LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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	3.169	52	56	64	rBV3	33171	53198	1.95%	0.135%
2	3.263	69	72	80	rVB6	16297	28182	1.03%	0.072%
3	3.487	106	110	114	rBV4	17614	22164	0.81%	0.056%
4	3.798	158	163	165	rBV3	5596	9709	0.36%	0.025%
5	4.015	195	200	207	rBV3	42017	68868	2.53%	0.175%
6	4.174	225	227	229	rBV2	6652	7271	0.27%	0.018%
7	4.791	330	332	338	rVB5	6857	10291	0.38%	0.026%
8	5.179	394	398	407	rVB2	22424	41123	1.51%	0.104%
9	6.606	637	641	642	rBV4	4131	5187	0.19%	0.013%
10	6.723	658	661	663	rBV4	5722	6148	0.23%	0.016%
11	7.047	712	716	719	rVB6	3295	5336	0.20%	0.014%
12	7.270	747	754	765	rBV	377060	720050	26.43%	1.829%
13	7.423	774	780	789	rBV	294811	505662	18.56%	1.284%
14	7.640	811	817	825	rBV	377036	653463	23.98%	1.660%
15	8.110	890	897	905	rBV	454046	797679	29.27%	2.026%
16	8.827	1013	1019	1033	rBV2	319263	609651	22.37%	1.549%
17	9.085	1058	1063	1065	rBV4	3684	6169	0.23%	0.016%
18	9.291	1091	1098	1107	rBV	376962	703245	25.81%	1.786%
19	9.402	1115	1117	1118	rBV2	7372	6812	0.25%	0.017%
20	9.672	1158	1163	1167	rVV2	5856	8912	0.33%	0.023%
21	10.019	1215	1222	1231	rBV2	336232	620579	22.77%	1.576%
22	10.137	1241	1242	1246	rBV3	4527	5198	0.19%	0.013%
23	10.377	1281	1283	1286	rVB4	6115	7234	0.27%	0.018%
24	10.571	1309	1316	1326	rBV	419544	846025	31.05%	2.149%
25	10.947	1371	1380	1388	rBV	668948	1219305	44.75%	3.097%
26	11.088	1397	1404	1415	rBV	278266	552329	20.27%	1.403%
27	11.494	1469	1473	1477	rVB5	4579	7053	0.26%	0.018%
28	11.541	1477	1481	1485	rBV5	3566	5182	0.19%	0.013%
29	11.752	1514	1517	1519	rBV2	6235	7847	0.29%	0.020%
30	12.251	1601	1602	1607	rVB5	5304	5927	0.22%	0.015%
31	12.428	1628	1632	1633	rBV3	8581	7258	0.27%	0.018%
32	12.533	1643	1650	1657	rVB8	12224	30480	1.12%	0.077%
33	12.610	1657	1663	1669	rBV4	13711	28084	1.03%	0.071%
34	12.757	1683	1688	1690	rBV6	4388	5397	0.20%	0.014%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	12.833	1694	1701	1706	rVB2	17049	33337	1.22%	0.085%
36	13.127	1748	1751	1755	rBV5	6126	10572	0.39%	0.027%
37	13.215	1764	1766	1769	rBV4	4712	4782	0.18%	0.012%
38	13.285	1777	1778	1783	rVB4	6069	7588	0.28%	0.019%
39	13.373	1789	1793	1795	rBV4	7214	9901	0.36%	0.025%
40	13.485	1808	1812	1817	rBV5	7723	11149	0.41%	0.028%
41	13.579	1820	1828	1834	rBV6	16549	35084	1.29%	0.089%
42	13.649	1837	1840	1846	rVB6	21501	35389	1.30%	0.090%
43	13.761	1856	1859	1860	rVB3	5467	5149	0.19%	0.013%
44	13.808	1864	1867	1870	rBV5	7563	6028	0.22%	0.015%
45	13.943	1883	1890	1899	rBV7	22040	59610	2.19%	0.151%
46	14.102	1912	1917	1922	rBV2	47933	81465	2.99%	0.207%
47	14.178	1922	1930	1934	rVV	907222	1355460	49.74%	3.443%
48	14.225	1934	1938	1945	rVB	601794	896137	32.89%	2.276%
49	14.337	1954	1957	1960	rBV4	22081	33587	1.23%	0.085%
50	14.478	1974	1981	1993	rBV	961584	1660326	60.93%	4.217%
51	14.648	2006	2010	2018	rVB	61273	87182	3.20%	0.221%
52	14.789	2021	2034	2042	rBV3	963298	1663994	61.07%	4.227%
53	14.860	2042	2046	2048	rBV5	10341	12828	0.47%	0.033%
54	14.912	2053	2055	2057	rVV3	8442	7091	0.26%	0.018%
55	15.012	2065	2072	2083	rBV2	230234	535736	19.66%	1.361%
56	15.177	2093	2100	2104	rBV6	49759	110082	4.04%	0.280%
57	15.253	2109	2113	2120	rVB3	69978	111516	4.09%	0.283%
58	15.400	2132	2138	2142	rBV4	61352	116935	4.29%	0.297%
59	15.453	2143	2147	2151	rVV2	38042	58105	2.13%	0.148%
60	15.517	2155	2158	2160	rVV4	21361	28873	1.06%	0.073%
61	15.570	2160	2167	2170	rVV7	33567	92831	3.41%	0.236%
62	15.606	2170	2173	2178	rVB2	138733	173757	6.38%	0.441%
63	15.658	2179	2182	2186	rBV5	22292	33725	1.24%	0.086%
64	15.782	2197	2203	2209	rBV	1273105	1864125	68.41%	4.735%
65	15.917	2221	2226	2232	rBV	281464	447814	16.43%	1.137%
66	16.111	2256	2259	2261	rBV4	31753	40092	1.47%	0.102%
67	16.281	2285	2288	2295	rVB7	33157	55039	2.02%	0.140%
68	16.475	2317	2321	2324	rBV	121150	184224	6.76%	0.468%
69	16.651	2347	2351	2355	rBV4	32373	45205	1.66%	0.115%
70	17.074	2420	2423	2429	rVB7	45482	73204	2.69%	0.186%
71	17.274	2453	2457	2462	rVB2	98047	131555	4.83%	0.334%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	17.368	2470	2473	2479	rVB	59262	91253	3.35%	0.232%
73	17.550	2498	2504	2509	rBV	1145594	1857918	68.18%	4.719%
74	17.597	2509	2512	2516	rVV	368876	507115	18.61%	1.288%
75	17.650	2516	2521	2531	rVB	1181552	1873780	68.77%	4.760%
76	18.020	2581	2584	2590	rVB5	64420	90186	3.31%	0.229%
77	18.137	2600	2604	2611	rVB	126968	207185	7.60%	0.526%
78	18.278	2625	2628	2637	rVB3	93182	188213	6.91%	0.478%
79	18.425	2648	2653	2658	rBV2	518112	868099	31.86%	2.205%
80	18.478	2658	2662	2668	rVB	458579	712901	26.16%	1.811%
81	18.566	2673	2677	2681	rVV3	71826	120036	4.41%	0.305%
82	18.619	2681	2686	2690	rVV3	398731	694229	25.48%	1.763%
83	18.660	2691	2693	2698	rVB	268061	367738	13.50%	0.934%
84	18.925	2734	2738	2742	rBV3	170716	266775	9.79%	0.678%
85	19.165	2773	2779	2785	rBV2	170748	334310	12.27%	0.849%
86	19.224	2785	2789	2792	rBV	258652	333234	12.23%	0.846%
87	19.259	2792	2795	2800	rVB2	210078	272492	10.00%	0.692%
88	19.342	2804	2809	2814	rBV	691620	1046563	38.41%	2.658%
89	19.395	2814	2818	2822	rBV2	205930	379674	13.93%	0.964%
90	19.483	2829	2833	2838	rBV5	193270	429057	15.75%	1.090%
91	19.606	2850	2854	2860	rVB	617347	927114	34.02%	2.355%
92	19.665	2860	2864	2867	rBV2	137313	211134	7.75%	0.536%
93	19.947	2907	2912	2915	rBV	1485405	2364565	86.78%	6.006%
94	20.041	2924	2928	2934	rVB	357083	534407	19.61%	1.357%
95	20.622	3024	3027	3031	rVB	351585	441984	16.22%	1.123%
96	20.763	3047	3051	3055	rBV	372690	531069	19.49%	1.349%
97	20.810	3056	3059	3062	rVV2	228375	284742	10.45%	0.723%
98	21.879	3233	3241	3246	rBV3	1271745	2724865	100.00%	6.921%
99	25.052	3776	3781	3789	rVB2	521211	1265809	46.45%	3.215%
100	25.287	3815	3821	3832	rVB2	609100	1705618	62.59%	4.332%

Sum of corrected areas: 39368560

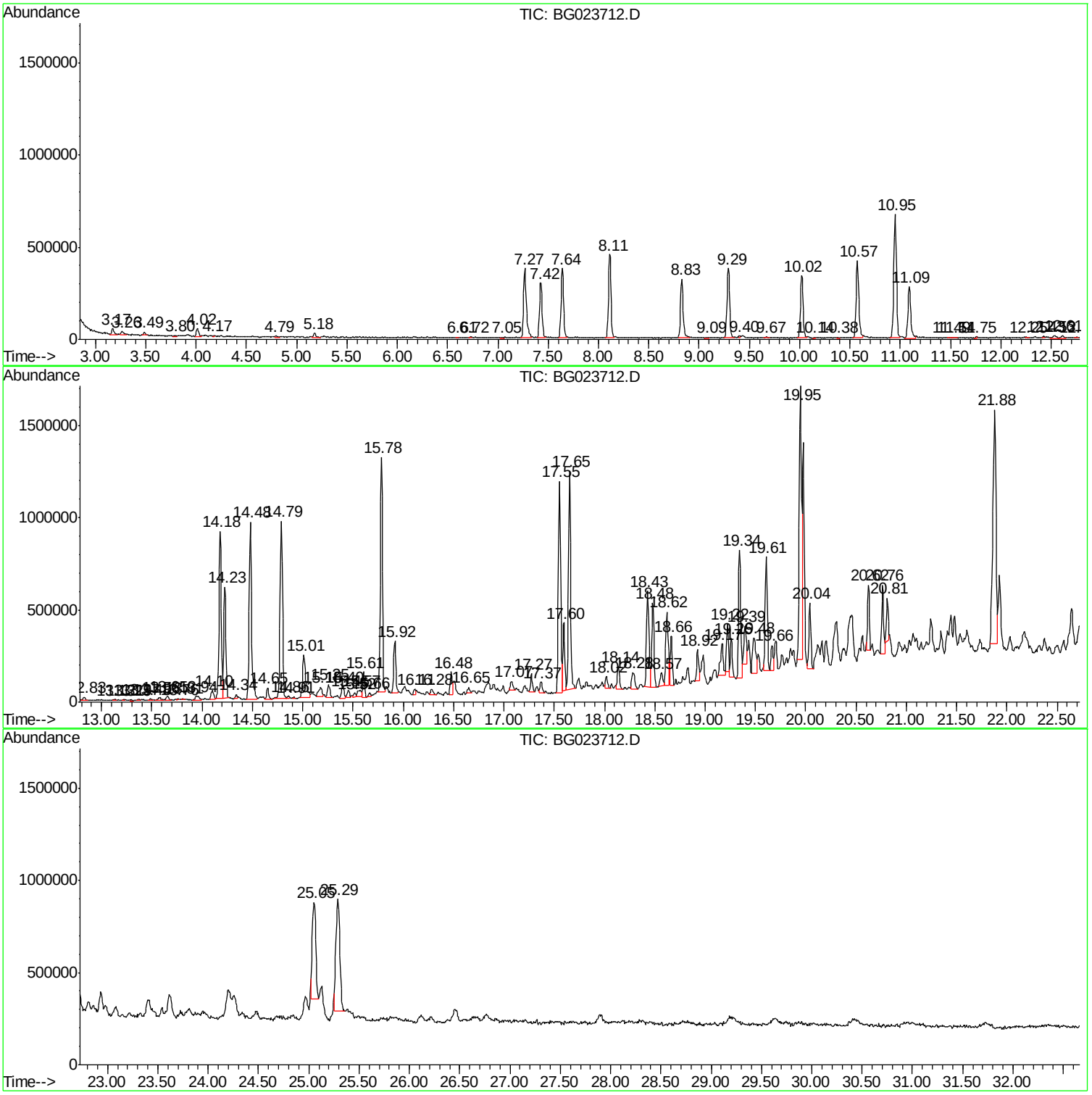
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
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Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

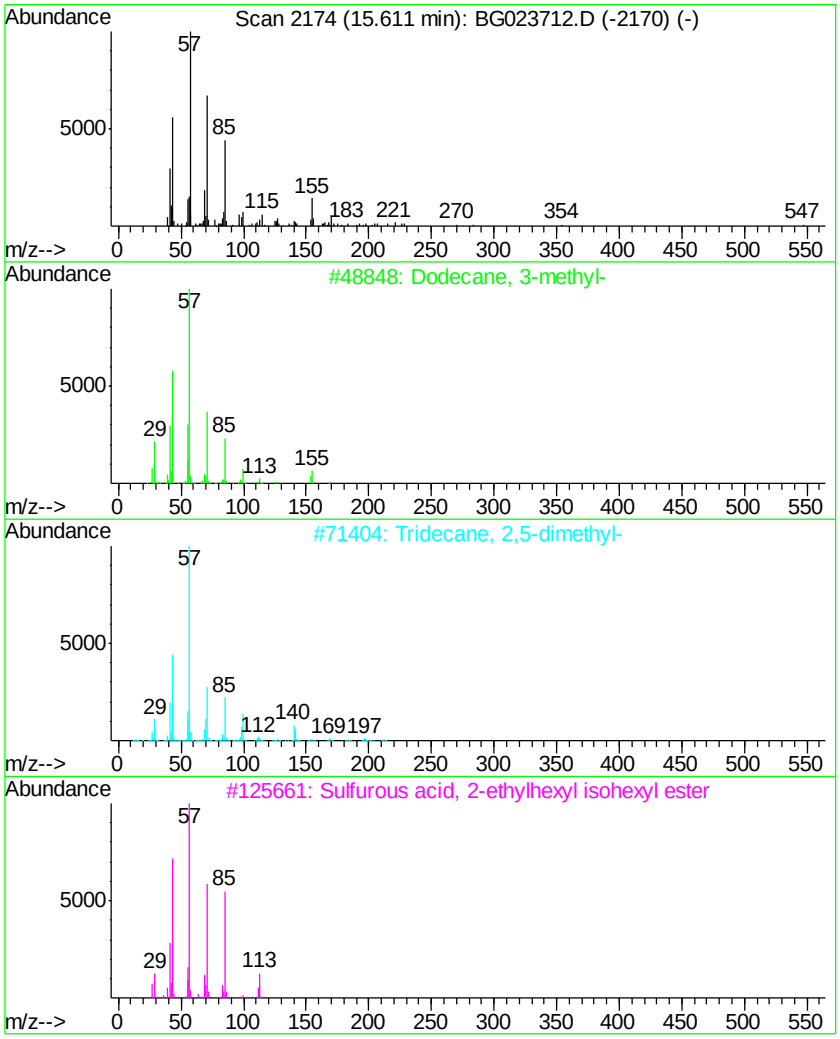
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

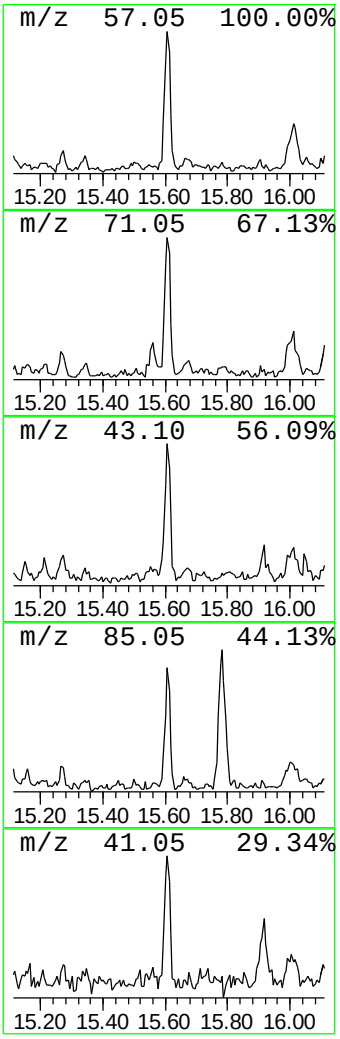
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.09 ng/ul	173757	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
2	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	53
3	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53
4	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	47
5	Undecane	156	C11H24	001120-21-4	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

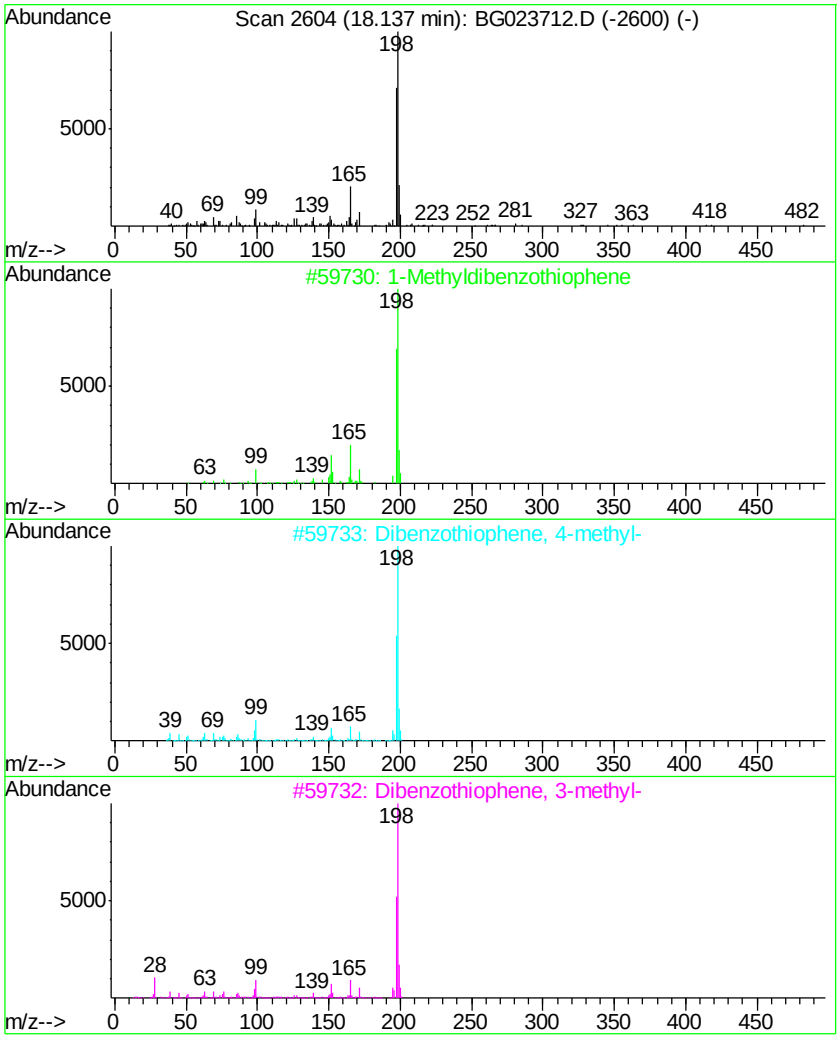
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

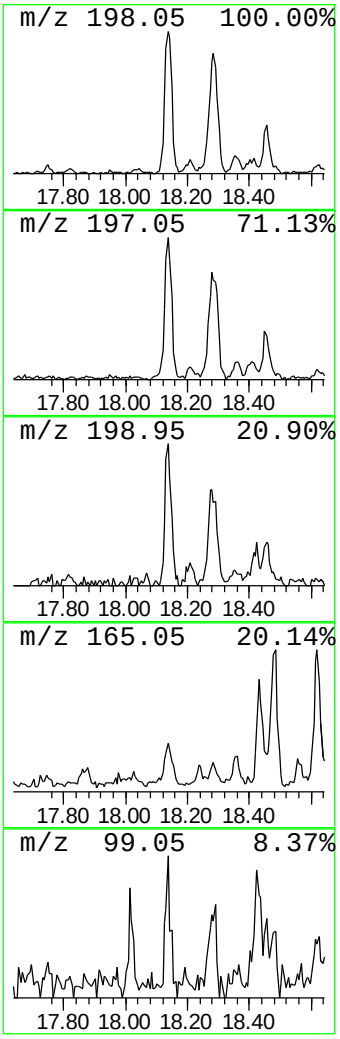
****

Peak Number 2 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.23 ng/ul	207185	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	80
4	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	64
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

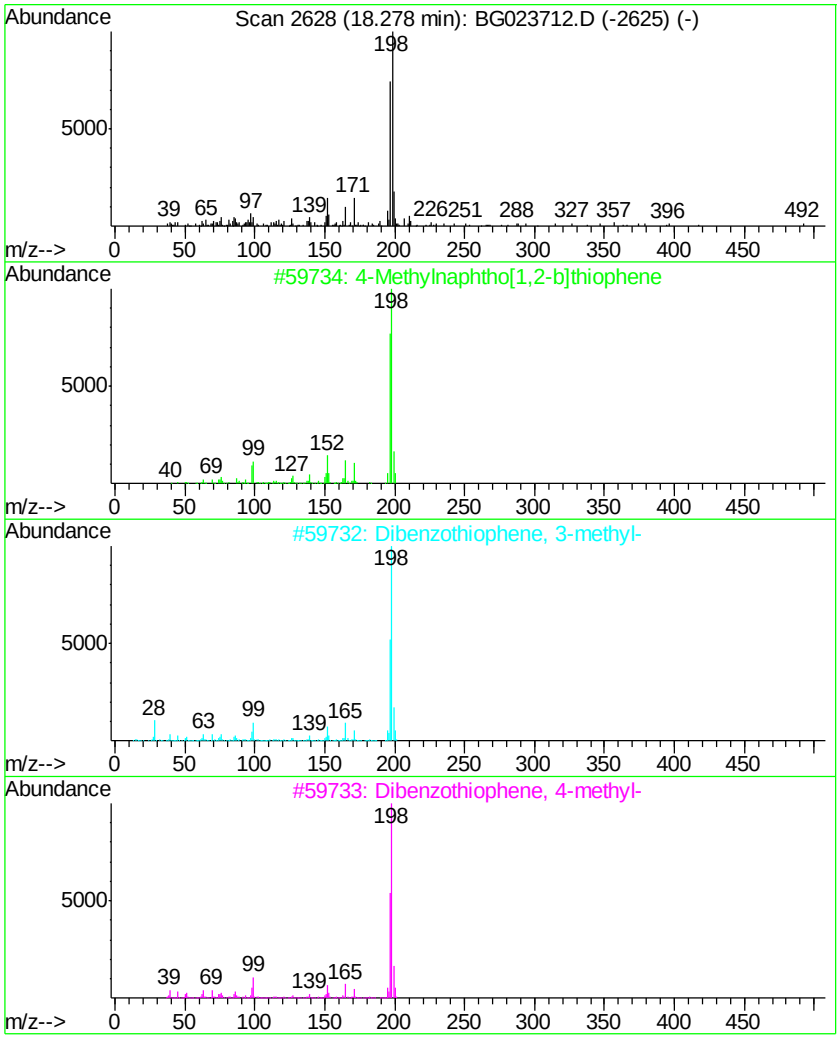
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

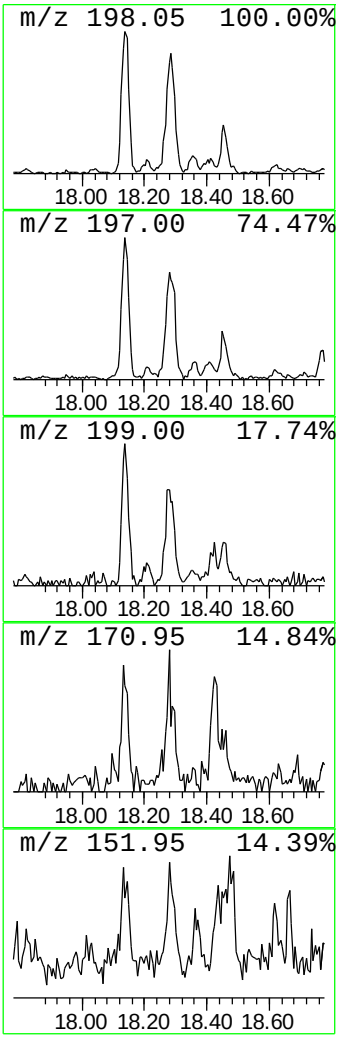
****

Peak Number 3 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	2.03 ng/ul	188213	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	86
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
5	Tacrine	198	C13H14N2	000321-64-2	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

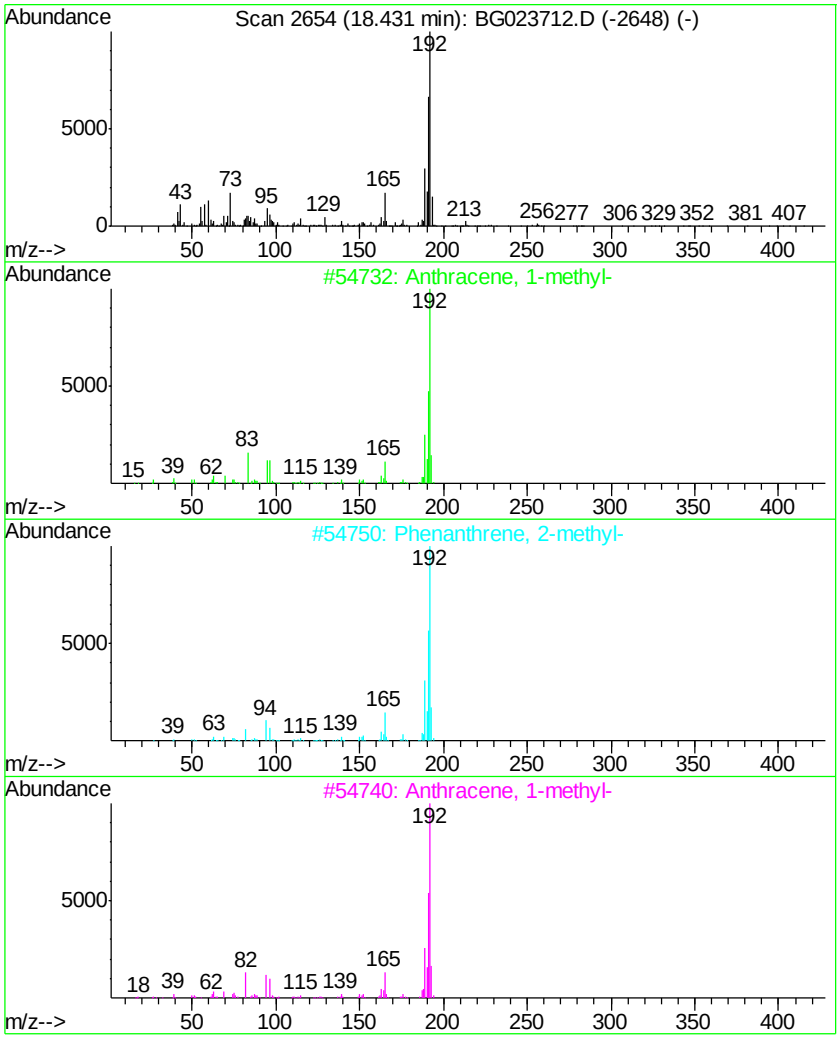
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

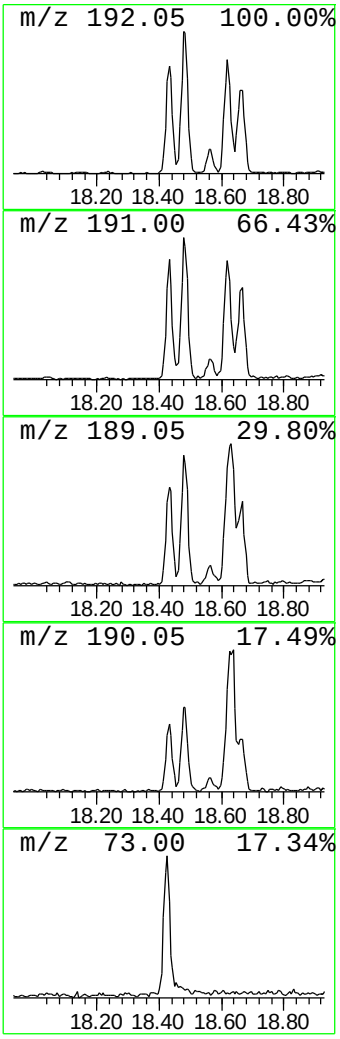
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	9.34 ng/ul	868099	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

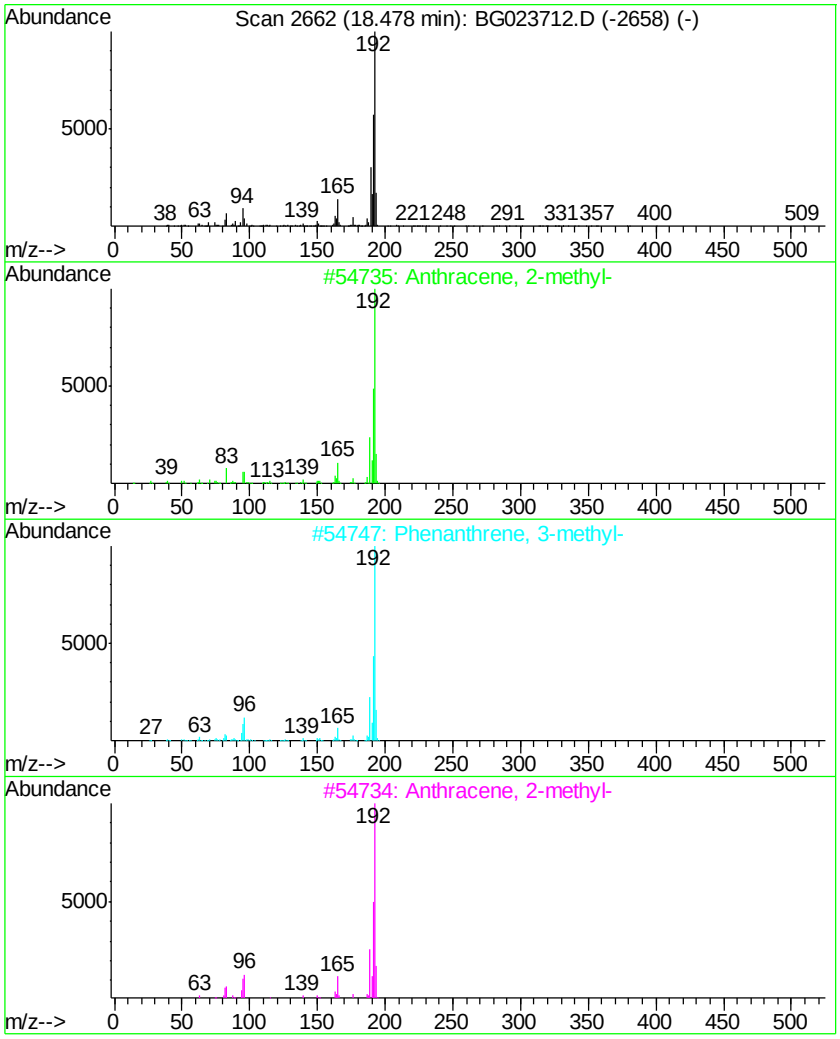
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

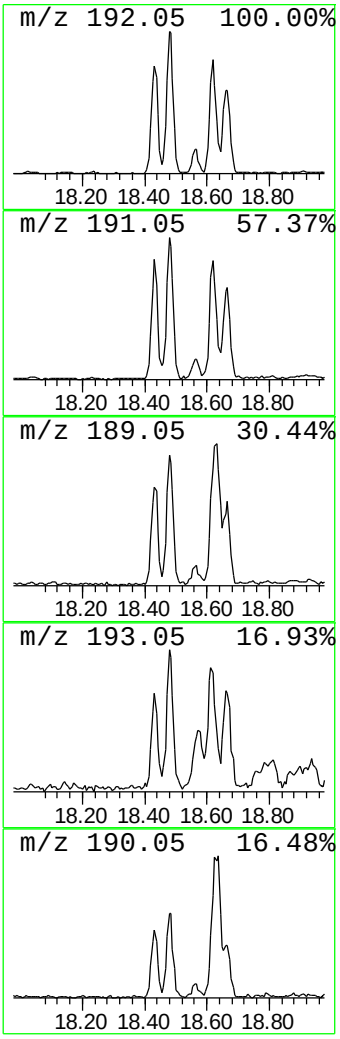
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	7.67 ng/ul	712901	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

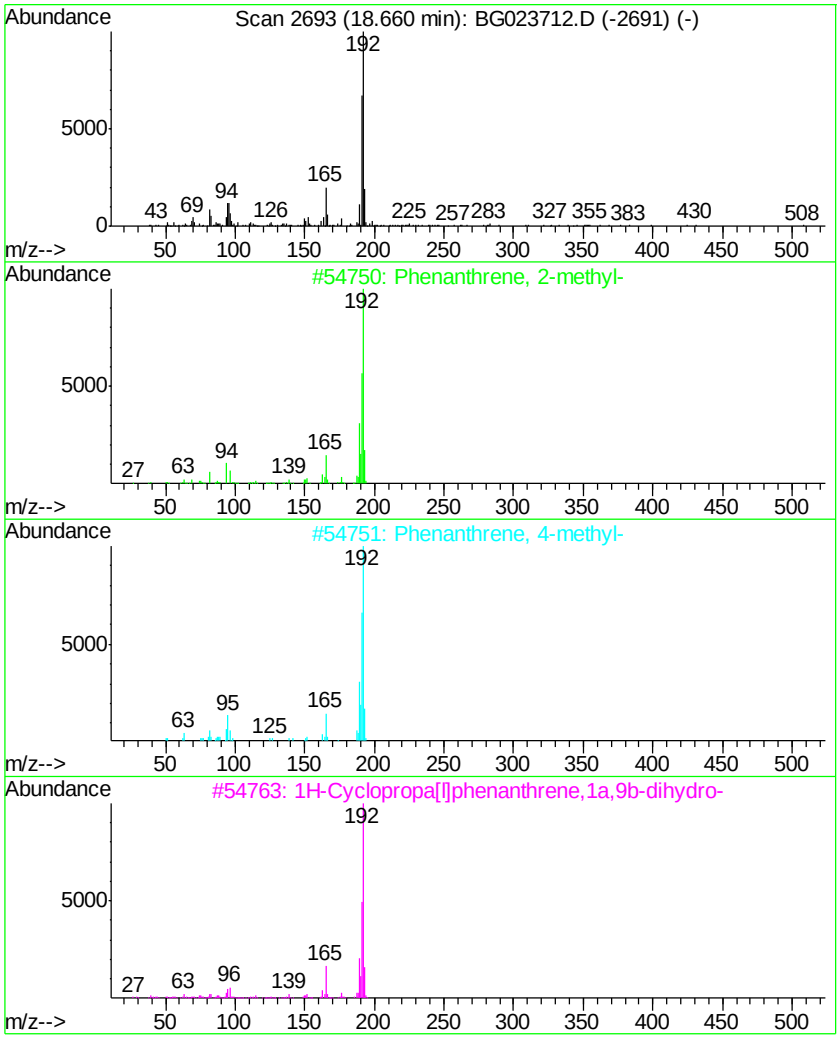
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

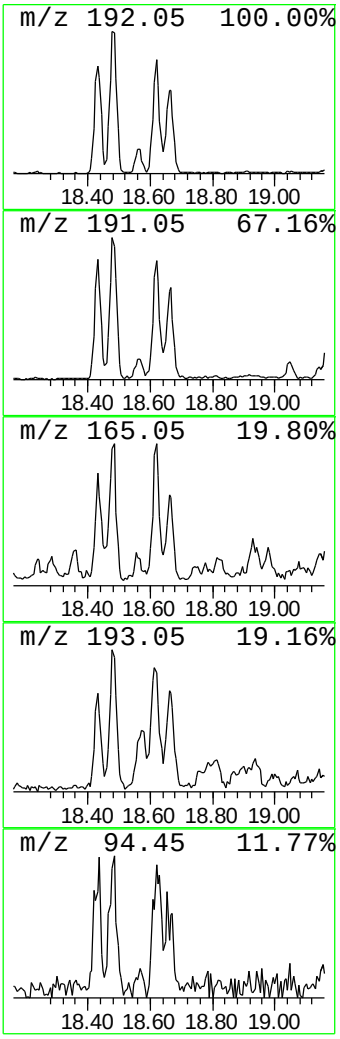
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.96 ng/ul	367738	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





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Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

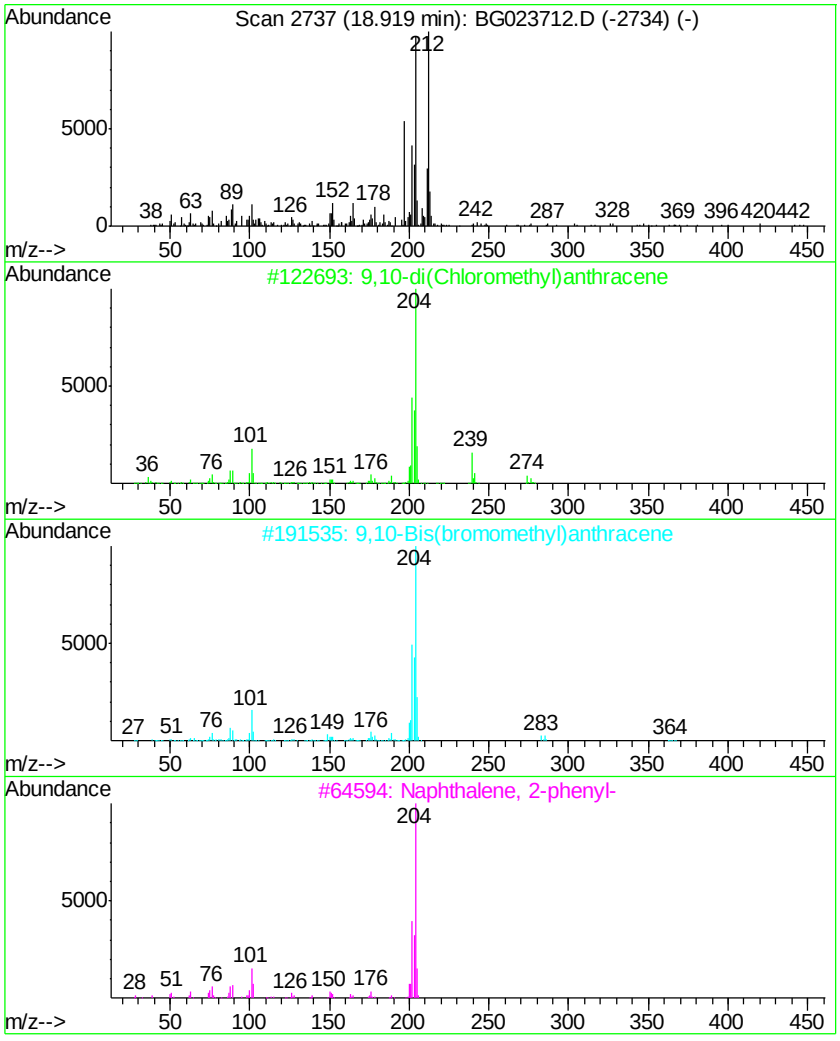
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

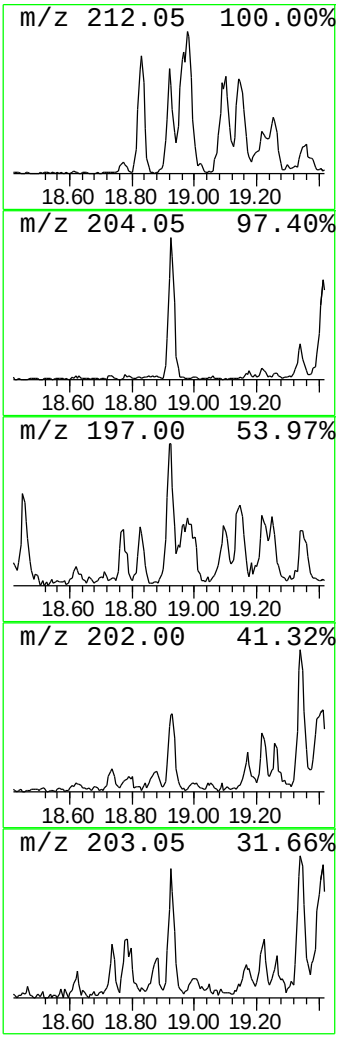
****

Peak Number 8 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.87 ng/ul	266775	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38





Library Search Compound Report

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Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

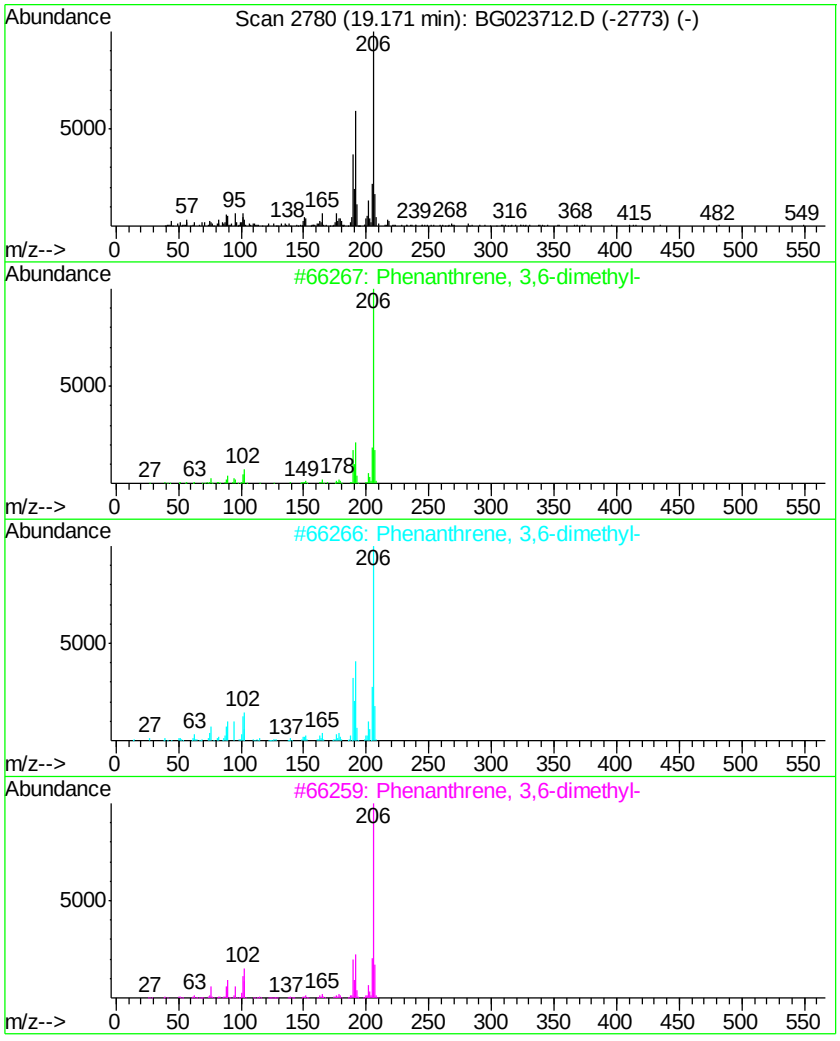
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

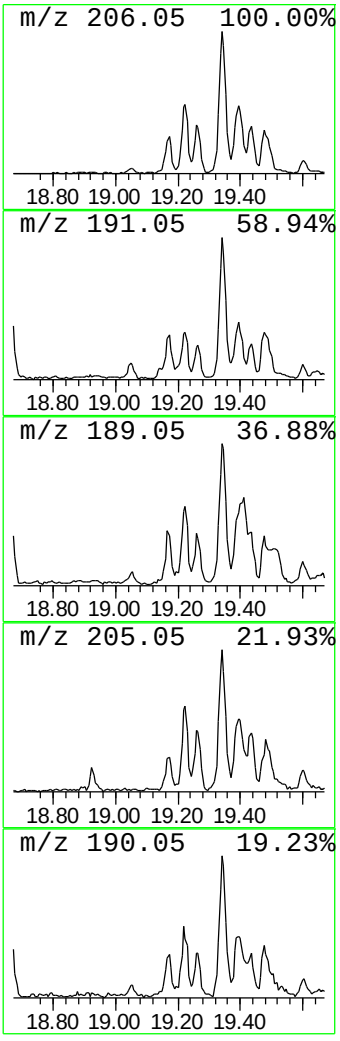
****

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	3.60 ng/ul	334310	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Library Search Compound Report

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Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId : PR002-SS001-3642-01

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Quant Title : SVOA CALIBRATION

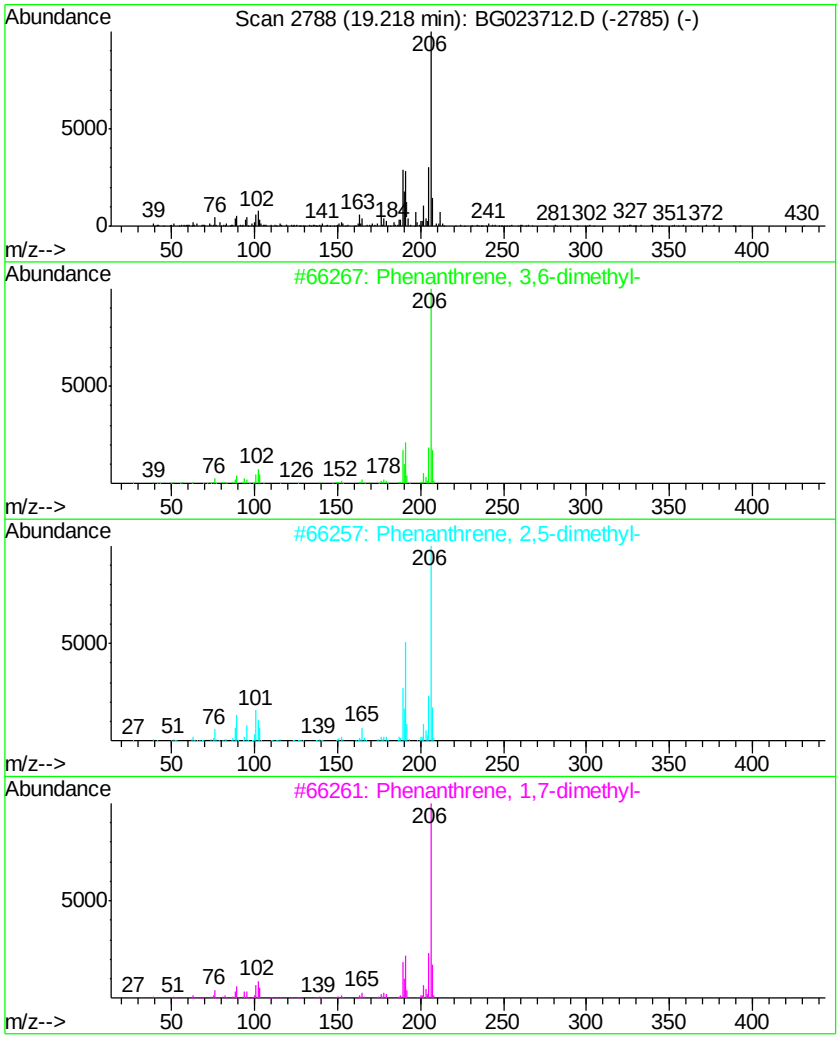
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

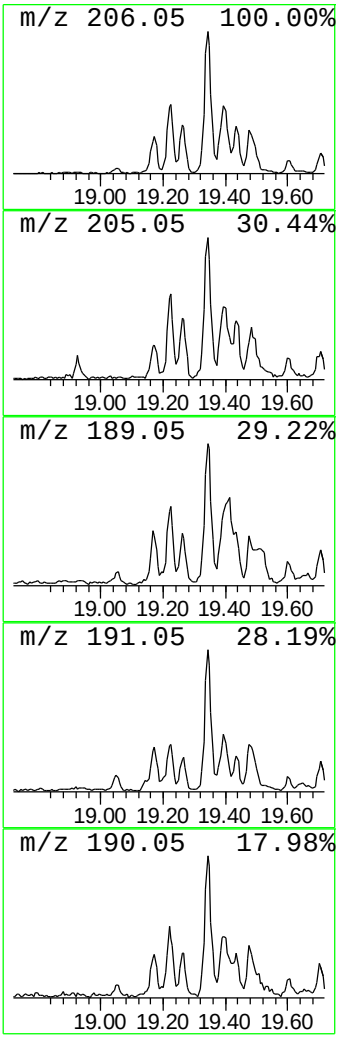
****

Peak Number 10 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.59 ng/ul	333234	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Library Search Compound Report

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Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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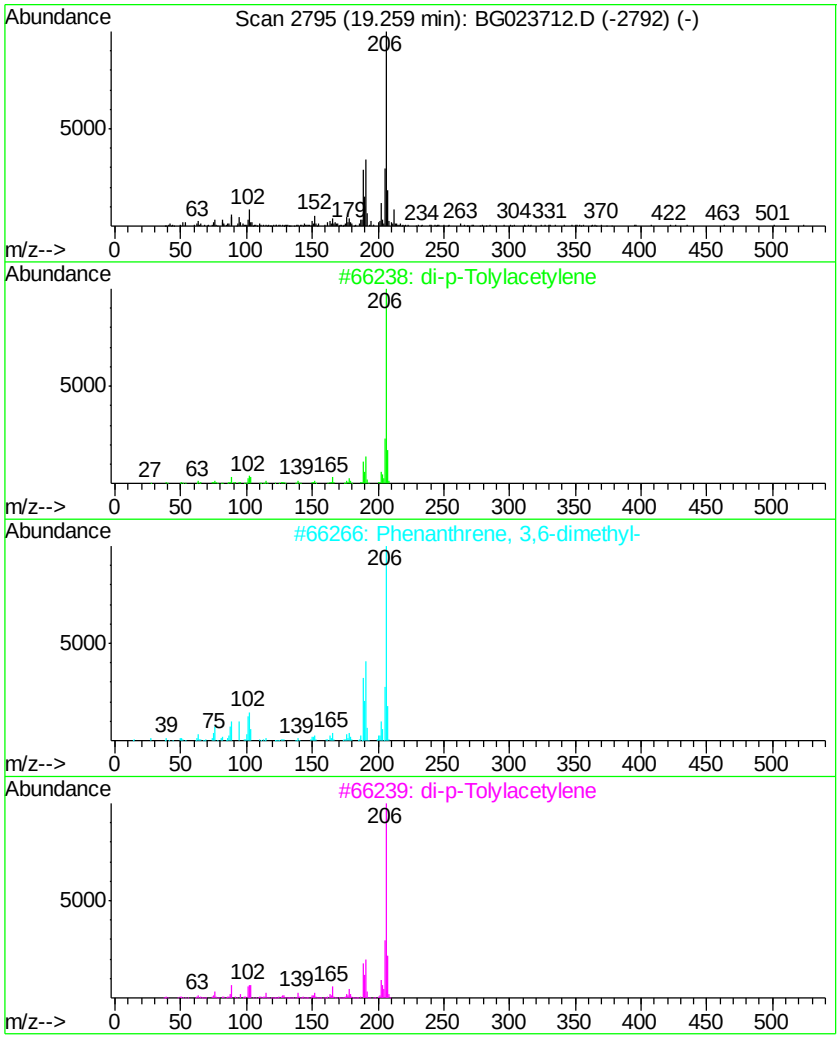
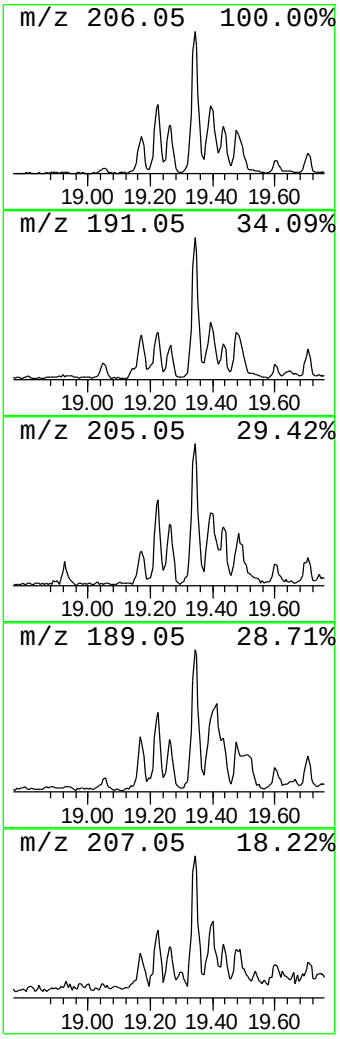
Peak Number 11 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	2.93 ng/ul	272492	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Library Search Compound Report

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Acq On : 14 Aug 2016 6:27
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Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

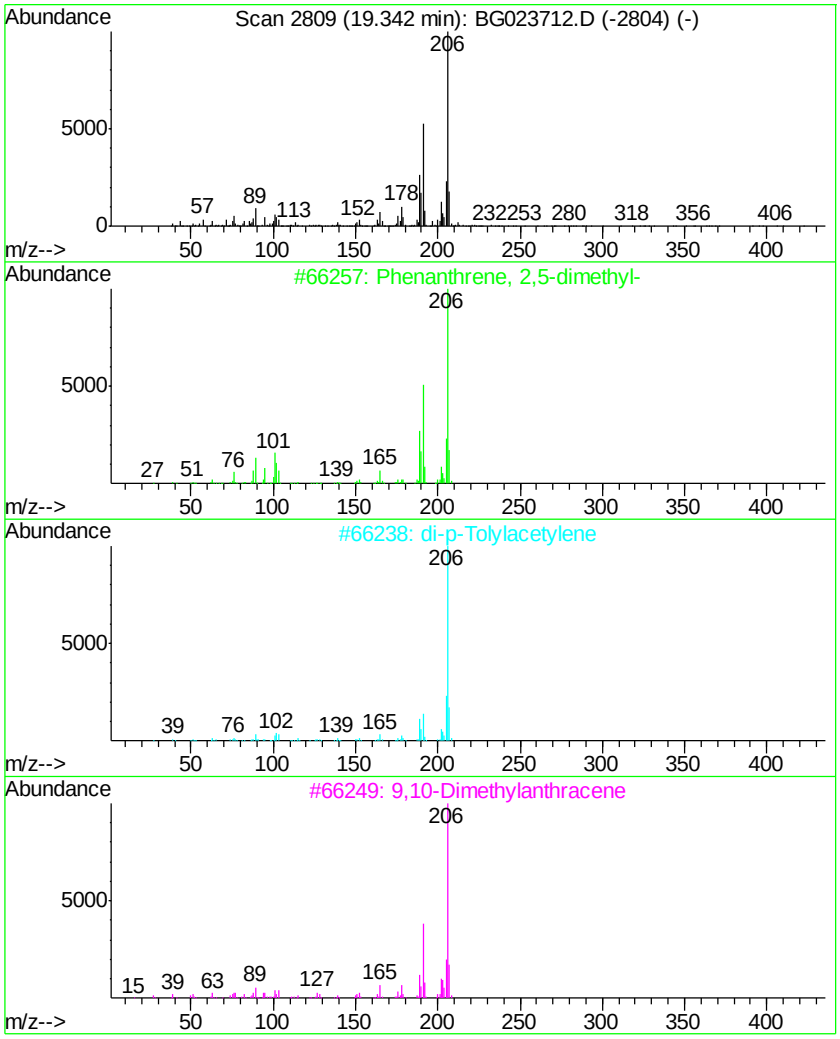
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

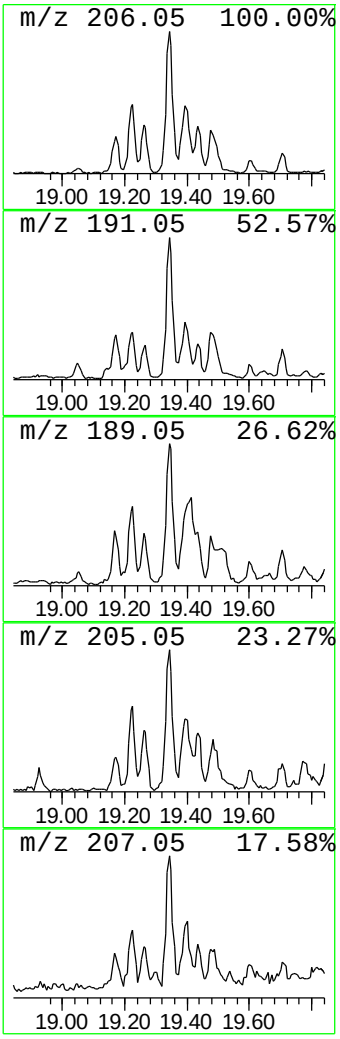
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	11.27 ng/ul	1046560	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

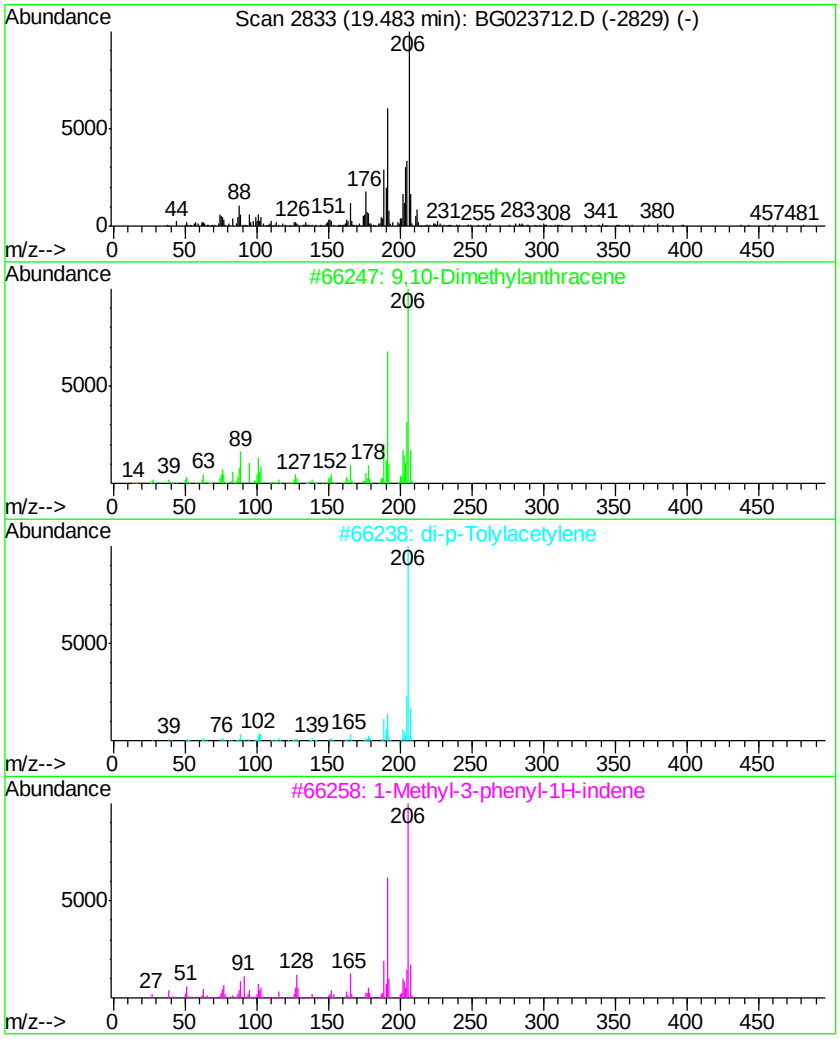
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

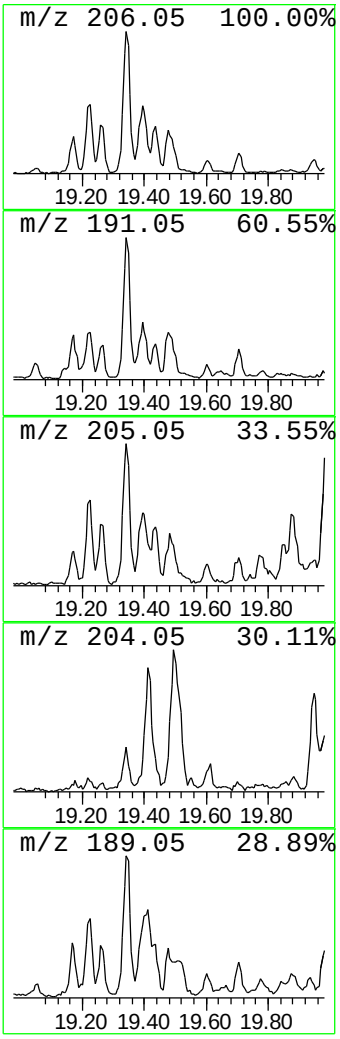
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	4.62 ng/ul	429057	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	76
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	76





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Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

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Quant Title : SVOA CALIBRATION

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

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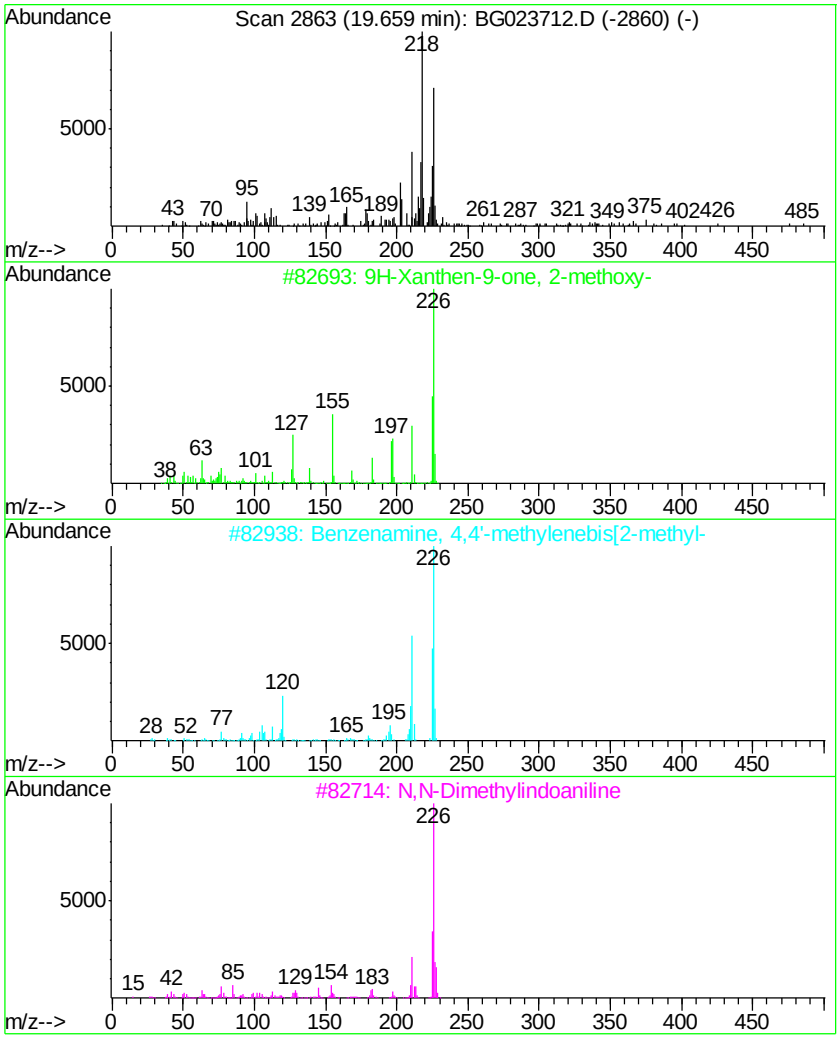
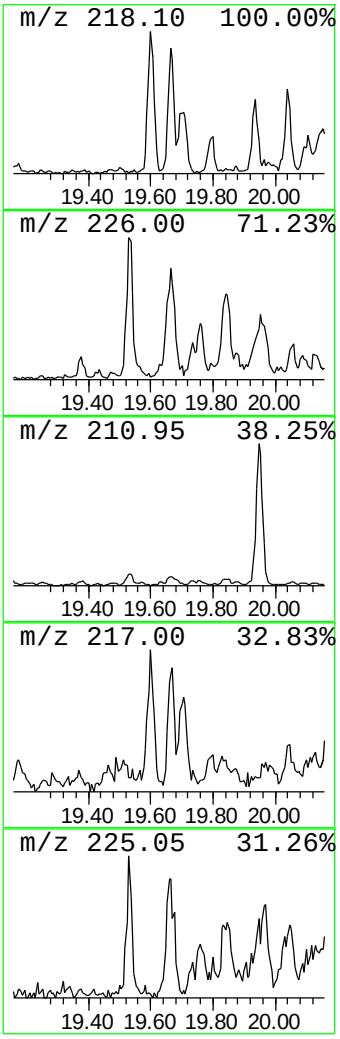
Peak Number 15 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	2.27 ng/ul	211134	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	42
2	Benzenamine, 4,4'-methylenebis[2...	226	C15H18N2	000838-88-0	41
3	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	38
4	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	38
5	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	38





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ClientSampleId : PR002-SS001-3642-01

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Quant Title : SVOA CALIBRATION

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

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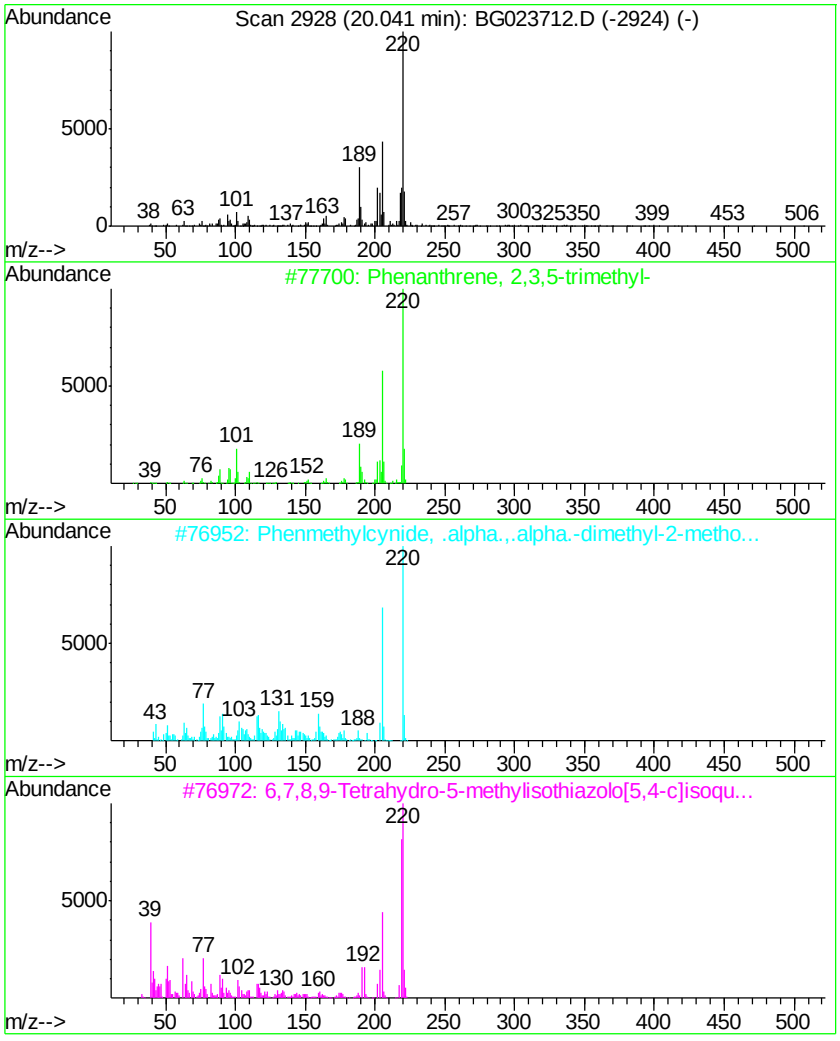
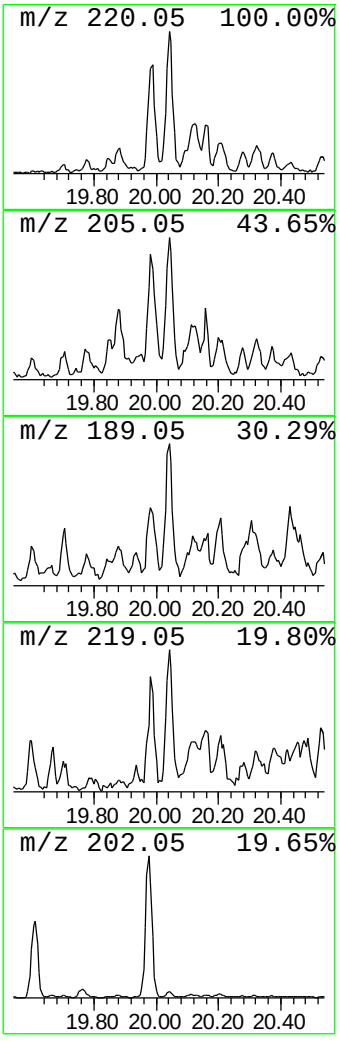
Peak Number 16 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	3.92 ng/ul	534407	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	86
2	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	50
3	6,7,8,9-Tetrahydro-5-methylisoth...	220	C11H12N2OS	339156-87-5	50
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	49
5	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	47





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Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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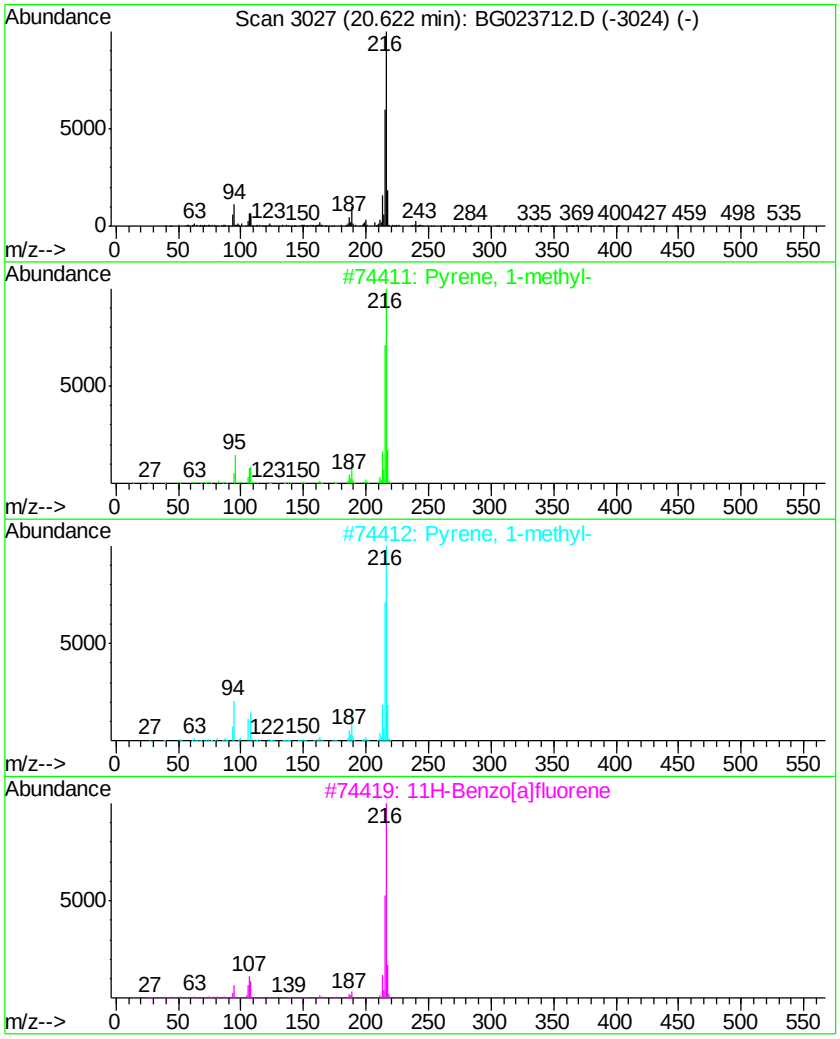
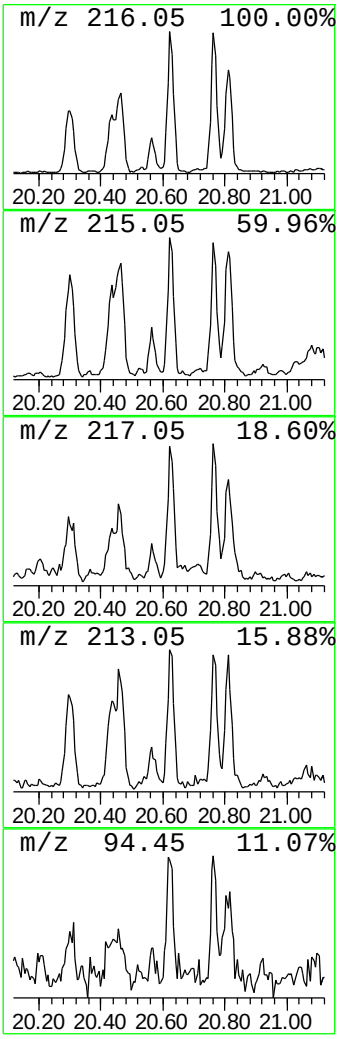
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	3.24 ng/ul	441984	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Sample : H4388-04
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Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

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Quant Title : SVOA CALIBRATION

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

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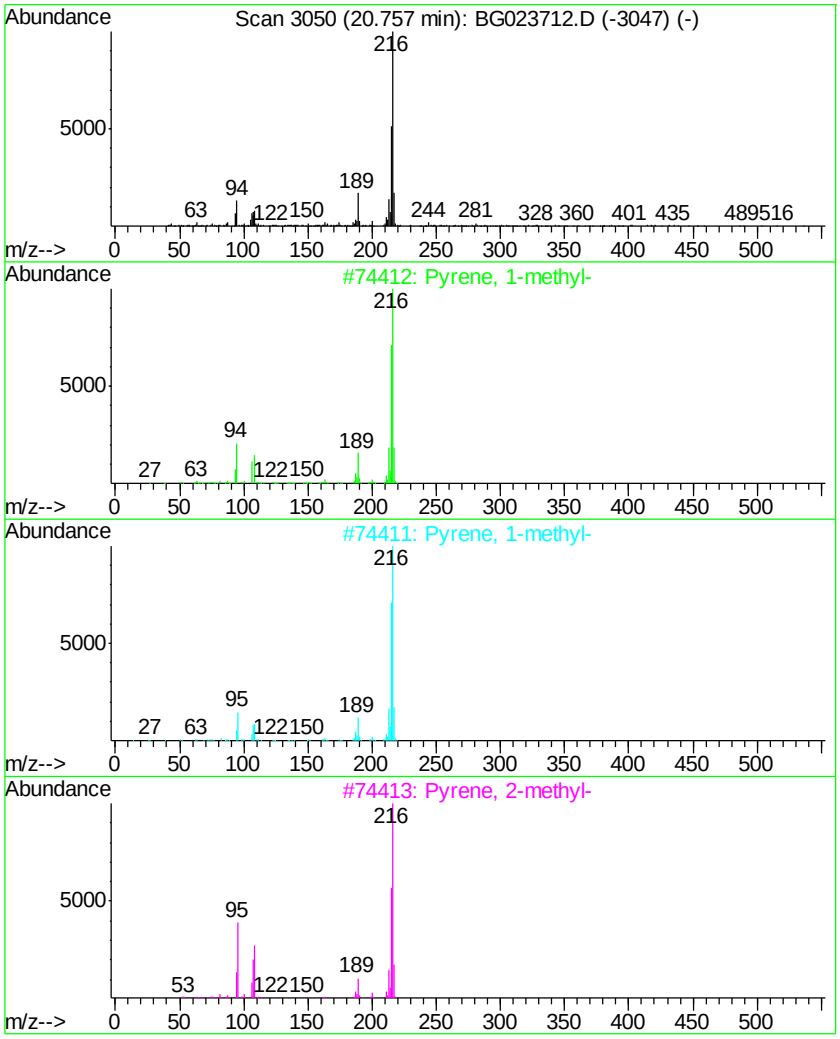
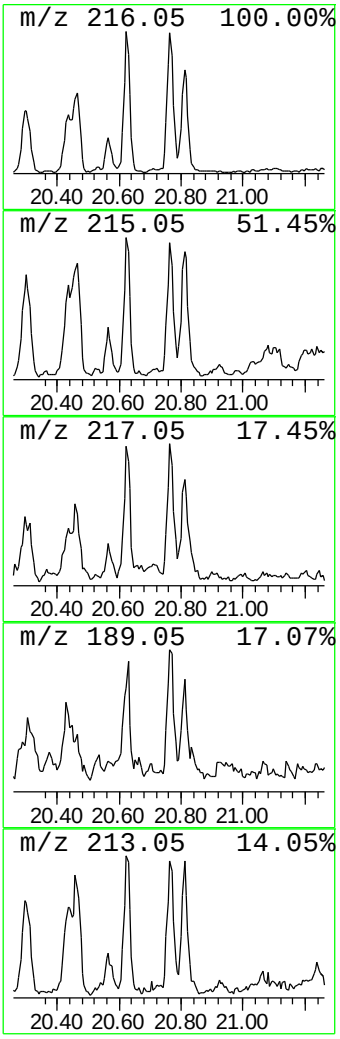
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.90 ng/ul	531069	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Tentatively Identified Compound (LSC) summary

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Data File : BG023712.D
Acq On : 14 Aug 2016 6:27
Operator : UM/SJ
Sample : H4388-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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
(DEL) Alkane: Str...	15.61	2.1	ng/ul	173757	3	14.79	1663990	20.0
1-Methyldibenzoth...	18.14	2.2	ng/ul	207185	4	17.55	1857920	20.0
4-Methylnaphtho[1...	18.28	2.0	ng/ul	188213	4	17.55	1857920	20.0
Anthracene, 1-met...	18.43	9.3	ng/ul	868099	4	17.55	1857920	20.0
Anthracene, 2-met...	18.48	7.7	ng/ul	712901	4	17.55	1857920	20.0
Phenanthrene, 2-m...	18.66	4.0	ng/ul	367738	4	17.55	1857920	20.0
unknown-01	18.92	2.9	ng/ul	266775	4	17.55	1857920	20.0
Phenanthrene, 3,6...	19.17	3.6	ng/ul	334310	4	17.55	1857920	20.0
unknown-02	19.22	3.6	ng/ul	333234	4	17.55	1857920	20.0
di-p-Tolylacetylene	19.26	2.9	ng/ul	272492	4	17.55	1857920	20.0
Phenanthrene, 2,5...	19.34	11.3	ng/ul	1046560	4	17.55	1857920	20.0
9,10-Dimethylanth...	19.48	4.6	ng/ul	429057	4	17.55	1857920	20.0
unknown-03	19.66	2.3	ng/ul	211134	4	17.55	1857920	20.0
Phenanthrene, 2,3...	20.04	3.9	ng/ul	534407	5	21.88	2724870	20.0
Pyrene, 1-methyl-	20.62	3.2	ng/ul	441984	5	21.88	2724870	20.0
Pyrene, 2-methyl-	20.76	3.9	ng/ul	531069	5	21.88	2724870	20.0