LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010646.D
Acq On : 22 Jun 2017 05:02
Operator : SJ/JU
Sample : I3558-13ME 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C86MEDL

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-BM062017.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	7.463	771	778	785	rBV	305460	461734	18.12%	1.823%
2	7.828	834	840	846	rBV2	19469	29685	1.17%	0.117%
3	7.992	863	868	874	rVB	33697	51690	2.03%	0.204%
4	8.163	893	897	903	rBB2	22465	30851	1.21%	0.122%
5	8.604	967	972	982	rBB3	16117	28570	1.12%	0.113%
6	9.633	1139	1147	1157	rBB4	12201	27296	1.07%	0.108%
7	9.851	1179	1184	1189	rBB3	21405	33911	1.33%	0.134%
8	10.227	1241	1248	1251	rBV	441559	716008	28.10%	2.826%
9	10.275	1251	1256	1264	rVB	1519508	2447518	96.06%	9.662%
10	10.392	1265	1276	1286	rBB2	59518	127708	5.01%	0.504%
11	11.898	1525	1532	1539	rBB	577247	879699	34.53%	3.473%
12	12.121	1564	1570	1576	rVB	267457	408315	16.03%	1.612%
13	12.939	1703	1709	1714	rBB	132548	193021	7.58%	0.762%
14	13.133	1737	1742	1751	rBB	41798	66610	2.61%	0.263%
15	13.268	1759	1765	1766	rBV	67705	90759	3.56%	0.358%
16	13.427	1787	1792	1797	rBV2	110784	174522	6.85%	0.689%
17	13.480	1797	1801	1806	rVV	68025	94656	3.72%	0.374%
18	13.533	1806	1810	1814	rVB	57600	76216	2.99%	0.301%
19	13.668	1828	1833	1837	rBV2	43383	63102	2.48%	0.249%
20	13.798	1850	1855	1858	rBV	55465	81353	3.19%	0.321%
21	13.833	1858	1861	1868	rVB2	39356	52872	2.08%	0.209%
22	14.115	1901	1909	1915	rBV2	725290	1169149	45.89%	4.615%
23	14.180	1915	1920	1928	rVV	482416	695784	27.31%	2.747%
24	14.245	1928	1931	1937	rVB2	21976	27984	1.10%	0.110%
25	14.321	1940	1944	1949	rBV5	24121	41324	1.62%	0.163%
26	14.433	1958	1963	1967	rVB2	18593	28471	1.12%	0.112%
27	14.515	1970	1977	1985	rVV	439020	635928	24.96%	2.510%
28	14.598	1985	1991	1997	rVB3	22857	26550	1.04%	0.105%
29	14.745	2004	2016	2020	rBV4	15605	25898	1.02%	0.102%
30	15.115	2073	2079	2083	rBV2	82040	116132	4.56%	0.458%
31	15.168	2083	2088	2094	rBV	606068	801321	31.45%	3.163%
32	15.333	2112	2116	2120	rVB2	64334	83100	3.26%	0.328%
33	15.421	2127	2131	2135	rVB2	26335	31354	1.23%	0.124%
34	15.468	2135	2139	2147	rVB	83725	111459	4.37%	0.440%

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Sample : I3558-13ME 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C86MEDL

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-BM062017.M
Title : SVOA CALIBRATION

35	15.615	2158	2164	2172	rVB	86191	167634	6.58%	0.662%
36	15.968	2219	2224	2232	rVB4	27976	40421	1.59%	0.160%
37	16.068	2235	2241	2249	rVB4	18522	28126	1.10%	0.111%
38	16.174	2249	2259	2265	rBV3	58557	116107	4.56%	0.458%
39	16.227	2265	2268	2273	rVB4	20541	25633	1.01%	0.101%
40	16.327	2280	2285	2291	rVB3	21518	38452	1.51%	0.152%
41	16.604	2326	2332	2338	rBV3	26488	48975	1.92%	0.193%
42	16.686	2338	2346	2351	rVB	117501	174477	6.85%	0.689%
43	16.868	2367	2377	2380	rBV	1039513	1444768	56.71%	5.703%
44	16.909	2380	2384	2390	rVV	1902713	2547860	100.00%	10.058%
45	16.968	2390	2394	2396	rVV2	114018	170364	6.69%	0.673%
46	16.998	2396	2399	2405	rVV	284124	380363	14.93%	1.501%
47	17.062	2405	2410	2416	rVB3	18167	28443	1.12%	0.112%
48	17.274	2441	2446	2451	rBV	189437	242750	9.53%	0.958%
49	17.439	2471	2474	2483	rVB6	10213	26217	1.03%	0.103%
50	17.745	2519	2526	2530	rBV	118530	154138	6.05%	0.608%
51	17.792	2530	2534	2541	rVB	191764	253647	9.96%	1.001%
52	17.874	2541	2548	2553	rBV	67575	104405	4.10%	0.412%
53	17.939	2553	2559	2563	rBV2	209221	336422	13.20%	1.328%
54	17.974	2563	2565	2571	rVB	58770	65589	2.57%	0.259%
55	18.256	2608	2613	2617	rBV	79828	108292	4.25%	0.427%
56	18.674	2679	2684	2691	rBV4	36615	77792	3.05%	0.307%
57	18.739	2691	2695	2699	rBV6	26121	40647	1.60%	0.160%
58	18.939	2723	2729	2735	rBV	1159783	1484385	58.26%	5.860%
59	19.186	2767	2771	2776	rVB	28825	36953	1.45%	0.146%
60	19.280	2782	2787	2788	rBV	297058	404578	15.88%	1.597%
61	19.303	2788	2791	2795	rVV	697945	918369	36.04%	3.625%
62	19.333	2795	2796	2800	rVV	50207	50745	1.99%	0.200%
63	19.380	2800	2804	2812	rVB2	44089	67742	2.66%	0.267%
64	19.486	2819	2822	2826	rBV	47376	58394	2.29%	0.231%
65	19.633	2842	2847	2848	rBV2	35185	50702	1.99%	0.200%
66	19.692	2853	2857	2861	rVB	29027	35328	1.39%	0.139%
67	19.744	2861	2866	2868	rBV2	20524	32017	1.26%	0.126%
68	19.809	2873	2877	2884	rVB	149091	198644	7.80%	0.784%
69	19.909	2889	2894	2898	rBV	180094	228276	8.96%	0.901%
70	19.968	2898	2904	2907	rVV2	54382	91058	3.57%	0.359%
71	20.150	2931	2935	2940	rBV4	24411	31667	1.24%	0.125%

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72	20.344	2964	2968	2973	rBV3	25614	36833	1.45%	0.145%
73	20.409	2973	2979	2982	rBV7	17081	28538	1.12%	0.113%
74	20.521	2993	2998	3003	rBV5	27348	48184	1.89%	0.190%
75	20.727	3029	3033	3036	rBV	51248	64640	2.54%	0.255%
76	20.768	3036	3040	3043	rVV	45334	57282	2.25%	0.226%
77	20.815	3043	3048	3051	rVB3	30401	62767	2.46%	0.248%
78	20.962	3068	3073	3077	rBV5	18913	31056	1.22%	0.123%
79	21.080	3086	3093	3097	rBV2	1572390	2276049	89.33%	8.985%
80	21.115	3097	3099	3108	rVB	200975	264902	10.40%	1.046%
81	21.233	3115	3119	3124	rBV2	47319	67134	2.63%	0.265%
82	21.344	3135	3138	3141	rVB2	24212	27893	1.09%	0.110%
83	21.391	3142	3146	3151	rBV2	35908	57818	2.27%	0.228%
84	21.833	3219	3221	3226	rVB4	26262	33833	1.33%	0.134%
85	22.585	3345	3349	3360	rVB2	86881	277087	10.88%	1.094%
86	23.033	3423	3425	3429	rVV2	26392	30200	1.19%	0.119%
87	23.085	3430	3434	3438	rVV2	59543	109940	4.31%	0.434%
88	23.138	3438	3443	3449	rVB3	61623	146342	5.74%	0.578%
89	23.221	3450	3457	3469	rVB2	829255	1470955	57.73%	5.807%

Sum of corrected areas: 25332383

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ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
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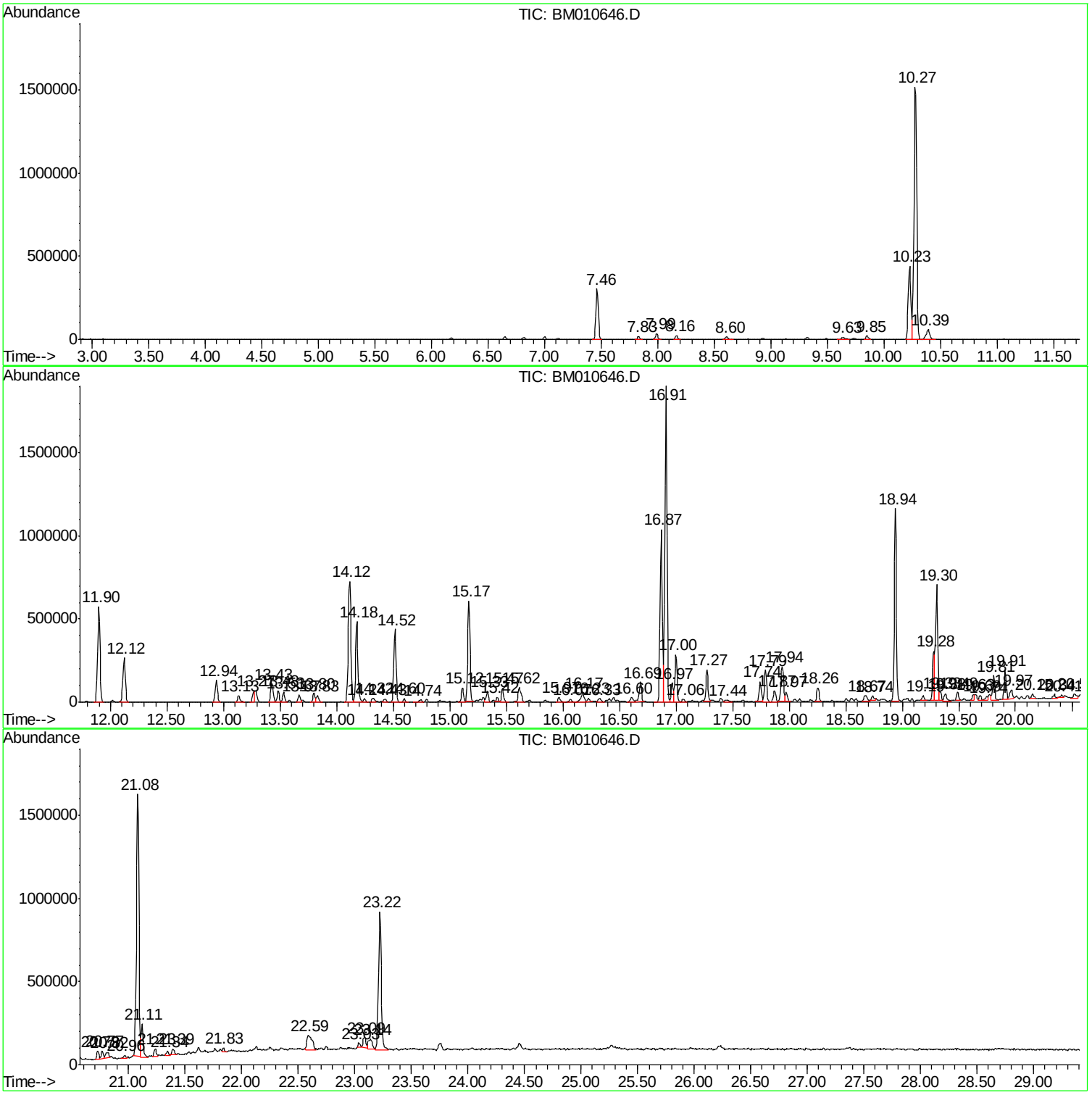
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
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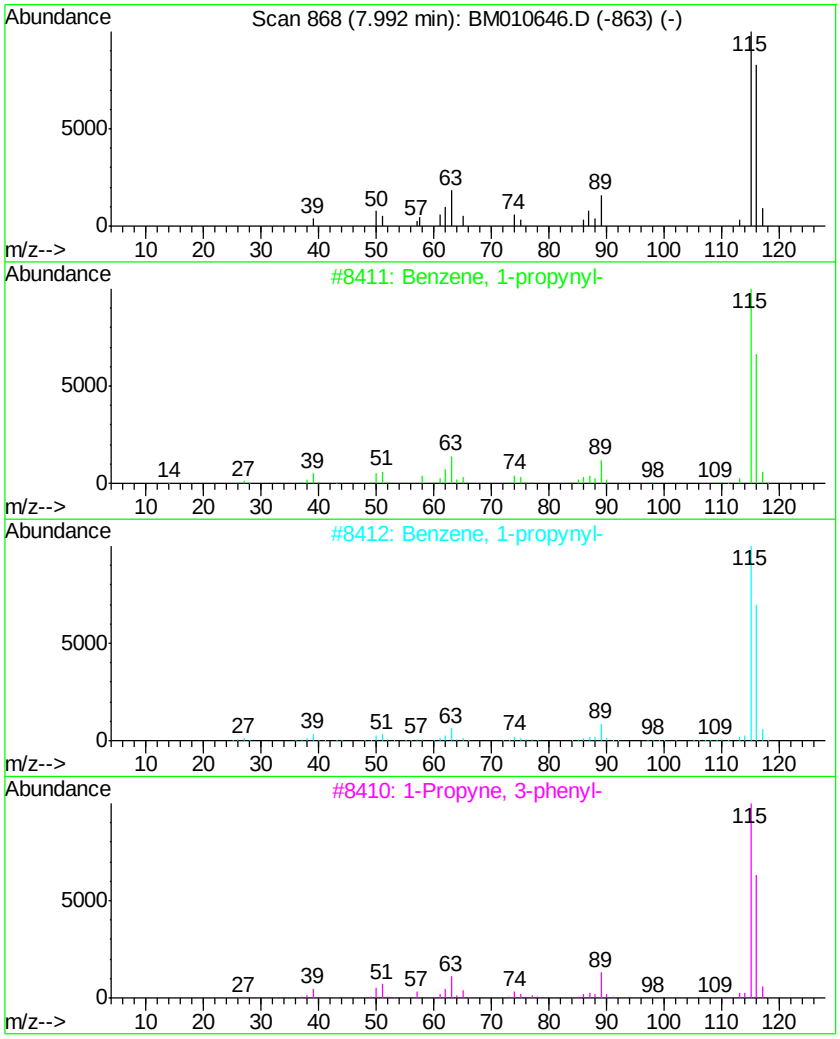
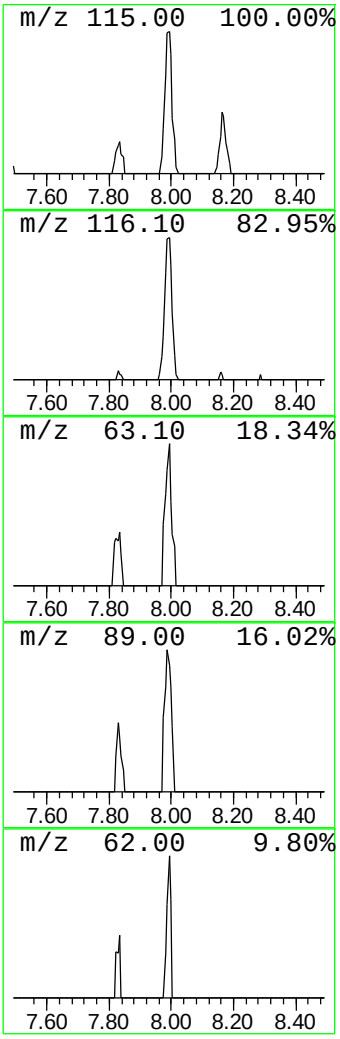
****

Peak Number 1 Benzene, 1-propynyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	2.24 ng/ul	51690	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	90
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C86MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

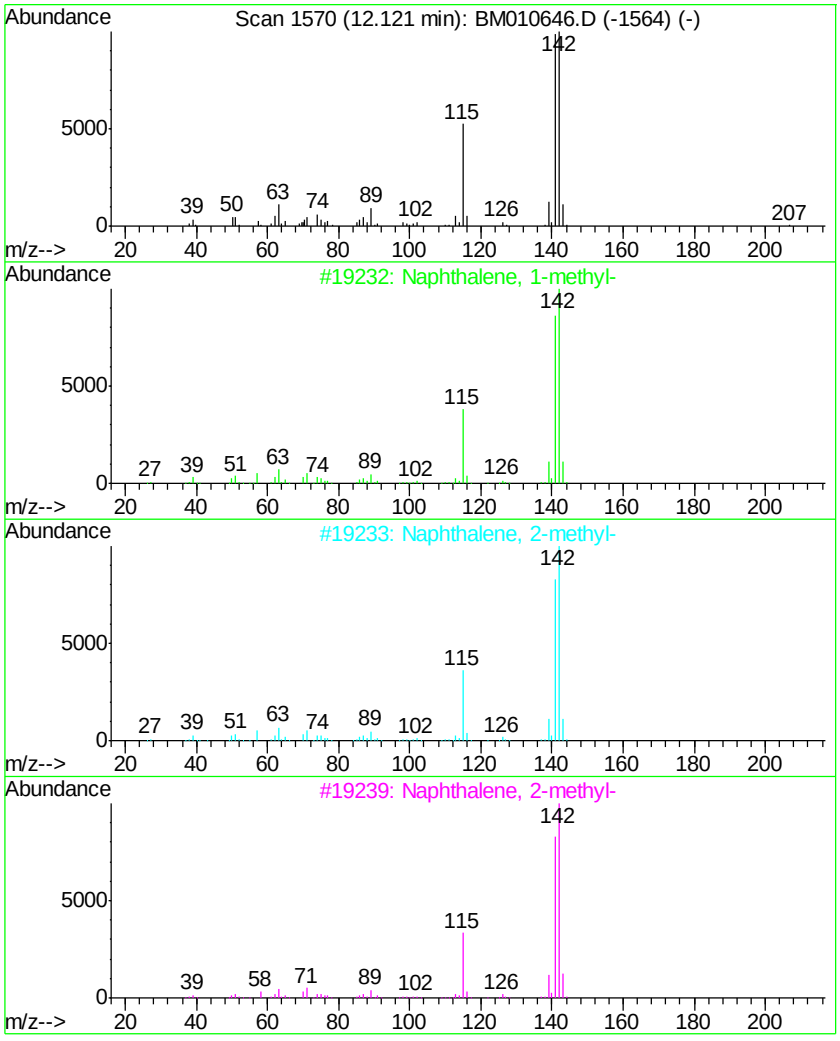
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

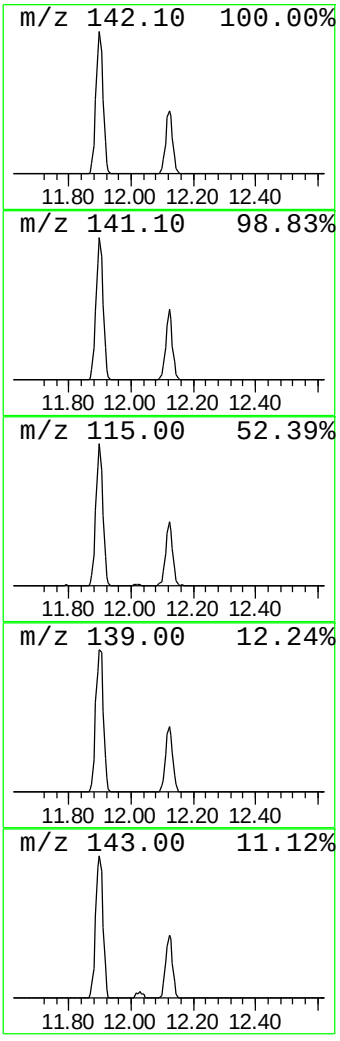
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	11.41 ng/ul	408315	Naphthalene-d8	10.23

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	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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Instrument : BNA_M
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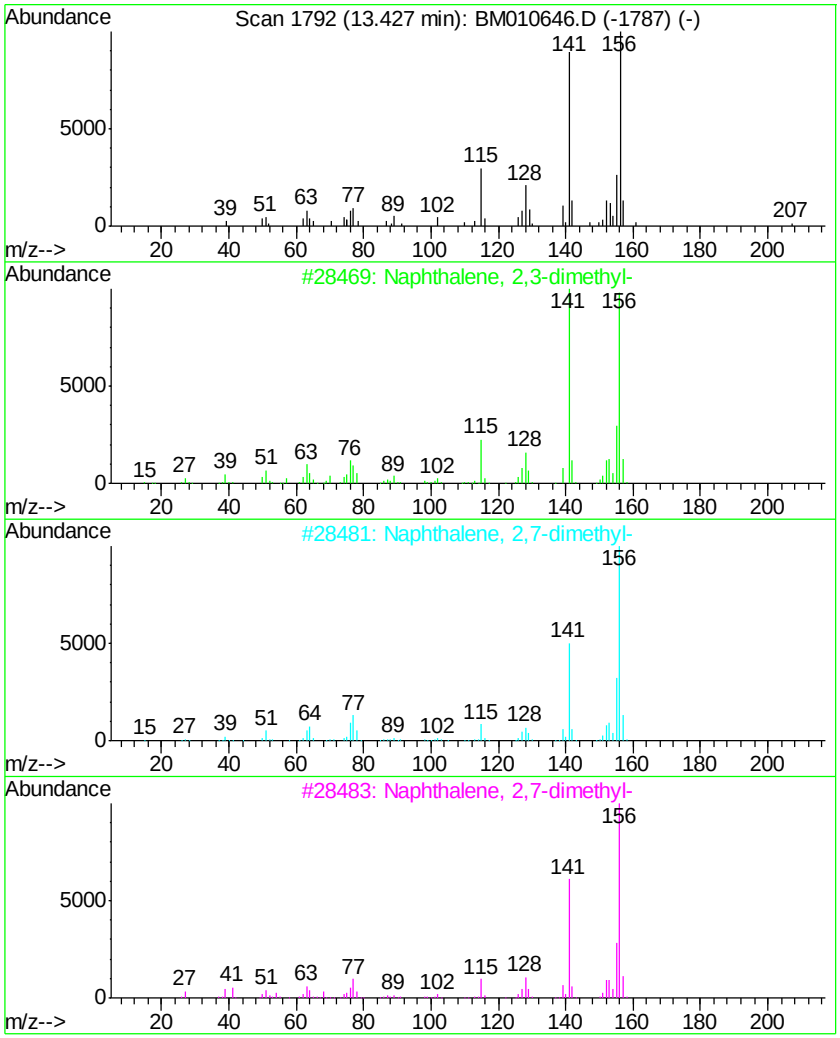
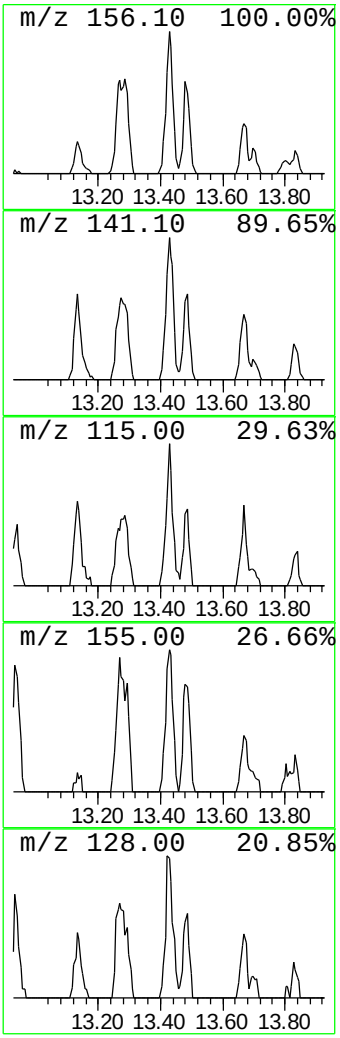
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	2.99 ng/ul	174522	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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Quant Title : SVOA CALIBRATION

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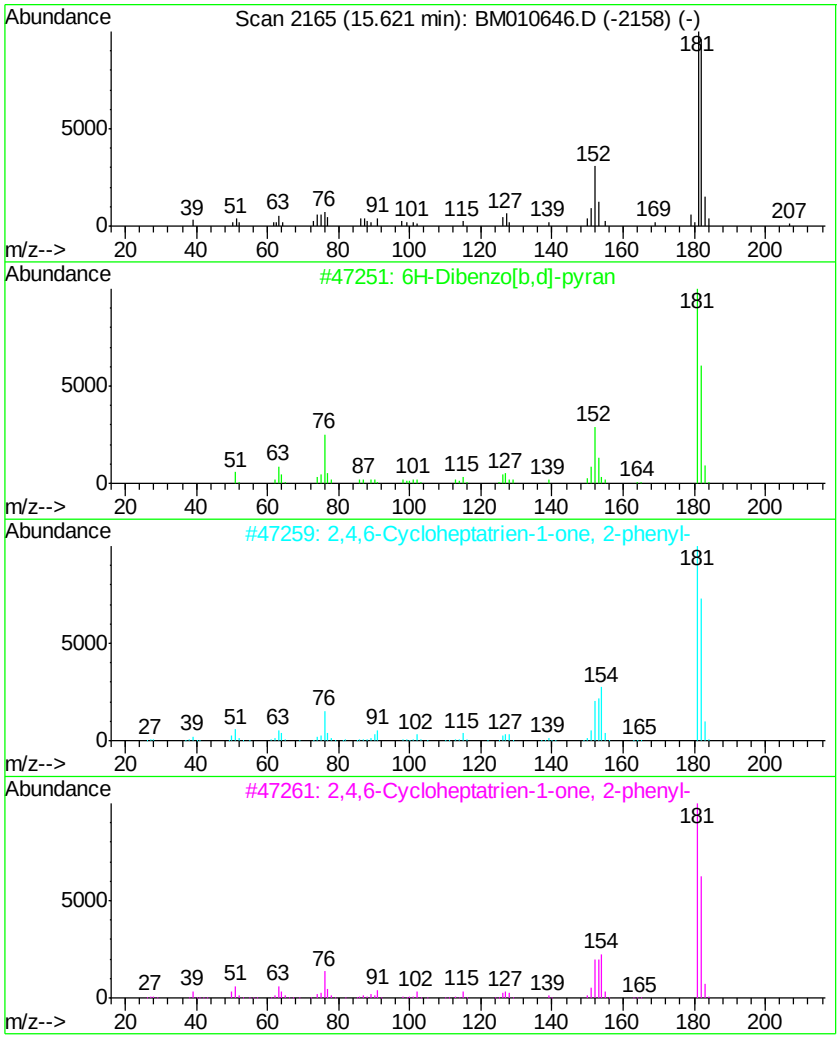
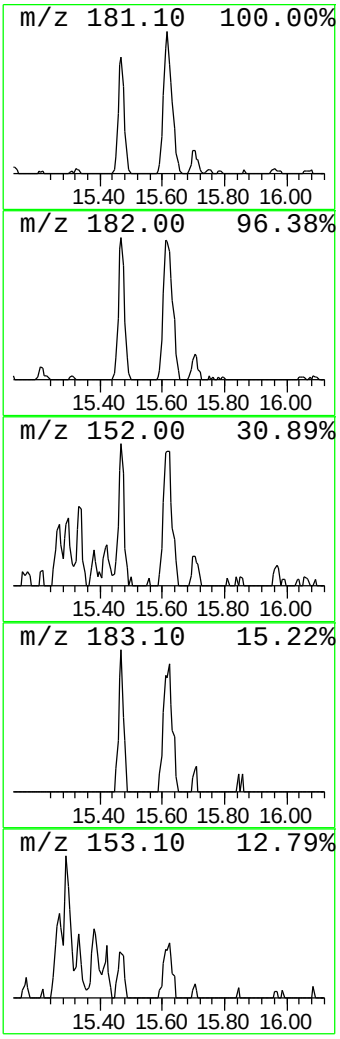
Peak Number 4 6H-Dibenzo[b,d]-pyran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	2.32 ng/ul	167634	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	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	86
5	9H-Xanthene	182	C13H10O	000092-83-1	83





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

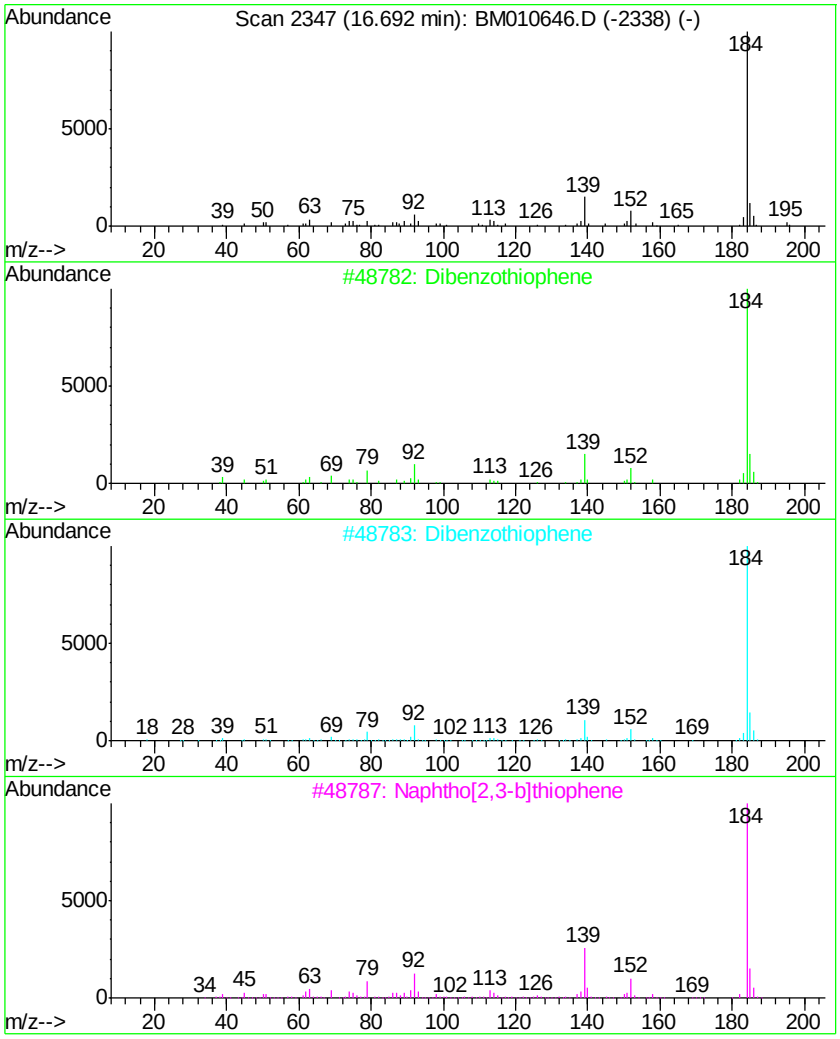
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

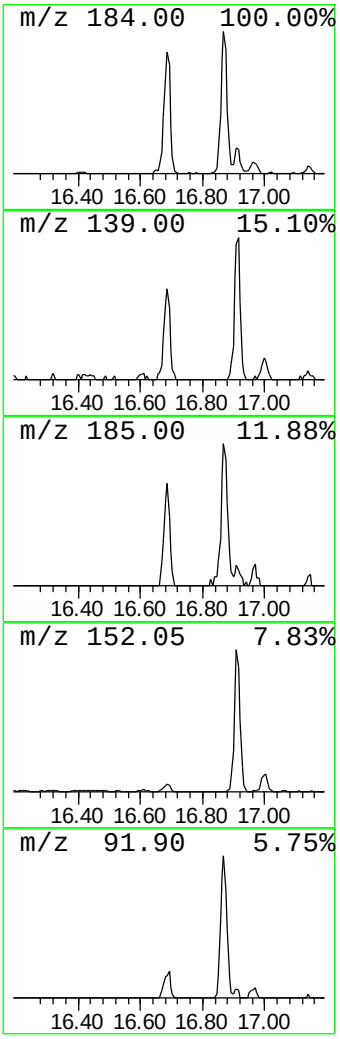
****

Peak Number 5 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.42 ng/ul	174477	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91





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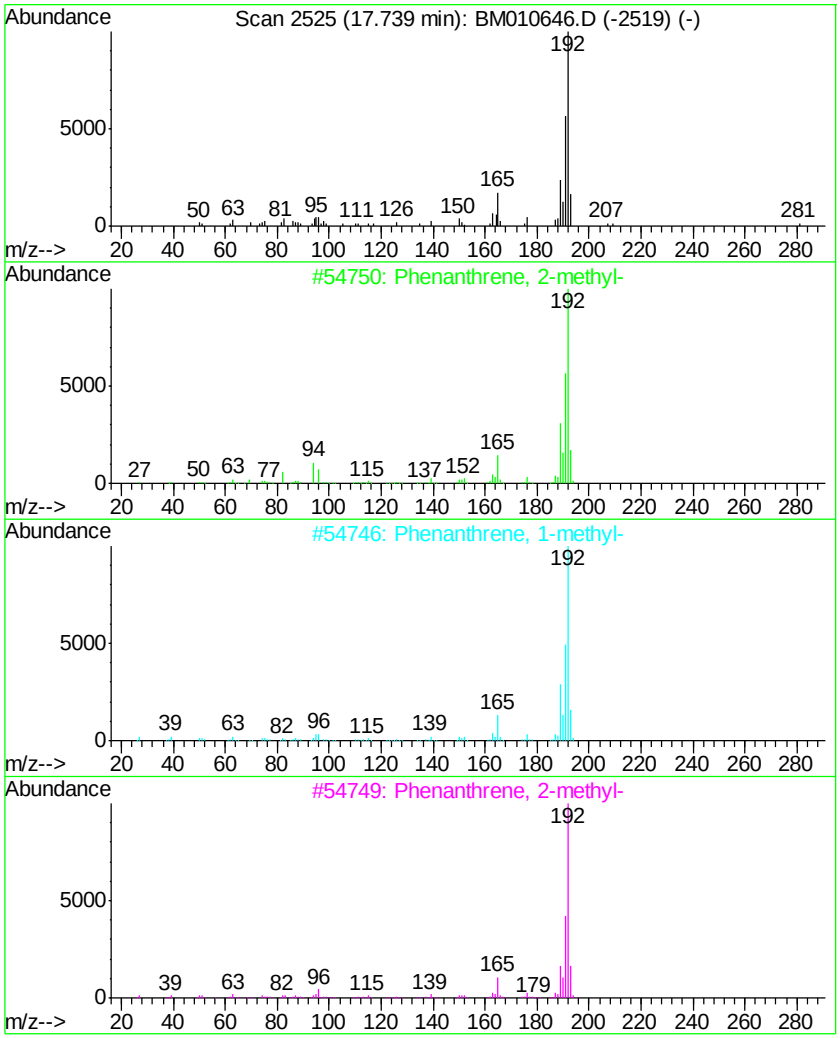
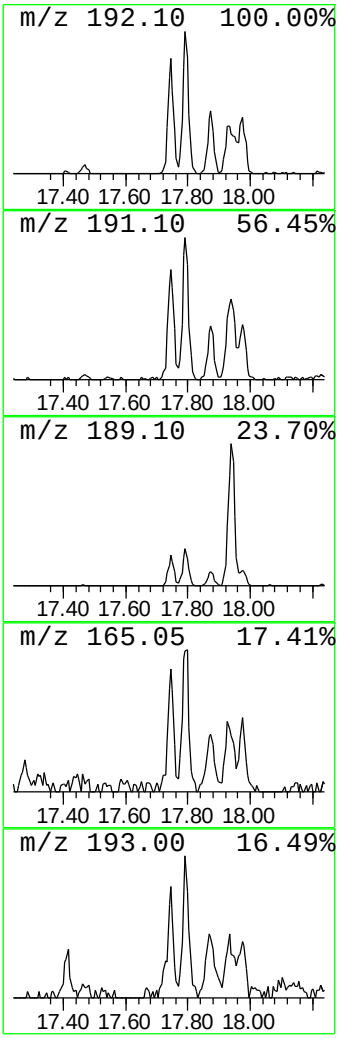
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.13 ng/ul	154138	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Data File : BM010646.D
Acq On : 22 Jun 2017 05:02
Operator : SJ/JU
Sample : I3558-13ME 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C86MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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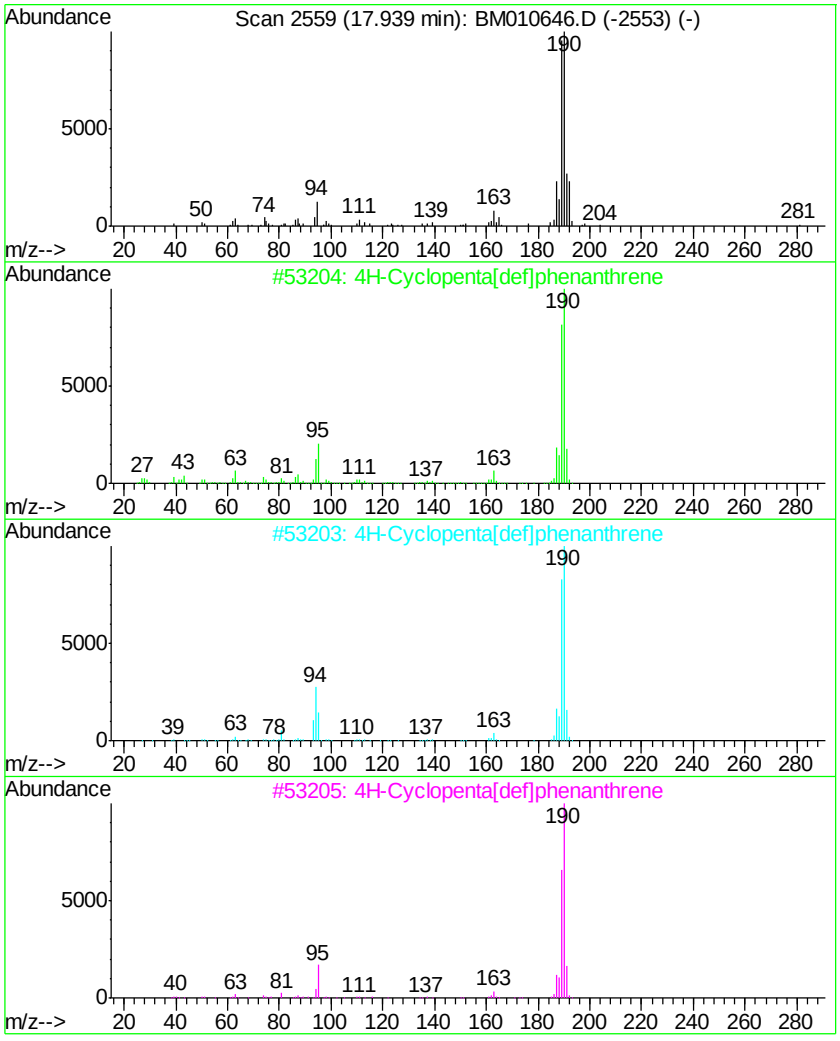
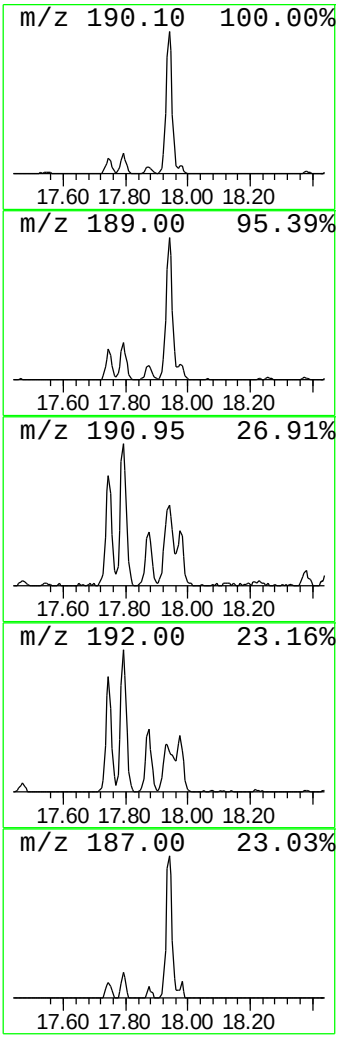
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.66 ng/ul	336422	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010646.D
Acq On : 22 Jun 2017 05:02
Operator : SJ/JU
Sample : I3558-13ME 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C86MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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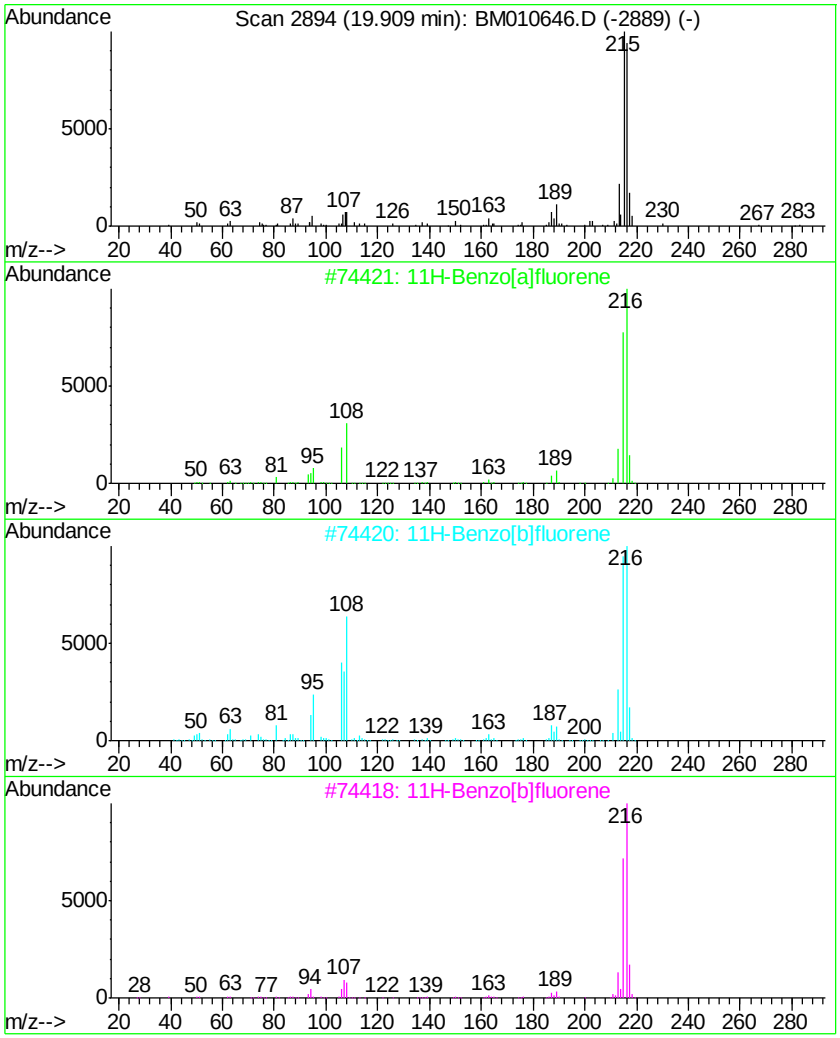
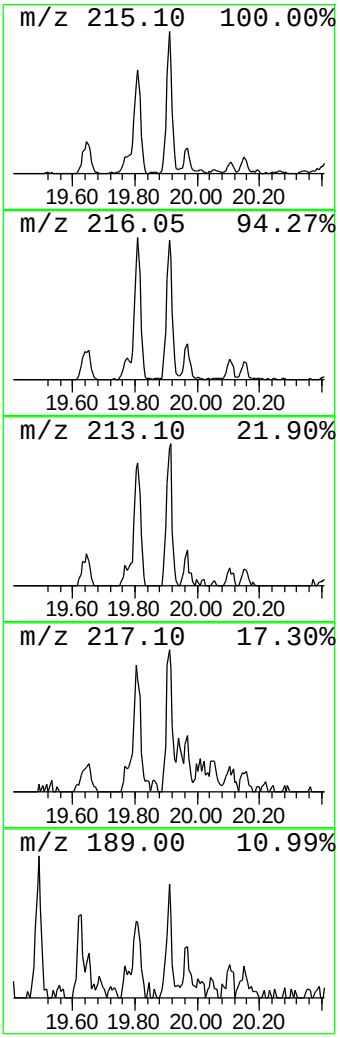
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.01 ng/ul	228276	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010646.D
Acq On : 22 Jun 2017 05:02
Operator : SJ/JU
Sample : I3558-13ME 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C86MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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-	7.99	2.2	ng/ul	51690	1	7.46	461734	20.0
Naphthalene, 1-me...	12.12	11.4	ng/ul	408315	2	10.23	716008	20.0
Naphthalene, 2,3-...	13.43	3.0	ng/ul	174522	3	14.12	1169150	20.0
6H-Dibenzo[b,d]-p...	15.62	2.3	ng/ul	167634	4	16.87	1444770	20.0
Dibenzothiophene	16.69	2.4	ng/ul	174477	4	16.87	1444770	20.0
Phenanthrene, 2-m...	17.74	2.1	ng/ul	154138	4	16.87	1444770	20.0
4H-Cyclopenta[def...	17.94	4.7	ng/ul	336422	4	16.87	1444770	20.0
11H-Benzo[a]fluorene	19.91	2.0	ng/ul	228276	5	21.08	2276050	20.0