LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

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-BG052116.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	3.217	62	64	69	rVB5	2629	4319	0.61%	0.050%
2	3.534	114	118	119	rBV2	2050	2777	0.39%	0.032%
3	4.069	205	209	215	rBV5	1398	2675	0.38%	0.031%
4	4.304	242	249	257	rBV4	4306	8609	1.21%	0.100%
5	5.238	407	408	413	rVB3	2368	1941	0.27%	0.023%
6	7.312	753	761	773	rBV	51092	110003	15.52%	1.279%
7	7.477	783	789	800	rBV	42295	81897	11.55%	0.952%
8	7.694	818	826	835	rBV	57518	117270	16.54%	1.364%
9	8.164	893	906	921	rVV	114783	240480	33.93%	2.797%
10	8.270	923	924	929	rVV4	1554	2306	0.33%	0.027%
11	8.381	941	943	946	rVV2	1815	1948	0.27%	0.023%
12	8.440	949	953	957	rVV3	1133	1918	0.27%	0.022%
13	8.716	997	1000	1006	rVB5	2122	3996	0.56%	0.046%
14	8.810	1010	1016	1019	rBV4	1037	2083	0.29%	0.024%
15	8.869	1019	1026	1042	rBV	70005	150877	21.29%	1.755%
16	9.004	1045	1049	1052	rVV5	2056	2343	0.33%	0.027%
17	9.263	1087	1093	1097	rBV5	1969	4246	0.60%	0.049%
18	9.333	1097	1105	1117	rVV	48999	112616	15.89%	1.310%
19	9.433	1121	1122	1127	rVV3	1847	1847	0.26%	0.021%
20	9.521	1135	1137	1141	rVB3	1749	1999	0.28%	0.023%
21	9.627	1152	1155	1159	rVB3	1206	1775	0.25%	0.021%
22	9.891	1195	1200	1203	rBV5	1934	3414	0.48%	0.040%
23	10.056	1221	1228	1237	rBV2	38850	88019	12.42%	1.024%
24	10.138	1239	1242	1244	rBV2	1755	2118	0.30%	0.025%
25	10.373	1279	1282	1285	rBV	1642	1577	0.22%	0.018%
26	10.602	1312	1321	1331	rBV	70007	149689	21.12%	1.741%
27	10.749	1343	1346	1349	rBV3	1540	1828	0.26%	0.021%
28	10.926	1372	1376	1377	rBV3	2530	3276	0.46%	0.038%
29	10.978	1377	1385	1401	rVB	208215	445374	62.83%	5.180%
30	11.119	1401	1409	1425	rBV	50642	128732	18.16%	1.497%
31	11.231	1425	1428	1430	rVV3	1834	2496	0.35%	0.029%
32	11.249	1430	1431	1436	rVB4	1506	1721	0.24%	0.020%
33	11.396	1452	1456	1461	rVB5	2278	3469	0.49%	0.040%
34	11.460	1461	1467	1474	rBV4	2863	6674	0.94%	0.078%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

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-BG052116.M
Title : SVOA CALIBRATION

35	11.642	1494	1498	1499	rBV2	1410	1919	0.27%	0.022%
36	11.654	1499	1500	1505	rVB4	1827	2264	0.32%	0.026%
37	11.795	1522	1524	1529	rVB4	1689	2019	0.28%	0.023%
38	11.895	1539	1541	1545	rVB3	1562	2052	0.29%	0.024%
39	11.971	1548	1554	1560	rBV3	7297	13718	1.94%	0.160%
40	12.018	1560	1562	1566	rVB4	1857	1973	0.28%	0.023%
41	12.159	1584	1586	1591	rVB3	2980	3192	0.45%	0.037%
42	12.242	1595	1600	1606	rBV5	3392	6624	0.93%	0.077%
43	12.359	1616	1620	1625	rBV5	2259	4106	0.58%	0.048%
44	12.629	1661	1666	1673	rVB2	5159	9455	1.33%	0.110%
45	12.765	1686	1689	1693	rVV4	1563	2593	0.37%	0.030%
46	12.841	1697	1702	1709	rVB3	7137	14750	2.08%	0.172%
47	12.994	1724	1728	1732	rVV5	3058	4665	0.66%	0.054%
48	13.052	1736	1738	1741	rVV4	2081	2384	0.34%	0.028%
49	13.105	1745	1747	1750	rVB3	1514	1938	0.27%	0.023%
50	13.158	1754	1756	1762	rVB5	2362	3098	0.44%	0.036%
51	13.240	1765	1770	1774	rVB7	2378	3533	0.50%	0.041%
52	13.305	1774	1781	1787	rVB5	7391	14322	2.02%	0.167%
53	13.587	1825	1829	1834	rBV4	4715	9551	1.35%	0.111%
54	13.658	1840	1841	1847	rVB5	1361	2137	0.30%	0.025%
55	13.887	1877	1880	1883	rBV6	1022	1818	0.26%	0.021%
56	13.969	1884	1894	1899	rVV5	7518	19754	2.79%	0.230%
57	14.110	1912	1918	1923	rVV2	13949	25672	3.62%	0.299%
58	14.181	1923	1930	1935	rVV	151290	261412	36.88%	3.040%
59	14.228	1935	1938	1947	rVB	45938	83568	11.79%	0.972%
60	14.339	1953	1957	1961	rBV4	6156	9967	1.41%	0.116%
61	14.480	1974	1981	1994	rBV	203186	400667	56.52%	4.660%
62	14.609	2001	2003	2007	rVB5	3384	3977	0.56%	0.046%
63	14.656	2007	2011	2014	rBV3	7223	8238	1.16%	0.096%
64	14.686	2014	2016	2019	rVB4	2188	1848	0.26%	0.021%
65	14.786	2023	2033	2040	rBV2	326627	582773	82.22%	6.778%
66	14.856	2040	2045	2049	rVV3	10064	18615	2.63%	0.216%
67	14.997	2063	2069	2076	rBV8	15082	38188	5.39%	0.444%
68	15.179	2094	2100	2106	rBV6	10541	22166	3.13%	0.258%
69	15.256	2109	2113	2120	rVB5	12701	23924	3.38%	0.278%
70	15.309	2120	2122	2123	rBV2	2313	1808	0.26%	0.021%
71	15.391	2132	2136	2140	rBV7	9598	17248	2.43%	0.201%

LSC Area Percent Report

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Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

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-BG052116.M
Title : SVOA CALIBRATION

72	15.450	2142	2146	2152	rVB6	7463	14799	2.09%	0.172%
73	15.561	2159	2165	2168	rBV6	10527	22394	3.16%	0.260%
74	15.602	2169	2172	2176	rVB3	12937	16050	2.26%	0.187%
75	15.661	2178	2182	2185	rVV4	7033	8178	1.15%	0.095%
76	15.773	2195	2201	2207	rBV	236784	396678	55.96%	4.613%
77	15.832	2207	2211	2218	rVB	33453	51521	7.27%	0.599%
78	15.896	2218	2222	2229	rBV3	19767	30921	4.36%	0.360%
79	16.002	2236	2240	2246	rVB8	8679	15011	2.12%	0.175%
80	16.231	2277	2279	2281	rBV3	4064	4216	0.59%	0.049%
81	16.266	2283	2285	2286	rBV2	3839	3778	0.53%	0.044%
82	16.490	2315	2323	2330	rBV7	23913	60501	8.54%	0.704%
83	16.977	2403	2406	2409	rBV4	7304	9570	1.35%	0.111%
84	17.259	2449	2454	2458	rBV8	13905	23893	3.37%	0.278%
85	17.347	2466	2469	2474	rVB2	14128	23026	3.25%	0.268%
86	17.530	2494	2500	2504	rBV	314512	549372	77.50%	6.389%
87	17.571	2504	2507	2513	rVB	267326	407054	57.43%	4.734%
88	17.629	2513	2517	2522	rBV2	189462	319115	45.02%	3.711%
89	18.041	2585	2587	2593	rVB3	16391	24565	3.47%	0.286%
90	18.405	2645	2649	2653	rBV	49048	74483	10.51%	0.866%
91	18.452	2653	2657	2664	rVB	61673	100926	14.24%	1.174%
92	18.534	2667	2671	2676	rBV2	20309	33535	4.73%	0.390%
93	18.599	2677	2682	2686	rBV3	79655	155210	21.90%	1.805%
94	18.893	2729	2732	2737	rBV	35031	49936	7.04%	0.581%
95	19.310	2800	2803	2808	rVB3	24273	35225	4.97%	0.410%
96	19.574	2843	2848	2854	rBV	413996	624067	88.04%	7.258%
97	19.909	2900	2905	2907	rBV	289418	467973	66.02%	5.443%
98	19.939	2907	2910	2917	rVB	442694	667303	94.14%	7.761%
99	21.813	3222	3229	3234	rBV2	313833	708836	100.00%	8.244%
100	25.156	3793	3798	3809	rVB2	136765	376058	53.05%	4.374%

Sum of corrected areas: 8598442

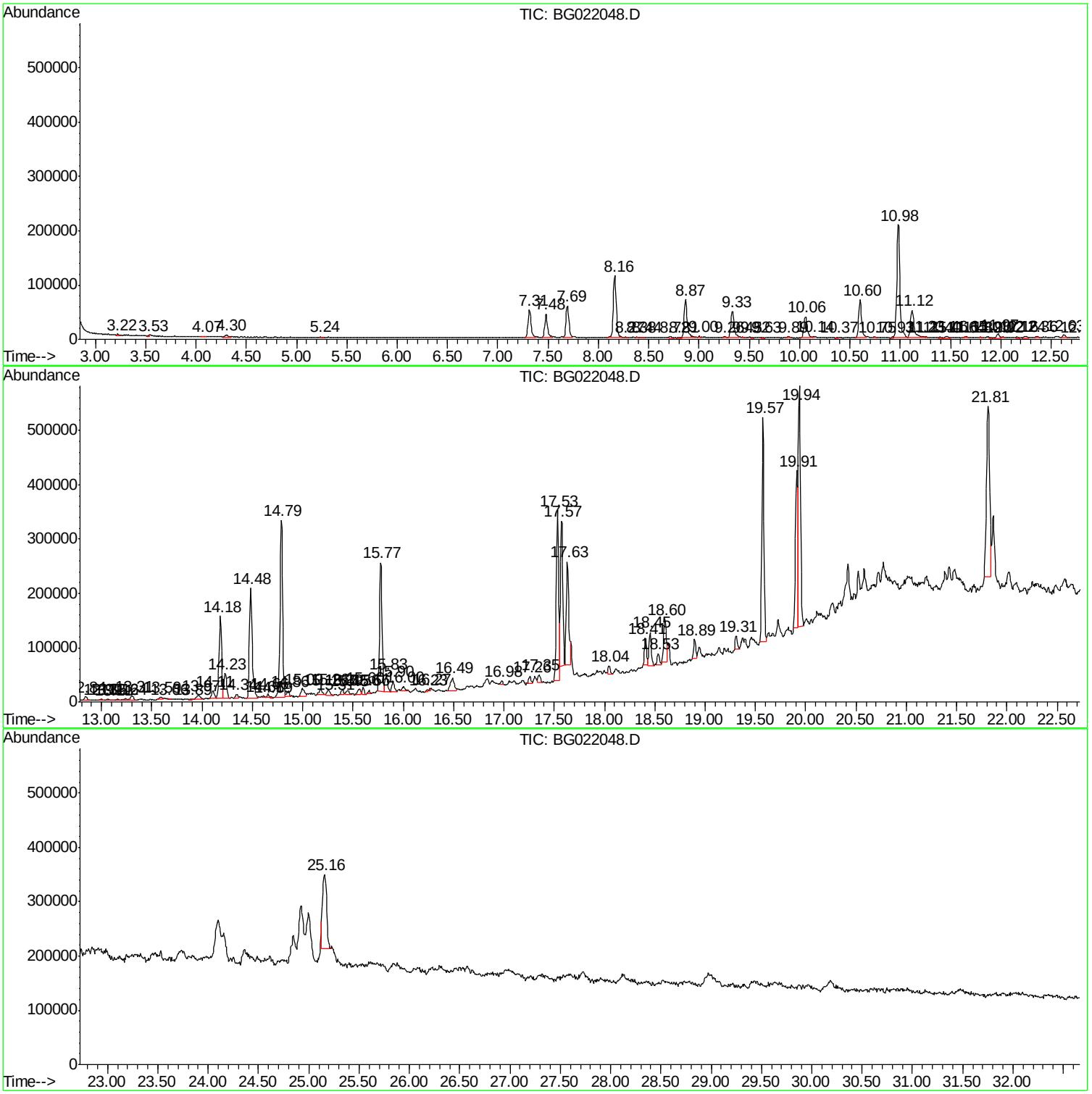
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
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Sample : H3124-15
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

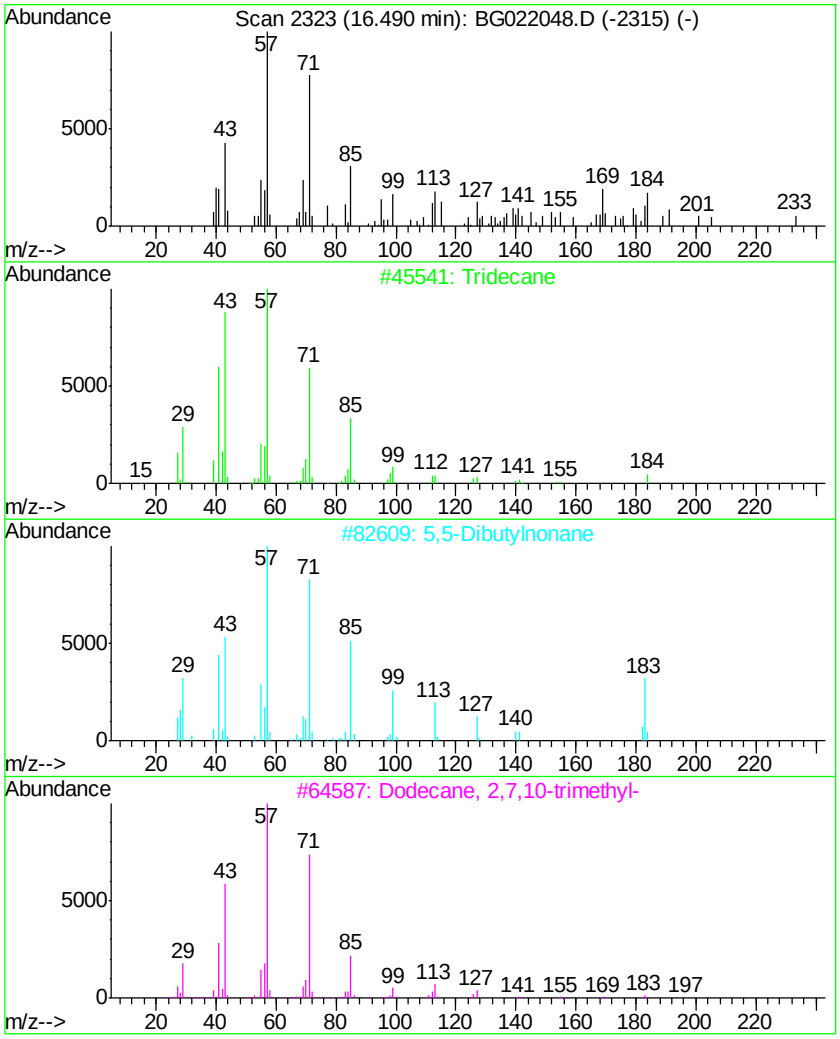
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

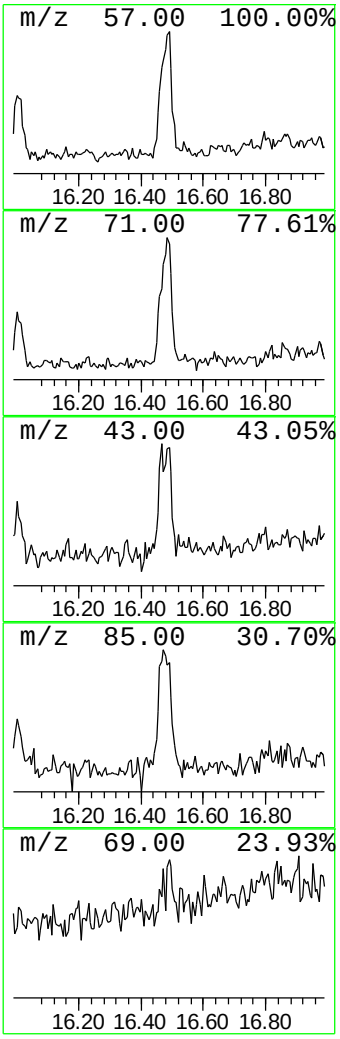
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.20 ng/ul	60501	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	49
2	5,5-Dibutylnonane	240	C17H36	006008-17-9	47
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	47
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	47
5	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

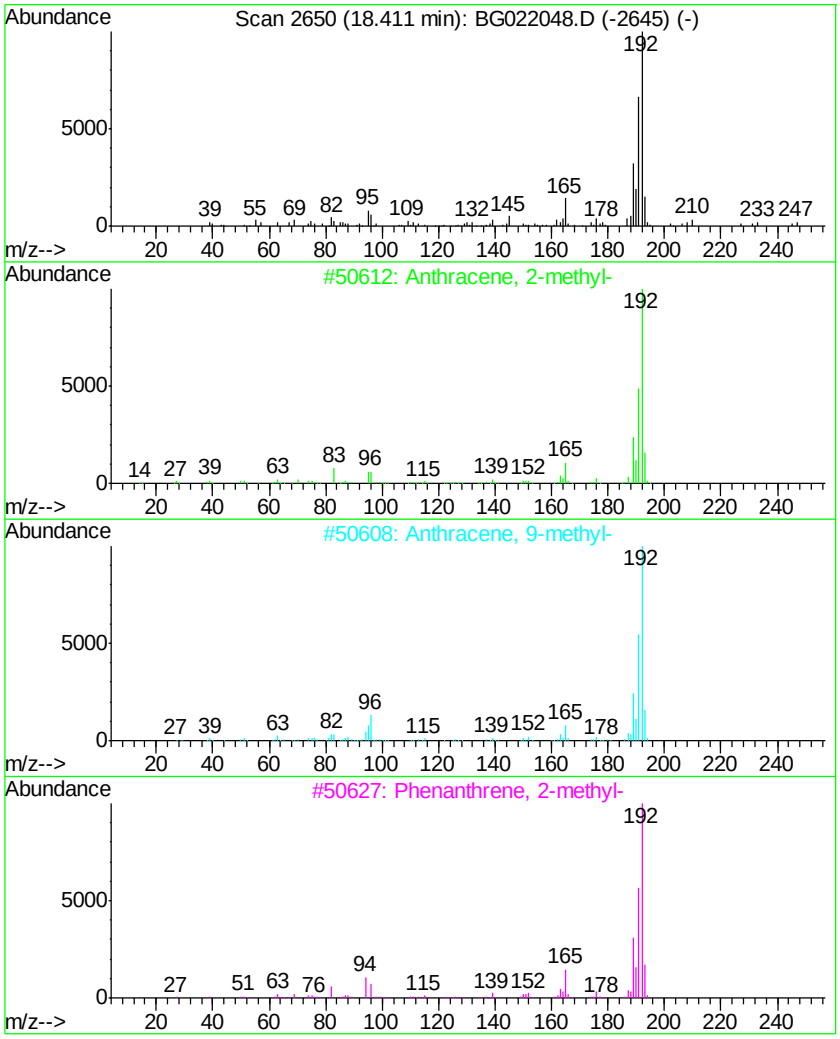
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

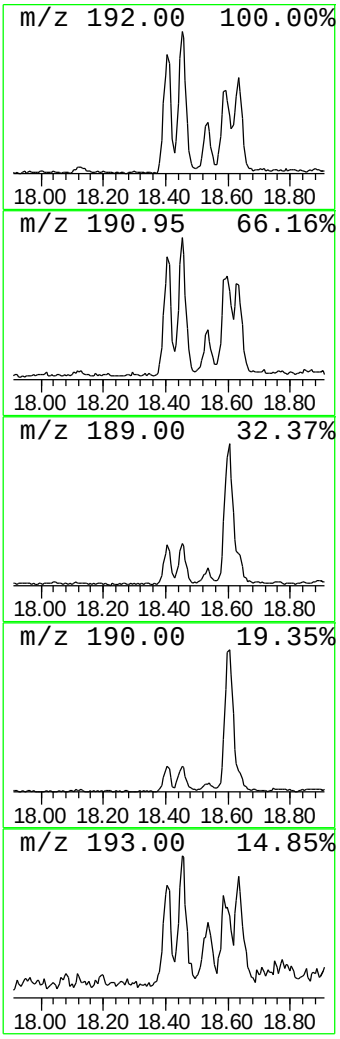
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	2.71 ng/ul	74483	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

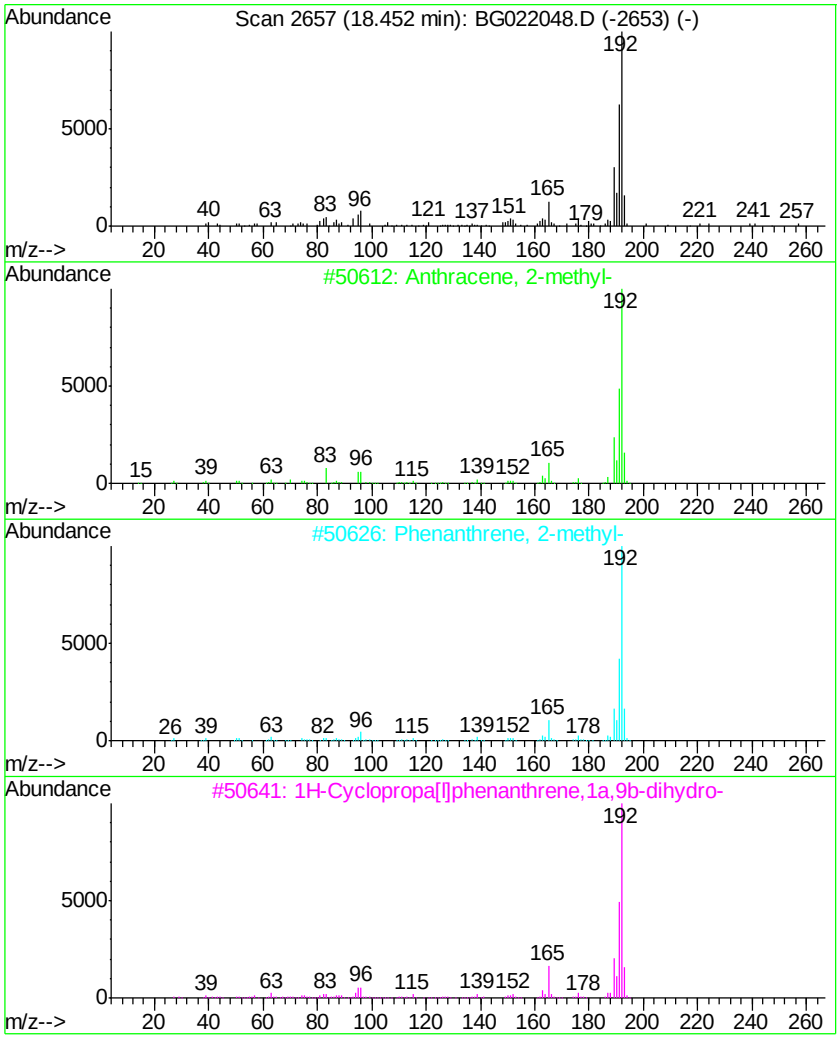
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

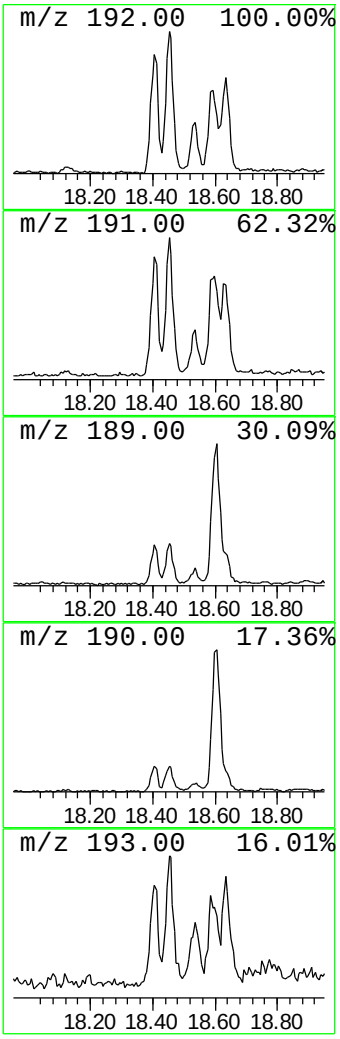
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.67 ng/ul	100926	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

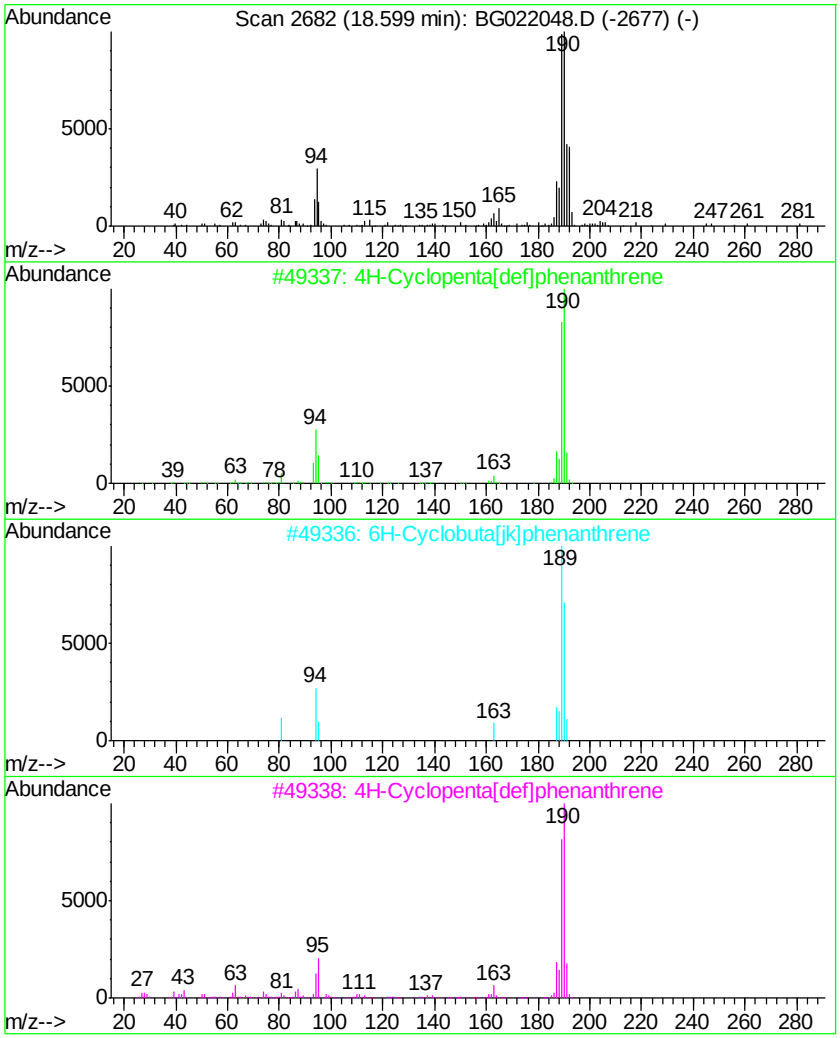
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

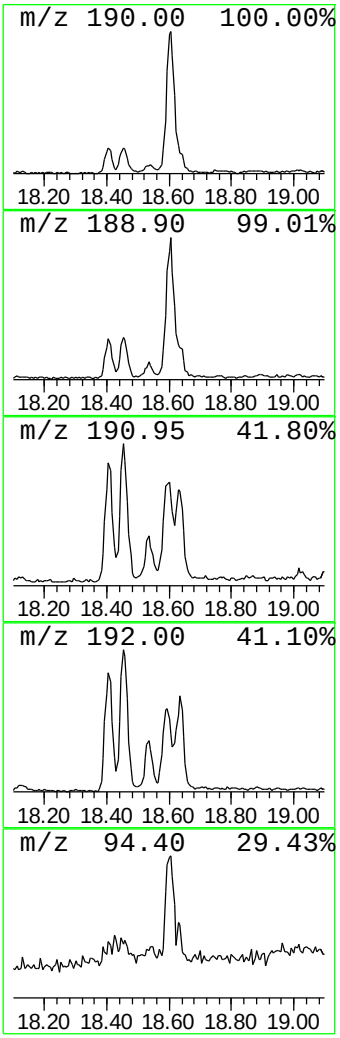
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	5.65 ng/ul	155210	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022048.D
Acq On : 23 May 2016 15:56
Operator : UM/SJ
Sample : H3124-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	16.49	2.2	ng/ul	60501	4	17.53	549372	20.0
Anthracene, 2-met...	18.41	2.7	ng/ul	74483	4	17.53	549372	20.0
Phenanthrene, 2-m...	18.45	3.7	ng/ul	100926	4	17.53	549372	20.0
4H-Cyclopenta[def...	18.60	5.7	ng/ul	155210	4	17.53	549372	20.0