LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	2.903	7	11	28	rVB6	49410	138358	2.56%	0.216%
2	3.279	70	75	86	rVV	78747	129023	2.38%	0.202%
3	3.373	86	91	100	rVB4	39610	79091	1.46%	0.124%
4	3.596	124	129	137	rBV4	33109	56516	1.04%	0.088%
5	4.036	198	204	214	rVB6	18797	47157	0.87%	0.074%
6	4.136	214	221	228	rVB	79048	133609	2.47%	0.209%
7	4.213	228	234	238	rBV5	16726	35064	0.65%	0.055%
8	4.377	255	262	267	rVB5	11015	28785	0.53%	0.045%
9	4.935	351	357	362	rVB7	12372	22201	0.41%	0.035%
10	5.306	417	420	427	rVB3	15041	25178	0.47%	0.039%
11	5.400	430	436	441	rBV6	20007	38161	0.71%	0.060%
12	7.227	745	747	756	rVB10	12288	22730	0.42%	0.036%
13	7.397	767	776	790	rBV2	508998	1125185	20.79%	1.760%
14	7.562	796	804	814	rVV	360820	632940	11.70%	0.990%
15	7.773	829	840	853	rBV	488509	922149	17.04%	1.443%
16	8.249	911	921	930	rBV	528702	961375	17.77%	1.504%
17	8.555	967	973	976	rVB6	7456	15278	0.28%	0.024%
18	8.954	1031	1041	1052	rBV2	617978	1186586	21.93%	1.857%
19	9.072	1058	1061	1068	rVV7	8409	16226	0.30%	0.025%
20	9.424	1112	1121	1131	rVV	535790	999669	18.47%	1.564%
21	10.153	1237	1245	1256	rBV2	494866	941401	17.40%	1.473%
22	10.353	1273	1279	1286	rBV10	9186	21646	0.40%	0.034%
23	10.693	1330	1337	1353	rVB	673328	1285166	23.75%	2.011%
24	10.829	1353	1360	1366	rBV8	9986	26397	0.49%	0.041%
25	11.075	1394	1402	1415	rBV	744660	1395382	25.79%	2.183%
26	11.210	1415	1425	1441	rVV2	305012	681537	12.59%	1.066%
27	11.839	1523	1532	1535	rVB2	9555	24007	0.44%	0.038%
28	11.892	1536	1541	1542	rVB5	13525	16218	0.30%	0.025%
29	12.427	1627	1632	1638	rVB6	14918	32349	0.60%	0.051%
30	12.503	1638	1645	1647	rBV6	12263	18473	0.34%	0.029%
31	12.644	1663	1669	1674	rVB8	16057	34116	0.63%	0.053%
32	12.726	1678	1683	1689	rVV8	10811	21882	0.40%	0.034%
33	12.920	1710	1716	1721	rBV9	13979	28033	0.52%	0.044%
34	13.220	1759	1767	1772	rBV7	23245	43633	0.81%	0.068%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	13.373	1789	1793	1795	rVB5	13527	15190	0.28%	0.024%
36	13.455	1803	1807	1813	rBV5	24872	41633	0.77%	0.065%
37	13.649	1833	1840	1844	rBV10	13485	28347	0.52%	0.044%
38	13.919	1883	1886	1890	rBV6	13222	20292	0.37%	0.032%
39	14.037	1900	1906	1914	rBV8	17797	48610	0.90%	0.076%
40	14.195	1926	1933	1937	rBV6	37383	77829	1.44%	0.122%
41	14.260	1937	1944	1949	rVV	1228006	1916878	35.42%	2.999%
42	14.307	1949	1952	1958	rVB	178180	260234	4.81%	0.407%
43	14.407	1964	1969	1975	rBV10	29336	77523	1.43%	0.121%
44	14.489	1981	1983	1989	rVB7	22576	38370	0.71%	0.060%
45	14.571	1989	1997	2005	rBV	1171434	1974656	36.49%	3.090%
46	14.706	2016	2020	2025	rBV4	36805	51529	0.95%	0.081%
47	14.871	2040	2048	2054	rBV	1138167	1889058	34.91%	2.956%
48	14.935	2054	2059	2066	rVB	154268	239636	4.43%	0.375%
49	15.076	2077	2083	2094	rBV2	496657	1025760	18.96%	1.605%
50	15.259	2104	2114	2120	rVB4	77549	187603	3.47%	0.294%
51	15.323	2122	2125	2133	rVB7	41674	78128	1.44%	0.122%
52	15.470	2146	2150	2155	rBV7	33828	57829	1.07%	0.090%
53	15.523	2155	2159	2164	rBV8	28540	51899	0.96%	0.081%
54	15.605	2170	2173	2175	rBV4	19779	16628	0.31%	0.026%
55	15.658	2177	2182	2189	rVB3	68743	125874	2.33%	0.197%
56	15.764	2198	2200	2201	rBV2	17238	14041	0.26%	0.022%
57	15.858	2205	2216	2222	rBV	1591118	2598373	48.02%	4.065%
58	15.911	2222	2225	2230	rVB2	142575	219573	4.06%	0.344%
59	15.987	2231	2238	2244	rBV	573083	888560	16.42%	1.390%
60	16.069	2249	2252	2255	rBV5	22724	33043	0.61%	0.052%
61	16.158	2266	2267	2269	rBV2	28427	22908	0.42%	0.036%
62	16.205	2270	2275	2281	rVB2	80883	136003	2.51%	0.213%
63	16.346	2294	2299	2305	rBV2	83016	165082	3.05%	0.258%
64	16.516	2324	2328	2336	rBV4	77587	175560	3.24%	0.275%
65	16.904	2392	2394	2400	rVB3	61895	84180	1.56%	0.132%
66	16.962	2400	2404	2409	rVB8	52221	69670	1.29%	0.109%
67	17.133	2427	2433	2436	rBV7	63635	128251	2.37%	0.201%
68	17.174	2436	2440	2449	rVB2	116361	213489	3.95%	0.334%
69	17.268	2451	2456	2460	rBV3	101095	149385	2.76%	0.234%
70	17.303	2460	2462	2467	rBV3	52988	99253	1.83%	0.155%
71	17.433	2480	2484	2493	rVB	103136	184177	3.40%	0.288%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	17.615	2509	2515	2519	rBV2	1240775	2070519	38.26%	3.239%
73	17.656	2519	2522	2527	rVB	1725692	2487860	45.97%	3.892%
74	17.715	2527	2532	2536	rBV	1471805	2320716	42.88%	3.631%
75	18.126	2599	2602	2605	rBV5	49356	59138	1.09%	0.093%
76	18.196	2612	2614	2620	rVB7	58013	58198	1.08%	0.091%
77	18.449	2653	2657	2660	rBV2	261145	395835	7.31%	0.619%
78	18.484	2660	2663	2667	rVV	309544	459876	8.50%	0.720%
79	18.531	2667	2671	2677	rVB	466260	661197	12.22%	1.034%
80	18.613	2682	2685	2689	rBV	170110	196942	3.64%	0.308%
81	18.684	2690	2697	2701	rBV2	377663	840519	15.53%	1.315%
82	18.966	2741	2745	2751	rBV	286345	438522	8.10%	0.686%
83	19.025	2751	2755	2764	rVB2	235625	431985	7.98%	0.676%
84	19.389	2812	2817	2821	rBV	153940	306009	5.65%	0.479%
85	19.536	2838	2842	2846	rBV2	217040	348010	6.43%	0.544%
86	19.653	2855	2862	2868	rBV	3248428	4806140	88.81%	7.520%
87	19.700	2868	2870	2874	rBV4	160050	224600	4.15%	0.351%
88	19.988	2912	2919	2921	rBV2	2194649	3577855	66.12%	5.598%
89	20.018	2921	2924	2929	rVB	2567713	3481696	64.34%	5.447%
90	20.076	2932	2934	2937	rVB3	198952	219127	4.05%	0.343%
91	20.194	2949	2954	2957	rBV	231619	407696	7.53%	0.638%
92	20.494	3002	3005	3011	rVB	381825	572508	10.58%	0.896%
93	21.281	3135	3139	3145	rBV	411780	729499	13.48%	1.141%
94	21.475	3168	3172	3176	rVB4	221918	375135	6.93%	0.587%
95	21.628	3195	3198	3204	rVB	383486	567774	10.49%	0.888%
96	21.904	3238	3245	3251	rBV3	2129073	5411553	100.00%	8.467%
97	21.963	3252	3255	3265	rVB	1316331	2206896	40.78%	3.453%
98	24.248	3638	3644	3654	rBV2	713522	2334211	43.13%	3.652%
99	25.112	3785	3791	3798	rBV2	656167	1674574	30.94%	2.620%
100	25.353	3826	3832	3840	rVB	654625	1659632	30.67%	2.597%

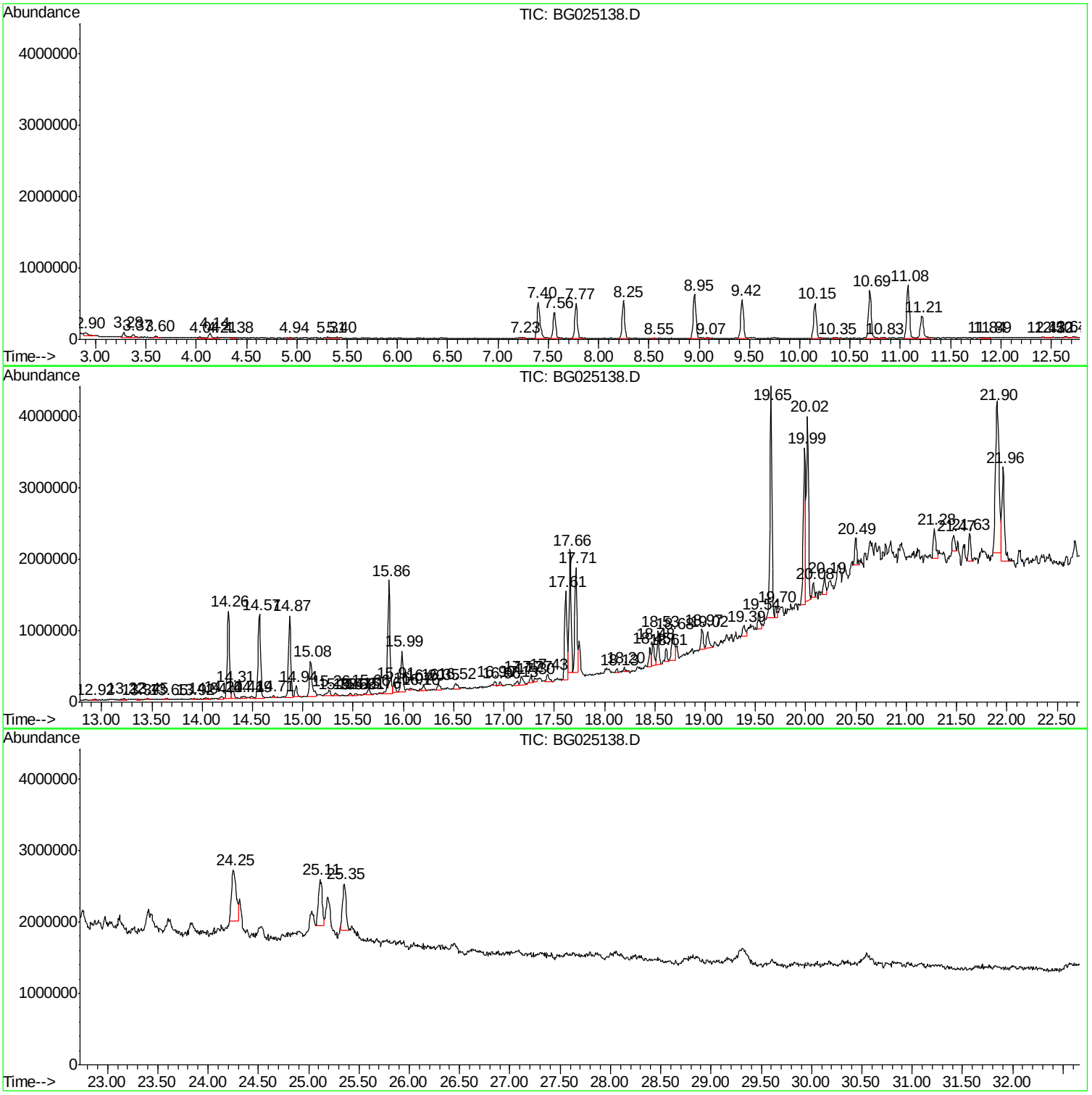
Sum of corrected areas: 63914797

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

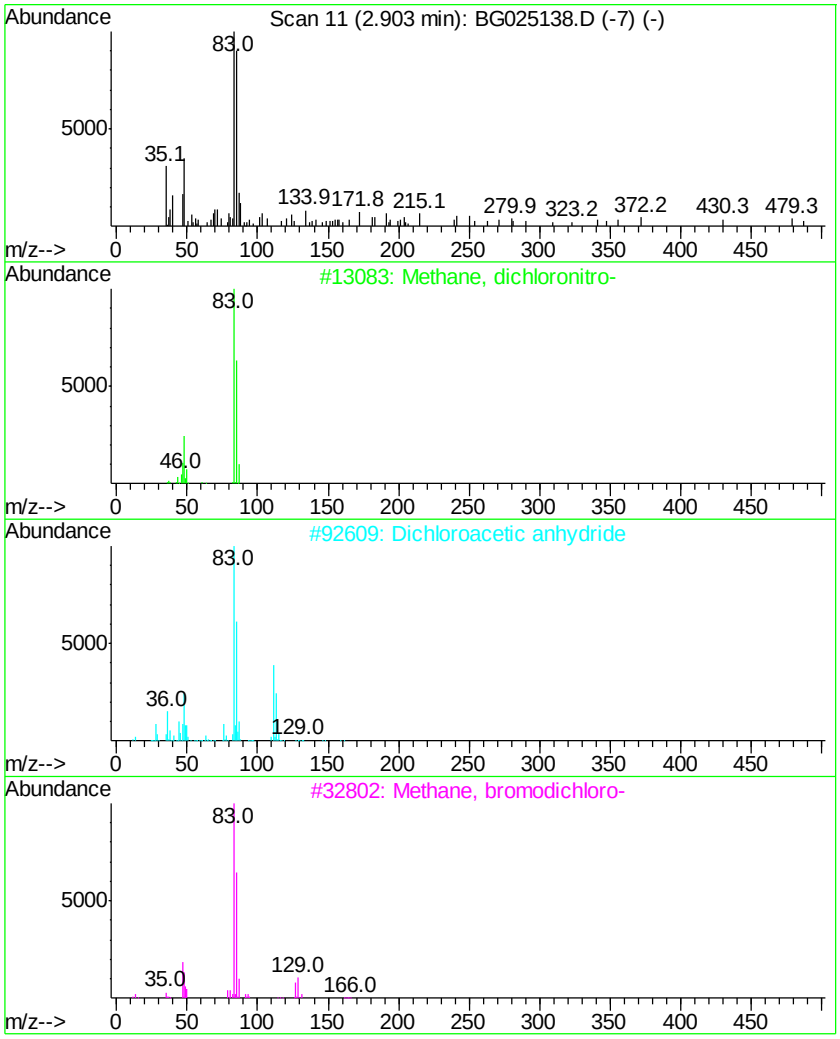
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

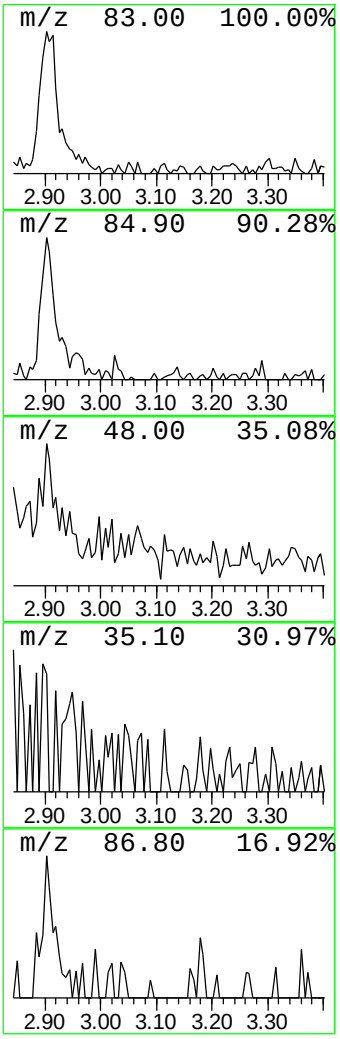
****

Peak Number 1 Methane, dichloronitro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	2.88 ng/ul	138358	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, dichloronitro-	129	CHCl2NO2	007119-89-3	64
2	Dichloroacetic anhydride	238	C4H2Cl4O3	004124-30-5	33
3	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	17
4	1,2,4-Triazole, 5-cyclohexanecar...	194	C9H14N4O	021051-17-2	16
5	Propane, 3,3-dichloro-1,1,1,2,2-...	202	C3HCl2F5	000422-56-0	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

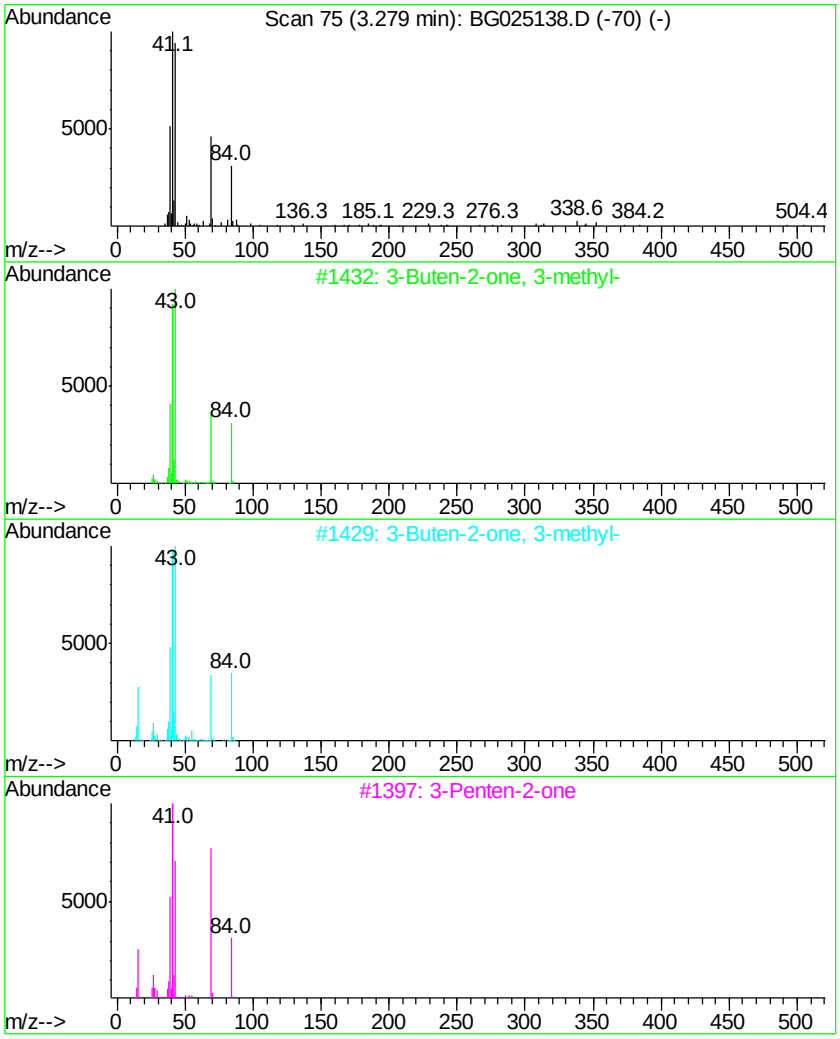
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

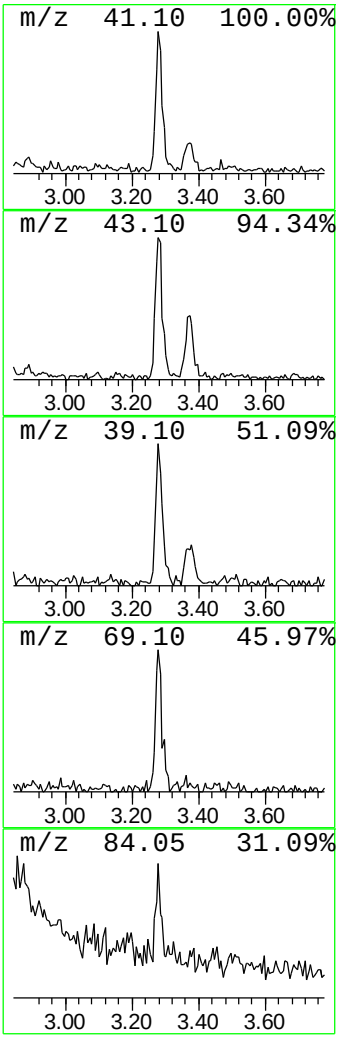
****

Peak Number 2 3-Buten-2-one, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	2.68 ng/ul	129023	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	64
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	64
3	3-Penten-2-one	84	C5H8O	000625-33-2	59
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	59
5	2H-Pyran-2-one, tetrahydro-6,6-d...	128	C7H12O2	002610-95-9	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

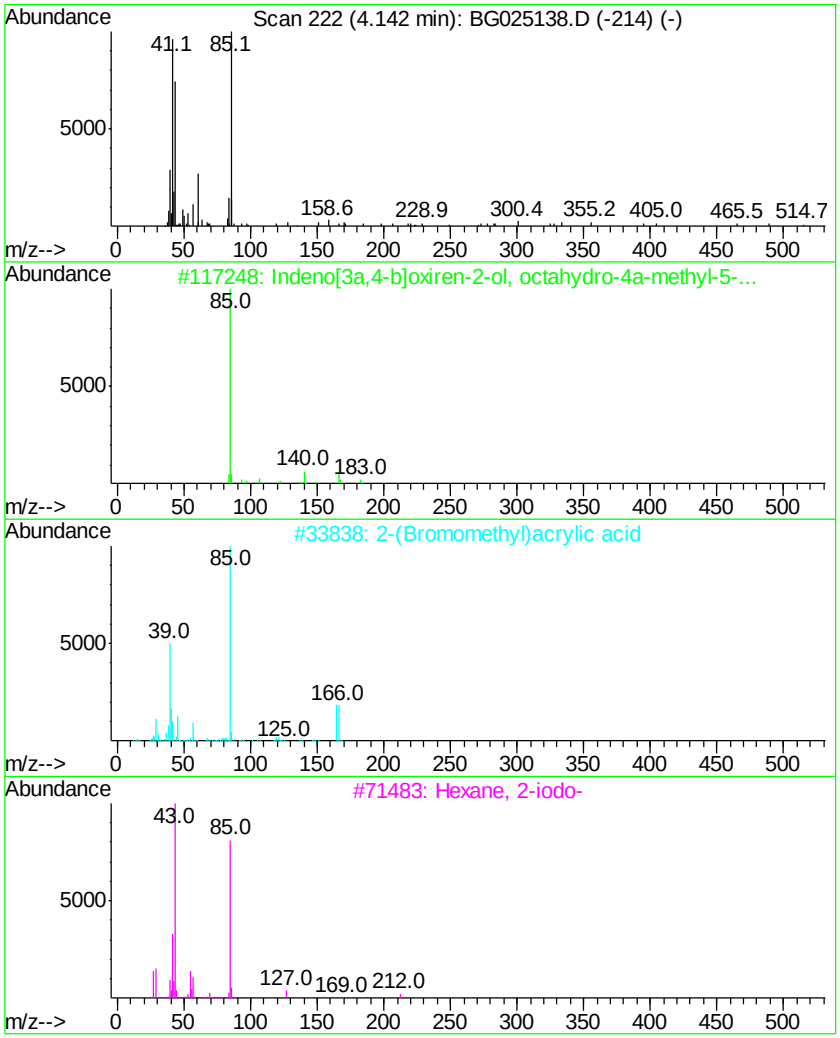
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

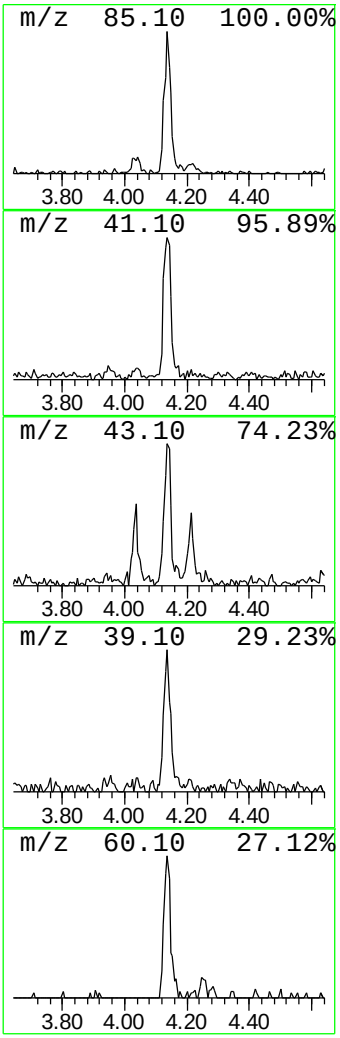
****

Peak Number 3 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	2.78 ng/ul	133609	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[3a,4-b]oxiren-2-ol, octah...	268	C15H24O4	067920-65-4	40
2	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	37
3	Hexane, 2-iodo-	212	C6H13I	018589-27-0	28
4	1,3-Butadiene, 1-(ethylthio)-	114	C6H10S	010574-85-3	25
5	Benzene, 1,3-bis(tetrahydropyran...	278	C16H22O4	030778-88-2	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

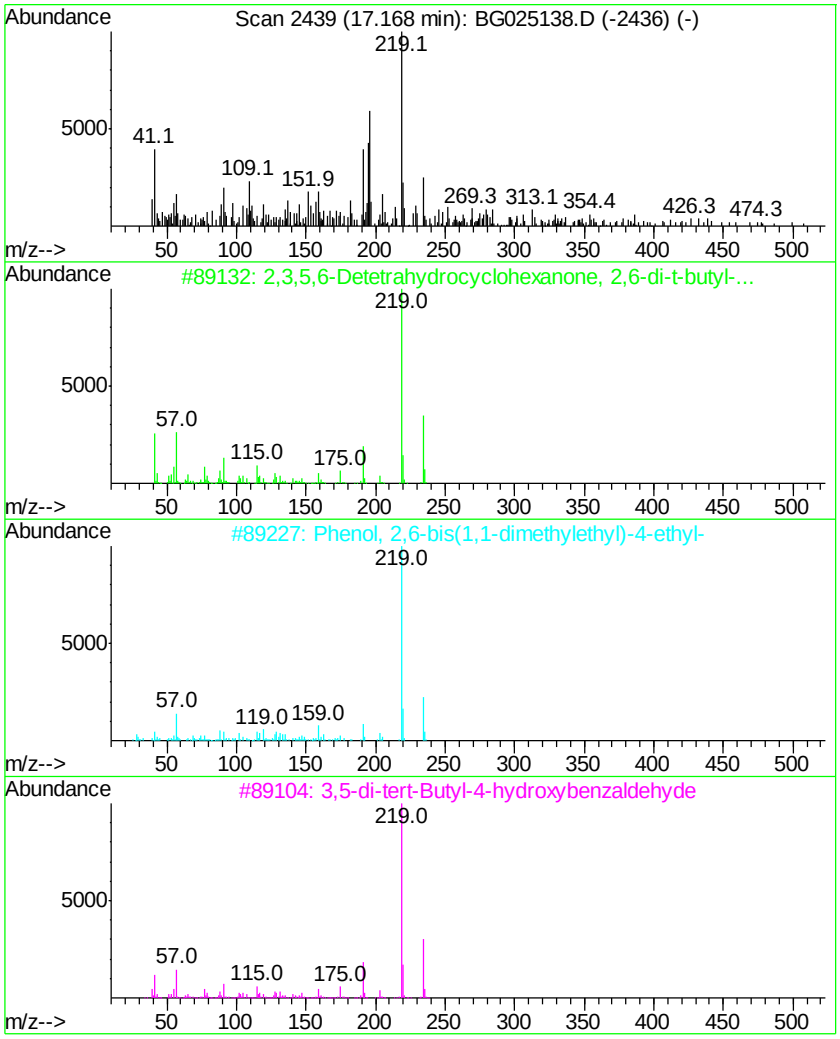
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

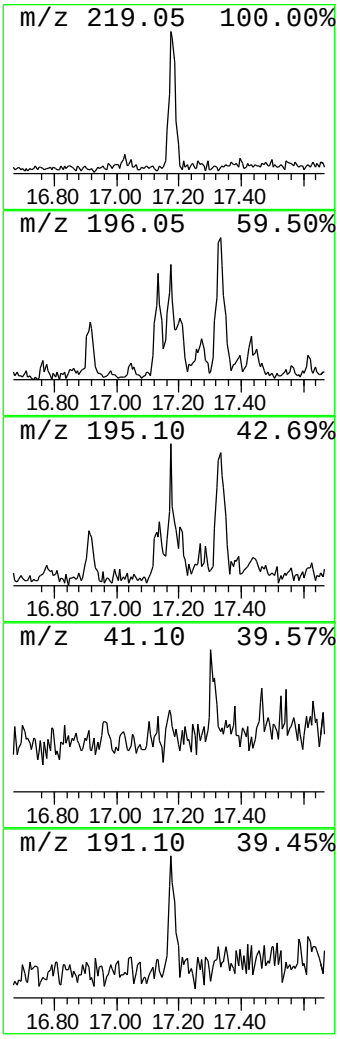
****

Peak Number 4 2,3,5,6-Detetrahydrocyclohe... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	2.06 ng/ul	213489	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,5,6-Detetrahydrocyclohexanon...	234	C15H22O2	101100-38-3	55
2	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	46
3	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	43
4	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	43
5	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

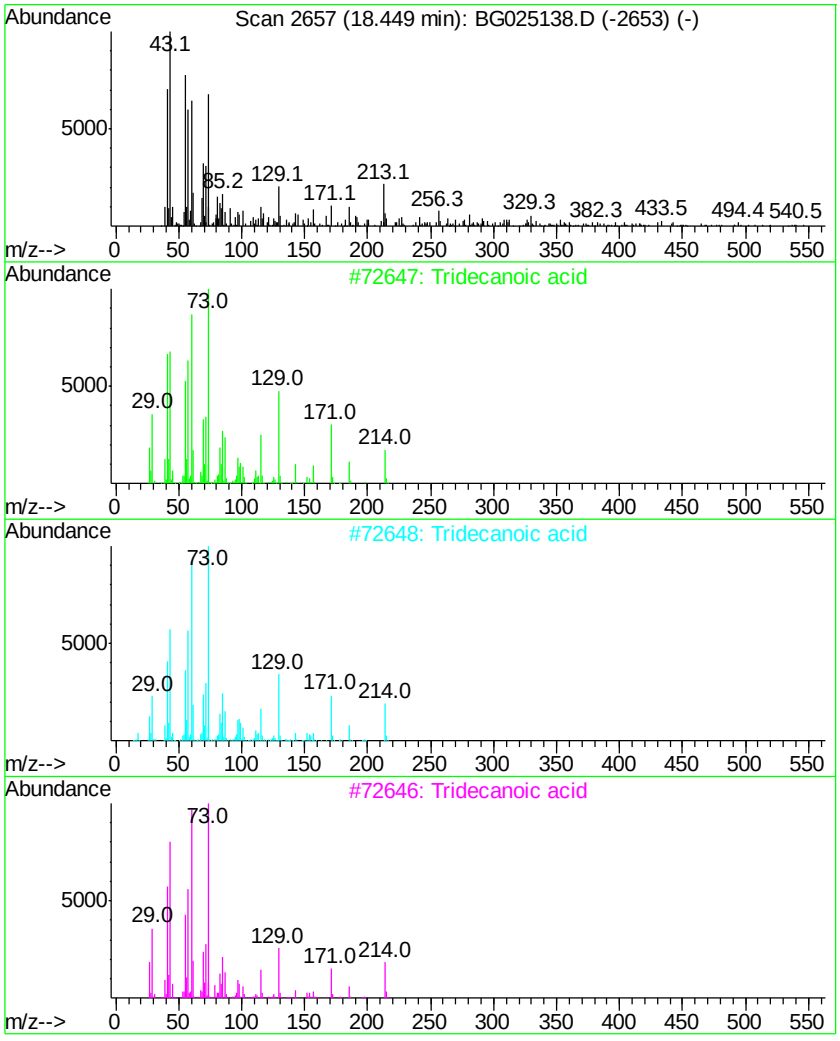
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

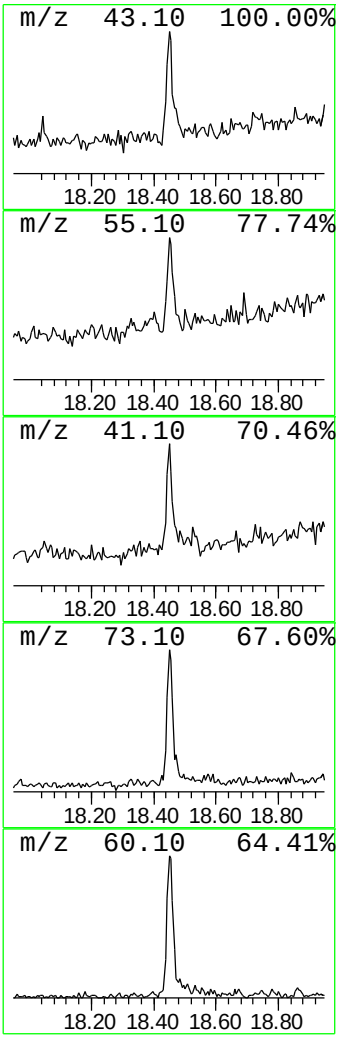
****

Peak Number 5 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.82 ng/ul	395835	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	60
2	Tridecanoic acid	214	C13H26O2	000638-53-9	60
3	Tridecanoic acid	214	C13H26O2	000638-53-9	60
4	Eicosanoic acid	312	C20H40O2	000506-30-9	52
5	Tridecanoic acid	214	C13H26O2	000638-53-9	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

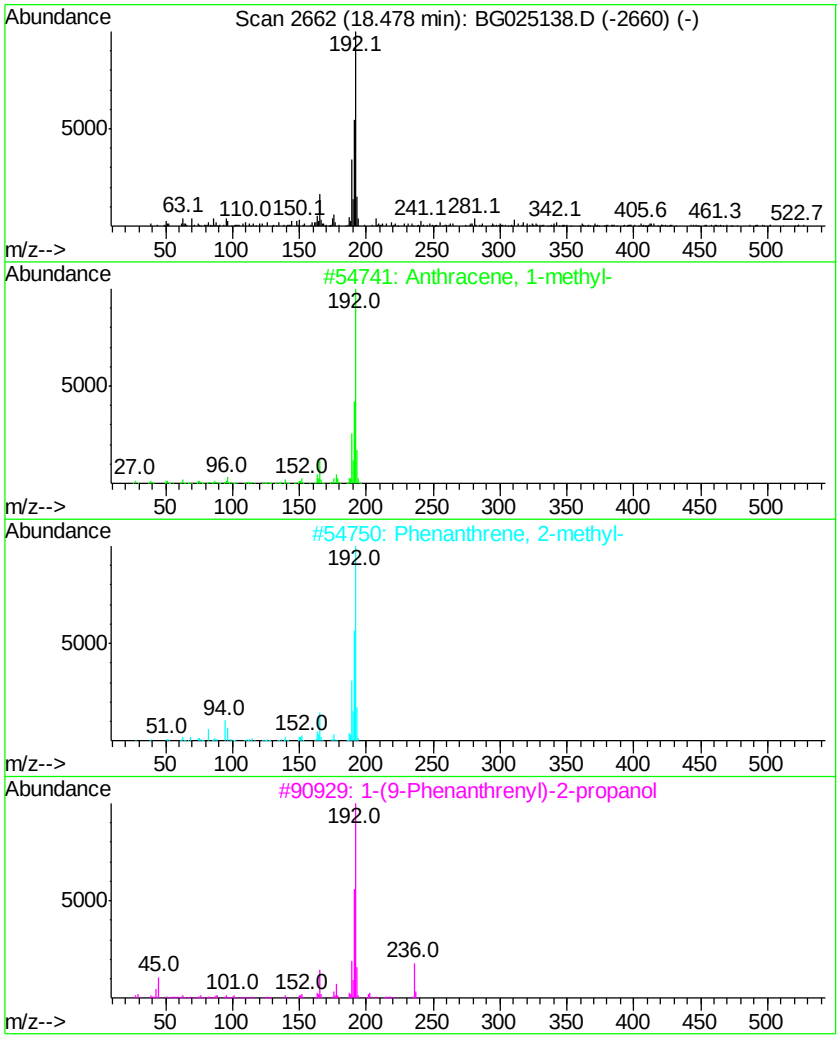
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

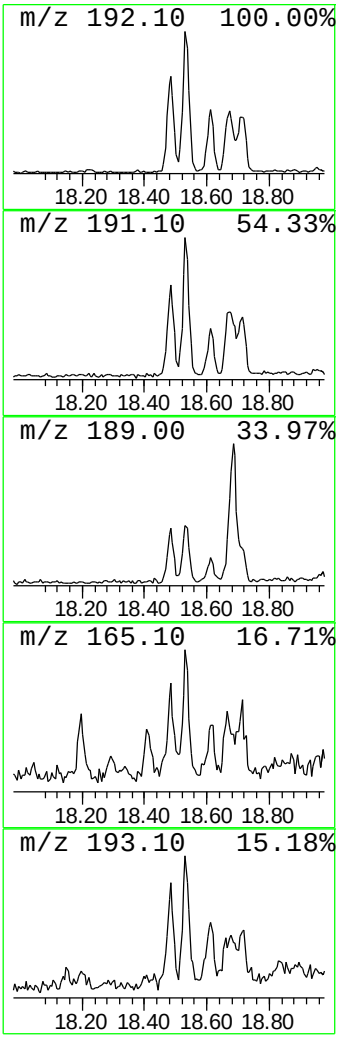
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	4.44 ng/ul	459876	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1-(9-Phenanthrenyl)-2-propanol	236	C17H16O	1000326-09-0	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

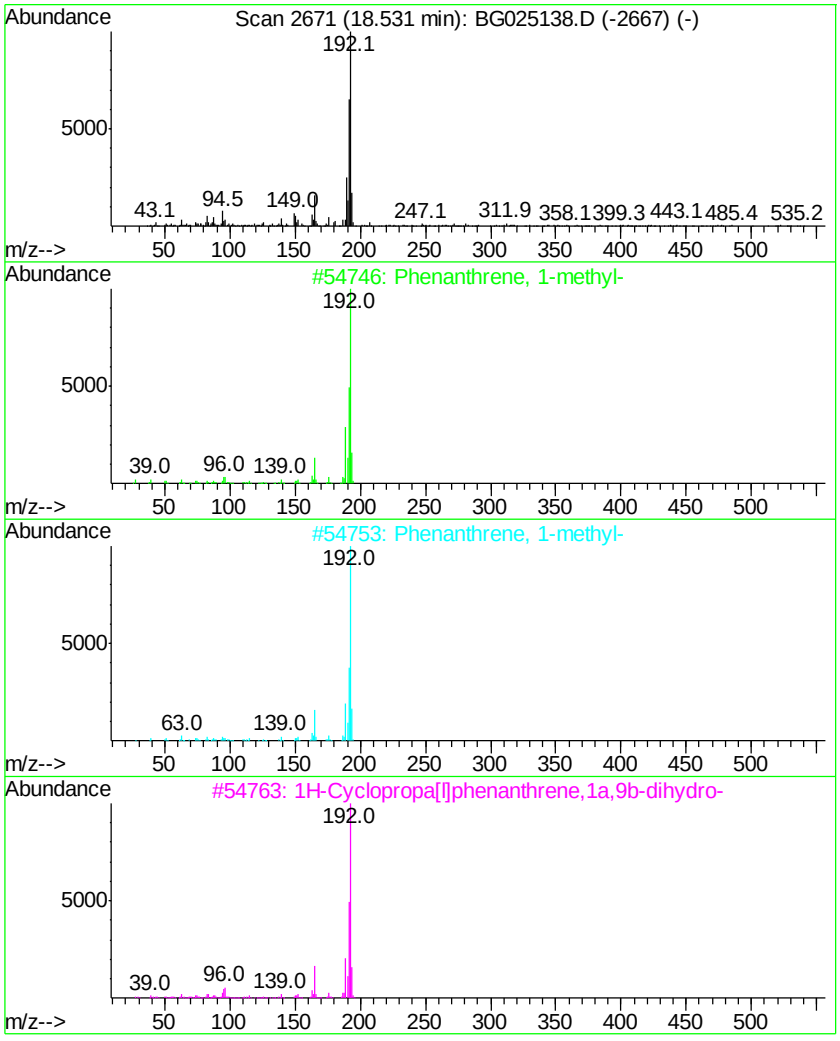
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

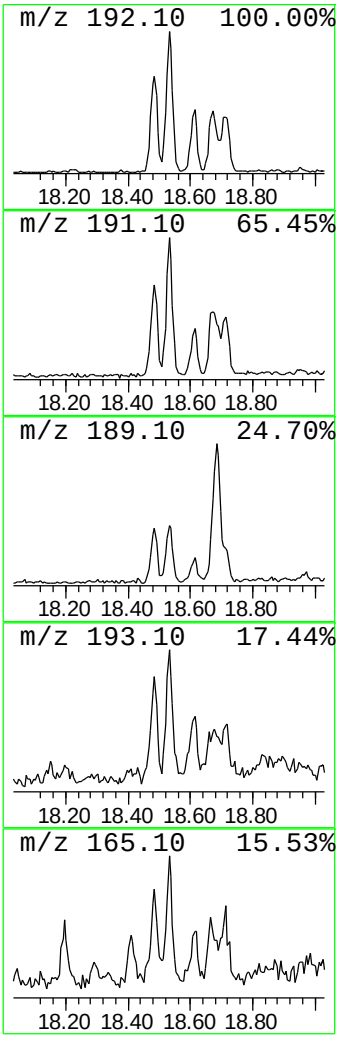
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	6.39 ng/ul	661197	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

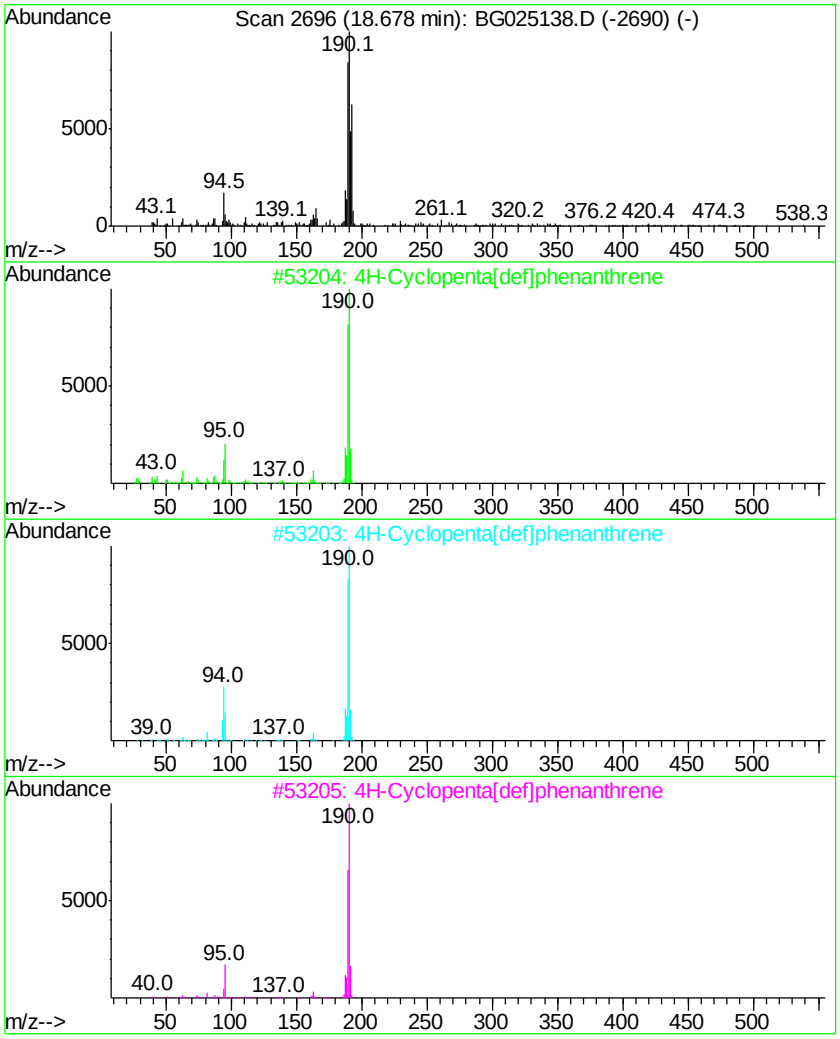
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

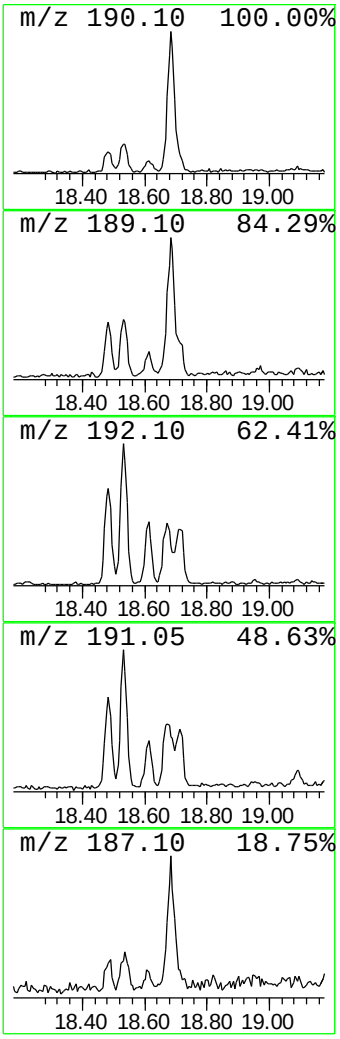
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	8.12 ng/ul	840519	Phenanthrene-d10	17.61

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	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	58
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

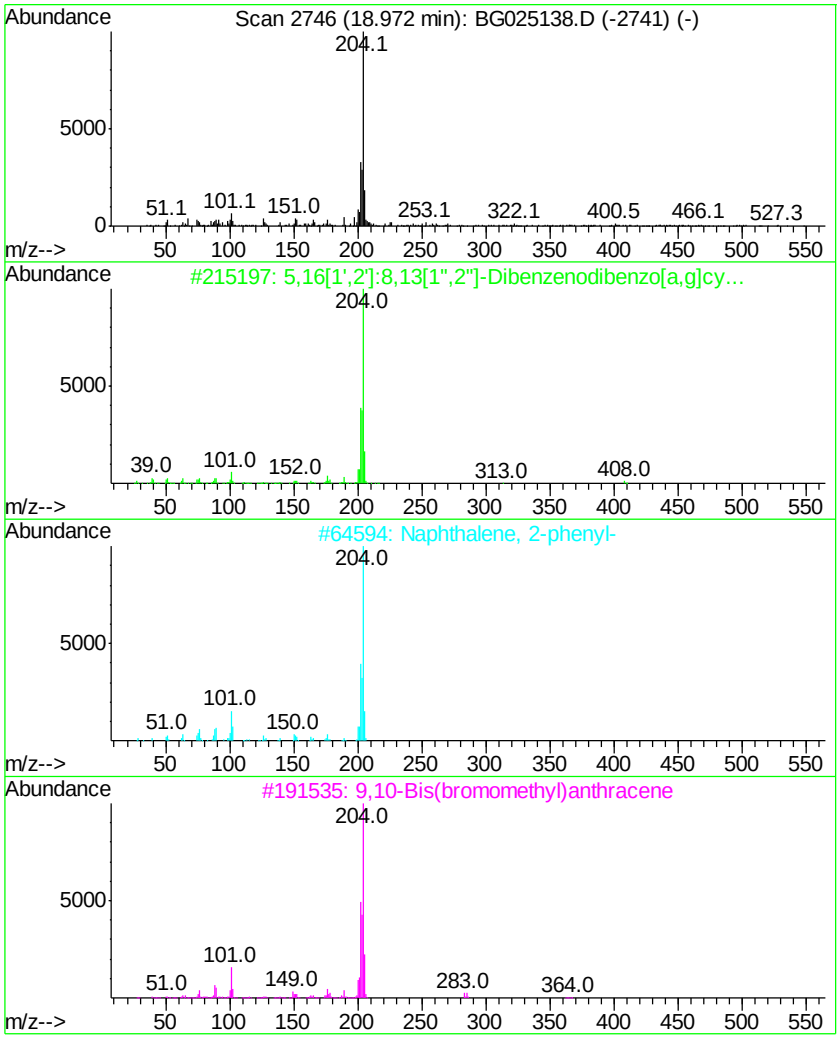
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

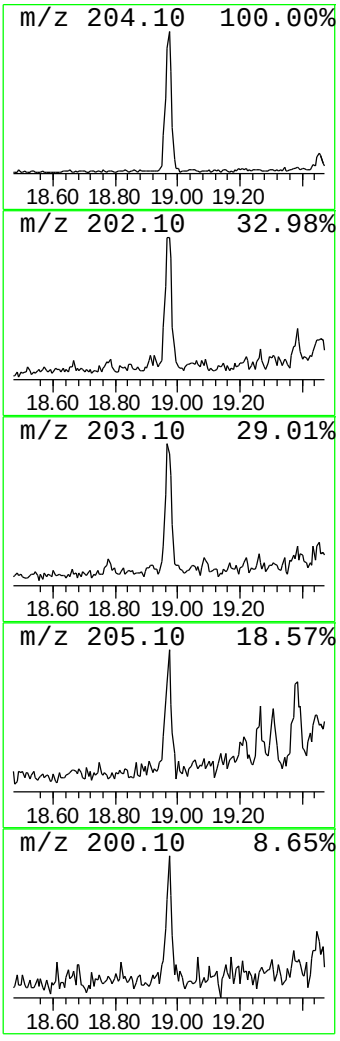
****

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.24 ng/ul	438522	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
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:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

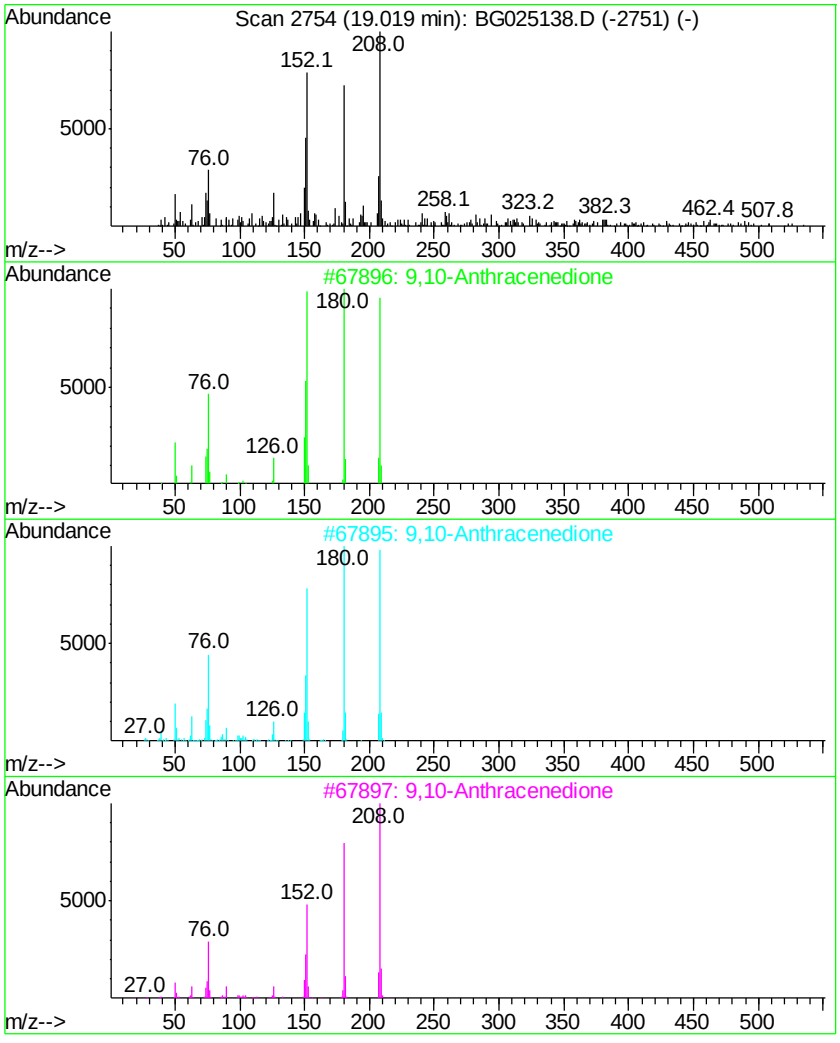
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

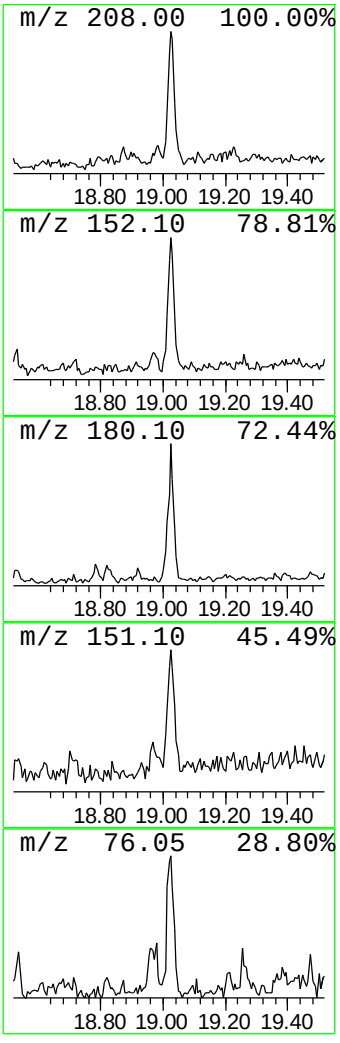
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	4.17 ng/ul	431985	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

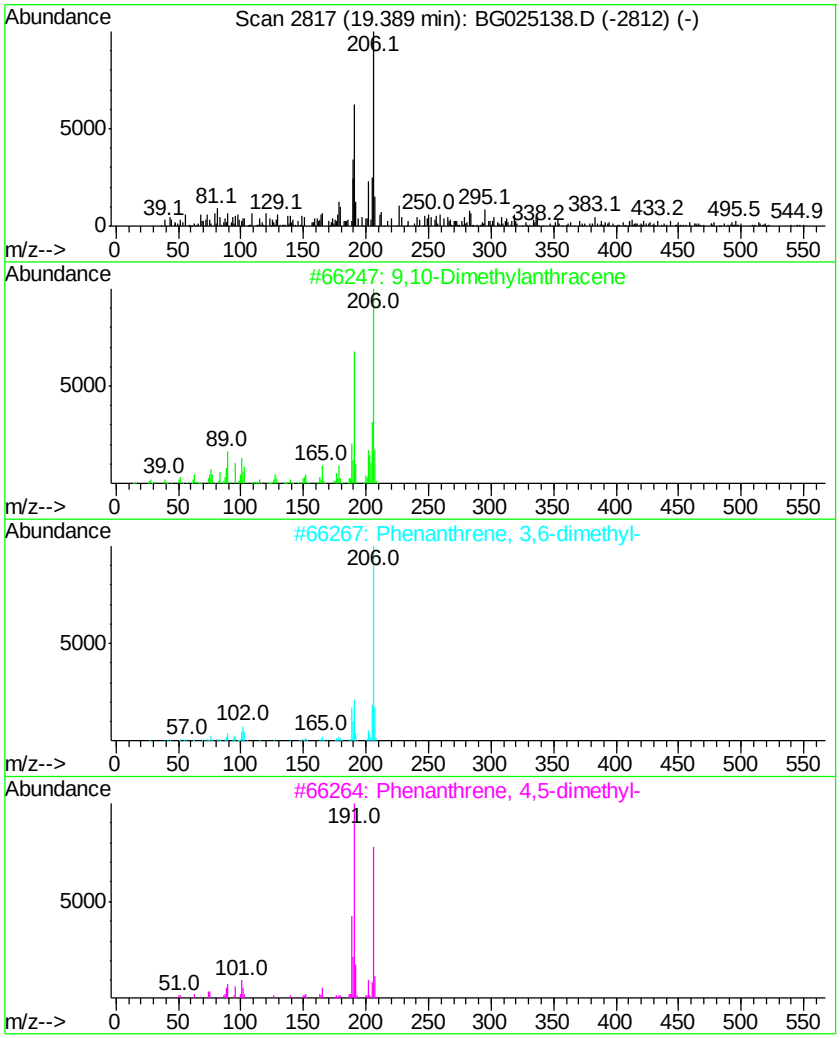
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

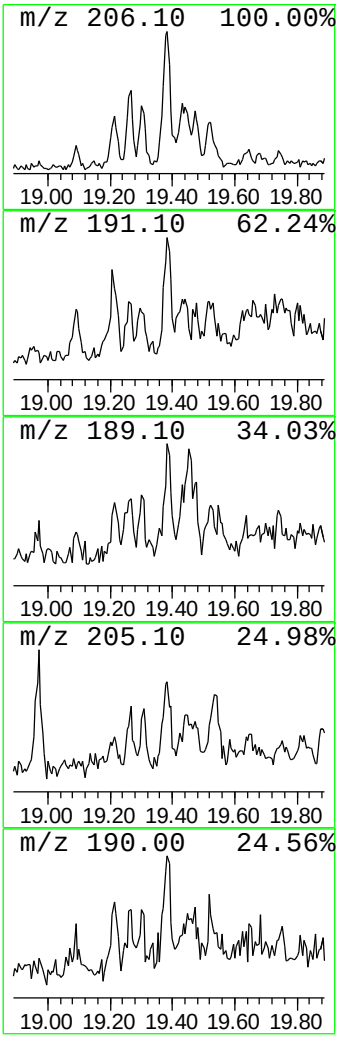
****

Peak Number 11 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.96 ng/ul	306009	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

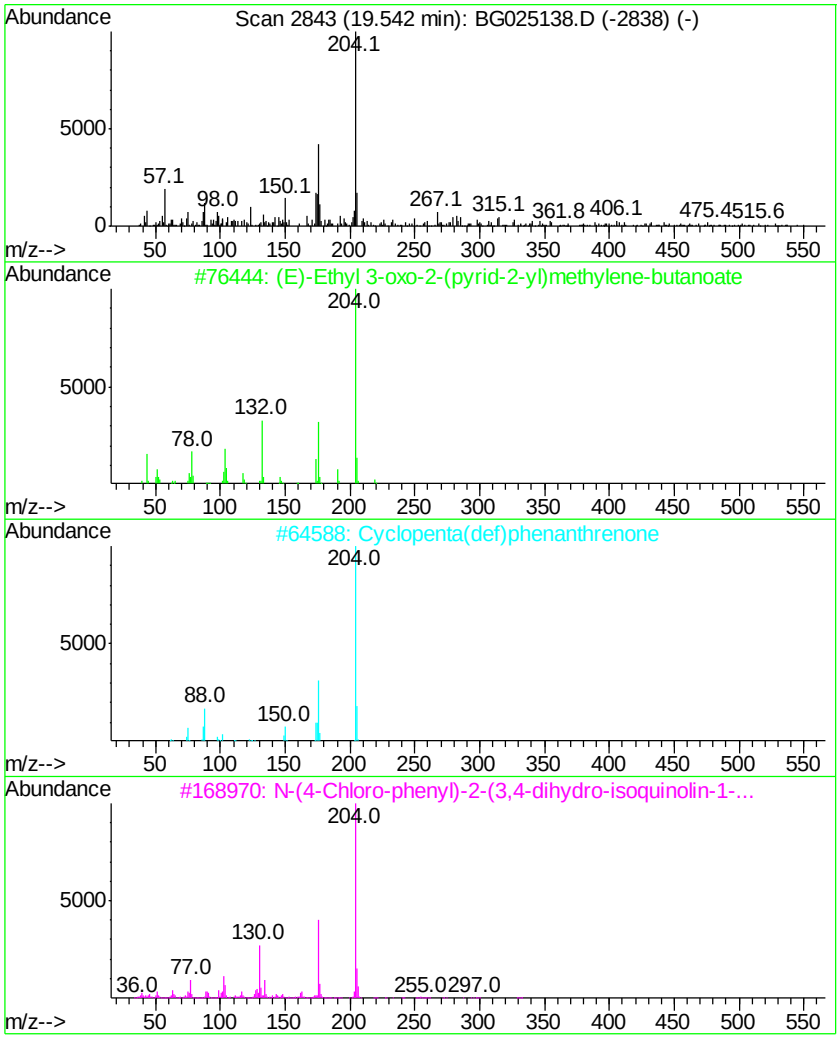
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

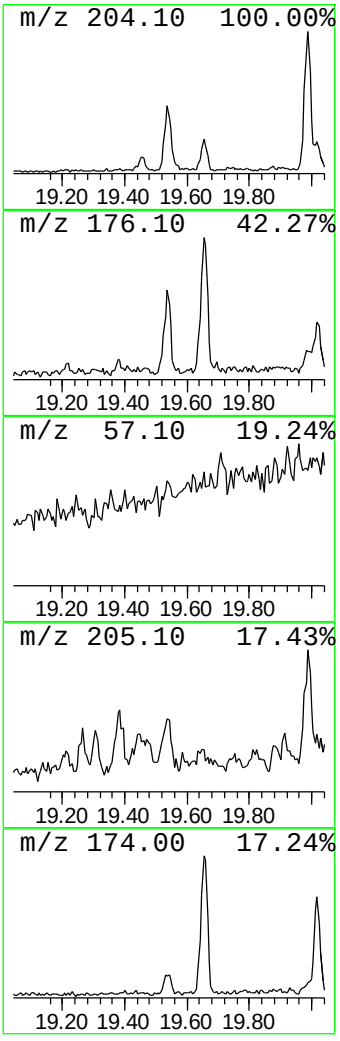
****

Peak Number 12 (E)-Ethyl 3-oxo-2-(pyrid-2-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	3.36 ng/ul	348010	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	58
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	58
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	56
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	56
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	56





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

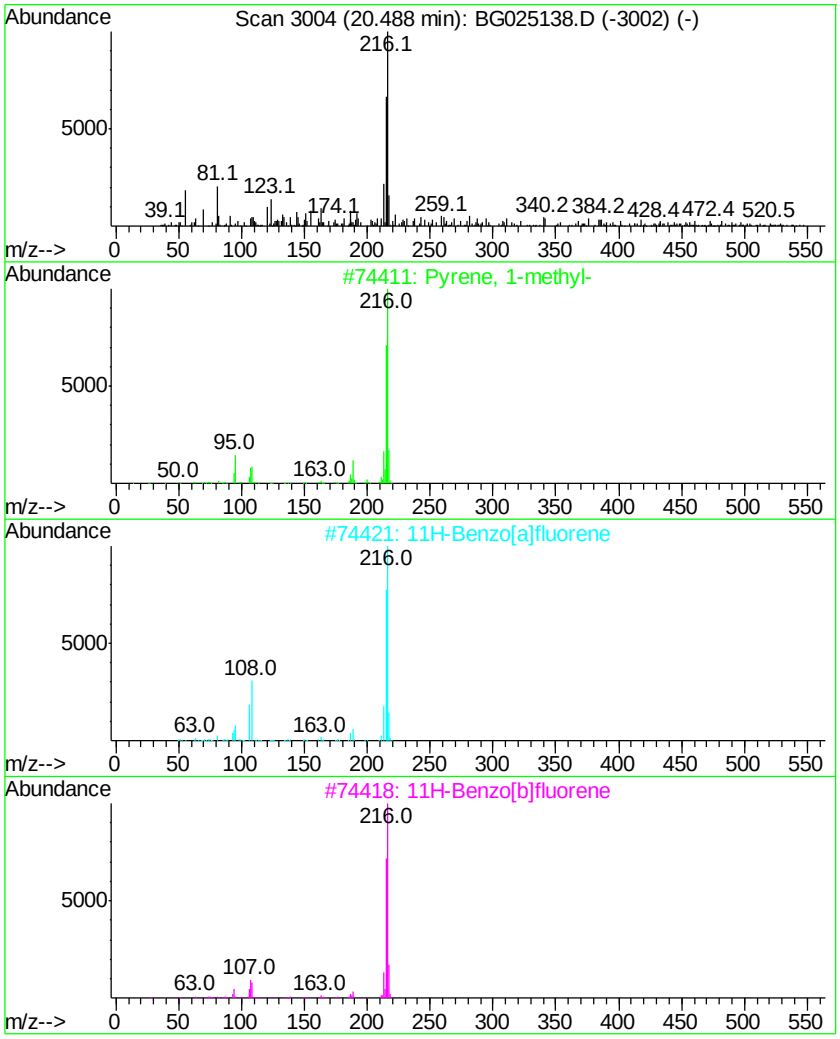
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

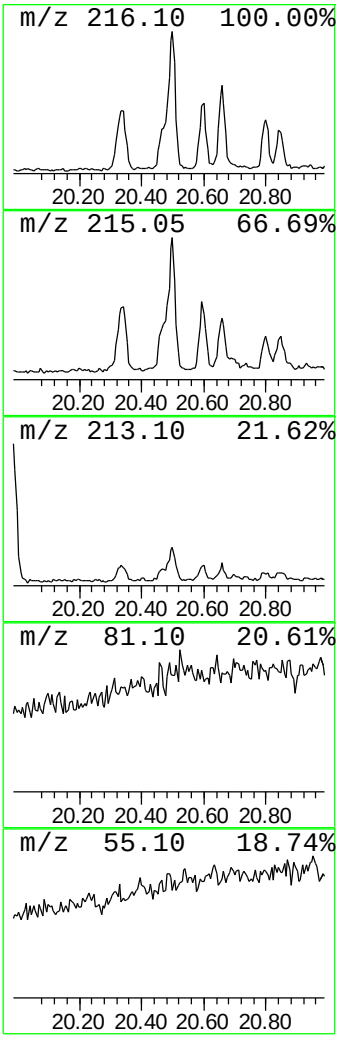
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.12 ng/ul	572508	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

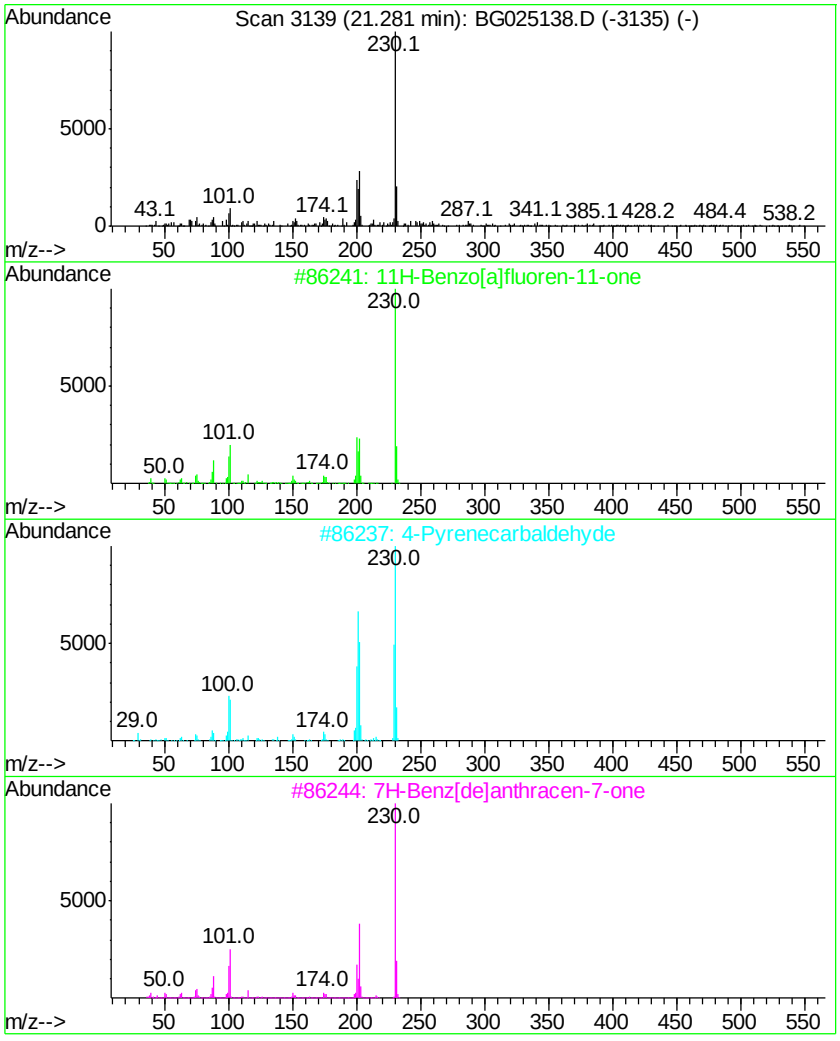
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

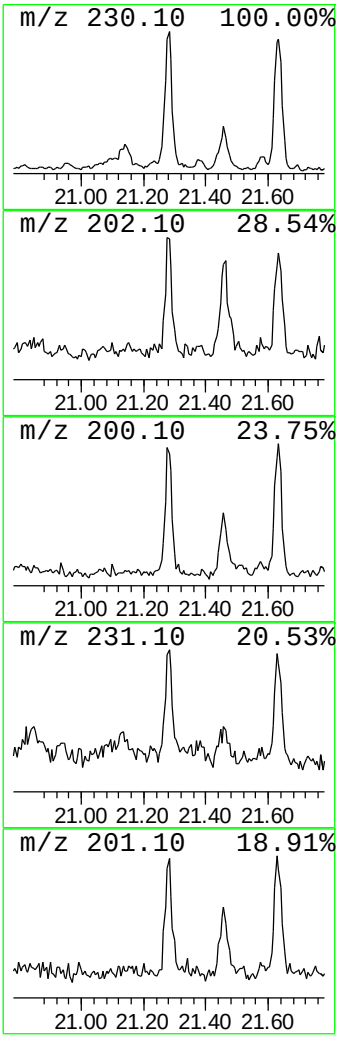
****

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	2.70 ng/ul	729499	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025138.D
Acq On : 13 Dec 2016 6:36
Operator : UM/SJ
Sample : H5990-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS017-0612-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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
Methane, dichloro...	2.90	2.9	ng/ul	138358	1	8.25	961375	20.0
3-Buten-2-one, 3-...	3.28	2.7	ng/ul	129023	1	8.25	961375	20.0
unknown-01	4.14	2.8	ng/ul	133609	1	8.25	961375	20.0
2,3,5,6-Detetrahy...	17.17	2.1	ng/ul	213489	4	17.61	2070520	20.0
Tridecanoic acid	18.45	3.8	ng/ul	395835	4	17.61	2070520	20.0
Anthracene, 1-met...	18.48	4.4	ng/ul	459876	4	17.61	2070520	20.0
Phenanthrene, 1-m...	18.53	6.4	ng/ul	661197	4	17.61	2070520	20.0
4H-Cyclopenta[def...	18.68	8.1	ng/ul	840519	4	17.61	2070520	20.0
5,16[1',2']:8,13[...	18.97	4.2	ng/ul	438522	4	17.61	2070520	20.0
9,10-Anthracenedione	19.02	4.2	ng/ul	431985	4	17.61	2070520	20.0
9,10-Dimethylanth...	19.39	3.0	ng/ul	306009	4	17.61	2070520	20.0
(E)-Ethyl 3-oxo-2...	19.54	3.4	ng/ul	348010	4	17.61	2070520	20.0
Pyrene, 1-methyl-	20.49	2.1	ng/ul	572508	5	21.92	5411550	20.0
11H-Benzo[a]fluor...	21.28	2.7	ng/ul	729499	5	21.92	5411550	20.0