LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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	6.851	634	640	651	rBV2	866597	1667326	6.98%	0.652%
2	7.016	661	668	677	rVB	639105	966715	4.05%	0.378%
3	7.210	694	701	712	rVB	909052	1438357	6.02%	0.563%
4	7.675	772	780	787	rBV	859248	1415183	5.93%	0.553%
5	8.204	862	870	881	rBV	222706	431654	1.81%	0.169%
6	8.381	893	900	907	rBV	1153972	1826662	7.65%	0.714%
7	8.828	968	976	983	rBV	870327	1440861	6.03%	0.563%
8	9.539	1091	1097	1105	rBV	754586	1308760	5.48%	0.512%
9	10.080	1181	1189	1198	rBV	1152037	2003760	8.39%	0.784%
10	10.451	1243	1252	1257	rBV	1261675	2104240	8.81%	0.823%
11	10.498	1257	1260	1267	rVB	377153	604629	2.53%	0.236%
12	10.598	1267	1277	1288	rBV	452946	915585	3.83%	0.358%
13	11.963	1499	1509	1519	rBV	116979	280003	1.17%	0.110%
14	12.116	1529	1535	1541	rVB	180715	290247	1.22%	0.114%
15	12.339	1567	1573	1583	rVB	133643	240319	1.01%	0.094%
16	13.563	1775	1781	1788	rBV2	219380	388295	1.63%	0.152%
17	13.733	1805	1810	1814	rBV	2010813	2706587	11.34%	1.058%
18	13.774	1814	1817	1825	rVB	467322	690916	2.89%	0.270%
19	14.010	1845	1857	1860	rBV	2295156	3887018	16.28%	1.520%
20	14.033	1860	1861	1869	rVB	1270757	1486253	6.22%	0.581%
21	14.316	1902	1909	1916	rVV2	1743369	2855120	11.96%	1.117%
22	14.380	1916	1920	1926	rVB	596639	868248	3.64%	0.340%
23	14.539	1939	1947	1949	rBV2	761807	1224273	5.13%	0.479%
24	14.580	1949	1954	1970	rVV	3365130	5620255	23.54%	2.198%
25	14.715	1973	1977	1987	rVB	437477	720294	3.02%	0.282%
26	14.945	2008	2016	2022	rBV9	89267	253959	1.06%	0.099%
27	15.174	2051	2055	2063	rVB3	247257	399454	1.67%	0.156%
28	15.315	2070	2079	2084	rBV	2735512	4089458	17.13%	1.599%
29	15.368	2084	2088	2096	rVB2	306882	463924	1.94%	0.181%
30	15.451	2097	2102	2107	rBV	652496	933334	3.91%	0.365%
31	15.810	2160	2163	2171	rVB2	126868	253869	1.06%	0.099%
32	16.045	2197	2203	2210	rBV3	518837	1101059	4.61%	0.431%
33	16.721	2313	2318	2327	rBV	3494472	5139223	21.52%	2.010%
34	16.833	2333	2337	2341	rVB	240002	264272	1.11%	0.103%

LSC Area Percent Report

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Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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	16.886	2342	2346	2355	rVB	391107	654590	2.74%	0.256%
36	16.968	2356	2360	2366	rBV6	149663	283039	1.19%	0.111%
37	17.068	2372	2377	2380	rBV2	1993868	2842835	11.91%	1.112%
38	17.109	2380	2384	2389	rVV	3711017	5065419	21.22%	1.981%
39	17.168	2389	2394	2397	rVV	2664358	4067721	17.04%	1.591%
40	17.204	2397	2400	2405	rVB	2639836	3413371	14.30%	1.335%
41	17.256	2405	2409	2414	rBV3	200510	296043	1.24%	0.116%
42	17.474	2436	2446	2455	rBV2	734082	1654990	6.93%	0.647%
43	17.568	2459	2462	2470	rVB5	300504	603752	2.53%	0.236%
44	17.939	2518	2525	2527	rBV3	328157	580430	2.43%	0.227%
45	17.980	2527	2532	2540	rVB2	1676163	2655595	11.12%	1.039%
46	18.068	2544	2547	2552	rVB	437693	583798	2.45%	0.228%
47	18.139	2554	2559	2563	rBV2	585940	1104706	4.63%	0.432%
48	18.262	2576	2580	2583	rBV3	335383	423482	1.77%	0.166%
49	18.339	2589	2593	2599	rBV2	417872	679072	2.84%	0.266%
50	18.445	2609	2611	2615	rVB	306060	343525	1.44%	0.134%
51	18.492	2615	2619	2625	rBV	727164	975832	4.09%	0.382%
52	18.868	2679	2683	2685	rBV2	244059	401303	1.68%	0.157%
53	19.009	2703	2707	2713	rBV	968321	1406521	5.89%	0.550%
54	19.139	2722	2729	2735	rVB	9894229	13829225	57.92%	5.408%
55	19.233	2742	2745	2746	rBV2	282567	291147	1.22%	0.114%
56	19.262	2746	2750	2757	rVB2	1238000	2123974	8.90%	0.831%
57	19.468	2780	2785	2787	rBV2	3806054	5502143	23.04%	2.152%
58	19.503	2787	2791	2798	rVV	11311886	15375749	64.40%	6.013%
59	19.568	2799	2802	2809	rVB4	485088	790311	3.31%	0.309%
60	19.745	2827	2832	2839	rVB	1733219	2554353	10.70%	0.999%
61	19.833	2840	2847	2852	rBV5	910718	2195206	9.19%	0.858%
62	19.974	2864	2871	2878	rVB2	1125495	3339429	13.99%	1.306%
63	20.092	2889	2891	2894	rVB	348598	357927	1.50%	0.140%
64	20.150	2895	2901	2905	rVV3	1241421	2273644	9.52%	0.889%
65	20.192	2905	2908	2912	rVB	434926	540772	2.26%	0.211%
66	20.292	2921	2925	2929	rBV	1329234	1800352	7.54%	0.704%
67	20.744	2998	3002	3008	rVB	1515314	1961830	8.22%	0.767%
68	20.909	3026	3030	3033	rBV3	805664	1145854	4.80%	0.448%
69	20.944	3033	3036	3039	rVV	1176907	1458842	6.11%	0.571%
70	20.980	3039	3042	3049	rVV2	2257489	3654402	15.31%	1.429%
71	21.044	3050	3053	3063	rVB2	1084795	1849971	7.75%	0.723%

LSC Area Percent Report

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Data File : BM013497.D
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Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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	21.256	3080	3089	3092	rBV2	6036384	11747390	49.20%	4.594%
73	21.303	3095	3097	3107	rVB	5763389	7407639	31.03%	2.897%
74	21.421	3114	3117	3124	rVB3	690601	1393901	5.84%	0.545%
75	21.568	3138	3142	3148	rVB2	1178313	1854585	7.77%	0.725%
76	21.627	3148	3152	3156	rBV3	680012	949167	3.98%	0.371%
77	21.756	3171	3174	3177	rBV	519097	853729	3.58%	0.334%
78	21.809	3181	3183	3187	rVV	1229184	1526968	6.40%	0.597%
79	21.868	3189	3193	3198	rVV2	851728	1575765	6.60%	0.616%
80	21.927	3201	3203	3207	rVB	586357	708391	2.97%	0.277%
81	22.009	3213	3217	3220	rBV	843467	1168117	4.89%	0.457%
82	22.109	3230	3234	3238	rVB2	612327	889518	3.73%	0.348%
83	22.297	3262	3266	3271	rBV4	537354	891288	3.73%	0.349%
84	22.580	3308	3314	3324	rVB4	1043525	2604332	10.91%	1.018%
85	22.703	3332	3335	3340	rVB	550881	871860	3.65%	0.341%
86	22.844	3350	3359	3363	rBV	10395485	23876261	100.00%	9.337%
87	23.003	3381	3386	3391	rVB	1674816	2586715	10.83%	1.012%
88	23.133	3403	3408	3416	rBV	751486	1895759	7.94%	0.741%
89	23.315	3432	3439	3444	rBV	5638843	10393254	43.53%	4.065%
90	23.362	3444	3447	3450	rVV2	1332028	2121385	8.88%	0.830%
91	23.409	3450	3455	3461	rVB	5627633	9694521	40.60%	3.791%
92	23.497	3466	3470	3474	rVV	924092	1756388	7.36%	0.687%
93	23.544	3474	3478	3486	rVB2	2333567	4699806	19.68%	1.838%
94	25.068	3731	3737	3743	rBV6	476605	1285631	5.38%	0.503%
95	25.509	3805	3812	3821	rVB4	670146	1883508	7.89%	0.737%
96	25.756	3843	3854	3863	rVB2	4471108	13302246	55.71%	5.202%
97	26.438	3959	3970	3988	rVB	2484709	8404955	35.20%	3.287%

Sum of corrected areas: 255704346

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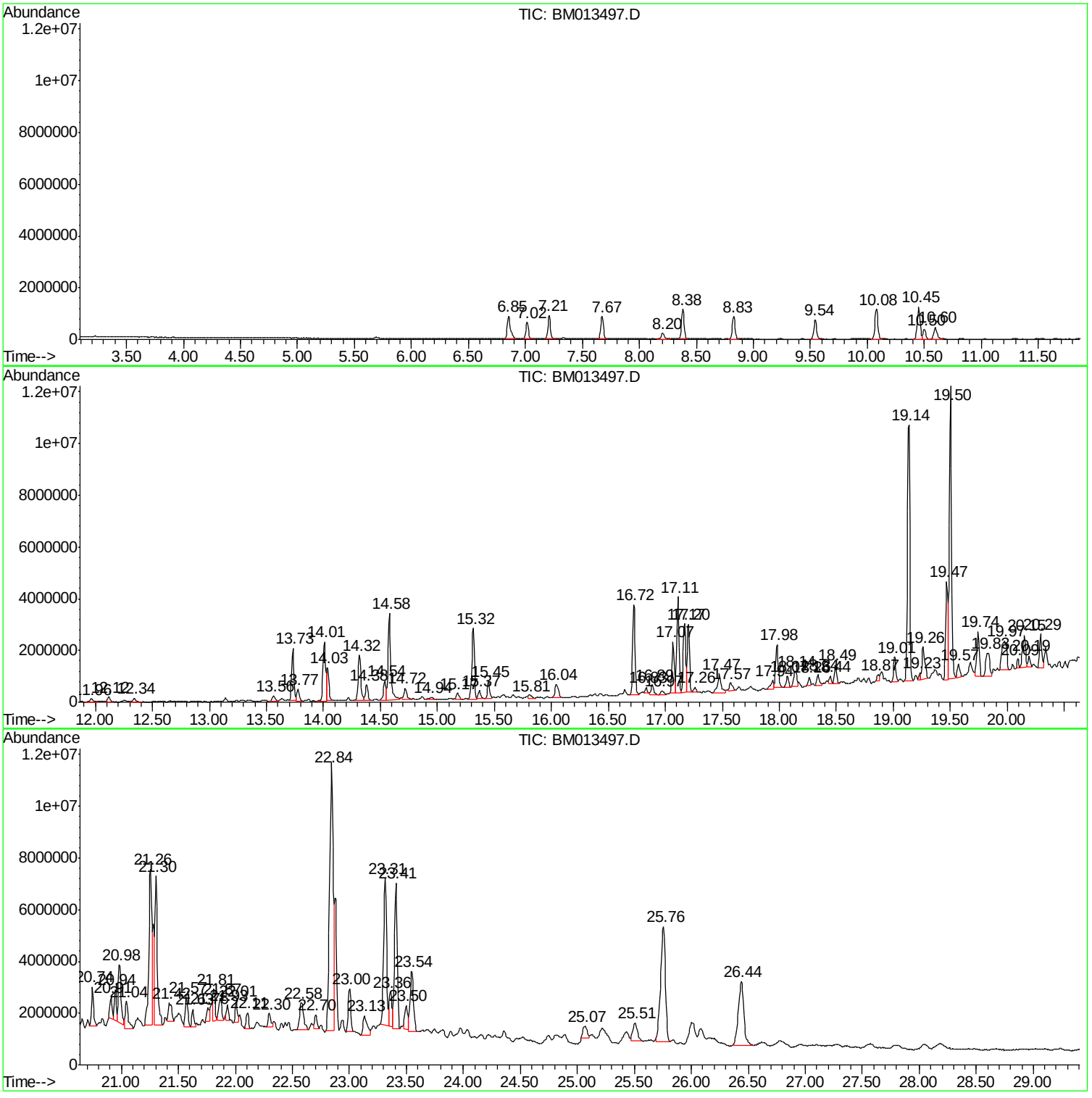
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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\
Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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

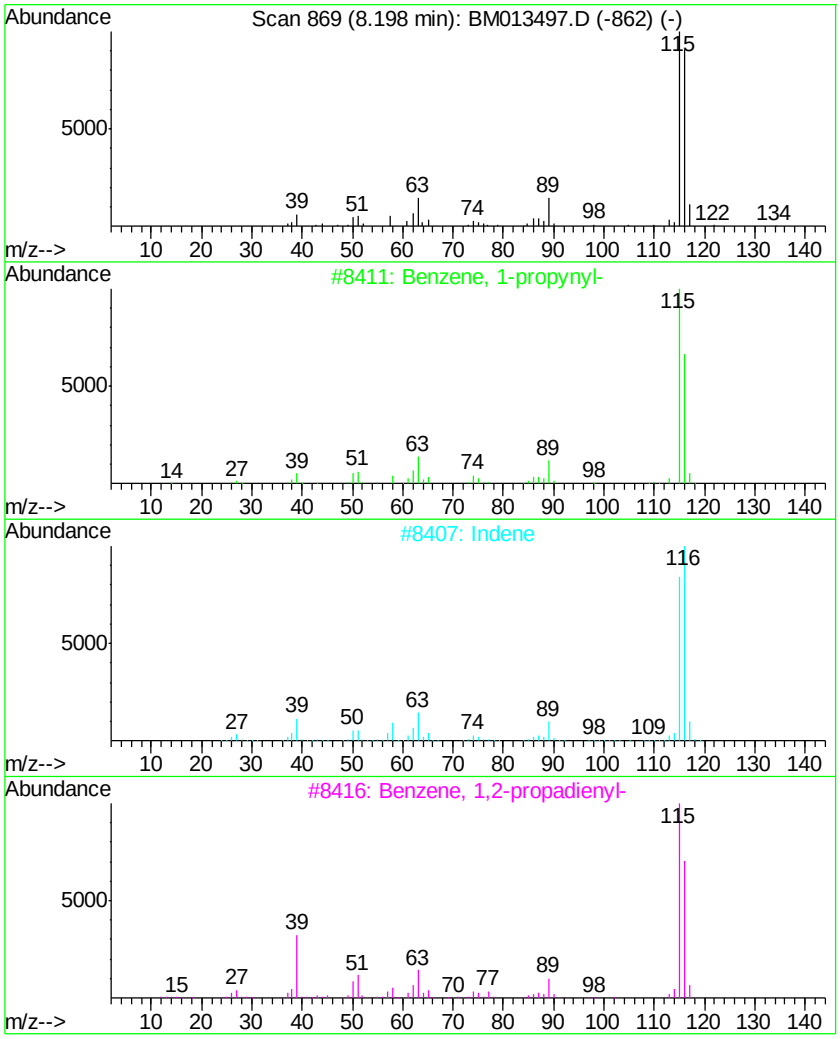
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

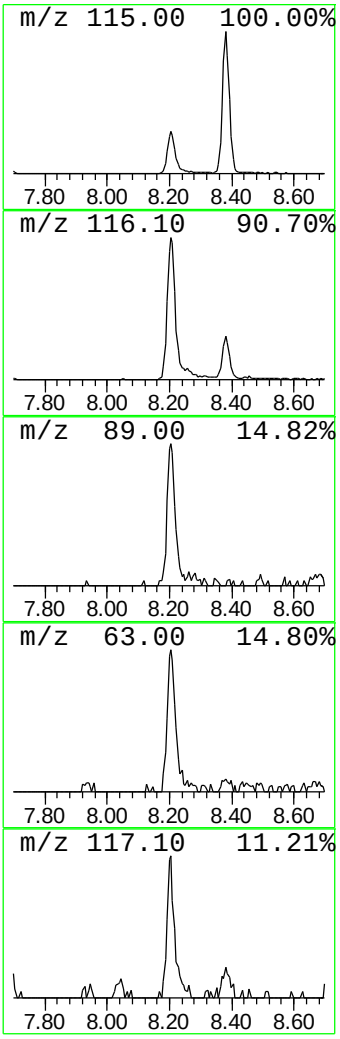
****

Peak Number 1 Benzene, 1-propynyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	6.10 ng/ul	431654	1,4-Dichlorobenzene-d4	7.67

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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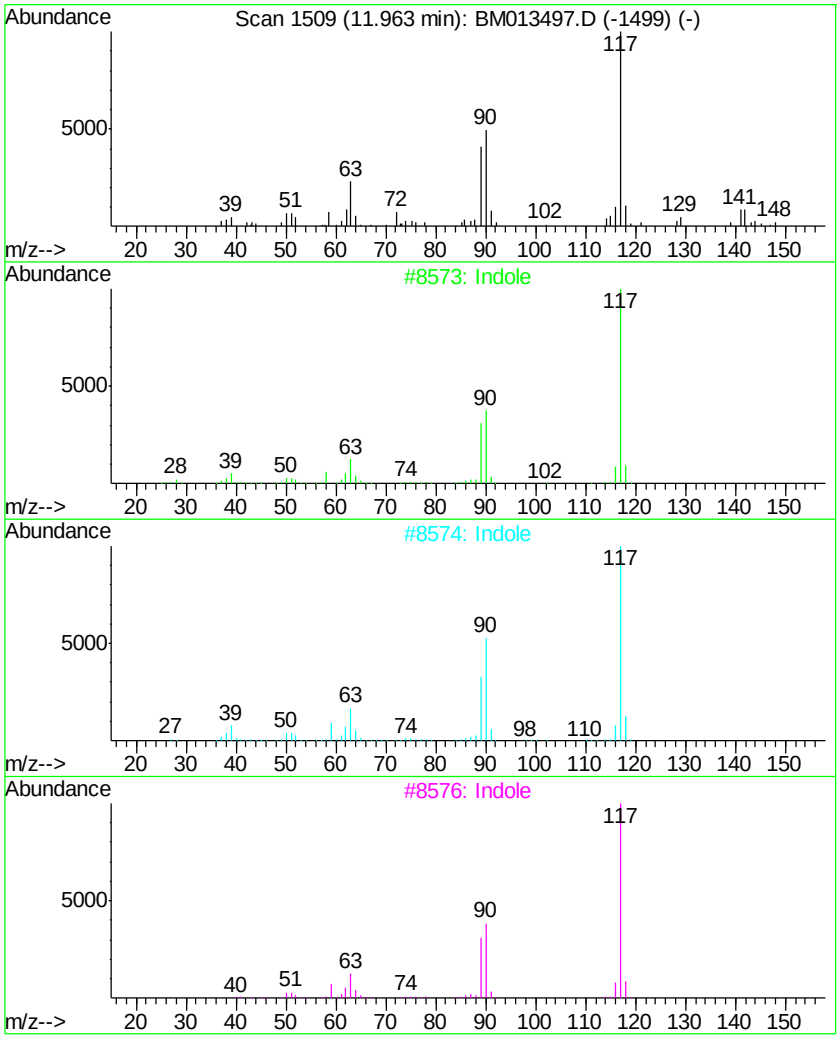
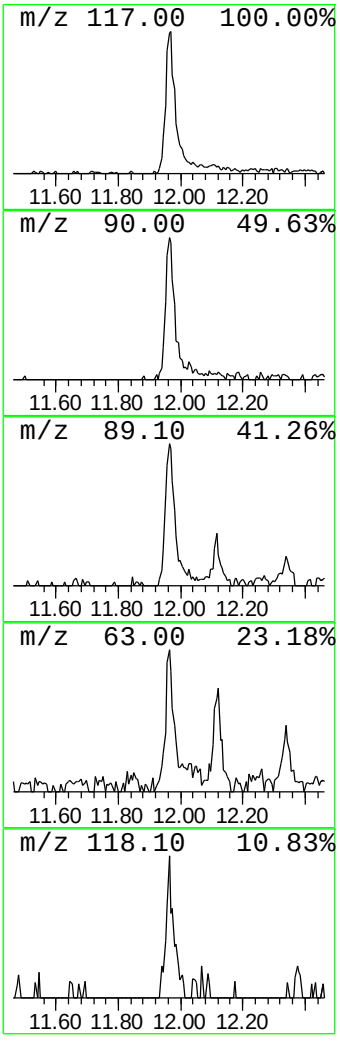
Peak Number 2 Indole Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.66 ng/ul	280003	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	93
2	Indole	117	C8H7N	000120-72-9	93
3	Indole	117	C8H7N	000120-72-9	93
4	5H-1-Pyrindine	117	C8H7N	000270-91-7	87
5	Indolizine	117	C8H7N	000274-40-8	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
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Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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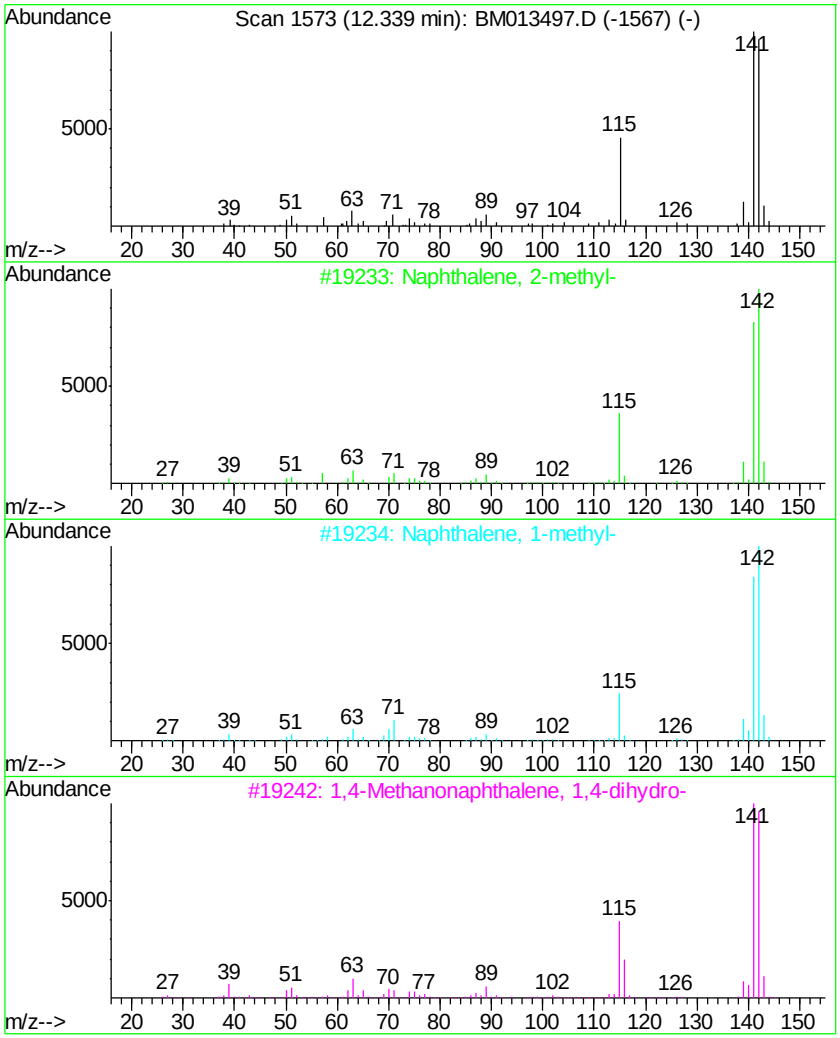
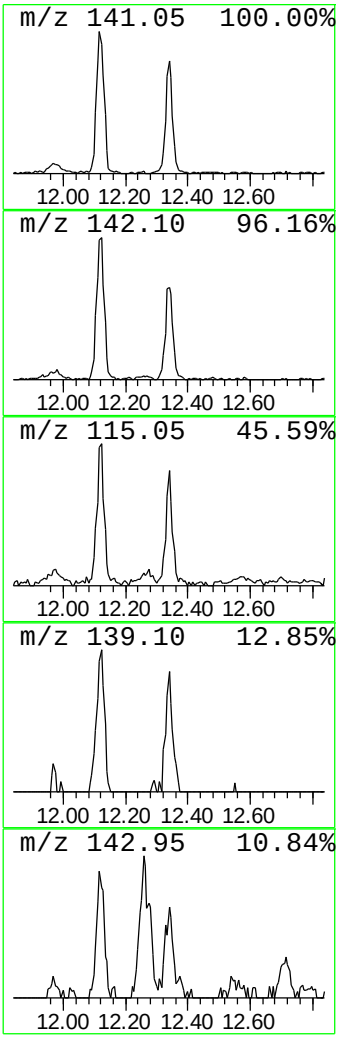
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.28 ng/ul	240319	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
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Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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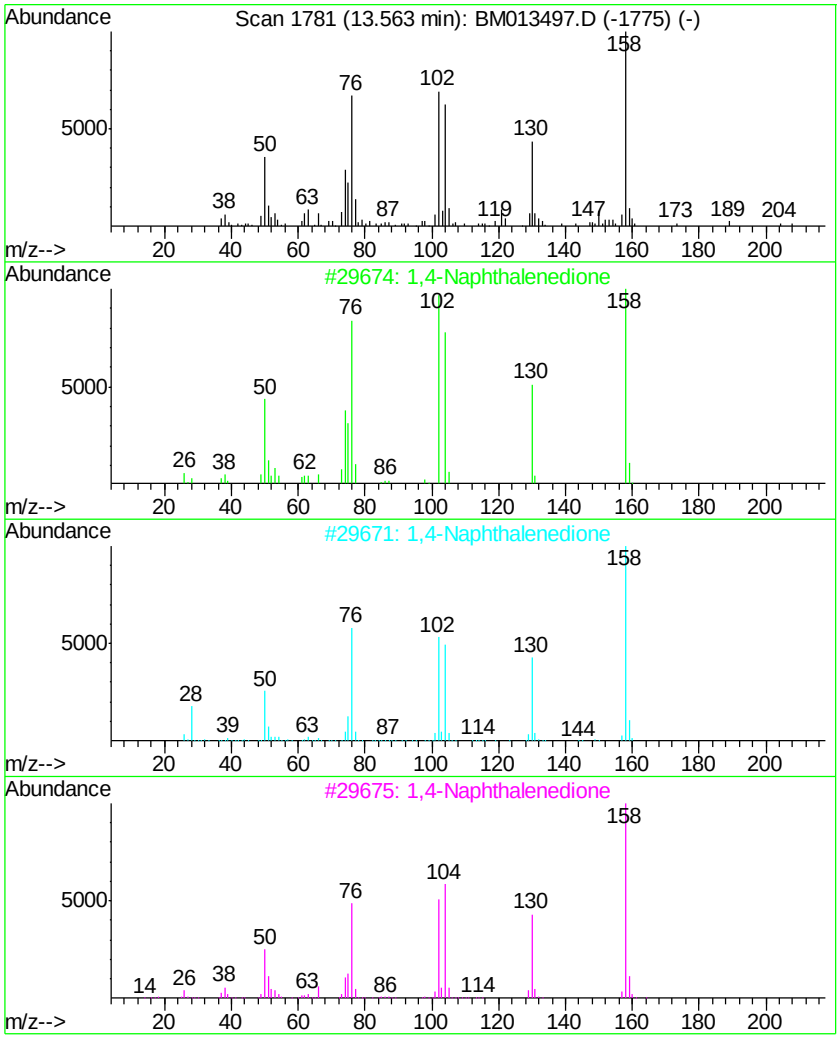
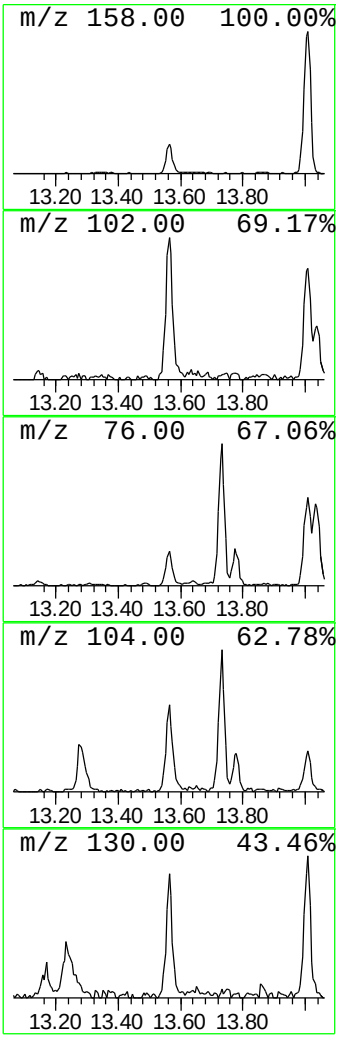
Peak Number 4 1,4-Naphthalenedione Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.72 ng/ul	388295	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	99
2	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	95
3	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	91
4	1H-Imidazole, 1-(4-methylphenyl)-	158	C10H10N2	1000351-29-5	38
5	Phenylethyne	102	C8H6	000536-74-3	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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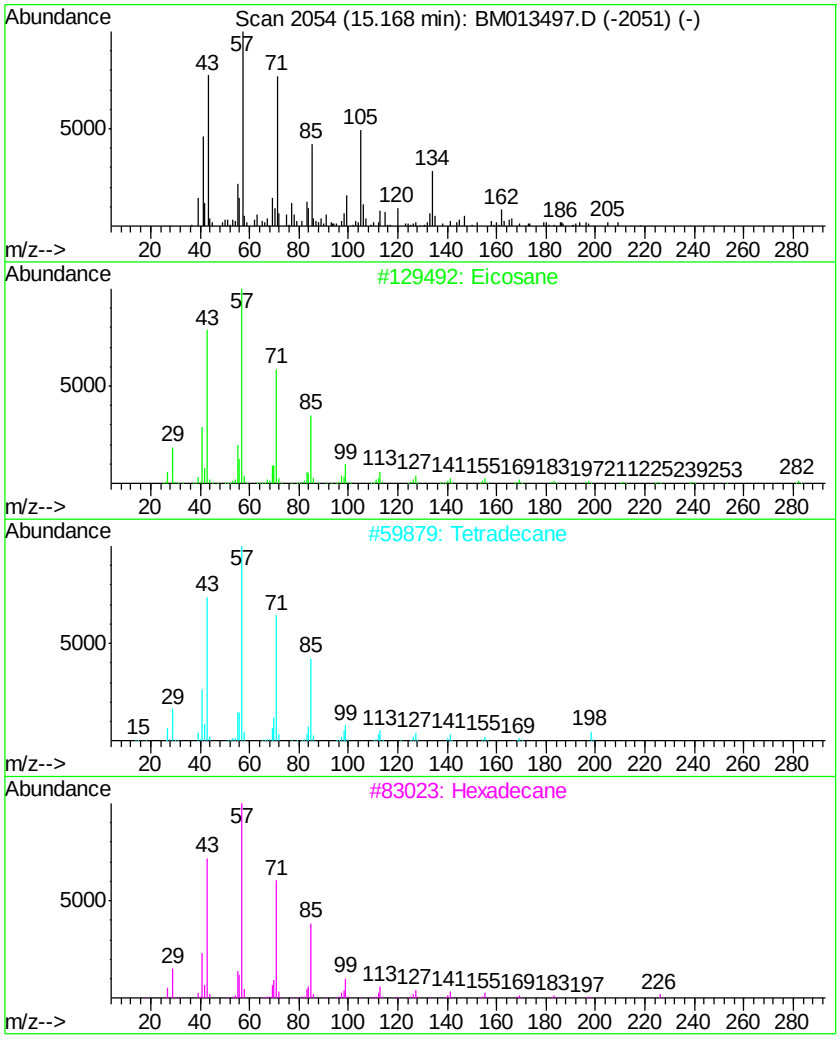
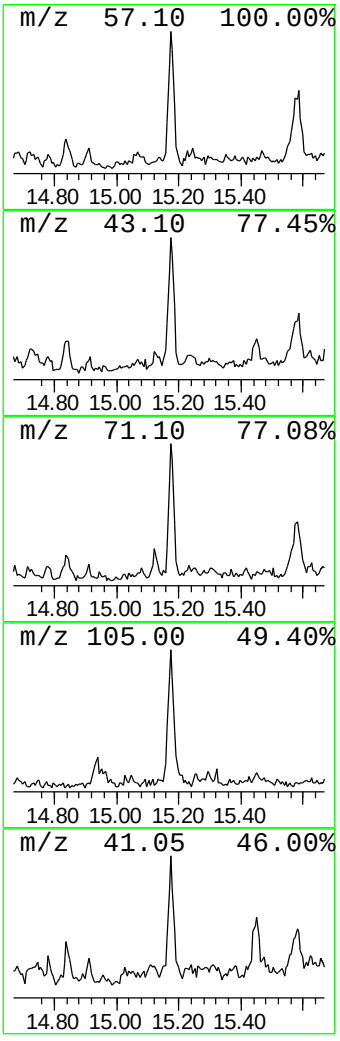
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.80 ng/ul	399454	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	64
2	Tetradecane	198	C14H30	000629-59-4	64
3	Hexadecane	226	C16H34	000544-76-3	64
4	Pentadecane	212	C15H32	000629-62-9	64
5	Heptacosane	380	C27H56	000593-49-7	64





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Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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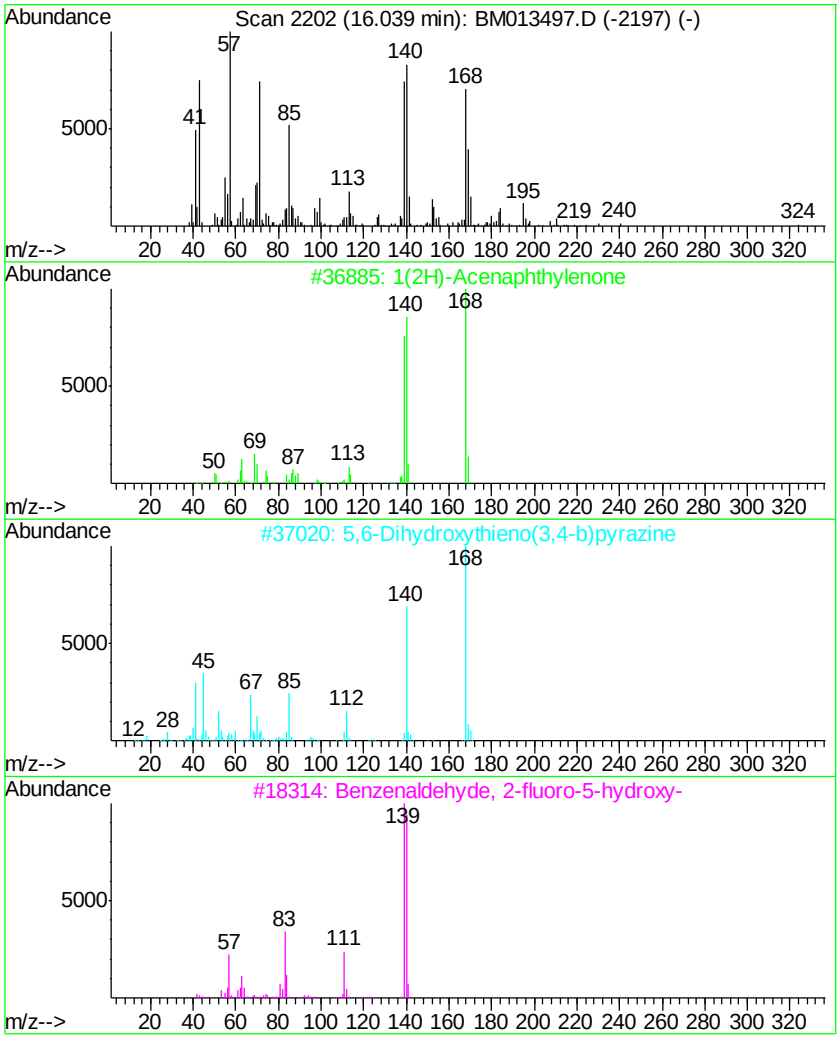
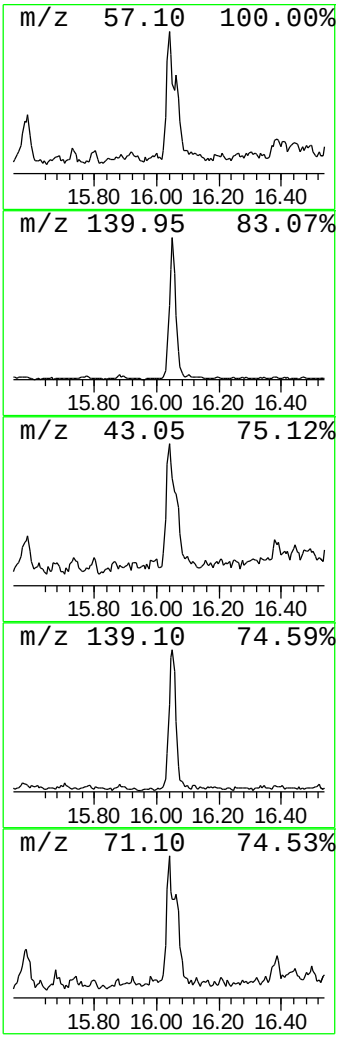
Peak Number 6 1(2H)-Acenaphthylenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	7.75 ng/ul	1101060	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	5,6-Dihydroxythieno(3,4-b)pyrazine	168	C6H4N2O2S	090070-10-3	43
3	Benzenaldehyde, 2-fluoro-5-hydroxy-	140	C7H5FO2	103438-84-2	38
4	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	35
5	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	35





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Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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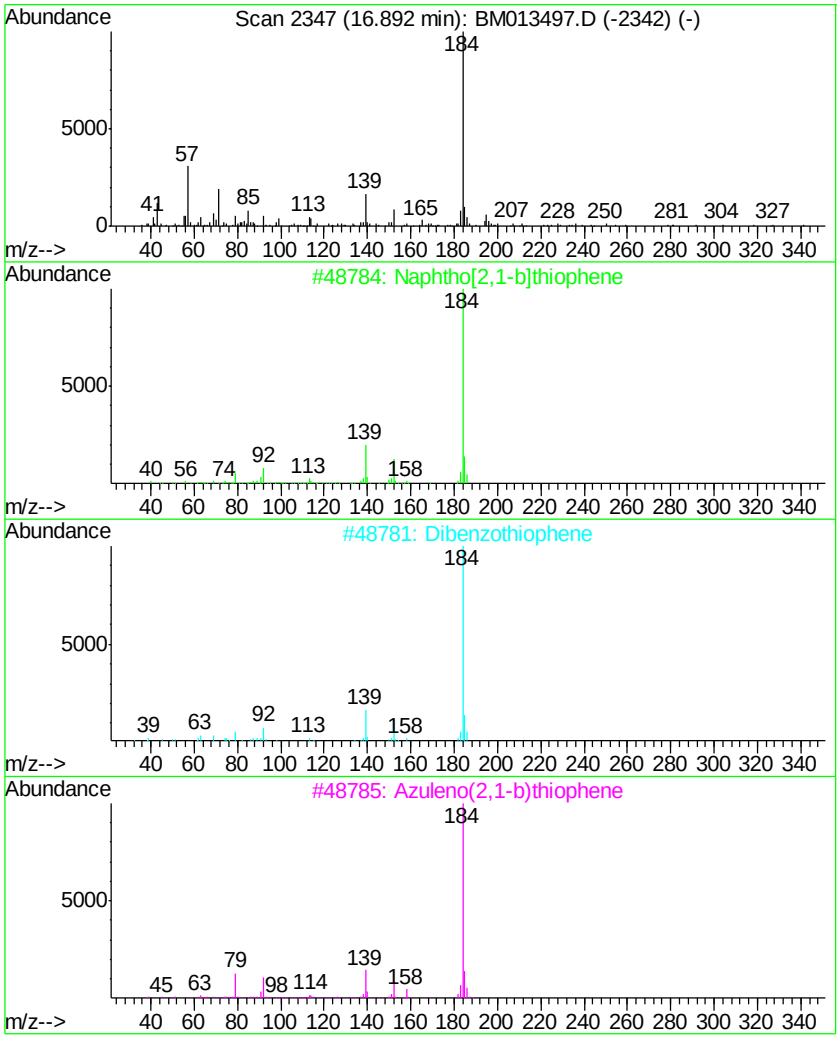
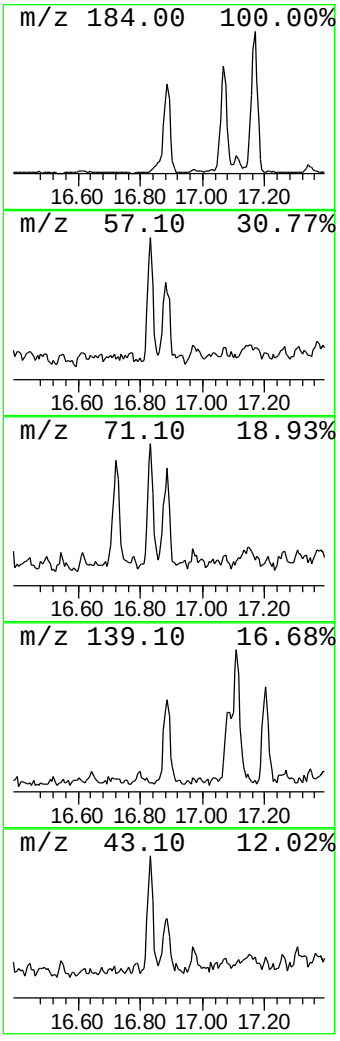
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	4.61 ng/ul	654590	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	81
2	Dibenzothiophene	184	C12H8S	000132-65-0	64
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
4	Dibenzothiophene	184	C12H8S	000132-65-0	62
5	Dibenzothiophene	184	C12H8S	000132-65-0	62





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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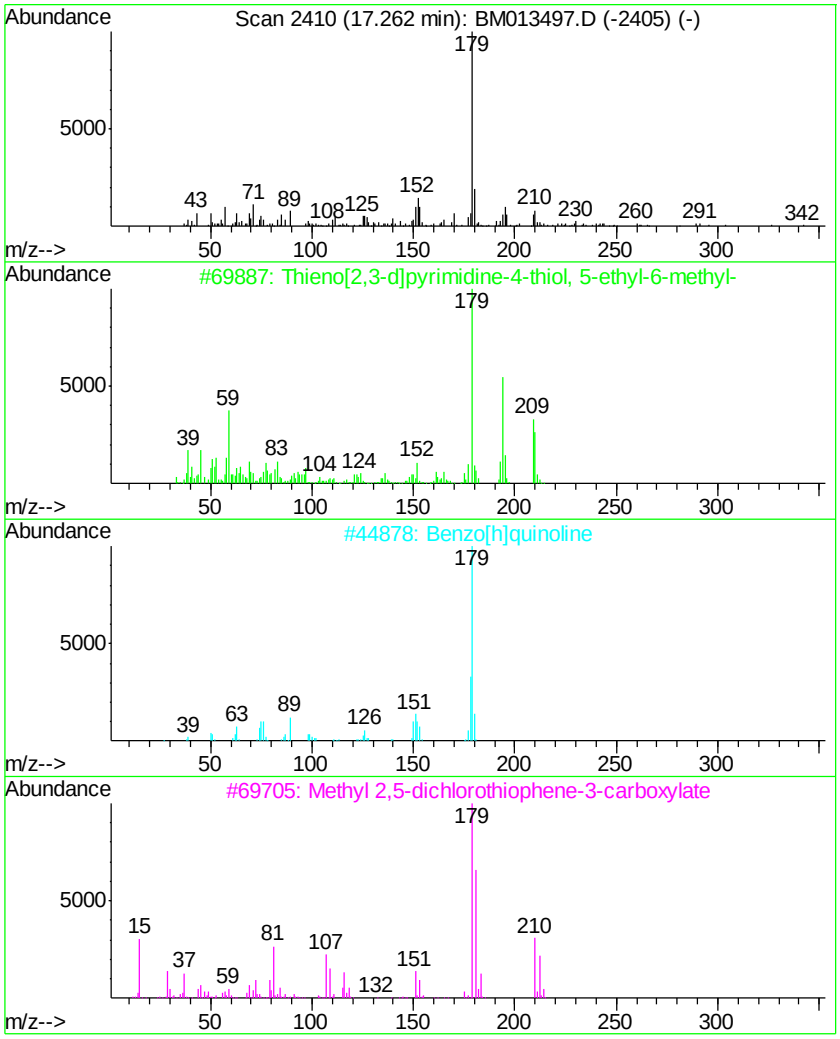
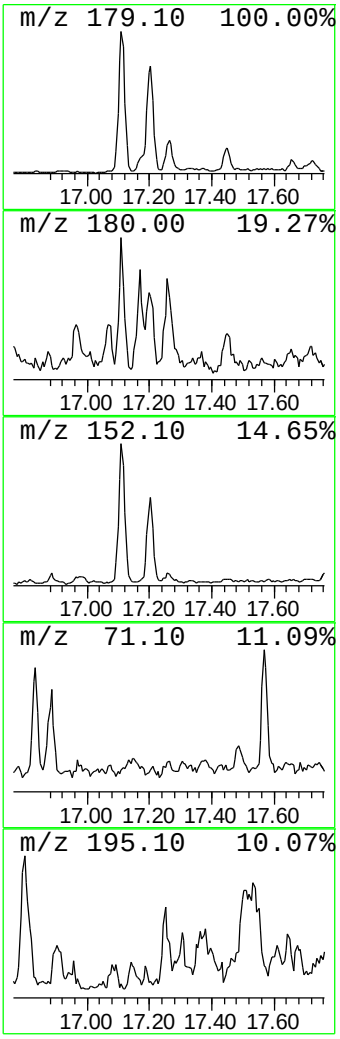
Peak Number 8 Thieno[2,3-d]pyrimidine-4-t... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.08 ng/ul	296043	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[2,3-d]pyrimidine-4-thiol,...	210	C9H10N2S2	1000303-48-8	60
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	55
3	Methyl 2,5-dichlorothiophene-3-c...	210	C6H4Cl2O2S	145129-54-0	47
4	9-(1-Benzoylpropyl)-9,10-dihydro...	327	C23H21NO	015539-50-1	47
5	1,2-Benzenedicarboxylic acid, 4-...	210	C10H10O5	022479-95-4	47





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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Quant Title : SVOA CALIBRATION

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

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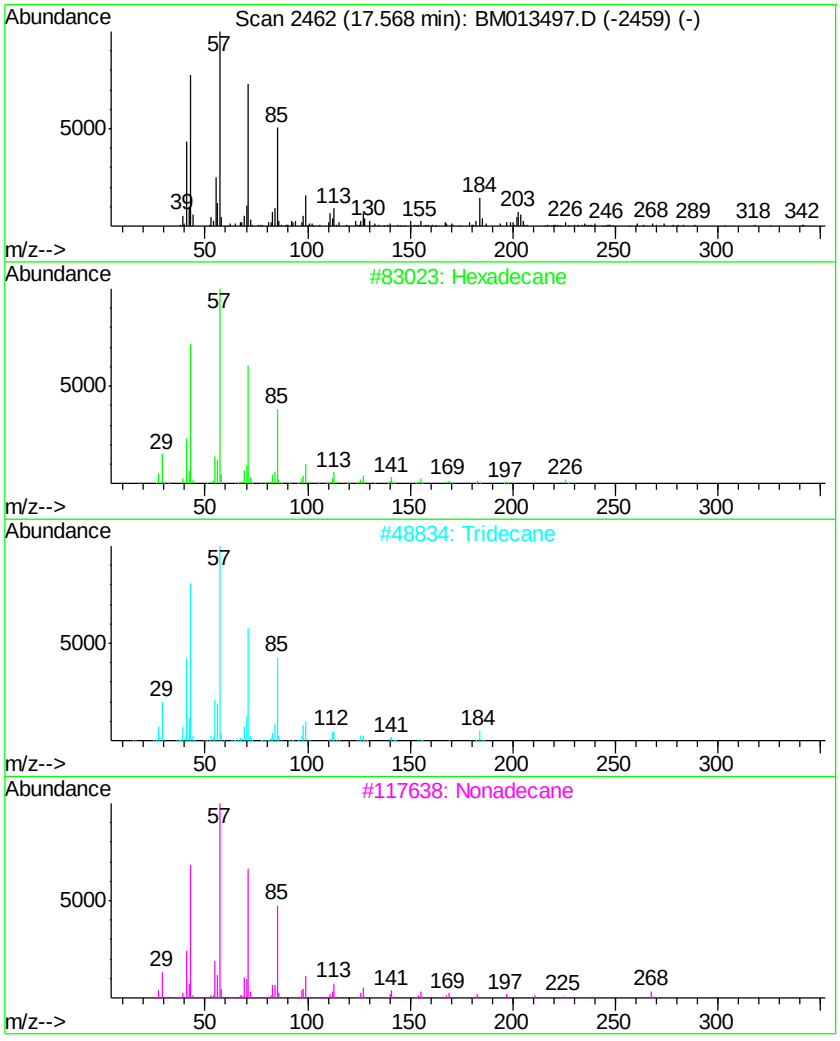
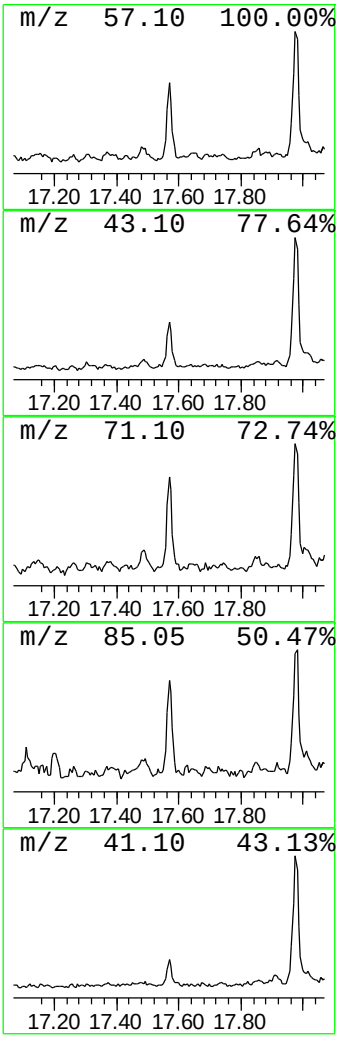
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	4.25 ng/ul	603752	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Tridecane	184	C13H28	000629-50-5	91
3	Nonadecane	268	C19H40	000629-92-5	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Hexadecane	226	C16H34	000544-76-3	89





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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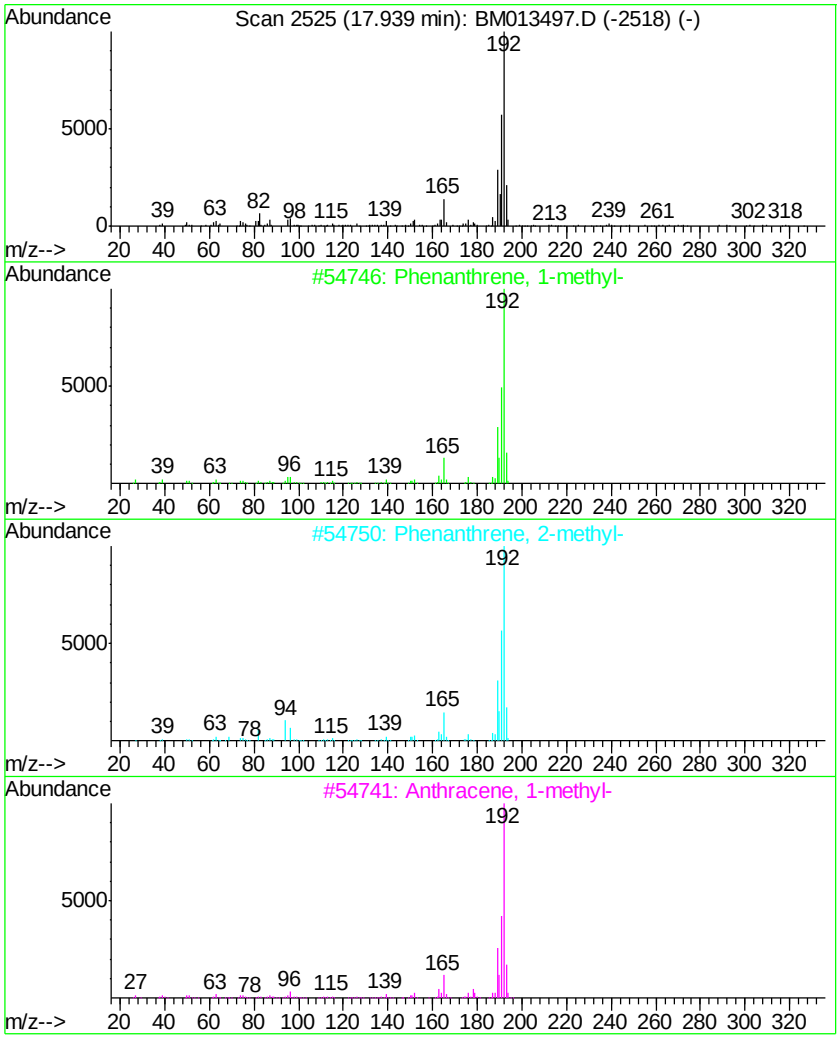
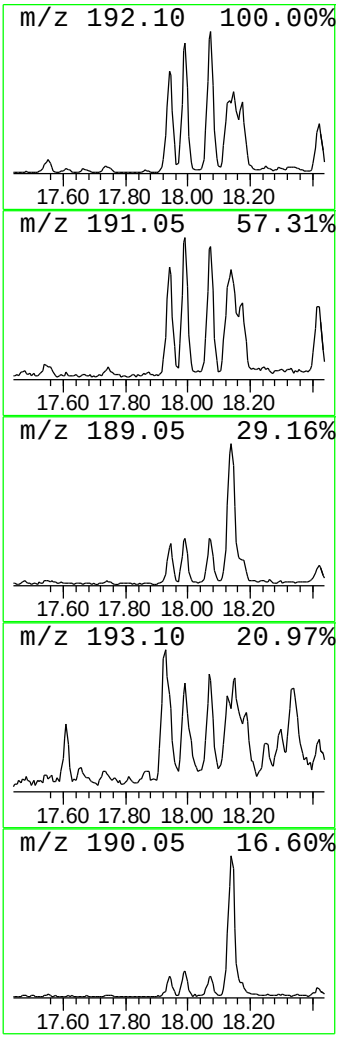
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.08 ng/ul	580430	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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Quant Title : SVOA CALIBRATION

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

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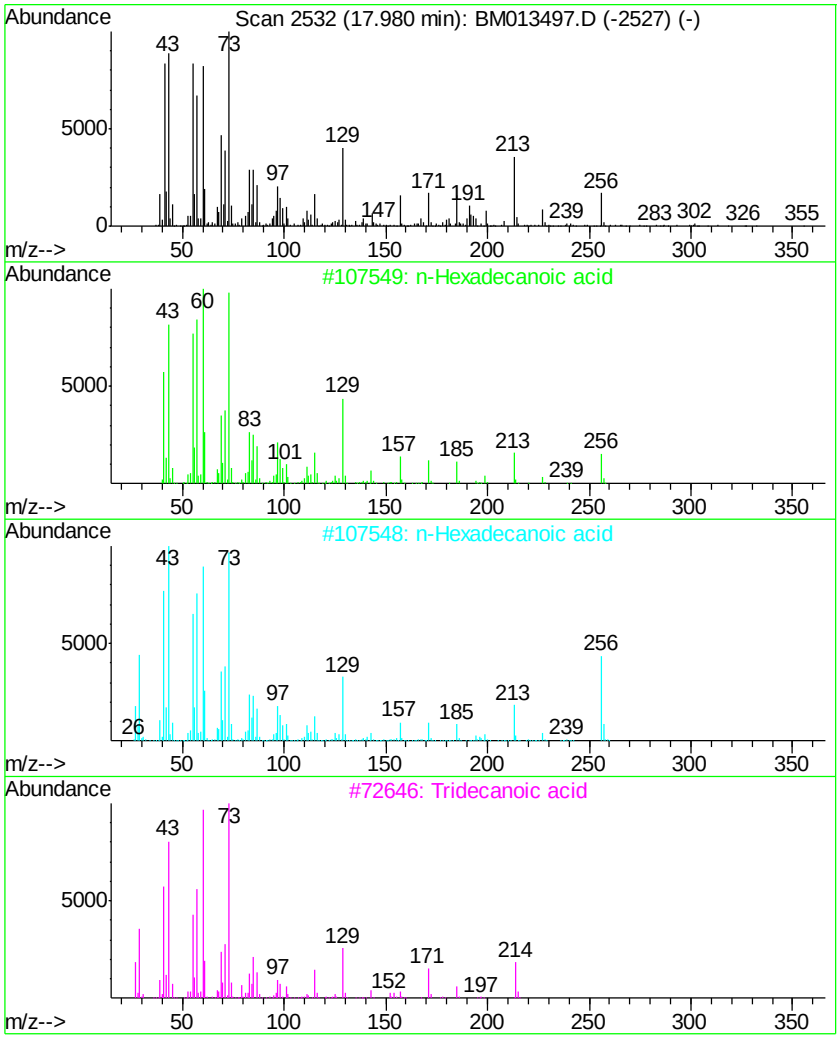
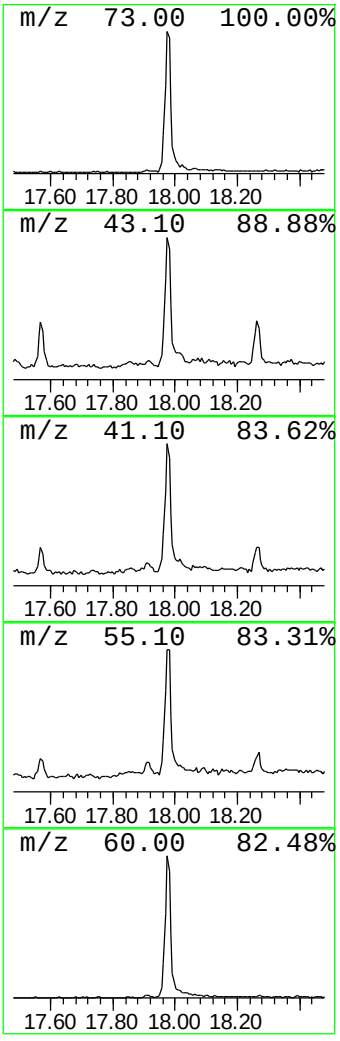
Peak Number 11 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	18.68 ng/ul	2655600	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	90





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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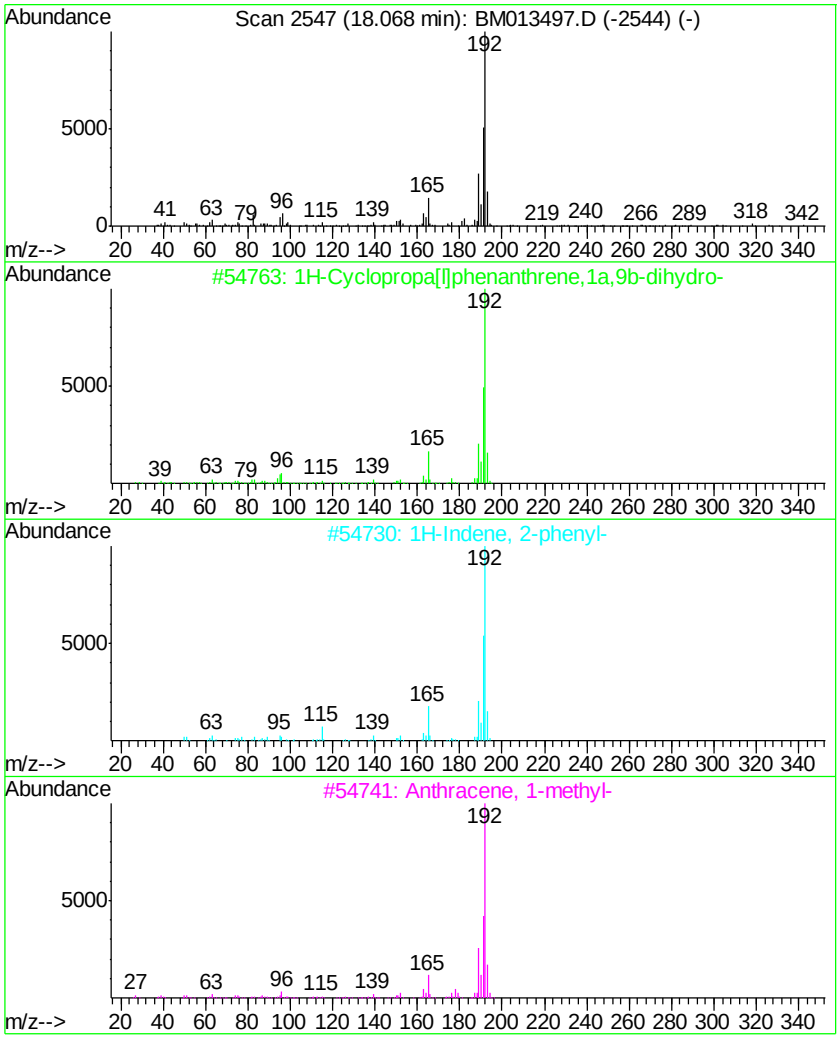
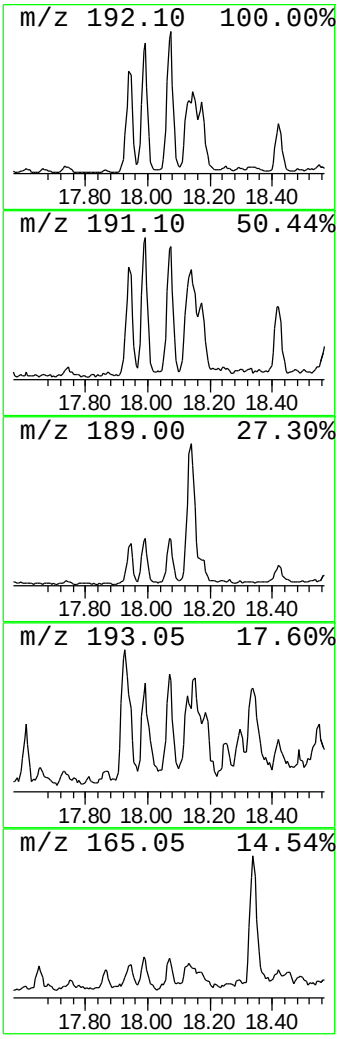
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.11 ng/ul	583798	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91





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Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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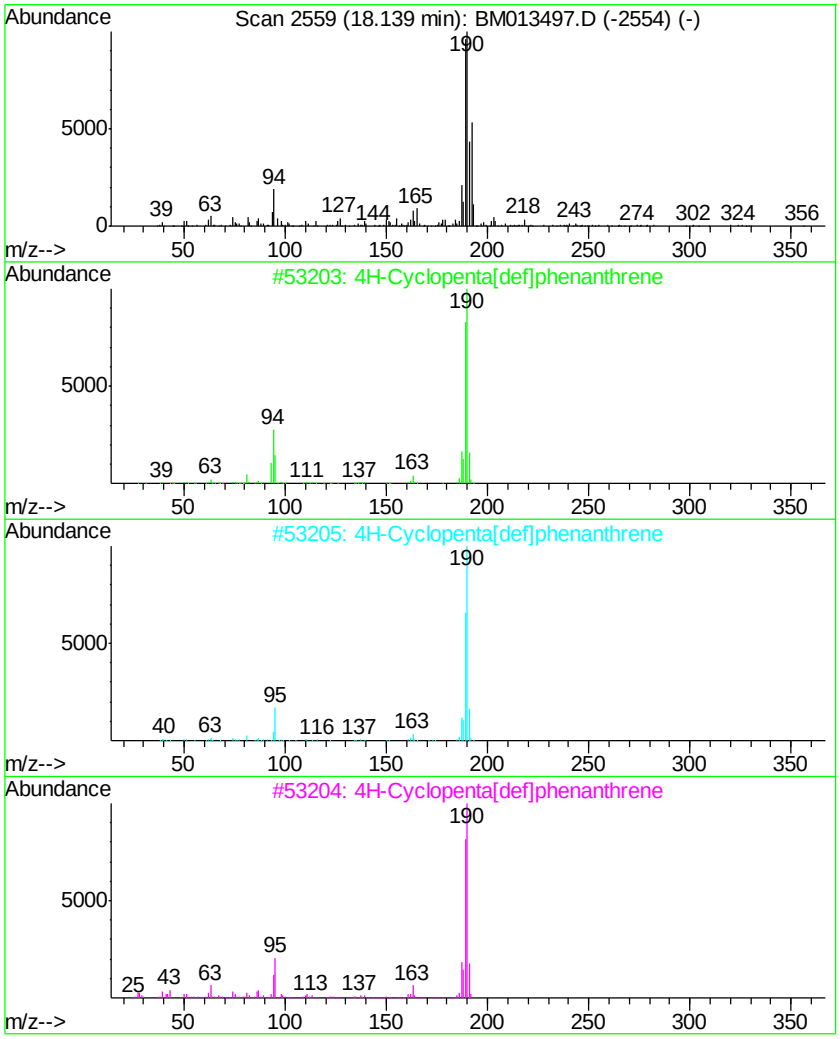
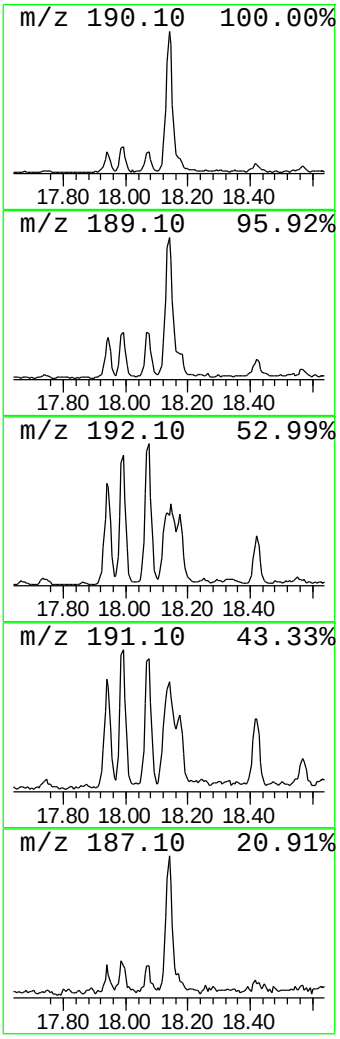
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	7.77 ng/ul	1104710	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	18
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	18





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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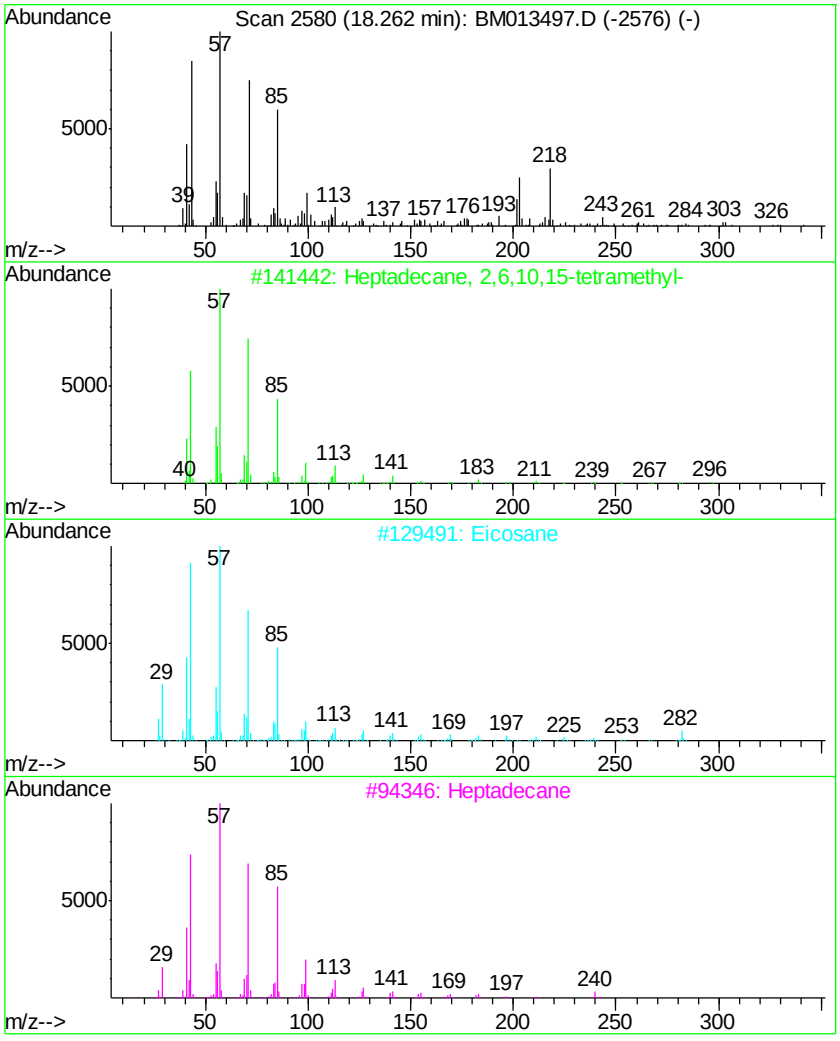
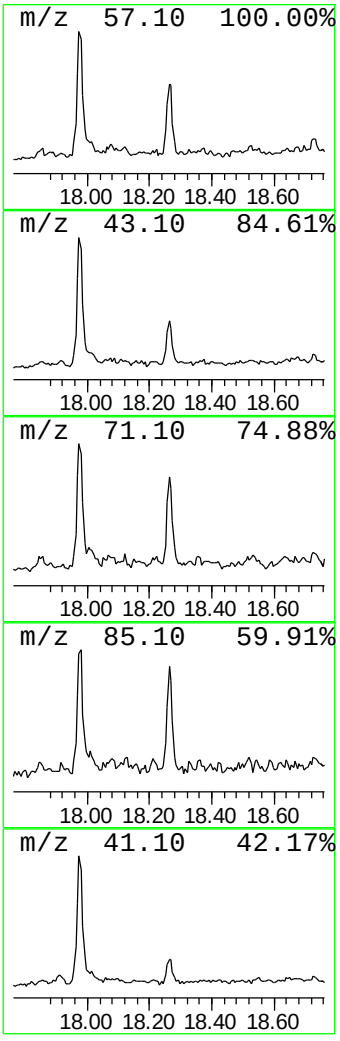
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	2.98 ng/ul	423482	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Eicosane	282	C20H42	000112-95-8	86
3	Heptadecane	240	C17H36	000629-78-7	62
4	Triacontane	422	C30H62	000638-68-6	58
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	58





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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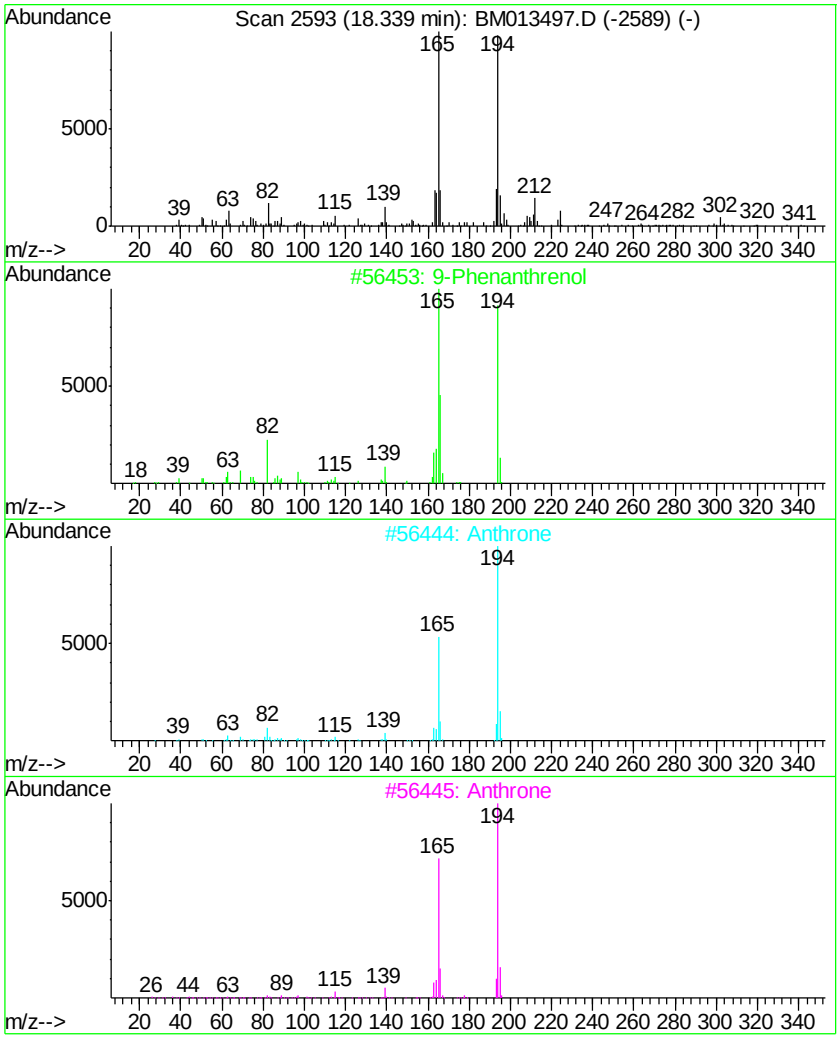
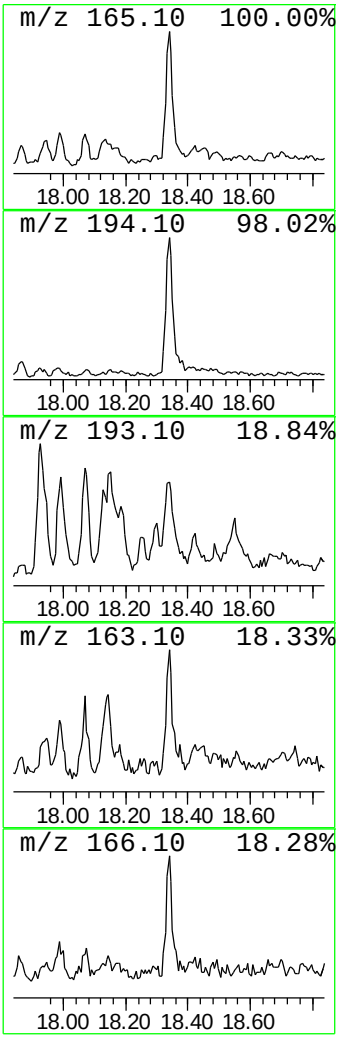
Peak Number 15 9-Phenanthrenol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.78 ng/ul	679072	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Phenanthrenol	194	C14H10O	000484-17-3	89
2	Anthrone	194	C14H10O	000090-44-8	87
3	Anthrone	194	C14H10O	000090-44-8	87
4	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	83
5	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	83





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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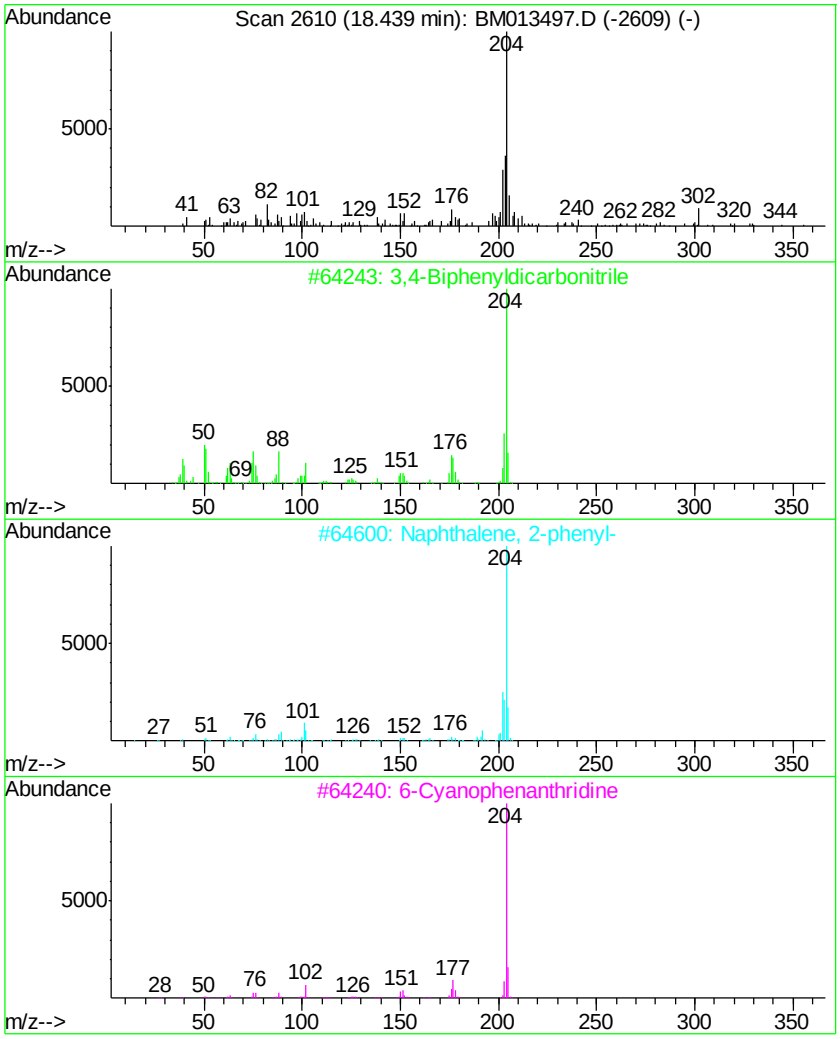
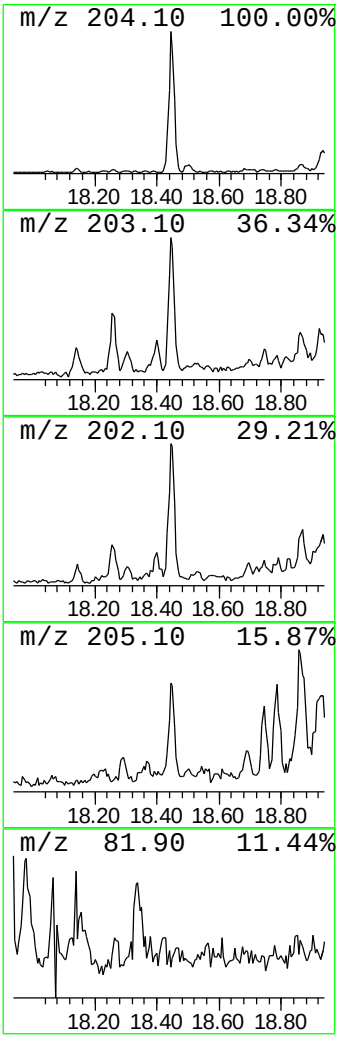
Peak Number 16 3,4-Biphenyldicarbonitrile Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.42 ng/ul	343525	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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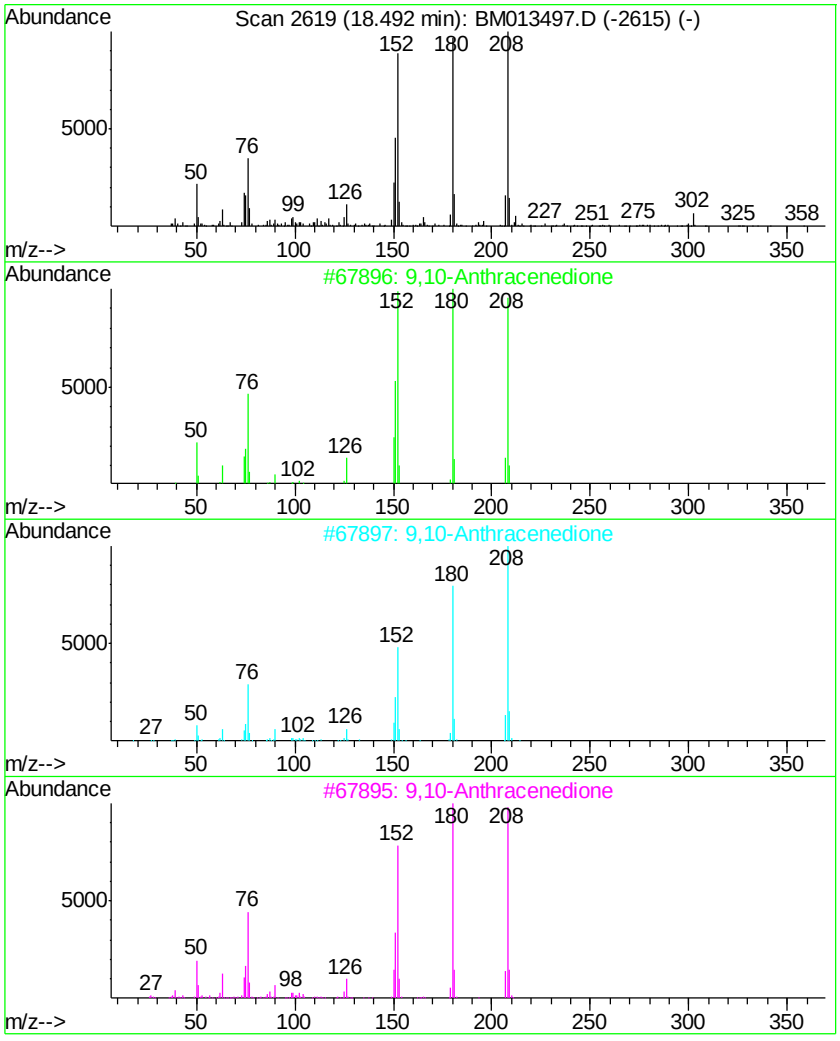
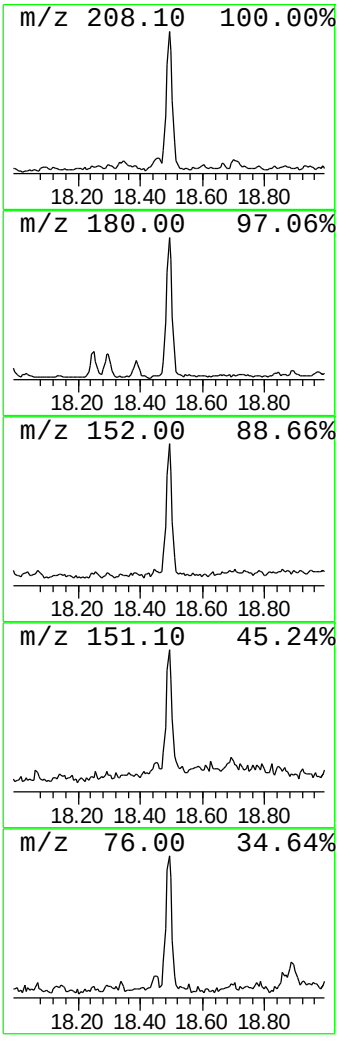
Peak Number 17 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	6.87 ng/ul	975832	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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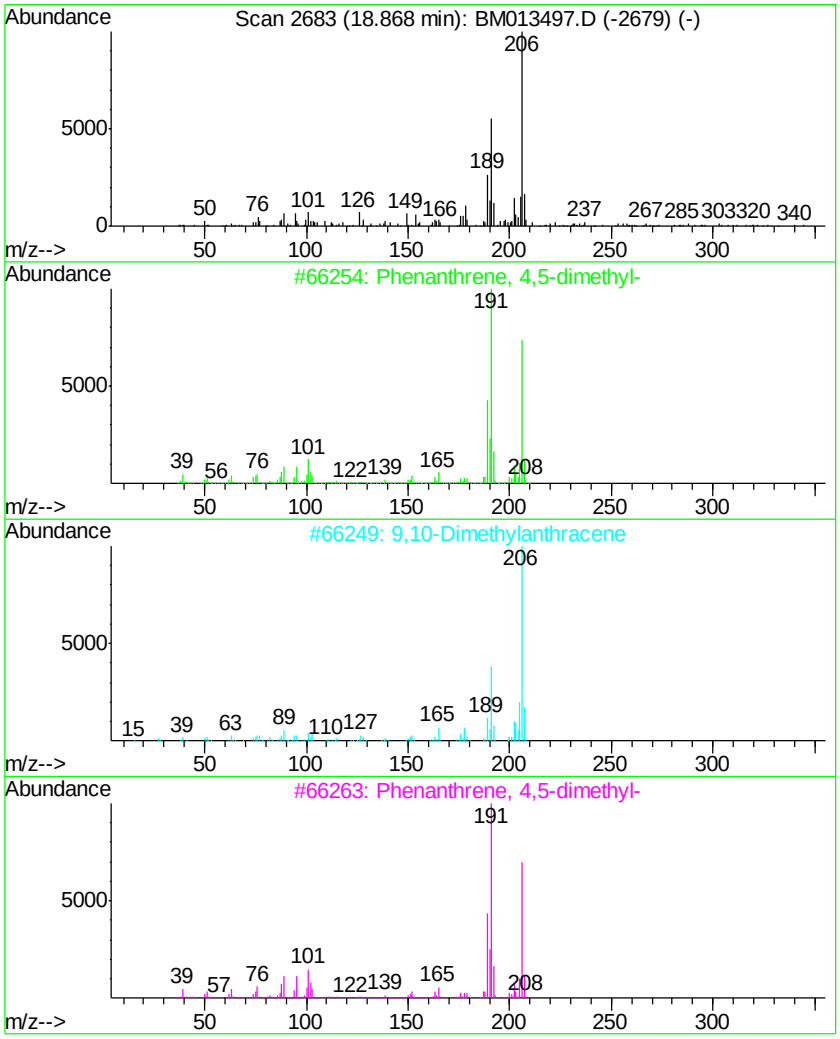
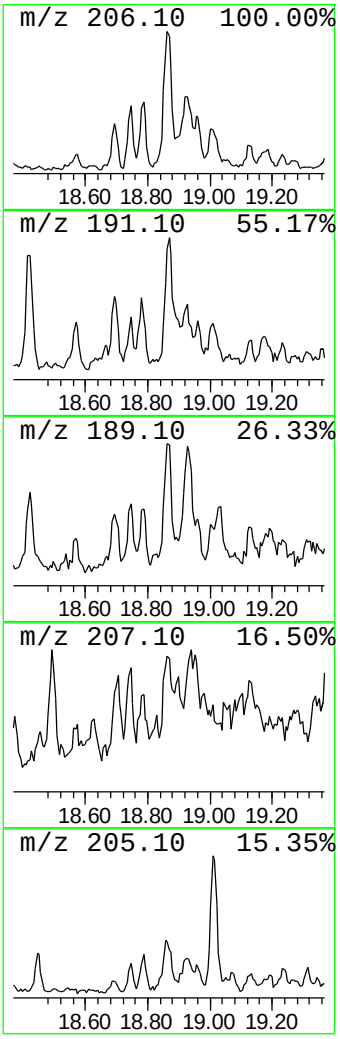
Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.82 ng/ul	401303	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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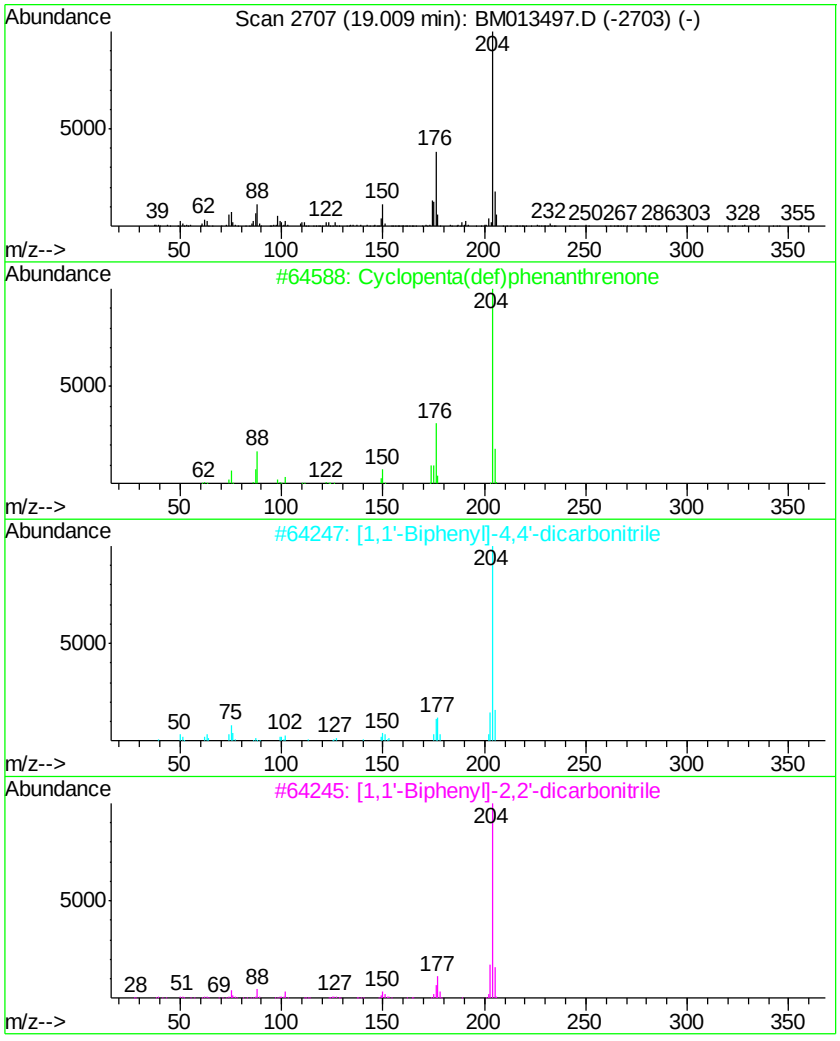
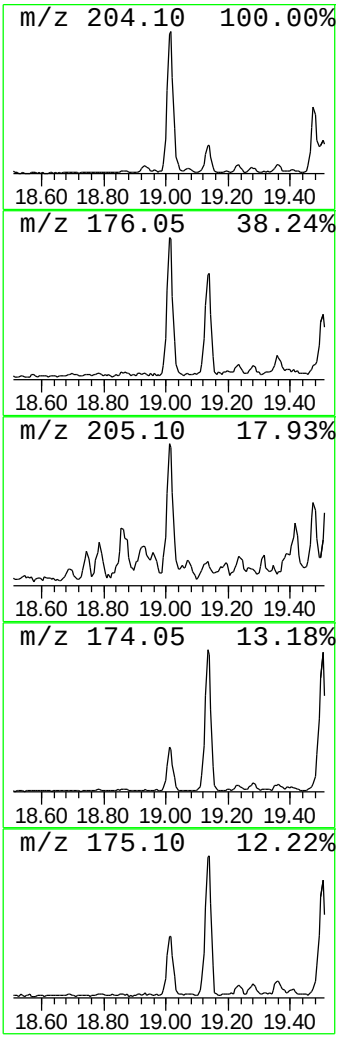
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	9.90 ng/ul	1406520	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43





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Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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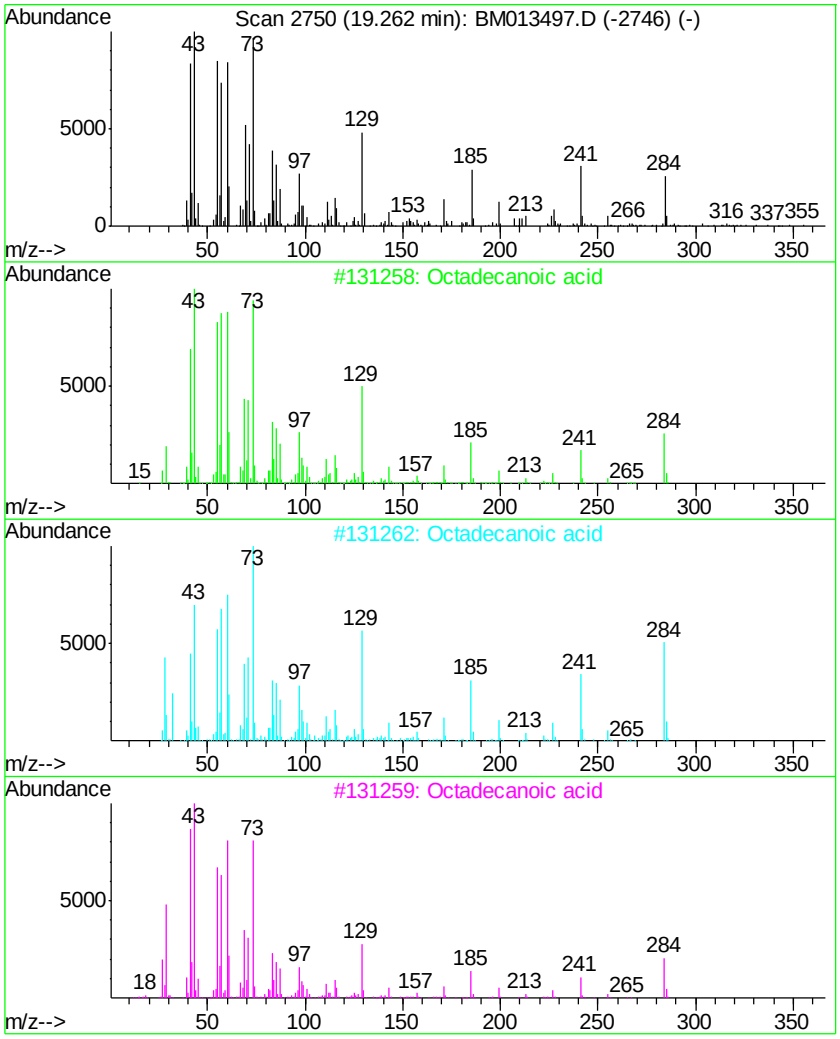
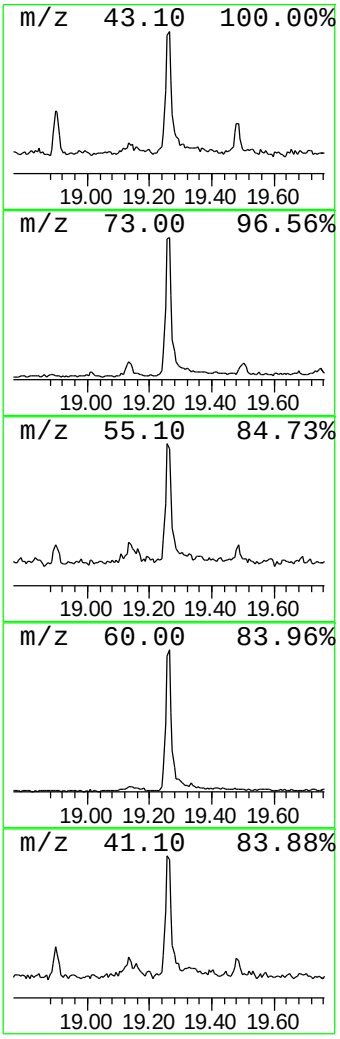
Peak Number 20 Octadecanoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	3.62 ng/ul	2123970	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	97
4	Octadecanoic acid	284	C18H36O2	000057-11-4	93
5	Octadecanoic acid	284	C18H36O2	000057-11-4	91





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Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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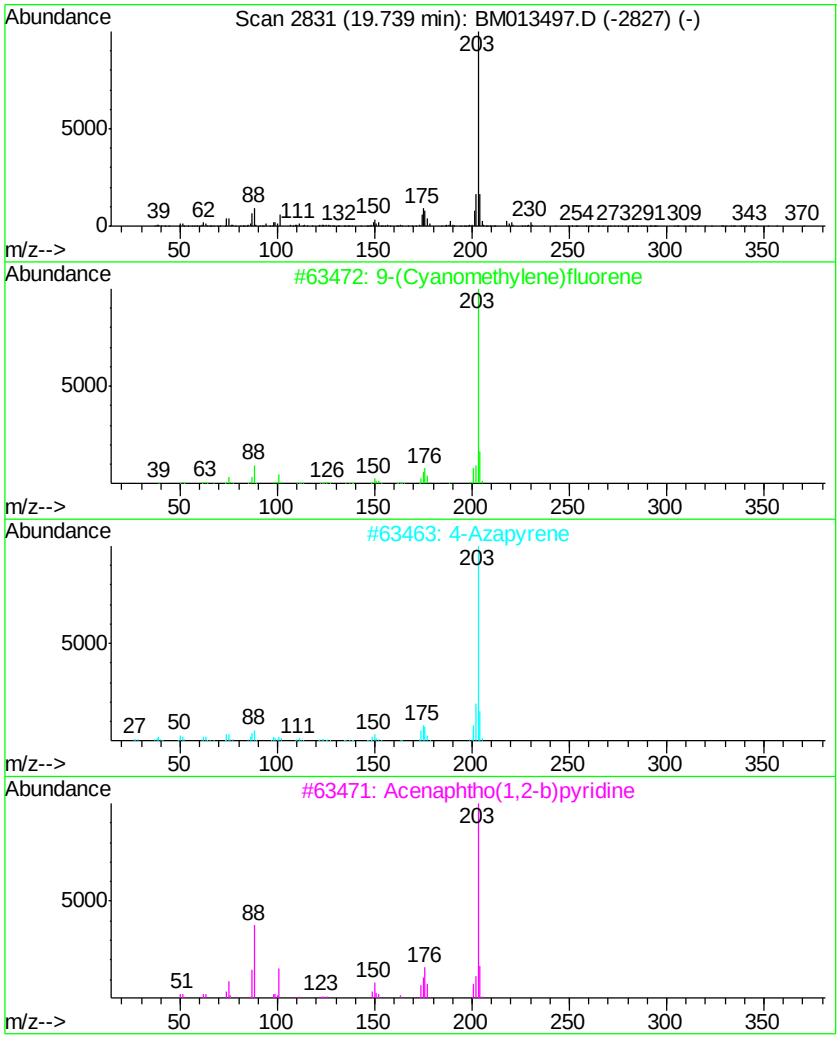
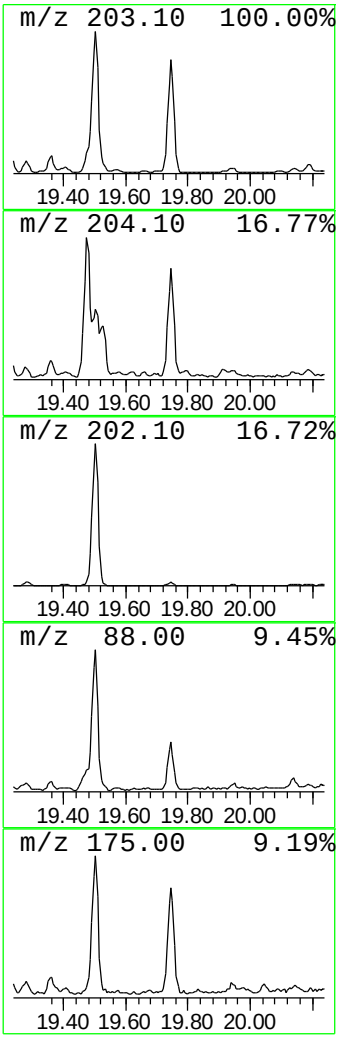
Peak Number 21 9-(Cyanomethylene)fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	4.35 ng/ul	2554350	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	97
2	4-Azapyrene	203	C15H9N	000194-03-6	97
3	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	96
4	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	95
5	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	94





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Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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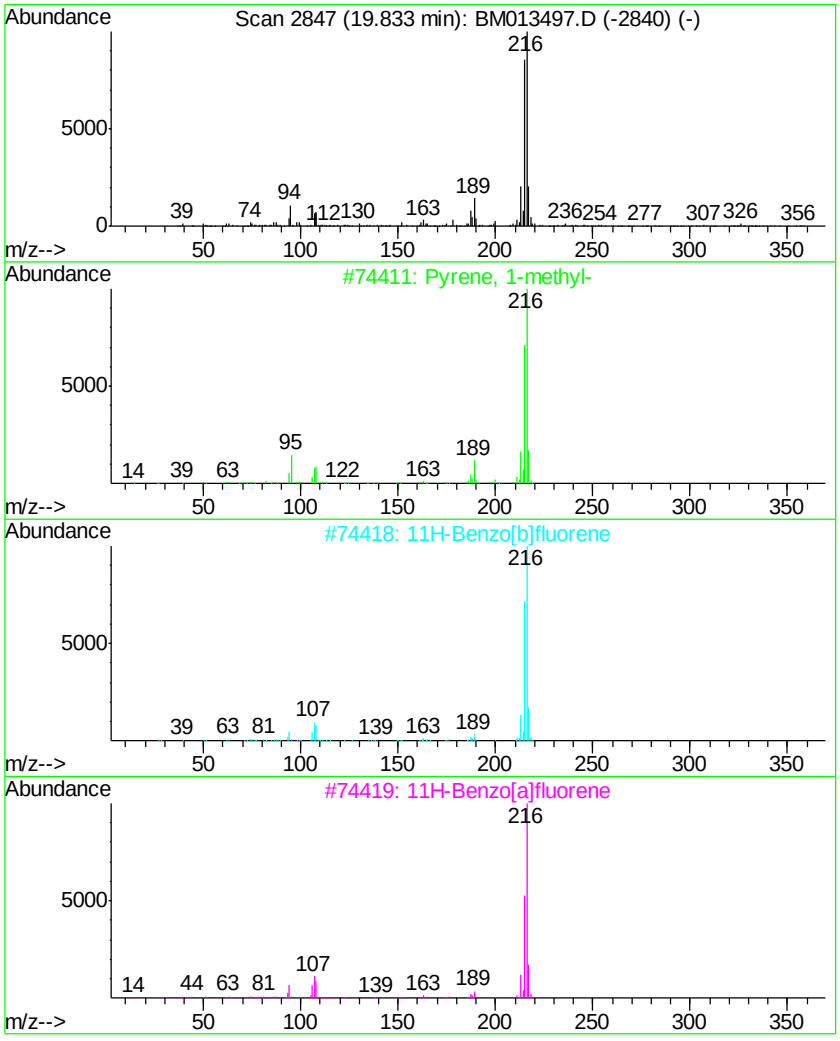
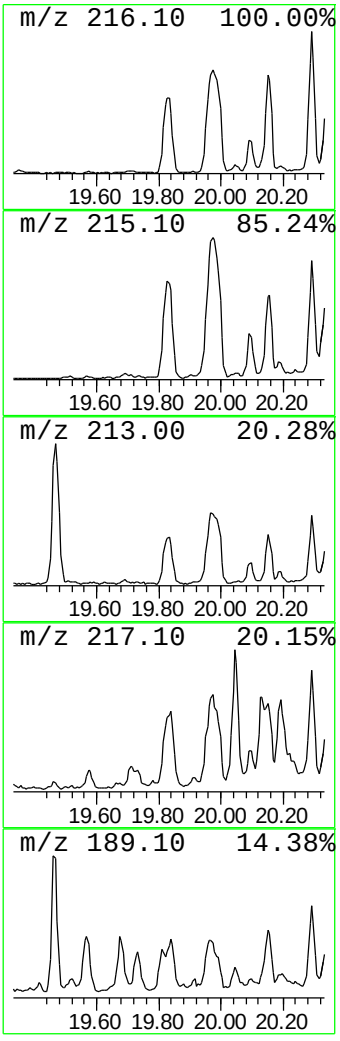
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.74 ng/ul	2195210	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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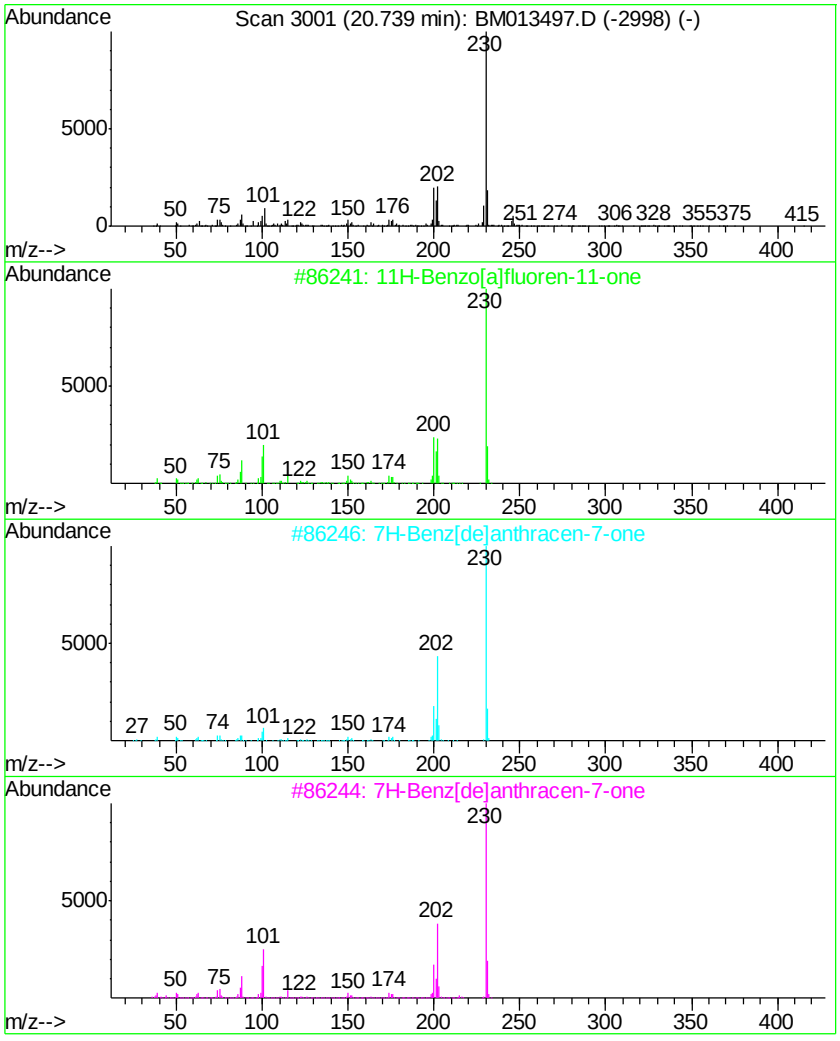
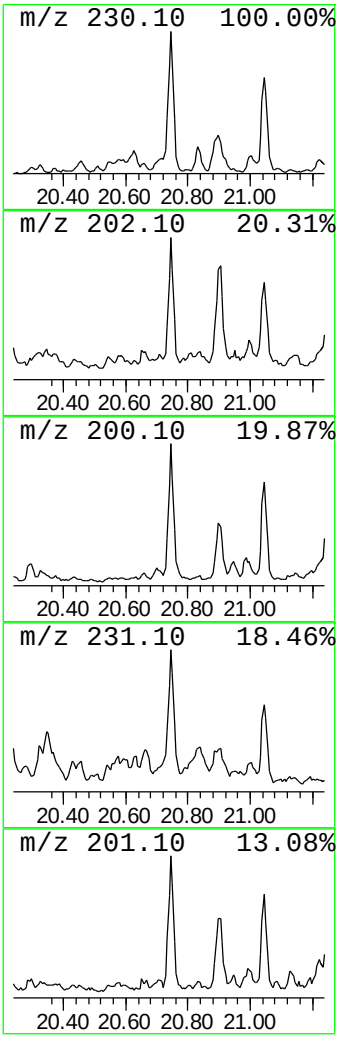
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	3.34 ng/ul	1961830	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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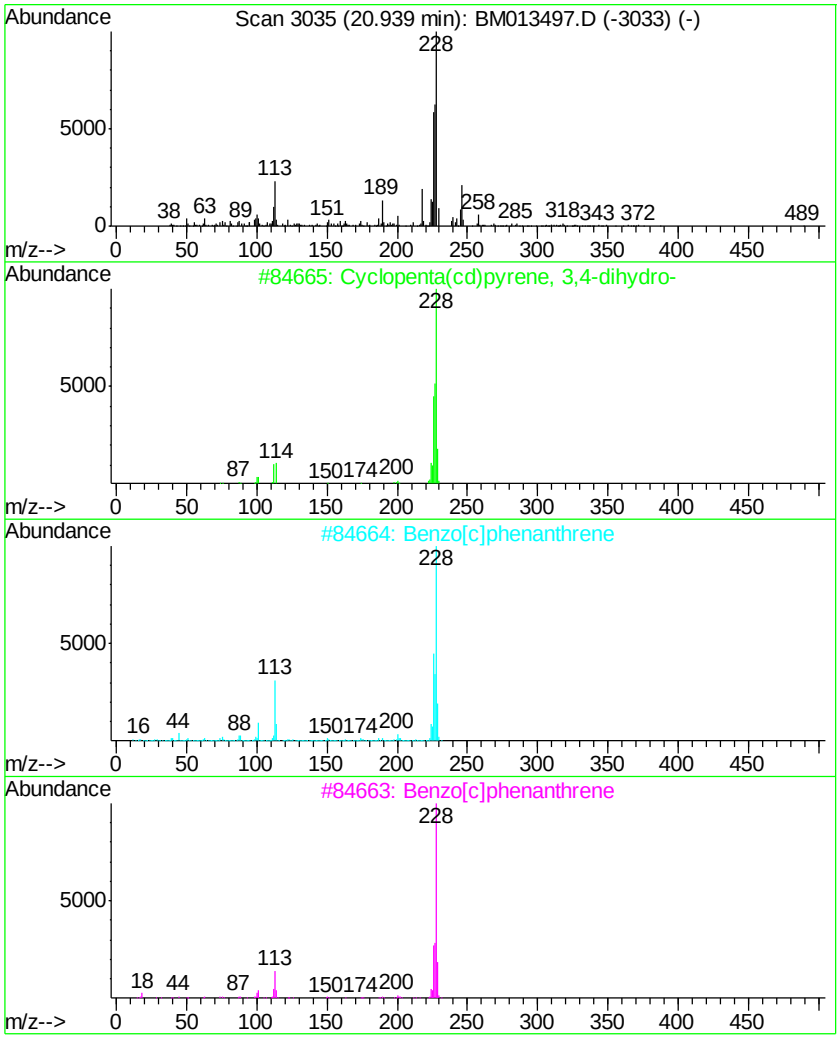
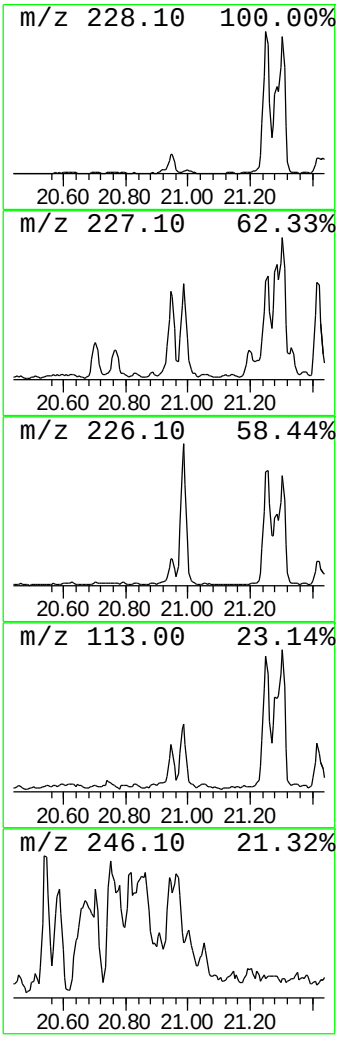
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.48 ng/ul	1458840	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Triphenylene	228	C18H12	000217-59-4	38
5	Triphenylene	228	C18H12	000217-59-4	38





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Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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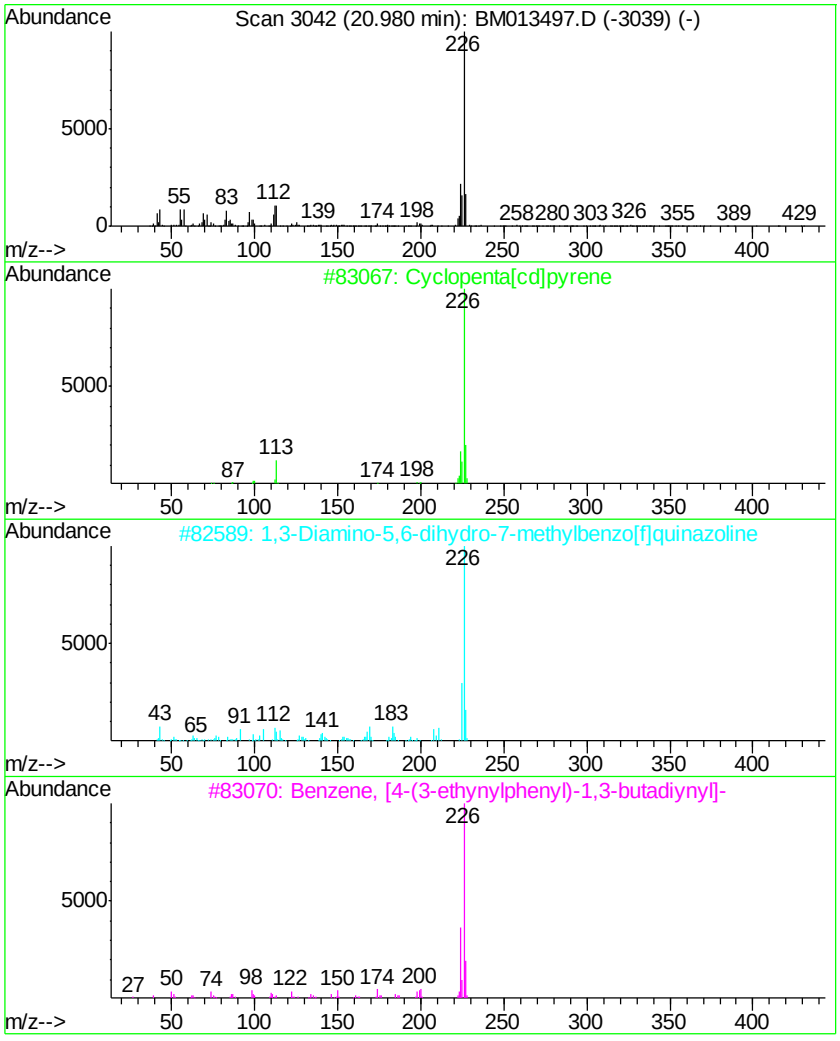
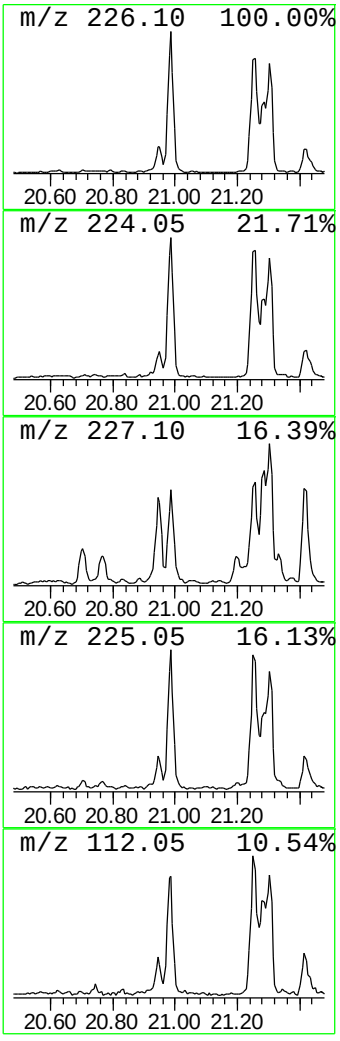
Peak Number 28 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	6.22 ng/ul	3654400	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	50
4	Ethylamine, N,N-diheptyl-2-pheny...	349	C22H39NS	1000310-32-6	43
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42





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Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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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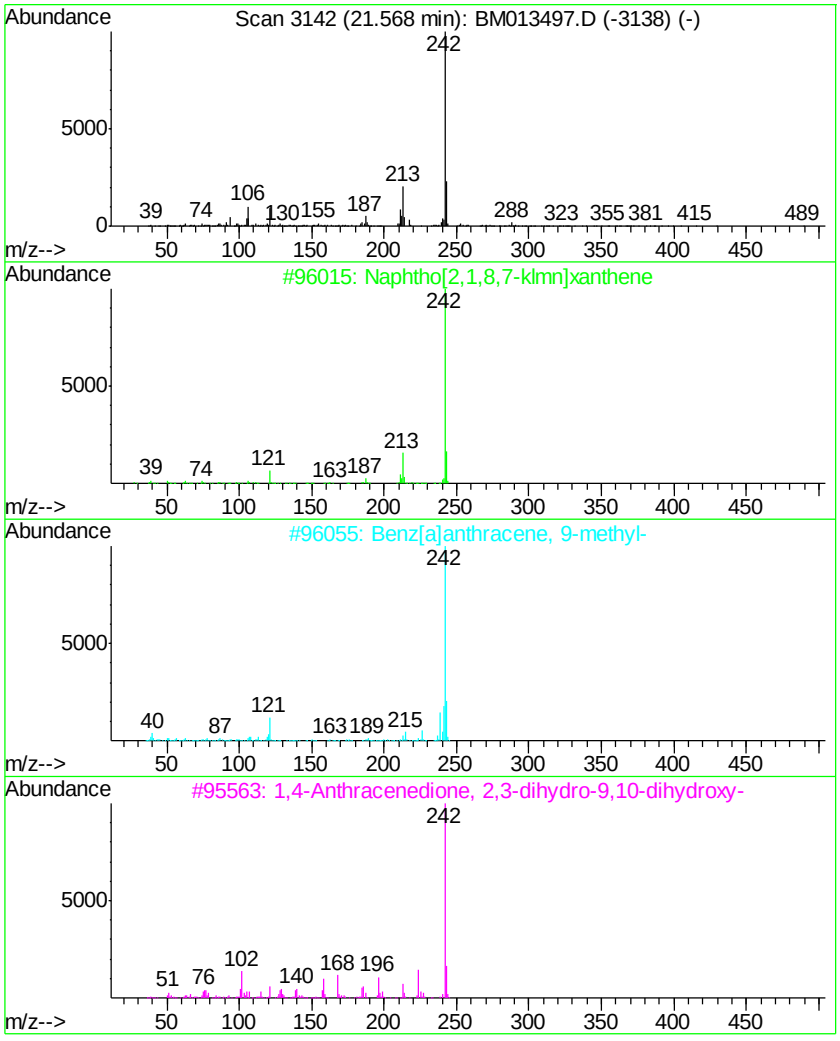
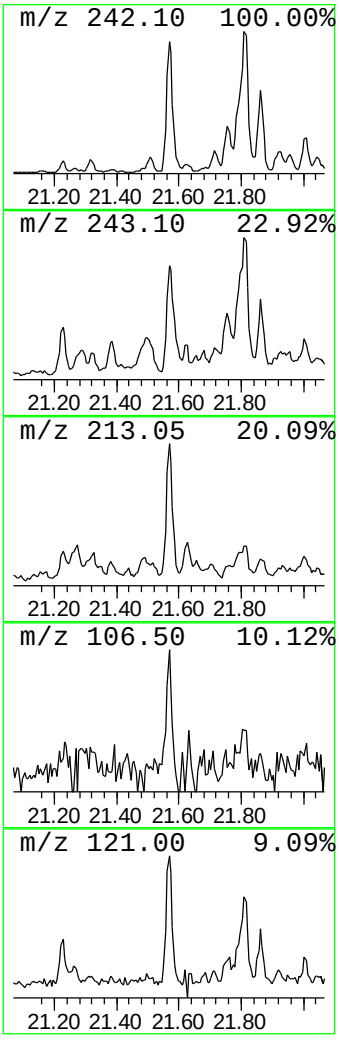
Peak Number 31 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	3.16 ng/ul	1854590	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	87
2	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	59
3	1,4-Anthracenedione, 2,3-dihydro...	242	C14H10O4	017648-03-2	59
4	Benz[a]anthracene, 5-methyl-	242	C19H14	002319-96-2	50
5	5,7-Dimethyl-2-trifluoromethyl-c...	242	C12H9F3O2	000321-42-6	50





Tentatively Identified Compound (LSC) summary

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Data File : BM013497.D
Acq On : 18 Dec 2017 14:13
Operator : SJ/JU
Sample : I6776-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A60

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, 1-propynyl-	8.20	6.1	ng/ul	431654	1	7.67	1415180	20.0
Indole	11.96	2.7	ng/ul	280003	2	10.45	2104240	20.0
Naphthalene, 1-me...	12.34	2.3	ng/ul	240319	2	10.45	2104240	20.0
1,4-Naphthalenedione	13.56	2.7	ng/ul	388295	3	14.32	2855120	20.0
(DEL) Alkane: Str...	15.17	2.8	ng/ul	399454	3	14.32	2855120	20.0
1(2H)-Acenaphthyl...	16.04	7.8	ng/ul	1101060	4	17.07	2842840	20.0
Naphtho[2,1-b]thi...	16.89	4.6	ng/ul	654590	4	17.07	2842840	20.0
Thieno[2,3-d]pyri...	17.26	2.1	ng/ul	296043	4	17.07	2842840	20.0
(DEL) Alkane: Str...	17.57	4.3	ng/ul	603752	4	17.07	2842840	20.0
Phenanthrene, 1-m...	17.94	4.1	ng/ul	580430	4	17.07	2842840	20.0
n-Hexadecanoic acid	17.98	18.7	ng/ul	2655600	4	17.07	2842840	20.0
1H-Cyclopropa[l]p...	18.07	4.1	ng/ul	583798	4	17.07	2842840	20.0
4H-Cyclopenta[def...	18.14	7.8	ng/ul	1104710	4	17.07	2842840	20.0
(DEL) Alkane: Str...	18.26	3.0	ng/ul	423482	4	17.07	2842840	20.0
9-Phenanthrenol	18.34	4.8	ng/ul	679072	4	17.07	2842840	20.0
3,4-Biphenyldicar...	18.44	2.4	ng/ul	343525	4	17.07	2842840	20.0
9,10-Anthracenedione	18.49	6.9	ng/ul	975832	4	17.07	2842840	20.0
Phenanthrene, 4,5...	18.87	2.8	ng/ul	401303	4	17.07	2842840	20.0
Cyclopenta(def)ph...	19.01	9.9	ng/ul	1406520	4	17.07	2842840	20.0
Octadecanoic acid	19.26	3.6	ng/ul	2123970	5	21.27	11747400	20.0
9-(Cyanomethylene...	19.74	4.3	ng/ul	2554350	5	21.27	11747400	20.0
Pyrene, 1-methyl-	19.83	3.7	ng/ul	2195210	5	21.27	11747400	20.0
11H-Benzo[a]fluor...	20.74	3.3	ng/ul	1961830	5	21.27	11747400	20.0
Cyclopenta(cd)pyr...	20.94	2.5	ng/ul	1458840	5	21.27	11747400	20.0
Cyclopenta[cd]pyrene	20.98	6.2	ng/ul	3654400	5	21.27	11747400	20.0
Naphtho[2,1,8,7-k...	21.57	3.2	ng/ul	1854590	5	21.27	11747400	20.0