LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012139.D
Acq On : 13 Oct 2017 16:21
Operator : SJ/JU
Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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	5.834	460	467	474	rBV2	51000	89642	1.23%	0.161%
2	7.016	657	668	682	rBV	156443	341873	4.70%	0.613%
3	7.169	688	694	707	rBV	135849	233531	3.21%	0.419%
4	7.375	723	729	736	rBV	191556	335122	4.61%	0.601%
5	7.839	801	808	823	rVB	762242	1269799	17.47%	2.278%
6	8.557	924	930	941	rBV	173800	334073	4.60%	0.599%
7	9.010	1000	1007	1021	rBV	172024	369079	5.08%	0.662%
8	9.733	1123	1130	1141	rBV2	152686	303070	4.17%	0.544%
9	10.281	1216	1223	1233	rBV	213258	428603	5.90%	0.769%
10	10.645	1278	1285	1292	rBV	1076254	1818162	25.02%	3.262%
11	10.798	1303	1311	1320	rBV2	86075	211558	2.91%	0.380%
12	13.898	1830	1838	1842	rBV	482262	682786	9.39%	1.225%
13	13.945	1842	1846	1851	rVB	118164	178318	2.45%	0.320%
14	14.186	1881	1887	1891	rBV	533616	912585	12.56%	1.637%
15	14.492	1930	1939	1946	rBV2	1588304	2549110	35.07%	4.573%
16	14.557	1946	1950	1959	rVB2	74380	127814	1.76%	0.229%
17	14.739	1975	1981	1986	rBV	64073	129730	1.78%	0.233%
18	14.798	1987	1991	1999	rVB3	49445	97858	1.35%	0.176%
19	15.486	2102	2108	2114	rBV	709564	1012812	13.94%	1.817%
20	15.545	2114	2118	2130	rVB2	61979	119431	1.64%	0.214%
21	16.768	2319	2326	2330	rBV6	41661	97065	1.34%	0.174%
22	16.815	2330	2334	2342	rVB8	46153	90441	1.24%	0.162%
23	16.904	2345	2349	2354	rVB2	49444	79769	1.10%	0.143%
24	16.974	2356	2361	2367	rBV6	49798	121636	1.67%	0.218%
25	17.062	2372	2376	2381	rVB	75241	111656	1.54%	0.200%
26	17.115	2381	2385	2392	rBV	51032	83268	1.15%	0.149%
27	17.245	2400	2407	2411	rBV2	2253601	3280427	45.14%	5.885%
28	17.286	2411	2414	2419	rVV	1265308	1681210	23.13%	3.016%
29	17.339	2419	2423	2427	rVV2	749535	1174088	16.15%	2.106%
30	17.374	2427	2429	2435	rVB	286291	364730	5.02%	0.654%
31	17.651	2470	2476	2483	rBV3	88995	209634	2.88%	0.376%
32	17.756	2490	2494	2498	rBV	64861	96627	1.33%	0.173%
33	17.827	2501	2506	2514	rVV4	84451	209905	2.89%	0.377%
34	18.056	2540	2545	2550	rBV3	141248	232034	3.19%	0.416%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012139.D
Acq On : 13 Oct 2017 16:21
Operator : SJ/JU
Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	18.115	2550	2555	2559	rVV	669836	954492	13.13%	1.712%
36	18.168	2559	2564	2571	rVV2	469251	801544	11.03%	1.438%
37	18.245	2573	2577	2582	rVV	150401	244545	3.36%	0.439%
38	18.309	2583	2588	2592	rVV2	497844	980161	13.49%	1.758%
39	18.351	2592	2595	2600	rVB	303502	427458	5.88%	0.767%
40	18.615	2636	2640	2644	rBV	271986	393352	5.41%	0.706%
41	18.668	2645	2649	2656	rVB	243585	365904	5.03%	0.656%
42	18.862	2679	2682	2685	rVB	109316	124227	1.71%	0.223%
43	18.915	2688	2691	2694	rVB	113912	126912	1.75%	0.228%
44	18.951	2695	2697	2700	rVB	89535	81090	1.12%	0.145%
45	19.033	2706	2711	2715	rBV	401993	647783	8.91%	1.162%
46	19.186	2731	2737	2742	rBV2	284779	551171	7.58%	0.989%
47	19.303	2751	2757	2762	rVB	3911819	5251132	72.25%	9.420%
48	19.392	2769	2772	2778	rBV4	298773	415024	5.71%	0.744%
49	19.633	2808	2813	2815	rBV2	1482803	2123997	29.22%	3.810%
50	19.668	2815	2819	2826	rVV	4091778	5500381	75.68%	9.867%
51	19.733	2827	2830	2836	rVB2	243162	373738	5.14%	0.670%
52	20.256	2916	2919	2922	rBV	335057	399485	5.50%	0.717%
53	20.456	2950	2953	2957	rBV	356785	474278	6.53%	0.851%
54	20.909	3027	3030	3036	rVB	465492	563410	7.75%	1.011%
55	21.103	3061	3063	3067	rVB	645426	683682	9.41%	1.226%
56	21.421	3111	3117	3121	rBV2	3657909	7267934	100.00%	13.038%
57	21.462	3121	3124	3131	rVB	2227273	2825458	38.88%	5.068%
58	23.050	3390	3394	3399	rBV	1369116	2771782	38.14%	4.972%
59	23.756	3510	3514	3520	rVB	1225931	2019382	27.78%	3.622%

Sum of corrected areas: 55745768

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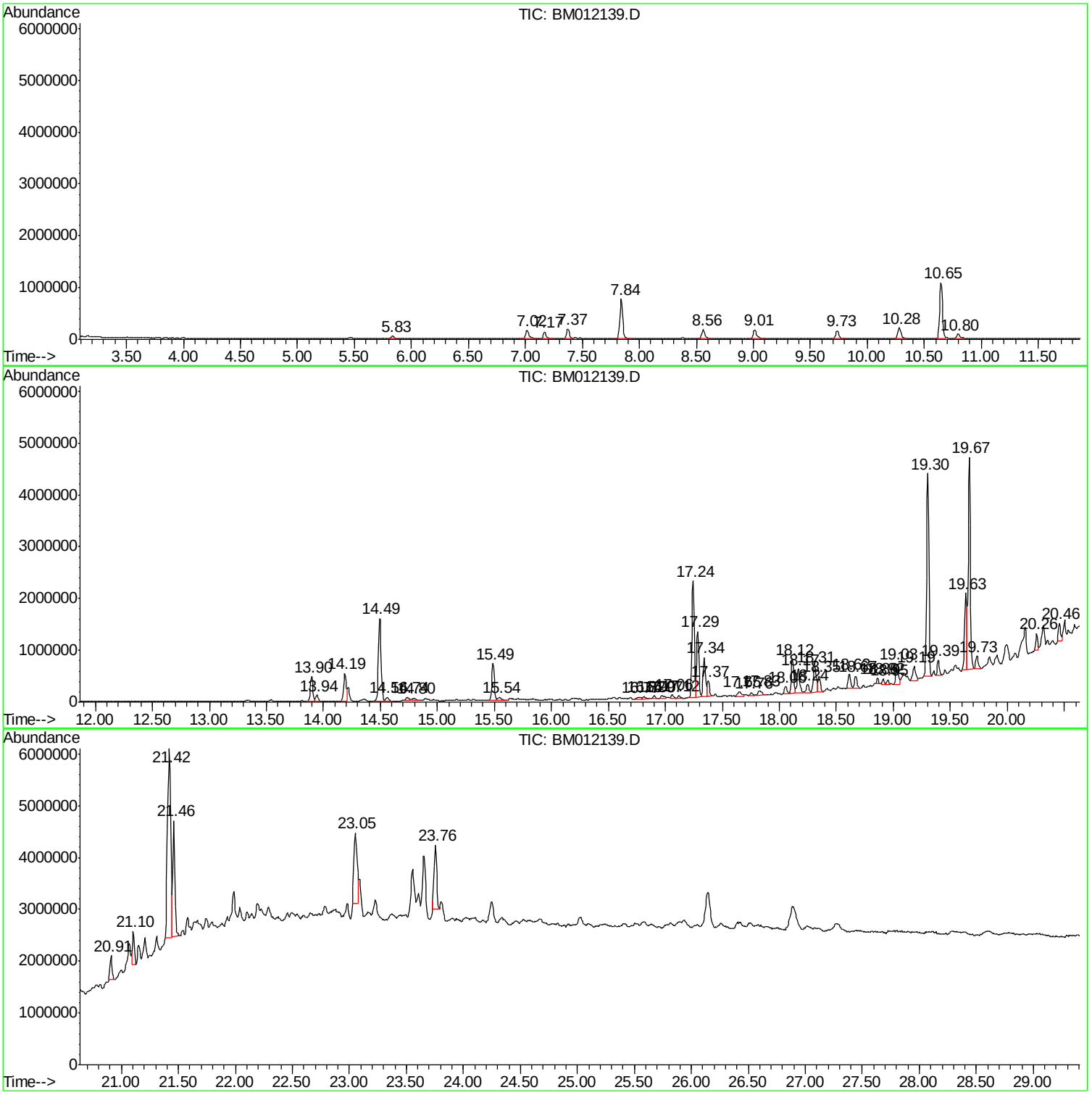
Instrument :
BNA_M
ClientSampleId :
B-53(0-1)-092817DL

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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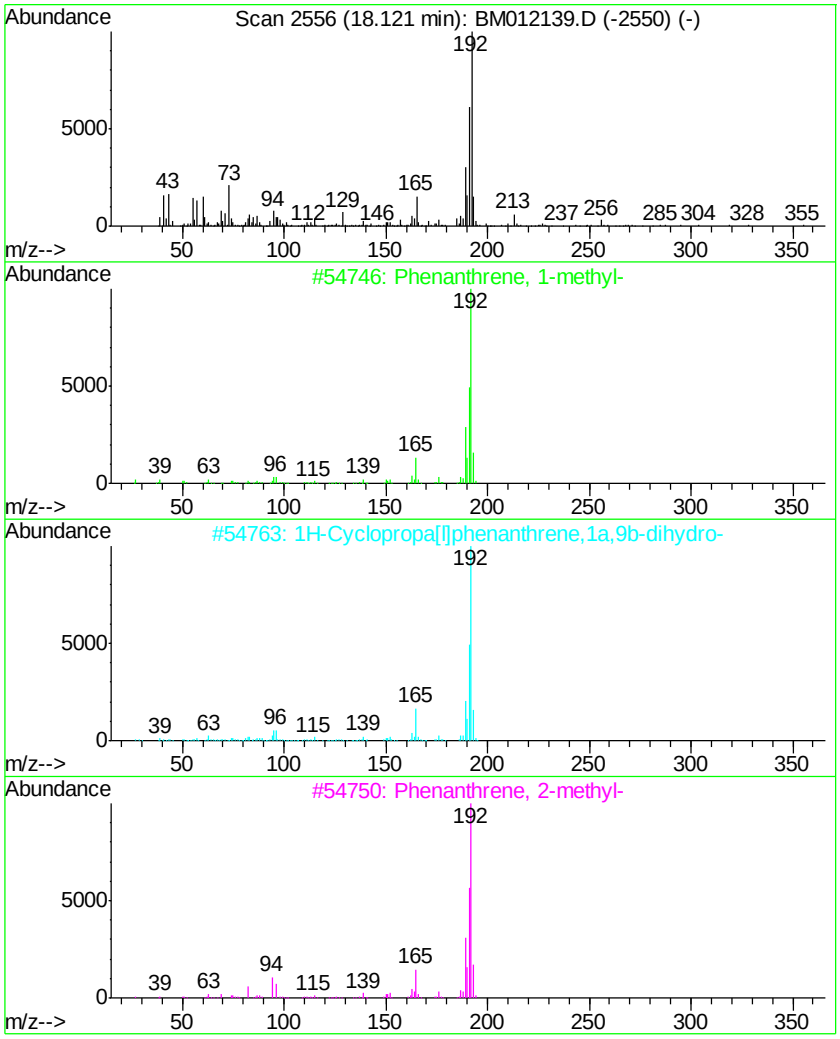
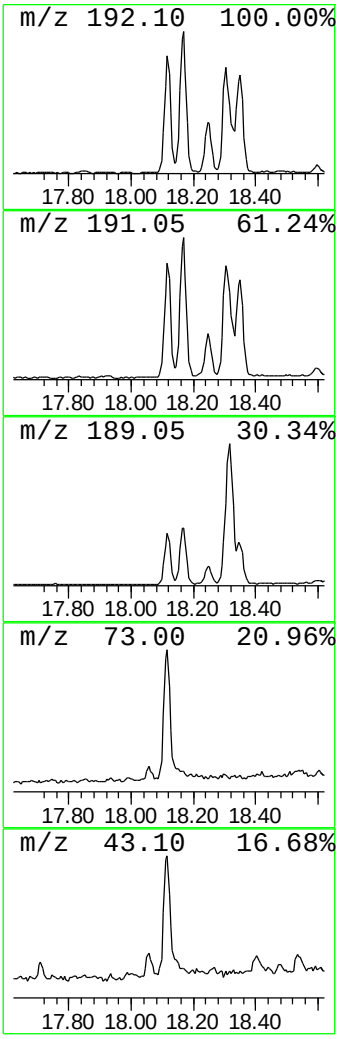
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.82 ng/ul	954492	Phenanthrene-d10	17.24

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





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Acq On : 13 Oct 2017 16:21
Operator : SJ/JU
Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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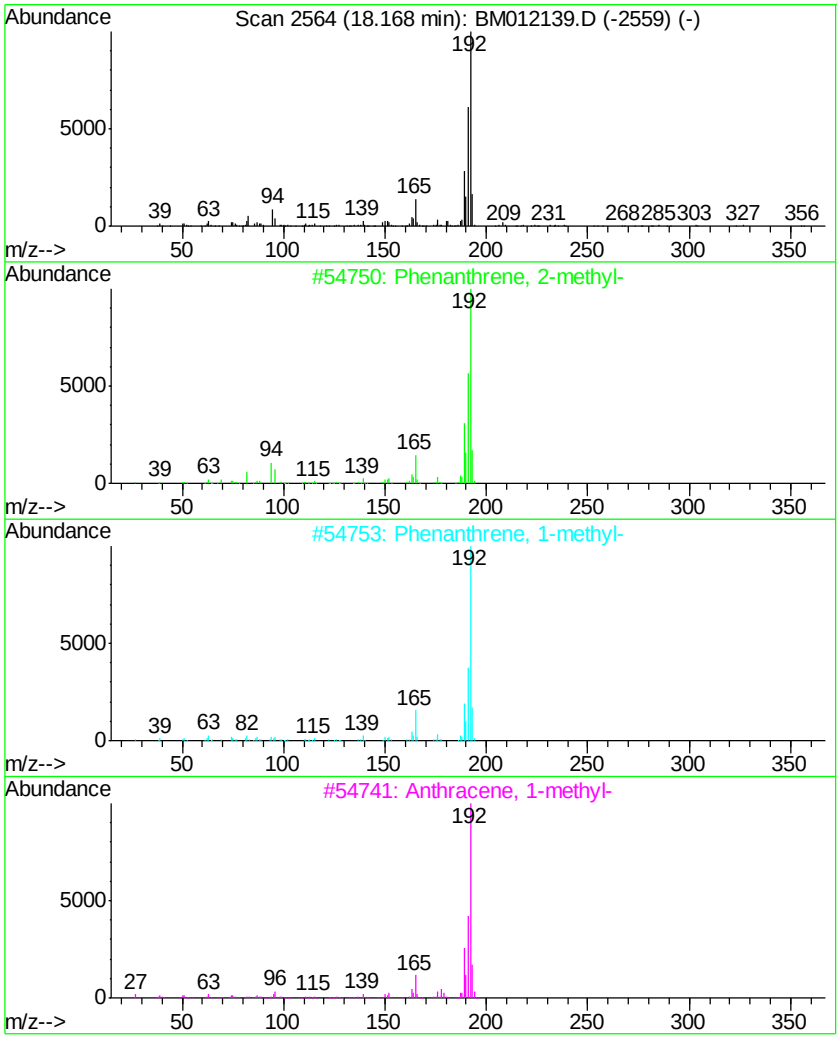
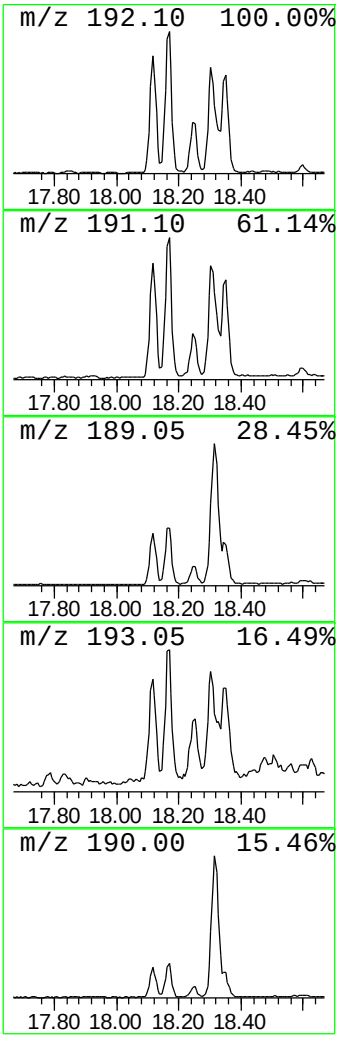
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	4.89 ng/ul	801544	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012139.D
Acq On : 13 Oct 2017 16:21
Operator : SJ/JU
Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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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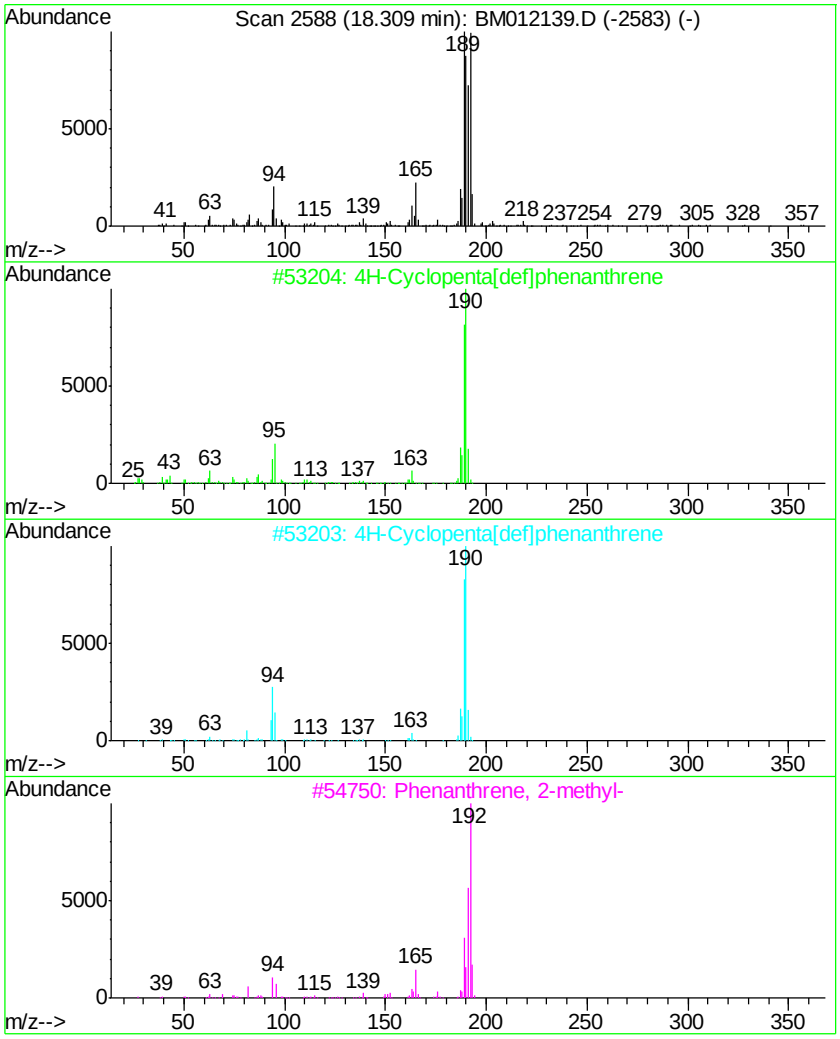
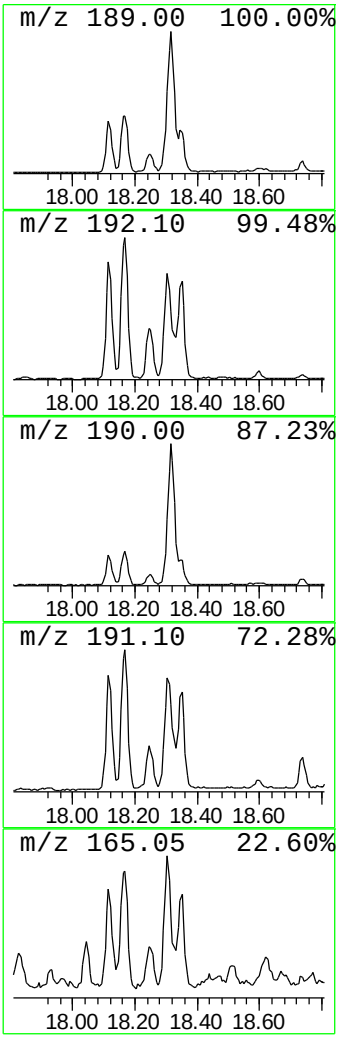
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	5.98 ng/ul	980161	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	49
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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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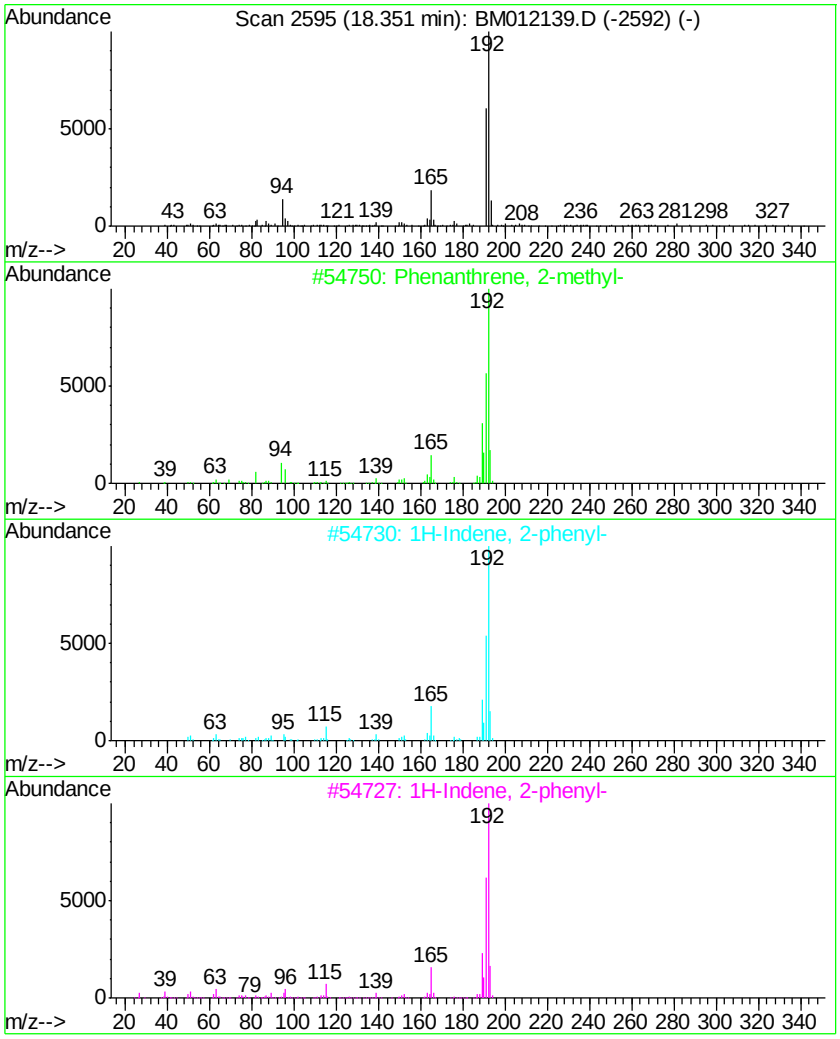
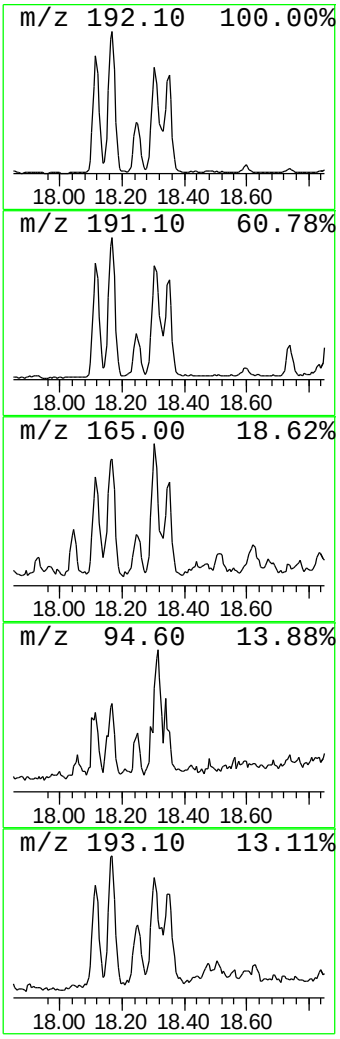
Peak Number 4 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.61 ng/ul	427458	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





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Operator : SJ/JU
Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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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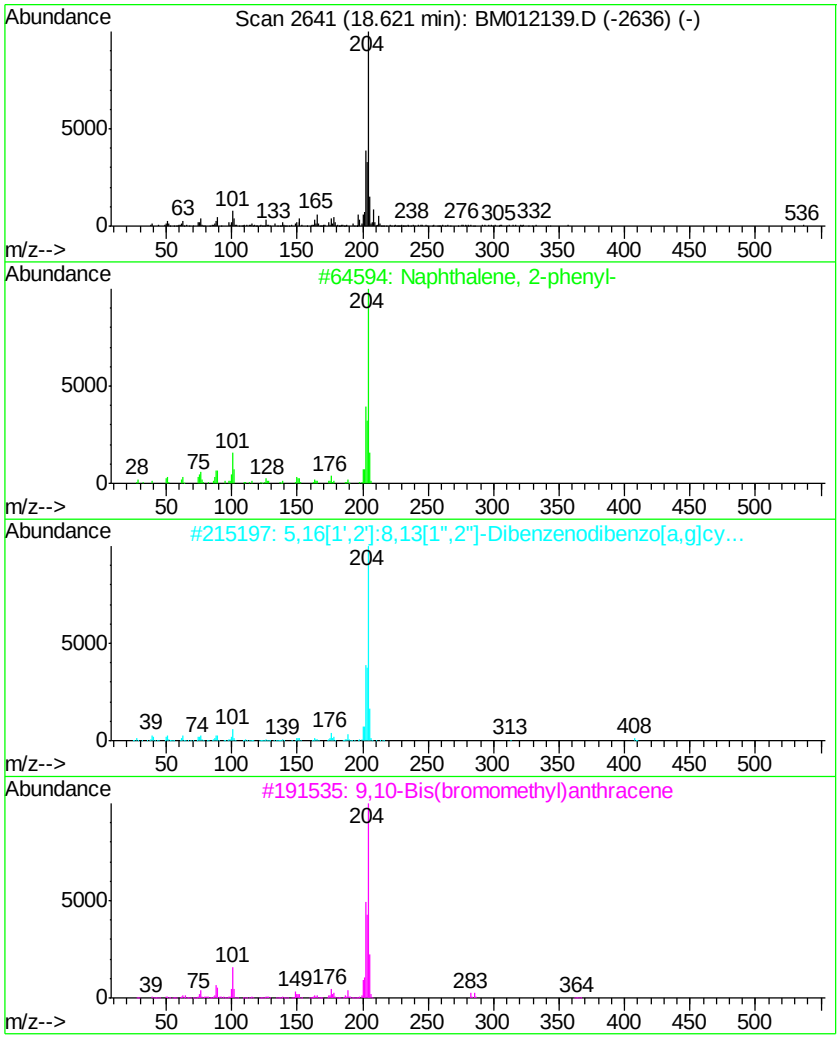
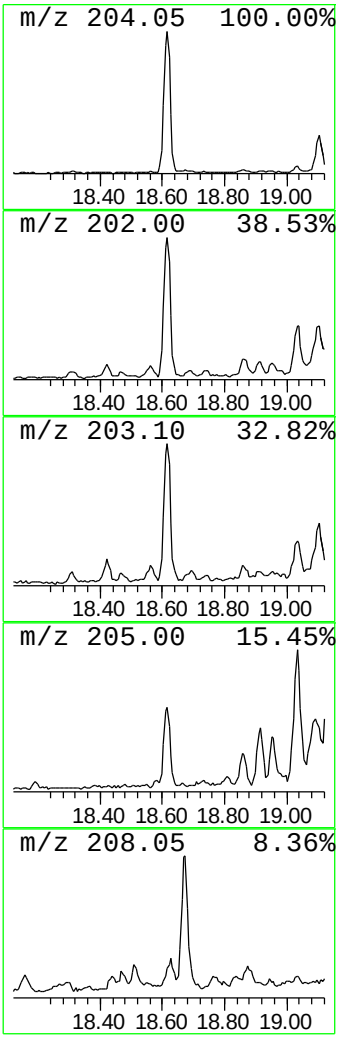
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.40 ng/ul	393352	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





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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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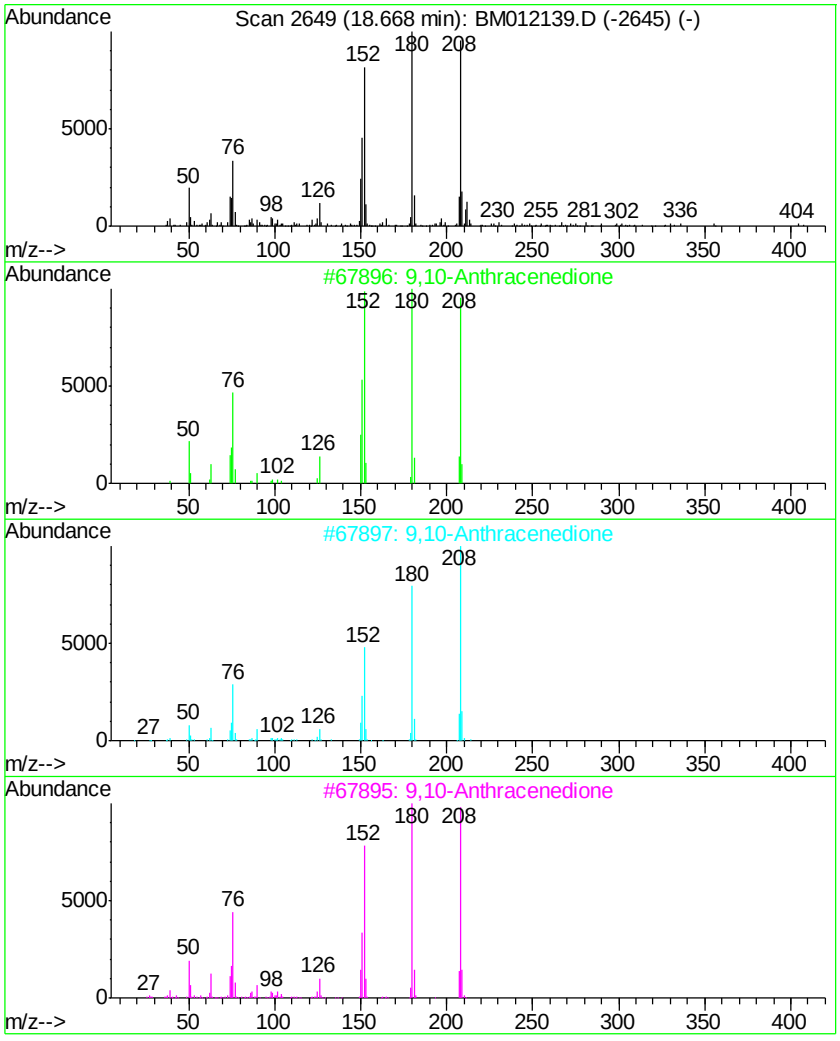
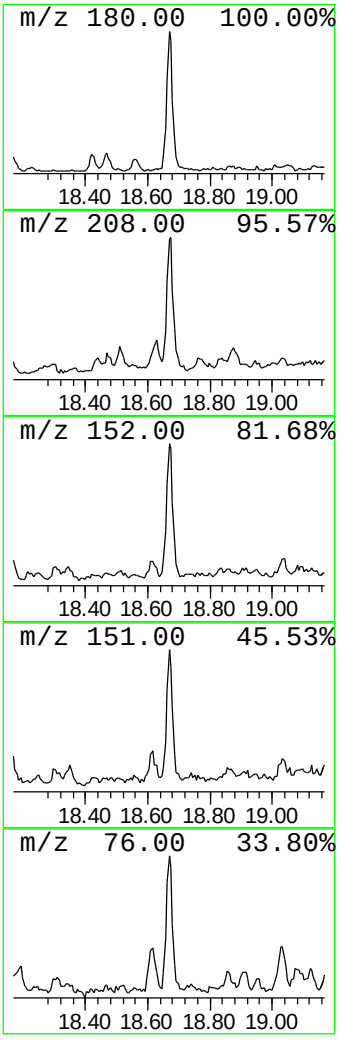
Peak Number 6 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.23 ng/ul	365904	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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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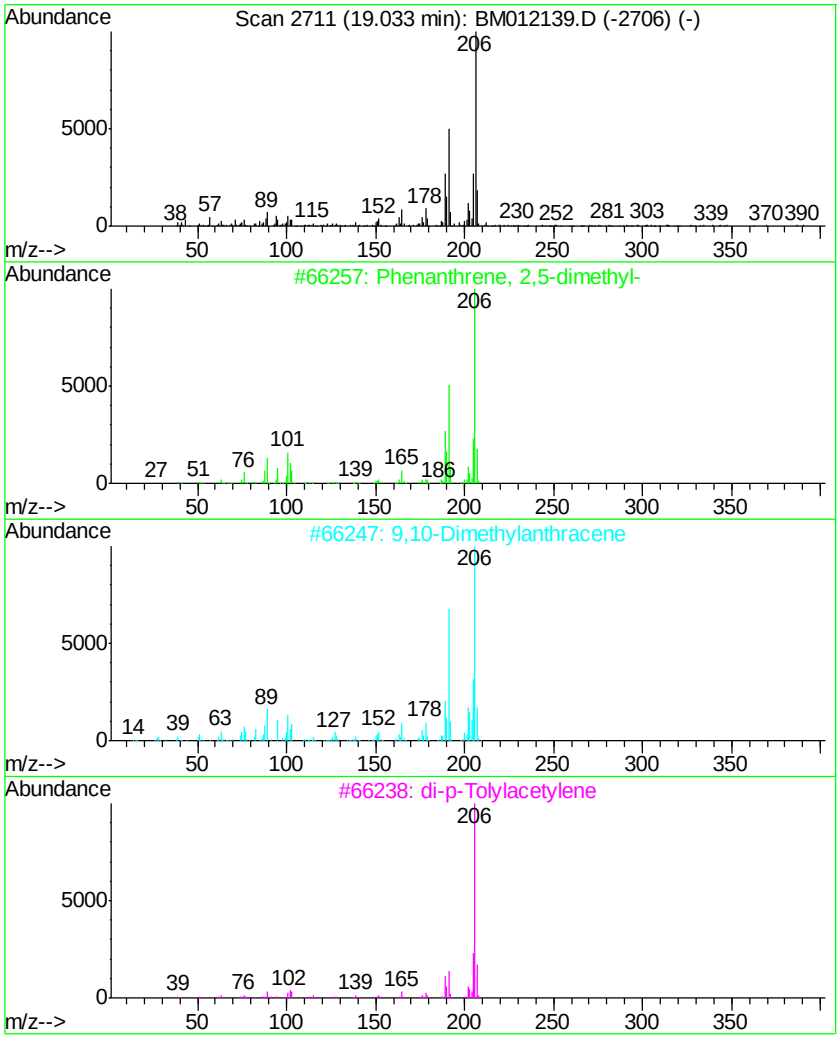
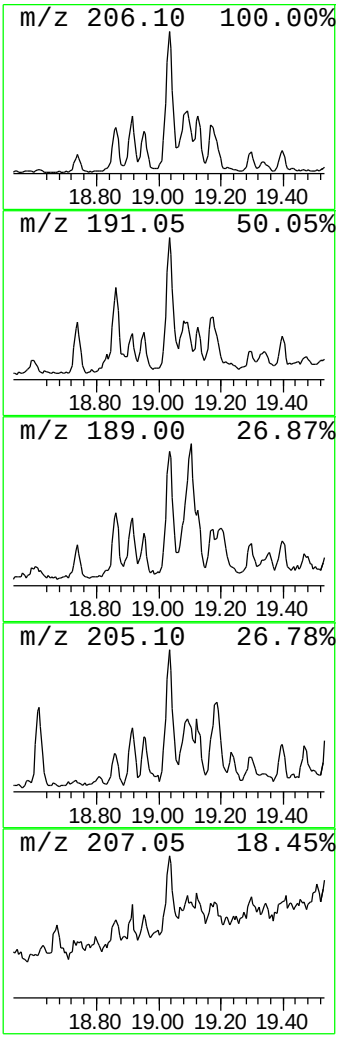
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.95 ng/ul	647783	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Quant Title : SVOA CALIBRATION

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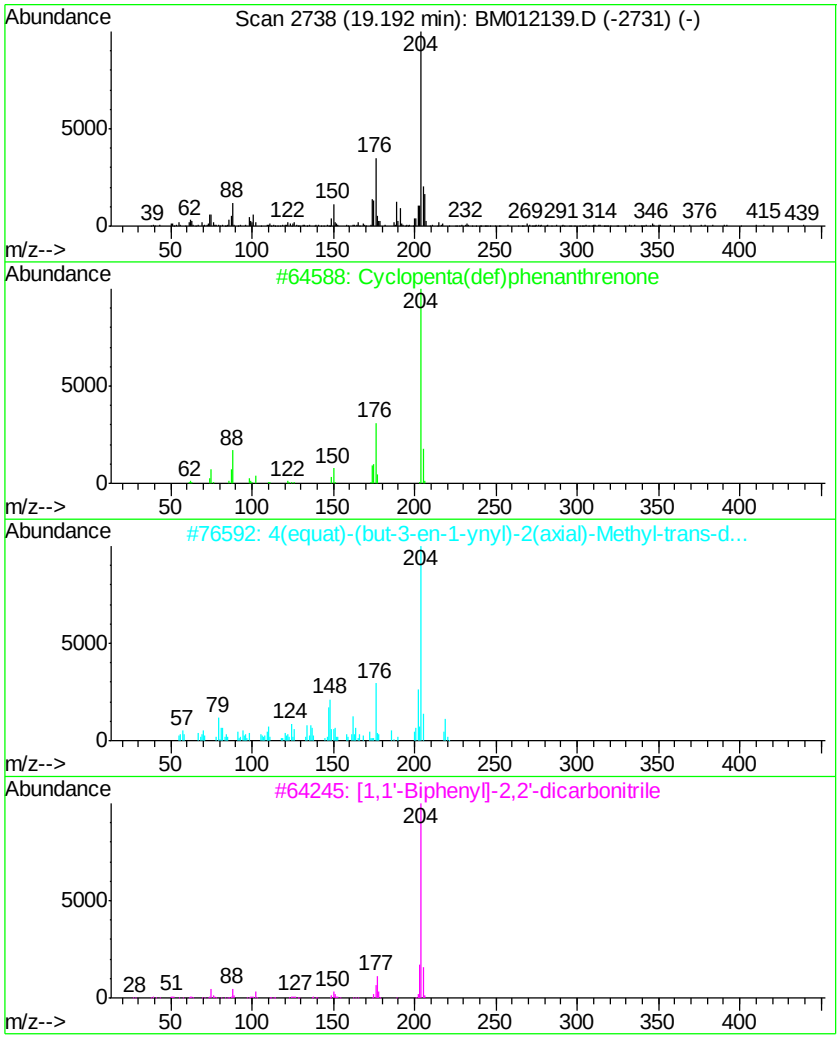
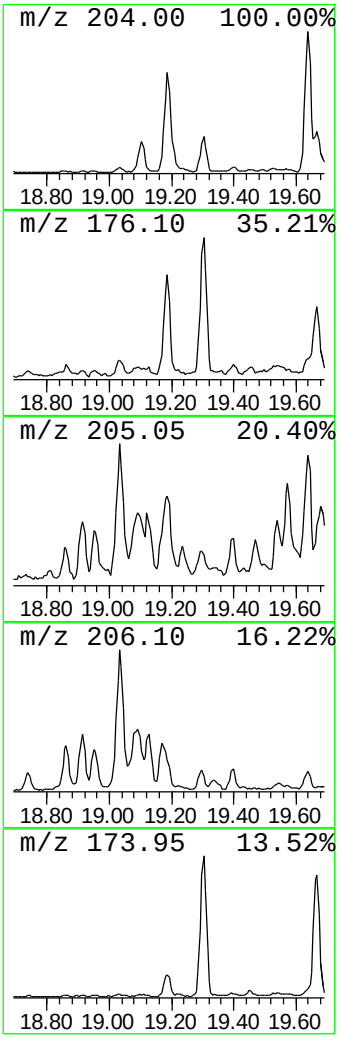
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	3.36 ng/ul	551171	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	47
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012139.D
Acq On : 13 Oct 2017 16:21
Operator : SJ/JU
Sample : I5533-10DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(0-1)-092817DL

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
Phenanthrene, 1-m...	18.12	5.8	ng/ul	954492	4	17.24	3280430	20.0
Phenanthrene, 2-m...	18.17	4.9	ng/ul	801544	4	17.24	3280430	20.0
4H-Cyclopenta[def...	18.31	6.0	ng/ul	980161	4	17.24	3280430	20.0
1H-Indene, 2-phenyl-	18.35	2.6	ng/ul	427458	4	17.24	3280430	20.0
Naphthalene, 2-ph...	18.62	2.4	ng/ul	393352	4	17.24	3280430	20.0
9,10-Anthracenedione	18.67	2.2	ng/ul	365904	4	17.24	3280430	20.0
Phenanthrene, 2,5...	19.03	4.0	ng/ul	647783	4	17.24	3280430	20.0
Cyclopenta(def)ph...	19.19	3.4	ng/ul	551171	4	17.24	3280430	20.0