LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046406.D
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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	3.140	5	9	33	rVB	1257221	2009314	64.56%	4.519%
2	3.916	136	141	147	rBV	48732	70413	2.26%	0.158%
3	7.112	678	685	698	rVB	184550	335218	10.77%	0.754%
4	7.265	705	711	721	rBV	155043	251301	8.07%	0.565%
5	7.476	740	747	756	rVB	198983	340058	10.93%	0.765%
6	7.941	819	826	836	rBV	307668	518526	16.66%	1.166%
7	8.646	939	946	958	rBV	235388	421411	13.54%	0.948%
8	9.092	1014	1022	1031	rBV	191646	336944	10.83%	0.758%
9	9.815	1138	1145	1153	rBV	158396	283779	9.12%	0.638%
10	10.361	1230	1238	1247	rBV	262976	475367	15.27%	1.069%
11	10.737	1294	1302	1308	rBV	441018	783678	25.18%	1.762%
12	10.867	1316	1324	1338	rBV	153004	321040	10.32%	0.722%
13	12.394	1578	1584	1592	rVB2	17587	29932	0.96%	0.067%
14	12.612	1614	1621	1629	rBV	17695	27696	0.89%	0.062%
15	13.740	1804	1813	1820	rVB5	10653	25464	0.82%	0.057%
16	13.892	1832	1839	1844	rBV2	22158	38329	1.23%	0.086%
17	13.969	1844	1852	1857	rVV	514978	769142	24.71%	1.730%
18	14.016	1857	1860	1866	rVV	90199	126896	4.08%	0.285%
19	14.263	1892	1902	1916	rBV	595745	1043148	33.52%	2.346%
20	14.568	1944	1954	1960	rBV2	737181	1124629	36.14%	2.529%
21	14.633	1960	1965	1972	rVB	43682	71561	2.30%	0.161%
22	14.774	1983	1989	2001	rBV	108498	233148	7.49%	0.524%
23	14.968	2016	2022	2028	rVV2	49258	83437	2.68%	0.188%
24	15.191	2053	2060	2064	rBV4	15966	32186	1.03%	0.072%
25	15.361	2078	2089	2092	rBV4	17023	37366	1.20%	0.084%
26	15.561	2114	2123	2128	rVV	804710	1225229	39.37%	2.755%
27	15.614	2128	2132	2139	rVV2	78720	133702	4.30%	0.301%
28	15.679	2139	2143	2150	rVV	70031	120699	3.88%	0.271%
29	15.743	2150	2154	2157	rVV4	15896	25572	0.82%	0.058%
30	15.790	2157	2162	2166	rVV6	16937	39022	1.25%	0.088%
31	15.914	2178	2183	2190	rVB	35808	66282	2.13%	0.149%
32	16.055	2201	2207	2215	rVB	40830	91462	2.94%	0.206%
33	16.149	2215	2223	2229	rVB4	13097	28135	0.90%	0.063%
34	16.290	2242	2247	2257	rVB8	30968	56101	1.80%	0.126%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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	16.595	2291	2299	2300	rBV6	17514	32694	1.05%	0.074%
36	16.625	2300	2304	2308	rVV3	29315	52494	1.69%	0.118%
37	16.672	2308	2312	2317	rVB5	19518	32581	1.05%	0.073%
38	16.854	2333	2343	2346	rBV5	37696	76057	2.44%	0.171%
39	16.889	2346	2349	2353	rVV3	33284	46840	1.51%	0.105%
40	16.965	2357	2362	2370	rVB	80379	131360	4.22%	0.295%
41	17.048	2371	2376	2386	rBV5	34982	108413	3.48%	0.244%
42	17.130	2386	2390	2400	rVB	56930	99570	3.20%	0.224%
43	17.312	2415	2421	2425	rBV	833170	1348044	43.32%	3.032%
44	17.353	2425	2428	2433	rVV	1023198	1449746	46.58%	3.260%
45	17.412	2433	2438	2442	rVV	779994	1251760	40.22%	2.815%
46	17.447	2442	2444	2449	rVB	166107	181417	5.83%	0.408%
47	17.500	2449	2453	2458	rBV3	34497	58469	1.88%	0.131%
48	17.623	2471	2474	2480	rVB2	22643	36191	1.16%	0.081%
49	17.711	2480	2489	2493	rBV2	95233	194462	6.25%	0.437%
50	17.753	2494	2496	2502	rVV4	16784	28018	0.90%	0.063%
51	17.829	2505	2509	2515	rVV3	39512	66772	2.15%	0.150%
52	17.894	2516	2520	2528	rVB3	41218	66292	2.13%	0.149%
53	18.105	2553	2556	2560	rVB2	20842	26369	0.85%	0.059%
54	18.187	2565	2570	2574	rVV	188682	322836	10.37%	0.726%
55	18.234	2574	2578	2583	rVV	278417	447494	14.38%	1.006%
56	18.317	2587	2592	2596	rVV	82220	120567	3.87%	0.271%
57	18.381	2597	2603	2607	rVV2	250557	482215	15.49%	1.084%
58	18.417	2607	2609	2615	rVB	151500	194540	6.25%	0.438%
59	18.622	2641	2644	2649	rBV6	15924	28456	0.91%	0.064%
60	18.687	2650	2655	2658	rBV	175481	258654	8.31%	0.582%
61	18.722	2658	2661	2666	rVB	207669	281559	9.05%	0.633%
62	18.934	2693	2697	2701	rBV	56202	68952	2.22%	0.155%
63	18.981	2702	2705	2709	rVV	53760	74941	2.41%	0.169%
64	19.022	2709	2712	2716	rVB	50093	64247	2.06%	0.144%
65	19.104	2721	2726	2730	rBV	171111	268305	8.62%	0.603%
66	19.239	2745	2749	2758	rVB	168928	295321	9.49%	0.664%
67	19.368	2765	2771	2777	rVB	1817969	2685991	86.31%	6.041%
68	19.427	2778	2781	2783	rBV	41425	43254	1.39%	0.097%
69	19.462	2784	2787	2791	rVB2	66921	95586	3.07%	0.215%
70	19.515	2792	2796	2799	rBV	81788	104732	3.37%	0.236%
71	19.562	2799	2804	2807	rBV	72307	115535	3.71%	0.260%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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	19.603	2809	2811	2815	rVV	35941	43913	1.41%	0.099%
73	19.697	2821	2827	2829	rBV2	1250595	1850712	59.47%	4.162%
74	19.727	2829	2832	2840	rVV	1812137	2511704	80.71%	5.649%
75	19.797	2840	2844	2851	rVB2	115972	210452	6.76%	0.473%
76	19.903	2858	2862	2868	rVB	108098	153032	4.92%	0.344%
77	19.962	2868	2872	2878	rVB2	80461	126985	4.08%	0.286%
78	20.050	2881	2887	2893	rBV3	173853	466279	14.98%	1.049%
79	20.179	2906	2909	2912	rBV3	103285	177327	5.70%	0.399%
80	20.214	2912	2915	2922	rVB2	265785	391409	12.58%	0.880%
81	20.320	2929	2933	2936	rBV	116467	158078	5.08%	0.356%
82	20.373	2937	2942	2947	rVB4	237200	401535	12.90%	0.903%
83	20.455	2953	2956	2961	rBV4	59055	93498	3.00%	0.210%
84	20.514	2963	2966	2969	rVV	142453	183345	5.89%	0.412%
85	20.561	2971	2974	2978	rVB	140281	190231	6.11%	0.428%
86	20.972	3040	3044	3050	rVB	254827	374982	12.05%	0.843%
87	21.149	3069	3074	3078	rBV2	129754	252213	8.10%	0.567%
88	21.196	3078	3082	3084	rVV	164581	239083	7.68%	0.538%
89	21.225	3084	3087	3094	rVV4	385580	780649	25.08%	1.756%
90	21.296	3095	3099	3107	rVB	244717	416773	13.39%	0.937%
91	21.548	3136	3142	3148	rBV3	1249214	3112127	100.00%	6.999%
92	21.607	3148	3152	3164	rVB	926155	1651631	53.07%	3.714%
93	21.760	3175	3178	3183	rBV3	81329	145152	4.66%	0.326%
94	22.271	3263	3265	3271	rVB	195223	290846	9.35%	0.654%
95	22.353	3274	3279	3287	rVB5	163473	434361	13.96%	0.977%
96	23.699	3500	3508	3515	rBV	688648	2202934	70.79%	4.954%
97	24.392	3620	3626	3632	rBV	323853	819264	26.32%	1.842%
98	24.468	3633	3639	3644	rVV	461370	1159905	37.27%	2.609%
99	24.533	3645	3650	3660	rVB	565116	1447019	46.50%	3.254%
100	24.680	3667	3675	3682	rBV	497373	1363603	43.82%	3.067%

Sum of corrected areas: 44465963

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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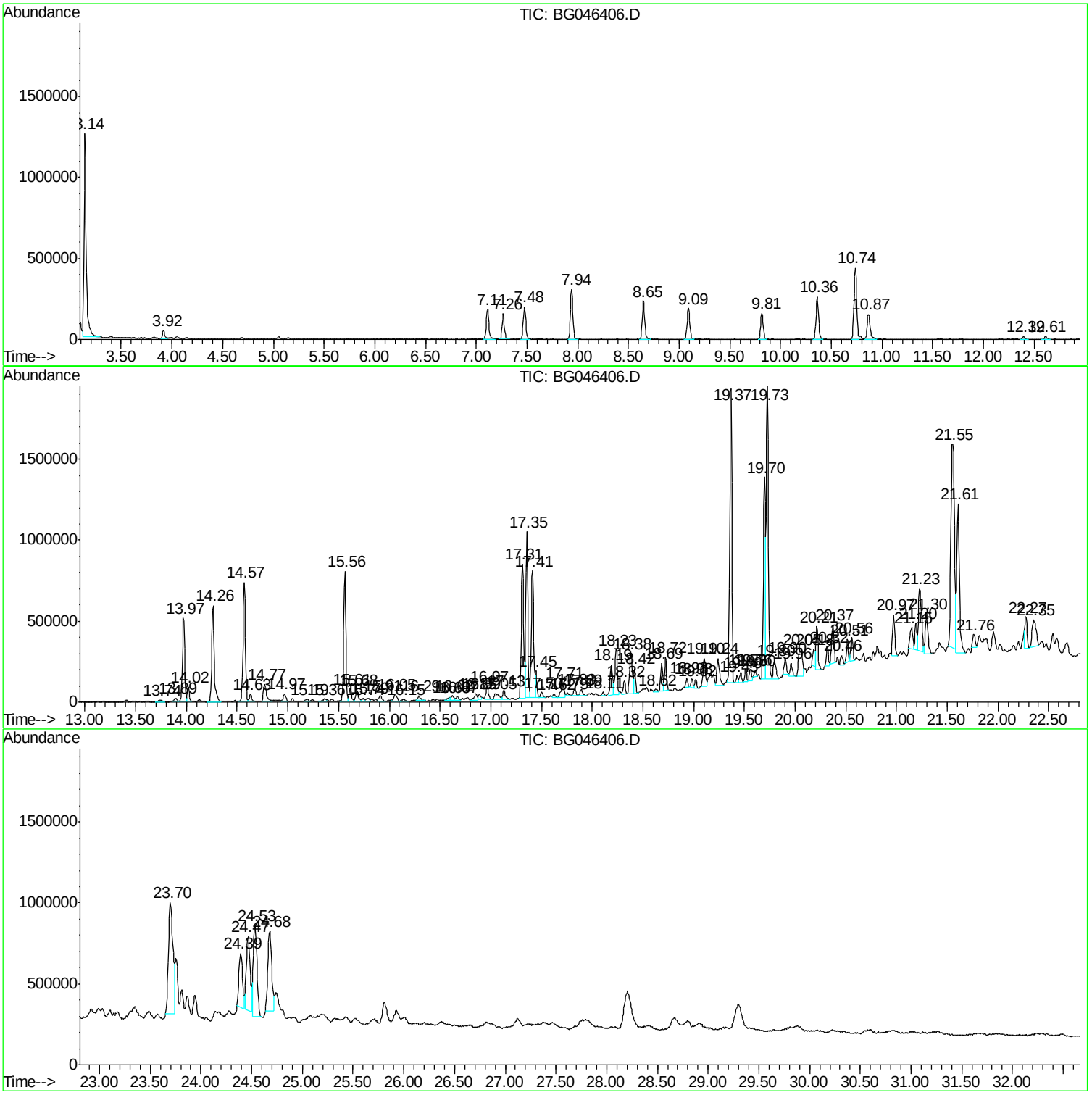
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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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Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

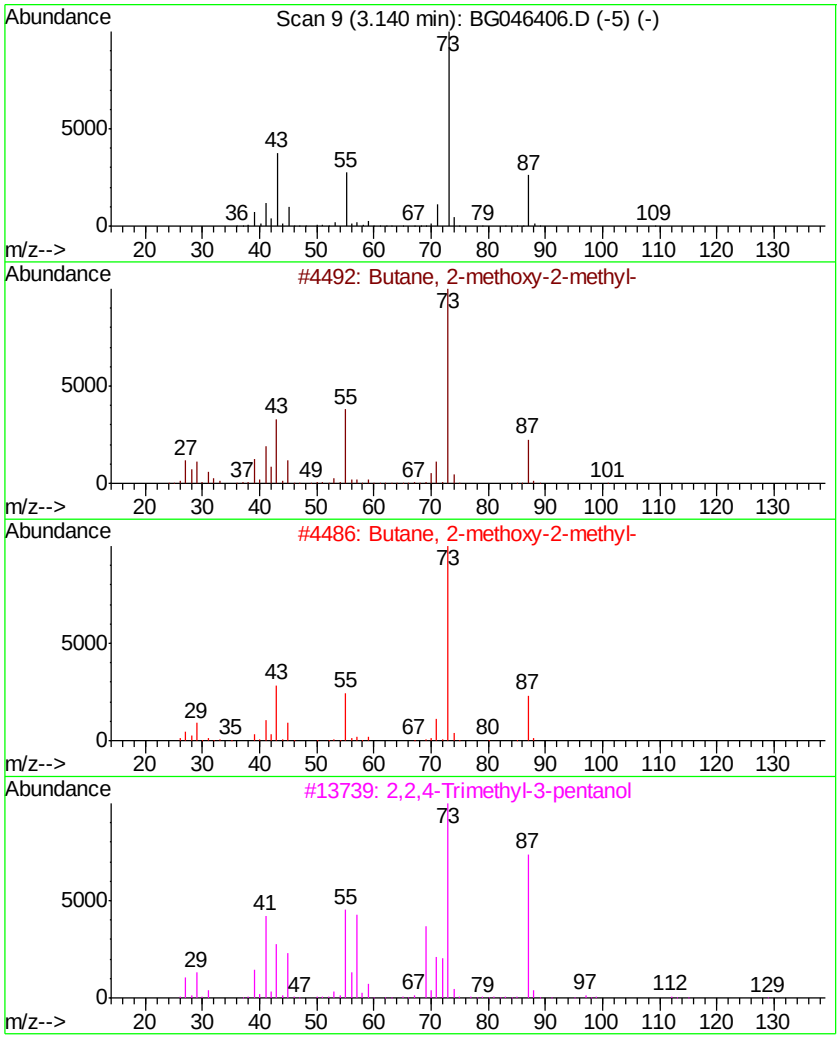
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

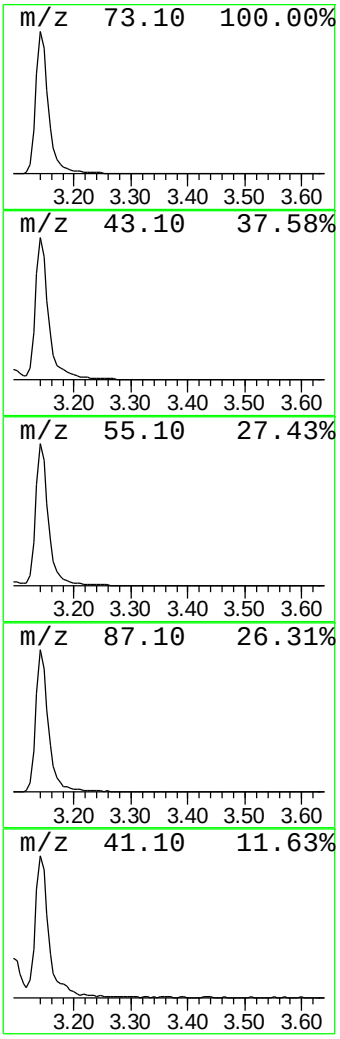
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	77.50 ng/ul	2009310	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046406.D
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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

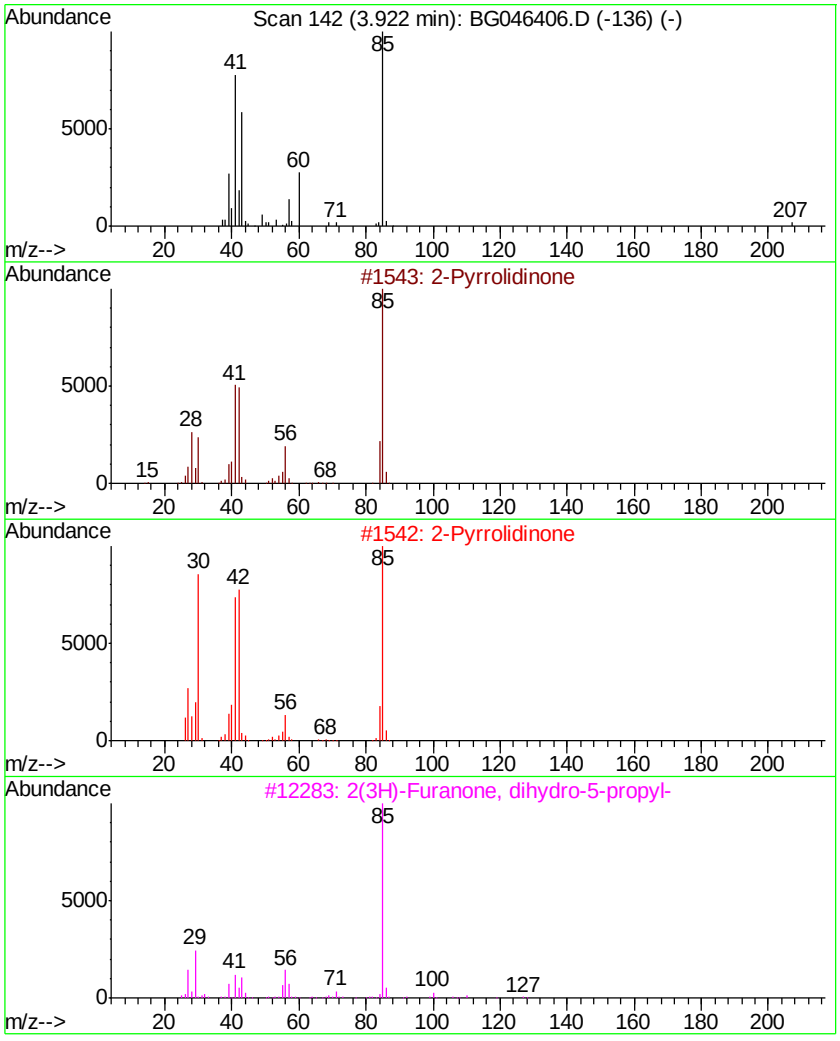
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

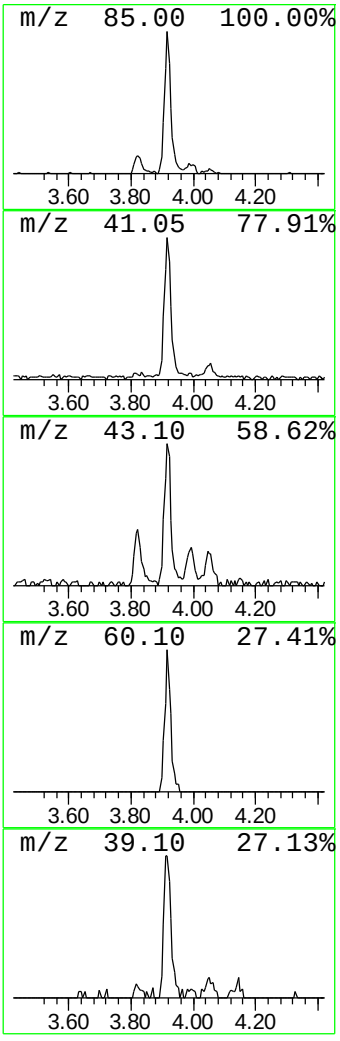
****

Peak Number 2 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	2.72 ng/ul	70413	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
3	2(3H)-Furanone, dihydro-5-propyl-	128	C7H12O2	000105-21-5	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	5
5	Methacrylamide	85	C4H7NO	000079-39-0	4





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Instrument : BNA_G
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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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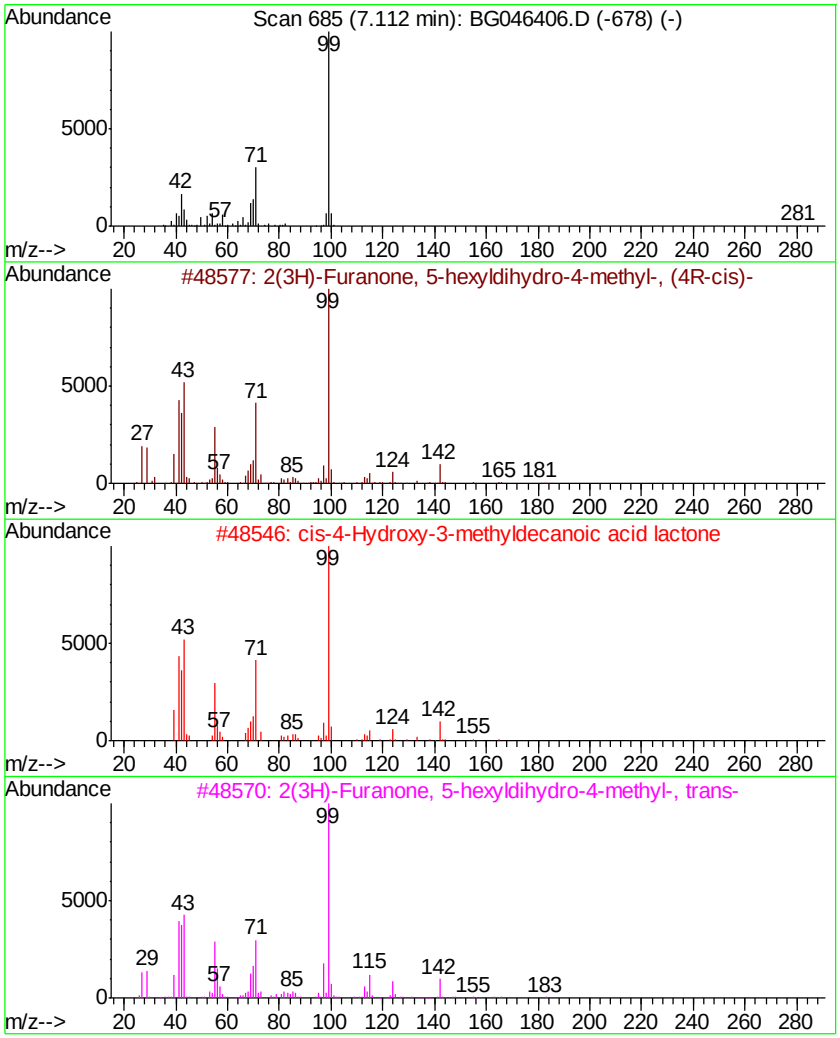
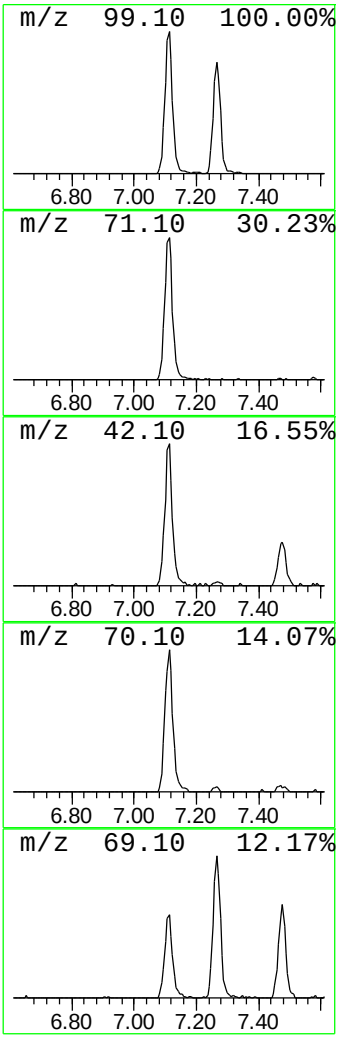
Peak Number 3 2(3H)-Furanone, 5-hexyldihy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	12.93 ng/ul	335218	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	121644-12-0	64
2	cis-4-Hydroxy-3-methyldecanoic a...	184	C11H20O2	147254-32-8	64
3	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	147254-33-9	56
4	Hexanoic acid, 3-tetradecyl ester	312	C20H40O2	1000279-29-7	56
5	Hexanoic acid, 5-tridecyl ester	298	C19H38O2	1000279-29-4	56





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Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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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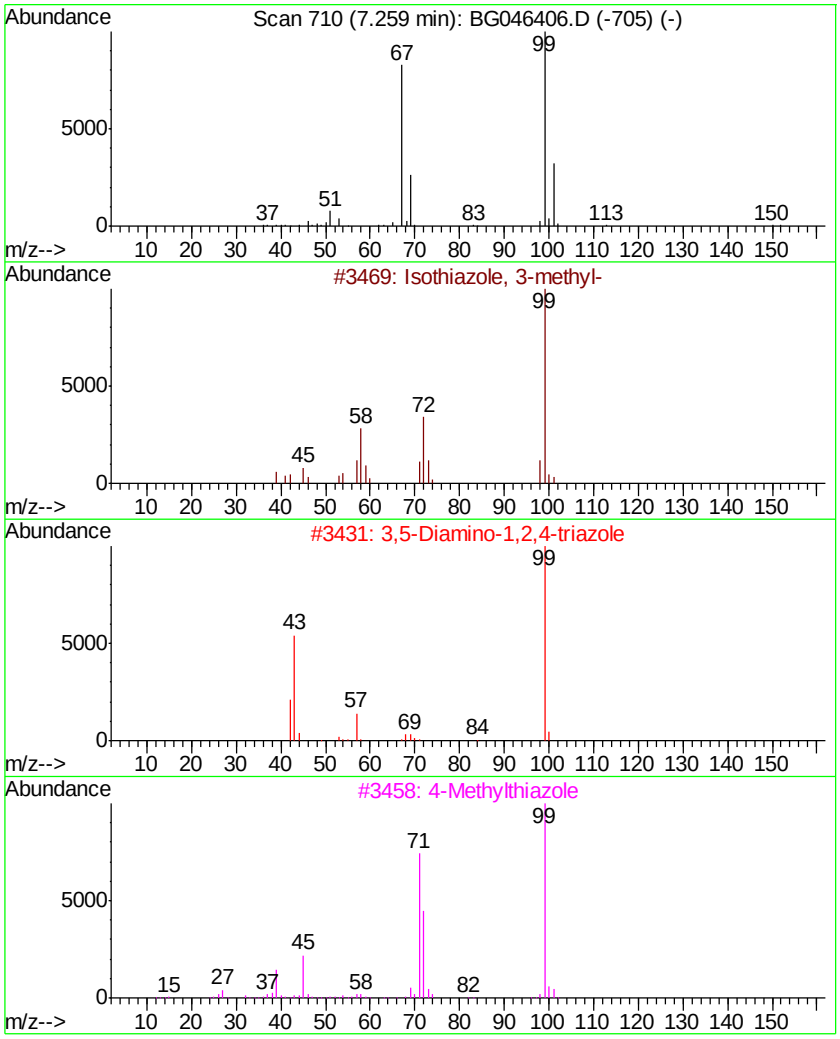
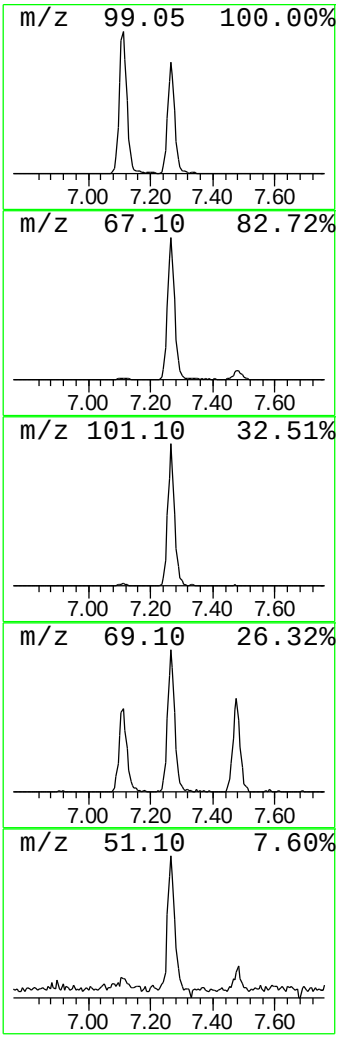
Peak Number 4 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	9.69 ng/ul	251301	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	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
3	4-Methylthiazole	99	C4H5NS	000693-95-8	9
4	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9
5	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9





Library Search Compound Report

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Data File : BG046406.D
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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

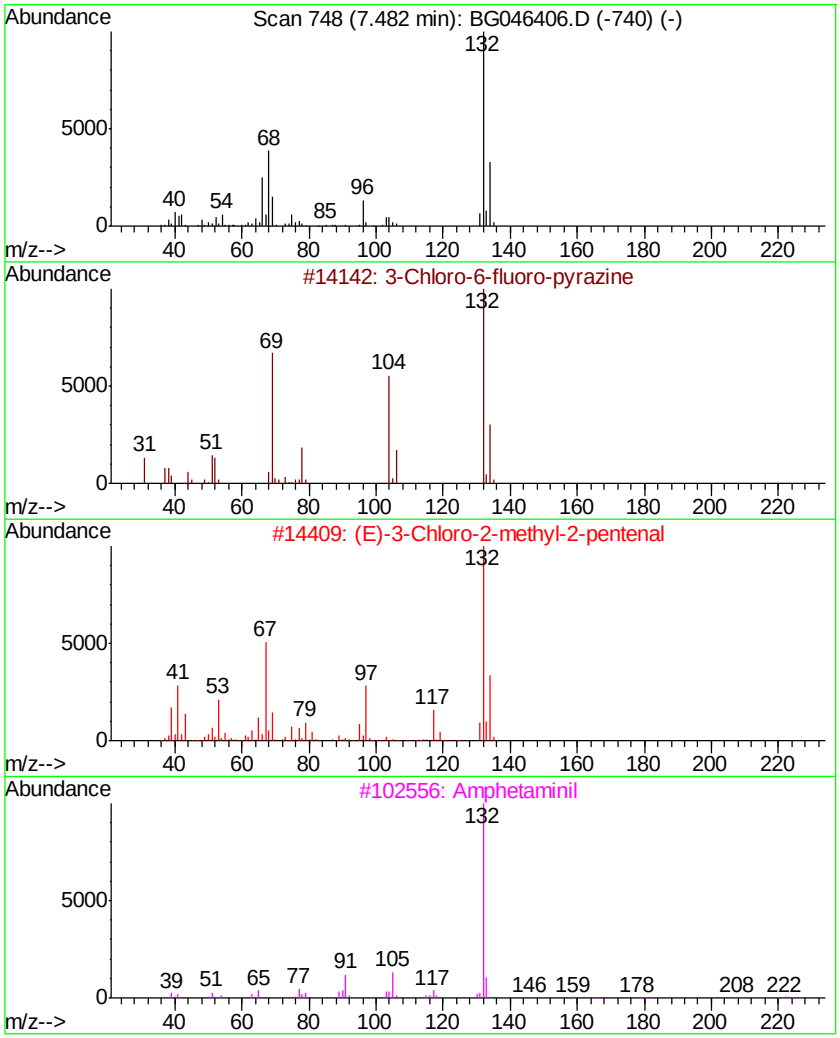
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

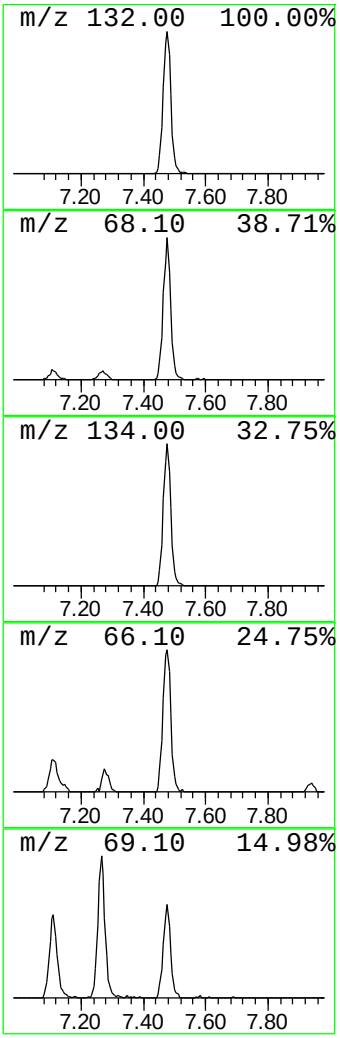
****

Peak Number 5 unknown-03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	13.12 ng/ul	340058	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

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Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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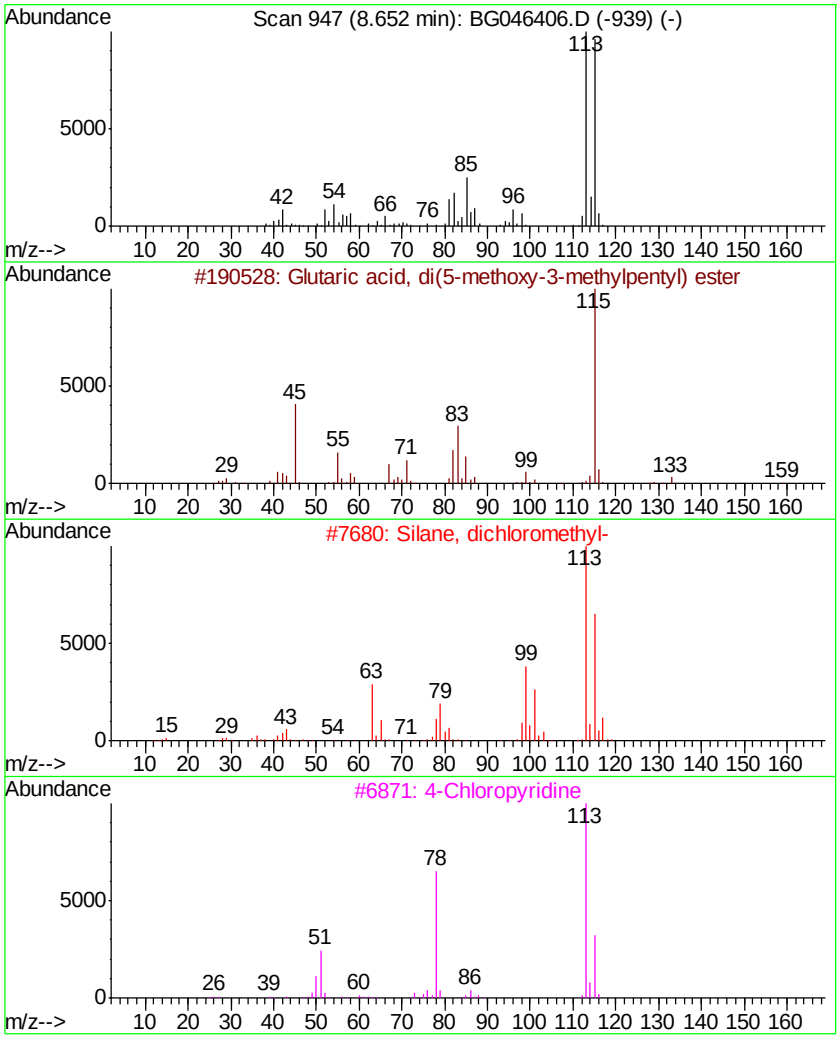
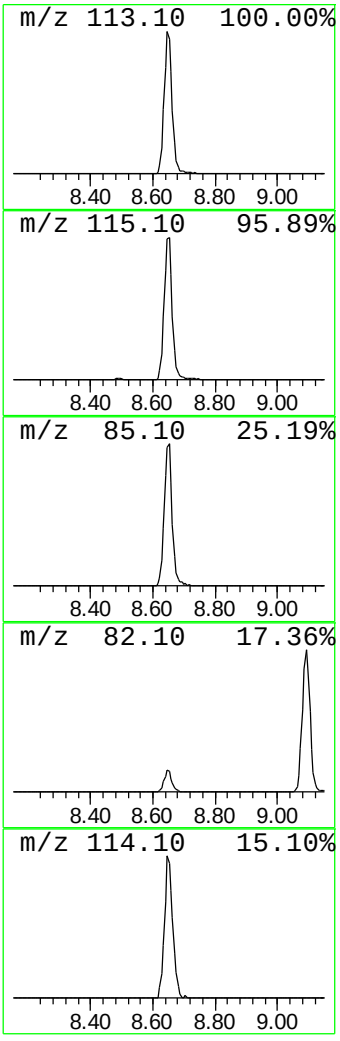
Peak Number 6 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	16.25 ng/ul	421411	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	38
2	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
3	4-Chloropyridine	113	C5H4ClN	000626-61-9	32
4	2-Pyrrolidinethione, 1-methyl-	115	C5H9NS	010441-57-3	25
5	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	25





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Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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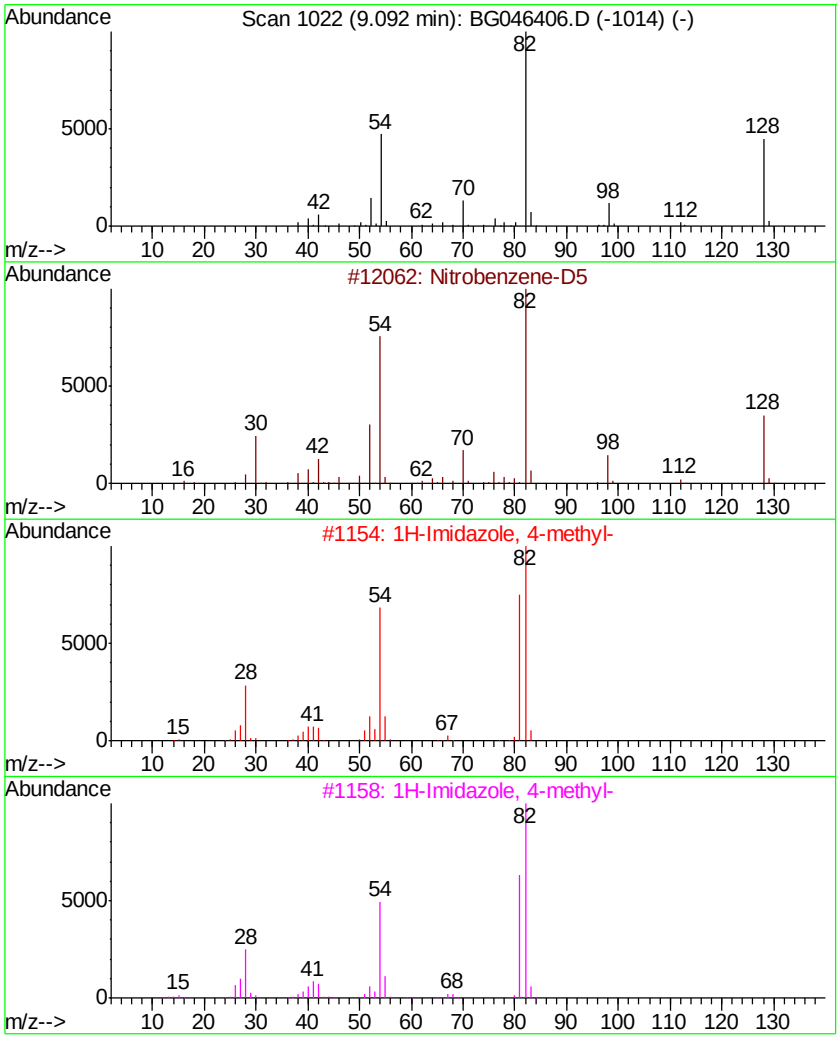
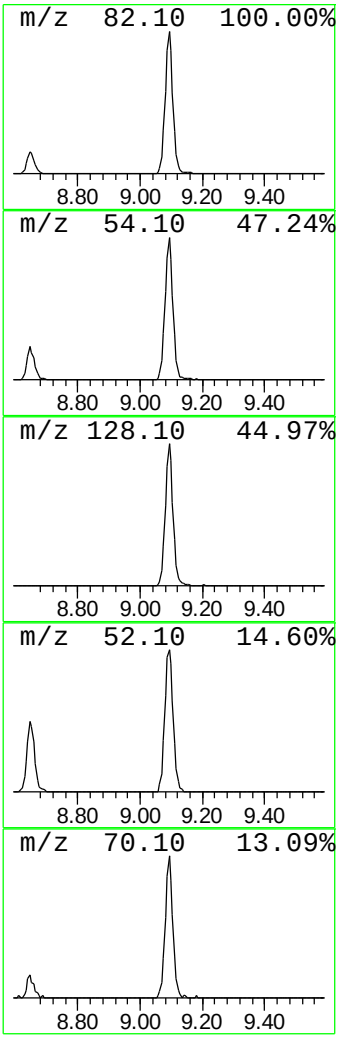
Peak Number 7 1H-Imidazole, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	13.00 ng/ul	336944	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	90
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
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 : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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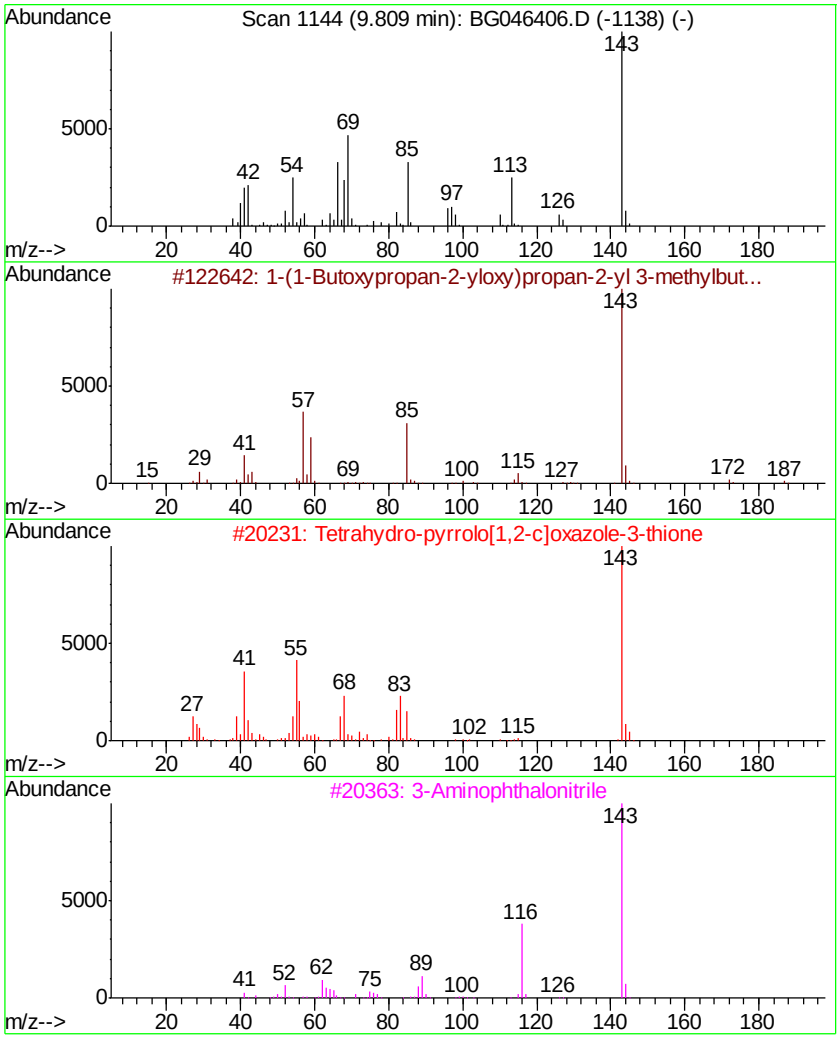
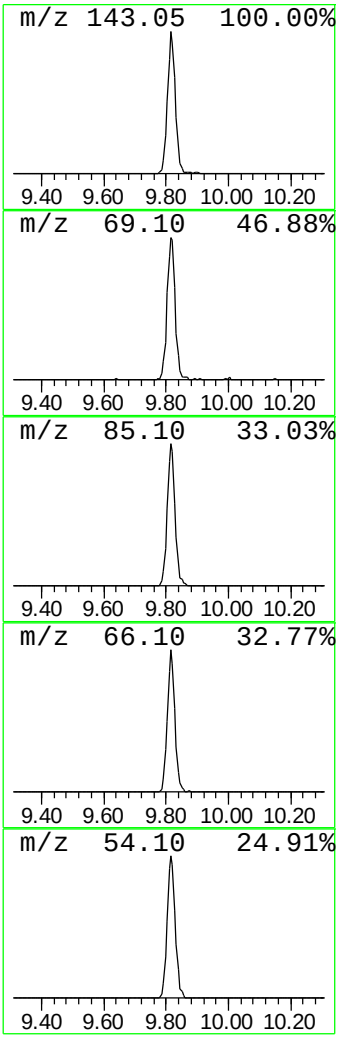
Peak Number 8 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	7.24 ng/ul	283779	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	22
2	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
3	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	14
4	3H-1,2,4-Triazole-3-thione,2,4-d...	143	C5H9N3S	037526-42-4	12
5	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	12





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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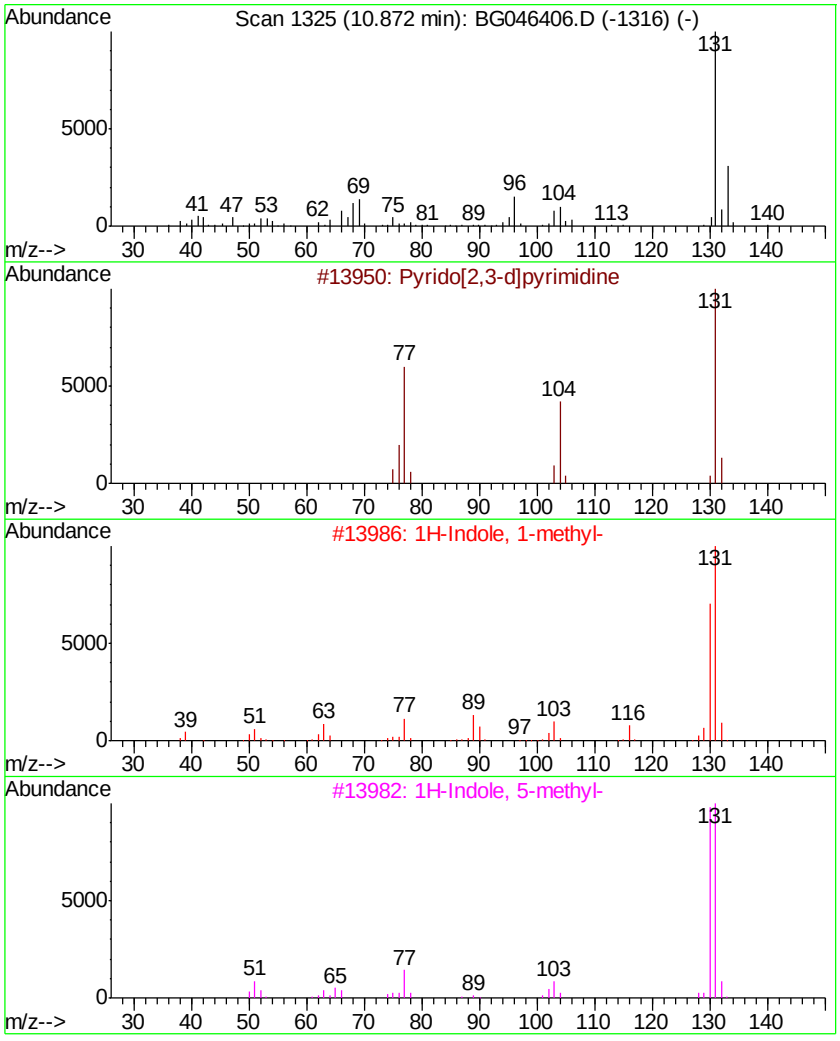
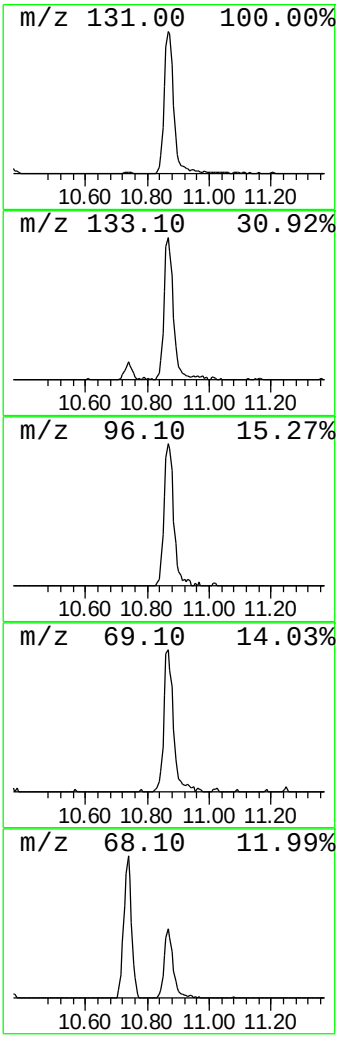
Peak Number 9 unknown-06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	8.19 ng/ul	321040	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	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
3	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	28
4	4-Pentenoic acid, 2,2-diethyl-3-...	274	C17H22O3	337503-48-7	25
5	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9





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Misc :
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ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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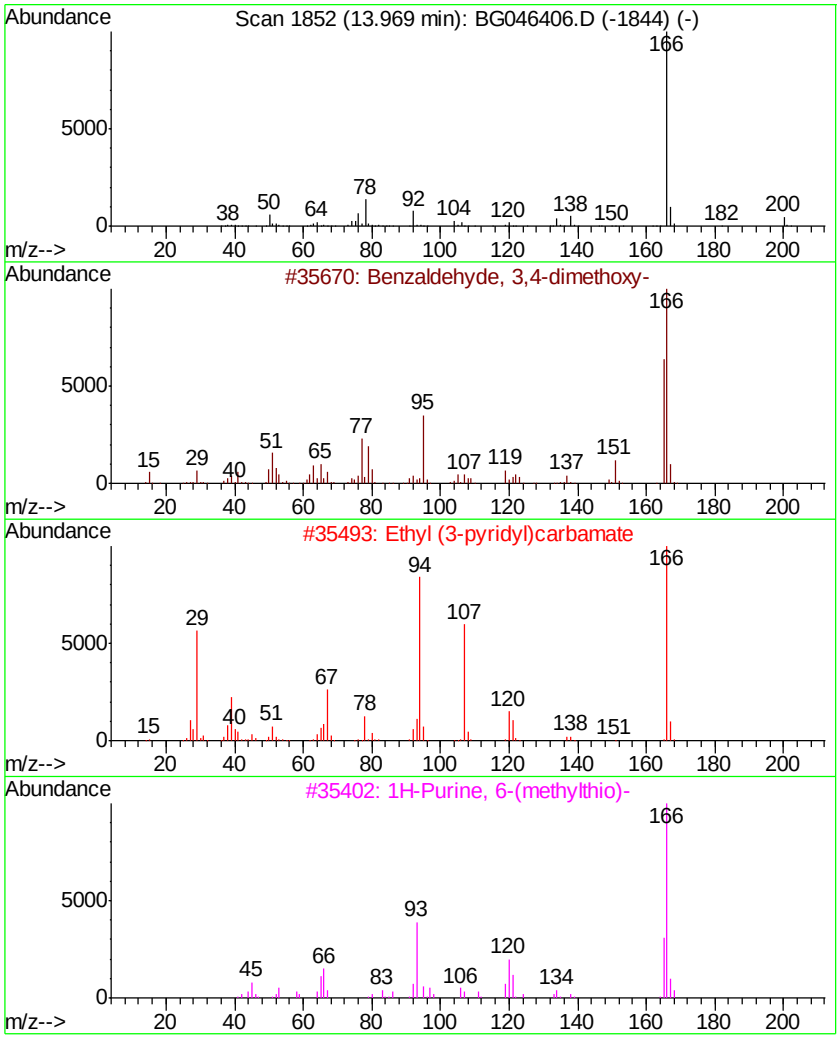
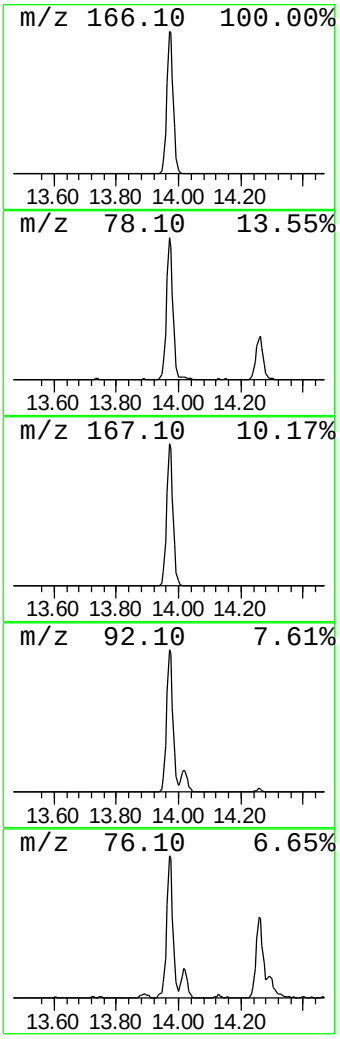
Peak Number 10 unknown-07 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	13.68 ng/ul	769142	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	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
4	1H-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
5	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38





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Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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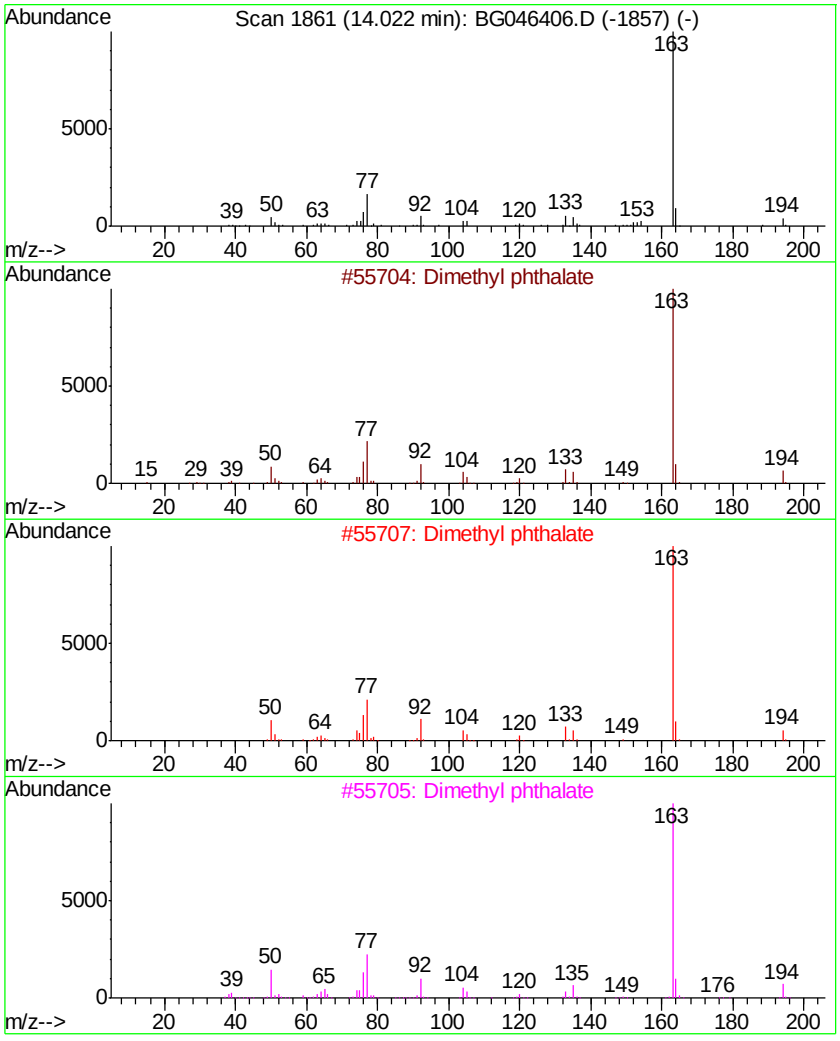
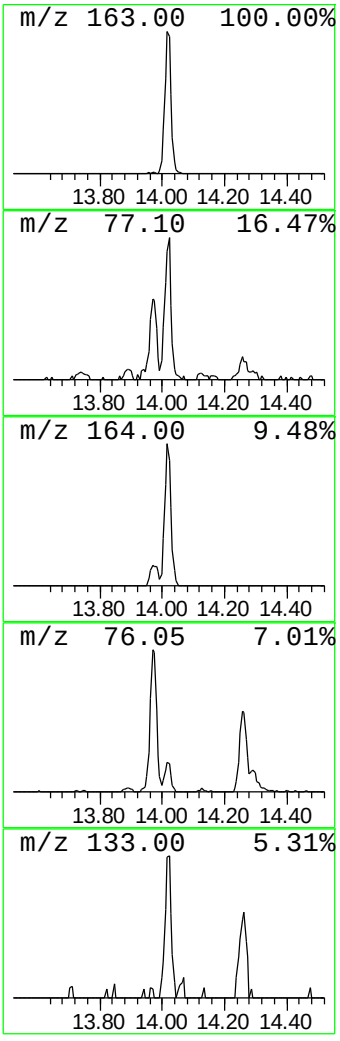
Peak Number 11 Dimethyl phthalate Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.26 ng/ul	126896	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	92
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
3	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
4	Phthalic acid, 4-bromophenyl met...	334	C15H11BrO4	1000315-66-6	83
5	Phthalic acid, methyl 2-nitrophe...	301	C15H11NO6	1000315-68-3	83





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Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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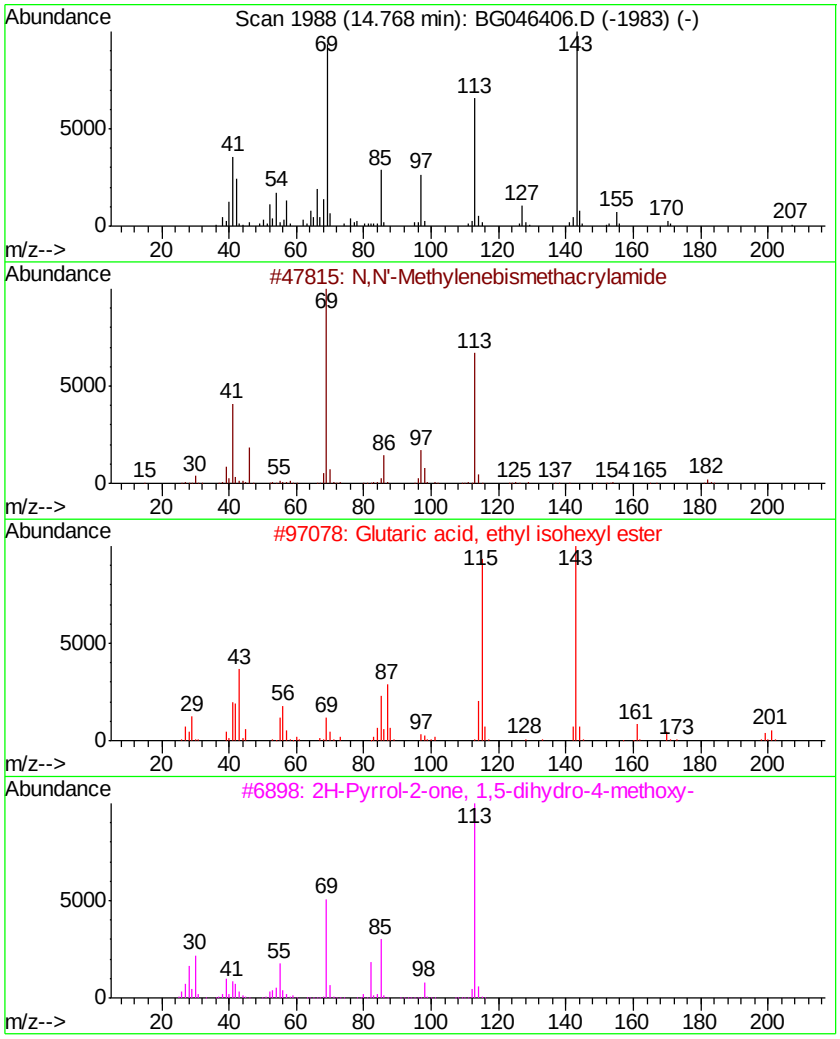
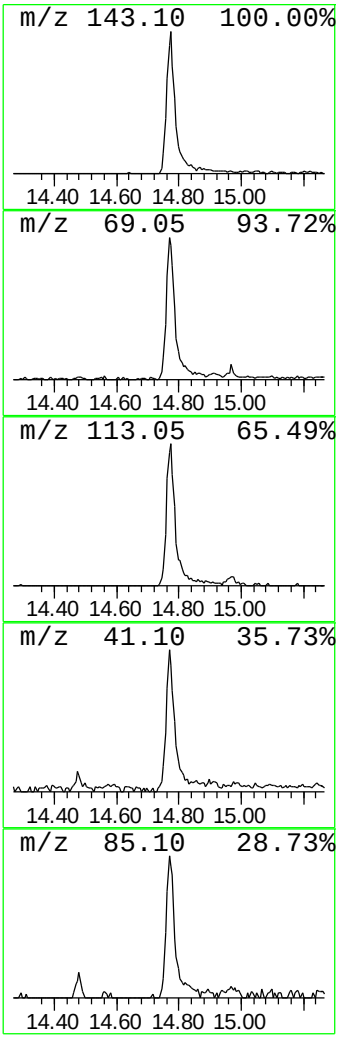
Peak Number 12 unknown-08 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	4.15 ng/ul	233148	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	16
2	Glutaric acid, ethyl isohexyl ester	244	C13H24O4	1000358-31-5	12
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	11
4	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	11
5	Butanamide, 3-hydroxy-N-(2-oxo-3...	200	C9H16N2O3	034655-85-1	10





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Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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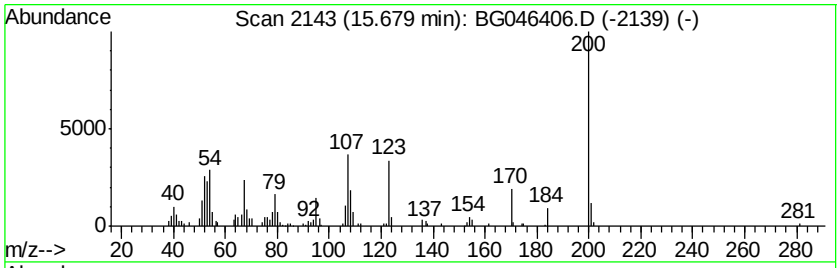
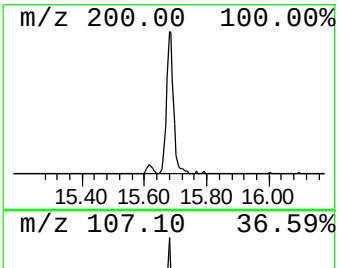
Peak Number 13 unknown-09 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.15 ng/ul	120699	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenyl-1,6-dihydro-furo[3,4-d]...	200	C11H8N2O2	313263-12-6	27
2	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	27
3	Phosphine, methyldiphenyl-	200	C13H13P	001486-28-8	27
4	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	22
5	Sulfamerazine	264	C11H12N4O2S	000127-79-7	22





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Quant Title : SVOA CALIBRATION

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

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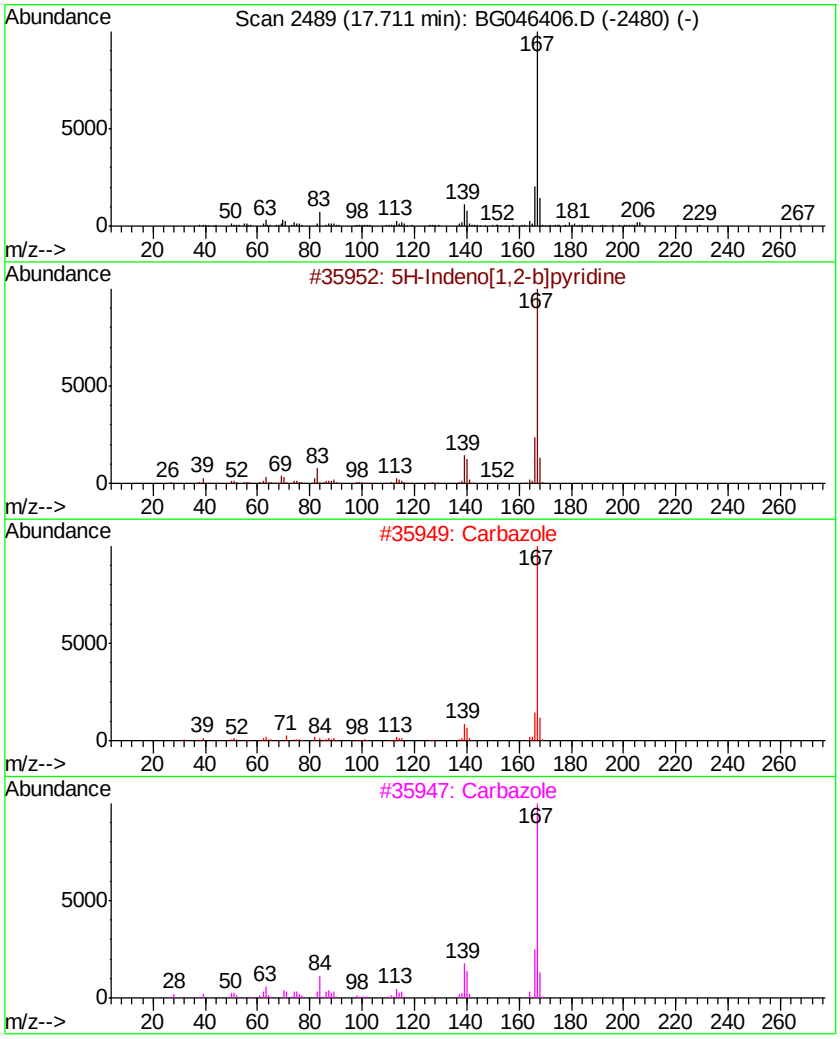
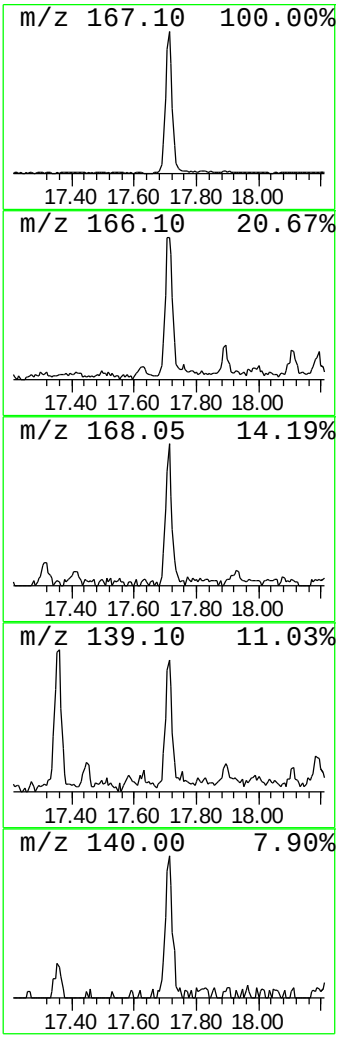
Peak Number 14 5H-Indeno[1,2-b]pyridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.89 ng/ul	194462	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	Carbazole	167	C12H9N	000086-74-8	90
3	Carbazole	167	C12H9N	000086-74-8	90
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	86
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	86





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Quant Title : SVOA CALIBRATION

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

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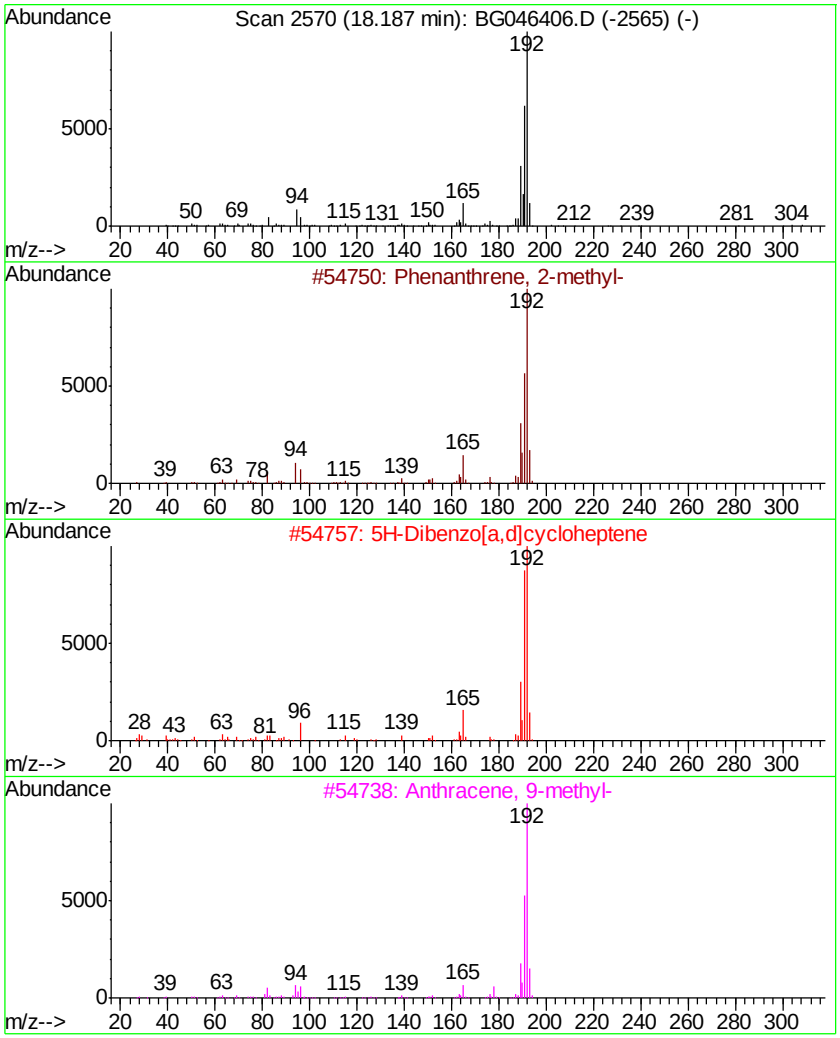
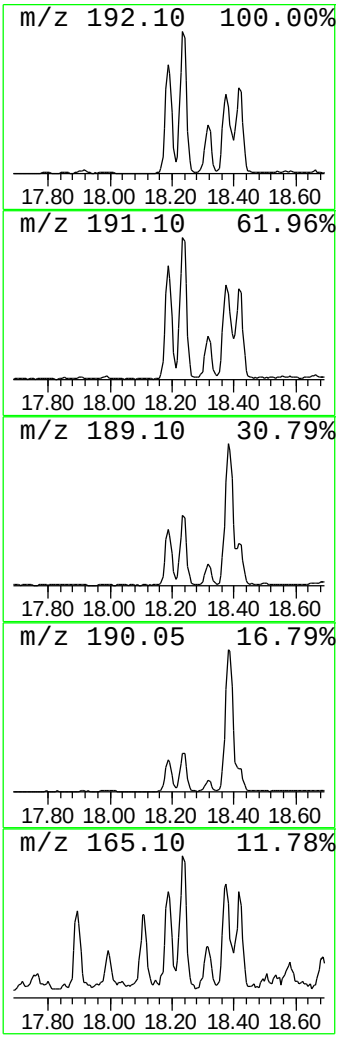
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	4.79 ng/ul	322836	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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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 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	6.64 ng/ul	447494	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
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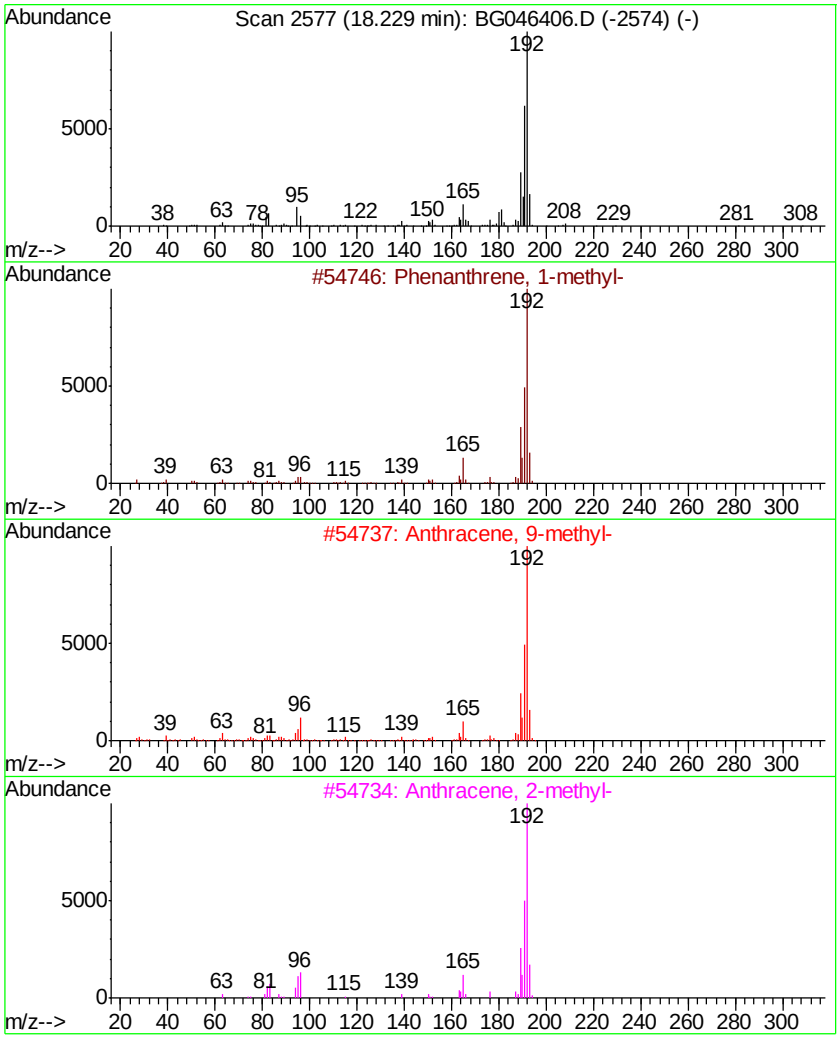

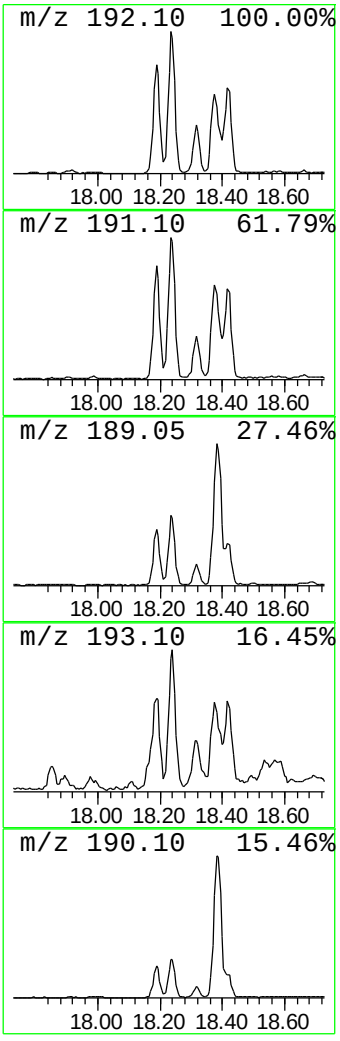

Library Search Compound Report

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Data File : BG046406.D
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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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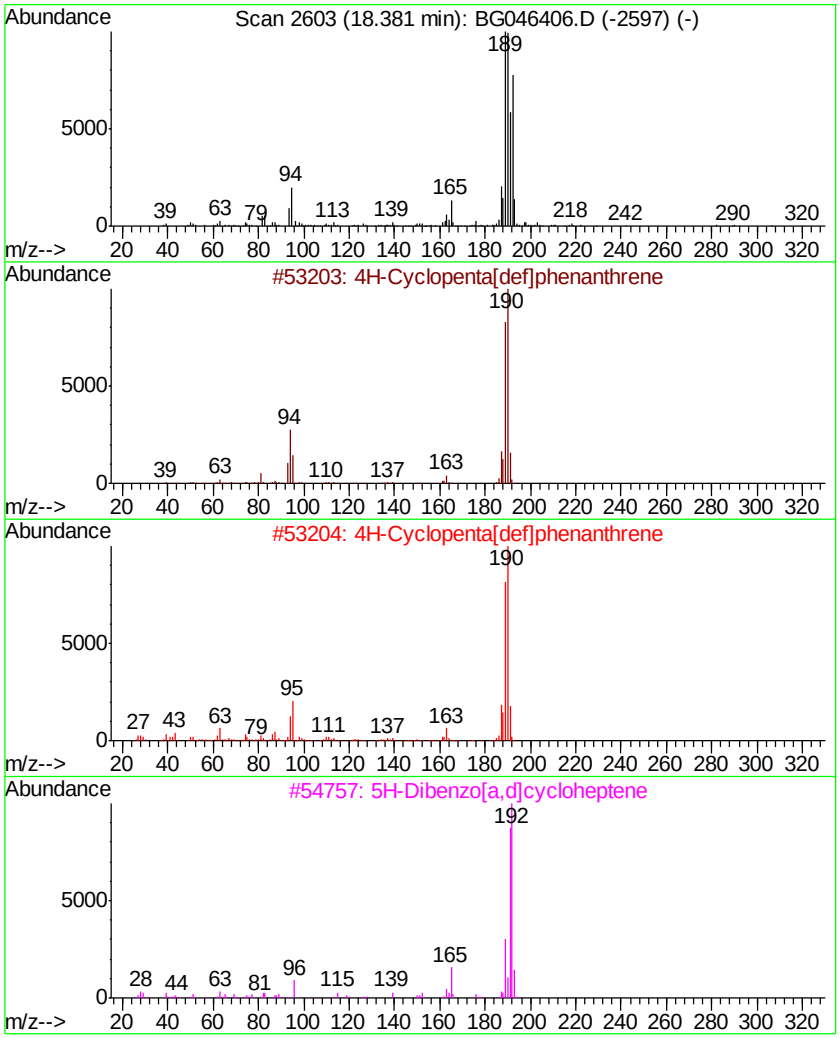
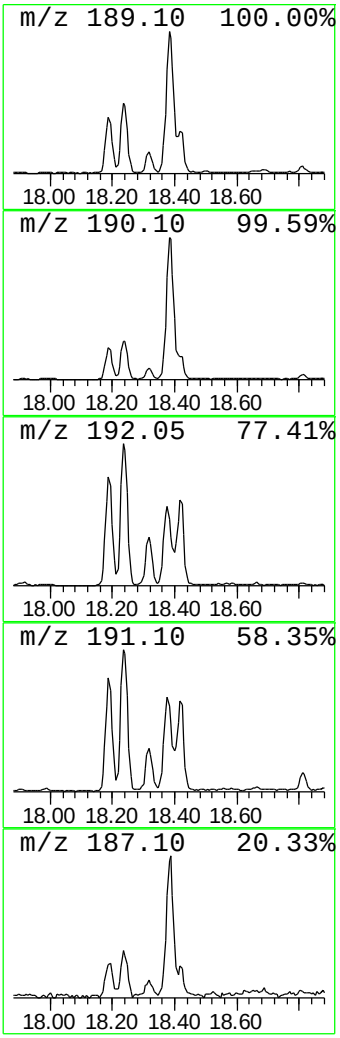
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	7.15 ng/ul	482215	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	41
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





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Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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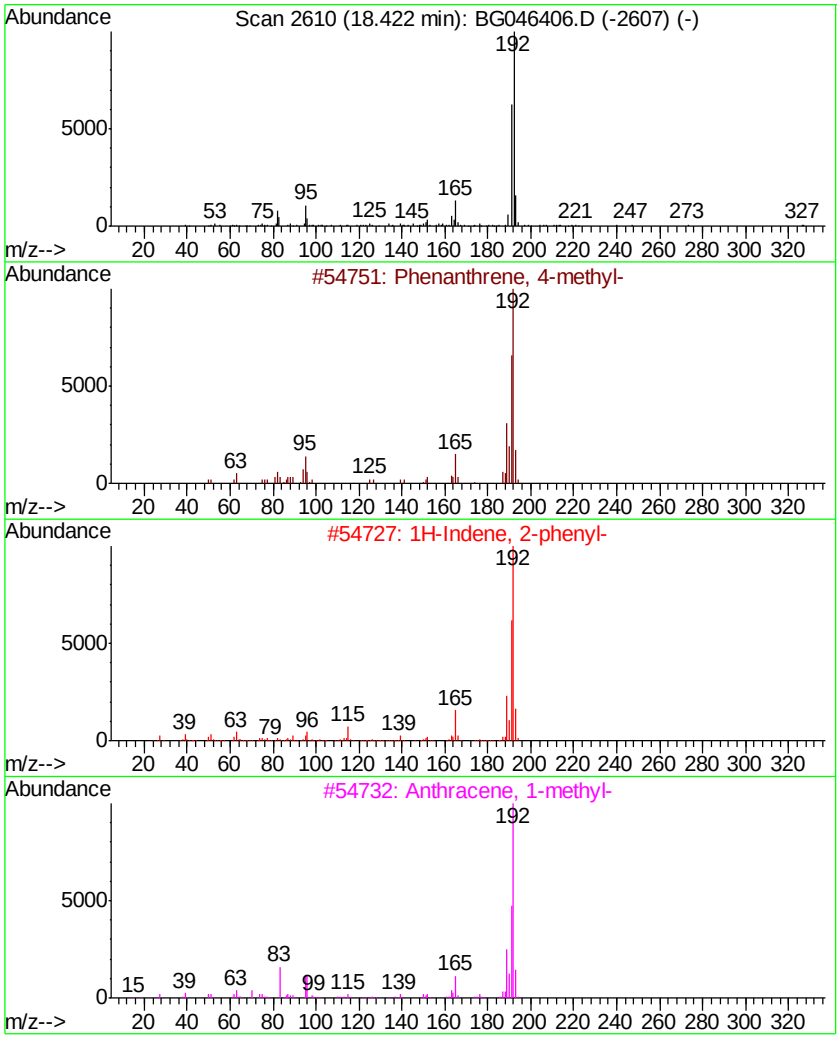
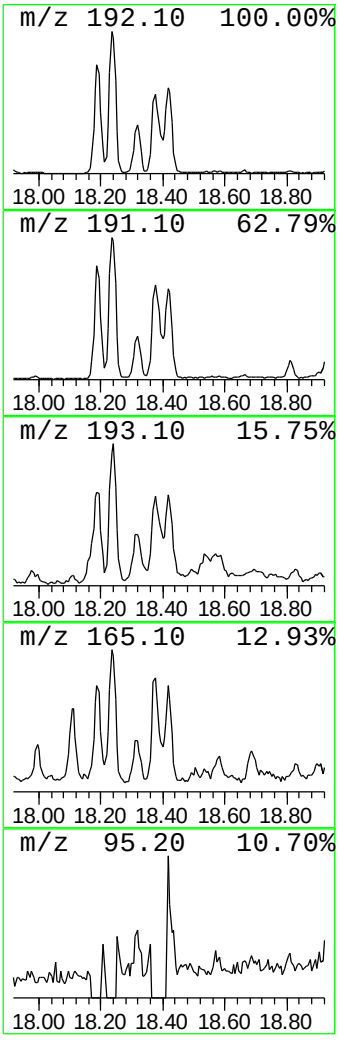
Peak Number 18 Phenanthrene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.89 ng/ul	194540	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

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Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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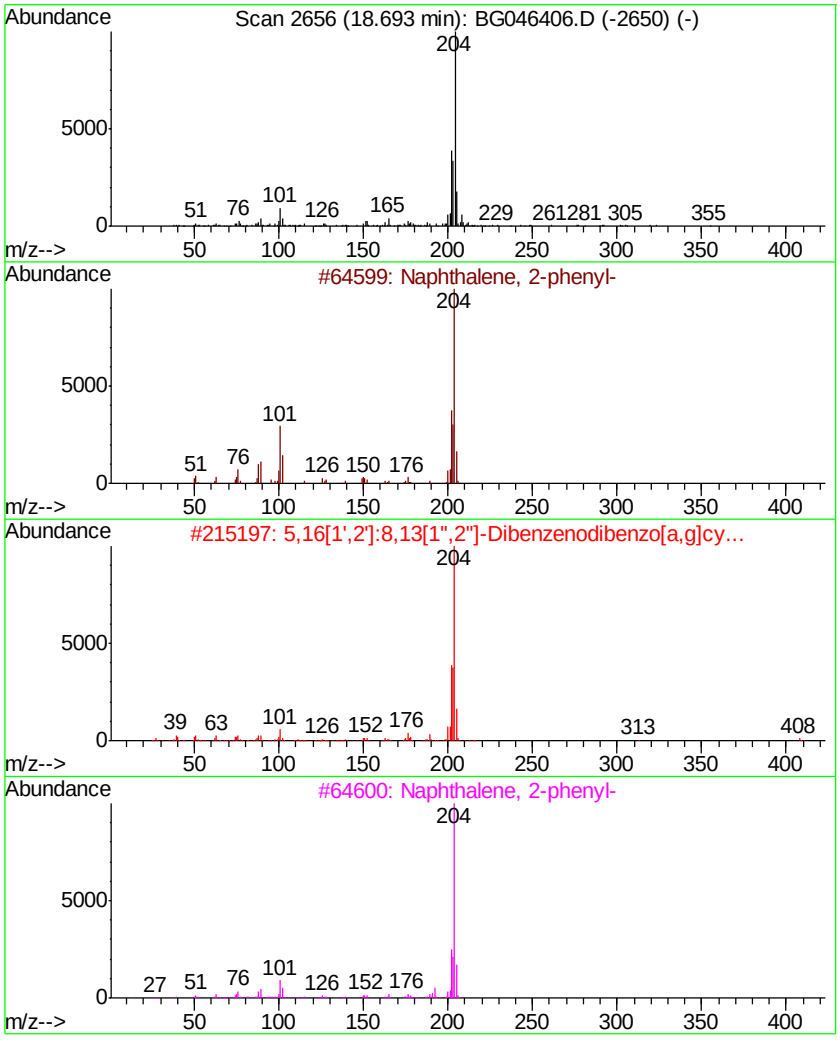
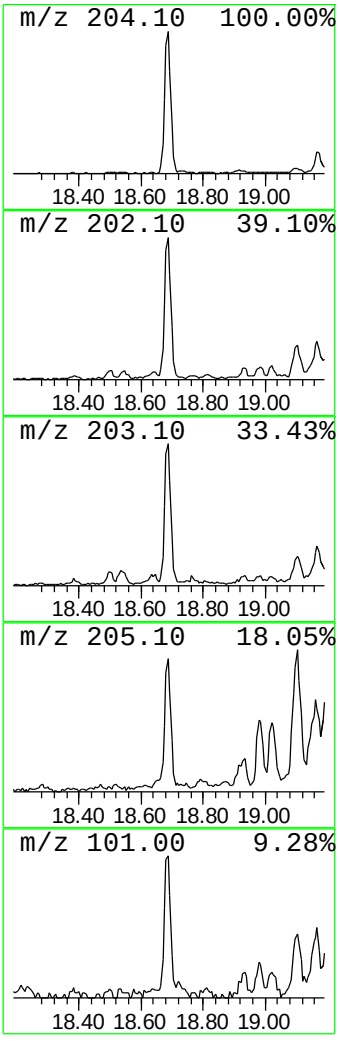
Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	3.84 ng/ul	258654	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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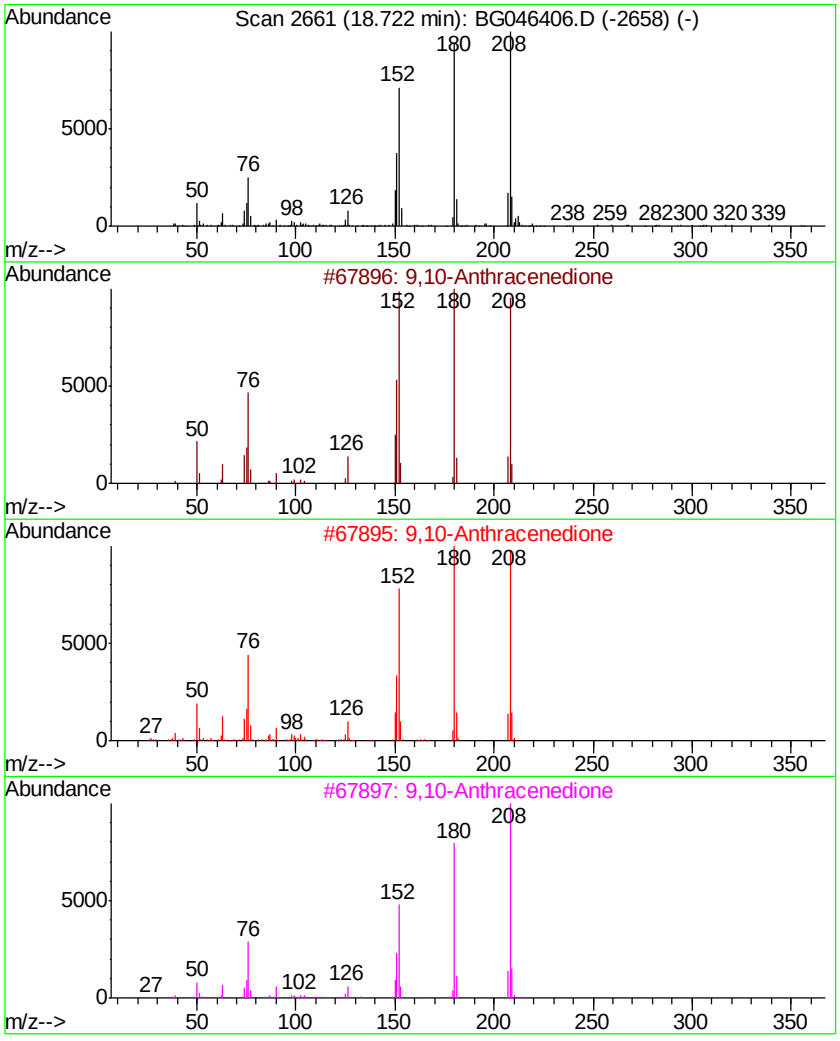
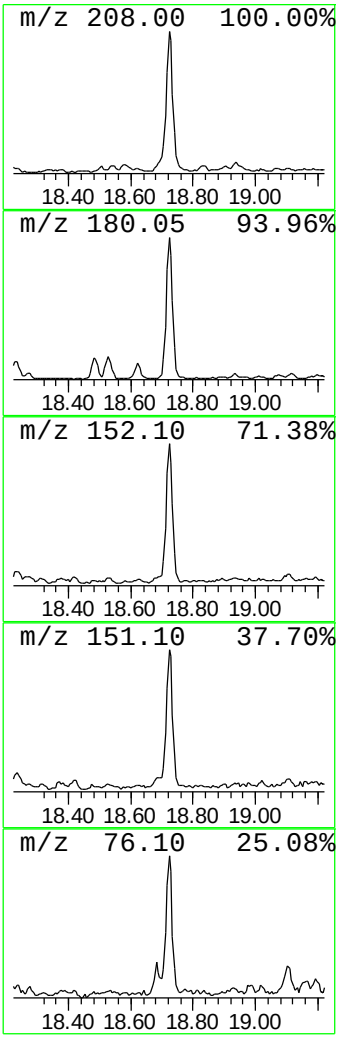
Peak Number 20 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	4.18 ng/ul	281559	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	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53





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Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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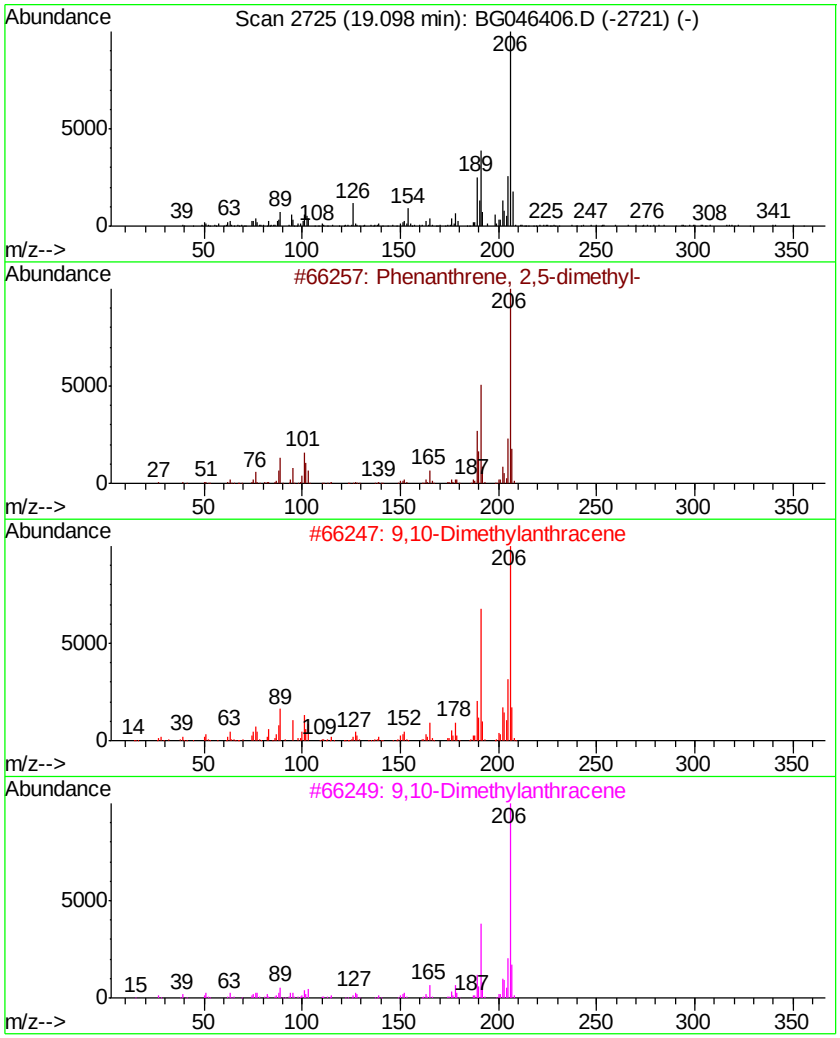
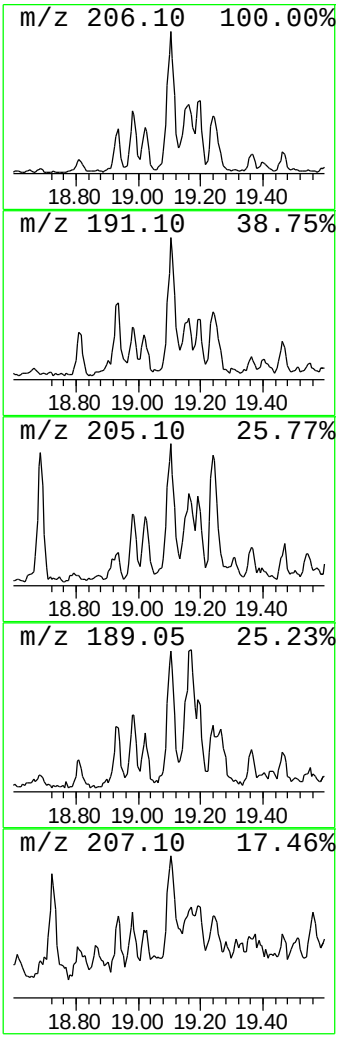
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.98 ng/ul	268305	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





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ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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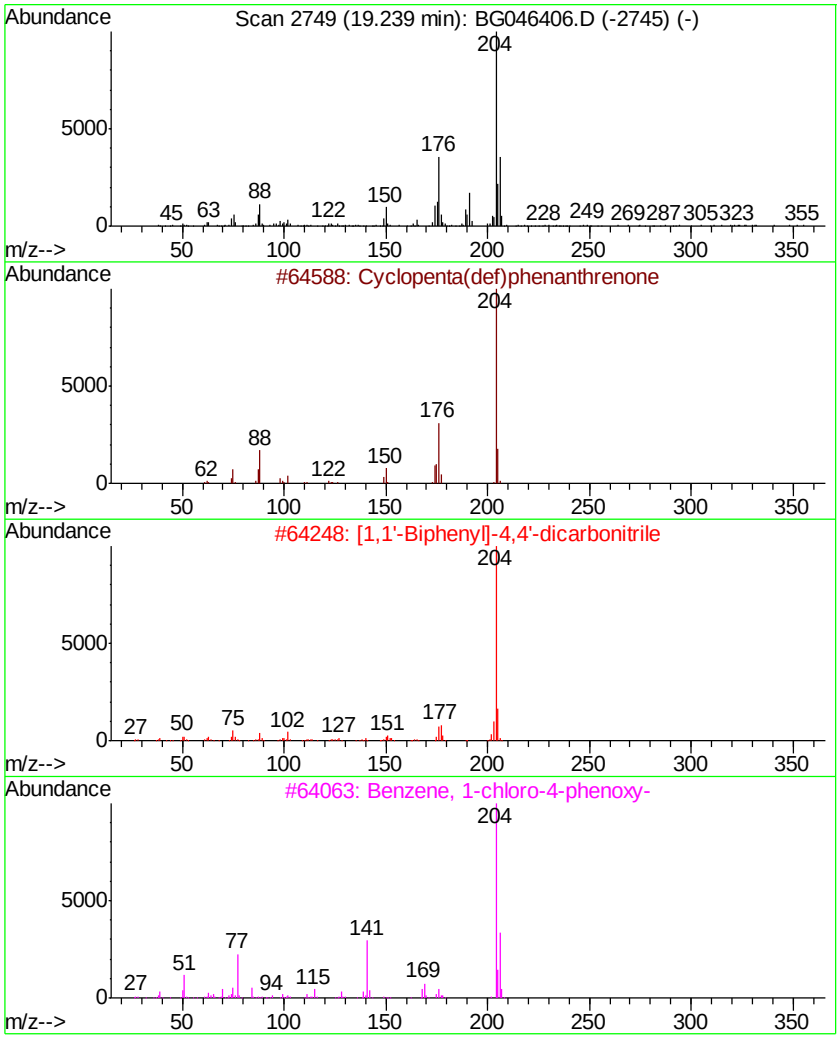
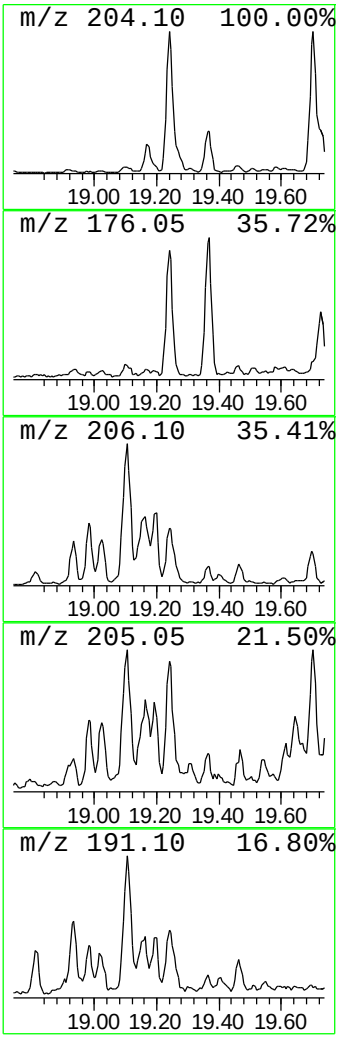
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	4.38 ng/ul	295321	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	52
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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

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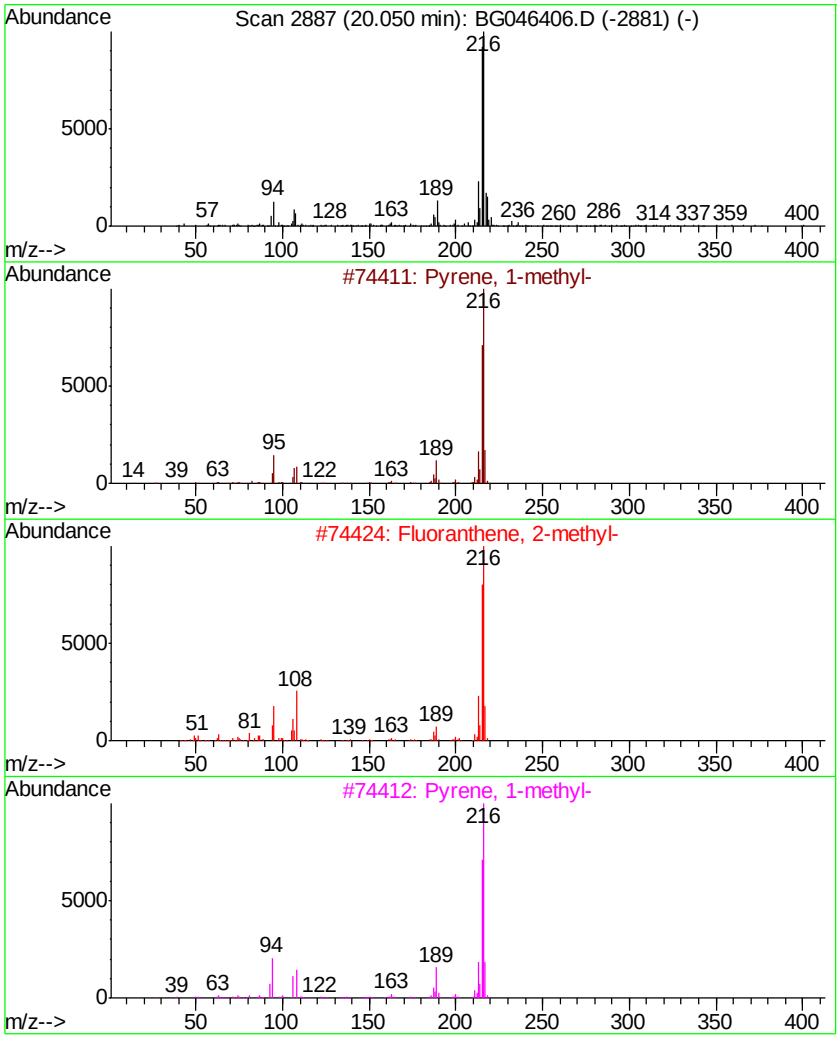
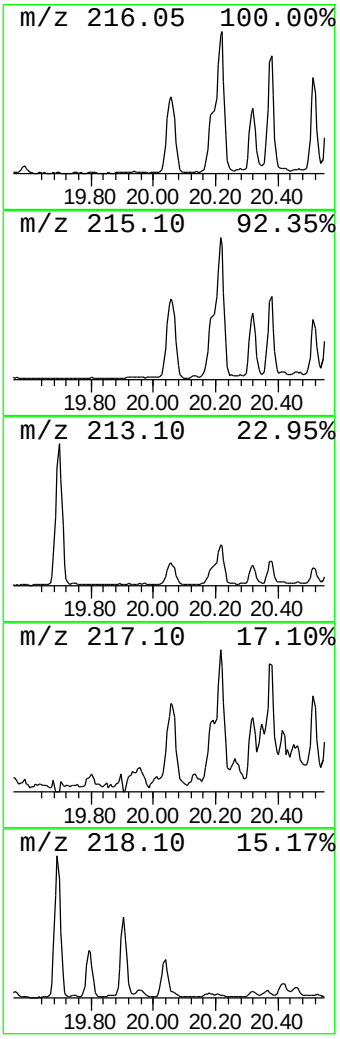
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	3.00 ng/ul	466279	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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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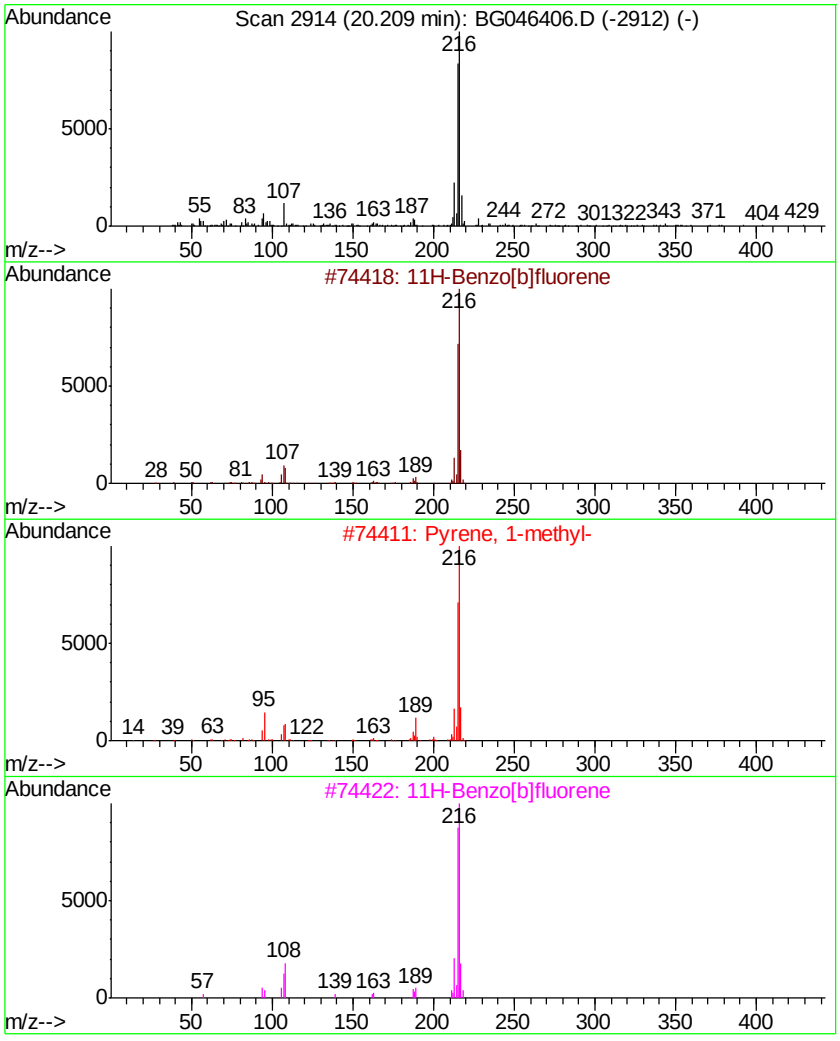
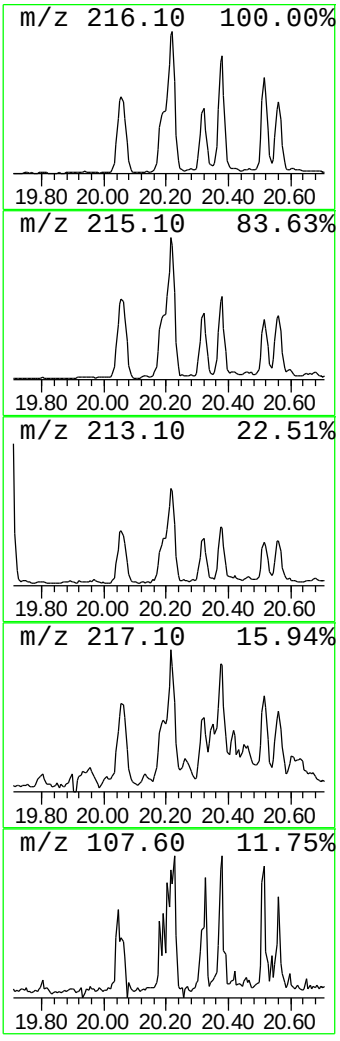
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.52 ng/ul	391409	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	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Instrument : BNA_G
ClientSampleId : BFMJ6

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Quant Title : SVOA CALIBRATION

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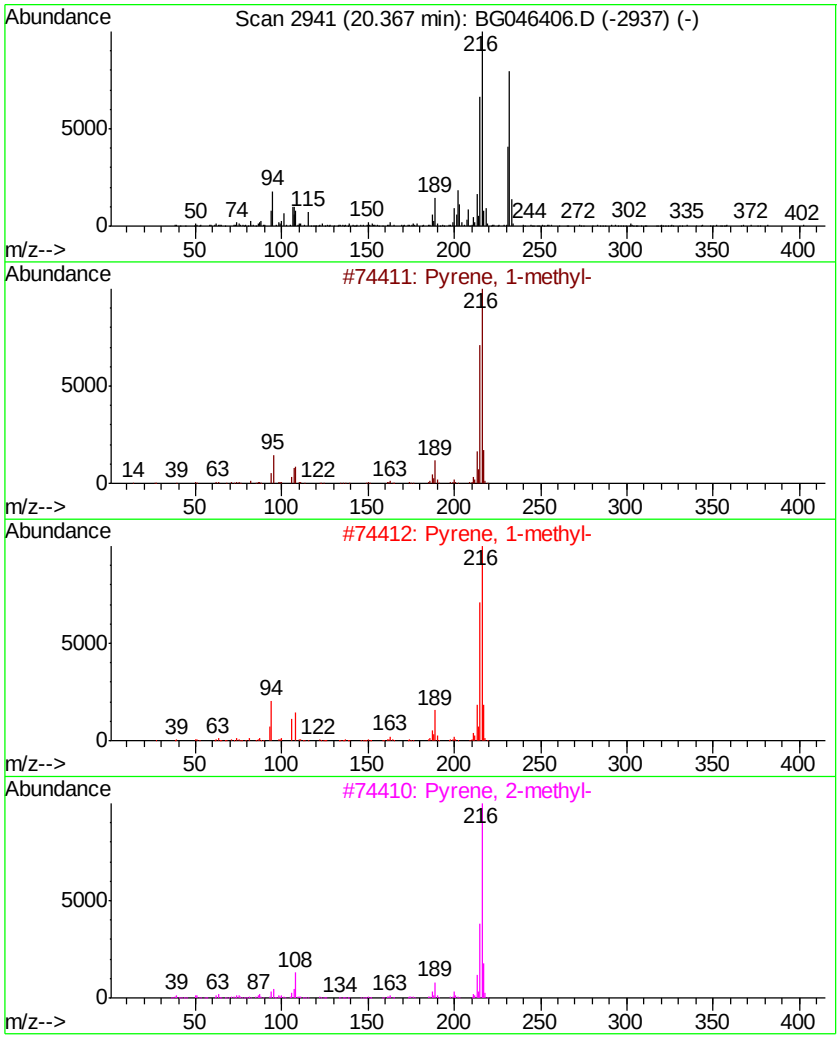
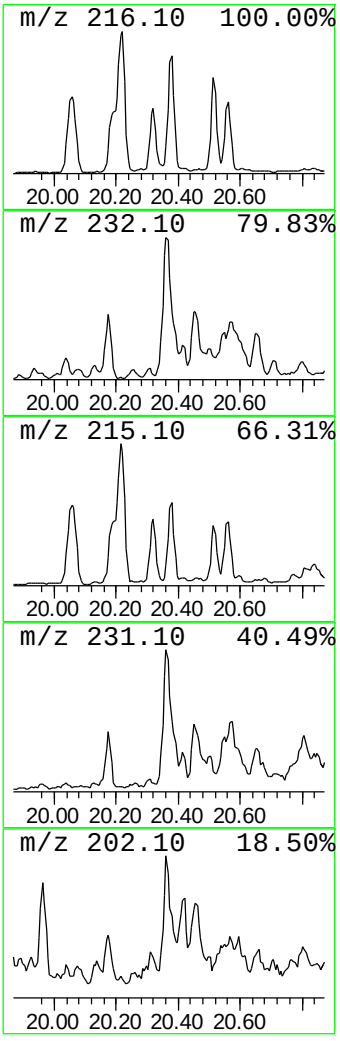
Peak Number 25 Pyrene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.58 ng/ul	401535	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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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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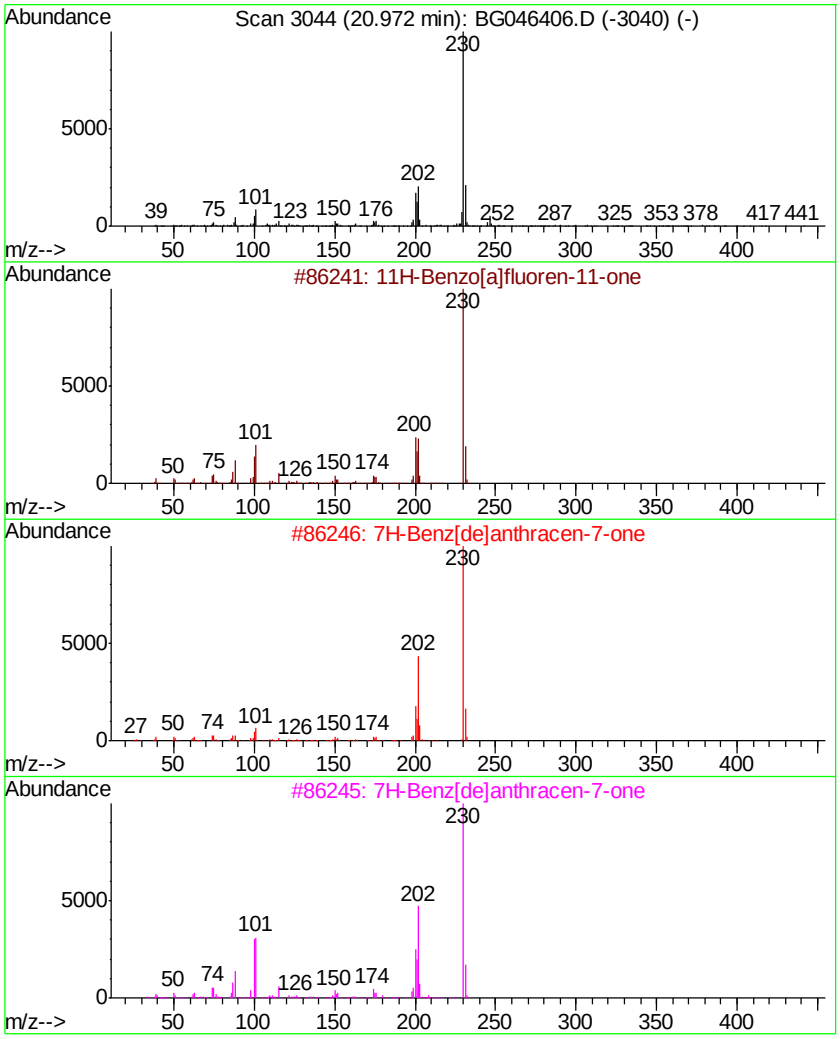
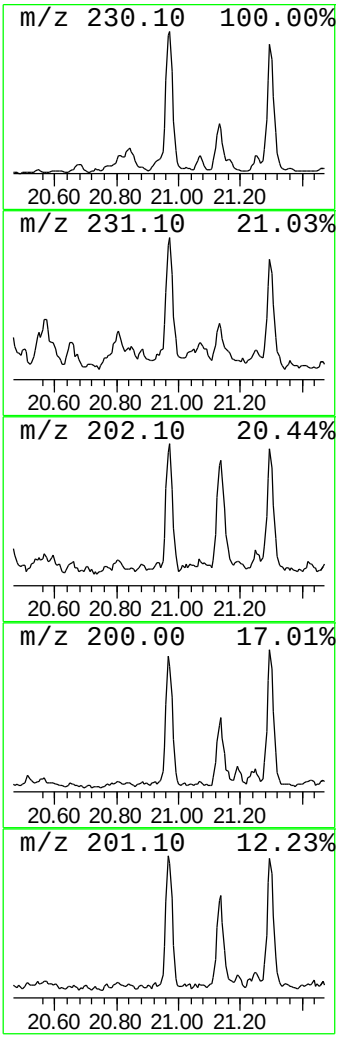
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.41 ng/ul	374982	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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Quant Title : SVOA CALIBRATION

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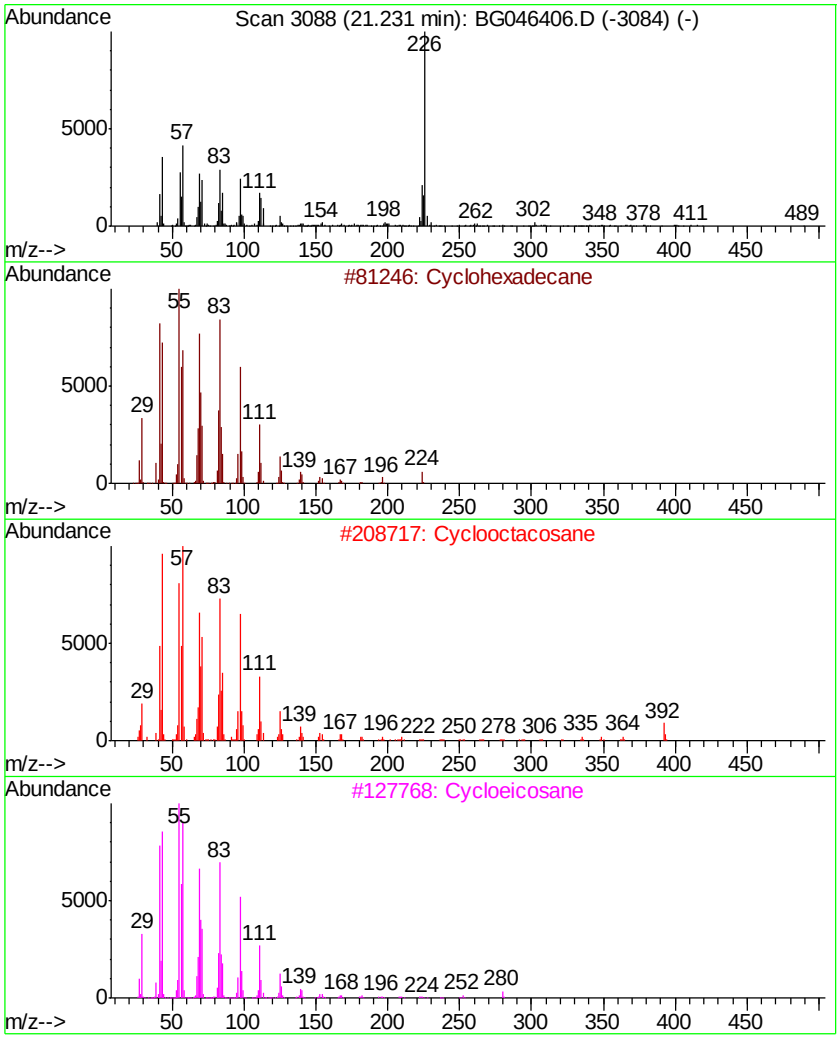
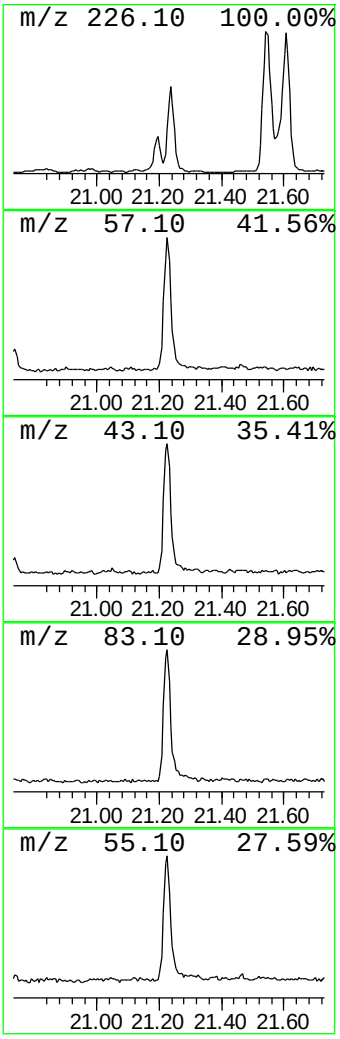
Peak Number 27 (DEL) Alkane: Cyclic21.23 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	5.02 ng/ul	780649	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Cyclooctacosane	392	C28H56	000297-24-5	92
3	Cycloeicosane	280	C20H40	000296-56-0	90
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	87
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	83





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Quant Title : SVOA CALIBRATION

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

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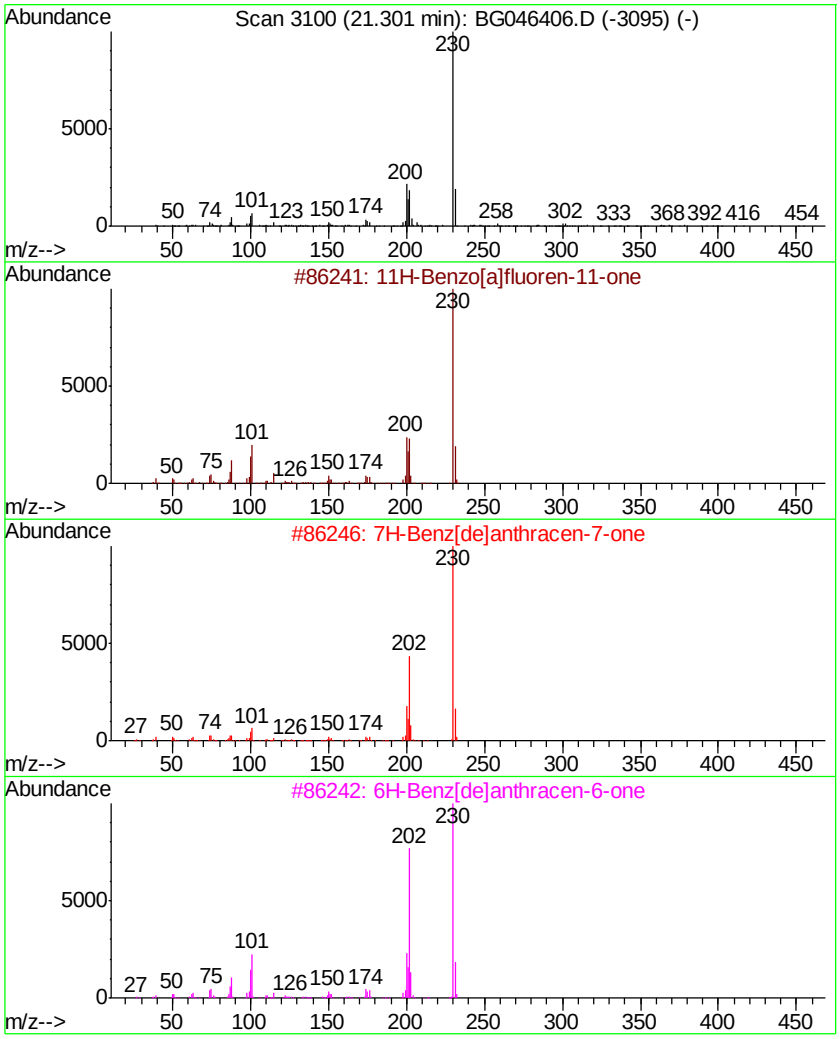
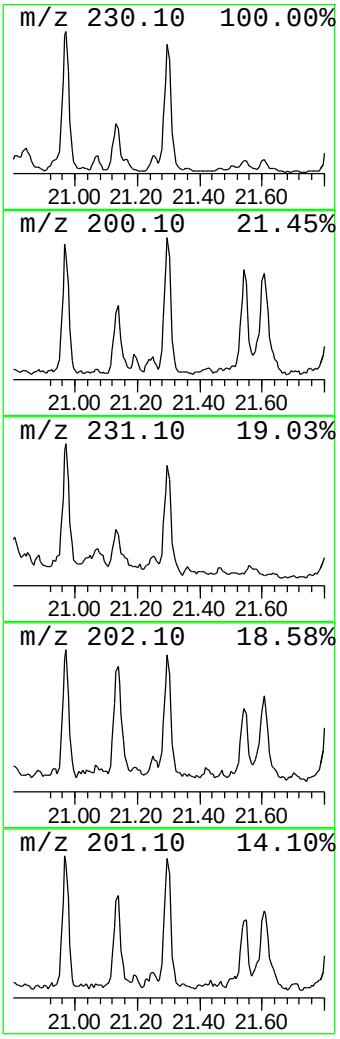
Peak Number 28 7H-Benz[de]anthracen-7-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.68 ng/ul	416773	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046406.D
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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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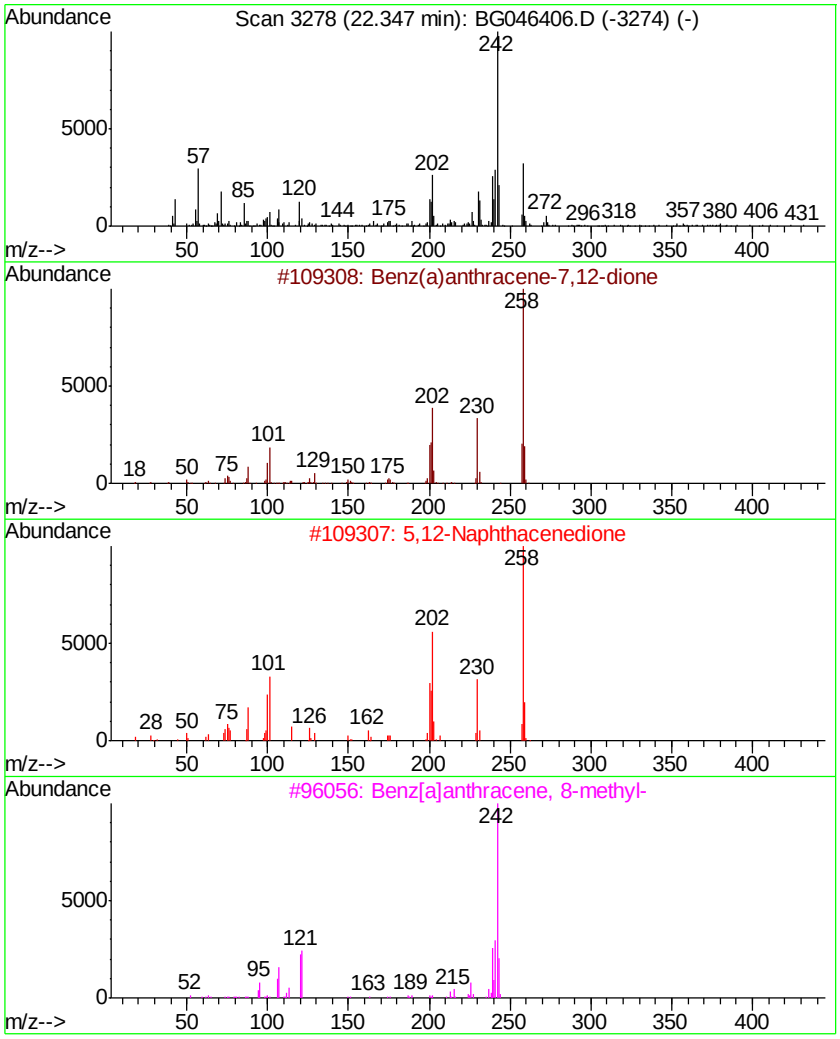
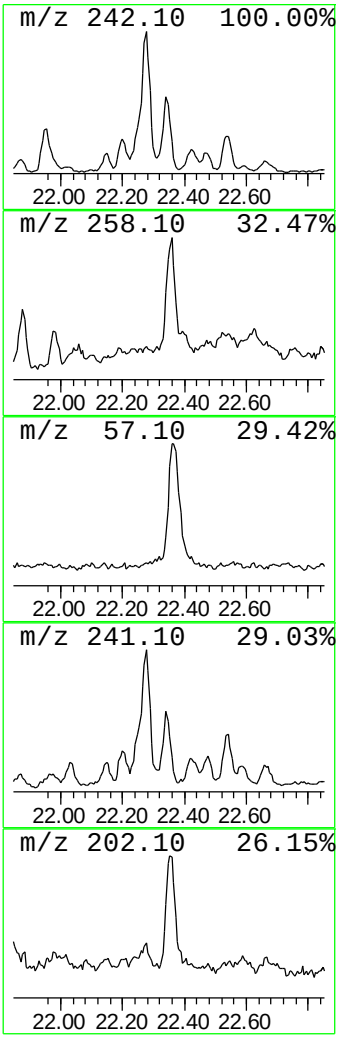
Peak Number 29 Benz(a)anthracene-7,12-dione Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.35	2.79 ng/ul	434361	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	70
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	47
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	42
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	41
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	41





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046406.D
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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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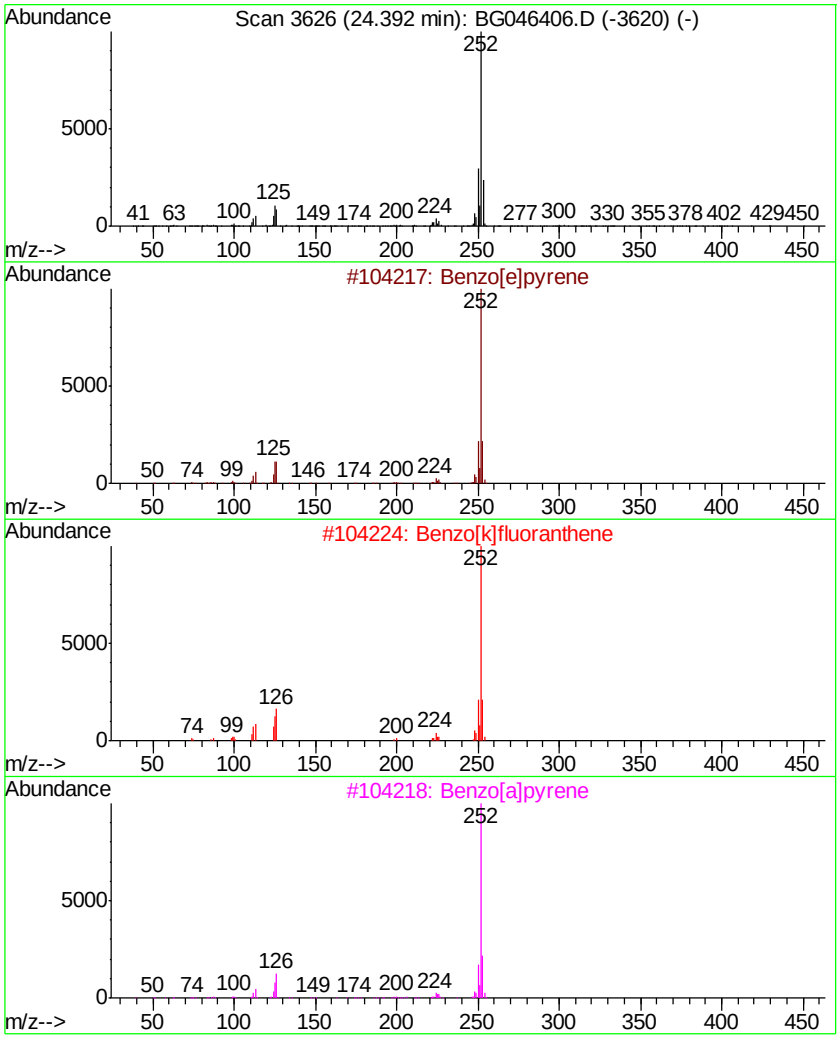
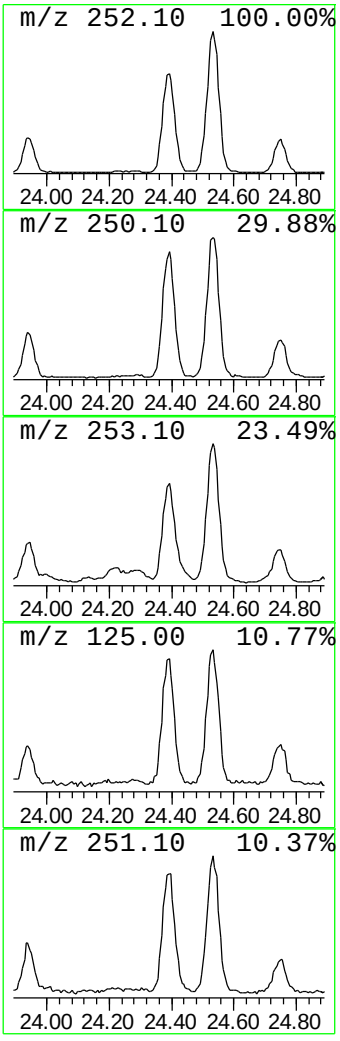
Peak Number 30 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	12.02 ng/ul	819264	Perylene-d12	24.68

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	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046406.D
Acq On : 21 Aug 2020 10:01
Operator : CG/JU
Sample : L3635-20
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ6

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	77.5	ng/ul	2009310	1	7.94	518526	20.0
unknown-01	3.92	2.7	ng/ul	70413	1	7.94	518526	20.0
2(3H)-Furanone, 5...	7.11	12.9	ng/ul	335218	1	7.94	518526	20.0
unknown-02	7.26	9.7	ng/ul	251301	1	7.94	518526	20.0
unknown-03	7.48	13.1	ng/ul	340058	1	7.94	518526	20.0
unknown-04	8.65	16.3	ng/ul	421411	1	7.94	518526	20.0
1H-Imidazole, 4-m...	9.09	13.0	ng/ul	336944	1	7.94	518526	20.0
unknown-05	9.81	7.2	ng/ul	283779	2	10.74	783678	20.0
unknown-06	10.87	8.2	ng/ul	321040	2	10.74	783678	20.0
unknown-07	13.97	13.7	ng/ul	769142	3	14.57	1124630	20.0
Dimethyl phthalate	14.02	2.3	ng/ul	126896	3	14.57	1124630	20.0
unknown-08	14.77	4.2	ng/ul	233148	3	14.57	1124630	20.0
unknown-09	15.68	2.1	ng/ul	120699	3	14.57	1124630	20.0
5H-Indeno[1,2-b]p...	17.71	2.9	ng/ul	194462	4	17.31	1348040	20.0
Phenanthrene, 2-m...	18.19	4.8	ng/ul	322836	4	17.31	1348040	20.0
Phenanthrene, 1-m...	18.23	6.6	ng/ul	447494	4	17.31	1348040	20.0
4H-Cyclopenta[def...	18.38	7.2	ng/ul	482215	4	17.31	1348040	20.0
Phenanthrene, 4-m...	18.42	2.9	ng/ul	194540	4	17.31	1348040	20.0
Naphthalene, 2-ph...	18.69	3.8	ng/ul	258654	4	17.31	1348040	20.0
9,10-Anthracenedione	18.72	4.2	ng/ul	281559	4	17.31	1348040	20.0
Phenanthrene, 2,5...	19.10	4.0	ng/ul	268305	4	17.31	1348040	20.0
Cyclopenta(def)ph...	19.24	4.4	ng/ul	295321	4	17.31	1348040	20.0
Pyrene, 1-methyl-	20.05	3.0	ng/ul	466279	5	21.56	3112130	20.0
11H-Benzo[b]fluorene	20.21	2.5	ng/ul	391409	5	21.56	3112130	20.0
Pyrene, 2-methyl-	20.37	2.6	ng/ul	401535	5	21.56	3112130	20.0
11H-Benzo[a]fluor...	20.97	2.4	ng/ul	374982	5	21.56	3112130	20.0
(DEL) Alkane: Cyc...	21.23	5.0	ng/ul	780649	5	21.56	3112130	20.0
7H-Benz[de]anthra...	21.30	2.7	ng/ul	416773	5	21.56	3112130	20.0
Benz(a)anthracene...	22.35	2.8	ng/ul	434361	5	21.56	3112130	20.0
Benzo[e]pyrene	24.39	12.0	ng/ul	819264	6	24.68	1363600	20.0