LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046433.D
Acq On : 22 Aug 2020 4:50
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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	36	rVB	1548009	2467903	68.21%	6.410%
2	3.399	49	53	63	rVB	13505	24307	0.67%	0.063%
3	3.916	134	141	149	rVB	21852	34600	0.96%	0.090%
4	4.052	158	164	172	rBV	16665	26974	0.75%	0.070%
5	5.050	329	334	339	rBV2	11808	18741	0.52%	0.049%
6	7.113	678	685	697	rBV	227940	412113	11.39%	1.070%
7	7.265	704	711	725	rVB	190746	323730	8.95%	0.841%
8	7.477	740	747	756	rBV	248233	423541	11.71%	1.100%
9	7.941	816	826	834	rBV	295567	493849	13.65%	1.283%
10	8.646	939	946	961	rBV	269024	492260	13.61%	1.279%
11	9.093	1013	1022	1034	rBV	236401	416172	11.50%	1.081%
12	9.815	1138	1145	1155	rBV	192949	350499	9.69%	0.910%
13	10.362	1230	1238	1253	rBV	314103	571469	15.79%	1.484%
14	10.738	1292	1302	1309	rBV	426545	764482	21.13%	1.986%
15	10.867	1316	1324	1342	rBV	229265	438336	12.11%	1.139%
16	13.887	1832	1838	1844	rBV4	8536	15662	0.43%	0.041%
17	13.975	1844	1853	1857	rVV	582284	879363	24.30%	2.284%
18	14.016	1857	1860	1866	rVV	71090	106250	2.94%	0.276%
19	14.263	1894	1902	1917	rBV	663547	1100240	30.41%	2.858%
20	14.569	1945	1954	1961	rBV	707260	1097304	30.33%	2.850%
21	14.633	1961	1965	1973	rVB	11683	19595	0.54%	0.051%
22	14.774	1981	1989	2001	rBV	157097	308514	8.53%	0.801%
23	14.968	2017	2022	2031	rVB2	16488	28825	0.80%	0.075%
24	15.186	2053	2059	2064	rBV5	7571	14961	0.41%	0.039%
25	15.562	2115	2123	2129	rVV	940204	1390702	38.44%	3.612%
26	15.614	2129	2132	2138	rVV3	23890	38868	1.07%	0.101%
27	15.679	2138	2143	2151	rVV	155486	246796	6.82%	0.641%
28	15.803	2157	2164	2167	rVV3	11270	24937	0.69%	0.065%
29	15.914	2177	2183	2191	rVB	16982	31738	0.88%	0.082%
30	16.055	2203	2207	2216	rVB	16381	34475	0.95%	0.090%
31	16.290	2238	2247	2250	rBV5	11367	19403	0.54%	0.050%
32	16.619	2297	2303	2309	rVV5	13262	28038	0.77%	0.073%
33	16.772	2323	2329	2332	rVV2	45736	64482	1.78%	0.167%
34	16.813	2332	2336	2340	rVV2	54606	75363	2.08%	0.196%

LSC Area Percent Report

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Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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	16.848	2340	2342	2346	rVV4	13458	20540	0.57%	0.053%
36	16.889	2346	2349	2353	rVV3	13196	16295	0.45%	0.042%
37	16.966	2357	2362	2370	rVB3	30982	59559	1.65%	0.155%
38	17.048	2370	2376	2384	rBV6	19624	56007	1.55%	0.145%
39	17.119	2384	2388	2400	rVB3	28313	79321	2.19%	0.206%
40	17.213	2400	2404	2408	rBV6	11715	17523	0.48%	0.046%
41	17.312	2414	2421	2425	rBV	826931	1300573	35.95%	3.378%
42	17.354	2425	2428	2433	rVV	378797	518947	14.34%	1.348%
43	17.412	2433	2438	2449	rVB	925416	1464633	40.48%	3.804%
44	17.500	2449	2453	2459	rVB3	18261	31420	0.87%	0.082%
45	17.589	2459	2468	2471	rBV7	12156	31411	0.87%	0.082%
46	17.835	2503	2510	2512	rBV4	15230	25630	0.71%	0.067%
47	17.882	2513	2518	2525	rBV2	352990	537411	14.85%	1.396%
48	17.965	2527	2532	2536	rBV5	49500	71477	1.98%	0.186%
49	18.117	2553	2558	2564	rVB6	58328	112352	3.11%	0.292%
50	18.188	2564	2570	2575	rBV2	329265	529916	14.65%	1.376%
51	18.235	2575	2578	2584	rVB	127049	183231	5.06%	0.476%
52	18.317	2587	2592	2597	rBV	42447	66282	1.83%	0.172%
53	18.382	2597	2603	2606	rBV3	116822	206783	5.72%	0.537%
54	18.417	2606	2609	2614	rVB	89312	137156	3.79%	0.356%
55	18.493	2616	2622	2626	rBV8	16886	39222	1.08%	0.102%
56	18.546	2626	2631	2632	rBV4	28169	37332	1.03%	0.097%
57	18.587	2633	2638	2641	rVV2	345106	517052	14.29%	1.343%
58	18.617	2641	2643	2648	rVB	258955	295551	8.17%	0.768%
59	18.687	2650	2655	2658	rBV	79127	124310	3.44%	0.323%
60	18.746	2658	2665	2672	rVB2	233053	434422	12.01%	1.128%
61	18.811	2672	2676	2681	rVB3	47270	63001	1.74%	0.164%
62	18.875	2681	2687	2690	rBV6	52977	95077	2.63%	0.247%
63	18.987	2702	2706	2709	rBV2	96732	123024	3.40%	0.320%
64	19.022	2709	2712	2715	rVB	39268	51174	1.41%	0.133%
65	19.069	2715	2720	2724	rBV	375945	541838	14.98%	1.407%
66	19.105	2724	2726	2734	rVB4	89295	170036	4.70%	0.442%
67	19.199	2739	2742	2743	rVV3	53348	66427	1.84%	0.173%
68	19.240	2746	2749	2756	rVV	133093	254535	7.03%	0.661%
69	19.328	2756	2764	2766	rVV3	145272	287616	7.95%	0.747%
70	19.363	2766	2770	2774	rVV	821704	1166136	32.23%	3.029%
71	19.404	2774	2777	2784	rVB2	243471	348501	9.63%	0.905%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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

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Peak separation: 5

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

72	19.475	2784	2789	2792	rBV2	225230	333936	9.23%	0.867%
73	19.516	2792	2796	2801	rVB	812104	1076674	29.76%	2.797%
74	19.563	2801	2804	2806	rBV3	20091	21497	0.59%	0.056%
75	19.698	2818	2827	2831	rBV	1581488	3618192	100.00%	9.398%
76	19.804	2840	2845	2852	rVB4	100074	184860	5.11%	0.480%
77	19.915	2858	2864	2868	rBV2	75545	138015	3.81%	0.358%
78	19.962	2868	2872	2877	rVB2	52674	78514	2.17%	0.204%
79	20.033	2879	2884	2887	rBV2	325007	488351	13.50%	1.268%
80	20.068	2888	2890	2898	rVV9	126723	168046	4.64%	0.436%
81	20.191	2902	2911	2912	rVV3	66781	149351	4.13%	0.388%
82	20.215	2912	2915	2923	rVB	140293	205822	5.69%	0.535%
83	20.321	2928	2933	2938	rBV	74829	145775	4.03%	0.379%
84	20.374	2938	2942	2947	rVB2	103586	168323	4.65%	0.437%
85	20.438	2949	2953	2957	rVB3	80942	104047	2.88%	0.270%
86	20.515	2963	2966	2970	rBV2	70466	86972	2.40%	0.226%
87	20.562	2970	2974	2978	rVB2	52161	71460	1.98%	0.186%
88	20.638	2983	2987	2991	rBV3	184879	252396	6.98%	0.656%
89	20.967	3039	3043	3051	rVB	110603	172519	4.77%	0.448%
90	21.149	3068	3074	3078	rBV2	68854	157421	4.35%	0.409%
91	21.190	3078	3081	3084	rVV	84142	132859	3.67%	0.345%
92	21.226	3084	3087	3095	rVV4	321057	629610	17.40%	1.635%
93	21.296	3095	3099	3107	rVB	111346	199876	5.52%	0.519%
94	21.560	3136	3144	3149	rBV3	1013742	2226903	61.55%	5.784%
95	21.607	3149	3152	3162	rVB	353099	578448	15.99%	1.502%
96	22.994	3383	3388	3399	rVB2	181555	393292	10.87%	1.022%
97	23.693	3499	3507	3515	rBV	252498	848103	23.44%	2.203%
98	24.387	3620	3625	3630	rBV	107158	235957	6.52%	0.613%
99	24.463	3631	3638	3645	rVV	512736	1234415	34.12%	3.206%
100	24.674	3666	3674	3693	rBV2	489369	1531315	42.32%	3.978%

Sum of corrected areas: 38499162

LSC Report - Integrated Chromatogram

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Data File : BG046433.D
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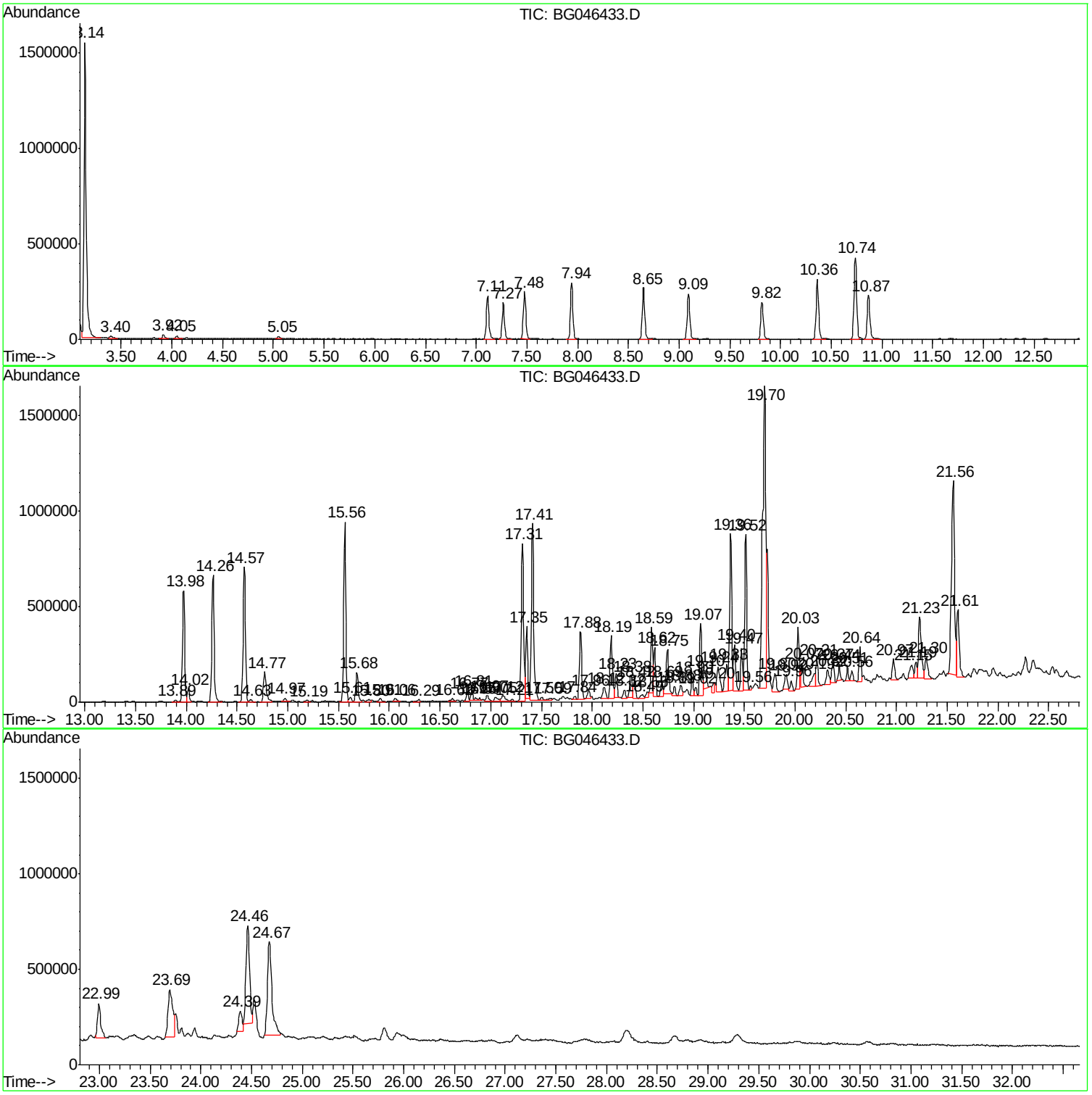
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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\
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Quant Title : SVOA CALIBRATION

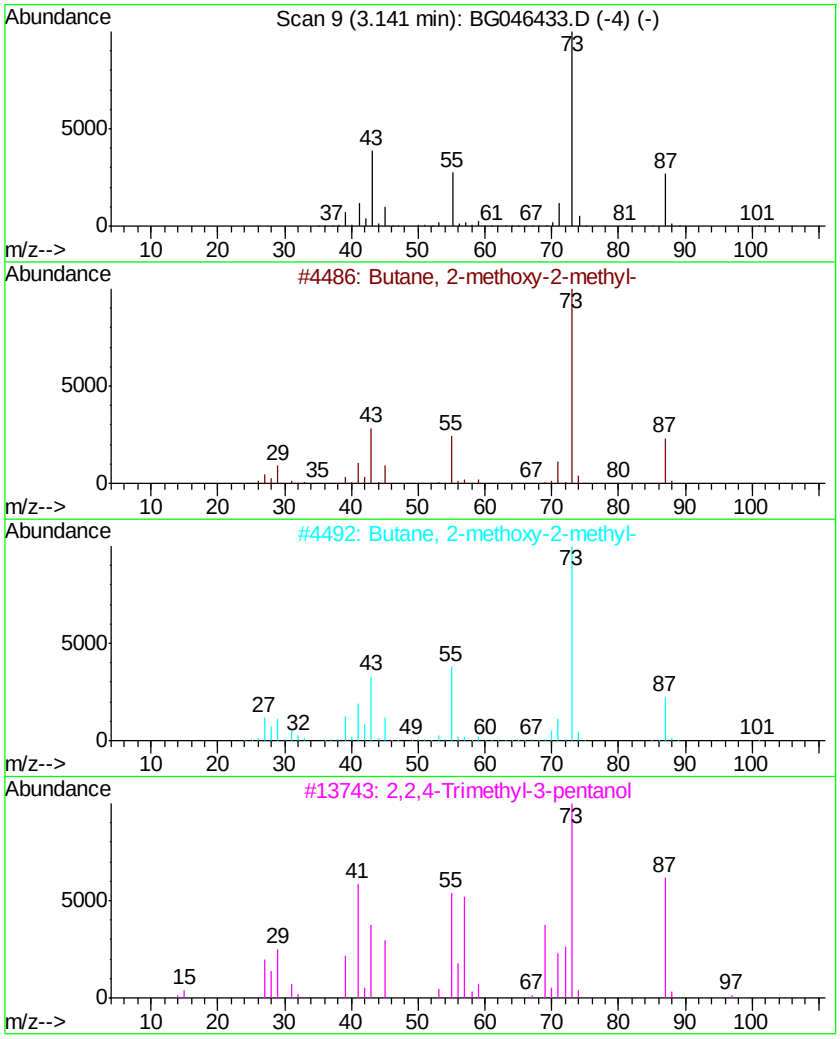
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

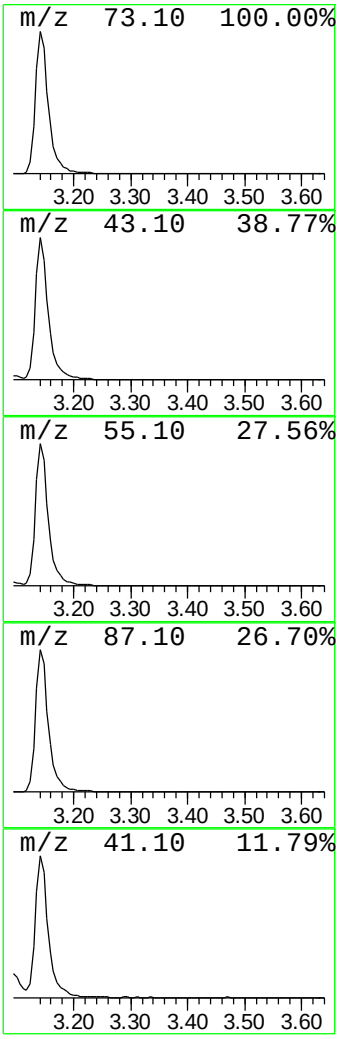
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	99.95 ng/ul	2467900	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	39
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMY0

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

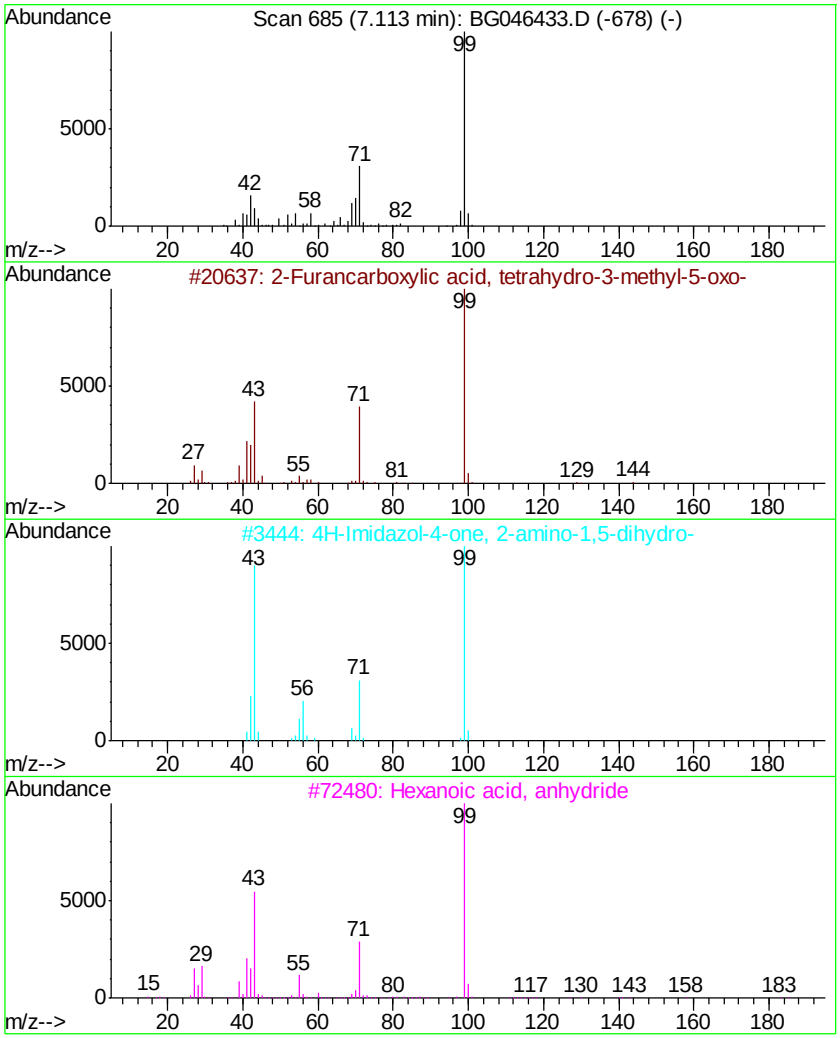
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

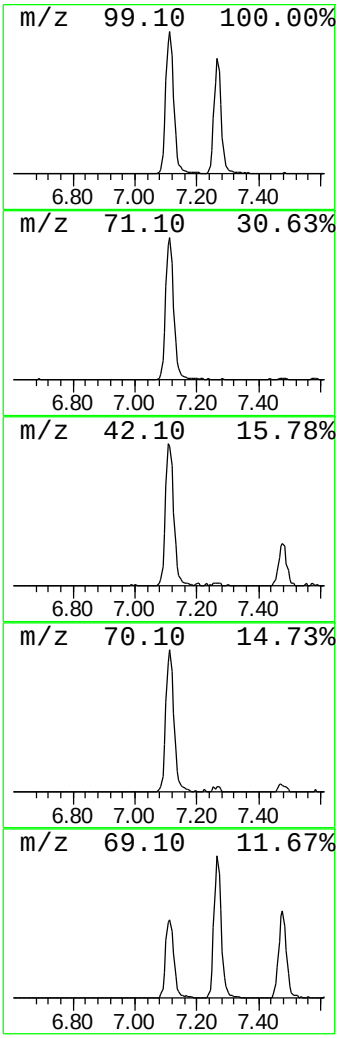
****

Peak Number 2 2-Furancarboxylic acid, tet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	16.69 ng/ul	412113	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
2	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	59
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	50
5	Phenol-d6-	100	C6D6O	013127-88-3	45





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Quant Title : SVOA CALIBRATION

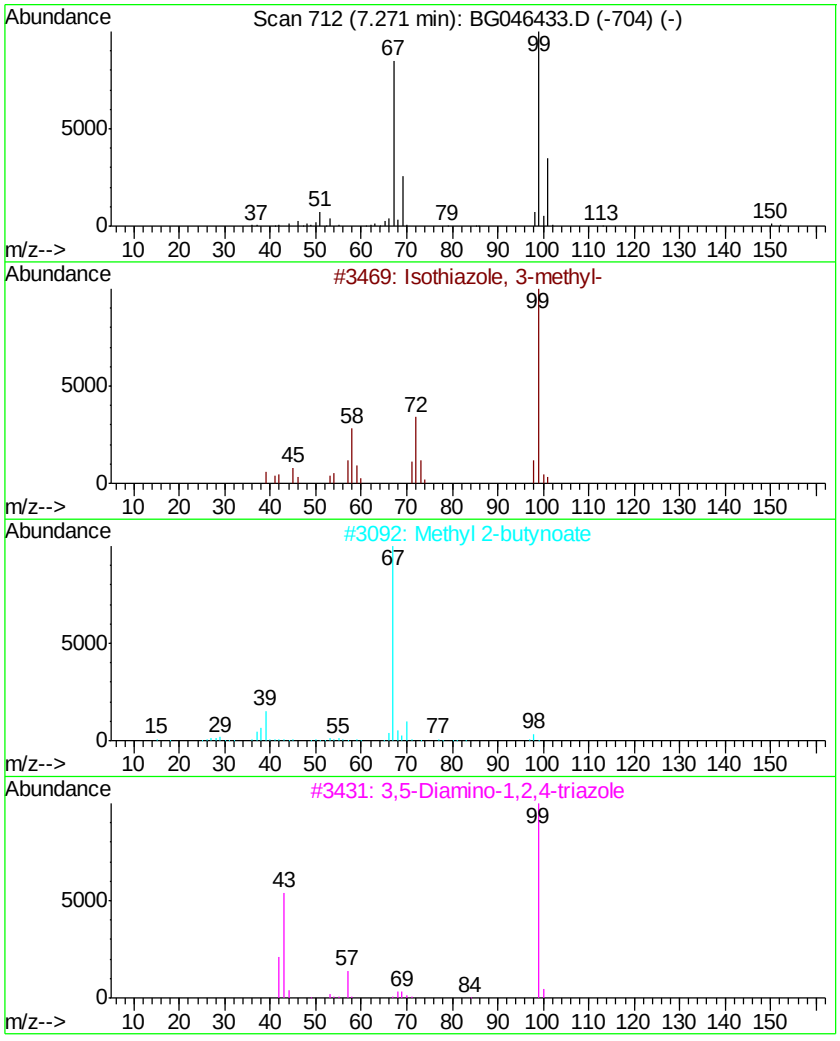
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

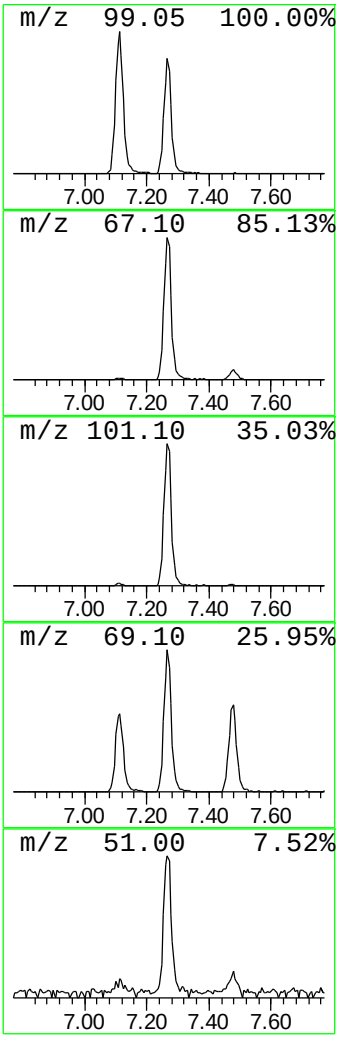
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	13.11 ng/ul	323730	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	Methyl 2-butynoate	98	C5H6O2	023326-27-4	9
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
4	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
5	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BFMY0

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

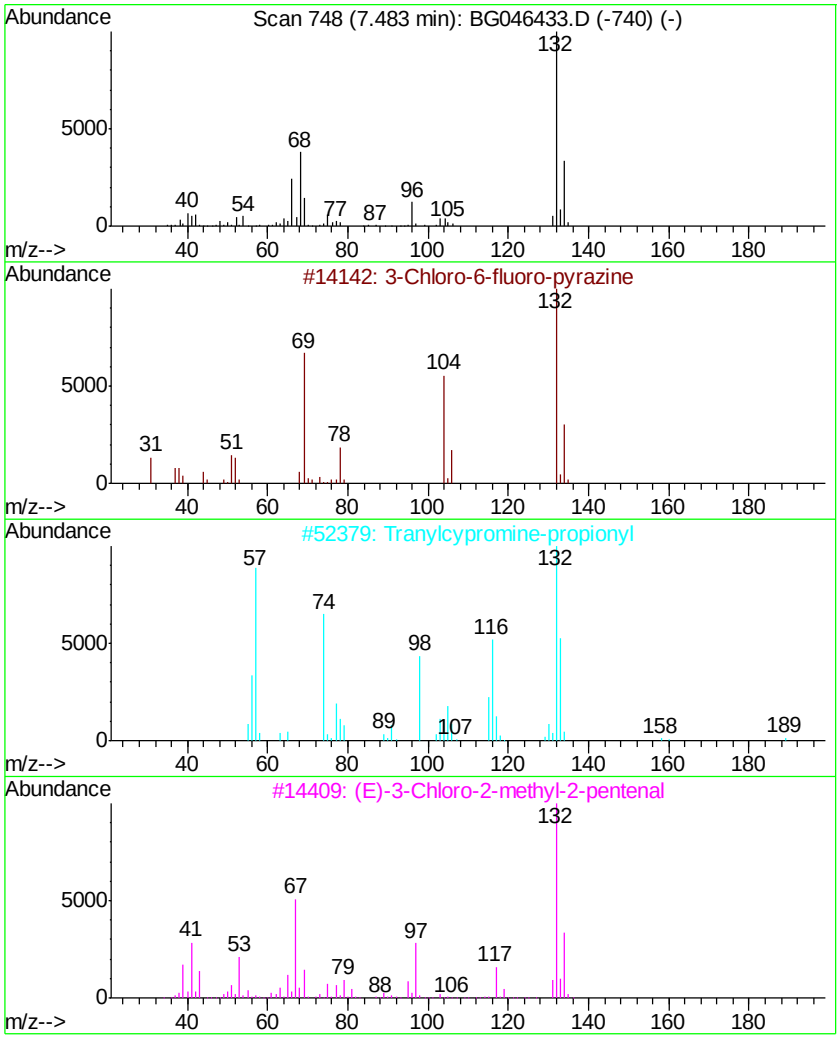
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

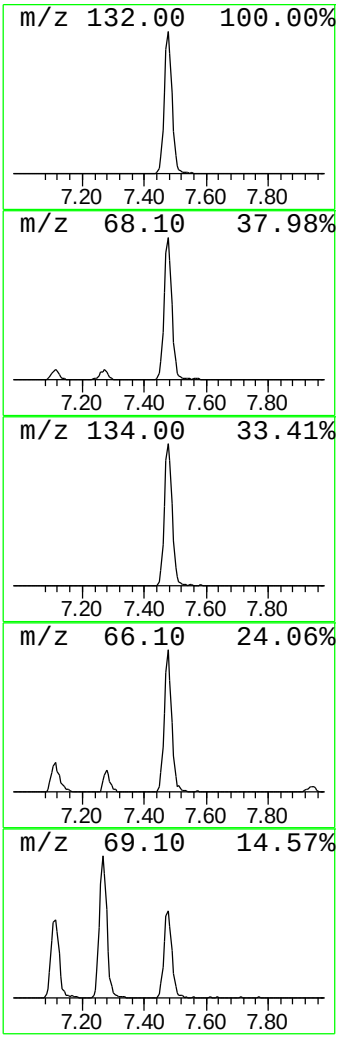
****

Peak Number 4 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	17.15 ng/ul	423541	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

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Data File : BG046433.D
Acq On : 22 Aug 2020 4:50
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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

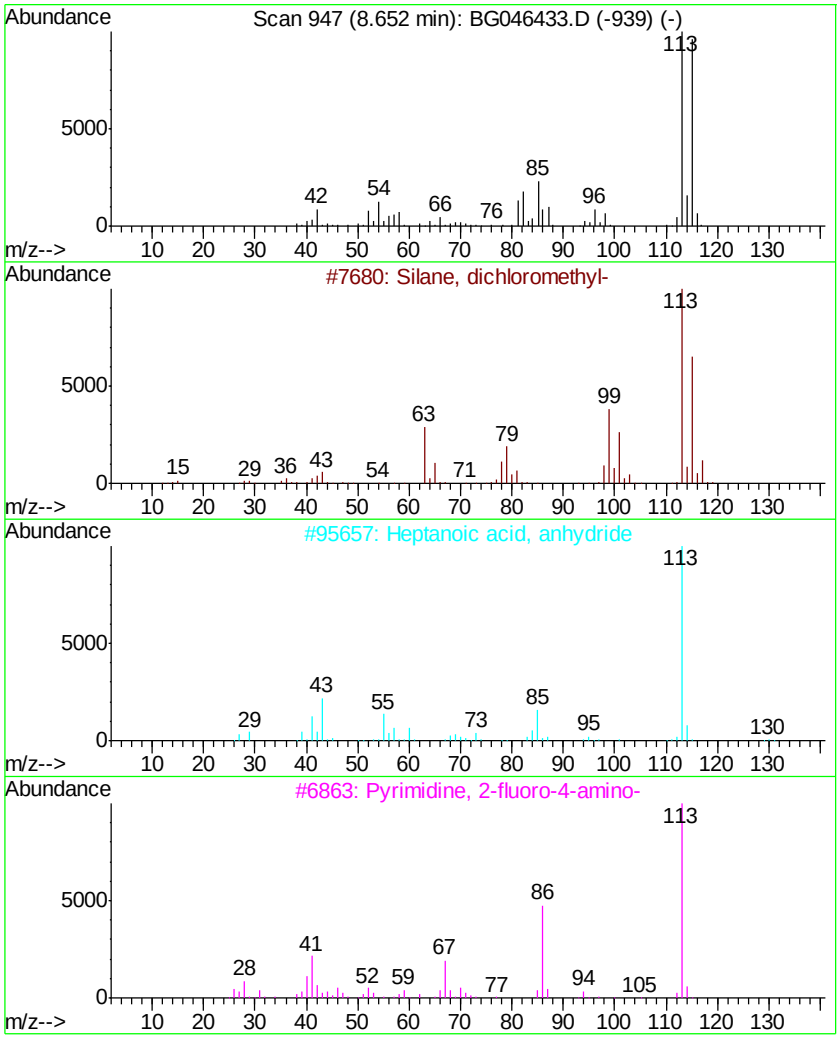
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

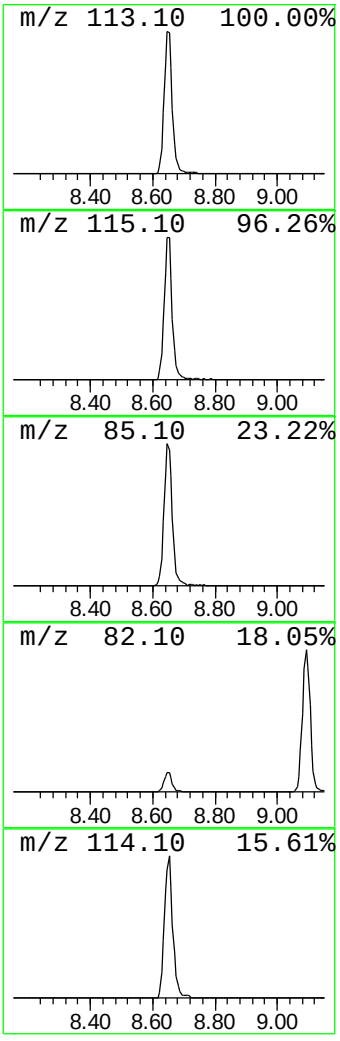
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	19.94 ng/ul	492260	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32
3	Pyrimidine, 2-fluoro-4-amino-	113	C4H4FN3	096548-91-3	25
4	4-Chloropyridine	113	C5H4ClN	000626-61-9	23
5	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	17





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Sample : L3649-13
Misc :
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Instrument : BNA_G
ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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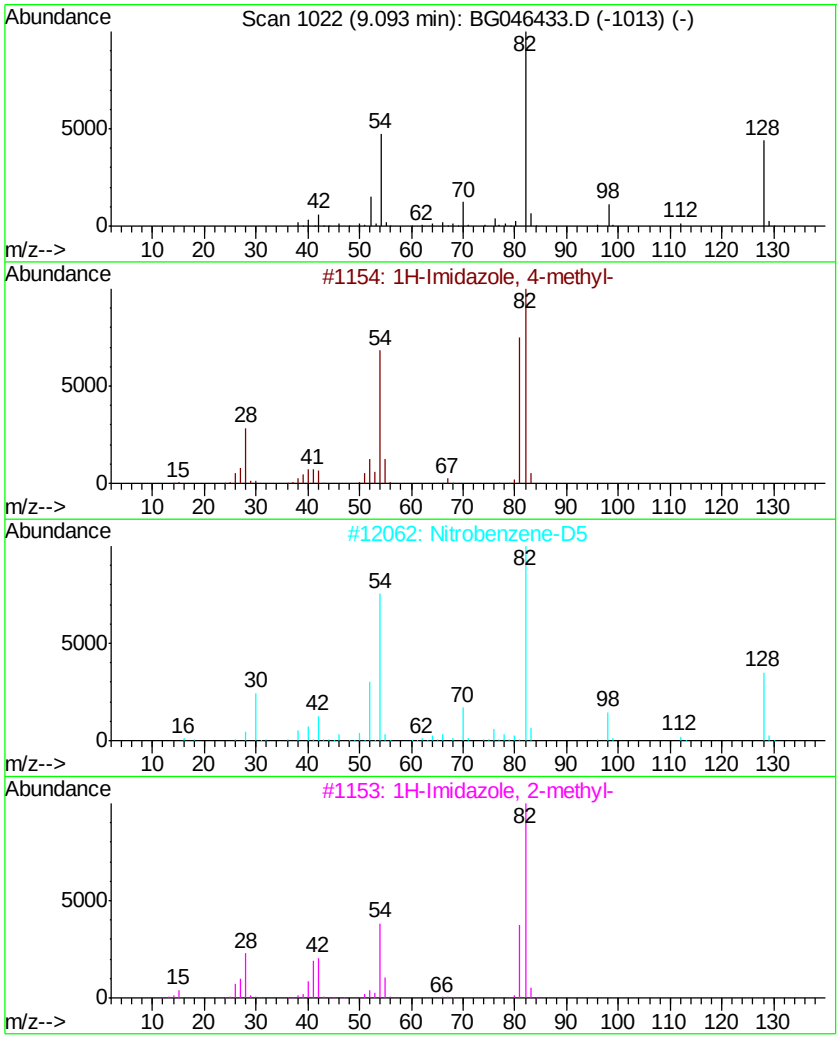
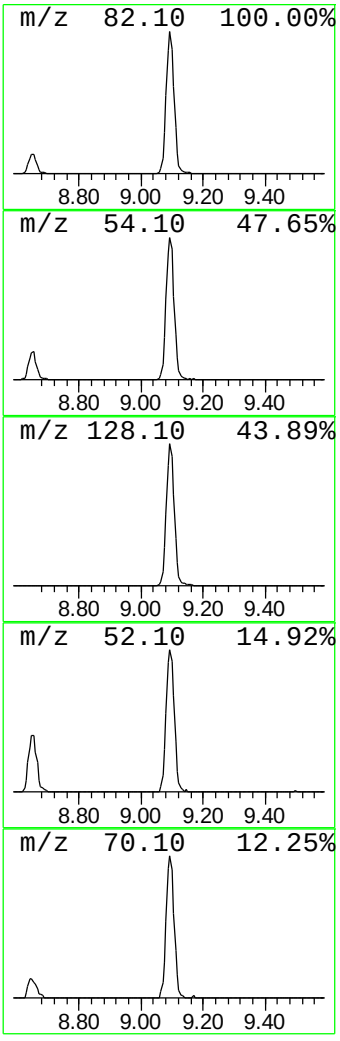
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	16.85 ng/ul	416172	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	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	47
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33
5	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	16





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Quant Title : SVOA CALIBRATION

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

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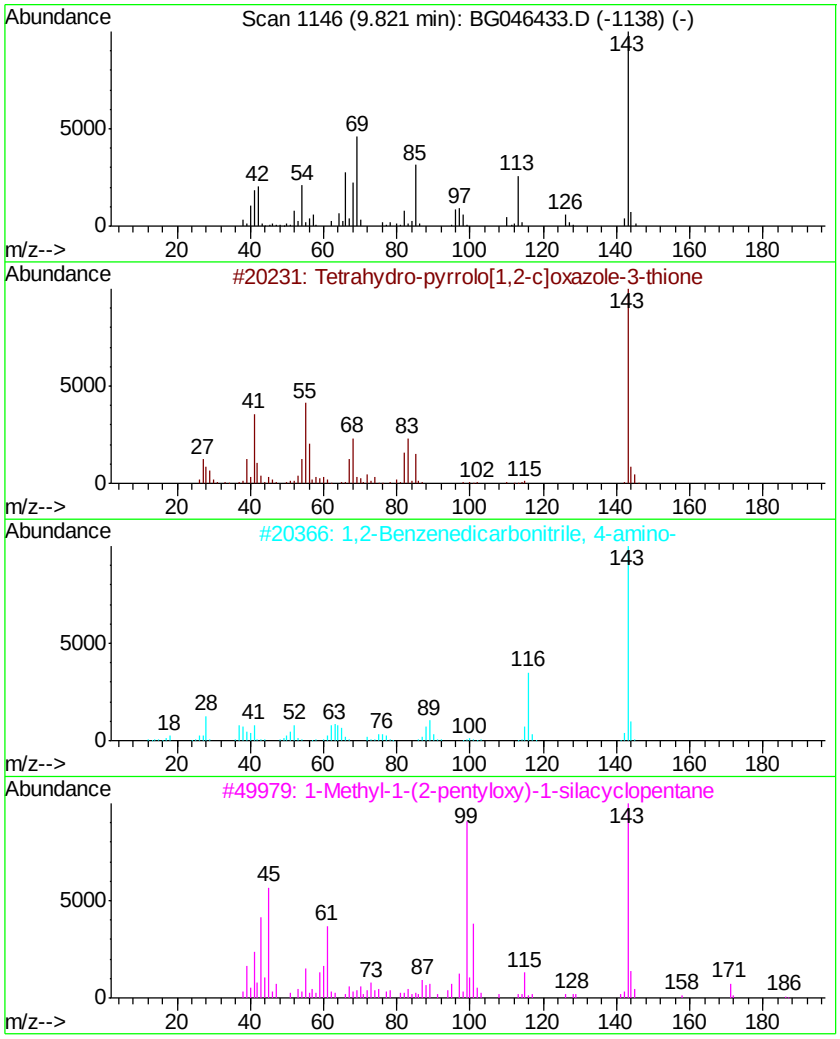
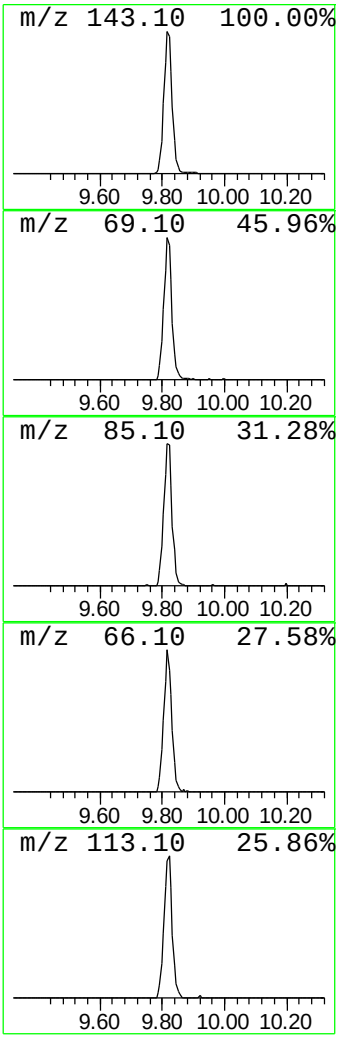
Peak Number 7 unknown-04 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	9.17 ng/ul	350499	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	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
3	1-Methyl-1-(2-pentyloxy)-1-silac...	186	C10H22OSi	1000216-95-9	14
4	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	12
5	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	12





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ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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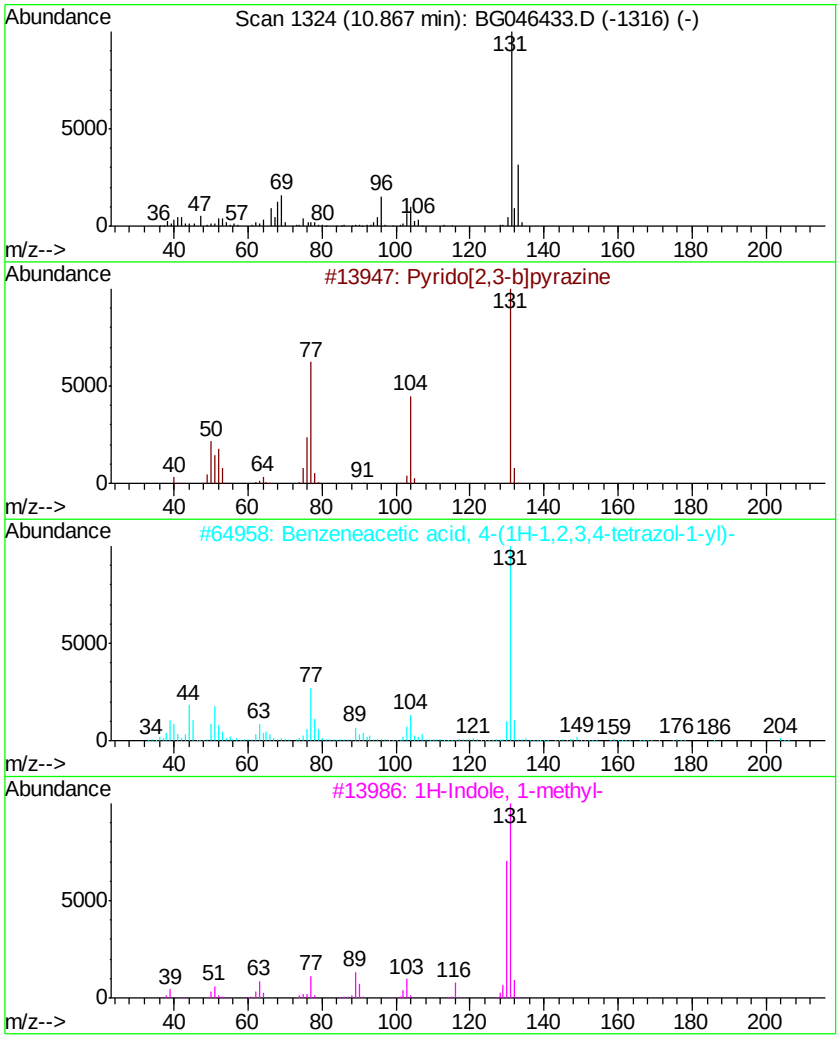
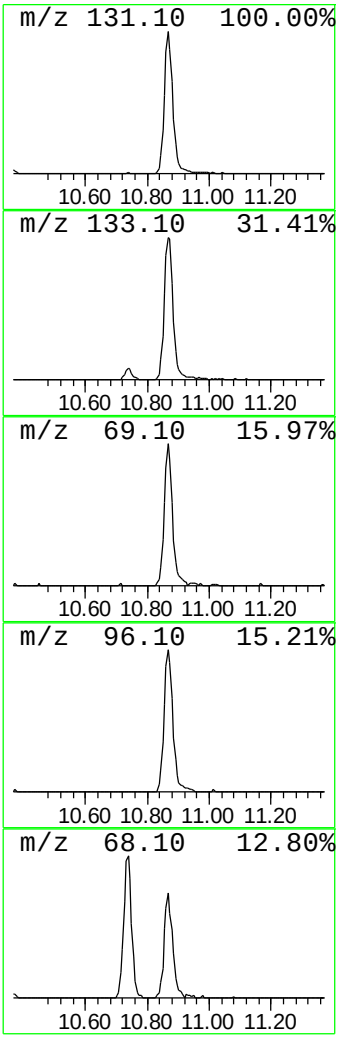
Peak Number 8 unknown-05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	11.47 ng/ul	438336	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	38
2	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	25
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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ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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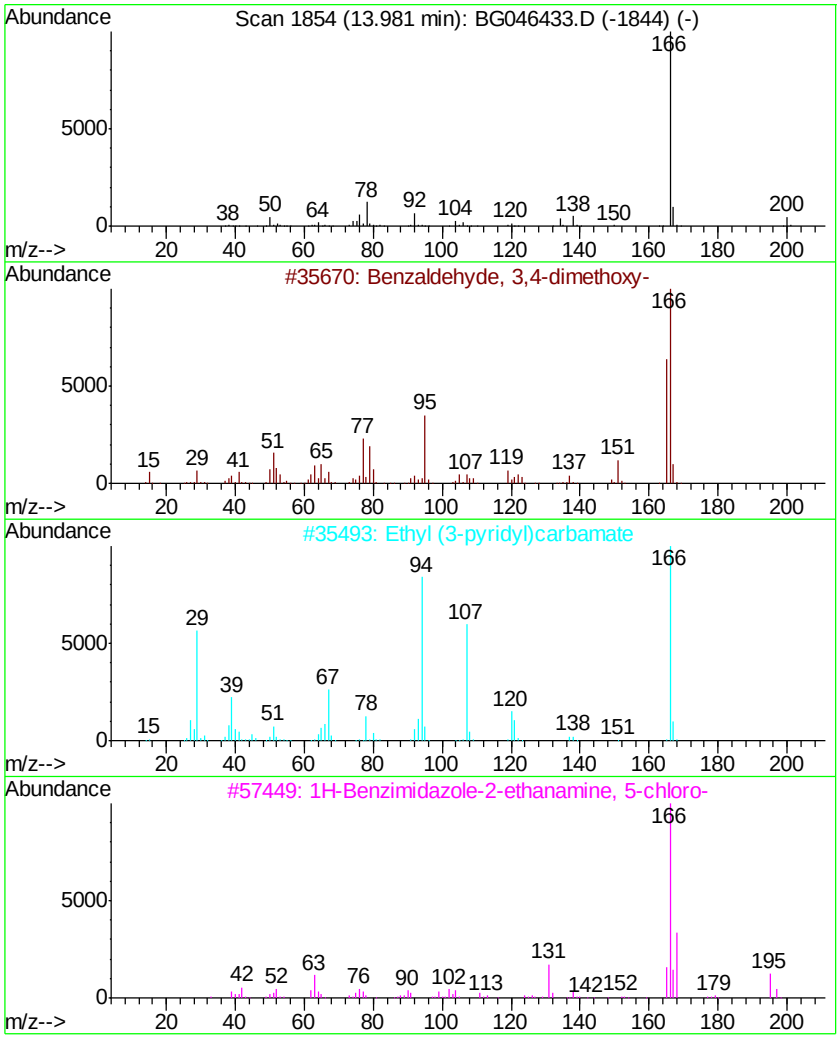
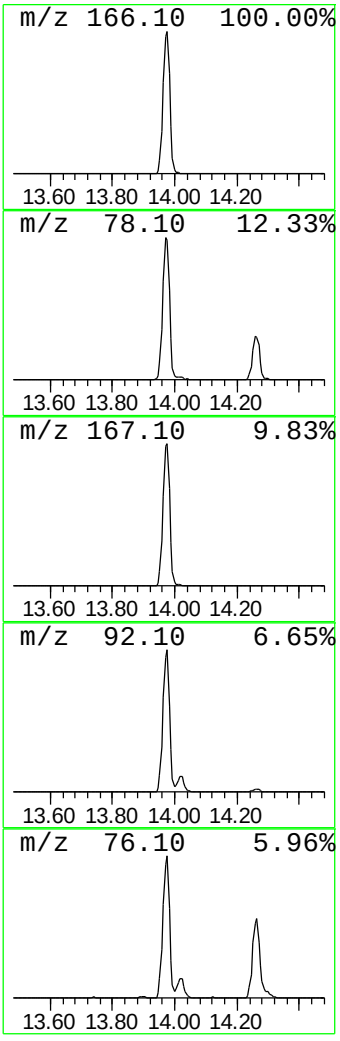
Peak Number 9 unknown-06 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	16.03 ng/ul	879363	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-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
4	Phenol, 5-(dimethylamino)-2-nitr...	166	C8H10N2O2	016761-04-9	38
5	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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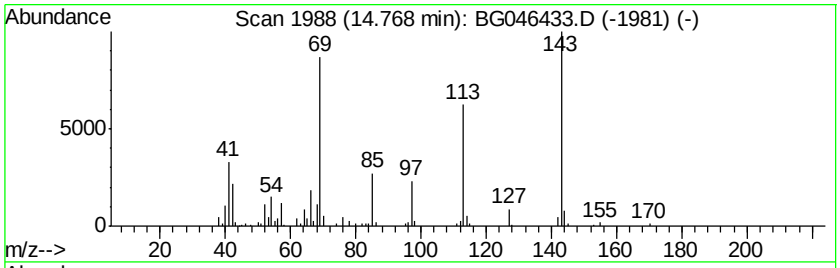
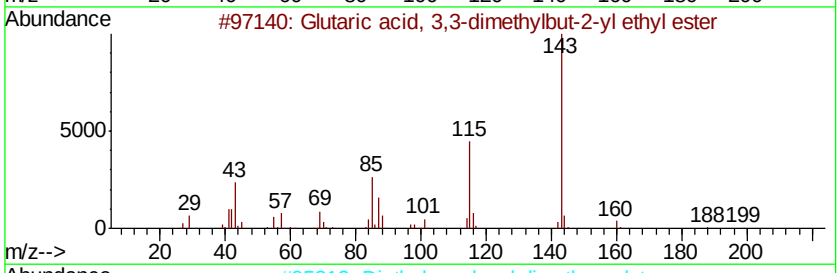
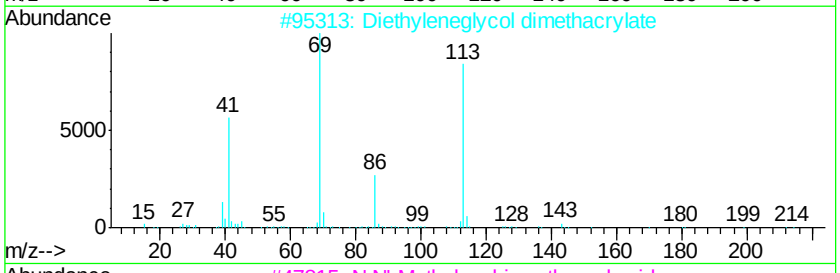
Peak Number 10 unknown-07 Concentration Rank 17

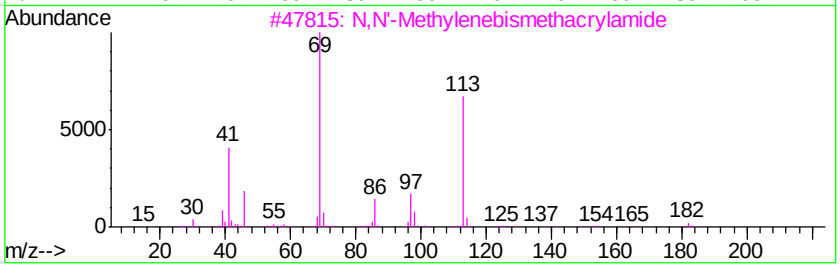
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	5.62 ng/ul	308514	Acenaphthene-d10	14.57

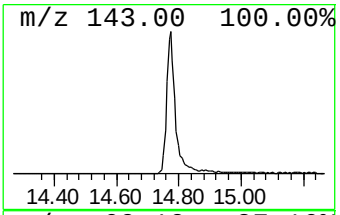
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	35
2	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
3	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
4	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	22
5	Glutaric acid, docosyl ethyl ester	468	C29H56O4	1000359-69-6	22

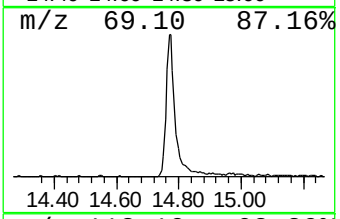


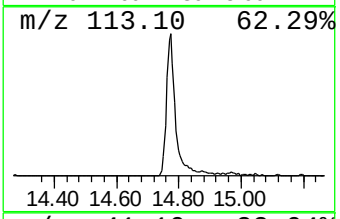


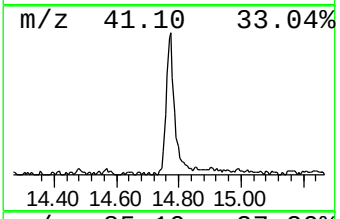


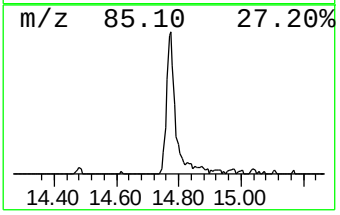












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Acq On : 22 Aug 2020 4:50
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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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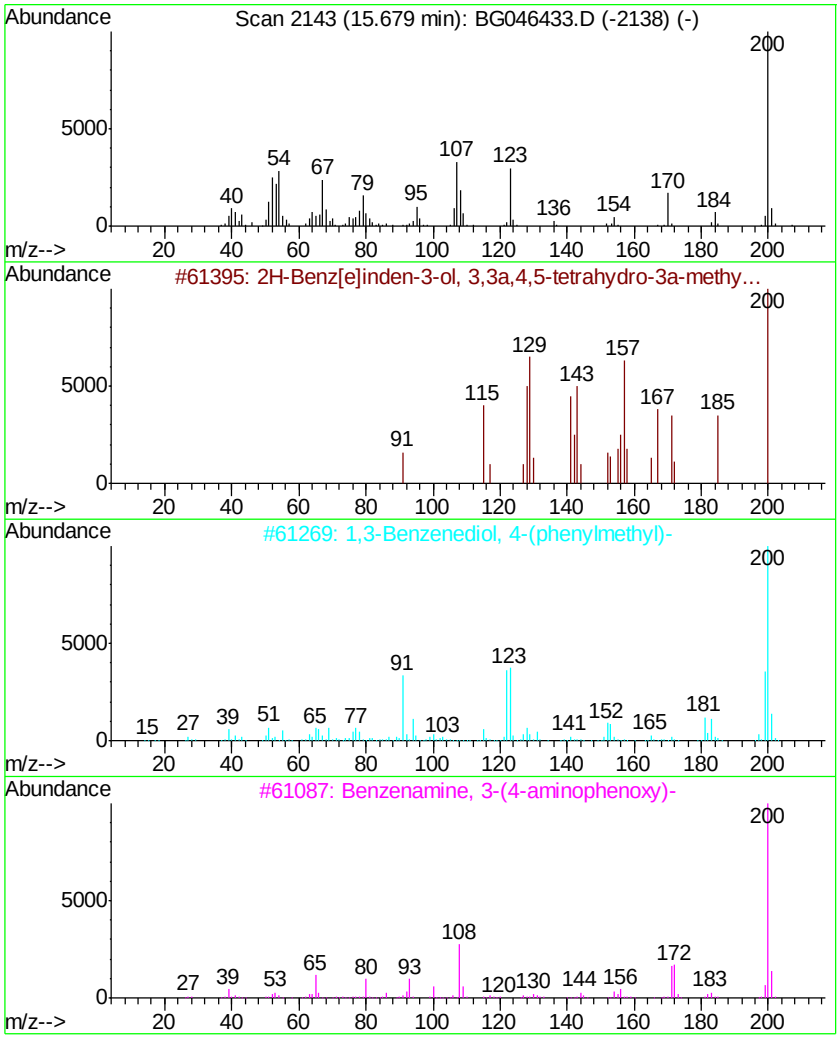
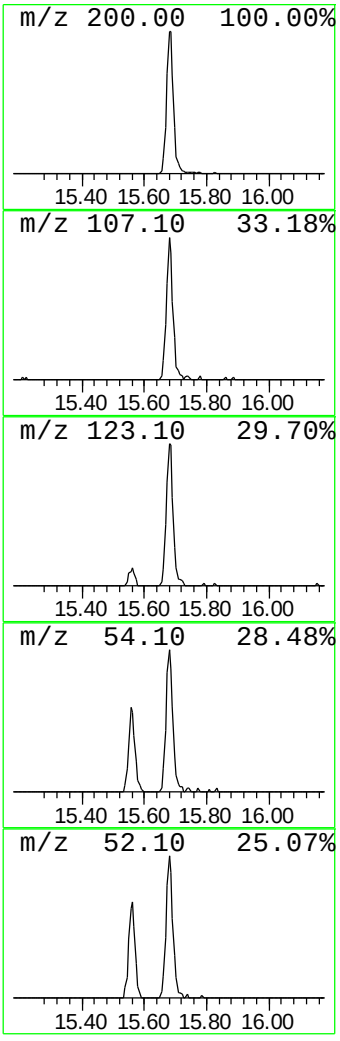
Peak Number 11 unknown-08 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.50 ng/ul	246796	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	35
2	1,3-Benzenediol, 4-(phenylmethyl)-	200	C13H12O2	002284-30-2	27
3	Benzenamine, 3-(4-aminophenoxy)-	200	C12H12N2O	002657-87-6	22
4	Methyl ferrocene	200	C11H12Fe	001271-44-9	22
5	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	22





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Instrument : BNA_G
ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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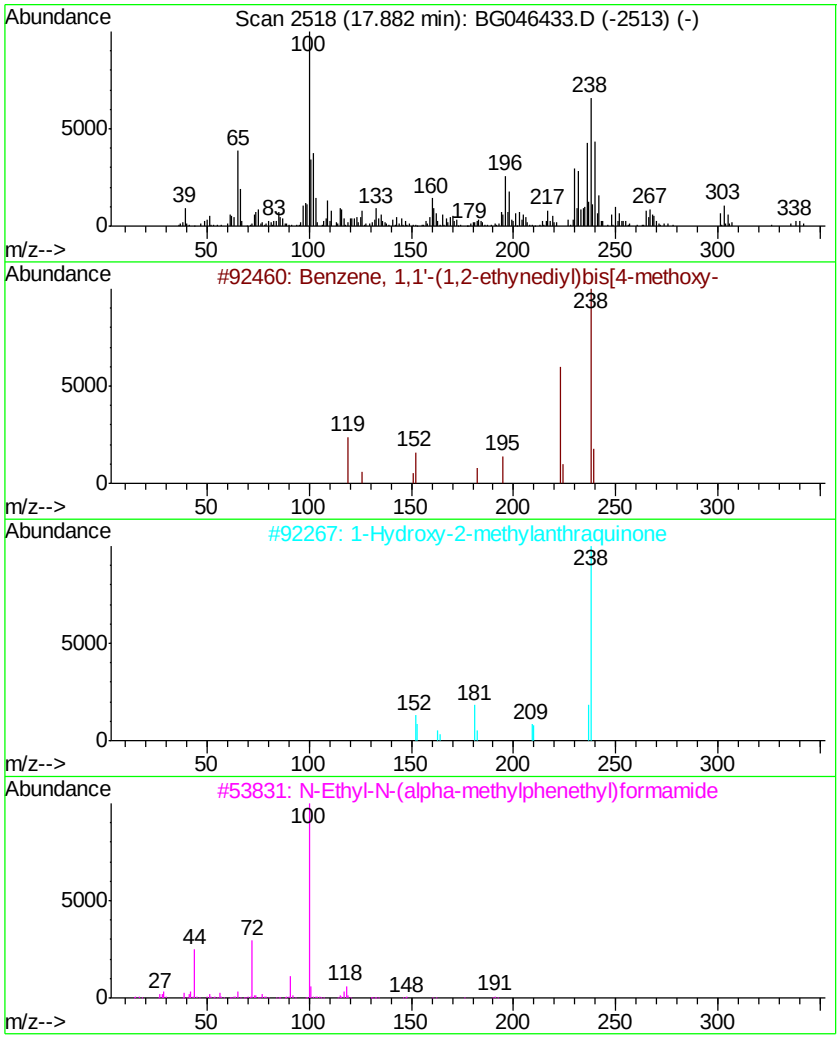
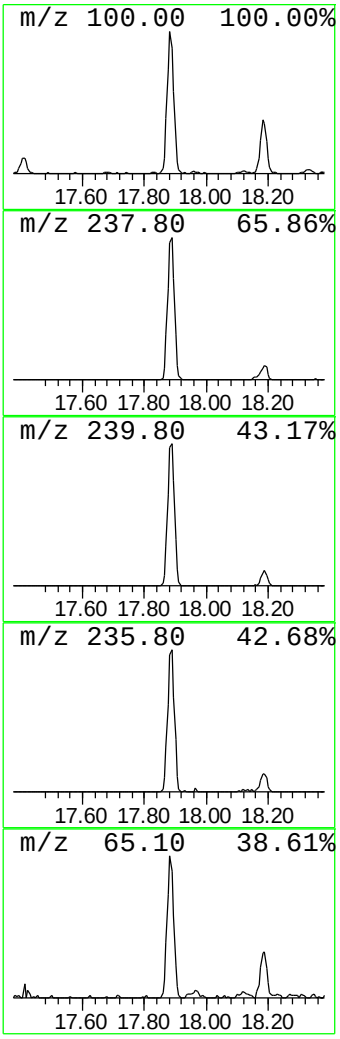
Peak Number 12 unknown-09 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	8.26 ng/ul	537411	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-ethynediyl)bi...	238	C16H14O2	002132-62-9	9
2	1-Hydroxy-2-methylanthraquinone	238	C15H10O3	006268-09-3	9
3	N-Ethyl-N-(alpha-methylphenethyl...	191	C12H17NO	1000240-85-5	9
4	Trimethylsilyl 2-morpholinoethan...	267	C9H21NO4SSi	1000372-69-8	9
5	4-Bromo-5-nitro-1H-pyrazole-3-ca...	317	C7H4BrN5O3S	1000300-87-0	9





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Quant Title : SVOA CALIBRATION

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

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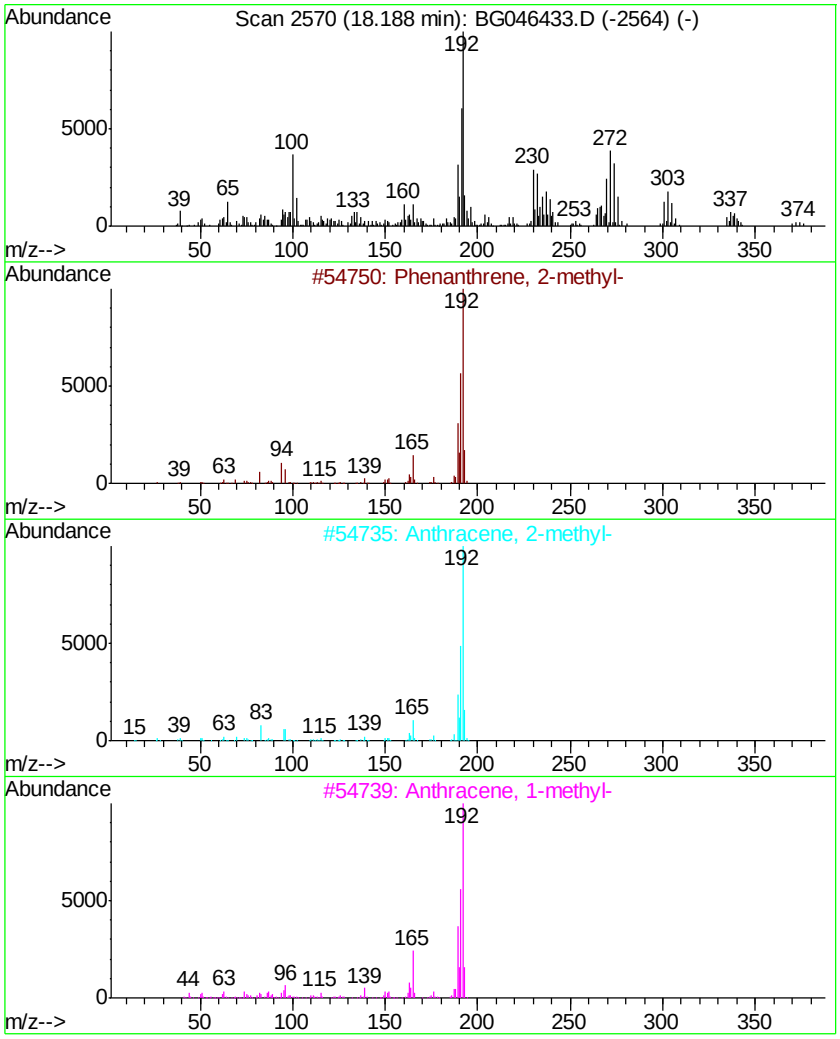
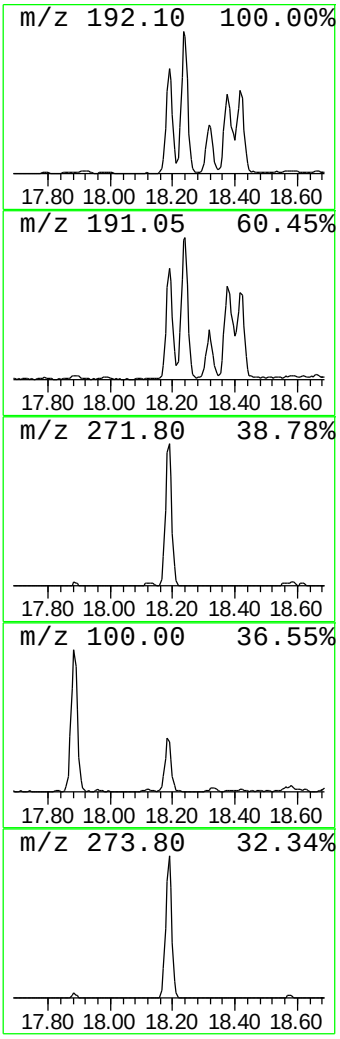
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	8.15 ng/ul	529916	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86





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Quant Title : SVOA CALIBRATION

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

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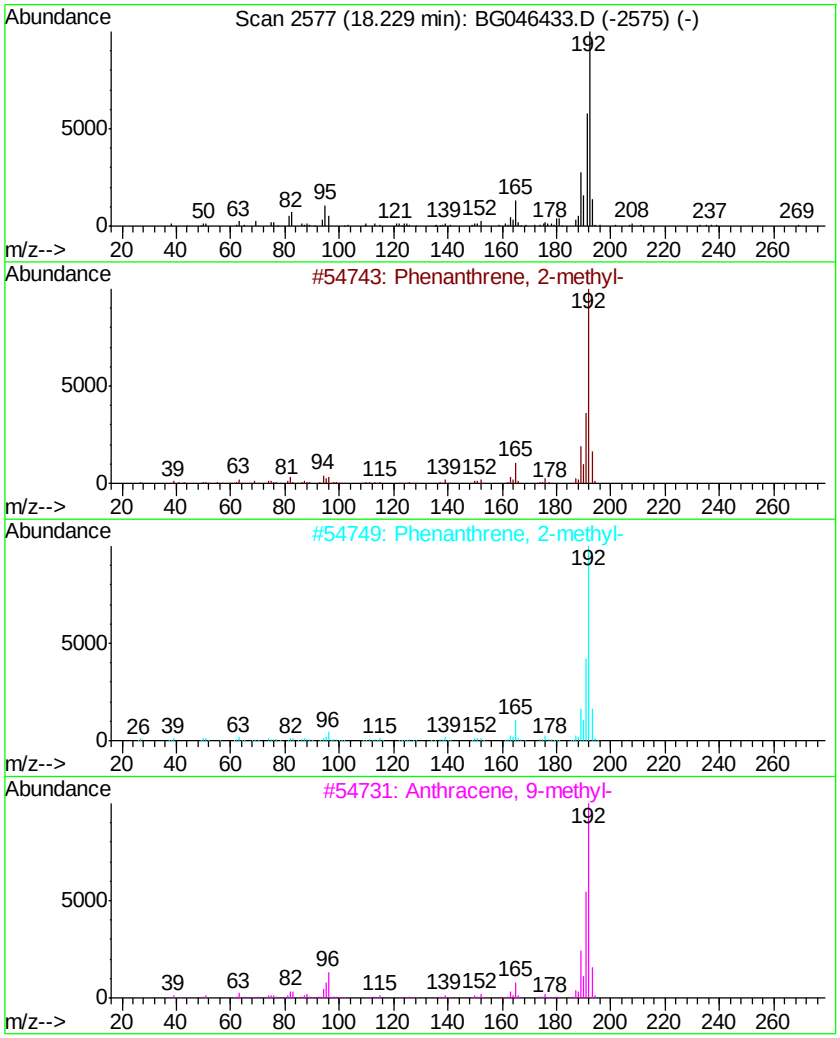
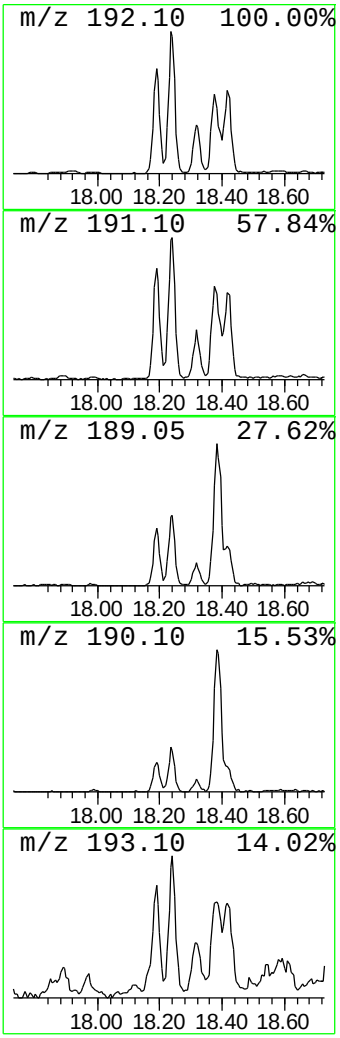
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.82 ng/ul	183231	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Quant Title : SVOA CALIBRATION

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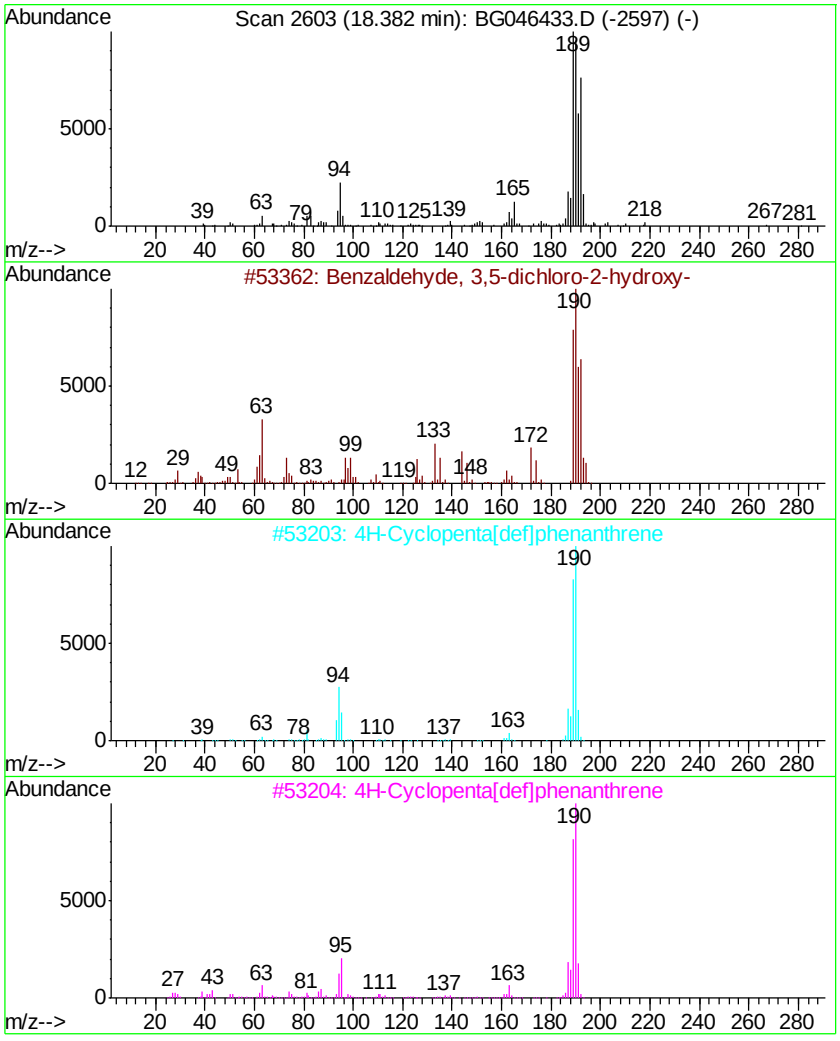
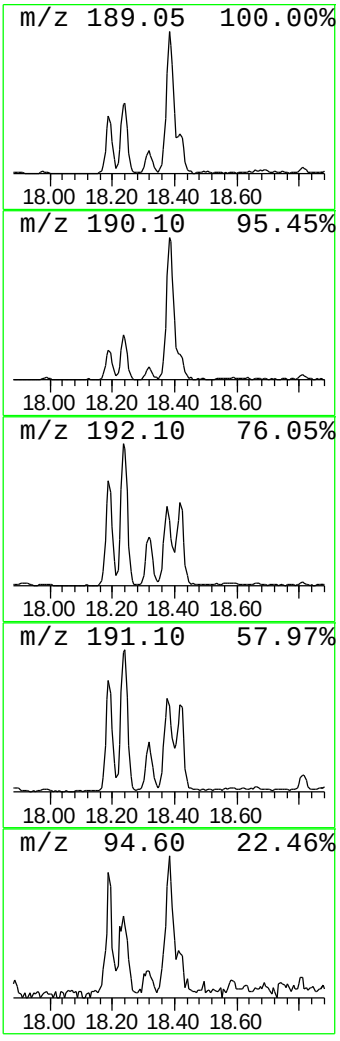
Peak Number 15 Benzaldehyde, 3,5-dichloro-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.18 ng/ul	206783	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Operator : CG/JU
Sample : L3649-13
Misc :
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Instrument : BNA_G
ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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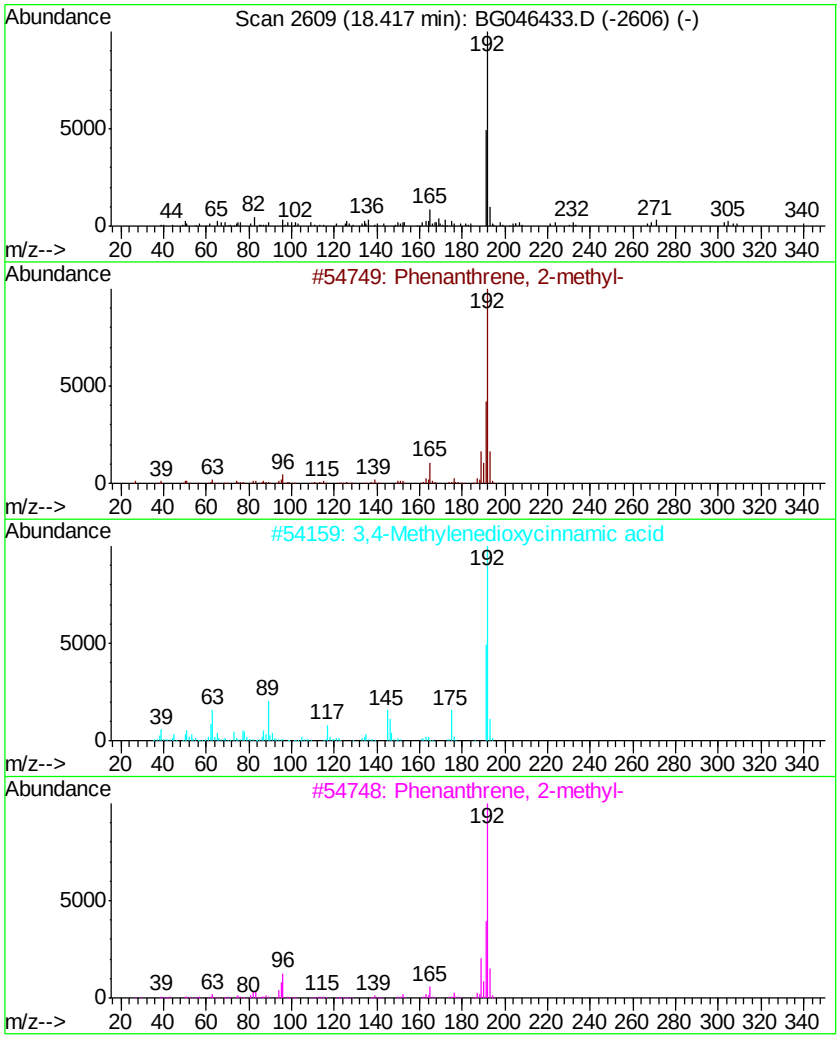
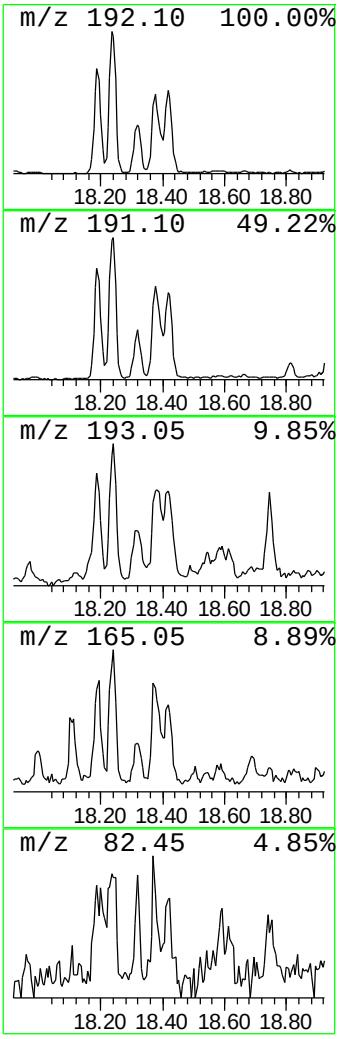
Peak Number 16 3,4-Methylenedioxycinnamic ... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.11 ng/ul	137156	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
2	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	72
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	64





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Quant Title : SVOA CALIBRATION

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

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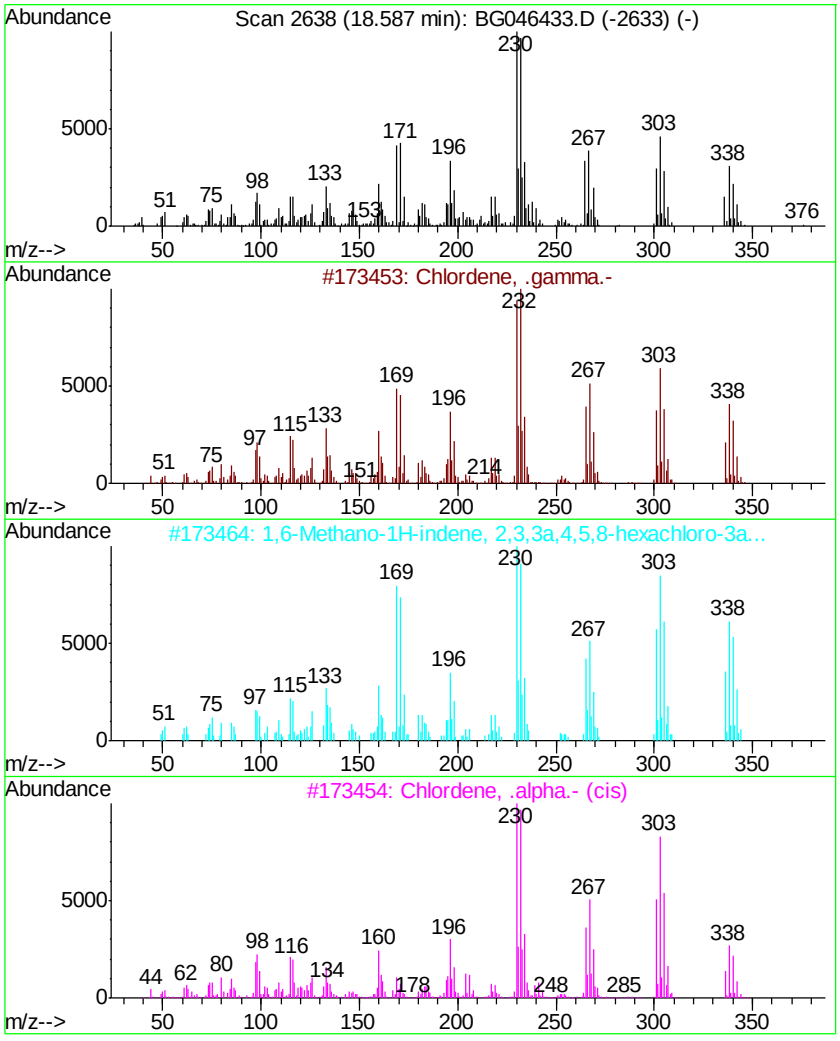
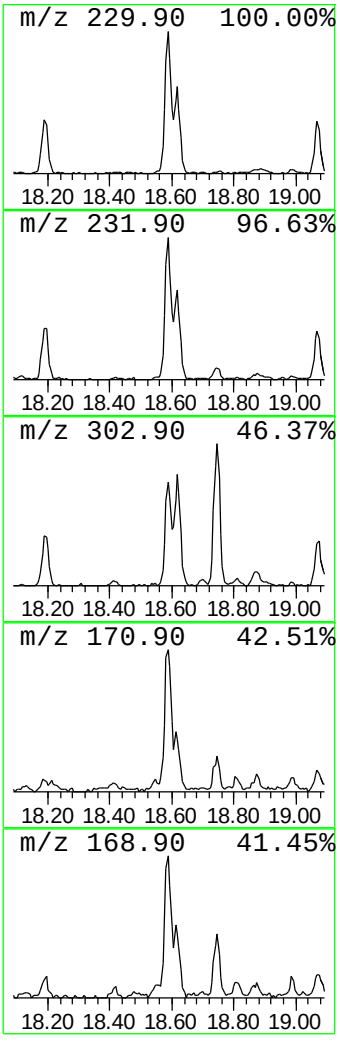
Peak Number 17 Chlordene, .gamma.- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	7.95 ng/ul	517052	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	96
3	Chlordene, .alpha.- (cis)	336	C10H6Cl6	1000378-50-5	91
4	1-Allyl-5-bromo-6-hydroxypyridaz...	230	C7H7BrN2O2	1000313-99-5	46
5	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	45





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Quant Title : SVOA CALIBRATION

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

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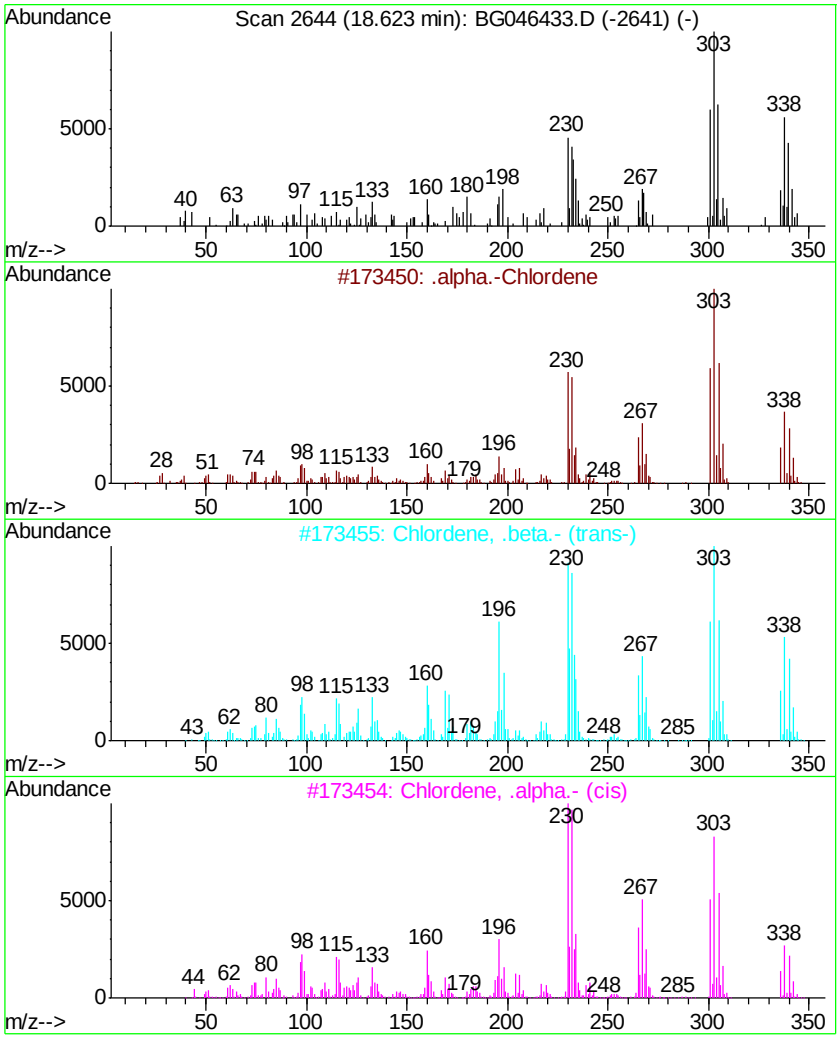
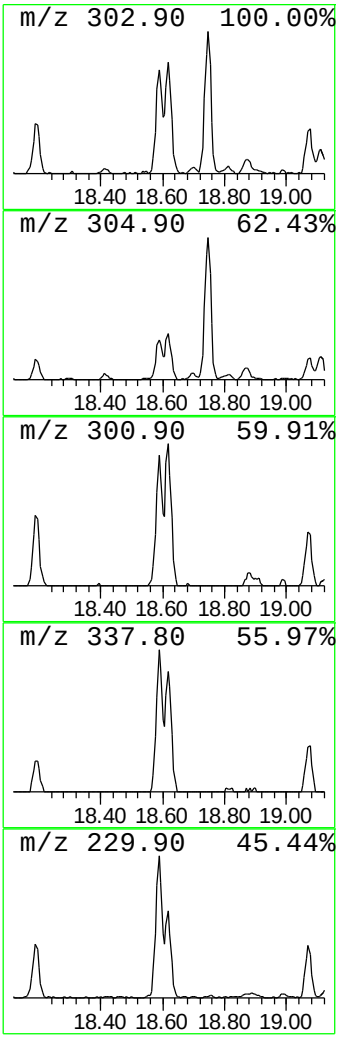
Peak Number 18 .alpha.-Chlordene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.54 ng/ul	295551	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	96
2	Chlordene, .beta.- (trans-)	336	C10H6Cl6	1000378-50-4	93
3	Chlordene, .alpha.- (cis)	336	C10H6Cl6	1000378-50-5	93
4	1,6-Methano-1H-indene, 2,3,3a,4,...	336	C10H6Cl6	056641-38-4	90
5	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	80





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ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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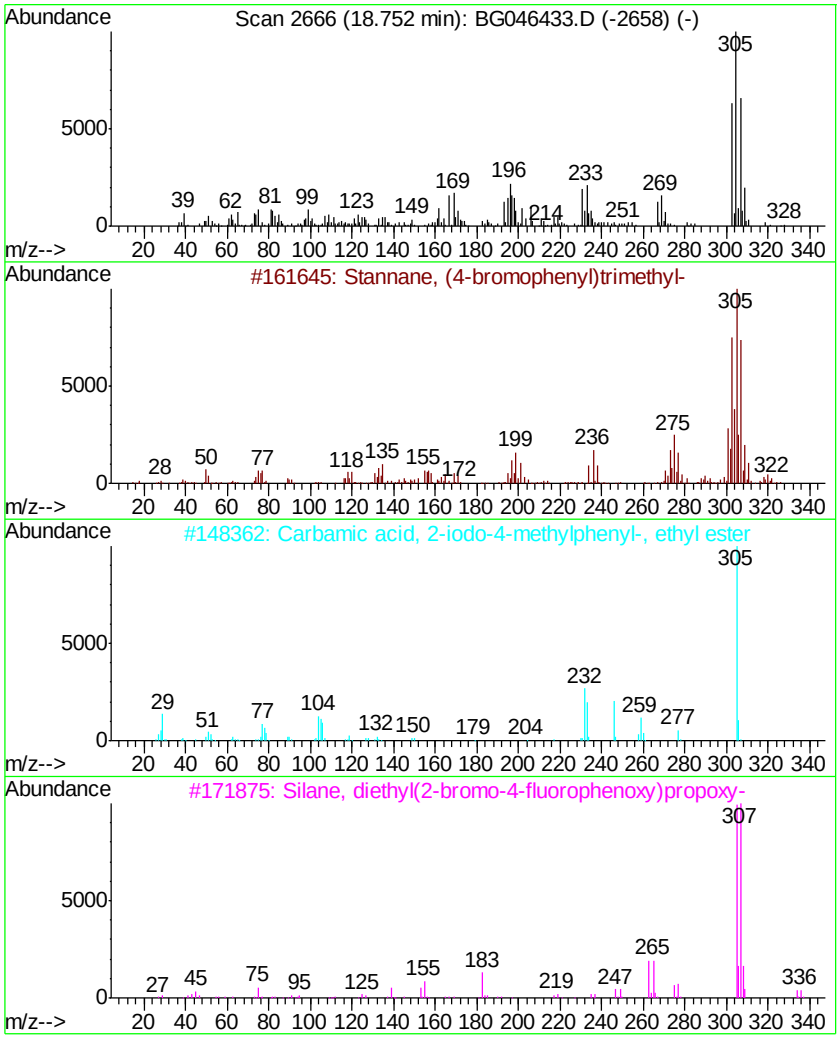
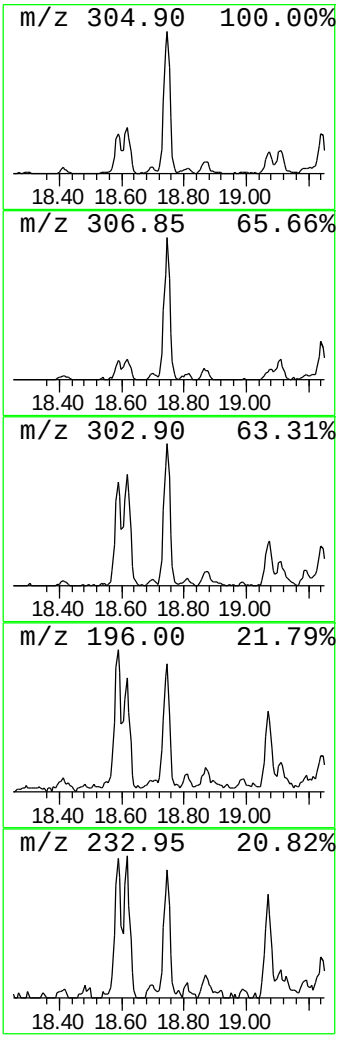
Peak Number 19 unknown-10 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	6.68 ng/ul	434422	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stannane, (4-bromophenyl)trimethyl-	320	C9H13BrSn	000937-11-1	40
2	Carbamic acid, 2-iodo-4-methylph...	305	C10H12INO2	1000314-76-2	27
3	Silane, diethyl(2-bromo-4-fluoro...	334	C13H20BrFO2Si	1000363-17-6	17
4	3-(3-Chloro-4-fluorophenyl)-2-su...	306	C14H8ClFN2OS	1000298-15-1	17
5	1H-Pyrrole-2-carboxylic acid, 4-...	305	C20H19NO2	080765-53-3	16





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ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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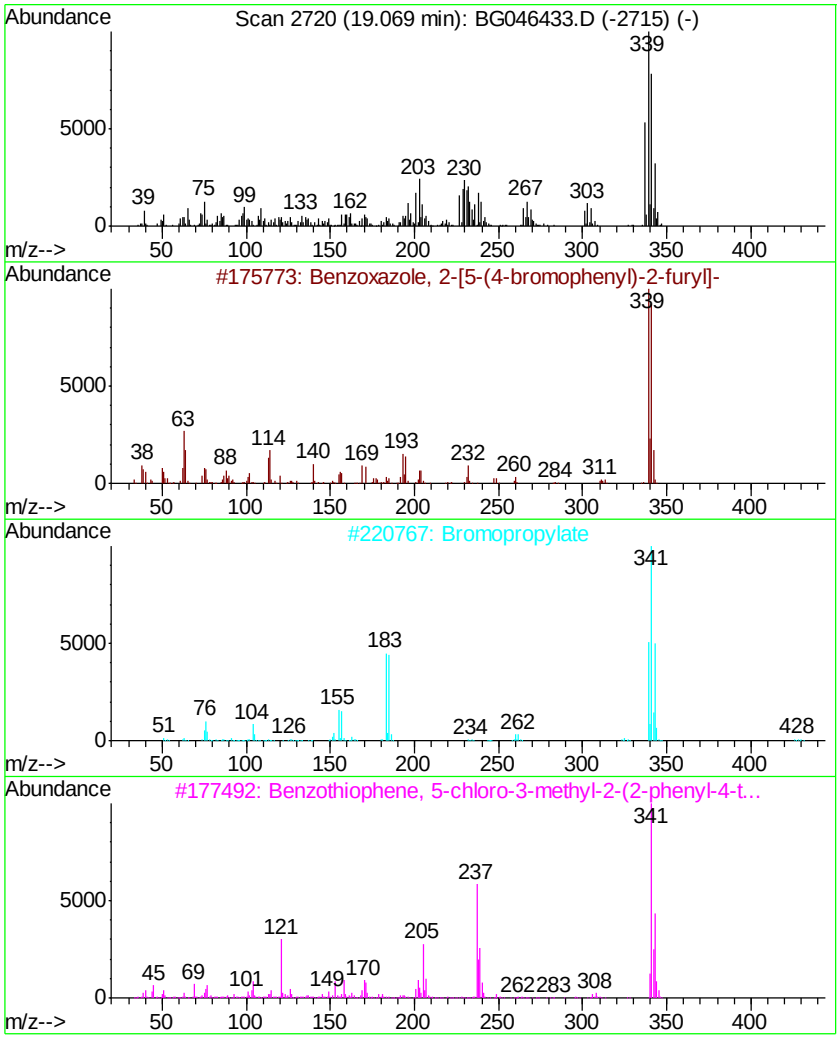
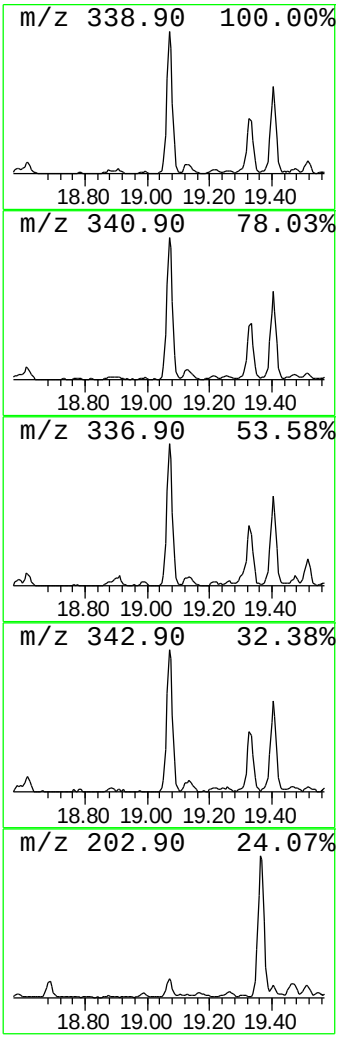
Peak Number 20 unknown-11 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	8.33 ng/ul	541838	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[5-(4-bromophenyl...	339	C17H10BrNO2	1000269-85-0	25
2	Bromopropylate	426	C17H16Br2O3	018181-80-1	25
3	Benzothiophene, 5-chloro-3-methy...	341	C18H12ClNS2	1000270-14-7	22
4	3-(6-Methyl-3-pyridyl)-1,5-di(p-...	341	C23H23N3	010040-66-1	18
5	1H-Pyrrol-2-amine, 4,5-dimethyl-...	341	C18H19N3O2S	1000351-22-6	18





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ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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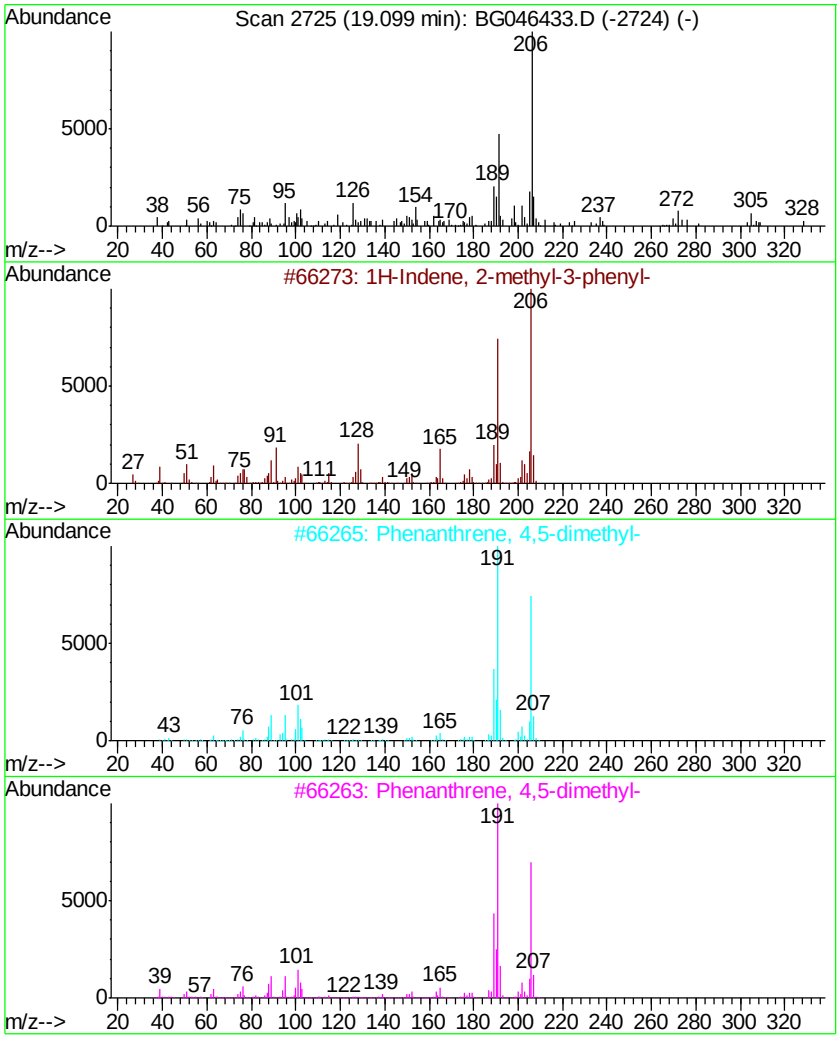
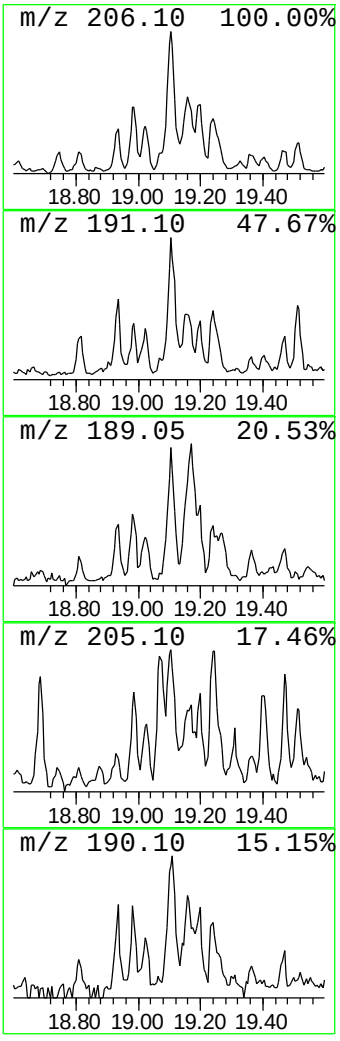
Peak Number 21 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.61 ng/ul	170036	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	78
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





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Instrument : BNA_G
ClientSampleId : BFMY0

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Quant Title : SVOA CALIBRATION

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

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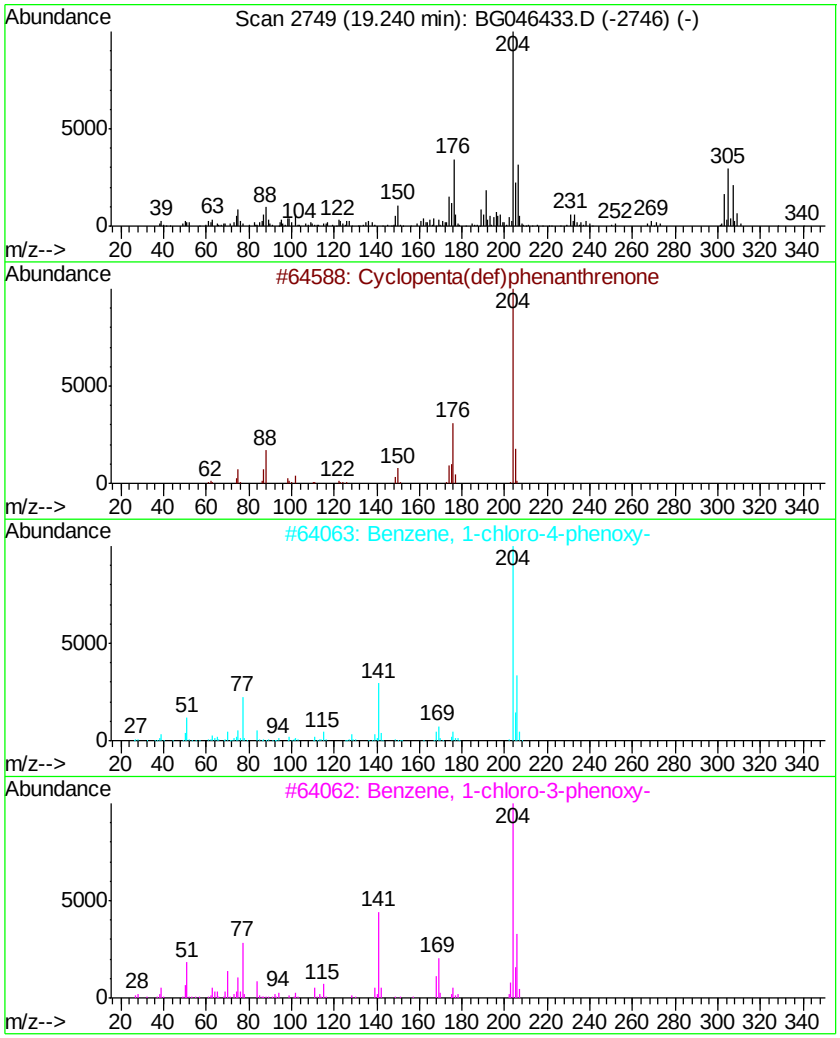
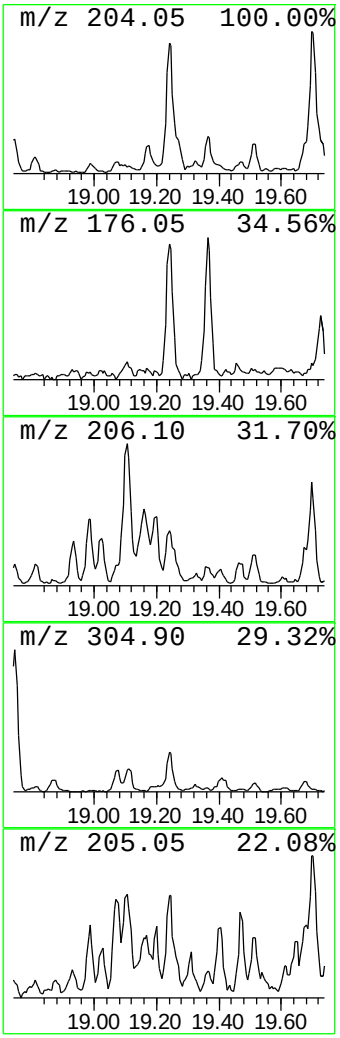
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	3.91 ng/ul	254535	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Quant Title : SVOA CALIBRATION

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

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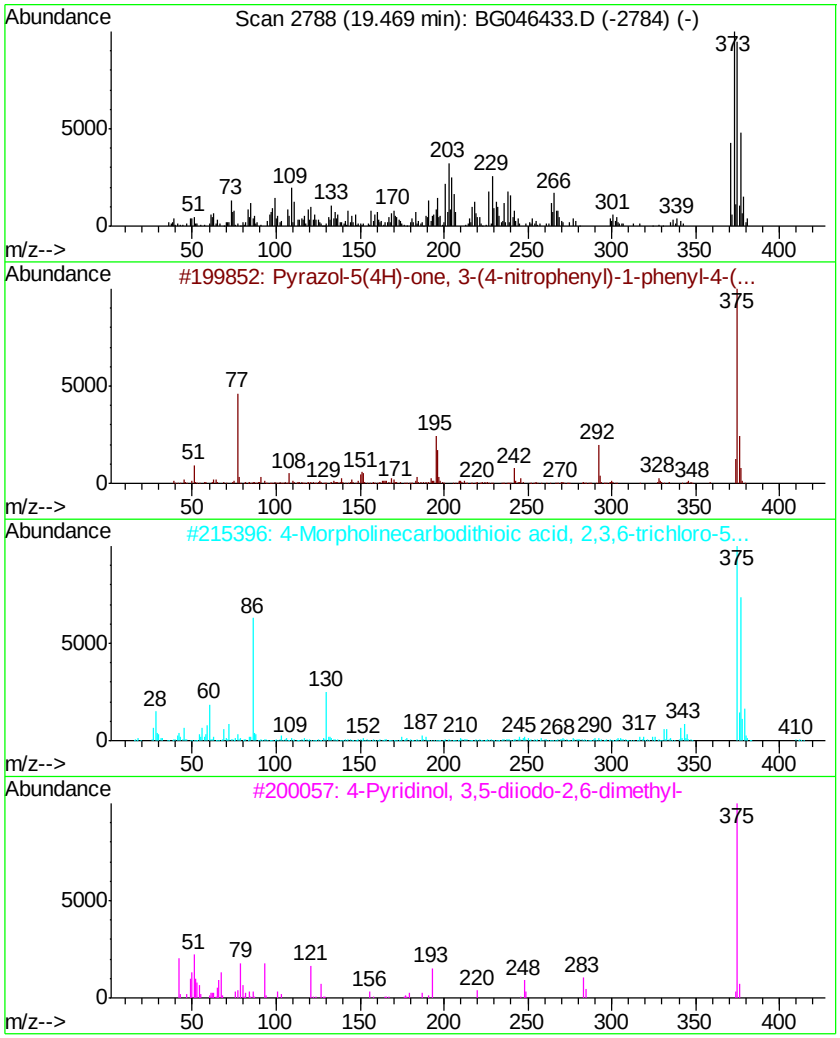
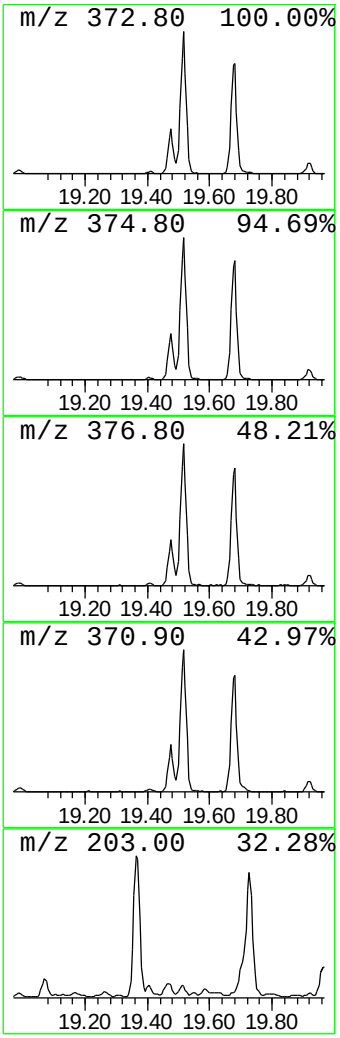
Peak Number 23 unknown-12 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	3.00 ng/ul	333936	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazol-5(4H)-one, 3-(4-nitrophe...	375	C20H13N3O3S	1000274-00-1	10
2	4-Morpholinecarbodithioic acid, ...	410	C11H8Cl3F3N2OS2	1000305-31-7	10
3	4-Pyridinol, 3,5-diiodo-2,6-dime...	375	C7H7I2NO	004563-30-8	10
4	7-Fluoro-3,4-dihydro-3-[4-[trifl...	375	C20H13F4NO2	144155-10-2	10
5	6,8-Dichloro-2-(1-adamantanyl)-4...	375	C20H19Cl2NO2	049647-91-8	10





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Quant Title : SVOA CALIBRATION

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

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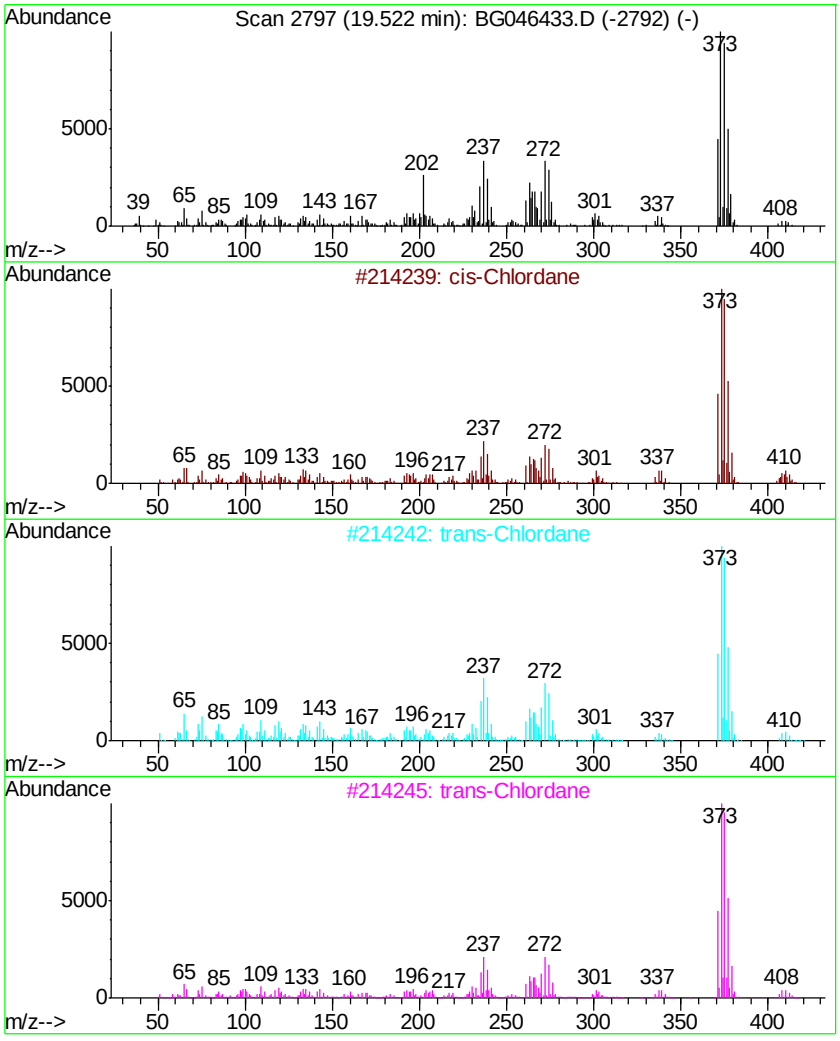
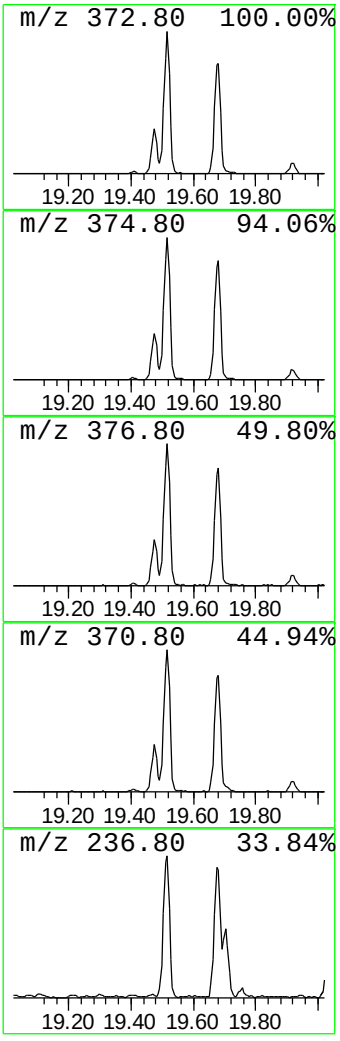
Peak Number 24 cis-Chlordane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	9.67 ng/ul	1076670	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Chlordane	406	C10H6Cl8	005103-71-9	99
2	trans-Chlordane	406	C10H6Cl8	005103-74-2	99
3	trans-Chlordane	406	C10H6Cl8	005103-74-2	99
4	trans-Chlordane	406	C10H6Cl8	005103-74-2	95
5	cis-Chlordane	406	C10H6Cl8	005103-71-9	95





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Quant Title : SVOA CALIBRATION

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

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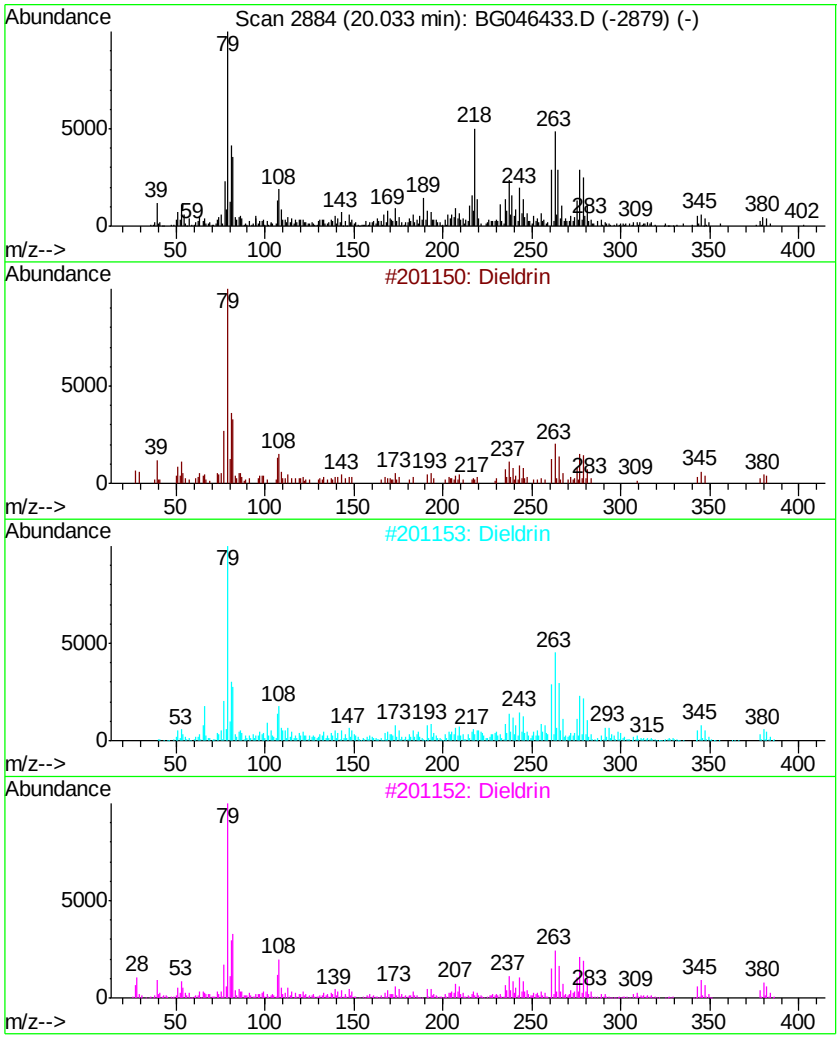
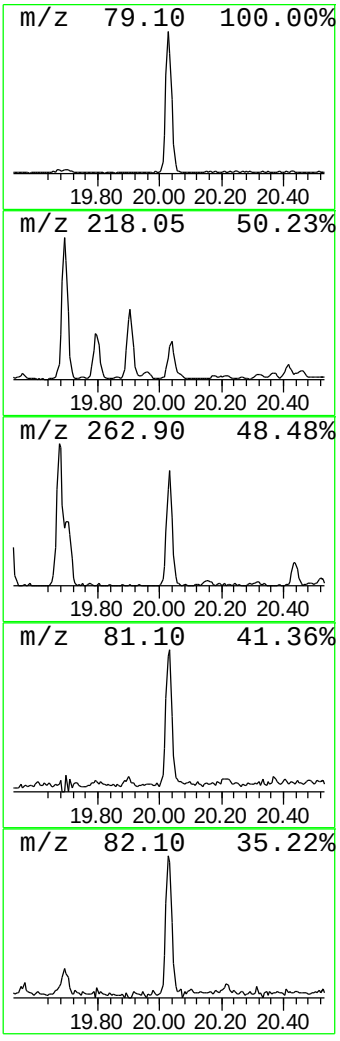
Peak Number 25 Dieldrin Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	4.39 ng/ul	488351	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dieldrin	378	C12H8Cl6O	000060-57-1	99
2	Dieldrin	378	C12H8Cl6O	000060-57-1	95
3	Dieldrin	378	C12H8Cl6O	000060-57-1	93
4	Dieldrin	378	C12H8Cl6O	000060-57-1	90
5	1,2,3,4,10,10-Hexachloro-6,7-epo...	378	C12H8Cl6O	056816-04-7	30





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Quant Title : SVOA CALIBRATION

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

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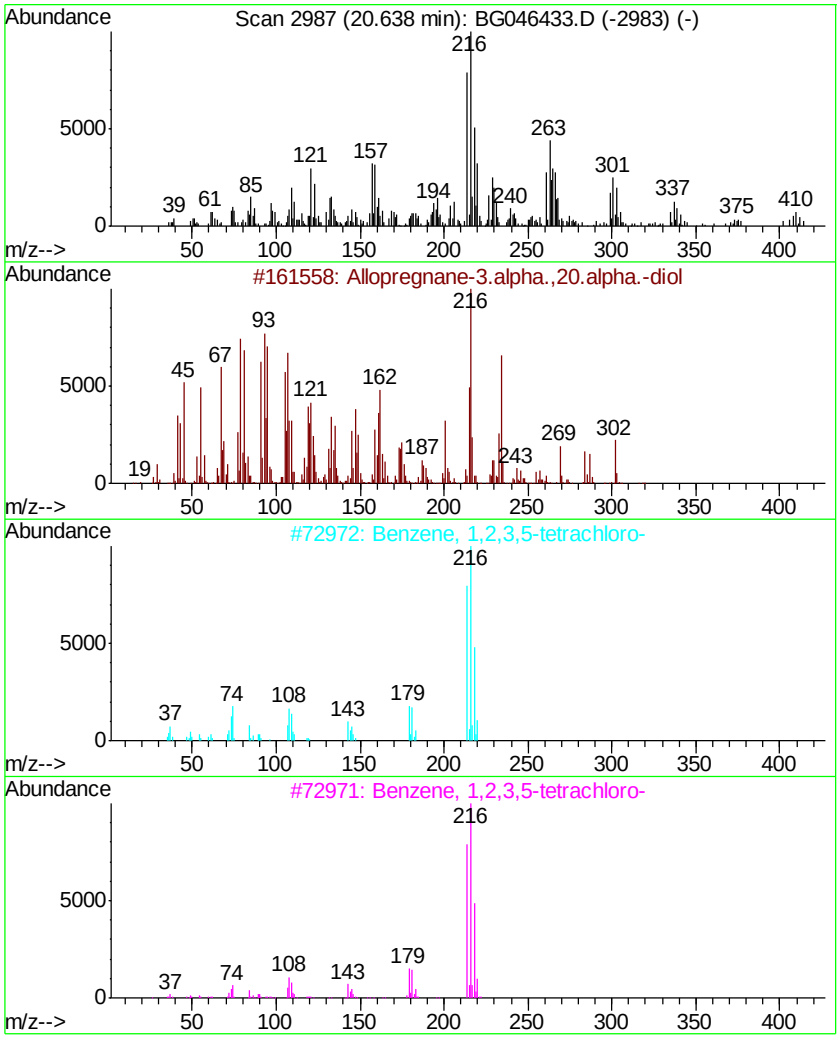
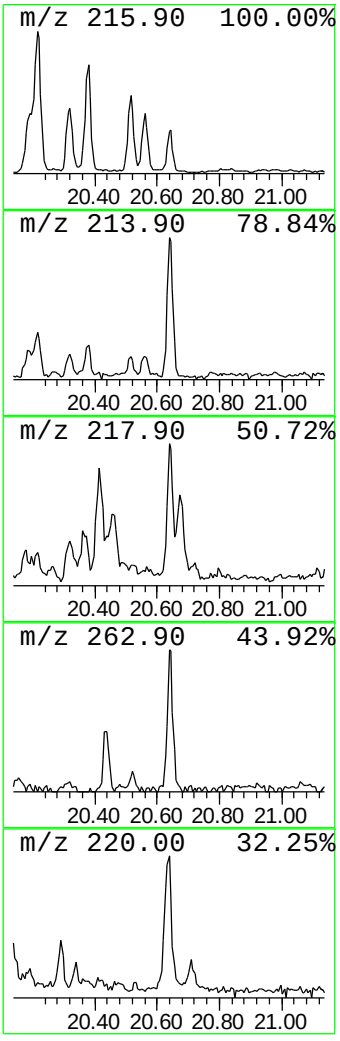
Peak Number 26 Allopregnane-3.alpha.,20.al... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.27 ng/ul	252396	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	90
2	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	46
3	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	46
4	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	41
5	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046433.D
Acq On : 22 Aug 2020 4:50
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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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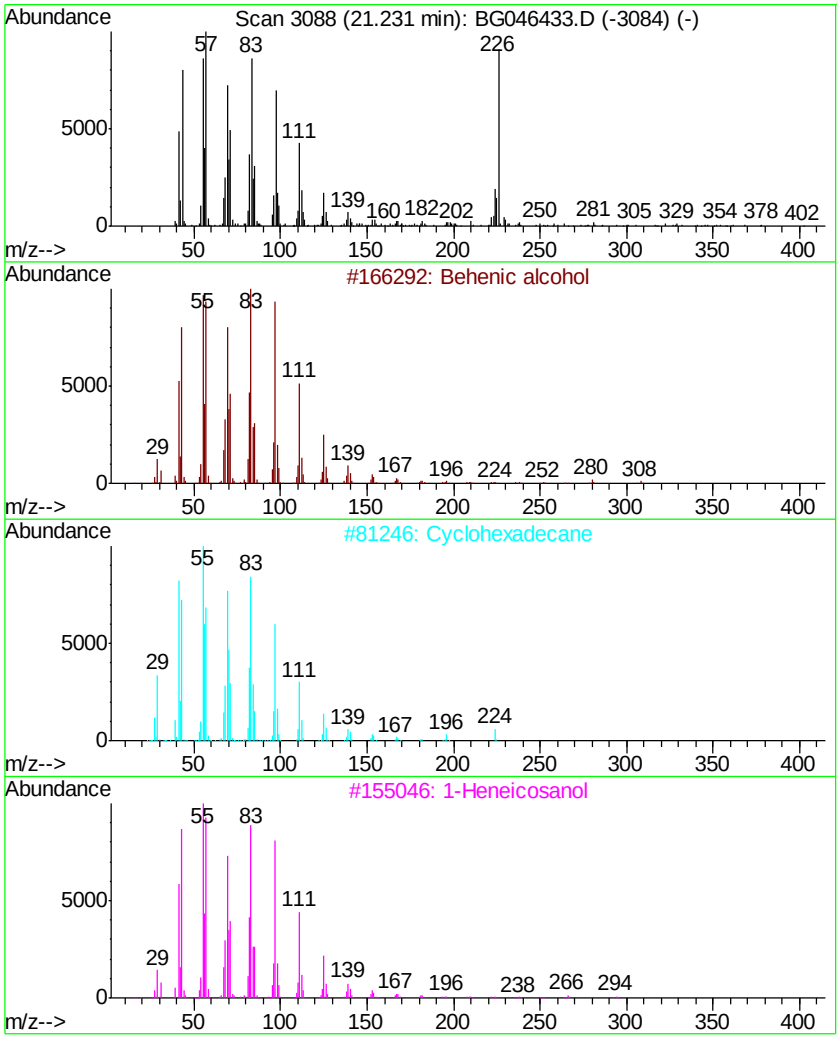
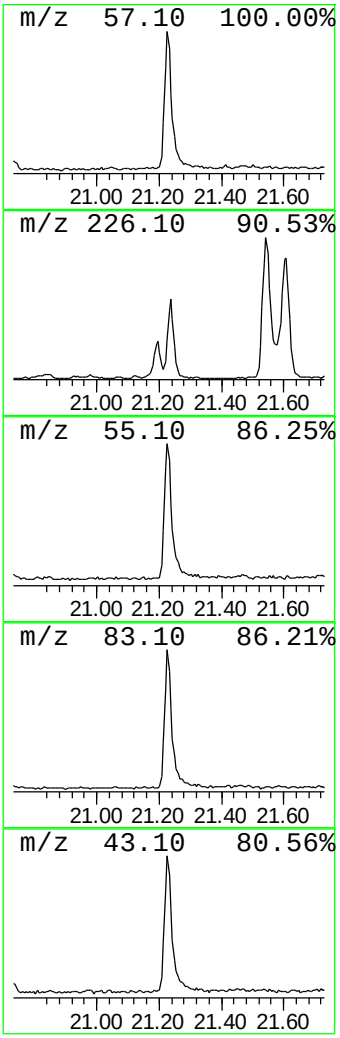
Peak Number 27 Behenic alcohol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	5.65 ng/ul	629610	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	95
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	1-Heneicosanol	312	C21H44O	015594-90-8	94
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046433.D
Acq On : 22 Aug 2020 4:50
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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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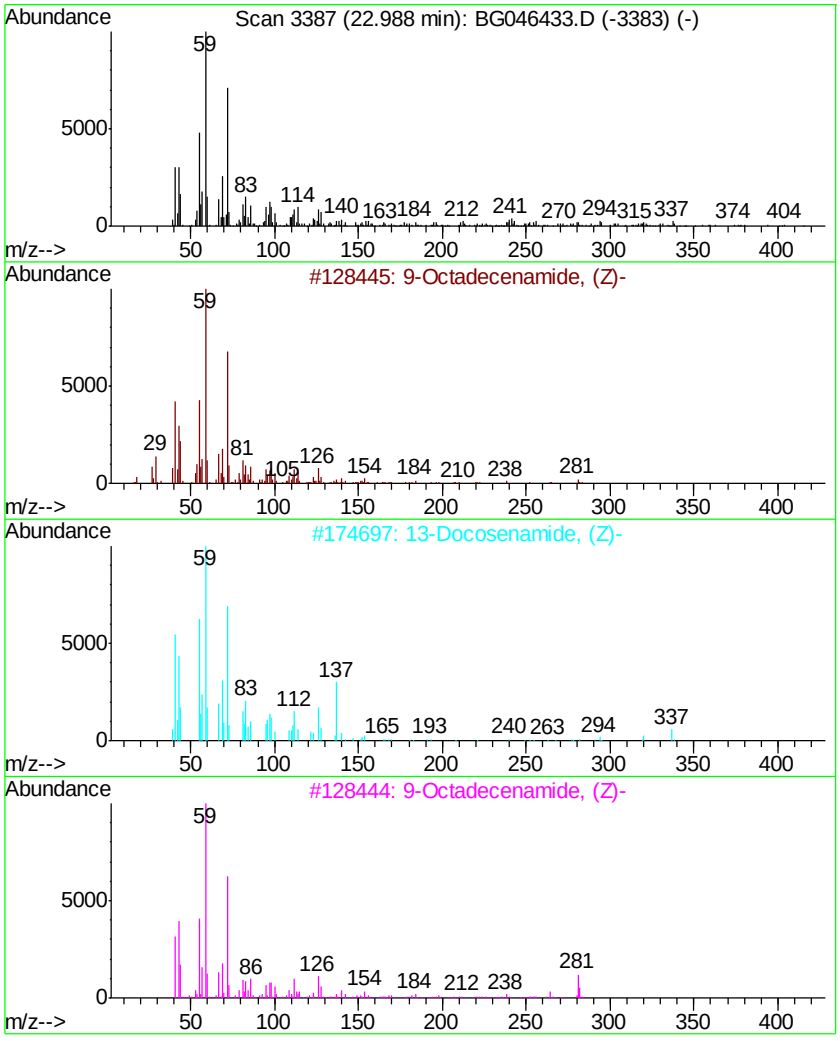
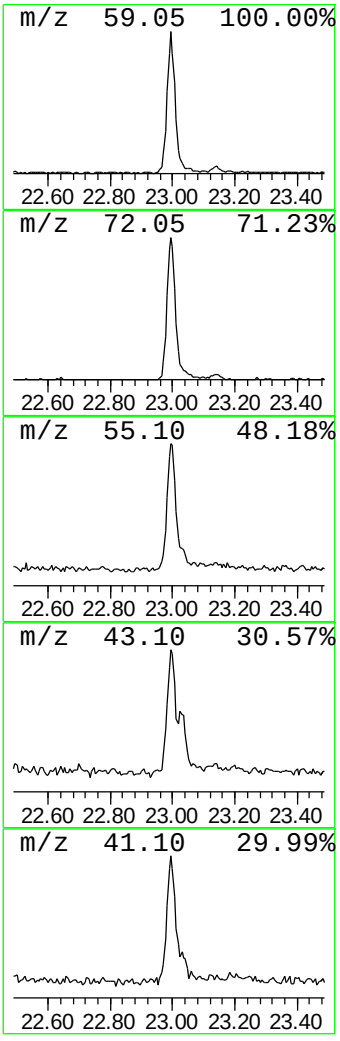
Peak Number 28 9-Octadecenamide, (Z)- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	3.53 ng/ul	393292	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	95
2	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	90
3	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
4	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
5	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046433.D
Acq On : 22 Aug 2020 4:50
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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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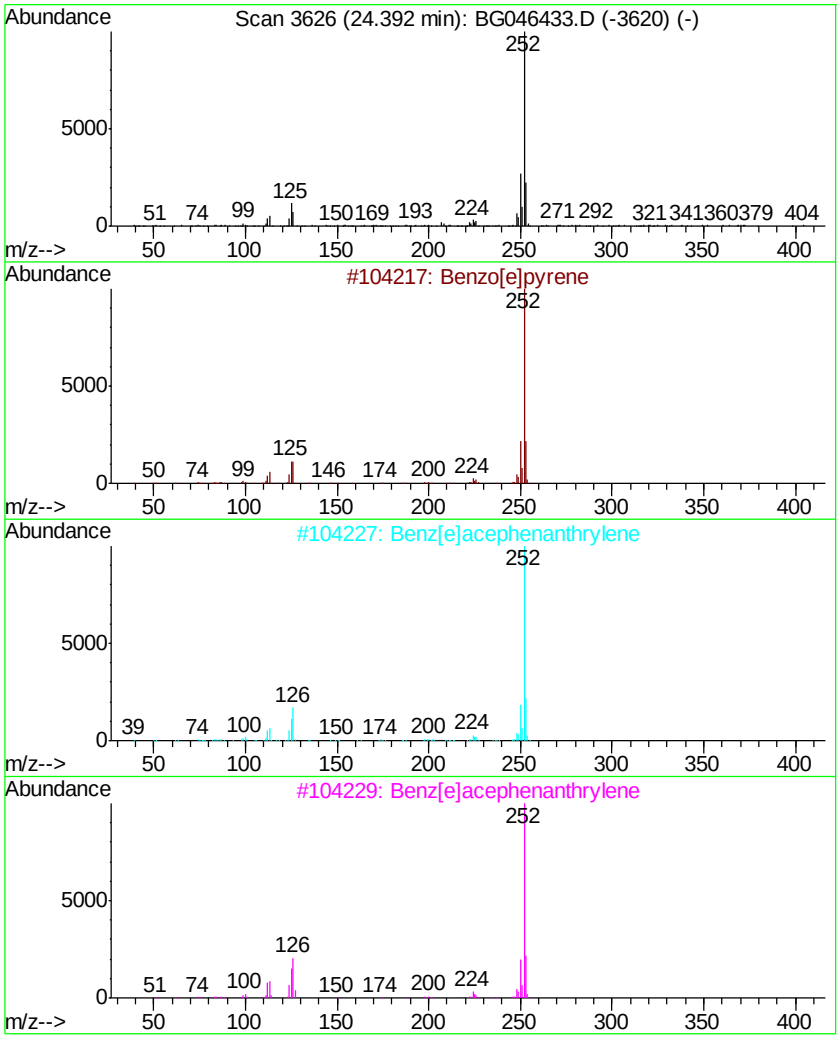
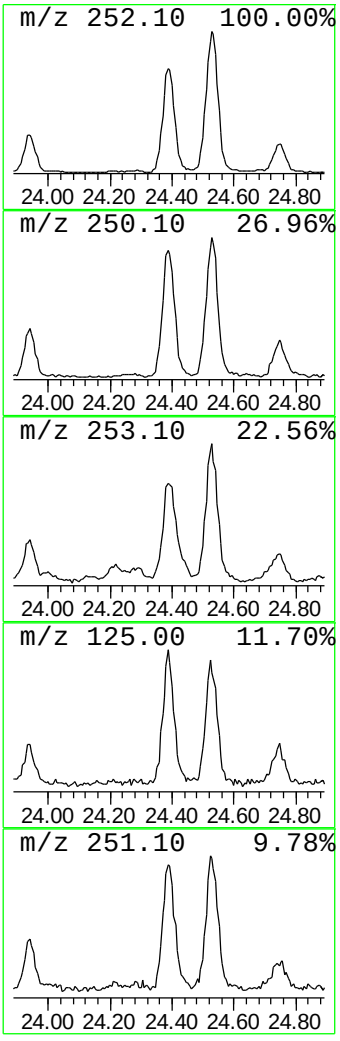
Peak Number 29 Benzo[e]pyrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	3.08 ng/ul	235957	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046433.D
Acq On : 22 Aug 2020 4:50
Operator : CG/JU
Sample : L3649-13
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMY0

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	100.0	ng/ul	2467900	1	7.94	493849	20.0
2-Furancarboxylic...	7.11	16.7	ng/ul	412113	1	7.94	493849	20.0
unknown-01	7.27	13.1	ng/ul	323730	1	7.94	493849	20.0
unknown-02	7.48	17.1	ng/ul	423541	1	7.94	493849	20.0
unknown-03	8.65	19.9	ng/ul	492260	1	7.94	493849	20.0
1H-Imidazole, 4-m...	9.09	16.9	ng/ul	416172	1	7.94	493849	20.0
unknown-04	9.82	9.2	ng/ul	350499	2	10.74	764482	20.0
unknown-05	10.87	11.5	ng/ul	438336	2	10.74	764482	20.0
unknown-06	13.98	16.0	ng/ul	879363	3	14.57	1097300	20.0
unknown-07	14.77	5.6	ng/ul	308514	3	14.57	1097300	20.0
unknown-08	15.68	4.5	ng/ul	246796	3	14.57	1097300	20.0
unknown-09	17.88	8.3	ng/ul	537411	4	17.31	1300570	20.0
Phenanthrene, 2-m...	18.19	8.2	ng/ul	529916	4	17.31	1300570	20.0
Anthracene, 9-met...	18.23	2.8	ng/ul	183231	4	17.31	1300570	20.0
Benzaldehyde, 3,5...	18.38	3.2	ng/ul	206783	4	17.31	1300570	20.0
3,4-Methylenedиox...	18.42	2.1	ng/ul	137156	4	17.31	1300570	20.0
Chlordene, .gamma.-	18.59	8.0	ng/ul	517052	4	17.31	1300570	20.0
.alpha.-Chlordene	18.62	4.5	ng/ul	295551	4	17.31	1300570	20.0
unknown-10	18.75	6.7	ng/ul	434422	4	17.31	1300570	20.0
unknown-11	19.07	8.3	ng/ul	541838	4	17.31	1300570	20.0
1H-Indene, 2-meth...	19.10	2.6	ng/ul	170036	4	17.31	1300570	20.0
Cyclopenta(def)ph...	19.24	3.9	ng/ul	254535	4	17.31	1300570	20.0
unknown-12	19.47	3.0	ng/ul	333936	5	21.56	2226900	20.0
cis-Chlordane	19.52	9.7	ng/ul	1076670	5	21.56	2226900	20.0
Dieldrin	20.03	4.4	ng/ul	488351	5	21.56	2226900	20.0
Allopregnane-3.al...	20.64	2.3	ng/ul	252396	5	21.56	2226900	20.0
Behenic alcohol	21.23	5.7	ng/ul	629610	5	21.56	2226900	20.0
9-Octadecenamide,...	22.99	3.5	ng/ul	393292	5	21.56	2226900	20.0
Benzo[e]pyrene	24.39	3.1	ng/ul	235957	6	24.67	1531320	20.0