LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

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-BM113017.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	6.857	632	641	647	rBV	1153791	2154552	1.89%	0.265%
2	7.022	662	669	674	rBV	897944	1395101	1.23%	0.172%
3	7.210	695	701	709	rVB	1230207	1912265	1.68%	0.235%
4	7.675	772	780	794	rBV	1093422	1802207	1.58%	0.222%
5	8.045	835	843	851	rVB	1025475	1646962	1.45%	0.203%
6	8.204	864	870	879	rVB	1384879	2215524	1.95%	0.273%
7	8.386	893	901	908	rBV	1544102	2540179	2.23%	0.313%
8	8.834	971	977	984	rBV2	1286048	2237531	1.97%	0.276%
9	9.551	1087	1099	1104	rBV	1120701	1920886	1.69%	0.237%
10	9.857	1137	1151	1162	rBV3	670095	1954312	1.72%	0.241%
11	10.086	1183	1190	1198	rVB	1631276	2767966	2.43%	0.341%
12	10.463	1244	1254	1256	rBV	1214132	2377049	2.09%	0.293%
13	10.539	1256	1267	1272	rVV2	44543671	98517705	86.55%	12.132%
14	10.604	1272	1278	1279	rVV	934879	1516619	1.33%	0.187%
15	10.633	1279	1283	1293	rVB	2095181	3546759	3.12%	0.437%
16	12.133	1527	1538	1544	rVB	20298186	33257772	29.22%	4.095%
17	12.351	1564	1575	1583	rVB	10917575	17724086	15.57%	2.183%
18	13.151	1704	1711	1716	rVB	4824329	7200063	6.33%	0.887%
19	13.345	1738	1744	1755	rVB	2234534	4303837	3.78%	0.530%
20	13.480	1758	1767	1768	rBV	3470861	4971778	4.37%	0.612%
21	13.639	1787	1794	1799	rVV	5363849	9568823	8.41%	1.178%
22	13.692	1799	1803	1807	rVV	3640656	5392611	4.74%	0.664%
23	13.739	1807	1811	1815	rVV	2742995	4099327	3.60%	0.505%
24	13.786	1815	1819	1827	rVV2	1023715	1761184	1.55%	0.217%
25	13.880	1827	1835	1838	rVV	2390629	3830144	3.36%	0.472%
26	14.016	1852	1858	1860	rBV	3086402	4933736	4.33%	0.608%
27	14.039	1860	1862	1870	rVB	3045002	4013638	3.53%	0.494%
28	14.304	1899	1907	1915	rBV3	3135360	7250577	6.37%	0.893%
29	14.398	1915	1923	1929	rVV	23372691	35406597	31.10%	4.360%
30	14.457	1929	1933	1939	rVB	888748	1394063	1.22%	0.172%
31	14.539	1939	1947	1954	rBV4	2012966	4223521	3.71%	0.520%
32	14.633	1954	1963	1967	rVV4	1206289	2473821	2.17%	0.305%
33	14.733	1973	1980	1986	rVB	17176034	26359243	23.16%	3.246%
34	14.798	1986	1991	1994	rBV	1560898	2259239	1.98%	0.278%

LSC Area Percent Report

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Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

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-BM113017.M
Title : SVOA CALIBRATION

35	14.833	1994	1997	2008	rVB	1278577	2074106	1.82%	0.255%
36	14.939	2008	2015	2020	rBV2	1238929	2393710	2.10%	0.295%
37	14.998	2020	2025	2029	rVB	1241437	1683175	1.48%	0.207%
38	15.115	2037	2045	2048	rBV	1000151	2001010	1.76%	0.246%
39	15.321	2073	2080	2084	rVV2	4132024	6941974	6.10%	0.855%
40	15.386	2084	2091	2100	rVV	23823341	36388233	31.97%	4.481%
41	15.468	2100	2105	2108	rVV	2046407	3170193	2.79%	0.390%
42	15.498	2108	2110	2113	rVV	1951753	2679759	2.35%	0.330%
43	15.539	2113	2117	2121	rVV2	3302054	5038429	4.43%	0.620%
44	15.586	2121	2125	2128	rVV4	1306547	2144281	1.88%	0.264%
45	15.621	2128	2131	2135	rVV	1590868	2497252	2.19%	0.308%
46	15.668	2135	2139	2148	rVB	3902187	5853386	5.14%	0.721%
47	15.815	2155	2164	2172	rVV2	3914672	8808337	7.74%	1.085%
48	15.904	2172	2179	2185	rVB2	852780	1880419	1.65%	0.232%
49	16.039	2194	2202	2211	rVB5	1217098	3143446	2.76%	0.387%
50	16.168	2217	2224	2230	rBV3	1830975	3103043	2.73%	0.382%
51	16.268	2230	2241	2245	rBV5	1072132	2542804	2.23%	0.313%
52	16.380	2249	2260	2265	rVV3	2867946	6666625	5.86%	0.821%
53	16.427	2265	2268	2274	rVB2	1332251	1861528	1.64%	0.229%
54	16.527	2279	2285	2290	rVB2	1303560	2100907	1.85%	0.259%
55	16.610	2296	2299	2302	rVV2	946622	1316487	1.16%	0.162%
56	16.645	2302	2305	2309	rVB2	1051914	1435786	1.26%	0.177%
57	16.809	2327	2333	2341	rVV5	1507983	4459070	3.92%	0.549%
58	16.892	2341	2347	2357	rVB	6069194	9493458	8.34%	1.169%
59	17.080	2374	2379	2380	rBV	1934367	2650307	2.33%	0.326%
60	17.145	2380	2390	2394	rVV2	56664002	113830902	100.00%	14.018%
61	17.186	2394	2397	2399	rVV2	4719262	6362533	5.59%	0.784%
62	17.215	2399	2402	2407	rVV	10898554	13785827	12.11%	1.698%
63	17.268	2407	2411	2416	rVB2	797674	1461557	1.28%	0.180%
64	17.486	2442	2448	2459	rVV	8183984	12733081	11.19%	1.568%
65	17.592	2459	2466	2470	rVV2	1075447	2418422	2.12%	0.298%
66	17.645	2470	2475	2485	rVV4	1169963	2623451	2.30%	0.323%
67	17.792	2495	2500	2511	rBV2	858365	1864884	1.64%	0.230%
68	17.951	2522	2527	2530	rVV	5530003	7903983	6.94%	0.973%
69	17.998	2530	2535	2542	rVB	8257978	12921557	11.35%	1.591%
70	18.080	2542	2549	2554	rBV2	2877897	4463309	3.92%	0.550%
71	18.151	2554	2561	2564	rBV3	8902125	14826726	13.03%	1.826%

LSC Area Percent Report

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Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

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-BM113017.M
Title : SVOA CALIBRATION

72	18.180	2564	2566	2572	rVB	2842496	3310582	2.91%	0.408%
73	18.256	2572	2579	2583	rBV4	717782	1590539	1.40%	0.196%
74	18.451	2607	2612	2617	rVV	3825211	4749713	4.17%	0.585%
75	18.786	2665	2669	2673	rVB3	876352	1284176	1.13%	0.158%
76	18.868	2677	2683	2688	rBV	1667569	3053871	2.68%	0.376%
77	19.151	2723	2731	2735	rBV2	33686191	51448183	45.20%	6.336%
78	19.480	2780	2787	2788	rBV2	9043567	13208546	11.60%	1.627%
79	19.509	2788	2792	2799	rVV	21440245	33536648	29.46%	4.130%
80	19.568	2799	2802	2809	rVB2	1249009	2004329	1.76%	0.247%
81	19.680	2816	2821	2827	rVB	1270100	1768469	1.55%	0.218%
82	19.821	2840	2845	2852	rBV4	1285553	3093917	2.72%	0.381%
83	19.956	2863	2868	2871	rVV2	2141988	3462139	3.04%	0.426%
84	19.998	2871	2875	2881	rVB	4444524	6119866	5.38%	0.754%
85	20.098	2887	2892	2896	rBV	4923727	6239109	5.48%	0.768%
86	20.150	2896	2901	2905	rVV2	1508216	2627621	2.31%	0.324%
87	20.909	3026	3030	3033	rBV2	1405811	1840033	1.62%	0.227%
88	20.945	3033	3036	3039	rVV	1374535	1689219	1.48%	0.208%
89	20.980	3039	3042	3048	rVB3	2023052	2708995	2.38%	0.334%
90	21.250	3082	3088	3093	rVV3	8356992	14716761	12.93%	1.812%
91	21.303	3093	3097	3105	rVB	4817096	6670969	5.86%	0.821%
92	21.415	3112	3116	3123	rBV	1016770	1425765	1.25%	0.176%
93	21.574	3138	3143	3148	rBV2	891659	1382182	1.21%	0.170%
94	21.809	3177	3183	3187	rVV	790939	1275780	1.12%	0.157%
95	21.862	3188	3192	3198	rVB2	837107	1275132	1.12%	0.157%
96	22.821	3349	3355	3360	rBV	1930351	4544948	3.99%	0.560%
97	23.291	3430	3435	3439	rBV	828644	1527708	1.34%	0.188%
98	23.344	3439	3444	3448	rVV2	1984434	3745414	3.29%	0.461%
99	23.386	3448	3451	3459	rVB	1605265	2680979	2.36%	0.330%
100	23.486	3461	3468	3472	rVV	1406736	2626282	2.31%	0.323%

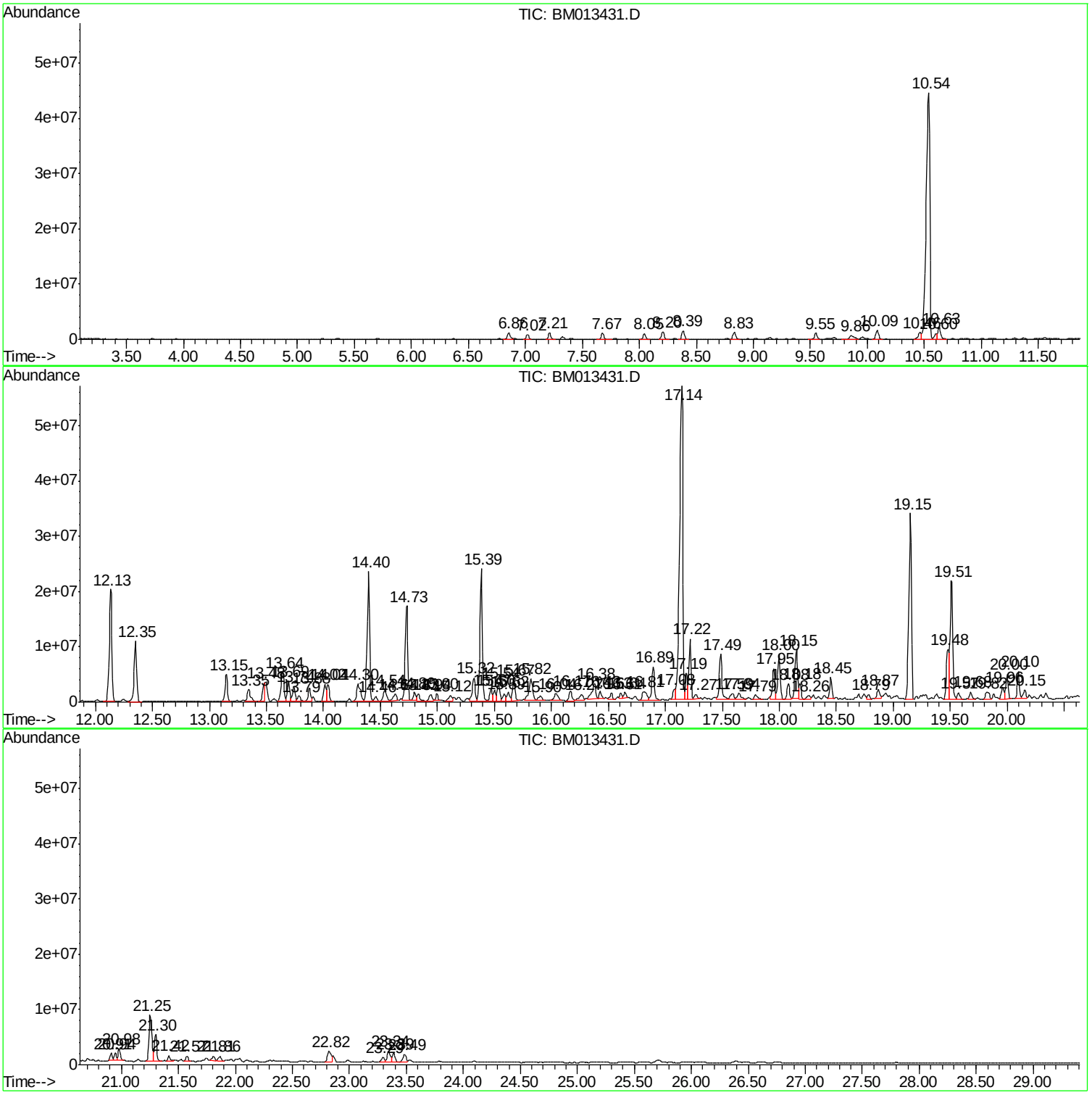
Sum of corrected areas: 812061509

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

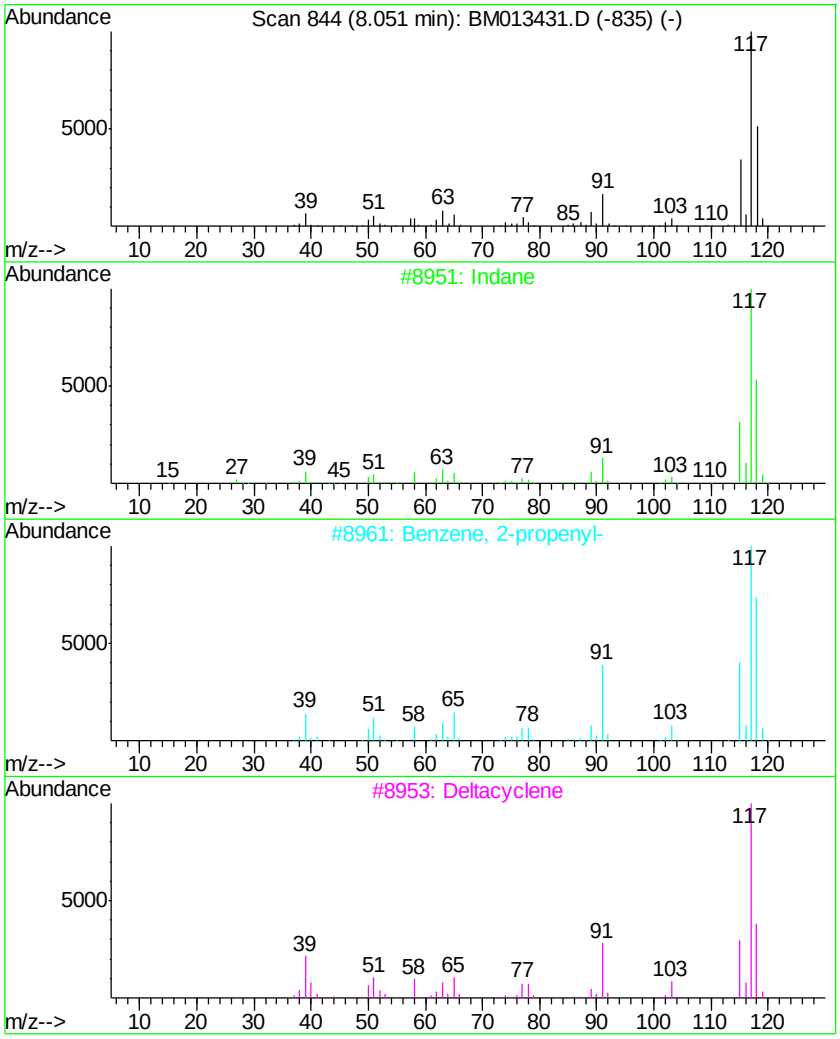
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

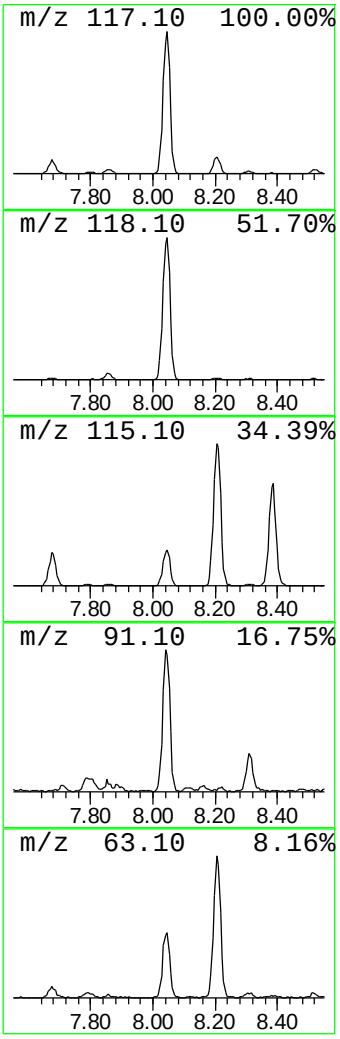
****

Peak Number 1 Indane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	18.28 ng/ul	1646960	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Deltacyclene	118	C9H10	007785-10-6	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

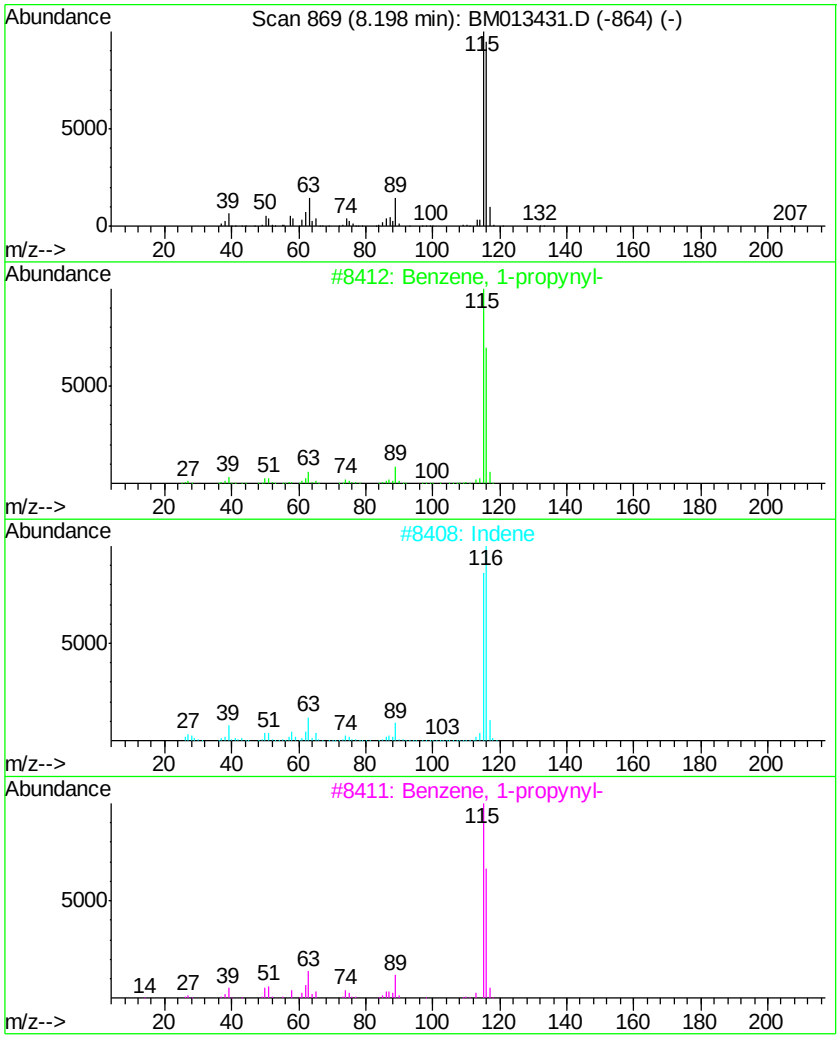
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

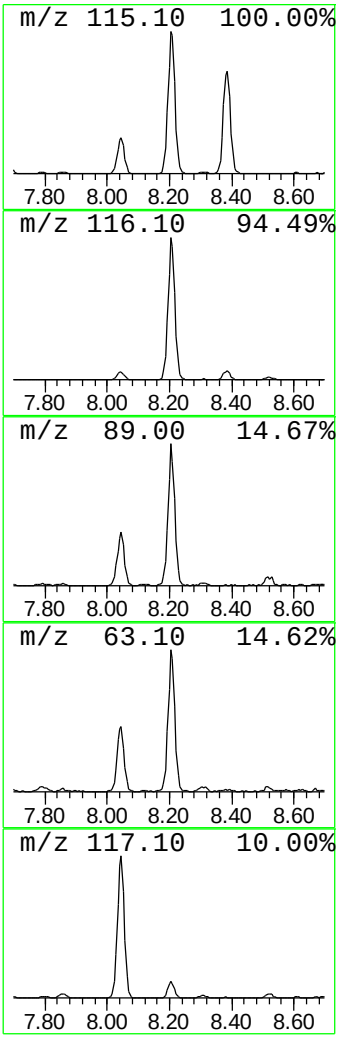
****

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	24.59 ng/ul	2215520	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
2	Indene	116	C9H8	000095-13-6	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
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Acq On : 15 Dec 2017 08:58
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Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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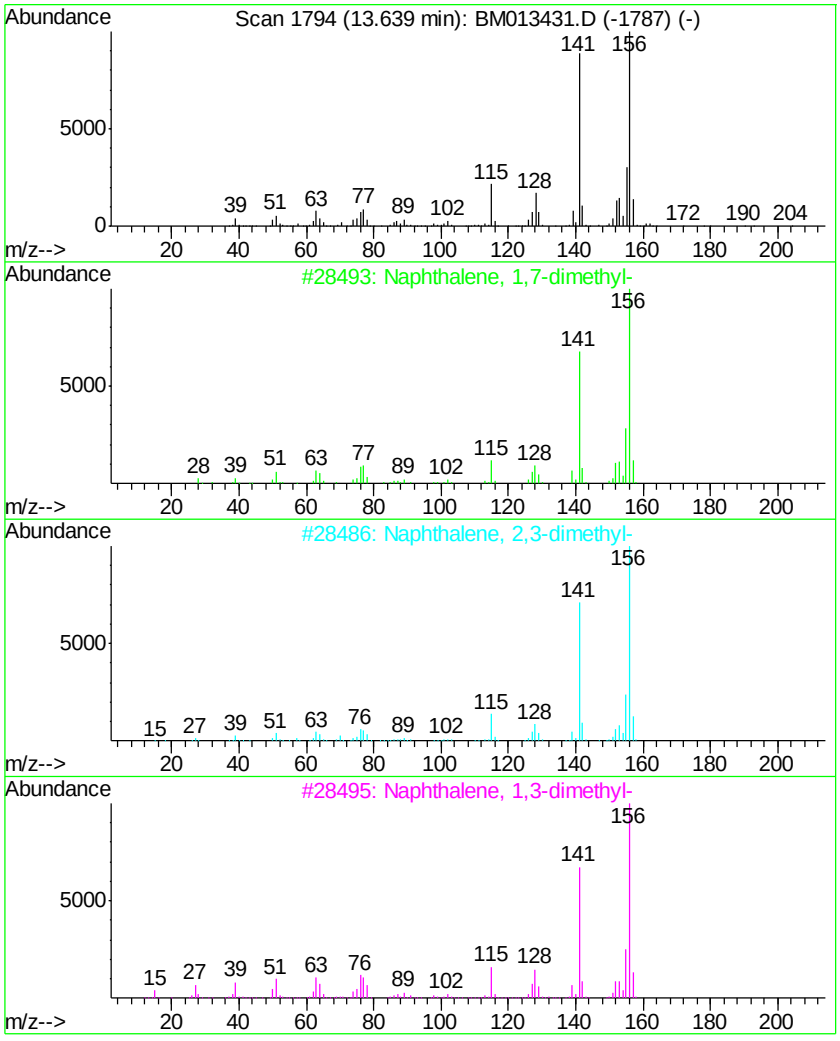
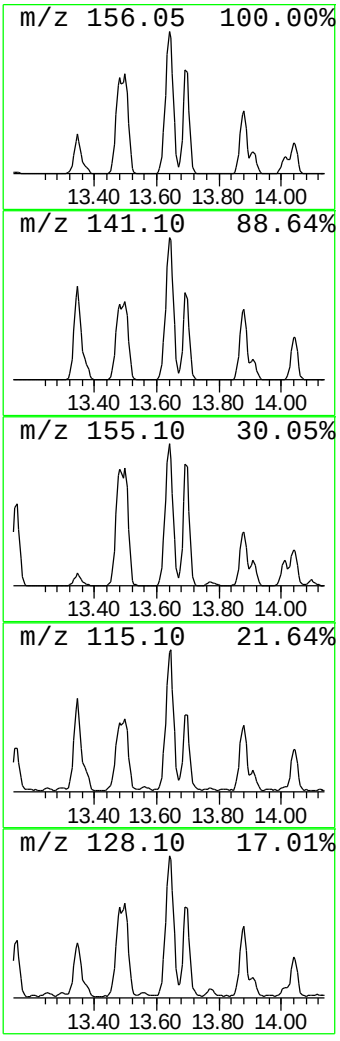
Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	26.39 ng/ul	9568820	Acenaphthene-d10	14.32

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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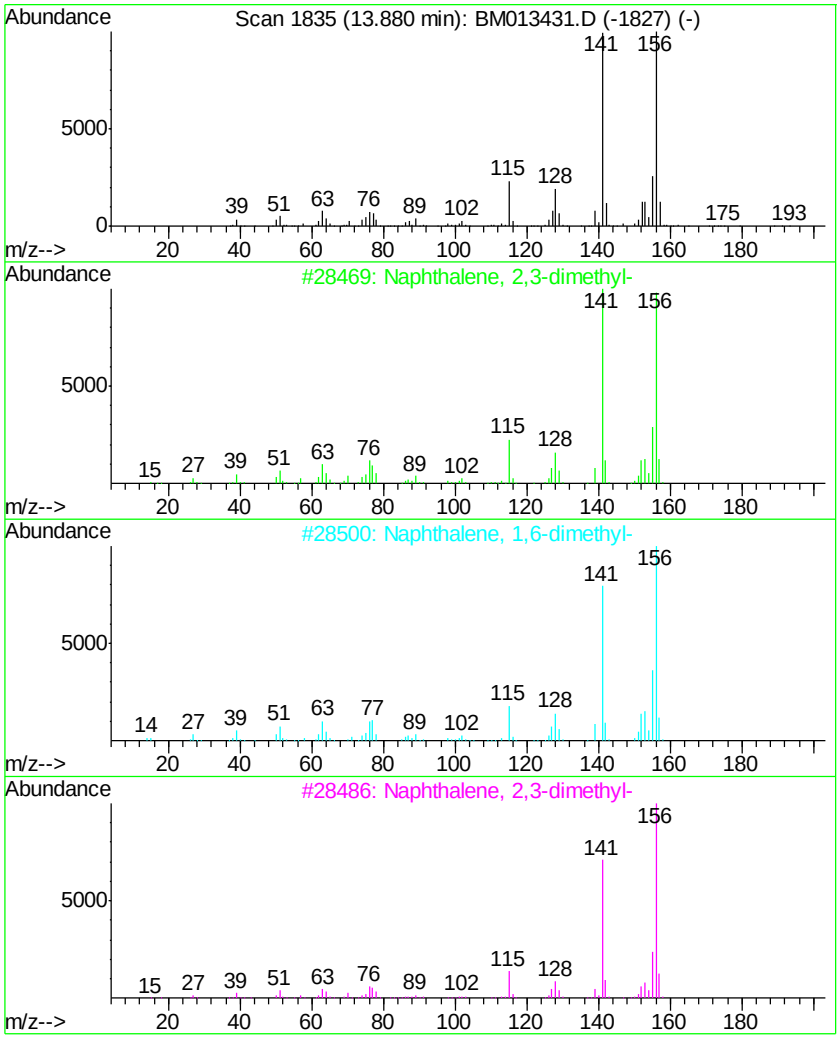
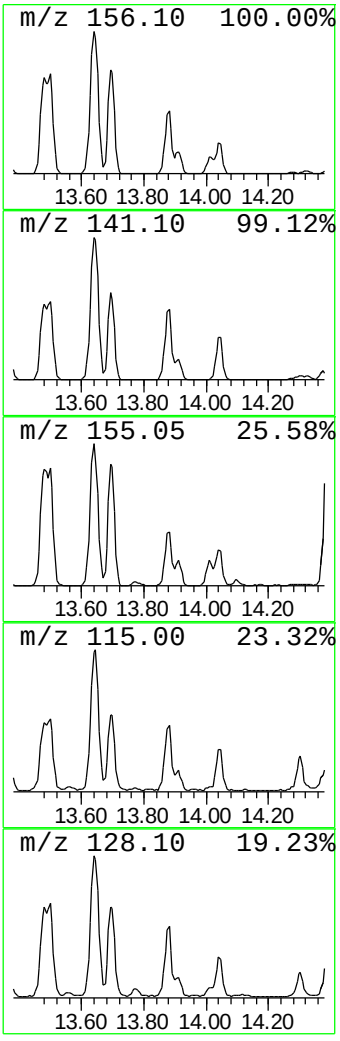
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	10.57 ng/ul	3830140	Acenaphthene-d10	14.32

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, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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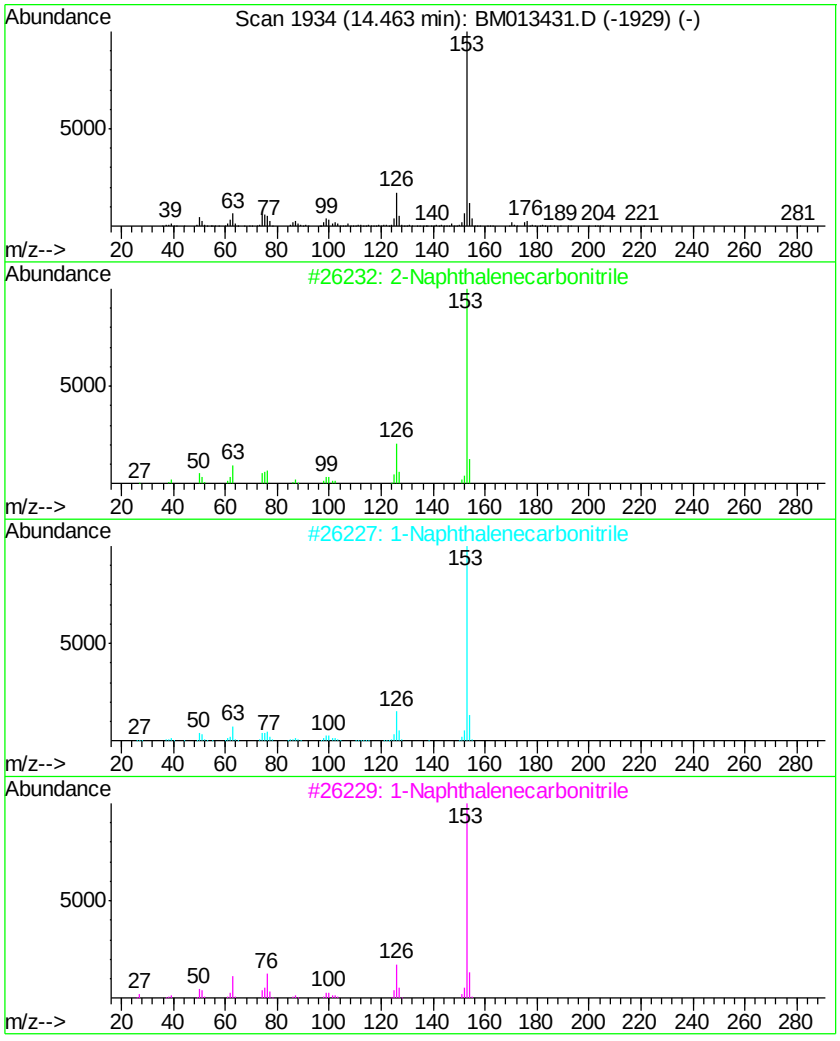
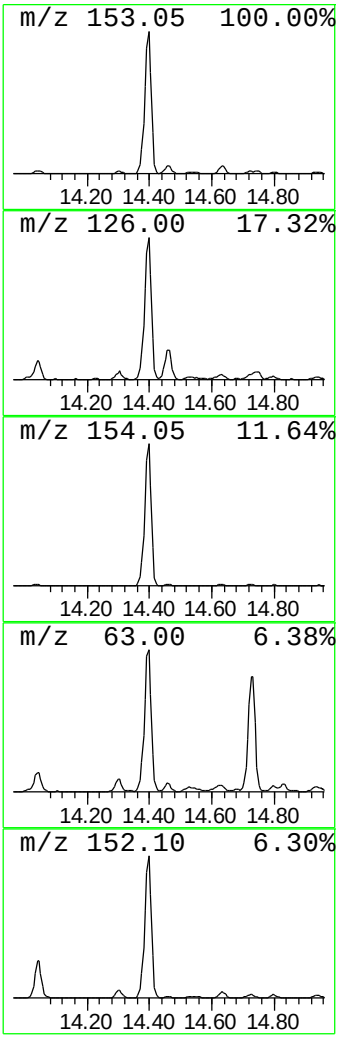
Peak Number 9 2-Naphthalenecarbonitrile Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.85 ng/ul	1394060	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	83
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	81





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Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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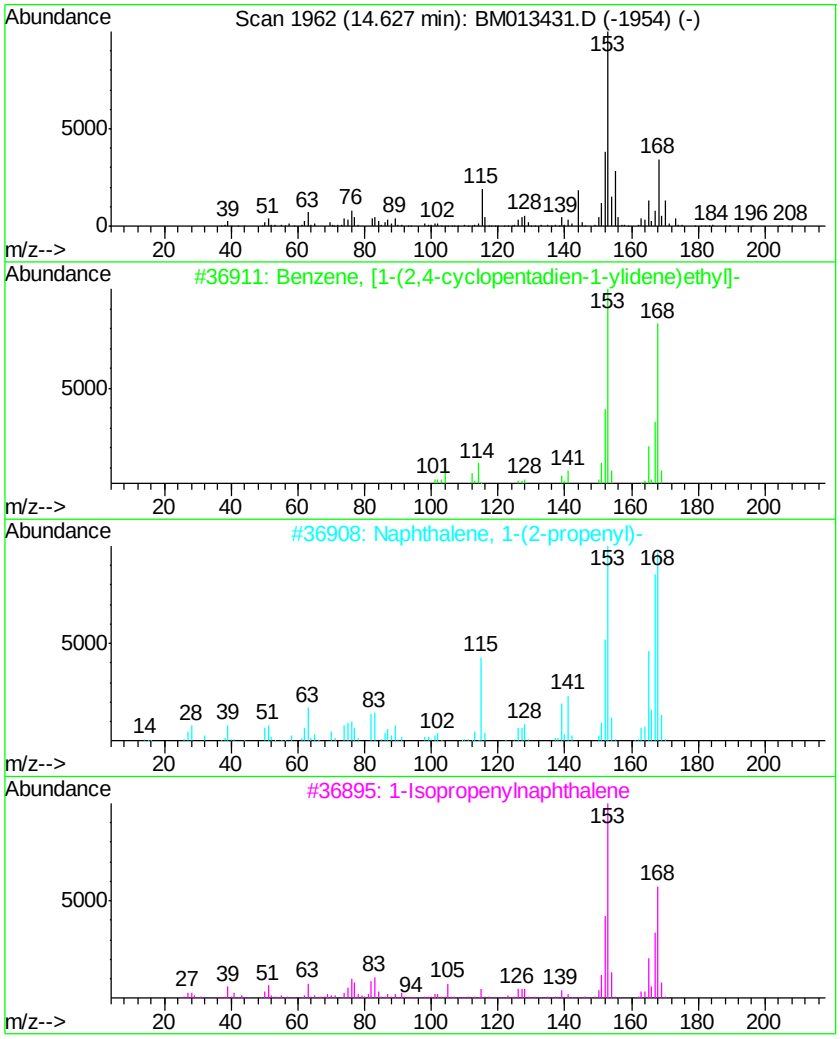
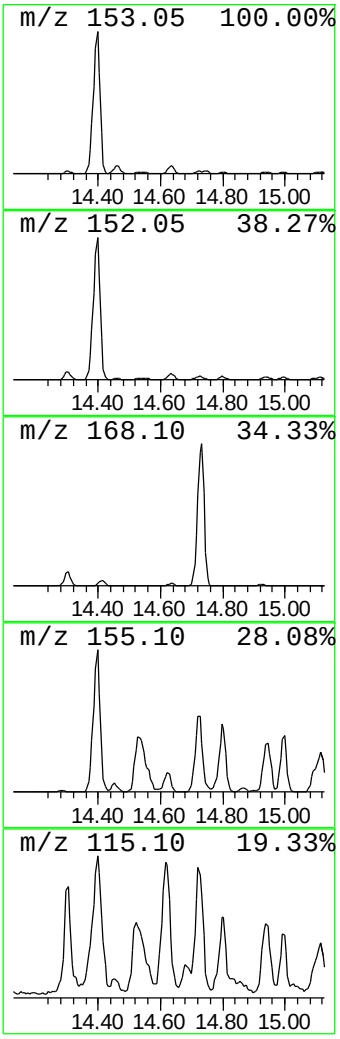
Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	6.82 ng/ul	2473820	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	60
4	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52





Library Search Compound Report

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Sample : I6778-15
Misc :
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Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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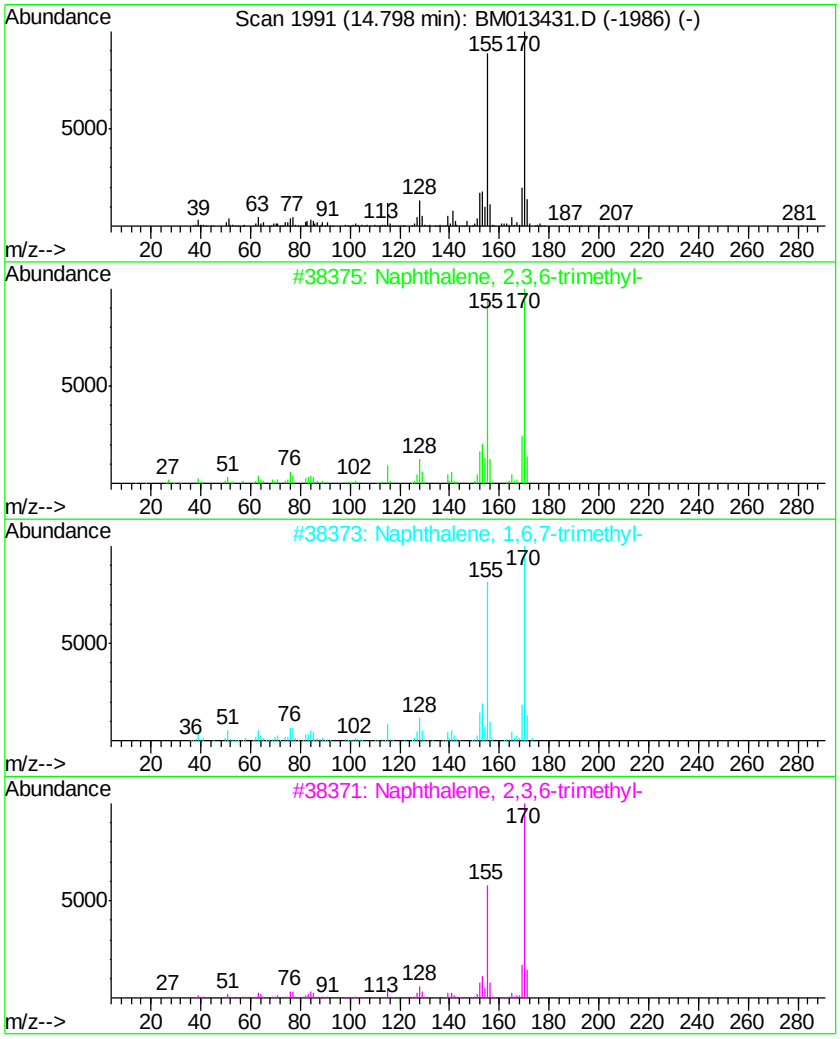
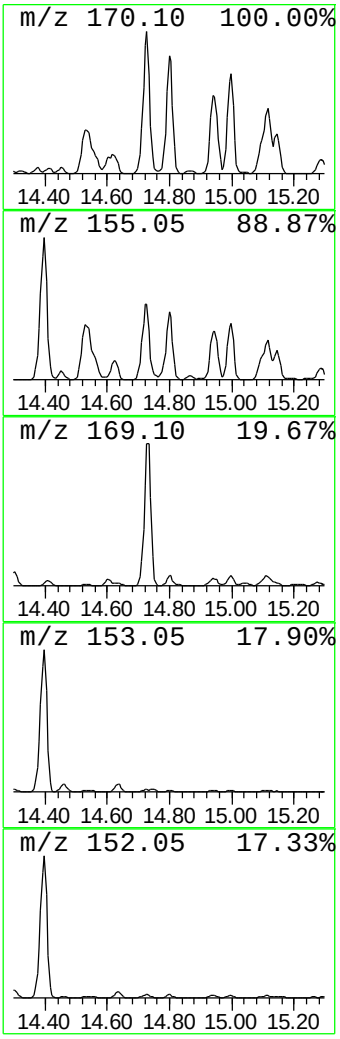
Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	6.23 ng/ul	2259240	Acenaphthene-d10	14.32

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	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

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Quant Title : SVOA CALIBRATION

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

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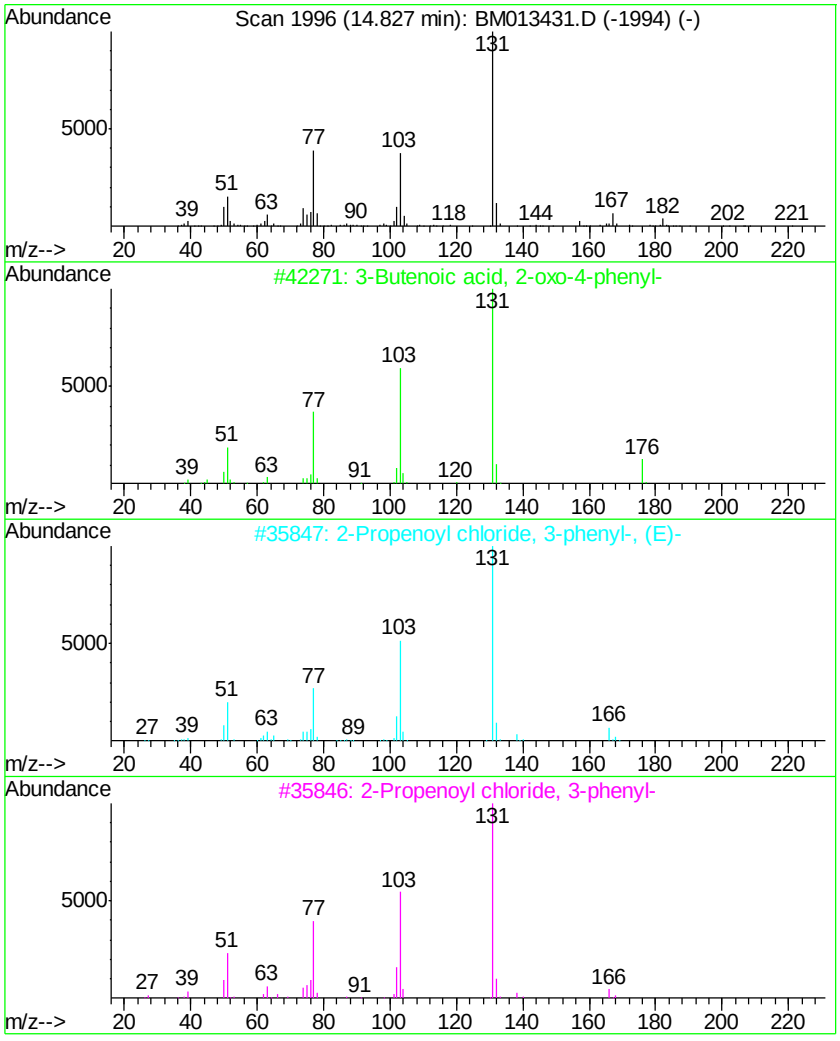
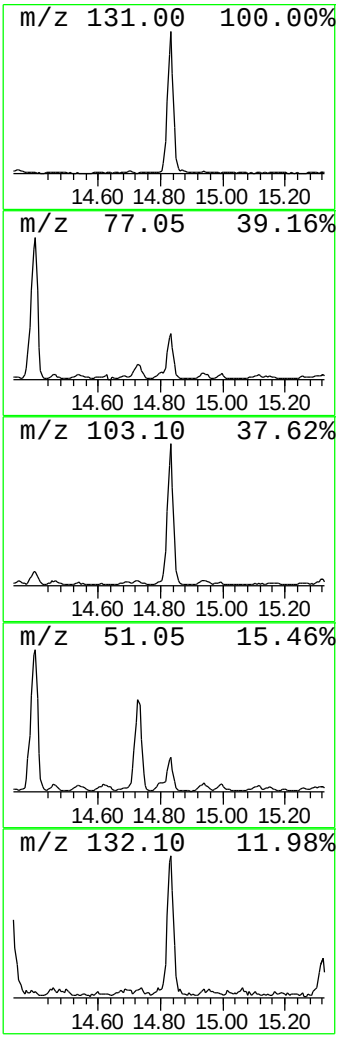
Peak Number 12 3-Butenoic acid, 2-oxo-4-ph... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	5.72 ng/ul	2074110	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid, 2-oxo-4-phenyl-	176	C10H8O3	1000142-21-0	83
2	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	83
3	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	83
4	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	83
5	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	78





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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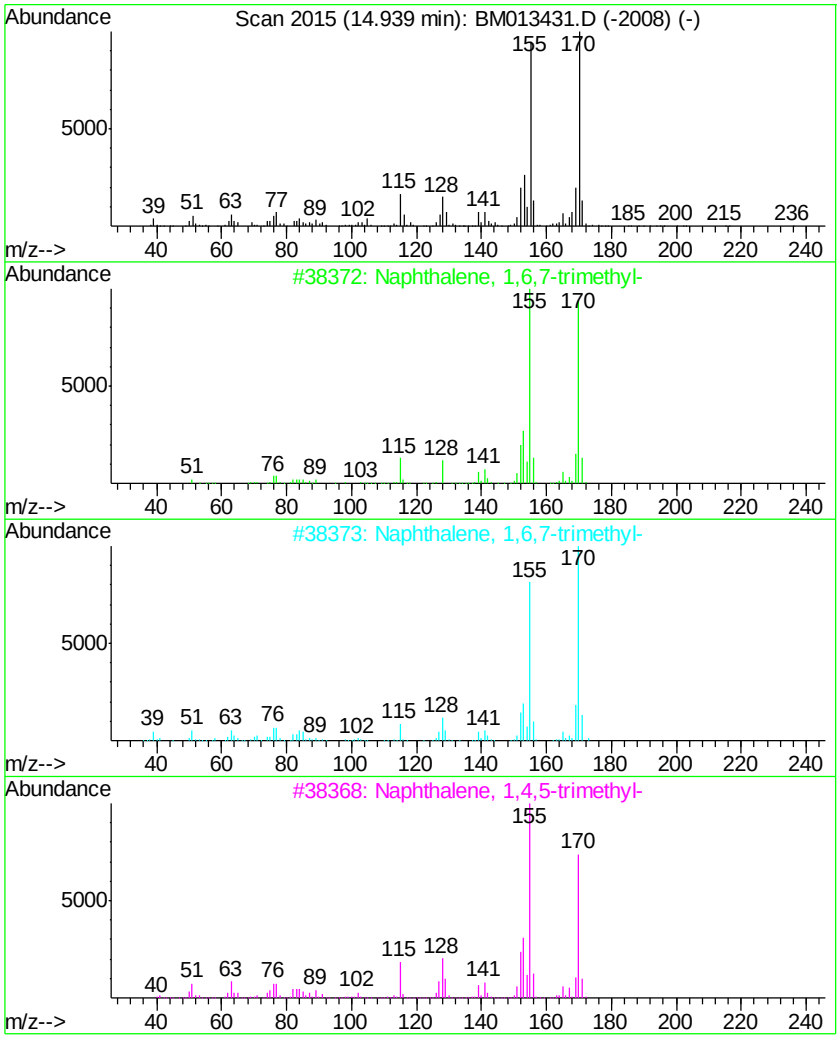
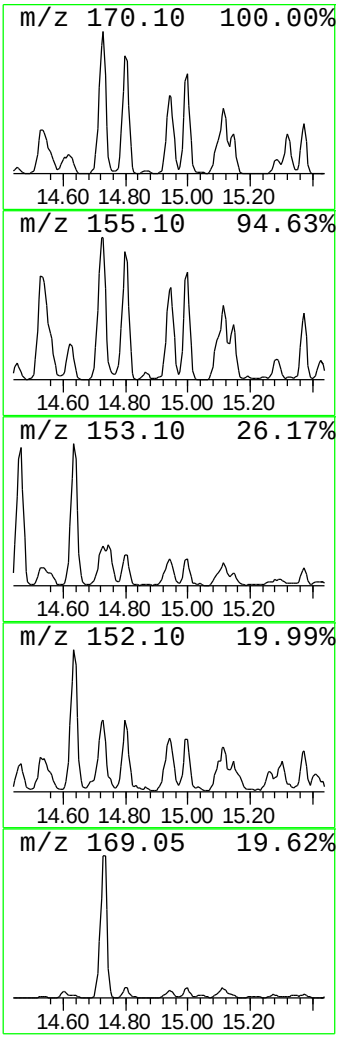
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	6.60 ng/ul	2393710	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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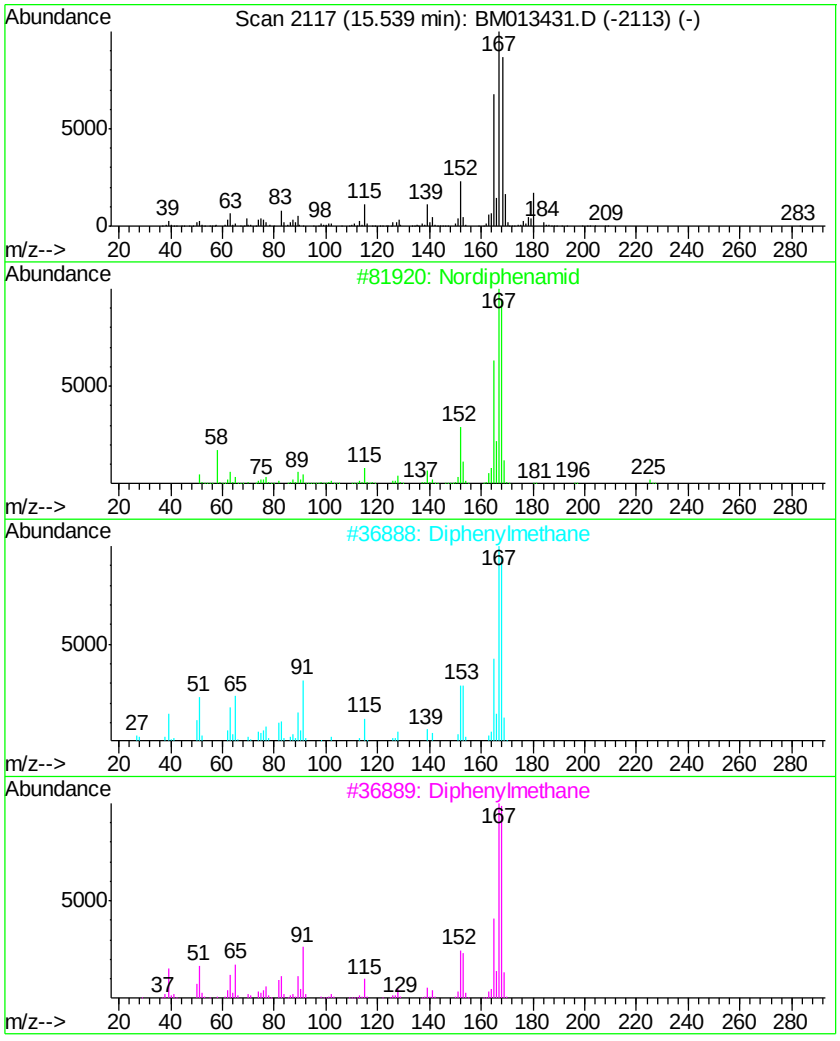
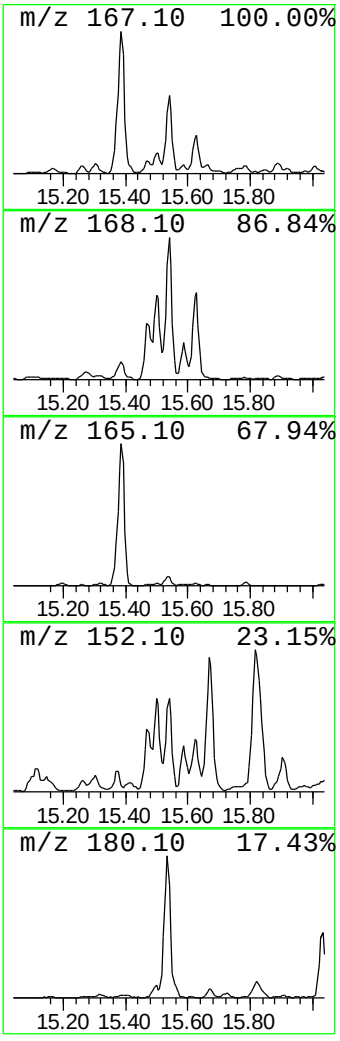
Peak Number 16 Nordiphenamid Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	13.90 ng/ul	5038430	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Diphenylmethane	168	C13H12	000101-81-5	76
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	Diphenylmethane	168	C13H12	000101-81-5	68





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ALS Vial : 29 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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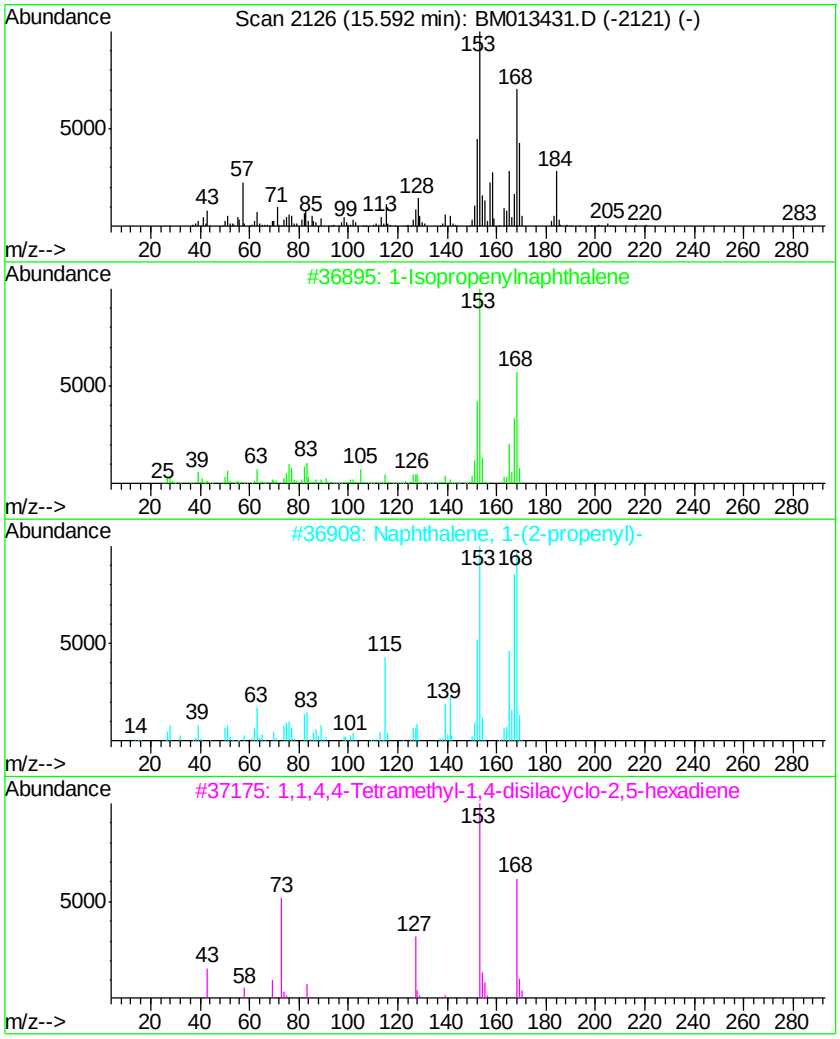
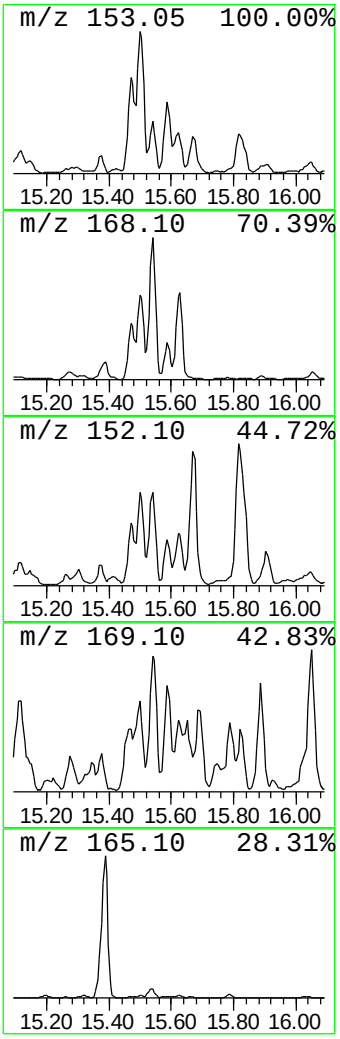
Peak Number 17 1-Isopropenylnaphthalene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	5.91 ng/ul	2144280	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	60
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49
3	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	43
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	38
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	38





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Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

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Quant Title : SVOA CALIBRATION

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

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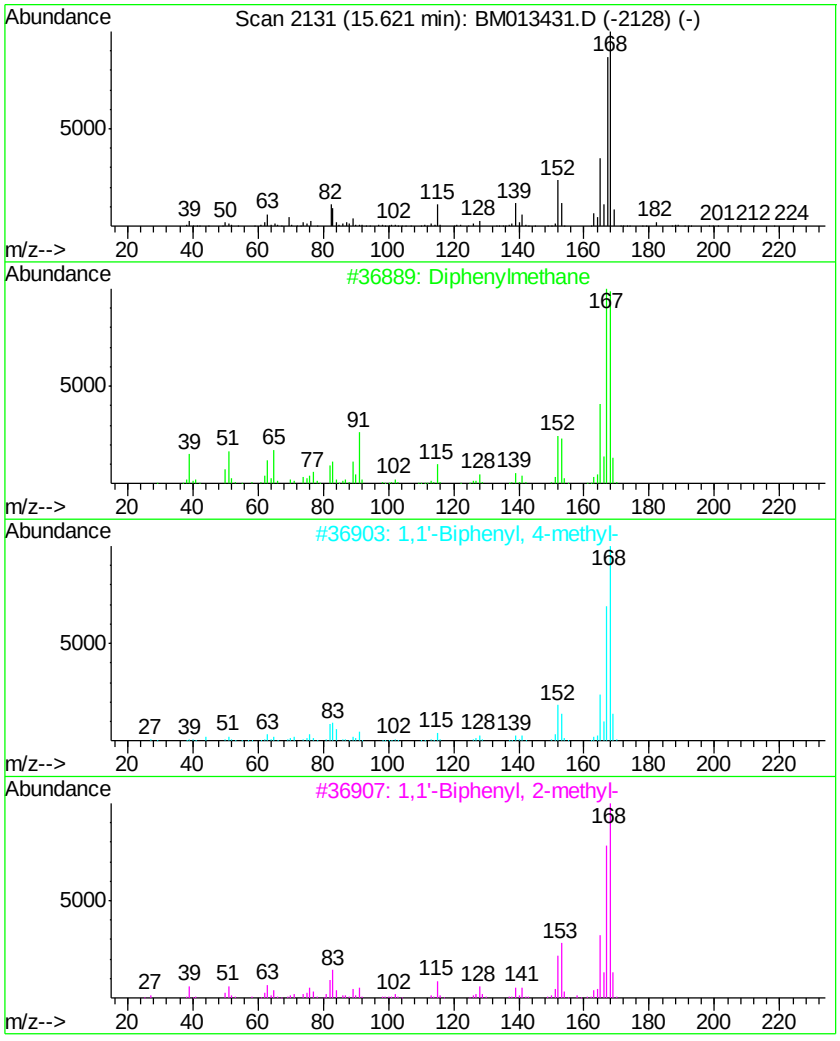
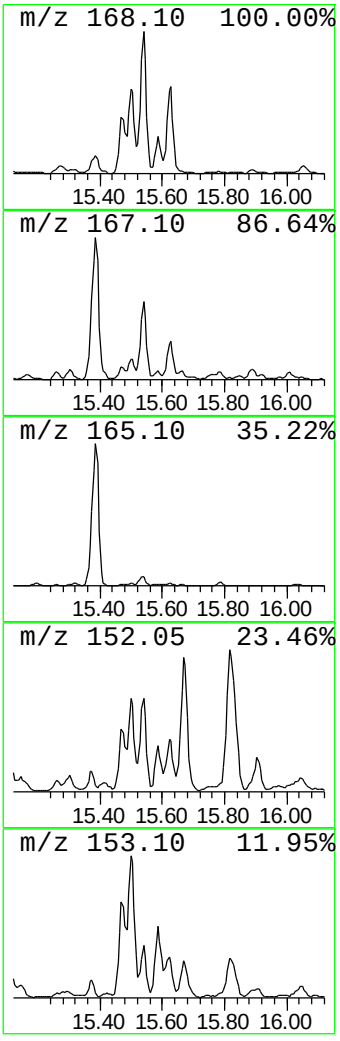
Peak Number 18 Diphenylmethane Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	6.89 ng/ul	2497250	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	72
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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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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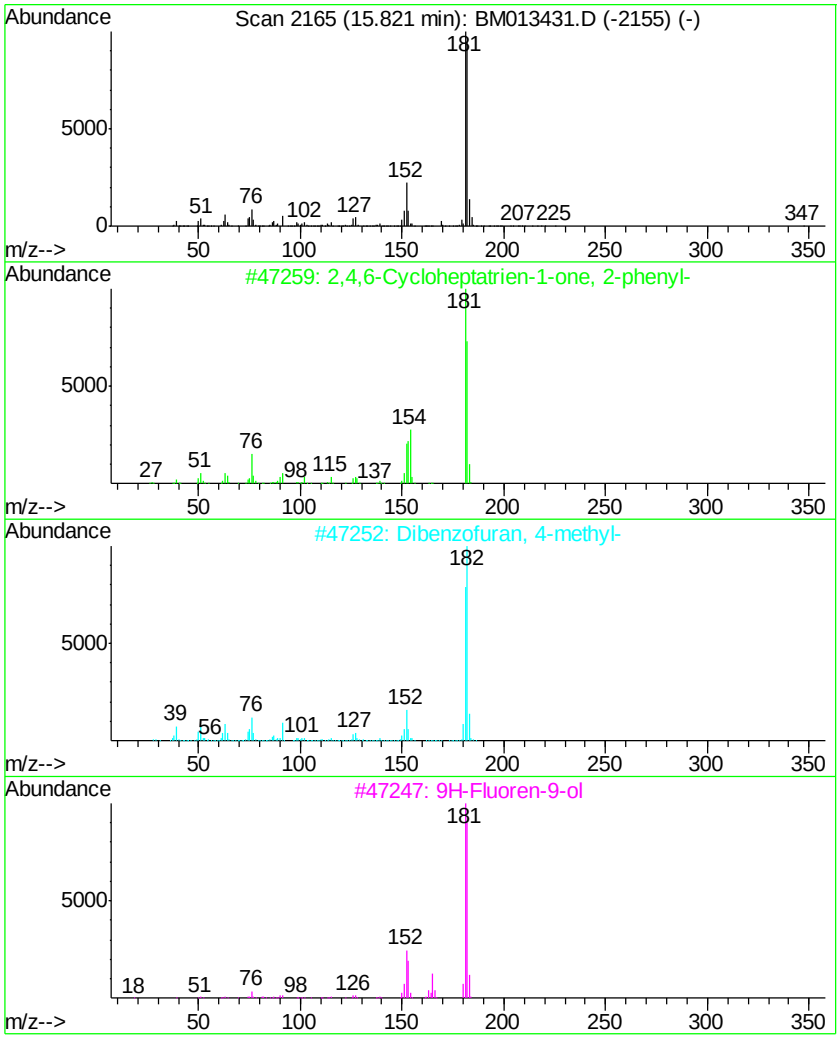
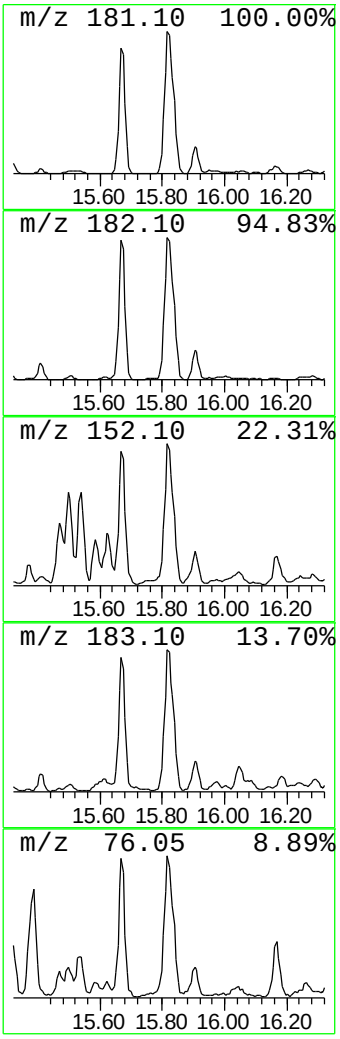
Peak Number 20 2,4,6-Cycloheptatrien-1-one... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	66.47 ng/ul	8808340	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Quant Title : SVOA CALIBRATION

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

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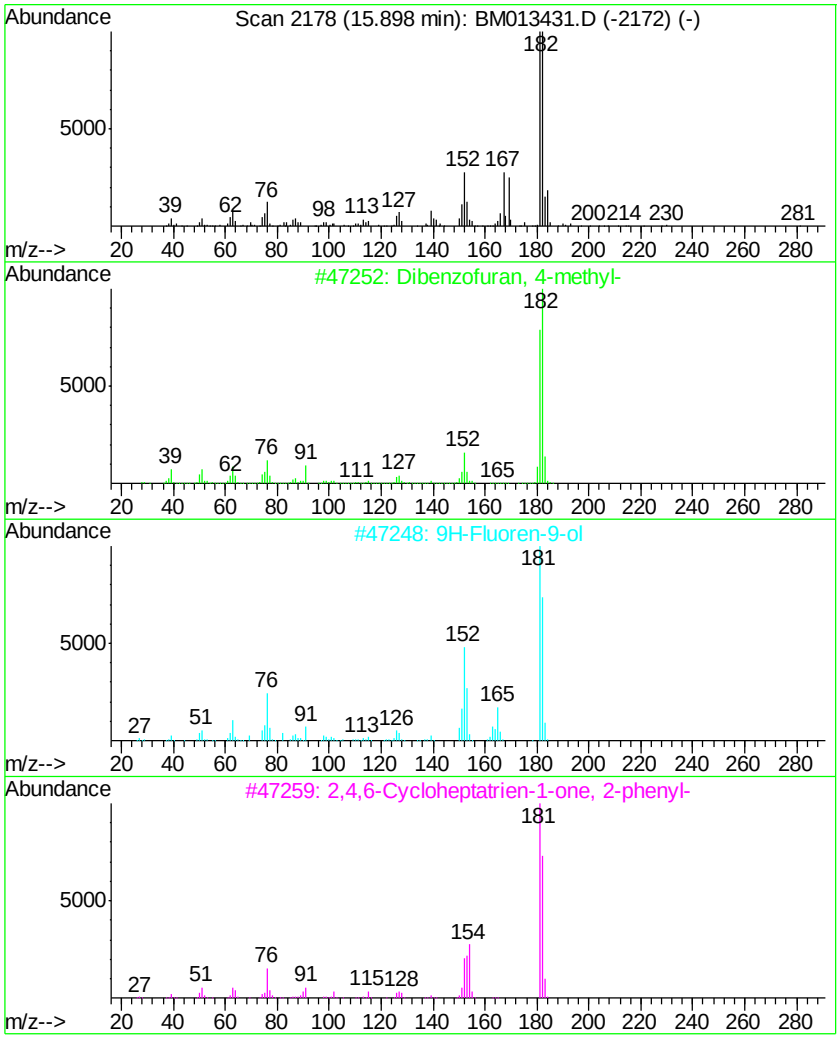
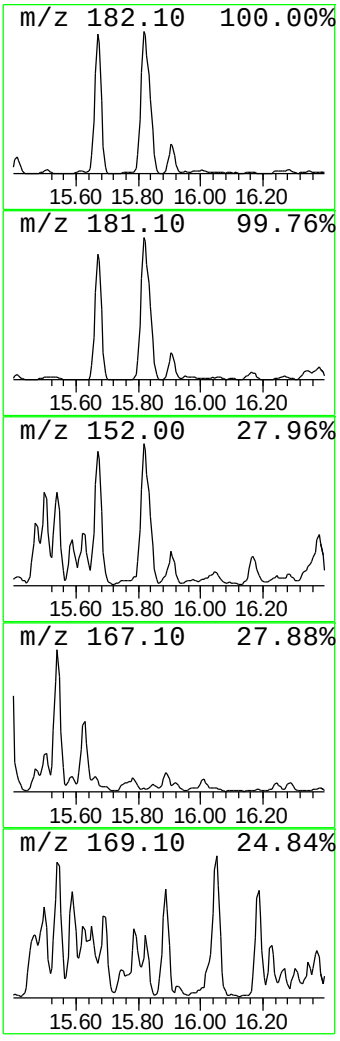
Peak Number 21 Dibenzofuran, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	14.19 ng/ul	1880420	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	70
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





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Quant Title : SVOA CALIBRATION

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

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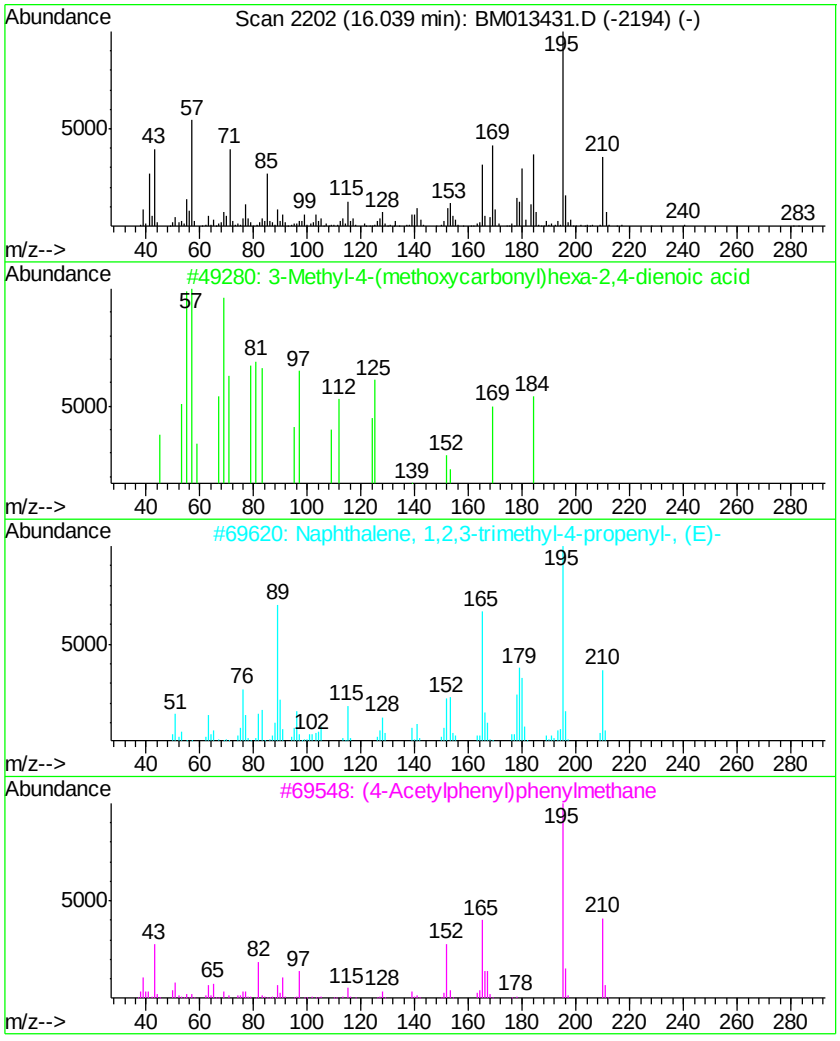
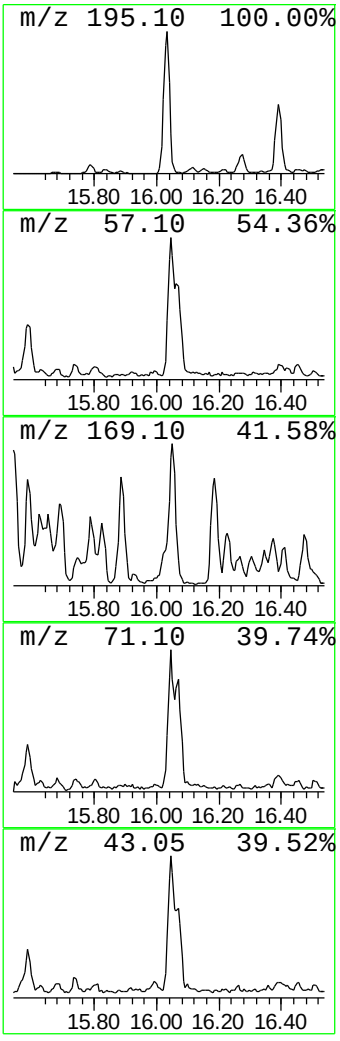
Peak Number 22 3-Methyl-4-(methoxycarbonyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	23.72 ng/ul	3143450	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	53
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	50
3	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	38
4	1H-Benz[f]isoindol-3-amine, 1-im...	195	C12H9N3	065558-69-2	35
5	Isothiocyanate, 2,3-dimethoxyphenyl	195	C9H9NO2S	1000337-60-3	30





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Quant Title : SVOA CALIBRATION

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

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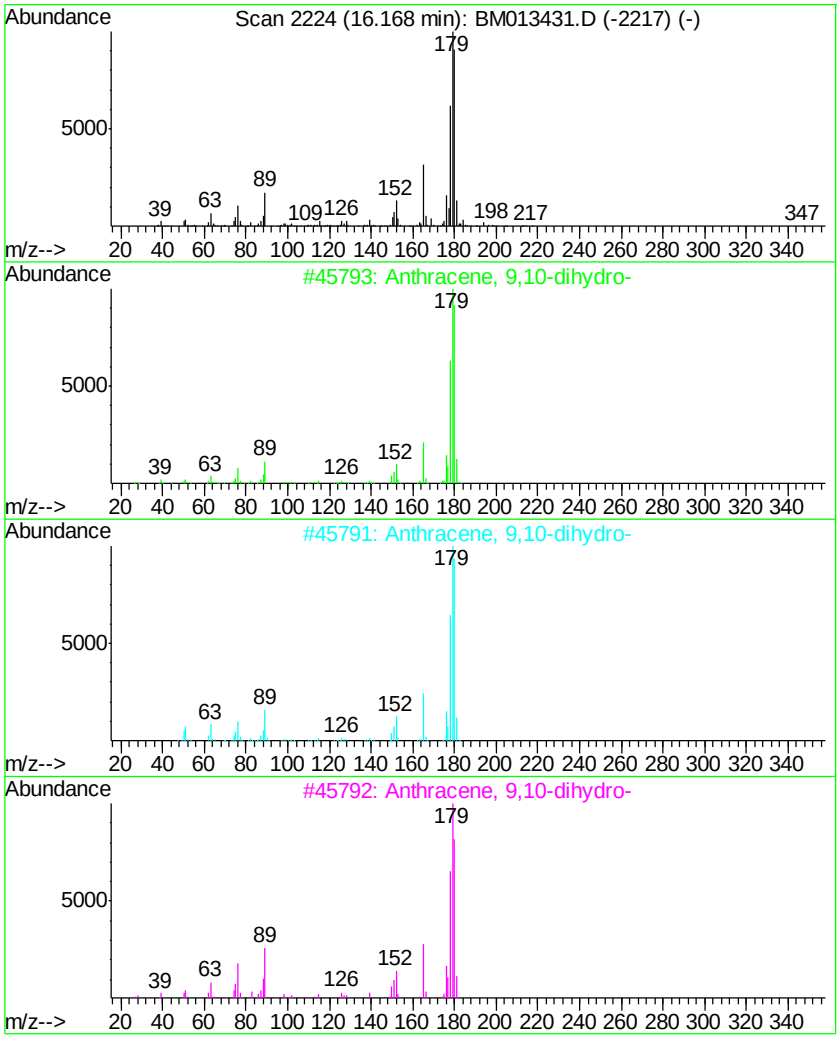
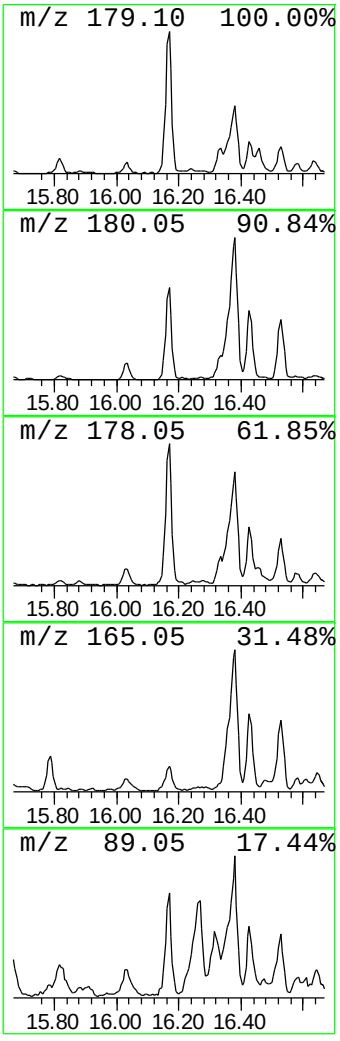
Peak Number 23 Anthracene, 9,10-dihydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	23.42 ng/ul	3103040	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
5	(E)-Stilbene	180	C14H12	000103-30-0	93





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Operator : SJ/JU
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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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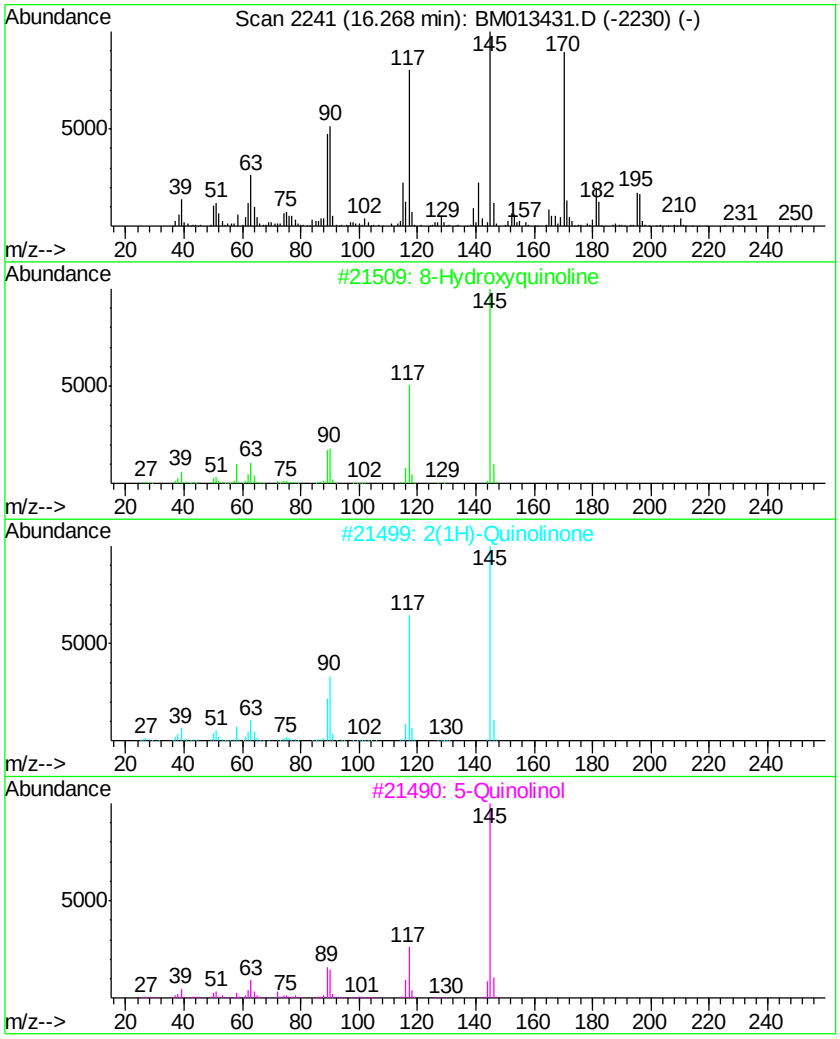
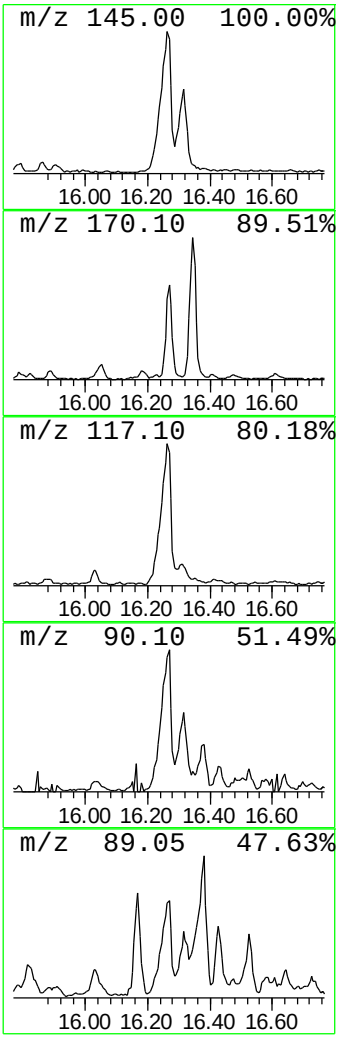
Peak Number 24 8-Hydroxyquinoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	19.19 ng/ul	2542800	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	91
2	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	83
3	5-Quinolinol	145	C9H7NO	000578-67-6	83
4	5-Isoquinolinol	145	C9H7NO	002439-04-5	83
5	Benzene, 4-chloro-1-(chloromethy...	205	C7H5Cl2NO2	000938-71-6	78





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Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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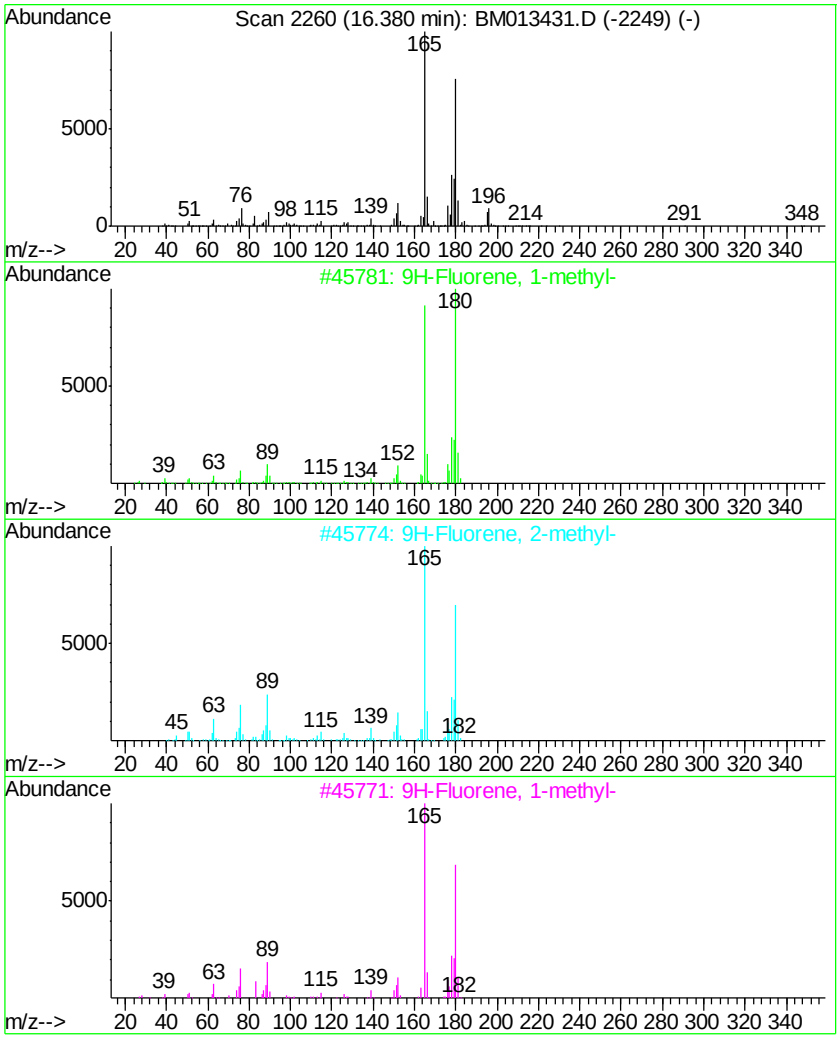
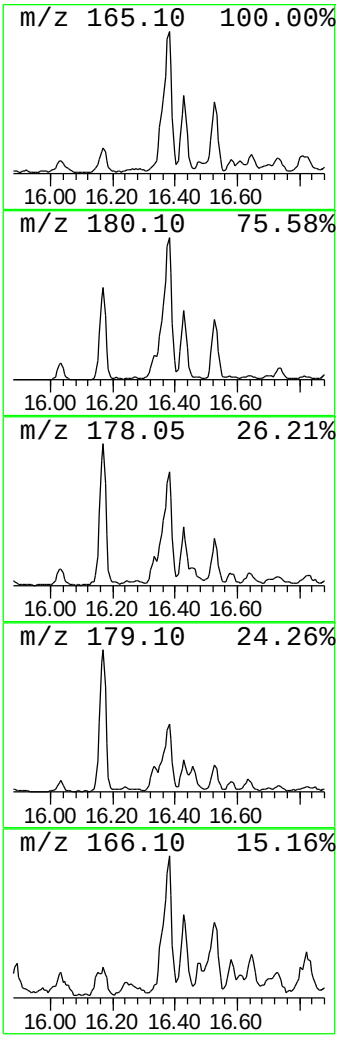
Peak Number 25 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	50.31 ng/ul	6666630	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





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Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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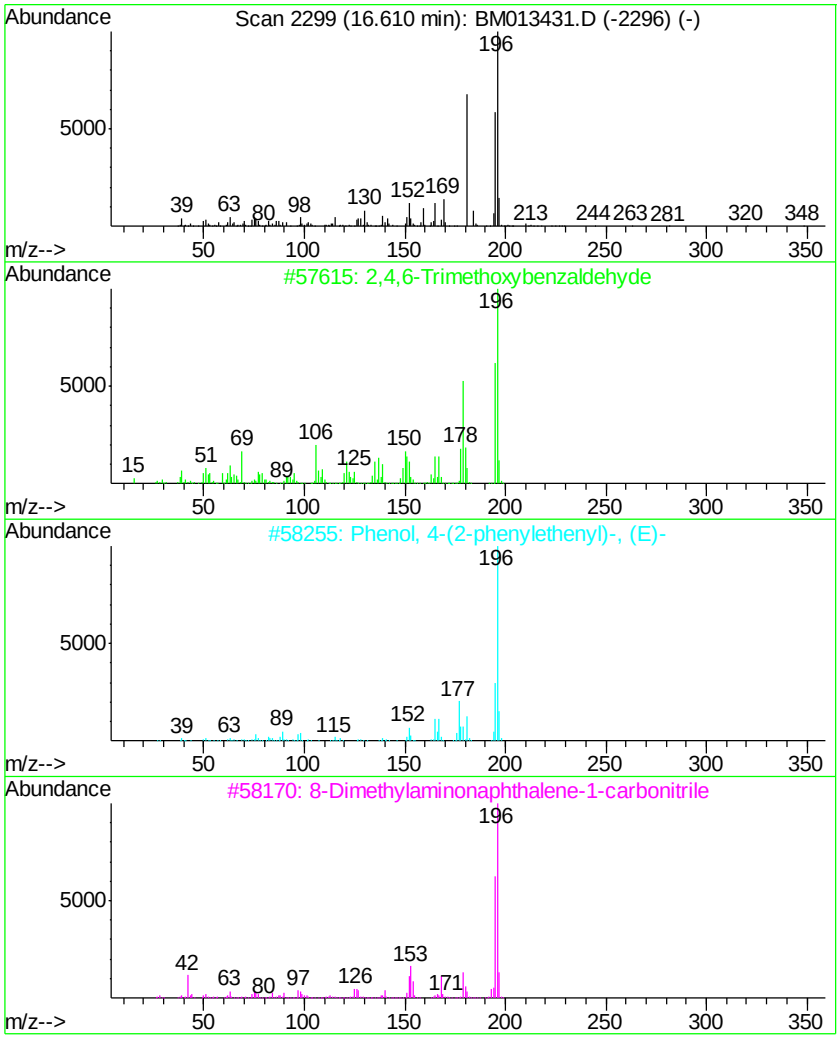
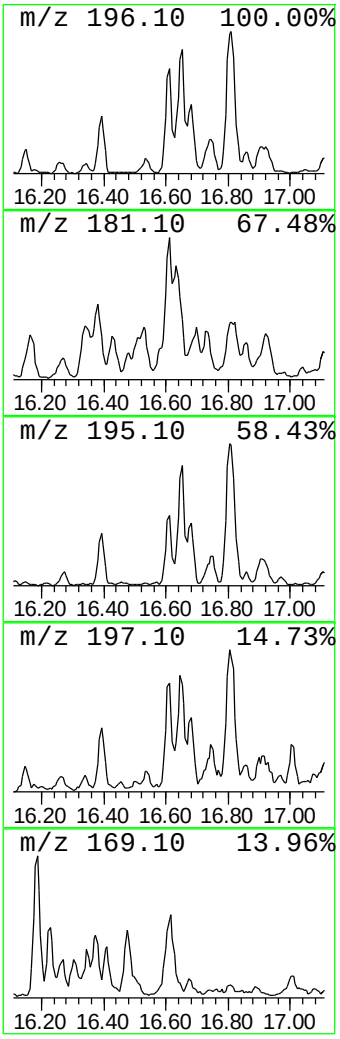
Peak Number 28 2,4,6-Trimethoxybenzaldehyde Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	9.93 ng/ul	1316490	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	52
4	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	49
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49





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Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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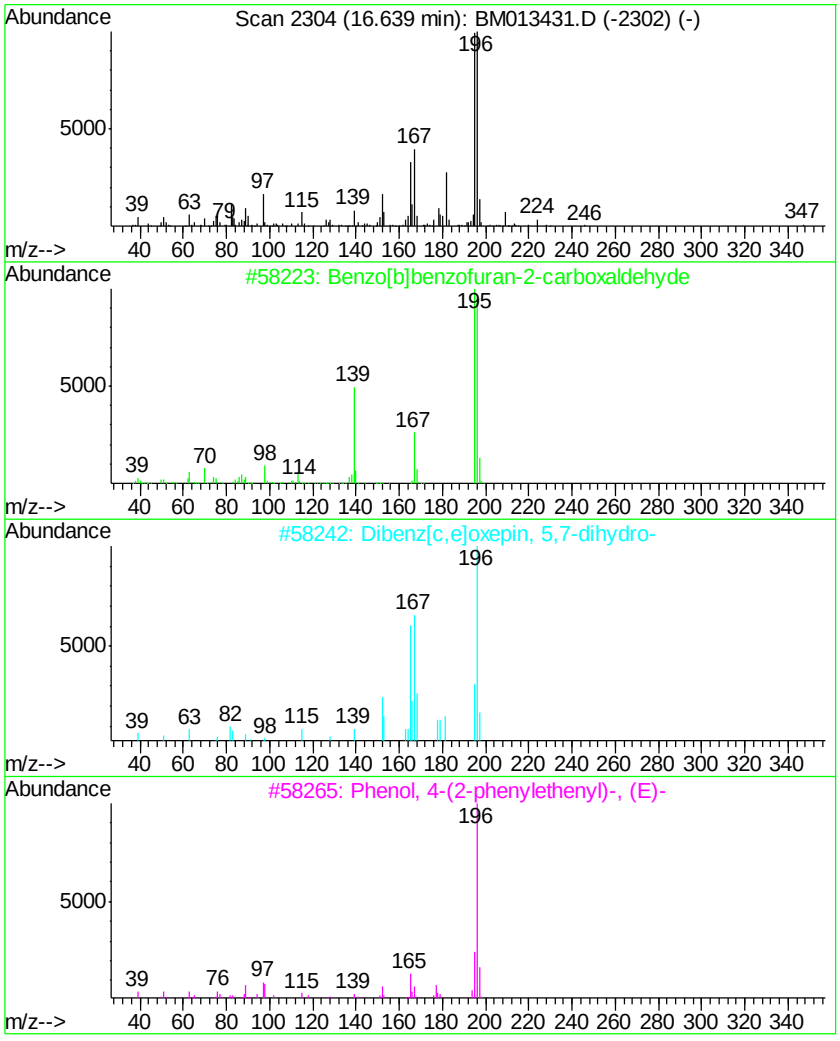
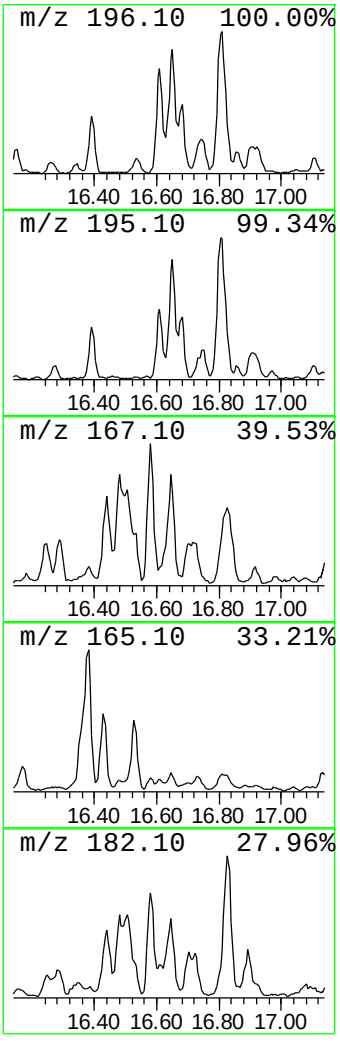
Peak Number 29 Benzo[b]benzofuran-2-carbox... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	10.83 ng/ul	1435790	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	60
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47





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Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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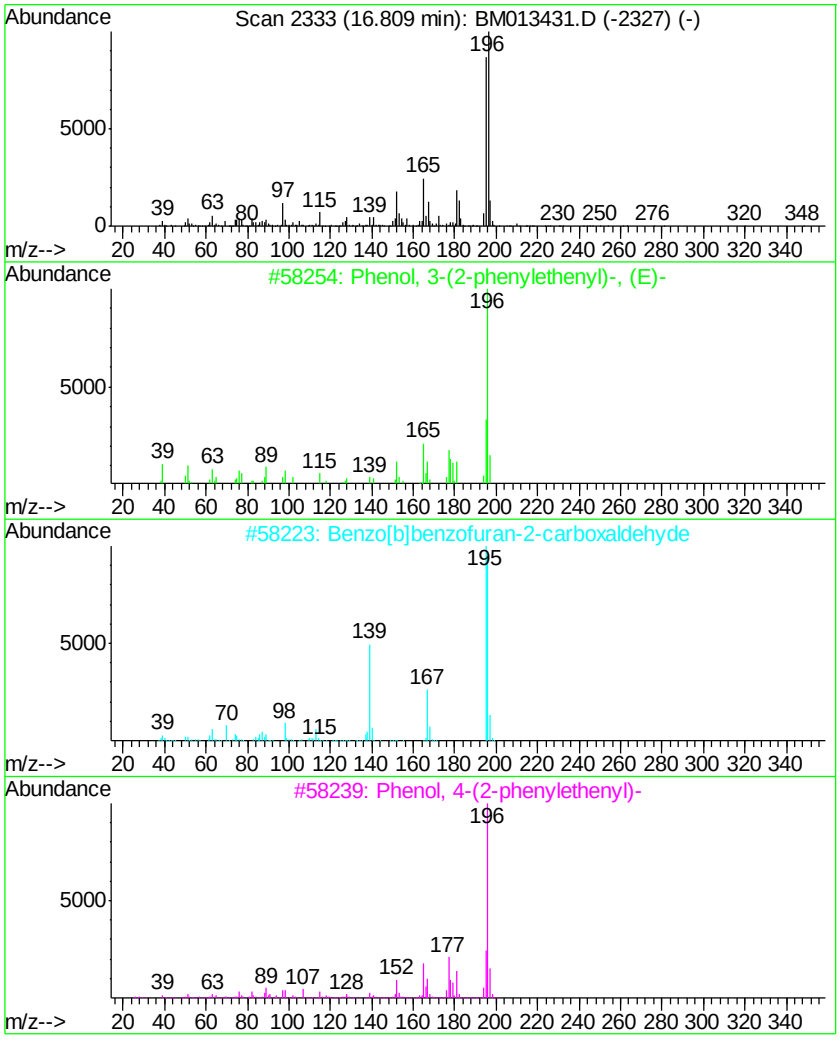
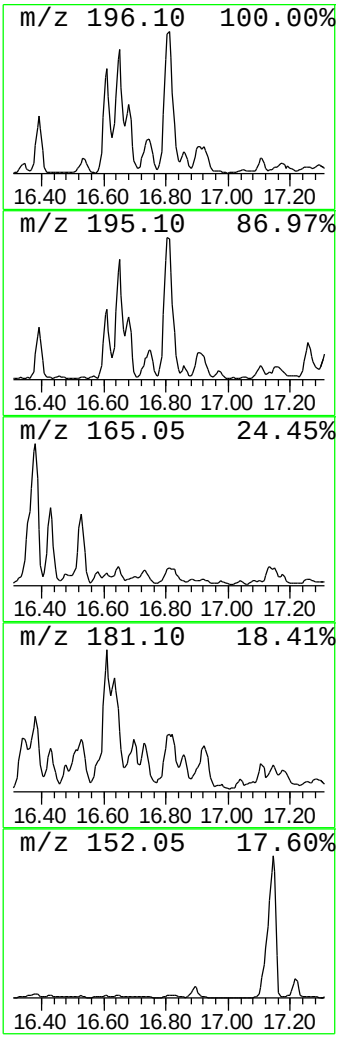
Peak Number 30 Phenol, 3-(2-phenylethenyl)... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	33.65 ng/ul	4459070	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





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Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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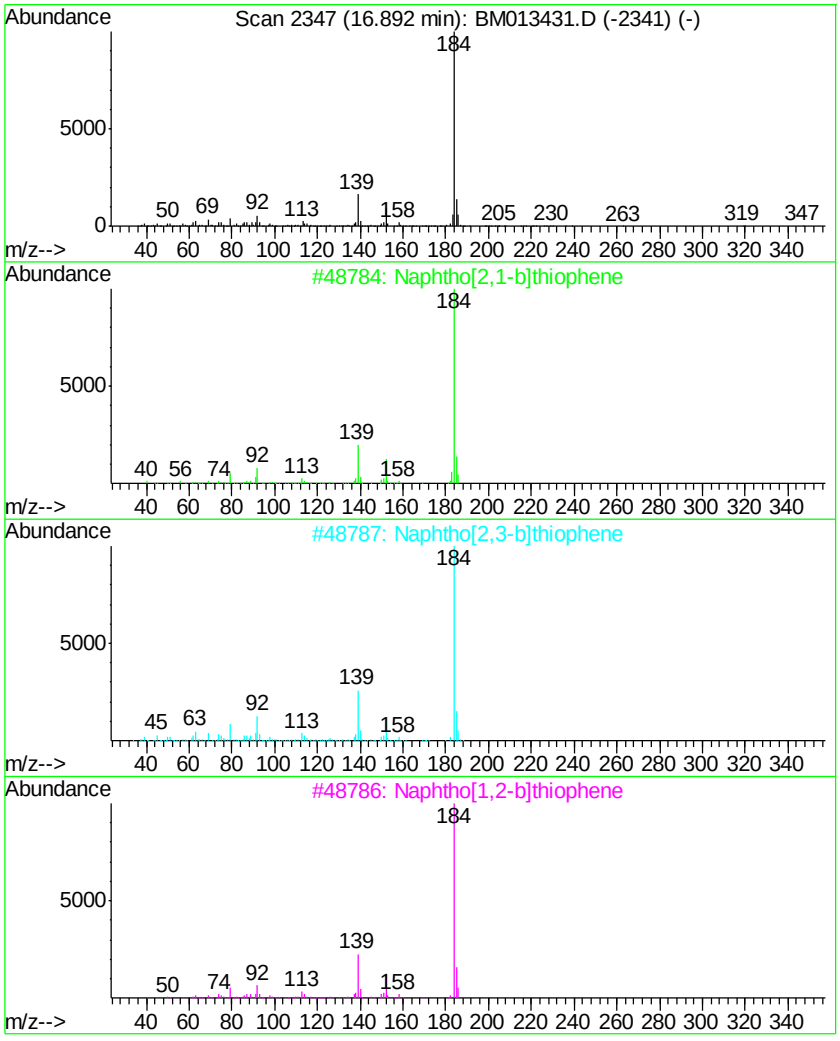
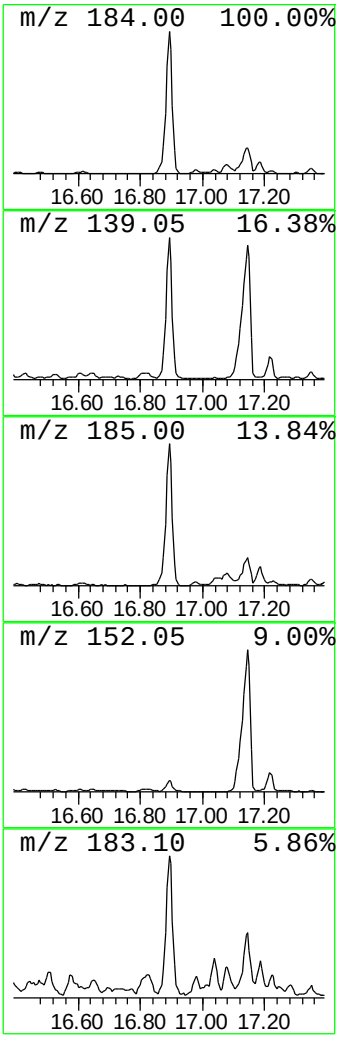
Peak Number 31 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	71.64 ng/ul	9493460	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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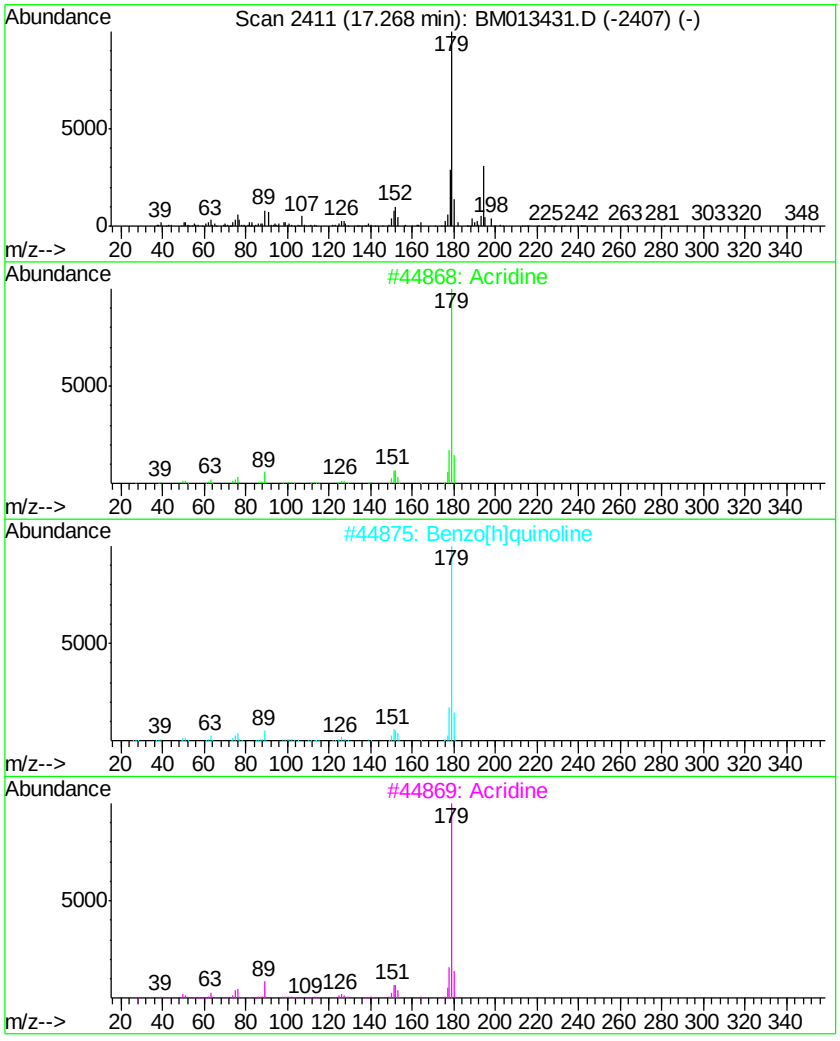
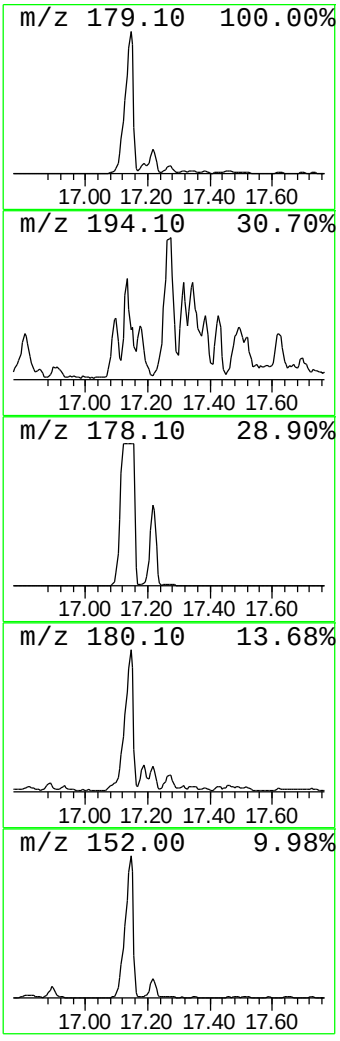
Peak Number 32 Acridine Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	11.03 ng/ul	1461560	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	93
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	92
3	Acridine	179	C13H9N	000260-94-6	92
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	90
5	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	86





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Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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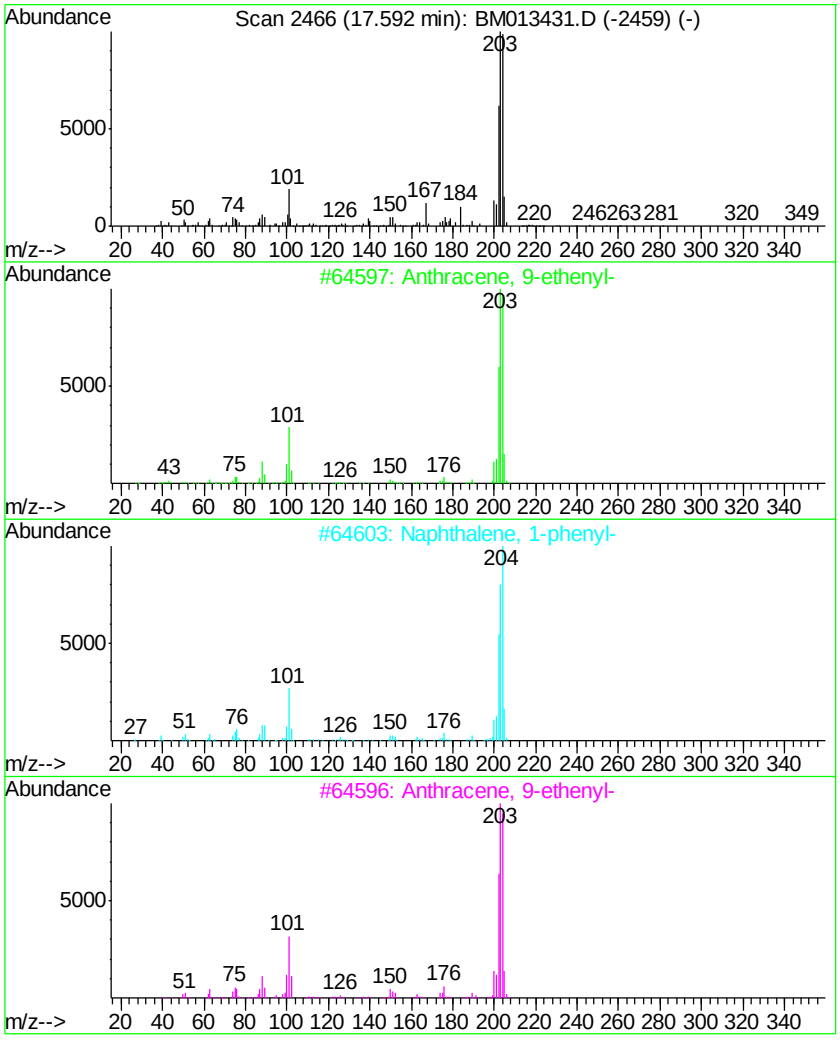
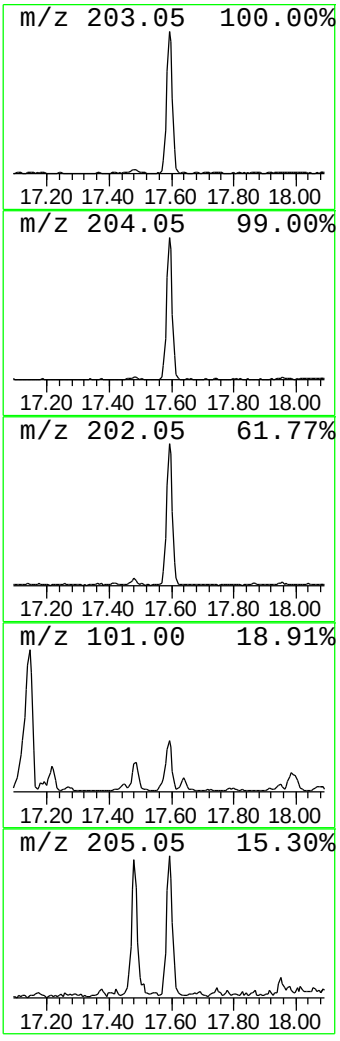
Peak Number 33 Anthracene, 9-ethenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	18.25 ng/ul	2418420	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	70





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Acq On : 15 Dec 2017 08:58
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Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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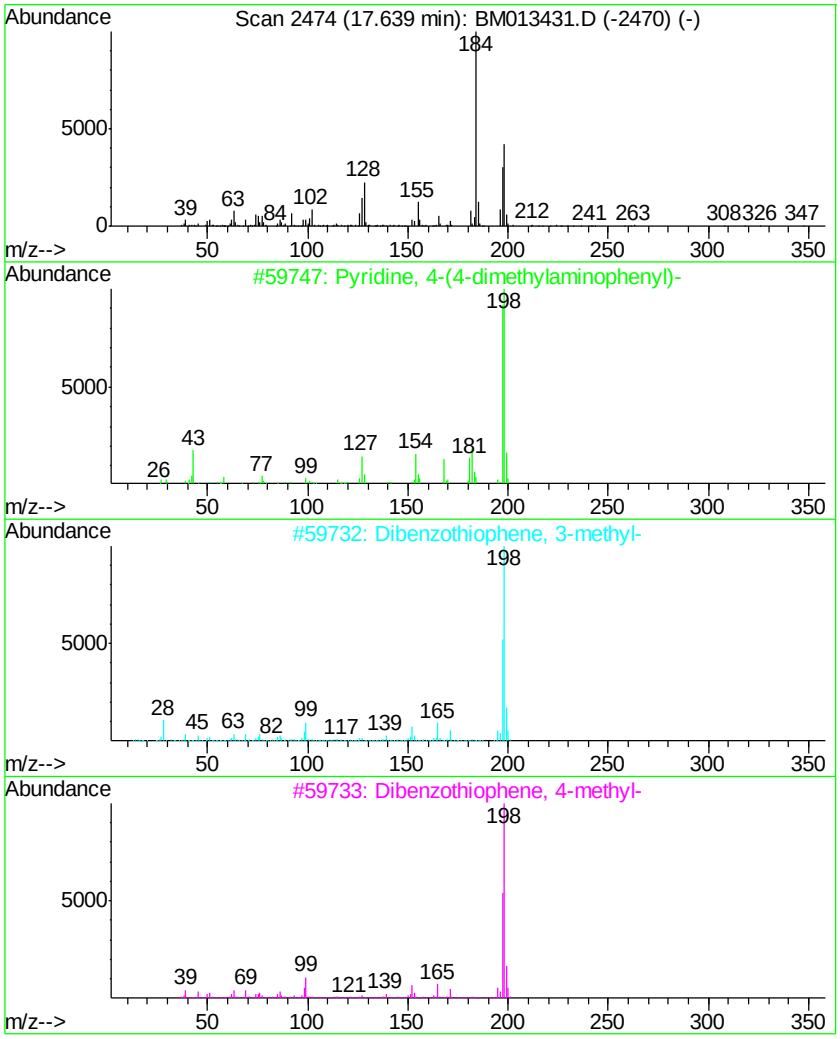
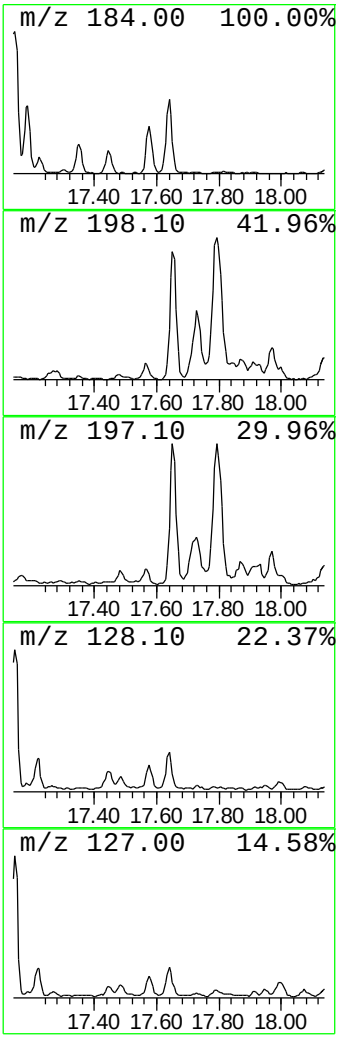
Peak Number 34 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	19.80 ng/ul	2623450	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	49
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	49
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	46
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	43





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Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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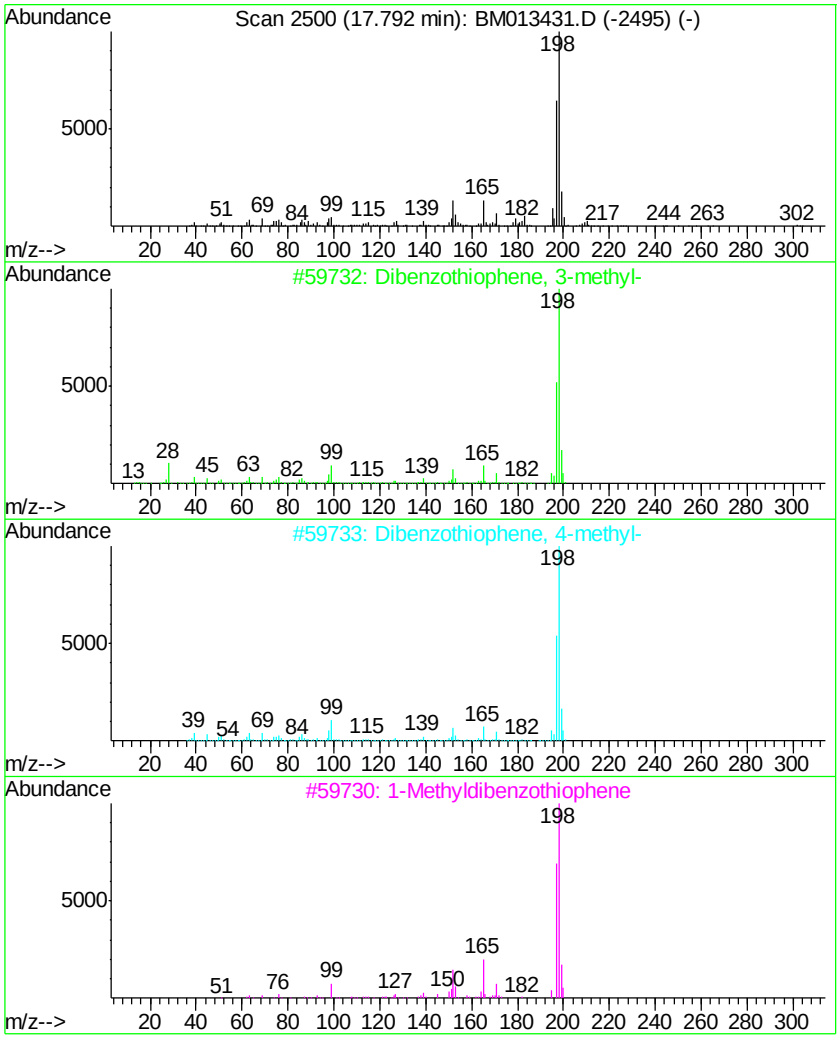
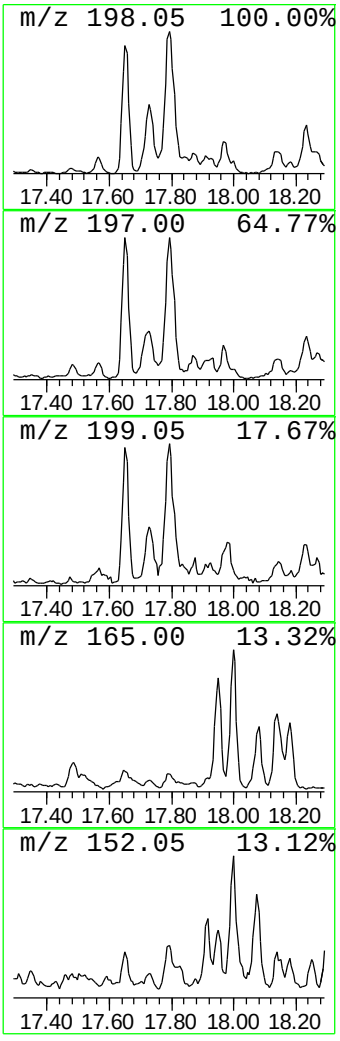
Peak Number 35 Dibenzothiophene, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	14.07 ng/ul	1864880	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
5	Tacrine	198	C13H14N2	000321-64-2	72





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Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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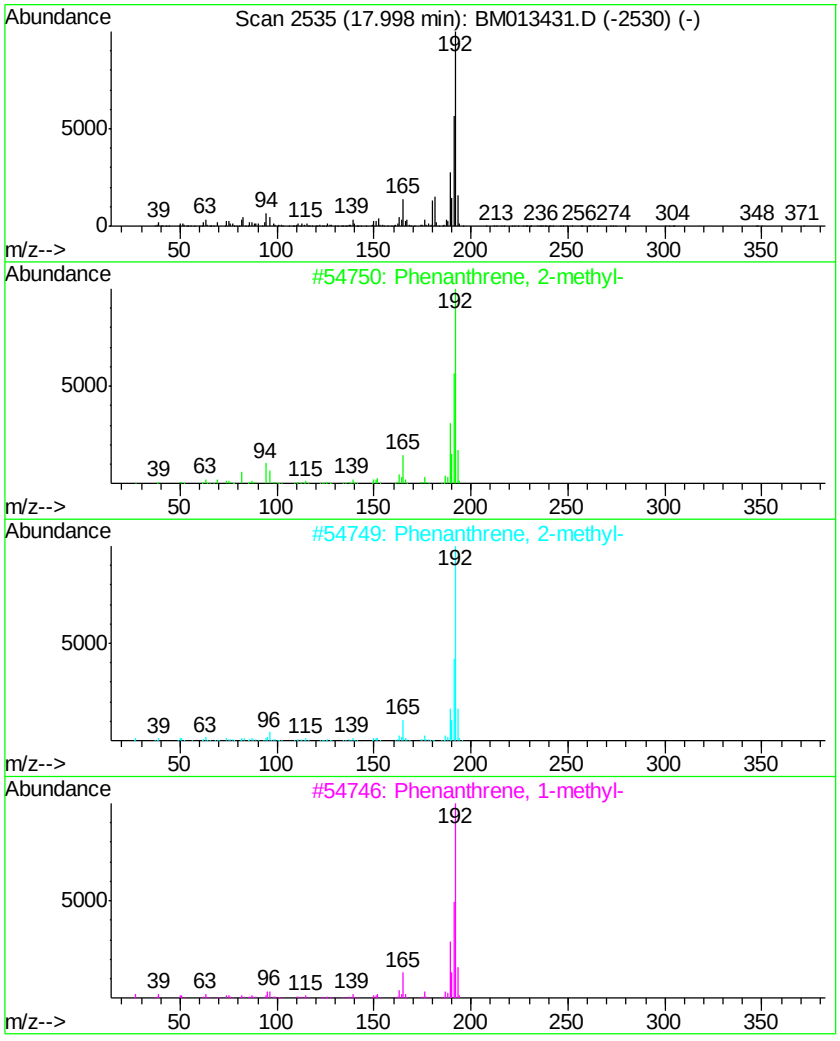
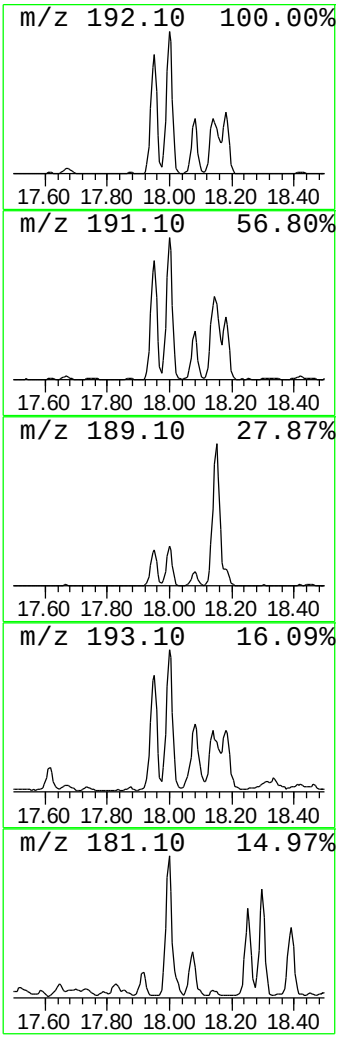
Peak Number 37 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	97.51 ng/ul	12921600	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Tentatively Identified Compound (LSC) summary

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Data File : BM013431.D
Acq On : 15 Dec 2017 08:58
Operator : SJ/JU
Sample : I6778-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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	8.05	18.3	ng/ul	1646960	1	7.67	1802210	20.0
Benzene, 1-propynyl-	8.20	24.6	ng/ul	2215520	1	7.67	1802210	20.0
Naphthalene, 1,7-...	13.64	26.4	ng/ul	9568820	3	14.32	7250580	20.0
Naphthalene, 2,3-...	13.88	10.6	ng/ul	3830140	3	14.32	7250580	20.0
2-Naphthalenecarb...	14.46	3.9	ng/ul	1394060	3	14.32	7250580	20.0
Benzene, [1-(2,4-...	14.63	6.8	ng/ul	2473820	3	14.32	7250580	20.0
Naphthalene, 2,3,...	14.80	6.2	ng/ul	2259240	3	14.32	7250580	20.0
3-Butenoic acid, ...	14.83	5.7	ng/ul	2074110	3	14.32	7250580	20.0
Naphthalene, 1,6,...	14.94	6.6	ng/ul	2393710	3	14.32	7250580	20.0
Nordiphenamid	15.54	13.9	ng/ul	5038430	3	14.32	7250580	20.0
1-Isopropenylnaph...	15.59	5.9	ng/ul	2144280	3	14.32	7250580	20.0
Diphenylmethane	15.62	6.9	ng/ul	2497250	3	14.32	7250580	20.0
2,4,6-Cycloheptat...	15.82	66.5	ng/ul	8808340	4	17.08	2650310	20.0
Dibenzofuran, 4-m...	15.90	14.2	ng/ul	1880420	4	17.08	2650310	20.0
3-Methyl-4-(metho...	16.04	23.7	ng/ul	3143450	4	17.08	2650310	20.0
Anthracene, 9,10-...	16.17	23.4	ng/ul	3103040	4	17.08	2650310	20.0
8-Hydroxyquinoline	16.27	19.2	ng/ul	2542800	4	17.08	2650310	20.0
9H-Fluorene, 1-me...	16.38	50.3	ng/ul	6666630	4	17.08	2650310	20.0
2,4,6-Trimethoxyb...	16.61	9.9	ng/ul	1316490	4	17.08	2650310	20.0
Benzo[b]benzofura...	16.64	10.8	ng/ul	1435790	4	17.08	2650310	20.0
Phenol, 3-(2-phen...	16.81	33.6	ng/ul	4459070	4	17.08	2650310	20.0
Naphtho[2,1-b]thi...	16.89	71.6	ng/ul	9493460	4	17.08	2650310	20.0
Acridine	17.27	11.0	ng/ul	1461560	4	17.08	2650310	20.0
Anthracene, 9-eth...	17.59	18.3	ng/ul	2418420	4	17.08	2650310	20.0
unknown-01	17.64	19.8	ng/ul	2623450	4	17.08	2650310	20.0
Dibenzothiophene,...	17.79	14.1	ng/ul	1864880	4	17.08	2650310	20.0
Phenanthrene, 2-m...	18.00	97.5	ng/ul	12921600	4	17.08	2650310	20.0