LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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	3.146	5	10	29	rVB	459462	783885	28.71%	2.334%
2	3.399	48	53	63	rVB	15176	26533	0.97%	0.079%
3	3.693	99	103	105	rBV4	3967	4108	0.15%	0.012%
4	4.051	159	164	171	rVB4	5137	9585	0.35%	0.029%
5	4.145	176	180	183	rBV3	2886	3704	0.14%	0.011%
6	5.056	331	335	339	rVB4	3012	3802	0.14%	0.011%
7	7.112	678	685	699	rBV	274460	510247	18.69%	1.519%
8	7.271	705	712	722	rBV	214813	364686	13.36%	1.086%
9	7.476	740	747	755	rBV	288401	498451	18.25%	1.484%
10	7.553	757	760	767	rVB3	3965	8139	0.30%	0.024%
11	7.941	819	826	835	rBV	256380	435346	15.94%	1.296%
12	8.652	940	947	961	rBV	368970	630683	23.10%	1.878%
13	9.098	1015	1023	1033	rBV	267764	486099	17.80%	1.447%
14	9.274	1049	1053	1058	rVB5	2880	4798	0.18%	0.014%
15	9.821	1139	1146	1154	rBV	223884	410036	15.02%	1.221%
16	10.367	1231	1239	1250	rBV	372609	690034	25.27%	2.055%
17	10.737	1295	1302	1311	rBV	375386	668642	24.49%	1.991%
18	10.867	1317	1324	1333	rBV	337888	641572	23.50%	1.910%
19	12.324	1564	1572	1578	rBV	5468	9490	0.35%	0.028%
20	12.941	1671	1677	1678	rBV5	2207	3168	0.12%	0.009%
21	13.187	1715	1719	1723	rVB3	2976	4055	0.15%	0.012%
22	13.405	1752	1756	1760	rVB5	1908	2873	0.11%	0.009%
23	13.469	1764	1767	1774	rVB3	3977	6339	0.23%	0.019%
24	13.975	1846	1853	1858	rBV	665430	968718	35.48%	2.884%
25	14.022	1858	1861	1869	rVB	106100	138083	5.06%	0.411%
26	14.263	1893	1902	1915	rVB	815990	1270005	46.51%	3.781%
27	14.486	1936	1940	1946	rBV6	2084	2993	0.11%	0.009%
28	14.568	1946	1954	1962	rBV	614842	982828	35.99%	2.926%
29	14.774	1981	1989	2003	rBV	208627	391453	14.34%	1.166%
30	15.373	2088	2091	2096	rBV3	2259	3689	0.14%	0.011%
31	15.561	2115	2123	2132	rBV	1055187	1592836	58.33%	4.743%
32	15.684	2138	2144	2152	rBV	177072	261662	9.58%	0.779%
33	15.802	2158	2164	2168	rBV	11626	16836	0.62%	0.050%
34	15.925	2183	2185	2190	rVB4	1933	2796	0.10%	0.008%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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	2244	2247	2251	rBV4	1801	3013	0.11%	0.009%
36	16.348	2253	2257	2261	rVB4	4625	6686	0.24%	0.020%
37	16.818	2333	2337	2341	rBV4	1816	2973	0.11%	0.009%
38	16.860	2341	2344	2348	rBV4	6764	7431	0.27%	0.022%
39	16.995	2364	2367	2370	rVB4	2818	2888	0.11%	0.009%
40	17.118	2379	2388	2395	rBV2	41379	66408	2.43%	0.198%
41	17.312	2414	2421	2432	rBV	771399	1180292	43.22%	3.514%
42	17.412	2432	2438	2452	rVB	1086173	1608056	58.89%	4.788%
43	17.565	2458	2464	2478	rBV5	17086	47478	1.74%	0.141%
44	17.676	2481	2483	2489	rBV6	1866	3750	0.14%	0.011%
45	17.823	2504	2508	2511	rBV6	5250	8255	0.30%	0.025%
46	17.888	2512	2519	2525	rBV	198469	278881	10.21%	0.830%
47	17.964	2527	2532	2535	rBV5	16635	24099	0.88%	0.072%
48	18.082	2547	2552	2554	rBV4	8480	14520	0.53%	0.043%
49	18.117	2554	2558	2564	rVB2	53612	84273	3.09%	0.251%
50	18.187	2564	2570	2579	rBV3	306771	515006	18.86%	1.533%
51	18.276	2583	2585	2588	rVB2	4159	4529	0.17%	0.013%
52	18.399	2602	2606	2607	rBV4	8631	12249	0.45%	0.036%
53	18.417	2607	2609	2614	rVB6	14029	18848	0.69%	0.056%
54	18.469	2615	2618	2622	rVB6	6120	7485	0.27%	0.022%
55	18.552	2627	2632	2633	rBV4	35317	51739	1.89%	0.154%
56	18.587	2633	2638	2641	rVV	521723	756164	27.69%	2.251%
57	18.616	2641	2643	2649	rVB	415666	509756	18.67%	1.518%
58	18.699	2653	2657	2660	rVB6	13511	16391	0.60%	0.049%
59	18.746	2660	2665	2670	rBV	65604	90999	3.33%	0.271%
60	18.810	2672	2676	2680	rBV4	31667	39925	1.46%	0.119%
61	18.875	2682	2687	2691	rBV7	78201	134045	4.91%	0.399%
62	18.992	2702	2707	2710	rBV	118611	165521	6.06%	0.493%
63	19.028	2710	2713	2716	rVB5	19220	21623	0.79%	0.064%
64	19.069	2716	2720	2725	rBV	552995	745754	27.31%	2.220%
65	19.127	2725	2730	2737	rVB8	77045	156148	5.72%	0.465%
66	19.192	2737	2741	2742	rBV2	42832	47194	1.73%	0.141%
67	19.263	2748	2753	2757	rVB4	70471	99748	3.65%	0.297%
68	19.310	2757	2761	2762	rBV2	133164	169156	6.19%	0.504%
69	19.404	2772	2777	2784	rVB	395657	548909	20.10%	1.634%
70	19.474	2784	2789	2792	rBV	427135	570863	20.91%	1.700%
71	19.515	2792	2796	2802	rVB	1517314	1959971	71.78%	5.836%

LSC Area Percent Report

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Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

72	19.627	2812	2815	2818	rBV5	24952	28738	1.05%	0.086%
73	19.680	2818	2824	2825	rVV	1546883	1955585	71.62%	5.823%
74	19.703	2825	2828	2834	rVV	1936552	2730656	100.00%	8.130%
75	19.756	2834	2837	2841	rVV	64741	93768	3.43%	0.279%
76	19.809	2842	2846	2850	rVB2	69791	98009	3.59%	0.292%
77	19.921	2861	2865	2869	rVB	90777	118237	4.33%	0.352%
78	20.073	2887	2891	2895	rBV2	108162	134383	4.92%	0.400%
79	20.156	2902	2905	2909	rBV4	47221	71418	2.62%	0.213%
80	20.338	2932	2936	2939	rVB3	75063	94552	3.46%	0.282%
81	20.438	2949	2953	2957	rBV	195721	236071	8.65%	0.703%
82	20.520	2965	2967	2973	rVB7	46767	56364	2.06%	0.168%
83	20.643	2984	2988	2992	rBV	330127	407398	14.92%	1.213%
84	21.225	3083	3087	3102	rVB	233010	382287	14.00%	1.138%
85	21.566	3139	3145	3154	rVB	758636	1250071	45.78%	3.722%
86	22.999	3383	3389	3403	rVB	466678	919837	33.69%	2.739%
87	24.468	3630	3639	3651	rVB	670497	1784860	65.36%	5.314%
88	24.680	3667	3675	3693	rVB2	449834	1404160	51.42%	4.181%

Sum of corrected areas: 33585594

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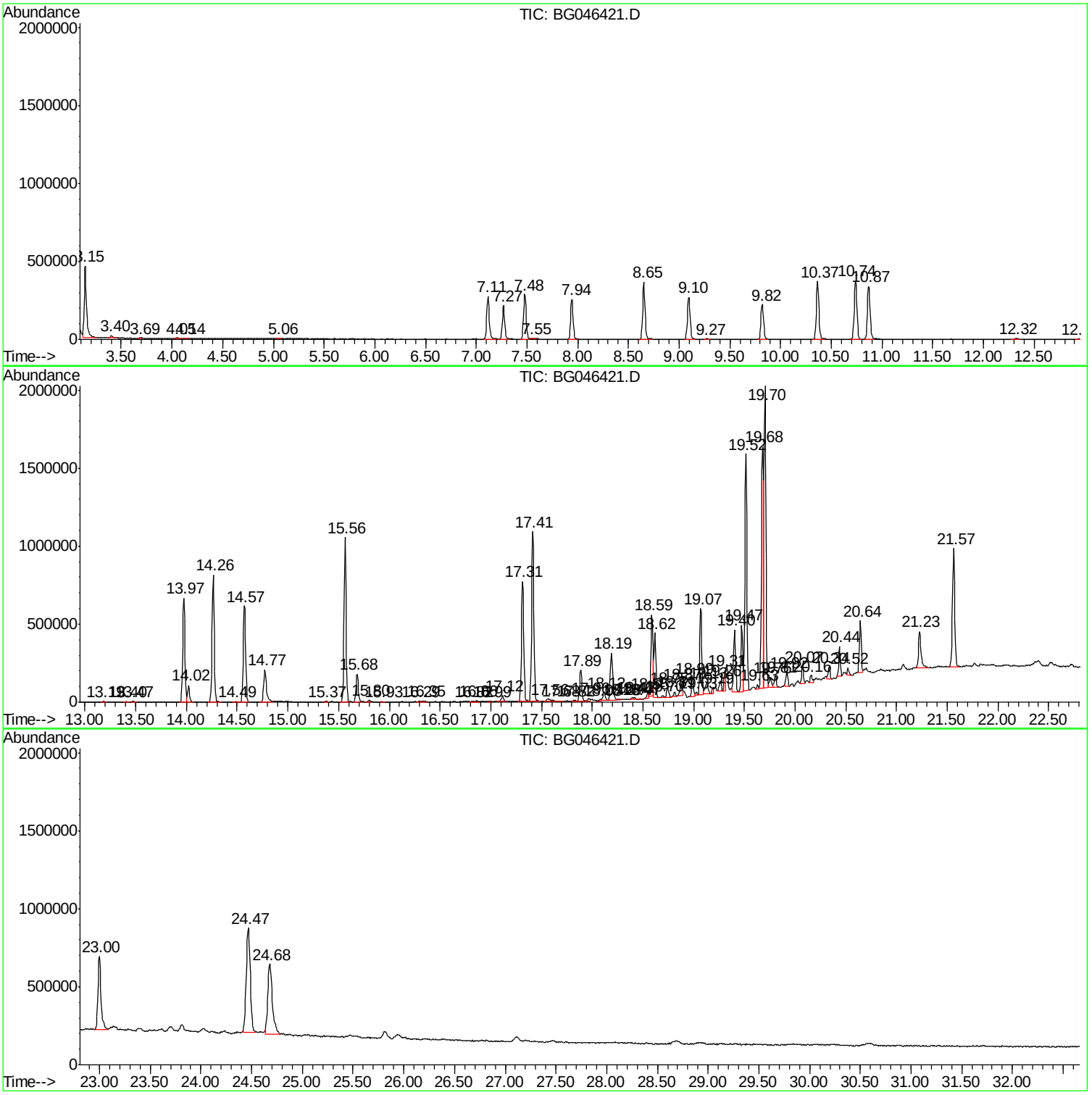
Instrument : BNA_G
ClientSampleId : BFMX2

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 : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

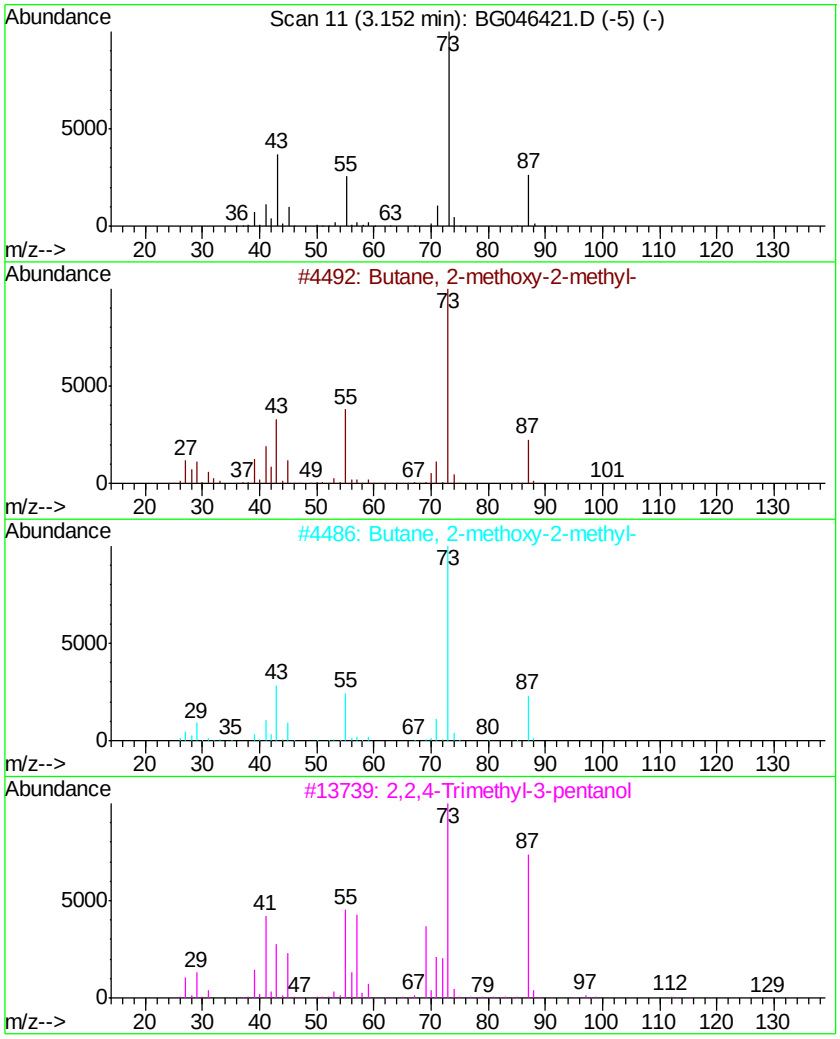
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

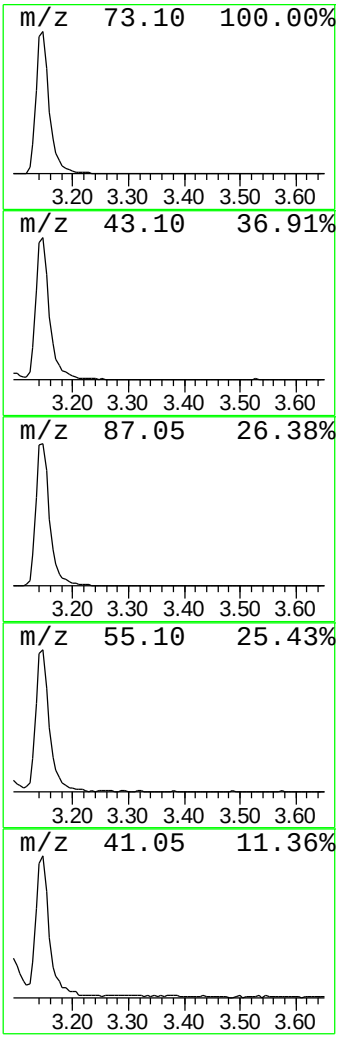
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	36.01 ng/ul	783885	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	25
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 : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

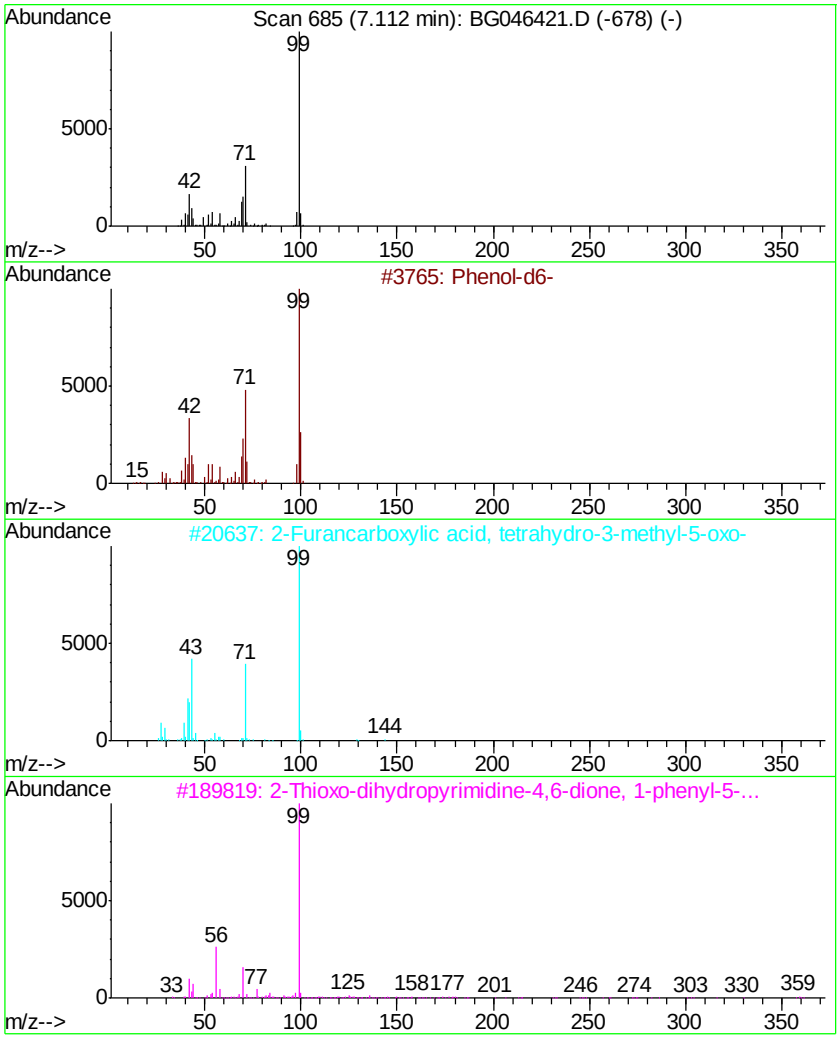
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

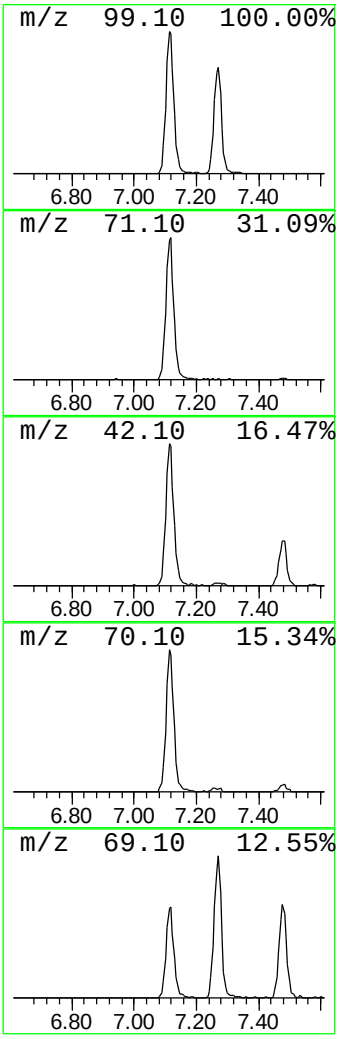
****

Peak Number 2 2-Furancarboxylic acid, tet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	23.44 ng/ul	510247	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol-d6-	100	C6D6O	013127-88-3	64
2	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
3	2-Thioxo-dihydropyrimidine-4,6-d...	359	C17H21N5O2S	1000304-28-6	50
4	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45
5	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	45





Library Search Compound Report

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Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

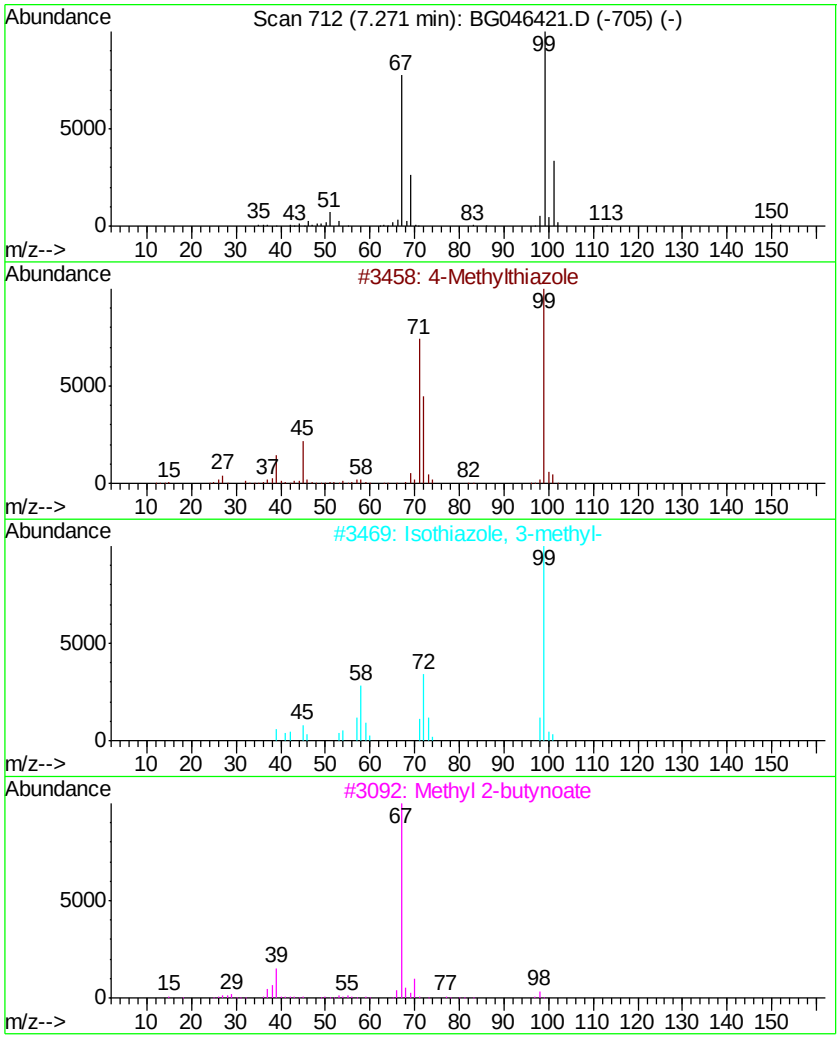
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

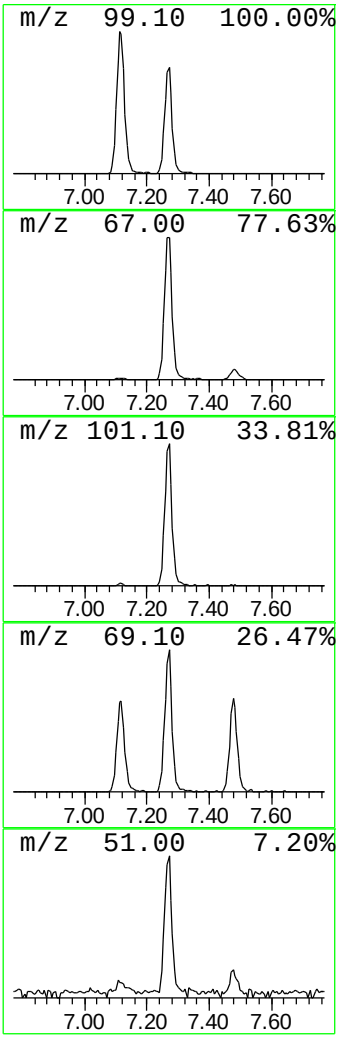
****

Peak Number 3 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	16.75 ng/ul	364686	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylthiazole	99	C4H5NS	000693-95-8	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	Methyl 2-butynoate	98	C5H6O2	023326-27-4	9
4	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9
5	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7





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Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

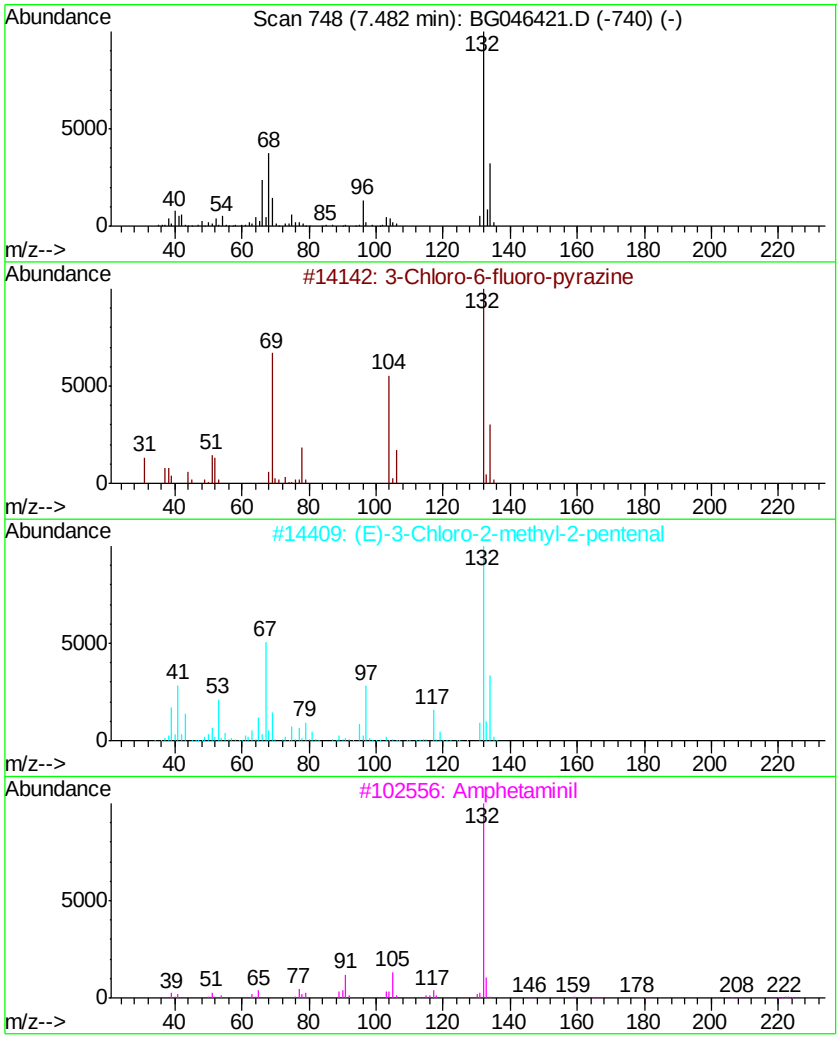
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

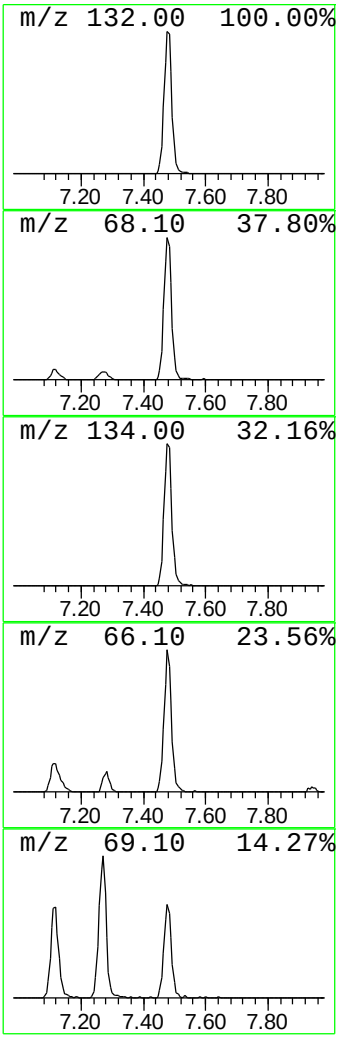
****

Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	22.90 ng/ul	498451	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Data File : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

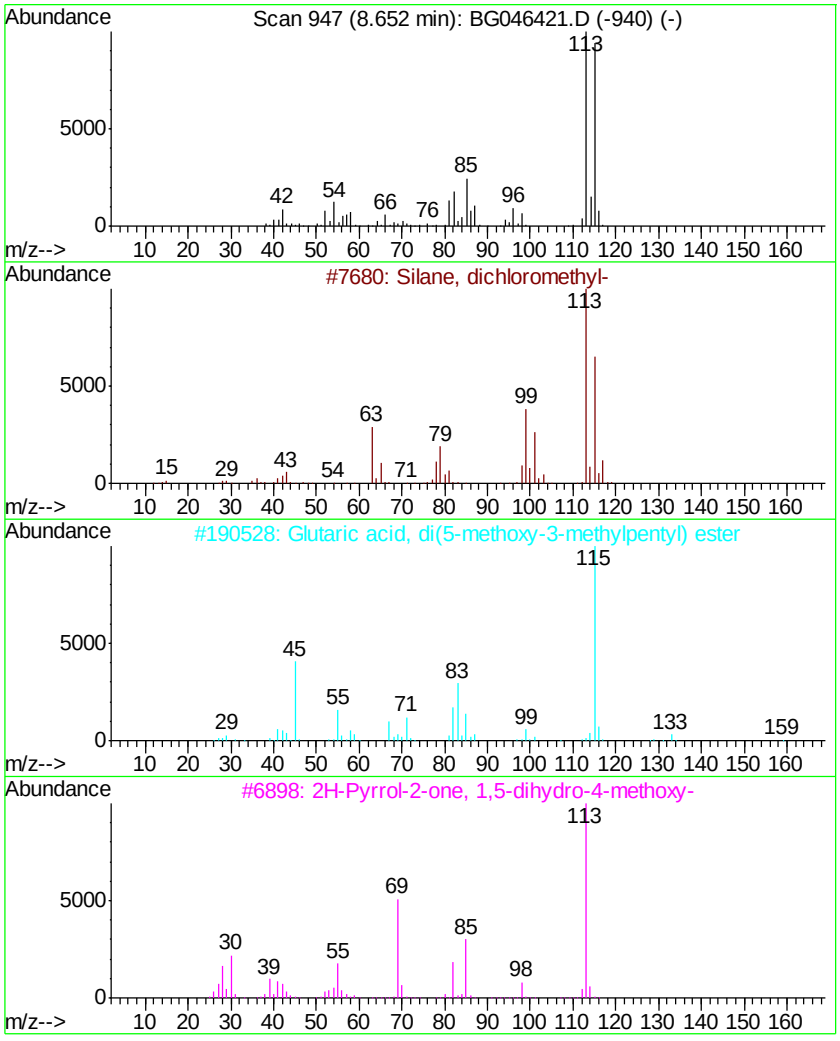
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

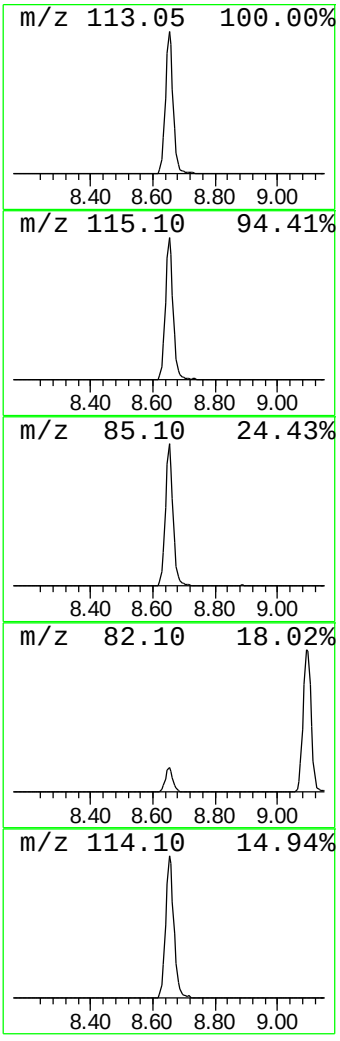
****

Peak Number 5 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	28.97 ng/ul	630683	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
4	3,4-Methylpropylsuccinimide	155	C8H13NO2	1000248-78-0	25
5	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	25





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Data File : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

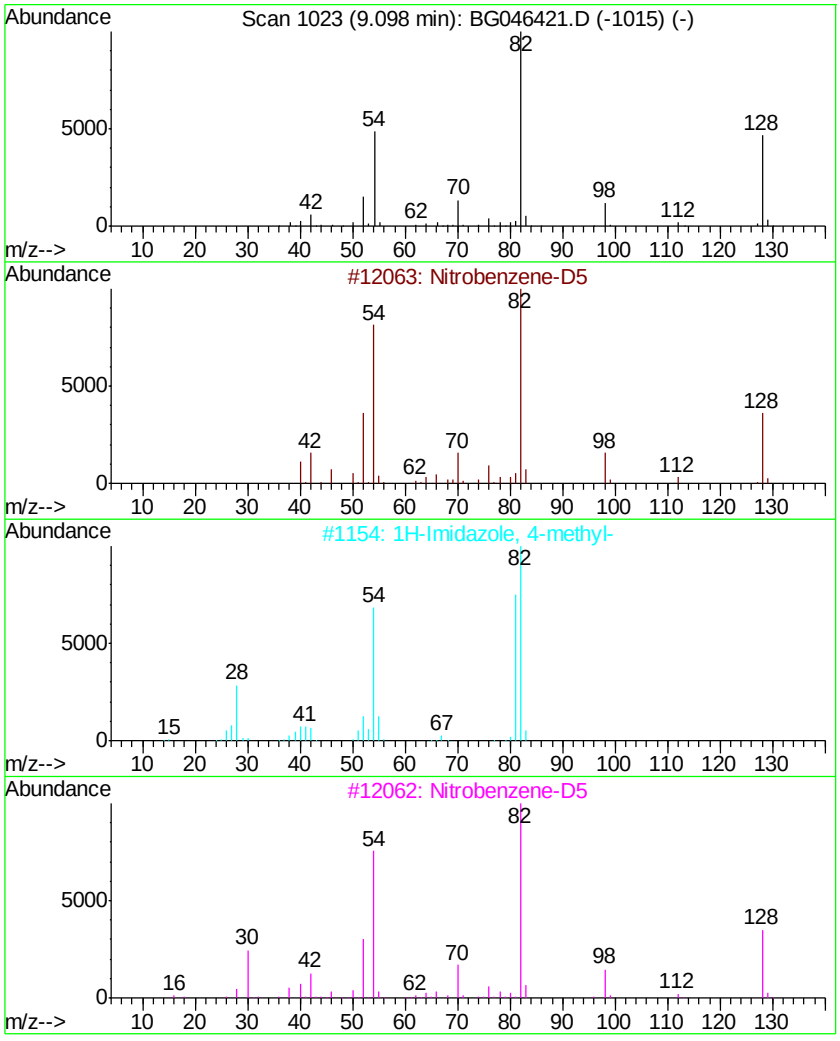
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

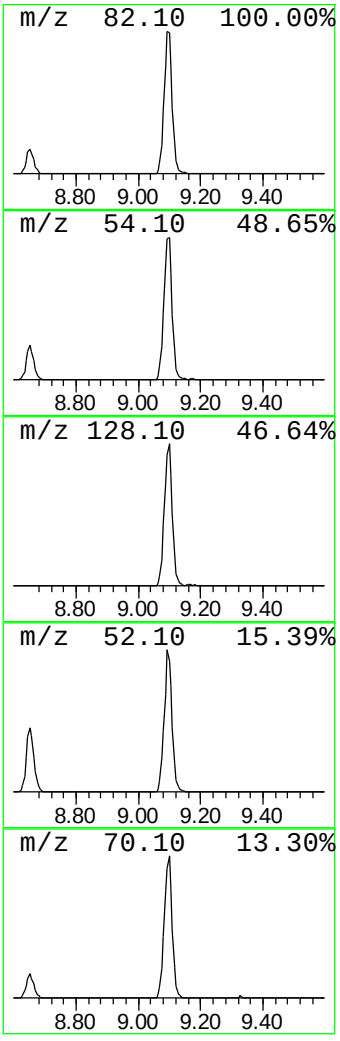
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	22.33 ng/ul	486099	1,4-Dichlorobenzene-d4	7.94

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





Library Search Compound Report

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Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
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Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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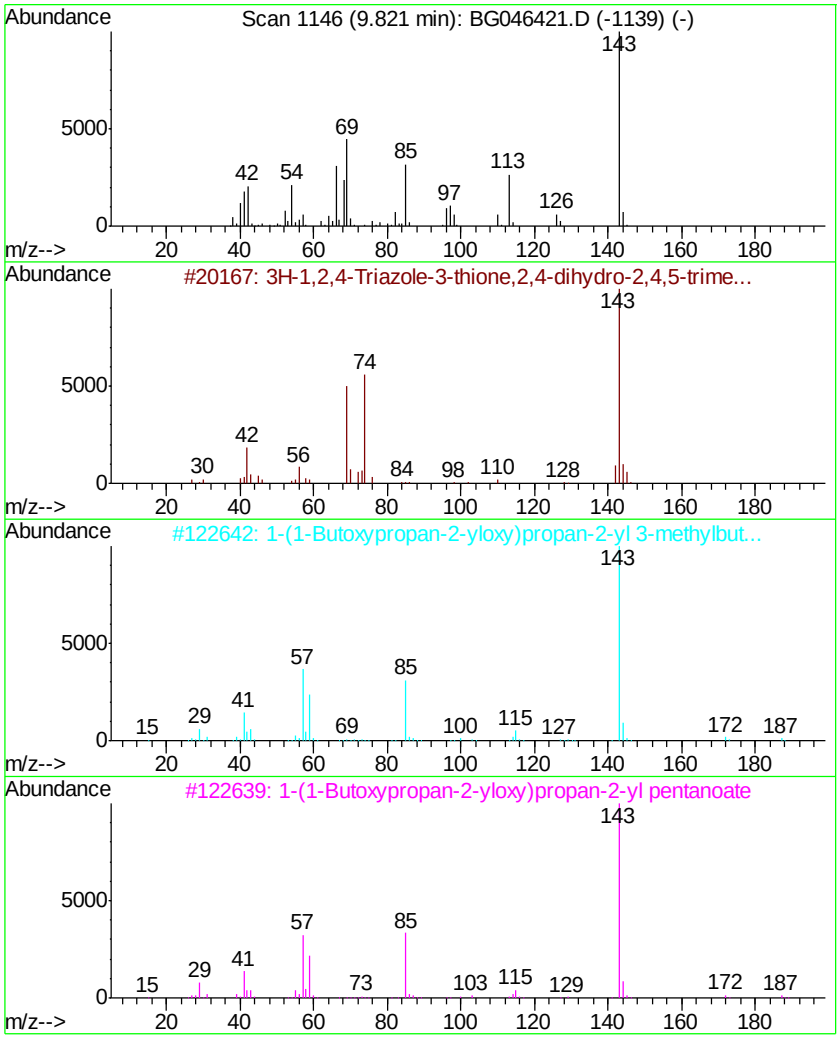
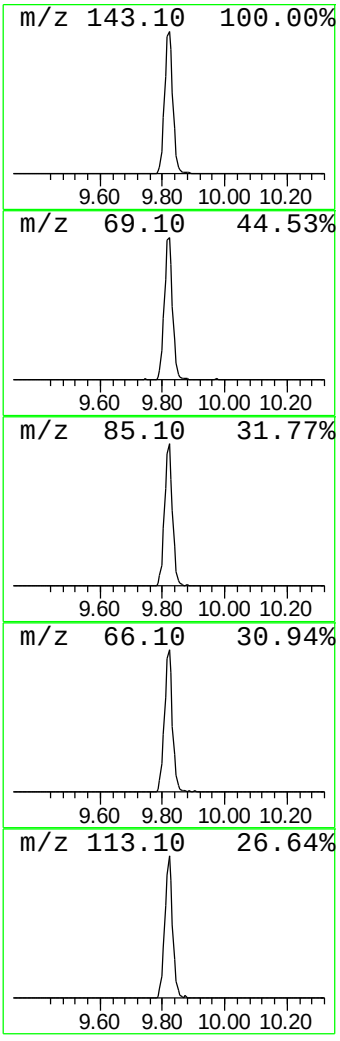
Peak Number 7 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	12.26 ng/ul	410036	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2,4-Triazole-3-thione,2,4-d...	143	C5H9N3S	037526-42-4	14
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	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-10-9	10
5	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10





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Sample : L3649-05
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Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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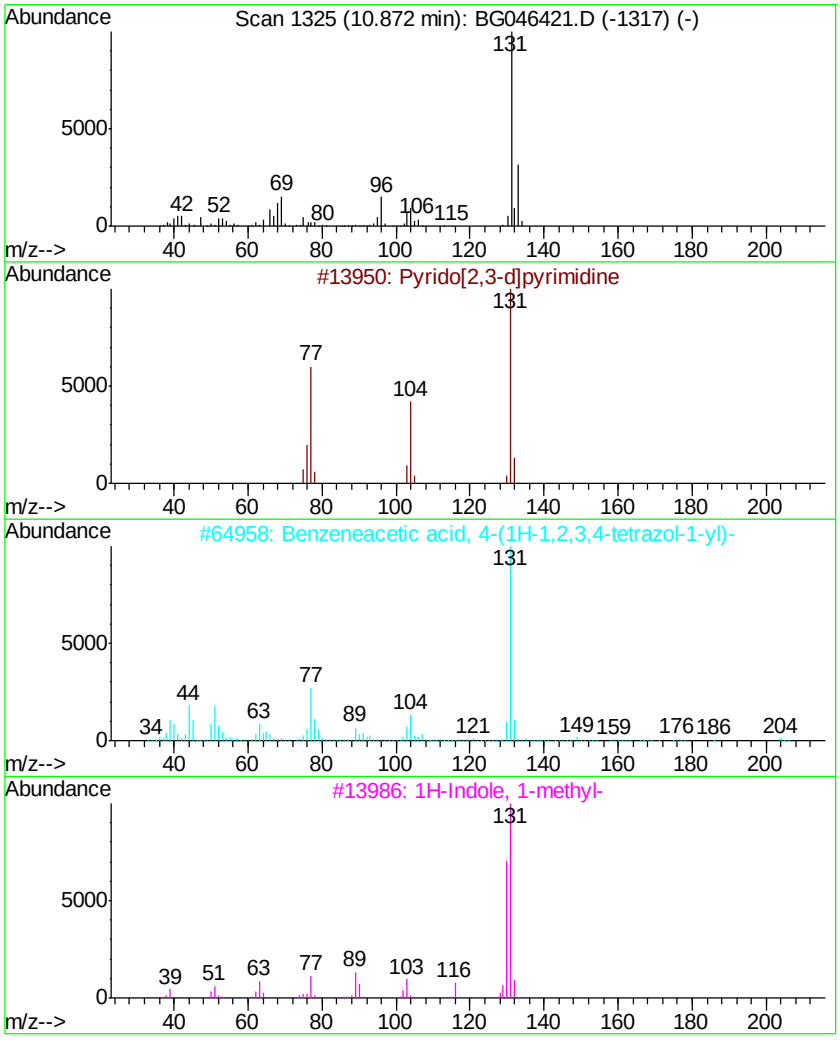
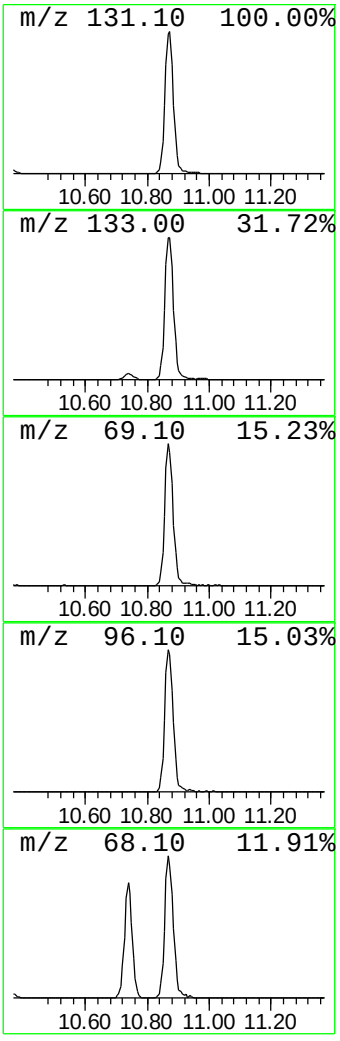
Peak Number 8 unknown-05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	19.19 ng/ul	641572	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	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
4	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9
5	Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	9





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Sample : L3649-05
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Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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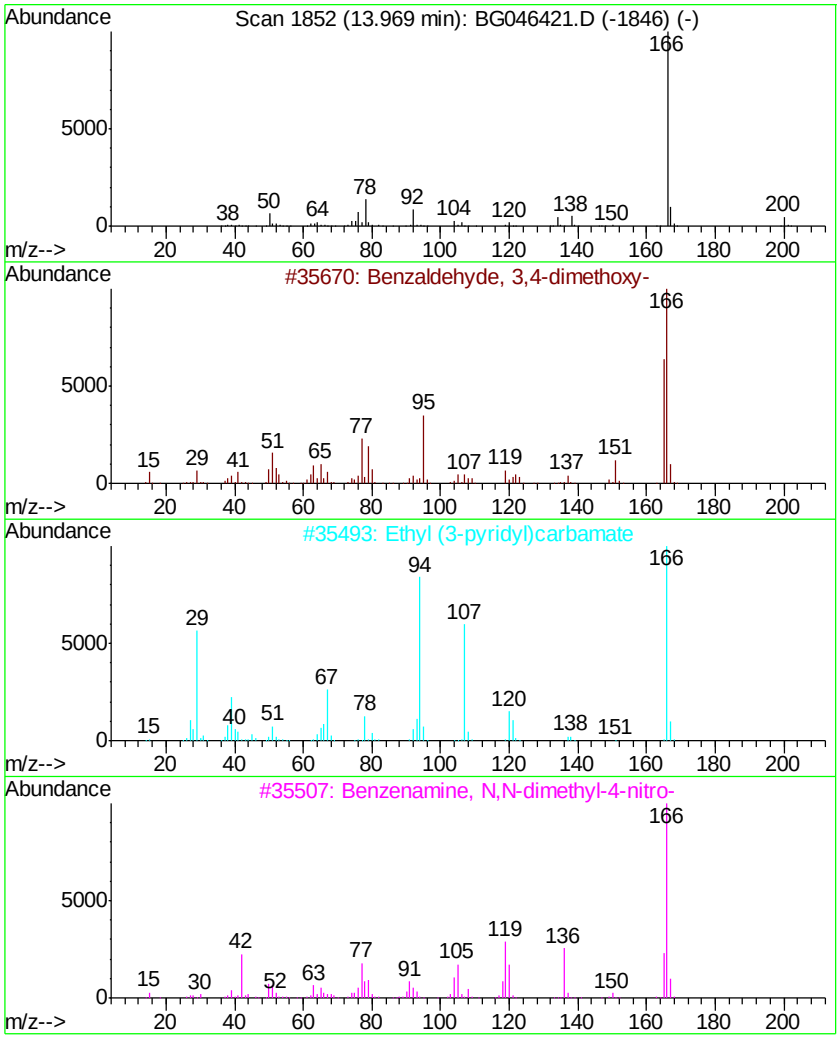
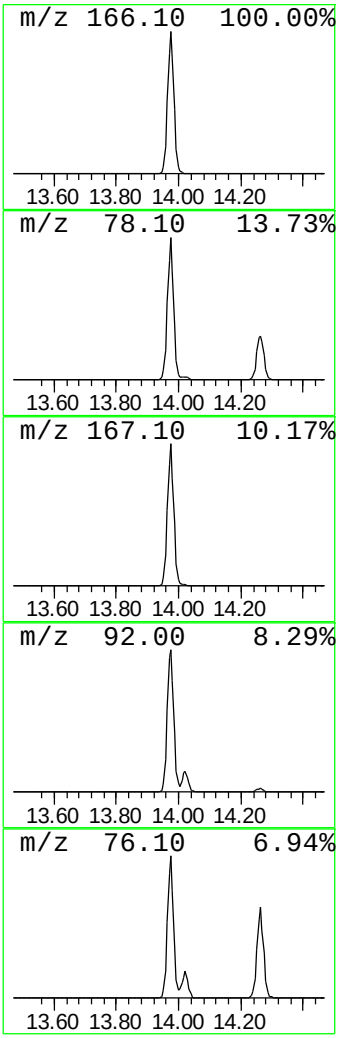
Peak Number 9 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	19.71 ng/ul	968718	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	1H-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
5	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36





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Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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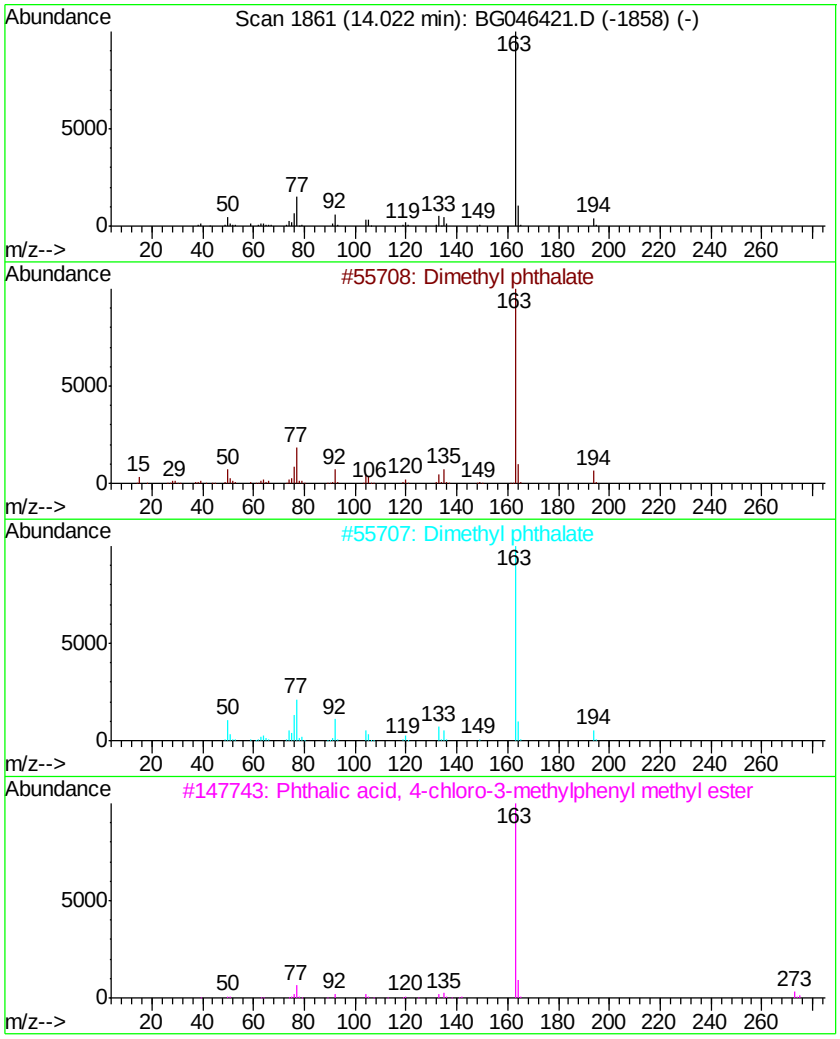
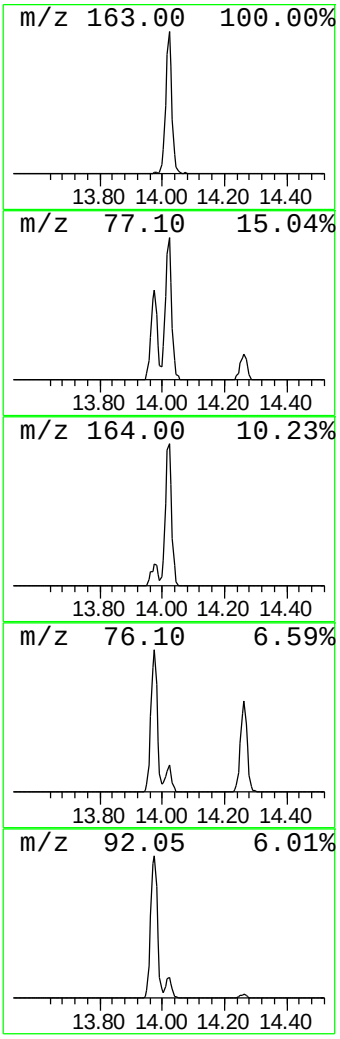
Peak Number 10 Dimethyl phthalate Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.81 ng/ul	138083	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
3	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	83
4	2-Ethylbutyl methyl phthalate	264	C15H20O4	1000373-89-6	83
5	Phthalic acid, 2-isopropylphenyl...	298	C18H18O4	1000315-52-2	83





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Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
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Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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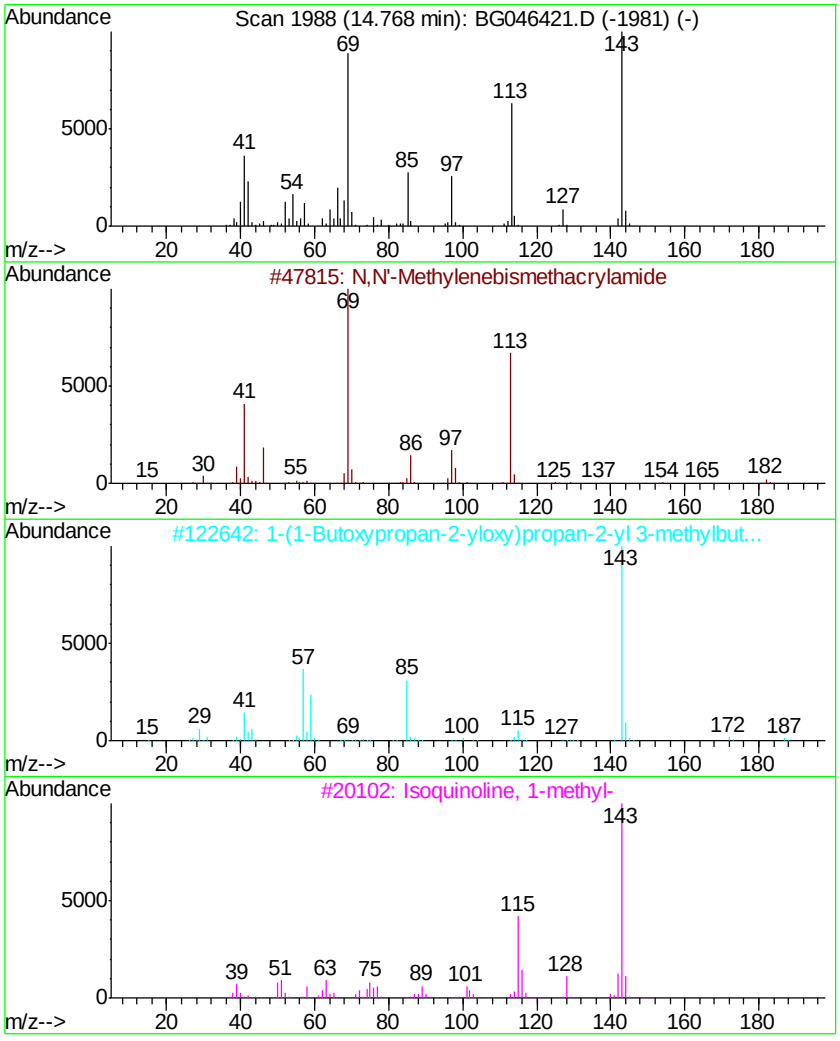
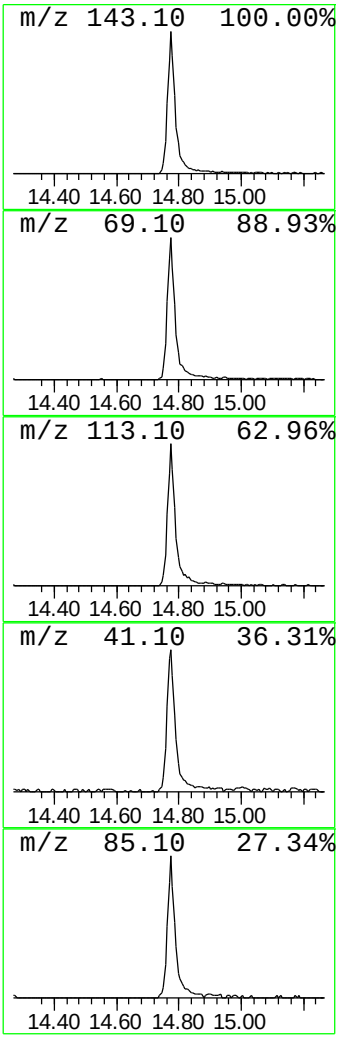
Peak Number 11 unknown-07 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	7.97 ng/ul	391453	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	35
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	16
3	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	14
4	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
5	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12





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ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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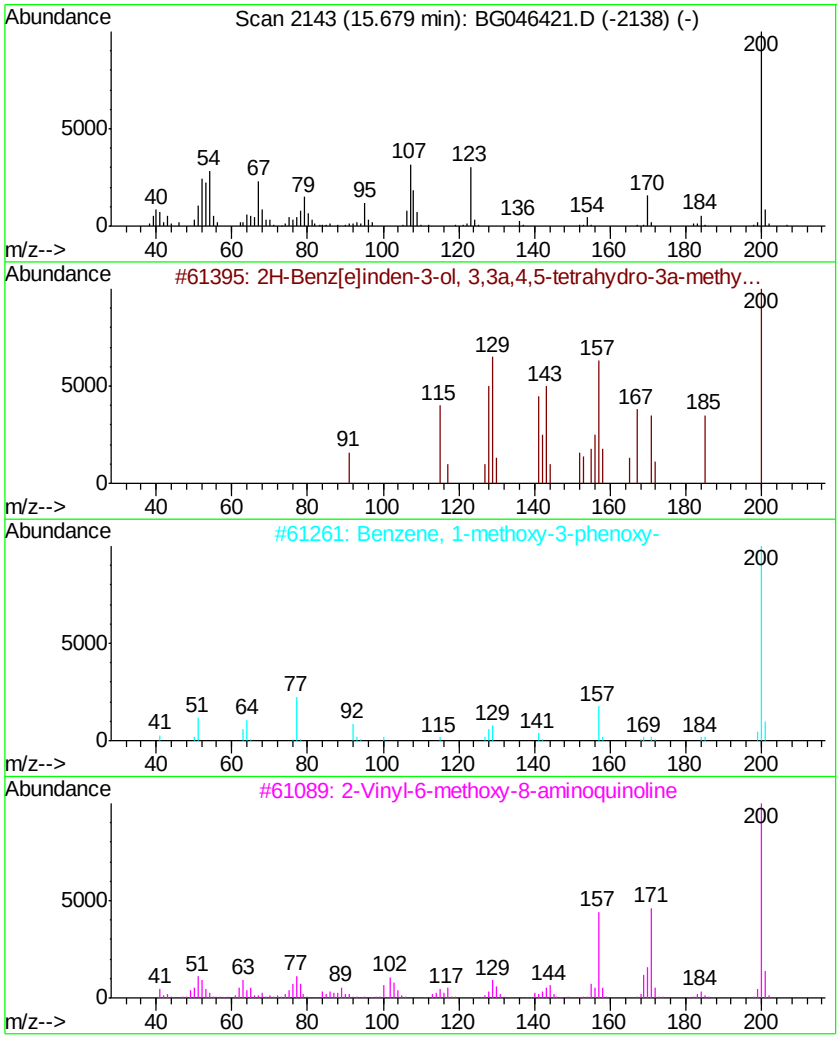
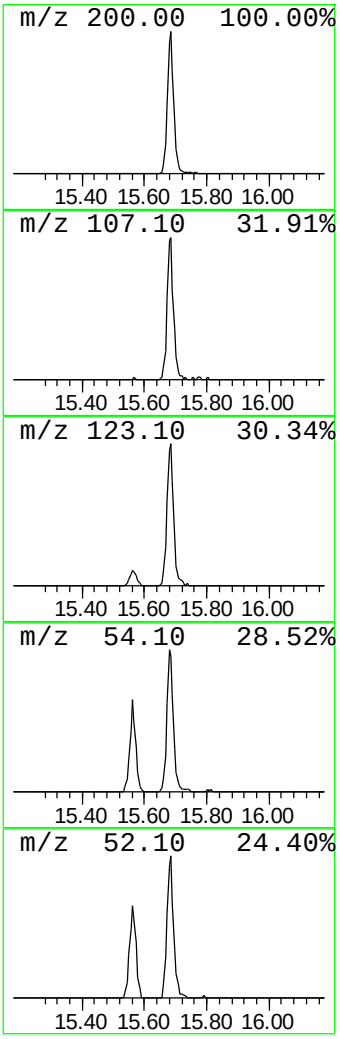
Peak Number 12 unknown-08 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	5.32 ng/ul	261662	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	38
2	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	22
3	2-Vinyl-6-methoxy-8-aminoquinoline	200	C12H12N2O	064992-65-0	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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Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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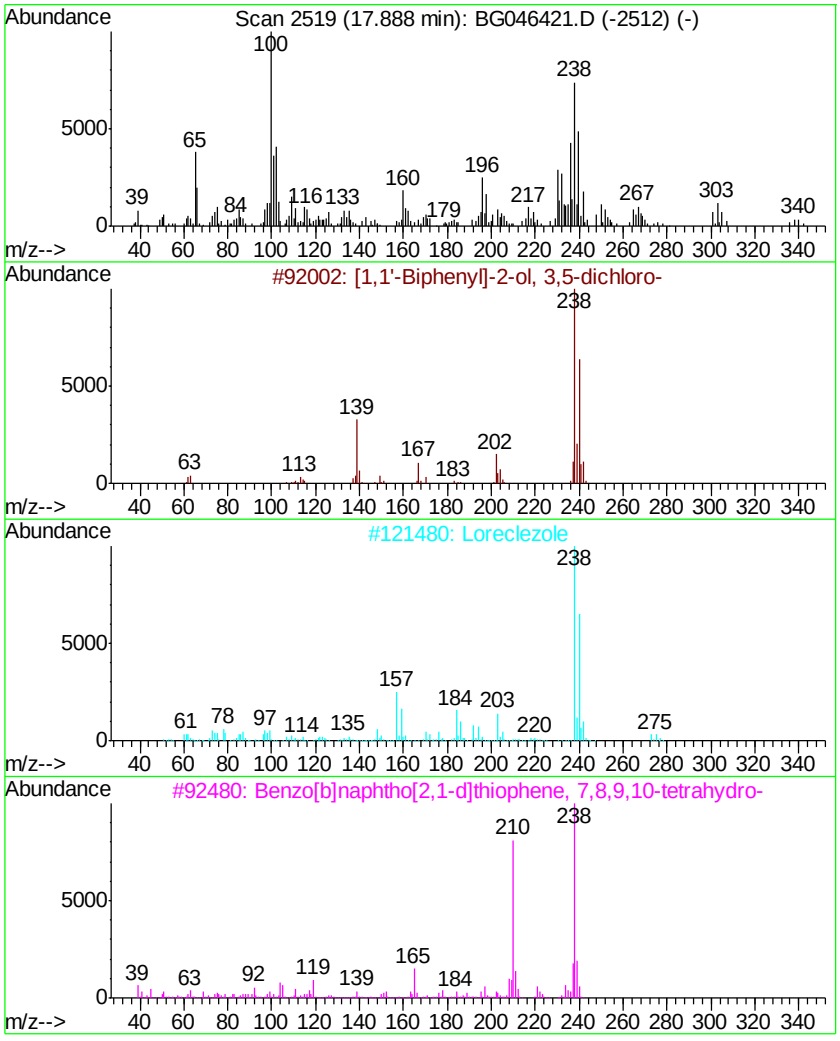
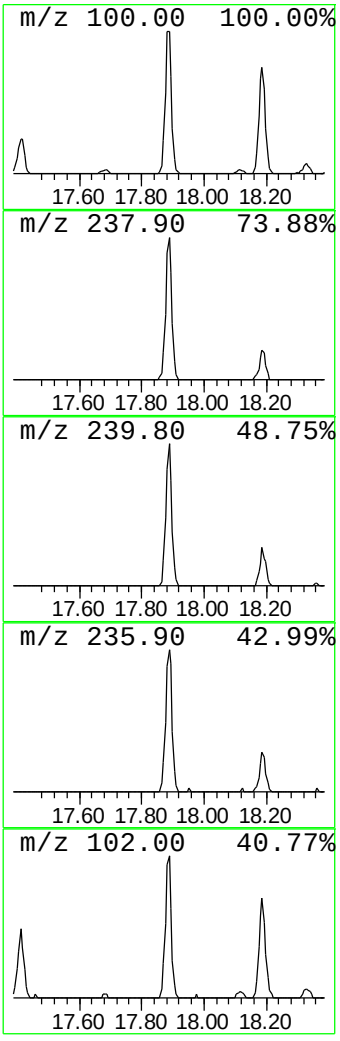
Peak Number 13 unknown-09 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.73 ng/ul	278881	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-2-ol, 3,5-dichloro-	238	C12H8Cl2O	005335-24-0	11
2	Loreclezole	273	C10H6Cl3N3	117857-45-1	10
3	Benzo[b]naphtho[2,1-d]thiophene,...	238	C16H14S	016587-63-6	10
4	cis-2,3,4,5-Tetrahydro-2-methyl-...	238	C16H18N2	029476-06-0	10
5	2-Phenylbenzimidazole-5-carboxyl...	238	C14H10N2O2	066630-70-4	10





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Sample : L3649-05
Misc :
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Instrument : BNA_G
ClientSampleId : BFMX2

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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 Chlordene, .alpha.- (cis) Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	8.73 ng/ul	515006	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chlordene, .alpha.- (cis)	336	C10H6Cl6	1000378-50-5	96
2	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	96
3	Heptachlor	370	C10H5Cl7	000076-44-8	96
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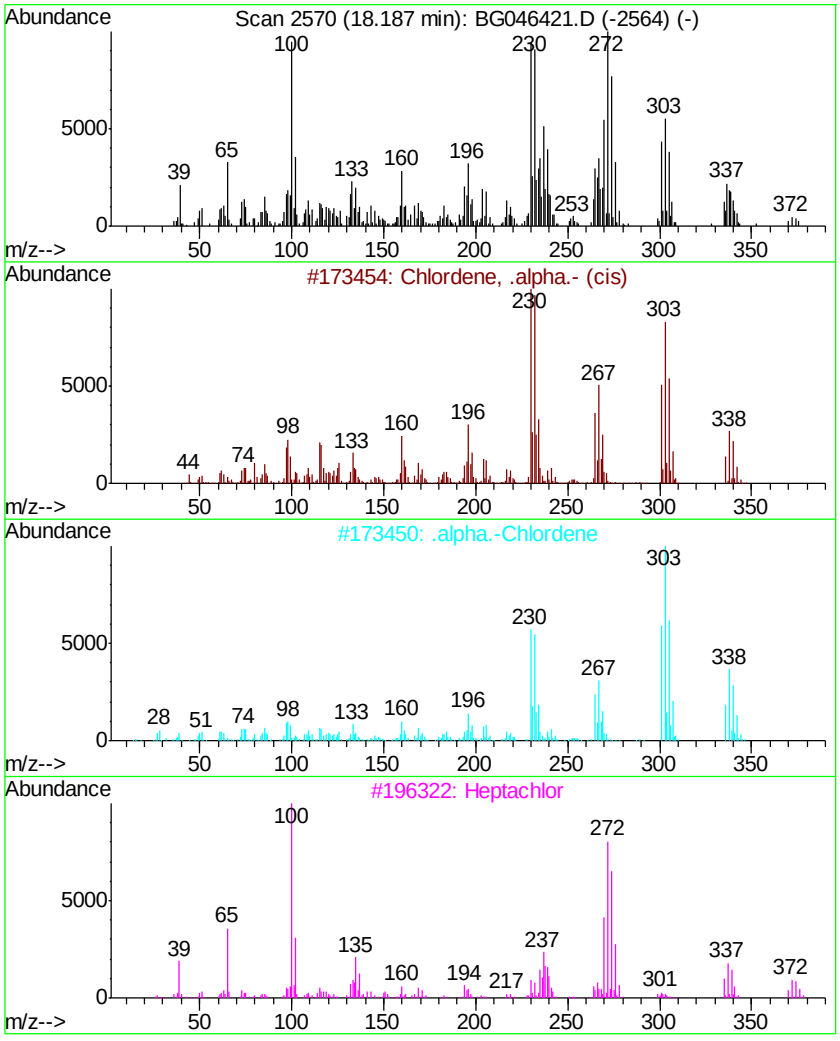
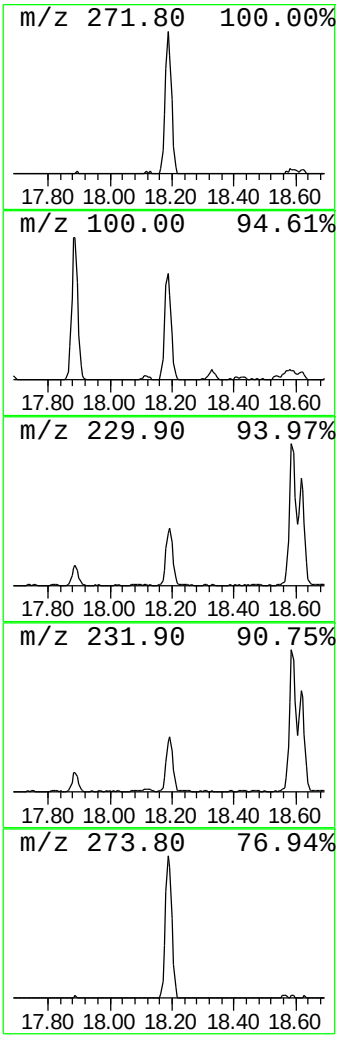
5	Heptachlor	370	C10H5Cl7	000076-44-8	95





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Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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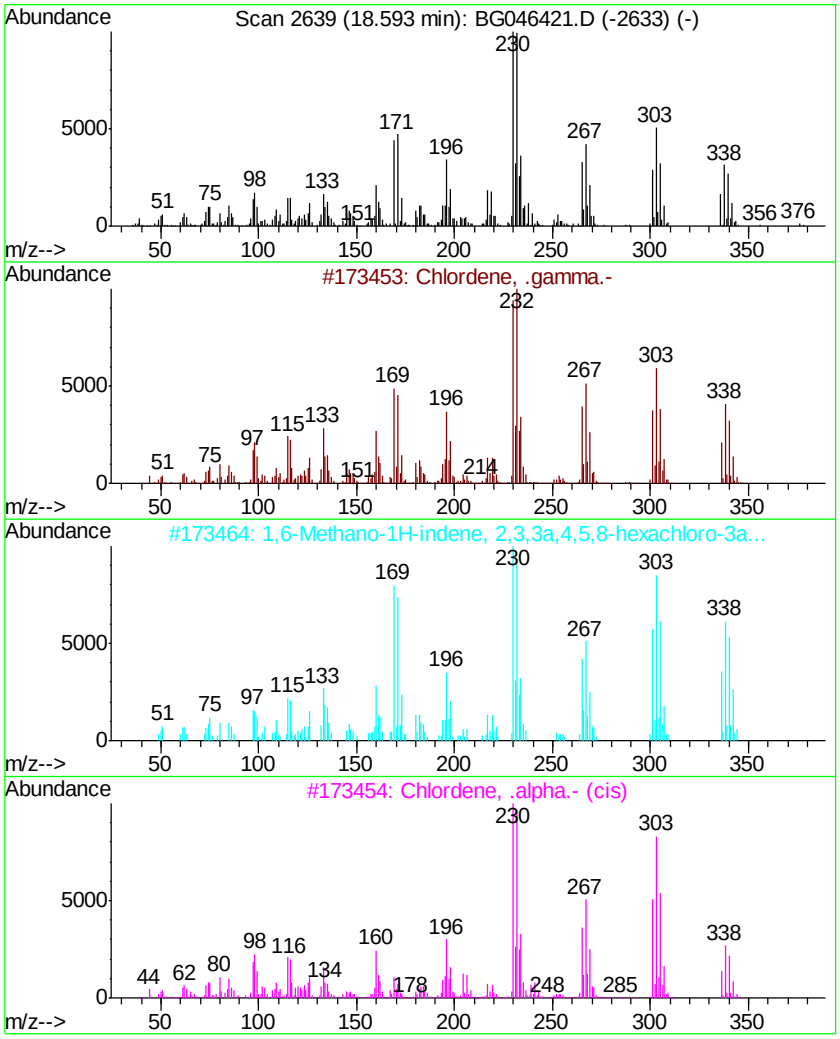
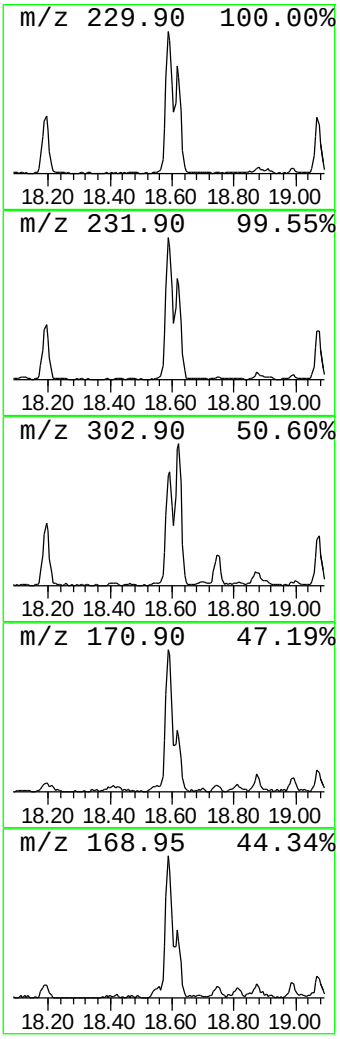
Peak Number 15 Chlordene, .gamma.- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	12.81 ng/ul	756164	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chlordene, .gamma.-	336	C10H6Cl6	1000378-50-6	99
2	1,6-Methano-1H-indene, 2,3,3a,4,...	336	C10H6Cl6	056641-38-4	95
3	Chlordene, .alpha.- (cis)	336	C10H6Cl6	1000378-50-5	91
4	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	86
5	1-Allyl-5-bromo-6-hydroxypyridaz...	230	C7H7BrN2O2	1000313-99-5	86





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Sample : L3649-05
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Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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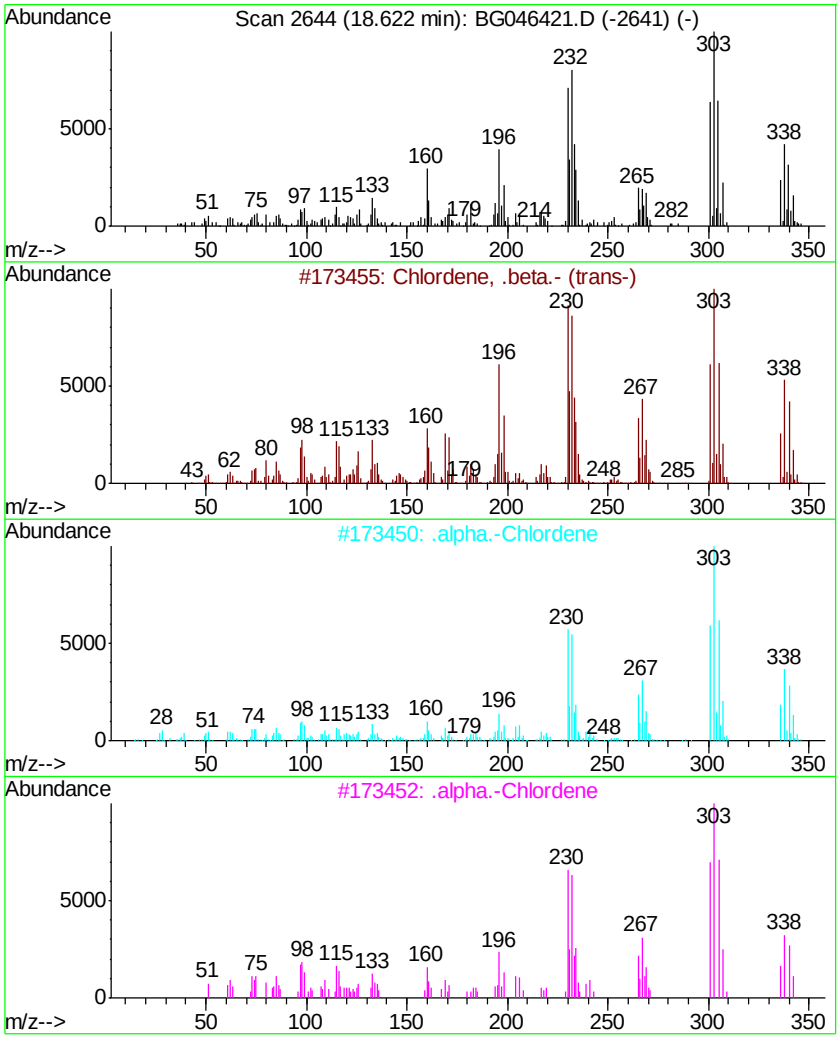
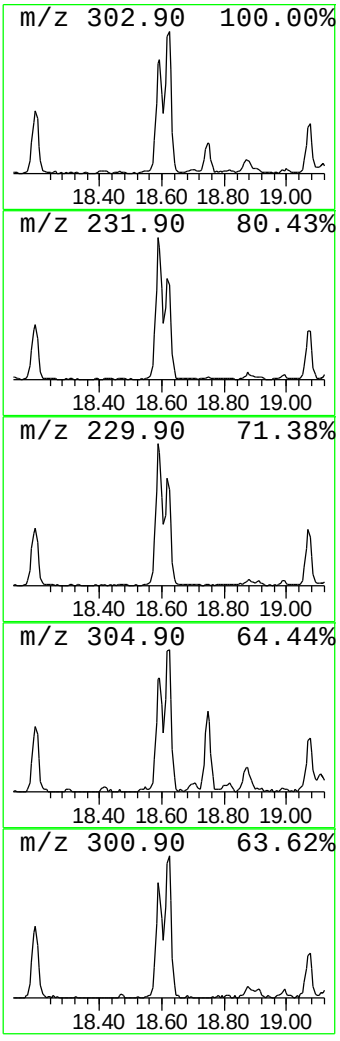
Peak Number 16 Chlordene, .beta.- (trans-) Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	8.64 ng/ul	509756	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chlordene, .beta.- (trans-)	336	C10H6Cl6	1000378-50-4	91
2	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	83
3	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	83
4	Chlordene, .alpha.- (cis)	336	C10H6Cl6	1000378-50-5	78
5	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	72





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ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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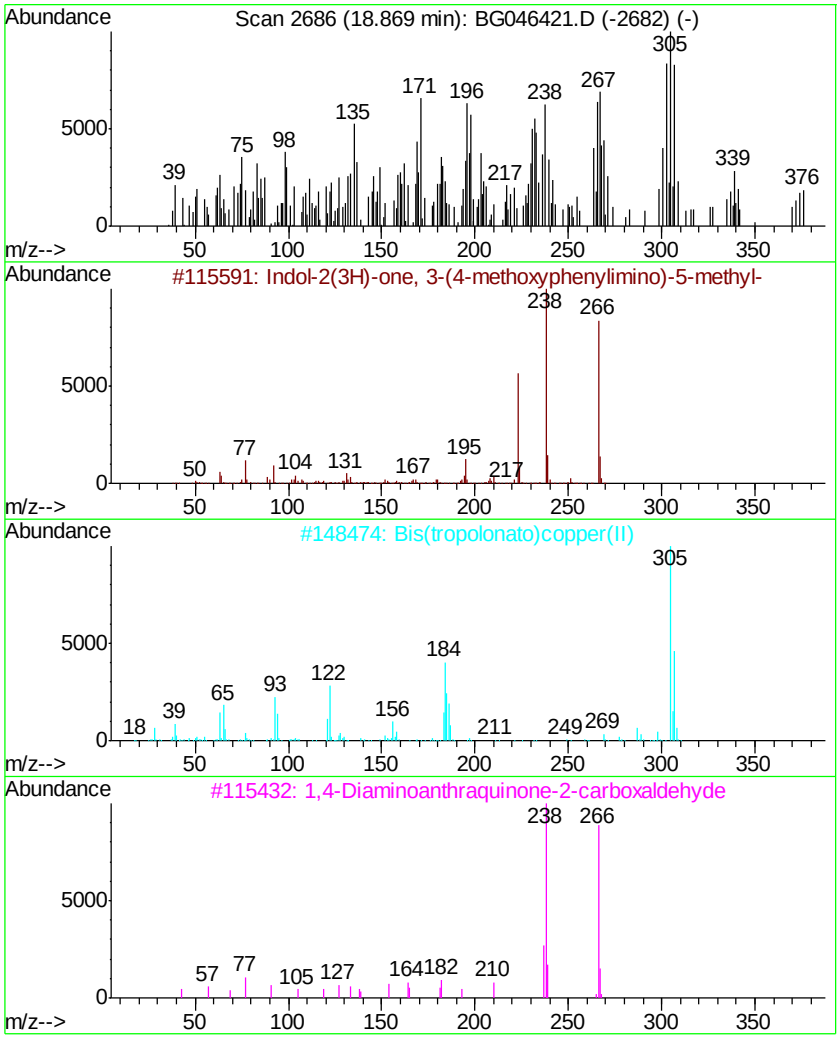
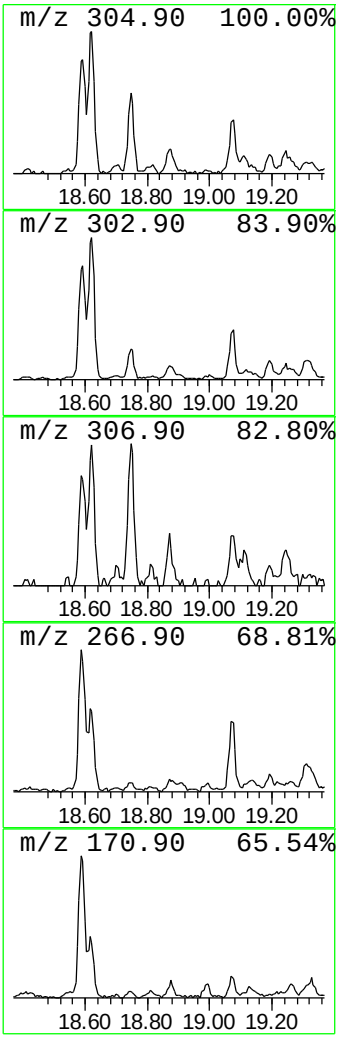
Peak Number 17 unknown-10 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.27 ng/ul	134045	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indol-2(3H)-one, 3-(4-methoxyphe...	266	C16H14N2O2	060283-77-4	18
2	Bis(tropolonato)copper(II)	305	C14H10CuO4	015663-10-2	15
3	1,4-Diaminoanthraquinone-2-carbo...	266	C15H10N2O3	056594-51-5	14
4	Stannane, (4-bromophenyl)trimethyl-	320	C9H13BrSn	000937-11-1	14
5	Phenanthrene, 2-bromo-9,10-dihyd...	303	C14H10BrNO2	018264-84-1	11





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Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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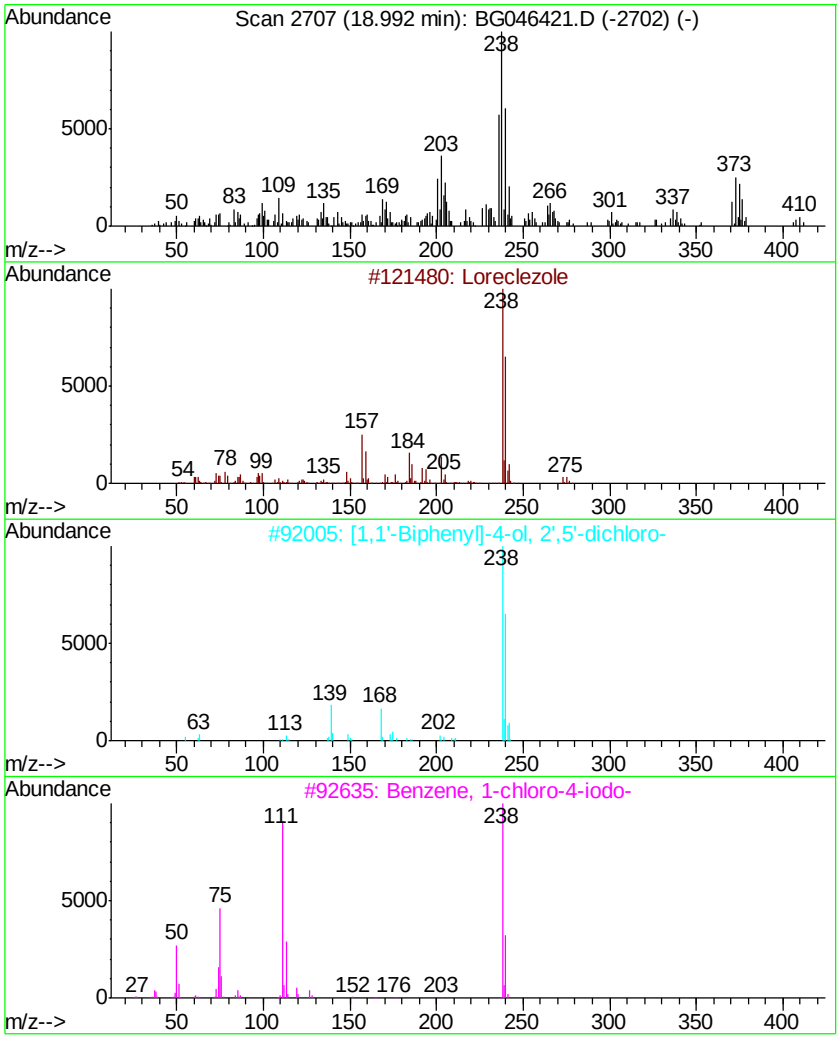
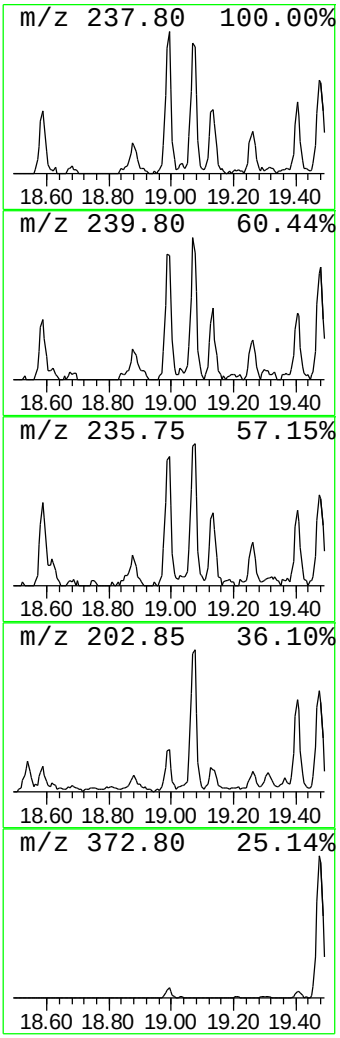
Peak Number 18 unknown-11 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.80 ng/ul	165521	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Loreclezole	273	C10H6Cl3N3	117857-45-1	38
2	[1,1'-Biphenyl]-4-ol, 2',5'-dich...	238	C12H8Cl2O	053905-28-5	38
3	Benzene, 1-chloro-4-iodo-	238	C6H4ClI	000637-87-6	30
4	Benzene, 1-chloro-2-iodo-	238	C6H4ClI	000615-41-8	30
5	Benzene, 1-chloro-4-iodo-	238	C6H4ClI	000637-87-6	30





Library Search Compound Report

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Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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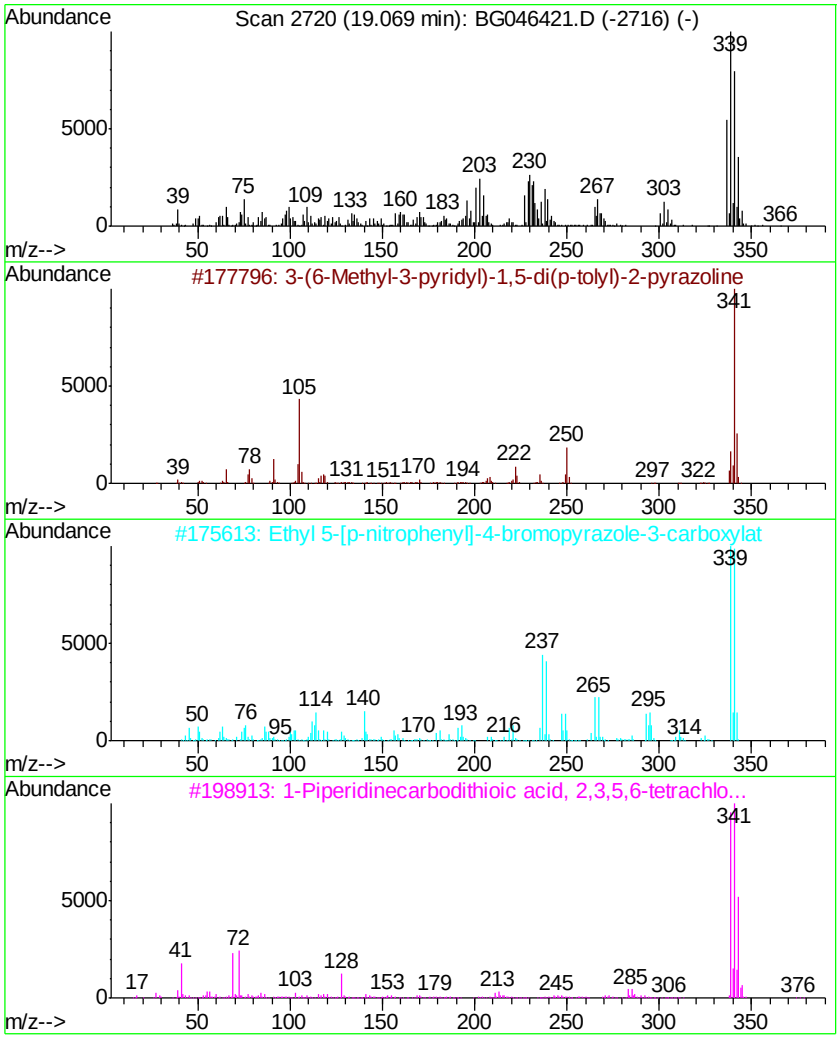
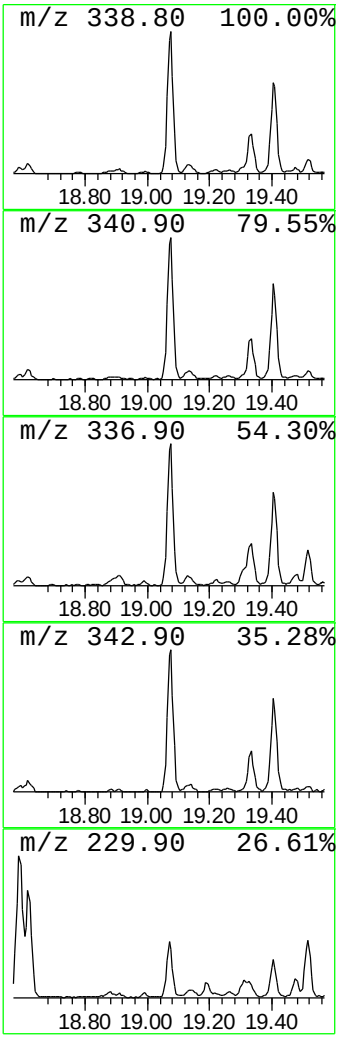
Peak Number 19 unknown-12 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	12.64 ng/ul	745754	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(6-Methyl-3-pyridyl)-1,5-di(p-...	341	C23H23N3	010040-66-1	18
2	Ethyl 5-[p-nitrophenyl]-4-bromop...	339	C12H10BrN3O4	1000211-63-1	17
3	1-Piperidinecarbodithioic acid, ...	374	C11H10Cl4N2S2	1000305-28-9	16
4	Morphinan-6-ol, 7,8-didehydro-4,...	341	C20H23NO4	006703-27-1	10
5	Nonadecan-1-ol trimethylsilyl ether	356	C22H48OSi	1000352-21-4	10





Library Search Compound Report

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Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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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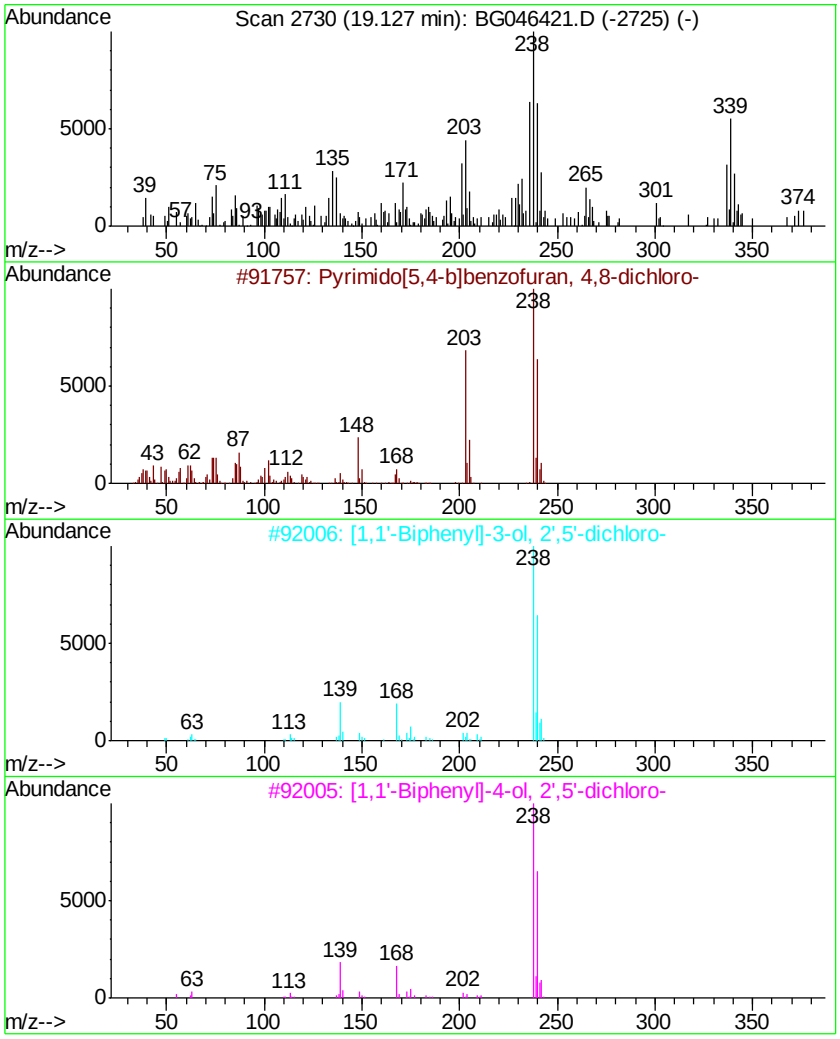
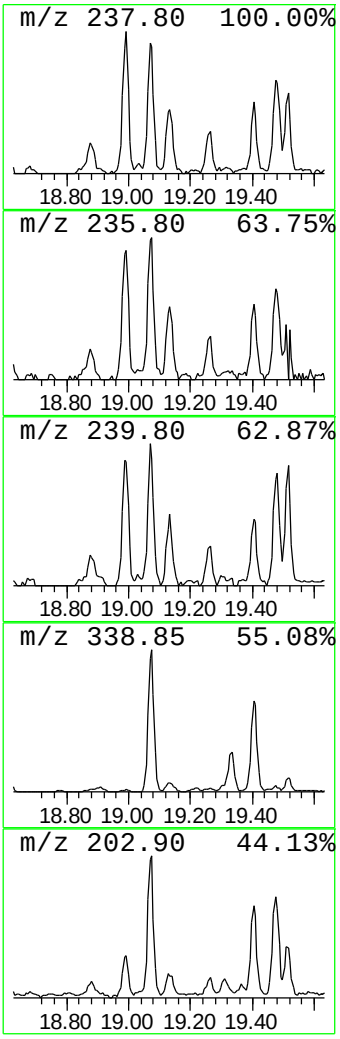
Peak Number 20 unknown-13 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.65 ng/ul	156148	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrimido[5,4-b]benzofuran, 4,8-d...	238	C10H4Cl2N2O	294874-71-8	41
2	[1,1'-Biphenyl]-3-ol, 2',5'-dich...	238	C12H8Cl2O	053905-29-6	25
3	[1,1'-Biphenyl]-4-ol, 2',5'-dich...	238	C12H8Cl2O	053905-28-5	22
4	Oxazole, 4,5-dihydro-2-(4-bromop...	253	C11H12BrNO	032664-14-5	15
5	[1,1'-Biphenyl]-2-ol, 3,5-dichloro-	238	C12H8Cl2O	005335-24-0	12





Library Search Compound Report

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Data File : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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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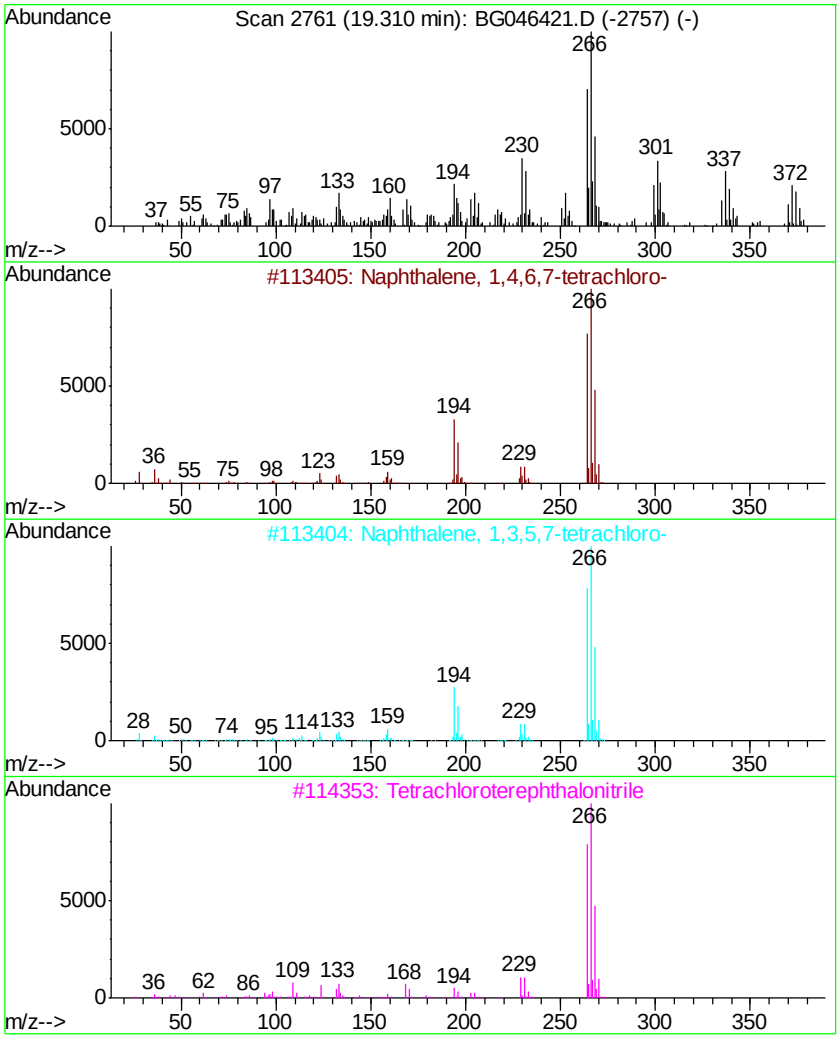
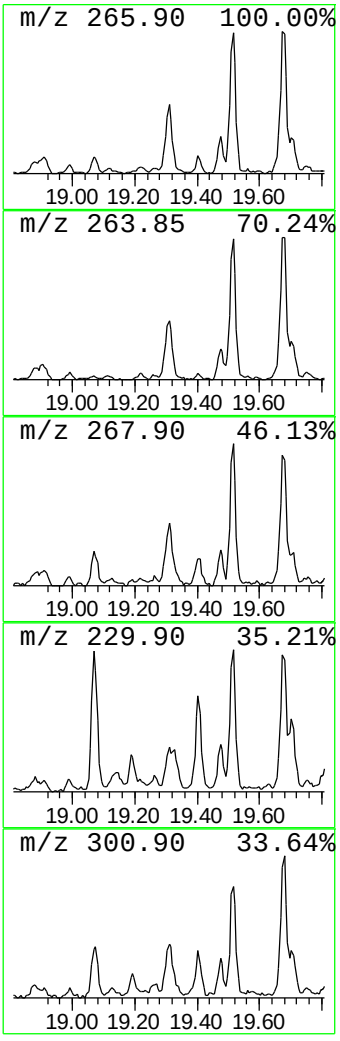
Peak Number 21 Naphthalene, 1,4,6,7-tetrac... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	2.87 ng/ul	169156	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6,7-tetrachloro-	264	C10H4Cl4	055720-43-9	91
2	Naphthalene, 1,3,5,7-tetrachloro-	264	C10H4Cl4	053555-64-9	70
3	Tetrachloroterephthalonitrile	264	C8Cl4N2	001897-41-2	55
4	Tetrachloroisophthalonitrile	264	C8Cl4N2	001897-45-6	49
5	Tetrachloroisophthalonitrile	264	C8Cl4N2	001897-45-6	49





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Operator : CG/JU
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Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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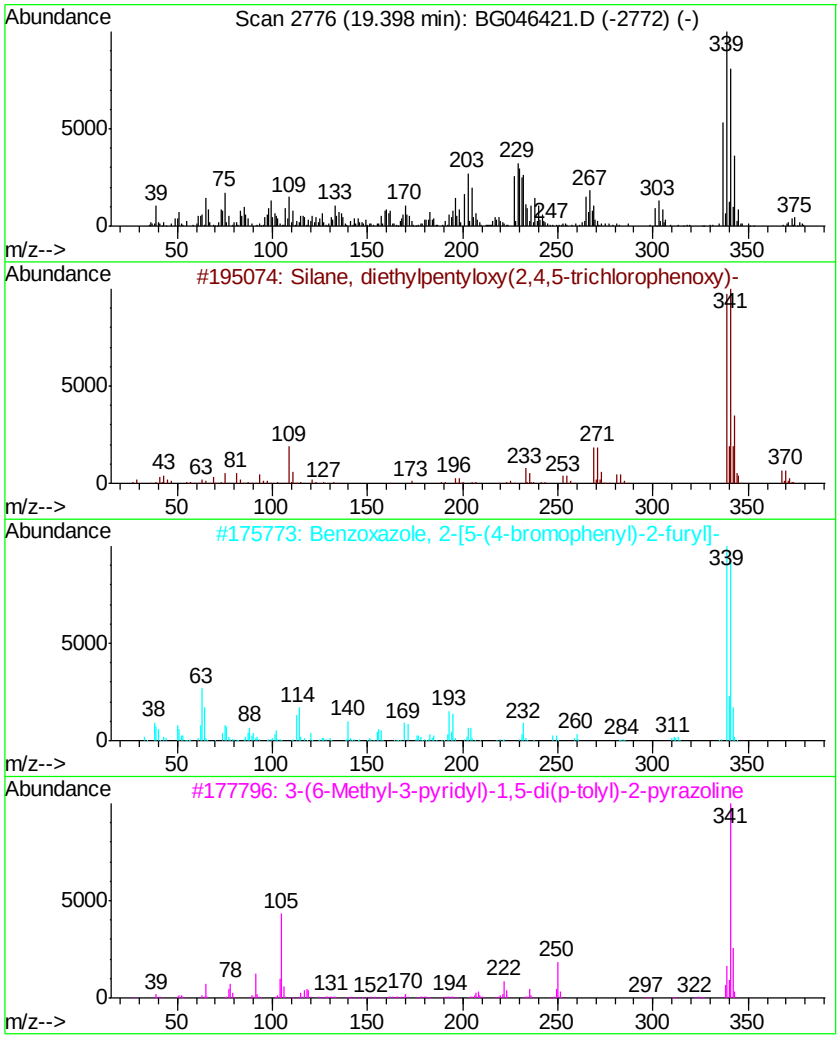
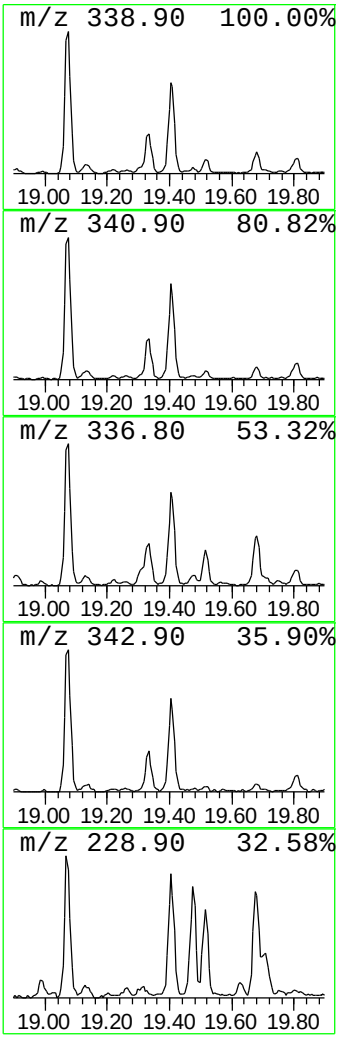
Peak Number 22 unknown-14 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	9.30 ng/ul	548909	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, diethylpentyloxy(2,4,5-t...	368	C15H23Cl3O2Si	1000363-35-2	47
2	Benzoxazole, 2-[5-(4-bromophenyl...	339	C17H10BrNO2	1000269-85-0	25
3	3-(6-Methyl-3-pyridyl)-1,5-di(p-...	341	C23H23N3	010040-66-1	14
4	Morphinan-6-ol, 7,8-didehydro-4,...	341	C20H23NO4	006703-27-1	14
5	1-Piperidinecarbodithioic acid, ...	374	C11H10Cl4N2S2	1000305-28-9	12





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Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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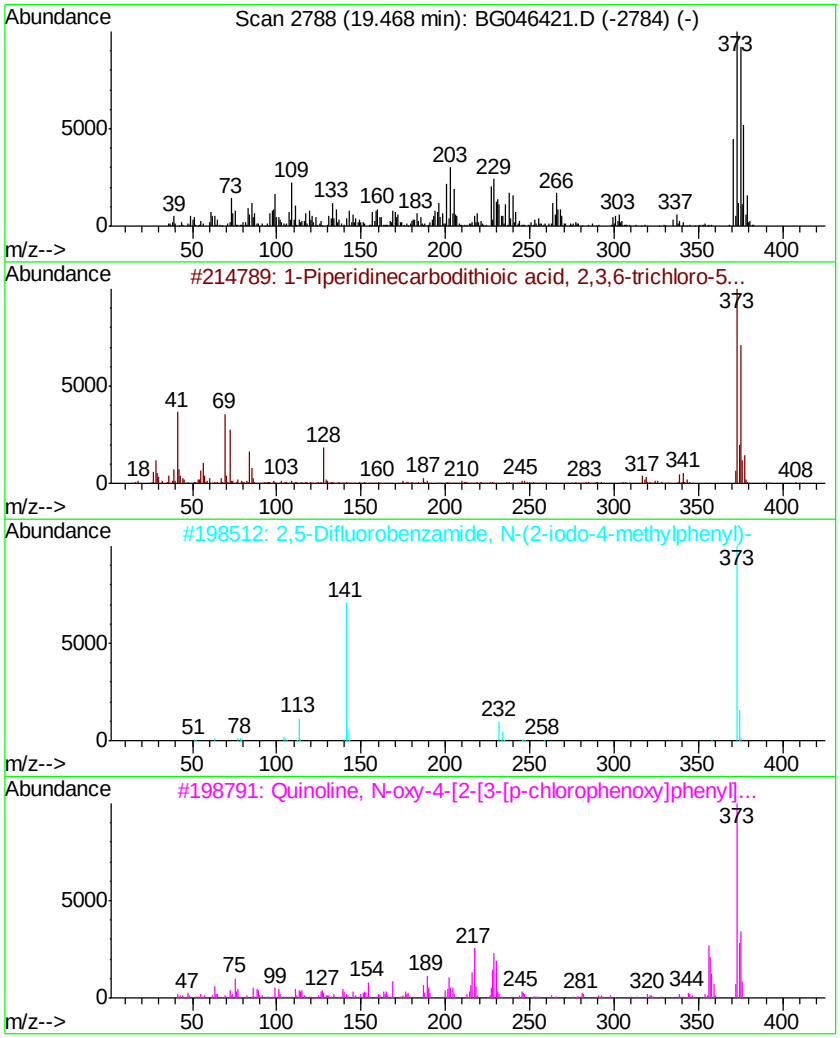
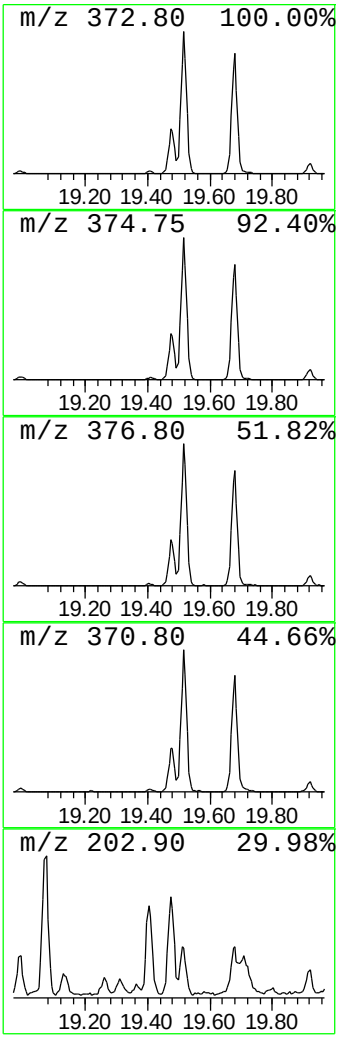
Peak Number 23 unknown-15 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	9.13 ng/ul	570863	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Piperidinecarbodithioic acid, ...	408	C12H10Cl3F3N2S2	1000305-31-5	25
2	2,5-Difluorobenzamide, N-(2-iodo...	373	C14H10F2INO	1000358-05-2	18
3	Quinoline, N-oxy-4-[2-[3-[p-chlo...	373	C23H16ClNO2	1000211-32-6	12
4	Ethene, 1-(anthracen-9-yl)-2-(5-...	375	C26H17NO2	1000163-54-9	10
5	Benzene, 1-benzoyl-4-(3,4,5-trim...	375	C23H21NO4	304668-83-5	10





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Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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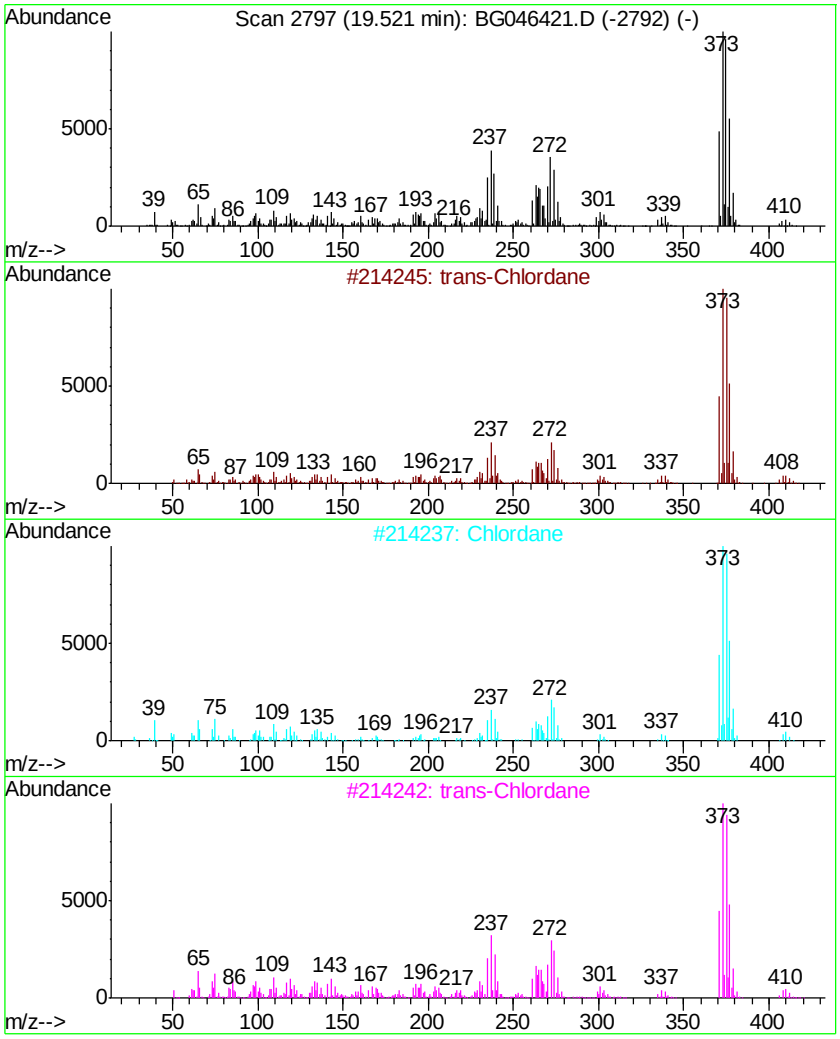
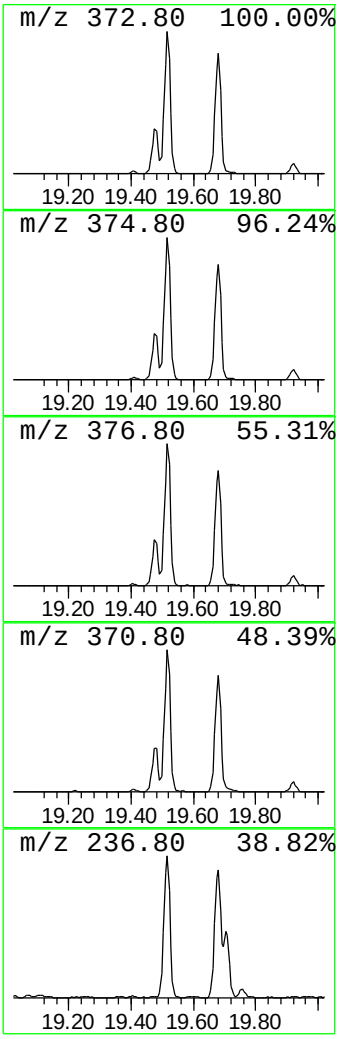
Peak Number 24 trans-Chlordane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	31.36 ng/ul	1959970	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Chlordane	406	C10H6Cl8	005103-74-2	99
2	Chlordane	406	C10H6Cl8	000057-74-9	99
3	trans-Chlordane	406	C10H6Cl8	005103-74-2	99
4	cis-Chlordane	406	C10H6Cl8	005103-71-9	96
5	trans-Chlordane	406	C10H6Cl8	005103-74-2	96





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Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

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

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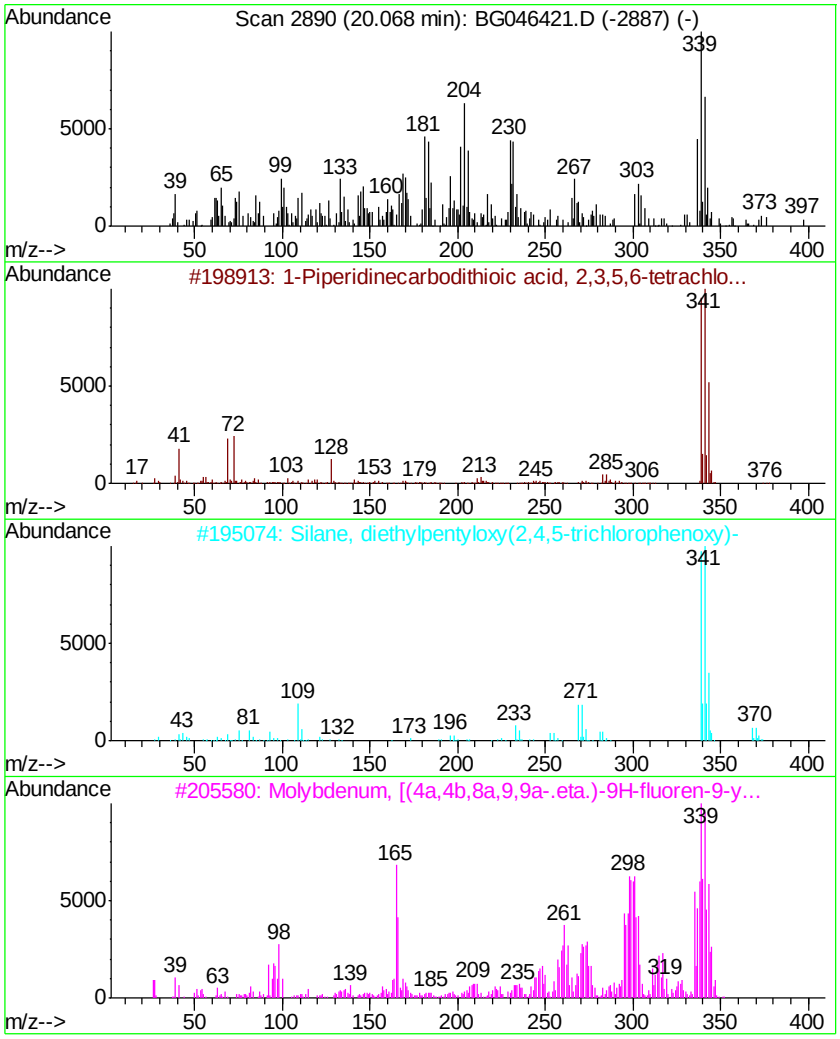
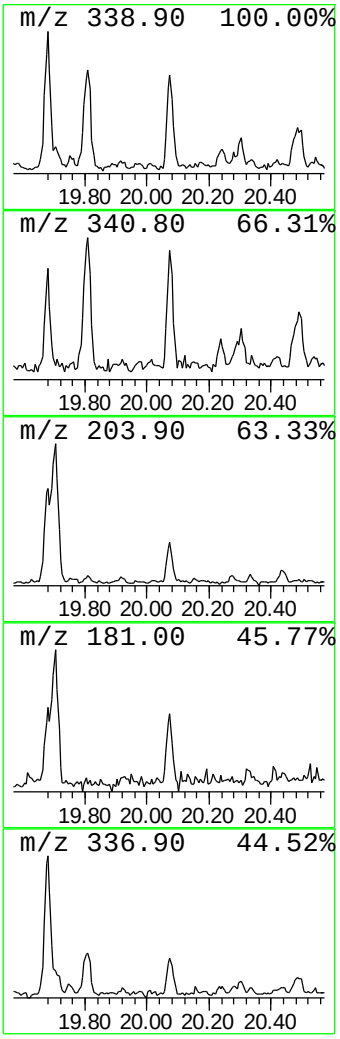
Peak Number 25 unknown-16 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.15 ng/ul	134383	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Piperidinecarbodithioic acid, ...	374	C11H10Cl4N2S2	1000305-28-9	22
2	Silane, diethylpentyloxy(2,4,5-t...	368	C15H23Cl3O2Si	1000363-35-2	12
3	Molybdenum, [(4a,4b,8a,9,9a-.eta...	386	C22H24Mo	125312-19-8	11
4	6-Methyl-2-(4-methylphenyl)-7-(4...	339	C25H25N	080193-45-9	11
5	Spiro[2,5-cyclohexadiene-1,7'(1'...	339	C20H21NO4	004880-87-9	11





Library Search Compound Report

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Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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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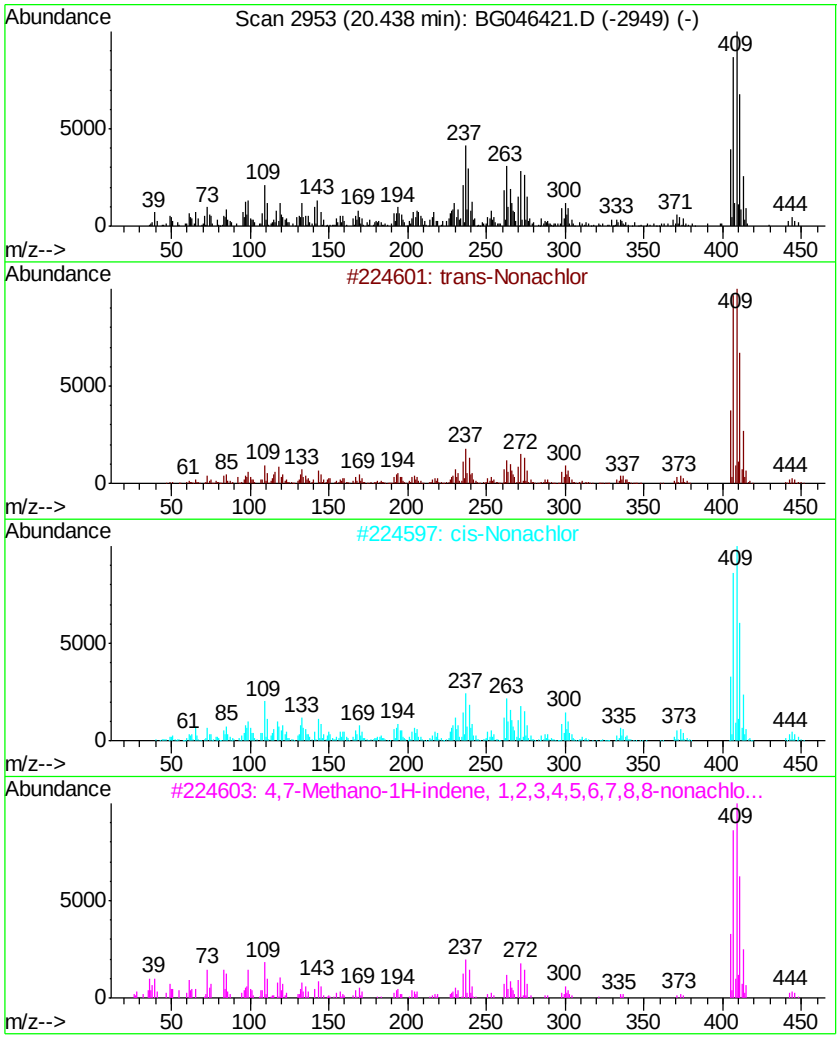
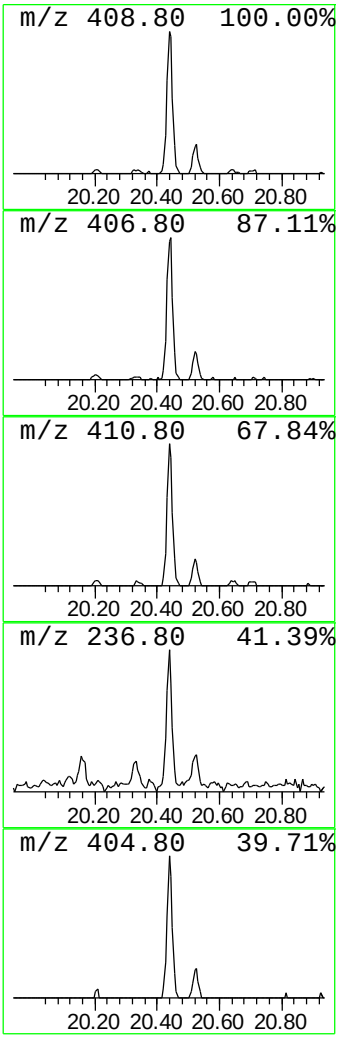
Peak Number 26 trans-Nonachlor Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	3.78 ng/ul	236071	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Nonachlor	440	C10H5Cl9	039765-80-5	99
2	cis-Nonachlor	440	C10H5Cl9	005103-73-1	99
3	4,7-Methano-1H-indene, 1,2,3,4,5...	440	C10H5Cl9	003734-49-4	99
4	4,7-Methano-1H-indene, 1,2,3,4,5...	438	C10H3Cl9	021641-70-3	99
5	trans-Nonachlor	440	C10H5Cl9	039765-80-5	94





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Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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Quant Title : SVOA CALIBRATION

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

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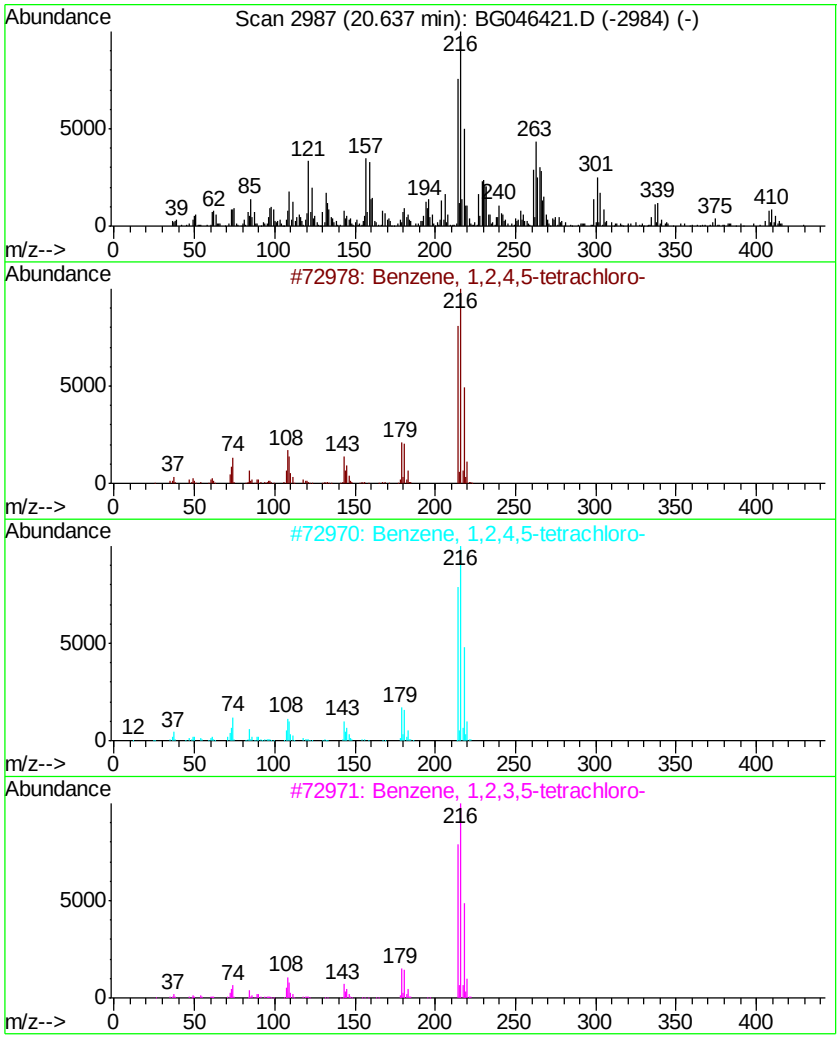
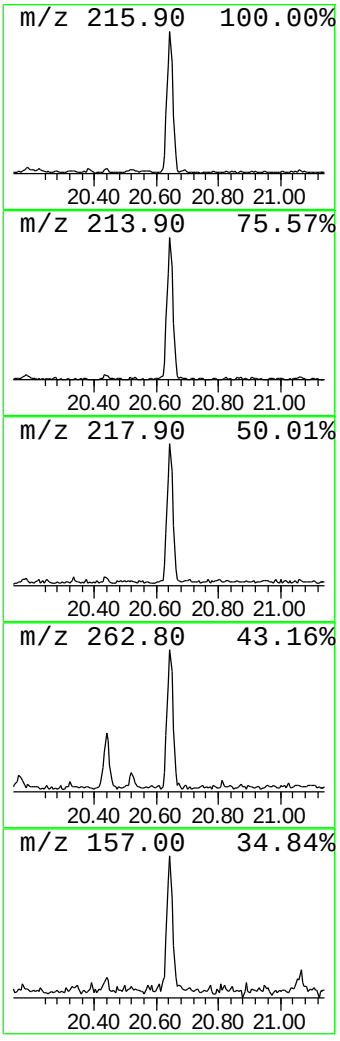
Peak Number 27 Benzene, 1,2,4,5-tetrachloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	6.52 ng/ul	407398	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	55
2	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	55
3	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	55
4	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	49
5	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	49





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMX2

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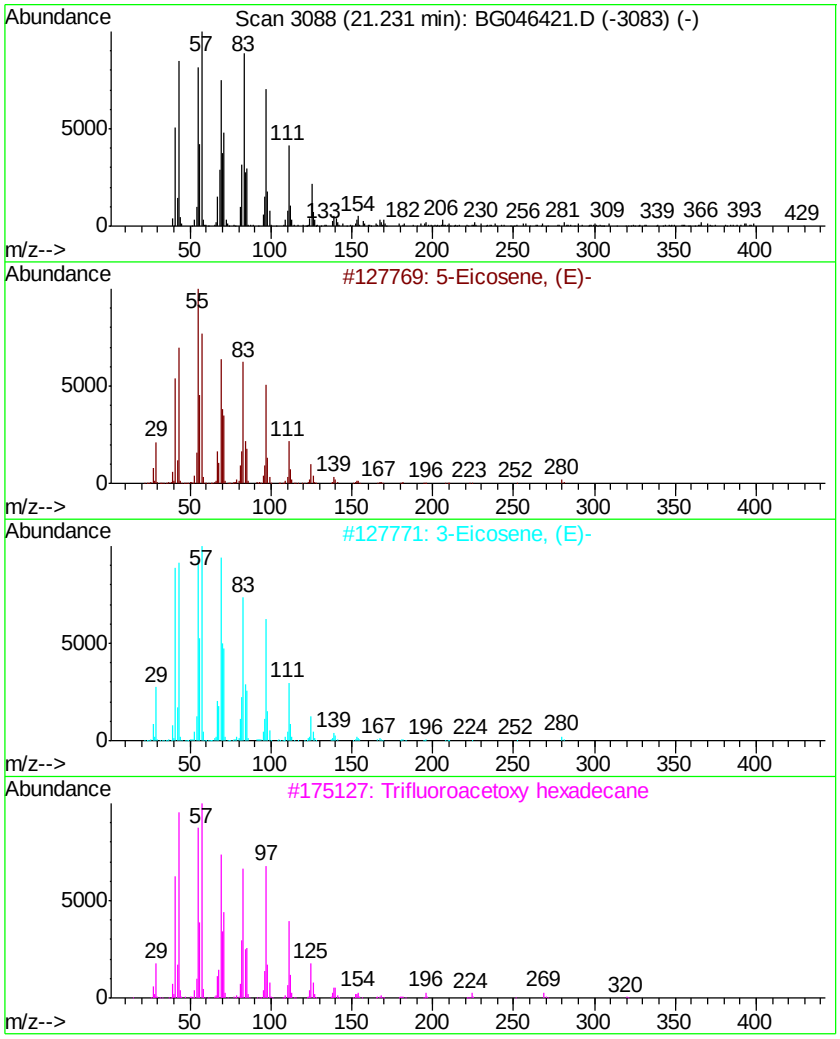
Quant Title : SVOA CALIBRATION

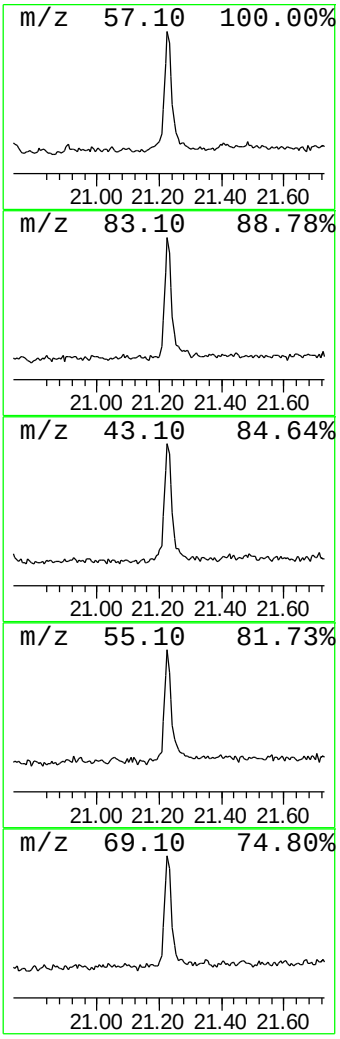
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	6.12 ng/ul	382287	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	96
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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

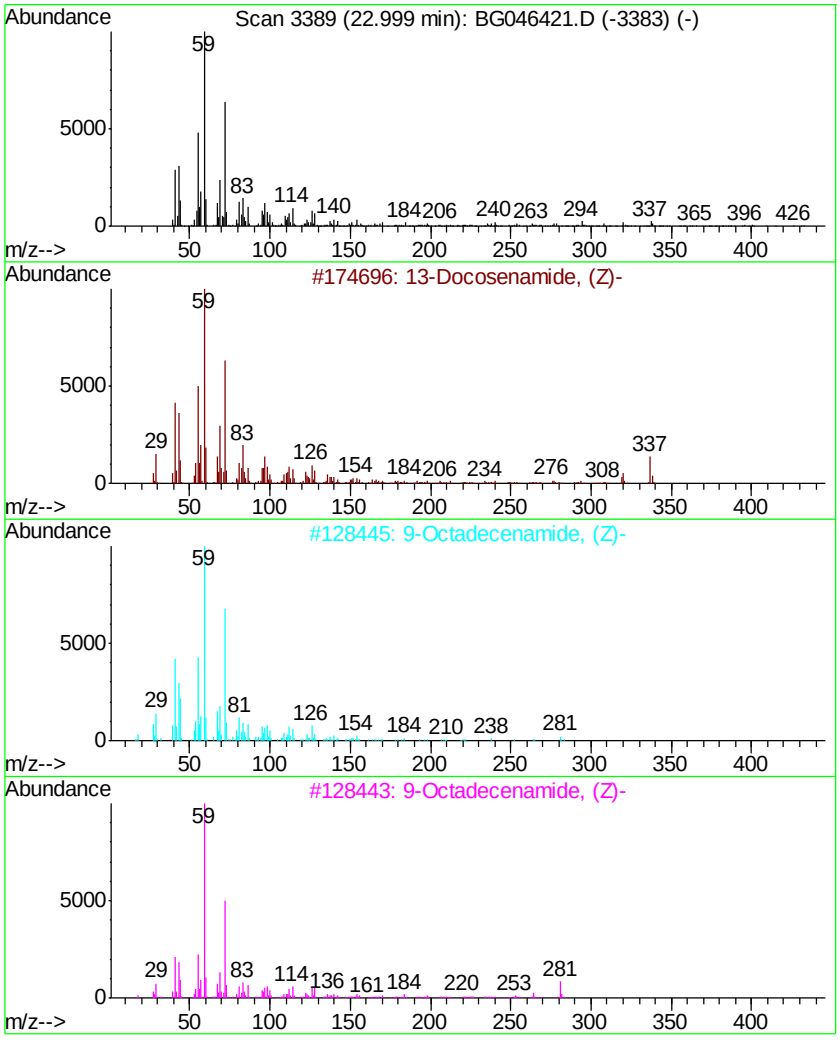
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

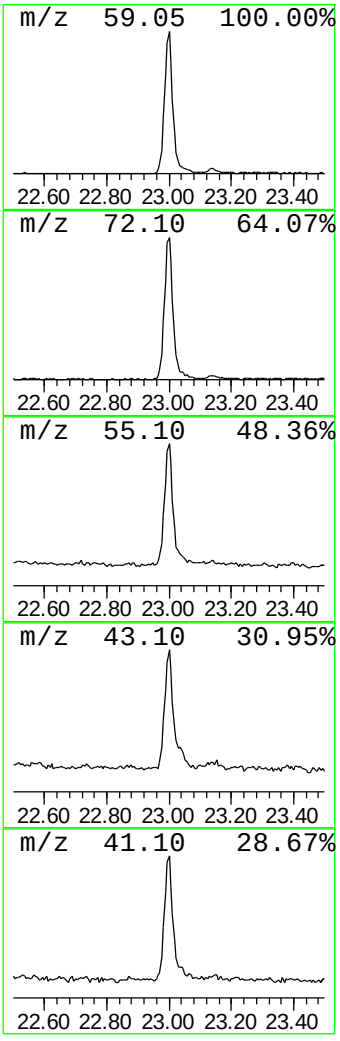
****

Peak Number 29 13-Docosenamide, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.00	14.72 ng/ul	919837	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	93
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
3	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
4	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	90
5	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046421.D
Acq On : 21 Aug 2020 20:04
Operator : CG/JU
Sample : L3649-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMX2

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...	3.15	36.0	ng/ul	783885	1	7.94	435346	20.0
2-Furancarboxylic...	7.11	23.4	ng/ul	510247	1	7.94	435346	20.0
unknown-01	7.27	16.8	ng/ul	364686	1	7.94	435346	20.0
unknown-02	7.48	22.9	ng/ul	498451	1	7.94	435346	20.0
unknown-03	8.65	29.0	ng/ul	630683	1	7.94	435346	20.0
1H-Imidazole, 4-m...	9.10	22.3	ng/ul	486099	1	7.94	435346	20.0
unknown-04	9.82	12.3	ng/ul	410036	2	10.74	668642	20.0
unknown-05	10.87	19.2	ng/ul	641572	2	10.74	668642	20.0
unknown-06	13.97	19.7	ng/ul	968718	3	14.57	982828	20.0
Dimethyl phthalate	14.02	2.8	ng/ul	138083	3	14.57	982828	20.0
unknown-07	14.77	8.0	ng/ul	391453	3	14.57	982828	20.0
unknown-08	15.68	5.3	ng/ul	261662	3	14.57	982828	20.0
unknown-09	17.89	4.7	ng/ul	278881	4	17.31	1180290	20.0
Chlordene, .alpha...	18.19	8.7	ng/ul	515006	4	17.31	1180290	20.0
Chlordene, .gamma.-	18.59	12.8	ng/ul	756164	4	17.31	1180290	20.0
Chlordene, .beta....	18.62	8.6	ng/ul	509756	4	17.31	1180290	20.0
unknown-10	18.87	2.3	ng/ul	134045	4	17.31	1180290	20.0
unknown-11	18.99	2.8	ng/ul	165521	4	17.31	1180290	20.0
unknown-12	19.07	12.6	ng/ul	745754	4	17.31	1180290	20.0
unknown-13	19.13	2.6	ng/ul	156148	4	17.31	1180290	20.0
Naphthalene, 1,4,...	19.31	2.9	ng/ul	169156	4	17.31	1180290	20.0
unknown-14	19.40	9.3	ng/ul	548909	4	17.31	1180290	20.0
unknown-15	19.47	9.1	ng/ul	570863	5	21.57	1250070	20.0
trans-Chlordane	19.52	31.4	ng/ul	1959970	5	21.57	1250070	20.0
unknown-16	20.07	2.1	ng/ul	134383	5	21.57	1250070	20.0
trans-Nonachlor	20.44	3.8	ng/ul	236071	5	21.57	1250070	20.0
Benzene, 1,2,4,5-...	20.64	6.5	ng/ul	407398	5	21.57	1250070	20.0
(DEL) Alkane: Str...	21.23	6.1	ng/ul	382287	5	21.57	1250070	20.0
13-Docosenamide, ...	23.00	14.7	ng/ul	919837	5	21.57	1250070	20.0