LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012140.D
Acq On : 13 Oct 2017 17:09
Operator : SJ/JU
Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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	5.334	377	382	388	rBV	50025	74946	1.14%	0.133%
2	5.463	398	404	413	rBV	123727	249487	3.81%	0.444%
3	5.816	458	464	474	rBV2	180337	360276	5.50%	0.641%
4	7.016	664	668	673	rBV2	95924	165863	2.53%	0.295%
5	7.169	688	694	700	rBV	85263	149238	2.28%	0.265%
6	7.375	723	729	736	rBV	131267	220060	3.36%	0.391%
7	7.439	736	740	743	rVV	59586	85111	1.30%	0.151%
8	7.481	743	747	753	rVB	56293	86690	1.32%	0.154%
9	7.839	802	808	822	rVB	743181	1258918	19.21%	2.239%
10	8.098	846	852	861	rVB	269569	462209	7.05%	0.822%
11	8.563	925	931	941	rBV	135747	267863	4.09%	0.476%
12	8.651	941	946	957	rVB8	24162	66409	1.01%	0.118%
13	9.016	1000	1008	1010	rBV	118747	204692	3.12%	0.364%
14	9.157	1024	1032	1046	rVB3	26659	86088	1.31%	0.153%
15	9.275	1046	1052	1055	rBV4	37767	68364	1.04%	0.122%
16	9.733	1124	1130	1140	rVB	94400	194423	2.97%	0.346%
17	10.280	1216	1223	1229	rBV	163870	304816	4.65%	0.542%
18	10.351	1229	1235	1246	rVB	203758	372166	5.68%	0.662%
19	10.645	1279	1285	1292	rBV	1069469	1791893	27.35%	3.187%
20	10.792	1303	1310	1314	rBV2	109597	212575	3.24%	0.378%
21	12.874	1659	1664	1670	rBV	63910	117608	1.79%	0.209%
22	13.063	1691	1696	1704	rBV5	38360	81301	1.24%	0.145%
23	13.198	1714	1719	1725	rBV2	49392	76848	1.17%	0.137%
24	13.369	1744	1748	1752	rBV2	44493	72092	1.10%	0.128%
25	13.898	1829	1838	1842	rBV	343259	516615	7.88%	0.919%
26	13.945	1842	1846	1852	rVB	218248	322388	4.92%	0.573%
27	14.186	1882	1887	1896	rBV	357084	576836	8.80%	1.026%
28	14.345	1905	1914	1915	rBV4	44137	94627	1.44%	0.168%
29	14.498	1933	1940	1946	rBV2	1806405	2832130	43.22%	5.037%
30	14.557	1946	1950	1957	rVB	113811	175575	2.68%	0.312%
31	14.798	1988	1991	1998	rVB9	32086	66909	1.02%	0.119%
32	14.898	2004	2008	2011	rBV2	47737	82883	1.26%	0.147%
33	15.310	2073	2078	2086	rVB2	70379	161777	2.47%	0.288%
34	15.486	2103	2108	2114	rBV	599231	881285	13.45%	1.567%

LSC Area Percent Report

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Acq On : 13 Oct 2017 17:09
Operator : SJ/JU
Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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

35	15.545	2114	2118	2122	rVB	83471	114831	1.75%	0.204%
36	15.662	2131	2138	2142	rBV5	87346	149015	2.27%	0.265%
37	15.986	2189	2193	2201	rBV3	31742	67384	1.03%	0.120%
38	16.180	2222	2226	2228	rBV2	61293	81019	1.24%	0.144%
39	16.633	2299	2303	2308	rVB8	35433	66752	1.02%	0.119%
40	16.833	2334	2337	2342	rVB	86781	120496	1.84%	0.214%
41	16.992	2357	2364	2369	rBV3	88499	210247	3.21%	0.374%
42	17.062	2373	2376	2382	rVB	60787	90883	1.39%	0.162%
43	17.245	2400	2407	2410	rBV	2063179	2955079	45.10%	5.256%
44	17.286	2410	2414	2419	rVV	1151551	1643234	25.08%	2.923%
45	17.339	2419	2423	2427	rVV	497308	784207	11.97%	1.395%
46	17.374	2427	2429	2435	rVB	334096	422000	6.44%	0.751%
47	18.115	2550	2555	2559	rBV	548051	754503	11.51%	1.342%
48	18.168	2560	2564	2571	rVB2	242479	415761	6.34%	0.739%
49	18.245	2574	2577	2581	rBV	86581	121900	1.86%	0.217%
50	18.315	2581	2589	2593	rBV3	347575	743559	11.35%	1.322%
51	18.386	2599	2601	2604	rBV	63674	80014	1.22%	0.142%
52	18.433	2604	2609	2618	rVB	169436	359304	5.48%	0.639%
53	18.615	2636	2640	2644	rBV	151194	209895	3.20%	0.373%
54	18.851	2677	2680	2686	rVB4	122951	219301	3.35%	0.390%
55	19.033	2708	2711	2715	rBV2	132489	179910	2.75%	0.320%
56	19.303	2751	2757	2762	rBV	4456538	5996585	91.51%	10.665%
57	19.392	2769	2772	2778	rBV3	366761	566011	8.64%	1.007%
58	19.633	2808	2813	2815	rBV2	1298285	1831717	27.95%	3.258%
59	19.668	2815	2819	2827	rVV	3639758	5198664	79.33%	9.246%
60	19.733	2827	2830	2837	rVB3	247295	422956	6.45%	0.752%
61	20.162	2900	2903	2909	rVB	858102	1039473	15.86%	1.849%
62	20.256	2916	2919	2923	rBV	745964	940433	14.35%	1.673%
63	21.103	3061	3063	3067	rVB	581341	640140	9.77%	1.139%
64	21.415	3111	3116	3121	rBV3	3392253	6552819	100.00%	11.655%
65	21.462	3121	3124	3129	rVB	2393439	2880027	43.95%	5.122%
66	23.050	3389	3394	3399	rBV	1925282	4525970	69.07%	8.050%
67	23.656	3493	3497	3505	rVB	1681860	3099691	47.30%	5.513%

Sum of corrected areas: 56224741

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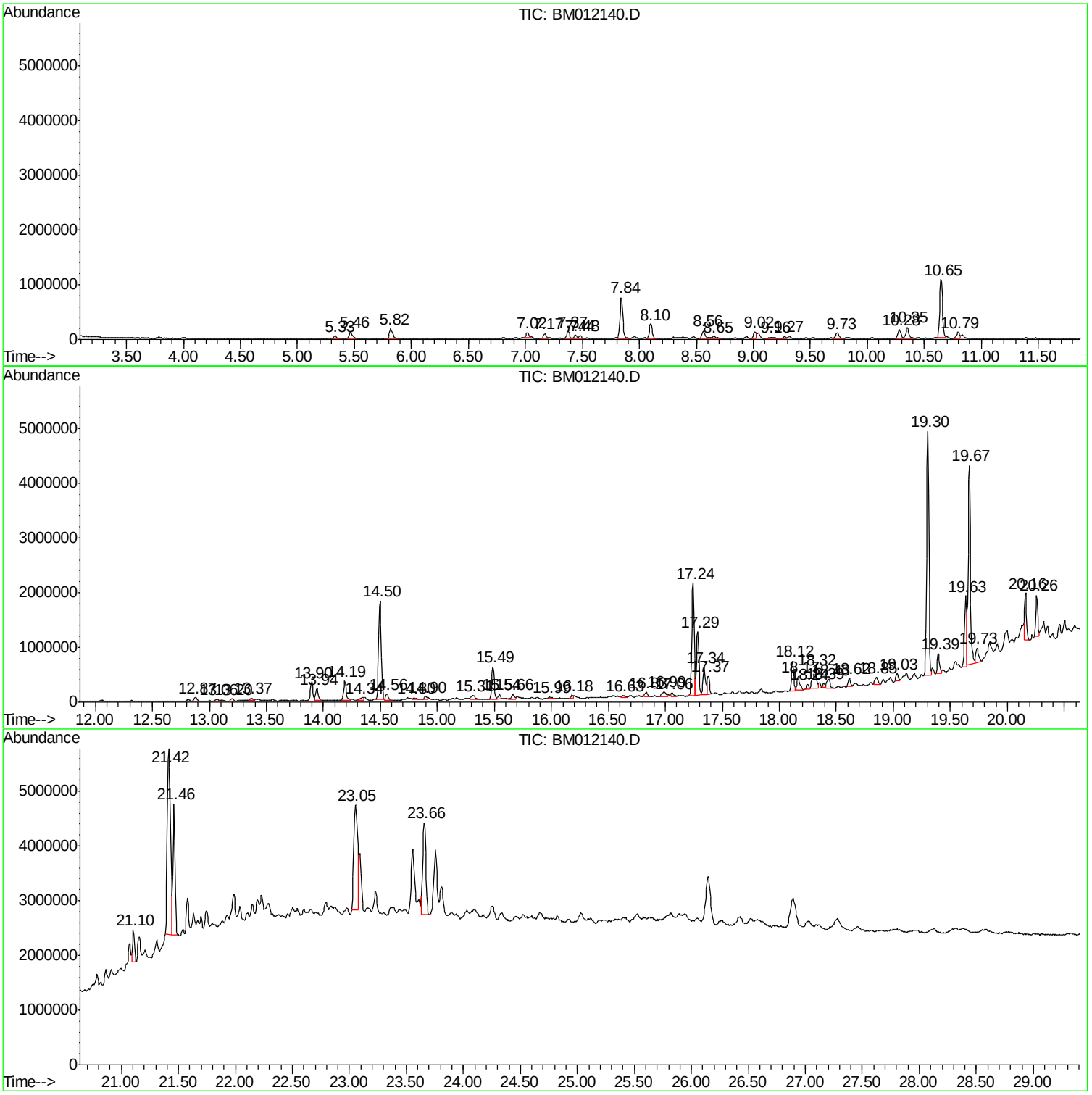
Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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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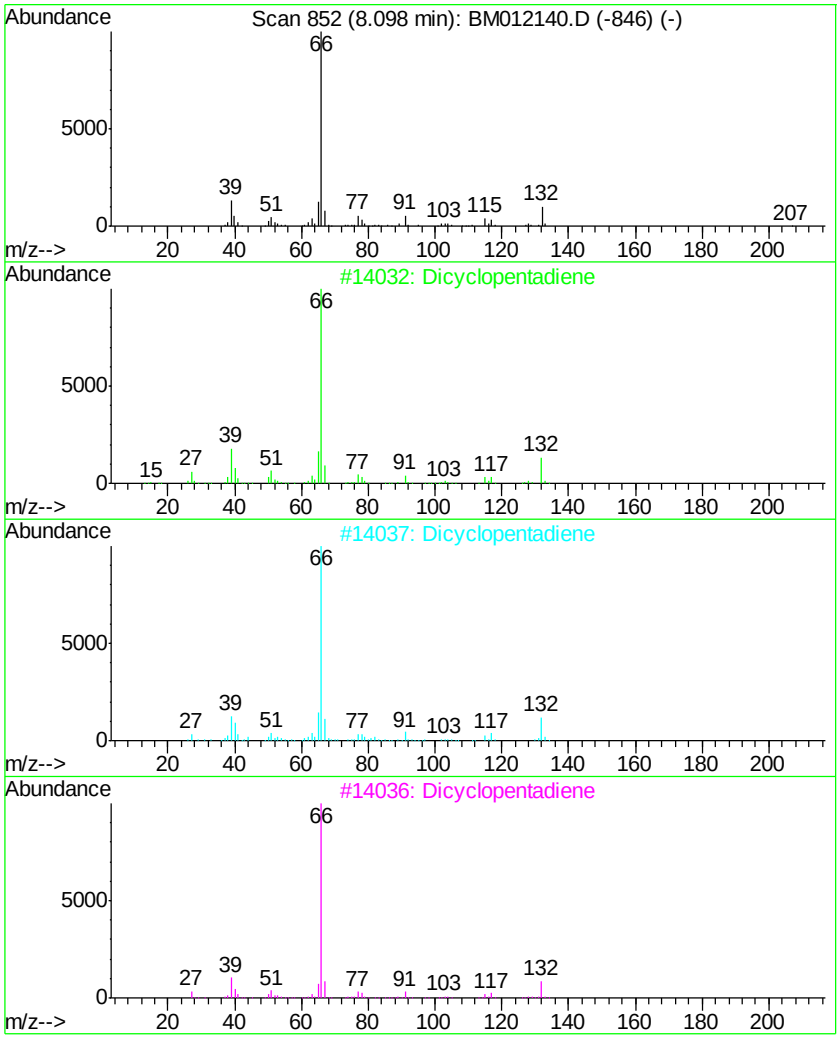
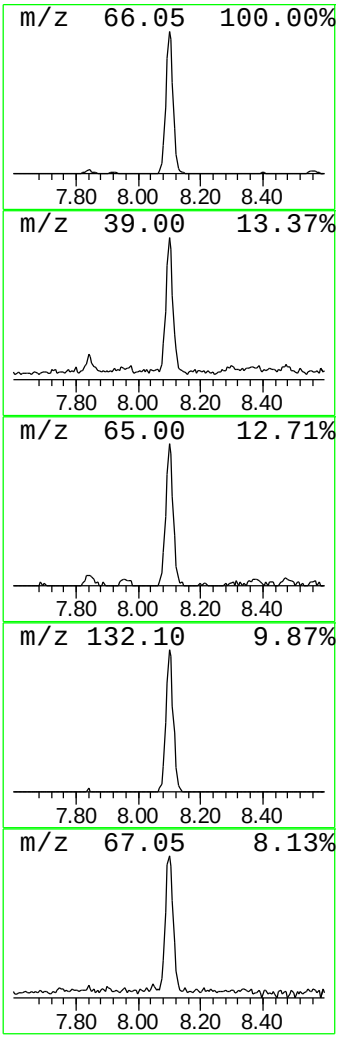
****

Peak Number 3 Dicyclopentadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	7.34 ng/ul	462209	1,4-Dichlorobenzene-d4	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopentadiene	132	C10H12	000077-73-6	95
2	Dicyclopentadiene	132	C10H12	000077-73-6	91
3	Dicyclopentadiene	132	C10H12	000077-73-6	91
4	Cyclobuta[1,2:3,4]dicyclopentene...	132	C10H12	105226-58-2	91
5	Dicyclopentadiene	132	C10H12	000077-73-6	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012140.D
Acq On : 13 Oct 2017 17:09
Operator : SJ/JU
Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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

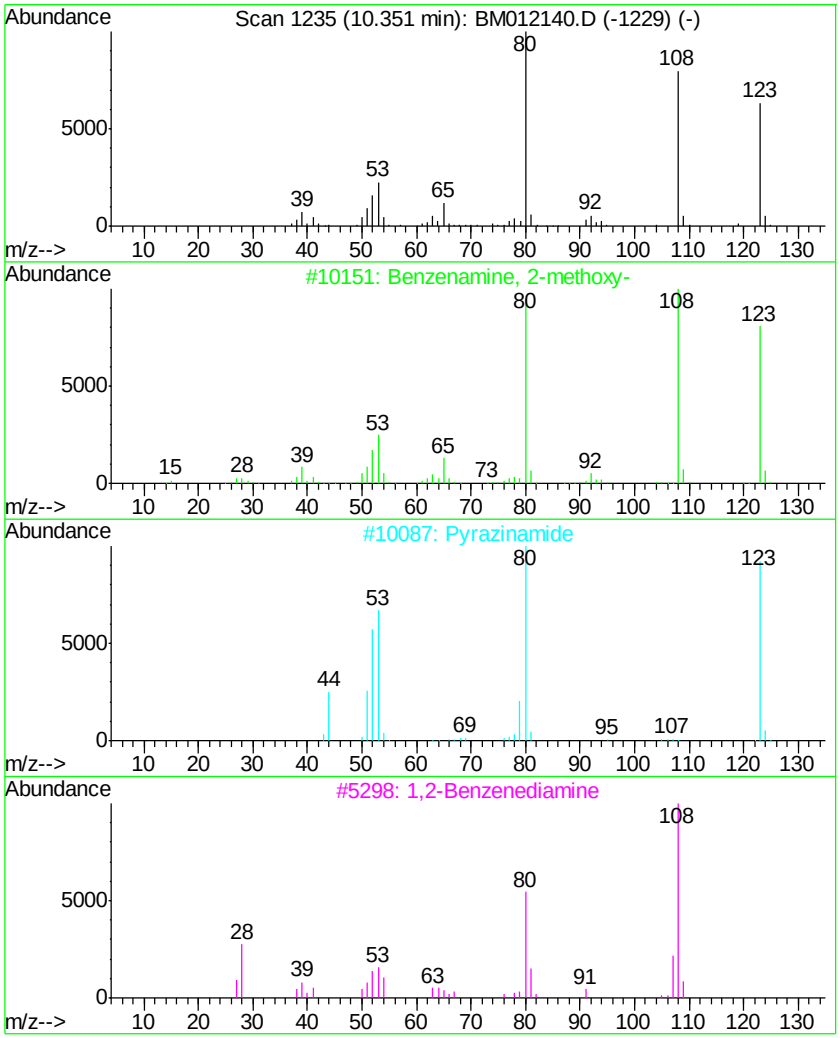
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

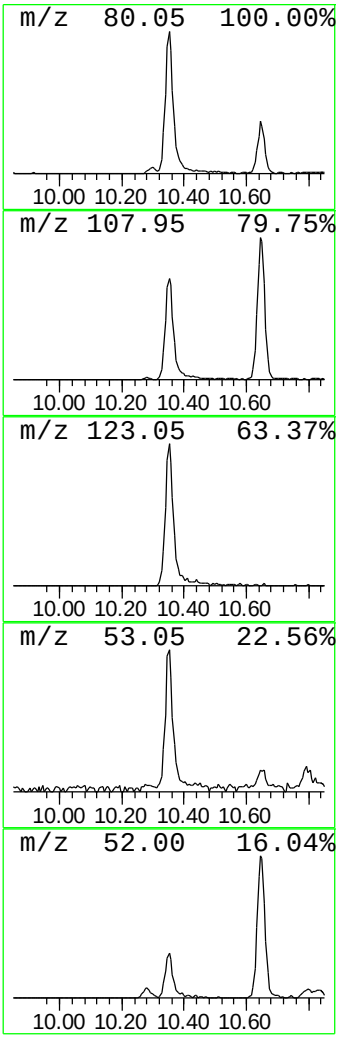
****

Peak Number 4 Benzenamine, 2-methoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	4.15 ng/ul	372166	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	94
2	Pyrazinamide	123	C5H5N3O	000098-96-4	74
3	1,2-Benzenediamine	108	C6H8N2	000095-54-5	72
4	2-Pyridinamine, 5-methyl-	108	C6H8N2	001603-41-4	56
5	1,4-Benzenediamine	108	C6H8N2	000106-50-3	56





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Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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

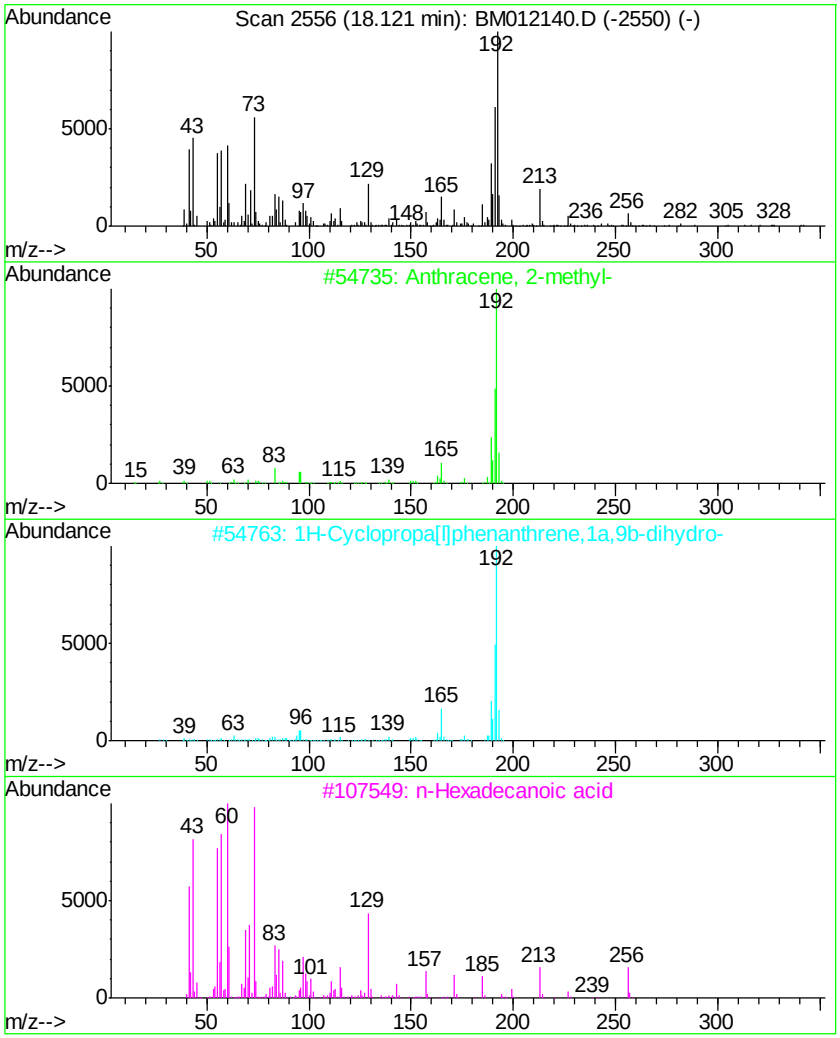
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

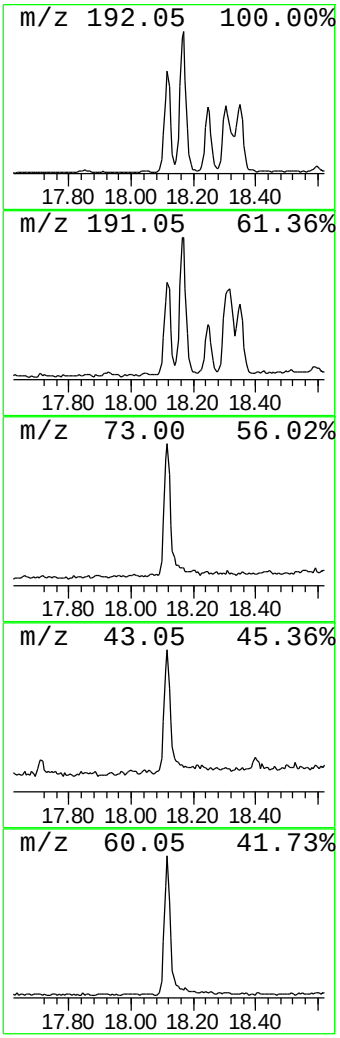
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.11 ng/ul	754503	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012140.D
Acq On : 13 Oct 2017 17:09
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Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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

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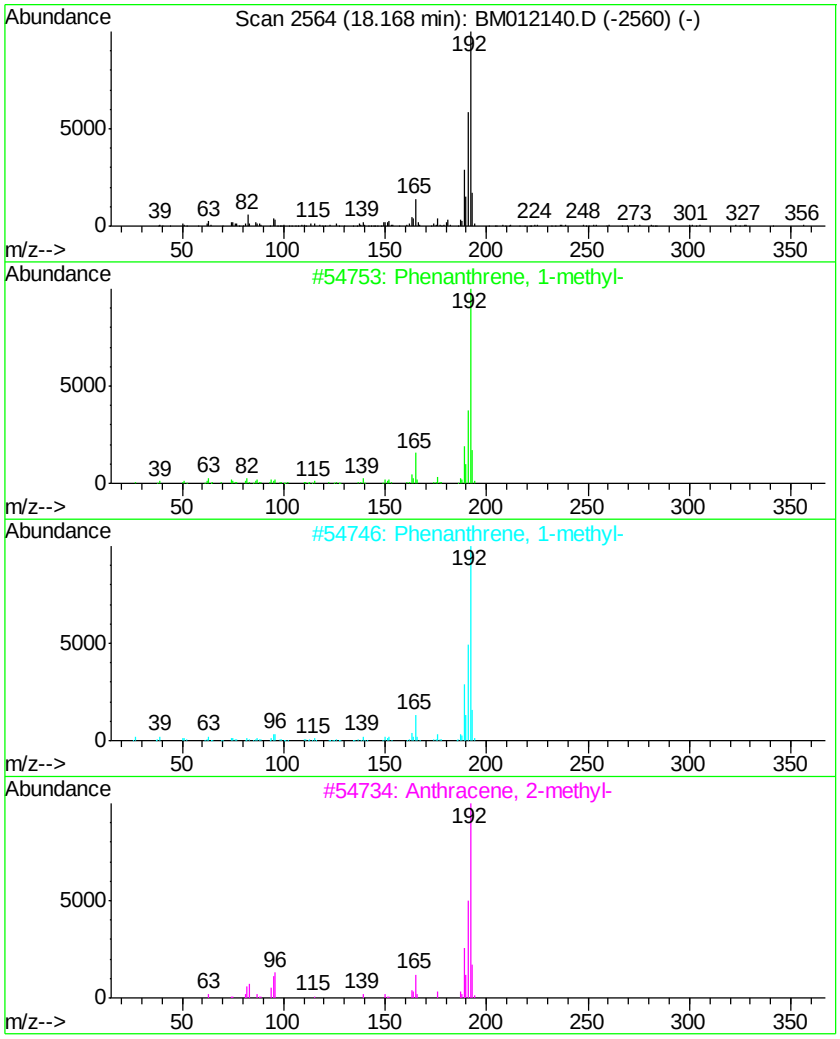
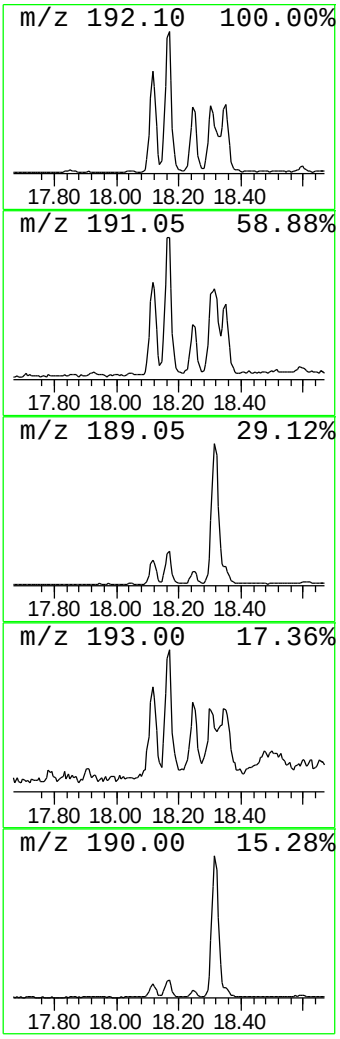
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.81 ng/ul	415761	Phenanthrene-d10	17.24

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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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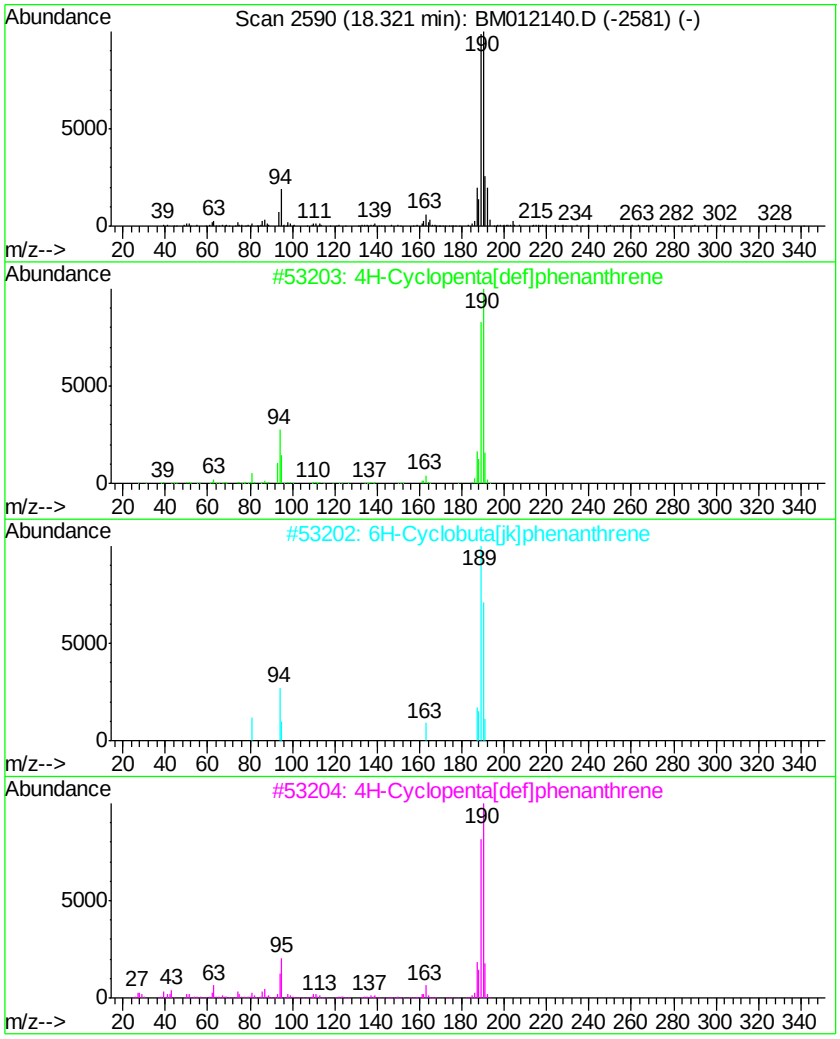
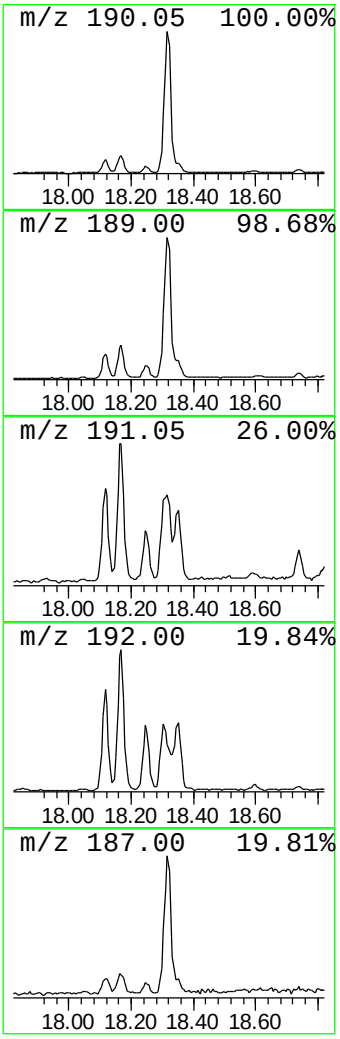
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	5.03 ng/ul	743559	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





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Quant Title : SVOA CALIBRATION

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

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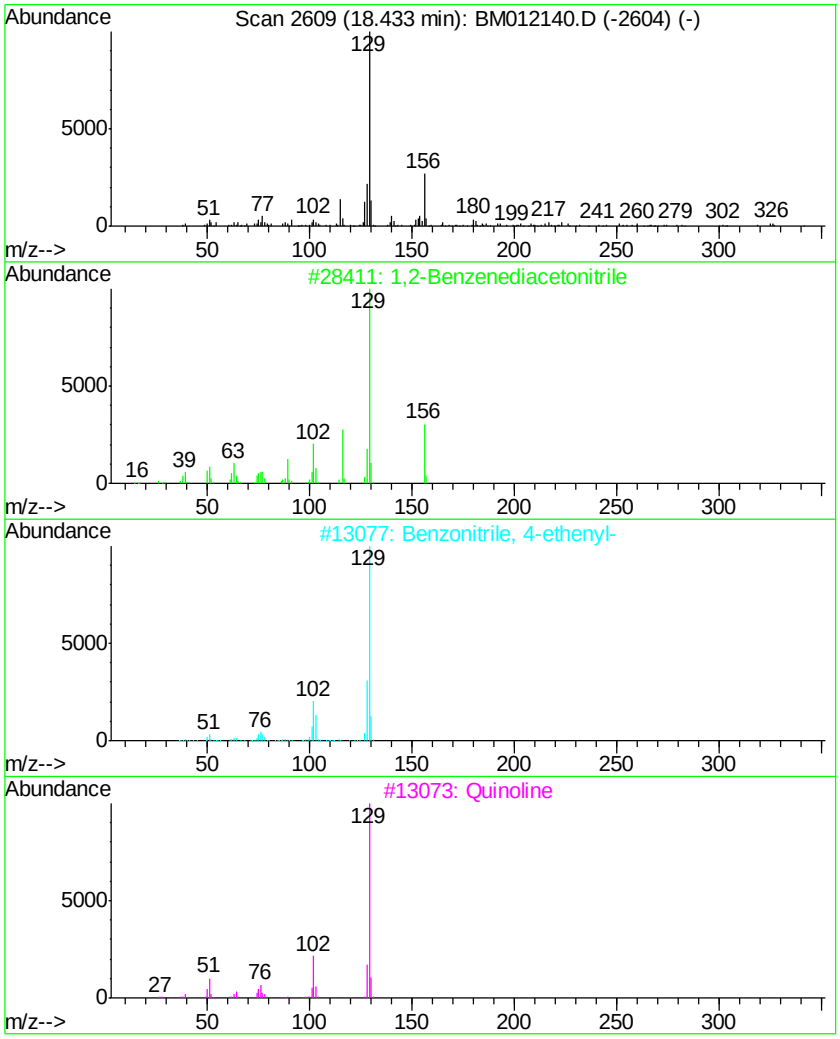
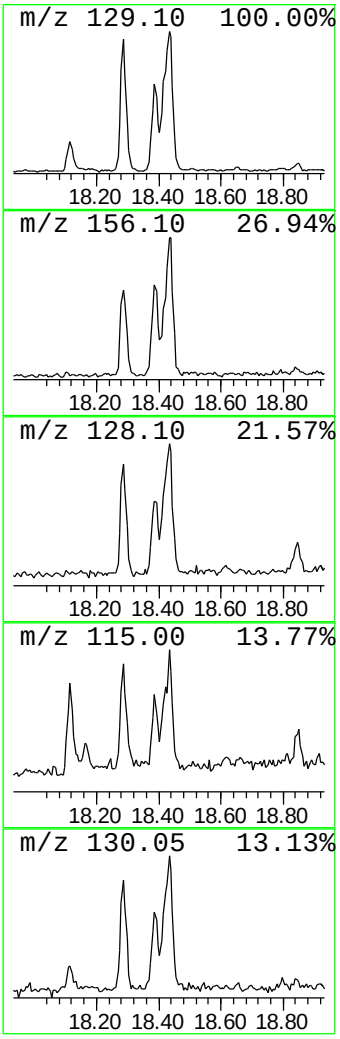
Peak Number 8 1,2-Benzenediacetonitrile Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.43 ng/ul	359304	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	56
2	Benzonitrile, 4-ethenyl-	129	C9H7N	003435-51-6	53
3	Quinoline	129	C9H7N	000091-22-5	53
4	Quinoline-8-carboxylic acid	173	C10H7NO2	000086-59-9	45
5	Isoquinoline	129	C9H7N	000119-65-3	42





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012140.D
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Operator : SJ/JU
Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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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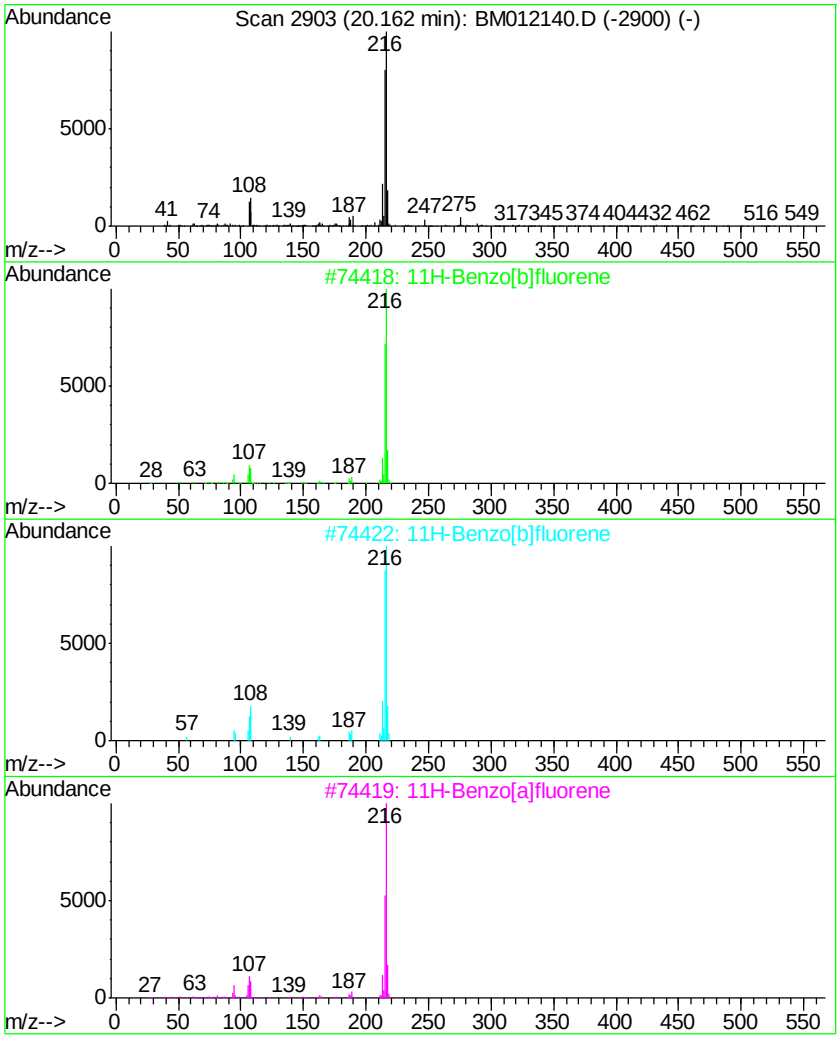
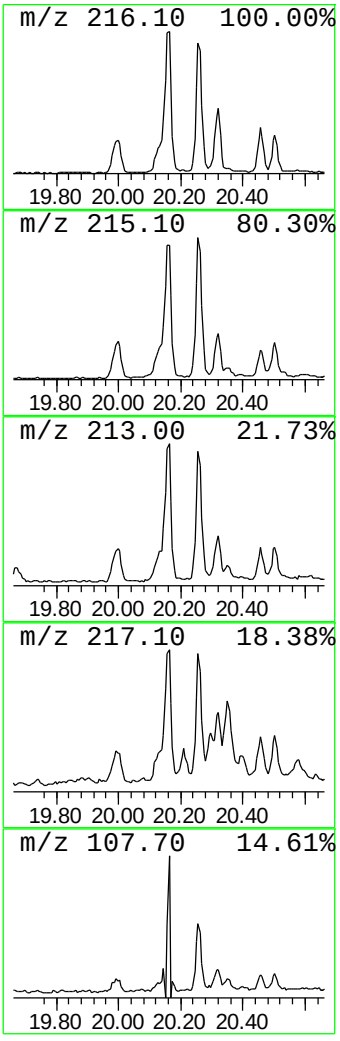
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.17 ng/ul	1039470	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Operator : SJ/JU
Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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

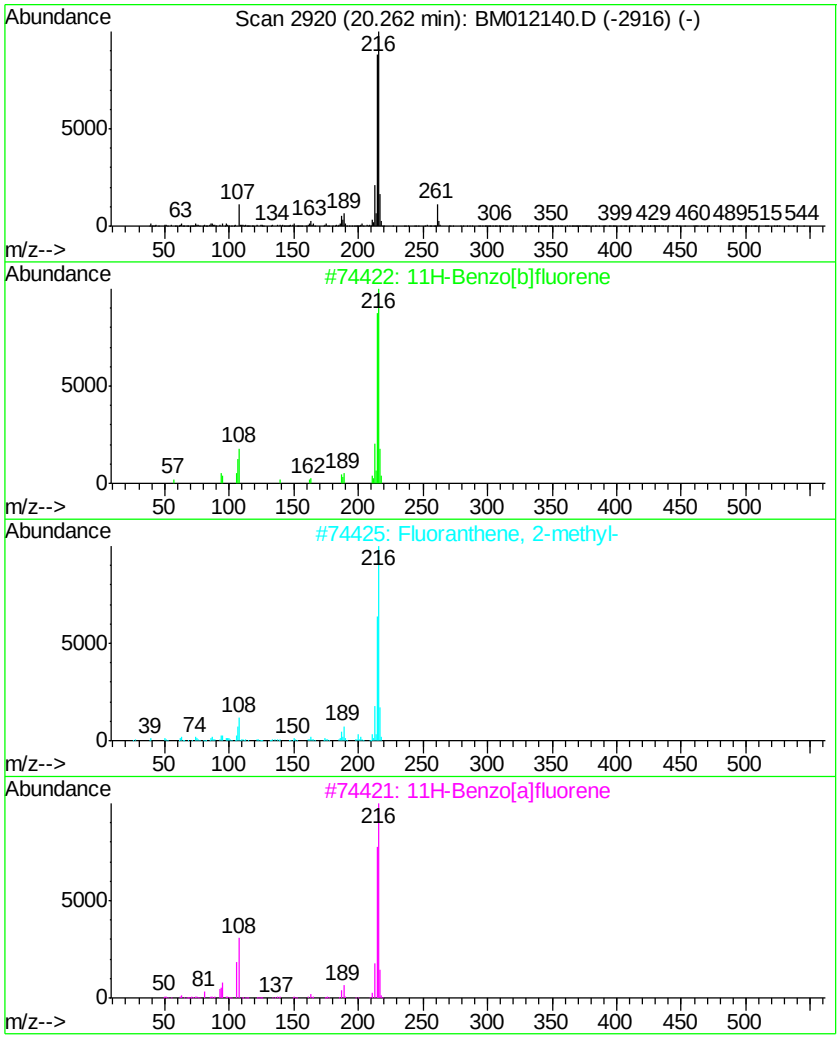
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

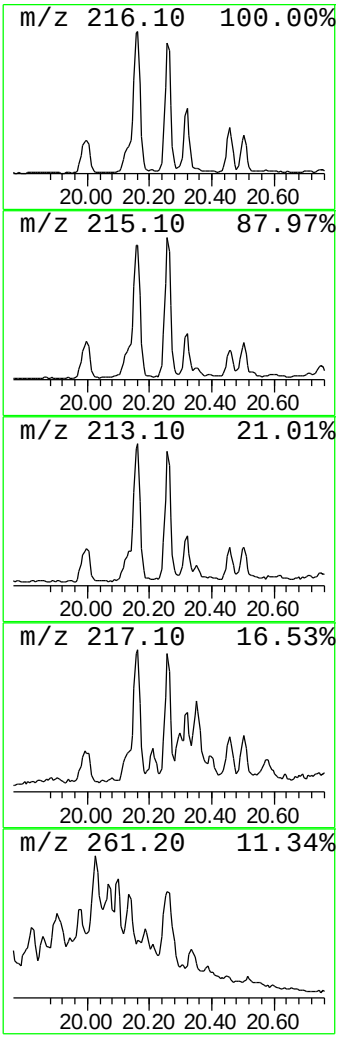
****

Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.87 ng/ul	940433	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012140.D
Acq On : 13 Oct 2017 17:09
Operator : SJ/JU
Sample : I5568-06DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-29(0-1)-092917DL

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
Dicyclopentadiene	8.10	7.3	ng/ul	462209	1	7.84	1258920	20.0
Benzenamine, 2-me...	10.35	4.2	ng/ul	372166	2	10.65	1791890	20.0
Anthracene, 2-met...	18.12	5.1	ng/ul	754503	4	17.24	2955080	20.0
Phenanthrene, 1-m...	18.17	2.8	ng/ul	415761	4	17.24	2955080	20.0
4H-Cyclopenta[def...	18.32	5.0	ng/ul	743559	4	17.24	2955080	20.0
1,2-Benzenediacet...	18.43	2.4	ng/ul	359304	4	17.24	2955080	20.0
11H-Benzo[b]fluorene	20.16	3.2	ng/ul	1039470	5	21.43	6552820	20.0
11H-Benzo[a]fluorene	20.26	2.9	ng/ul	940433	5	21.43	6552820	20.0