LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

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-BG121415.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	3.117	43	47	52	rBV3	7151	10902	1.98%	0.265%
2	3.193	57	60	64	rVB2	2206	2600	0.47%	0.063%
3	7.247	747	750	755	rBV	997	1542	0.28%	0.037%
4	7.412	774	778	782	rBB	1209	1683	0.30%	0.041%
5	7.623	810	814	818	rBB	1167	1757	0.32%	0.043%
6	8.087	887	893	901	rBB	52349	90489	16.40%	2.197%
7	8.634	981	986	991	rBB	2689	4034	0.73%	0.098%
8	8.804	1010	1015	1019	rBB	992	1623	0.29%	0.039%
9	9.262	1089	1093	1098	rBB	1470	2181	0.40%	0.053%
10	10.526	1305	1308	1313	rBB	1424	2201	0.40%	0.053%
11	10.908	1366	1373	1377	rBV	84329	146049	26.47%	3.546%
12	10.955	1377	1381	1393	rVB	77210	140456	25.45%	3.410%
13	11.043	1393	1396	1398	rBV	1160	1360	0.25%	0.033%
14	12.559	1647	1654	1663	rBB	42921	73138	13.25%	1.776%
15	12.776	1683	1691	1699	rBB	22429	34310	6.22%	0.833%
16	13.557	1818	1824	1830	rBB2	18218	26033	4.72%	0.632%
17	13.751	1853	1857	1864	rBV2	4279	7058	1.28%	0.171%
18	13.892	1874	1881	1888	rBB3	5825	14461	2.62%	0.351%
19	14.039	1901	1906	1912	rBV2	9396	15930	2.89%	0.387%
20	14.098	1912	1916	1917	rBV2	6104	7179	1.30%	0.174%
21	14.163	1924	1927	1933	rVB	1118	1597	0.29%	0.039%
22	14.274	1943	1946	1950	rBV2	2951	4213	0.76%	0.102%
23	14.415	1965	1970	1973	rBV2	5380	8197	1.49%	0.199%
24	14.721	2012	2022	2028	rBV2	143328	243829	44.19%	5.920%
25	14.785	2028	2033	2041	rVV	115108	177993	32.25%	4.322%
26	14.850	2041	2044	2050	rVB	3629	5414	0.98%	0.131%
27	14.926	2052	2057	2061	rBV2	1401	2457	0.45%	0.060%
28	15.032	2069	2075	2079	rVB	3247	4234	0.77%	0.103%
29	15.120	2084	2090	2098	rBV	77816	116139	21.05%	2.820%
30	15.191	2098	2102	2106	rVB	1916	2477	0.45%	0.060%
31	15.338	2122	2127	2132	rBB2	1473	2076	0.38%	0.050%
32	15.385	2132	2135	2140	rBB	1425	1968	0.36%	0.048%
33	15.708	2187	2190	2194	rVV2	9232	12668	2.30%	0.308%
34	15.767	2194	2200	2209	rVV	102528	154330	27.97%	3.747%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

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-BG121415.M
Title : SVOA CALIBRATION

35	15.861	2212	2216	2218	rBV	3696	5198	0.94%	0.126%
36	15.890	2218	2221	2224	rVV3	5391	8343	1.51%	0.203%
37	15.925	2224	2227	2232	rVV3	11037	15405	2.79%	0.374%
38	15.978	2232	2236	2239	rVV3	2184	3549	0.64%	0.086%
39	16.013	2239	2242	2246	rVV2	5299	7406	1.34%	0.180%
40	16.060	2246	2250	2256	rVB	11586	17115	3.10%	0.416%
41	16.201	2266	2274	2284	rVB	13331	26362	4.78%	0.640%
42	16.295	2285	2290	2294	rBB	2001	2811	0.51%	0.068%
43	16.560	2331	2335	2339	rVB2	2841	3739	0.68%	0.091%
44	16.724	2359	2363	2364	rBV	1867	1747	0.32%	0.042%
45	16.765	2364	2370	2375	rVV3	7625	14252	2.58%	0.346%
46	16.824	2375	2380	2385	rVB3	2847	4538	0.82%	0.110%
47	16.871	2385	2388	2391	rBV3	1161	1744	0.32%	0.042%
48	16.918	2391	2396	2401	rVB4	2785	5109	0.93%	0.124%
49	16.995	2401	2409	2412	rBV3	2377	5458	0.99%	0.133%
50	17.036	2412	2416	2420	rVB2	2237	3195	0.58%	0.078%
51	17.118	2427	2430	2436	rVB4	1553	2470	0.45%	0.060%
52	17.200	2438	2444	2446	rVV2	3215	5769	1.05%	0.140%
53	17.218	2446	2447	2451	rVV	2497	1605	0.29%	0.039%
54	17.282	2454	2458	2466	rVB	21825	31815	5.77%	0.772%
55	17.465	2483	2489	2493	rBV2	199039	314650	57.02%	7.640%
56	17.512	2493	2497	2503	rVV	374716	551836	100.00%	13.399%
57	17.570	2503	2507	2508	rVV2	9684	14193	2.57%	0.345%
58	17.600	2508	2512	2516	rVB	19650	28961	5.25%	0.703%
59	17.870	2551	2558	2564	rBV	11467	17906	3.24%	0.435%
60	17.982	2573	2577	2581	rVB	3961	4783	0.87%	0.116%
61	18.046	2584	2588	2595	rBV3	1428	2687	0.49%	0.065%
62	18.193	2607	2613	2617	rVB2	1394	2937	0.53%	0.071%
63	18.340	2631	2638	2642	rBV2	18290	26722	4.84%	0.649%
64	18.387	2642	2646	2652	rVB	24606	32880	5.96%	0.798%
65	18.469	2654	2660	2665	rBV	6455	10663	1.93%	0.259%
66	18.540	2665	2672	2676	rBV2	39443	67257	12.19%	1.633%
67	18.687	2691	2697	2702	rBB3	1415	2324	0.42%	0.056%
68	18.775	2709	2712	2715	rBV2	1037	1692	0.31%	0.041%
69	18.834	2718	2722	2727	rVV	15049	20963	3.80%	0.509%
70	18.881	2727	2730	2735	rVB2	2899	3781	0.69%	0.092%
71	18.957	2740	2743	2747	rVV2	960	1488	0.27%	0.036%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

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-BG121415.M
Title : SVOA CALIBRATION

72	19.069	2760	2762	2769	rBV2	1924	2826	0.51%	0.069%
73	19.127	2769	2772	2776	rVV2	2085	2347	0.43%	0.057%
74	19.163	2776	2778	2782	rVB2	1672	1933	0.35%	0.047%
75	19.245	2787	2792	2797	rBV4	3993	6857	1.24%	0.166%
76	19.315	2798	2804	2807	rBV5	2505	3971	0.72%	0.096%
77	19.386	2812	2816	2818	rBV2	1143	1624	0.29%	0.039%
78	19.515	2832	2838	2845	rVV	227829	319116	57.83%	7.748%
79	19.568	2845	2847	2851	rVV2	3431	3684	0.67%	0.089%
80	19.603	2851	2853	2857	rVB4	1050	1355	0.25%	0.033%
81	19.703	2866	2870	2872	rVB4	1264	1682	0.30%	0.041%
82	19.762	2872	2880	2883	rBV	5173	7931	1.44%	0.193%
83	19.844	2888	2894	2896	rBV2	46300	70172	12.72%	1.704%
84	19.874	2896	2899	2907	rVV	143775	203745	36.92%	4.947%
85	19.938	2908	2910	2915	rVB3	5223	6575	1.19%	0.160%
86	20.050	2925	2929	2936	rVB2	7214	10059	1.82%	0.244%
87	20.191	2948	2953	2954	rBV	6524	7423	1.35%	0.180%
88	20.250	2960	2963	2968	rVB2	2976	2869	0.52%	0.070%
89	20.361	2978	2982	2987	rVB	19795	29590	5.36%	0.718%
90	20.461	2995	2999	3004	rBV	23042	29817	5.40%	0.724%
91	20.520	3004	3009	3012	rBV5	5169	8774	1.59%	0.213%
92	20.661	3028	3033	3037	rBV2	2311	4067	0.74%	0.099%
93	20.708	3037	3041	3044	rBV4	3809	4666	0.85%	0.113%
94	20.890	3069	3072	3074	rBV	2199	2131	0.39%	0.052%
95	21.313	3141	3144	3148	rBV3	4984	5597	1.01%	0.136%
96	21.360	3149	3152	3156	rVB2	4260	5194	0.94%	0.126%
97	21.407	3156	3160	3163	rBV2	3187	4470	0.81%	0.109%
98	21.742	3208	3217	3222	rBV	232871	446498	80.91%	10.841%
99	21.942	3247	3251	3257	rVB3	6133	10798	1.96%	0.262%
100	25.015	3764	3774	3793	rBV2	92899	316875	57.42%	7.694%

Sum of corrected areas: 4118577

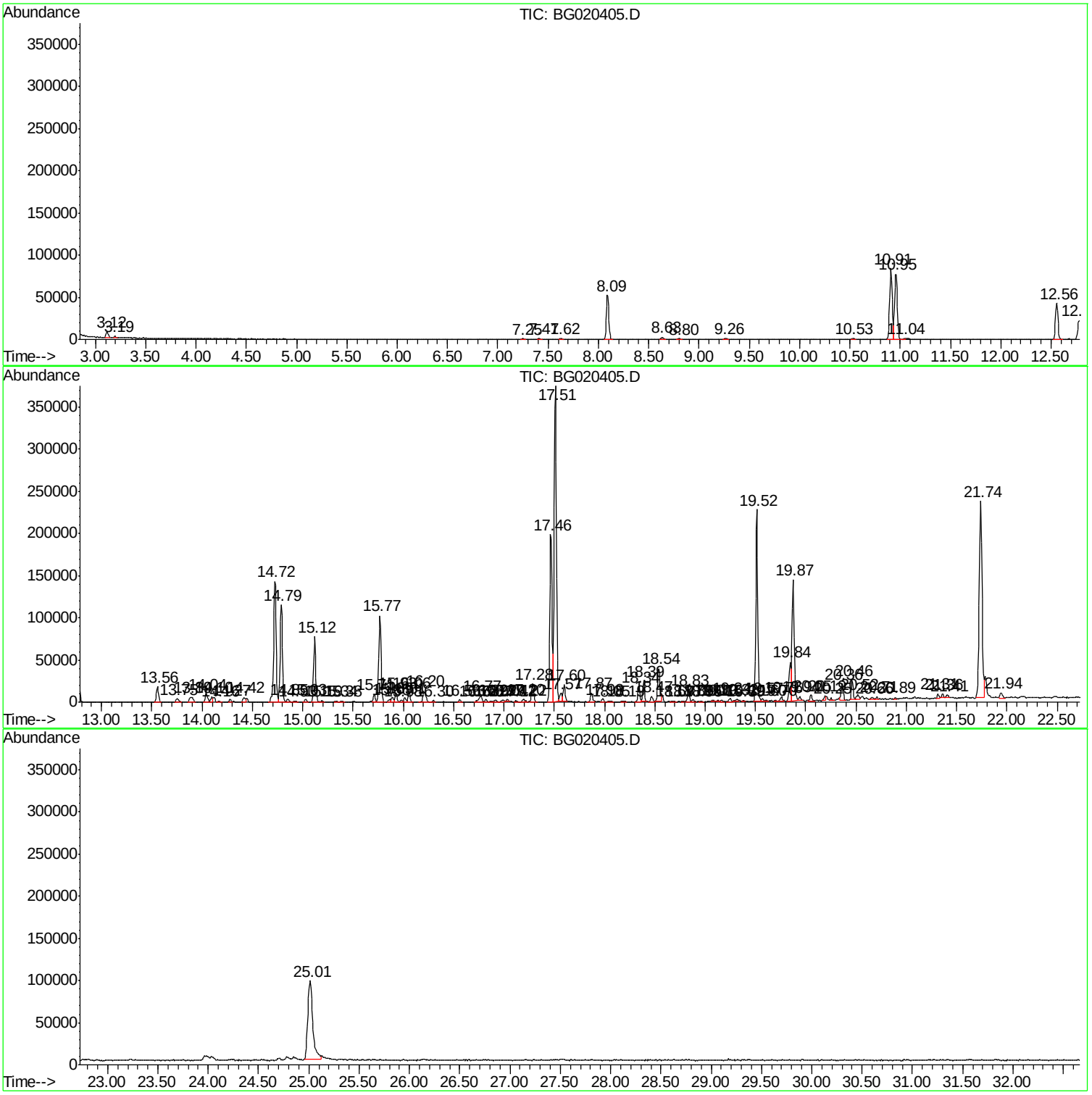
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

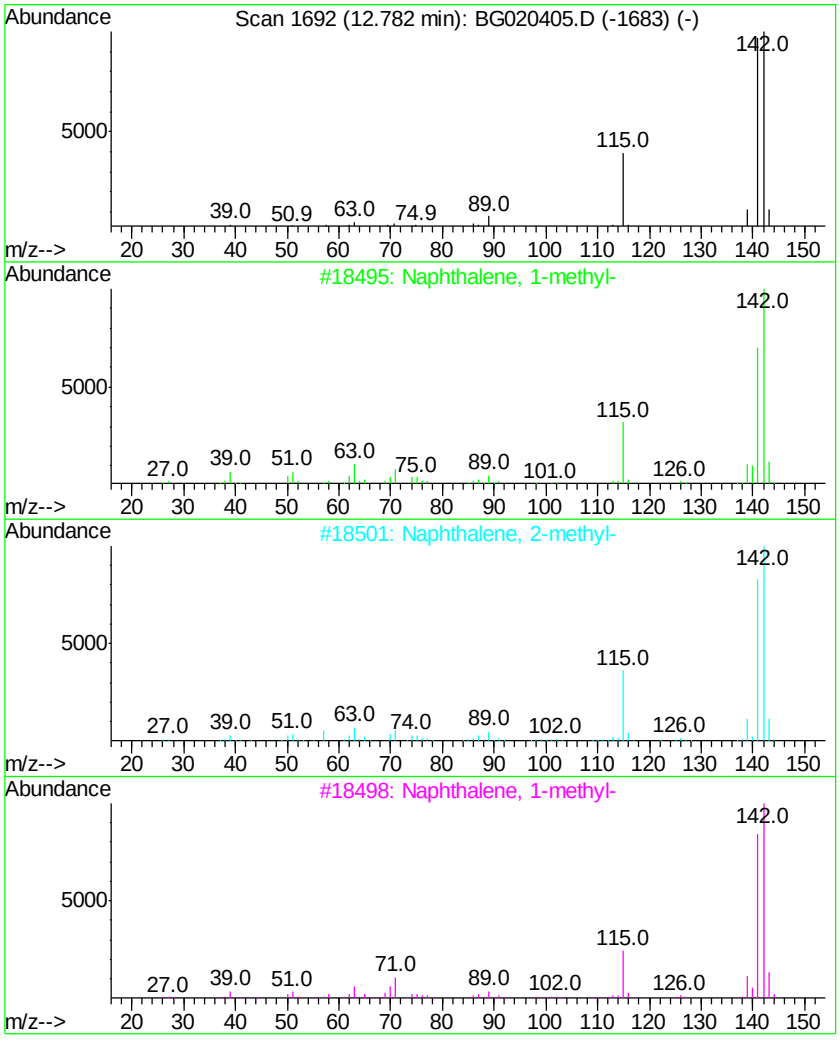
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

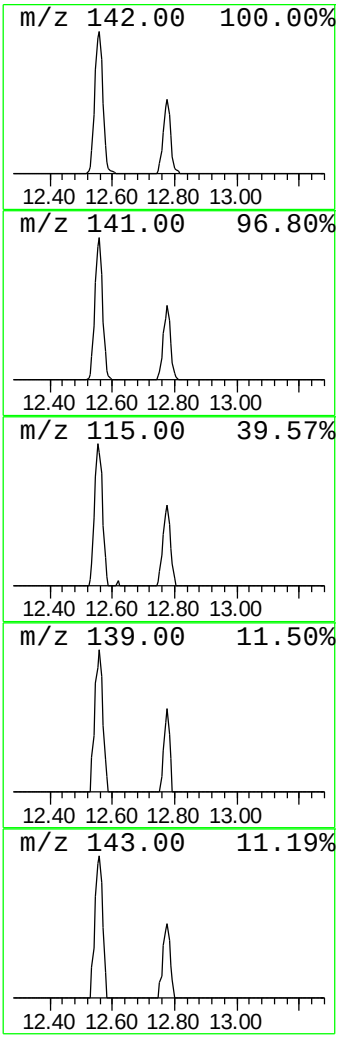
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	4.70 ng/ul	34310	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

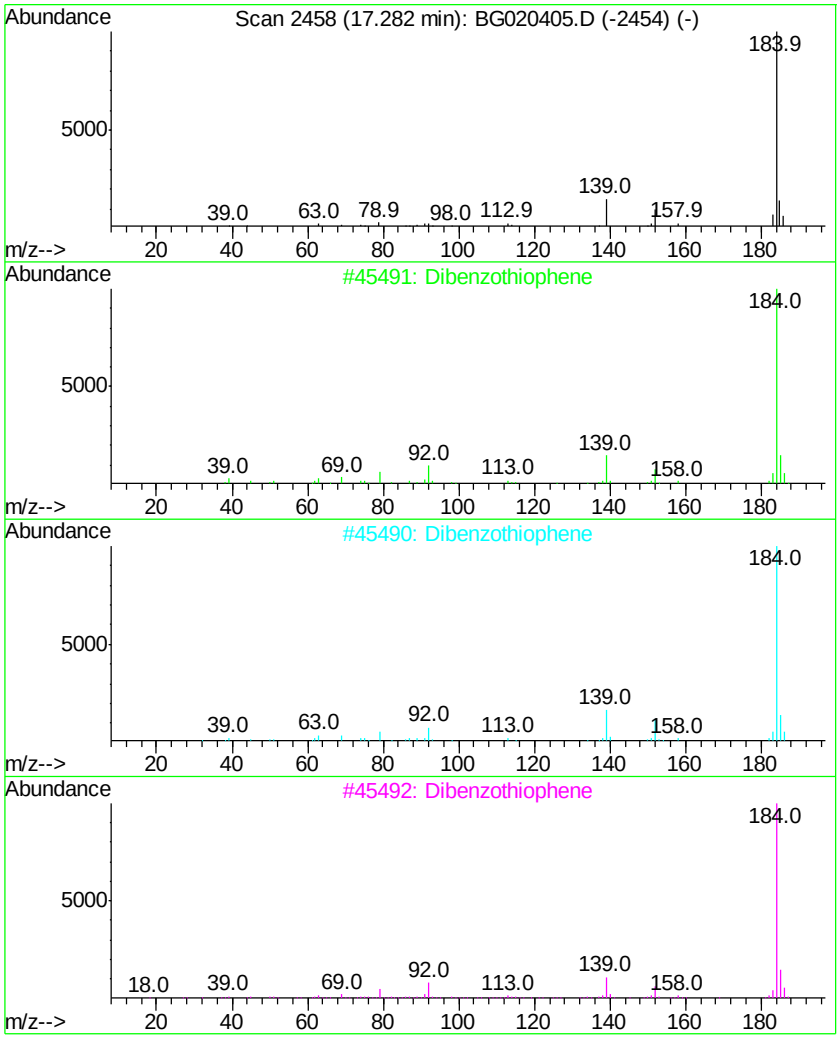
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

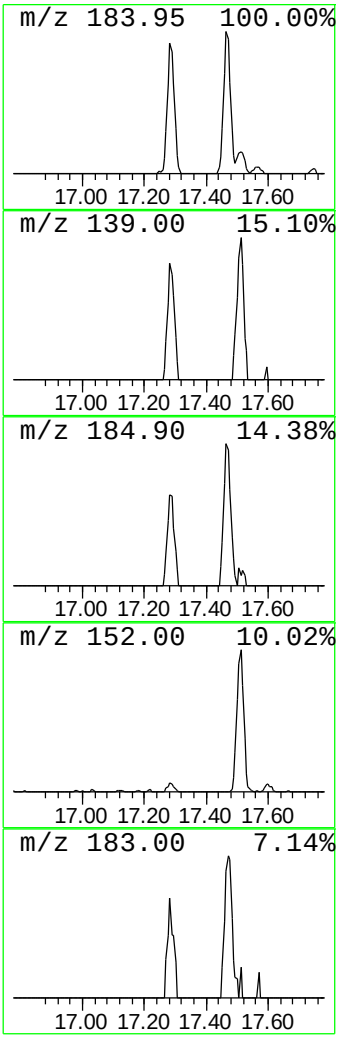
****

Peak Number 3 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	2.02 ng/ul	31815	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

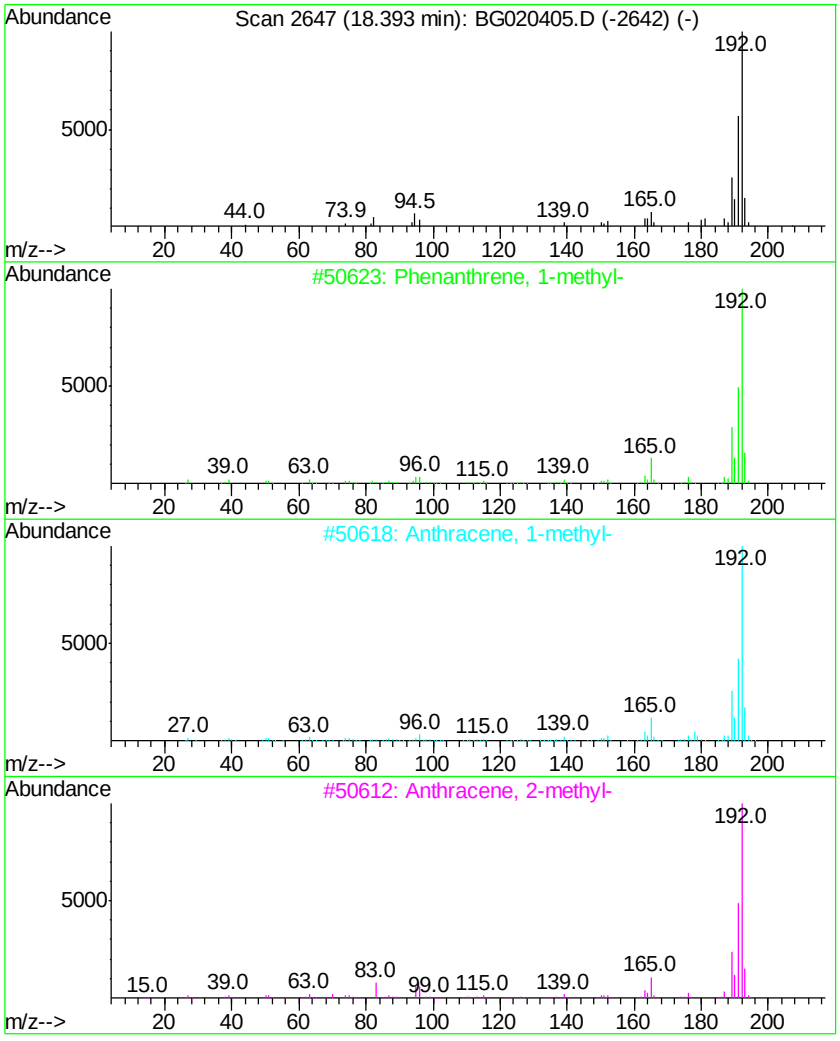
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

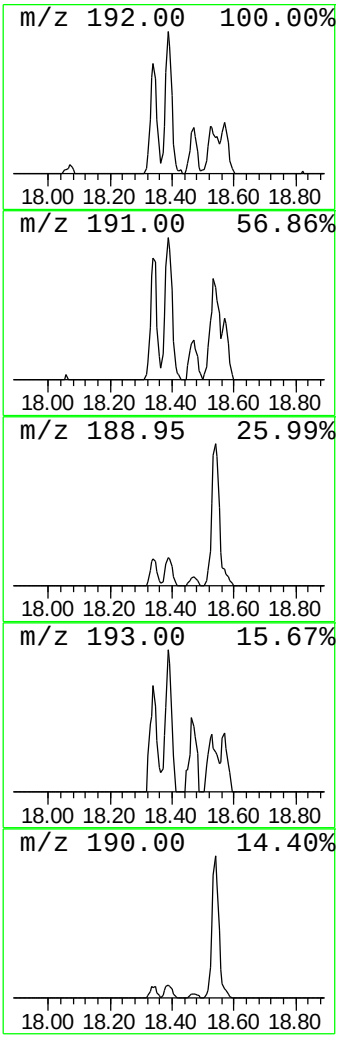
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.09 ng/ul	32880	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

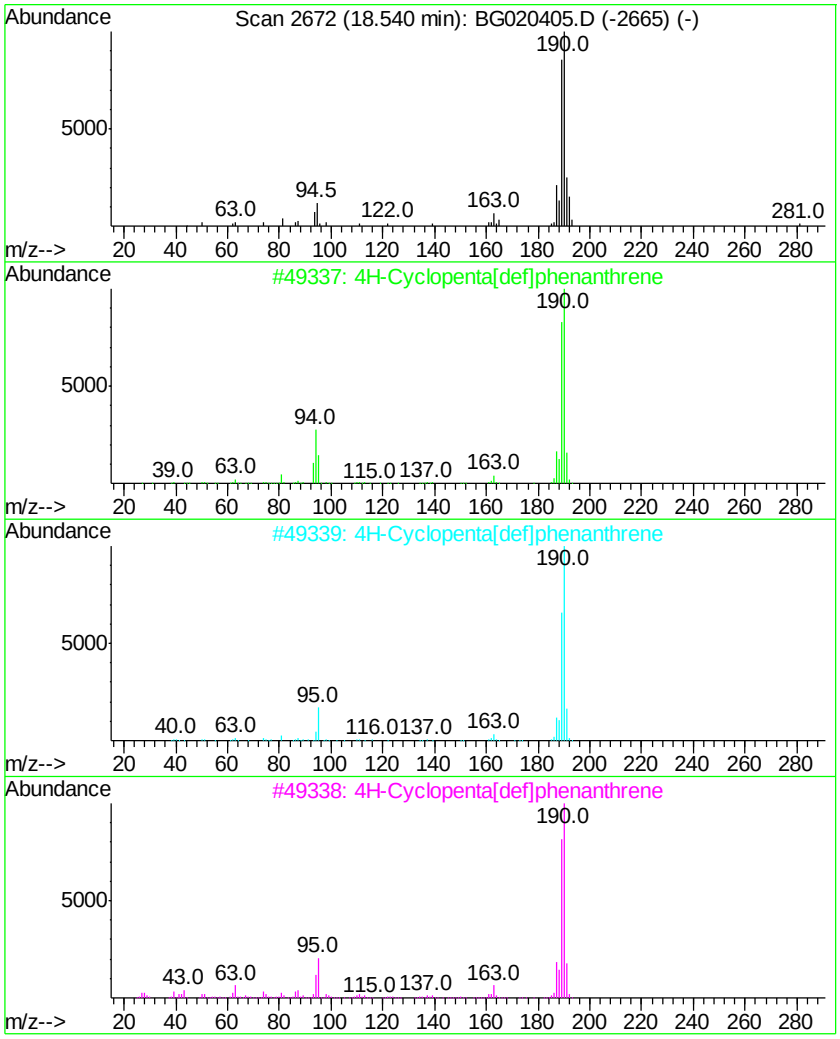
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

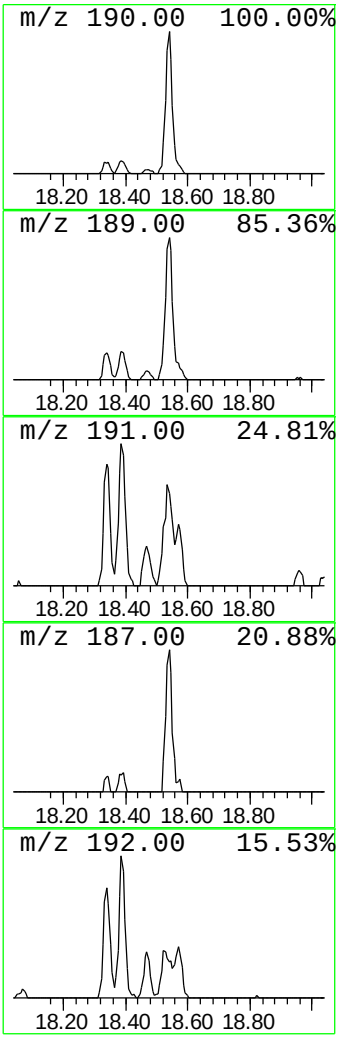
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	4.28 ng/ul	67257	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
Data File : BG020405.D
Acq On : 22 Dec 2015 9:25
Operator : UM/SJ
Sample : G4848-15DL 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Naphthalene, 1-me...	12.78	4.7	ng/ul	34310	2	10.91	146049	20.0
Dibenzothiophene	17.28	2.0	ng/ul	31815	4	17.46	314650	20.0
Phenanthrene, 1-m...	18.39	2.1	ng/ul	32880	4	17.46	314650	20.0
4H-Cyclopenta[def...	18.54	4.3	ng/ul	67257	4	17.46	314650	20.0