LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014387.D
Acq On : 27 Feb 2018 17:49
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

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-BM021418.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	4.681	283	288	298	rVB2	73693	119855	1.02%	0.107%
2	6.728	630	636	649	rVB3	465239	959003	8.17%	0.853%
3	6.875	654	661	671	rBV	387623	618263	5.27%	0.550%
4	7.063	686	693	701	rBV	603391	945394	8.06%	0.840%
5	7.522	765	771	779	rBV	476901	774146	6.60%	0.688%
6	7.645	787	792	799	rVB	84425	138337	1.18%	0.123%
7	8.251	889	895	902	rBV	528048	925989	7.89%	0.823%
8	8.681	961	968	979	rBV	566572	983521	8.38%	0.874%
9	9.392	1082	1089	1098	rBV	492477	887108	7.56%	0.789%
10	9.939	1175	1182	1194	rBV	632881	1221494	10.41%	1.086%
11	10.292	1233	1242	1247	rBV	633281	1082421	9.23%	0.962%
12	10.345	1247	1251	1256	rVB	133450	219945	1.87%	0.196%
13	10.457	1261	1270	1282	rBV	301371	702495	5.99%	0.625%
14	13.604	1799	1805	1809	rBV	1228723	1695786	14.45%	1.508%
15	13.651	1809	1813	1819	rVB	587591	816712	6.96%	0.726%
16	13.869	1842	1850	1864	rBV	1447226	2419960	20.63%	2.151%
17	14.080	1878	1886	1890	rBV2	81861	119590	1.02%	0.106%
18	14.180	1895	1903	1909	rVV2	914968	1404012	11.97%	1.248%
19	14.245	1909	1914	1924	rVB2	154708	239900	2.04%	0.213%
20	14.457	1945	1950	1968	rBV2	226096	590036	5.03%	0.525%
21	14.586	1968	1972	1977	rBV	124352	194214	1.66%	0.173%
22	15.039	2042	2049	2057	rVB4	116252	238645	2.03%	0.212%
23	15.186	2068	2074	2079	rBV	1651931	2383379	20.31%	2.119%
24	15.239	2079	2083	2088	rVB2	158325	235243	2.00%	0.209%
25	15.345	2095	2101	2107	rBV4	126246	229496	1.96%	0.204%
26	15.910	2193	2197	2199	rBV2	121134	173753	1.48%	0.154%
27	16.121	2227	2233	2238	rBV2	125111	223383	1.90%	0.199%
28	16.604	2311	2315	2323	rVB	147807	223077	1.90%	0.198%
29	16.698	2323	2331	2335	rBV5	125429	257095	2.19%	0.229%
30	16.757	2337	2341	2347	rVB	144569	237130	2.02%	0.211%
31	16.945	2366	2373	2376	rBV	982728	1538012	13.11%	1.367%
32	16.986	2376	2380	2384	rVV	2471646	3275317	27.92%	2.912%
33	17.039	2384	2389	2393	rVV2	1744612	2584396	22.03%	2.298%
34	17.074	2393	2395	2401	rVB	654866	771758	6.58%	0.686%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5Z0

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Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	17.139	2401	2406	2411	rBV3	127068	238587	2.03%	0.212%
36	17.357	2435	2443	2450	rBV	339368	666746	5.68%	0.593%
37	17.815	2517	2521	2524	rBV	344125	497319	4.24%	0.442%
38	17.857	2524	2528	2535	rVB2	736177	1434195	12.22%	1.275%
39	17.951	2540	2544	2548	rVV	197821	311447	2.65%	0.277%
40	18.015	2549	2555	2558	rVV2	537671	1003556	8.55%	0.892%
41	18.051	2558	2561	2565	rVB	280803	401118	3.42%	0.357%
42	18.139	2572	2576	2579	rBV5	100656	134097	1.14%	0.119%
43	18.221	2586	2590	2596	rVB9	137324	221194	1.89%	0.197%
44	18.327	2604	2608	2612	rBV	249716	323021	2.75%	0.287%
45	18.380	2613	2617	2628	rVV	319371	515090	4.39%	0.458%
46	18.668	2663	2666	2669	rVB2	101114	120656	1.03%	0.107%
47	18.751	2676	2680	2682	rBV	239158	380229	3.24%	0.338%
48	18.780	2682	2685	2693	rVB5	718262	1074255	9.16%	0.955%
49	18.898	2701	2705	2710	rVB2	324129	486543	4.15%	0.433%
50	19.015	2719	2725	2731	rBV	5585301	7422055	63.26%	6.598%
51	19.145	2744	2747	2755	rVB4	313923	541565	4.62%	0.481%
52	19.356	2777	2783	2784	rBV2	2551530	3457187	29.47%	3.073%
53	19.386	2784	2788	2795	rVB	6592292	8914531	75.98%	7.925%
54	19.456	2797	2800	2804	rBV3	238258	316653	2.70%	0.282%
55	19.633	2827	2830	2834	rVB	321250	409121	3.49%	0.364%
56	19.880	2863	2872	2879	rBV	701314	1716168	14.63%	1.526%
57	19.986	2887	2890	2893	rBV	382462	437820	3.73%	0.389%
58	20.039	2897	2899	2904	rVB	563739	674590	5.75%	0.600%
59	20.180	2921	2923	2927	rVB	346004	342804	2.92%	0.305%
60	20.639	2998	3001	3006	rBV	680842	818505	6.98%	0.728%
61	20.797	3026	3028	3032	rBV2	478870	600436	5.12%	0.534%
62	20.839	3032	3035	3038	rVV2	617389	740905	6.31%	0.659%
63	20.874	3038	3041	3047	rVV3	1022877	1557212	13.27%	1.384%
64	20.945	3050	3053	3057	rVB	768121	936975	7.99%	0.833%
65	21.145	3083	3087	3093	rBV2	3321355	6630277	56.51%	5.894%
66	21.197	3093	3096	3106	rVB	3470166	4287811	36.54%	3.812%
67	21.309	3112	3115	3119	rBV	729020	914984	7.80%	0.813%
68	21.697	3178	3181	3185	rVB2	1181503	1440249	12.28%	1.280%
69	22.703	3346	3352	3363	rVB	4426582	11733073	100.00%	10.431%
70	22.856	3375	3378	3383	rVB	731131	1044040	8.90%	0.928%
71	23.162	3425	3430	3434	rBV	2222425	3730153	31.79%	3.316%

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Instrument : BNA_M
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	23.209	3434	3438	3441	rVV	1318732	2246386	19.15%	1.997%
73	23.256	3441	3446	3454	rVB	3907164	6552880	55.85%	5.826%
74	23.391	3465	3469	3475	rVB2	1162832	2145530	18.29%	1.907%
75	25.527	3824	3832	3840	rVB2	2139742	5637181	48.05%	5.011%

Sum of corrected areas: 112486009

LSC Report - Integrated Chromatogram

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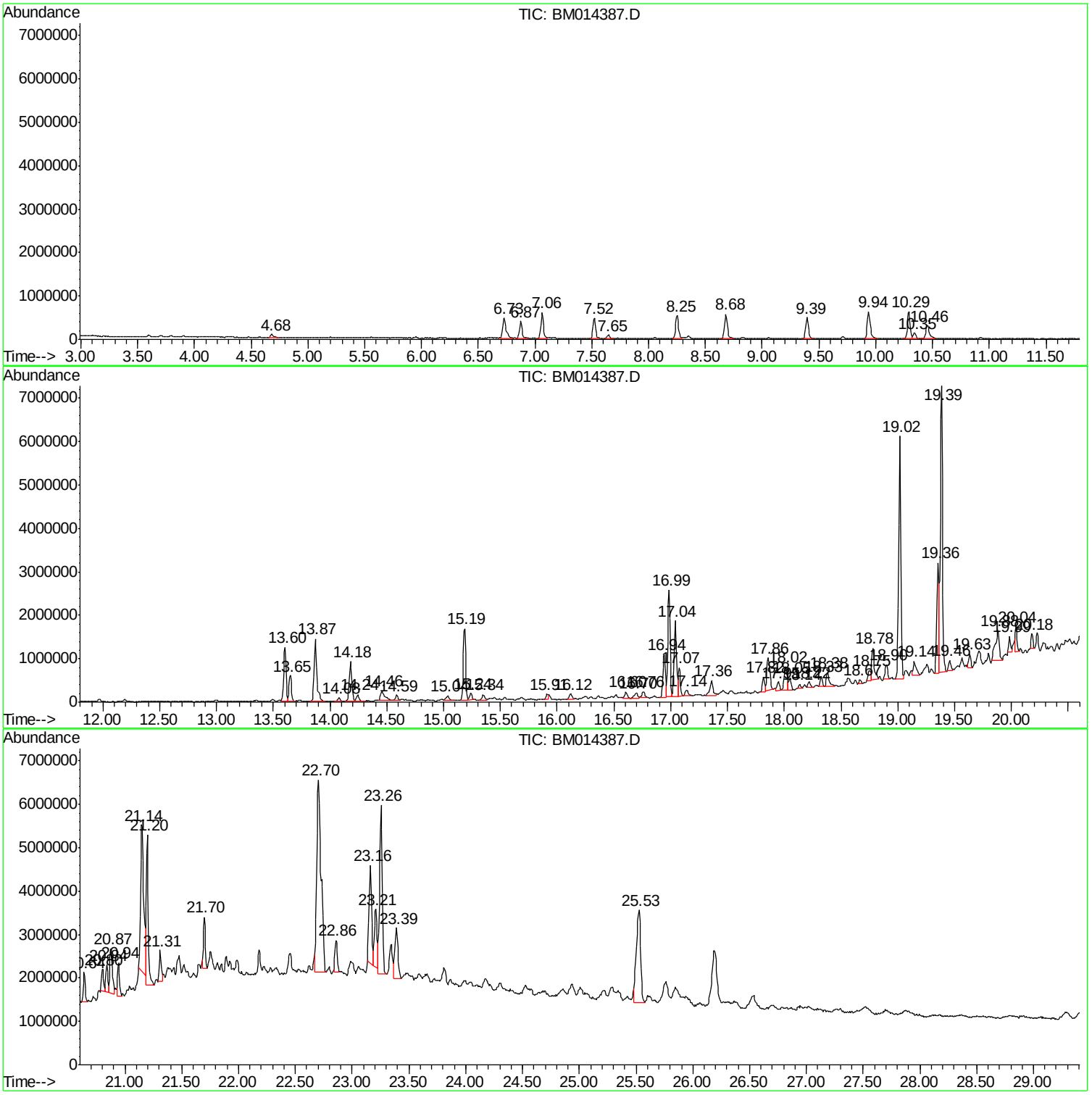
Sample : J1631-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

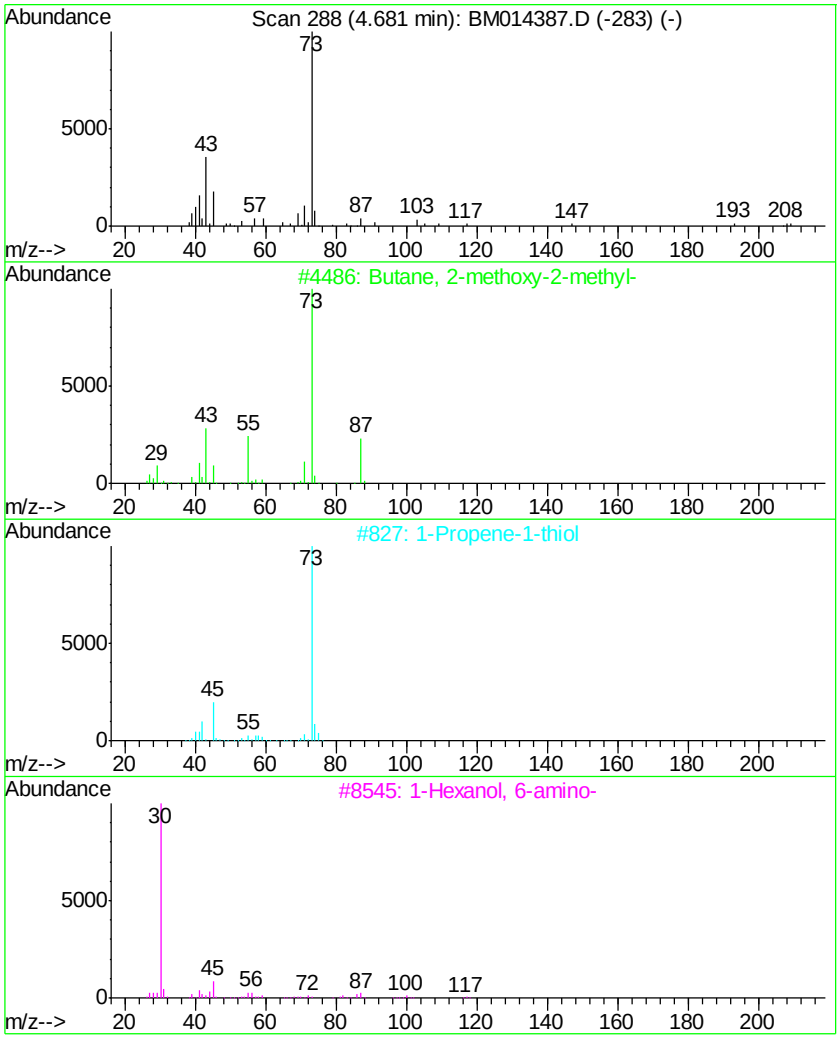
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

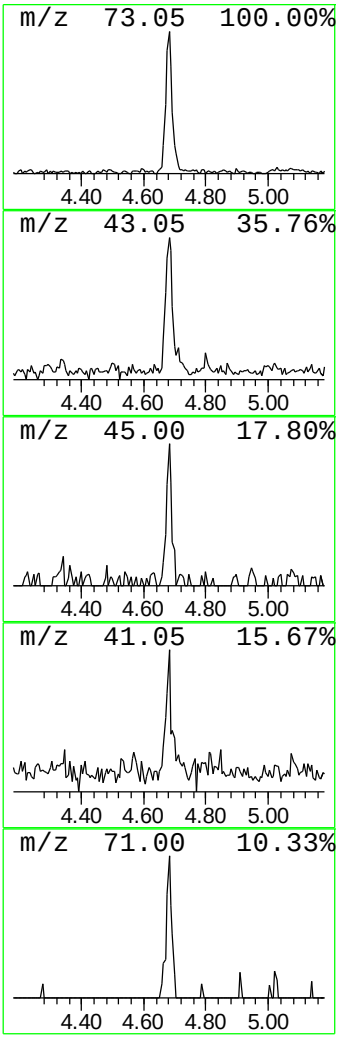
****

Peak Number 1 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	3.10 ng/ul	119855	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	36
2	1-Propene-1-thiol	74	C3H6S	000925-89-3	28
3	1-Hexanol, 6-amino-	117	C6H15NO	004048-33-3	9
4	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	9





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Sample : J1631-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

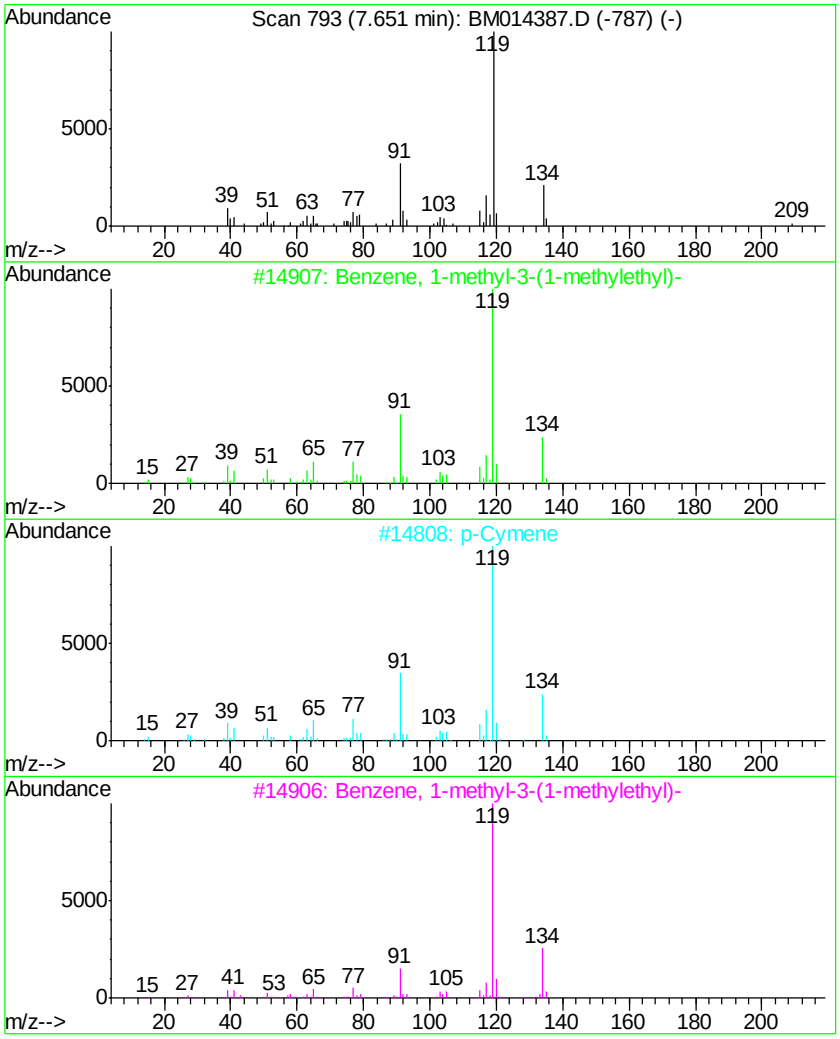
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

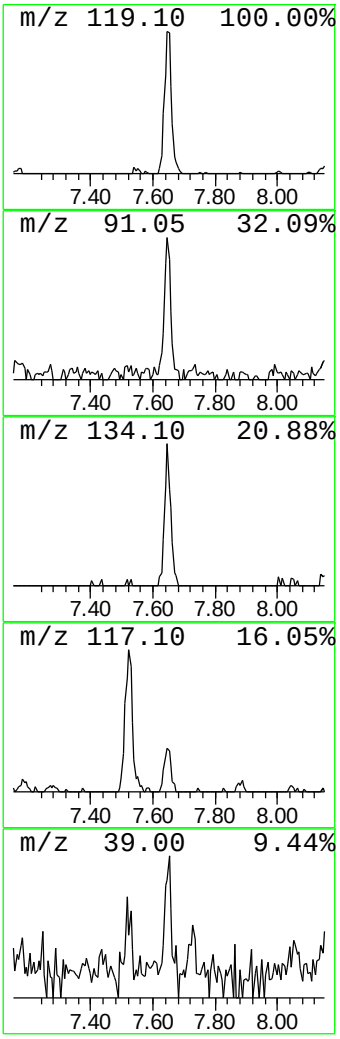
****

Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	3.57 ng/ul	138337	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	p-Cymene	134	C10H14	000099-87-6	87
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87





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Sample : J1631-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

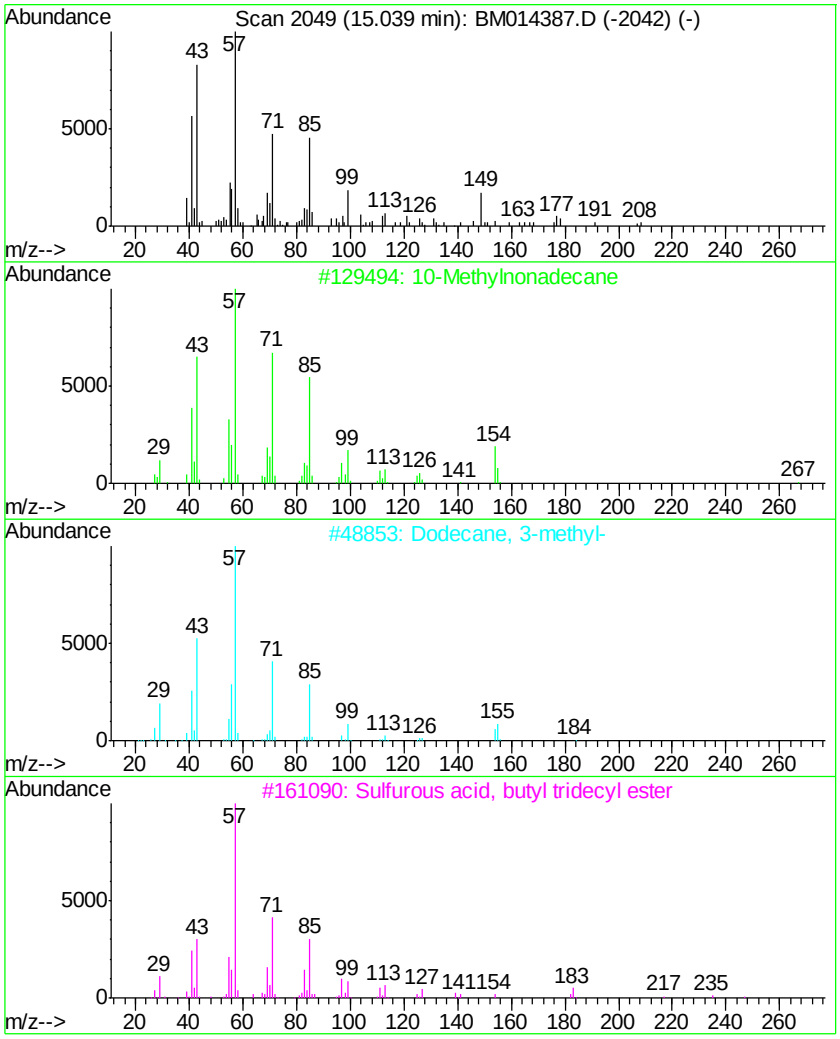
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

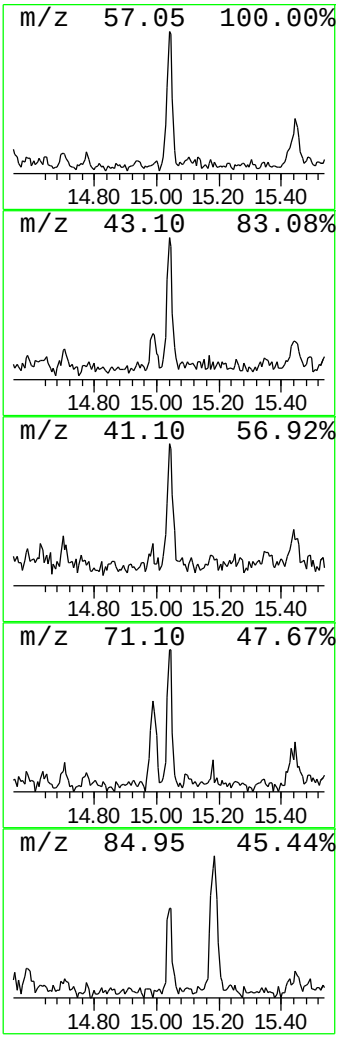
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	3.40 ng/ul	238645	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	72
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
3	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	64
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	53
5	Nonadecane	268	C19H40	000629-92-5	53





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ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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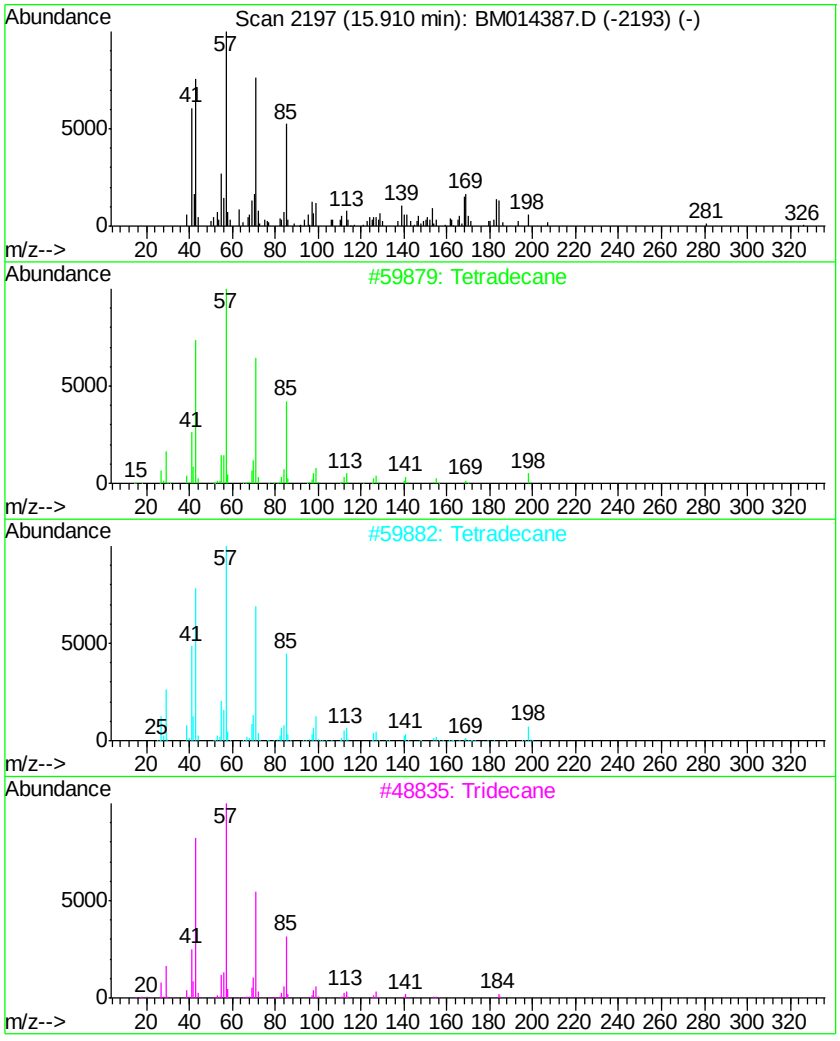
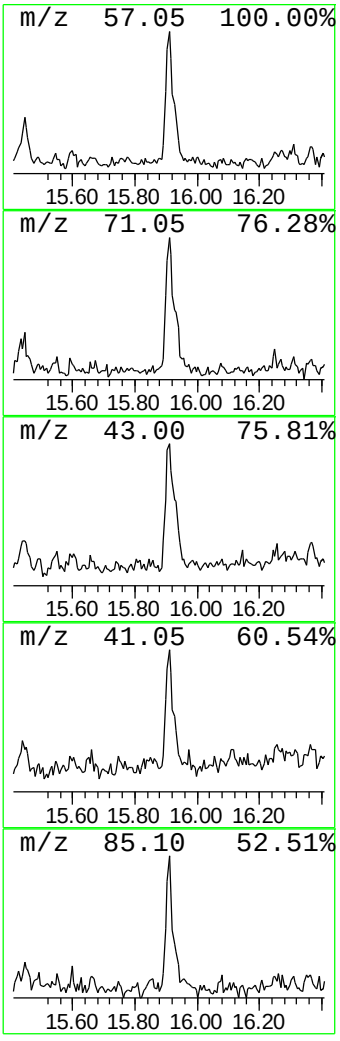
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.26 ng/ul	173753	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Tetradecane	198	C14H30	000629-59-4	91
3	Tridecane	184	C13H28	000629-50-5	83
4	Tridecane	184	C13H28	000629-50-5	64
5	Tetradecane	198	C14H30	000629-59-4	64





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

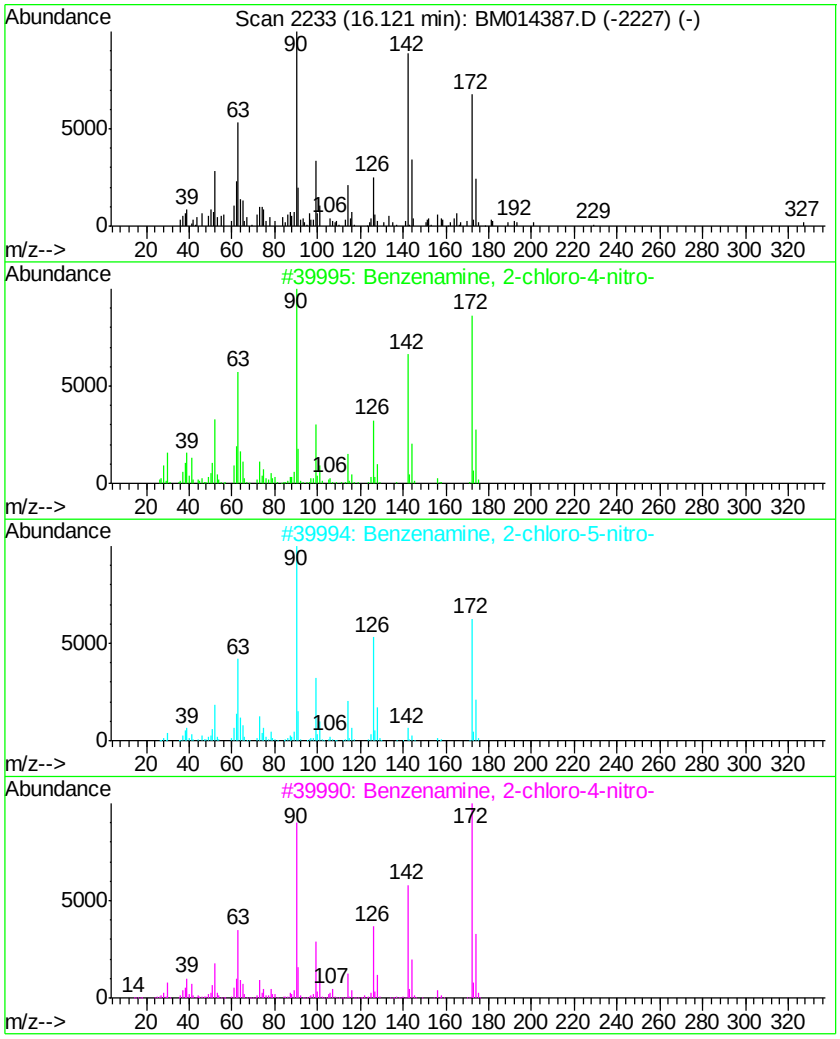
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

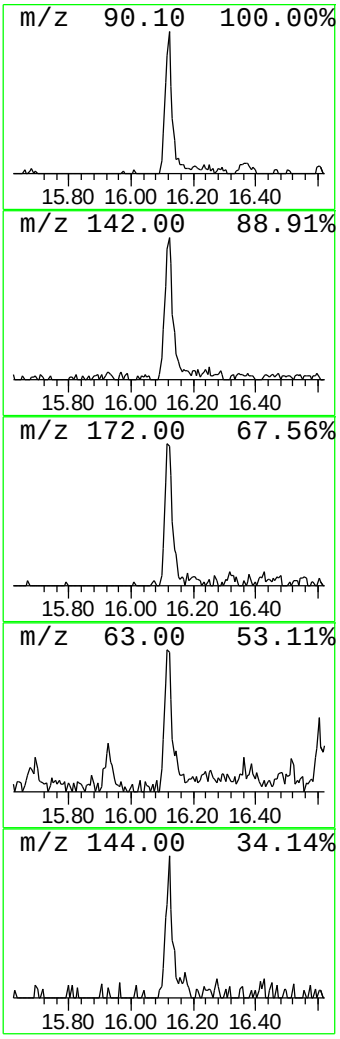
****

Peak Number 5 Benzenamine, 2-chloro-4-nitro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	2.90 ng/ul	223383	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-chloro-4-nitro-	172	C6H5ClN2O2	000121-87-9	91
2	Benzenamine, 2-chloro-5-nitro-	172	C6H5ClN2O2	006283-25-6	86
3	Benzenamine, 2-chloro-4-nitro-	172	C6H5ClN2O2	000121-87-9	59
4	Benzenamine, 2-chloro-5-nitro-	172	C6H5ClN2O2	006283-25-6	45
5	Benzenamine, 4-chloro-3-nitro-	172	C6H5ClN2O2	000635-22-3	43





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Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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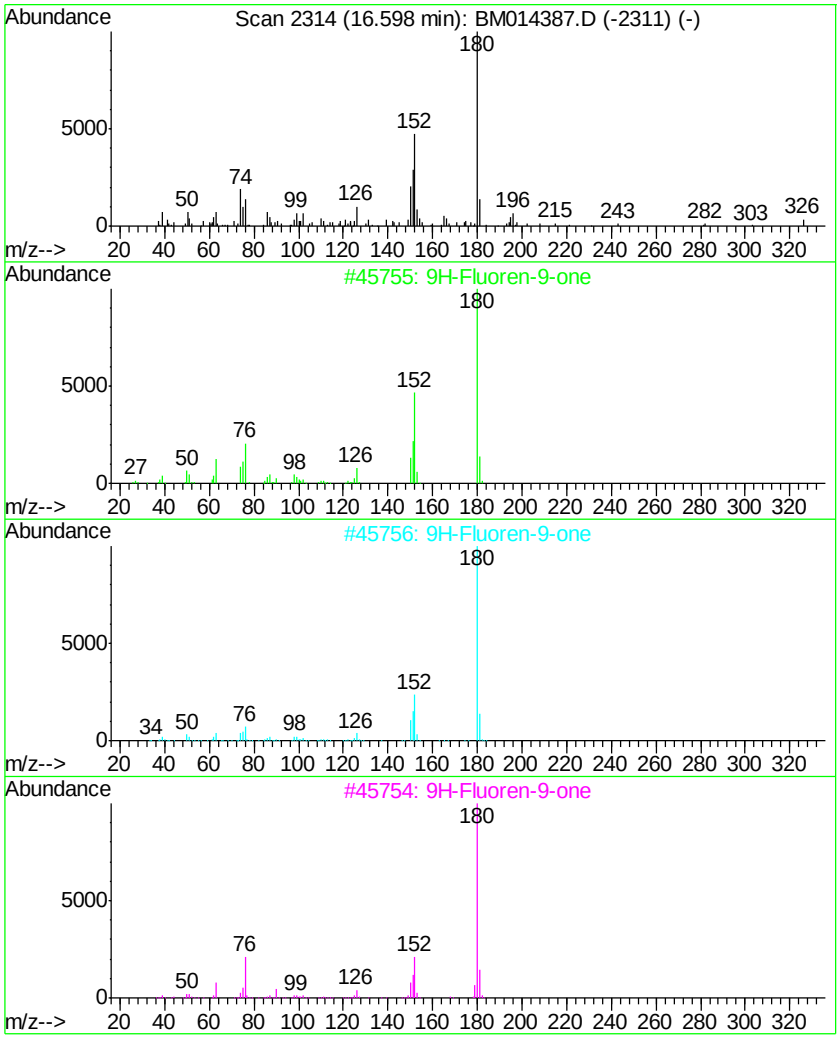
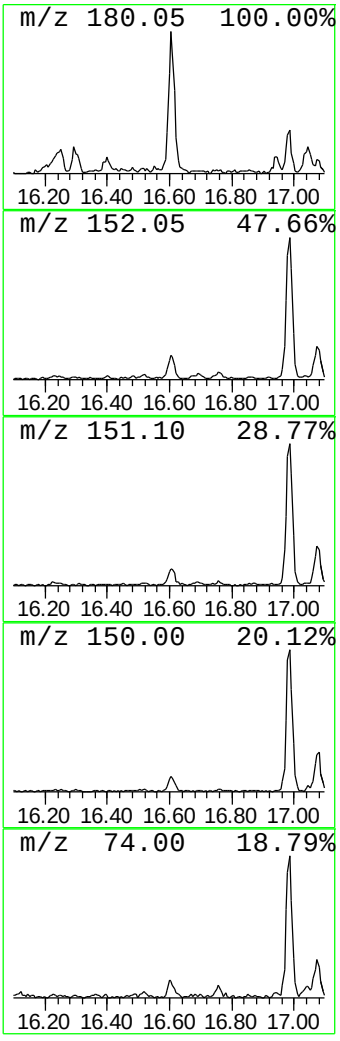
Peak Number 6 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	2.90 ng/ul	223077	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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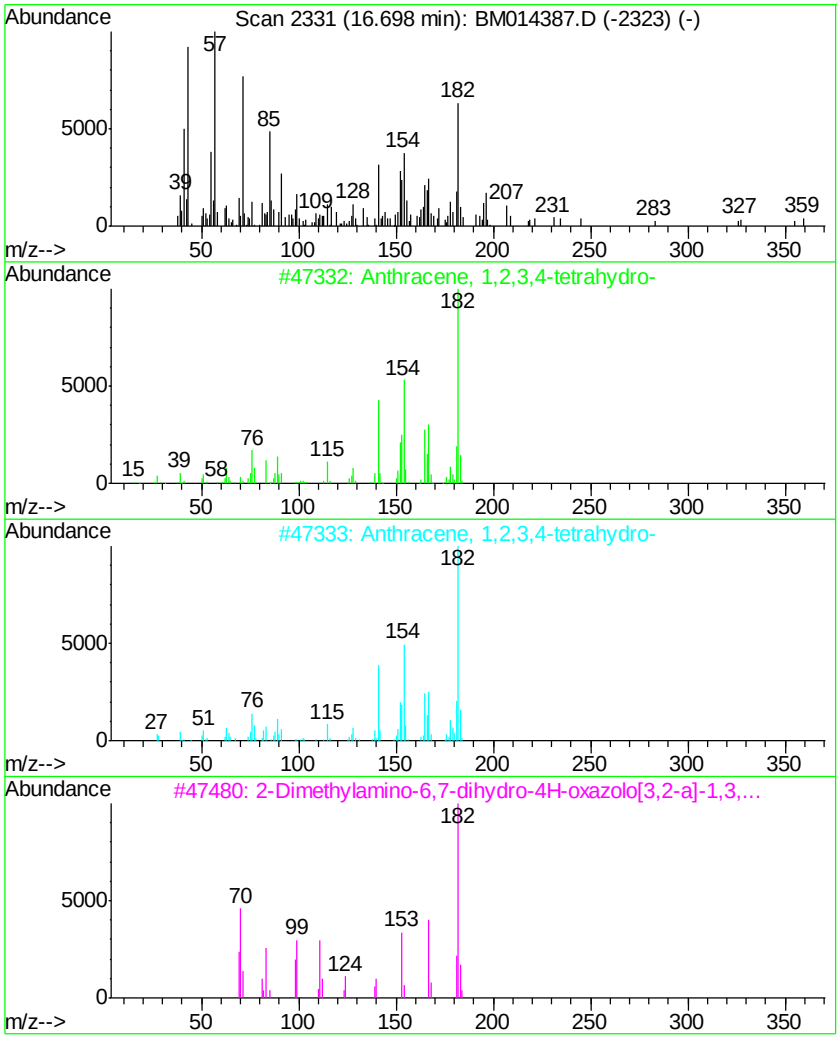
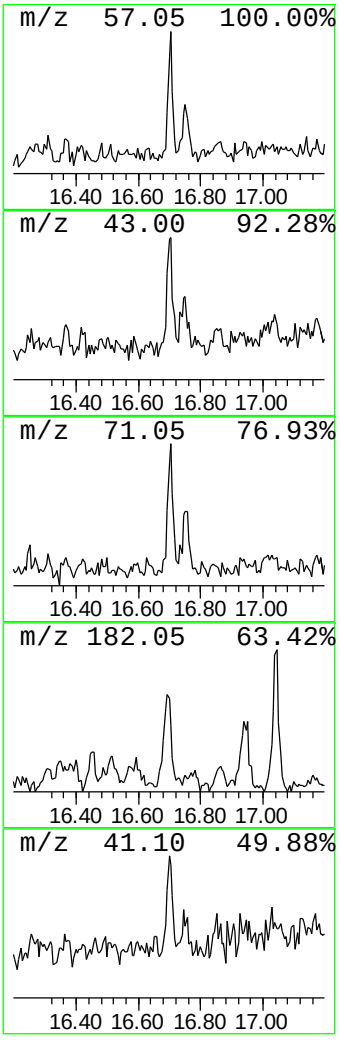
Peak Number 7 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	3.34 ng/ul	257095	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	38
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	38
3	2-Dimethylamino-6,7-dihydro-4H-o...	182	C7H10N4O2	062626-99-7	35
4	Tridecane	184	C13H28	000629-50-5	30
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30





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Quant Title : SVOA CALIBRATION

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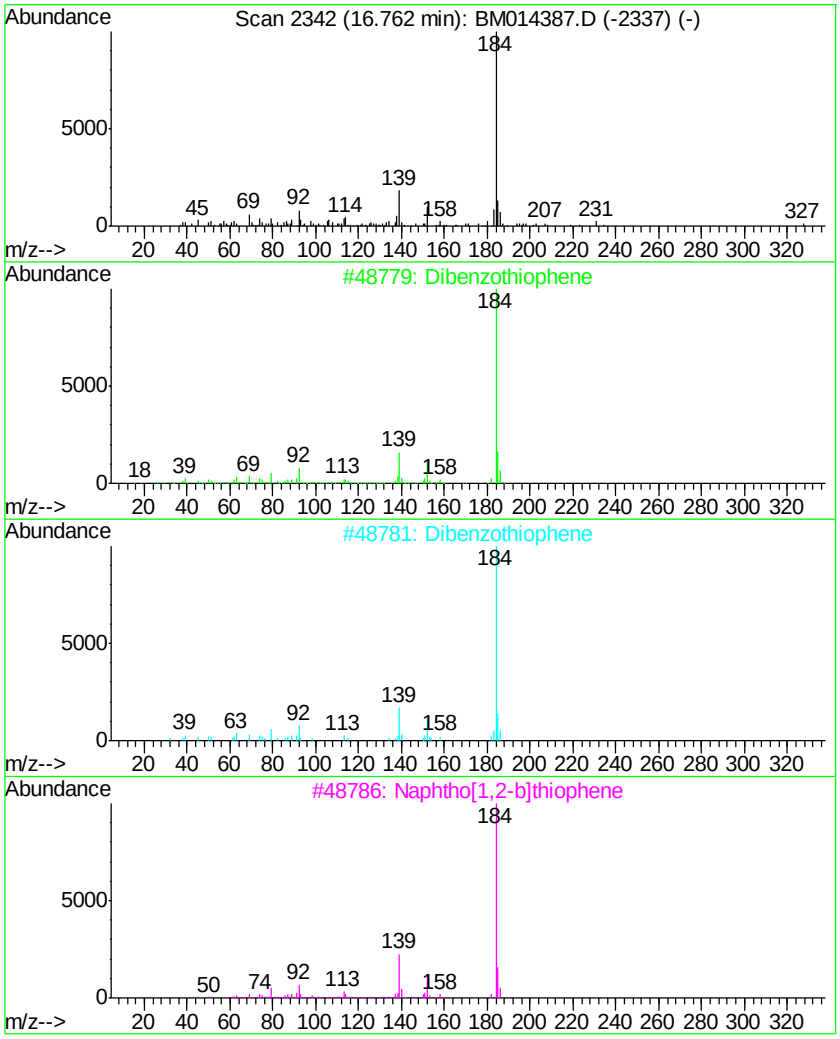
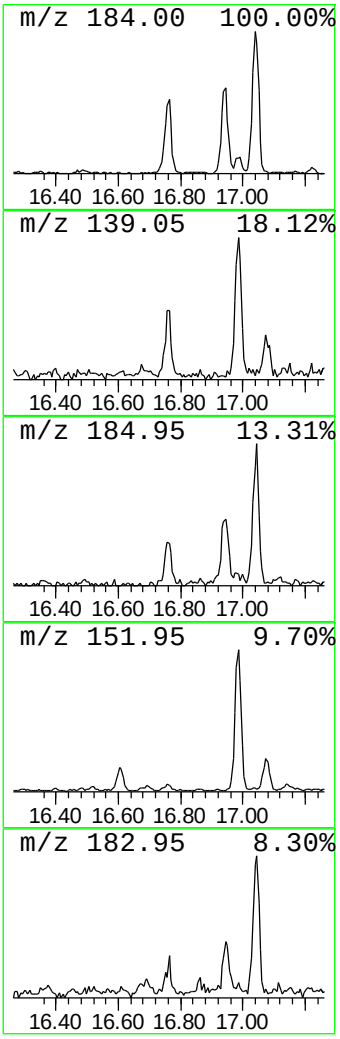
Peak Number 8 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.08 ng/ul	237130	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93





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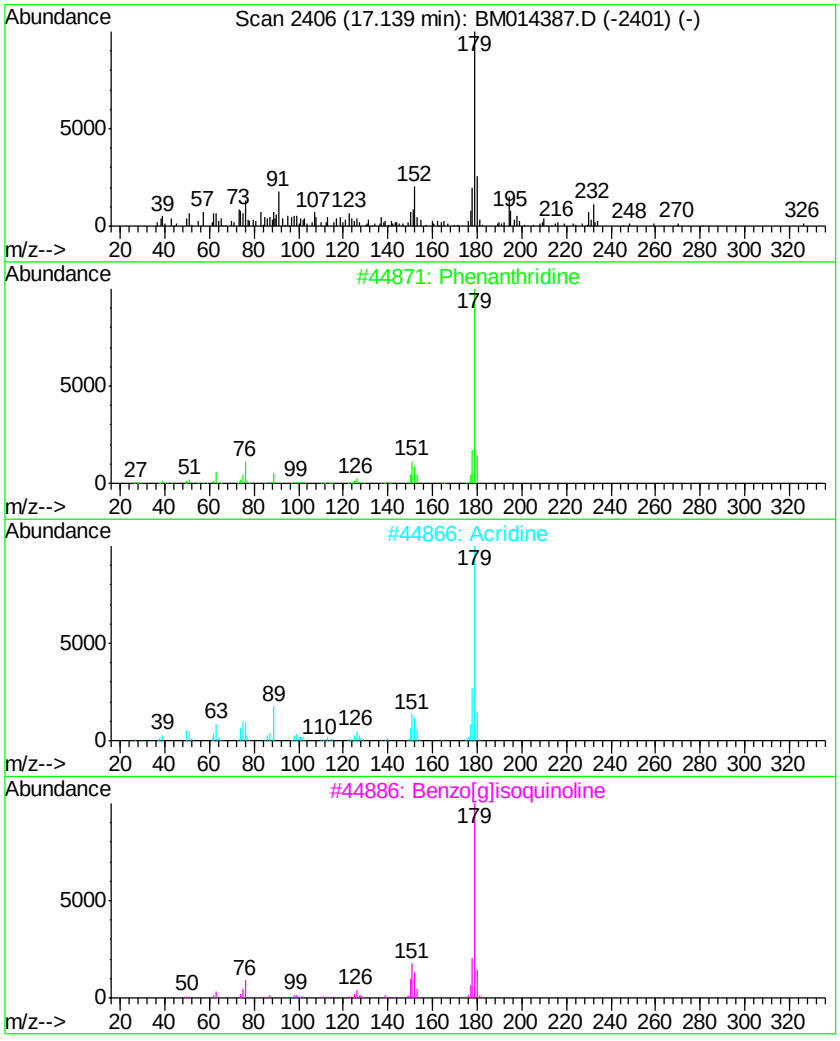
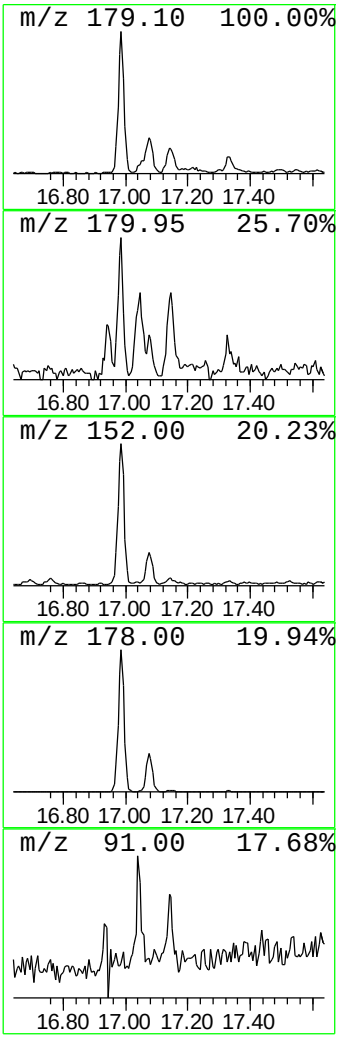
Peak Number 9 Phenanthridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	3.10 ng/ul	238587	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	64
2	Acridine	179	C13H9N	000260-94-6	58
3	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	58
4	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	58
5	Acridine	179	C13H9N	000260-94-6	53





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TIC Library : C:\DATABASE\NIST11.L
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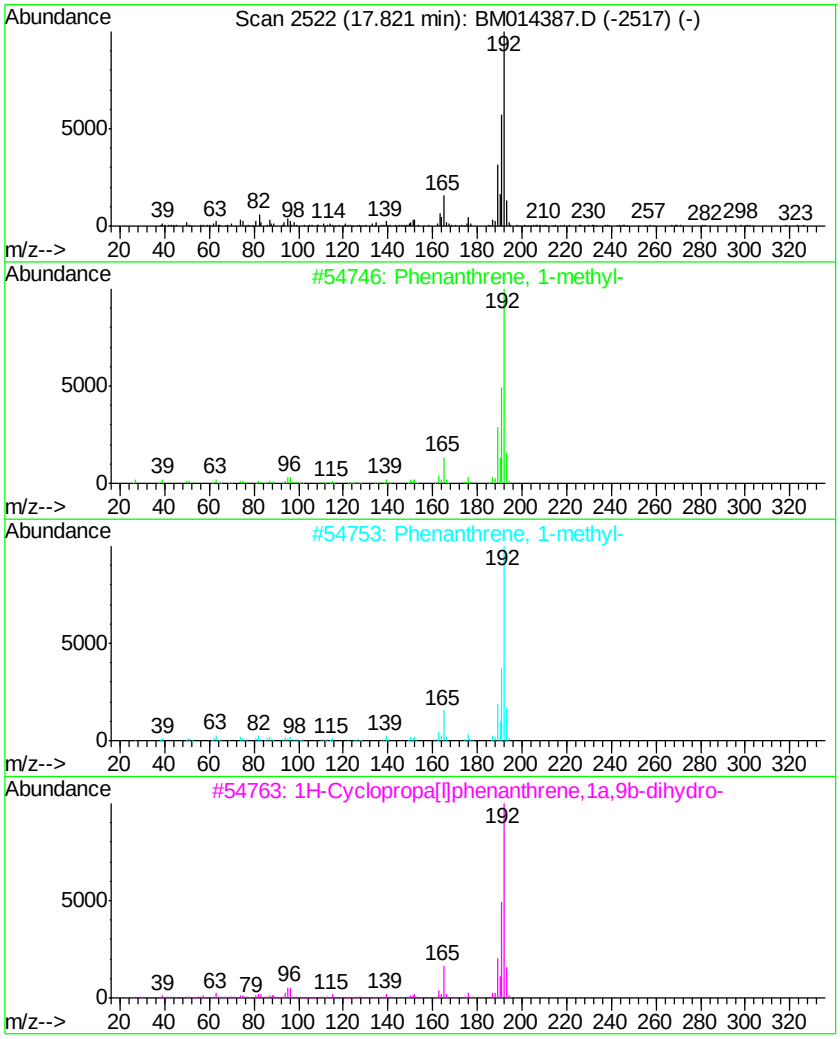
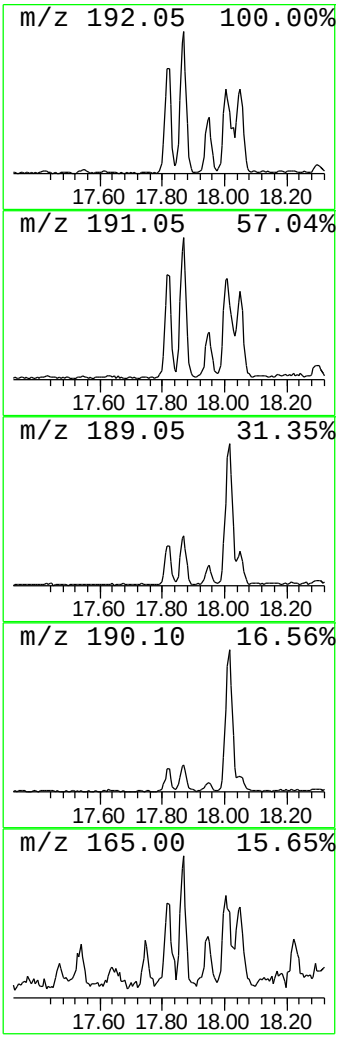
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	6.47 ng/ul	497319	Phenanthrene-d10	16.94

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





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

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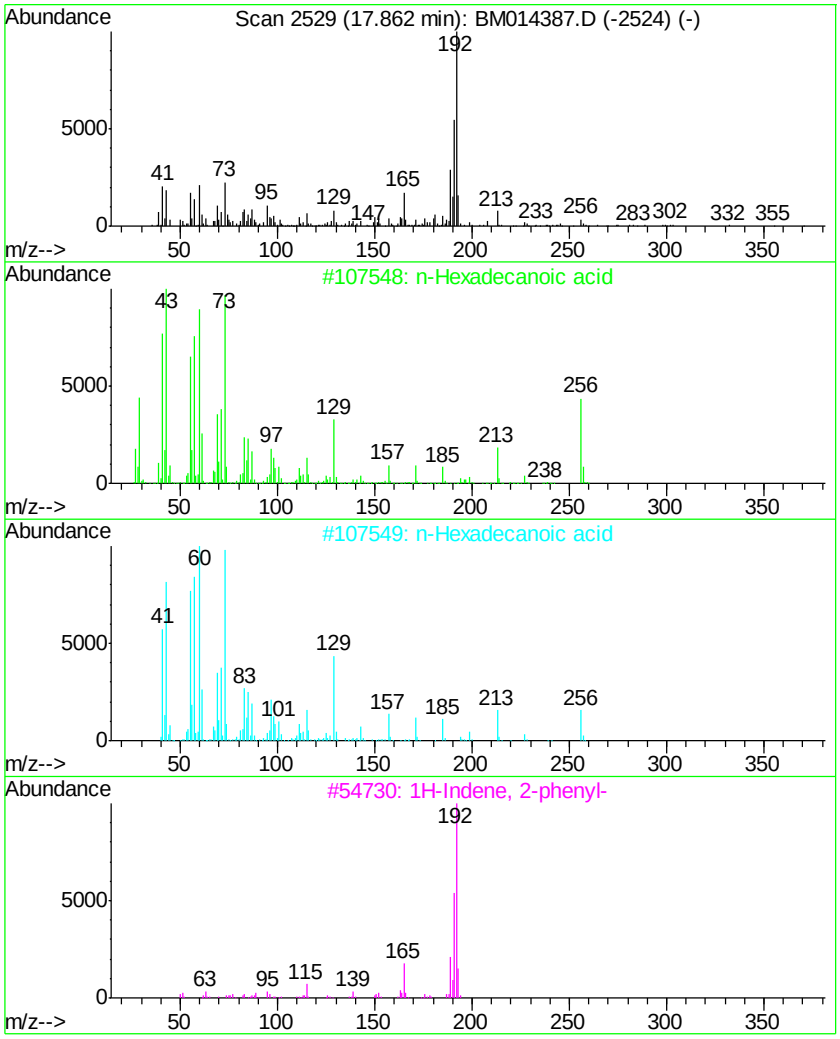
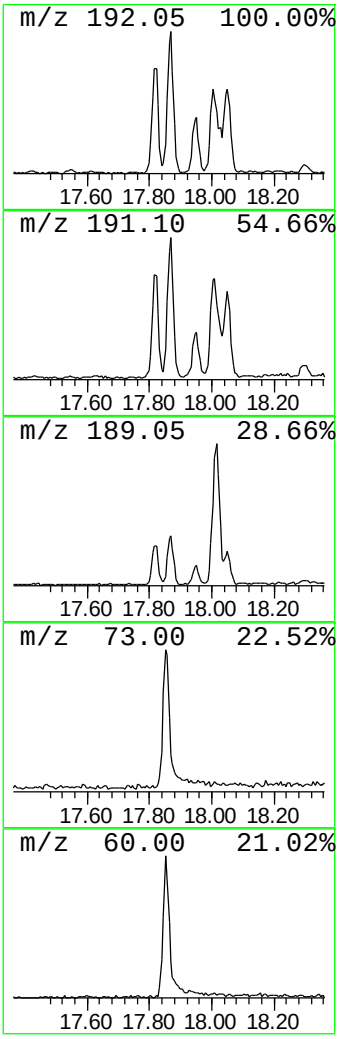
Peak Number 11 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	18.65 ng/ul	1434200	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	84





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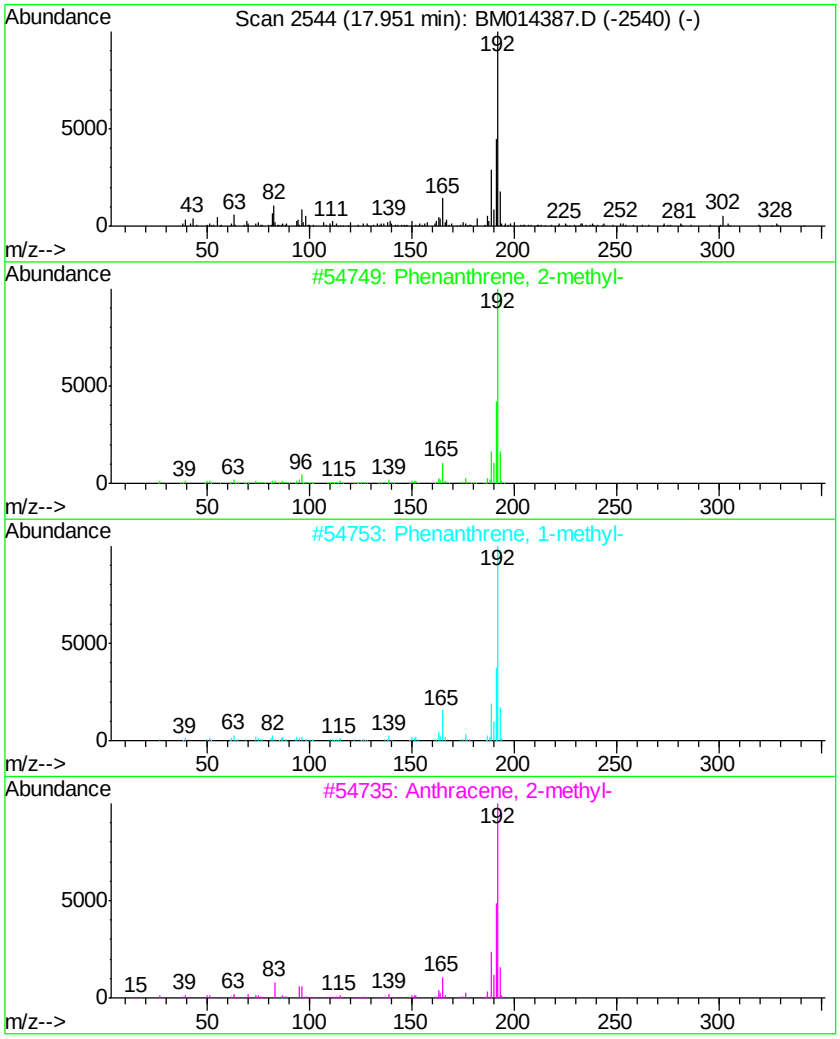
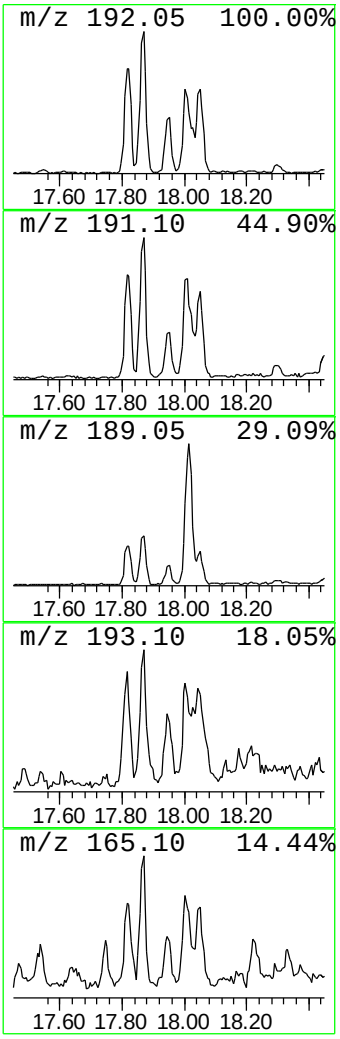
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	4.05 ng/ul	311447	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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

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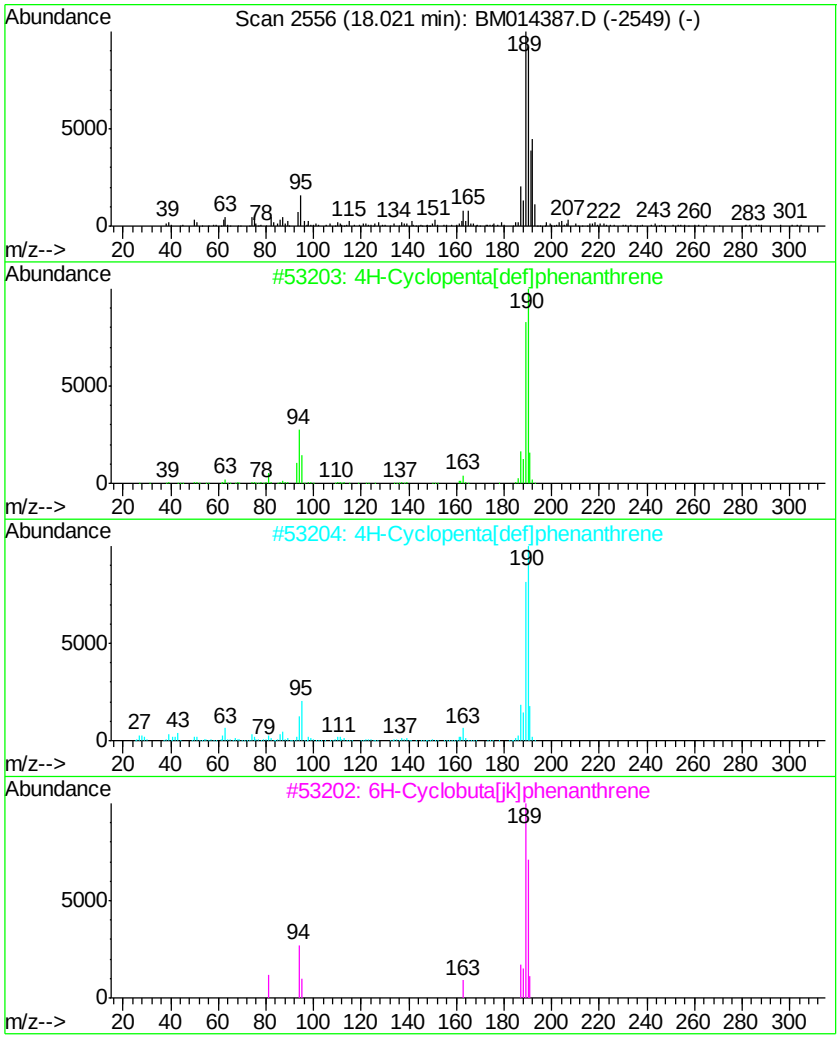
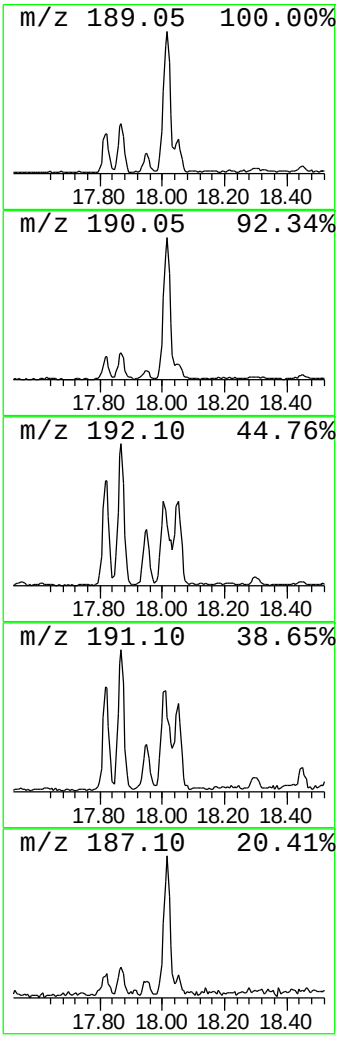
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	13.05 ng/ul	1003560	Phenanthrene-d10	16.94

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	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50





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Quant Title : SVOA CALIBRATION

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

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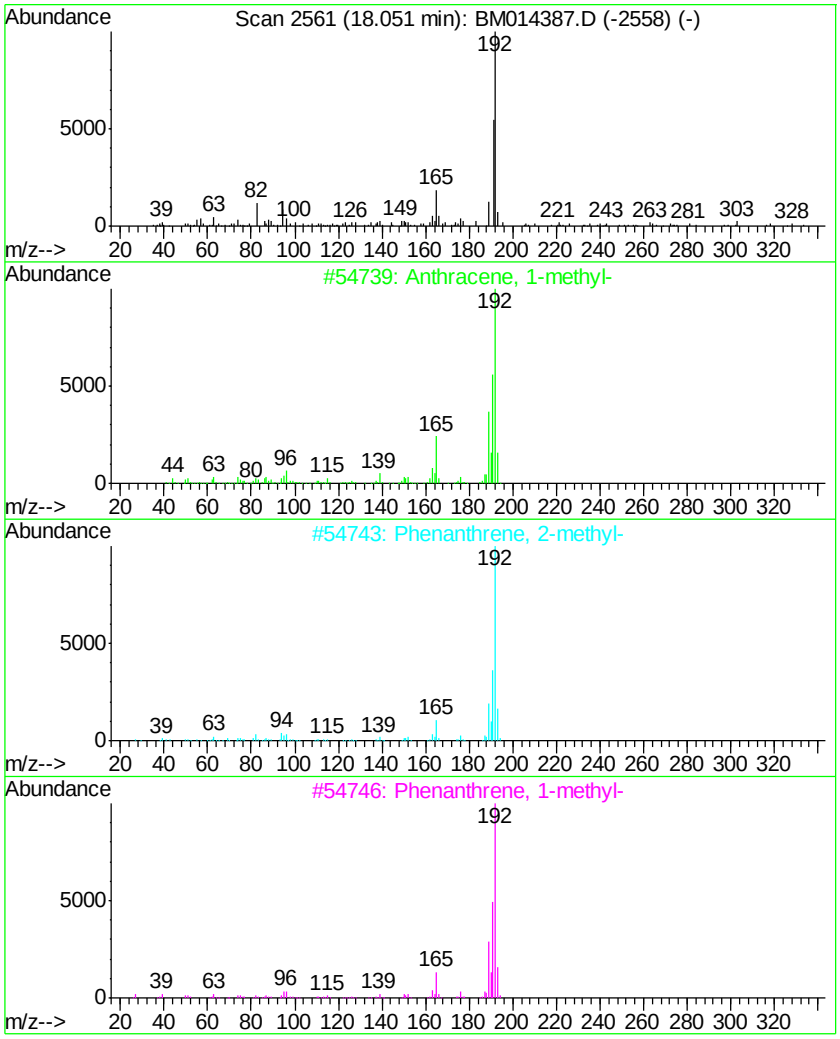
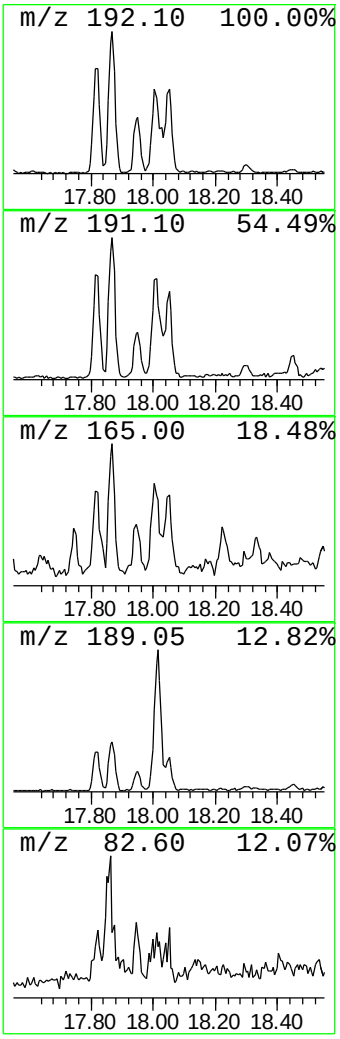
Peak Number 14 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	5.22 ng/ul	401118	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74





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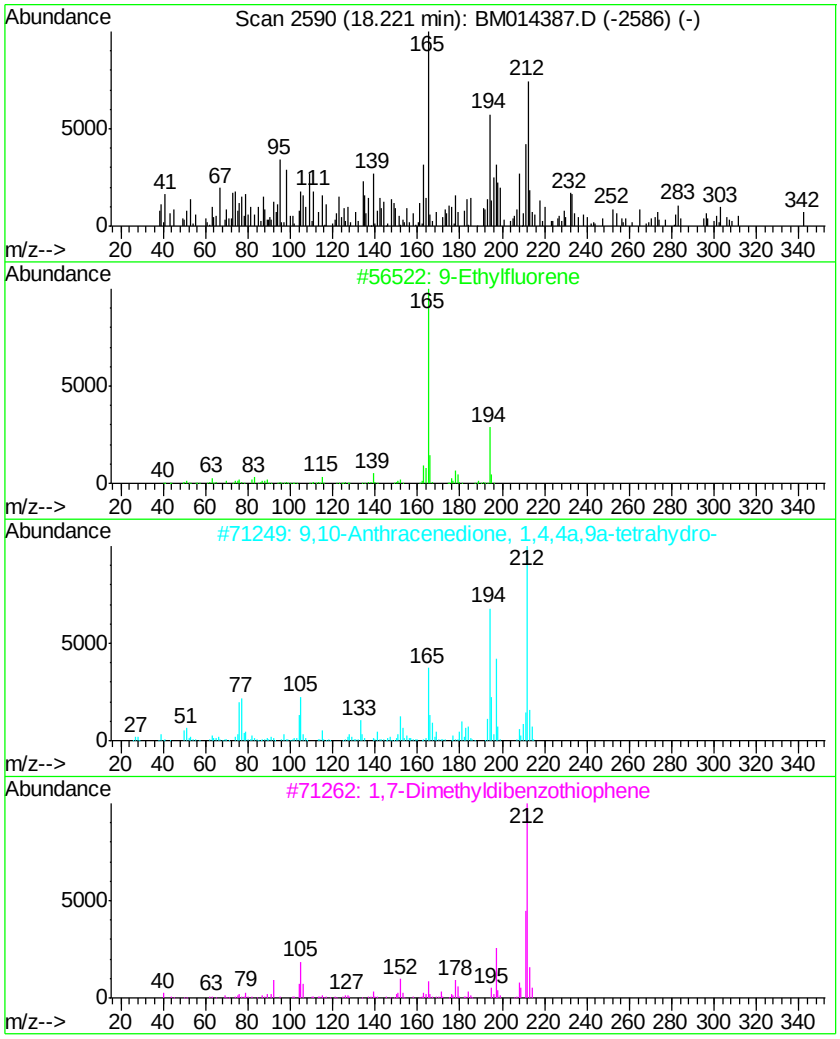
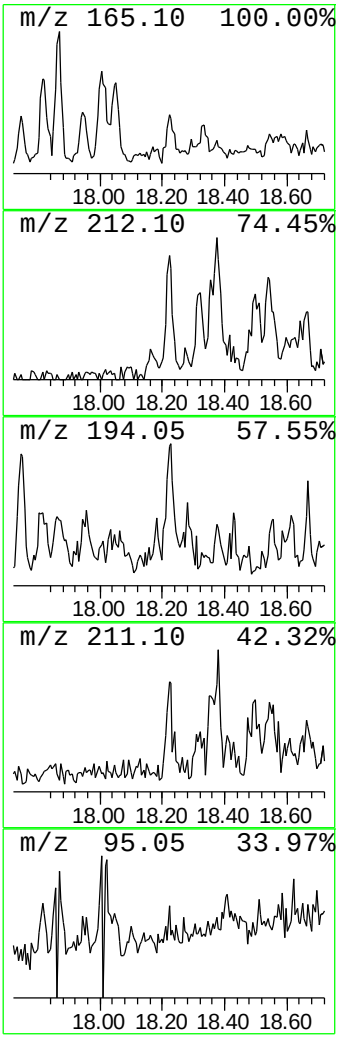
Peak Number 15 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.88 ng/ul	221194	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Ethylfluorene	194	C15H14	002294-82-8	38
2	9,10-Anthracenedione, 1,4,4a,9a-...	212	C14H12O2	056136-14-2	35
3	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	30
4	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	30
5	9H-Fluorene, 2-nitro-	211	C13H9NO2	000607-57-8	30





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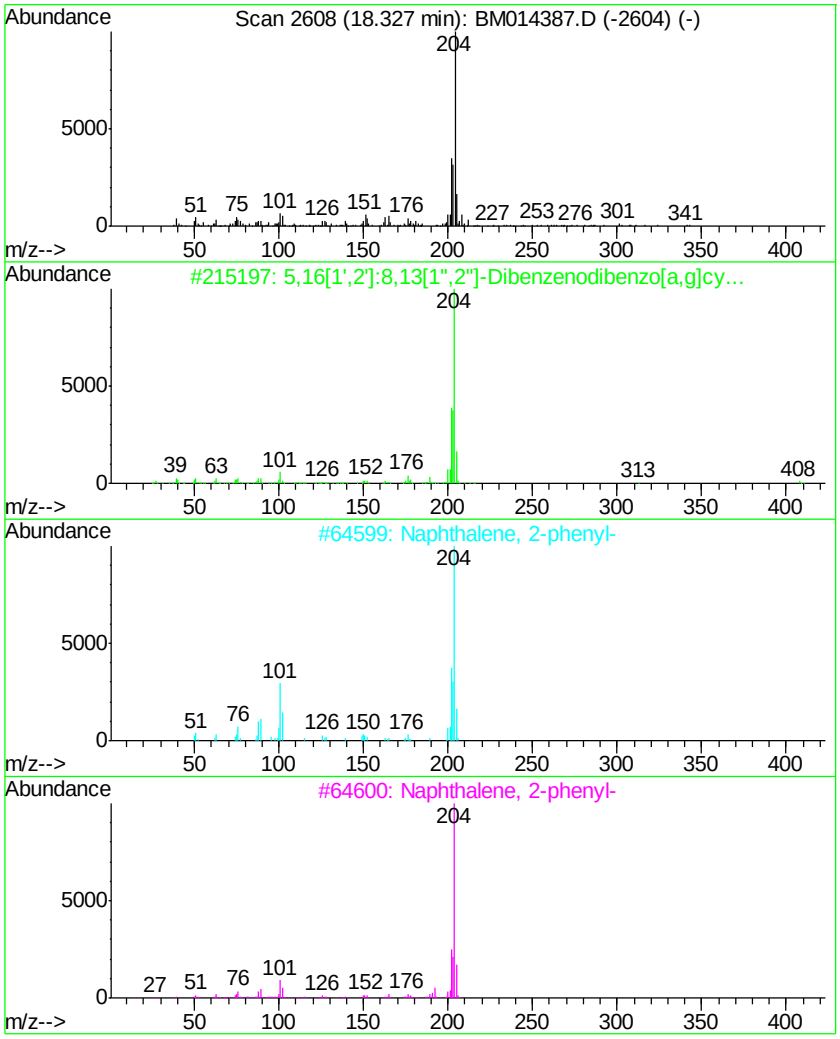
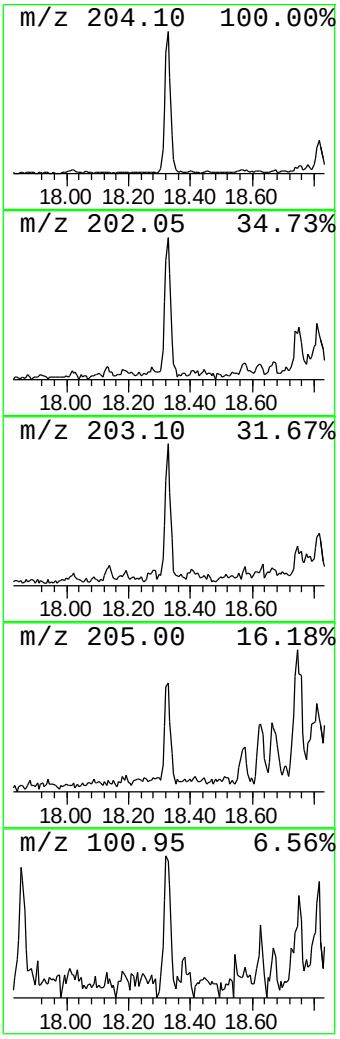
Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.20 ng/ul	323021	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





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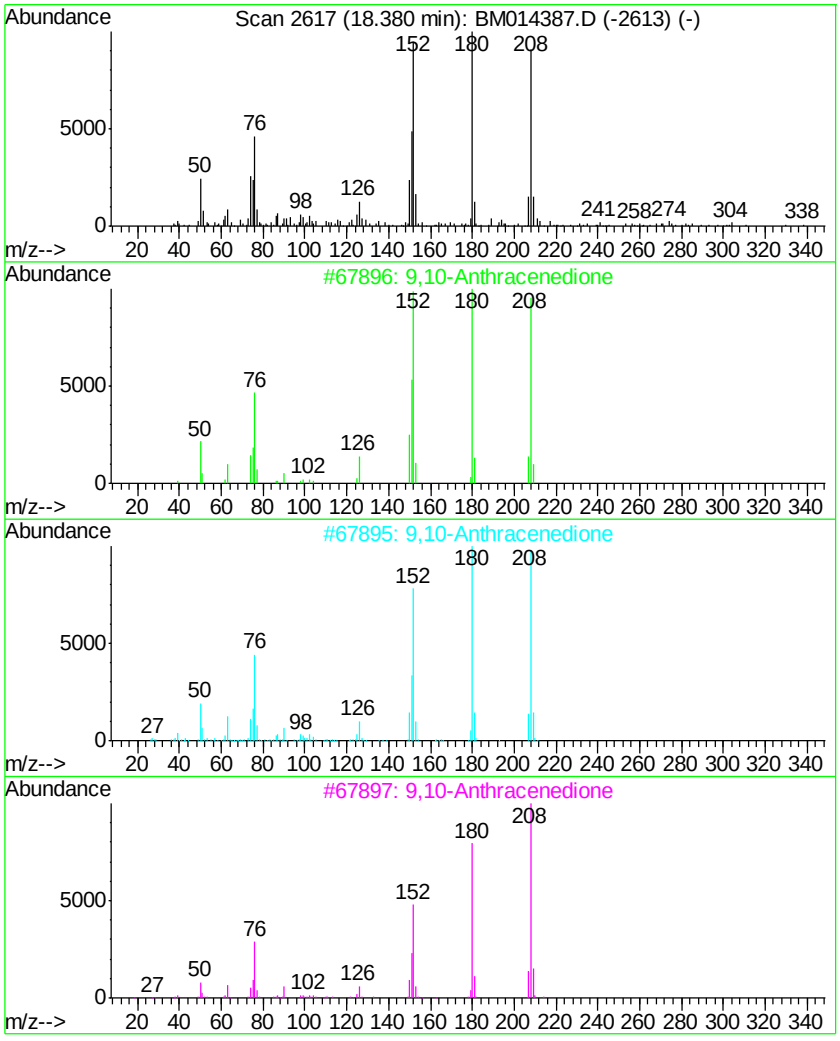
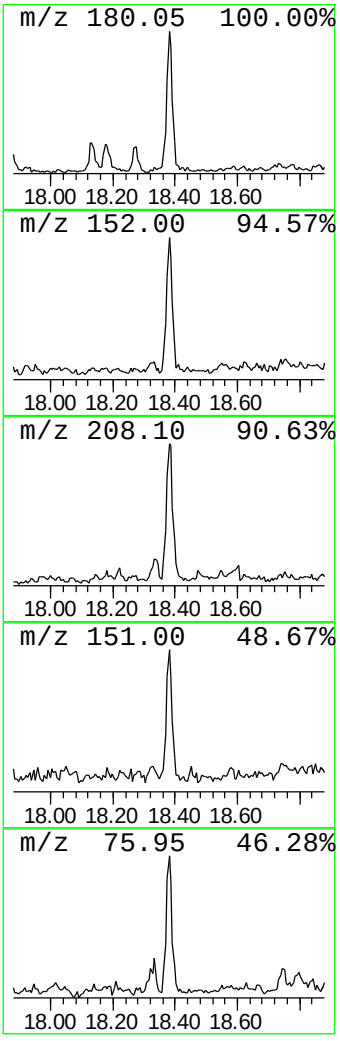
Peak Number 17 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	6.70 ng/ul	515090	Phenanthrene-d10	16.94

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	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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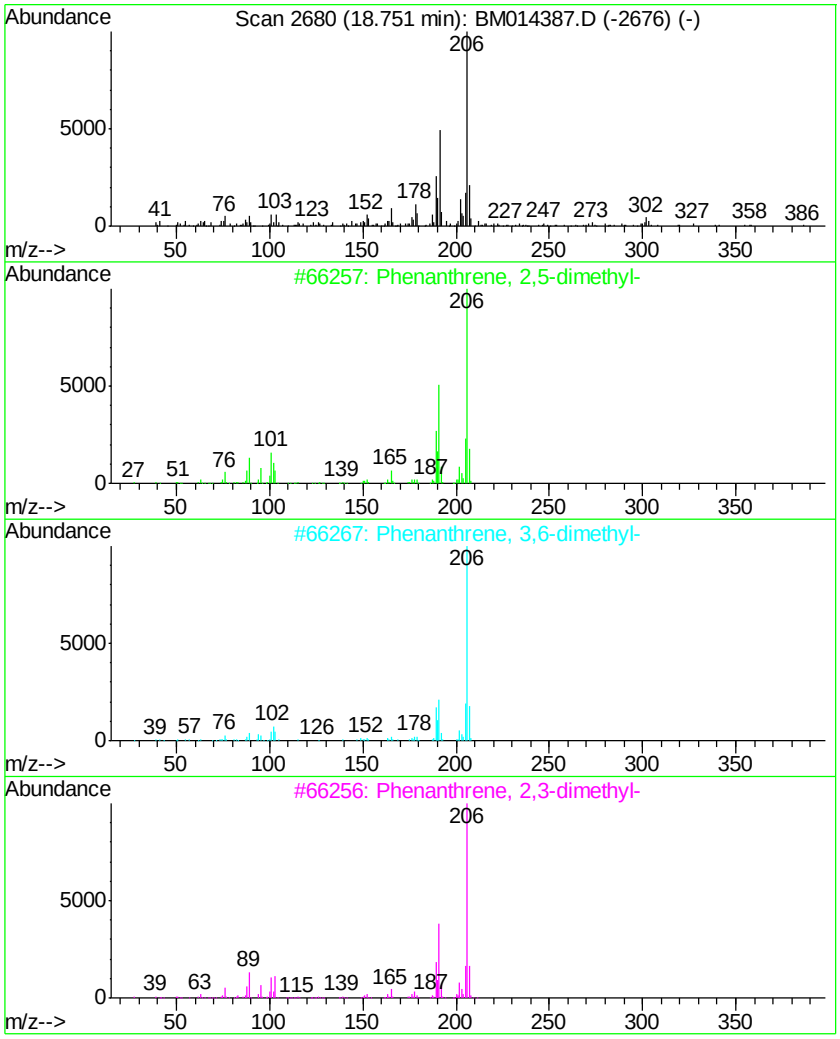
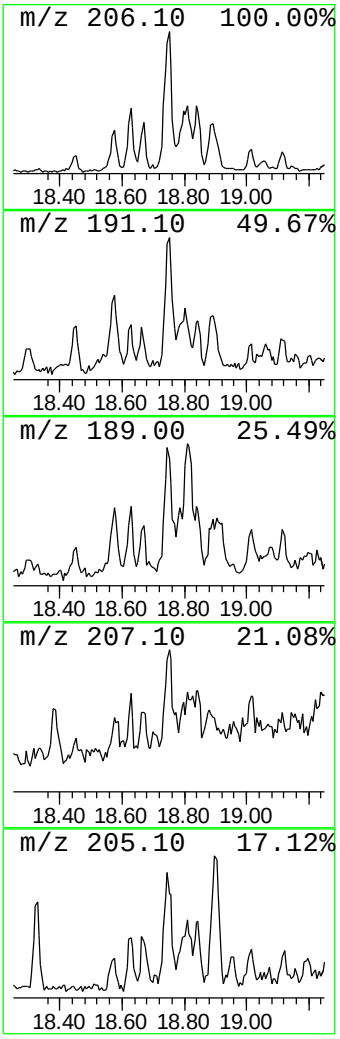
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	4.94 ng/ul	380229	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	005695-17-0	80
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	80





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ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

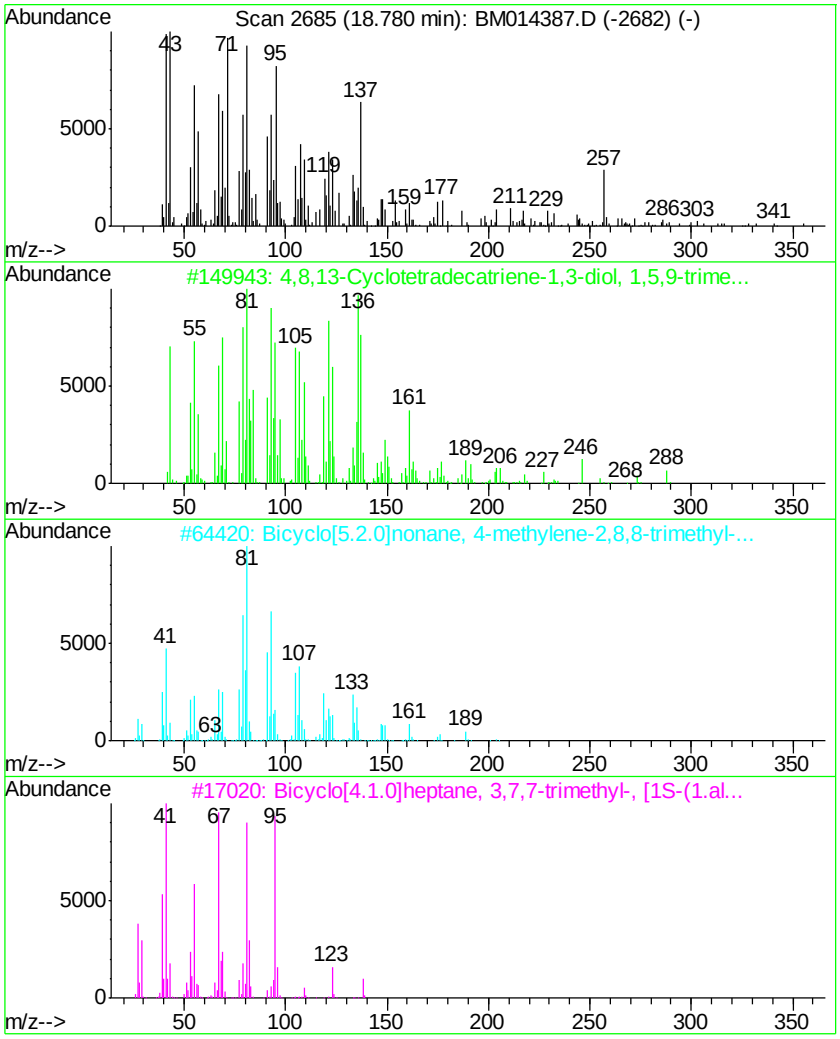
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

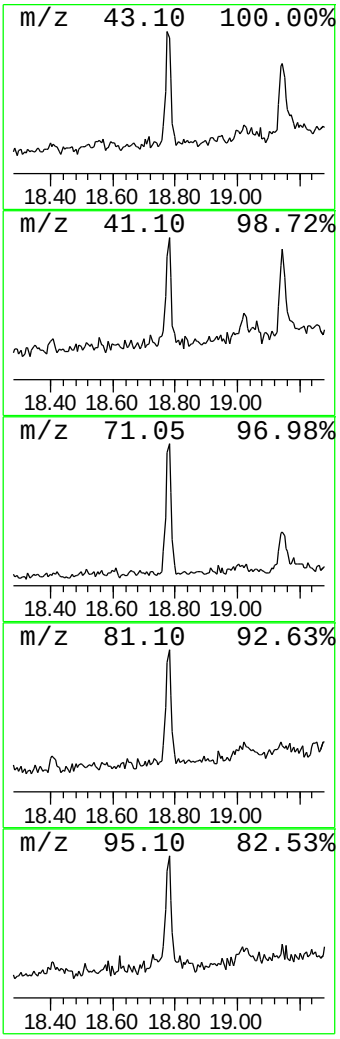
****

Peak Number 19 unknown-04 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	13.97 ng/ul	1074260	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8,13-Cyclotetradecatriene-1,3-...	306	C20H34O2	007220-78-2	45
2	Bicyclo[5.2.0]nonane, 4-methylen...	204	C15H24	1000159-38-2	42
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	42
4	Bicyclo[3.3.1]nonan-9-one, 2,4-d...	211	C11H17NO3	129967-64-2	38
5	p-Menth-2-en-9-ol, trans-	154	C10H18O	1000151-16-0	30





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Acq On : 27 Feb 2018 17:49
Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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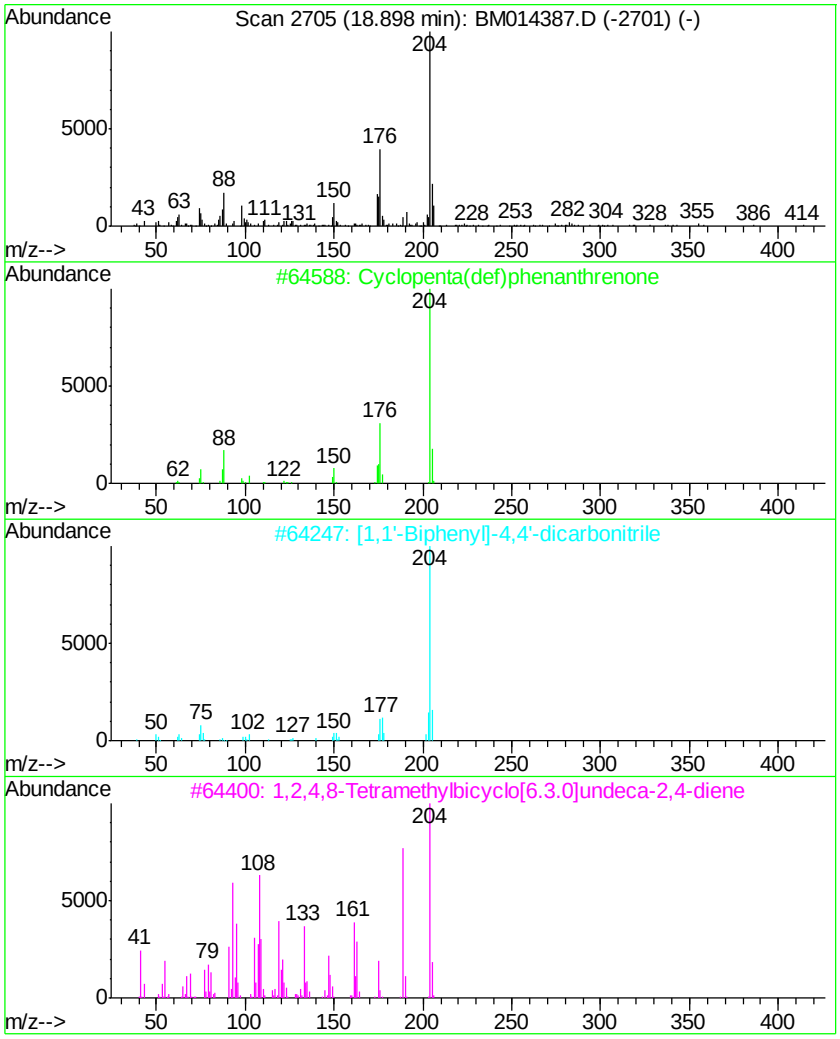
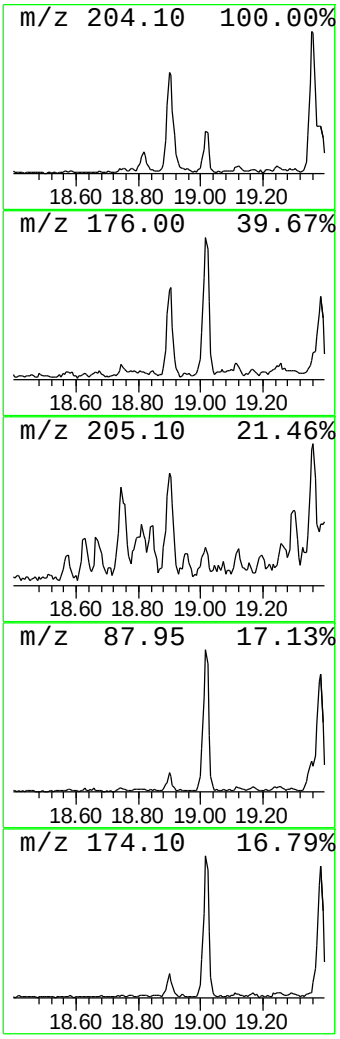
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	6.33 ng/ul	486543	Phenanthrene-d10	16.94

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	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	2,2,4,4,6,6-Hexamethylcyclotrisi...	219	C6H21N3Si3	001009-93-4	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	40





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

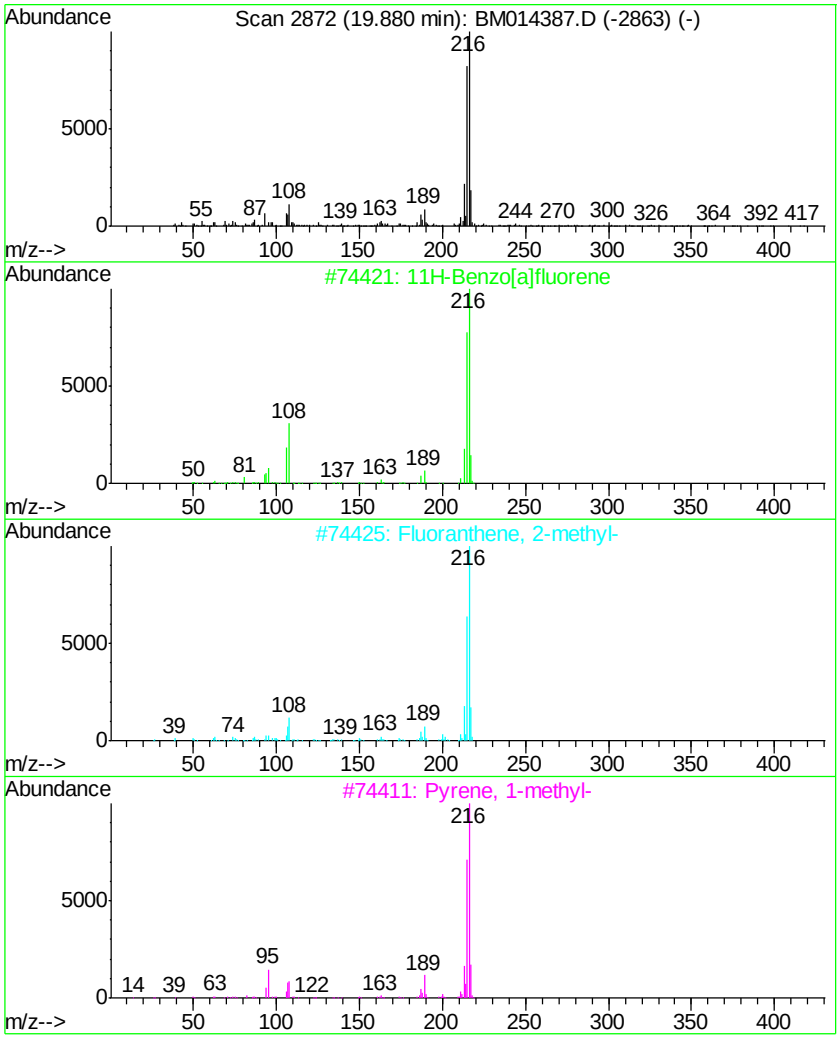
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

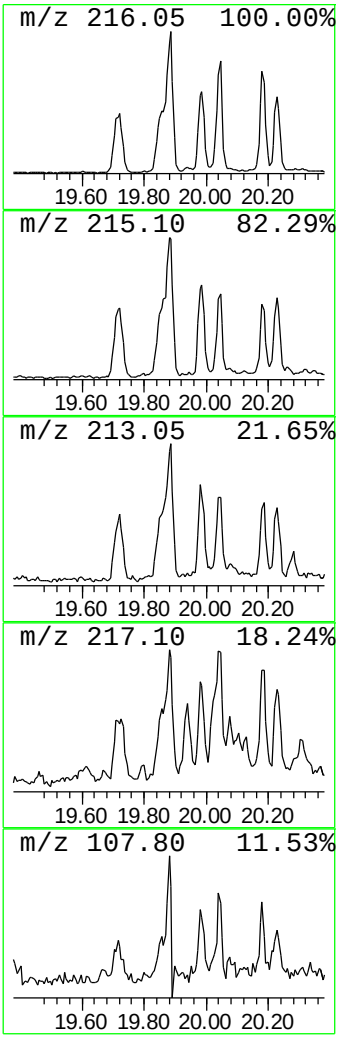
****

Peak Number 21 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	5.18 ng/ul	1716170	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

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

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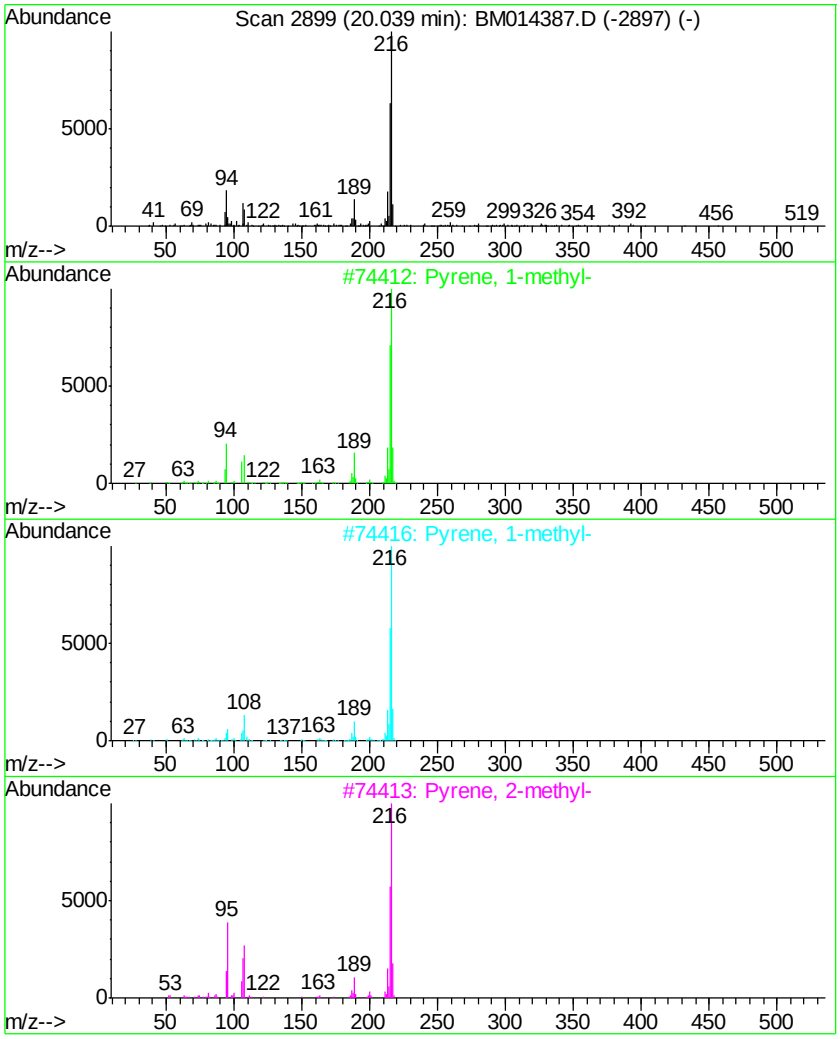
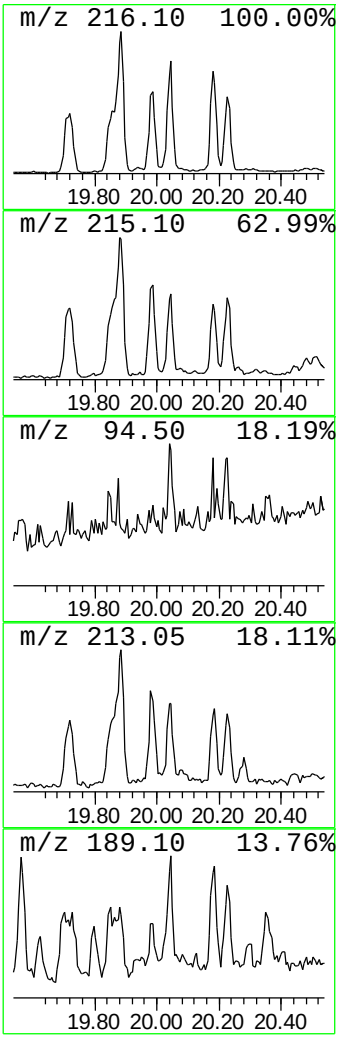
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.03 ng/ul	674590	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	59
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	59





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

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

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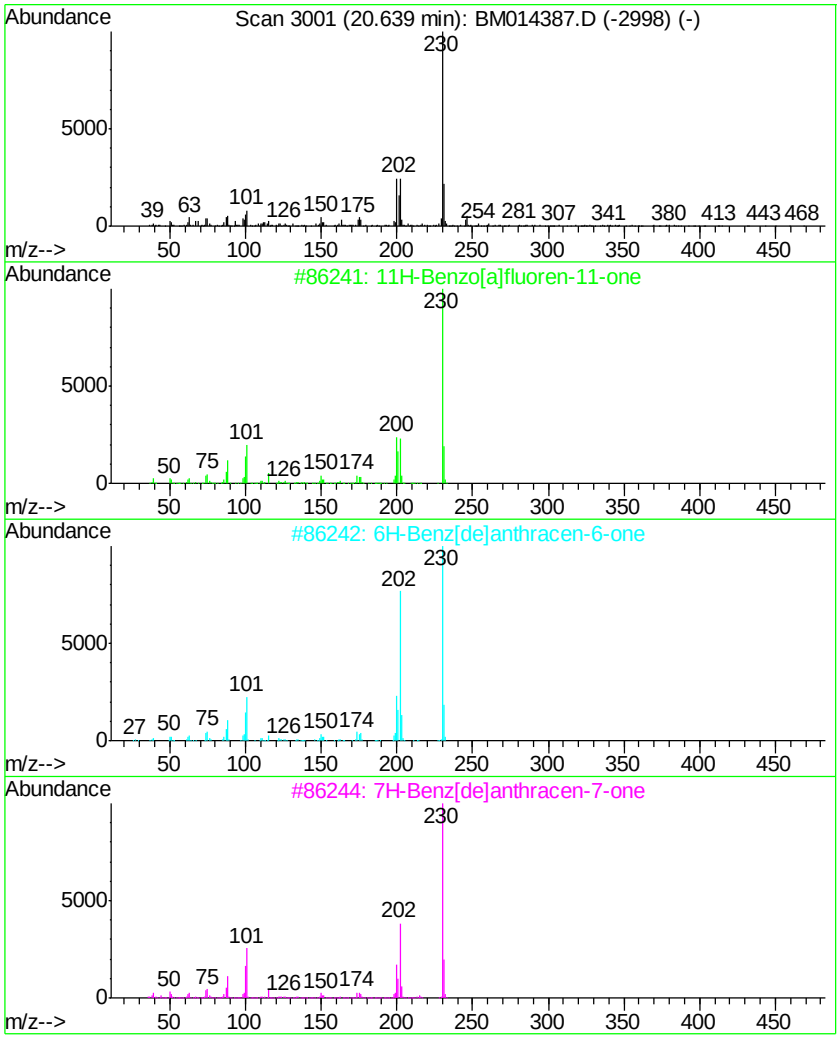
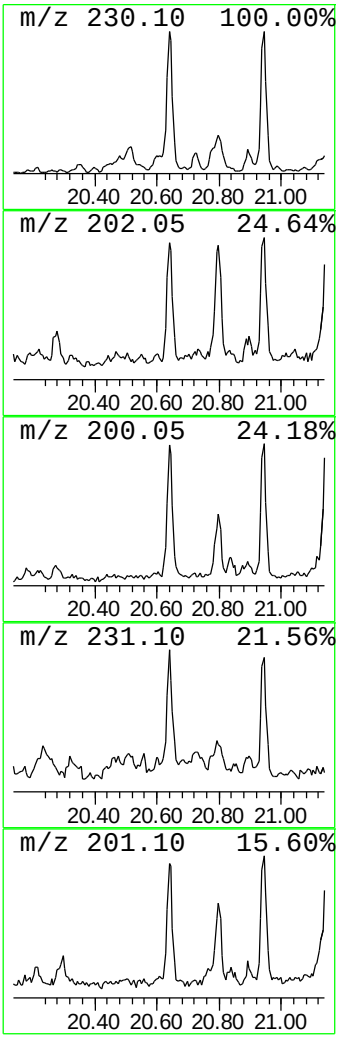
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.47 ng/ul	818505	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59





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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : BE5Z0

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Quant Title : SVOA CALIBRATION

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

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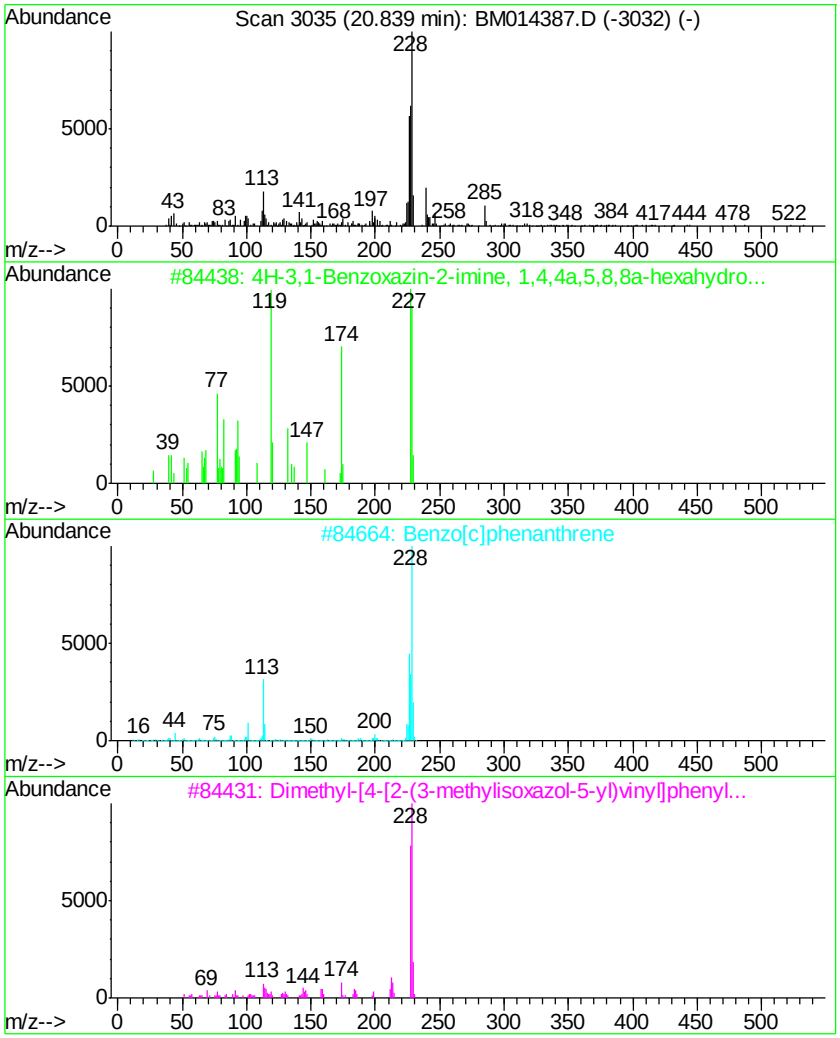
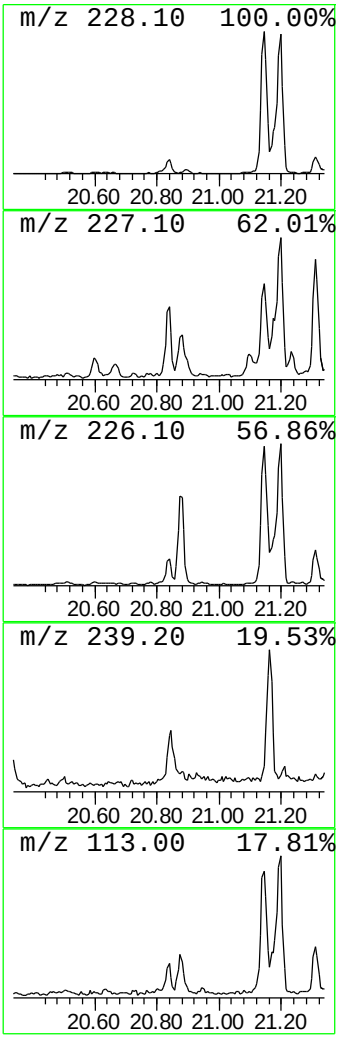
Peak Number 24 unknown-05 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.23 ng/ul	740905	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45
5	9,10-Anthracenedicarbonitrile	228	C16H8N2	001217-45-4	42





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Sample : J1631-09
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Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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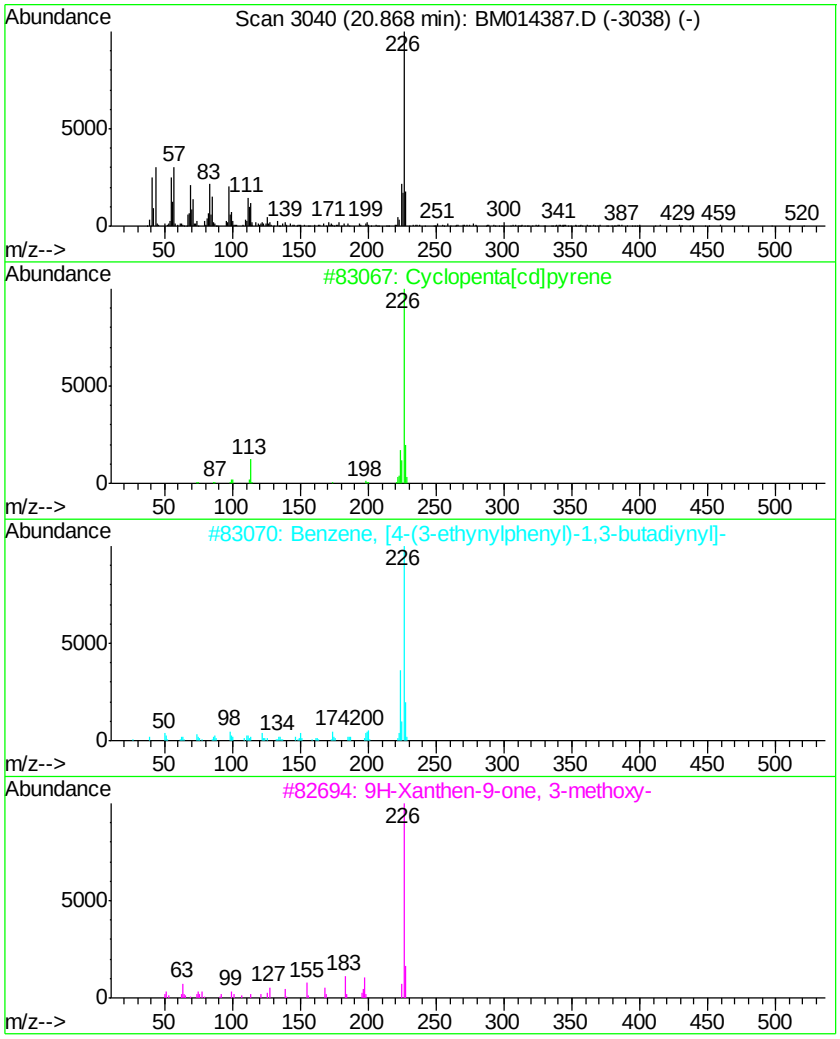
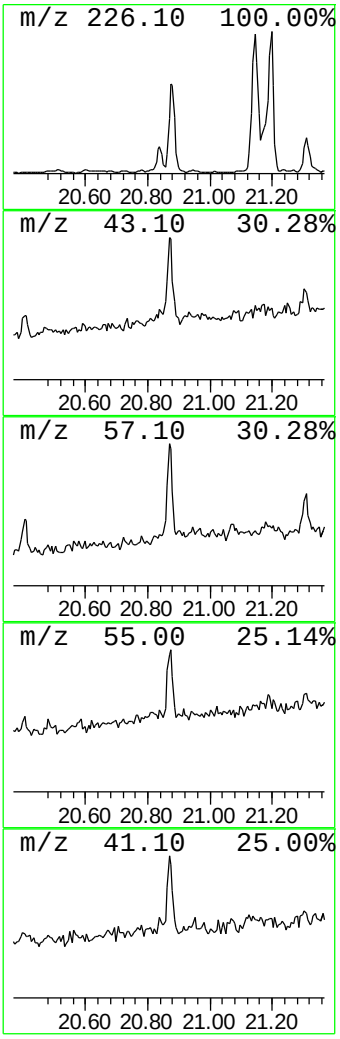
Peak Number 25 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	4.70 ng/ul	1557210	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	64
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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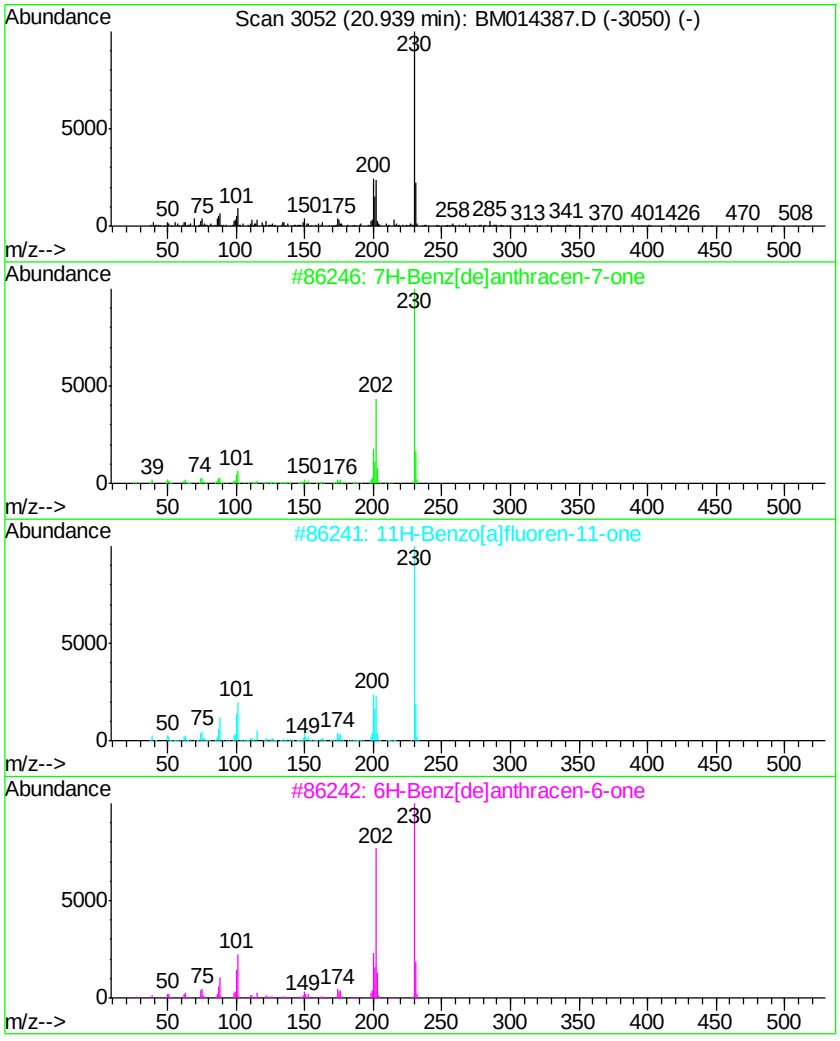
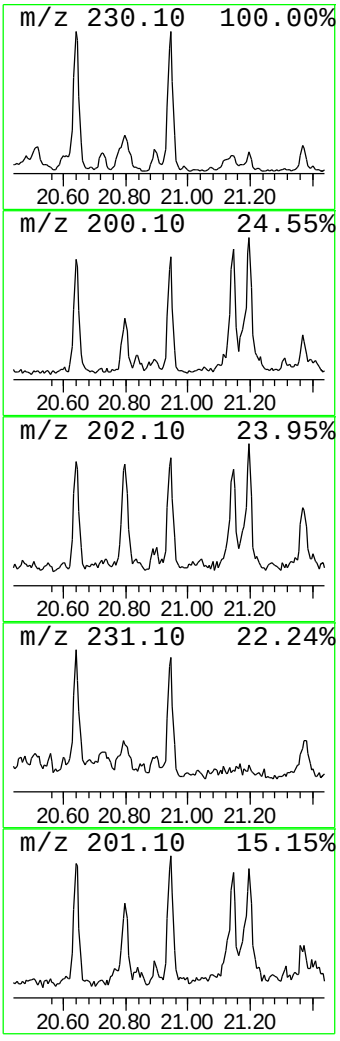
Peak Number 26 7H-Benz[de]anthracen-7-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.83 ng/ul	936975	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62





Library Search Compound Report

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Sample : J1631-09
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Quant Title : SVOA CALIBRATION

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

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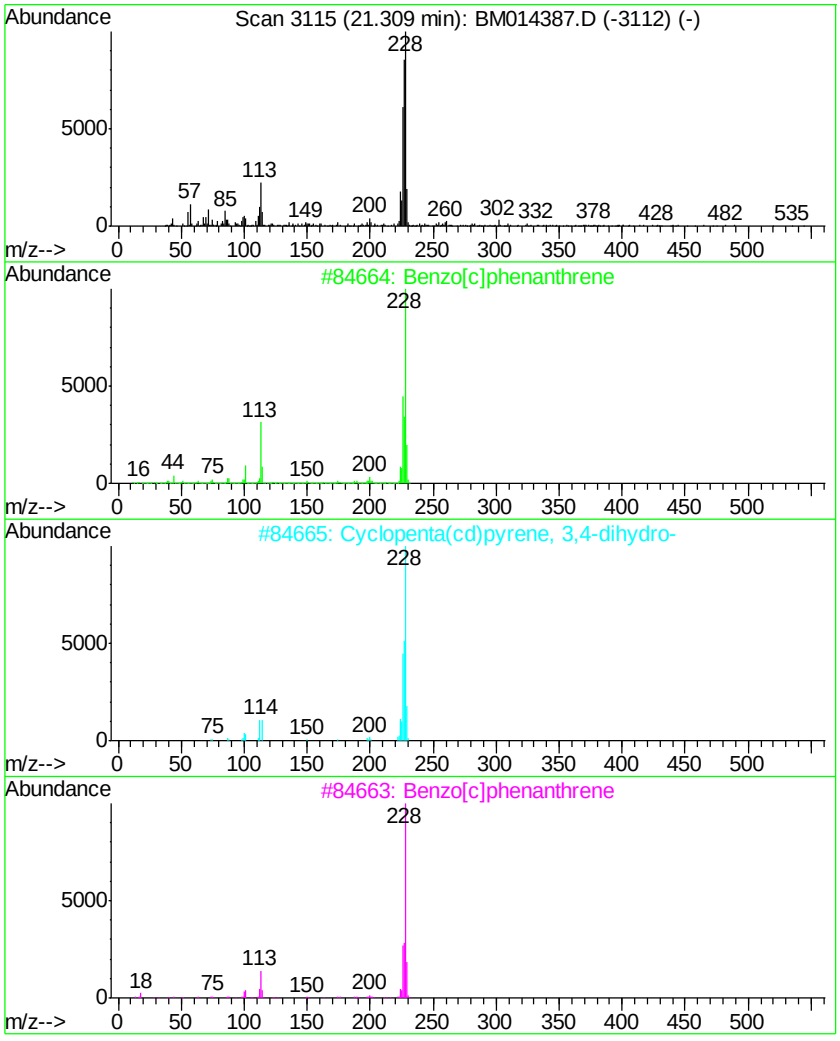
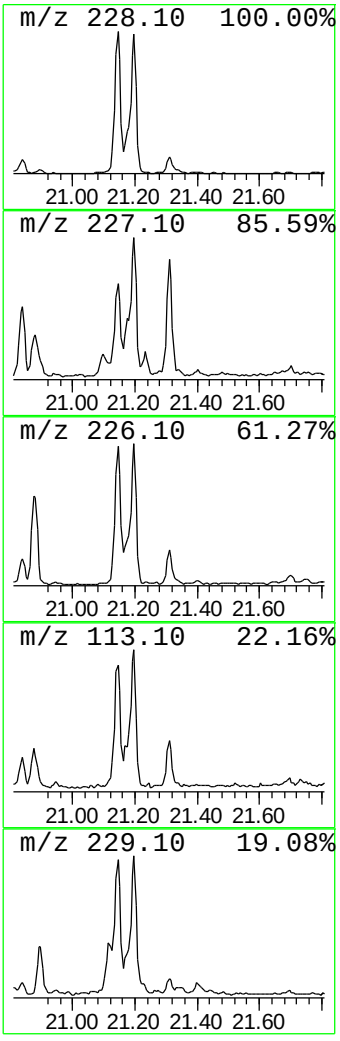
Peak Number 27 Benzo[c]phenanthrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.76 ng/ul	914984	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Triphenylene	228	C18H12	000217-59-4	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	41





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Sample : J1631-09
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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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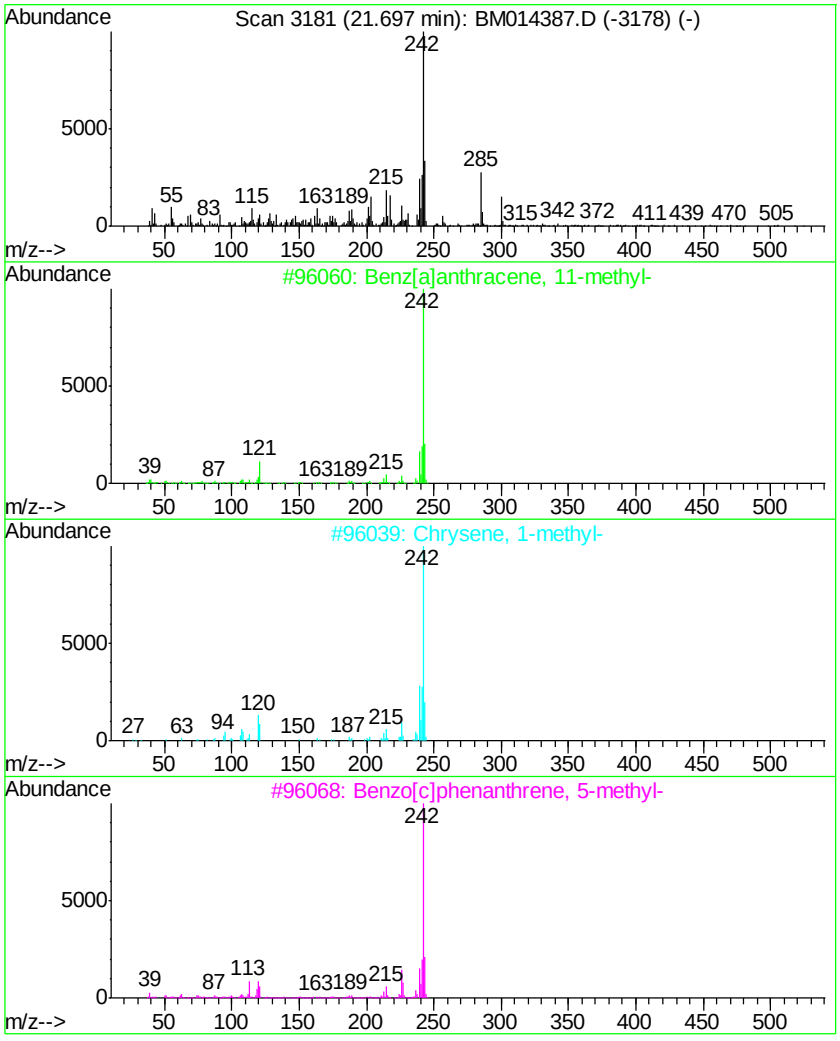
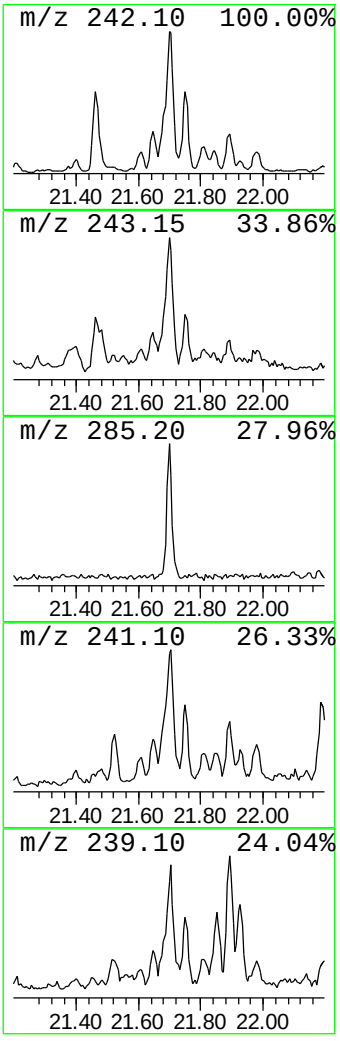
Peak Number 28 Benz[a]anthracene, 11-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	4.34 ng/ul	1440250	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	78
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	78
3	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	64
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	60
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	60





Library Search Compound Report

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Sample : J1631-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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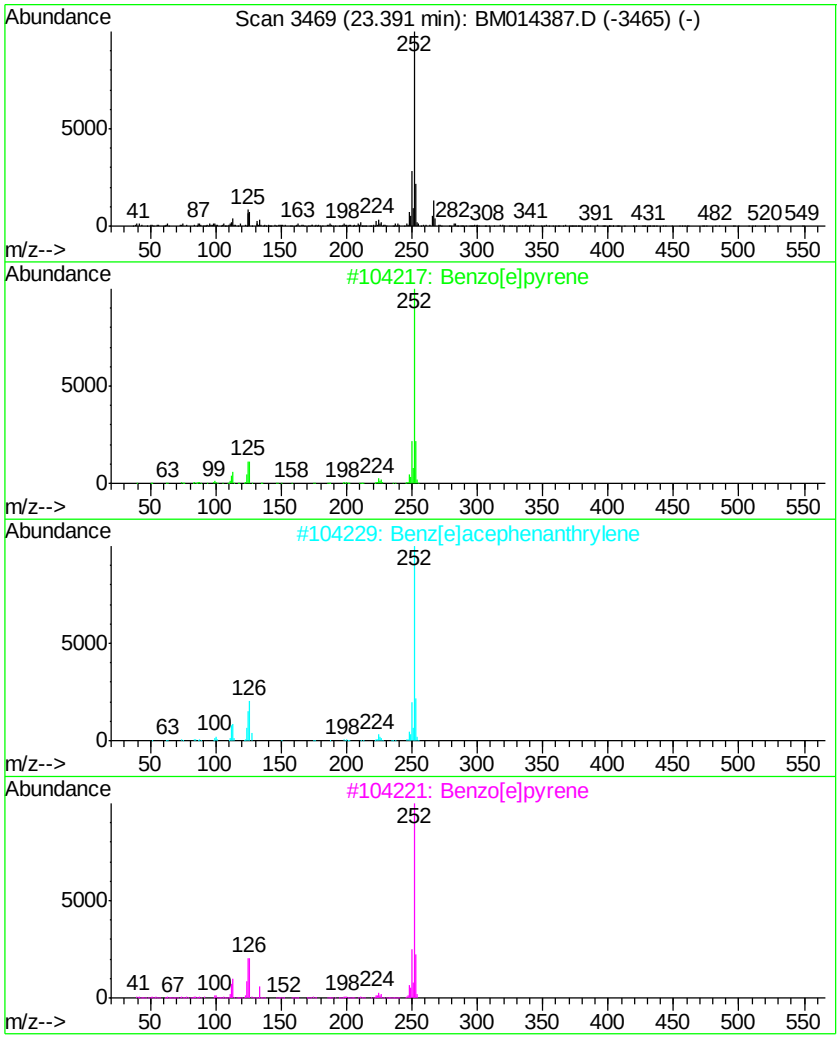
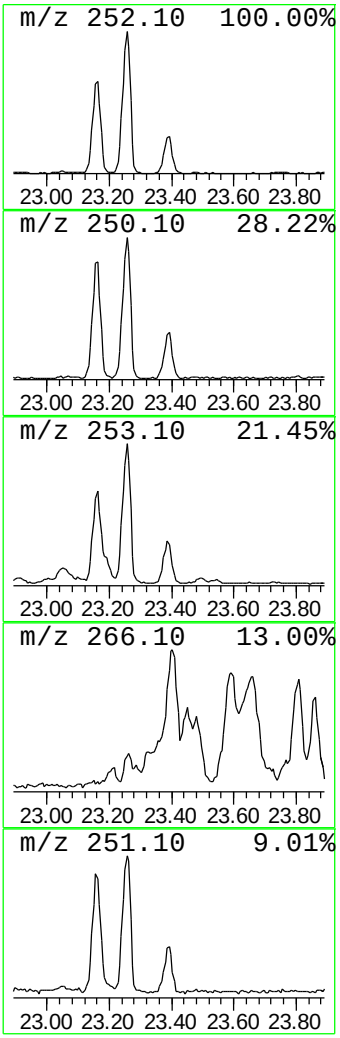
Peak Number 30 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.39	20.00 ng/ul	2145530	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	86
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86
5	Perylene	252	C20H12	000198-55-0	86





Tentatively Identified Compound (LSC) summary

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Data File : BM014387.D
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Operator : SJ/JU
Sample : J1631-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	4.68	3.1	ng/ul	119855	1	7.52	774146	20.0
Benzene, 1-methyl...	7.65	3.6	ng/ul	138337	1	7.52	774146	20.0
(DEL) Alkane: Str...	15.04	3.4	ng/ul	238645	3	14.18	1404010	20.0
(DEL) Alkane: Str...	15.91	2.3	ng/ul	173753	4	16.94	1538010	20.0
Benzenamine, 2-ch...	16.12	2.9	ng/ul	223383	4	16.94	1538010	20.0
9H-Fluoren-9-one	16.60	2.9	ng/ul	223077	4	16.94	1538010	20.0
unknown-02	16.70	3.3	ng/ul	257095	4	16.94	1538010	20.0
Dibenzothiophene	16.76	3.1	ng/ul	237130	4	16.94	1538010	20.0
Phenanthridine	17.14	3.1	ng/ul	238587	4	16.94	1538010	20.0
Phenanthrene, 1-m...	17.82	6.5	ng/ul	497319	4	16.94	1538010	20.0
n-Hexadecanoic acid	17.86	18.6	ng/ul	1434200	4	16.94	1538010	20.0
Phenanthrene, 2-m...	17.95	4.0	ng/ul	311447	4	16.94	1538010	20.0
4H-Cyclopenta[def...	18.02	13.1	ng/ul	1003560	4	16.94	1538010	20.0
Anthracene, 1-met...	18.05	5.2	ng/ul	401118	4	16.94	1538010	20.0
unknown-03	18.22	2.9	ng/ul	221194	4	16.94	1538010	20.0
5,16[1',2']:8,13[...	18.33	4.2	ng/ul	323021	4	16.94	1538010	20.0
9,10-Anthracenedione	18.38	6.7	ng/ul	515090	4	16.94	1538010	20.0
Phenanthrene, 2,5...	18.75	4.9	ng/ul	380229	4	16.94	1538010	20.0
unknown-04	18.78	14.0	ng/ul	1074260	4	16.94	1538010	20.0
Cyclopenta(def)ph...	18.90	6.3	ng/ul	486543	4	16.94	1538010	20.0
11H-Benzo[a]fluorene	19.88	5.2	ng/ul	1716170	5	21.16	6630280	20.0
Pyrene, 1-methyl-	20.04	2.0	ng/ul	674590	5	21.16	6630280	20.0
11H-Benzo[a]fluor...	20.64	2.5	ng/ul	818505	5	21.16	6630280	20.0
unknown-05	20.84	2.2	ng/ul	740905	5	21.16	6630280	20.0
Cyclopenta[cd]pyrene	20.87	4.7	ng/ul	1557210	5	21.16	6630280	20.0
7H-Benz[de]anthra...	20.94	2.8	ng/ul	936975	5	21.16	6630280	20.0
Benzo[c]phenanthrene	21.31	2.8	ng/ul	914984	5	21.16	6630280	20.0
Benz[a]anthracene...	21.70	4.3	ng/ul	1440250	5	21.16	6630280	20.0
Benzo[e]pyrene	23.39	20.0	ng/ul	2145530	6	23.34	2145530	20.0