LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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	4.019	197	201	206	rBV6	14817	25522	0.91%	0.077%
2	4.242	237	239	243	rVB5	8910	11595	0.41%	0.035%
3	4.312	249	251	255	rBV4	4525	5921	0.21%	0.018%
4	4.471	274	278	280	rVB4	6848	9150	0.33%	0.027%
5	4.618	301	303	306	rVB4	5799	6627	0.24%	0.020%
6	4.812	334	336	339	rVB4	5483	6006	0.21%	0.018%
7	5.164	393	396	397	rBV2	7311	5635	0.20%	0.017%
8	5.211	403	404	409	rVB4	8042	8142	0.29%	0.024%
9	6.304	588	590	596	rBV6	5087	8404	0.30%	0.025%
10	6.421	606	610	614	rVB6	5664	8531	0.30%	0.026%
11	6.568	632	635	639	rBV6	6367	9630	0.34%	0.029%
12	6.786	668	672	674	rBV4	3933	5613	0.20%	0.017%
13	6.821	676	678	681	rVB3	5397	5884	0.21%	0.018%
14	7.120	726	729	731	rBV4	6400	7425	0.26%	0.022%
15	7.273	749	755	763	rBV	297517	547370	19.47%	1.644%
16	7.432	775	782	791	rBV	244392	415059	14.76%	1.247%
17	7.649	813	819	828	rVB	287632	526099	18.71%	1.580%
18	7.725	828	832	834	rBV5	6062	7928	0.28%	0.024%
19	7.861	854	855	859	rBV4	5667	6375	0.23%	0.019%
20	8.066	886	890	892	rBV4	4378	5640	0.20%	0.017%
21	8.119	892	899	906	rBV	489601	849379	30.21%	2.551%
22	8.272	921	925	927	rBV5	3925	5243	0.19%	0.016%
23	8.319	930	933	936	rBV4	5024	8807	0.31%	0.026%
24	8.489	959	962	963	rBV3	6506	5088	0.18%	0.015%
25	8.759	1006	1008	1012	rBV5	6770	9292	0.33%	0.028%
26	8.836	1012	1021	1034	rVV	364600	682545	24.28%	2.050%
27	9.006	1048	1050	1055	rVB4	3705	5309	0.19%	0.016%
28	9.059	1055	1059	1061	rVB3	5135	7122	0.25%	0.021%
29	9.100	1061	1066	1068	rBV4	5479	8568	0.30%	0.026%
30	9.218	1081	1086	1090	rVB6	5472	11437	0.41%	0.034%
31	9.300	1093	1100	1110	rVV	309346	557345	19.82%	1.674%
32	9.423	1114	1121	1124	rBV8	14426	30112	1.07%	0.090%
33	9.723	1171	1172	1176	rVB4	6264	6263	0.22%	0.019%
34	9.958	1210	1212	1214	rBV3	4992	5477	0.19%	0.016%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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	10.028	1218	1224	1233	rVB	286052	502436	17.87%	1.509%
36	10.580	1309	1318	1331	rBV2	381077	757123	26.93%	2.274%
37	10.721	1337	1342	1345	rVB7	6060	10129	0.36%	0.030%
38	10.833	1358	1361	1363	rBV4	5393	5378	0.19%	0.016%
39	10.898	1368	1372	1375	rBV6	4718	5409	0.19%	0.016%
40	10.956	1375	1382	1390	rBV	727048	1320165	46.95%	3.965%
41	11.097	1399	1406	1418	rVB2	297851	575426	20.47%	1.728%
42	11.221	1425	1427	1430	rVB4	4901	5514	0.20%	0.017%
43	11.509	1473	1476	1479	rVB5	5194	5534	0.20%	0.017%
44	11.632	1495	1497	1499	rVB3	6106	5032	0.18%	0.015%
45	11.732	1509	1514	1515	rBV4	4524	6384	0.23%	0.019%
46	11.761	1515	1519	1523	rVV7	11069	15850	0.56%	0.048%
47	12.196	1591	1593	1598	rVB4	5120	6498	0.23%	0.020%
48	12.290	1604	1609	1612	rVB6	4763	8435	0.30%	0.025%
49	12.337	1615	1617	1620	rBV3	4180	5244	0.19%	0.016%
50	12.443	1632	1635	1638	rBV5	4581	5309	0.19%	0.016%
51	12.542	1650	1652	1656	rVB4	7597	9784	0.35%	0.029%
52	12.613	1660	1664	1665	rBV3	10500	13990	0.50%	0.042%
53	12.830	1696	1701	1707	rBV3	19444	34854	1.24%	0.105%
54	13.077	1741	1743	1748	rBV6	5677	8673	0.31%	0.026%
55	13.130	1748	1752	1756	rBV7	8660	14890	0.53%	0.045%
56	13.224	1765	1768	1769	rBV2	4547	5229	0.19%	0.016%
57	13.271	1772	1776	1780	rBV6	7713	9903	0.35%	0.030%
58	13.382	1790	1795	1798	rBV5	12820	20013	0.71%	0.060%
59	13.565	1825	1826	1828	rBV2	6509	6094	0.22%	0.018%
60	13.653	1839	1841	1849	rVB7	14595	22160	0.79%	0.067%
61	13.711	1849	1851	1853	rBV3	5354	5849	0.21%	0.018%
62	13.805	1865	1867	1869	rBV3	5837	5953	0.21%	0.018%
63	13.964	1885	1894	1901	rBV6	23990	69622	2.48%	0.209%
64	14.017	1901	1903	1906	rBV3	7024	6044	0.21%	0.018%
65	14.046	1906	1908	1909	rBV2	9352	5091	0.18%	0.015%
66	14.105	1909	1918	1923	rBV3	54262	100071	3.56%	0.301%
67	14.187	1924	1932	1936	rVV	851975	1332470	47.39%	4.002%
68	14.234	1936	1940	1947	rVB	327509	489016	17.39%	1.469%
69	14.346	1956	1959	1969	rVB6	24182	54062	1.92%	0.162%
70	14.487	1976	1983	1997	rVB	942903	1557844	55.41%	4.679%
71	14.698	2018	2019	2022	rVB3	8086	5768	0.21%	0.017%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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	14.792	2026	2035	2043	rBV2	1304872	2138082	76.05%	6.422%
73	14.927	2052	2058	2060	rBV7	11357	20170	0.72%	0.061%
74	15.016	2066	2073	2081	rBV2	298218	602228	21.42%	1.809%
75	15.157	2095	2097	2098	rBV2	14941	12368	0.44%	0.037%
76	15.186	2100	2102	2110	rVV4	60360	80138	2.85%	0.241%
77	15.262	2111	2115	2121	rVB2	54456	89033	3.17%	0.267%
78	15.403	2133	2139	2144	rBV2	47221	100151	3.56%	0.301%
79	15.462	2146	2149	2155	rVB4	44264	56258	2.00%	0.169%
80	15.568	2162	2167	2172	rBV8	39766	92581	3.29%	0.278%
81	15.609	2172	2174	2180	rVB3	54817	74513	2.65%	0.224%
82	15.668	2180	2184	2187	rBV3	19285	27555	0.98%	0.083%
83	15.720	2190	2193	2194	rBV3	14356	15080	0.54%	0.045%
84	15.791	2199	2205	2211	rVV	1244873	1899808	67.57%	5.706%
85	15.920	2222	2227	2238	rBV2	357533	603188	21.45%	1.812%
86	16.478	2318	2322	2324	rBV3	60027	83593	2.97%	0.251%
87	17.559	2500	2506	2510	rBV2	1688058	2705322	96.22%	8.126%
88	17.600	2510	2513	2518	rVV	672562	938325	33.37%	2.818%
89	17.659	2518	2523	2532	rVB	1430138	2116683	75.29%	6.358%
90	18.147	2602	2606	2612	rVB2	151828	237564	8.45%	0.714%
91	18.434	2650	2655	2660	rBV2	525751	937919	33.36%	2.817%
92	18.487	2660	2664	2670	rVB	513797	769161	27.36%	2.310%
93	18.628	2683	2688	2692	rBV3	390614	706320	25.12%	2.122%
94	18.669	2692	2695	2700	rVB	298586	401402	14.28%	1.206%
95	18.928	2737	2739	2744	rVB3	136916	175742	6.25%	0.528%
96	19.227	2787	2790	2794	rBV	232948	277976	9.89%	0.835%
97	19.351	2807	2811	2815	rBV	525083	766195	27.25%	2.301%
98	19.615	2852	2856	2862	rVB	934512	1324121	47.10%	3.977%
99	19.956	2909	2914	2916	rBV2	1540868	2387950	84.93%	7.173%
100	21.889	3238	3243	3248	rVB2	1627406	2811555	100.00%	8.445%

Sum of corrected areas: 33292770

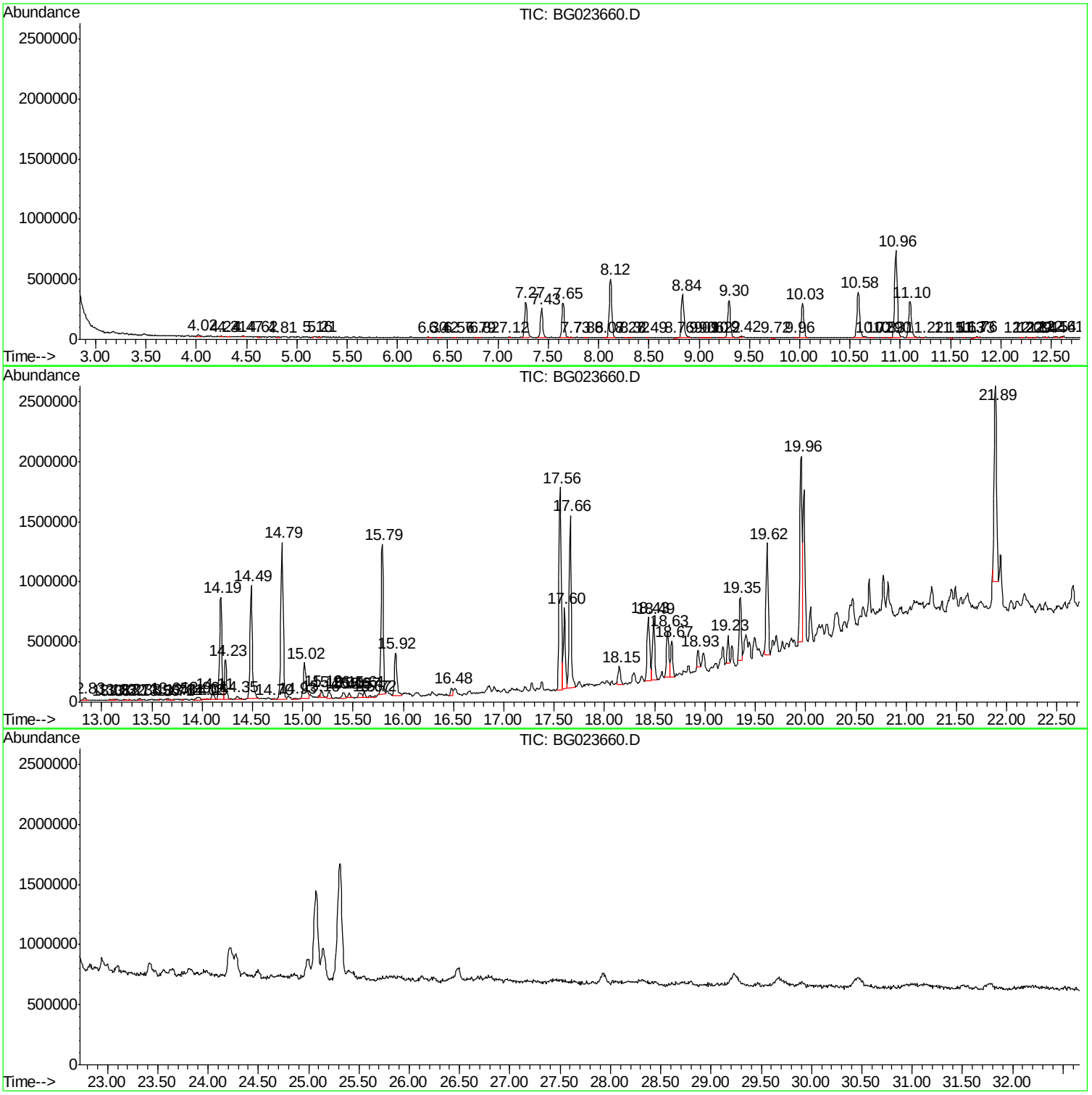
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0612-01

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
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Misc :
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Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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

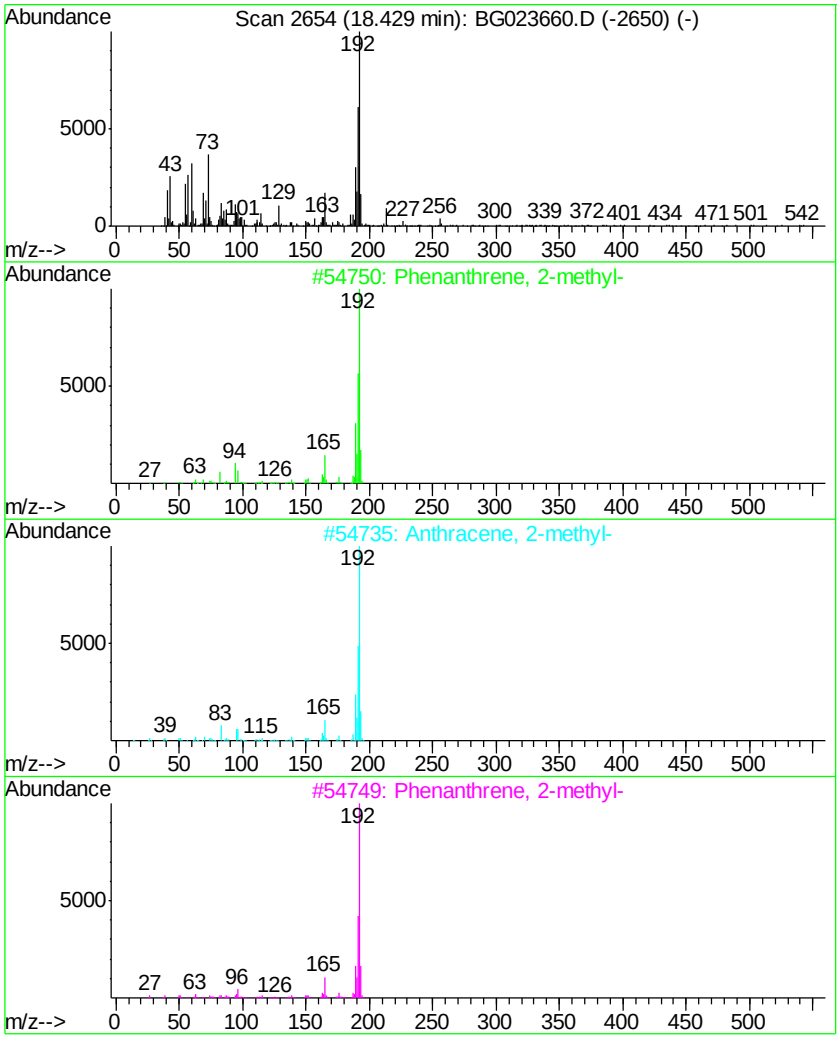
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

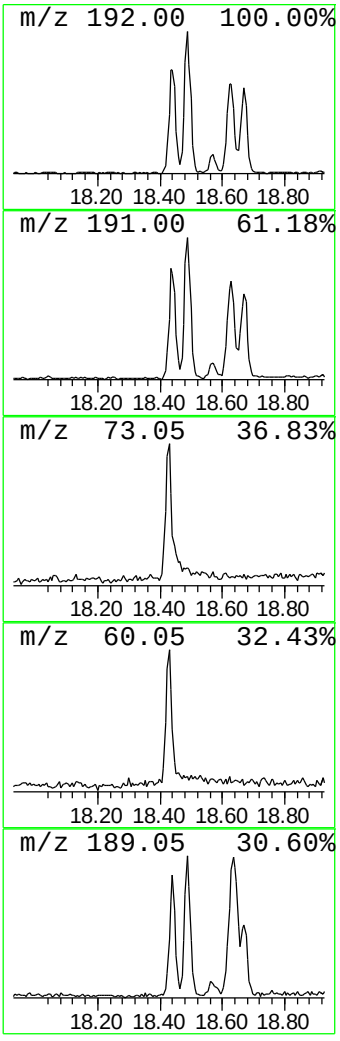
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	6.93 ng/ul	937919	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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

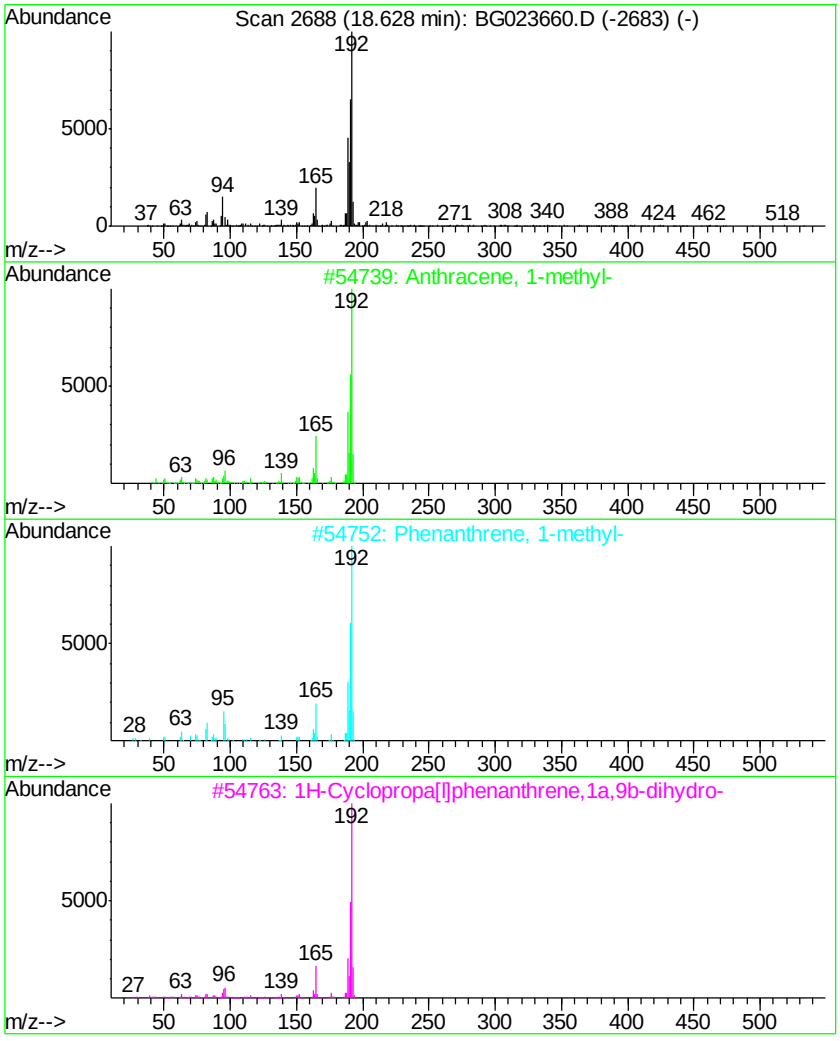
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

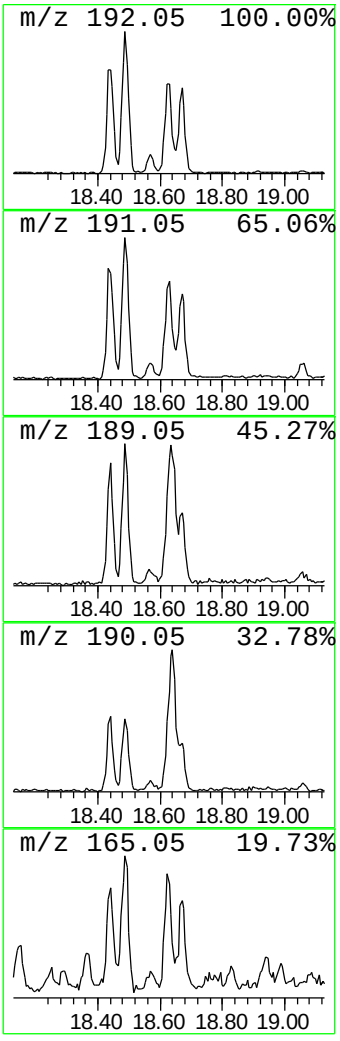
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	5.22 ng/ul	706320	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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

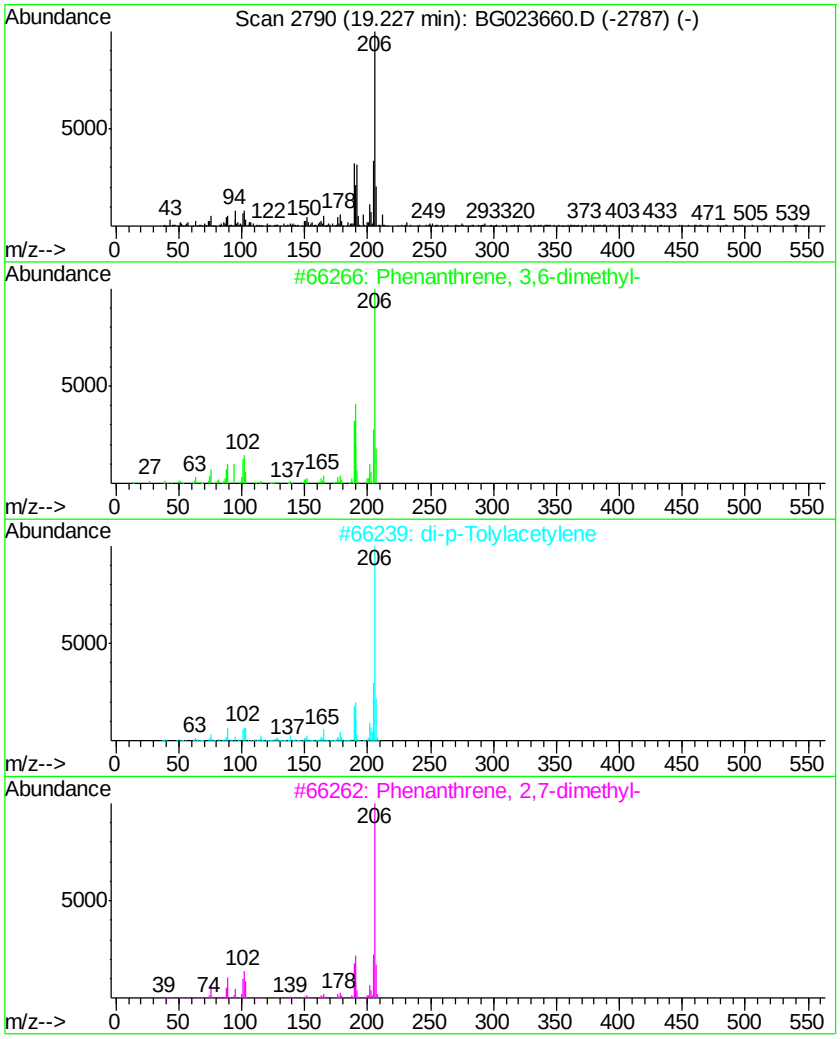
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

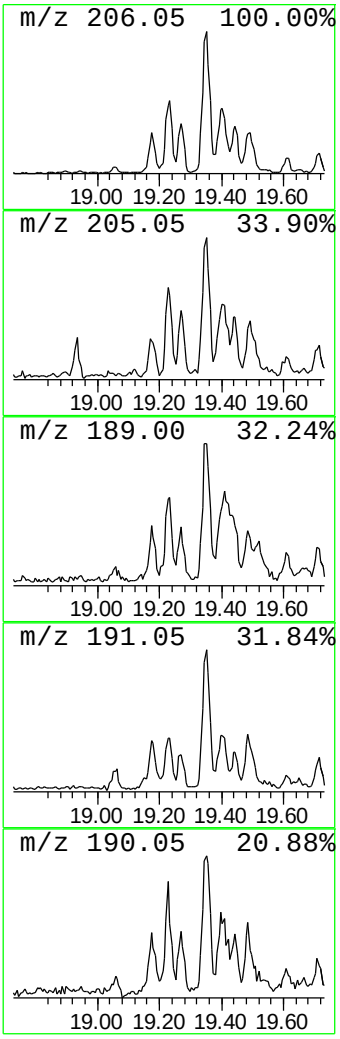
****

Peak Number 5 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.06 ng/ul	277976	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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

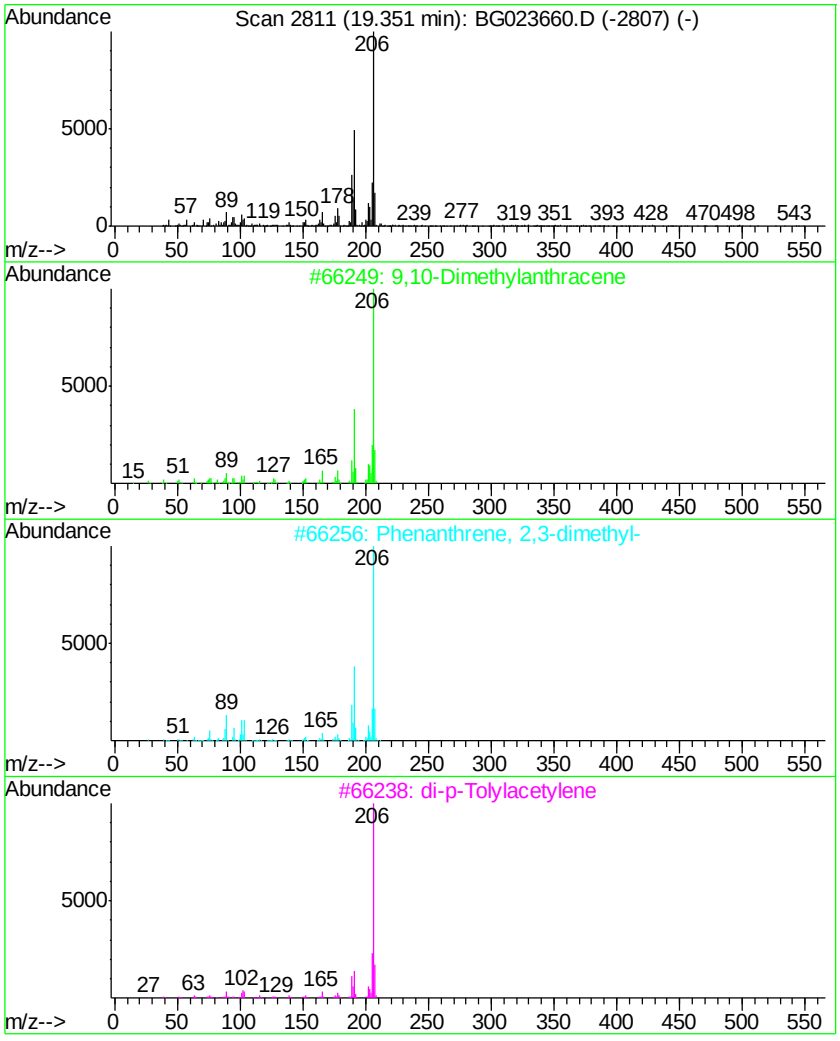
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

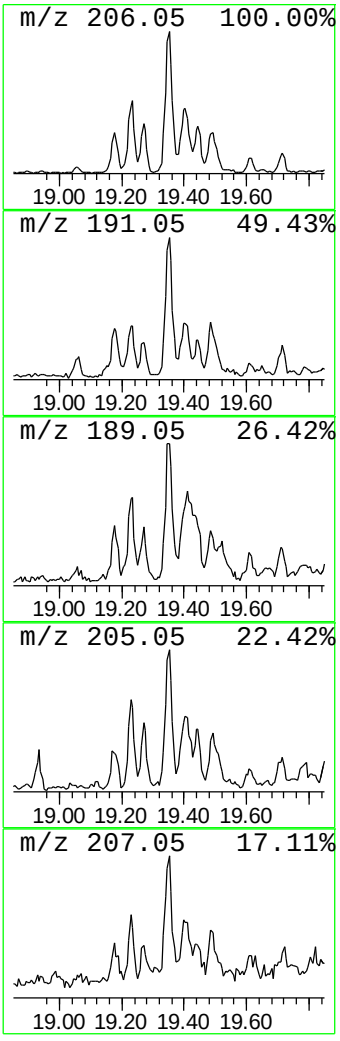
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	5.66 ng/ul	766195	Phenanthrene-d10	17.56

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-01

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
Phenanthrene, 2-m...	18.43	6.9	ng/ul	937919	4	17.56	2705320	20.0
Anthracene, 1-met...	18.63	5.2	ng/ul	706320	4	17.56	2705320	20.0
Phenanthrene, 3,6...	19.23	2.1	ng/ul	277976	4	17.56	2705320	20.0
9,10-Dimethylanth...	19.35	5.7	ng/ul	766195	4	17.56	2705320	20.0