LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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	3.155	7	11	33	rVB	1685664	3017800	42.60%	3.642%
2	3.425	53	57	64	rVB3	9981	18821	0.27%	0.023%
3	3.954	142	147	156	rBV	53184	84849	1.20%	0.102%
4	4.089	165	170	174	rBV4	12531	19789	0.28%	0.024%
5	4.183	179	186	194	rVB3	13108	23260	0.33%	0.028%
6	4.741	276	281	288	rVB2	22978	35879	0.51%	0.043%
7	5.200	352	359	365	rBV	14989	29725	0.42%	0.036%
8	7.185	688	697	712	rBV	206456	419920	5.93%	0.507%
9	7.350	719	725	736	rBV	149088	264682	3.74%	0.319%
10	7.561	754	761	770	rBV	223095	385424	5.44%	0.465%
11	8.037	835	842	849	rBV	301847	508184	7.17%	0.613%
12	8.543	922	928	936	rBV2	31391	53946	0.76%	0.065%
13	8.742	952	962	973	rBV	208919	384657	5.43%	0.464%
14	8.866	976	983	992	rVV	60371	115349	1.63%	0.139%
15	9.201	1032	1040	1051	rBV	209036	378737	5.35%	0.457%
16	9.929	1157	1164	1172	rBV	179604	324933	4.59%	0.392%
17	10.288	1220	1225	1232	rVB2	10350	18153	0.26%	0.022%
18	10.476	1249	1257	1269	rBV	295376	545717	7.70%	0.659%
19	10.863	1315	1323	1329	rBV	408103	749304	10.58%	0.904%
20	10.993	1337	1345	1356	rBV	98532	202942	2.86%	0.245%
21	12.520	1600	1605	1611	rVB	11353	18594	0.26%	0.022%
22	12.738	1636	1642	1649	rVB2	11199	18364	0.26%	0.022%
23	13.525	1770	1776	1782	rBV4	10507	15564	0.22%	0.019%
24	13.860	1827	1833	1834	rBV3	10134	16931	0.24%	0.020%
25	14.019	1854	1860	1865	rBV2	20130	37660	0.53%	0.045%
26	14.095	1865	1873	1877	rVV	534392	825505	11.65%	0.996%
27	14.142	1877	1881	1892	rVB	216718	327019	4.62%	0.395%
28	14.389	1915	1923	1933	rBV	631330	1044058	14.74%	1.260%
29	14.694	1966	1975	1981	rBV	673277	1074476	15.17%	1.297%
30	14.759	1981	1986	1993	rVB	289317	451619	6.38%	0.545%
31	14.876	2000	2006	2015	rBV2	103440	212200	3.00%	0.256%
32	15.006	2022	2028	2037	rBV	44139	82321	1.16%	0.099%
33	15.094	2038	2043	2050	rVV2	76539	137200	1.94%	0.166%
34	15.170	2053	2056	2061	rVV2	13403	20504	0.29%	0.025%

LSC Area Percent Report

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Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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

35	15.364	2086	2089	2095	rVB4	11804	16715	0.24%	0.020%
36	15.487	2104	2110	2115	rBV8	13648	30720	0.43%	0.037%
37	15.687	2135	2144	2150	rBV	848663	1318116	18.61%	1.591%
38	15.746	2150	2154	2160	rVV	188266	280795	3.96%	0.339%
39	15.805	2160	2164	2167	rVV2	47731	76572	1.08%	0.092%
40	15.840	2167	2170	2172	rVV2	34670	48442	0.68%	0.058%
41	15.869	2172	2175	2178	rVV	53954	78990	1.12%	0.095%
42	15.905	2178	2181	2186	rVV3	53987	102746	1.45%	0.124%
43	15.952	2187	2189	2193	rVV3	32704	49694	0.70%	0.060%
44	15.999	2193	2197	2200	rVV2	33551	58176	0.82%	0.070%
45	16.040	2200	2204	2212	rVB	49346	92290	1.30%	0.111%
46	16.187	2224	2229	2236	rBV2	45606	99309	1.40%	0.120%
47	16.345	2252	2256	2259	rBV5	12710	21984	0.31%	0.027%
48	16.416	2259	2268	2276	rVV6	47474	125502	1.77%	0.151%
49	16.751	2314	2325	2330	rBV3	62675	155047	2.19%	0.187%
50	16.798	2330	2333	2339	rVV3	29001	52070	0.74%	0.063%
51	16.956	2357	2360	2362	rBV	22854	32544	0.46%	0.039%
52	17.021	2368	2371	2375	rVB3	33261	41023	0.58%	0.050%
53	17.097	2380	2384	2390	rVB4	42653	70026	0.99%	0.085%
54	17.203	2393	2402	2408	rBV3	99361	237080	3.35%	0.286%
55	17.262	2408	2412	2421	rVB	108953	175630	2.48%	0.212%
56	17.450	2438	2444	2447	rBV2	757155	1190072	16.80%	1.436%
57	17.491	2447	2451	2456	rVV	1775174	2651331	37.43%	3.200%
58	17.550	2456	2461	2464	rVV	853828	1384629	19.55%	1.671%
59	17.585	2464	2467	2472	rVV	538814	729511	10.30%	0.880%
60	17.638	2472	2476	2482	rVB2	62358	109733	1.55%	0.132%
61	17.844	2507	2511	2517	rVB	83166	124162	1.75%	0.150%
62	18.331	2589	2594	2598	rBV	314928	576629	8.14%	0.696%
63	18.372	2598	2601	2609	rVB	397005	590671	8.34%	0.713%
64	18.455	2610	2615	2620	rBV	190054	298790	4.22%	0.361%
65	18.525	2621	2627	2631	rBV2	592662	1053503	14.87%	1.271%
66	18.819	2673	2677	2681	rBV	221654	323284	4.56%	0.390%
67	18.860	2681	2684	2689	rVB2	78761	115924	1.64%	0.140%
68	19.071	2717	2720	2724	rVB2	74919	85253	1.20%	0.103%
69	19.236	2744	2748	2753	rBV	155981	292209	4.12%	0.353%
70	19.377	2769	2772	2781	rVB3	144913	253943	3.58%	0.306%
71	19.506	2788	2794	2800	rBV	4181592	6486996	91.57%	7.828%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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

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Peak separation: 5

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

72	19.600	2807	2810	2814	rBV2	104993	146748	2.07%	0.177%
73	19.741	2832	2834	2838	rVB	127536	167462	2.36%	0.202%
74	19.841	2845	2851	2853	rBV4	2105976	3725299	52.59%	4.496%
75	19.871	2853	2856	2863	rVV	3831142	5435827	76.73%	6.560%
76	19.935	2863	2867	2873	rVB2	229867	379560	5.36%	0.458%
77	20.041	2881	2885	2890	rVB	292786	401201	5.66%	0.484%
78	20.100	2892	2895	2901	rVB	210758	298073	4.21%	0.360%
79	20.188	2904	2910	2916	rBV3	322912	838510	11.84%	1.012%
80	20.358	2934	2939	2944	rVB	1223052	1806414	25.50%	2.180%
81	20.458	2951	2956	2960	rBV	1243676	1715490	24.22%	2.070%
82	20.517	2961	2966	2969	rVV2	487402	875142	12.35%	1.056%
83	20.552	2969	2972	2976	rVB	413766	494667	6.98%	0.597%
84	20.652	2986	2989	2993	rBV	215995	294521	4.16%	0.355%
85	20.699	2994	2997	3001	rVB2	267096	340893	4.81%	0.411%
86	21.075	3058	3061	3066	rBV3	187554	351806	4.97%	0.425%
87	21.310	3097	3101	3104	rBV	412202	566646	8.00%	0.684%
88	21.351	3105	3108	3113	rVV	380298	664140	9.38%	0.801%
89	21.404	3114	3117	3122	rVB2	443522	688638	9.72%	0.831%
90	21.721	3165	3171	3178	rBV3	3179304	7083911	100.00%	8.549%
91	21.786	3178	3182	3193	rVB	2711239	4994366	70.50%	6.027%
92	21.939	3203	3208	3214	rBV	734127	1264253	17.85%	1.526%
93	22.144	3238	3243	3252	rVB	467707	917180	12.95%	1.107%
94	22.479	3297	3300	3305	rVB	540160	834431	11.78%	1.007%
95	22.802	3352	3355	3363	rVB3	501092	956124	13.50%	1.154%
96	23.989	3547	3557	3564	rBV	1932625	6870735	96.99%	8.291%
97	24.242	3595	3600	3609	rVB	440247	989052	13.96%	1.194%
98	24.724	3674	3682	3689	rBV	961169	2677576	37.80%	3.231%
99	24.876	3700	3708	3721	rVB	1786182	5225528	73.77%	6.306%
100	25.023	3728	3733	3738	rVB2	288036	568102	8.02%	0.686%

Sum of corrected areas: 82866492

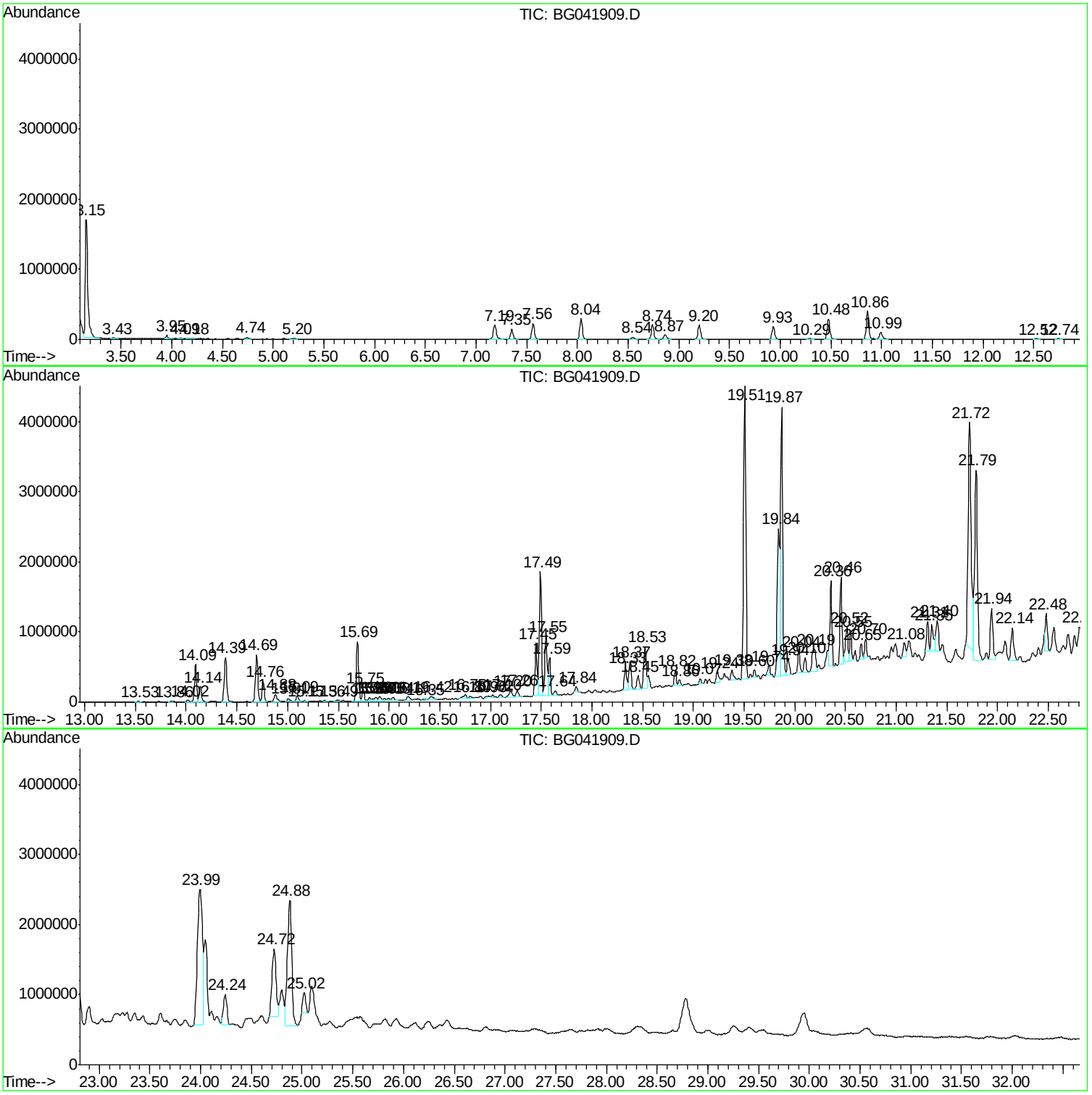
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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 : BG041909.D
Acq On : 3 Aug 2019 14:38
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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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

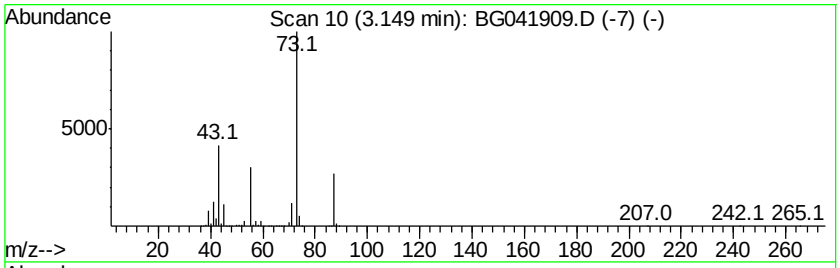
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

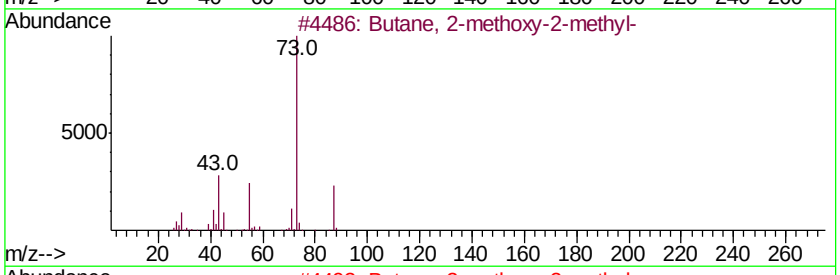
****

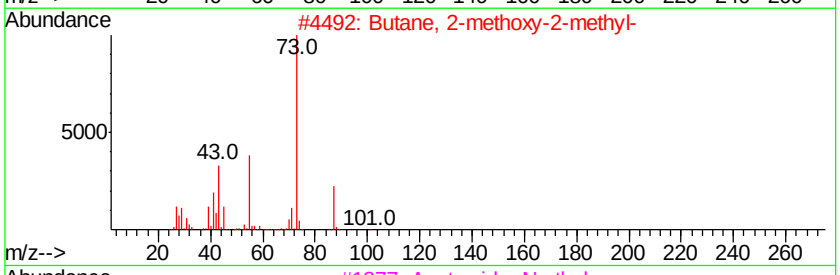
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

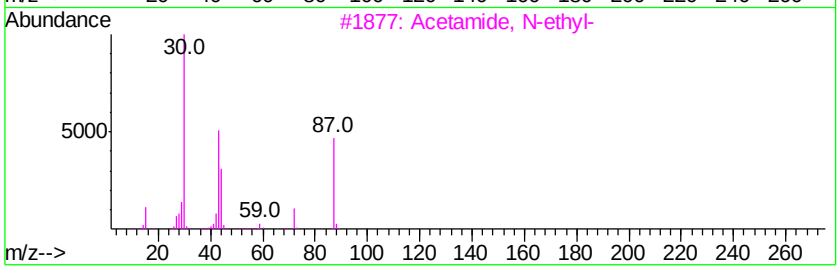
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	118.77 ng/ul	3017800	1,4-Dichlorobenzene-d4	8.04

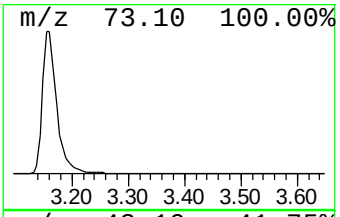
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	33
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12

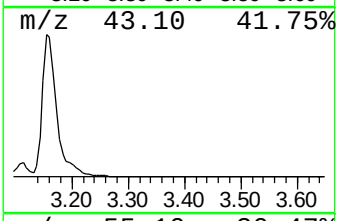


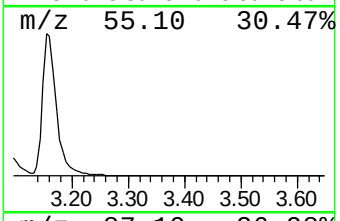


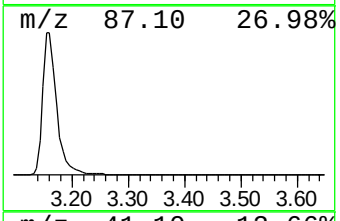


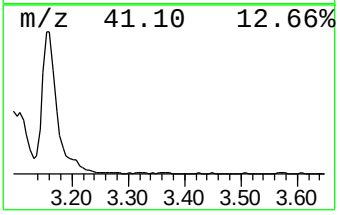












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
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Instrument : BNA_G
ClientSampleId : BENS0

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

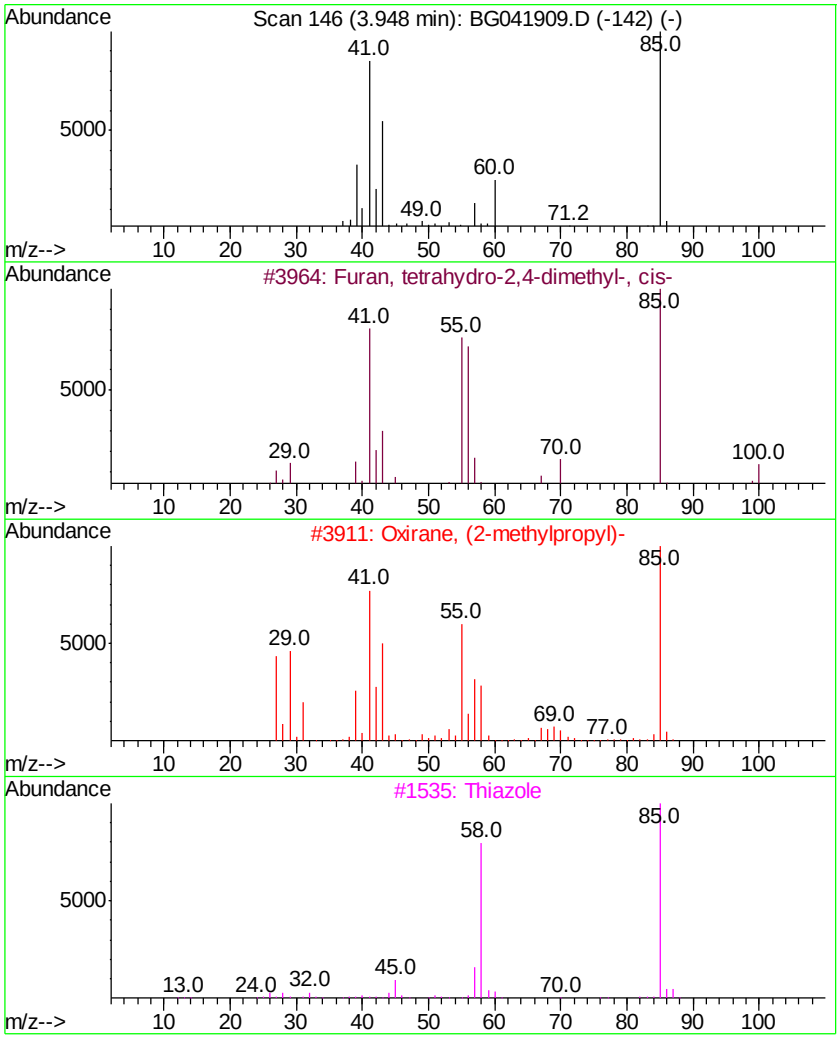
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

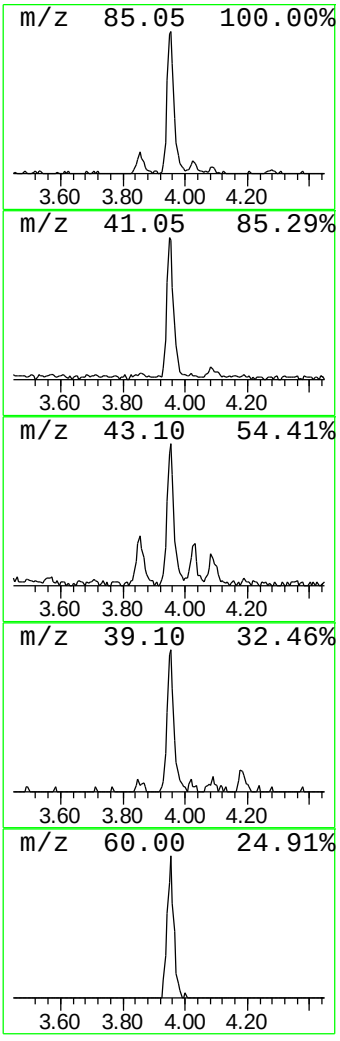
****

Peak Number 2 Furan, tetrahydro-2,4-dimet... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.95	3.34 ng/ul	84849	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	50
2	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	50
3	Thiazole	85	C3H3NS	000288-47-1	43
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
5	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	40





Library Search Compound Report

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Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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

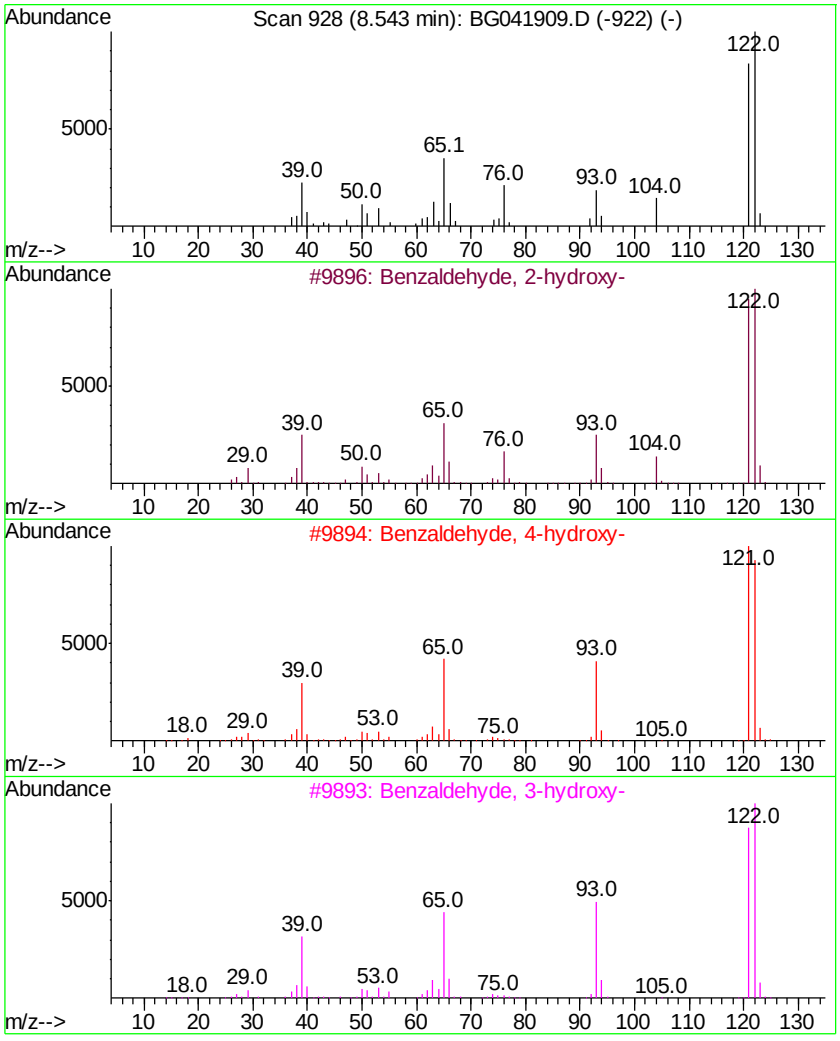
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

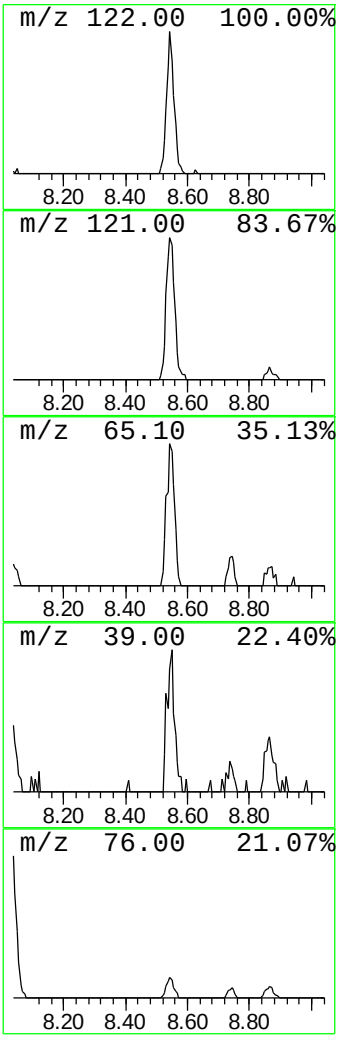
****

Peak Number 3 Benzaldehyde, 2-hydroxy- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	2.12 ng/ul	53946	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-hydroxy-	122	C7H6O2	000090-02-8	94
2	Benzaldehyde, 4-hydroxy-	122	C7H6O2	000123-08-0	87
3	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	87
4	Benzaldehyde, 2-hydroxy-	122	C7H6O2	000090-02-8	87
5	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	81





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Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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

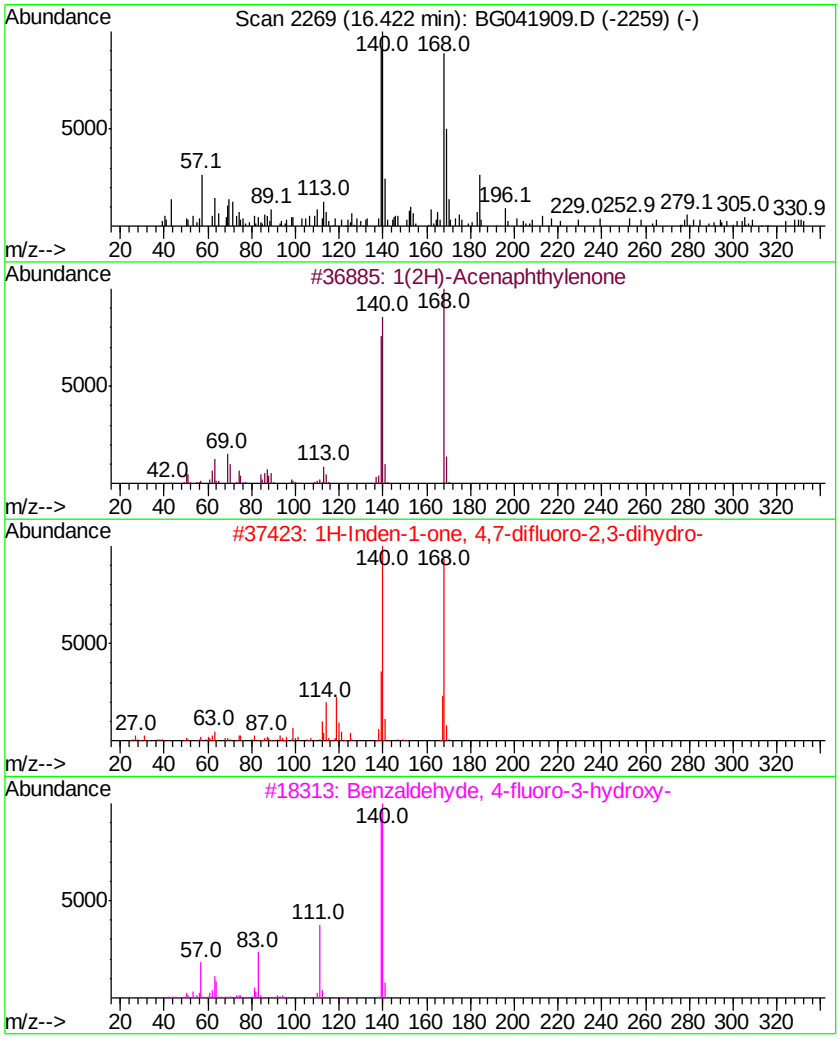
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

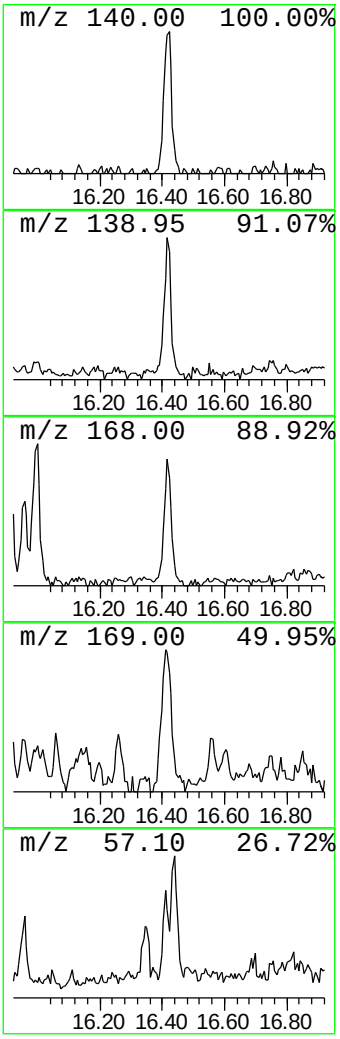
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	2.11 ng/ul	125502	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	62
2	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	43
3	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	38
4	1-Naphthalenecarbonitrile, 4-amino-	168	C11H8N2	058728-64-6	38
5	Benzene, 2,4-pentadiynyl-	140	C11H8	041268-41-1	38





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Sample : K3850-13
Misc :
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ClientSampleId : BENS0

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Quant Title : SVOA CALIBRATION

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

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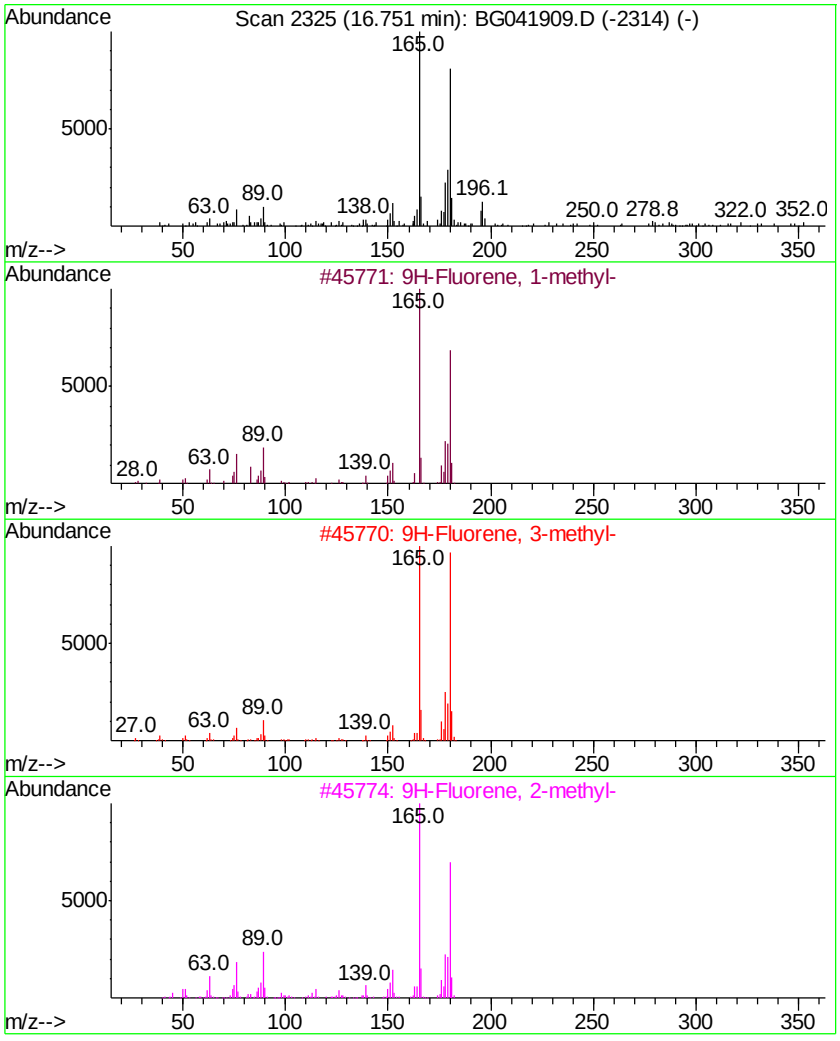
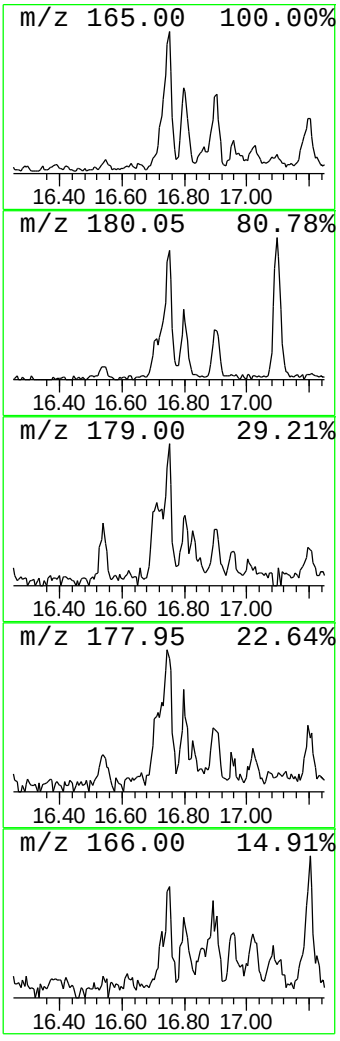
Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	2.61 ng/ul	155047	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90





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Quant Title : SVOA CALIBRATION

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

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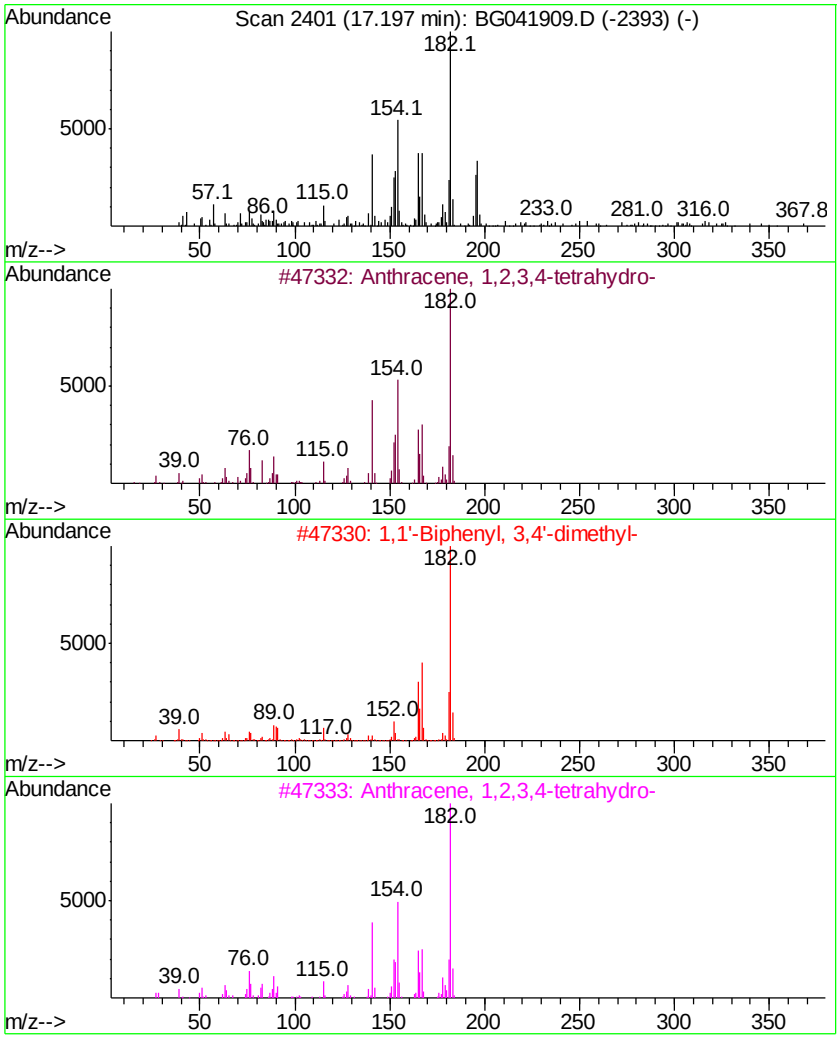
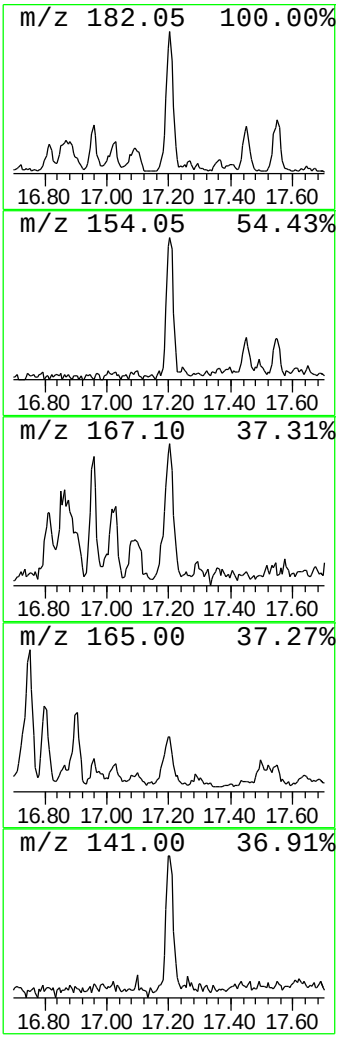
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.98 ng/ul	237080	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	87
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	81
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	78
5	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	62





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Quant Title : SVOA CALIBRATION

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

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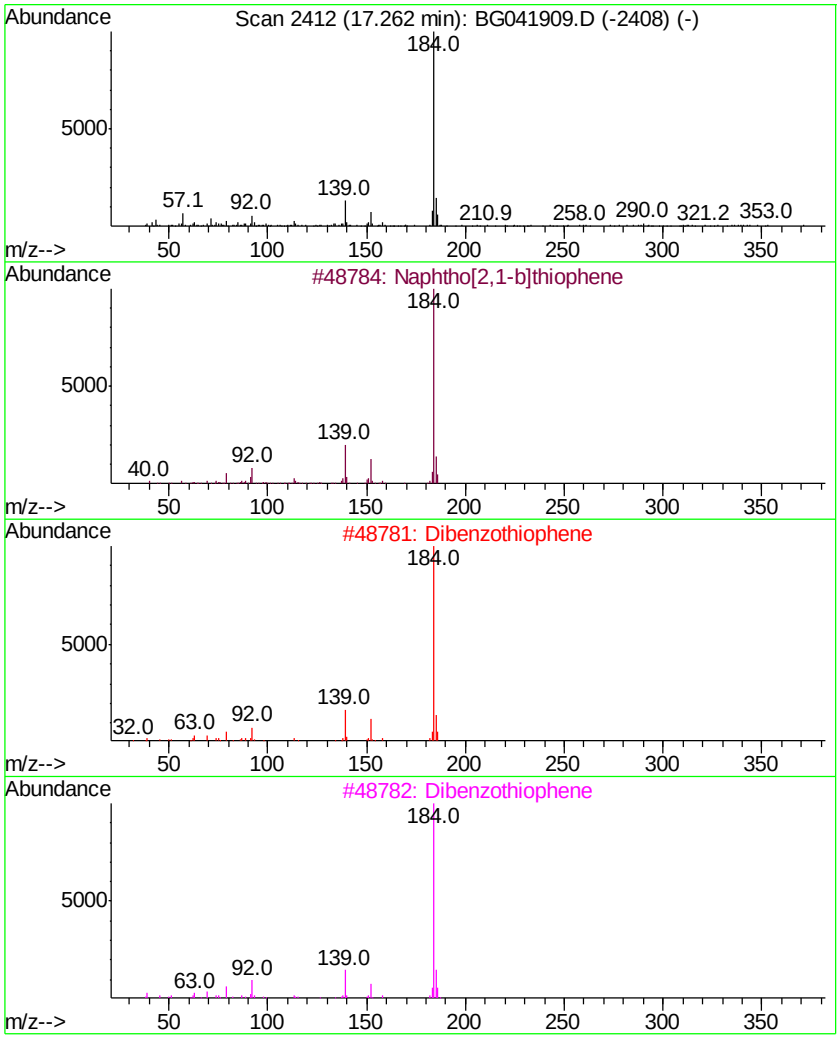
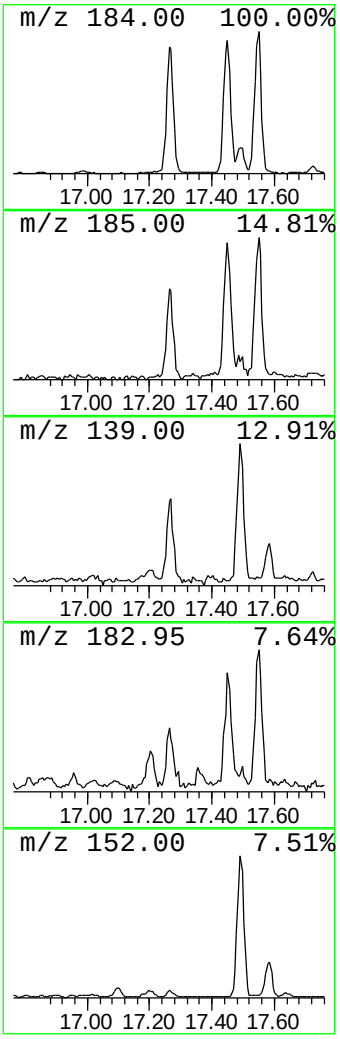
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.95 ng/ul	175630	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93





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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 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	9.69 ng/ul	576629	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
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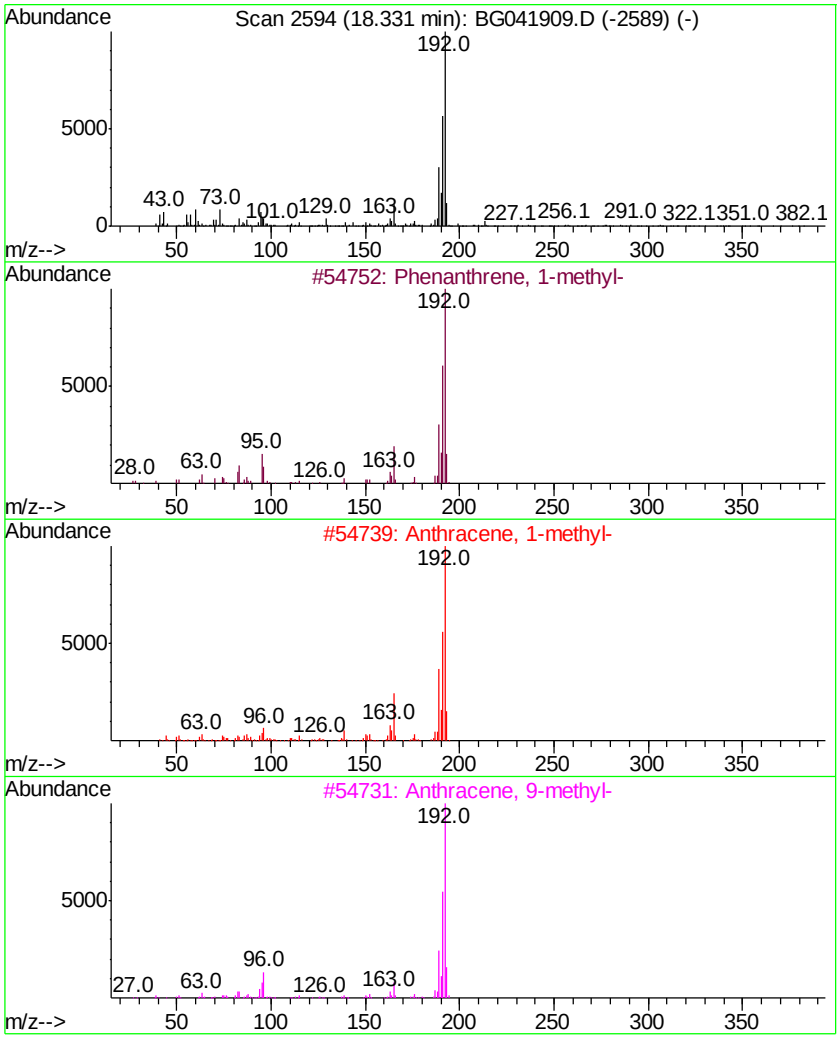

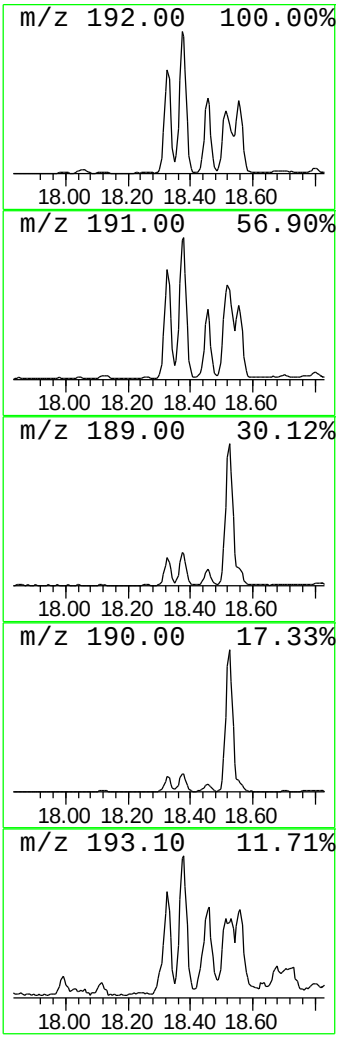

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Quant Title : SVOA CALIBRATION

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

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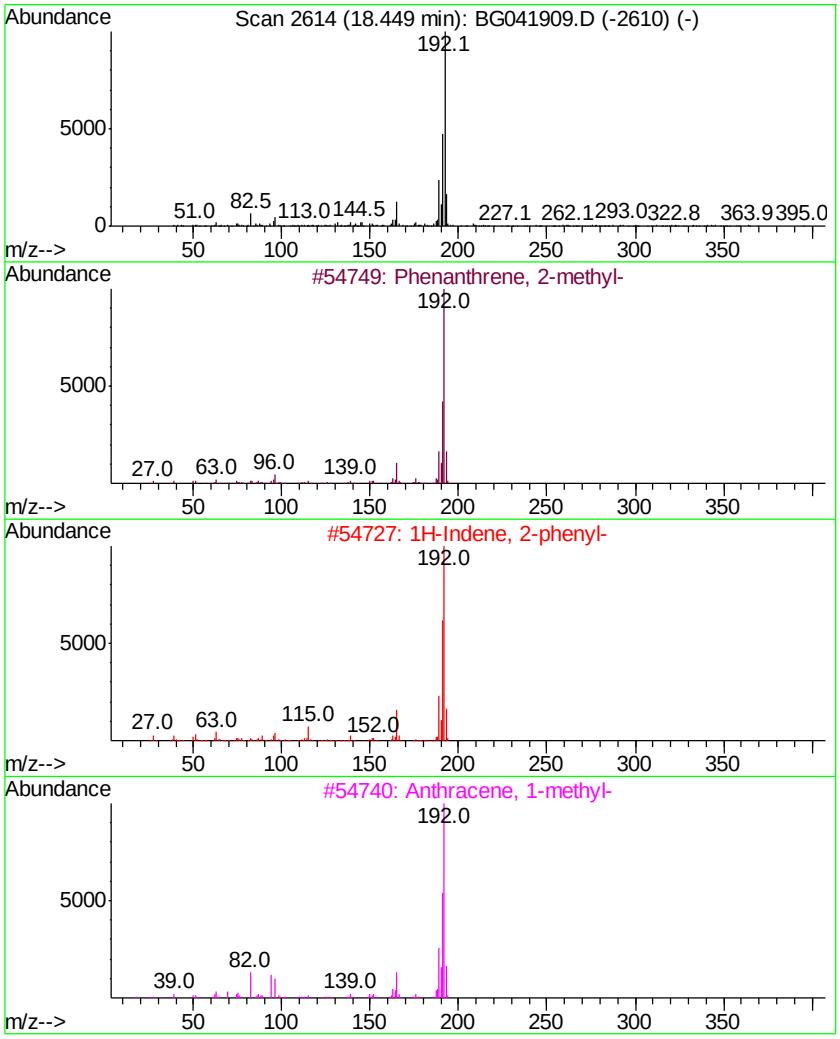
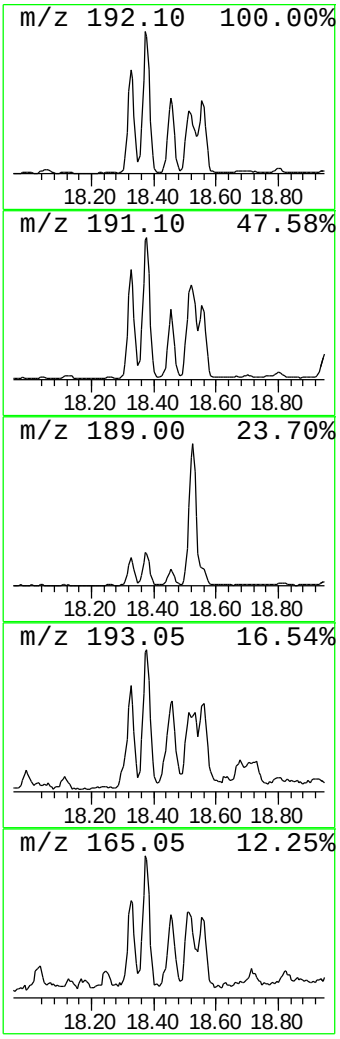
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	5.02 ng/ul	298790	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Quant Title : SVOA CALIBRATION

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

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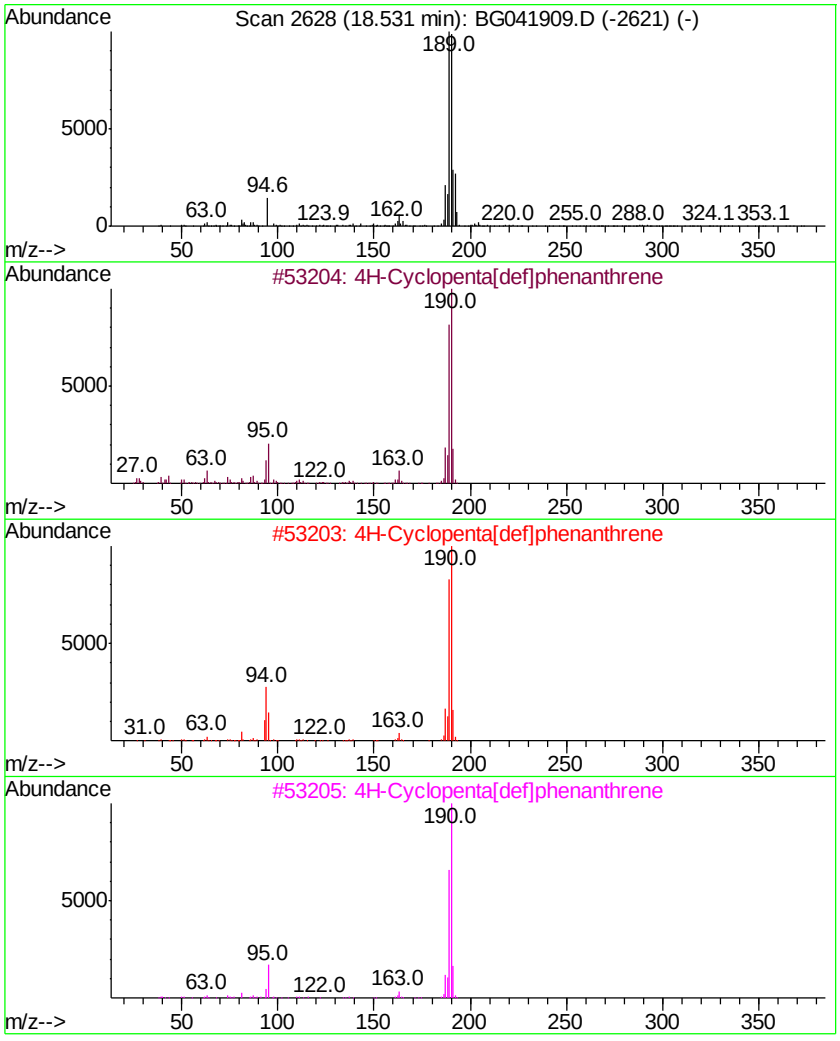
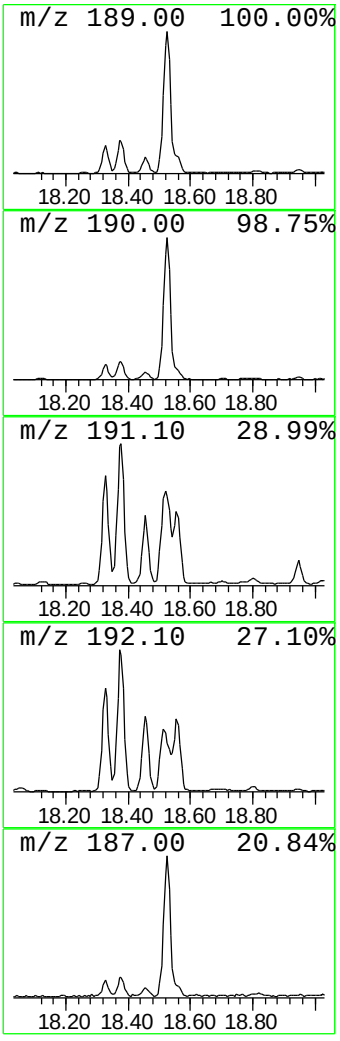
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	17.70 ng/ul	1053500	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Instrument : BNA_G
ClientSampleId : BENS0

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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 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	5.43 ng/ul	323284	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
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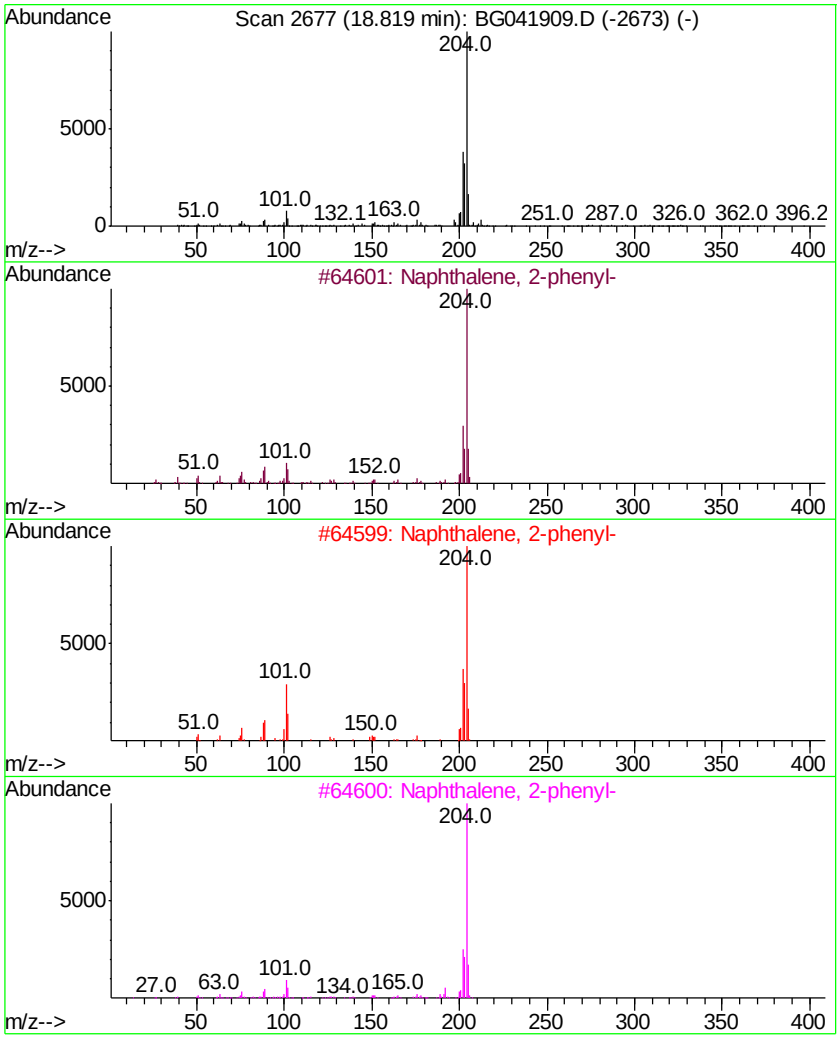

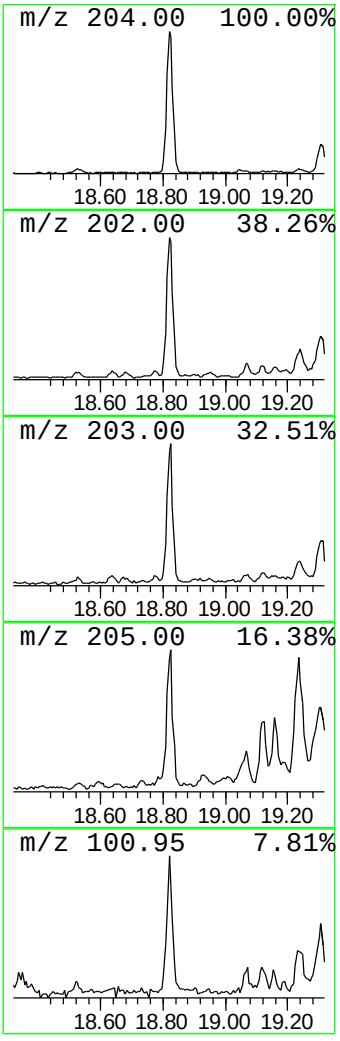

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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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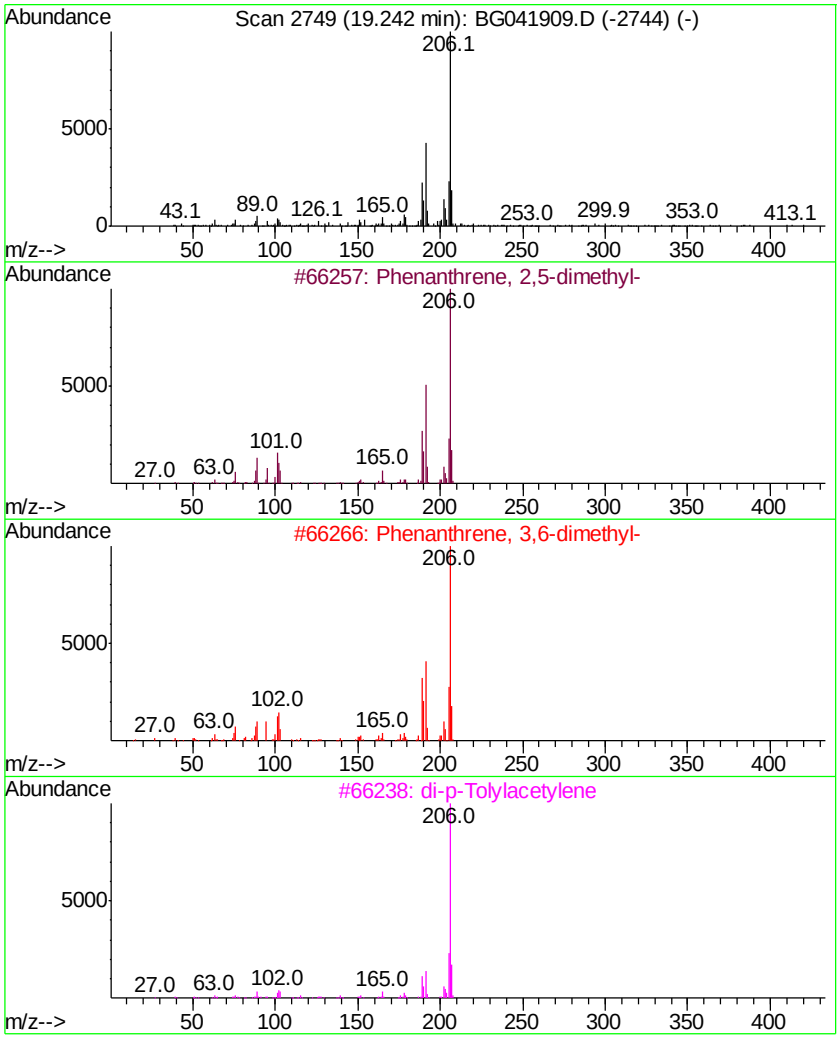
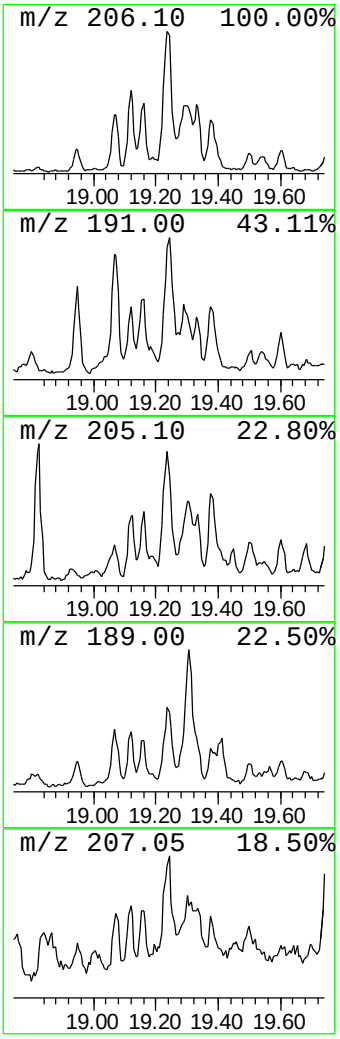
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	4.91 ng/ul	292209	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90





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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 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	4.27 ng/ul	253943	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	50
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
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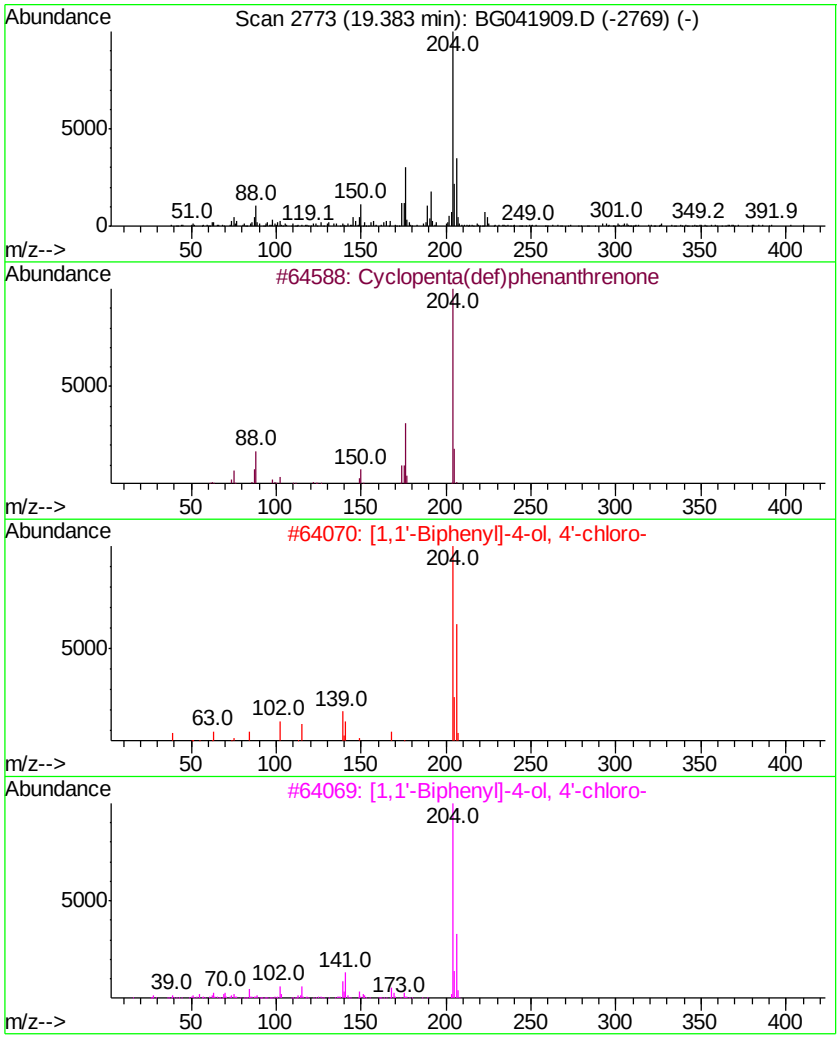

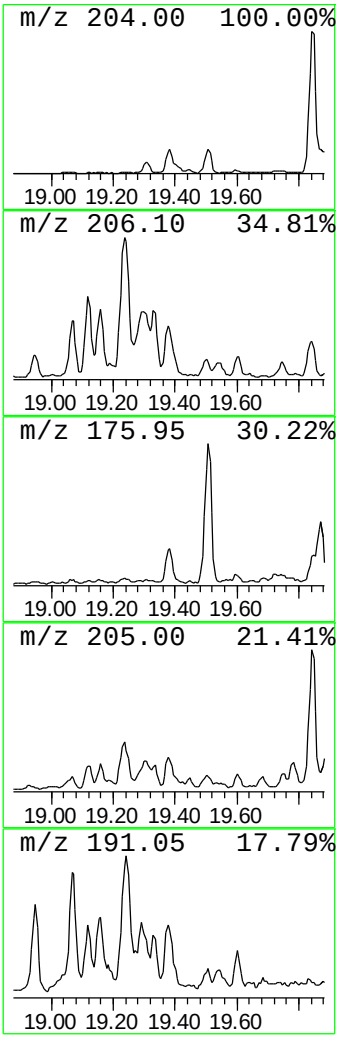

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Quant Title : SVOA CALIBRATION

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

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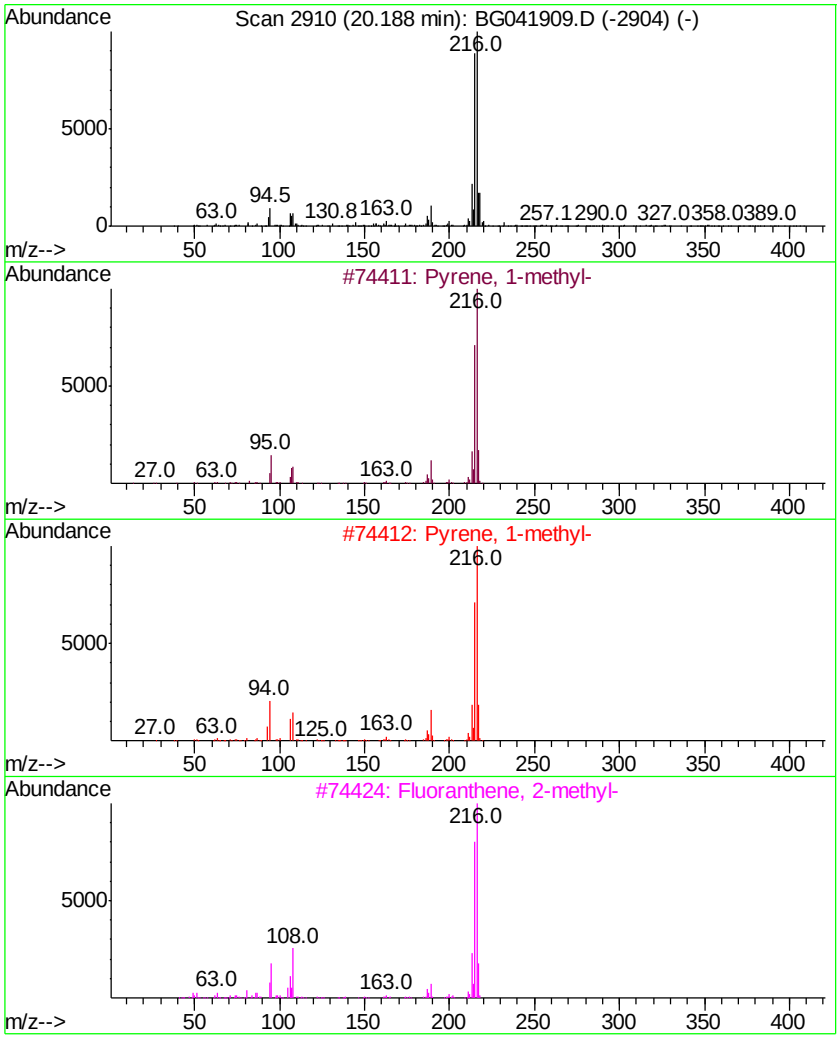
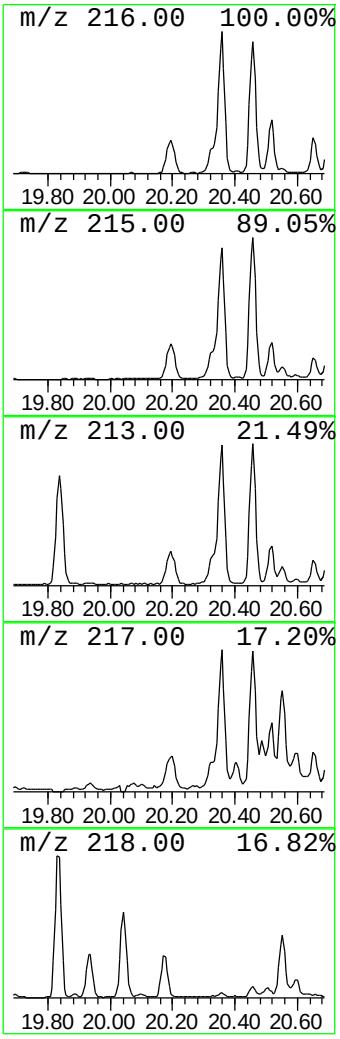
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	2.37 ng/ul	838510	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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

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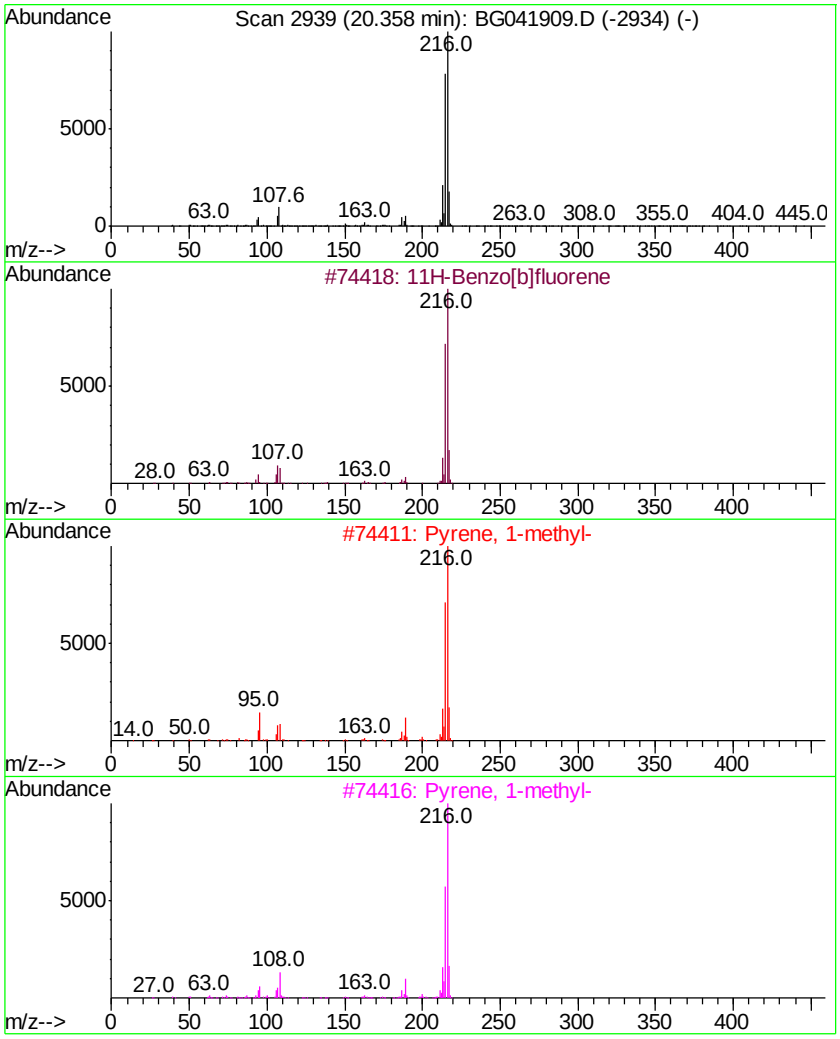
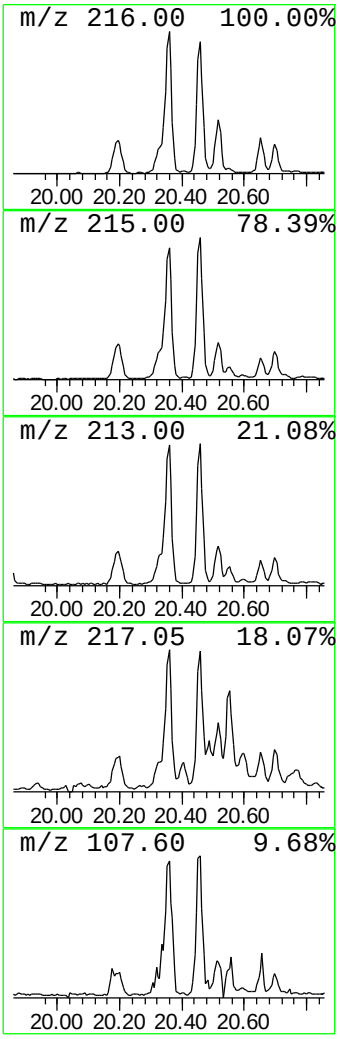
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	5.10 ng/ul	1806410	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Instrument : BNA_G
ClientSampleId : BENS0

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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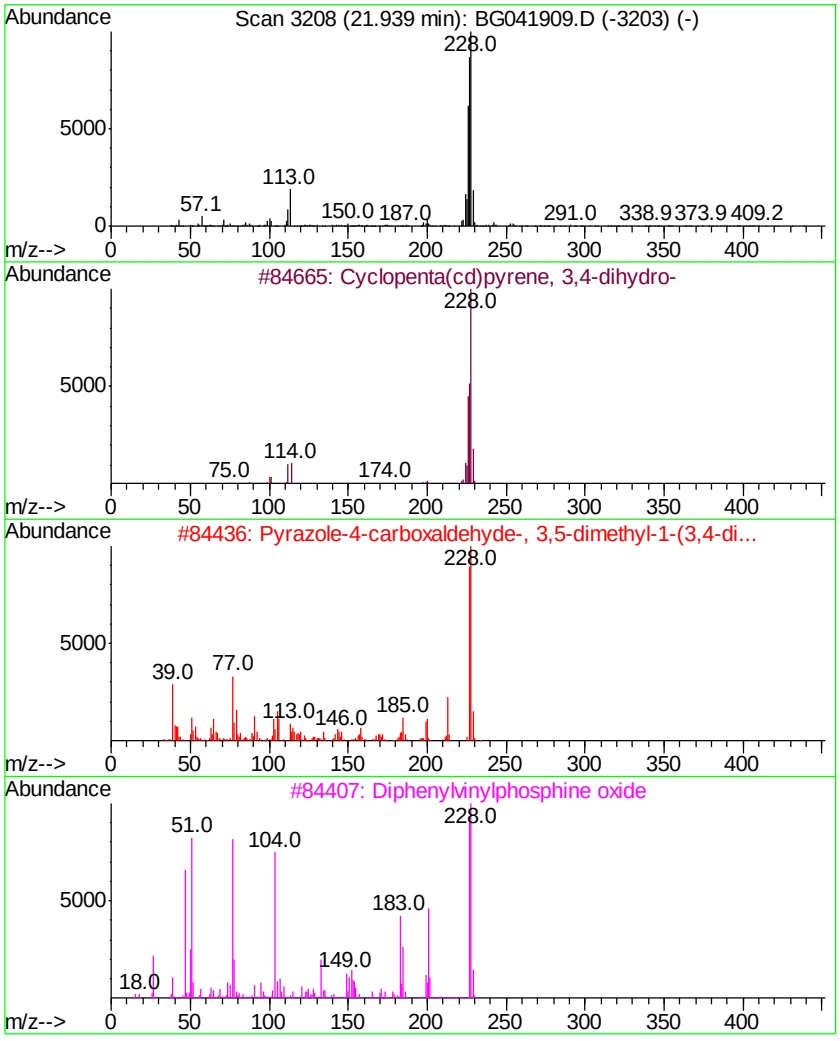
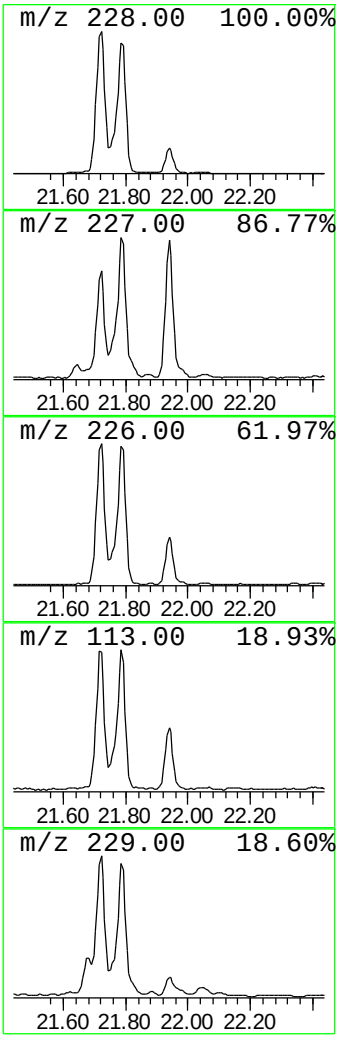
Peak Number 19 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	3.57 ng/ul	1264250	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	53
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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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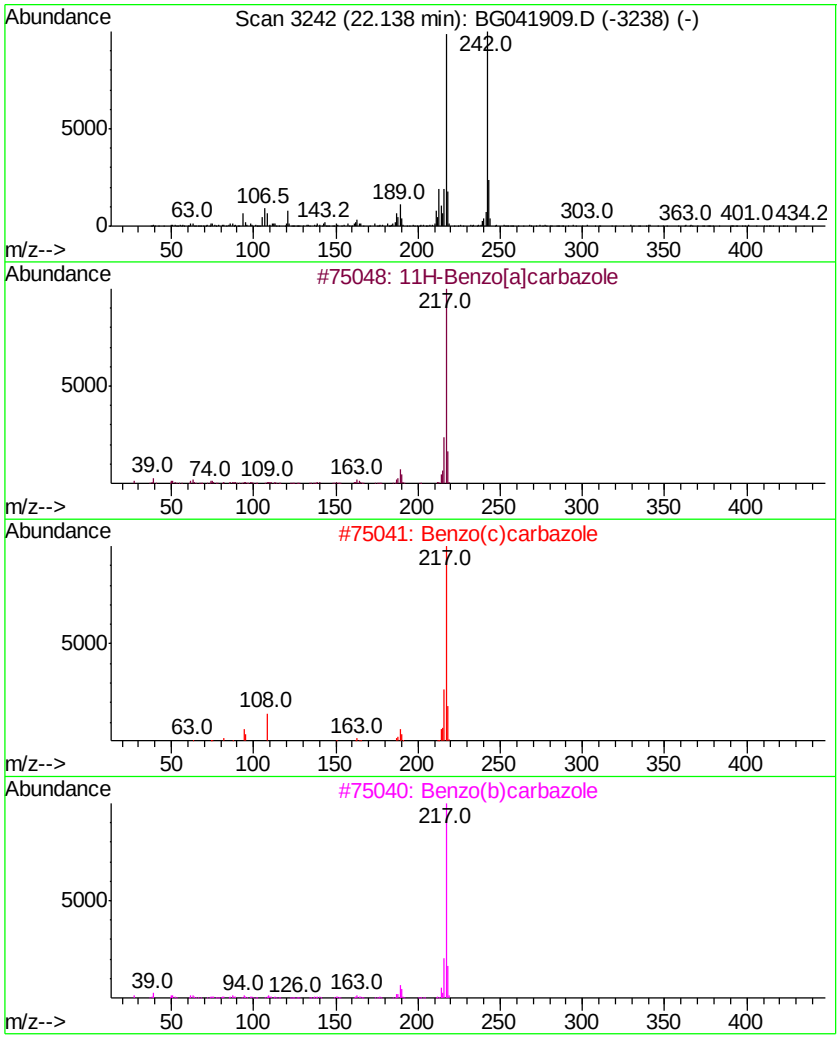
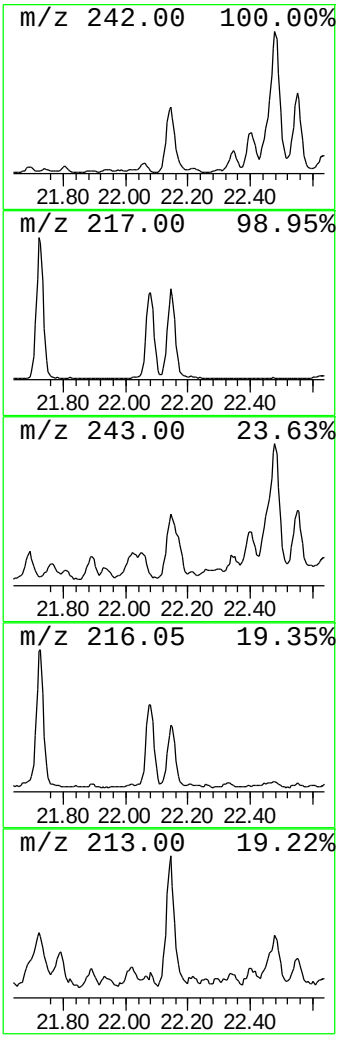
Peak Number 20 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.14	2.59 ng/ul	917180	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	46
2	Benzo(c)carbazole	217	C16H11N	034777-33-8	46
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	46
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	46
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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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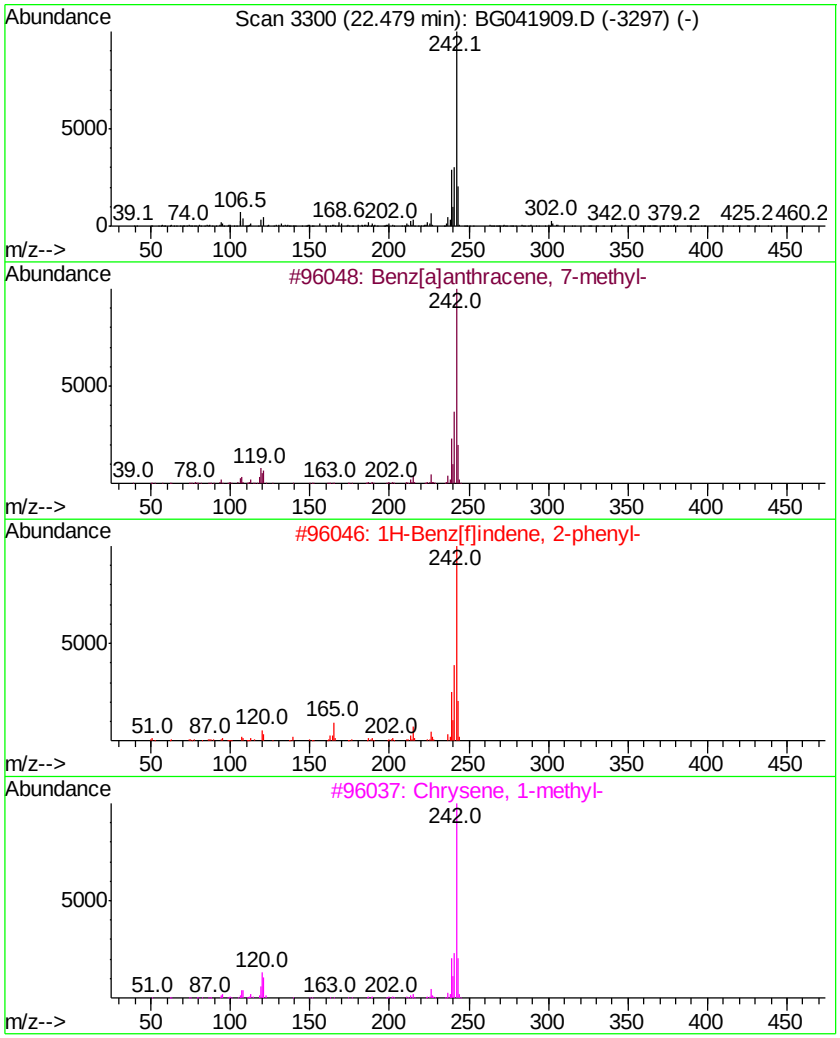
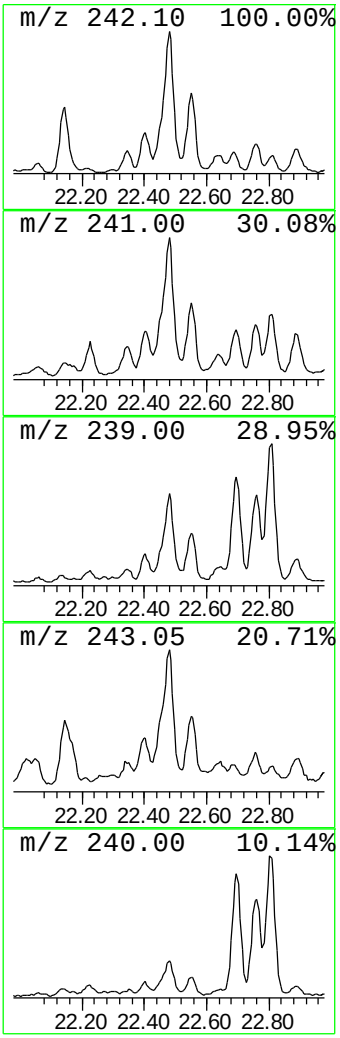
Peak Number 21 Benz[a]anthracene, 7-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	2.36 ng/ul	834431	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	81
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	81
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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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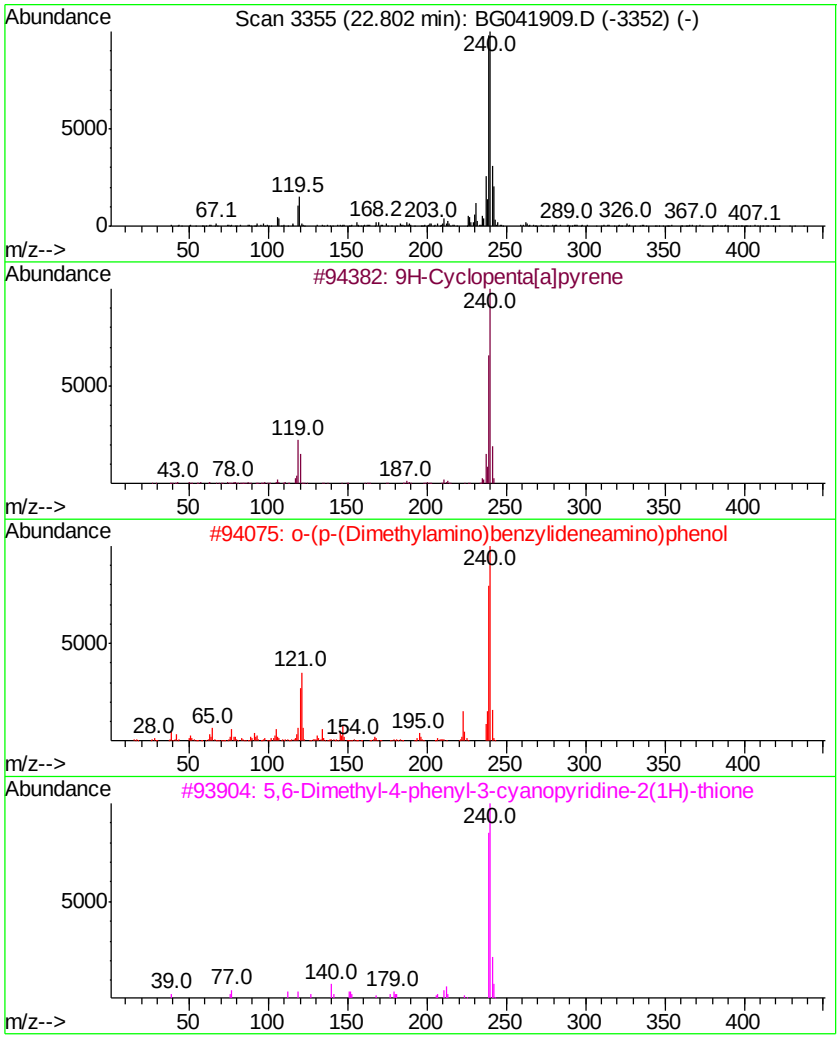
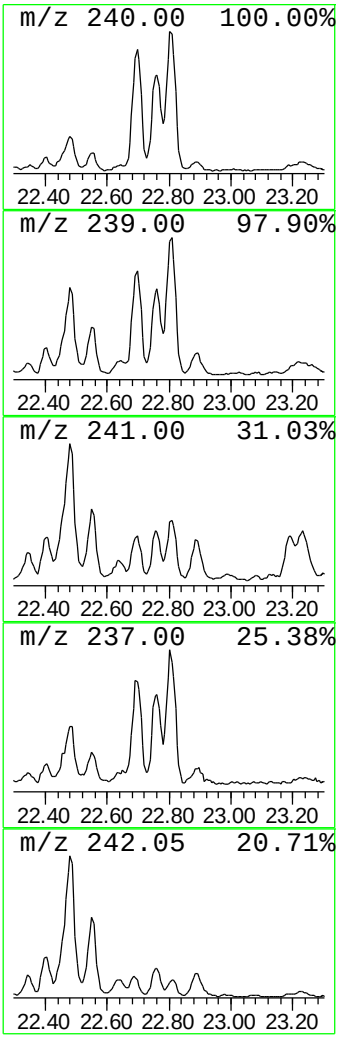
Peak Number 22 9H-Cyclopenta[a]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.80	2.70 ng/ul	956124	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	87
2	o-(p-(Dimethylamino)benzylidenea...	240	C15H16N2O	023837-35-6	58
3	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	53
4	9-Amino-10,10-dimethyl-9,10-dihy...	240	C14H16N2Si	092973-65-4	50
5	Benzene, 1-thiobenzoyl-2,4,6-tri...	240	C16H16S	001143-29-9	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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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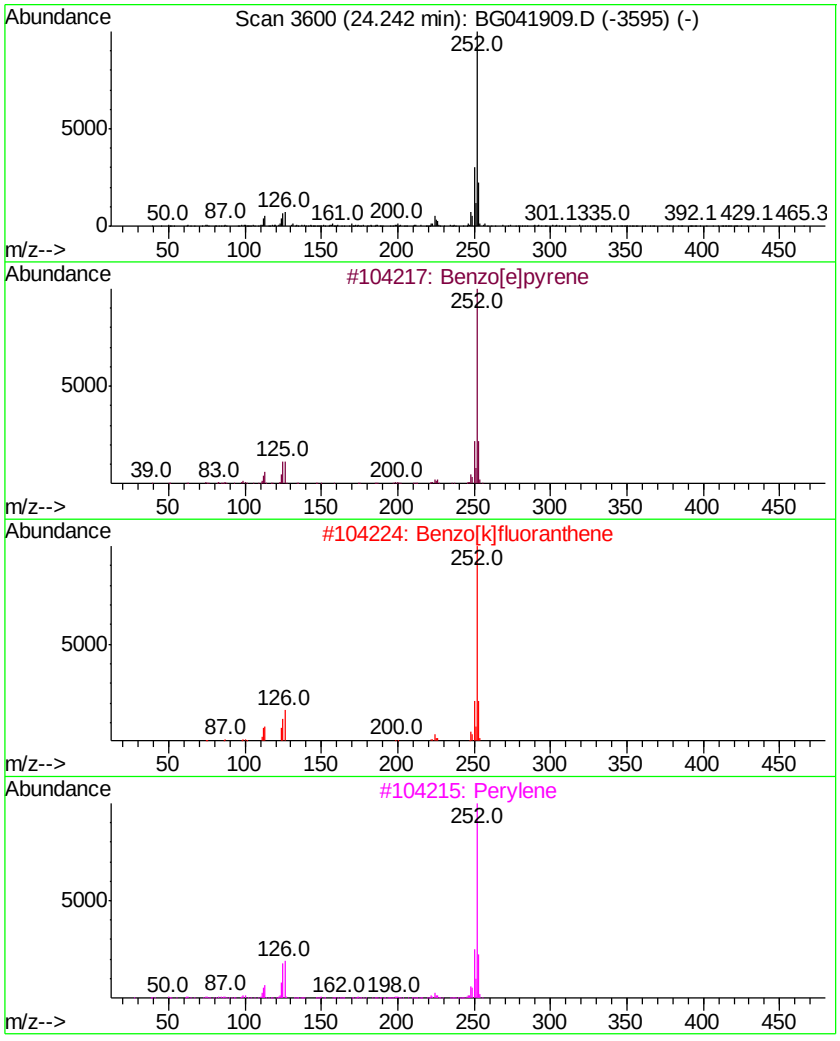
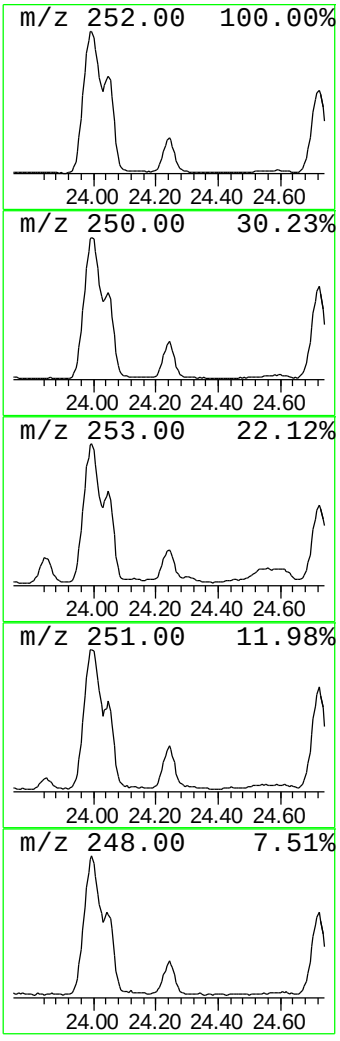
Peak Number 23 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.24	34.82 ng/ul	989052	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Perylene	252	C20H12	000198-55-0	81
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENS0

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	118.8	ng/ul	3017800	1	8.04	508184	20.0
Furan, tetrahydro...	3.95	3.3	ng/ul	84849	1	8.04	508184	20.0
Benzaldehyde, 2-h...	8.54	2.1	ng/ul	53946	1	8.04	508184	20.0
1(2H)-Acenaphthyl...	16.42	2.1	ng/ul	125502	4	17.45	1190070	20.0
9H-Fluorene, 1-me...	16.75	2.6	ng/ul	155047	4	17.45	1190070	20.0
Anthracene, 1,2,3...	17.20	4.0	ng/ul	237080	4	17.45	1190070	20.0
Naphtho[2,1-b]thi...	17.26	3.0	ng/ul	175630	4	17.45	1190070	20.0
Phenanthrene, 1-m...	18.33	9.7	ng/ul	576629	4	17.45	1190070	20.0
Phenanthrene, 2-m...	18.45	5.0	ng/ul	298790	4	17.45	1190070	20.0
4H-Cyclopenta[def...	18.53	17.7	ng/ul	1053500	4	17.45	1190070	20.0
Naphthalene, 2-ph...	18.82	5.4	ng/ul	323284	4	17.45	1190070	20.0
Phenanthrene, 2,5...	19.24	4.9	ng/ul	292209	4	17.45	1190070	20.0
Cyclopenta(def)ph...	19.38	4.3	ng/ul	253943	4	17.45	1190070	20.0
Pyrene, 1-methyl-	20.19	2.4	ng/ul	838510	5	21.74	7083910	20.0
11H-Benzo[b]fluorene	20.36	5.1	ng/ul	1806410	5	21.74	7083910	20.0
Cyclopenta(cd)pyr...	21.94	3.6	ng/ul	1264250	5	21.74	7083910	20.0
unknown-01	22.14	2.6	ng/ul	917180	5	21.74	7083910	20.0
Benz[a]anthracene...	22.48	2.4	ng/ul	834431	5	21.74	7083910	20.0
9H-Cyclopenta[a]p...	22.80	2.7	ng/ul	956124	5	21.74	7083910	20.0
Benzo[e]pyrene	24.24	34.8	ng/ul	989052	6	25.02	568102	20.0