LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012313.D
Acq On : 19 Oct 2017 11:37
Operator : SJ/JU
Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(0.5-1.5)-100317

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	6.969	654	660	674	rBV2	136090	369104	5.34%	0.689%
2	7.116	677	685	699	rVB	119192	225224	3.26%	0.420%
3	7.322	709	720	725	rBV	194431	362438	5.24%	0.676%
4	7.375	725	729	734	rVB	83785	122508	1.77%	0.229%
5	7.734	784	790	792	rBV	67724	95581	1.38%	0.178%
6	7.781	792	798	811	rVB	994035	1771754	25.63%	3.305%
7	7.981	828	832	839	rVB	61413	96920	1.40%	0.181%
8	8.287	880	884	888	rBV	53489	86341	1.25%	0.161%
9	8.422	901	907	912	rBV4	61009	112399	1.63%	0.210%
10	8.516	916	923	933	rBV2	201710	454779	6.58%	0.848%
11	8.963	992	999	1013	rVB2	178496	545003	7.88%	1.017%
12	9.681	1111	1121	1128	rBV2	154911	320188	4.63%	0.597%
13	10.239	1207	1216	1232	rBV	160986	483591	6.99%	0.902%
14	10.581	1268	1274	1281	rBV	1486405	2537650	36.71%	4.734%
15	10.751	1300	1303	1314	rVB3	31123	82485	1.19%	0.154%
16	13.757	1809	1814	1819	rBV3	46413	93569	1.35%	0.175%
17	13.845	1824	1829	1833	rVV	551114	809356	11.71%	1.510%
18	13.892	1833	1837	1843	rVB	251633	367989	5.32%	0.686%
19	13.986	1849	1853	1864	rVB3	50750	117076	1.69%	0.218%
20	14.133	1871	1878	1888	rBV	612292	1025575	14.83%	1.913%
21	14.310	1902	1908	1915	rBV	73086	114727	1.66%	0.214%
22	14.439	1922	1930	1936	rBV2	2391565	3716663	53.76%	6.933%
23	14.498	1936	1940	1949	rVB	226034	383959	5.55%	0.716%
24	14.745	1973	1982	1991	rBV8	74120	274713	3.97%	0.512%
25	14.839	1993	1998	2005	rVV2	115479	256378	3.71%	0.478%
26	14.910	2007	2010	2019	rVB4	49756	109488	1.58%	0.204%
27	15.263	2066	2070	2074	rVB2	73883	96539	1.40%	0.180%
28	15.433	2091	2099	2104	rBV	810095	1197623	17.32%	2.234%
29	15.486	2104	2108	2113	rVB	123378	188357	2.72%	0.351%
30	15.798	2155	2161	2168	rVB3	92571	207533	3.00%	0.387%
31	15.933	2180	2184	2189	rBV	60588	117161	1.69%	0.219%
32	16.127	2213	2217	2220	rBV4	92992	156211	2.26%	0.291%
33	16.492	2277	2279	2284	rVB4	62360	81951	1.19%	0.153%
34	16.721	2310	2318	2320	rBV5	65109	168749	2.44%	0.315%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(0.5-1.5)-100317

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	16.851	2335	2340	2345	rBV3	81916	164312	2.38%	0.306%
36	16.915	2348	2351	2356	rBV4	106622	174043	2.52%	0.325%
37	17.010	2363	2367	2371	rVB	119068	170501	2.47%	0.318%
38	17.186	2391	2397	2401	rBV2	3091611	4496971	65.05%	8.388%
39	17.227	2401	2404	2409	rVV	1813503	2527004	36.55%	4.714%
40	17.286	2409	2414	2417	rVV2	879612	1271390	18.39%	2.372%
41	17.321	2417	2420	2425	rVB	472649	642584	9.29%	1.199%
42	17.768	2493	2496	2502	rVB3	127754	215592	3.12%	0.402%
43	18.062	2542	2546	2550	rBV	636209	962228	13.92%	1.795%
44	18.110	2551	2554	2560	rVB	507757	705736	10.21%	1.316%
45	18.192	2565	2568	2572	rBV2	153390	220925	3.20%	0.412%
46	18.257	2574	2579	2583	rBV2	501072	922315	13.34%	1.720%
47	18.562	2627	2631	2635	rBV	326893	526640	7.62%	0.982%
48	18.862	2679	2682	2685	rBV	229604	259508	3.75%	0.484%
49	18.980	2699	2702	2706	rBV	492895	673686	9.74%	1.257%
50	19.251	2743	2748	2753	rBV	4061784	5534546	80.05%	10.324%
51	19.586	2800	2805	2807	rBV2	1650325	2704325	39.12%	5.044%
52	19.615	2807	2810	2817	rVB	3453978	4776176	69.08%	8.909%
53	21.368	3103	3108	3112	rBV2	3780369	6913585	100.00%	12.896%
54	21.409	3113	3115	3125	rVB	1978170	2597953	37.58%	4.846%

Sum of corrected areas: 53609602

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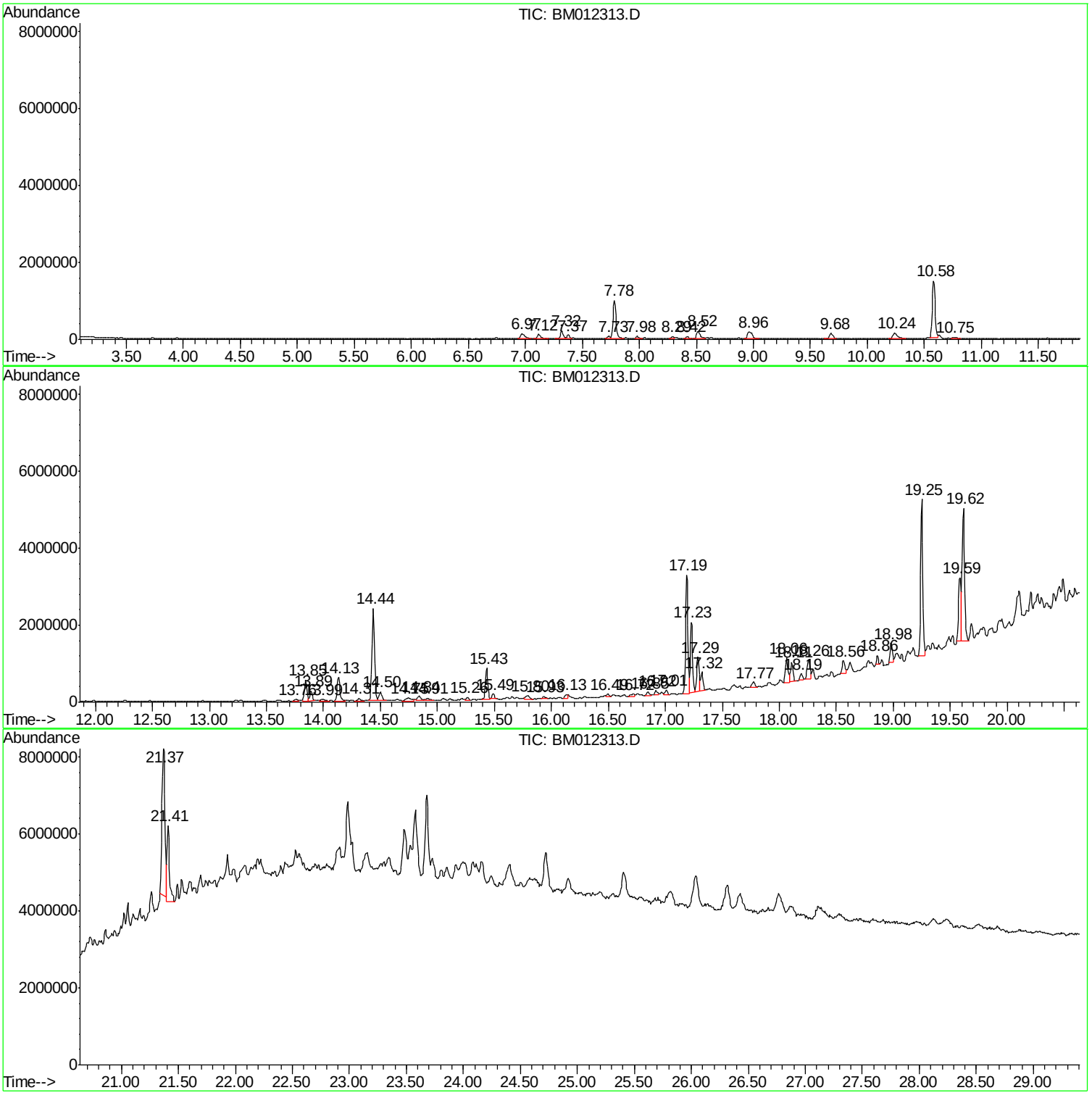
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

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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TIC Library : C:\DATABASE\NIST11.L
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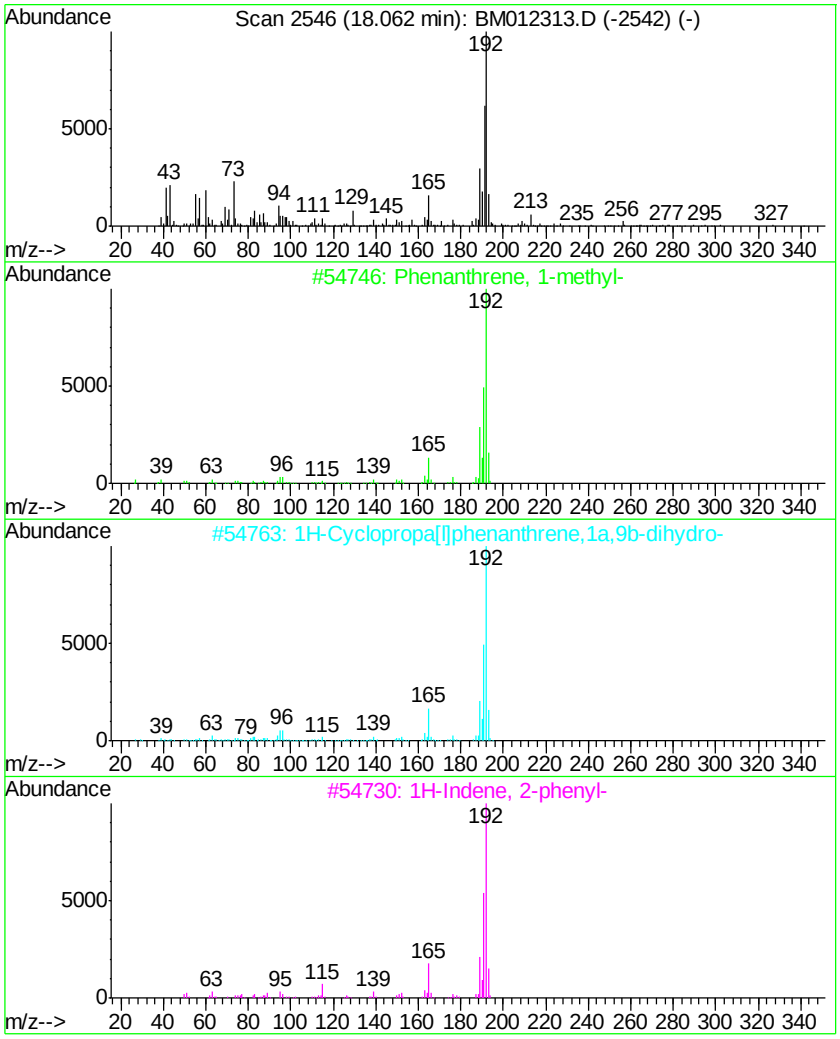
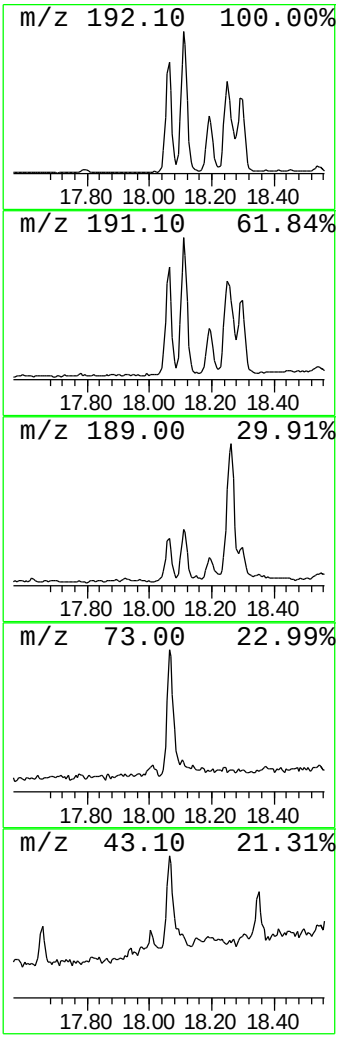
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.28 ng/ul	962228	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Operator : SJ/JU
Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(0.5-1.5)-100317

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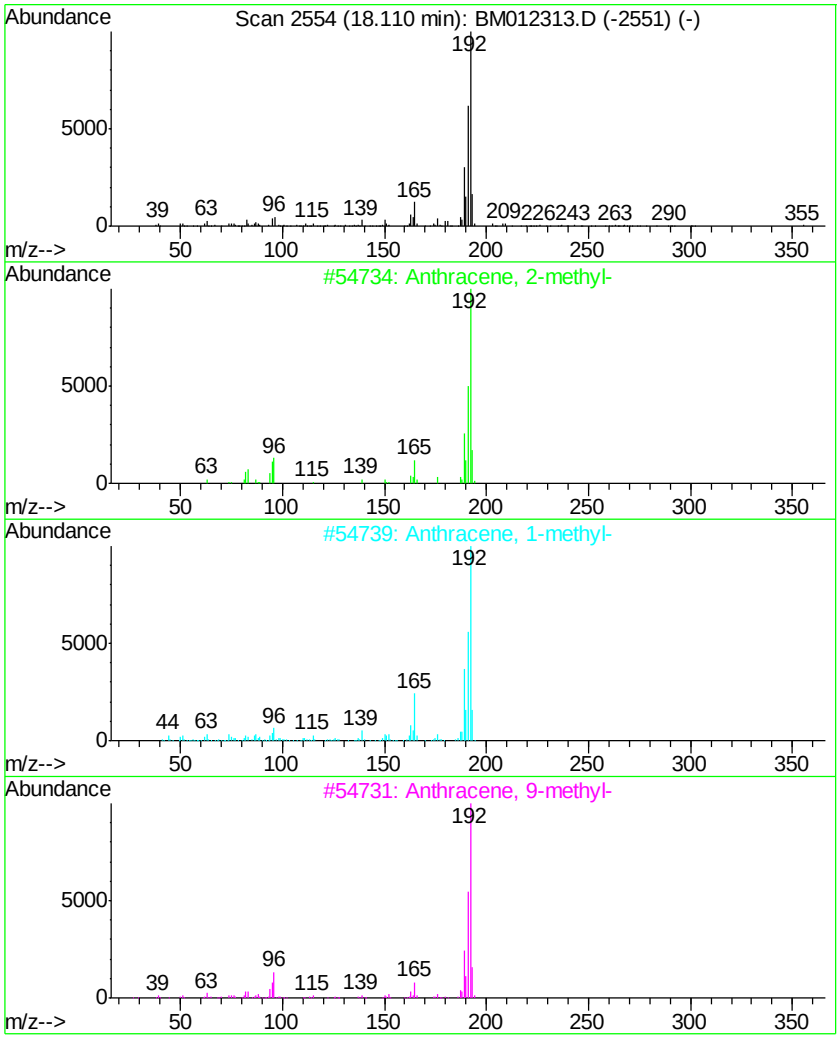
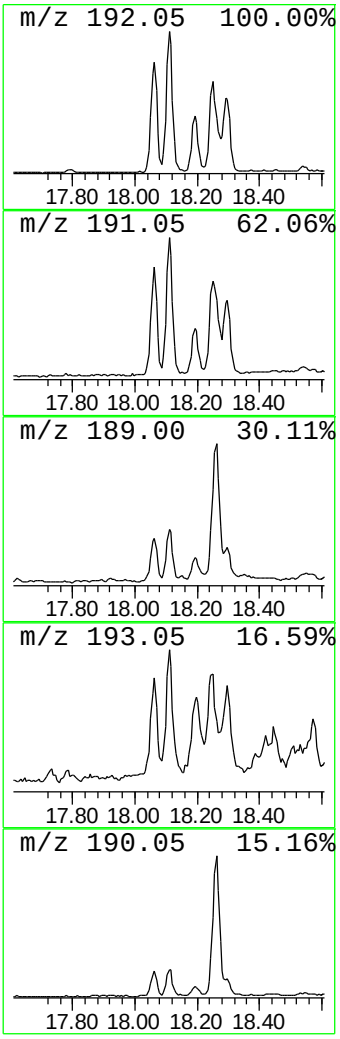
Peak Number 2 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	3.14 ng/ul	705736	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(0.5-1.5)-100317

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

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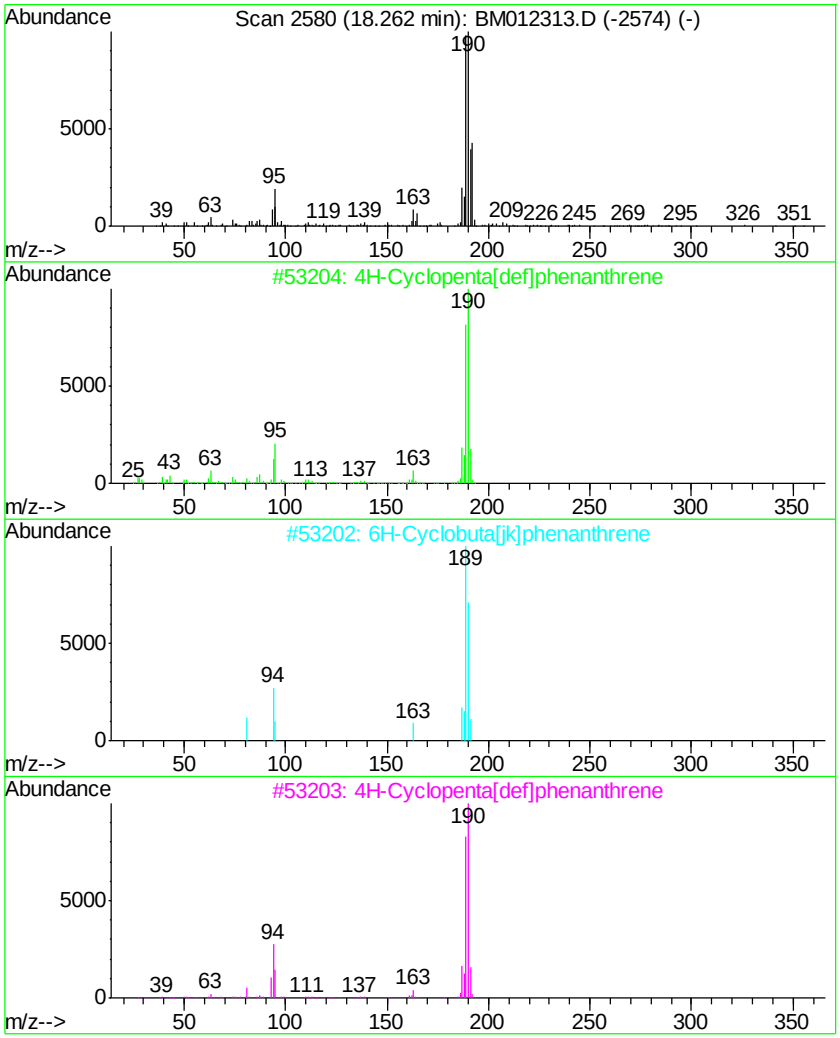
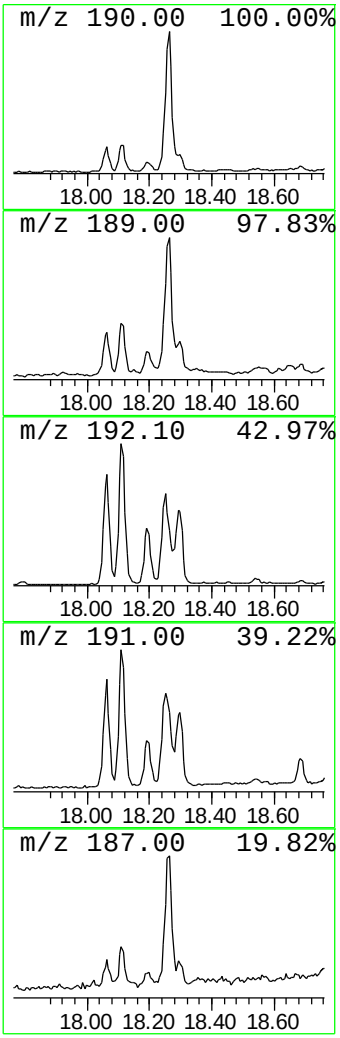
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	4.10 ng/ul	922315	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





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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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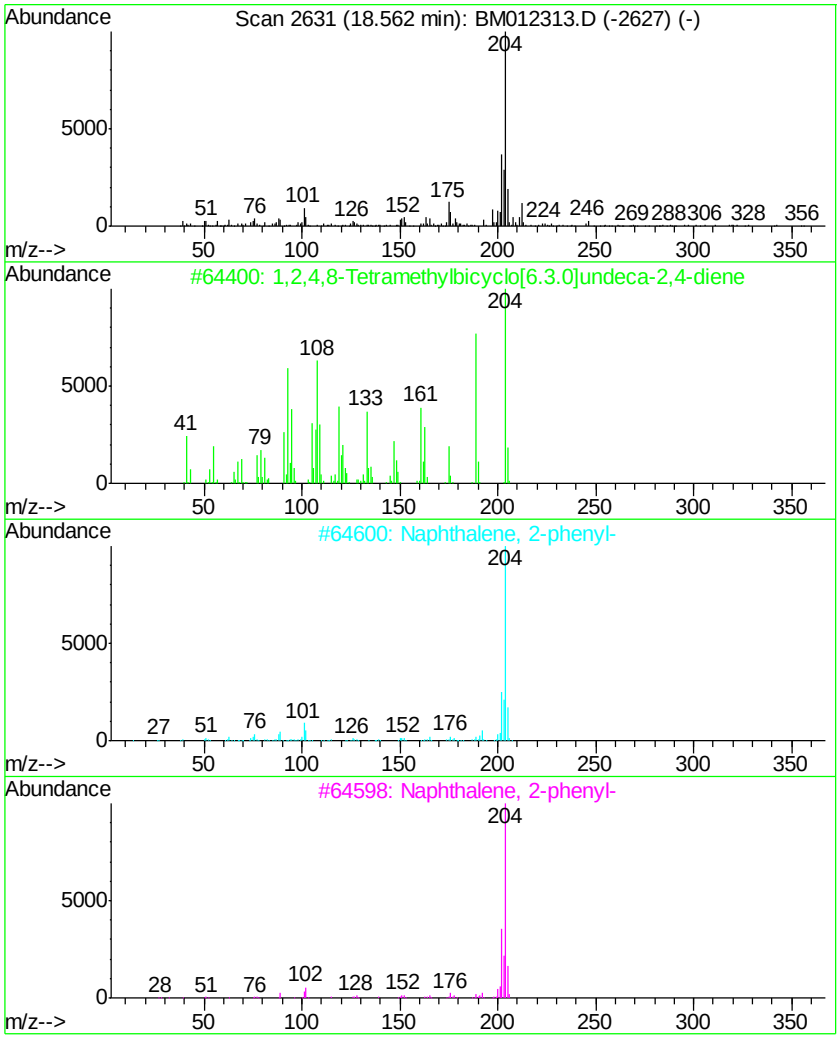
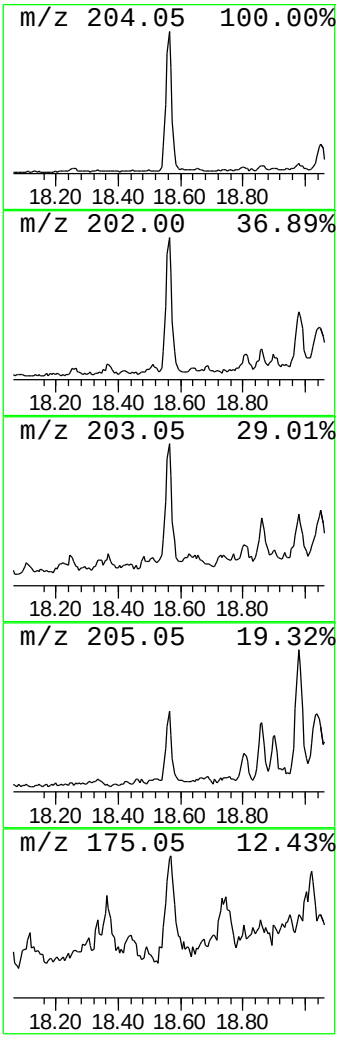
Peak Number 4 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.34 ng/ul	526640	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Quant Title : SVOA CALIBRATION

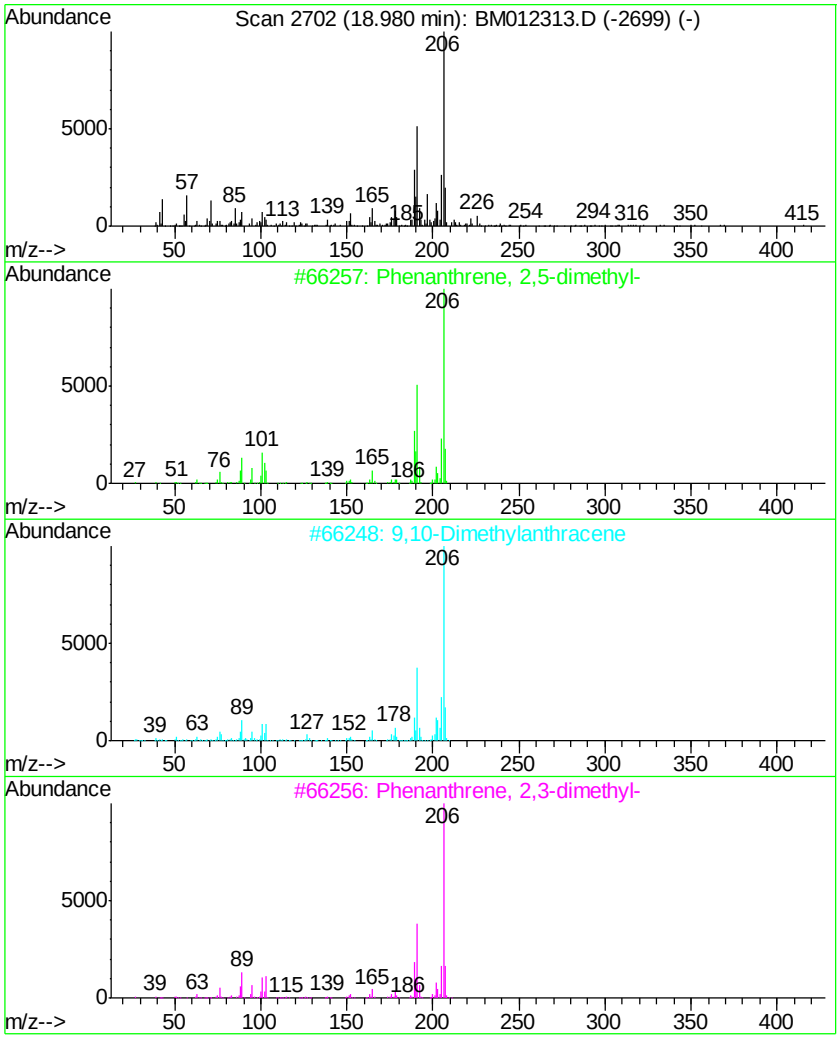
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

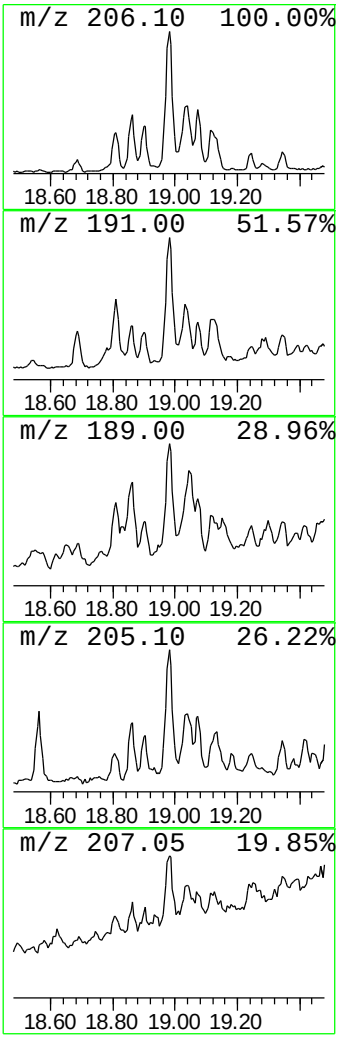
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.00 ng/ul	673686	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





Tentatively Identified Compound (LSC) summary

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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...	18.06	4.3	ng/ul	962228	4	17.19	4496970	20.0
Anthracene, 2-met...	18.11	3.1	ng/ul	705736	4	17.19	4496970	20.0
4H-Cyclopenta[def...	18.26	4.1	ng/ul	922315	4	17.19	4496970	20.0
1,2,4,8-Tetrameth...	18.56	2.3	ng/ul	526640	4	17.19	4496970	20.0
Phenanthrene, 2,5...	18.98	3.0	ng/ul	673686	4	17.19	4496970	20.0