LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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	3.142	4	9	27	rVB	1622839	2549653	72.00%	4.575%
2	3.918	136	141	149	rVV	41474	64578	1.82%	0.116%
3	7.114	676	685	696	rBV	214661	402574	11.37%	0.722%
4	7.267	703	711	722	rBV	184628	310475	8.77%	0.557%
5	7.478	739	747	761	rBV	228612	411246	11.61%	0.738%
6	7.943	818	826	835	rBV	292620	495888	14.00%	0.890%
7	8.648	938	946	958	rBV	289681	519868	14.68%	0.933%
8	9.094	1014	1022	1035	rBV	227376	404677	11.43%	0.726%
9	9.817	1138	1145	1160	rBV	189582	337143	9.52%	0.605%
10	10.363	1231	1238	1249	rBV	306224	560973	15.84%	1.007%
11	10.739	1294	1302	1309	rBV	430261	769740	21.74%	1.381%
12	10.869	1316	1324	1338	rBV	216283	424898	12.00%	0.762%
13	13.971	1844	1852	1857	rBV	613141	907981	25.64%	1.629%
14	14.018	1857	1860	1867	rVB	72328	96929	2.74%	0.174%
15	14.259	1894	1901	1913	rBV	680148	1089357	30.76%	1.955%
16	14.570	1947	1954	1960	rBV2	735195	1130132	31.92%	2.028%
17	14.635	1960	1965	1972	rVB	73536	115295	3.26%	0.207%
18	14.770	1982	1988	1999	rBV	134804	262173	7.40%	0.470%
19	15.563	2116	2123	2129	rBV	947144	1436798	40.58%	2.578%
20	15.616	2129	2132	2138	rVV2	43481	60400	1.71%	0.108%
21	15.681	2138	2143	2151	rVV	136611	237680	6.71%	0.426%
22	15.739	2151	2153	2157	rVV	31028	45477	1.28%	0.082%
23	15.780	2157	2160	2165	rVV3	38738	69158	1.95%	0.124%
24	16.057	2201	2207	2216	rVV2	24430	56169	1.59%	0.101%
25	16.621	2291	2303	2307	rBV7	27197	71910	2.03%	0.129%
26	16.891	2345	2349	2352	rVV3	34423	55245	1.56%	0.099%
27	16.961	2356	2361	2369	rVB4	27910	66350	1.87%	0.119%
28	17.050	2370	2376	2381	rBV2	36860	71235	2.01%	0.128%
29	17.314	2415	2421	2425	rBV	871726	1386126	39.15%	2.487%
30	17.355	2425	2428	2432	rVV	415941	571700	16.15%	1.026%
31	17.414	2432	2438	2441	rVV	947230	1467246	41.44%	2.633%
32	17.443	2441	2443	2448	rVB	211979	267544	7.56%	0.480%
33	17.502	2448	2453	2458	rBV2	62677	98924	2.79%	0.178%
34	17.714	2479	2489	2493	rBV2	86157	193305	5.46%	0.347%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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	17.890	2514	2519	2523	rBV5	35260	52878	1.49%	0.095%
36	17.966	2527	2532	2538	rVB4	28395	44778	1.26%	0.080%
37	18.189	2560	2570	2574	rBV	227295	406674	11.48%	0.730%
38	18.236	2574	2578	2586	rVB	341083	521970	14.74%	0.937%
39	18.319	2586	2592	2597	rBV	252590	401518	11.34%	0.720%
40	18.383	2597	2603	2607	rBV3	275121	600496	16.96%	1.078%
41	18.419	2607	2609	2615	rVB	179010	215884	6.10%	0.387%
42	18.483	2616	2620	2624	rVB3	47311	74727	2.11%	0.134%
43	18.530	2624	2628	2632	rBV3	49931	68336	1.93%	0.123%
44	18.618	2640	2643	2649	rVB3	49321	76498	2.16%	0.137%
45	18.683	2649	2654	2658	rBV2	118185	165749	4.68%	0.297%
46	18.812	2672	2676	2682	rVB	53413	82397	2.33%	0.148%
47	18.930	2692	2696	2700	rBV	105735	137254	3.88%	0.246%
48	18.983	2702	2705	2708	rBV	60718	58858	1.66%	0.106%
49	19.018	2708	2711	2715	rVB3	103811	130166	3.68%	0.234%
50	19.100	2716	2725	2730	rBV2	264778	579146	16.36%	1.039%
51	19.171	2732	2737	2739	rBV2	147462	216290	6.11%	0.388%
52	19.241	2745	2749	2758	rVB3	164849	336371	9.50%	0.604%
53	19.365	2764	2770	2774	rBV	944547	1269560	35.85%	2.278%
54	19.464	2783	2787	2791	rVB3	112769	139557	3.94%	0.250%
55	19.511	2791	2795	2799	rVB2	127137	160794	4.54%	0.289%
56	19.558	2799	2803	2806	rBV4	47523	79223	2.24%	0.142%
57	19.611	2809	2812	2814	rBV3	37220	44996	1.27%	0.081%
58	19.641	2814	2817	2820	rVV3	43005	64479	1.82%	0.116%
59	19.699	2820	2827	2830	rVV3	1589050	2669591	75.39%	4.790%
60	19.729	2830	2832	2840	rVB	879391	1220912	34.48%	2.191%
61	19.799	2840	2844	2851	rVB3	234001	453122	12.80%	0.813%
62	19.870	2851	2856	2857	rBV5	46953	70650	2.00%	0.127%
63	19.905	2857	2862	2868	rVB2	132121	239287	6.76%	0.429%
64	19.964	2868	2872	2877	rVB2	136947	212030	5.99%	0.380%
65	20.052	2880	2887	2898	rBV4	264955	808176	22.82%	1.450%
66	20.187	2898	2910	2911	rBV6	209564	493934	13.95%	0.886%
67	20.216	2911	2915	2920	rVB	629474	907847	25.64%	1.629%
68	20.263	2920	2923	2926	rBV3	51830	71848	2.03%	0.129%
69	20.316	2928	2932	2936	rBV	448208	597828	16.88%	1.073%
70	20.375	2936	2942	2946	rVV2	476662	859000	24.26%	1.541%
71	20.416	2946	2949	2953	rVV	134268	181527	5.13%	0.326%

LSC Area Percent Report

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Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

72	20.457	2953	2956	2961	rVB2	151042	203042	5.73%	0.364%
73	20.516	2962	2966	2970	rBV	230170	311330	8.79%	0.559%
74	20.563	2970	2974	2978	rVB2	235094	323254	9.13%	0.580%
75	20.769	3006	3009	3012	rBV2	119519	161648	4.57%	0.290%
76	20.810	3012	3016	3019	rBV4	200004	304399	8.60%	0.546%
77	20.933	3033	3037	3041	rBV3	171602	336335	9.50%	0.604%
78	20.980	3041	3045	3050	rVB2	302723	521914	14.74%	0.937%
79	21.157	3067	3075	3078	rBV5	243113	592326	16.73%	1.063%
80	21.192	3078	3081	3084	rVV2	251607	355876	10.05%	0.639%
81	21.227	3084	3087	3095	rVB5	278257	631884	17.84%	1.134%
82	21.550	3136	3142	3148	rBV3	1515976	3540968	100.00%	6.354%
83	21.609	3148	3152	3164	rVB	942898	1695174	47.87%	3.042%
84	21.762	3173	3178	3187	rBV4	204929	515715	14.56%	0.925%
85	21.961	3206	3212	3219	rBV3	203576	526256	14.86%	0.944%
86	22.149	3240	3244	3249	rBV4	115822	207299	5.85%	0.372%
87	22.202	3250	3253	3257	rVV3	150856	235381	6.65%	0.422%
88	22.279	3258	3266	3271	rVV	639614	1385357	39.12%	2.486%
89	22.343	3273	3277	3285	rVB	315007	577776	16.32%	1.037%
90	22.479	3296	3300	3305	rVB2	181521	293181	8.28%	0.526%
91	22.537	3306	3310	3315	rBV	218829	380814	10.75%	0.683%
92	22.672	3328	3333	3347	rVB5	197217	542773	15.33%	0.974%
93	23.107	3402	3407	3411	rBV2	101588	195278	5.51%	0.350%
94	23.701	3500	3508	3515	rBV	725267	2313773	65.34%	4.152%
95	23.947	3544	3550	3561	rVB	254365	577399	16.31%	1.036%
96	24.400	3620	3627	3633	rBV2	337900	897382	25.34%	1.610%
97	24.470	3633	3639	3644	rVV	465637	1128180	31.86%	2.024%
98	24.541	3645	3651	3663	rVB	782289	2066474	58.36%	3.708%
99	24.682	3667	3675	3682	rBV2	519355	1460347	41.24%	2.620%
100	28.213	4265	4276	4300	rVB3	319985	1724377	48.70%	3.094%

Sum of corrected areas: 55729110

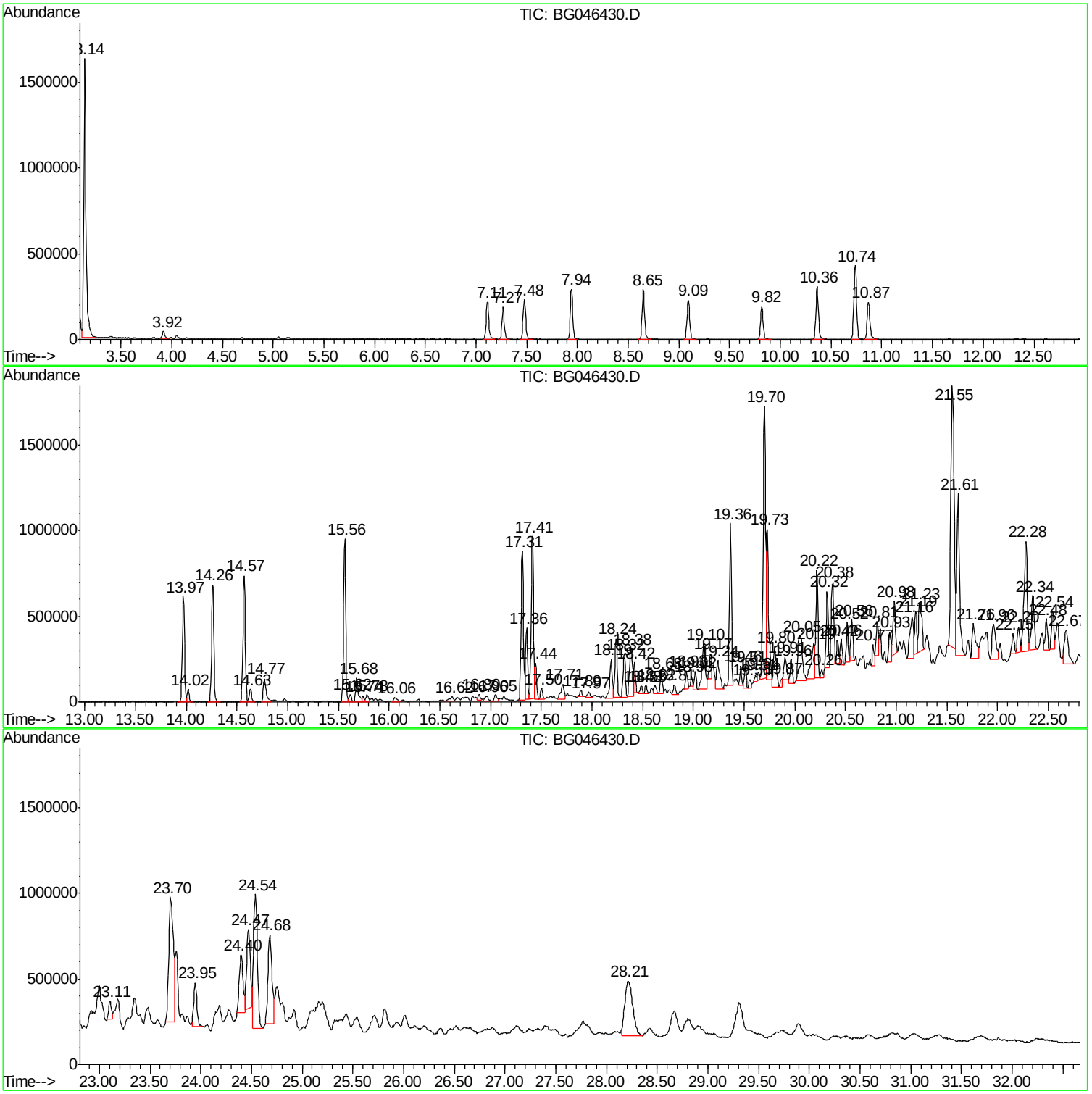
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

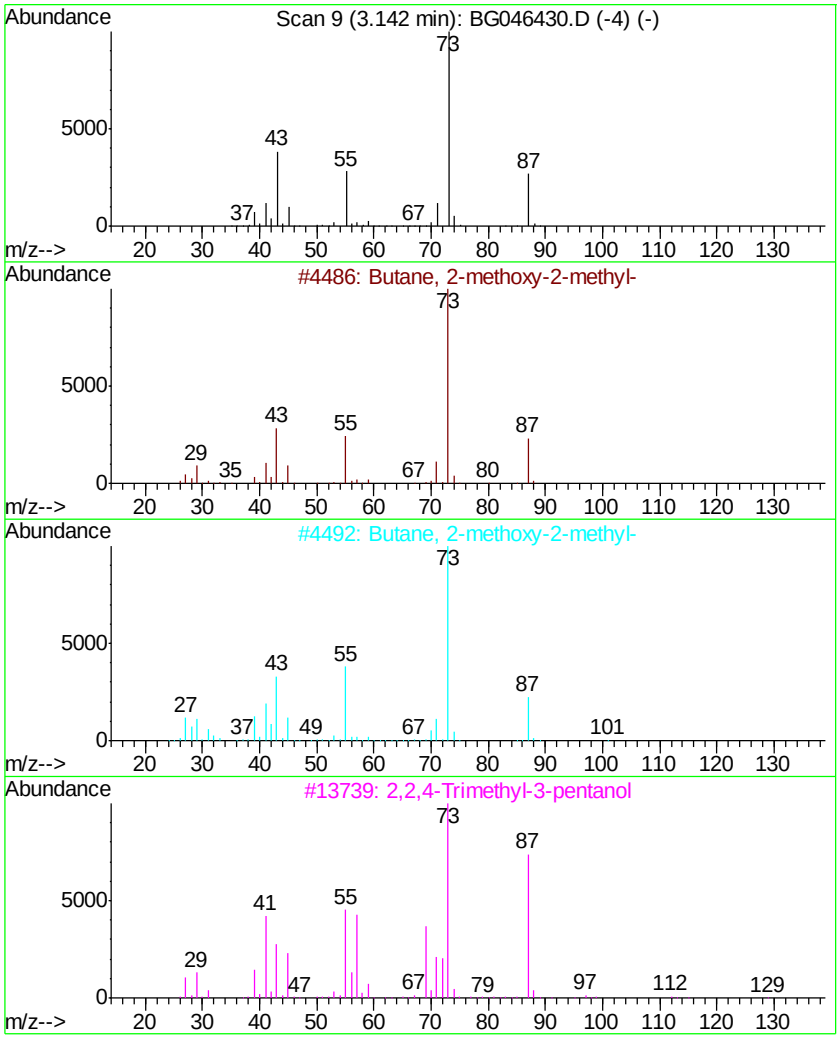
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

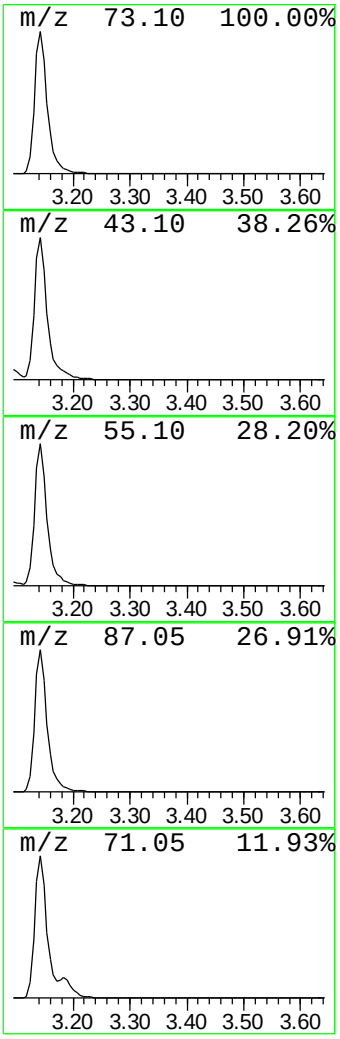
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	102.83 ng/ul	2549650	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	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046430.D
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Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

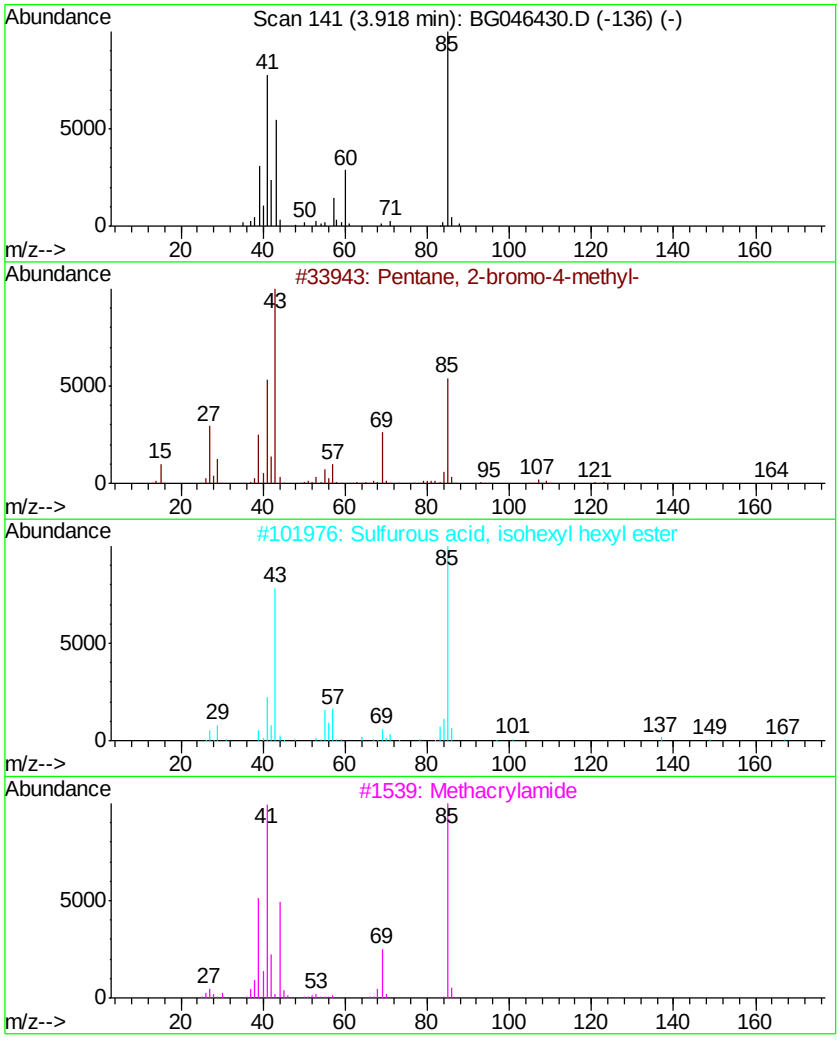
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

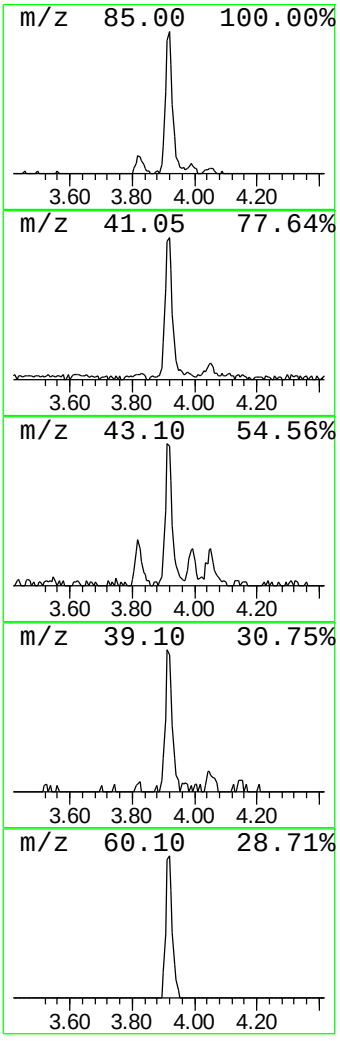
****

Peak Number 2 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	2.60 ng/ul	64578	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	39
2	Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	38
3	Methacrylamide	85	C4H7NO	000079-39-0	38
4	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	33
5	Hexane, 3-bromo-	164	C6H13Br	003377-87-5	28





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BFMX5

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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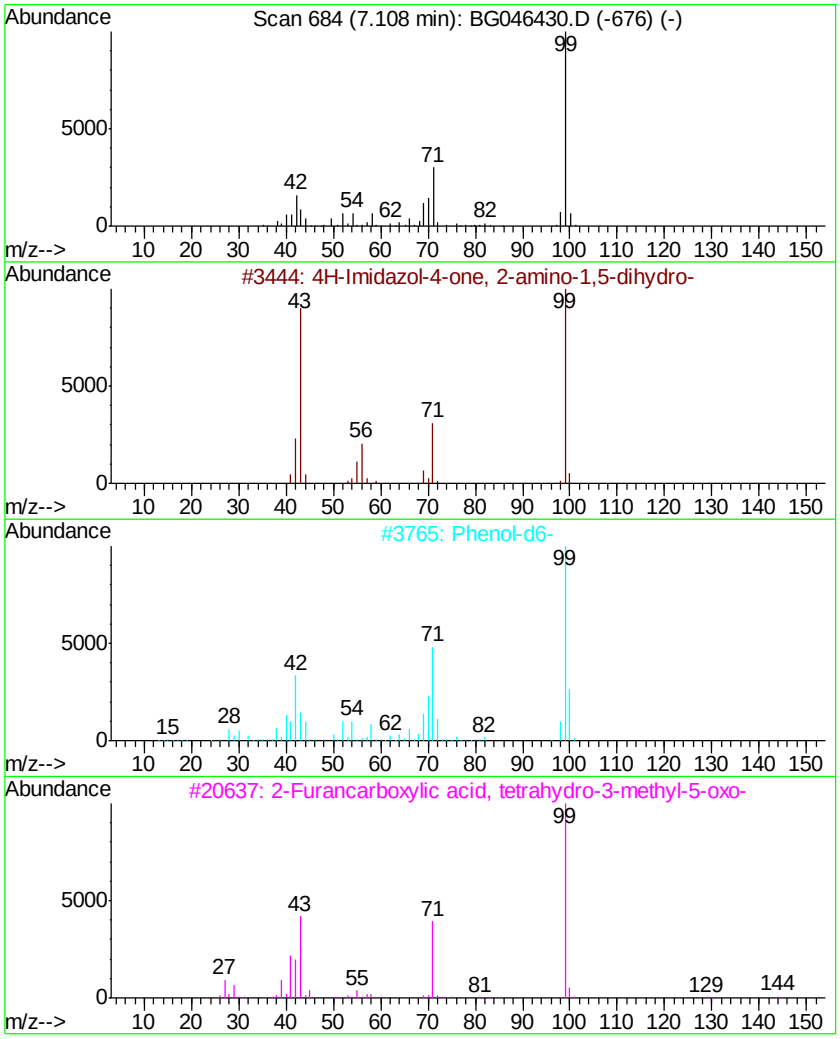
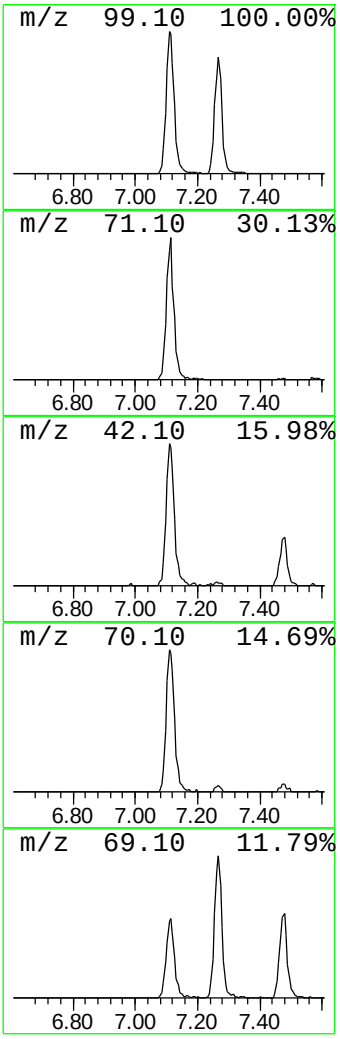
Peak Number 3 4H-Imidazol-4-one, 2-amino-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	16.24 ng/ul	402574	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	72
2	Phenol-d6-	100	C6D6O	013127-88-3	50
3	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	45
4	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	45
5	Succinimide	99	C4H5NO2	000123-56-8	40





Library Search Compound Report

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Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

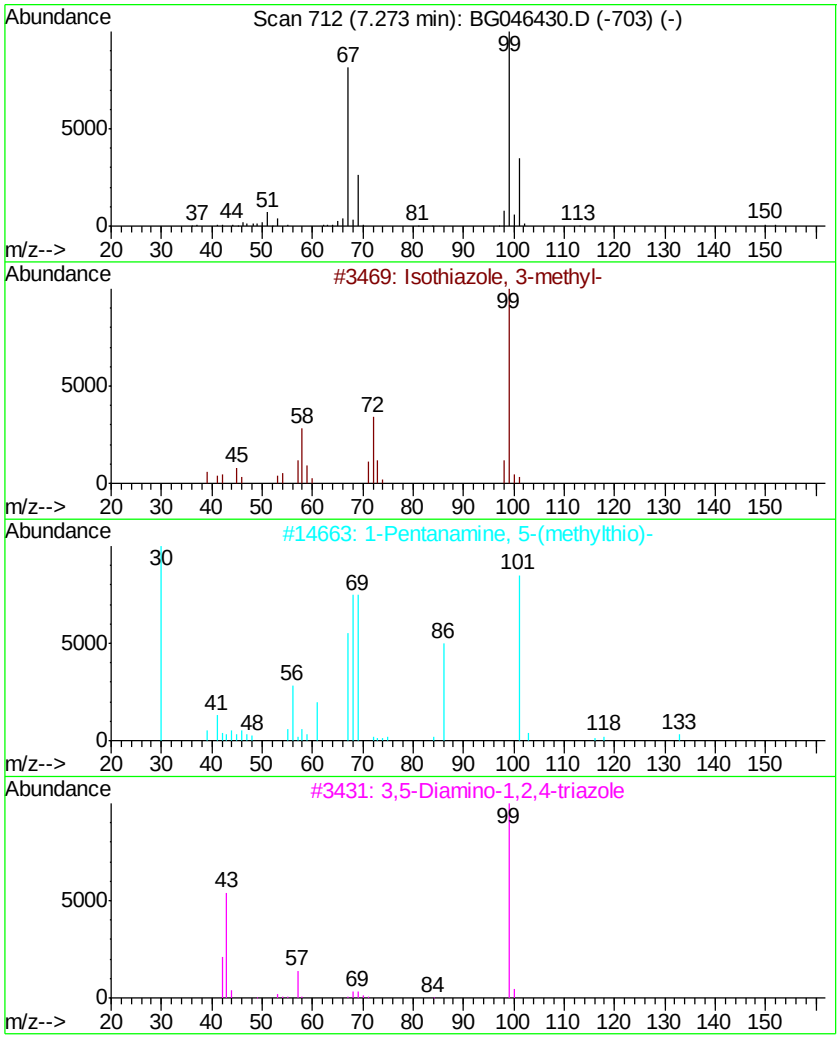
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

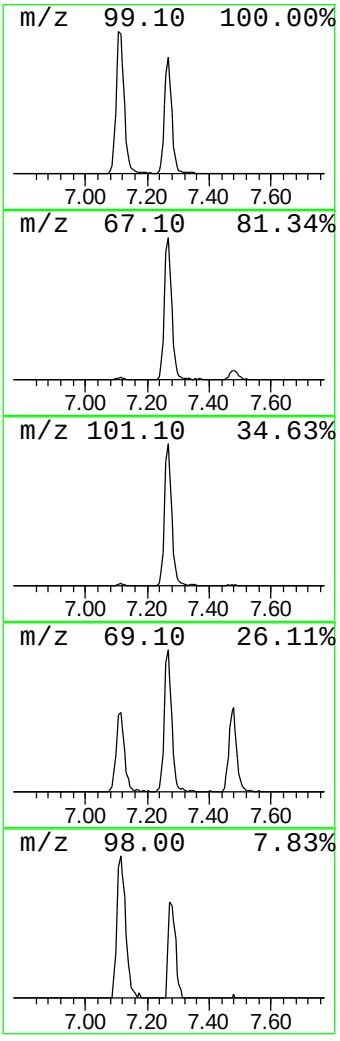
****

Peak Number 4 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	12.52 ng/ul	310475	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
2	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7
4	Succinimide	99	C4H5NO2	000123-56-8	5
5	Succinimide	99	C4H5NO2	000123-56-8	4





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

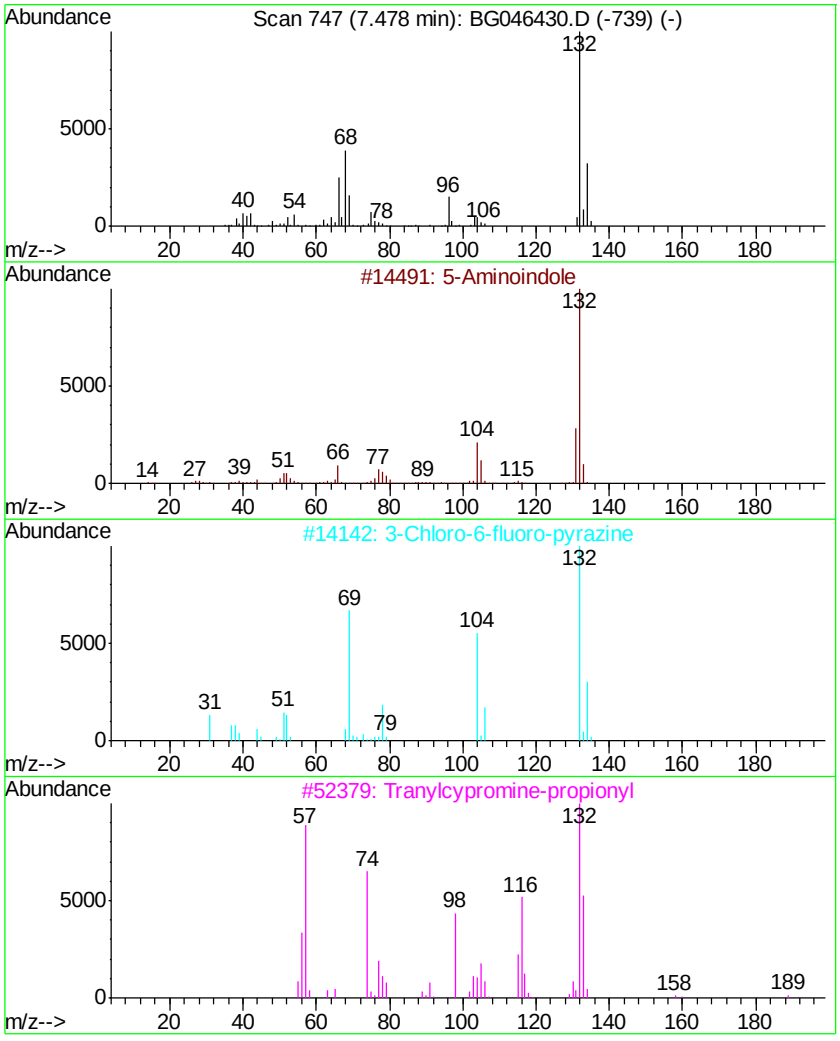
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

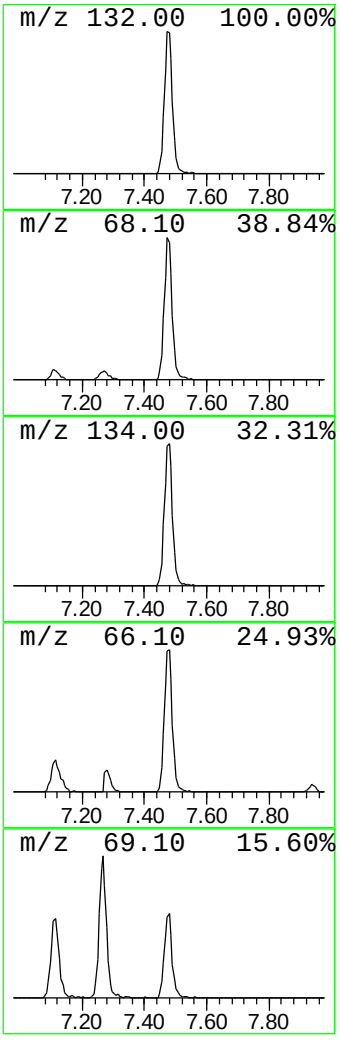
****

Peak Number 5 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	16.59 ng/ul	411246	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	22
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	1-Isoquinolinemethanol, .alpha.-...	191	C12H17NO	114608-92-3	10





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Operator : CG/JU
Sample : L3649-08
Misc :
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Instrument : BNA_G
ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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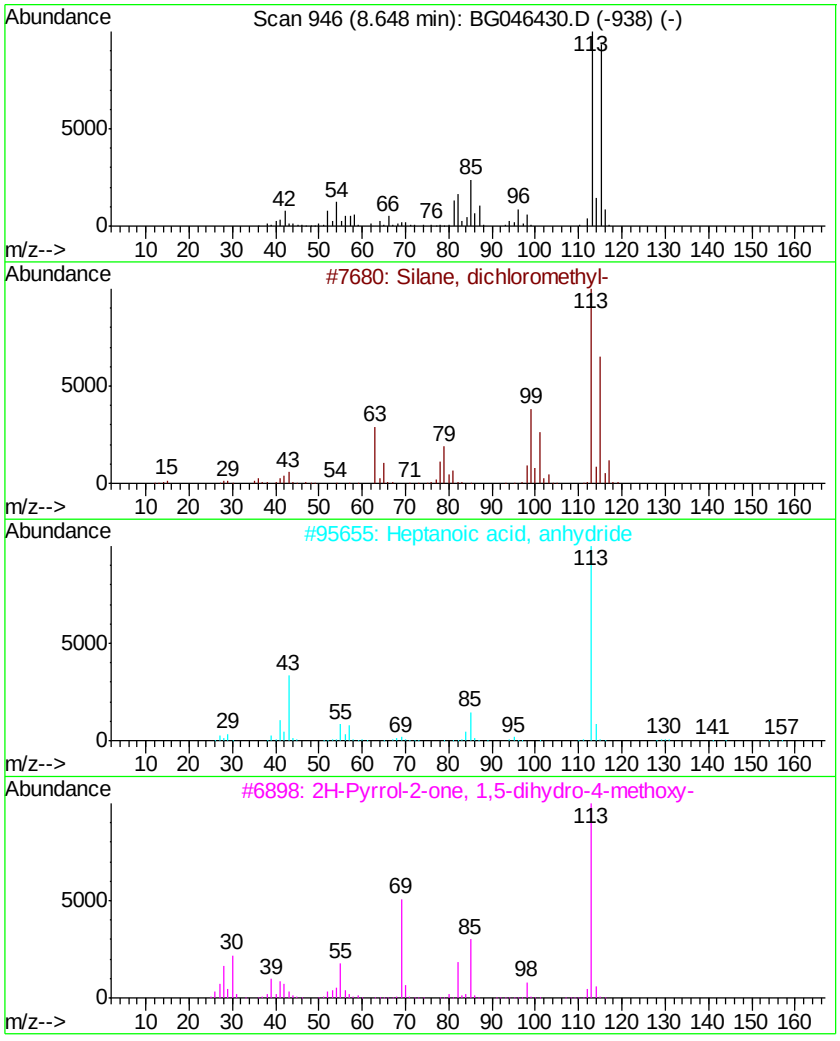
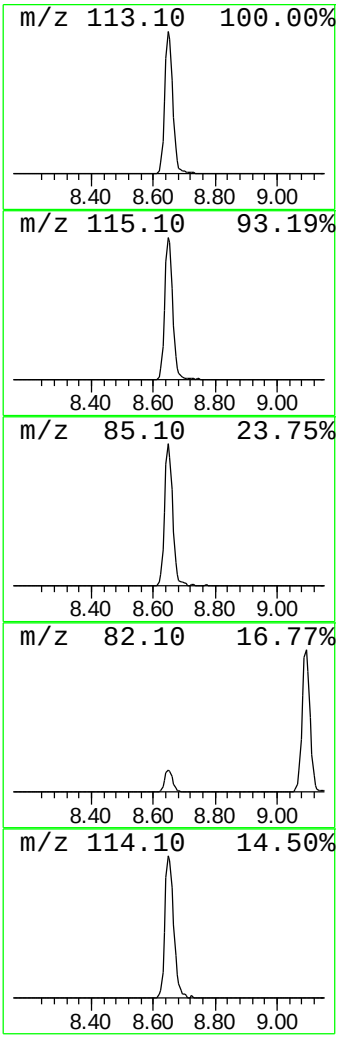
Peak Number 6 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	20.97 ng/ul	519868	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	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	35
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
4	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32
5	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32





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Quant Title : SVOA CALIBRATION

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

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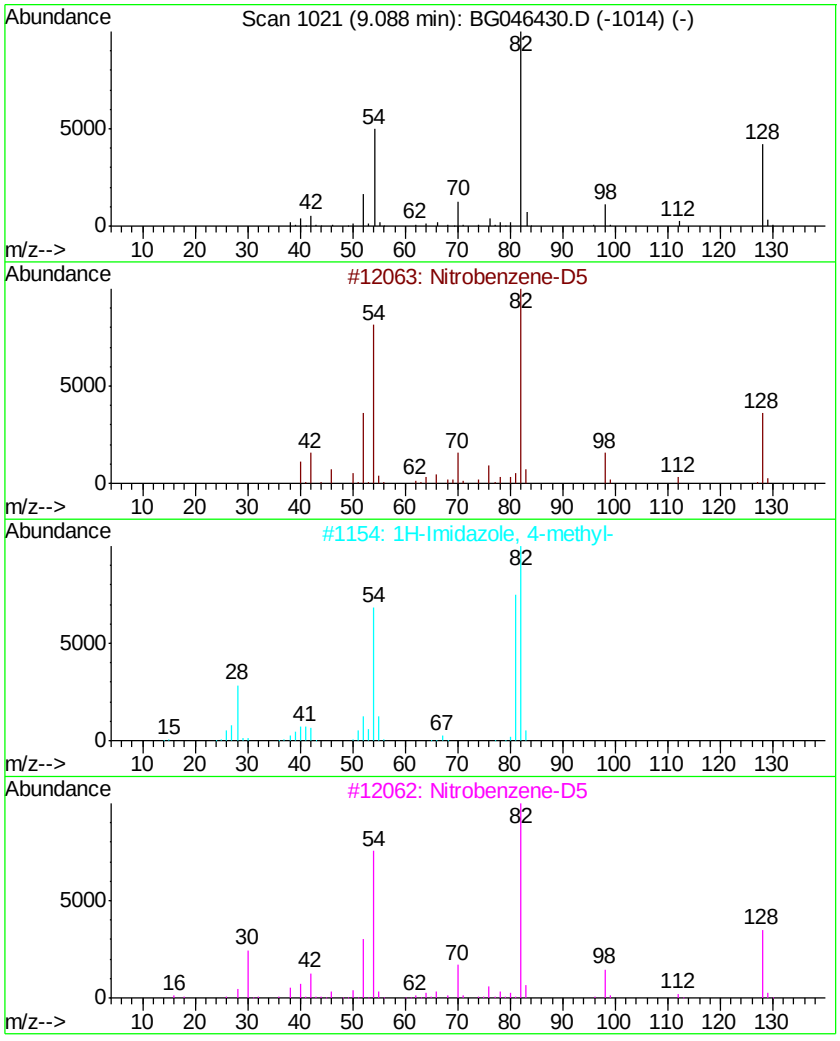
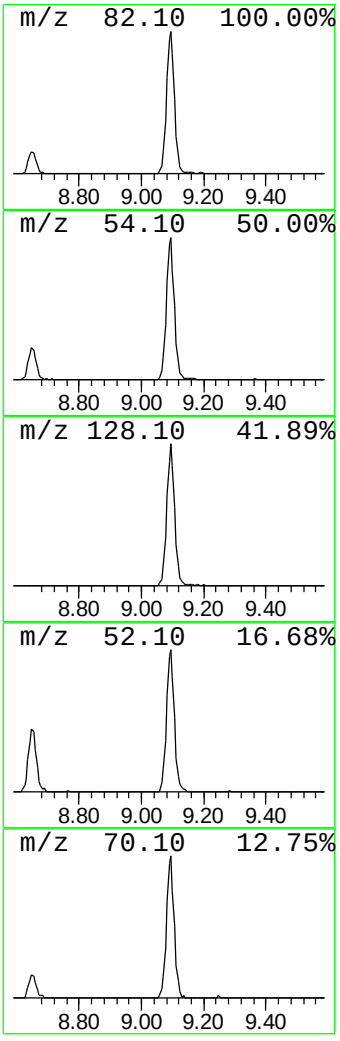
Peak Number 7 1H-Imidazole, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	16.32 ng/ul	404677	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	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33
5	Hexanedinitrile, 2-methyl-	122	C7H10N2	016525-39-6	9





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Quant Title : SVOA CALIBRATION

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

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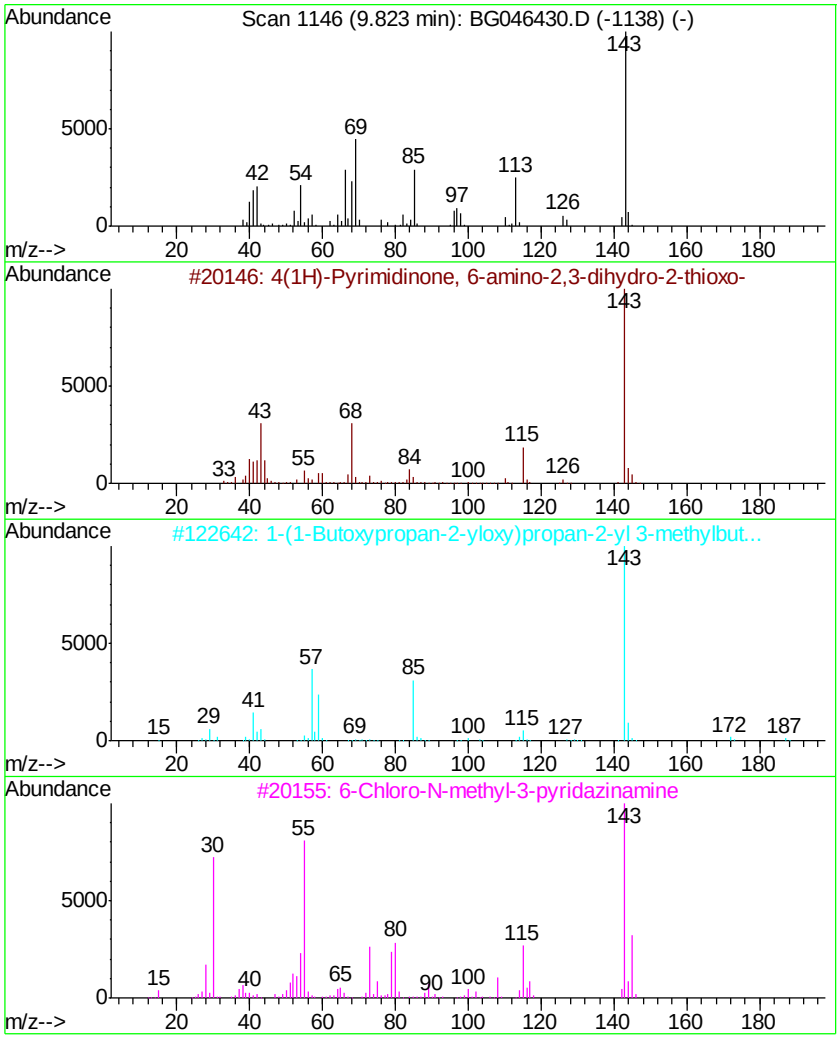
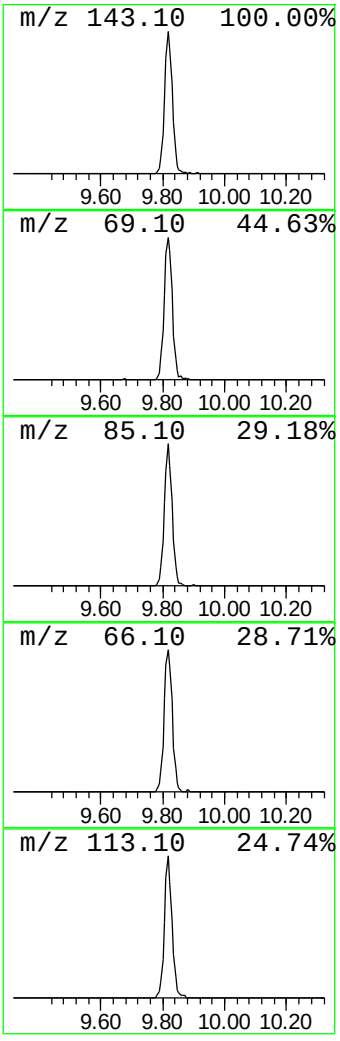
Peak Number 8 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	8.76 ng/ul	337143	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	27
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	12
3	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	10
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-10-9	10
5	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	10





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Quant Title : SVOA CALIBRATION

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

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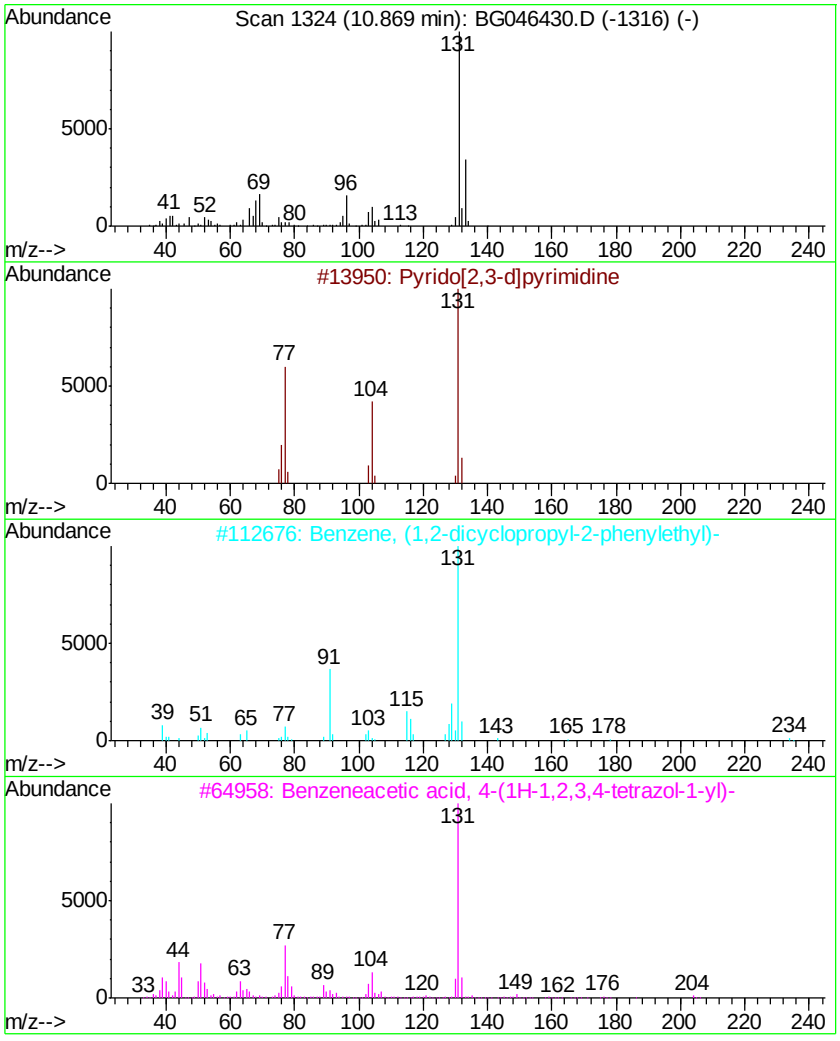
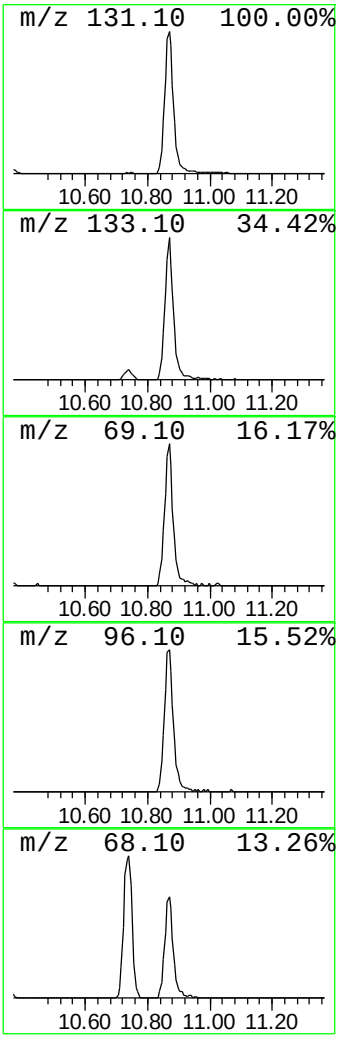
Peak Number 9 unknown-06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	11.04 ng/ul	424898	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]pyrimidine	131	C7H5N3	000254-61-5	40
2	Benzene, (1,2-dicyclopropyl-2-ph...	262	C20H22	110330-90-0	33
3	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
4	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
5	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9





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Quant Title : SVOA CALIBRATION

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

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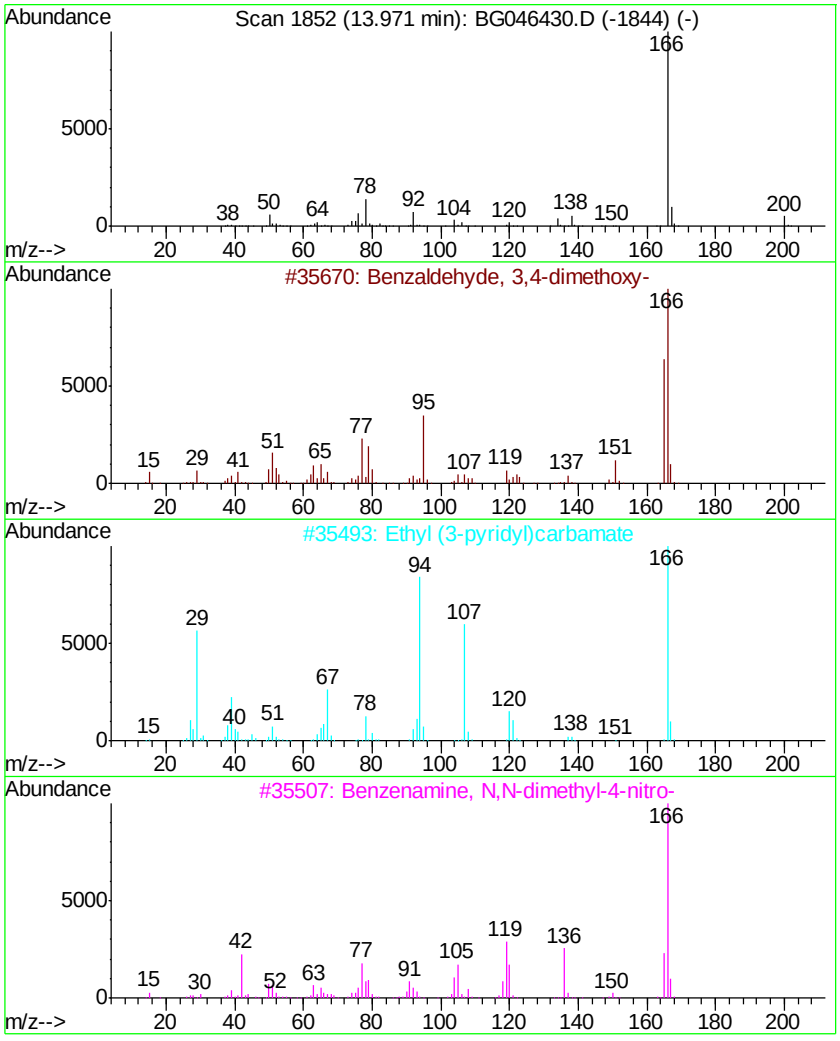
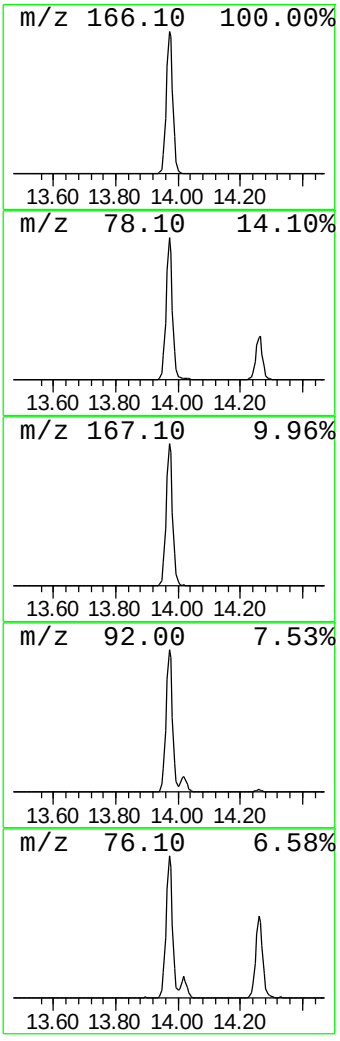
Peak Number 10 unknown-07 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	16.07 ng/ul	907981	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	39
3	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
4	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36
5	p-Anisamidoxime	166	C8H10N2O2	005373-87-5	9





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Quant Title : SVOA CALIBRATION

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

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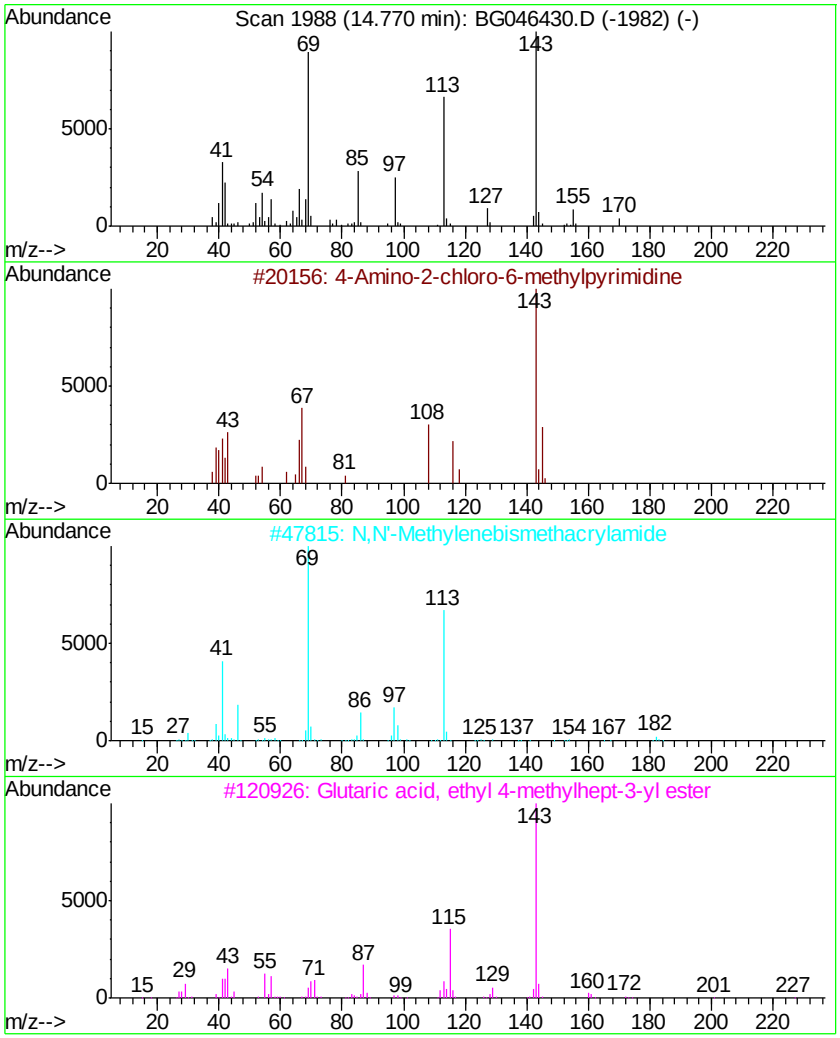
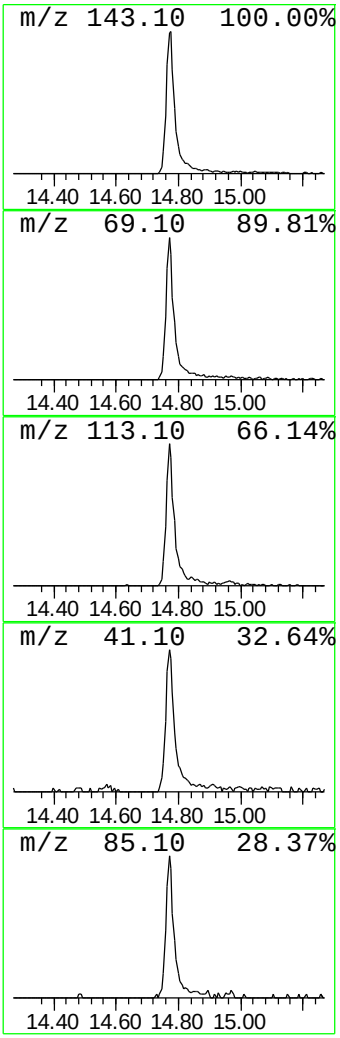
Peak Number 11 unknown-08 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	4.64 ng/ul	262173	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-2-chloro-6-methylpyrimidine	143	C5H6ClN3	014394-60-6	35
2	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	22
3	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	10
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	10
5	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	10





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Quant Title : SVOA CALIBRATION

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

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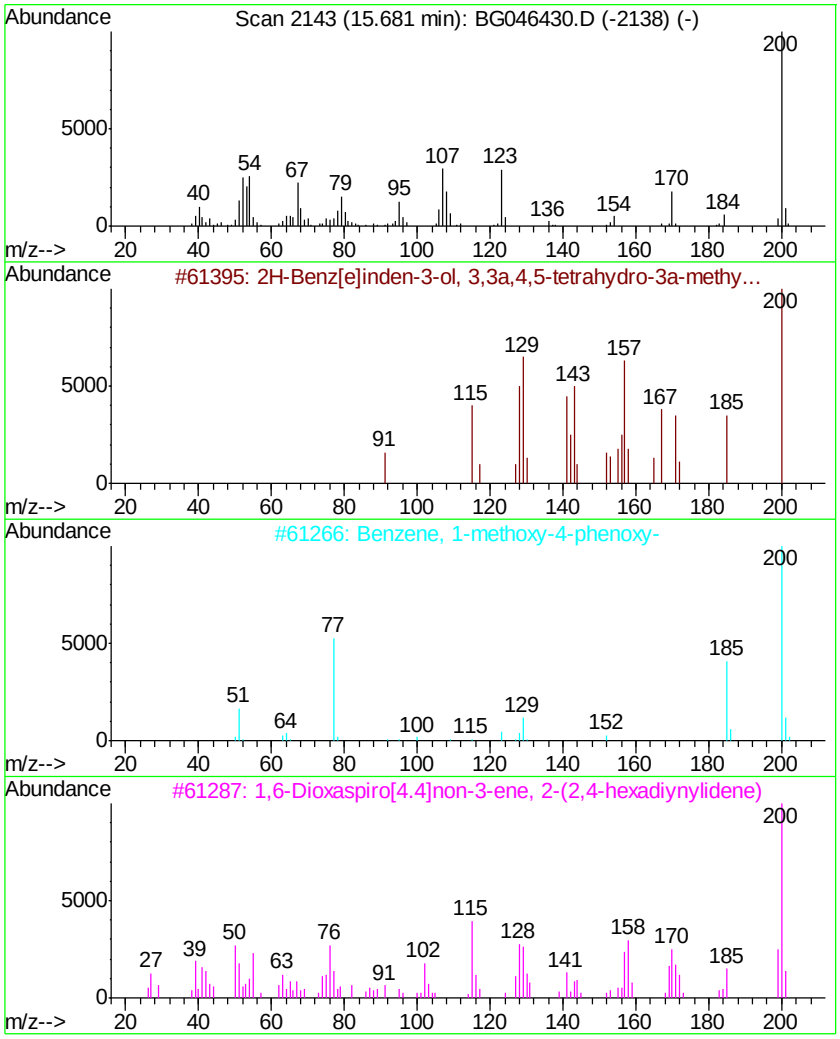
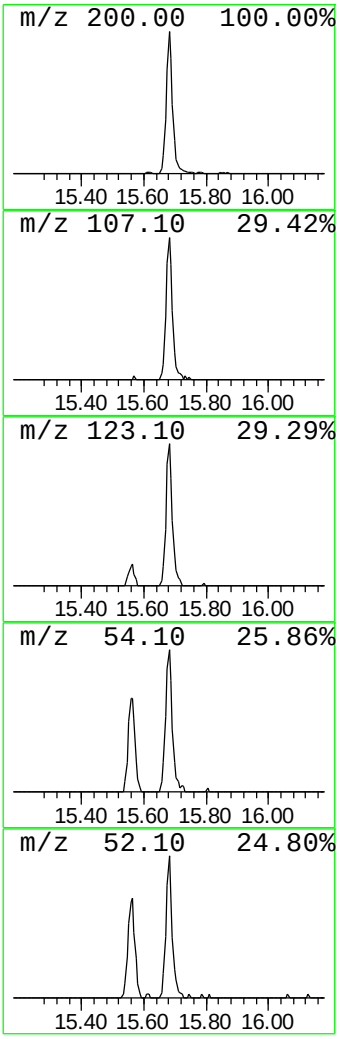
Peak Number 12 unknown-09 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.21 ng/ul	237680	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	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	18
3	1,6-Dioxaspiro[4.4]non-3-ene, 2-...	200	C13H12O2	016863-61-9	16
4	1-Hydroxy-4-methyl-2-oxo-1,2-dih...	200	C11H8N2O2	021771-74-4	14
5	Tetrafluoroisophthalonitrile	200	C8F4N2	002377-81-3	14





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Quant Title : SVOA CALIBRATION

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

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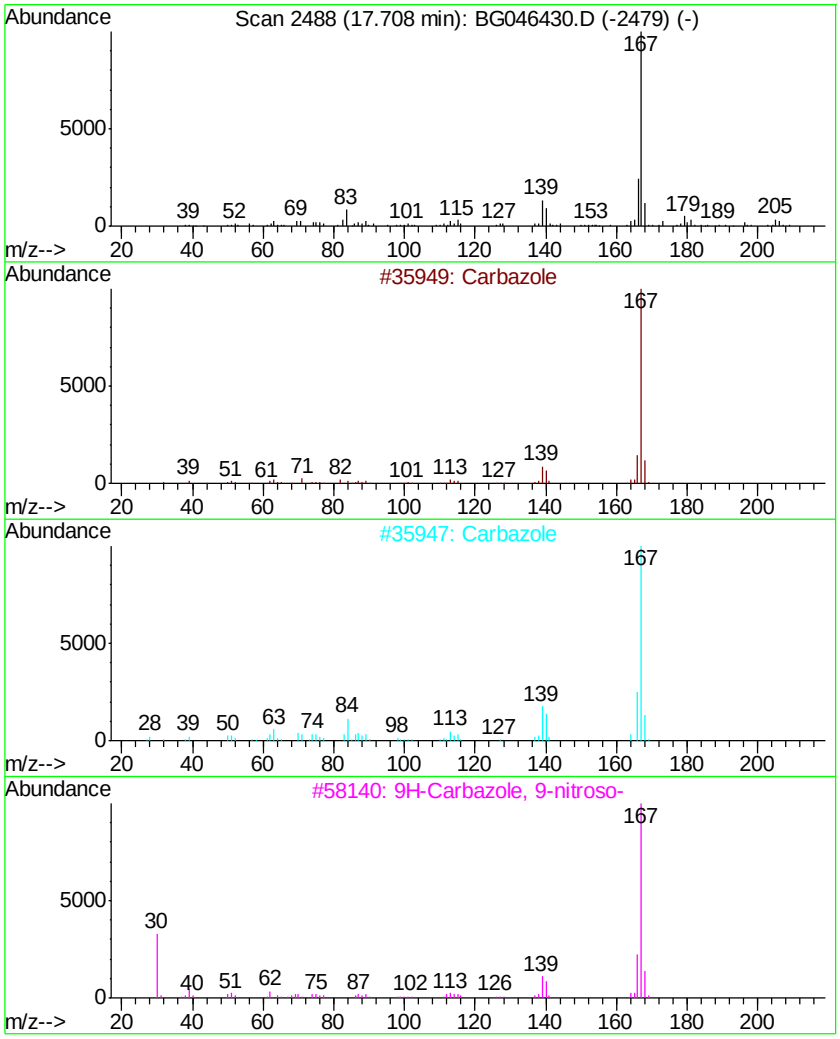
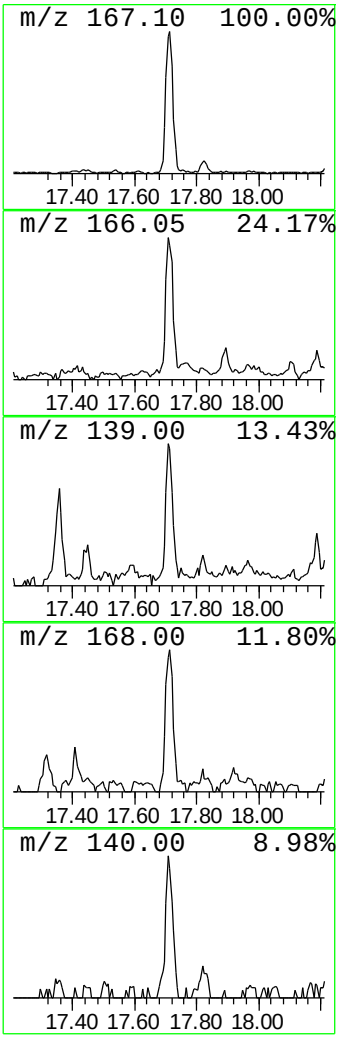
Peak Number 13 Carbazole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.79 ng/ul	193305	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole	167	C12H9N	000086-74-8	87
2	Carbazole	167	C12H9N	000086-74-8	81
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	74
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	72





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Quant Title : SVOA CALIBRATION

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

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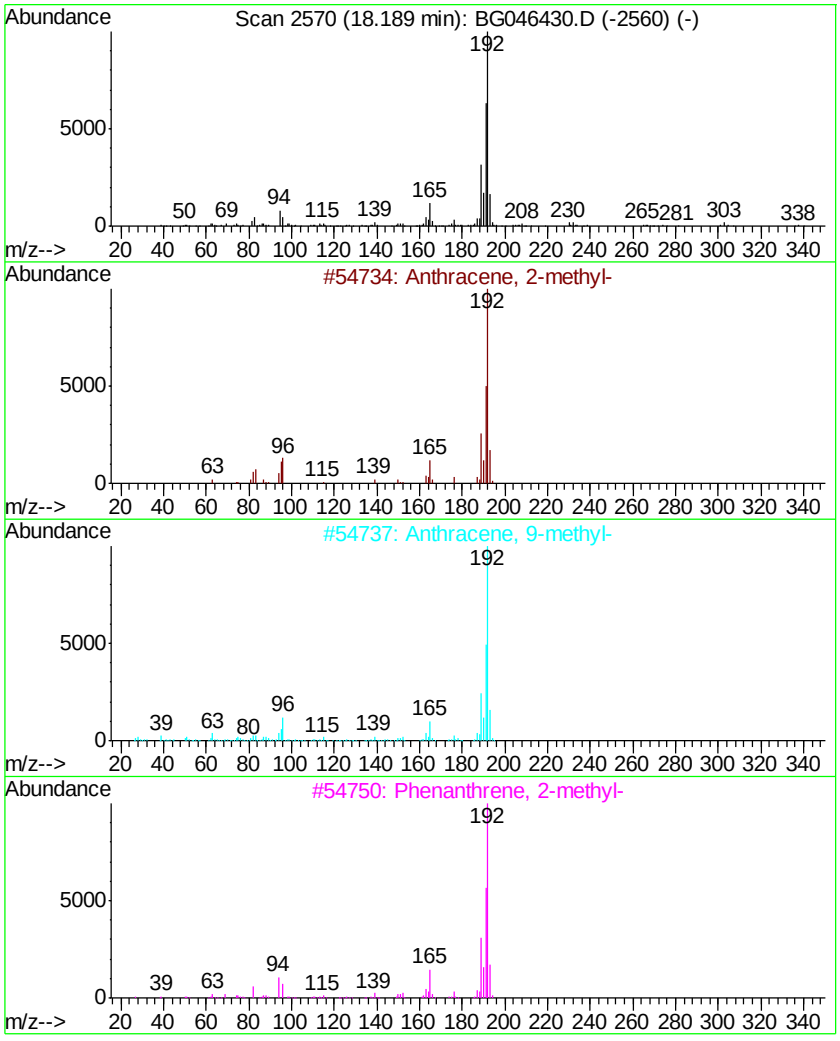
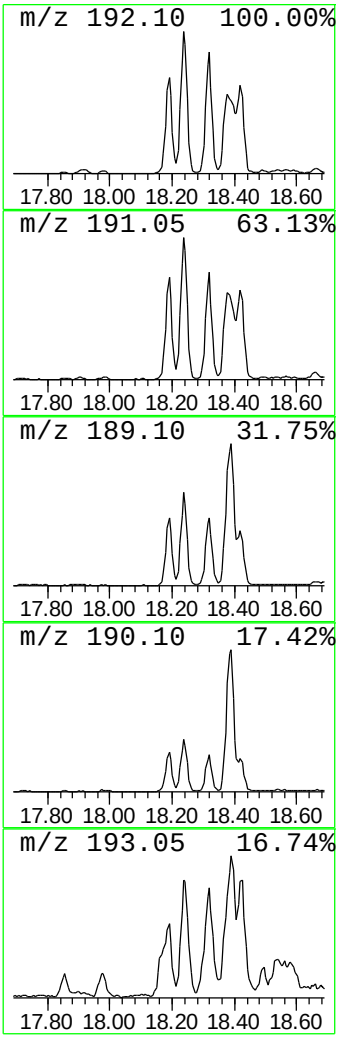
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	5.87 ng/ul	406674	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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ClientSampleId : BFMX5

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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 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	7.53 ng/ul	521970	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
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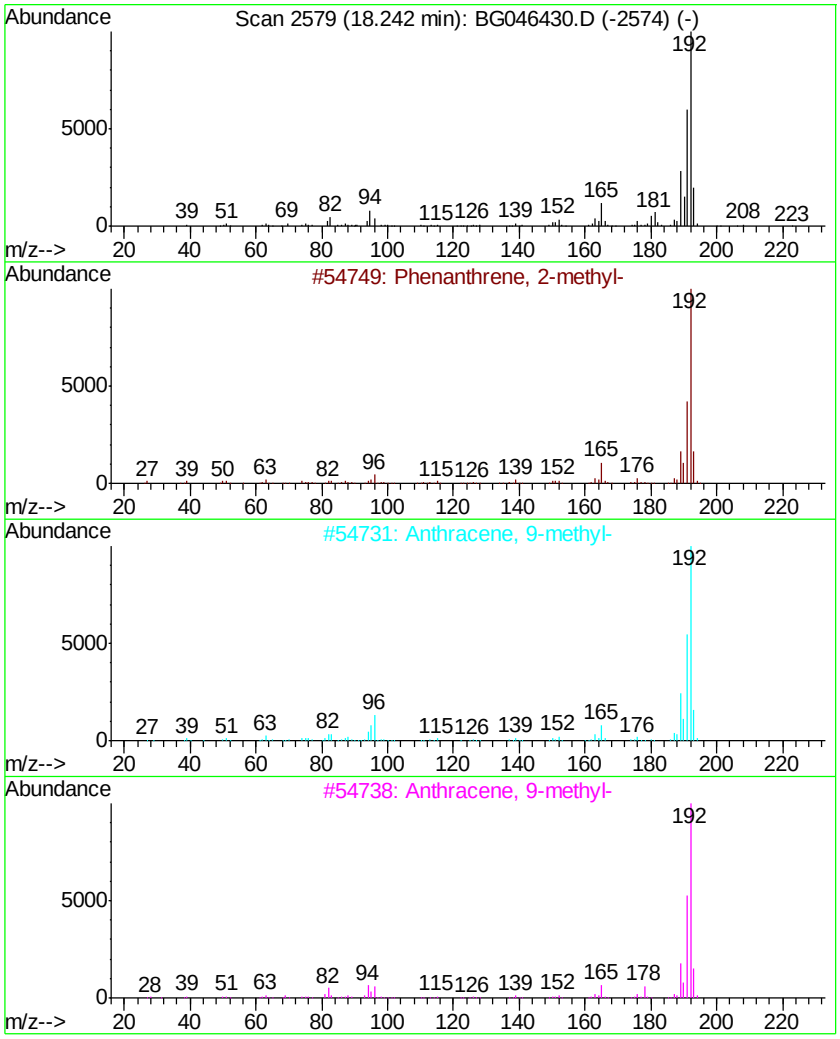

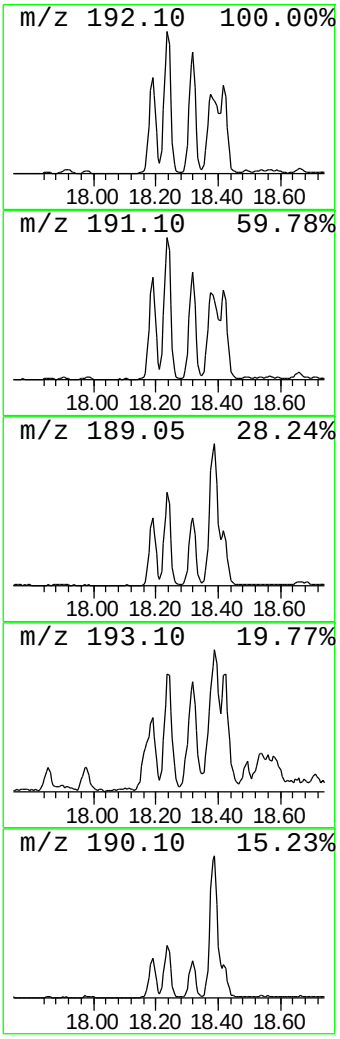

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Quant Title : SVOA CALIBRATION

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

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Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	5.79 ng/ul	401518	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
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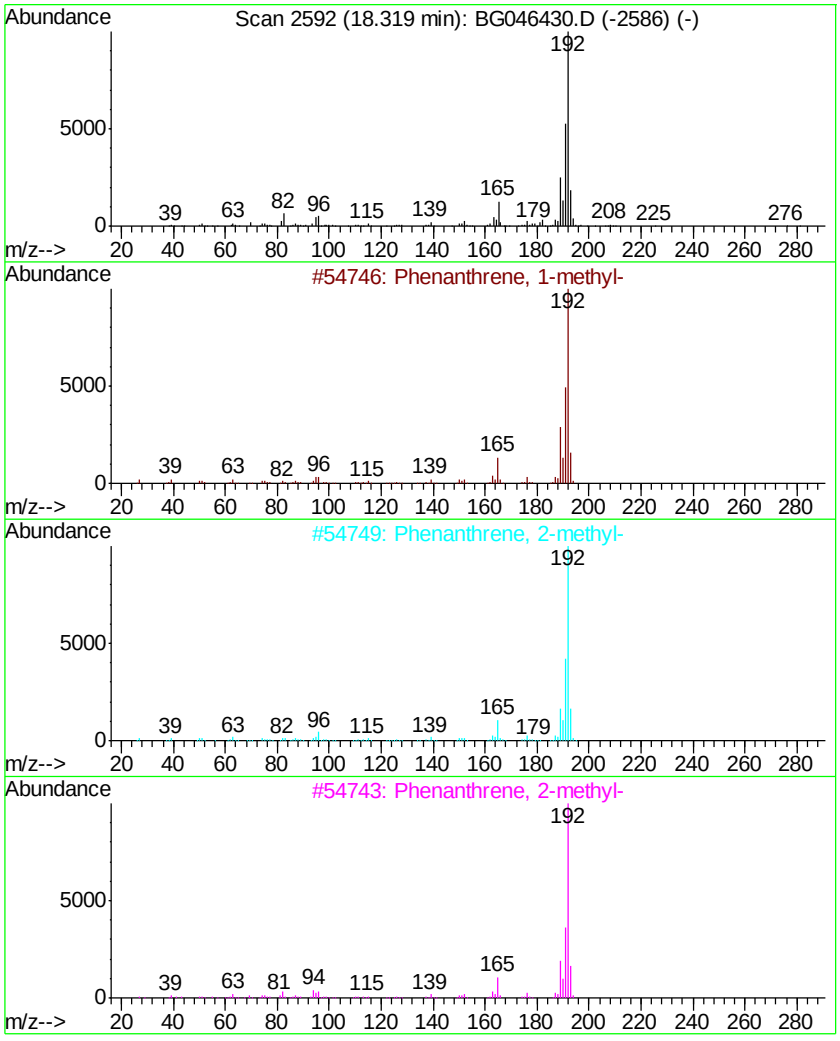

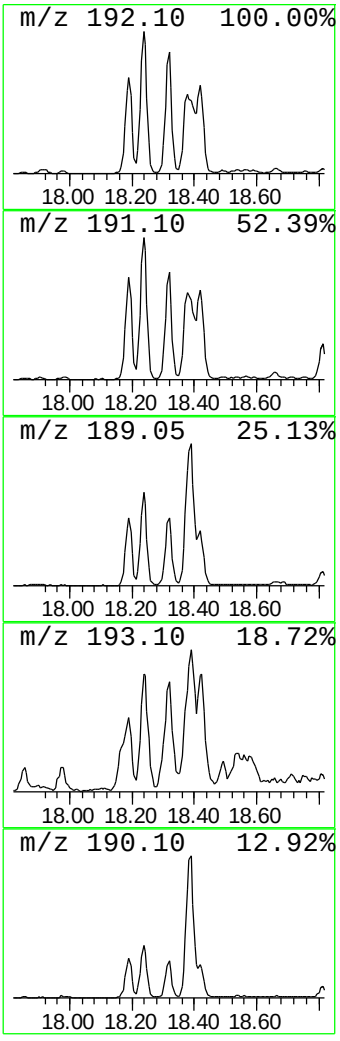

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Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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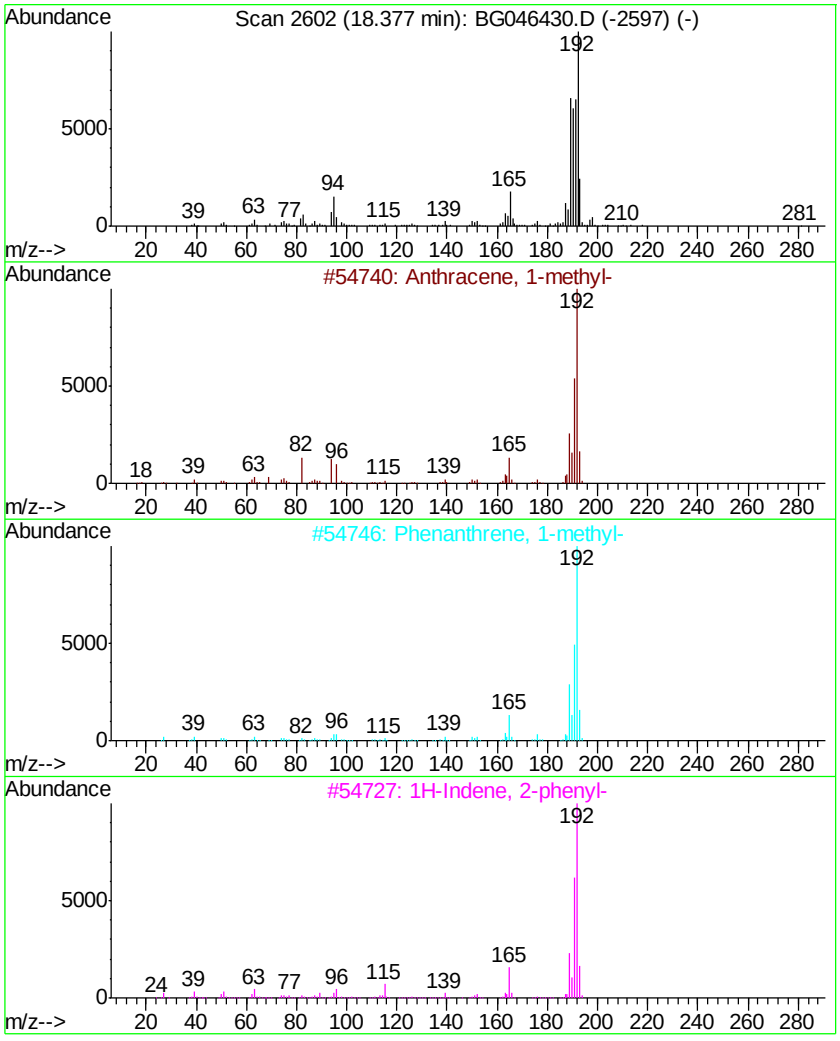
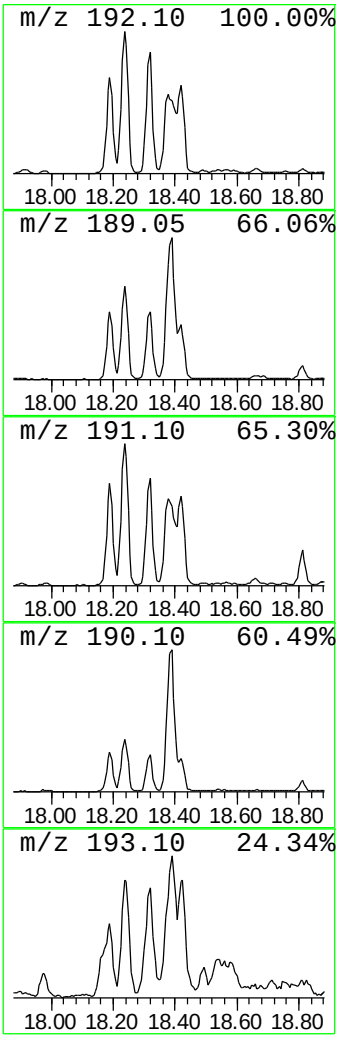
Peak Number 17 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	8.66 ng/ul	600496	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





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Sample : L3649-08
Misc :
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Instrument : BNA_G
ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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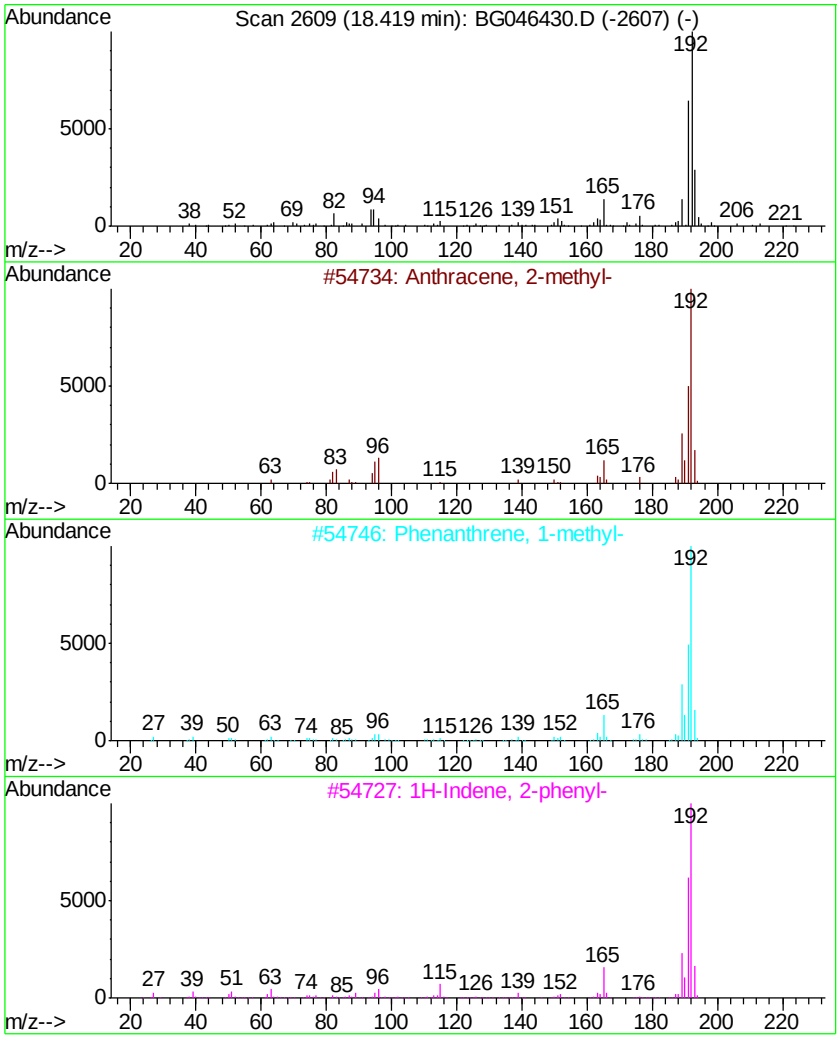
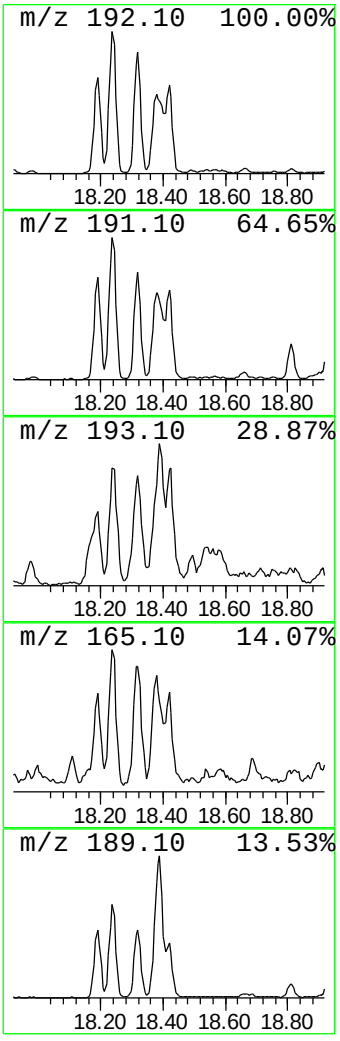
Peak Number 18 1H-Indene, 2-phenyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.11 ng/ul	215884	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80





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Instrument : BNA_G
ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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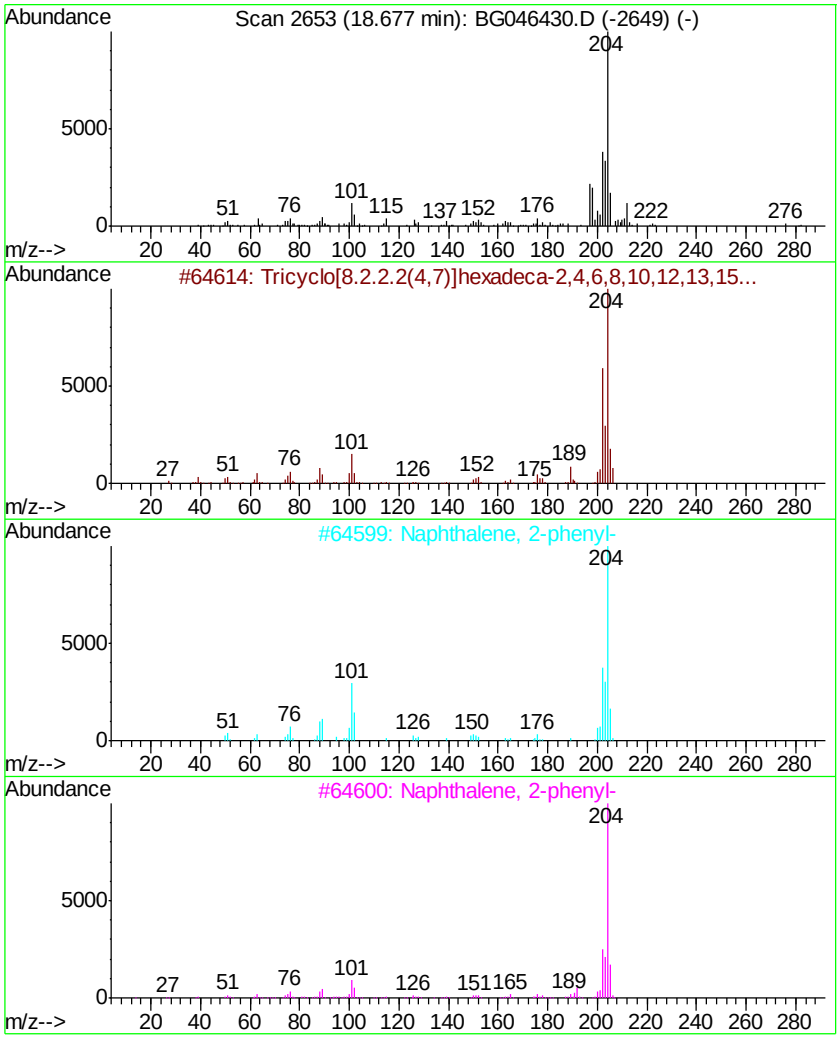
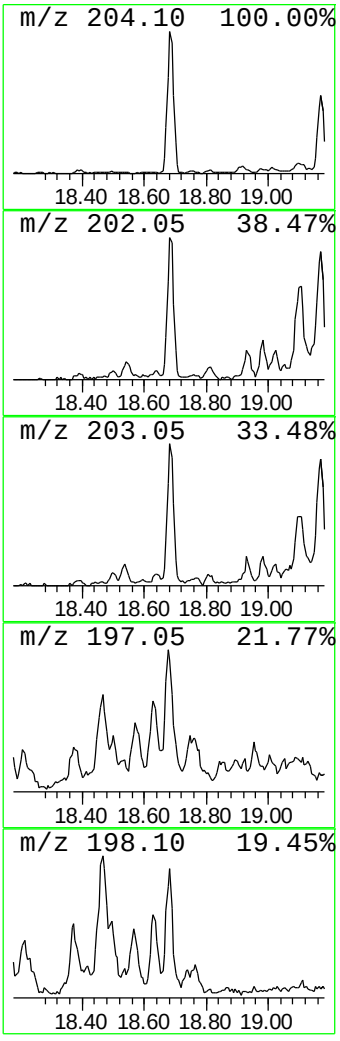
Peak Number 19 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.39 ng/ul	165749	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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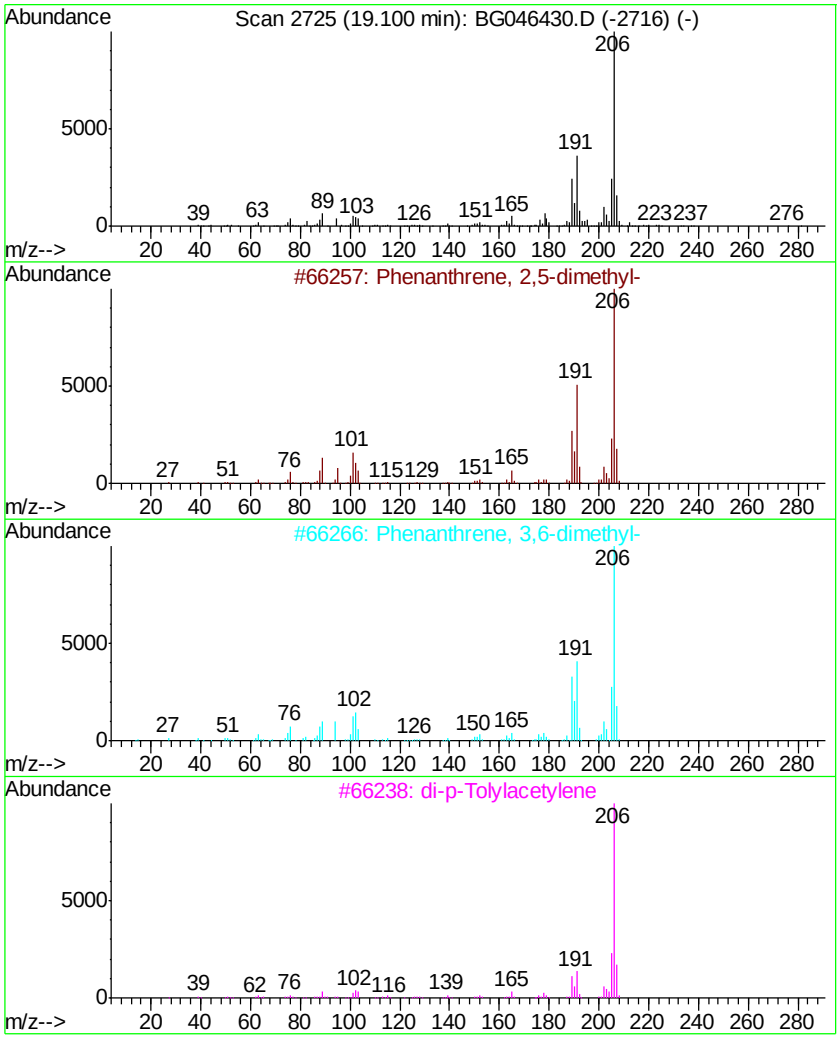
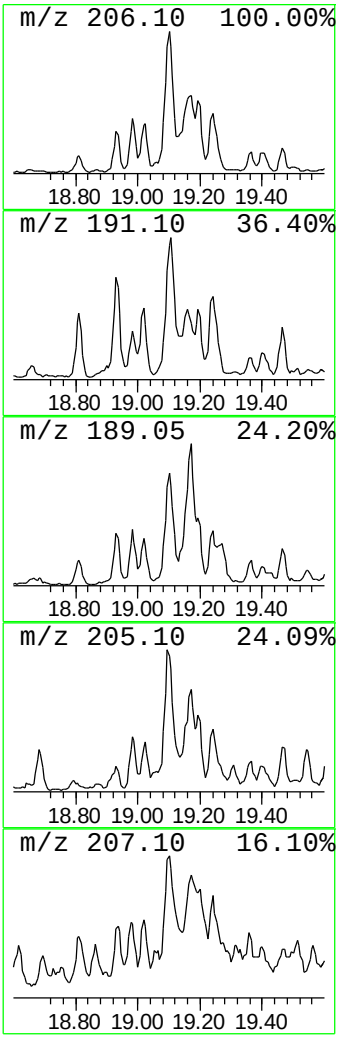
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	8.36 ng/ul	579146	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Misc :
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ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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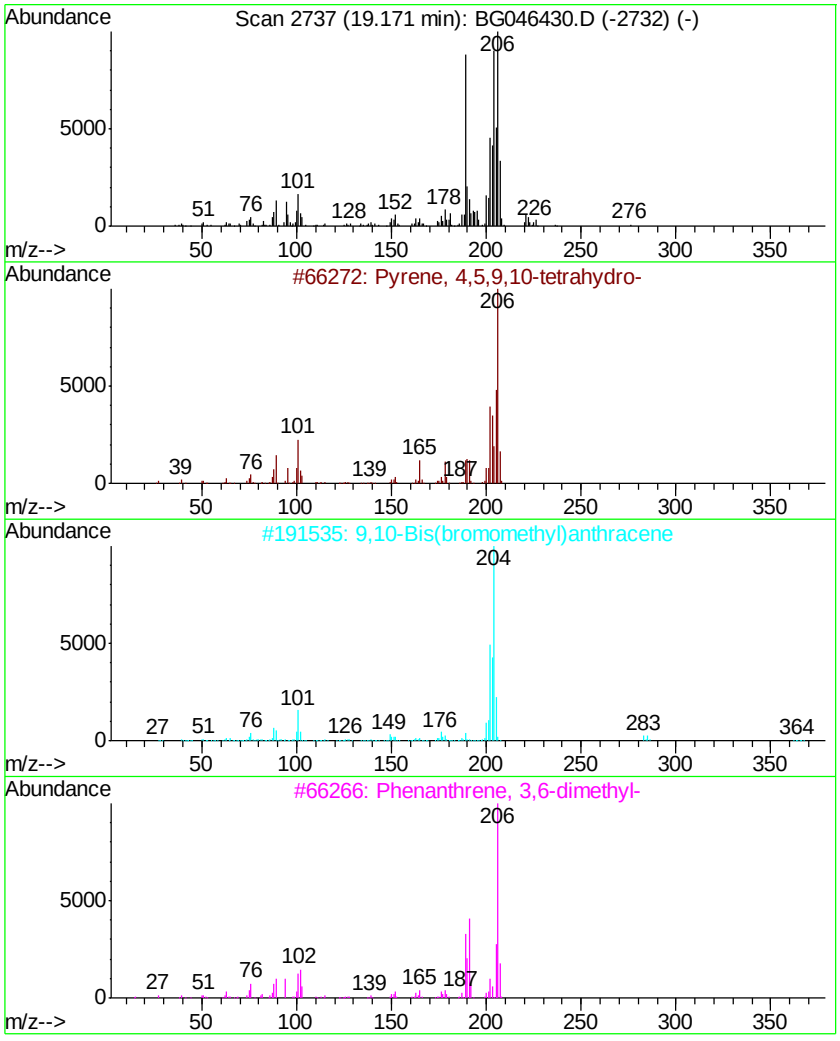
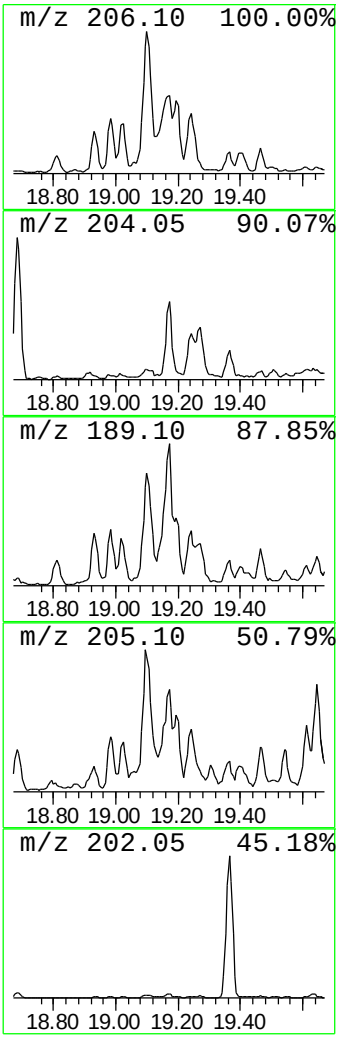
Peak Number 21 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	3.12 ng/ul	216290	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	52
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	41
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30





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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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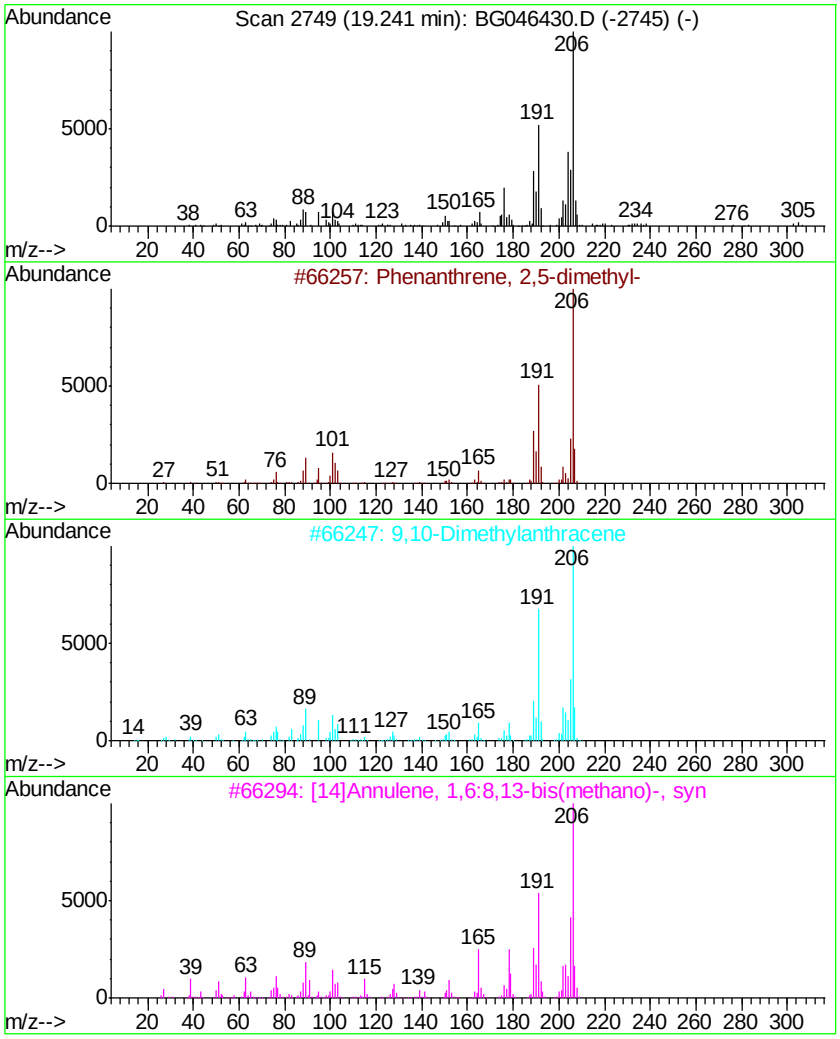
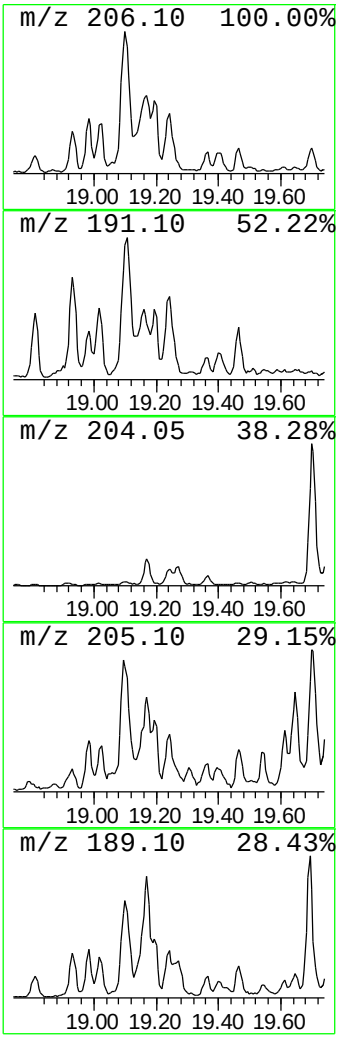
Peak Number 22 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	4.85 ng/ul	336371	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	64
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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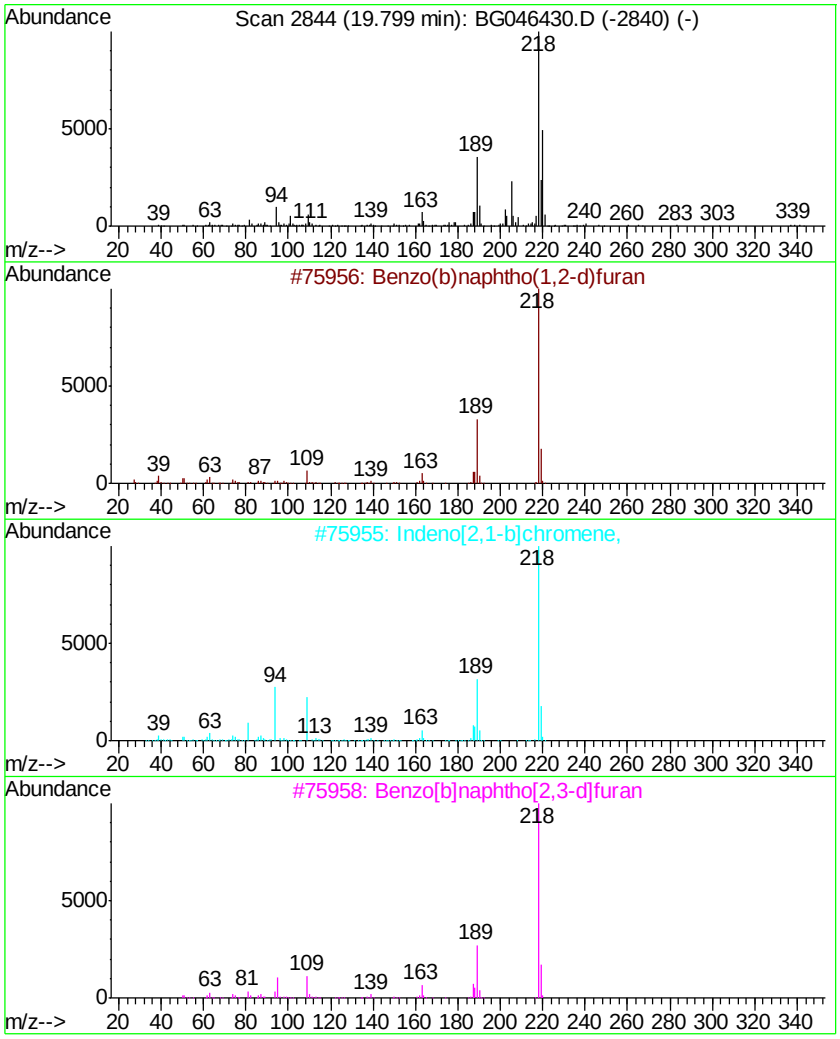
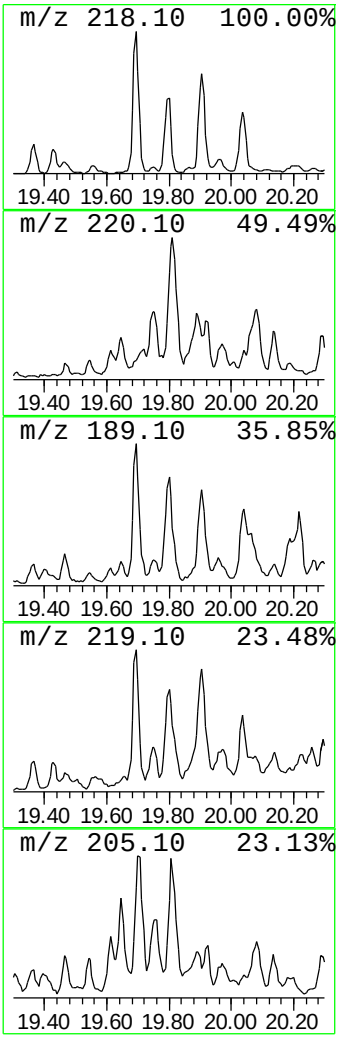
Peak Number 23 Benzo(b)naphtho(1,2-d)furan Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.56 ng/ul	453122	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	78
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	53
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	53
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	53
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	53





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Quant Title : SVOA CALIBRATION

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

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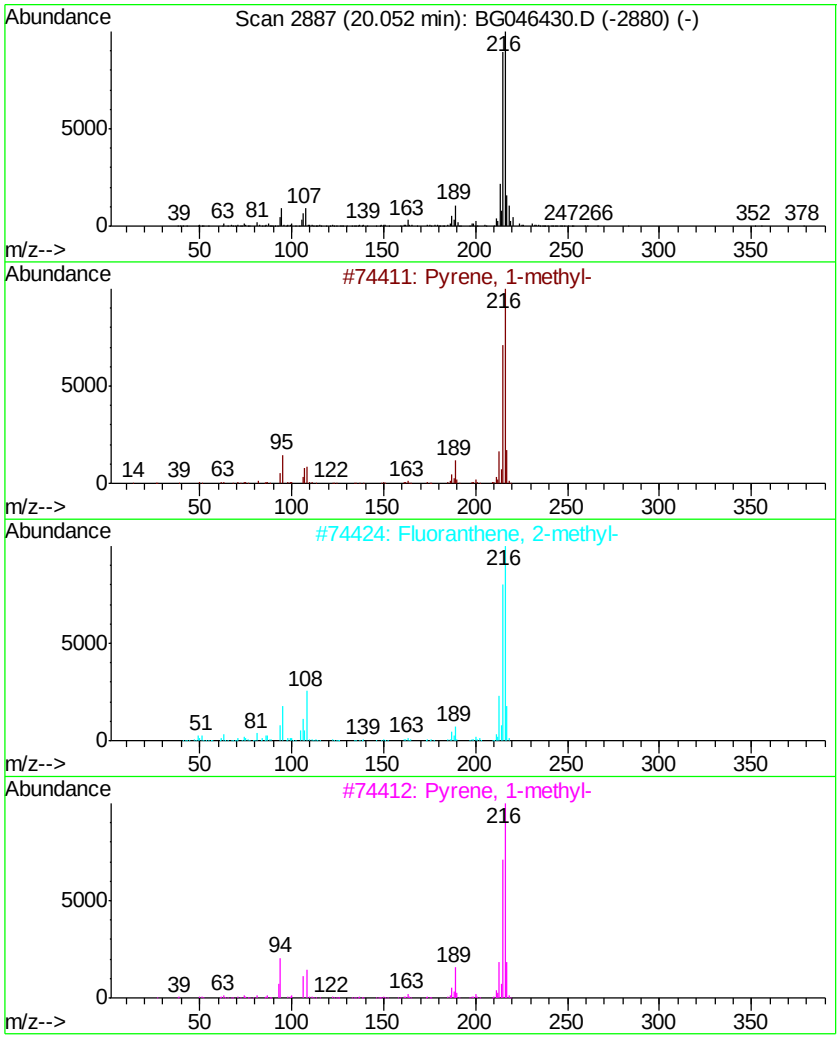
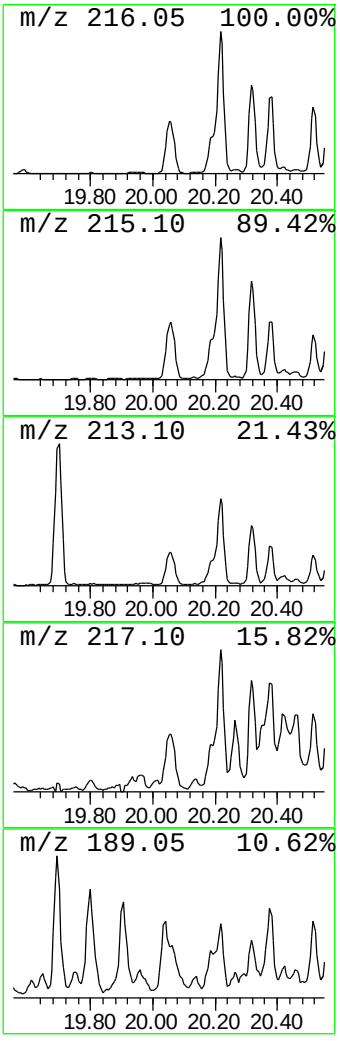
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	4.56 ng/ul	808176	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Misc :
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Quant Title : SVOA CALIBRATION

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

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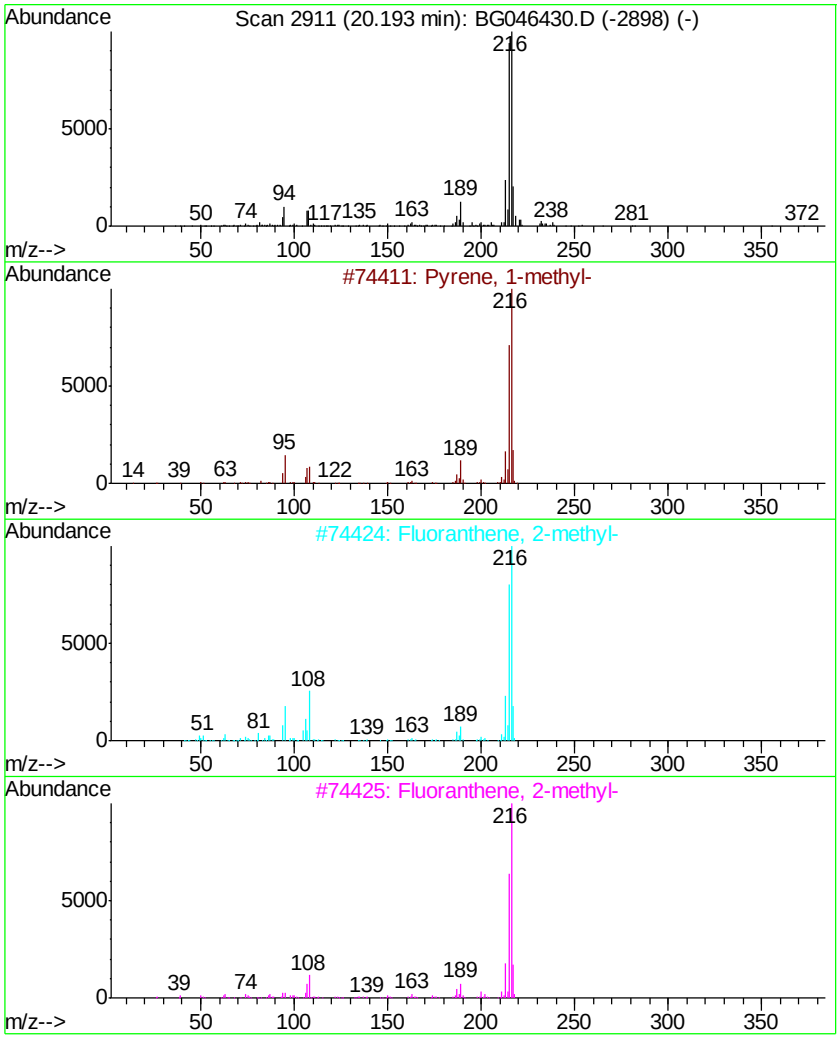
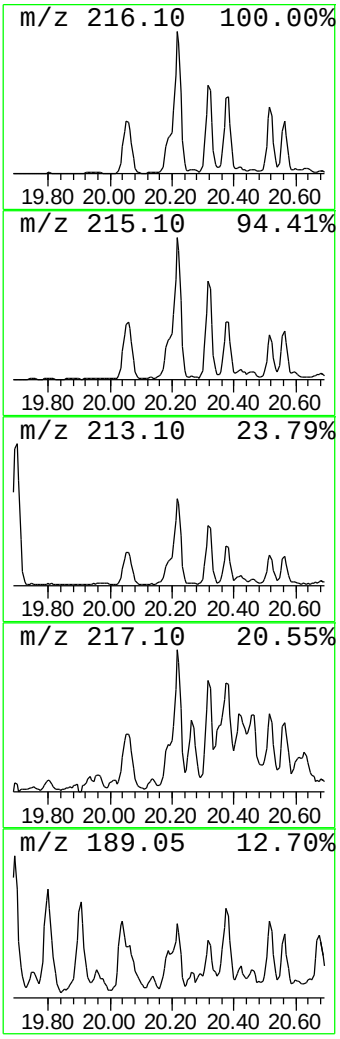
Peak Number 25 Fluoranthene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	2.79 ng/ul	493934	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	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





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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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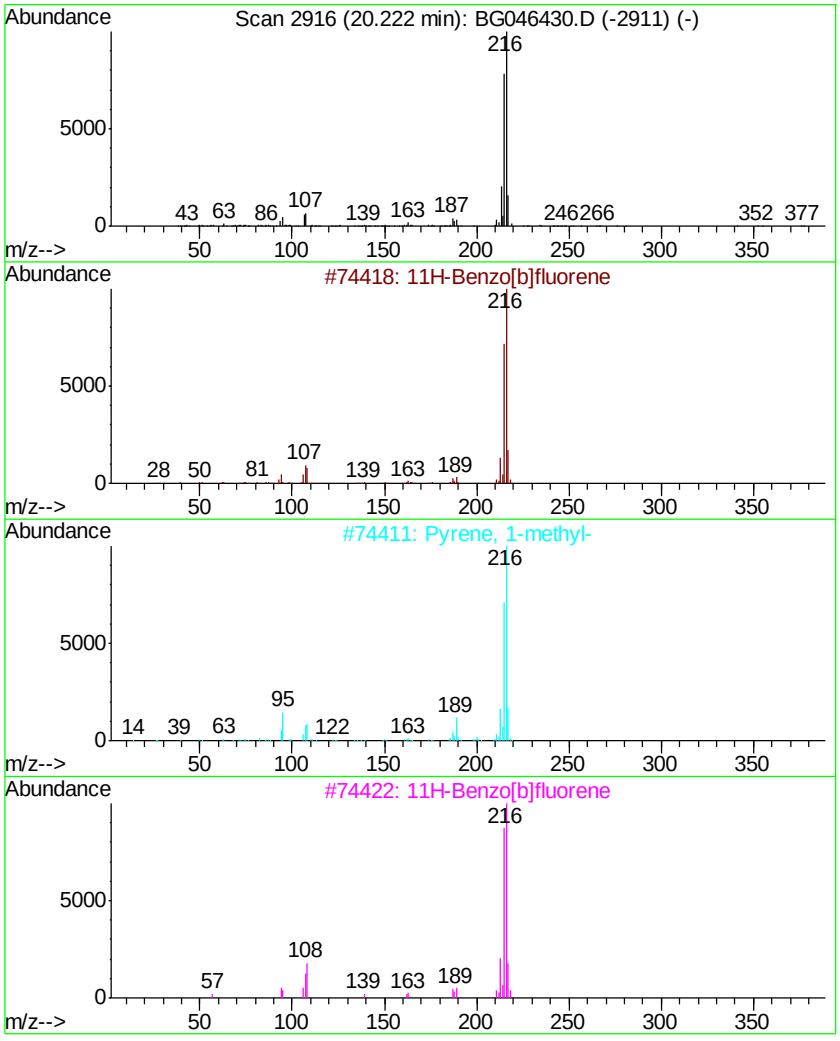
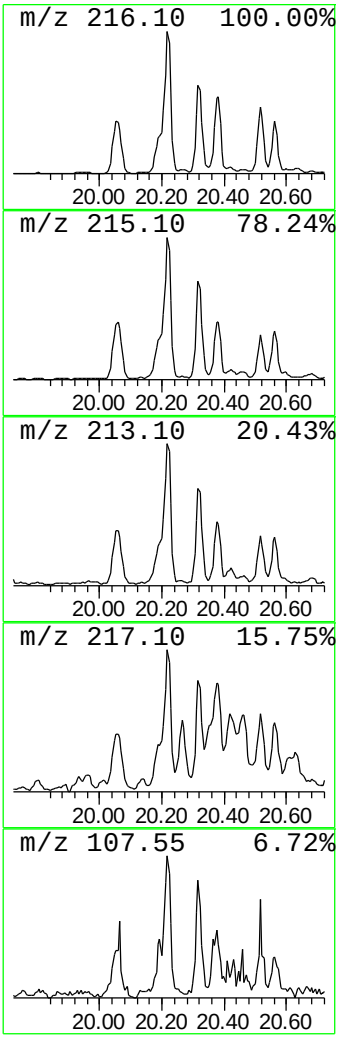
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	5.13 ng/ul	907847	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	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Quant Title : SVOA CALIBRATION

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

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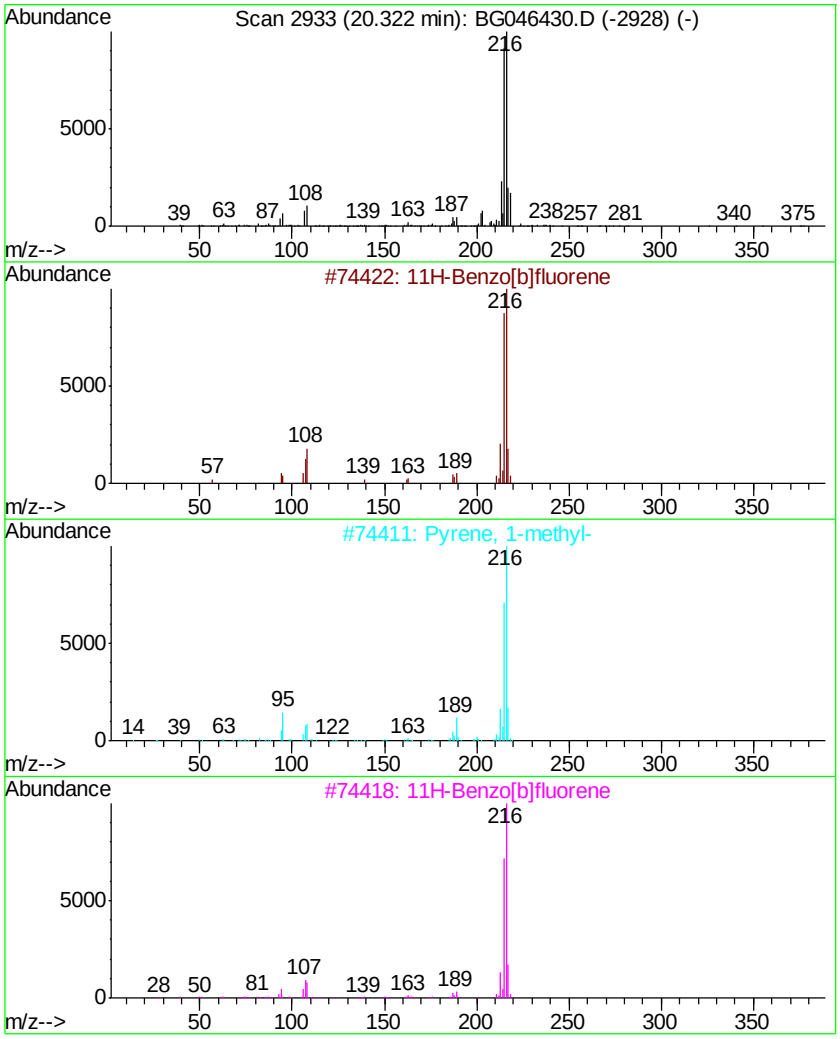
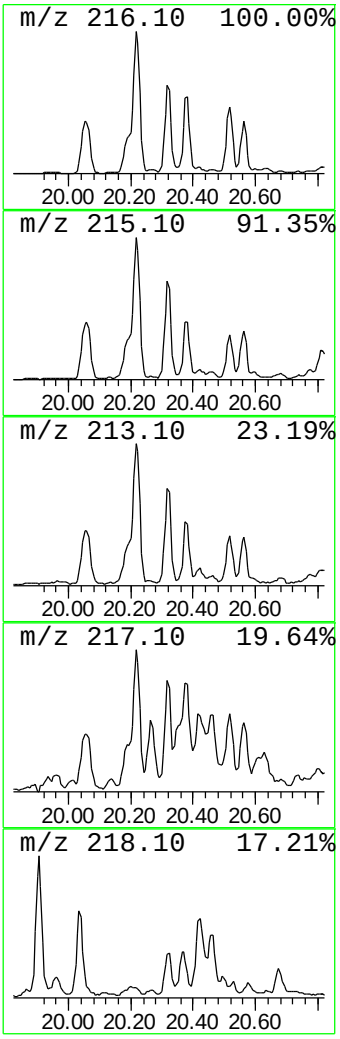
Peak Number 27 11H-Benzo[a]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	3.38 ng/ul	597828	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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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ClientSampleId : BFMX5

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Quant Title : SVOA CALIBRATION

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

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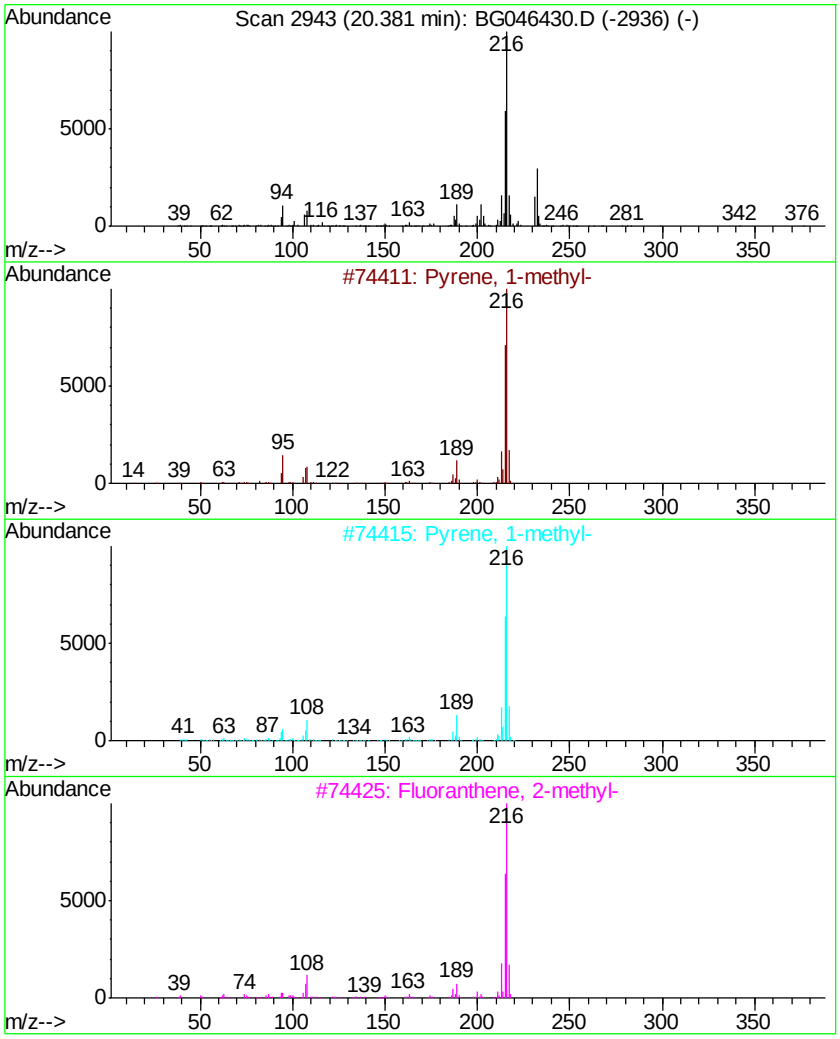
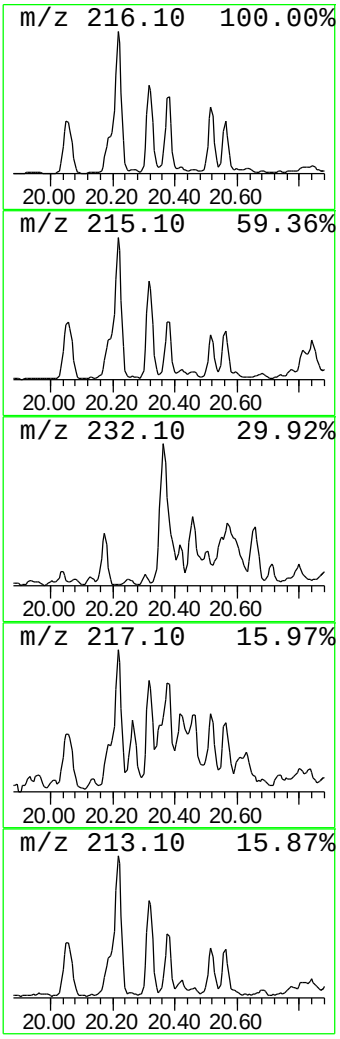
Peak Number 28 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	4.85 ng/ul	859000	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

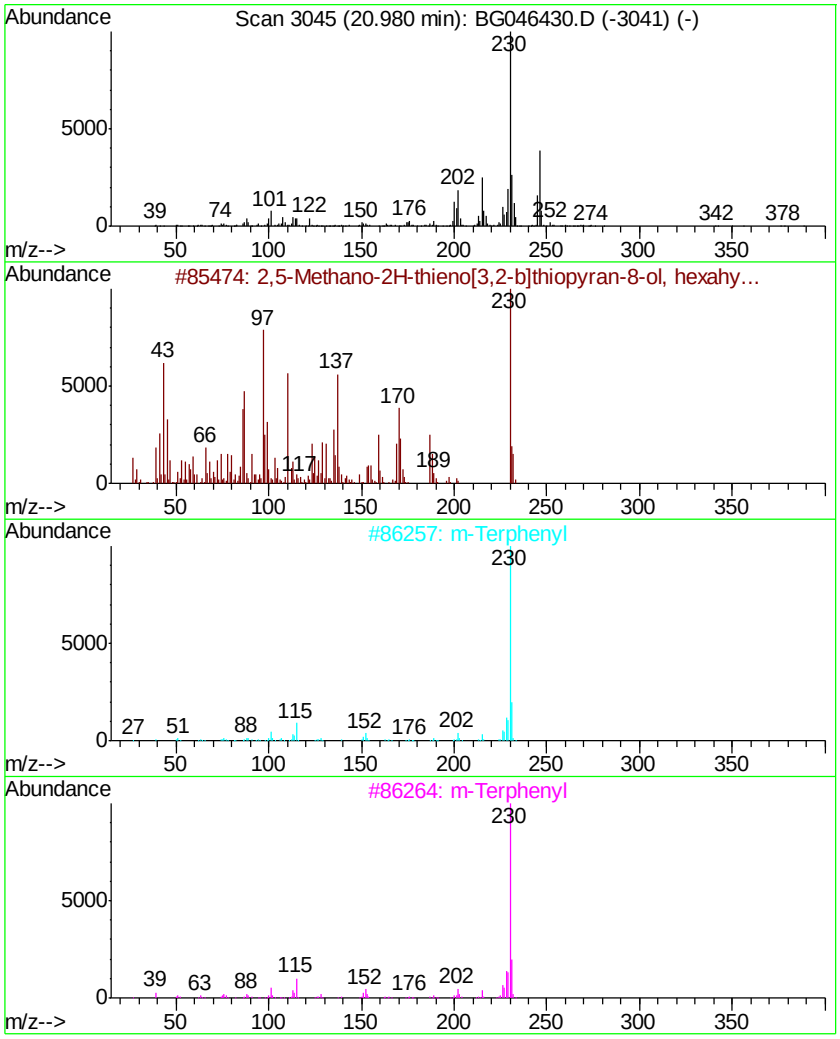
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

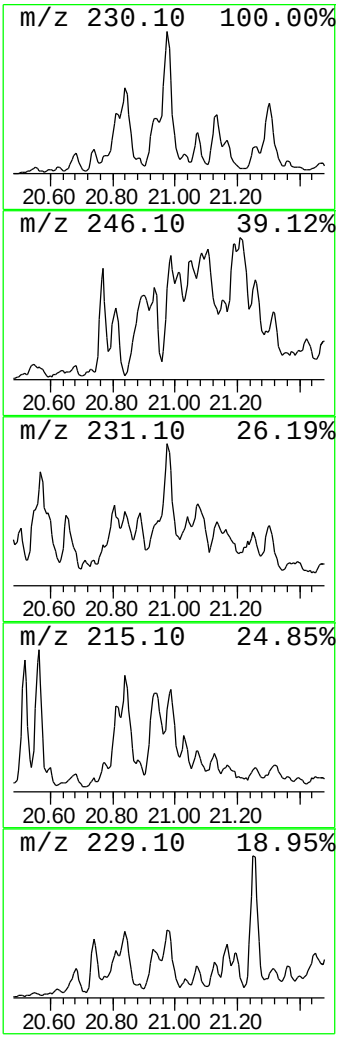
****

Peak Number 29 2,5-Methano-2H-thieno[3,2-b... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.95 ng/ul	521914	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Methano-2H-thieno[3,2-b]thio...	230	C10H14O2S2	035636-01-2	86
2	m-Terphenyl	230	C18H14	000092-06-8	49
3	m-Terphenyl	230	C18H14	000092-06-8	49
4	o-Terphenyl	230	C18H14	000084-15-1	49
5	p-Terphenyl	230	C18H14	000092-94-4	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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

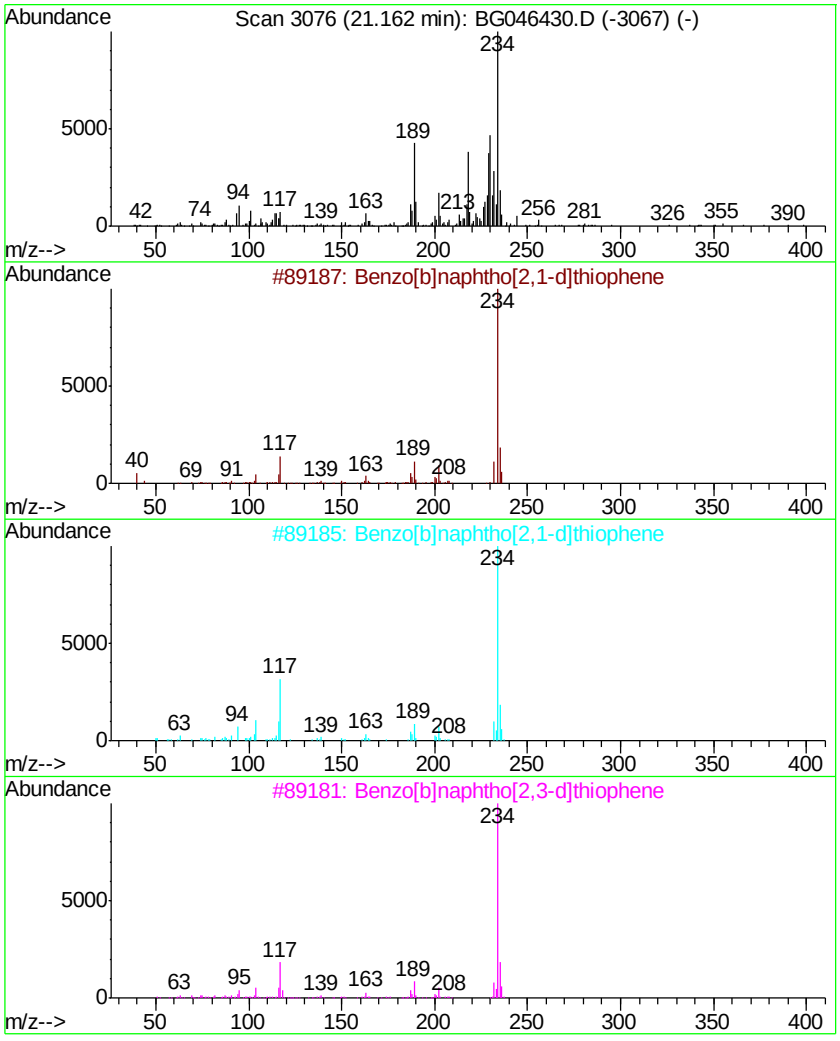
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

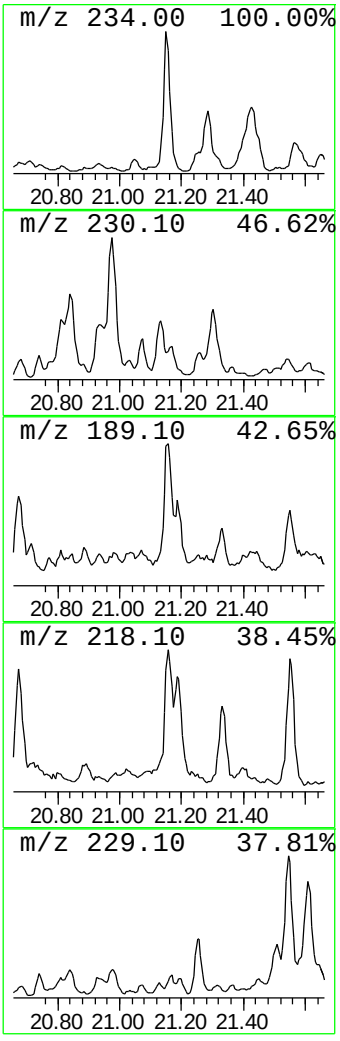
****

Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	3.35 ng/ul	592326	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	64
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	55
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	55
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	55
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046430.D
Acq On : 22 Aug 2020 2:48
Operator : CG/JU
Sample : L3649-08
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX5

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	102.8	ng/ul	2549650	1	7.94	495888	20.0
unknown-01	3.92	2.6	ng/ul	64578	1	7.94	495888	20.0
4H-Imidazol-4-one...	7.11	16.2	ng/ul	402574	1	7.94	495888	20.0
unknown-02	7.27	12.5	ng/ul	310475	1	7.94	495888	20.0
unknown-03	7.48	16.6	ng/ul	411246	1	7.94	495888	20.0
unknown-04	8.65	21.0	ng/ul	519868	1	7.94	495888	20.0
1H-Imidazole, 4-m...	9.09	16.3	ng/ul	404677	1	7.94	495888	20.0
unknown-05	9.82	8.8	ng/ul	337143	2	10.74	769740	20.0
unknown-06	10.87	11.0	ng/ul	424898	2	10.74	769740	20.0
unknown-07	13.97	16.1	ng/ul	907981	3	14.57	1130130	20.0
unknown-08	14.77	4.6	ng/ul	262173	3	14.57	1130130	20.0
unknown-09	15.68	4.2	ng/ul	237680	3	14.57	1130130	20.0
Carbazole	17.71	2.8	ng/ul	193305	4	17.31	1386130	20.0
Anthracene, 2-met...	18.19	5.9	ng/ul	406674	4	17.31	1386130	20.0
Phenanthrene, 2-m...	18.24	7.5	ng/ul	521970	4	17.31	1386130	20.0
Phenanthrene, 1-m...	18.32	5.8	ng/ul	401518	4	17.31	1386130	20.0
Anthracene, 1-met...	18.38	8.7	ng/ul	600496	4	17.31	1386130	20.0
1H-Indene, 2-phenyl-	18.42	3.1	ng/ul	215884	4	17.31	1386130	20.0
Tricyclo[8.2.2.2(...	18.68	2.4	ng/ul	165749	4	17.31	1386130	20.0
Phenanthrene, 2,5...	19.10	8.4	ng/ul	579146	4	17.31	1386130	20.0
Pyrene, 4,5,9,10-...	19.17	3.1	ng/ul	216290	4	17.31	1386130	20.0
9,10-Dimethylanth...	19.24	4.8	ng/ul	336371	4	17.31	1386130	20.0
Benzo(b)naphtho(1...	19.80	2.6	ng/ul	453122	5	21.56	3540970	20.0
Pyrene, 1-methyl-	20.05	4.6	ng/ul	808176	5	21.56	3540970	20.0
Fluoranthene, 2-m...	20.19	2.8	ng/ul	493934	5	21.56	3540970	20.0
11H-Benzo[b]fluorene	20.22	5.1	ng/ul	907847	5	21.56	3540970	20.0
11H-Benzo[a]fluorene	20.32	3.4	ng/ul	597828	5	21.56	3540970	20.0
Pyrene, 2-methyl-	20.38	4.8	ng/ul	859000	5	21.56	3540970	20.0
2,5-Methano-2H-th...	20.98	3.0	ng/ul	521914	5	21.56	3540970	20.0
Benzo[b]naphtho[2...	21.16	3.4	ng/ul	592326	5	21.56	3540970	20.0