LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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	7640051	12177053	1.68%	0.241%
2	8.210	864	871	881	rVB	10853648	17648607	2.43%	0.349%
3	9.857	1138	1151	1162	rBV3	4174295	13425526	1.85%	0.265%
4	10.616	1256	1280	1284	rVV5	112318760	510666079	70.38%	10.088%
5	10.675	1284	1290	1295	rVB	16006712	22380647	3.08%	0.442%
6	12.181	1527	1546	1550	rBV4	77485776	217276480	29.95%	4.292%
7	12.263	1554	1560	1567	rVV3	3416711	7336226	1.01%	0.145%
8	12.392	1567	1582	1586	rVB3	59589093	122384014	16.87%	2.418%
9	13.163	1705	1713	1718	rBV2	33340567	56914332	7.84%	1.124%
10	13.357	1739	1746	1756	rVB	15198734	29782780	4.10%	0.588%
11	13.516	1756	1773	1778	rBV	25907112	69702014	9.61%	1.377%
12	13.669	1788	1799	1803	rBV	32753477	71863390	9.90%	1.420%
13	13.716	1803	1807	1812	rVV	26608581	37825391	5.21%	0.747%
14	13.892	1827	1837	1841	rBV	16828031	30655748	4.23%	0.606%
15	14.057	1860	1865	1872	rVB	21094276	31339453	4.32%	0.619%
16	14.345	1907	1914	1918	rBV	19498160	29563947	4.07%	0.584%
17	14.433	1918	1929	1930	rBV3	86162845	183823339	25.34%	3.631%
18	14.545	1943	1948	1958	rVB	6678938	18876331	2.60%	0.373%
19	14.645	1958	1965	1971	rBV2	8940370	16173768	2.23%	0.320%
20	14.763	1972	1985	1986	rBV2	68125332	126491554	17.43%	2.499%
21	14.816	1991	1994	1999	rVB	10933494	13959399	1.92%	0.276%
22	14.957	2011	2018	2022	rBV2	9020583	16062875	2.21%	0.317%
23	15.010	2022	2027	2032	rVB	10586474	13718139	1.89%	0.271%
24	15.127	2038	2047	2050	rBV2	7225315	15669354	2.16%	0.310%
25	15.198	2056	2059	2069	rVB2	5337489	8373396	1.15%	0.165%
26	15.298	2070	2076	2079	rBV3	4372496	7752117	1.07%	0.153%
27	15.339	2079	2083	2087	rVV2	8462210	16000682	2.21%	0.316%
28	15.439	2087	2100	2104	rVV4	84835497	257432810	35.48%	5.086%
29	15.498	2104	2110	2112	rVV2	8273846	12876304	1.77%	0.254%
30	15.527	2112	2115	2118	rVV	14243735	21972548	3.03%	0.434%
31	15.563	2118	2121	2125	rVV2	24606791	37795782	5.21%	0.747%
32	15.610	2125	2129	2132	rVV2	8098315	14082949	1.94%	0.278%
33	15.645	2132	2135	2138	rVV	12241182	17205981	2.37%	0.340%
34	15.698	2138	2144	2150	rVB	28118147	46037235	6.35%	0.909%

LSC Area Percent Report

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Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

35	15.804	2157	2162	2164	rBV3	5695130	8611458	1.19%	0.170%
36	15.845	2164	2169	2175	rVV	26790323	58124406	8.01%	1.148%
37	15.927	2180	2183	2187	rVB	6689688	8356476	1.15%	0.165%
38	16.045	2196	2203	2212	rVB4	10597677	24720323	3.41%	0.488%
39	16.180	2218	2226	2232	rBV3	13660782	23316712	3.21%	0.461%
40	16.398	2250	2263	2268	rBV2	23405906	53435777	7.36%	1.056%
41	16.451	2268	2272	2277	rVV2	9588890	13820084	1.90%	0.273%
42	16.545	2284	2288	2292	rVB	9749741	13850091	1.91%	0.274%
43	16.627	2298	2302	2304	rVV	7399564	12904742	1.78%	0.255%
44	16.663	2305	2308	2319	rVV	9857441	24025058	3.31%	0.475%
45	16.745	2319	2322	2330	rVV5	3016872	7465031	1.03%	0.147%
46	16.839	2331	2338	2342	rVV2	12313101	29137218	4.02%	0.576%
47	16.921	2346	2352	2369	rVB2	39546283	77299719	10.65%	1.527%
48	17.239	2380	2406	2409	rBV6	146209248	725543580	100.00%	14.333%
49	17.292	2409	2415	2418	rVV3	75318412	129461173	17.84%	2.558%
50	17.321	2418	2420	2425	rVV	13829694	16214698	2.23%	0.320%
51	17.386	2425	2431	2437	rVV3	3468890	8607551	1.19%	0.170%
52	17.527	2445	2455	2462	rVV2	33189632	69126420	9.53%	1.366%
53	17.615	2467	2470	2474	rVV2	8234230	11692456	1.61%	0.231%
54	17.680	2476	2481	2489	rVB3	7805532	15897578	2.19%	0.314%
55	17.815	2499	2504	2509	rBV	6026178	10779148	1.49%	0.213%
56	17.980	2522	2532	2536	rBV	37890318	71444766	9.85%	1.411%
57	18.039	2536	2542	2547	rVB2	54851873	86679856	11.95%	1.712%
58	18.121	2549	2556	2560	rBV	16713928	30400652	4.19%	0.601%
59	18.192	2560	2568	2572	rBV3	61626434	136647478	18.83%	2.699%
60	18.274	2577	2582	2586	rVV3	5745449	7507703	1.03%	0.148%
61	18.474	2610	2616	2621	rVB	28252364	39316600	5.42%	0.777%
62	18.710	2652	2656	2661	rVB	6165586	8145522	1.12%	0.161%
63	18.762	2661	2665	2669	rBV	6309438	8228998	1.13%	0.163%
64	18.892	2679	2687	2691	rBV	12162559	26680122	3.68%	0.527%
65	18.957	2695	2698	2707	rVB	5892633	12622087	1.74%	0.249%
66	19.221	2726	2743	2746	rBV5	109599697	345136077	47.57%	6.818%
67	19.262	2746	2750	2756	rVV3	4161254	8336319	1.15%	0.165%
68	19.315	2756	2759	2766	rVB	5148374	7414550	1.02%	0.146%
69	19.409	2770	2775	2780	rVB	7629970	10786861	1.49%	0.213%
70	19.551	2787	2799	2801	rBV3	91613213	215581701	29.71%	4.259%
71	19.604	2806	2808	2814	rVB2	11807965	12206555	1.68%	0.241%

LSC Area Percent Report

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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
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72	19.704	2820	2825	2830	rVB	10987012	14914796	2.06%	0.295%
73	19.857	2842	2851	2855	rBV4	10077205	26241115	3.62%	0.518%
74	19.980	2867	2872	2873	rVV2	7312436	10603145	1.46%	0.209%
75	20.033	2874	2881	2885	rVB	33700417	58801148	8.10%	1.162%
76	20.133	2891	2898	2901	rBV	35918039	53892878	7.43%	1.065%
77	20.186	2901	2907	2910	rVV2	12170639	23524119	3.24%	0.465%
78	20.321	2925	2930	2933	rBV	6414289	9239303	1.27%	0.183%
79	20.362	2933	2937	2948	rVB2	8476601	14296349	1.97%	0.282%
80	20.721	2993	2998	3002	rBV2	4346872	8021355	1.11%	0.158%
81	20.927	3027	3033	3036	rBV	11013307	15481186	2.13%	0.306%
82	20.962	3036	3039	3043	rVV	9594068	13969663	1.93%	0.276%
83	21.009	3043	3047	3051	rVB2	5764432	8268002	1.14%	0.163%
84	21.280	3082	3093	3097	rVV3	46425780	93213109	12.85%	1.841%
85	21.339	3097	3103	3106	rVV2	41009658	63666428	8.77%	1.258%
86	21.439	3116	3120	3126	rVV	9838898	14087873	1.94%	0.278%
87	21.592	3141	3146	3151	rVV2	6001386	9971611	1.37%	0.197%
88	21.827	3180	3186	3191	rVV	7013519	13908443	1.92%	0.275%
89	22.856	3351	3361	3365	rBV	15383121	39128161	5.39%	0.773%
90	23.327	3433	3441	3445	rBV	8303639	15997874	2.20%	0.316%
91	23.427	3451	3458	3466	rVB	13316738	26431846	3.64%	0.522%
92	23.556	3475	3480	3487	rVB2	4296134	8493981	1.17%	0.168%
93	25.762	3843	3855	3862	rVB	5051931	14941193	2.06%	0.295%
94	26.444	3960	3971	3987	rVB	3050214	10121040	1.39%	0.200%

Sum of corrected areas: 5061986414

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
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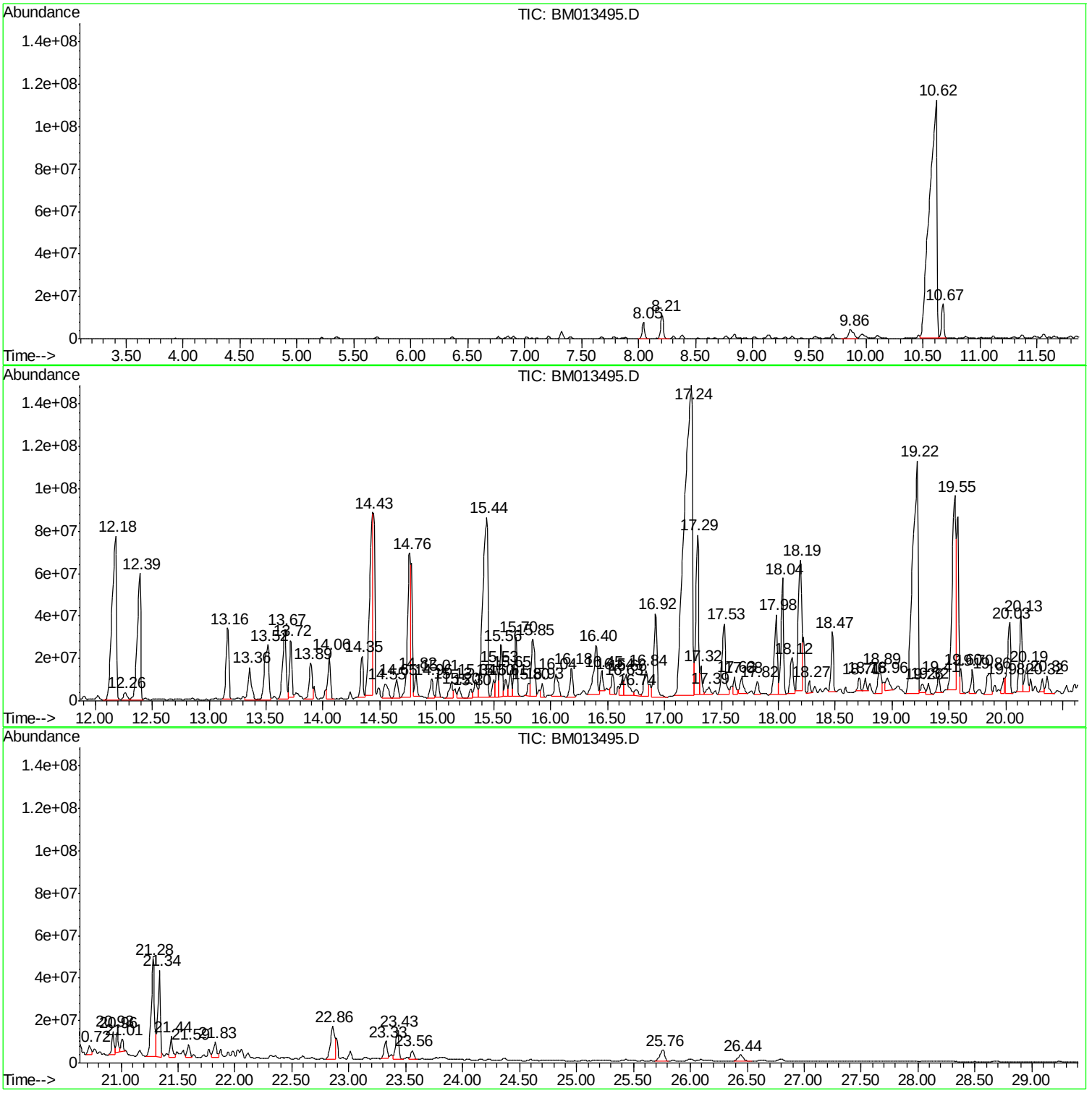
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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\BM121817\
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Instrument : BNA_M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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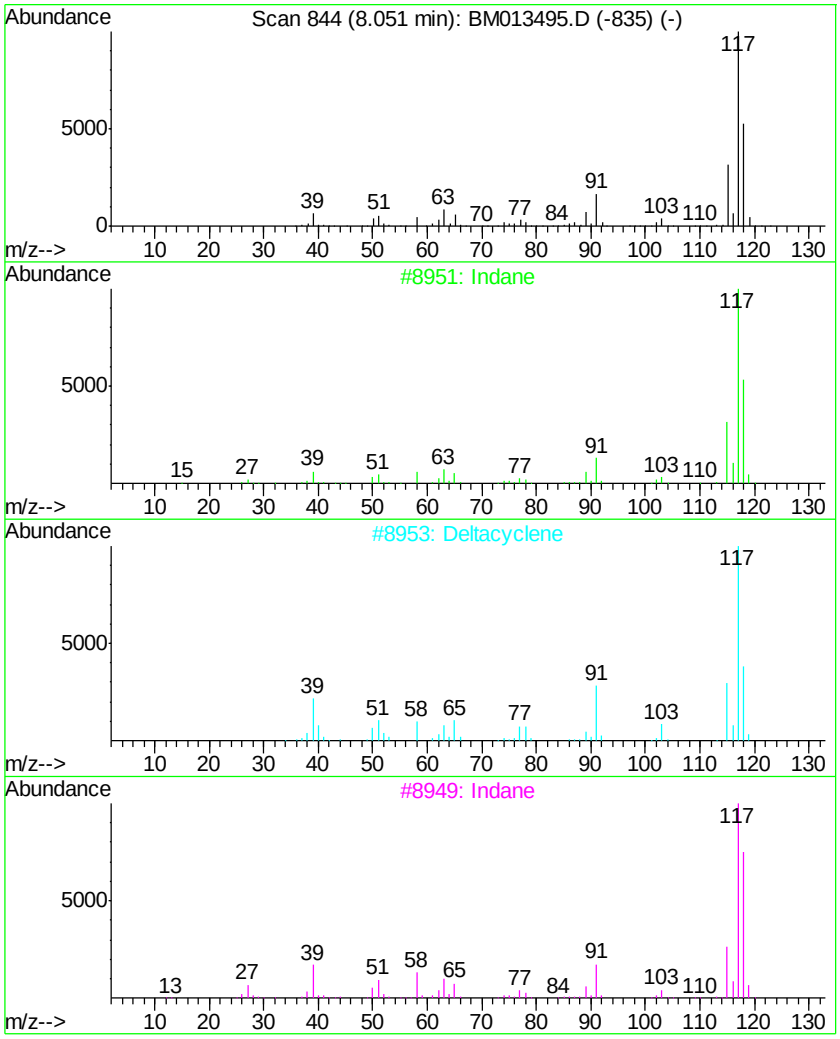
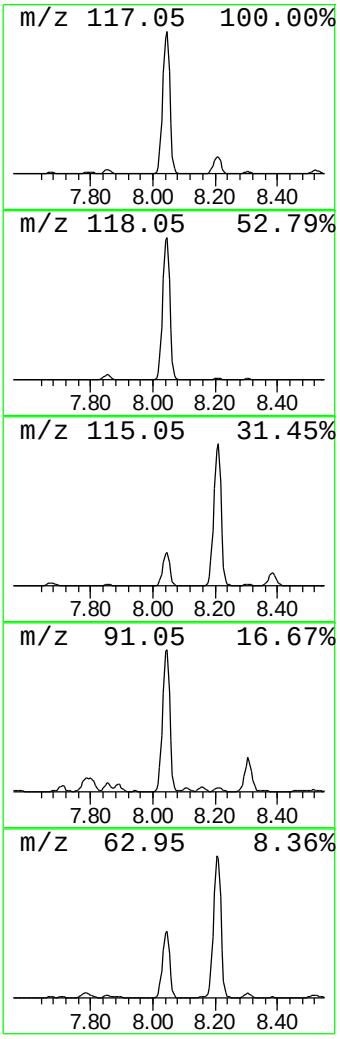
Peak Number 1 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	20.00 ng/ul	12177100	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Deltacyclene	118	C9H10	007785-10-6	68
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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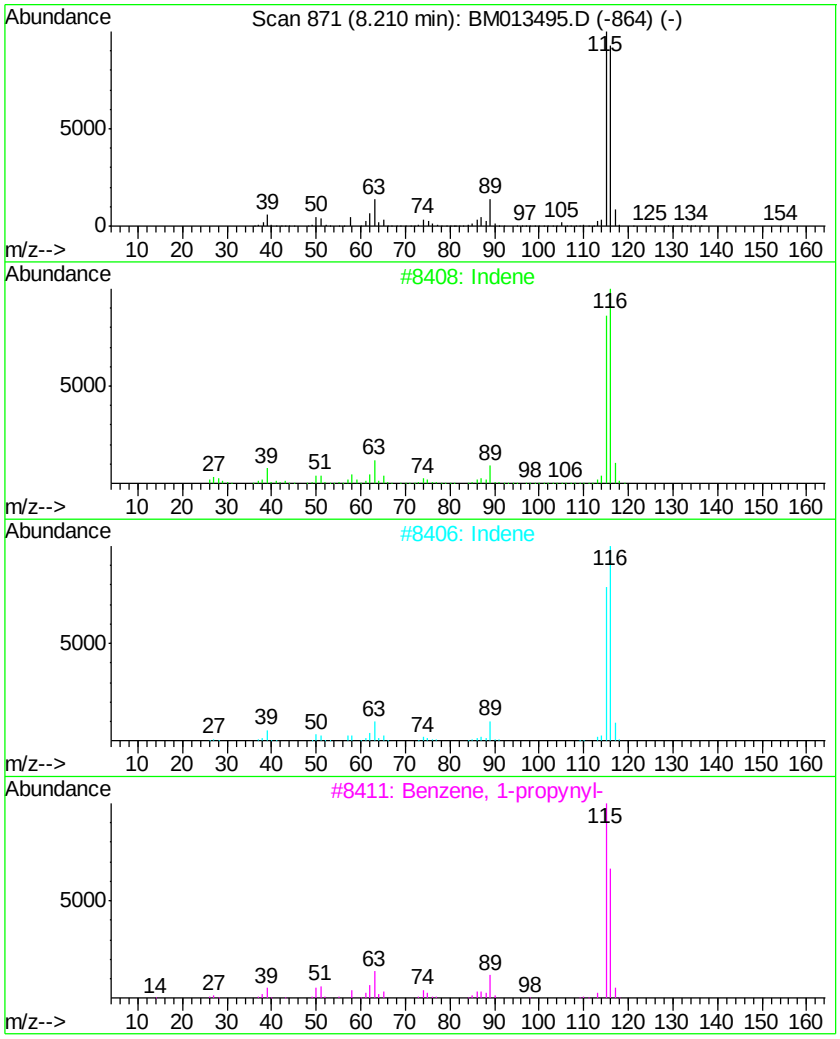
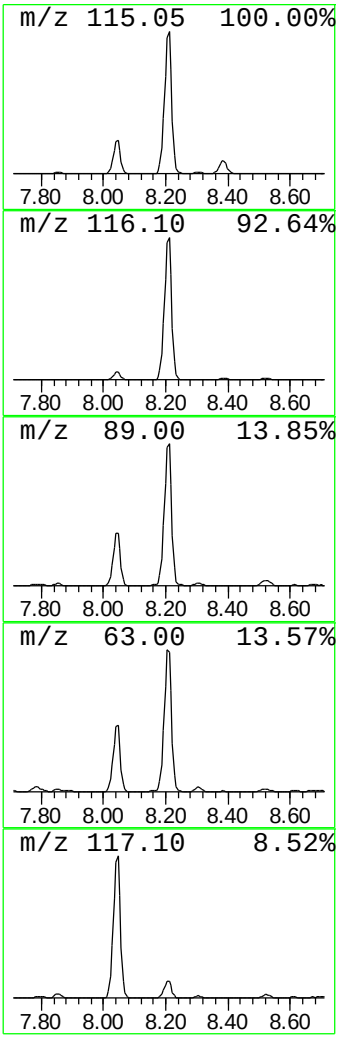
Peak Number 2 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	28.99 ng/ul	17648600	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Acq On : 18 Dec 2017 13:01
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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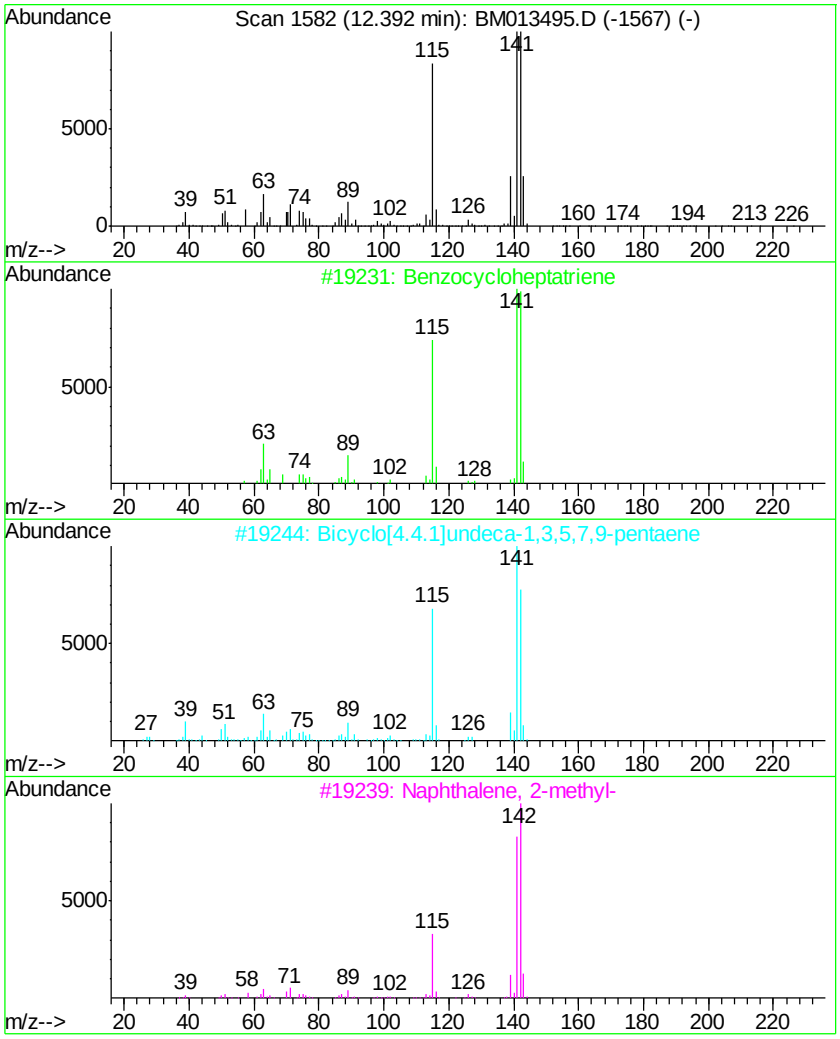
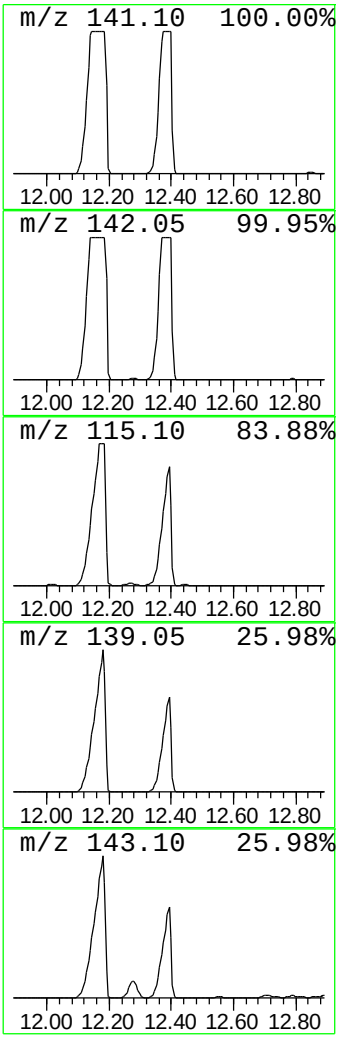
Peak Number 3 Benzocycloheptatriene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	4.79 ng/ul	122384000	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	96
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Library Search Compound Report

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Misc :
ALS Vial : 7 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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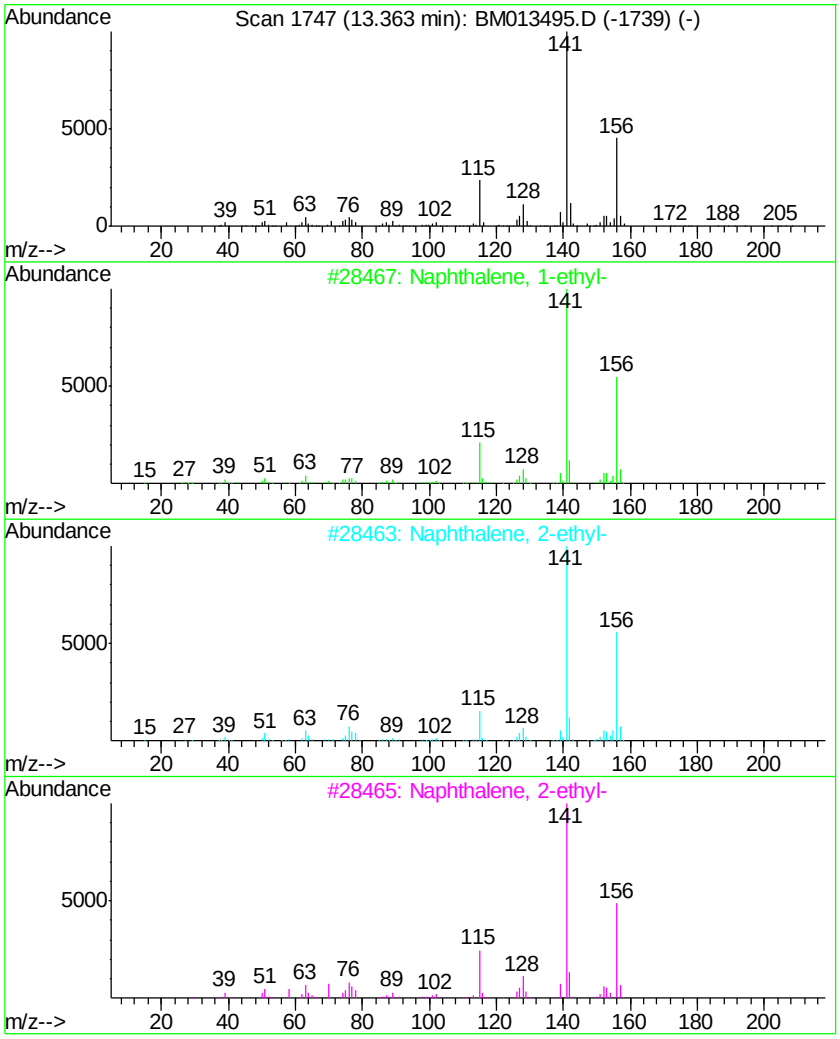
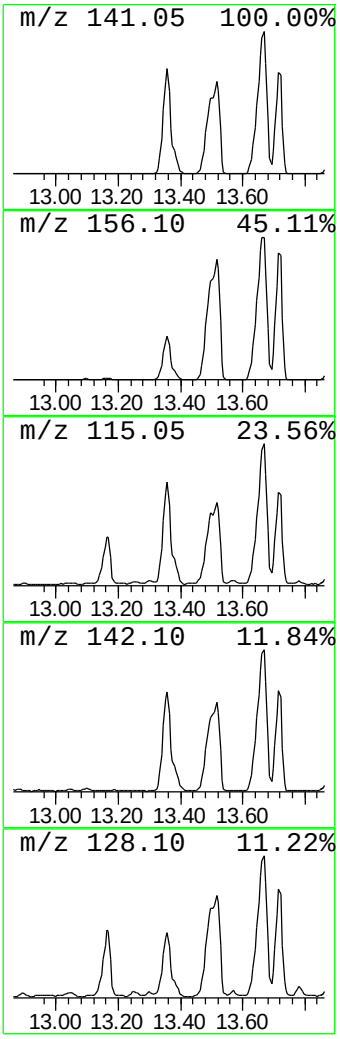
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	20.15 ng/ul	29782800	Acenaphthene-d10	14.34

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, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Library Search Compound Report

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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

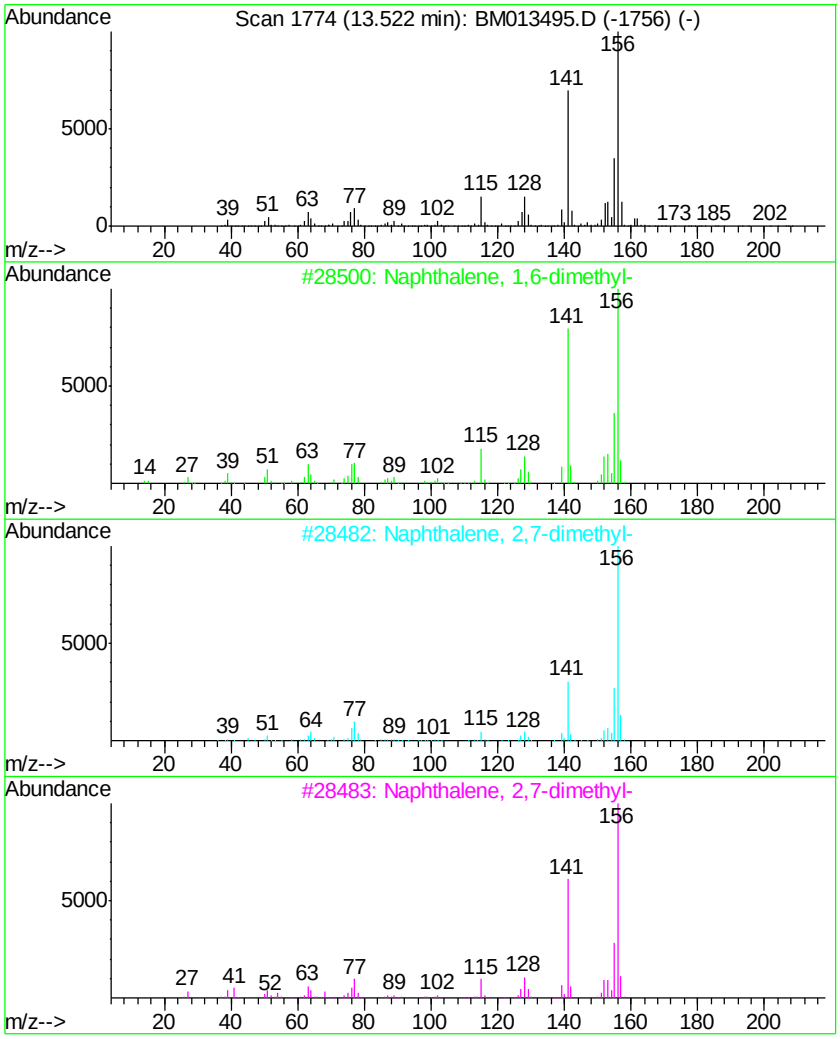
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

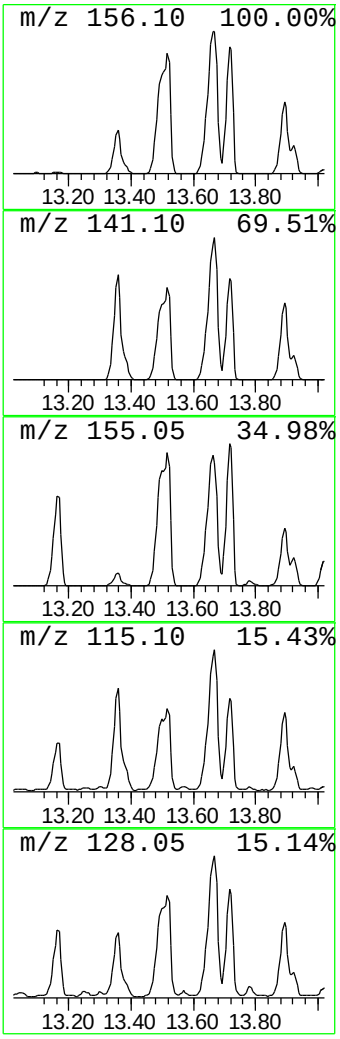
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	47.15 ng/ul	69702000	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

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Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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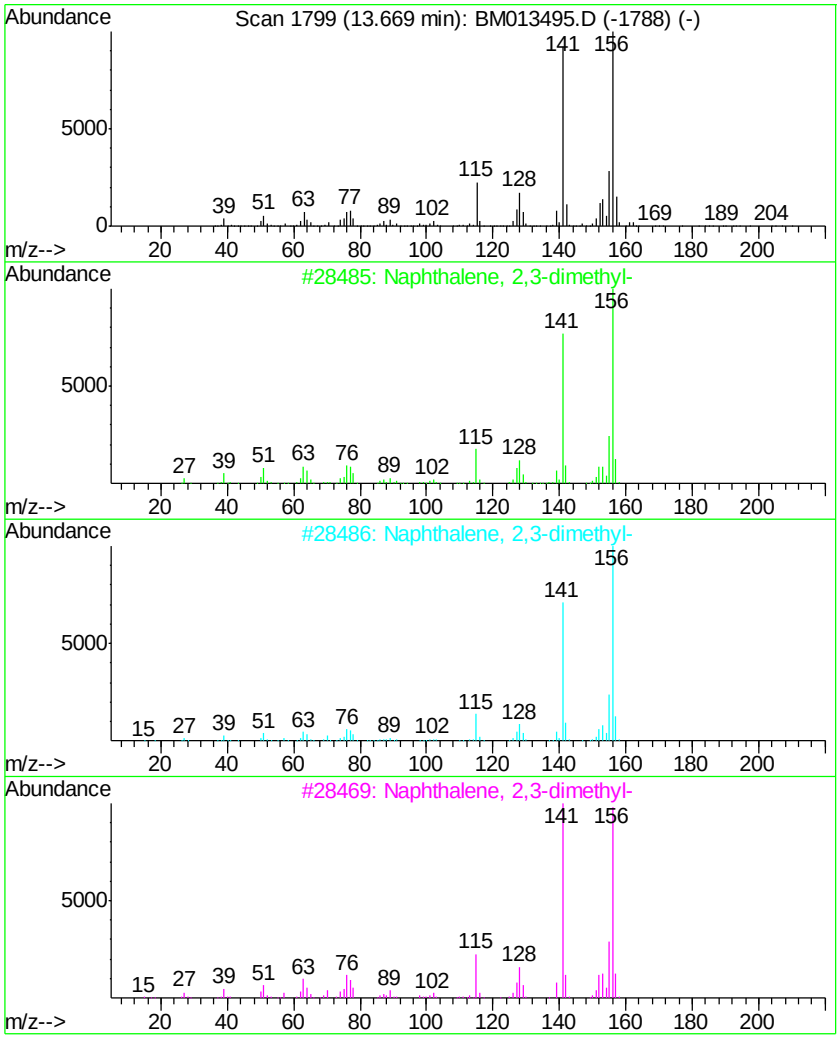
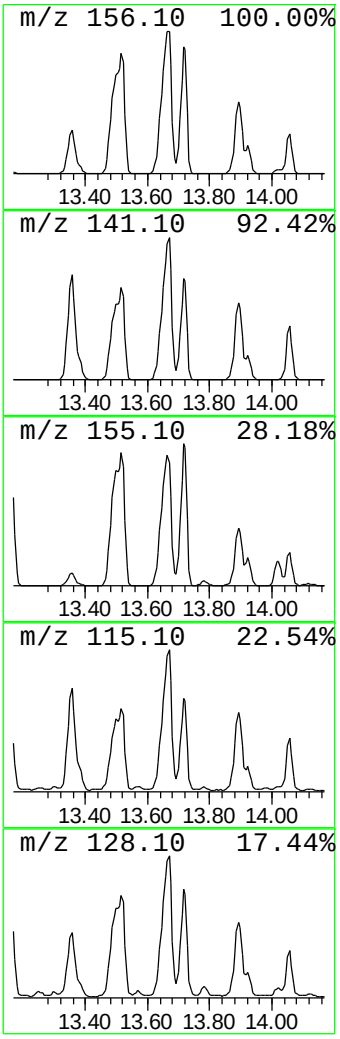
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	48.62 ng/ul	71863400	Acenaphthene-d10	14.34

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





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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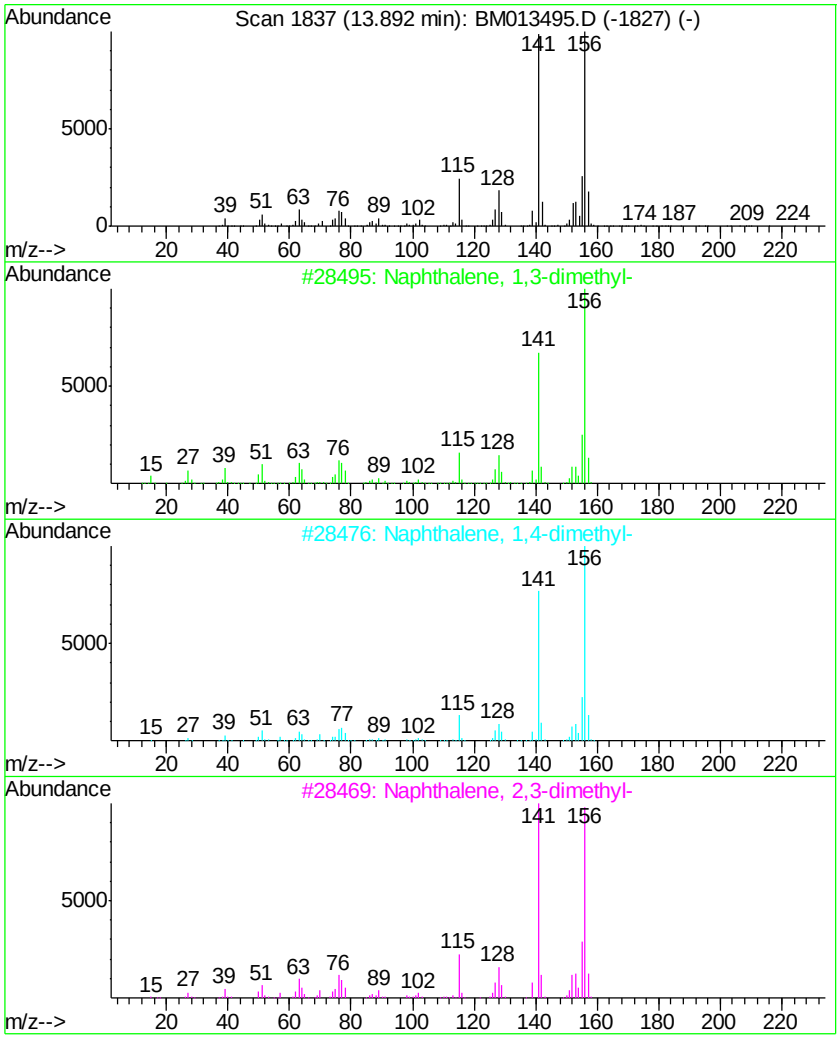
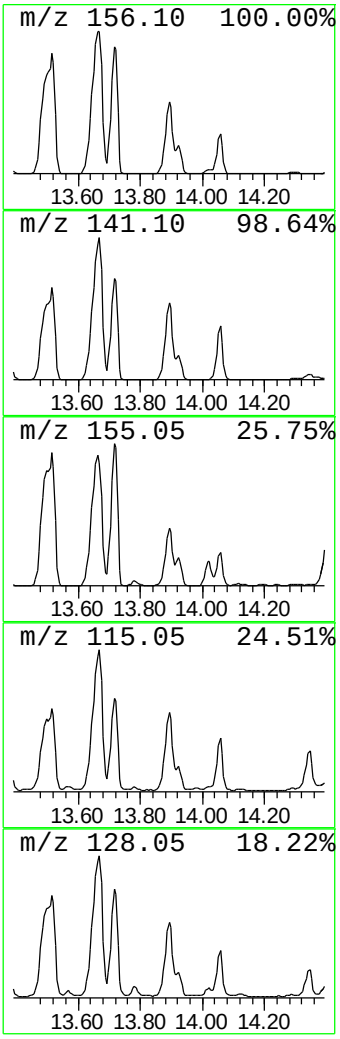
Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	20.74 ng/ul	30655700	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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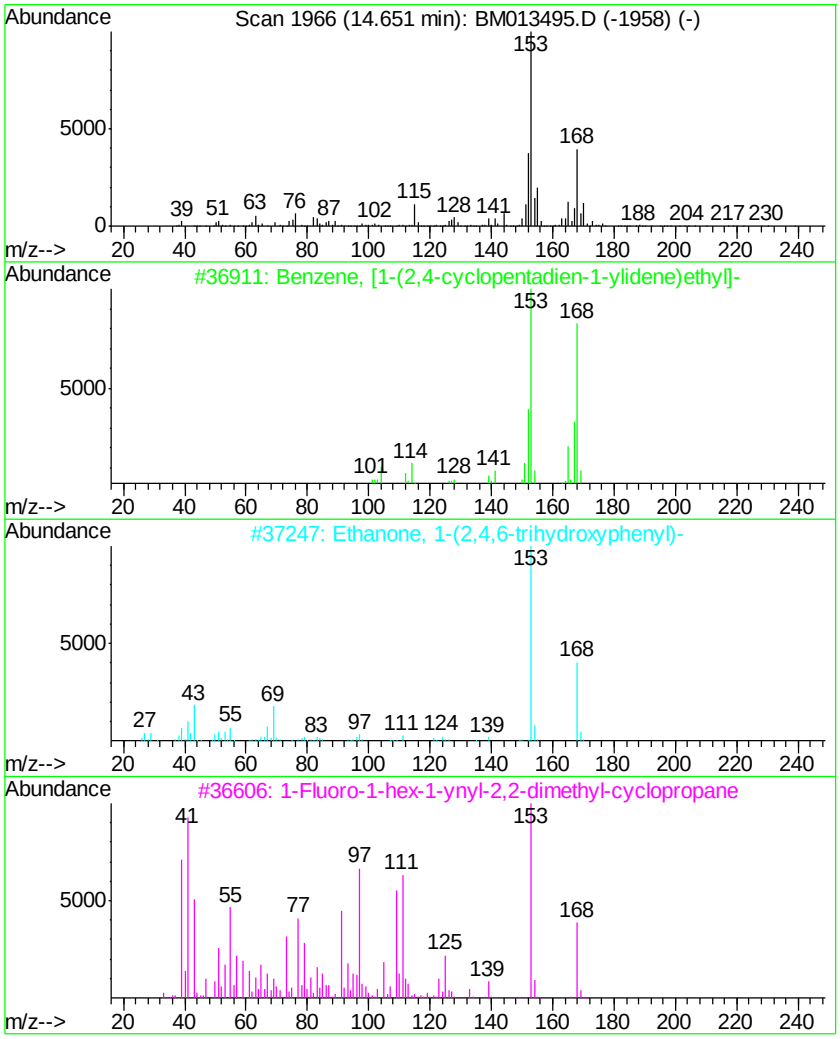
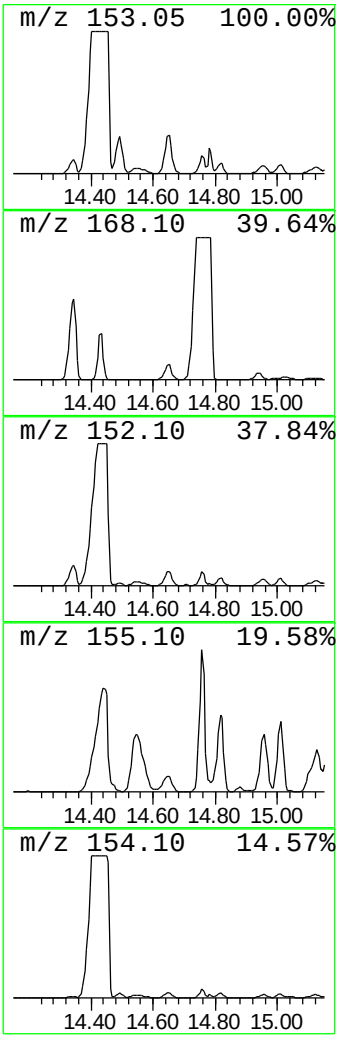
Peak Number 8 Benzene, [1-(2,4-cyclopenta... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	10.94 ng/ul	16173800	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
3	1-Fluoro-1-hex-1-ynyl-2,2-dimeth...	168	C11H17F	1000300-49-2	47
4	Ethanone, 1-(4-chloro-3-methylph...	168	C9H9ClO	037074-39-8	43
5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	43





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Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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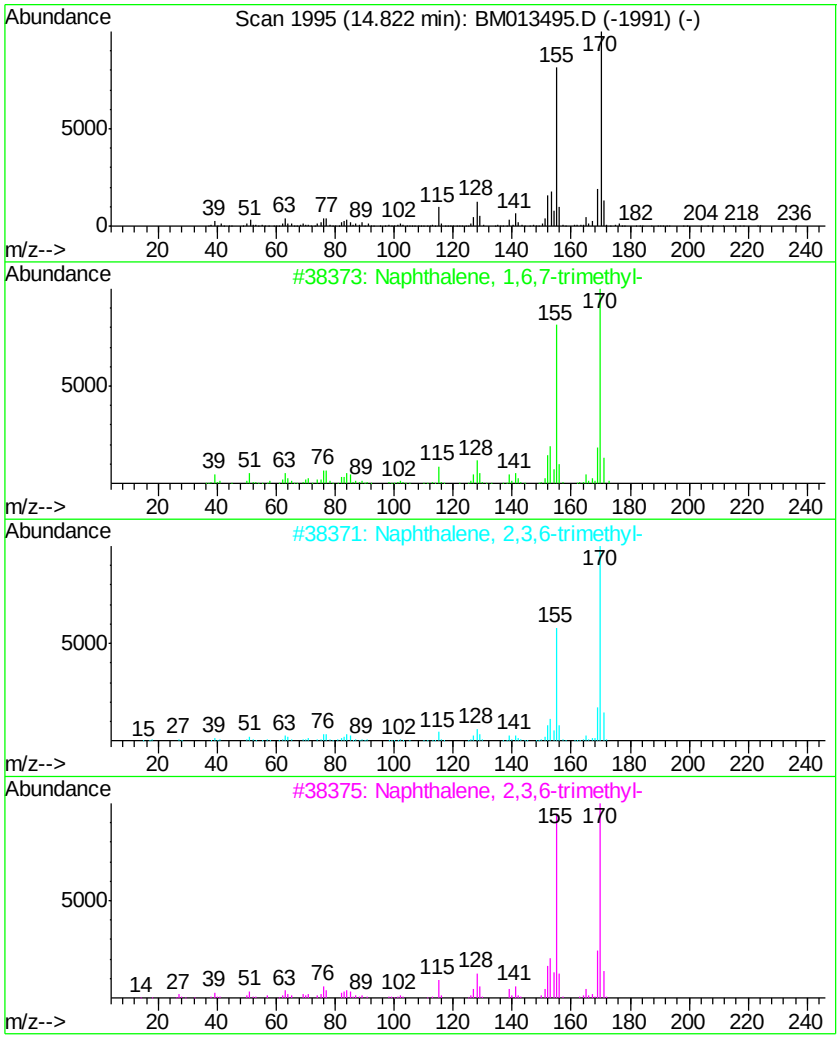
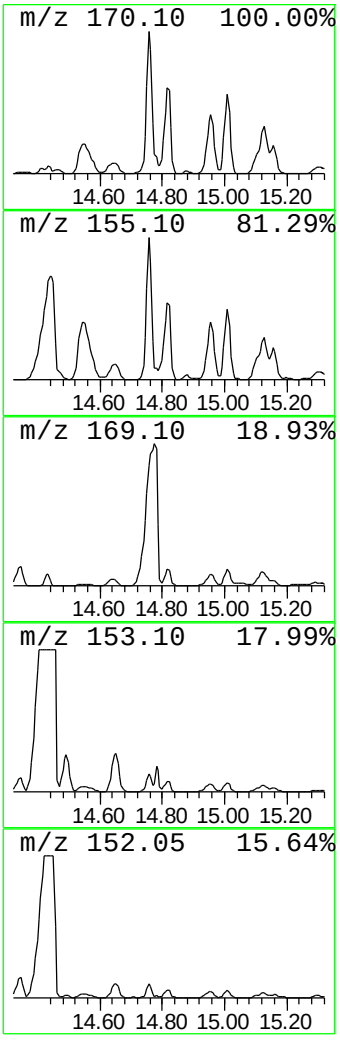
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	9.44 ng/ul	13959400	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	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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Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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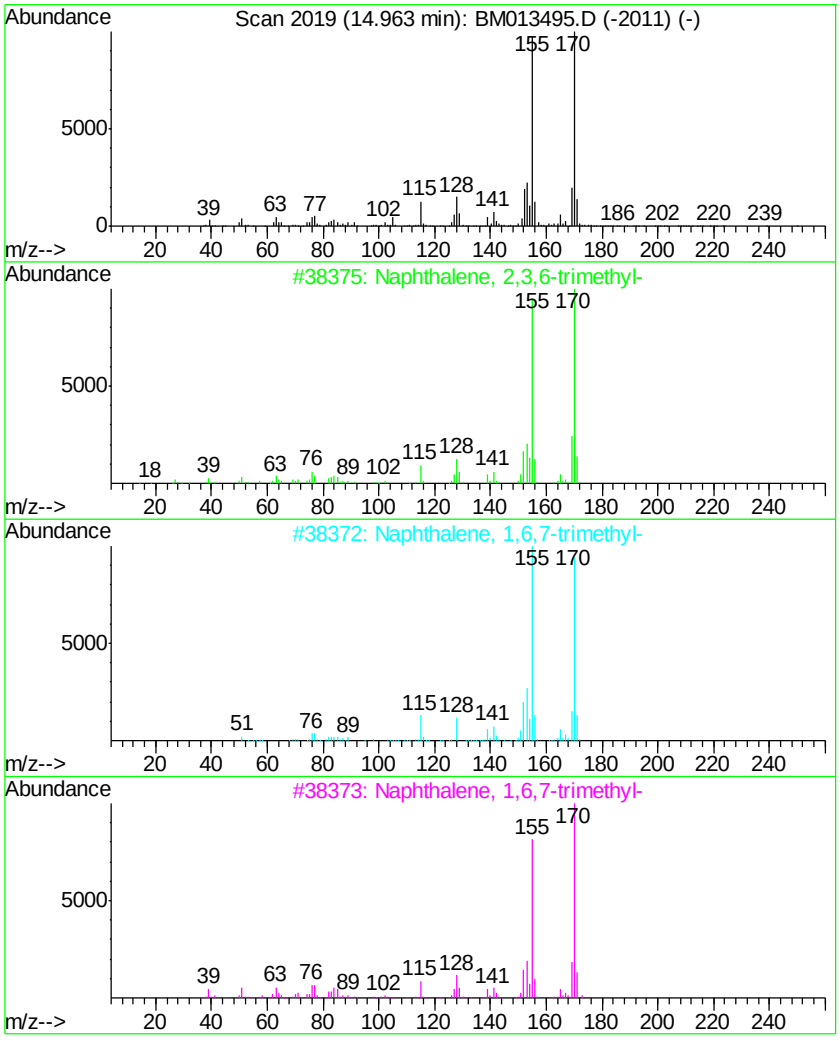
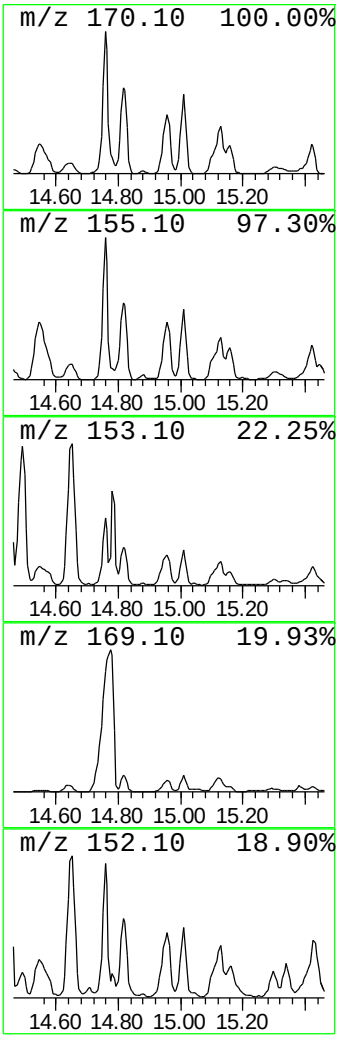
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	10.87 ng/ul	16062900	Acenaphthene-d10	14.34

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	98
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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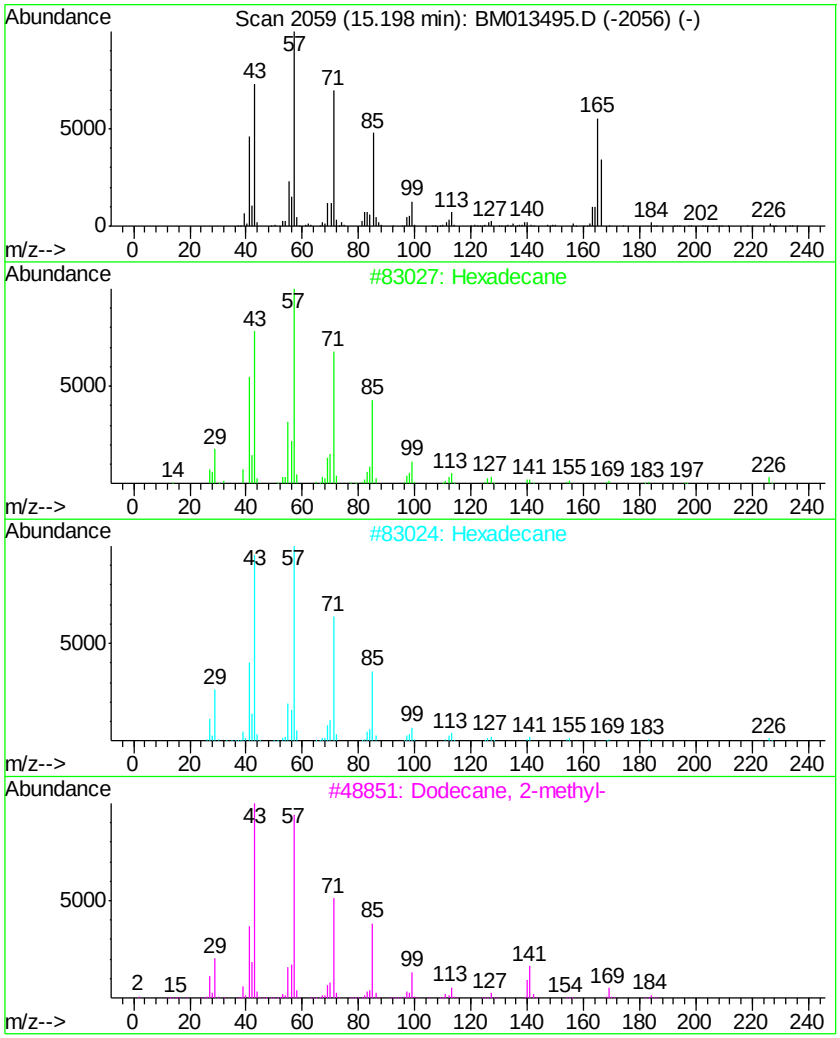
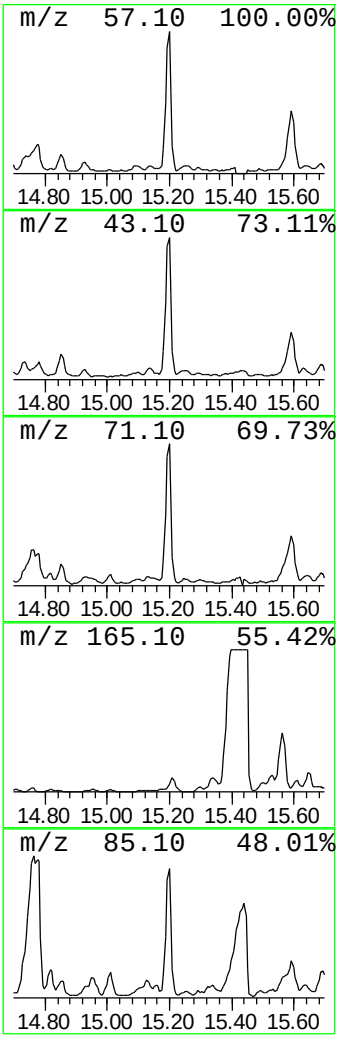
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	5.66 ng/ul	8373400	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Hexadecane	226	C16H34	000544-76-3	70
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	49
4	Nonadecane	268	C19H40	000629-92-5	49
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	46





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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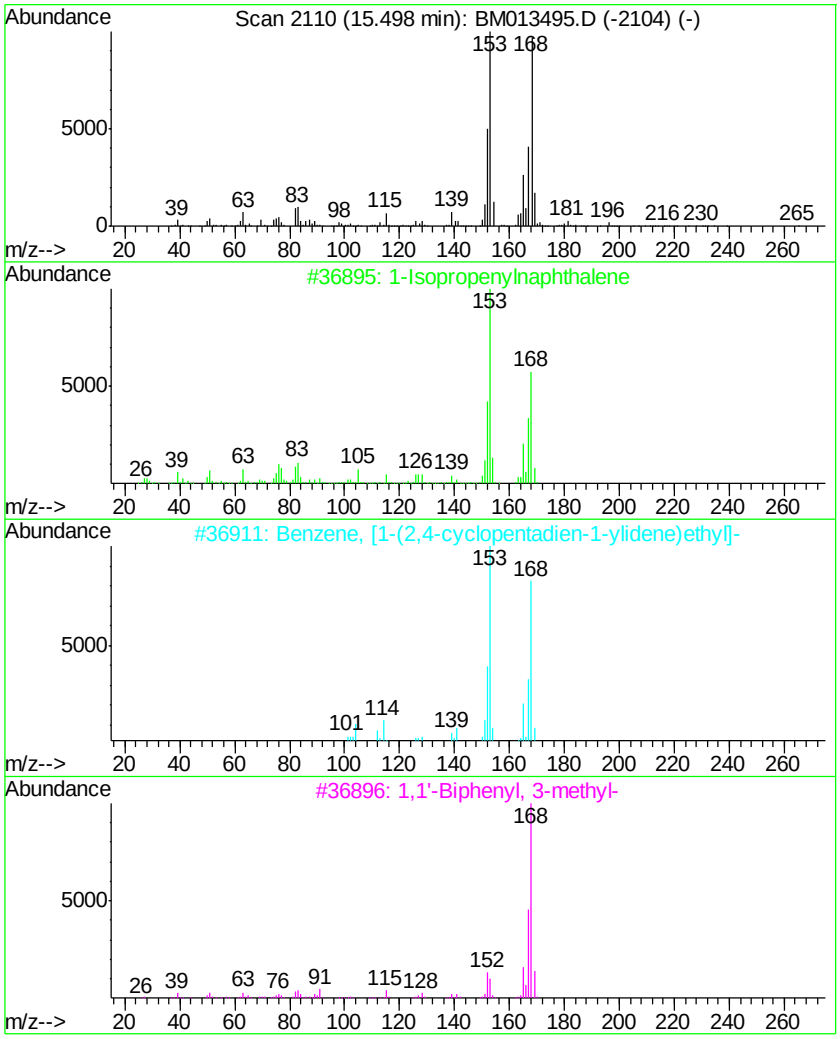
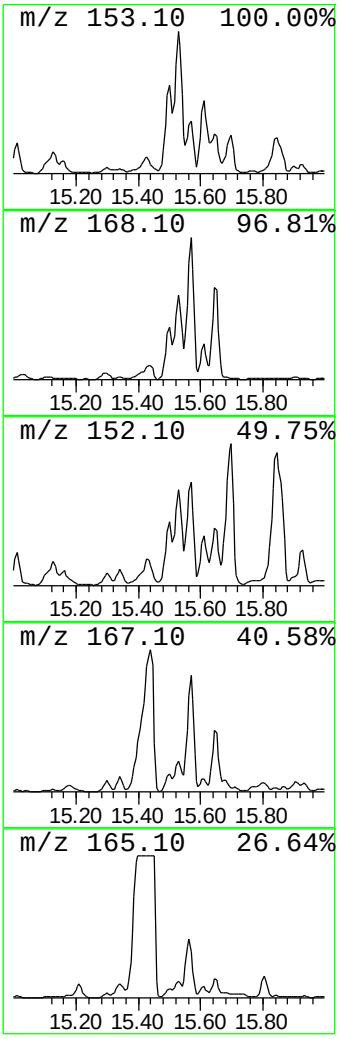
Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	8.71 ng/ul	12876300	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	46
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	43
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	43





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Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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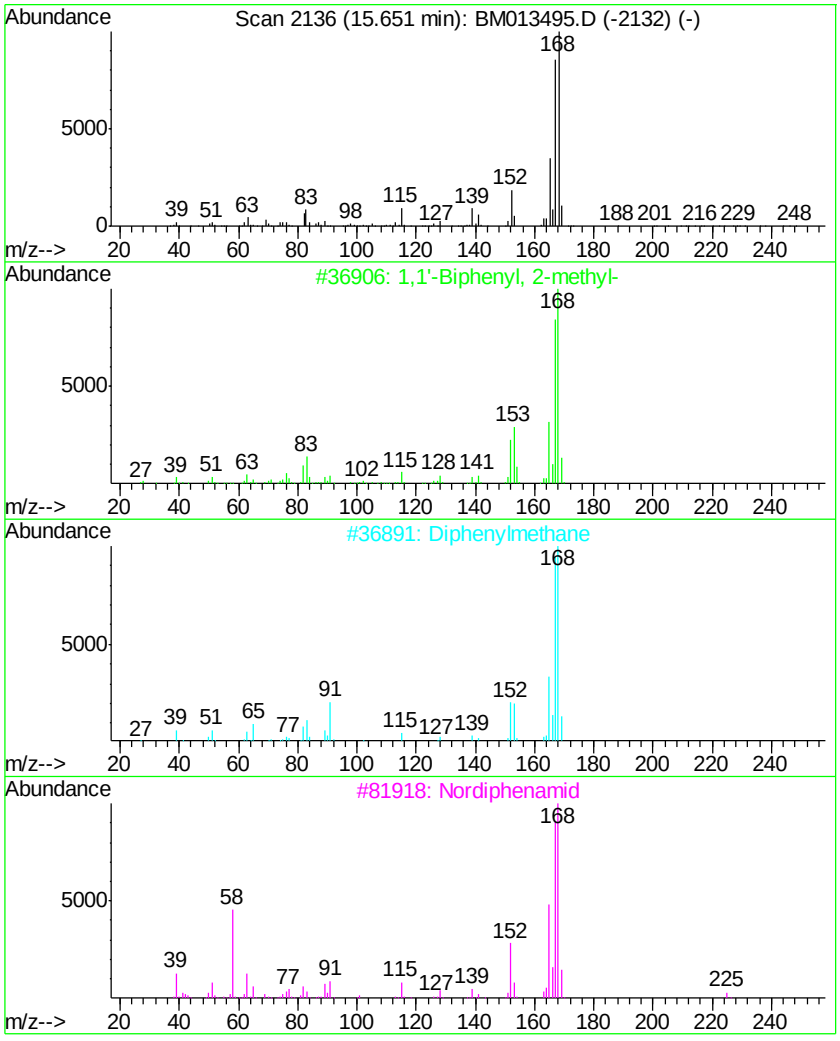
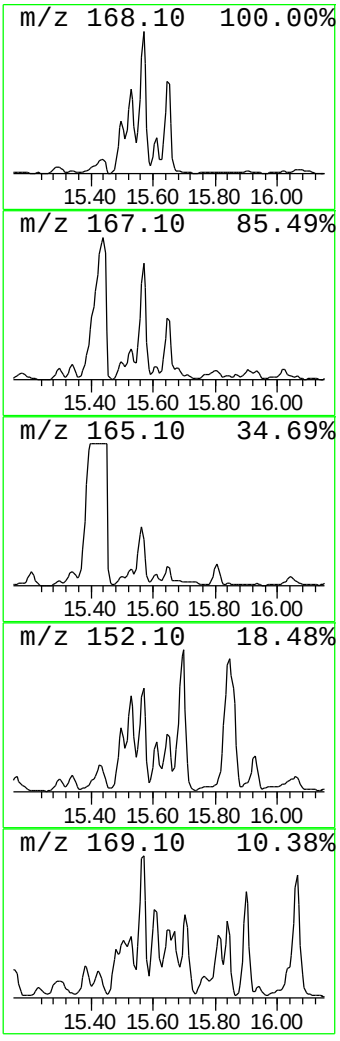
Peak Number 15 1,1'-Biphenyl, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	11.64 ng/ul	17206000	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	Diphenylmethane	168	C13H12	000101-81-5	83
3	Nordiphenamid	225	C15H15NO	000954-21-2	78
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	74
5	Diphenylmethane	168	C13H12	000101-81-5	72





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Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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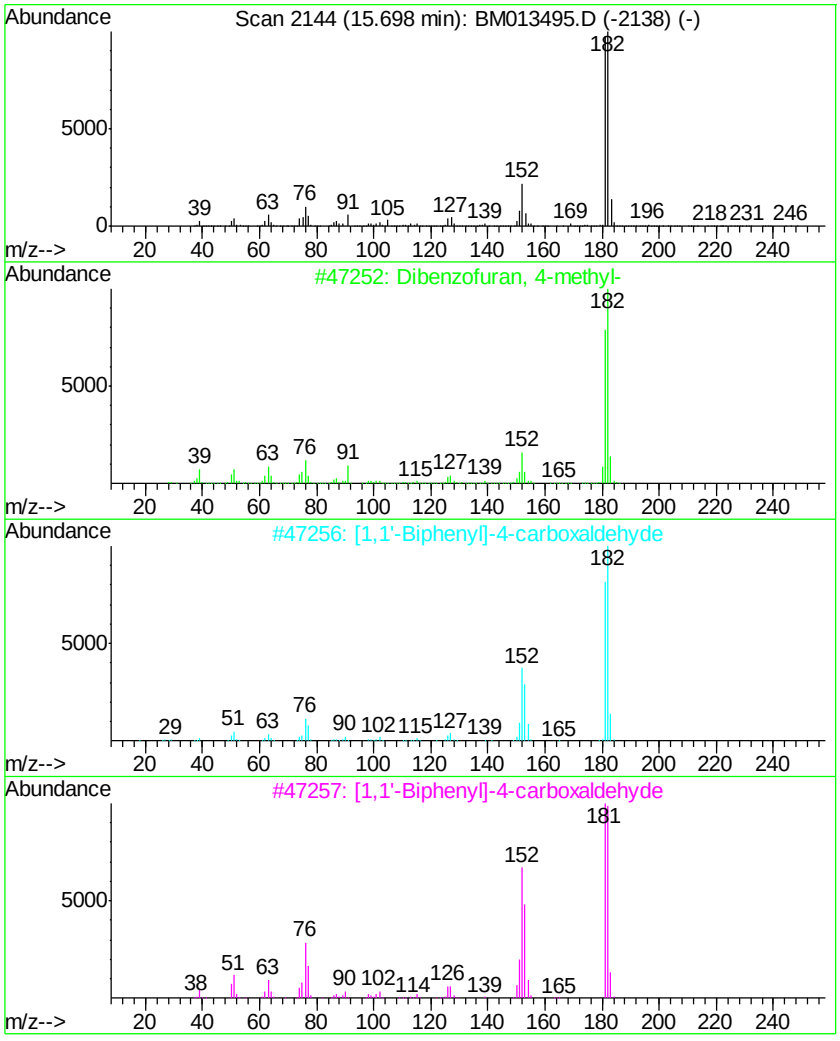
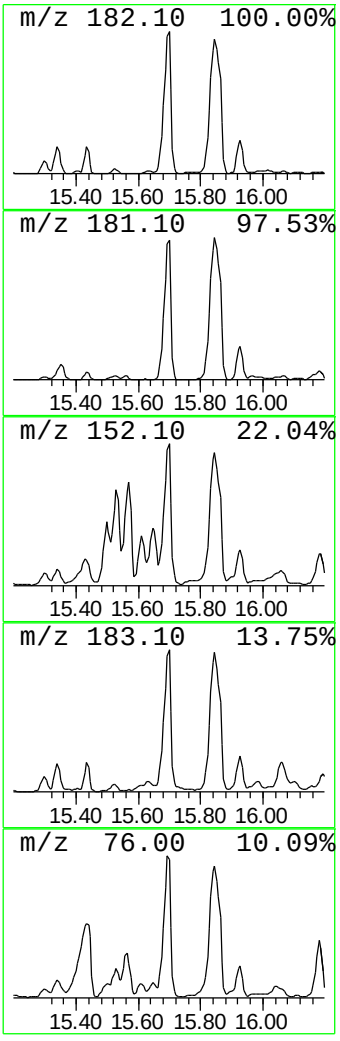
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	31.14 ng/ul	46037200	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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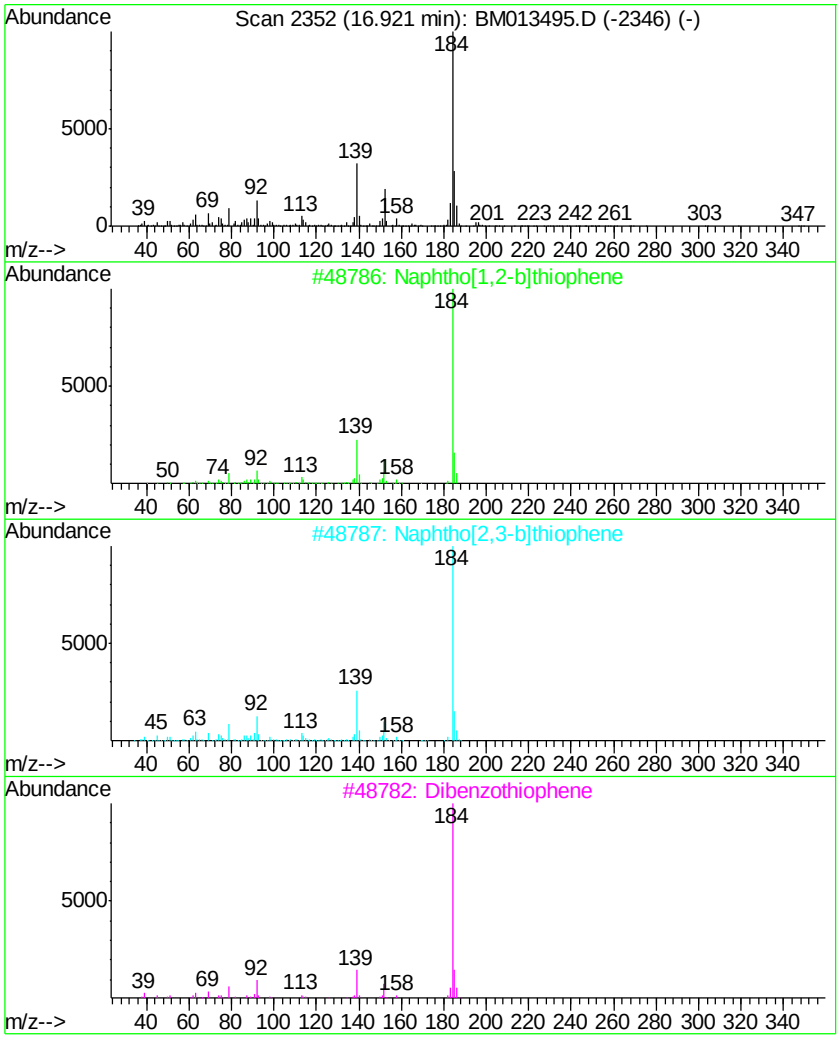
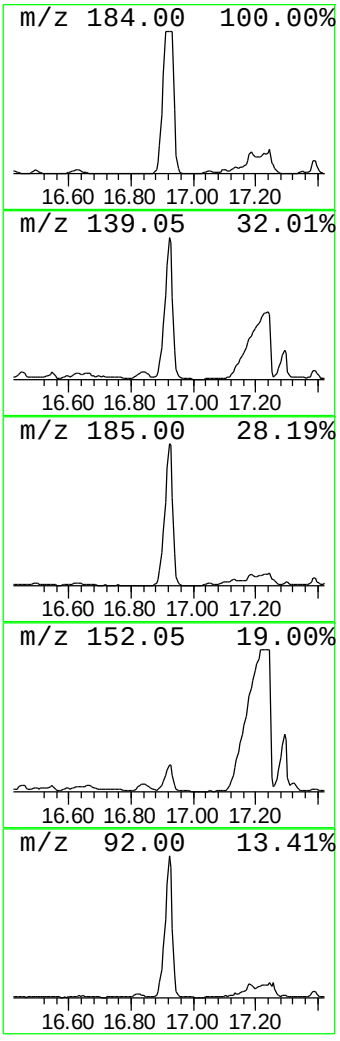
Peak Number 17 Naphtho[1,2-b]thiophene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	2.13 ng/ul	77299700	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : SJ/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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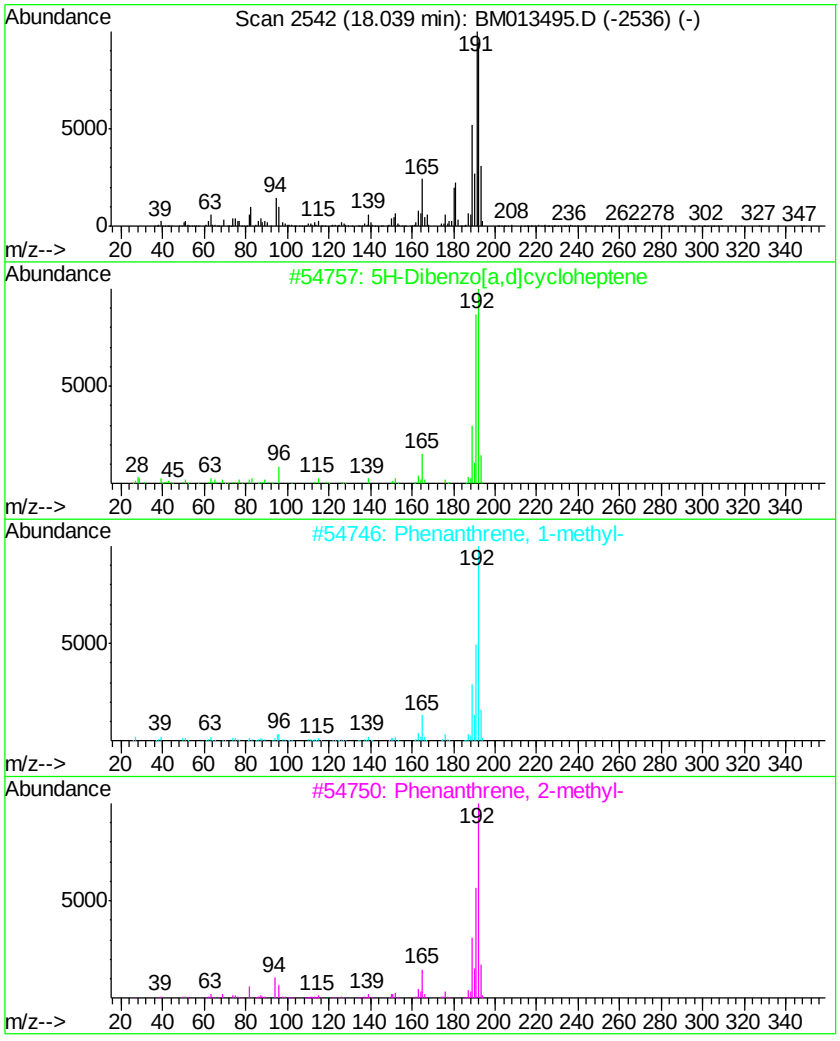
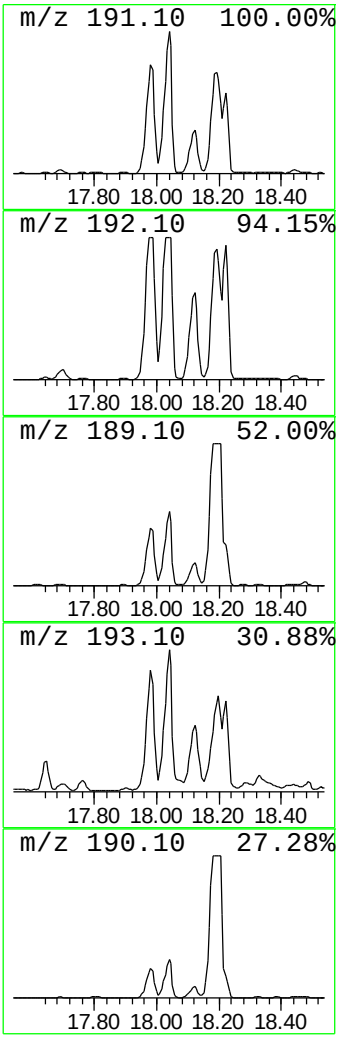
Peak Number 20 5H-Dibenzo[a,d]cycloheptene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.39 ng/ul	86679900	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	60
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	58





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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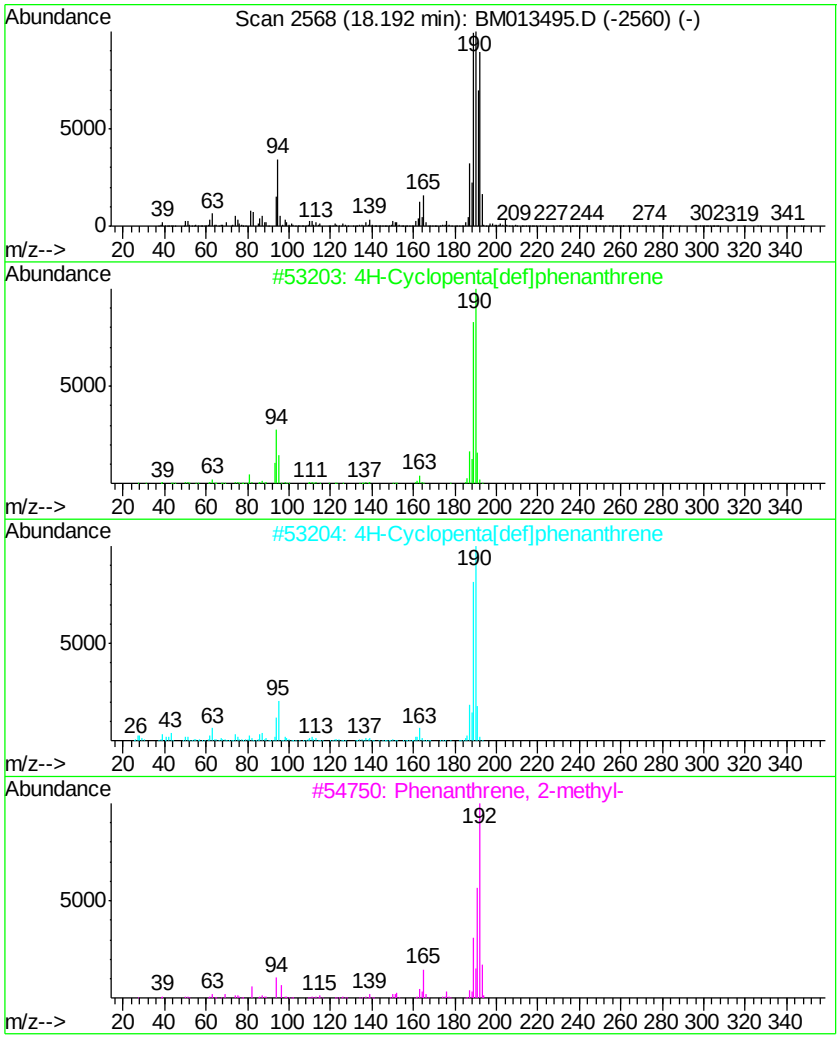
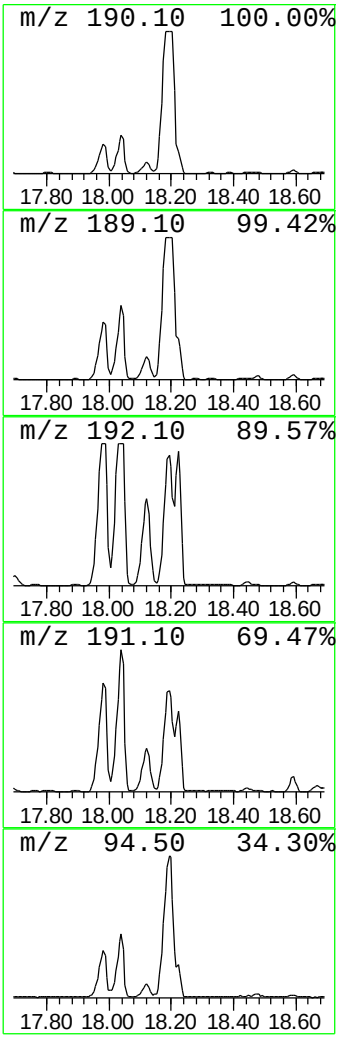
Peak Number 21 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.77 ng/ul	136647000	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

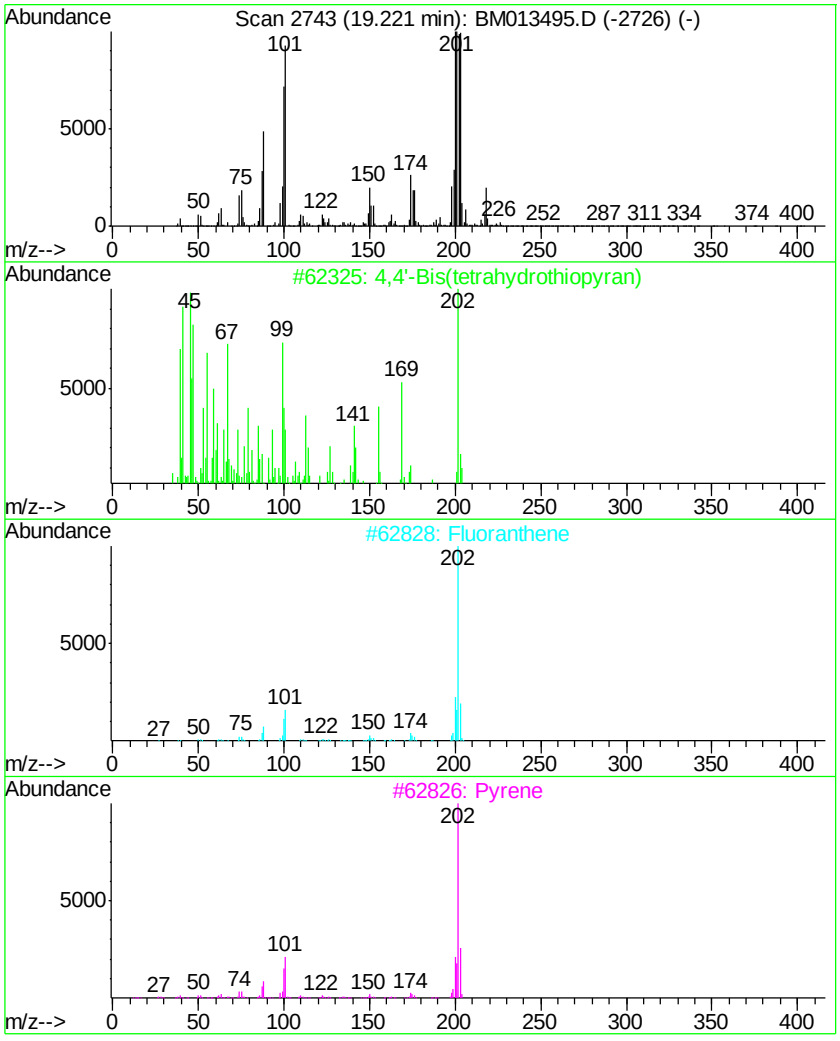
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

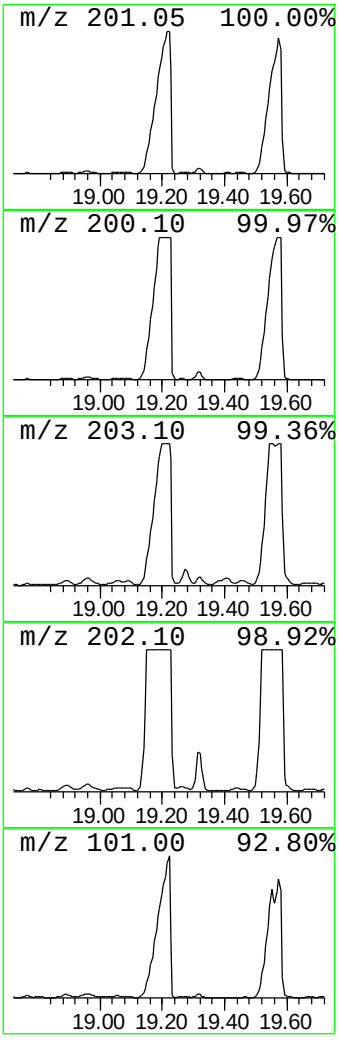
****

Peak Number 22 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	74.05 ng/ul	345136000	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	64
2	Fluoranthene	202	C16H10	000206-44-0	46
3	Pyrene	202	C16H10	000129-00-0	43
4	Fluoranthene	202	C16H10	000206-44-0	41
5	1,2-Dicarbadodecaborane(12)-1-me...	232	C6H18B10O2	062906-37-0	37





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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

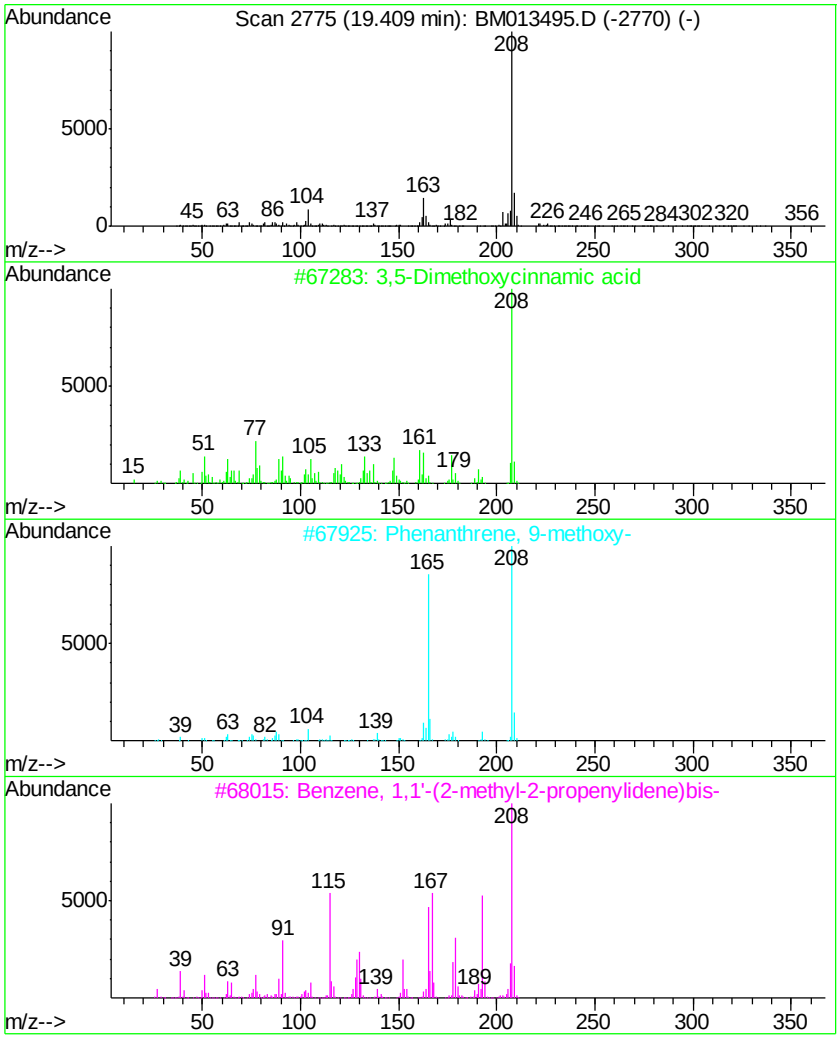
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

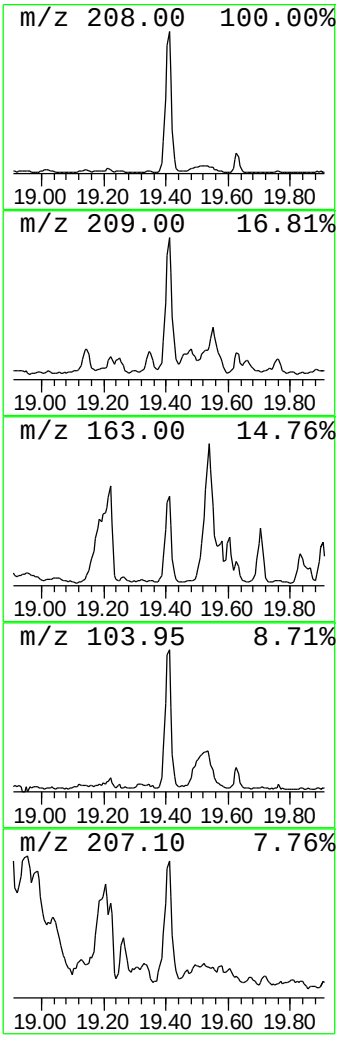
****

Peak Number 23 3,5-Dimethoxycinnamic acid Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	2.31 ng/ul	10786900	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethoxycinnamic acid	208	C11H12O4	016909-11-8	72
2	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	64
3	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
4	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	59
5	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	58





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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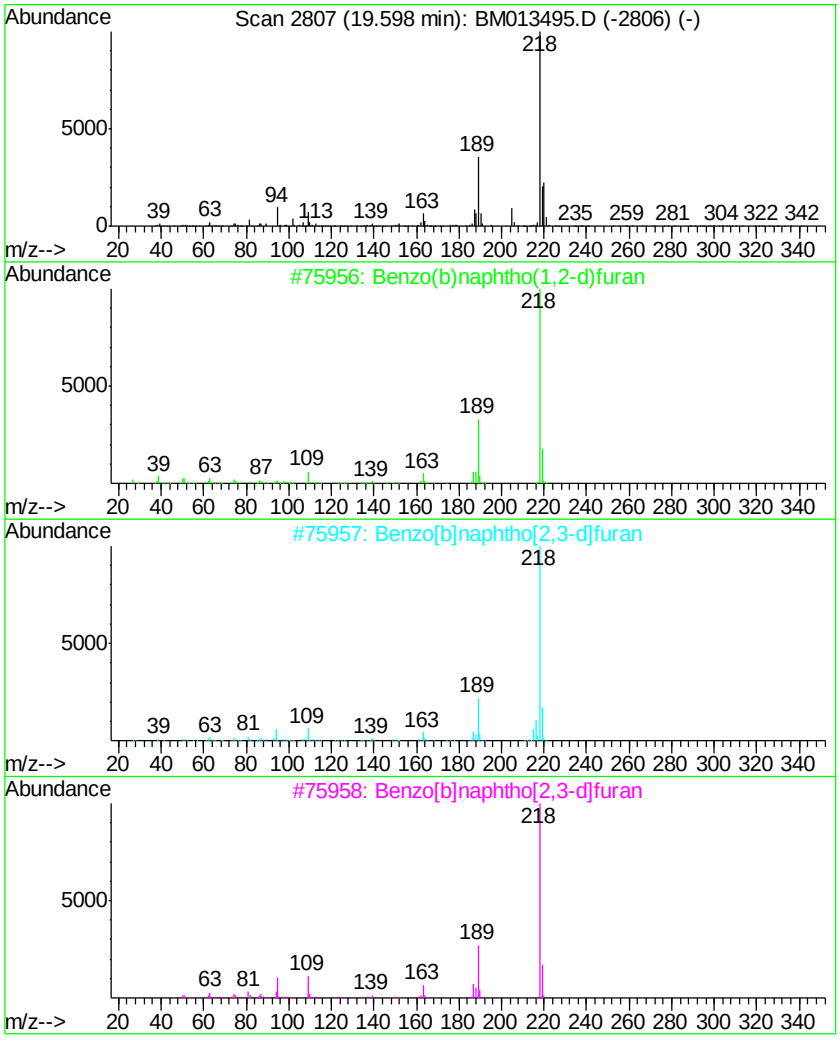
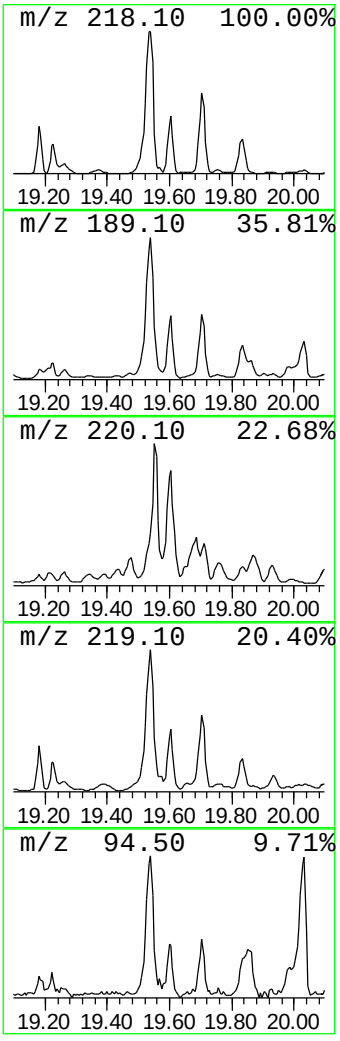
Peak Number 24 Benzo(b)naphtho(1,2-d)furan Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.60	2.62 ng/ul	12206600	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	94
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	87





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Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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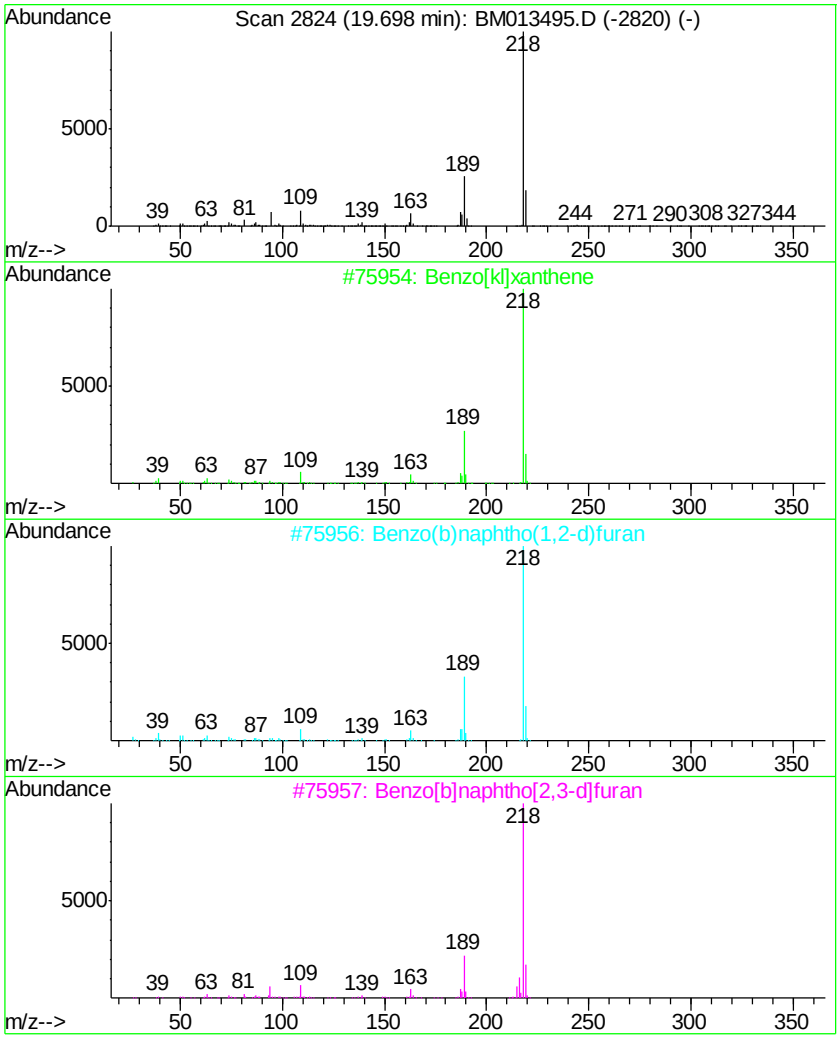
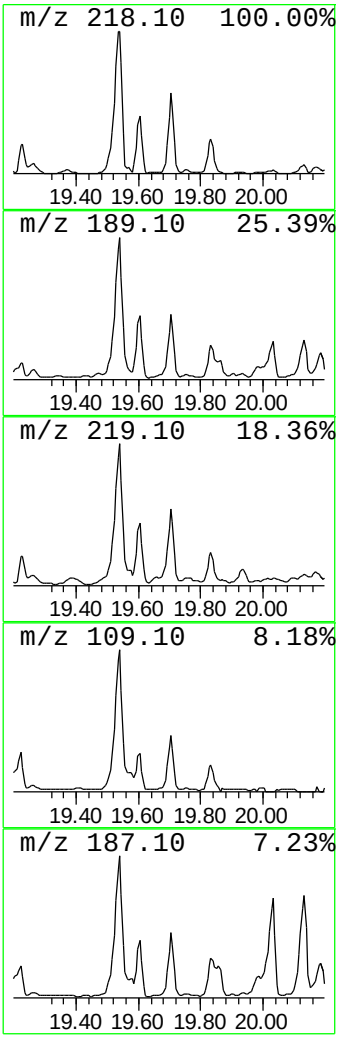
Peak Number 25 Benzo[kl]xanthene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	3.20 ng/ul	14914800	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	97
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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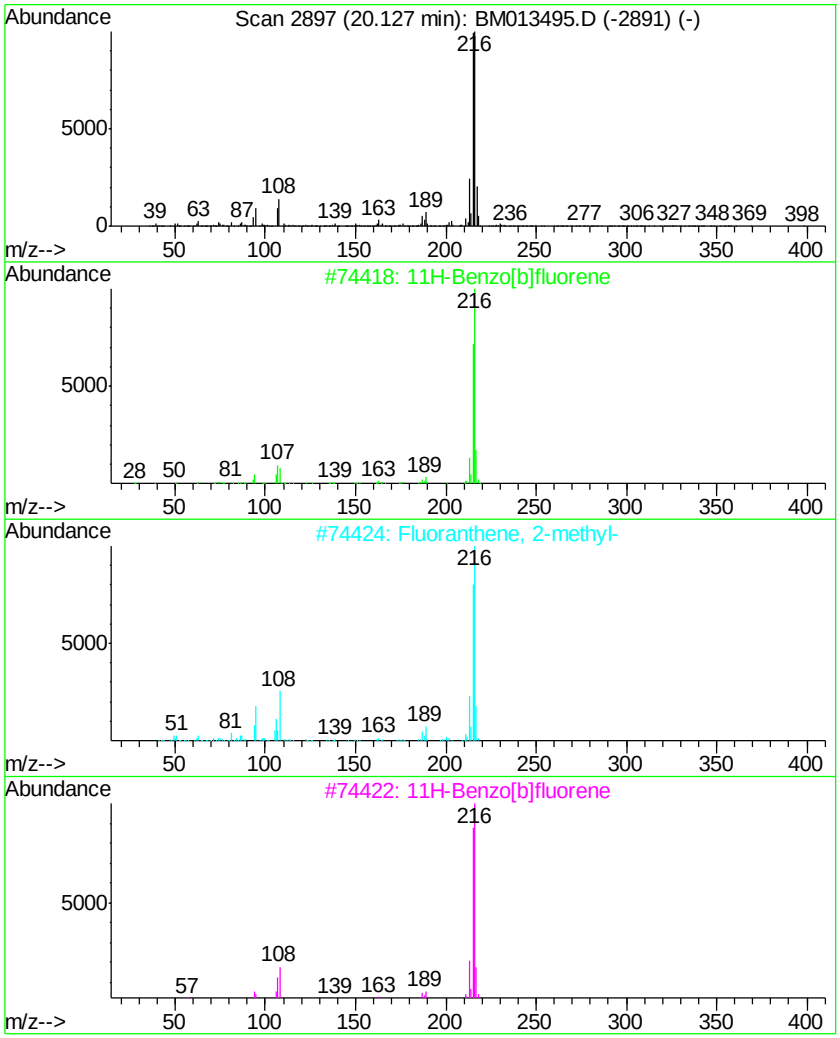
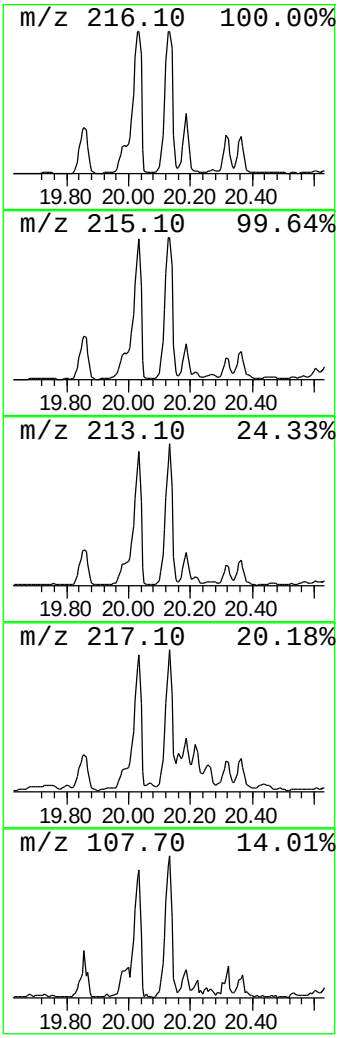
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	11.56 ng/ul	53892900	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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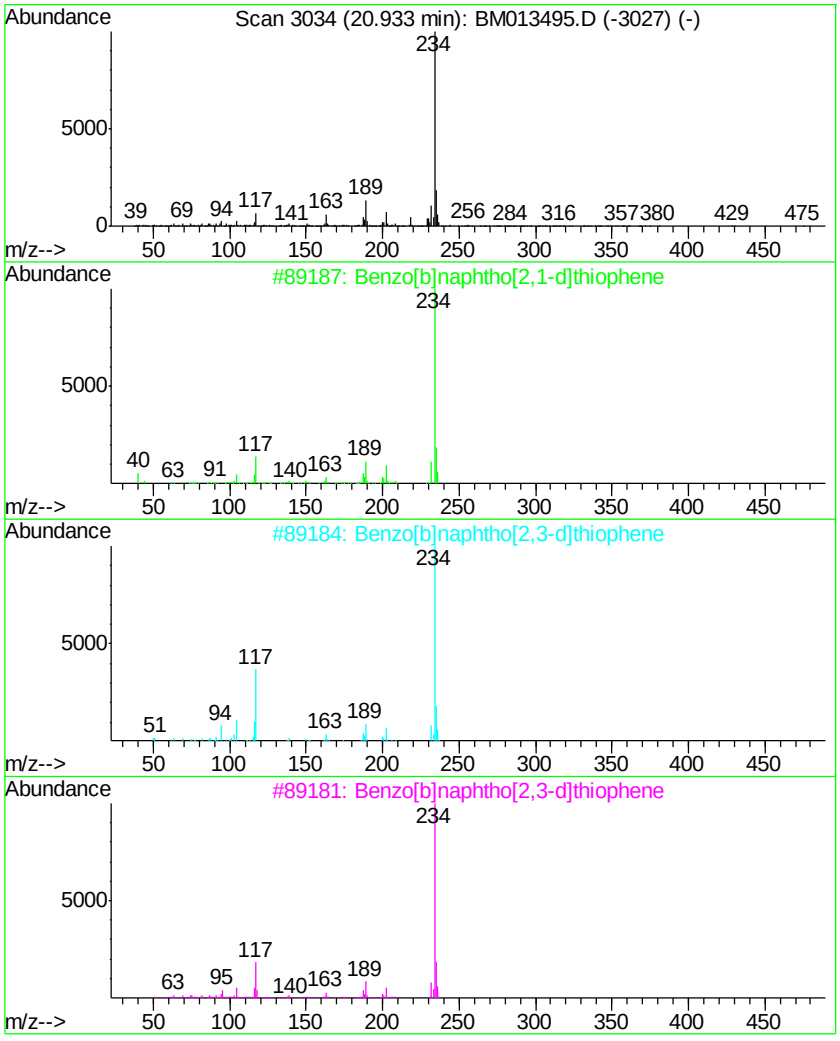
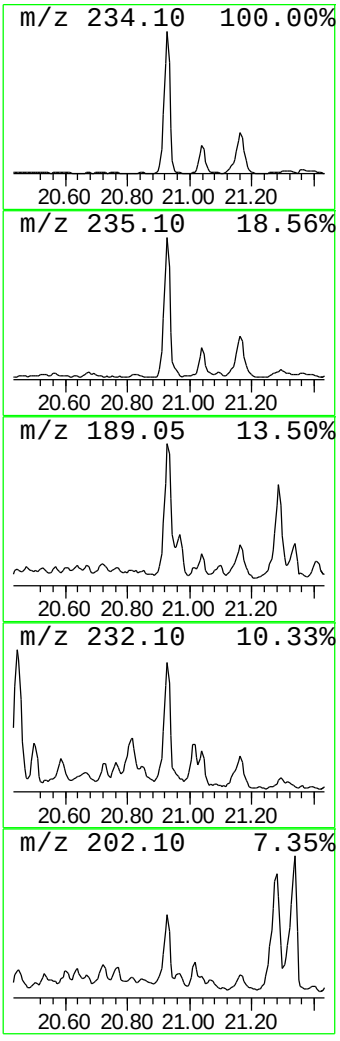
Peak Number 32 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.32 ng/ul	15481200	Chrysene-d12	21.29

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[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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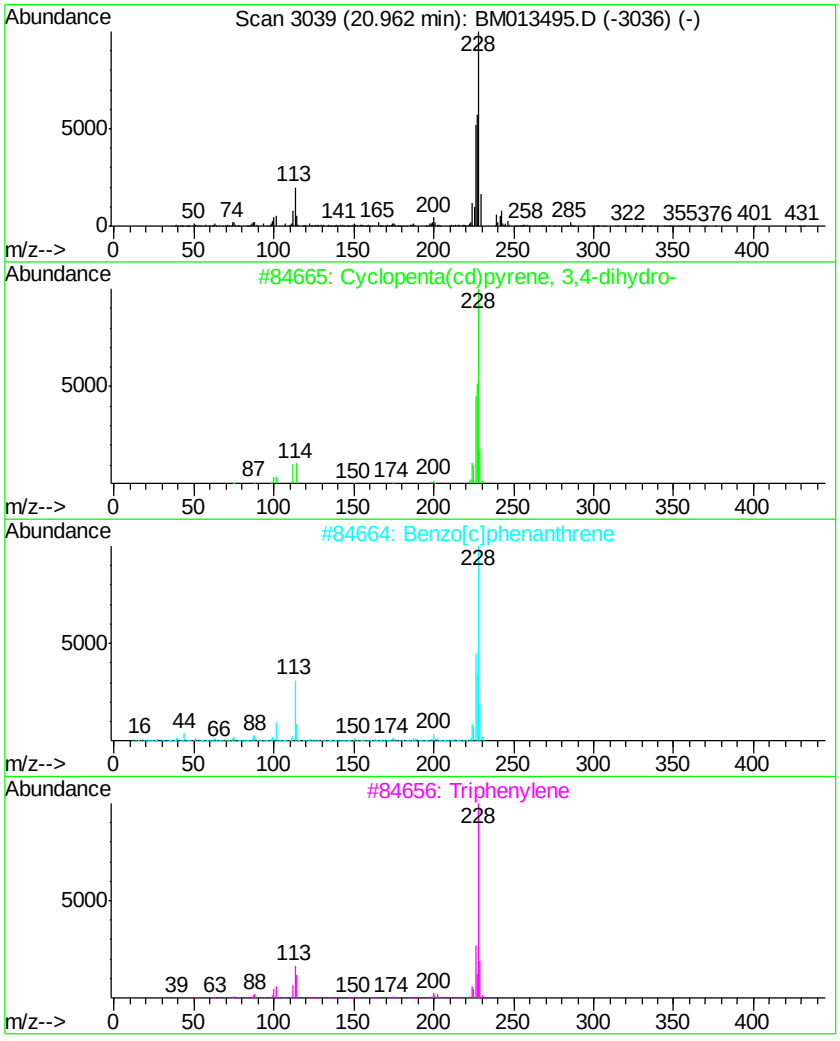
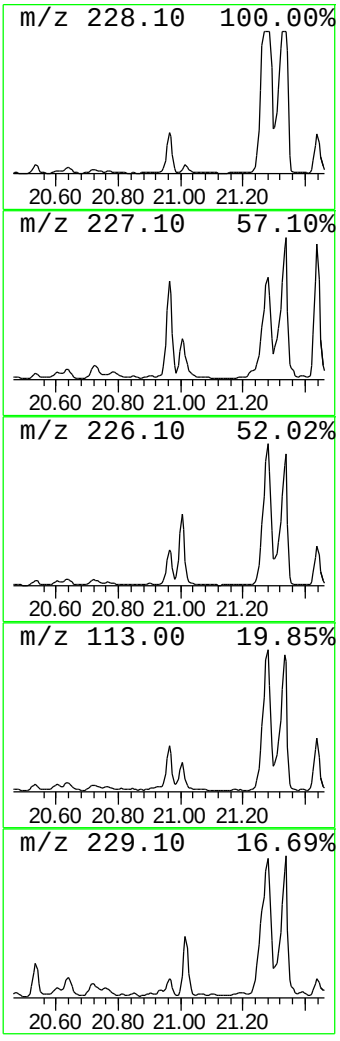
Peak Number 33 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	3.00 ng/ul	13969700	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
3	Triphenylene	228	C18H12	000217-59-4	55
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
5	Triphenylene	228	C18H12	000217-59-4	50





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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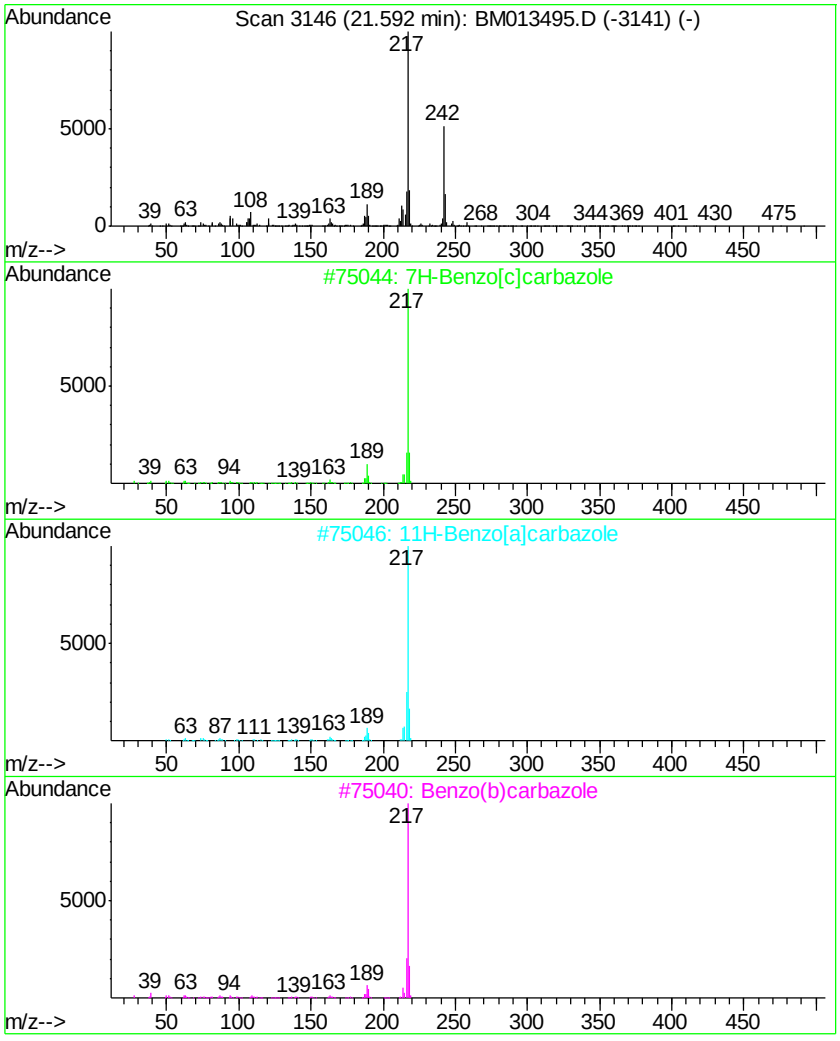
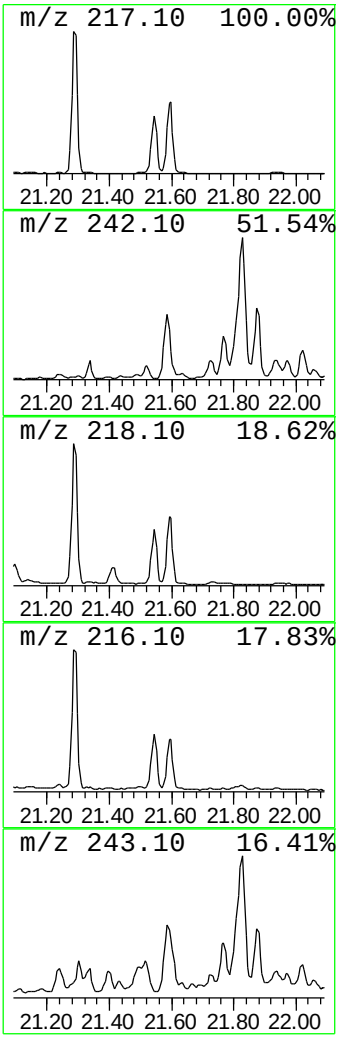
Peak Number 35 7H-Benzo[c]carbazole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.14 ng/ul	9971610	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	91
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	83
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
5	Benzo(c)carbazole	217	C16H11N	034777-33-8	60





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Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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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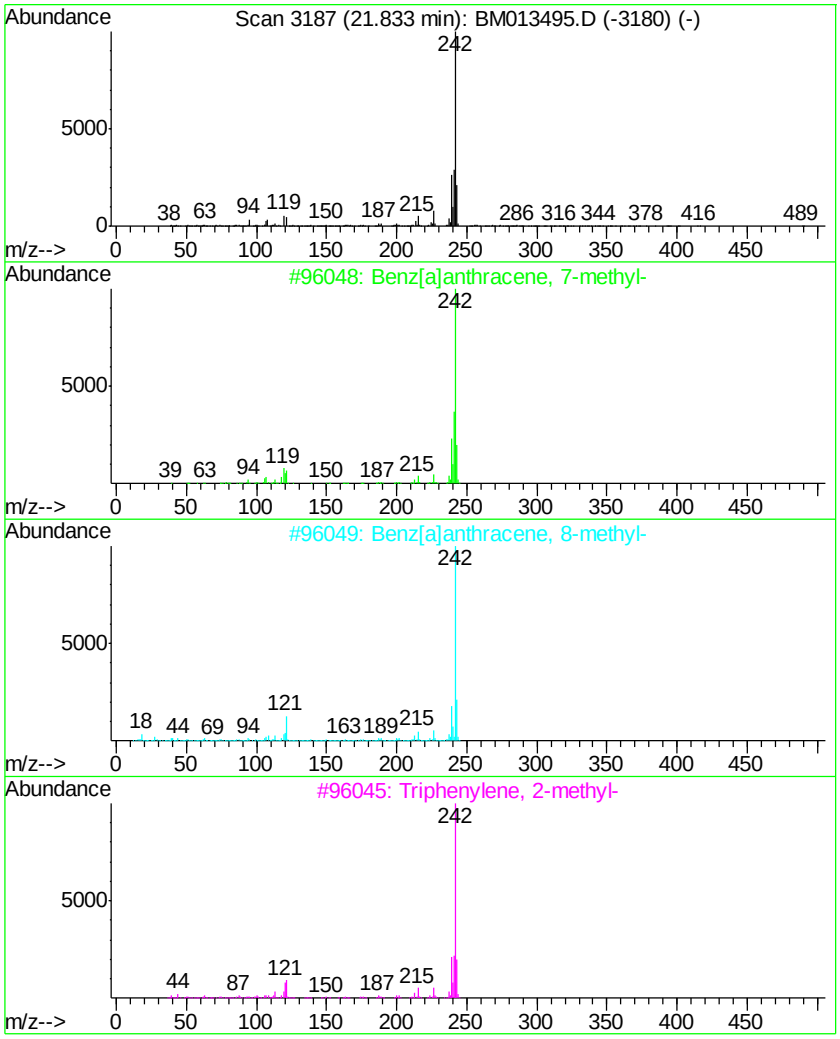
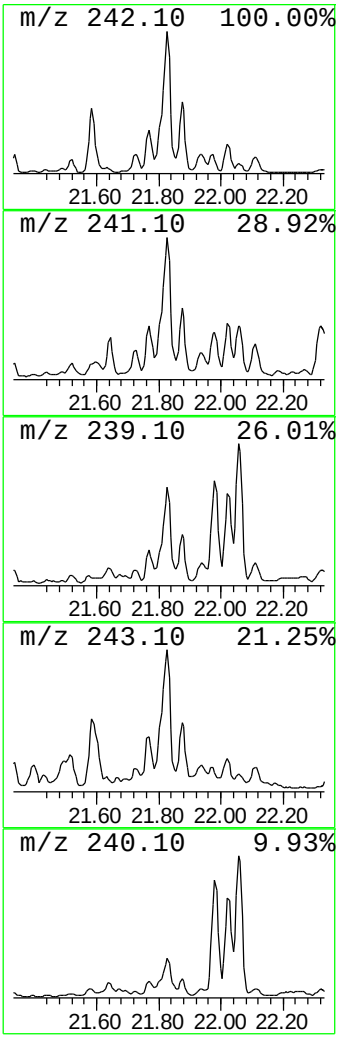
Peak Number 36 Benz[a]anthracene, 7-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.98 ng/ul	13908400	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





Tentatively Identified Compound (LSC) summary

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Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

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	20.0	ng/ul	12177100	1	7.67	12177100	20.0
Indene	8.21	29.0	ng/ul	17648600	1	7.67	12177100	20.0
Benzocycloheptatr...	12.39	4.8	ng/ul	122384000	2	10.52	510666000	20.0
Naphthalene, 1-et...	13.36	20.1	ng/ul	29782800	3	14.34	29563900	20.0
Naphthalene, 1,6-...	13.52	47.1	ng/ul	69702000	3	14.34	29563900	20.0
Naphthalene, 2,3-...	13.67	48.6	ng/ul	71863400	3	14.34	29563900	20.0
Naphthalene, 1,3-...	13.89	20.7	ng/ul	30655700	3	14.34	29563900	20.0
Benzene, [1-(2,4-...	14.65	10.9	ng/ul	16173800	3	14.34	29563900	20.0
Naphthalene, 1,6,...	14.82	9.4	ng/ul	13959400	3	14.34	29563900	20.0
Naphthalene, 2,3,...	14.96	10.9	ng/ul	16062900	3	14.34	29563900	20.0
(DEL) Alkane: Str...	15.20	5.7	ng/ul	8373400	3	14.34	29563900	20.0
1-Isopropenylnaph...	15.50	8.7	ng/ul	12876300	3	14.34	29563900	20.0
1,1'-Biphenyl, 2-...	15.65	11.6	ng/ul	17206000	3	14.34	29563900	20.0
Dibenzofuran, 4-m...	15.70	31.1	ng/ul	46037200	3	14.34	29563900	20.0
Naphtho[1,2-b]thi...	16.92	2.1	ng/ul	77299700	4	17.15	725544000	20.0
5H-Dibenzo[a,d]cy...	18.04	2.4	ng/ul	86679900	4	17.15	725544000	20.0
unknown-01	18.19	3.8	ng/ul	136647000	4	17.15	725544000	20.0
4,4'-Bis(tetrahyd...	19.22	74.0	ng/ul	345136000	5	21.29	93213100	20.0
3,5-Dimethoxycinn...	19.41	2.3	ng/ul	10786900	5	21.29	93213100	20.0
Benzo(b)naphtho(1...	19.60	2.6	ng/ul	12206600	5	21.29	93213100	20.0
Benzo[kl]xanthene	19.70	3.2	ng/ul	14914800	5	21.29	93213100	20.0
11H-Benzo[b]fluorene	20.13	11.6	ng/ul	53892900	5	21.29	93213100	20.0
Benzo[b]naphtho[2...	20.93	3.3	ng/ul	15481200	5	21.29	93213100	20.0
Cyclopenta(cd)pyr...	20.96	3.0	ng/ul	13969700	5	21.29	93213100	20.0
7H-Benzo[c]carbazole	21.59	2.1	ng/ul	9971610	5	21.29	93213100	20.0
Benz[a]anthracene...	21.83	3.0	ng/ul	13908400	5	21.29	93213100	20.0