LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012835.D
Acq On : 08 Nov 2017 23:30
Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

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-BM110417MA.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	3.805	117	122	127	rBV	30023	38641	1.29%	0.085%
2	4.022	154	159	165	rBV	109484	148575	4.96%	0.325%
3	5.457	398	403	417	rVB	37689	76421	2.55%	0.167%
4	5.822	459	465	470	rVB2	40497	56401	1.88%	0.123%
5	6.893	642	647	652	rVB	68654	96018	3.20%	0.210%
6	6.981	652	662	676	rVB	414408	842199	28.09%	1.844%
7	7.134	681	688	694	rBV	358703	535771	17.87%	1.173%
8	7.193	694	698	702	rVB	26035	36710	1.22%	0.080%
9	7.340	716	723	732	rBV	465169	744021	24.81%	1.629%
10	7.446	732	741	749	rVB2	90733	177734	5.93%	0.389%
11	7.798	794	801	810	rBV	535125	855628	28.54%	1.873%
12	7.916	816	821	829	rVB3	22161	42551	1.42%	0.093%
13	8.510	916	922	931	rBV	519356	846956	28.25%	1.854%
14	8.957	992	998	1005	rBV	441358	714499	23.83%	1.564%
15	9.681	1114	1121	1132	rBV	346134	593347	19.79%	1.299%
16	10.222	1206	1213	1221	rBV	596048	1006399	33.57%	2.203%
17	10.592	1267	1276	1282	rBV	733131	1246958	41.59%	2.730%
18	10.639	1282	1284	1290	rVB	28547	38186	1.27%	0.084%
19	10.734	1291	1300	1317	rBV	395581	732628	24.43%	1.604%
20	11.910	1494	1500	1507	rBB2	28035	45758	1.53%	0.100%
21	13.851	1819	1830	1834	rBV	1083626	1544471	51.51%	3.381%
22	13.892	1834	1837	1847	rVB	294458	407429	13.59%	0.892%
23	14.133	1867	1878	1887	rBV	1277818	1847057	61.60%	4.043%
24	14.439	1921	1930	1937	rBV2	1134413	1695025	56.53%	3.711%
25	14.504	1937	1941	1947	rVB2	94812	132869	4.43%	0.291%
26	14.663	1961	1968	1979	rBV	272512	487408	16.26%	1.067%
27	14.839	1994	1998	2007	rVB2	46617	96778	3.23%	0.212%
28	15.292	2071	2075	2081	rVB2	27435	36572	1.22%	0.080%
29	15.433	2093	2099	2105	rBV	1673019	2293355	76.49%	5.020%
30	15.492	2105	2109	2115	rVB	77948	112760	3.76%	0.247%
31	15.574	2119	2123	2128	rBV2	74597	120793	4.03%	0.264%
32	15.669	2133	2139	2142	rBV4	20049	44061	1.47%	0.096%
33	15.798	2154	2161	2166	rVB2	199166	280456	9.35%	0.614%
34	15.933	2175	2184	2190	rBV	23359	52208	1.74%	0.114%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012835.D
Acq On : 08 Nov 2017 23:30
Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

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-BM110417MA.M
Title : SVOA CALIBRATION

35	16.151	2214	2221	2229	rBV3	46999	94337	3.15%	0.207%
36	16.492	2273	2279	2283	rVB5	23346	36150	1.21%	0.079%
37	16.845	2334	2339	2345	rVB	46635	72844	2.43%	0.159%
38	16.939	2345	2355	2359	rBV4	45483	91877	3.06%	0.201%
39	17.004	2362	2366	2373	rVB	55504	88285	2.94%	0.193%
40	17.186	2391	2397	2401	rBV2	1291082	1853502	61.82%	4.057%
41	17.227	2401	2404	2409	rVV	968768	1309927	43.69%	2.868%
42	17.286	2409	2414	2418	rVV2	1582697	2343910	78.17%	5.131%
43	17.315	2418	2419	2425	rVV	249118	268563	8.96%	0.588%
44	17.380	2425	2430	2435	rVB3	33930	55693	1.86%	0.122%
45	17.462	2440	2444	2450	rBV7	20644	49424	1.65%	0.108%
46	17.592	2458	2466	2470	rBV2	84822	142348	4.75%	0.312%
47	17.704	2482	2485	2490	rVB3	25731	31204	1.04%	0.068%
48	17.762	2492	2495	2506	rVB8	27754	53323	1.78%	0.117%
49	18.074	2541	2548	2551	rBV2	238328	470660	15.70%	1.030%
50	18.110	2551	2554	2561	rVV	213402	298244	9.95%	0.653%
51	18.186	2564	2567	2572	rVB	69421	98333	3.28%	0.215%
52	18.257	2573	2579	2583	rBV3	210950	394628	13.16%	0.864%
53	18.292	2583	2585	2591	rVB	93359	114050	3.80%	0.250%
54	18.368	2595	2598	2602	rBV6	29483	41879	1.40%	0.092%
55	18.415	2602	2606	2609	rBV5	29899	44312	1.48%	0.097%
56	18.562	2626	2631	2635	rBV	115556	161213	5.38%	0.353%
57	18.610	2636	2639	2645	rVB	68933	94511	3.15%	0.207%
58	18.804	2669	2672	2678	rBV2	46684	64067	2.14%	0.140%
59	18.862	2679	2682	2684	rBV	30724	32972	1.10%	0.072%
60	18.980	2698	2702	2708	rBV2	83216	173369	5.78%	0.380%
61	19.127	2723	2727	2731	rBV3	46293	75222	2.51%	0.165%
62	19.245	2742	2747	2753	rVB	1742315	2228805	74.34%	4.879%
63	19.357	2761	2766	2771	rBV2	136149	233343	7.78%	0.511%
64	19.580	2799	2804	2807	rBV2	1915245	2813036	93.82%	6.158%
65	19.609	2807	2809	2817	rVV	1310688	1530178	51.03%	3.350%
66	19.680	2818	2821	2826	rVB2	78304	119784	4.00%	0.262%
67	20.104	2890	2893	2898	rVB	273062	344786	11.50%	0.755%
68	20.203	2906	2910	2913	rBV	202441	245488	8.19%	0.537%
69	20.498	2957	2960	2964	rVB	174034	196405	6.55%	0.430%
70	21.362	3101	3107	3111	rBV2	1602254	2998317	100.00%	6.564%
71	21.403	3111	3114	3119	rVB	769804	930387	31.03%	2.037%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

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-BM110417MA.M
Title : SVOA CALIBRATION

72	22.968	3375	3380	3393	rVB	697817	2173701	72.50%	4.758%
73	23.456	3459	3463	3467	rBV	322614	560968	18.71%	1.228%
74	23.509	3467	3472	3476	rVV	1159930	2129134	71.01%	4.661%
75	23.550	3476	3479	3486	rVB	628135	1085578	36.21%	2.376%
76	23.650	3491	3496	3502	rBV2	864033	1509776	50.35%	3.305%

Sum of corrected areas: 45681176

LSC Report - Integrated Chromatogram

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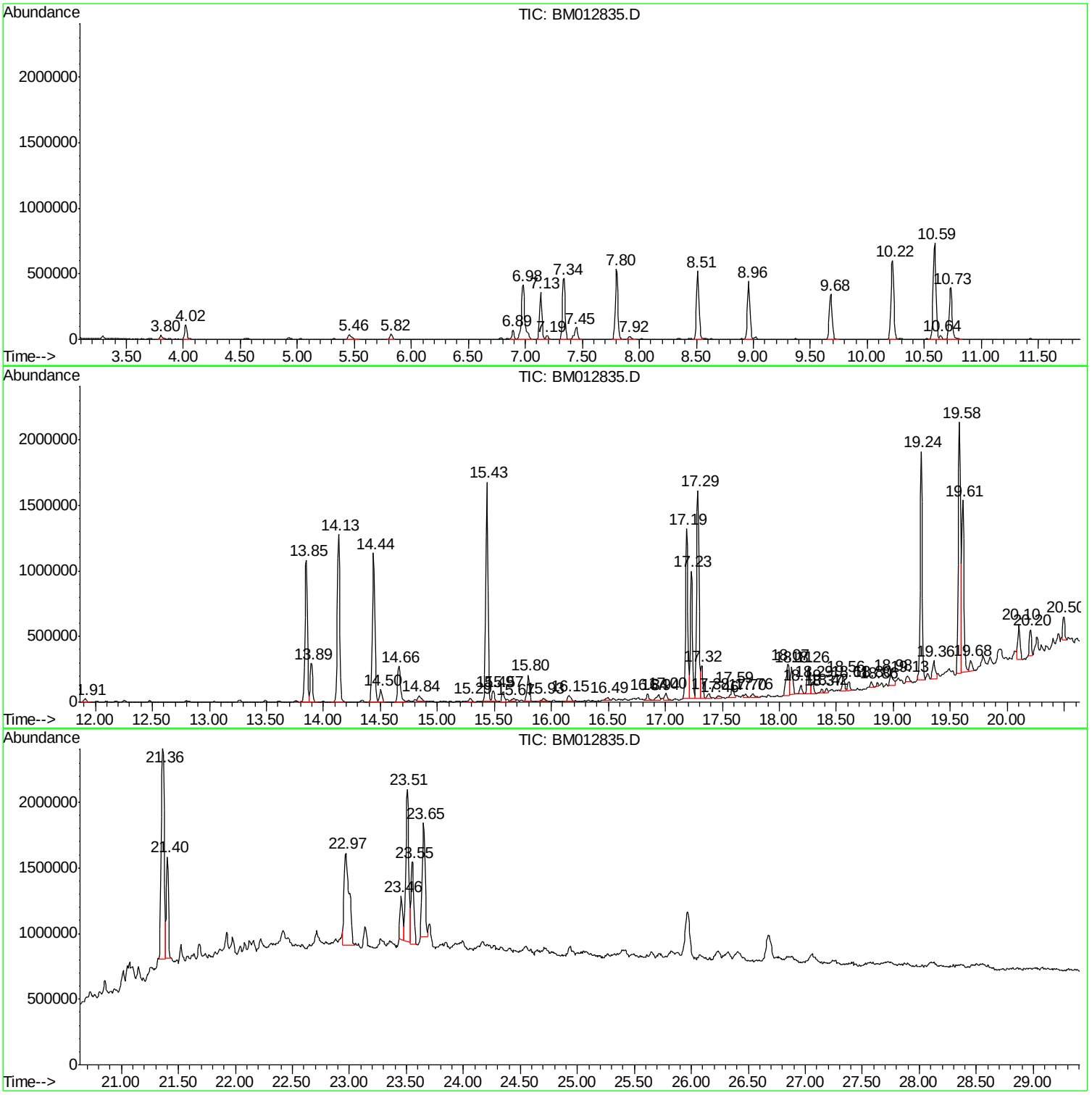
Data File : BM012835.D
Acq On : 08 Nov 2017 23:30
Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012835.D
Acq On : 08 Nov 2017 23:30
Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

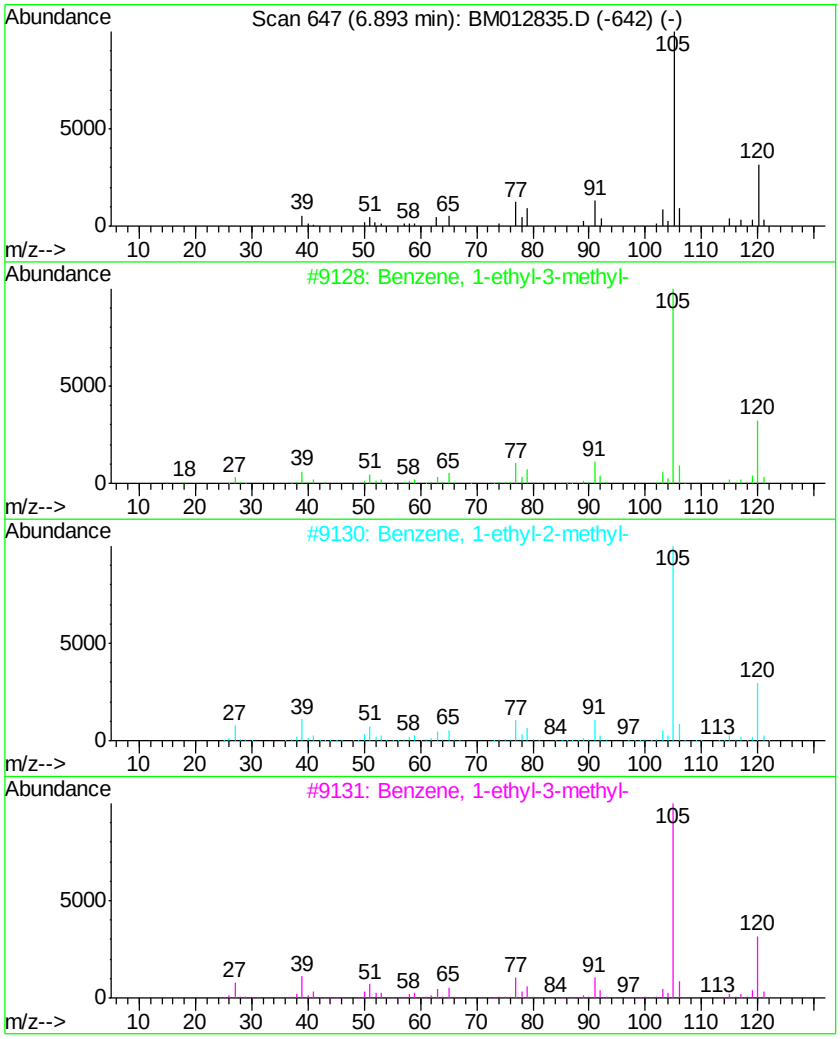
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

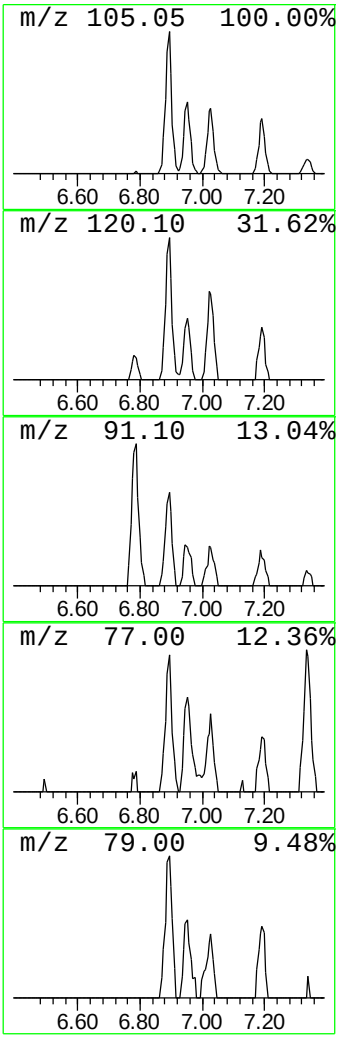
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	2.24 ng/ul	96018	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012835.D
Acq On : 08 Nov 2017 23:30
Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

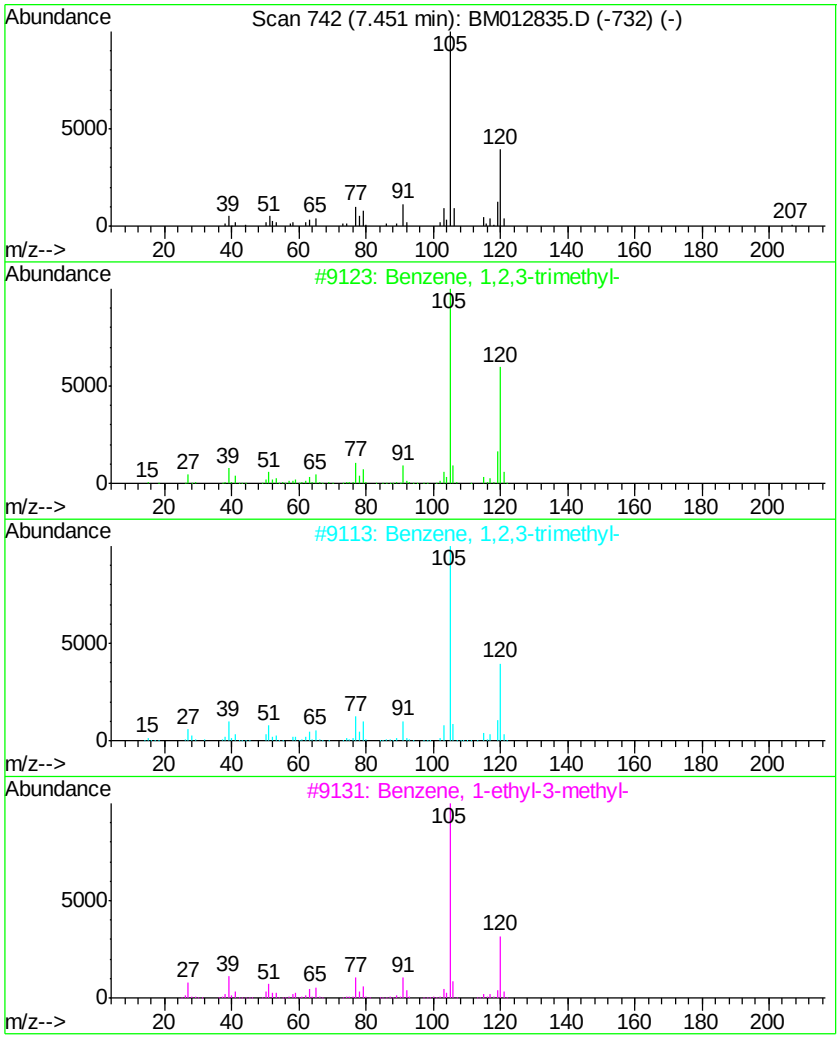
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

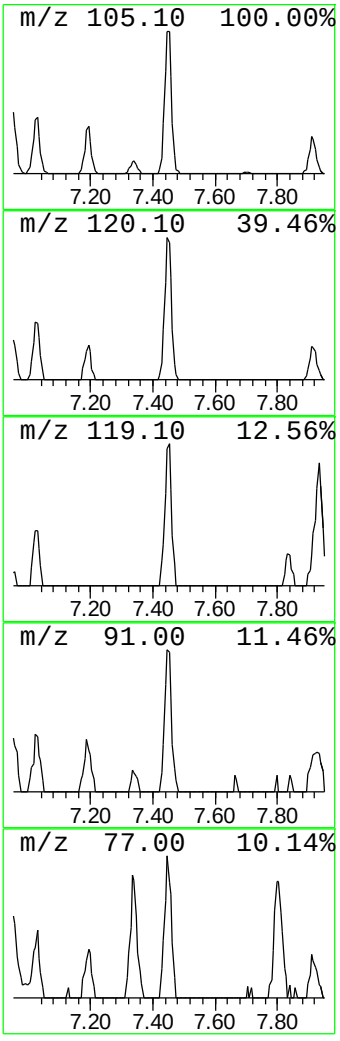
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	4.15 ng/ul	177734	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
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Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

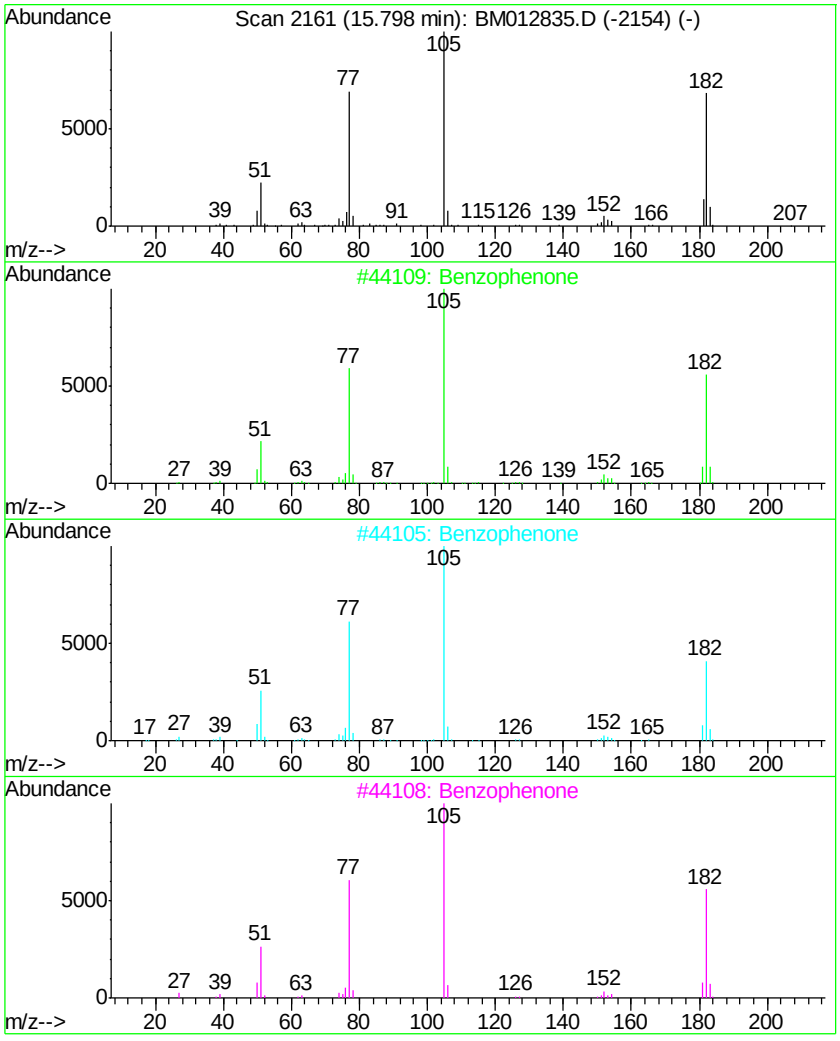
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

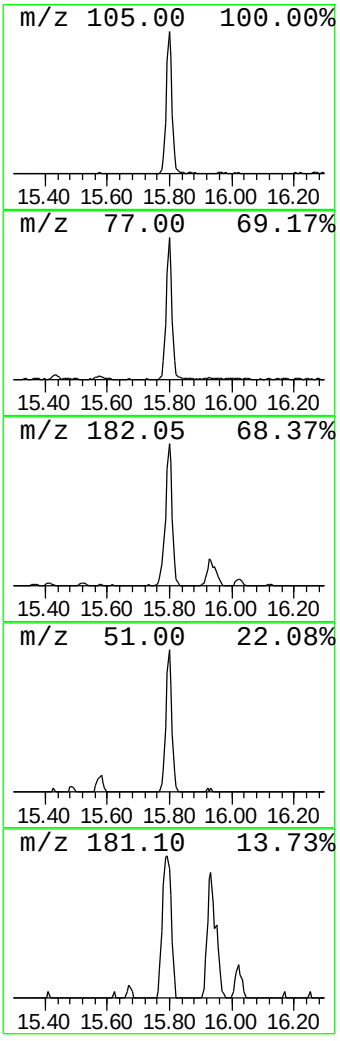
****

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	3.31 ng/ul	280456	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	96
3	Benzophenone	182	C13H10O	000119-61-9	96
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Benzophenone	182	C13H10O	000119-61-9	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012835.D
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Sample : I6150-07
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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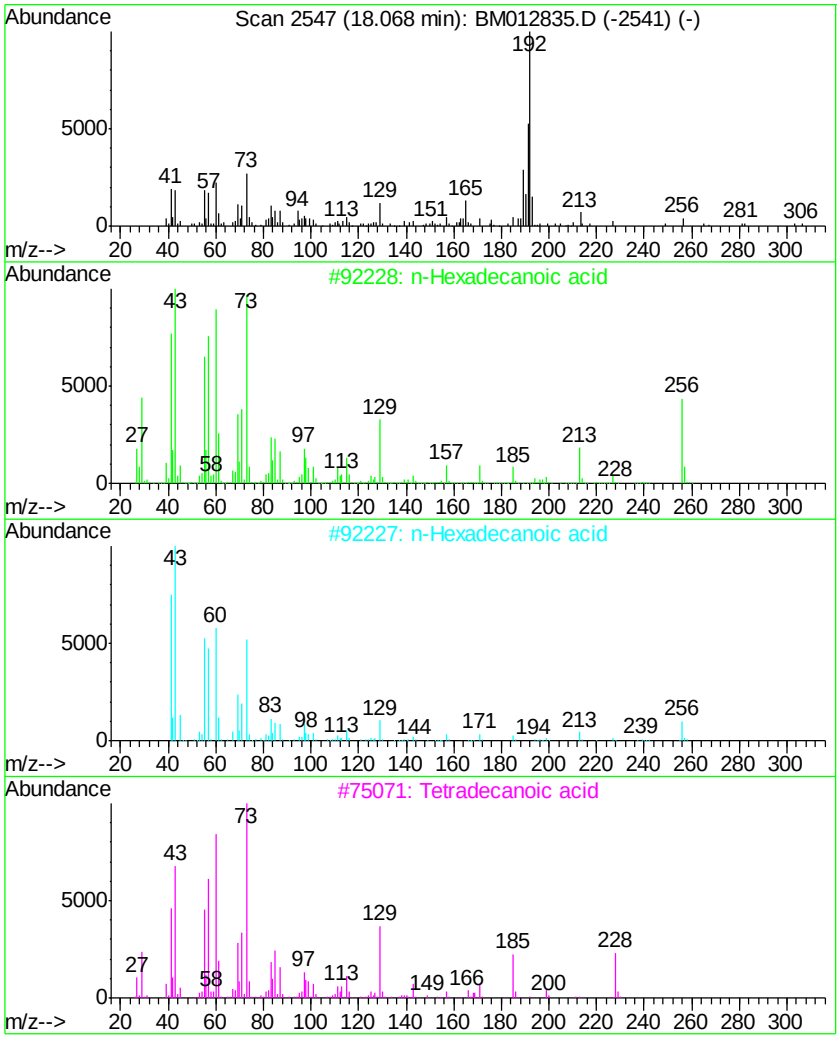
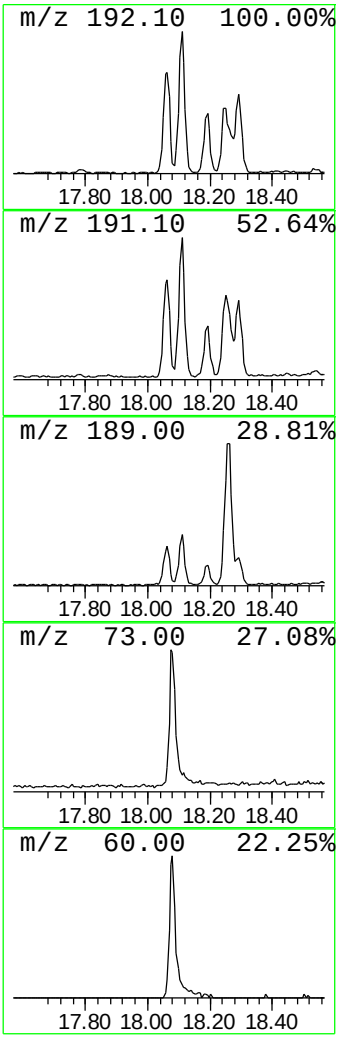
Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	5.08 ng/ul	470660	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Tridecanoic acid	214	C13H26O2	000638-53-9	83





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Data File : BM012835.D
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Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

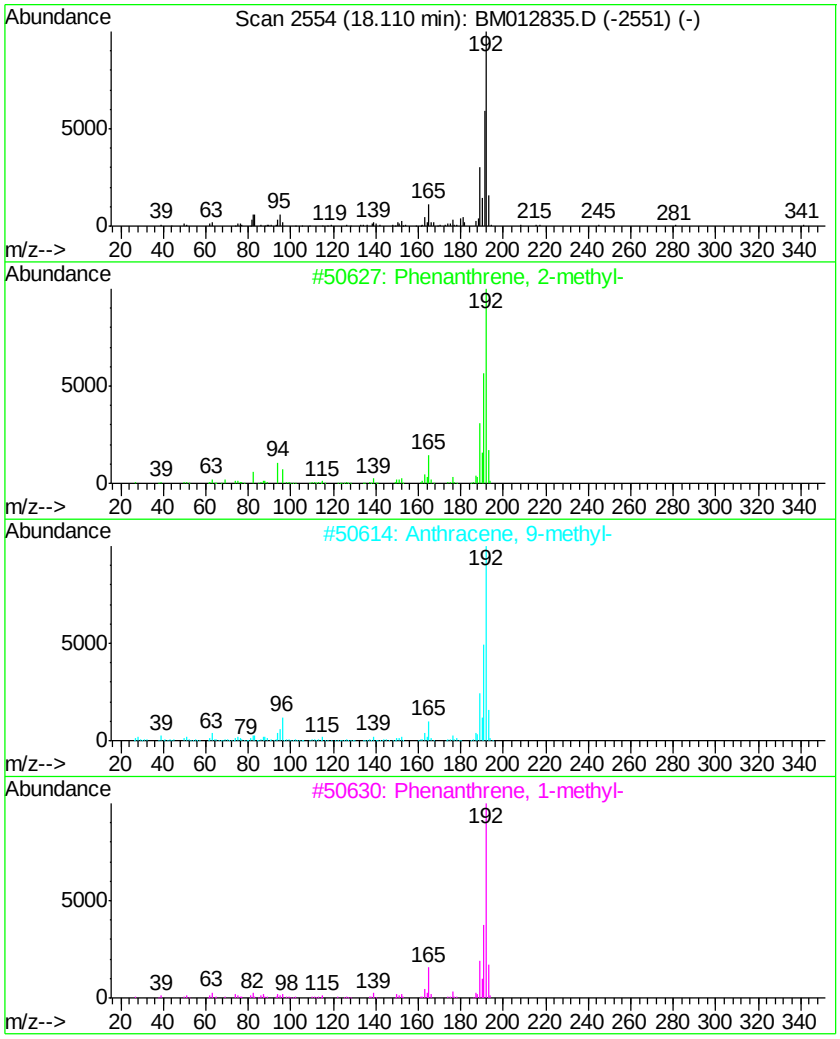
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

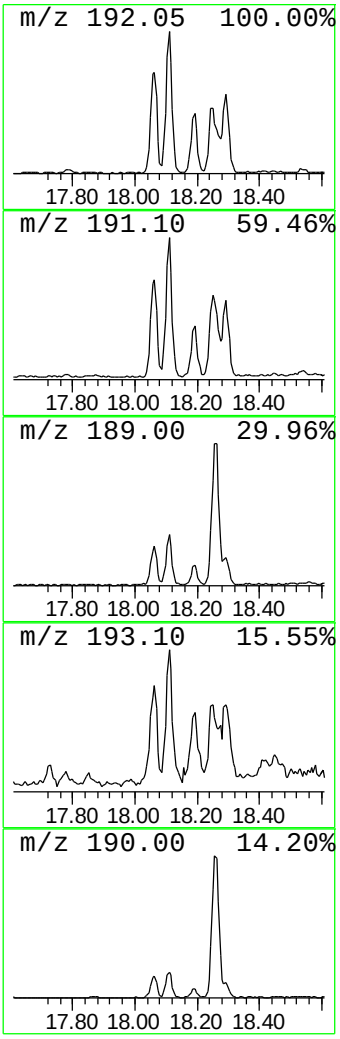
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	3.22 ng/ul	298244	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Data File : BM012835.D
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Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

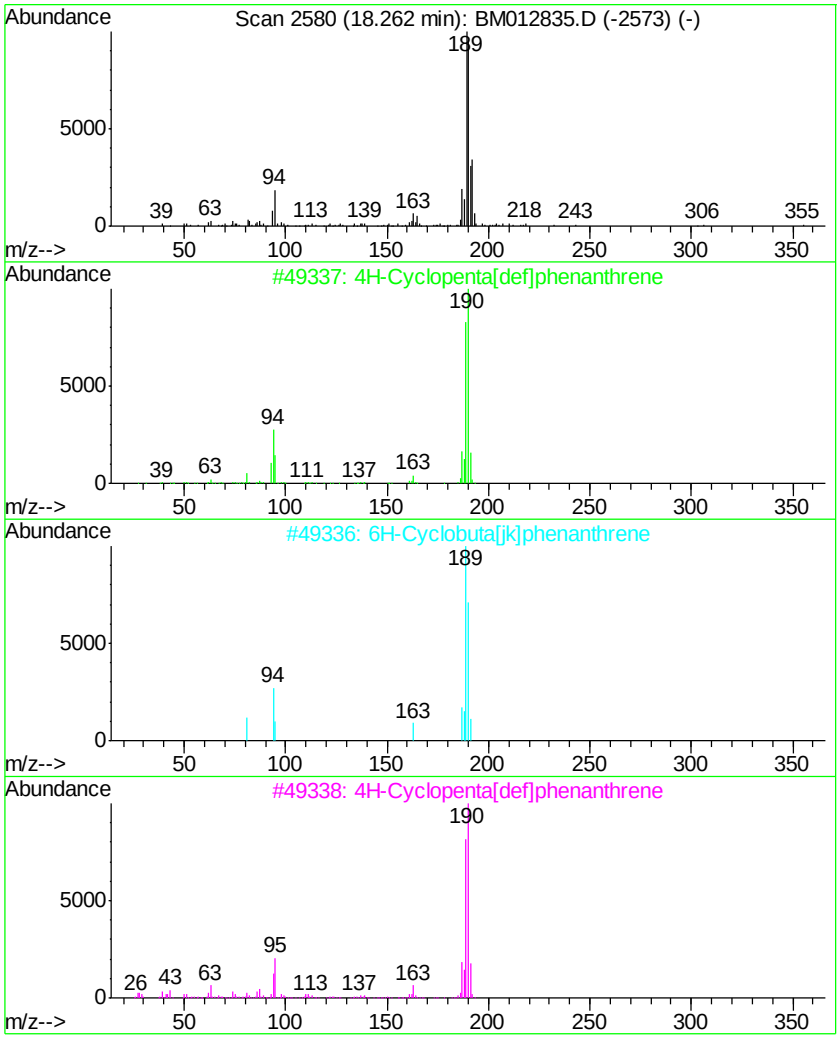
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

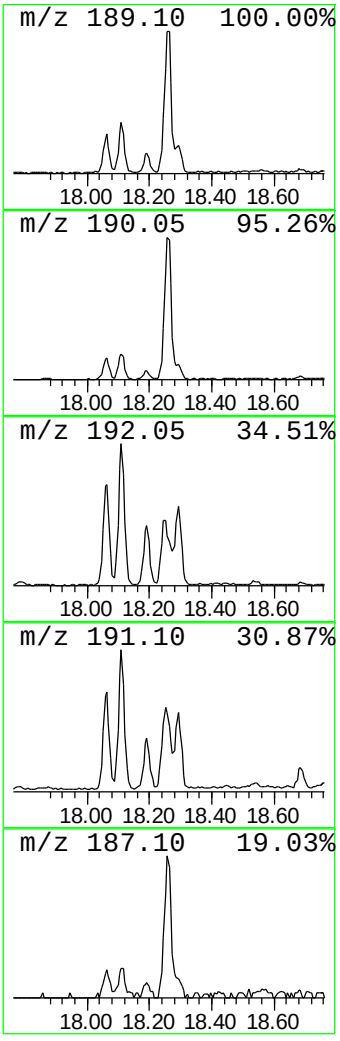
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	4.26 ng/ul	394628	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
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Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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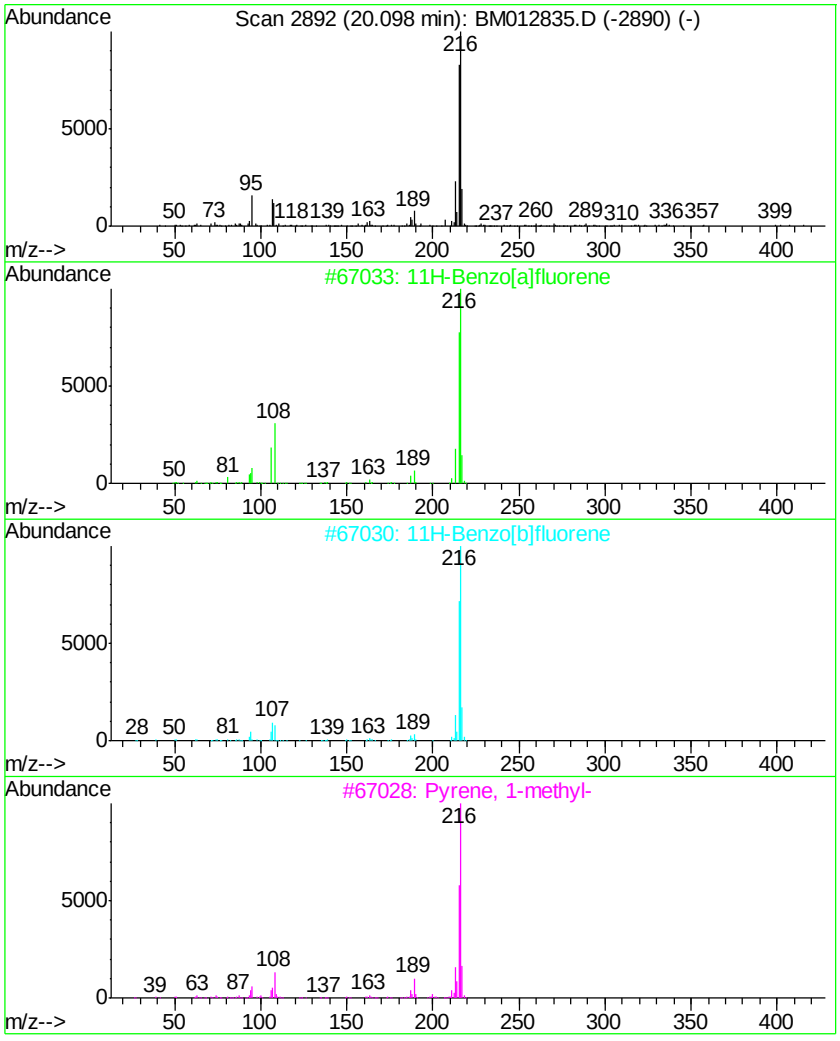
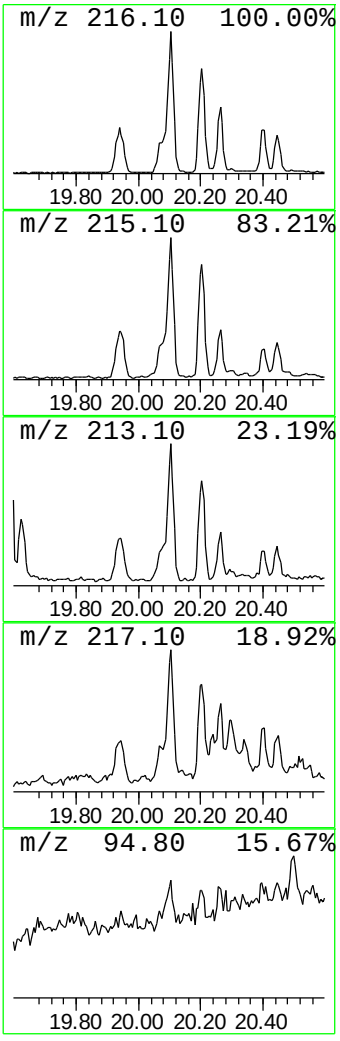
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.30 ng/ul	344786	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012835.D
Acq On : 08 Nov 2017 23:30
Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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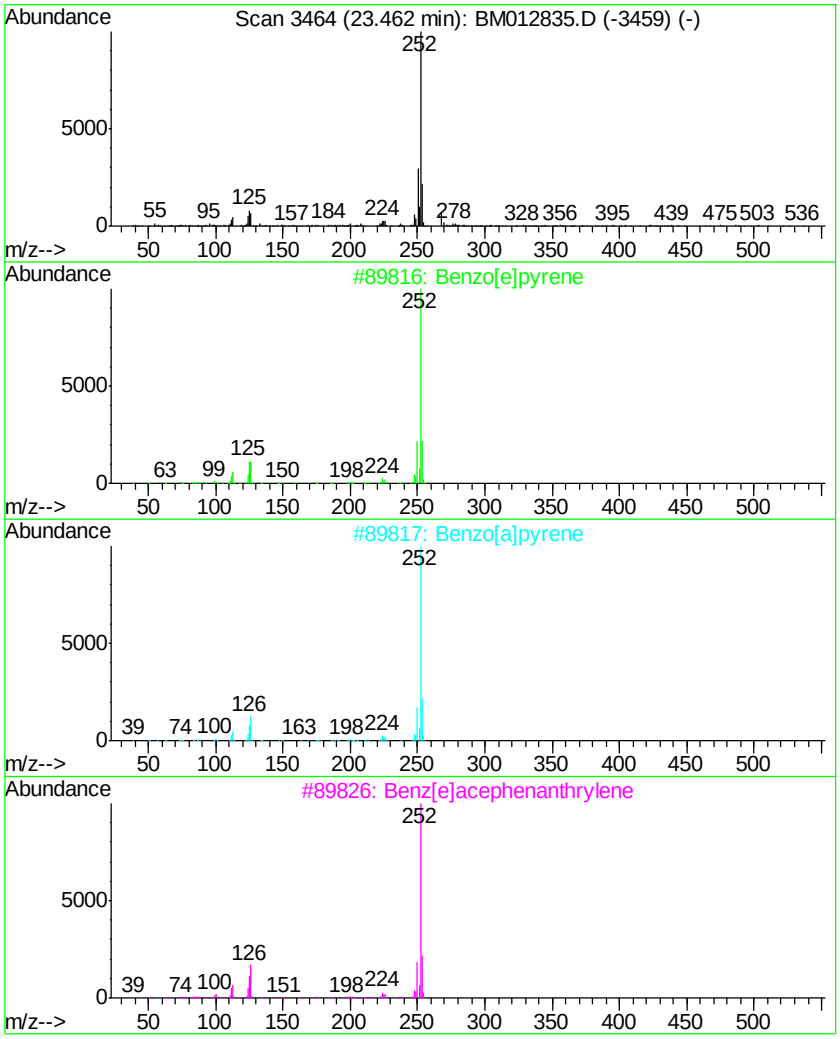
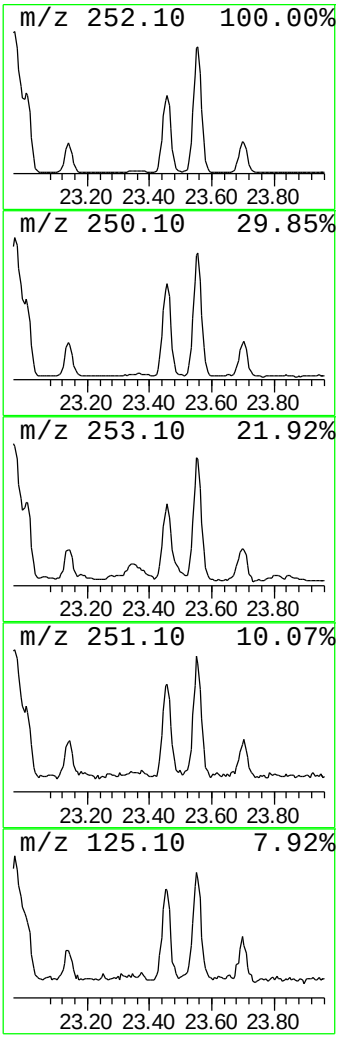
Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	7.43 ng/ul	560968	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012835.D
Acq On : 08 Nov 2017 23:30
Operator : SJ/JU
Sample : I6150-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-78(0.5-1.5)-102517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	6.89	2.2	ng/ul	96018	1	7.80	855628	20.0
Benzene, 1,2,3-tr...	7.45	4.2	ng/ul	177734	1	7.80	855628	20.0
Benzophenone	15.80	3.3	ng/ul	280456	3	14.44	1695030	20.0
n-Hexadecanoic acid	18.07	5.1	ng/ul	470660	4	17.19	1853500	20.0
Phenanthrene, 2-m...	18.11	3.2	ng/ul	298244	4	17.19	1853500	20.0
4H-Cyclopenta[def...	18.26	4.3	ng/ul	394628	4	17.19	1853500	20.0
11H-Benzo[a]fluorene	20.10	2.3	ng/ul	344786	5	21.37	2998320	20.0
Benzo[e]pyrene	23.46	7.4	ng/ul	560968	6	23.65	1509780	20.0