LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

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-BG030316.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	3.191	56	60	63	rBV3	2826	4196	1.17%	0.118%
2	3.268	69	73	76	rVB2	4037	5420	1.51%	0.153%
3	3.532	115	118	122	rBV2	1318	1483	0.41%	0.042%
4	4.061	204	208	212	rVB4	1680	2197	0.61%	0.062%
5	5.213	399	404	408	rVV2	1090	1532	0.43%	0.043%
6	7.269	749	754	762	rBV	34375	56965	15.82%	1.607%
7	7.445	778	784	791	rBV	25685	41901	11.64%	1.182%
8	7.651	814	819	827	rBB	32626	53489	14.86%	1.509%
9	8.127	893	900	906	rBV	46660	79081	21.96%	2.231%
10	8.168	906	907	911	rVB	704	740	0.21%	0.021%
11	8.820	1010	1018	1025	rBV	36952	63956	17.76%	1.804%
12	9.284	1091	1097	1105	rBB	33993	58836	16.34%	1.660%
13	9.372	1109	1112	1118	rBB2	2693	3804	1.06%	0.107%
14	9.672	1160	1163	1167	rBB	436	677	0.19%	0.019%
15	10.007	1215	1220	1227	rBB2	28362	49008	13.61%	1.383%
16	10.548	1305	1312	1320	rBB	38332	66278	18.41%	1.870%
17	10.929	1371	1377	1384	rBV	70960	125543	34.87%	3.542%
18	10.982	1384	1386	1393	rVB2	1280	1783	0.50%	0.050%
19	11.065	1394	1400	1405	rBV4	7020	11470	3.19%	0.324%
20	12.575	1653	1657	1660	rBB	1255	1849	0.51%	0.052%
21	13.098	1742	1746	1750	rBB2	637	902	0.25%	0.025%
22	13.615	1829	1834	1838	rBB2	1678	2102	0.58%	0.059%
23	14.061	1905	1910	1912	rVB2	717	815	0.23%	0.023%
24	14.132	1915	1922	1926	rBV	77179	106963	29.71%	3.018%
25	14.179	1926	1930	1936	rVB	34581	46186	12.83%	1.303%
26	14.425	1965	1972	1979	rBV	81895	126134	35.03%	3.559%
27	14.608	1998	2003	2006	rBB	4077	4665	1.30%	0.132%
28	14.731	2018	2024	2031	rVB2	105954	168621	46.83%	4.757%
29	14.796	2031	2035	2040	rBB	5669	7825	2.17%	0.221%
30	14.913	2050	2055	2063	rBV	28274	45600	12.67%	1.287%
31	15.066	2077	2081	2083	rBB2	563	777	0.22%	0.022%
32	15.130	2084	2092	2099	rBB2	7013	11494	3.19%	0.324%
33	15.219	2103	2107	2111	rBB2	1133	1396	0.39%	0.039%
34	15.506	2153	2156	2160	rBV	1566	2415	0.67%	0.068%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

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-BG030316.M
Title : SVOA CALIBRATION

35	15.553	2160	2164	2168	rVB	7645	9394	2.61%	0.265%
36	15.612	2171	2174	2179	rBB	550	708	0.20%	0.020%
37	15.718	2184	2192	2198	rBV	113936	161859	44.96%	4.567%
38	15.771	2198	2201	2206	rVV2	5385	7603	2.11%	0.215%
39	15.824	2206	2210	2218	rVB	33449	47812	13.28%	1.349%
40	15.959	2227	2233	2237	rBB3	2275	4868	1.35%	0.137%
41	16.053	2247	2249	2250	rBV	1558	1306	0.36%	0.037%
42	16.106	2256	2258	2261	rVB2	1282	1081	0.30%	0.030%
43	16.170	2267	2269	2272	rBV	658	769	0.21%	0.022%
44	16.206	2272	2275	2282	rVB	1344	2727	0.76%	0.077%
45	16.411	2306	2310	2318	rBV2	8429	14644	4.07%	0.413%
46	16.588	2338	2340	2344	rVB2	1024	1020	0.28%	0.029%
47	16.758	2363	2369	2376	rVB5	1350	3134	0.87%	0.088%
48	16.817	2376	2379	2381	rBV3	1058	1338	0.37%	0.038%
49	16.917	2390	2396	2402	rBV3	1477	2006	0.56%	0.057%
50	17.034	2414	2416	2419	rBB	833	975	0.27%	0.028%
51	17.116	2427	2430	2436	rVB3	3731	5316	1.48%	0.150%
52	17.204	2440	2445	2450	rBV3	12126	15786	4.38%	0.445%
53	17.257	2450	2454	2456	rVV3	2385	3085	0.86%	0.087%
54	17.293	2456	2460	2462	rVV	2676	3352	0.93%	0.095%
55	17.310	2462	2463	2467	rVB	1870	1319	0.37%	0.037%
56	17.469	2484	2490	2494	rBV	140977	206711	57.41%	5.832%
57	17.510	2494	2497	2502	rVB	73318	100411	27.89%	2.833%
58	17.569	2502	2507	2511	rBV2	113994	169832	47.17%	4.791%
59	17.663	2518	2523	2529	rBV3	1220	2162	0.60%	0.061%
60	17.827	2548	2551	2552	rBV	1308	1225	0.34%	0.035%
61	17.863	2552	2557	2562	rVV3	4951	8121	2.26%	0.229%
62	17.939	2565	2570	2575	rBV2	3996	5525	1.53%	0.156%
63	17.986	2575	2578	2582	rVB2	885	1221	0.34%	0.034%
64	18.033	2582	2586	2593	rBV2	16247	21885	6.08%	0.617%
65	18.203	2612	2615	2619	rBV2	854	1045	0.29%	0.029%
66	18.274	2624	2627	2633	rBV3	2279	3486	0.97%	0.098%
67	18.333	2633	2637	2643	rBV3	31480	43128	11.98%	1.217%
68	18.385	2643	2646	2651	rVB	10523	13843	3.84%	0.391%
69	18.468	2656	2660	2665	rVB2	3501	5148	1.43%	0.145%
70	18.532	2665	2671	2676	rBV4	10929	22300	6.19%	0.629%
71	18.626	2684	2687	2692	rBV2	2956	4309	1.20%	0.122%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

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-BG030316.M
Title : SVOA CALIBRATION

72	18.732	2700	2705	2707	rBV2	15408	20541	5.71%	0.580%
73	18.756	2707	2709	2714	rVV5	11432	12284	3.41%	0.347%
74	18.832	2718	2722	2725	rVV2	4344	5880	1.63%	0.166%
75	18.873	2725	2729	2733	rVV5	8288	13405	3.72%	0.378%
76	18.914	2733	2736	2738	rVV2	1031	1235	0.34%	0.035%
77	18.955	2741	2743	2745	rVB	1103	726	0.20%	0.020%
78	19.073	2759	2763	2768	rBV3	1984	3493	0.97%	0.099%
79	19.126	2768	2772	2776	rBV4	3321	4733	1.31%	0.134%
80	19.161	2776	2778	2780	rBV2	1285	1133	0.31%	0.032%
81	19.208	2783	2786	2789	rBV3	12021	12815	3.56%	0.362%
82	19.249	2789	2793	2796	rVB3	3760	4478	1.24%	0.126%
83	19.290	2798	2800	2802	rBV3	1127	1049	0.29%	0.030%
84	19.390	2813	2817	2822	rVB4	3134	5446	1.51%	0.154%
85	19.443	2824	2826	2828	rBV3	2006	2266	0.63%	0.064%
86	19.508	2832	2837	2842	rBV	91663	125466	34.85%	3.540%
87	19.602	2849	2853	2857	rBV3	13296	16824	4.67%	0.475%
88	19.649	2857	2861	2866	rVB2	57799	72408	20.11%	2.043%
89	19.719	2872	2873	2874	rBV	1831	964	0.27%	0.027%
90	19.837	2884	2893	2897	rBV	176374	360033	100.00%	10.158%
91	19.937	2907	2910	2916	rVB3	5475	7902	2.19%	0.223%
92	20.048	2925	2929	2933	rVB	6151	9580	2.66%	0.270%
93	20.172	2946	2950	2959	rBV6	12731	23112	6.42%	0.652%
94	20.354	2978	2981	2987	rVB2	15139	20837	5.79%	0.588%
95	20.454	2995	2998	3002	rVB	9401	10727	2.98%	0.303%
96	20.659	3029	3033	3035	rBV4	4925	6993	1.94%	0.197%
97	21.353	3147	3151	3156	rBV5	21525	32496	9.03%	0.917%
98	21.729	3207	3215	3220	rBV2	160936	329260	91.45%	9.289%
99	24.754	3724	3730	3737	rVB	57835	141142	39.20%	3.982%
100	24.984	3760	3769	3778	rBV2	89327	240694	66.85%	6.791%

Sum of corrected areas: 3544479

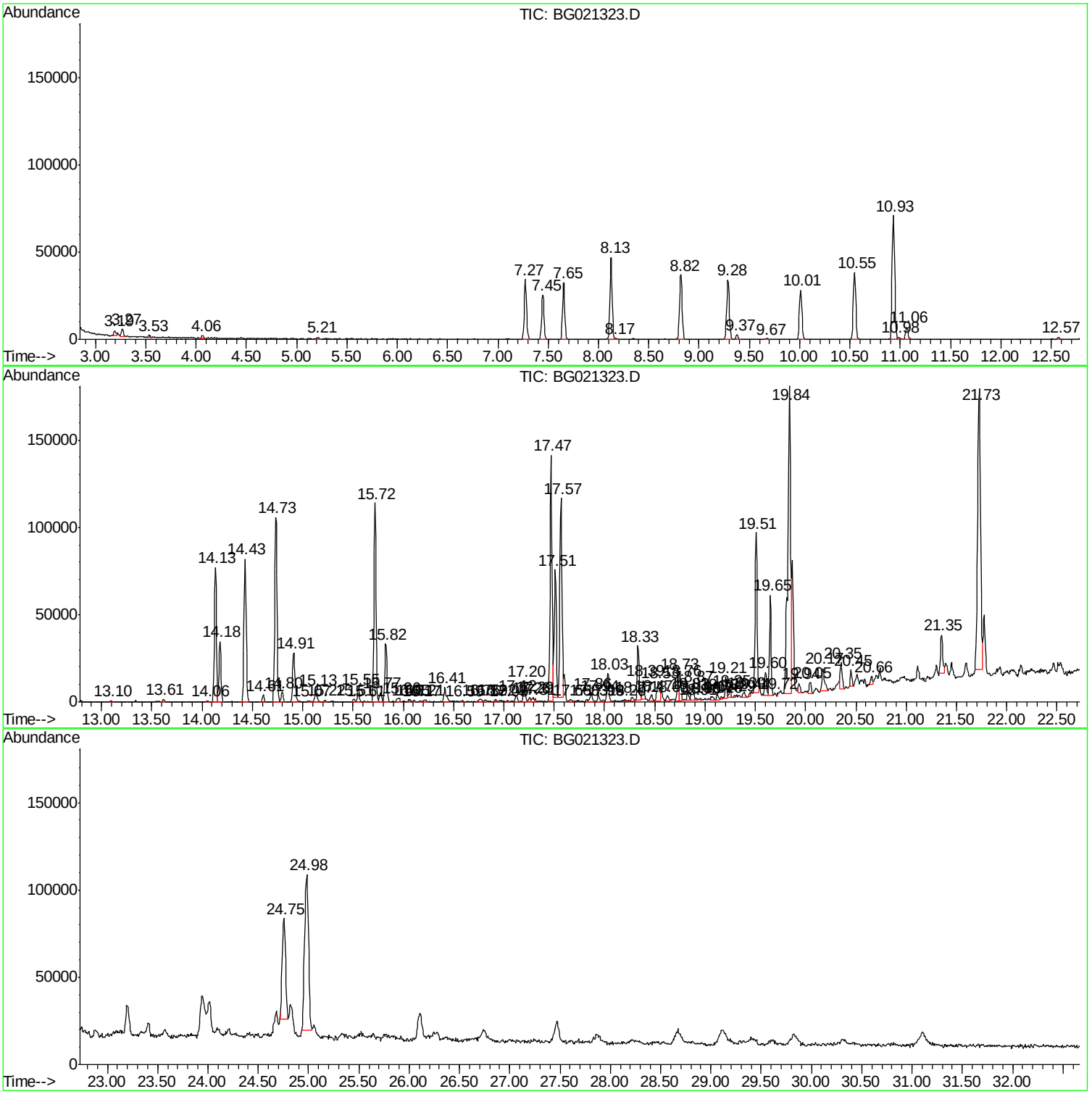
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

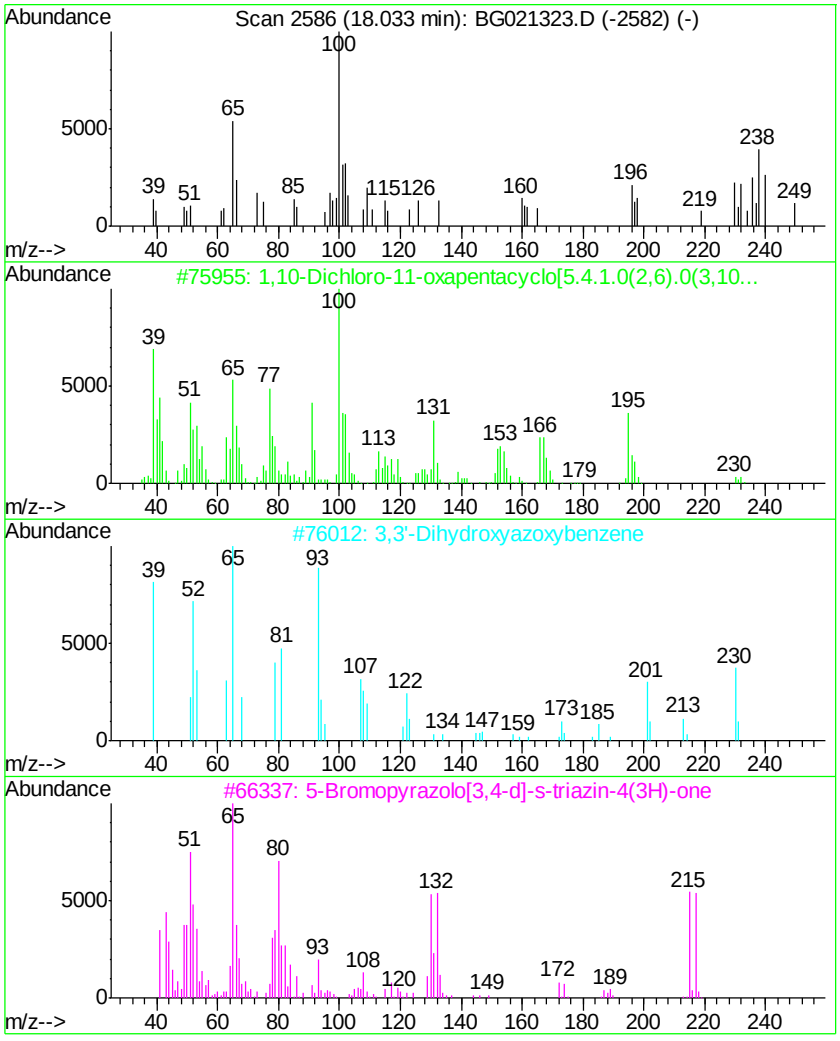
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

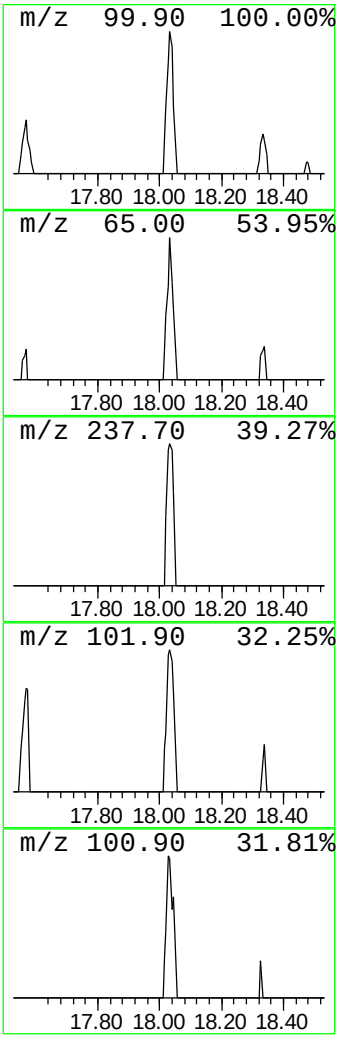
****

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	2.12 ng/ul	21885	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,10-Dichloro-11-oxapentacyclo[5...	230	C11H12Cl2O	1000297-54-6	40
2	3,3'-Dihydroxyazoxybenzene	230	C12H10N2O3	017540-51-1	22
3	5-Bromopyrazolo[3,4-d]-s-triazin...	215	C4H2BrN5O	1000212-45-5	17
4	5-Spirohexanone, 4,4-dichloro-	164	C6H6Cl2O	138469-23-5	10
5	Phenol, 4-iodo-	220	C6H5IO	000540-38-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

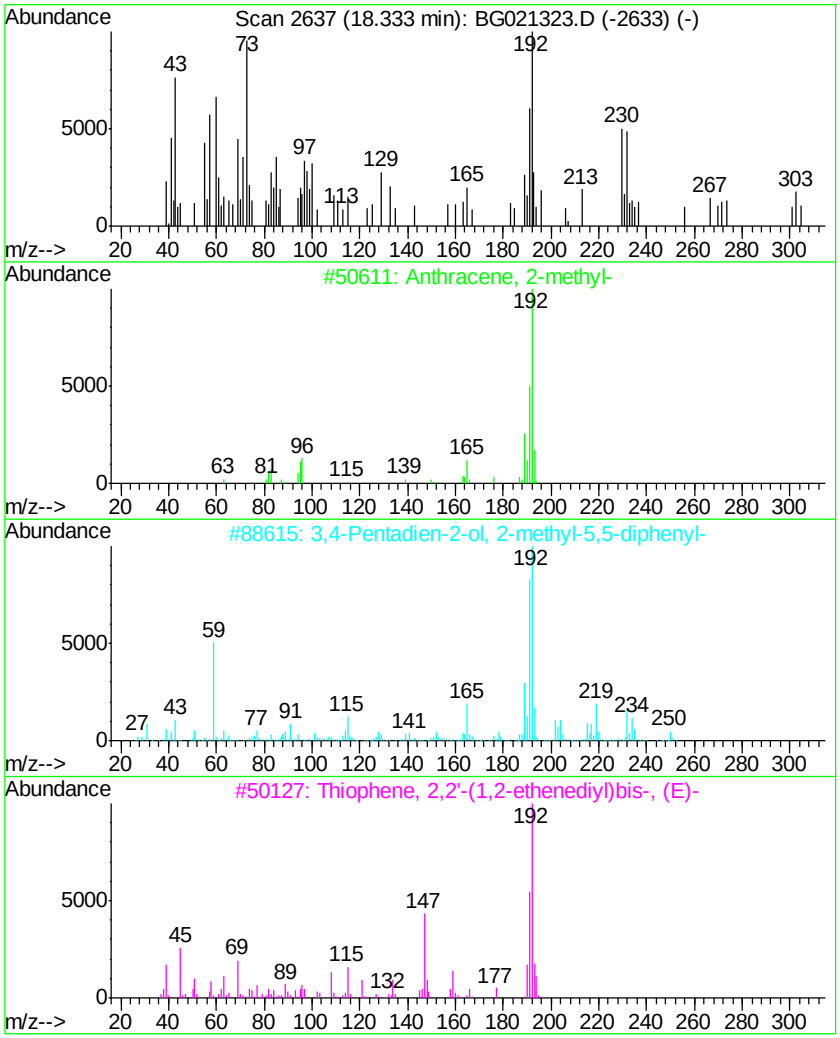
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

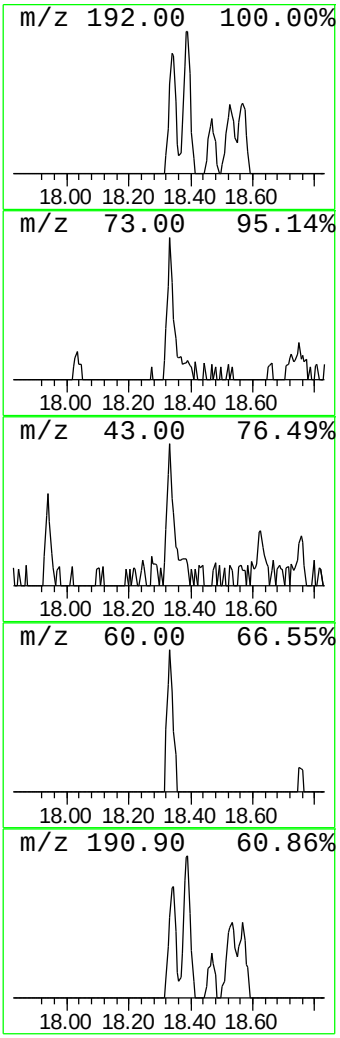
****

Peak Number 2 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.17 ng/ul	43128	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
2	3,4-Pentadien-2-ol, 2-methyl-5,5...	250	C18H18O	057169-35-4	27
3	Thiophene, 2,2'-(1,2-ethenediyl)...	192	C10H8S2	013640-78-3	25
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

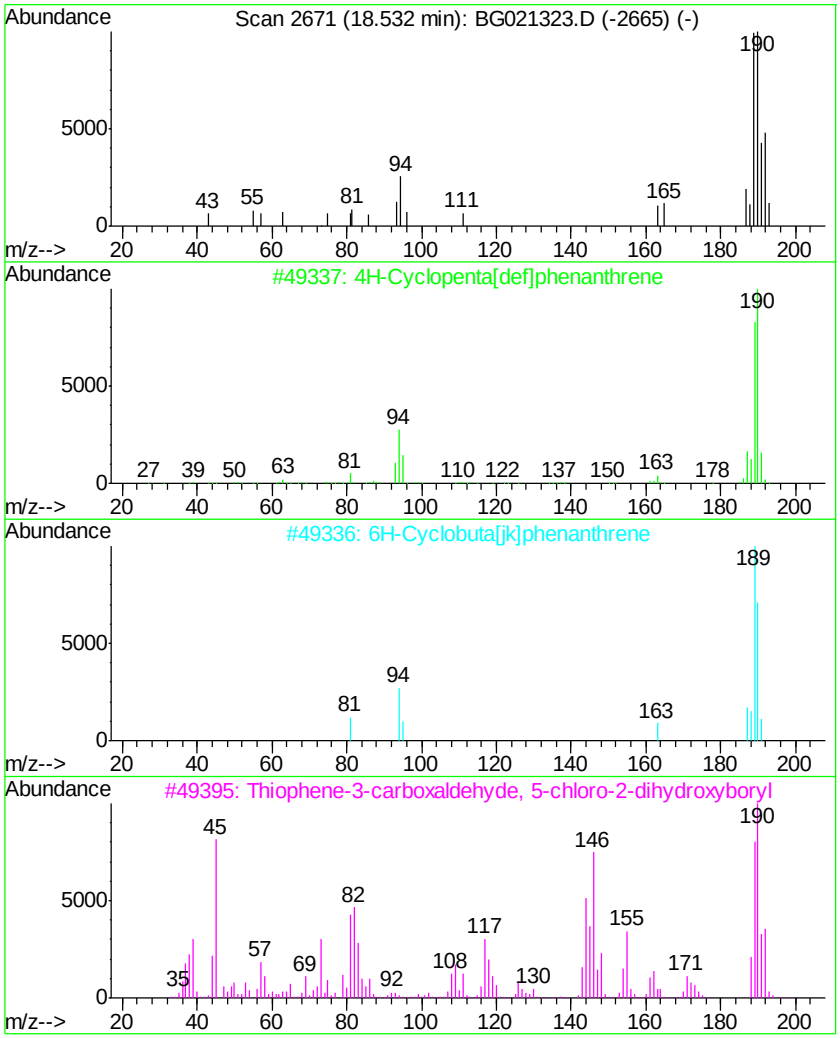
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

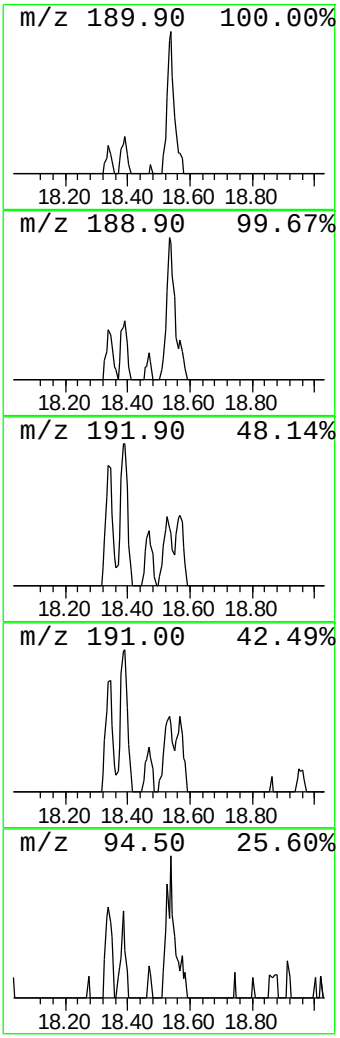
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	2.16 ng/ul	22300	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	2-Ethylthio-5-chloro-pyrimidin-4...	190	C6H7ClN2OS	106146-79-6	12





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021323.D
Acq On : 6 Mar 2016 3:05
Operator : UM/SJ
Sample : H1650-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-B140

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.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
unknown-01	18.03	2.1	ng/ul	21885	4	17.47	206711	20.0
unknown-02	18.33	4.2	ng/ul	43128	4	17.47	206711	20.0
4H-Cyclopenta[def...	18.53	2.2	ng/ul	22300	4	17.47	206711	20.0