LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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	3.174	54	57	61	rVB3	18450	22956	0.92%	0.073%
2	3.415	96	98	101	rVB5	6070	5686	0.23%	0.018%
3	3.486	105	110	114	rBV2	19811	29065	1.16%	0.093%
4	3.797	160	163	164	rBV3	5074	4346	0.17%	0.014%
5	3.909	180	182	183	rBV2	5411	4160	0.17%	0.013%
6	4.014	196	200	207	rVV5	20917	37271	1.49%	0.119%
7	4.091	209	213	215	rBV4	4280	4858	0.19%	0.015%
8	4.244	235	239	246	rVB4	7949	13962	0.56%	0.045%
9	4.296	246	248	252	rBV3	5414	5595	0.22%	0.018%
10	4.385	262	263	268	rBV4	4504	5961	0.24%	0.019%
11	5.172	394	397	401	rBV5	10719	16072	0.64%	0.051%
12	5.383	430	433	434	rBV2	4277	4282	0.17%	0.014%
13	5.618	470	473	476	rBV4	3907	5509	0.22%	0.018%
14	6.300	584	589	592	rBV4	4386	5911	0.24%	0.019%
15	7.269	747	754	764	rBV	422042	809046	32.39%	2.581%
16	7.427	773	781	787	rBV	352636	585474	23.44%	1.868%
17	7.639	810	817	824	rBV	425757	743128	29.75%	2.371%
18	8.109	889	897	906	rBV	423111	739853	29.62%	2.360%
19	8.826	1011	1019	1029	rBV	412463	741282	29.68%	2.365%
20	9.019	1049	1052	1055	rVB4	3364	5220	0.21%	0.017%
21	9.143	1072	1073	1078	rVB4	3387	4370	0.17%	0.014%
22	9.184	1078	1080	1082	rBV3	5620	4971	0.20%	0.016%
23	9.290	1091	1098	1110	rBV	435169	786925	31.51%	2.510%
24	9.407	1116	1118	1121	rVB4	8036	7243	0.29%	0.023%
25	9.666	1156	1162	1164	rBV5	6399	11520	0.46%	0.037%
26	9.730	1170	1173	1176	rVB3	3389	4376	0.18%	0.014%
27	9.965	1210	1213	1216	rBV3	3573	4751	0.19%	0.015%
28	10.018	1216	1222	1232	rVV2	369572	698862	27.98%	2.229%
29	10.570	1307	1316	1326	rBV	482151	968965	38.79%	3.091%
30	10.805	1354	1356	1360	rVB3	4460	4930	0.20%	0.016%
31	10.946	1371	1380	1388	rBV	625954	1120602	44.87%	3.575%
32	11.087	1396	1404	1419	rBV3	341208	703307	28.16%	2.244%
33	11.246	1428	1431	1433	rBV4	3371	4189	0.17%	0.013%
34	11.563	1483	1485	1490	rVB2	4926	5563	0.22%	0.018%

LSC Area Percent Report

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Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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	11.628	1490	1496	1497	rVB4	5286	6744	0.27%	0.022%
36	11.698	1504	1508	1511	rVB5	4522	5961	0.24%	0.019%
37	11.763	1514	1519	1520	rBV4	3681	4331	0.17%	0.014%
38	12.421	1627	1631	1636	rBV6	6829	12134	0.49%	0.039%
39	12.532	1644	1650	1658	rBV5	9793	24348	0.97%	0.078%
40	12.597	1658	1661	1663	rBV4	4509	4917	0.20%	0.016%
41	12.703	1674	1679	1683	rVB3	4625	7149	0.29%	0.023%
42	12.744	1683	1686	1688	rBV3	3817	5397	0.22%	0.017%
43	12.820	1697	1699	1705	rBV6	8533	15634	0.63%	0.050%
44	13.126	1747	1751	1754	rVB5	4923	6596	0.26%	0.021%
45	13.366	1788	1792	1795	rBV3	4654	6617	0.26%	0.021%
46	13.572	1826	1827	1831	rVB3	4998	5584	0.22%	0.018%
47	13.648	1836	1840	1845	rBV5	12206	20466	0.82%	0.065%
48	13.748	1855	1857	1861	rBV3	4062	5065	0.20%	0.016%
49	13.795	1861	1865	1868	rBV6	2818	4212	0.17%	0.013%
50	13.907	1883	1884	1886	rBV2	5103	4818	0.19%	0.015%
51	13.960	1886	1893	1898	rVB2	9099	24661	0.99%	0.079%
52	14.030	1901	1905	1906	rBV3	4248	4631	0.19%	0.015%
53	14.107	1914	1918	1922	rVB5	17065	28239	1.13%	0.090%
54	14.177	1922	1930	1935	rBV	943727	1429134	57.22%	4.559%
55	14.224	1935	1938	1944	rVB	639644	869279	34.80%	2.773%
56	14.342	1955	1958	1968	rVB9	14064	33868	1.36%	0.108%
57	14.412	1968	1970	1973	rBV3	5884	4579	0.18%	0.015%
58	14.477	1973	1981	1993	rBV	1015994	1685528	67.48%	5.377%
59	14.594	1999	2001	2002	rBV2	5796	5801	0.23%	0.019%
60	14.653	2006	2011	2016	rVB2	40764	50931	2.04%	0.162%
61	14.723	2021	2023	2024	rBV2	6868	4853	0.19%	0.015%
62	14.788	2027	2034	2042	rVB2	948720	1520579	60.88%	4.851%
63	15.011	2066	2072	2083	rBV2	238788	548195	21.95%	1.749%
64	15.158	2093	2097	2099	rBV4	13029	19492	0.78%	0.062%
65	15.258	2109	2114	2121	rBV9	22863	47206	1.89%	0.151%
66	15.340	2126	2128	2132	rVB3	10395	12994	0.52%	0.041%
67	15.399	2132	2138	2143	rBV6	16242	33385	1.34%	0.106%
68	15.458	2143	2148	2152	rVB8	12432	18283	0.73%	0.058%
69	15.558	2162	2165	2166	rBV2	12889	15643	0.63%	0.050%
70	15.605	2169	2173	2180	rVB	73966	99391	3.98%	0.317%
71	15.663	2182	2183	2186	rVB3	10012	8569	0.34%	0.027%

LSC Area Percent Report

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Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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	15.781	2197	2203	2209	rBV	1336279	2041553	81.74%	6.513%
73	15.916	2220	2226	2233	rBV2	314337	533651	21.37%	1.702%
74	16.016	2237	2243	2248	rVV8	32752	66071	2.65%	0.211%
75	16.233	2277	2280	2284	rVB5	11480	15005	0.60%	0.048%
76	16.280	2286	2288	2290	rBV3	9977	7350	0.29%	0.023%
77	16.415	2309	2311	2312	rBV2	10683	8413	0.34%	0.027%
78	16.474	2317	2321	2323	rBV2	75333	95879	3.84%	0.306%
79	16.644	2346	2350	2354	rBV7	16378	26408	1.06%	0.084%
80	16.832	2375	2382	2384	rBV8	20856	45437	1.82%	0.145%
81	17.073	2417	2423	2428	rBV4	51136	92802	3.72%	0.296%
82	17.208	2442	2446	2451	rBV8	17924	36091	1.44%	0.115%
83	17.267	2453	2456	2461	rVB2	53496	72704	2.91%	0.232%
84	17.549	2498	2504	2509	rBV	1145526	1741216	69.71%	5.554%
85	17.596	2509	2512	2516	rVV	164406	231501	9.27%	0.738%
86	17.655	2516	2522	2532	rVB	1218153	1977452	79.17%	6.308%
87	18.101	2596	2598	2599	rBV2	14719	10050	0.40%	0.032%
88	18.424	2649	2653	2658	rBV2	205394	338256	13.54%	1.079%
89	18.483	2659	2663	2669	rVB	123955	196120	7.85%	0.626%
90	18.618	2682	2686	2691	rBV3	104904	187858	7.52%	0.599%
91	18.659	2691	2693	2699	rVB2	79429	105875	4.24%	0.338%
92	19.264	2793	2796	2799	rVB	46909	57748	2.31%	0.184%
93	19.341	2804	2809	2814	rBV2	177362	297767	11.92%	0.950%
94	19.488	2829	2834	2838	rBV3	56441	120696	4.83%	0.385%
95	19.605	2851	2854	2860	rVB	245192	347131	13.90%	1.107%
96	19.946	2906	2912	2916	rBV	1574361	2497669	100.00%	7.968%
97	20.040	2925	2928	2933	rVB2	87438	126245	5.05%	0.403%
98	21.878	3234	3241	3246	rBV2	1125446	2057013	82.36%	6.562%
99	25.057	3776	3782	3791	rVB2	622978	1573126	62.98%	5.018%
100	25.286	3815	3821	3832	rVB	564485	1715548	68.69%	5.473%

Sum of corrected areas: 31348060

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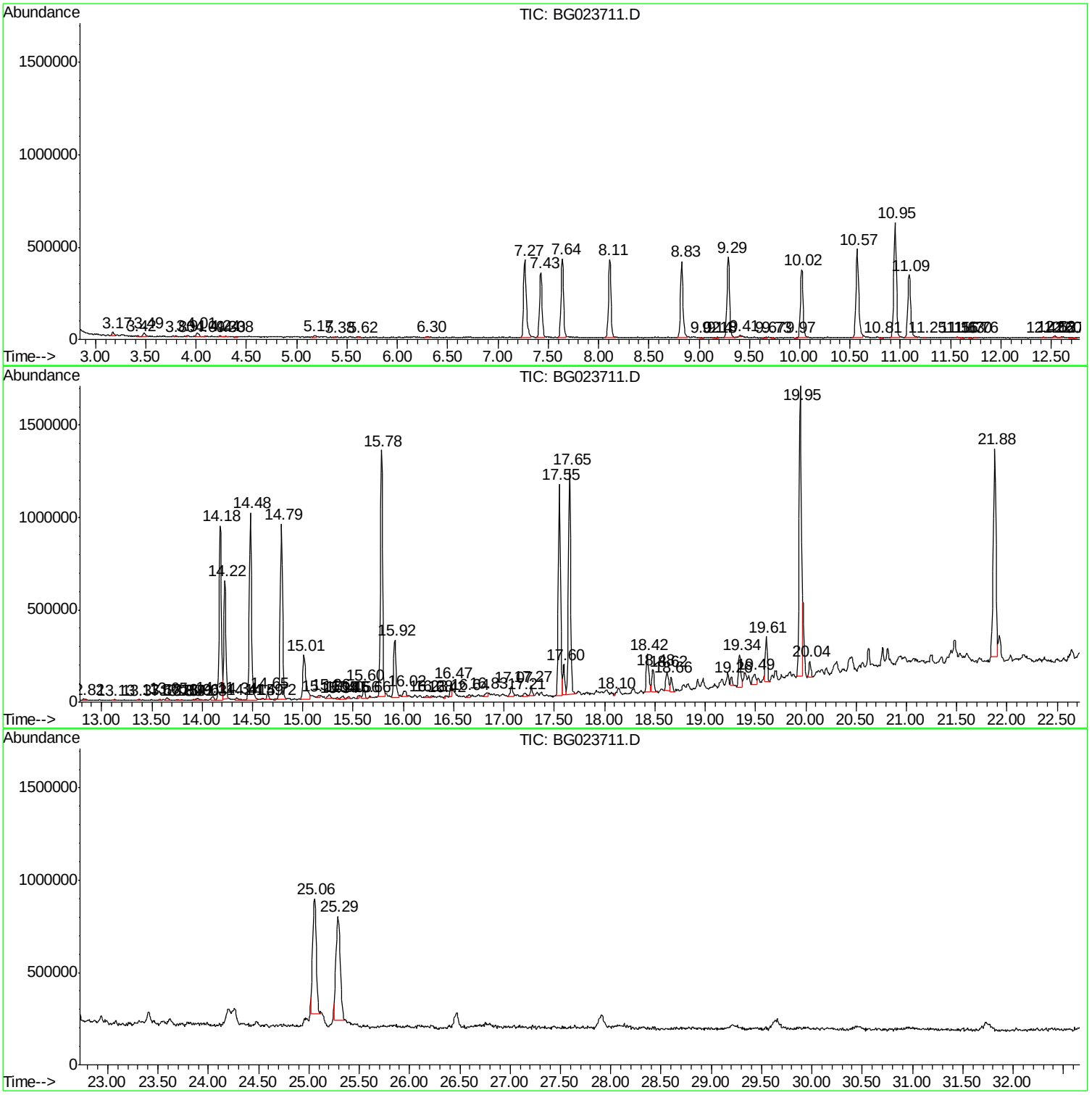
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

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\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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

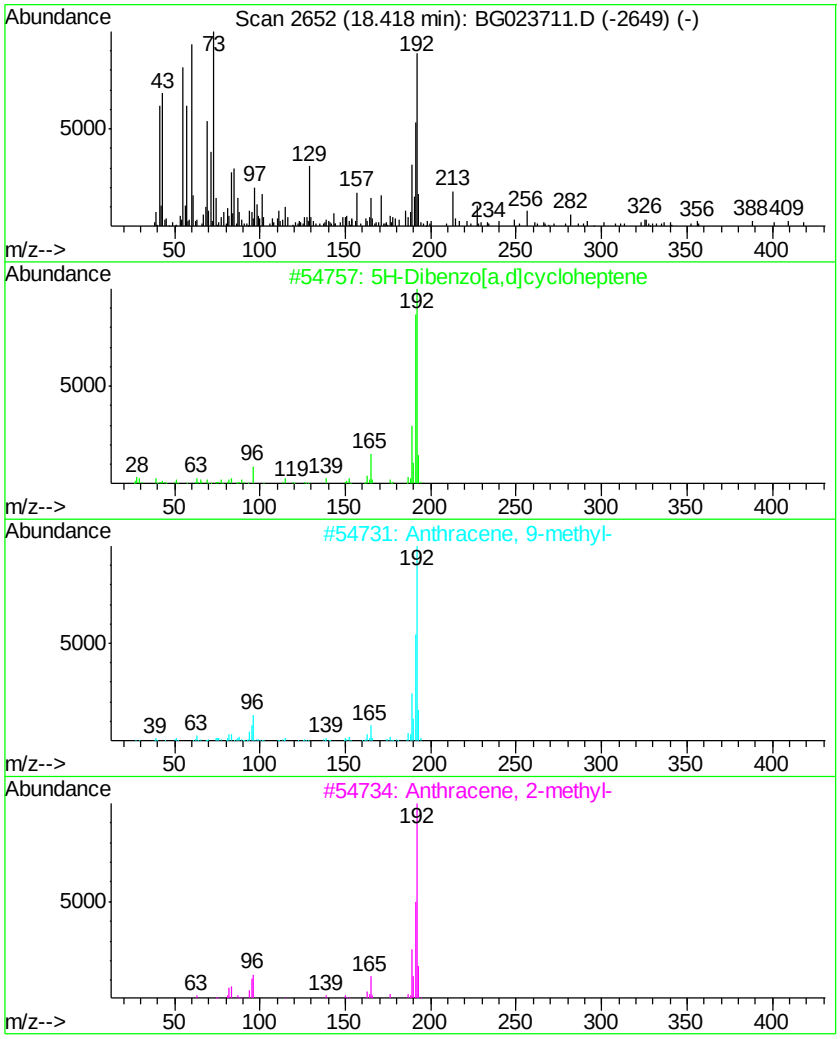
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

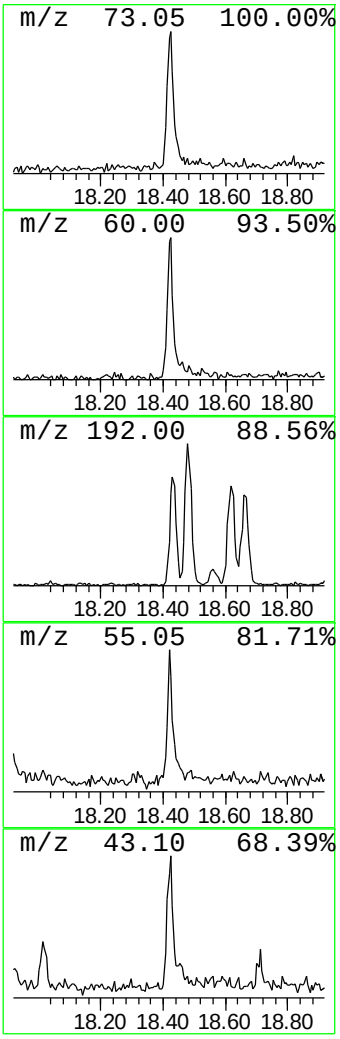
****

Peak Number 1 5H-Dibenzo[a,d]cycloheptene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.89 ng/ul	338256	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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

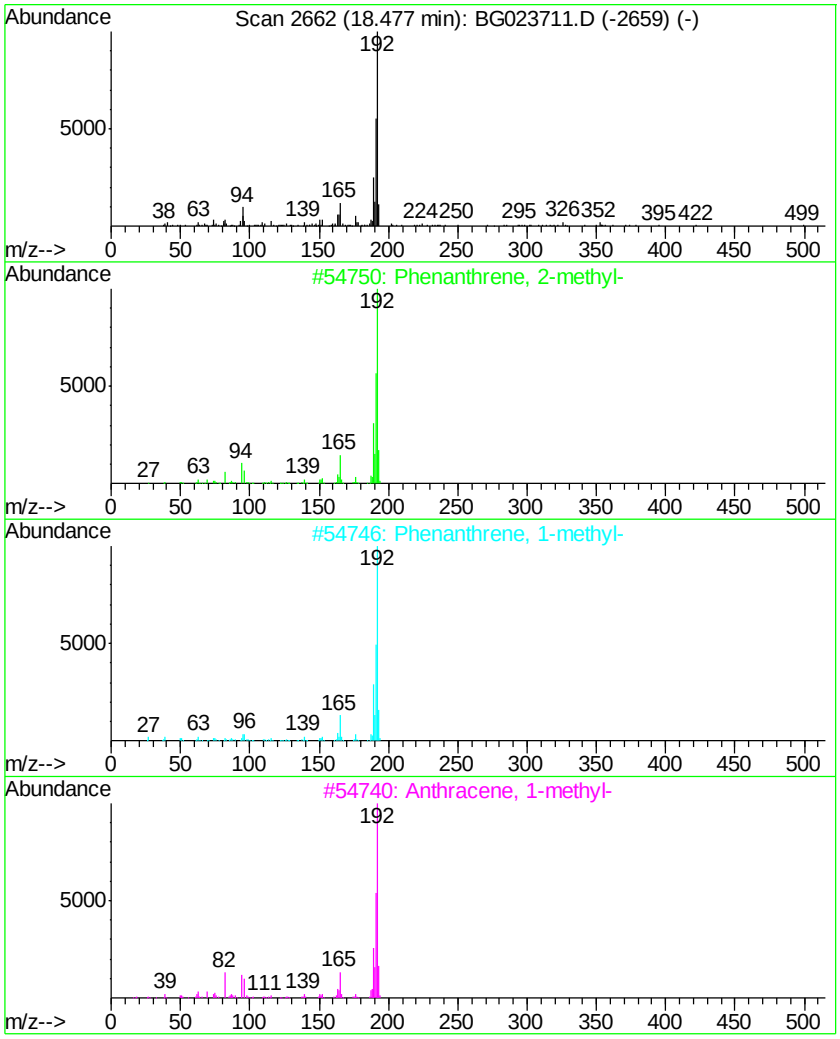
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

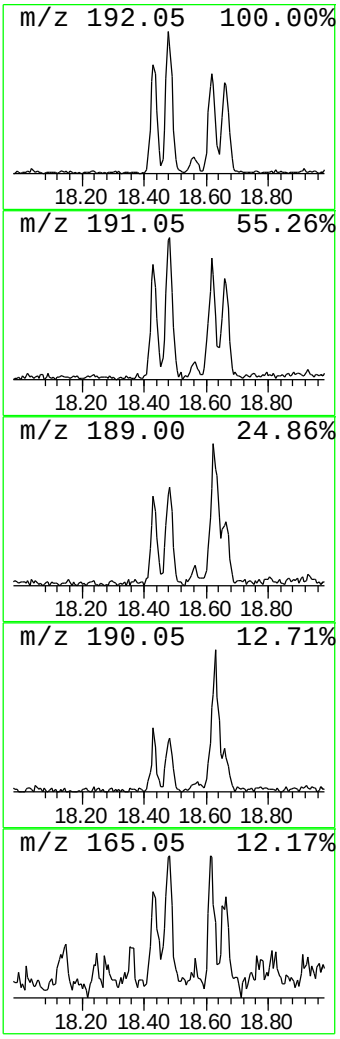
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	2.25 ng/ul	196120	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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

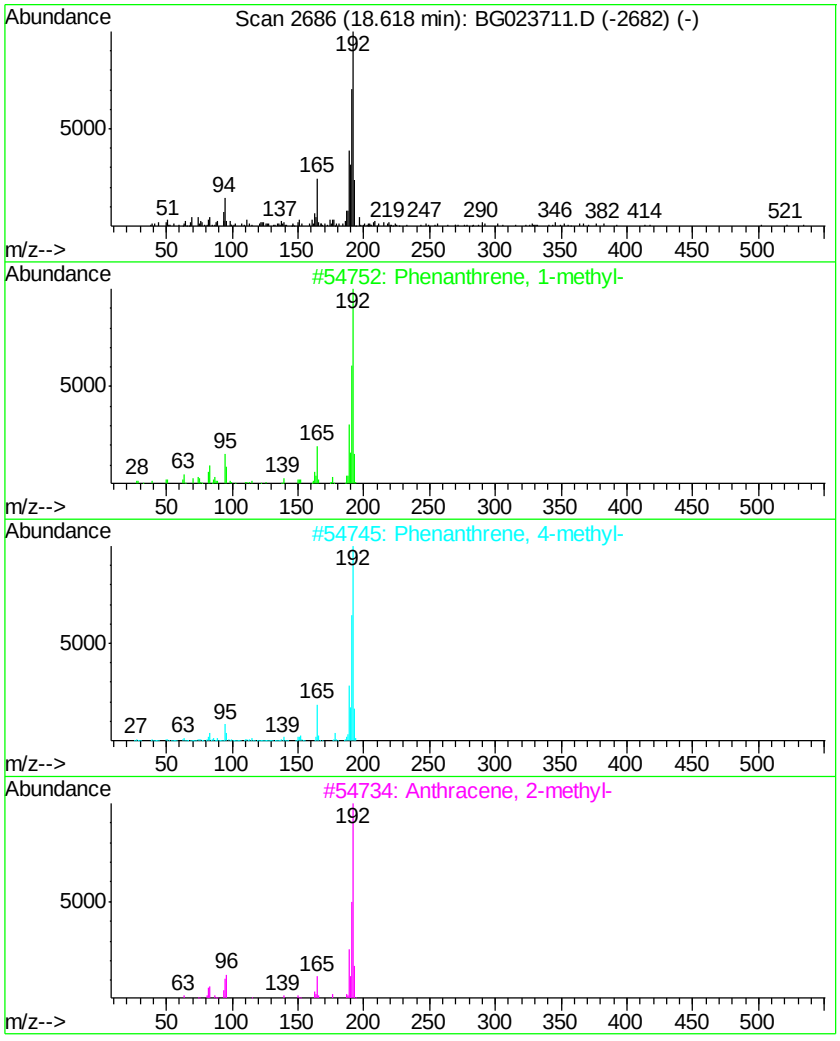
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

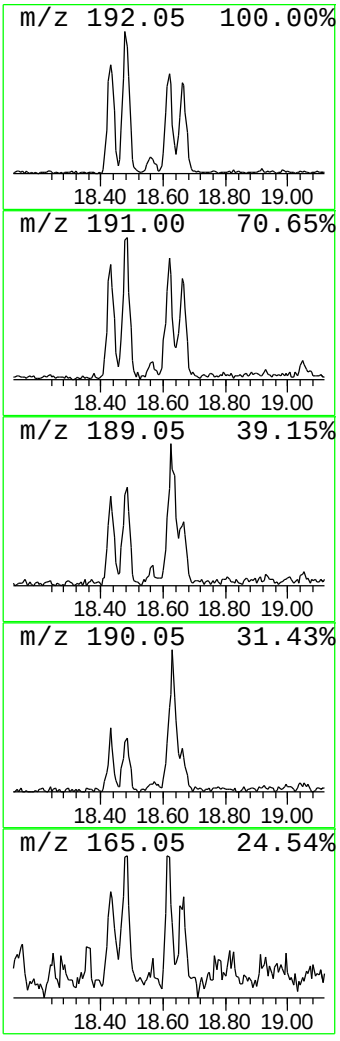
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.16 ng/ul	187858	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	58
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	58
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	52
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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

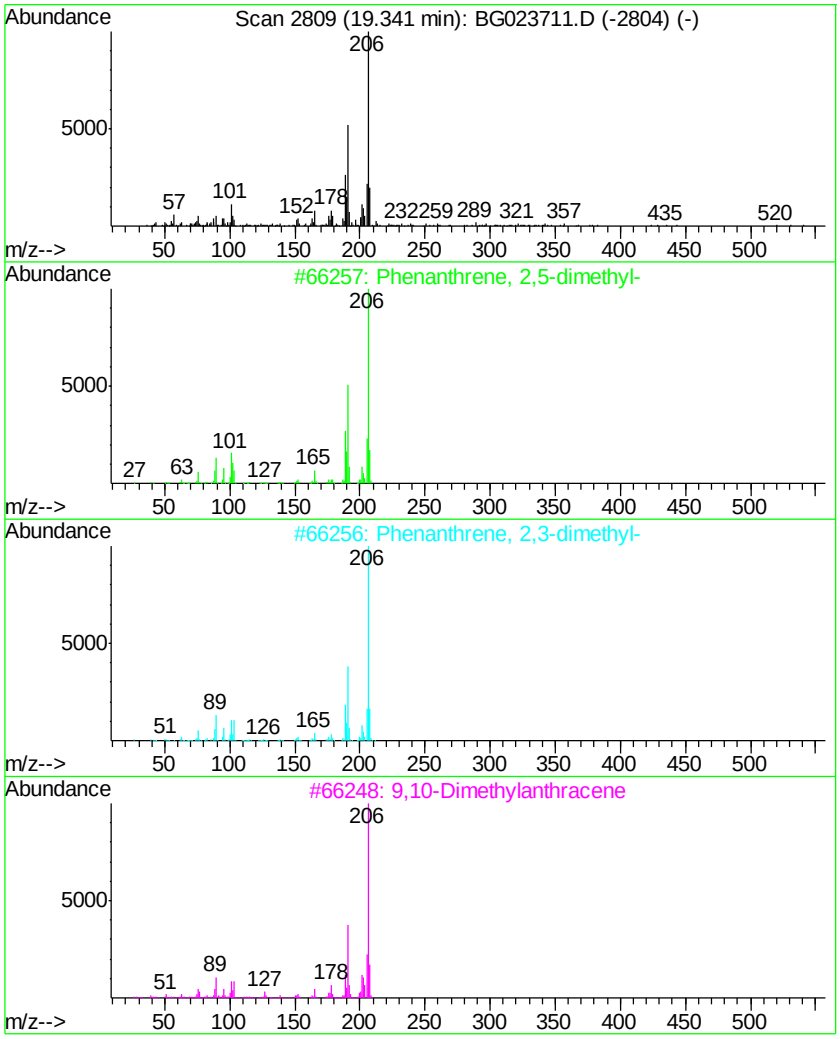
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

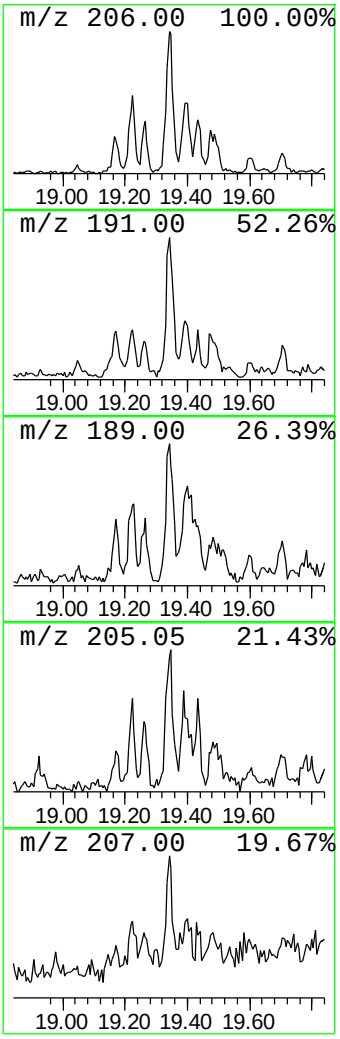
****

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	3.42 ng/ul	297767	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-2430-02

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
5H-Dibenzo[a,d]cy...	18.42	3.9	ng/ul	338256	4	17.55	1741220	20.0
Phenanthrene, 2-m...	18.48	2.3	ng/ul	196120	4	17.55	1741220	20.0
Phenanthrene, 1-m...	18.62	2.2	ng/ul	187858	4	17.55	1741220	20.0
Phenanthrene, 2,5...	19.34	3.4	ng/ul	297767	4	17.55	1741220	20.0