LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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	3.081	39	41	43	rBV2	6570	7641	0.20%	0.014%
2	3.175	53	57	61	rBV2	33171	42602	1.13%	0.080%
3	3.269	70	73	80	rVB4	15691	25139	0.66%	0.047%
4	3.480	107	109	114	rVB2	13135	18712	0.49%	0.035%
5	4.015	196	200	206	rVV2	35121	54837	1.45%	0.103%
6	4.085	209	212	218	rVB6	7933	12278	0.32%	0.023%
7	4.244	237	239	244	rVB5	5913	6535	0.17%	0.012%
8	5.178	393	398	404	rVB	57847	86986	2.30%	0.163%
9	5.266	408	413	416	rBV5	7685	13079	0.35%	0.025%
10	6.635	641	646	647	rVB4	4776	6232	0.16%	0.012%
11	7.269	746	754	766	rBV2	357713	700242	18.52%	1.313%
12	7.428	774	781	792	rBV	293202	503173	13.31%	0.944%
13	7.534	795	799	802	rVB5	4775	6297	0.17%	0.012%
14	7.639	810	817	824	rBV	370495	649470	17.17%	1.218%
15	7.986	873	876	879	rBV5	4641	6061	0.16%	0.011%
16	8.109	890	897	906	rVB	482094	816728	21.60%	1.532%
17	8.661	986	991	994	rBV5	5520	7545	0.20%	0.014%
18	8.826	1012	1019	1031	rBV	430048	780103	20.63%	1.463%
19	9.290	1089	1098	1108	rBV	377141	691183	18.28%	1.296%
20	9.402	1111	1117	1122	rBV8	11869	24654	0.65%	0.046%
21	9.666	1159	1162	1165	rBV4	5766	6547	0.17%	0.012%
22	10.018	1215	1222	1234	rBV	333517	614423	16.25%	1.152%
23	10.259	1261	1263	1270	rVB7	3575	6805	0.18%	0.013%
24	10.571	1308	1316	1330	rBV	423332	863101	22.82%	1.619%
25	10.947	1373	1380	1387	rBV	649977	1219656	32.25%	2.287%
26	11.088	1397	1404	1419	rBV2	233189	496826	13.14%	0.932%
27	11.328	1442	1445	1448	rBV3	4415	7465	0.20%	0.014%
28	11.746	1511	1516	1519	rBV7	6032	13889	0.37%	0.026%
29	12.039	1564	1566	1571	rVB6	5334	8341	0.22%	0.016%
30	12.427	1628	1632	1637	rBV8	9150	16813	0.44%	0.032%
31	12.533	1647	1650	1657	rVB6	13387	27156	0.72%	0.051%
32	12.609	1657	1663	1672	rBV3	29458	71557	1.89%	0.134%
33	12.826	1694	1700	1706	rBV2	36678	68142	1.80%	0.128%
34	13.126	1745	1751	1753	rBV7	5861	12671	0.34%	0.024%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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	13.361	1789	1791	1792	rBV2	8375	6770	0.18%	0.013%
36	13.373	1792	1793	1799	rVB6	9069	10427	0.28%	0.020%
37	13.614	1830	1834	1837	rBV3	9270	11169	0.30%	0.021%
38	13.655	1837	1841	1845	rVV5	19559	29336	0.78%	0.055%
39	13.960	1885	1893	1898	rVB5	31260	79250	2.10%	0.149%
40	14.019	1901	1903	1906	rBV4	6891	7613	0.20%	0.014%
41	14.101	1911	1917	1922	rBV2	89212	153165	4.05%	0.287%
42	14.178	1922	1930	1935	rVV	842497	1323506	35.00%	2.482%
43	14.225	1935	1938	1945	rVB	466307	656623	17.36%	1.231%
44	14.342	1954	1958	1961	rBV3	37134	56427	1.49%	0.106%
45	14.477	1975	1981	1995	rBV	908611	1684658	44.55%	3.160%
46	14.653	2007	2011	2015	rBV2	31695	41494	1.10%	0.078%
47	14.741	2021	2026	2027	rBV4	25598	36978	0.98%	0.069%
48	14.788	2028	2034	2041	rVV2	987399	1703980	45.06%	3.196%
49	14.853	2041	2045	2051	rVB5	38007	74561	1.97%	0.140%
50	14.912	2051	2055	2061	rBV9	11487	24073	0.64%	0.045%
51	15.012	2064	2072	2083	rBV	234430	559453	14.79%	1.049%
52	15.182	2097	2101	2107	rVB3	78661	129685	3.43%	0.243%
53	15.258	2109	2114	2119	rVB2	84436	129708	3.43%	0.243%
54	15.399	2131	2138	2144	rBV4	74155	149658	3.96%	0.281%
55	15.458	2144	2148	2152	rVB	47660	71988	1.90%	0.135%
56	15.570	2160	2167	2170	rBV5	57226	128380	3.39%	0.241%
57	15.605	2170	2173	2178	rVB	104735	136082	3.60%	0.255%
58	15.664	2179	2183	2187	rBV	33596	53460	1.41%	0.100%
59	15.705	2187	2190	2192	rBV4	17776	19374	0.51%	0.036%
60	15.781	2197	2203	2209	rVV	1196823	1804174	47.71%	3.384%
61	15.834	2209	2212	2220	rVB5	101262	186109	4.92%	0.349%
62	15.916	2221	2226	2232	rBV2	284248	474445	12.55%	0.890%
63	16.281	2284	2288	2296	rVB4	51750	103224	2.73%	0.194%
64	16.474	2317	2321	2324	rBV	87886	142313	3.76%	0.267%
65	16.897	2389	2393	2399	rBV	59715	91441	2.42%	0.171%
66	17.203	2441	2445	2451	rBV4	105557	167912	4.44%	0.315%
67	17.273	2453	2457	2462	rVB3	87423	119762	3.17%	0.225%
68	17.367	2469	2473	2478	rVB	150326	212443	5.62%	0.398%
69	17.420	2478	2482	2486	rBV3	105707	149925	3.96%	0.281%
70	17.485	2490	2493	2498	rVB5	56770	77374	2.05%	0.145%
71	17.549	2499	2504	2508	rBV2	1171163	1829738	48.38%	3.432%

LSC Area Percent Report

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Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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	17.596	2508	2512	2517	rVV	1525492	2320096	61.35%	4.351%
73	17.649	2517	2521	2531	rVB2	1117669	1844779	48.78%	3.460%
74	17.961	2571	2574	2580	rBV4	61037	123188	3.26%	0.231%
75	18.137	2600	2604	2611	rVB	248692	397198	10.50%	0.745%
76	18.284	2625	2629	2637	rVB2	135932	295902	7.82%	0.555%
77	18.360	2639	2642	2647	rVV5	110142	172151	4.55%	0.323%
78	18.431	2648	2654	2658	rVV2	1013973	1715832	45.37%	3.218%
79	18.478	2658	2662	2669	rVB	913478	1439502	38.06%	2.700%
80	18.560	2673	2676	2681	rVV2	95785	140438	3.71%	0.263%
81	18.619	2681	2686	2691	rVV4	714573	1390032	36.76%	2.607%
82	18.660	2691	2693	2699	rVB	554337	741847	19.62%	1.391%
83	18.924	2734	2738	2742	rBV	345521	479290	12.67%	0.899%
84	18.977	2743	2747	2755	rVB2	430026	684812	18.11%	1.284%
85	19.147	2772	2776	2777	rBV2	134068	167496	4.43%	0.314%
86	19.171	2777	2780	2784	rVV	271110	372029	9.84%	0.698%
87	19.224	2785	2789	2792	rVV	396500	498549	13.18%	0.935%
88	19.259	2792	2795	2800	rVB2	276075	368453	9.74%	0.691%
89	19.341	2804	2809	2814	rBV	880832	1416095	37.45%	2.656%
90	19.488	2829	2834	2840	rBV4	335963	782810	20.70%	1.468%
91	19.611	2850	2855	2860	rVB	2026307	3034230	80.23%	5.691%
92	19.758	2877	2880	2884	rBV	209662	278694	7.37%	0.523%
93	19.946	2907	2912	2914	rBV2	1467821	2161153	57.15%	4.053%
94	19.976	2914	2917	2924	rVB	2438637	3587205	94.85%	6.728%
95	20.040	2924	2928	2934	rVB2	443112	654803	17.31%	1.228%
96	20.622	3024	3027	3031	rVB	553321	730140	19.31%	1.369%
97	20.763	3048	3051	3055	rBV	503705	677624	17.92%	1.271%
98	20.810	3056	3059	3068	rVB2	430586	738521	19.53%	1.385%
99	21.873	3233	3240	3246	rBV2	1445990	3781780	100.00%	7.093%
100	21.926	3246	3249	3261	rVB	1029771	1795957	47.49%	3.368%

Sum of corrected areas: 53320173

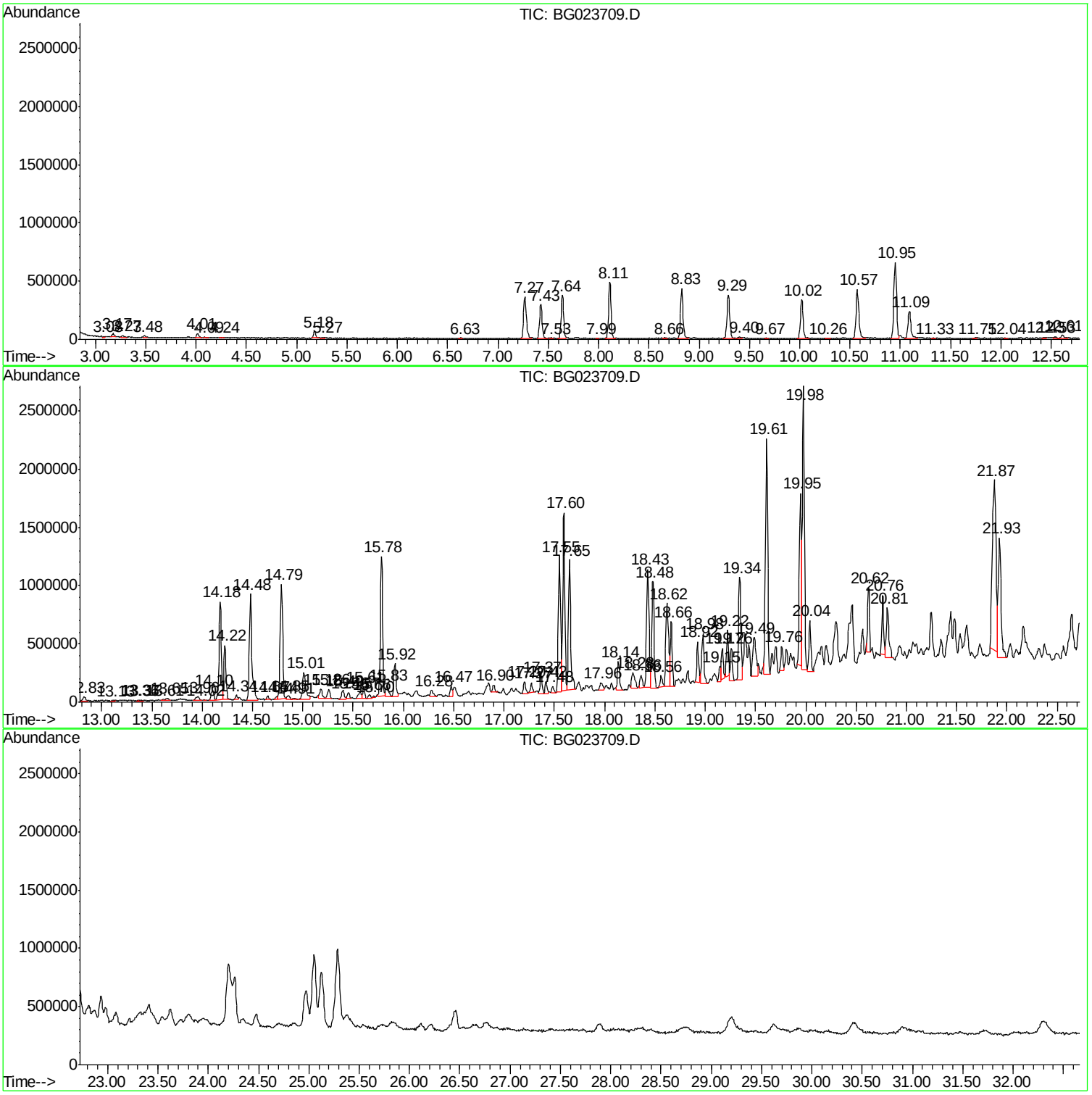
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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 : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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

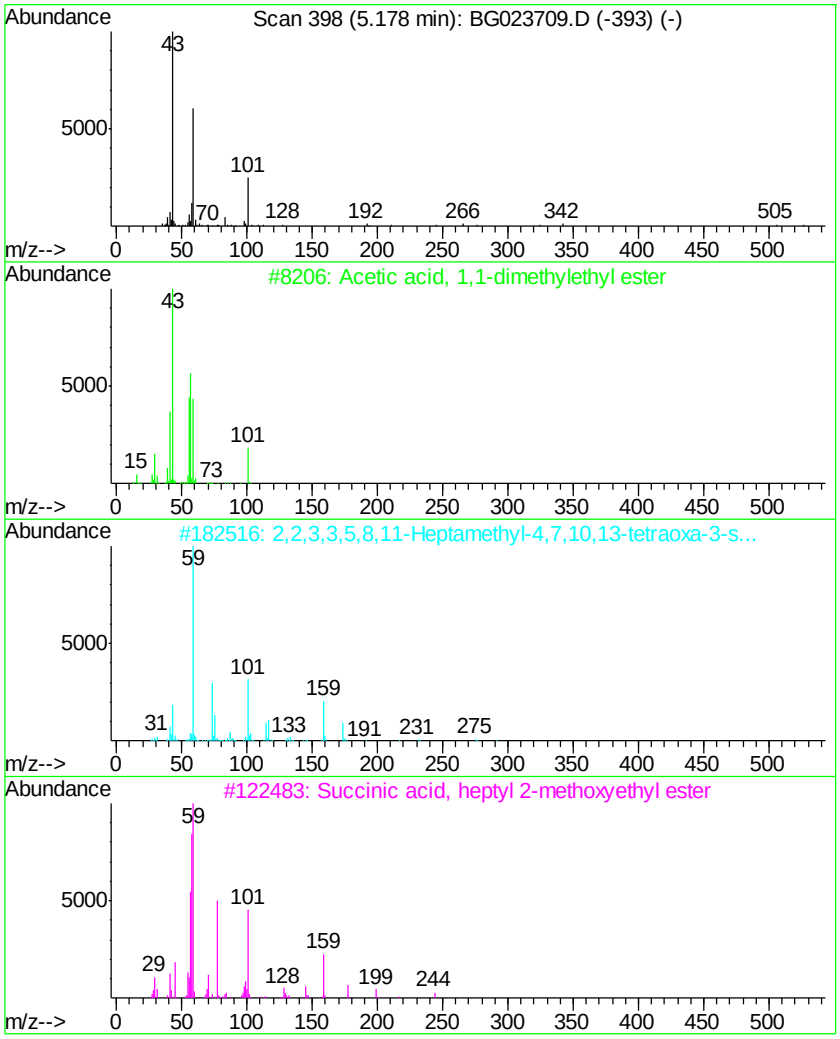
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

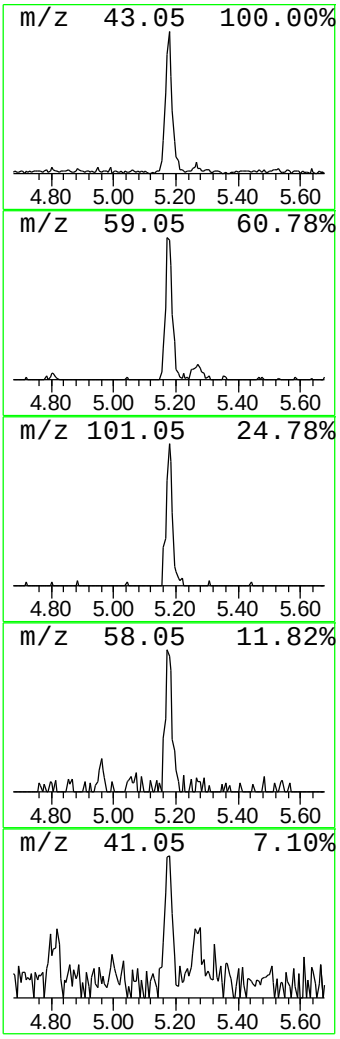
****

Peak Number 1 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	2.13 ng/ul	86986	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
2	2,2,3,3,5,8,11-Heptamethyl-4,7,1...	348	C18H40O4Si	1000367-07-2	33
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	30
4	3-Pentanol	88	C5H12O	000584-02-1	25
5	3-Hexanol	102	C6H14O	000623-37-0	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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

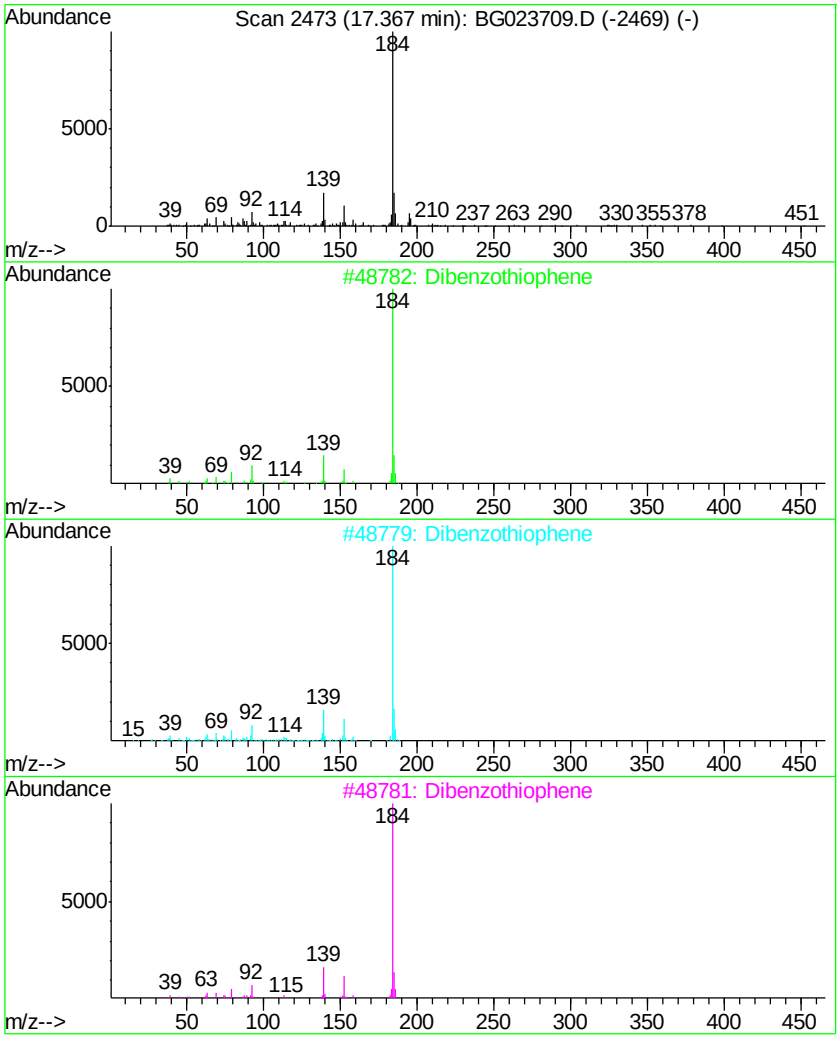
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

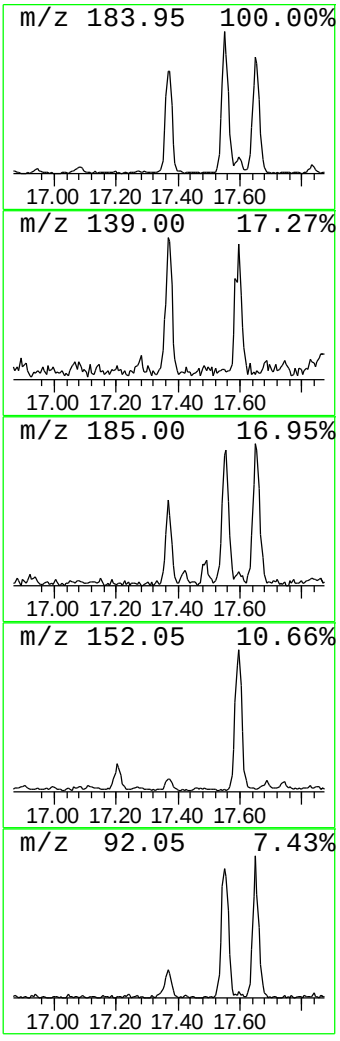
****

Peak Number 2 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	2.32 ng/ul	212443	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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

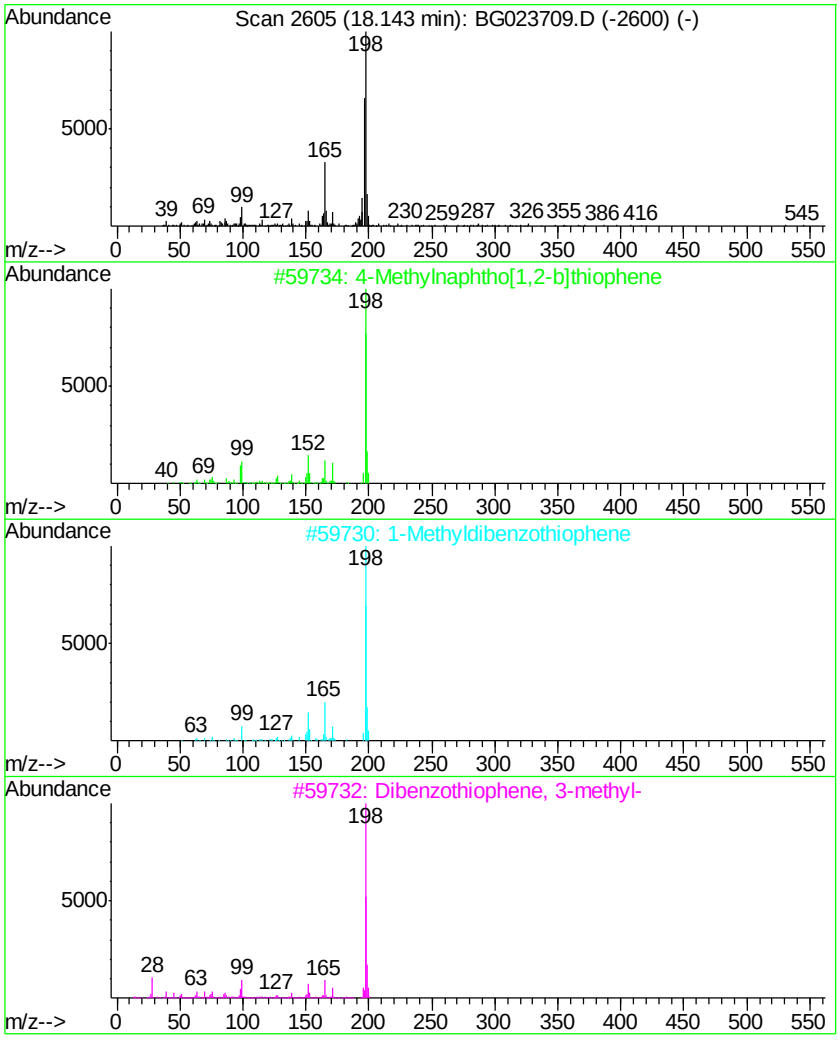
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

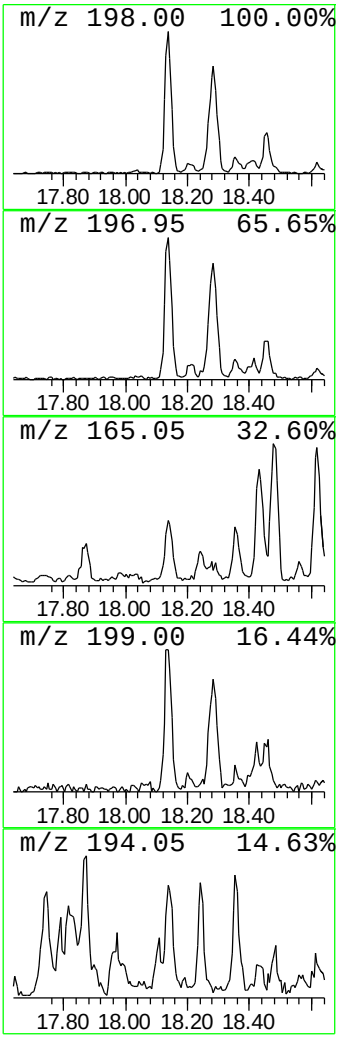
****

Peak Number 3 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	4.34 ng/ul	397198	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	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	74
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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

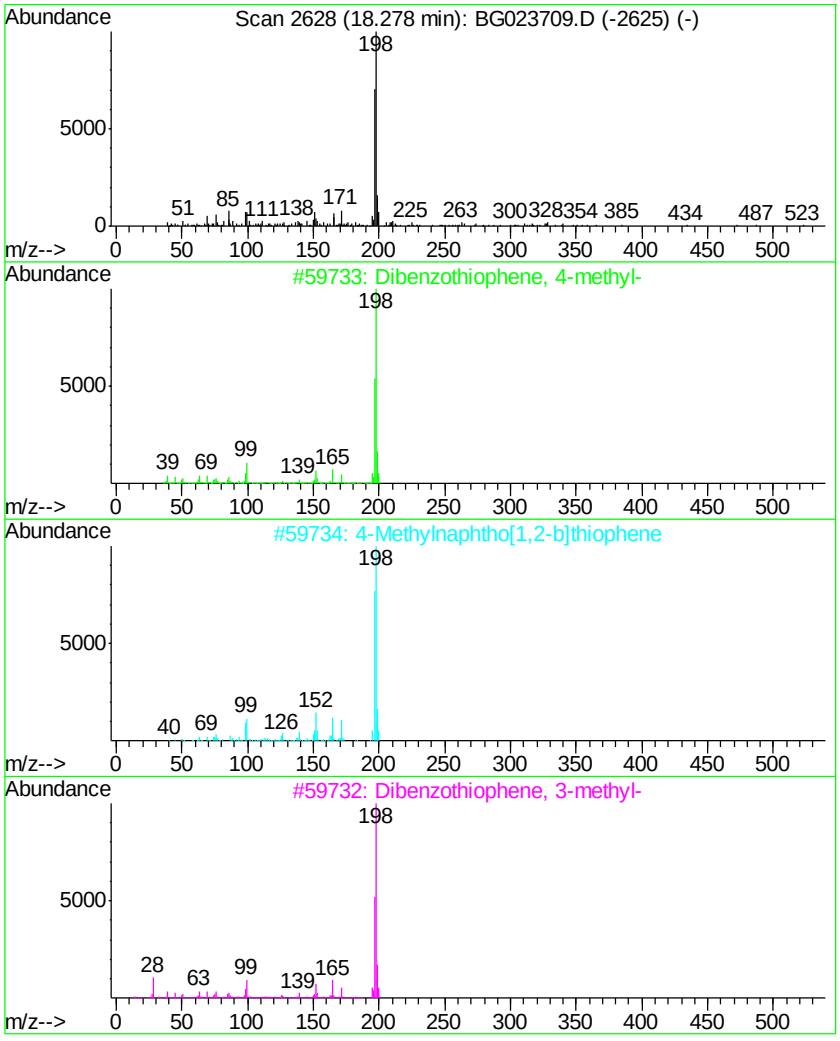
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

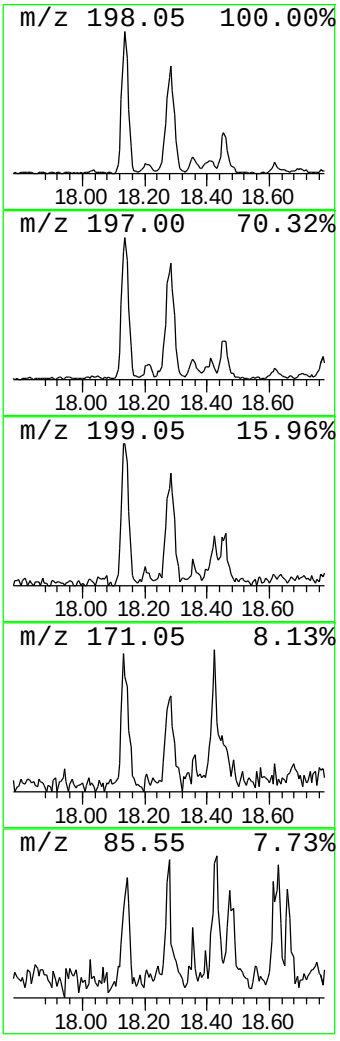
****

Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.23 ng/ul	295902	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	80
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	78
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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

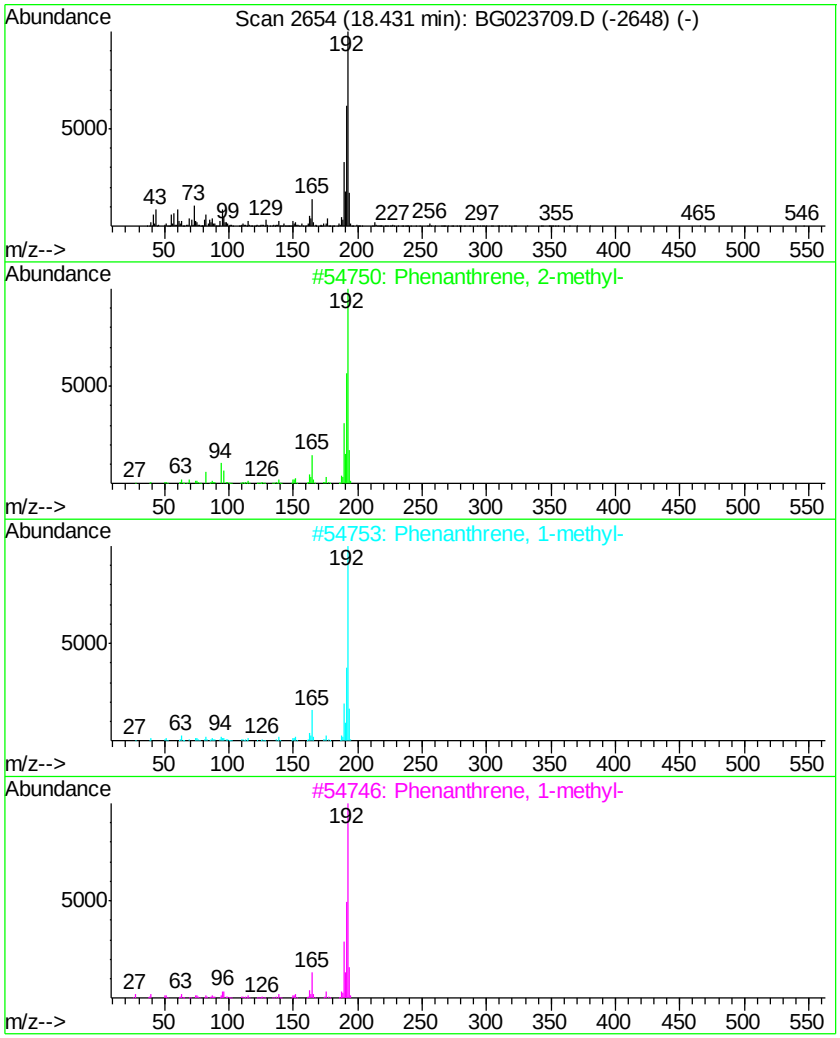
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

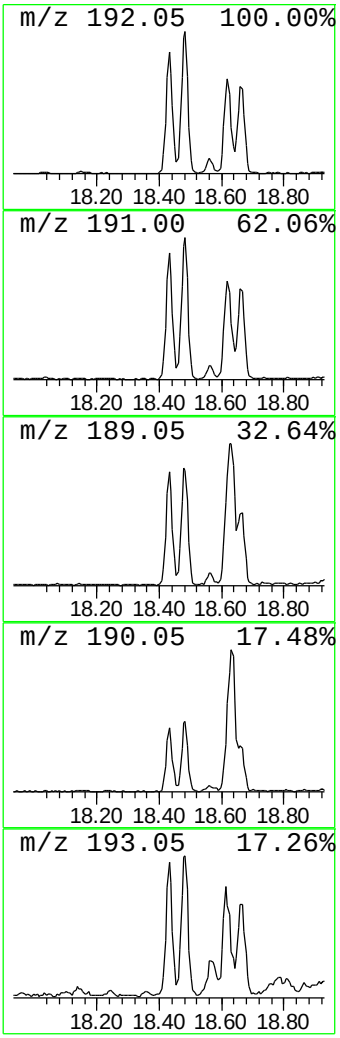
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	18.75 ng/ul	1715830	Phenanthrene-d10	17.55

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





Library Search Compound Report

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Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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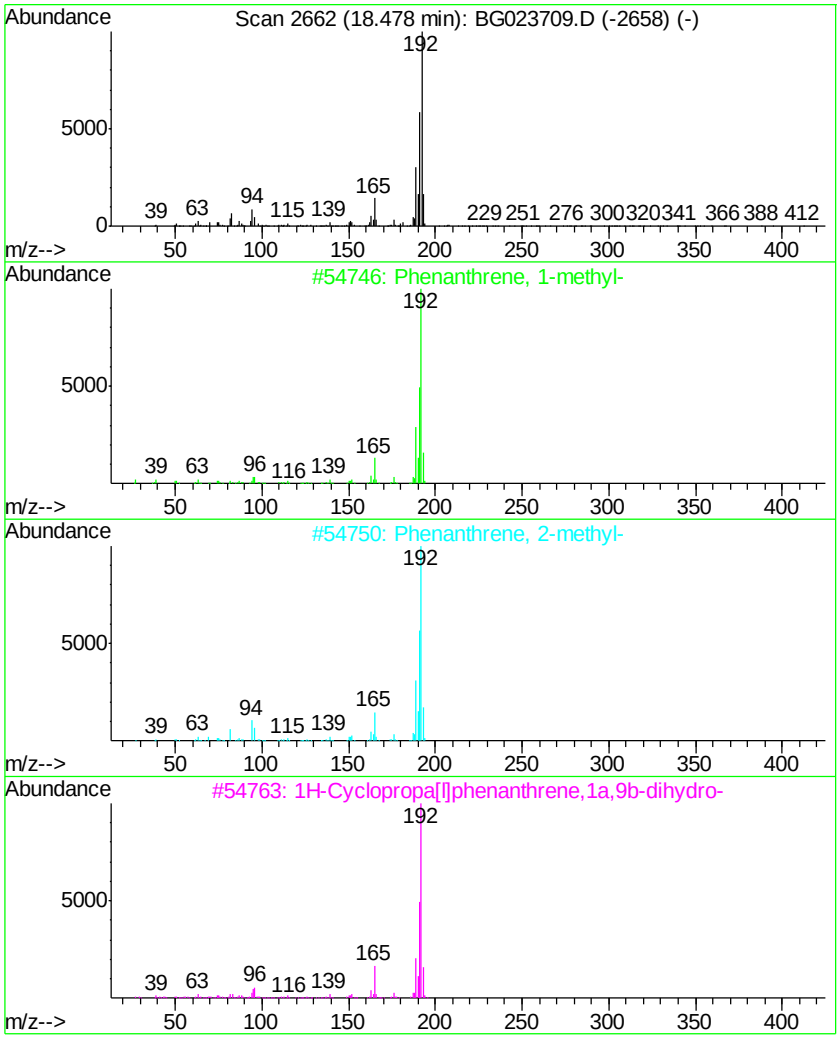
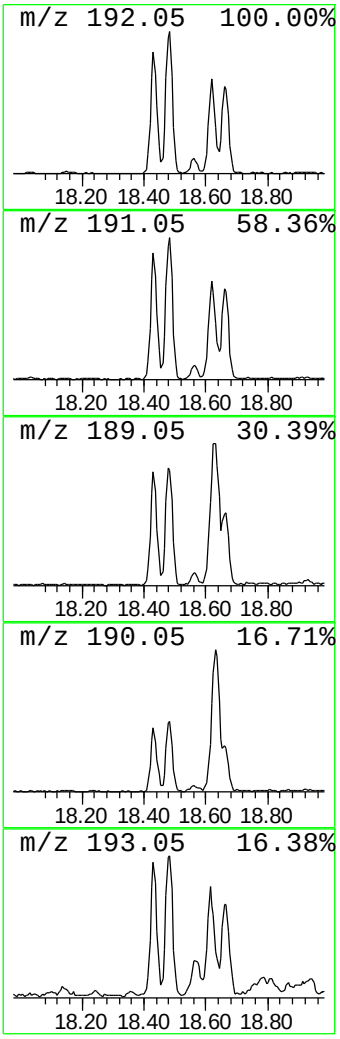
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	15.73 ng/ul	1439500	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Library Search Compound Report

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Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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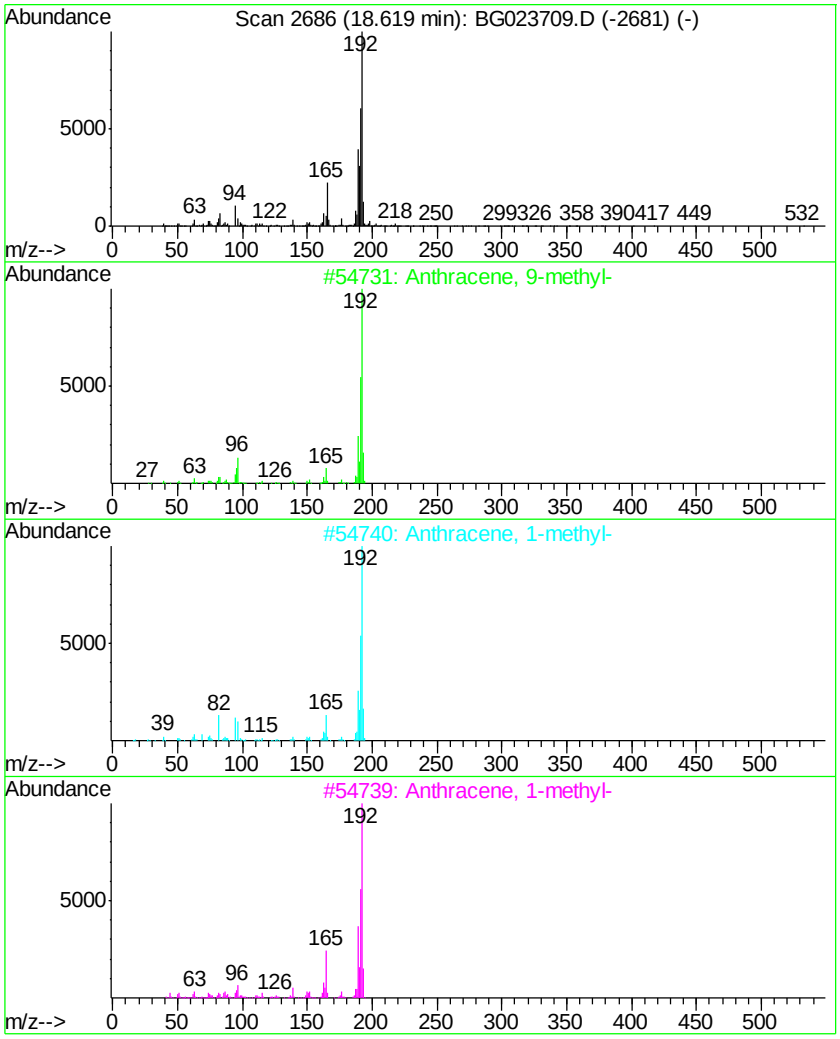
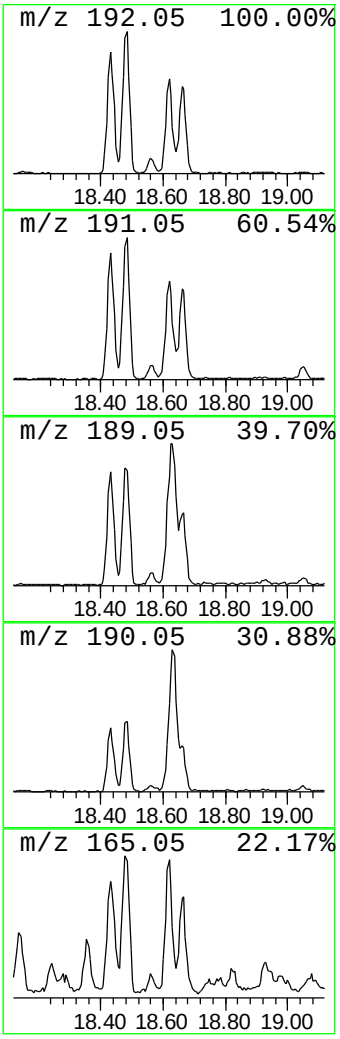
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	15.19 ng/ul	1390030	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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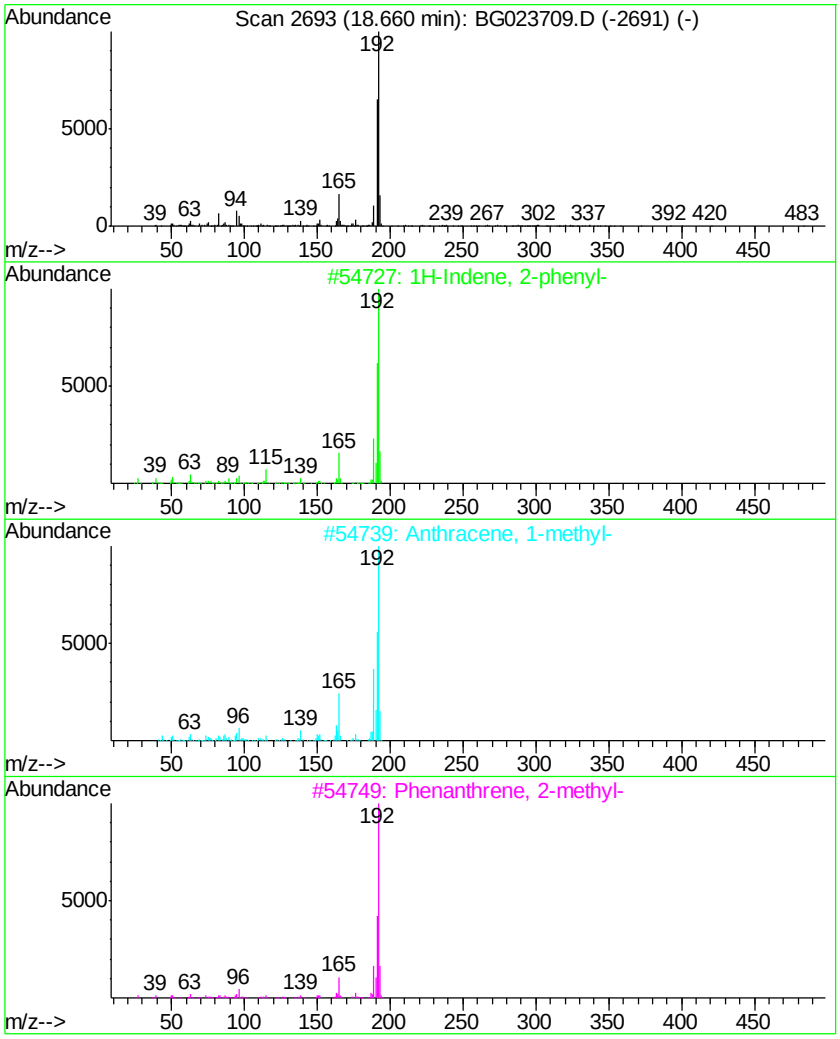
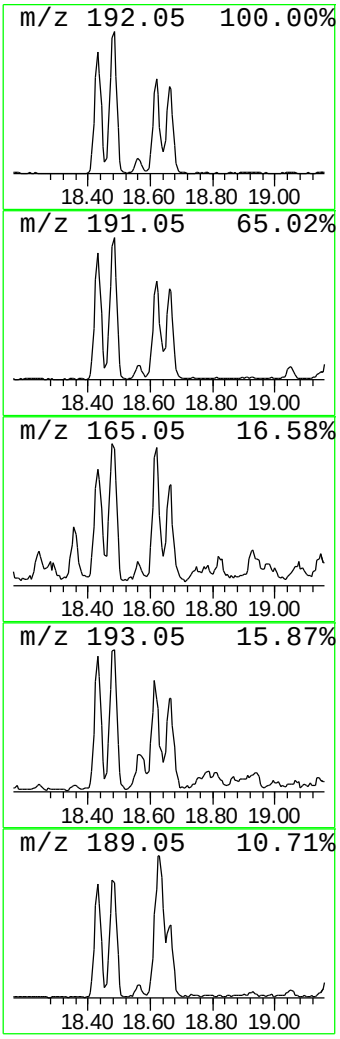
Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	8.11 ng/ul	741847	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	87





Library Search Compound Report

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Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
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Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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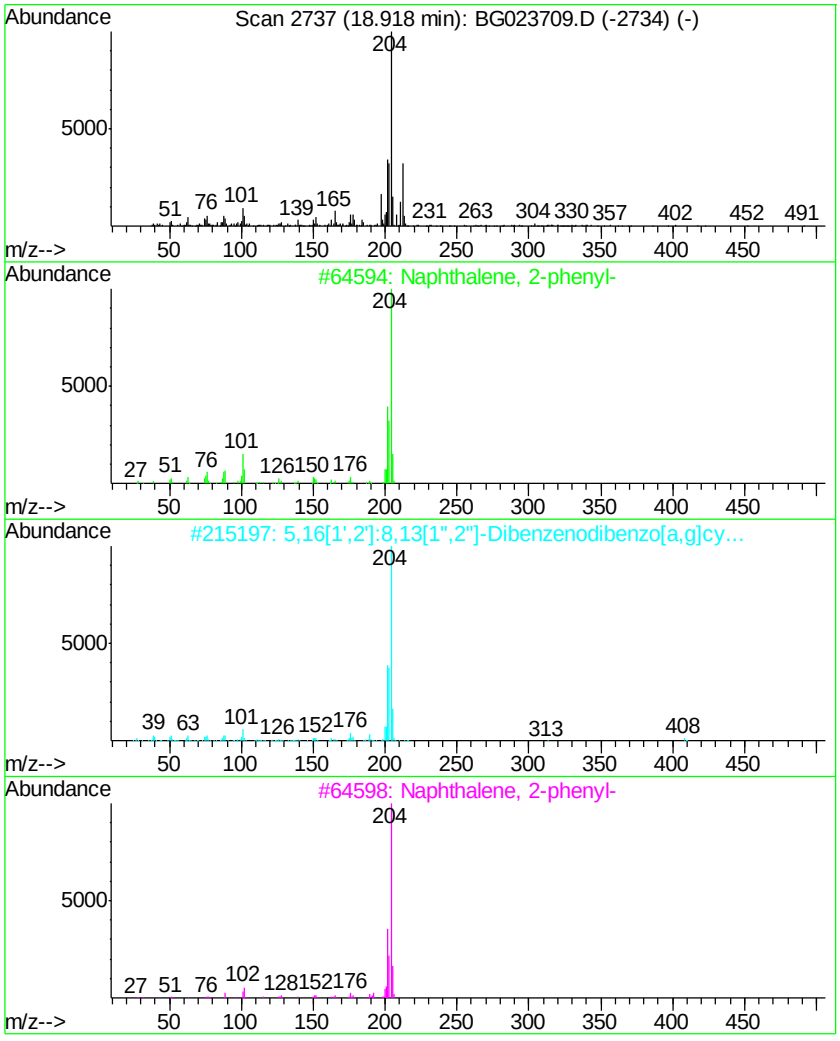
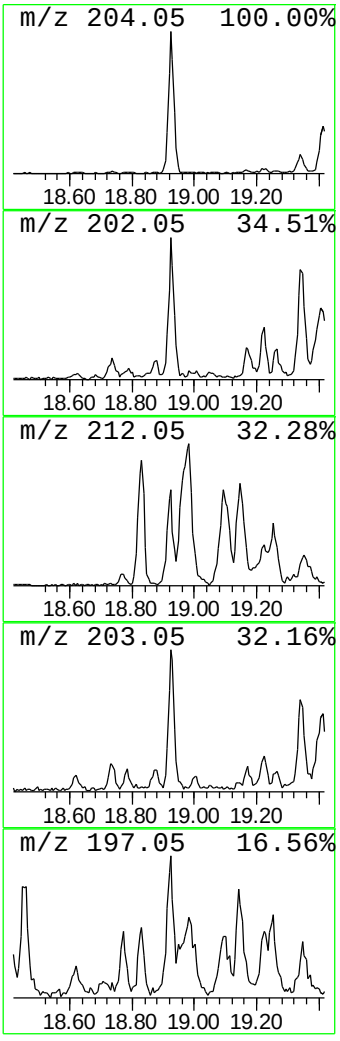
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	5.24 ng/ul	479290	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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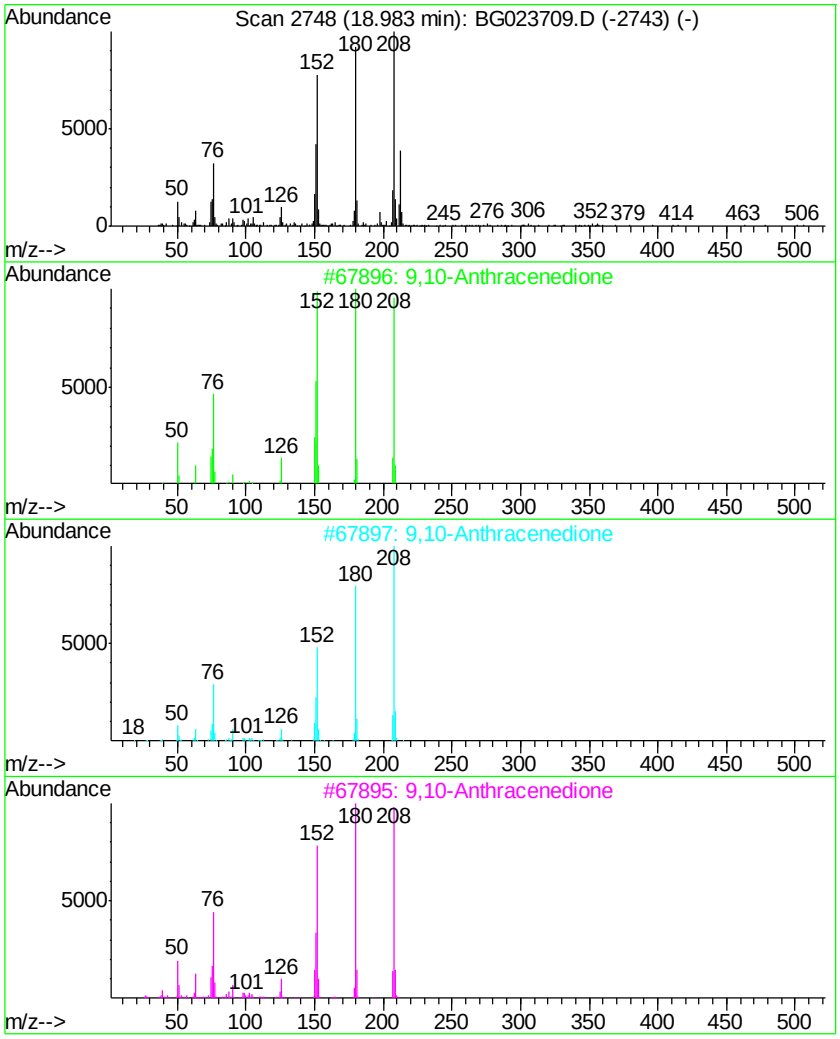
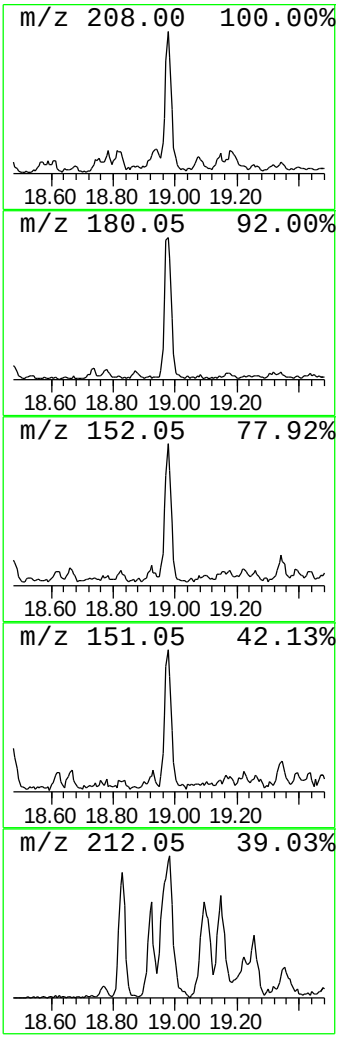
Peak Number 10 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	7.49 ng/ul	684812	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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

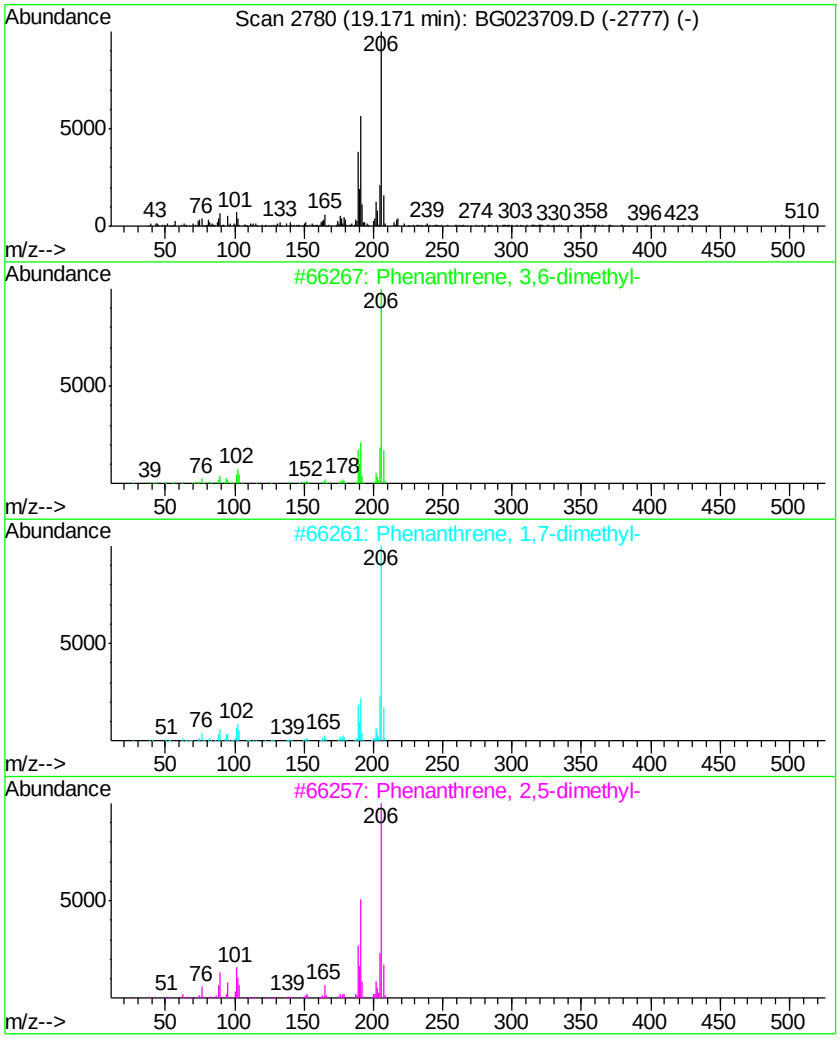
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

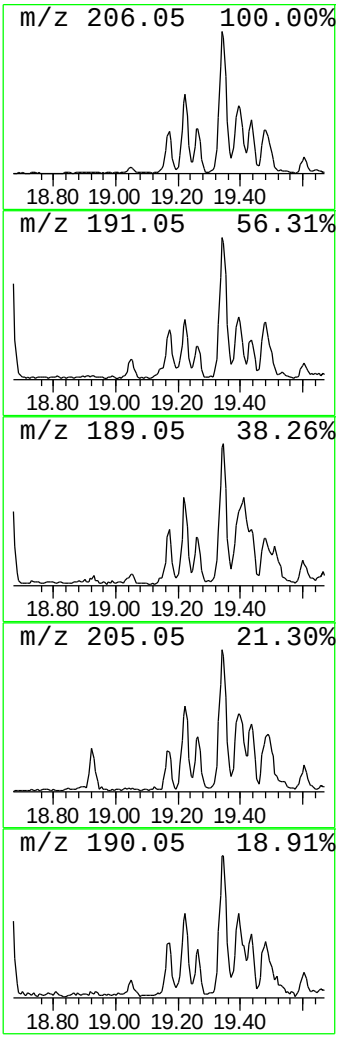
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	4.07 ng/ul	372029	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, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Data File : BG023709.D
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Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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

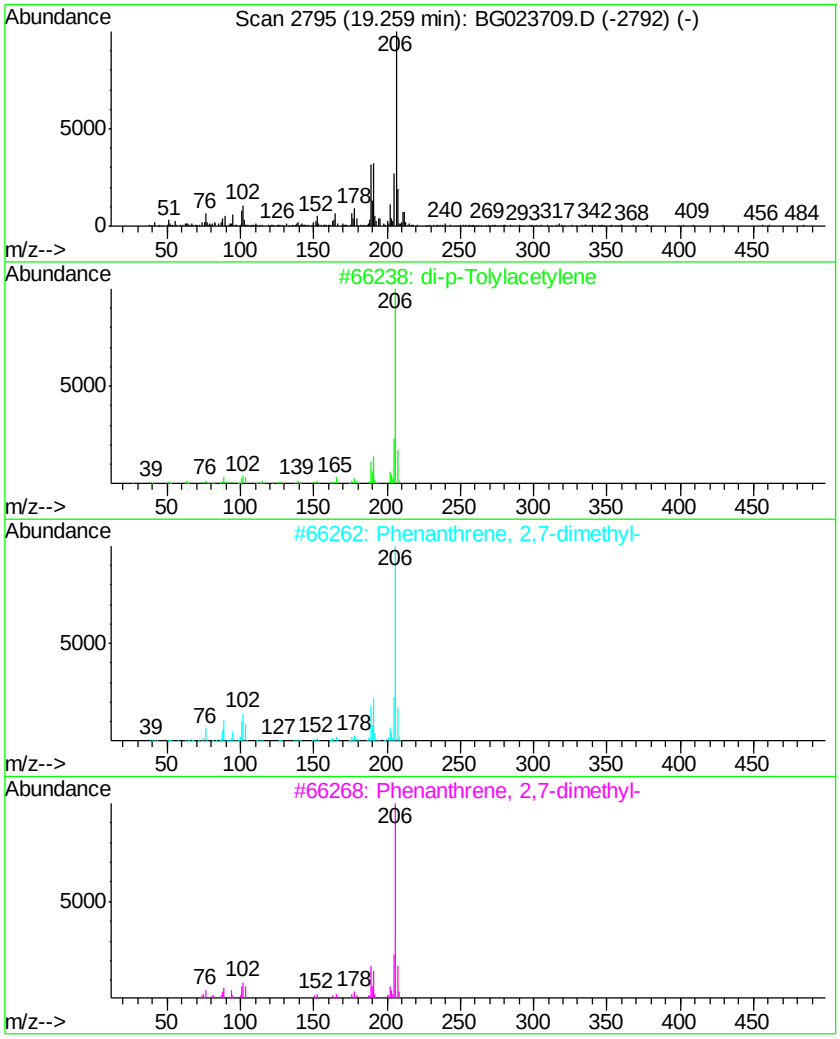
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

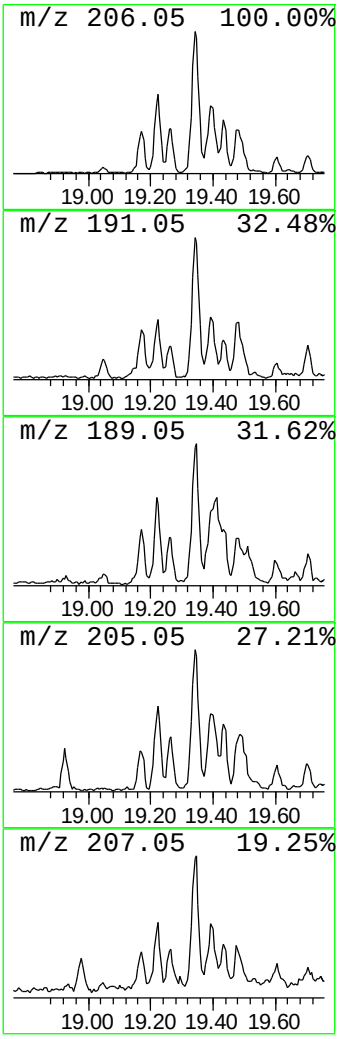
****

Peak Number 13 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	4.03 ng/ul	368453	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, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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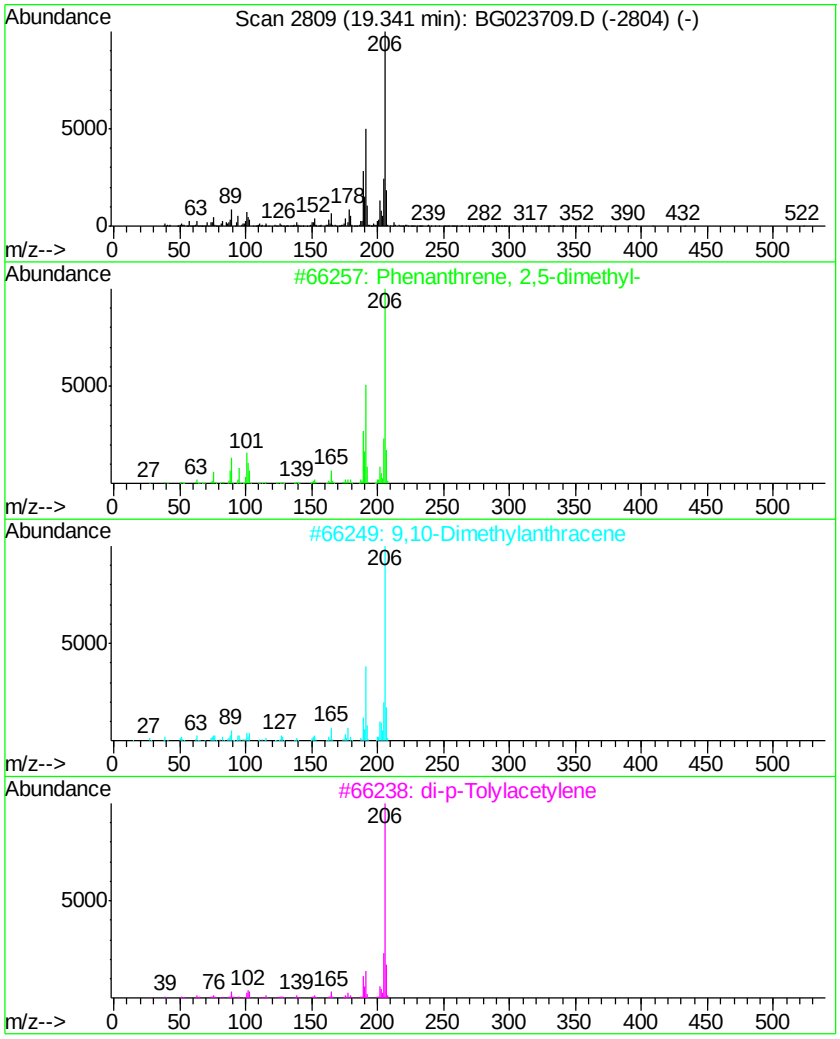
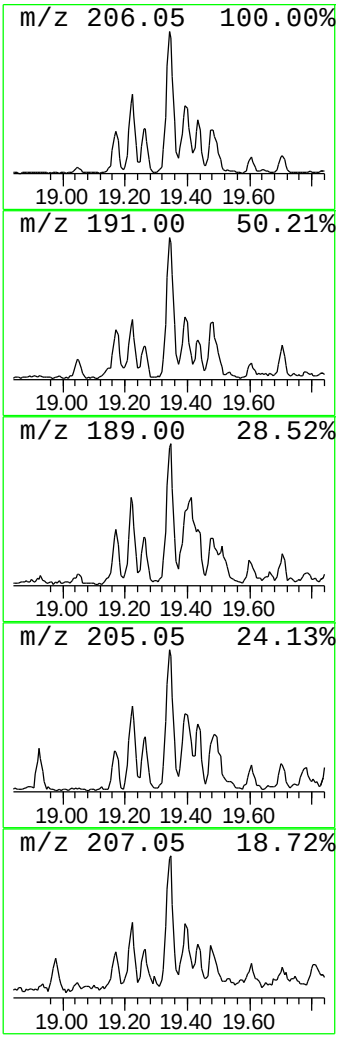
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	15.48 ng/ul	1416100	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Library Search Compound Report

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Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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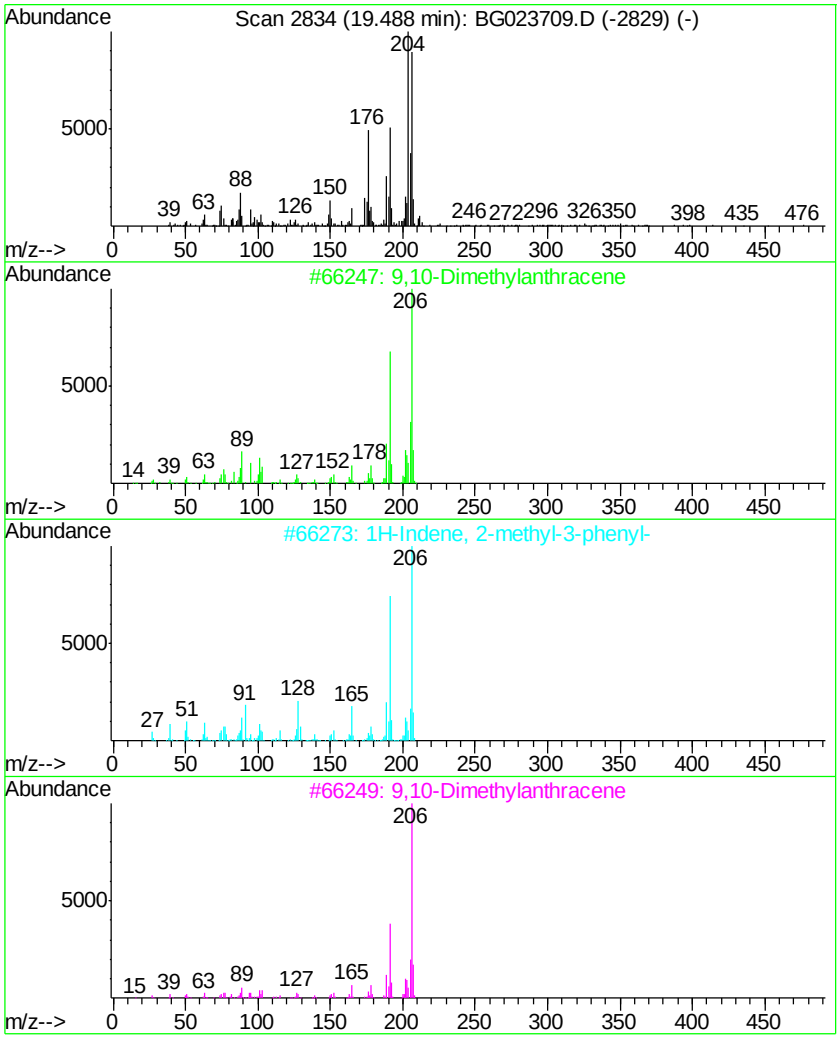
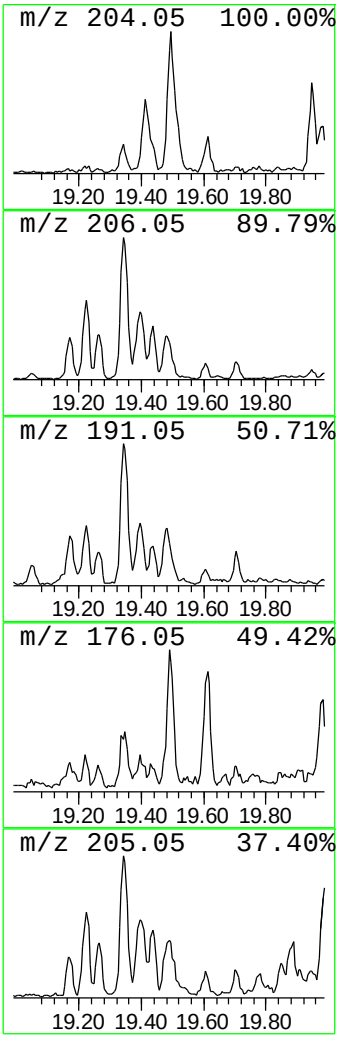
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	8.56 ng/ul	782810	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	55
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	55





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Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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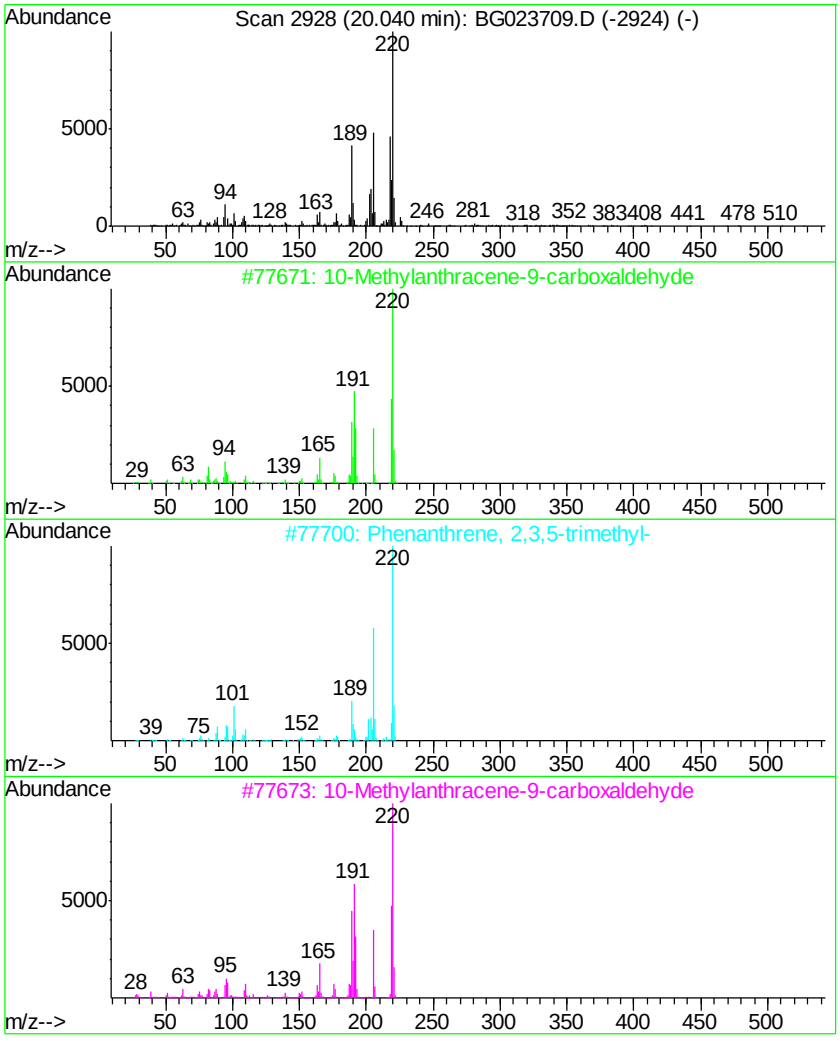
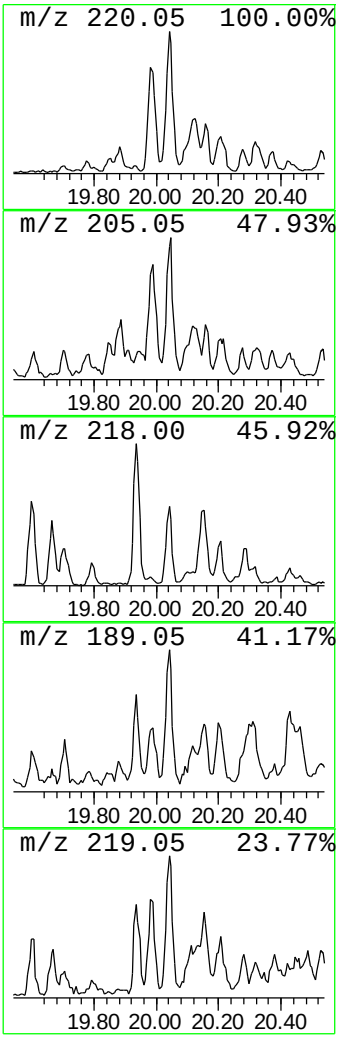
Peak Number 16 10-Methylanthracene-9-carbo... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	3.46 ng/ul	654803	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	55
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	53
3	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	43
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	43
5	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	38





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Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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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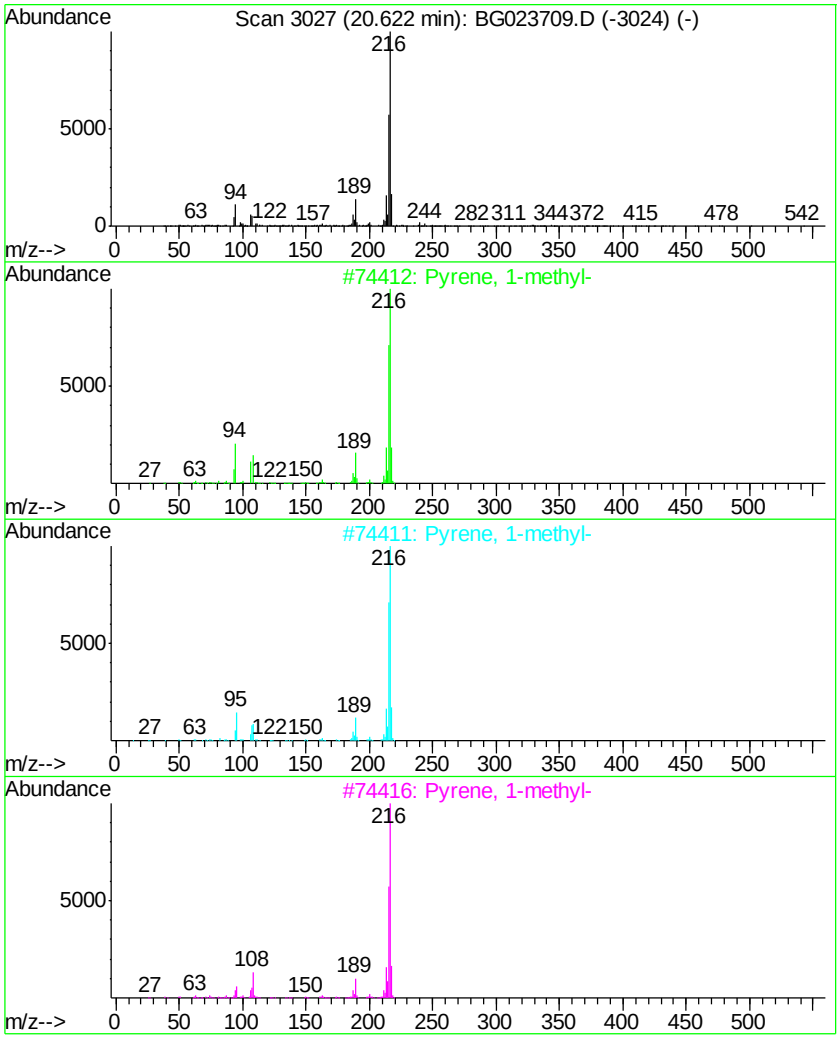
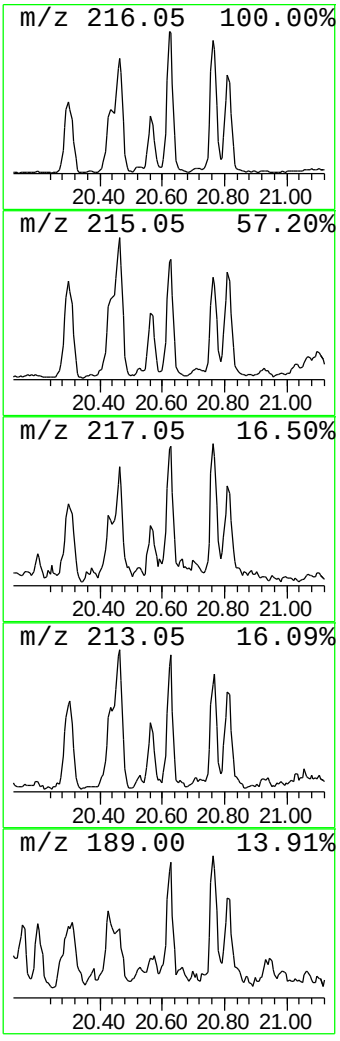
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	3.86 ng/ul	730140	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	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Tentatively Identified Compound (LSC) summary

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Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-0612-01

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
unknown-01	5.18	2.1	ng/ul	86986	1	8.11	816728	20.0
Dibenzothiophene	17.37	2.3	ng/ul	212443	4	17.55	1829740	20.0
4-Methylnaphtho[1...	18.14	4.3	ng/ul	397198	4	17.55	1829740	20.0
Dibenzothiophene,...	18.28	3.2	ng/ul	295902	4	17.55	1829740	20.0
Phenanthrene, 2-m...	18.43	18.8	ng/ul	1715830	4	17.55	1829740	20.0
Phenanthrene, 1-m...	18.48	15.7	ng/ul	1439500	4	17.55	1829740	20.0
Anthracene, 9-met...	18.62	15.2	ng/ul	1390030	4	17.55	1829740	20.0
1H-Indene, 2-phenyl-	18.66	8.1	ng/ul	741847	4	17.55	1829740	20.0
Naphthalene, 2-ph...	18.92	5.2	ng/ul	479290	4	17.55	1829740	20.0
9,10-Anthracenedione	18.98	7.5	ng/ul	684812	4	17.55	1829740	20.0
Phenanthrene, 3,6...	19.17	4.1	ng/ul	372029	4	17.55	1829740	20.0
di-p-Tolylacetylene	19.26	4.0	ng/ul	368453	4	17.55	1829740	20.0
Phenanthrene, 2,5...	19.34	15.5	ng/ul	1416100	4	17.55	1829740	20.0
9,10-Dimethylanth...	19.49	8.6	ng/ul	782810	4	17.55	1829740	20.0
10-Methylanthrace...	20.04	3.5	ng/ul	654803	5	21.88	3781780	20.0
Pyrene, 1-methyl-	20.62	3.9	ng/ul	730140	5	21.88	3781780	20.0