LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046357.D
Acq On : 19 Aug 2020 22:07
Operator : CG/JU
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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	3.144	4	9	38	rVB	1121866	1878648	51.79%	3.785%
2	3.920	136	141	147	rVV	28085	43036	1.19%	0.087%
3	7.104	676	683	703	rBV	241727	446239	12.30%	0.899%
4	7.263	703	710	721	rBV	207487	359421	9.91%	0.724%
5	7.474	739	746	757	rBV	267519	468153	12.91%	0.943%
6	7.938	818	825	834	rBV	325723	550048	15.16%	1.108%
7	8.643	938	945	961	rBV	311503	547343	15.09%	1.103%
8	9.090	1014	1021	1033	rBV	251387	454490	12.53%	0.916%
9	9.813	1137	1144	1155	rBV	206674	364137	10.04%	0.734%
10	10.359	1228	1237	1250	rBV	326772	606827	16.73%	1.222%
11	10.735	1293	1301	1307	rBV	471603	829528	22.87%	1.671%
12	10.864	1316	1323	1337	rVV	155657	297504	8.20%	0.599%
13	13.896	1832	1839	1843	rBV2	17473	28869	0.80%	0.058%
14	13.972	1843	1852	1856	rVV	590900	896541	24.72%	1.806%
15	14.019	1856	1860	1865	rVV	183489	263549	7.27%	0.531%
16	14.260	1890	1901	1918	rBV	766398	1271629	35.06%	2.562%
17	14.566	1945	1953	1959	rBV2	785966	1208016	33.30%	2.434%
18	14.631	1959	1964	1971	rVB2	61712	92919	2.56%	0.187%
19	14.760	1981	1986	1999	rBV	68112	150766	4.16%	0.304%
20	14.965	2016	2021	2029	rVB2	42685	72036	1.99%	0.145%
21	15.365	2080	2089	2097	rBV5	9939	30098	0.83%	0.061%
22	15.559	2114	2122	2127	rBV	1050372	1550257	42.74%	3.123%
23	15.612	2127	2131	2136	rVB3	62633	87400	2.41%	0.176%
24	15.676	2136	2142	2150	rBV	108202	175662	4.84%	0.354%
25	15.905	2177	2181	2190	rVB	34479	59165	1.63%	0.119%
26	16.058	2201	2207	2215	rVB	36054	78198	2.16%	0.158%
27	16.287	2241	2246	2254	rBV7	18042	33480	0.92%	0.067%
28	16.616	2290	2302	2307	rBV5	25753	75121	2.07%	0.151%
29	16.851	2337	2342	2345	rBV2	23045	33768	0.93%	0.068%
30	16.963	2356	2361	2369	rVB	60941	109405	3.02%	0.220%
31	17.045	2369	2375	2381	rBV4	34135	87099	2.40%	0.175%
32	17.128	2385	2389	2398	rVB	44757	80488	2.22%	0.162%
33	17.310	2413	2420	2424	rBV	977808	1546726	42.64%	3.116%
34	17.351	2424	2427	2432	rVB	831682	1111806	30.65%	2.240%

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

35	17.410	2432	2437	2441	rBV2	958292	1491758	41.13%	3.005%
36	17.498	2448	2452	2459	rBV4	20087	34842	0.96%	0.070%
37	17.709	2479	2488	2492	rBV	87244	143899	3.97%	0.290%
38	17.750	2492	2495	2502	rVV4	16724	31392	0.87%	0.063%
39	17.827	2504	2508	2513	rVB2	30030	42114	1.16%	0.085%
40	17.886	2514	2518	2522	rVV3	28103	38475	1.06%	0.078%
41	18.185	2559	2569	2573	rBV	181632	275352	7.59%	0.555%
42	18.232	2573	2577	2583	rVB	240944	355095	9.79%	0.715%
43	18.314	2586	2591	2596	rBV	74822	109099	3.01%	0.220%
44	18.379	2596	2602	2606	rBV2	210681	411932	11.36%	0.830%
45	18.414	2606	2608	2614	rVB	125281	152266	4.20%	0.307%
46	18.497	2614	2622	2625	rBV6	19666	51484	1.42%	0.104%
47	18.532	2625	2628	2632	rVB4	22645	31264	0.86%	0.063%
48	18.620	2639	2643	2648	rBV6	17833	34953	0.96%	0.070%
49	18.679	2649	2653	2657	rVV	134342	199841	5.51%	0.403%
50	18.720	2657	2660	2666	rVB	124817	171005	4.71%	0.344%
51	18.808	2671	2675	2683	rBV3	20237	34473	0.95%	0.069%
52	18.931	2692	2696	2699	rBV	50684	62909	1.73%	0.127%
53	18.978	2701	2704	2707	rVB	38437	41811	1.15%	0.084%
54	19.014	2707	2710	2715	rVB2	53094	76027	2.10%	0.153%
55	19.096	2715	2724	2729	rBV2	143812	284108	7.83%	0.572%
56	19.160	2729	2735	2738	rBV3	56835	106536	2.94%	0.215%
57	19.190	2738	2740	2744	rVB2	44041	49541	1.37%	0.100%
58	19.237	2744	2748	2756	rVB	129554	225977	6.23%	0.455%
59	19.360	2757	2769	2775	rBV	1701856	2388913	65.86%	4.813%
60	19.425	2776	2780	2783	rBV	34932	45790	1.26%	0.092%
61	19.460	2783	2786	2790	rVB3	46211	61407	1.69%	0.124%
62	19.507	2790	2794	2798	rBV2	51166	73945	2.04%	0.149%
63	19.554	2798	2802	2806	rBV3	43942	71640	1.98%	0.144%
64	19.601	2807	2810	2815	rBV3	41032	52313	1.44%	0.105%
65	19.695	2820	2826	2828	rVV2	1618610	2454676	67.68%	4.945%
66	19.725	2828	2831	2838	rVV	1461706	2079950	57.34%	4.190%
67	19.795	2838	2843	2850	rVB2	104222	203647	5.61%	0.410%
68	19.901	2856	2861	2867	rVB	105251	151027	4.16%	0.304%
69	19.954	2867	2870	2876	rVB4	40991	57178	1.58%	0.115%
70	20.048	2879	2886	2892	rBV4	161387	440813	12.15%	0.888%
71	20.177	2903	2908	2910	rBV3	126867	194747	5.37%	0.392%

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Sample : L3633-12
Misc :
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Instrument : BNA_G
ClientSampleId : BFME0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

72	20.212	2910	2914	2919	rVB	266777	393851	10.86%	0.793%
73	20.312	2927	2931	2935	rBV	154996	200672	5.53%	0.404%
74	20.371	2935	2941	2945	rVV2	241151	414696	11.43%	0.835%
75	20.412	2945	2948	2951	rVB2	48158	58132	1.60%	0.117%
76	20.453	2951	2955	2960	rVB3	61471	90242	2.49%	0.182%
77	20.512	2960	2965	2968	rBV	132800	199633	5.50%	0.402%
78	20.553	2968	2972	2977	rVB2	118178	173887	4.79%	0.350%
79	20.806	3011	3015	3017	rBV3	36631	47734	1.32%	0.096%
80	20.964	3038	3042	3049	rVB	221043	342270	9.44%	0.690%
81	21.146	3066	3073	3077	rBV2	161637	380277	10.48%	0.766%
82	21.188	3077	3080	3084	rVV	194637	285663	7.88%	0.575%
83	21.235	3084	3088	3093	rVV2	182876	335107	9.24%	0.675%
84	21.287	3093	3097	3106	rVB2	194601	352441	9.72%	0.710%
85	21.546	3133	3141	3147	rBV3	1424414	3627135	100.00%	7.307%
86	21.599	3147	3150	3163	rVB	836614	1439401	39.68%	2.900%
87	21.752	3172	3176	3181	rBV	107178	201569	5.56%	0.406%
88	21.945	3204	3209	3216	rBV2	152215	313162	8.63%	0.631%
89	22.198	3247	3252	3255	rBV2	64959	116110	3.20%	0.234%
90	22.269	3257	3264	3269	rVV	236031	517587	14.27%	1.043%
91	22.333	3272	3275	3284	rVB2	155511	290178	8.00%	0.585%
92	22.527	3304	3308	3312	rBV2	102482	158368	4.37%	0.319%
93	23.685	3496	3505	3512	rBV	723439	2409300	66.42%	4.854%
94	23.926	3541	3546	3554	rVB	175692	390258	10.76%	0.786%
95	24.378	3616	3623	3629	rBV	374877	919409	25.35%	1.852%
96	24.454	3629	3636	3641	rVV	649937	1607488	44.32%	3.238%
97	24.519	3641	3647	3660	rVB	686430	1841753	50.78%	3.710%
98	24.666	3662	3672	3678	rBV2	634959	1723223	47.51%	3.472%
99	28.173	4260	4269	4291	rVB2	304509	1497149	41.28%	3.016%
100	29.260	4446	4454	4468	rVB3	162745	691802	19.07%	1.394%

Sum of corrected areas: 49639068

LSC Report - Integrated Chromatogram

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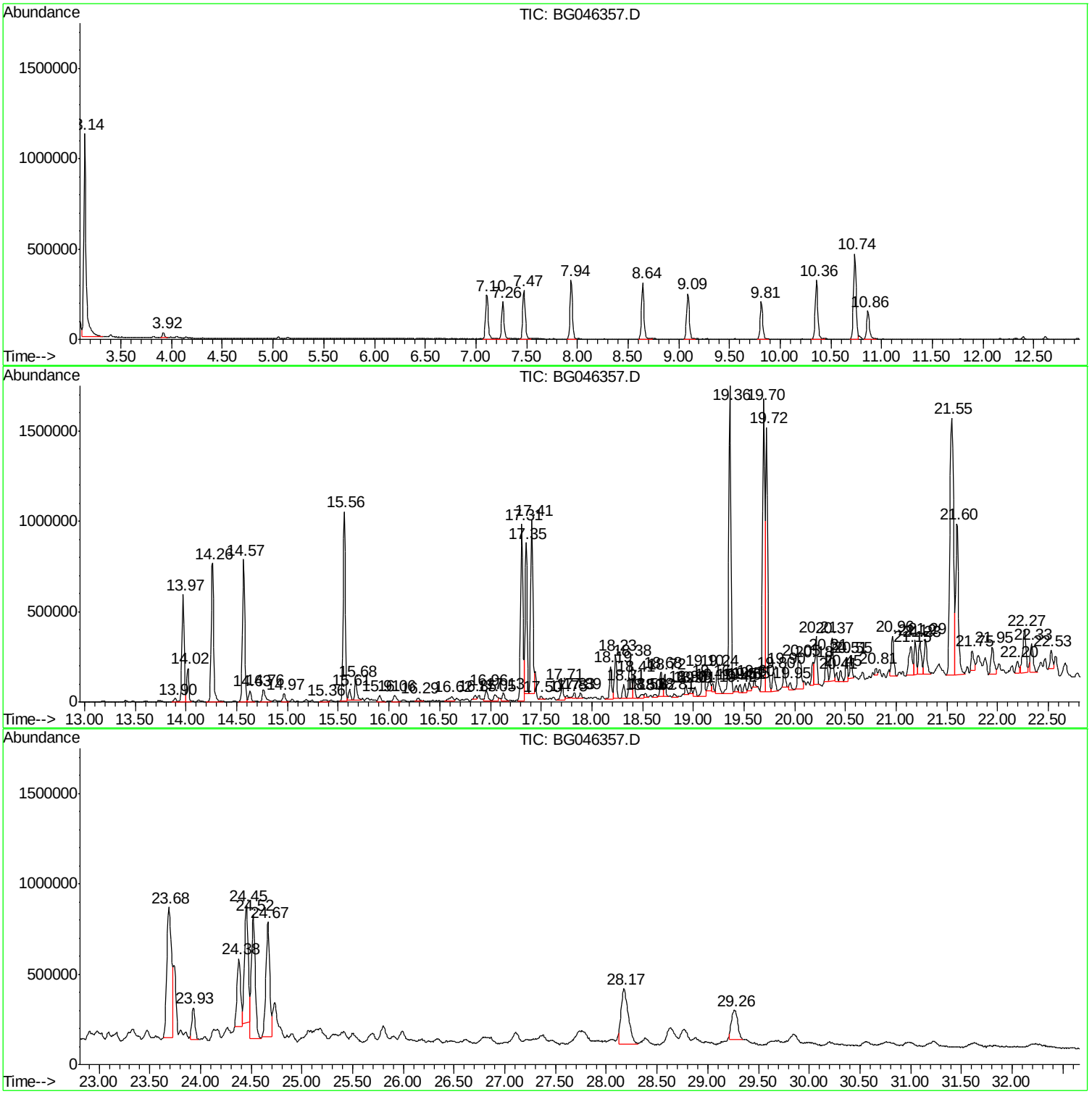
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 19 Aug 2020 22:07
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ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

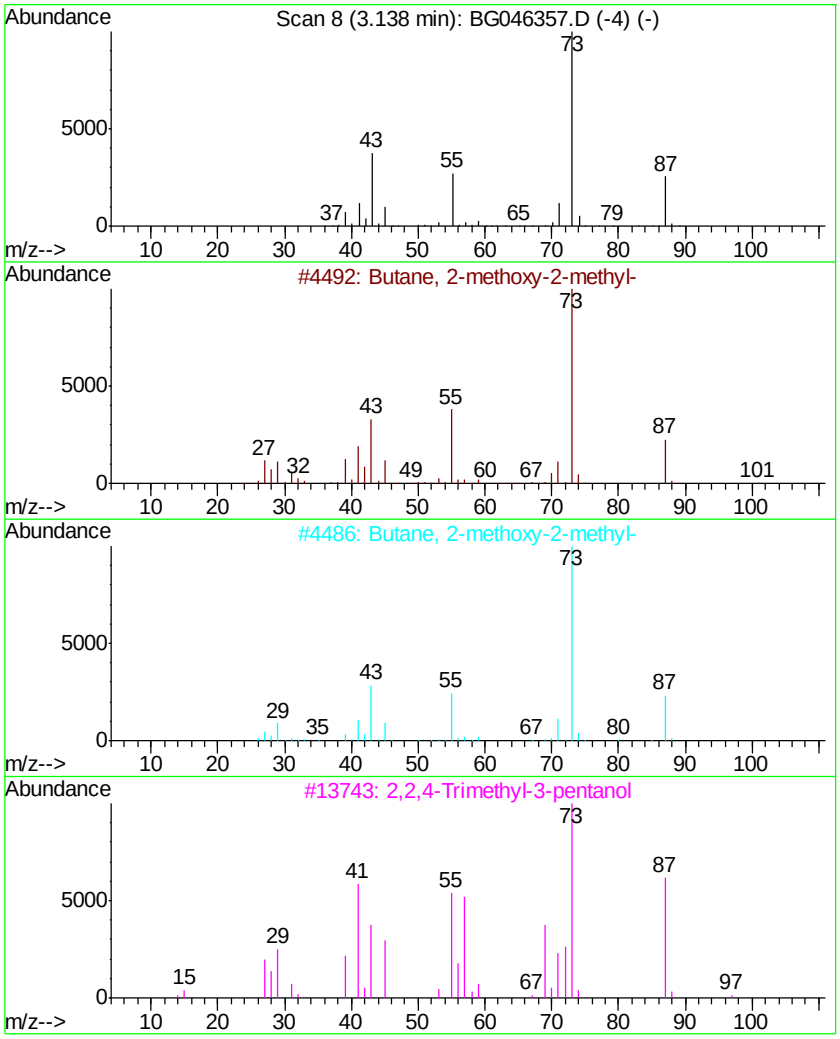
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

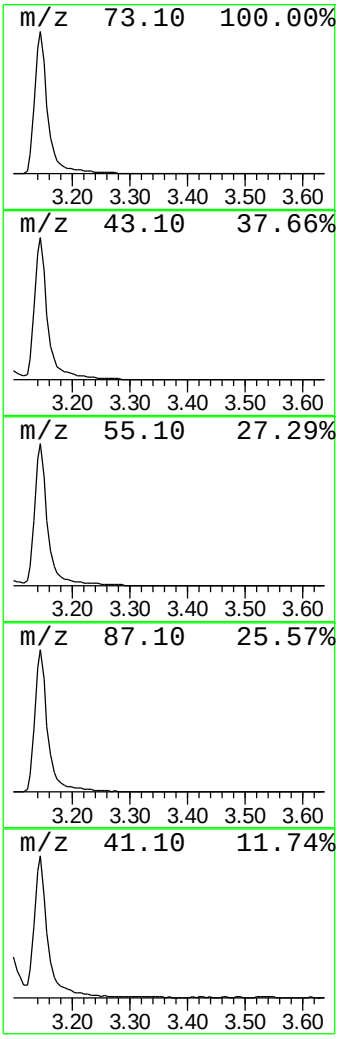
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	68.31 ng/ul	1878650	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

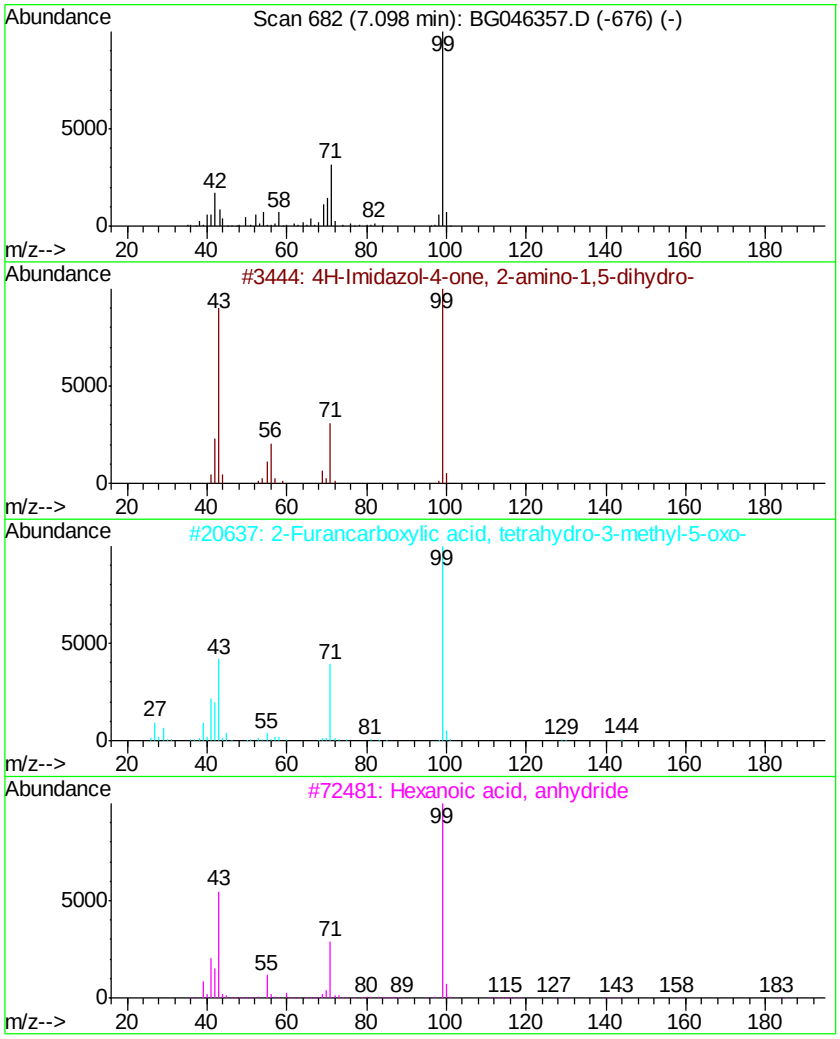
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

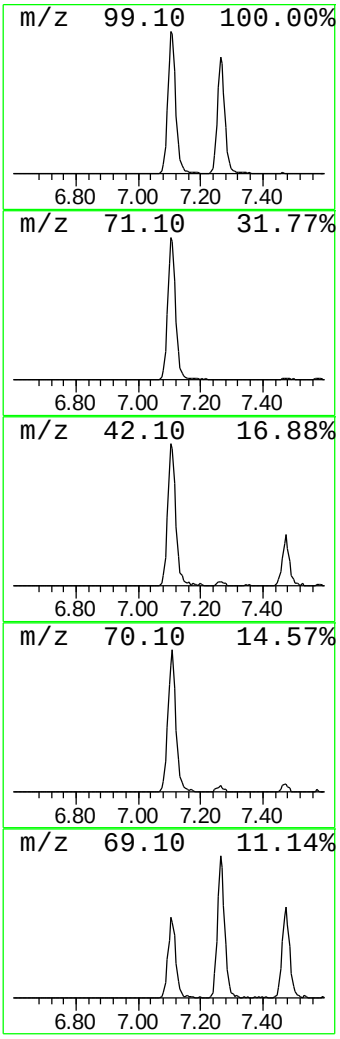
****

Peak Number 2 4H-Imidazol-4-one, 2-amino-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	16.23 ng/ul	446239	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	64
2	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	53
4	Piperazine, 1-(4-acetylphenylsul...	282	C13H18N2O3S	309271-25-8	53
5	2-Pyrrolidinone, 4-methyl-	99	C5H9NO	1000197-00-3	53





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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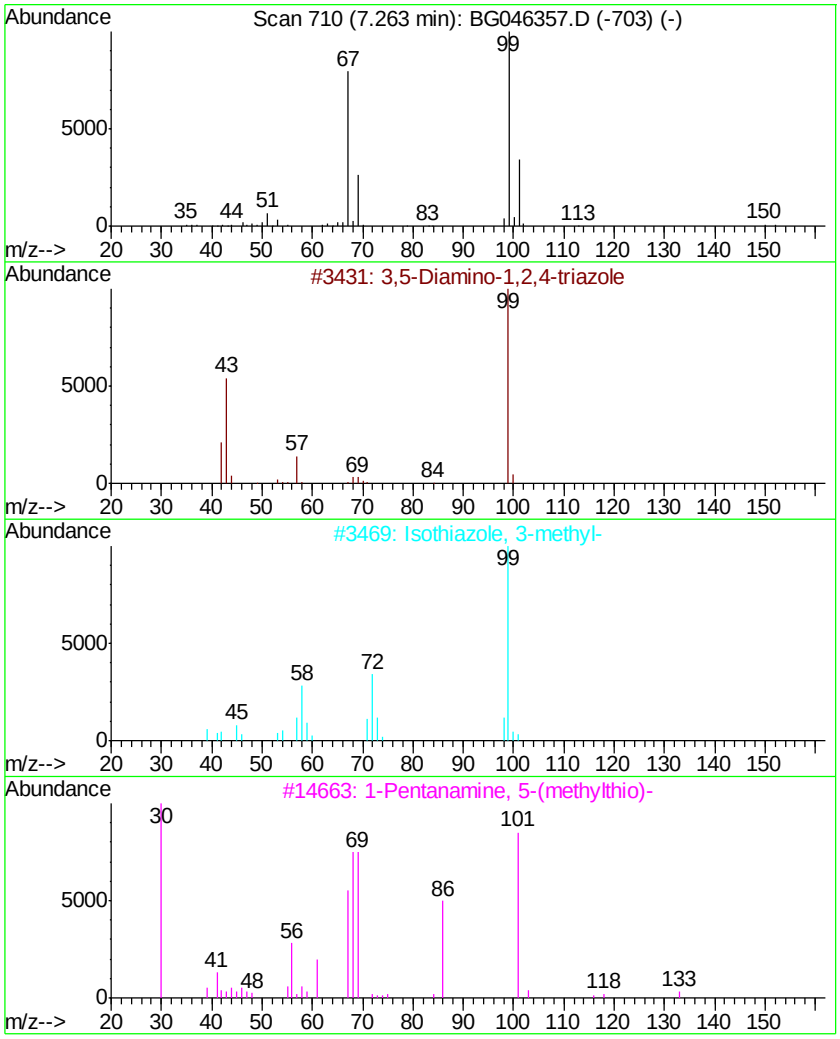
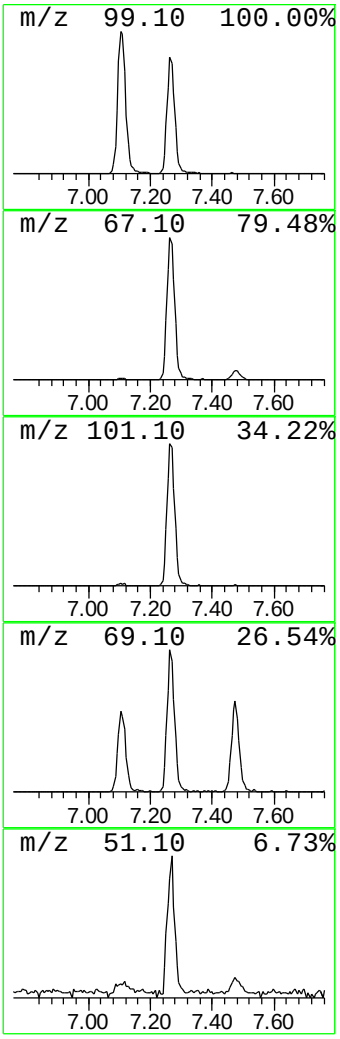
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	13.07 ng/ul	359421	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	Allyl Isothiocyanate	99	C4H5NS	000057-06-7	7
5	Cyclopropane, isothiocyanato-	99	C4H5NS	056601-42-4	7





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Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

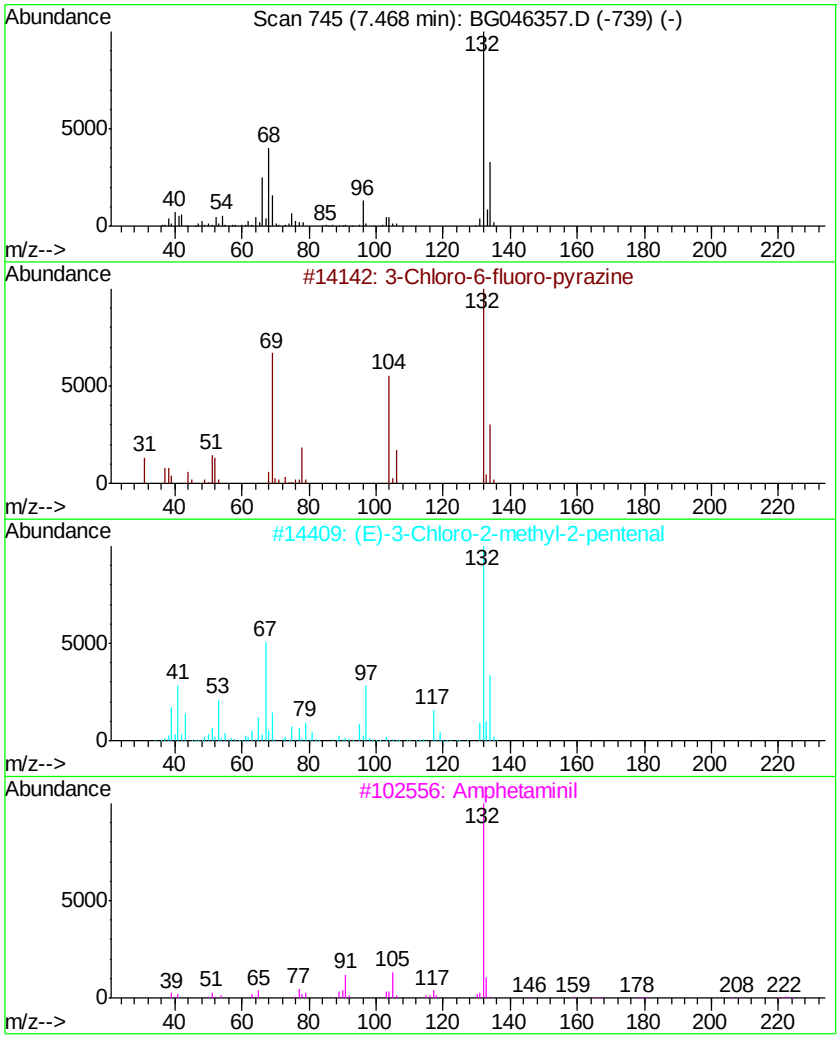
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

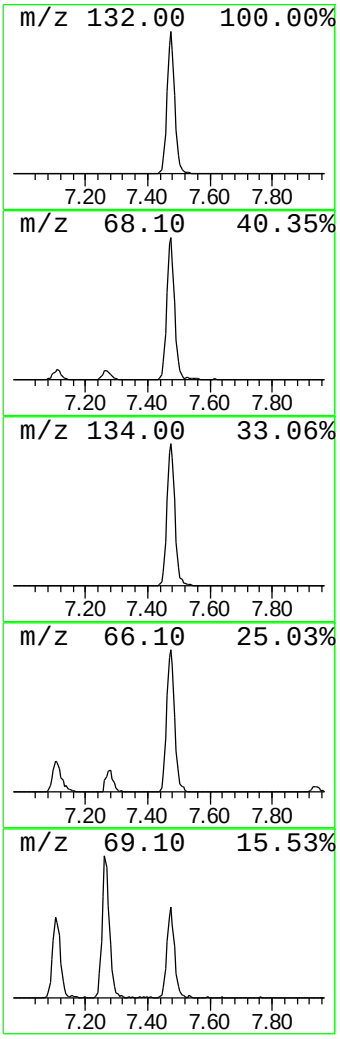
****

Peak Number 4 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	17.02 ng/ul	468153	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Library Search Compound Report

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Acq On : 19 Aug 2020 22:07
Operator : CG/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

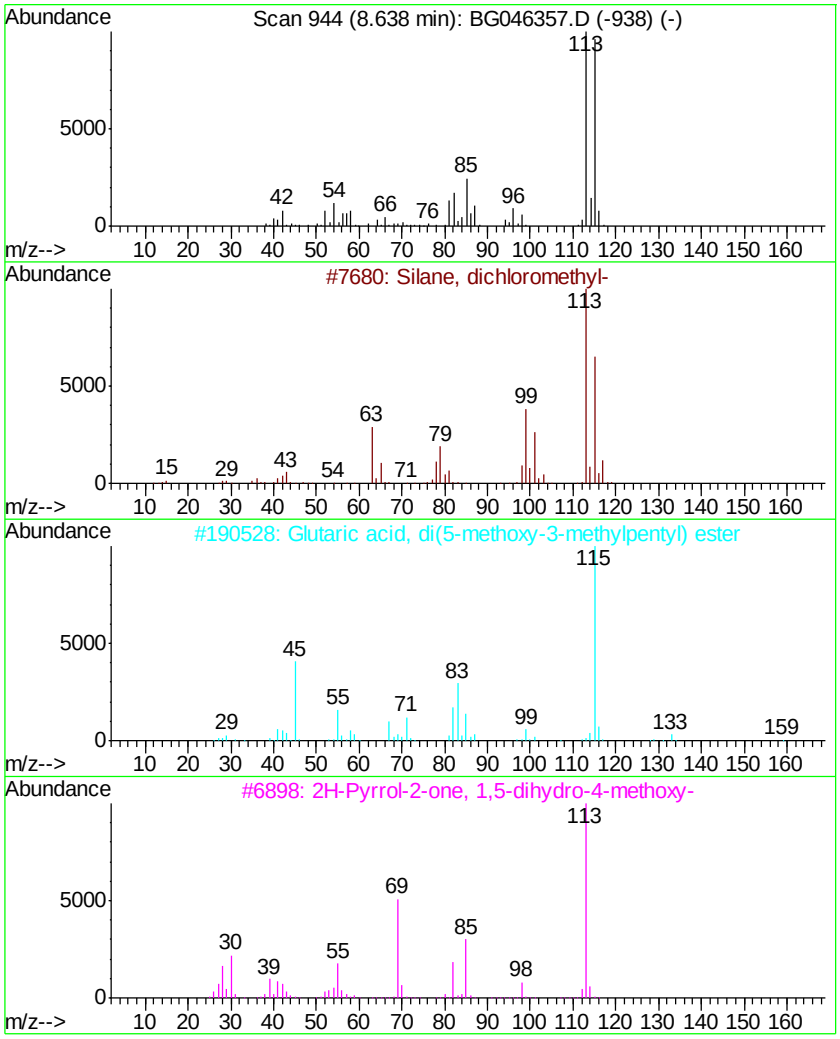
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

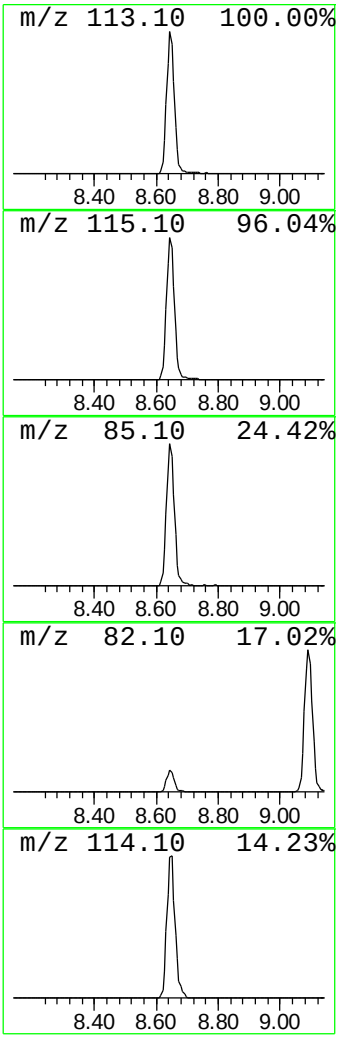
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	19.90 ng/ul	547343	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
4	2,2-Dimethylcyclopropanecarboxamide	113	C6H11NO	075885-58-4	27
5	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	25





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Operator : CG/JU
Sample : L3633-12
Misc :
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Instrument : BNA_G
ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

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

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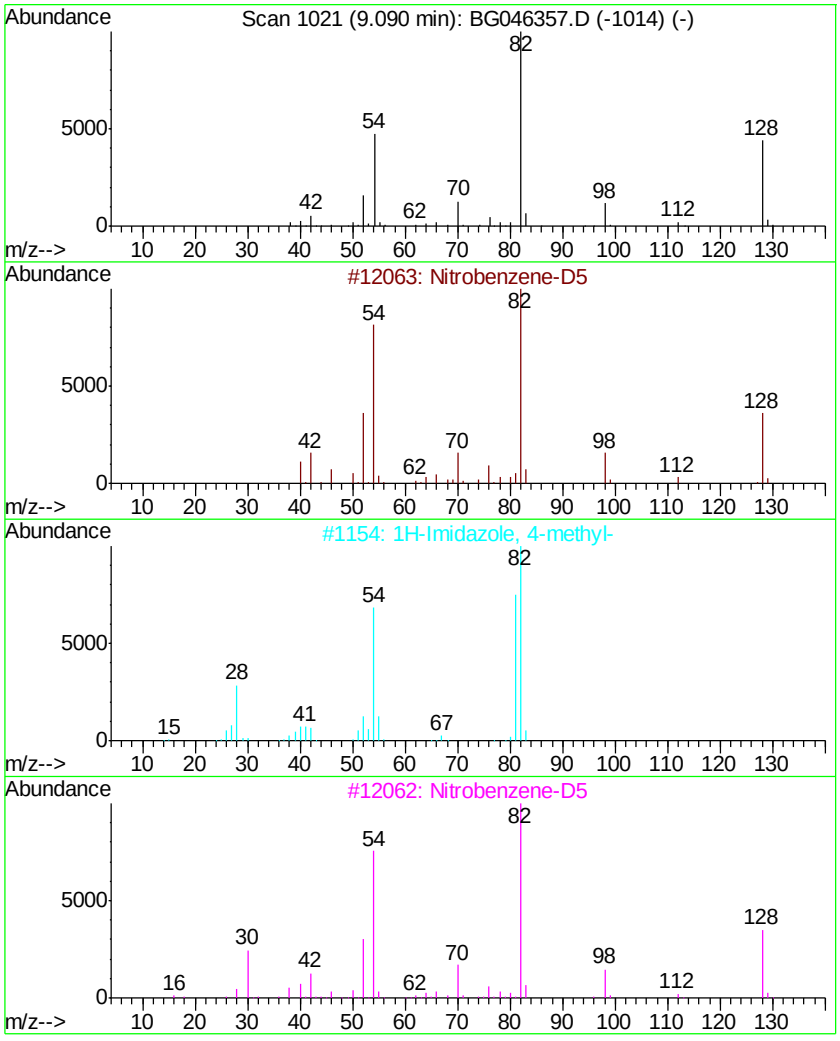
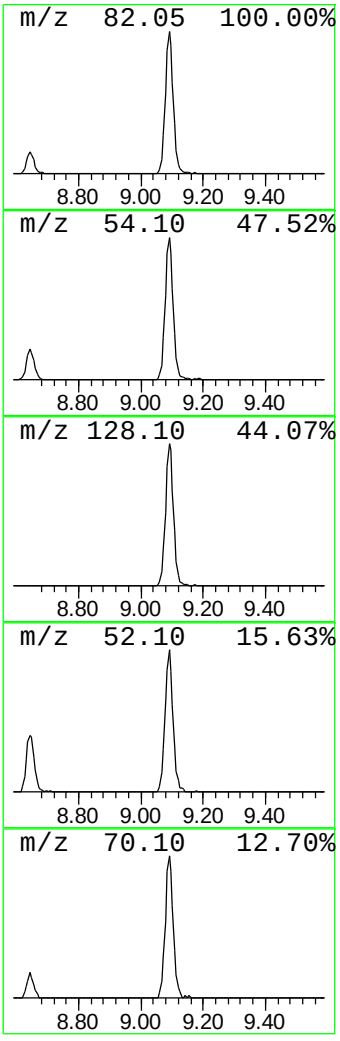
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	16.53 ng/ul	454490	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	56
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	47
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
5	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33





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Instrument : BNA_G
ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

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

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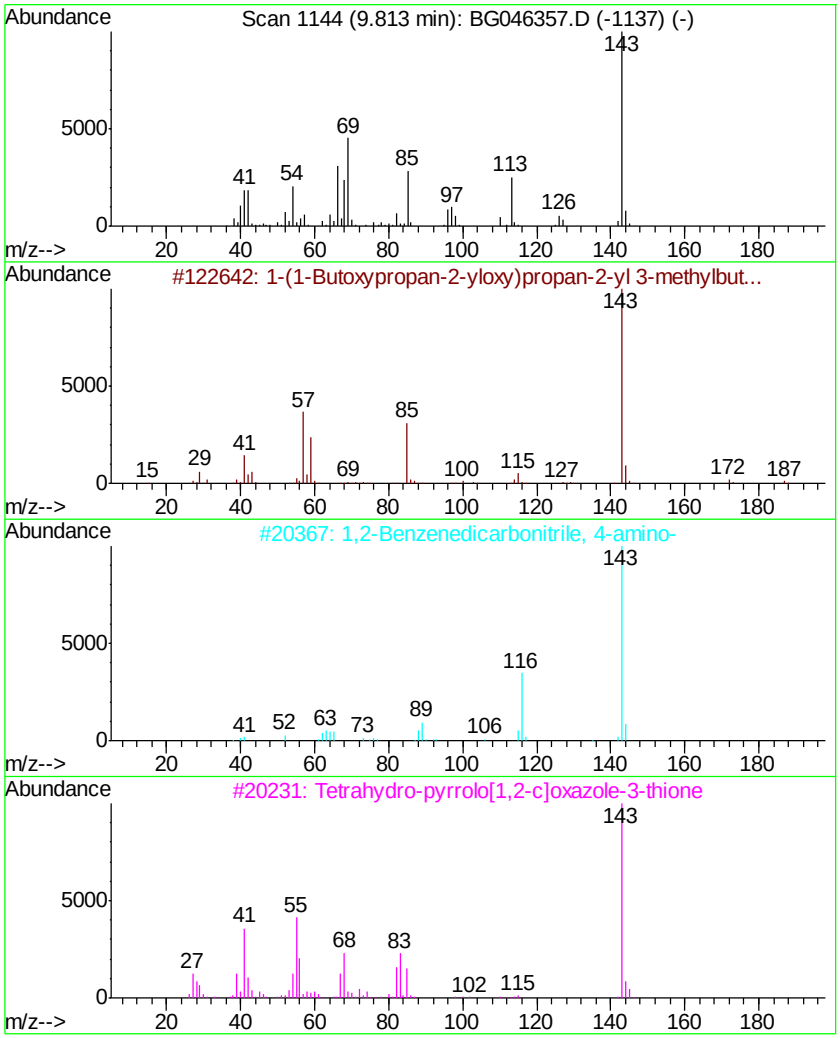
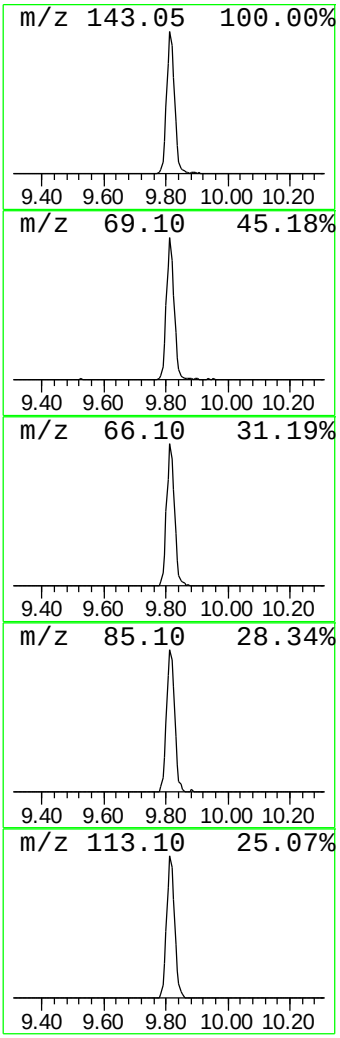
Peak Number 7 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	8.78 ng/ul	364137	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	27
2	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	18
3	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	16
5	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	16





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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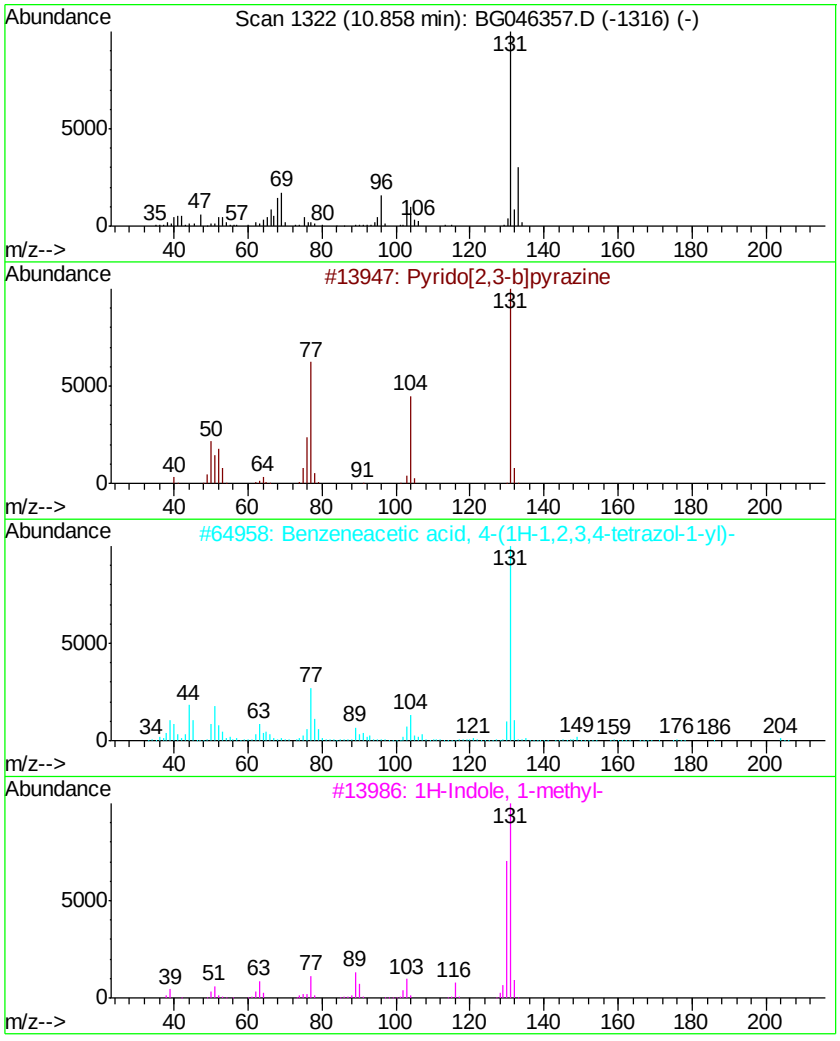
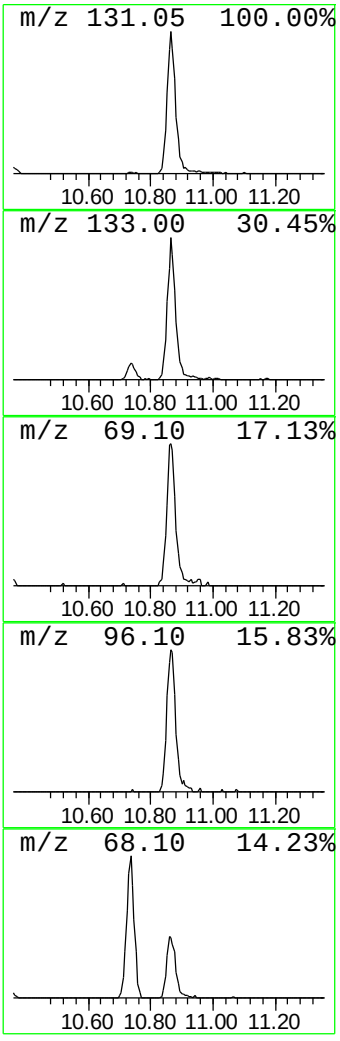
Peak Number 8 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	7.17 ng/ul	297504	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	38
2	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
4	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	25
5	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9





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Quant Title : SVOA CALIBRATION

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

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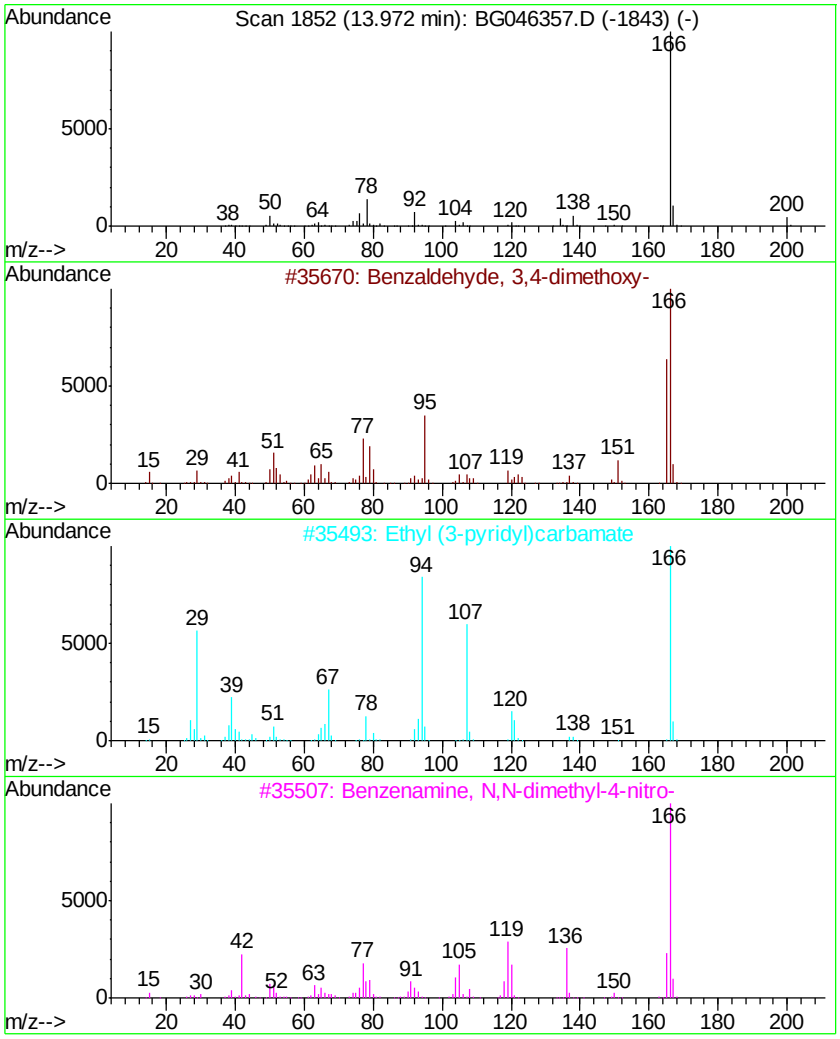
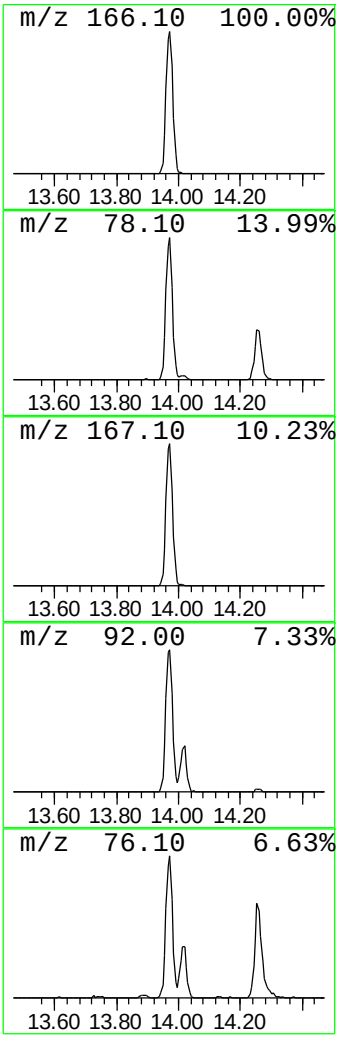
Peak Number 9 unknown-06 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	14.84 ng/ul	896541	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	42
3	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
4	6H-Purine-6-thione, 1,7-dihydro-...	166	C6H6N4S	001126-23-4	9
5	Benzo[b]tetrahydrofuran-3-one, 5...	166	C8H6O4	014771-00-7	9





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Quant Title : SVOA CALIBRATION

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

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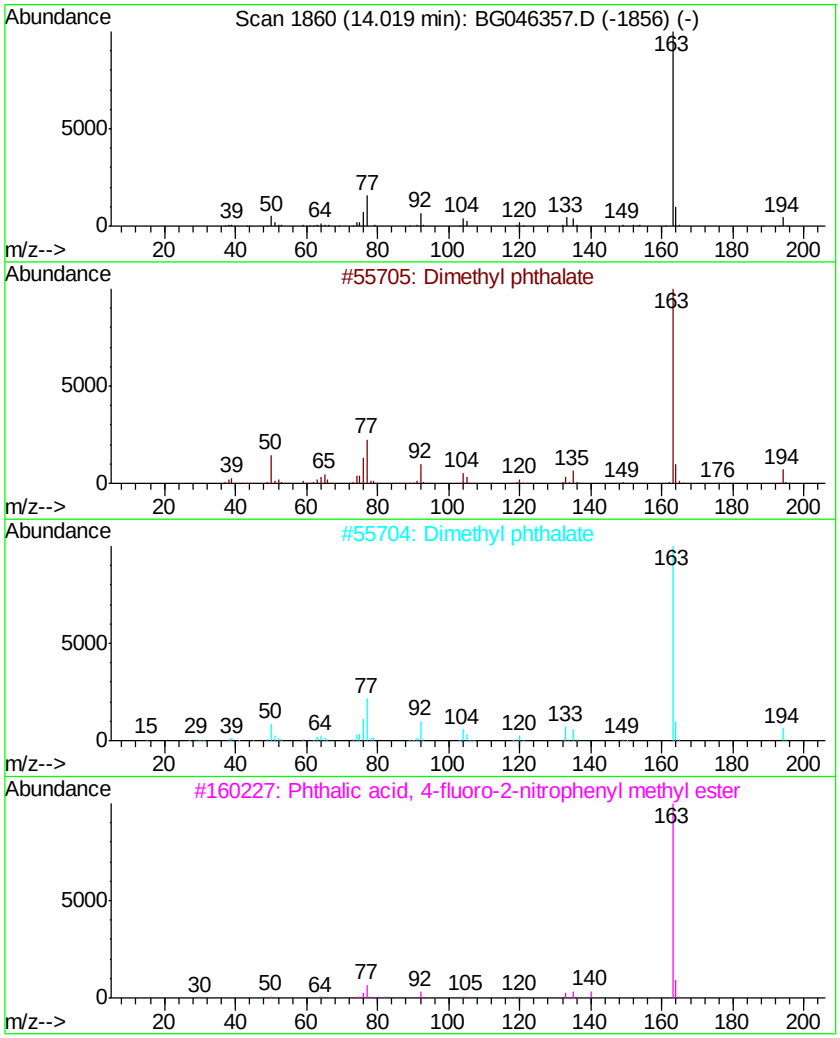
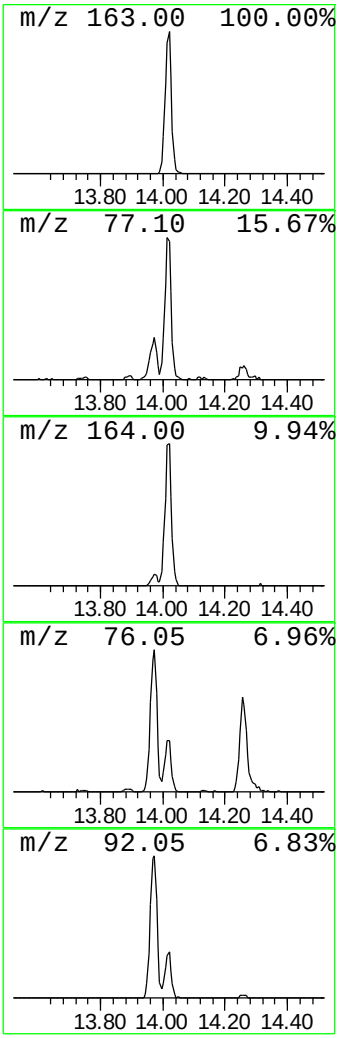
Peak Number 10 Dimethyl phthalate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	4.36 ng/ul	263549	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	86
3	Phthalic acid, 4-fluoro-2-nitrop...	319	C15H10FNO6	1000315-63-4	83
4	Phthalic acid, methyl 2-nitrophe...	301	C15H11NO6	1000315-68-3	78
5	Phthalic acid, 2-bromo-4-fluorop...	352	C15H10BrFO4	1000315-62-3	74





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Quant Title : SVOA CALIBRATION

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

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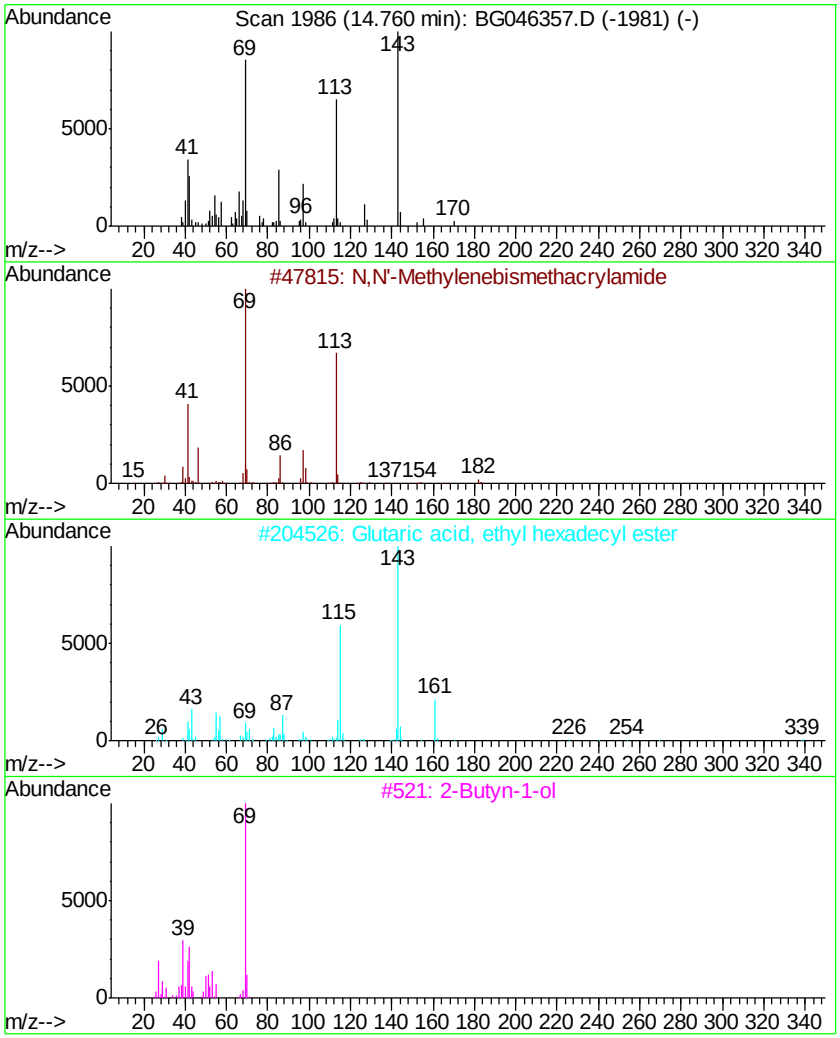
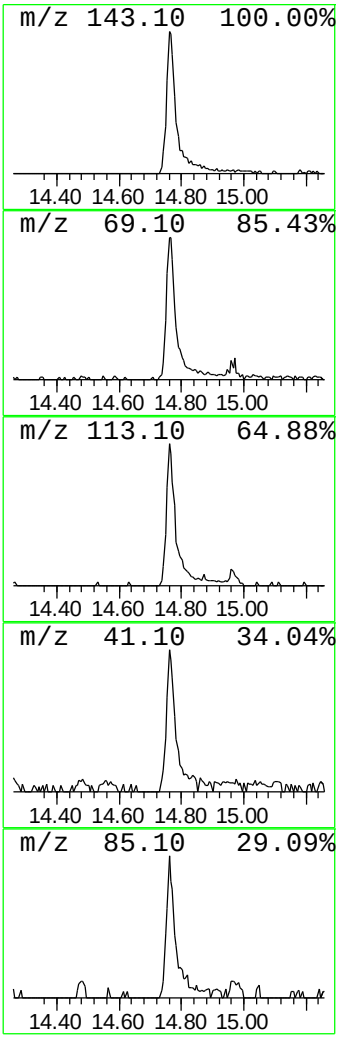
Peak Number 11 unknown-07 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	2.50 ng/ul	150766	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	32
2	Glutaric acid, ethyl hexadecyl e...	384	C23H44O4	1000358-35-6	22
3	2-Butyn-1-ol	70	C4H6O	000764-01-2	22
4	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	14
5	1-Cyclopentylethanol, trifluoroa...	210	C9H13F3O2	1000364-11-9	12





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ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

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

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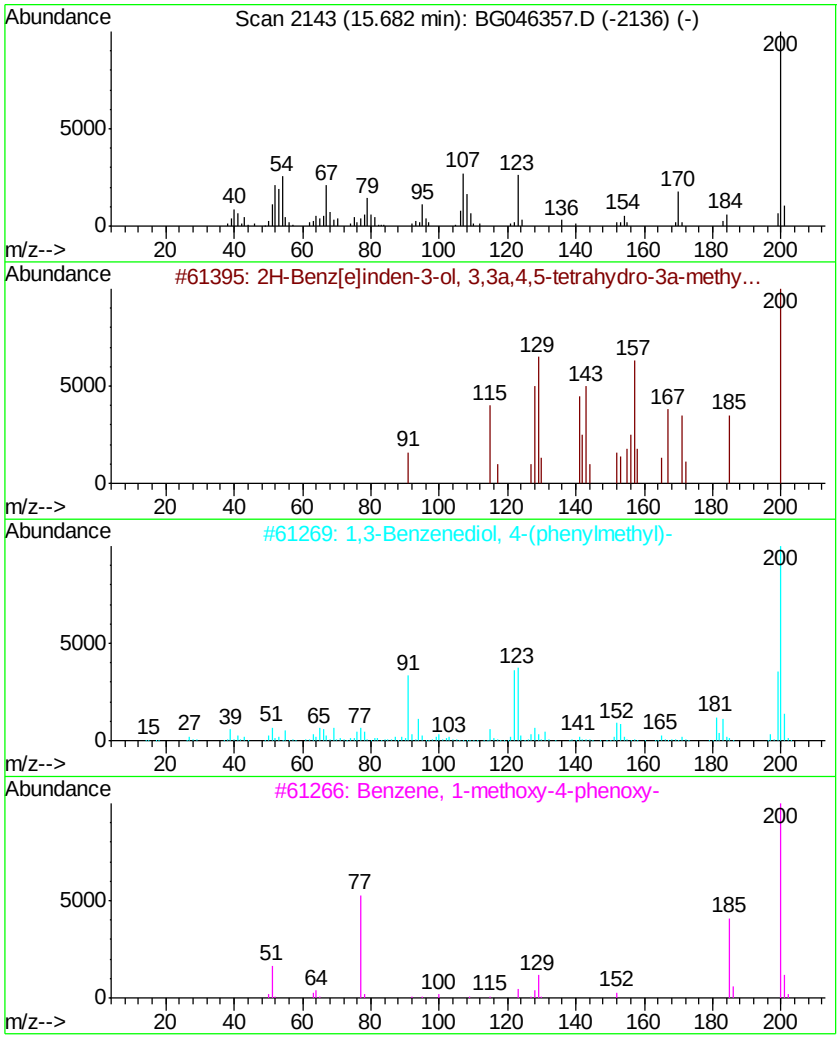
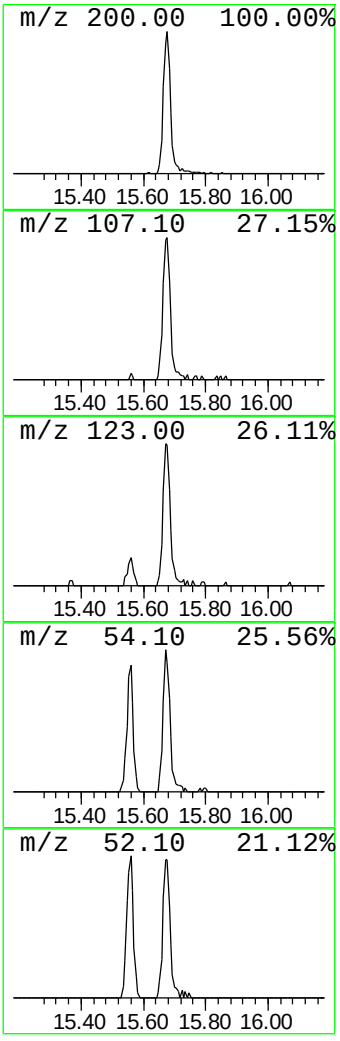
Peak Number 12 unknown-08 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.91 ng/ul	175662	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	35
2	1,3-Benzenediol, 4-(phenylmethyl)-	200	C13H12O2	002284-30-2	27
3	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	18
4	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	14
5	Anthracene, 1,2,3,4,5,6,7,8-octa...	200	C15H20	1000159-30-4	14





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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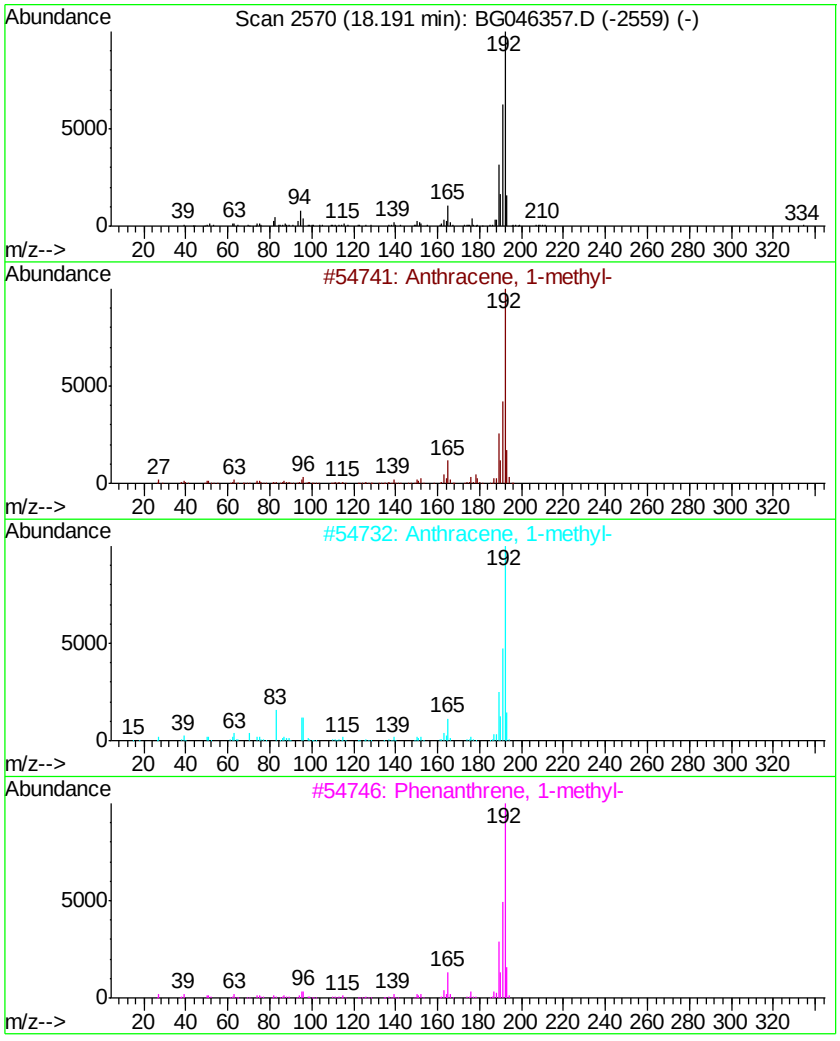
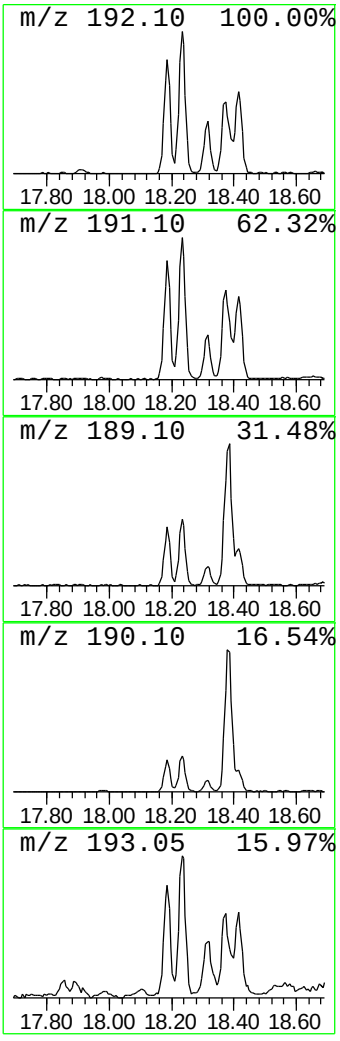
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.56 ng/ul	275352	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

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

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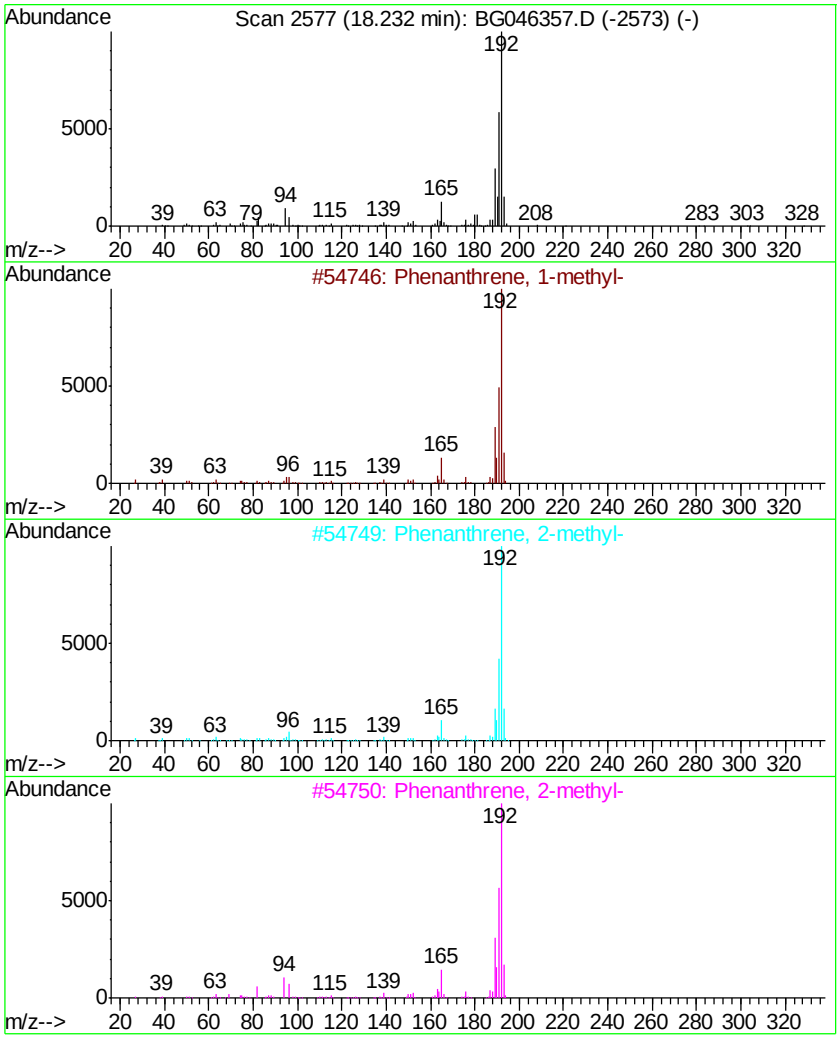
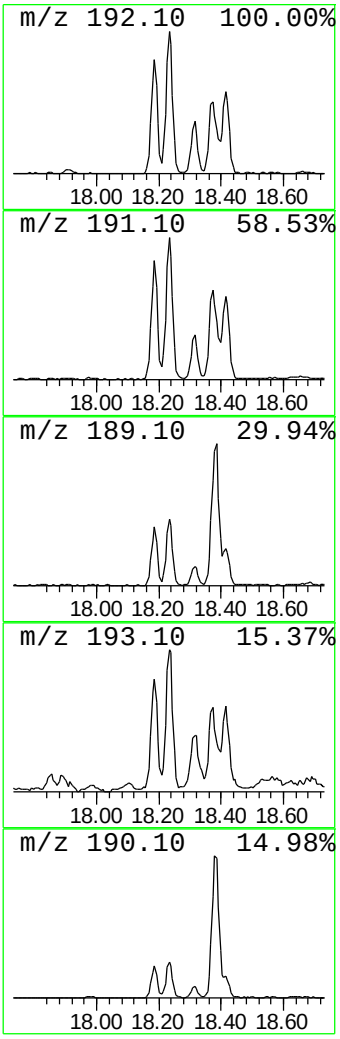
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	4.59 ng/ul	355095	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : SVOA CALIBRATION

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

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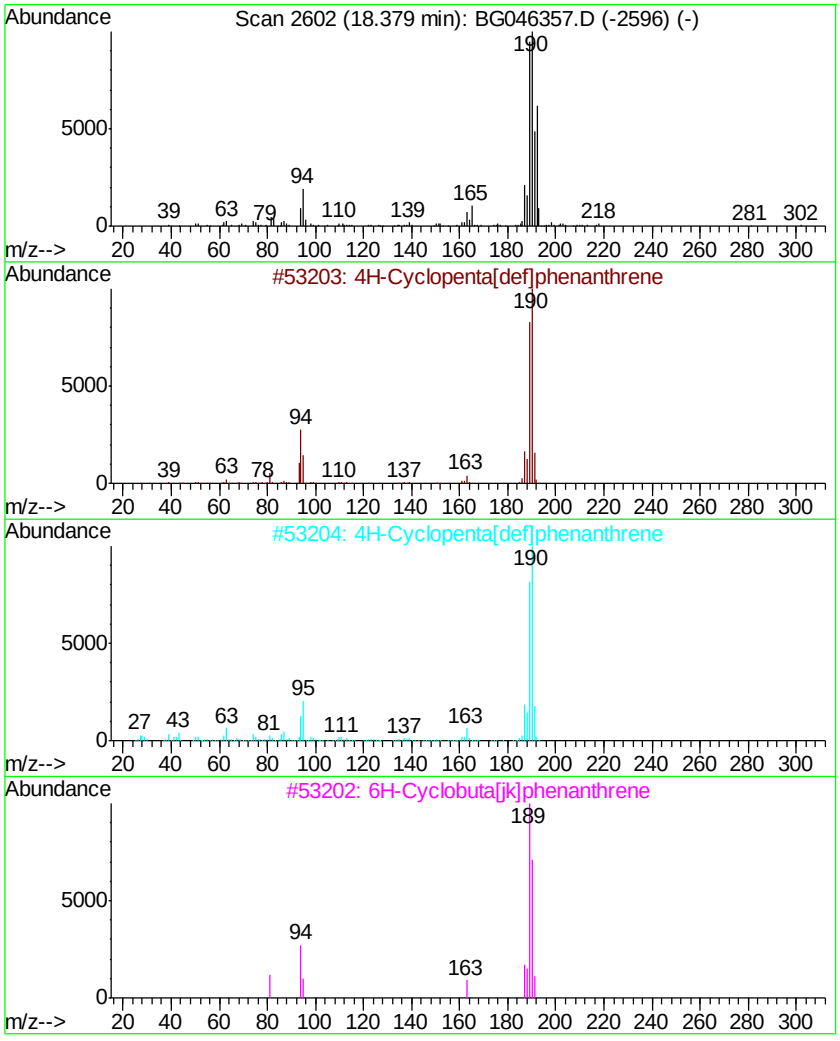
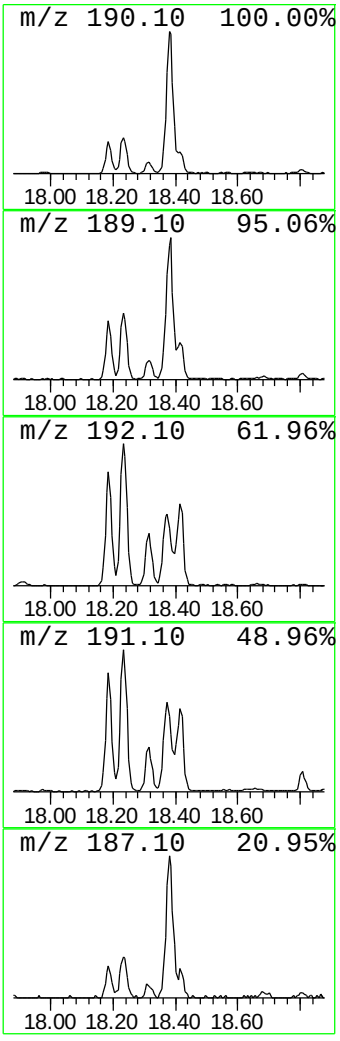
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	5.33 ng/ul	411932	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.58 ng/ul	199841	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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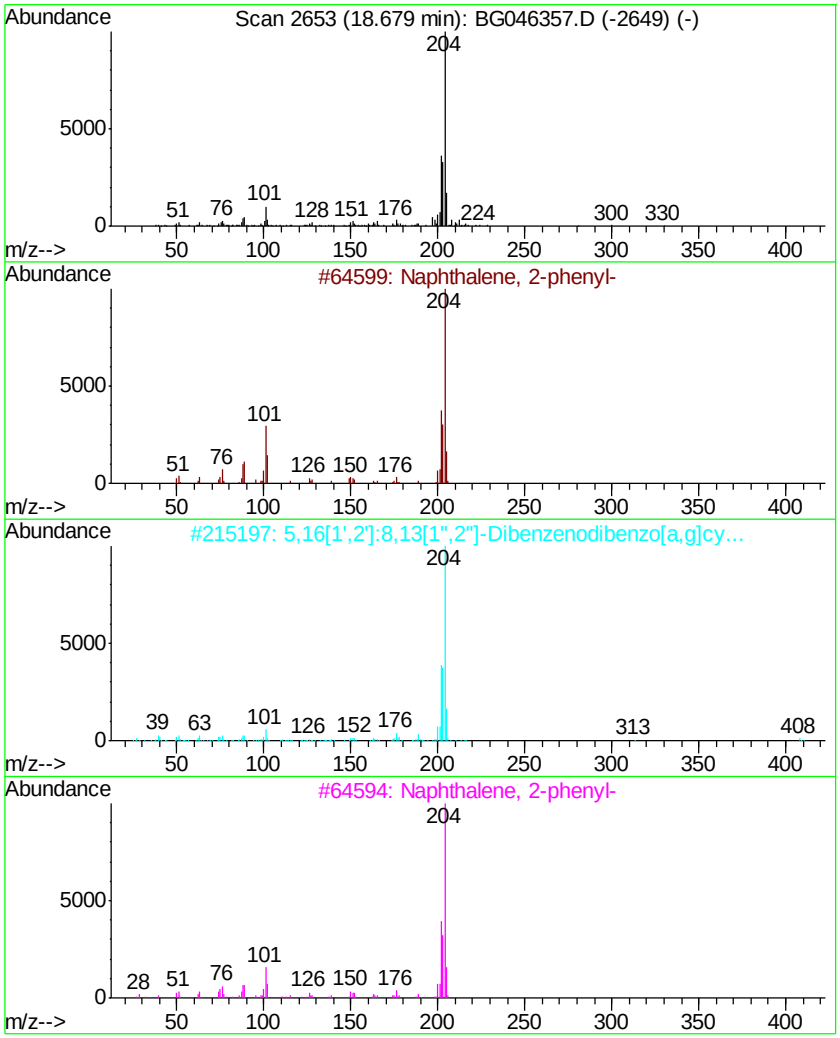
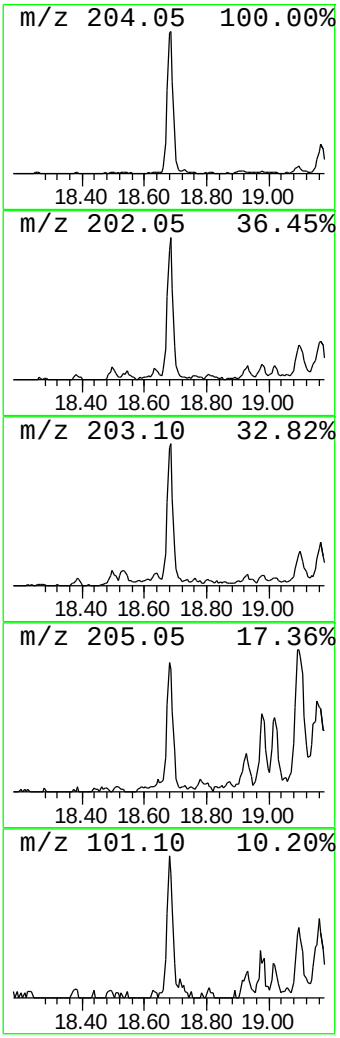
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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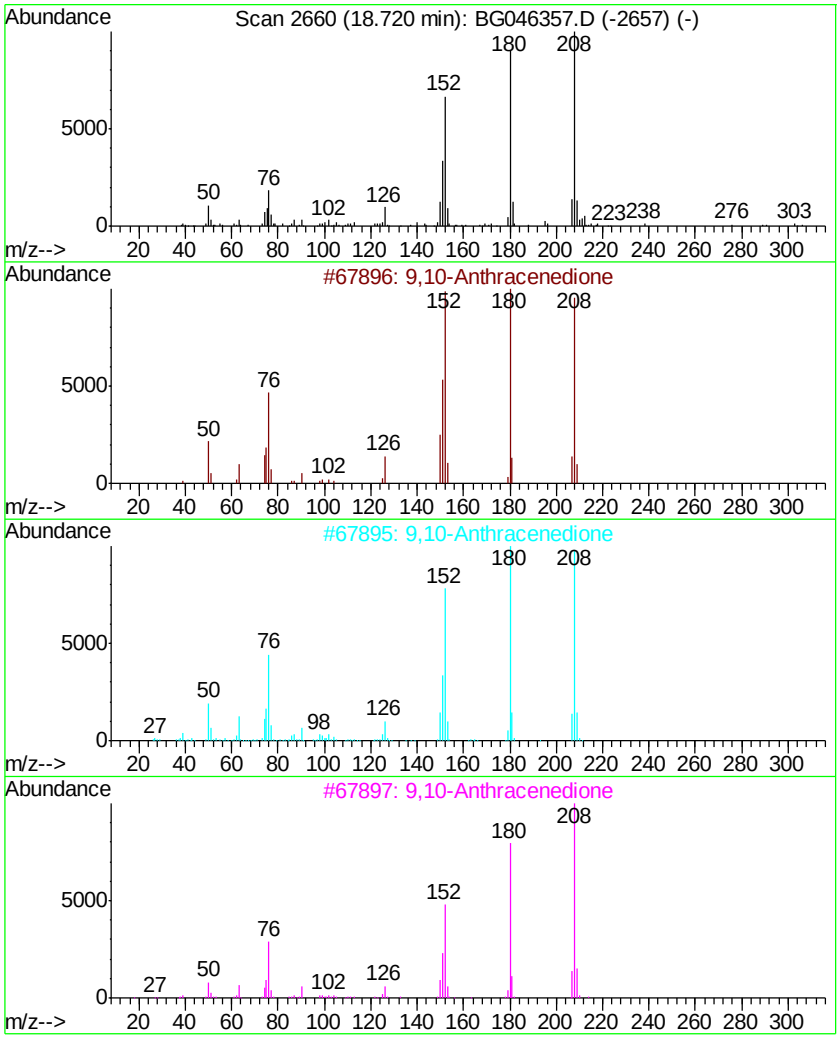
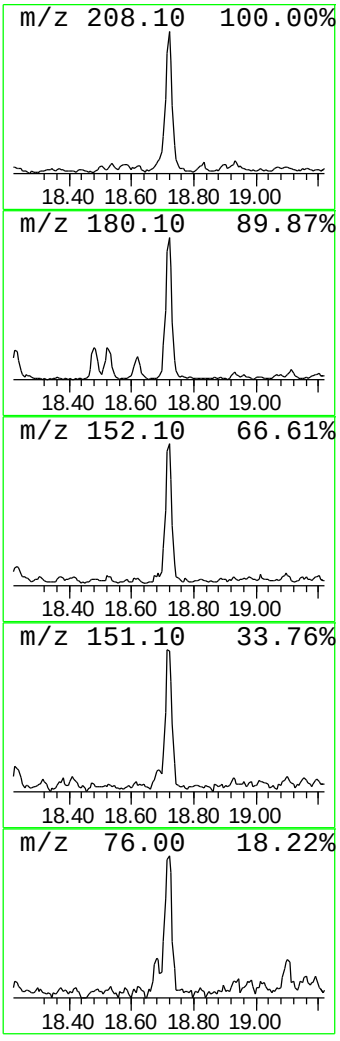
Peak Number 17 9,10-Anthracenedione Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.21 ng/ul	171005	Phenanthrene-d10	17.31

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	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Acq On : 19 Aug 2020 22:07
Operator : CG/JU
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

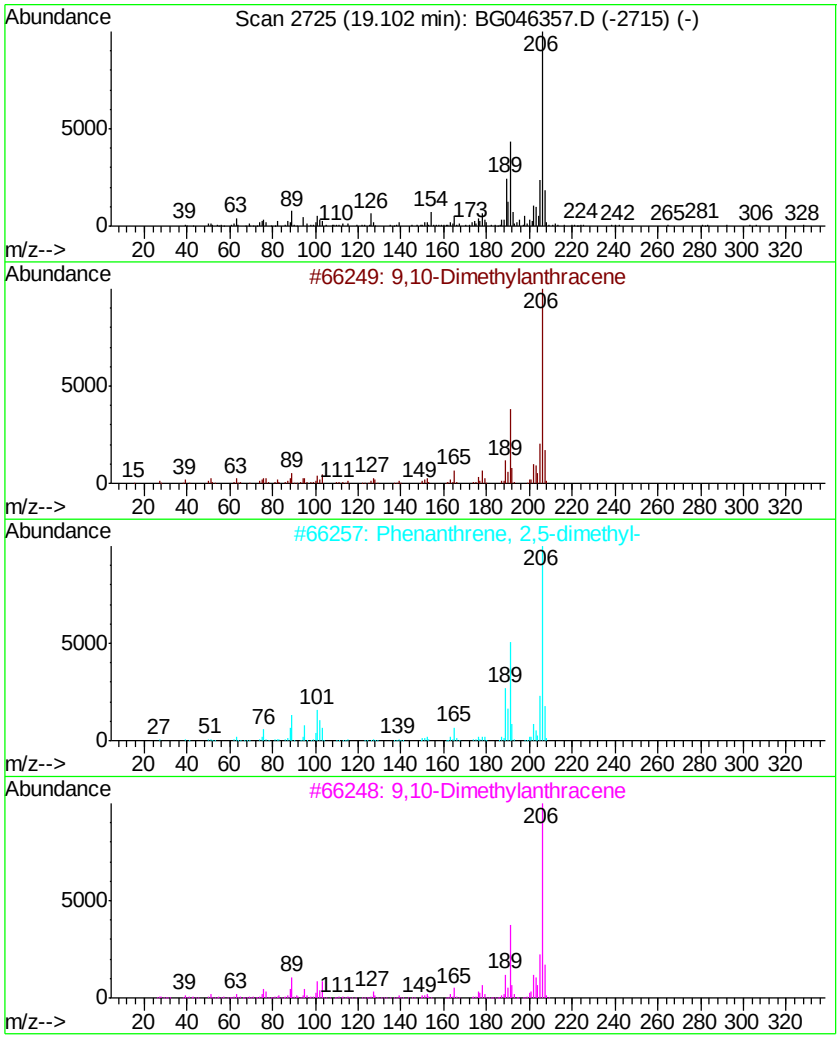
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

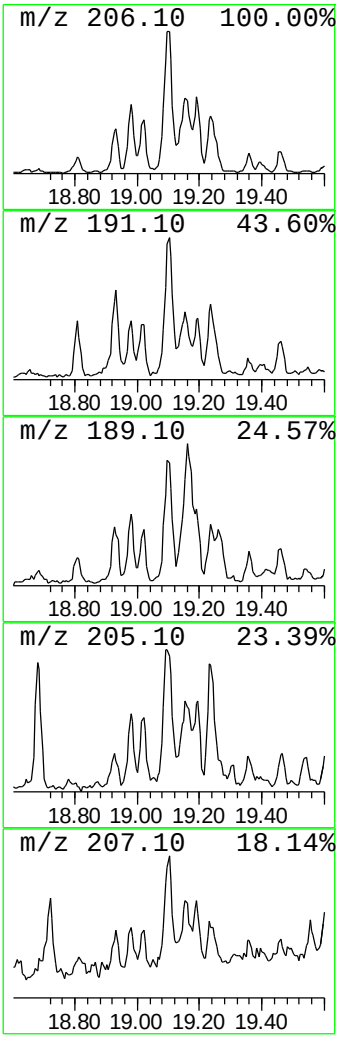
****

Peak Number 18 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.67 ng/ul	284108	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

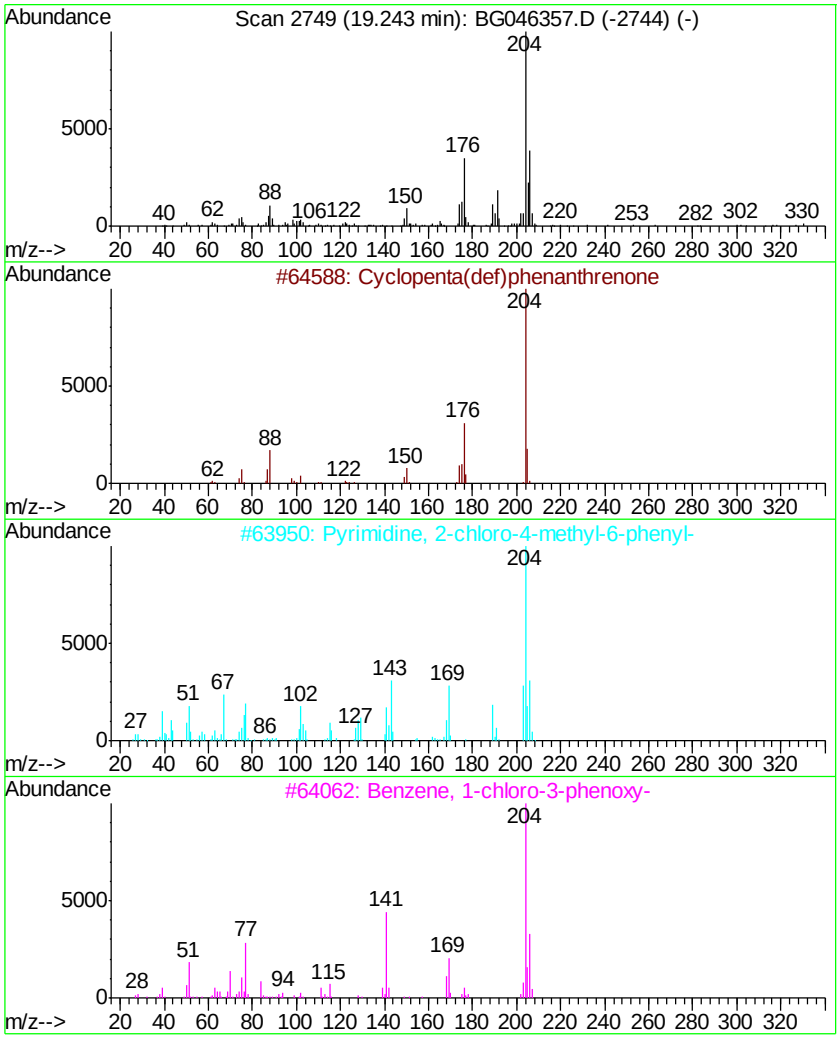
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

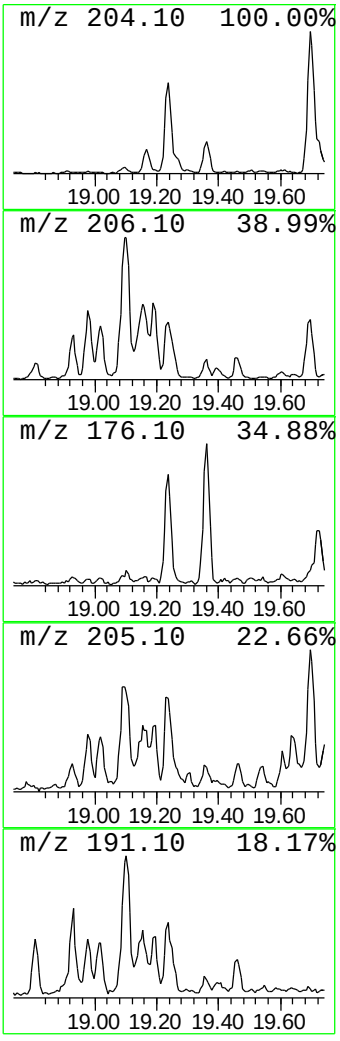
****

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.92 ng/ul	225977	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	9-Butyl-9-cyano-9,10-dihydroanth...	261	C19H19N	139642-81-2	43





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ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

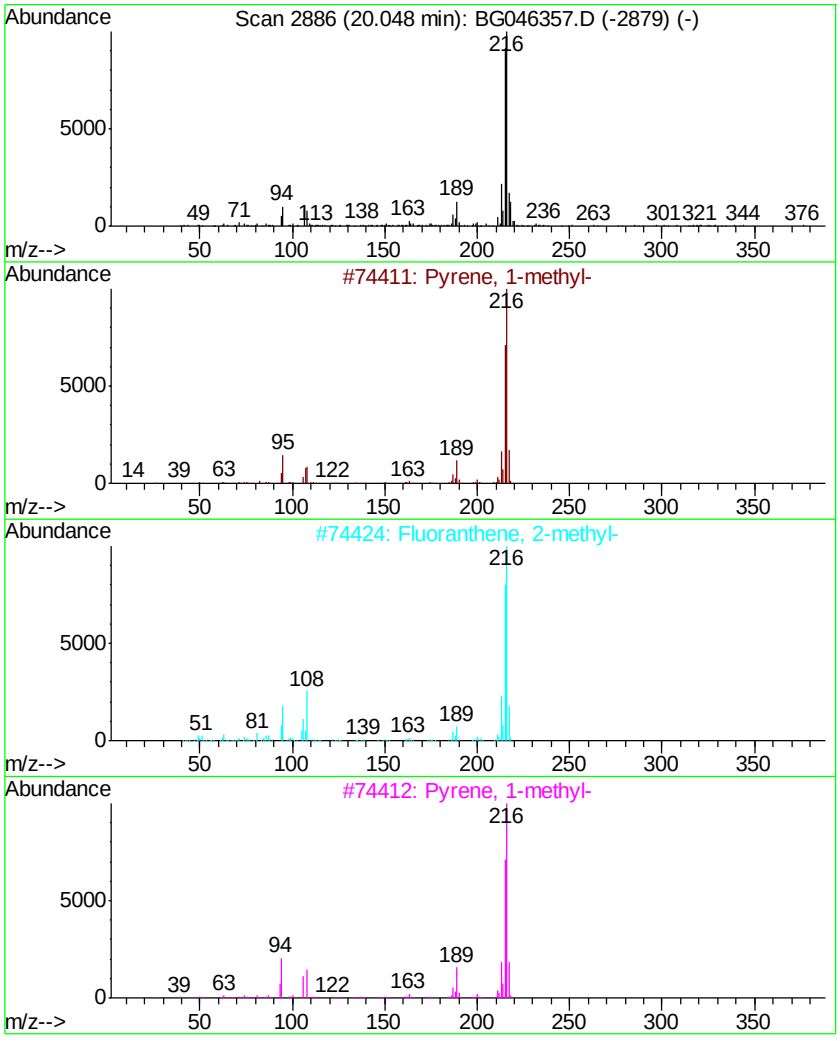
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

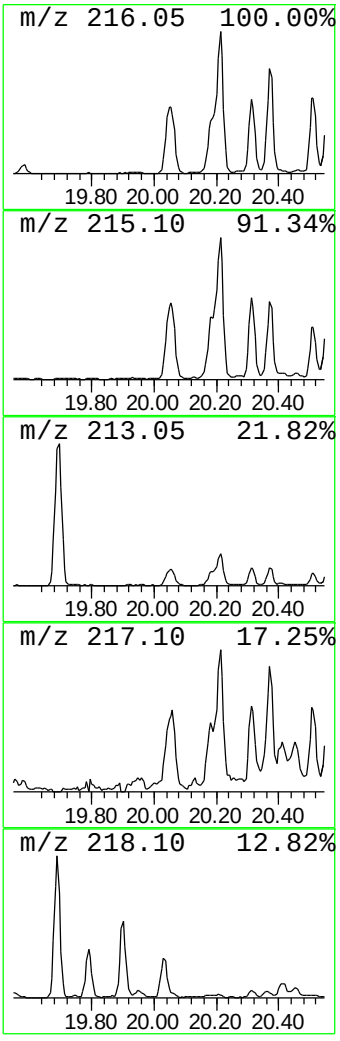
****

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.43 ng/ul	440813	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

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Operator : CG/JU
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

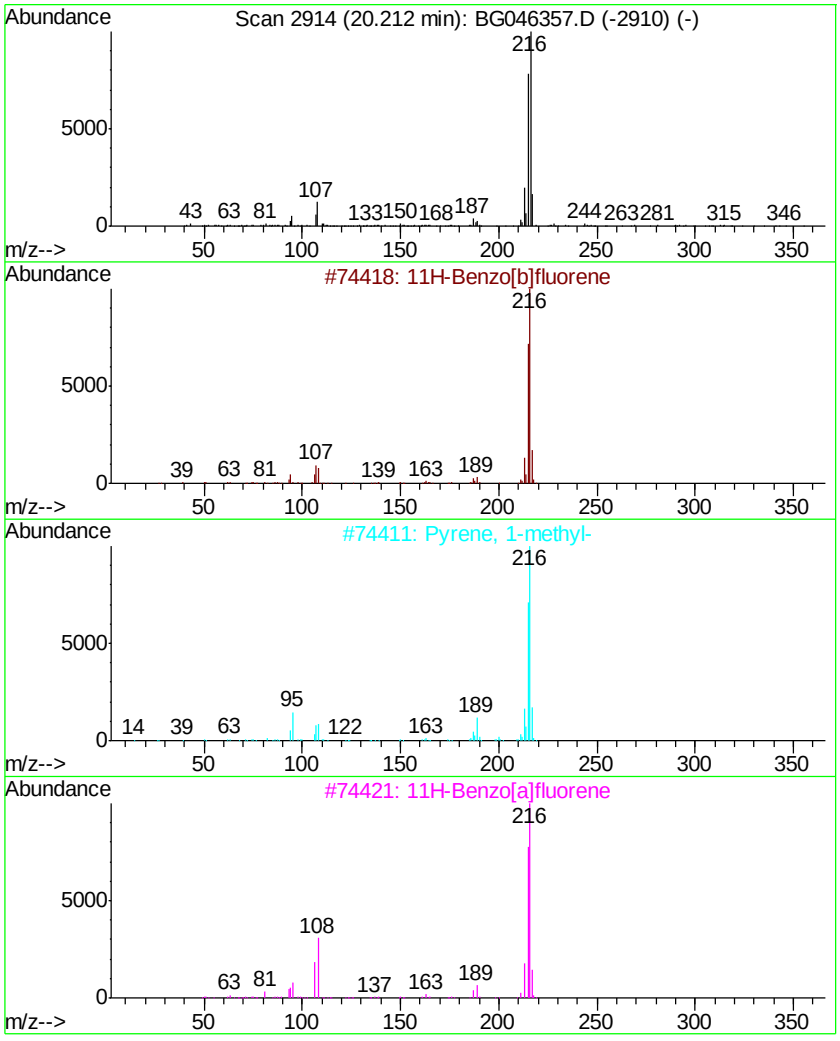
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

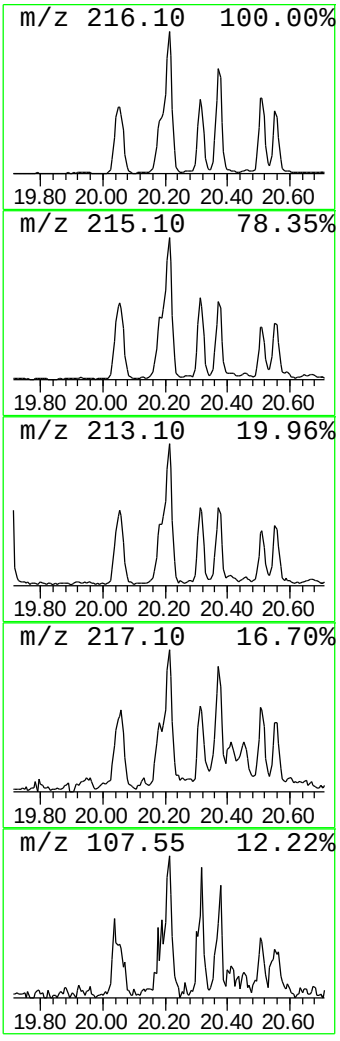
****

Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.17 ng/ul	393851	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Acq On : 19 Aug 2020 22:07
Operator : CG/JU
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : BFME0

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Quant Title : SVOA CALIBRATION

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

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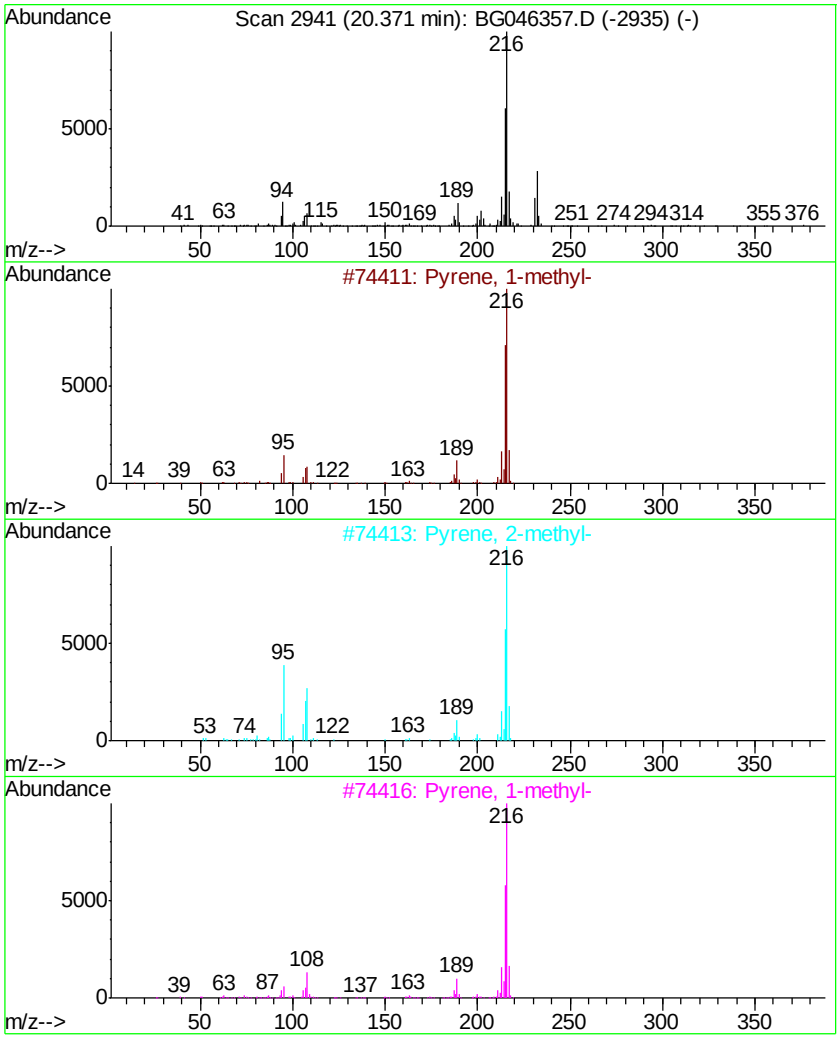
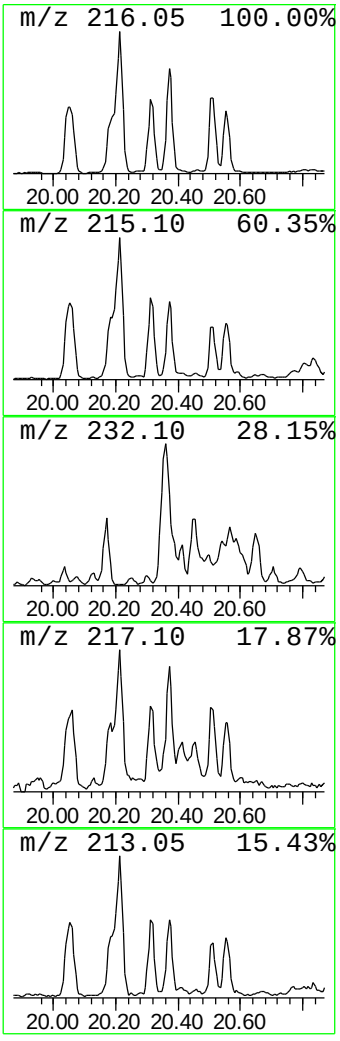
Peak Number 22 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.29 ng/ul	414696	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Acq On : 19 Aug 2020 22:07
Operator : CG/JU
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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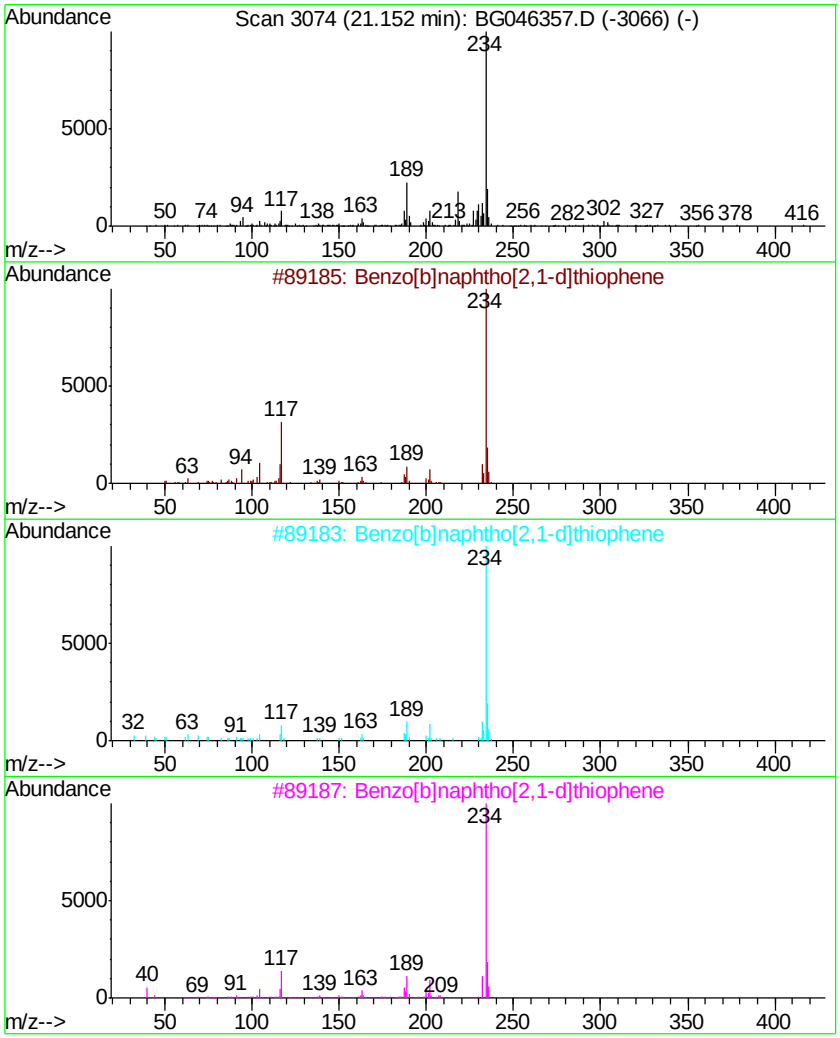
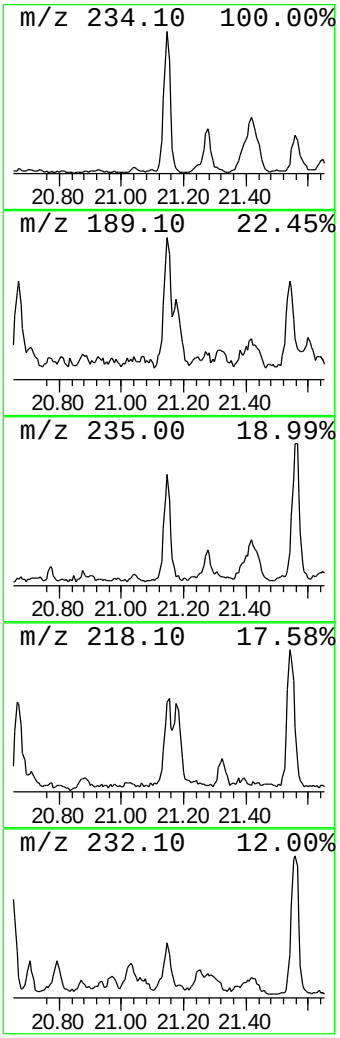
Peak Number 23 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	2.10 ng/ul	380277	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





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Operator : CG/JU
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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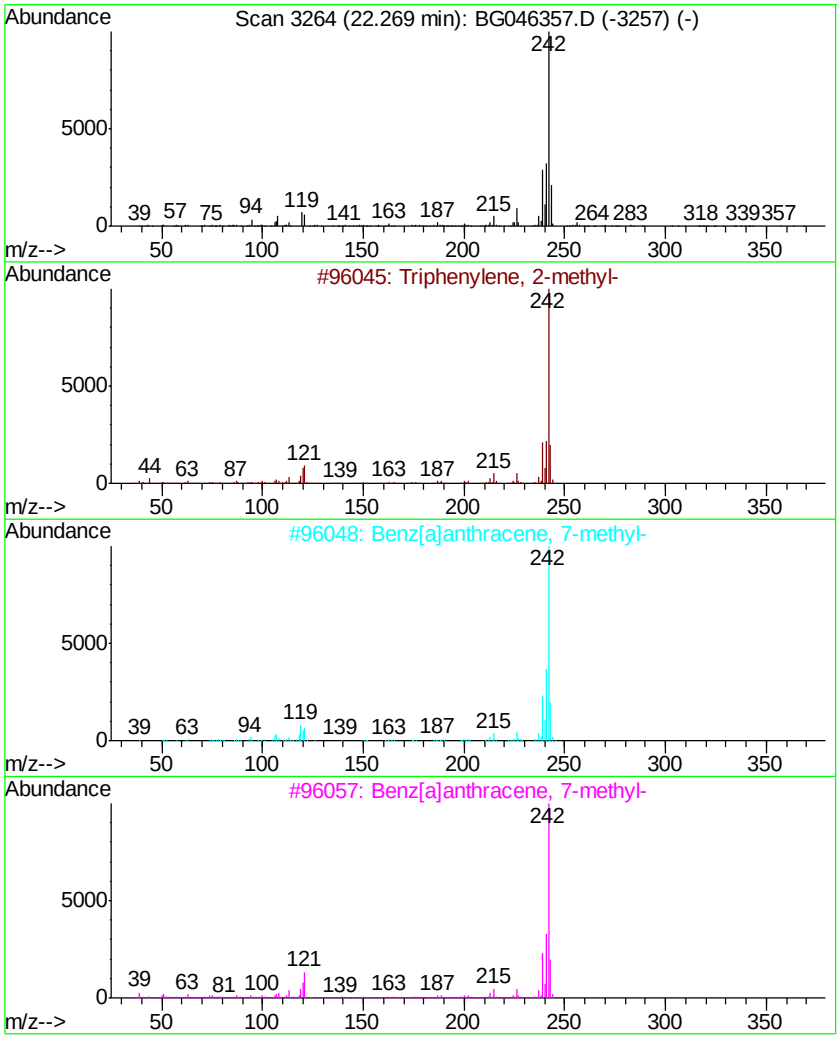
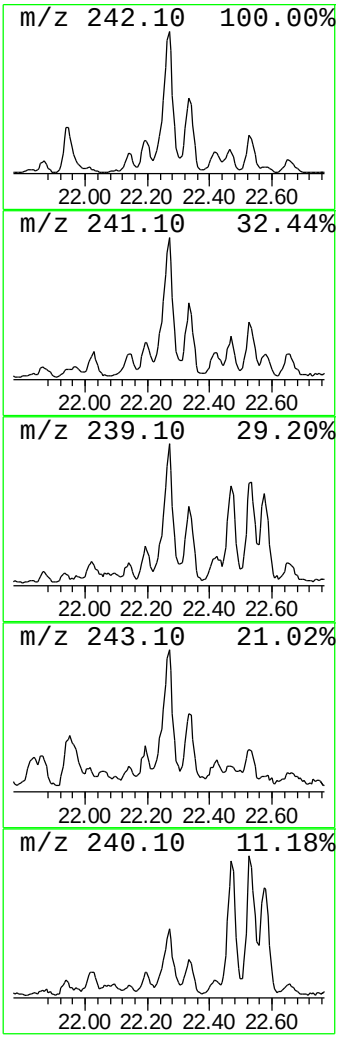
Peak Number 24 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.27	2.85 ng/ul	517587	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89





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Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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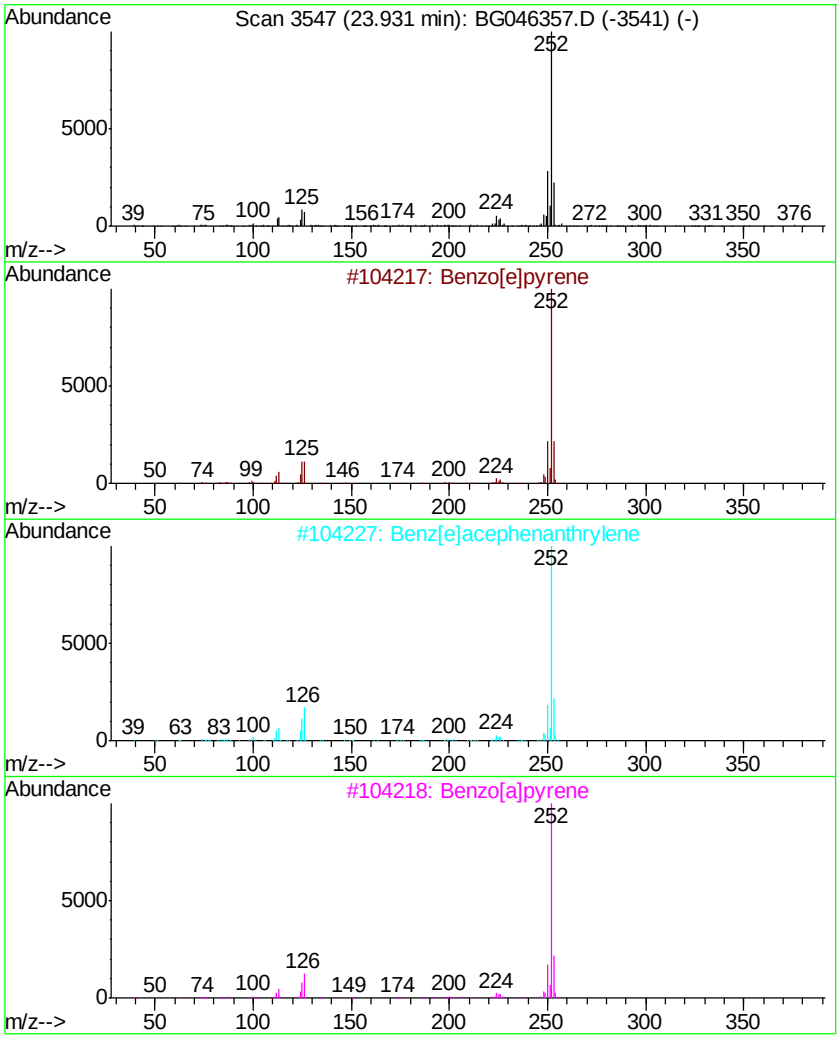
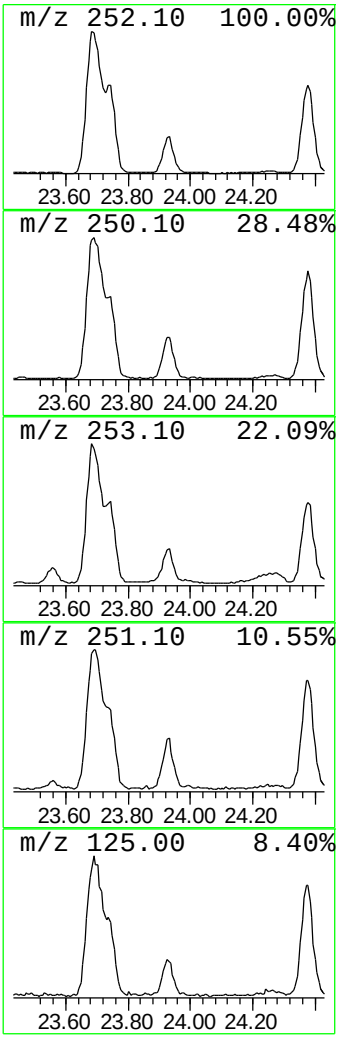
Peak Number 25 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	4.53 ng/ul	390258	Perylene-d12	24.67

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	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





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Sample : L3633-12
Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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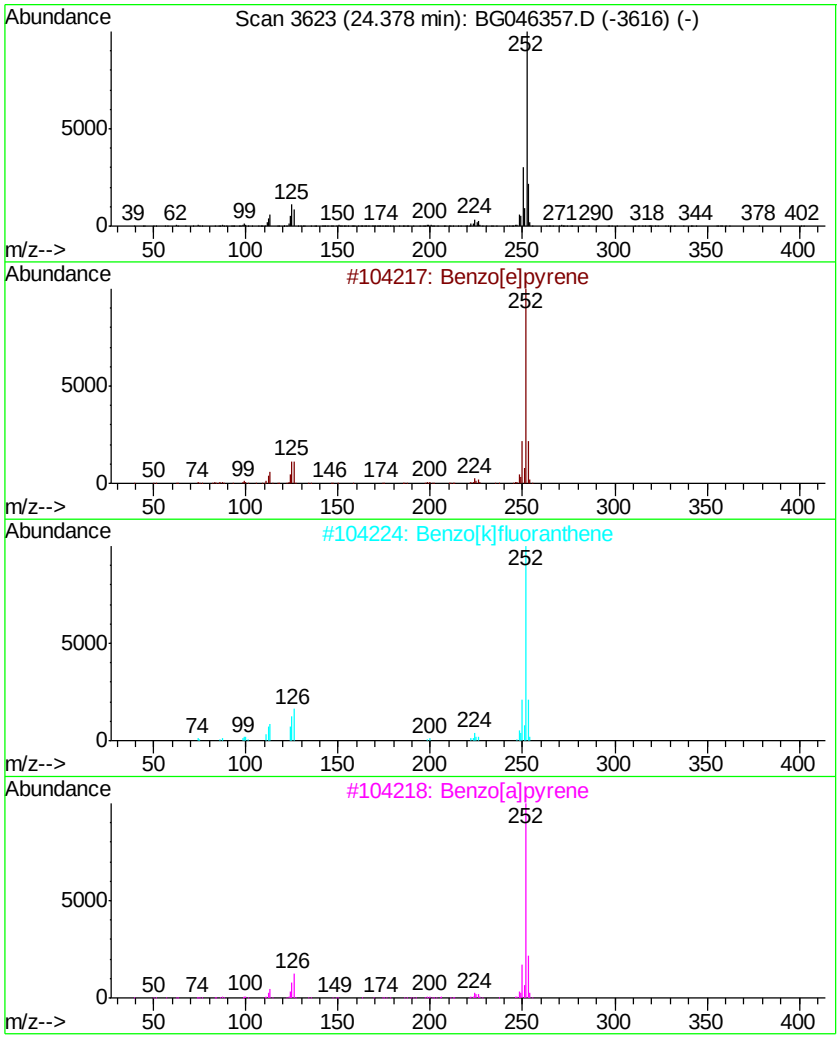
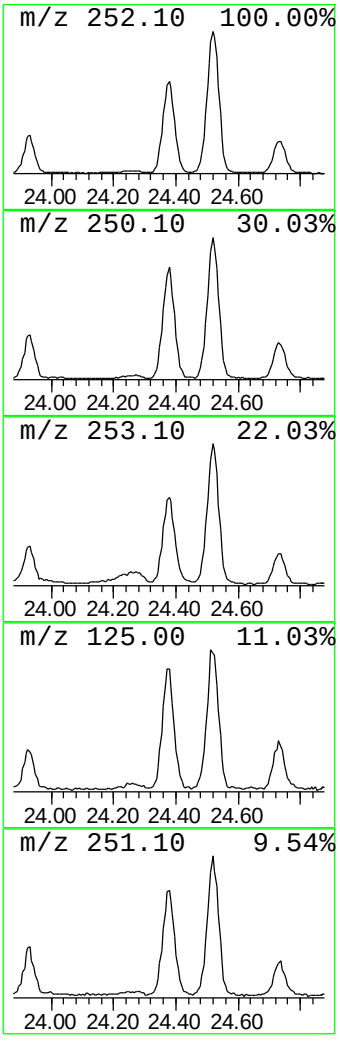
Peak Number 26 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	10.67 ng/ul	919409	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

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Data File : BG046357.D
Acq On : 19 Aug 2020 22:07
Operator : CG/JU
Sample : L3633-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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
Butane, 2-methoxy...	3.14	68.3	ng/ul	1878650	1	7.94	550048	20.0
4H-Imidazol-4-one...	7.10	16.2	ng/ul	446239	1	7.94	550048	20.0
unknown-01	7.26	13.1	ng/ul	359421	1	7.94	550048	20.0
unknown-02	7.47	17.0	ng/ul	468153	1	7.94	550048	20.0
unknown-03	8.64	19.9	ng/ul	547343	1	7.94	550048	20.0
1H-Imidazole, 4-m...	9.09	16.5	ng/ul	454490	1	7.94	550048	20.0
unknown-04	9.81	8.8	ng/ul	364137	2	10.74	829528	20.0
unknown-05	10.86	7.2	ng/ul	297504	2	10.74	829528	20.0
unknown-06	13.97	14.8	ng/ul	896541	3	14.57	1208020	20.0
Dimethyl phthalate	14.02	4.4	ng/ul	263549	3	14.57	1208020	20.0
unknown-07	14.76	2.5	ng/ul	150766	3	14.57	1208020	20.0
unknown-08	15.68	2.9	ng/ul	175662	3	14.57	1208020	20.0
Anthracene, 1-met...	18.19	3.6	ng/ul	275352	4	17.31	1546730	20.0
Phenanthrene, 1-m...	18.23	4.6	ng/ul	355095	4	17.31	1546730	20.0
4H-Cyclopenta[def...	18.38	5.3	ng/ul	411932	4	17.31	1546730	20.0
Naphthalene, 2-ph...	18.68	2.6	ng/ul	199841	4	17.31	1546730	20.0
9,10-Anthracenedione	18.72	2.2	ng/ul	171005	4	17.31	1546730	20.0
9,10-Dimethylanth...	19.10	3.7	ng/ul	284108	4	17.31	1546730	20.0
Cyclopenta(def)ph...	19.24	2.9	ng/ul	225977	4	17.31	1546730	20.0
Pyrene, 1-methyl-	20.05	2.4	ng/ul	440813	5	21.56	3627140	20.0
11H-Benzo[b]fluorene	20.21	2.2	ng/ul	393851	5	21.56	3627140	20.0
Pyrene, 2-methyl-	20.37	2.3	ng/ul	414696	5	21.56	3627140	20.0
Benzo[b]naphtho[2...	21.15	2.1	ng/ul	380277	5	21.56	3627140	20.0
Triphenylene, 2-m...	22.27	2.9	ng/ul	517587	5	21.56	3627140	20.0
Benzo[e]pyrene	23.93	4.5	ng/ul	390258	6	24.67	1723220	20.0
Perylene	24.38	10.7	ng/ul	919409	6	24.67	1723220	20.0