384248	3.17%	0.263%
84	20.150	2895	2901	2903	rVV	629989	985514	8.12%	0.674%
85	20.180	2903	2906	2911	rVB	754436	943452	7.77%	0.646%
86	20.280	2918	2923	2926	rBV	805948	1051841	8.67%	0.720%
87	20.480	2954	2957	2961	rBV2	103236	138739	1.14%	0.095%
88	20.527	2962	2965	2969	rVV6	136343	172625	1.42%	0.118%
89	20.574	2969	2973	2977	rVB	983477	995882	8.21%	0.681%
90	20.703	2992	2995	2999	rVB2	126366	139529	1.15%	0.095%
91	20.791	3007	3010	3014	rVB3	181667	232694	1.92%	0.159%
92	21.097	3058	3062	3065	rBV3	322403	530136	4.37%	0.363%
93	21.444	3114	3121	3124	rBV2	3684571	5796956	47.77%	3.967%
94	21.480	3124	3127	3131	rVB	1027849	1196202	9.86%	0.819%
95	21.597	3144	3147	3151	rBV	267897	299069	2.46%	0.205%
96	21.950	3204	3207	3212	rBV2	275761	448879	3.70%	0.307%
97	22.938	3373	3375	3383	rVB6	229129	350979	2.89%	0.240%
98	23.068	3393	3397	3401	rBV	282617	574479	4.73%	0.393%
99	23.633	3486	3493	3499	rBV2	3412955	6854826	56.49%	4.691%
100	23.780	3512	3518	3525	rBV	2007015	3660082	30.16%	2.505%

Sum of corrected areas: 146137971

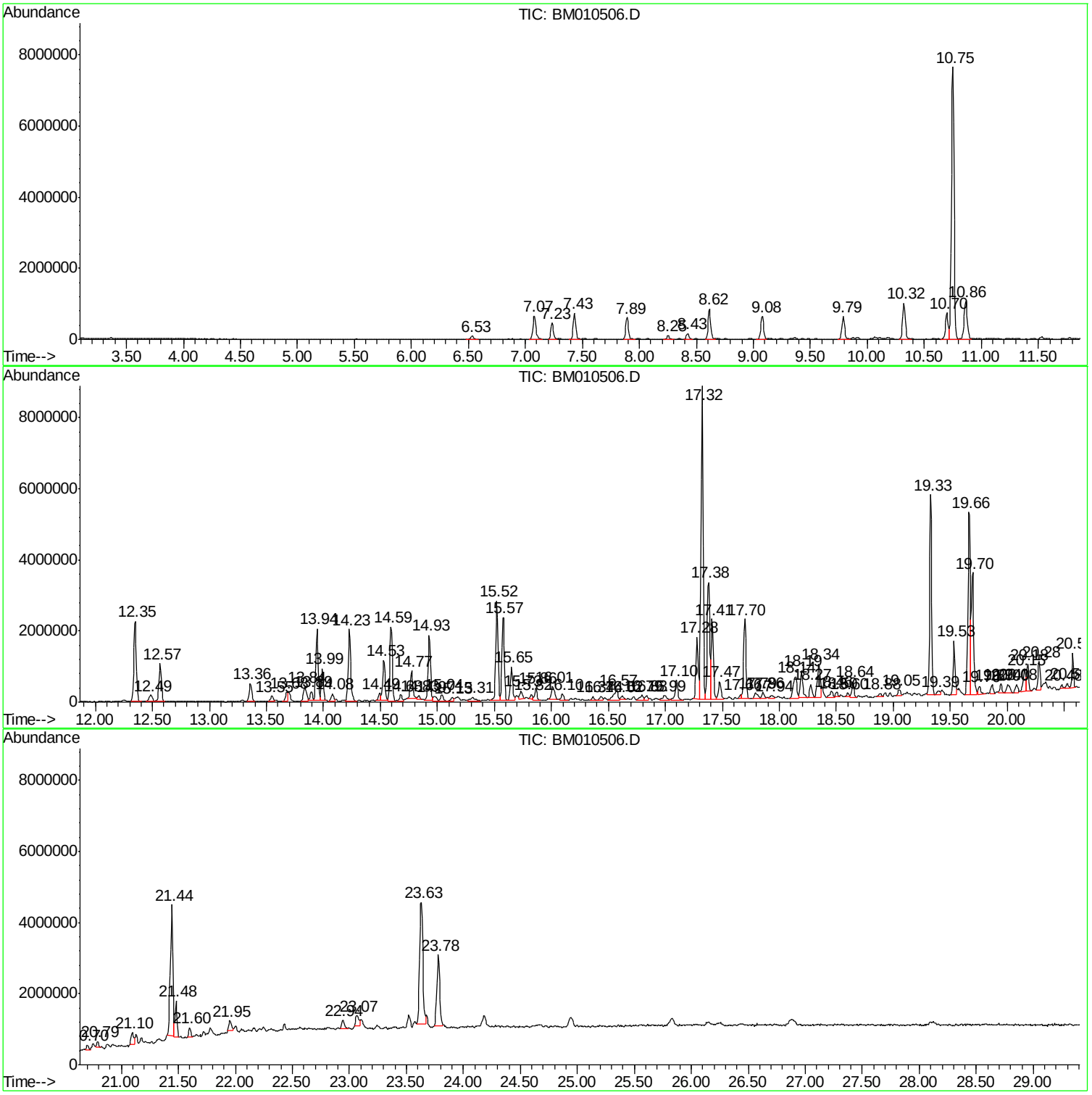
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

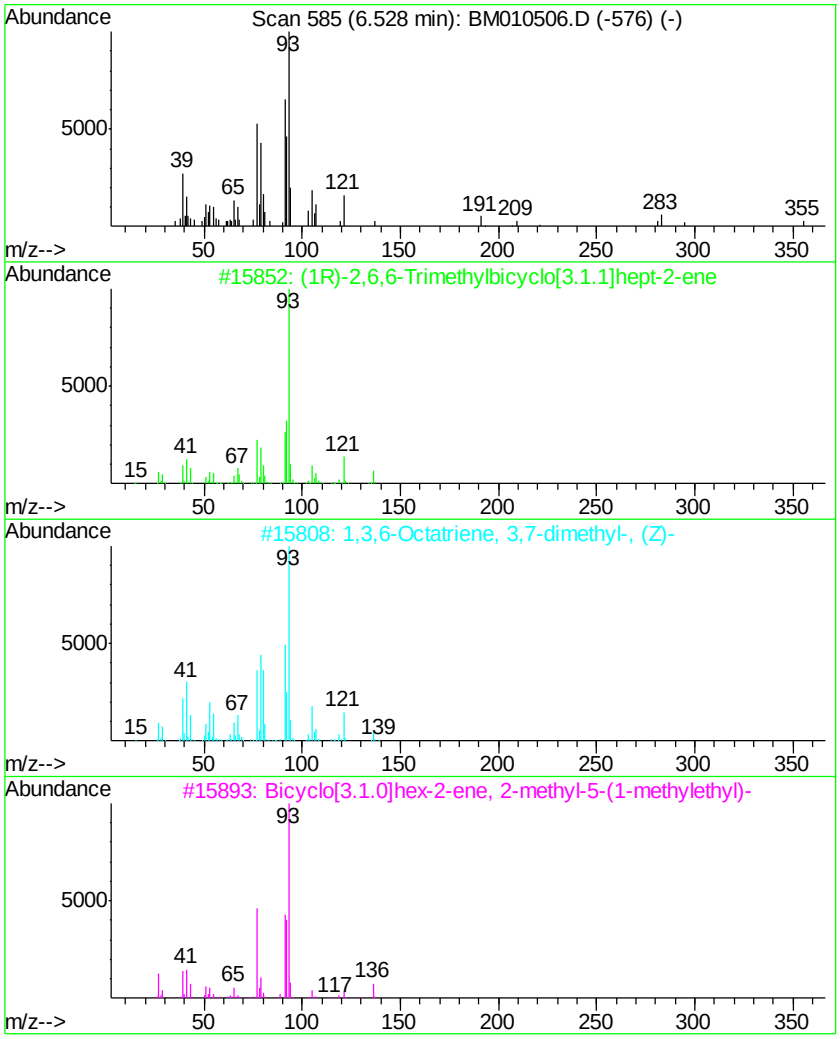
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

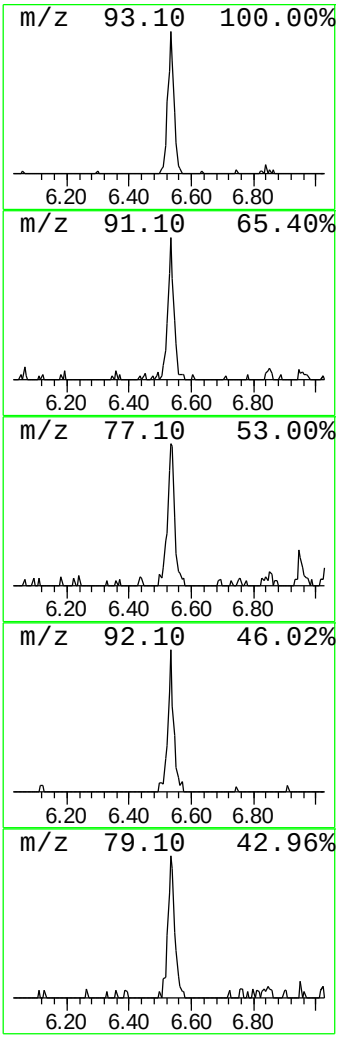
****

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	3.42 ng/ul	166571	1,4-Dichlorobenzene-d4	7.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	80
2	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	72
3	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	64
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	64
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

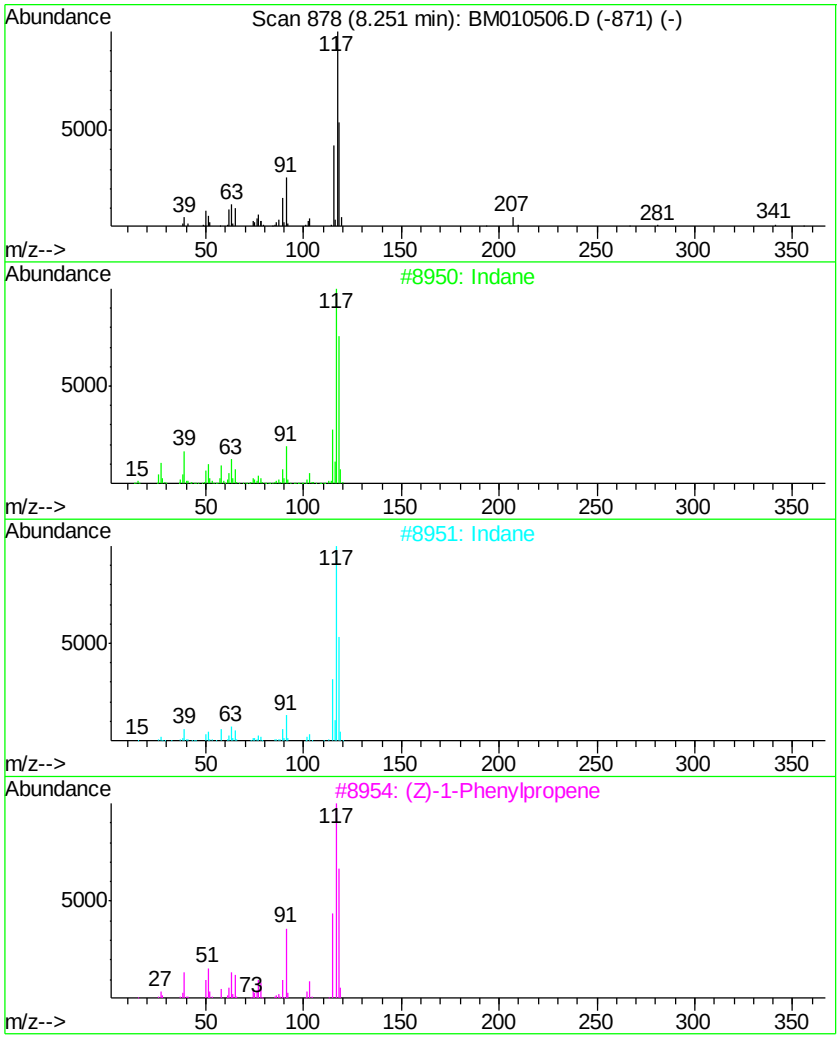
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

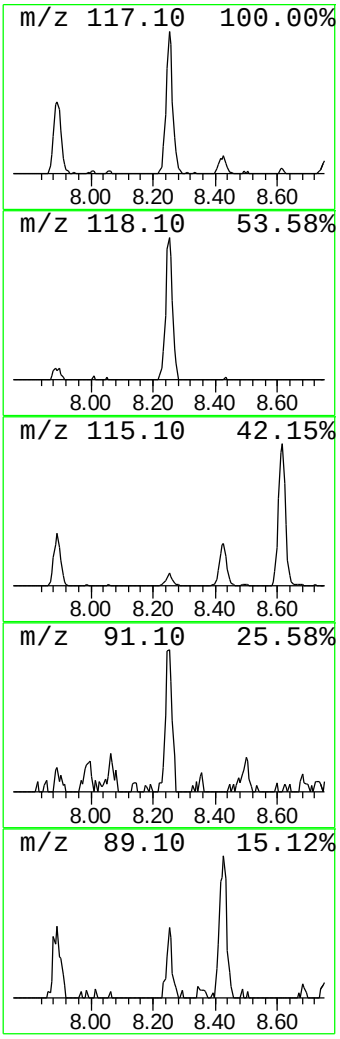
****

Peak Number 2 Indane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	3.55 ng/ul	173080	1,4-Dichlorobenzene-d4	7.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	68
2	Indane	118	C9H10	000496-11-7	55
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	55
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
5	Indane	118	C9H10	000496-11-7	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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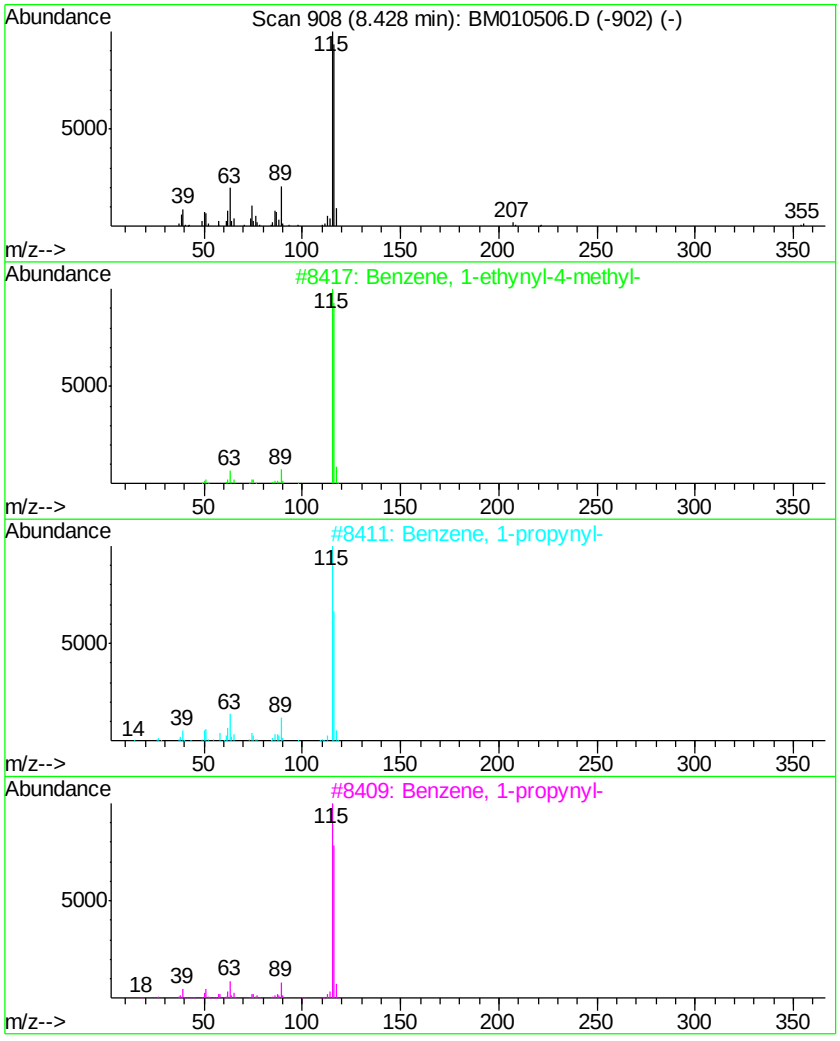
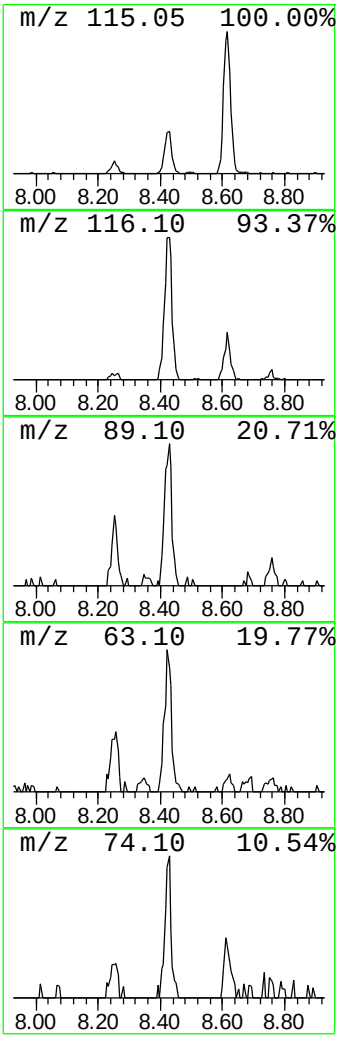
****

Peak Number 3 Benzene, 1-ethynyl-4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	5.20 ng/ul	253514	1,4-Dichlorobenzene-d4	7.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83
5	Indene	116	C9H8	000095-13-6	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
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Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

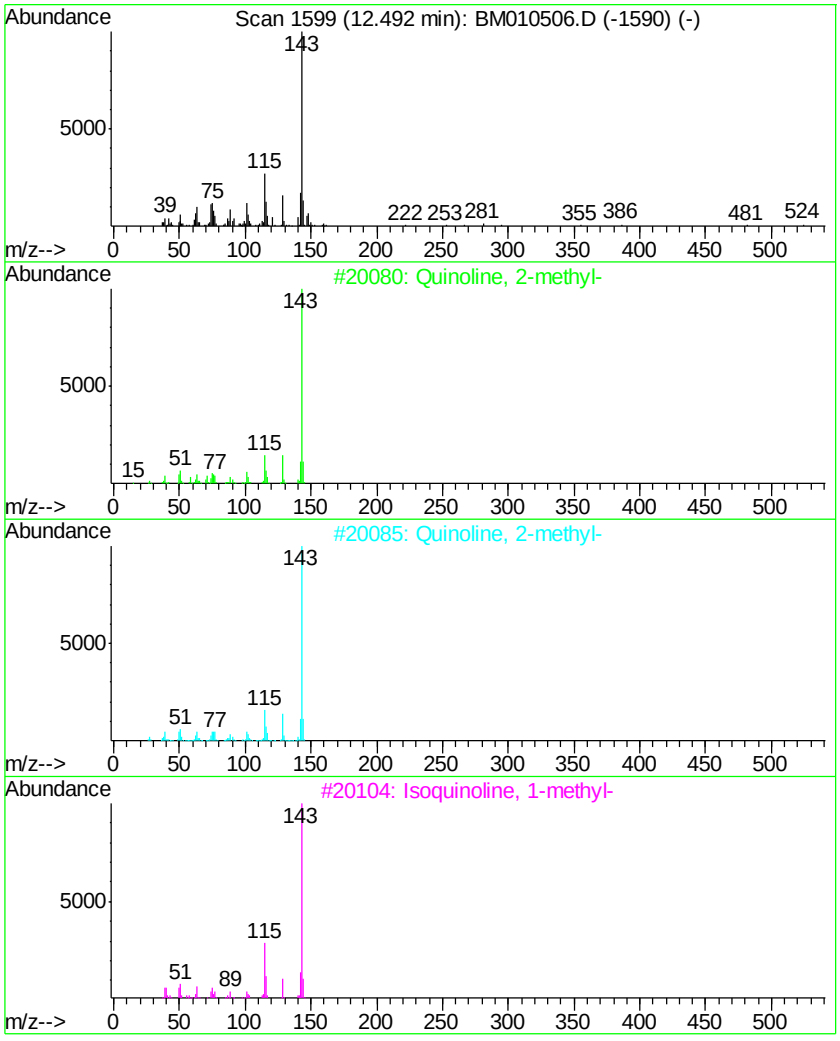
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

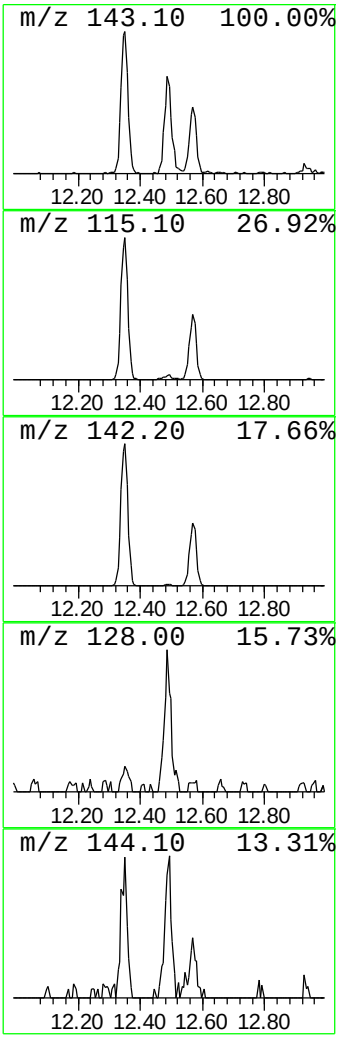
****

Peak Number 4 Quinoline, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.72 ng/ul	353161	Naphthalene-d8	10.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	95
2	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	94
3	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	93
4	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	70
5	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

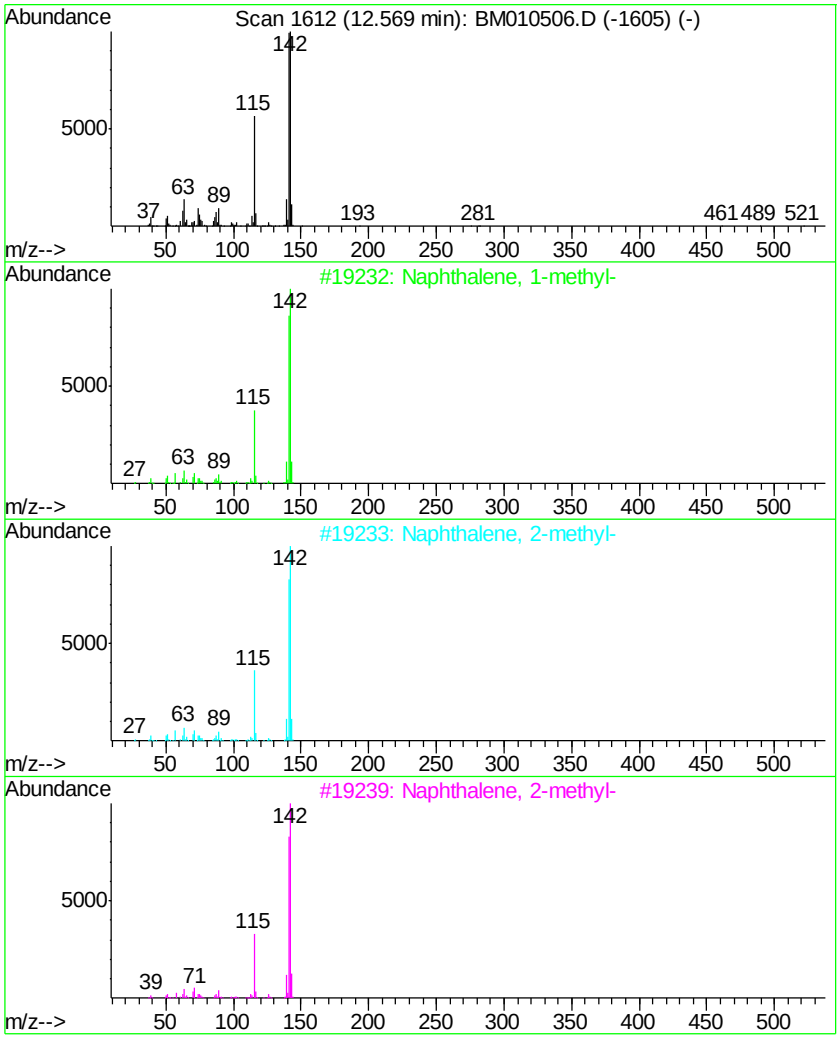
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

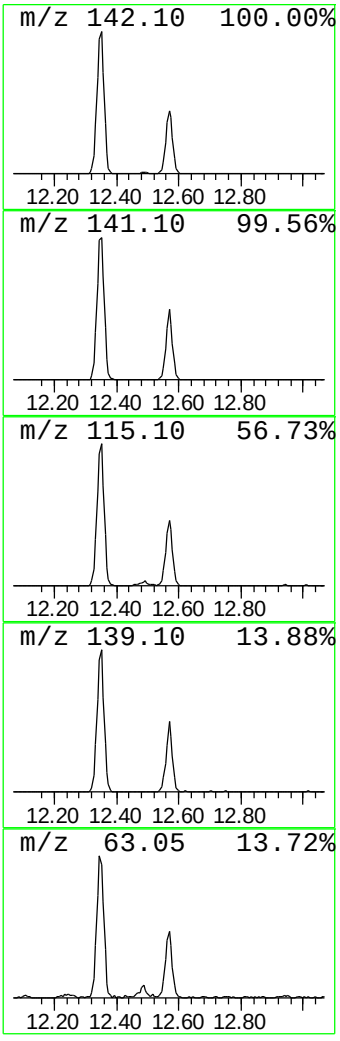
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	26.72 ng/ul	1649730	Naphthalene-d8	10.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





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Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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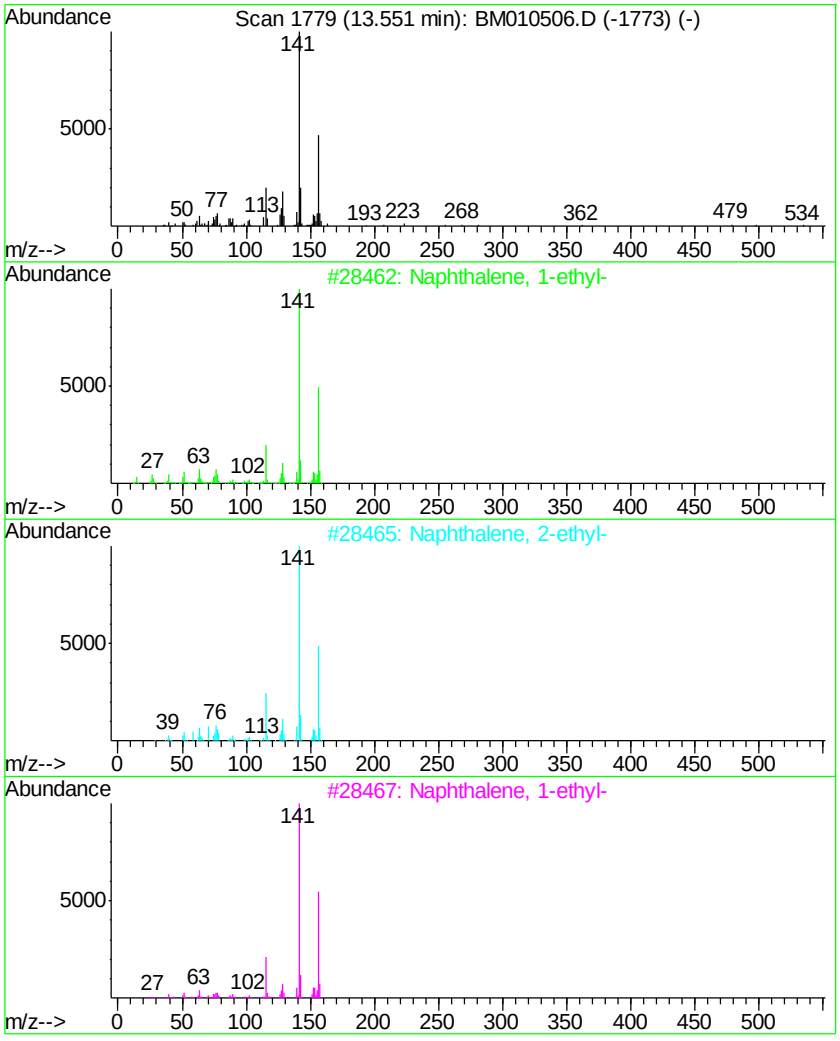
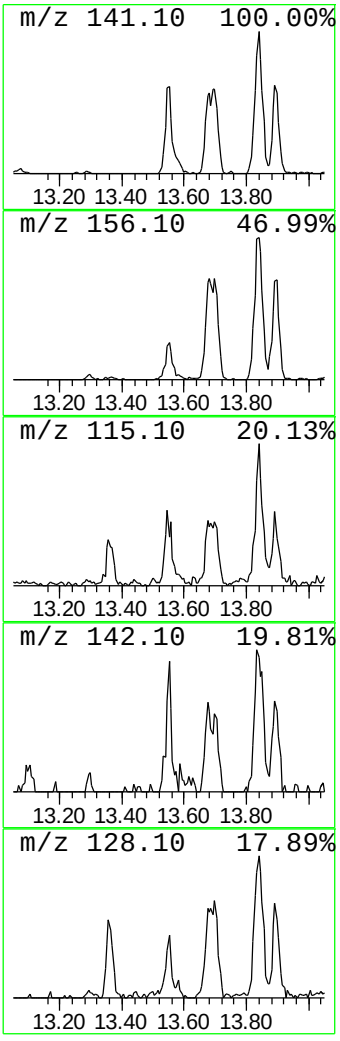
Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.39 ng/ul	209422	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	87
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	87
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	87
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	87
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	81





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Sample : I3558-16
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Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

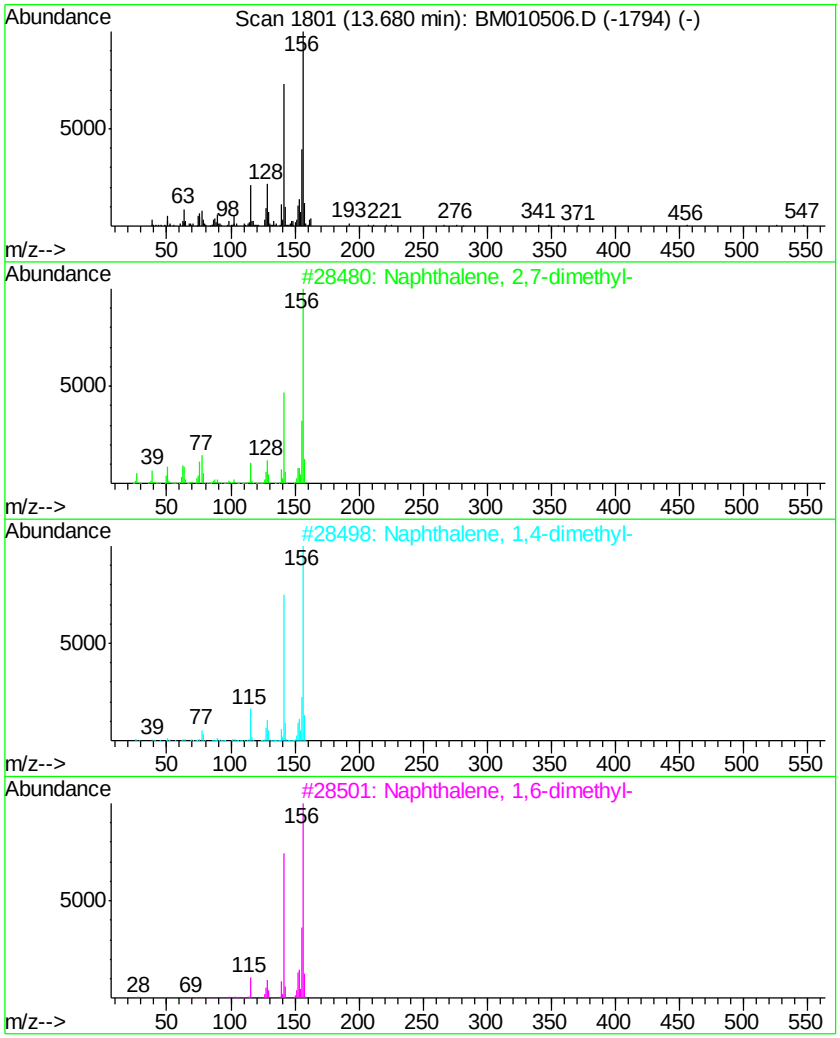
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

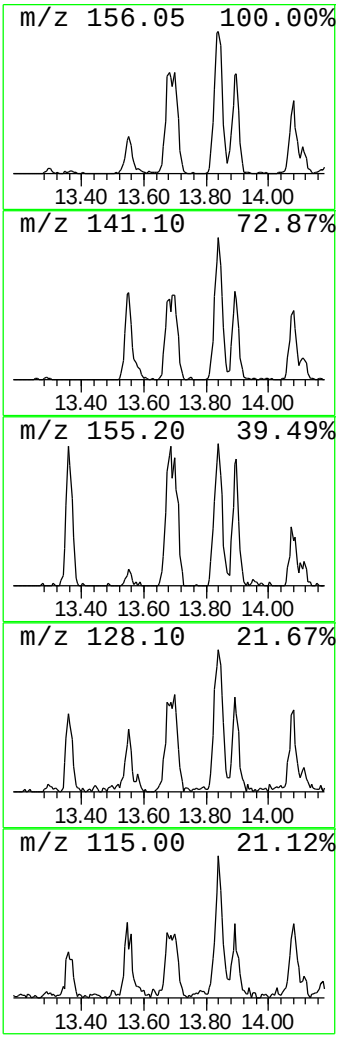
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	4.24 ng/ul	371682	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





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Sample : I3558-16
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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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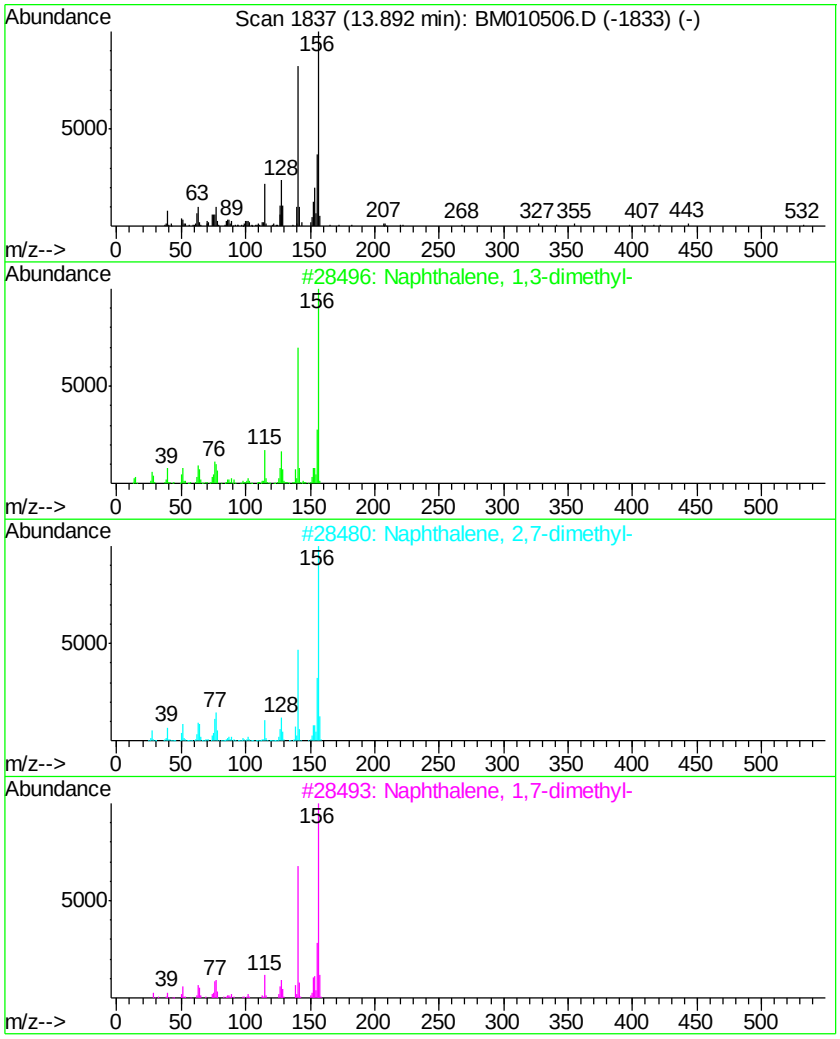
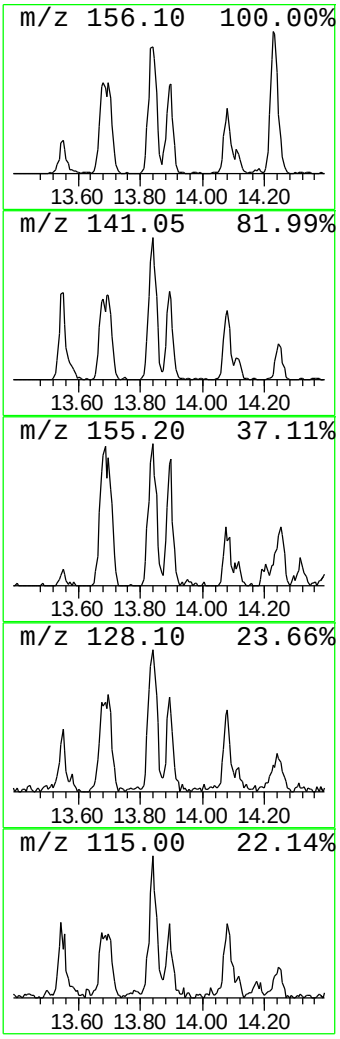
Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.84 ng/ul	336741	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90





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Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

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Quant Title : SVOA CALIBRATION

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

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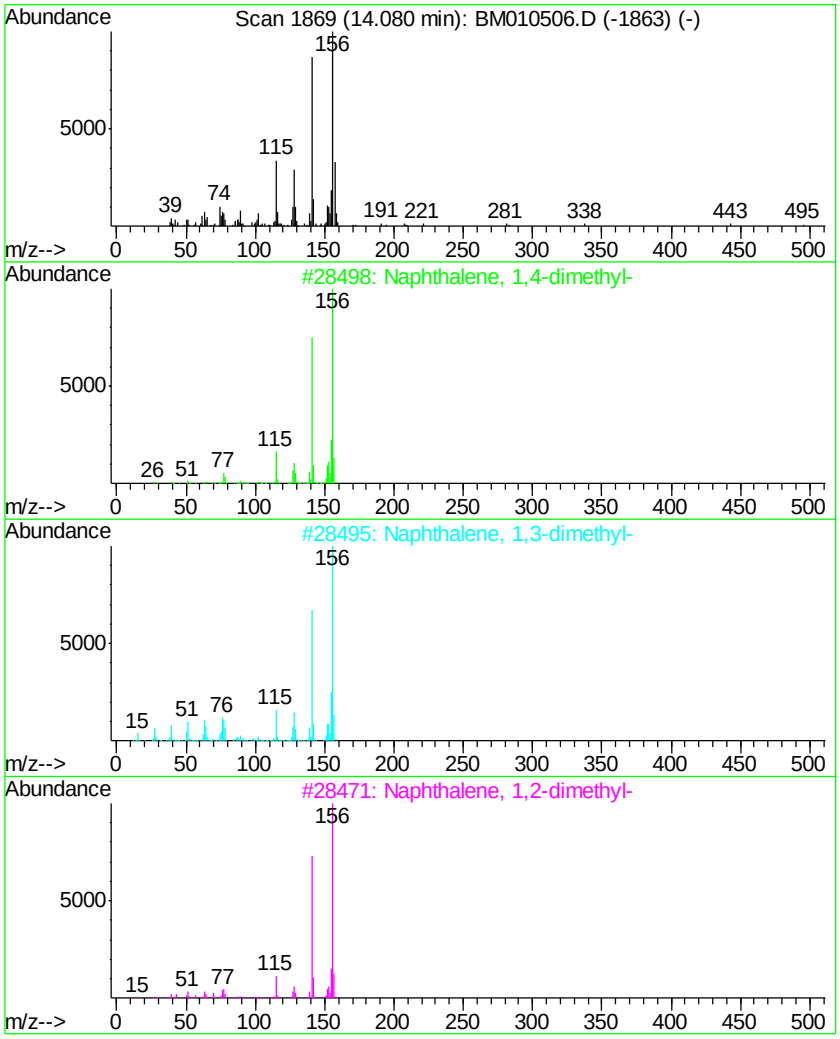
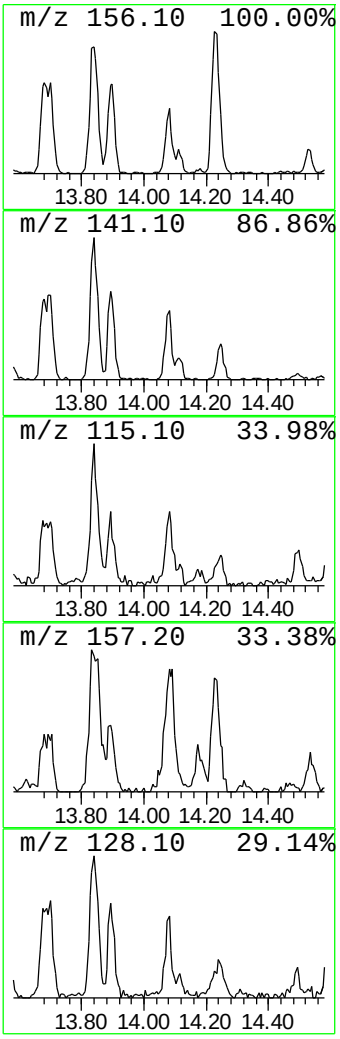
Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	3.93 ng/ul	344197	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	83
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	81
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	81





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Sample : I3558-16
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

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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 2-Naphthalenecarbonitrile Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	2.97 ng/ul	260553	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	87
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	83
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	80
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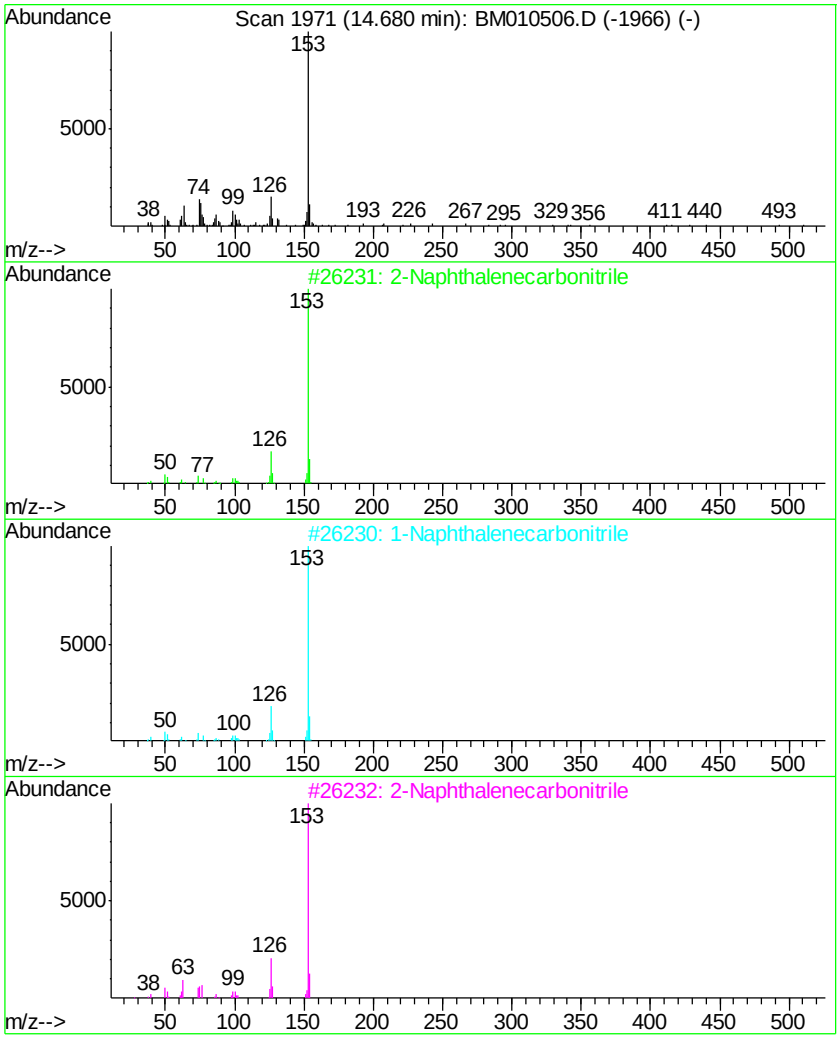

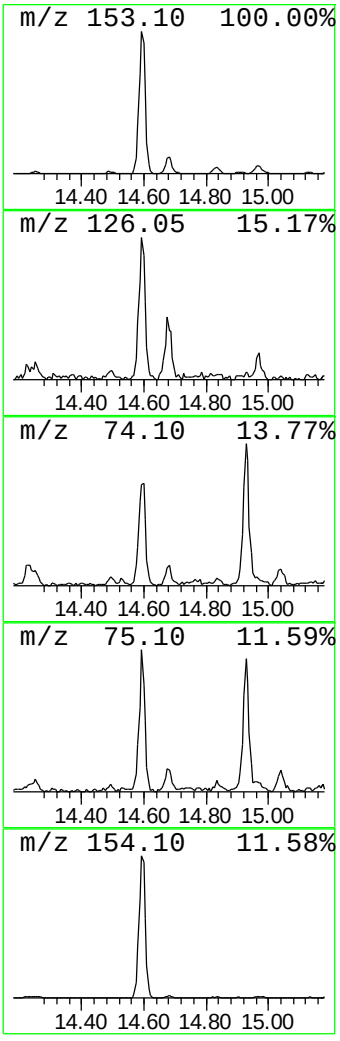

Library Search Compound Report

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Sample : I3558-16
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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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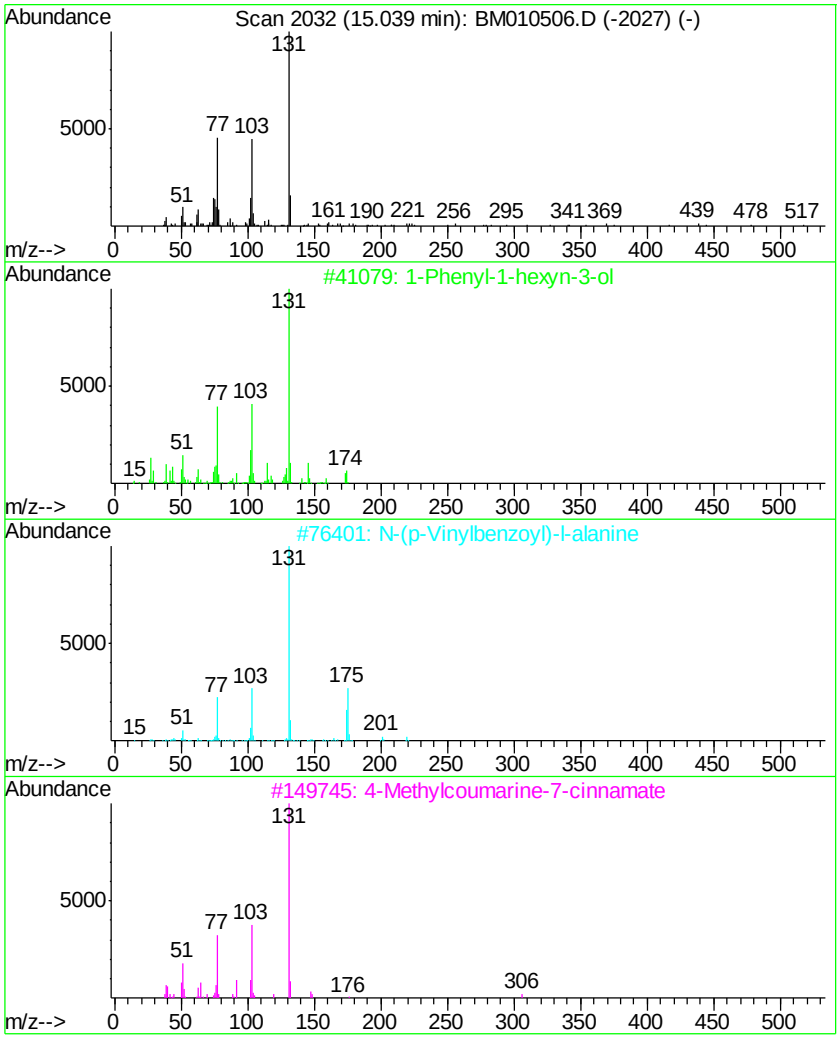
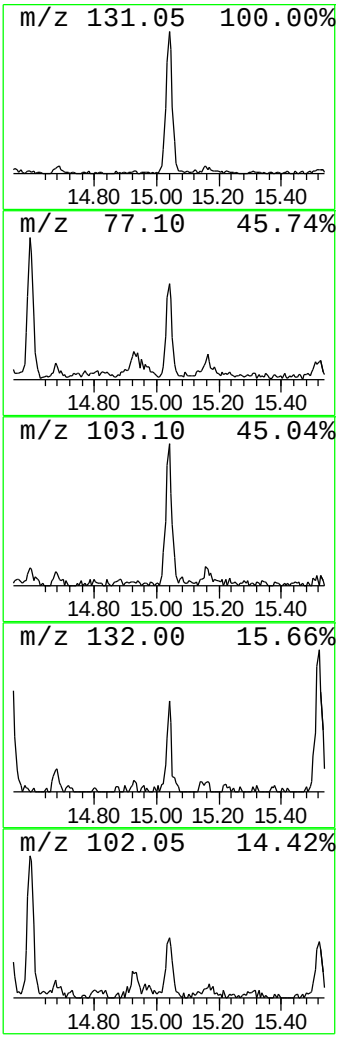
Peak Number 12 1-Phenyl-1-hexyn-3-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	3.45 ng/ul	302939	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-hexyn-3-ol	174	C12H14O	001817-51-2	74
2	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	74
3	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	74
4	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	64
5	1,3-Bis(cinnamoyloxymethyl)adama...	456	C30H32O4	303797-58-2	64





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Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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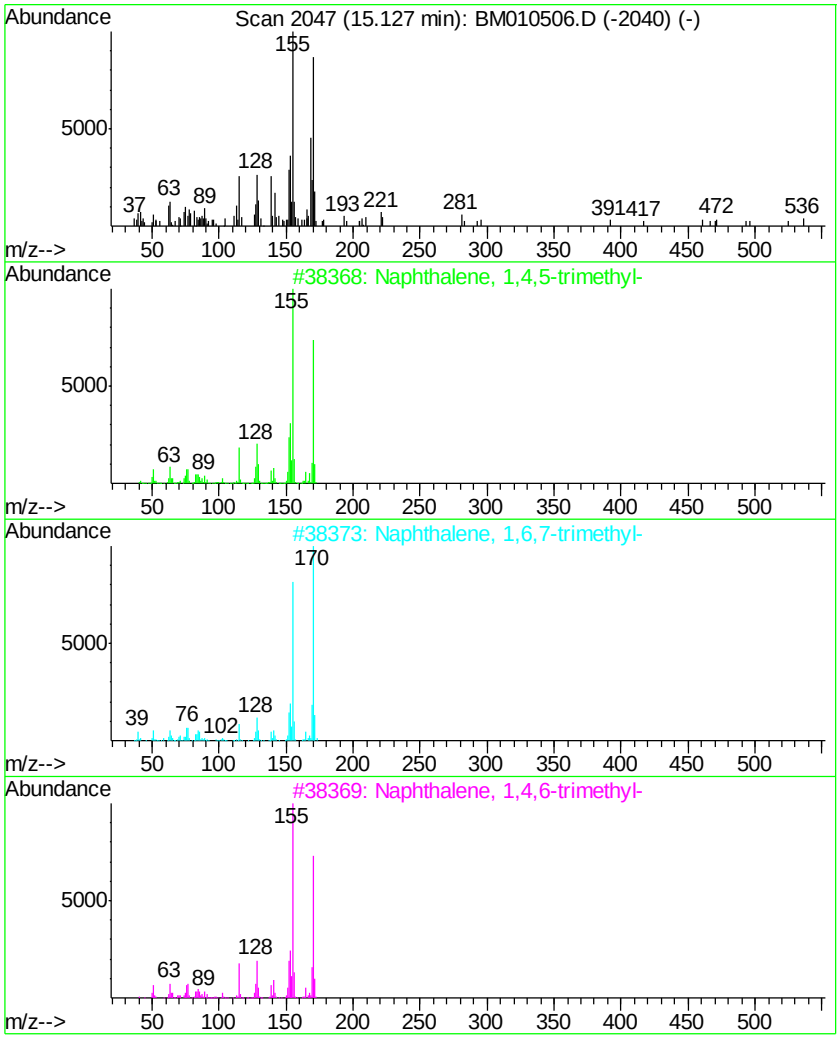
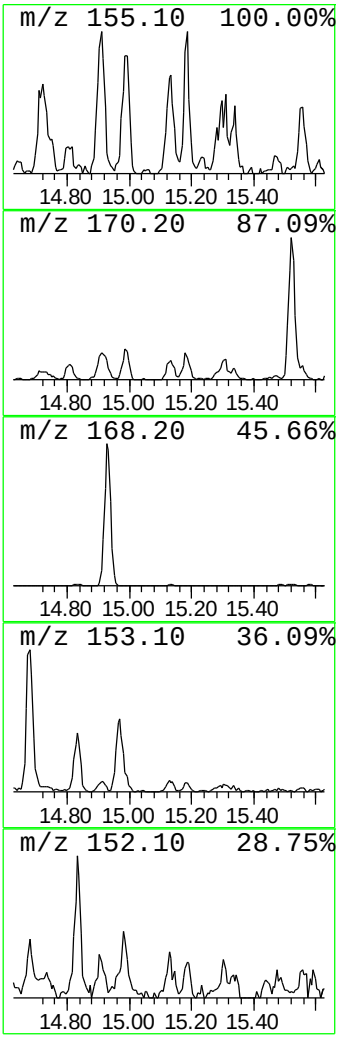
Peak Number 13 Naphthalene, 1,4,5-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.13 ng/ul	187006	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	60





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Quant Title : SVOA CALIBRATION

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

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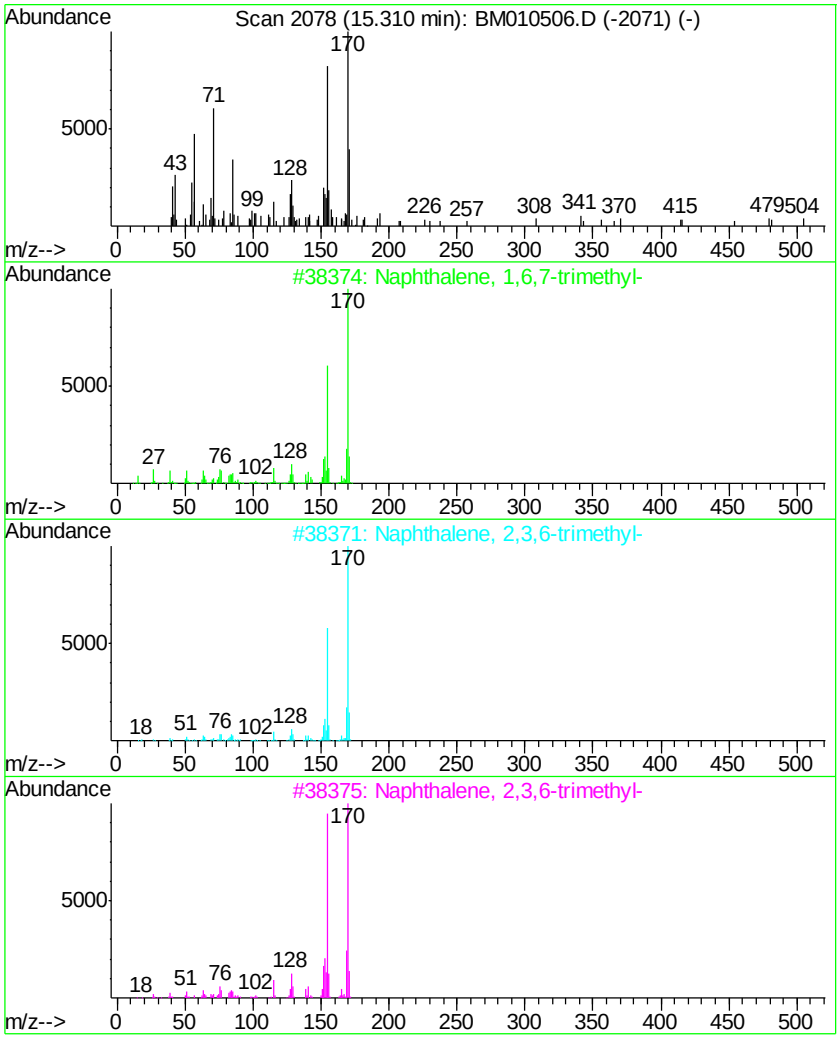
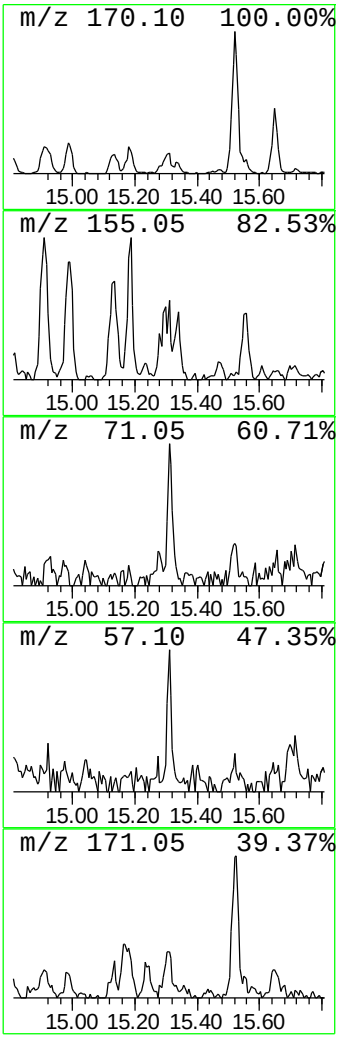
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	3.29 ng/ul	288337	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	62
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	58
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	58
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	58





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Quant Title : SVOA CALIBRATION

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

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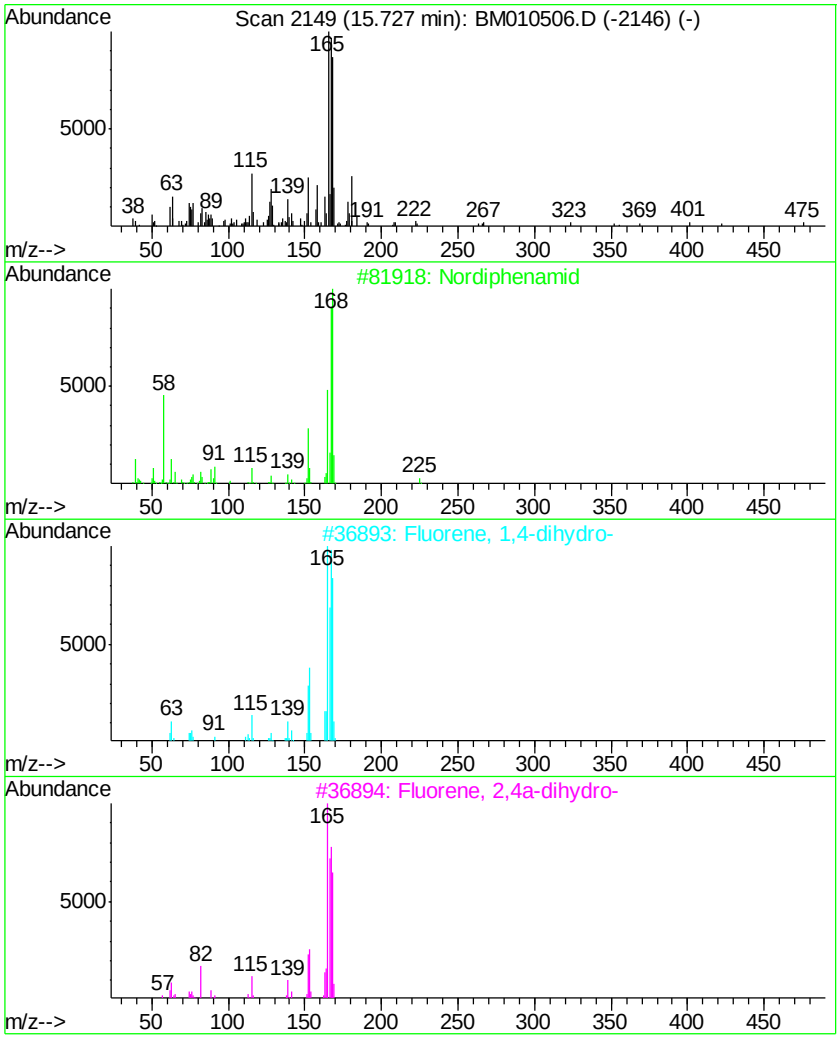
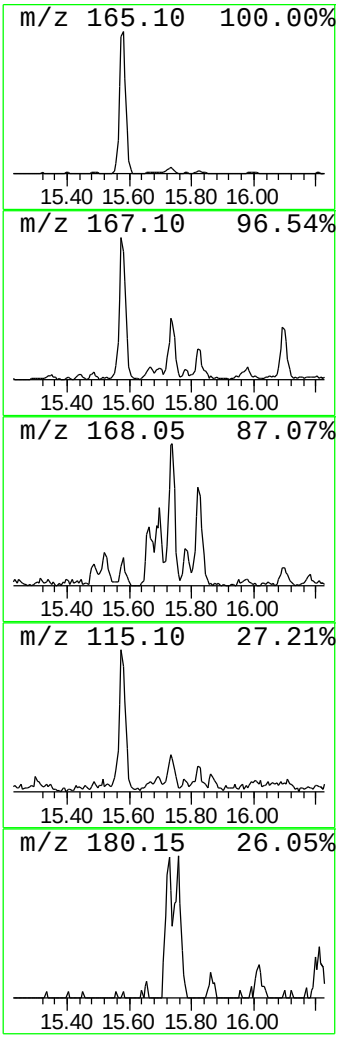
Peak Number 15 Nordiphenamid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	3.95 ng/ul	346796	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	80
2	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	70
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	70
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Quant Title : SVOA CALIBRATION

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

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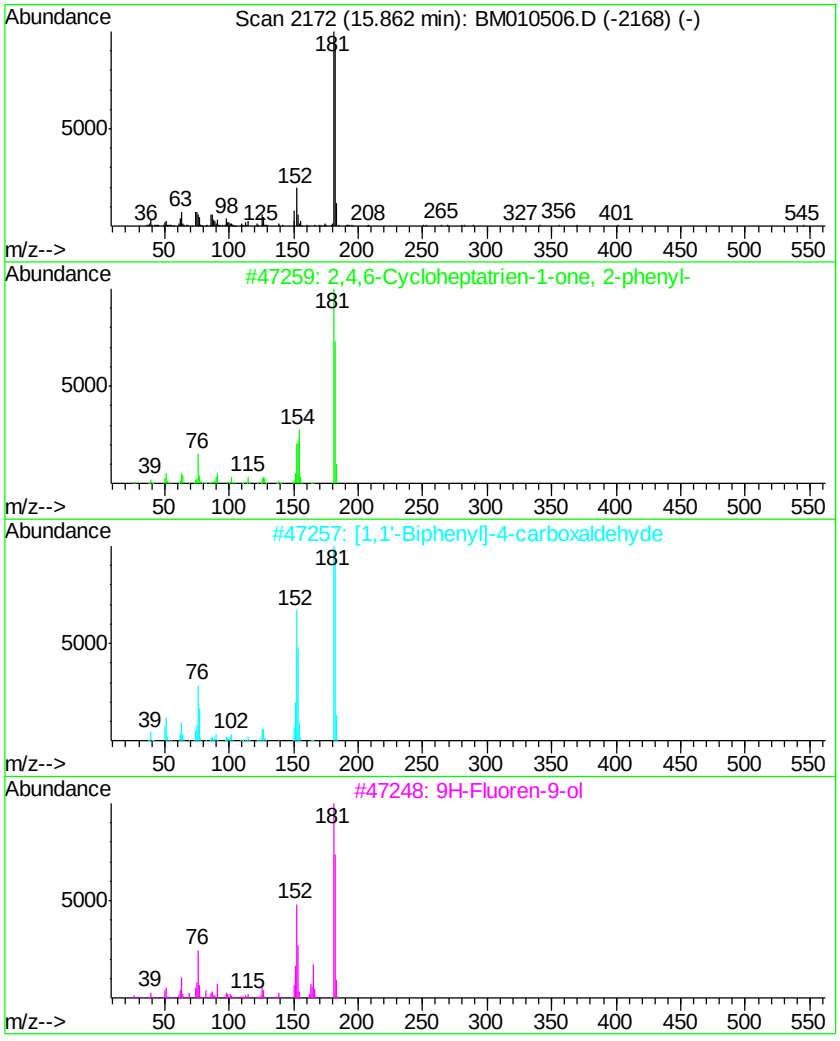
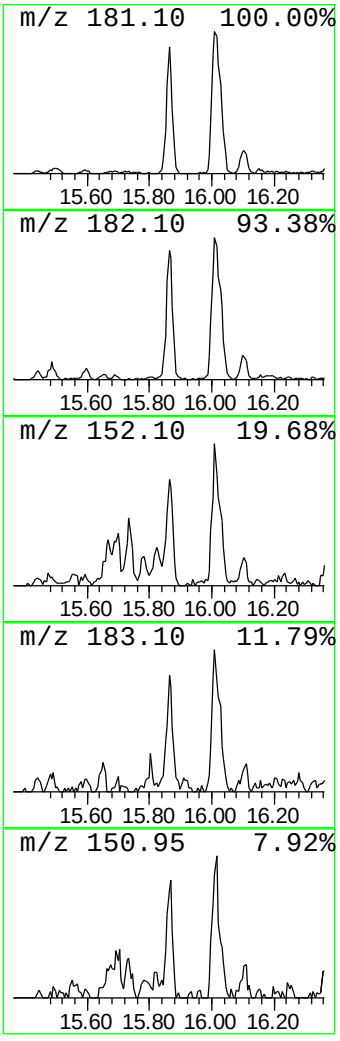
Peak Number 16 2,4,6-Cycloheptatrien-1-one... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	5.94 ng/ul	521194	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64





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Quant Title : SVOA CALIBRATION

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

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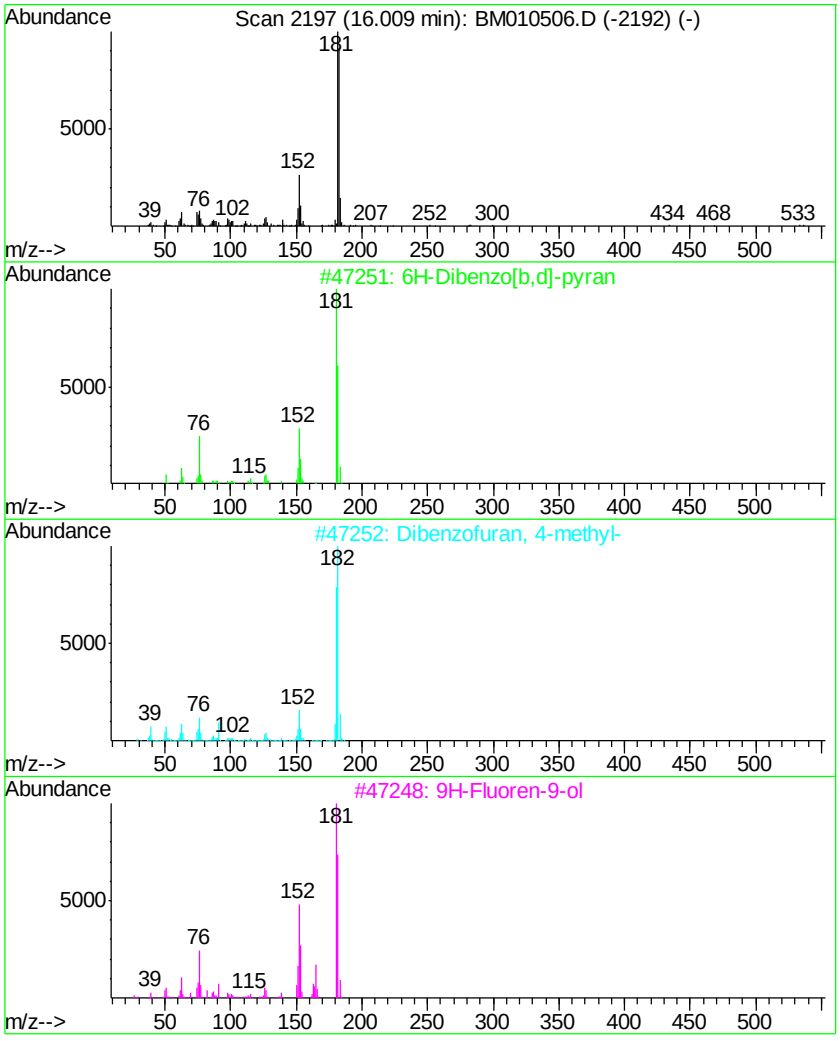
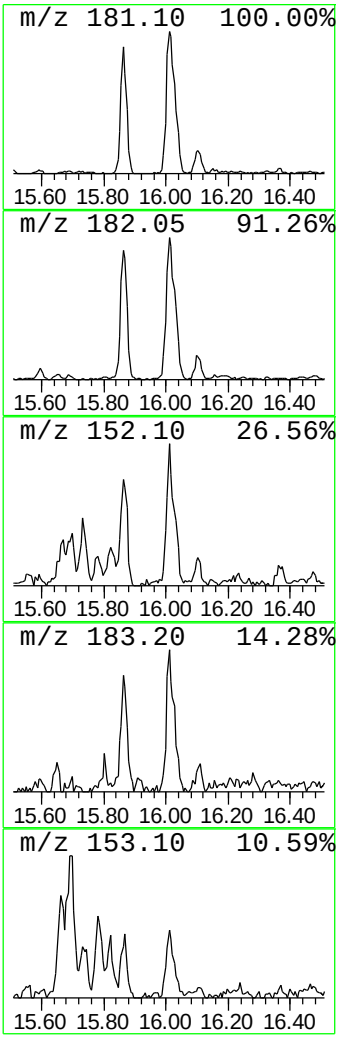
Peak Number 17 6H-Dibenzo[b,d]-pyran Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	5.53 ng/ul	707169	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86





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Sample : I3558-16
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

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Quant Title : SVOA CALIBRATION

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

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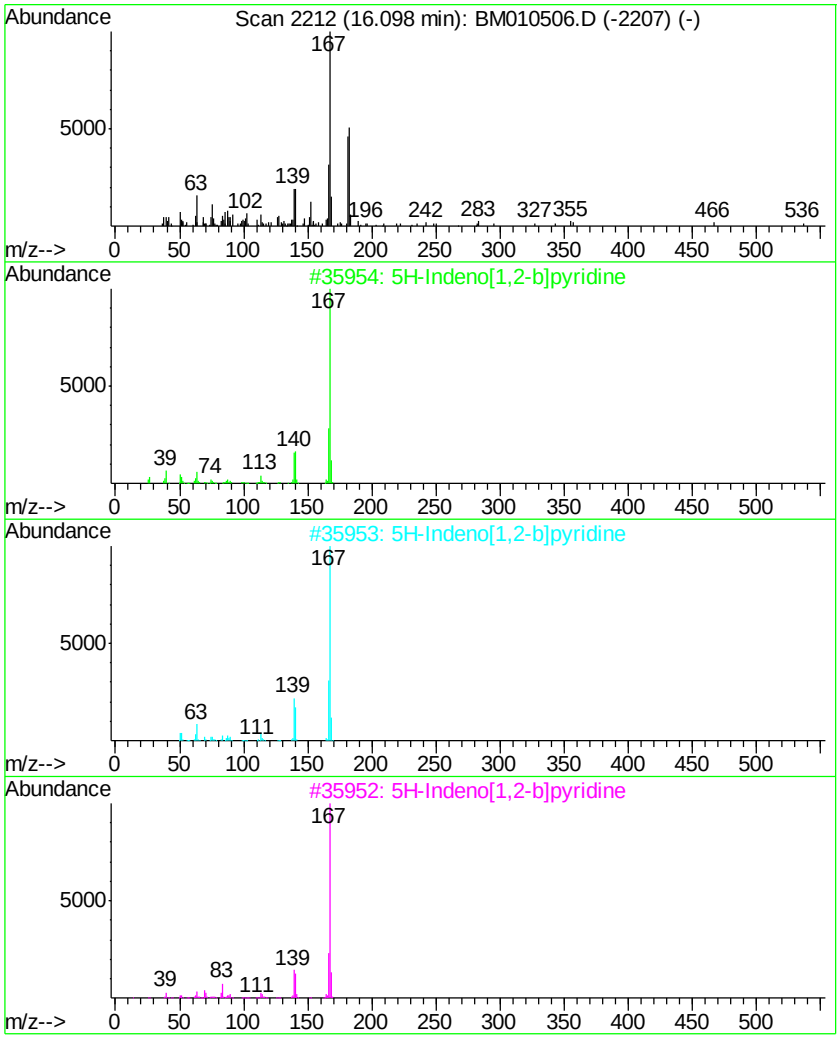
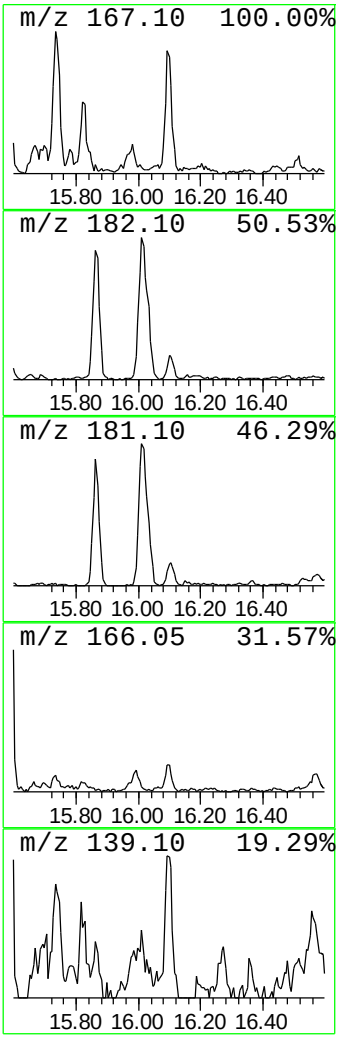
Peak Number 18 5H-Indeno[1,2-b]pyridine Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	2.45 ng/ul	313269	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	60
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	60
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	60
4	Carbazole	167	C12H9N	000086-74-8	60
5	Carbazole	167	C12H9N	000086-74-8	55





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Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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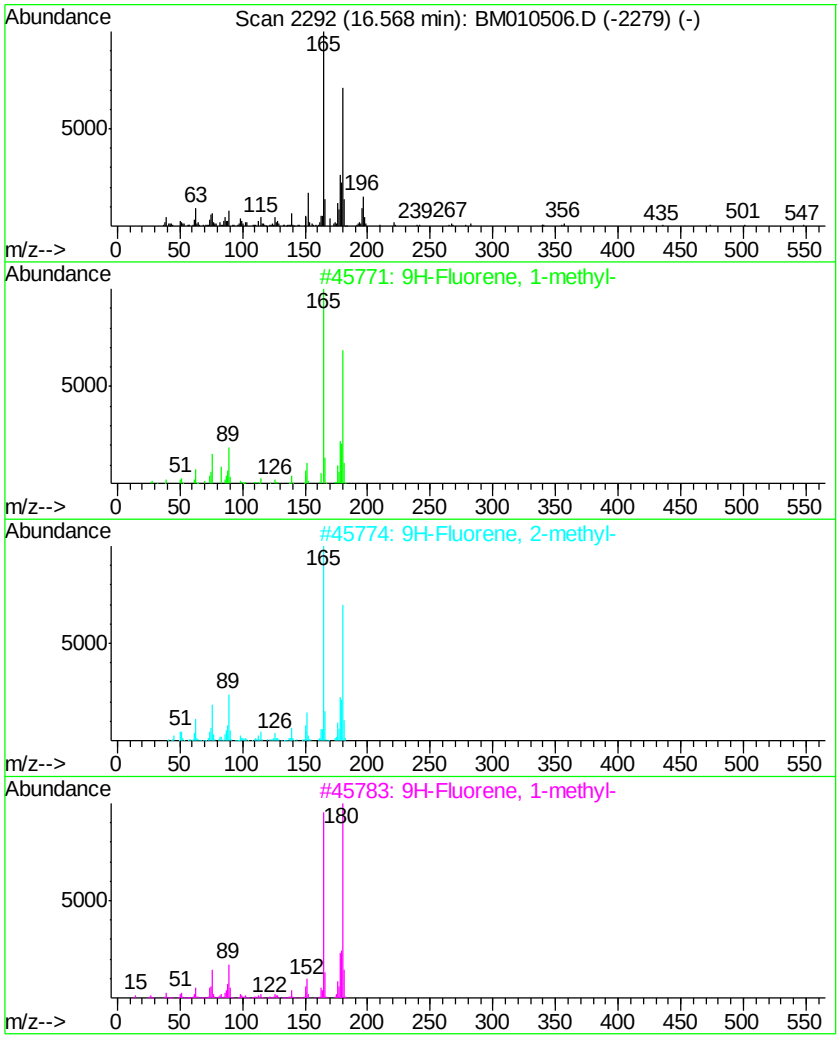
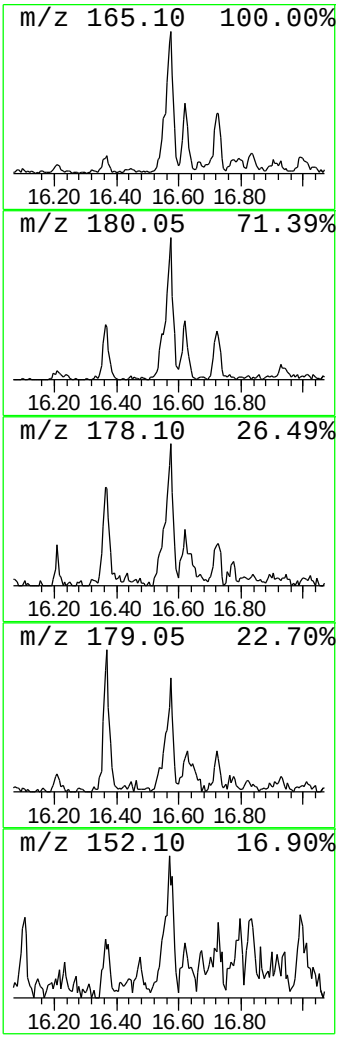
Peak Number 19 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	5.41 ng/ul	691057	Phenanthrene-d10	17.28

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, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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Sample : I3558-16
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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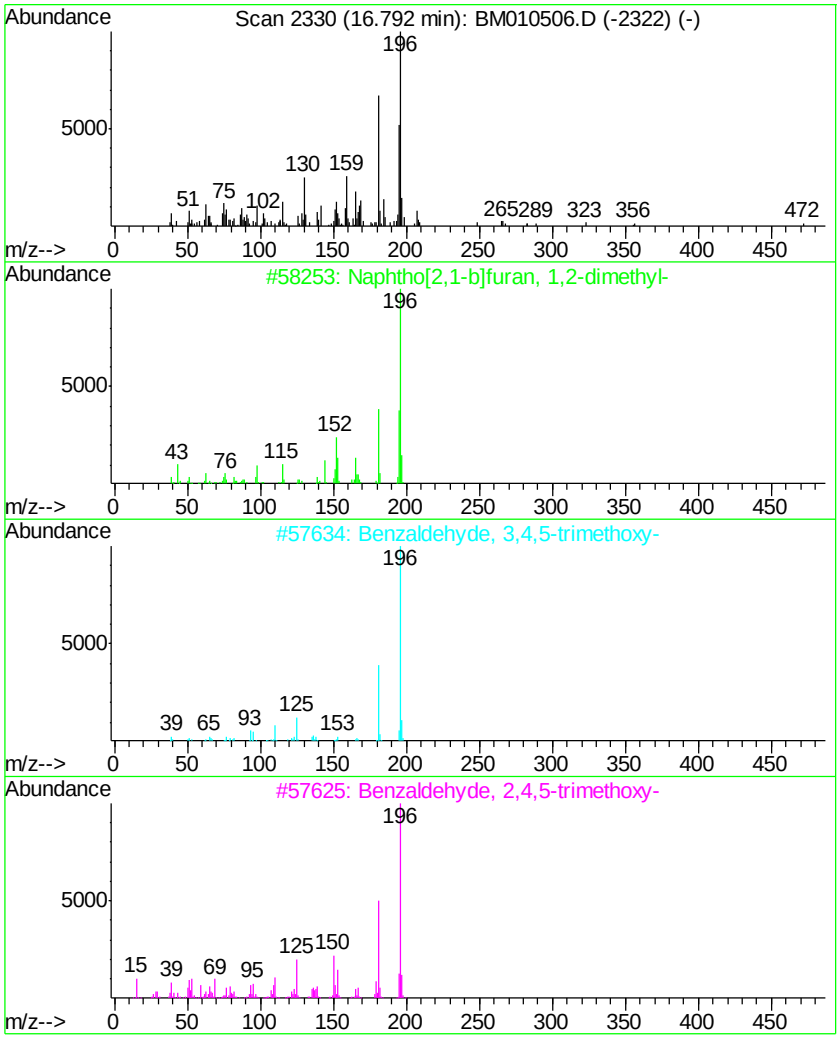
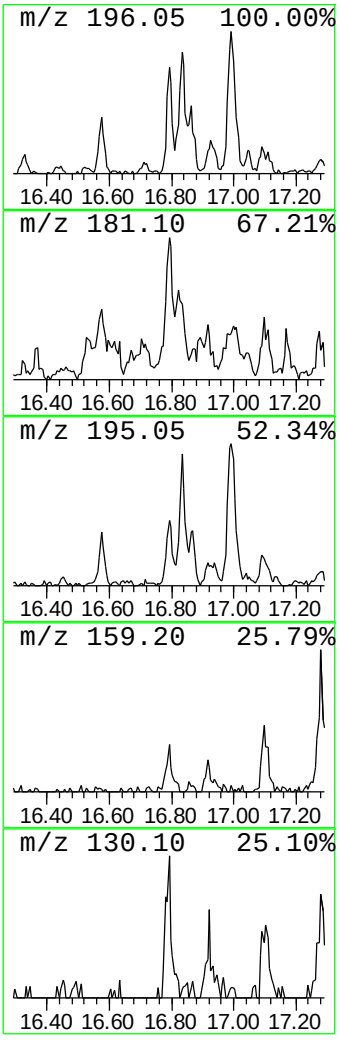
Peak Number 20 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	2.31 ng/ul	294798	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	83
2	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
3	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	49
4	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	46
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	46





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Quant Title : SVOA CALIBRATION

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

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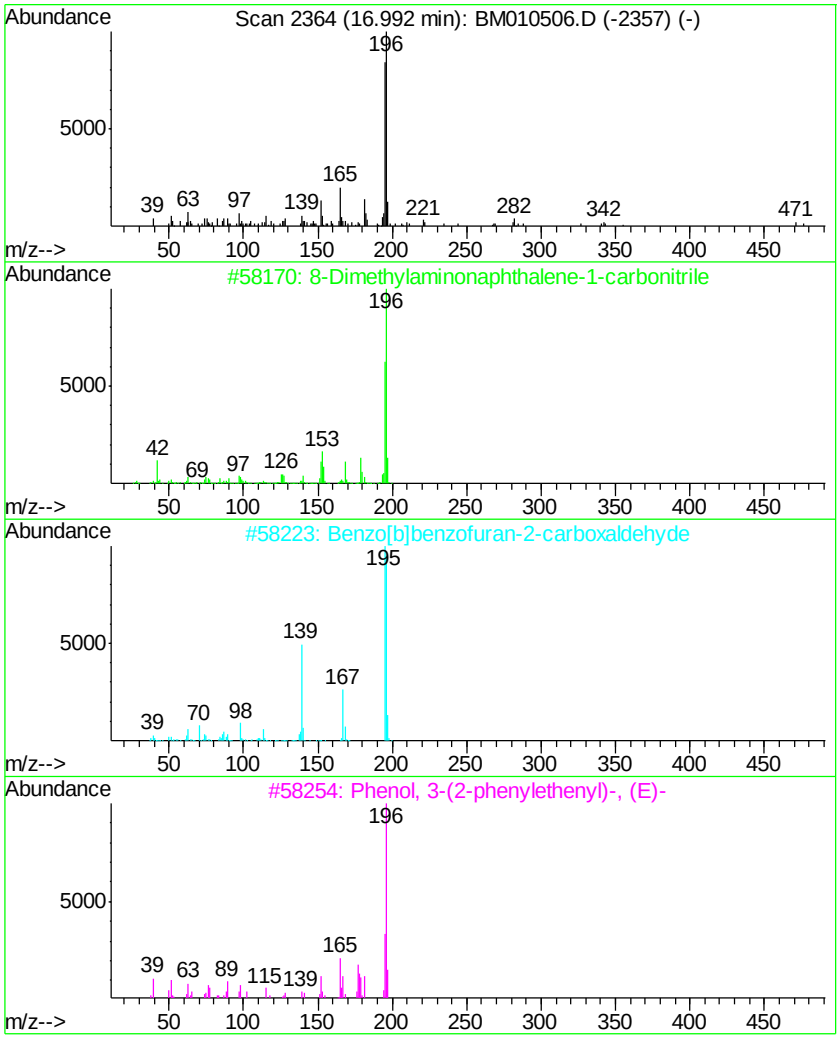
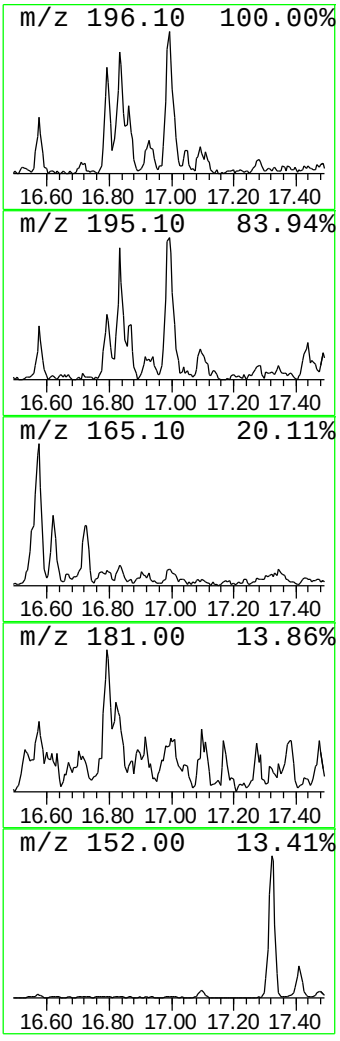
Peak Number 21 8-Dimethylaminonaphthalene-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	2.57 ng/ul	328611	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





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Quant Title : SVOA CALIBRATION

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

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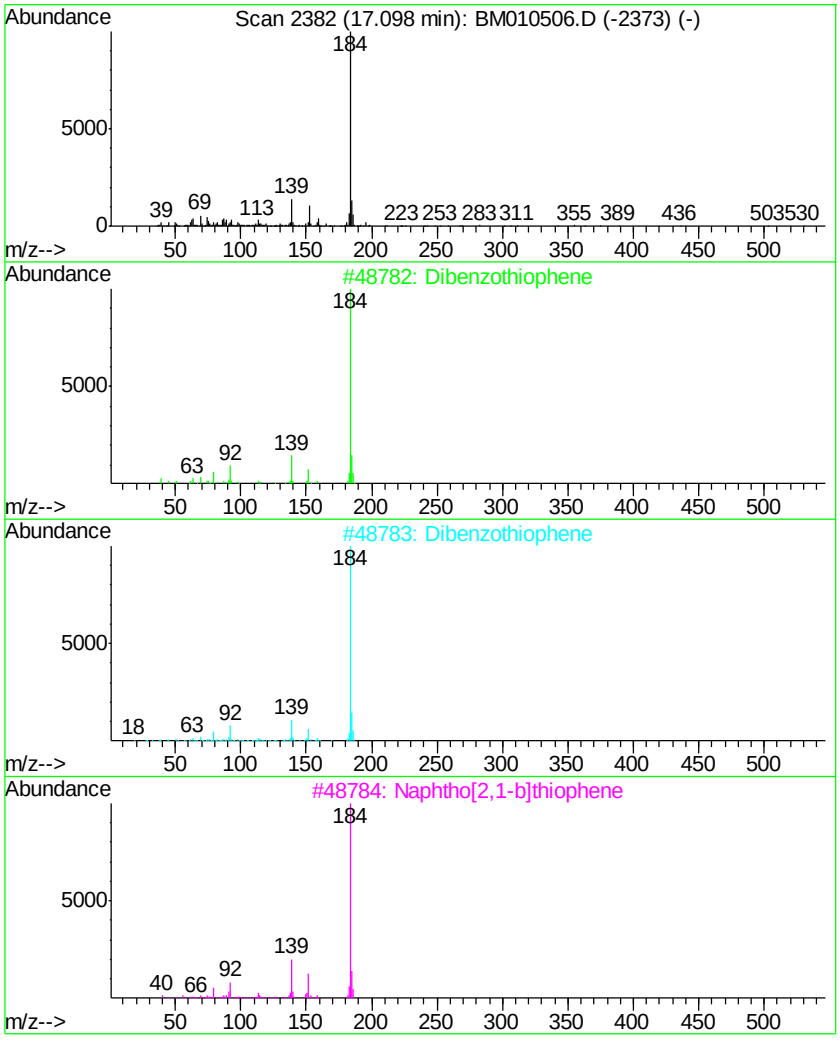
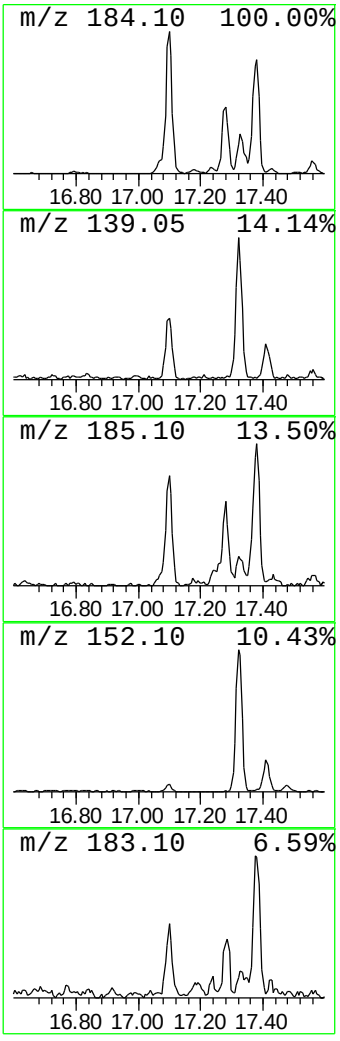
Peak Number 22 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	7.26 ng/ul	927837	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





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Quant Title : SVOA CALIBRATION

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

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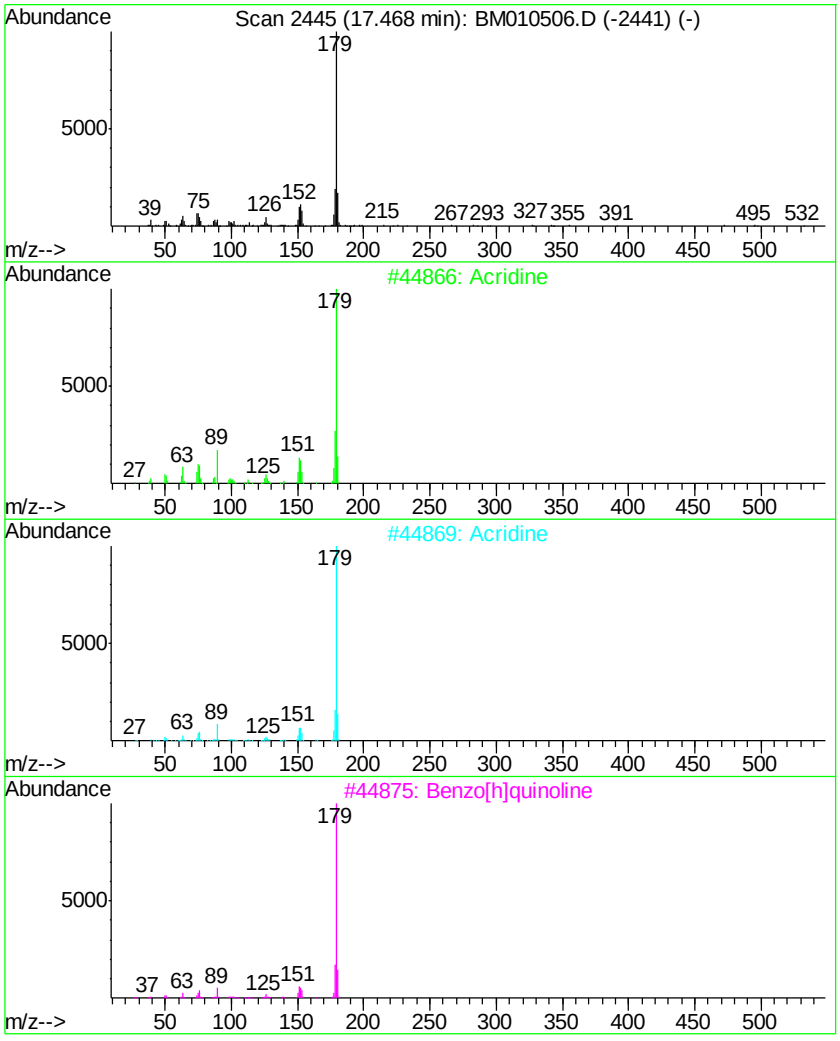
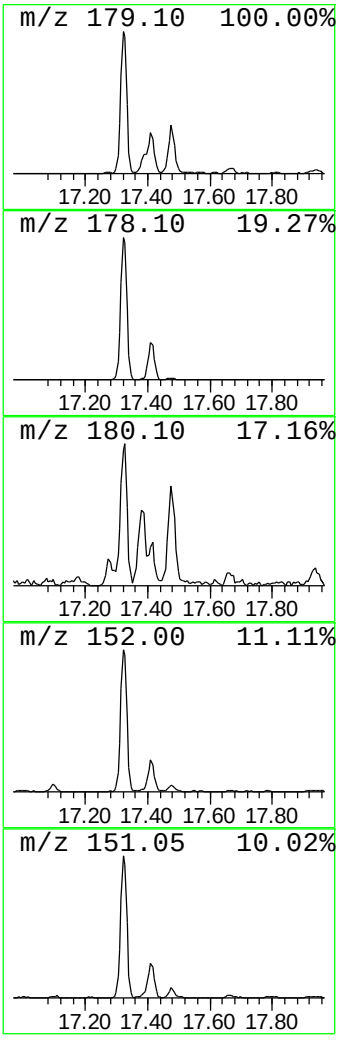
Peak Number 23 Acridine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	6.14 ng/ul	784662	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Acridine	179	C13H9N	000260-94-6	94
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
4	Acridine	179	C13H9N	000260-94-6	91
5	Phenanthridine	179	C13H9N	000229-87-8	91





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Quant Title : SVOA CALIBRATION

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

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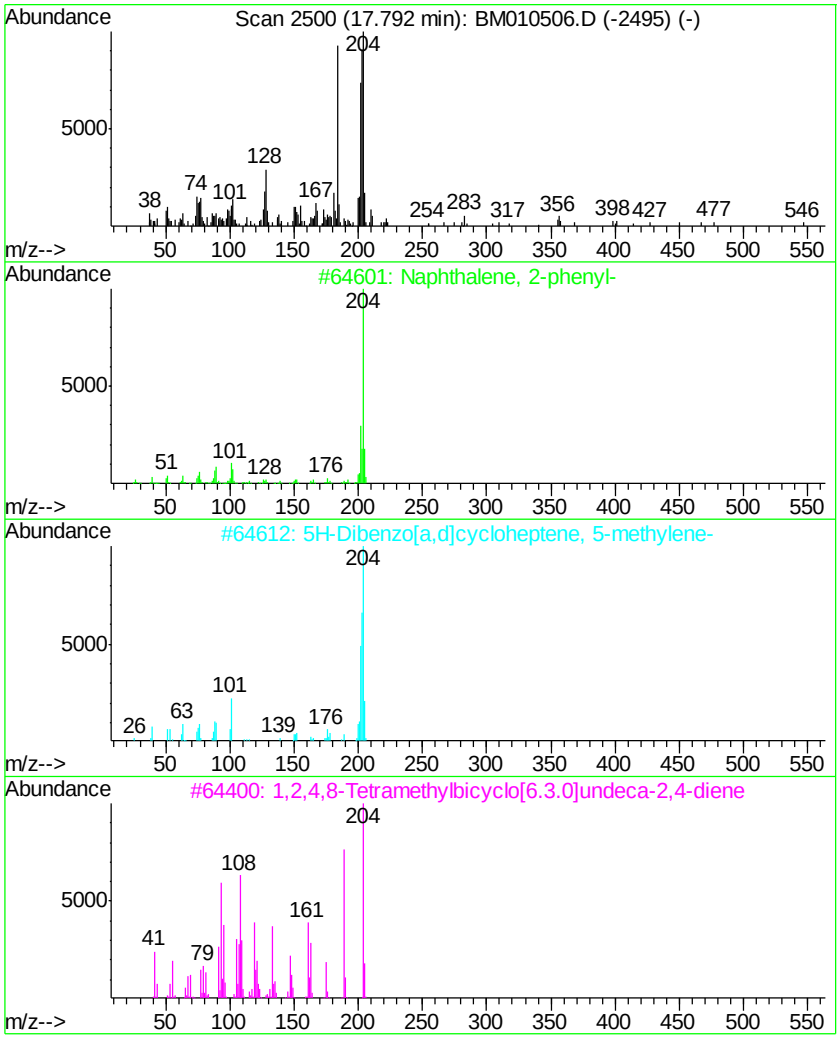
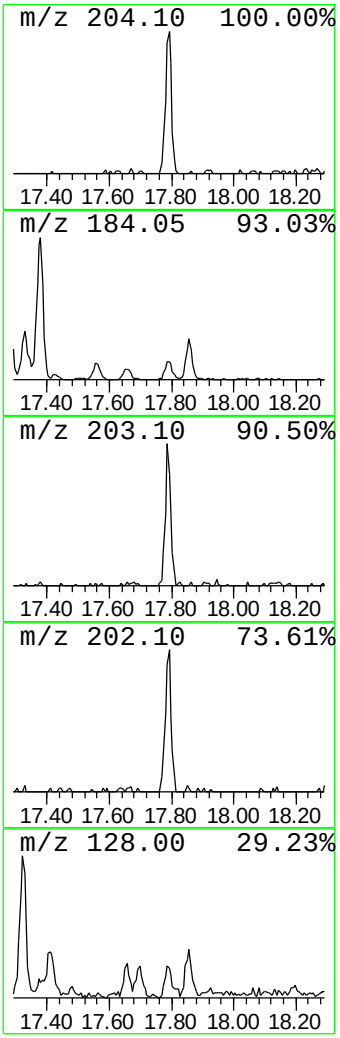
Peak Number 24 Naphthalene, 2-phenyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.87 ng/ul	366354	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	55
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	50
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	46





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Instrument : BNA_M
ClientSampleId : F5C89

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Quant Title : SVOA CALIBRATION

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

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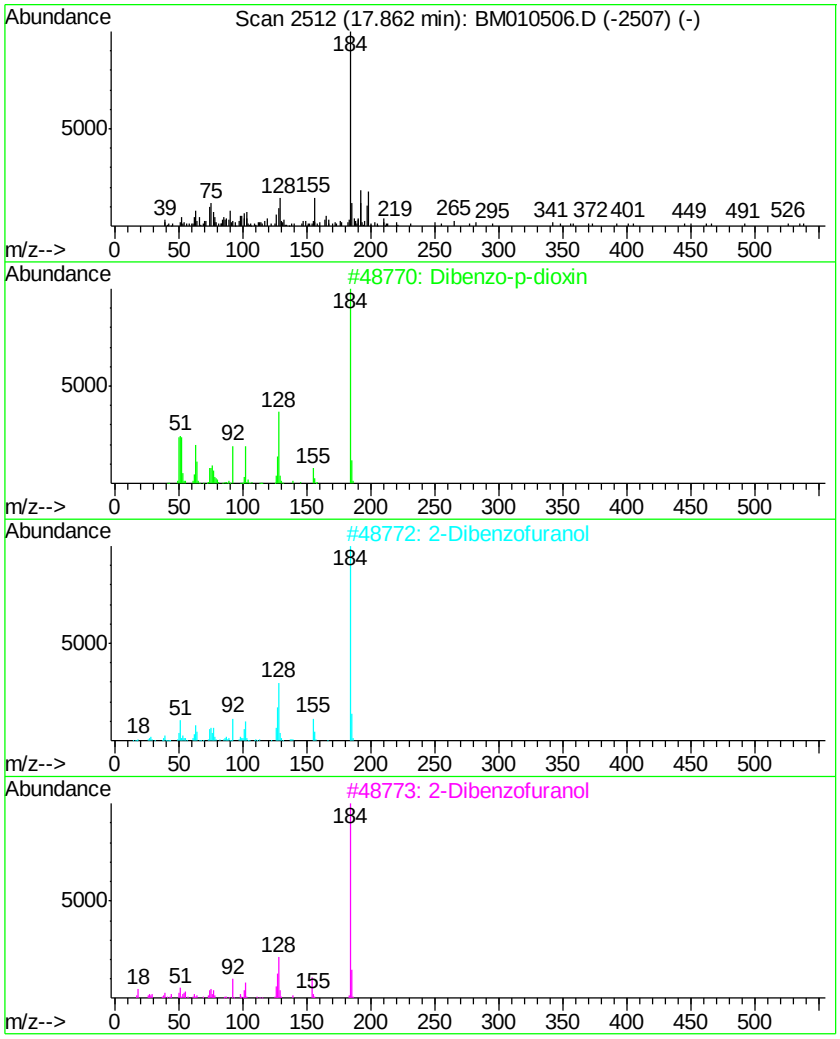
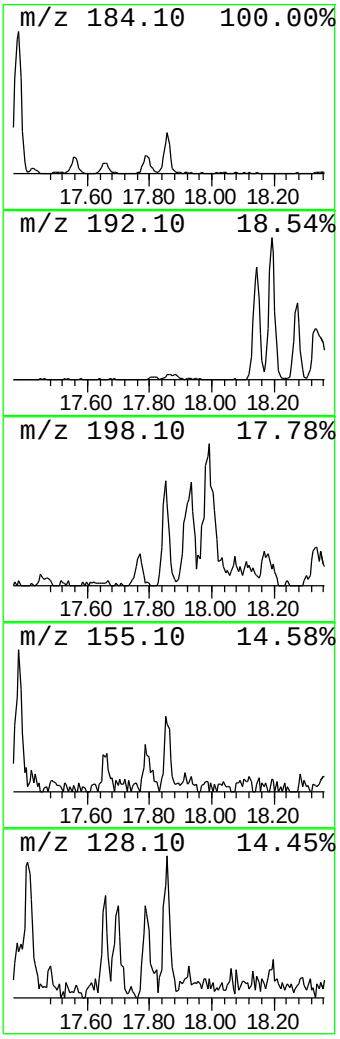
Peak Number 25 Dibenzo-p-dioxin Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	2.05 ng/ul	261396	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	62
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	58
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	52
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	52
5	Isonipecotic acid, N-ethoxycarbo...	257	C13H23NO4	1000322-00-2	47





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Quant Title : SVOA CALIBRATION

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

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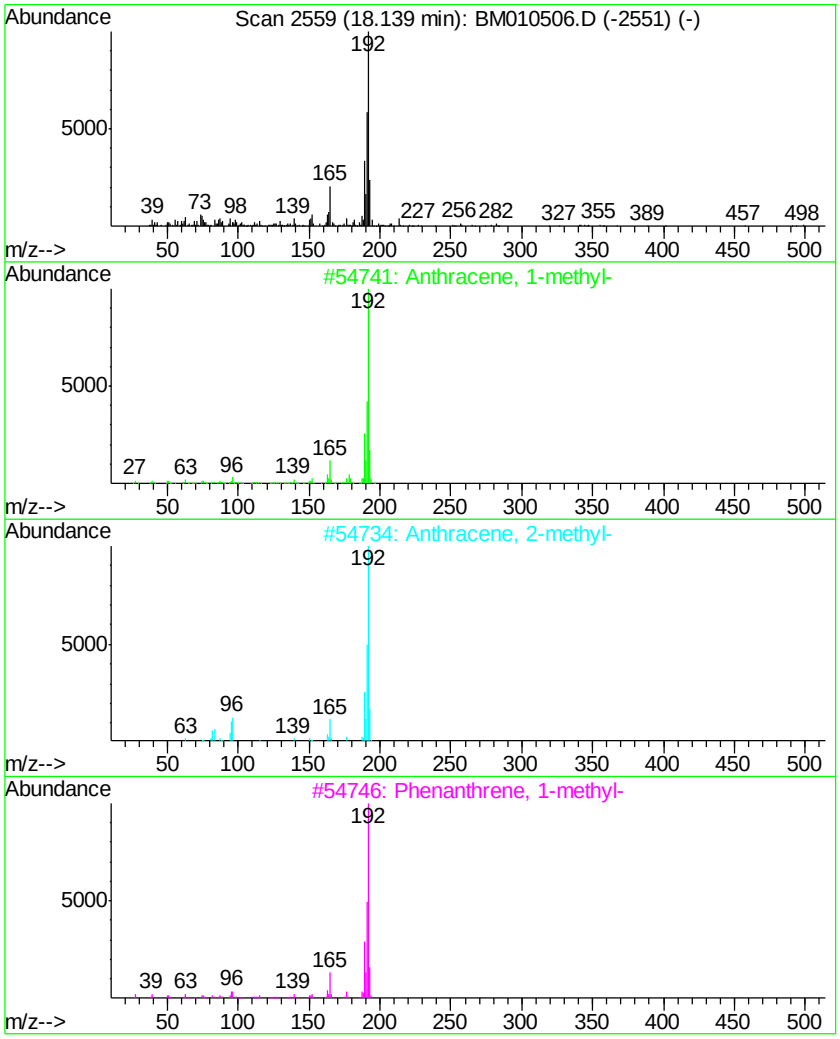
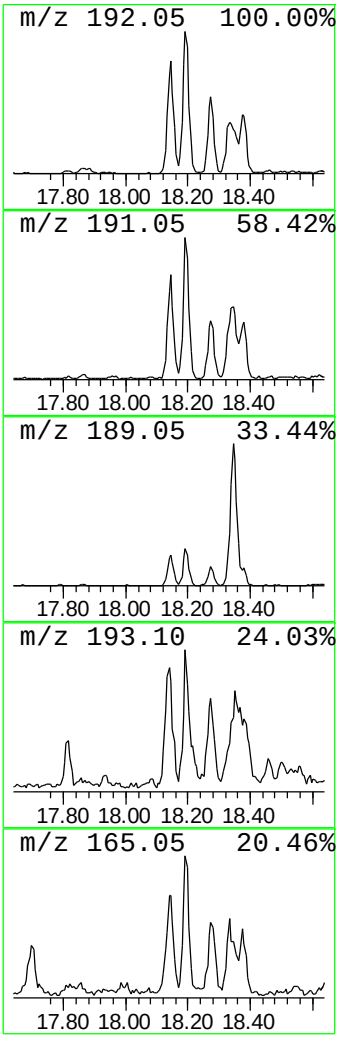
Peak Number 26 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	10.67 ng/ul	1363140	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Quant Title : SVOA CALIBRATION

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

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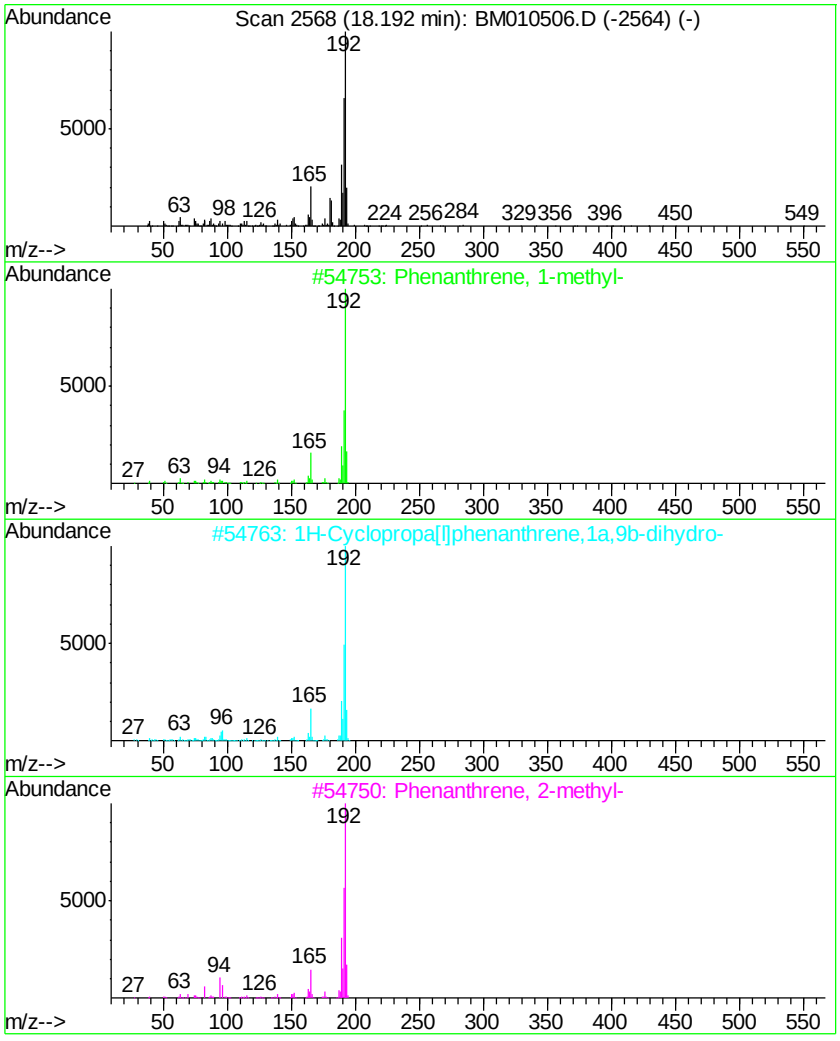
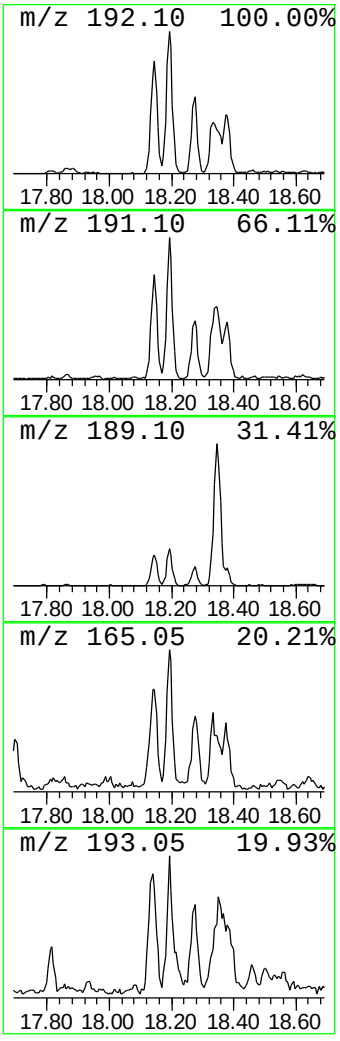
Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	9.23 ng/ul	1180190	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Quant Title : SVOA CALIBRATION

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

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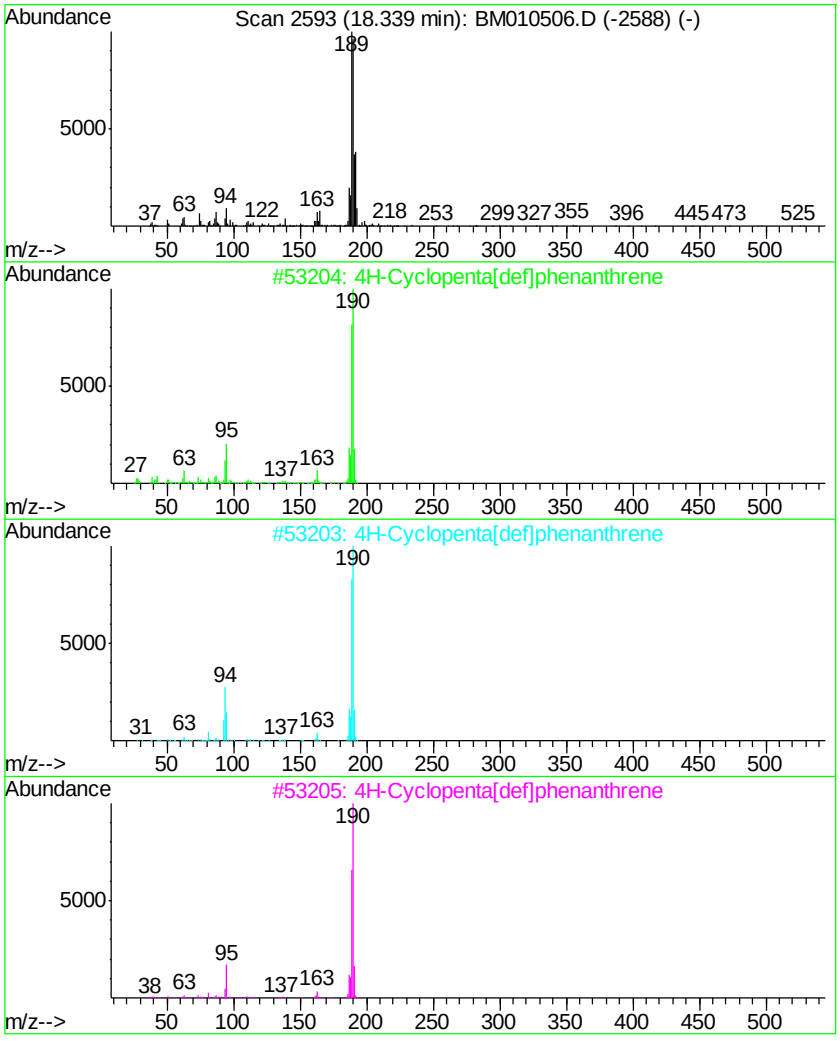
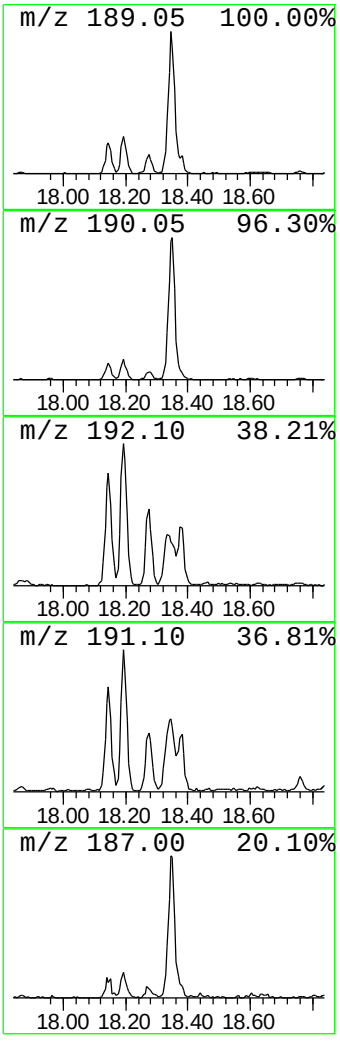
Peak Number 29 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	12.80 ng/ul	1635480	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	Megastigmatrienone	190	C13H18O	038818-55-2	25





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Quant Title : SVOA CALIBRATION

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

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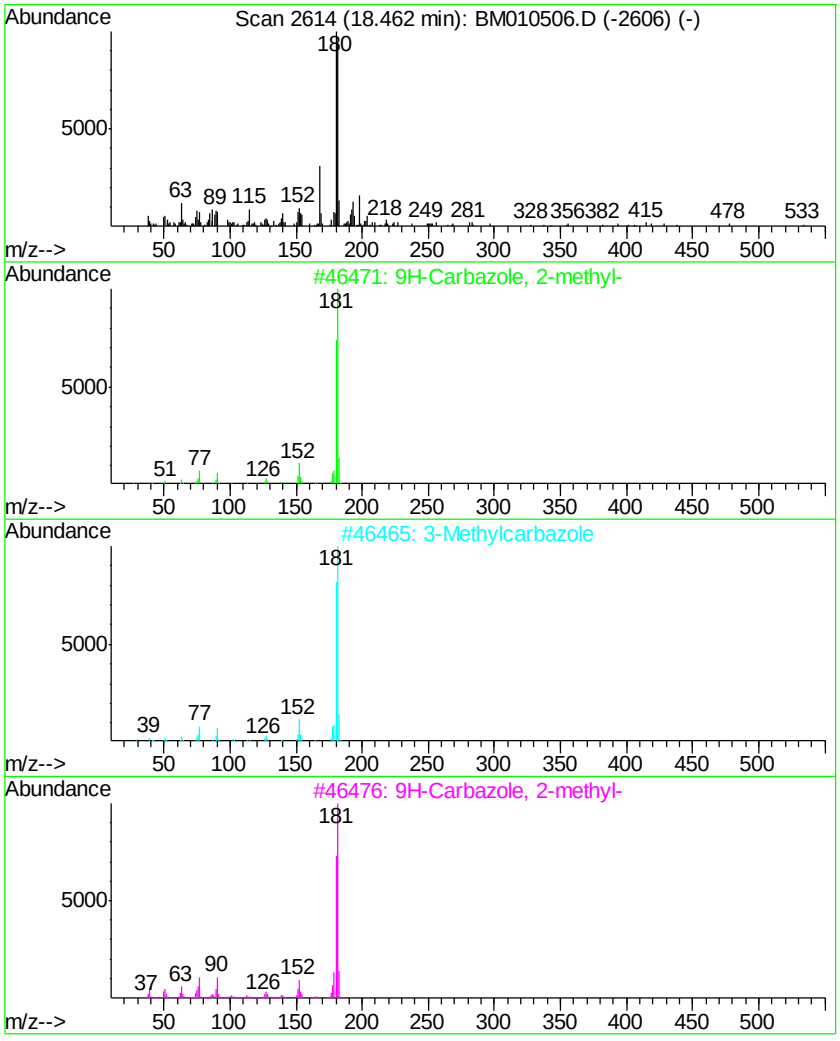
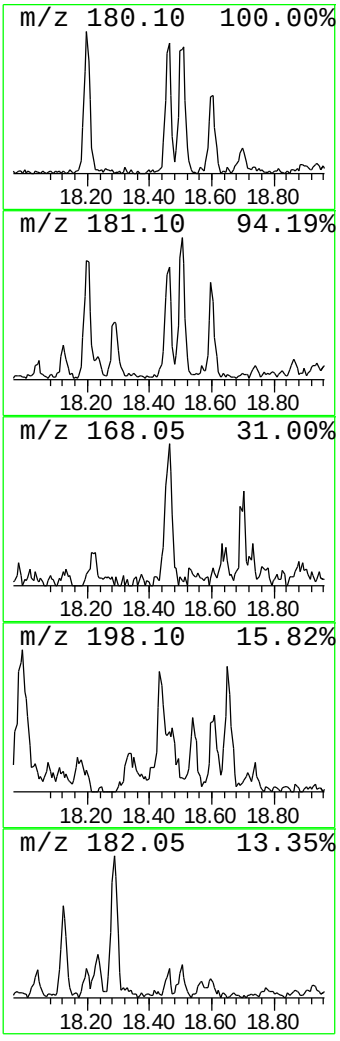
Peak Number 30 9H-Carbazole, 2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	2.68 ng/ul	342905	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	68
2	3-Methylcarbazole	181	C13H11N	004630-20-0	68
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	64
4	3-Methylcarbazole	181	C13H11N	004630-20-0	64
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	64





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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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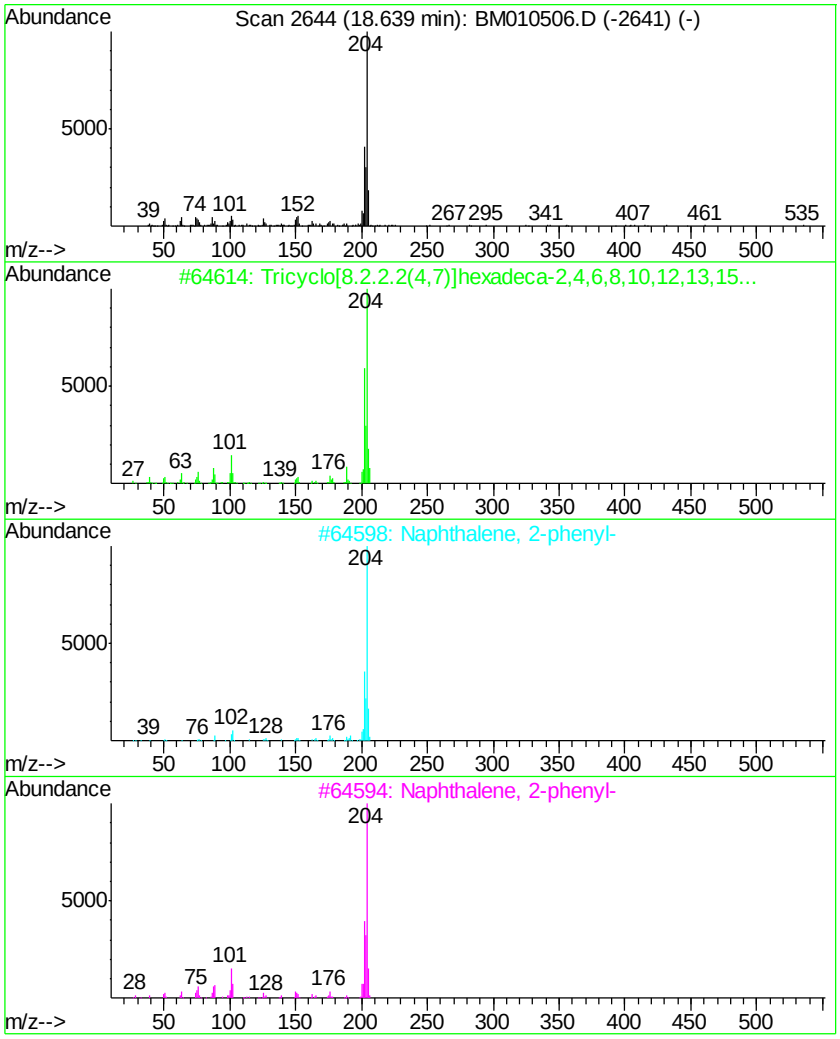
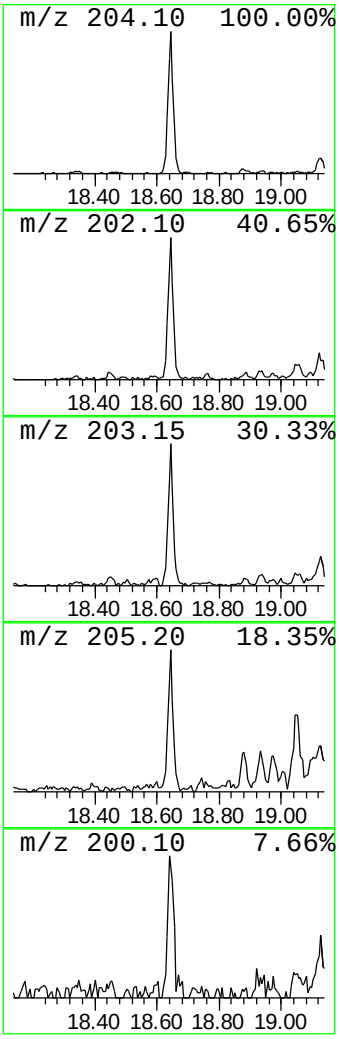
Peak Number 31 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	4.46 ng/ul	570614	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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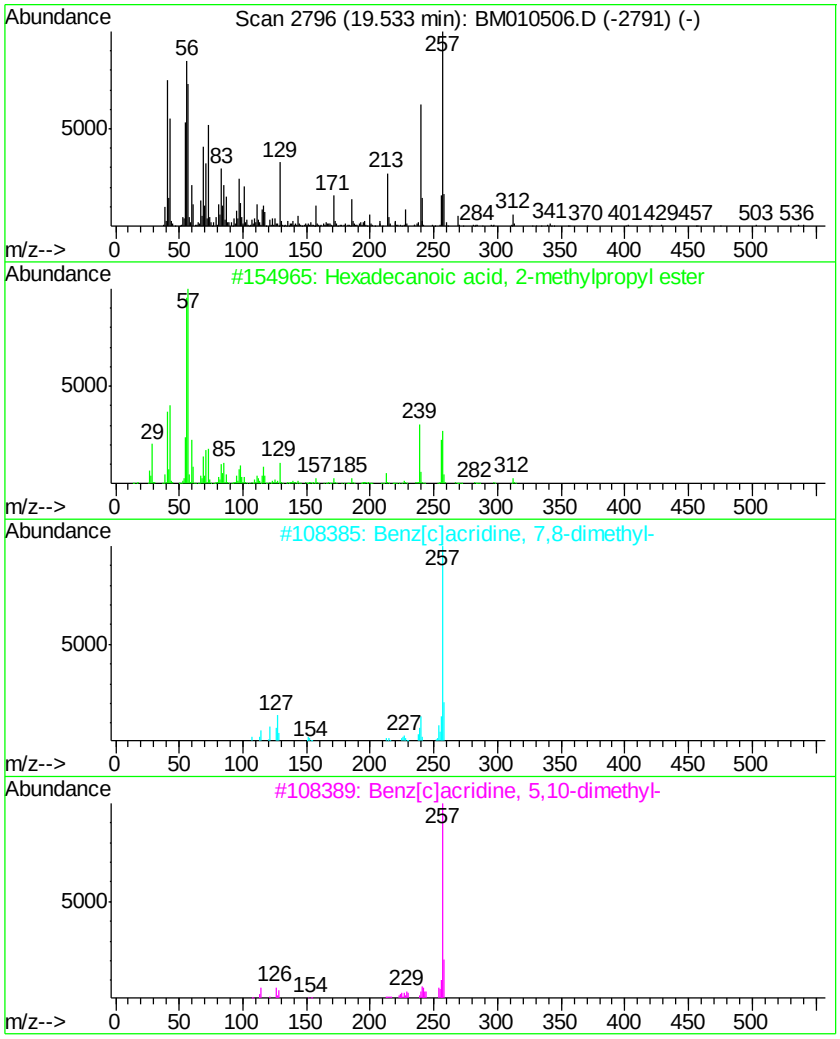
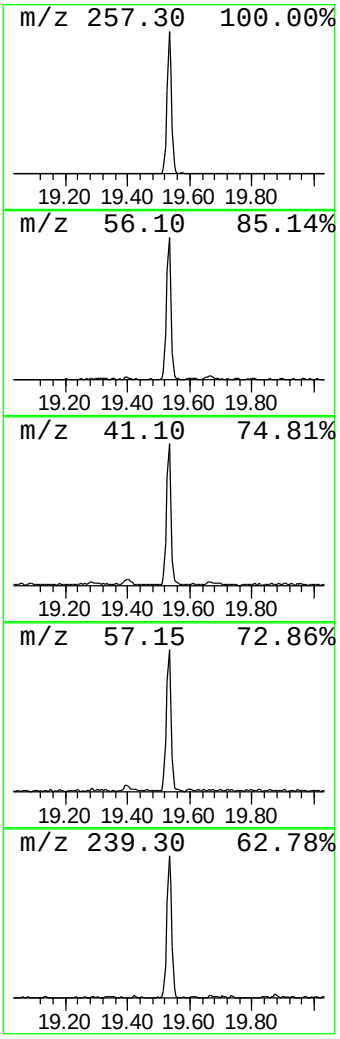
Peak Number 32 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	6.11 ng/ul	1771510	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	45
2	Benz[c]acridine, 7,8-dimethyl-	257	C19H15N	003518-01-2	43
3	Benz[c]acridine, 5,10-dimethyl-	257	C19H15N	003518-04-5	43
4	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	38
5	Butyl 4,8,12-trimethyl-tridecanoate	312	C20H40O2	1000336-63-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010506.D
Acq On : 11 Jun 2017 03:34
Operator : SJ/MA
Sample : I3558-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C89

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.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
(1R)-2,6,6-Trimet...	6.53	3.4	ng/ul	166571	1	7.89	974864	20.0
Indane	8.25	3.5	ng/ul	173080	1	7.89	974864	20.0
Benzene, 1-ethyny...	8.43	5.2	ng/ul	253514	1	7.89	974864	20.0
Quinoline, 2-methyl-	12.49	5.7	ng/ul	353161	2	10.70	1234830	20.0
Naphthalene, 1-me...	12.57	26.7	ng/ul	1649730	2	10.70	1234830	20.0
Naphthalene, 1-et...	13.55	2.4	ng/ul	209422	3	14.53	1753750	20.0
Naphthalene, 2,7-...	13.68	4.2	ng/ul	371682	3	14.53	1753750	20.0
Naphthalene, 1,3-...	13.89	3.8	ng/ul	336741	3	14.53	1753750	20.0
Naphthalene, 1,4-...	14.08	3.9	ng/ul	344197	3	14.53	1753750	20.0
2-Naphthalenecarb...	14.68	3.0	ng/ul	260553	3	14.53	1753750	20.0
1-Phenyl-1-hexyn-...	15.04	3.5	ng/ul	302939	3	14.53	1753750	20.0
Naphthalene, 1,4,...	15.13	2.1	ng/ul	187006	3	14.53	1753750	20.0
Naphthalene, 1,6,...	15.31	3.3	ng/ul	288337	3	14.53	1753750	20.0
Nordiphenamid	15.73	4.0	ng/ul	346796	3	14.53	1753750	20.0
2,4,6-Cycloheptat...	15.86	5.9	ng/ul	521194	3	14.53	1753750	20.0
6H-Dibenzo[b,d]-p...	16.01	5.5	ng/ul	707169	4	17.28	2556280	20.0
5H-Indeno[1,2-b]p...	16.10	2.5	ng/ul	313269	4	17.28	2556280	20.0
9H-Fluorene, 1-me...	16.57	5.4	ng/ul	691057	4	17.28	2556280	20.0
Naphtho[2,1-b]fur...	16.79	2.3	ng/ul	294798	4	17.28	2556280	20.0
8-Dimethylaminona...	16.99	2.6	ng/ul	328611	4	17.28	2556280	20.0
Dibenzothiophene	17.10	7.3	ng/ul	927837	4	17.28	2556280	20.0
Acridine	17.47	6.1	ng/ul	784662	4	17.28	2556280	20.0
Naphthalene, 2-ph...	17.79	2.9	ng/ul	366354	4	17.28	2556280	20.0
Dibenzo-p-dioxin	17.86	2.0	ng/ul	261396	4	17.28	2556280	20.0
Anthracene, 1-met...	18.14	10.7	ng/ul	1363140	4	17.28	2556280	20.0
Phenanthrene, 1-m...	18.19	9.2	ng/ul	1180190	4	17.28	2556280	20.0
4H-Cyclopenta[def...	18.34	12.8	ng/ul	1635480	4	17.28	2556280	20.0
9H-Carbazole, 2-m...	18.46	2.7	ng/ul	342905	4	17.28	2556280	20.0
Tricyclo[8.2.2.2(...	18.64	4.5	ng/ul	570614	4	17.28	2556280	20.0
unknown-01	19.53	6.1	ng/ul	1771510	5	21.44	5796960	20.0