LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046365.D
Acq On : 20 Aug 2020 4:49
Operator : CG/JU
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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	27	rVB	1245533	1897234	21.04%	1.356%
2	7.107	676	684	698	rBV	328191	591206	6.56%	0.423%
3	7.266	704	711	721	rBV	272182	452984	5.02%	0.324%
4	7.471	739	746	754	rBV	357440	608789	6.75%	0.435%
5	7.941	819	826	833	rBV	346024	587606	6.52%	0.420%
6	8.641	938	945	954	rBV	410809	723836	8.03%	0.517%
7	9.087	1010	1021	1034	rBV	318527	589424	6.54%	0.421%
8	9.816	1136	1145	1154	rBV	272532	496713	5.51%	0.355%
9	10.356	1228	1237	1255	rBV	452120	815336	9.04%	0.583%
10	10.732	1292	1301	1306	rBV	502938	913722	10.13%	0.653%
11	10.785	1306	1310	1316	rVV	244092	407007	4.51%	0.291%
12	10.862	1316	1323	1341	rVB	304225	595852	6.61%	0.426%
13	12.389	1577	1583	1593	rBV	181371	312134	3.46%	0.223%
14	12.613	1610	1621	1630	rVV	117456	206601	2.29%	0.148%
15	13.887	1828	1838	1843	rBV	119895	217634	2.41%	0.156%
16	13.970	1843	1852	1856	rVV	826660	1325728	14.70%	0.948%
17	14.017	1856	1860	1866	rVB	340116	487329	5.40%	0.348%
18	14.258	1893	1901	1914	rBV	985712	1685319	18.69%	1.205%
19	14.569	1943	1954	1959	rBV2	814135	1390673	15.42%	0.994%
20	14.628	1959	1964	1971	rVV	795375	1261337	13.99%	0.902%
21	14.763	1981	1987	1997	rBV4	171277	365190	4.05%	0.261%
22	14.963	2015	2021	2029	rVB	636178	1009306	11.19%	0.721%
23	15.556	2114	2122	2127	rBV	1297002	2014189	22.34%	1.440%
24	15.615	2127	2132	2138	rVB	981805	1446397	16.04%	1.034%
25	15.680	2138	2143	2147	rBV	220523	361778	4.01%	0.259%
26	15.774	2156	2159	2165	rVV2	158846	234081	2.60%	0.167%
27	15.909	2178	2182	2191	rVB	267947	423370	4.70%	0.303%
28	16.056	2201	2207	2214	rVB	307682	645782	7.16%	0.462%
29	16.614	2290	2302	2307	rBV4	220382	645023	7.15%	0.461%
30	16.766	2323	2328	2333	rVB4	111169	196047	2.17%	0.140%
31	16.960	2357	2361	2369	rVB2	191246	347936	3.86%	0.249%
32	17.060	2369	2378	2385	rBV2	274005	726304	8.05%	0.519%
33	17.125	2385	2389	2399	rVB	374643	636342	7.06%	0.455%
34	17.313	2415	2421	2424	rBV	983490	1653460	18.34%	1.182%

LSC Area Percent Report

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Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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

35	17.360	2424	2429	2434	rVV	5434572	9017450	100.00%	6.446%
36	17.413	2434	2438	2441	rVV2	1445593	2382410	26.42%	1.703%
37	17.442	2441	2443	2449	rVB	1749826	2344871	26.00%	1.676%
38	17.501	2449	2453	2458	rVB3	120207	198042	2.20%	0.142%
39	17.707	2478	2488	2493	rBV2	893219	1643615	18.23%	1.175%
40	18.188	2560	2570	2574	rBV	888321	1434876	15.91%	1.026%
41	18.235	2574	2578	2585	rVB	1312152	1947546	21.60%	1.392%
42	18.312	2585	2591	2597	rBV	589810	964766	10.70%	0.690%
43	18.382	2597	2603	2607	rBV2	1298408	2416208	26.79%	1.727%
44	18.417	2607	2609	2614	rVB	578783	665131	7.38%	0.475%
45	18.682	2649	2654	2658	rVV	656156	924962	10.26%	0.661%
46	18.723	2658	2661	2665	rVB	378377	474089	5.26%	0.339%
47	18.929	2692	2696	2700	rBV2	204369	250774	2.78%	0.179%
48	19.017	2708	2711	2716	rVB	204817	258237	2.86%	0.185%
49	19.099	2719	2725	2730	rBV	481677	867340	9.62%	0.620%
50	19.164	2730	2736	2739	rBV2	252493	410635	4.55%	0.294%
51	19.240	2745	2749	2757	rVB2	333228	656438	7.28%	0.469%
52	19.369	2764	2771	2777	rBV	5886620	8999142	99.80%	6.433%
53	19.463	2783	2787	2791	rVB2	223933	311671	3.46%	0.223%
54	19.557	2798	2803	2806	rBV4	166023	313002	3.47%	0.224%
55	19.604	2807	2811	2815	rVV	174405	233223	2.59%	0.167%
56	19.698	2821	2827	2829	rBV3	3136957	4877075	54.08%	3.486%
57	19.734	2829	2833	2839	rVV	4825833	7800886	86.51%	5.576%
58	19.792	2839	2843	2851	rVB2	484896	817128	9.06%	0.584%
59	19.898	2857	2861	2867	rVB	486116	709629	7.87%	0.507%
60	19.957	2867	2871	2877	rVB	271723	412522	4.57%	0.295%
61	20.039	2879	2885	2892	rBV3	616536	1733009	19.22%	1.239%
62	20.180	2904	2909	2911	rBV2	361521	602282	6.68%	0.431%
63	20.215	2911	2915	2920	rVB	1334653	1939523	21.51%	1.386%
64	20.315	2927	2932	2936	rBV	1144590	1582935	17.55%	1.131%
65	20.374	2936	2942	2946	rVV2	812628	1516306	16.82%	1.084%
66	20.415	2946	2949	2952	rVV	247870	318241	3.53%	0.227%
67	20.456	2952	2956	2961	rVB2	193787	274537	3.04%	0.196%
68	20.509	2961	2965	2969	rBV	389518	566840	6.29%	0.405%
69	20.556	2969	2973	2977	rVB2	430028	593789	6.58%	0.424%
70	20.803	3012	3015	3018	rVV3	242579	354648	3.93%	0.254%
71	20.844	3018	3022	3026	rVB2	208362	352087	3.90%	0.252%

LSC Area Percent Report

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Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

72	20.926	3032	3036	3039	rBV3	206942	363767	4.03%	0.260%
73	20.967	3039	3043	3050	rVB2	429798	802393	8.90%	0.574%
74	21.150	3066	3074	3077	rBV3	504123	1031944	11.44%	0.738%
75	21.191	3077	3081	3085	rVV	692402	1083436	12.01%	0.774%
76	21.238	3085	3089	3094	rVV2	621847	1255335	13.92%	0.897%
77	21.291	3094	3098	3107	rVB2	384288	838926	9.30%	0.600%
78	21.549	3135	3142	3148	rBV3	3548164	7856357	87.12%	5.616%
79	21.608	3148	3152	3163	rVB	2897710	4965625	55.07%	3.549%
80	21.755	3172	3177	3183	rBV	615455	1087648	12.06%	0.777%
81	21.884	3196	3199	3204	rVB	348750	568727	6.31%	0.407%
82	21.949	3205	3210	3218	rBV2	524477	1092806	12.12%	0.781%
83	22.195	3248	3252	3257	rBV2	166847	283746	3.15%	0.203%
84	22.272	3258	3265	3270	rVV	636484	1380481	15.31%	0.987%
85	22.342	3272	3277	3283	rVB	364027	691697	7.67%	0.494%
86	22.472	3296	3299	3304	rVB3	237466	368545	4.09%	0.263%
87	22.530	3305	3309	3313	rVV	304983	572793	6.35%	0.409%
88	22.577	3314	3317	3324	rVB3	398992	722620	8.01%	0.517%
89	22.660	3326	3331	3345	rVB4	253693	696131	7.72%	0.498%
90	22.912	3369	3374	3381	rBV4	135083	388585	4.31%	0.278%
91	23.700	3498	3508	3515	rBV	1938489	6579022	72.96%	4.703%
92	23.935	3542	3548	3557	rVB	447707	984300	10.92%	0.704%
93	24.134	3575	3582	3585	rBV3	159388	399041	4.43%	0.285%
94	24.387	3617	3625	3632	rBV	956863	2647176	29.36%	1.892%
95	24.463	3632	3638	3643	rVV	840164	2158602	23.94%	1.543%
96	24.534	3643	3650	3662	rVB	1832769	4903875	54.38%	3.505%
97	24.669	3664	3673	3680	rBV2	657192	2016206	22.36%	1.441%
98	24.745	3681	3686	3701	rVB2	504150	1622639	17.99%	1.160%
99	28.206	4262	4275	4293	rVB3	692830	3441195	38.16%	2.460%
100	29.293	4447	4460	4473	rBV3	373512	1659206	18.40%	1.186%

Sum of corrected areas: 139900358

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046365.D
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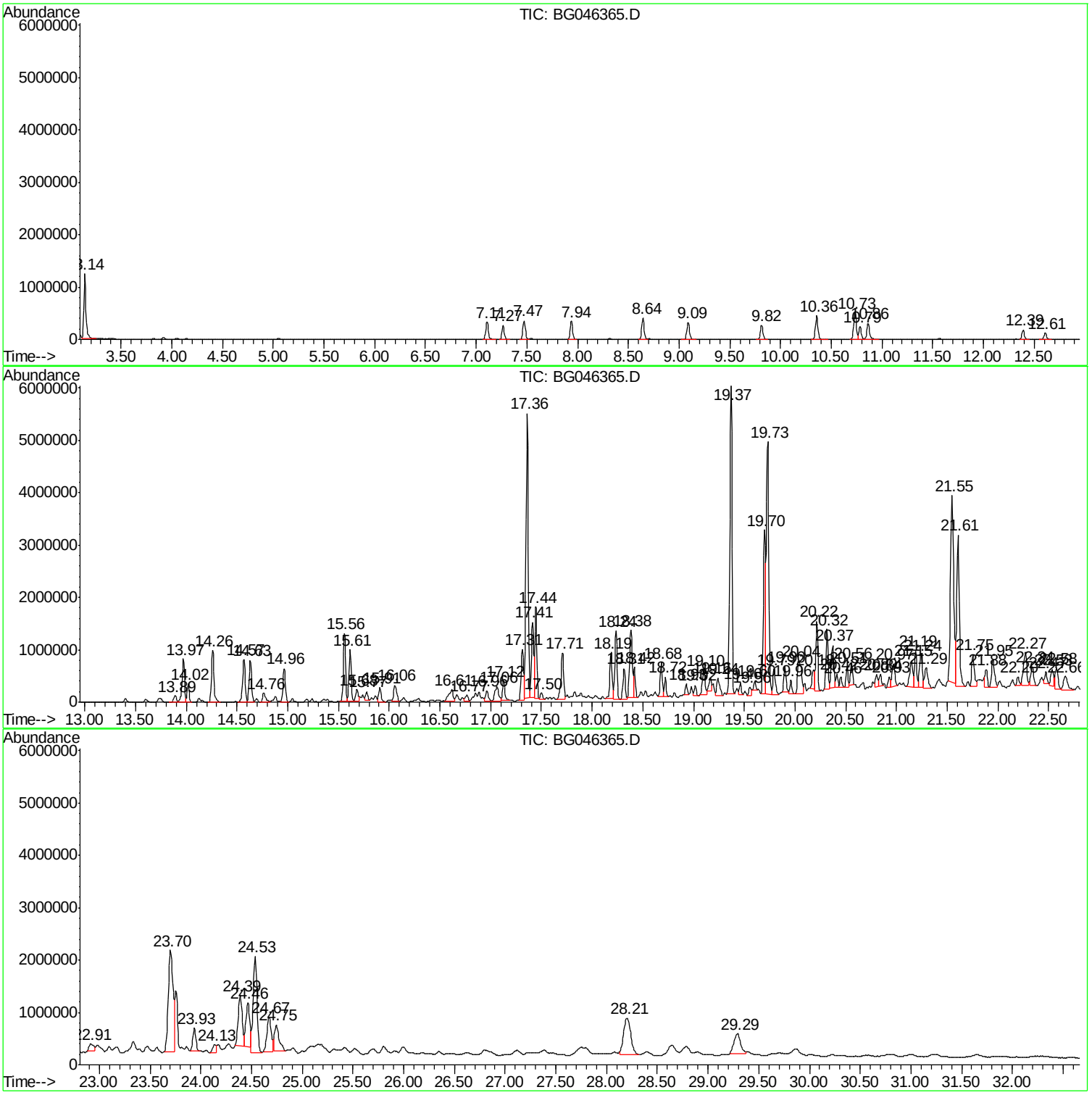
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046365.D
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Misc :
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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

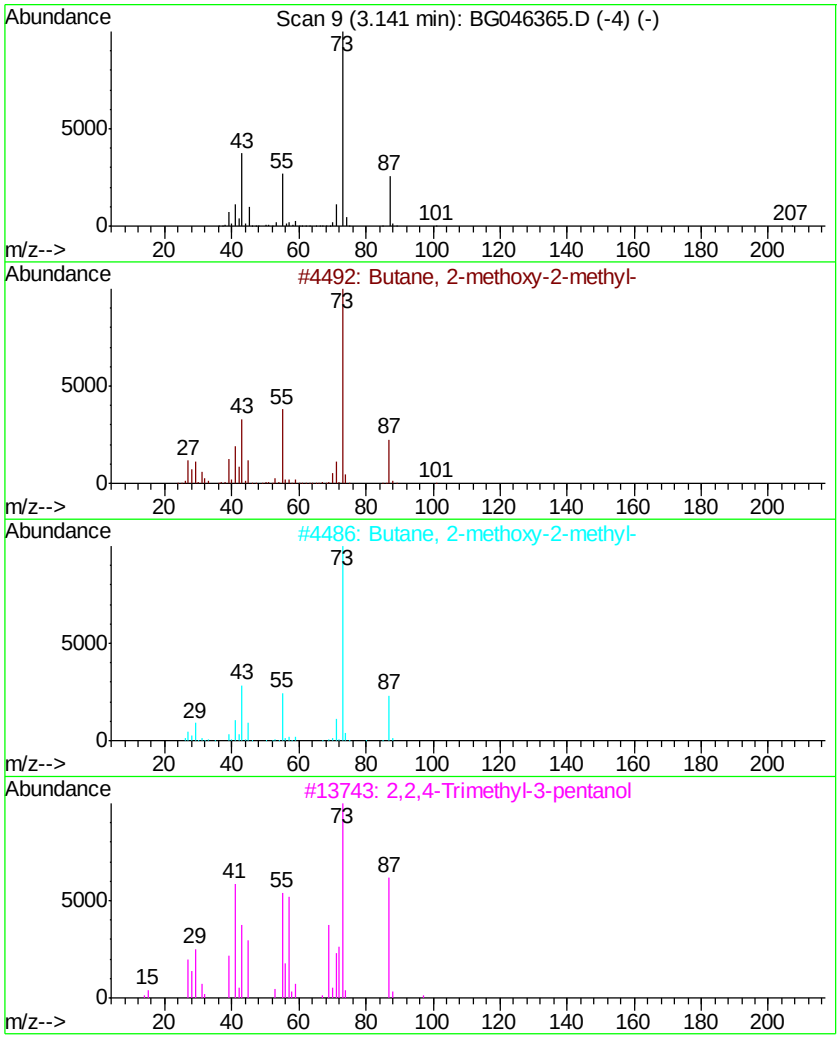
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

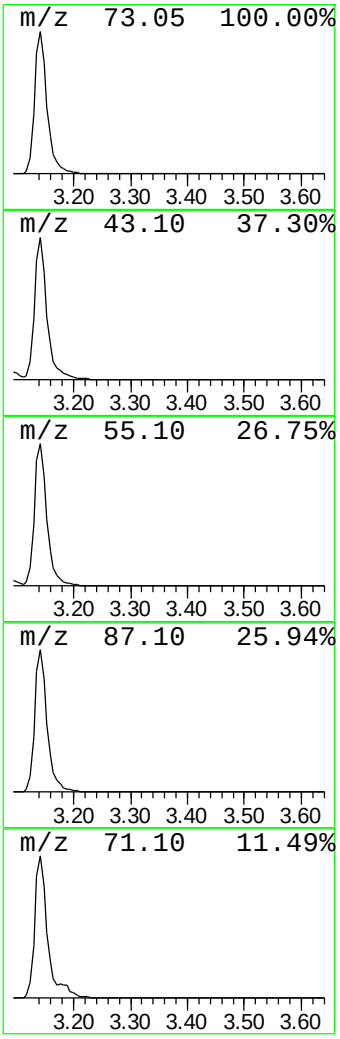
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	64.58 ng/ul	1897230	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	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046365.D
Acq On : 20 Aug 2020 4:49
Operator : CG/JU
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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

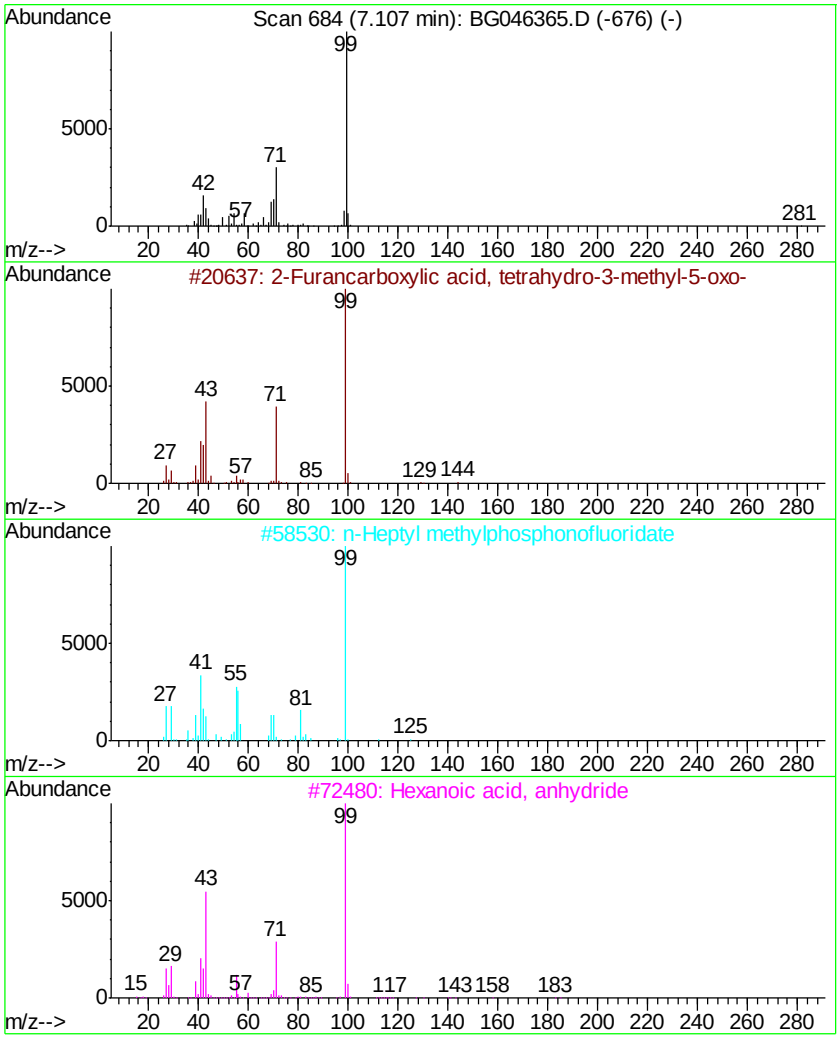
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

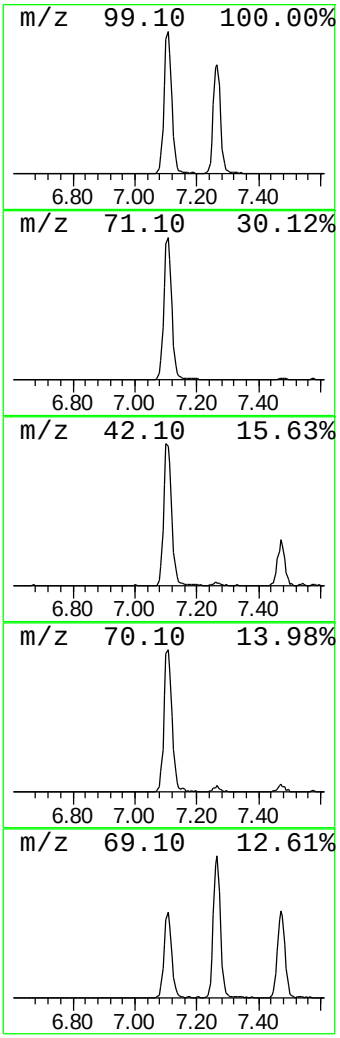
****

Peak Number 2 2-Furancarboxylic acid, tet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	20.12 ng/ul	591206	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	n-Heptyl methylphosphonofluoridate	196	C8H18FO2P	162085-82-7	53
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	45
5	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45





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Quant Title : SVOA CALIBRATION

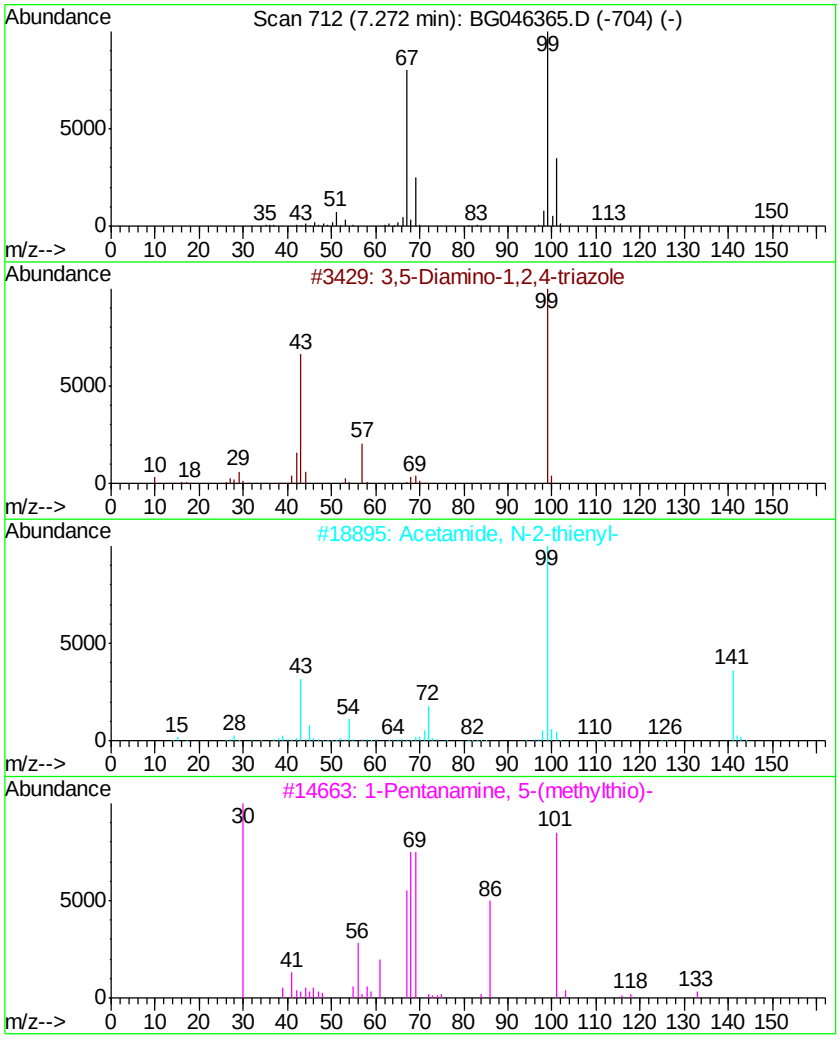
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

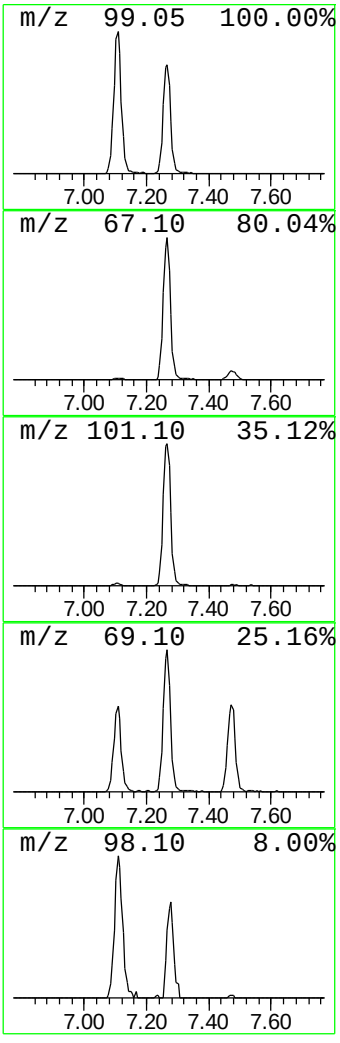
****

Peak Number 3 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	15.42 ng/ul	452984	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	Acetamide, N-2-thienyl-	141	C6H7NOS	013053-81-1	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7
5	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	5





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Instrument : BNA_G
ClientSampleId : BFMA2

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

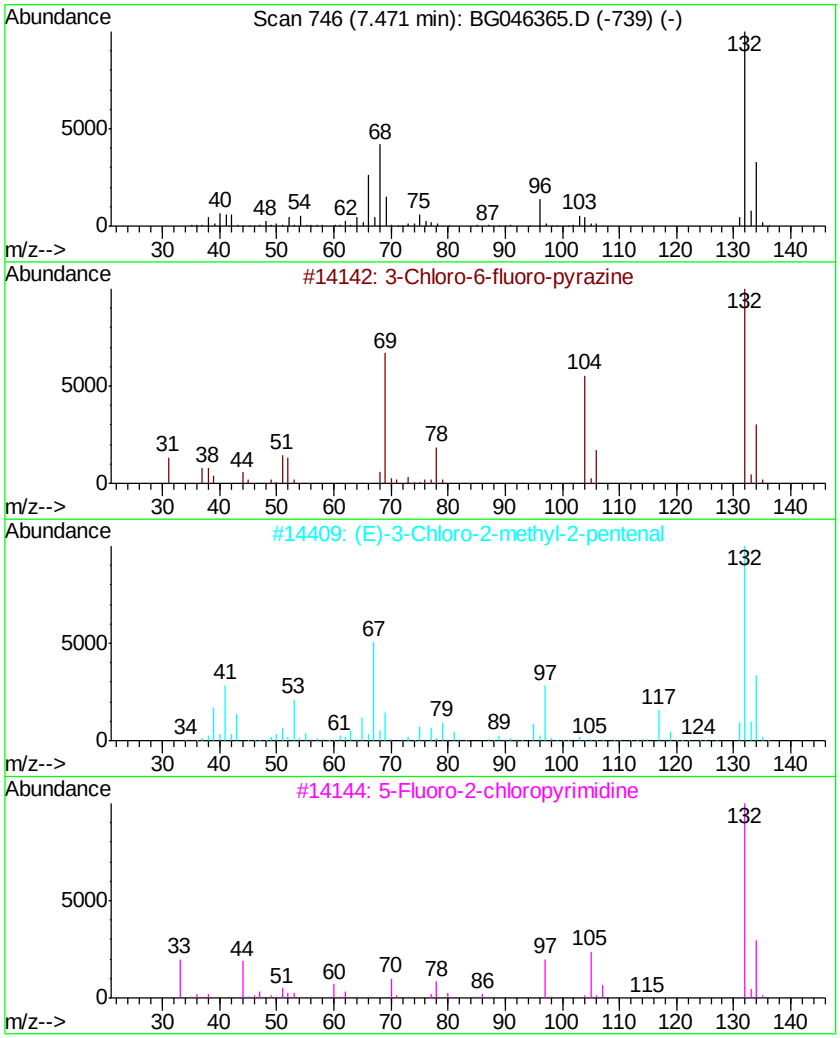
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

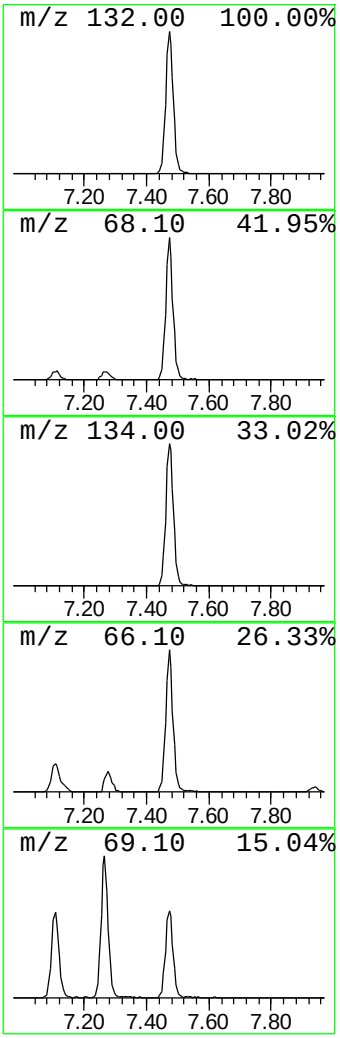
****

Peak Number 4 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	20.72 ng/ul	608789	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_G
ClientSampleId : BFMA2

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

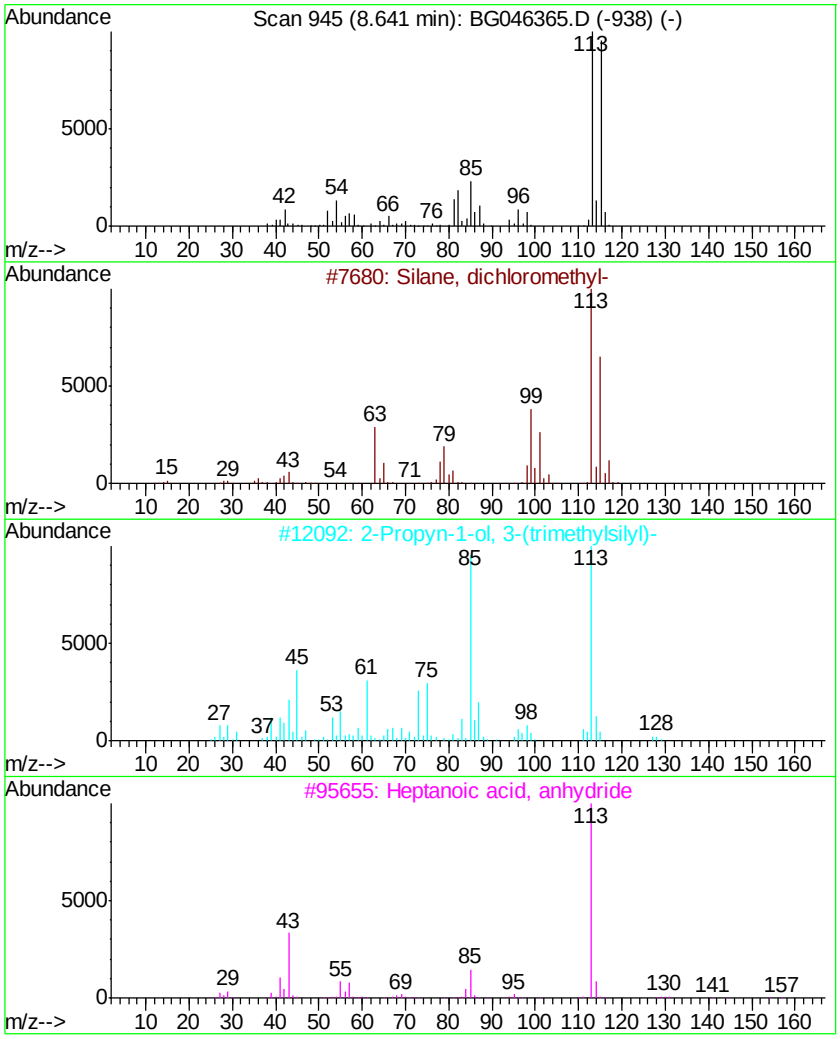
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

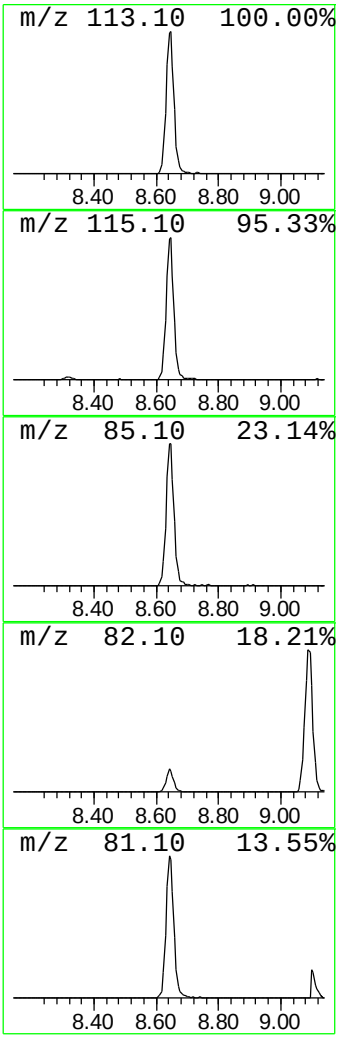
****

Peak Number 5 Silane, dichloromethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	24.64 ng/ul	723836	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	64
2	2-Propyn-1-ol, 3-(trimethylsilyl)-	128	C6H12OSi	005272-36-6	43
3	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	35
4	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
5	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32





Library Search Compound Report

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Operator : CG/JU
Sample : L3633-04
Misc :
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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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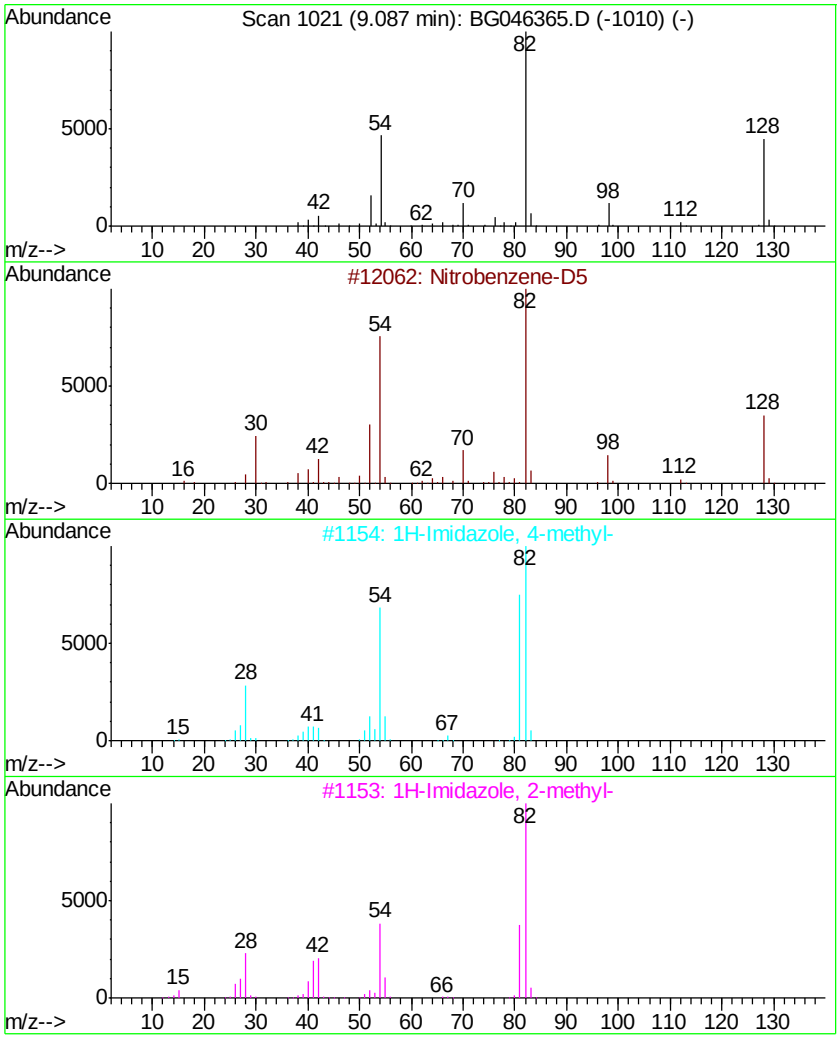
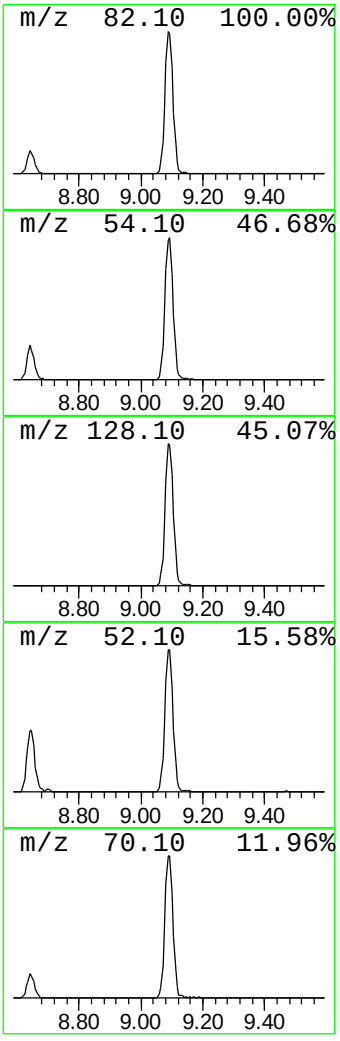
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	20.06 ng/ul	589424	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	78
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
4	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
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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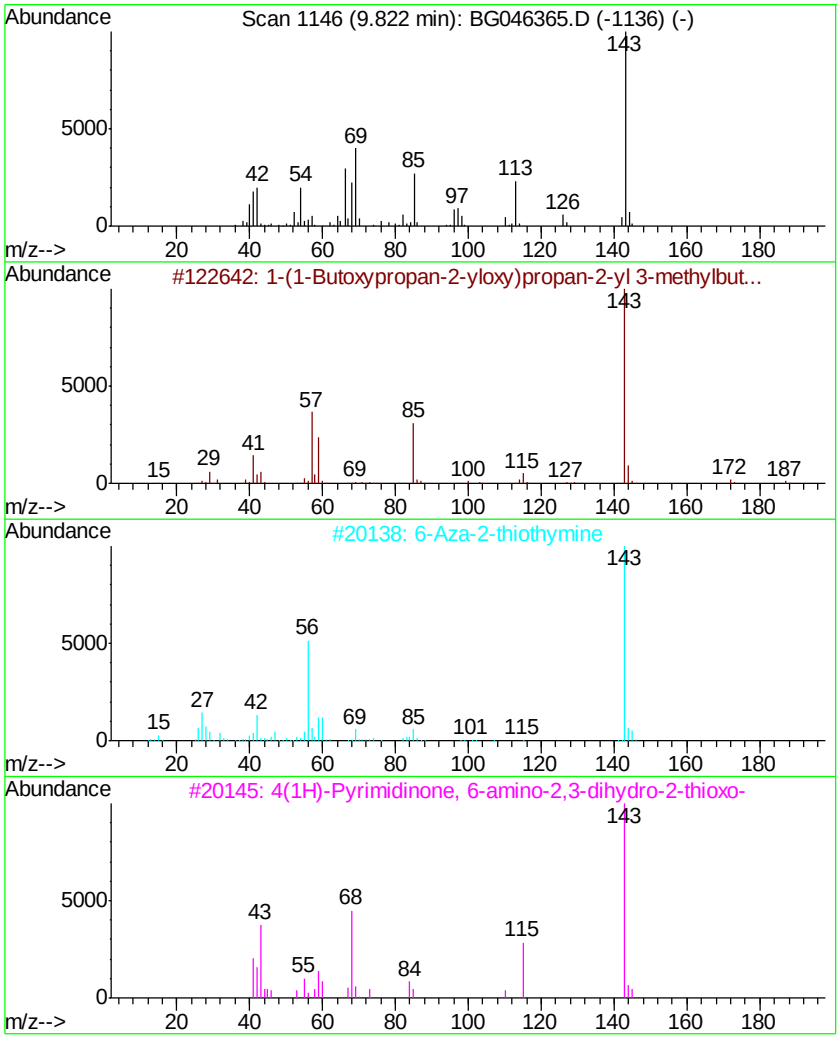
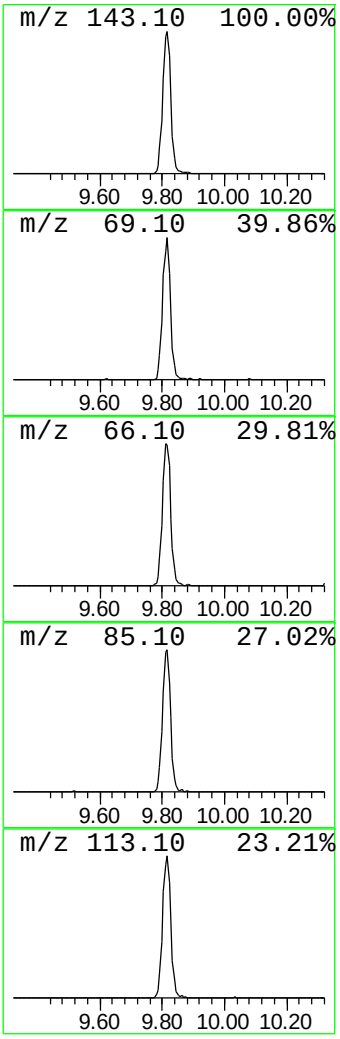
Peak Number 7 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	10.87 ng/ul	496713	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	16
2	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	9
3	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	9
4	2,3-Dimethyl-5-methylamino-1,3,4...	143	C5H9N3S	1000288-97-2	9
5	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	9





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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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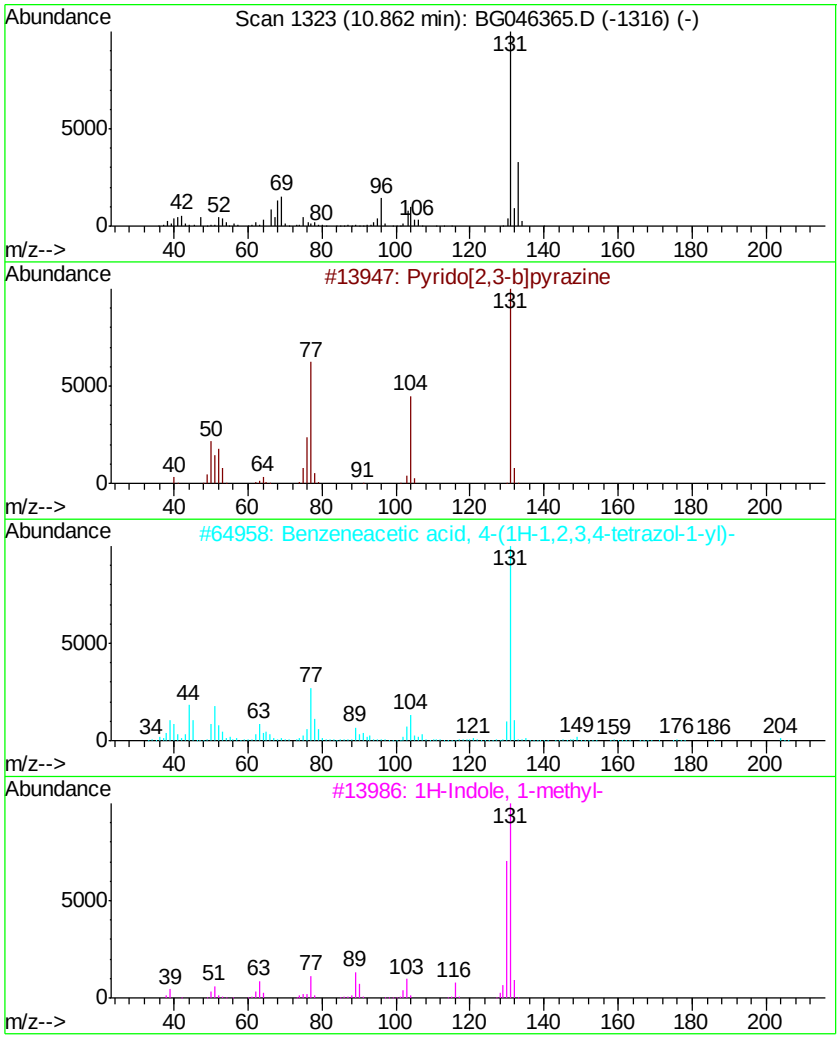
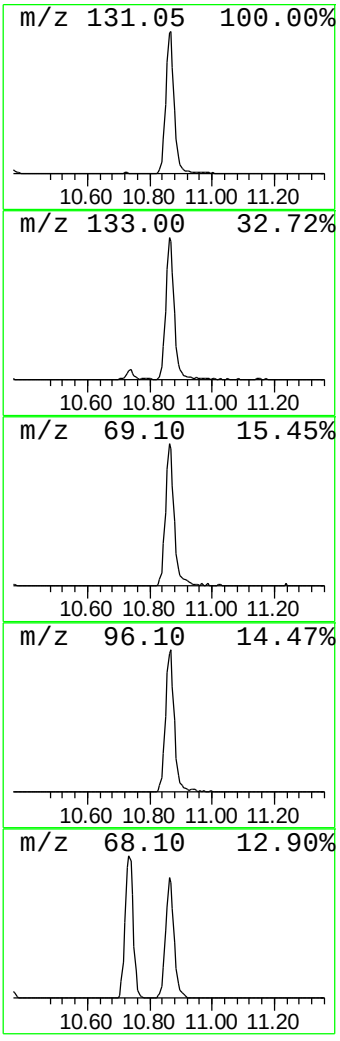
Peak Number 8 unknown-04 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	13.04 ng/ul	595852	Naphthalene-d8	10.73

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	28
4	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9
5	Benzene, (2-propynyloxy)-	132	C9H8O	013610-02-1	9





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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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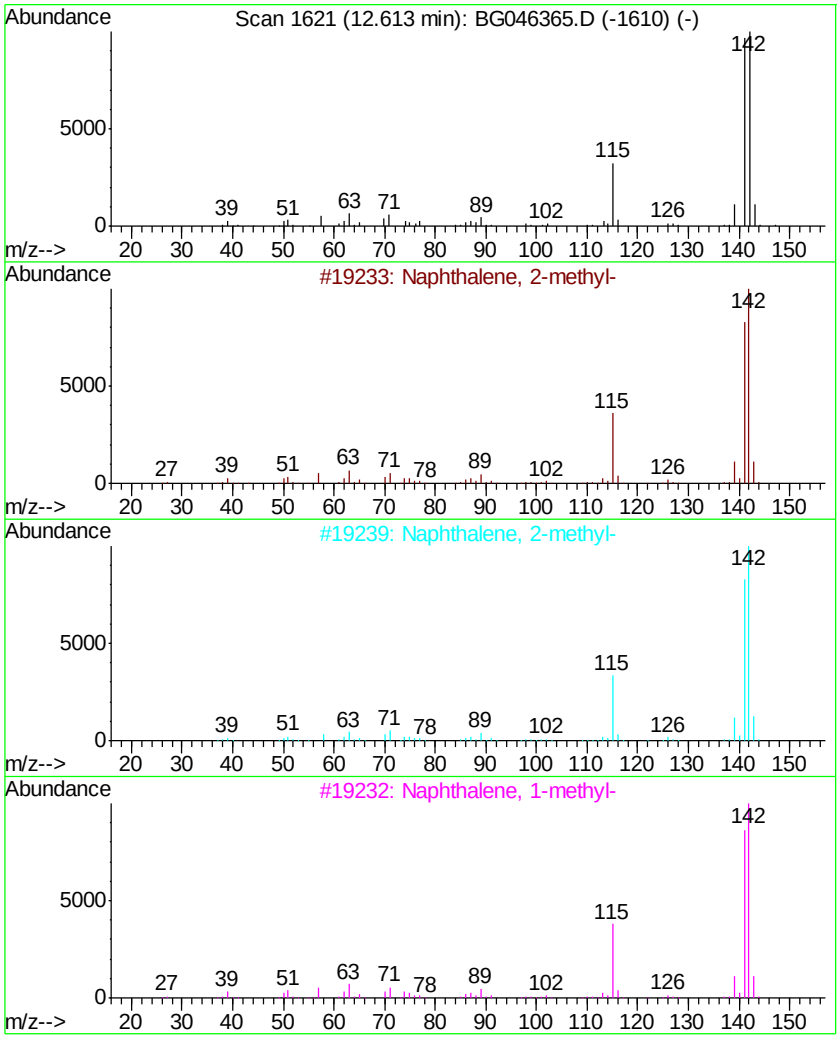
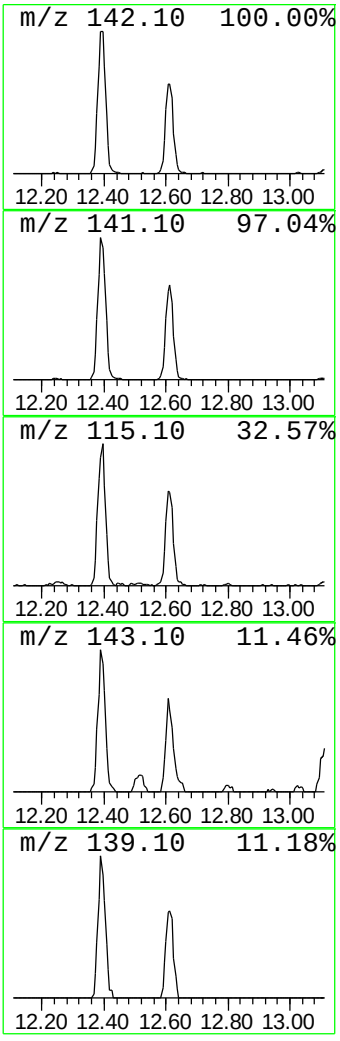
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	4.52 ng/ul	206601	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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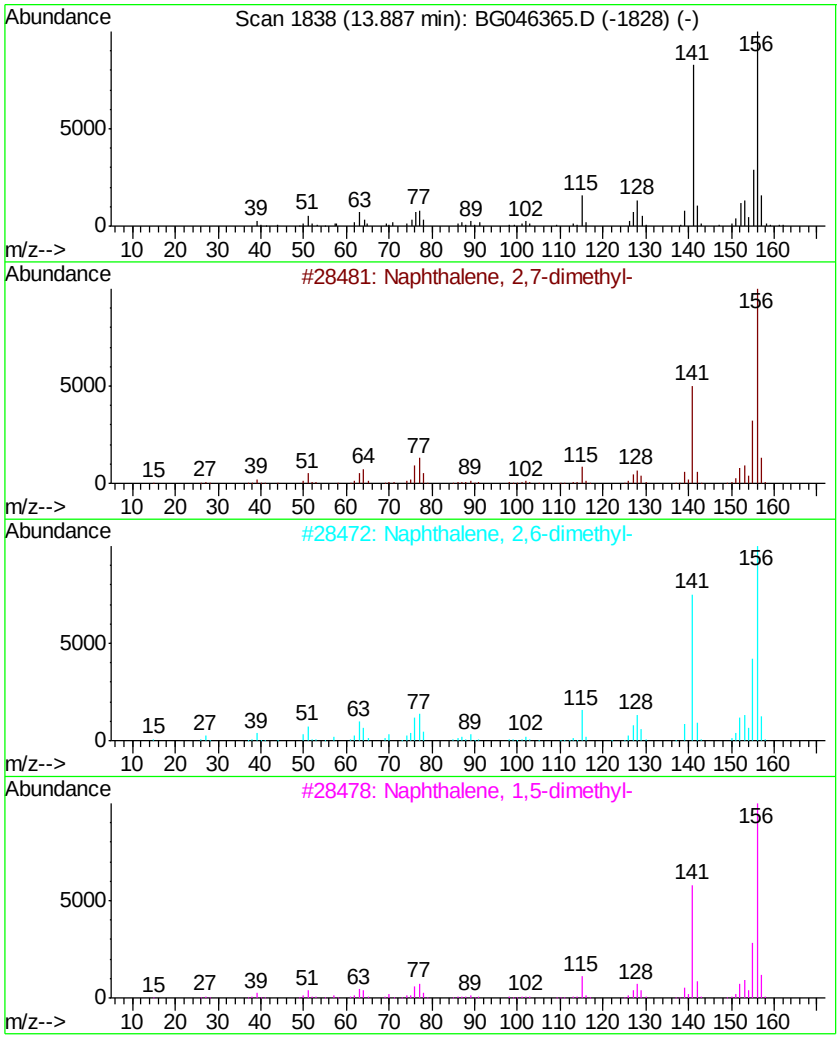
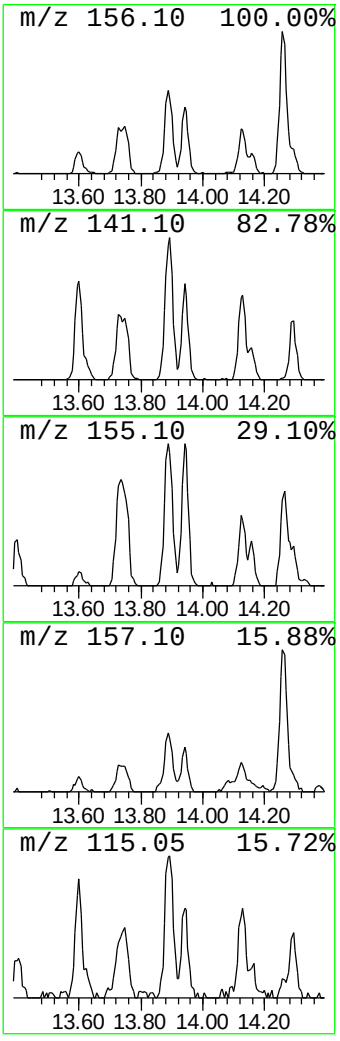
Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.13 ng/ul	217634	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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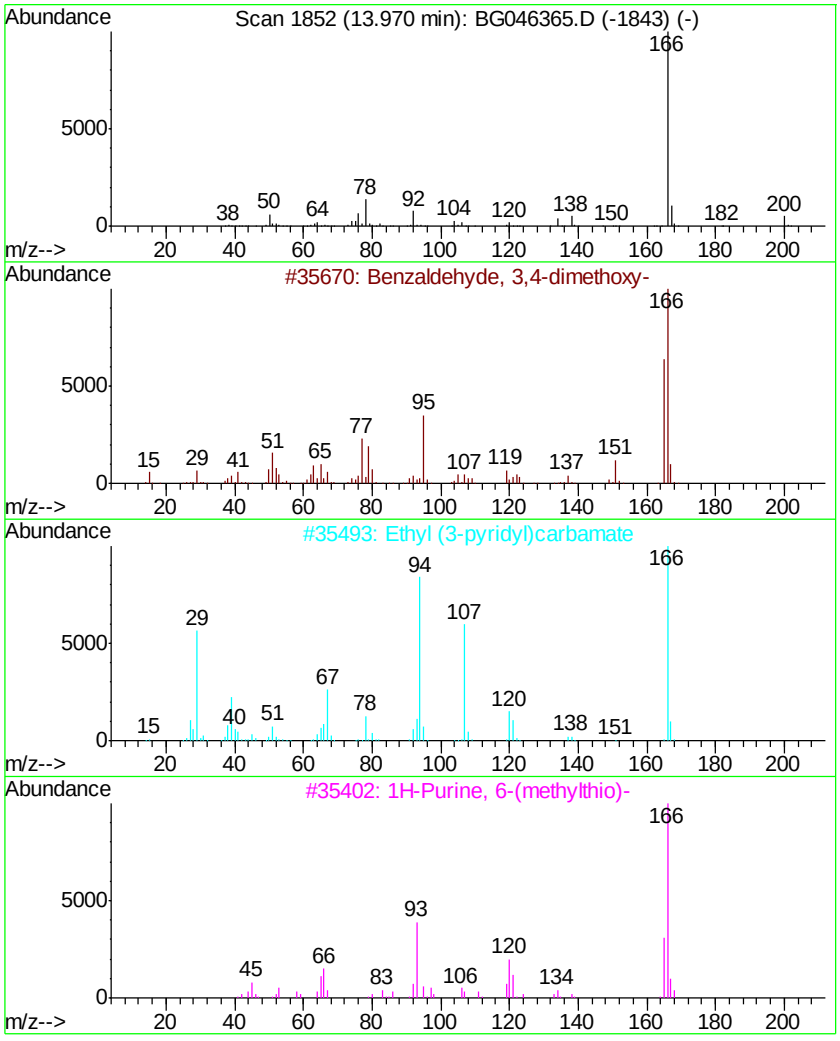
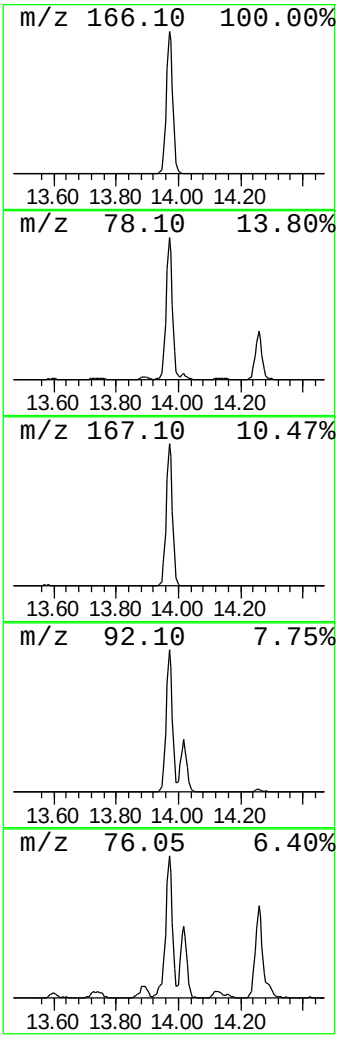
Peak Number 11 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	19.07 ng/ul	1325730	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
3	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
4	1H-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
5	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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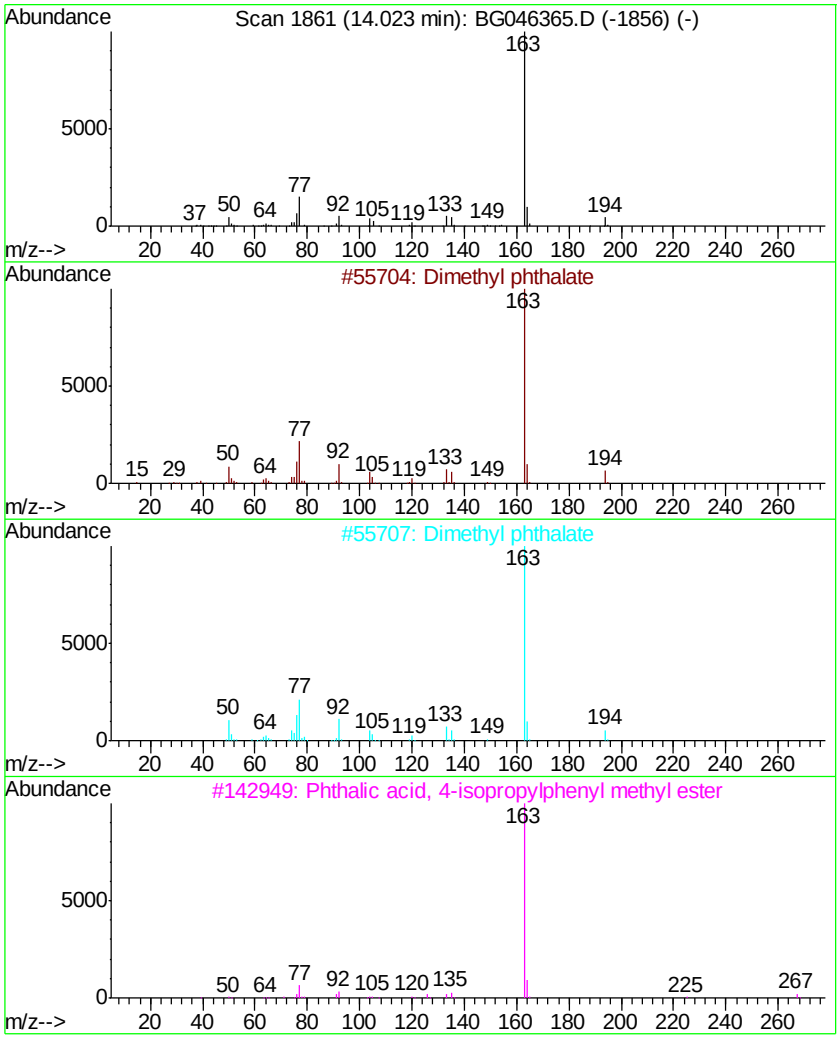
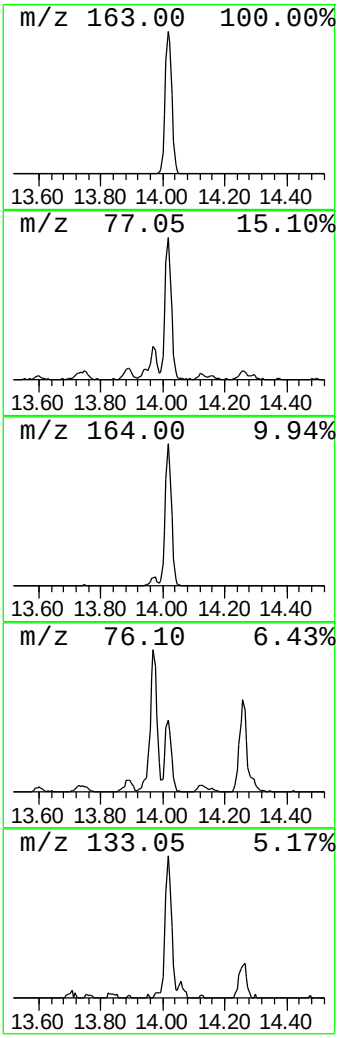
Peak Number 12 Dimethyl phthalate Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	7.01 ng/ul	487329	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	93
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
3	Phthalic acid, 4-isopropylphenyl...	298	C18H18O4	1000315-65-7	83
4	Phthalic acid, 2-isopropylphenyl...	298	C18H18O4	1000315-52-2	83
5	Heptyl methyl phthalate	278	C16H22O4	1000373-88-4	78





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Quant Title : SVOA CALIBRATION

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

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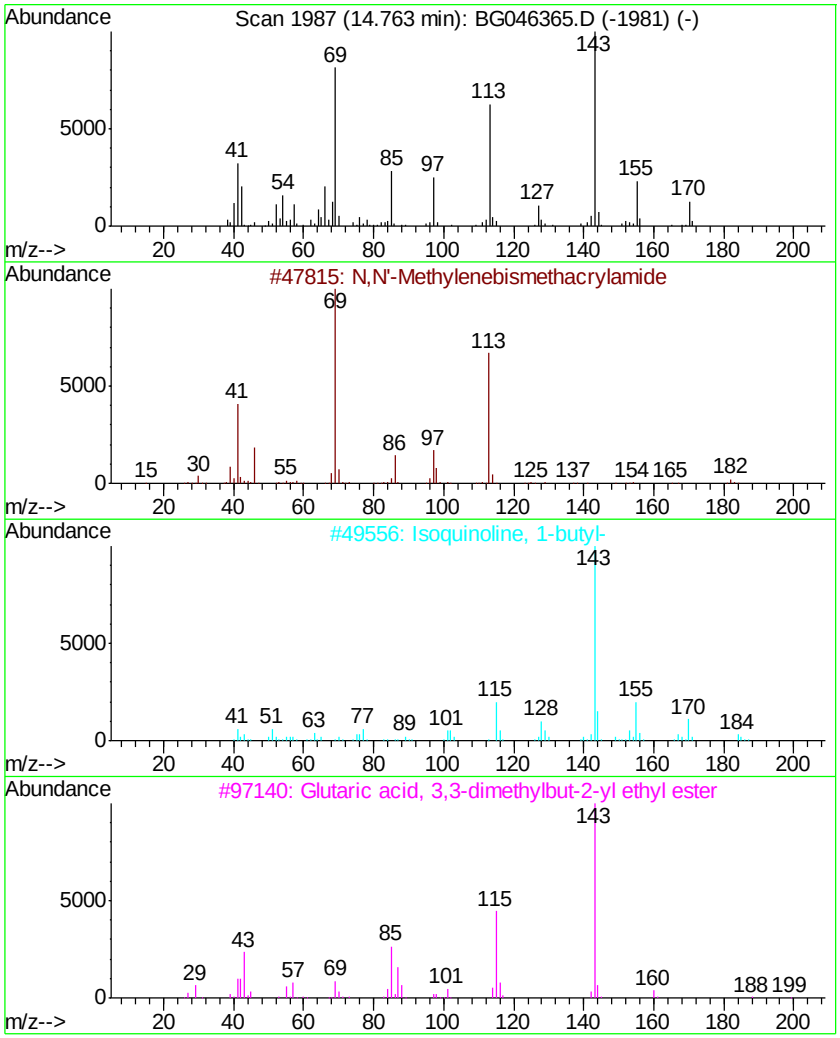
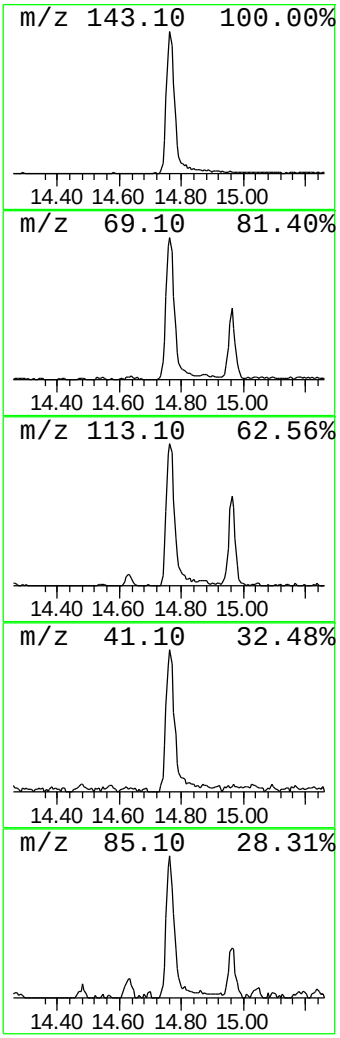
Peak Number 13 unknown-06 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	5.25 ng/ul	365190	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	12
2	Isoquinoline, 1-butyl-	185	C13H15N	007661-38-3	10
3	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	10
4	1-(3-Methylbutyryl)pyrrolidine	155	C9H17NO	060026-17-7	10
5	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	10





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Quant Title : SVOA CALIBRATION

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

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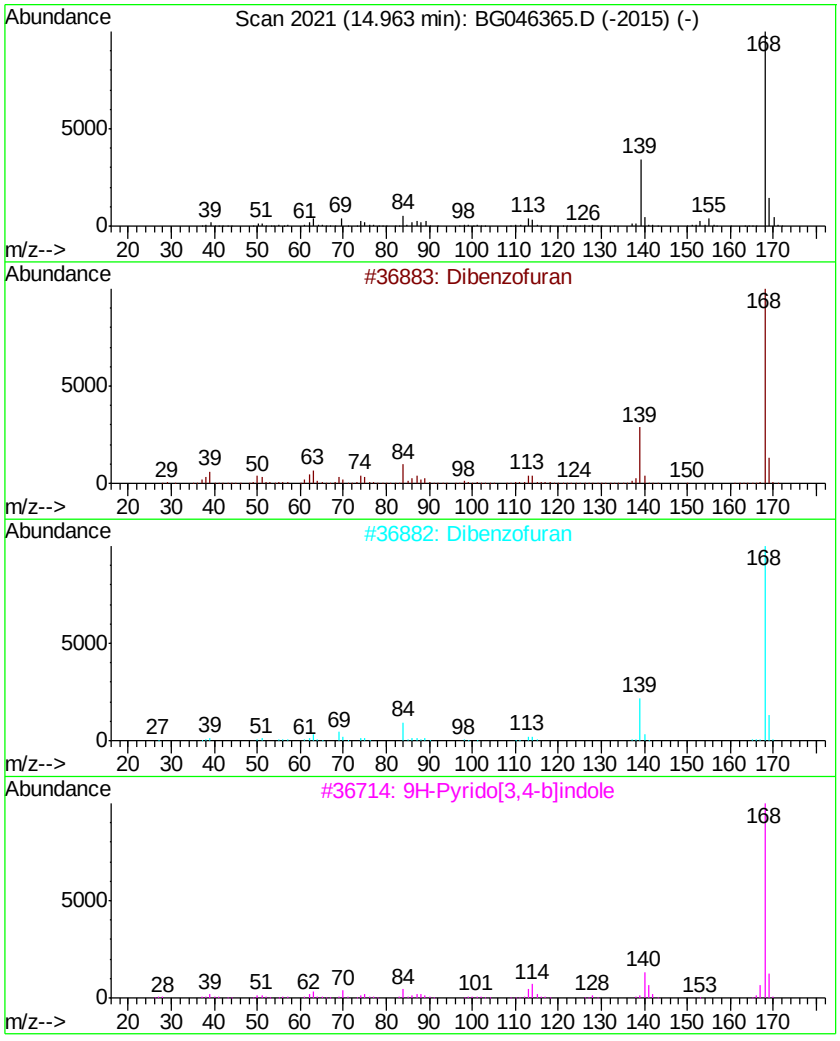
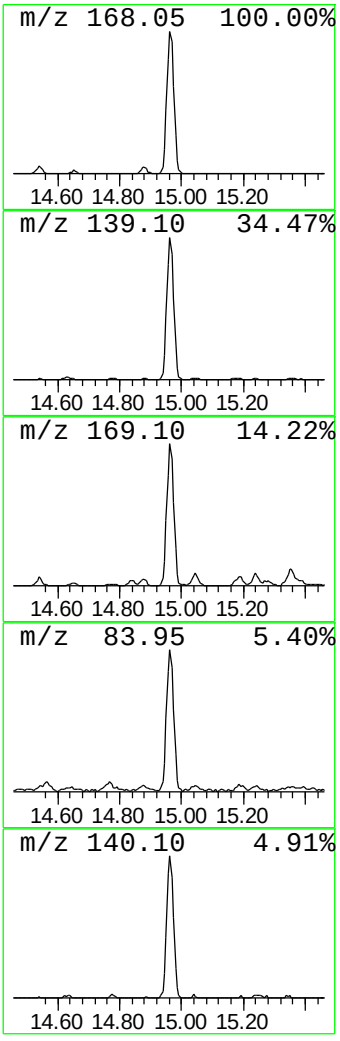
Peak Number 14 Dibenzofuran Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	14.52 ng/ul	1009310	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	90
2	Dibenzofuran	168	C12H8O	000132-64-9	87
3	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	64
4	Thiazolo[3,2-c]pyrimidin-4-ium, ...	168	C7H8N2OS	024614-07-1	59
5	1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	59





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Quant Title : SVOA CALIBRATION

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

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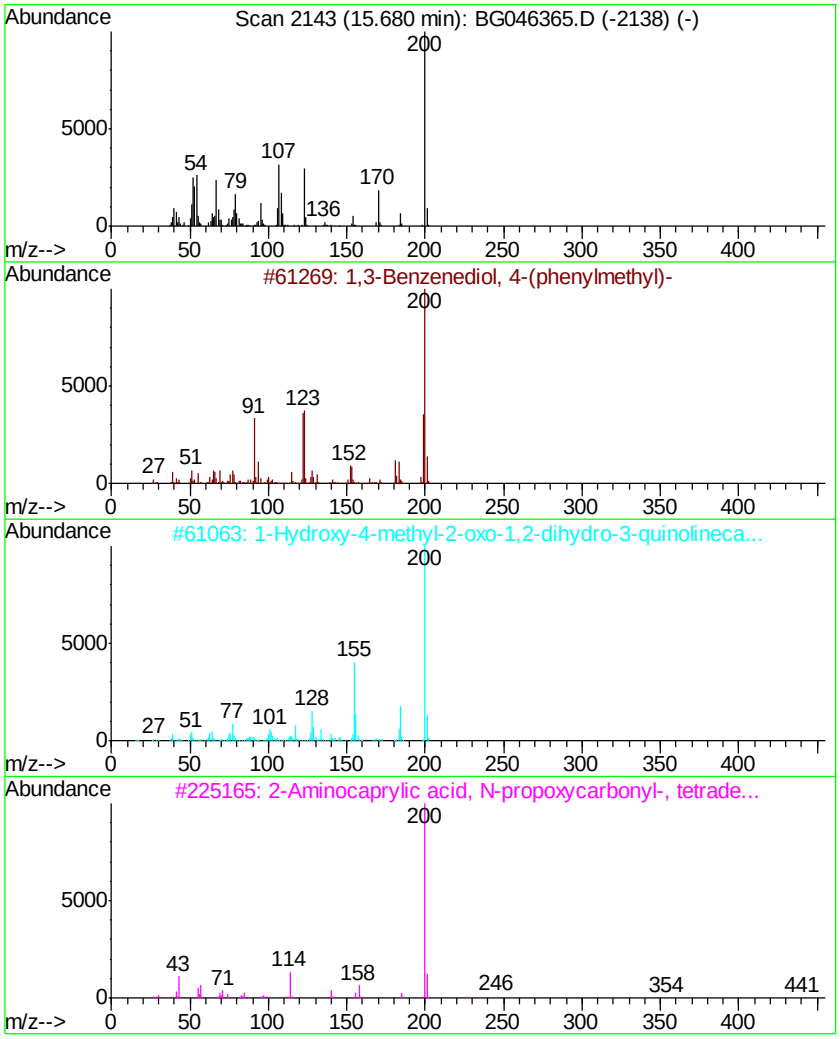
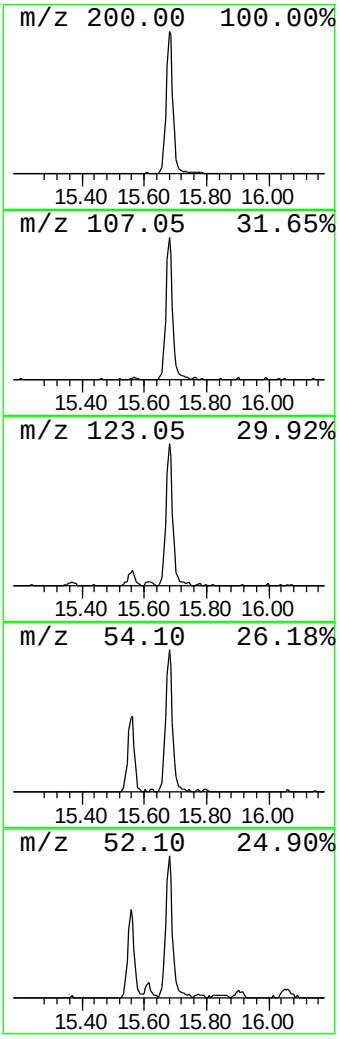
Peak Number 15 unknown-07 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	5.20 ng/ul	361778	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenediol, 4-(phenylmethyl)-	200	C13H12O2	002284-30-2	25
2	1-Hydroxy-4-methyl-2-oxo-1,2-dih...	200	C11H8N2O2	021771-74-4	22
3	2-Aminocaprylic acid, N-propoxyc...	441	C26H51NO4	1000325-43-0	22
4	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	22
5	6-Phenyl-1,6-dihydro-furo[3,4-d]...	200	C11H8N2O2	313263-12-6	17





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Quant Title : SVOA CALIBRATION

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

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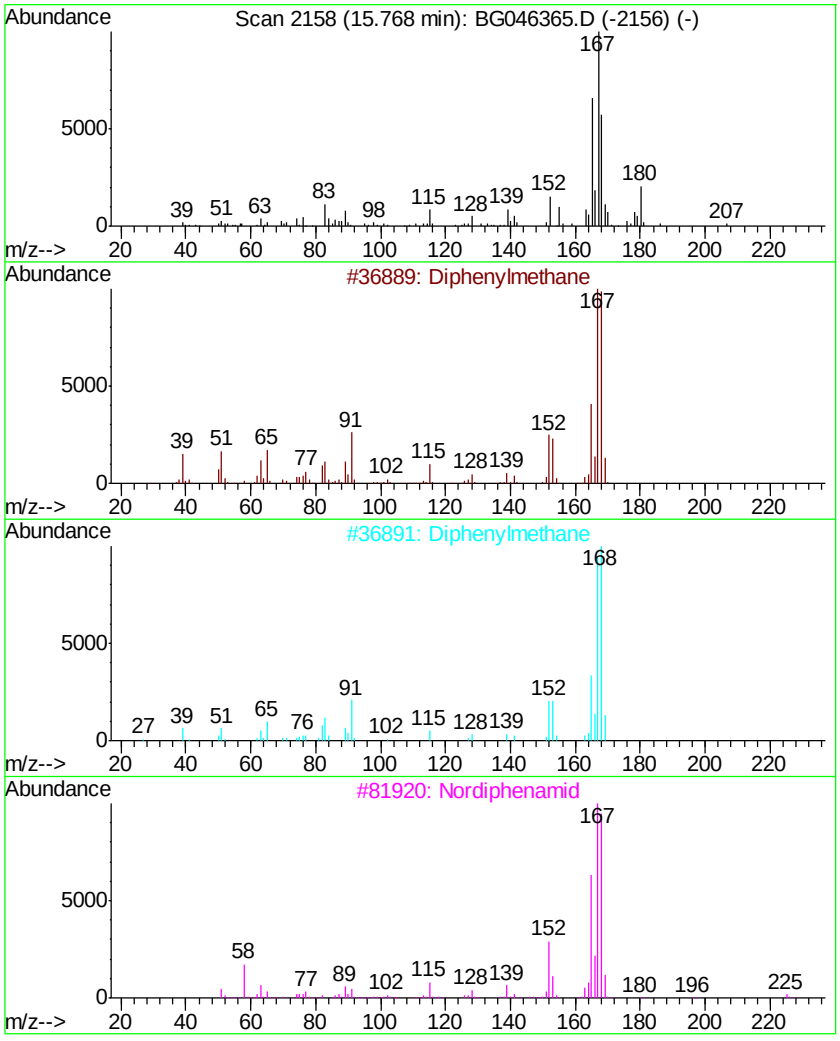
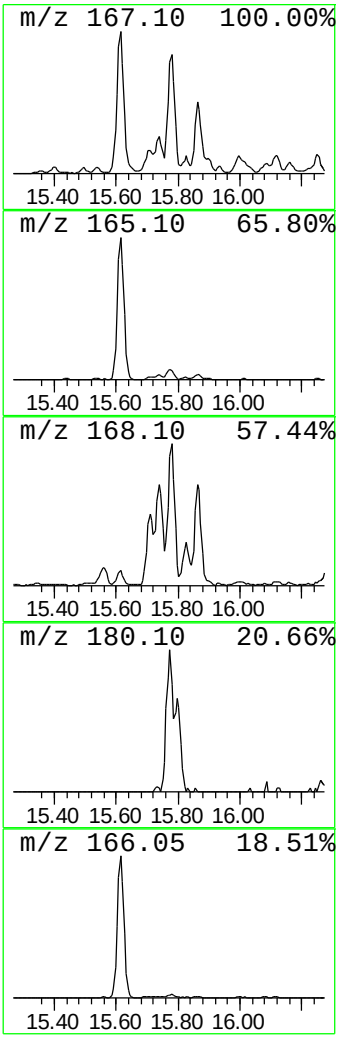
Peak Number 16 Diphenylmethane Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	3.37 ng/ul	234081	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Nordiphenamid	225	C15H15NO	000954-21-2	59
4	Nordiphenamid	225	C15H15NO	000954-21-2	53
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	50





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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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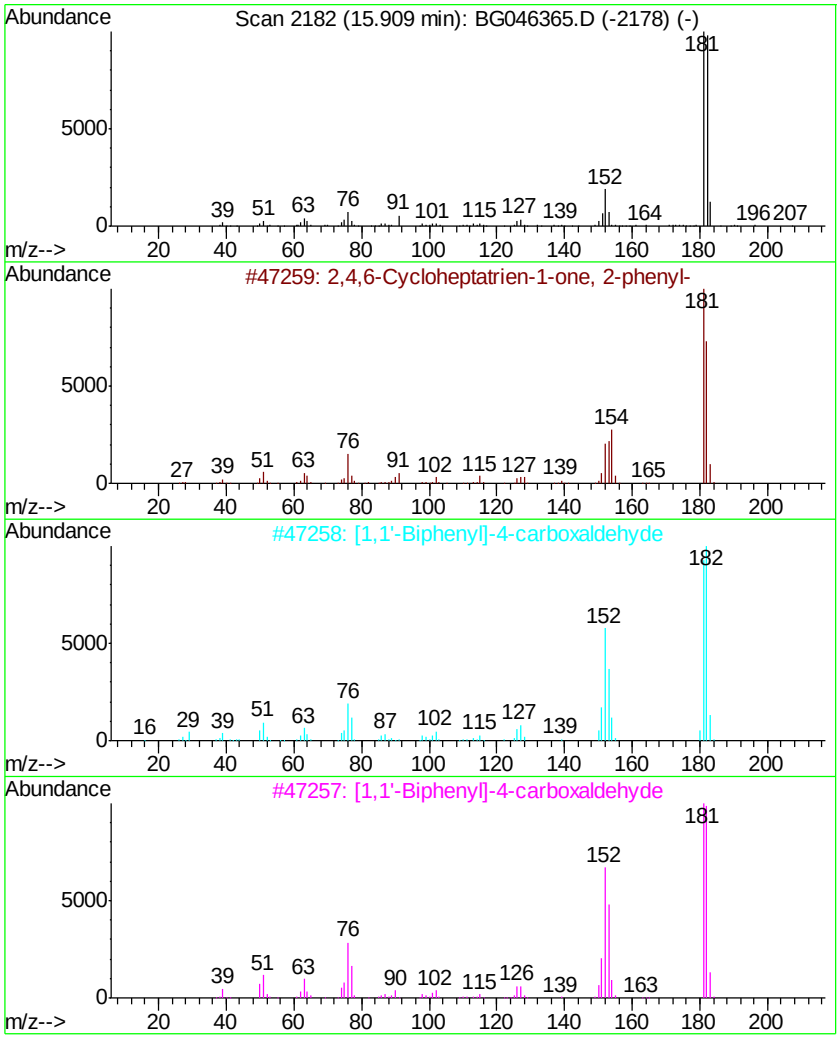
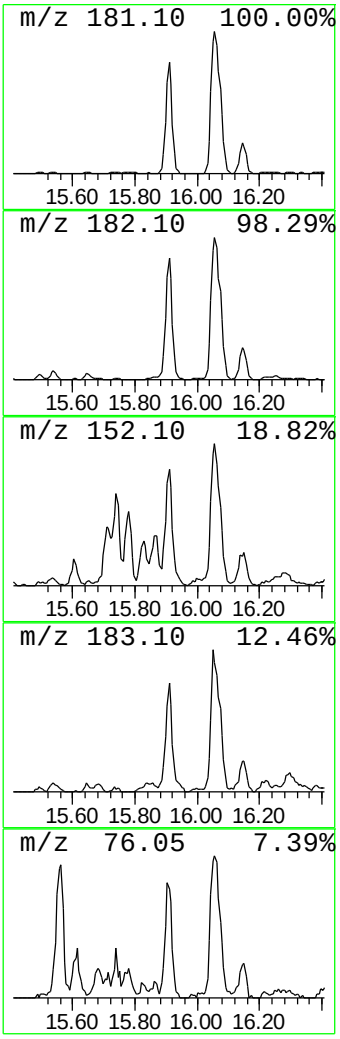
Peak Number 17 2,4,6-Cycloheptatrien-1-one... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	6.09 ng/ul	423370	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Operator : CG/JU
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Misc :
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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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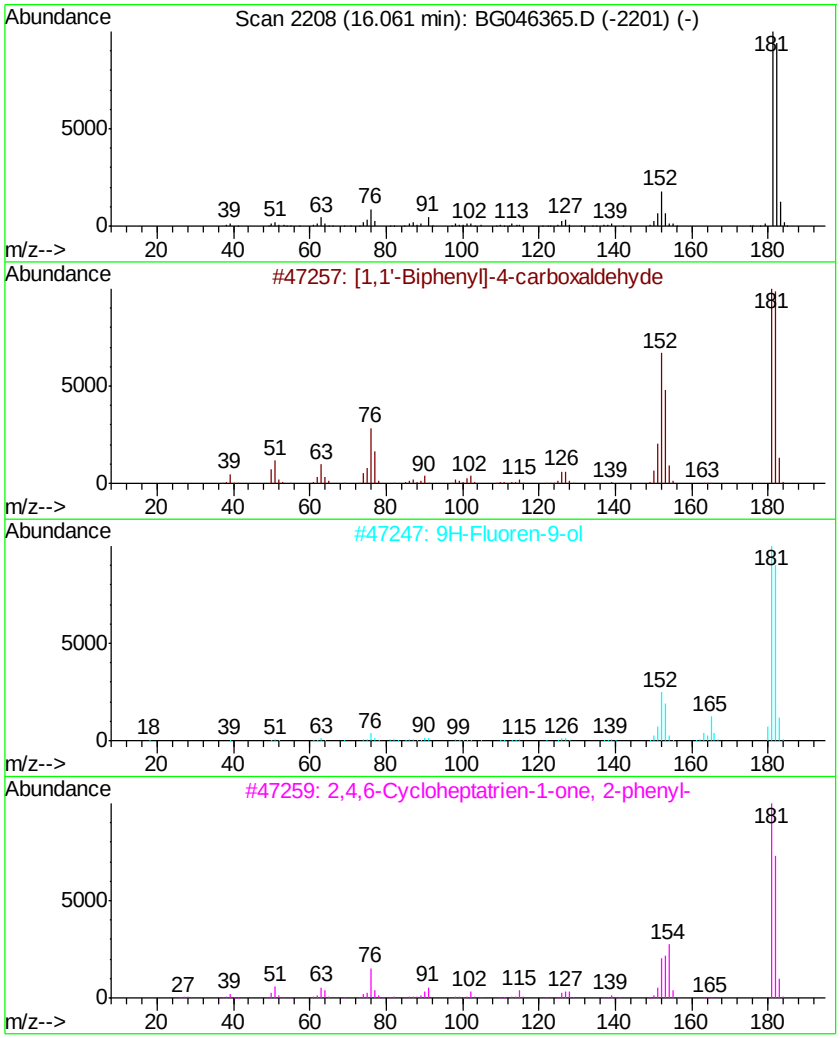
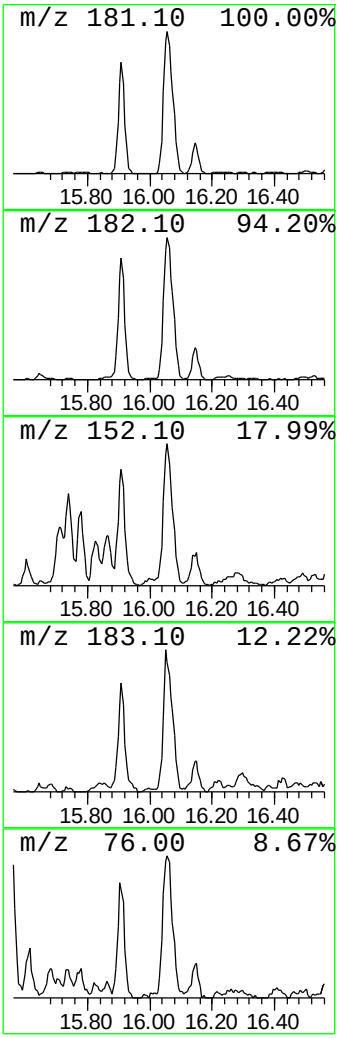
Peak Number 18 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	7.81 ng/ul	645782	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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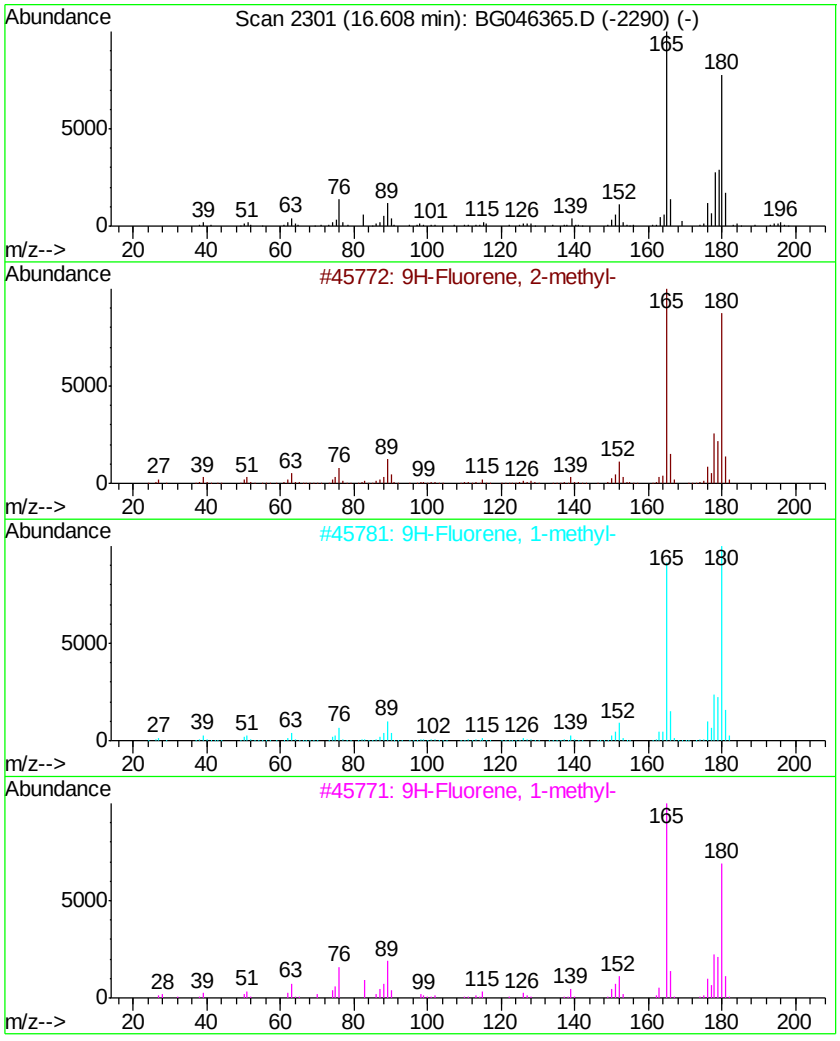
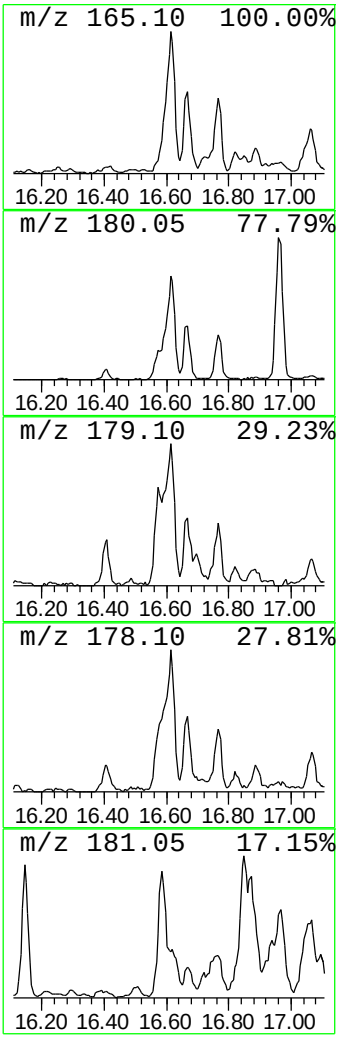
Peak Number 19 9H-Fluorene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	7.80 ng/ul	645023	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94





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Instrument : BNA_G
ClientSampleId : BFMA2

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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 9H-Fluorene, 1-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.37 ng/ul	196047	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74
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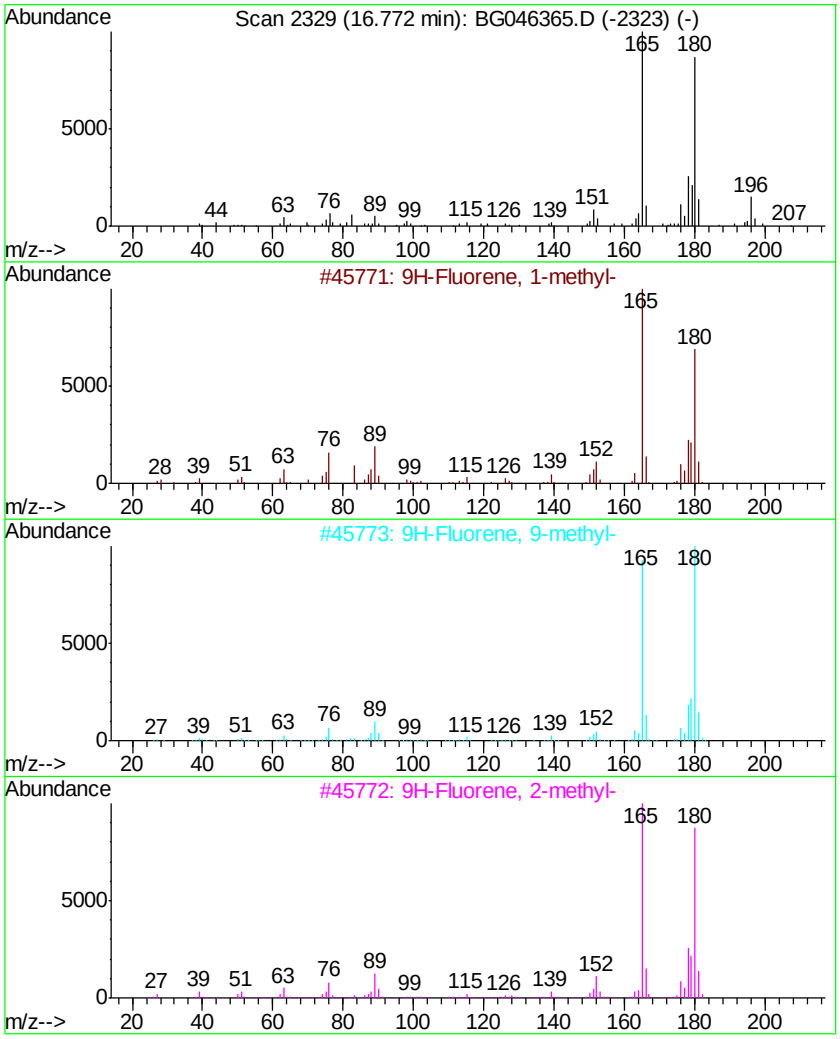

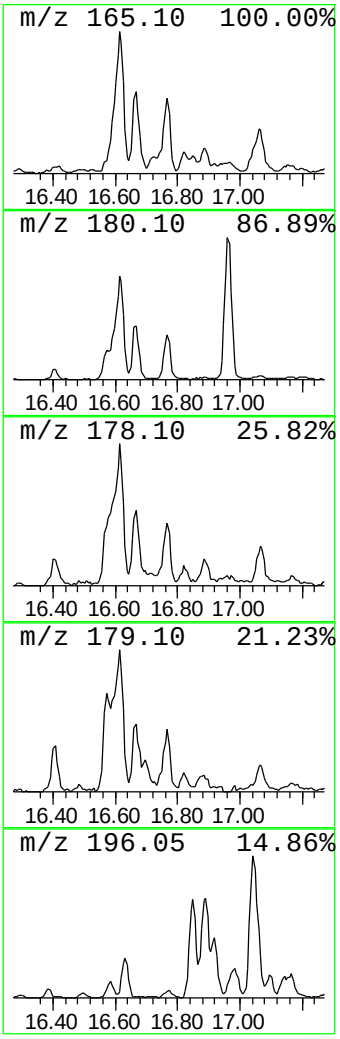

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Operator : CG/JU
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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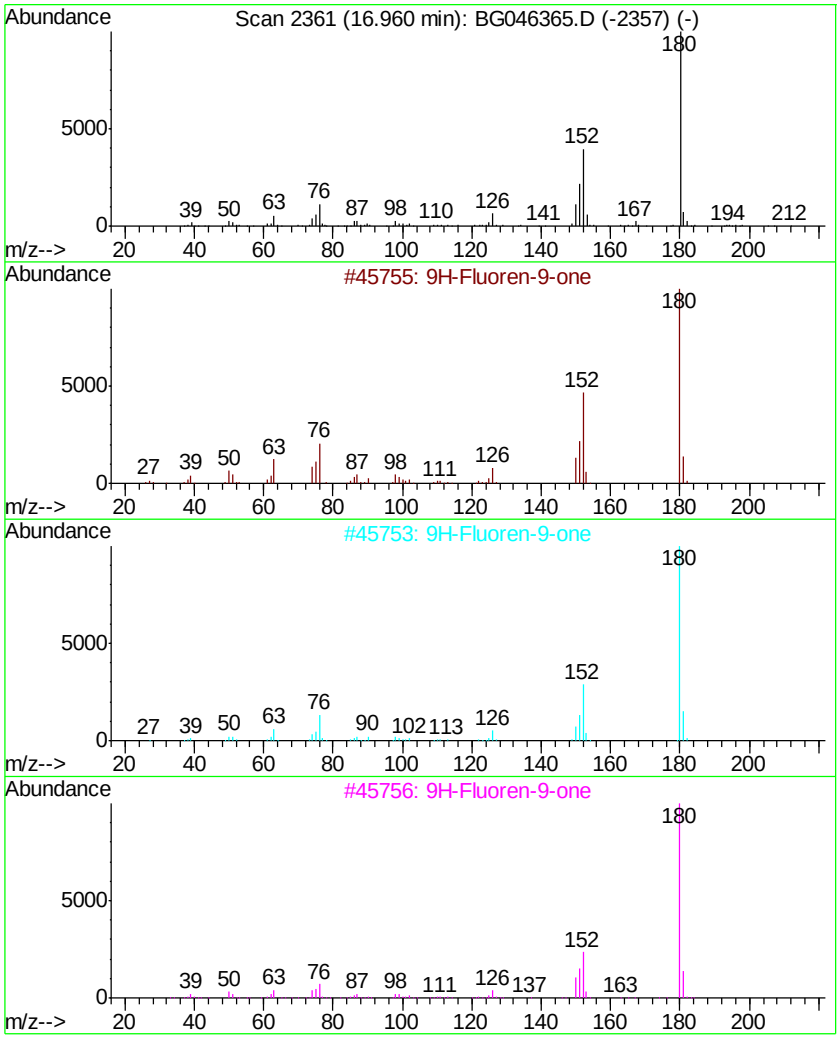
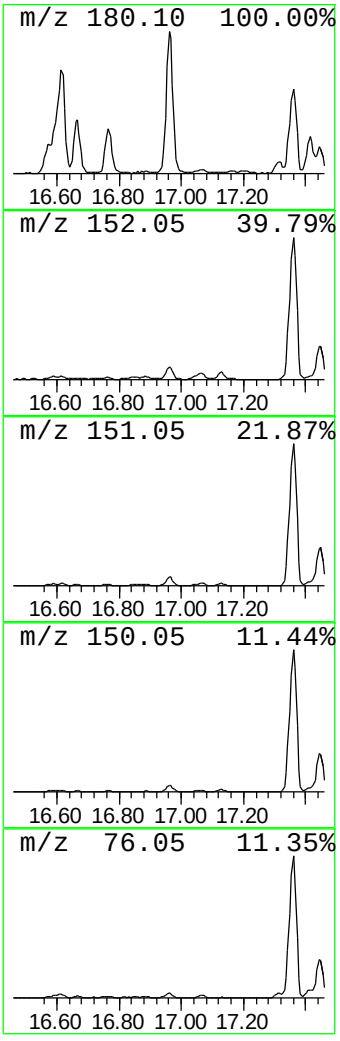
Peak Number 21 9H-Fluoren-9-one Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	4.21 ng/ul	347936	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	56
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	56





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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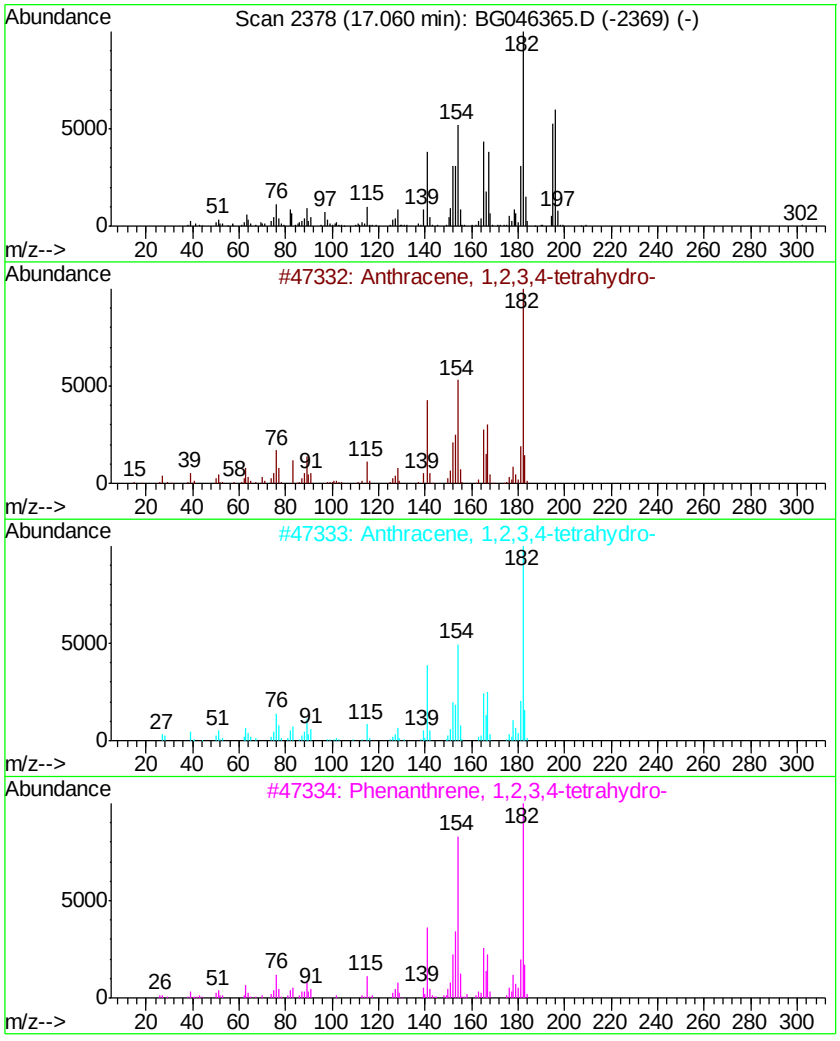
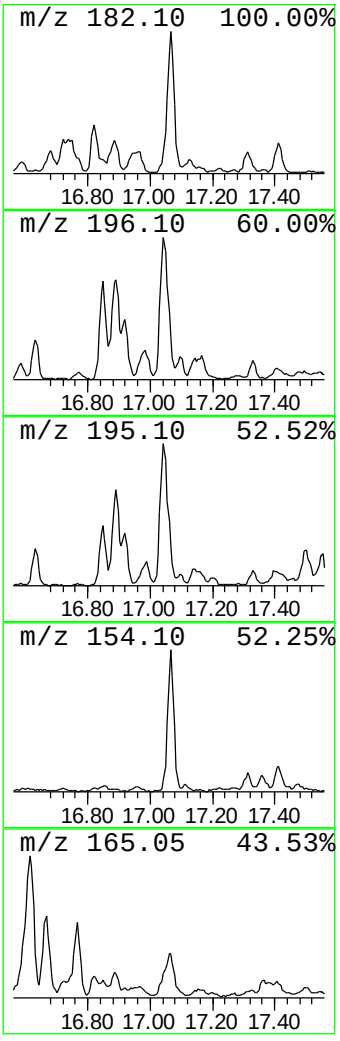
Peak Number 22 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	8.79 ng/ul	726304	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	55
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	47
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	45





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Operator : CG/JU
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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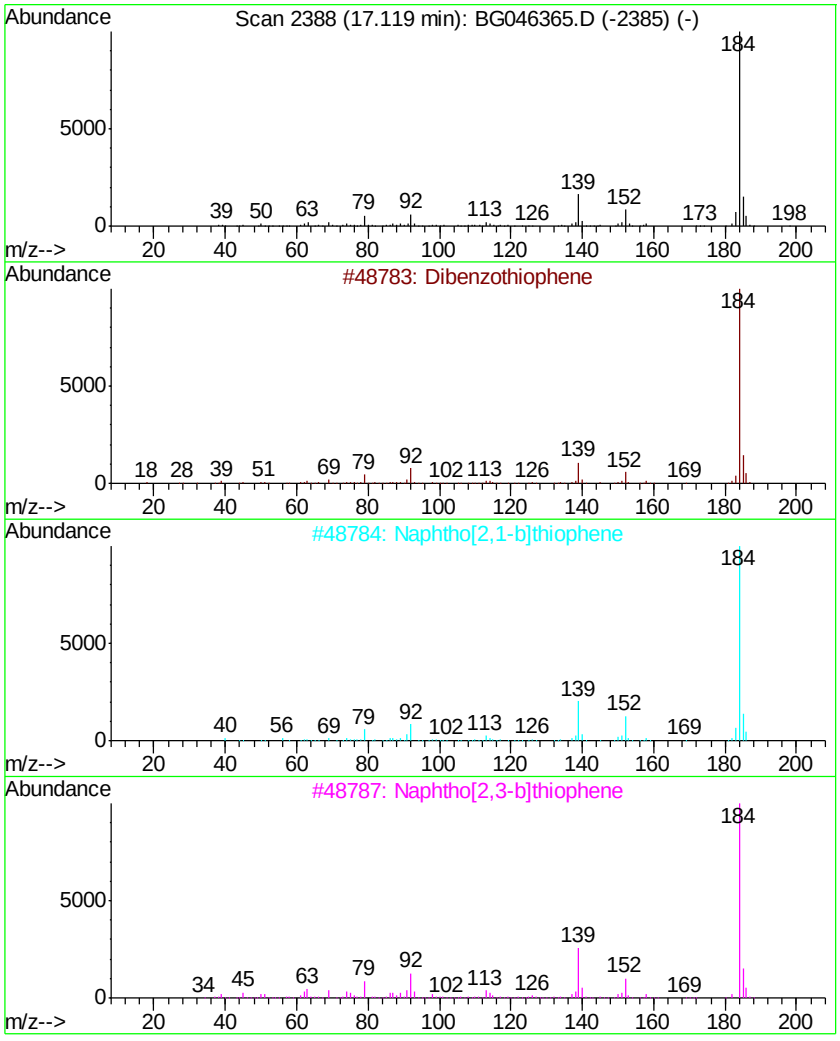
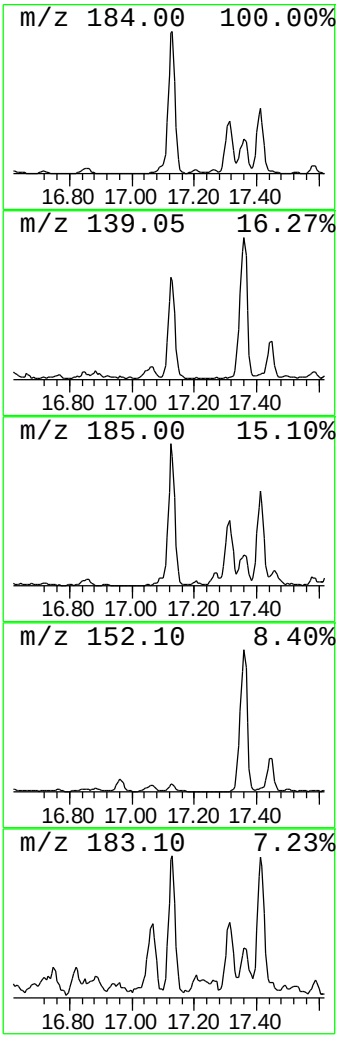
Peak Number 23 Dibenzothiophene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	7.70 ng/ul	636342	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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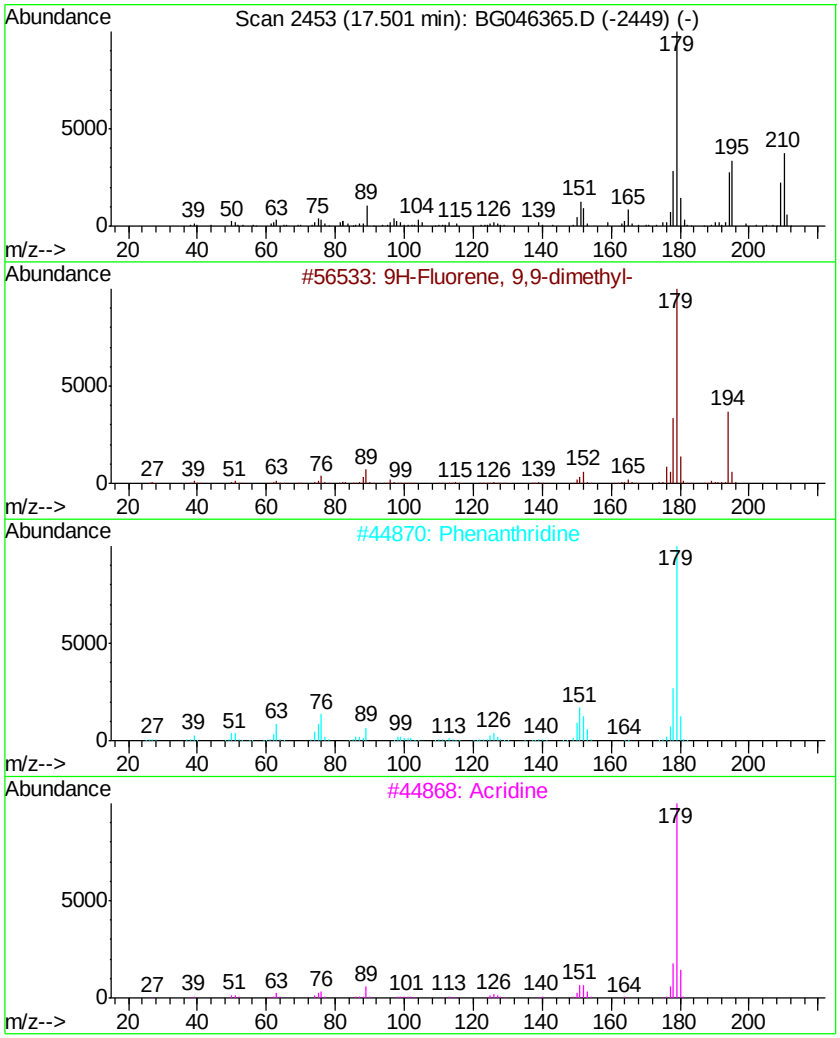
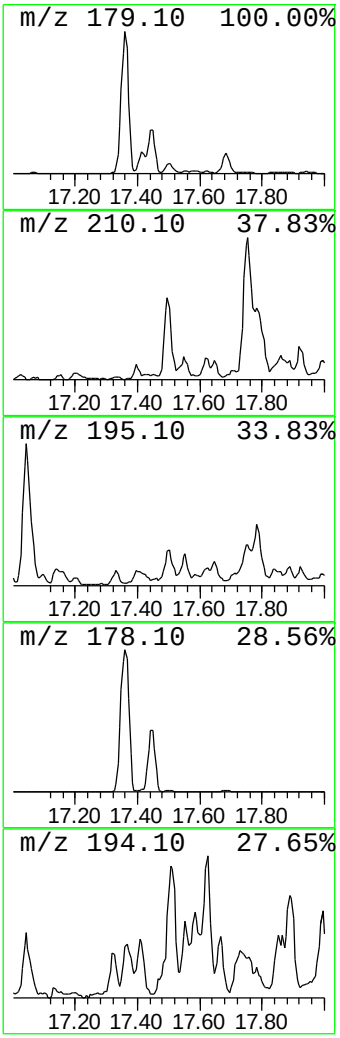
Peak Number 24 9H-Fluorene, 9,9-dimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	2.40 ng/ul	198042	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	70
2	Phenanthridine	179	C13H9N	000229-87-8	60
3	Acridine	179	C13H9N	000260-94-6	60
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	60
5	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	58





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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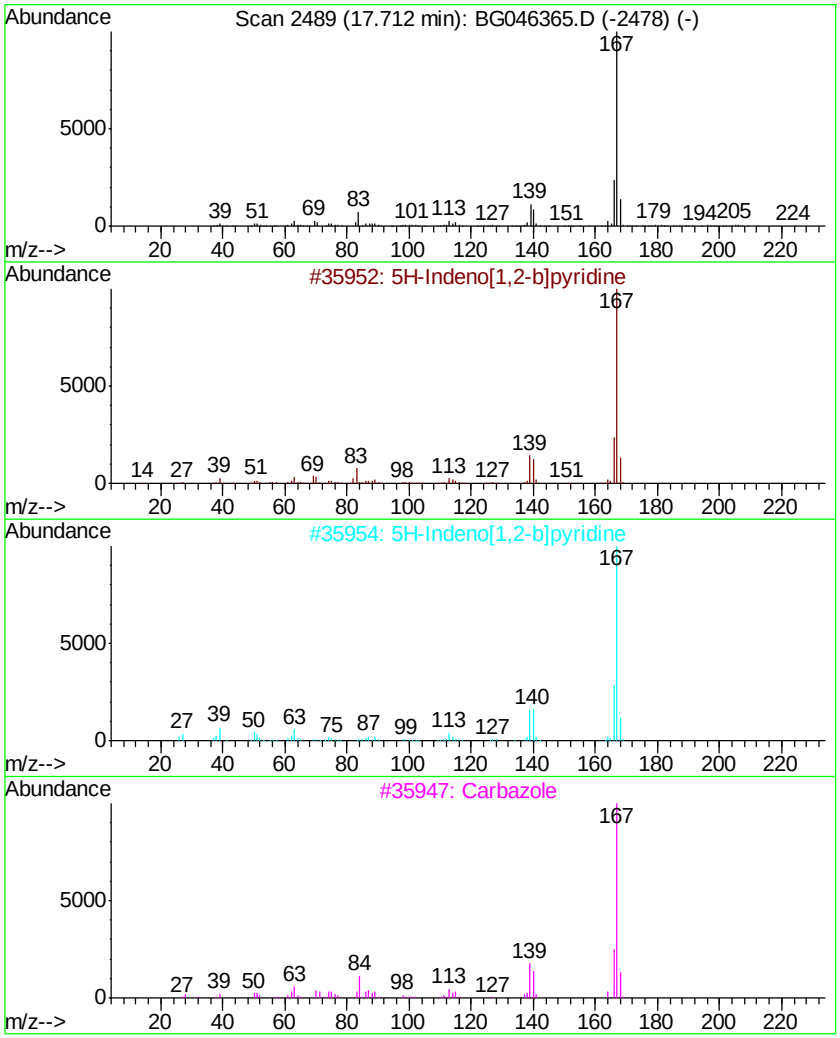
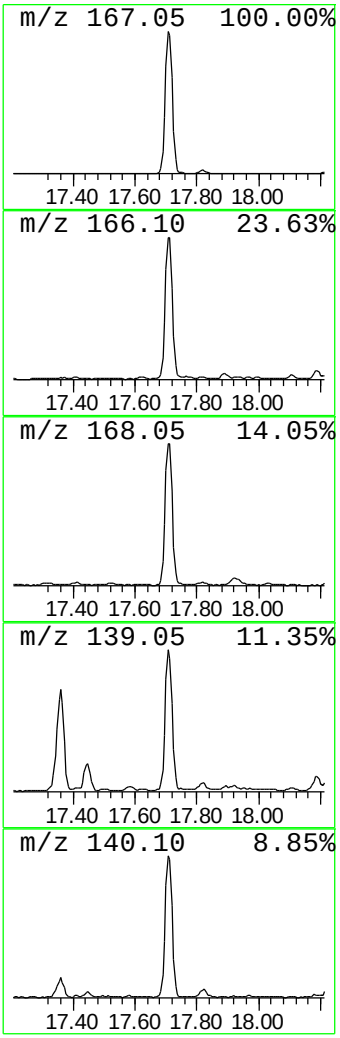
Peak Number 25 5H-Indeno[1,2-b]pyridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	19.88 ng/ul	1643620	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	Carbazole	167	C12H9N	000086-74-8	90
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	90
5	Carbazole	167	C12H9N	000086-74-8	87





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Quant Title : SVOA CALIBRATION

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

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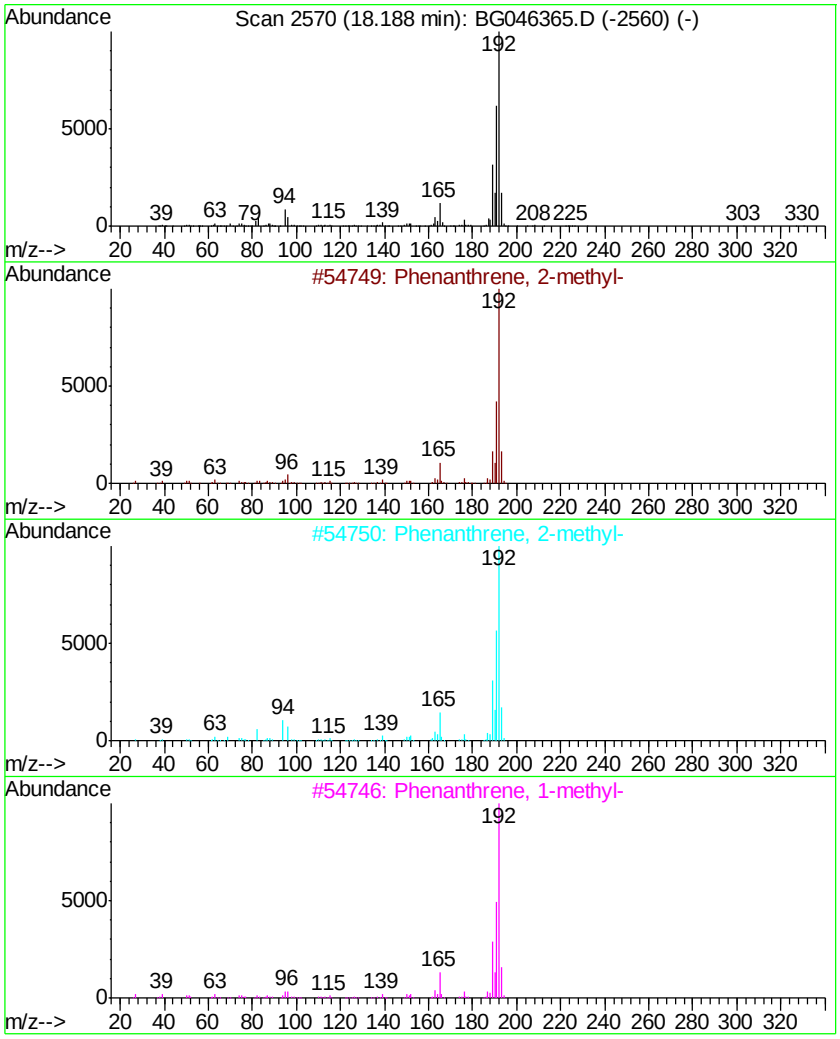
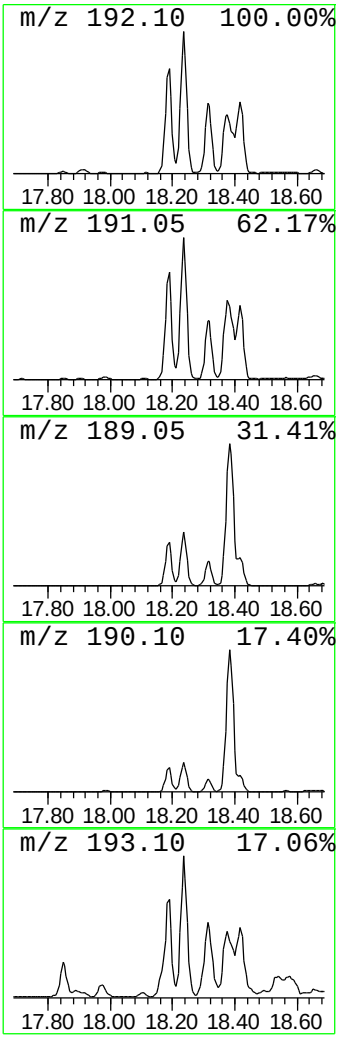
Peak Number 26 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	17.36 ng/ul	1434880	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Instrument : BNA_G
ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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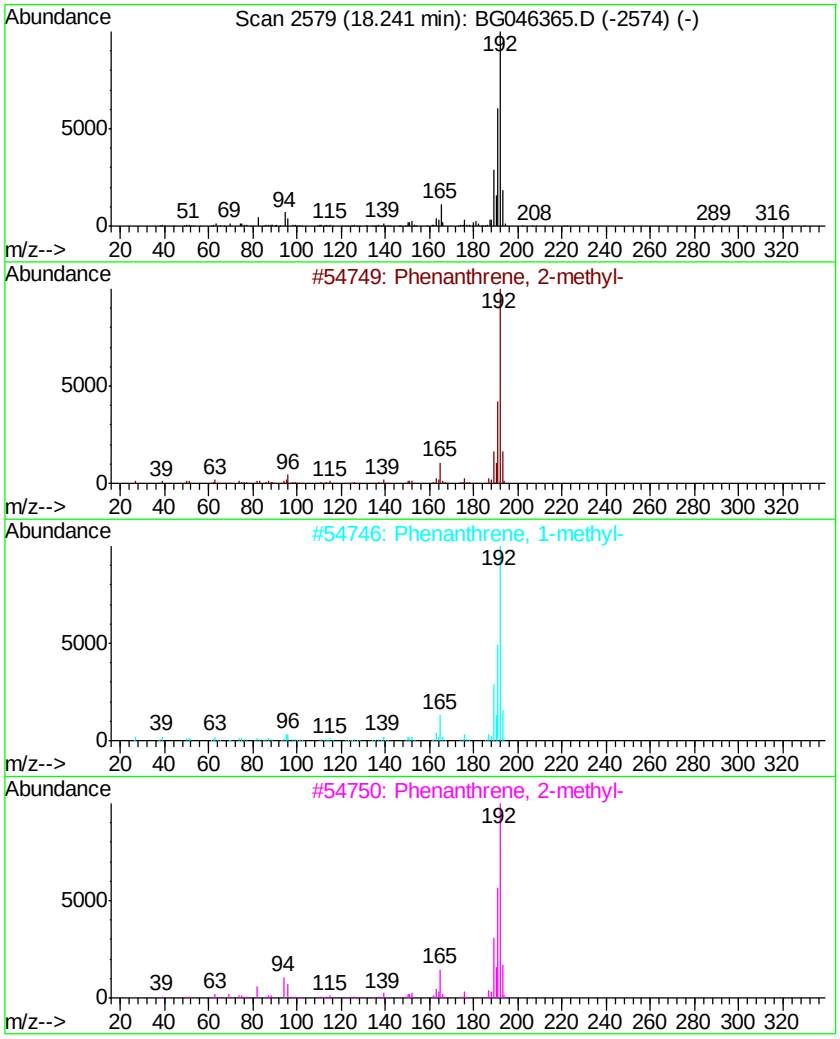
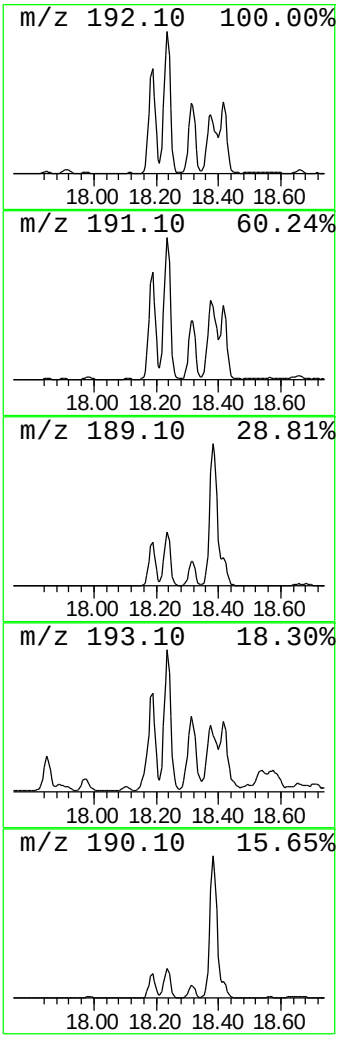
Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	23.56 ng/ul	1947550	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Library Search Compound Report

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Sample : L3633-04
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ClientSampleId : BFMA2

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Quant Title : SVOA CALIBRATION

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

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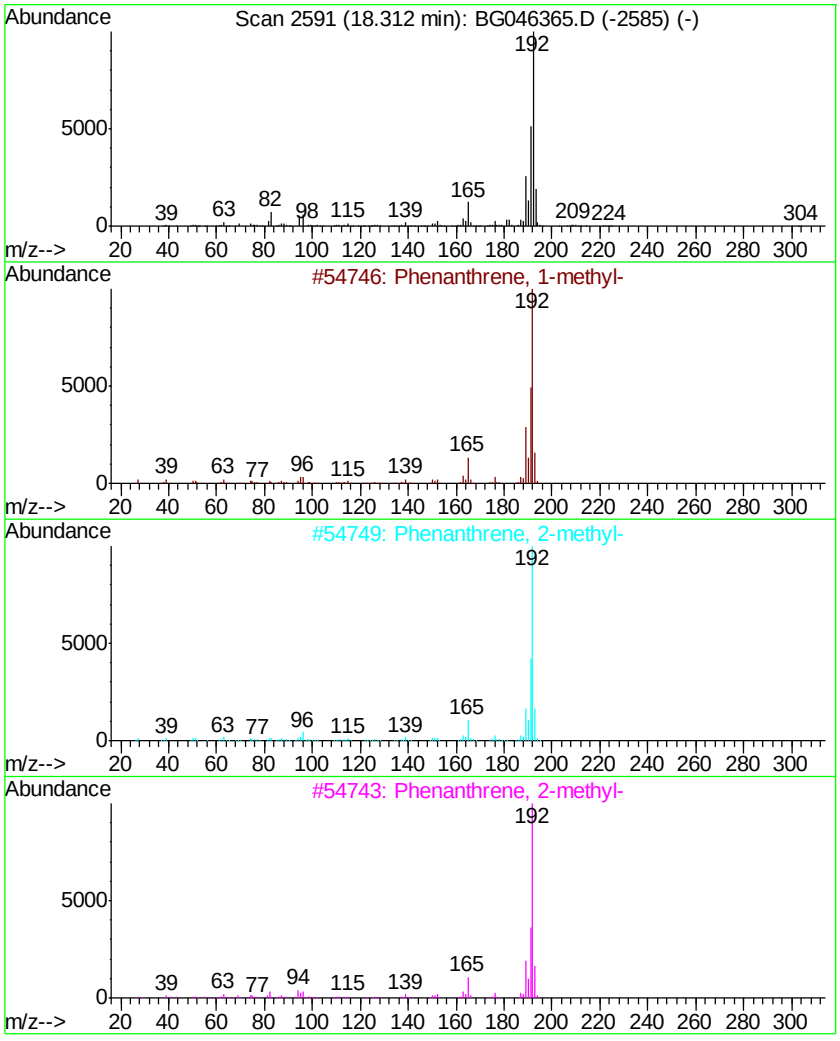
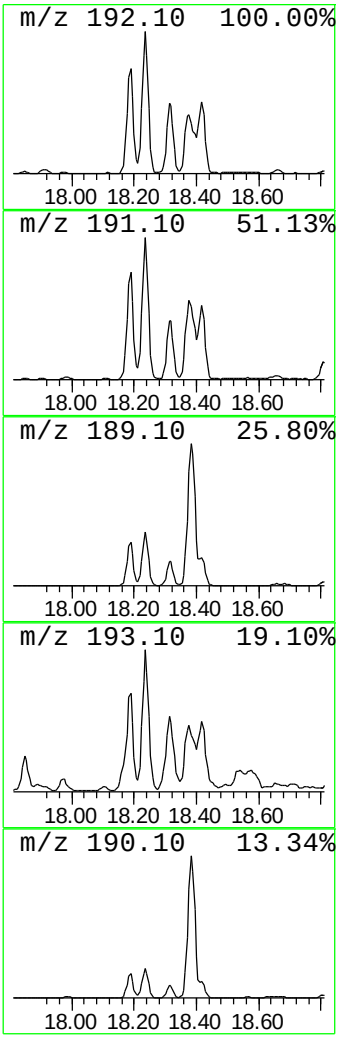
Peak Number 28 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	11.67 ng/ul	964766	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046365.D
Acq On : 20 Aug 2020 4:49
Operator : CG/JU
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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

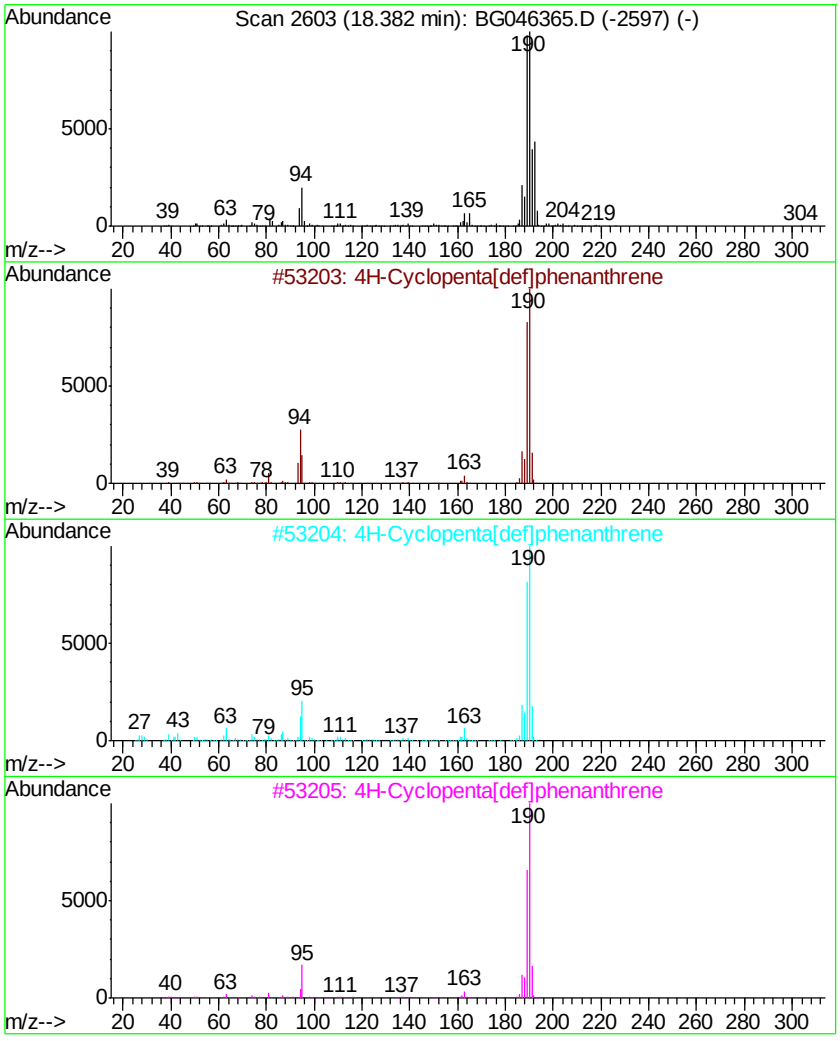
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

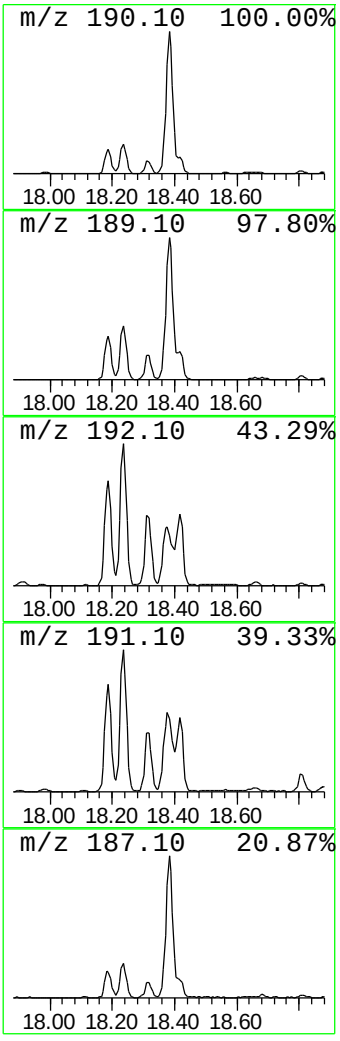
****

Peak Number 29 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	29.23 ng/ul	2416210	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046365.D
Acq On : 20 Aug 2020 4:49
Operator : CG/JU
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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

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

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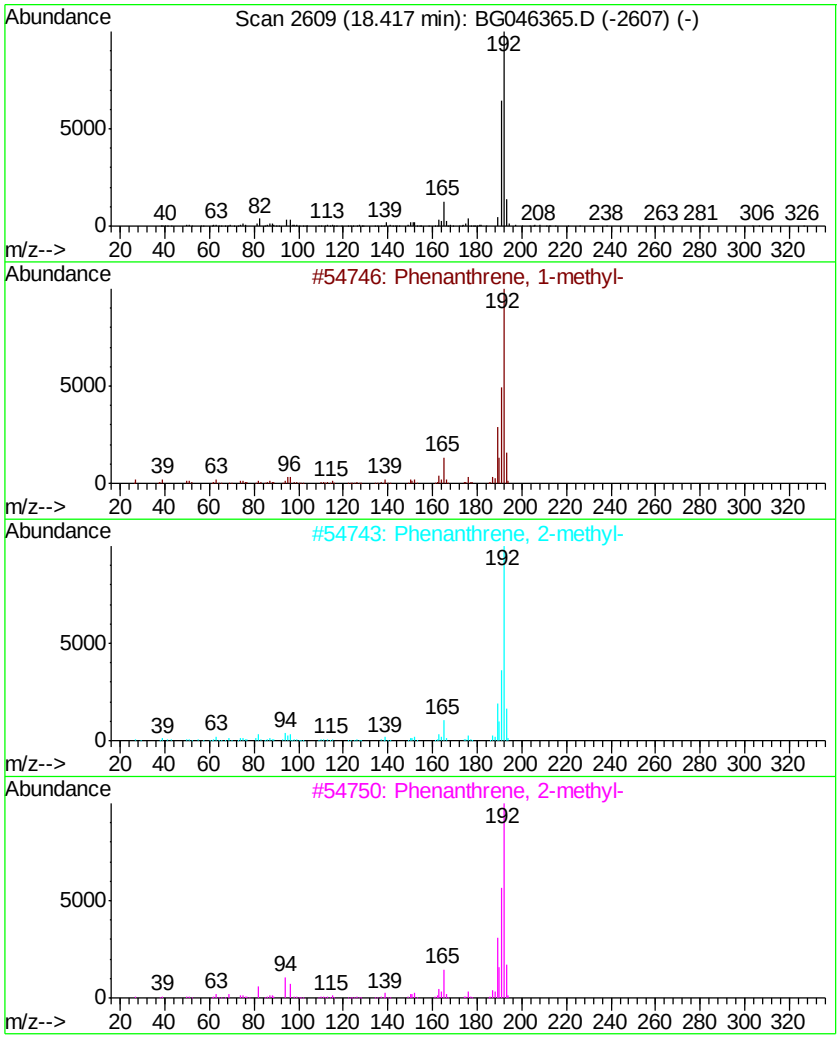
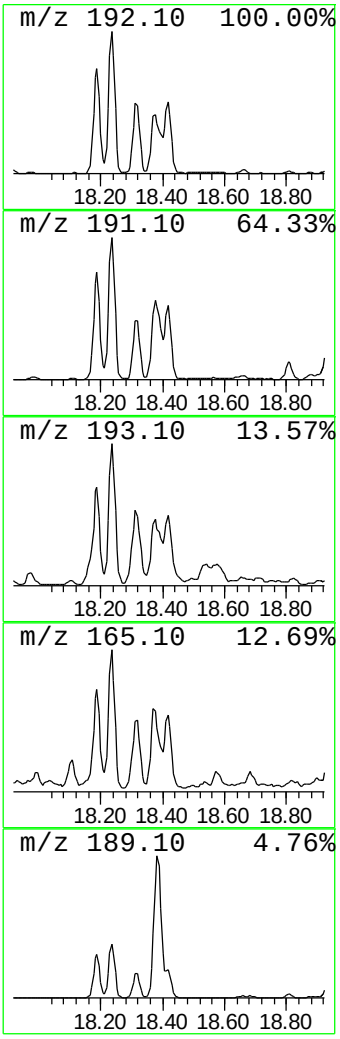
Peak Number 30 Anthracene, 9-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	8.05 ng/ul	665131	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046365.D
Acq On : 20 Aug 2020 4:49
Operator : CG/JU
Sample : L3633-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA2

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	64.6	ng/ul	1897230	1	7.94	587606	20.0
2-Furancarboxylic...	7.11	20.1	ng/ul	591206	1	7.94	587606	20.0
unknown-01	7.27	15.4	ng/ul	452984	1	7.94	587606	20.0
unknown-02	7.47	20.7	ng/ul	608789	1	7.94	587606	20.0
Silane, dichlorom...	8.64	24.6	ng/ul	723836	1	7.94	587606	20.0
1H-Imidazole, 4-m...	9.09	20.1	ng/ul	589424	1	7.94	587606	20.0
unknown-03	9.82	10.9	ng/ul	496713	2	10.73	913722	20.0
unknown-04	10.86	13.0	ng/ul	595852	2	10.73	913722	20.0
Naphthalene, 1-me...	12.61	4.5	ng/ul	206601	2	10.73	913722	20.0
Naphthalene, 2,7-...	13.89	3.1	ng/ul	217634	3	14.57	1390670	20.0
unknown-05	13.97	19.1	ng/ul	1325730	3	14.57	1390670	20.0
Dimethyl phthalate	14.02	7.0	ng/ul	487329	3	14.57	1390670	20.0
unknown-06	14.76	5.3	ng/ul	365190	3	14.57	1390670	20.0
Dibenzofuran	14.96	14.5	ng/ul	1009310	3	14.57	1390670	20.0
unknown-07	15.68	5.2	ng/ul	361778	3	14.57	1390670	20.0
Diphenylmethane	15.77	3.4	ng/ul	234081	3	14.57	1390670	20.0
2,4,6-Cycloheptat...	15.91	6.1	ng/ul	423370	3	14.57	1390670	20.0
[1,1'-Biphenyl]-4...	16.06	7.8	ng/ul	645782	4	17.31	1653460	20.0
9H-Fluorene, 2-me...	16.61	7.8	ng/ul	645023	4	17.31	1653460	20.0
9H-Fluorene, 1-me...	16.77	2.4	ng/ul	196047	4	17.31	1653460	20.0
9H-Fluoren-9-one	16.96	4.2	ng/ul	347936	4	17.31	1653460	20.0
Anthracene, 1,2,3...	17.06	8.8	ng/ul	726304	4	17.31	1653460	20.0
Dibenzothiophene	17.12	7.7	ng/ul	636342	4	17.31	1653460	20.0
9H-Fluorene, 9,9-...	17.50	2.4	ng/ul	198042	4	17.31	1653460	20.0
5H-Indeno[1,2-b]p...	17.71	19.9	ng/ul	1643620	4	17.31	1653460	20.0
Phenanthrene, 2-m...	18.19	17.4	ng/ul	1434880	4	17.31	1653460	20.0
Phenanthrene, 1-m...	18.24	23.6	ng/ul	1947550	4	17.31	1653460	20.0
Anthracene, 2-met...	18.31	11.7	ng/ul	964766	4	17.31	1653460	20.0
4H-Cyclopenta[def...	18.38	29.2	ng/ul	2416210	4	17.31	1653460	20.0
Anthracene, 9-met...	18.42	8.1	ng/ul	665131	4	17.31	1653460	20.0