LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046363.D
Acq On : 20 Aug 2020 3:28
Operator : CG/JU
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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	3.143	4	9	26	rVB	1273391	1990940	28.67%	2.021%
2	7.109	676	684	701	rVB	301809	557540	8.03%	0.566%
3	7.267	704	711	722	rVV	242494	418507	6.03%	0.425%
4	7.473	739	746	755	rBV	329883	567189	8.17%	0.576%
5	7.937	819	825	833	rBV	362537	587900	8.46%	0.597%
6	8.642	938	945	956	rBV	373770	652617	9.40%	0.663%
7	9.089	1012	1021	1029	rBV	301140	539028	7.76%	0.547%
8	9.811	1136	1144	1156	rBV	248754	459459	6.62%	0.466%
9	10.358	1229	1237	1248	rBV	422907	766029	11.03%	0.778%
10	10.734	1292	1301	1307	rBV	505149	916433	13.19%	0.930%
11	10.787	1307	1310	1316	rVV	80837	123456	1.78%	0.125%
12	10.863	1316	1323	1339	rVB	281787	543141	7.82%	0.551%
13	12.614	1610	1621	1628	rBV	68238	119697	1.72%	0.122%
14	13.889	1829	1838	1843	rBV	87934	155783	2.24%	0.158%
15	13.971	1843	1852	1856	rVV	781743	1176770	16.94%	1.195%
16	14.018	1856	1860	1865	rVB	189564	263475	3.79%	0.267%
17	14.259	1893	1901	1918	rBV	940257	1606929	23.14%	1.631%
18	14.565	1943	1953	1959	rVV	864090	1358371	19.56%	1.379%
19	14.629	1959	1964	1971	rVV	150247	253289	3.65%	0.257%
20	14.764	1980	1987	1998	rVV	234392	458150	6.60%	0.465%
21	14.964	2015	2021	2029	rVV	194658	323008	4.65%	0.328%
22	15.558	2114	2122	2127	rVV	1252947	1872682	26.96%	1.901%
23	15.610	2127	2131	2137	rVV	205205	334275	4.81%	0.339%
24	15.675	2137	2142	2150	rVV	271203	458082	6.60%	0.465%
25	15.910	2177	2182	2191	rVV	112012	200828	2.89%	0.204%
26	16.057	2200	2207	2214	rVV	120079	256582	3.69%	0.260%
27	16.286	2239	2246	2259	rVB10	66561	140511	2.02%	0.143%
28	16.850	2333	2342	2345	rBV3	75192	148582	2.14%	0.151%
29	16.962	2356	2361	2369	rVB	444449	659809	9.50%	0.670%
30	17.044	2369	2375	2377	rBV2	73598	122849	1.77%	0.125%
31	17.126	2384	2389	2399	rVB	193226	327122	4.71%	0.332%
32	17.308	2414	2420	2423	rBV	970673	1507857	21.71%	1.531%
33	17.355	2423	2428	2433	rVV	3658042	5704842	82.14%	5.791%
34	17.408	2433	2437	2441	rVV	1260232	1915437	27.58%	1.944%

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Misc :
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Instrument : BNA_G
ClientSampleId : BFMA5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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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	17.444	2441	2443	2448	rVB	335309	394327	5.68%	0.400%
36	17.708	2479	2488	2492	rBV2	237583	431501	6.21%	0.438%
37	17.831	2502	2509	2514	rVB2	169592	258846	3.73%	0.263%
38	17.890	2514	2519	2528	rVB2	151441	253512	3.65%	0.257%
39	18.107	2551	2556	2560	rBV2	85415	121482	1.75%	0.123%
40	18.184	2563	2569	2573	rBV	610052	897832	12.93%	0.911%
41	18.231	2573	2577	2585	rVB	798188	1187547	17.10%	1.206%
42	18.313	2586	2591	2596	rVB	127416	174136	2.51%	0.177%
43	18.378	2596	2602	2606	rBV2	647574	1222273	17.60%	1.241%
44	18.413	2606	2608	2614	rVB	439400	569931	8.21%	0.579%
45	18.501	2616	2623	2626	rBV2	66833	149871	2.16%	0.152%
46	18.683	2649	2654	2657	rBV	626015	876503	12.62%	0.890%
47	18.719	2657	2660	2667	rVB	762538	1084668	15.62%	1.101%
48	18.930	2692	2696	2700	rVV2	141271	172517	2.48%	0.175%
49	18.977	2701	2704	2708	rVB	108702	132681	1.91%	0.135%
50	19.018	2708	2711	2715	rVB	120587	156706	2.26%	0.159%
51	19.100	2719	2725	2730	rBV	423399	709035	10.21%	0.720%
52	19.159	2730	2735	2738	rVV4	115103	238055	3.43%	0.242%
53	19.194	2738	2741	2744	rVB	109903	127275	1.83%	0.129%
54	19.241	2744	2749	2757	rVB	497444	806848	11.62%	0.819%
55	19.365	2761	2770	2776	rVB	4461459	6886688	99.15%	6.991%
56	19.429	2776	2781	2783	rBV	105641	146337	2.11%	0.149%
57	19.459	2783	2786	2791	rVB2	138098	200207	2.88%	0.203%
58	19.512	2791	2795	2798	rBV	231170	295482	4.25%	0.300%
59	19.559	2798	2803	2807	rBV2	211405	308149	4.44%	0.313%
60	19.606	2807	2811	2814	rVV	98901	121755	1.75%	0.124%
61	19.694	2821	2826	2828	rBV2	2054311	2963503	42.67%	3.008%
62	19.729	2828	2832	2838	rVV	4453622	6945527	100.00%	7.051%
63	19.794	2838	2843	2850	rVB2	248348	437153	6.29%	0.444%
64	19.900	2856	2861	2866	rBV	245372	359624	5.18%	0.365%
65	19.958	2867	2871	2878	rVB2	204315	330268	4.76%	0.335%
66	20.052	2879	2887	2892	rBV2	372764	1008672	14.52%	1.024%
67	20.182	2904	2909	2911	rBV3	262895	471894	6.79%	0.479%
68	20.211	2911	2914	2919	rVB2	445013	652509	9.39%	0.662%
69	20.311	2927	2931	2935	rBV2	178964	254470	3.66%	0.258%
70	20.370	2935	2941	2946	rVV2	540933	913126	13.15%	0.927%
71	20.452	2952	2955	2960	rVB3	88586	129060	1.86%	0.131%

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Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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
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Peak separation: 5

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Title : SVOA CALIBRATION

72	20.511	2961	2965	2969	rBV	341271	442182	6.37%	0.449%
73	20.558	2969	2973	2977	rVB	343218	460034	6.62%	0.467%
74	20.763	3005	3008	3011	rBV3	82659	125592	1.81%	0.127%
75	20.969	3038	3043	3050	rVB	652562	973656	14.02%	0.988%
76	21.145	3066	3073	3077	rBV2	349614	851403	12.26%	0.864%
77	21.192	3077	3081	3084	rVV	504609	746051	10.74%	0.757%
78	21.233	3084	3088	3093	rVV2	562153	996926	14.35%	1.012%
79	21.292	3093	3098	3111	rVB	588494	1030201	14.83%	1.046%
80	21.545	3130	3141	3147	rBV3	2134943	5380098	77.46%	5.462%
81	21.603	3147	3151	3164	rVB	2107699	3828794	55.13%	3.887%
82	21.756	3172	3177	3182	rBV3	142027	325365	4.68%	0.330%
83	21.809	3182	3186	3192	rVV	229005	410803	5.91%	0.417%
84	21.950	3205	3210	3216	rBV3	234134	458912	6.61%	0.466%
85	22.015	3218	3221	3226	rVB4	84523	135826	1.96%	0.138%
86	22.197	3248	3252	3256	rBV3	84455	131689	1.90%	0.134%
87	22.267	3256	3264	3270	rVV	352899	771229	11.10%	0.783%
88	22.338	3271	3276	3283	rVB2	361633	728203	10.48%	0.739%
89	22.532	3304	3309	3312	rBV	177710	301333	4.34%	0.306%
90	22.673	3328	3333	3345	rVB2	155501	372233	5.36%	0.378%
91	23.307	3435	3441	3442	rBV	63492	123862	1.78%	0.126%
92	23.695	3497	3507	3513	rBV2	1478834	4948696	71.25%	5.024%
93	23.930	3541	3547	3559	rVB	238523	564855	8.13%	0.573%
94	24.130	3576	3581	3597	rBV4	86664	345239	4.97%	0.350%
95	24.382	3615	3624	3630	rBV	877822	2318252	33.38%	2.353%
96	24.459	3631	3637	3642	rVV	735940	1878077	27.04%	1.907%
97	24.529	3642	3649	3660	rVB	1263880	3439573	49.52%	3.492%
98	24.670	3663	3673	3679	rBV2	636142	1862300	26.81%	1.891%
99	28.190	4259	4272	4292	rVB2	574221	2787735	40.14%	2.830%
100	29.277	4446	4457	4483	rVB2	407814	1890767	27.22%	1.919%

Sum of corrected areas: 98507025

LSC Report - Integrated Chromatogram

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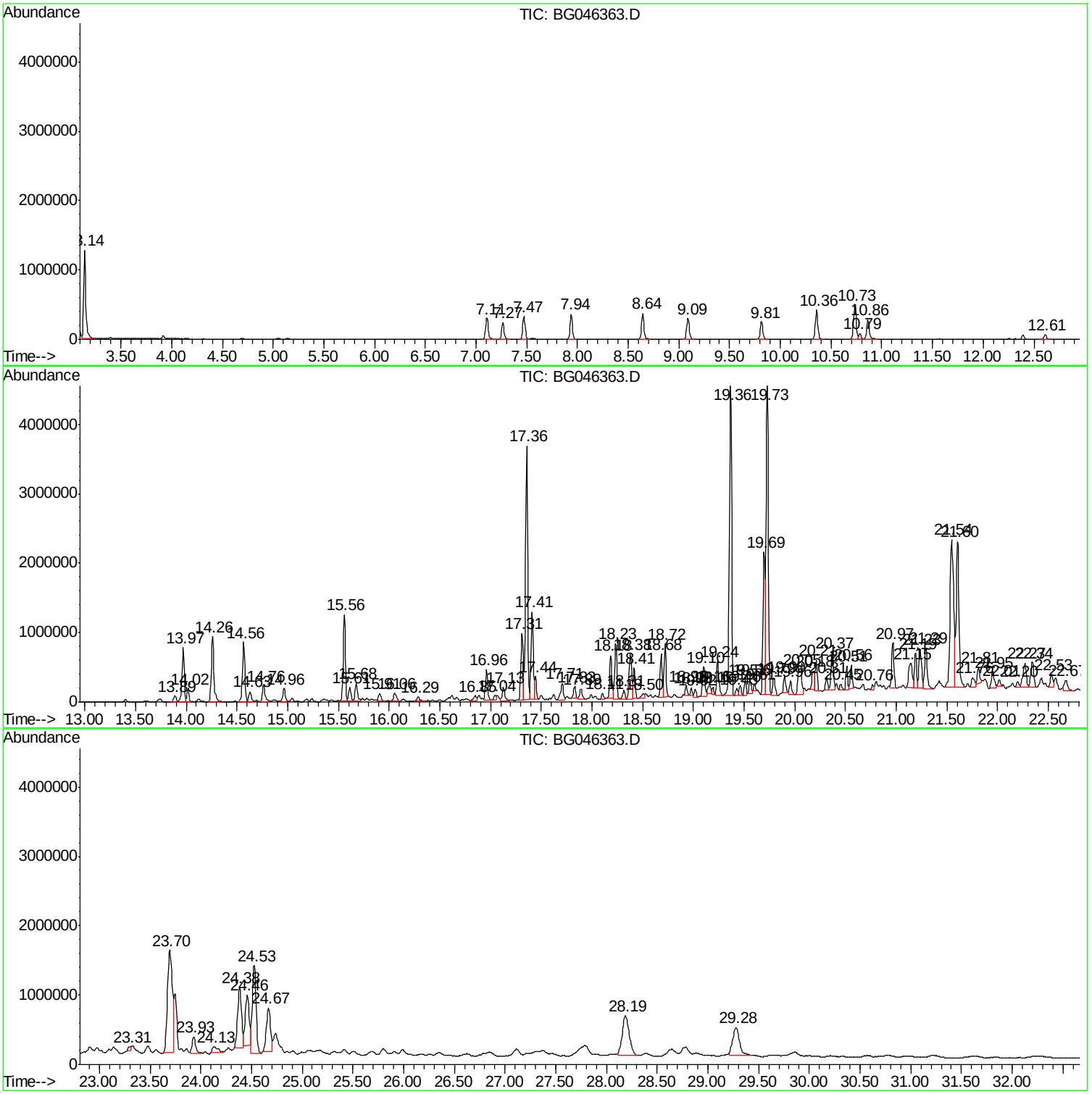
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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

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Quant Title : SVOA CALIBRATION

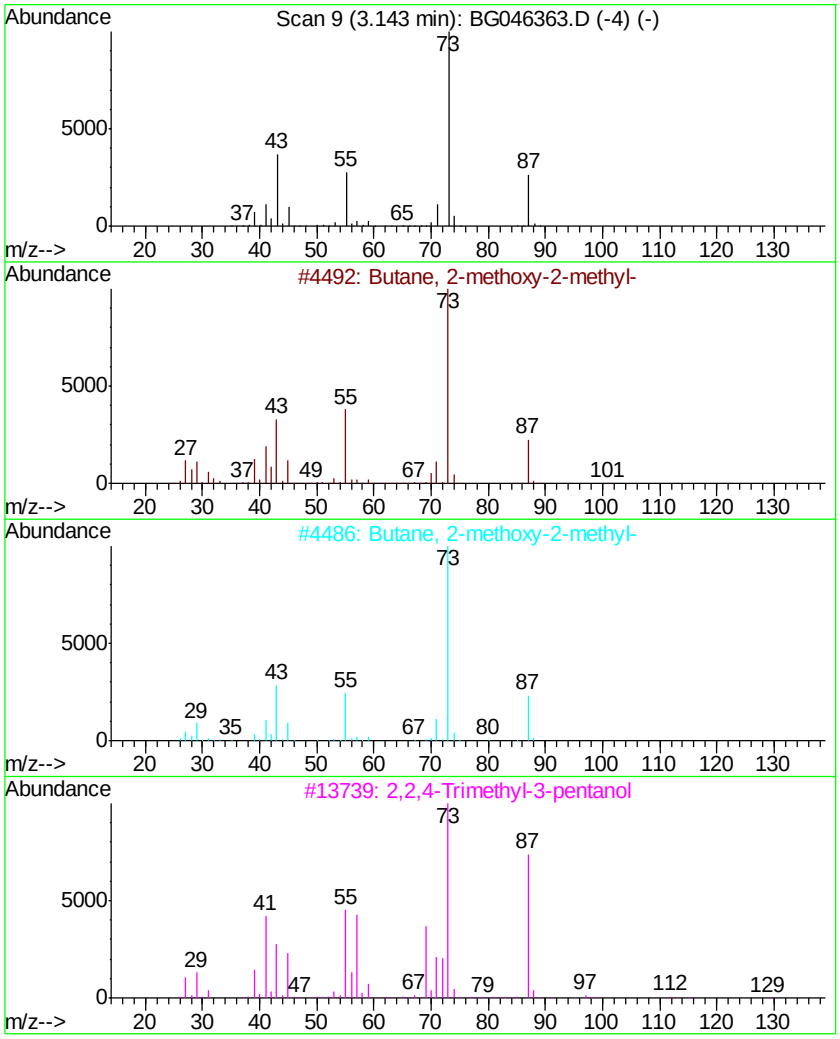
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

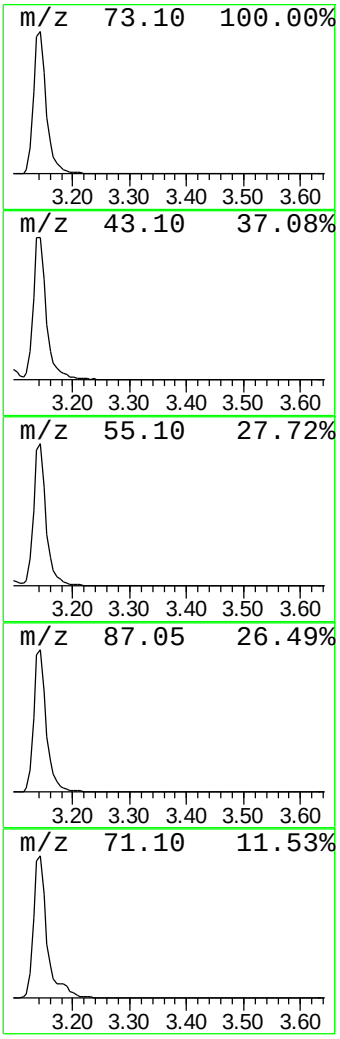
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	67.73 ng/ul	1990940	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





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Instrument : BNA_G
ClientSampleId : BFMA5

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

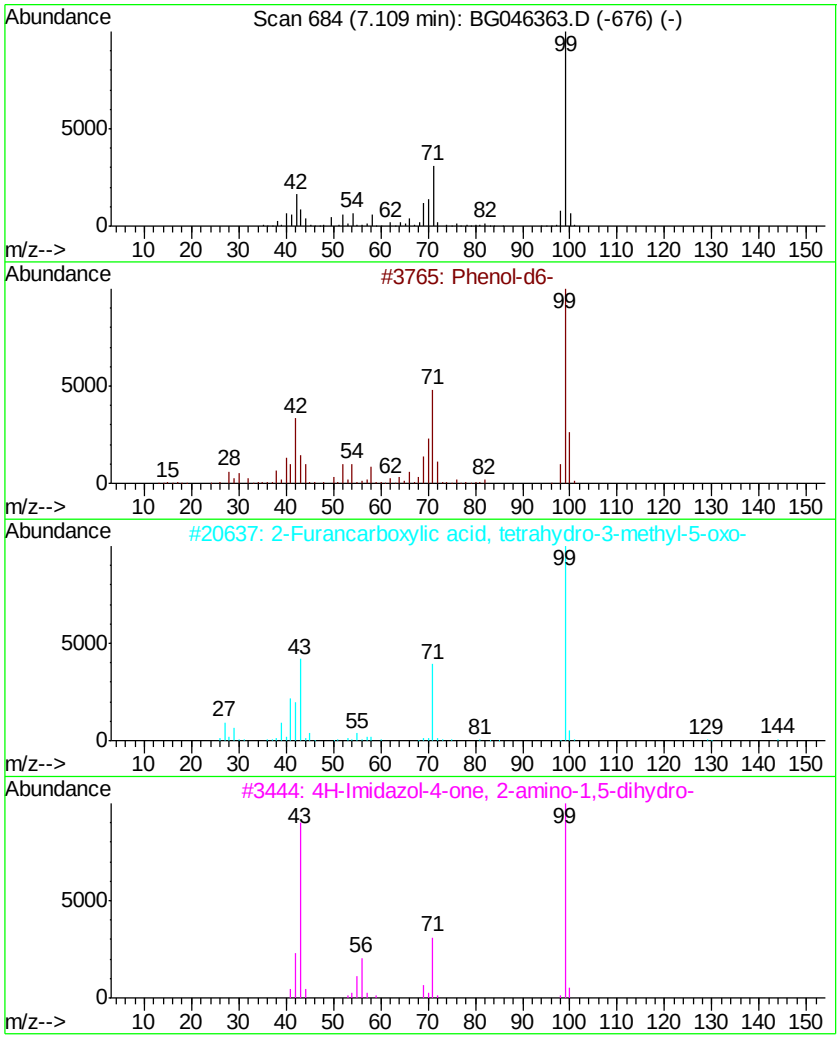
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

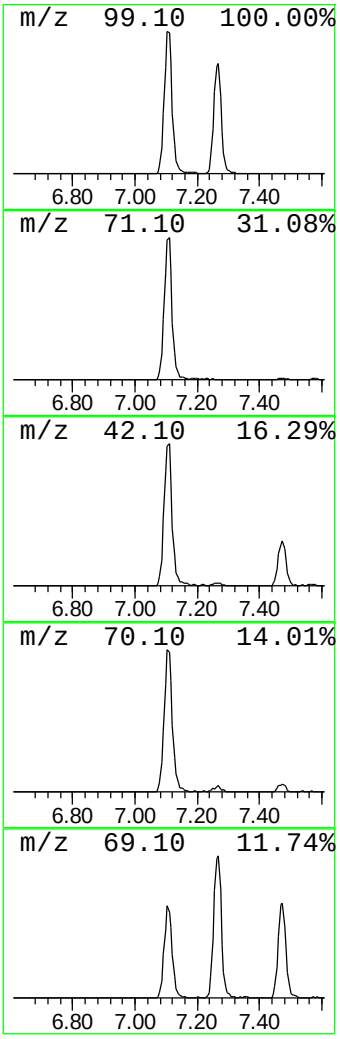
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	18.97 ng/ul	557540	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol-d6-	100	C6D6O	013127-88-3	64
2	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
3	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	59
4	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	45
5	n-Heptyl methylphosphonofluoridate	196	C8H18FO2P	162085-82-7	42





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Quant Title : SVOA CALIBRATION

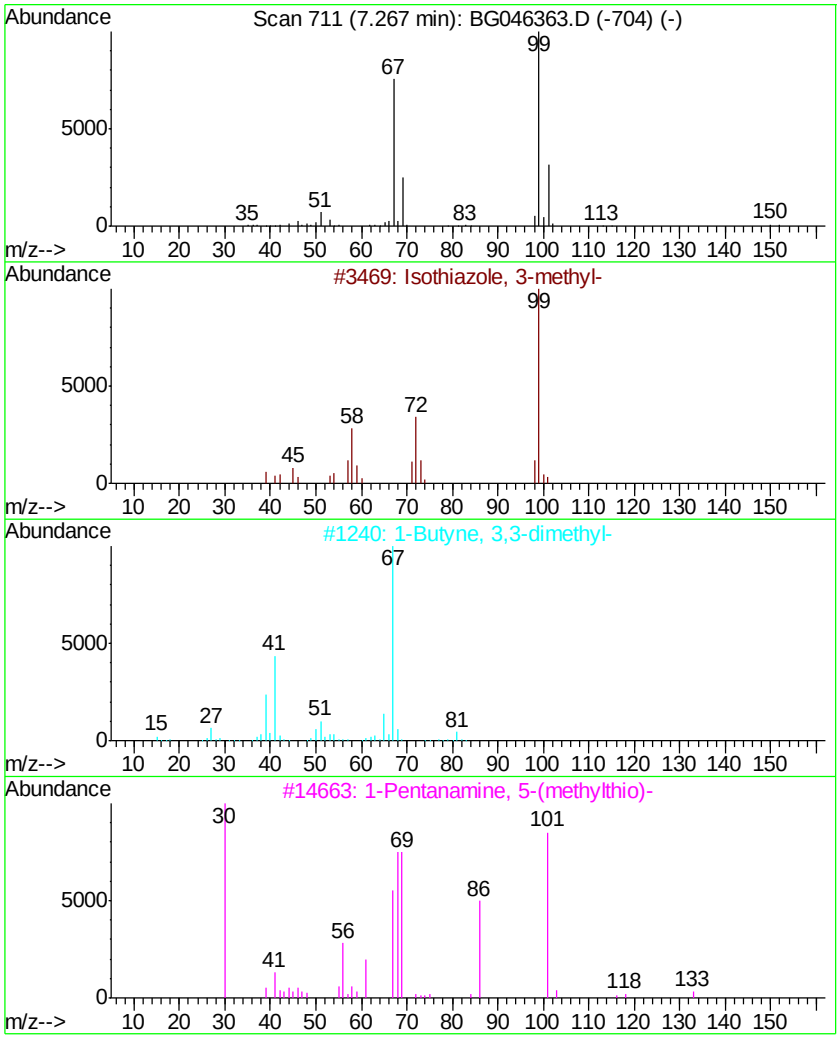
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

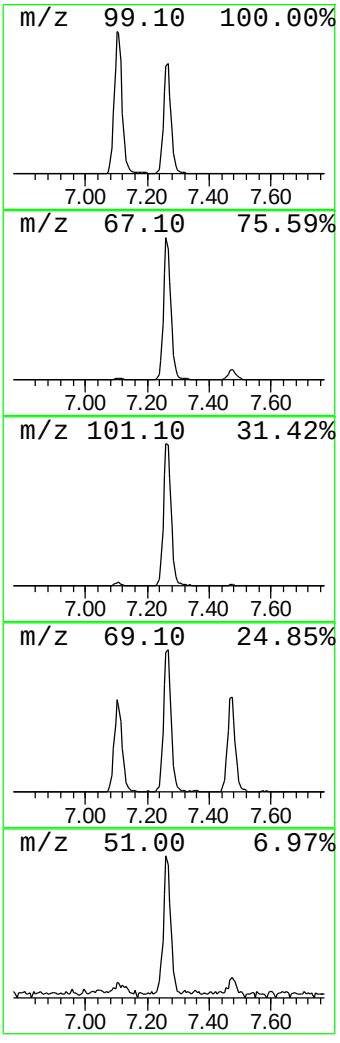
****

Peak Number 3 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	14.24 ng/ul	418507	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
2	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	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	Methyl 2-butynoate	98	C5H6O2	023326-27-4	5





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Instrument : BNA_G
ClientSampleId : BFMA5

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

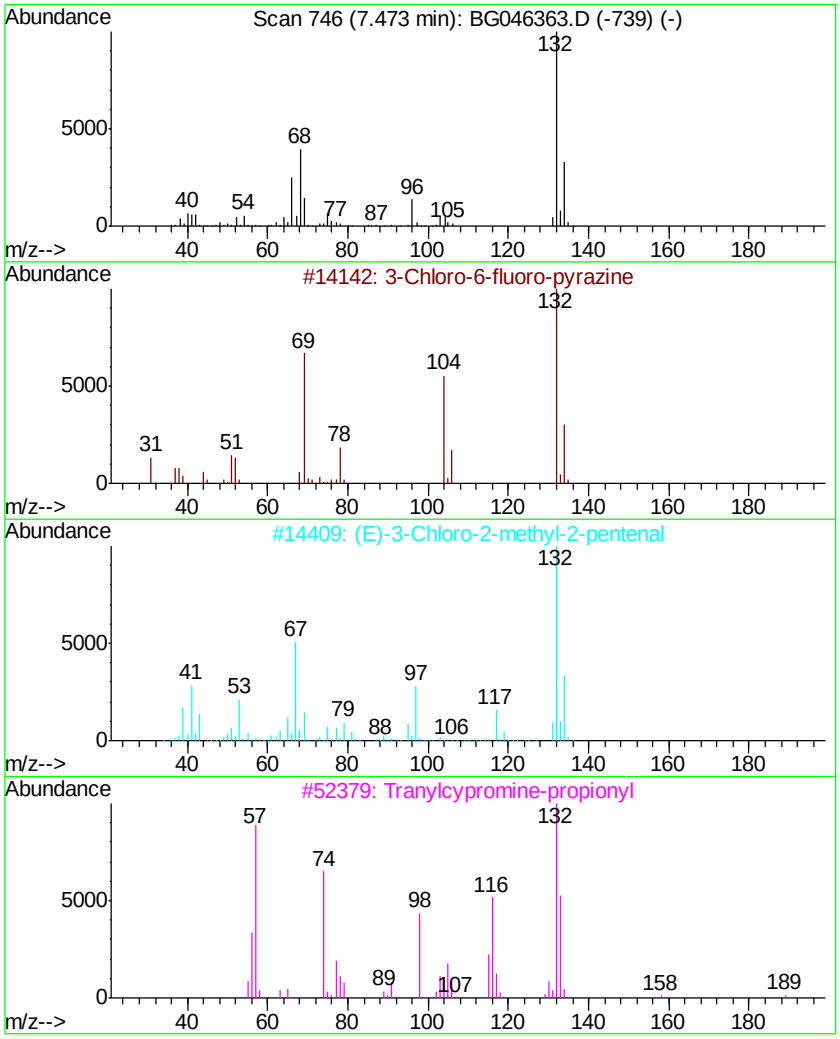
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

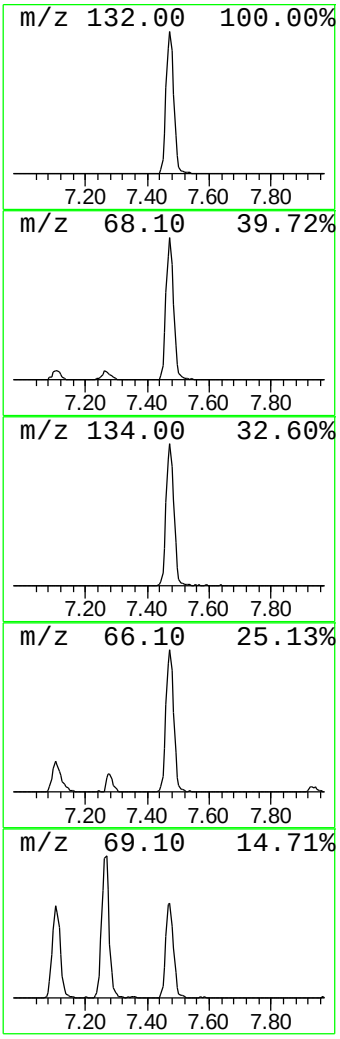
****

Peak Number 4 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	19.30 ng/ul	567189	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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BFMA5

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

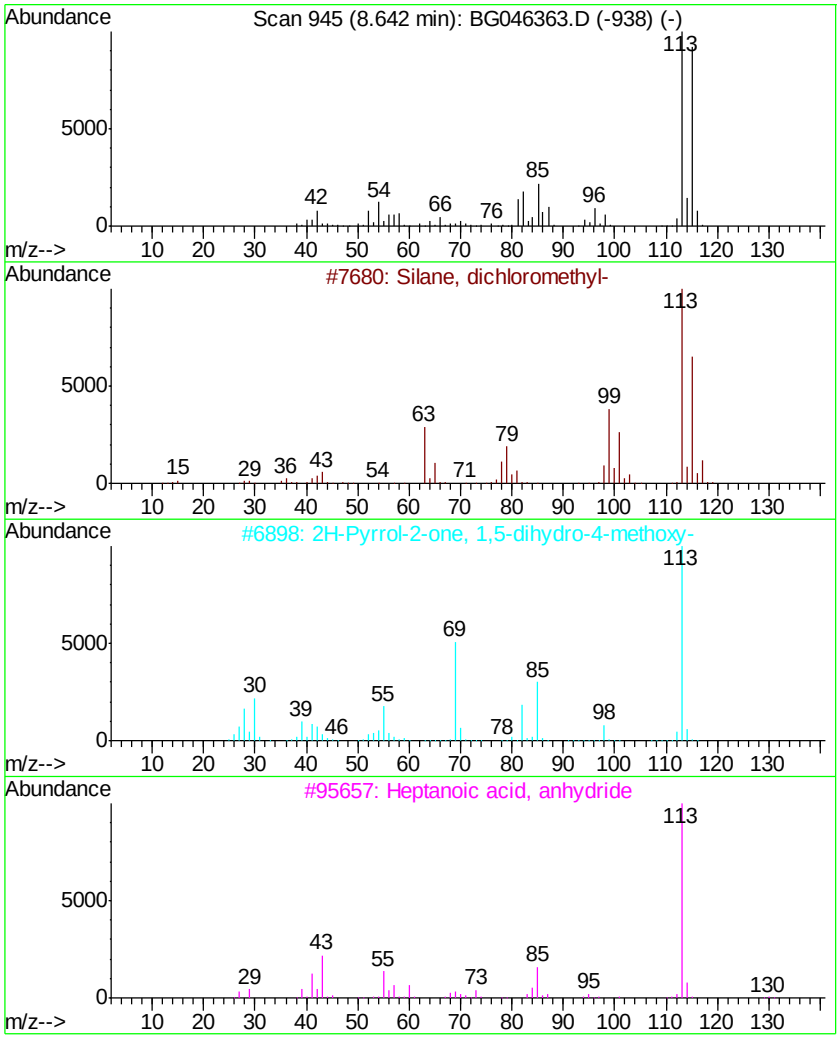
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

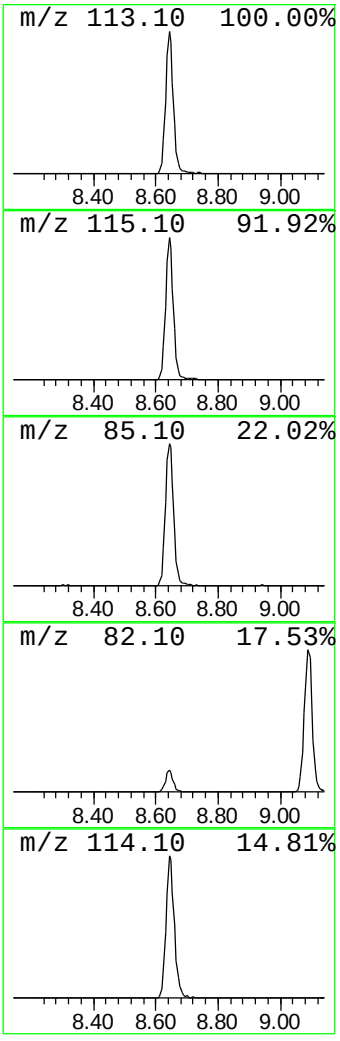
****

Peak Number 5 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	22.20 ng/ul	652617	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	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
3	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32
4	Butanedioic acid, dimethyl ester	146	C6H10O4	000106-65-0	17
5	Piperidine-2,5-dione	113	C5H7NO2	052065-78-8	17





Library Search Compound Report

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Acq On : 20 Aug 2020 3:28
Operator : CG/JU
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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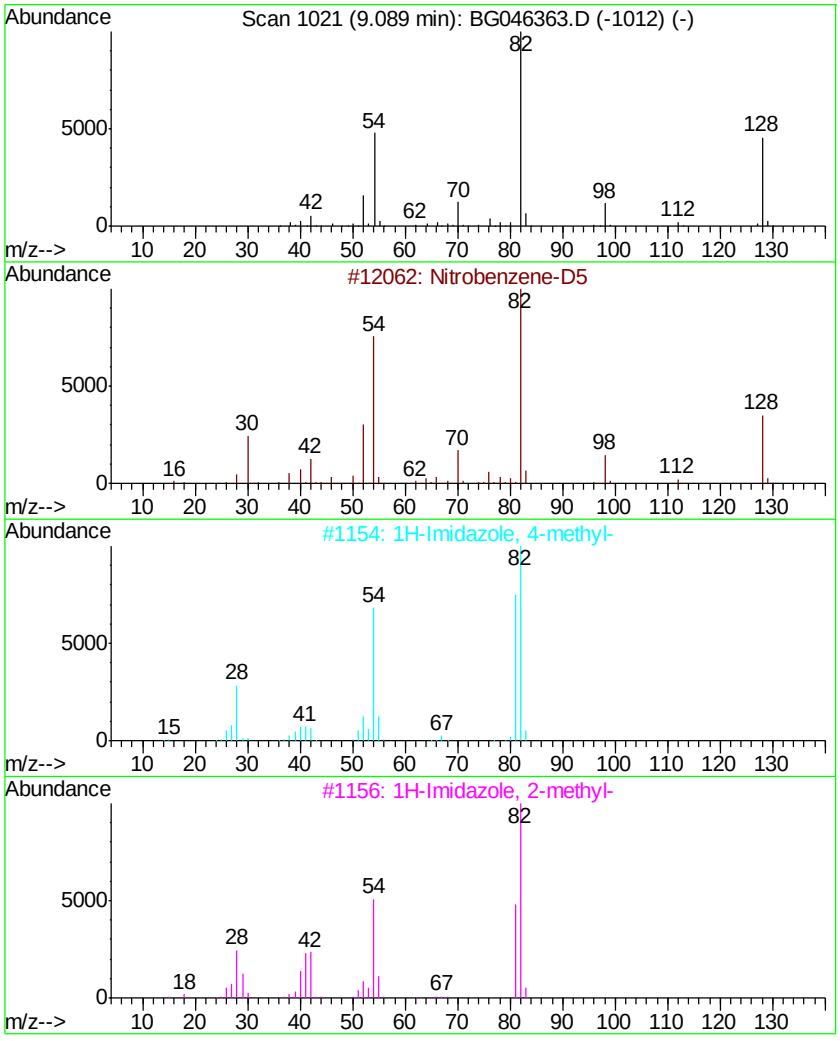
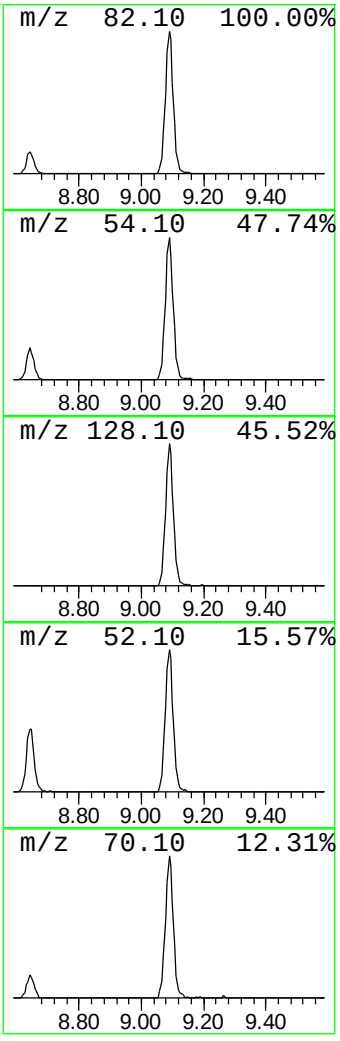
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	18.34 ng/ul	539028	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	87
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33
4	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	12
5	Hexanedinitrile, 2-methyl-	122	C7H10N2	016525-39-6	9





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ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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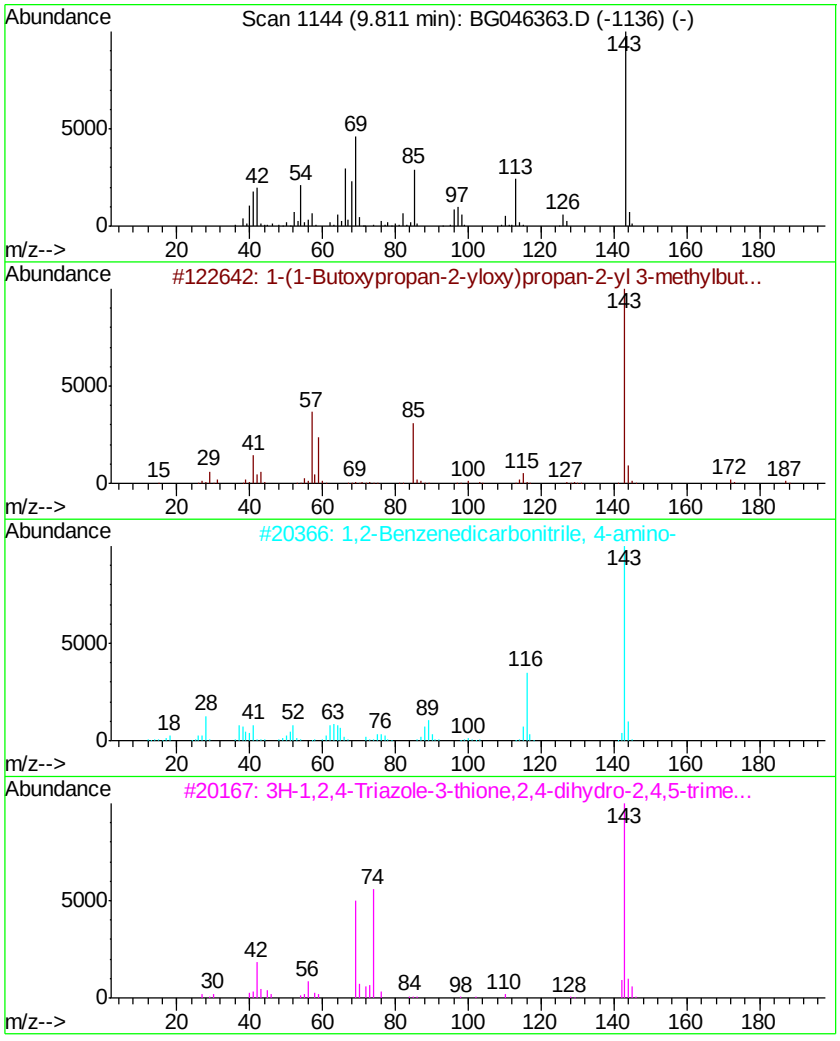
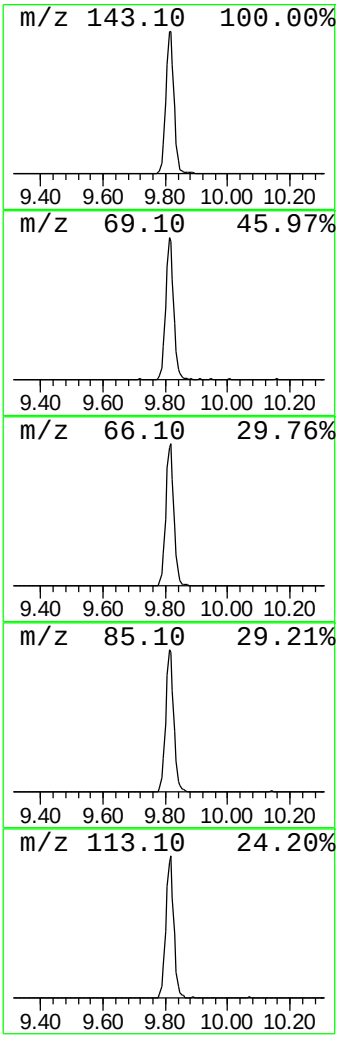
Peak Number 7 unknown-04 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	10.03 ng/ul	459459	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	27
2	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
3	3H-1,2,4-Triazole-3-thione,2,4-d...	143	C5H9N3S	037526-42-4	12
4	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12
5	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10





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Quant Title : SVOA CALIBRATION

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

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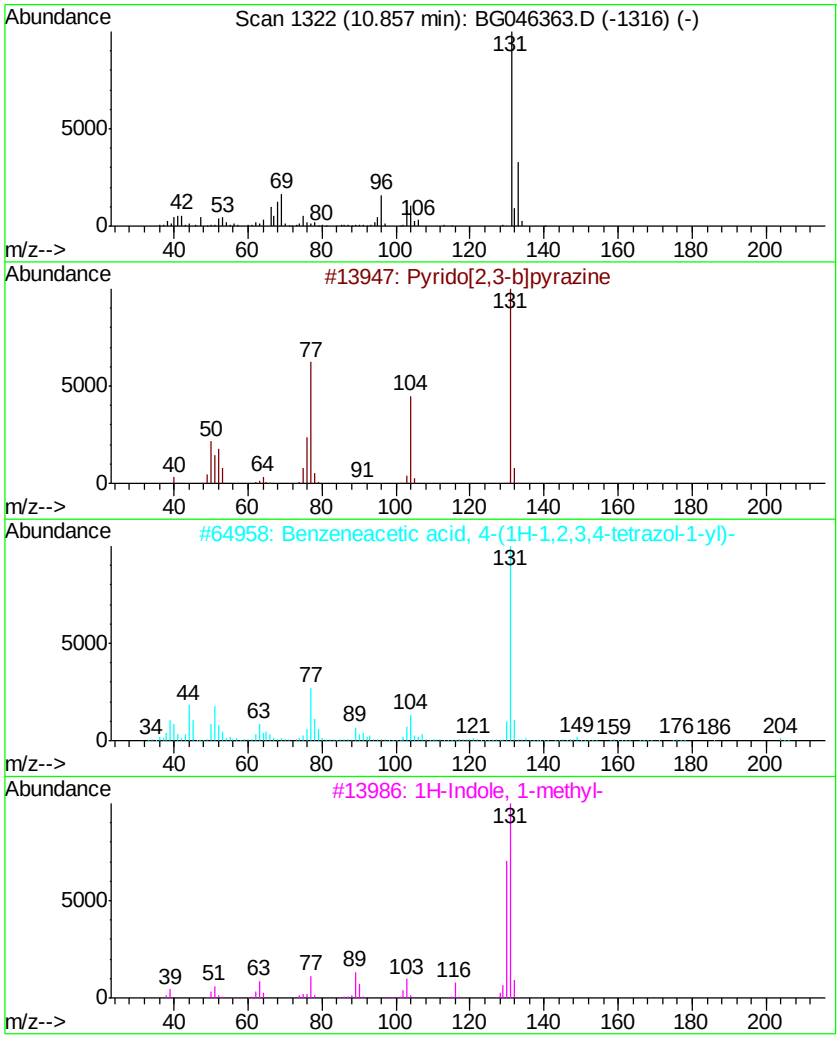
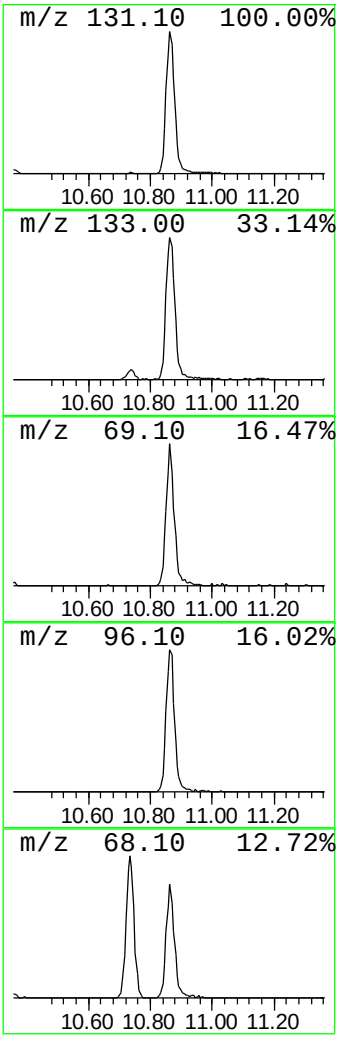
Peak Number 8 unknown-05 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	11.85 ng/ul	543141	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	28
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	25
4	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
5	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9





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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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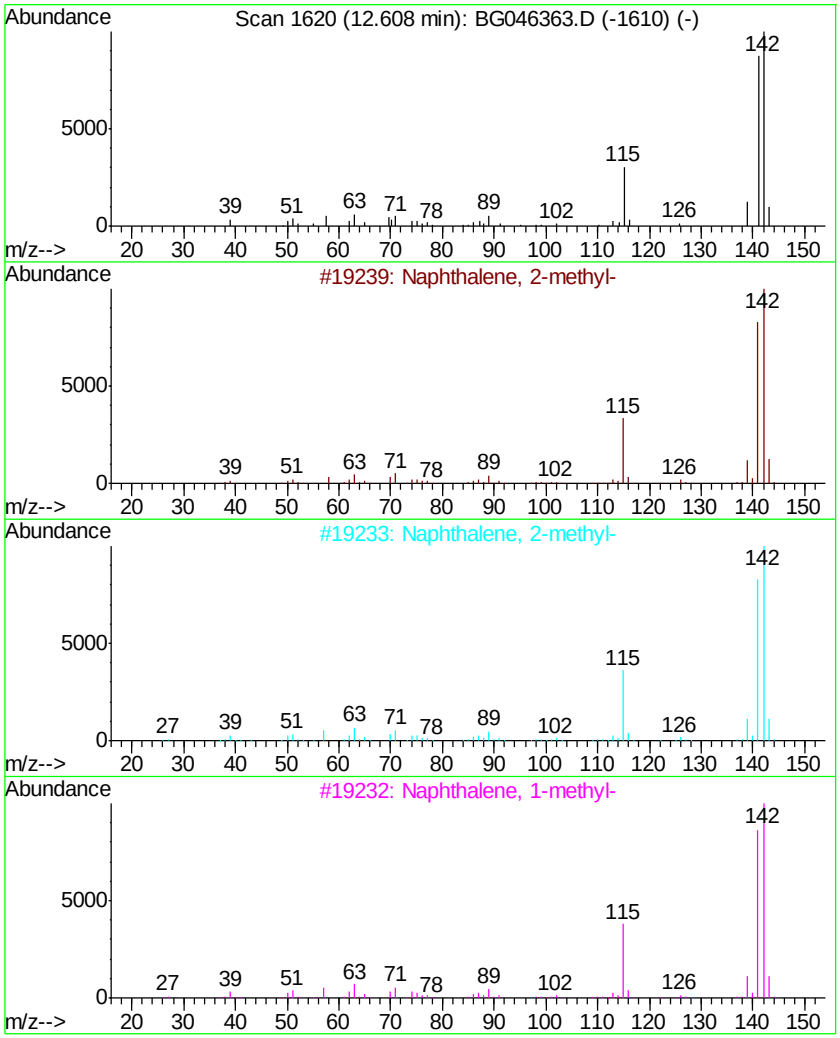
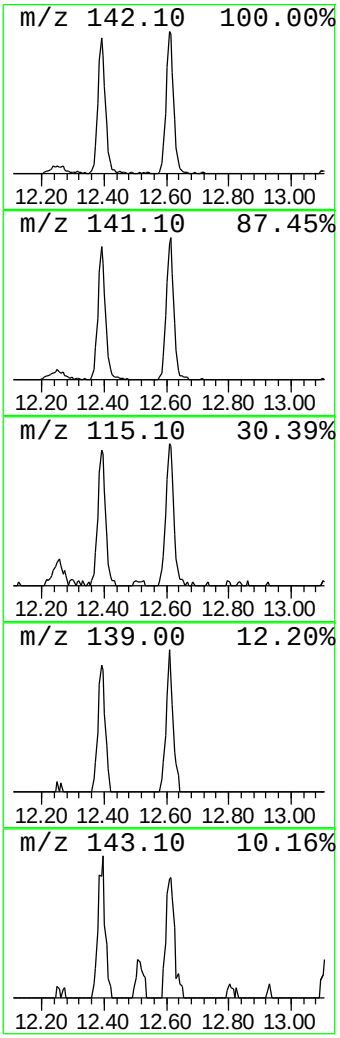
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	2.61 ng/ul	119697	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	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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Sample : L3633-07
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ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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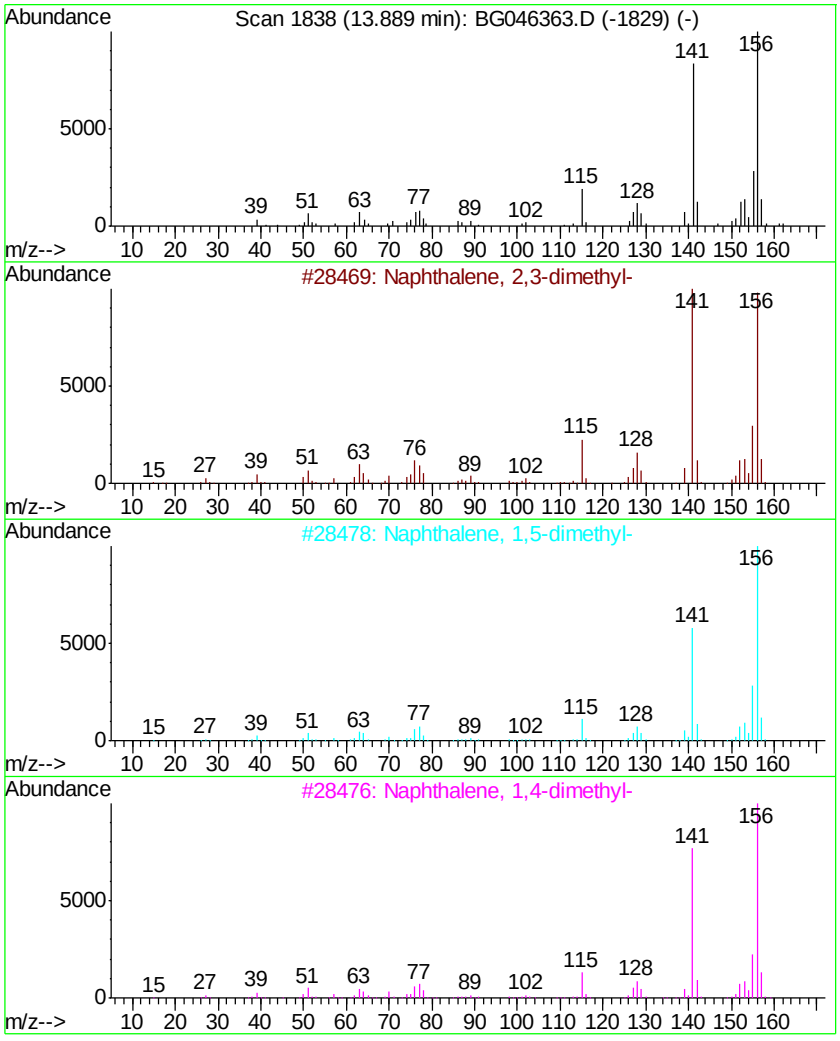
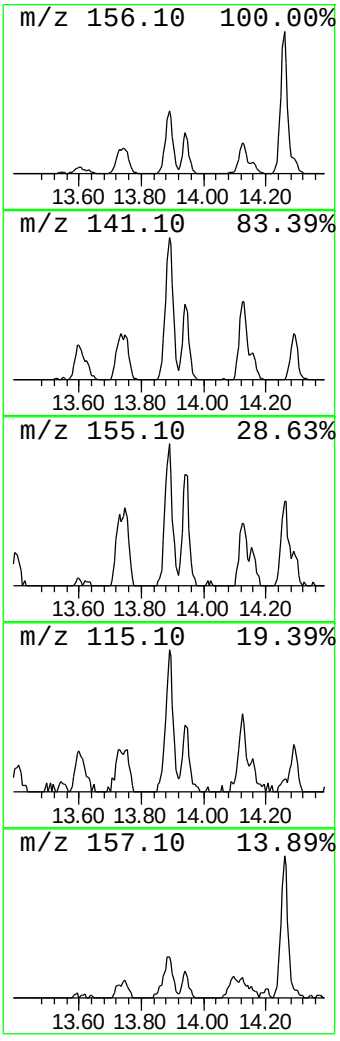
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.29 ng/ul	155783	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	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 : BFMA5

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Quant Title : SVOA CALIBRATION

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

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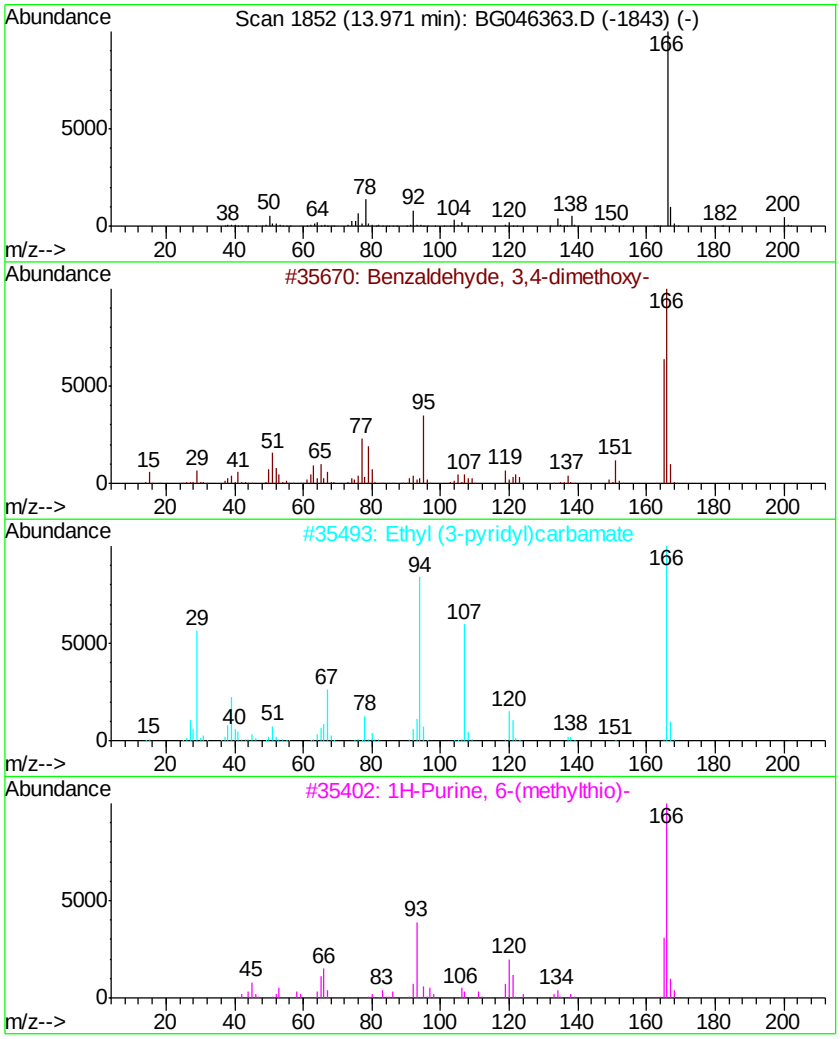
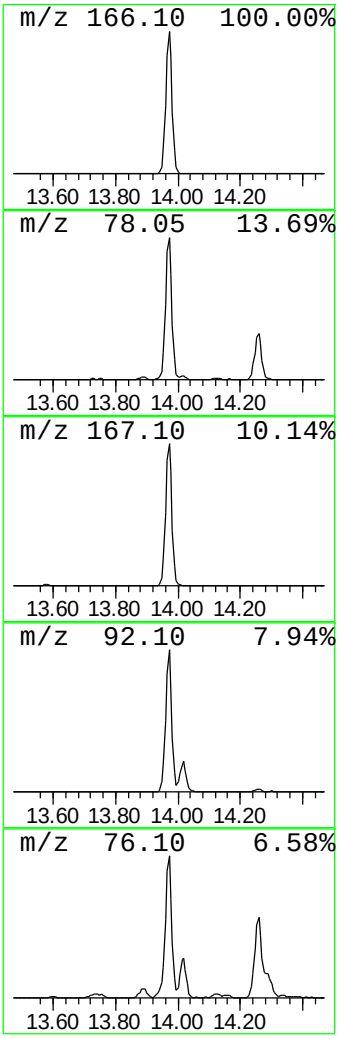
Peak Number 11 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	17.33 ng/ul	1176770	Acenaphthene-d10	14.56

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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Sample : L3633-07
Misc :
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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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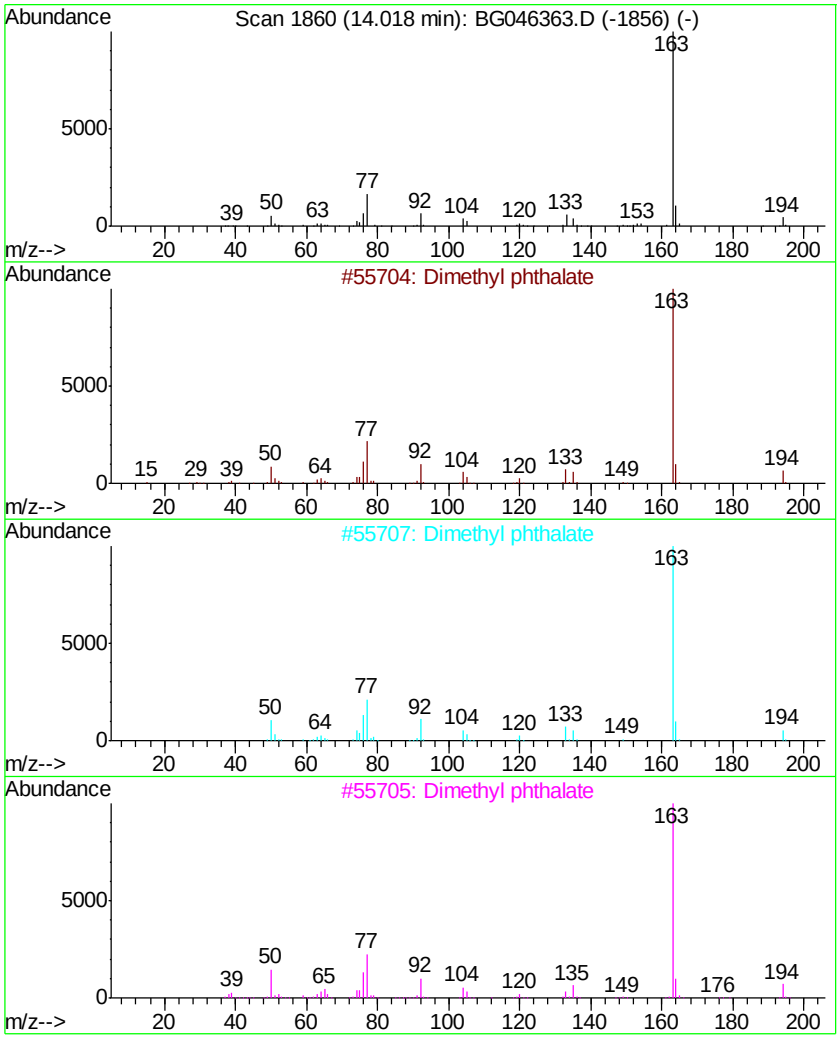
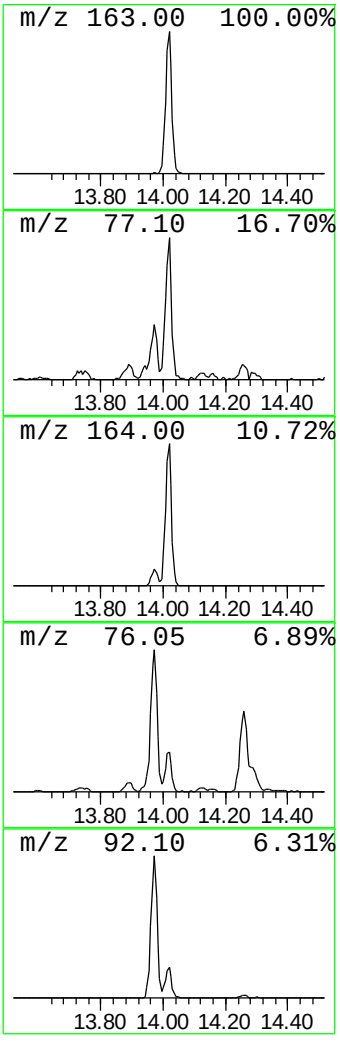
Peak Number 12 Dimethyl phthalate Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.88 ng/ul	263475	Acenaphthene-d10	14.56

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	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
4	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	78
5	Phthalic acid, 4-isopropylphenyl...	298	C18H18O4	1000315-65-7	78





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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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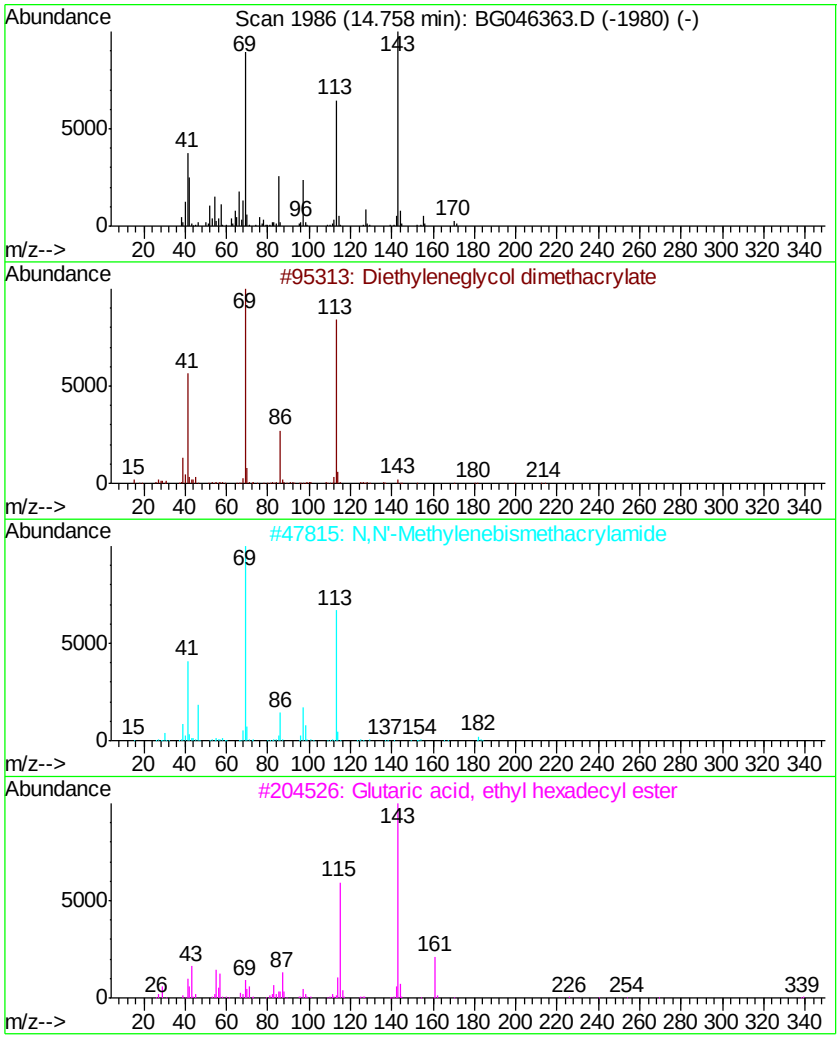
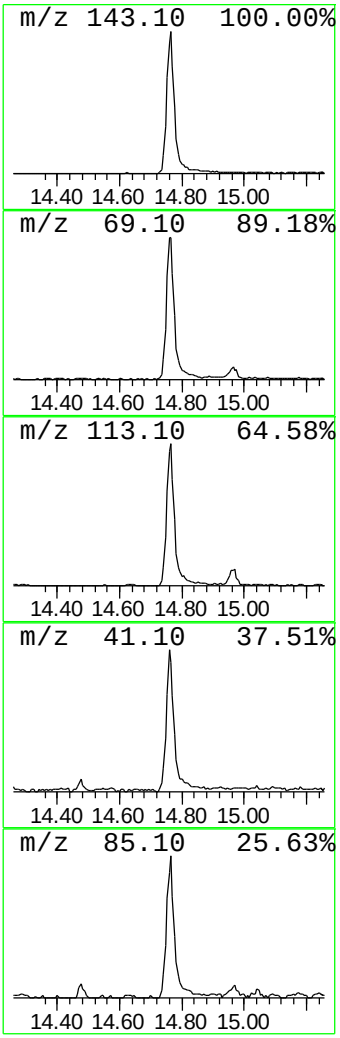
Peak Number 13 unknown-07 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	6.75 ng/ul	458150	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
2	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
3	Glutaric acid, ethyl hexadecyl e...	384	C23H44O4	1000358-35-6	22
4	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	16
5	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	14





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Quant Title : SVOA CALIBRATION

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

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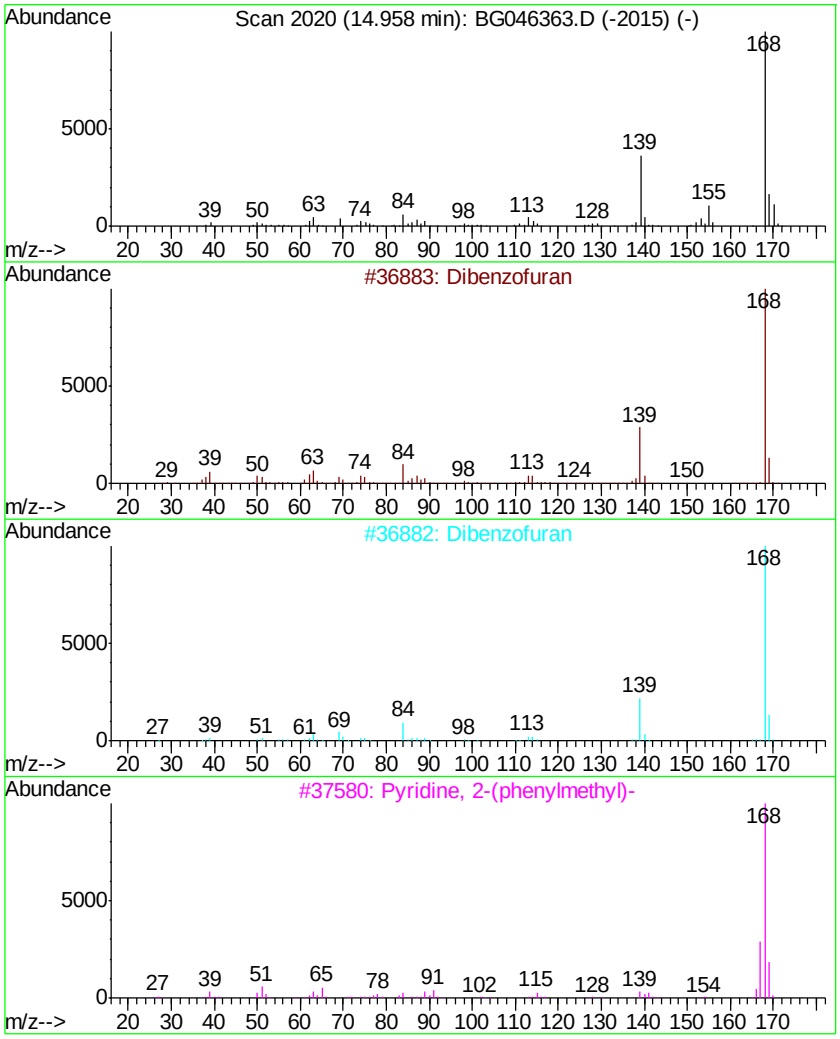
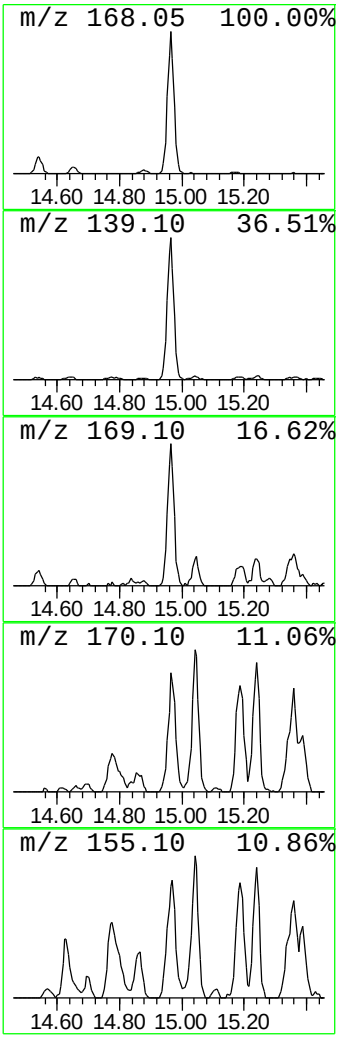
Peak Number 14 Dibenzofuran Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	4.76 ng/ul	323008	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	74
2	Dibenzofuran	168	C12H8O	000132-64-9	72
3	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	50
4	1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	47
5	3,6-Diazahomoadamantan-9-ol	168	C9H16N2O	138023-21-9	47





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ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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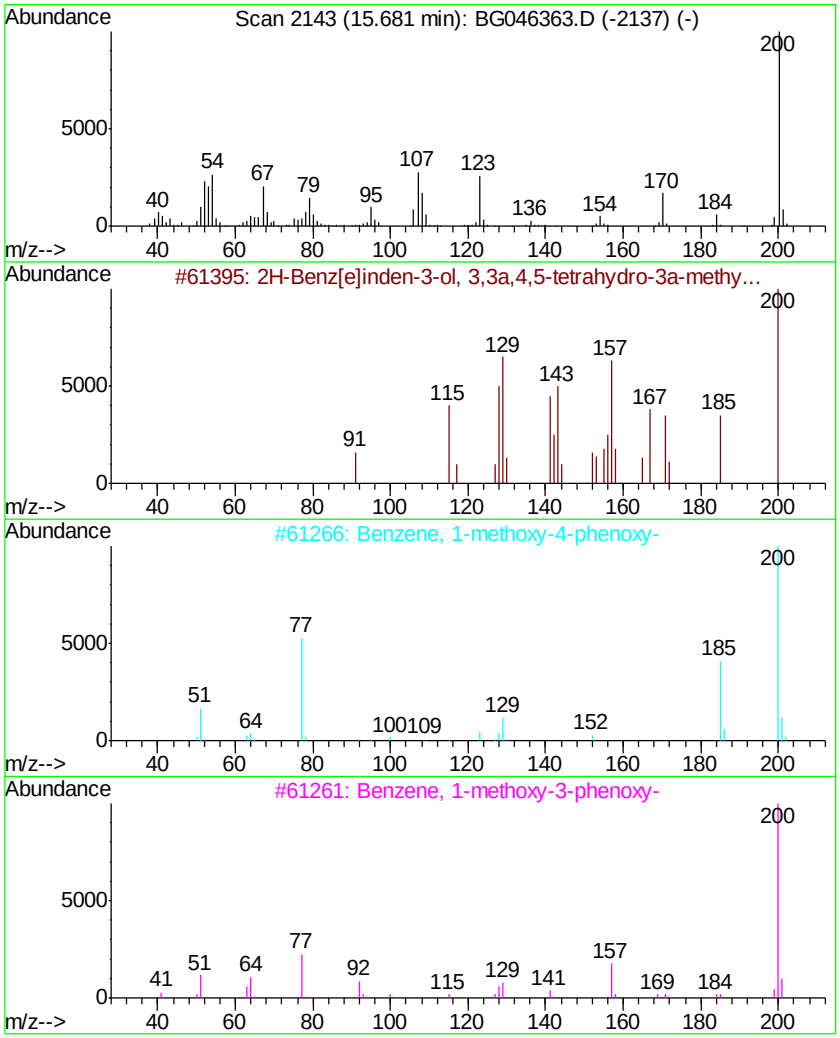
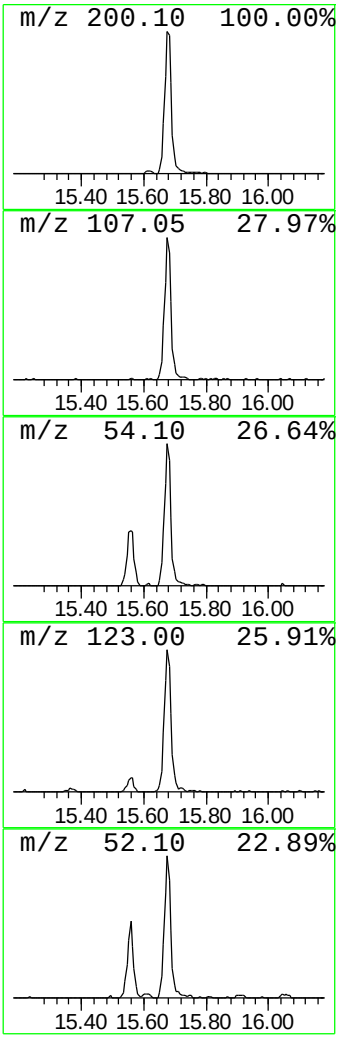
Peak Number 15 unknown-08 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	6.74 ng/ul	458082	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	38
2	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	25
3	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	22
4	1,4-Benzenedicarbonitrile, 2,3,5...	200	C8F4N2	001835-49-0	22
5	7,8-Dimethylfurazano[f]quinoxaline	200	C10H8N4O	1000110-74-6	16





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Quant Title : SVOA CALIBRATION

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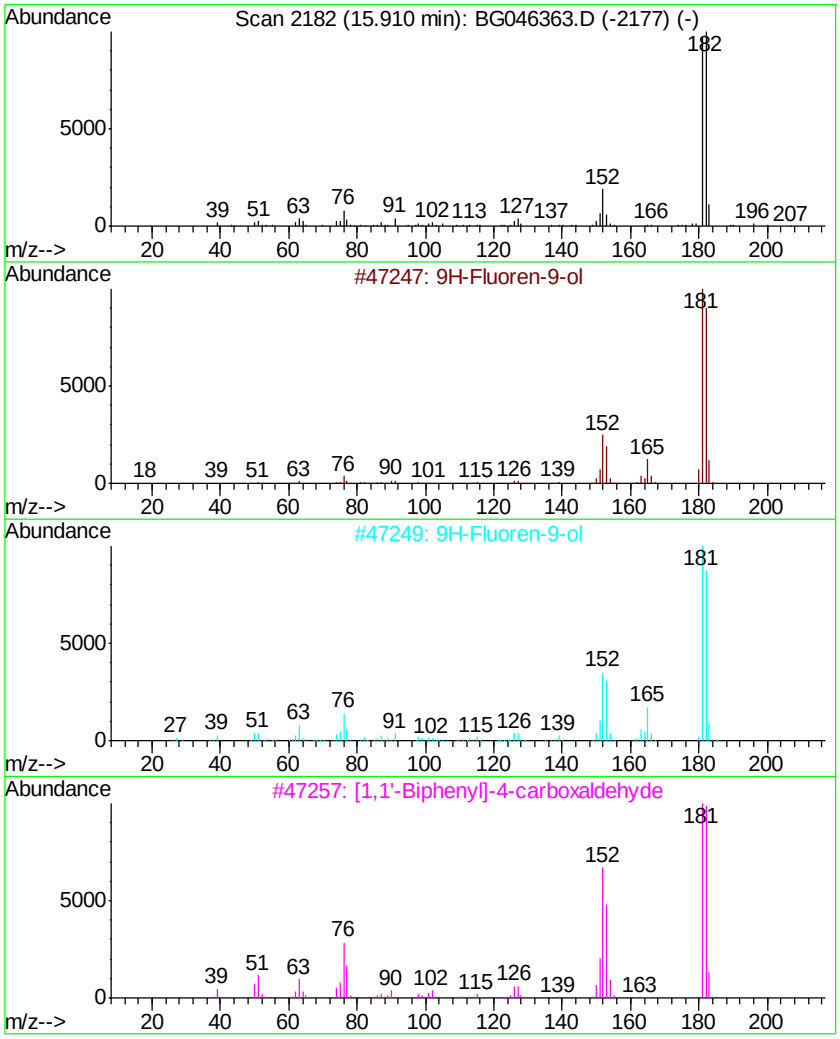
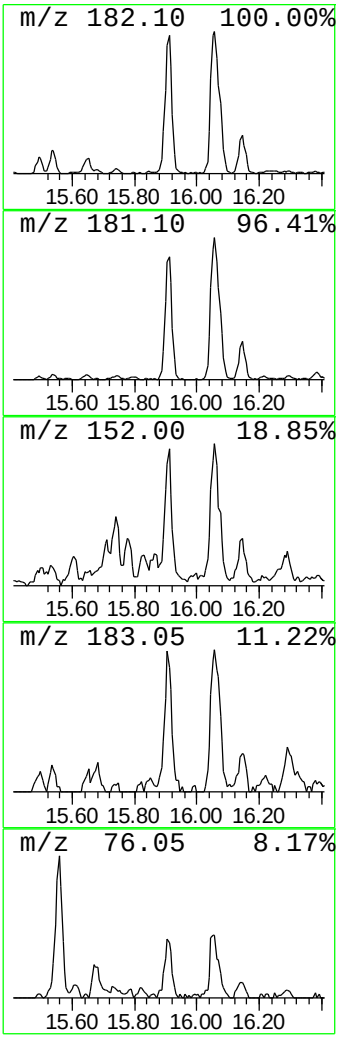
Peak Number 16 9H-Fluoren-9-ol Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.96 ng/ul	200828	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Operator : CG/JU
Sample : L3633-07
Misc :
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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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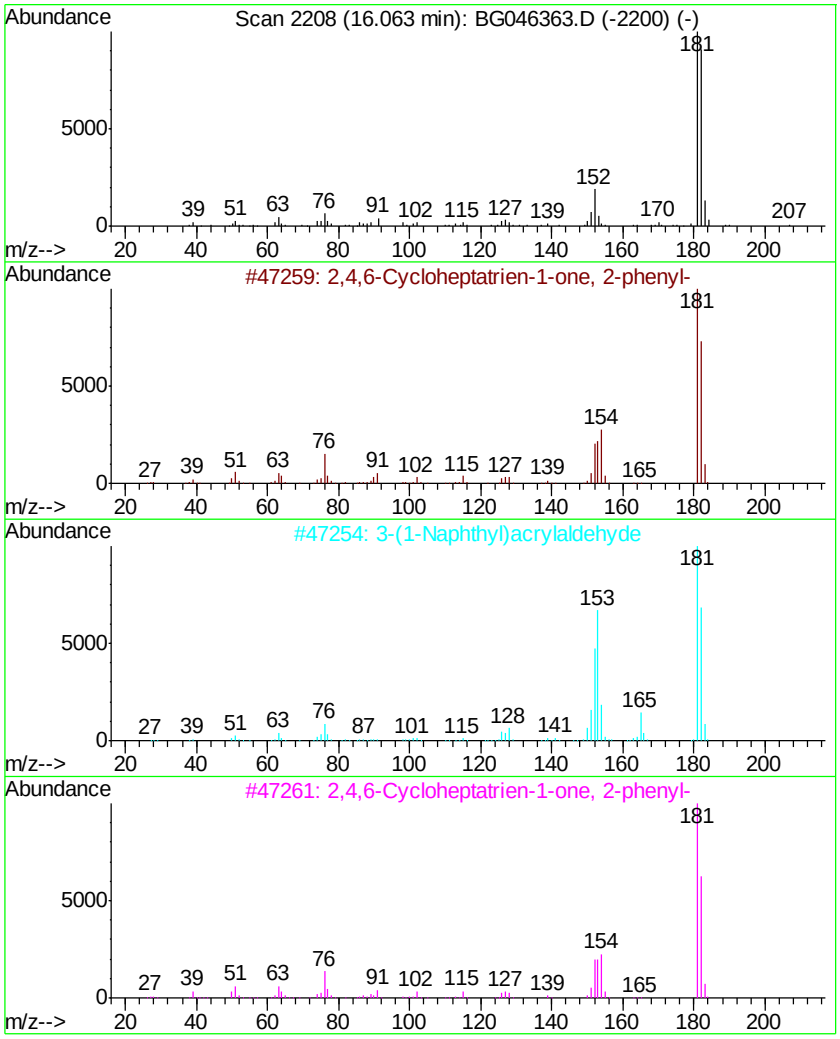
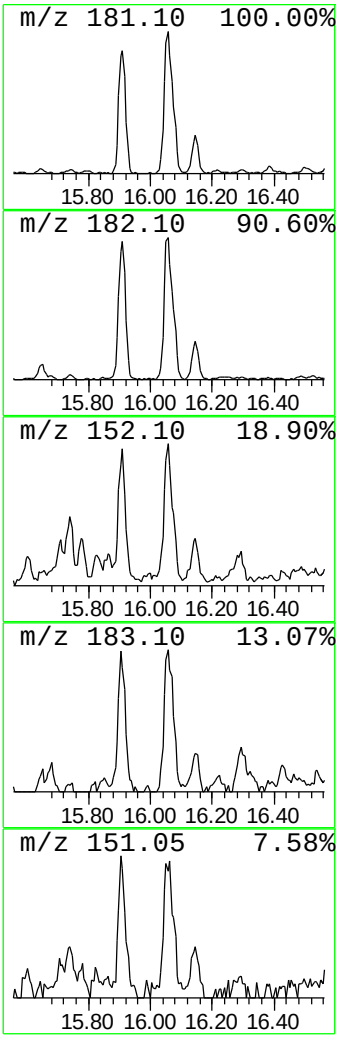
Peak Number 17 2,4,6-Cycloheptatrien-1-one... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	3.40 ng/ul	256582	Phenanthrene-d10	17.31

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	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78





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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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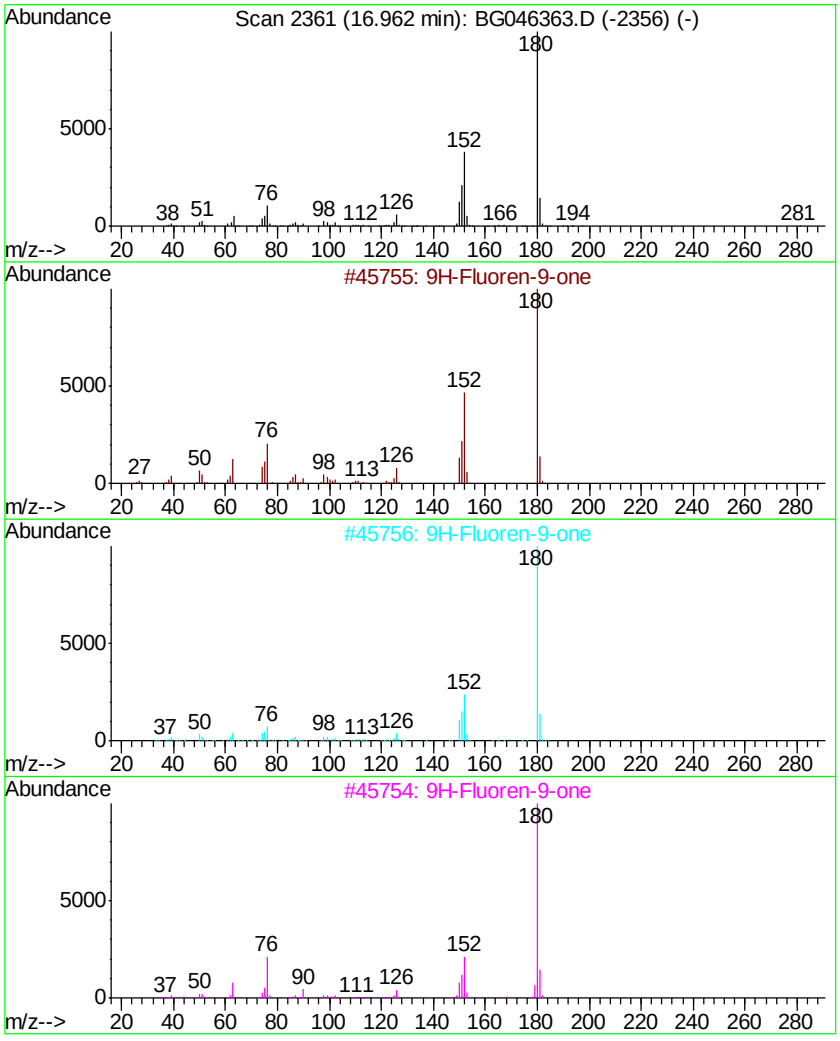
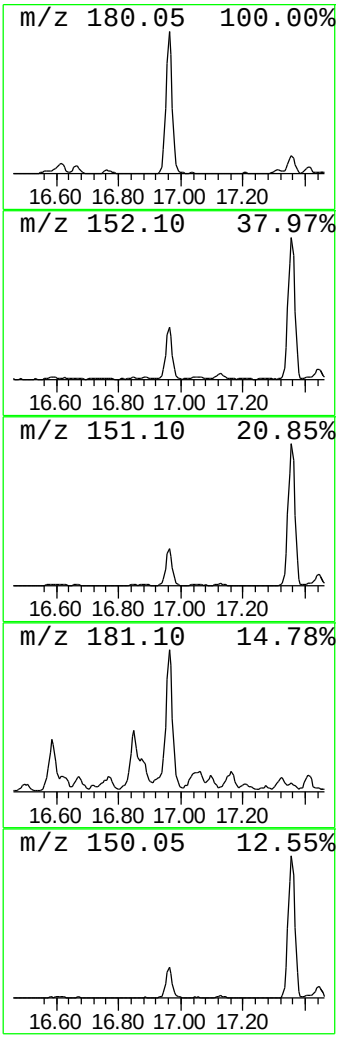
Peak Number 18 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	8.75 ng/ul	659809	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	78





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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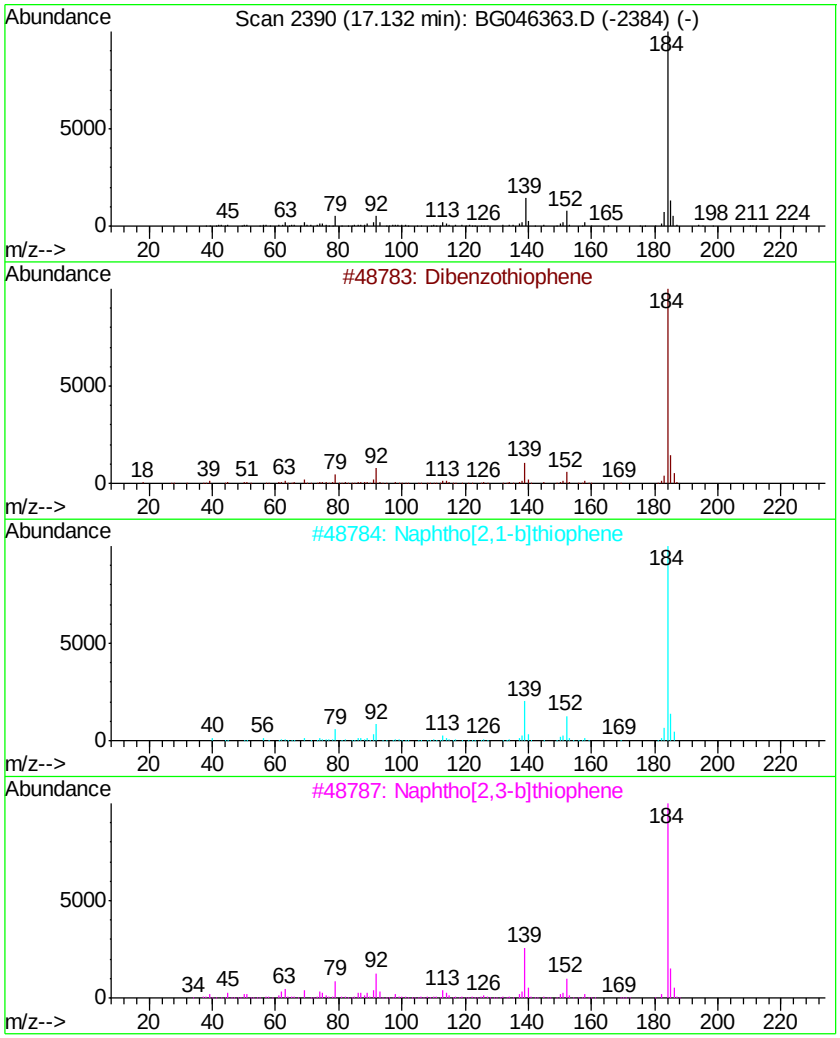
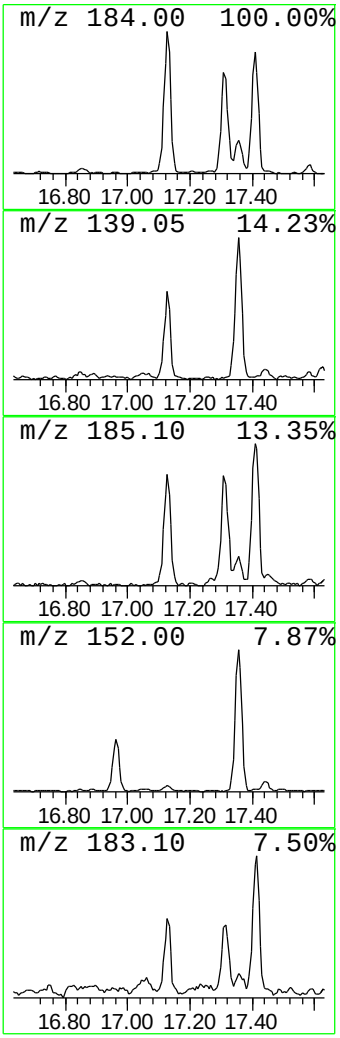
Peak Number 19 Dibenzothiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	4.34 ng/ul	327122	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
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	95
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94





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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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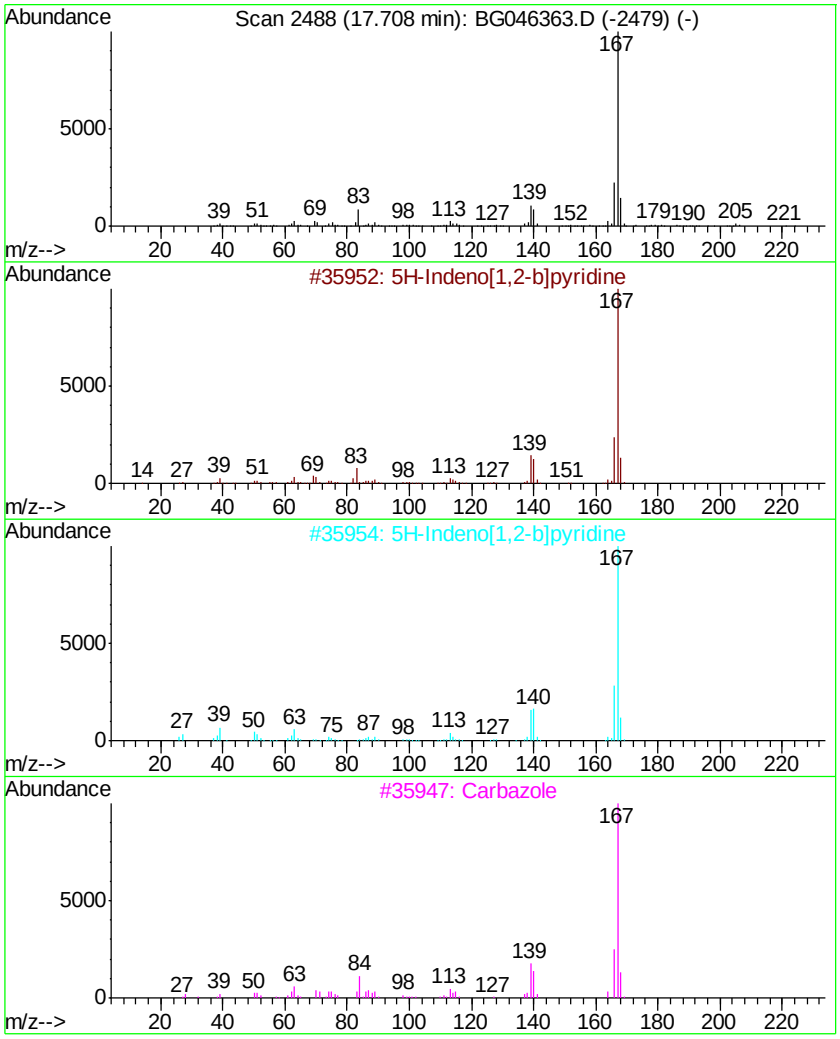
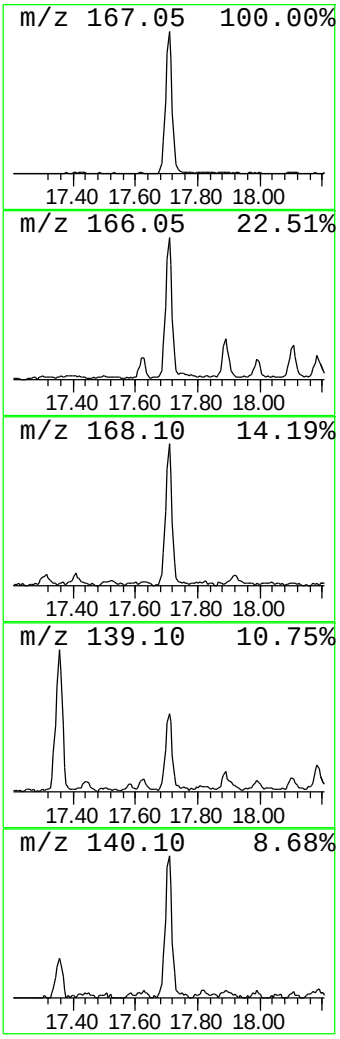
Peak Number 20 5H-Indeno[1,2-b]pyridine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	5.72 ng/ul	431501	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	94
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	Carbazole	167	C12H9N	000086-74-8	90
4	Carbazole	167	C12H9N	000086-74-8	87
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80





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Sample : L3633-07
Misc :
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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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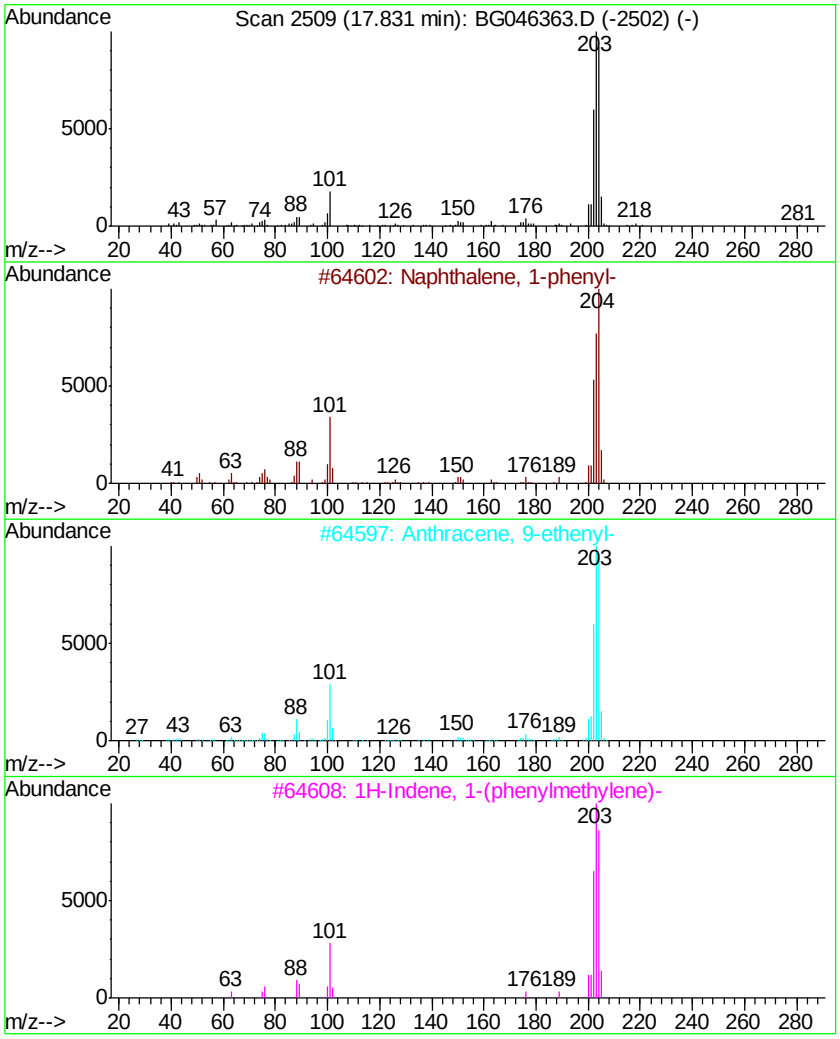
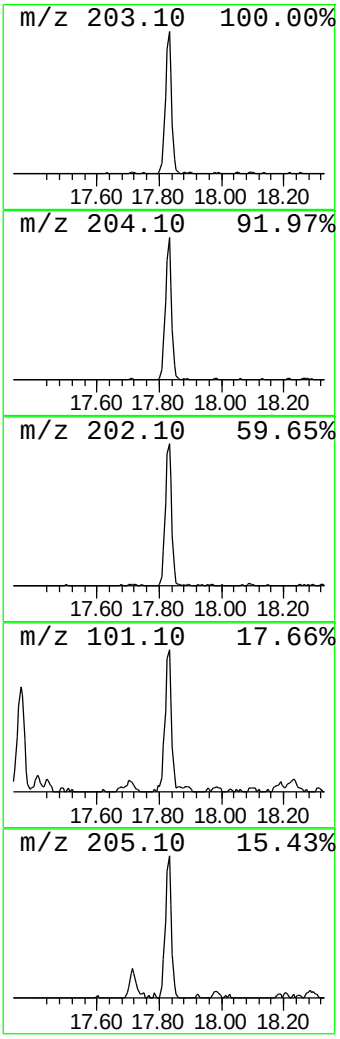
Peak Number 21 Naphthalene, 1-phenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	3.43 ng/ul	258846	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	76
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76





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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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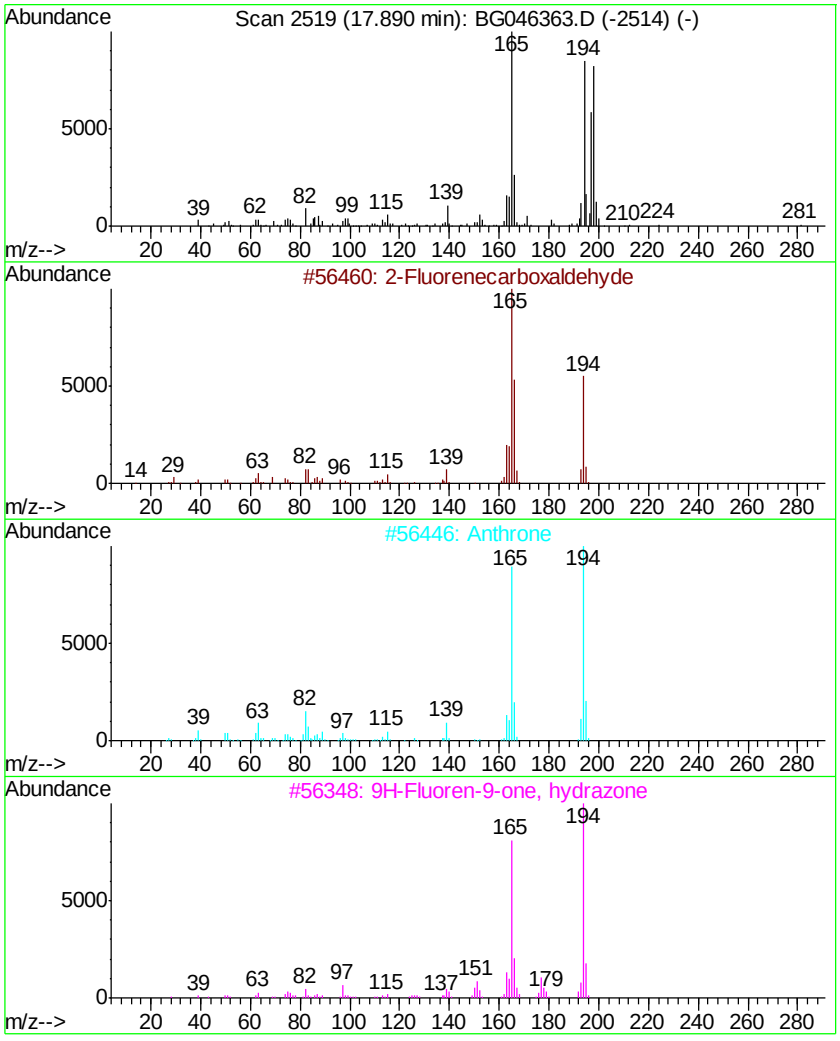
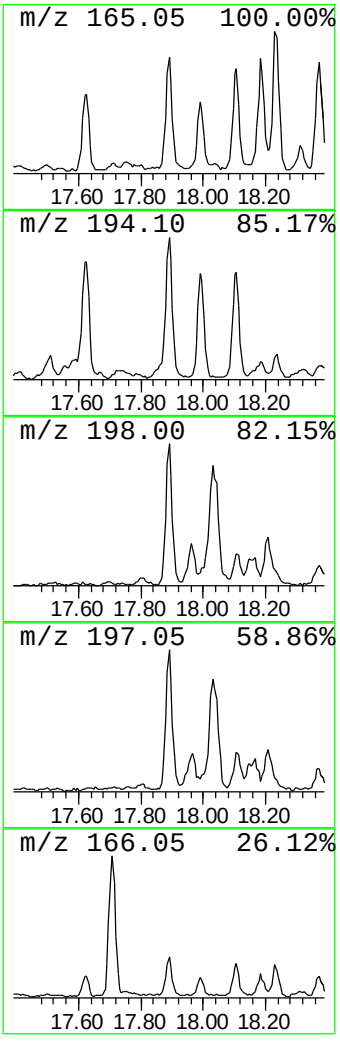
Peak Number 22 2-Fluorenecarboxaldehyde Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.36 ng/ul	253512	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	64
2	Anthrone	194	C14H10O	000090-44-8	60
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	60
4	3-Phenanthrol	194	C14H10O	000605-87-8	55
5	Anthrone	194	C14H10O	000090-44-8	55





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Operator : CG/JU
Sample : L3633-07
Misc :
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Instrument : BNA_G
ClientSampleId : BFMA5

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Quant Title : SVOA CALIBRATION

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

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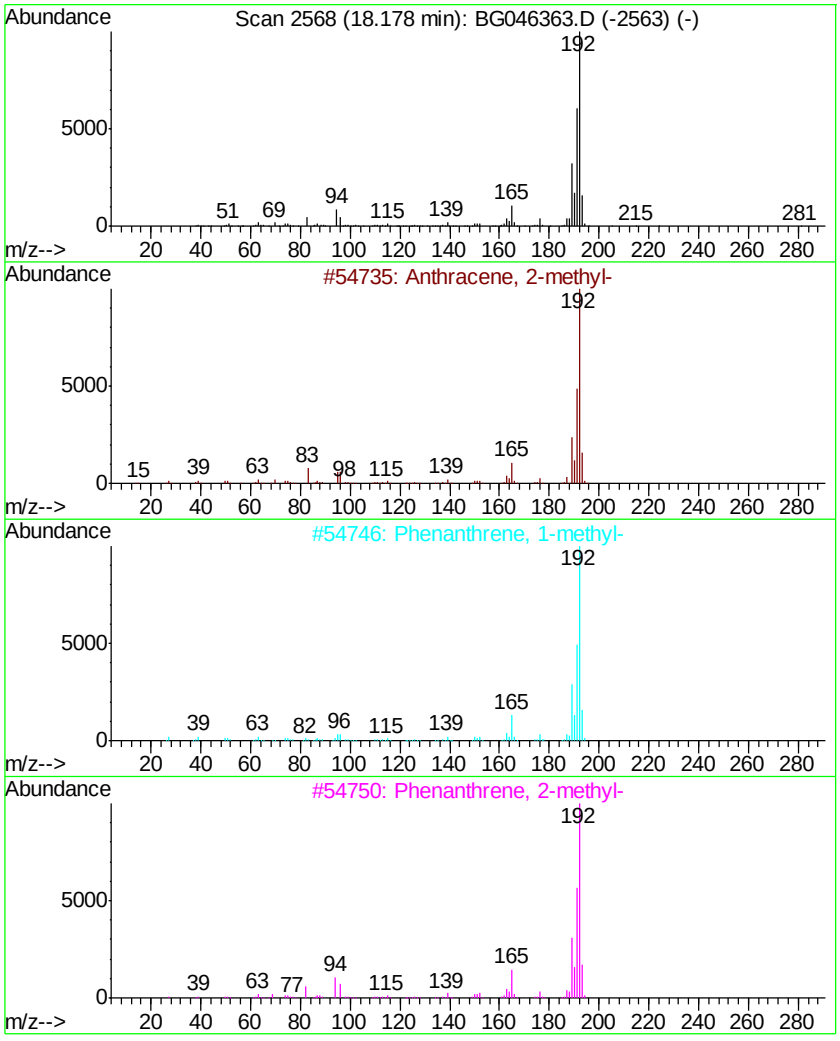
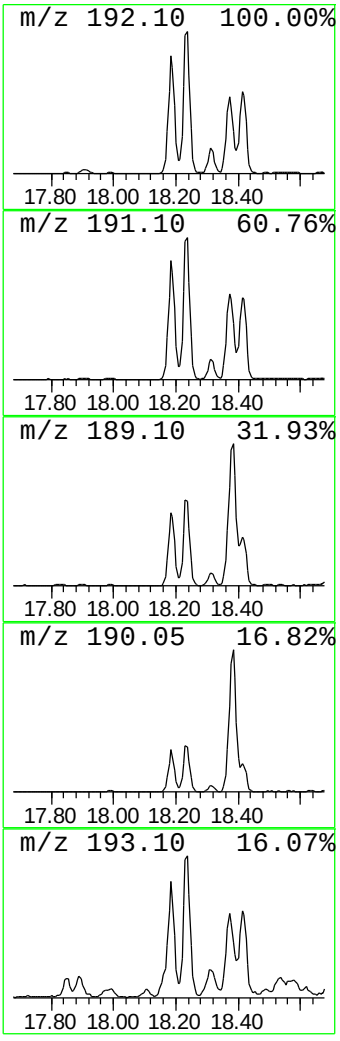
Peak Number 23 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	11.91 ng/ul	897832	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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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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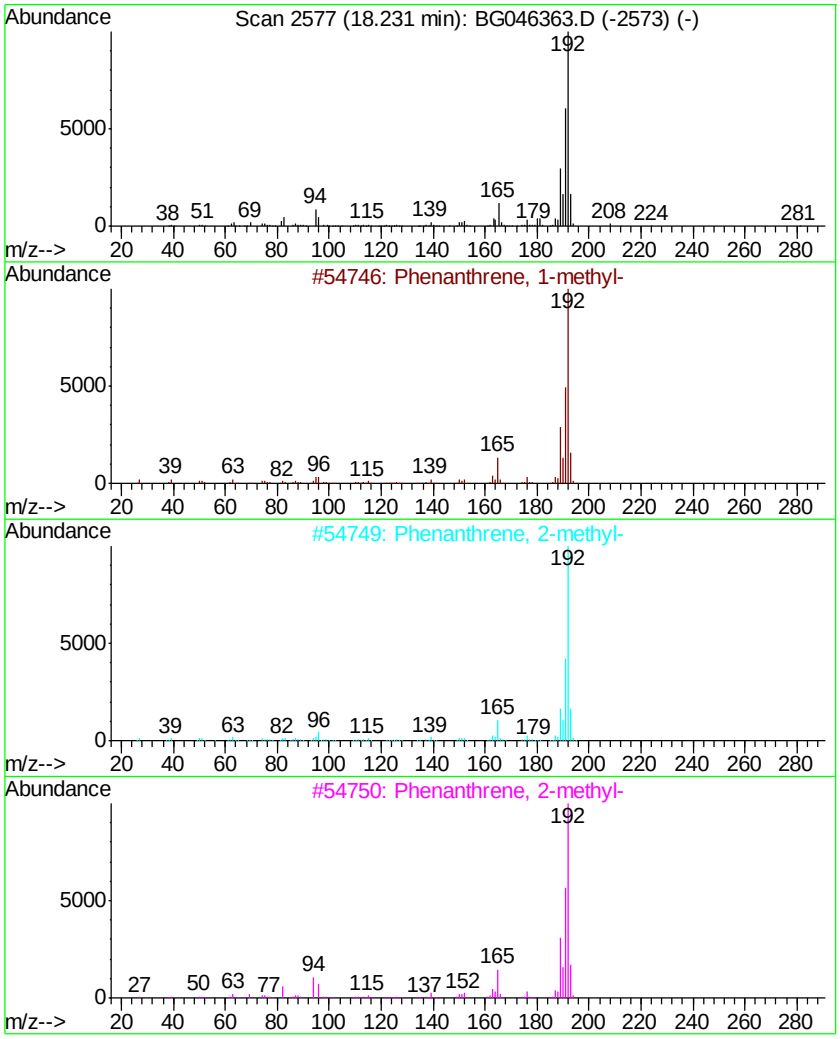
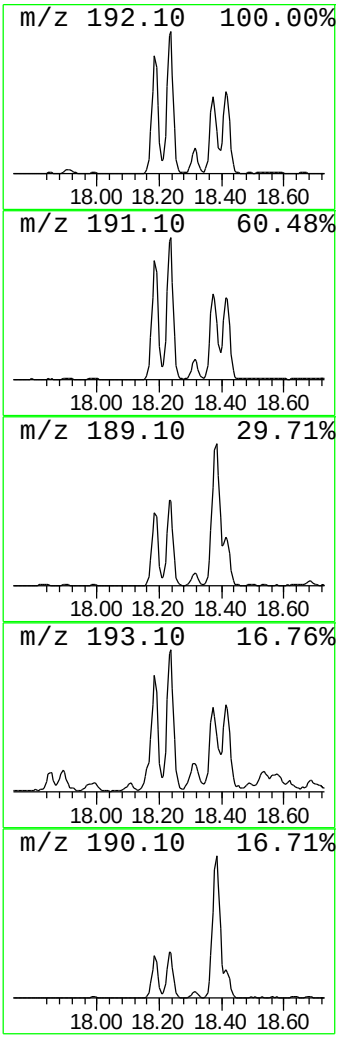
Peak Number 24 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	15.75 ng/ul	1187550	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	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : SVOA CALIBRATION

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

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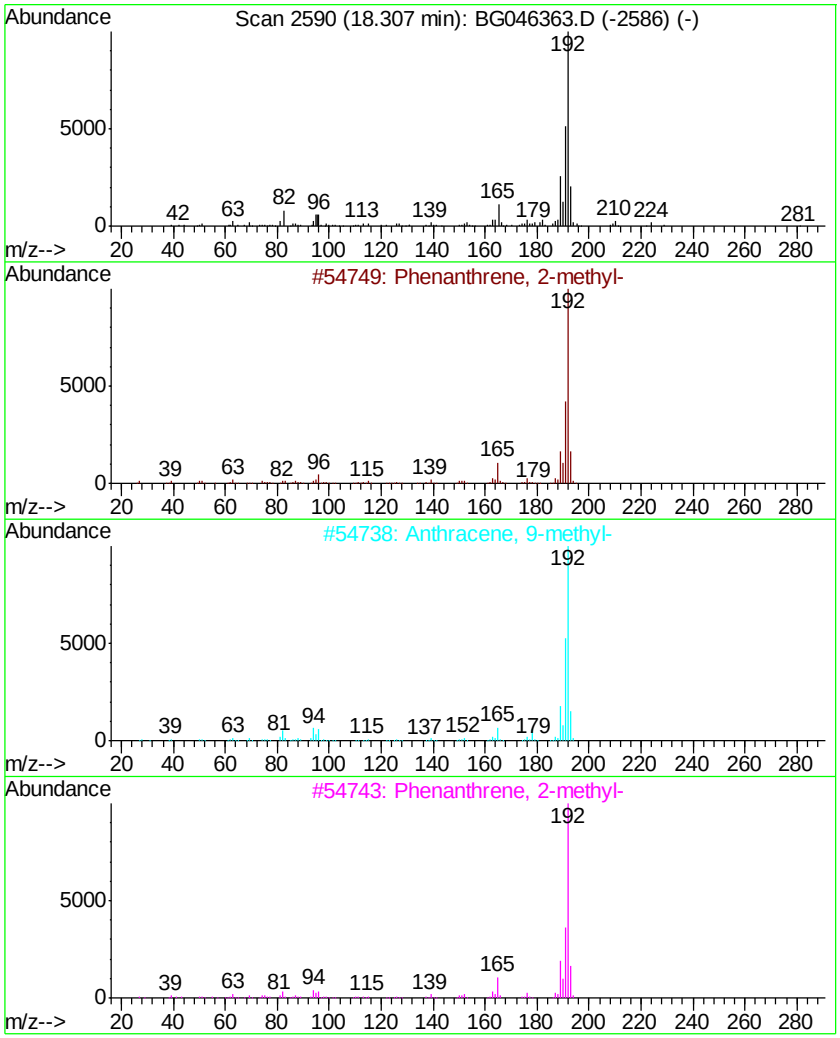
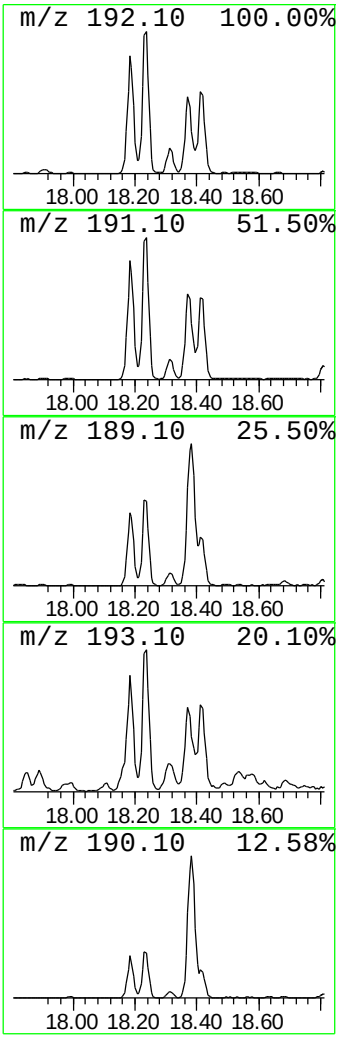
Peak Number 25 Phenanthrene, 2-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	2.31 ng/ul	174136	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Quant Title : SVOA CALIBRATION

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

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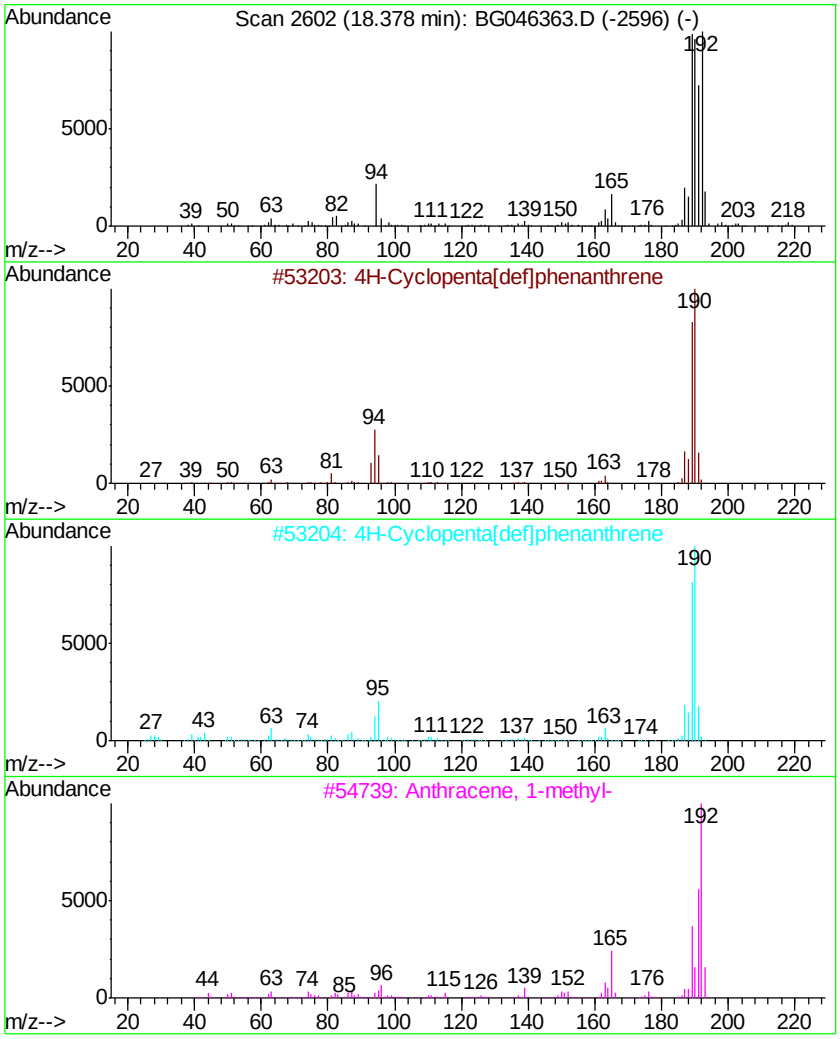
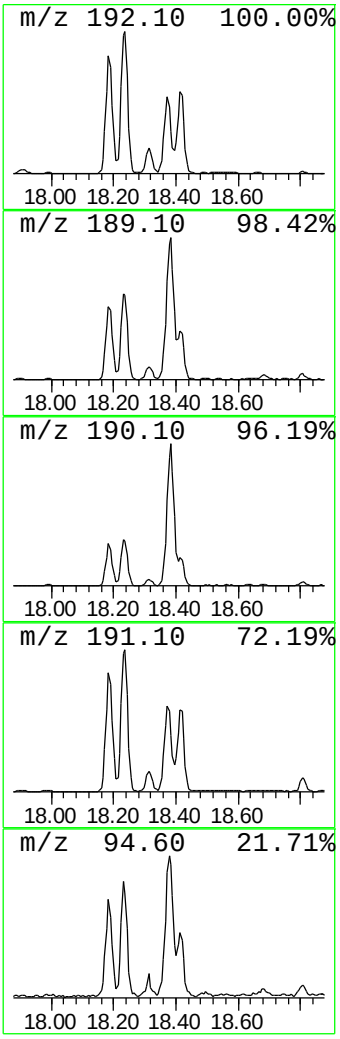
Peak Number 26 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	16.21 ng/ul	1222270	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Quant Title : SVOA CALIBRATION

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

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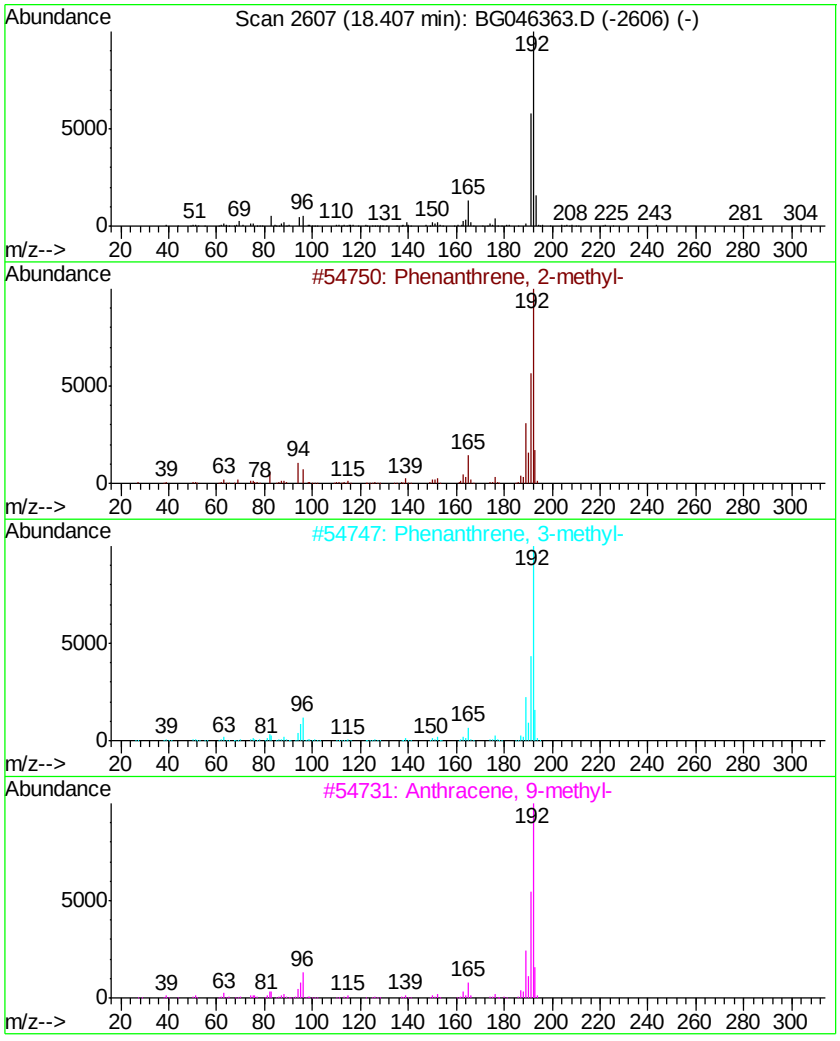
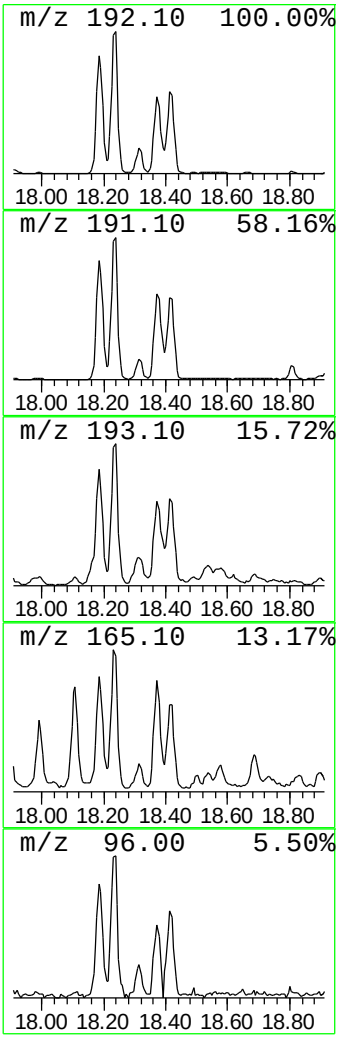
Peak Number 27 Phenanthrene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	7.56 ng/ul	569931	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Operator : CG/JU
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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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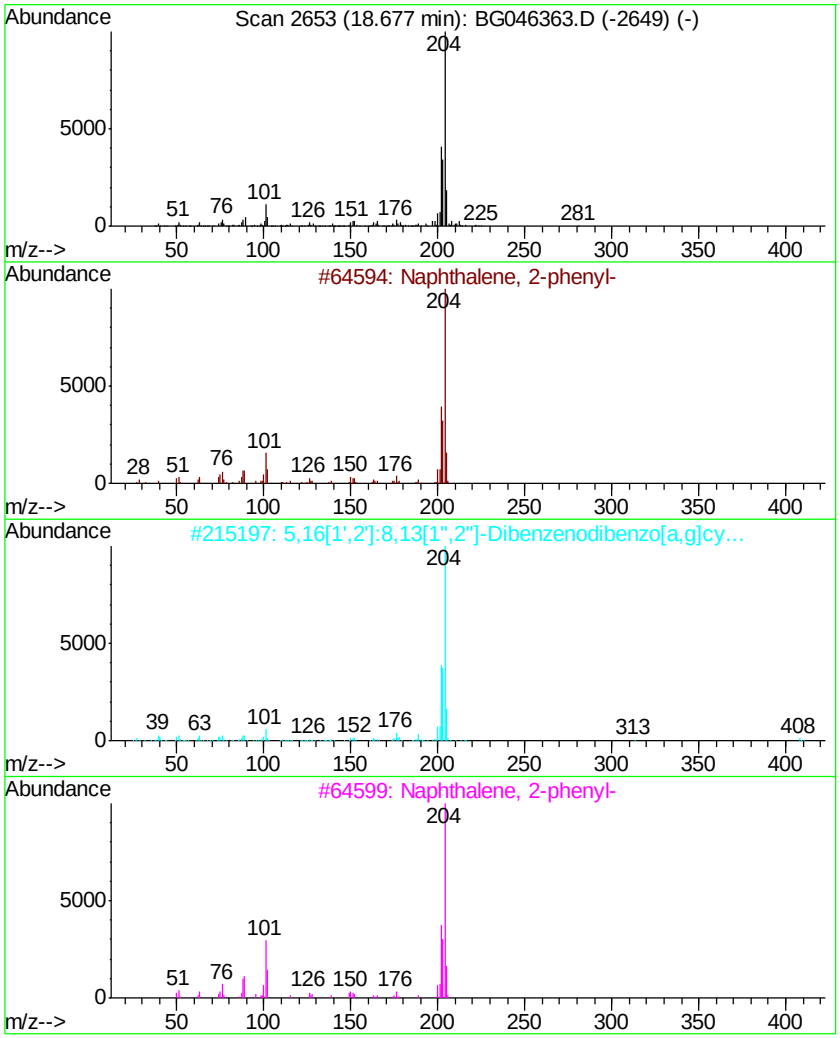
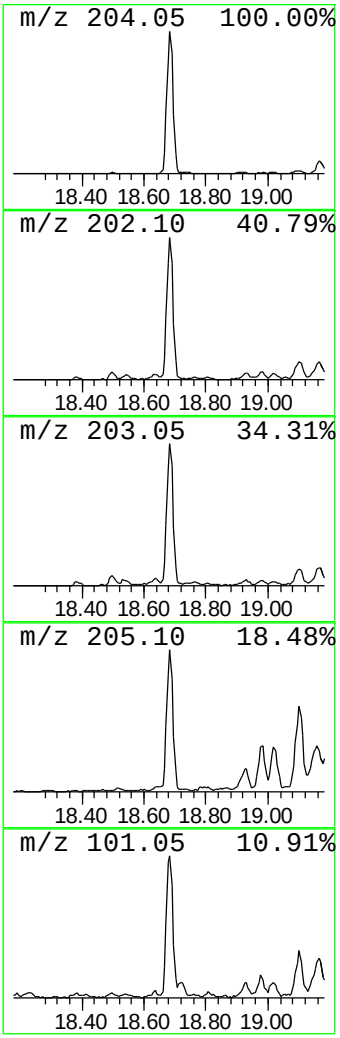
Peak Number 28 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	11.63 ng/ul	876503	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046363.D
Acq On : 20 Aug 2020 3:28
Operator : CG/JU
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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

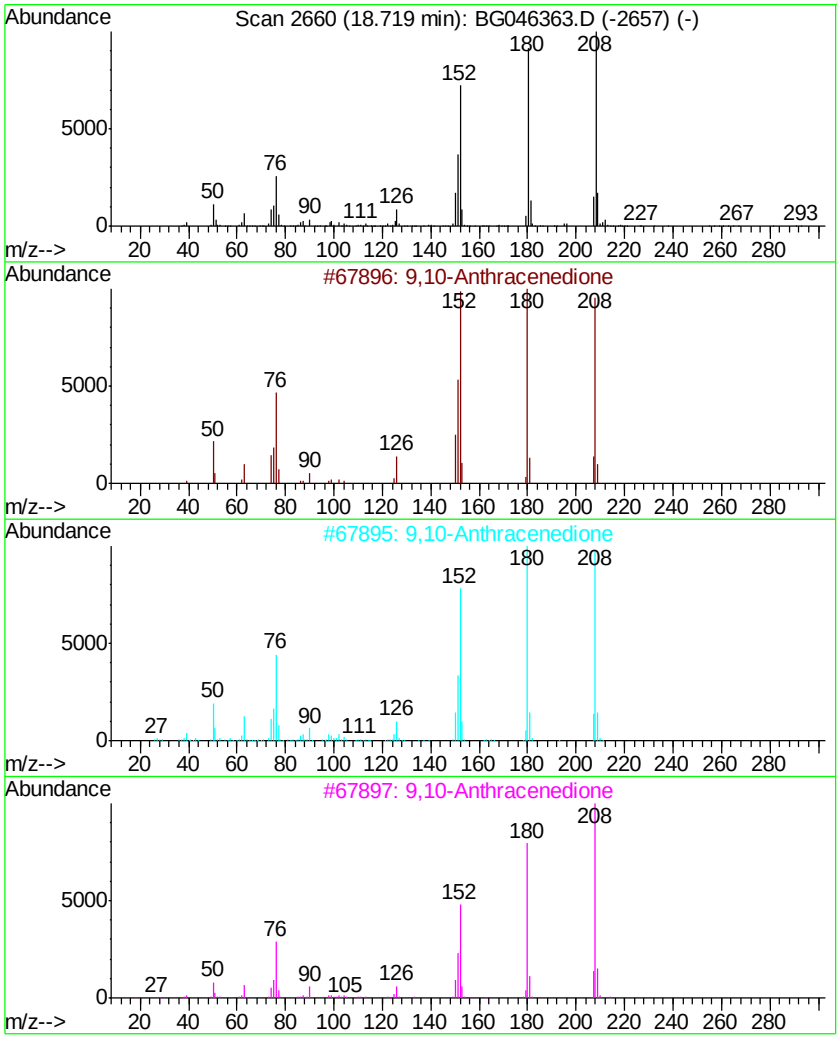
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

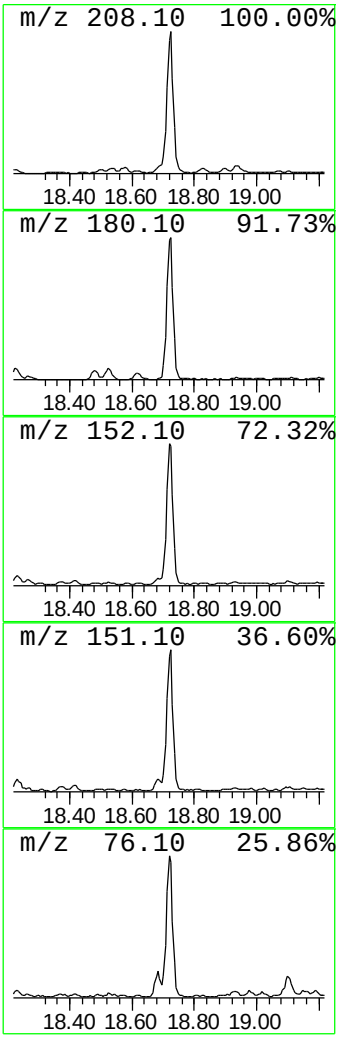
****

Peak Number 29 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	14.39 ng/ul	1084670	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	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046363.D
Acq On : 20 Aug 2020 3:28
Operator : CG/JU
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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

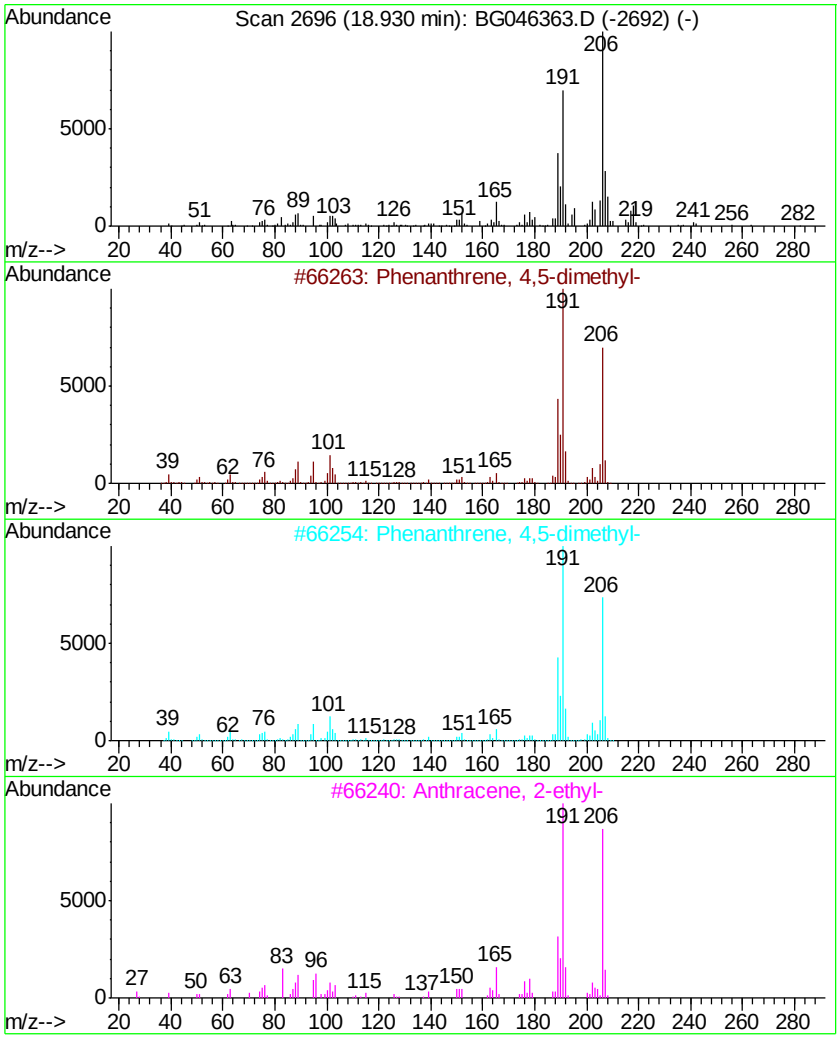
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

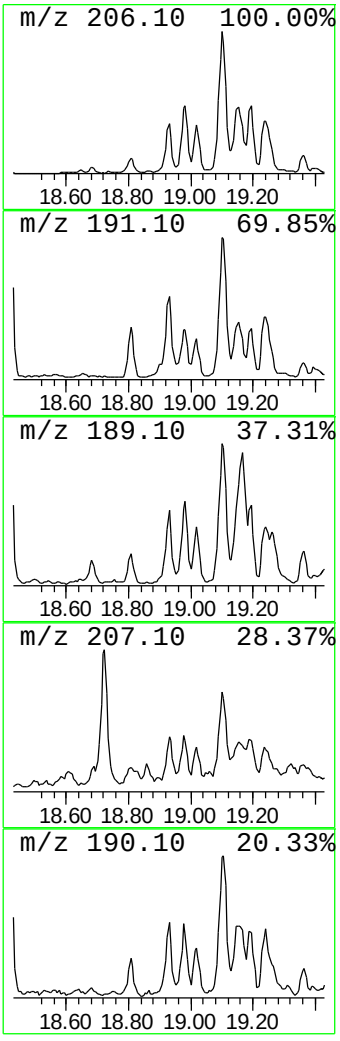
****

Peak Number 30 Phenanthrene, 4,5-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.29 ng/ul	172517	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046363.D
Acq On : 20 Aug 2020 3:28
Operator : CG/JU
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMA5

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	67.7	ng/ul	1990940	1	7.94	587900	20.0
2-Furancarboxylic...	7.11	19.0	ng/ul	557540	1	7.94	587900	20.0
unknown-01	7.27	14.2	ng/ul	418507	1	7.94	587900	20.0
unknown-02	7.47	19.3	ng/ul	567189	1	7.94	587900	20.0
unknown-03	8.64	22.2	ng/ul	652617	1	7.94	587900	20.0
1H-Imidazole, 4-m...	9.09	18.3	ng/ul	539028	1	7.94	587900	20.0
unknown-04	9.81	10.0	ng/ul	459459	2	10.73	916433	20.0
unknown-05	10.86	11.9	ng/ul	543141	2	10.73	916433	20.0
Naphthalene, 1-me...	12.61	2.6	ng/ul	119697	2	10.73	916433	20.0
Naphthalene, 2,3-...	13.89	2.3	ng/ul	155783	3	14.56	1358370	20.0
unknown-06	13.97	17.3	ng/ul	1176770	3	14.56	1358370	20.0
Dimethyl phthalate	14.02	3.9	ng/ul	263475	3	14.56	1358370	20.0
unknown-07	14.76	6.8	ng/ul	458150	3	14.56	1358370	20.0
Dibenzofuran	14.96	4.8	ng/ul	323008	3	14.56	1358370	20.0
unknown-08	15.68	6.7	ng/ul	458082	3	14.56	1358370	20.0
9H-Fluoren-9-ol	15.91	3.0	ng/ul	200828	3	14.56	1358370	20.0
2,4,6-Cycloheptat...	16.06	3.4	ng/ul	256582	4	17.31	1507860	20.0
9H-Fluoren-9-one	16.96	8.8	ng/ul	659809	4	17.31	1507860	20.0
Dibenzothiophene	17.13	4.3	ng/ul	327122	4	17.31	1507860	20.0
5H-Indeno[1,2-b]p...	17.71	5.7	ng/ul	431501	4	17.31	1507860	20.0
Naphthalene, 1-ph...	17.83	3.4	ng/ul	258846	4	17.31	1507860	20.0
2-Fluorenecarboxa...	17.89	3.4	ng/ul	253512	4	17.31	1507860	20.0
Anthracene, 2-met...	18.18	11.9	ng/ul	897832	4	17.31	1507860	20.0
Phenanthrene, 1-m...	18.23	15.8	ng/ul	1187550	4	17.31	1507860	20.0
Phenanthrene, 2-m...	18.31	2.3	ng/ul	174136	4	17.31	1507860	20.0
4H-Cyclopenta[def...	18.38	16.2	ng/ul	1222270	4	17.31	1507860	20.0
Phenanthrene, 3-m...	18.41	7.6	ng/ul	569931	4	17.31	1507860	20.0
Naphthalene, 2-ph...	18.68	11.6	ng/ul	876503	4	17.31	1507860	20.0
9,10-Anthracenedione	18.72	14.4	ng/ul	1084670	4	17.31	1507860	20.0
Phenanthrene, 4,5...	18.93	2.3	ng/ul	172517	4	17.31	1507860	20.0