LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046366.D
Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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	3.144	4	9	29	rVB	1360386	2273936	74.56%	5.387%
2	3.396	48	52	60	rVB	18836	32126	1.05%	0.076%
3	3.919	136	141	148	rBV	24542	39350	1.29%	0.093%
4	4.048	158	163	168	rBV2	12929	21092	0.69%	0.050%
5	5.047	328	333	341	rBV	10486	16180	0.53%	0.038%
6	7.104	676	683	698	rBV	327018	591458	19.39%	1.401%
7	7.268	704	711	722	rBV	252848	436493	14.31%	1.034%
8	7.474	736	746	755	rBV	348095	606045	19.87%	1.436%
9	7.938	818	825	833	rBV	343912	581378	19.06%	1.377%
10	8.643	938	945	960	rBV	425172	729301	23.91%	1.728%
11	9.090	1014	1021	1032	rBV	314585	561897	18.42%	1.331%
12	9.178	1032	1036	1042	rVB	12708	19873	0.65%	0.047%
13	9.812	1136	1144	1157	rBV	272787	492104	16.14%	1.166%
14	10.359	1227	1237	1254	rBV	452413	830892	27.24%	1.968%
15	10.735	1293	1301	1308	rBV	485261	867245	28.44%	2.054%
16	10.864	1315	1323	1340	rBV	284513	559833	18.36%	1.326%
17	12.392	1578	1583	1590	rBV2	9731	14915	0.49%	0.035%
18	13.890	1833	1838	1843	rVB3	10396	16715	0.55%	0.040%
19	13.972	1843	1852	1857	rBV	841897	1204938	39.51%	2.854%
20	14.013	1857	1859	1865	rVV	96377	130404	4.28%	0.309%
21	14.260	1890	1901	1916	rBV	939188	1585490	51.98%	3.756%
22	14.566	1946	1953	1960	rBV2	832050	1259672	41.30%	2.984%
23	14.630	1960	1964	1971	rVB3	22112	34239	1.12%	0.081%
24	14.759	1978	1986	2001	rBV	280439	513457	16.84%	1.216%
25	14.965	2017	2021	2027	rVB2	21423	38094	1.25%	0.090%
26	15.182	2053	2058	2063	rBV4	7503	13865	0.45%	0.033%
27	15.365	2080	2089	2091	rBV6	6918	12662	0.42%	0.030%
28	15.559	2115	2122	2128	rBV	1306474	1979976	64.92%	4.690%
29	15.611	2128	2131	2136	rVV3	33153	44538	1.46%	0.106%
30	15.676	2136	2142	2152	rVV	315662	473102	15.51%	1.121%
31	15.794	2156	2162	2166	rBV2	16692	29303	0.96%	0.069%
32	15.911	2177	2182	2191	rVB	17889	32660	1.07%	0.077%
33	16.052	2201	2206	2214	rVB2	17010	35877	1.18%	0.085%
34	16.287	2240	2246	2252	rBV6	15111	28688	0.94%	0.068%

LSC Area Percent Report

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Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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	16.593	2292	2298	2300	rBV6	6620	12679	0.42%	0.030%
36	16.622	2300	2303	2307	rVV6	10308	15254	0.50%	0.036%
37	16.851	2333	2342	2345	rBV5	16786	36322	1.19%	0.086%
38	16.886	2345	2348	2352	rVB2	13236	15922	0.52%	0.038%
39	16.963	2356	2361	2368	rVB2	40640	71325	2.34%	0.169%
40	17.045	2370	2375	2377	rBV2	17082	27549	0.90%	0.065%
41	17.127	2385	2389	2399	rVB	25254	44953	1.47%	0.106%
42	17.309	2413	2420	2424	rBV	1022129	1603829	52.59%	3.799%
43	17.351	2424	2427	2431	rVV	497718	684570	22.45%	1.622%
44	17.409	2431	2437	2448	rVB	1361121	2173862	71.28%	5.150%
45	17.497	2448	2452	2459	rVB3	21683	31349	1.03%	0.074%
46	17.621	2470	2473	2479	rVB4	12840	18042	0.59%	0.043%
47	17.709	2479	2488	2492	rBV2	47404	95869	3.14%	0.227%
48	17.750	2492	2495	2499	rVB5	9654	14126	0.46%	0.033%
49	17.826	2504	2508	2511	rVV4	19585	31069	1.02%	0.074%
50	17.891	2515	2519	2523	rBV3	20968	29221	0.96%	0.069%
51	17.985	2529	2535	2538	rBV8	10381	22263	0.73%	0.053%
52	18.103	2551	2555	2559	rBV4	13342	18839	0.62%	0.045%
53	18.185	2559	2569	2571	rBV	109594	178580	5.86%	0.423%
54	18.232	2574	2577	2582	rVV	158356	239635	7.86%	0.568%
55	18.314	2586	2591	2595	rVV	41073	68466	2.24%	0.162%
56	18.379	2596	2602	2606	rVV3	117529	247215	8.11%	0.586%
57	18.414	2606	2608	2614	rVB	79852	99503	3.26%	0.236%
58	18.526	2625	2627	2632	rVB6	17314	25882	0.85%	0.061%
59	18.620	2640	2643	2648	rBV7	11823	19745	0.65%	0.047%
60	18.678	2649	2653	2656	rBV	84469	116703	3.83%	0.276%
61	18.720	2656	2660	2664	rVB	99149	139528	4.57%	0.331%
62	18.931	2692	2696	2701	rBV2	29233	43570	1.43%	0.103%
63	18.978	2701	2704	2707	rVV2	31524	41235	1.35%	0.098%
64	19.019	2707	2711	2715	rVB4	34630	48271	1.58%	0.114%
65	19.101	2720	2725	2729	rBV	87303	141418	4.64%	0.335%
66	19.190	2738	2740	2744	rVB	29219	29403	0.96%	0.070%
67	19.237	2744	2748	2757	rVB	99123	161567	5.30%	0.383%
68	19.360	2763	2769	2775	rVB	1053042	1457426	47.79%	3.452%
69	19.425	2778	2780	2782	rVV	17374	12898	0.42%	0.031%
70	19.460	2783	2786	2790	rVB2	33991	44815	1.47%	0.106%
71	19.507	2791	2794	2798	rBV	40299	44377	1.46%	0.105%

LSC Area Percent Report

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Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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	19.554	2799	2802	2804	rBV2	30750	35528	1.16%	0.084%
73	19.695	2819	2826	2829	rBV	1850423	3049904	100.00%	7.225%
74	19.718	2829	2830	2838	rVV	942806	1037744	34.03%	2.458%
75	19.795	2839	2843	2849	rVB2	54793	103882	3.41%	0.246%
76	19.901	2857	2861	2865	rVB	54682	76295	2.50%	0.181%
77	19.953	2867	2870	2877	rVB	57587	91855	3.01%	0.218%
78	20.030	2878	2883	2892	rBV3	152081	400308	13.13%	0.948%
79	20.183	2904	2909	2910	rBV2	62816	96726	3.17%	0.229%
80	20.212	2911	2914	2918	rVB	134826	172169	5.65%	0.408%
81	20.312	2927	2931	2935	rBV3	72432	104081	3.41%	0.247%
82	20.371	2935	2941	2945	rVV2	140169	249062	8.17%	0.590%
83	20.512	2961	2965	2969	rBV	82847	98053	3.21%	0.232%
84	20.559	2969	2973	2976	rVV3	70783	97564	3.20%	0.231%
85	20.964	3038	3042	3048	rVB	145378	215106	7.05%	0.510%
86	21.146	3067	3073	3076	rBV2	72560	147622	4.84%	0.350%
87	21.187	3077	3080	3082	rVV2	96860	119791	3.93%	0.284%
88	21.222	3082	3086	3093	rVV5	341644	634768	20.81%	1.504%
89	21.293	3094	3098	3105	rVB2	107614	193348	6.34%	0.458%
90	21.552	3135	3142	3147	rBV2	1236940	2679919	87.87%	6.348%
91	21.599	3147	3150	3159	rVB	524575	839581	27.53%	1.989%
92	21.769	3172	3179	3182	rBV3	115969	292904	9.60%	0.694%
93	23.684	3497	3505	3512	rBV	408006	1340765	43.96%	3.176%
94	23.802	3521	3525	3529	rBV	103574	168163	5.51%	0.398%
95	23.855	3530	3534	3541	rVB2	125883	228362	7.49%	0.541%
96	24.378	3617	3623	3628	rBV	204357	475183	15.58%	1.126%
97	24.454	3629	3636	3642	rVV	882153	2220172	72.79%	5.259%
98	24.519	3643	3647	3660	rVB	356429	842621	27.63%	1.996%
99	24.666	3664	3672	3679	rBV2	609210	1568528	51.43%	3.716%
100	25.805	3860	3866	3877	rVB2	154290	419713	13.76%	0.994%

Sum of corrected areas: 42214795

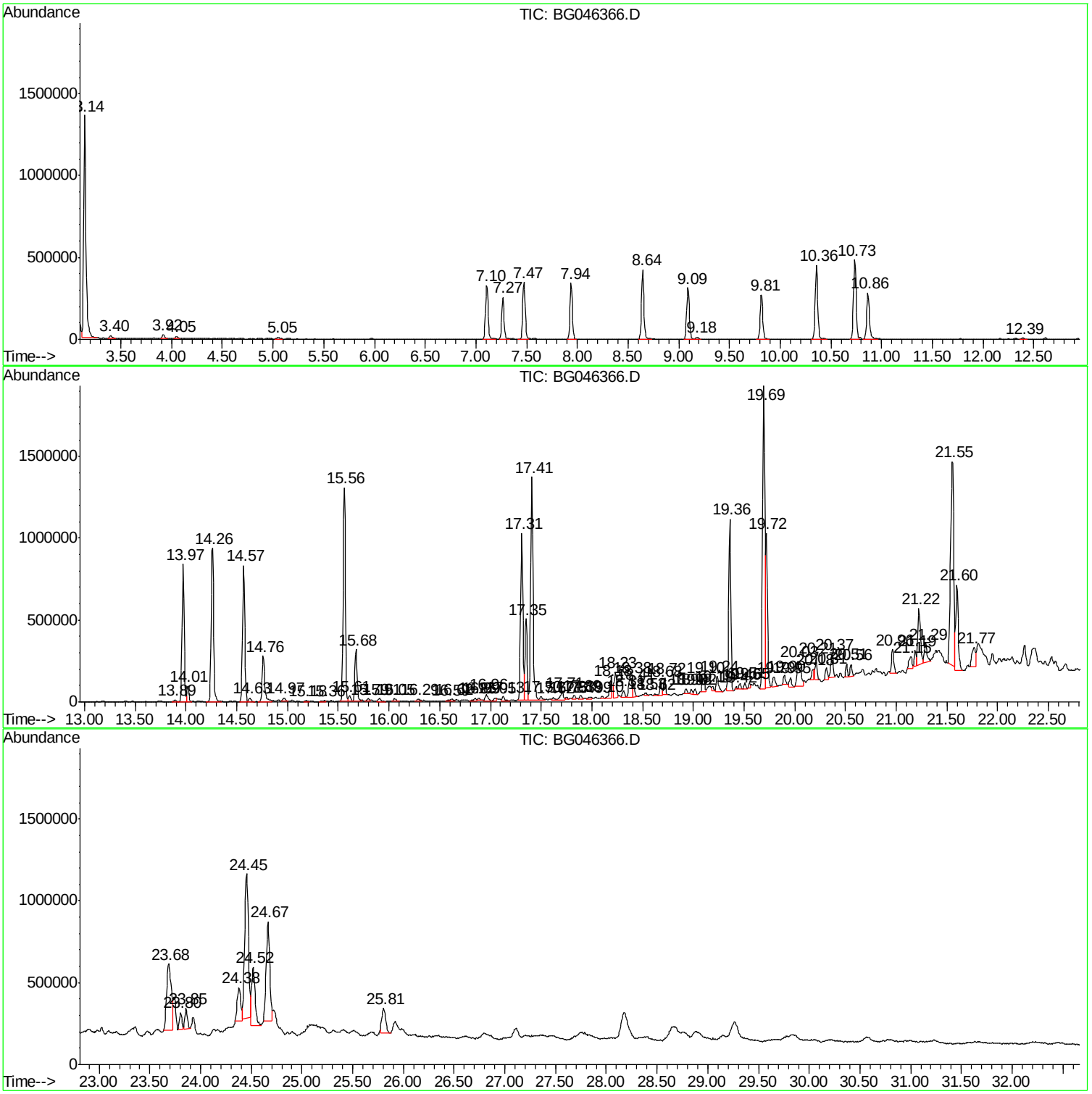
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046366.D
Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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 : BG046366.D
Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

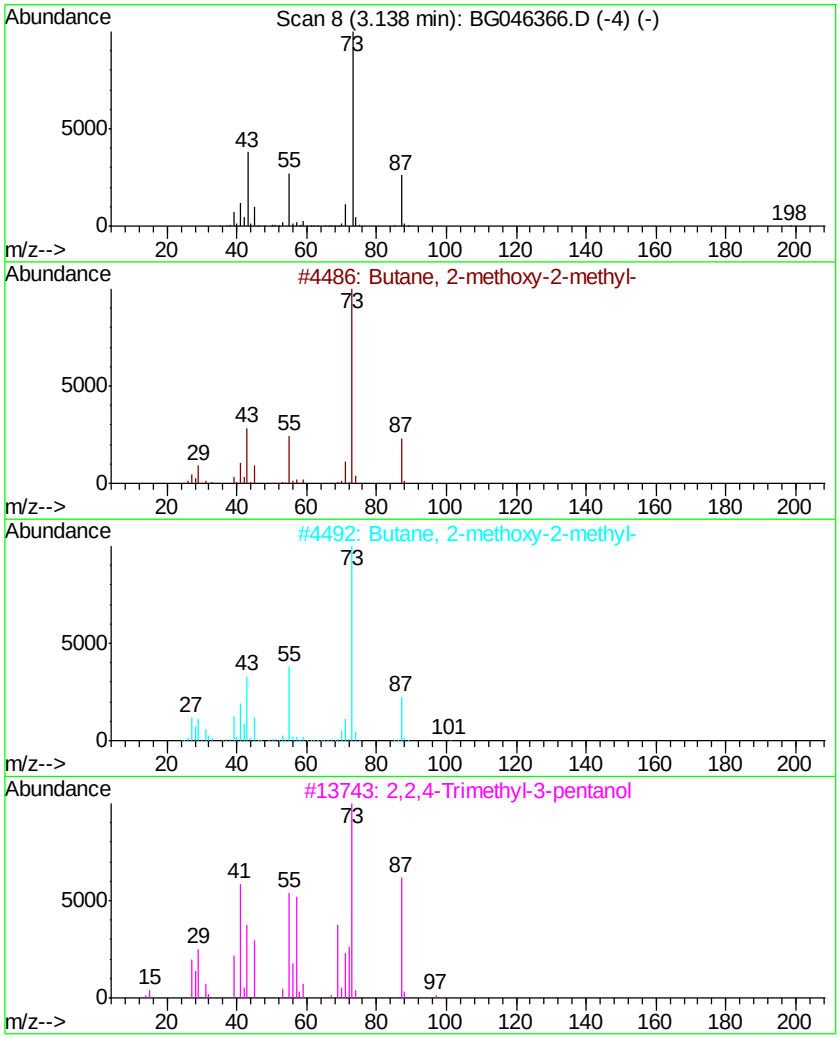
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

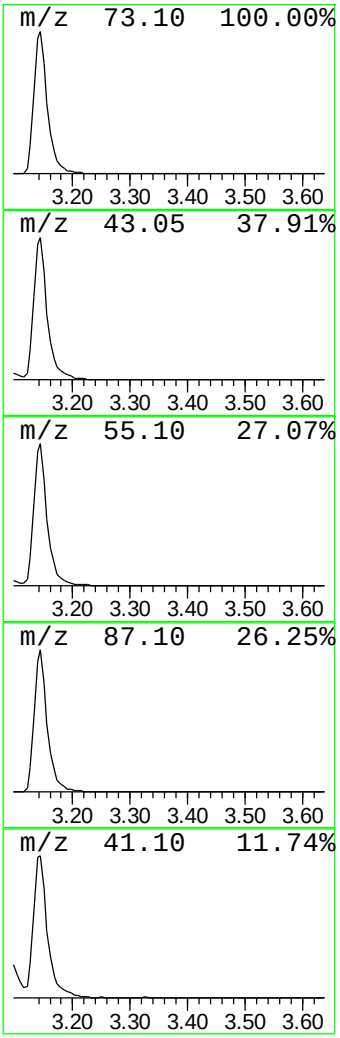
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	78.23 ng/ul	2273940	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	59
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046366.D
Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

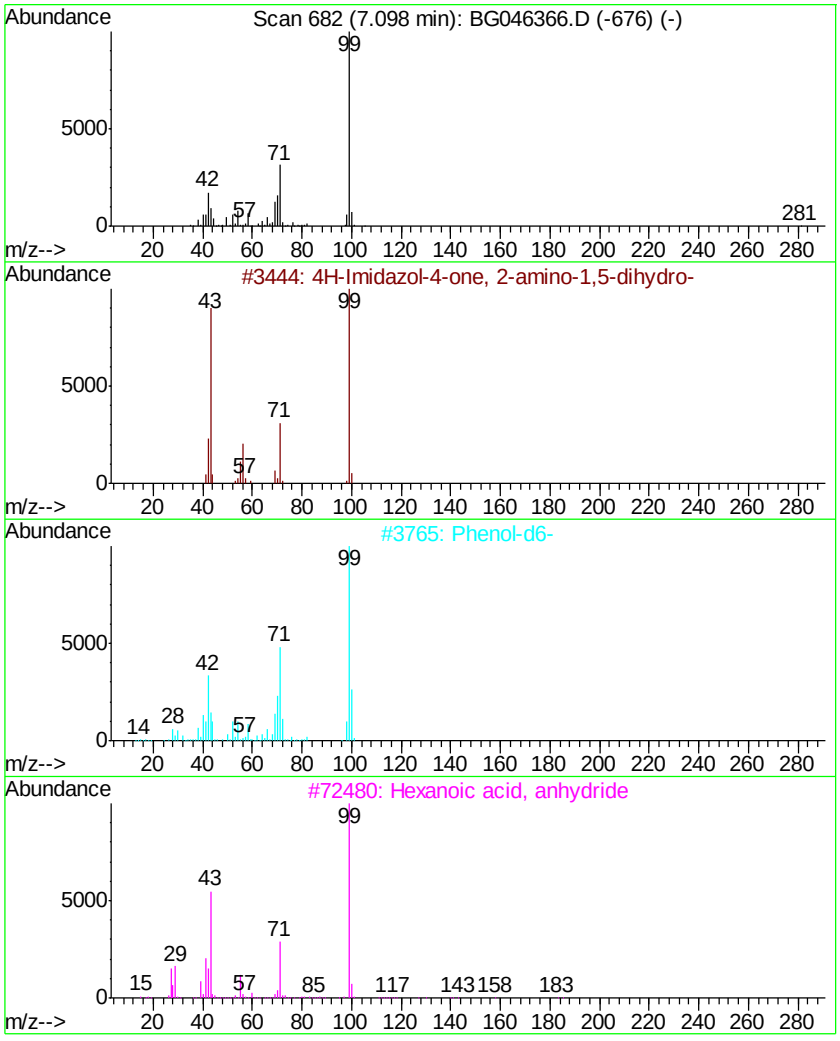
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

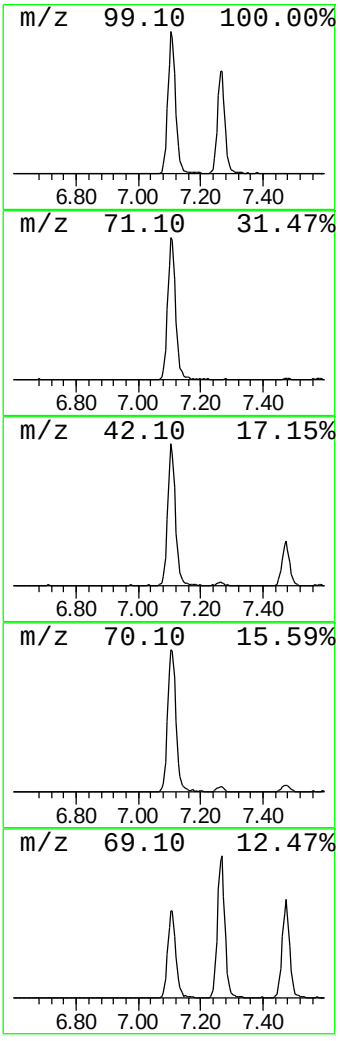
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	20.35 ng/ul	591458	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	72
2	Phenol-d6-	100	C6D6O	013127-88-3	64
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	45
5	Succinimide	99	C4H5NO2	000123-56-8	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

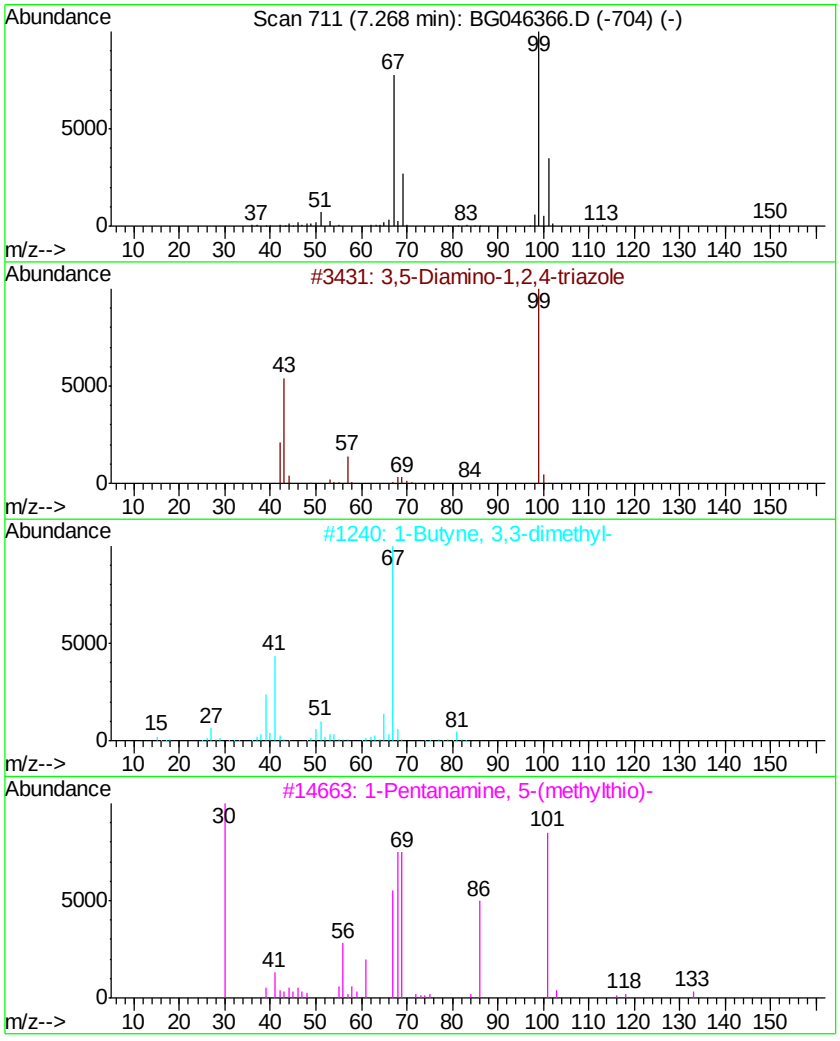
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

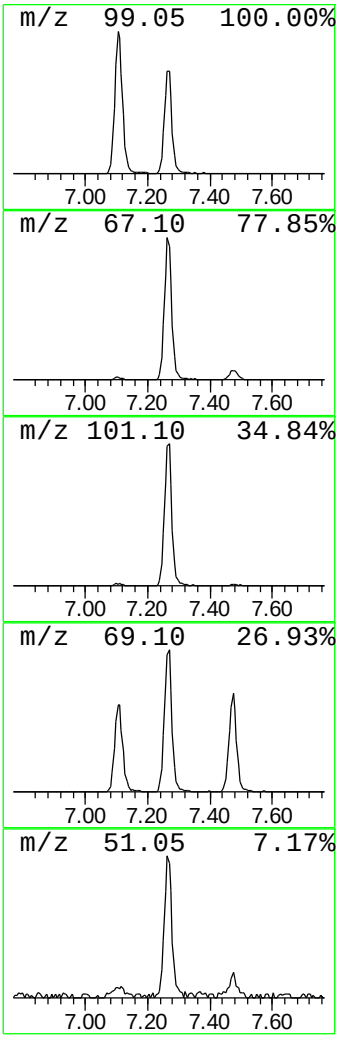
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	15.02 ng/ul	436493	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
2	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	Acetamide, N-2-thienyl-	141	C6H7NOS	013053-81-1	9
5	Methyl 2-butynoate	98	C5H6O2	023326-27-4	5





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Operator : CG/JU
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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

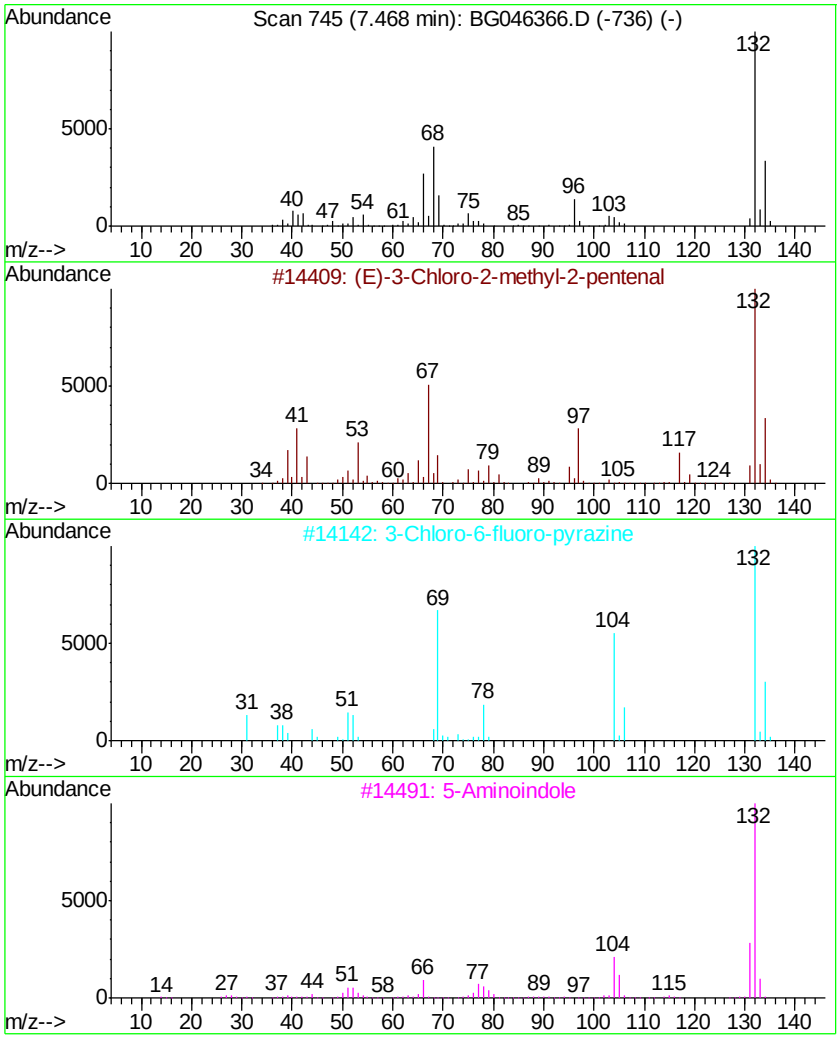
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

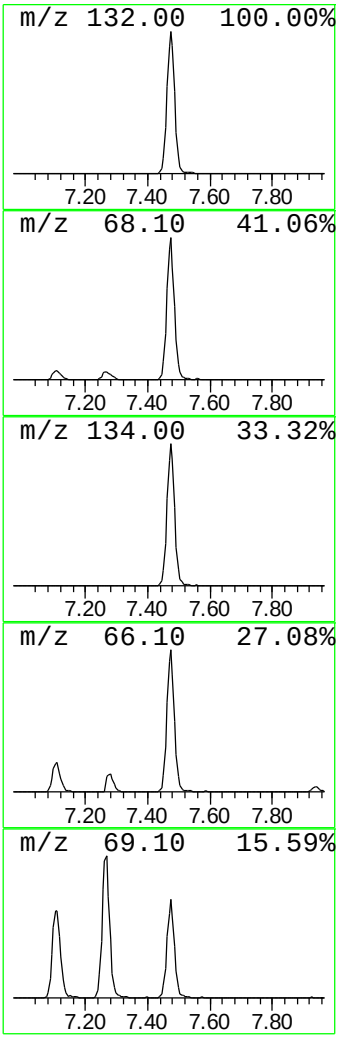
****

Peak Number 4 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	20.85 ng/ul	606045	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	30
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046366.D
Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

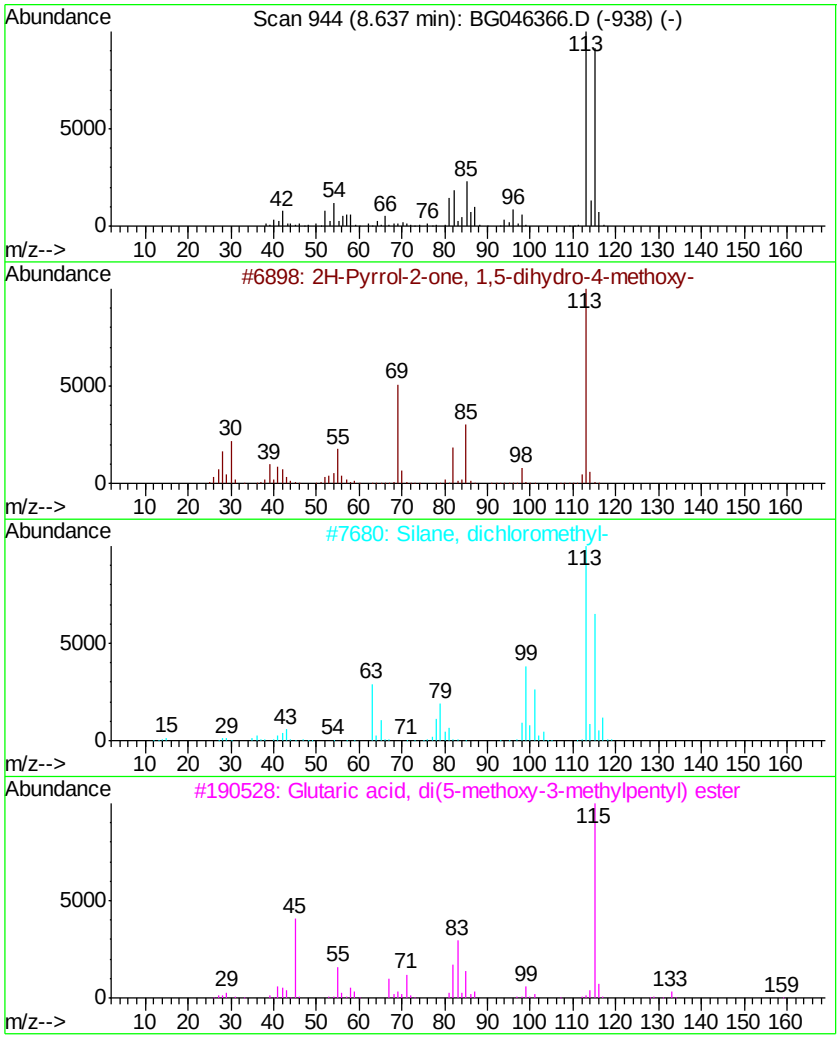
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

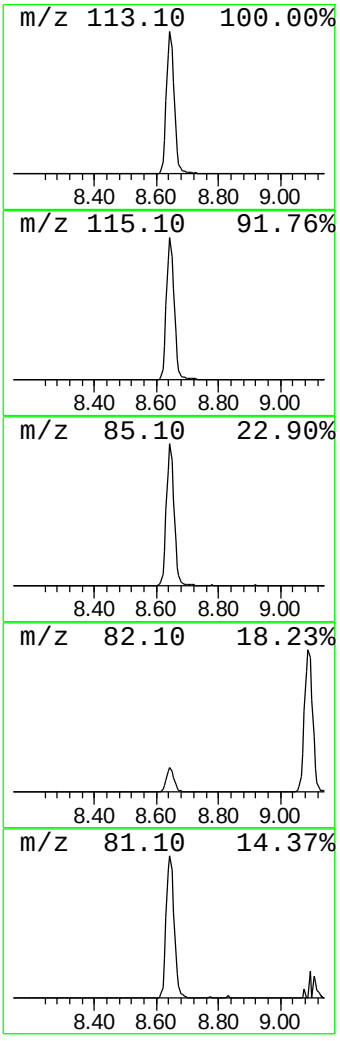
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	25.09 ng/ul	729301	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	38
2	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
3	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
4	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	35
5	5-Oxohexanethioic acid, S-t-buty...	202	C10H18O2S	1000194-60-8	32





Library Search Compound Report

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Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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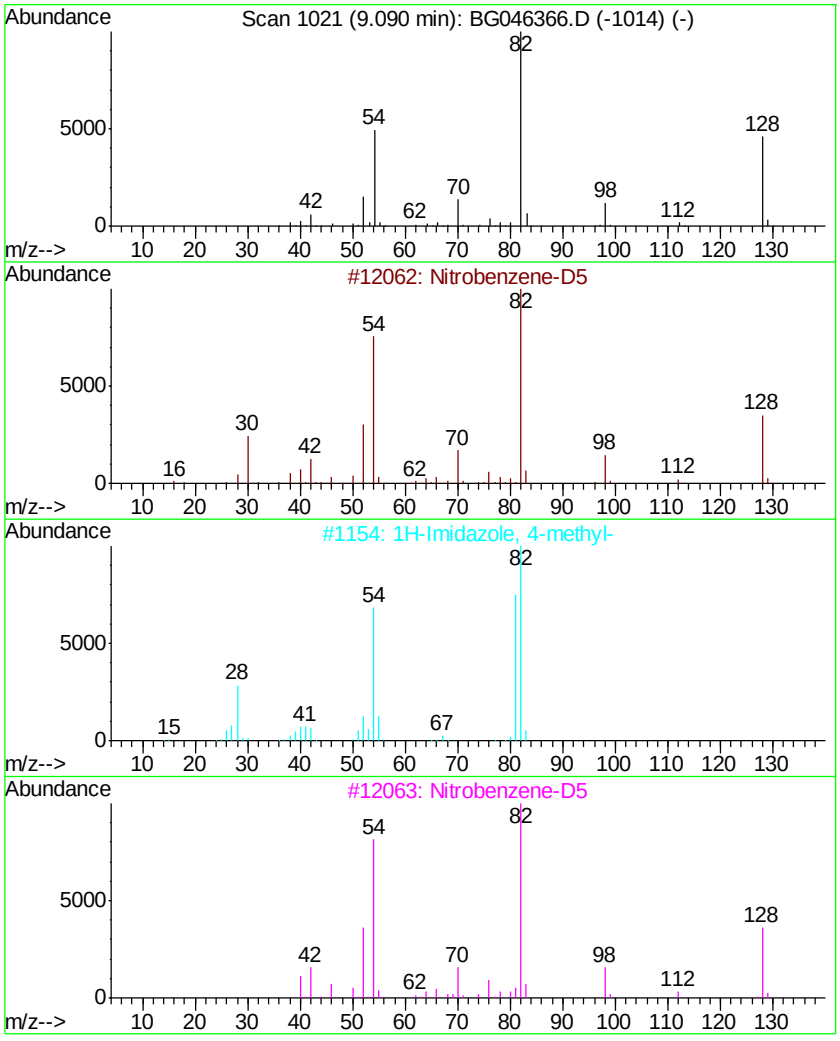
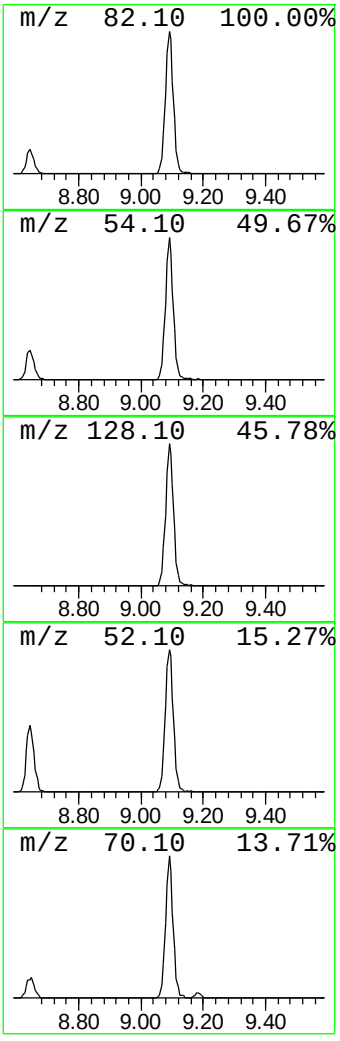
Peak Number 6 unknown-04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	19.33 ng/ul	561897	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	50
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	47
3	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	16
4	Maleic anhydride	98	C4H2O3	000108-31-6	7
5	2,4,5-Trihydroxypyrimidine	128	C4H4N2O3	000496-76-4	7





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Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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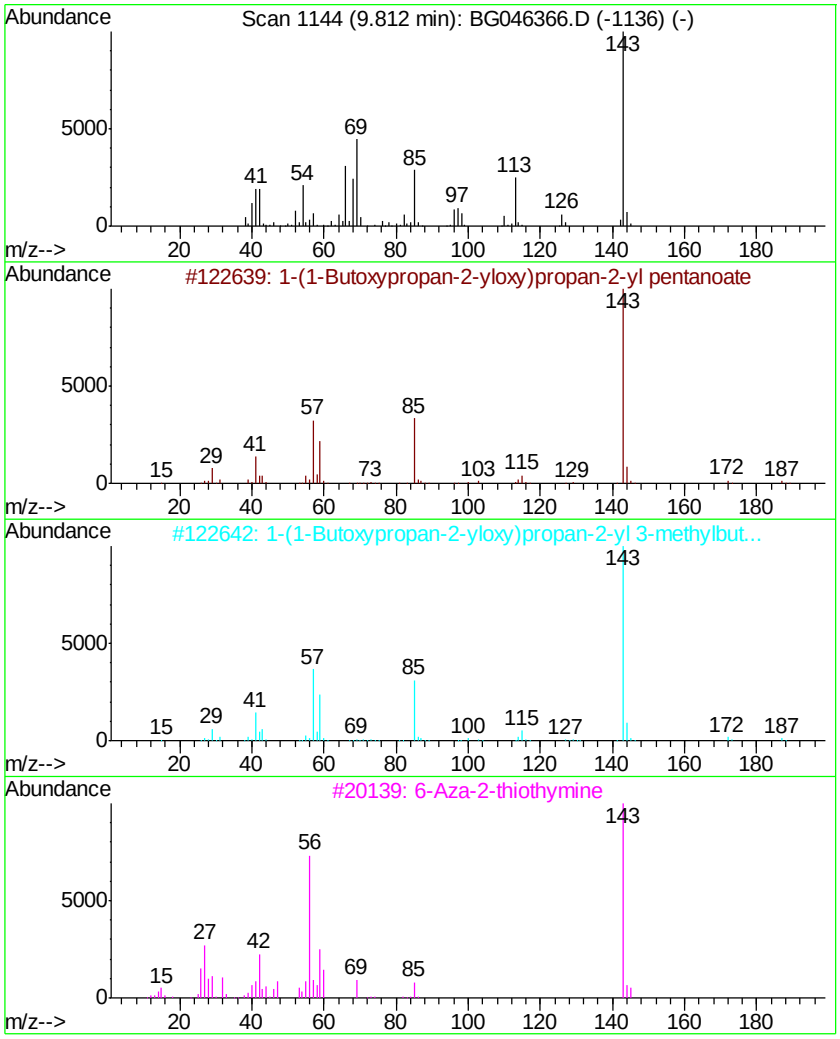
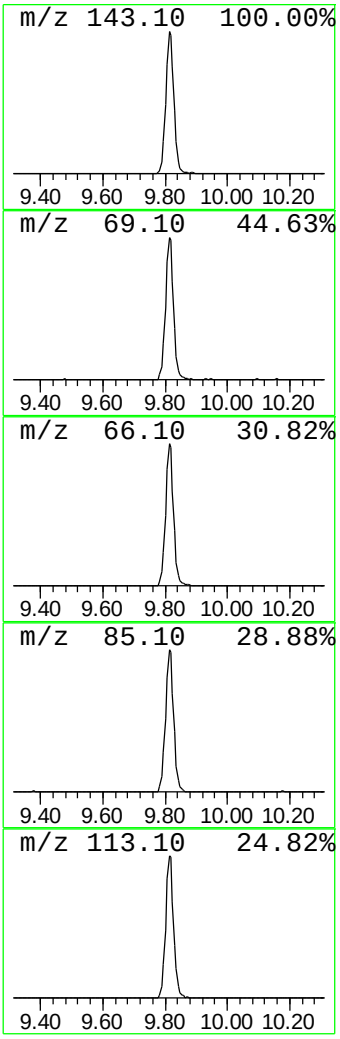
Peak Number 7 unknown-05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	11.35 ng/ul	492104	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	22
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	16
3	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12
4	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	12
5	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	12





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Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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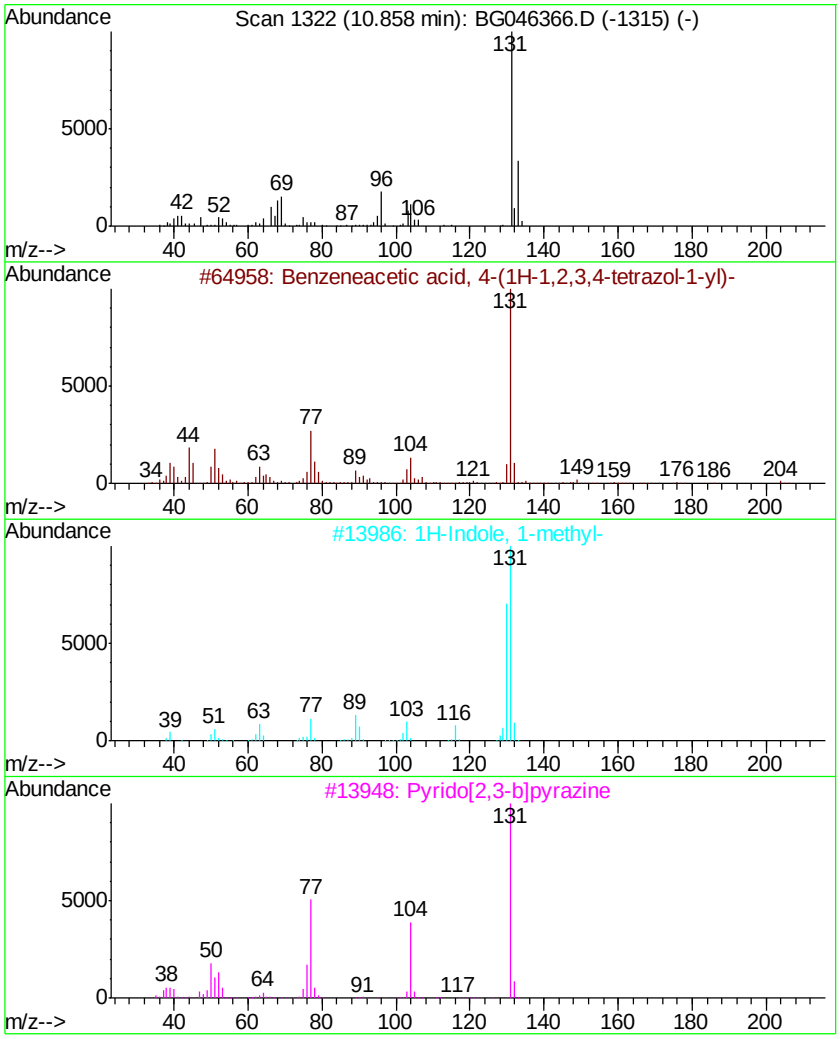
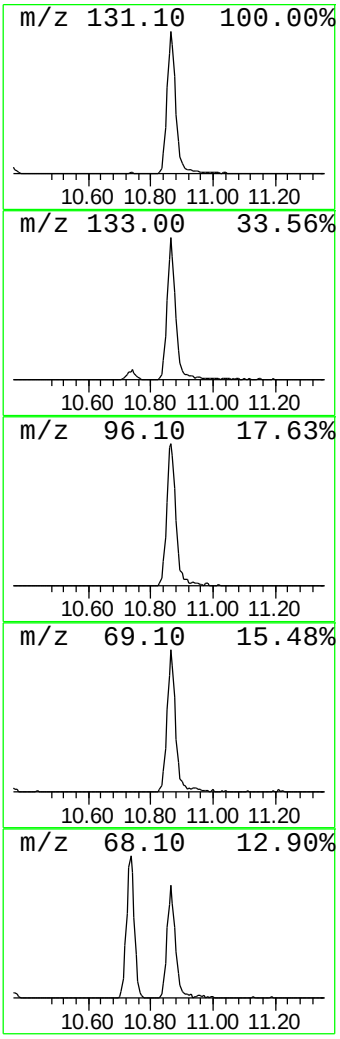
Peak Number 8 unknown-06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	12.91 ng/ul	559833	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
3	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
4	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	9





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Operator : CG/JU
Sample : L3633-05
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Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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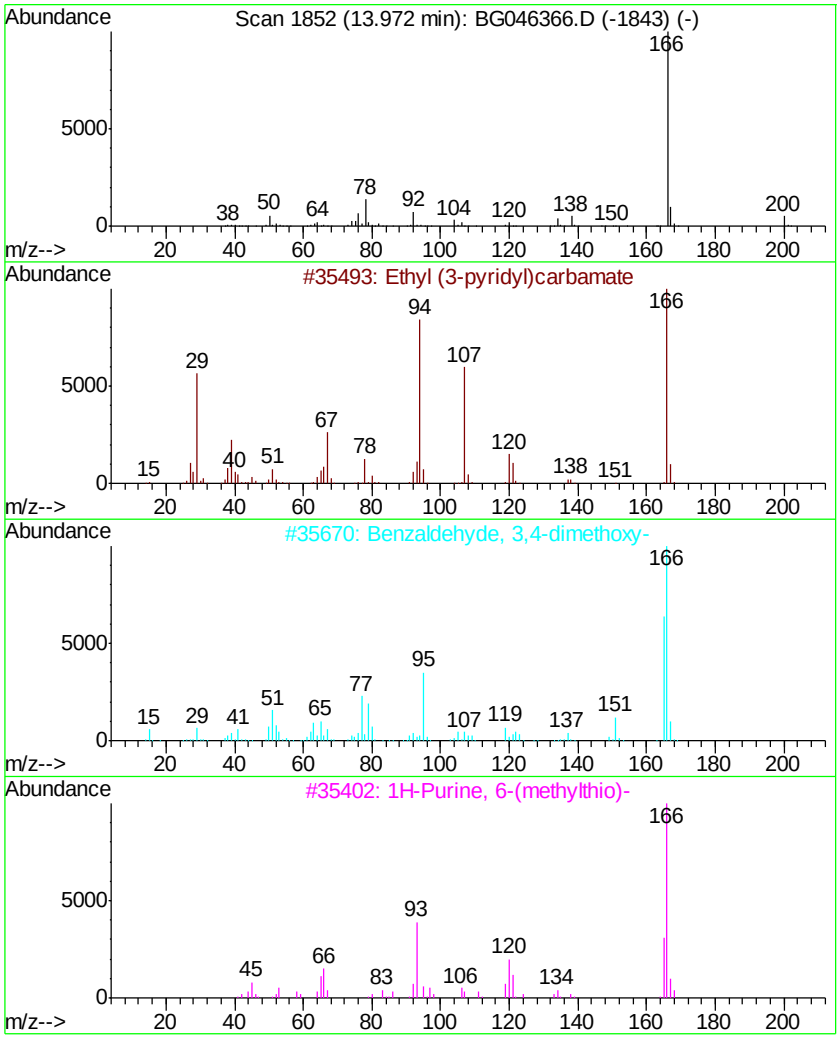
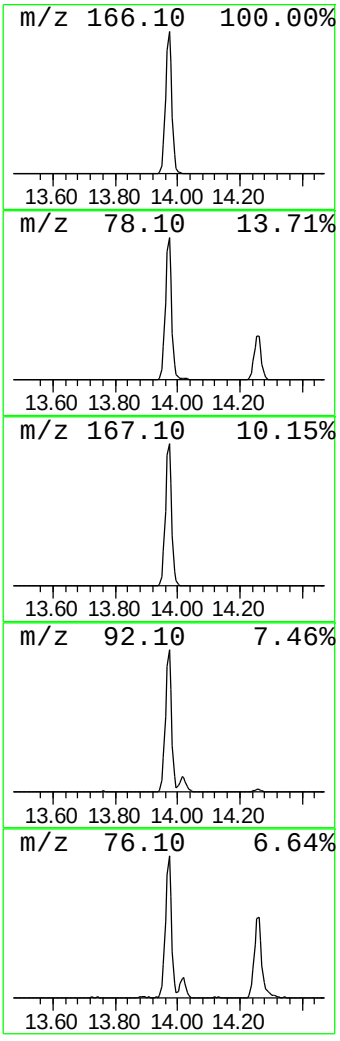
Peak Number 9 unknown-07 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	19.13 ng/ul	1204940	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
2	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	38
3	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
4	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
5	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36





Library Search Compound Report

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Operator : CG/JU
Sample : L3633-05
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Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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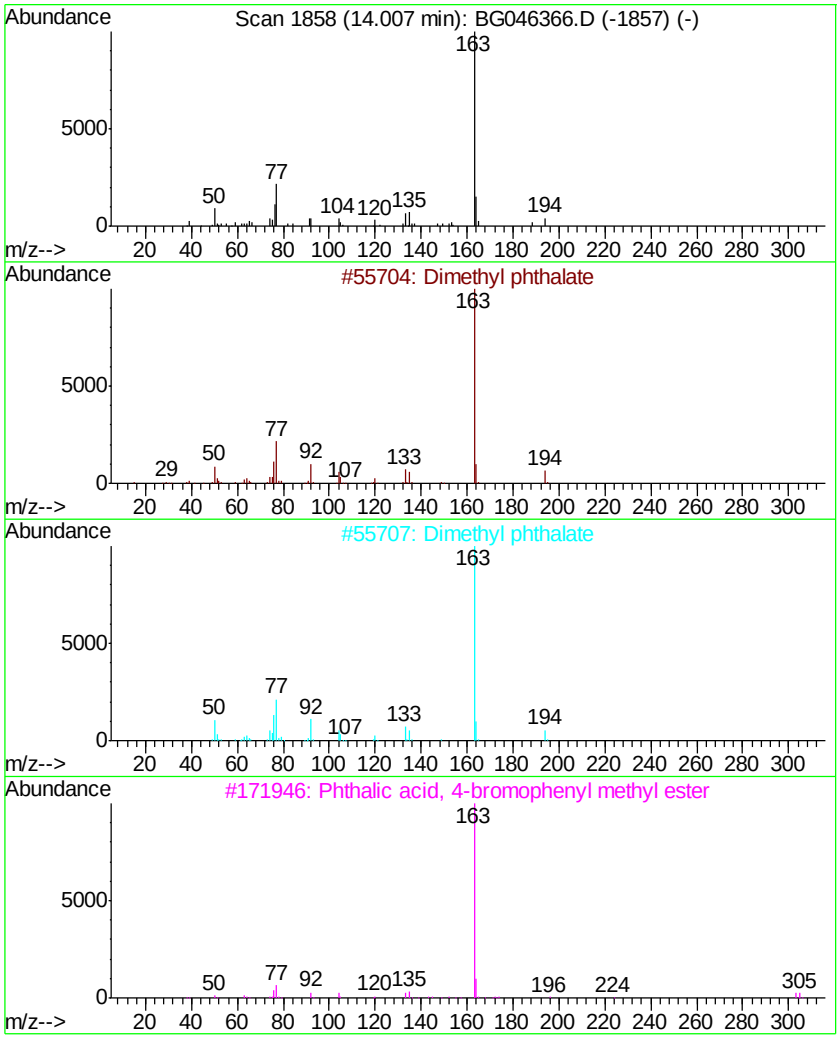
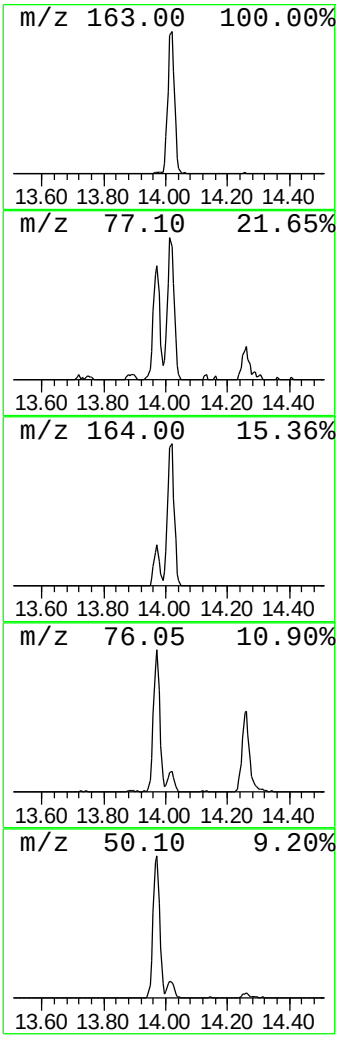
Peak Number 10 Dimethyl phthalate Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.07 ng/ul	130404	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	92
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
3	Phthalic acid, 4-bromophenyl met...	334	C15H11BrO4	1000315-66-6	83
4	Phthalic acid, 2-bromo-4-fluorop...	352	C15H10BrFO4	1000315-62-3	83
5	Methyl 4-methylpentyl phthalate	264	C15H20O4	1000373-82-6	78





Library Search Compound Report

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Operator : CG/JU
Sample : L3633-05
Misc :
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Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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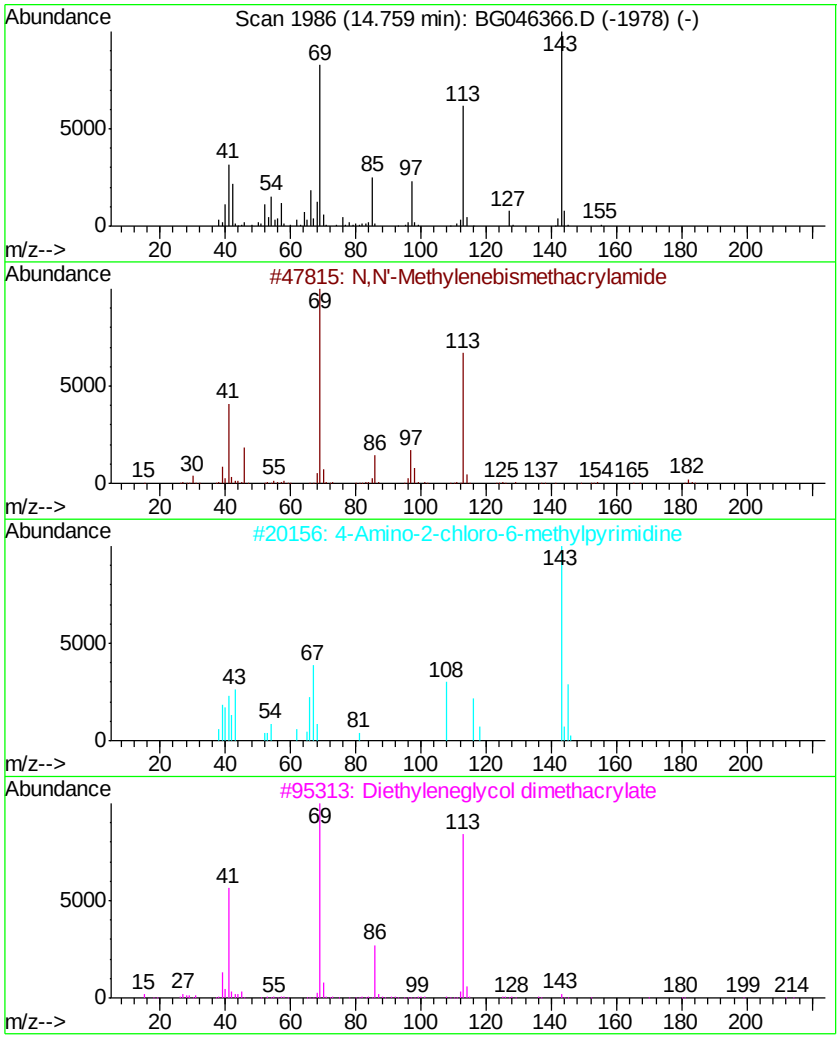
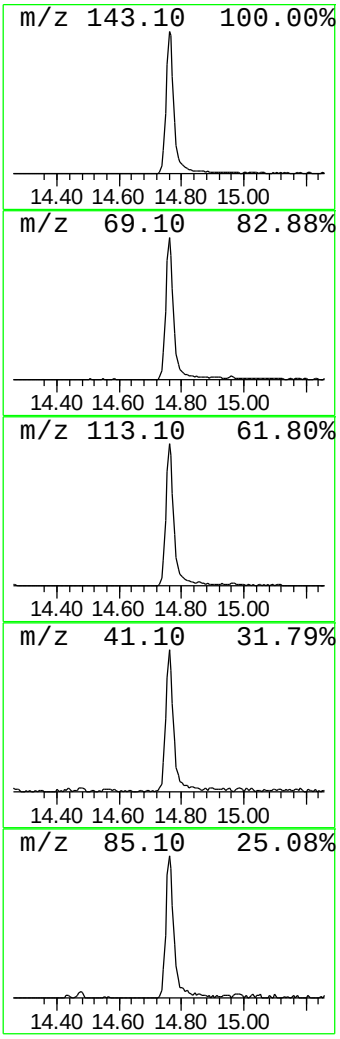
Peak Number 11 unknown-08 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	8.15 ng/ul	513457	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	35
2	4-Amino-2-chloro-6-methylpyrimidine	143	C5H6ClN3	014394-60-6	27
3	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
4	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	22
5	Glutaric acid, ethyl 2-methylpen...	244	C13H24O4	1000359-50-8	16





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Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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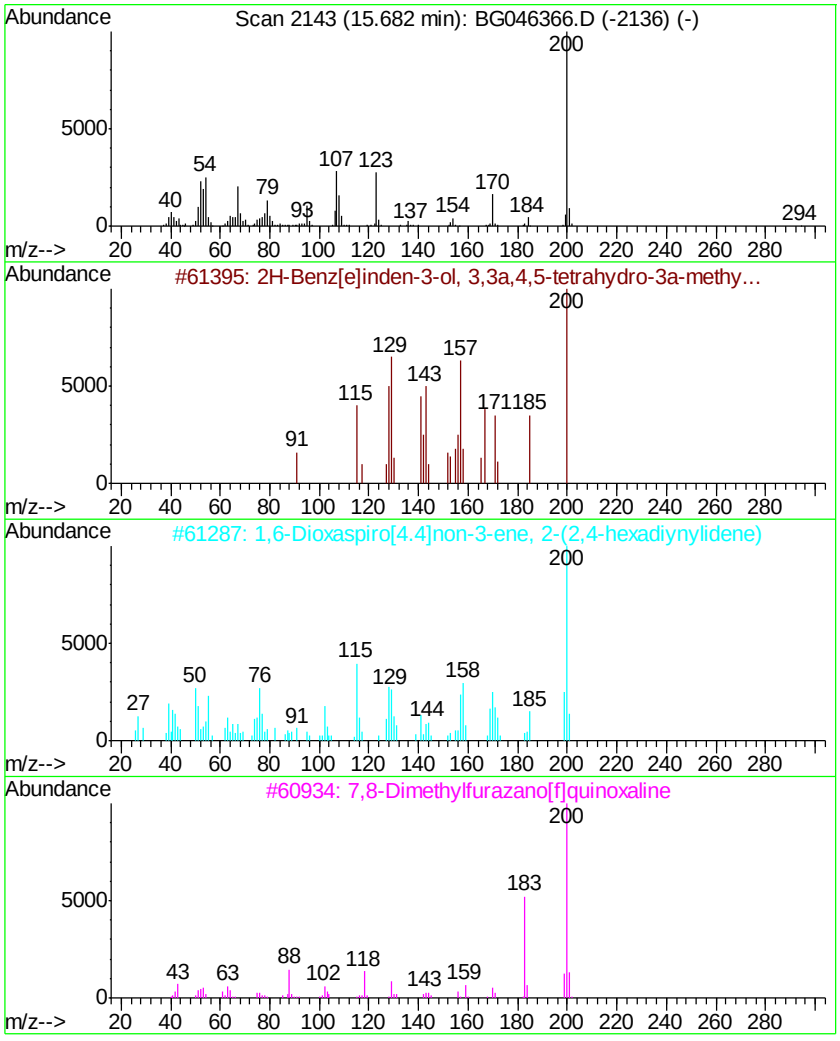
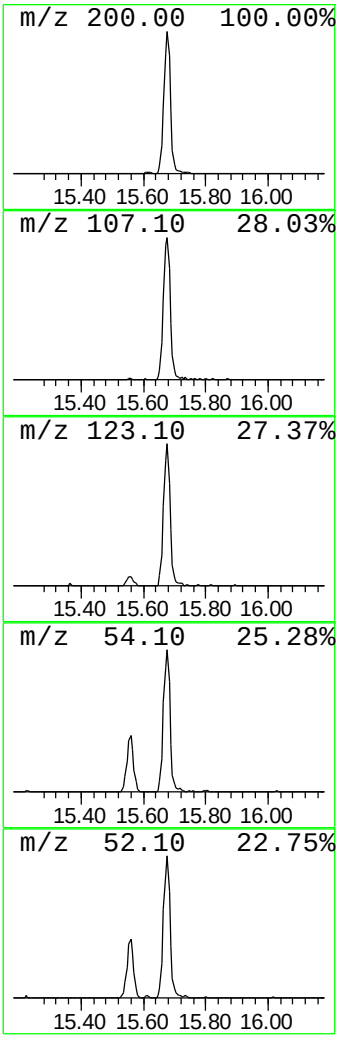
Peak Number 12 unknown-09 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	7.51 ng/ul	473102	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	1,6-Dioxaspiro[4.4]non-3-ene, 2-...	200	C13H12O2	016863-61-9	27
3	7,8-Dimethylfurazano[f]quinoxaline	200	C10H8N4O	1000110-74-6	27
4	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	22
5	2-Aminocaprylic acid, N-propoxyc...	441	C26H51NO4	1000325-43-0	22





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Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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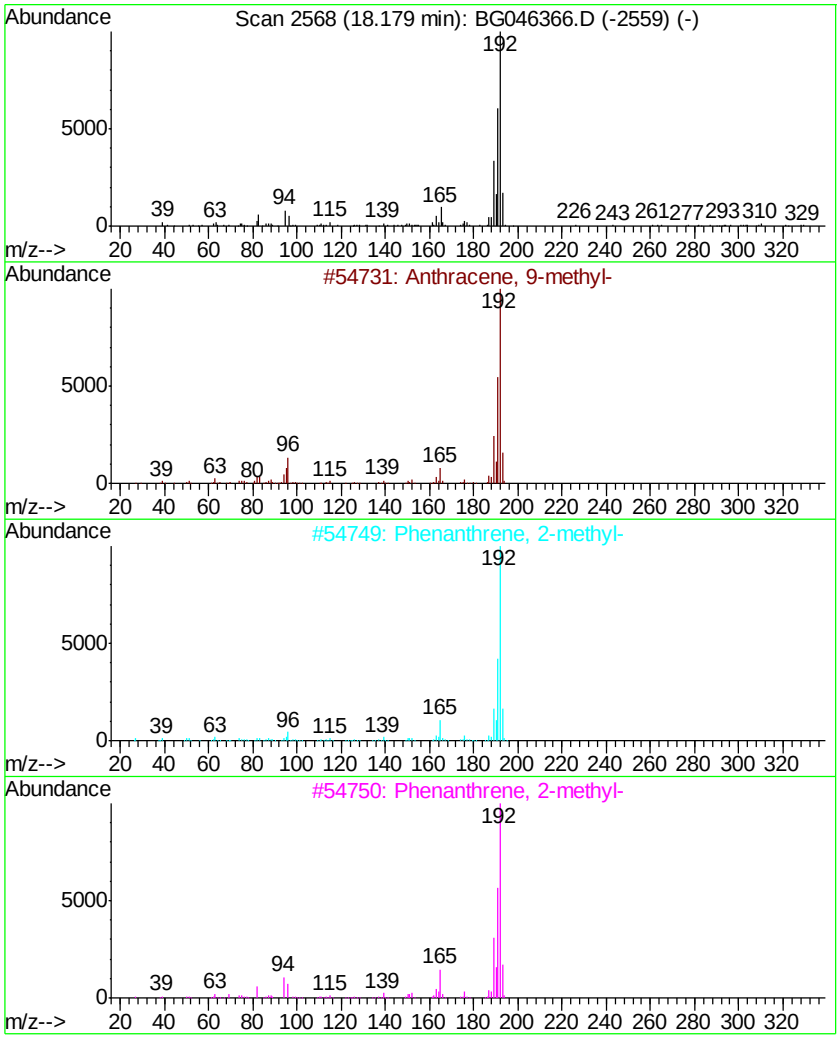
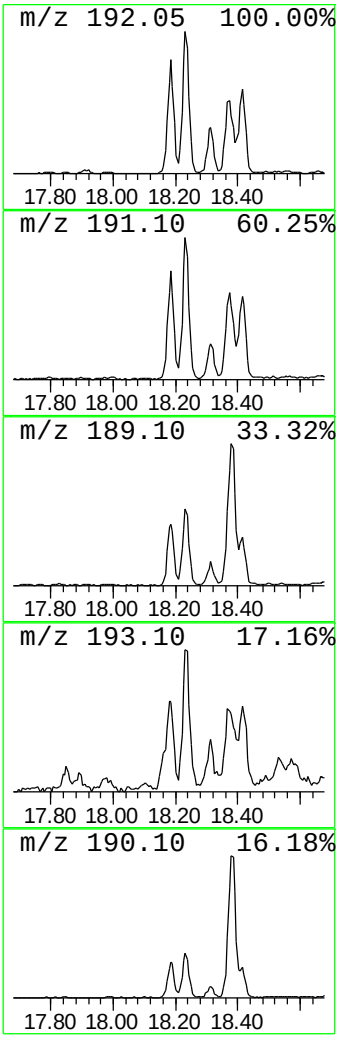
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.23 ng/ul	178580	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





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Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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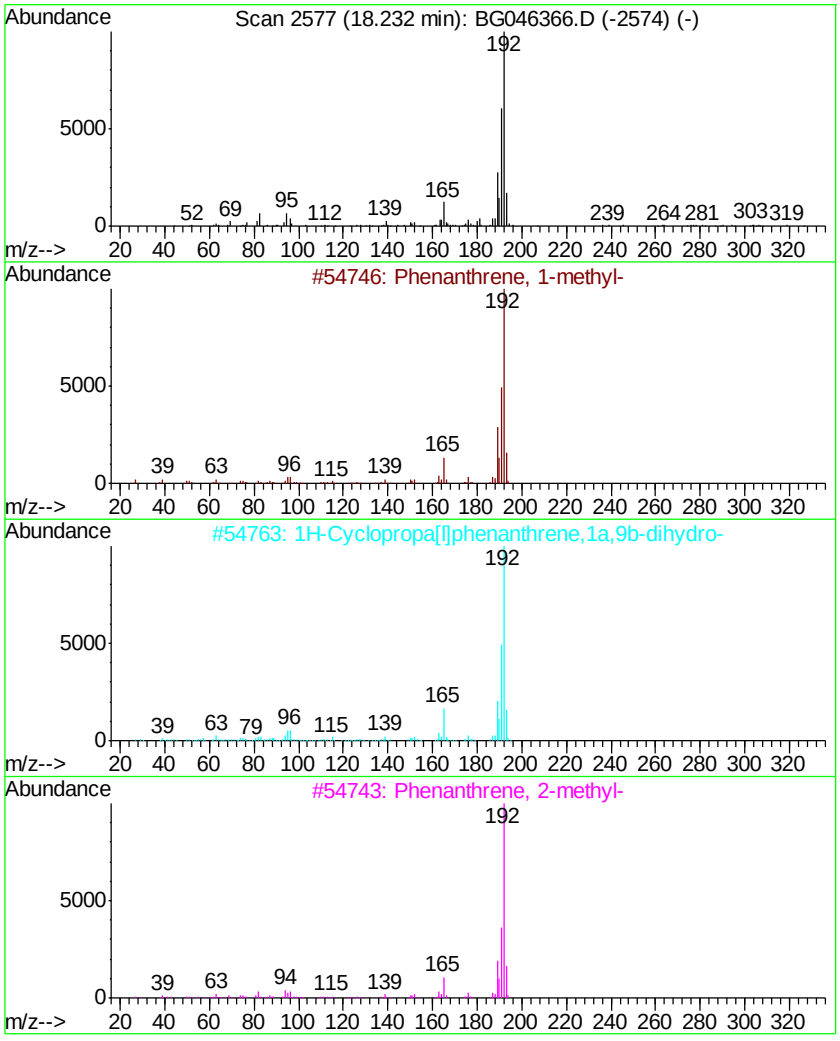
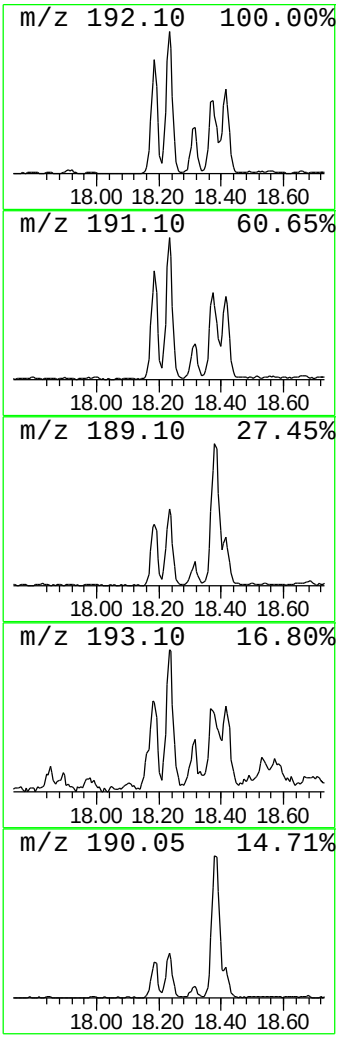
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.99 ng/ul	239635	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Instrument : BNA_G
ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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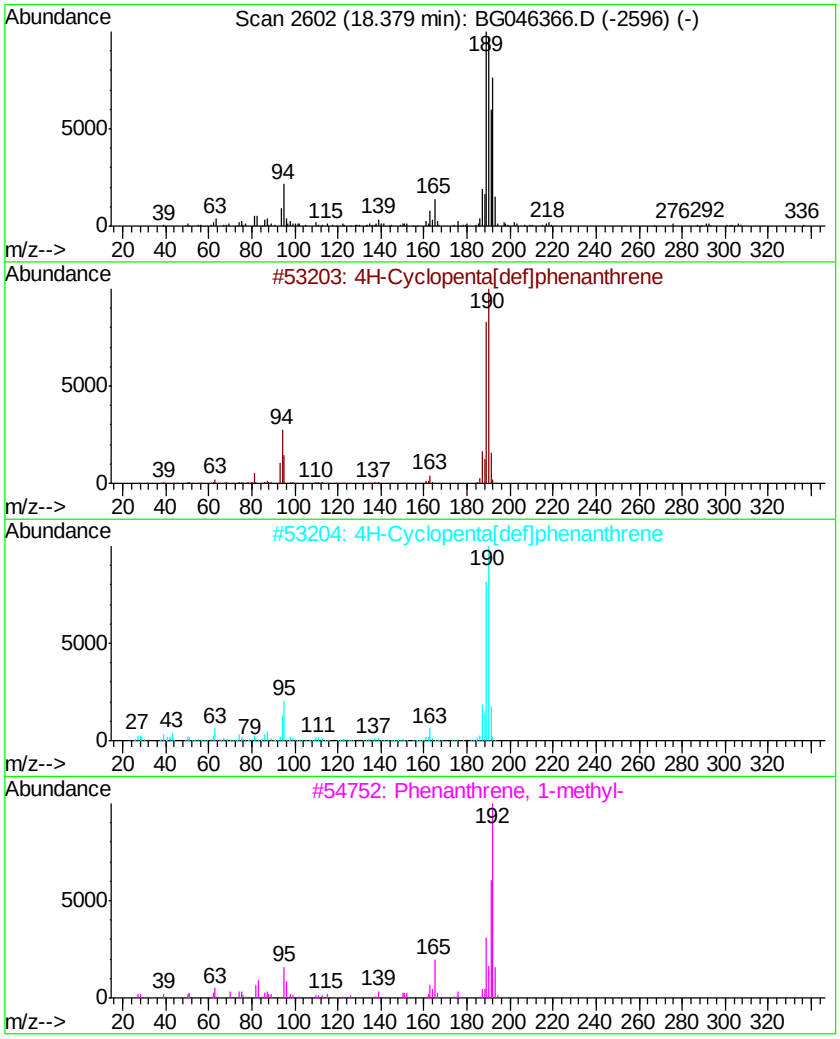
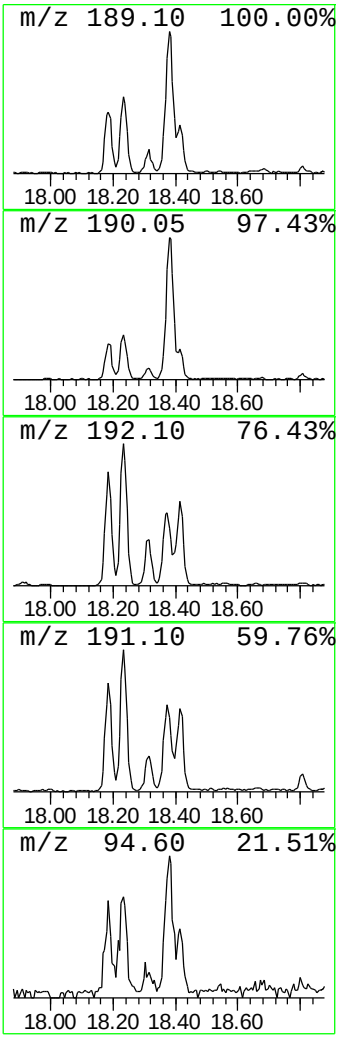
Peak Number 15 unknown-10 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.08 ng/ul	247215	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

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

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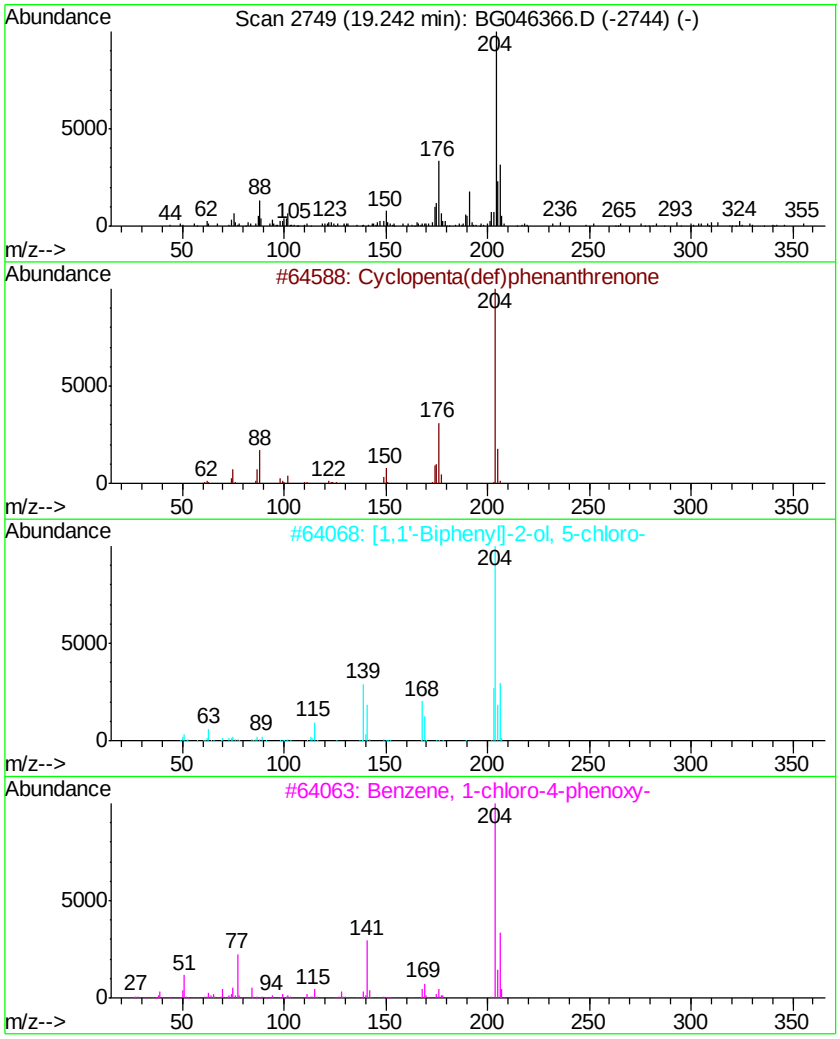
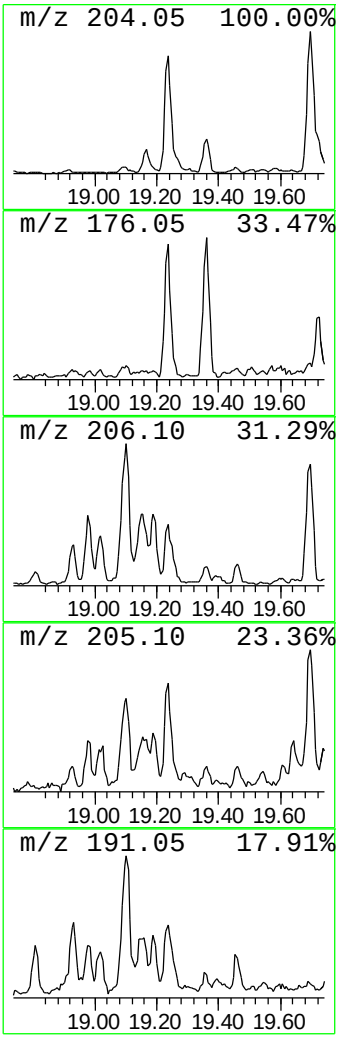
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.01 ng/ul	161567	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
3	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	40





Library Search Compound Report

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Data File : BG046366.D
Acq On : 20 Aug 2020 5:29
Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

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

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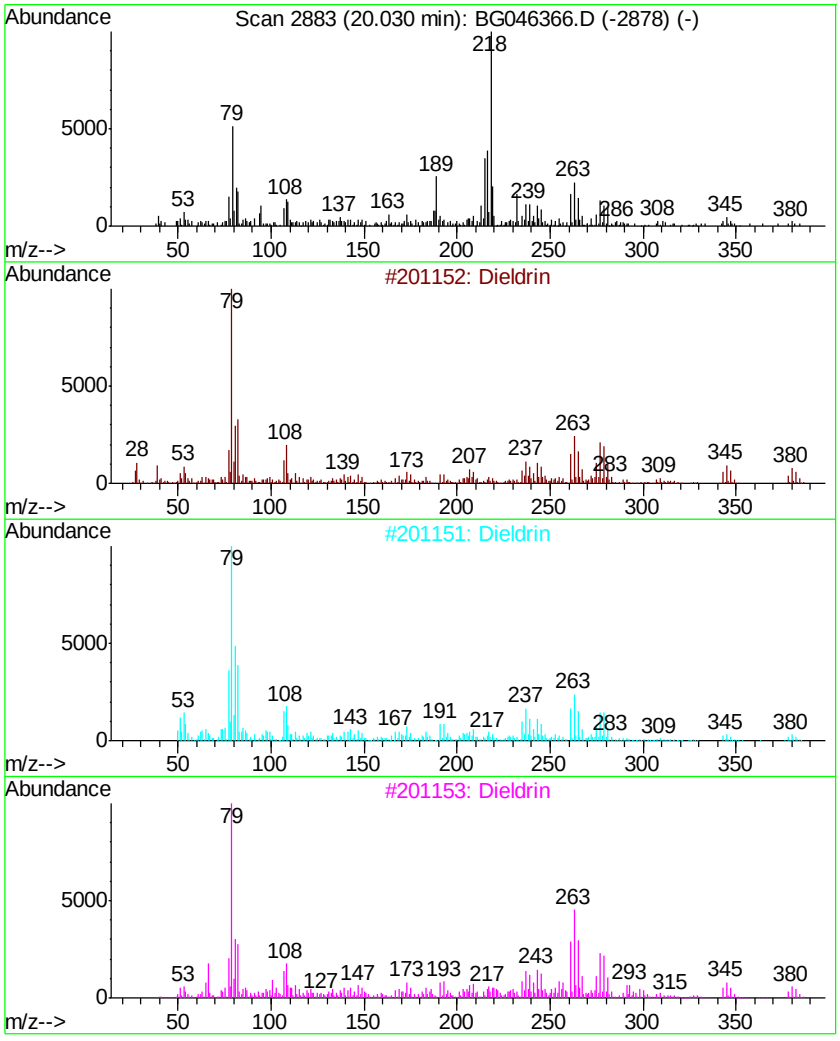
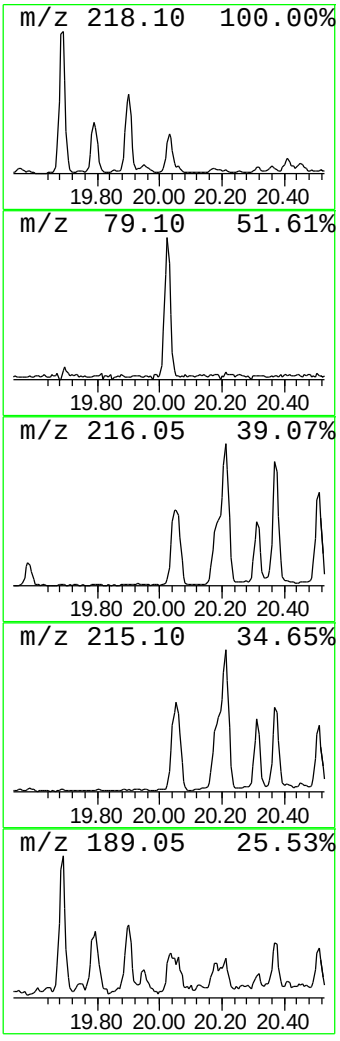
Peak Number 17 Dieldrin Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.99 ng/ul	400308	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dieldrin	378	C12H8Cl6O	000060-57-1	92
2	Dieldrin	378	C12H8Cl6O	000060-57-1	91
3	Dieldrin	378	C12H8Cl6O	000060-57-1	70
4	Dieldrin	378	C12H8Cl6O	000060-57-1	64
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	47





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ClientSampleId : BFMA3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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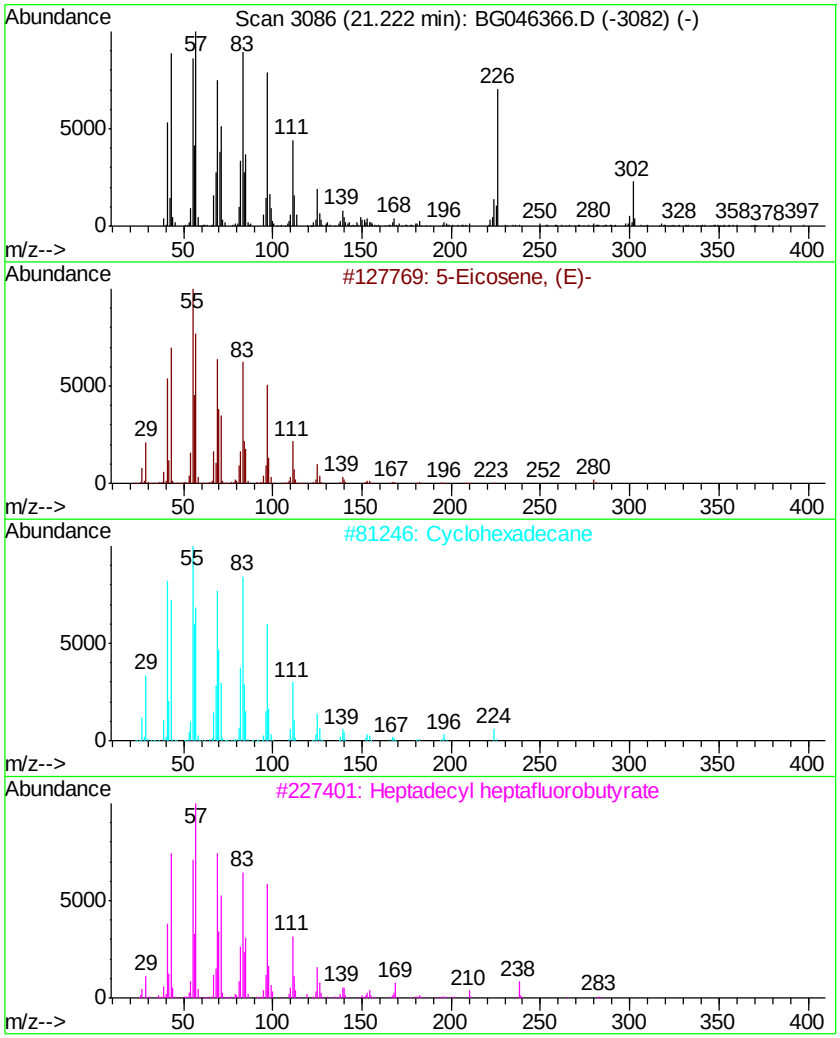
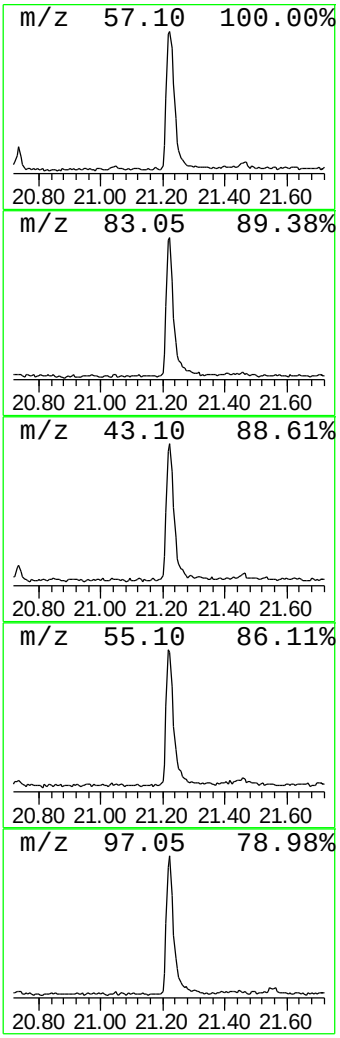
****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	4.74 ng/ul	634768	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
2	Cyclohexadecane	224	C16H32	000295-65-8	95
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	89





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Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

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

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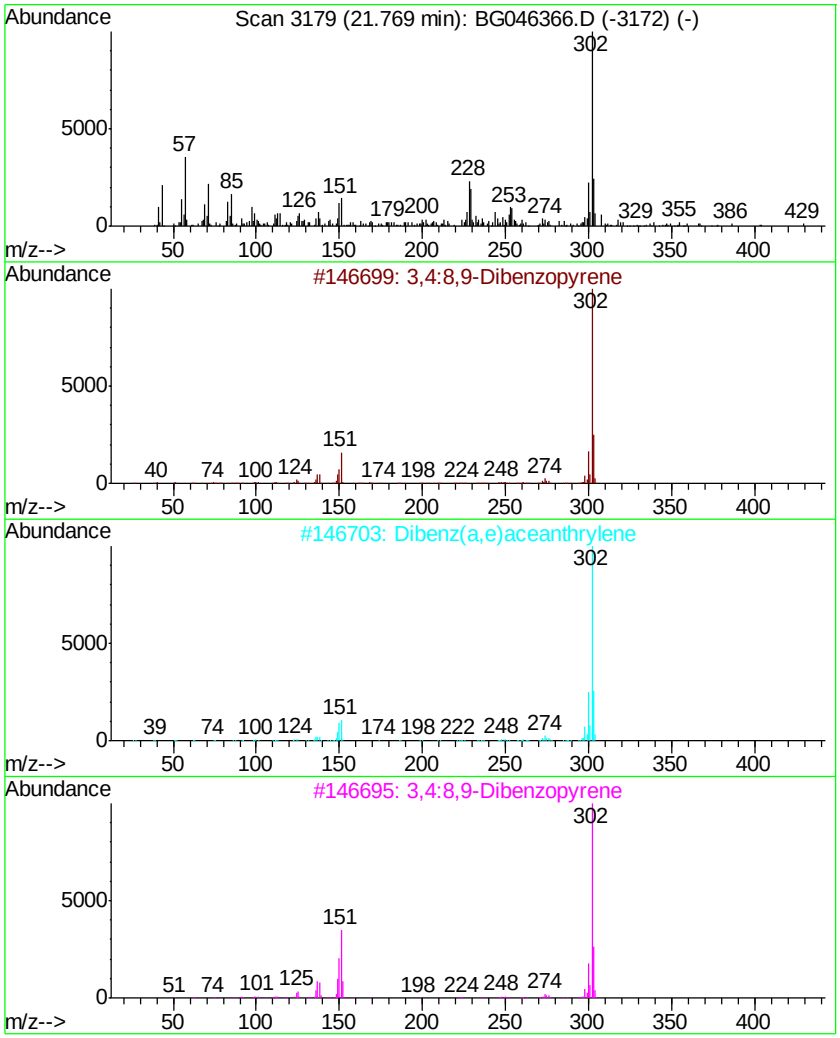
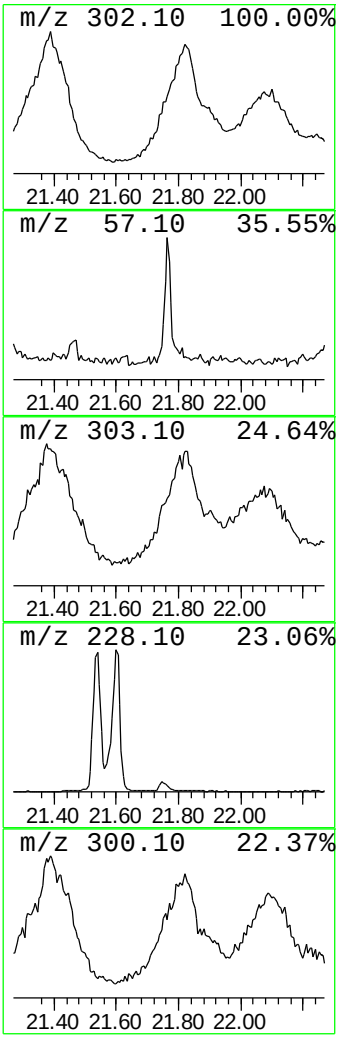
Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.19 ng/ul	292904	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
4	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	78
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	78





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Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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

TIC Library : C:\DATABASE\NIST11.L
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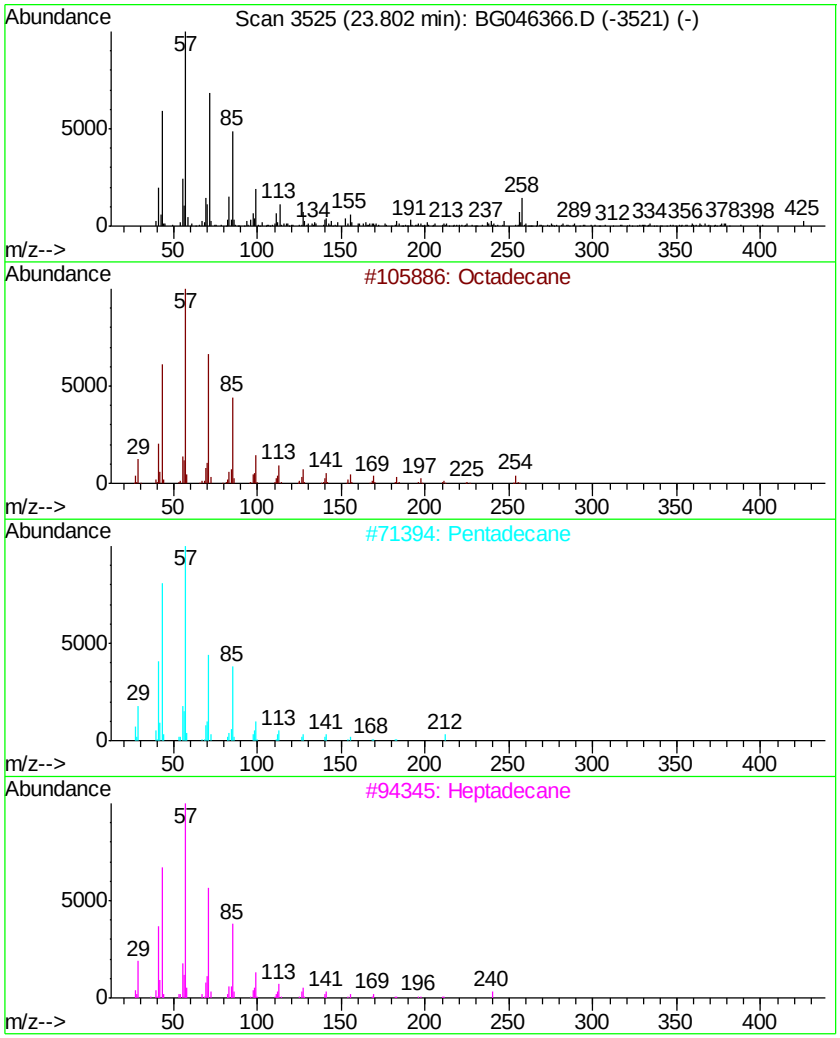
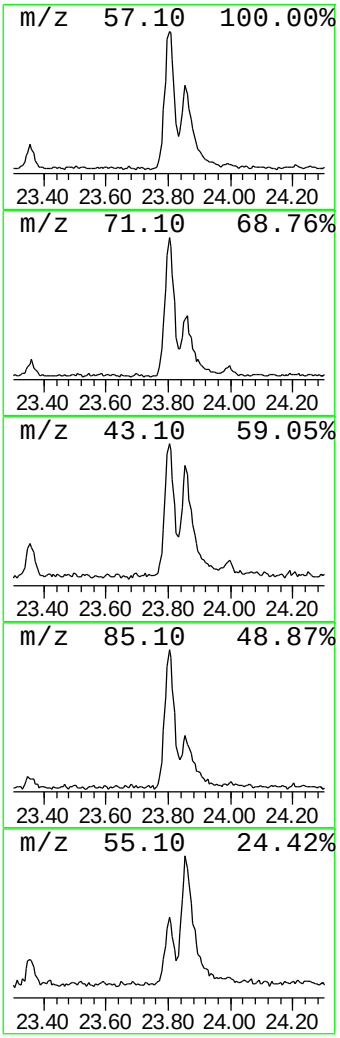
****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.80	2.14 ng/ul	168163	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	87
2	Pentadecane	212	C15H32	000629-62-9	87
3	Heptadecane	240	C17H36	000629-78-7	83
4	Heneicosane	296	C21H44	000629-94-7	83
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81





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Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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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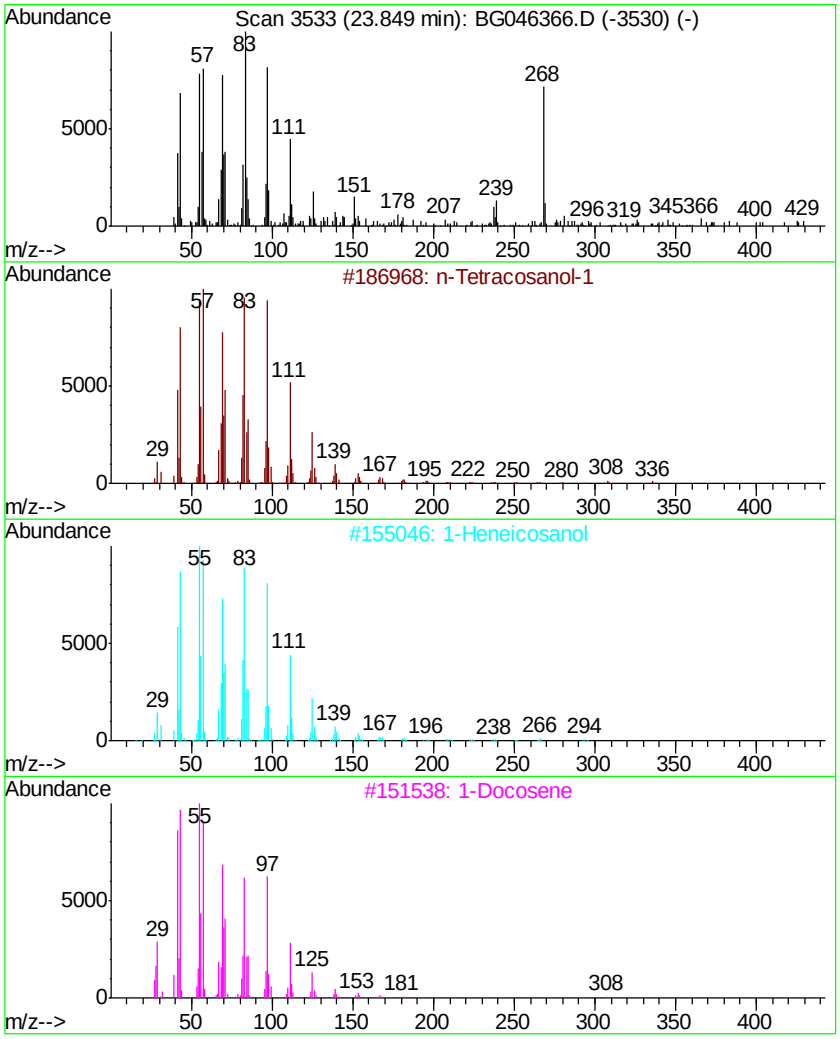
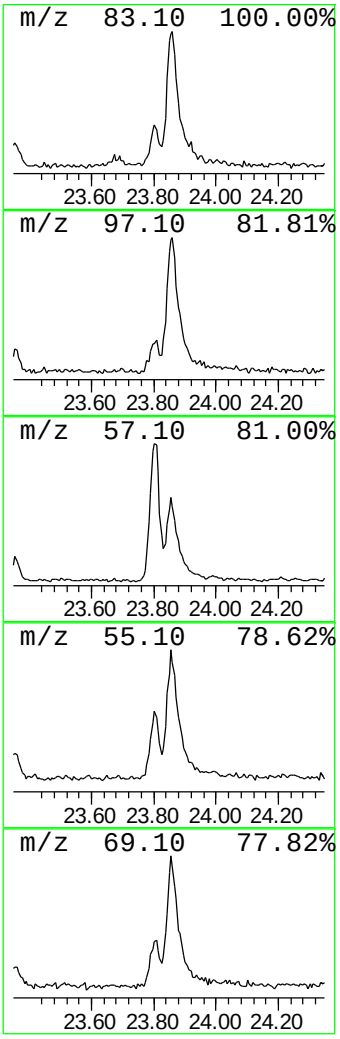
Peak Number 21 n-Tetracosanol-1 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.85	2.91 ng/ul	228362	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	76
2	1-Heneicosanol	312	C21H44O	015594-90-8	76
3	1-Docosene	308	C22H44	001599-67-3	70
4	17-Pentatriacontene	491	C35H70	006971-40-0	68
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	60





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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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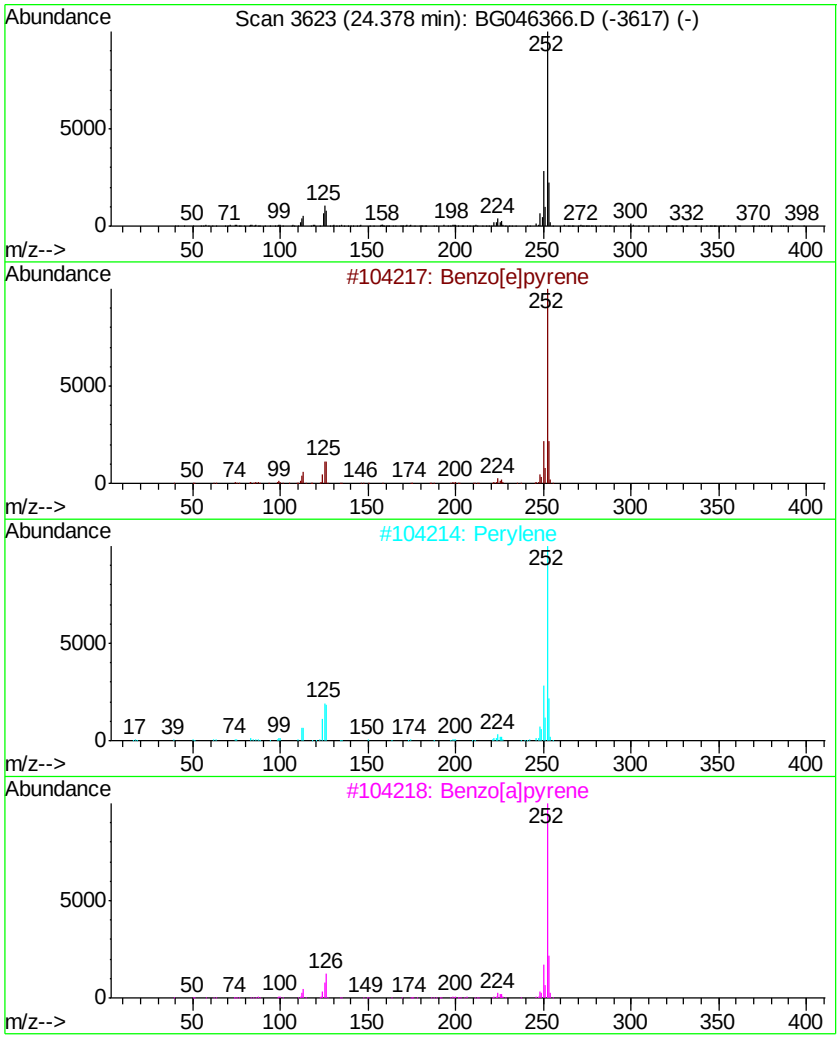
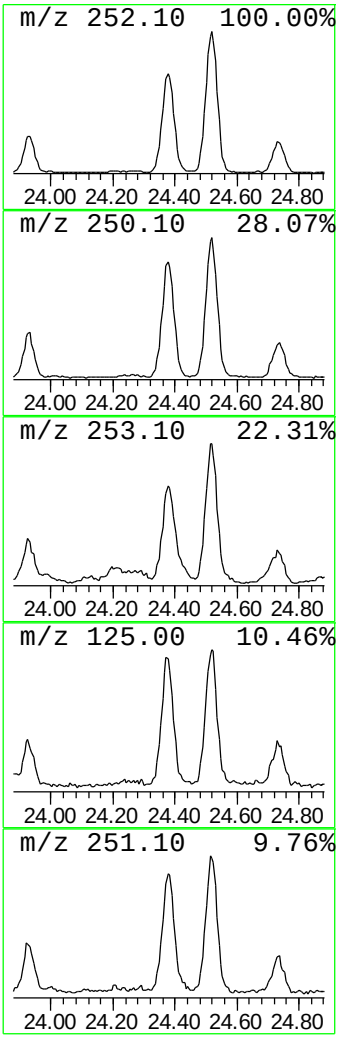
Peak Number 22 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	6.06 ng/ul	475183	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Operator : CG/JU
Sample : L3633-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

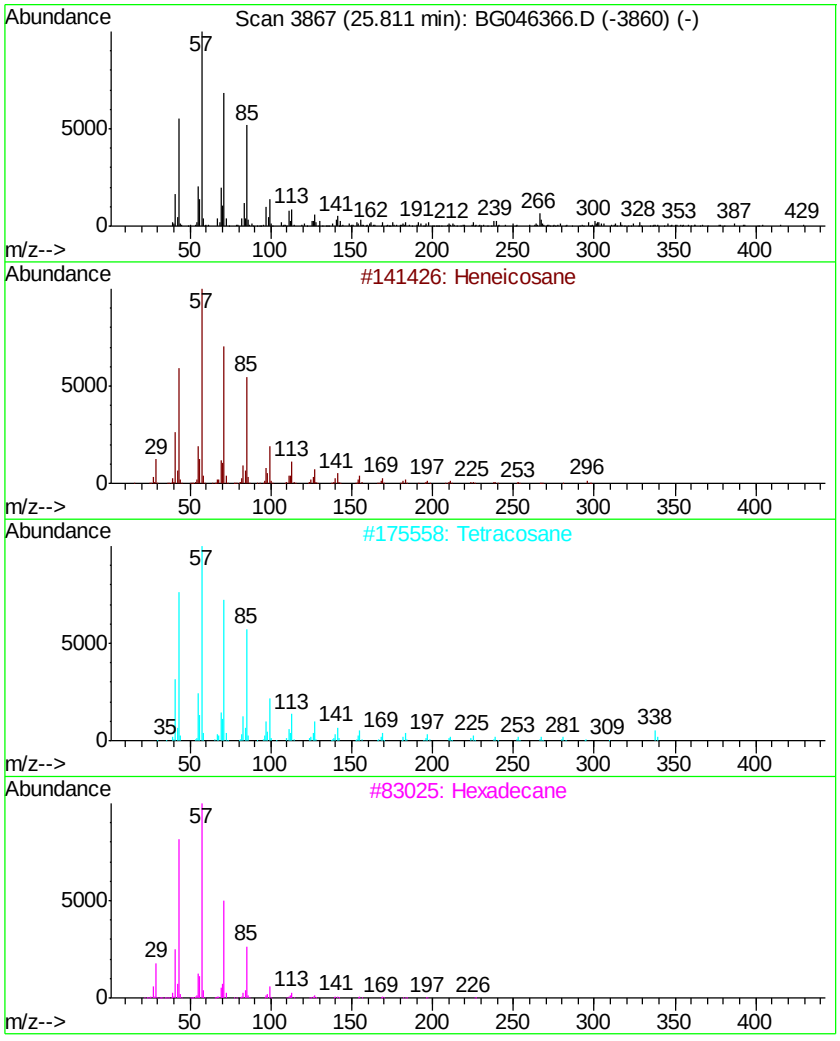
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

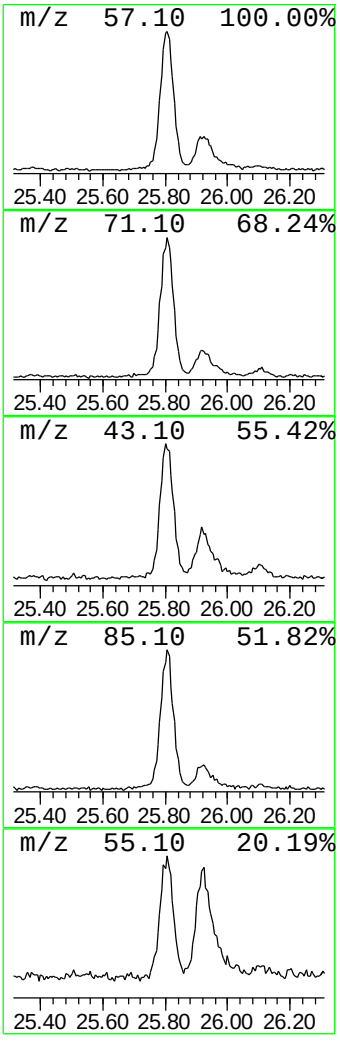
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	5.35 ng/ul	419713	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Tetracosane	338	C24H50	000646-31-1	96
3	Hexadecane	226	C16H34	000544-76-3	94
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	93
5	Heneicosane	296	C21H44	000629-94-7	91





Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA3

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	78.2	ng/ul	2273940	1	7.94	581378	20.0
4H-Imidazol-4-one...	7.10	20.4	ng/ul	591458	1	7.94	581378	20.0
unknown-01	7.27	15.0	ng/ul	436493	1	7.94	581378	20.0
unknown-02	7.47	20.9	ng/ul	606045	1	7.94	581378	20.0
unknown-03	8.64	25.1	ng/ul	729301	1	7.94	581378	20.0
unknown-04	9.09	19.3	ng/ul	561897	1	7.94	581378	20.0
unknown-05	9.81	11.4	ng/ul	492104	2	10.73	867245	20.0
unknown-06	10.86	12.9	ng/ul	559833	2	10.73	867245	20.0
unknown-07	13.97	19.1	ng/ul	1204940	3	14.57	1259670	20.0
Dimethyl phthalate	14.01	2.1	ng/ul	130404	3	14.57	1259670	20.0
unknown-08	14.76	8.2	ng/ul	513457	3	14.57	1259670	20.0
unknown-09	15.68	7.5	ng/ul	473102	3	14.57	1259670	20.0
Anthracene, 9-met...	18.18	2.2	ng/ul	178580	4	17.31	1603830	20.0
Phenanthrene, 1-m...	18.23	3.0	ng/ul	239635	4	17.31	1603830	20.0
unknown-10	18.38	3.1	ng/ul	247215	4	17.31	1603830	20.0
Cyclopenta(def)ph...	19.24	2.0	ng/ul	161567	4	17.31	1603830	20.0
Dieldrin	20.03	3.0	ng/ul	400308	5	21.56	2679920	20.0
(DEL) Alkane: Str...	21.22	4.7	ng/ul	634768	5	21.56	2679920	20.0
3,4:8,9-Dibenzopy...	21.77	2.2	ng/ul	292904	5	21.56	2679920	20.0
(DEL) Alkane: Str...	23.80	2.1	ng/ul	168163	6	24.67	1568530	20.0
n-Tetracosanol-1	23.85	2.9	ng/ul	228362	6	24.67	1568530	20.0
Benzo[e]pyrene	24.38	6.1	ng/ul	475183	6	24.67	1568530	20.0
(DEL) Alkane: Str...	25.81	5.3	ng/ul	419713	6	24.67	1568530	20.0