LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012111.D
Acq On : 12 Oct 2017 22:39
Operator : SJ/JU
Sample : I5772-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD9S0

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-BM101217.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	6.993	657	664	683	rBV	266147	507845	2.28%	0.216%
2	7.157	686	692	698	rBV	877854	1401778	6.30%	0.597%
3	7.363	719	727	740	rBV	1015243	1768982	7.95%	0.753%
4	7.834	798	807	816	rBV	824259	1419546	6.38%	0.604%
5	8.198	862	869	879	rBV	543136	888073	3.99%	0.378%
6	8.369	892	898	907	rVB	305744	538598	2.42%	0.229%
7	8.540	920	927	938	rBV	842388	1477534	6.64%	0.629%
8	8.998	998	1005	1021	rVB2	1437102	2848871	12.80%	1.213%
9	9.187	1028	1037	1045	rVB	402856	673916	3.03%	0.287%
10	9.310	1045	1058	1064	rBV	336479	769249	3.46%	0.327%
11	9.375	1064	1069	1078	rVB	198670	348822	1.57%	0.148%
12	9.722	1118	1128	1139	rBV	1068265	1920737	8.63%	0.818%
13	9.875	1149	1154	1168	rVB	146635	279618	1.26%	0.119%
14	10.028	1174	1180	1190	rBV3	339734	733162	3.29%	0.312%
15	10.257	1212	1219	1229	rBV	1571205	2739993	12.31%	1.166%
16	10.634	1276	1283	1288	rVV	1264017	2285301	10.26%	0.973%
17	10.686	1288	1292	1297	rVV	720338	1182262	5.31%	0.503%
18	10.739	1297	1301	1305	rVV	145874	255765	1.15%	0.109%
19	10.804	1305	1312	1320	rVV	4233847	7554263	33.93%	3.216%
20	10.875	1320	1324	1328	rVV	178396	323118	1.45%	0.138%
21	11.051	1348	1354	1360	rVB2	161600	278518	1.25%	0.119%
22	11.545	1430	1438	1446	rBV	136302	251280	1.13%	0.107%
23	11.751	1465	1473	1482	rBV	1659636	2915855	13.10%	1.241%
24	12.192	1542	1548	1557	rVV	595884	1037016	4.66%	0.441%
25	12.516	1589	1603	1612	rVB2	2136005	4006017	17.99%	1.705%
26	13.310	1727	1738	1750	rBV	7474547	11418074	51.28%	4.860%
27	13.457	1757	1763	1770	rBV4	117177	309524	1.39%	0.132%
28	13.533	1771	1776	1782	rVB2	400140	645170	2.90%	0.275%
29	13.651	1792	1796	1804	rVV2	229602	520679	2.34%	0.222%
30	13.798	1814	1821	1827	rVV	1641874	3033197	13.62%	1.291%
31	13.886	1827	1836	1847	rVB	3394459	5187460	23.30%	2.208%
32	14.033	1855	1861	1865	rBV	909637	1426593	6.41%	0.607%
33	14.069	1865	1867	1873	rVB	437391	523390	2.35%	0.223%
34	14.174	1878	1885	1898	rVB	3669716	6888069	30.94%	2.932%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5772-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD9S0

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-BM101217.M
Title : SVOA CALIBRATION

35	14.480	1926	1937	1943	rBV3	1923881	3574487	16.05%	1.522%
36	14.551	1943	1949	1956	rVV	14803705	21785191	97.85%	9.274%
37	14.616	1956	1960	1966	rVV	183831	294212	1.32%	0.125%
38	14.692	1966	1973	1980	rVB4	250309	576709	2.59%	0.245%
39	14.786	1980	1989	1994	rBV	505626	891159	4.00%	0.379%
40	14.886	1999	2006	2013	rVV	15340824	22264542	100.00%	9.478%
41	14.957	2013	2018	2027	rVB3	199109	374846	1.68%	0.160%
42	15.092	2035	2041	2047	rBV2	285219	563509	2.53%	0.240%
43	15.192	2047	2058	2064	rBV3	301173	743966	3.34%	0.317%
44	15.269	2064	2071	2074	rVV3	133630	258168	1.16%	0.110%
45	15.327	2078	2081	2089	rVB2	156638	320690	1.44%	0.137%
46	15.398	2089	2093	2096	rBV2	161669	227278	1.02%	0.097%
47	15.474	2096	2106	2111	rVV	4677637	6770534	30.41%	2.882%
48	15.527	2111	2115	2123	rVB	3137364	4633660	20.81%	1.972%
49	15.604	2123	2128	2133	rBV	1817198	2736695	12.29%	1.165%
50	15.651	2133	2136	2139	rVV	323273	424354	1.91%	0.181%
51	15.686	2139	2142	2147	rVB3	322779	455415	2.05%	0.194%
52	15.780	2154	2158	2161	rVB	289725	347016	1.56%	0.148%
53	15.821	2161	2165	2175	rVB	1351298	1925134	8.65%	0.819%
54	15.927	2175	2183	2185	rBV	231560	353761	1.59%	0.151%
55	15.968	2185	2190	2199	rVB	1468533	2831358	12.72%	1.205%
56	16.057	2201	2205	2213	rVB	257983	381641	1.71%	0.162%
57	16.210	2225	2231	2239	rVB	3905811	5525690	24.82%	2.352%
58	16.404	2258	2264	2267	rBV4	158937	287932	1.29%	0.123%
59	16.439	2267	2270	2274	rVB	189381	242937	1.09%	0.103%
60	16.486	2274	2278	2284	rBV3	235102	565546	2.54%	0.241%
61	16.680	2305	2311	2317	rVB3	189216	323020	1.45%	0.138%
62	16.763	2317	2325	2329	rBV	586776	1091732	4.90%	0.465%
63	16.886	2340	2346	2354	rVB4	188070	406767	1.83%	0.173%
64	17.045	2364	2373	2378	rBV	1345884	2004417	9.00%	0.853%
65	17.121	2378	2386	2393	rVV	1771276	3549299	15.94%	1.511%
66	17.180	2393	2396	2399	rVV3	394488	616871	2.77%	0.263%
67	17.227	2399	2404	2407	rVV2	2461869	3762548	16.90%	1.602%
68	17.268	2407	2411	2416	rVV	6125858	8864623	39.81%	3.774%
69	17.327	2416	2421	2425	rVV2	5219471	7915360	35.55%	3.369%
70	17.357	2425	2426	2434	rVV	1144373	1385454	6.22%	0.590%
71	17.427	2434	2438	2447	rVB	383112	667166	3.00%	0.284%

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Misc :
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Instrument : BNA_M
ClientSampleId : BD9S0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

72	17.639	2467	2474	2485	rVV	9840790	14915547	66.99%	6.349%
73	17.762	2490	2495	2498	rBV3	223251	317167	1.42%	0.135%
74	17.862	2505	2512	2518	rBV5	238218	455158	2.04%	0.194%
75	17.927	2518	2523	2528	rVB3	245239	409118	1.84%	0.174%
76	18.027	2535	2540	2543	rBV2	196649	323711	1.45%	0.138%
77	18.062	2543	2546	2549	rVV2	187050	302197	1.36%	0.129%
78	18.098	2549	2552	2555	rVV	395509	549041	2.47%	0.234%
79	18.145	2555	2560	2568	rVB2	1147339	1732330	7.78%	0.737%
80	18.298	2579	2586	2590	rBV2	471267	818340	3.68%	0.348%
81	18.404	2596	2604	2607	rBV2	306196	605028	2.72%	0.258%
82	18.445	2607	2611	2615	rVB	586706	802428	3.60%	0.342%
83	18.539	2622	2627	2633	rVB2	625859	964344	4.33%	0.411%
84	18.598	2633	2637	2641	rVV2	175083	257801	1.16%	0.110%
85	18.645	2641	2645	2649	rVB2	247119	365316	1.64%	0.156%
86	18.927	2688	2693	2697	rVB3	179595	272254	1.22%	0.116%
87	19.162	2729	2733	2739	rVB	317358	451833	2.03%	0.192%
88	19.280	2748	2753	2760	rVB	1215409	1739050	7.81%	0.740%
89	19.380	2766	2770	2783	rVB	520013	773006	3.47%	0.329%
90	19.615	2805	2810	2825	rBV2	5648143	8774682	39.41%	3.735%
91	20.039	2875	2882	2887	rBV2	1566853	3145372	14.13%	1.339%
92	20.103	2887	2893	2903	rVB	1936893	3223385	14.48%	1.372%
93	20.703	2990	2995	2997	rBV	504156	707390	3.18%	0.301%
94	20.745	2997	3002	3010	rVB2	620459	1239781	5.57%	0.528%
95	21.403	3109	3114	3119	rBV	2869266	3684851	16.55%	1.569%
96	21.892	3194	3197	3205	rVB	368440	533459	2.40%	0.227%
97	23.568	3475	3482	3491	rVB2	3215307	6290376	28.25%	2.678%
98	23.715	3501	3507	3519	rVB	1518208	2960772	13.30%	1.260%

Sum of corrected areas: 234915699

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Instrument : BNA_M
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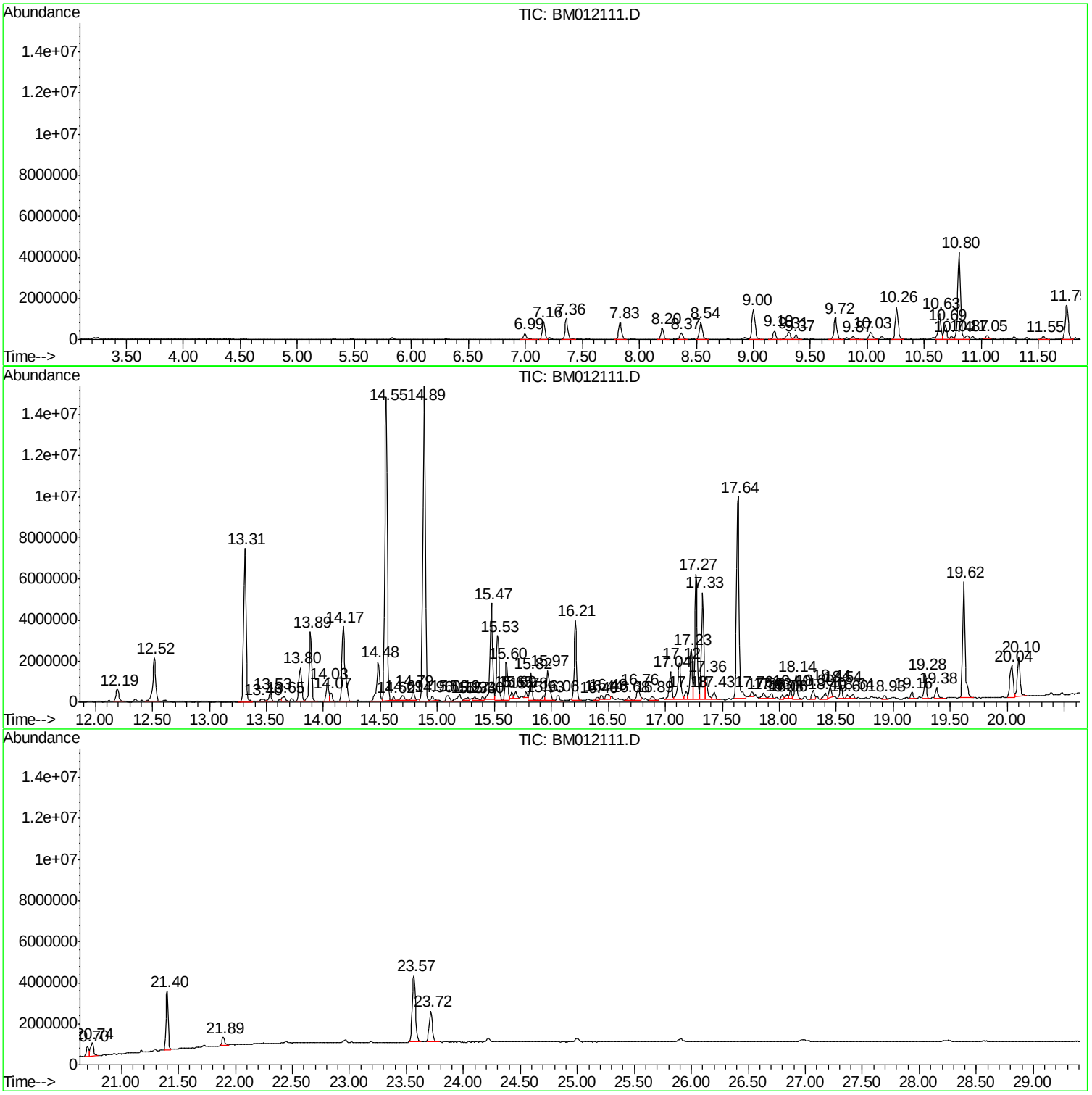
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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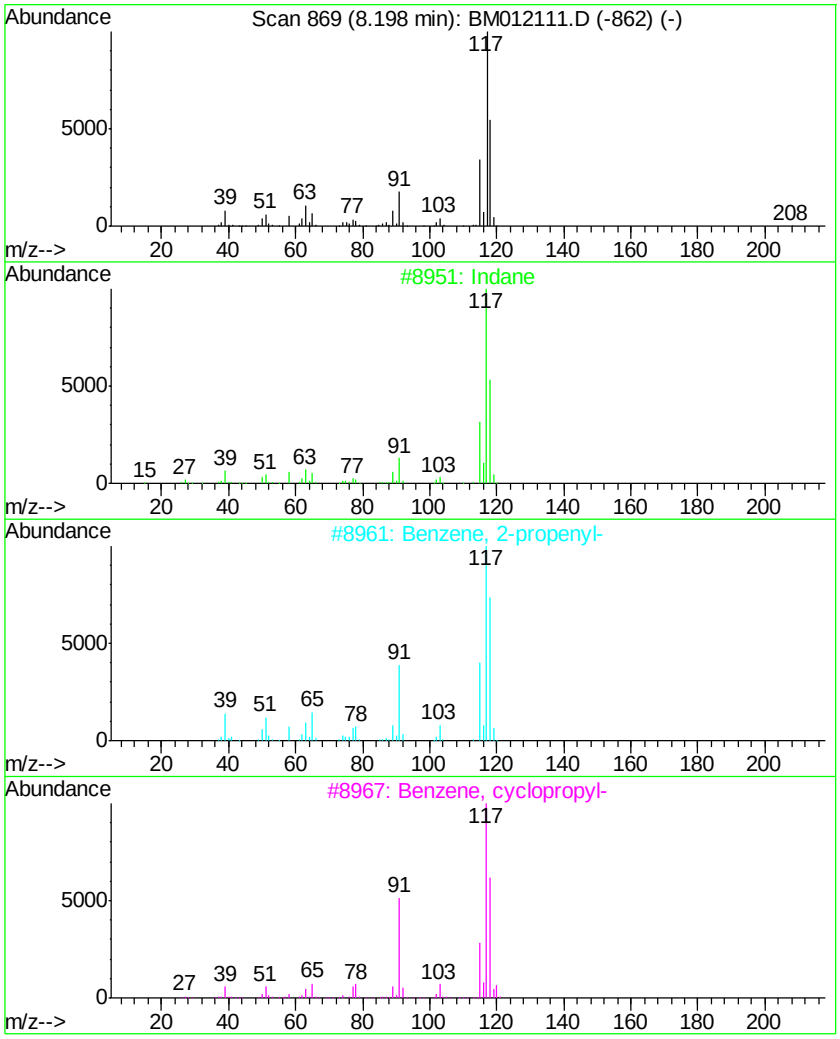
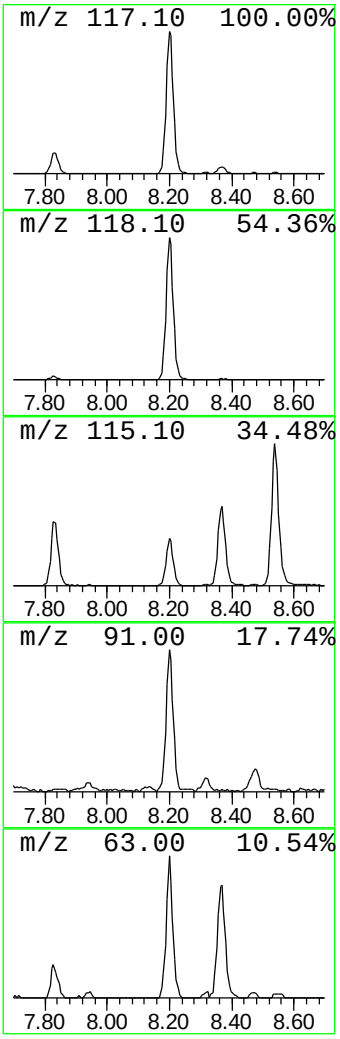
Peak Number 1 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	12.51 ng/ul	888073	1,4-Dichlorobenzene-d4	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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Sample : I5772-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD9S0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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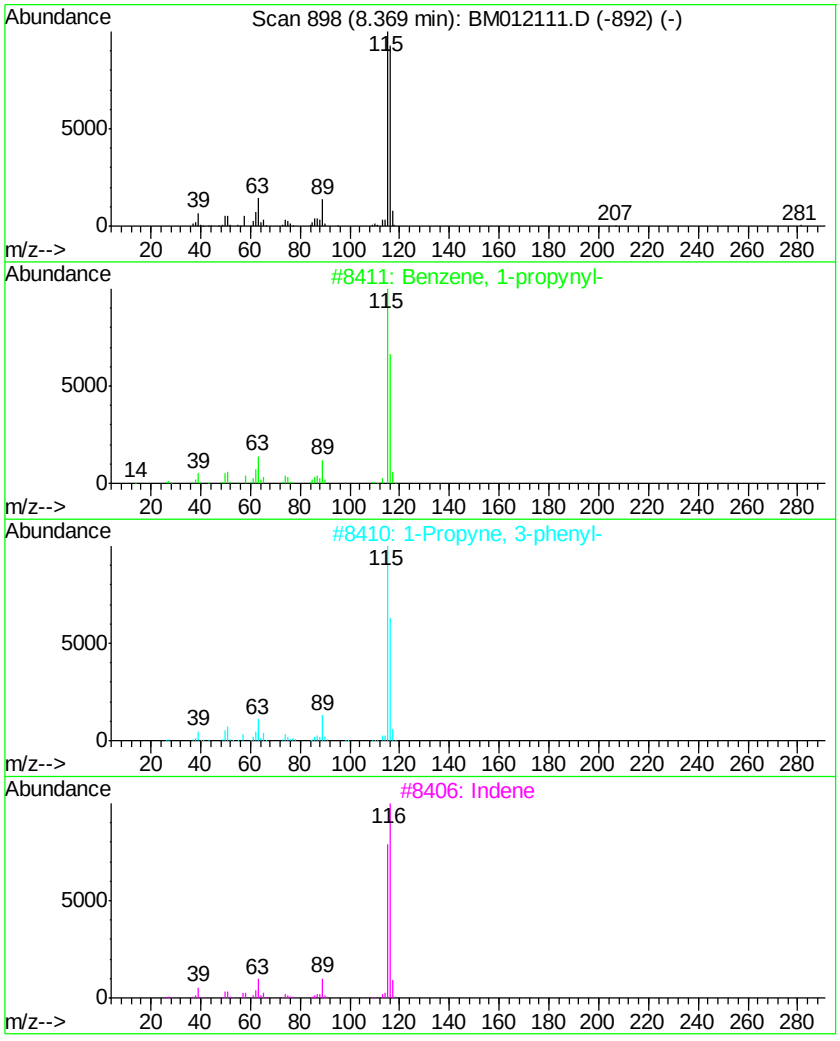
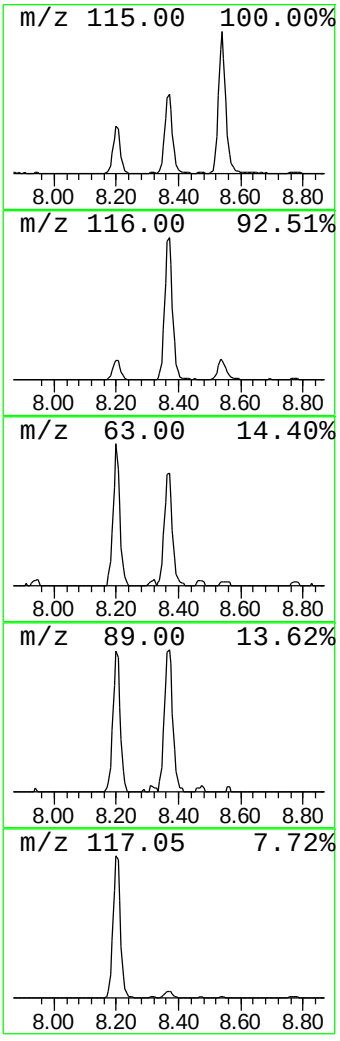
Peak Number 2 Benzene, 1-propynyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	7.59 ng/ul	538598	1,4-Dichlorobenzene-d4	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	Indene	116	C9H8	000095-13-6	93
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BD9S0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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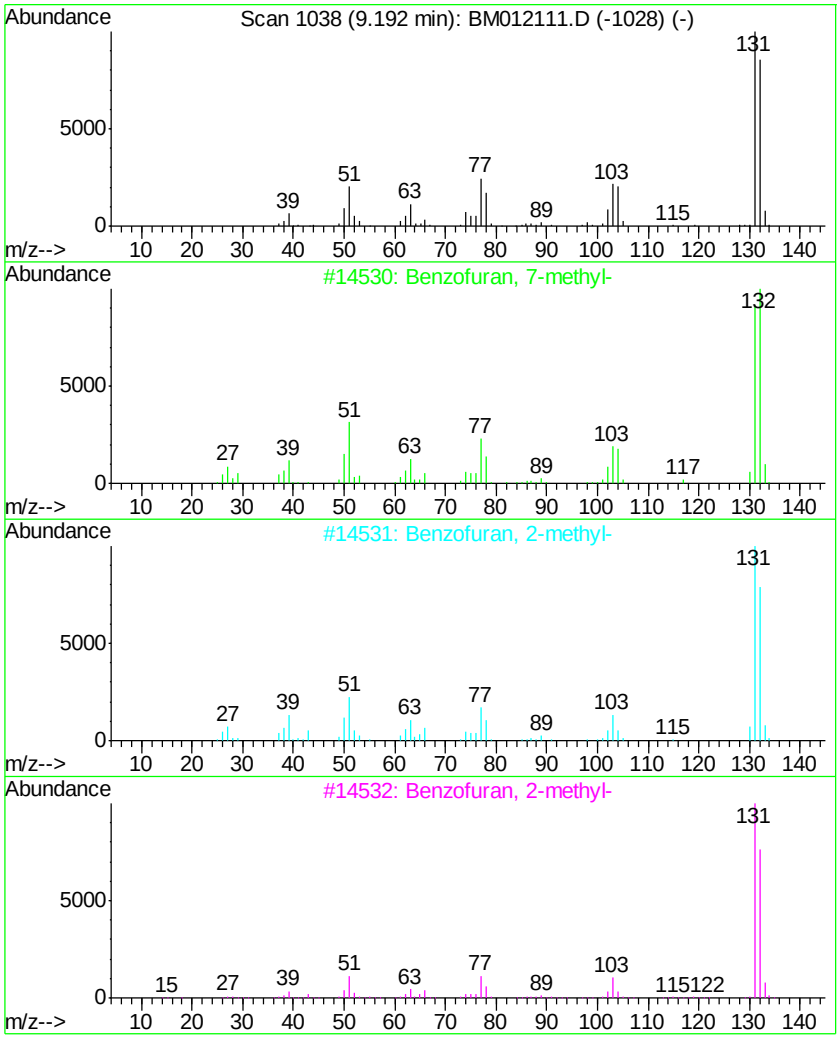
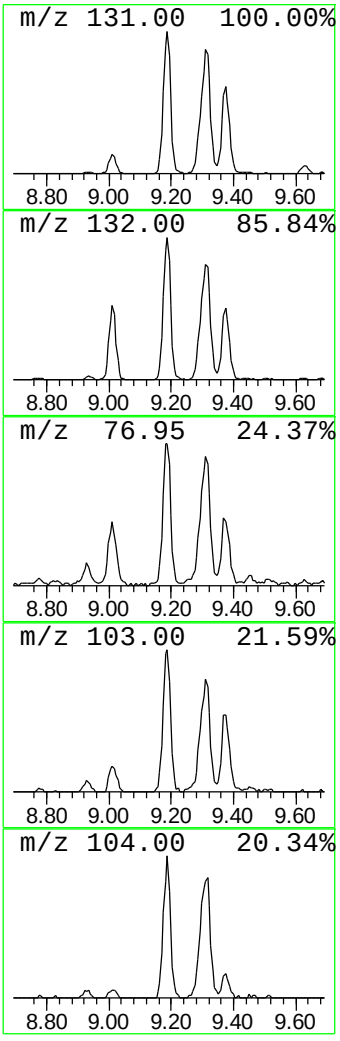
Peak Number 3 Benzofuran, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	9.49 ng/ul	673916	1,4-Dichlorobenzene-d4	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90





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Instrument : BNA_M
ClientSampleId : BD9S0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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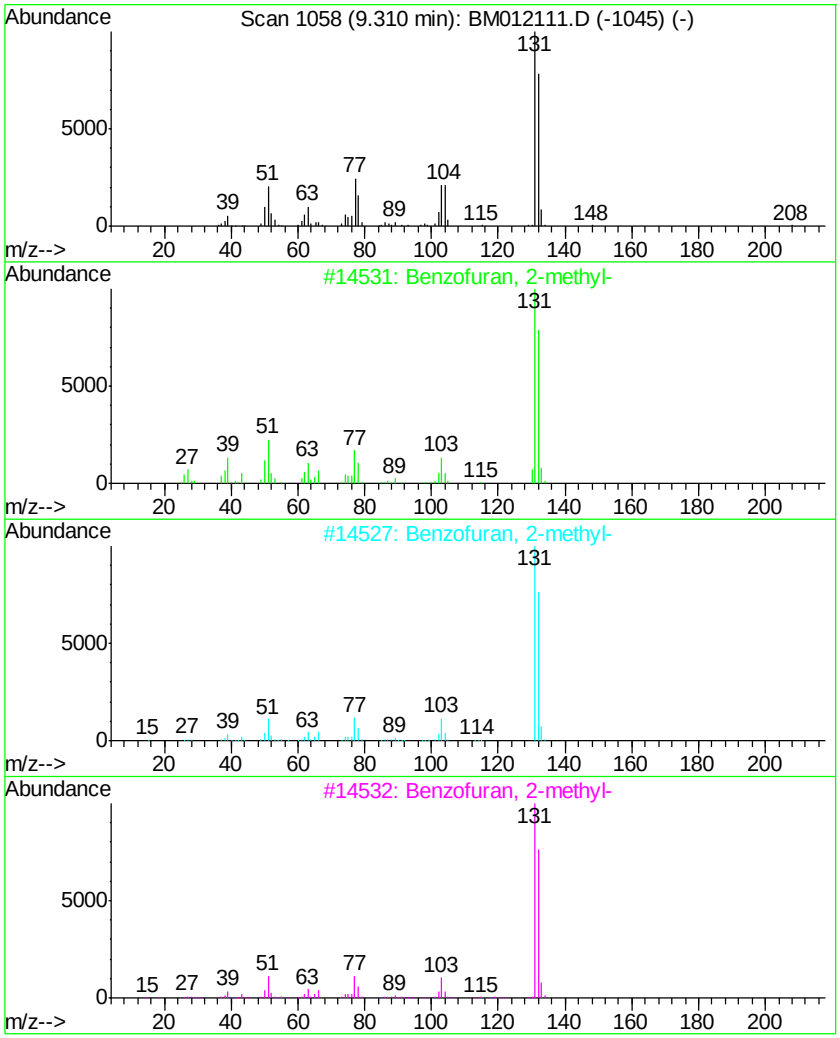
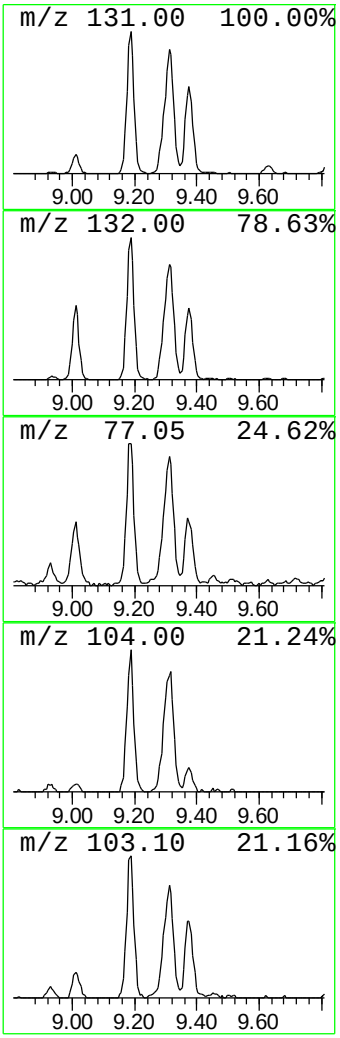
Peak Number 4 Benzofuran, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	6.73 ng/ul	769249	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





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Operator : SJ/JU
Sample : I5772-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD9S0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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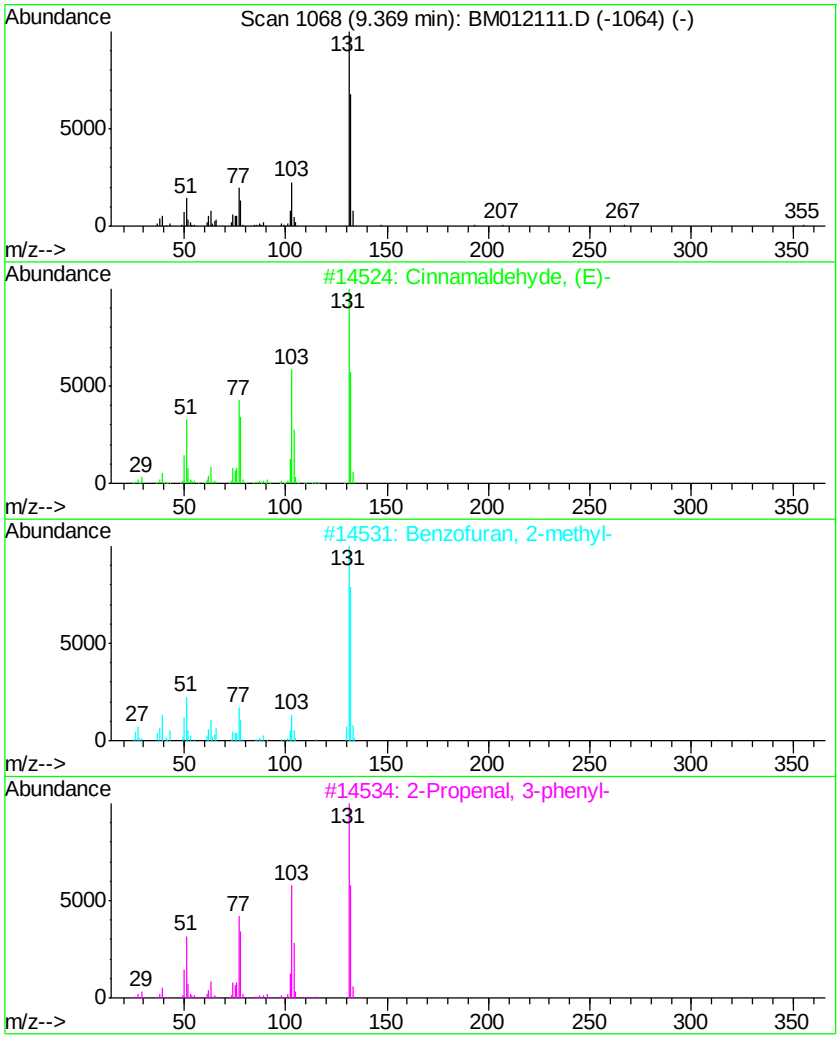
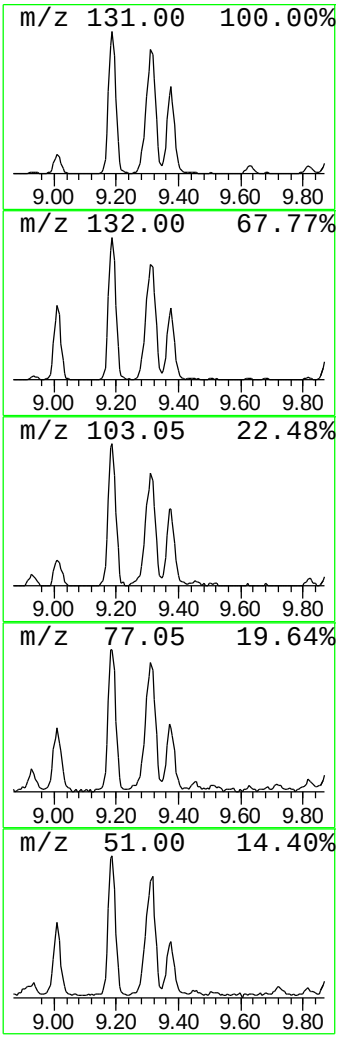
Peak Number 5 Cinnamaldehyde, (E)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	3.05 ng/ul	348822	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	86





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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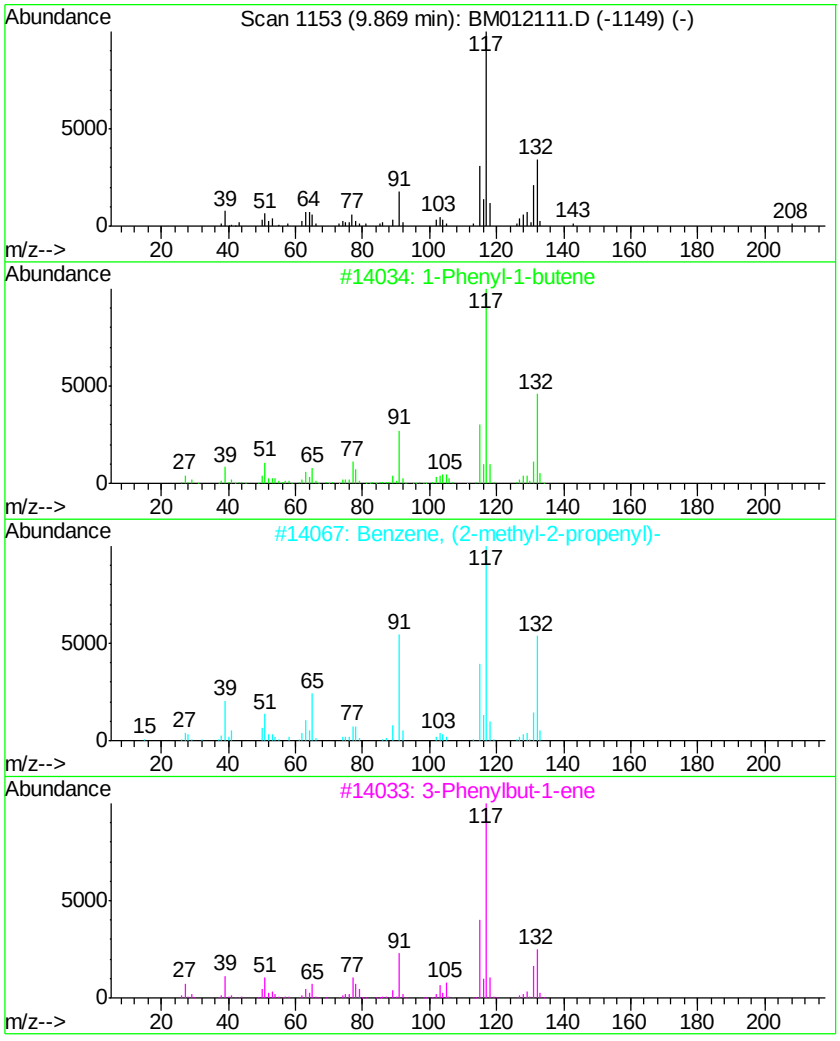
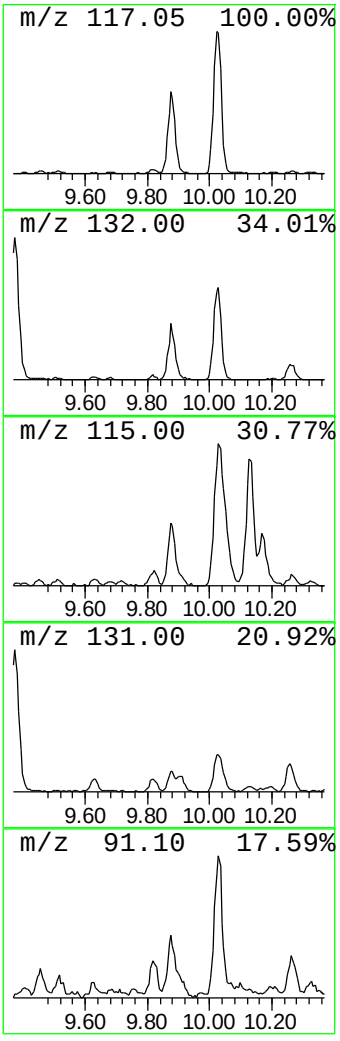
Peak Number 6 1-Phenyl-1-butene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	2.45 ng/ul	279618	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





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Sample : I5772-03
Misc :
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Instrument : BNA_M
ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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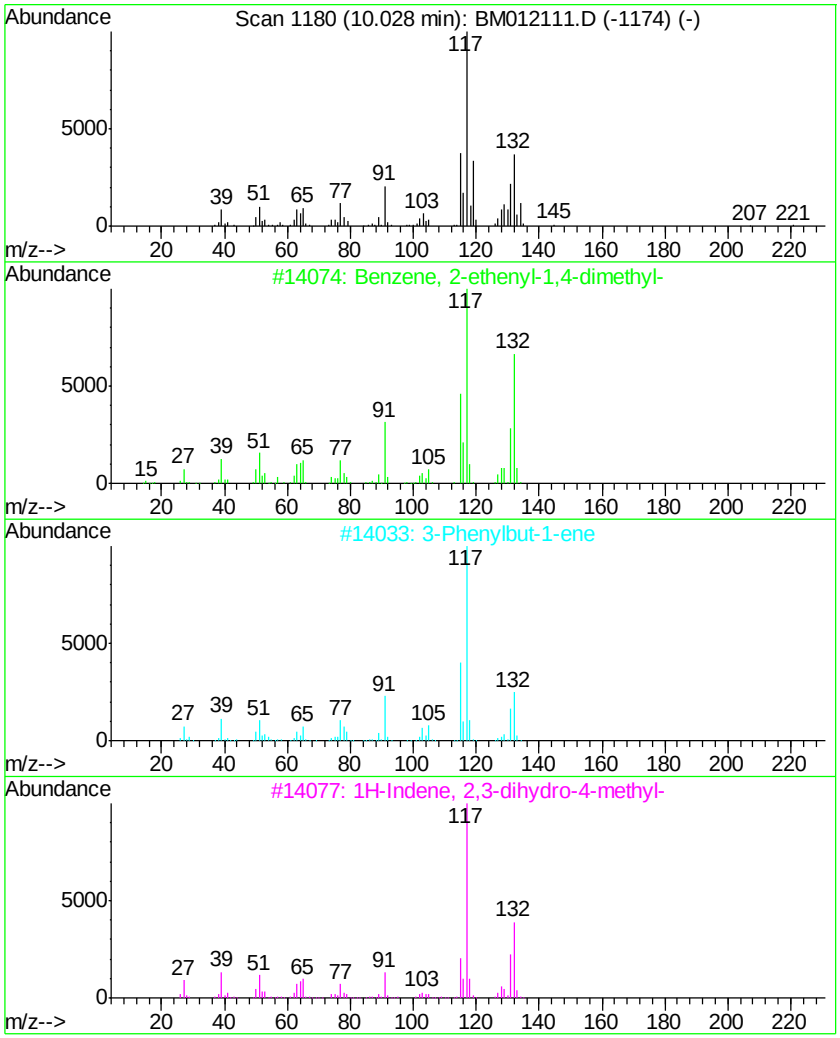
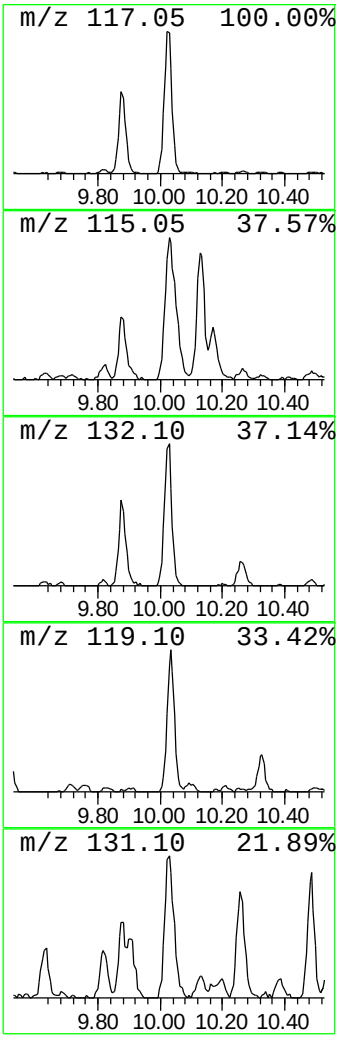
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	6.42 ng/ul	733162	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76





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Misc :
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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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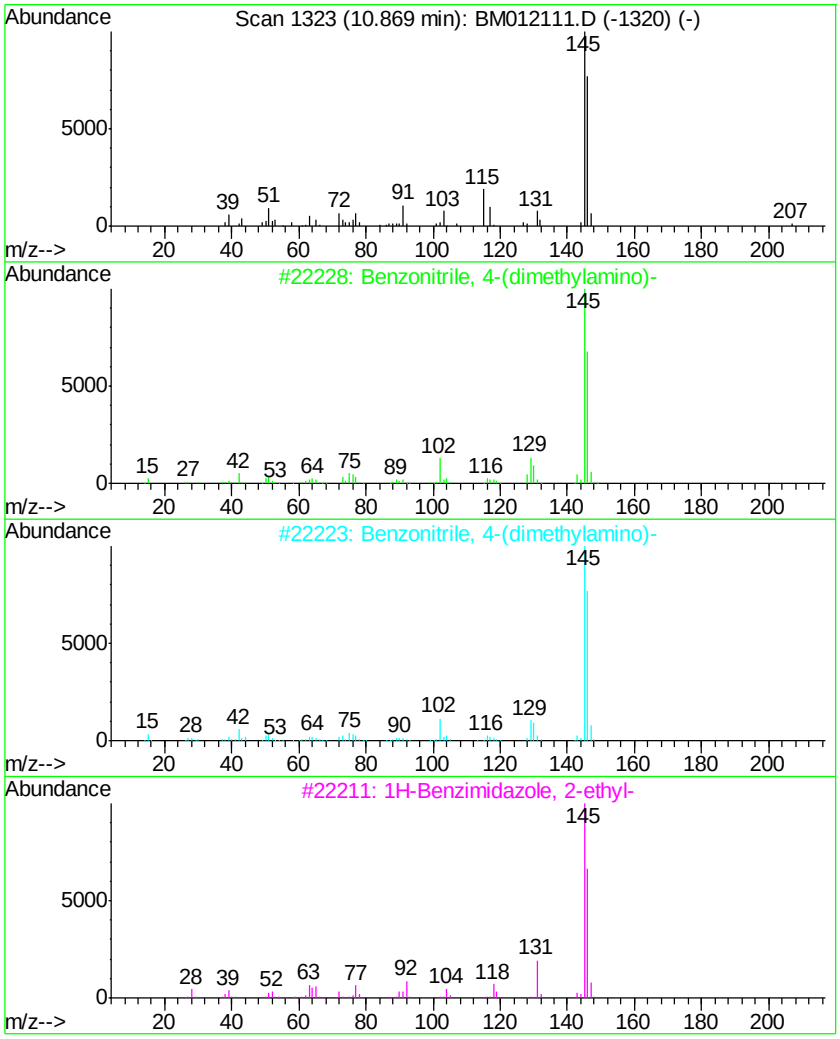
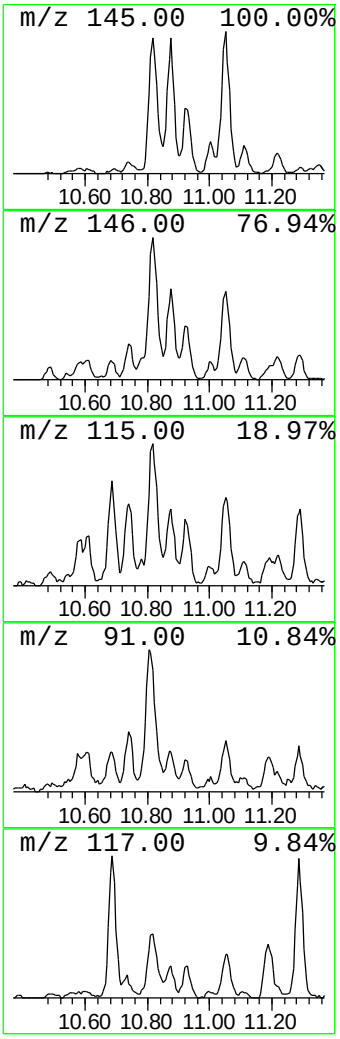
Peak Number 8 Benzonitrile, 4-(dimethylam... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	2.83 ng/ul	323118	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	64
2	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	64
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	56
4	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	56
5	1H-Pyrazole, 4,5-dihydro-3-phenyl-	146	C9H10N2	000936-48-1	53





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ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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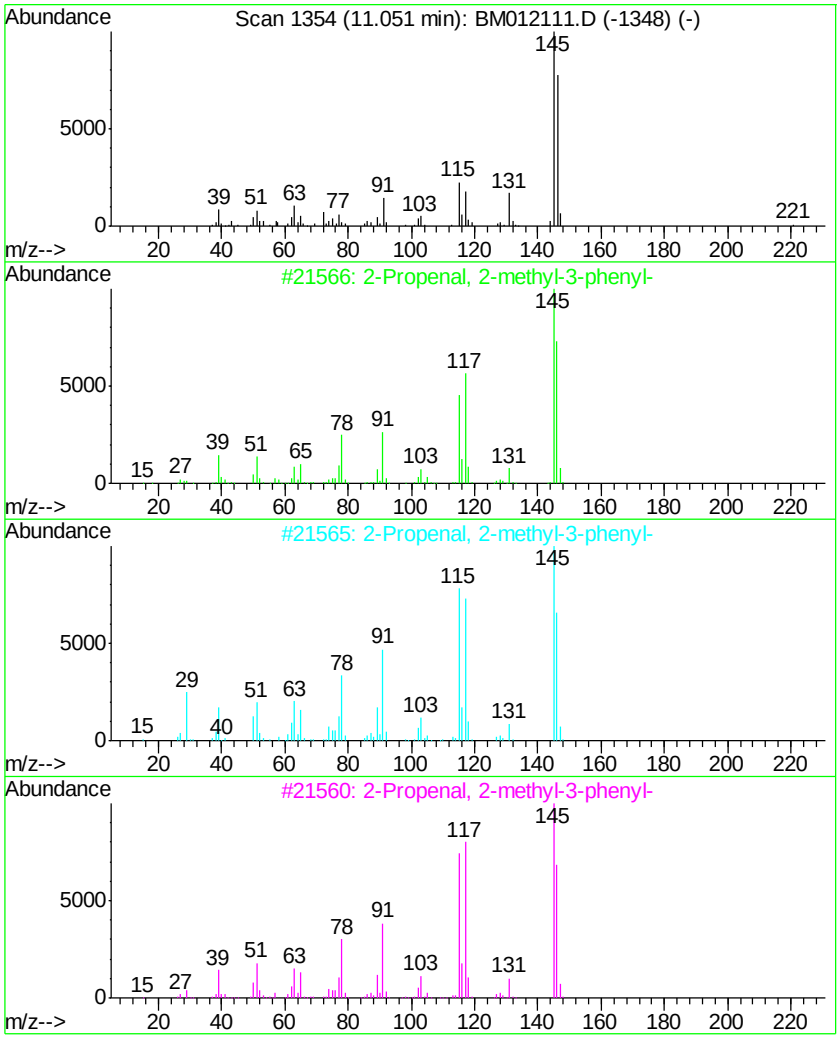
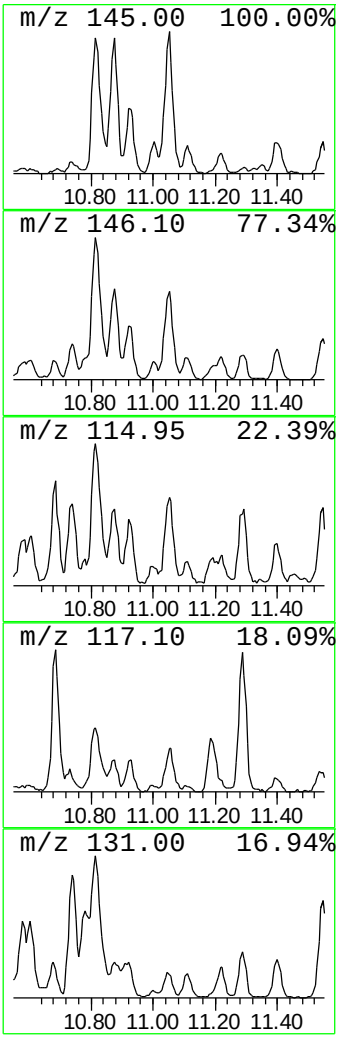
Peak Number 9 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	2.44 ng/ul	278518	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	86
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	83
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	83
4	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	76
5	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64





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Quant Title : SVOA CALIBRATION

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

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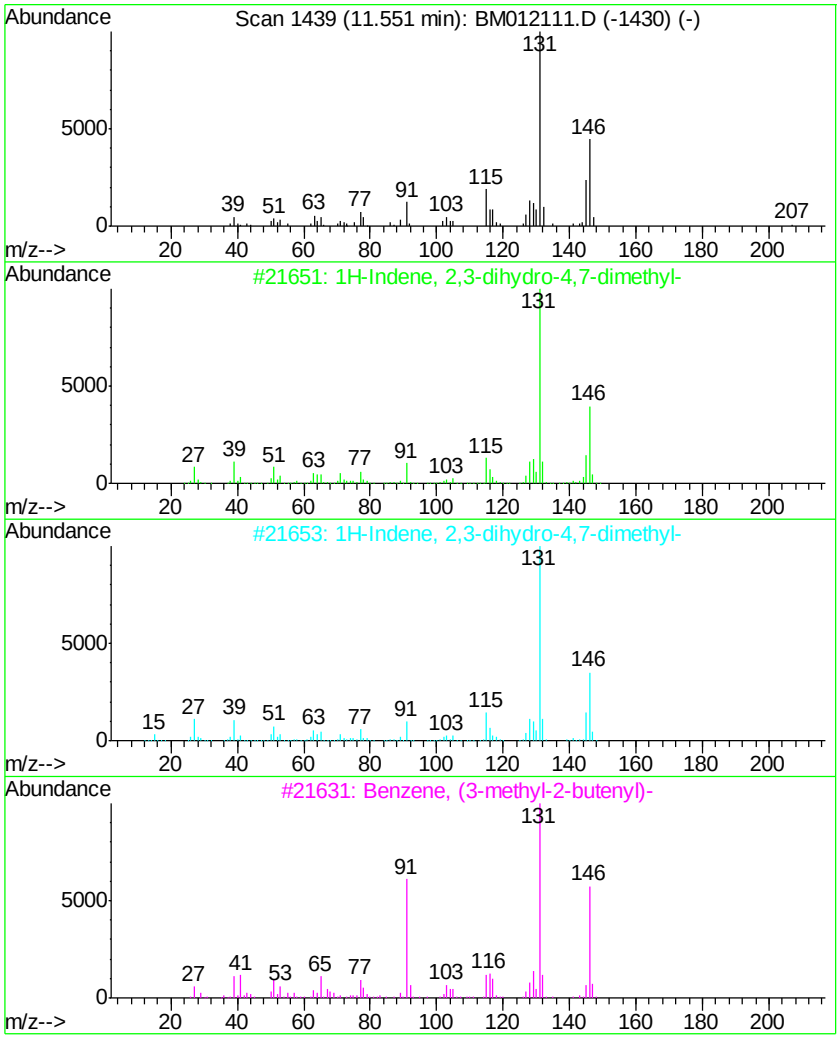
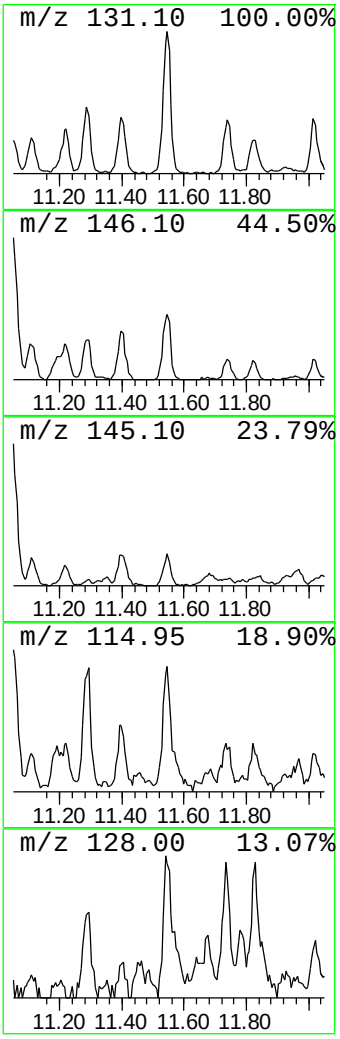
Peak Number 10 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	2.20 ng/ul	251280	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87





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ALS Vial : 12 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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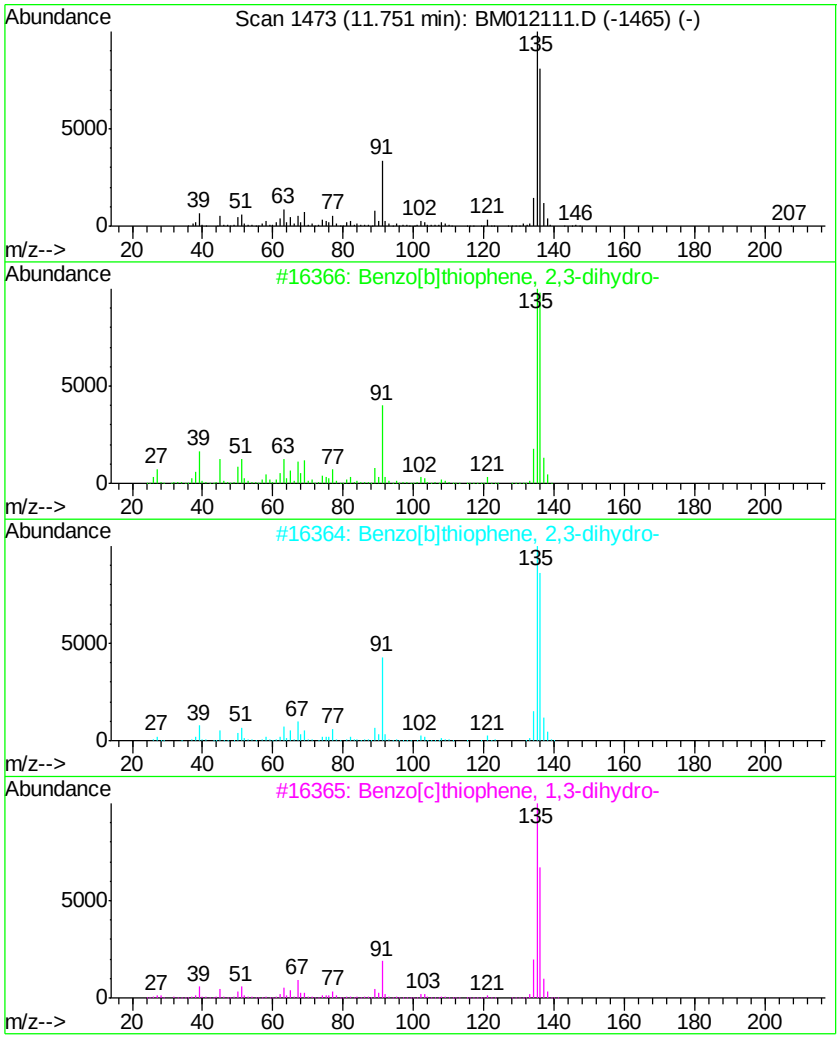
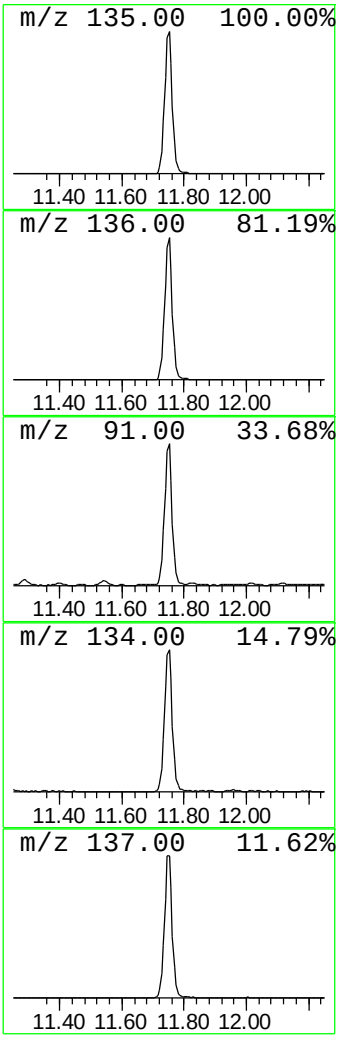
Peak Number 11 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	25.52 ng/ul	2915860	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	94
2	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	94
3	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	90
4	Benzaldehyde, 4-methoxy-	136	C8H8O2	000123-11-5	72
5	4-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	015174-69-3	72





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Quant Title : SVOA CALIBRATION

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

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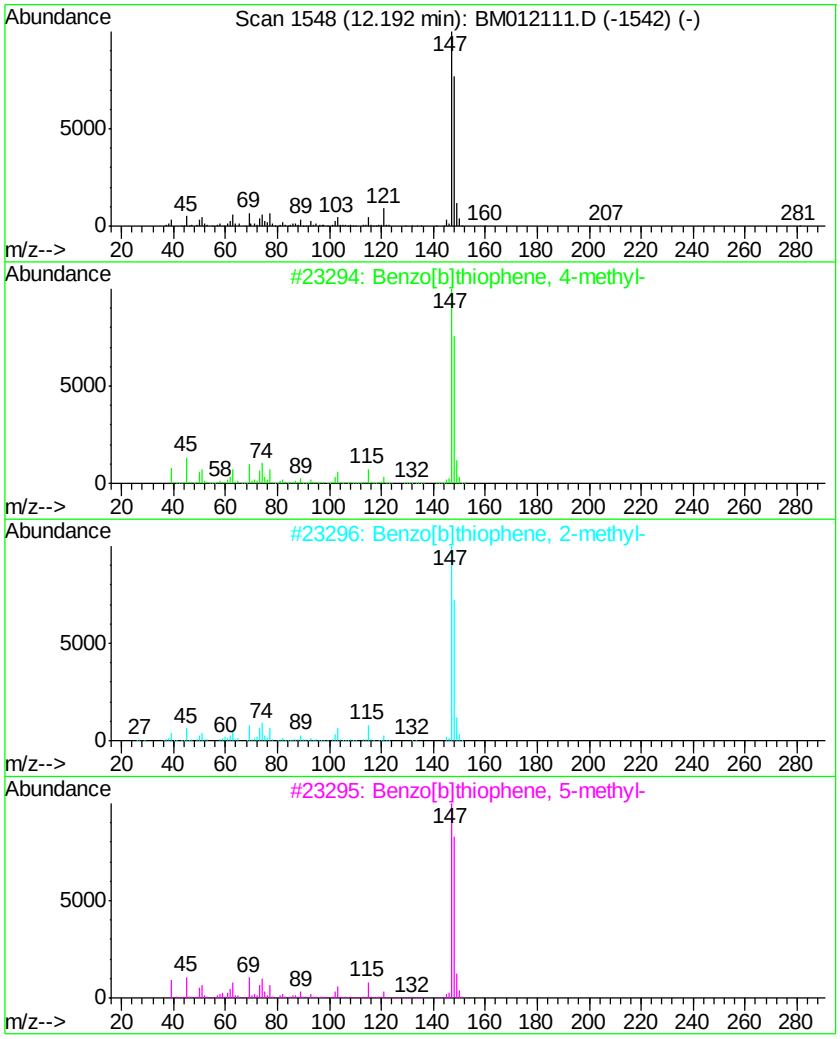
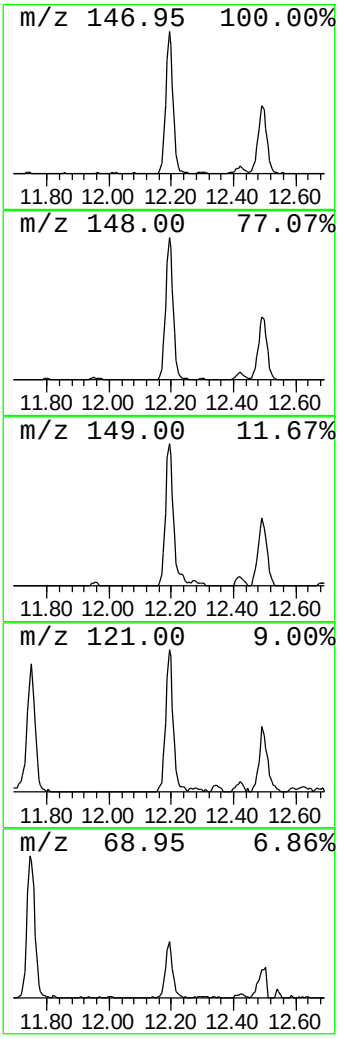
Peak Number 12 Benzo[b]thiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	9.08 ng/ul	1037020	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87





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Instrument : BNA_M
ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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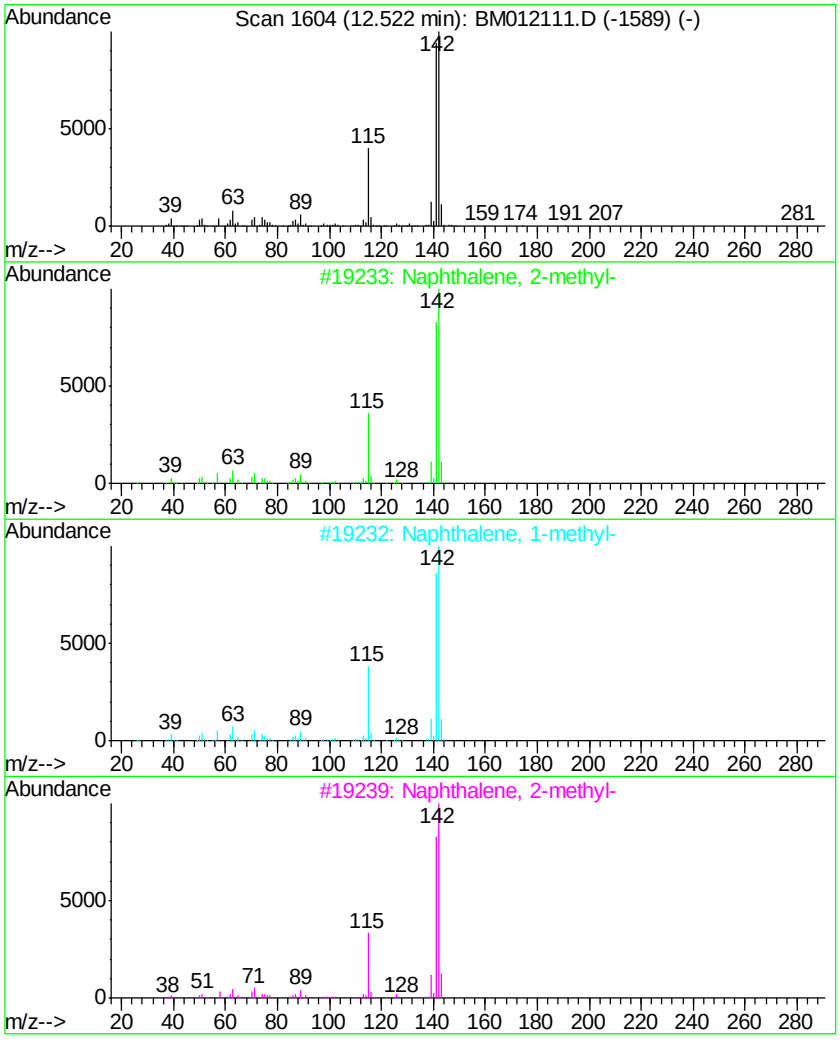
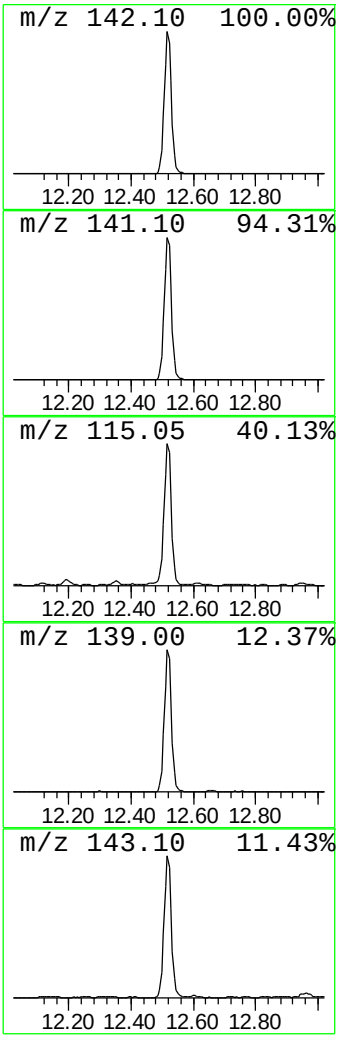
Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	35.06 ng/ul	4006020	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Quant Title : SVOA CALIBRATION

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

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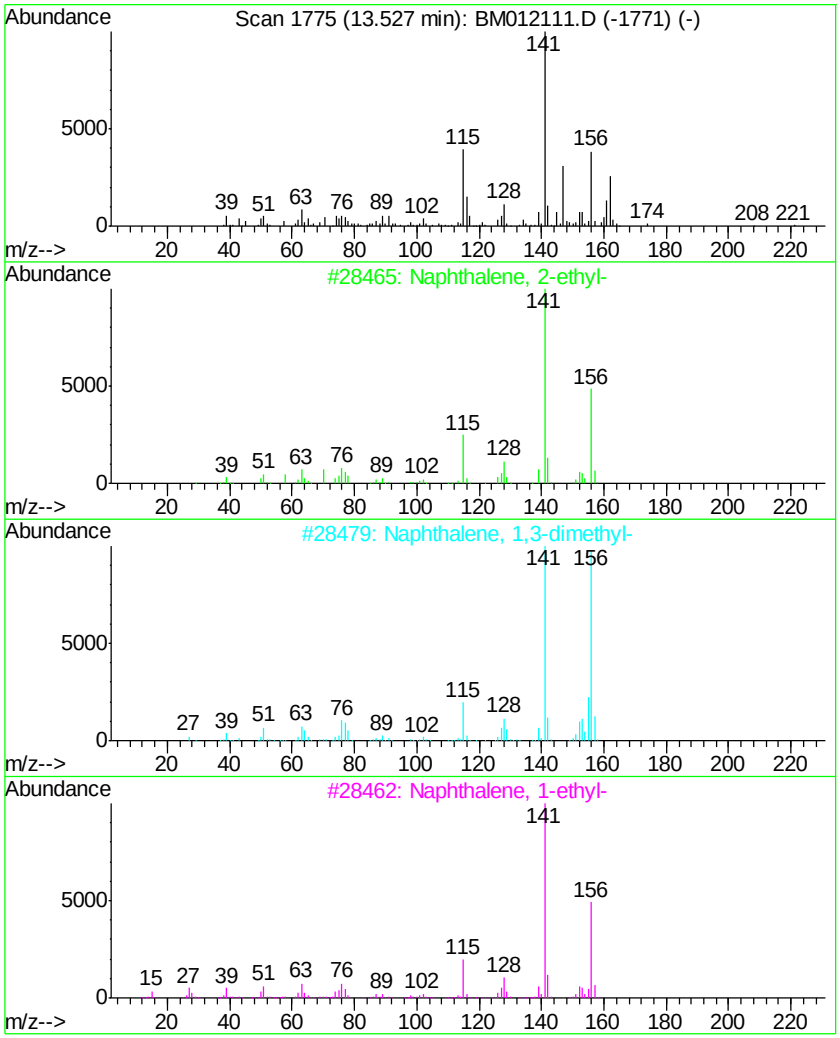
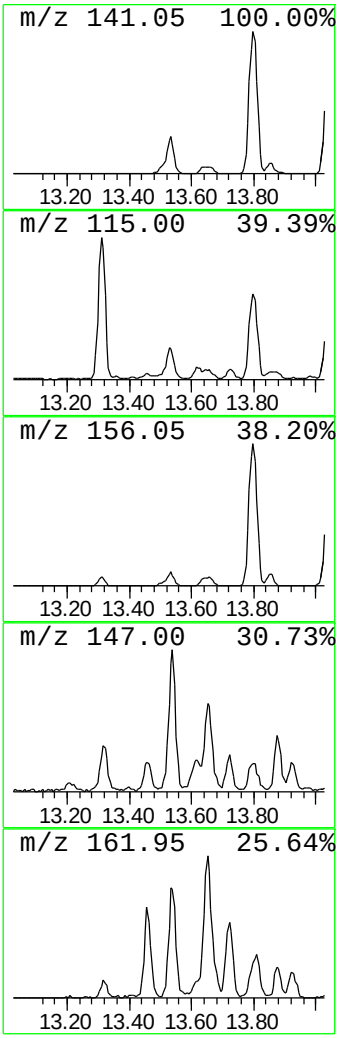
Peak Number 14 Naphthalene, 2-ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	3.61 ng/ul	645170	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	58
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	58
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	58
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	53
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	53





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Quant Title : SVOA CALIBRATION

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

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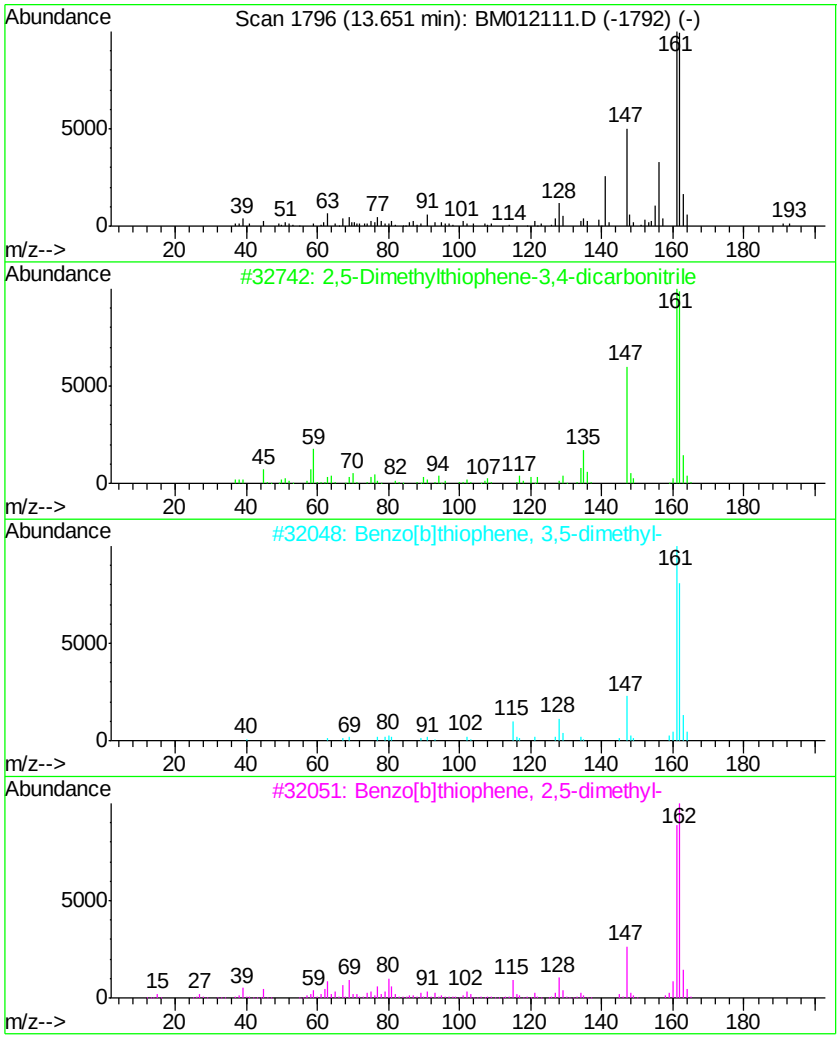
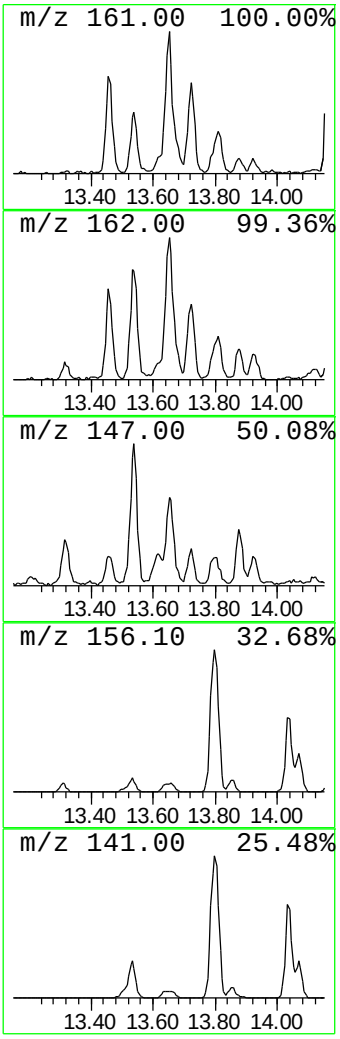
Peak Number 15 2,5-Dimethylthiophene-3,4-d... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.91 ng/ul	520679	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethylthiophene-3,4-dicarb...	162	C8H6N2S	1000305-40-9	64
2	Benzo[b]thiophene, 3,5-dimethyl-	162	C10H10S	001964-45-0	62
3	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	53
4	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	53
5	Benzo[b]thiophene, 3,6-dimethyl-	162	C10H10S	016587-50-1	53





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Quant Title : SVOA CALIBRATION

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

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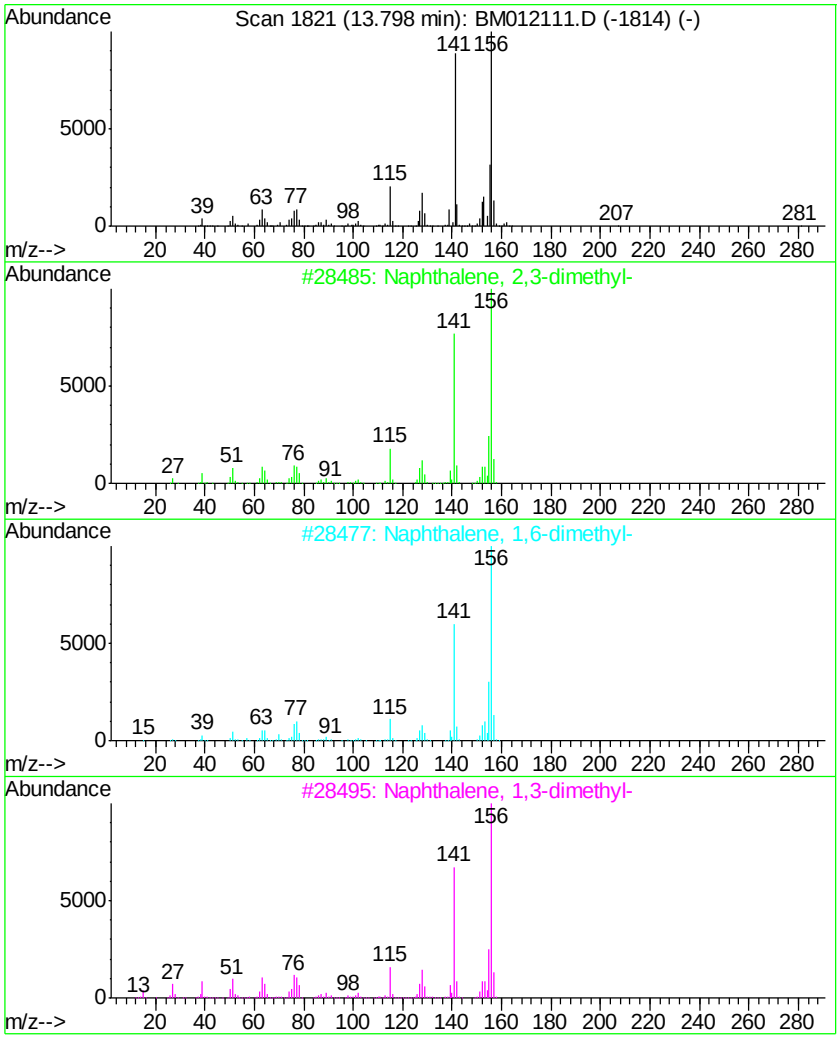
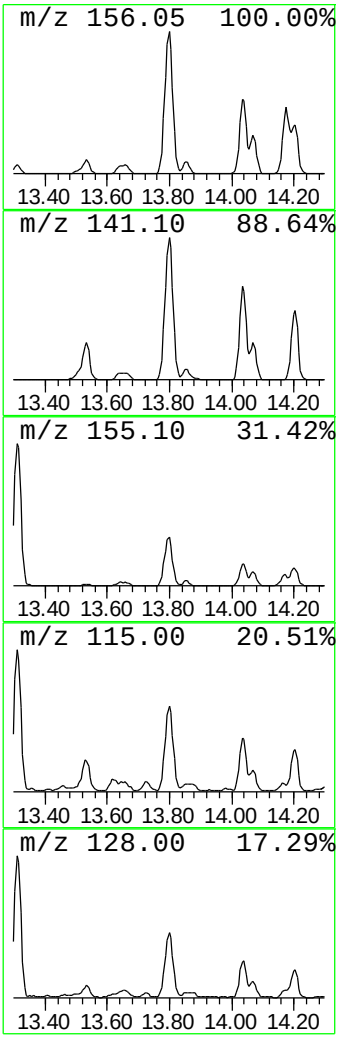
Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	16.97 ng/ul	3033200	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Quant Title : SVOA CALIBRATION

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

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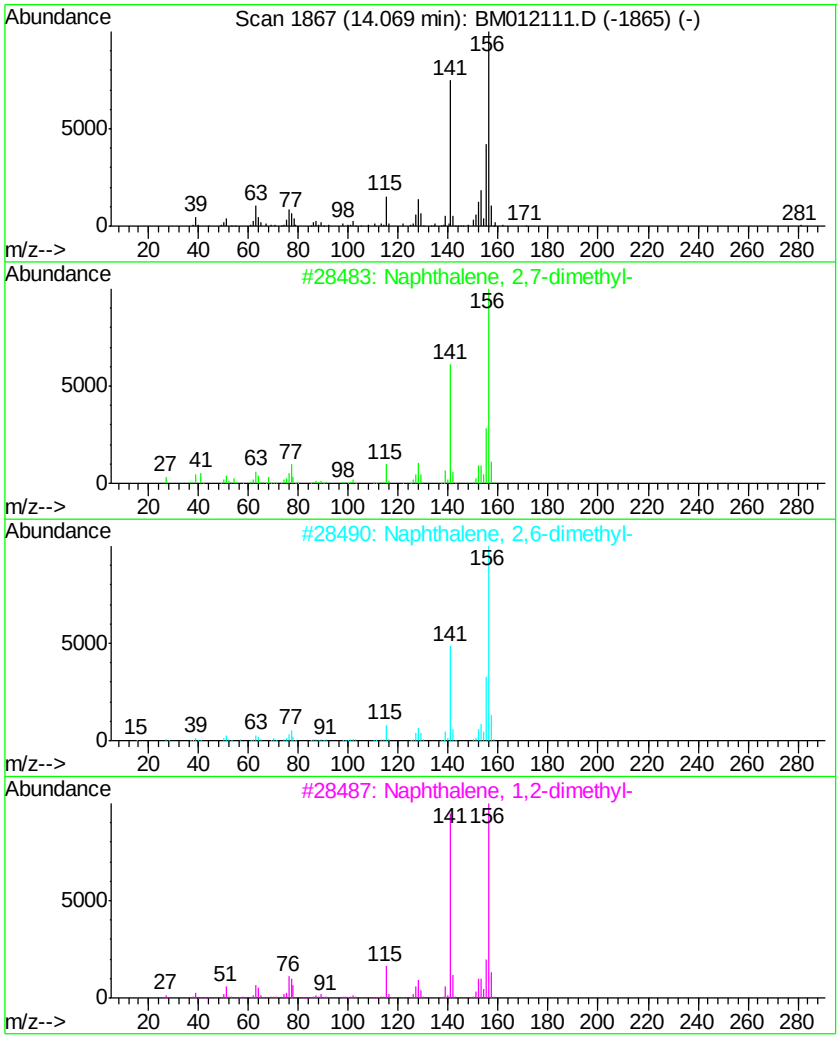
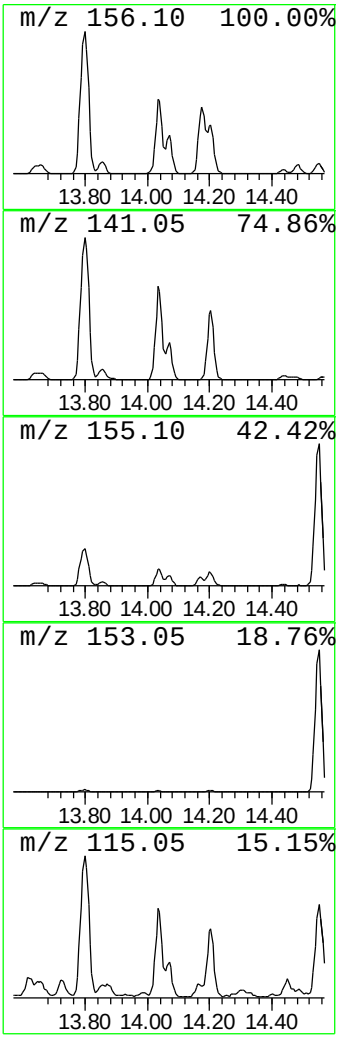
Peak Number 18 Naphthalene, 2,7-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.93 ng/ul	523390	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	89
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	89
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87





Library Search Compound Report

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Acq On : 12 Oct 2017 22:39
Operator : SJ/JU
Sample : I5772-03
Misc :
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Instrument : BNA_M
ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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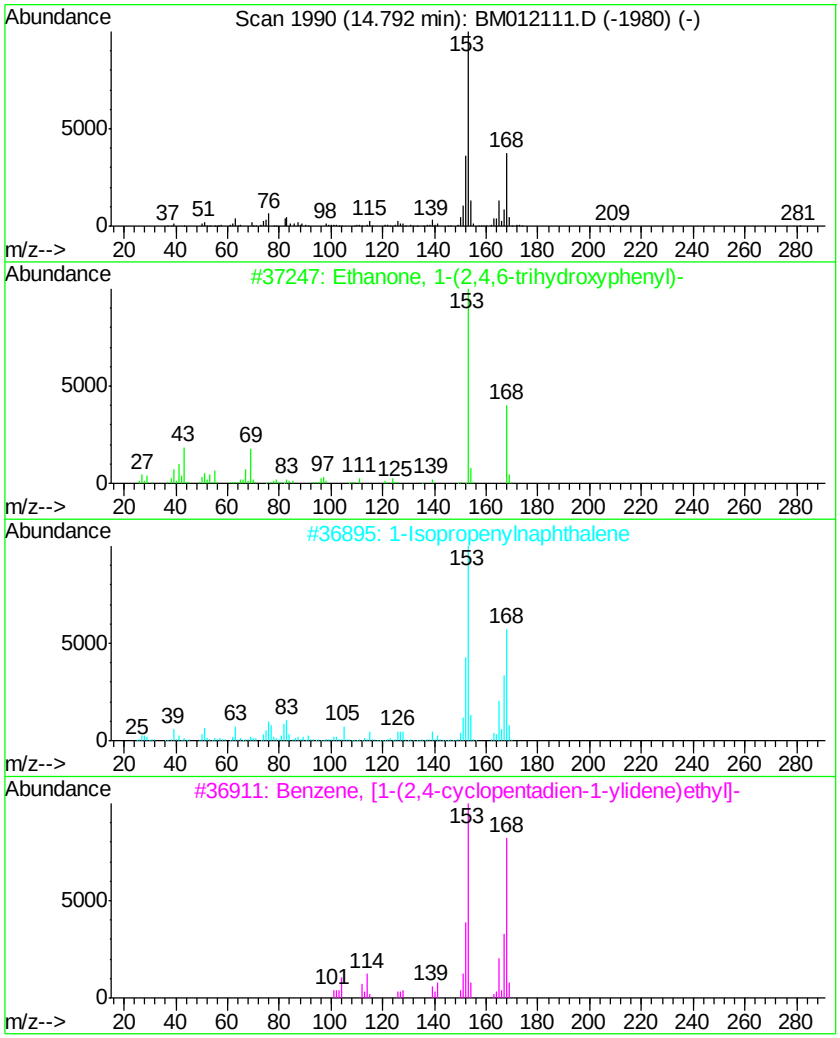
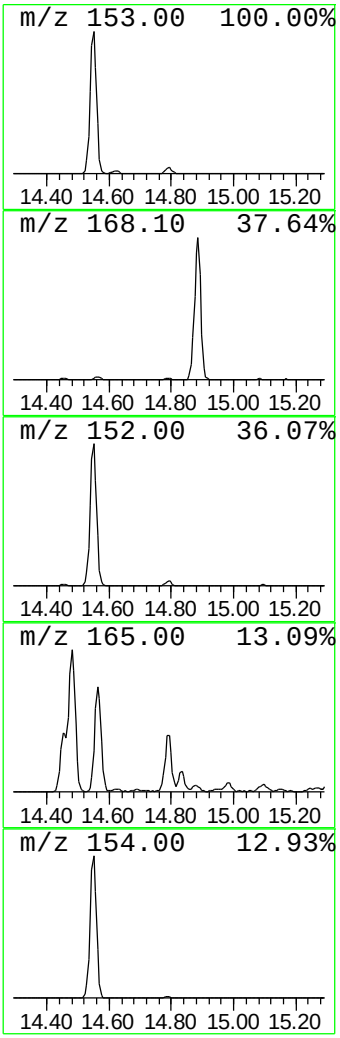
Peak Number 19 Ethanone, 1-(2,4,6-trihydro... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	4.99 ng/ul	891159	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	58
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	53
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53





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Quant Title : SVOA CALIBRATION

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

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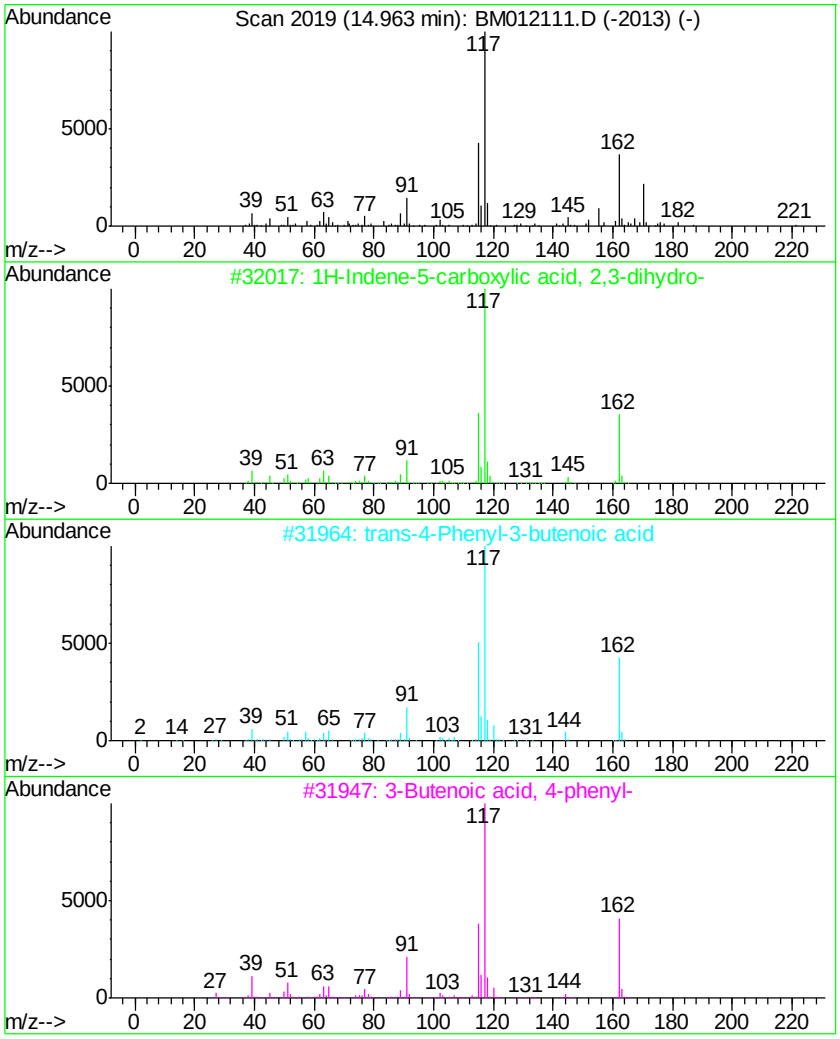
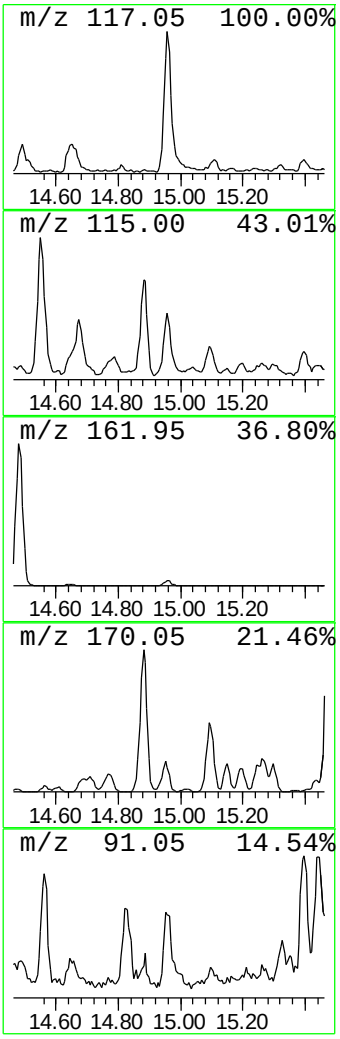
Peak Number 20 1H-Indene-5-carboxylic acid... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.10 ng/ul	374846	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-5-carboxylic acid, 2,3...	162	C10H10O2	1000337-61-3	94
2	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	76
3	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	68
4	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	53
5	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	53





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Instrument : BNA_M
ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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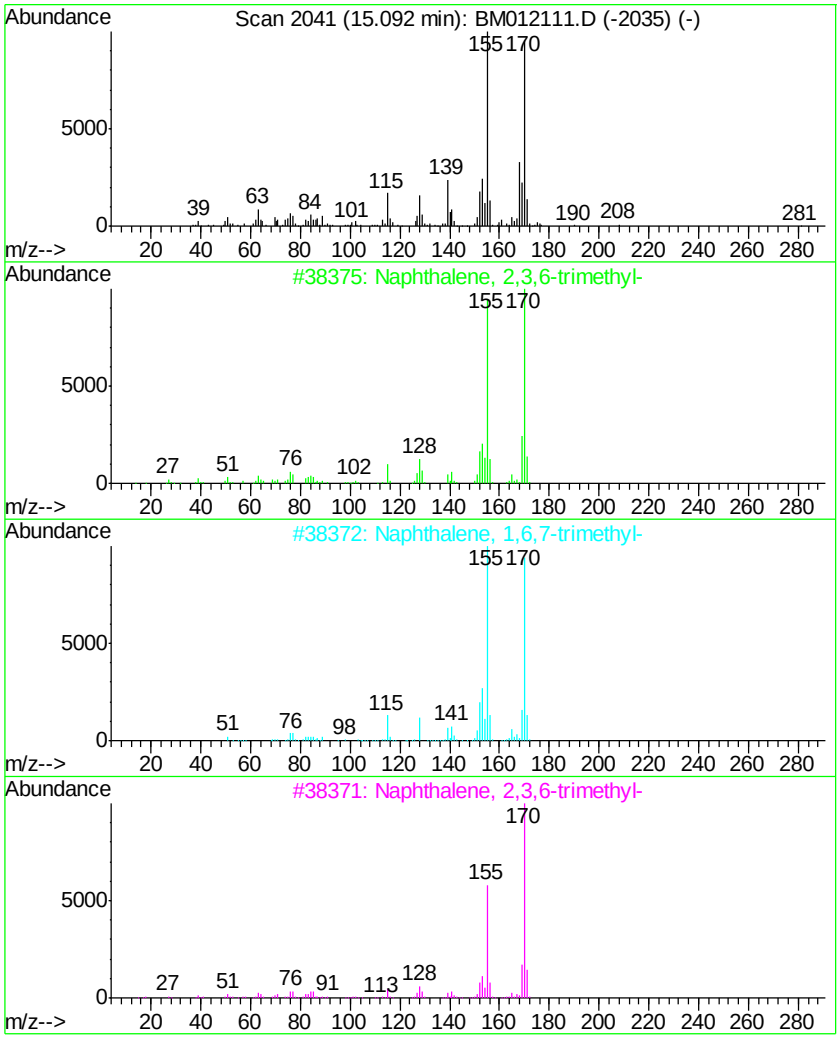
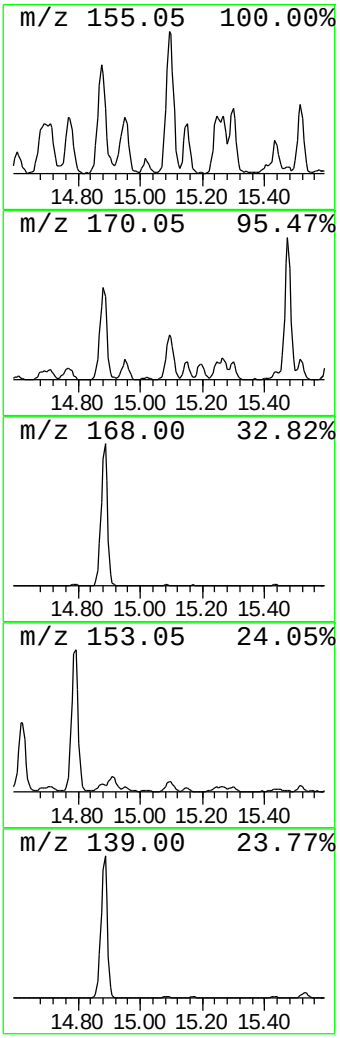
Peak Number 21 Naphthalene, 2,3,6-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	3.15 ng/ul	563509	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95





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Quant Title : SVOA CALIBRATION

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

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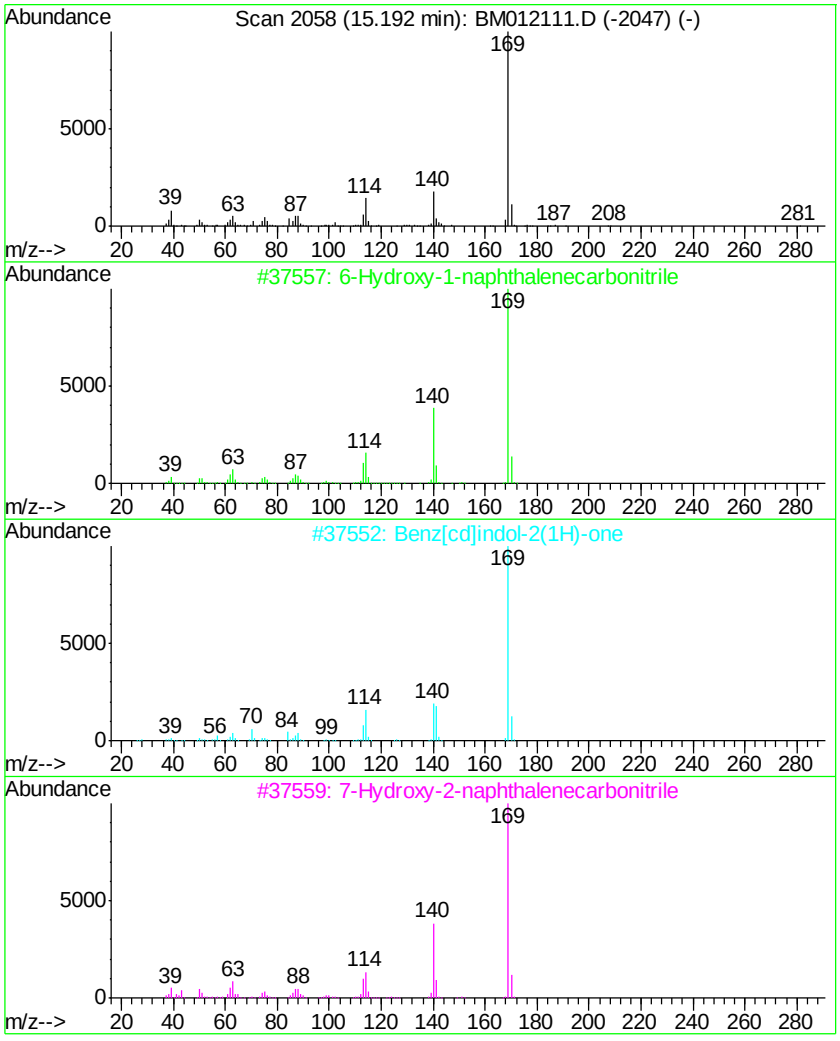
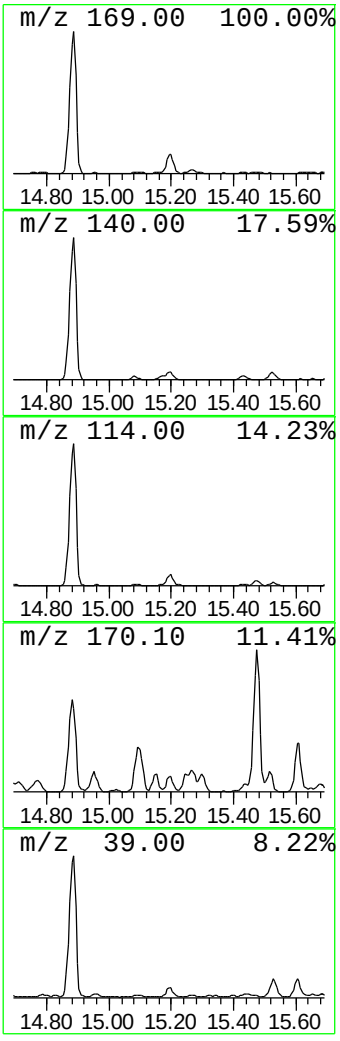
Peak Number 22 6-Hydroxy-1-naphthalenecarb... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.16 ng/ul	743966	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Hydroxy-1-naphthalenecarbonitrile	169	C11H7NO	1000326-74-7	90
2	Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	90
3	7-Hydroxy-2-naphthalenecarbonitrile	169	C11H7NO	1000326-75-0	86
4	6-Hydroxy-2-naphthalenecarbonitrile	169	C11H7NO	1000326-74-8	86
5	7-Hydroxy-1-naphthalenecarbonitrile	169	C11H7NO	1000326-74-9	78





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Quant Title : SVOA CALIBRATION

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

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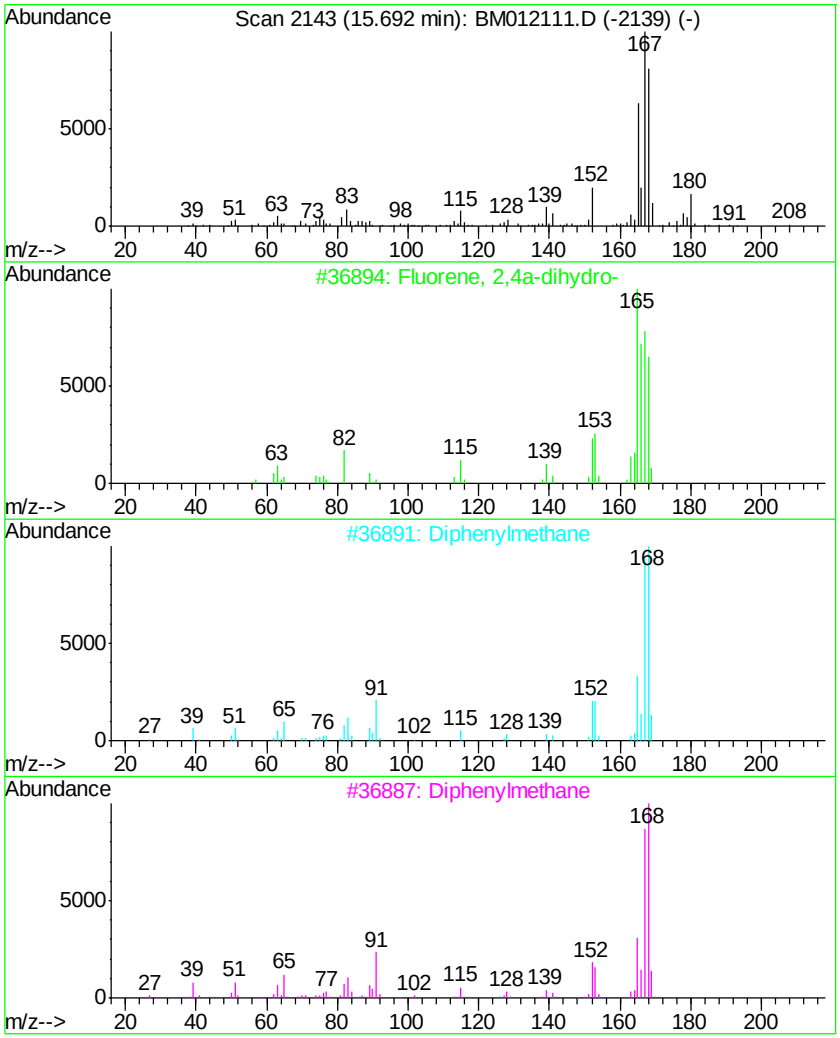
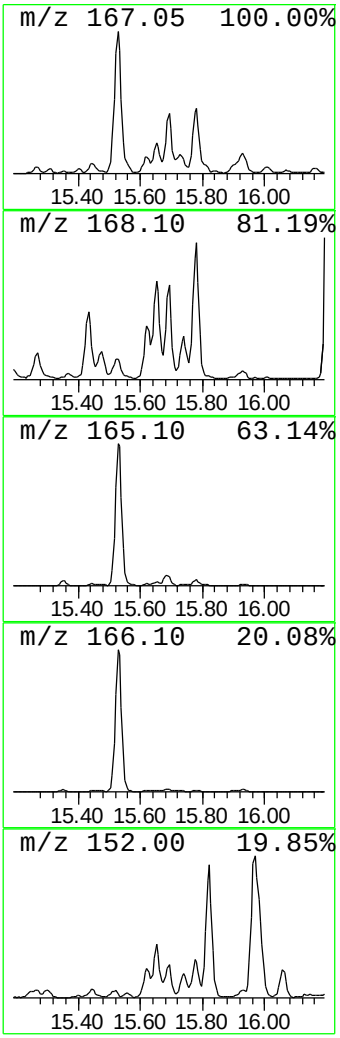
Peak Number 23 Fluorene, 2,4a-dihydro- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	2.55 ng/ul	455415	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	80
2	Diphenylmethane	168	C13H12	000101-81-5	49
3	Diphenylmethane	168	C13H12	000101-81-5	47
4	Diphenylmethane	168	C13H12	000101-81-5	46
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	43





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Instrument : BNA_M
ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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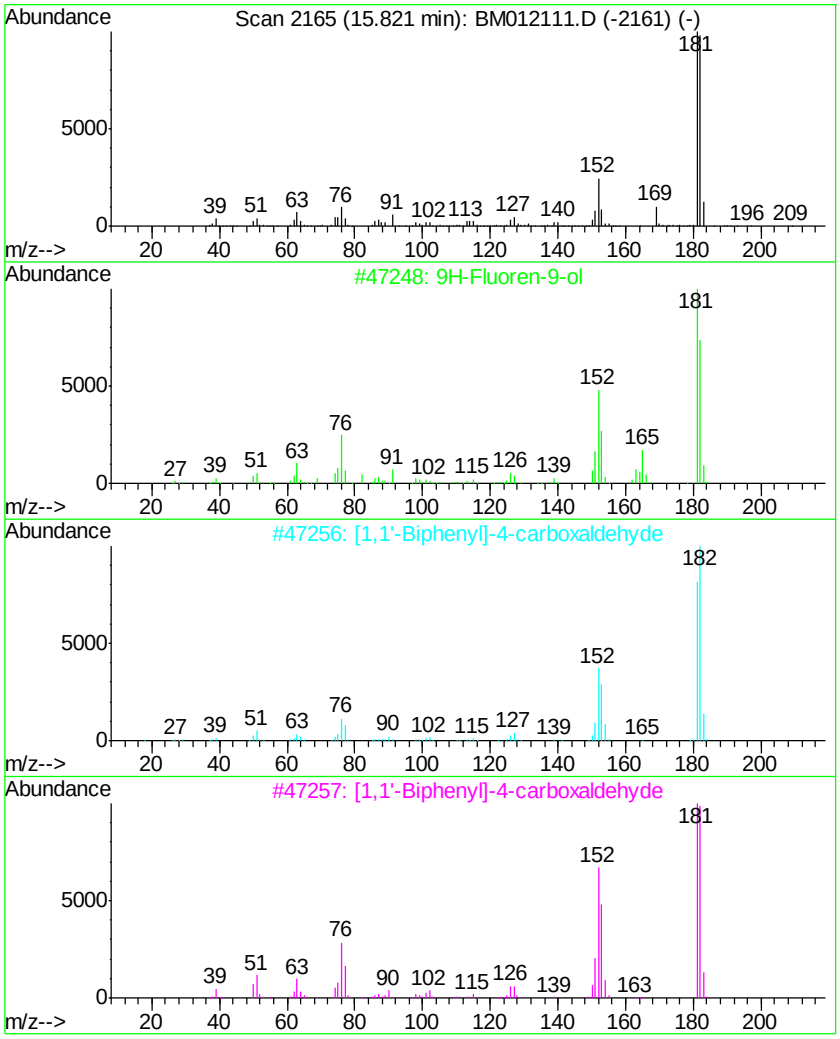
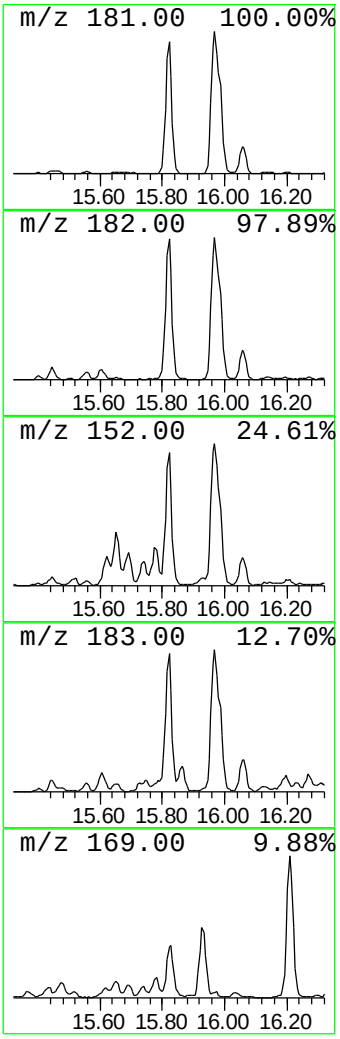
Peak Number 24 9H-Fluoren-9-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	10.77 ng/ul	1925130	Acenaphthene-d10	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	59





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Quant Title : SVOA CALIBRATION

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

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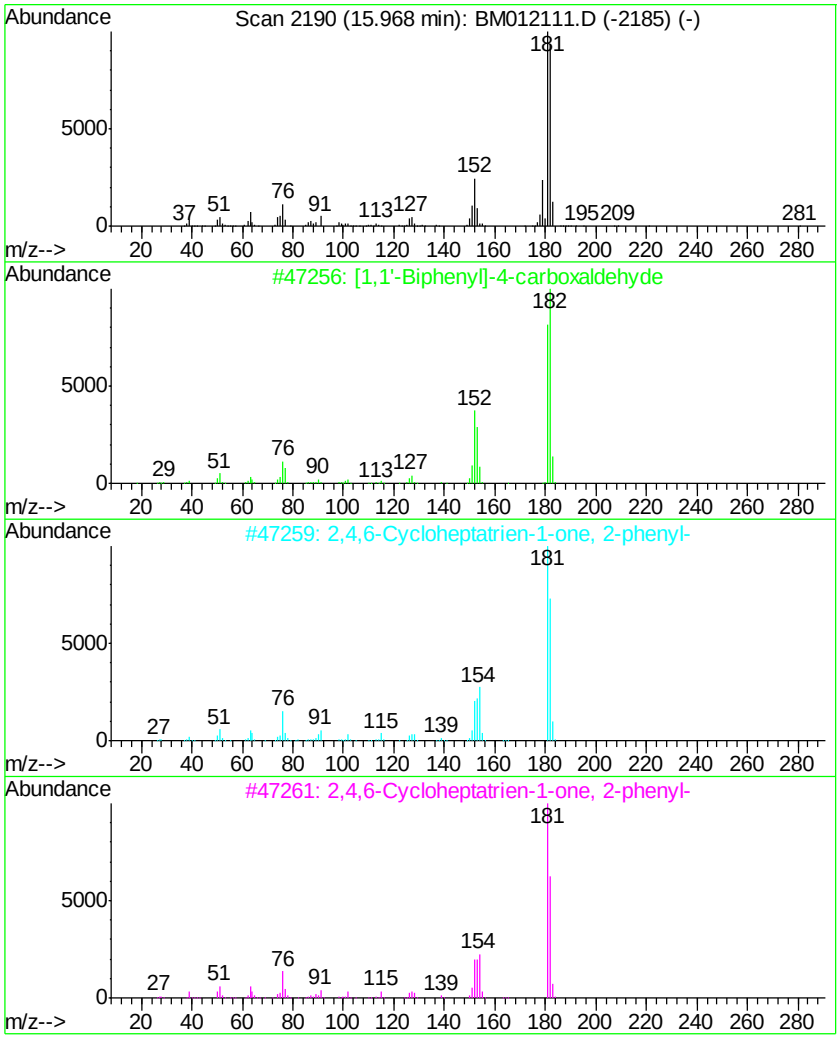
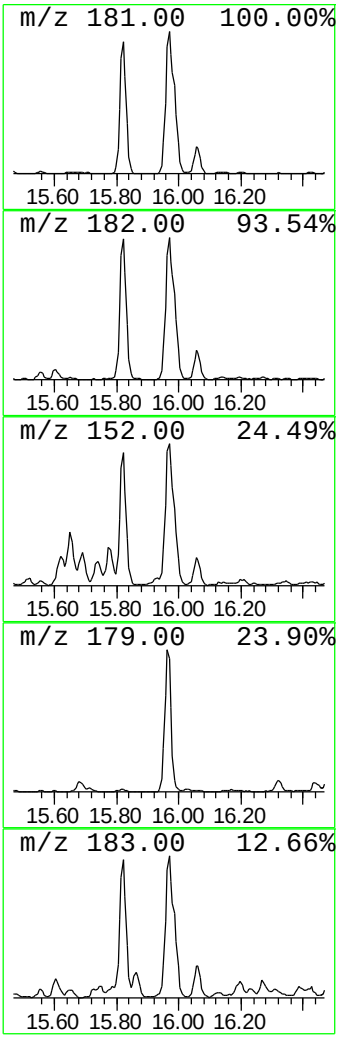
Peak Number 25 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	15.05 ng/ul	2831360	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	76
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Instrument : BNA_M
ClientSampleId : BD9S0

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Quant Title : SVOA CALIBRATION

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

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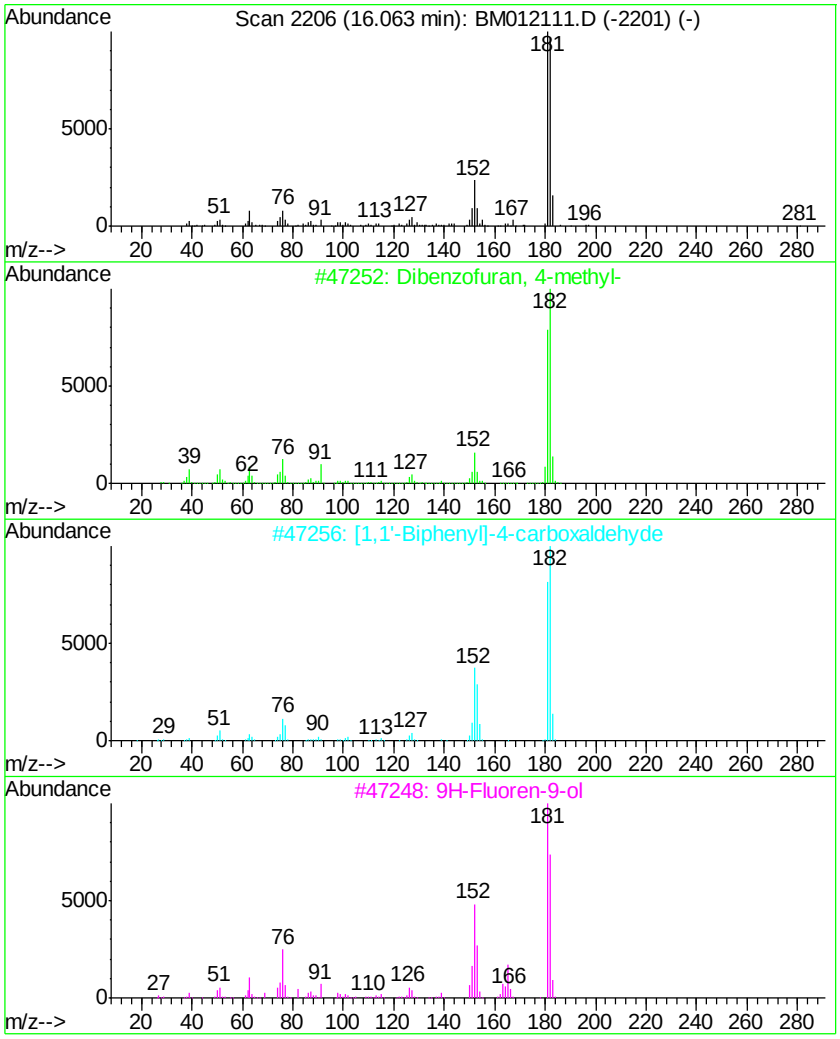
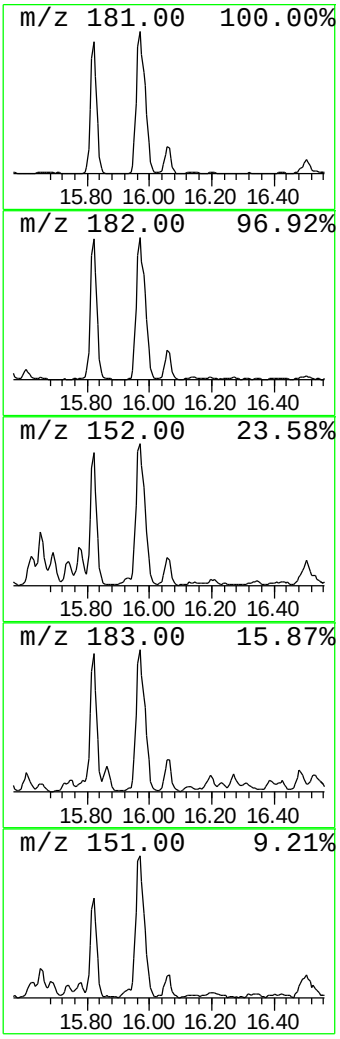
Peak Number 26 Dibenzofuran, 4-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.03 ng/ul	381641	Phenanthrene-d10	17.23

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	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Quant Title : SVOA CALIBRATION

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

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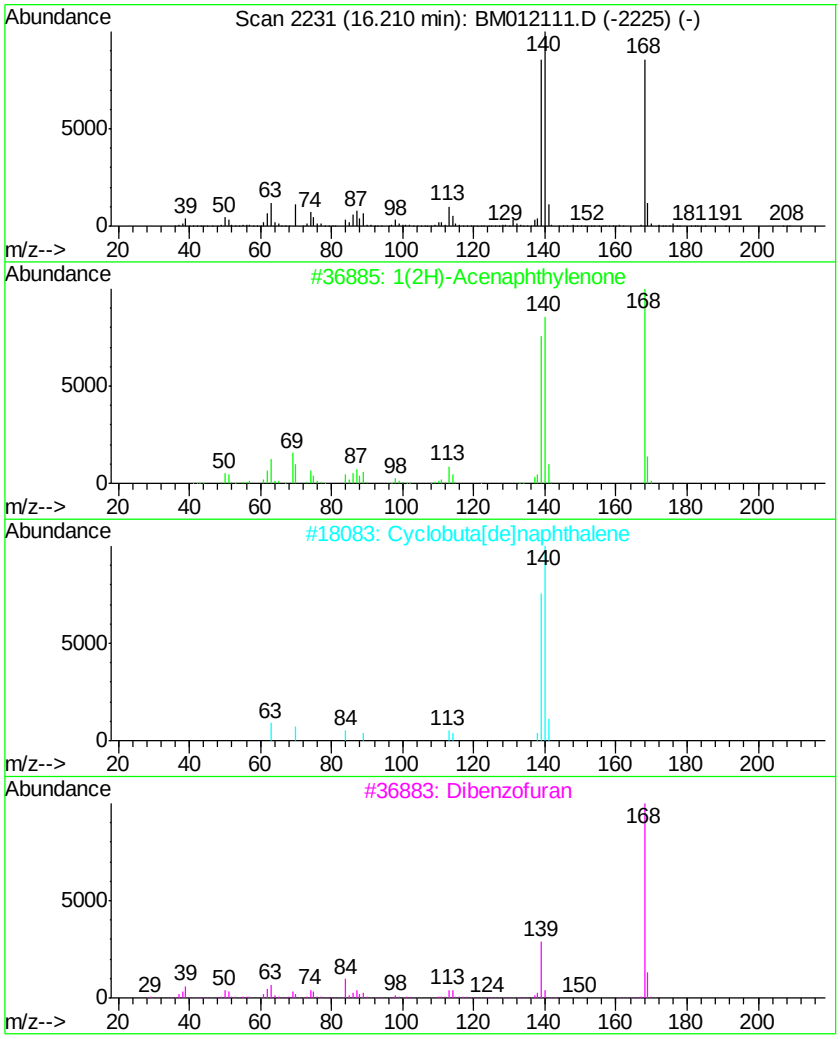
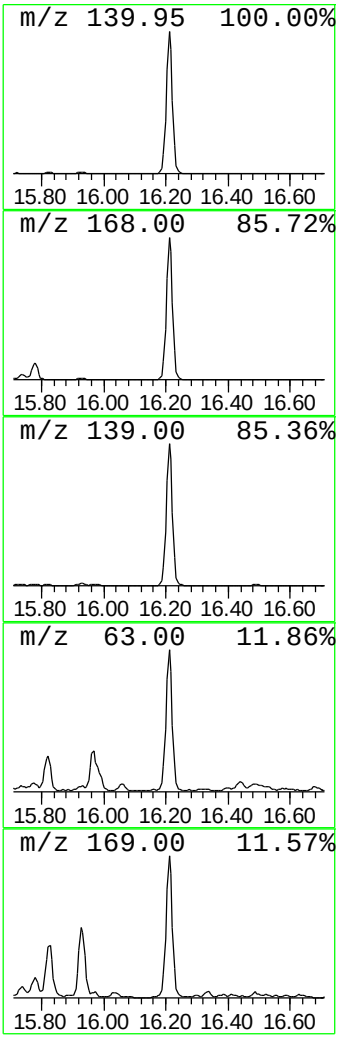
Peak Number 27 1(2H)-Acenaphthylenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	29.37 ng/ul	5525690	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	97
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	64
3	Dibenzofuran	168	C12H8O	000132-64-9	58
4	Benzaldehyde, 2-fluoro-3-hydroxy-	140	C7H5FO2	103438-86-4	49
5	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	47





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Quant Title : SVOA CALIBRATION

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

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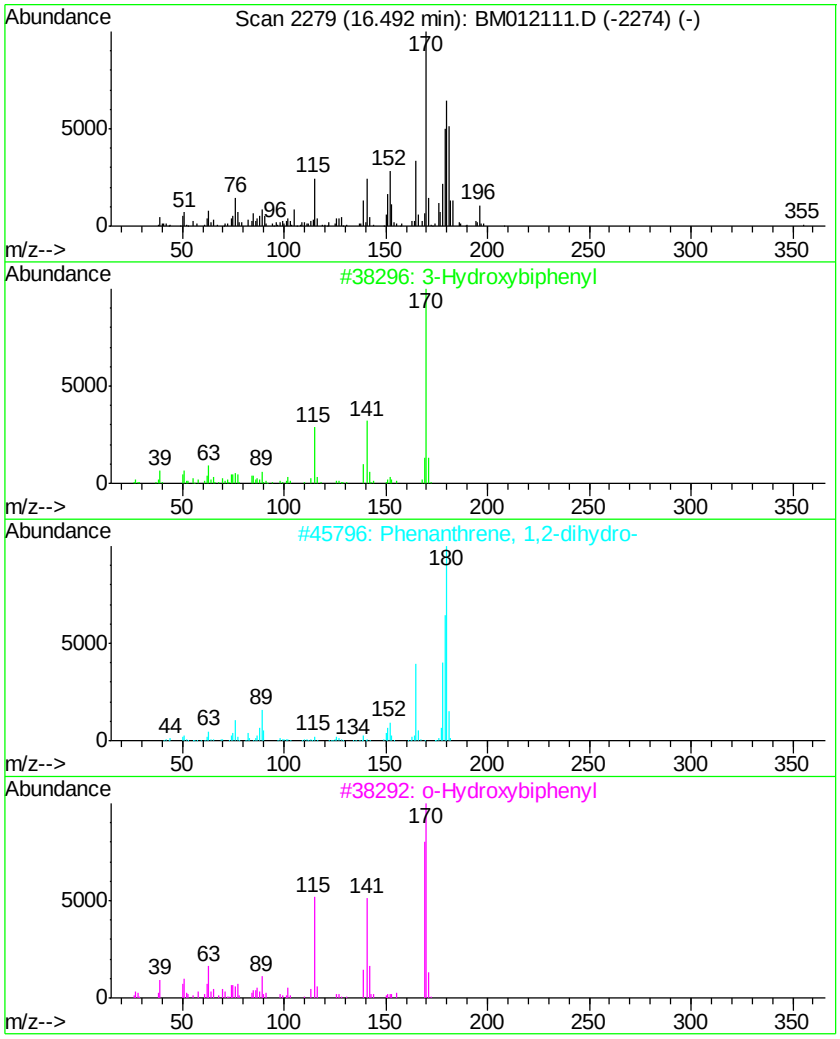
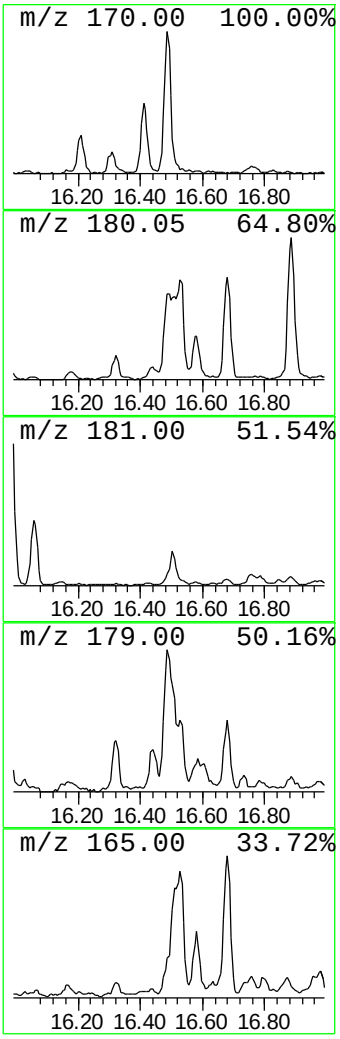
Peak Number 28 3-Hydroxybiphenyl Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	3.01 ng/ul	565546	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxybiphenyl	170	C12H10O	000580-51-8	52
2	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	42
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	38
4	3-Hydroxybiphenyl	170	C12H10O	000580-51-8	38
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	38





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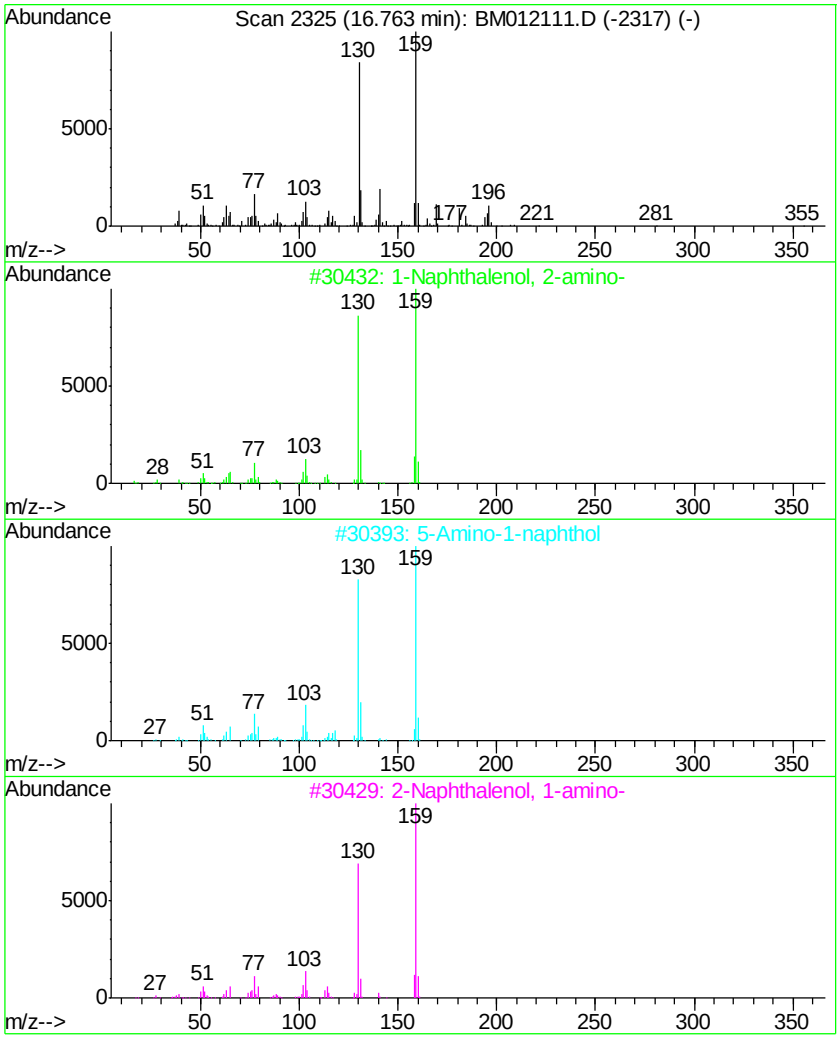
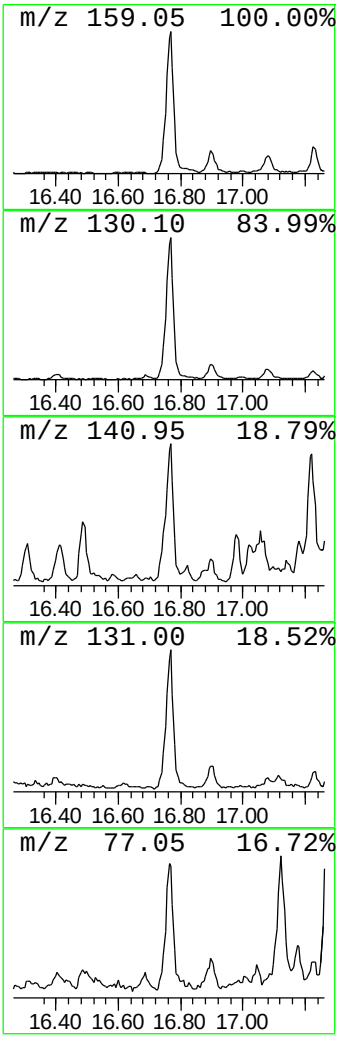
Peak Number 29 1-Naphthalenol, 2-amino- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	5.80 ng/ul	1091730	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	94
2	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	76
3	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	76
4	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	72
5	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	70





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Instrument : BNA_M
ClientSampleId : BD9S0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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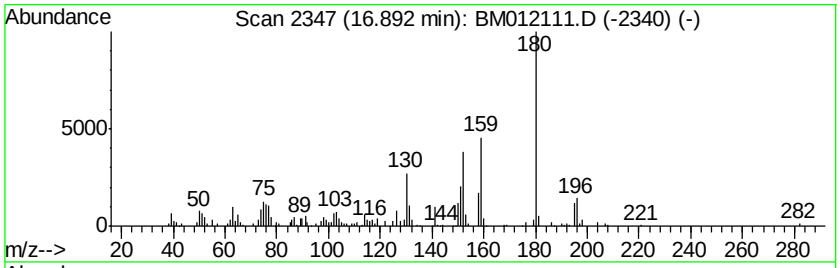
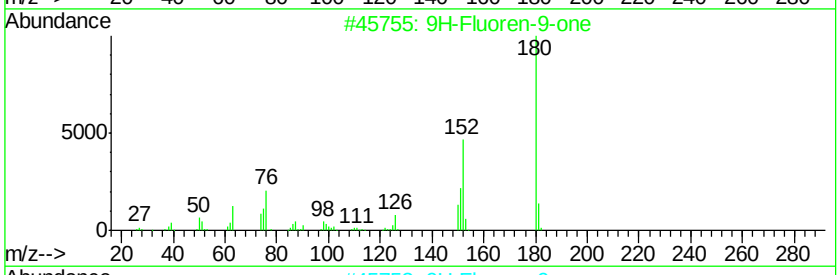
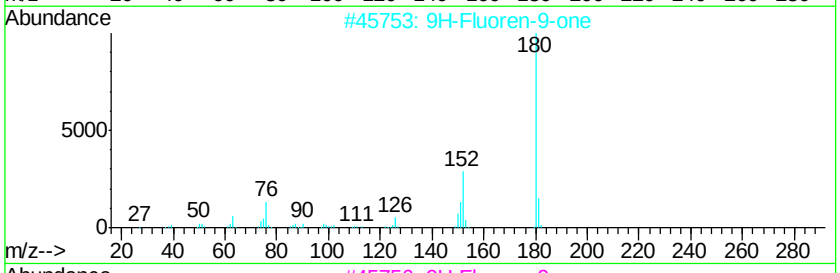
Peak Number 30 9H-Fluoren-9-one Concentration Rank 46

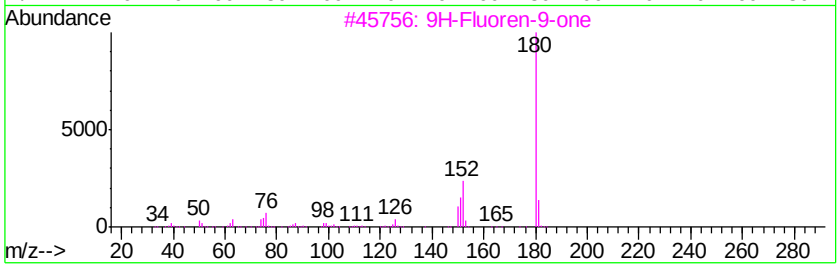
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.16 ng/ul	406767	Phenanthrene-d10	17.23

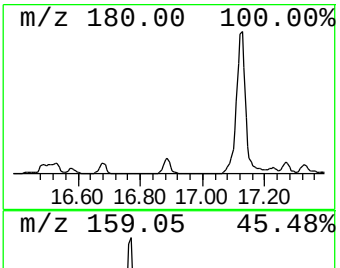
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	Diphenic anhydride	224	C14H8O3	006050-13-1	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53

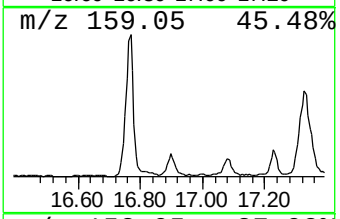


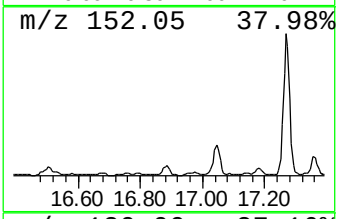


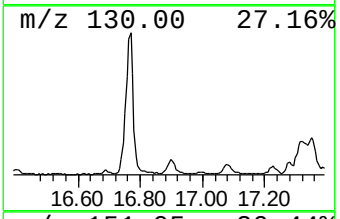


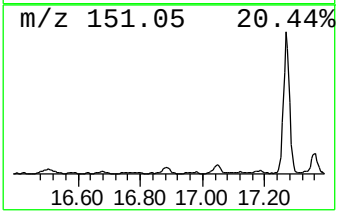












Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012111.D
Acq On : 12 Oct 2017 22:39
Operator : SJ/JU
Sample : I5772-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD9S0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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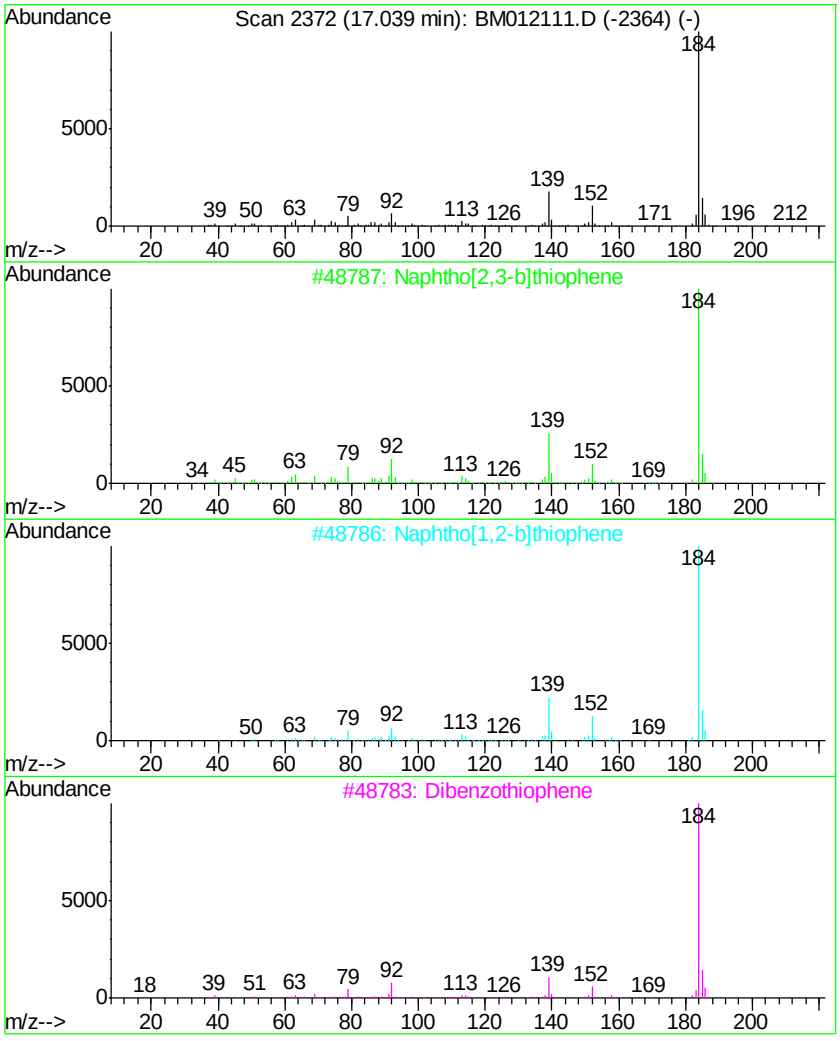
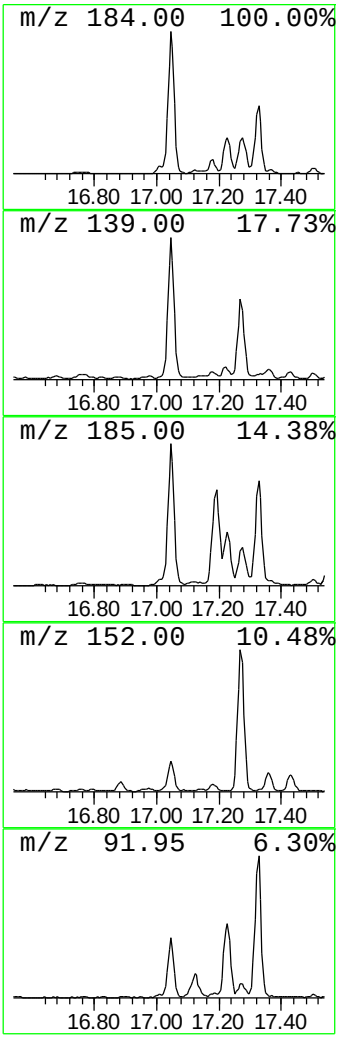
Peak Number 31 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	10.65 ng/ul	2004420	Phenanthrene-d10	17.23

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012111.D
Acq On : 12 Oct 2017 22:39
Operator : SJ/JU
Sample : I5772-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD9S0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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	8.20	12.5	ng/ul	888073	1	7.83	1419550	20.0
Benzene, 1-propynyl-	8.37	7.6	ng/ul	538598	1	7.83	1419550	20.0
Benzofuran, 7-met...	9.19	9.5	ng/ul	673916	1	7.83	1419550	20.0
Benzofuran, 2-met...	9.31	6.7	ng/ul	769249	2	10.63	2285300	20.0
Cinnamaldehyde, (E)-	9.37	3.0	ng/ul	348822	2	10.63	2285300	20.0
1-Phenyl-1-butene	9.87	2.5	ng/ul	279618	2	10.63	2285300	20.0
Benzene, 2-etheny...	10.03	6.4	ng/ul	733162	2	10.63	2285300	20.0
Benzonitrile, 4-(...	10.87	2.8	ng/ul	323118	2	10.63	2285300	20.0
2-Propenal, 2-met...	11.05	2.4	ng/ul	278518	2	10.63	2285300	20.0
1H-Indene, 2,3-di...	11.55	2.2	ng/ul	251280	2	10.63	2285300	20.0
Benzo[b]thiophene...	11.75	25.5	ng/ul	2915860	2	10.63	2285300	20.0
Benzo[b]thiophene...	12.19	9.1	ng/ul	1037020	2	10.63	2285300	20.0
Naphthalene, 1-me...	12.52	35.1	ng/ul	4006020	2	10.63	2285300	20.0
Naphthalene, 2-et...	13.53	3.6	ng/ul	645170	3	14.48	3574490	20.0
2,5-Dimethylthiop...	13.65	2.9	ng/ul	520679	3	14.48	3574490	20.0
Naphthalene, 2,3-...	13.80	17.0	ng/ul	3033200	3	14.48	3574490	20.0
Naphthalene, 2,7-...	14.07	2.9	ng/ul	523390	3	14.48	3574490	20.0
Ethanone, 1-(2,4,...	14.79	5.0	ng/ul	891159	3	14.48	3574490	20.0
1H-Indene-5-carbo...	14.96	2.1	ng/ul	374846	3	14.48	3574490	20.0
Naphthalene, 2,3,...	15.09	3.1	ng/ul	563509	3	14.48	3574490	20.0
6-Hydroxy-1-napht...	15.19	4.2	ng/ul	743966	3	14.48	3574490	20.0
Fluorene, 2,4a-di...	15.69	2.5	ng/ul	455415	3	14.48	3574490	20.0
9H-Fluoren-9-ol	15.82	10.8	ng/ul	1925130	3	14.48	3574490	20.0
[1,1'-Biphenyl]-4...	15.97	15.1	ng/ul	2831360	4	17.23	3762550	20.0
Dibenzofuran, 4-m...	16.06	2.0	ng/ul	381641	4	17.23	3762550	20.0
1(2H)-Acenaphthyl...	16.21	29.4	ng/ul	5525690	4	17.23	3762550	20.0
3-Hydroxybiphenyl	16.49	3.0	ng/ul	565546	4	17.23	3762550	20.0
1-Naphthalenol, 2...	16.76	5.8	ng/ul	1091730	4	17.23	3762550	20.0
9H-Fluoren-9-one	16.89	2.2	ng/ul	406767	4	17.23	3762550	20.0
Naphtho[2,3-b]thi...	17.04	10.7	ng/ul	2004420	4	17.23	3762550	20.0