LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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	4.022	152	159	169	rBV	656896	904032	22.27%	1.350%
2	4.363	207	217	226	rVB	57801	95491	2.35%	0.143%
3	4.934	307	314	323	rVB3	27869	72609	1.79%	0.108%
4	5.322	377	380	385	rVB	40033	55302	1.36%	0.083%
5	5.457	397	403	414	rBV	437615	881663	21.72%	1.316%
6	5.822	459	465	472	rVB	363228	507849	12.51%	0.758%
7	6.293	540	545	553	rBV5	22245	55144	1.36%	0.082%
8	6.440	561	570	573	rVV3	38076	76221	1.88%	0.114%
9	6.475	573	576	583	rVB4	27977	60431	1.49%	0.090%
10	6.787	620	629	634	rBV3	63437	121891	3.00%	0.182%
11	6.893	643	647	651	rVB	94043	123981	3.05%	0.185%
12	6.981	651	662	667	rBV	540431	1100283	27.11%	1.643%
13	7.134	675	688	694	rBV	463577	713313	17.57%	1.065%
14	7.334	717	722	731	rVB	581350	968114	23.85%	1.445%
15	7.422	731	737	740	rBV	393257	611099	15.06%	0.912%
16	7.798	791	801	811	rVV	573013	1009386	24.87%	1.507%
17	7.934	816	824	829	rVV2	136543	300129	7.39%	0.448%
18	8.081	841	849	857	rVB6	34075	77578	1.91%	0.116%
19	8.345	887	894	898	rBV2	89099	148348	3.66%	0.221%
20	8.440	904	910	916	rBV3	97393	191637	4.72%	0.286%
21	8.510	916	922	928	rBV	712183	1150391	28.34%	1.718%
22	8.693	948	953	958	rVB4	30333	60377	1.49%	0.090%
23	8.898	977	988	992	rBV2	86208	176664	4.35%	0.264%
24	8.957	992	998	1004	rVV	564293	969892	23.90%	1.448%
25	9.022	1004	1009	1018	rVB	341477	531826	13.10%	0.794%
26	9.145	1026	1030	1037	rVB4	40324	83207	2.05%	0.124%
27	9.422	1073	1077	1082	rBV3	29098	54467	1.34%	0.081%
28	9.675	1113	1120	1132	rBV	489755	873499	21.52%	1.304%
29	9.775	1132	1137	1140	rBV4	30330	63048	1.55%	0.094%
30	9.940	1157	1165	1170	rBV4	39590	76130	1.88%	0.114%
31	9.998	1170	1175	1182	rVV3	50833	124619	3.07%	0.186%
32	10.216	1206	1212	1220	rVB	781022	1339523	33.00%	2.000%
33	10.292	1220	1225	1233	rVV	50544	94221	2.32%	0.141%
34	10.592	1266	1276	1280	rVV	776644	1542445	38.00%	2.303%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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	10.639	1280	1284	1291	rVB	286998	483215	11.91%	0.721%
36	10.728	1291	1299	1317	rBV	541666	1053302	25.95%	1.573%
37	11.610	1444	1449	1458	rBV6	29584	61986	1.53%	0.093%
38	12.010	1510	1517	1526	rVB2	61354	100680	2.48%	0.150%
39	12.251	1553	1558	1564	rVB	111219	178058	4.39%	0.266%
40	12.475	1591	1596	1603	rVB	52475	81218	2.00%	0.121%
41	13.263	1723	1730	1735	rVV5	54130	101715	2.51%	0.152%
42	13.316	1735	1739	1744	rVV5	32137	57091	1.41%	0.085%
43	13.604	1783	1788	1795	rVB4	33216	75885	1.87%	0.113%
44	13.757	1809	1814	1820	rBV	49144	90796	2.24%	0.136%
45	13.851	1824	1830	1834	rVV	1484261	2094663	51.61%	3.127%
46	13.892	1834	1837	1846	rVB	438595	627979	15.47%	0.938%
47	14.133	1871	1878	1887	rBV	1703247	2523716	62.18%	3.768%
48	14.333	1908	1912	1918	rBV	64634	86837	2.14%	0.130%
49	14.439	1919	1930	1937	rBV2	1217899	1921677	47.35%	2.869%
50	14.504	1937	1941	1948	rVB	71342	117701	2.90%	0.176%
51	14.663	1962	1968	1975	rBV	394333	668200	16.46%	0.998%
52	14.733	1976	1980	1989	rVB	67525	132023	3.25%	0.197%
53	14.839	1994	1998	2006	rVB2	65602	146173	3.60%	0.218%
54	14.986	2015	2023	2029	rBV	292242	454649	11.20%	0.679%
55	15.286	2071	2074	2081	rVB2	76908	100228	2.47%	0.150%
56	15.433	2093	2099	2105	rBV	2186167	3106617	76.54%	4.638%
57	15.486	2105	2108	2112	rBV2	63574	91126	2.25%	0.136%
58	15.574	2118	2123	2128	rBV	247148	356061	8.77%	0.532%
59	15.674	2133	2140	2142	rBV5	49945	97023	2.39%	0.145%
60	15.786	2154	2159	2167	rVB3	51054	94530	2.33%	0.141%
61	15.927	2176	2183	2192	rBV4	38675	101651	2.50%	0.152%
62	16.151	2216	2221	2229	rBV5	127819	279231	6.88%	0.417%
63	16.845	2335	2339	2345	rVB	87457	127457	3.14%	0.190%
64	16.939	2352	2355	2358	rBV	52710	60368	1.49%	0.090%
65	17.004	2363	2366	2375	rVB	114223	194422	4.79%	0.290%
66	17.186	2391	2397	2401	rBV2	1490772	2145961	52.87%	3.204%
67	17.227	2401	2404	2409	rVV	1477028	1961184	48.32%	2.928%
68	17.286	2409	2414	2418	rVV2	2309943	3299172	81.29%	4.926%
69	17.321	2418	2420	2425	rVB	344468	374544	9.23%	0.559%
70	17.592	2463	2466	2470	rVB	74093	82169	2.02%	0.123%
71	18.080	2542	2549	2552	rBV2	452239	798699	19.68%	1.192%

LSC Area Percent Report

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Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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	18.151	2557	2561	2564	rVV	357668	453029	11.16%	0.676%
73	18.192	2565	2568	2574	rVV	93834	168761	4.16%	0.252%
74	18.257	2574	2579	2583	rVV2	226387	424030	10.45%	0.633%
75	18.292	2583	2585	2591	rVB	138472	178429	4.40%	0.266%
76	18.374	2596	2599	2602	rVV3	65978	78502	1.93%	0.117%
77	18.474	2612	2616	2621	rBV4	88069	132615	3.27%	0.198%
78	18.562	2628	2631	2635	rVB	154943	187111	4.61%	0.279%
79	18.610	2636	2639	2643	rVV	102885	123971	3.05%	0.185%
80	18.657	2643	2647	2657	rVB3	244311	336490	8.29%	0.502%
81	18.804	2667	2672	2677	rVB2	499340	654550	16.13%	0.977%
82	18.980	2699	2702	2704	rBV	92644	119660	2.95%	0.179%
83	19.004	2704	2706	2715	rVB5	154838	246877	6.08%	0.369%
84	19.245	2742	2747	2752	rVB	2149731	2769123	68.23%	4.134%
85	19.298	2752	2756	2760	rVB2	517472	641688	15.81%	0.958%
86	19.362	2763	2767	2776	rVB3	299057	445955	10.99%	0.666%
87	19.580	2799	2804	2807	rBV	2801952	4058708	100.00%	6.060%
88	19.609	2807	2809	2817	rVB	1775559	2237341	55.12%	3.340%
89	20.021	2876	2879	2882	rVB	141597	153986	3.79%	0.230%
90	20.239	2913	2916	2924	rBV3	196457	382185	9.42%	0.571%
91	20.609	2977	2979	2983	rVB	232471	243404	6.00%	0.363%
92	21.051	3051	3054	3056	rBV	319409	368047	9.07%	0.550%
93	21.368	3102	3108	3111	rBV2	1808974	3260424	80.33%	4.868%
94	21.403	3111	3114	3125	rVB	901457	1147560	28.27%	1.713%
95	22.968	3376	3380	3385	rBV	542459	999804	24.63%	1.493%
96	23.456	3459	3463	3466	rBV	381518	614446	15.14%	0.917%
97	23.509	3467	3472	3477	rVV2	1672893	3162217	77.91%	4.721%
98	23.556	3477	3480	3485	rVB	672259	1039651	25.62%	1.552%
99	23.650	3491	3496	3502	rBV	921561	1726651	42.54%	2.578%
100	25.286	3769	3774	3782	rVB	517295	1079225	26.59%	1.611%

Sum of corrected areas: 66977257

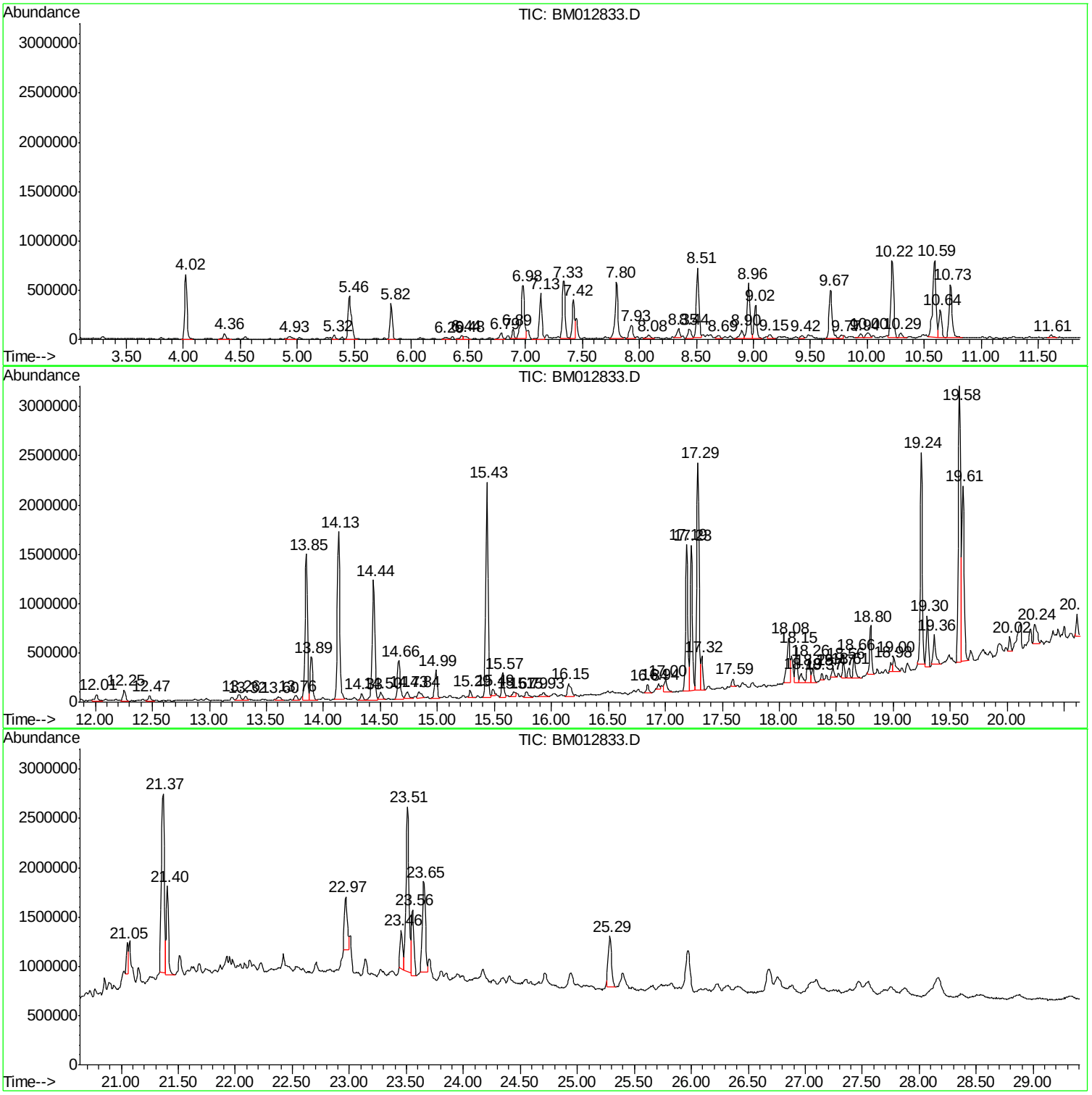
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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

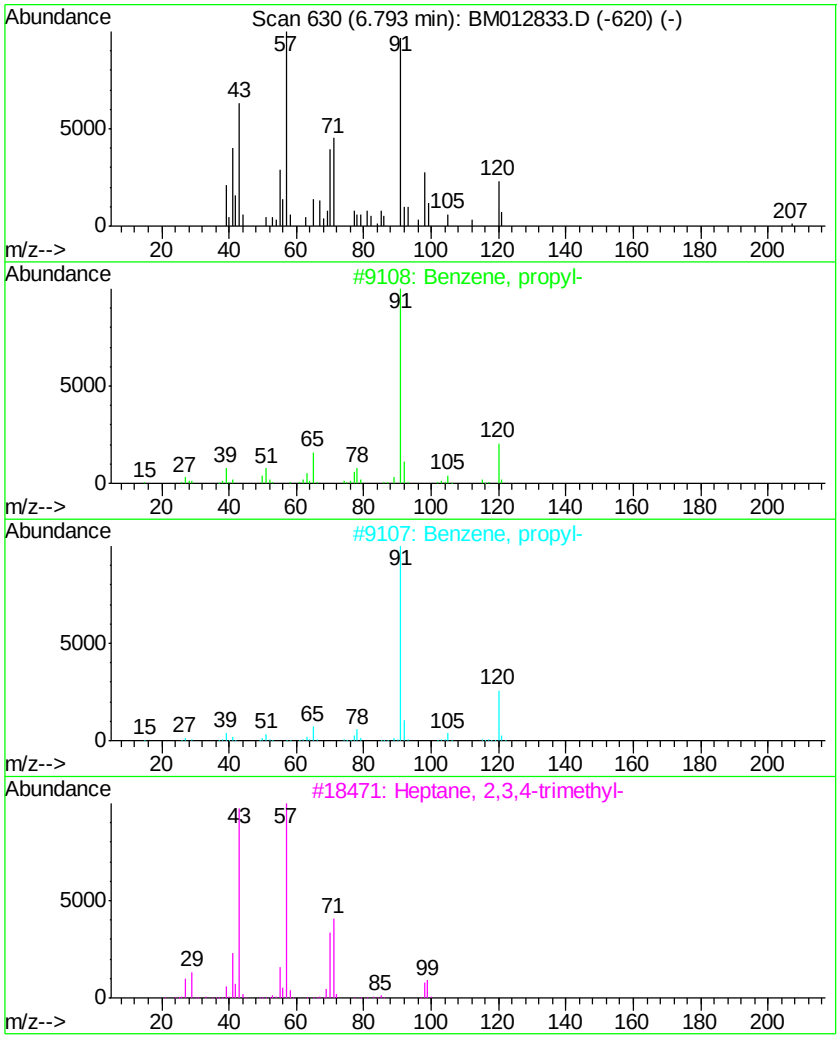
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

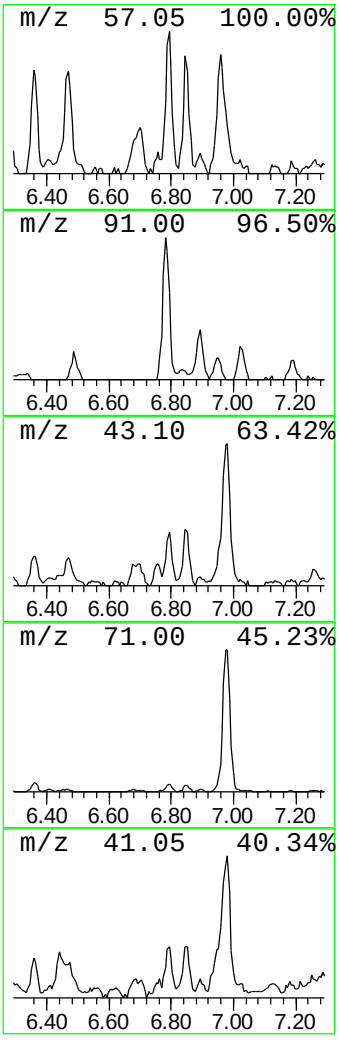
****

Peak Number 4 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	2.42 ng/ul	121891	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	41
2	Benzene, propyl-	120	C9H12	000103-65-1	38
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	35
4	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	35
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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

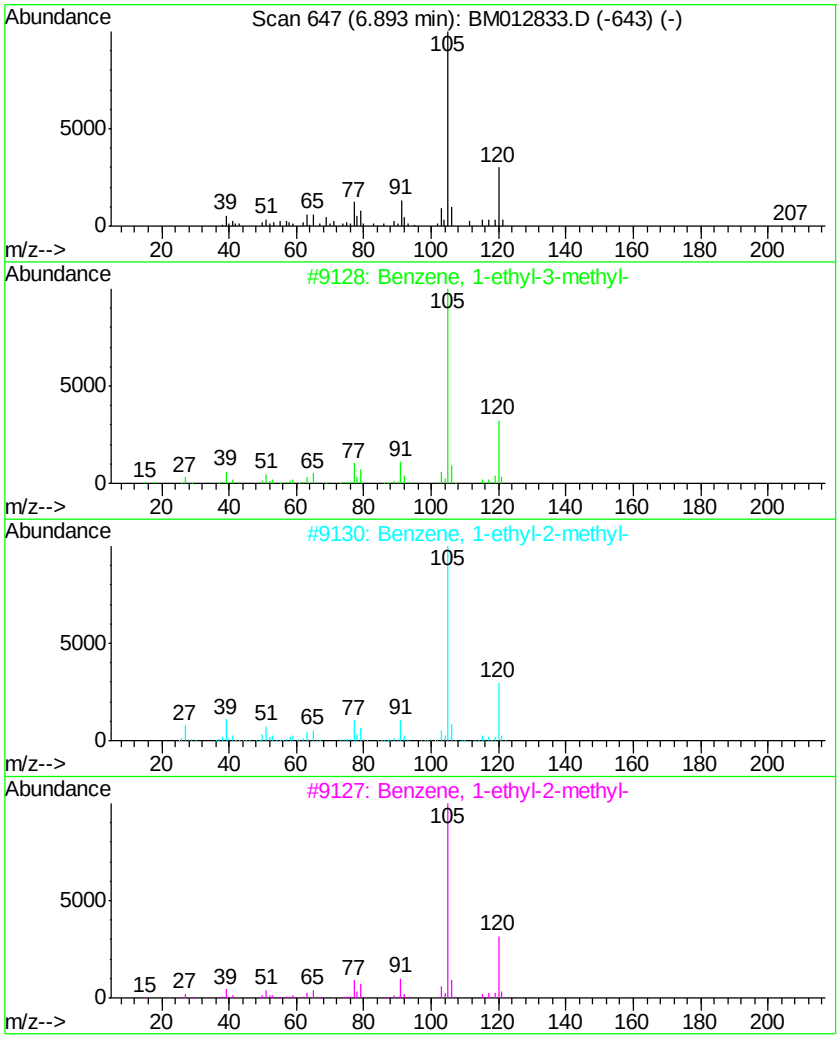
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

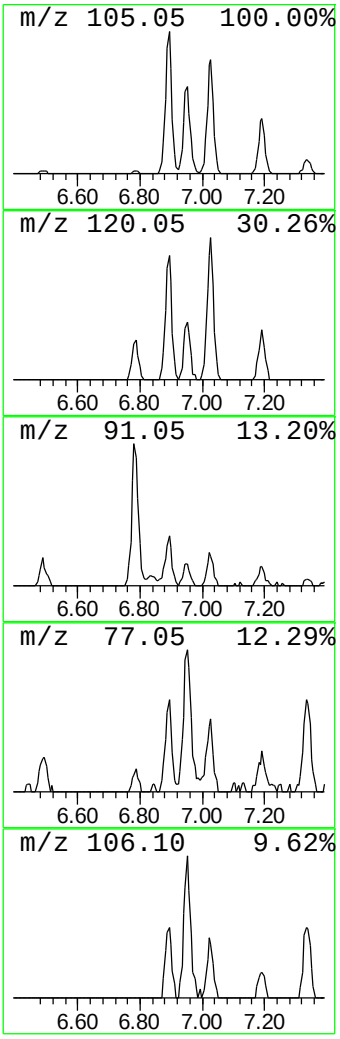
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	2.46 ng/ul	123981	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-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
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Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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

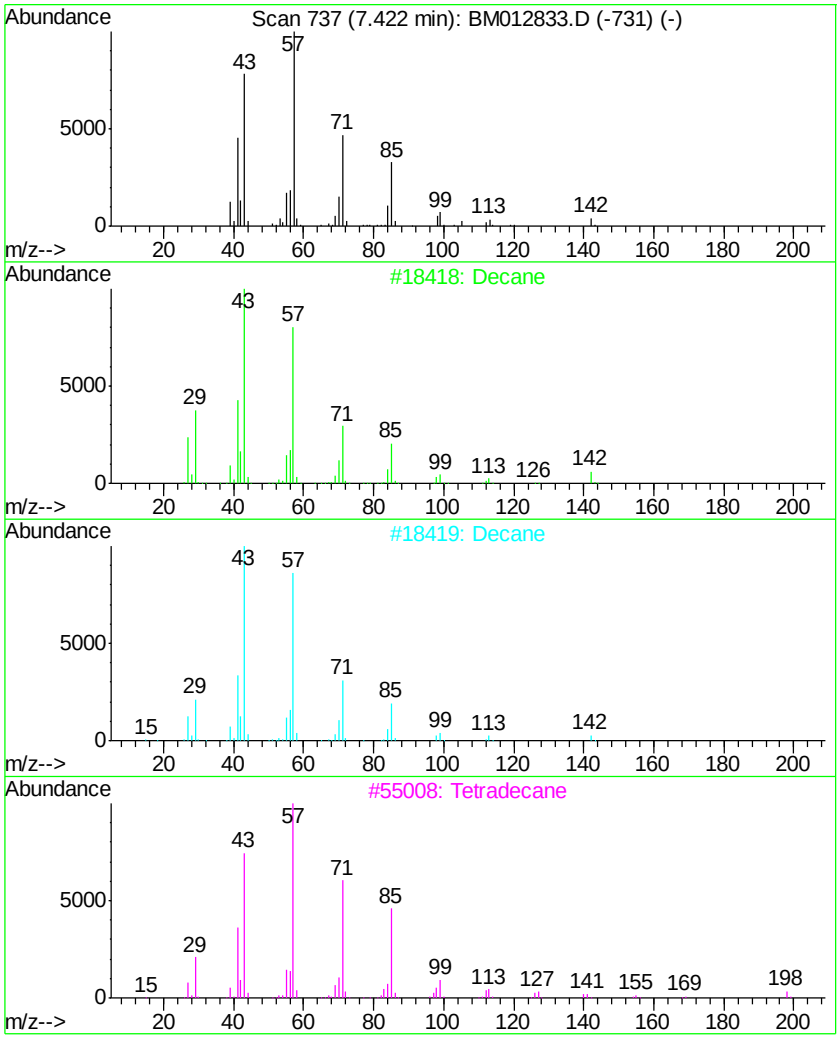
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

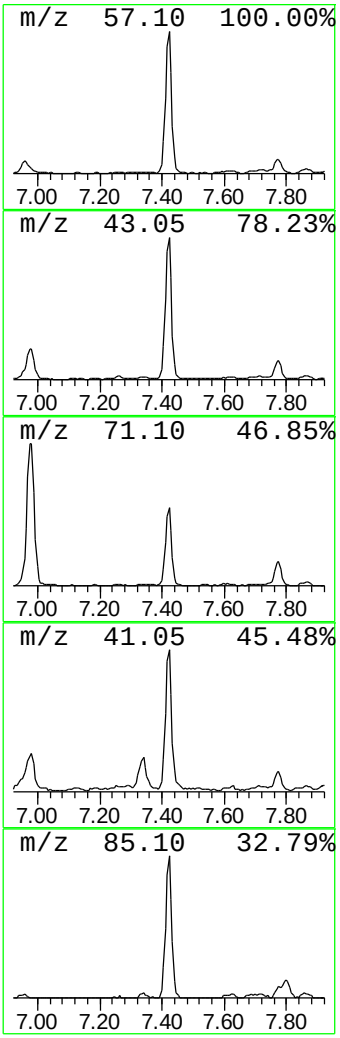
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	12.11 ng/ul	611099	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Decane	142	C10H22	000124-18-5	94
3	Tetradecane	198	C14H30	000629-59-4	90
4	Decane	142	C10H22	000124-18-5	87
5	Undecane	156	C11H24	001120-21-4	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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

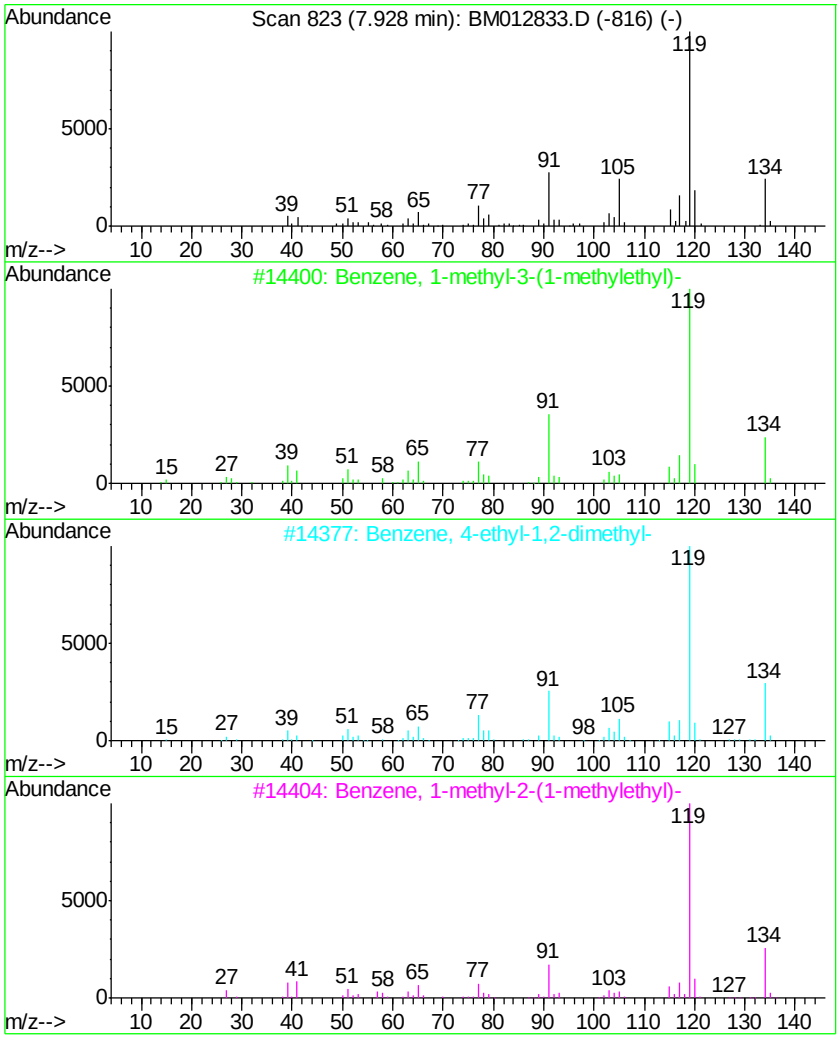
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

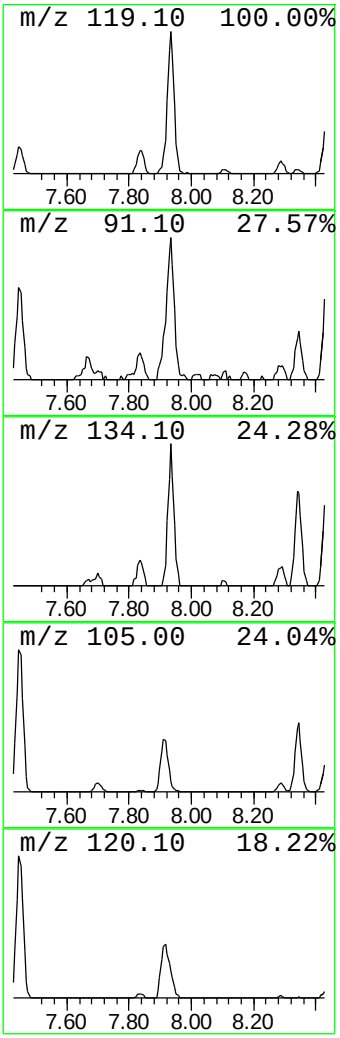
****

Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	5.95 ng/ul	300129	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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

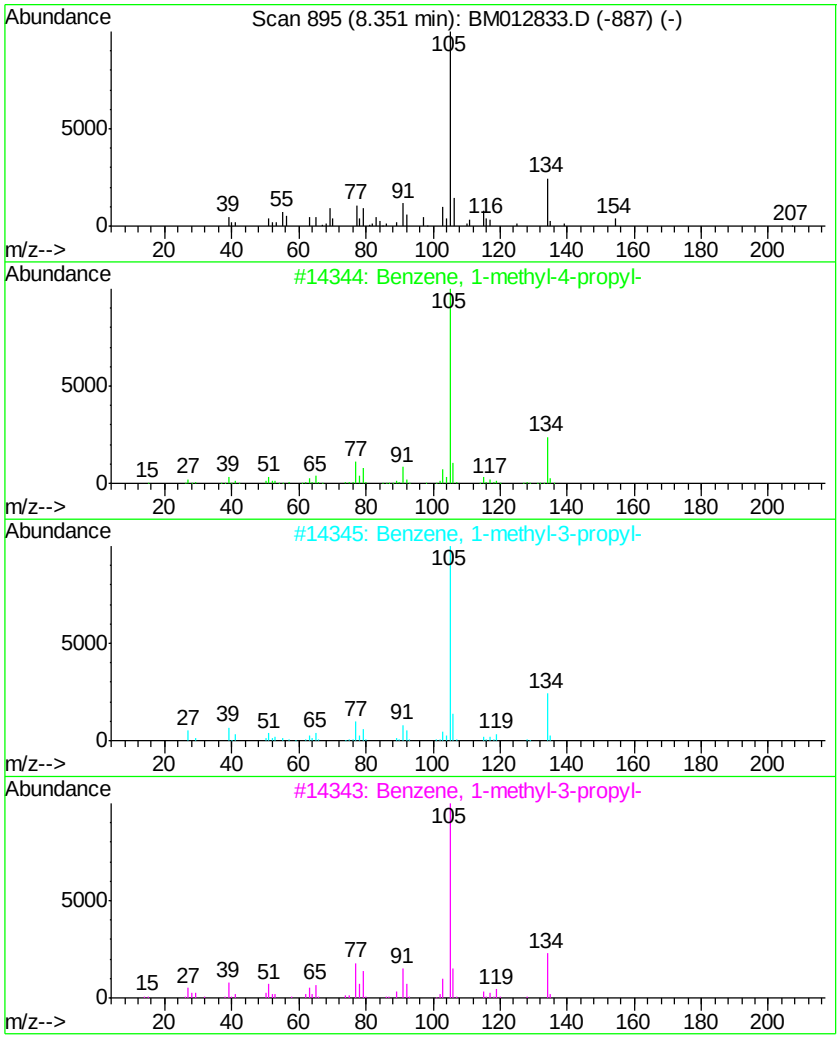
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

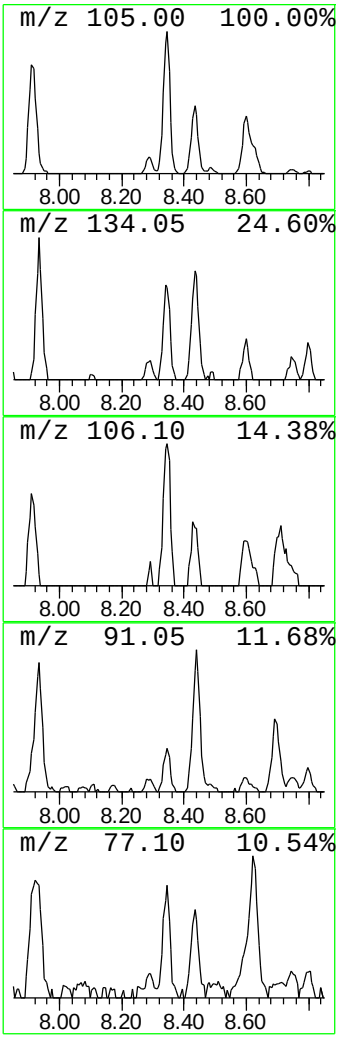
****

Peak Number 8 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	2.94 ng/ul	148348	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	93
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87





Library Search Compound Report

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Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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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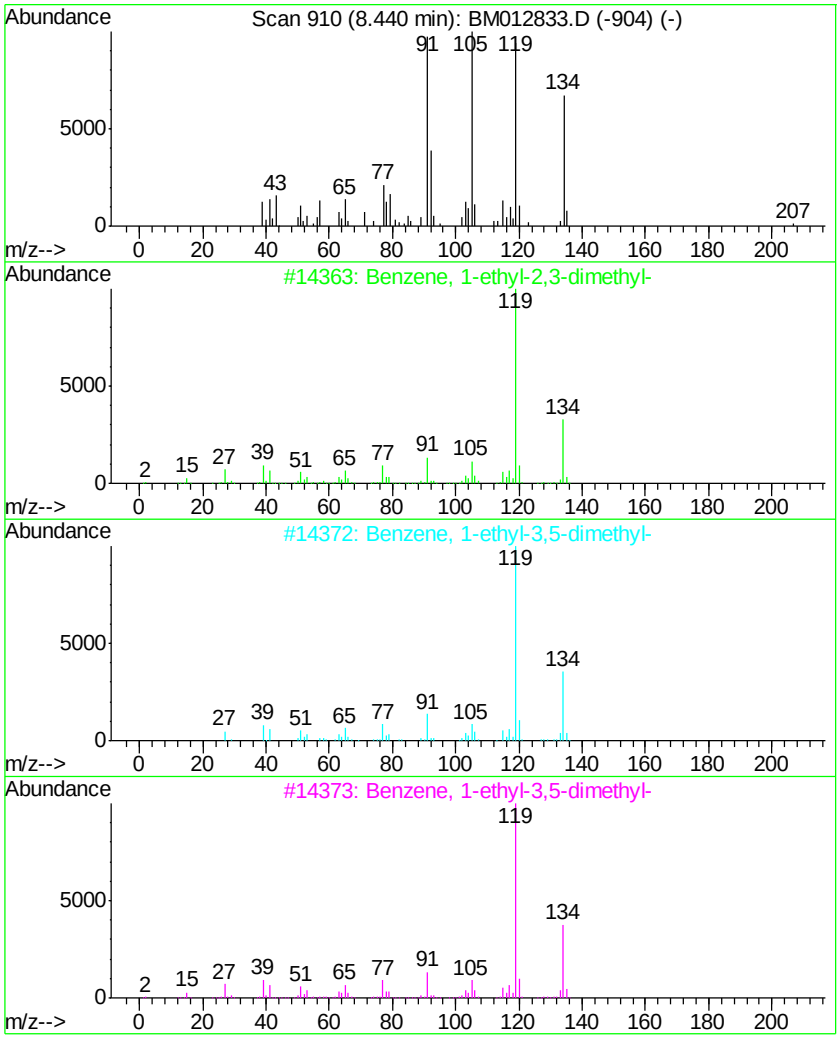
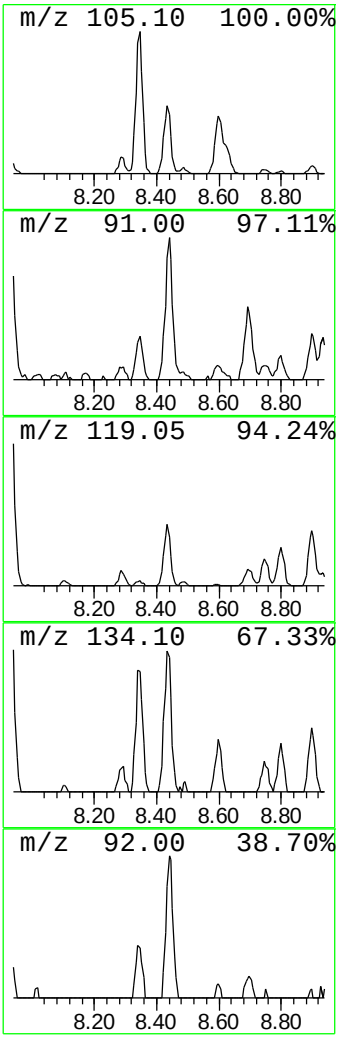
Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	3.80 ng/ul	191637	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	89
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	89
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	89
5	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	81





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ClientSampleId : B-31(1-2)-101817

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

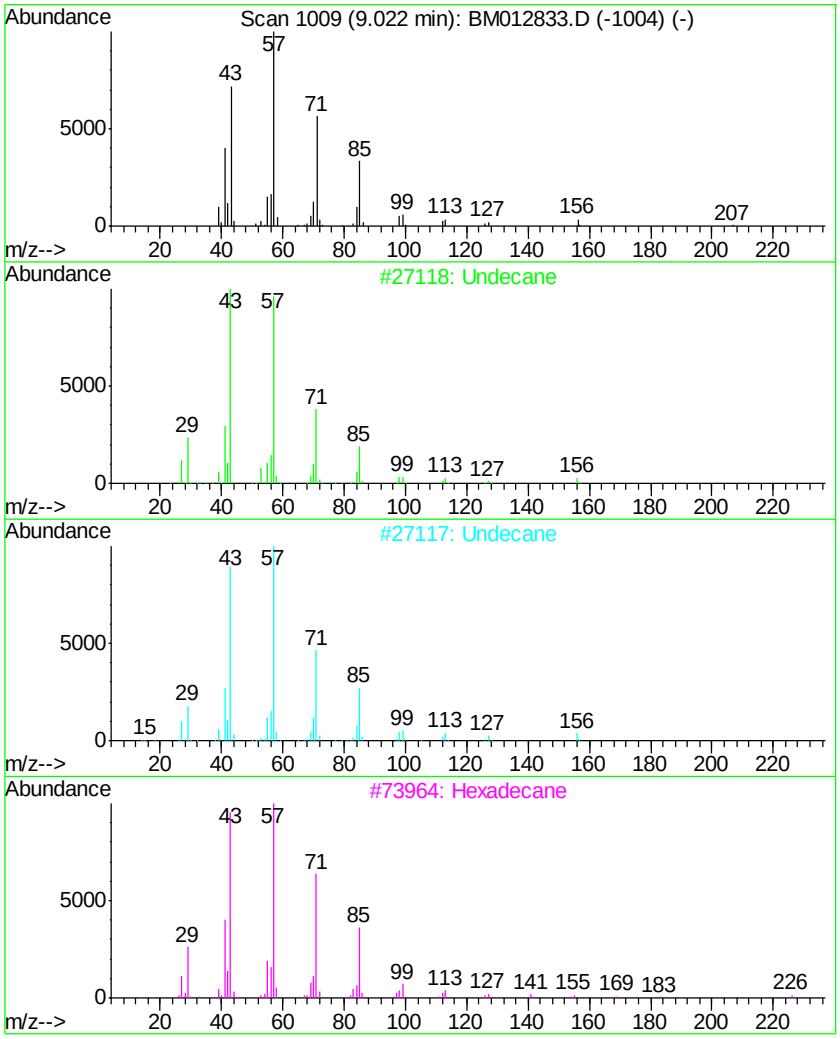
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

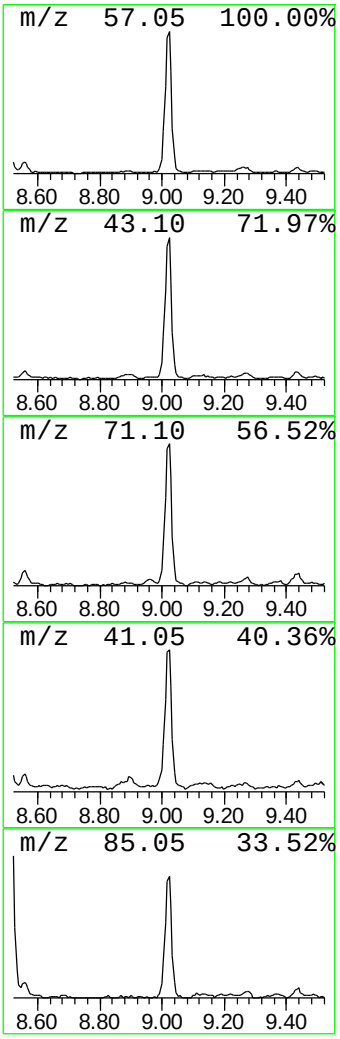
****

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	10.54 ng/ul	531826	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Tridecane	184	C13H28	000629-50-5	90





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Misc :
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Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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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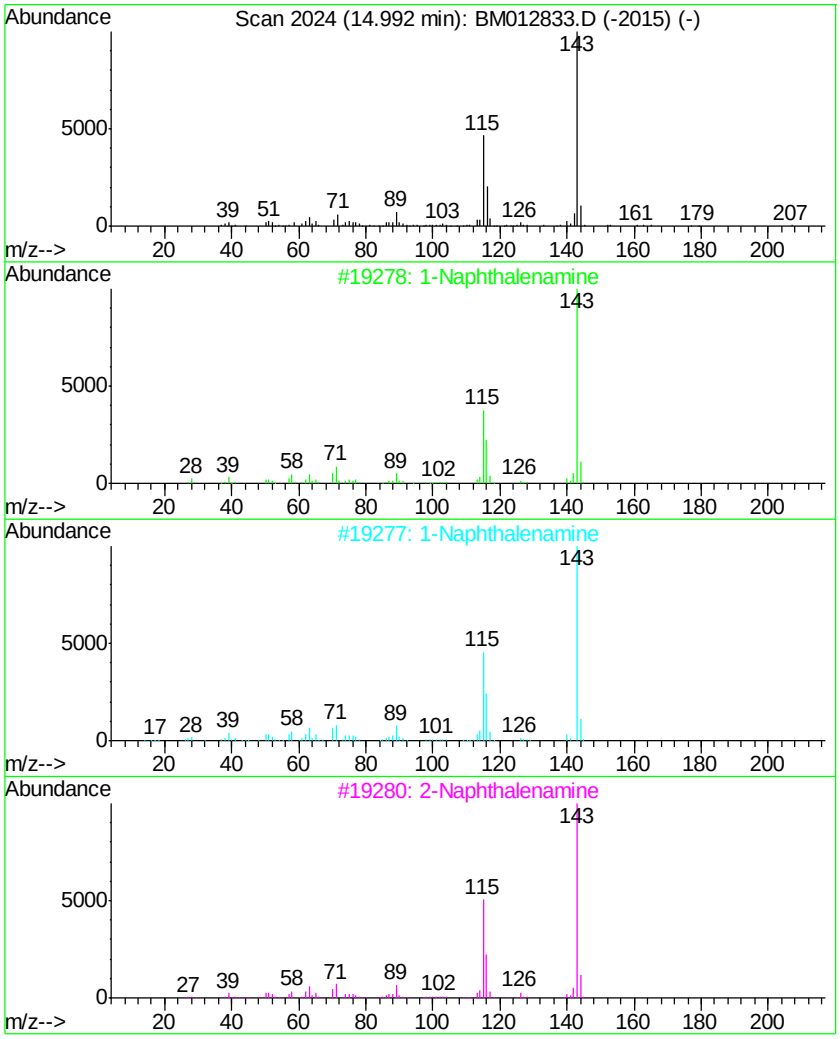
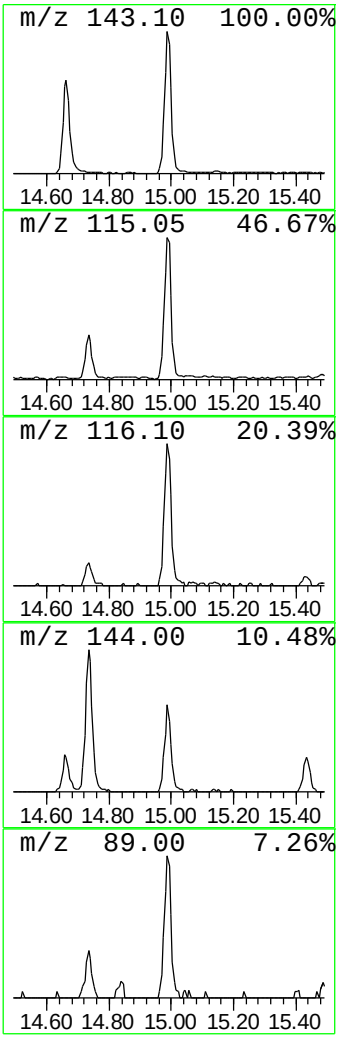
Peak Number 12 1-Naphthalenamine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	4.73 ng/ul	454649	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenamine	143	C10H9N	000134-32-7	97
2	1-Naphthalenamine	143	C10H9N	000134-32-7	97
3	2-Naphthalenamine	143	C10H9N	000091-59-8	96
4	1-Naphthalenamine	143	C10H9N	000134-32-7	94
5	2-Naphthalenamine	143	C10H9N	000091-59-8	94





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Operator : SJ/JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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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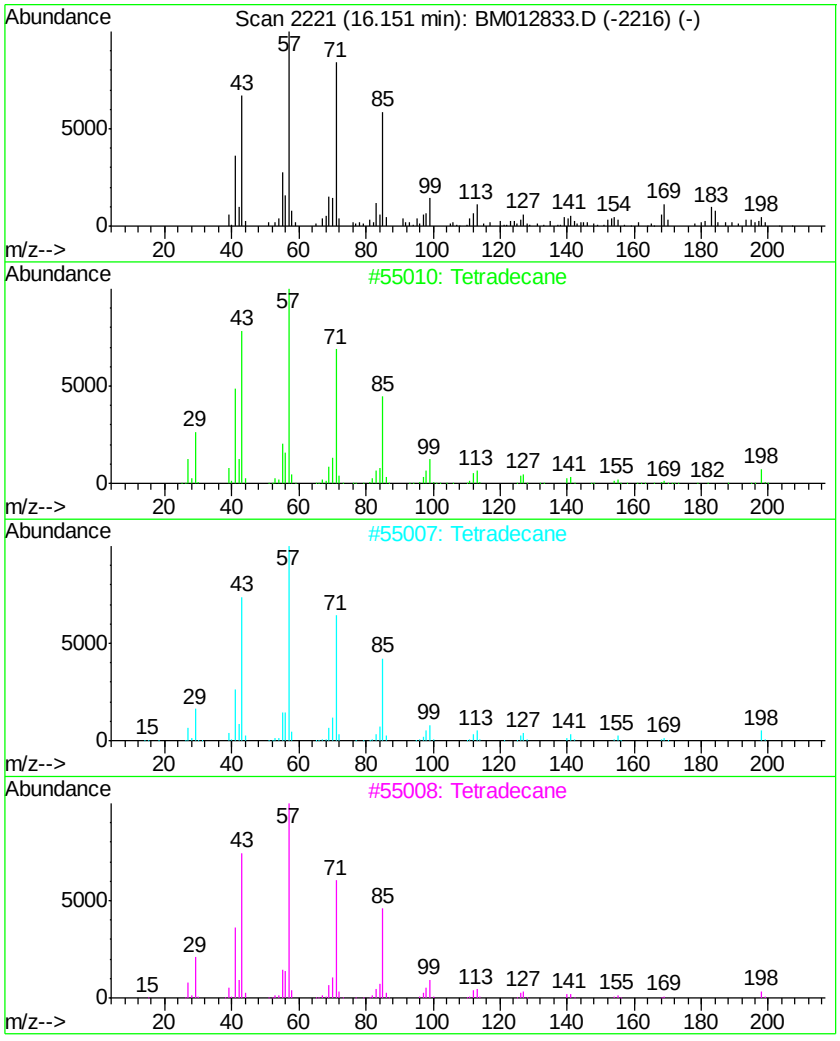
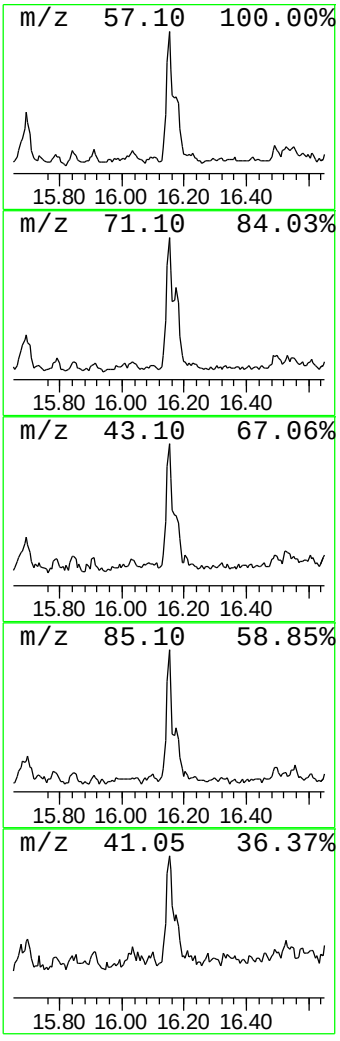
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	2.60 ng/ul	279231	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Tetradecane	198	C14H30	000629-59-4	89
4	Tridecane	184	C13H28	000629-50-5	87
5	Tridecane	184	C13H28	000629-50-5	87





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Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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Quant Title : SVOA CALIBRATION

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

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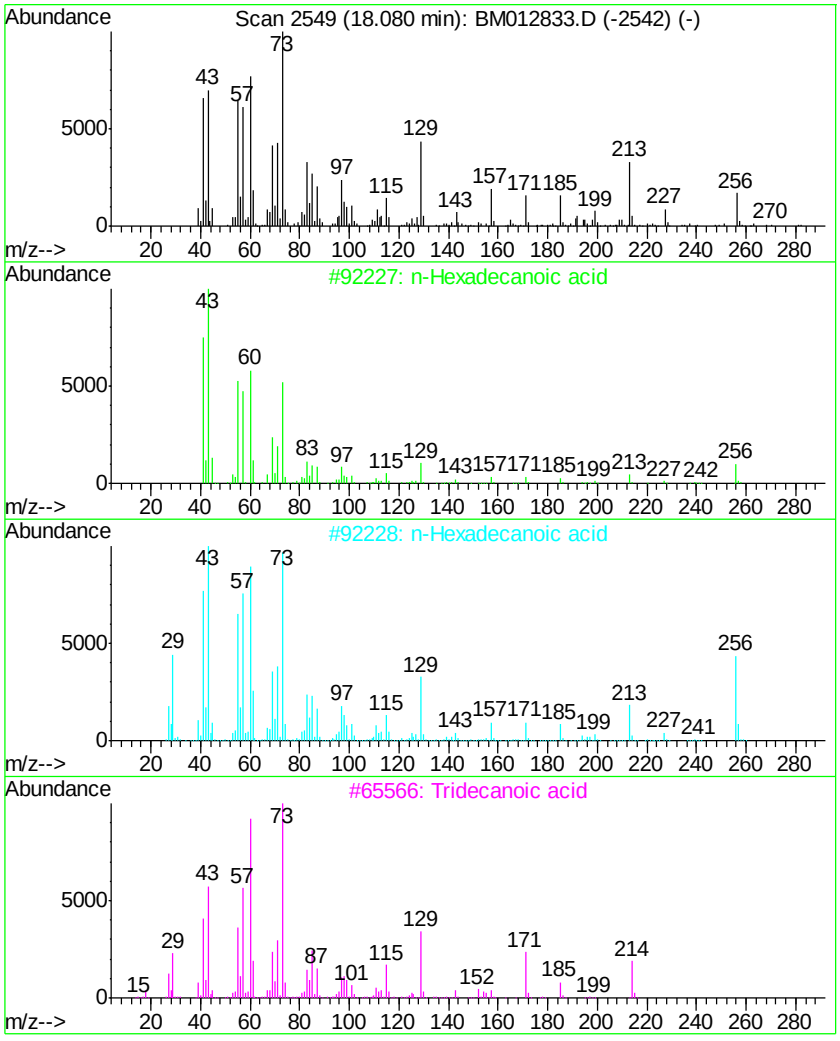
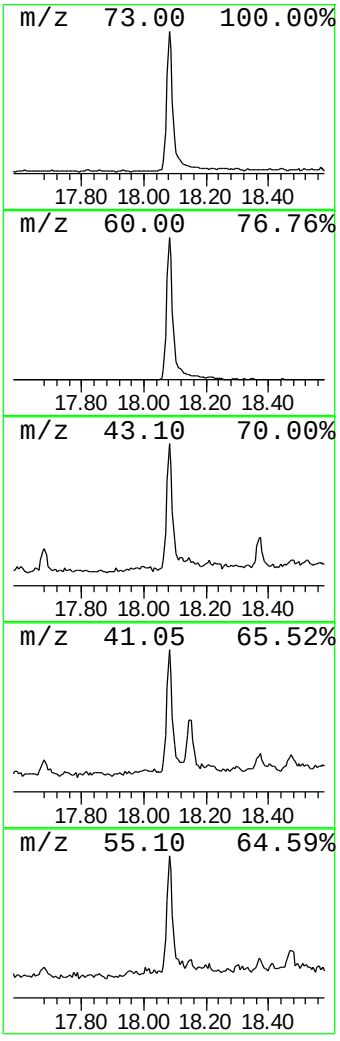
Peak Number 14 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	7.44 ng/ul	798699	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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Quant Title : SVOA CALIBRATION

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

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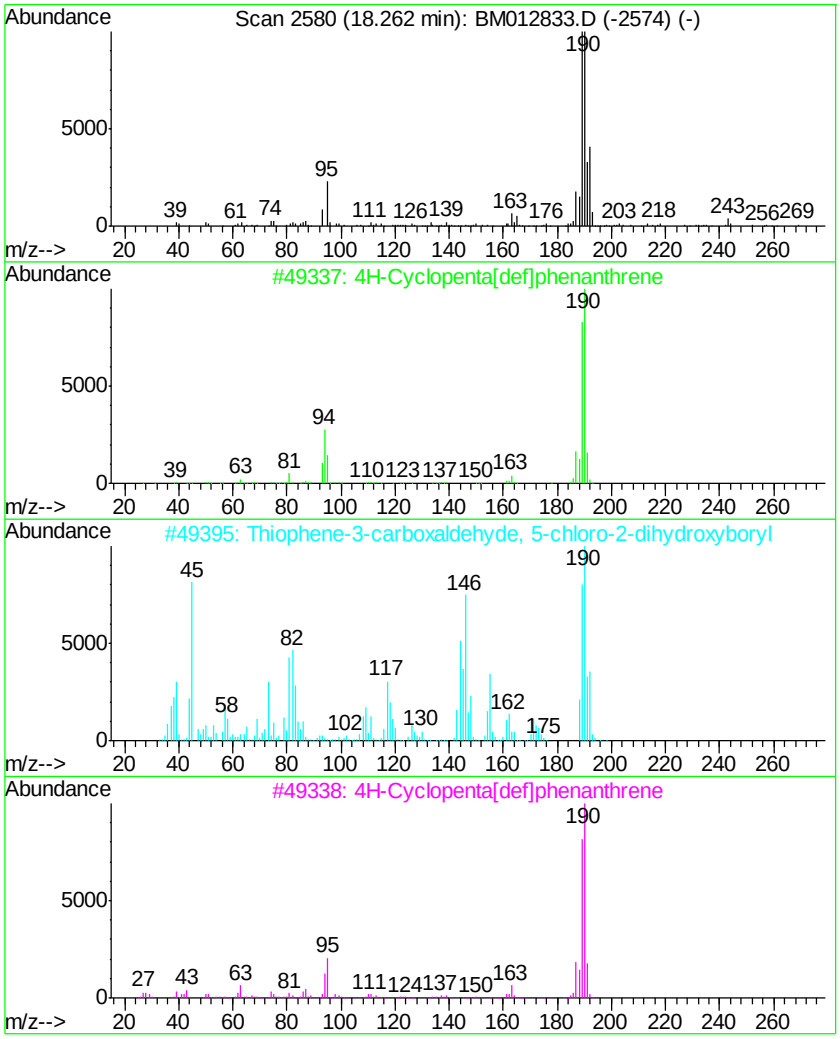
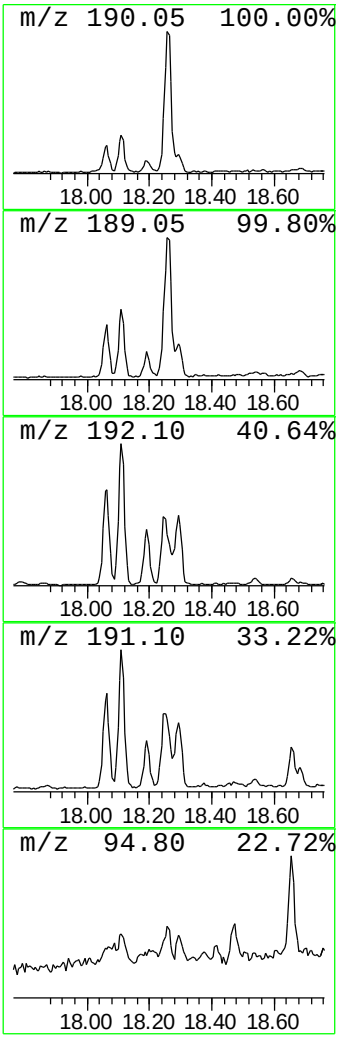
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.95 ng/ul	424030	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Quant Title : SVOA CALIBRATION

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

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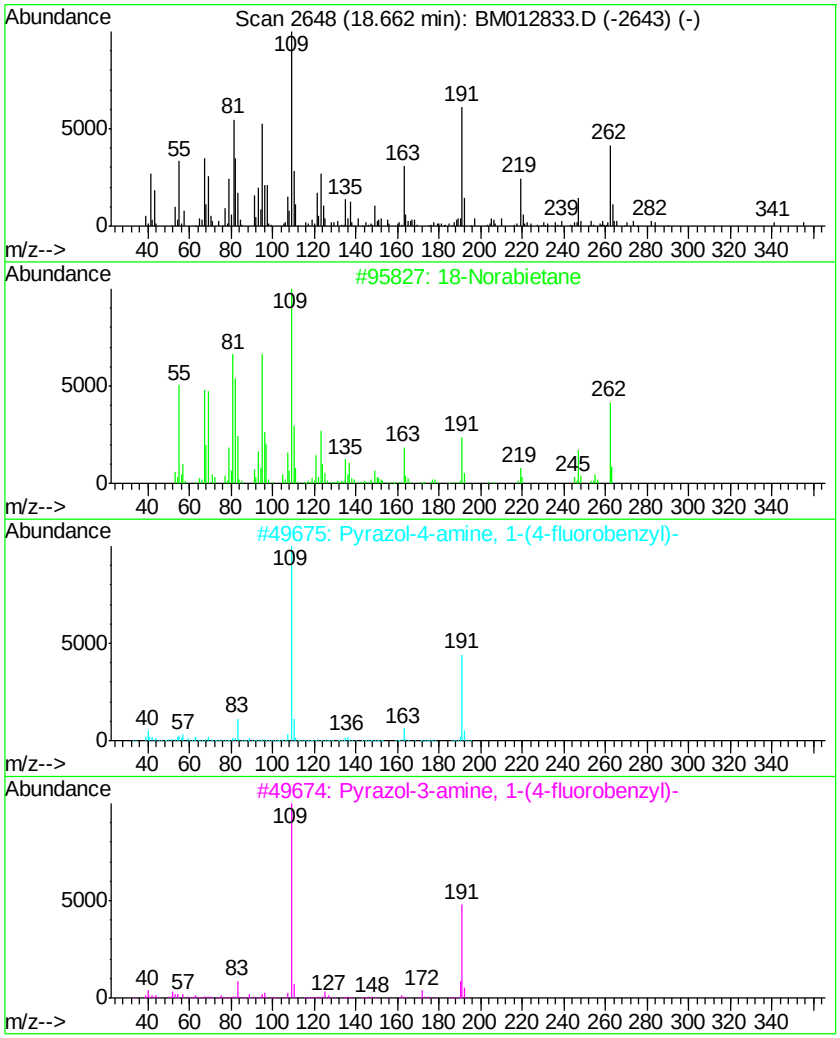
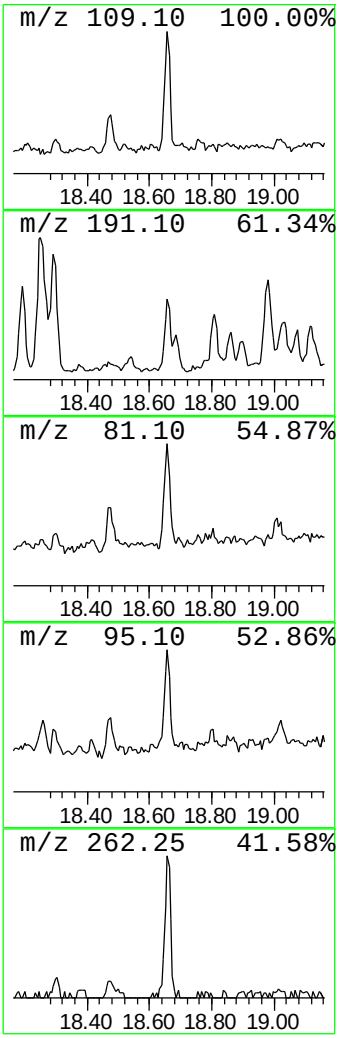
Peak Number 16 18-Norabietane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.14 ng/ul	336490	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	91
2	Pyrazol-4-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-9	38
3	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	35
4	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	27
5	Pyrazol-4-amine, 1-(4-fluorobenz...	219	C12H14FN3	1000272-83-8	27





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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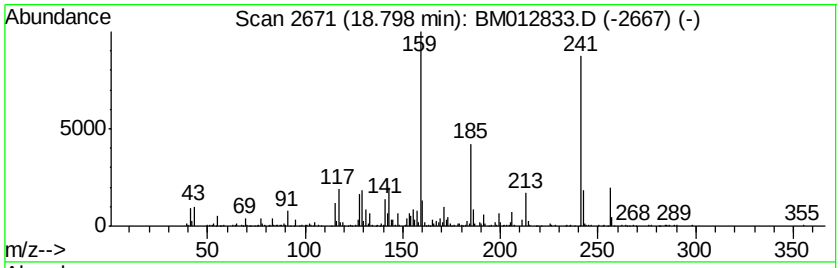
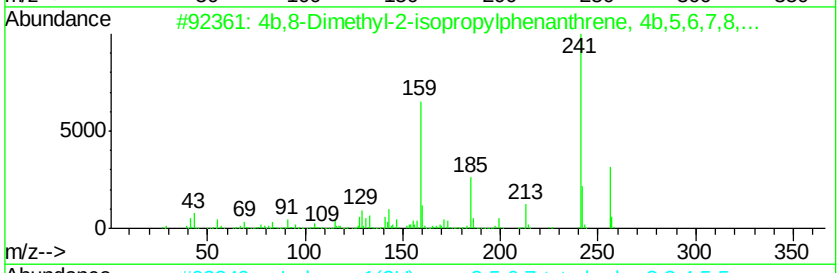
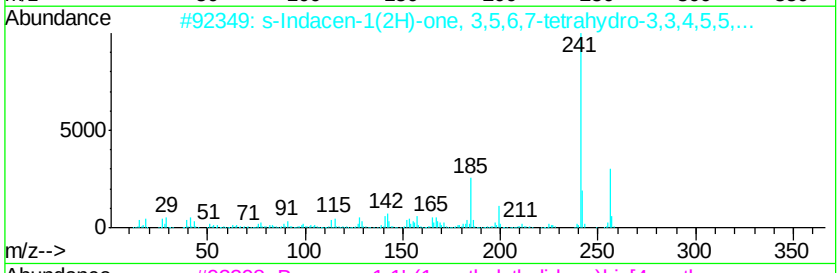
Peak Number 17 4b,8-Dimethyl-2-isopropylph... Concentration Rank 9

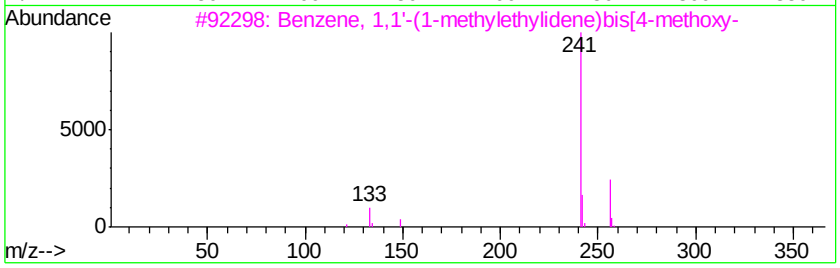
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	6.10 ng/ul	654550	Phenanthrene-d10	17.19

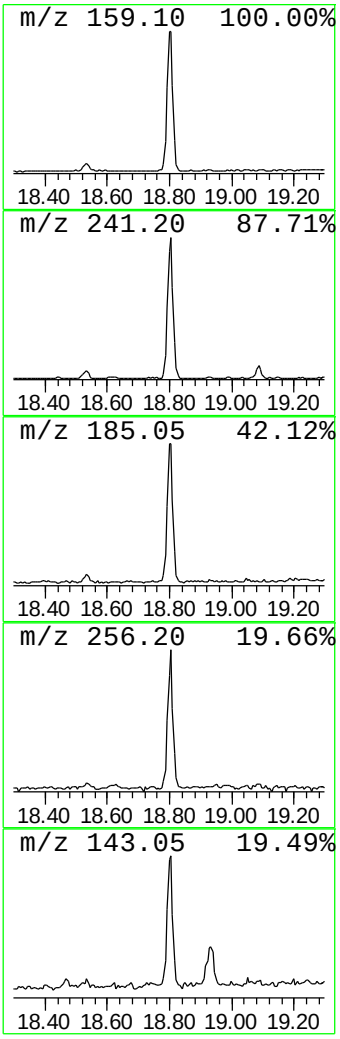
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	45
3	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	27
4	Isoquinoline-4-carbonitrile, 1-e...	256	C15H16N2O2	1000259-91-1	25
5	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	22











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ClientSampleId : B-31(1-2)-101817

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Quant Title : SVOA CALIBRATION

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

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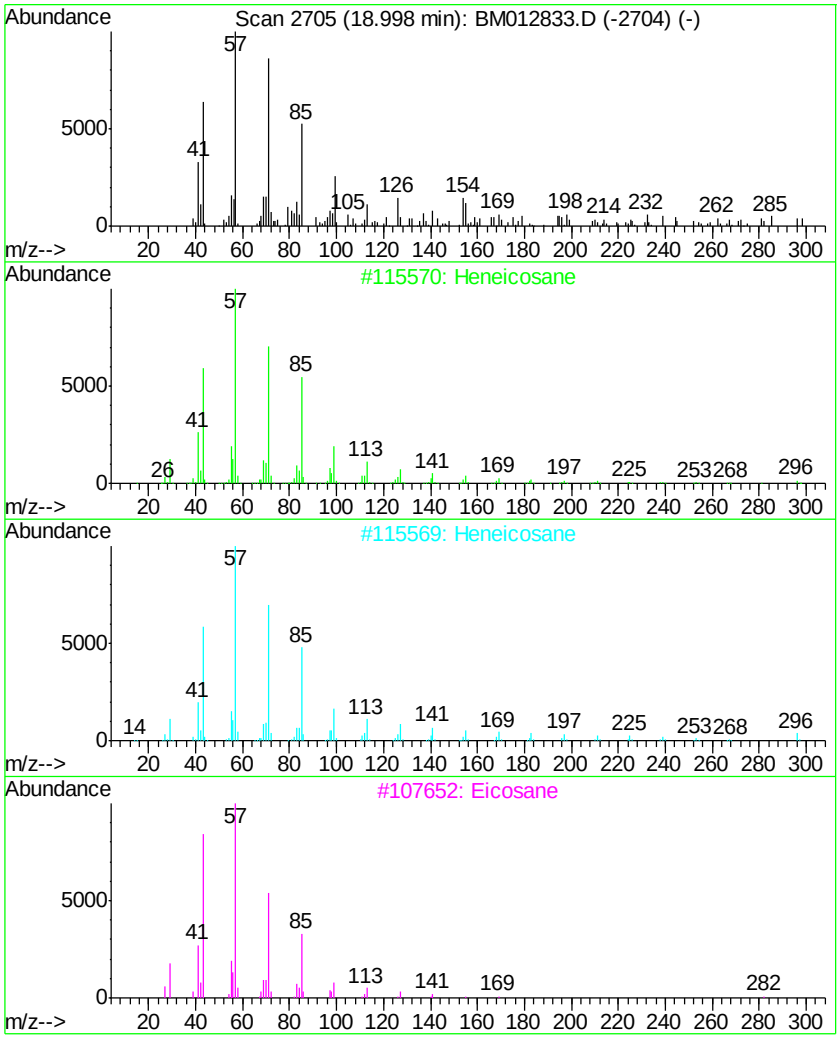
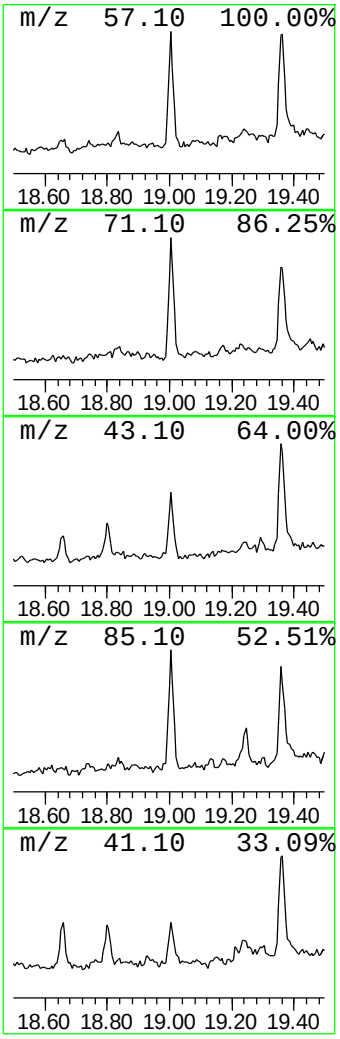
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	2.30 ng/ul	246877	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heneicosane	296	C21H44	000629-94-7	83
3	Eicosane	282	C20H42	000112-95-8	83
4	Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	76
5	Decane, 5-propyl-	184	C13H28	017312-62-8	76





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Quant Title : SVOA CALIBRATION

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

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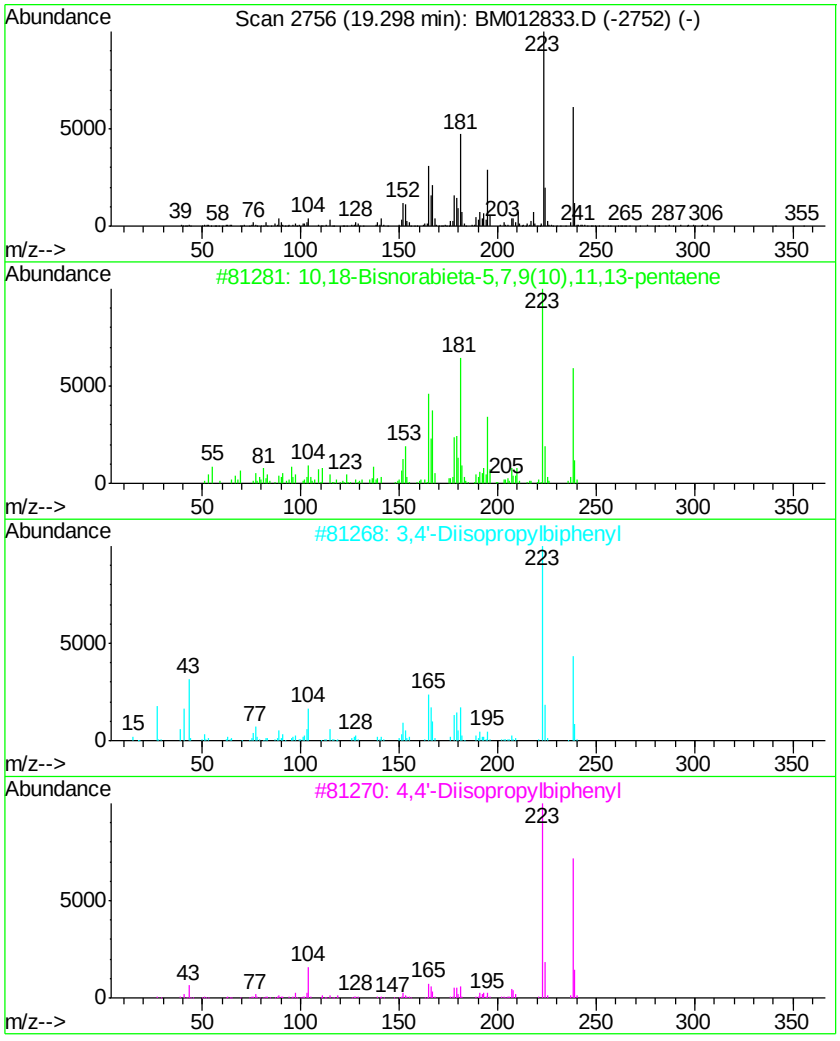
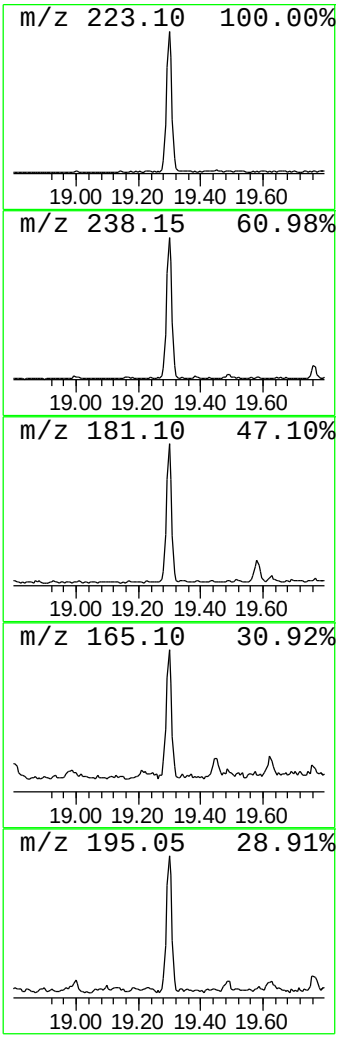
Peak Number 19 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	3.94 ng/ul	641688	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	89
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	64
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	58
5	2-Propenoic acid, 3-(3,4,5-trime...	238	C12H14O5	000090-50-6	53





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Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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Quant Title : SVOA CALIBRATION

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

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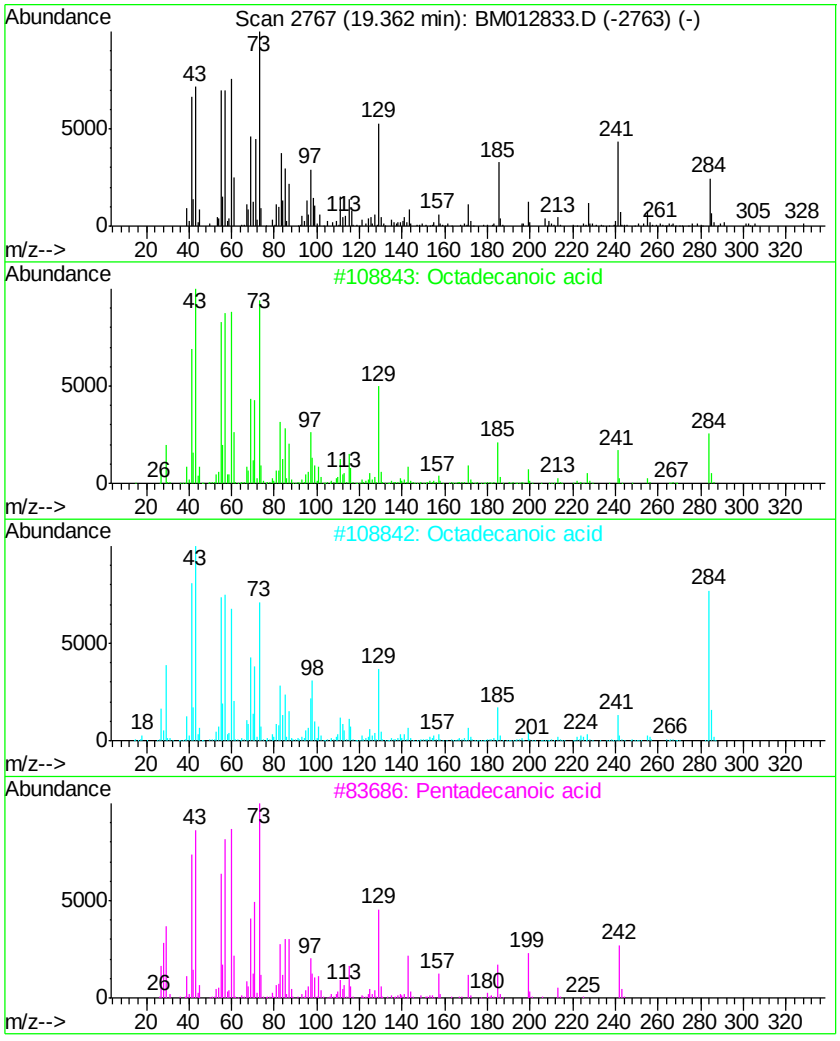
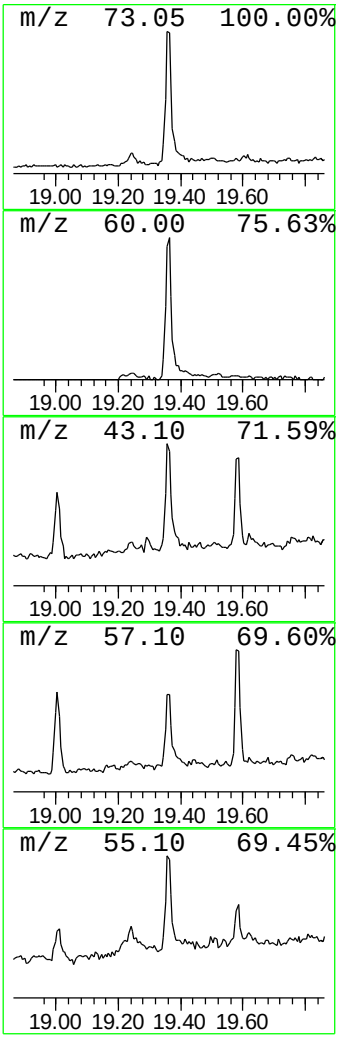
Peak Number 20 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	2.74 ng/ul	445955	Chrysene-d12	21.37

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	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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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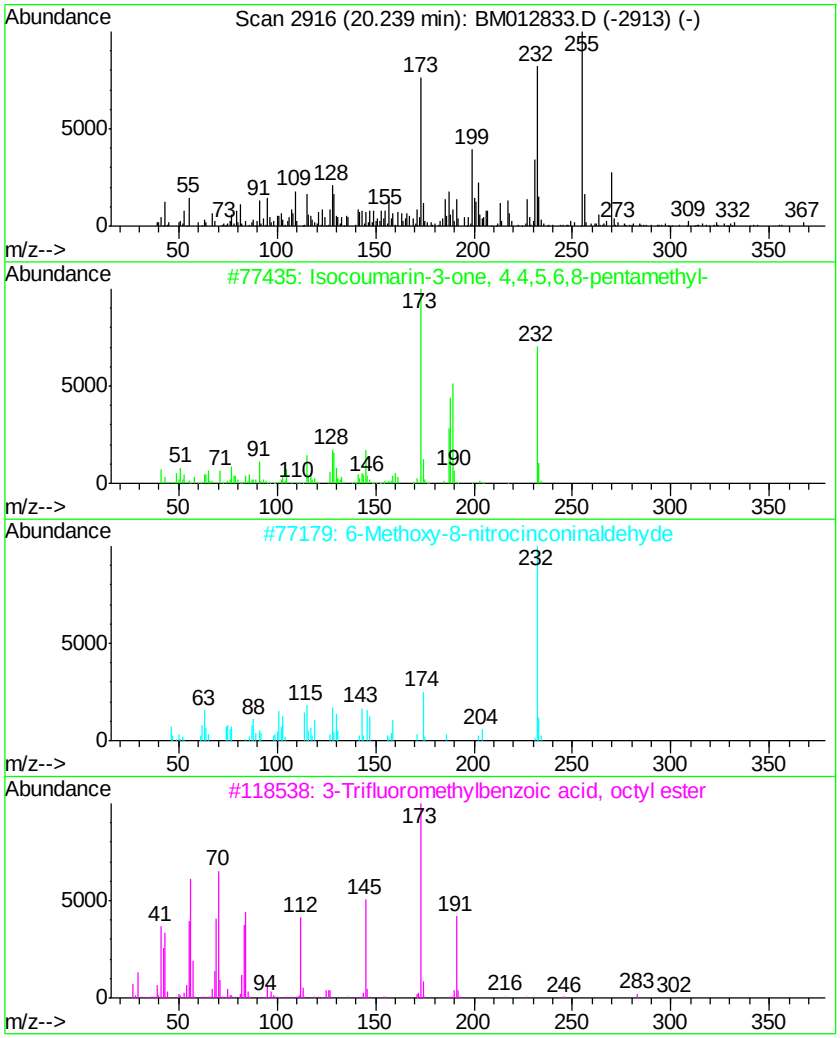
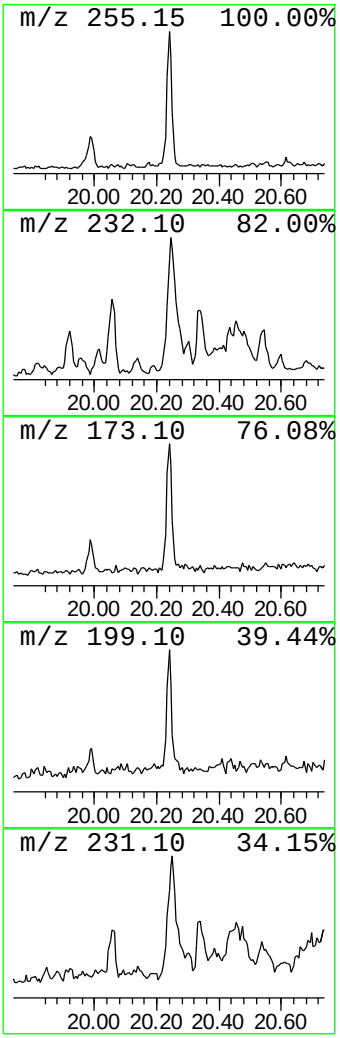
Peak Number 21 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.34 ng/ul	382185	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isocoumarin-3-one, 4,4,5,6,8-pen...	232	C14H16O3	084944-45-6	38
2	6-Methoxy-8-nitrocinconinaldehyde	232	C11H8N2O4	071601-22-4	25
3	3-Trifluoromethylbenzoic acid, o...	302	C16H21F3O2	1000281-83-1	25
4	Dihydro-normorphine, 3-desoxy-	255	C16H17NO2	031769-01-4	22
5	Benzene, 1,1'-(1,3,5-hexatriene-...	232	C18H16	001720-32-7	20





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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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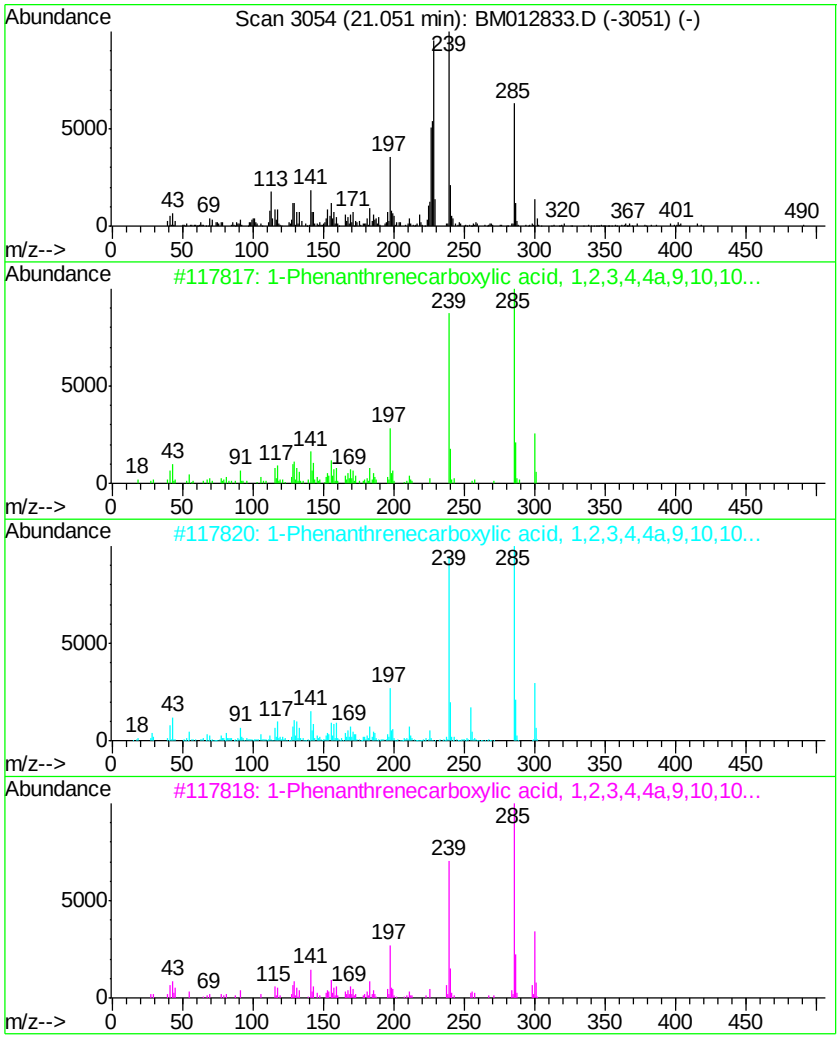
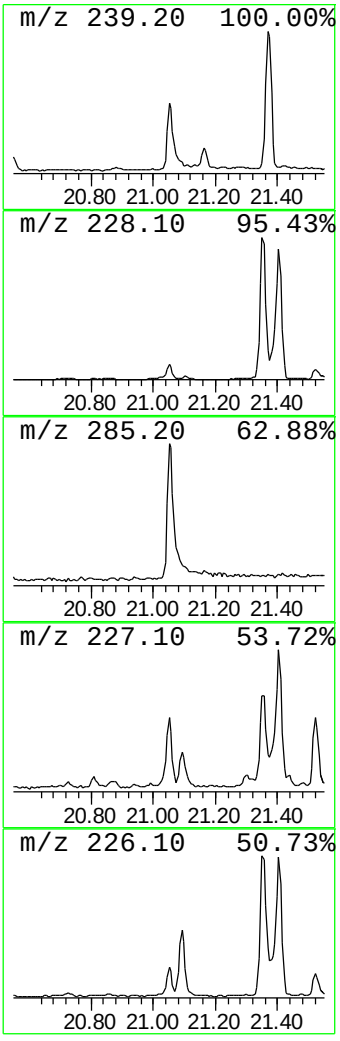
Peak Number 22 1-Phenanthrenecarboxylic ac... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.26 ng/ul	368047	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	93
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	64
3	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	55
4	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	46
5	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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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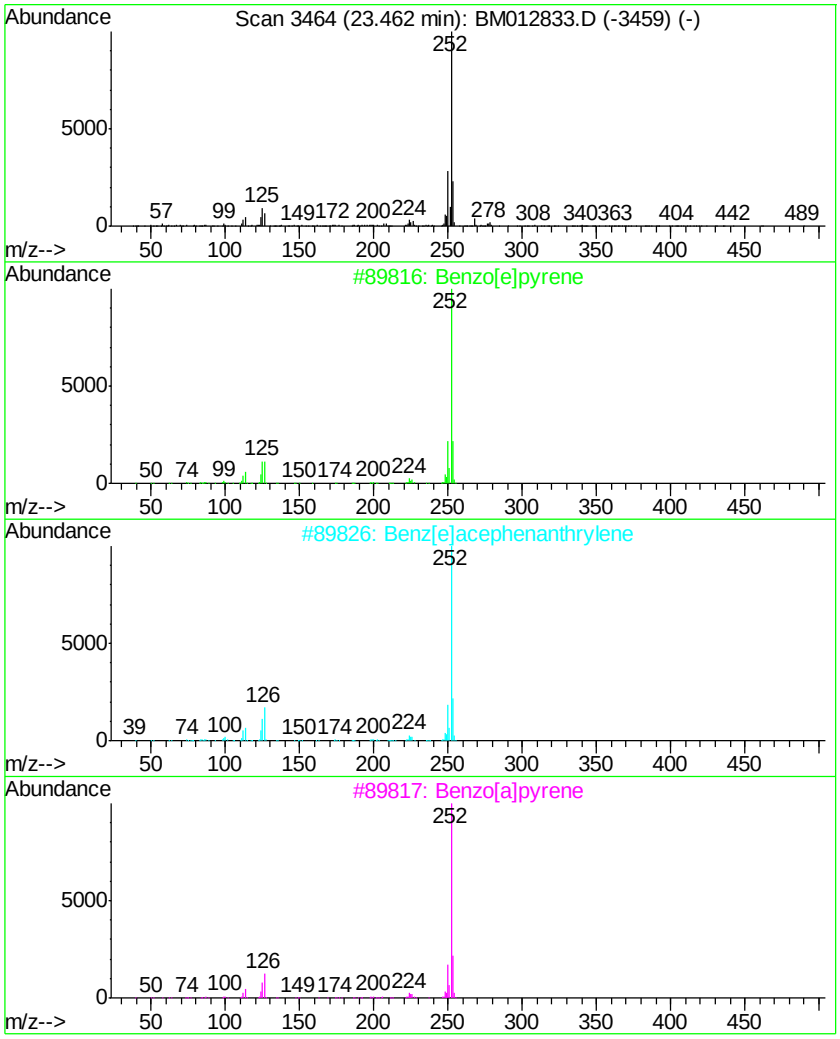
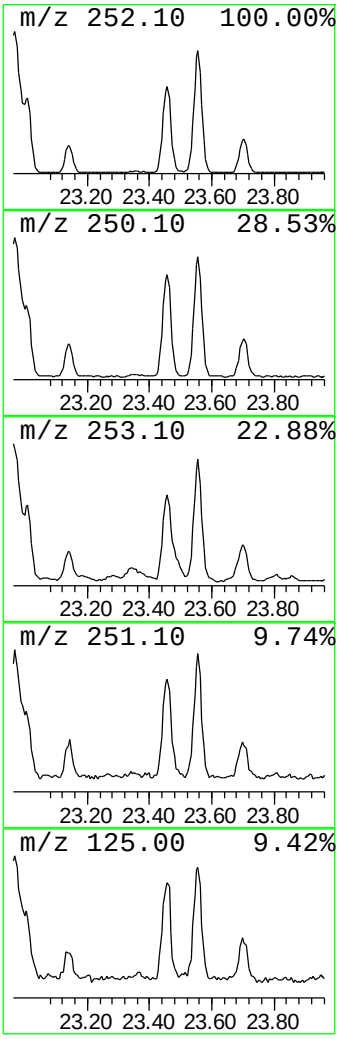
Peak Number 23 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	7.12 ng/ul	614446	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





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Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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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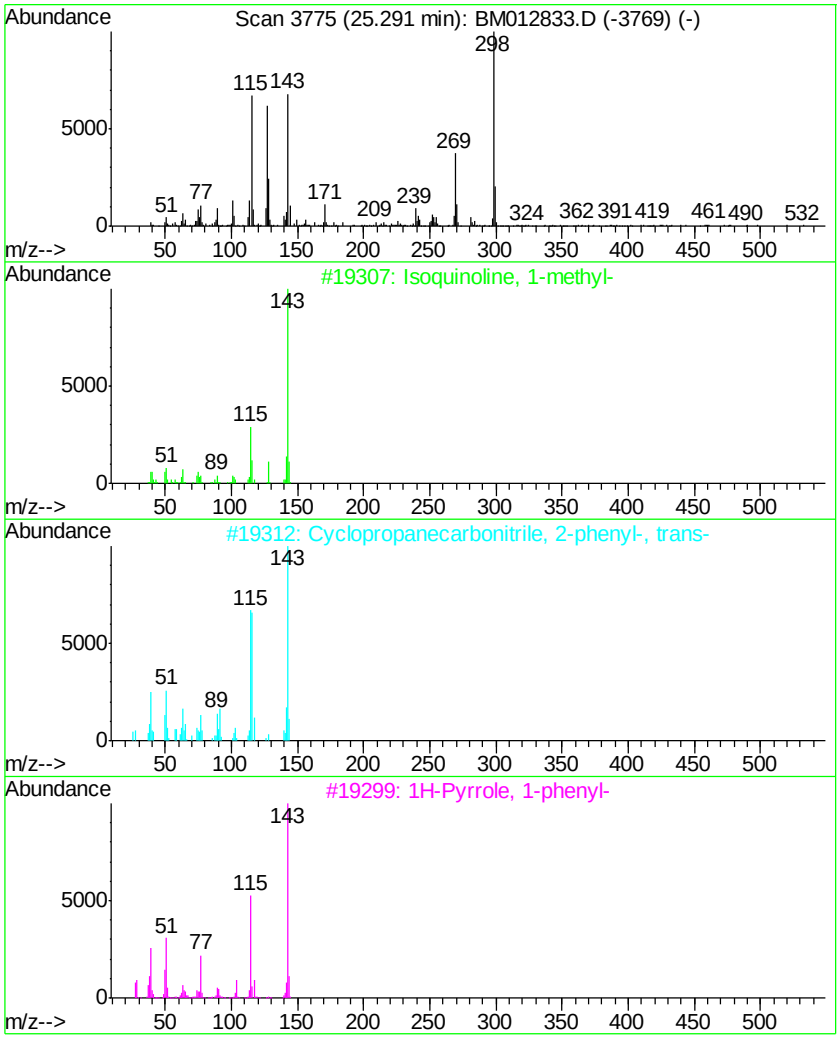
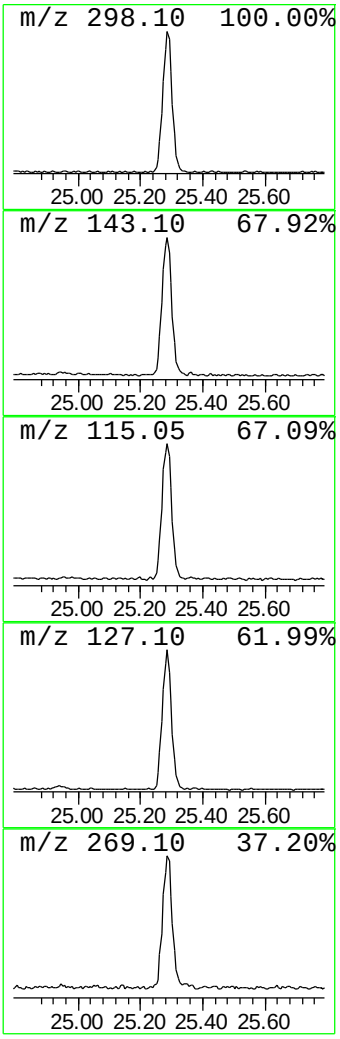
Peak Number 24 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.29	12.50 ng/ul	1079230	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	41
2	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	30
3	1H-Pyrrole, 1-phenyl-	143	C10H9N	000635-90-5	27
4	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	27
5	4,5-Dihydroxy-cyclohexane-1,2-di...	426	C24H46N2O4	1000189-57-4	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012833.D
Acq On : 08 Nov 2017 22:19
Operator : SJ/JU
Sample : I6032-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(1-2)-101817

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
unknown-01	6.79	2.4	ng/ul	121891	1	7.80	1009390	20.0
Benzene, 1-ethyl-...	6.89	2.5	ng/ul	123981	1	7.80	1009390	20.0
(DEL) Alkane: Str...	7.42	12.1	ng/ul	611099	1	7.80	1009390	20.0
Benzene, 1-methyl...	7.93	6.0	ng/ul	300129	1	7.80	1009390	20.0
Benzene, 1-methyl...	8.35	2.9	ng/ul	148348	1	7.80	1009390	20.0
Benzene, 1-ethyl-...	8.44	3.8	ng/ul	191637	1	7.80	1009390	20.0
(DEL) Alkane: Str...	9.02	10.5	ng/ul	531826	1	7.80	1009390	20.0
1-Naphthalenamine	14.99	4.7	ng/ul	454649	3	14.44	1921680	20.0
(DEL) Alkane: Str...	16.15	2.6	ng/ul	279231	4	17.19	2145960	20.0
n-Hexadecanoic acid	18.08	7.4	ng/ul	798699	4	17.19	2145960	20.0
4H-Cyclopenta[def...	18.26	4.0	ng/ul	424030	4	17.19	2145960	20.0
18-Norabietane	18.66	3.1	ng/ul	336490	4	17.19	2145960	20.0
4b,8-Dimethyl-2-i...	18.80	6.1	ng/ul	654550	4	17.19	2145960	20.0
(DEL) Alkane: Str...	19.00	2.3	ng/ul	246877	4	17.19	2145960	20.0
10,18-Bisnorabiet...	19.30	3.9	ng/ul	641688	5	21.37	3260420	20.0
Octadecanoic acid	19.36	2.7	ng/ul	445955	5	21.37	3260420	20.0
unknown-02	20.24	2.3	ng/ul	382185	5	21.37	3260420	20.0
1-Phenanthrenecar...	21.05	2.3	ng/ul	368047	5	21.37	3260420	20.0
Benzo[e]pyrene	23.46	7.1	ng/ul	614446	6	23.65	1726650	20.0
unknown-03	25.29	12.5	ng/ul	1079230	6	23.65	1726650	20.0