LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046414.D
Acq On : 21 Aug 2020 15:20
Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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	5	9	30	rVB	1629493	2678486	49.53%	4.439%
2	3.916	136	141	148	rVV	31327	49166	0.91%	0.081%
3	4.051	159	164	171	rVB2	17532	28683	0.53%	0.048%
4	5.050	330	334	339	rBV	14903	20869	0.39%	0.035%
5	7.112	676	685	699	rBV	275192	497790	9.20%	0.825%
6	7.265	704	711	722	rVV	213210	352644	6.52%	0.584%
7	7.477	740	747	756	rBV	289453	490110	9.06%	0.812%
8	7.941	818	826	835	rBV	288942	485298	8.97%	0.804%
9	8.652	939	947	956	rBV	341174	601629	11.12%	0.997%
10	8.758	961	965	972	rVB2	10140	21338	0.39%	0.035%
11	9.092	1012	1022	1033	rBV	270660	472478	8.74%	0.783%
12	9.815	1138	1145	1159	rVB	226293	403081	7.45%	0.668%
13	10.362	1229	1238	1249	rBV	376517	688545	12.73%	1.141%
14	10.738	1291	1302	1308	rBV	412023	735072	13.59%	1.218%
15	10.785	1308	1310	1317	rVB	28194	39518	0.73%	0.065%
16	10.867	1317	1324	1336	rBV	210126	418530	7.74%	0.694%
17	12.395	1578	1584	1592	rVB	20146	34347	0.64%	0.057%
18	12.612	1615	1621	1629	rVB2	17115	28819	0.53%	0.048%
19	13.405	1751	1756	1762	rVB3	17393	24037	0.44%	0.040%
20	13.893	1833	1839	1844	rBV2	21664	38282	0.71%	0.063%
21	13.975	1844	1853	1857	rVV	709147	1034371	19.13%	1.714%
22	14.022	1857	1861	1866	rVV	124249	182705	3.38%	0.303%
23	14.128	1872	1879	1883	rVV4	11212	23058	0.43%	0.038%
24	14.263	1894	1902	1919	rBV	842322	1452078	26.85%	2.407%
25	14.568	1945	1954	1960	rBV	671800	1060063	19.60%	1.757%
26	14.633	1960	1965	1972	rVV	105438	161496	2.99%	0.268%
27	14.774	1983	1989	1998	rBV	232060	425241	7.86%	0.705%
28	14.868	2001	2005	2009	rVV5	13667	33692	0.62%	0.056%
29	14.909	2009	2012	2017	rVV4	16938	32421	0.60%	0.054%
30	14.968	2017	2022	2029	rVV	52346	98626	1.82%	0.163%
31	15.050	2031	2036	2041	rVV2	15423	26200	0.48%	0.043%
32	15.191	2053	2060	2064	rBV3	15116	30990	0.57%	0.051%
33	15.244	2064	2069	2074	rVB3	16284	27377	0.51%	0.045%
34	15.368	2082	2090	2097	rBV8	14703	47882	0.89%	0.079%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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	15.432	2097	2101	2108	rVV3	17595	30383	0.56%	0.050%
36	15.561	2116	2123	2129	rVV	1115499	1694096	31.32%	2.808%
37	15.614	2129	2132	2138	rVV	81418	134904	2.49%	0.224%
38	15.679	2138	2143	2151	rVV	137389	252944	4.68%	0.419%
39	15.738	2151	2153	2157	rVV2	28351	41878	0.77%	0.069%
40	15.779	2157	2160	2165	rVV3	31996	66361	1.23%	0.110%
41	15.832	2165	2169	2173	rVV5	22639	47740	0.88%	0.079%
42	15.908	2178	2182	2191	rVB	37054	70779	1.31%	0.117%
43	16.061	2201	2208	2215	rVB	35492	79769	1.47%	0.132%
44	16.143	2215	2222	2230	rVB7	13749	32453	0.60%	0.054%
45	16.290	2241	2247	2255	rBV4	47628	90772	1.68%	0.150%
46	16.431	2266	2271	2275	rBV8	10832	20286	0.38%	0.034%
47	16.625	2292	2304	2308	rBV5	29265	82030	1.52%	0.136%
48	16.666	2308	2311	2317	rVB4	15907	28494	0.53%	0.047%
49	16.719	2317	2320	2323	rBV5	17026	23910	0.44%	0.040%
50	16.830	2334	2339	2340	rBV4	15553	22925	0.42%	0.038%
51	16.848	2340	2342	2345	rVV3	27693	36113	0.67%	0.060%
52	16.889	2346	2349	2353	rVB2	30757	43607	0.81%	0.072%
53	16.966	2357	2362	2370	rVB2	109039	178688	3.30%	0.296%
54	17.048	2371	2376	2378	rBV3	31830	52259	0.97%	0.087%
55	17.130	2386	2390	2399	rVB	62807	109480	2.02%	0.181%
56	17.312	2415	2421	2425	rBV	804024	1277521	23.62%	2.117%
57	17.353	2425	2428	2433	rVB	1210058	1746763	32.30%	2.895%
58	17.412	2433	2438	2442	rBV	1136551	1636210	30.25%	2.712%
59	17.500	2449	2453	2460	rVB2	63349	101236	1.87%	0.168%
60	17.630	2472	2475	2479	rVB4	23163	31003	0.57%	0.051%
61	17.712	2481	2489	2494	rBV2	110334	225446	4.17%	0.374%
62	17.829	2505	2509	2514	rVB2	76202	112001	2.07%	0.186%
63	17.894	2516	2520	2528	rVB6	45547	73379	1.36%	0.122%
64	18.111	2553	2557	2560	rVB2	25120	34556	0.64%	0.057%
65	18.188	2566	2570	2573	rBV	172078	277614	5.13%	0.460%
66	18.235	2573	2578	2582	rVV	290647	549090	10.15%	0.910%
67	18.282	2582	2586	2589	rVV	278938	361661	6.69%	0.599%
68	18.317	2589	2592	2597	rVB	87190	121977	2.26%	0.202%
69	18.387	2597	2604	2607	rBV2	298222	561791	10.39%	0.931%
70	18.423	2607	2610	2616	rVB	147031	202587	3.75%	0.336%
71	18.687	2650	2655	2658	rBV	234702	322643	5.97%	0.535%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	18.722	2658	2661	2667	rVB	237444	348330	6.44%	0.577%
73	18.934	2694	2697	2701	rVB2	61714	71789	1.33%	0.119%
74	18.987	2702	2706	2710	rBV2	120614	181466	3.36%	0.301%
75	19.104	2722	2726	2731	rBV2	191223	316299	5.85%	0.524%
76	19.239	2745	2749	2758	rVB	221529	368829	6.82%	0.611%
77	19.369	2765	2771	2777	rVB	2491560	3460228	63.98%	5.735%
78	19.516	2792	2796	2800	rBV	170333	227717	4.21%	0.377%
79	19.704	2822	2828	2830	rBV2	1712315	2811761	51.99%	4.660%
80	19.733	2830	2833	2840	rVV	2516982	3478388	64.32%	5.765%
81	19.798	2841	2844	2849	rVV2	107723	166577	3.08%	0.276%
82	19.903	2860	2862	2868	rVB	102941	115367	2.13%	0.191%
83	19.962	2868	2872	2878	rVB	193878	325612	6.02%	0.540%
84	20.044	2882	2886	2887	rBV	184998	230470	4.26%	0.382%
85	20.221	2912	2916	2921	rVB	386507	553742	10.24%	0.918%
86	20.321	2929	2933	2937	rBV	258564	388468	7.18%	0.644%
87	20.379	2939	2943	2947	rVB2	296668	437605	8.09%	0.725%
88	20.520	2964	2967	2970	rVB	145684	168331	3.11%	0.279%
89	20.561	2971	2974	2979	rVB	187405	250979	4.64%	0.416%
90	20.973	3041	3044	3051	rVB	300962	434072	8.03%	0.719%
91	21.196	3079	3082	3084	rBV2	212748	233161	4.31%	0.386%
92	21.231	3084	3088	3095	rVB3	540020	1058142	19.57%	1.754%
93	21.554	3137	3143	3149	rBV3	1853469	4129282	76.35%	6.844%
94	21.613	3149	3153	3162	rVB	1485140	2464334	45.57%	4.084%
95	21.766	3174	3179	3184	rBV	281963	540141	9.99%	0.895%
96	21.960	3208	3212	3219	rBV3	253878	473792	8.76%	0.785%
97	23.717	3502	3511	3518	rBV	1554735	5408219	100.00%	8.964%
98	23.957	3548	3552	3560	rVB	493097	1052240	19.46%	1.744%
99	24.416	3623	3630	3637	rBV	849527	2327393	43.03%	3.857%
100	24.563	3648	3655	3665	rVB	1758466	4792588	88.62%	7.943%

Sum of corrected areas: 60335593

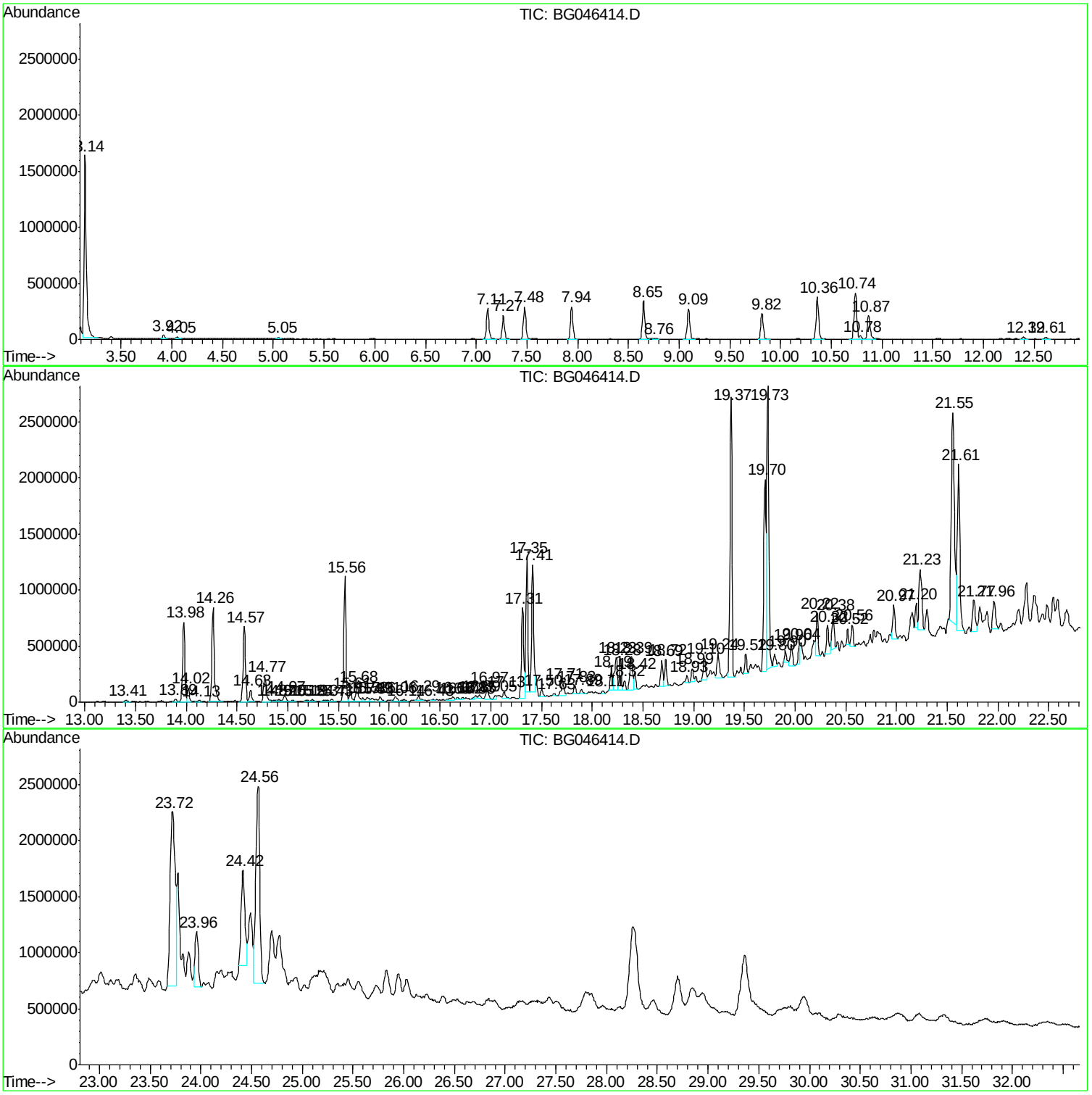
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046414.D
Acq On : 21 Aug 2020 15:20
Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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 : BG046414.D
Acq On : 21 Aug 2020 15:20
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Instrument : BNA_G
ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

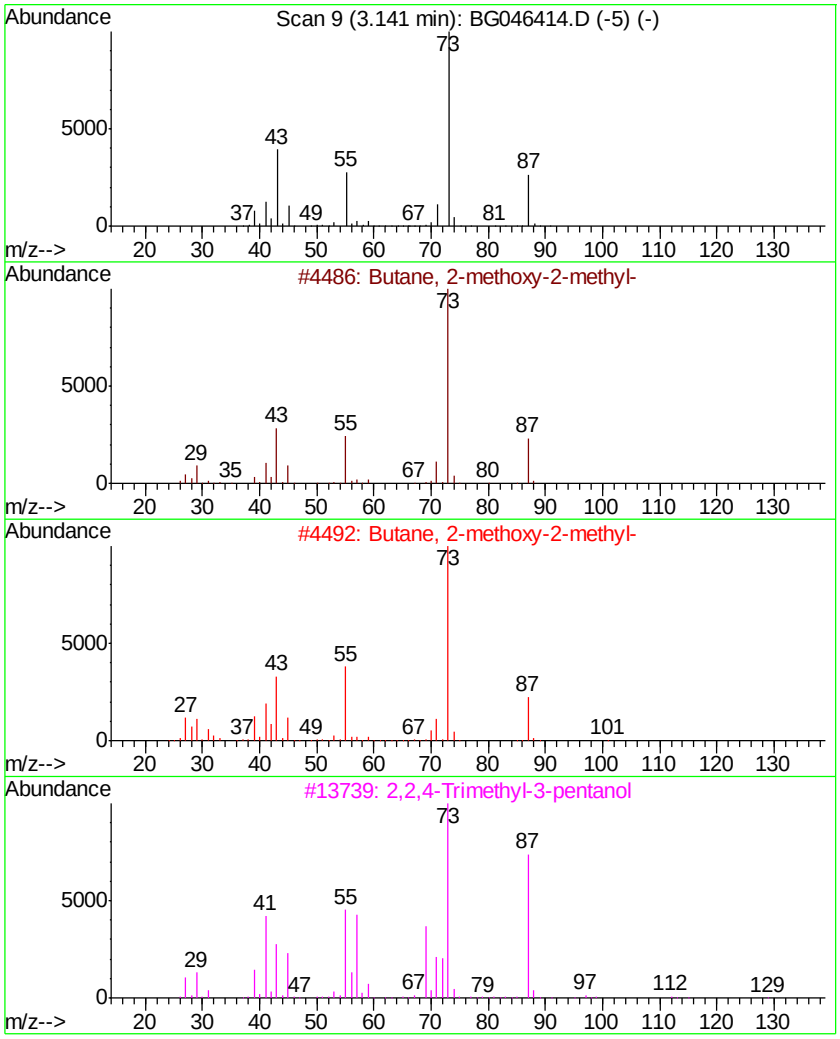
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

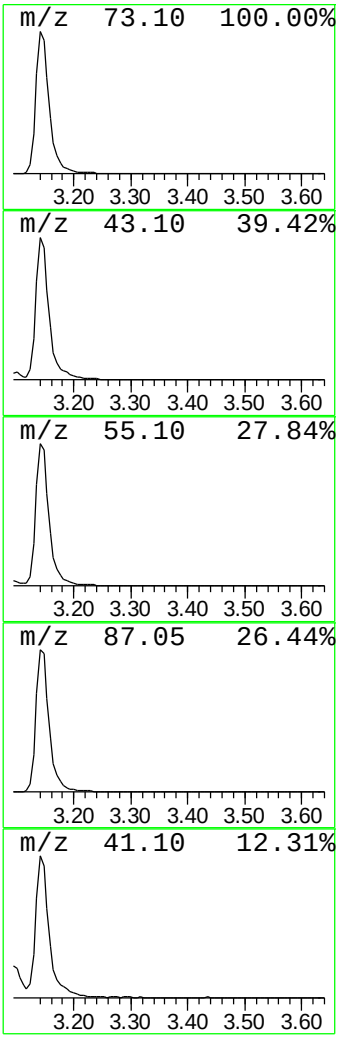
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	110.39 ng/ul	2678490	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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

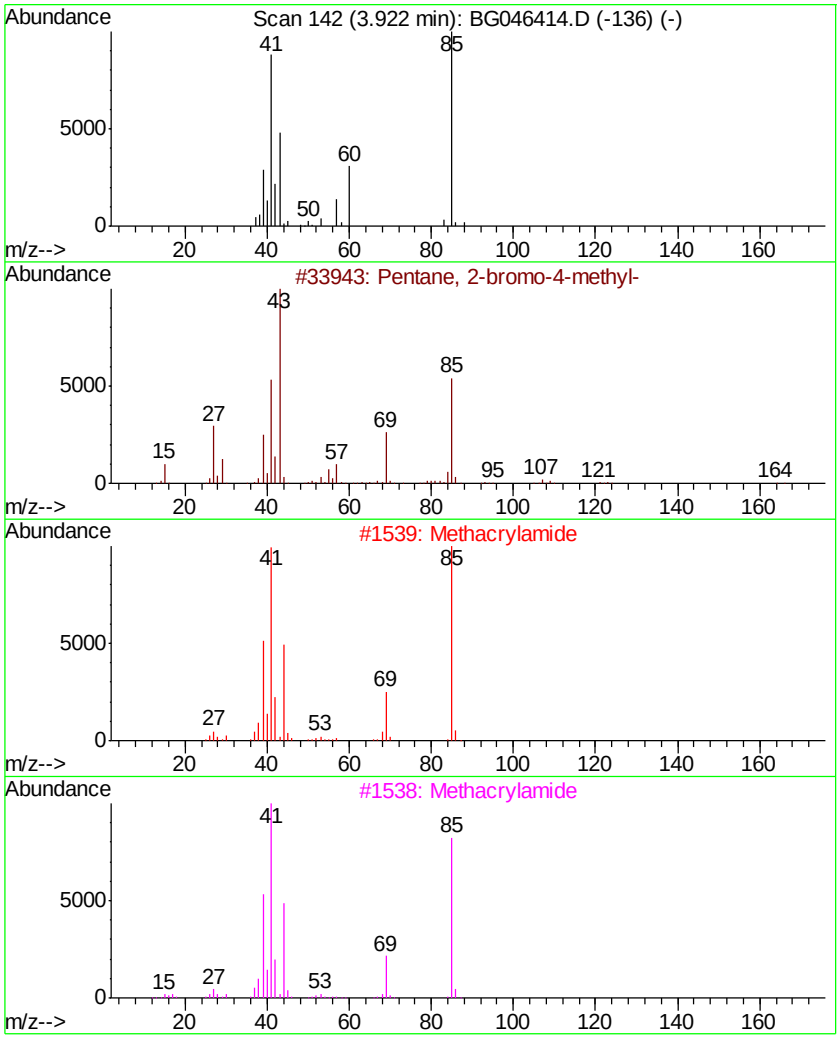
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

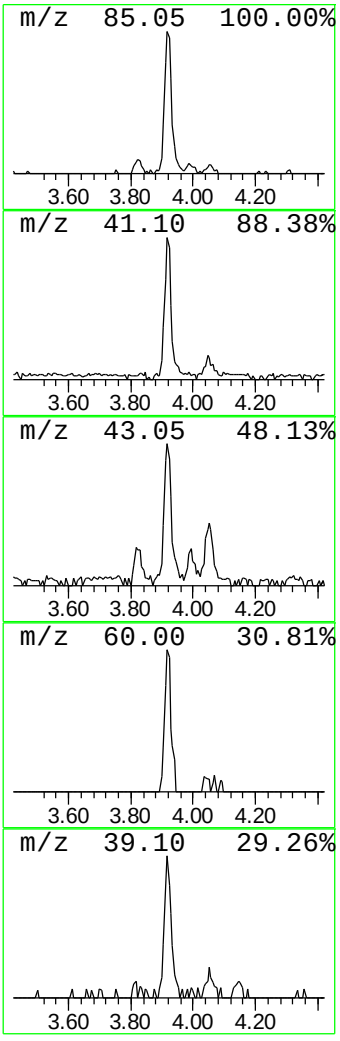
****

Peak Number 2 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	2.03 ng/ul	49166	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	38
2	Methacrylamide	85	C4H7NO	000079-39-0	36
3	Methacrylamide	85	C4H7NO	000079-39-0	36
4	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	9
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Instrument : BNA_G
ClientSampleId : BFMJ5

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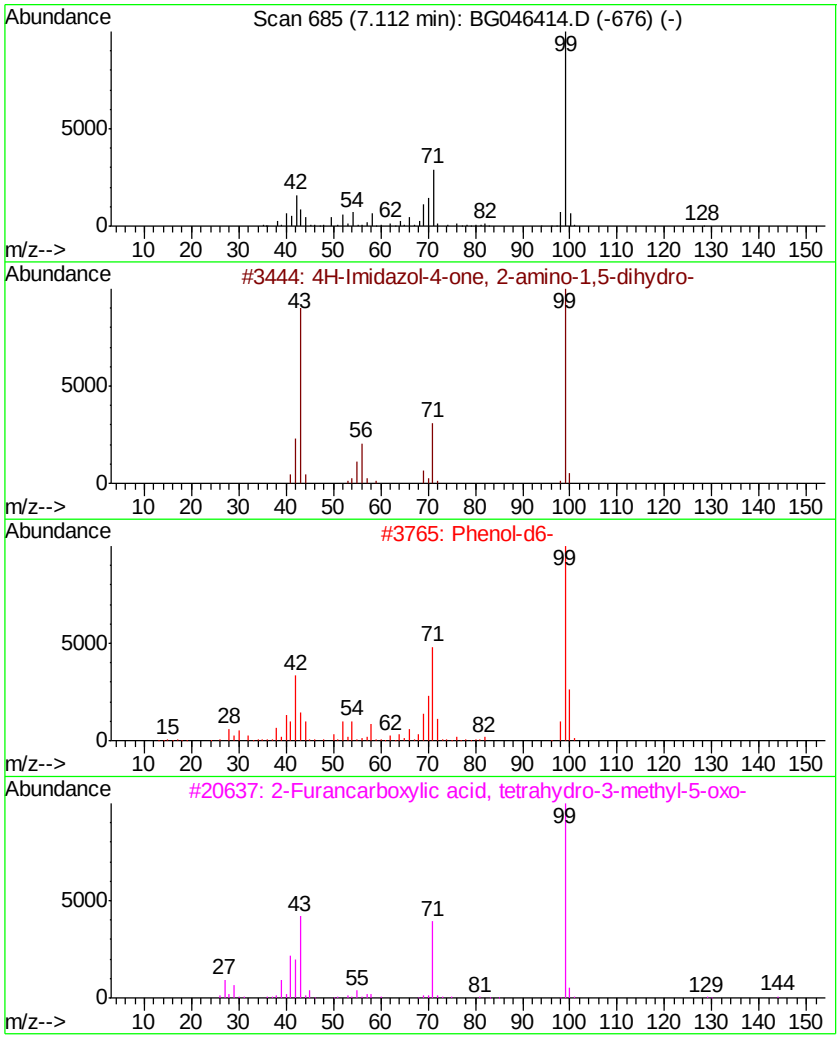
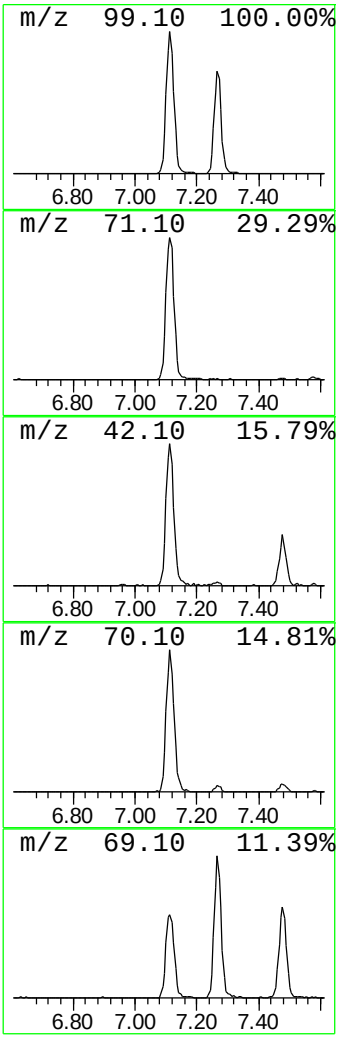
Peak Number 3 4H-Imidazol-4-one, 2-amino-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	20.51 ng/ul	497790	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	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	47
5	Succinimide	99	C4H5NO2	000123-56-8	40





Library Search Compound Report

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Acq On : 21 Aug 2020 15:20
Operator : CG/JU
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Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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

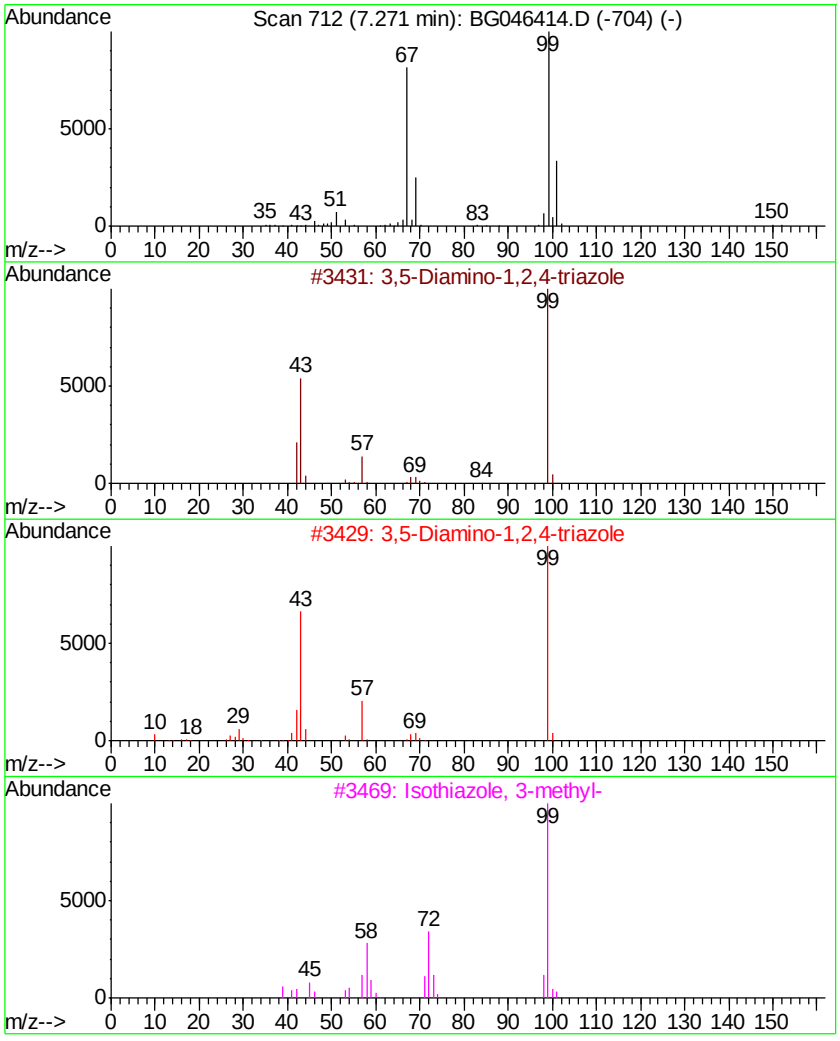
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

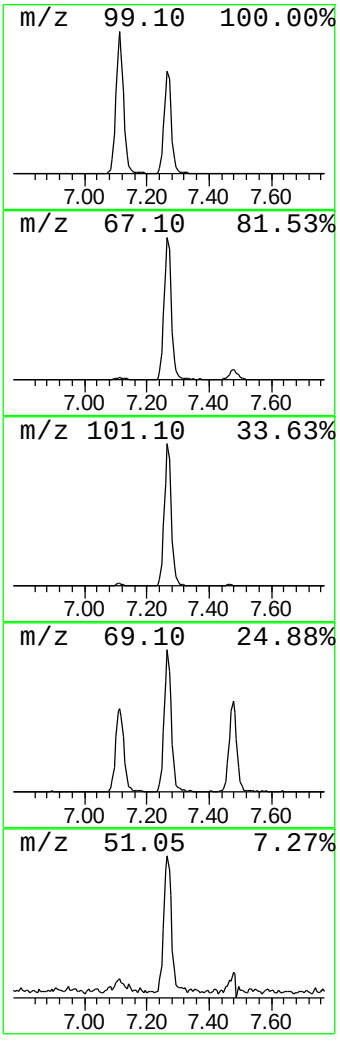
****

Peak Number 4 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	14.53 ng/ul	352644	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	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
3	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
4	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
5	Succinimide	99	C4H5NO2	000123-56-8	5





Library Search Compound Report

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Data File : BG046414.D
Acq On : 21 Aug 2020 15:20
Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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

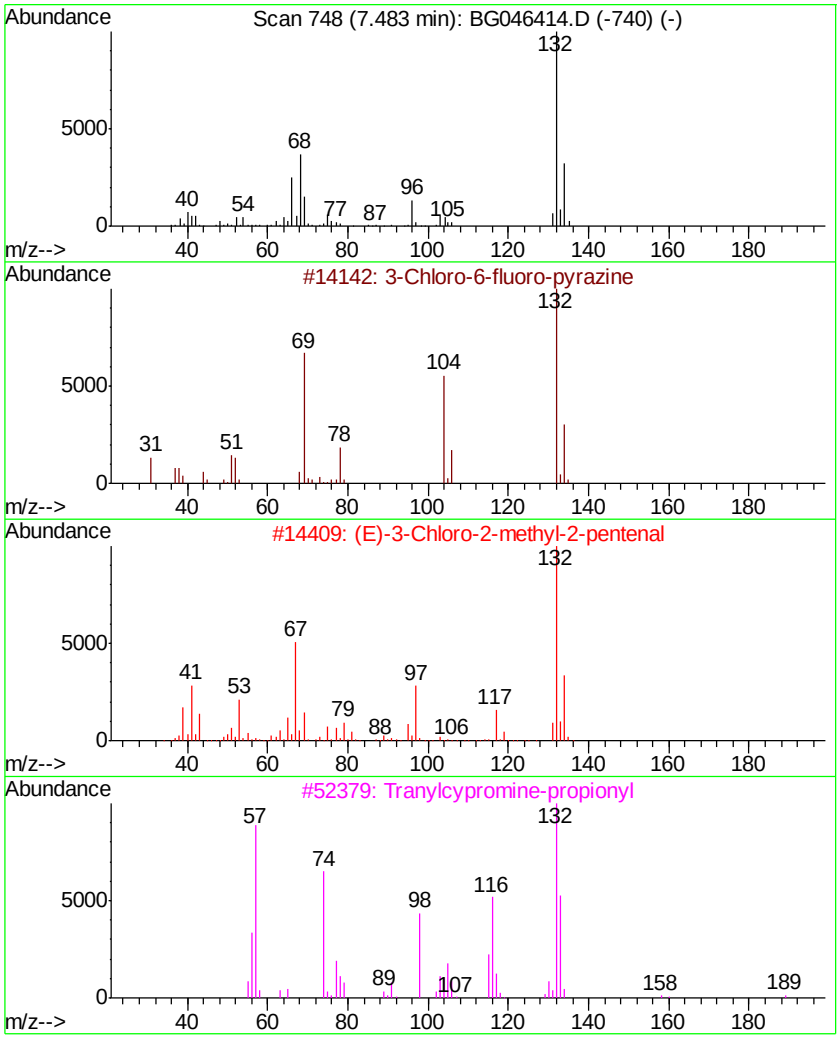
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

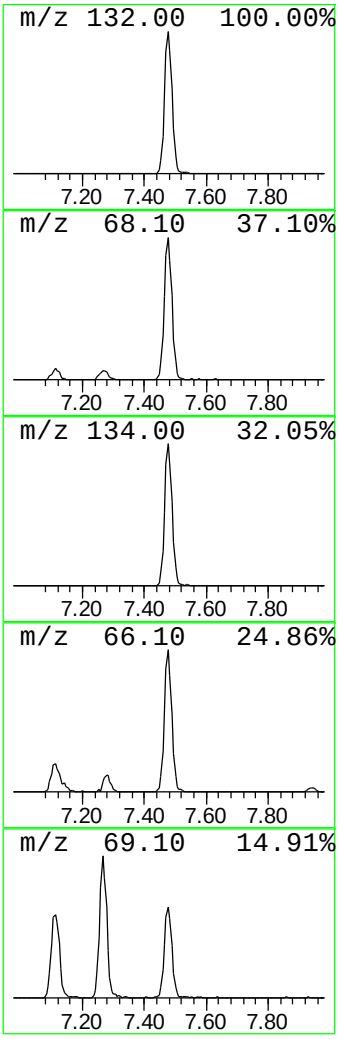
****

Peak Number 5 unknown-03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	20.20 ng/ul	490110	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Operator : CG/JU
Sample : L3635-19
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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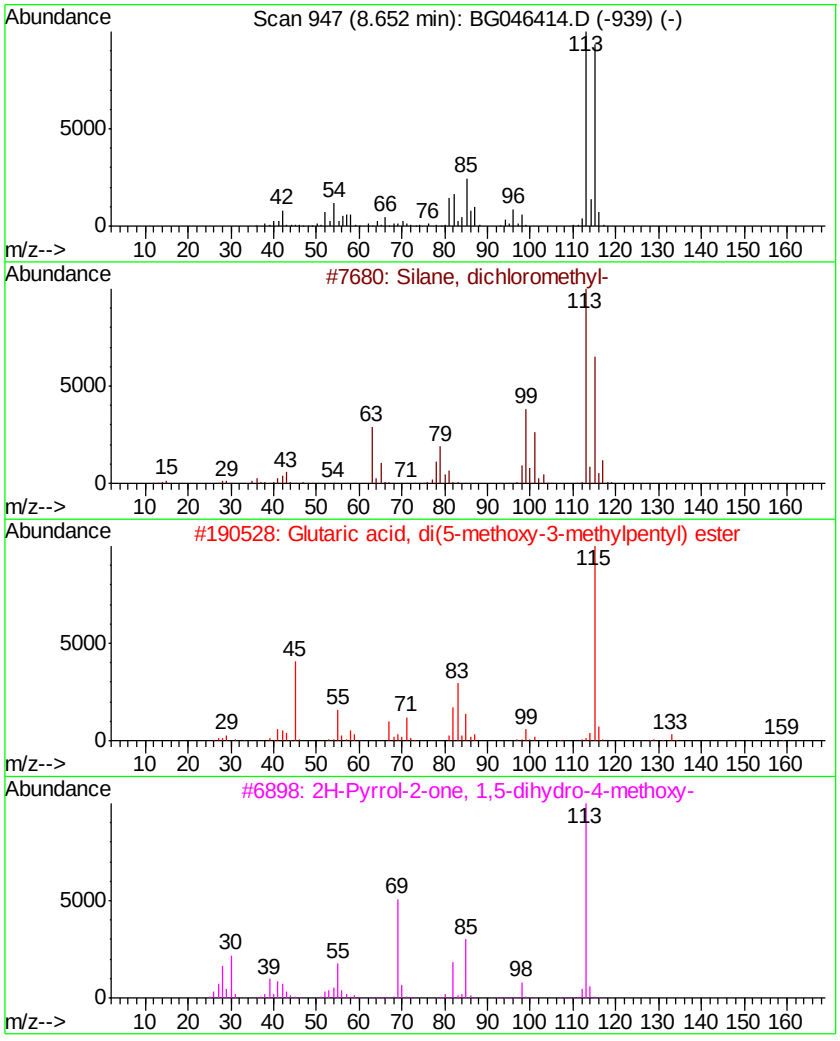
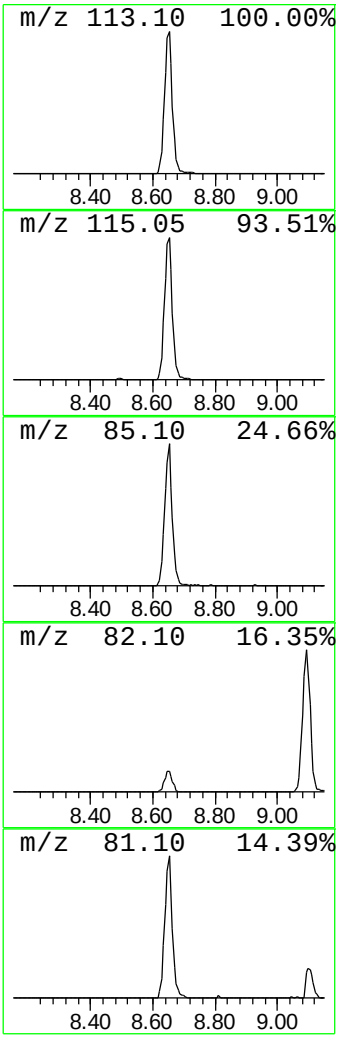
Peak Number 6 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	24.79 ng/ul	601629	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
4	Furazan-3-amine, 4-methoxy-	115	C3H5N3O2	078350-48-8	25
5	3,4-Methylpropylsuccinimide	155	C8H13NO2	1000248-78-0	25





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Instrument : BNA_G
ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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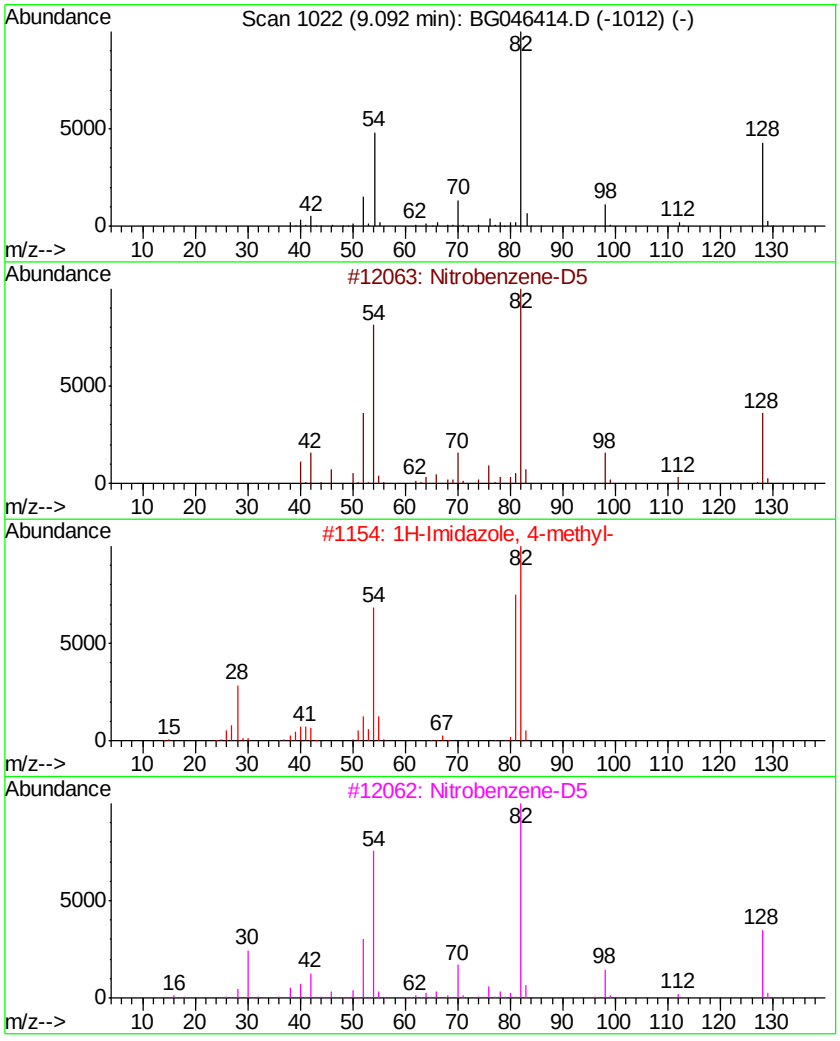
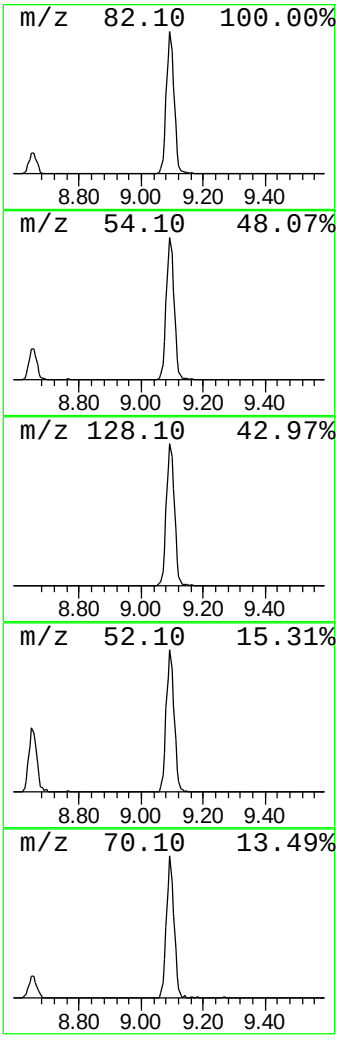
Peak Number 7 1H-Imidazole, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	19.47 ng/ul	472478	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	56
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
5	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33





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ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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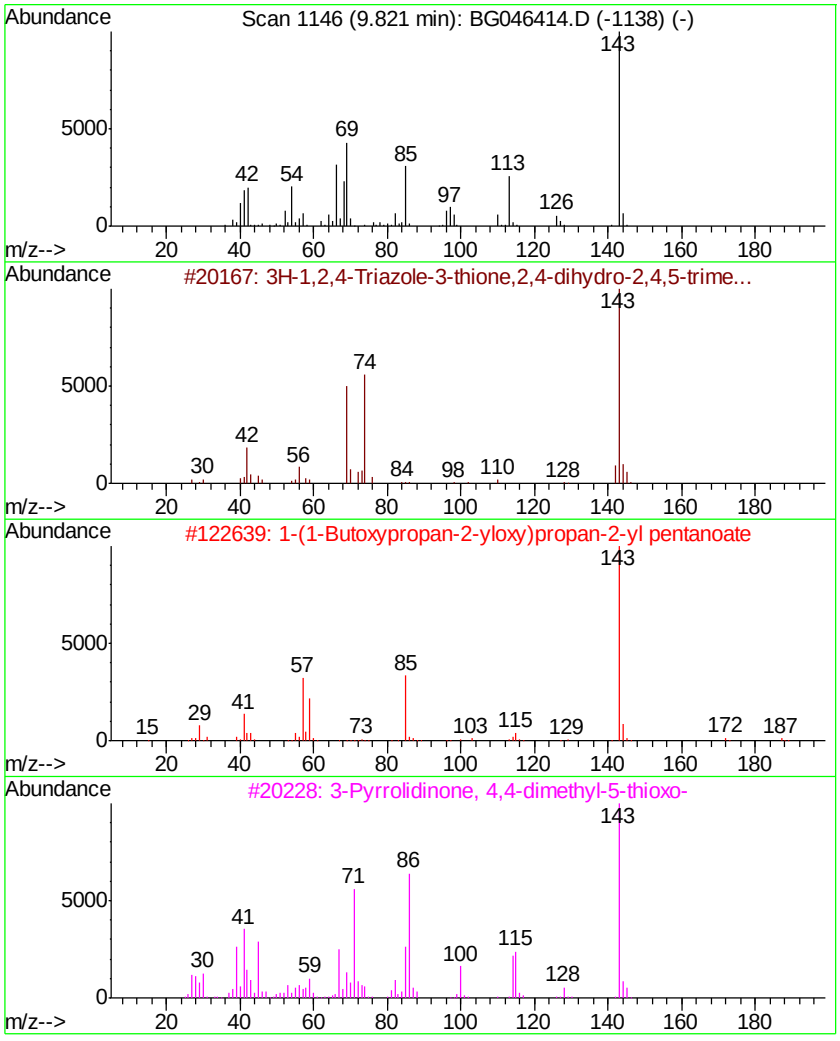
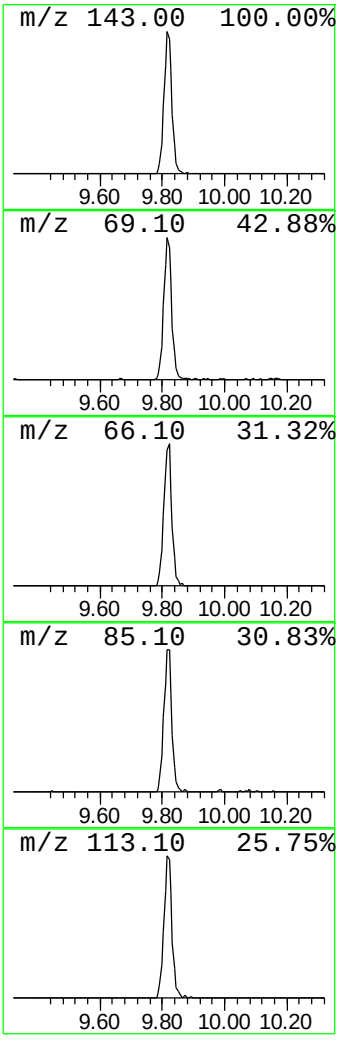
Peak Number 8 unknown-05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	10.97 ng/ul	403081	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2,4-Triazole-3-thione,2,4-d...	143	C5H9N3S	037526-42-4	12
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	10
3	3-Pyrrolidinone, 4,4-dimethyl-5-...	143	C6H9NOS	077611-54-2	9
4	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	9
5	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	9





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ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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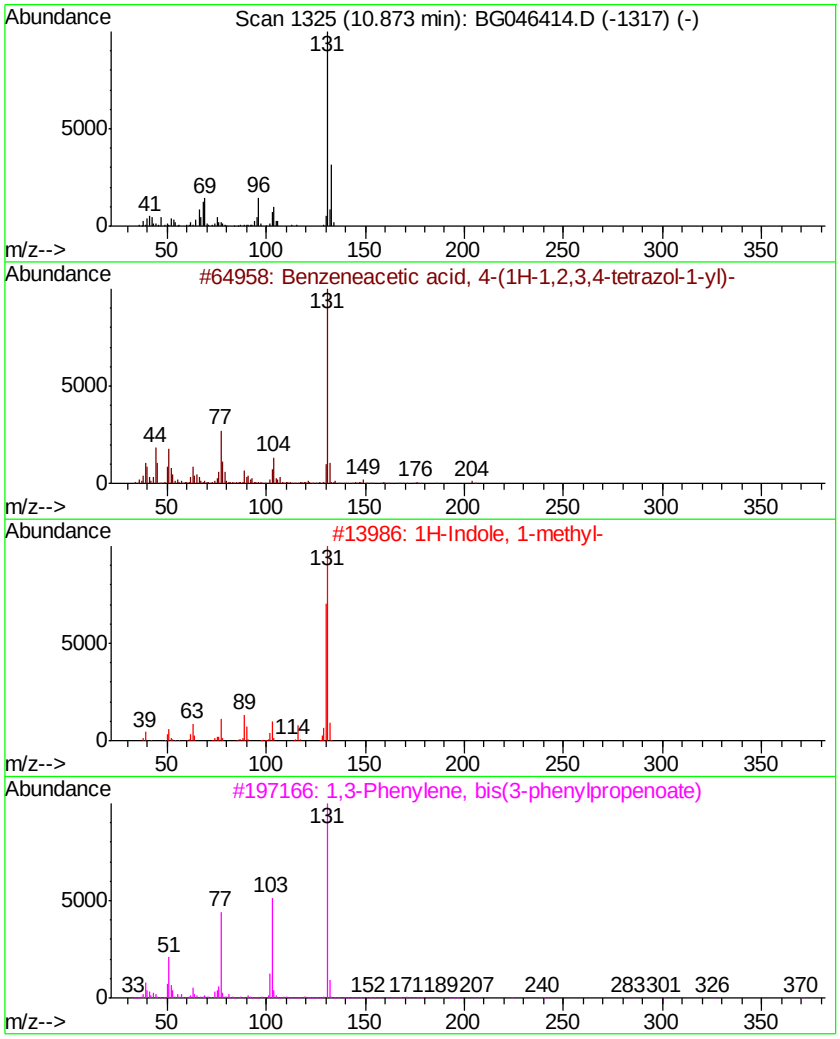
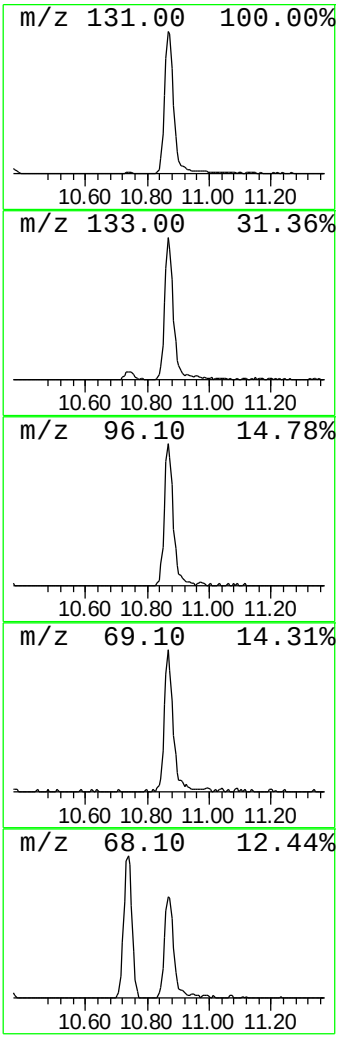
Peak Number 9 unknown-06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	11.39 ng/ul	418530	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
3	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	25
4	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
5	Benzene, (2-propynyloxy)-	132	C9H8O	013610-02-1	9





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Operator : CG/JU
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Quant Title : SVOA CALIBRATION

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

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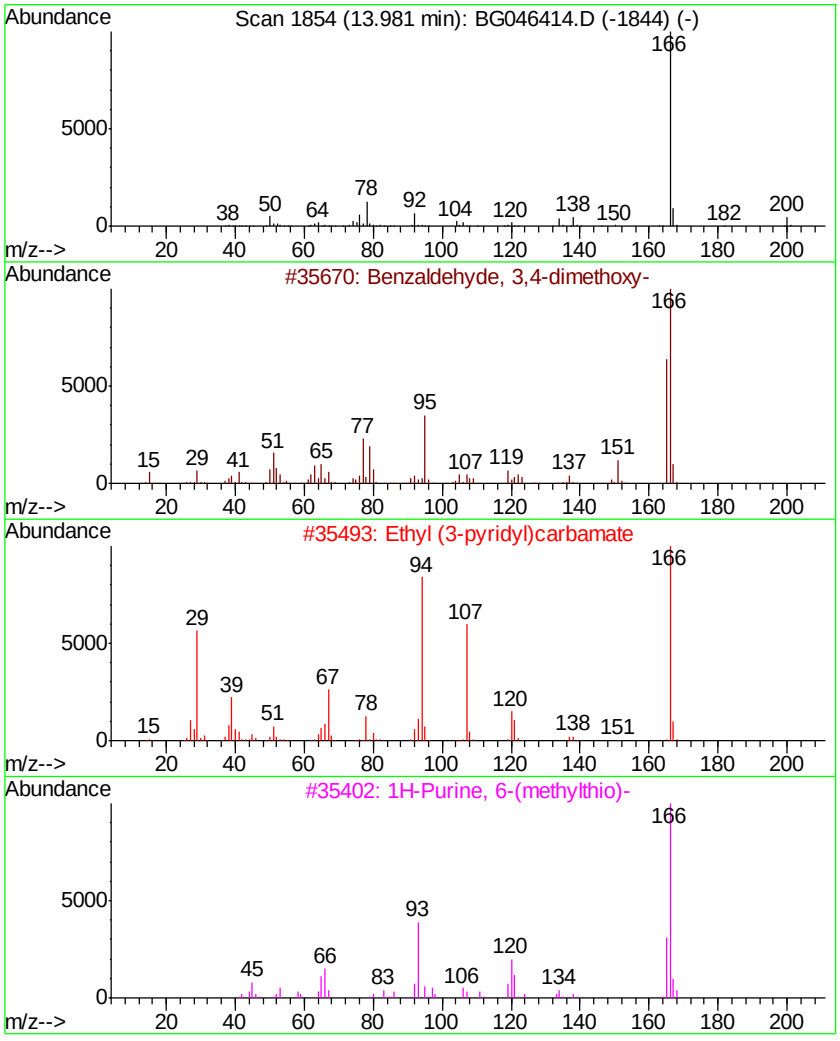
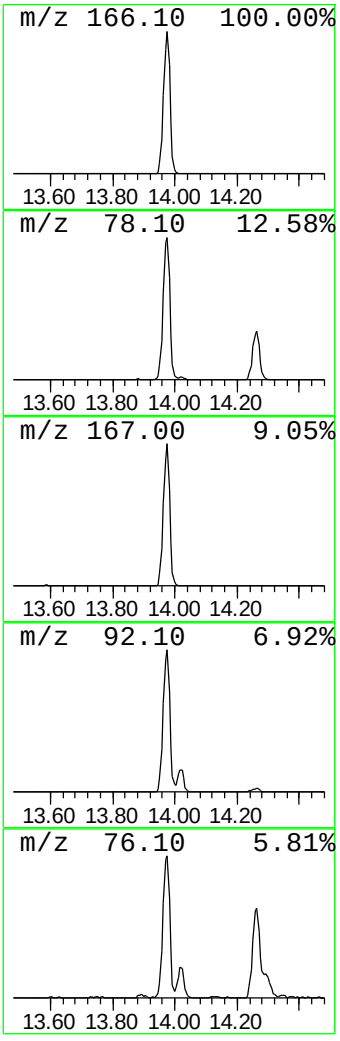
Peak Number 10 unknown-07 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	19.52 ng/ul	1034370	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	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





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ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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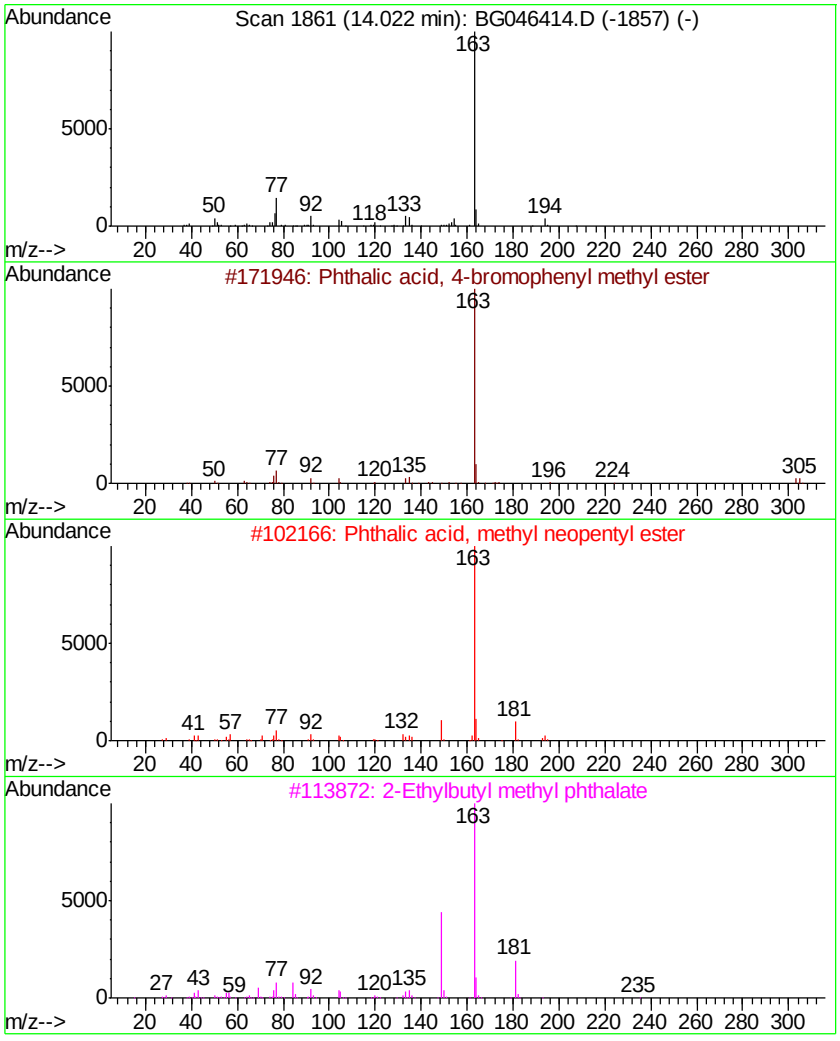
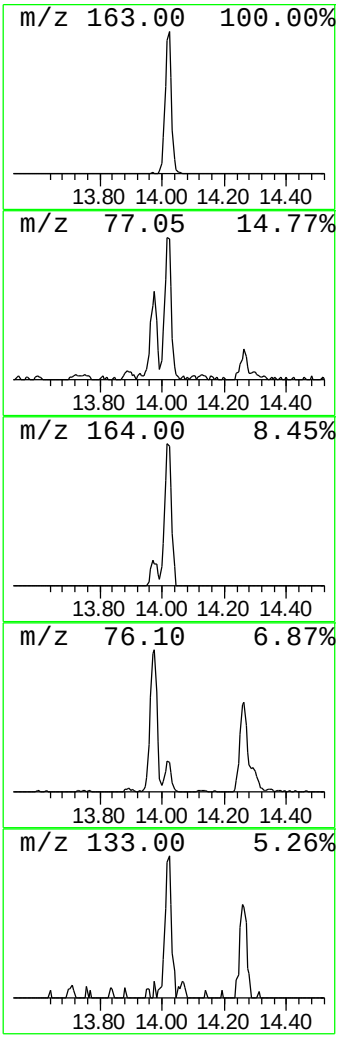
Peak Number 11 Phthalic acid, 4-bromopheny... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.45 ng/ul	182705	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4-bromophenyl met...	334	C15H11BrO4	1000315-66-6	72
2	Phthalic acid, methyl neopentyl ...	250	C14H18O4	1000315-53-9	72
3	2-Ethylbutyl methyl phthalate	264	C15H20O4	1000373-89-6	72
4	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	64
5	Dimethyl phthalate	194	C10H10O4	000131-11-3	64





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Sample : L3635-19
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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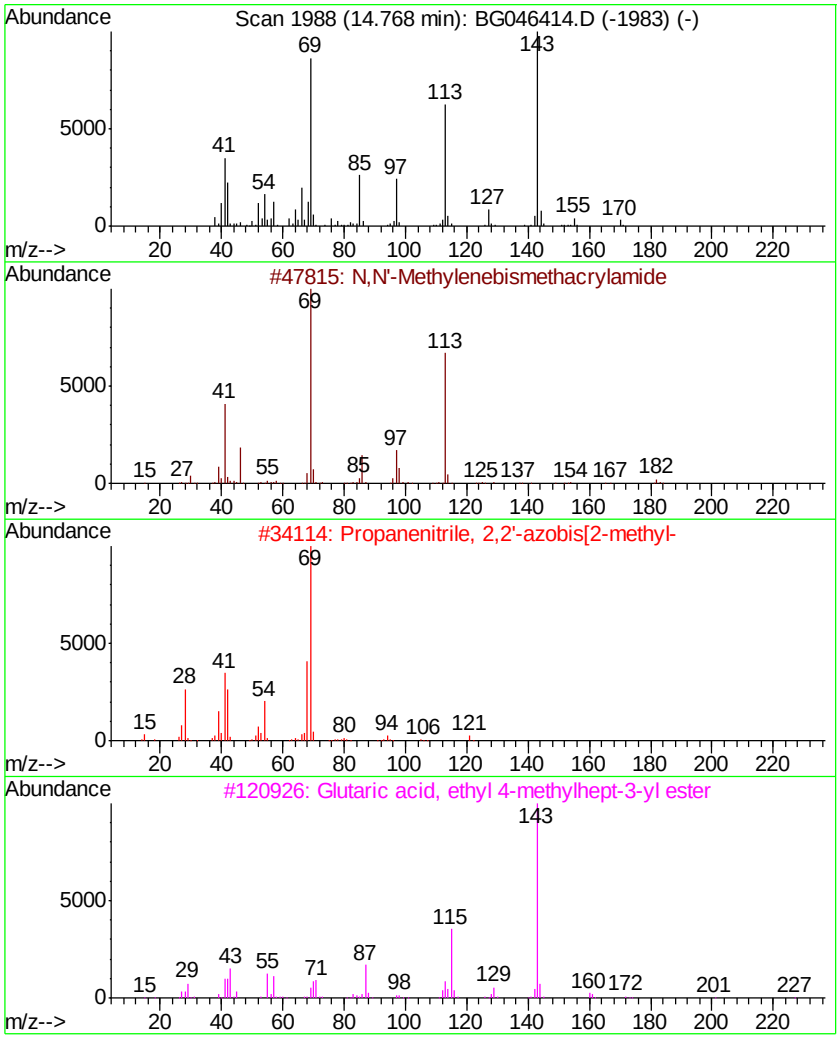
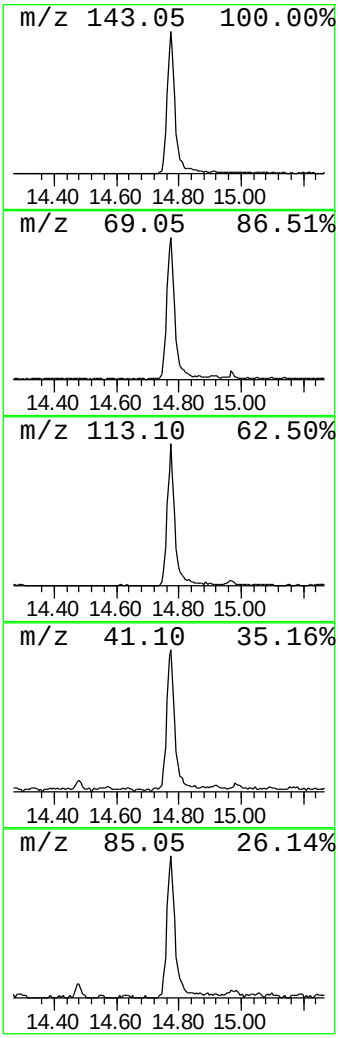
Peak Number 12 unknown-08 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	8.02 ng/ul	425241	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
2	Propanenitrile, 2,2'-azobis[2-me...	164	C8H12N4	000078-67-1	22
3	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	22
4	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	16
5	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	14





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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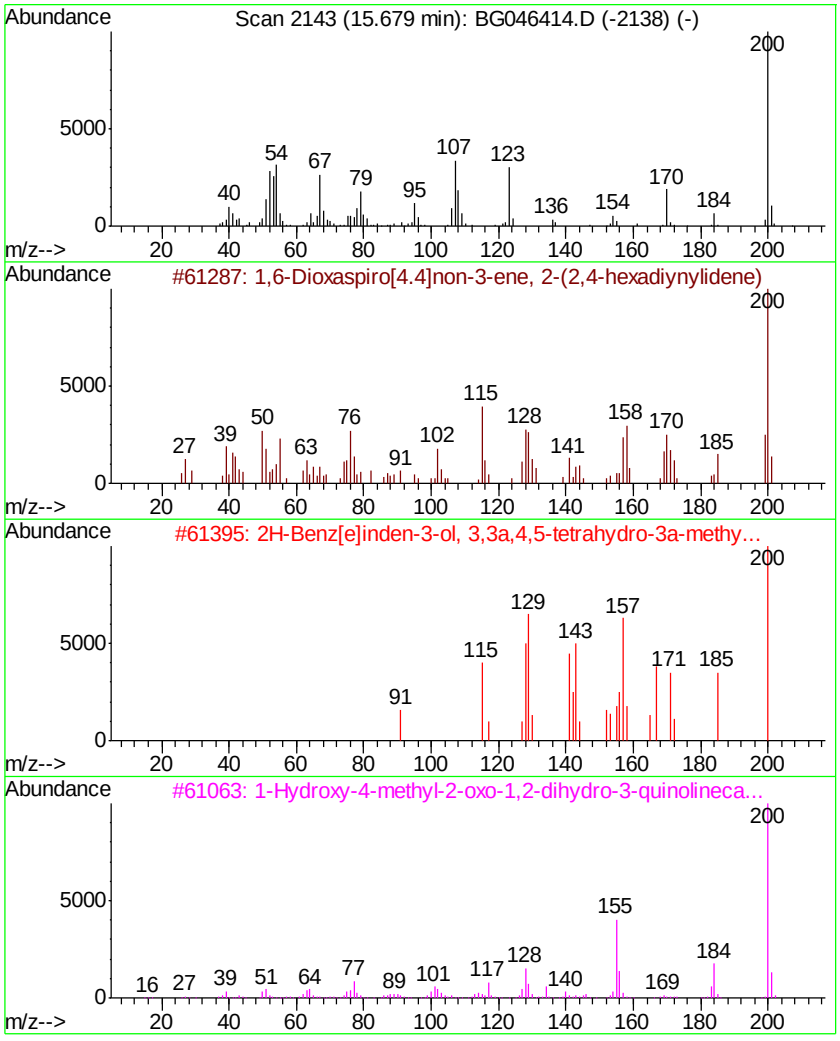
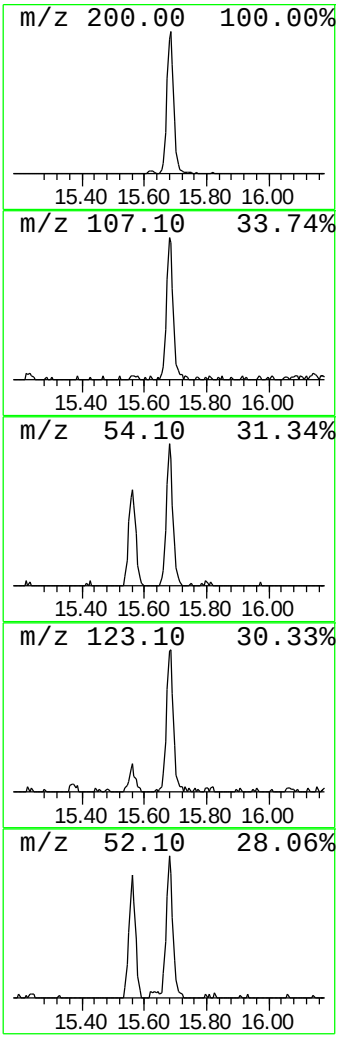
Peak Number 13 unknown-09 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.77 ng/ul	252944	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dioxaspiro[4.4]non-3-ene, 2-...	200	C13H12O2	016863-61-9	27
2	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	27
3	1-Hydroxy-4-methyl-2-oxo-1,2-dih...	200	C11H8N2O2	021771-74-4	22
4	7,8-Dimethylfurazano[f]quinoxaline	200	C10H8N4O	1000110-74-6	22
5	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	18





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Quant Title : SVOA CALIBRATION

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

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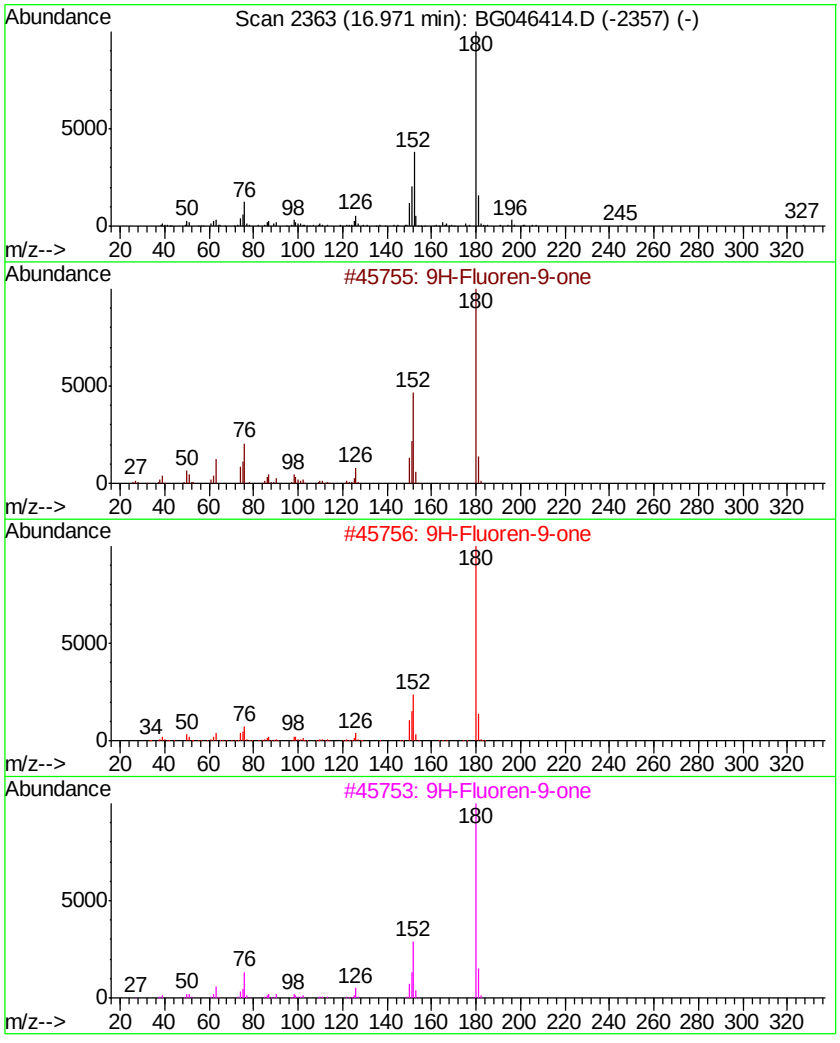
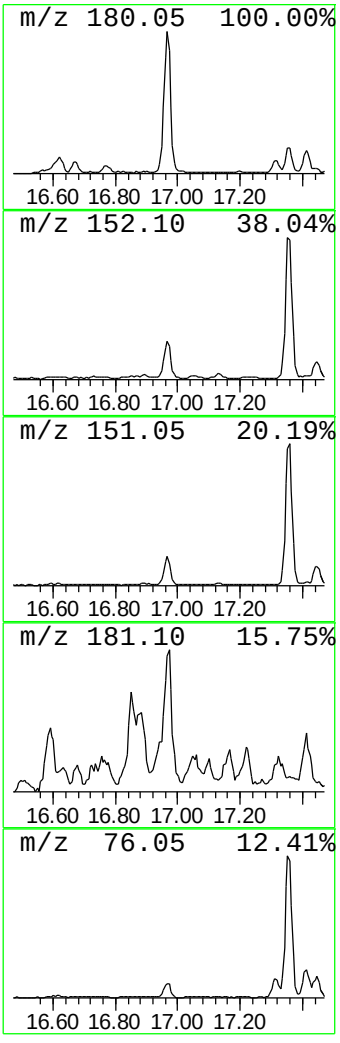
Peak Number 14 9H-Fluoren-9-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.80 ng/ul	178688	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62





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Quant Title : SVOA CALIBRATION

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

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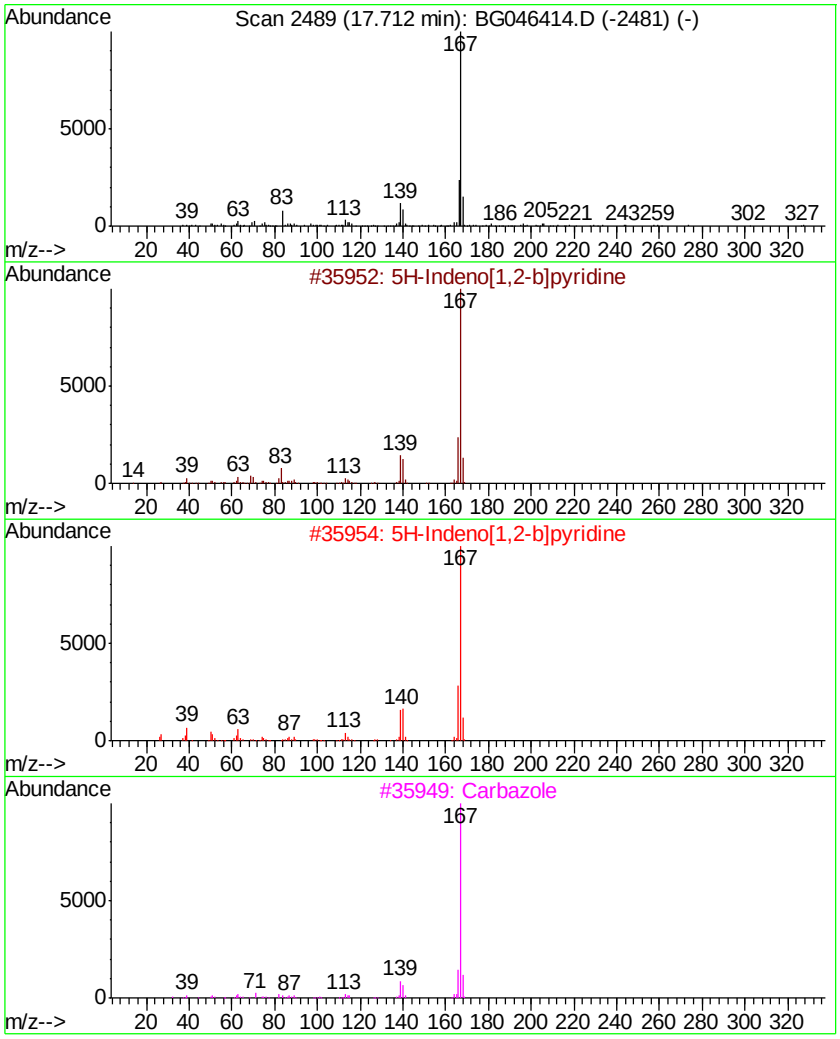
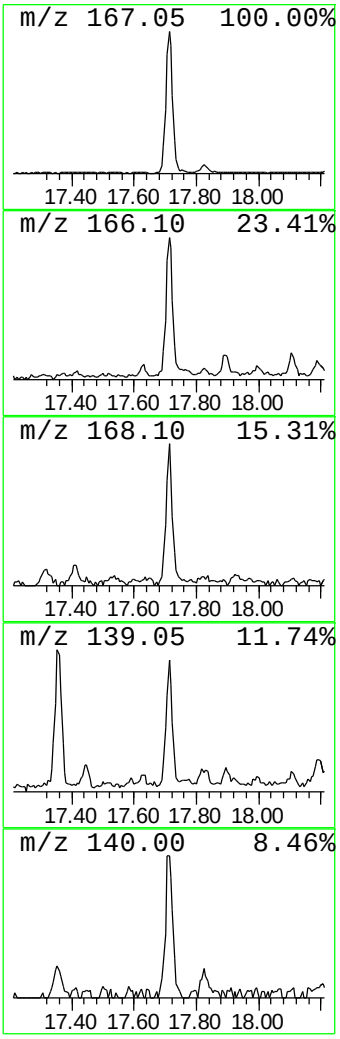
Peak Number 15 5H-Indeno[1,2-b]pyridine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	3.53 ng/ul	225446	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	90
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
3	Carbazole	167	C12H9N	000086-74-8	87
4	Carbazole	167	C12H9N	000086-74-8	87
5	Carbazole	167	C12H9N	000086-74-8	87





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Peak Number 16 Anthracene, 9-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	4.35 ng/ul	277614	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
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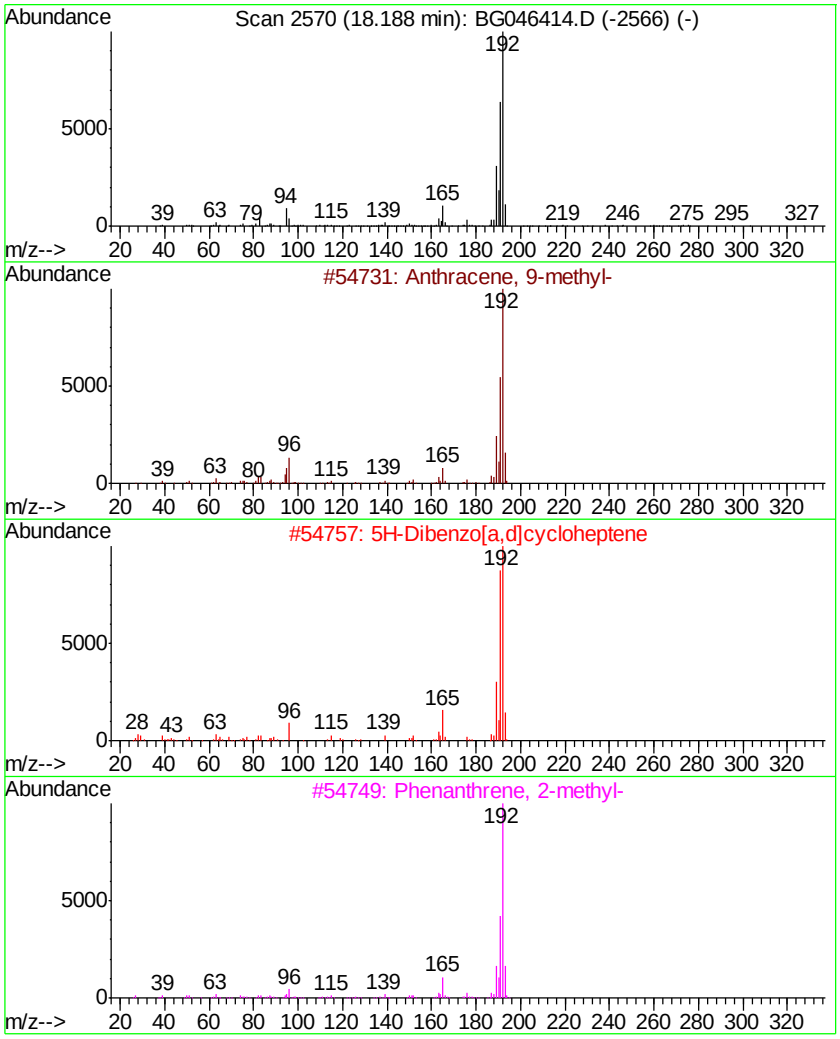
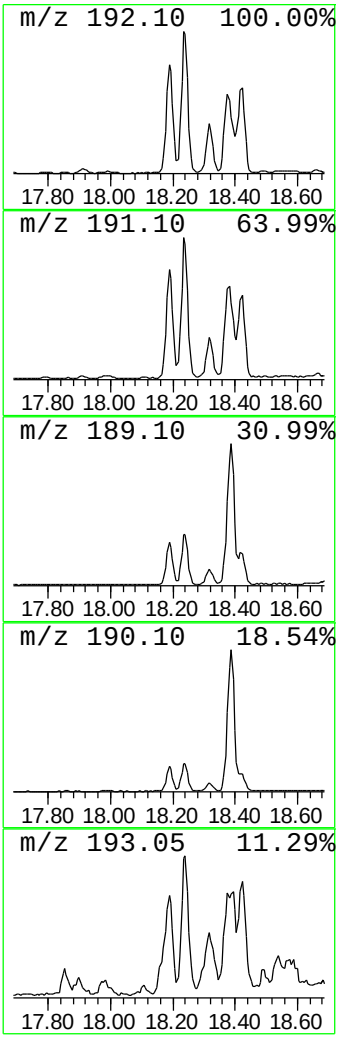
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74





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Sample : L3635-19
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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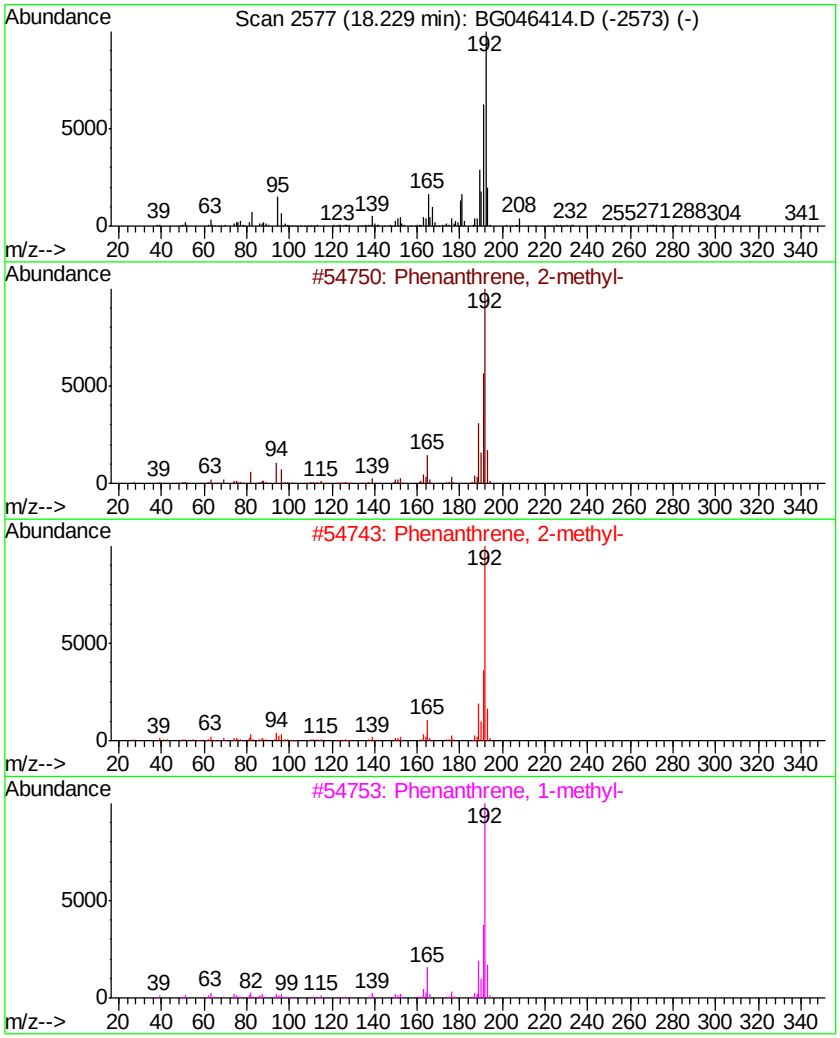
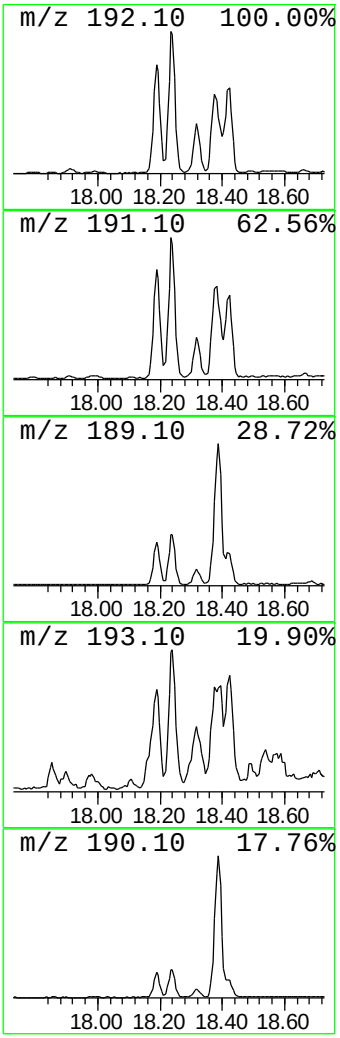
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	8.60 ng/ul	549090	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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Instrument : BNA_G
ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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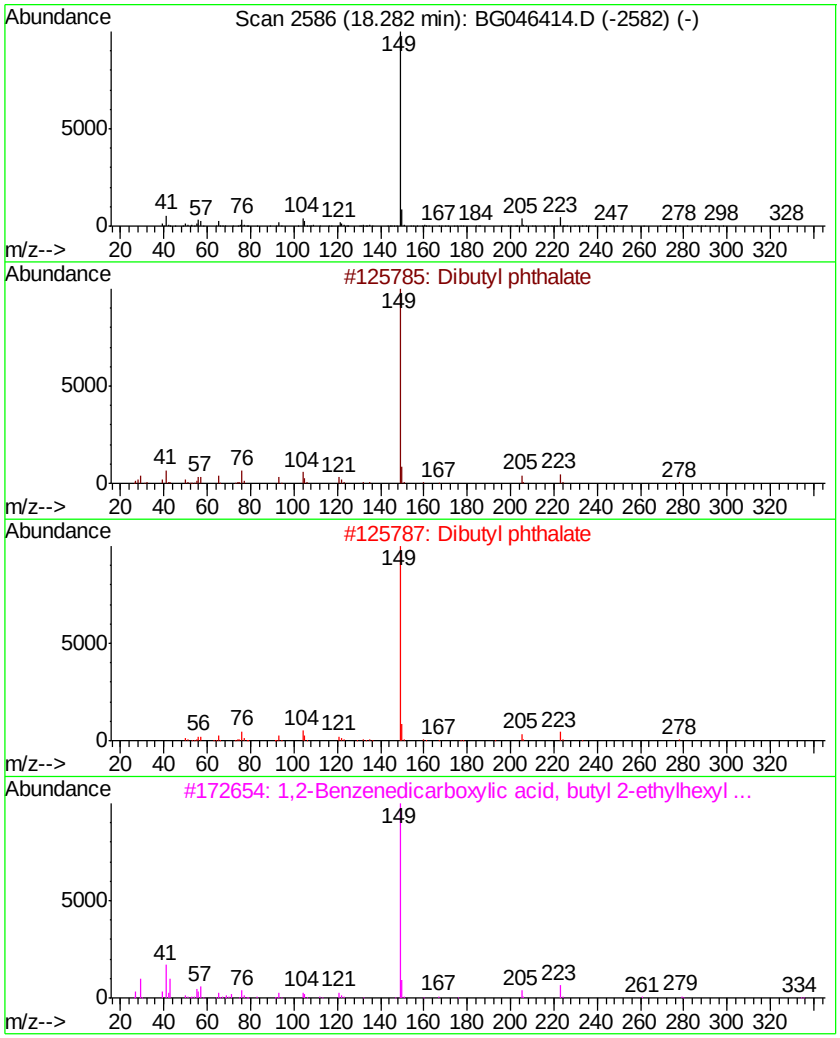
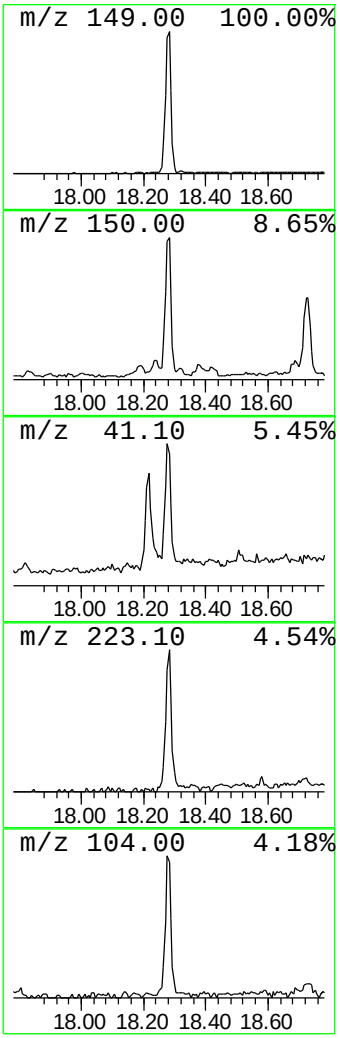
Peak Number 18 Dibutyl phthalate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	5.66 ng/ul	361661	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl phthalate	278	C16H22O4	000084-74-2	93
2	Dibutyl phthalate	278	C16H22O4	000084-74-2	90
3	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	83
4	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	78
5	Phthalic acid, isobutyl 2-pentyl...	292	C17H24O4	1000315-48-6	78





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Quant Title : SVOA CALIBRATION

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

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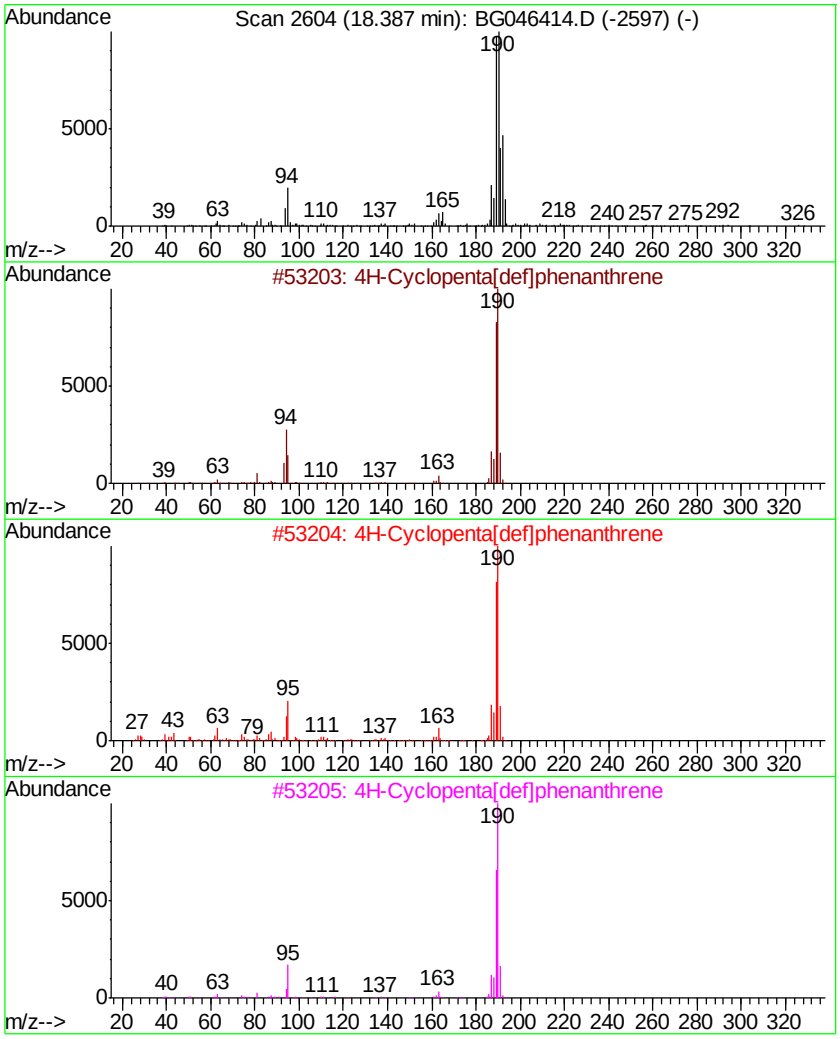
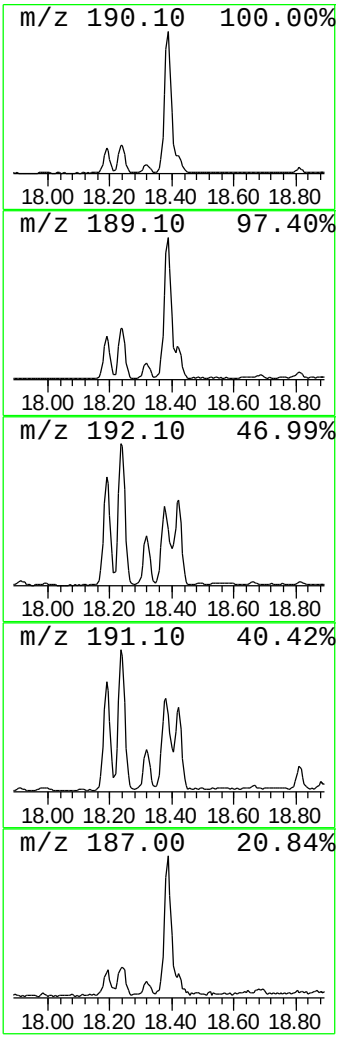
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	8.80 ng/ul	561791	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Quant Title : SVOA CALIBRATION

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

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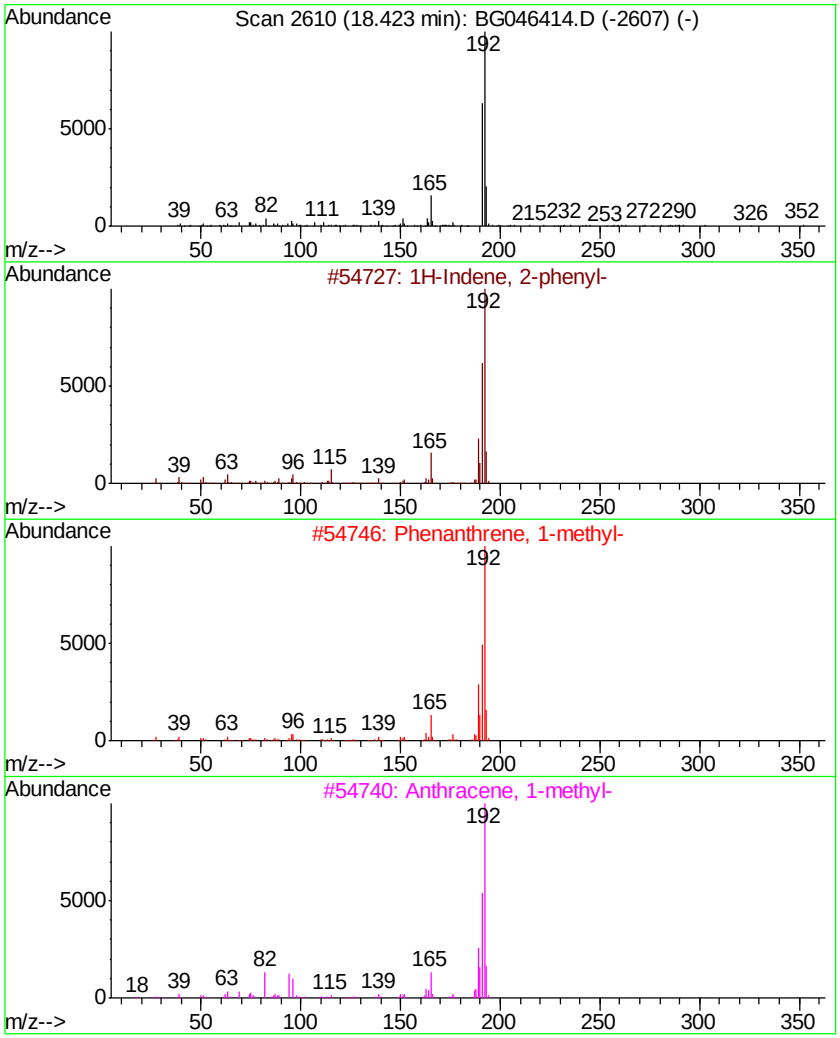
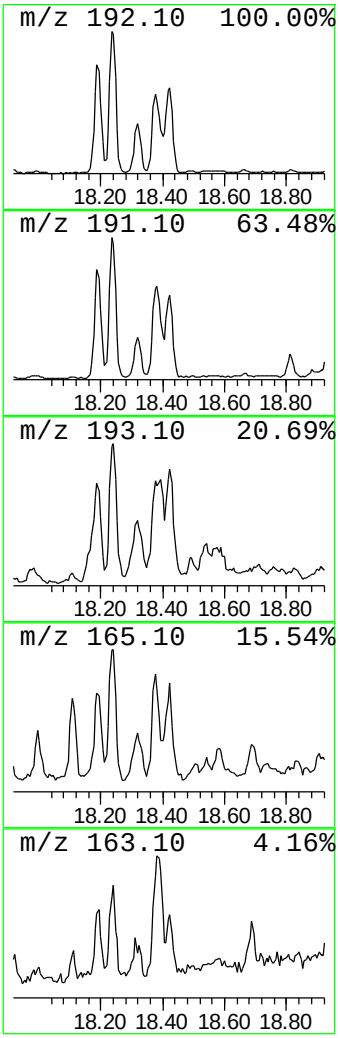
Peak Number 20 1H-Indene, 2-phenyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.17 ng/ul	202587	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Quant Title : SVOA CALIBRATION

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

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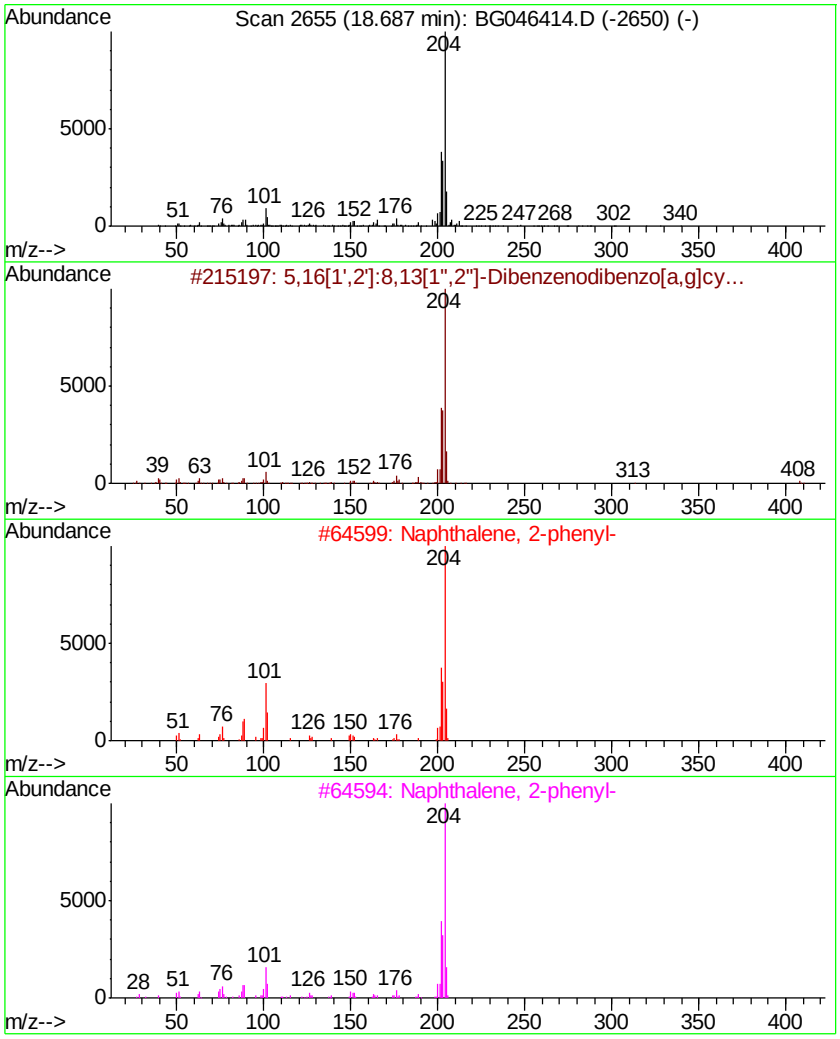
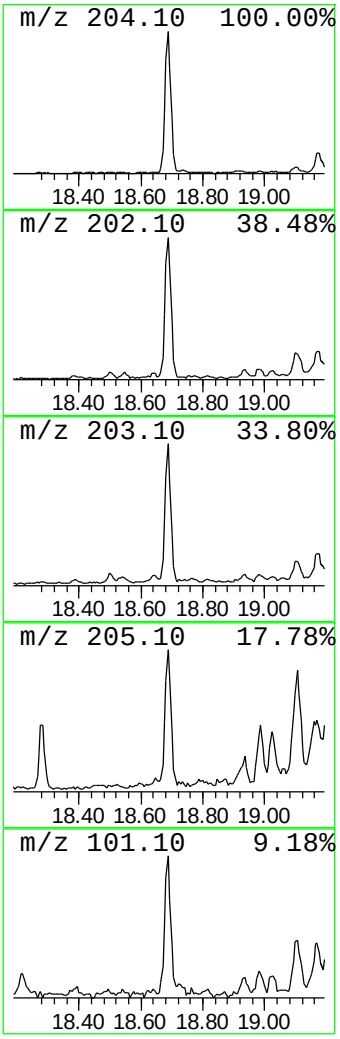
Peak Number 21 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	5.05 ng/ul	322643	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Quant Title : SVOA CALIBRATION

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

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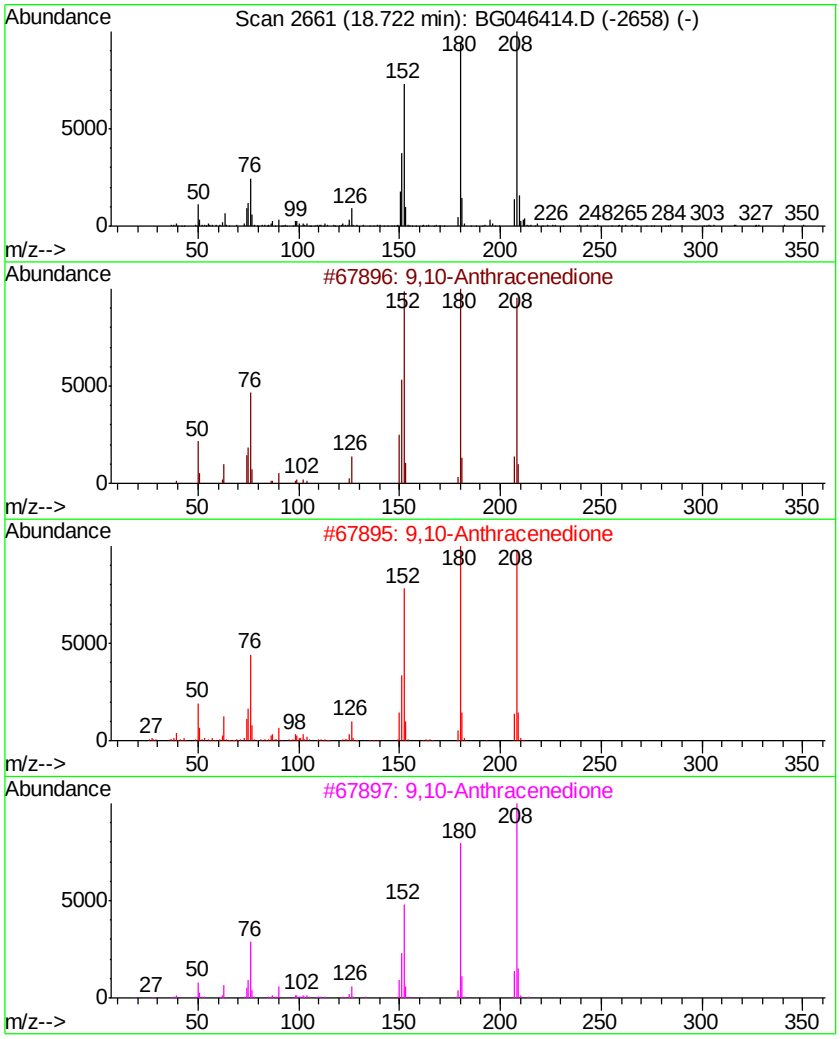
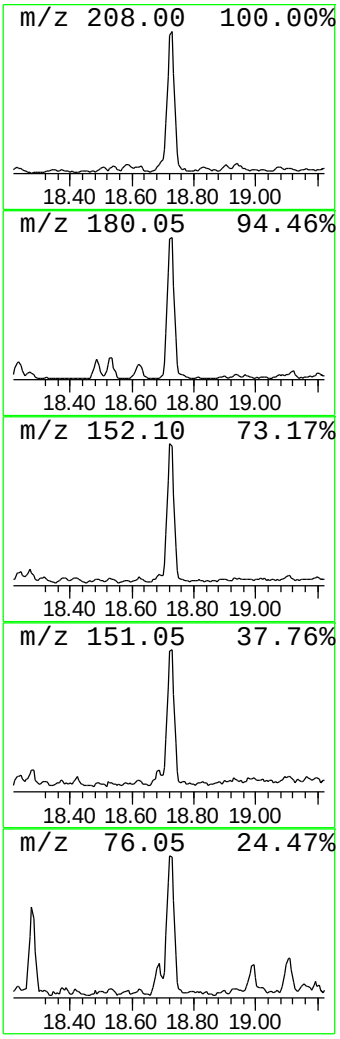
Peak Number 22 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.45 ng/ul	348330	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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ClientSampleId : BFMJ5

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Quant Title : SVOA CALIBRATION

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

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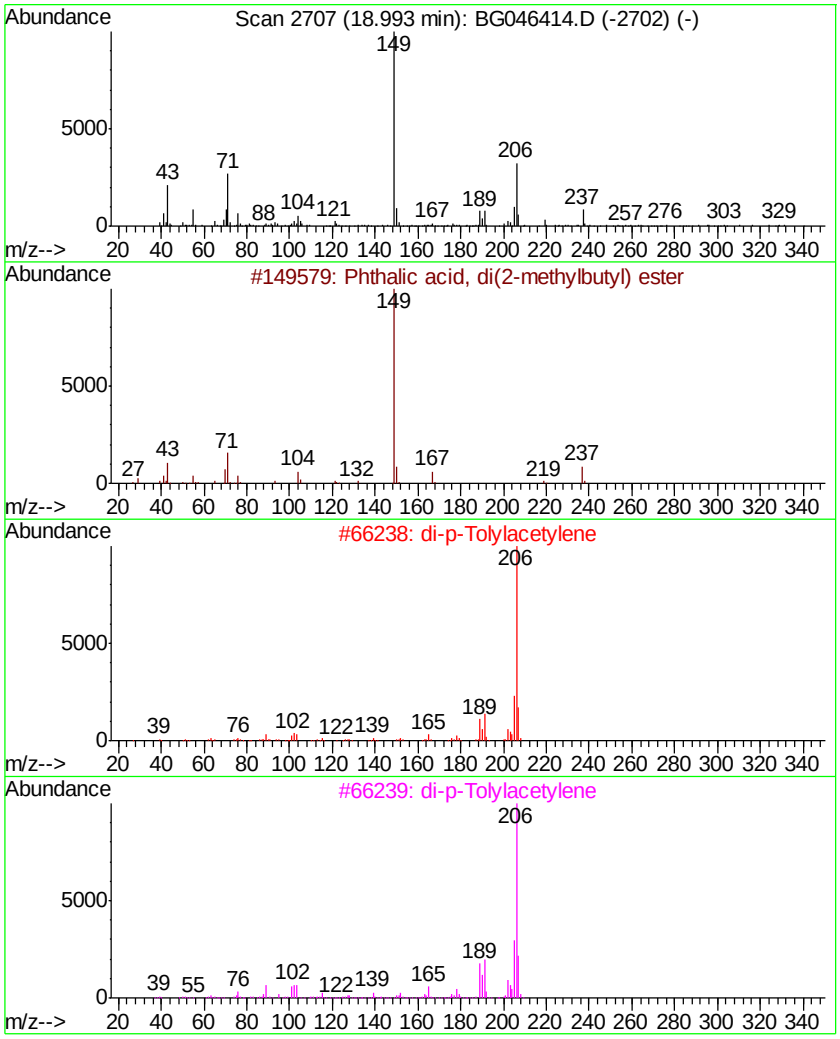
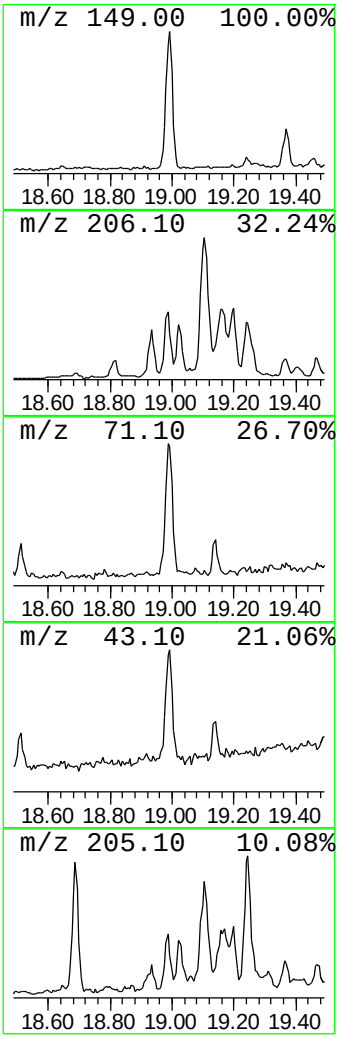
Peak Number 23 unknown-10 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.84 ng/ul	181466	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, di(2-methylbutyl)...	306	C18H26O4	1000322-82-5	43
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	42
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	42
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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Quant Title : SVOA CALIBRATION

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

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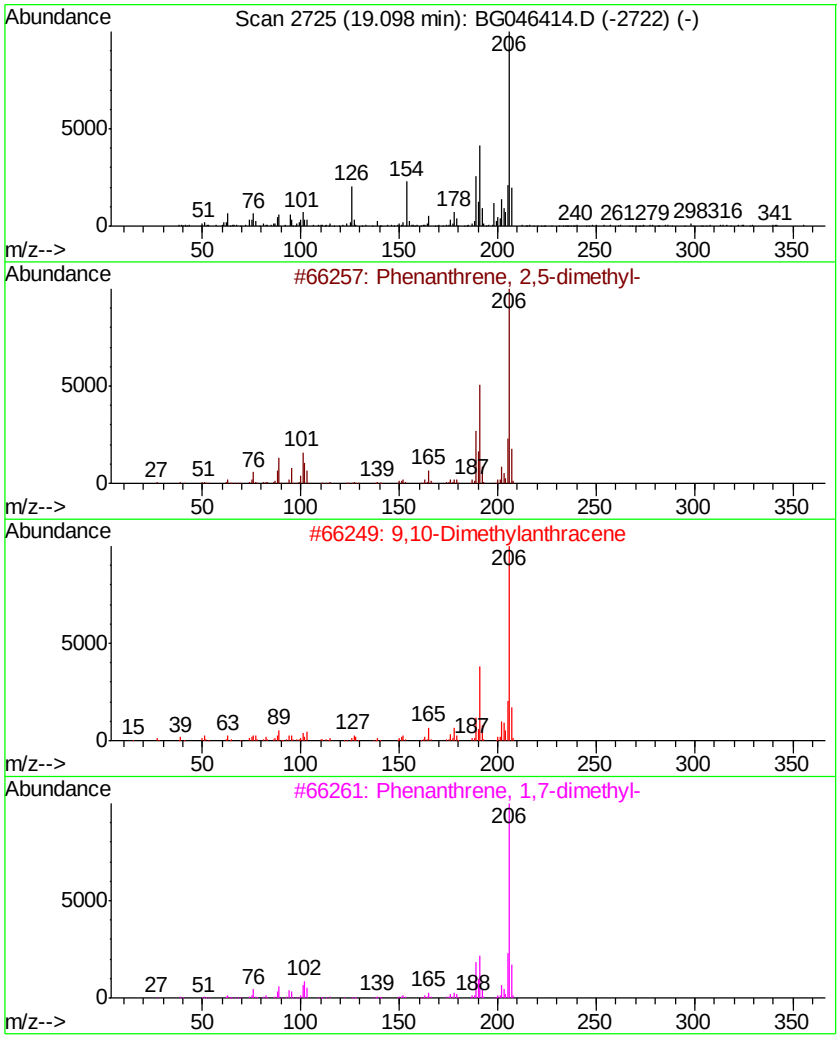
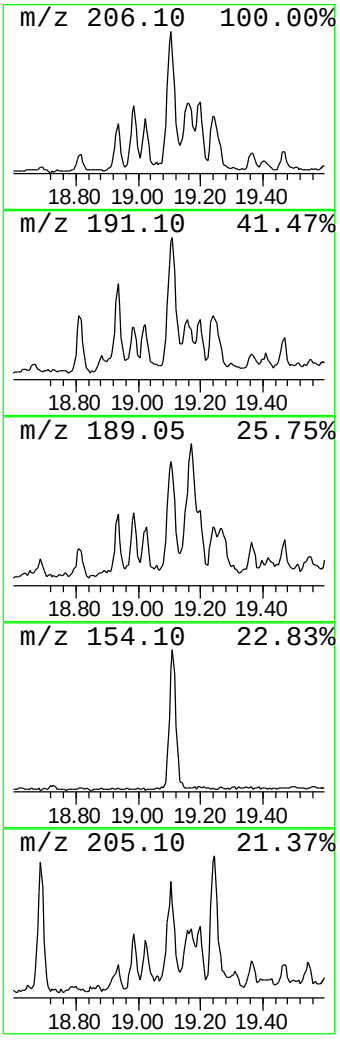
Peak Number 24 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	4.95 ng/ul	316299	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	78
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	78
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64





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Quant Title : SVOA CALIBRATION

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

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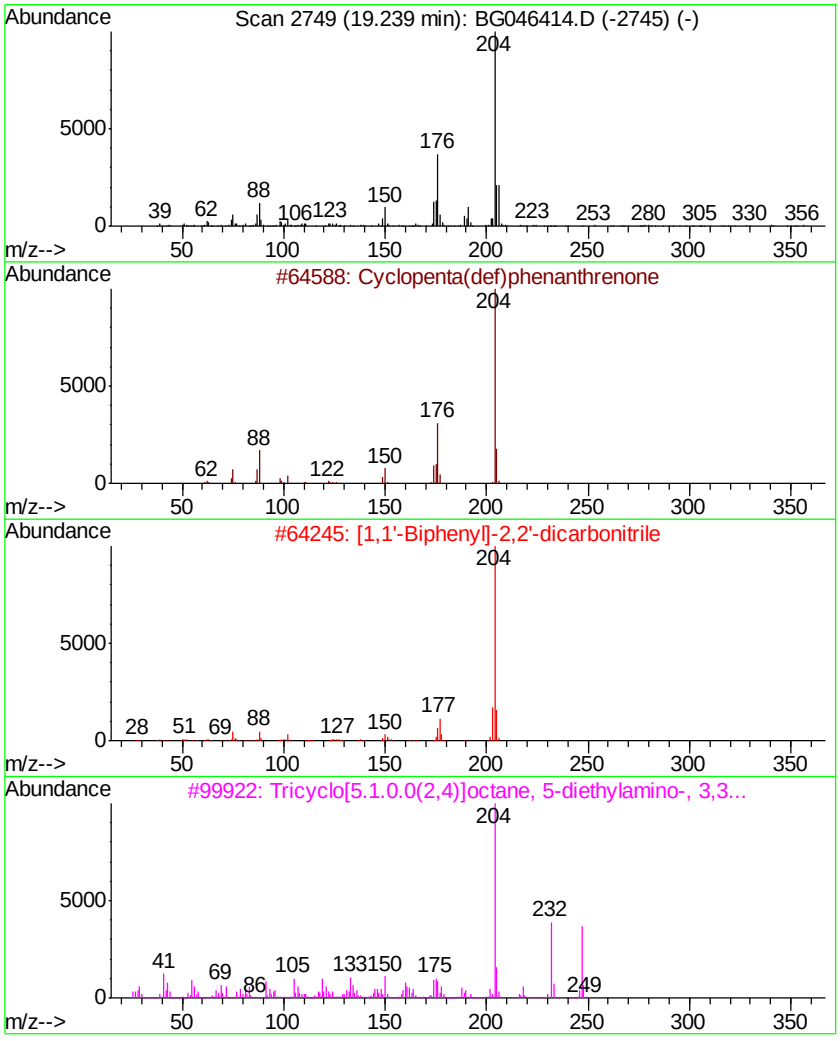
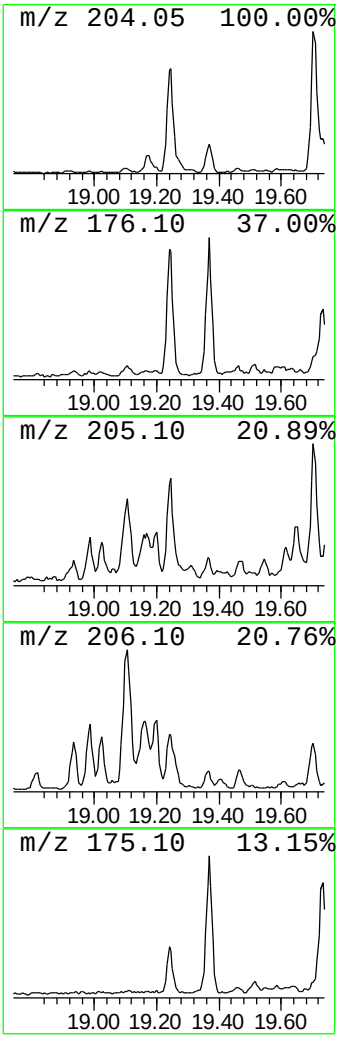
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	5.77 ng/ul	368829	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46





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Quant Title : SVOA CALIBRATION

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

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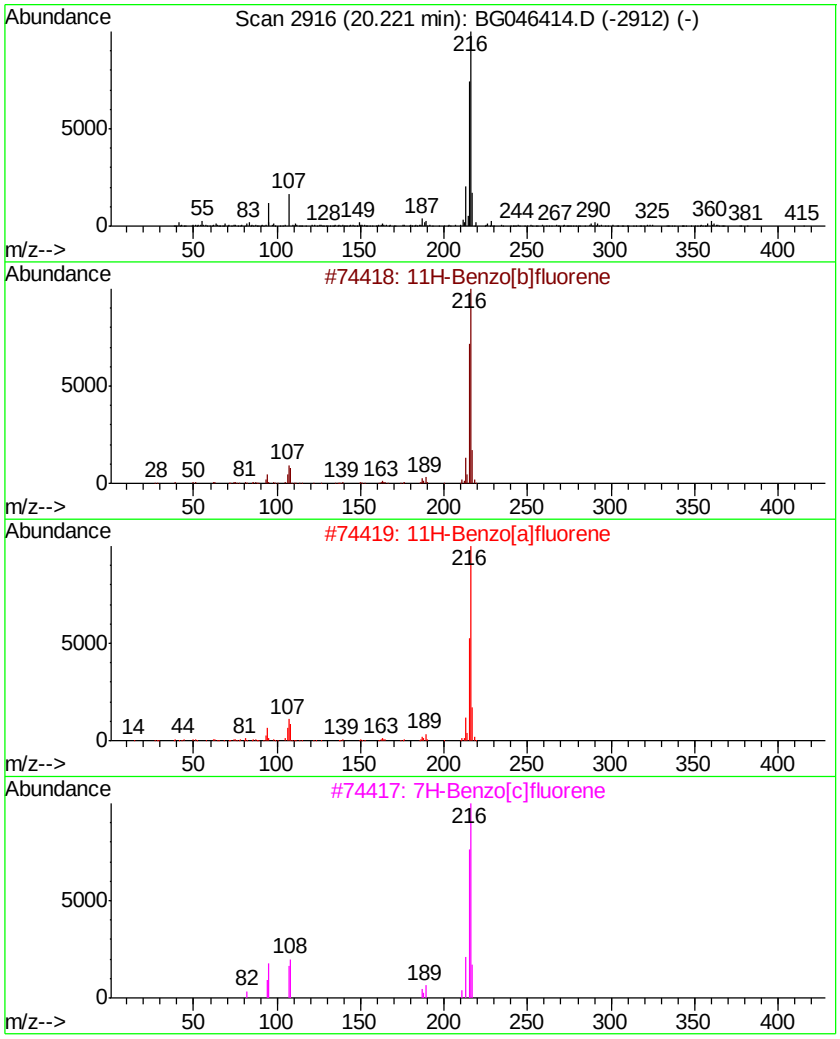
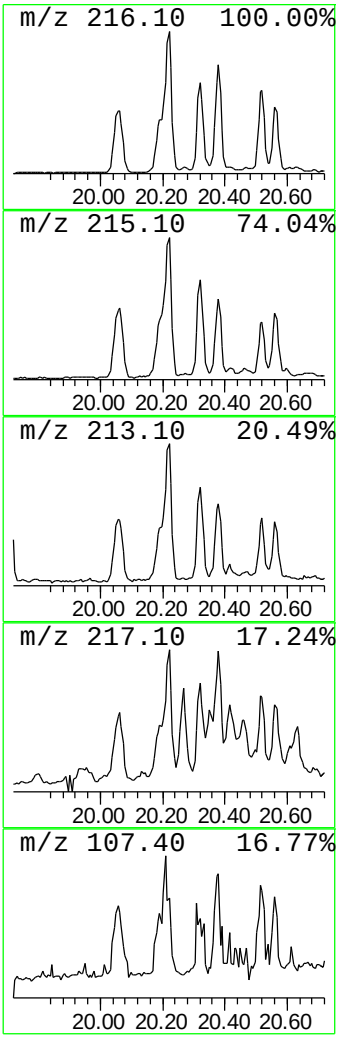
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.68 ng/ul	553742	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





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

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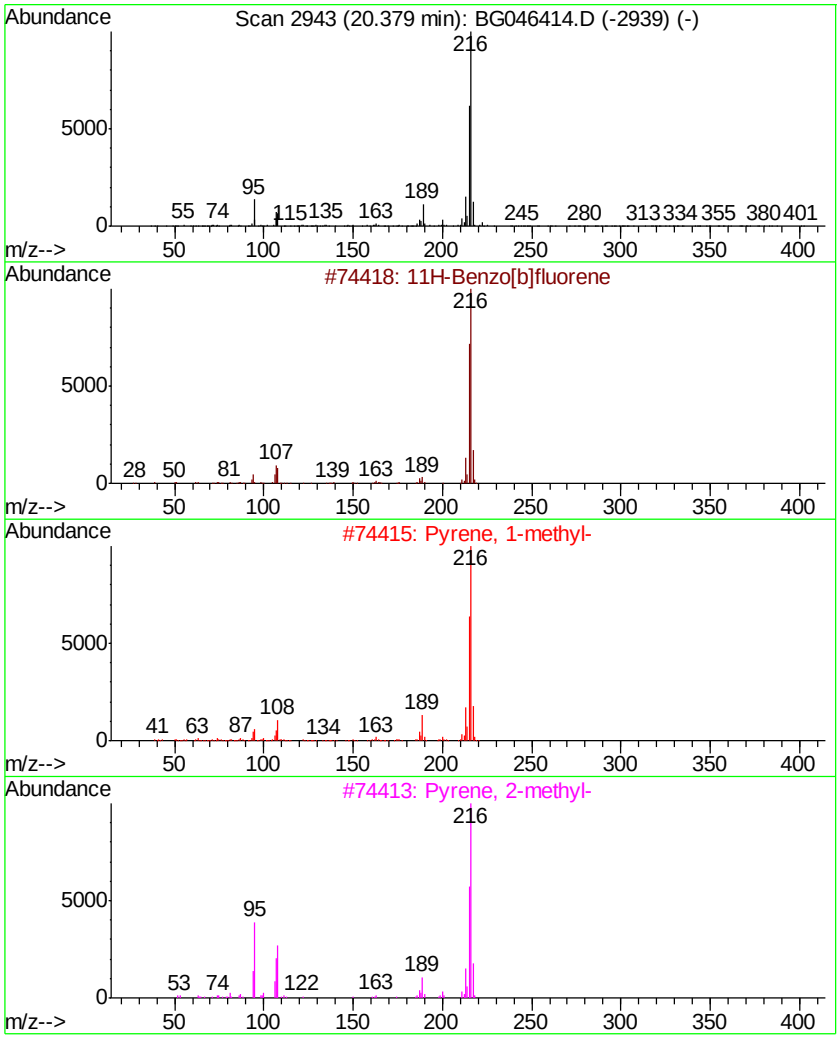
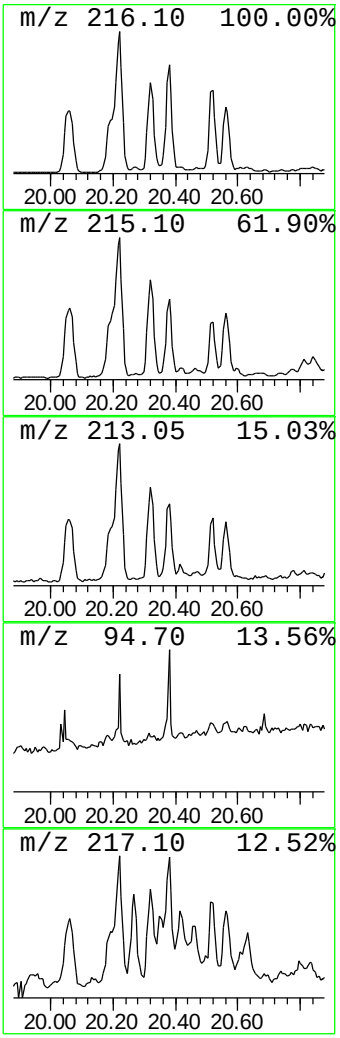
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	2.12 ng/ul	437605	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Instrument : BNA_G
ClientSampleId : BFMJ5

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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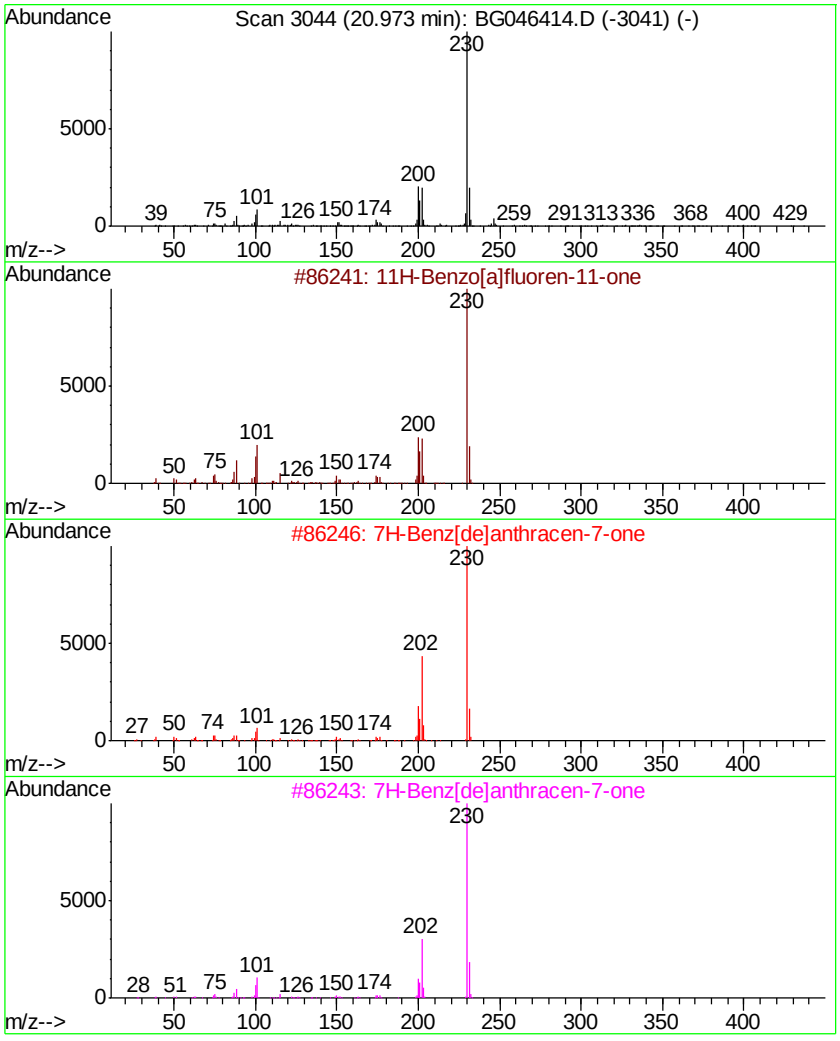
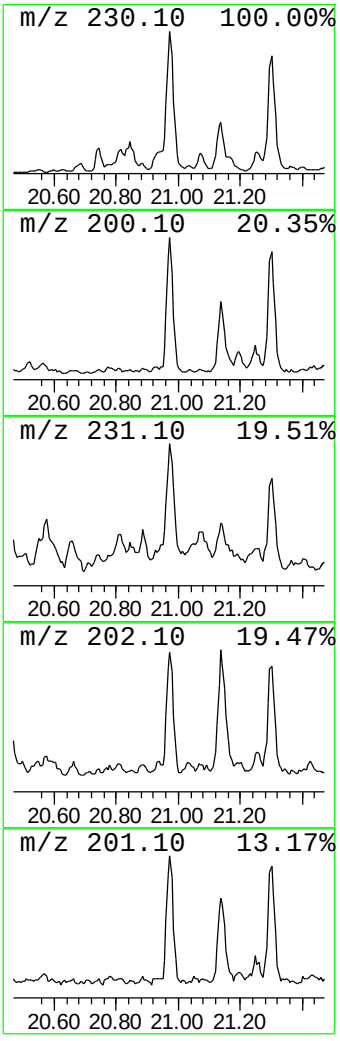
Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.10 ng/ul	434072	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046414.D
Acq On : 21 Aug 2020 15:20
Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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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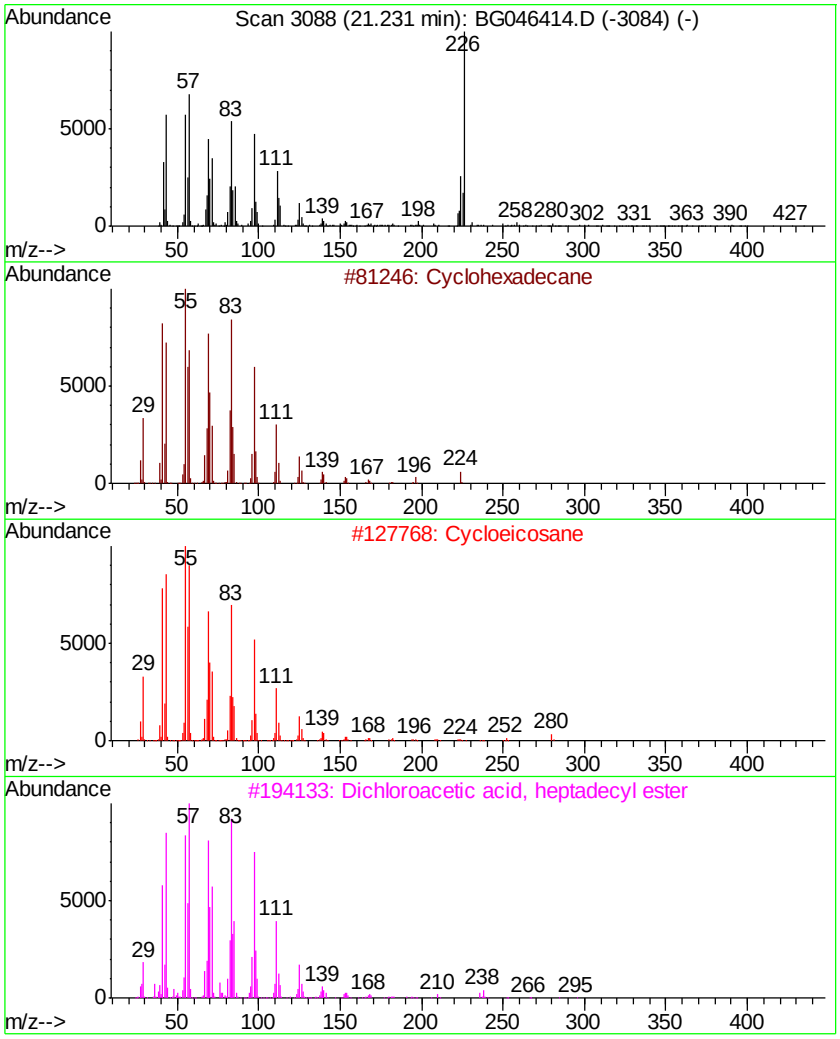
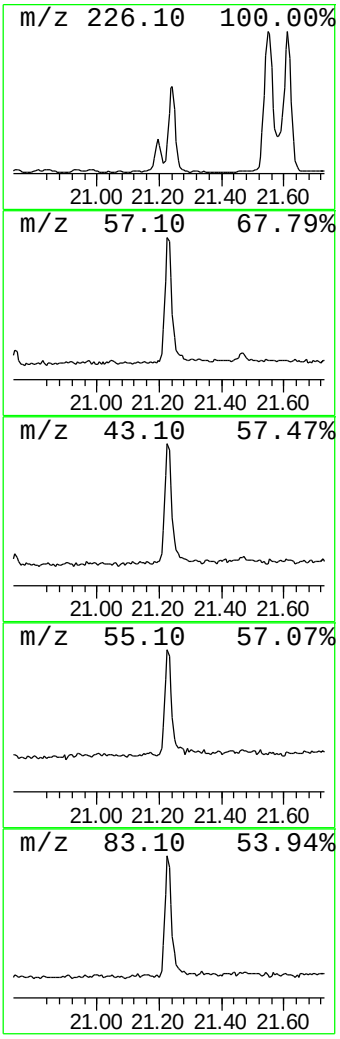
Peak Number 29 (DEL) Alkane: Cyclic21.23 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	5.13 ng/ul	1058140	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	Cycloeicosane	280	C20H40	000296-56-0	81
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	64
4	Cyclohexadecane	224	C16H32	000295-65-8	64
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	56





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046414.D
Acq On : 21 Aug 2020 15:20
Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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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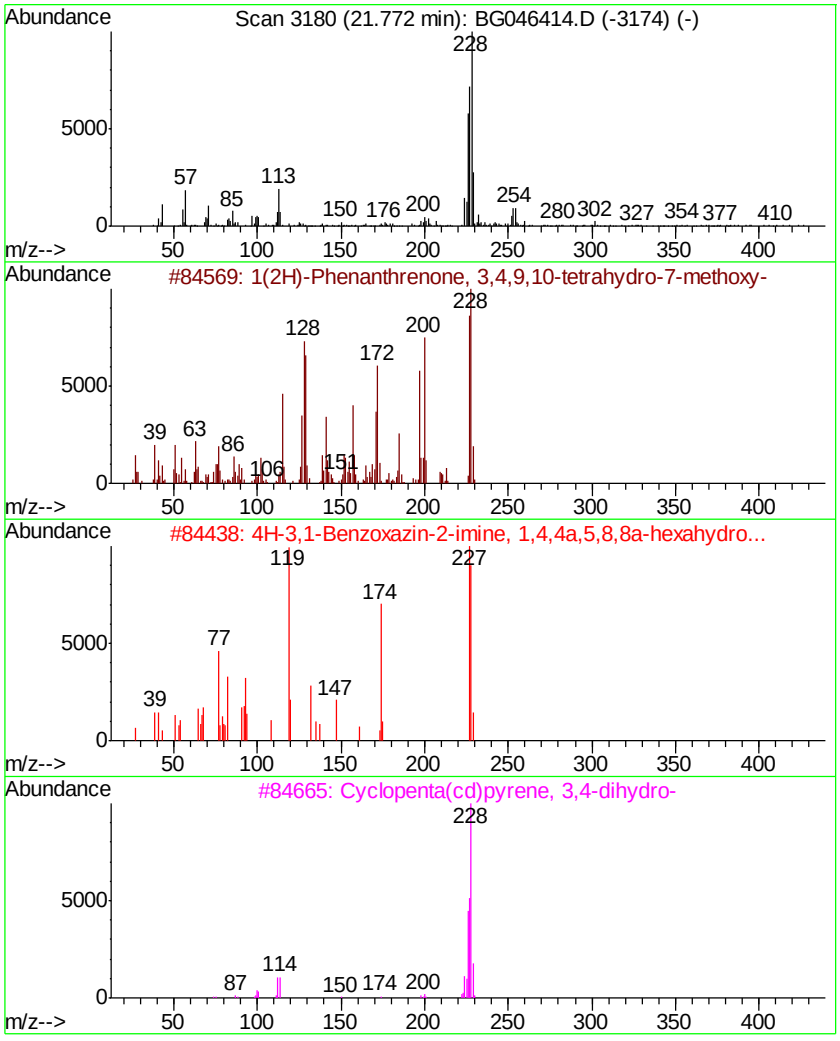
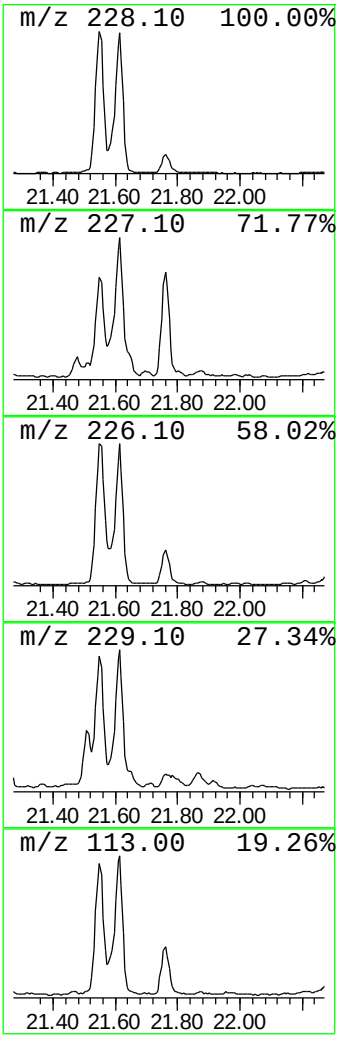
Peak Number 30 1(2H)-Phenanthrenone, 3,4,9... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.62 ng/ul	540141	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	87
2	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	58
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	52
5	Triphenylene	228	C18H12	000217-59-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046414.D
Acq On : 21 Aug 2020 15:20
Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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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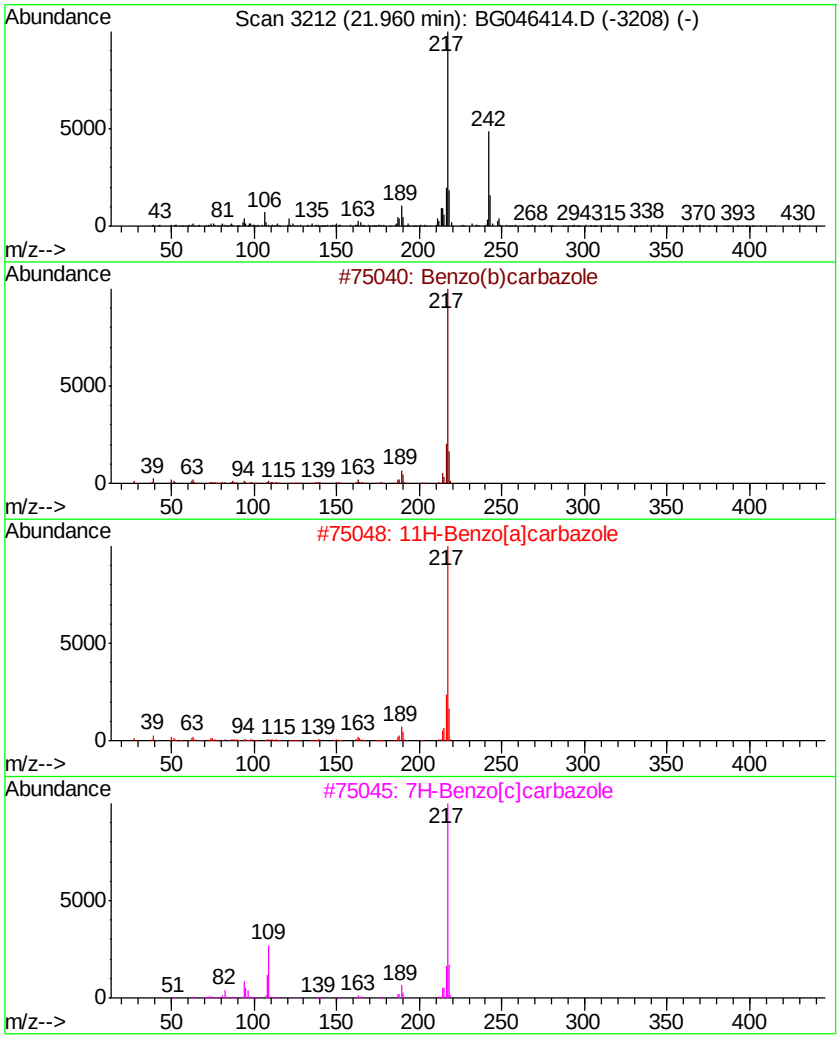
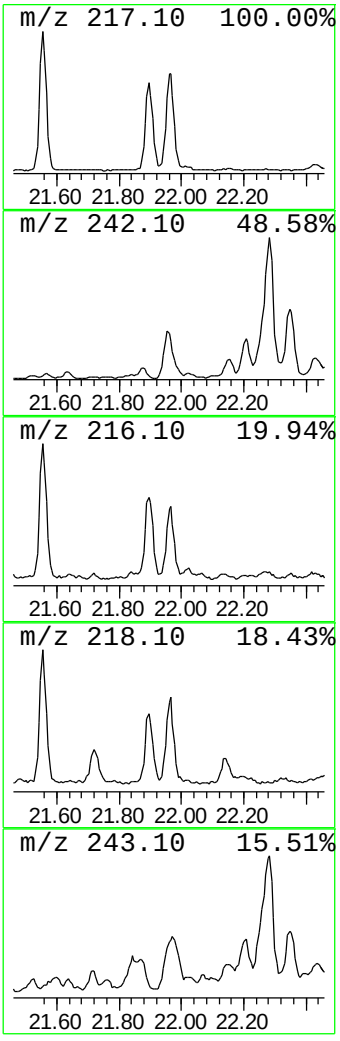
Peak Number 31 Benzo(b)carbazole Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	2.29 ng/ul	473792	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046414.D
Acq On : 21 Aug 2020 15:20
Operator : CG/JU
Sample : L3635-19
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ5

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	110.4	ng/ul	2678490	1	7.94	485298	20.0
unknown-01	3.92	2.0	ng/ul	49166	1	7.94	485298	20.0
4H-Imidazol-4-one...	7.11	20.5	ng/ul	497790	1	7.94	485298	20.0
unknown-02	7.27	14.5	ng/ul	352644	1	7.94	485298	20.0
unknown-03	7.48	20.2	ng/ul	490110	1	7.94	485298	20.0
unknown-04	8.65	24.8	ng/ul	601629	1	7.94	485298	20.0
1H-Imidazole, 4-m...	9.09	19.5	ng/ul	472478	1	7.94	485298	20.0
unknown-05	9.82	11.0	ng/ul	403081	2	10.74	735072	20.0
unknown-06	10.87	11.4	ng/ul	418530	2	10.74	735072	20.0
unknown-07	13.98	19.5	ng/ul	1034370	3	14.57	1060060	20.0
Phthalic acid, 4-...	14.02	3.5	ng/ul	182705	3	14.57	1060060	20.0
unknown-08	14.77	8.0	ng/ul	425241	3	14.57	1060060	20.0
unknown-09	15.68	4.8	ng/ul	252944	3	14.57	1060060	20.0
9H-Fluoren-9-one	16.97	2.8	ng/ul	178688	4	17.31	1277520	20.0
5H-Indeno[1,2-b]p...	17.71	3.5	ng/ul	225446	4	17.31	1277520	20.0
Anthracene, 9-met...	18.19	4.3	ng/ul	277614	4	17.31	1277520	20.0
Phenanthrene, 2-m...	18.23	8.6	ng/ul	549090	4	17.31	1277520	20.0
Dibutyl phthalate	18.28	5.7	ng/ul	361661	4	17.31	1277520	20.0
4H-Cyclopenta[def...	18.39	8.8	ng/ul	561791	4	17.31	1277520	20.0
1H-Indene, 2-phenyl-	18.42	3.2	ng/ul	202587	4	17.31	1277520	20.0
5,16[1',2']:8,13[...	18.69	5.0	ng/ul	322643	4	17.31	1277520	20.0
9,10-Anthracenedione	18.72	5.5	ng/ul	348330	4	17.31	1277520	20.0
unknown-10	18.99	2.8	ng/ul	181466	4	17.31	1277520	20.0
Phenanthrene, 2,5...	19.10	5.0	ng/ul	316299	4	17.31	1277520	20.0
Cyclopenta(def)ph...	19.24	5.8	ng/ul	368829	4	17.31	1277520	20.0
11H-Benzo[b]fluorene	20.22	2.7	ng/ul	553742	5	21.57	4129280	20.0
Pyrene, 2-methyl-	20.38	2.1	ng/ul	437605	5	21.57	4129280	20.0
11H-Benzo[a]fluor...	20.97	2.1	ng/ul	434072	5	21.57	4129280	20.0
(DEL) Alkane: Cyc...	21.23	5.1	ng/ul	1058140	5	21.57	4129280	20.0
1(2H)-Phenanthren...	21.77	2.6	ng/ul	540141	5	21.57	4129280	20.0
Benzo(b)carbazole	21.96	2.3	ng/ul	473792	5	21.57	4129280	20.0