LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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	3.104	41	45	50	rBV2	5946	8873	1.15%	0.139%
2	8.086	886	893	903	rVB2	63555	119199	15.42%	1.872%
3	8.621	979	984	992	rVB	5460	8898	1.15%	0.140%
4	8.862	1020	1025	1031	rBV	2032	3952	0.51%	0.062%
5	10.531	1304	1309	1314	rBB3	2176	3844	0.50%	0.060%
6	10.901	1364	1372	1376	rBV	102989	192584	24.91%	3.025%
7	10.954	1376	1381	1389	rVB	167708	303375	39.23%	4.766%
8	11.071	1394	1401	1407	rVB3	4384	7940	1.03%	0.125%
9	12.552	1645	1653	1660	rBV	89339	150782	19.50%	2.369%
10	12.769	1679	1690	1698	rBB	43300	72274	9.35%	1.135%
11	13.551	1815	1823	1830	rBB	28015	42985	5.56%	0.675%
12	13.750	1851	1857	1864	rBB2	9050	14941	1.93%	0.235%
13	13.880	1872	1879	1888	rBB4	13247	34275	4.43%	0.538%
14	14.032	1900	1905	1911	rBV2	19640	34582	4.47%	0.543%
15	14.091	1911	1915	1917	rBV2	12461	16146	2.09%	0.254%
16	14.162	1924	1927	1931	rVB	3375	3845	0.50%	0.060%
17	14.273	1941	1946	1949	rBV2	7849	10472	1.35%	0.165%
18	14.408	1964	1969	1972	rBV	7314	12078	1.56%	0.190%
19	14.438	1972	1974	1979	rVB2	8558	10875	1.41%	0.171%
20	14.720	2011	2022	2027	rBV2	183969	321789	41.61%	5.055%
21	14.778	2027	2032	2039	rVV	175073	277884	35.94%	4.365%
22	14.843	2039	2043	2049	rVB2	6208	8931	1.15%	0.140%
23	14.919	2052	2056	2059	rVV2	2526	4247	0.55%	0.067%
24	15.025	2063	2074	2078	rBV4	5382	11228	1.45%	0.176%
25	15.113	2083	2089	2097	rVV	117706	180391	23.33%	2.834%
26	15.184	2097	2101	2105	rVB2	4213	6138	0.79%	0.096%
27	15.319	2118	2124	2130	rBV3	3099	5138	0.66%	0.081%
28	15.378	2130	2134	2140	rVB	3306	4443	0.57%	0.070%
29	15.701	2186	2189	2194	rVV3	10854	17073	2.21%	0.268%
30	15.760	2194	2199	2208	rVV2	162690	246692	31.90%	3.875%
31	15.854	2211	2215	2217	rVV3	6688	9677	1.25%	0.152%
32	15.883	2217	2220	2223	rVV2	10953	16193	2.09%	0.254%
33	15.924	2223	2227	2232	rVV3	20775	31538	4.08%	0.495%
34	15.971	2232	2235	2238	rVV2	3914	5789	0.75%	0.091%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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	16.012	2238	2242	2245	rVV2	9334	14717	1.90%	0.231%
36	16.053	2245	2249	2255	rVB	21876	32304	4.18%	0.507%
37	16.200	2264	2274	2283	rVV	25155	48330	6.25%	0.759%
38	16.288	2285	2289	2294	rVB2	3931	6113	0.79%	0.096%
39	16.553	2330	2334	2340	rVB	12969	16975	2.20%	0.267%
40	16.759	2358	2369	2375	rBV2	16000	35573	4.60%	0.559%
41	16.817	2375	2379	2383	rVV3	4631	7135	0.92%	0.112%
42	16.911	2391	2395	2400	rVB3	6711	9981	1.29%	0.157%
43	16.982	2400	2407	2411	rBV5	4734	11459	1.48%	0.180%
44	17.029	2411	2415	2418	rVB3	5280	6713	0.87%	0.105%
45	17.111	2425	2429	2437	rVB4	3461	6065	0.78%	0.095%
46	17.187	2437	2442	2450	rBV5	6168	18342	2.37%	0.288%
47	17.281	2453	2458	2465	rVB	33376	48382	6.26%	0.760%
48	17.464	2482	2489	2492	rBV	250104	392348	50.74%	6.163%
49	17.505	2492	2496	2502	rVV	537536	773259	100.00%	12.147%
50	17.558	2502	2505	2508	rVV3	14523	24116	3.12%	0.379%
51	17.593	2508	2511	2517	rVB	32357	45020	5.82%	0.707%
52	17.863	2551	2557	2566	rBV	21903	36839	4.76%	0.579%
53	17.975	2572	2576	2580	rVB3	6735	8208	1.06%	0.129%
54	18.045	2583	2588	2593	rVB4	2102	3680	0.48%	0.058%
55	18.180	2606	2611	2617	rBV2	2268	4925	0.64%	0.077%
56	18.333	2632	2637	2641	rBV	32842	45631	5.90%	0.717%
57	18.380	2641	2645	2652	rVB	43667	66158	8.56%	1.039%
58	18.462	2652	2659	2664	rBV2	13361	21173	2.74%	0.333%
59	18.533	2664	2671	2675	rBV2	60364	102985	13.32%	1.618%
60	18.639	2685	2689	2692	rVB2	2211	3256	0.42%	0.051%
61	18.674	2692	2695	2699	rBV2	2959	4097	0.53%	0.064%
62	18.827	2715	2721	2726	rBV	26391	35314	4.57%	0.555%
63	19.073	2758	2763	2768	rBV3	4805	6011	0.78%	0.094%
64	19.126	2768	2772	2775	rBV2	3913	4926	0.64%	0.077%
65	19.156	2775	2777	2782	rVB3	3460	4376	0.57%	0.069%
66	19.244	2786	2792	2797	rBV	7964	13129	1.70%	0.206%
67	19.308	2798	2803	2806	rBV3	3767	5936	0.77%	0.093%
68	19.379	2812	2815	2825	rVB4	3335	7294	0.94%	0.115%
69	19.508	2831	2837	2844	rVV	321397	446978	57.80%	7.021%
70	19.561	2844	2846	2849	rVV3	4129	4760	0.62%	0.075%
71	19.602	2849	2853	2857	rVB4	3521	5029	0.65%	0.079%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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	19.749	2873	2878	2887	rVB3	8951	16051	2.08%	0.252%
73	19.837	2887	2893	2895	rBV2	66034	98380	12.72%	1.545%
74	19.873	2895	2899	2906	rVV	195760	291330	37.68%	4.576%
75	19.937	2906	2910	2916	rVB3	10420	16213	2.10%	0.255%
76	20.049	2923	2929	2934	rBV	9990	15283	1.98%	0.240%
77	20.184	2947	2952	2954	rBV2	9244	15672	2.03%	0.246%
78	20.249	2959	2963	2970	rVB	4546	6479	0.84%	0.102%
79	20.319	2971	2975	2976	rBV3	4718	5095	0.66%	0.080%
80	20.360	2978	2982	2988	rVB	38070	50000	6.47%	0.785%
81	20.460	2991	2999	3003	rBV	40259	59175	7.65%	0.930%
82	20.519	3003	3009	3012	rVV4	9406	18009	2.33%	0.283%
83	20.554	3012	3015	3018	rVB	5613	7043	0.91%	0.111%
84	20.660	3030	3033	3036	rVB	4074	4077	0.53%	0.064%
85	20.701	3037	3040	3045	rVV2	4634	7097	0.92%	0.111%
86	20.783	3051	3054	3058	rVB4	4261	4358	0.56%	0.068%
87	20.883	3068	3071	3075	rBV3	5472	6648	0.86%	0.104%
88	21.083	3101	3105	3109	rBV7	2734	4934	0.64%	0.078%
89	21.312	3140	3144	3147	rBV2	7552	11054	1.43%	0.174%
90	21.353	3147	3151	3155	rVV	8631	11575	1.50%	0.182%
91	21.406	3155	3160	3165	rVB4	5937	9601	1.24%	0.151%
92	21.735	3206	3216	3221	rBV2	320749	595372	77.00%	9.353%
93	21.782	3221	3224	3232	rVB	35906	55617	7.19%	0.874%
94	21.941	3246	3251	3255	rBV2	6779	11937	1.54%	0.188%
95	22.152	3281	3287	3290	rBV6	4751	7772	1.01%	0.122%
96	22.458	3333	3339	3340	rBV7	3844	6213	0.80%	0.098%
97	23.968	3590	3596	3599	rBV2	8647	18069	2.34%	0.284%
98	24.690	3713	3719	3727	rBV4	4588	13922	1.80%	0.219%
99	24.767	3728	3732	3738	rVV2	5460	11987	1.55%	0.188%
100	25.002	3761	3772	3784	rBV	158099	460282	59.52%	7.230%

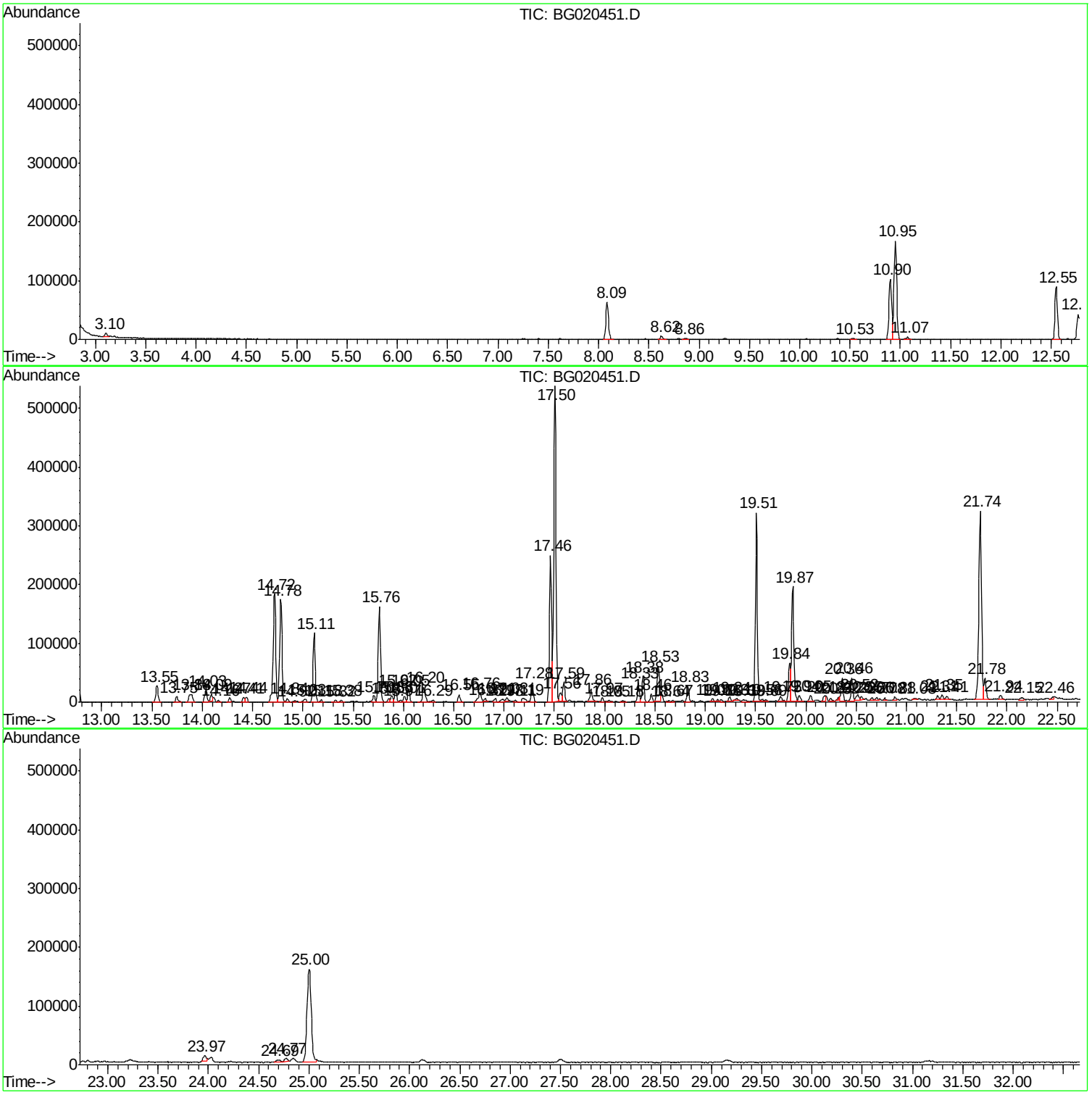
Sum of corrected areas: 6365853

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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

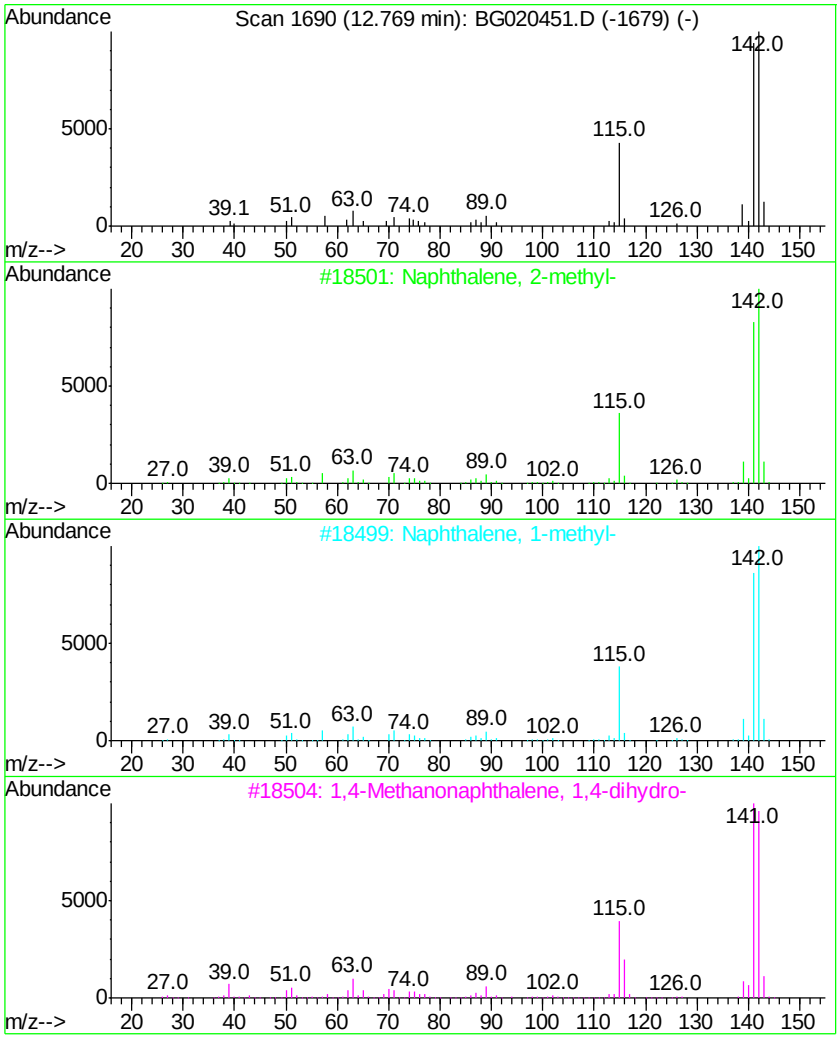
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

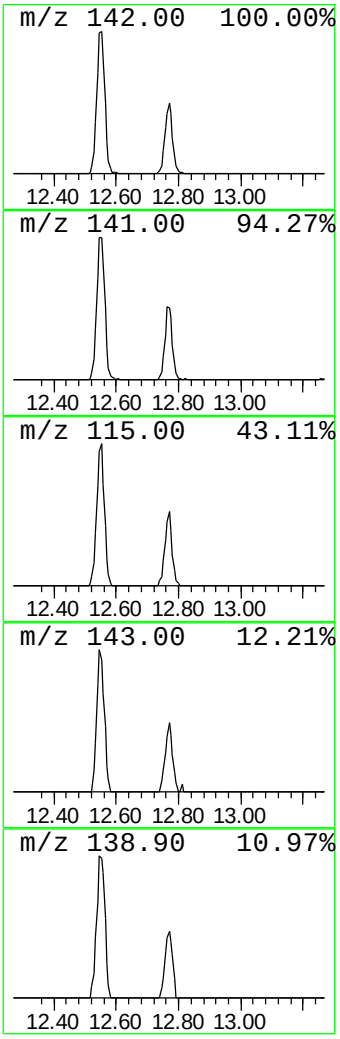
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	7.51 ng/ul	72274	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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

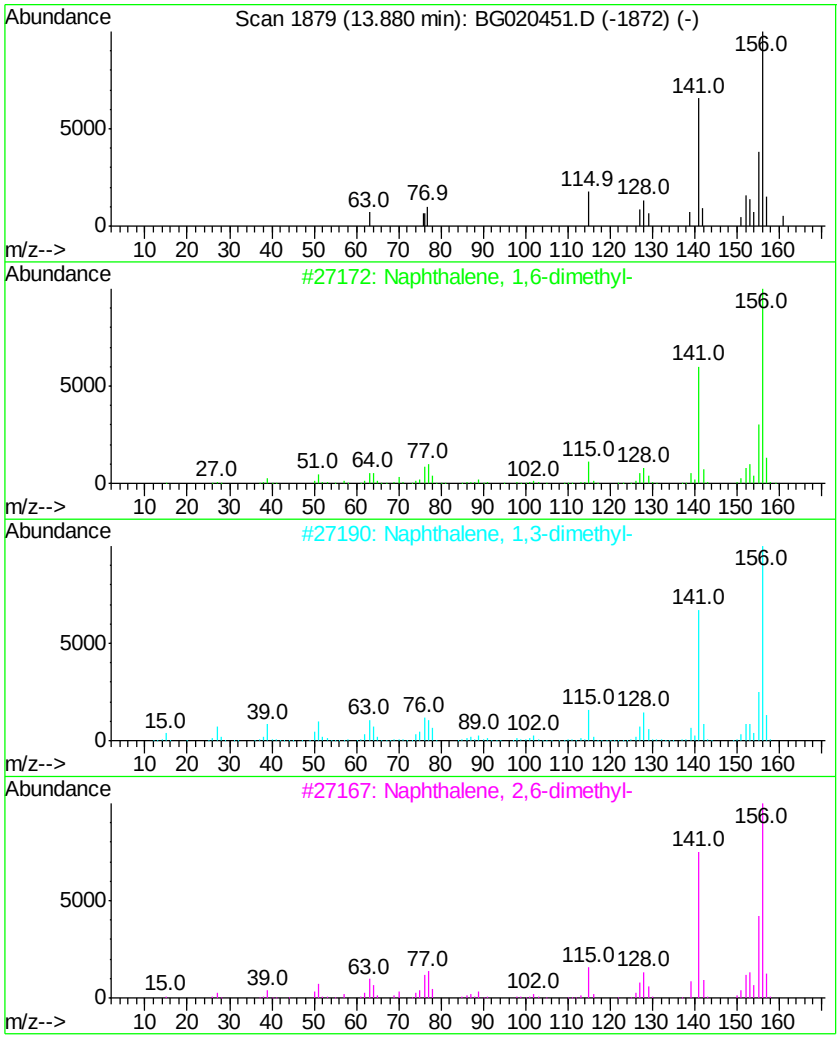
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

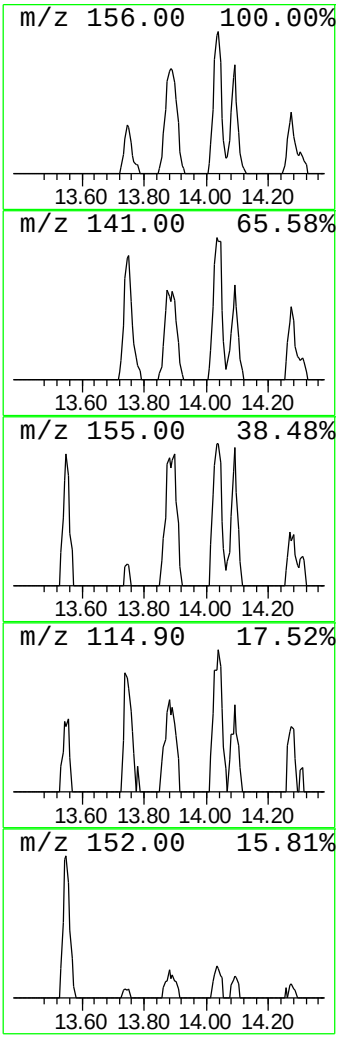
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	2.13 ng/ul	34275	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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

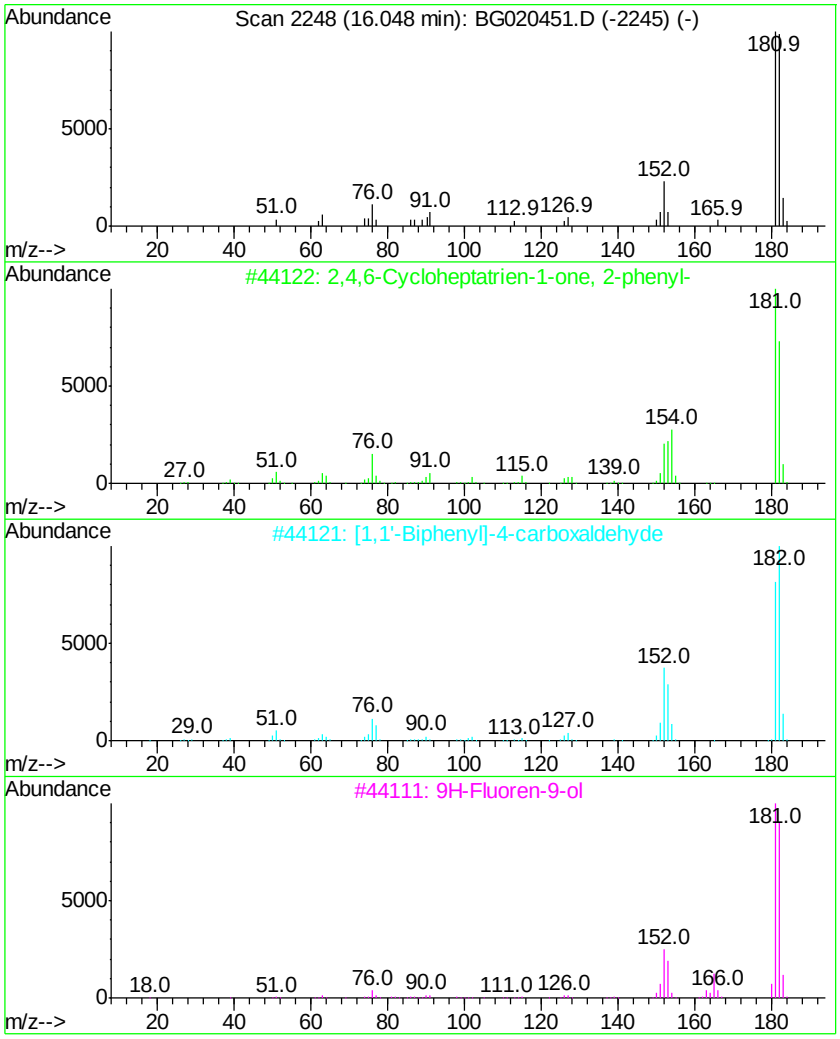
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

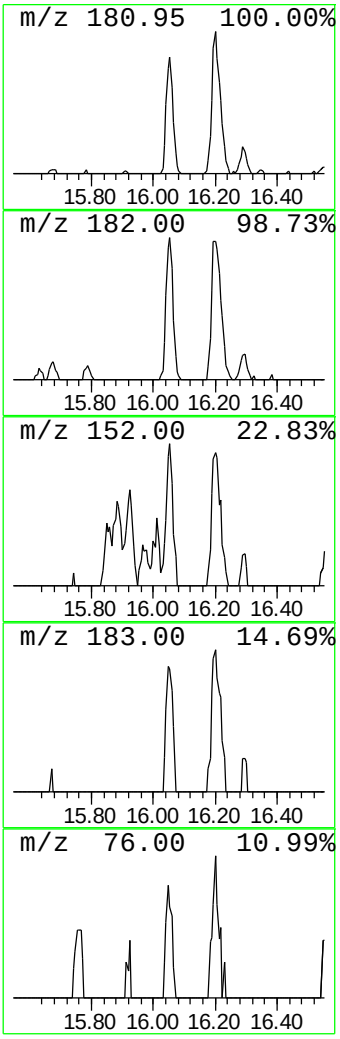
****

Peak Number 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.01 ng/ul	32304	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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

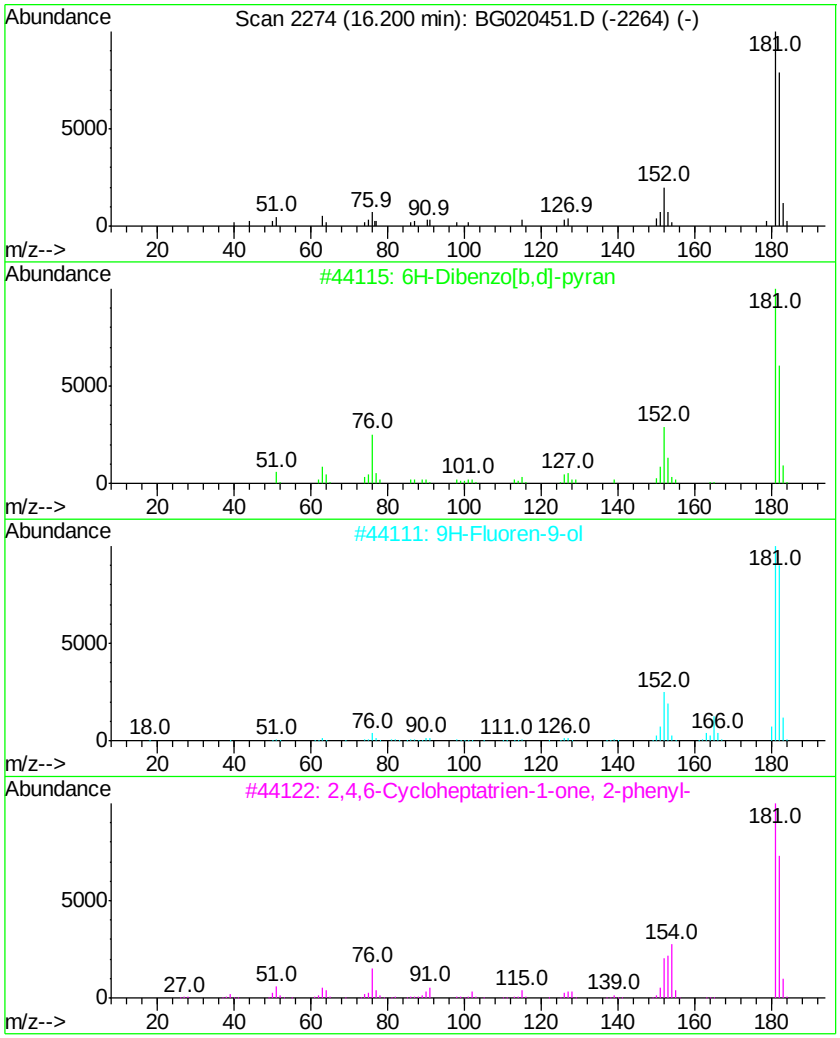
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

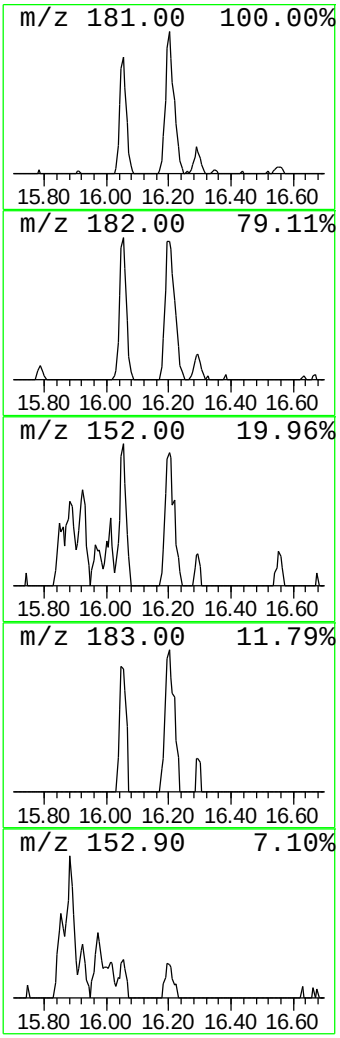
****

Peak Number 5 6H-Dibenzo[b,d]-pyran Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.46 ng/ul	48330	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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

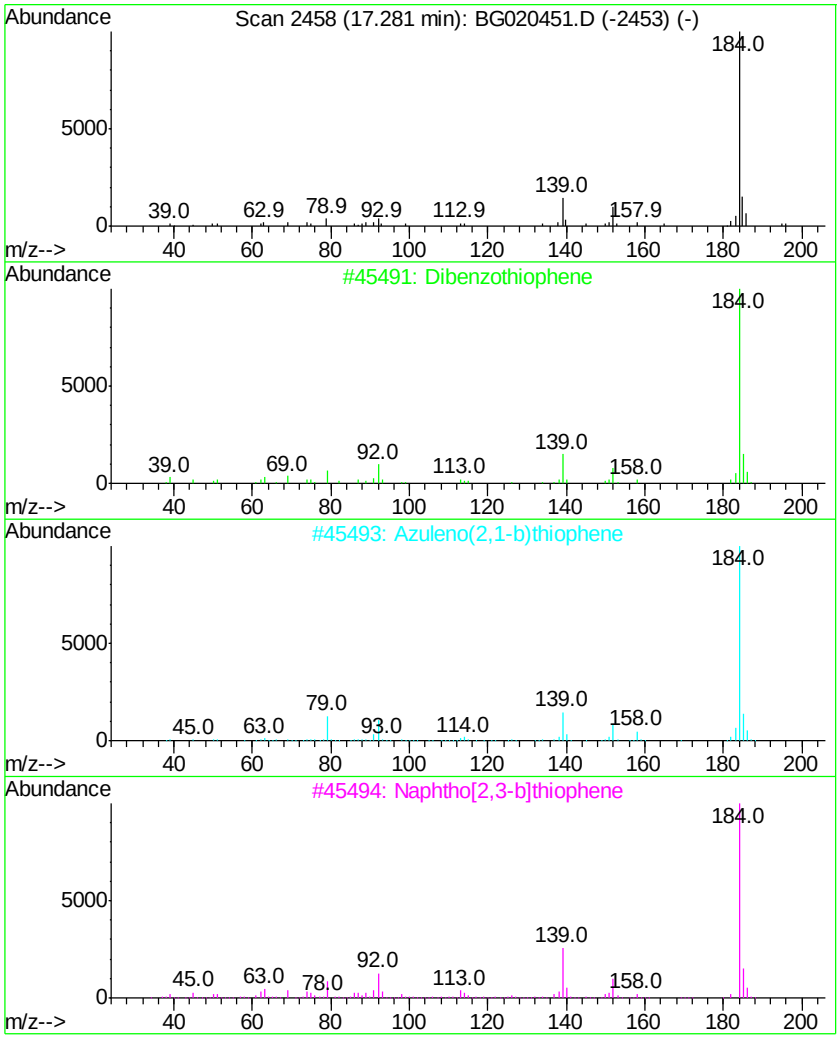
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

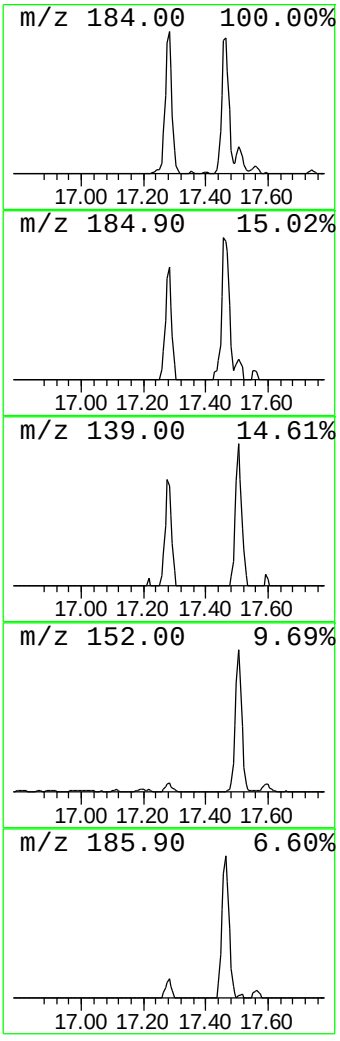
****

Peak Number 6 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	2.47 ng/ul	48382	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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

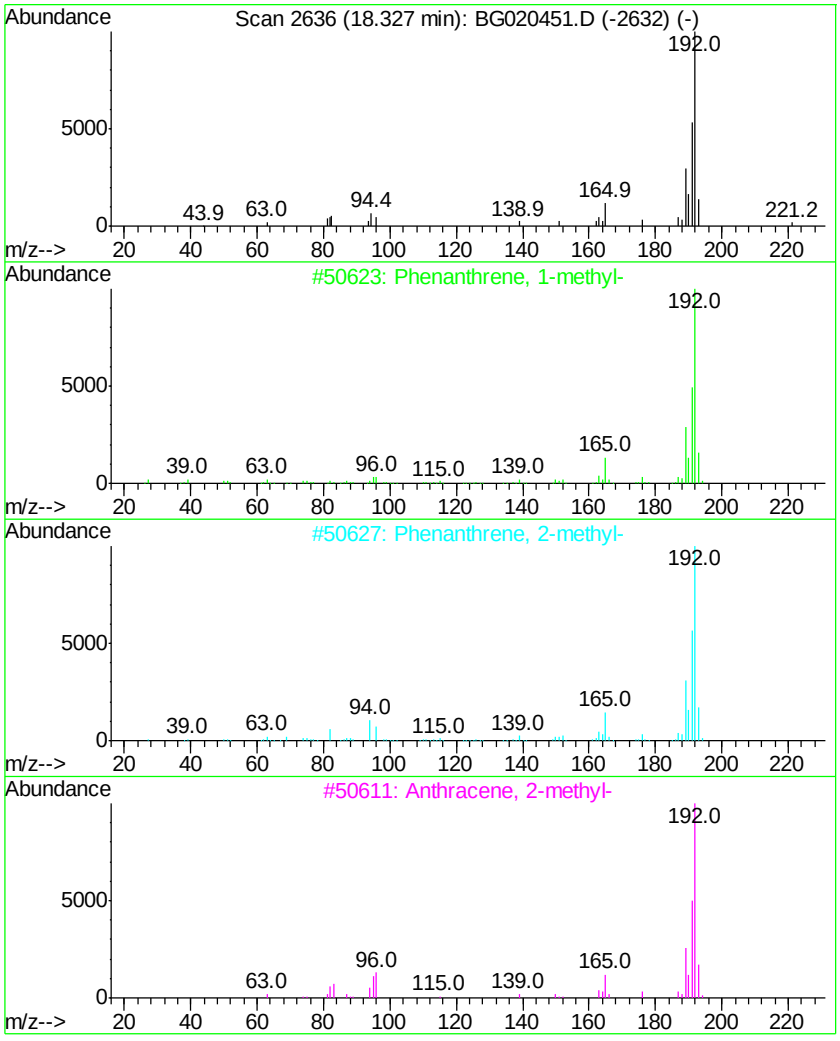
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

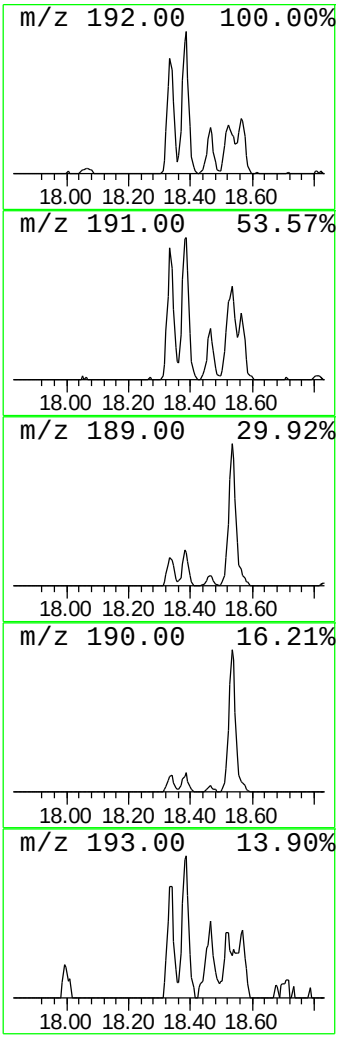
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	2.33 ng/ul	45631	Phenanthrene-d10	17.46

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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

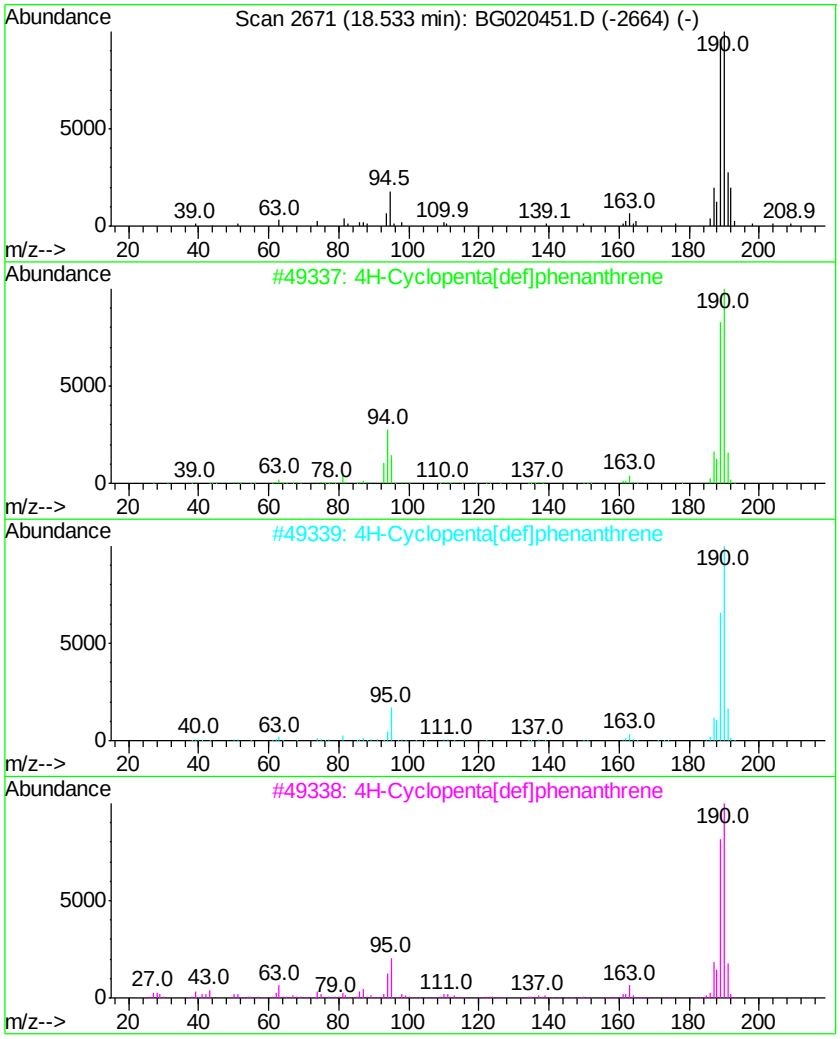
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

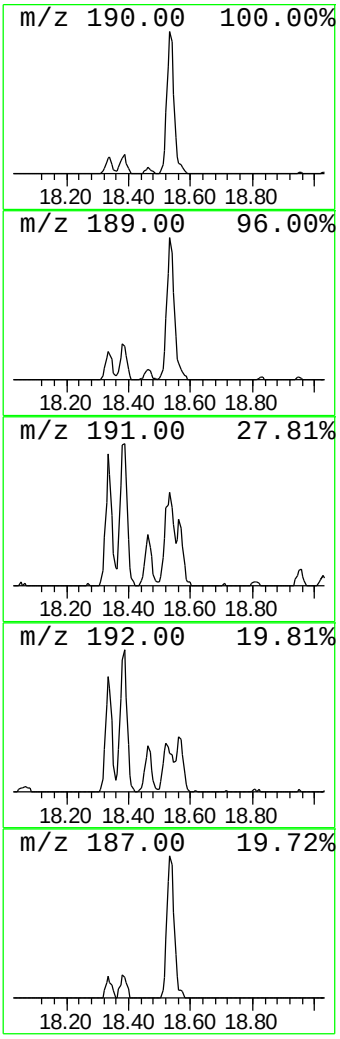
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	5.25 ng/ul	102985	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020451.D
Acq On : 23 Dec 2015 20:07
Operator : UM/SJ
Sample : G4848-07DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N53DL

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...	12.77	7.5	ng/ul	72274	2	10.90	192584	20.0
Naphthalene, 1,6-...	13.88	2.1	ng/ul	34275	3	14.71	321789	20.0
2,4,6-Cycloheptat...	16.05	2.0	ng/ul	32304	3	14.71	321789	20.0
6H-Dibenzo[b,d]-p...	16.20	2.5	ng/ul	48330	4	17.46	392348	20.0
Dibenzothiophene	17.28	2.5	ng/ul	48382	4	17.46	392348	20.0
Phenanthrene, 1-m...	18.33	2.3	ng/ul	45631	4	17.46	392348	20.0
4H-Cyclopenta[def...	18.53	5.3	ng/ul	102985	4	17.46	392348	20.0