LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041908.D
Acq On : 3 Aug 2019 13:59
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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-BG080319MA.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	3.153	7	11	32	rVB	1878318	3038300	12.56%	1.033%
2	8.035	835	842	850	rBV	322911	556610	2.30%	0.189%
3	9.198	1033	1040	1051	rVB	283473	540304	2.23%	0.184%
4	10.861	1312	1323	1327	rBV	440916	827831	3.42%	0.282%
5	10.908	1327	1331	1339	rVV	292783	534120	2.21%	0.182%
6	12.518	1597	1605	1612	rVB	503921	834128	3.45%	0.284%
7	12.735	1633	1642	1653	rVB	423222	744283	3.08%	0.253%
8	13.723	1804	1810	1824	rVB	283383	589036	2.44%	0.200%
9	13.869	1826	1835	1842	rBV3	286331	759986	3.14%	0.258%
10	14.016	1851	1860	1865	rBV	550789	995406	4.11%	0.339%
11	14.093	1865	1873	1877	rVV2	729757	1527800	6.32%	0.520%
12	14.386	1916	1923	1936	rBV	929335	1772887	7.33%	0.603%
13	14.698	1965	1976	1981	rVV2	751697	1434076	5.93%	0.488%
14	14.762	1981	1987	1994	rVV	1053581	1841601	7.61%	0.626%
15	14.903	2004	2011	2020	rBV	316961	795539	3.29%	0.271%
16	15.003	2020	2028	2033	rBV2	309312	651642	2.69%	0.222%
17	15.091	2037	2043	2050	rVB2	392718	735929	3.04%	0.250%
18	15.485	2102	2110	2114	rBV2	243492	557956	2.31%	0.190%
19	15.691	2129	2145	2149	rBV	1134970	2073095	8.57%	0.705%
20	15.744	2149	2154	2159	rVV	790439	1159666	4.79%	0.394%
21	15.873	2172	2176	2179	rVV	408834	600770	2.48%	0.204%
22	15.908	2179	2182	2187	rVB2	447013	615558	2.54%	0.209%
23	16.419	2259	2269	2275	rVB5	337914	781535	3.23%	0.266%
24	16.754	2323	2326	2330	rVV2	433732	649751	2.69%	0.221%
25	16.801	2330	2334	2340	rVV2	446537	767598	3.17%	0.261%
26	16.901	2348	2351	2356	rVB	371256	567156	2.34%	0.193%
27	16.960	2356	2361	2367	rBV3	266156	679166	2.81%	0.231%
28	17.101	2380	2385	2392	rVV3	444277	787940	3.26%	0.268%
29	17.201	2392	2402	2408	rVV7	251874	826529	3.42%	0.281%
30	17.265	2408	2413	2423	rVB	884122	1468741	6.07%	0.500%
31	17.453	2439	2445	2447	rVV2	737618	1205623	4.98%	0.410%
32	17.506	2447	2454	2458	rVV	6707868	12373654	51.15%	4.208%
33	17.553	2458	2462	2464	rVV	1263359	1932614	7.99%	0.657%
34	17.589	2464	2468	2473	rVV	2105361	3215505	13.29%	1.094%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
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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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Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	17.641	2473	2477	2482	rVV2	307259	669111	2.77%	0.228%
36	17.853	2509	2513	2518	rBV4	250700	546436	2.26%	0.186%
37	17.970	2526	2533	2537	rVB3	361035	624687	2.58%	0.212%
38	18.035	2537	2544	2550	rBV	1335738	2061365	8.52%	0.701%
39	18.182	2563	2569	2575	rVB	674965	1295007	5.35%	0.440%
40	18.335	2589	2595	2599	rVV	3594550	6058451	25.04%	2.061%
41	18.388	2599	2604	2610	rVB	4098070	6443026	26.63%	2.191%
42	18.464	2610	2617	2622	rBV	1431560	2400982	9.93%	0.817%
43	18.529	2622	2628	2632	rVV2	4095231	8307972	34.34%	2.826%
44	18.564	2632	2634	2640	rVB	2810798	3715433	15.36%	1.264%
45	18.728	2657	2662	2666	rBV2	673362	954494	3.95%	0.325%
46	18.828	2673	2679	2683	rBV2	1813721	2796395	11.56%	0.951%
47	18.875	2683	2687	2696	rVB3	1591048	2909834	12.03%	0.990%
48	18.952	2696	2700	2704	rBV	753213	1128594	4.67%	0.384%
49	19.075	2712	2721	2724	rBV3	1529508	3047472	12.60%	1.036%
50	19.122	2725	2729	2732	rVV	944642	1158800	4.79%	0.394%
51	19.163	2732	2736	2740	rVB2	1015084	1452598	6.00%	0.494%
52	19.251	2744	2751	2755	rBV	2902028	5403212	22.34%	1.838%
53	19.310	2755	2761	2764	rVV4	910626	1749166	7.23%	0.595%
54	19.392	2770	2775	2782	rBV3	1715655	3737664	15.45%	1.271%
55	19.522	2788	2797	2802	rBV2	7178178	13091783	54.12%	4.453%
56	19.574	2802	2806	2808	rVV	692888	983687	4.07%	0.335%
57	19.610	2808	2812	2818	rVB	928282	1386639	5.73%	0.472%
58	19.715	2825	2830	2833	rVV3	529998	766226	3.17%	0.261%
59	19.757	2833	2837	2840	rVV2	909217	1310234	5.42%	0.446%
60	19.792	2840	2843	2847	rVV2	609863	772335	3.19%	0.263%
61	19.892	2847	2860	2864	rVV3	9664719	24190373	100.00%	8.227%
62	19.945	2864	2869	2875	rVB3	1371745	2519005	10.41%	0.857%
63	20.103	2892	2896	2902	rVB3	767758	1292516	5.34%	0.440%
64	20.203	2905	2913	2922	rBV4	2155189	5778777	23.89%	1.965%
65	20.280	2922	2926	2930	rBV3	665309	1081271	4.47%	0.368%
66	20.332	2930	2935	2936	rVV3	1643370	2497740	10.33%	0.849%
67	20.362	2937	2940	2945	rVB	2964722	4537087	18.76%	1.543%
68	20.462	2950	2957	2962	rBV2	2097521	3805494	15.73%	1.294%
69	20.526	2962	2968	2971	rBV	3401682	5375088	22.22%	1.828%
70	20.562	2971	2974	2978	rVV2	1097269	1521793	6.29%	0.518%
71	20.603	2978	2981	2985	rVB2	635149	903486	3.73%	0.307%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : BENQ0

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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Title : SVOA CALIBRATION

72	20.661	2987	2991	2995	rBV	2699688	3876000	16.02%	1.318%
73	20.708	2995	2999	3003	rVB	2600652	3236085	13.38%	1.101%
74	20.820	3014	3018	3023	rVB4	672147	1052501	4.35%	0.358%
75	20.920	3031	3035	3037	rBV3	391361	587723	2.43%	0.200%
76	21.032	3052	3054	3058	rVB3	668969	815419	3.37%	0.277%
77	21.090	3060	3064	3067	rVV3	554162	1036689	4.29%	0.353%
78	21.131	3067	3071	3077	rVB	2048635	3496416	14.45%	1.189%
79	21.231	3085	3088	3094	rVB	566267	815078	3.37%	0.277%
80	21.314	3095	3102	3107	rVV3	2456144	5700406	23.56%	1.939%
81	21.361	3107	3110	3115	rVV	2027825	3221625	13.32%	1.096%
82	21.413	3115	3119	3123	rVV3	1291198	2250259	9.30%	0.765%
83	21.478	3127	3130	3137	rVB	1427128	2304900	9.53%	0.784%
84	21.737	3166	3174	3179	rBV3	6497644	14993838	61.98%	5.099%
85	21.807	3180	3186	3197	rVB	6941458	15296150	63.23%	5.202%
86	21.901	3197	3202	3206	rBV2	888066	1542095	6.37%	0.524%
87	21.954	3206	3211	3216	rBV2	1261737	2223317	9.19%	0.756%
88	22.019	3219	3222	3240	rVB8	888843	3851249	15.92%	1.310%
89	22.154	3243	3245	3252	rVV3	342757	705230	2.92%	0.240%
90	22.224	3253	3257	3264	rVB3	748235	1245750	5.15%	0.424%
91	22.412	3285	3289	3293	rBV	793247	1358741	5.62%	0.462%
92	22.500	3294	3304	3309	rVV	2803217	6928567	28.64%	2.356%
93	22.565	3310	3315	3322	rVB	2020383	3781828	15.63%	1.286%
94	22.659	3327	3331	3335	rVB2	631574	1103670	4.56%	0.375%
95	22.777	3346	3351	3355	rBV2	1137085	2200353	9.10%	0.748%
96	22.912	3368	3374	3386	rVB2	1089186	2500403	10.34%	0.850%
97	24.022	3551	3563	3569	rBV2	3224288	12174045	50.33%	4.140%
98	24.263	3598	3604	3612	rVB	692277	1626815	6.73%	0.553%
99	24.751	3677	3687	3694	rBV	2085439	6807987	28.14%	2.315%
100	24.915	3705	3715	3724	rVB	3401767	10576174	43.72%	3.597%

Sum of corrected areas: 294025881

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041908.D
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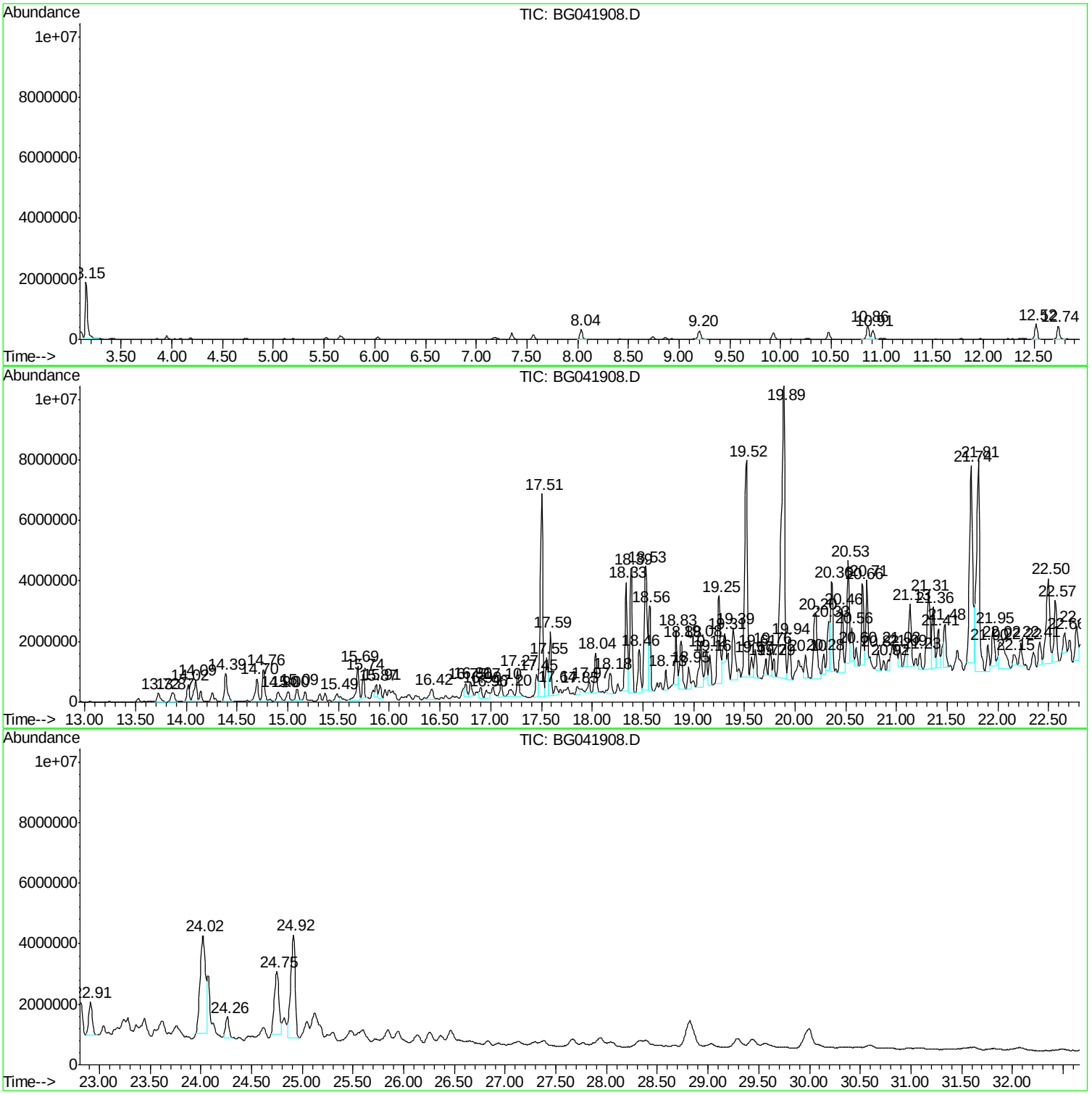
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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\BG080319\
Data File : BG041908.D
Acq On : 3 Aug 2019 13:59
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Misc :
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Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

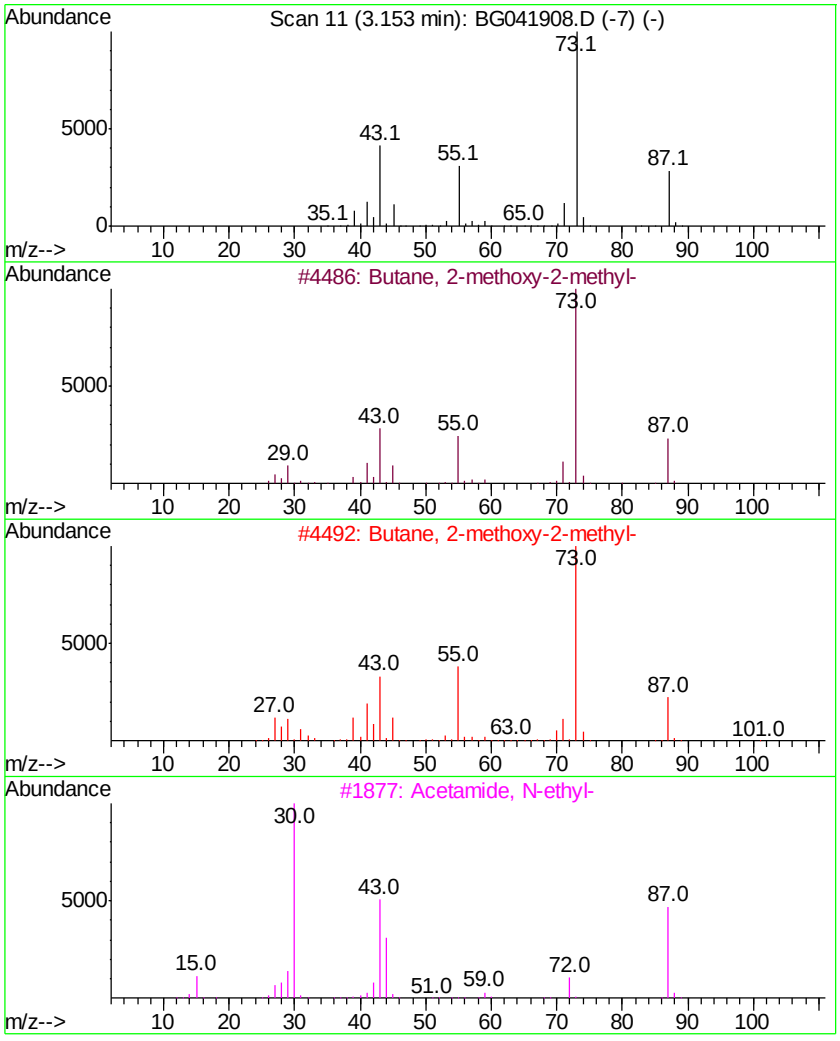
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

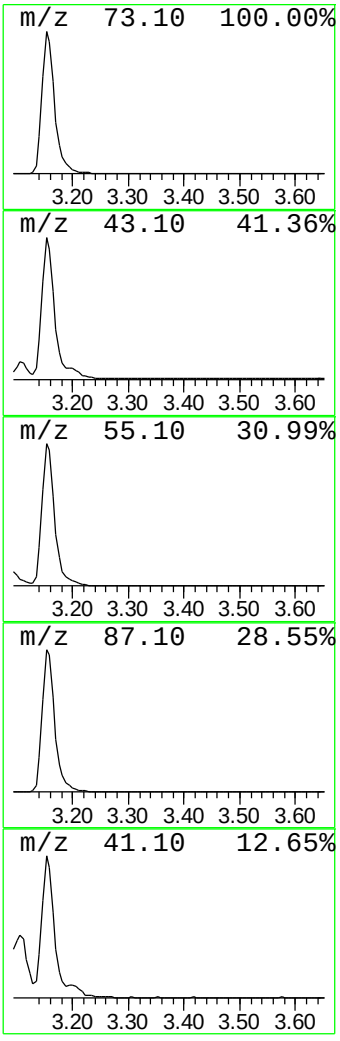
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	109.17 ng/ul	3038300	1,4-Dichlorobenzene-d4	8.04

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	33
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

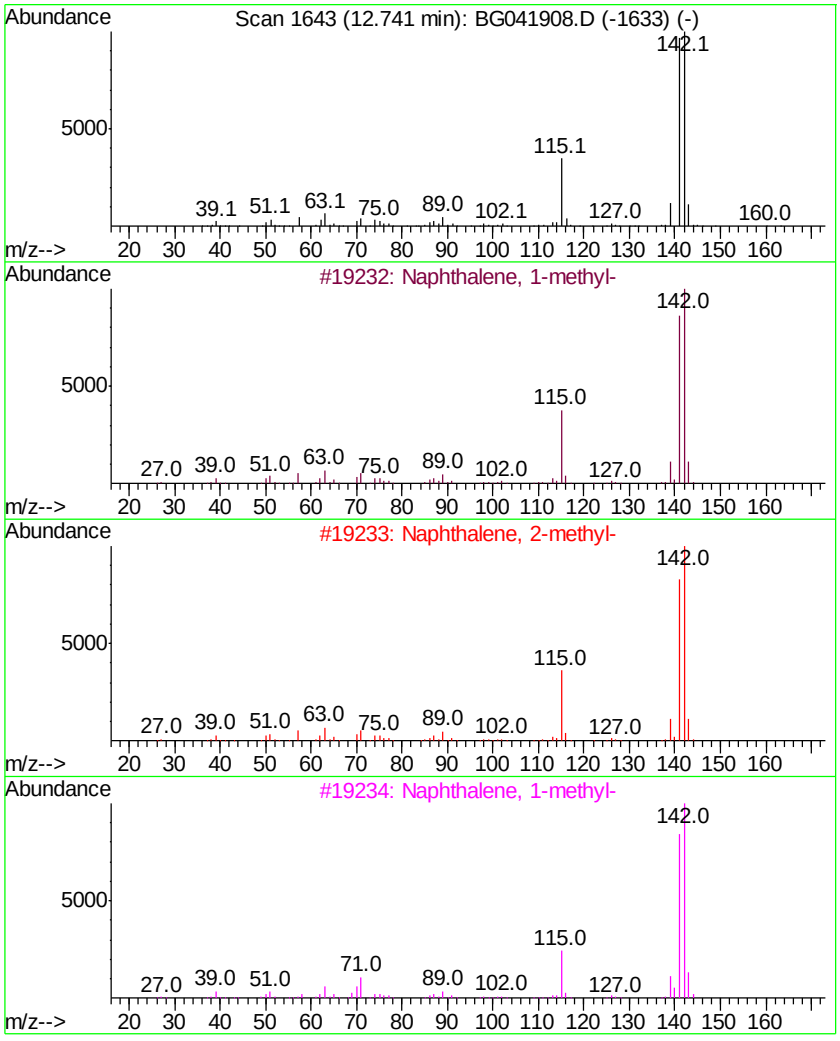
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

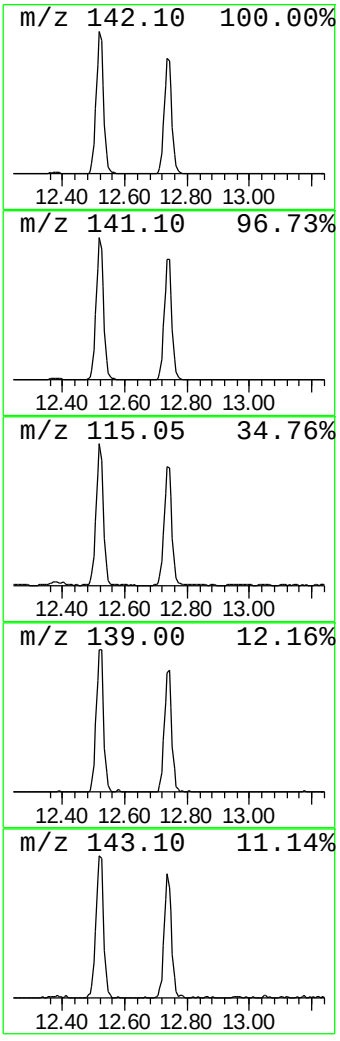
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	17.98 ng/ul	744283	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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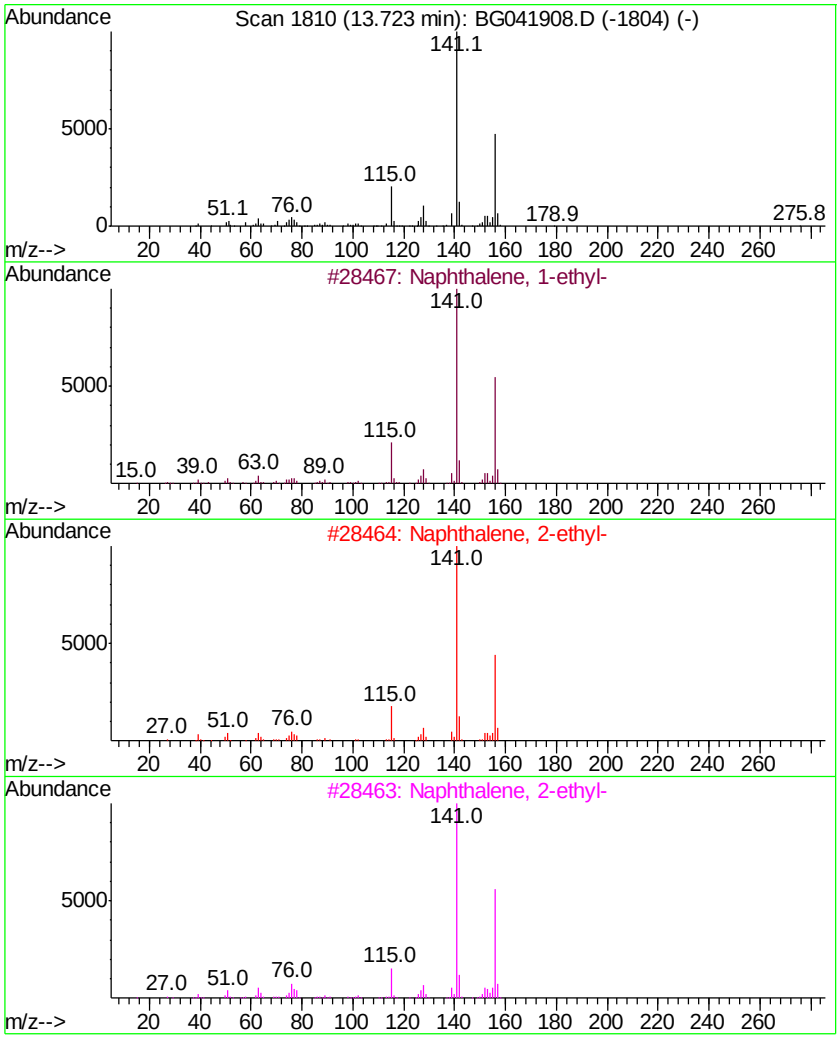
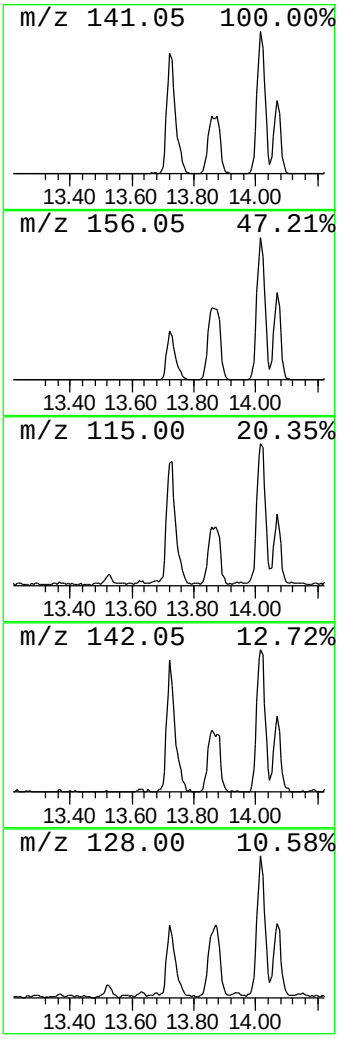
Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	8.21 ng/ul	589036	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

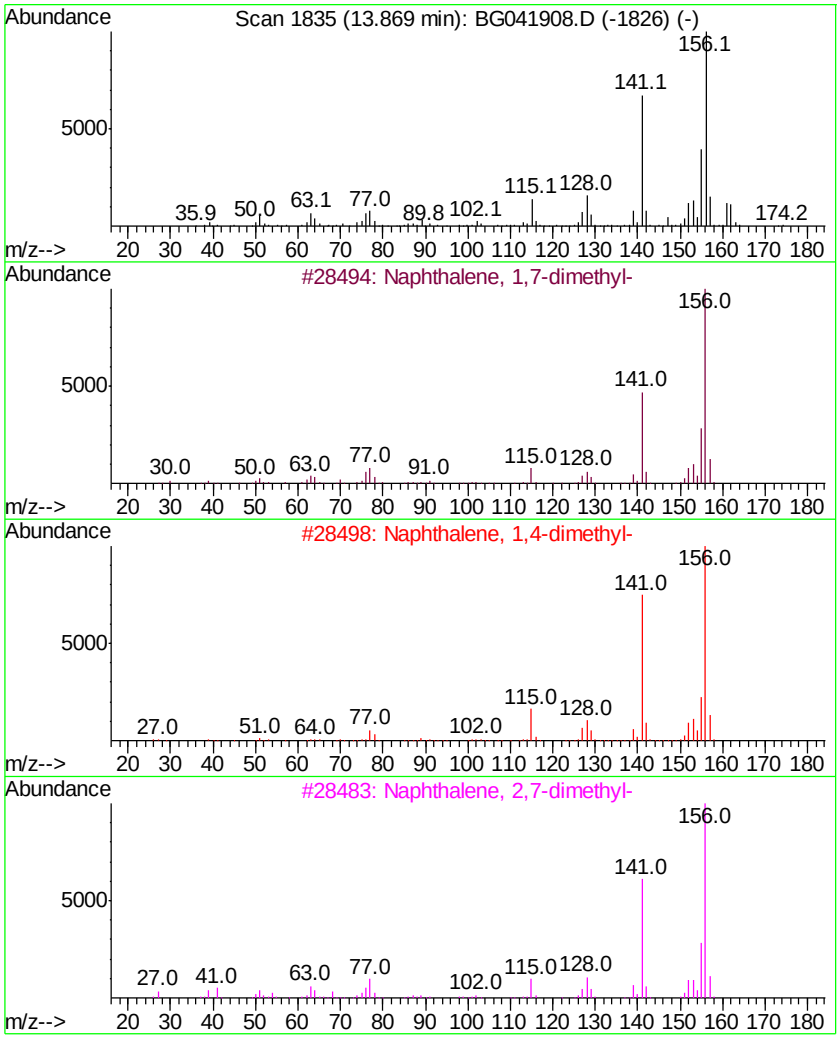
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

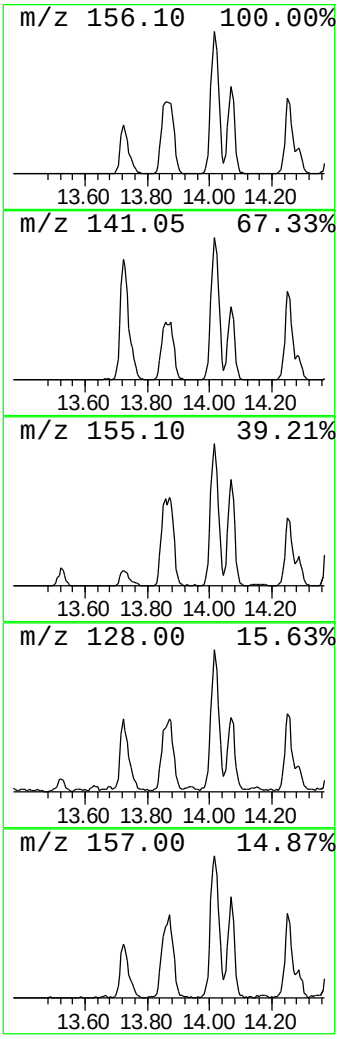
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	10.60 ng/ul	759986	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

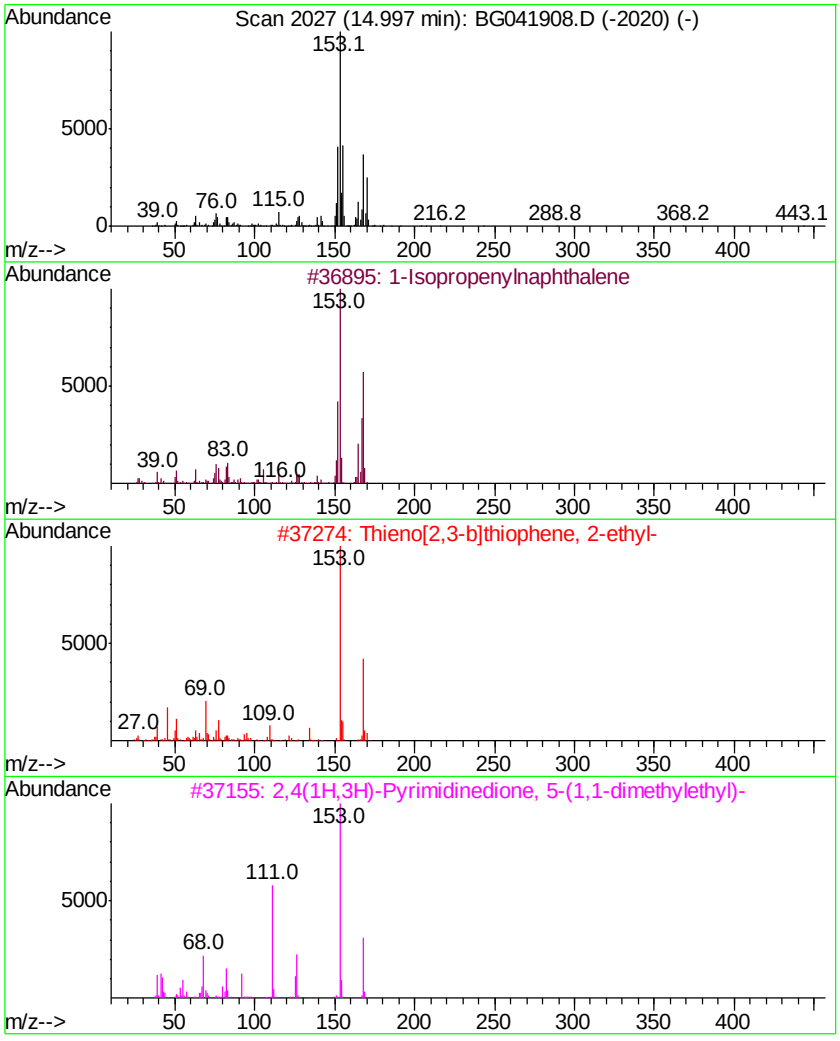
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

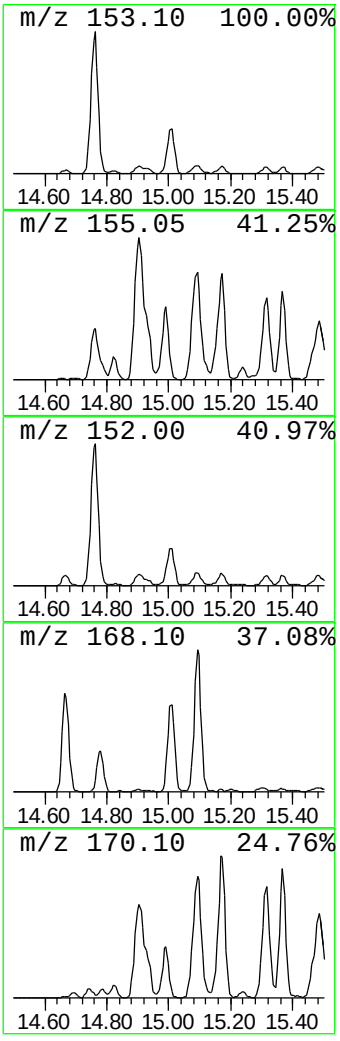
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	9.09 ng/ul	651642	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
3	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	47
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
5	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	47





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Acq On : 3 Aug 2019 13:59
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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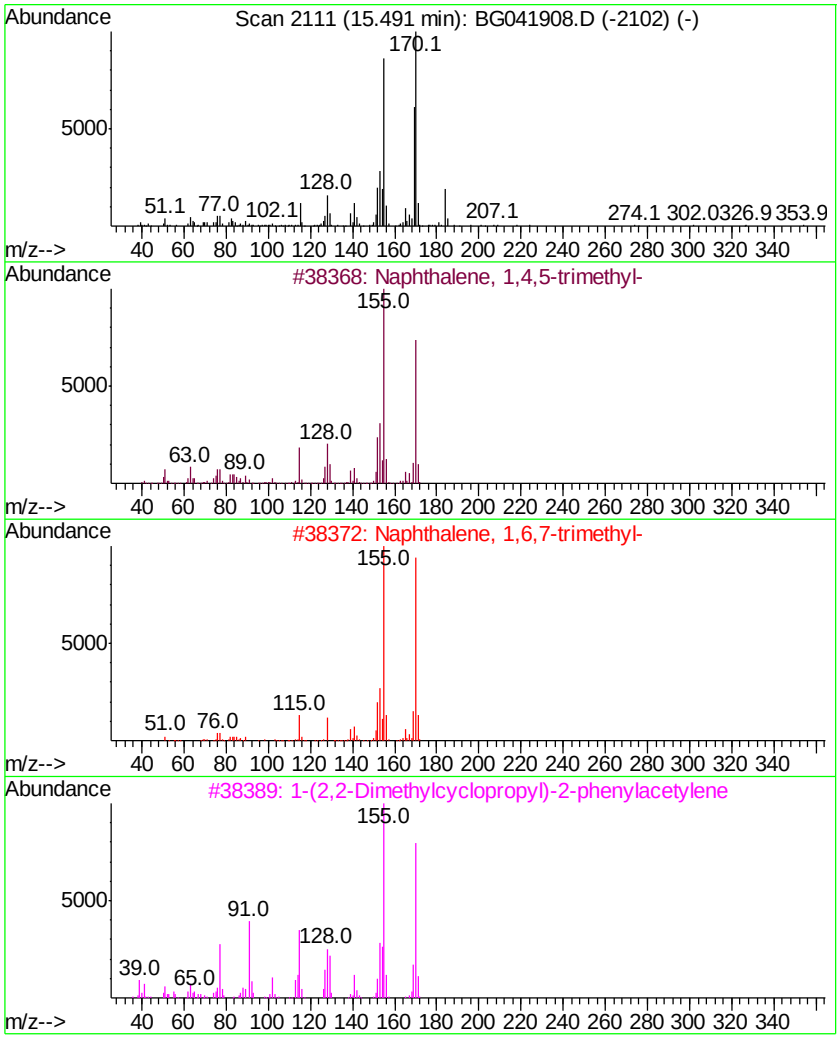
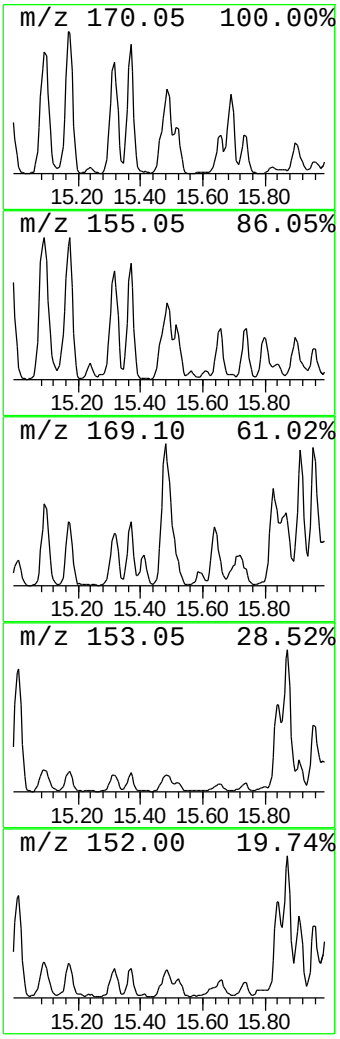
Peak Number 7 Naphthalene, 1,4,5-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	7.78 ng/ul	557956	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
3	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	76
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	76
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	76





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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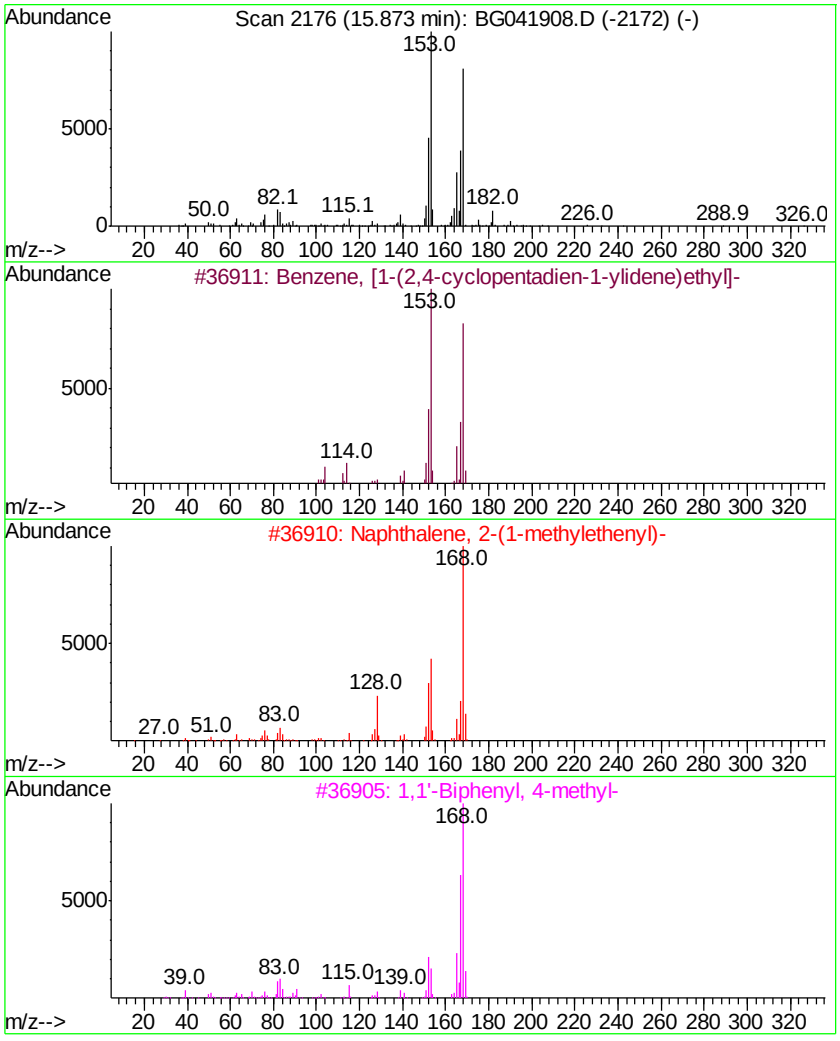
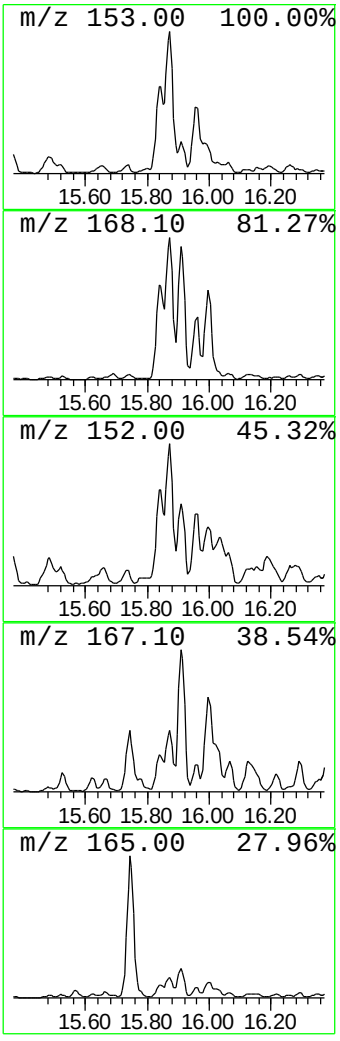
Peak Number 8 Benzene, [1-(2,4-cyclopenta... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	8.38 ng/ul	600770	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	50
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	38
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	38
5	Acetamide, 2,2-diphenyl-N-(3,3,5...	335	C23H29NO	329919-84-8	32





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Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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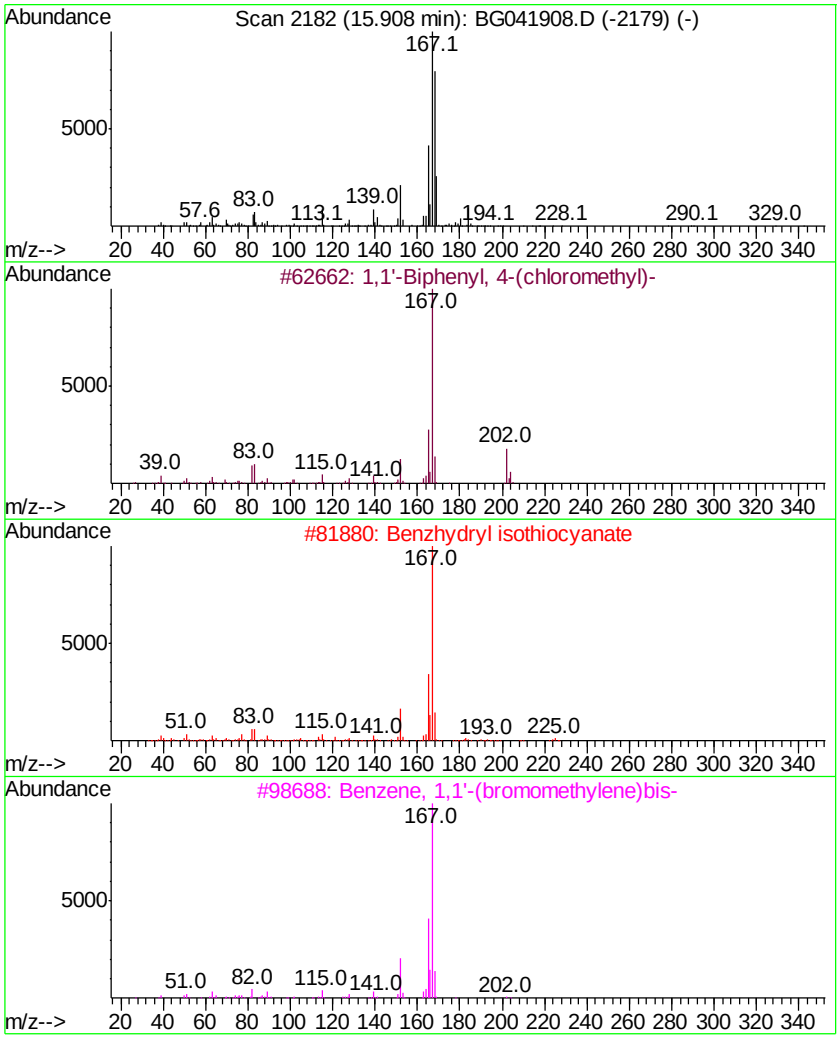
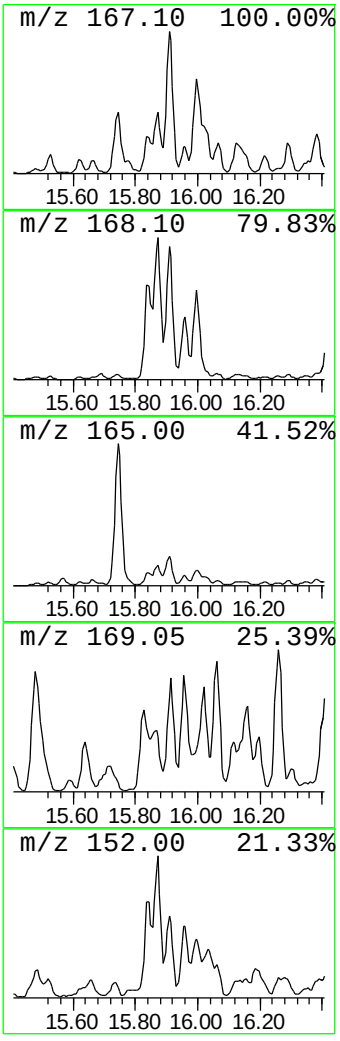
Peak Number 9 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	8.58 ng/ul	615558	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(chloromethyl)-	202	C13H11Cl	001667-11-4	49
2	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	49
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	49
4	Diphenylmethane	168	C13H12	000101-81-5	49
5	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	49





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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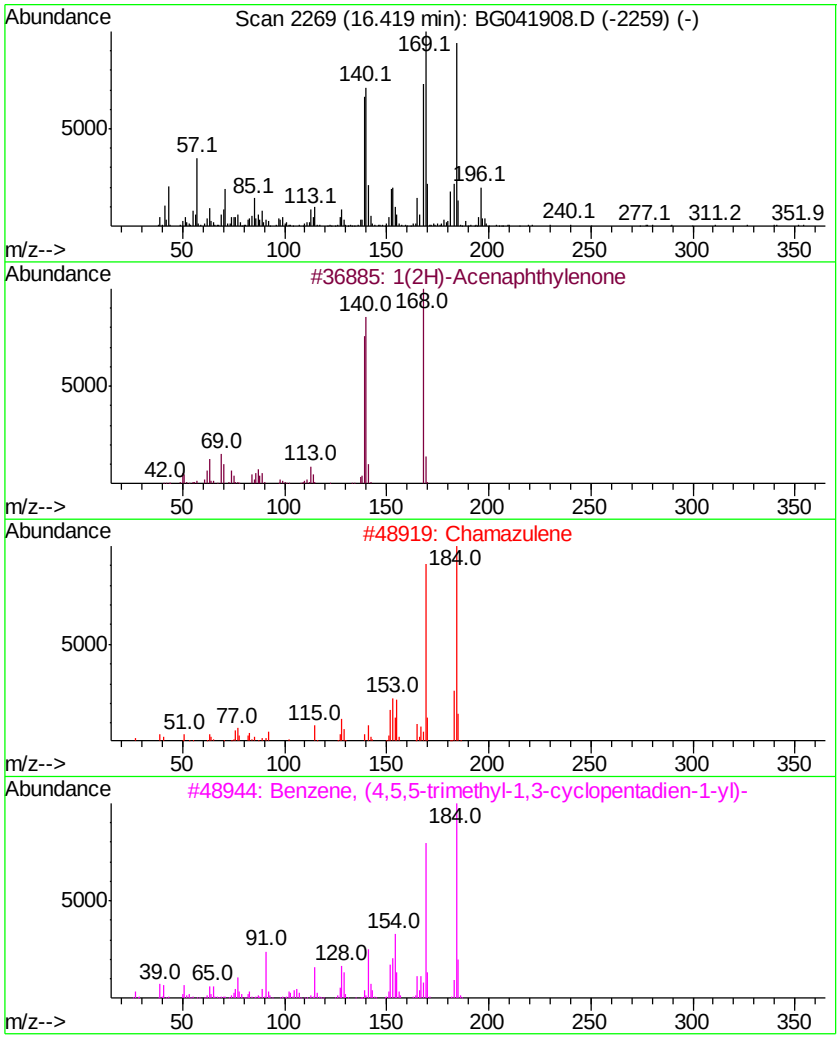
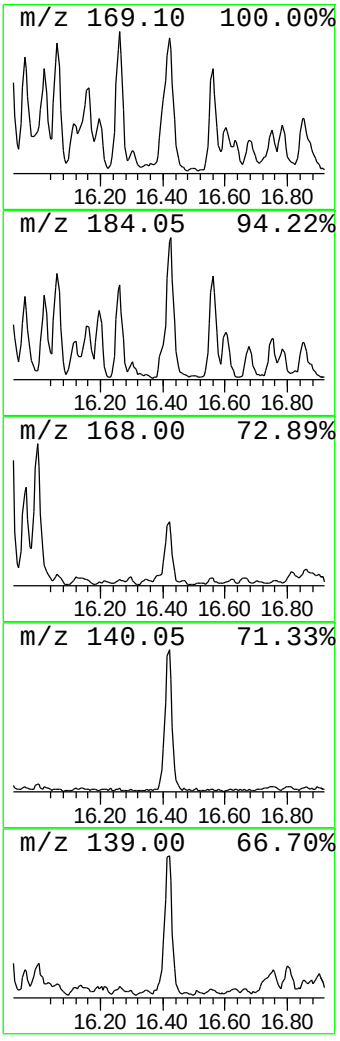
Peak Number 10 1(2H)-Acenaphthylenone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	12.96 ng/ul	781535	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	74
2	Chamazulene	184	C14H16	000529-05-5	60
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	49
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	45
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	38





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Misc :
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Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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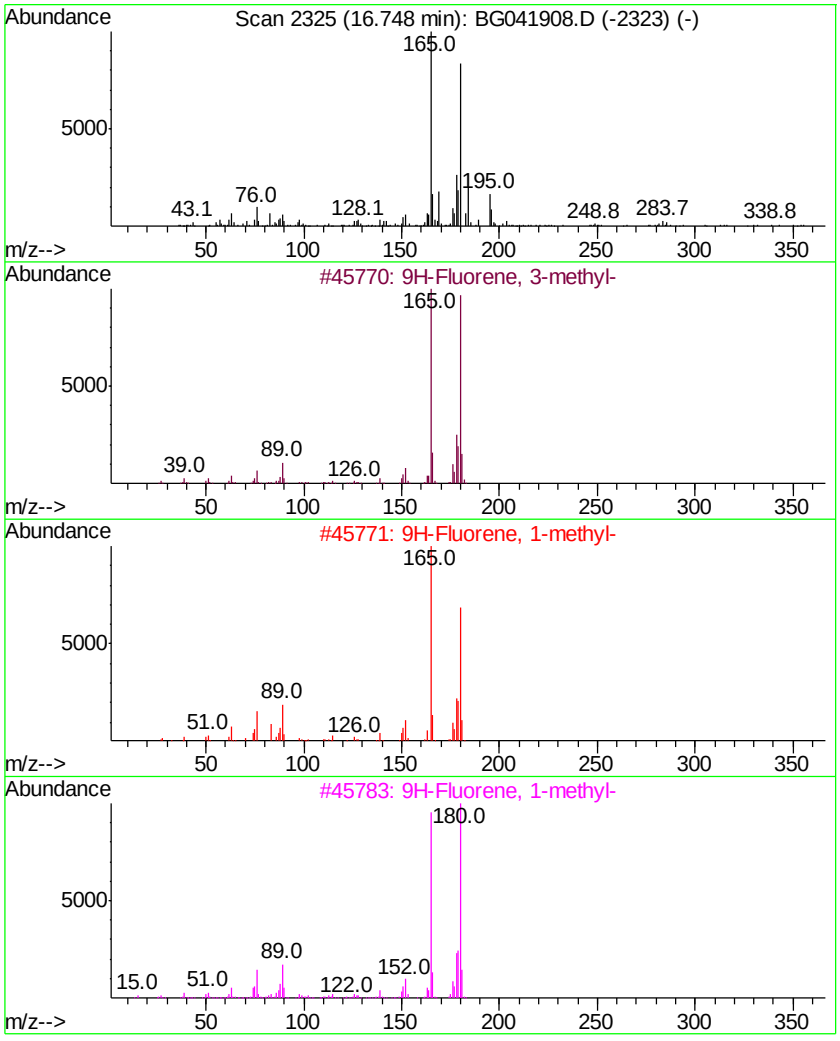
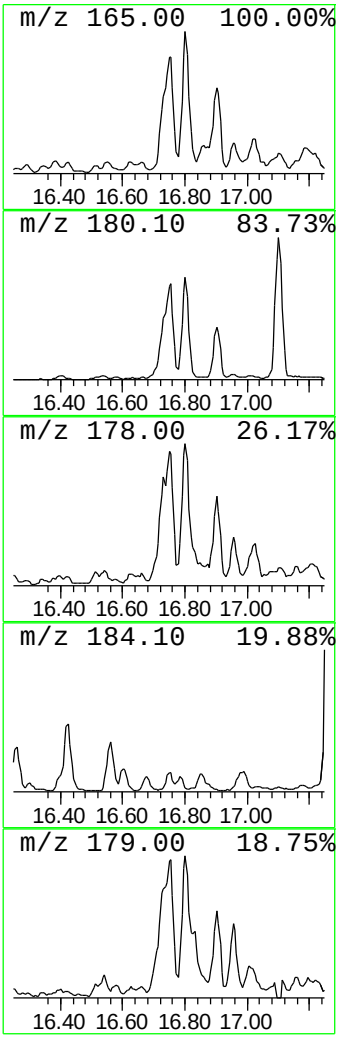
Peak Number 11 9H-Fluorene, 3-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	10.78 ng/ul	649751	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	87
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55





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Acq On : 3 Aug 2019 13:59
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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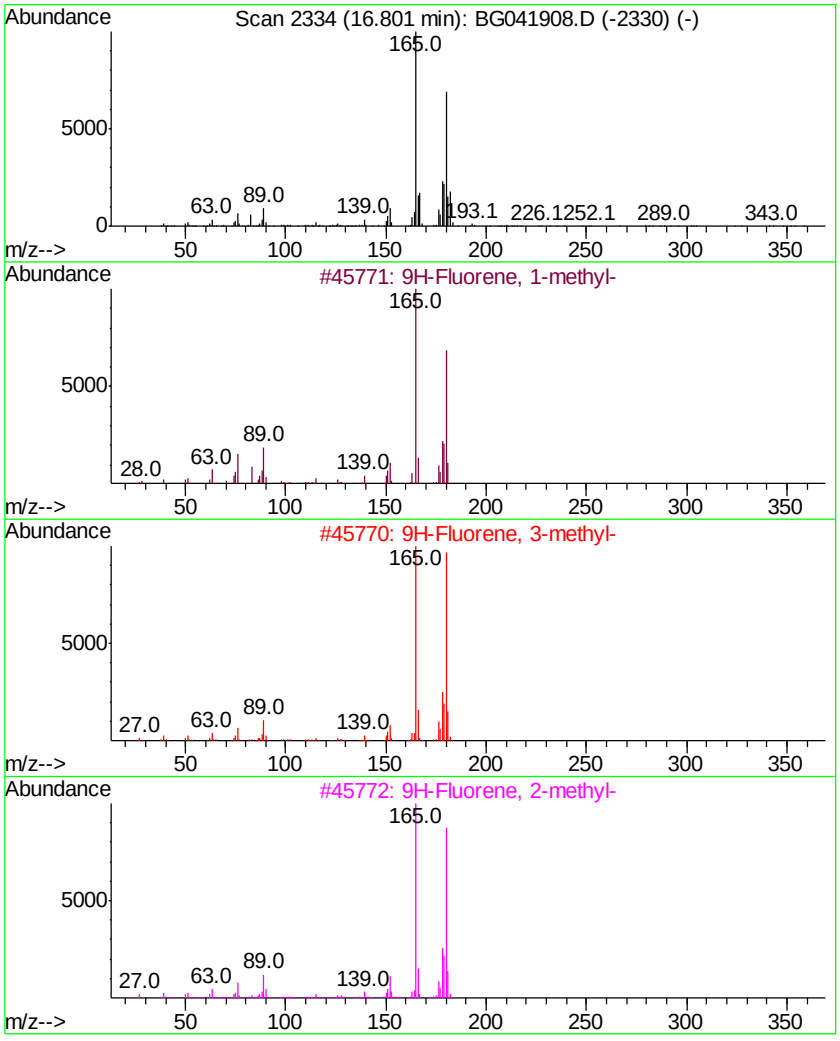
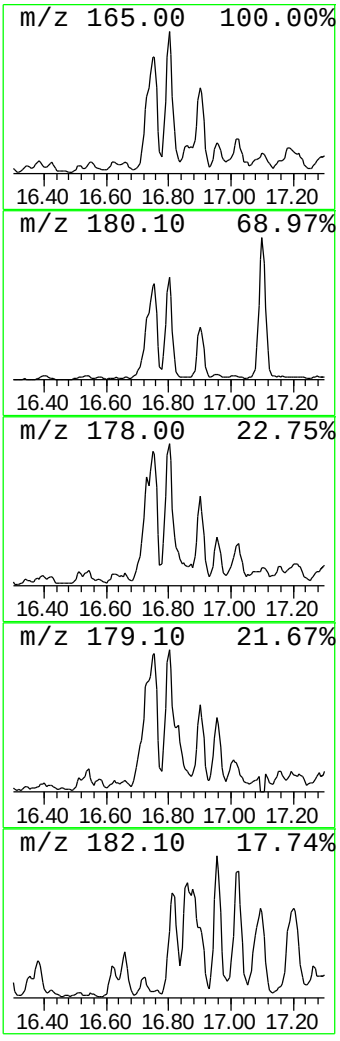
Peak Number 12 9H-Fluorene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	12.73 ng/ul	767598	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





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Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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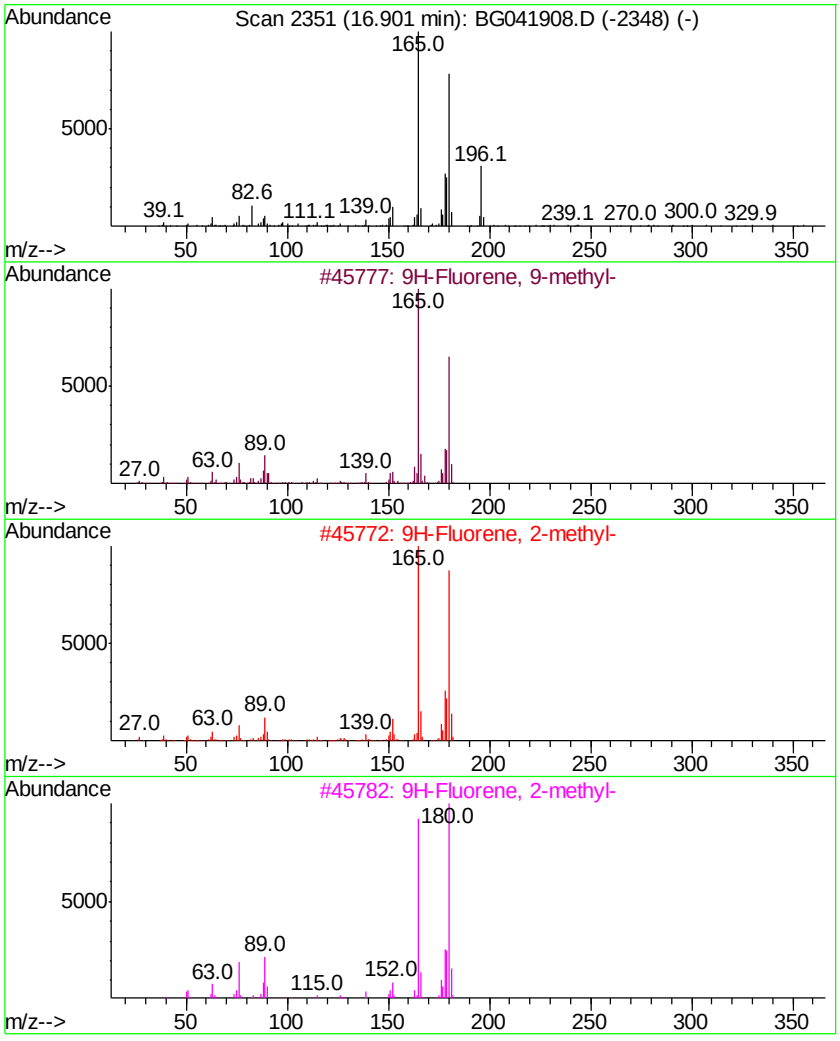
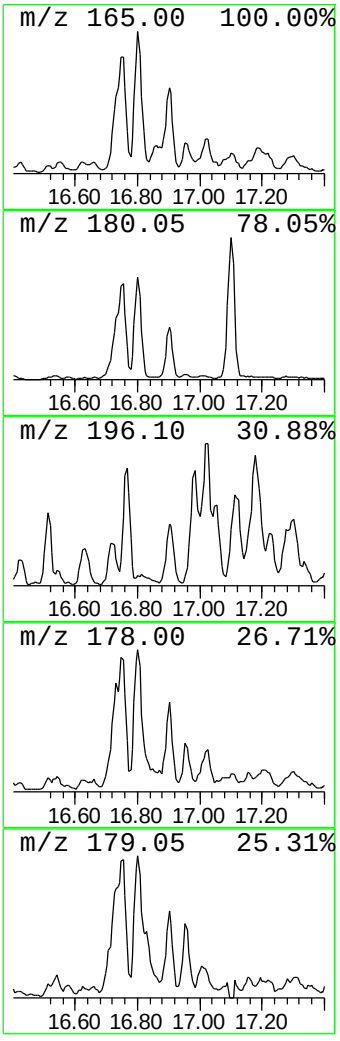
Peak Number 13 9H-Fluorene, 9-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	9.41 ng/ul	567156	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	59
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
5	2-Benzothiazolamine, 6-methoxy-	180	C8H8N2OS	001747-60-0	58





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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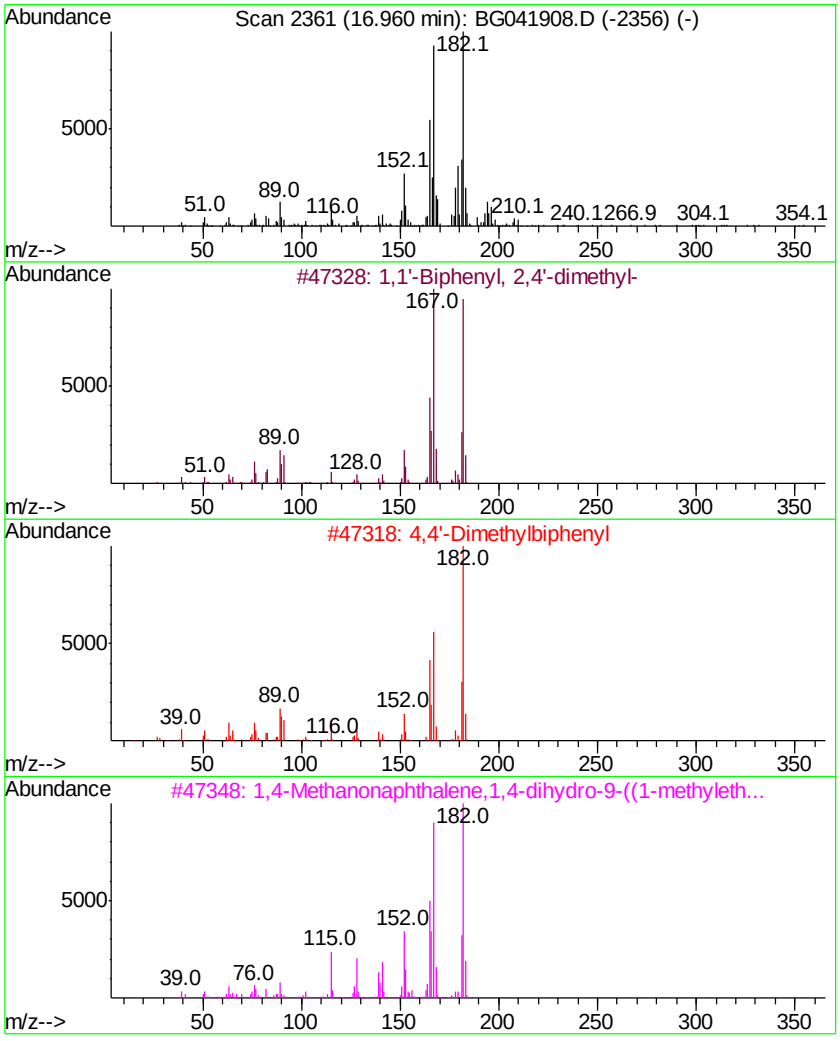
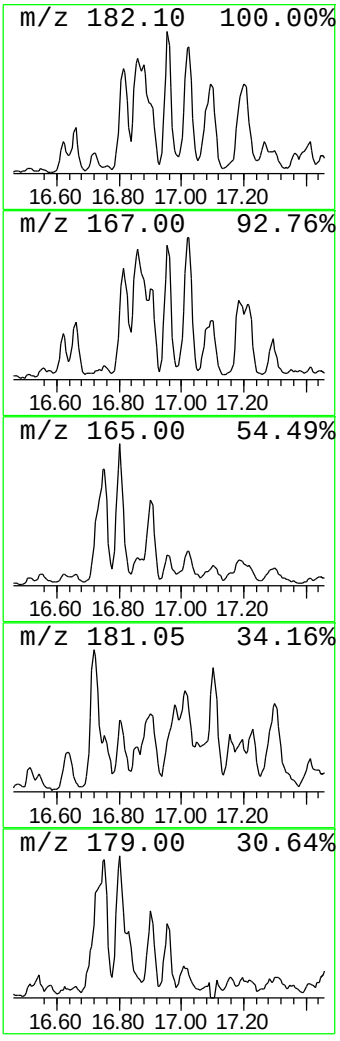
Peak Number 14 1,1'-Biphenyl, 2,4'-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	11.27 ng/ul	679166	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	90
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	90
3	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	90
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	90
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	83





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Misc :
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Instrument : BNA_G
ClientSampleId : BENQ0

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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 9H-Fluoren-9-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	13.07 ng/ul	787940	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72
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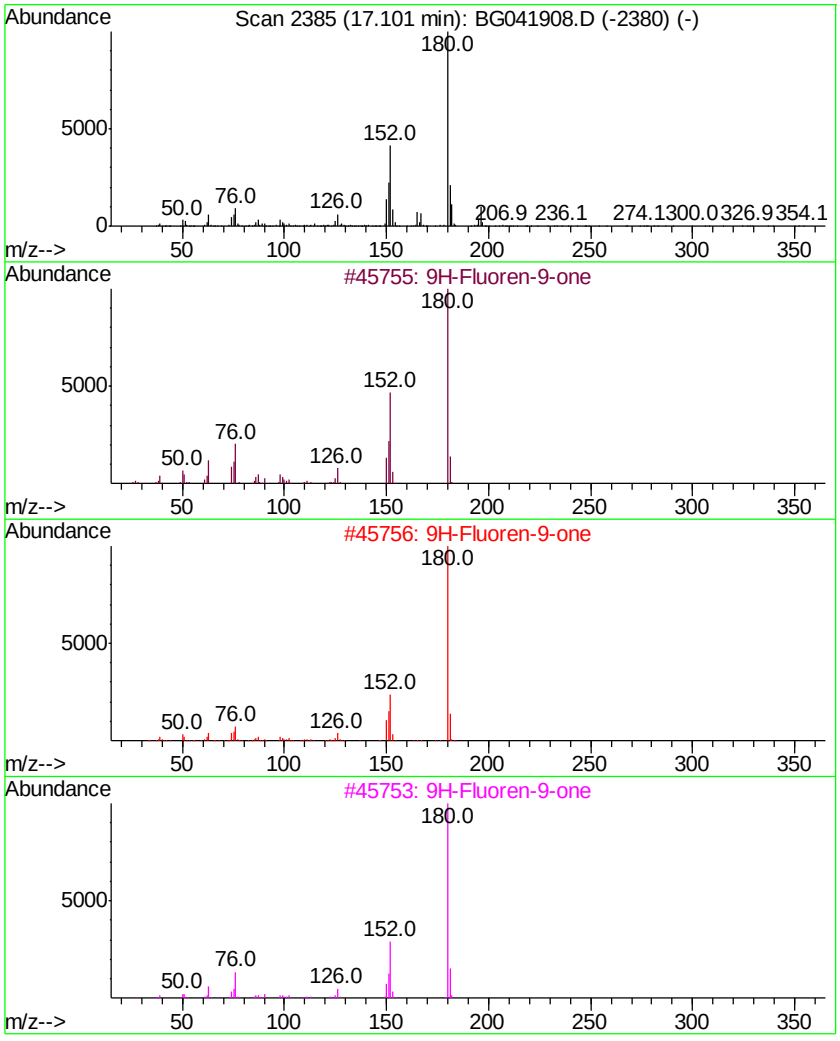

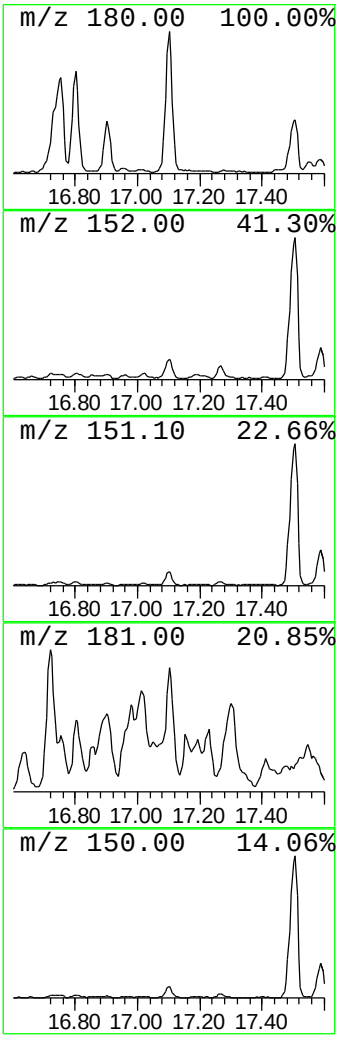

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Quant Title : SVOA CALIBRATION

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

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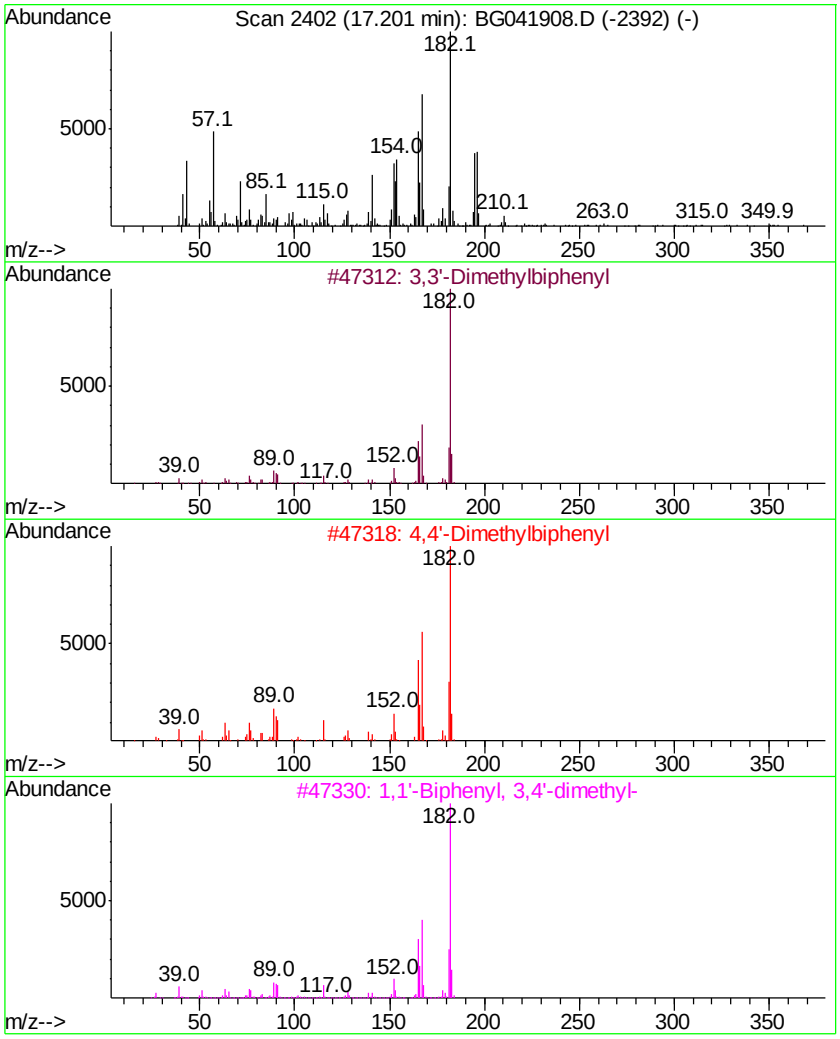
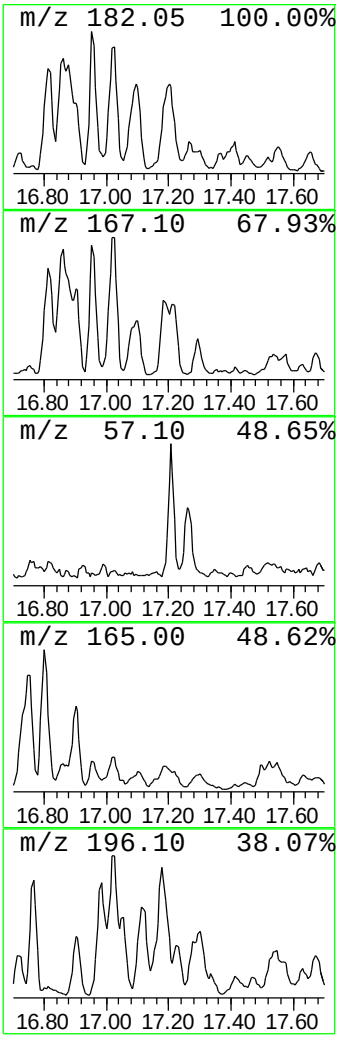
Peak Number 16 3,3'-Dimethylbiphenyl Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	13.71 ng/ul	826529	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	64
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	60
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	52
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	49
5	4-Ethylbiphenyl	182	C14H14	005707-44-8	49





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Quant Title : SVOA CALIBRATION

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

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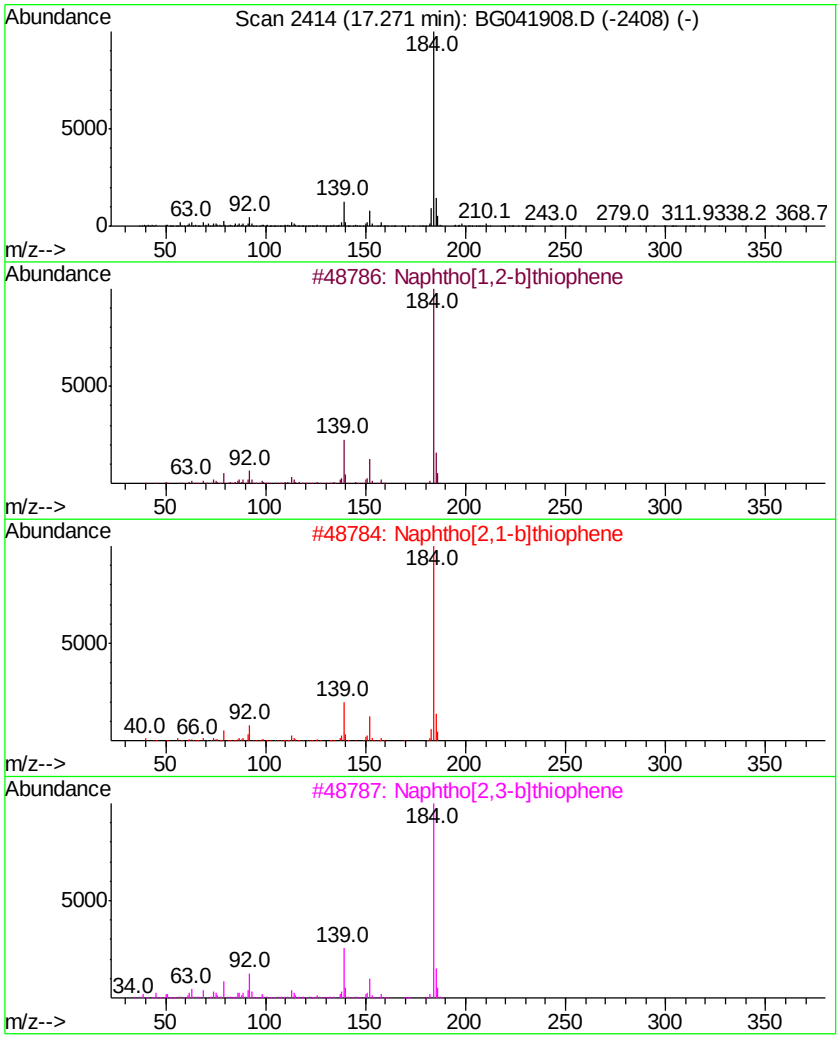
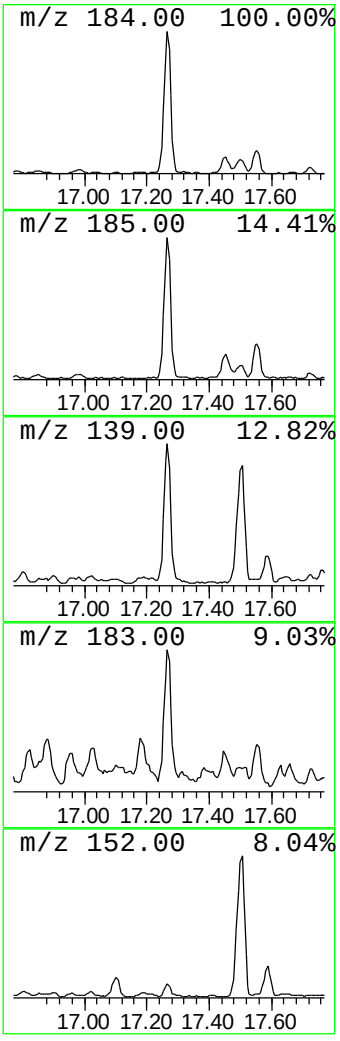
Peak Number 17 Naphtho[1,2-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	24.36 ng/ul	1468740	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	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	Dibenzothiophene	184	C12H8S	000132-65-0	93





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ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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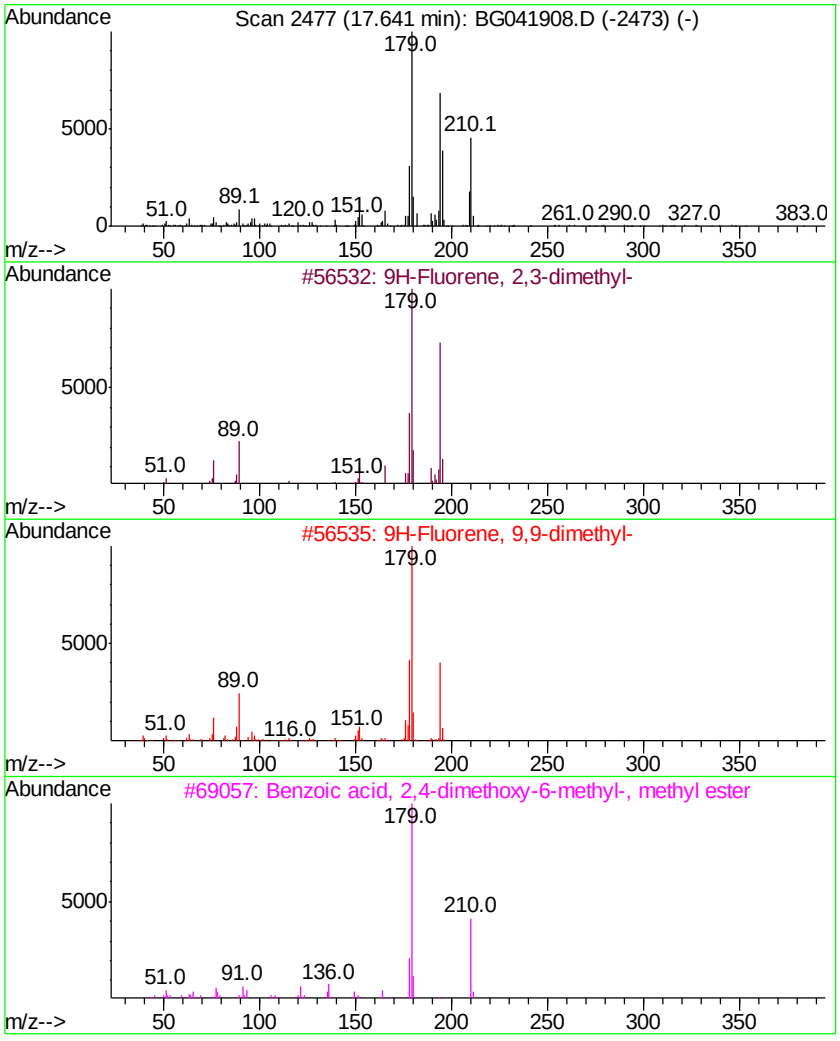
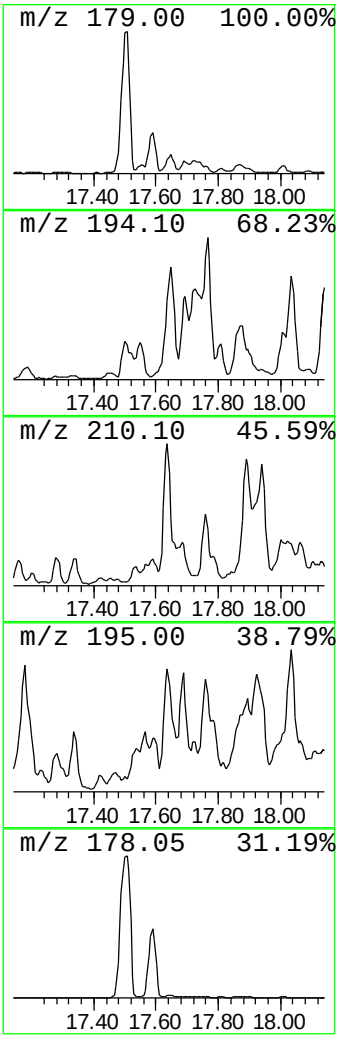
Peak Number 18 9H-Fluorene, 2,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	11.10 ng/ul	669111	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	93
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	49
3	Benzoic acid, 2,4-dimethoxy-6-me...	210	C11H14O4	006110-37-8	47
4	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	46
5	.alpha.-Methylstilbene	194	C15H14	000779-51-1	46





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Acq On : 3 Aug 2019 13:59
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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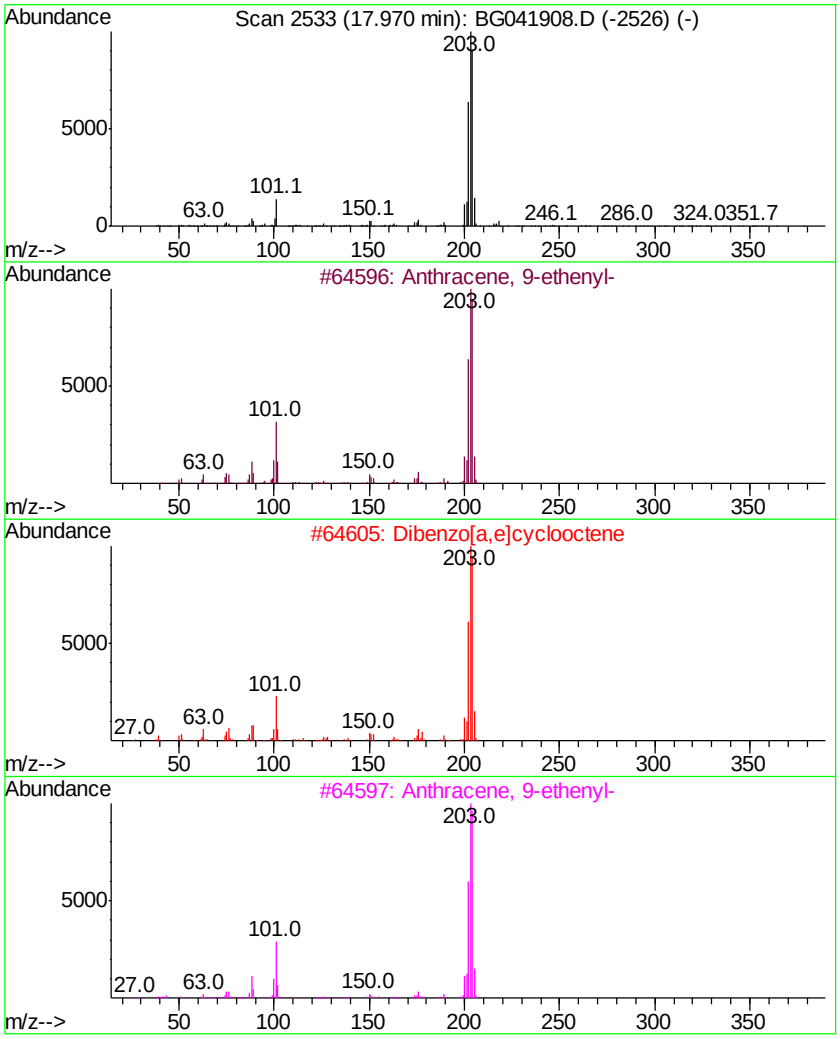
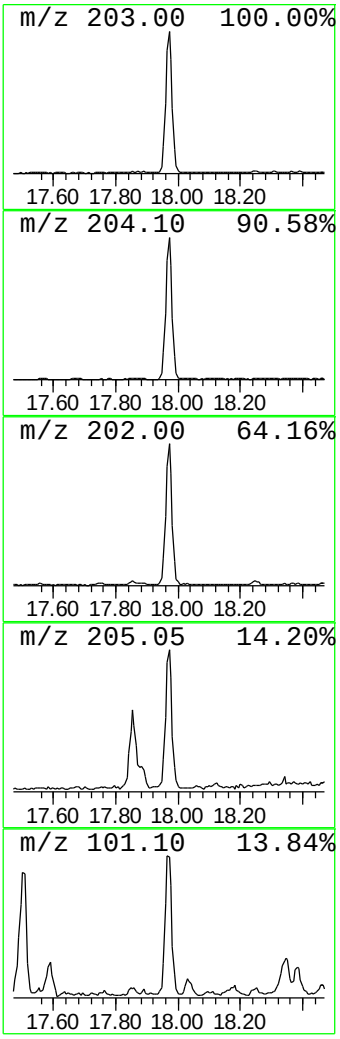
Peak Number 19 Anthracene, 9-ethenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	10.36 ng/ul	624687	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	81
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	74
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	72





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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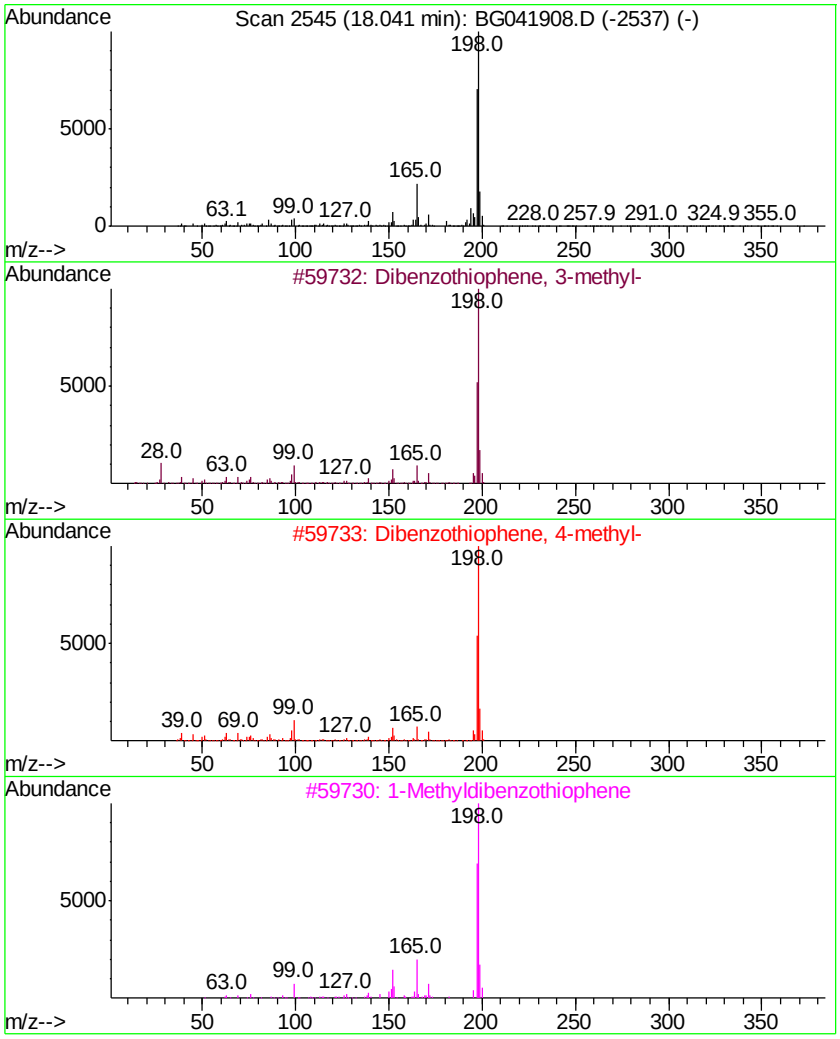
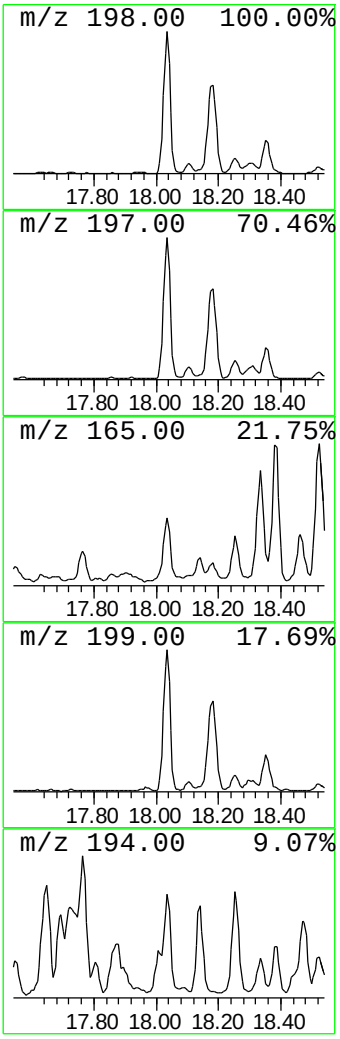
Peak Number 20 Dibenzothiophene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	34.20 ng/ul	2061370	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
4	Thioxanthene	198	C13H10S	000261-31-4	70
5	Tacrine	198	C13H14N2	000321-64-2	64





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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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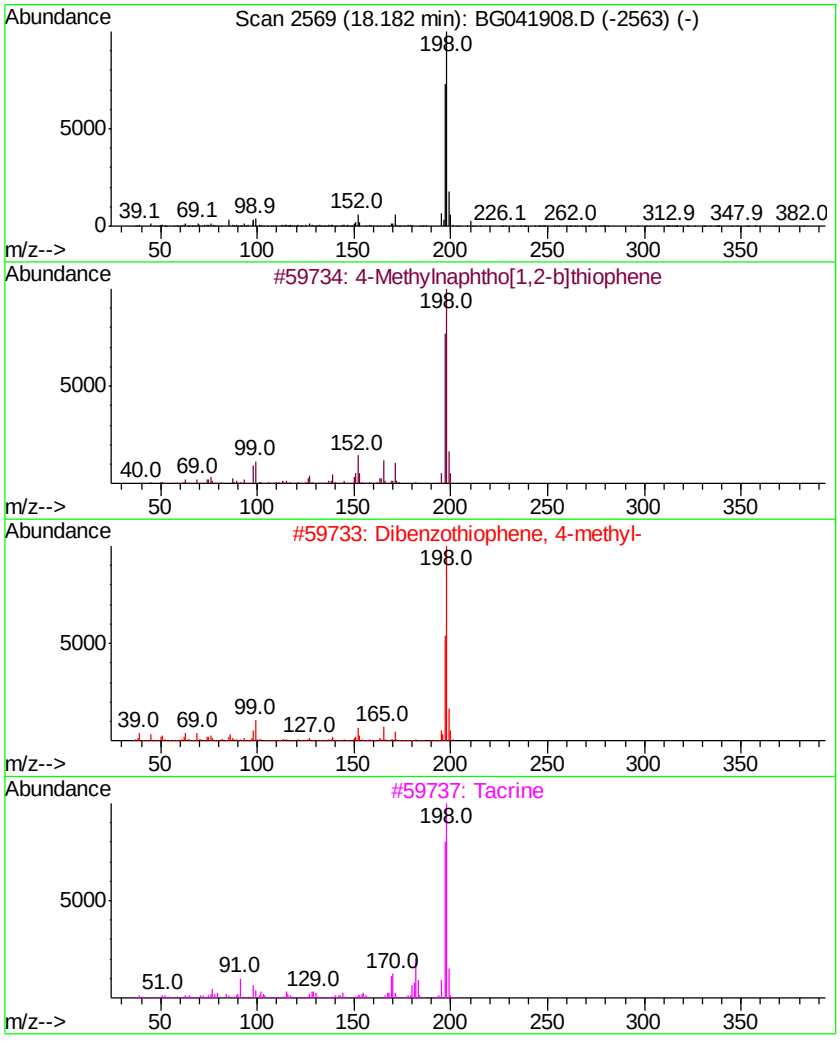
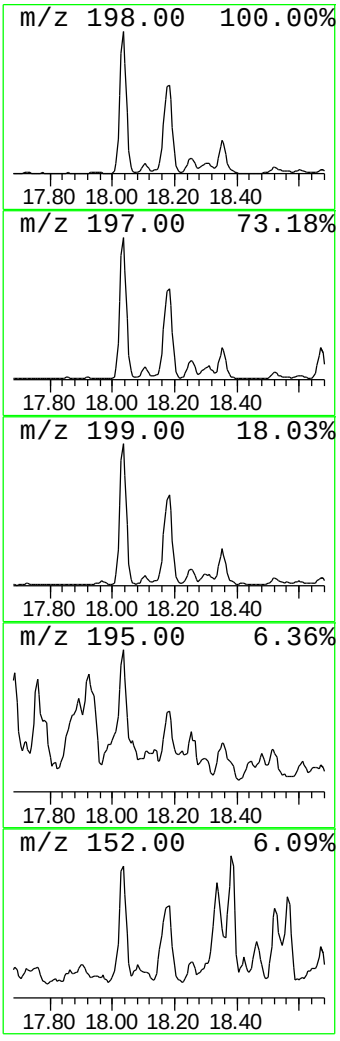
Peak Number 21 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	21.48 ng/ul	1295010	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	Tacrine	198	C13H14N2	000321-64-2	86
4	Tacrine	198	C13H14N2	000321-64-2	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	78





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Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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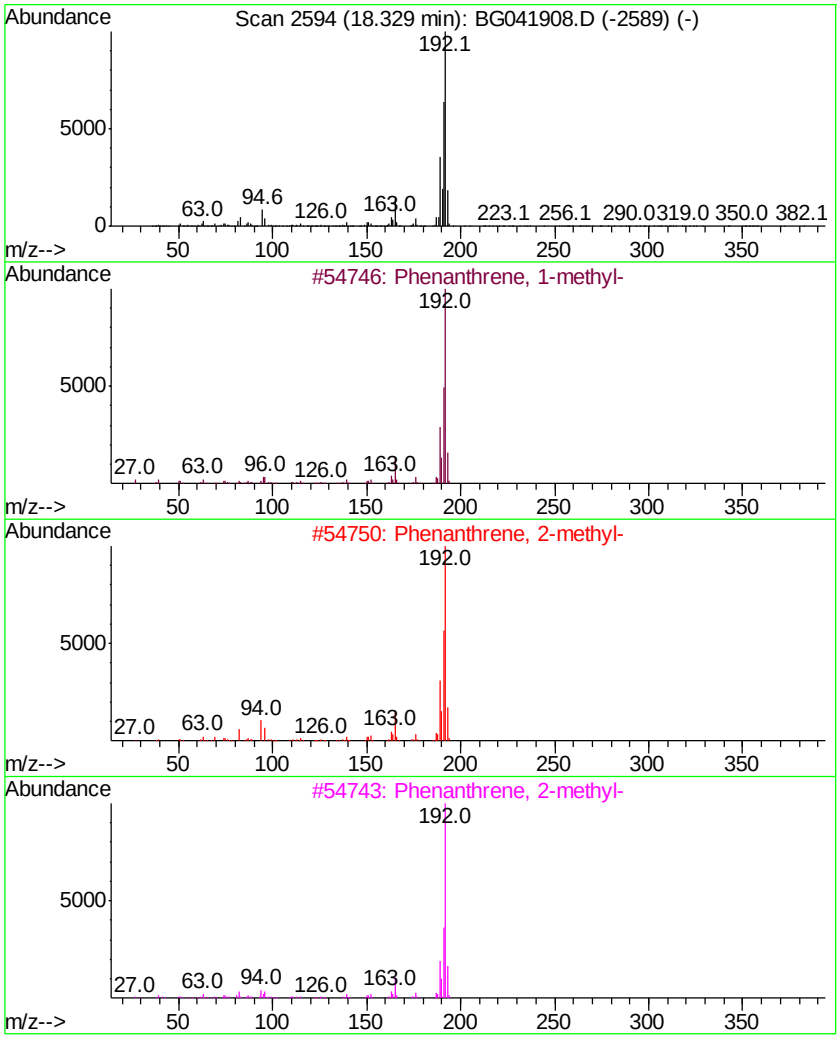
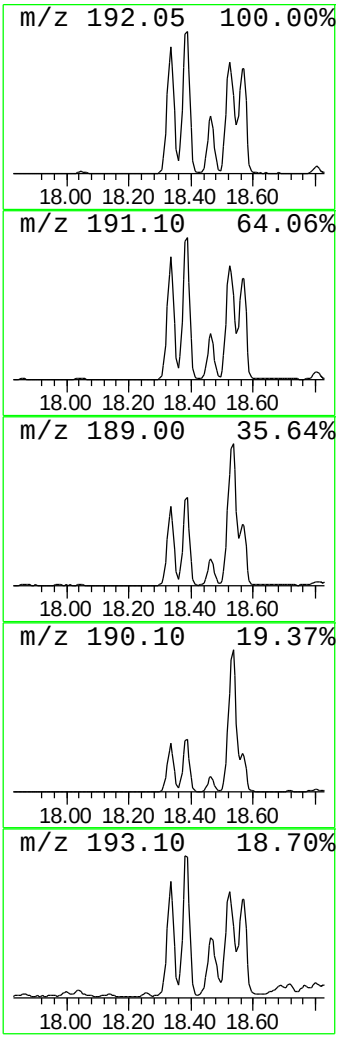
Peak Number 22 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	100.50 ng/ul	6058450	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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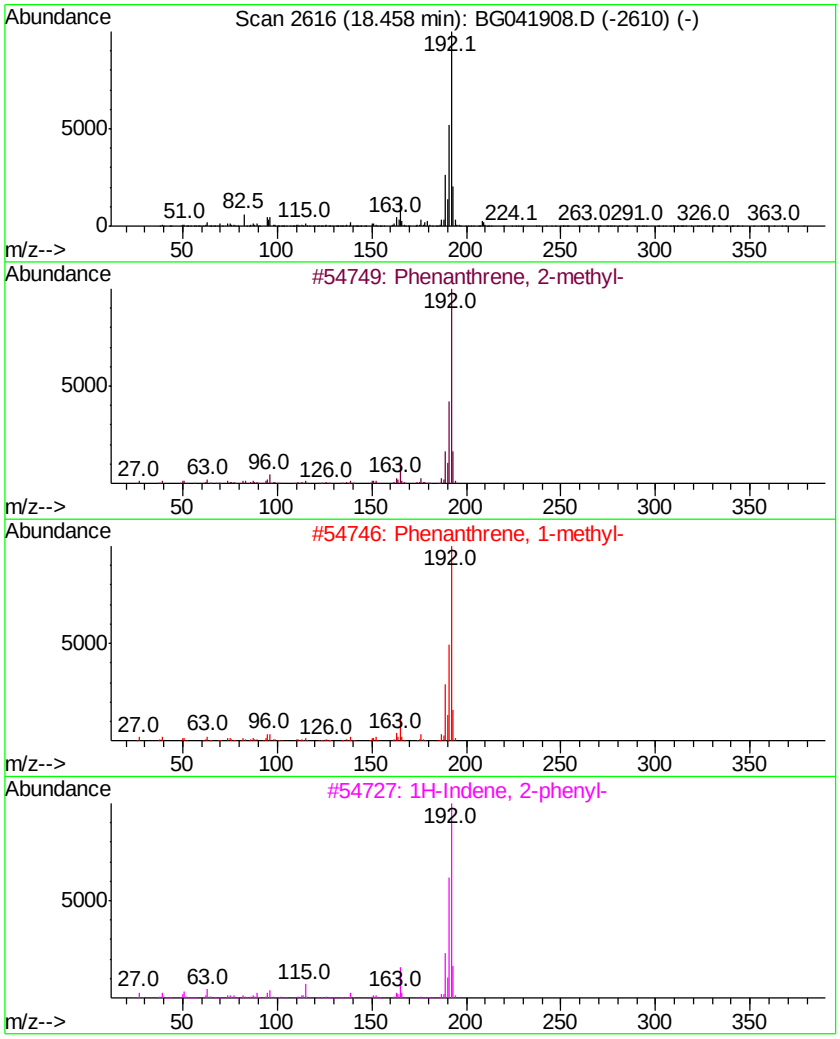
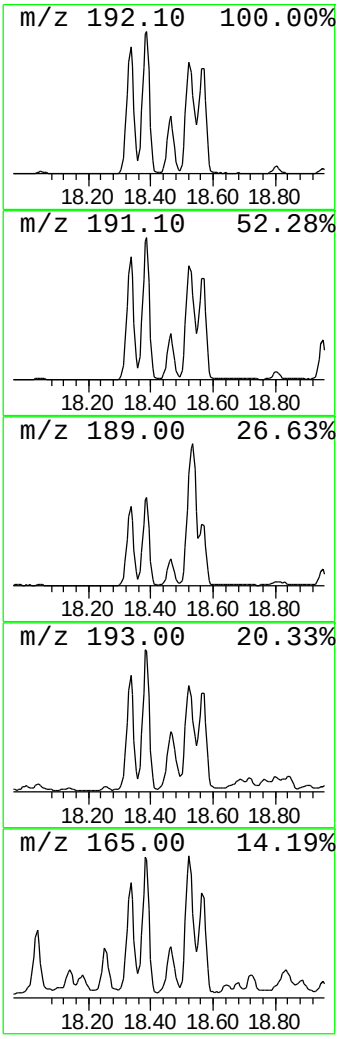
Peak Number 24 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	39.83 ng/ul	2400980	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : HP/JU
Sample : K3850-07
Misc :
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Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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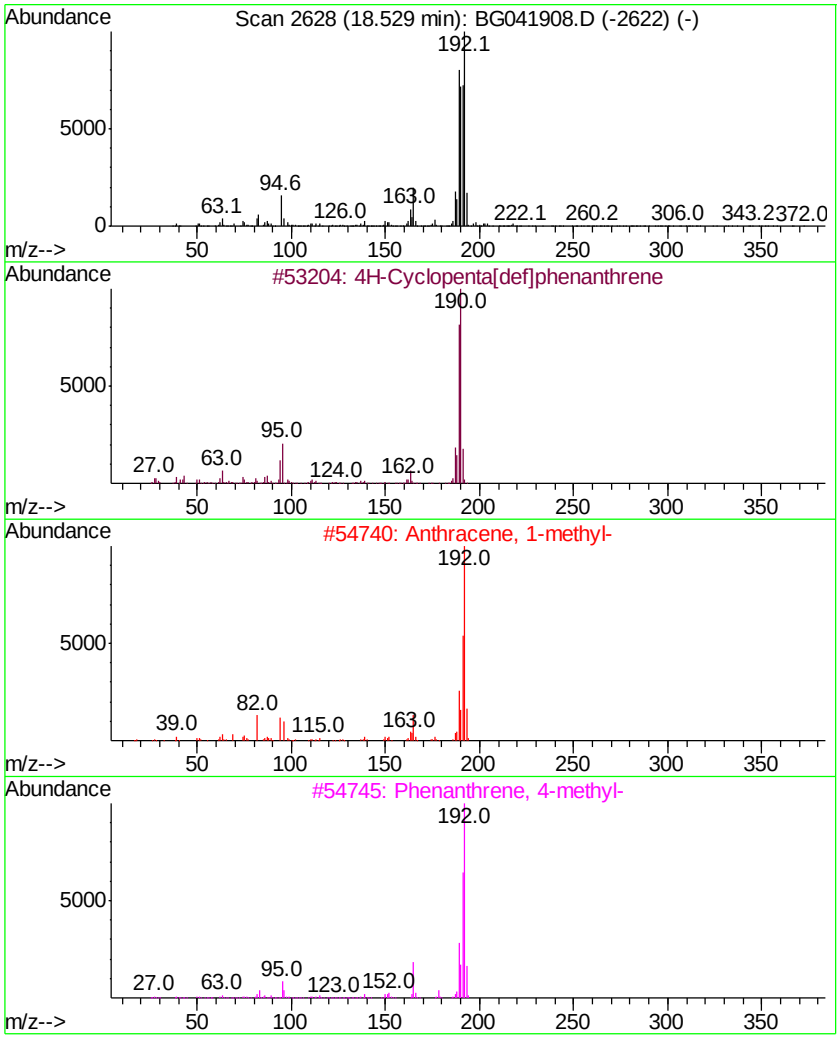
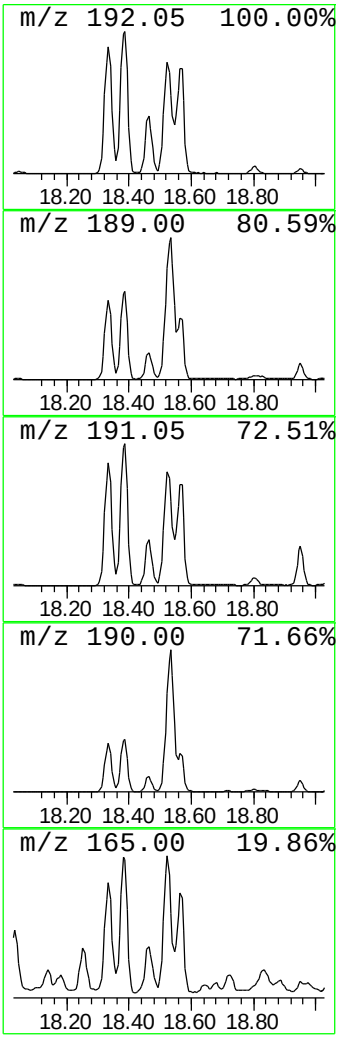
Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	137.82 ng/ul	8307970	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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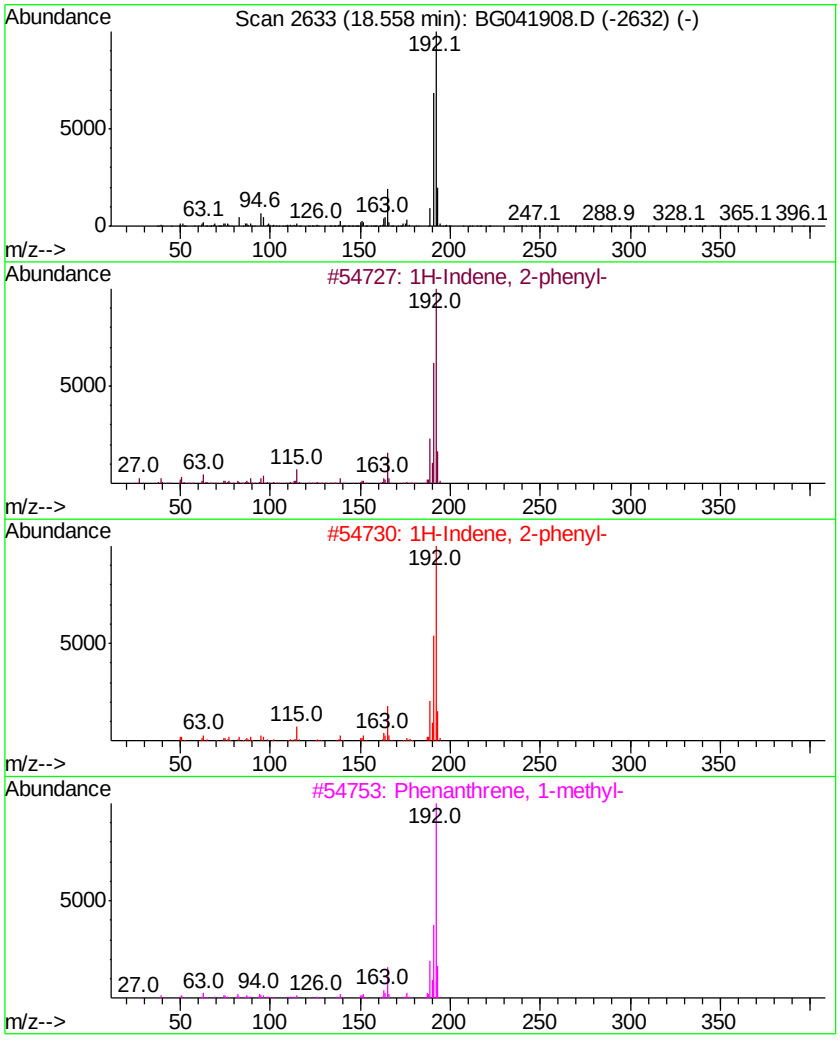
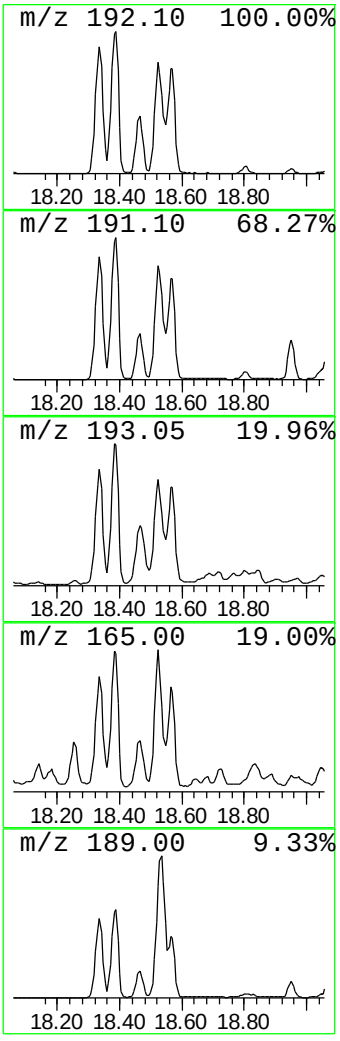
Peak Number 26 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	61.64 ng/ul	3715430	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





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Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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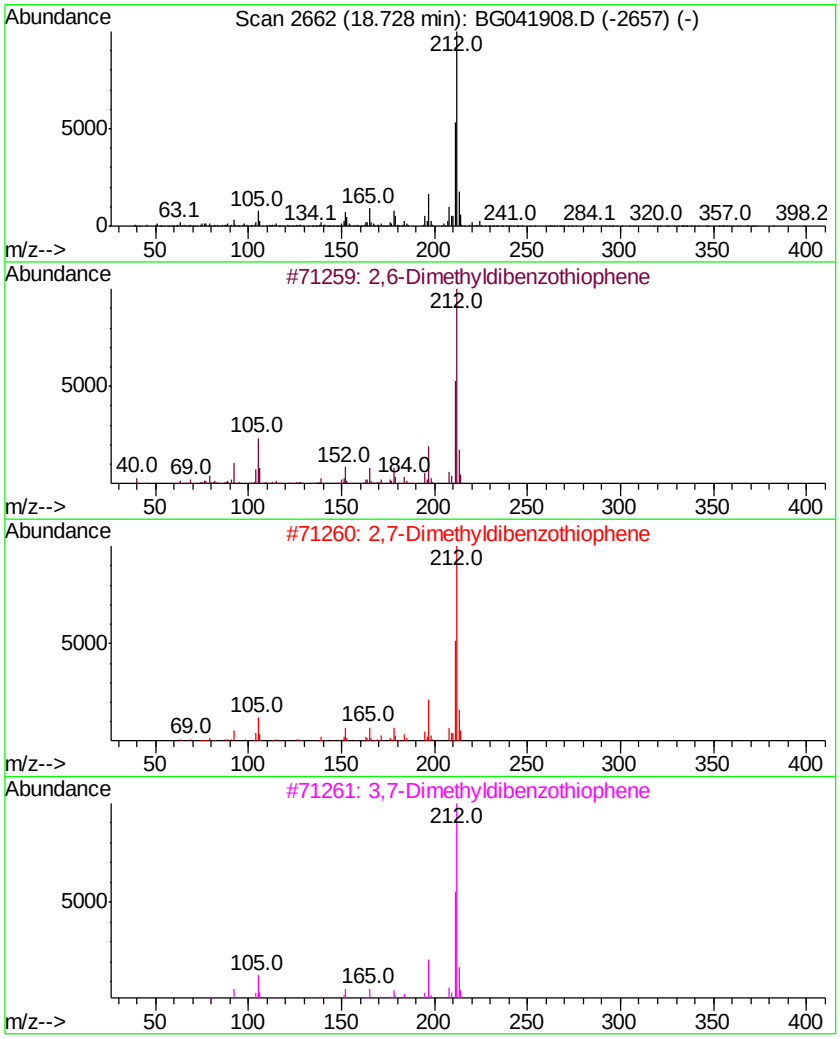
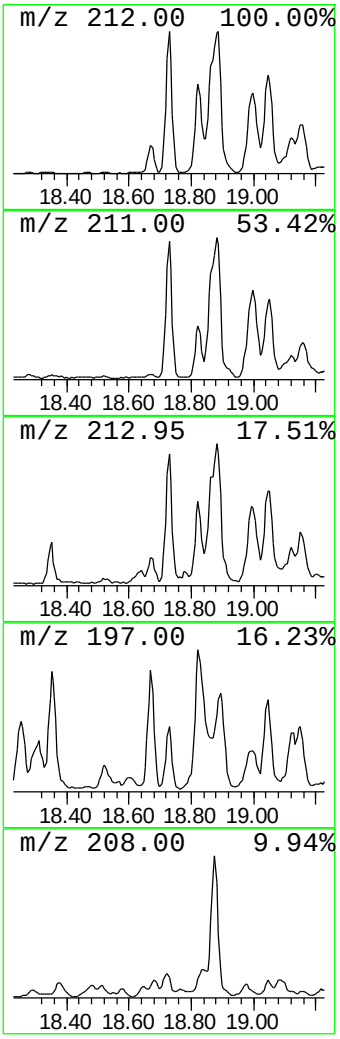
Peak Number 27 2,6-Dimethyldibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	15.83 ng/ul	954494	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	96
2	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	96
3	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	96
4	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	95
5	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	94





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ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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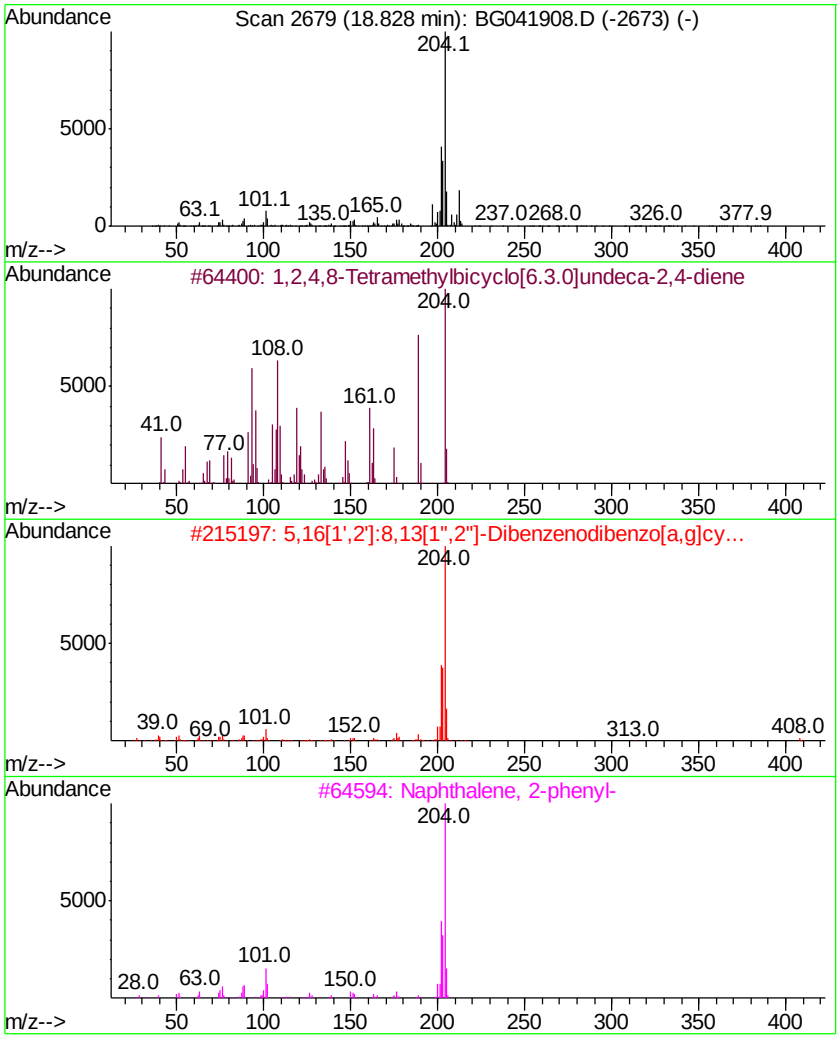
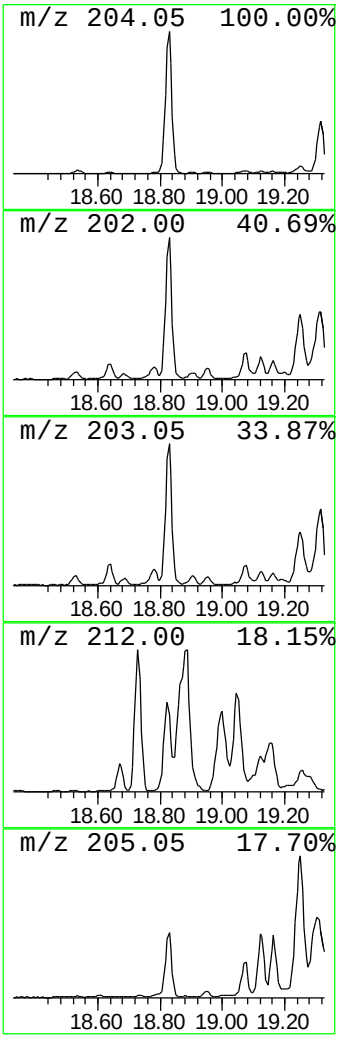
Peak Number 28 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	46.39 ng/ul	2796400	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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Quant Title : SVOA CALIBRATION

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

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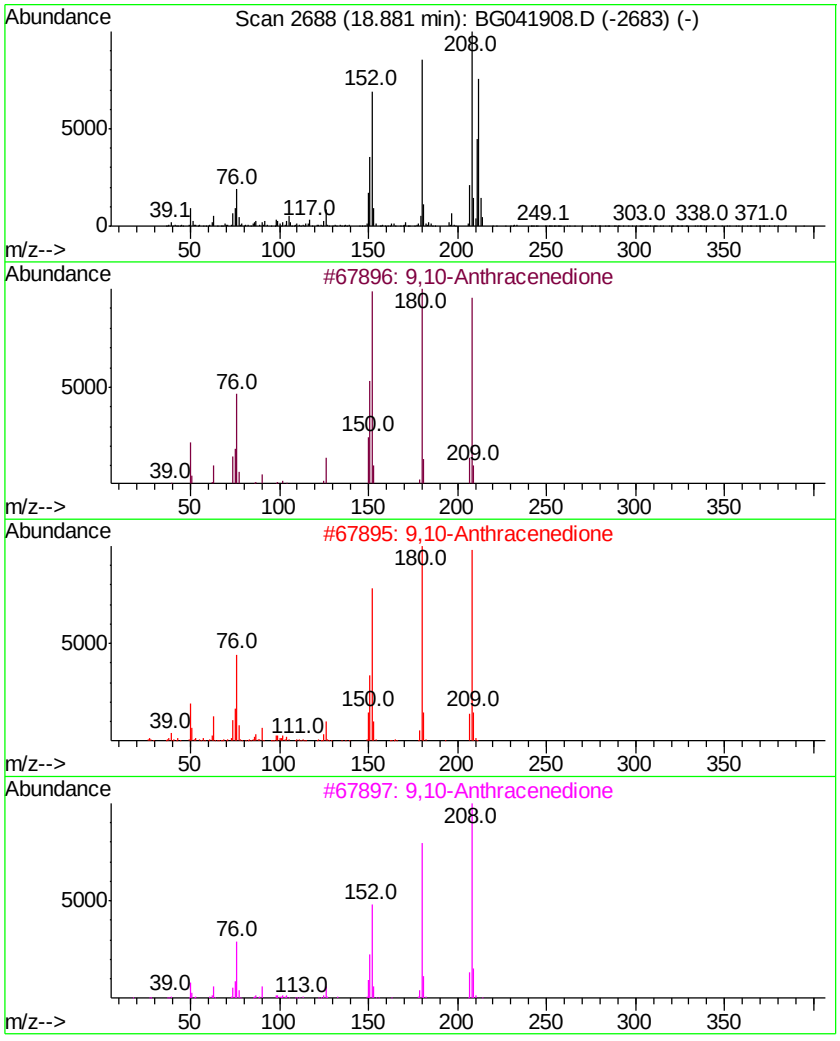
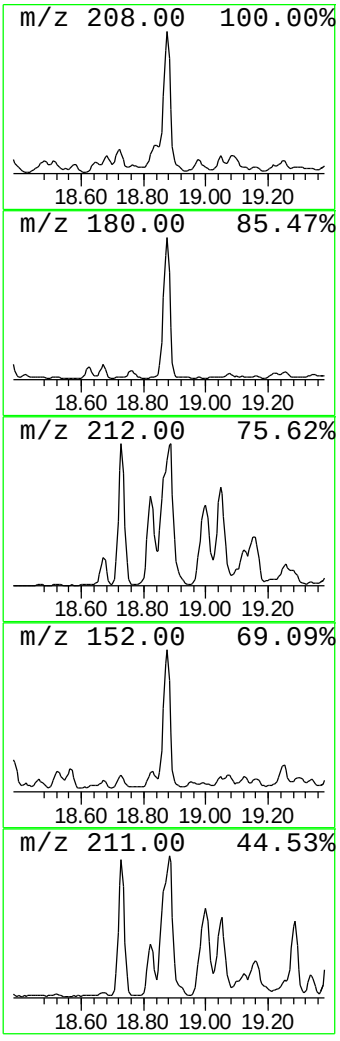
Peak Number 29 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	48.27 ng/ul	2909830	Phenanthrene-d10	17.45

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	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46





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Misc :
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ClientSampleId : BENQ0

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Quant Title : SVOA CALIBRATION

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

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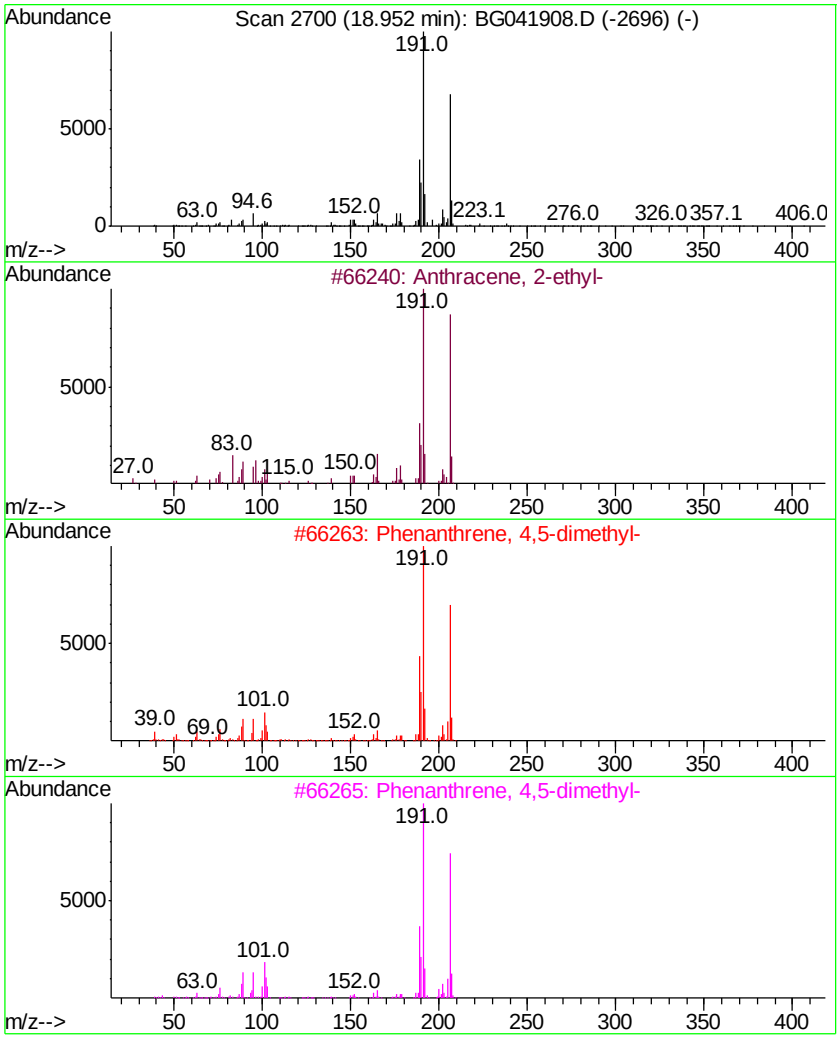
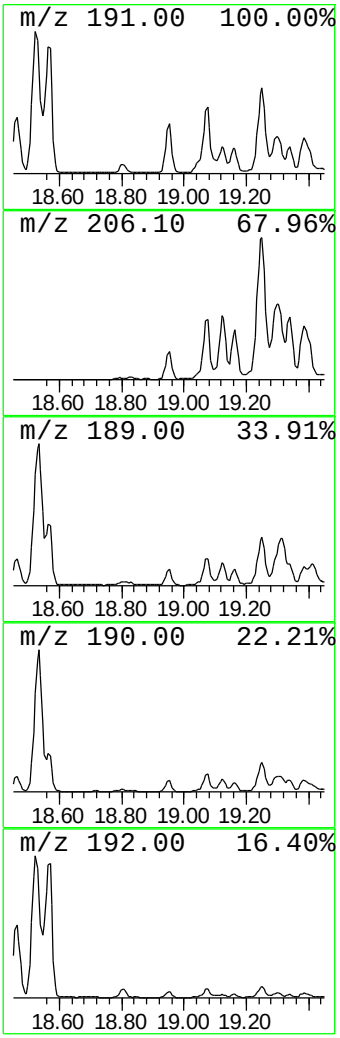
Peak Number 30 Anthracene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	18.72 ng/ul	1128590	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041908.D
Acq On : 3 Aug 2019 13:59
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

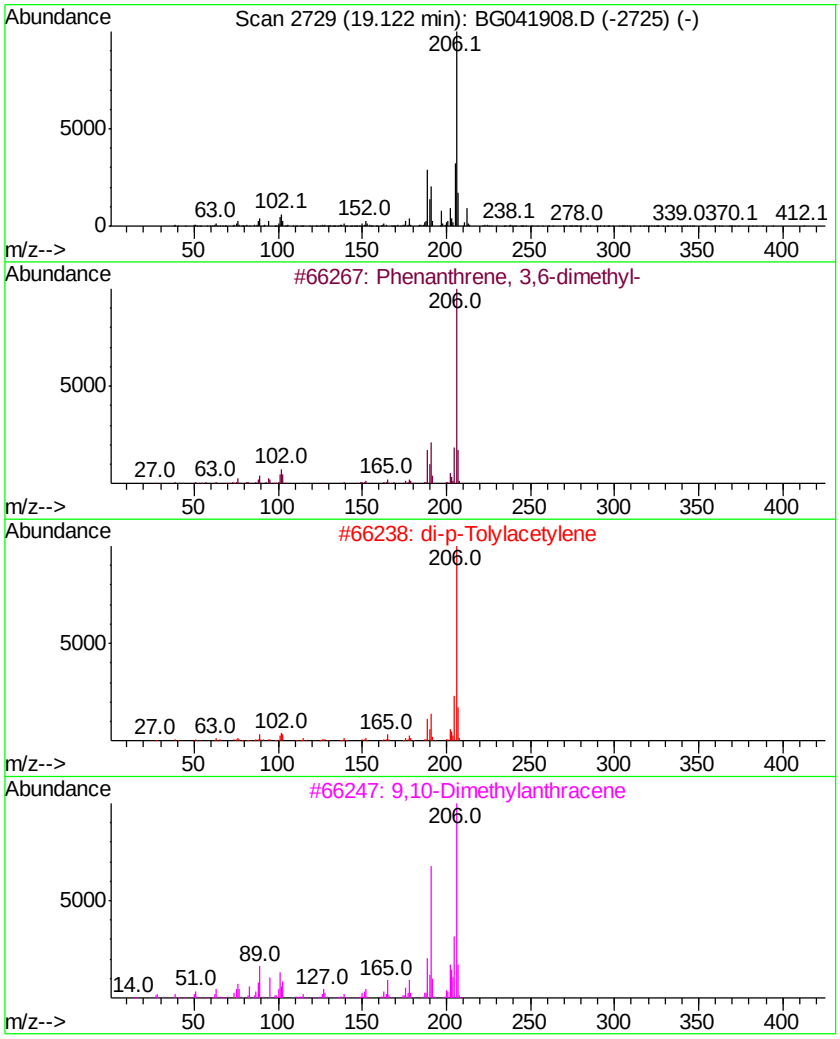
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

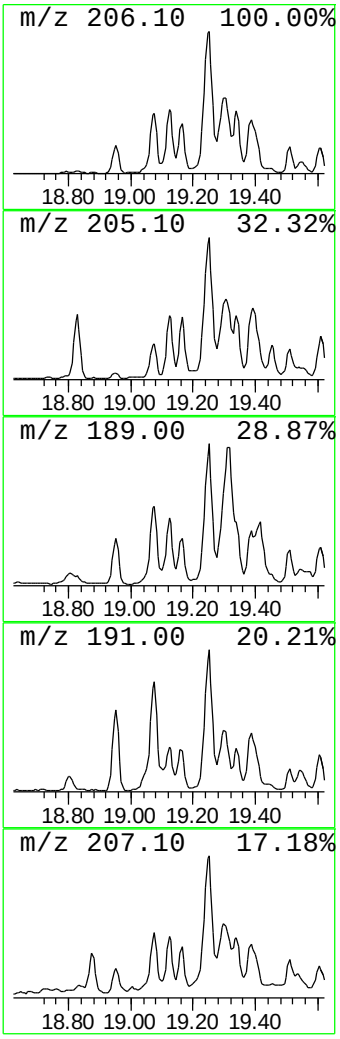
****

Peak Number 32 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	19.22 ng/ul	1158800	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	72
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	64
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041908.D
Acq On : 3 Aug 2019 13:59
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

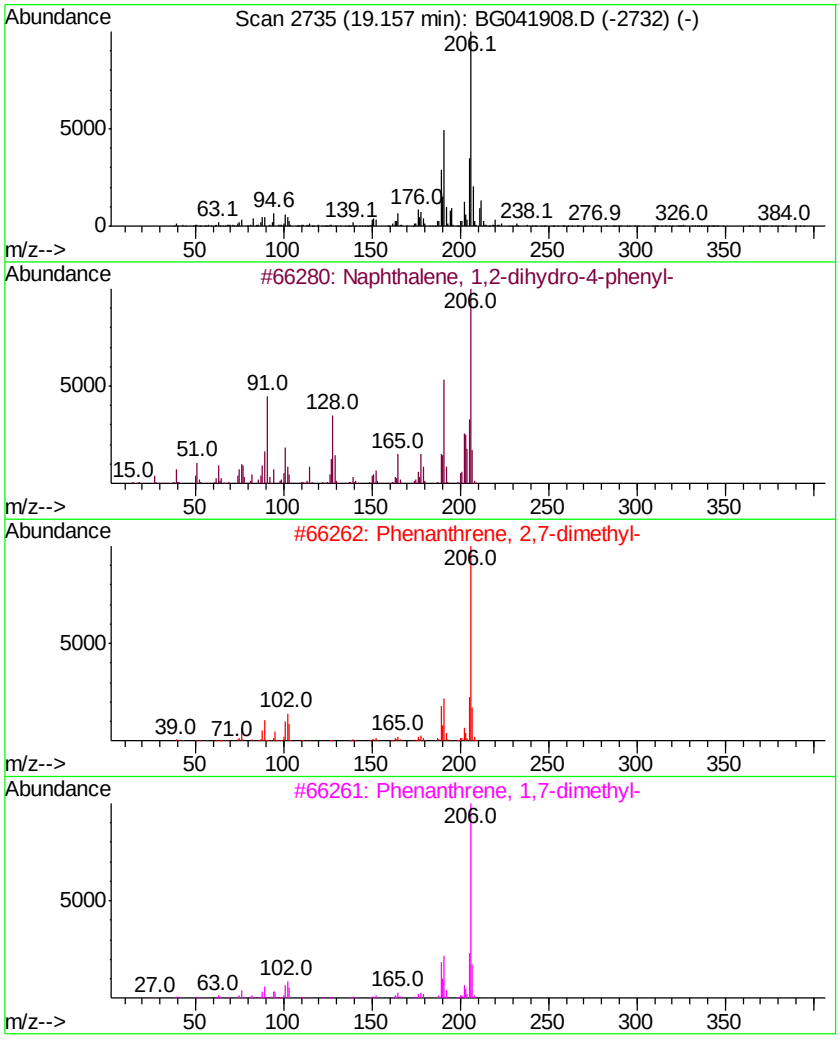
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

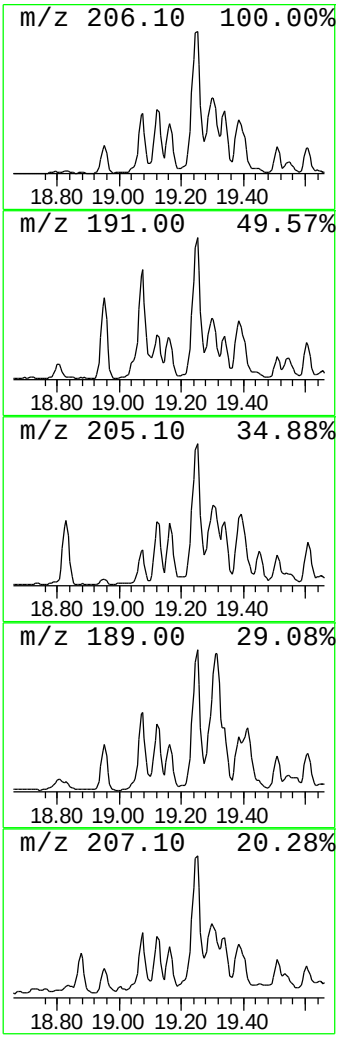
****

Peak Number 33 Naphthalene, 1,2-dihydro-4-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	24.10 ng/ul	1452600	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041908.D
Acq On : 3 Aug 2019 13:59
Operator : HP/JU
Sample : K3850-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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...	3.15	109.2	ng/ul	3038300	1	8.04	556610	20.0
Naphthalene, 1-me...	12.74	18.0	ng/ul	744283	2	10.86	827831	20.0
Naphthalene, 1-et...	13.72	8.2	ng/ul	589036	3	14.70	1434080	20.0
Naphthalene, 1,7-...	13.87	10.6	ng/ul	759986	3	14.70	1434080	20.0
1-Isopropenylnaph...	15.00	9.1	ng/ul	651642	3	14.70	1434080	20.0
Naphthalene, 1,4,...	15.49	7.8	ng/ul	557956	3	14.70	1434080	20.0
Benzene, [1-(2,4-...	15.87	8.4	ng/ul	600770	3	14.70	1434080	20.0
unknown-01	15.91	8.6	ng/ul	615558	3	14.70	1434080	20.0
1(2H)-Acenaphthyl...	16.42	13.0	ng/ul	781535	4	17.45	1205620	20.0
9H-Fluorene, 3-me...	16.75	10.8	ng/ul	649751	4	17.45	1205620	20.0
9H-Fluorene, 1-me...	16.80	12.7	ng/ul	767598	4	17.45	1205620	20.0
9H-Fluorene, 9-me...	16.90	9.4	ng/ul	567156	4	17.45	1205620	20.0
1,1'-Biphenyl, 2,...	16.96	11.3	ng/ul	679166	4	17.45	1205620	20.0
9H-Fluoren-9-one	17.10	13.1	ng/ul	787940	4	17.45	1205620	20.0
3,3'-Dimethylbiph...	17.20	13.7	ng/ul	826529	4	17.45	1205620	20.0
Naphtho[1,2-b]thi...	17.27	24.4	ng/ul	1468740	4	17.45	1205620	20.0
9H-Fluorene, 2,3-...	17.64	11.1	ng/ul	669111	4	17.45	1205620	20.0
Anthracene, 9-eth...	17.97	10.4	ng/ul	624687	4	17.45	1205620	20.0
Dibenzothiophene,...	18.04	34.2	ng/ul	2061370	4	17.45	1205620	20.0
4-Methylnaphtho[1...	18.18	21.5	ng/ul	1295010	4	17.45	1205620	20.0
Phenanthrene, 1-m...	18.33	100.5	ng/ul	6058450	4	17.45	1205620	20.0
Phenanthrene, 2-m...	18.46	39.8	ng/ul	2400980	4	17.45	1205620	20.0
4H-Cyclopenta[def...	18.53	137.8	ng/ul	8307970	4	17.45	1205620	20.0
1H-Indene, 2-phenyl-	18.56	61.6	ng/ul	3715430	4	17.45	1205620	20.0
2,6-Dimethyldiben...	18.73	15.8	ng/ul	954494	4	17.45	1205620	20.0
1,2,4,8-Tetrameth...	18.83	46.4	ng/ul	2796400	4	17.45	1205620	20.0
9,10-Anthracenedione	18.88	48.3	ng/ul	2909830	4	17.45	1205620	20.0
Anthracene, 2-ethyl-	18.95	18.7	ng/ul	1128590	4	17.45	1205620	20.0
Phenanthrene, 3,6...	19.12	19.2	ng/ul	1158800	4	17.45	1205620	20.0
Naphthalene, 1,2-...	19.16	24.1	ng/ul	1452600	4	17.45	1205620	20.0