LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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	8.046	835	843	850	rBV	3502621	5504229	1.93%	0.273%
2	8.210	865	871	881	rVB	4848606	7801197	2.74%	0.387%
3	9.863	1137	1152	1162	rBV3	2000188	6086370	2.14%	0.302%
4	10.575	1254	1273	1277	rVV2	73976155	241594747	84.84%	11.974%
5	10.645	1277	1285	1293	rVB	6239983	9730284	3.42%	0.482%
6	12.157	1529	1542	1546	rBV3	49273295	95358511	33.49%	4.726%
7	12.251	1552	1558	1564	rBV3	1513638	2878051	1.01%	0.143%
8	12.369	1564	1578	1584	rVB	28553638	49860867	17.51%	2.471%
9	13.157	1705	1712	1717	rVB	15111956	22362995	7.85%	1.108%
10	13.351	1739	1745	1755	rVB	5968406	11731151	4.12%	0.581%
11	13.486	1758	1768	1769	rBV	9365139	13489614	4.74%	0.669%
12	13.651	1788	1796	1801	rBV	14400808	27436177	9.63%	1.360%
13	13.704	1801	1805	1813	rVB	10695370	14989965	5.26%	0.743%
14	13.880	1827	1835	1839	rBV	6640613	11341411	3.98%	0.562%
15	14.045	1853	1863	1874	rBV	8129723	12730416	4.47%	0.631%
16	14.316	1899	1909	1916	rVV2	9082237	14262397	5.01%	0.707%
17	14.416	1916	1926	1931	rVV2	57791839	104014202	36.53%	5.155%
18	14.469	1931	1935	1940	rVB	2313344	3477790	1.22%	0.172%
19	14.539	1940	1947	1956	rBV2	2597537	6927874	2.43%	0.343%
20	14.639	1956	1964	1969	rBV2	3626017	6367842	2.24%	0.316%
21	14.745	1974	1982	1987	rVB2	38543304	72275908	25.38%	3.582%
22	14.804	1987	1992	1997	rBV	4361696	5989258	2.10%	0.297%
23	14.945	2009	2016	2021	rBV2	3411165	6629003	2.33%	0.329%
24	14.998	2021	2025	2030	rVB	3821133	5112083	1.80%	0.253%
25	15.122	2037	2046	2049	rBV	2870147	6230124	2.19%	0.309%
26	15.186	2054	2057	2067	rVB3	2043296	3435710	1.21%	0.170%
27	15.316	2075	2079	2084	rVV3	2456875	4683300	1.64%	0.232%
28	15.410	2084	2095	2102	rVV3	52841734	106903101	37.54%	5.298%
29	15.480	2102	2107	2109	rVV	3072137	4907498	1.72%	0.243%
30	15.510	2109	2112	2114	rVV	5601698	7367351	2.59%	0.365%
31	15.545	2114	2118	2122	rVV2	9547444	14143646	4.97%	0.701%
32	15.592	2122	2126	2129	rVV2	3527923	5428747	1.91%	0.269%
33	15.633	2129	2133	2136	rVV	4441276	6808823	2.39%	0.337%
34	15.674	2136	2140	2149	rVB	10676298	16399665	5.76%	0.813%

LSC Area Percent Report

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Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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	15.827	2161	2166	2173	rVV	10523484	21522885	7.56%	1.067%
36	15.910	2178	2180	2186	rVB	2167256	2869817	1.01%	0.142%
37	16.045	2197	2203	2212	rVB3	3654165	9047399	3.18%	0.448%
38	16.174	2217	2225	2231	rBV3	5151299	8741248	3.07%	0.433%
39	16.274	2231	2242	2248	rBV9	823018	2966397	1.04%	0.147%
40	16.386	2248	2261	2265	rBV2	8779583	18351199	6.44%	0.910%
41	16.433	2265	2269	2275	rVB2	3733019	5057436	1.78%	0.251%
42	16.533	2280	2286	2290	rVB2	3718410	6125436	2.15%	0.304%
43	16.616	2297	2300	2303	rVV	2150495	3080675	1.08%	0.153%
44	16.651	2303	2306	2310	rVB	2745069	3774506	1.33%	0.187%
45	16.733	2317	2320	2328	rVB5	1304041	2871729	1.01%	0.142%
46	16.821	2328	2335	2342	rVV4	4117807	11937214	4.19%	0.592%
47	16.904	2342	2349	2361	rVB	16509780	26174886	9.19%	1.297%
48	17.180	2371	2396	2399	rBV3	96332915	284765912	100.00%	14.114%
49	17.239	2399	2406	2410	rVV	31840440	45173587	15.86%	2.239%
50	17.280	2410	2413	2417	rVB	3399222	4711611	1.65%	0.234%
51	17.492	2442	2449	2460	rBV	13064357	22733363	7.98%	1.127%
52	17.598	2460	2467	2473	rVV3	2894352	6164192	2.16%	0.306%
53	17.657	2473	2477	2486	rVV3	2562374	5098353	1.79%	0.253%
54	17.798	2496	2501	2510	rBV	2117891	4007101	1.41%	0.199%
55	17.957	2518	2528	2532	rBV	14758632	24009744	8.43%	1.190%
56	18.010	2532	2537	2543	rVB	22038724	30041687	10.55%	1.489%
57	18.092	2543	2551	2556	rBV	7287678	12427939	4.36%	0.616%
58	18.163	2556	2563	2566	rVV2	25095353	43903572	15.42%	2.176%
59	18.192	2566	2568	2573	rVV	8726280	9507566	3.34%	0.471%
60	18.262	2573	2580	2584	rVV3	1709820	3392766	1.19%	0.168%
61	18.457	2608	2613	2618	rVV	10267983	14107080	4.95%	0.699%
62	18.698	2647	2654	2659	rBV	2342775	3782719	1.33%	0.187%
63	18.792	2666	2670	2674	rVB2	2172662	2909753	1.02%	0.144%
64	18.874	2677	2684	2688	rBV	4820151	8992440	3.16%	0.446%
65	19.039	2704	2712	2717	rVB4	1321437	3458984	1.21%	0.171%
66	19.174	2724	2735	2739	rBV2	59853142	127659808	44.83%	6.327%
67	19.292	2751	2755	2759	rVB	2186316	2893357	1.02%	0.143%
68	19.386	2767	2771	2776	rBV	2342666	3160324	1.11%	0.157%
69	19.533	2783	2796	2800	rBV4	46415816	111437918	39.13%	5.523%
70	19.580	2800	2804	2810	rVB3	3593858	5598923	1.97%	0.277%
71	19.686	2817	2822	2828	rVB	3403855	4850424	1.70%	0.240%

LSC Area Percent Report

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Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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

72	19.827	2840	2846	2853	rBV3	3543429	8947659	3.14%	0.443%
73	19.968	2864	2870	2872	rVV3	3599264	6346054	2.23%	0.315%
74	20.009	2872	2877	2882	rVB	11972295	17216570	6.05%	0.853%
75	20.109	2888	2894	2897	rBV	12337337	17451389	6.13%	0.865%
76	20.162	2897	2903	2906	rVV3	4307196	7665361	2.69%	0.380%
77	20.298	2922	2926	2930	rBV	2068878	2888875	1.01%	0.143%
78	20.345	2930	2934	2938	rVB	2427149	3122044	1.10%	0.155%
79	20.709	2991	2996	3000	rBV	1638410	3000377	1.05%	0.149%
80	20.915	3026	3031	3034	rBV	3417196	4457230	1.57%	0.221%
81	20.951	3034	3037	3040	rVV	3492805	3898144	1.37%	0.193%
82	20.992	3040	3044	3048	rVB2	1849197	2950185	1.04%	0.146%
83	21.256	3080	3089	3094	rVV2	19123584	33061181	11.61%	1.639%
84	21.309	3094	3098	3107	rVB	14686307	19825523	6.96%	0.983%
85	21.421	3113	3117	3123	rBV	3003863	4001425	1.41%	0.198%
86	21.809	3177	3183	3187	rVV	2241376	4155095	1.46%	0.206%
87	22.833	3349	3357	3361	rBV	5569896	13540764	4.76%	0.671%
88	23.297	3430	3436	3445	rVB	3067354	5641444	1.98%	0.280%
89	23.397	3446	3453	3460	rVV	5141674	9157131	3.22%	0.454%
90	25.721	3839	3848	3859	rVB	1855433	5293938	1.86%	0.262%
91	26.409	3955	3965	3973	rBV2	1134680	3478697	1.22%	0.172%

Sum of corrected areas: 2017669343

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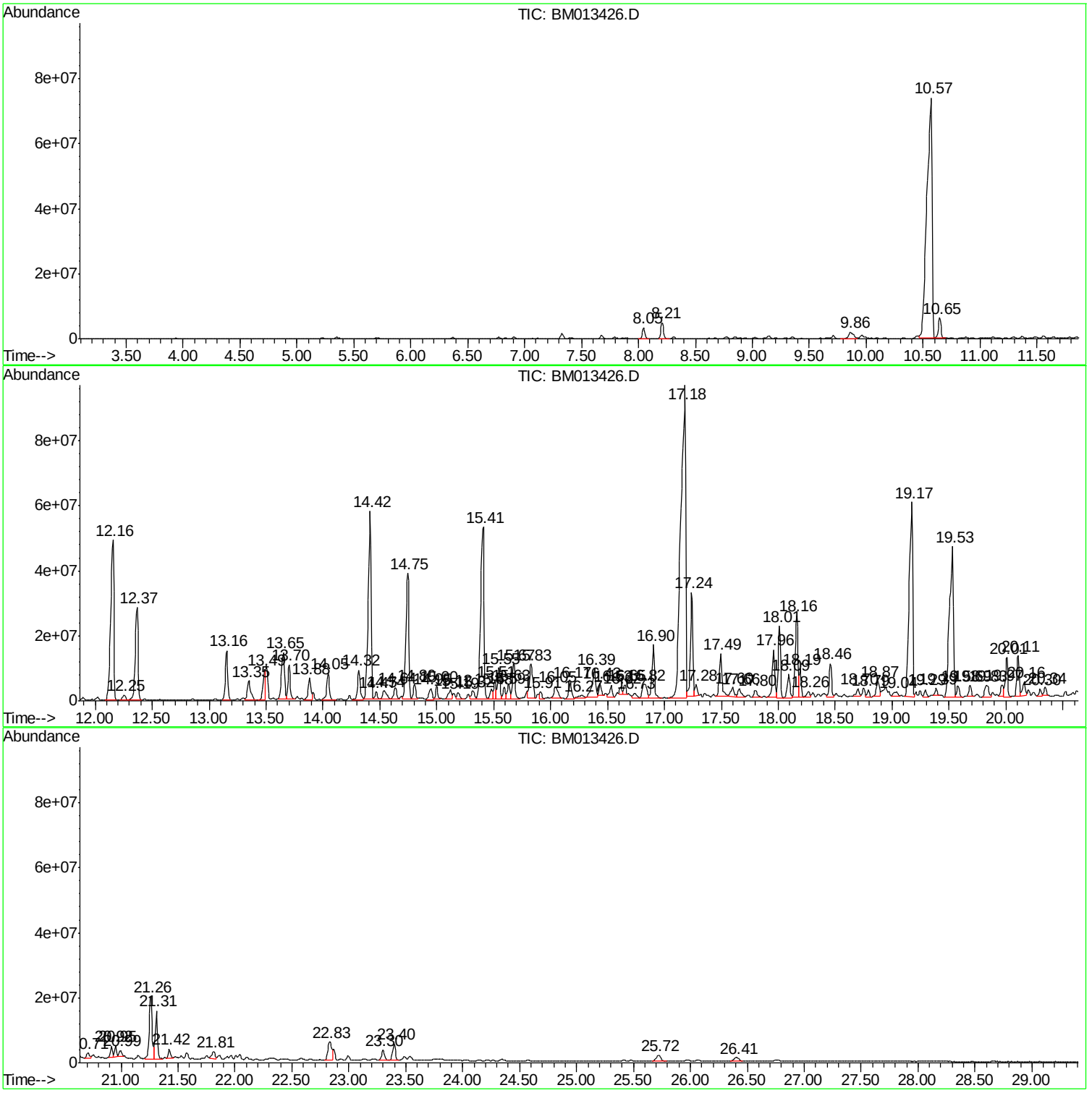
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A78

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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

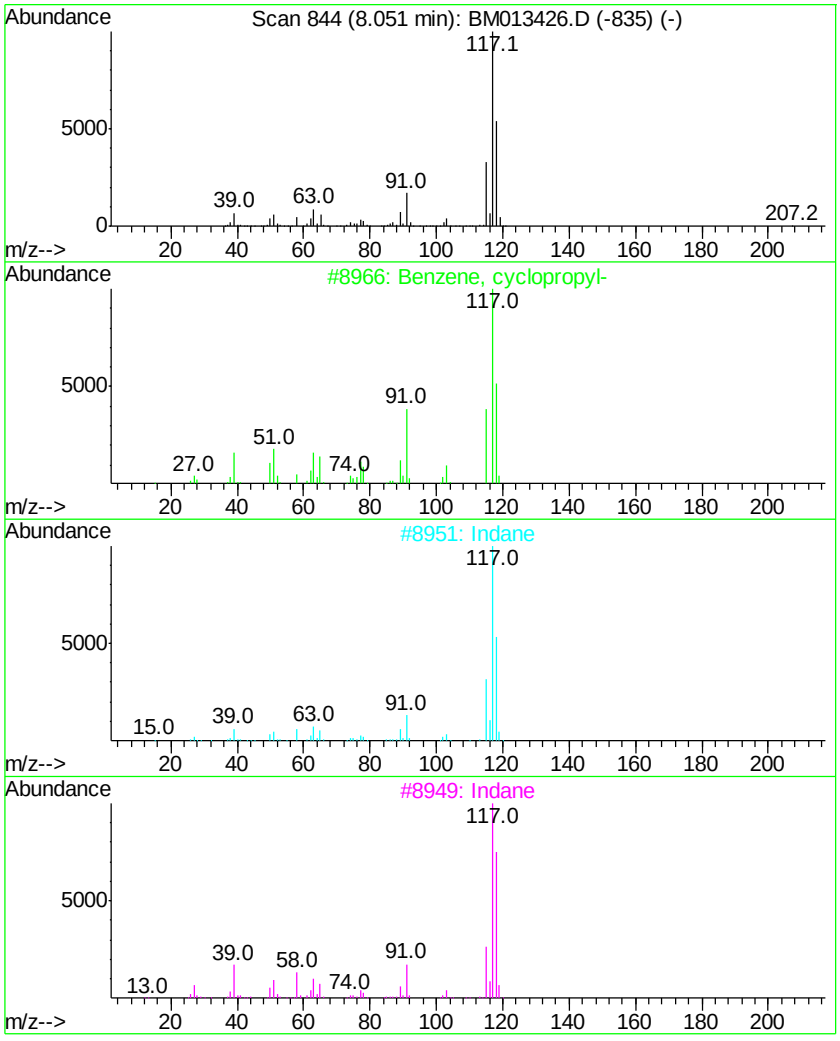
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

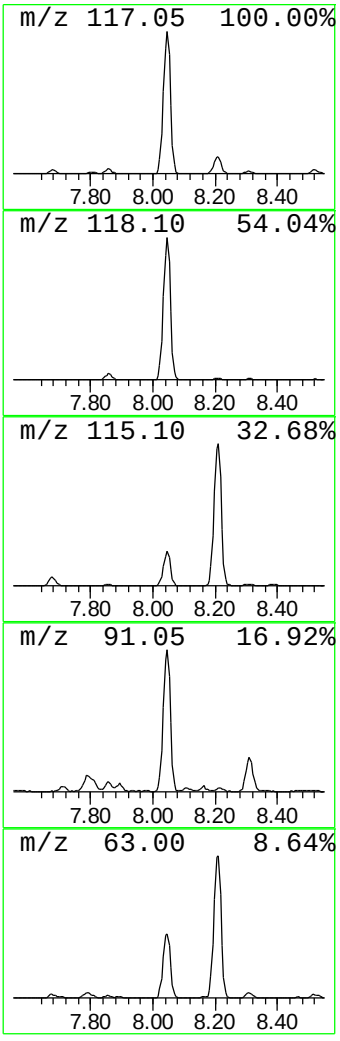
****

Peak Number 1 Benzene, cyclopropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	20.00 ng/ul	5504230	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	59
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	58





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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

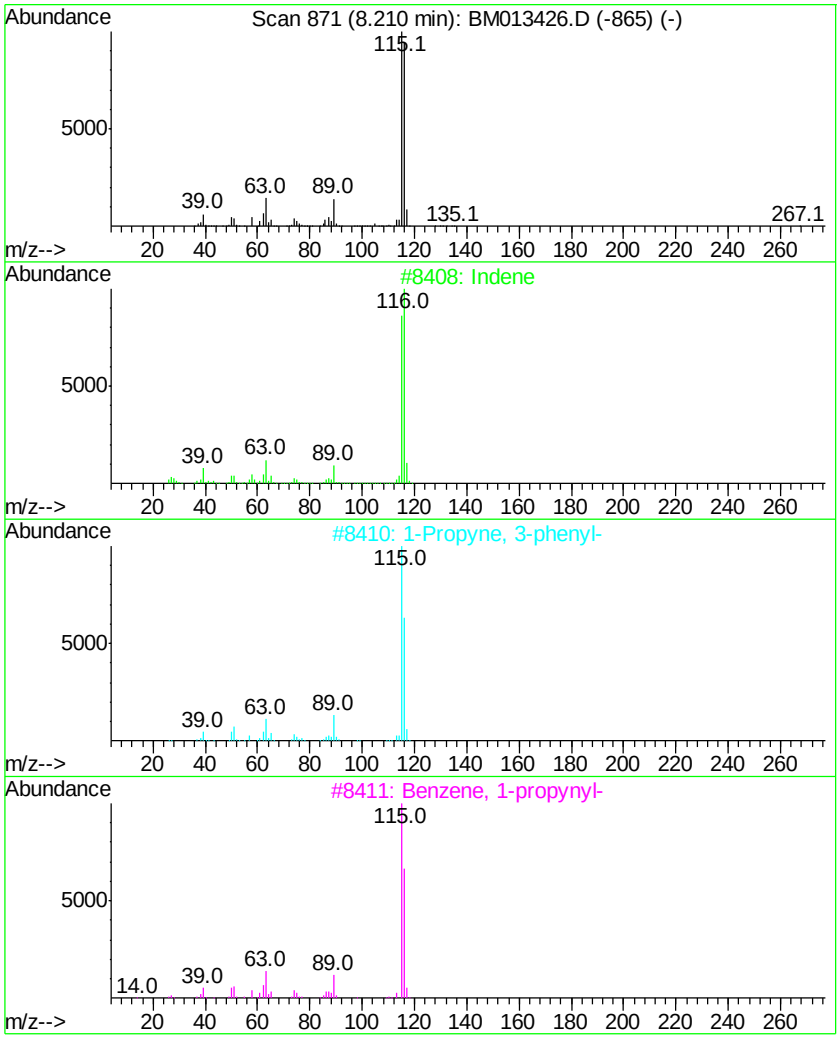
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

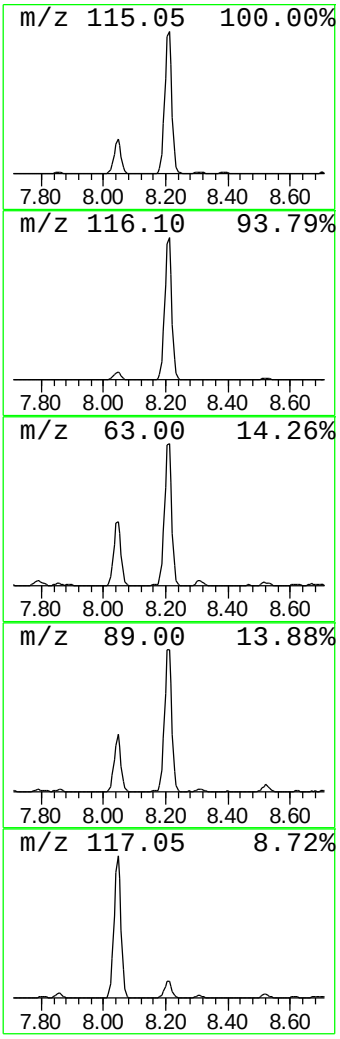
****

Peak Number 2 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	28.35 ng/ul	7801200	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
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





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : F9A78

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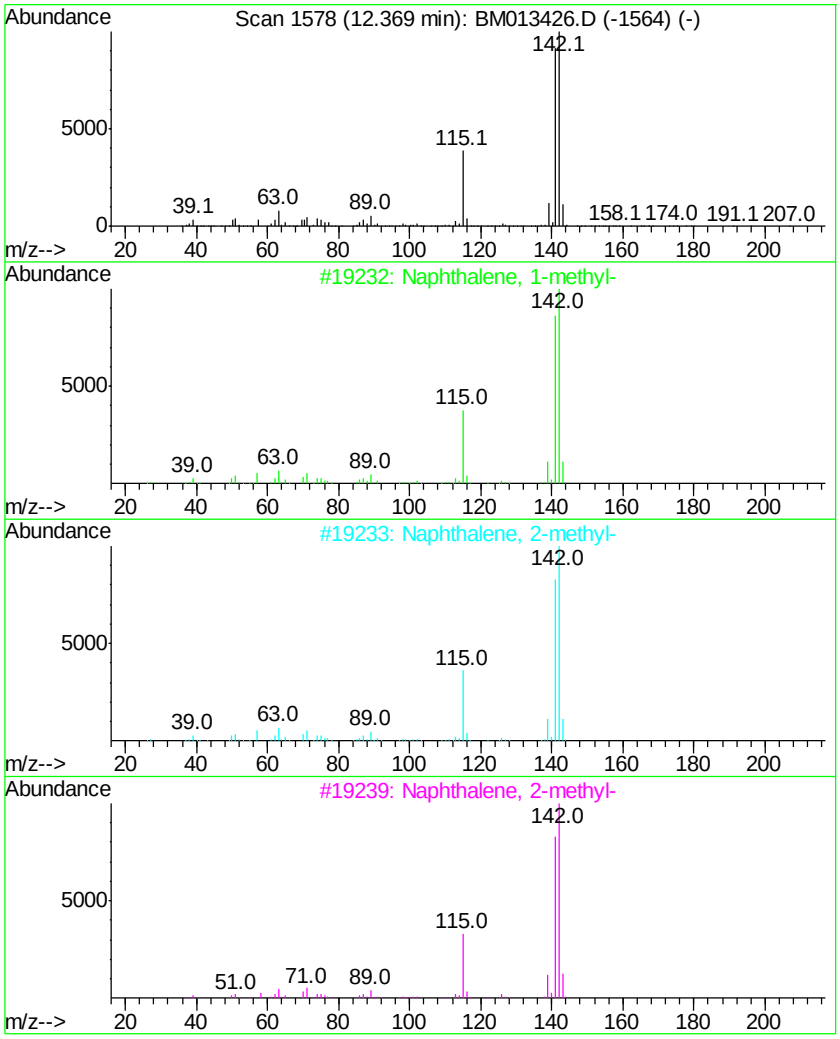
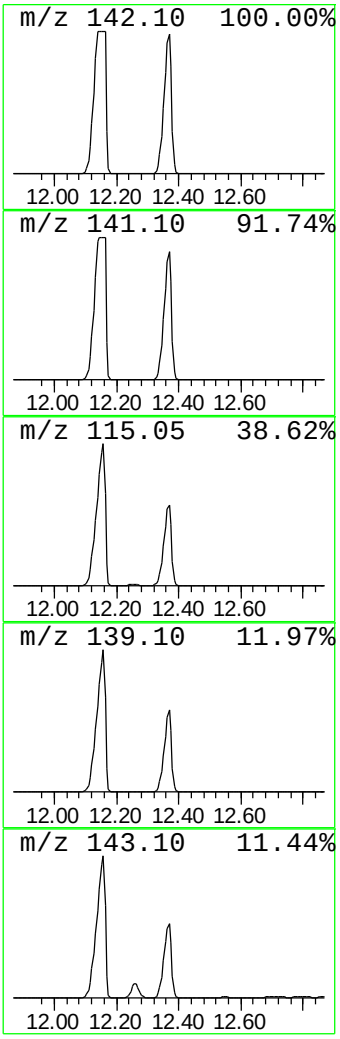
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.13 ng/ul	49860900	Naphthalene-d8	10.48

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





Library Search Compound Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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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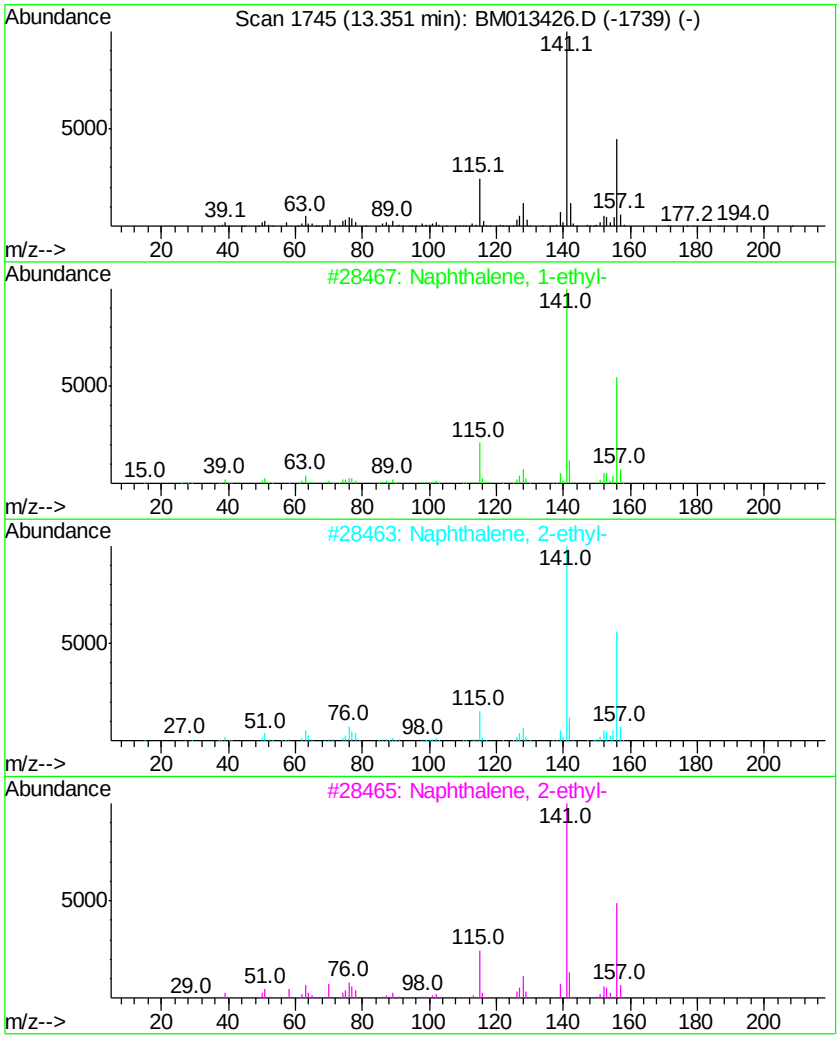
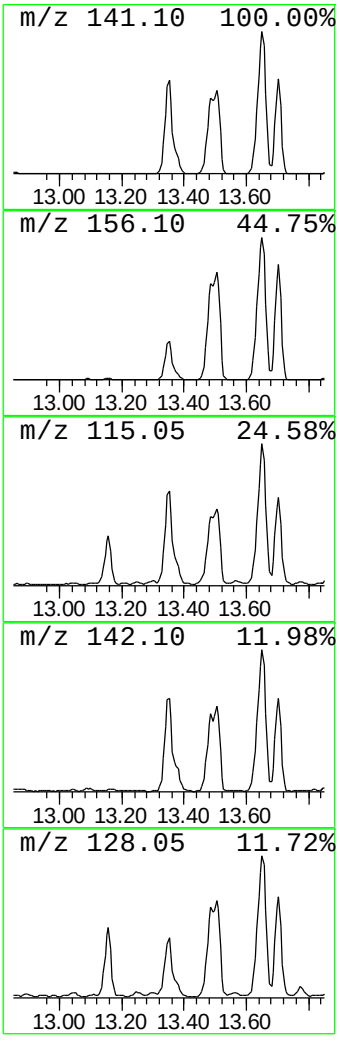
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	16.45 ng/ul	11731200	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





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Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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

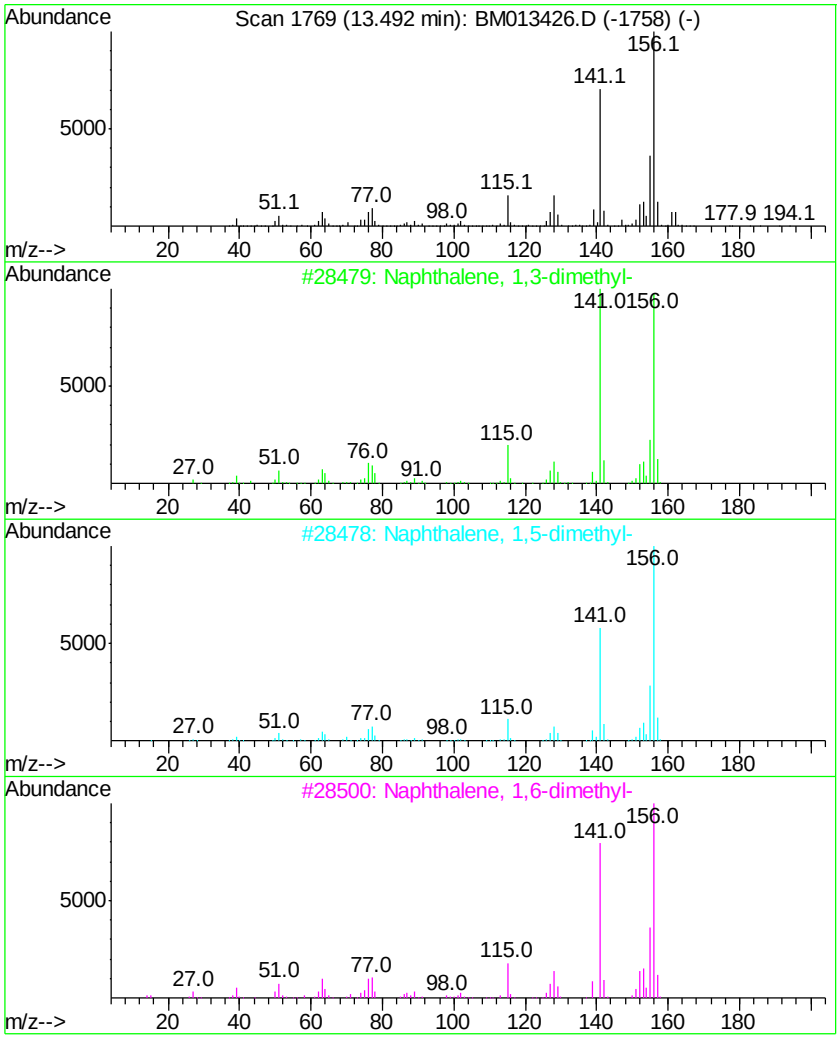
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

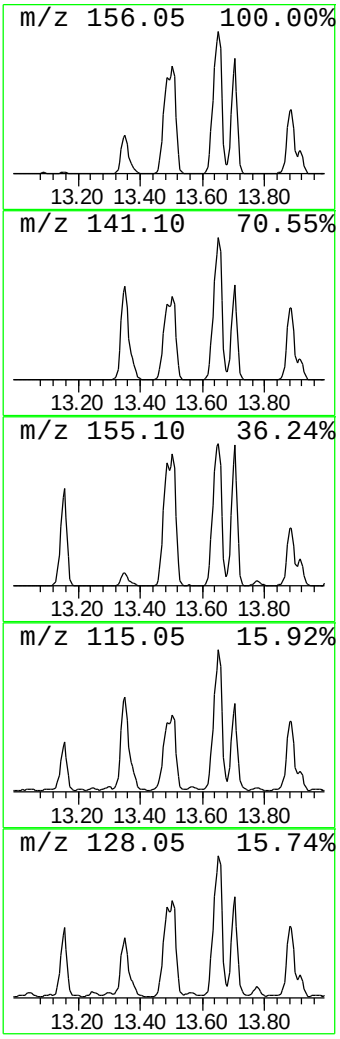
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	18.92 ng/ul	13489600	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A78

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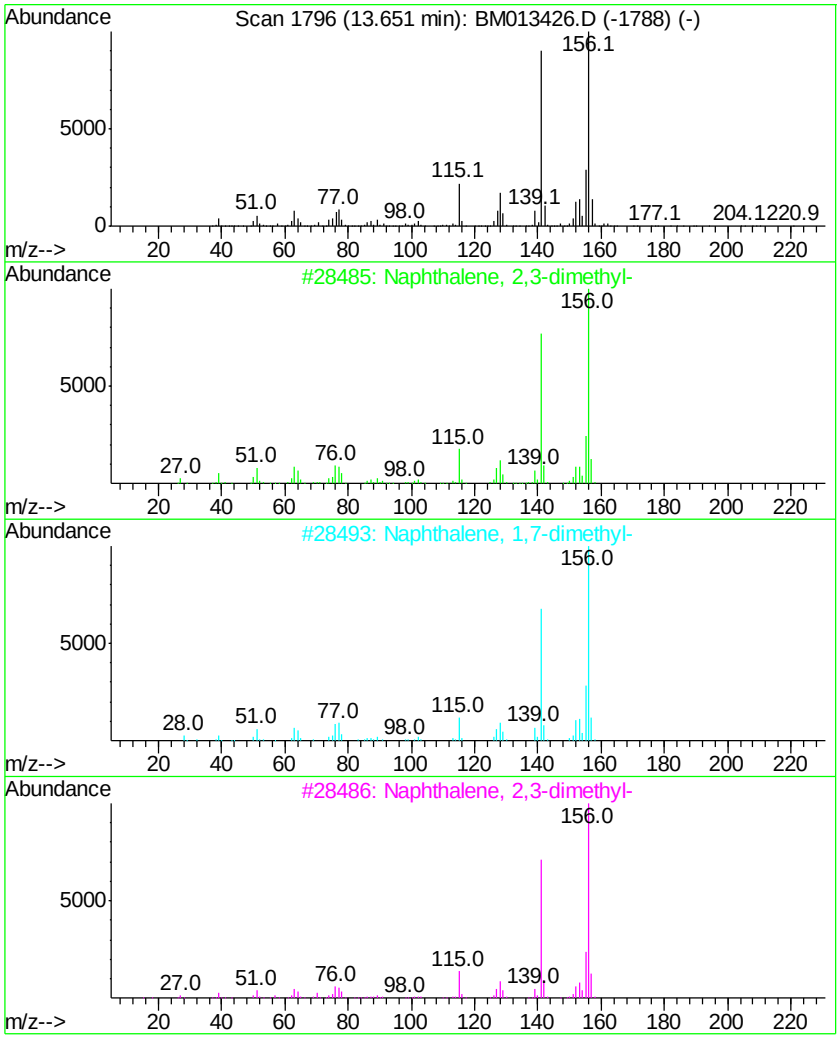
Quant Title : SVOA CALIBRATION

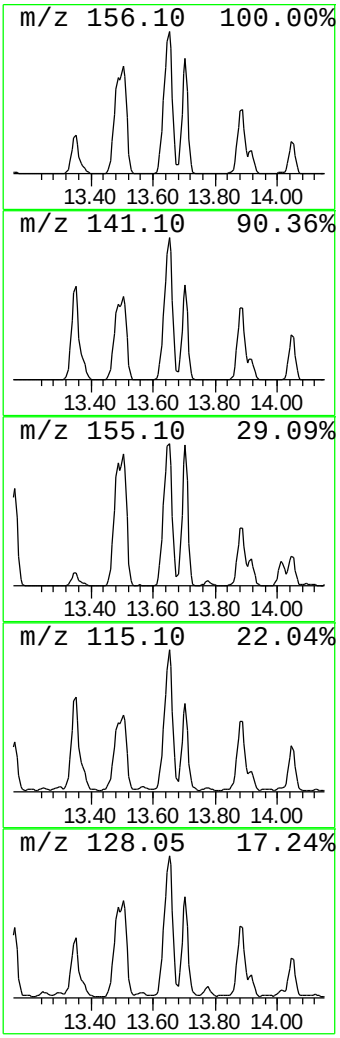
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	38.47 ng/ul	27436200	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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 2-Naphthalenecarbonitrile Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	4.88 ng/ul	3477790	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
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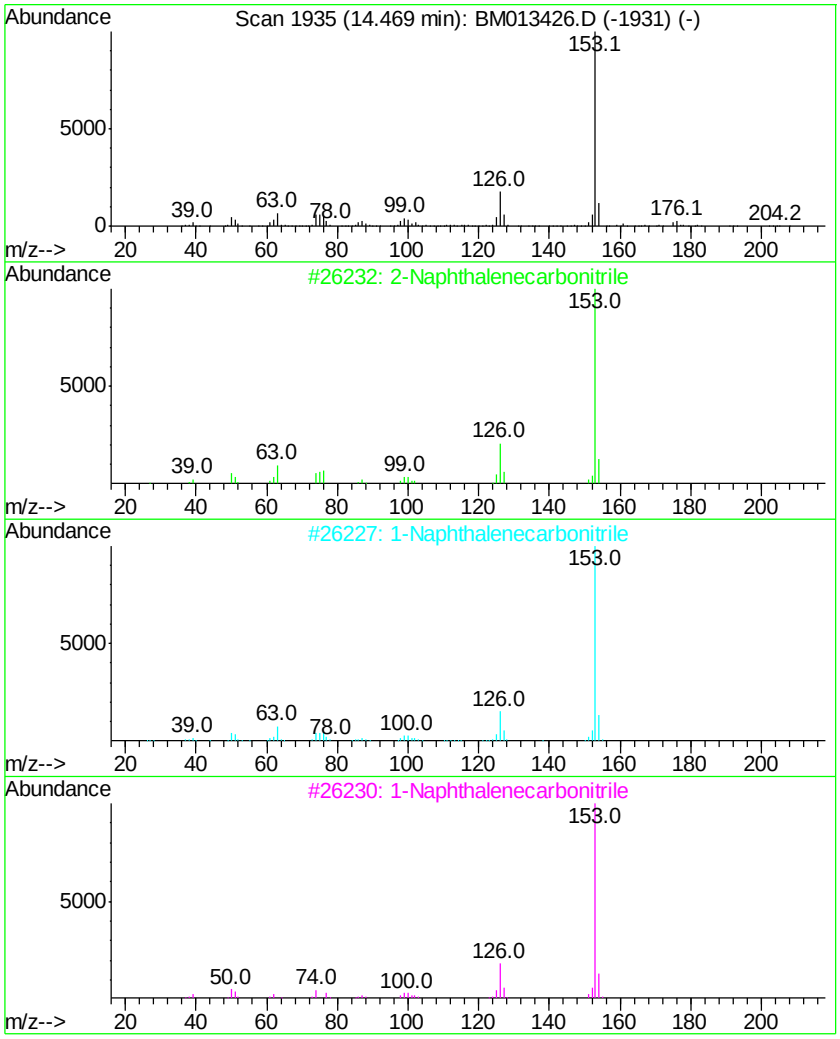

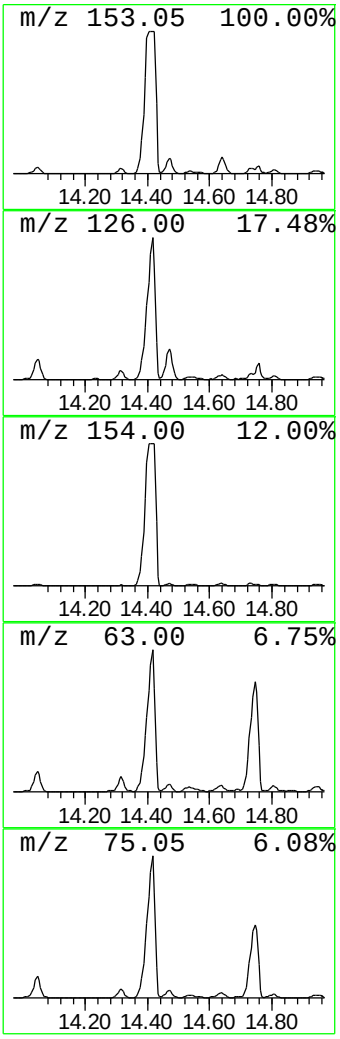

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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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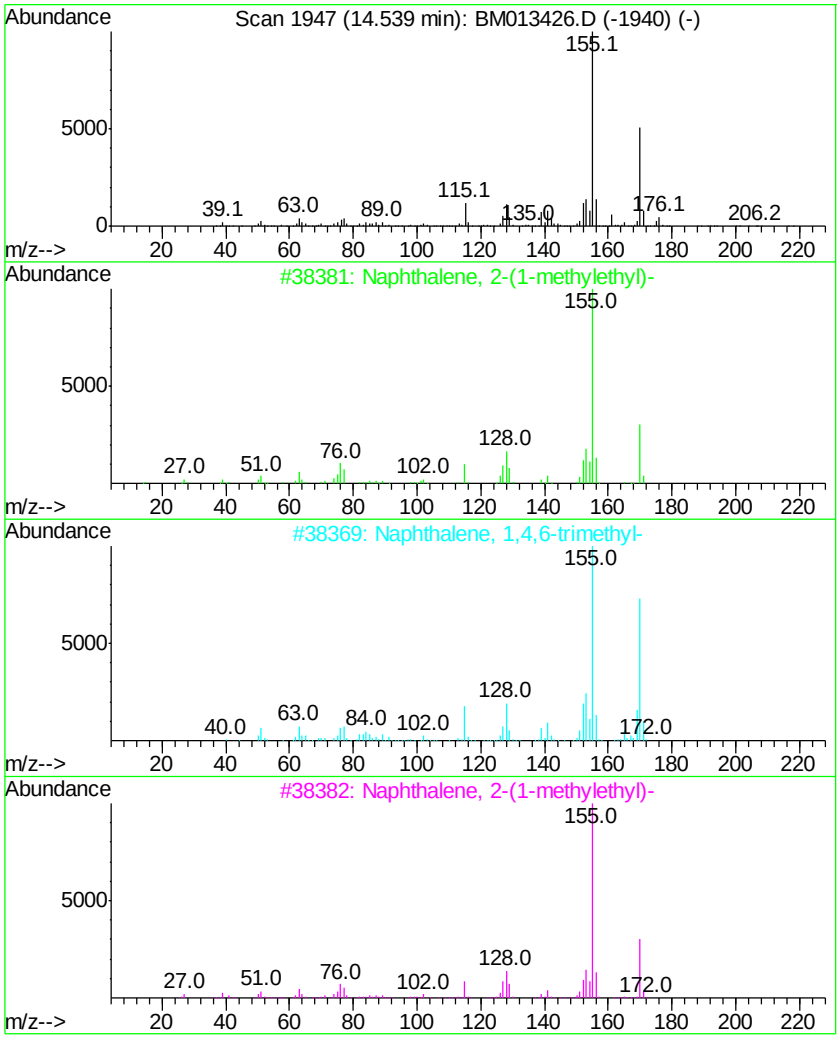
Quant Title : SVOA CALIBRATION

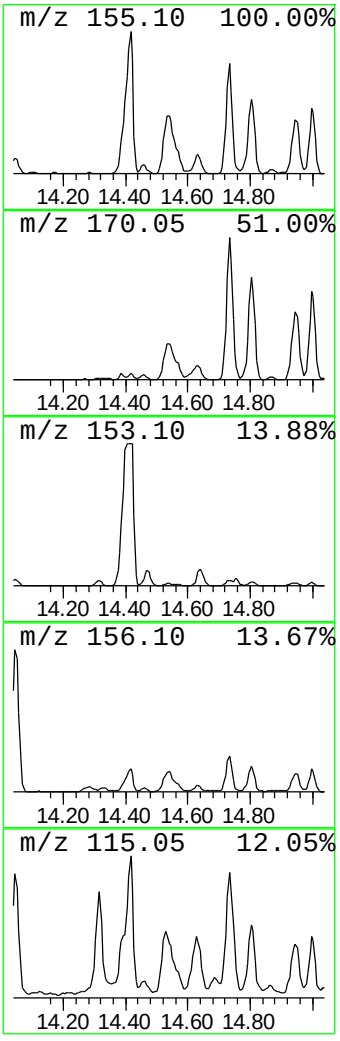
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2-(1-methyleth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	9.71 ng/ul	6927870	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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Quant Title : SVOA CALIBRATION

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

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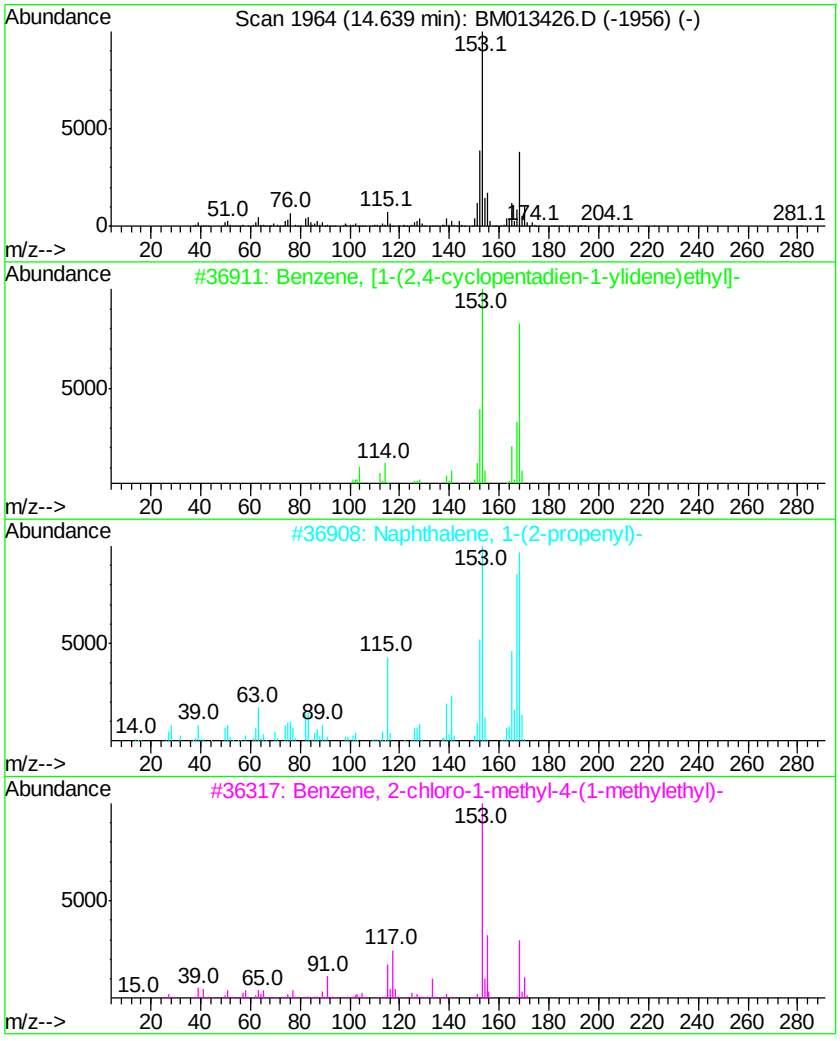
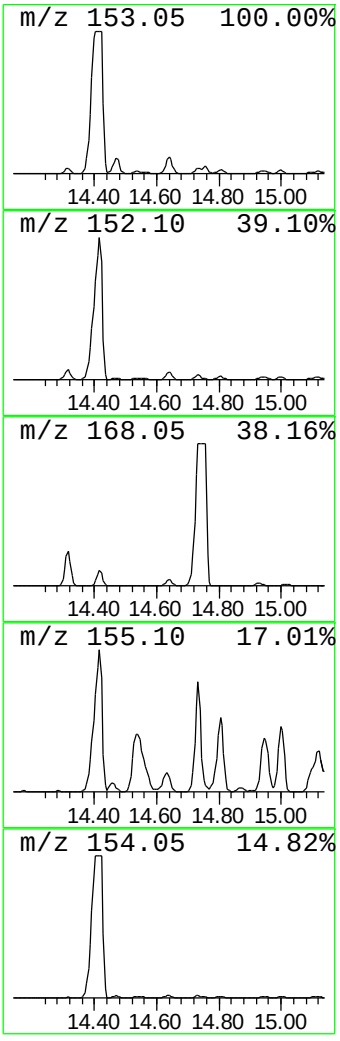
Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	8.93 ng/ul	6367840	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
5	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	47





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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 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	8.40 ng/ul	5989260	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
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, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
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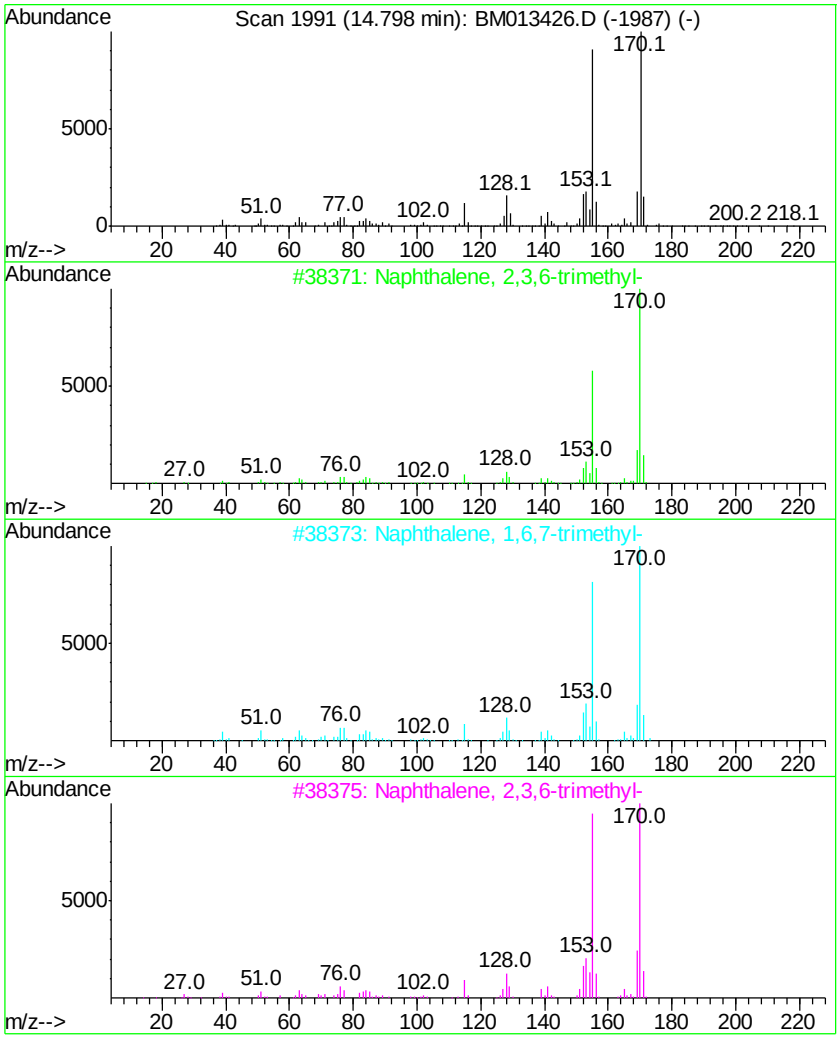

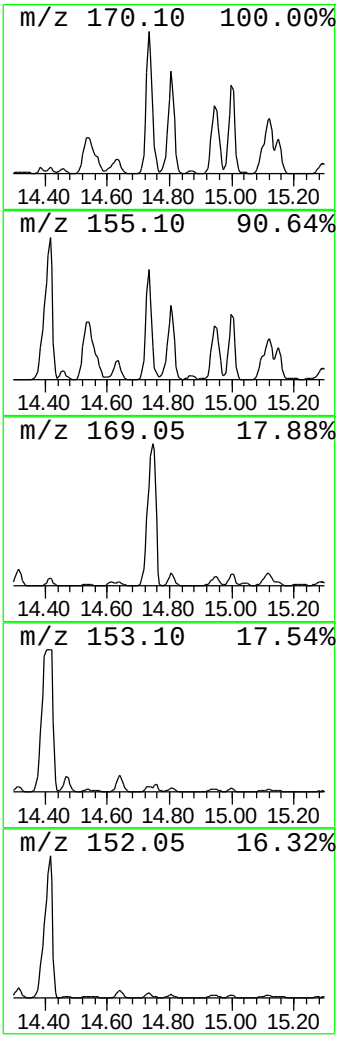

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Instrument : BNA_M
ClientSampleId : F9A78

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Quant Title : SVOA CALIBRATION

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

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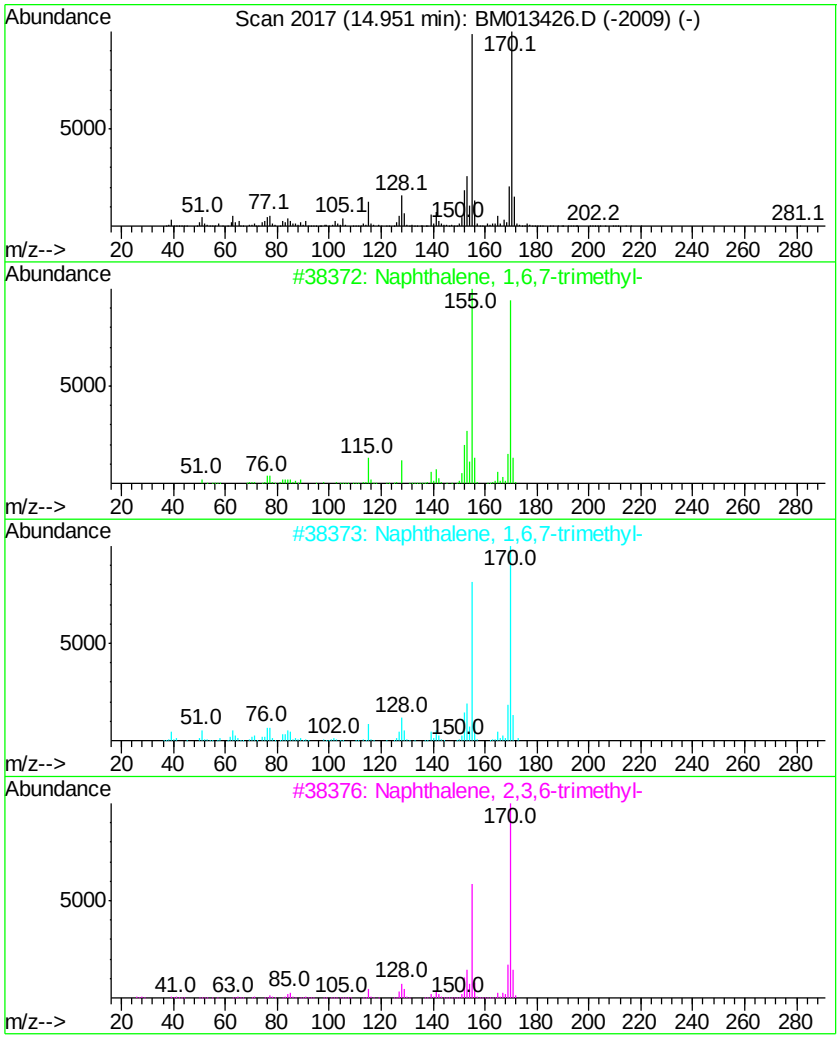
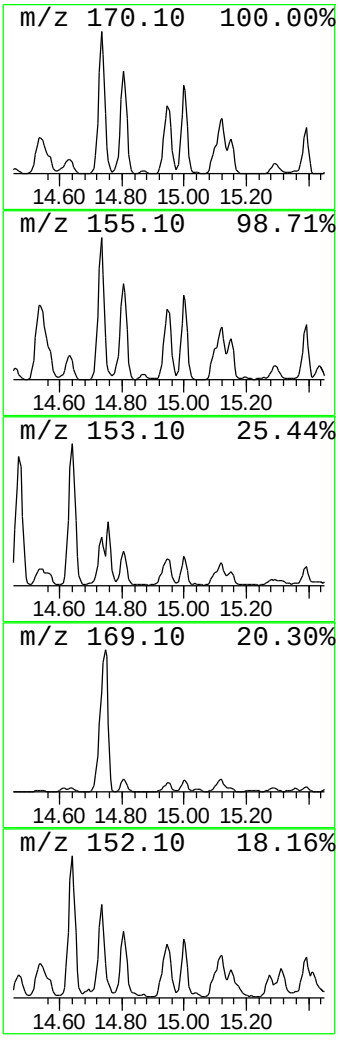
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	9.30 ng/ul	6629000	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	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





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Misc :
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Instrument : BNA_M
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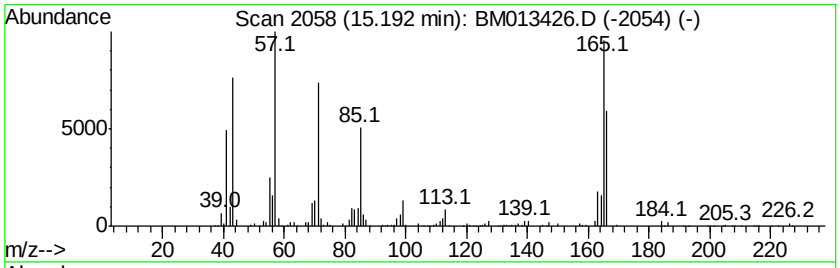
Quant Title : SVOA CALIBRATION

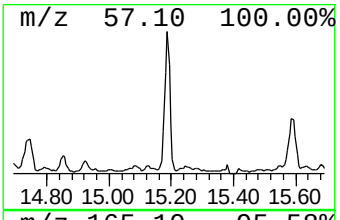
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

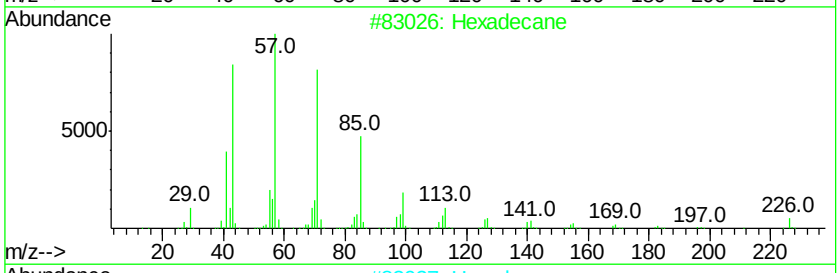
****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 24

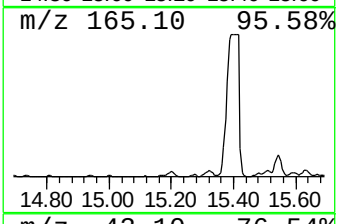
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.82 ng/ul	3435710	Acenaphthene-d10	14.32

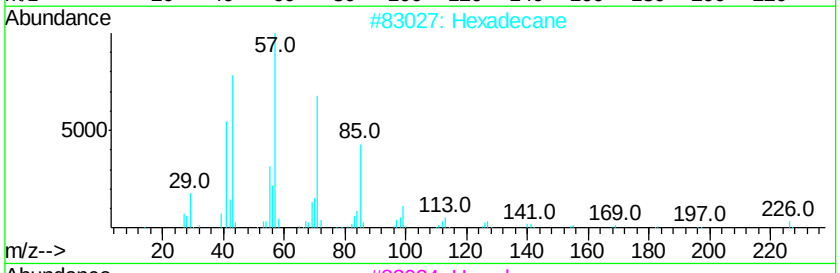
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexadecane	226	C16H34	000544-76-3	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptadecane	240	C17H36	000629-78-7	52
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	52

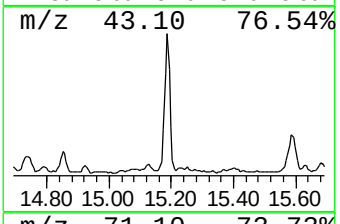


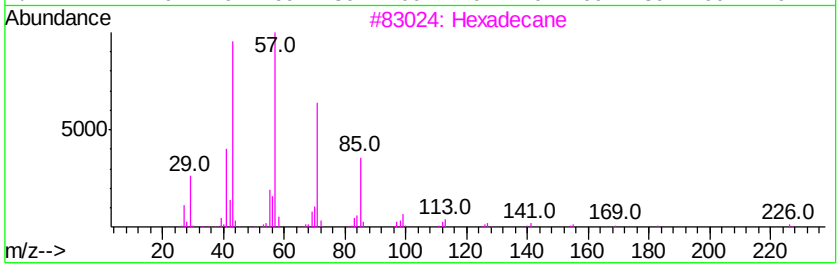


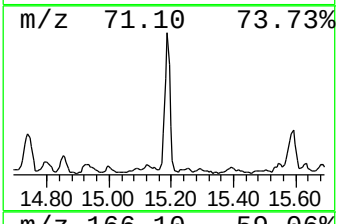


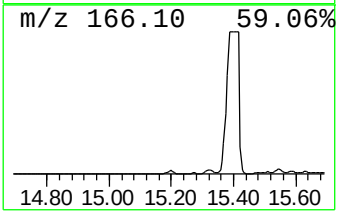












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Misc :
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Instrument : BNA_M
ClientSampleId : F9A78

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Quant Title : SVOA CALIBRATION

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

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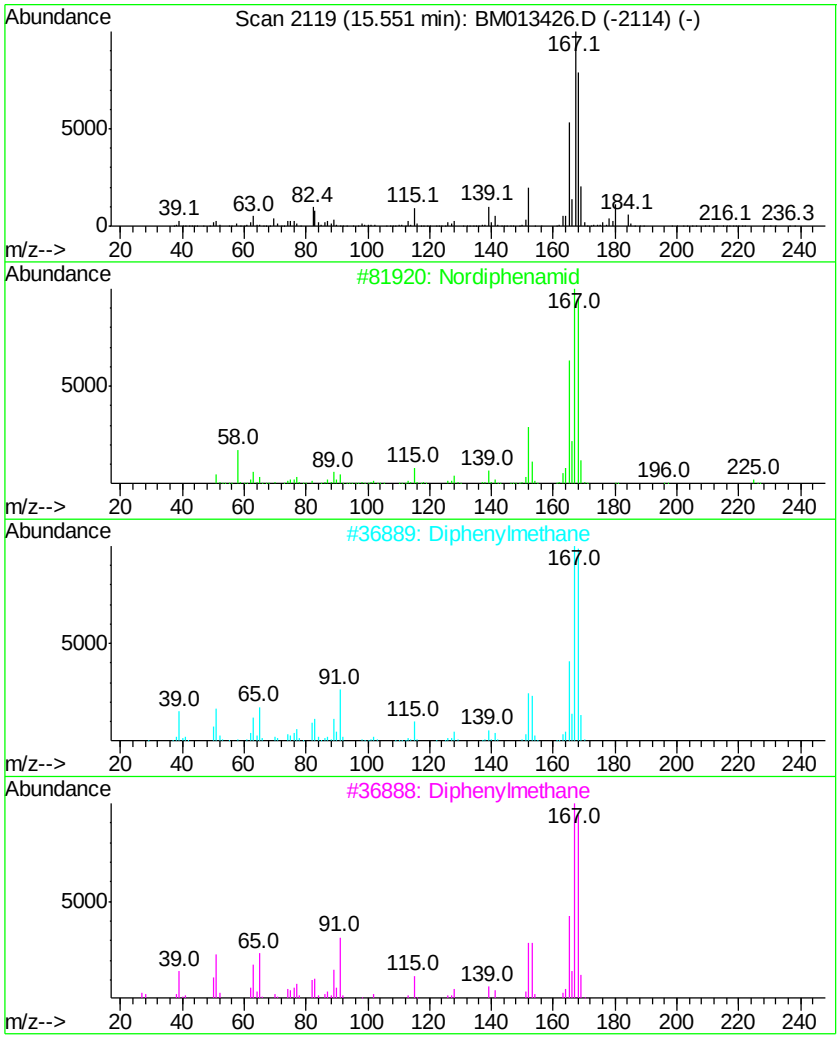
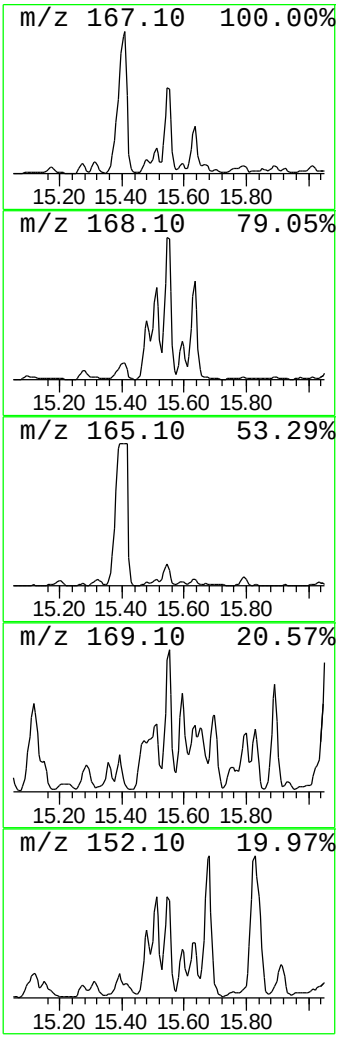
Peak Number 18 Nordiphenamid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	19.83 ng/ul	14143600	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	64
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Diphenylmethane	168	C13H12	000101-81-5	52
4	Diphenylmethane	168	C13H12	000101-81-5	47
5	Diphenylmethane	168	C13H12	000101-81-5	47





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

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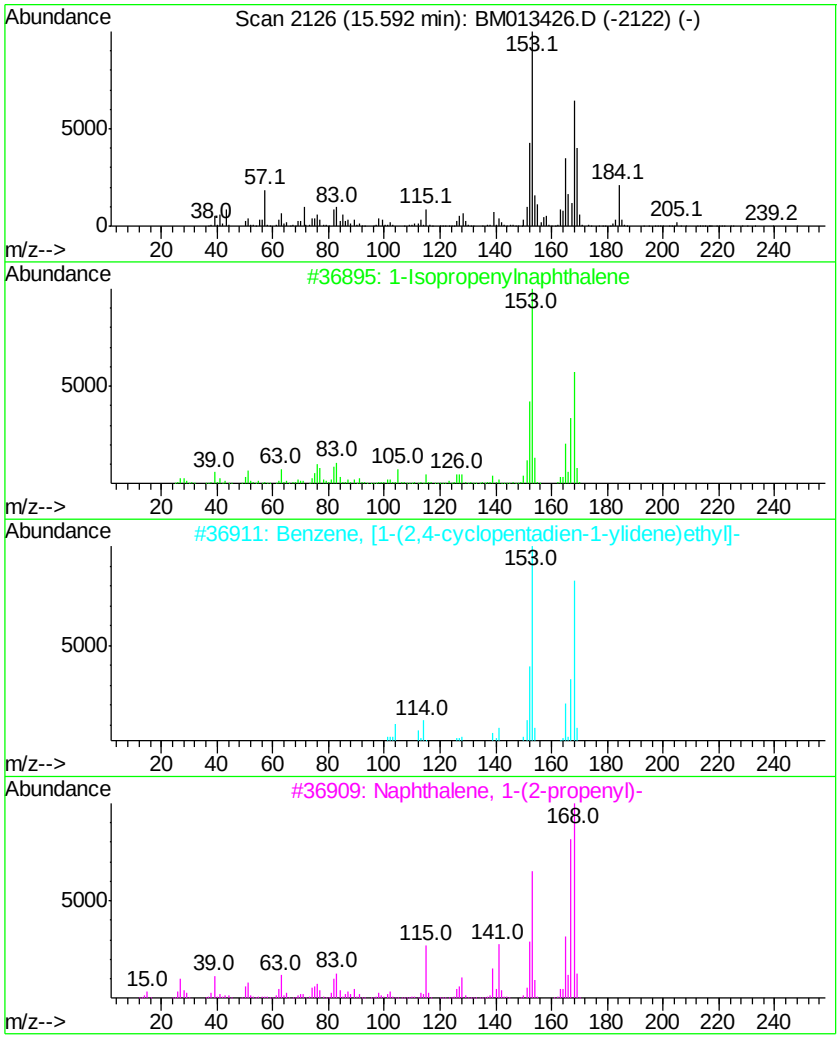
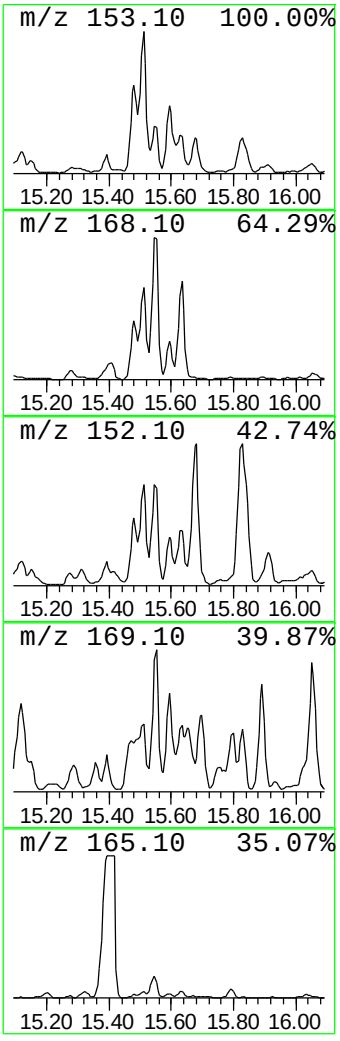
Peak Number 19 1-Isopropenylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	7.61 ng/ul	5428750	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	53
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	49
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	47
4	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	45
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43





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Quant Title : SVOA CALIBRATION

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

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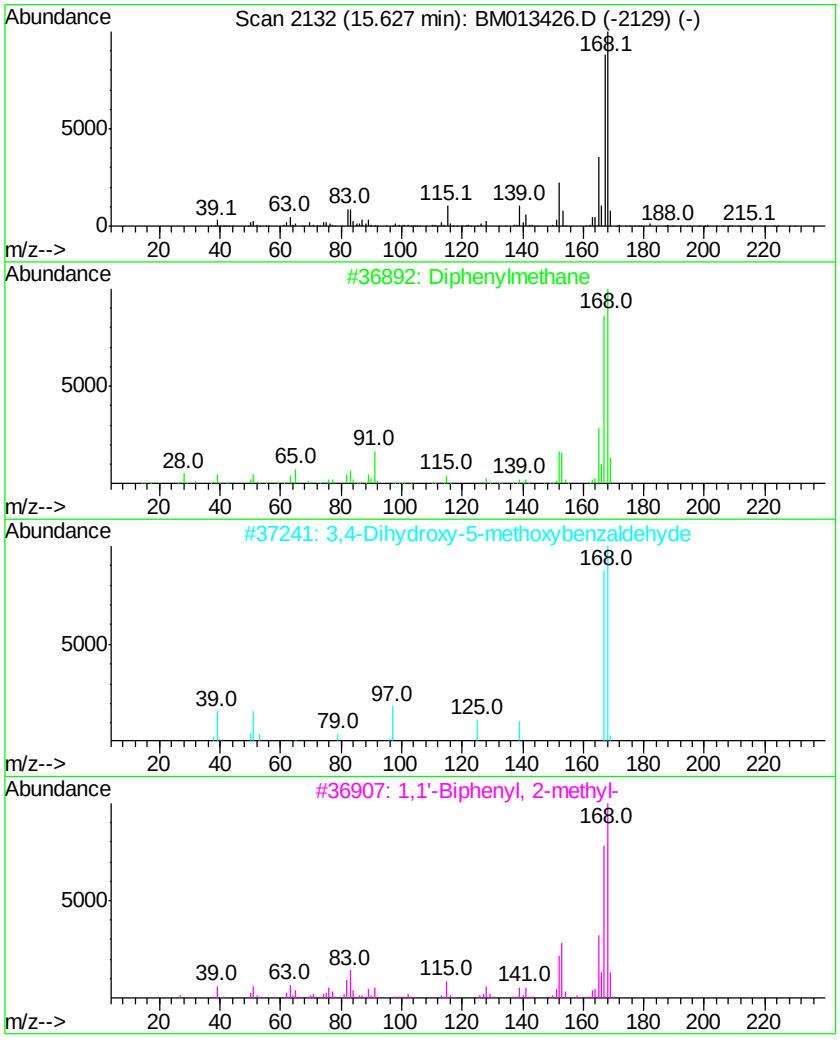
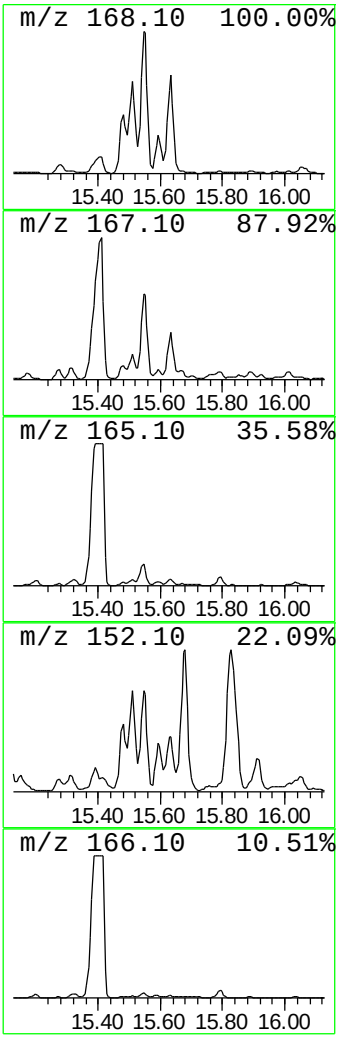
Peak Number 20 Diphenylmethane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	9.55 ng/ul	6808820	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	72
2	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
5	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	59





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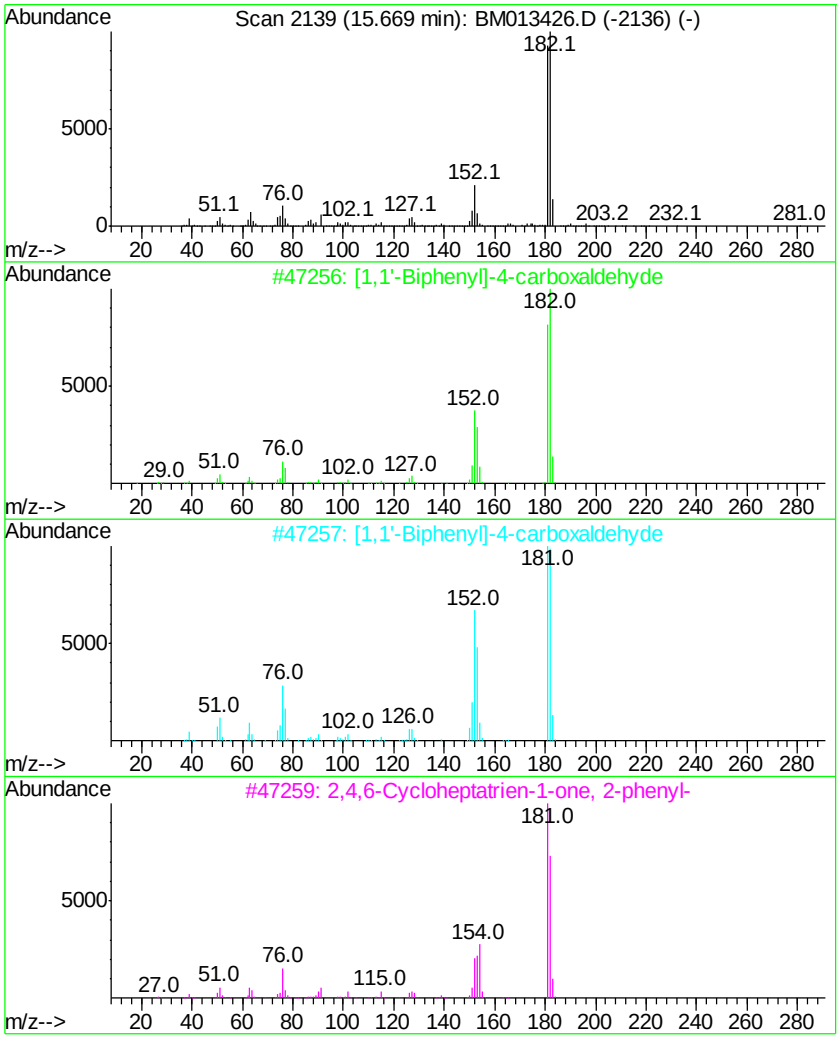
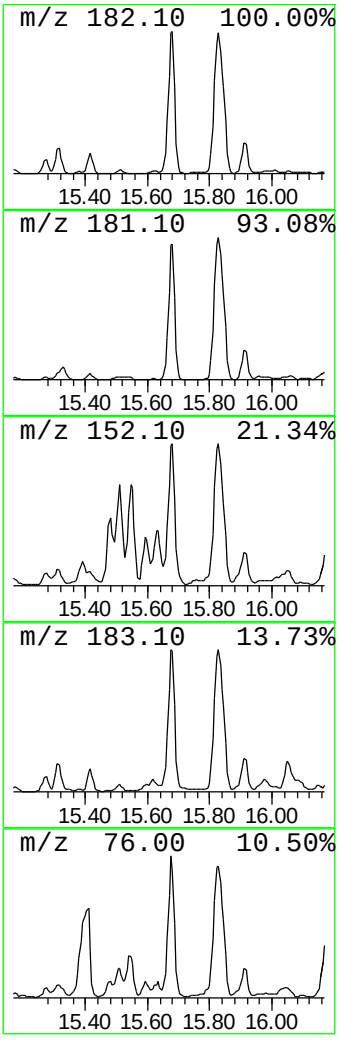
Peak Number 21 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	23.00 ng/ul	16399700	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

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Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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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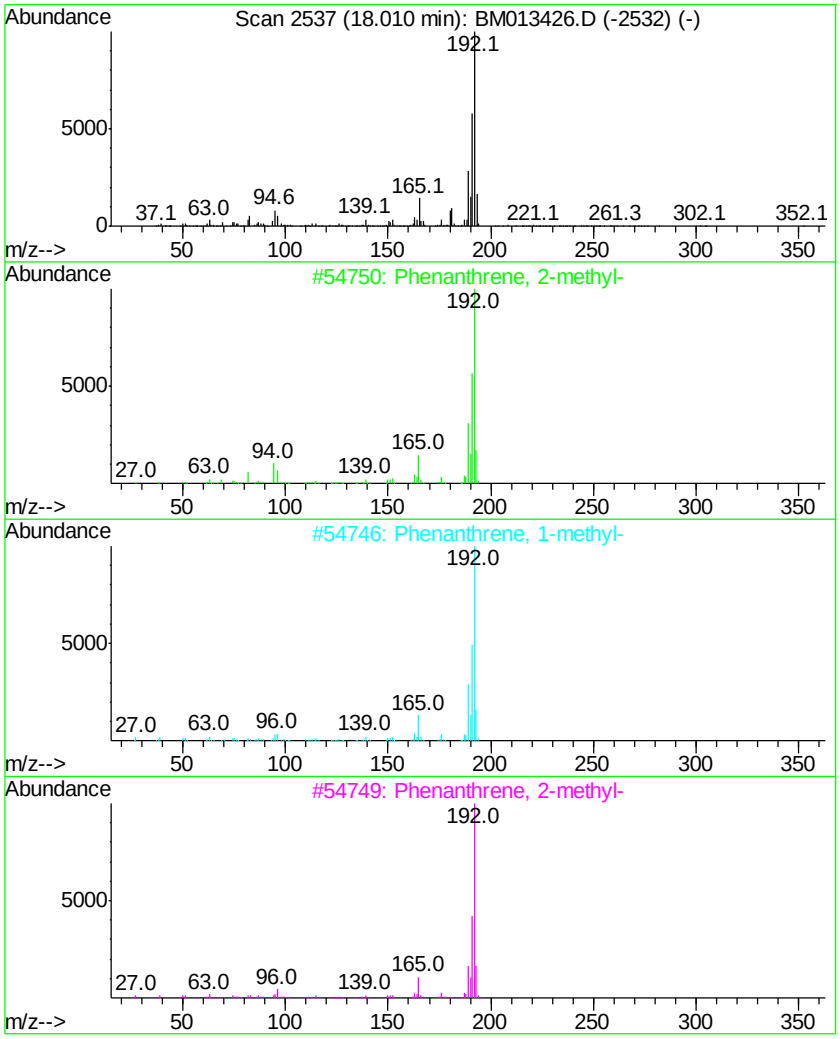
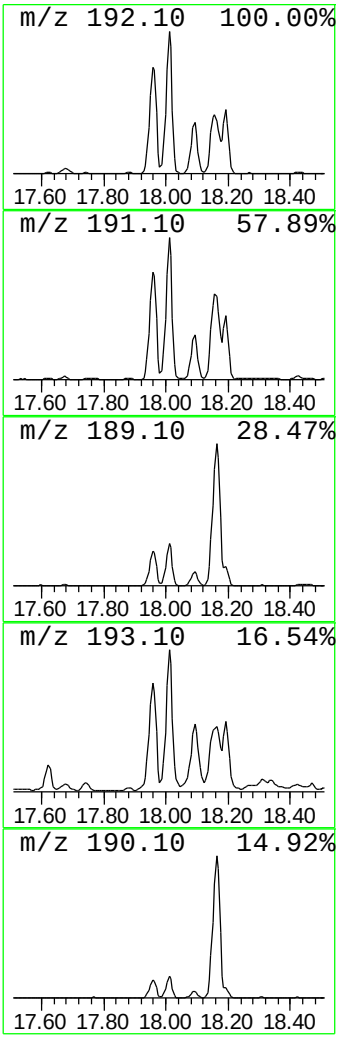
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.11 ng/ul	30041700	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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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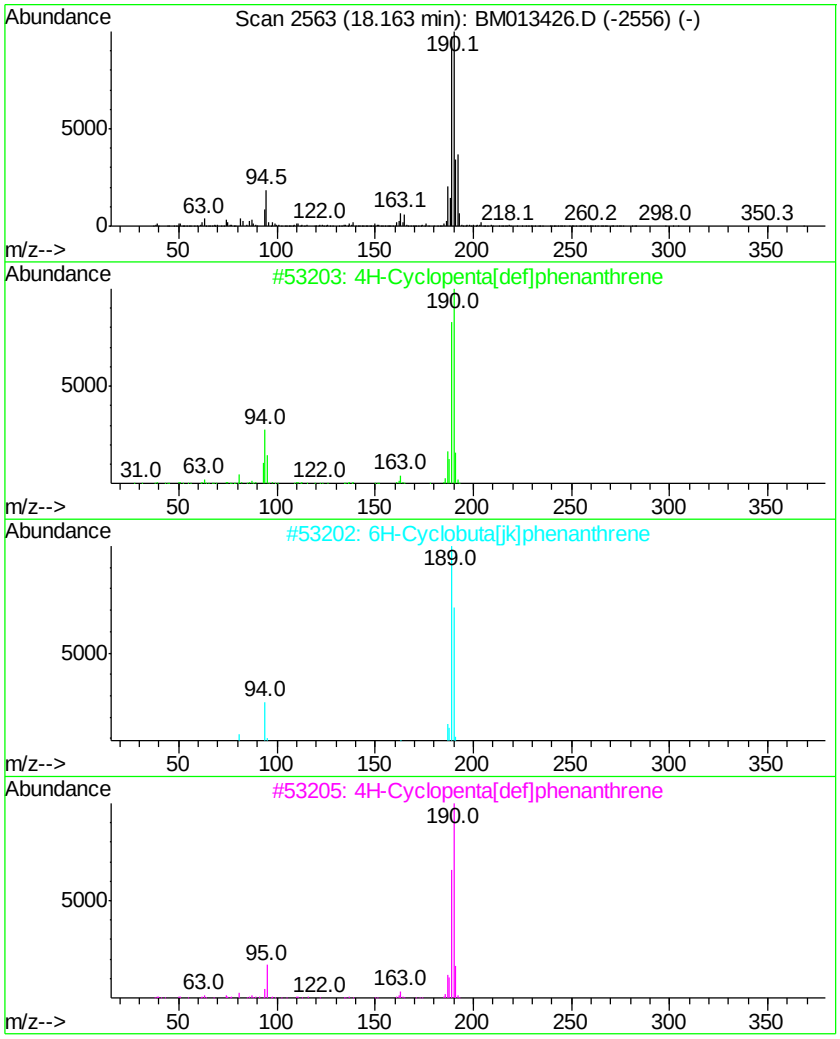
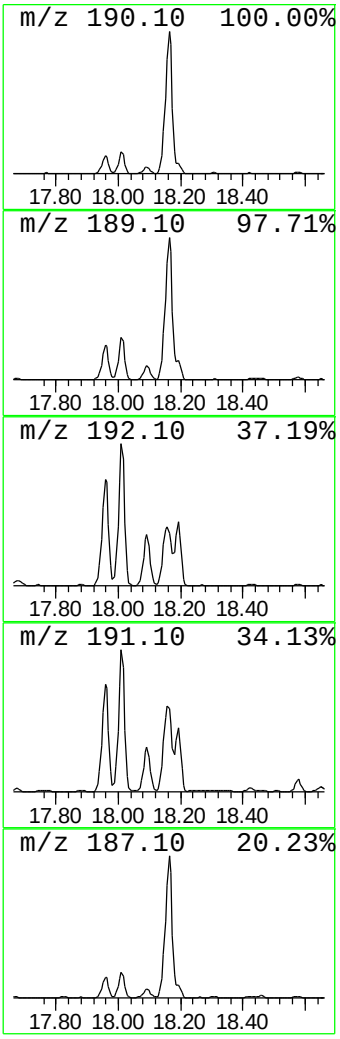
Peak Number 23 4H-Cyclopenta[def]phenanthrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.08 ng/ul	43903600	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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Quant Title : SVOA CALIBRATION

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

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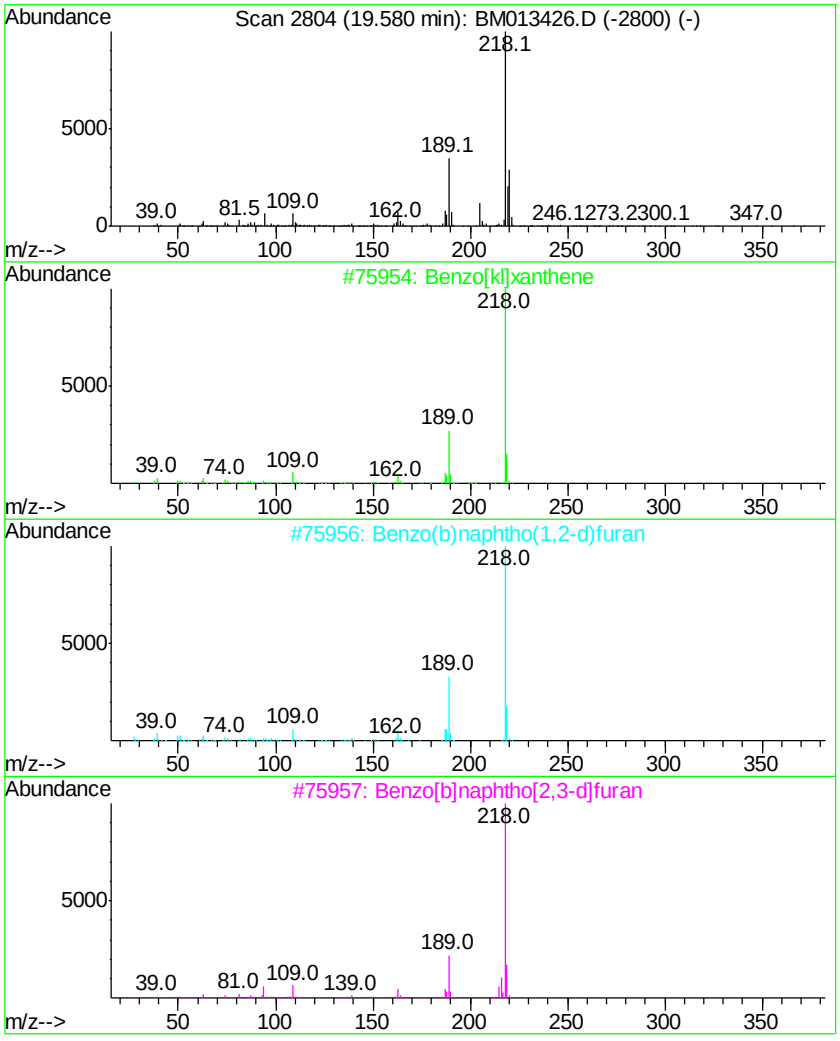
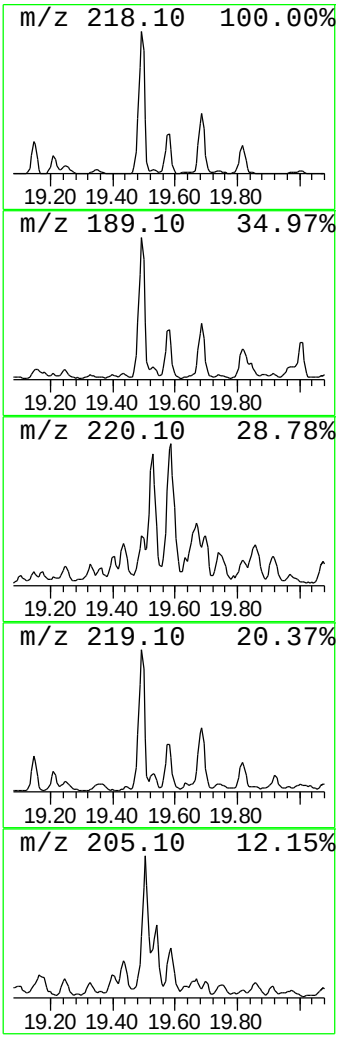
Peak Number 24 Benzo[kl]xanthene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	3.39 ng/ul	5598920	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	96
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	89





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Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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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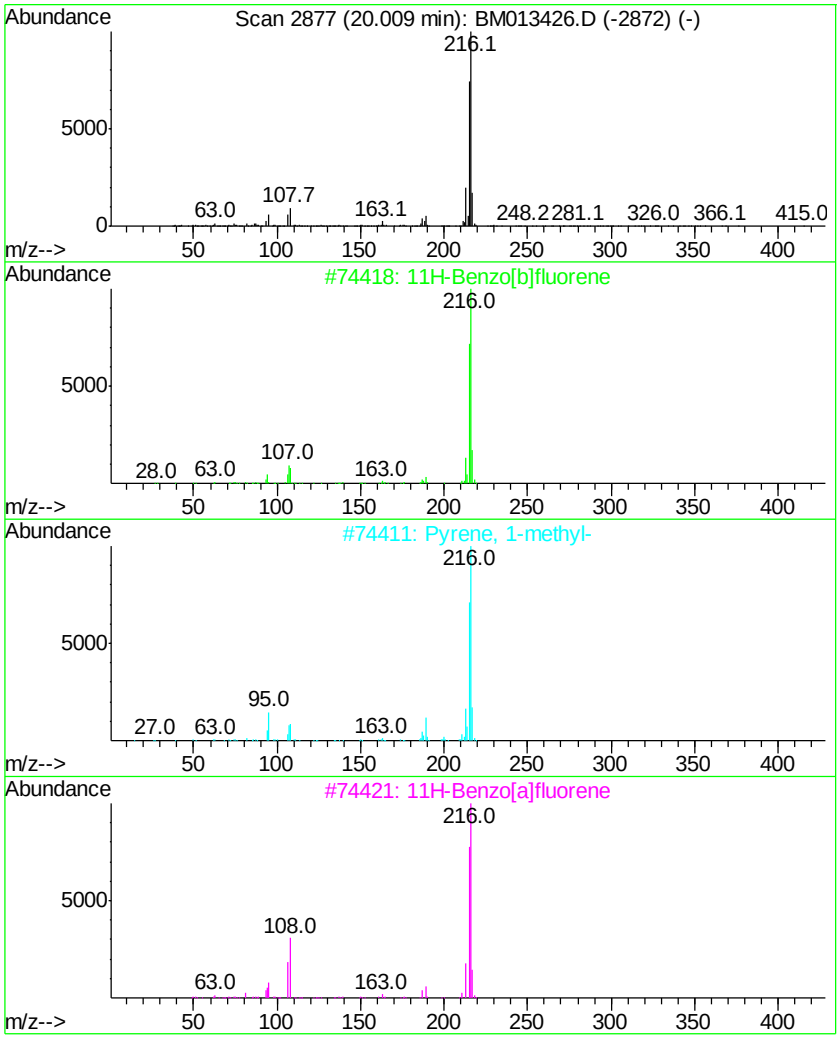
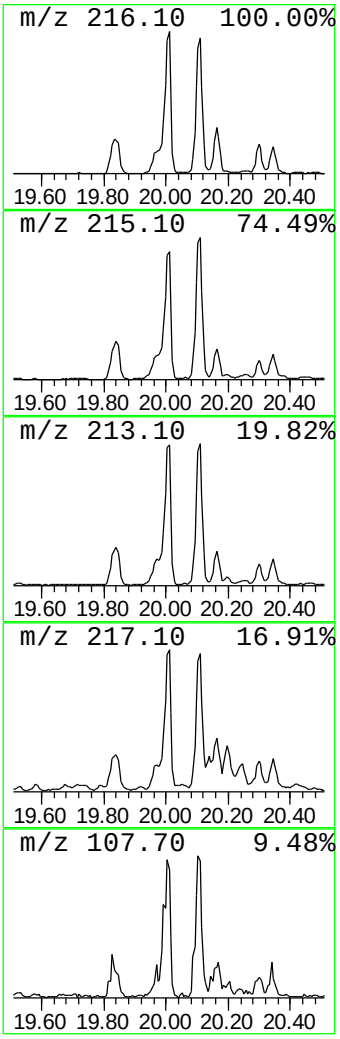
Peak Number 28 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	10.42 ng/ul	17216600	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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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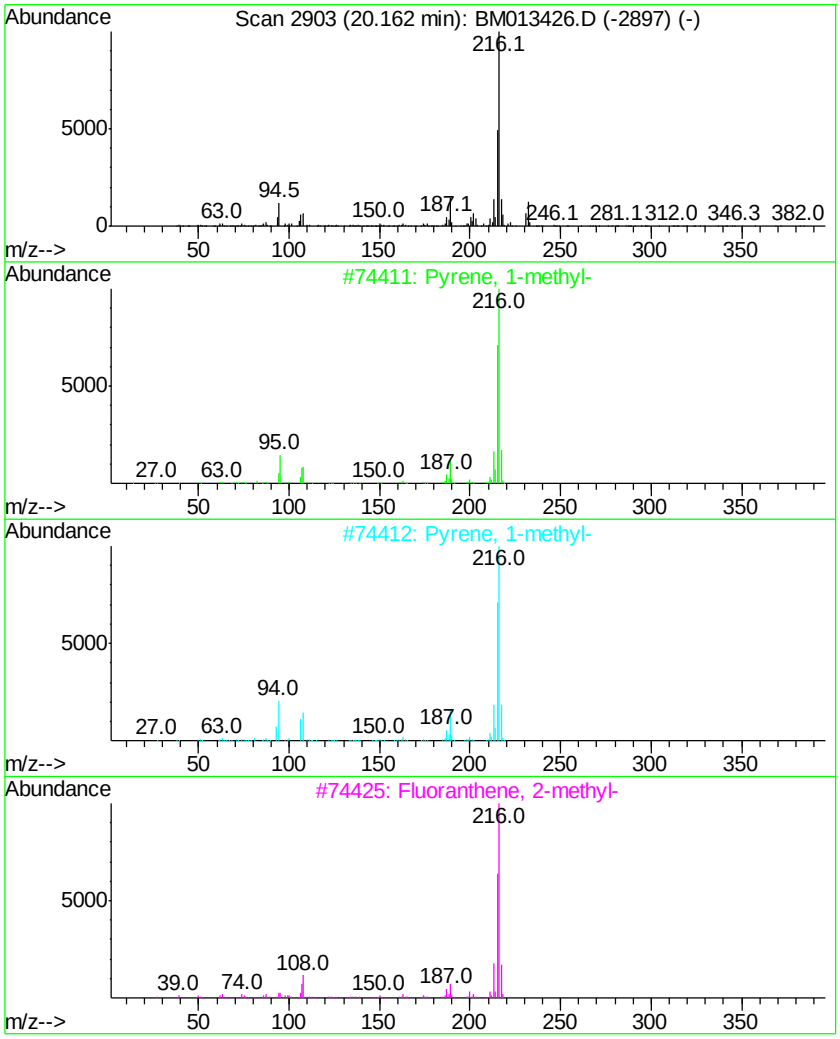
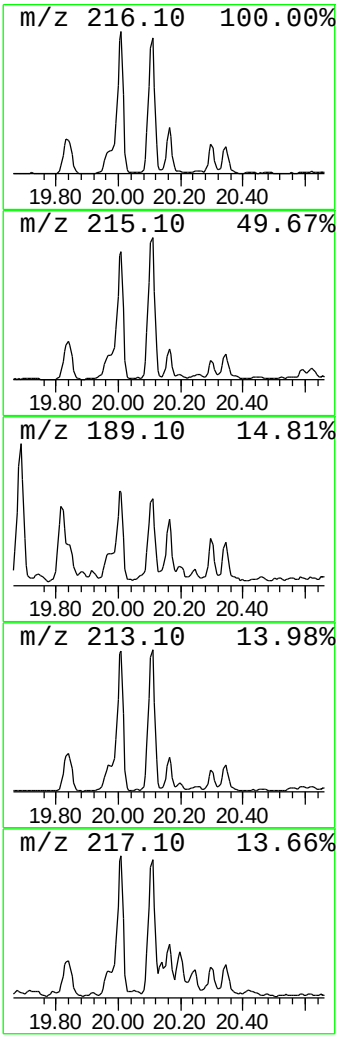
Peak Number 30 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	4.64 ng/ul	7665360	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81





Library Search Compound Report

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Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 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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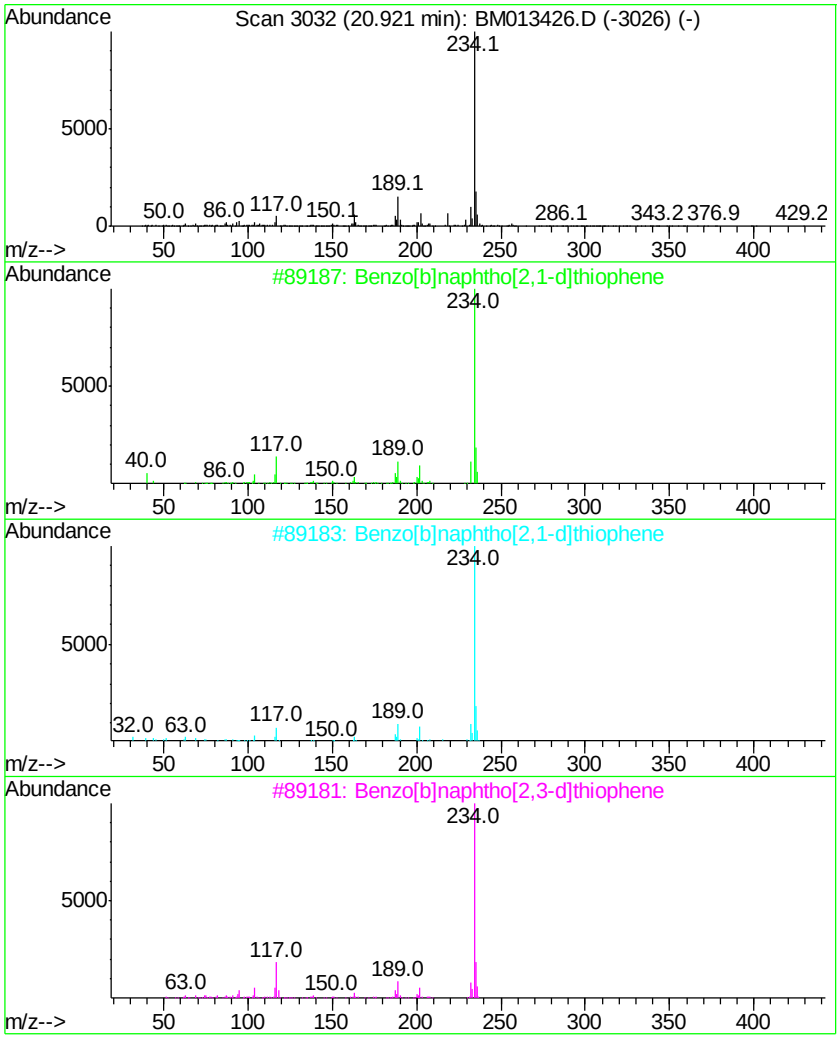
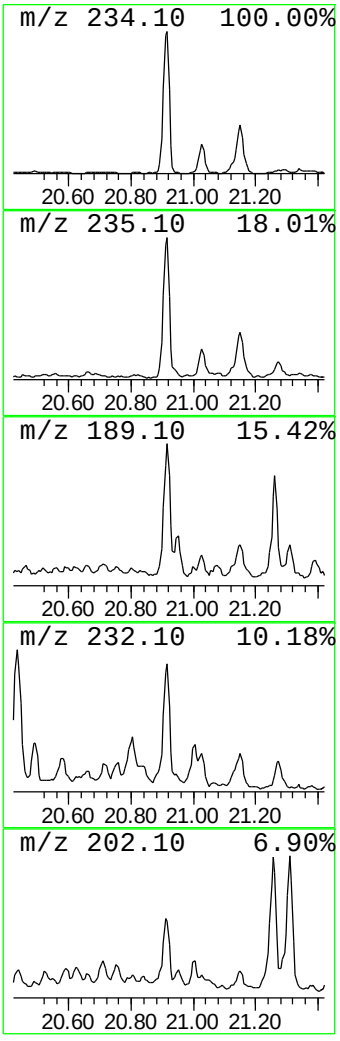
Peak Number 31 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.70 ng/ul	4457230	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





Tentatively Identified Compound (LSC) summary

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Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78

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
Benzene, cyclopro...	8.05	20.0	ng/ul	5504230	1	7.67	5504230	20.0
Indene	8.21	28.4	ng/ul	7801200	1	7.67	5504230	20.0
Naphthalene, 1-me...	12.37	4.1	ng/ul	49860900	2	10.48	241595000	20.0
Naphthalene, 1-et...	13.35	16.4	ng/ul	11731200	3	14.32	14262400	20.0
Naphthalene, 1,3-...	13.49	18.9	ng/ul	13489600	3	14.32	14262400	20.0
Naphthalene, 2,3-...	13.65	38.5	ng/ul	27436200	3	14.32	14262400	20.0
2-Naphthalenecarb...	14.47	4.9	ng/ul	3477790	3	14.32	14262400	20.0
Naphthalene, 2-(1...	14.54	9.7	ng/ul	6927870	3	14.32	14262400	20.0
Benzene, [1-(2,4-...	14.64	8.9	ng/ul	6367840	3	14.32	14262400	20.0
Naphthalene, 2,3,...	14.80	8.4	ng/ul	5989260	3	14.32	14262400	20.0
Naphthalene, 1,6,...	14.95	9.3	ng/ul	6629000	3	14.32	14262400	20.0
(DEL) Alkane: Str...	15.19	4.8	ng/ul	3435710	3	14.32	14262400	20.0
Nordiphenamid	15.55	19.8	ng/ul	14143600	3	14.32	14262400	20.0
1-Isopropenylnaph...	15.59	7.6	ng/ul	5428750	3	14.32	14262400	20.0
Diphenylmethane	15.63	9.6	ng/ul	6808820	3	14.32	14262400	20.0
[1,1'-Biphenyl]-4...	15.67	23.0	ng/ul	16399700	3	14.32	14262400	20.0
Phenanthrene, 2-m...	18.01	2.1	ng/ul	30041700	4	17.10	284766000	20.0
4H-Cyclopenta[def...	18.16	3.1	ng/ul	43903600	4	17.10	284766000	20.0
Benzo[kl]xanthene	19.58	3.4	ng/ul	5598920	5	21.27	33061200	20.0
11H-Benzo[b]fluorene	20.01	10.4	ng/ul	17216600	5	21.27	33061200	20.0
Pyrene, 1-methyl-	20.16	4.6	ng/ul	7665360	5	21.27	33061200	20.0
Benzo[b]naphtho[2...	20.92	2.7	ng/ul	4457230	5	21.27	33061200	20.0