LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

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\SOM02.2-EPA-BM071416.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	2.840	39	43	53	rBV	73602	92249	2.38%	0.151%
2	3.646	175	180	186	rVB	75855	97616	2.51%	0.160%
3	6.793	704	715	728	rBV	550591	918996	23.67%	1.507%
4	6.957	736	743	751	rBV	405081	658501	16.96%	1.080%
5	7.151	769	776	788	rBV	535570	895765	23.07%	1.469%
6	7.616	845	855	864	rBV	586714	969662	24.97%	1.590%
7	8.322	969	975	991	rVB	628137	1076398	27.72%	1.765%
8	8.769	1044	1051	1060	rBV	525771	895020	23.05%	1.468%
9	9.487	1166	1173	1185	rBV	428394	763329	19.66%	1.252%
10	10.022	1258	1264	1279	rVB	616254	1111098	28.61%	1.822%
11	10.392	1314	1327	1333	rBV	804806	1404146	36.16%	2.302%
12	10.534	1343	1351	1364	rBV	456910	917817	23.64%	1.505%
13	11.422	1496	1502	1509	rBV4	24263	56863	1.46%	0.093%
14	12.286	1643	1649	1659	rBV	80616	139402	3.59%	0.229%
15	13.286	1815	1819	1831	rVB	52186	144647	3.73%	0.237%
16	13.439	1836	1845	1851	rBV3	65306	166354	4.28%	0.273%
17	13.580	1863	1869	1875	rBV	144643	270584	6.97%	0.444%
18	13.639	1875	1879	1880	rVV	46165	66636	1.72%	0.109%
19	13.680	1880	1886	1890	rVV	1123030	1724839	44.42%	2.828%
20	13.722	1890	1893	1902	rVV	524088	877857	22.61%	1.439%
21	13.822	1906	1910	1913	rVV	75012	113112	2.91%	0.185%
22	13.957	1926	1933	1944	rBV	1327947	2285890	58.87%	3.748%
23	14.269	1976	1986	1992	rVV2	1094915	1835547	47.27%	3.010%
24	14.327	1992	1996	2004	rVB	143451	249608	6.43%	0.409%
25	14.480	2015	2022	2032	rBV2	501954	956614	24.64%	1.569%
26	14.669	2047	2054	2062	rVV4	93290	230277	5.93%	0.378%
27	14.745	2062	2067	2072	rVB	78455	118584	3.05%	0.194%
28	14.798	2072	2076	2082	rVB5	41452	71489	1.84%	0.117%
29	14.886	2084	2091	2096	rBV5	67815	154922	3.99%	0.254%
30	14.939	2096	2100	2104	rVB2	46551	60533	1.56%	0.099%
31	15.063	2113	2121	2123	rBV5	59800	137701	3.55%	0.226%
32	15.139	2129	2134	2138	rVB2	53048	77494	2.00%	0.127%
33	15.263	2141	2155	2161	rBV	1723469	2720708	70.07%	4.461%
34	15.316	2161	2164	2173	rVB	128190	204823	5.27%	0.336%

LSC Area Percent Report

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Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

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\SOM02.2-EPA-BM071416.M
Title : SVOA CALIBRATION

35	15.398	2173	2178	2183	rBV	443104	639668	16.47%	1.049%
36	15.533	2197	2201	2205	rVB3	83336	122815	3.16%	0.201%
37	15.616	2211	2215	2224	rVB6	43722	104654	2.70%	0.172%
38	15.733	2231	2235	2239	rBV2	54432	100039	2.58%	0.164%
39	16.004	2275	2281	2286	rBV3	99113	239687	6.17%	0.393%
40	16.327	2328	2336	2340	rBV3	105955	255840	6.59%	0.420%
41	16.374	2340	2344	2350	rVB3	96720	157829	4.06%	0.259%
42	16.474	2357	2361	2367	rVB2	69424	109019	2.81%	0.179%
43	16.592	2379	2381	2386	rVB5	46870	53999	1.39%	0.089%
44	16.680	2392	2396	2403	rVB3	56919	94030	2.42%	0.154%
45	16.751	2405	2408	2411	rVV5	28833	49410	1.27%	0.081%
46	16.780	2411	2413	2417	rVV4	52480	74765	1.93%	0.123%
47	16.833	2417	2422	2431	rVB2	148305	250420	6.45%	0.411%
48	17.015	2447	2453	2457	rBV	1405945	2132825	54.93%	3.497%
49	17.057	2457	2460	2465	rVV	892138	1226974	31.60%	2.012%
50	17.115	2465	2470	2474	rVV	1884899	2858443	73.61%	4.687%
51	17.145	2474	2475	2481	rVB	401188	411992	10.61%	0.676%
52	17.210	2481	2486	2491	rBV4	74654	138809	3.57%	0.228%
53	17.433	2519	2524	2531	rBV4	60053	144091	3.71%	0.236%
54	17.598	2548	2552	2556	rVB	84028	111851	2.88%	0.183%
55	17.733	2571	2575	2582	rVB2	58172	120746	3.11%	0.198%
56	17.892	2597	2602	2606	rBV	274824	403880	10.40%	0.662%
57	17.939	2606	2610	2615	rVB	322421	475854	12.25%	0.780%
58	18.021	2619	2624	2629	rBV	198819	296343	7.63%	0.486%
59	18.086	2629	2635	2639	rVV2	480159	984387	25.35%	1.614%
60	18.121	2639	2641	2647	rVB	276544	340018	8.76%	0.558%
61	18.398	2684	2688	2694	rVB	166455	223181	5.75%	0.366%
62	18.615	2721	2725	2727	rBV3	53252	80853	2.08%	0.133%
63	18.645	2727	2730	2733	rVV	77002	91534	2.36%	0.150%
64	18.692	2736	2738	2742	rVB	67392	78554	2.02%	0.129%
65	18.815	2754	2759	2764	rBV2	308445	531266	13.68%	0.871%
66	18.880	2765	2770	2773	rVV3	149994	265579	6.84%	0.435%
67	18.957	2779	2783	2784	rBV	84096	106505	2.74%	0.175%
68	19.080	2799	2804	2810	rVB	963973	1278584	32.93%	2.097%
69	19.145	2811	2815	2819	rVB3	119737	172147	4.43%	0.282%
70	19.180	2819	2821	2825	rVB2	56643	70386	1.81%	0.115%
71	19.233	2826	2830	2835	rBV	277635	360343	9.28%	0.591%

LSC Area Percent Report

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Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

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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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Title : SVOA CALIBRATION

72	19.357	2848	2851	2856	rVB3	108844	145307	3.74%	0.238%
73	19.421	2856	2862	2865	rBV	2346426	3776691	97.26%	6.193%
74	19.445	2865	2866	2875	rVV	1141228	1250117	32.19%	2.050%
75	19.527	2876	2880	2886	rVB2	107794	165773	4.27%	0.272%
76	19.774	2918	2922	2932	rVB3	182012	406958	10.48%	0.667%
77	19.915	2941	2946	2947	rBV2	151699	213075	5.49%	0.349%
78	19.945	2948	2951	2959	rVB	436042	572116	14.73%	0.938%
79	20.015	2960	2963	2964	rBV2	64926	61823	1.59%	0.101%
80	20.045	2964	2968	2973	rVV	329726	431879	11.12%	0.708%
81	20.104	2974	2978	2982	rVB	223569	283562	7.30%	0.465%
82	20.203	2991	2995	2998	rBV	134609	189951	4.89%	0.311%
83	20.245	2998	3002	3006	rVV	217606	328048	8.45%	0.538%
84	20.292	3006	3010	3024	rVB	254077	493604	12.71%	0.809%
85	20.862	3104	3107	3110	rBV	121149	135339	3.49%	0.222%
86	20.903	3110	3114	3117	rBV	118892	137257	3.53%	0.225%
87	20.939	3117	3120	3124	rBV2	134470	196707	5.07%	0.323%
88	21.215	3160	3167	3171	rBV2	2295327	3883029	100.00%	6.367%
89	21.250	3171	3173	3180	rVB	702714	903882	23.28%	1.482%
90	21.374	3190	3194	3199	rBV2	115617	218293	5.62%	0.358%
91	21.762	3257	3260	3265	rVB	226550	288532	7.43%	0.473%
92	21.809	3266	3268	3274	rVB	172640	187441	4.83%	0.307%
93	21.956	3289	3293	3295	rBV	141816	200990	5.18%	0.330%
94	22.756	3424	3429	3434	rBV2	370819	855058	22.02%	1.402%
95	22.927	3454	3458	3466	rVB	178435	315780	8.13%	0.518%
96	23.227	3504	3509	3512	rBV	287160	519070	13.37%	0.851%
97	23.274	3512	3517	3522	rVV2	1755434	3384546	87.16%	5.550%
98	23.315	3522	3524	3533	rVB	550859	821935	21.17%	1.348%
99	23.415	3535	3541	3547	rBV	1338091	2381151	61.32%	3.904%
100	25.603	3907	3913	3924	rVB	220197	615095	15.84%	1.009%

Sum of corrected areas: 60985410

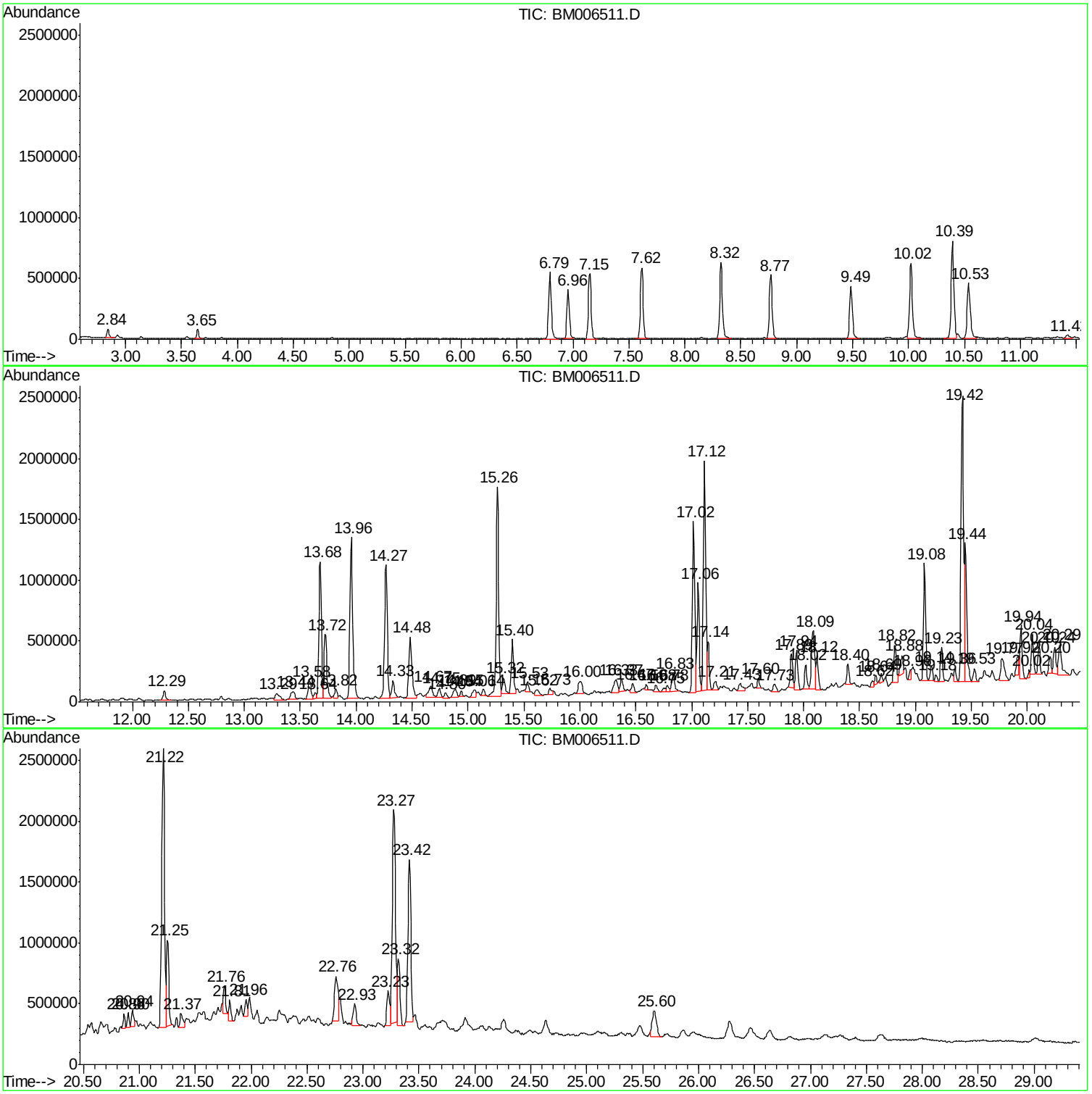
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

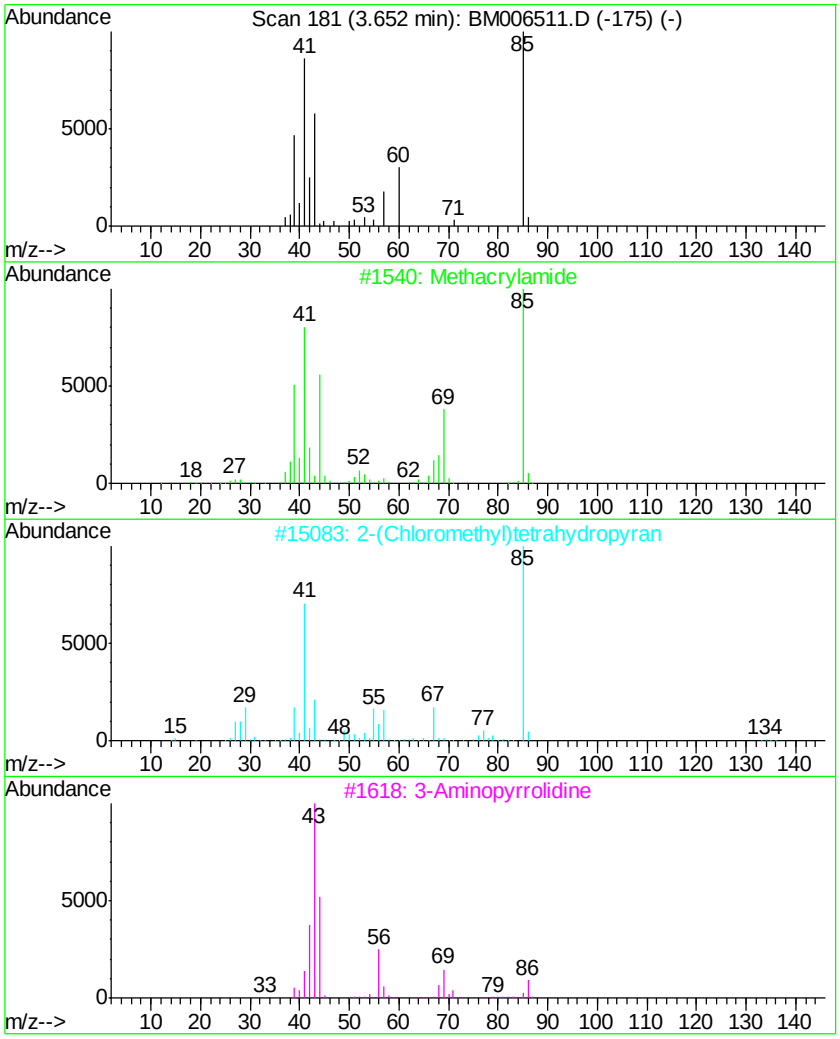
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

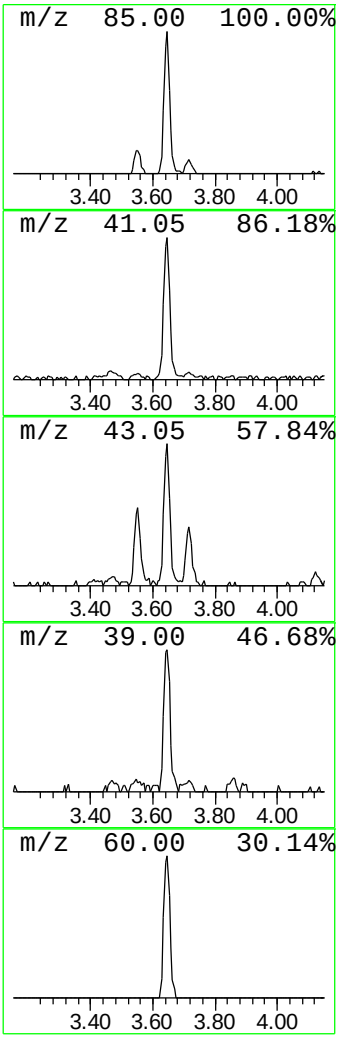
****

Peak Number 1 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.65	2.01 ng/ul	97616	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	36
2	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	33
3	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	9
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	9
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

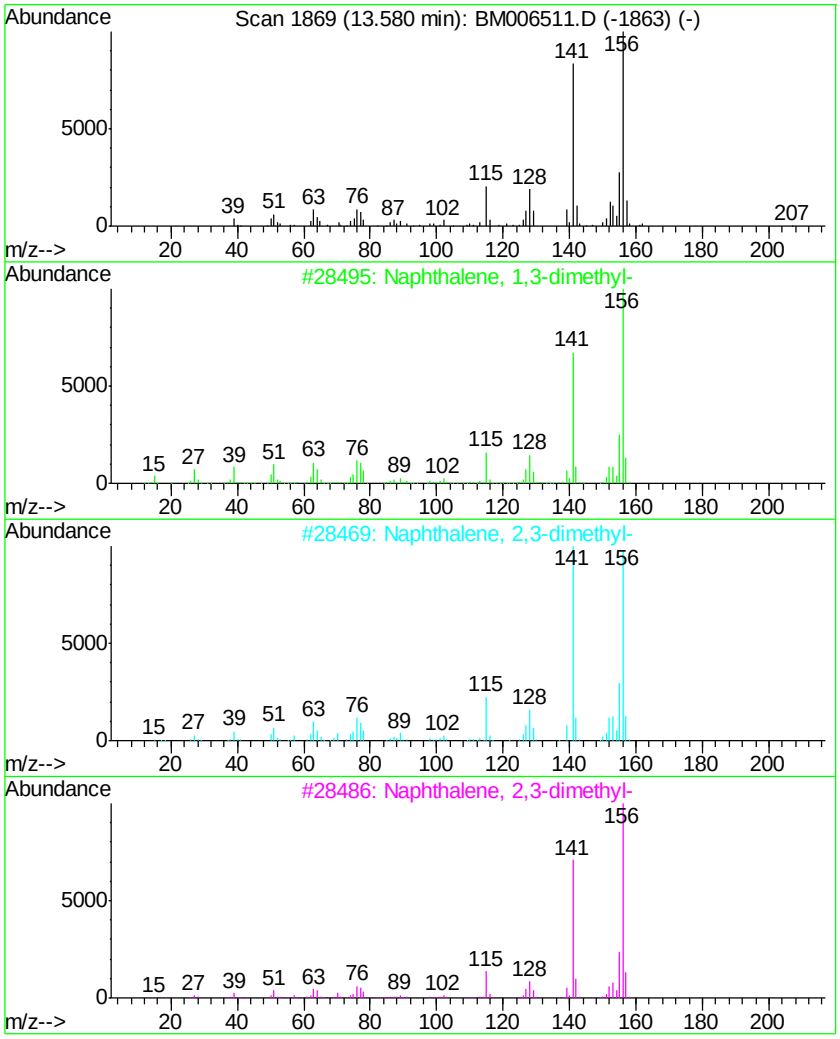
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

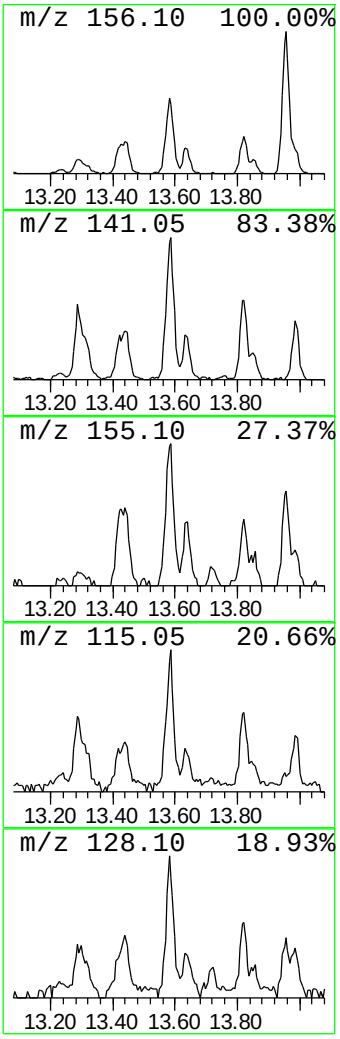
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	2.95 ng/ul	270584	Acenaphthene-d10	14.27

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006511.D
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Operator : UM/SJ
Sample : H3985-16
Misc :
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Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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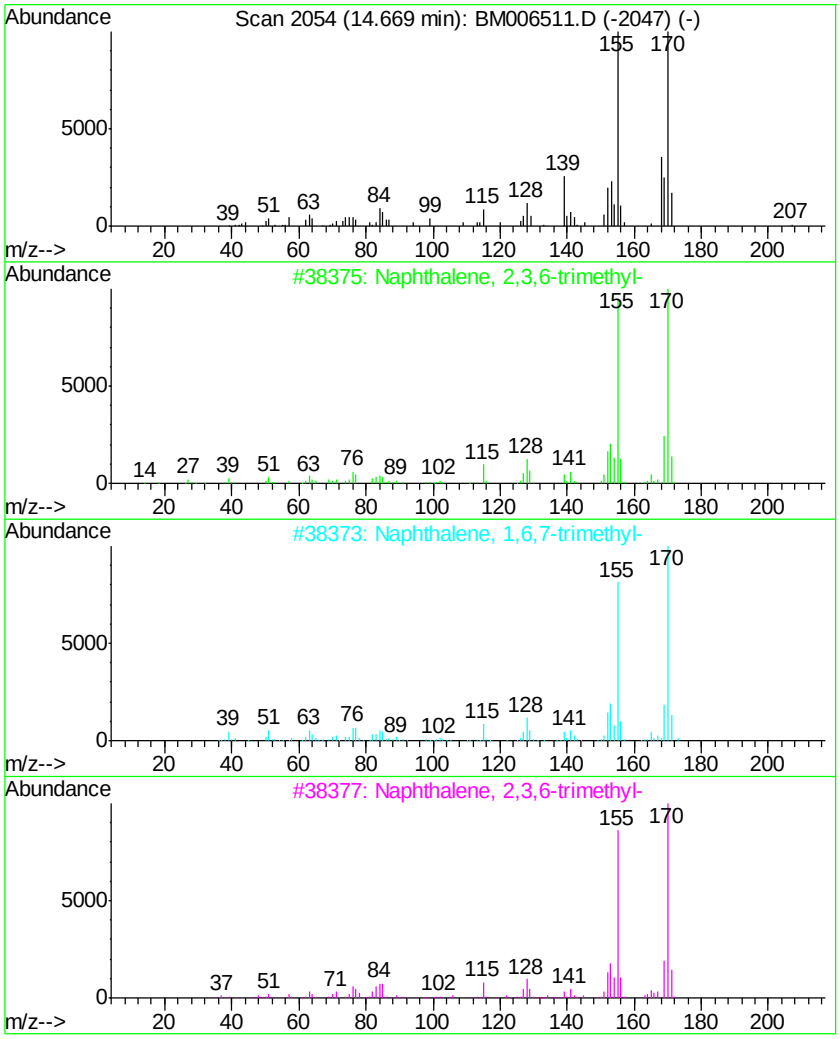
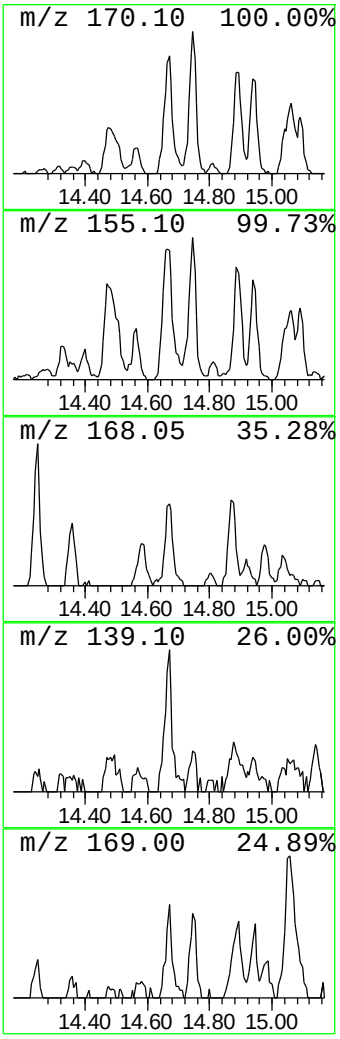
Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	2.51 ng/ul	230277	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

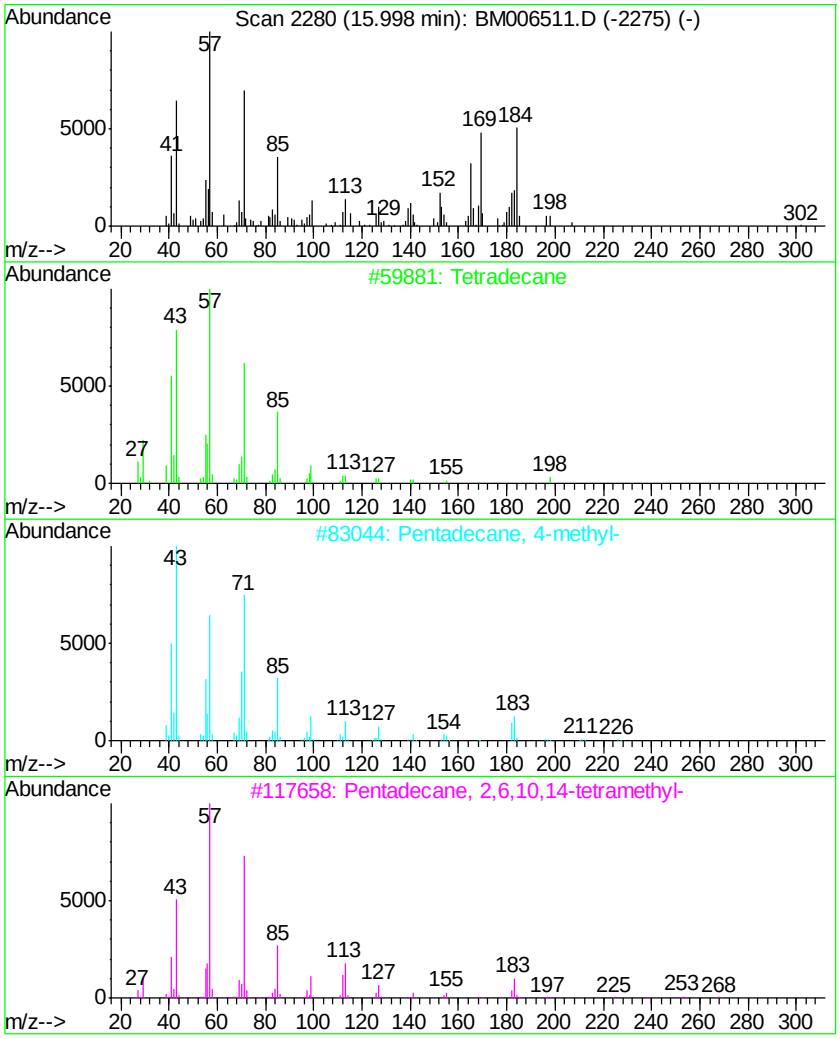
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

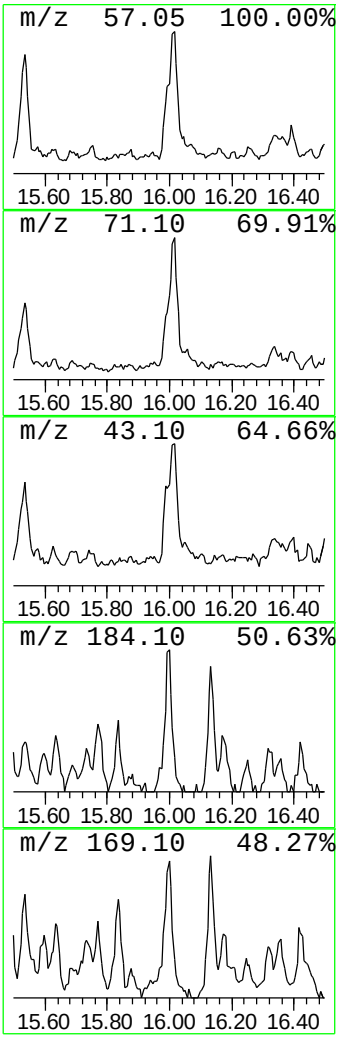
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.25 ng/ul	239687	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	55
2	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	46
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	43
4	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	43
5	Dodecane	170	C12H26	000112-40-3	42





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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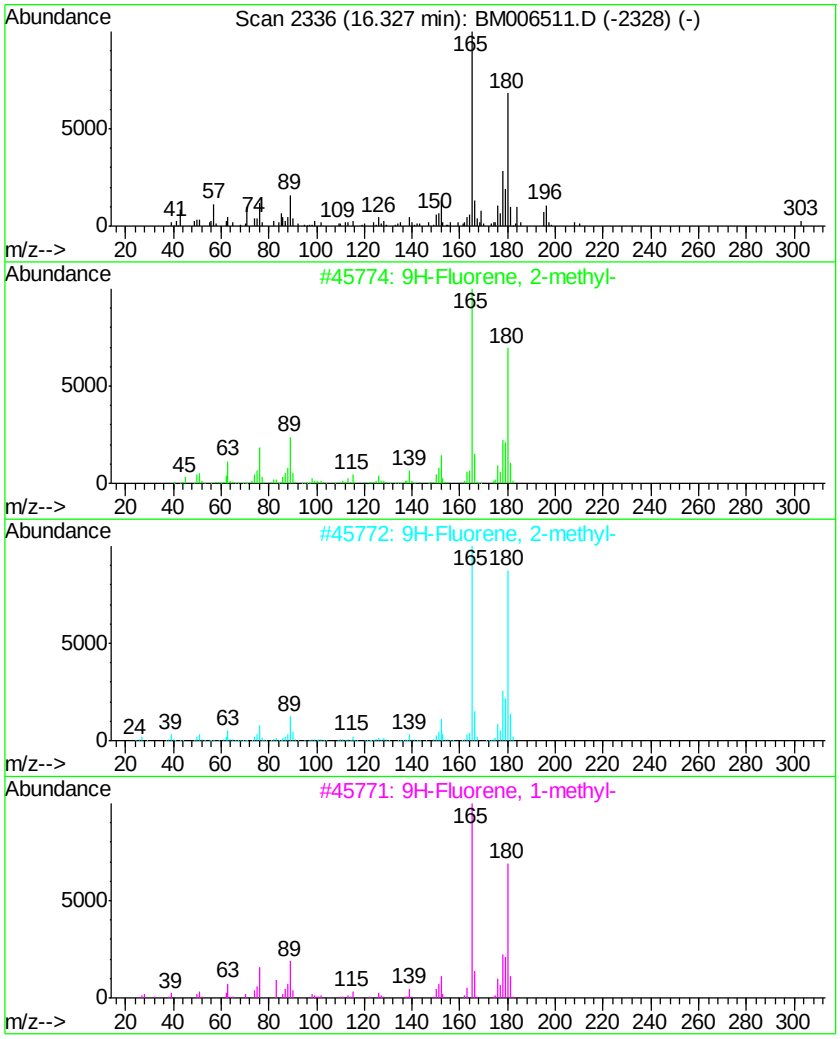
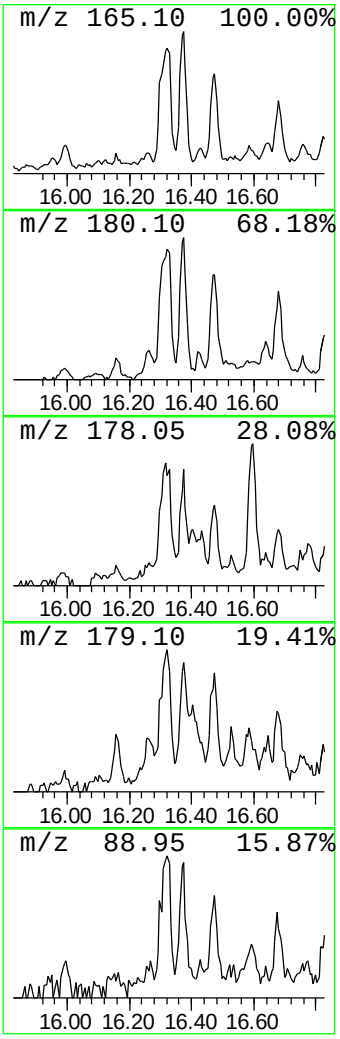
Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	2.40 ng/ul	255840	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90





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Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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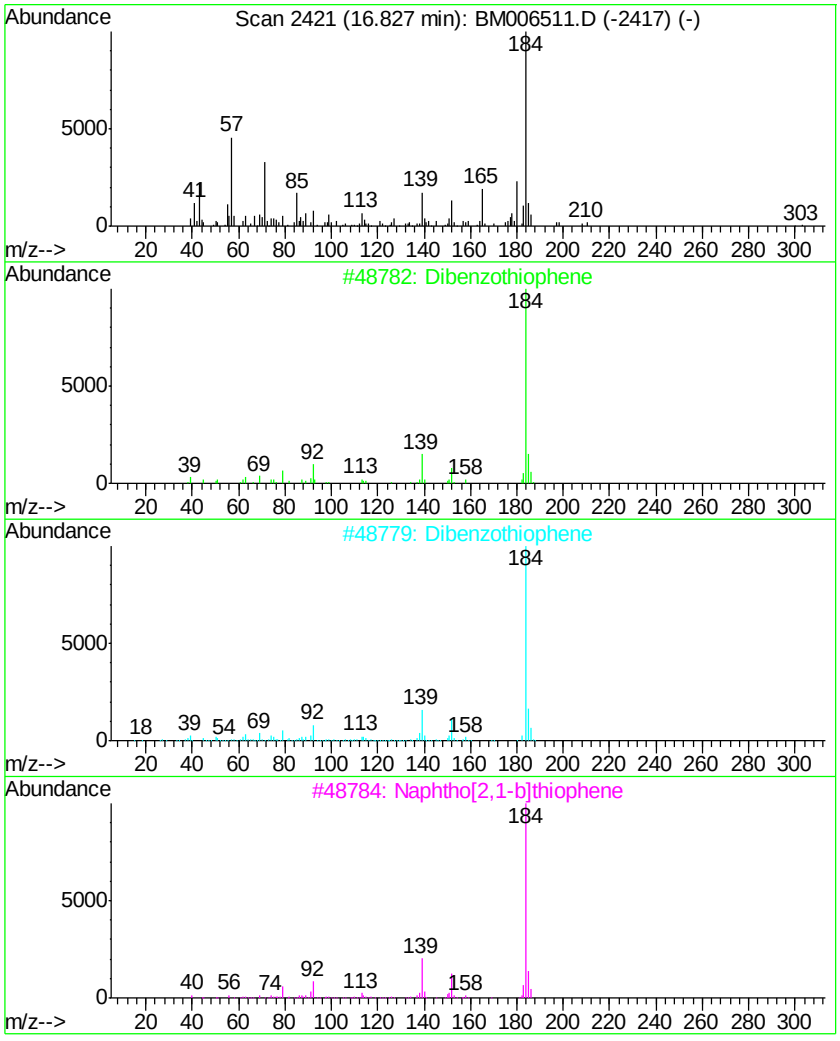
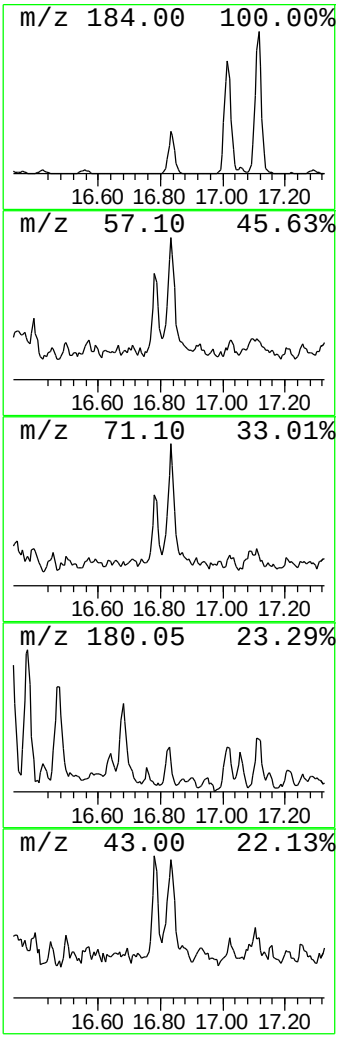
Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.35 ng/ul	250420	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	64
2	Dibenzothiophene	184	C12H8S	000132-65-0	64
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	64
4	Dibenzothiophene	184	C12H8S	000132-65-0	60
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	58





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Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
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Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

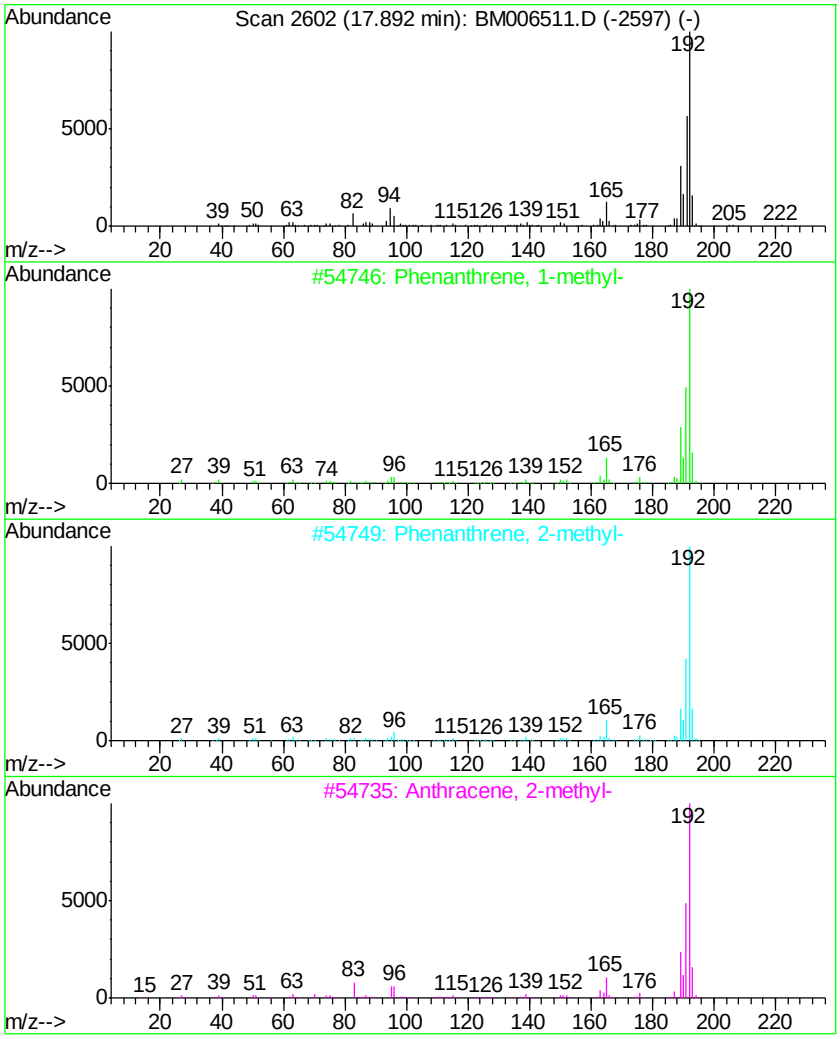
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

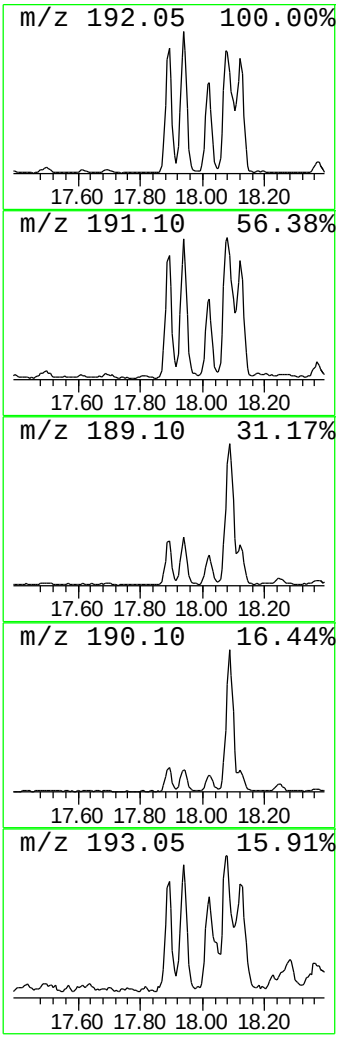
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.79 ng/ul	403880	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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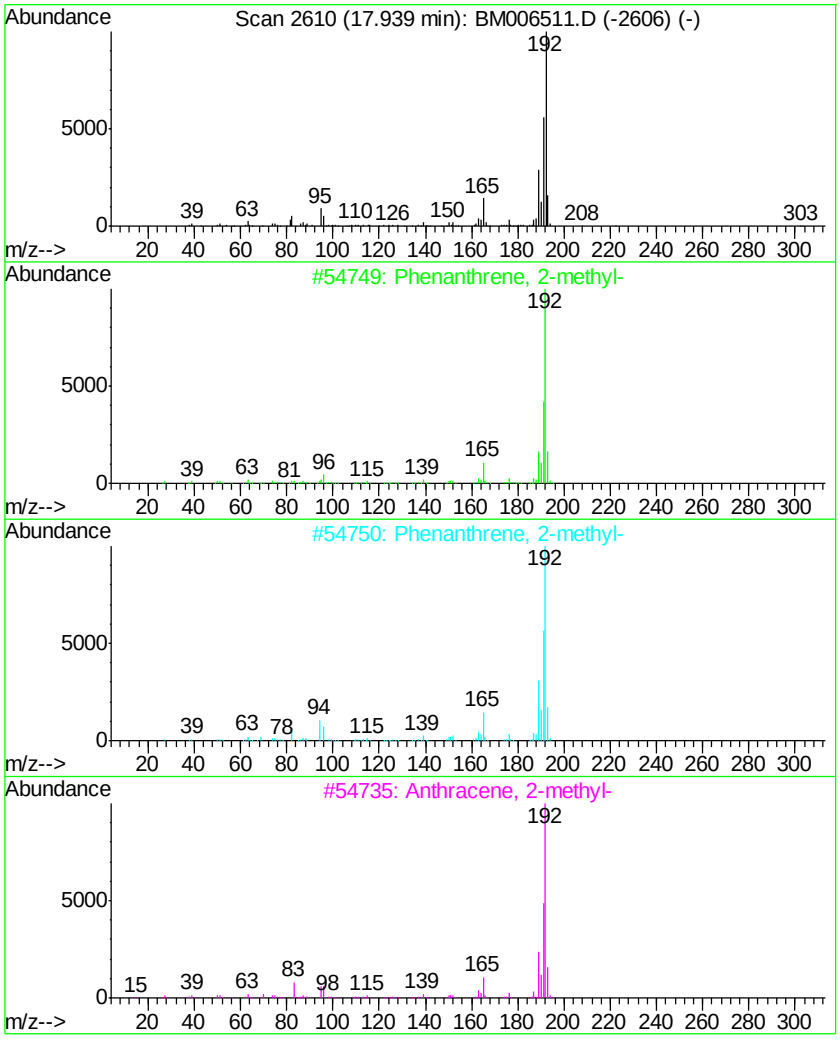
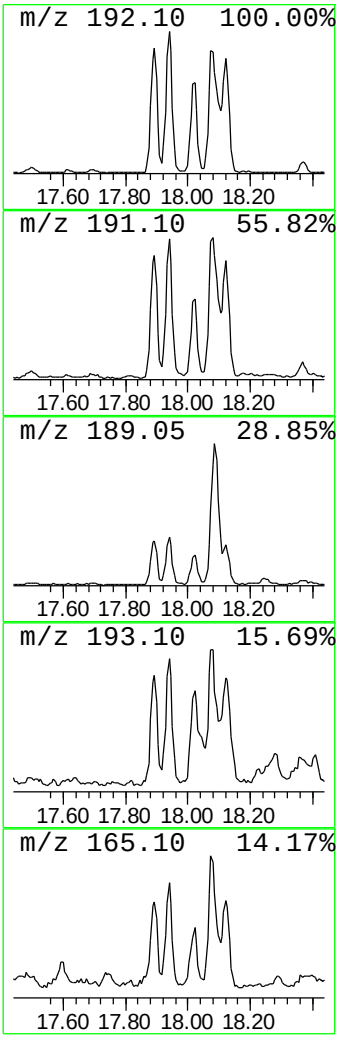
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.46 ng/ul	475854	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Library Search Compound Report

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Sample : H3985-16
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ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

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Quant Title : SVOA CALIBRATION

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

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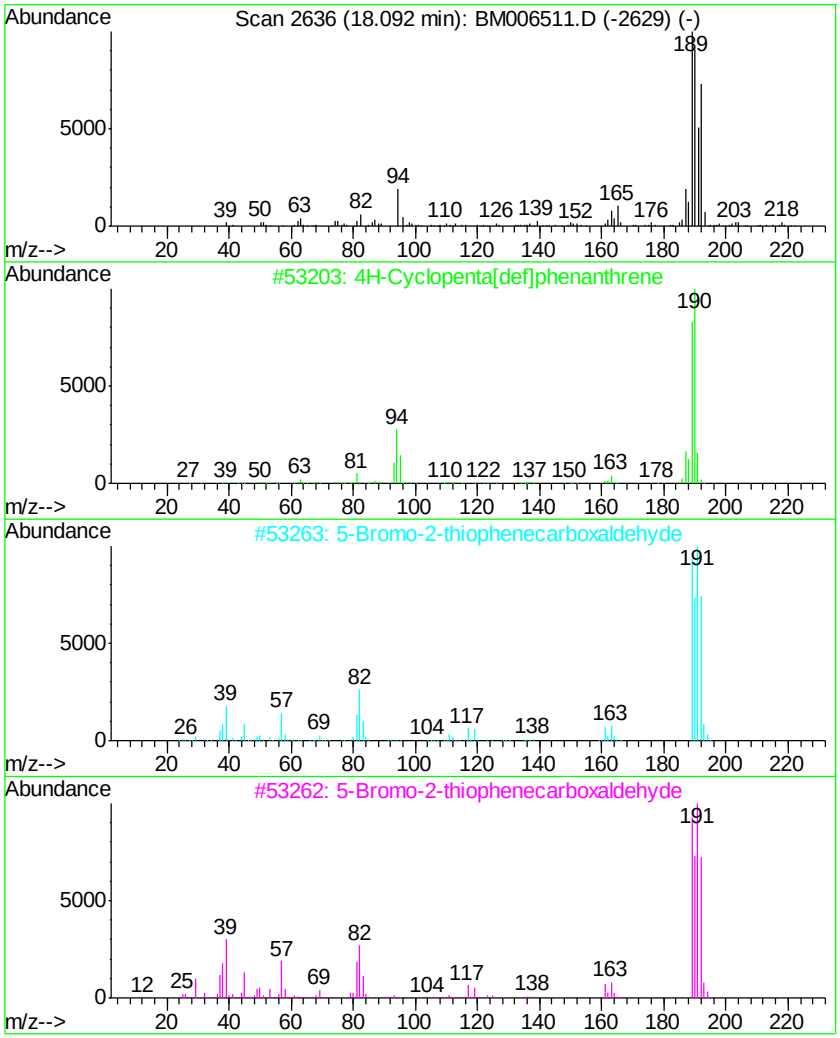
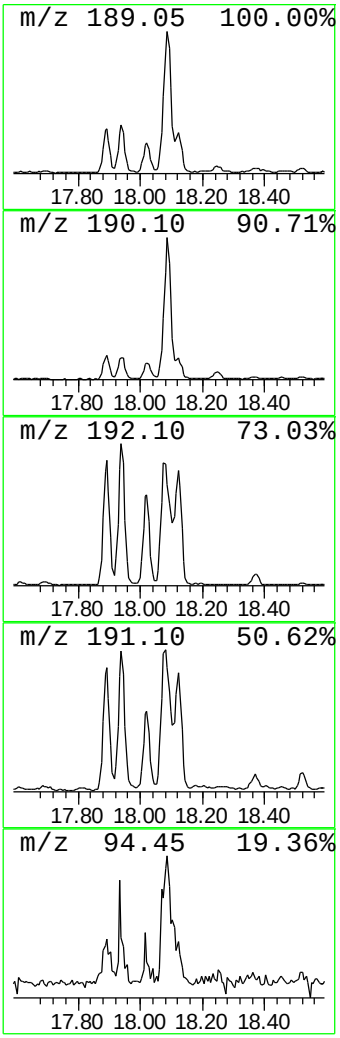
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	9.23 ng/ul	984387	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	53
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	53
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	38





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Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

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Quant Title : SVOA CALIBRATION

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

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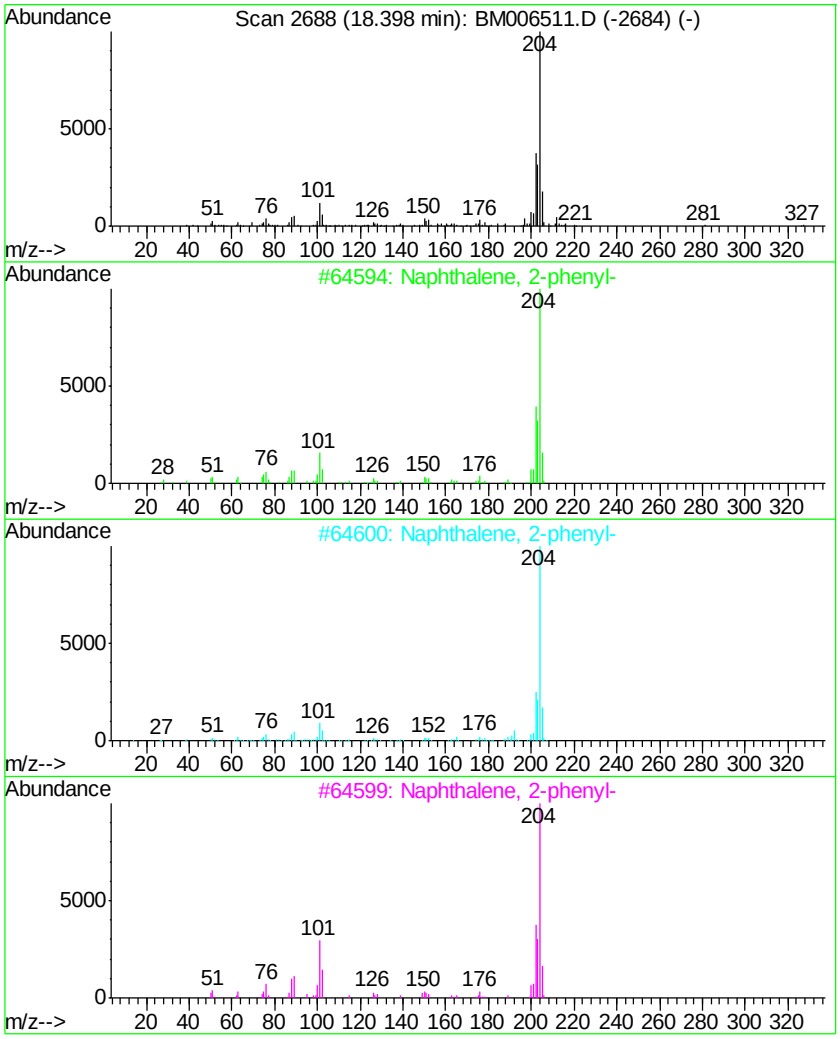
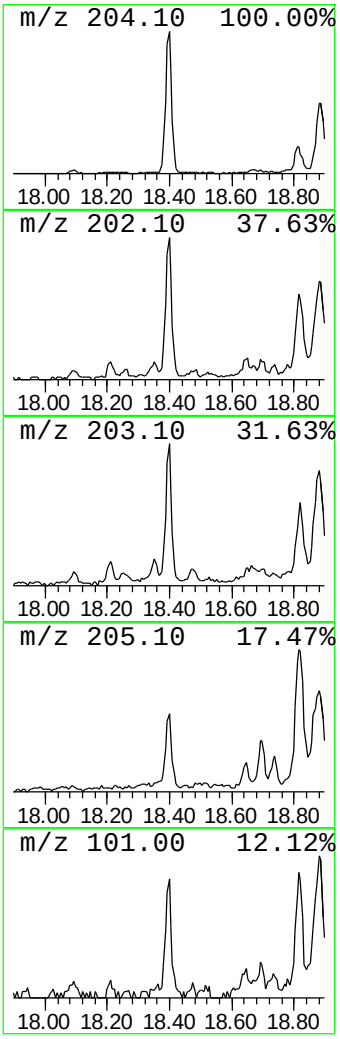
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.09 ng/ul	223181	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87





Library Search Compound Report

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Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

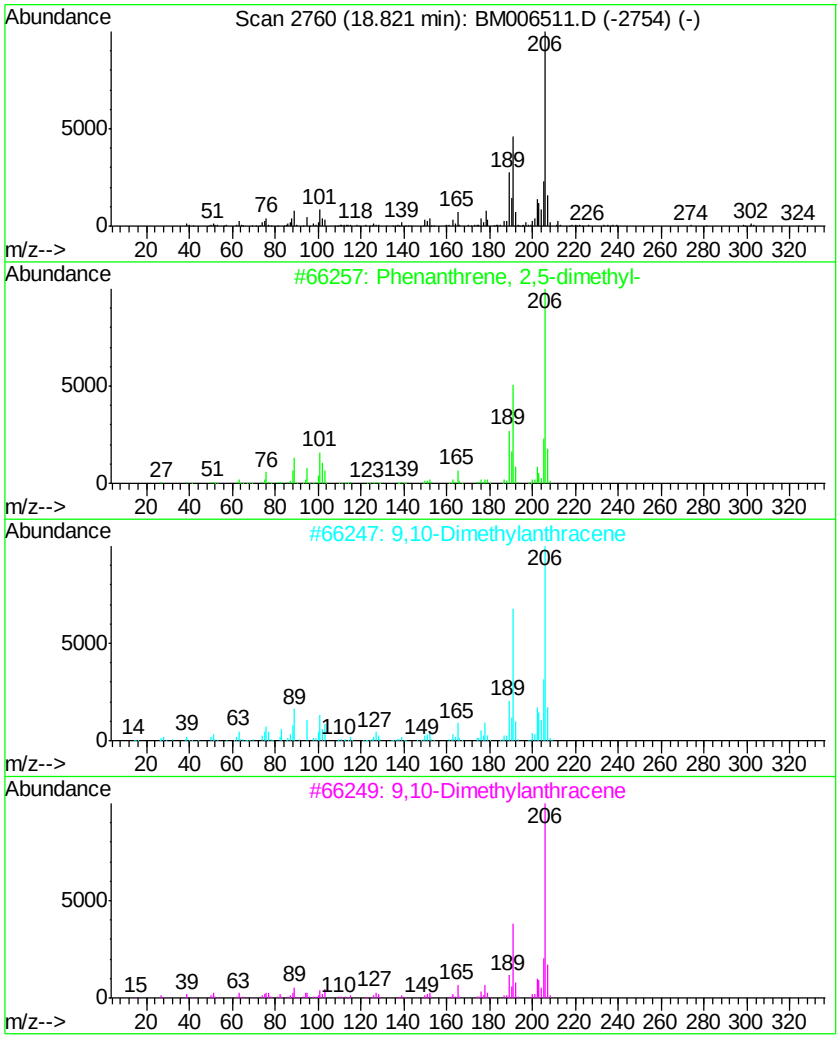
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

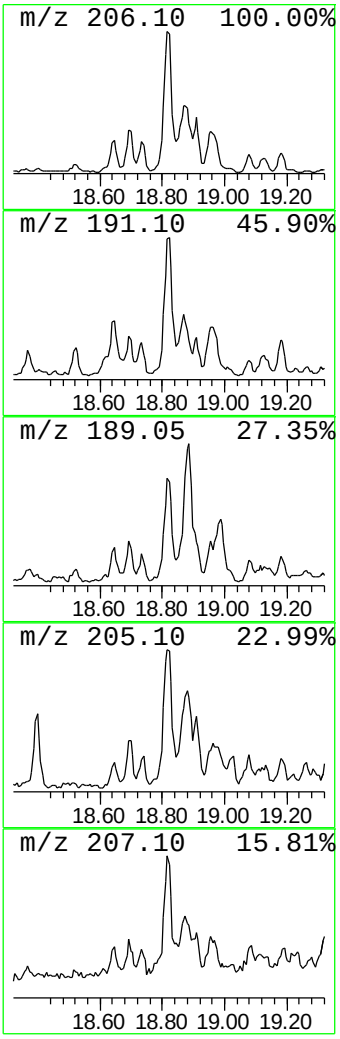
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	4.98 ng/ul	531266	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Library Search Compound Report

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Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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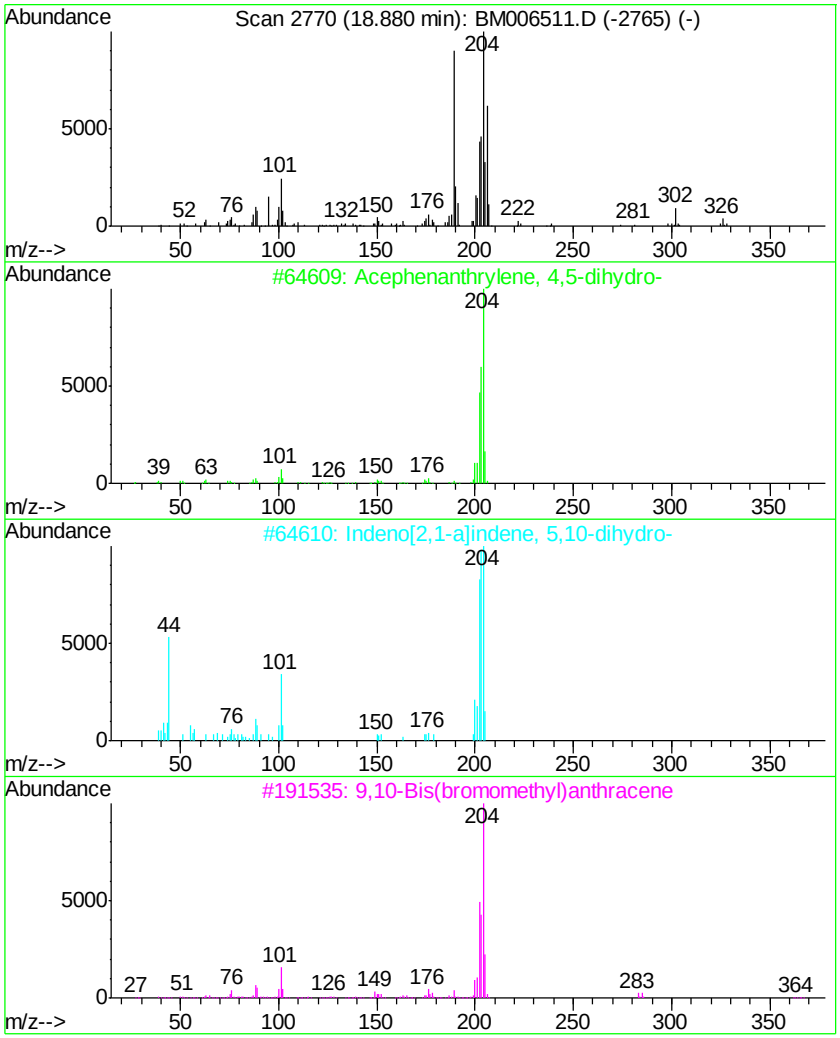
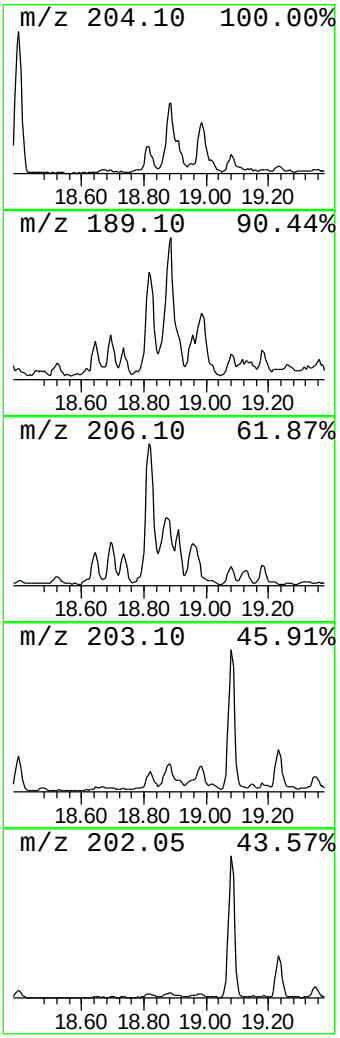
Peak Number 14 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.49 ng/ul	265579	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	48
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43





Library Search Compound Report

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Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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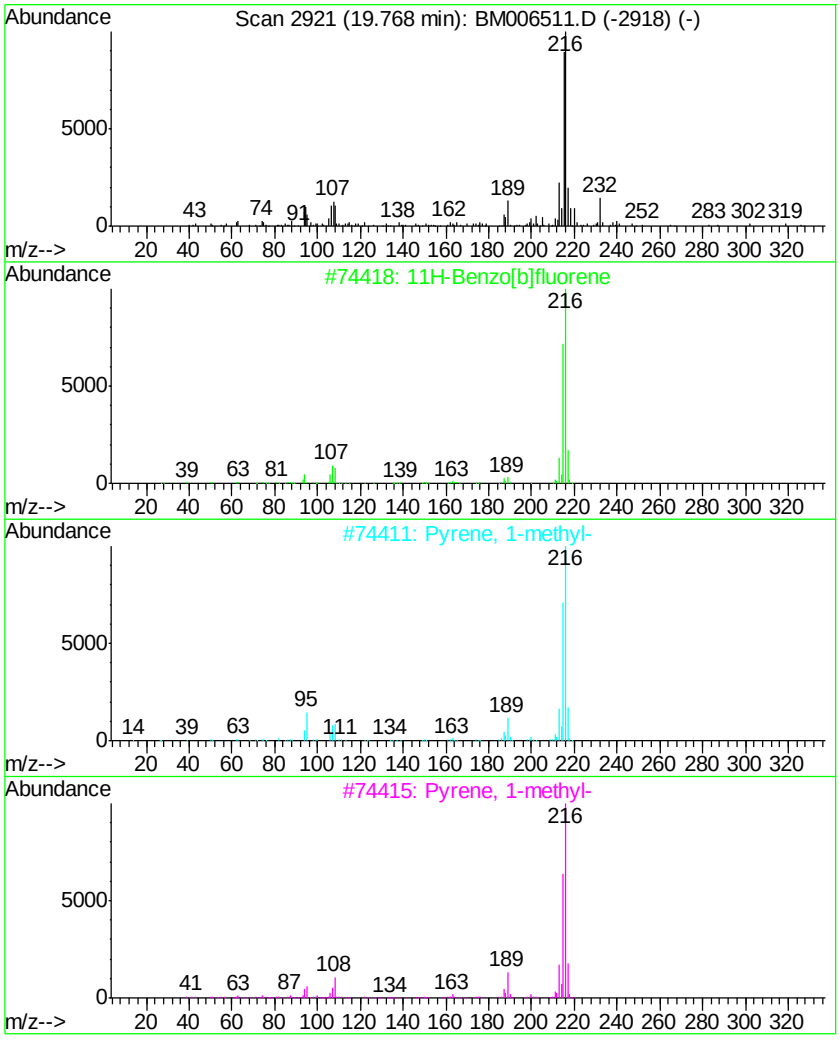
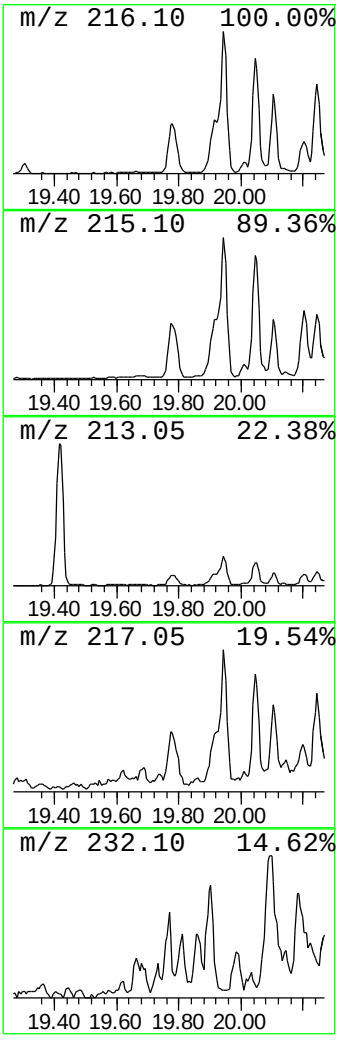
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.10 ng/ul	406958	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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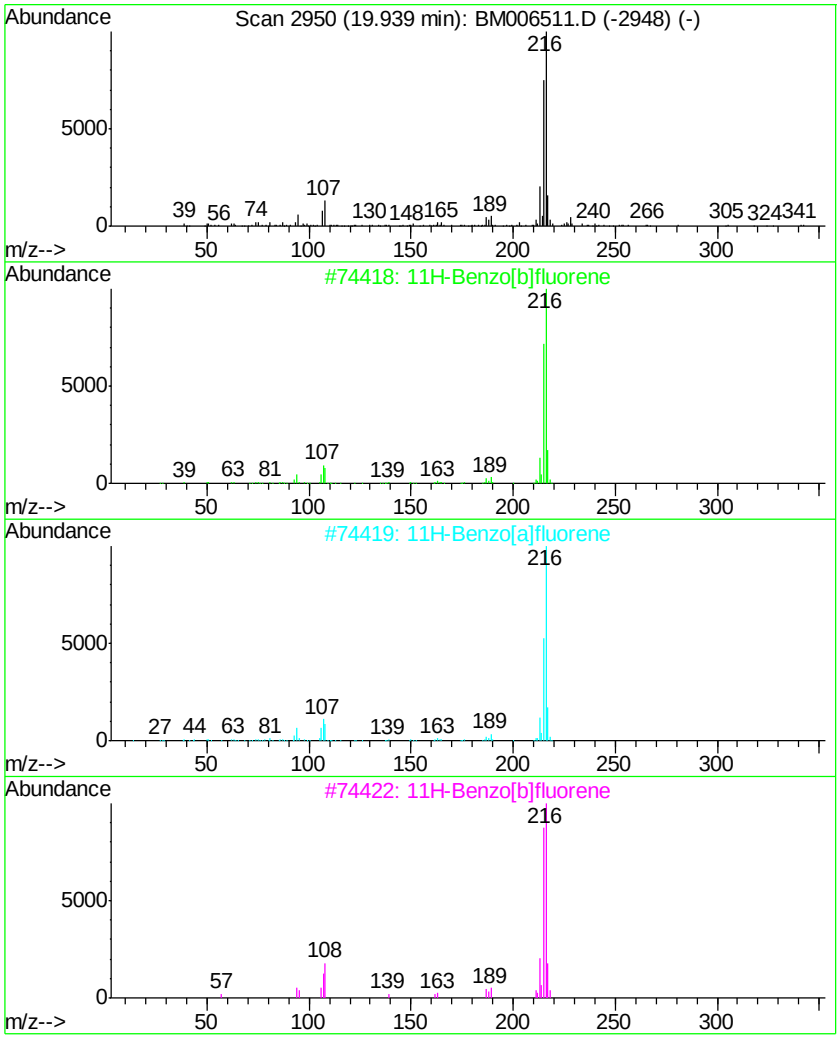
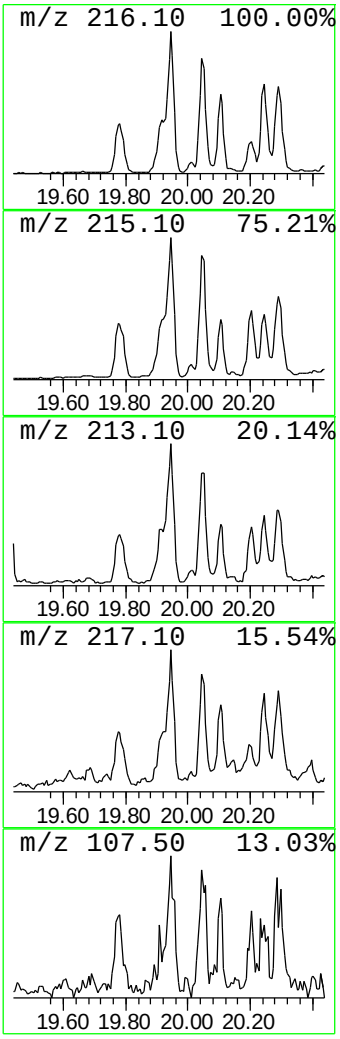
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.95 ng/ul	572116	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ALS Vial : 39 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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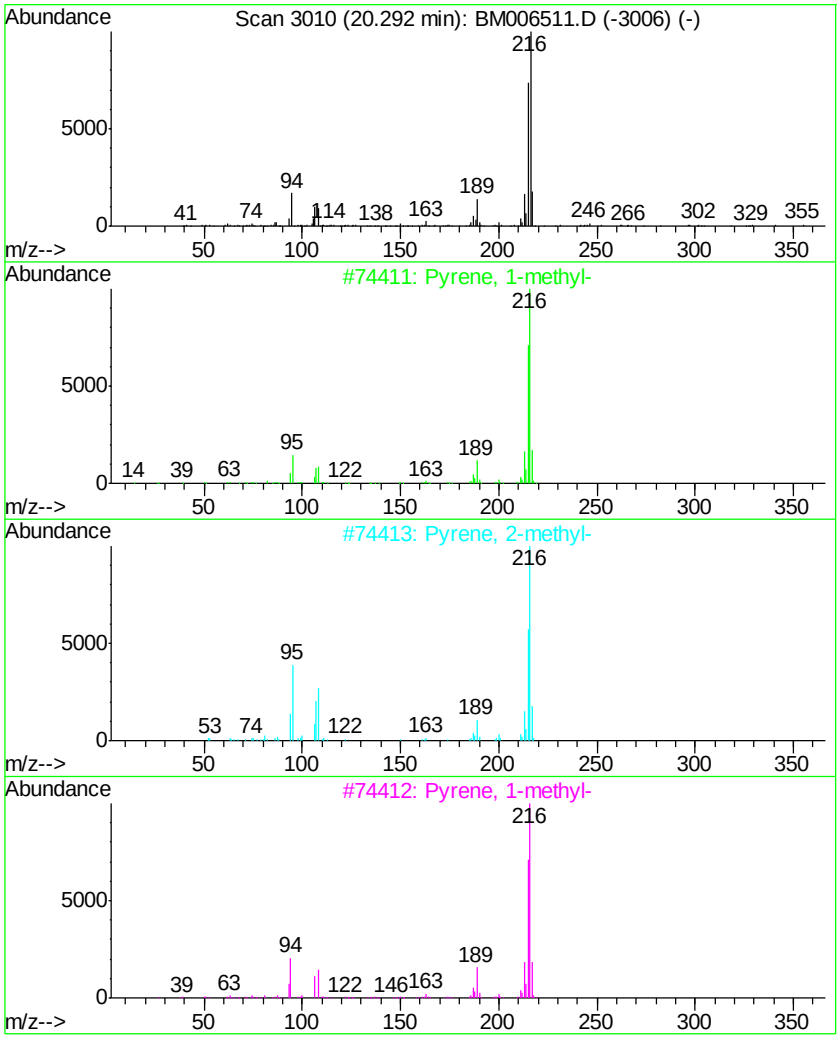
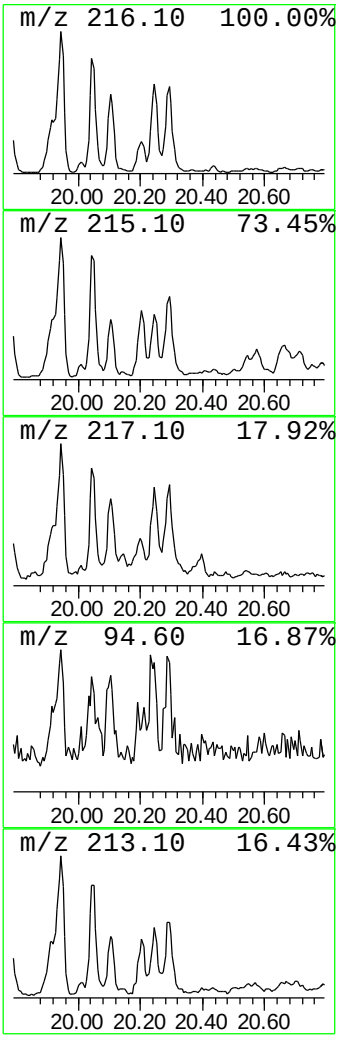
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	2.54 ng/ul	493604	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006511.D
Acq On : 17 Jul 2016 11:47
Operator : UM/SJ
Sample : H3985-16
Misc :
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Instrument : BNA_M
ClientSampleId : BDJ51

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.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
unknown-01	3.65	2.0	ng/ul	97616	1	7.62	969662	20.0
Naphthalene, 1,3-...	13.58	3.0	ng/ul	270584	3	14.27	1835550	20.0
Naphthalene, 2,3,...	14.67	2.5	ng/ul	230277	3	14.27	1835550	20.0
(DEL) Alkane: Str...	16.00	2.3	ng/ul	239687	4	17.02	2132830	20.0
9H-Fluorene, 2-me...	16.33	2.4	ng/ul	255840	4	17.02	2132830	20.0
Dibenzothiophene	16.83	2.4	ng/ul	250420	4	17.02	2132830	20.0
Phenanthrene, 1-m...	17.89	3.8	ng/ul	403880	4	17.02	2132830	20.0
Phenanthrene, 2-m...	17.94	4.5	ng/ul	475854	4	17.02	2132830	20.0
4H-Cyclopenta[def...	18.09	9.2	ng/ul	984387	4	17.02	2132830	20.0
Naphthalene, 2-ph...	18.40	2.1	ng/ul	223181	4	17.02	2132830	20.0
Phenanthrene, 2,5...	18.82	5.0	ng/ul	531266	4	17.02	2132830	20.0
unknown-02	18.88	2.5	ng/ul	265579	4	17.02	2132830	20.0
11H-Benzo[b]fluorene	19.77	2.1	ng/ul	406958	5	21.22	3883030	20.0
11H-Benzo[a]fluorene	19.94	3.0	ng/ul	572116	5	21.22	3883030	20.0
Pyrene, 1-methyl-	20.29	2.5	ng/ul	493604	5	21.22	3883030	20.0