LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012189.D
Acq On : 15 Oct 2017 02:30
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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-BM101217.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	6.981	653	662	678	rBV	611389	1125536	17.62%	1.462%
2	7.140	683	689	702	rBV	482393	786703	12.32%	1.022%
3	7.340	716	723	732	rBV	706825	1195335	18.72%	1.552%
4	7.810	796	803	818	rVB	616924	1014650	15.89%	1.318%
5	8.528	918	925	936	rBV	739687	1371793	21.48%	1.782%
6	8.981	995	1002	1018	rBV	681516	1214093	19.01%	1.577%
7	9.698	1117	1124	1139	rBV	626809	1149796	18.00%	1.493%
8	10.239	1209	1216	1238	rBV	954032	1826109	28.59%	2.372%
9	10.616	1273	1280	1286	rBV	894322	1516127	23.74%	1.969%
10	10.757	1296	1304	1331	rBV	434944	971618	15.21%	1.262%
11	12.280	1557	1563	1577	rVB	70793	124717	1.95%	0.162%
12	13.786	1812	1819	1823	rBV2	46139	84538	1.32%	0.110%
13	13.869	1823	1833	1838	rVV	1964225	2943781	46.09%	3.823%
14	13.916	1838	1841	1850	rVV	625721	847074	13.26%	1.100%
15	14.157	1876	1882	1897	rBV	2424402	3548483	55.56%	4.609%
16	14.463	1923	1934	1941	rBV2	1451151	2313015	36.21%	3.004%
17	14.527	1941	1945	1952	rVB	94907	153421	2.40%	0.199%
18	14.686	1964	1972	1984	rBV	444880	956103	14.97%	1.242%
19	14.863	1994	2002	2011	rBV3	97896	251062	3.93%	0.326%
20	15.292	2070	2075	2080	rVB3	71097	108469	1.70%	0.141%
21	15.457	2094	2103	2109	rBV	2944570	4340264	67.95%	5.637%
22	15.510	2109	2112	2122	rVB	106412	168567	2.64%	0.219%
23	15.598	2122	2127	2137	rBV	644394	1012317	15.85%	1.315%
24	15.692	2137	2143	2152	rVB8	53922	147025	2.30%	0.191%
25	15.804	2157	2162	2168	rVB2	46085	81922	1.28%	0.106%
26	15.951	2183	2187	2194	rVB	37324	72852	1.14%	0.095%
27	16.151	2217	2221	2225	rBV	97293	153020	2.40%	0.199%
28	16.492	2272	2279	2281	rBV3	37361	65086	1.02%	0.085%
29	16.739	2314	2321	2325	rBV6	37470	98403	1.54%	0.128%
30	16.780	2326	2328	2337	rVB5	35067	67181	1.05%	0.087%
31	16.868	2339	2343	2349	rBV	97911	150709	2.36%	0.196%
32	16.945	2351	2356	2362	rBV3	104435	219120	3.43%	0.285%
33	17.027	2367	2370	2377	rVB	88257	132465	2.07%	0.172%
34	17.092	2377	2381	2388	rVB4	62834	96776	1.52%	0.126%

LSC Area Percent Report

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Sample : I5522-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	17.210	2395	2401	2405	rBV2	2020783	2947231	46.14%	3.828%
36	17.251	2405	2408	2413	rVB	1623124	2182043	34.16%	2.834%
37	17.310	2413	2418	2423	rBV	3239403	4540014	71.08%	5.897%
38	17.615	2464	2470	2478	rBV2	124791	261464	4.09%	0.340%
39	17.792	2496	2500	2509	rVB3	55254	118947	1.86%	0.154%
40	18.027	2534	2540	2545	rBV2	155410	254002	3.98%	0.330%
41	18.092	2545	2551	2555	rVV2	1344980	1884962	29.51%	2.448%
42	18.133	2555	2558	2560	rVV	381636	491607	7.70%	0.638%
43	18.162	2560	2563	2568	rVB	474463	579273	9.07%	0.752%
44	18.215	2569	2572	2577	rVB	77521	93581	1.47%	0.122%
45	18.280	2577	2583	2587	rBV2	278655	544806	8.53%	0.708%
46	18.315	2587	2589	2595	rVB	175086	222214	3.48%	0.289%
47	18.386	2597	2601	2606	rBV6	74715	131828	2.06%	0.171%
48	18.439	2607	2610	2614	rBV3	61698	89375	1.40%	0.116%
49	18.586	2630	2635	2639	rBV	196325	305498	4.78%	0.397%
50	18.639	2640	2644	2650	rVB	224804	342541	5.36%	0.445%
51	18.827	2674	2676	2681	rVB2	69463	80413	1.26%	0.104%
52	18.880	2682	2685	2689	rVV	75907	91154	1.43%	0.118%
53	19.004	2701	2706	2709	rBV	198985	306875	4.80%	0.399%
54	19.151	2727	2731	2737	rVB2	143089	211079	3.30%	0.274%
55	19.268	2745	2751	2757	rVB	3016589	4065473	63.65%	5.280%
56	19.368	2764	2768	2774	rBV	1028286	1309346	20.50%	1.701%
57	19.604	2803	2808	2811	rBV	4484024	6387003	100.00%	8.295%
58	19.633	2811	2813	2821	rVB	2457870	2946289	46.13%	3.827%
59	19.703	2821	2825	2833	rBV2	155205	235766	3.69%	0.306%
60	19.809	2840	2843	2848	rVB	123895	172444	2.70%	0.224%
61	19.951	2863	2867	2868	rBV2	148271	195169	3.06%	0.253%
62	20.427	2945	2948	2951	rBV	123411	166298	2.60%	0.216%
63	20.874	3021	3024	3030	rVB	307753	380562	5.96%	0.494%
64	21.074	3055	3058	3062	rVB	591422	688995	10.79%	0.895%
65	21.392	3105	3112	3115	rBV2	2705986	4967872	77.78%	6.452%
66	21.427	3115	3118	3128	rVB	1325447	1761361	27.58%	2.288%
67	23.003	3382	3386	3399	rVB	1205397	3263288	51.09%	4.238%
68	23.556	3475	3480	3485	rVB2	1540424	2590993	40.57%	3.365%
69	23.703	3500	3505	3510	rVB	1070412	1876430	29.38%	2.437%

Sum of corrected areas: 76994326

LSC Report - Integrated Chromatogram

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Misc :
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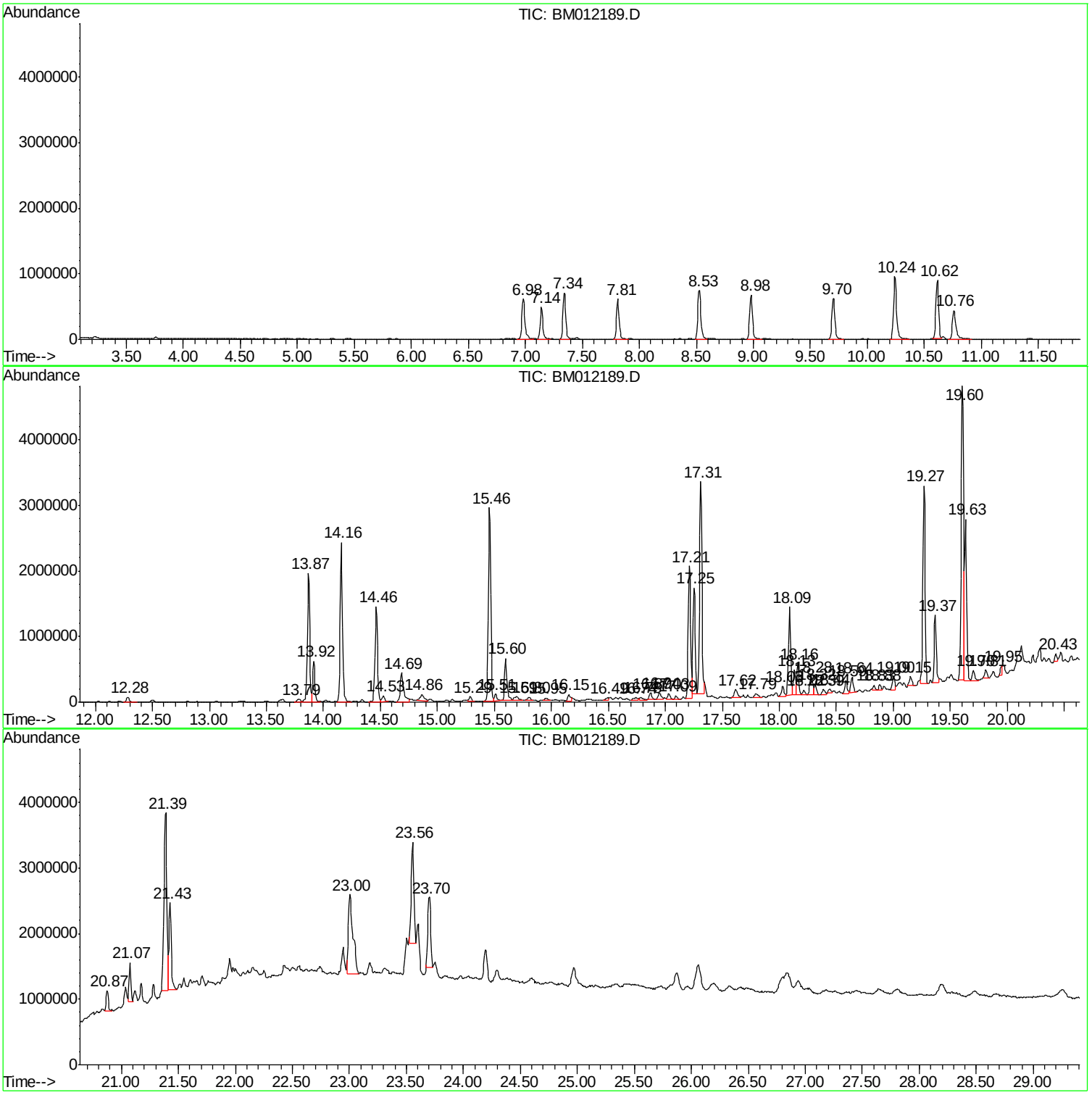
Instrument :
BNA_M
ClientSampleId :
C0AD0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

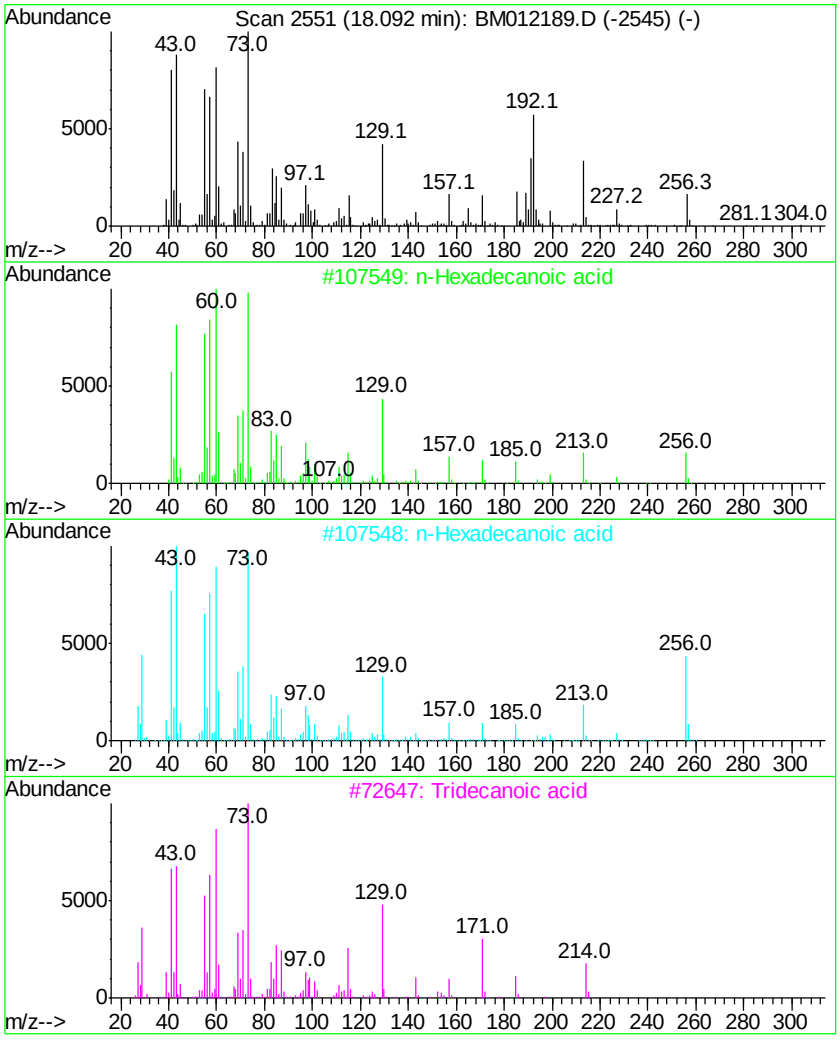
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

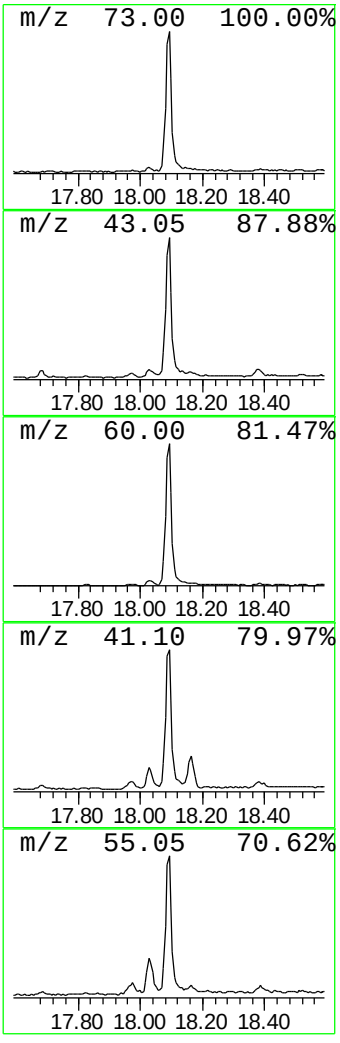
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	12.79 ng/ul	1884960	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Octadecanoic acid	284	C18H36O2	000057-11-4	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

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Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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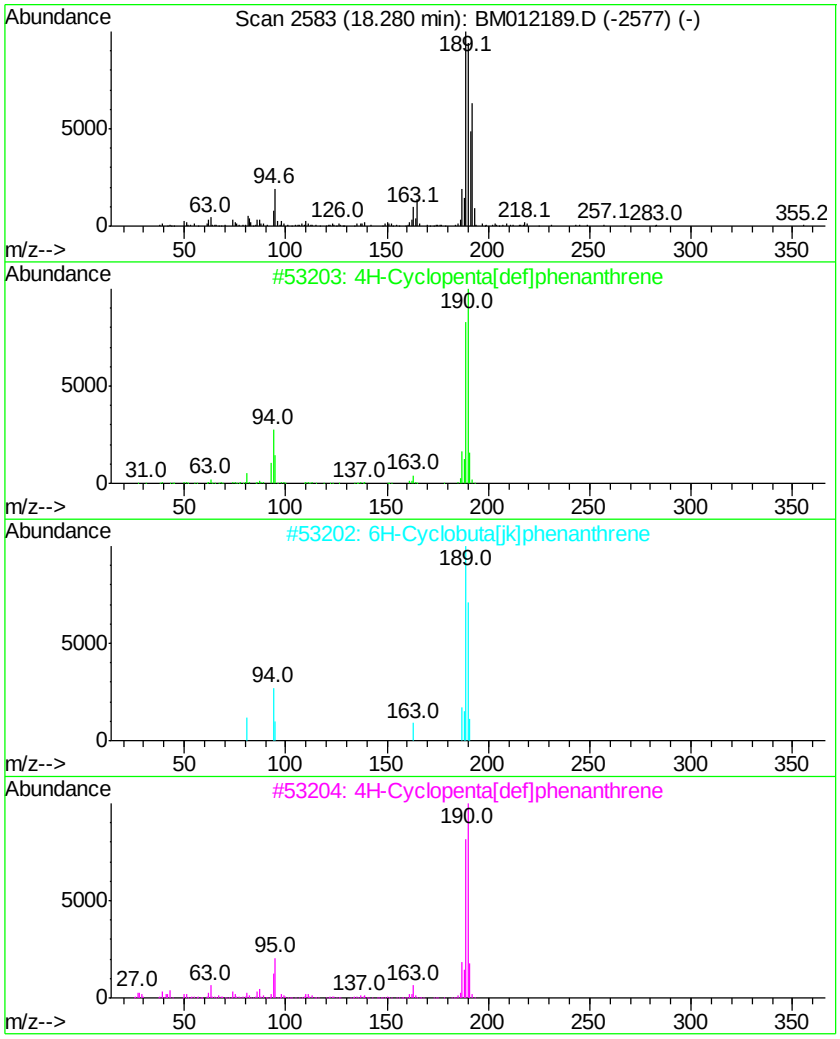
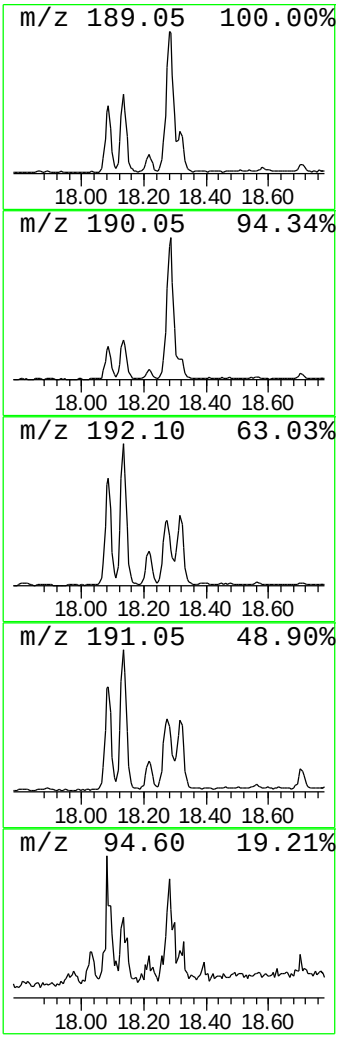
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.70 ng/ul	544806	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25





Library Search Compound Report

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Sample : I5522-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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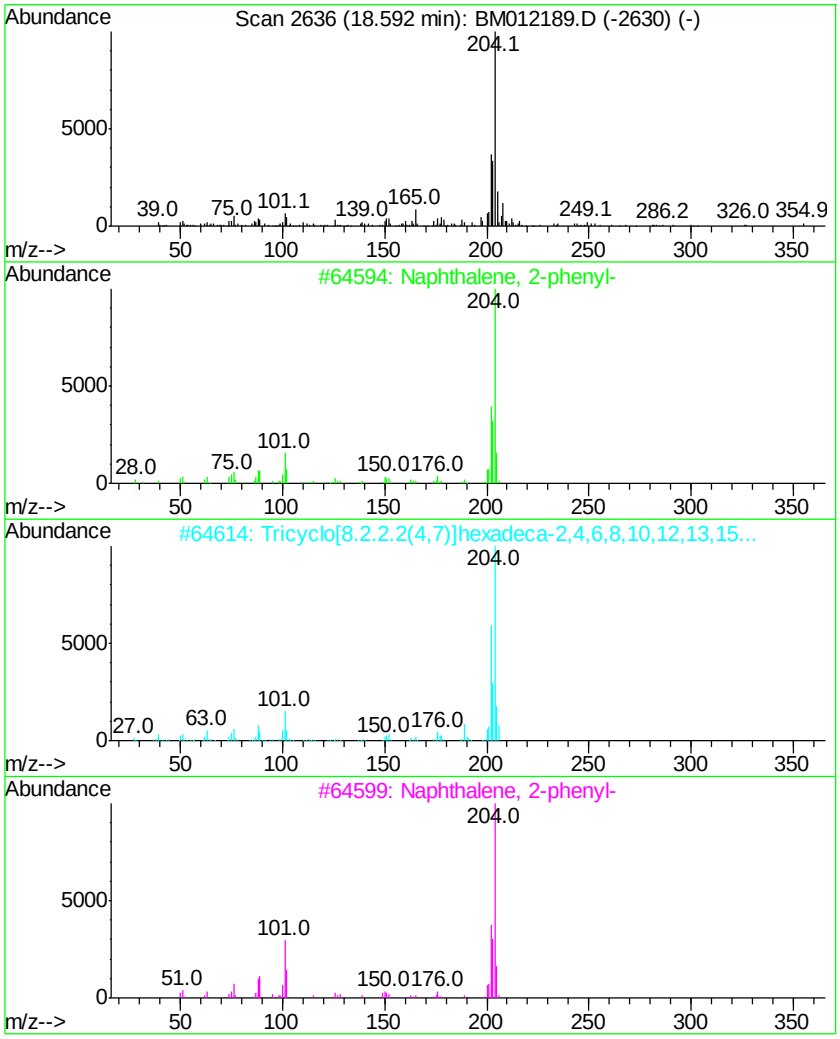
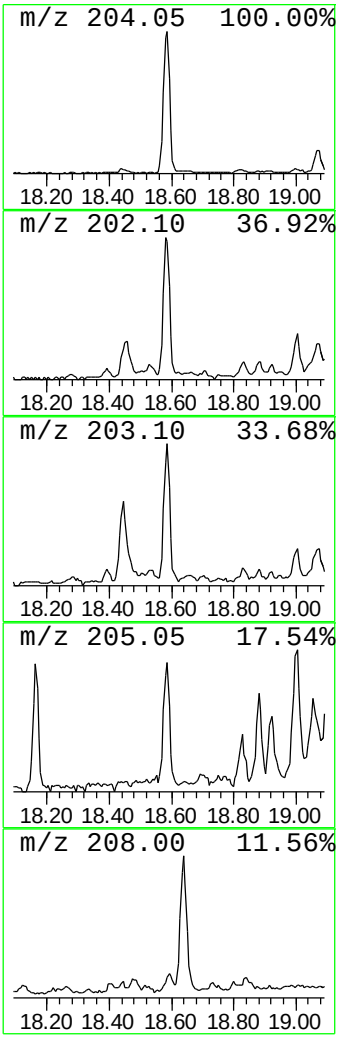
Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.07 ng/ul	305498	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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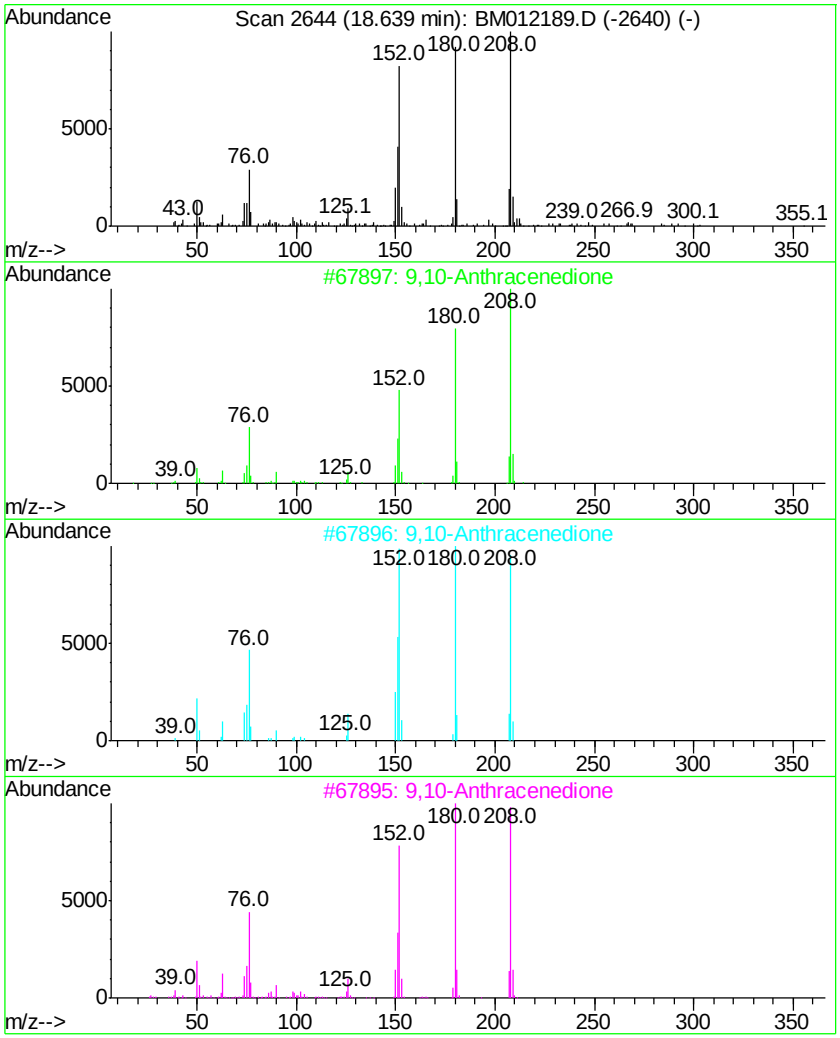
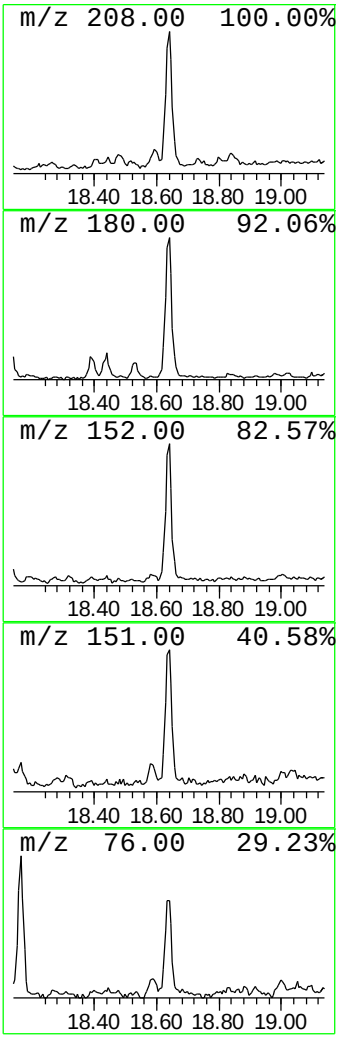
Peak Number 5 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.32 ng/ul	342541	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
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	60





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Quant Title : SVOA CALIBRATION

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

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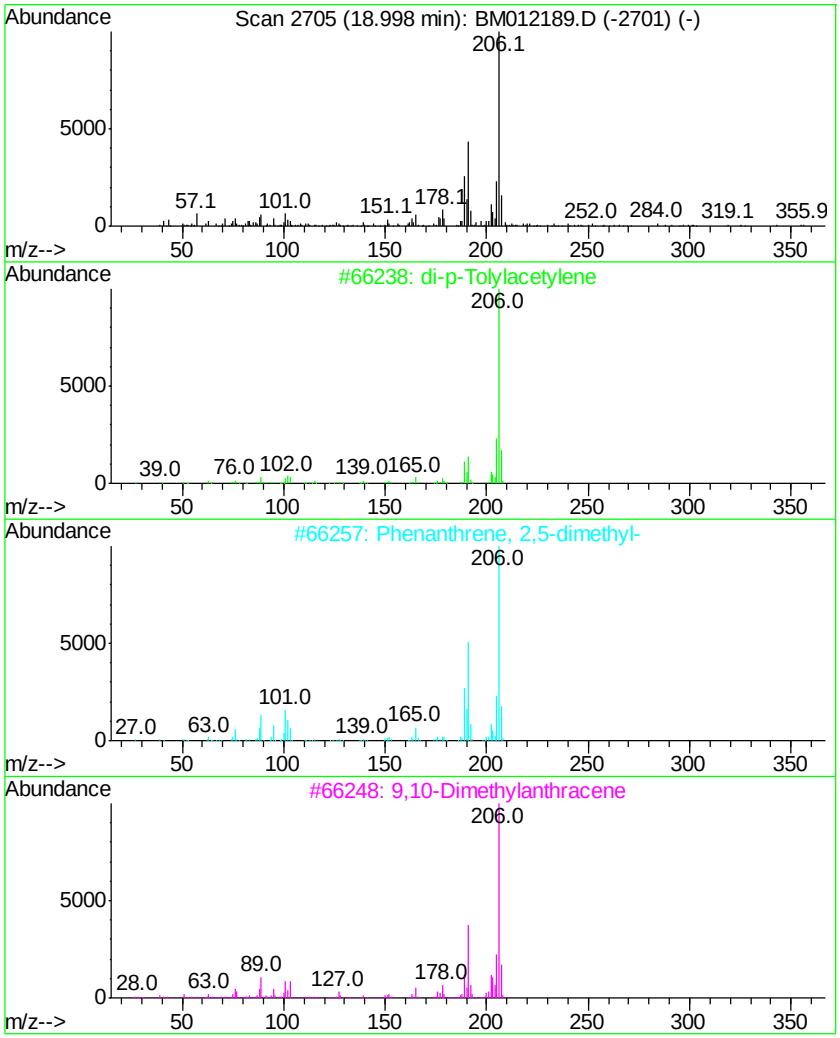
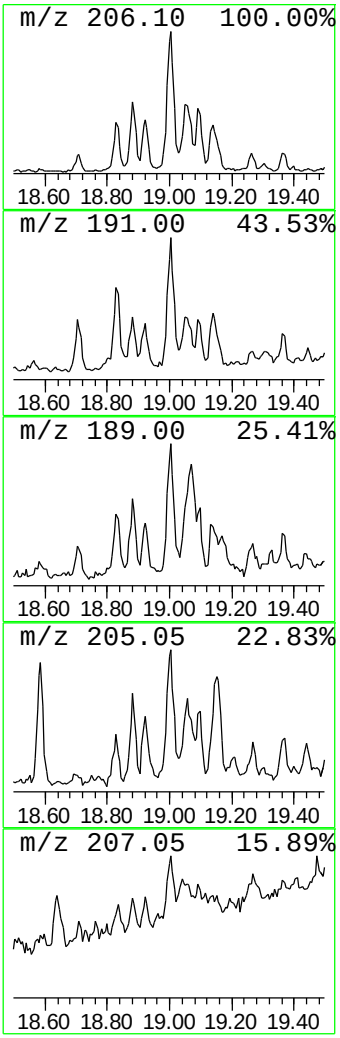
Peak Number 6 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	2.08 ng/ul	306875	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Quant Title : SVOA CALIBRATION

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

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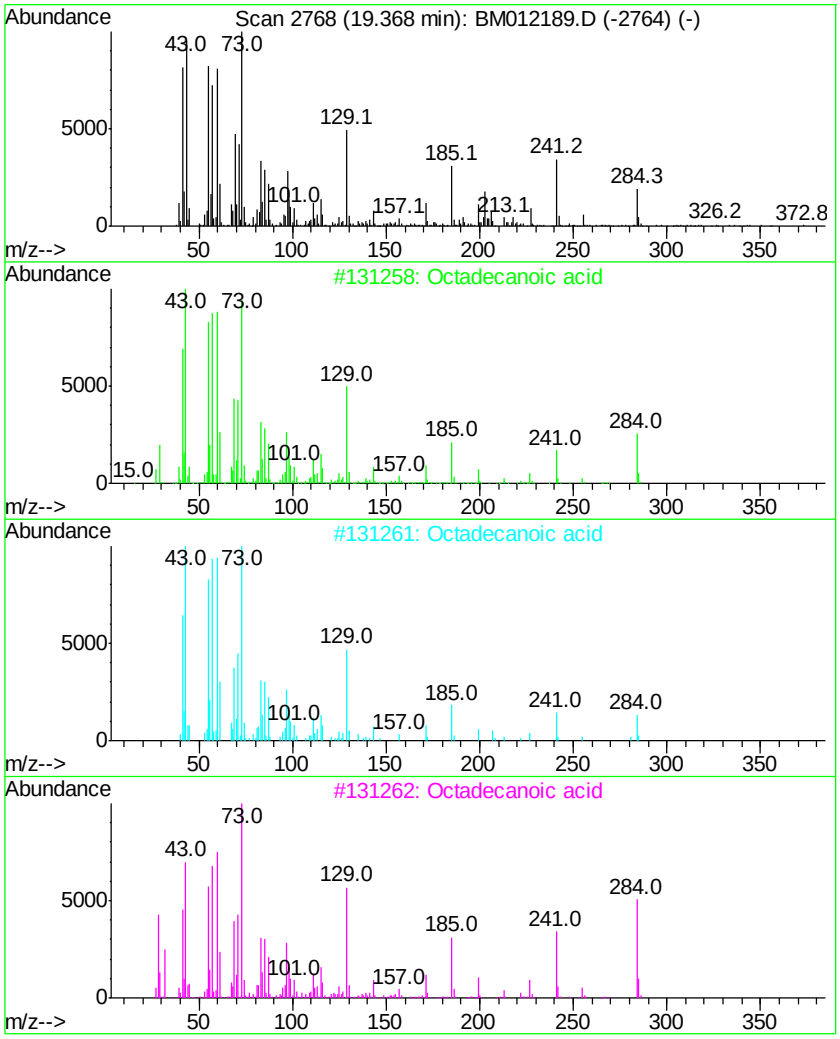
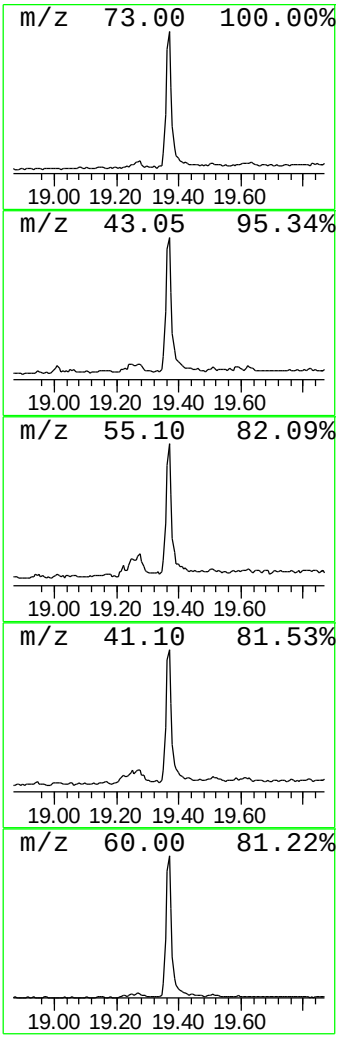
Peak Number 7 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	5.27 ng/ul	1309350	Chrysene-d12	21.39

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	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	98
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94





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Quant Title : SVOA CALIBRATION

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

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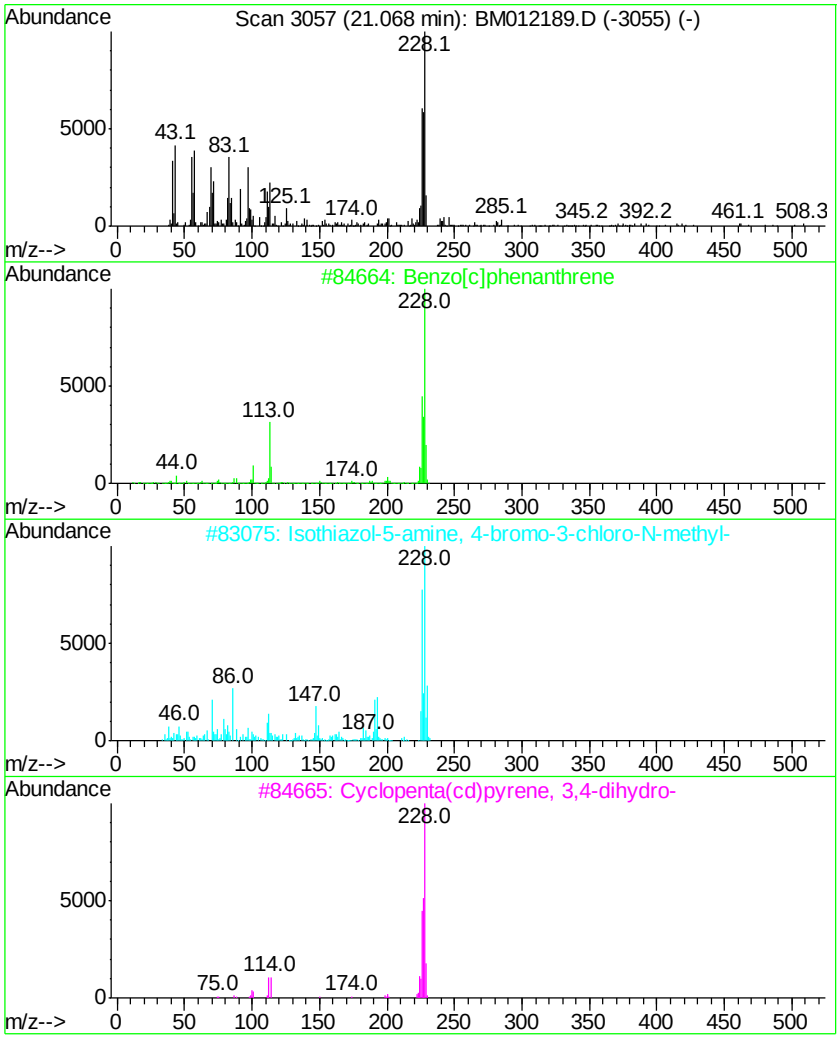
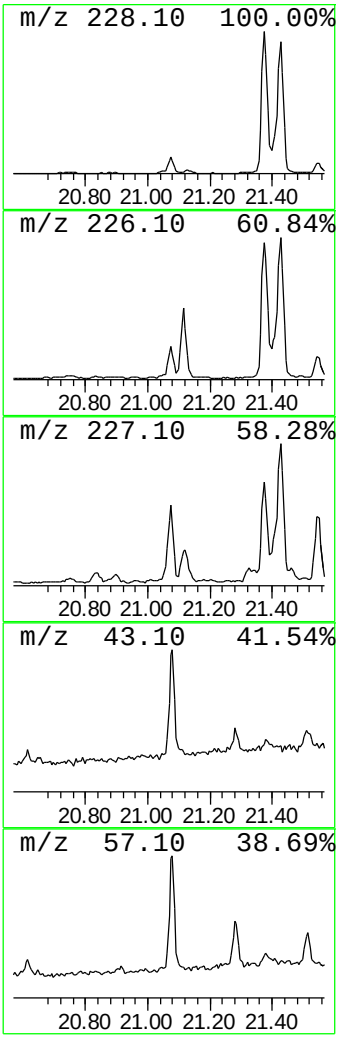
Peak Number 8 Benzo[c]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.77 ng/ul	688995	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	38
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38
4	Chrysene	228	C18H12	000218-01-9	35
5	9,10-Anthracenedicarbonitrile	228	C16H8N2	001217-45-4	35





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM101417\
Data File : BM012189.D
Acq On : 15 Oct 2017 02:30
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
n-Hexadecanoic acid	18.09	12.8	ng/ul	1884960	4	17.21	2947230	20.0
4H-Cyclopenta[def...	18.28	3.7	ng/ul	544806	4	17.21	2947230	20.0
Naphthalene, 2-ph...	18.59	2.1	ng/ul	305498	4	17.21	2947230	20.0
9,10-Anthracenedione	18.64	2.3	ng/ul	342541	4	17.21	2947230	20.0
di-p-Tolylacetylene	19.00	2.1	ng/ul	306875	4	17.21	2947230	20.0
Octadecanoic acid	19.37	5.3	ng/ul	1309350	5	21.39	4967870	20.0
Benzo[c]phenanthrene	21.07	2.8	ng/ul	688995	5	21.39	4967870	20.0