LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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	3.141	4	9	31	rVB	1635648	2578185	100.00%	7.027%
2	3.400	49	53	59	rVB	14231	21079	0.82%	0.057%
3	3.917	136	141	148	rBV2	15948	23737	0.92%	0.065%
4	4.052	158	164	170	rVB2	17557	30006	1.16%	0.082%
5	5.051	329	334	340	rVB	12034	18386	0.71%	0.050%
6	7.107	678	684	697	rBV	237052	438845	17.02%	1.196%
7	7.266	705	711	721	rBV	196473	323298	12.54%	0.881%
8	7.477	740	747	756	rBV	250942	431979	16.76%	1.177%
9	7.941	818	826	834	rBV	305854	509789	19.77%	1.389%
10	8.646	939	946	956	rBV	297172	514265	19.95%	1.402%
11	9.093	1014	1022	1032	rBV	235048	417569	16.20%	1.138%
12	9.816	1138	1145	1157	rBV	201283	358916	13.92%	0.978%
13	10.362	1230	1238	1254	rBV	319974	591707	22.95%	1.613%
14	10.738	1294	1302	1308	rBV	436666	774499	30.04%	2.111%
15	10.785	1308	1310	1316	rVV2	20179	27780	1.08%	0.076%
16	10.867	1316	1324	1343	rVB	223363	428648	16.63%	1.168%
17	12.395	1578	1584	1590	rVB	17389	28581	1.11%	0.078%
18	12.612	1616	1621	1628	rBV2	13092	22300	0.86%	0.061%
19	13.893	1831	1839	1844	rBV2	14666	26051	1.01%	0.071%
20	13.970	1844	1852	1857	rVV	589652	894589	34.70%	2.438%
21	14.017	1857	1860	1867	rVB	107725	146517	5.68%	0.399%
22	14.257	1893	1901	1915	rBV	682719	1147535	44.51%	3.128%
23	14.569	1944	1954	1960	rBV	743677	1132024	43.91%	3.085%
24	14.628	1960	1964	1972	rVB	31927	50135	1.94%	0.137%
25	14.769	1980	1988	1999	rBV	194190	364038	14.12%	0.992%
26	14.968	2017	2022	2030	rVB2	33690	59455	2.31%	0.162%
27	15.362	2083	2089	2097	rVB6	7508	18352	0.71%	0.050%
28	15.562	2116	2123	2128	rBV	927267	1448209	56.17%	3.947%
29	15.615	2128	2132	2137	rVV3	39934	60030	2.33%	0.164%
30	15.679	2137	2143	2150	rVV	227750	344468	13.36%	0.939%
31	15.797	2156	2163	2166	rVV5	12043	23253	0.90%	0.063%
32	15.908	2178	2182	2190	rVV	22336	37961	1.47%	0.103%
33	16.055	2201	2207	2215	rVV	22843	51997	2.02%	0.142%
34	16.149	2215	2223	2228	rVB3	6721	16872	0.65%	0.046%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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	16.290	2240	2247	2253	rBV6	13860	28761	1.12%	0.078%
36	16.590	2291	2298	2300	rBV7	9412	18742	0.73%	0.051%
37	16.619	2300	2303	2308	rVV4	13724	23511	0.91%	0.064%
38	16.848	2333	2342	2346	rBV4	16463	35851	1.39%	0.098%
39	16.890	2346	2349	2354	rVV3	13508	20331	0.79%	0.055%
40	16.966	2356	2362	2369	rVB	51093	86680	3.36%	0.236%
41	17.066	2369	2379	2386	rBV7	19770	70027	2.72%	0.191%
42	17.130	2386	2390	2398	rVB	30874	51280	1.99%	0.140%
43	17.213	2400	2404	2411	rBV7	11919	25501	0.99%	0.070%
44	17.313	2411	2421	2424	rBV	885438	1358375	52.69%	3.702%
45	17.354	2424	2428	2432	rVV	599620	891598	34.58%	2.430%
46	17.413	2432	2438	2449	rVB	984494	1649603	63.98%	4.496%
47	17.495	2449	2452	2459	rVB3	24824	42772	1.66%	0.117%
48	17.624	2471	2474	2481	rVB3	13352	19647	0.76%	0.054%
49	17.712	2481	2489	2493	rBV2	67492	131962	5.12%	0.360%
50	17.830	2505	2509	2514	rVB3	17861	24678	0.96%	0.067%
51	17.894	2516	2520	2523	rVB4	20193	27136	1.05%	0.074%
52	18.188	2562	2570	2571	rBV	102740	147910	5.74%	0.403%
53	18.212	2571	2574	2575	rVV	131297	163044	6.32%	0.444%
54	18.235	2575	2578	2584	rVV	172765	264187	10.25%	0.720%
55	18.311	2587	2591	2596	rVV	41732	66222	2.57%	0.180%
56	18.382	2597	2603	2606	rVV2	126747	242079	9.39%	0.660%
57	18.417	2606	2609	2614	rVB	80431	117377	4.55%	0.320%
58	18.529	2626	2628	2633	rVB4	18046	23612	0.92%	0.064%
59	18.682	2650	2654	2657	rBV	84353	117489	4.56%	0.320%
60	18.723	2657	2661	2667	rVB	102564	147169	5.71%	0.401%
61	18.811	2673	2676	2681	rVB4	9710	17973	0.70%	0.049%
62	18.934	2693	2697	2700	rBV2	30004	36416	1.41%	0.099%
63	18.981	2702	2705	2708	rVV	29500	37016	1.44%	0.101%
64	19.022	2708	2712	2715	rVB2	31850	43709	1.70%	0.119%
65	19.105	2720	2726	2729	rBV2	89897	143975	5.58%	0.392%
66	19.163	2733	2736	2739	rVV3	16973	21777	0.84%	0.059%
67	19.240	2745	2749	2757	rBV	82305	127420	4.94%	0.347%
68	19.363	2764	2770	2776	rVB	1116404	1522440	59.05%	4.150%
69	19.422	2777	2780	2784	rBV2	22458	32985	1.28%	0.090%
70	19.457	2784	2786	2792	rVB3	25386	35245	1.37%	0.096%
71	19.510	2792	2795	2799	rBV	30101	32451	1.26%	0.088%

LSC Area Percent Report

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Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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	19.557	2799	2803	2806	rBV	37566	57003	2.21%	0.155%
73	19.698	2820	2827	2829	rBV2	1445945	2164894	83.97%	5.901%
74	19.722	2829	2831	2839	rVB	947299	1265200	49.07%	3.448%
75	19.792	2839	2843	2847	rBV2	57840	93299	3.62%	0.254%
76	19.833	2847	2850	2855	rVB	103369	123450	4.79%	0.336%
77	19.904	2857	2862	2867	rBV	60010	98100	3.81%	0.267%
78	19.962	2868	2872	2877	rVB	63177	99113	3.84%	0.270%
79	20.045	2880	2886	2893	rBV2	93541	261993	10.16%	0.714%
80	20.180	2906	2909	2911	rBV2	51564	75525	2.93%	0.206%
81	20.215	2911	2915	2919	rVB	133327	201476	7.81%	0.549%
82	20.315	2929	2932	2935	rBV	54781	70319	2.73%	0.192%
83	20.374	2938	2942	2946	rVB2	116244	177251	6.88%	0.483%
84	20.515	2962	2966	2969	rBV	66173	92951	3.61%	0.253%
85	20.562	2970	2974	2977	rVB3	67663	96662	3.75%	0.263%
86	20.773	3006	3010	3014	rBV	156609	216748	8.41%	0.591%
87	20.967	3039	3043	3050	rVB	150945	218204	8.46%	0.595%
88	21.149	3068	3074	3077	rBV2	77756	161638	6.27%	0.441%
89	21.190	3078	3081	3083	rVV	99085	127547	4.95%	0.348%
90	21.220	3083	3086	3094	rVV4	427755	755023	29.29%	2.058%
91	21.290	3095	3098	3107	rVB	130792	228497	8.86%	0.623%
92	21.461	3124	3127	3131	rVB	104687	129850	5.04%	0.354%
93	21.555	3136	3143	3148	rVV3	1088779	2457610	95.32%	6.698%
94	21.608	3148	3152	3165	rVB	481473	813339	31.55%	2.217%
95	21.954	3207	3211	3218	rBV2	57994	112742	4.37%	0.307%
96	23.688	3499	3506	3513	rBV	361519	1130711	43.86%	3.082%
97	24.381	3619	3624	3629	rBV	156961	353693	13.72%	0.964%
98	24.457	3630	3637	3644	rVV	649006	1626462	63.09%	4.433%
99	24.528	3644	3649	3661	rVB	302410	755146	29.29%	2.058%
100	24.669	3665	3673	3681	rBV2	557042	1516731	58.83%	4.134%

Sum of corrected areas: 36689183

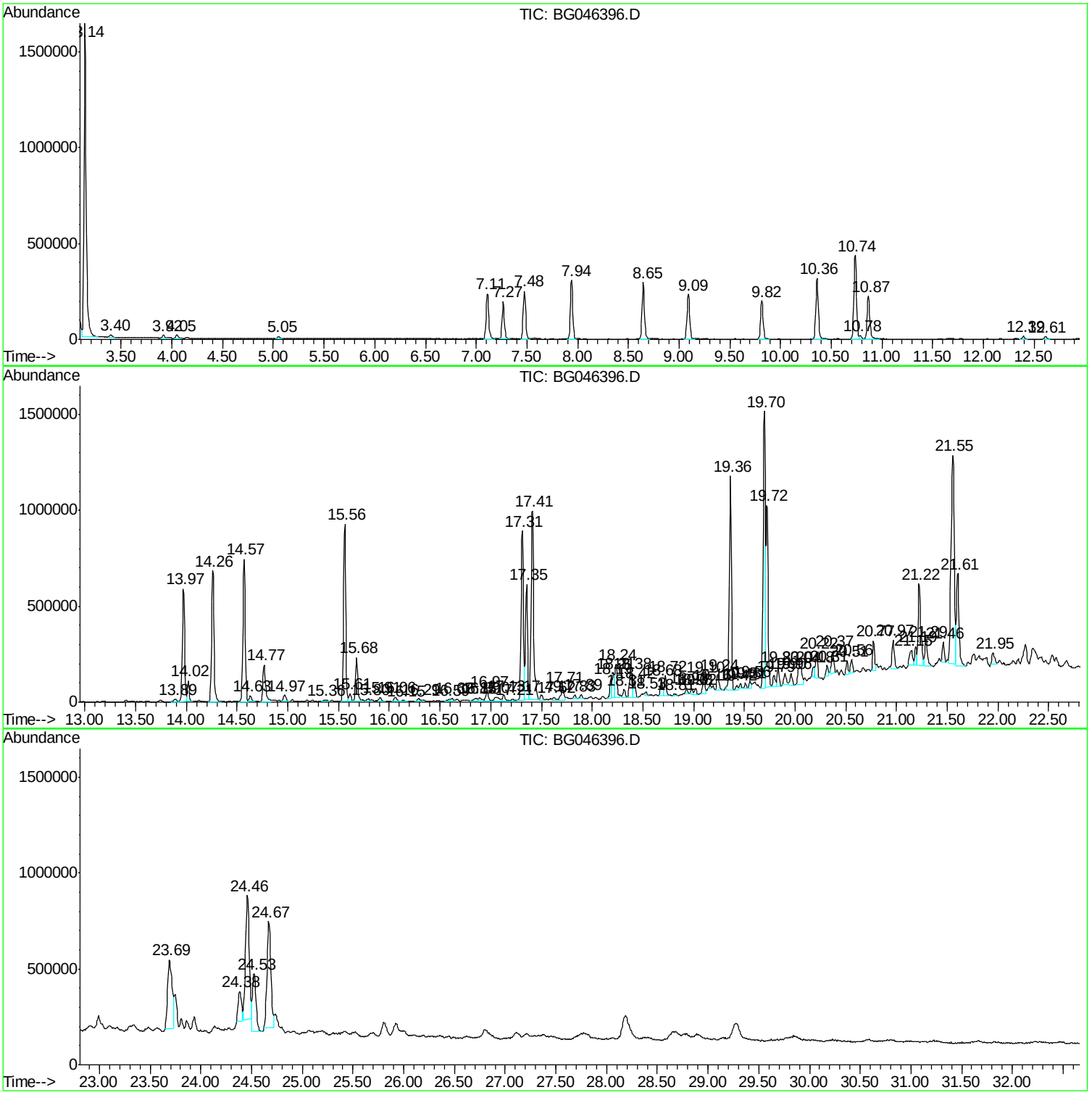
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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 : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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

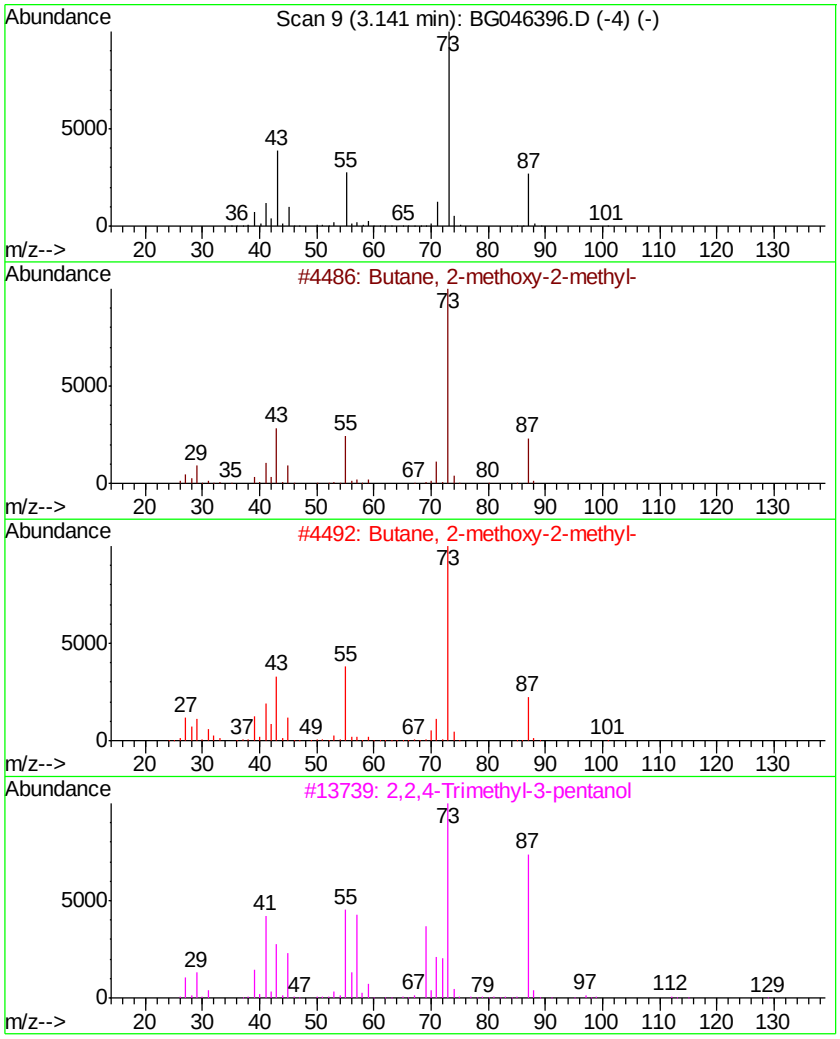
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

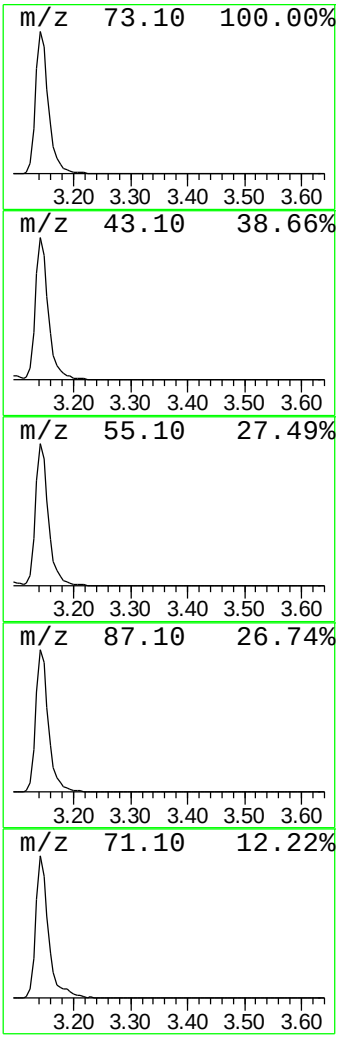
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	101.15 ng/ul	2578190	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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
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 : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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

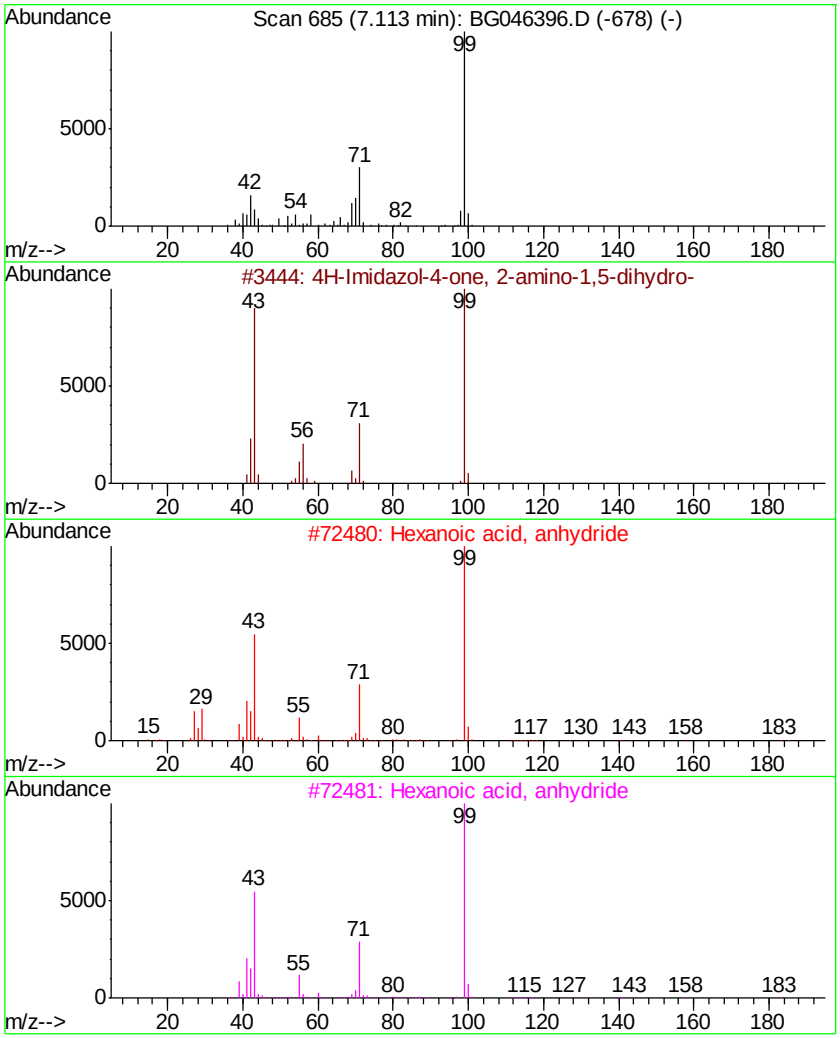
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

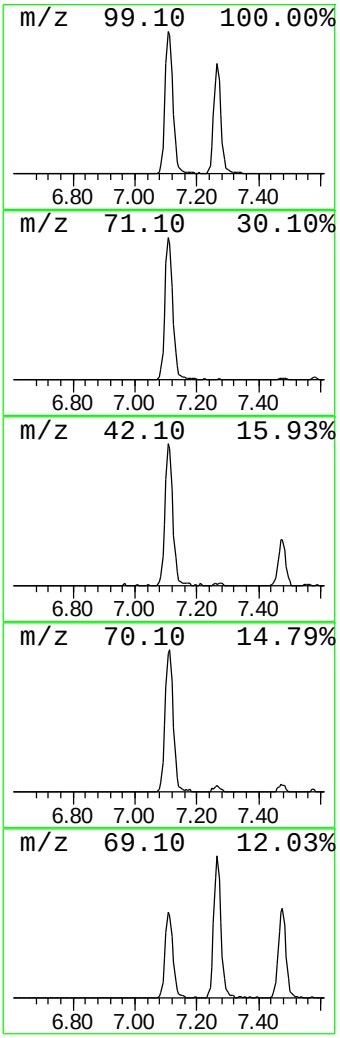
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	17.22 ng/ul	438845	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	59
2	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	45
5	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	40





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Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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

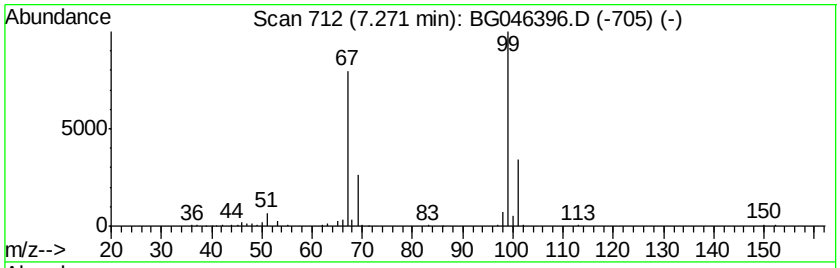
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

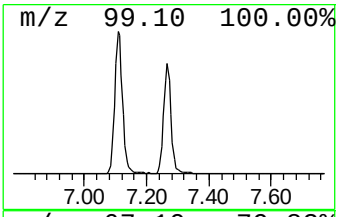
****

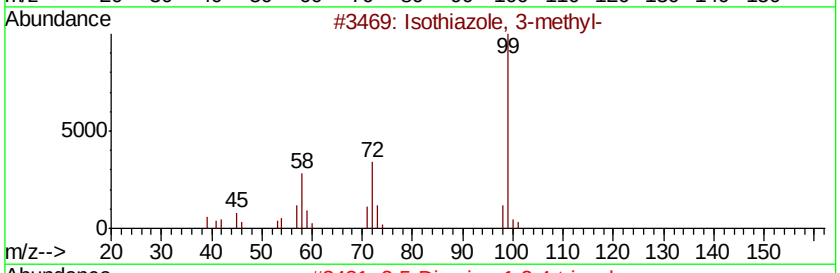
Peak Number 3 unknown-01 Concentration Rank 7

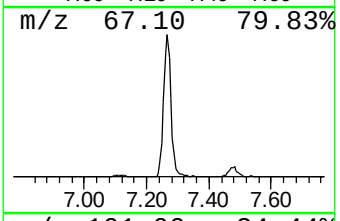
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	12.68 ng/ul	323298	1,4-Dichlorobenzene-d4	7.94

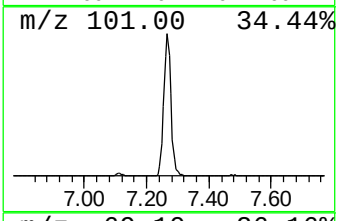
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
2	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	7
5	Cyclopropane, isothiocyanato-	99	C4H5NS	056601-42-4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

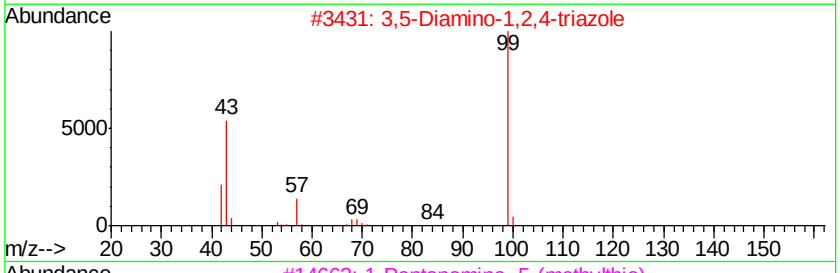


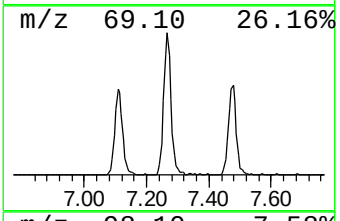


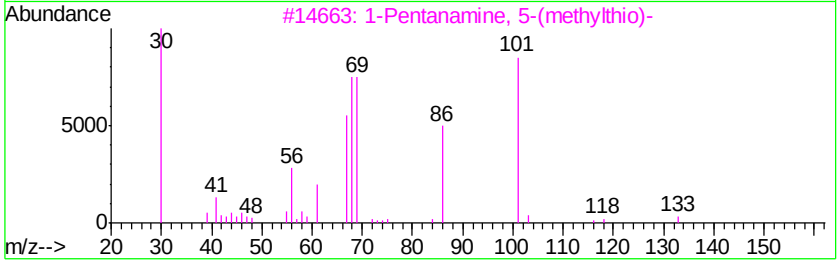


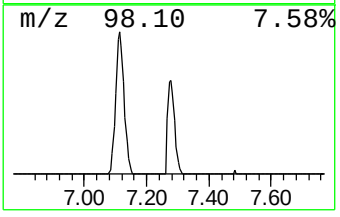












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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

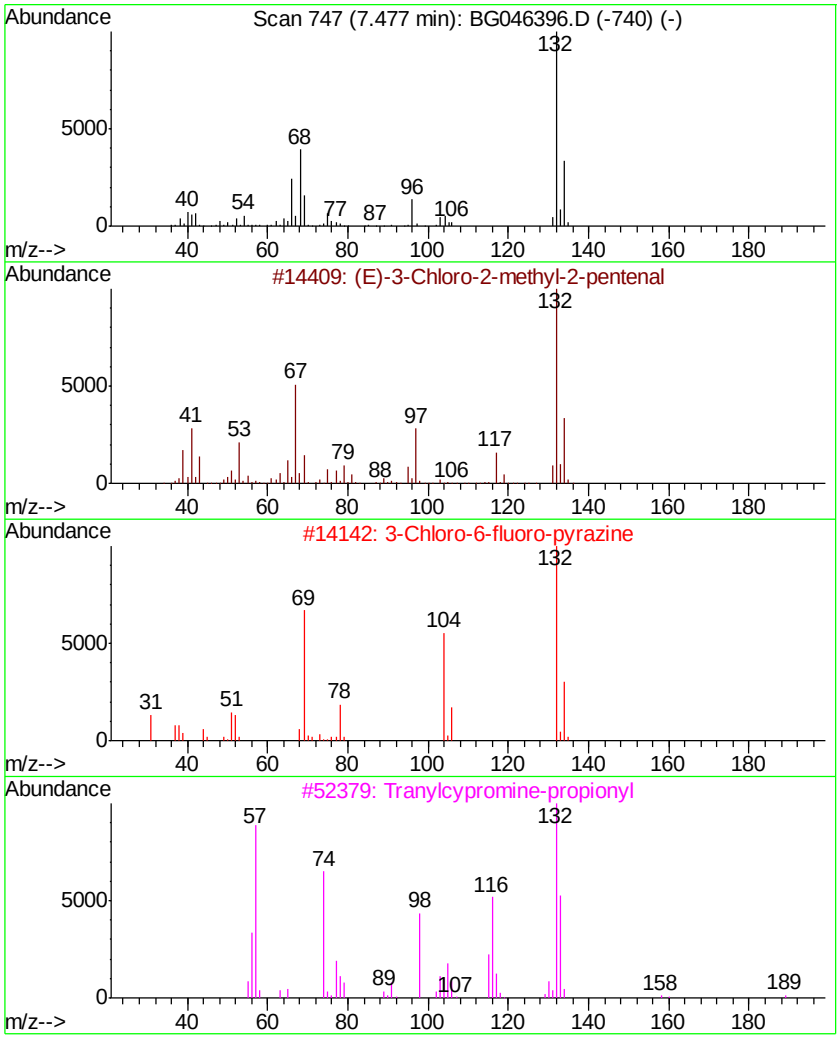
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

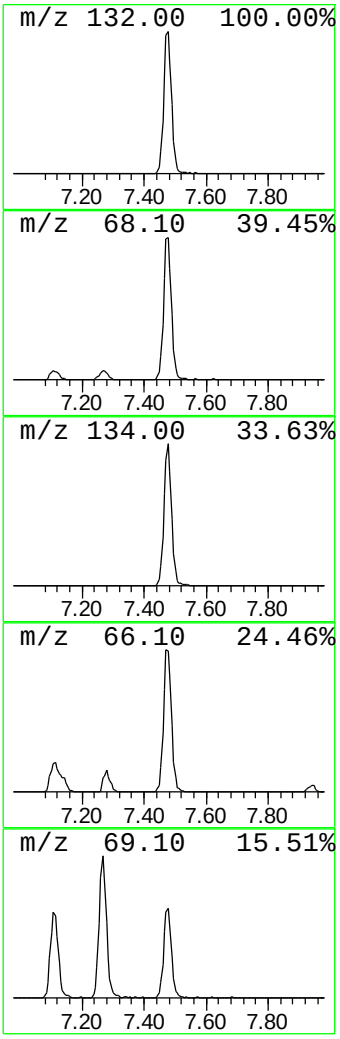
****

Peak Number 4 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	16.95 ng/ul	431979	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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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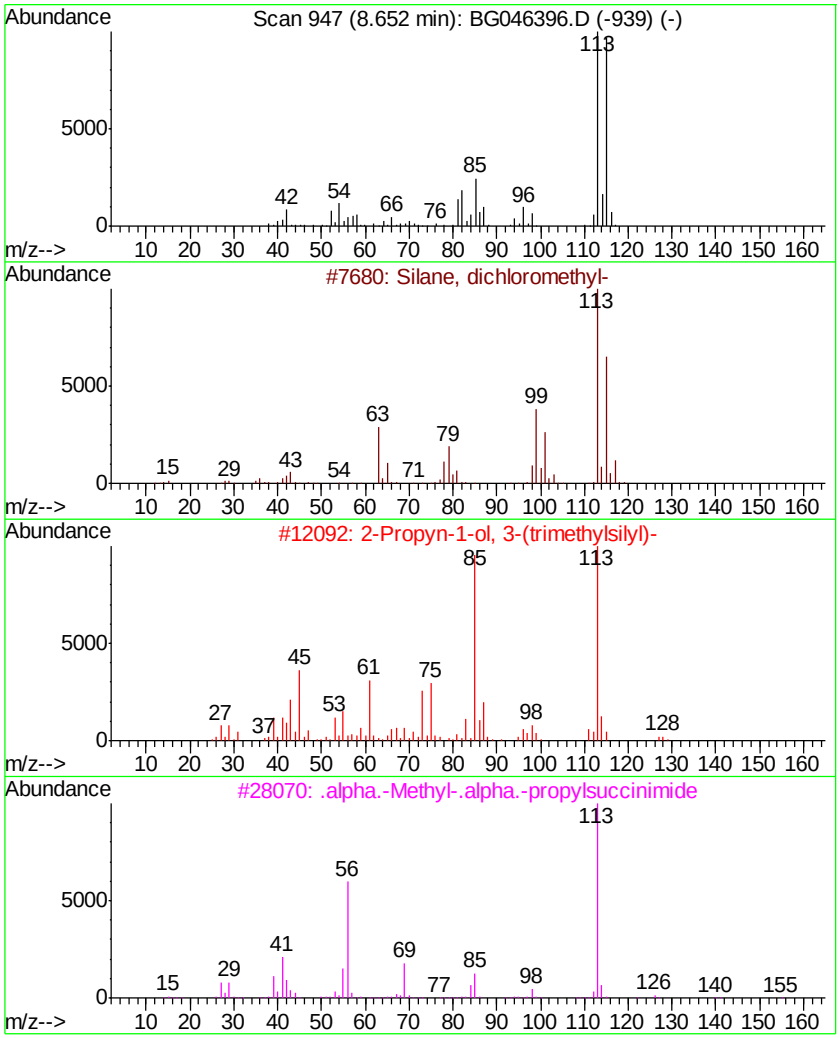
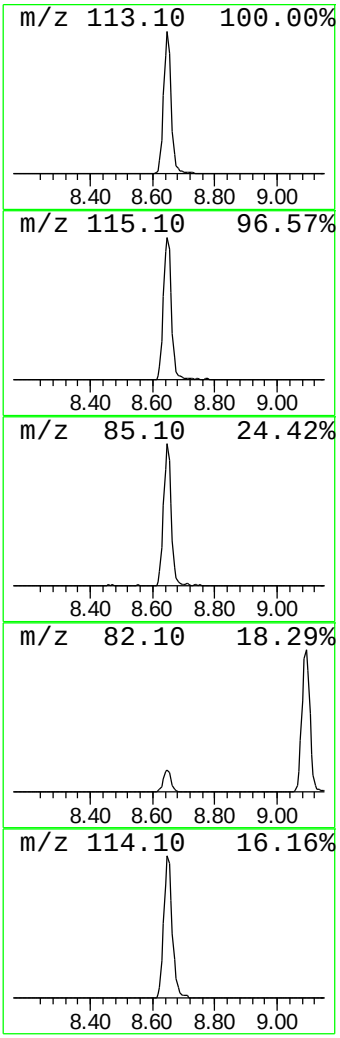
Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	20.18 ng/ul	514265	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	2-Propyn-1-ol, 3-(trimethylsilyl)-	128	C6H12OSi	005272-36-6	37
3	.alpha.-Methyl-.alpha.-propylsuc...	155	C8H13NO2	001497-19-4	35
4	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
5	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMH0

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Quant Title : SVOA CALIBRATION

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

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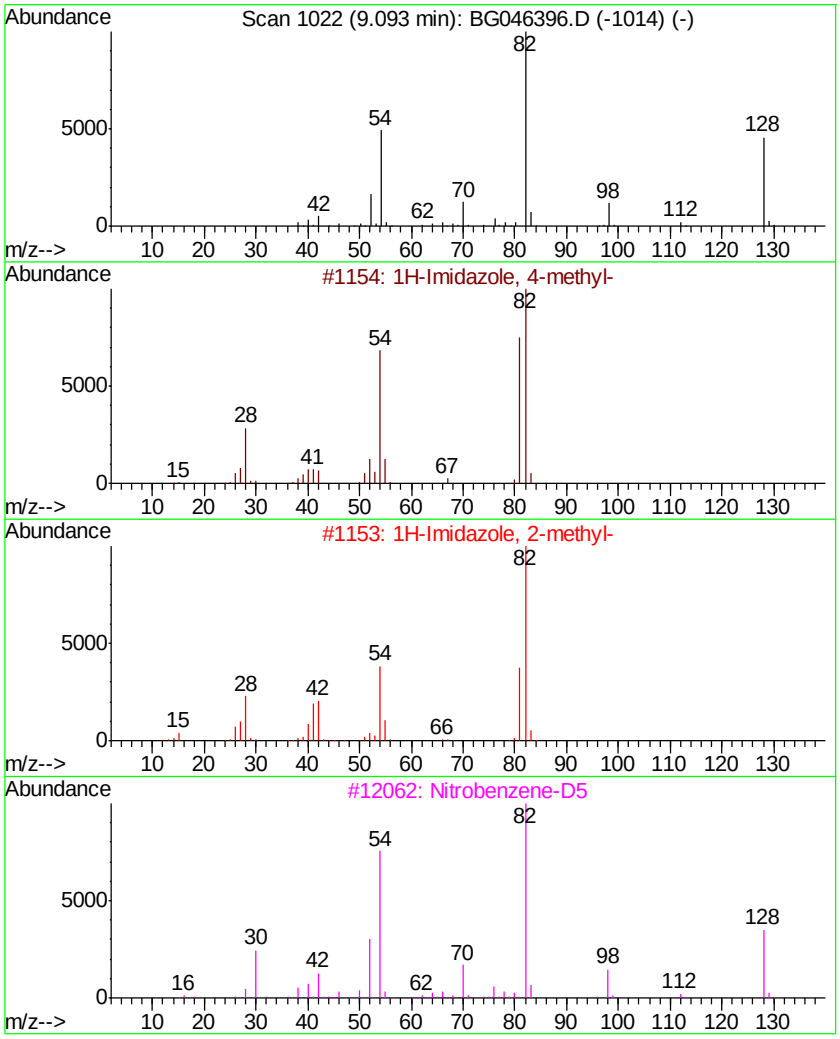
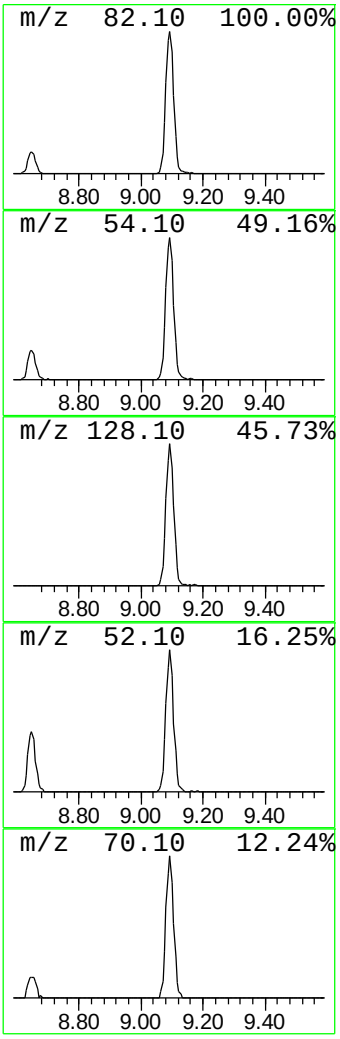
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	16.38 ng/ul	417569	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
2	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
3	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	38
4	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	37
5	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	9





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Instrument : BNA_G
ClientSampleId : BFMH0

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Quant Title : SVOA CALIBRATION

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

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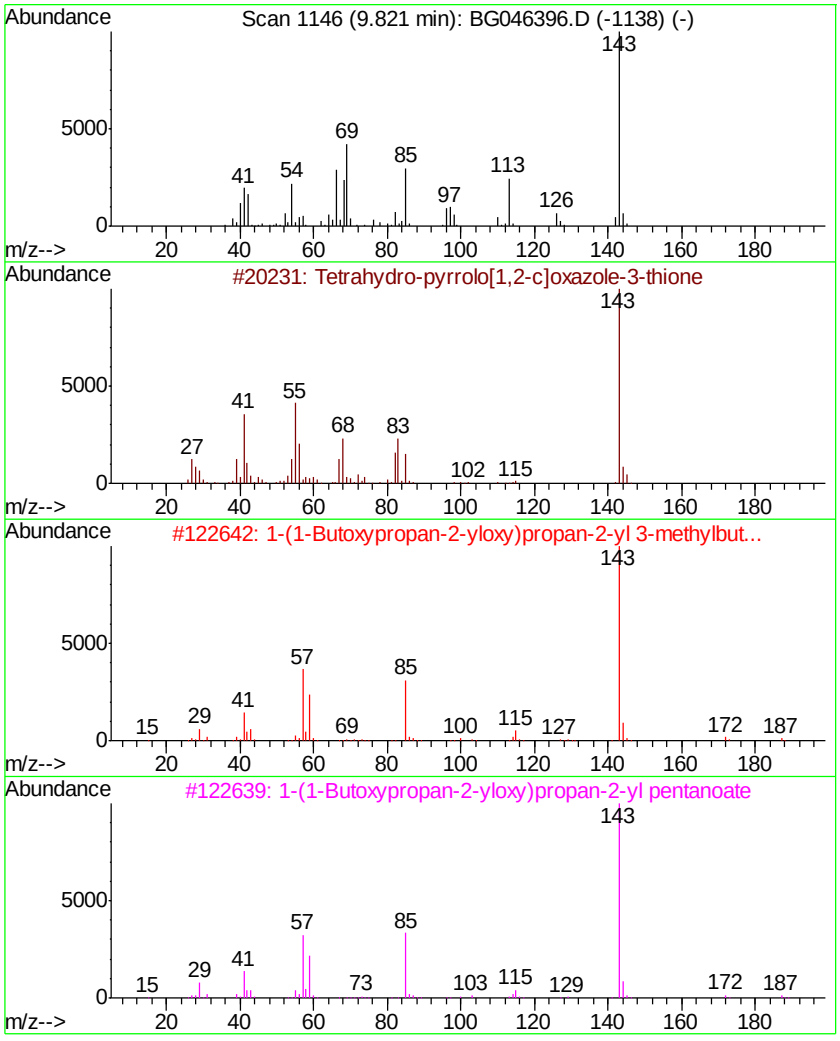
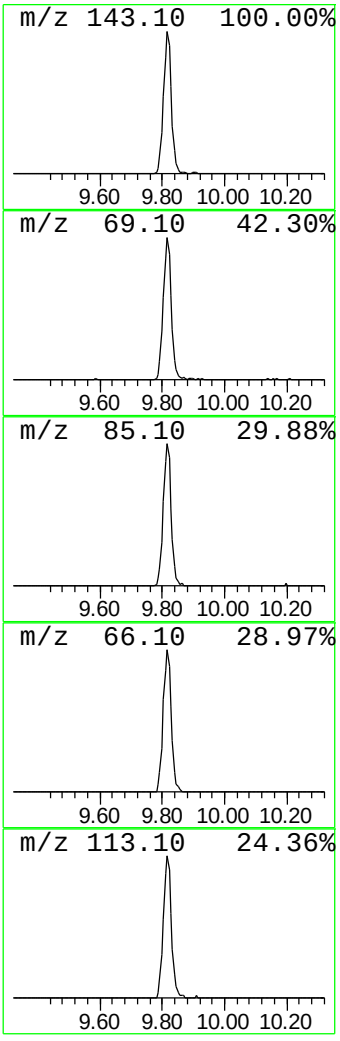
Peak Number 7 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	9.27 ng/ul	358916	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	12
3	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	10
4	Glutaric acid, ethyl 3-heptyl ester	258	C14H26O4	1000359-73-0	10
5	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10





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Sample : L3635-04
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Instrument : BNA_G
ClientSampleId : BFMH0

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Quant Title : SVOA CALIBRATION

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

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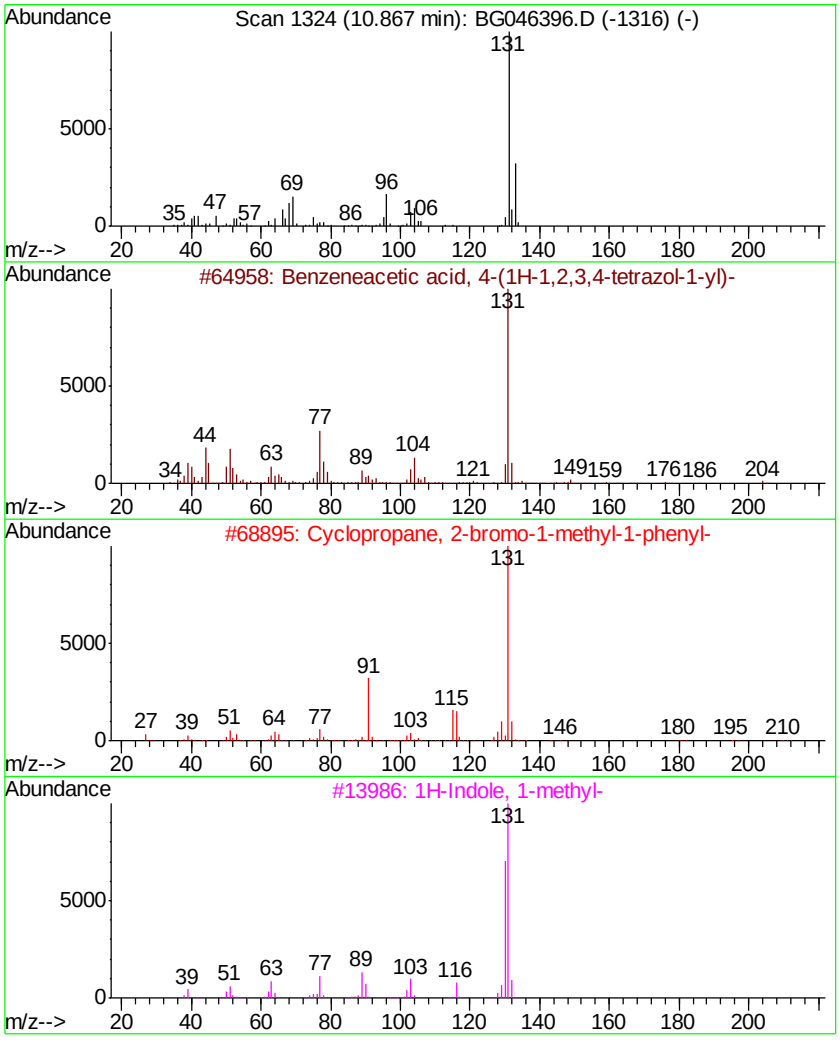
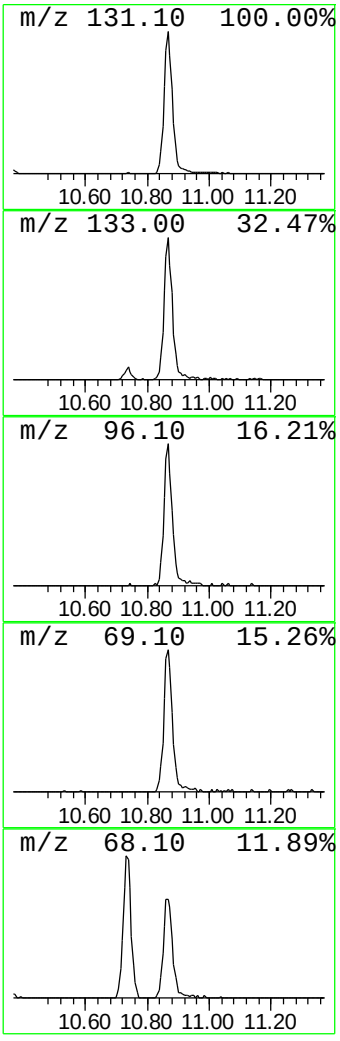
Peak Number 8 unknown-05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	11.07 ng/ul	428648	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	28
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
4	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
5	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9





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Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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Quant Title : SVOA CALIBRATION

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

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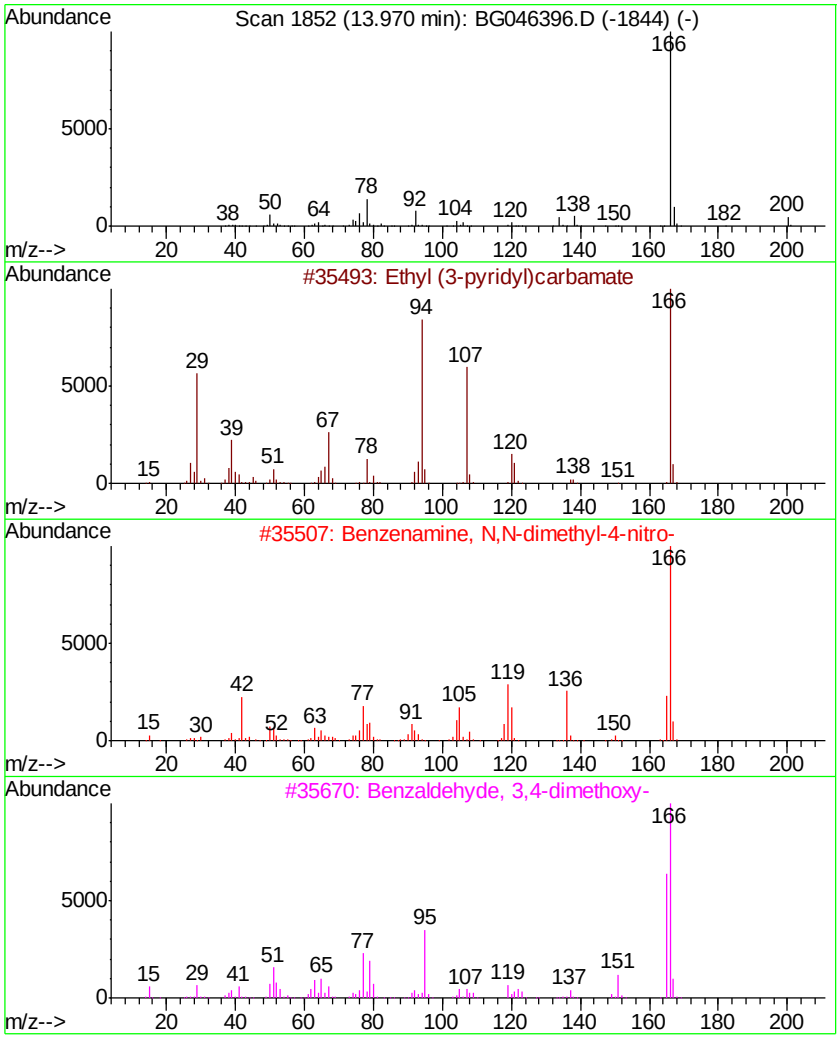
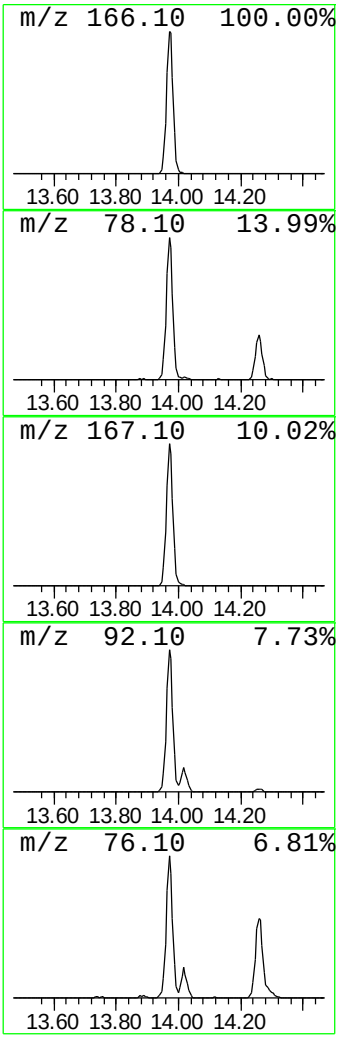
Peak Number 9 unknown-06 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	15.81 ng/ul	894589	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
2	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
3	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	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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Instrument : BNA_G
ClientSampleId : BFMH0

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Quant Title : SVOA CALIBRATION

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

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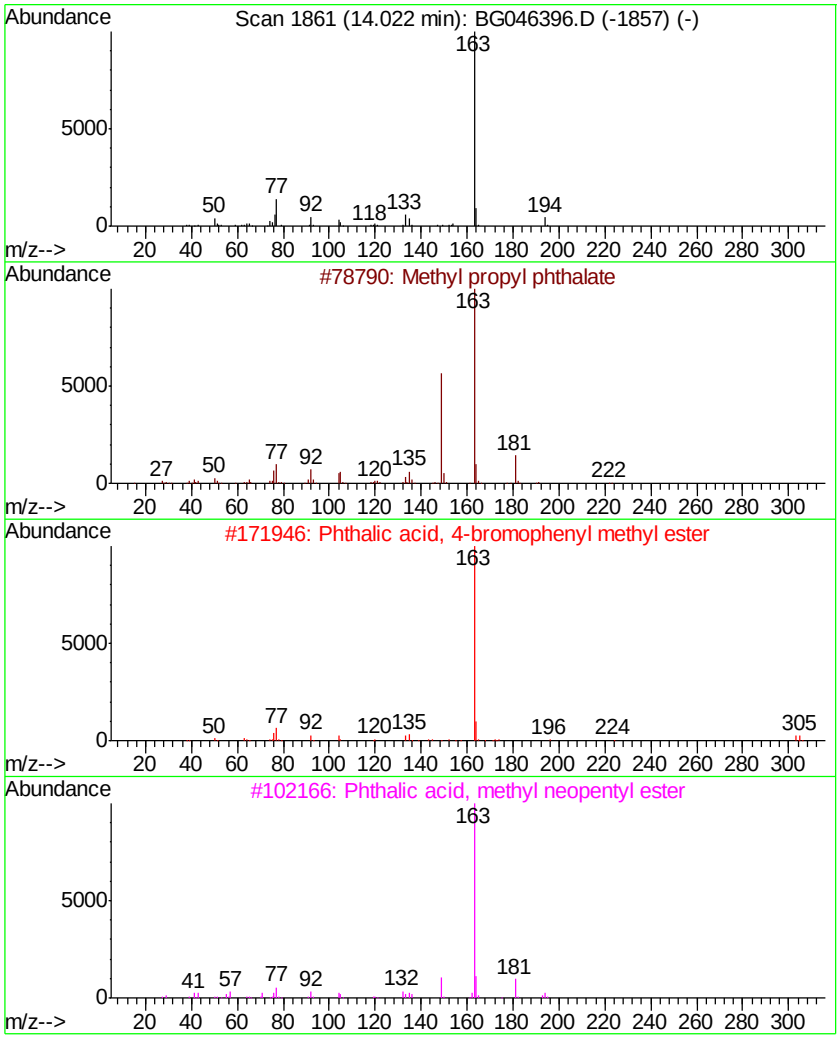
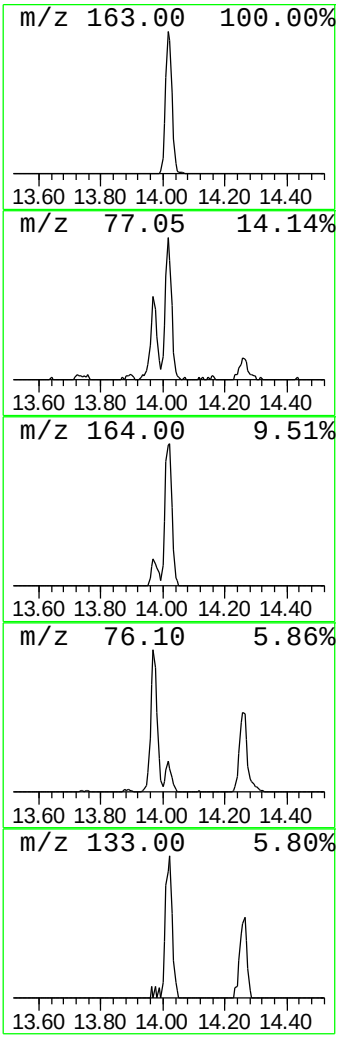
Peak Number 10 Methyl propyl phthalate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.59 ng/ul	146517	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl propyl phthalate	222	C12H14O4	1000373-89-2	83
2	Phthalic acid, 4-bromophenyl met...	334	C15H11BrO4	1000315-66-6	83
3	Phthalic acid, methyl neopentyl ...	250	C14H18O4	1000315-53-9	78
4	Phthalic acid, 2-bromo-4-fluorop...	352	C15H10BrFO4	1000315-62-3	78
5	Isobutyl methyl phthalate	236	C13H16O4	1000373-89-3	78





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Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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Quant Title : SVOA CALIBRATION

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

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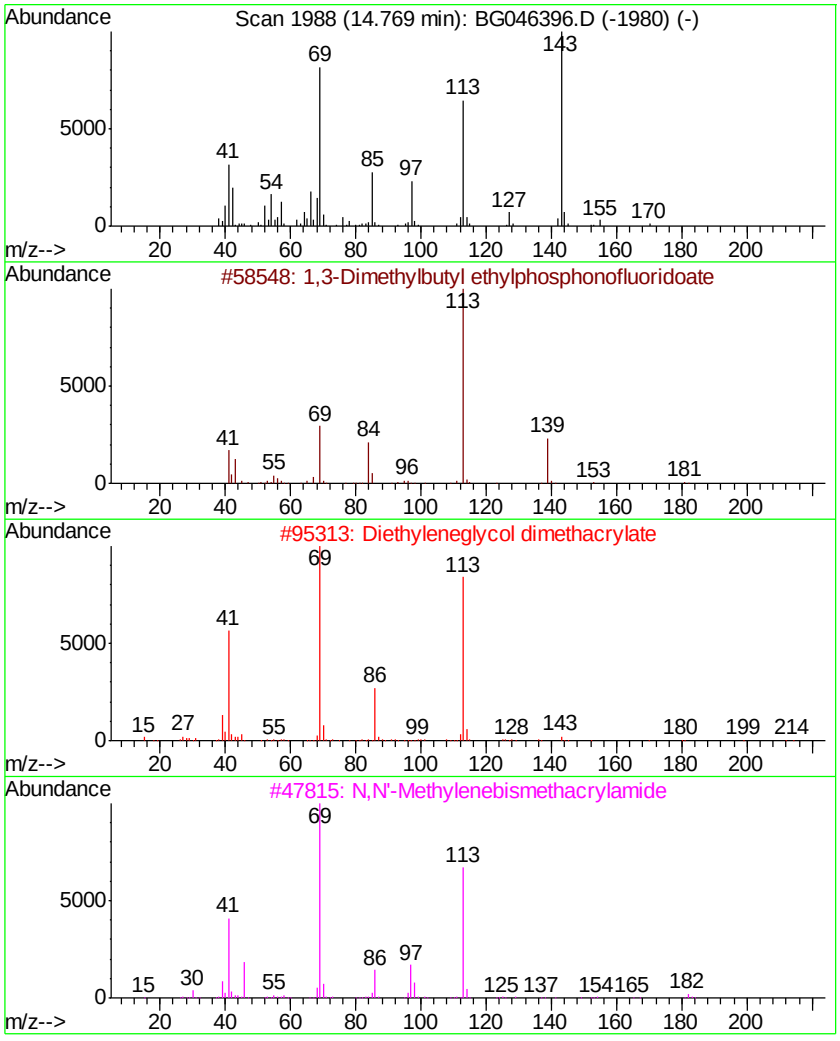
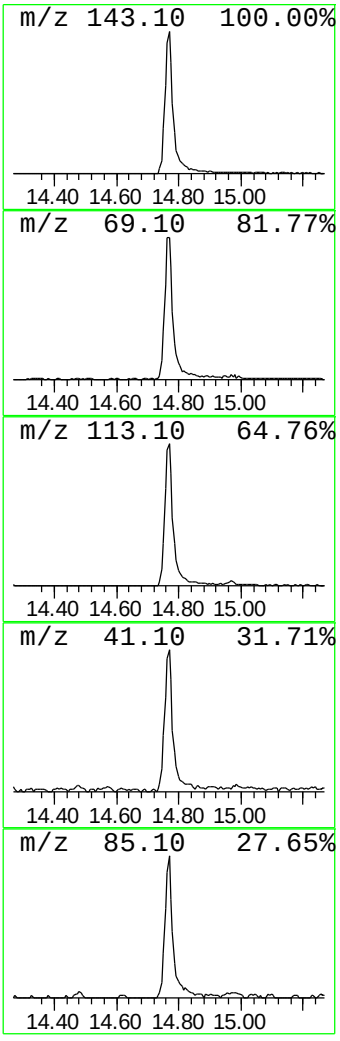
Peak Number 11 unknown-07 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	6.43 ng/ul	364038	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethylbutyl ethylphosphono...	196	C8H18FO2P	1000298-32-2	32
2	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
3	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
4	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	22
5	Pentanoic acid, 4-methyl-4-nitro...	175	C7H13NO4	016507-02-1	16





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Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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Quant Title : SVOA CALIBRATION

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

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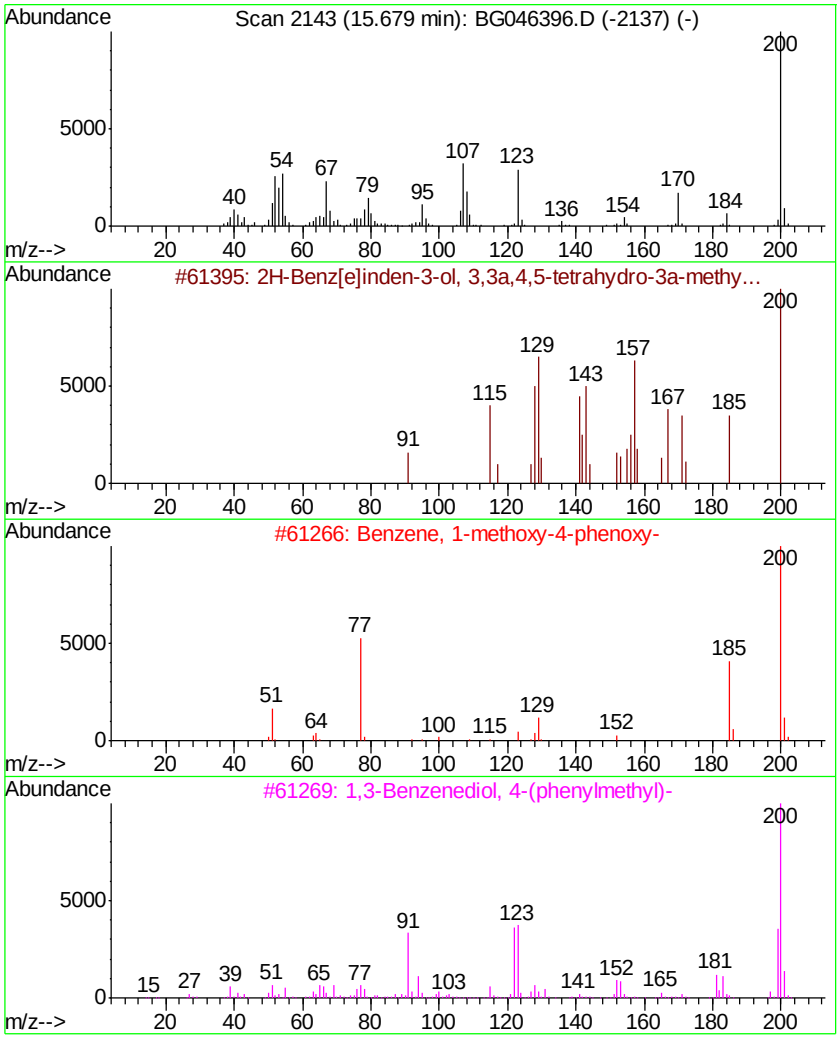
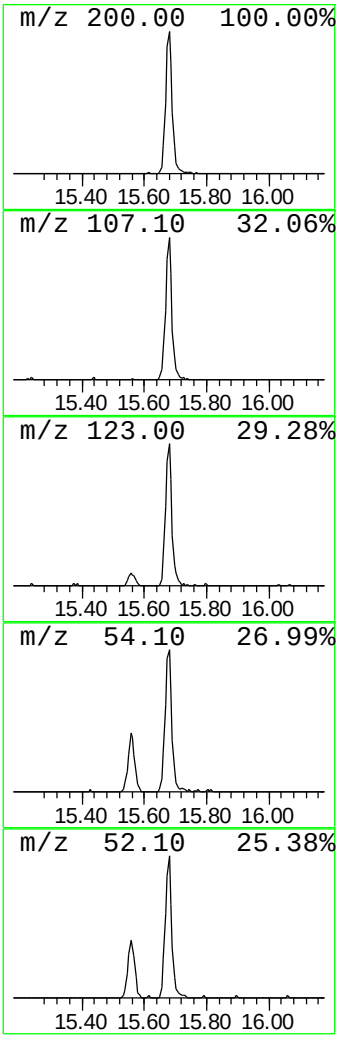
Peak Number 12 unknown-08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	6.09 ng/ul	344468	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	22
3	1,3-Benzenediol, 4-(phenylmethyl)-	200	C13H12O2	002284-30-2	16
4	1,6-Dioxaspiro[4.4]non-3-ene, 2-...	200	C13H12O2	016863-61-9	16
5	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	14





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Quant Title : SVOA CALIBRATION

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

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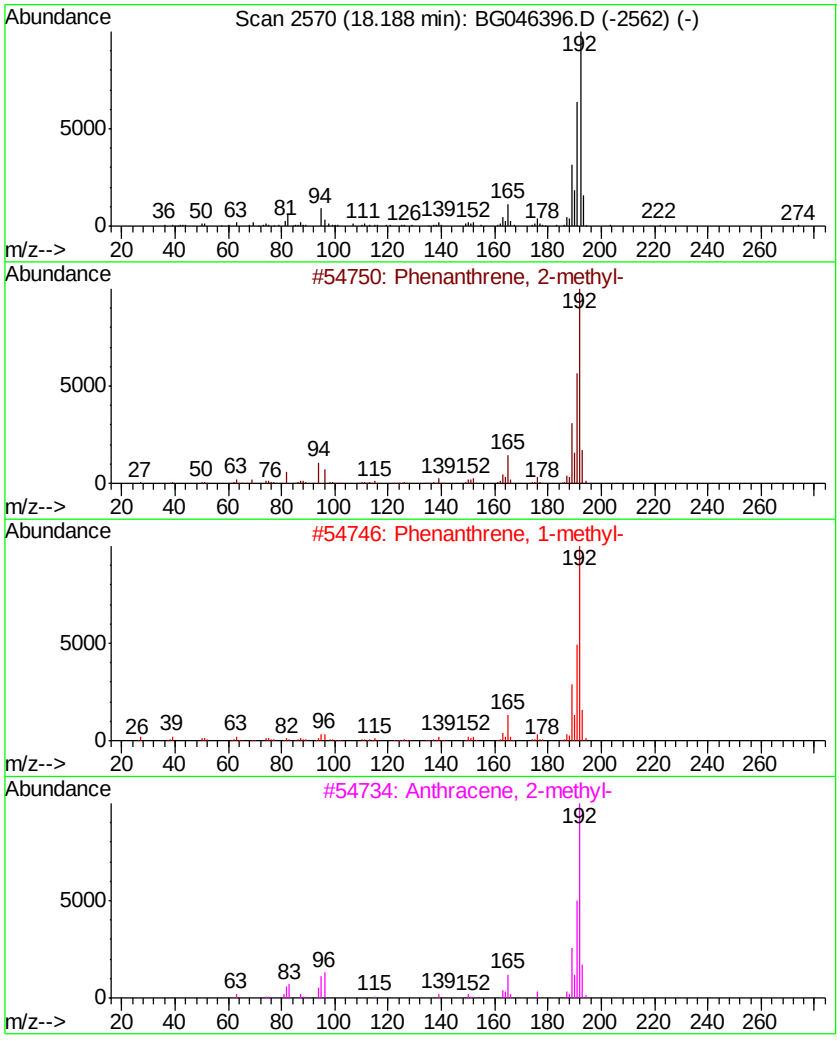
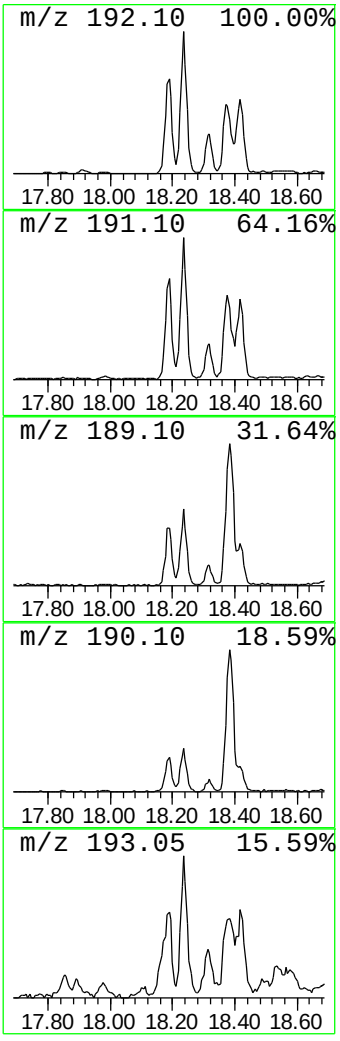
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.18 ng/ul	147910	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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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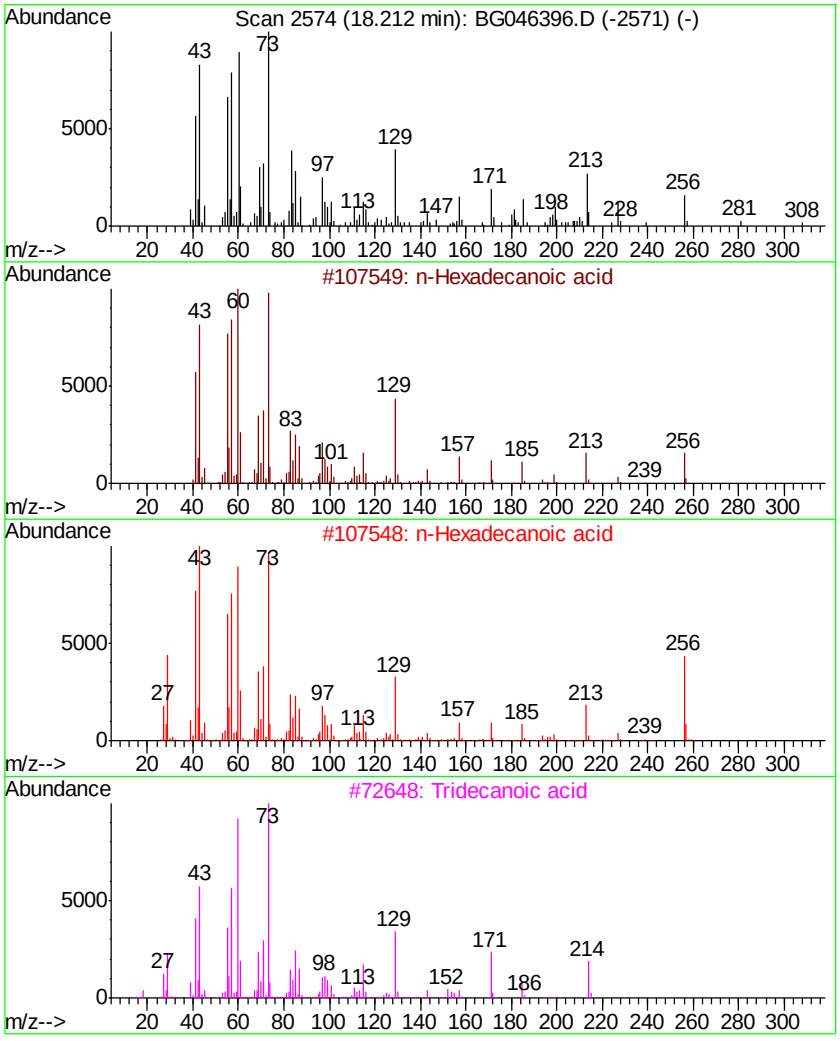
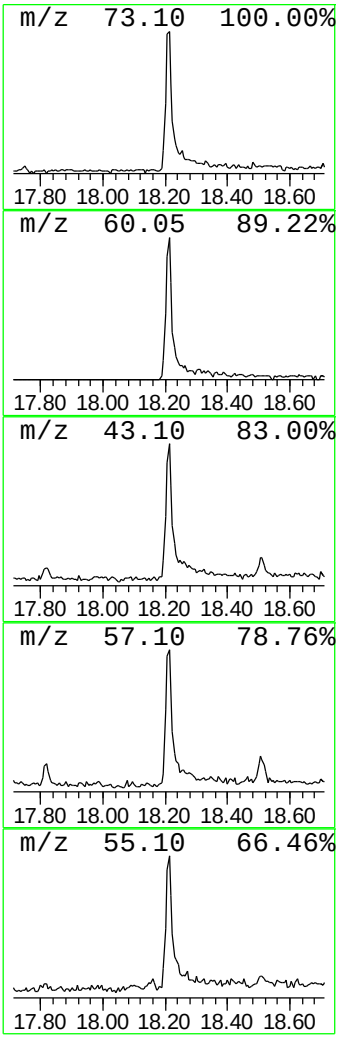
Peak Number 14 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	2.40 ng/ul	163044	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Octadecanoic acid	284	C18H36O2	000057-11-4	70





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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, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.89 ng/ul	264187	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
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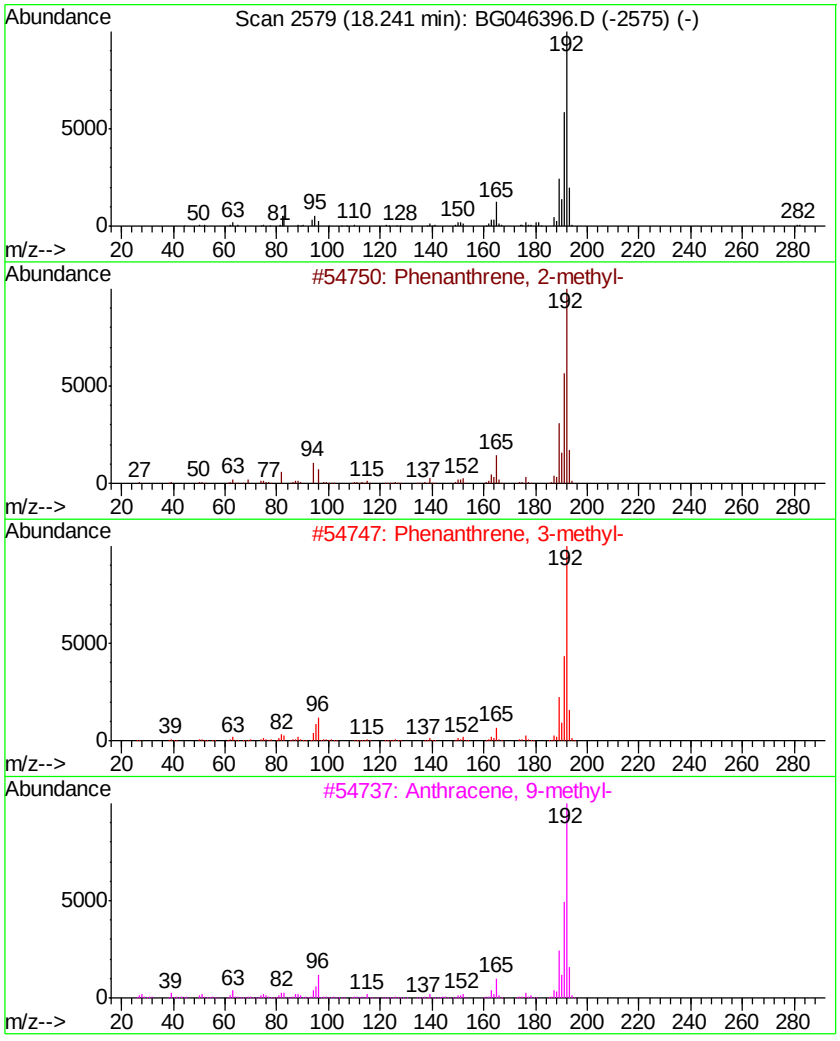
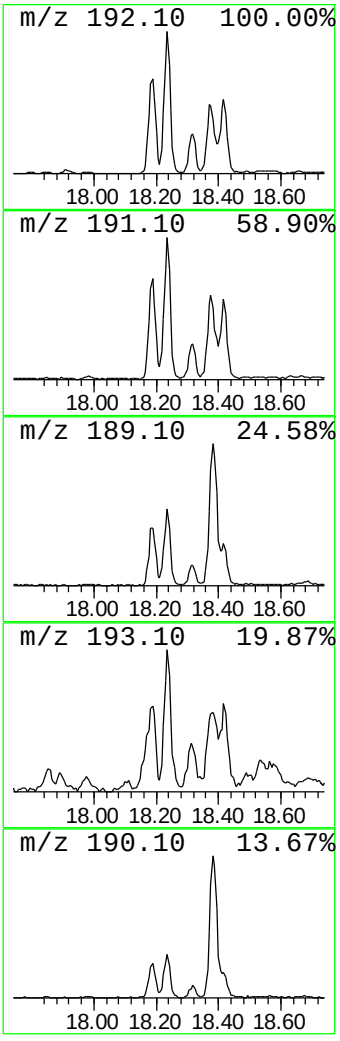
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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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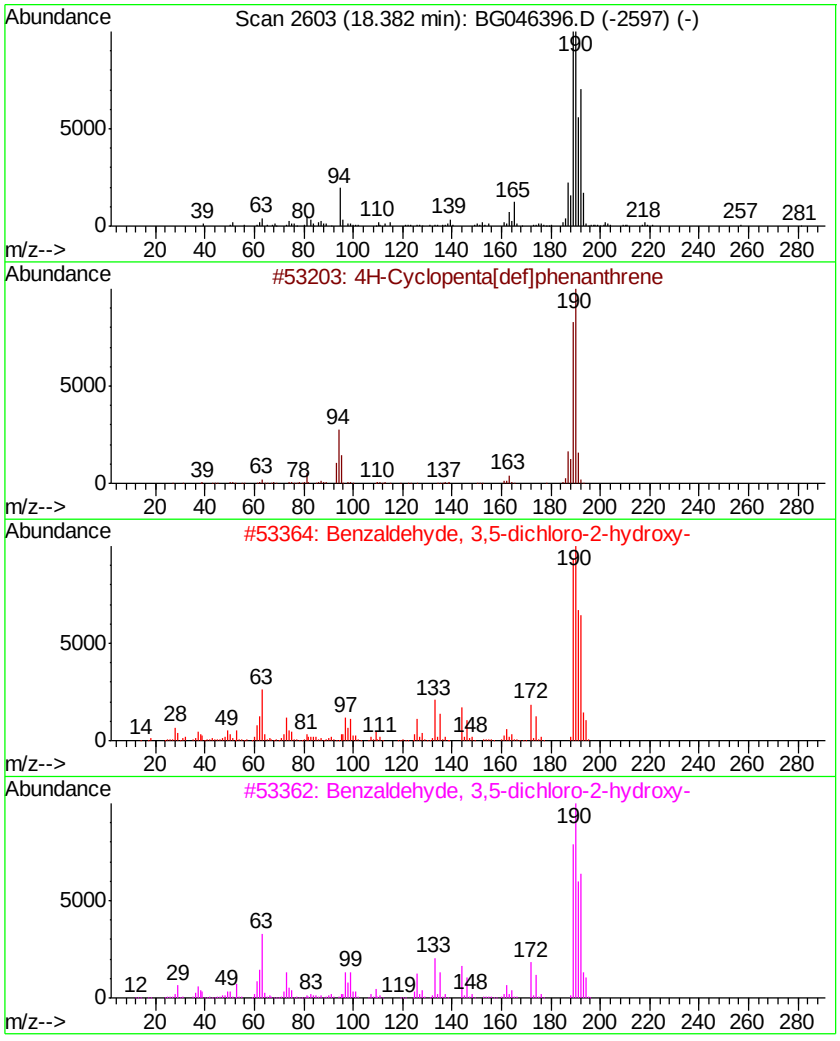
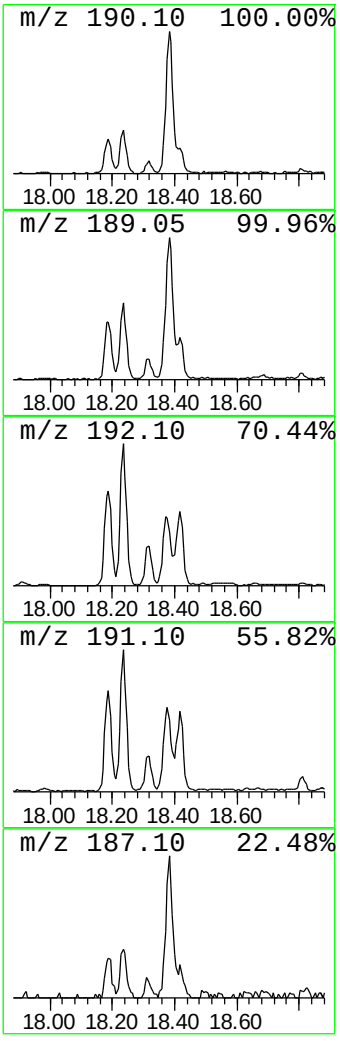
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.56 ng/ul	242079	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





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Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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

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

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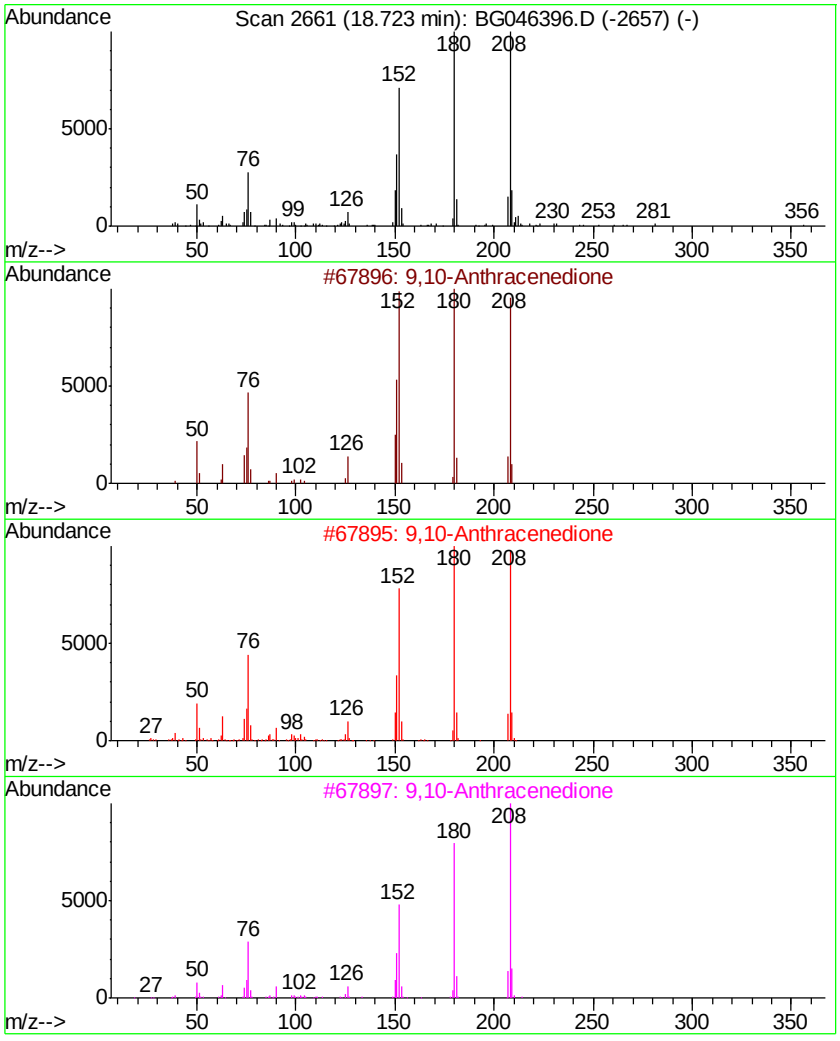
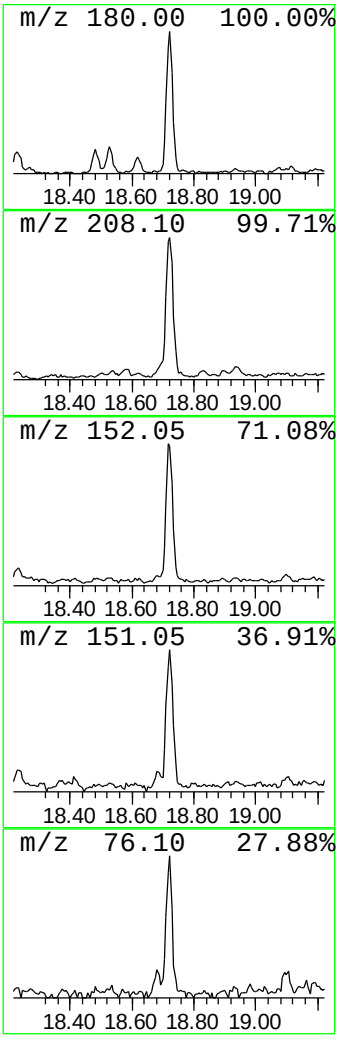
Peak Number 17 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.17 ng/ul	147169	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	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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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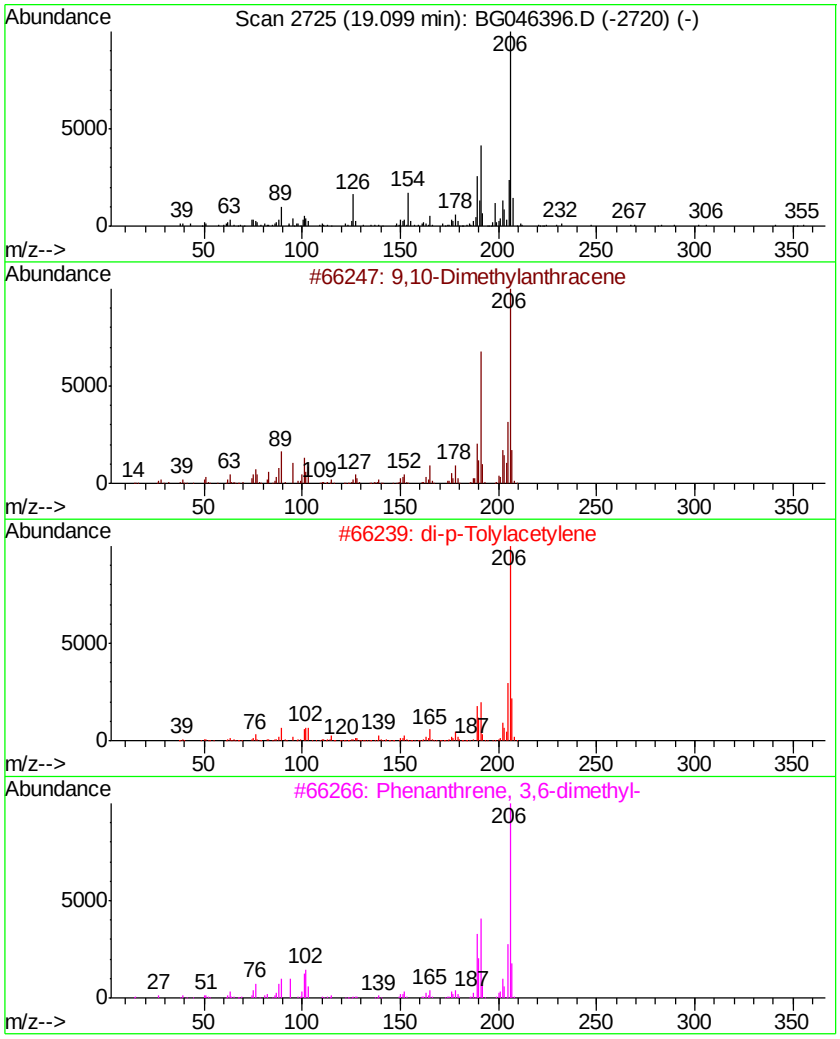
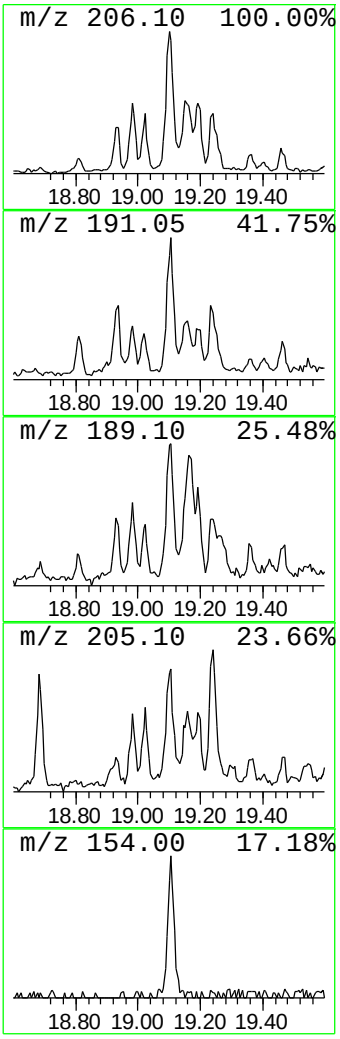
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.12 ng/ul	143975	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70





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Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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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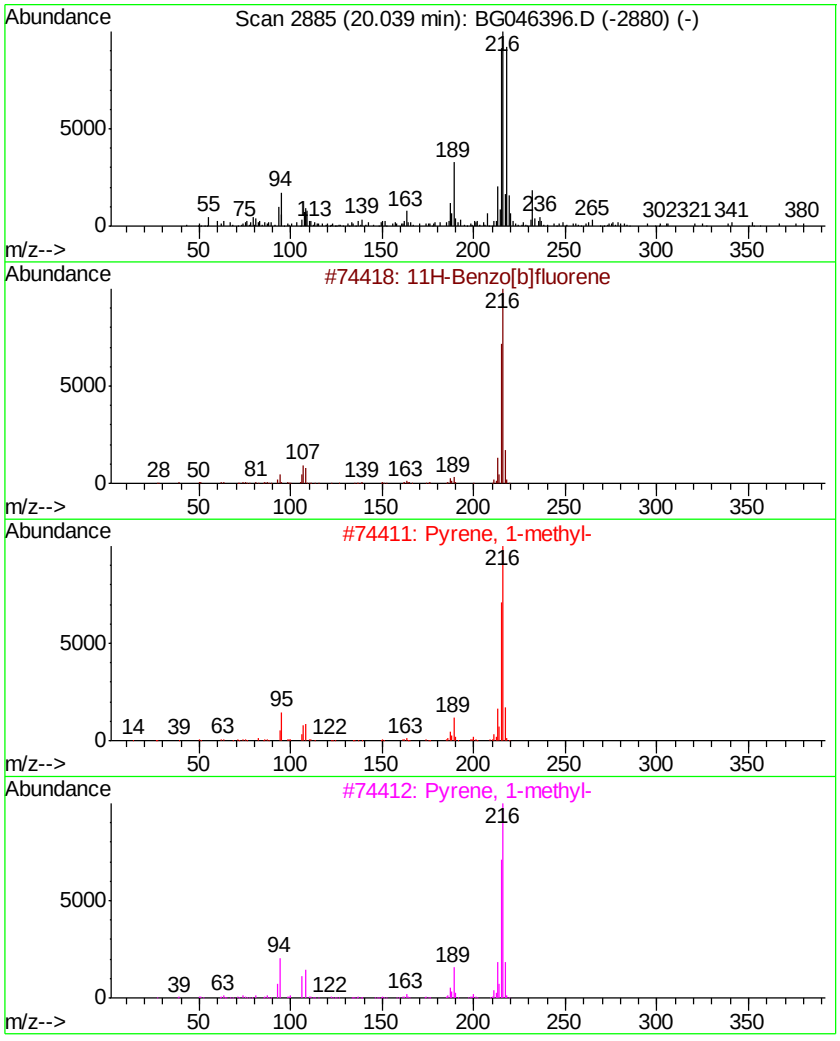
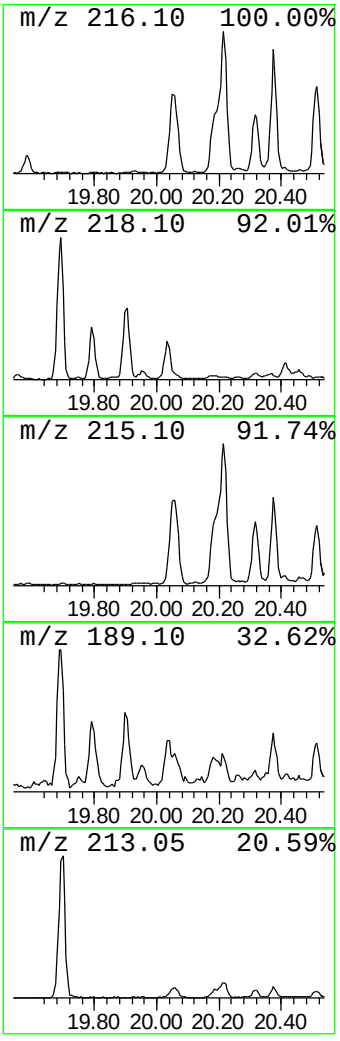
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.13 ng/ul	261993	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Library Search Compound Report

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Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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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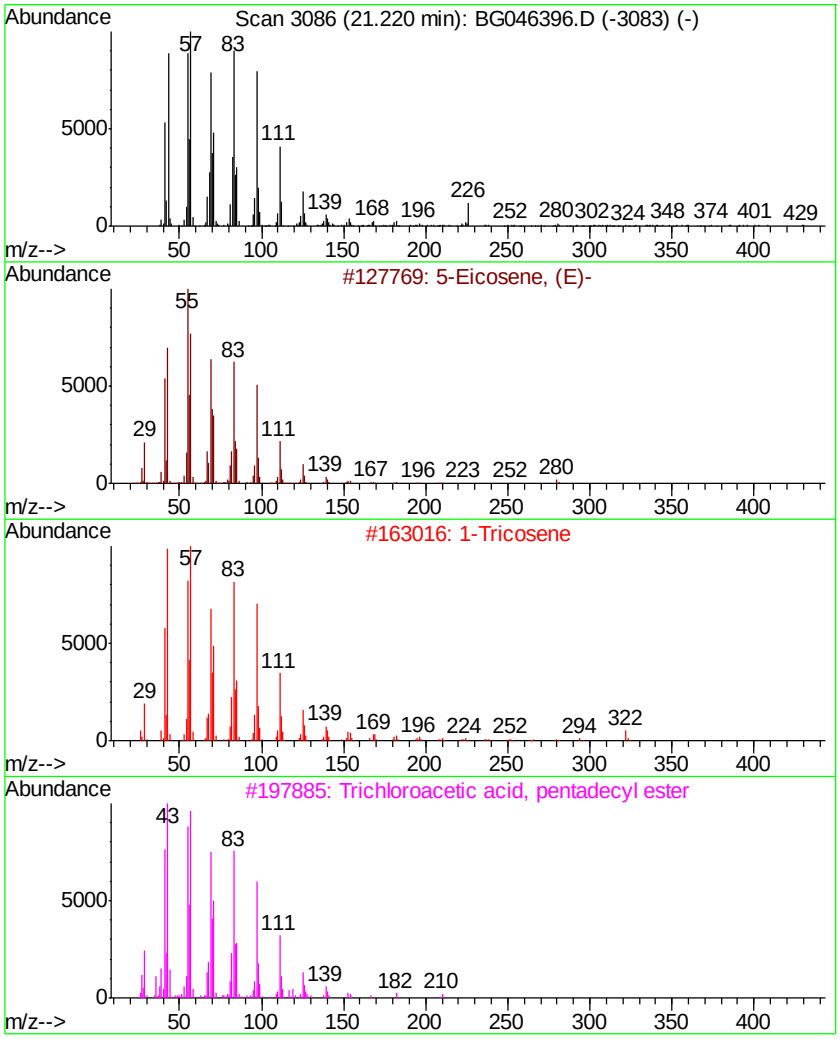
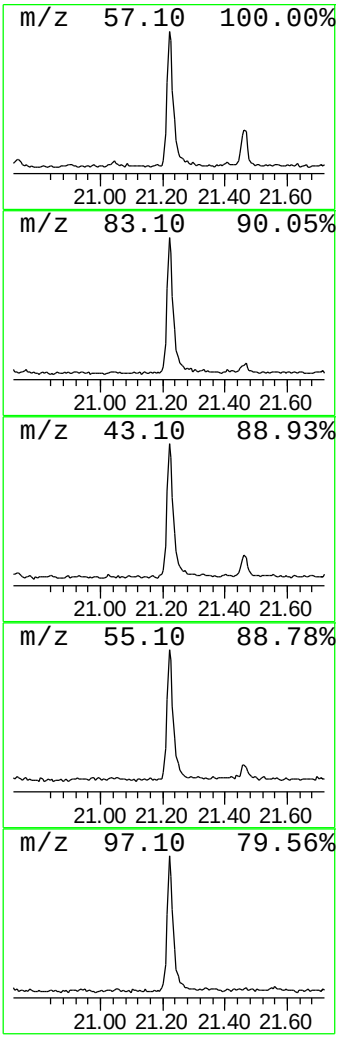
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	6.14 ng/ul	755023	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	1-Tricosene	322	C23H46	018835-32-0	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	94





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Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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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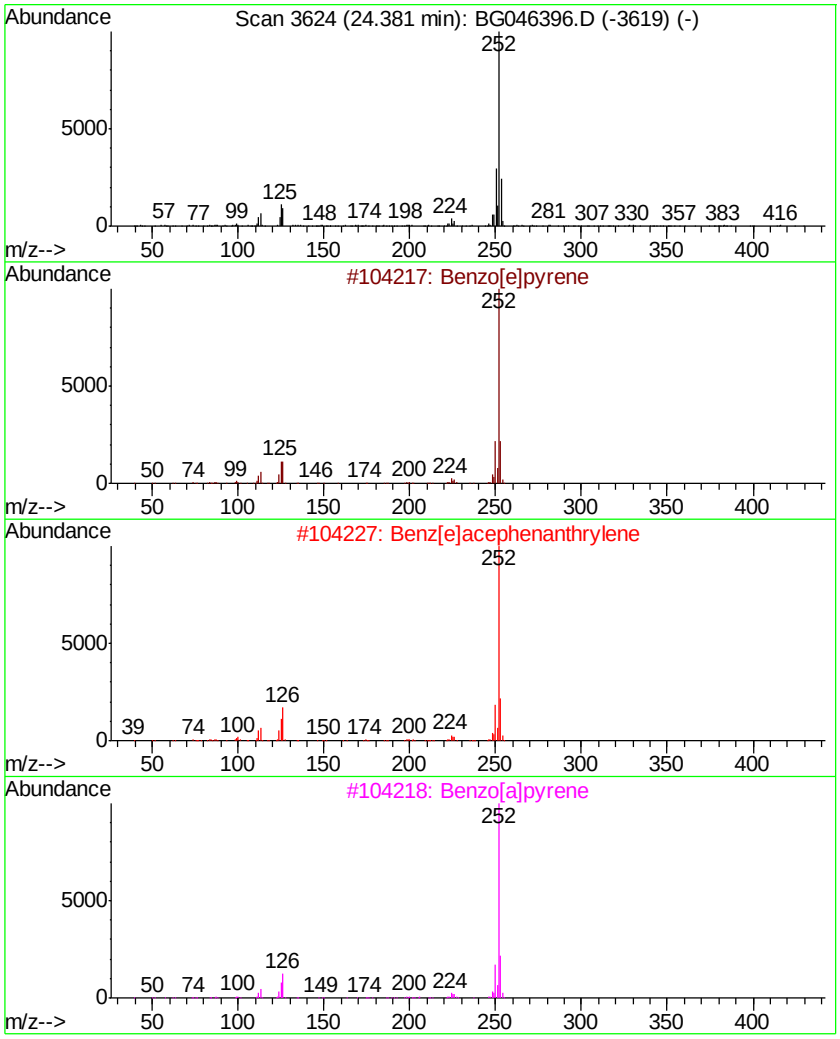
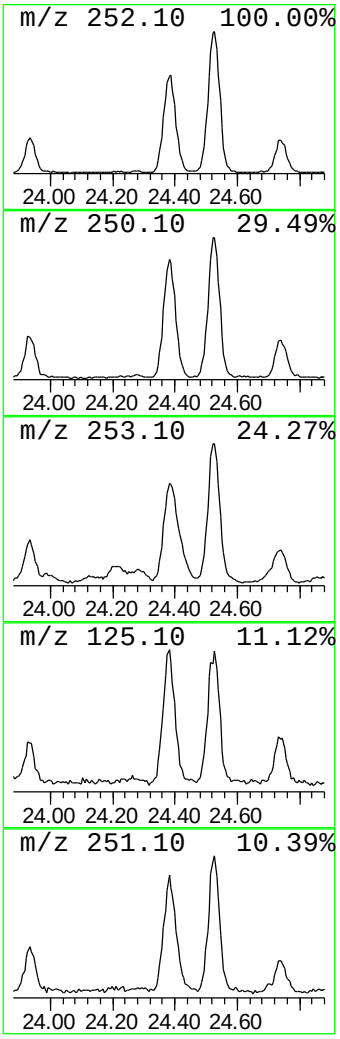
Peak Number 21 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	4.66 ng/ul	353693	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046396.D
Acq On : 21 Aug 2020 3:19
Operator : CG/JU
Sample : L3635-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH0

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	101.2	ng/ul	2578190	1	7.94	509789	20.0
4H-Imidazol-4-one...	7.11	17.2	ng/ul	438845	1	7.94	509789	20.0
unknown-01	7.27	12.7	ng/ul	323298	1	7.94	509789	20.0
unknown-02	7.48	16.9	ng/ul	431979	1	7.94	509789	20.0
unknown-03	8.65	20.2	ng/ul	514265	1	7.94	509789	20.0
1H-Imidazole, 4-m...	9.09	16.4	ng/ul	417569	1	7.94	509789	20.0
unknown-04	9.82	9.3	ng/ul	358916	2	10.74	774499	20.0
unknown-05	10.87	11.1	ng/ul	428648	2	10.74	774499	20.0
unknown-06	13.97	15.8	ng/ul	894589	3	14.57	1132020	20.0
Methyl propyl pht...	14.02	2.6	ng/ul	146517	3	14.57	1132020	20.0
unknown-07	14.77	6.4	ng/ul	364038	3	14.57	1132020	20.0
unknown-08	15.68	6.1	ng/ul	344468	3	14.57	1132020	20.0
Phenanthrene, 2-m...	18.19	2.2	ng/ul	147910	4	17.31	1358380	20.0
n-Hexadecanoic acid	18.21	2.4	ng/ul	163044	4	17.31	1358380	20.0
Phenanthrene, 3-m...	18.24	3.9	ng/ul	264187	4	17.31	1358380	20.0
4H-Cyclopenta[def...	18.38	3.6	ng/ul	242079	4	17.31	1358380	20.0
9,10-Anthracenedione	18.72	2.2	ng/ul	147169	4	17.31	1358380	20.0
9,10-Dimethylanth...	19.10	2.1	ng/ul	143975	4	17.31	1358380	20.0
11H-Benzo[b]fluorene	20.04	2.1	ng/ul	261993	5	21.56	2457610	20.0
(DEL) Alkane: Str...	21.22	6.1	ng/ul	755023	5	21.56	2457610	20.0
Benzo[e]pyrene	24.38	4.7	ng/ul	353693	6	24.67	1516730	20.0