LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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	3.107	41	46	52	rBV2	7163	10761	0.60%	0.096%
2	8.084	885	893	903	rBB	56802	96845	5.43%	0.865%
3	8.624	980	985	992	rBB2	8981	13979	0.78%	0.125%
4	10.898	1365	1372	1376	rBV	83454	154449	8.66%	1.379%
5	10.951	1376	1381	1392	rVV	310641	558183	31.29%	4.985%
6	11.069	1396	1401	1409	rVB	7322	12196	0.68%	0.109%
7	12.549	1647	1653	1662	rBV	181257	292059	16.37%	2.608%
8	12.767	1681	1690	1698	rBV	85977	142022	7.96%	1.268%
9	13.548	1817	1823	1831	rBB	64825	97420	5.46%	0.870%
10	13.748	1851	1857	1866	rBB	20674	35098	1.97%	0.313%
11	14.036	1899	1906	1911	rBV2	42018	71660	4.02%	0.640%
12	14.088	1911	1915	1924	rVV2	26347	45824	2.57%	0.409%
13	14.277	1941	1947	1950	rBV	15768	24357	1.37%	0.218%
14	14.435	1964	1974	1982	rBB2	18463	35302	1.98%	0.315%
15	14.682	2009	2016	2018	rBV	27454	38095	2.14%	0.340%
16	14.717	2018	2022	2028	rVV2	151716	242983	13.62%	2.170%
17	14.782	2028	2033	2040	rVV	384341	586911	32.90%	5.241%
18	14.846	2040	2044	2050	rVB	14338	21402	1.20%	0.191%
19	14.917	2050	2056	2060	rBV3	5247	9971	0.56%	0.089%
20	15.023	2069	2074	2079	rBV2	12714	18271	1.02%	0.163%
21	15.117	2083	2090	2097	rBV	248934	395629	22.18%	3.533%
22	15.181	2097	2101	2105	rVB2	7625	10663	0.60%	0.095%
23	15.328	2119	2126	2131	rBV3	6424	11405	0.64%	0.102%
24	15.381	2131	2135	2144	rVB2	6880	10593	0.59%	0.095%
25	15.493	2148	2154	2158	rBV2	4812	9178	0.51%	0.082%
26	15.675	2180	2185	2188	rVV3	5293	8979	0.50%	0.080%
27	15.763	2194	2200	2211	rVV2	366186	553576	31.03%	4.944%
28	15.857	2211	2216	2218	rVV	13286	20790	1.17%	0.186%
29	15.886	2218	2221	2224	rVV2	24154	35720	2.00%	0.319%
30	15.922	2224	2227	2232	rVV2	42154	63513	3.56%	0.567%
31	15.975	2232	2236	2239	rVV3	9476	14858	0.83%	0.133%
32	16.010	2239	2242	2246	rVV2	20045	32225	1.81%	0.288%
33	16.057	2246	2250	2256	rVB	45791	66429	3.72%	0.593%
34	16.204	2263	2275	2282	rVV	50091	106841	5.99%	0.954%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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	16.292	2287	2290	2295	rVB2	7581	10657	0.60%	0.095%
36	16.556	2330	2335	2340	rVB	25884	37005	2.07%	0.330%
37	16.762	2359	2370	2375	rBV3	36292	80083	4.49%	0.715%
38	16.815	2375	2379	2385	rBV3	11980	17241	0.97%	0.154%
39	16.915	2390	2396	2401	rVB2	14251	24132	1.35%	0.216%
40	16.985	2401	2408	2412	rBV2	12051	25784	1.45%	0.230%
41	17.032	2412	2416	2419	rVB3	10879	12475	0.70%	0.111%
42	17.114	2426	2430	2437	rVB6	5579	10058	0.56%	0.090%
43	17.185	2437	2442	2445	rBV2	14785	24744	1.39%	0.221%
44	17.279	2453	2458	2467	rVB	78584	117260	6.57%	1.047%
45	17.467	2483	2490	2492	rBV	193036	296422	16.61%	2.647%
46	17.508	2492	2497	2503	rVV	1158000	1784067	100.00%	15.932%
47	17.567	2503	2507	2508	rVV2	26947	36945	2.07%	0.330%
48	17.596	2508	2512	2517	rVV	114695	167156	9.37%	1.493%
49	17.655	2517	2522	2526	rVB3	8416	15932	0.89%	0.142%
50	17.866	2545	2558	2567	rBV	71343	127559	7.15%	1.139%
51	17.978	2573	2577	2583	rBV3	16773	25712	1.44%	0.230%
52	18.043	2583	2588	2597	rVB4	8280	17410	0.98%	0.155%
53	18.184	2608	2612	2621	rVB2	5993	13603	0.76%	0.121%
54	18.336	2629	2638	2642	rBV	75359	112652	6.31%	1.006%
55	18.383	2642	2646	2653	rVB	97848	142351	7.98%	1.271%
56	18.466	2653	2660	2665	rBV	30642	51675	2.90%	0.461%
57	18.536	2665	2672	2676	rBV2	138101	237786	13.33%	2.123%
58	18.636	2683	2689	2693	rBV7	5849	10084	0.57%	0.090%
59	18.677	2693	2696	2702	rVV2	6841	9456	0.53%	0.084%
60	18.771	2709	2712	2717	rVV6	5868	9009	0.50%	0.080%
61	18.830	2717	2722	2727	rVV	59161	83809	4.70%	0.748%
62	18.953	2740	2743	2748	rBV4	6242	8946	0.50%	0.080%
63	19.071	2760	2763	2768	rVV3	13387	17345	0.97%	0.155%
64	19.124	2768	2772	2775	rVV3	9571	12324	0.69%	0.110%
65	19.165	2775	2779	2782	rVB3	7757	10145	0.57%	0.091%
66	19.241	2787	2792	2798	rVV	17397	31002	1.74%	0.277%
67	19.306	2798	2803	2807	rVV4	11876	24669	1.38%	0.220%
68	19.382	2811	2816	2818	rBV4	6072	9316	0.52%	0.083%
69	19.512	2832	2838	2845	rBV	662254	969159	54.32%	8.655%
70	19.606	2850	2854	2858	rVB2	12031	15301	0.86%	0.137%
71	19.752	2873	2879	2884	rBV	17520	27768	1.56%	0.248%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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	19.841	2888	2894	2896	rBV2	118290	187481	10.51%	1.674%
73	19.876	2896	2900	2907	rVV	405071	615449	34.50%	5.496%
74	19.940	2907	2911	2917	rVB3	20384	33471	1.88%	0.299%
75	20.046	2924	2929	2935	rVB	26680	37355	2.09%	0.334%
76	20.111	2936	2940	2944	rVB	9666	13290	0.74%	0.119%
77	20.187	2948	2953	2954	rBV2	20411	29527	1.66%	0.264%
78	20.246	2960	2963	2968	rBV	11266	16009	0.90%	0.143%
79	20.311	2970	2974	2975	rVV3	12327	15973	0.90%	0.143%
80	20.328	2975	2977	2978	rVV2	16393	15208	0.85%	0.136%
81	20.358	2978	2982	2988	rVB	74328	108489	6.08%	0.969%
82	20.458	2994	2999	3003	rBV	85775	123856	6.94%	1.106%
83	20.522	3003	3010	3013	rVV2	26234	56092	3.14%	0.501%
84	20.552	3013	3015	3019	rVV	15568	21002	1.18%	0.188%
85	20.593	3019	3022	3028	rVB5	6423	9978	0.56%	0.089%
86	20.657	3030	3033	3036	rBV	8949	11991	0.67%	0.107%
87	20.704	3036	3041	3045	rVV3	10685	16831	0.94%	0.150%
88	20.886	3066	3072	3075	rBV2	13849	21628	1.21%	0.193%
89	21.080	3100	3105	3110	rBV8	8850	18872	1.06%	0.169%
90	21.309	3140	3144	3148	rBV	19602	29688	1.66%	0.265%
91	21.351	3148	3151	3156	rVB	18144	24882	1.39%	0.222%
92	21.403	3156	3160	3165	rBV2	18515	29108	1.63%	0.260%
93	21.732	3207	3216	3221	rBV2	269632	594636	33.33%	5.310%
94	21.779	3221	3224	3232	rVB	79723	129731	7.27%	1.159%
95	21.938	3247	3251	3257	rVB	20014	32755	1.84%	0.293%
96	22.150	3284	3287	3292	rVB5	11963	20033	1.12%	0.179%
97	23.965	3590	3596	3602	rVV	20430	56486	3.17%	0.504%
98	24.694	3716	3720	3727	rVB3	9681	22699	1.27%	0.203%
99	24.846	3740	3746	3759	rVB3	13810	44608	2.50%	0.398%
100	25.005	3762	3773	3783	rBV	131725	385671	21.62%	3.444%

Sum of corrected areas: 11198028

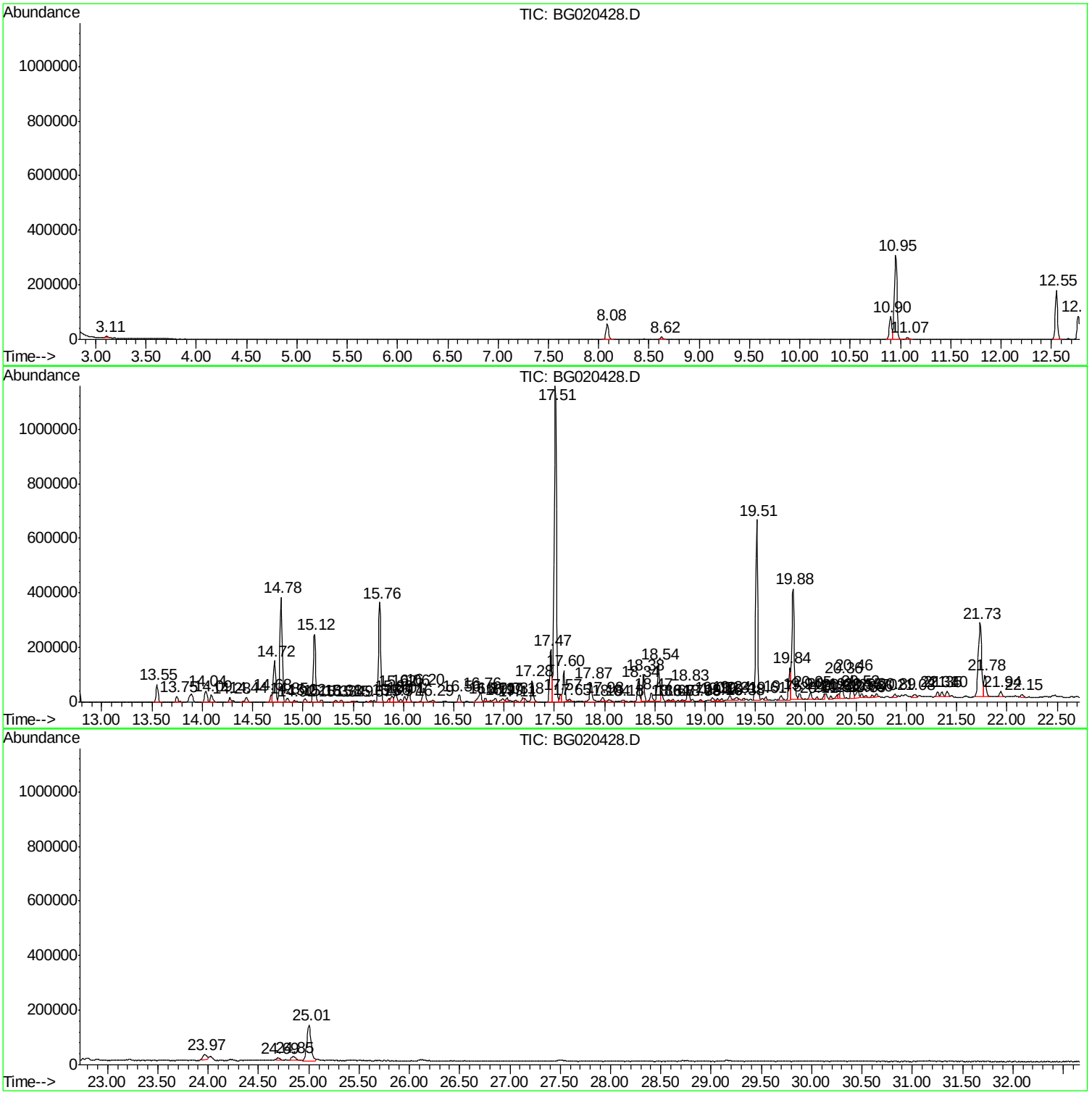
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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 : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

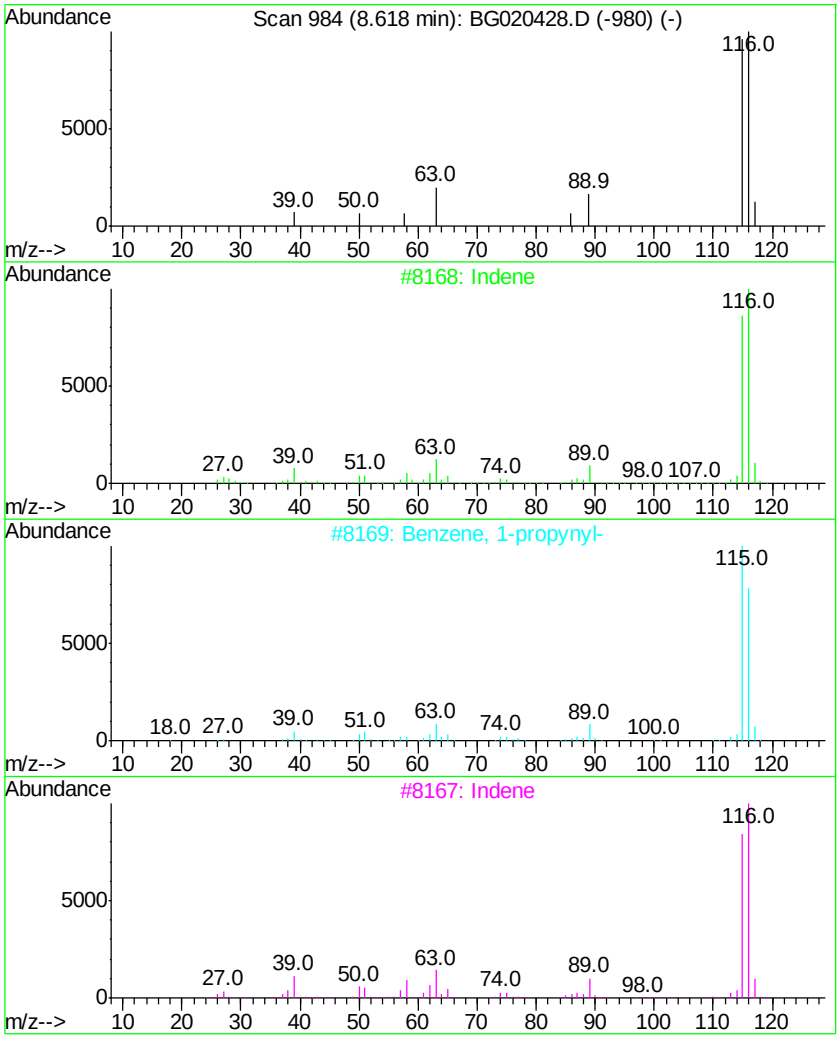
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

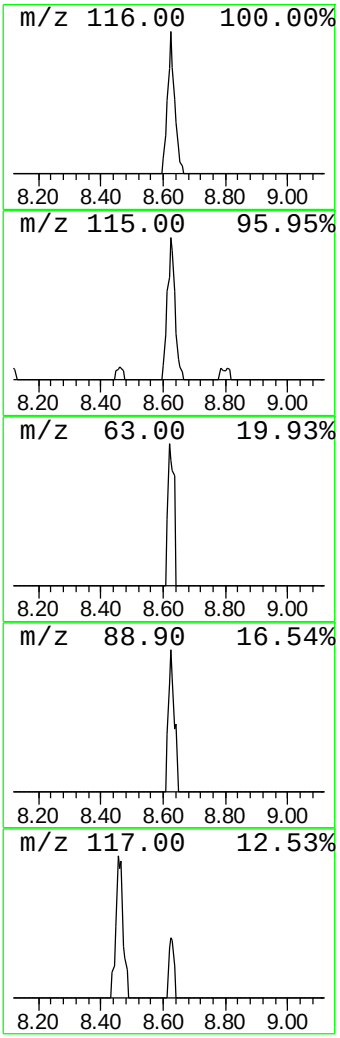
****

Peak Number 2 Indene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	2.89 ng/ul	13979	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	91
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3	Indene	116	C9H8	000095-13-6	90
4	Indene	116	C9H8	000095-13-6	90
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

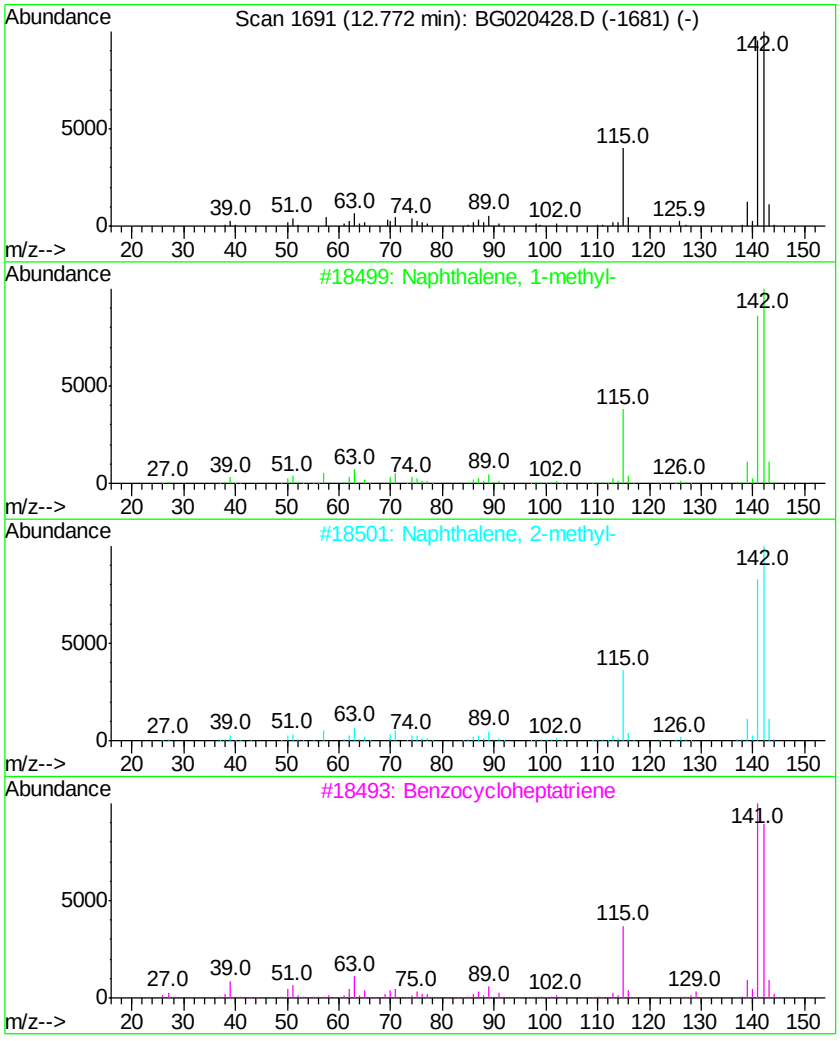
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

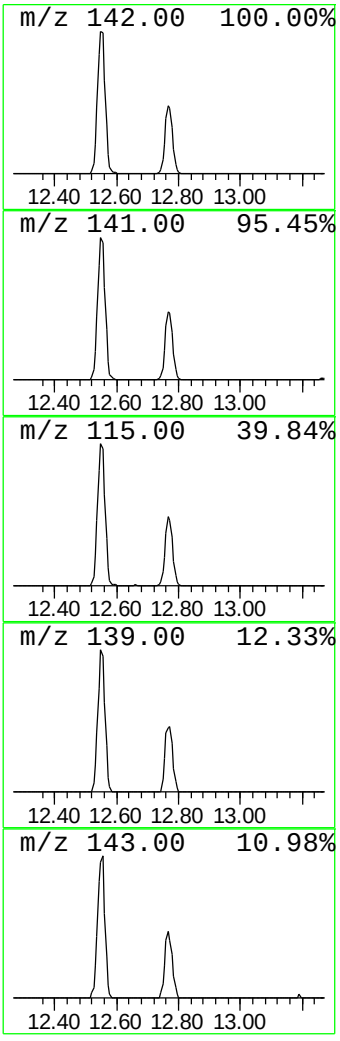
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	18.39 ng/ul	142022	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

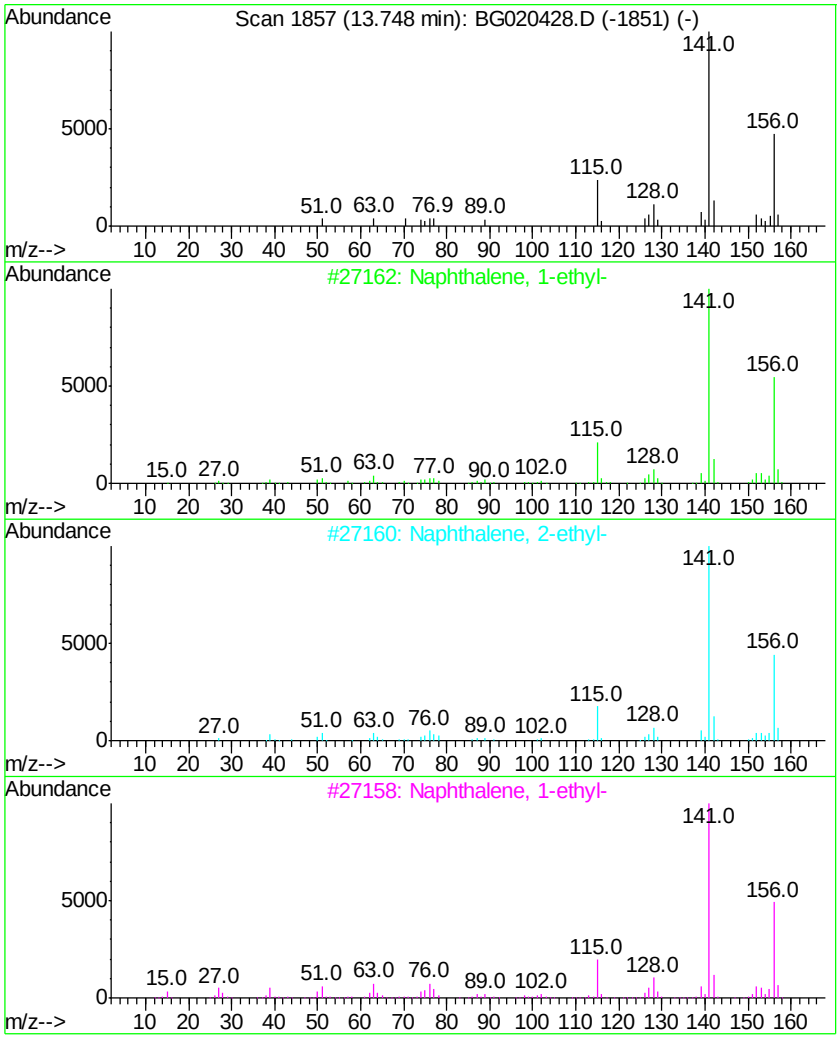
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

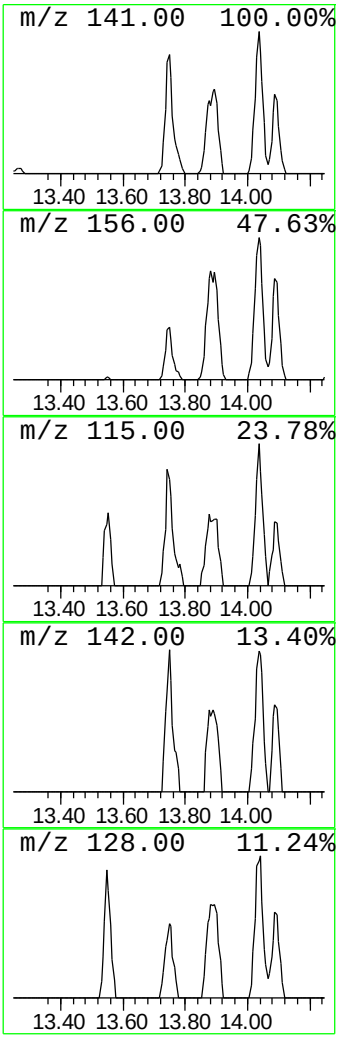
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.89 ng/ul	35098	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

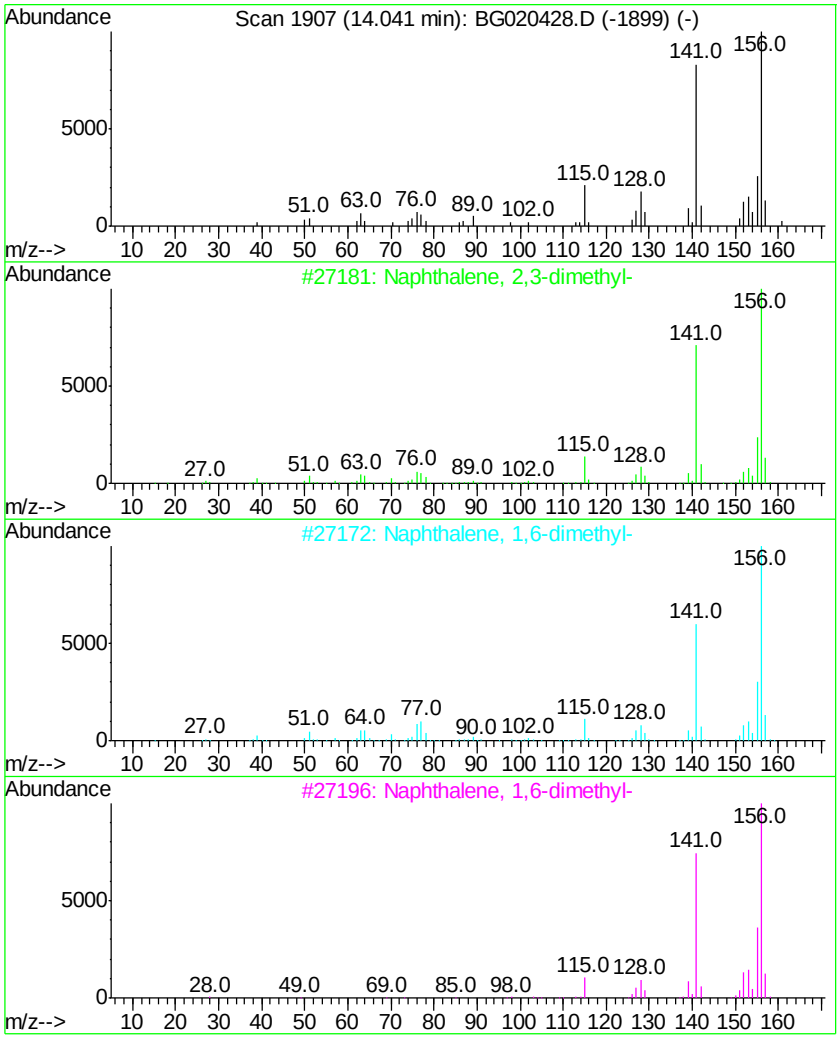
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

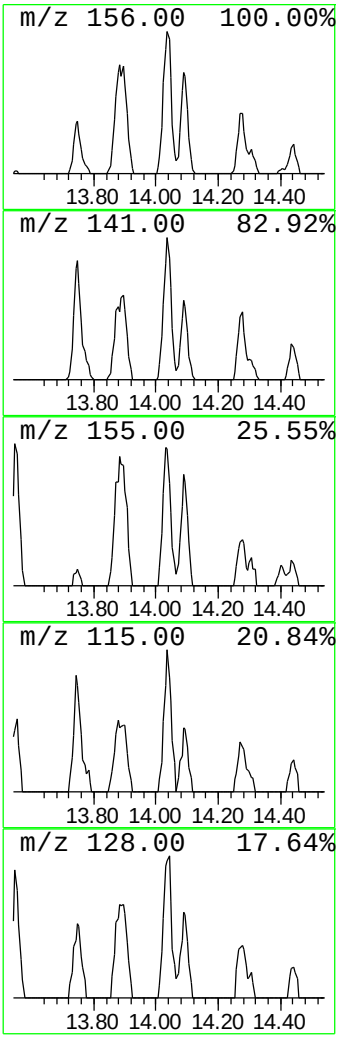
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	5.90 ng/ul	71660	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

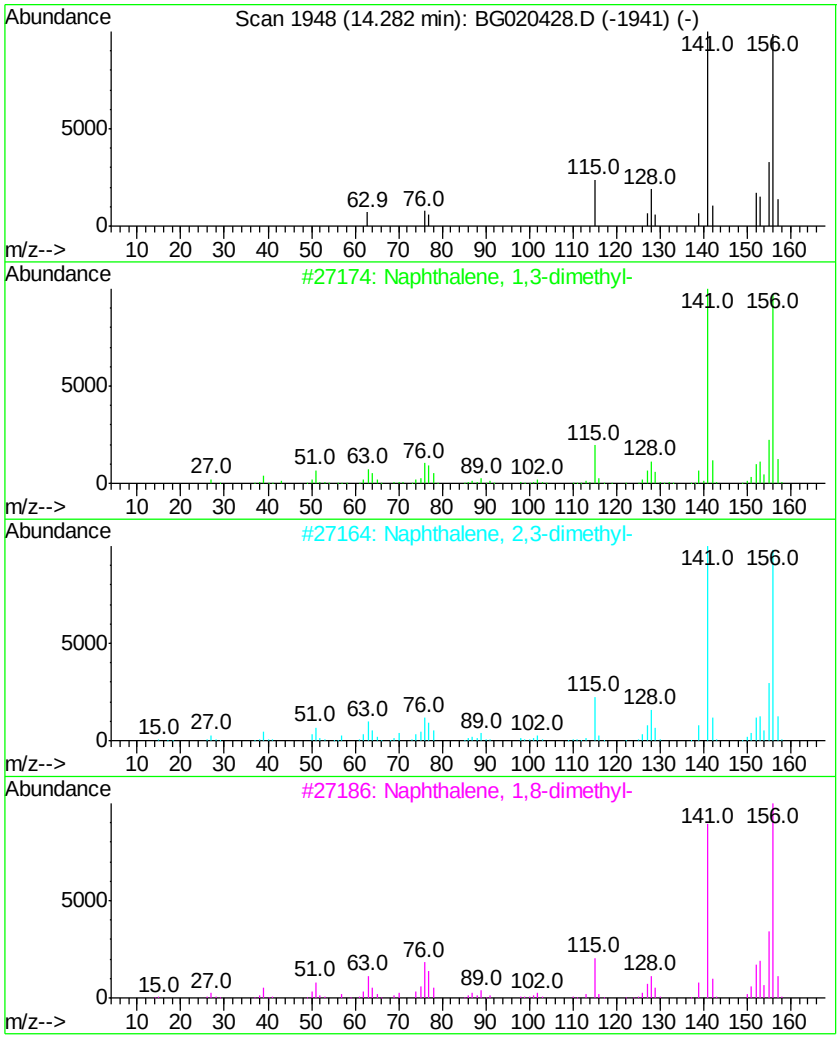
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

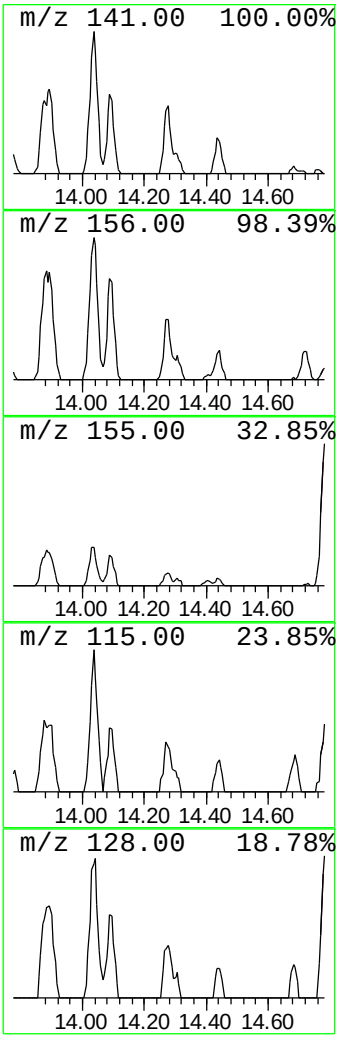
****

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.00 ng/ul	24357	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

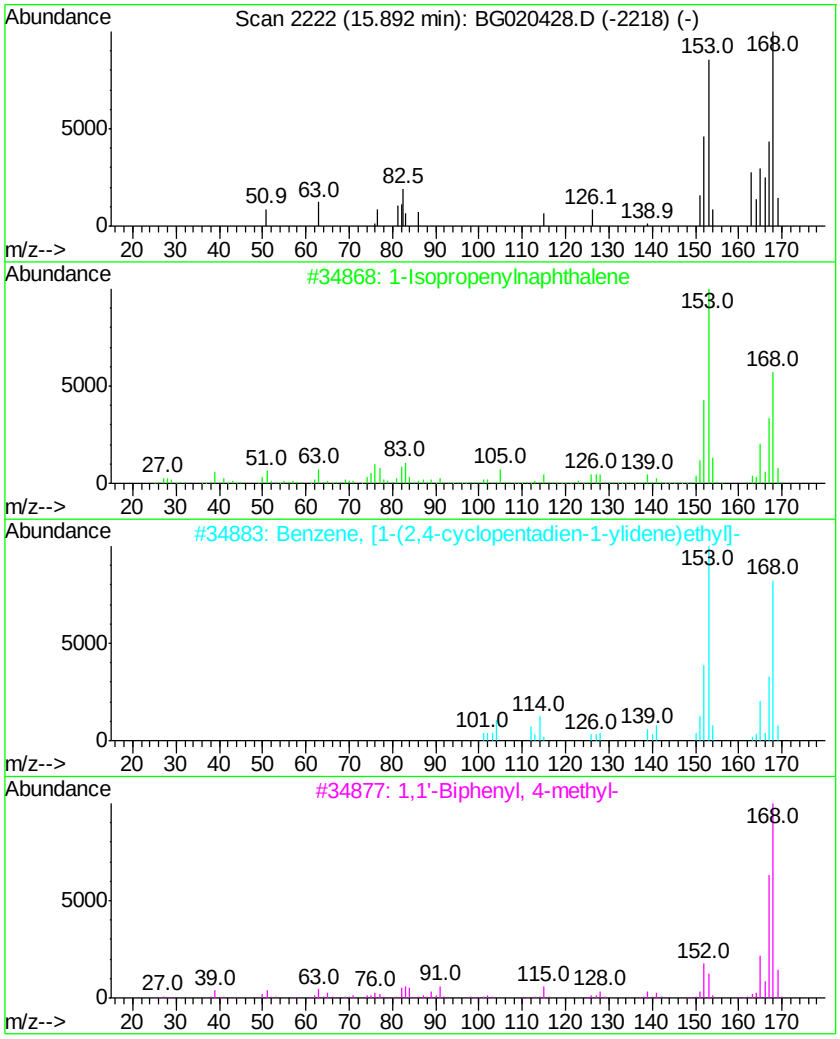
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

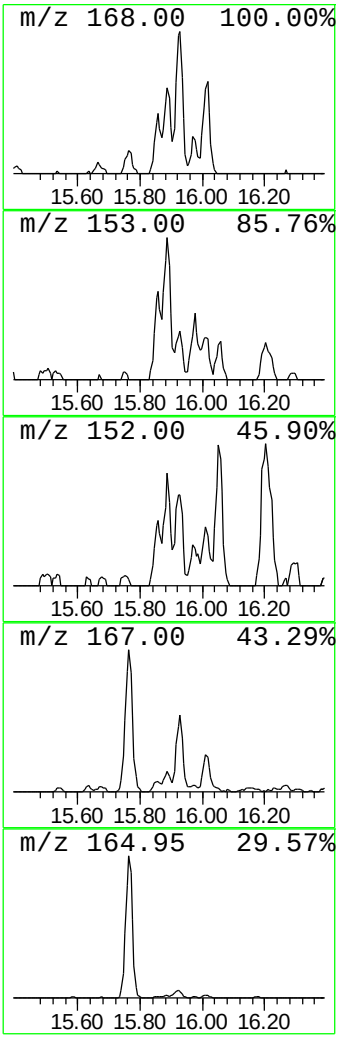
****

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.94 ng/ul	35720	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

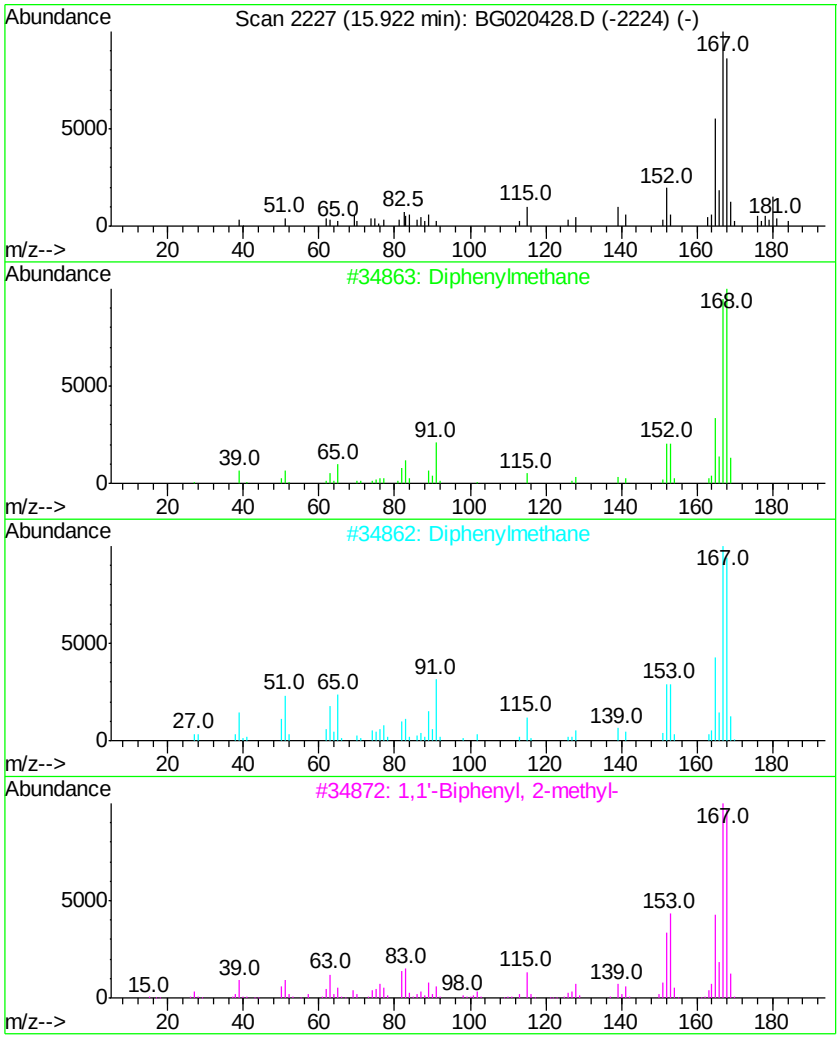
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

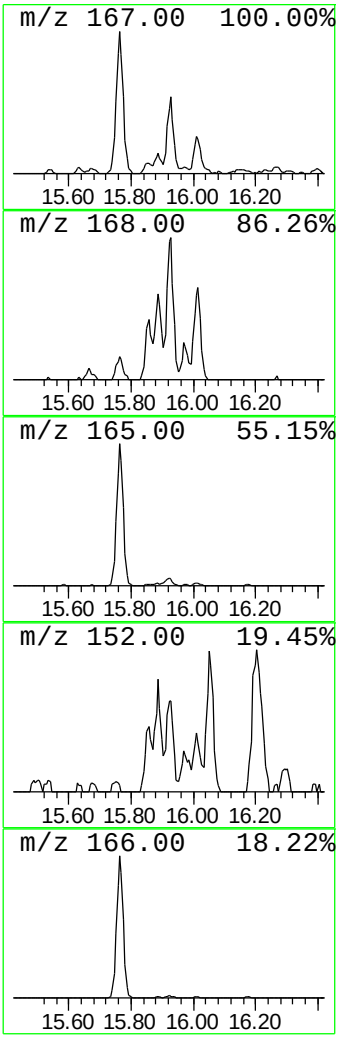
****

Peak Number 9 Diphenylmethane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	5.23 ng/ul	63513	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	Diphenylmethane	168	C13H12	000101-81-5	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

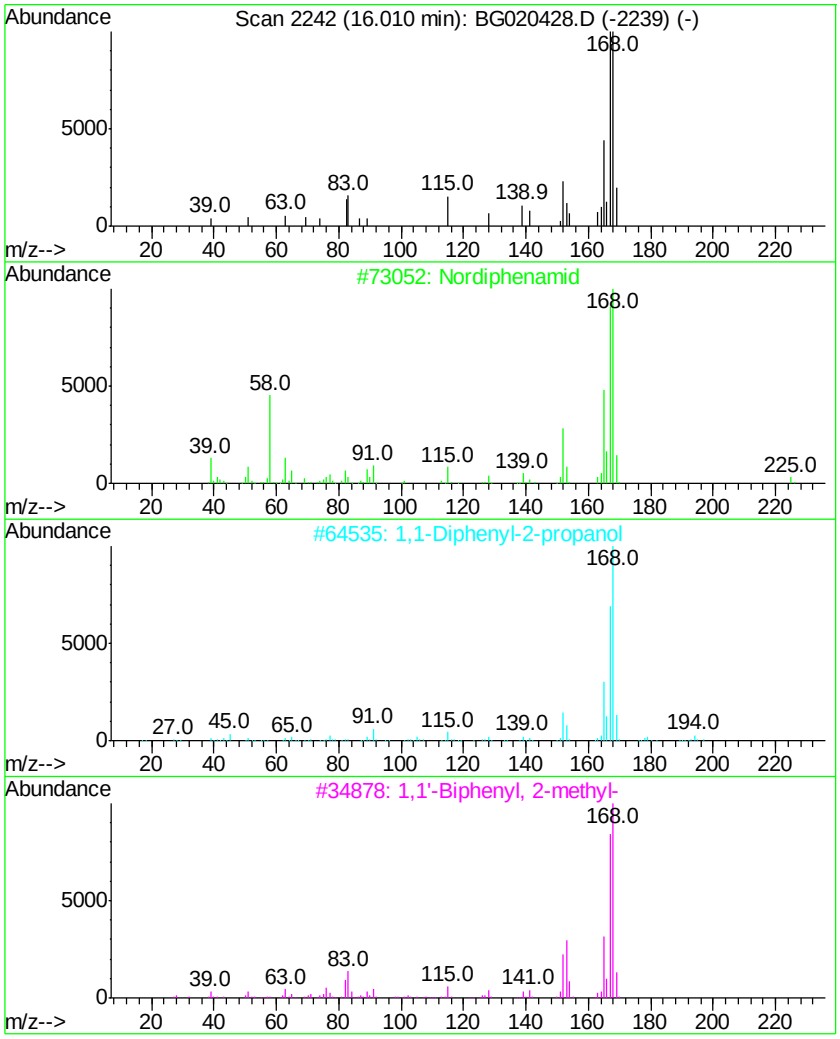
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

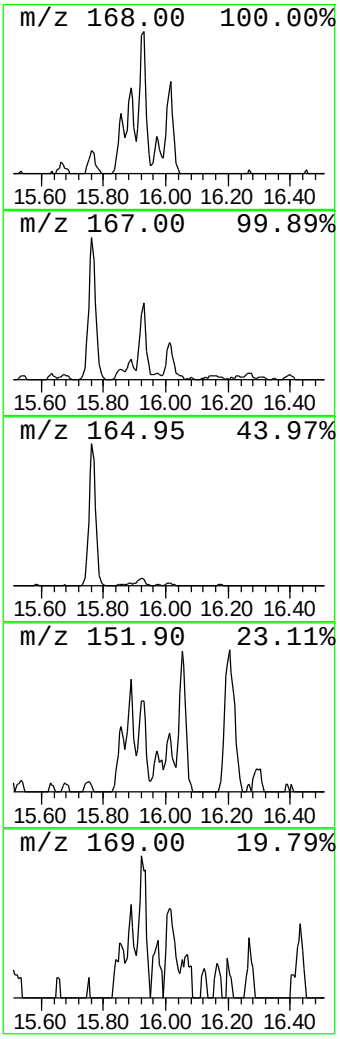
****

Peak Number 10 Nordiphenamid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.65 ng/ul	32225	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	78
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	78
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

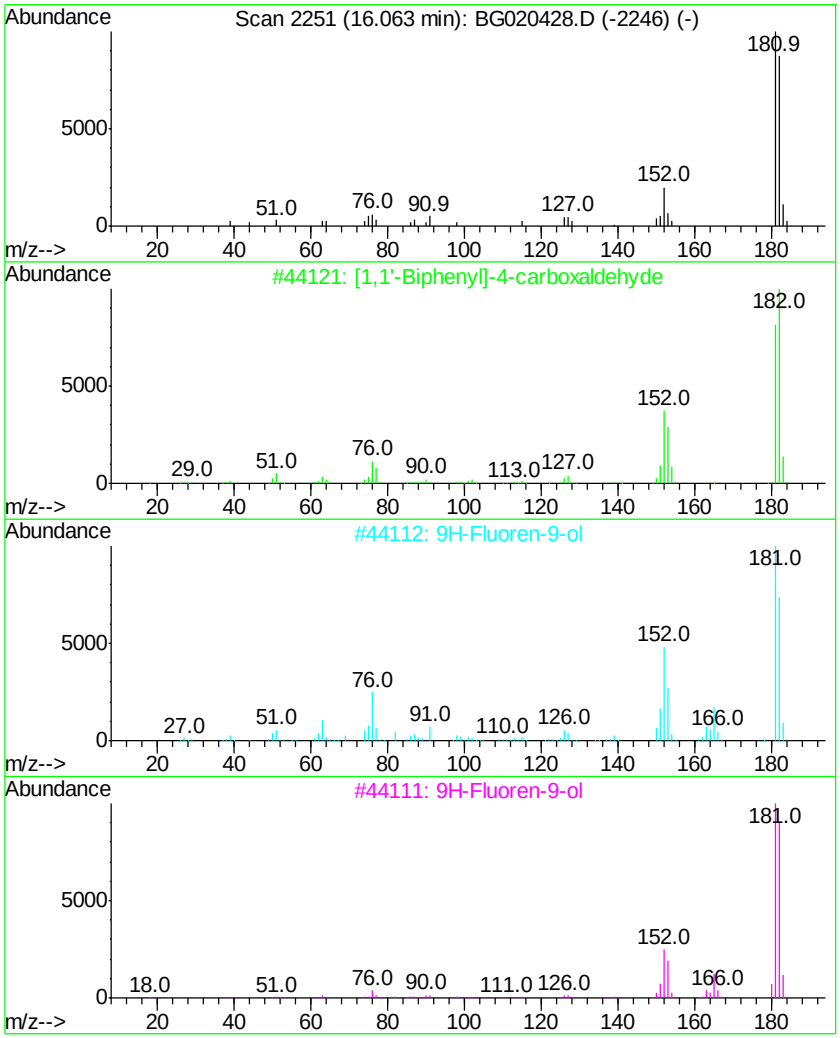
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

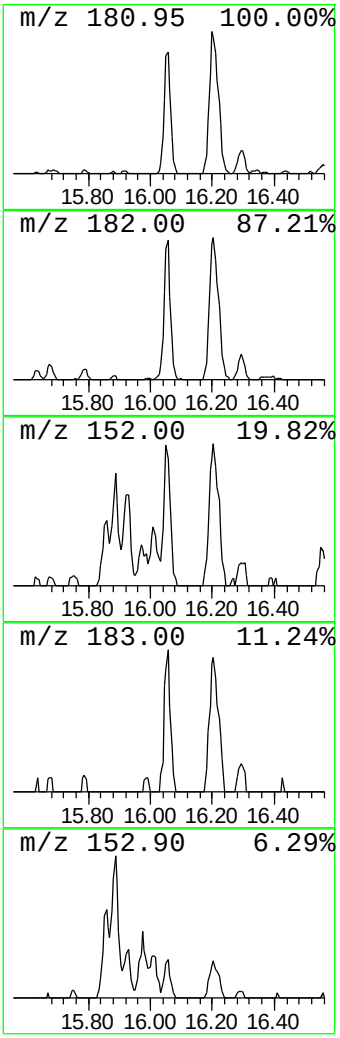
****

Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	5.47 ng/ul	66429	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

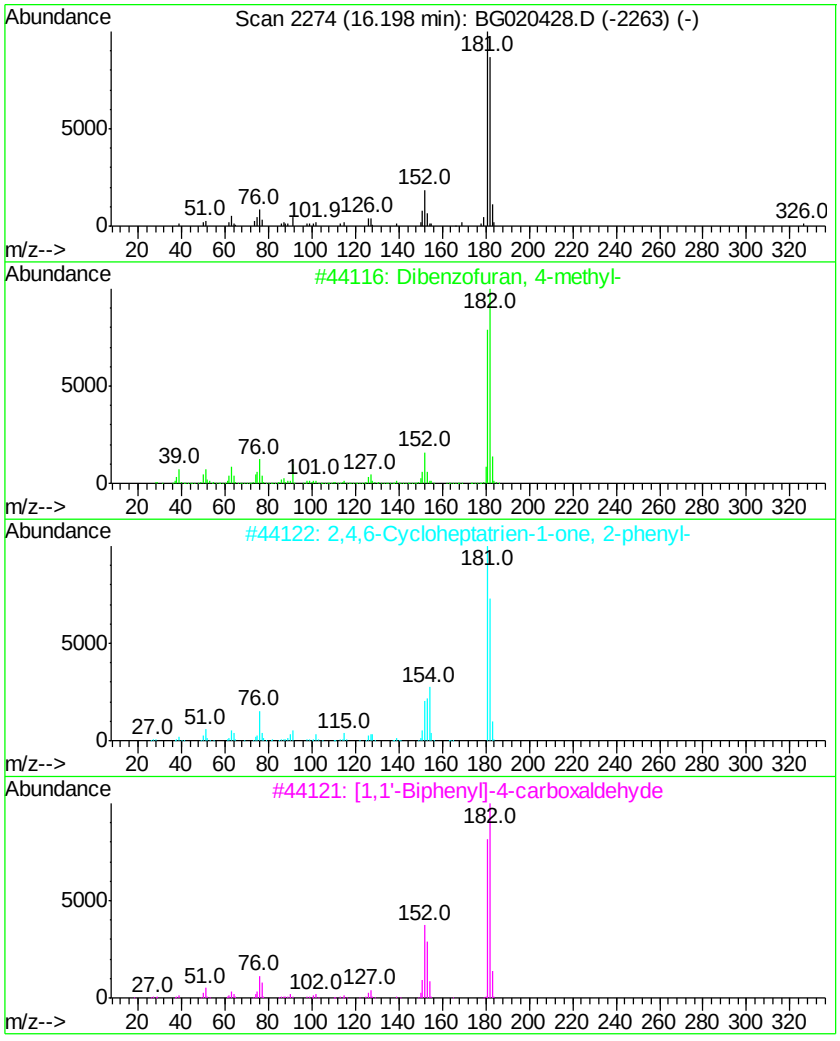
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

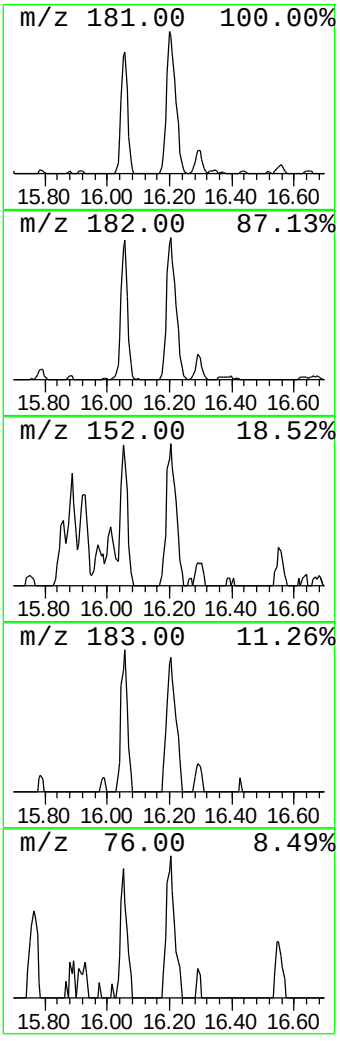
****

Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	7.21 ng/ul	106841	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

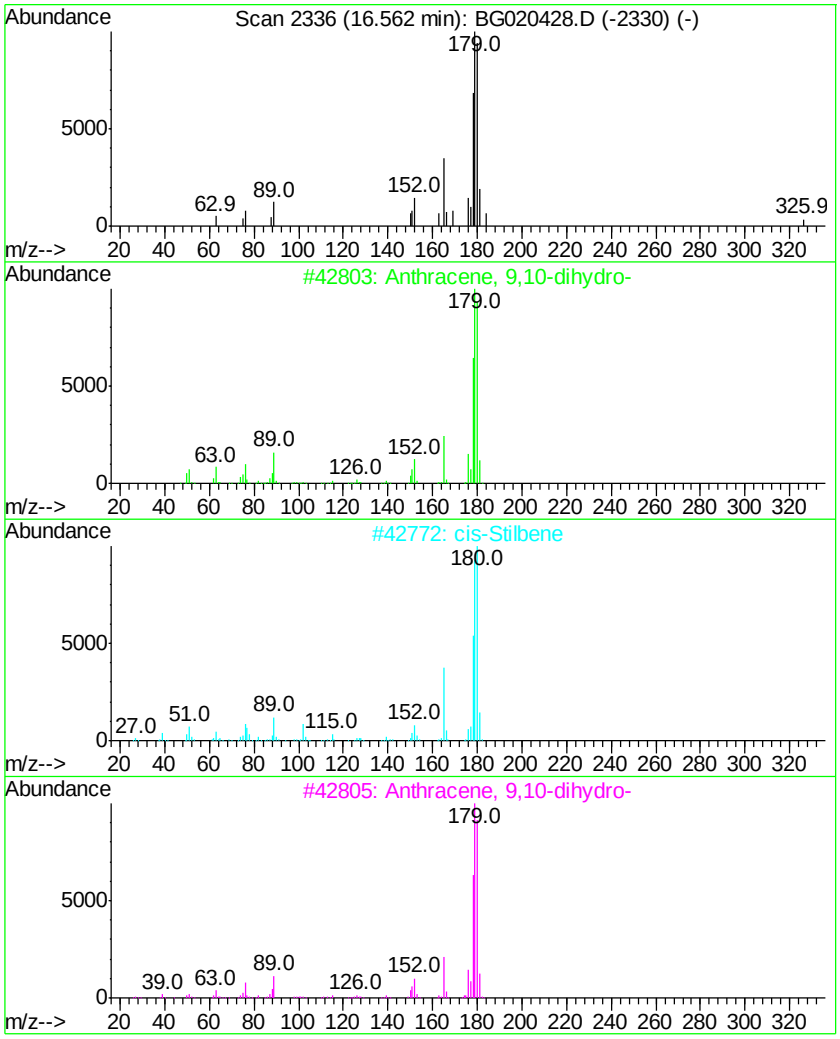
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

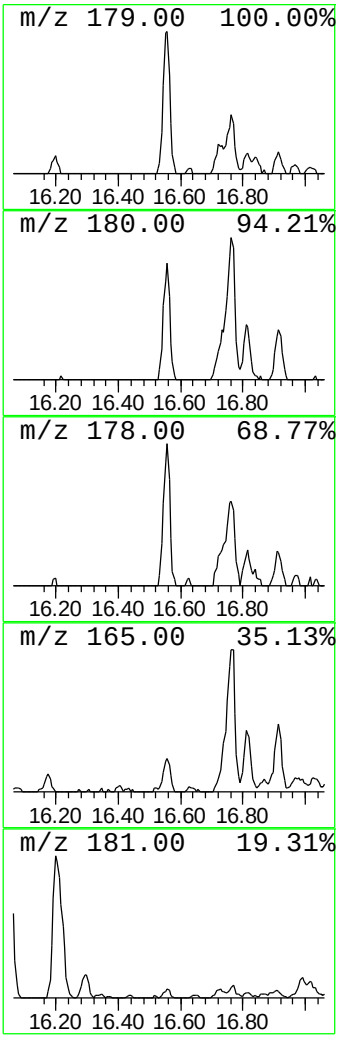
****

Peak Number 13 Anthracene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	2.50 ng/ul	37005	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	90
2	cis-Stilbene	180	C14H12	000645-49-8	81
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	81
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	81
5	(E)-Stilbene	180	C14H12	000103-30-0	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

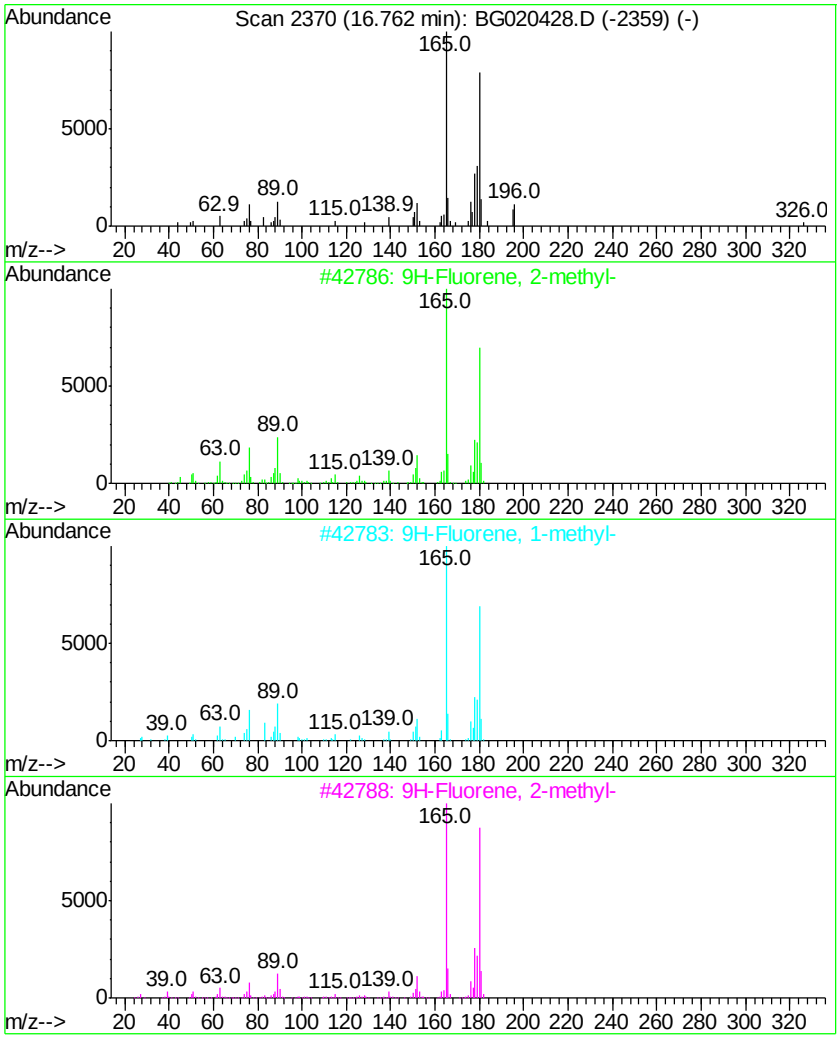
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

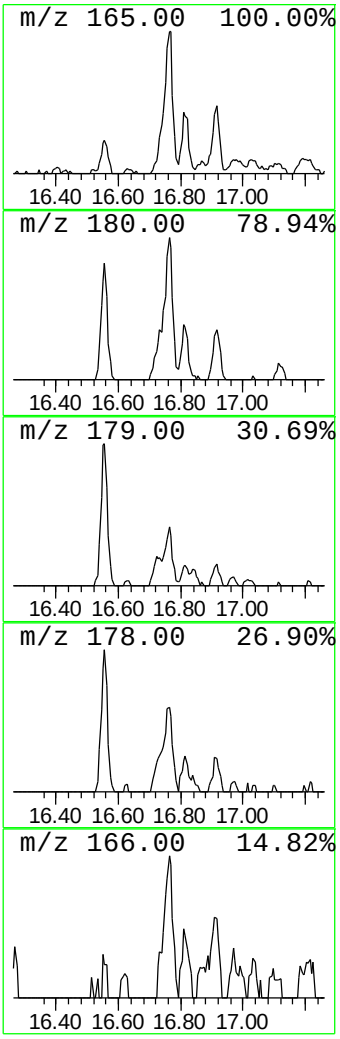
****

Peak Number 14 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	5.40 ng/ul	80083	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

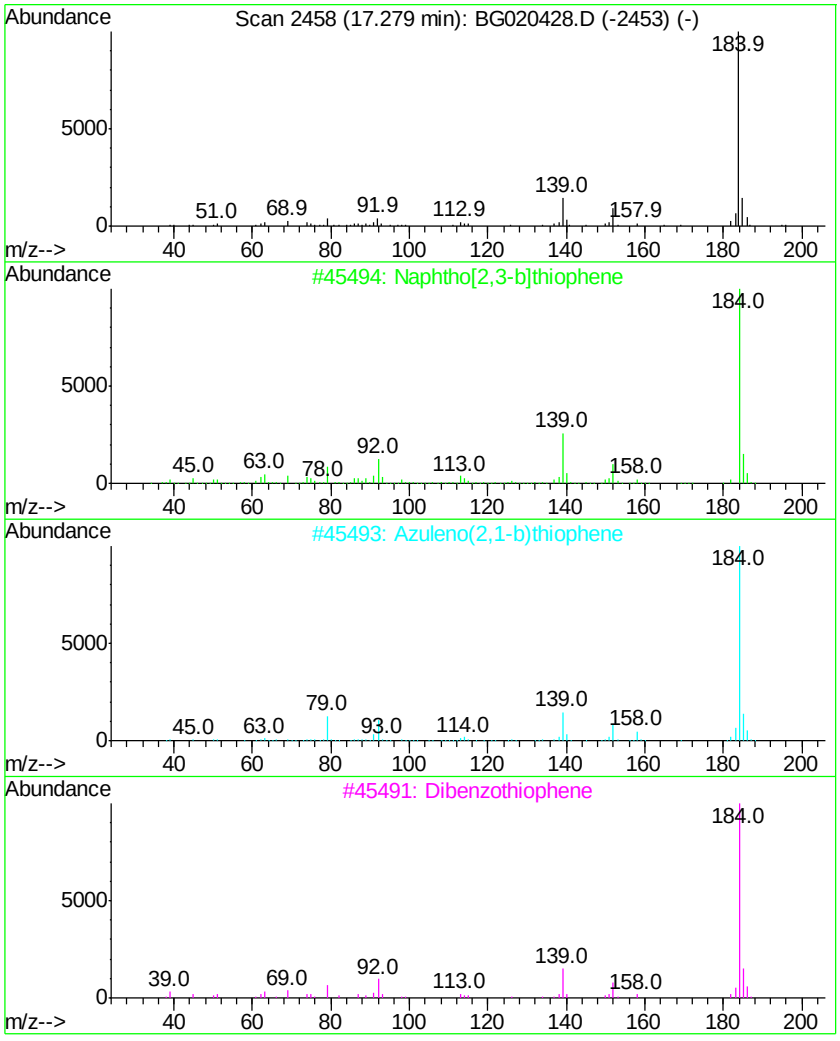
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

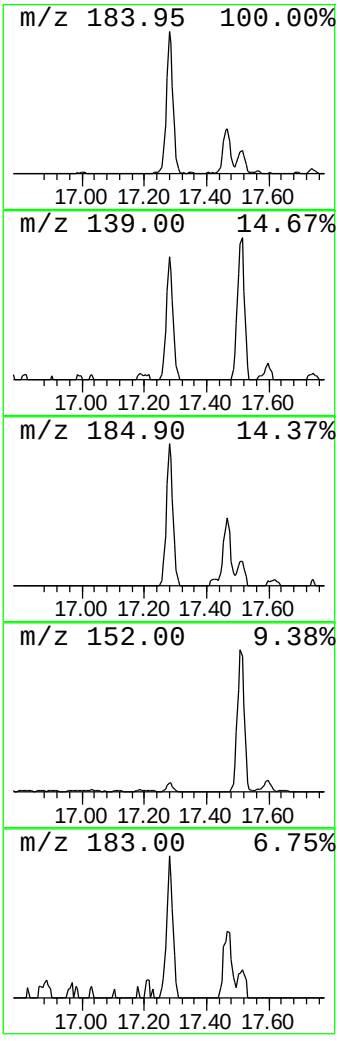
****

Peak Number 15 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	7.91 ng/ul	117260	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

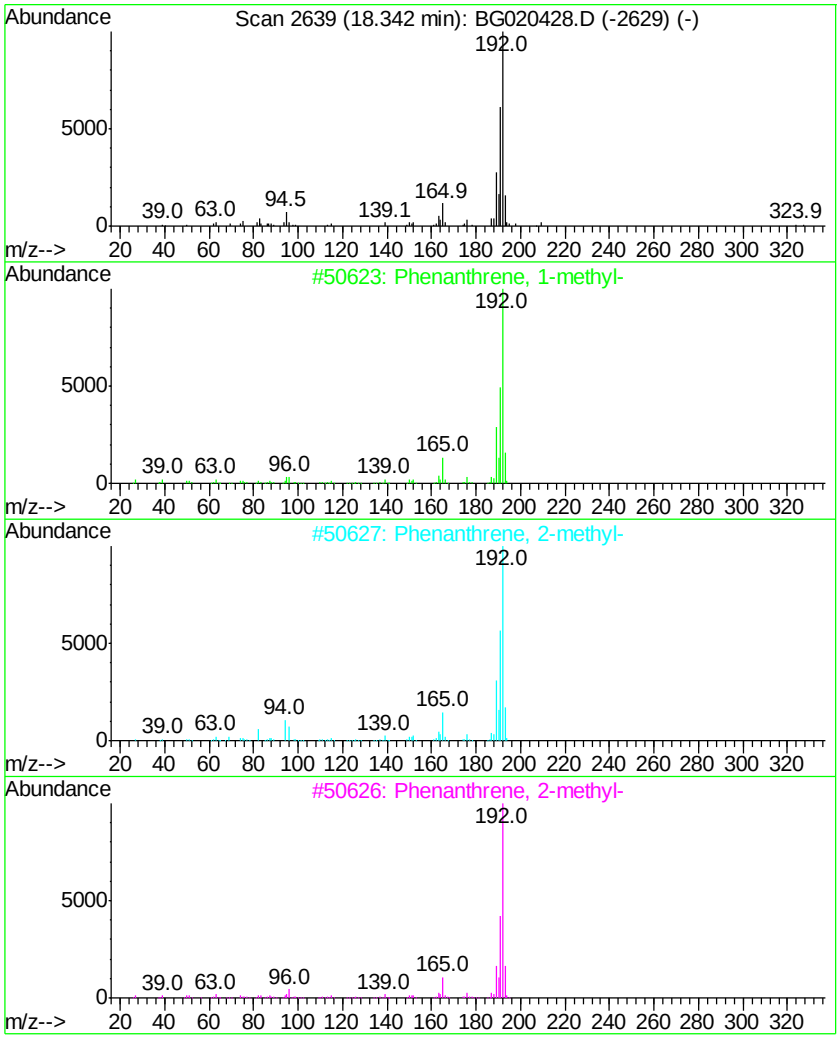
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

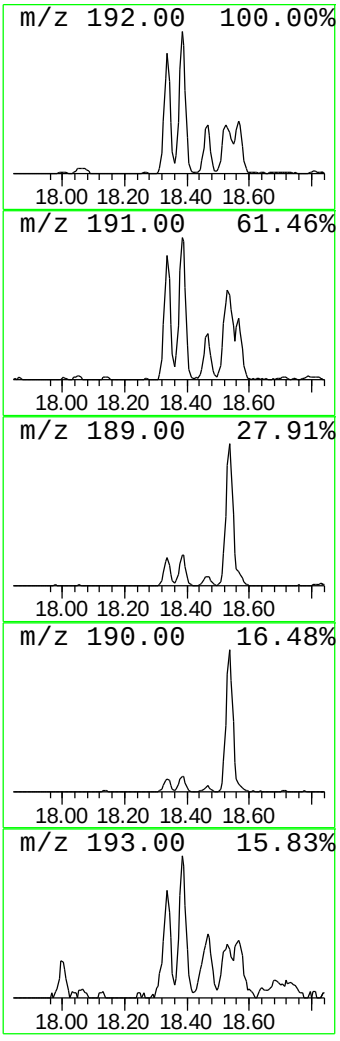
****

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	7.60 ng/ul	112652	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

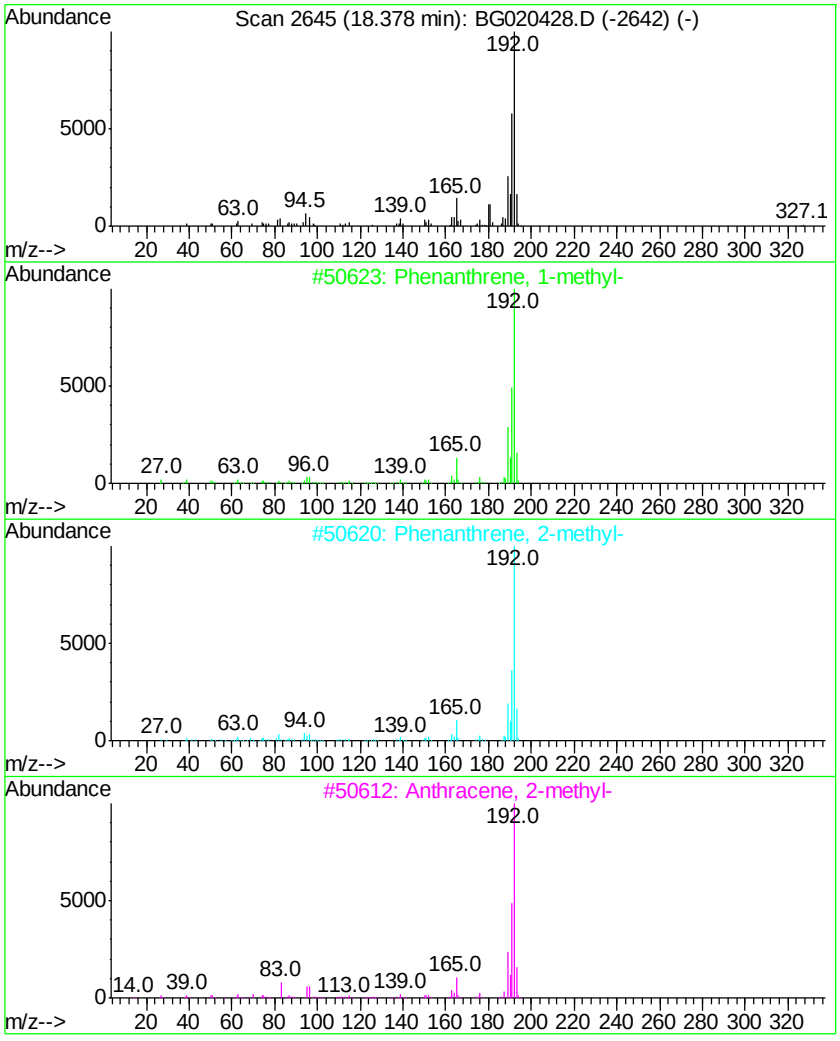
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

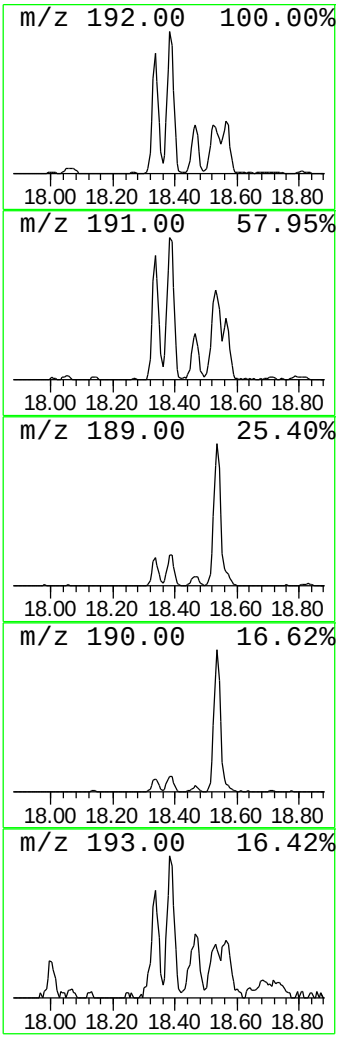
****

Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	9.60 ng/ul	142351	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

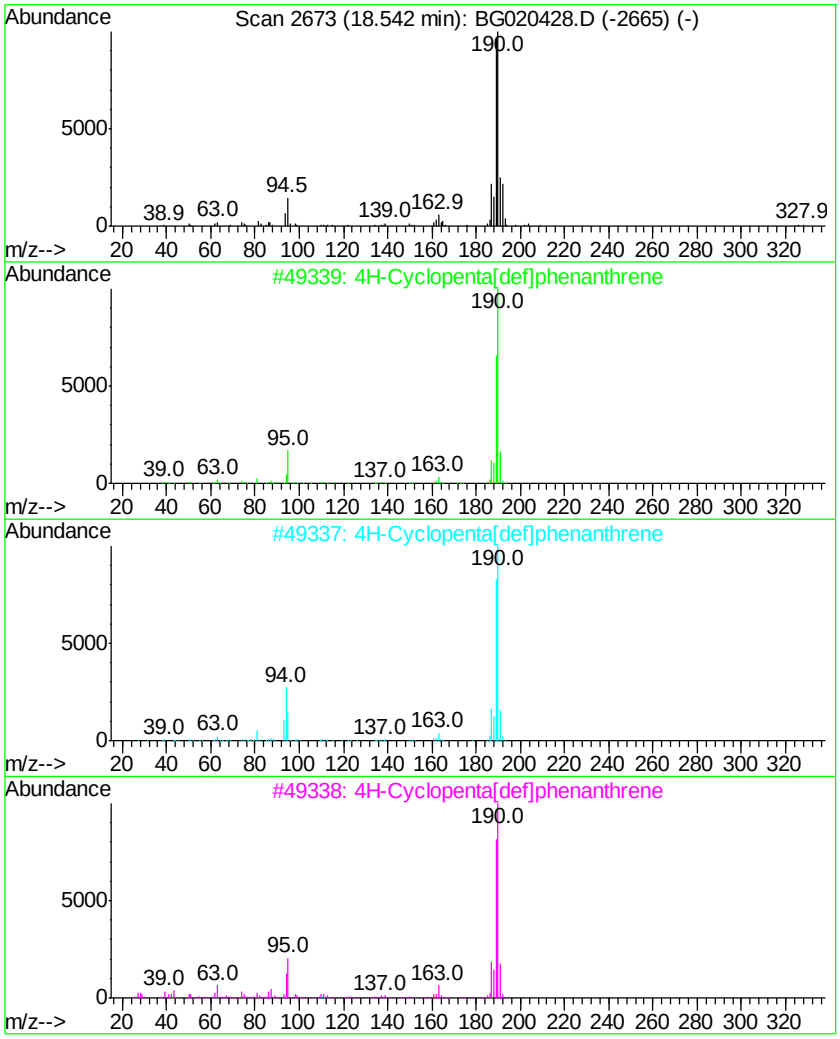
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

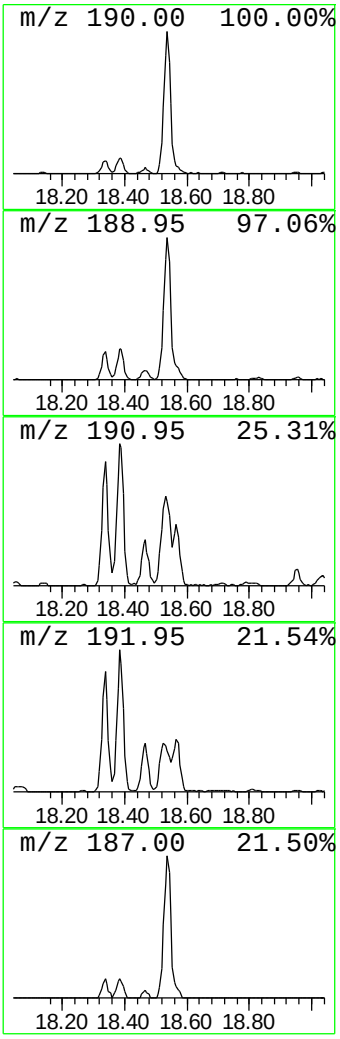
****

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	16.04 ng/ul	237786	Phenanthrene-d10	17.47

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	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

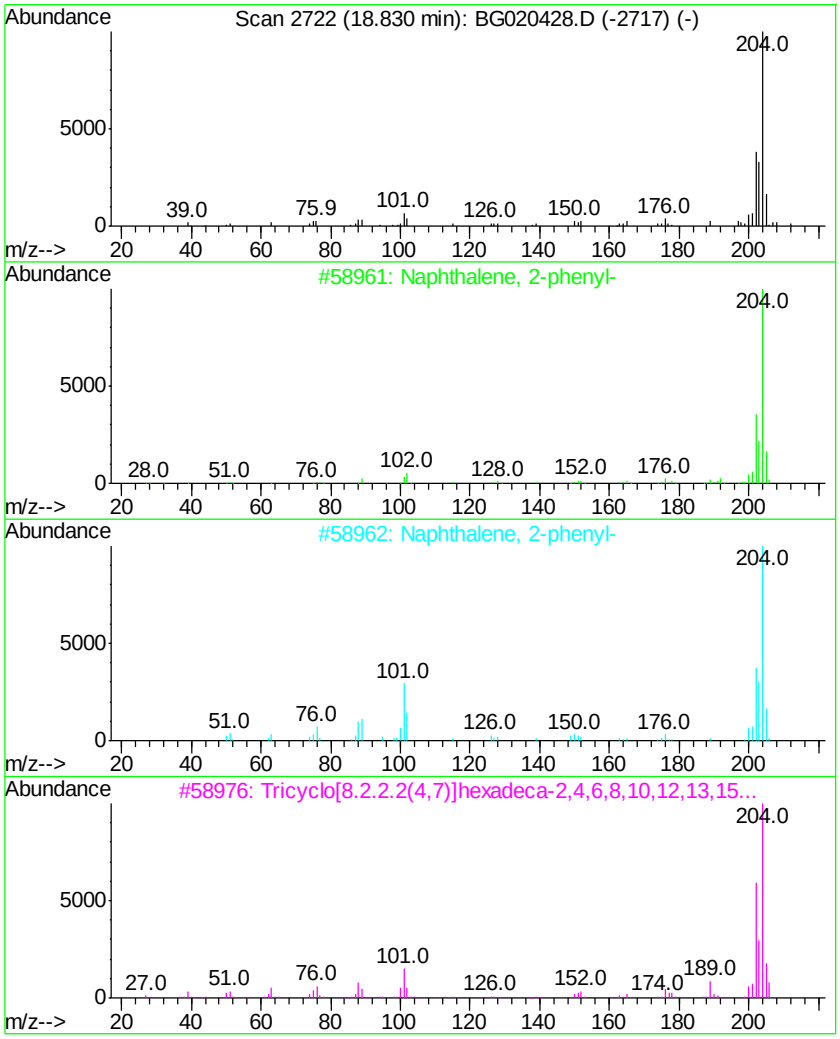
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

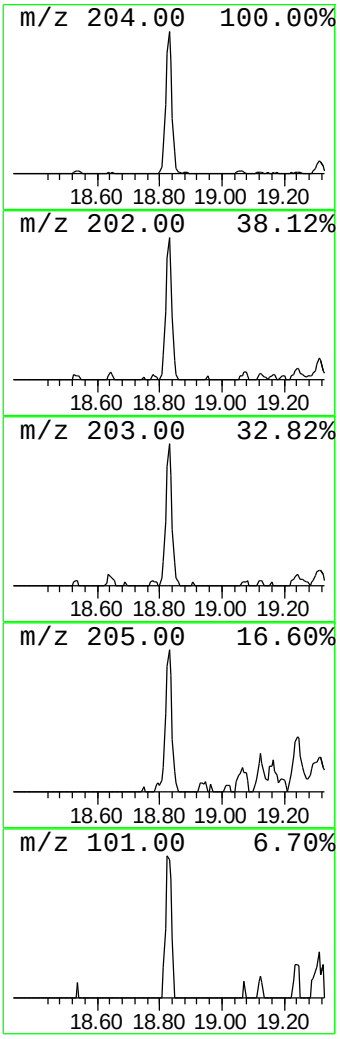
****

Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.65 ng/ul	83809	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	62
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

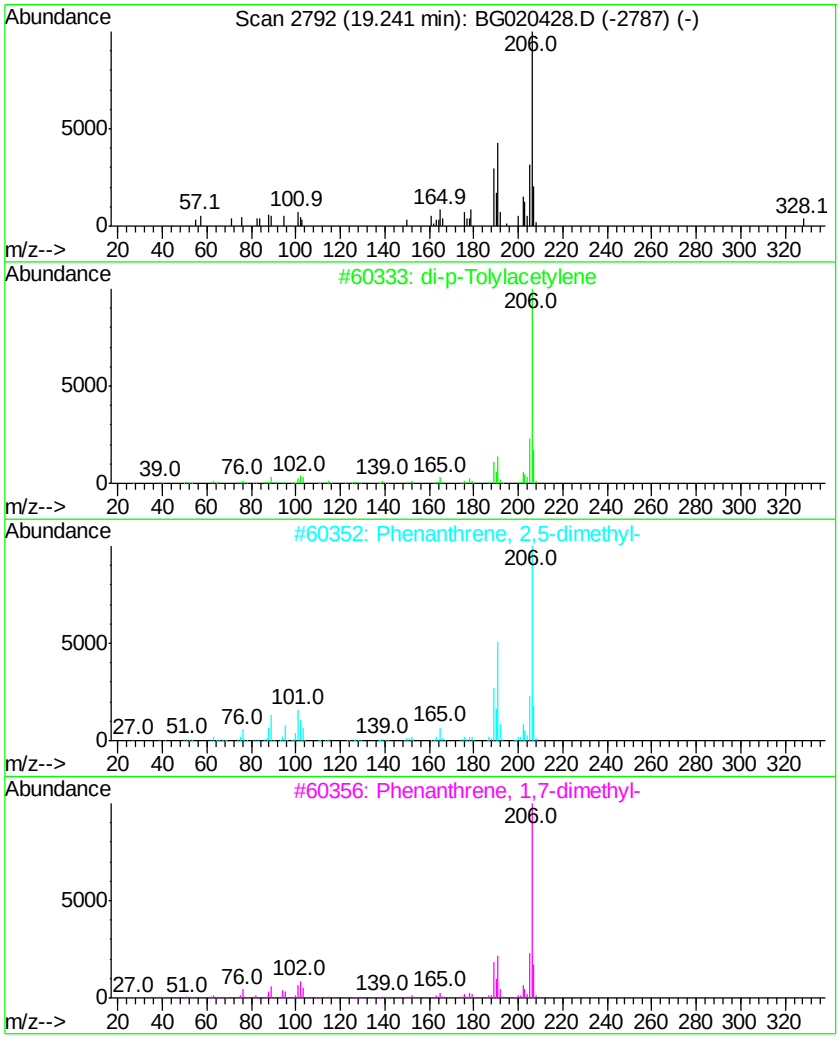
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

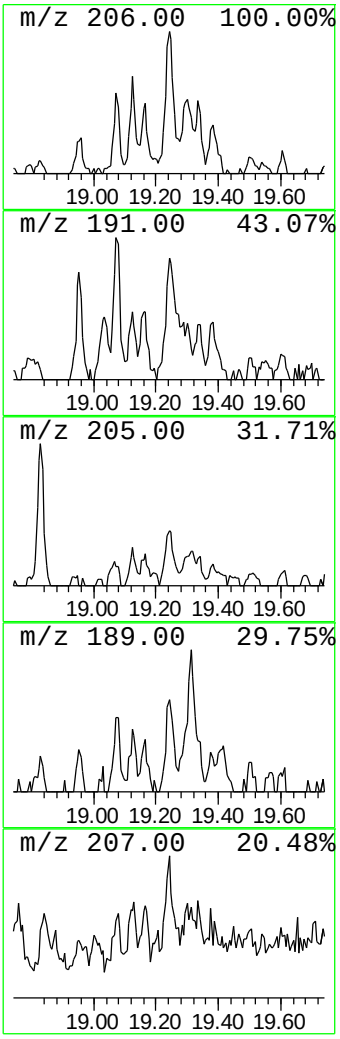
****

Peak Number 21 di-p-Tolylacetylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.09 ng/ul	31002	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

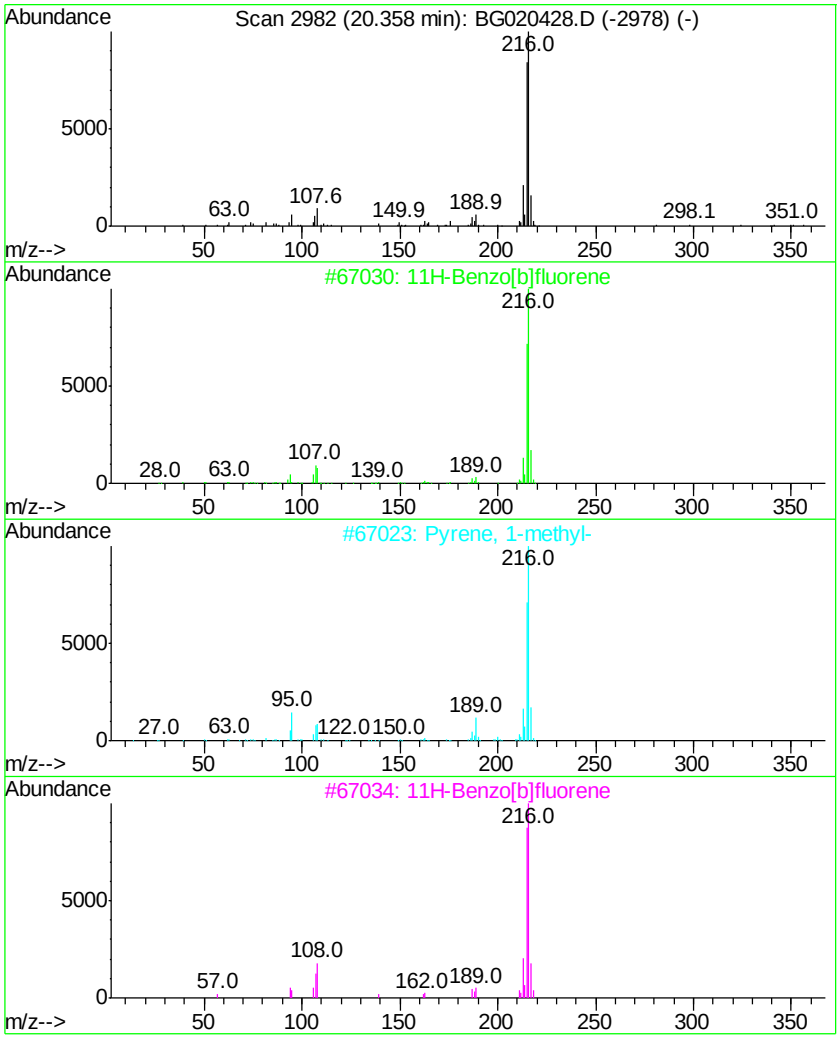
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

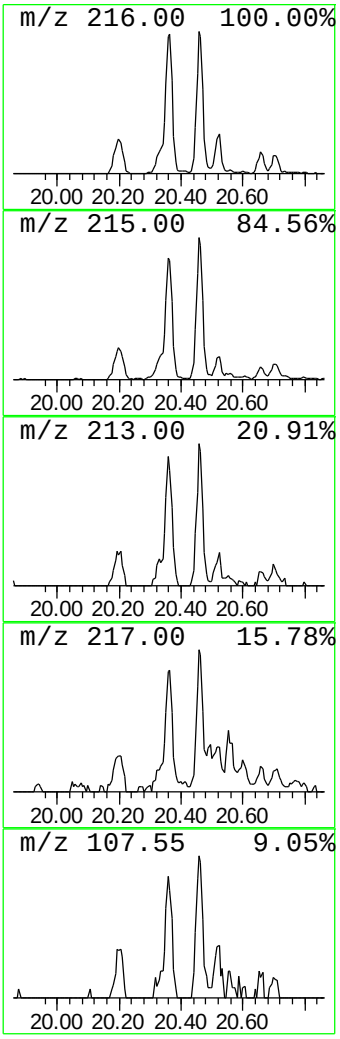
****

Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	3.65 ng/ul	108489	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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

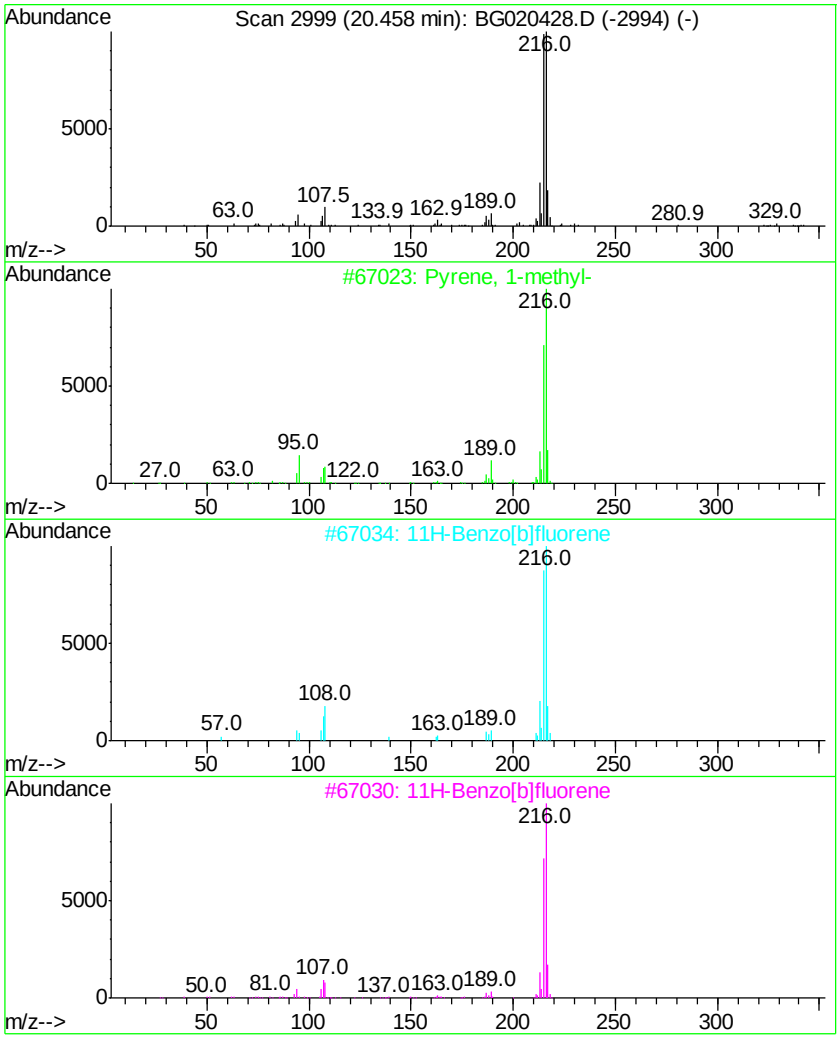
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

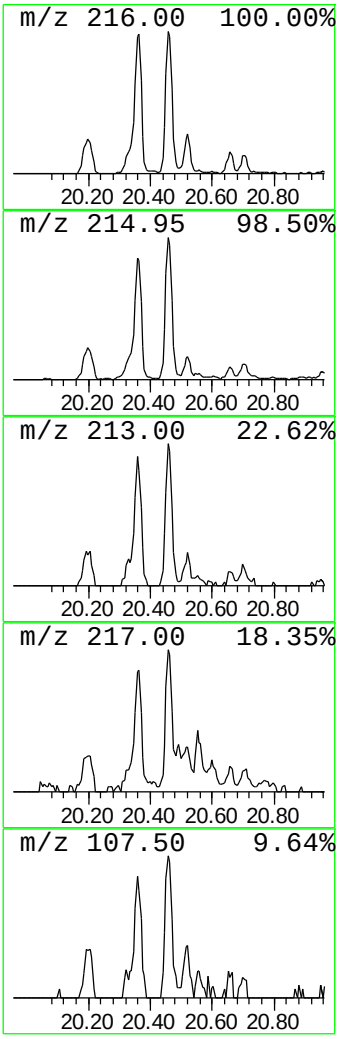
****

Peak Number 23 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	4.17 ng/ul	123856	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73DL

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
Indene	8.62	2.9	ng/ul	13979	1	8.08	96845	20.0
Naphthalene, 1-me...	12.77	18.4	ng/ul	142022	2	10.90	154449	20.0
Naphthalene, 1-et...	13.75	2.9	ng/ul	35098	3	14.72	242983	20.0
Naphthalene, 2,3-...	14.04	5.9	ng/ul	71660	3	14.72	242983	20.0
Naphthalene, 1,3-...	14.28	2.0	ng/ul	24357	3	14.72	242983	20.0
1-Isopropenylnaph...	15.89	2.9	ng/ul	35720	3	14.72	242983	20.0
Diphenylmethane	15.92	5.2	ng/ul	63513	3	14.72	242983	20.0
Nordiphenamid	16.01	2.6	ng/ul	32225	3	14.72	242983	20.0
[1,1'-Biphenyl]-4...	16.06	5.5	ng/ul	66429	3	14.72	242983	20.0
Dibenzofuran, 4-m...	16.20	7.2	ng/ul	106841	4	17.47	296422	20.0
Anthracene, 9,10-...	16.56	2.5	ng/ul	37005	4	17.47	296422	20.0
9H-Fluorene, 2-me...	16.76	5.4	ng/ul	80083	4	17.47	296422	20.0
Naphtho[2,3-b]thi...	17.28	7.9	ng/ul	117260	4	17.47	296422	20.0
Phenanthrene, 1-m...	18.34	7.6	ng/ul	112652	4	17.47	296422	20.0
Phenanthrene, 2-m...	18.38	9.6	ng/ul	142351	4	17.47	296422	20.0
4H-Cyclopenta[def...	18.54	16.0	ng/ul	237786	4	17.47	296422	20.0
Naphthalene, 2-ph...	18.83	5.7	ng/ul	83809	4	17.47	296422	20.0
di-p-Tolylacetylene	19.24	2.1	ng/ul	31002	4	17.47	296422	20.0
11H-Benzo[b]fluorene	20.36	3.6	ng/ul	108489	5	21.74	594636	20.0
Pyrene, 1-methyl-	20.46	4.2	ng/ul	123856	5	21.74	594636	20.0