LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

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-BG070615.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	2.882	29	33	48	rVB	2738940	3650570	14.91%	1.365%
2	6.777	687	696	705	rBV	341009	581765	2.38%	0.218%
3	7.136	748	757	765	rBV	329281	536821	2.19%	0.201%
4	7.606	830	837	846	rVB	718366	1132268	4.62%	0.423%
5	8.311	947	957	963	rBV	419151	692460	2.83%	0.259%
6	8.751	1026	1032	1043	rVB	306050	521315	2.13%	0.195%
7	9.474	1148	1155	1163	rVB	270309	461709	1.89%	0.173%
8	10.009	1238	1246	1256	rVB	413635	712488	2.91%	0.266%
9	10.385	1302	1310	1314	rBV	1128470	1900935	7.76%	0.711%
10	10.438	1314	1319	1326	rVB	1130663	1870313	7.64%	0.699%
11	10.526	1326	1334	1345	rBV2	295788	582868	2.38%	0.218%
12	12.059	1588	1595	1601	rVB	692731	1129881	4.61%	0.423%
13	12.277	1620	1632	1643	rVB	552970	965669	3.94%	0.361%
14	13.087	1763	1770	1776	rVB	291518	463342	1.89%	0.173%
15	13.575	1844	1853	1858	rBV	496708	889409	3.63%	0.333%
16	13.628	1858	1862	1866	rVV	327893	471847	1.93%	0.176%
17	13.675	1866	1870	1874	rVV	642455	916514	3.74%	0.343%
18	13.945	1910	1916	1920	rBV	817482	1329462	5.43%	0.497%
19	13.980	1920	1922	1928	rVB	381062	502872	2.05%	0.188%
20	14.257	1960	1969	1975	rVV3	1646589	2931078	11.97%	1.096%
21	14.327	1975	1981	1988	rVV	2362200	3501371	14.30%	1.309%
22	14.462	1999	2004	2014	rBV2	369781	709710	2.90%	0.265%
23	14.662	2032	2038	2045	rVV	1881973	2834466	11.57%	1.060%
24	15.255	2134	2139	2143	rVV	980278	1484279	6.06%	0.555%
25	15.314	2143	2149	2154	rVV	3020332	4332828	17.69%	1.620%
26	15.402	2158	2164	2167	rVV3	225168	487074	1.99%	0.182%
27	15.438	2167	2170	2173	rVV	338276	471007	1.92%	0.176%
28	15.473	2173	2176	2181	rVV3	475898	674207	2.75%	0.252%
29	15.608	2194	2199	2208	rVB	702575	1107488	4.52%	0.414%
30	15.755	2217	2224	2232	rVB	803685	1571829	6.42%	0.588%
31	15.843	2232	2239	2247	rVB3	195725	504737	2.06%	0.189%
32	16.319	2309	2320	2325	rBV4	568149	1527228	6.24%	0.571%
33	16.366	2325	2328	2334	rVV2	369532	552594	2.26%	0.207%
34	16.466	2341	2345	2350	rVB2	293830	464233	1.90%	0.174%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

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-BG070615.M
Title : SVOA CALIBRATION

35	16.548	2350	2359	2362	rBV3	384500	817890	3.34%	0.306%
36	16.666	2375	2379	2387	rVV2	431566	728271	2.97%	0.272%
37	16.748	2388	2393	2399	rVV3	415999	1024710	4.18%	0.383%
38	16.830	2403	2407	2417	rVB	1084510	1776193	7.25%	0.664%
39	17.018	2429	2439	2442	rBV	1665118	3082789	12.59%	1.153%
40	17.071	2442	2448	2452	rVV	11716834	20322191	82.98%	7.600%
41	17.118	2452	2456	2458	rVV2	1424617	2082145	8.50%	0.779%
42	17.153	2458	2462	2467	rVV	4772933	6548413	26.74%	2.449%
43	17.206	2467	2471	2477	rVB2	481112	757217	3.09%	0.283%
44	17.418	2503	2507	2511	rVB	1433039	1844619	7.53%	0.690%
45	17.535	2523	2527	2532	rBV3	384931	531233	2.17%	0.199%
46	17.594	2533	2537	2547	rVB5	257656	487514	1.99%	0.182%
47	17.894	2582	2588	2591	rVV	1714869	2622065	10.71%	0.981%
48	17.941	2591	2596	2603	rVB	2677506	3807611	15.55%	1.424%
49	18.023	2604	2610	2615	rBV	1216453	1841805	7.52%	0.689%
50	18.087	2615	2621	2625	rVV2	3118117	5544378	22.64%	2.073%
51	18.123	2625	2627	2634	rVB	1301558	1497059	6.11%	0.560%
52	18.399	2670	2674	2678	rVV	1517845	2121191	8.66%	0.793%
53	18.440	2678	2681	2686	rVB	732271	975287	3.98%	0.365%
54	18.646	2712	2716	2720	rVB2	399935	545103	2.23%	0.204%
55	18.693	2720	2724	2727	rVV2	384635	467789	1.91%	0.175%
56	18.734	2727	2731	2735	rVB2	405819	521712	2.13%	0.195%
57	18.816	2740	2745	2750	rBV	830063	1545313	6.31%	0.578%
58	18.881	2750	2756	2759	rBV3	431591	792457	3.24%	0.296%
59	18.963	2765	2770	2778	rVB3	560340	1228548	5.02%	0.459%
60	19.098	2785	2793	2798	rBV	11892799	20930808	85.46%	7.827%
61	19.186	2805	2808	2812	rVB3	391495	507338	2.07%	0.190%
62	19.292	2820	2826	2828	rBV5	278809	565993	2.31%	0.212%
63	19.327	2828	2832	2836	rVB2	509595	832208	3.40%	0.311%
64	19.462	2843	2855	2861	rBV4	10564293	24491099	100.00%	9.159%
65	19.521	2861	2865	2872	rVB2	960474	1527304	6.24%	0.571%
66	19.627	2879	2883	2889	rBV	985183	1408854	5.75%	0.527%
67	19.691	2889	2894	2899	rVB	964373	1443671	5.89%	0.540%
68	19.774	2902	2908	2909	rBV2	974706	1598868	6.53%	0.598%
69	19.915	2926	2932	2934	rBV3	837861	1595050	6.51%	0.596%
70	19.950	2934	2938	2942	rVB	2131145	3045607	12.44%	1.139%
71	20.050	2950	2955	2958	rVV	1876122	2363126	9.65%	0.884%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

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-BG070615.M
Title : SVOA CALIBRATION

72	20.103	2958	2964	2968	rVV2	1567775	2710934	11.07%	1.014%
73	20.144	2968	2971	2975	rVV	453599	560744	2.29%	0.210%
74	20.244	2984	2988	2992	rBV	852546	1052287	4.30%	0.394%
75	20.291	2992	2996	3000	rVV2	854534	1130303	4.62%	0.423%
76	20.661	3055	3059	3061	rVV3	322627	499073	2.04%	0.187%
77	20.696	3061	3065	3071	rVB	1059635	1612261	6.58%	0.603%
78	20.861	3087	3093	3097	rBV4	1026570	2018336	8.24%	0.755%
79	20.902	3097	3100	3103	rVV	1644204	2087276	8.52%	0.781%
80	20.943	3103	3107	3112	rVV2	1602671	3023149	12.34%	1.131%
81	20.996	3113	3116	3127	rVB	1167244	2015231	8.23%	0.754%
82	21.213	3143	3153	3158	rBV3	8546283	18007554	73.53%	6.734%
83	21.260	3158	3161	3169	rVB	7021513	9255642	37.79%	3.461%
84	21.372	3176	3180	3185	rBV	1536443	2032571	8.30%	0.760%
85	21.530	3202	3207	3211	rBV2	1028573	1704777	6.96%	0.638%
86	21.707	3234	3237	3240	rBV	378679	487508	1.99%	0.182%
87	21.765	3241	3247	3251	rVV	1359752	2352304	9.60%	0.880%
88	21.812	3252	3255	3261	rVB	840502	1100499	4.49%	0.412%
89	21.959	3277	3280	3282	rBV	481825	509802	2.08%	0.191%
90	22.053	3292	3296	3306	rVB4	615767	1341699	5.48%	0.502%
91	22.277	3331	3334	3342	rVB6	655623	1218713	4.98%	0.456%
92	22.794	3414	3422	3426	rBV	4743398	11848008	48.38%	4.431%
93	22.952	3444	3449	3459	rVB	1205605	2071572	8.46%	0.775%
94	23.264	3496	3502	3508	rBV	2744088	5509763	22.50%	2.060%
95	23.364	3513	3519	3526	rVB	4914092	9739377	39.77%	3.642%
96	23.458	3529	3535	3539	rVV2	1758749	3515375	14.35%	1.315%
97	23.505	3539	3543	3551	rVB2	1670111	3045299	12.43%	1.139%
98	25.173	3824	3827	3837	rVB5	605222	1342675	5.48%	0.502%
99	25.731	3912	3922	3931	rVB	2197608	6376856	26.04%	2.385%
100	26.419	4030	4039	4051	rVB2	964893	2952806	12.06%	1.104%

Sum of corrected areas: 267412460

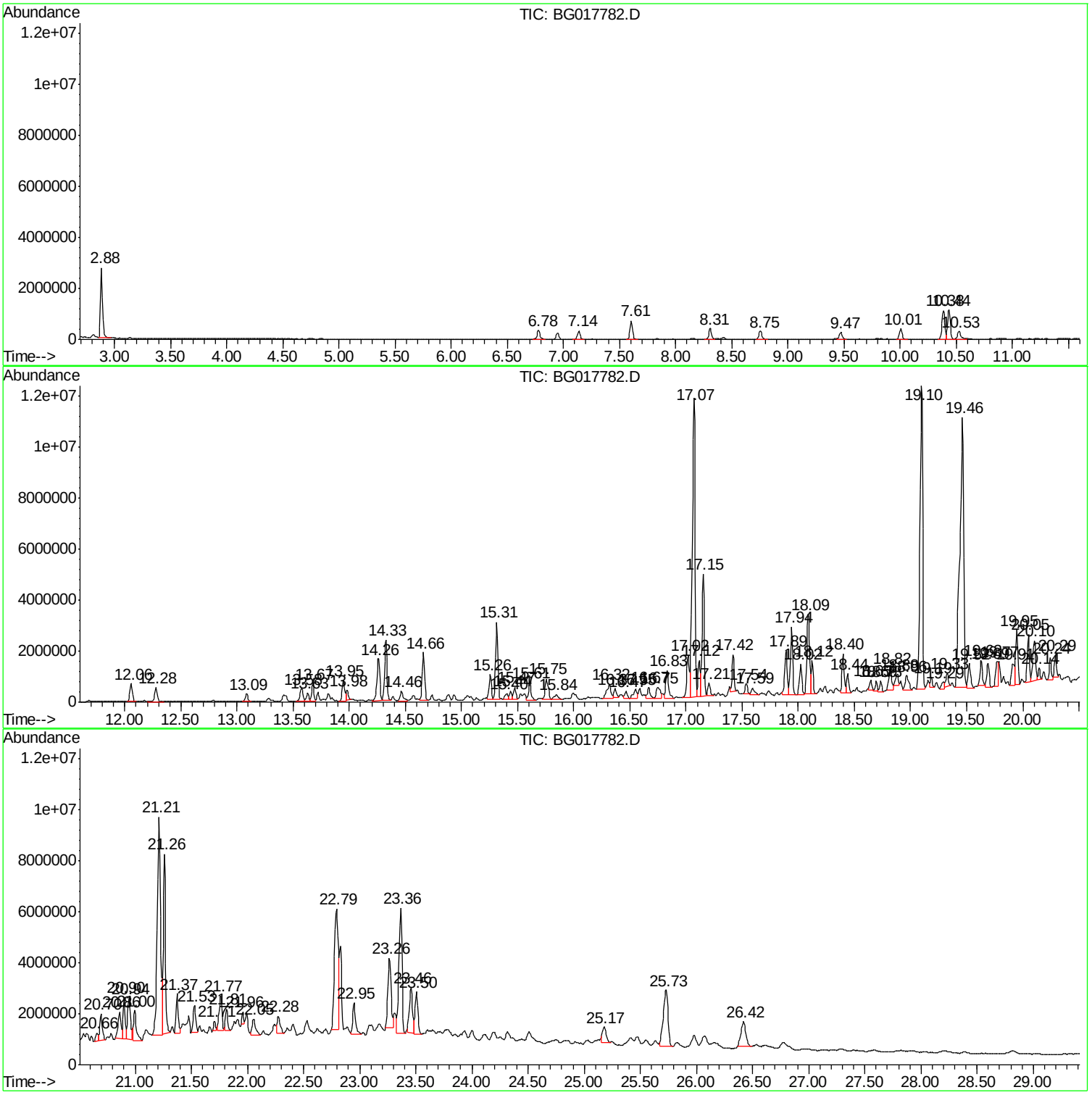
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

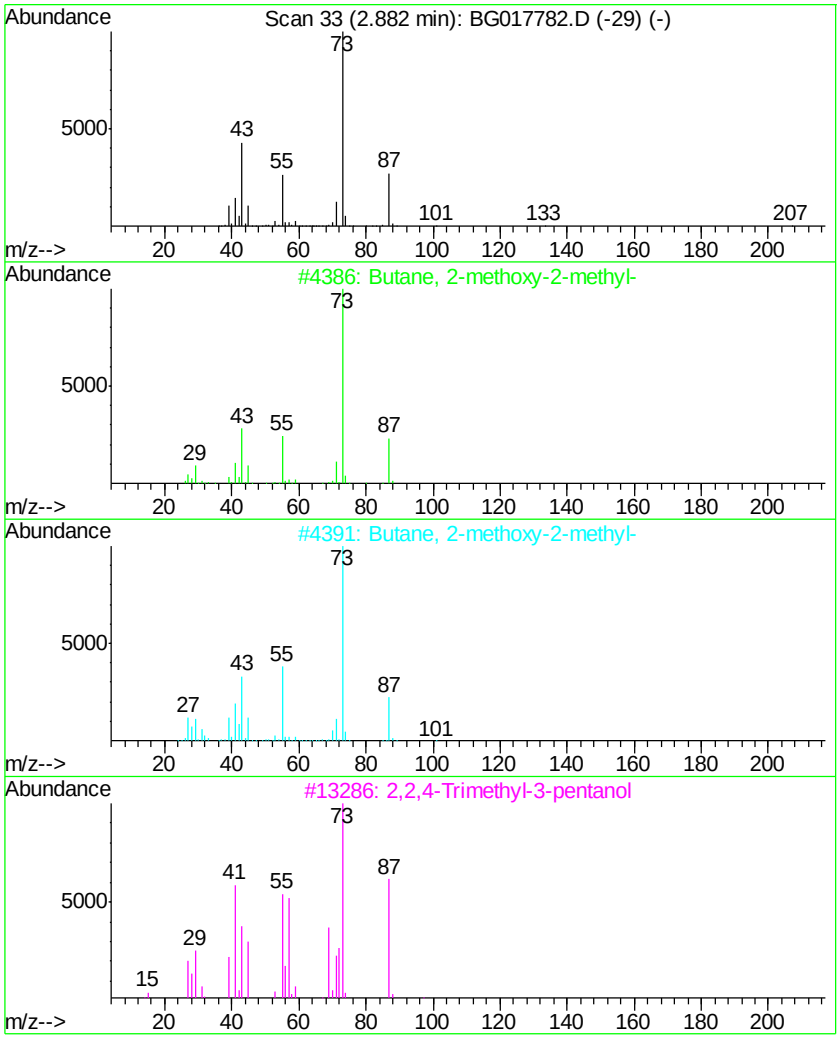
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

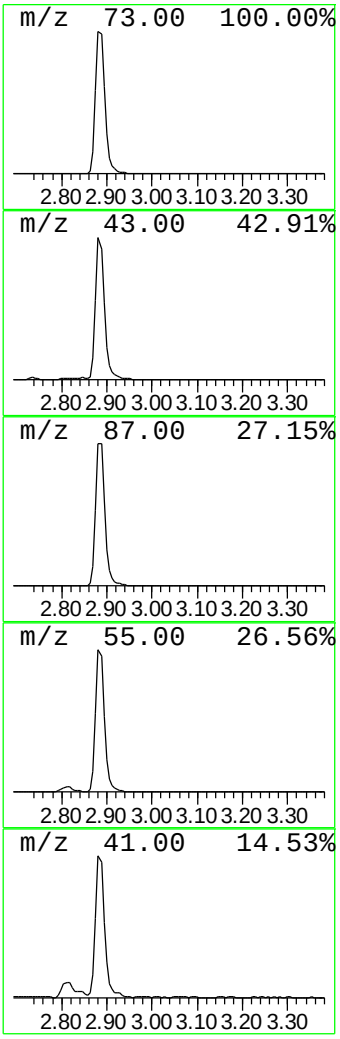
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	64.48 ng/ul	3650570	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

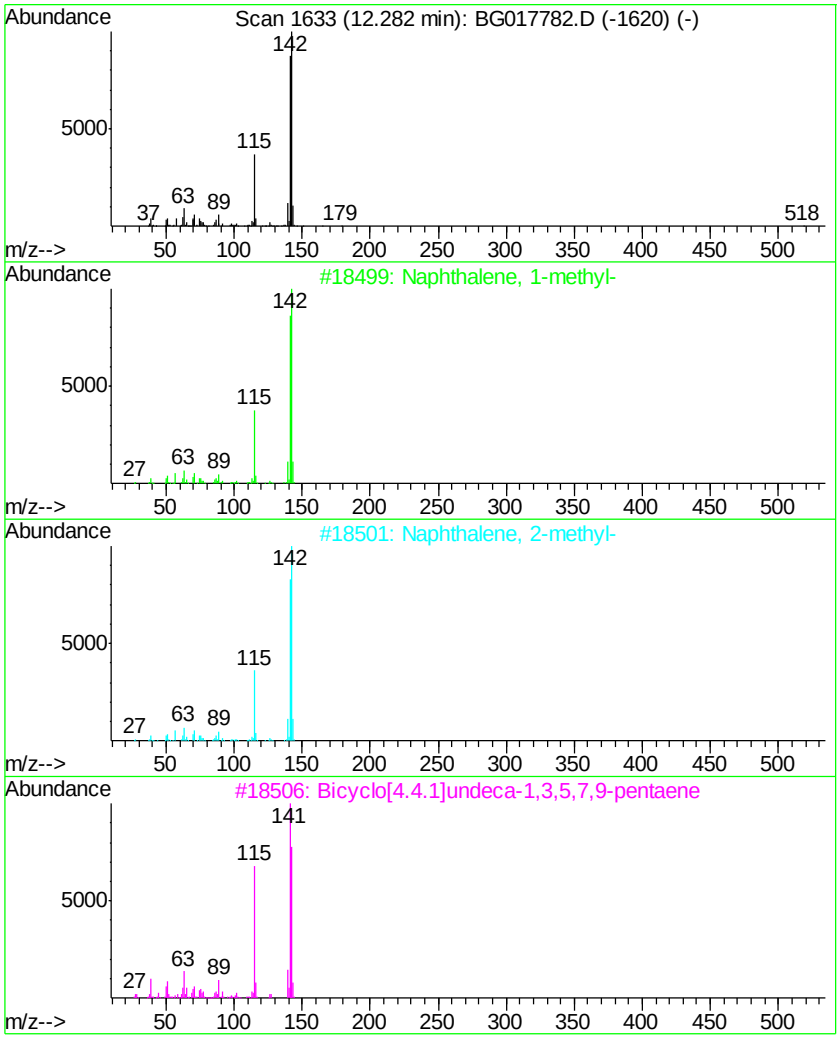
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

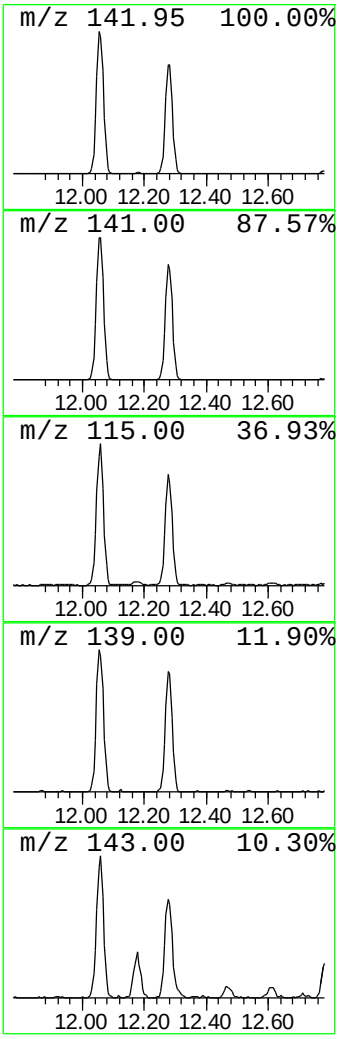
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	10.16 ng/ul	965669	Naphthalene-d8	10.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

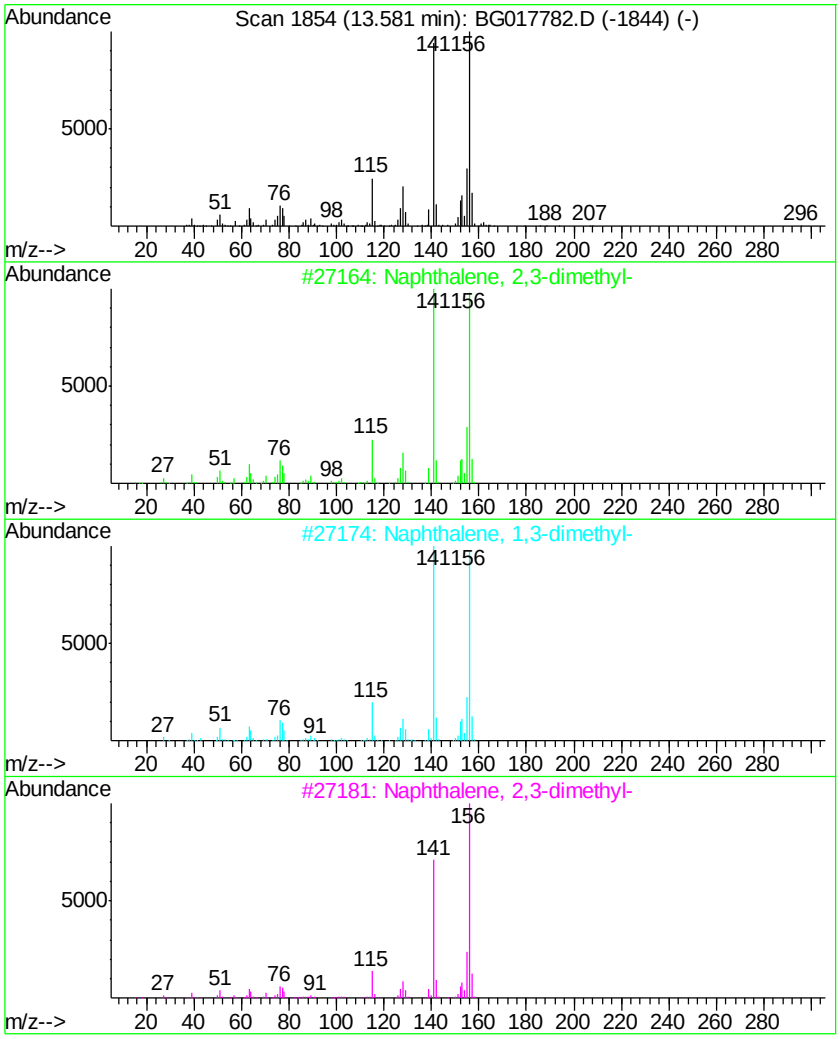
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

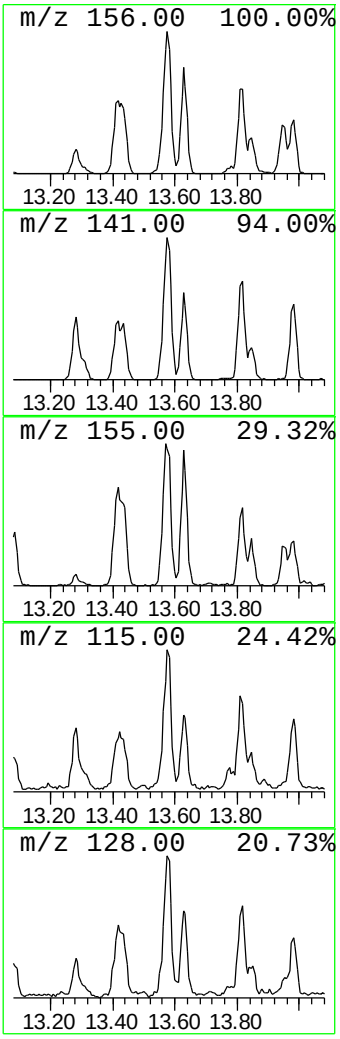
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	6.07 ng/ul	889409	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

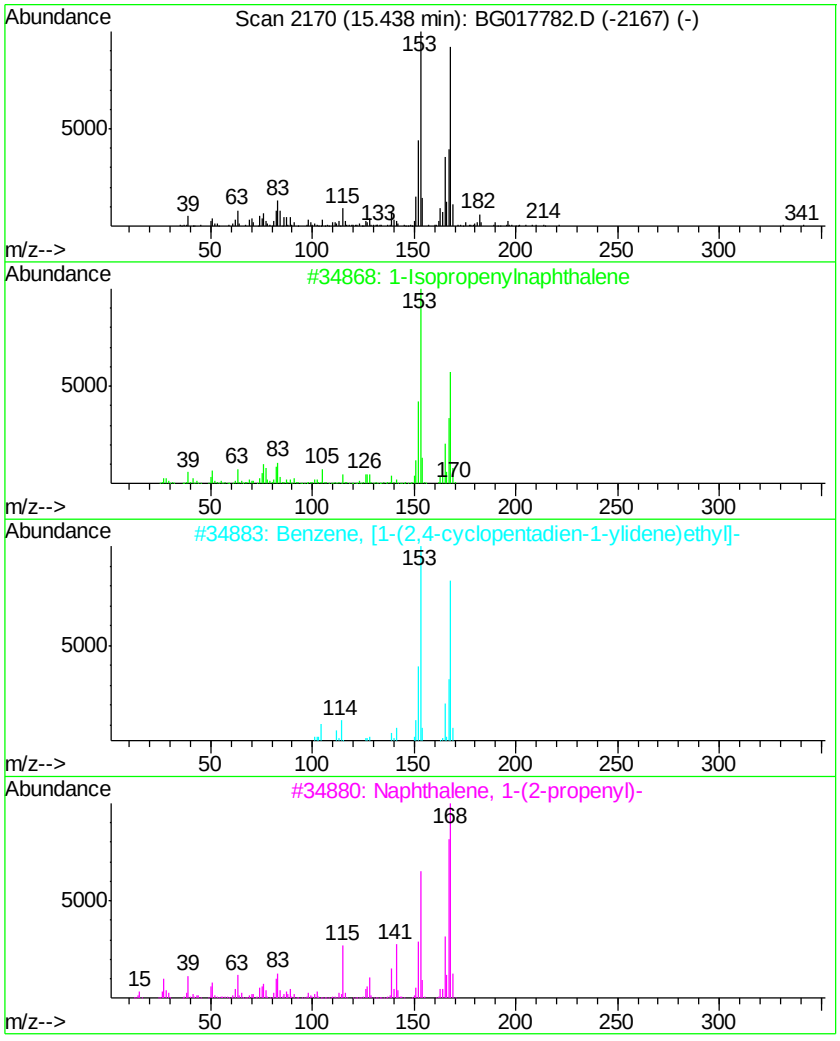
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

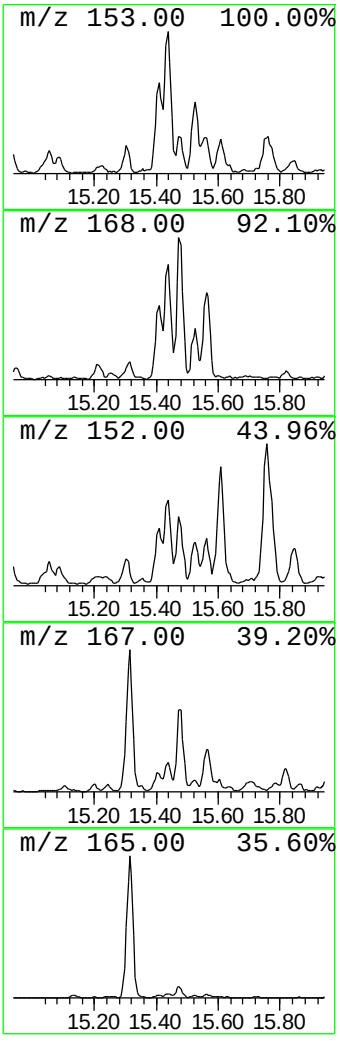
****

Peak Number 4 1-Isopropenylnaphthalene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	3.21 ng/ul	471007	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	89
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Diphenylmethane	168	C13H12	000101-81-5	50
5	Diphenylmethane	168	C13H12	000101-81-5	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

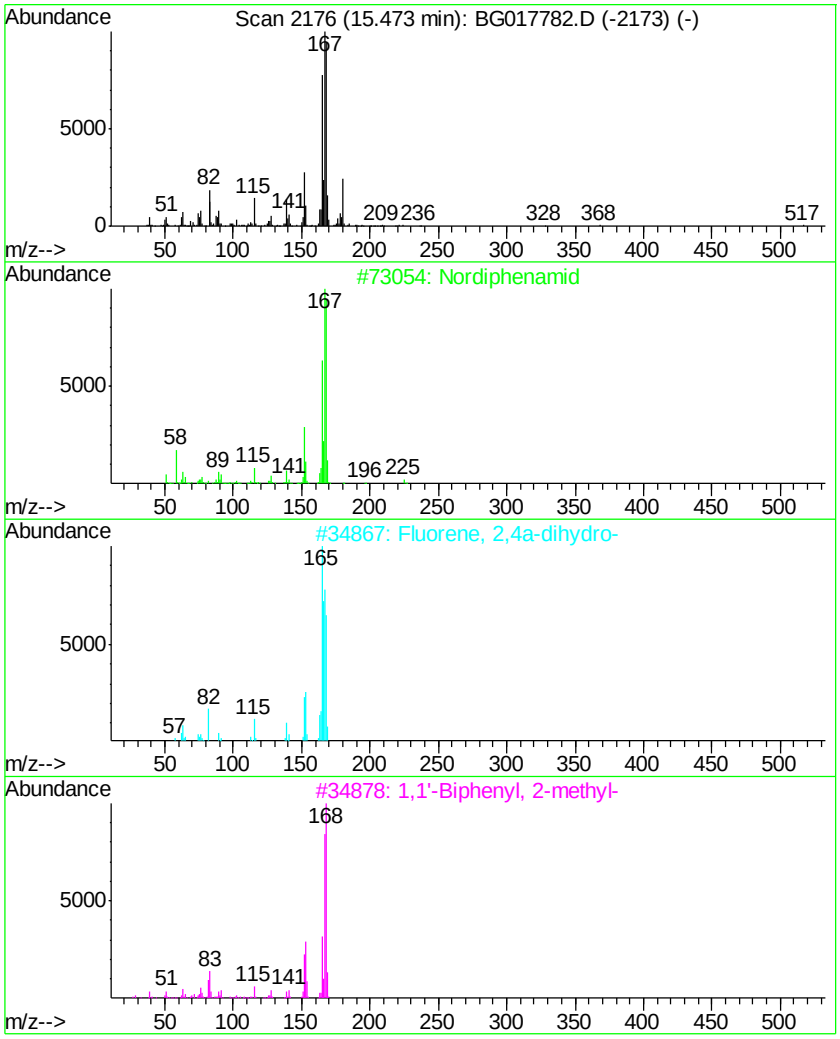
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

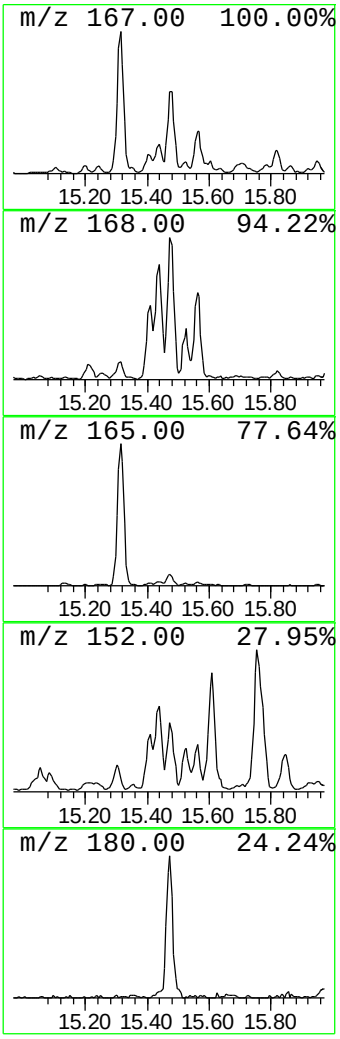
****

Peak Number 5 Nordiphenamid Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	4.60 ng/ul	674207	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	87
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	78
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	60
5	Nordiphenamid	225	C15H15NO	000954-21-2	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

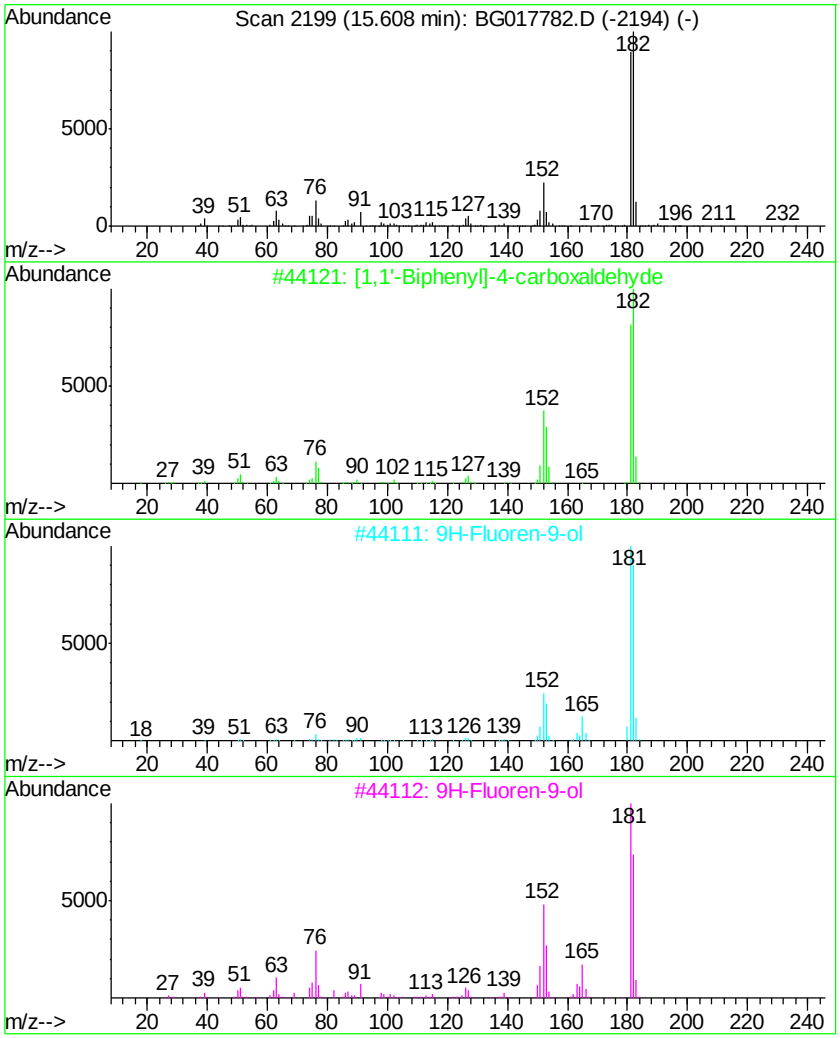
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

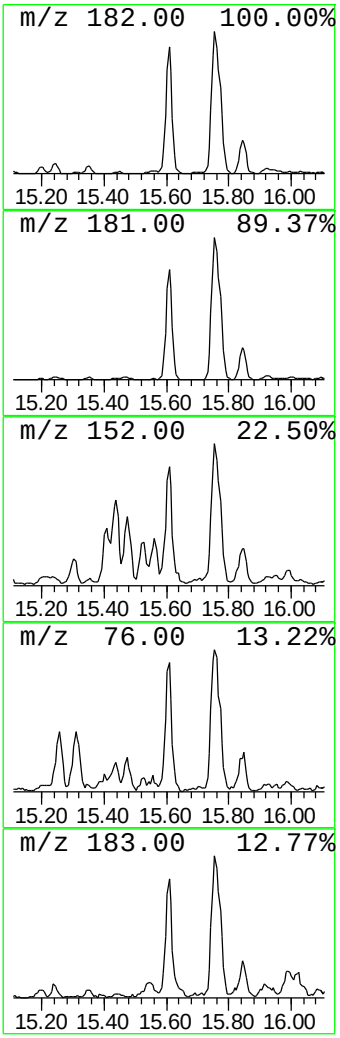
****

Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	7.56 ng/ul	1107490	Acenaphthene-d10	14.26

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	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

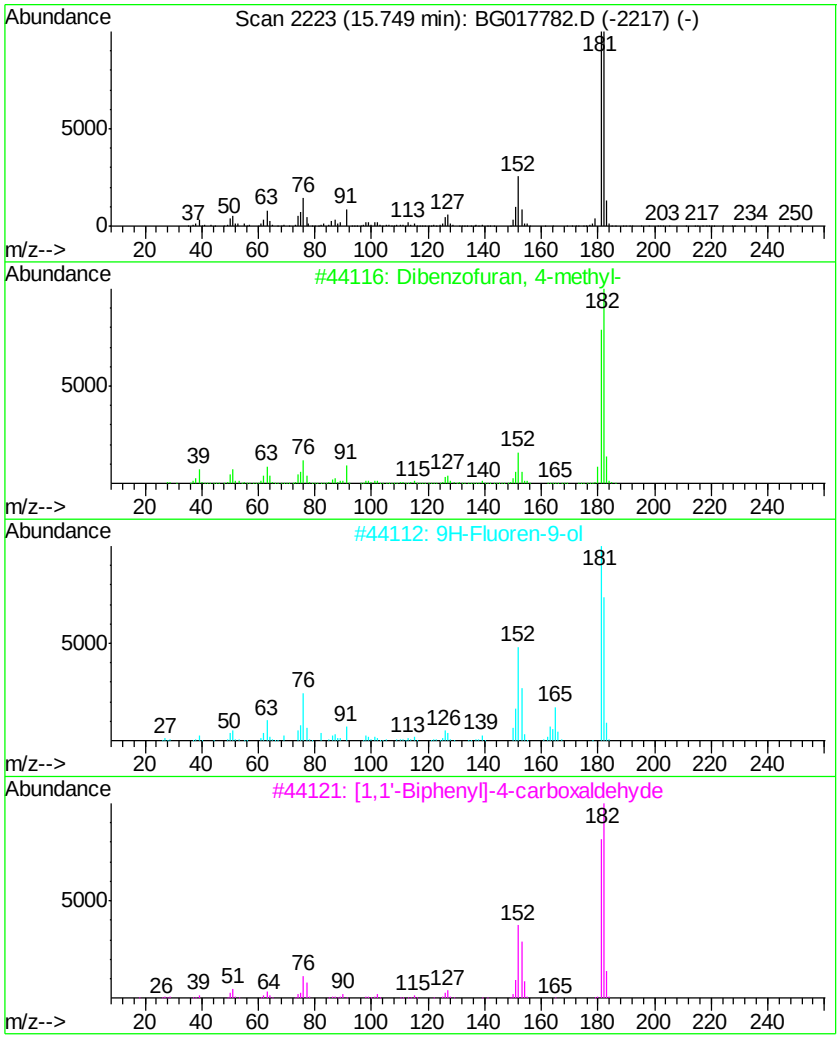
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

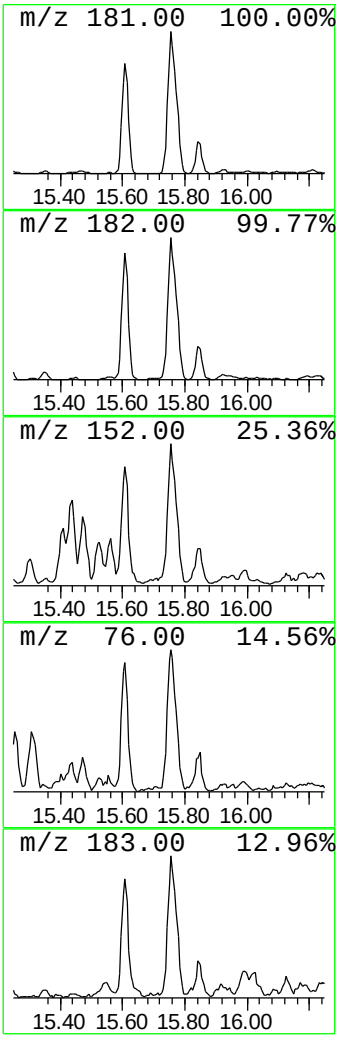
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	10.20 ng/ul	1571830	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	92
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

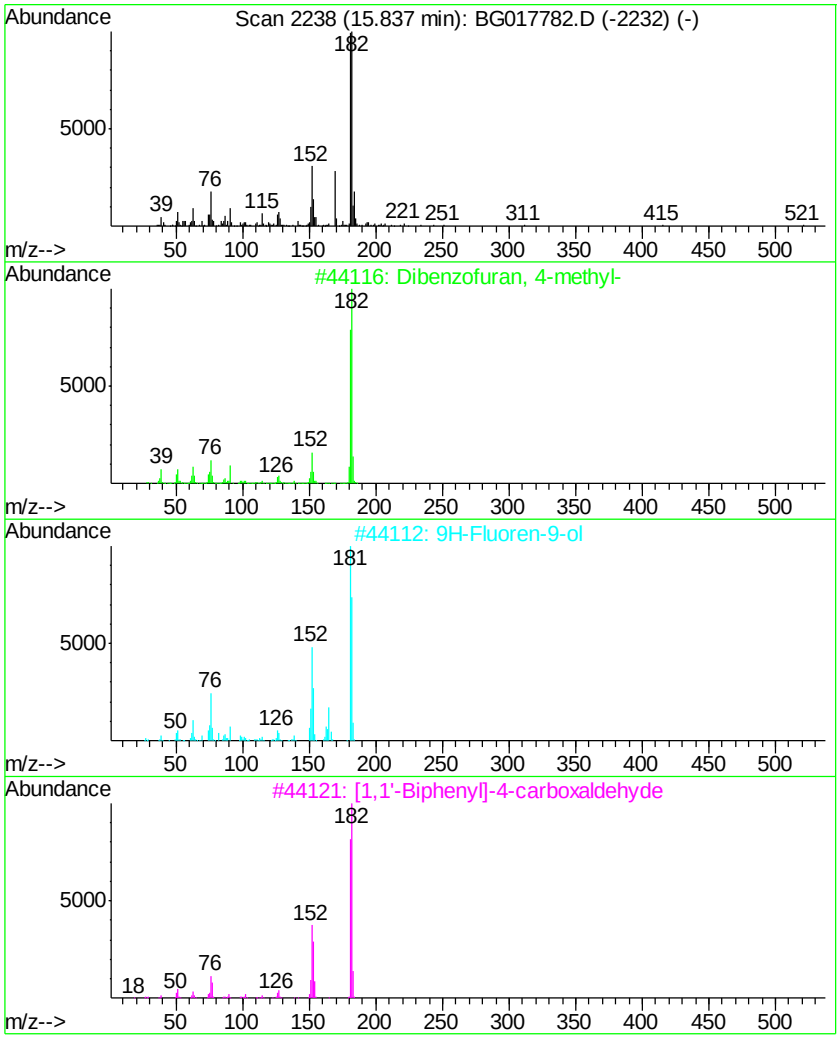
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

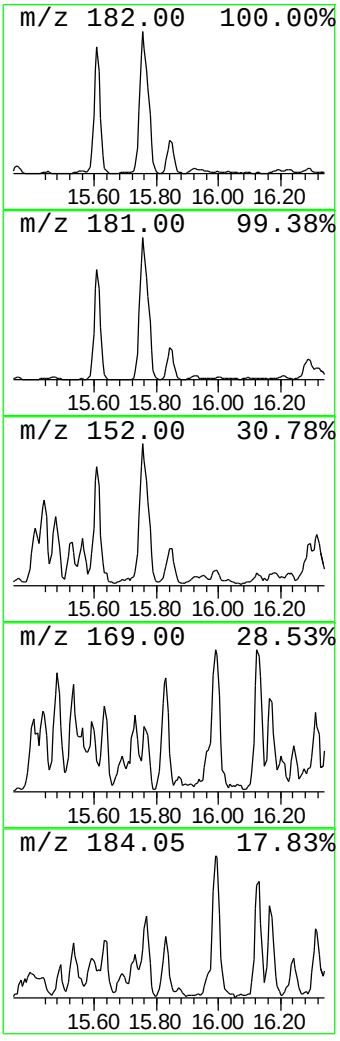
****

Peak Number 8 9H-Fluoren-9-ol Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.27 ng/ul	504737	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

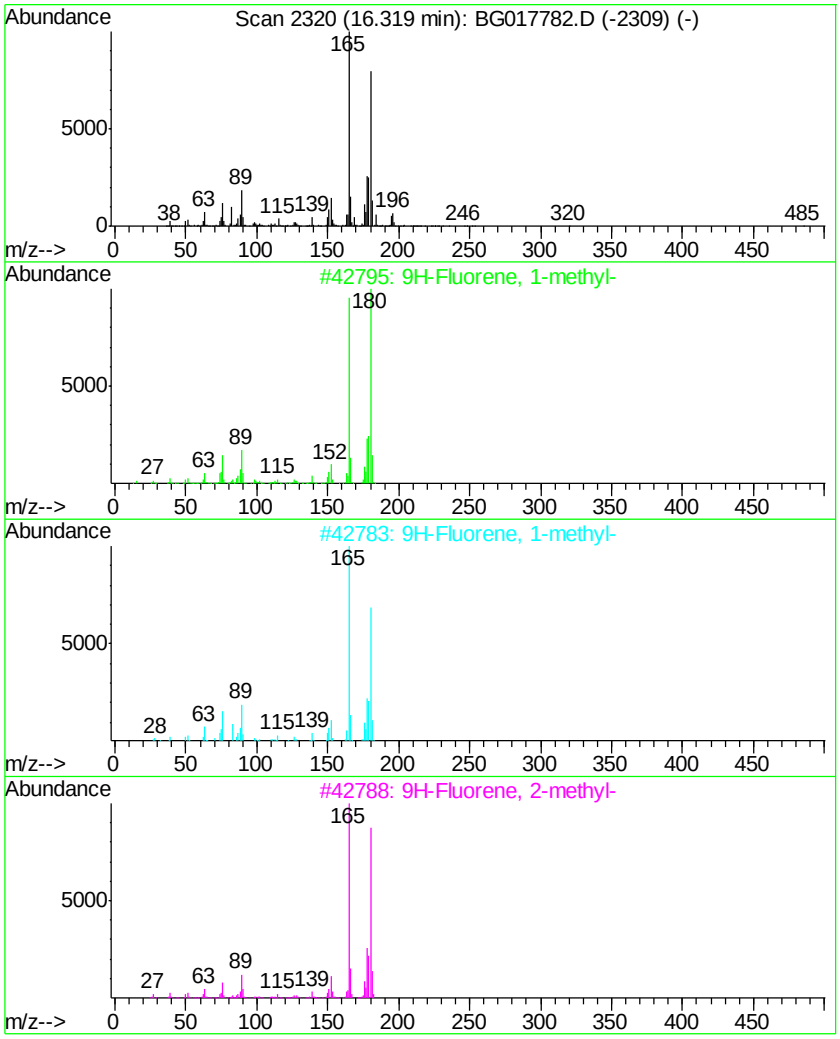
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

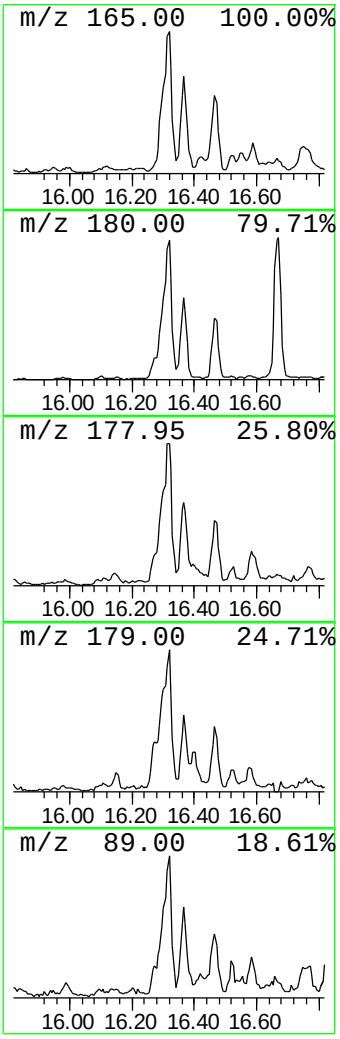
****

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	9.91 ng/ul	1527230	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

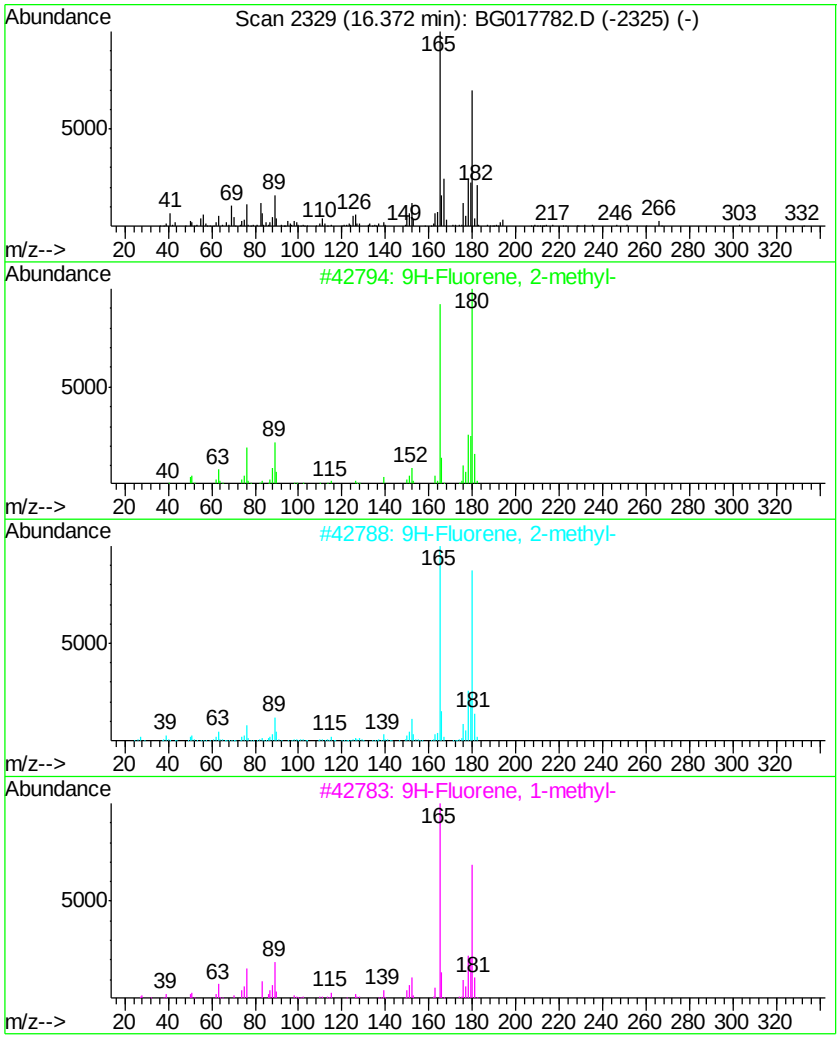
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

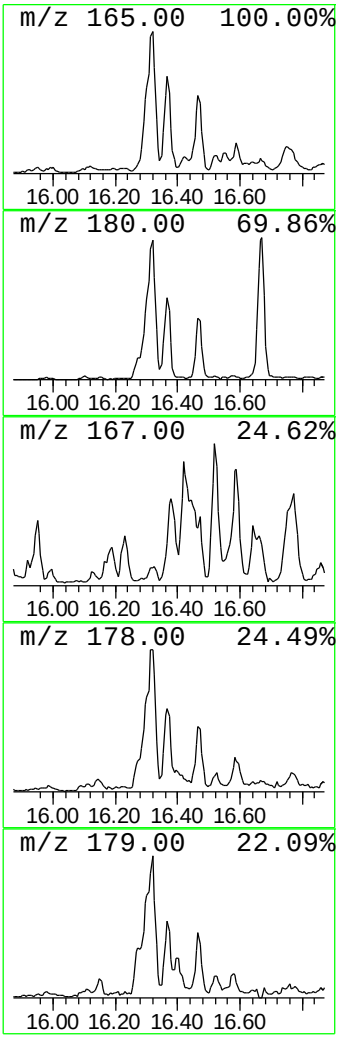
****

Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	3.59 ng/ul	552594	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

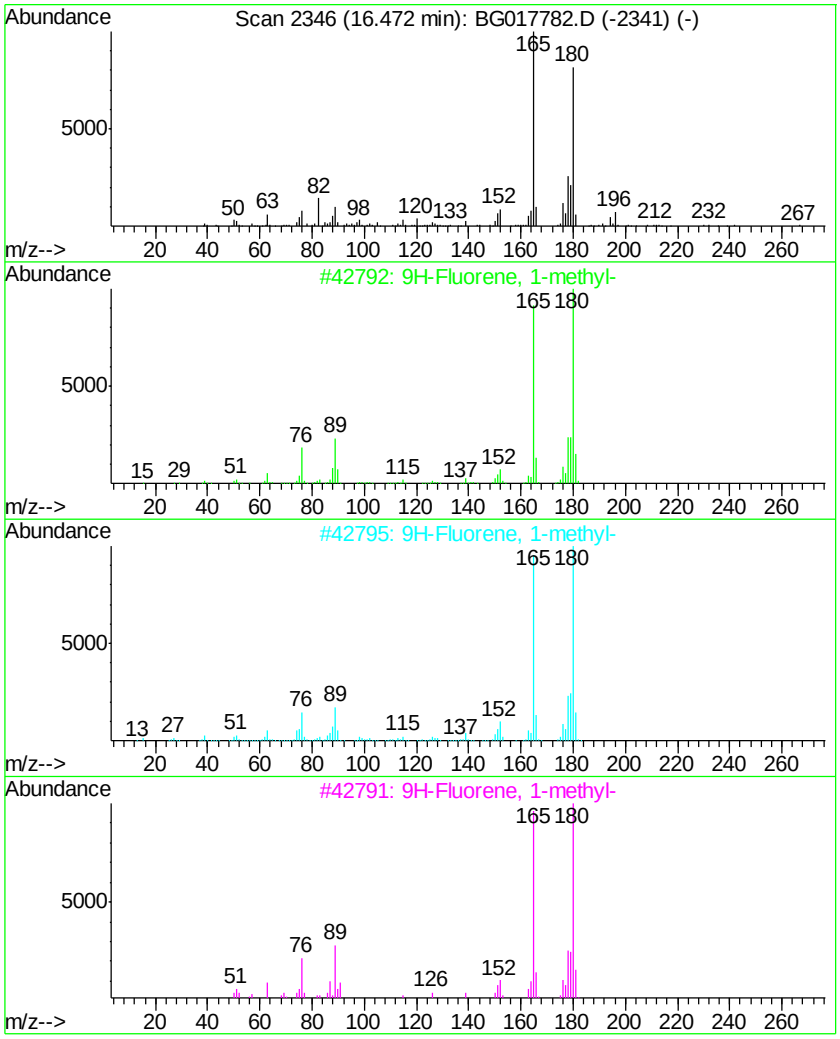
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

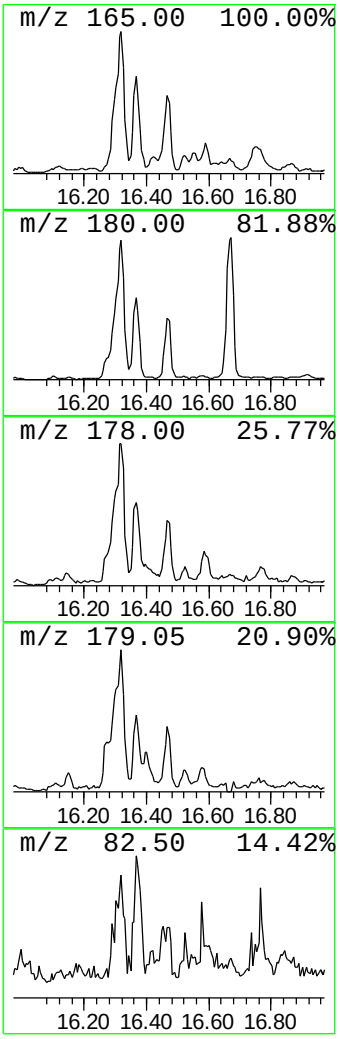
****

Peak Number 11 4a,9a-Methano-9H-fluorene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	3.01 ng/ul	464233	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

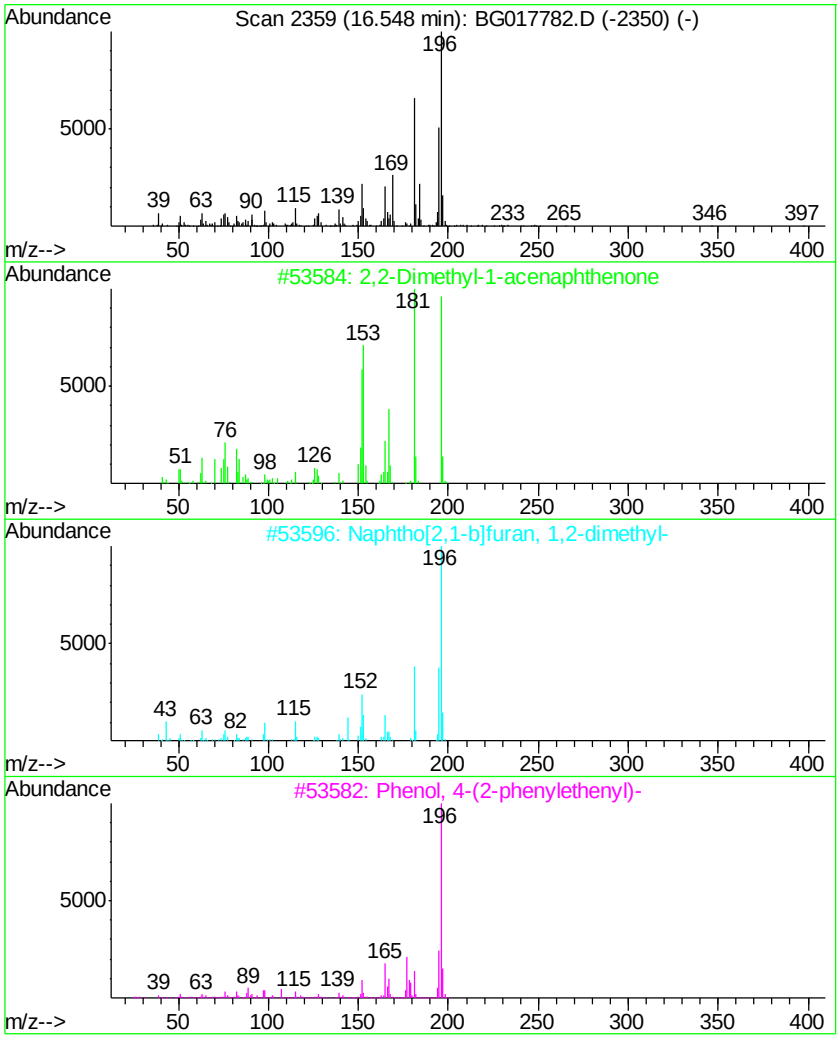
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

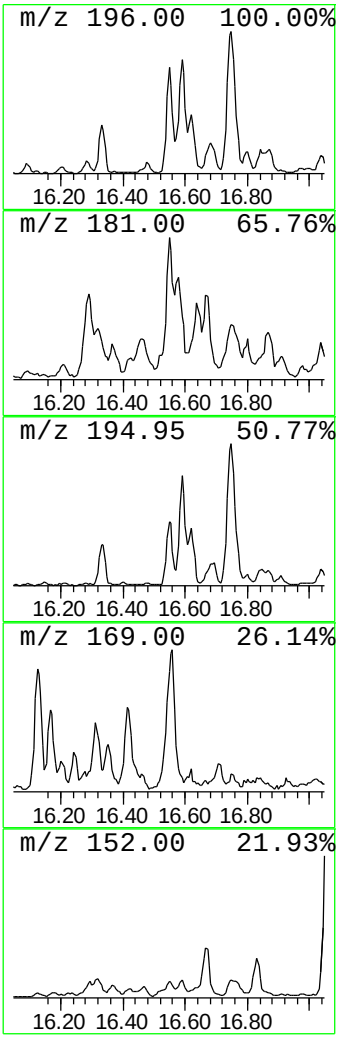
****

Peak Number 12 2,2-Dimethyl-1-acenaphthenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	5.31 ng/ul	817890	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	55
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	49
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
5	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

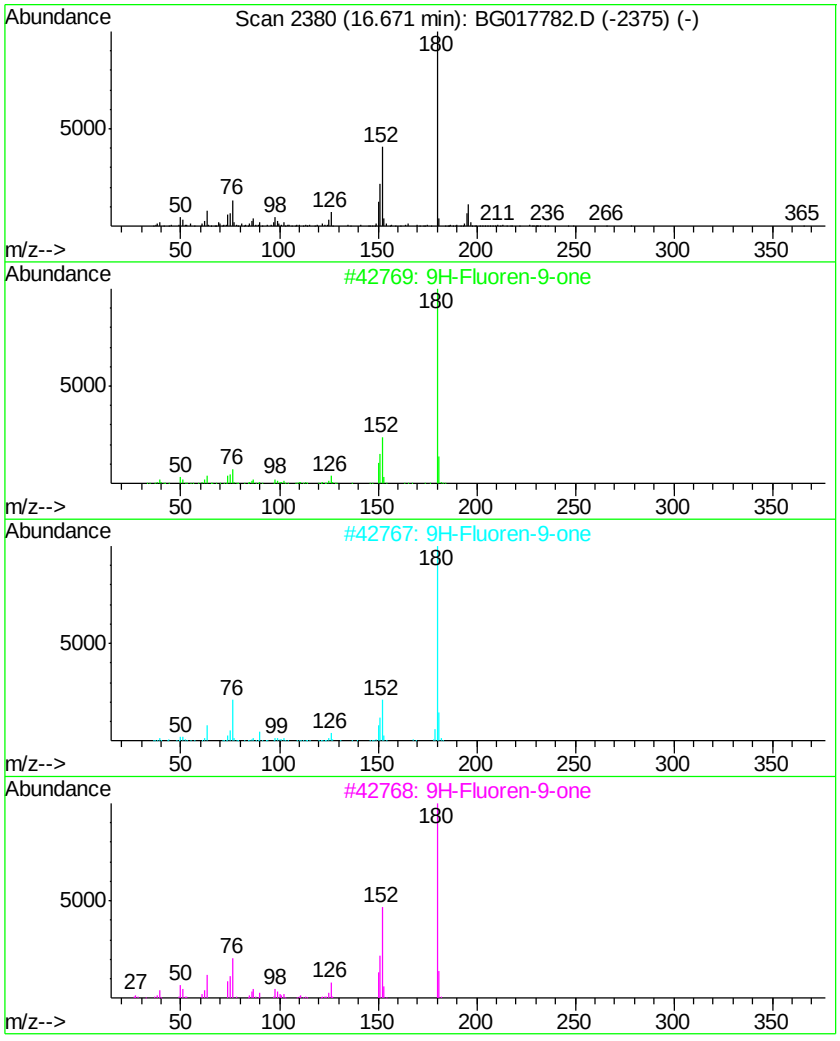
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

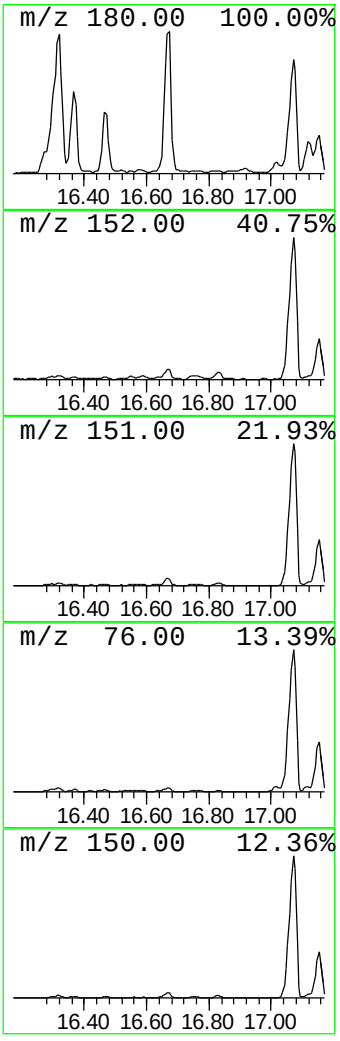
****

Peak Number 13 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	4.72 ng/ul	728271	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

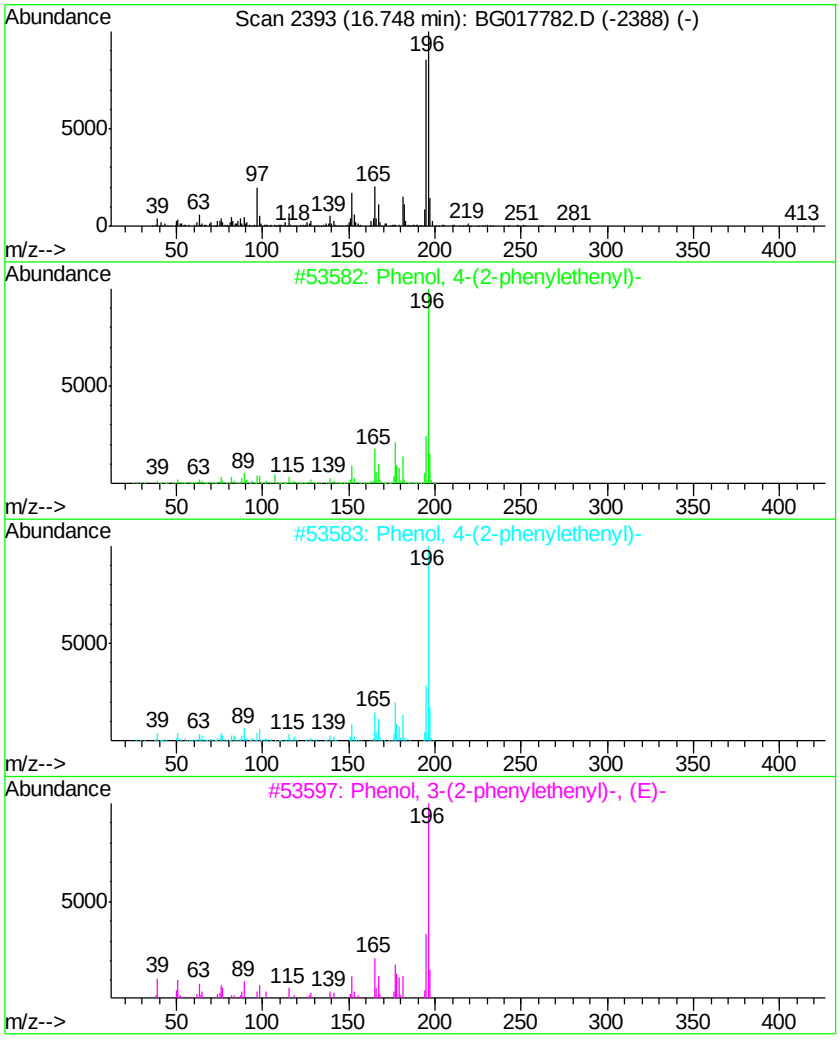
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

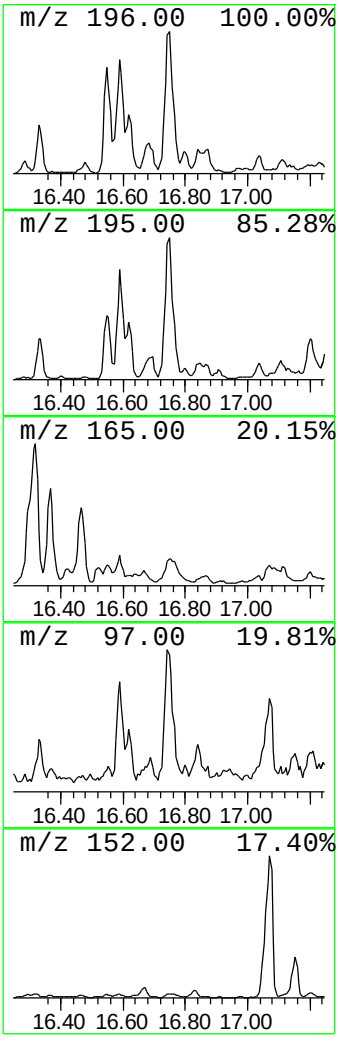
****

Peak Number 14 Phenol, 4-(2-phenylethenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	6.65 ng/ul	1024710	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

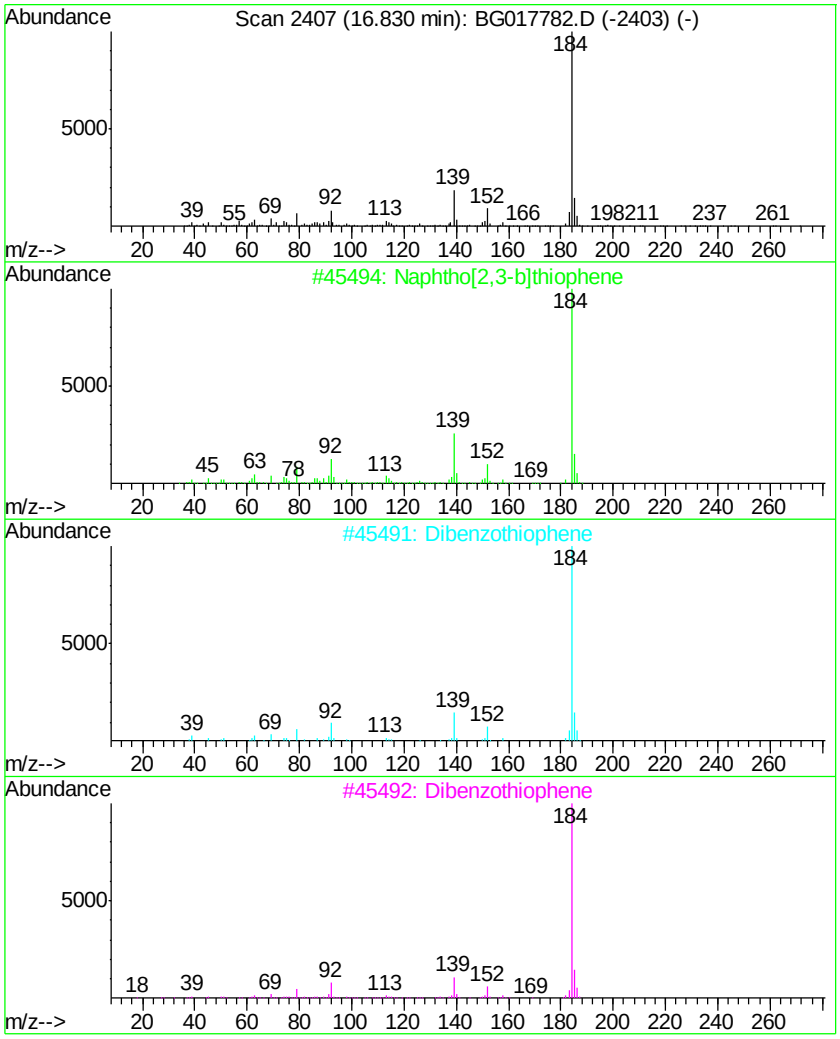
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

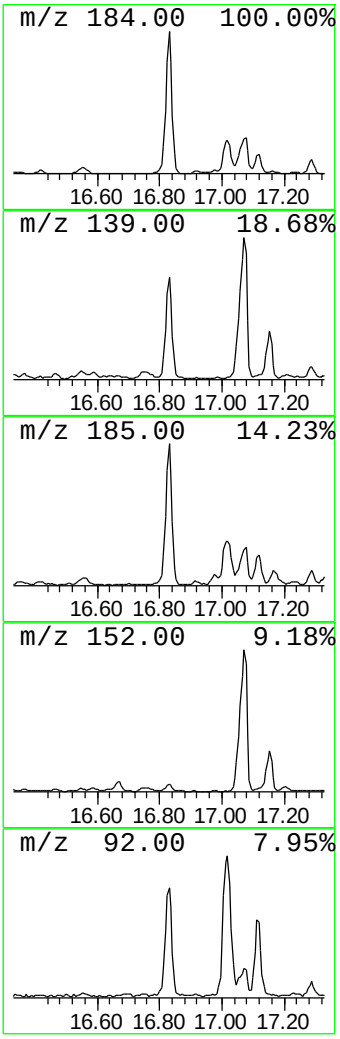
****

Peak Number 15 Naphtho[2,3-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	11.52 ng/ul	1776190	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

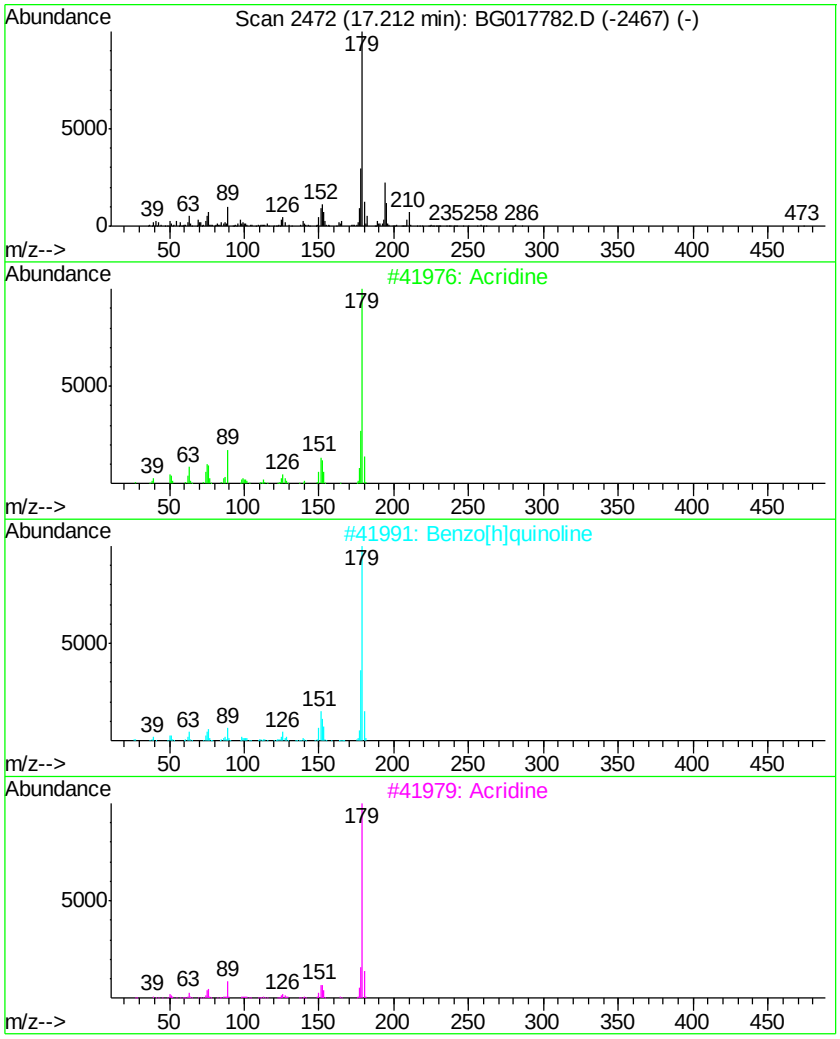
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

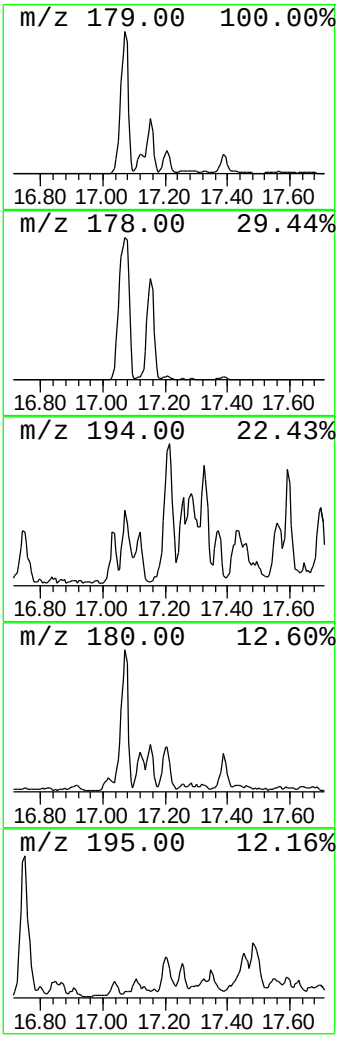
****

Peak Number 16 Acridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	4.91 ng/ul	757217	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	96
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
3	Acridine	179	C13H9N	000260-94-6	93
4	Acridine	179	C13H9N	000260-94-6	93
5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

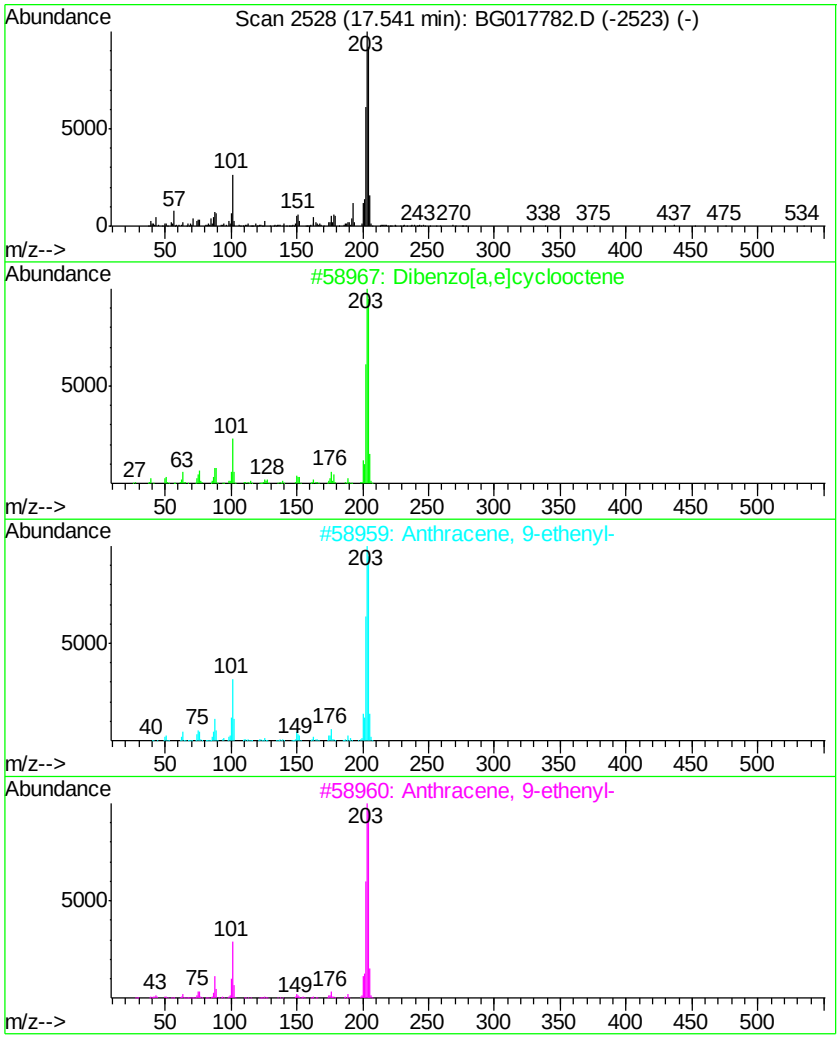
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

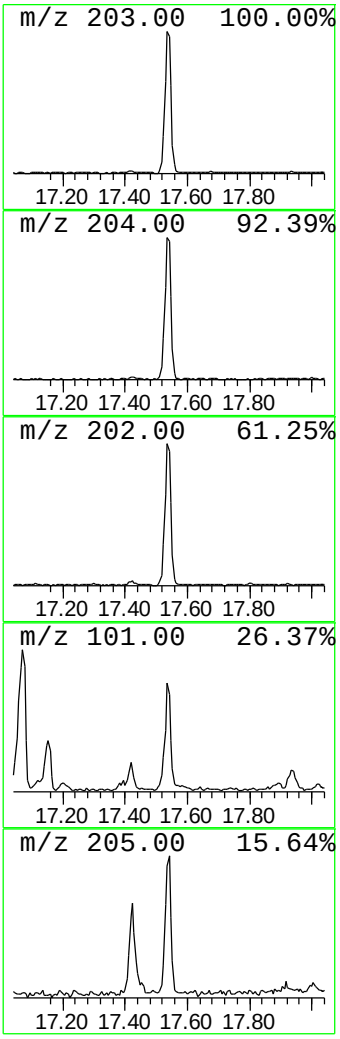
****

Peak Number 17 (DEL) Alkane: Cyclic17.54 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	3.45 ng/ul	531233	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

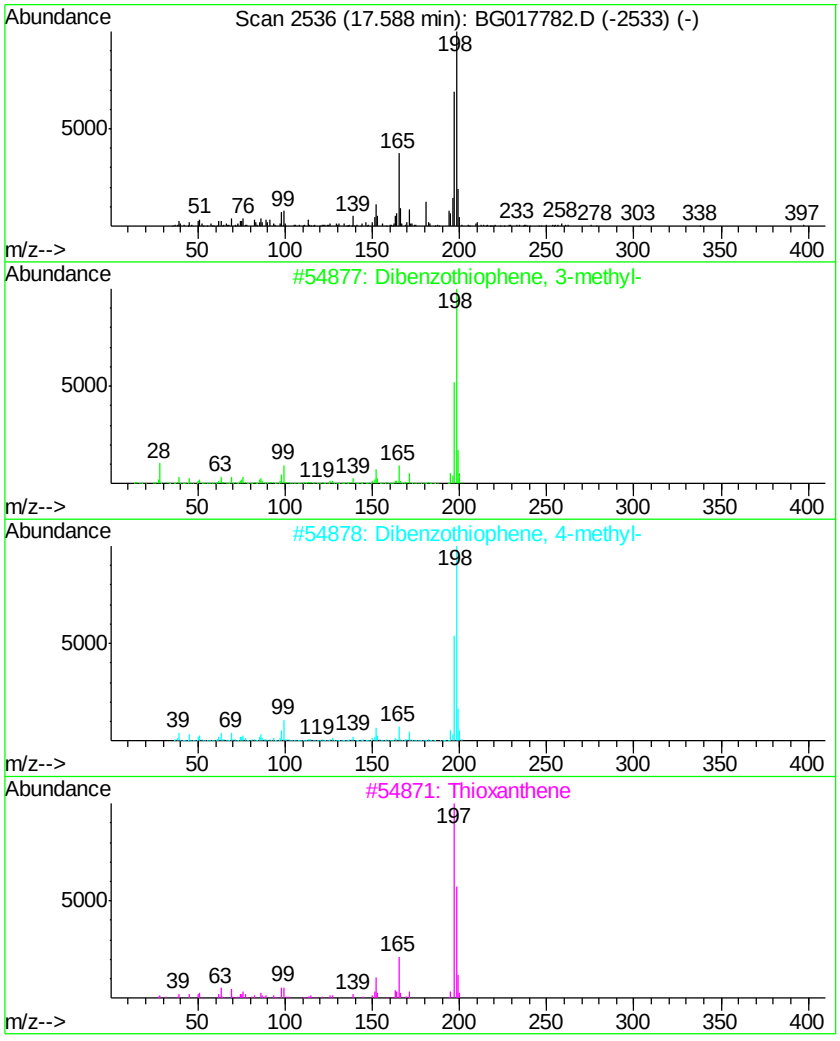
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

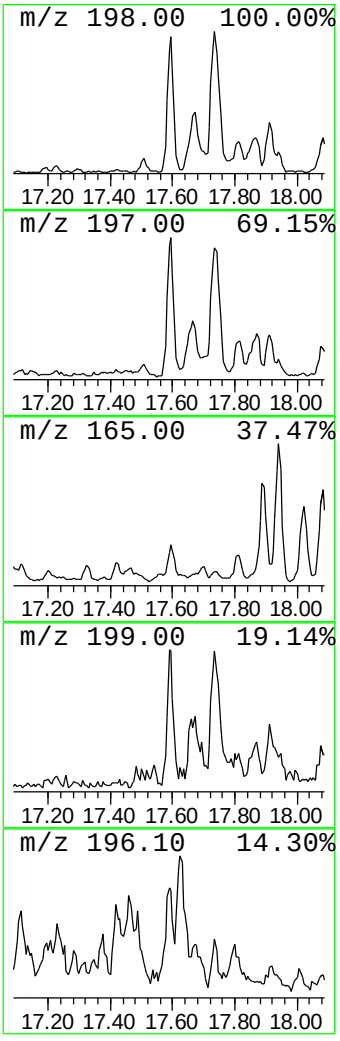
****

Peak Number 18 Dibenzothiophene, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	3.16 ng/ul	487514	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	92
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	Thioxanthene	198	C13H10S	000261-31-4	60
4	Thioxanthene	198	C13H10S	000261-31-4	52
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

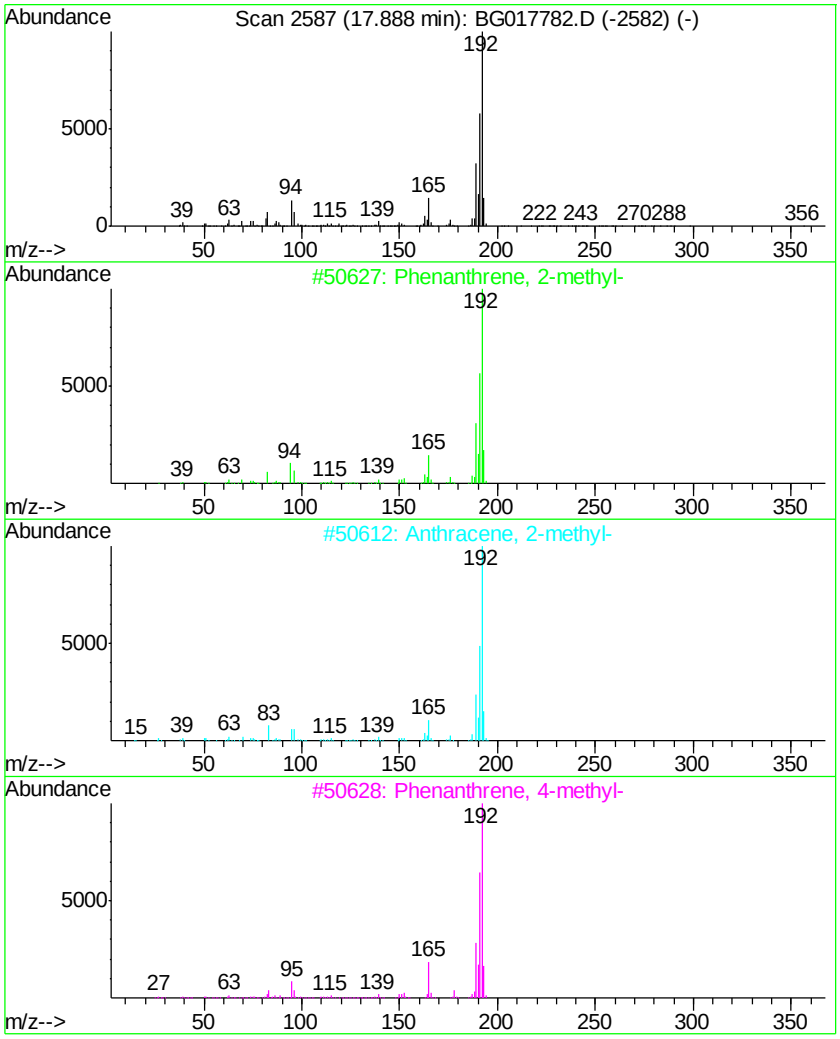
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

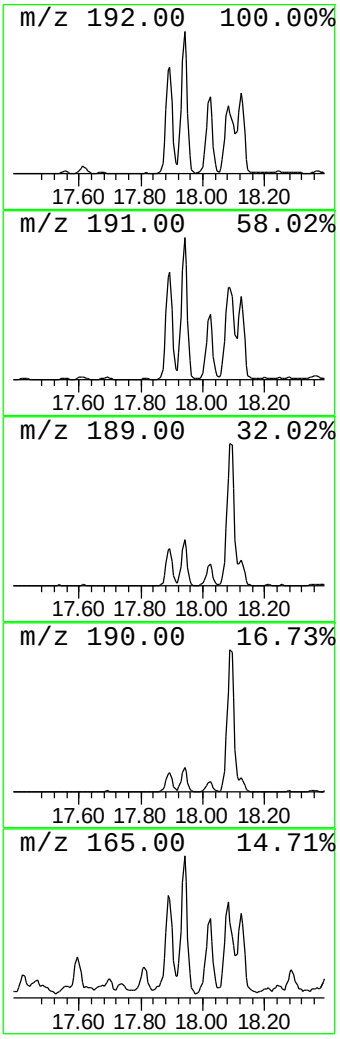
****

Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	17.01 ng/ul	2622070	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

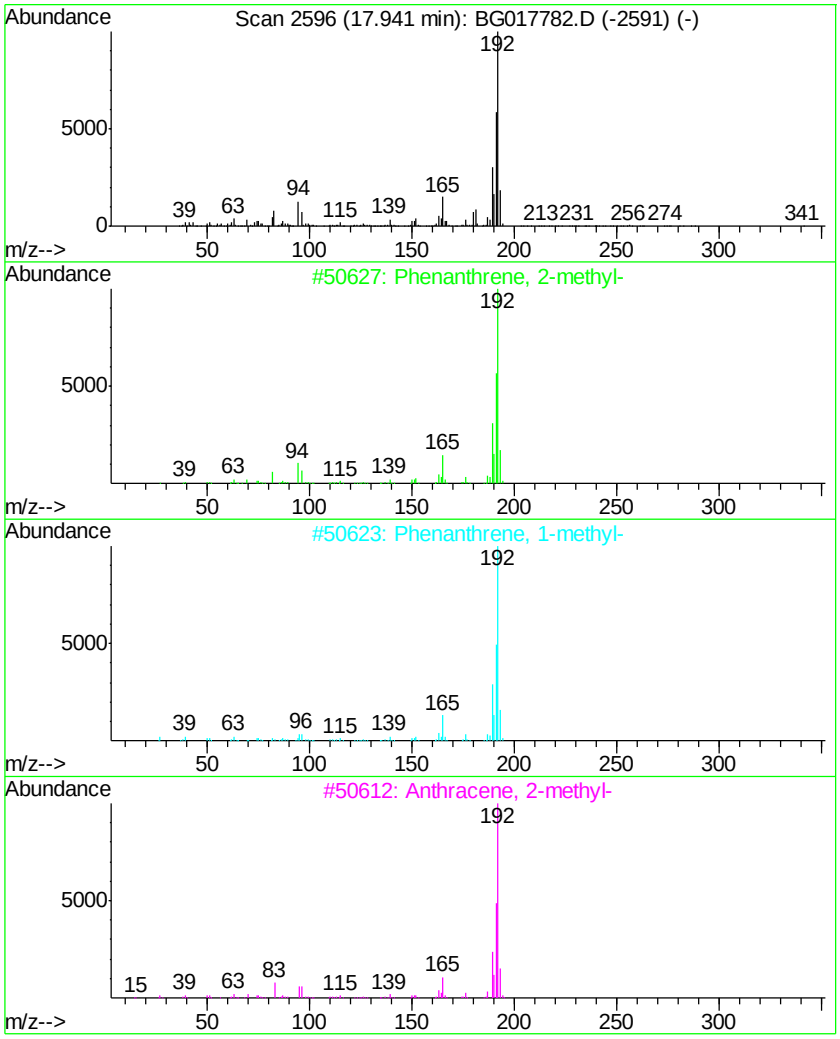
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

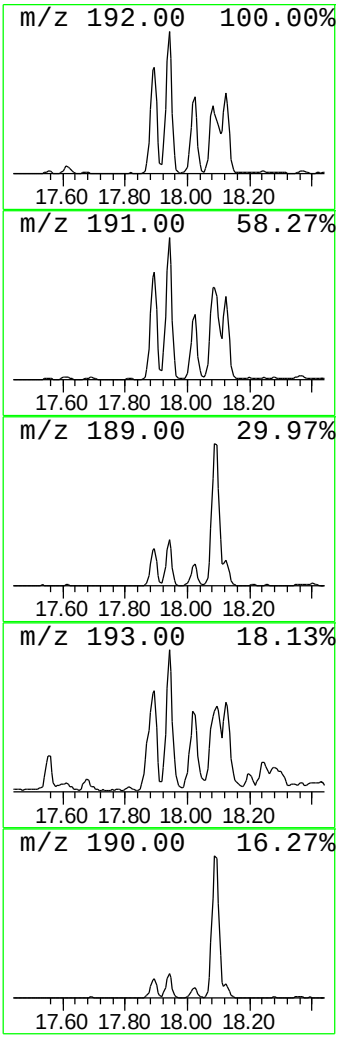
****

Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	24.70 ng/ul	3807610	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

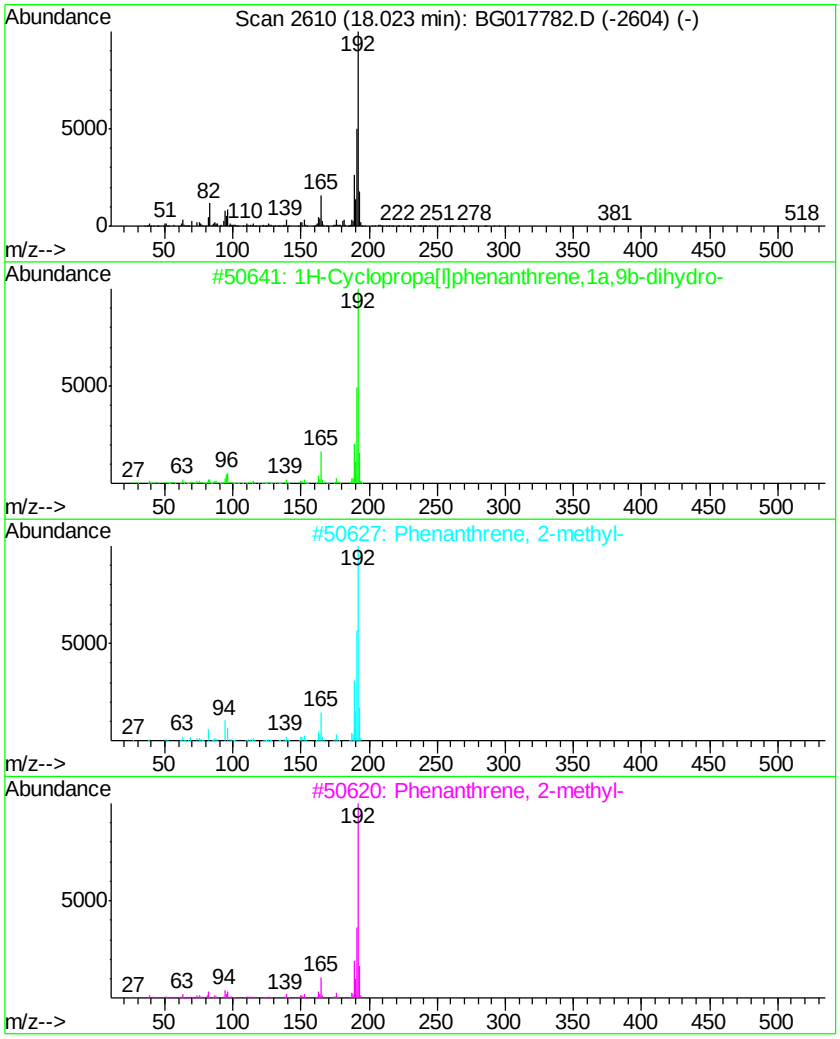
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

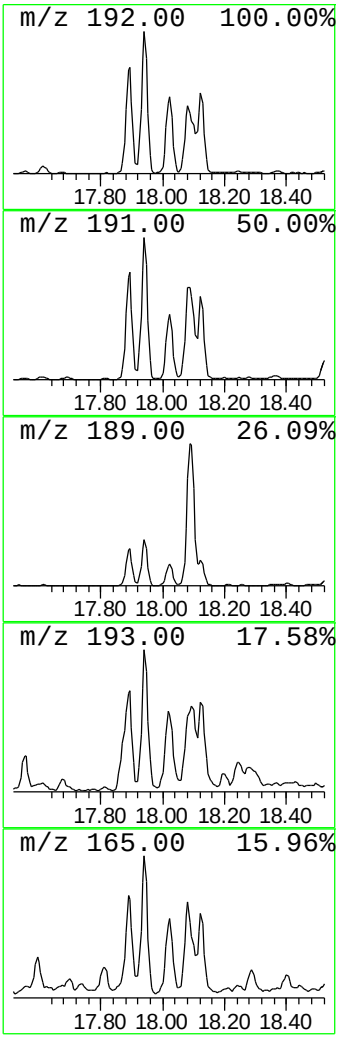
****

Peak Number 21 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	11.95 ng/ul	1841810	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

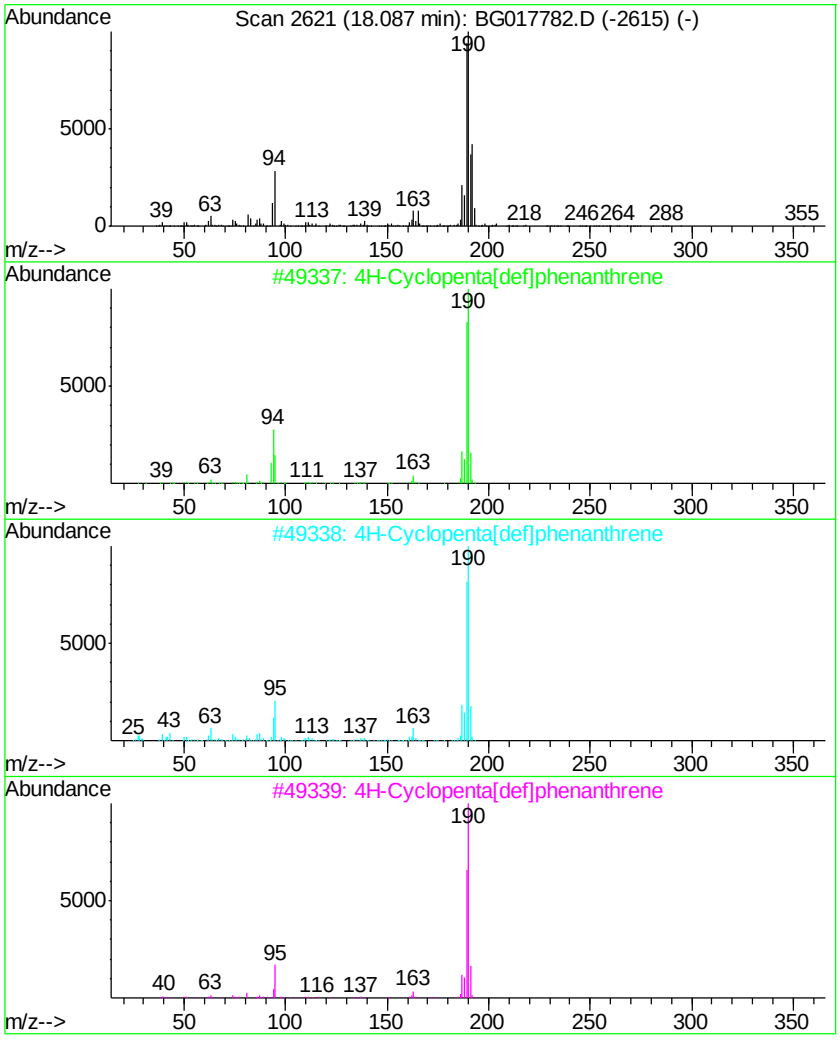
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

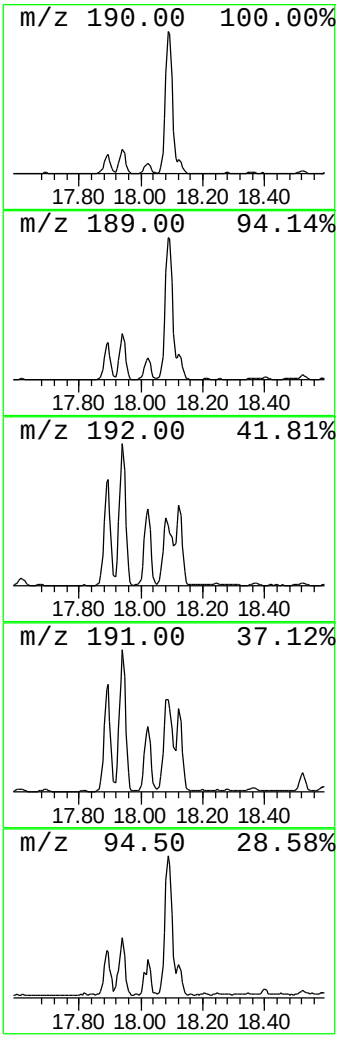
****

Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	35.97 ng/ul	5544380	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

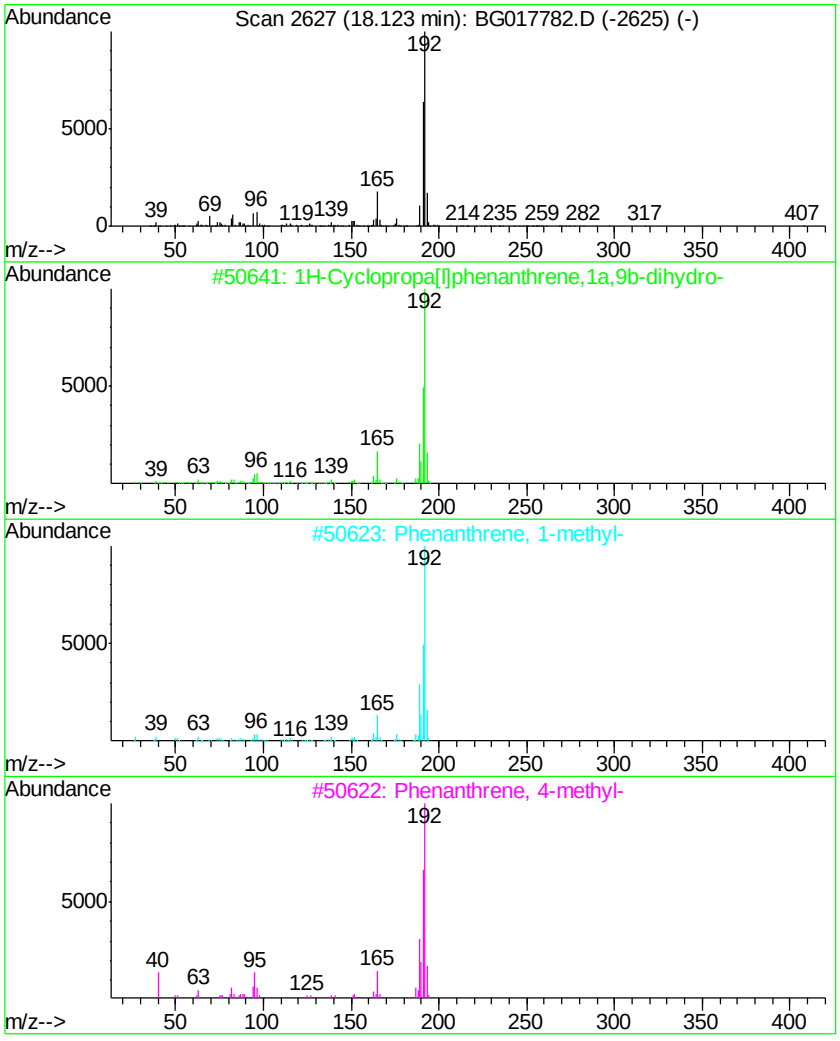
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

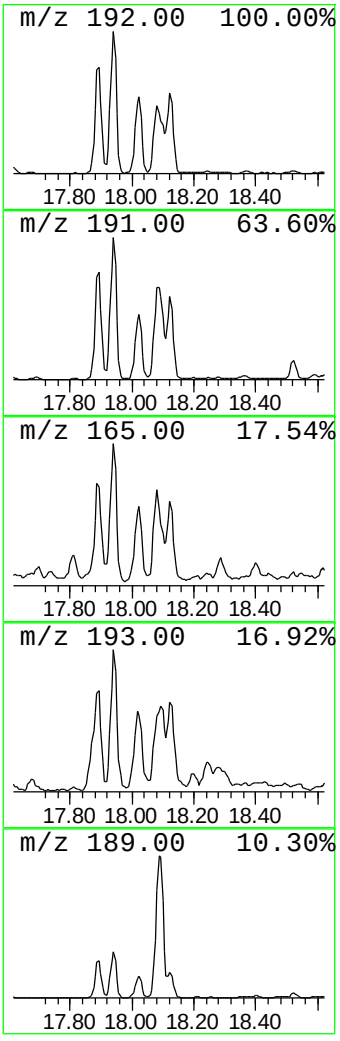
****

Peak Number 23 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	9.71 ng/ul	1497060	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

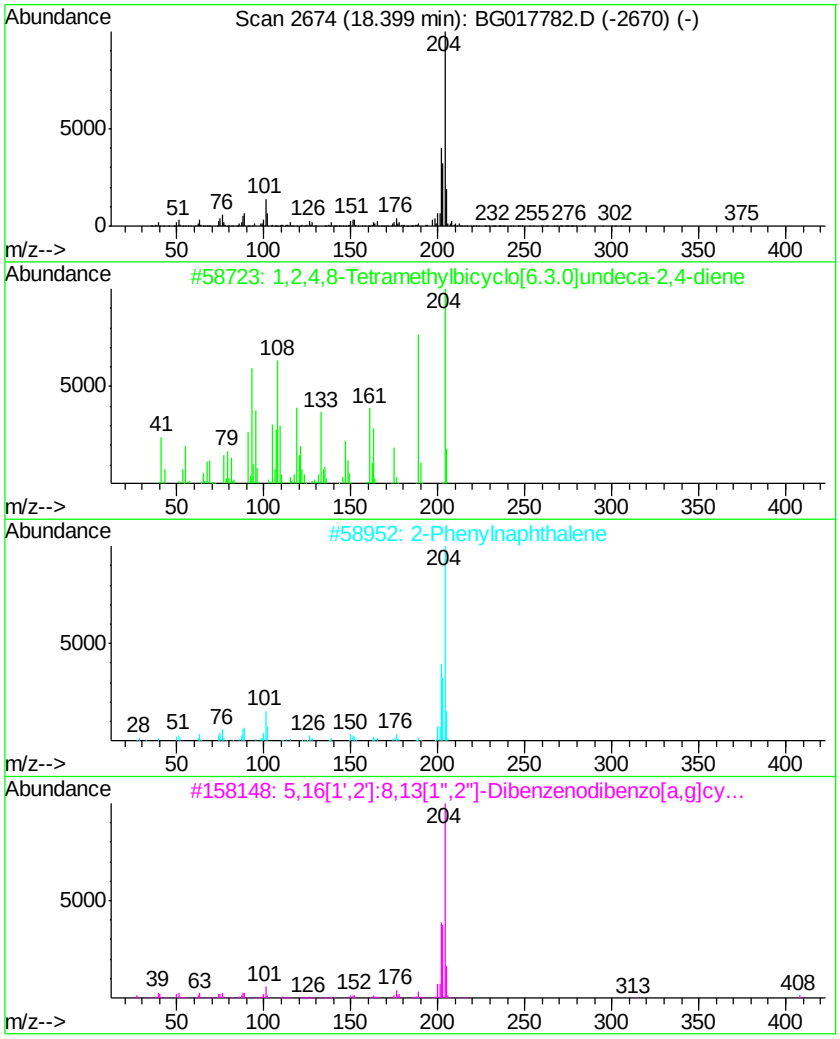
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

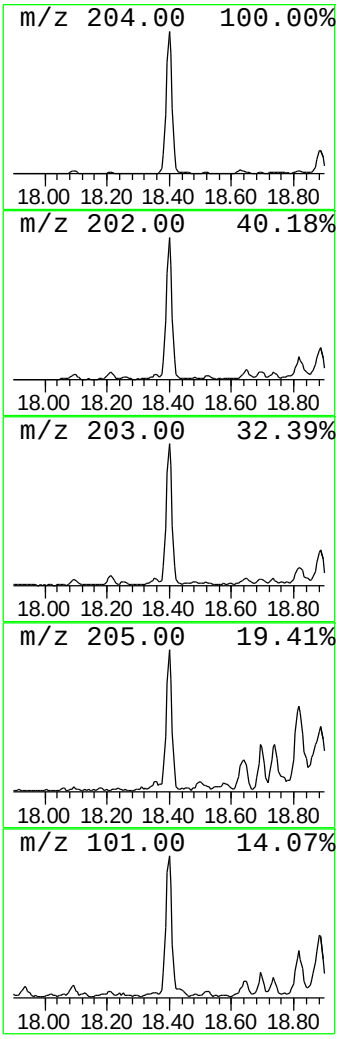
****

Peak Number 24 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	13.76 ng/ul	2121190	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

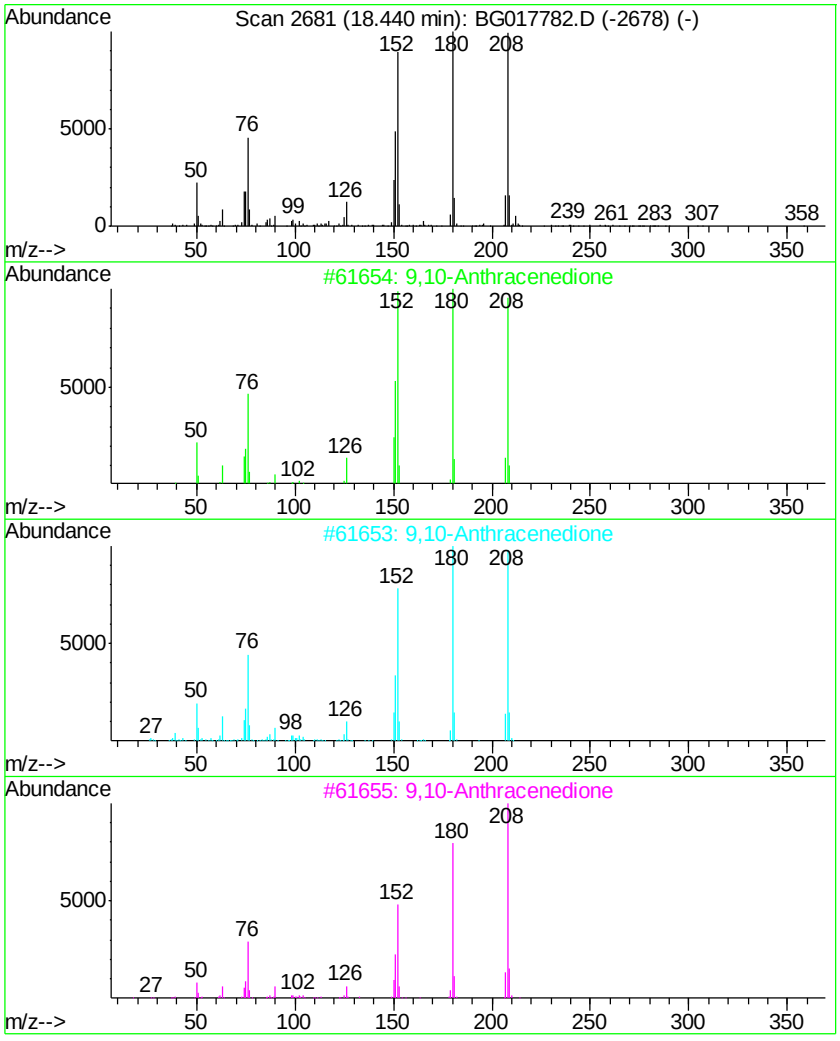
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

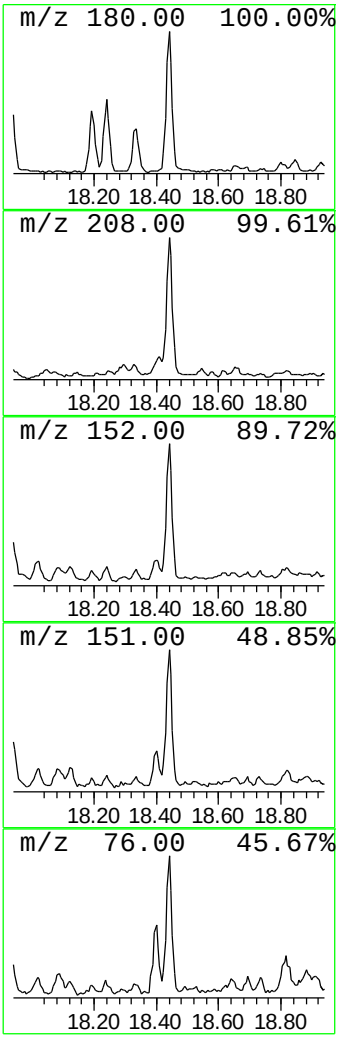
****

Peak Number 25 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	6.33 ng/ul	975287	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

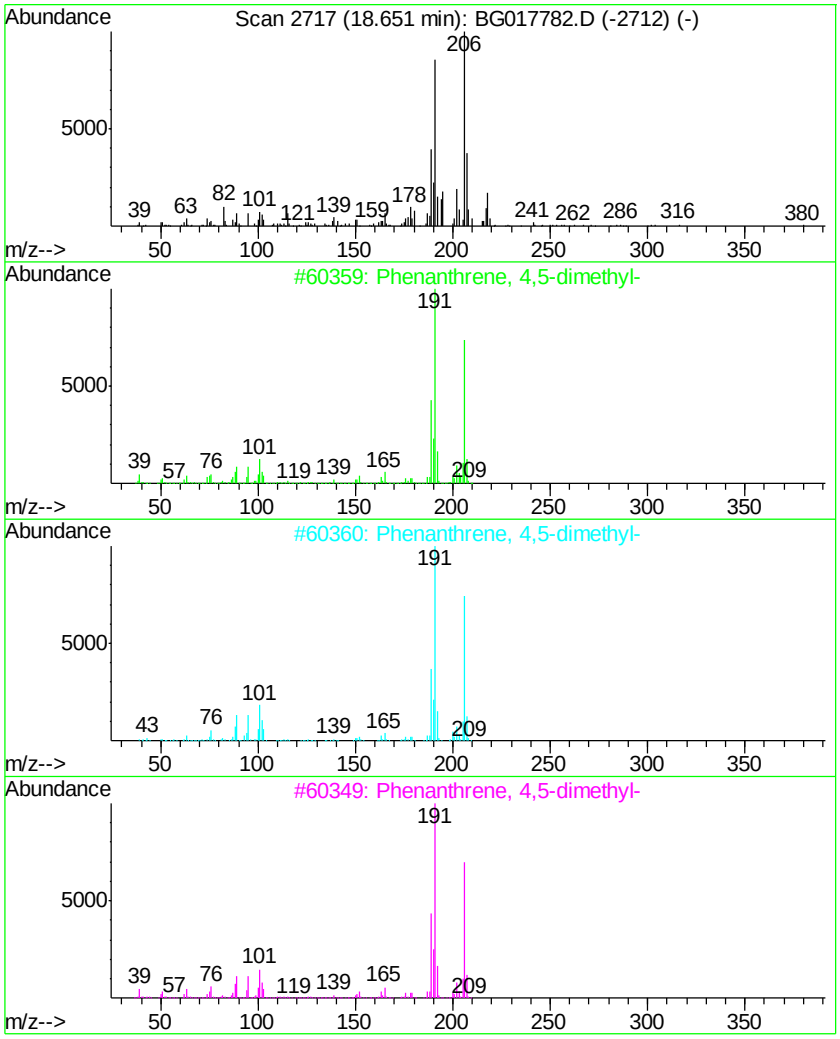
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

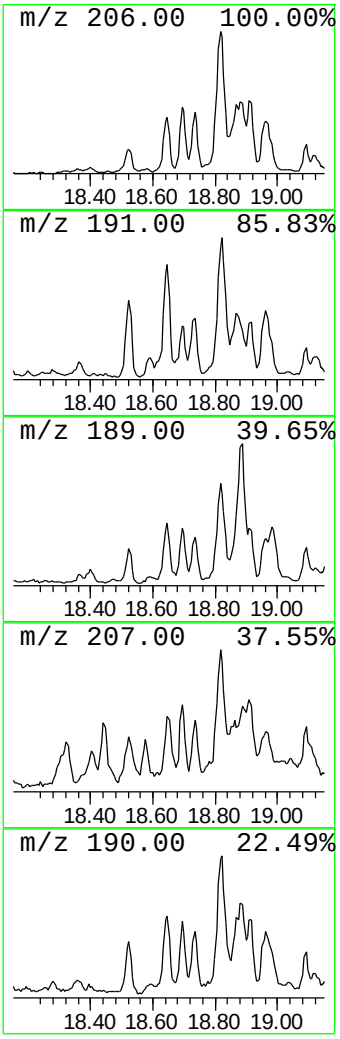
****

Peak Number 26 Phenanthrene, 4,5-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	3.54 ng/ul	545103	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	76
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

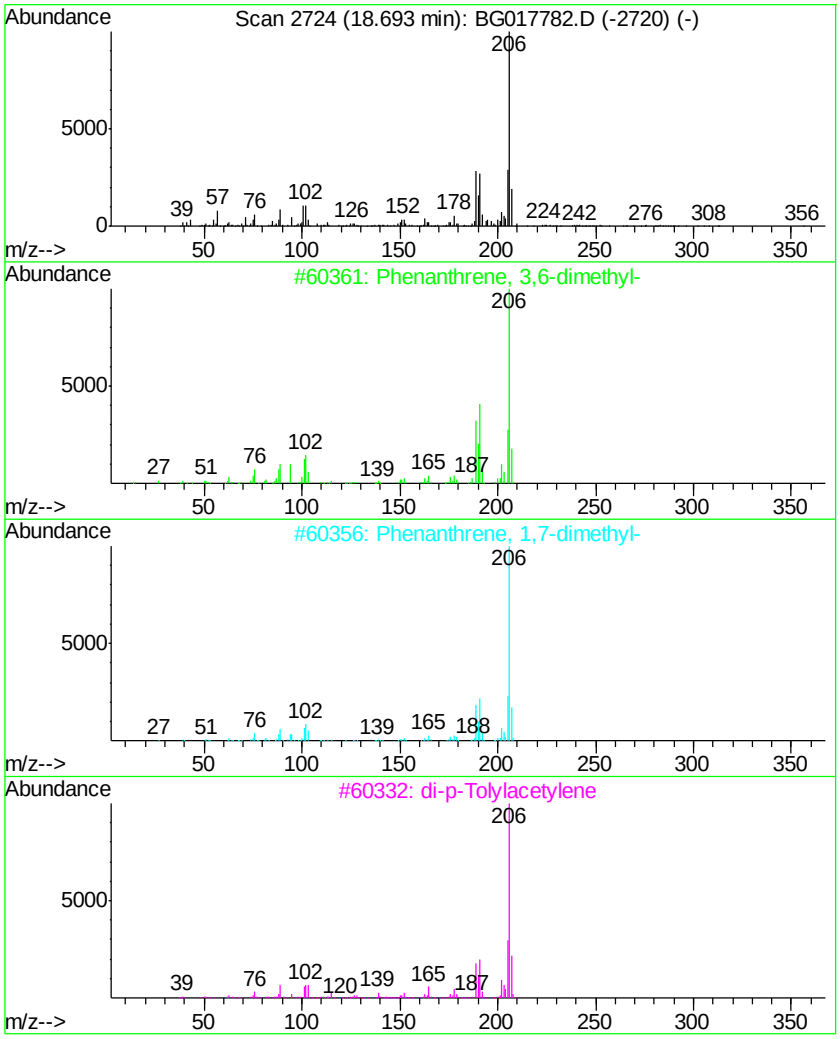
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

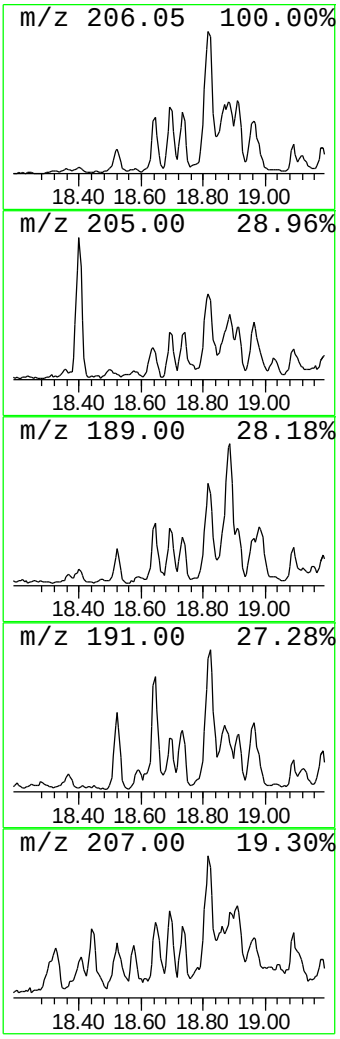
****

Peak Number 27 Phenanthrene, 3,6-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	3.03 ng/ul	467789	Phenanthrene-d10	17.02

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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

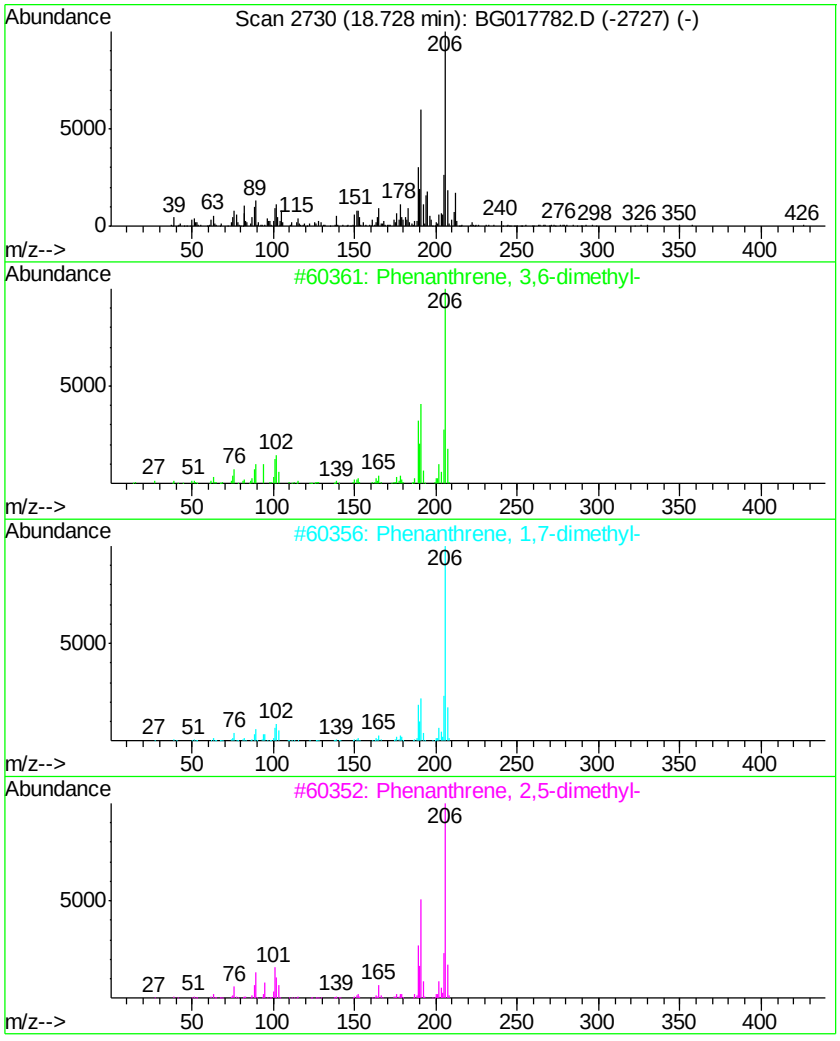
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

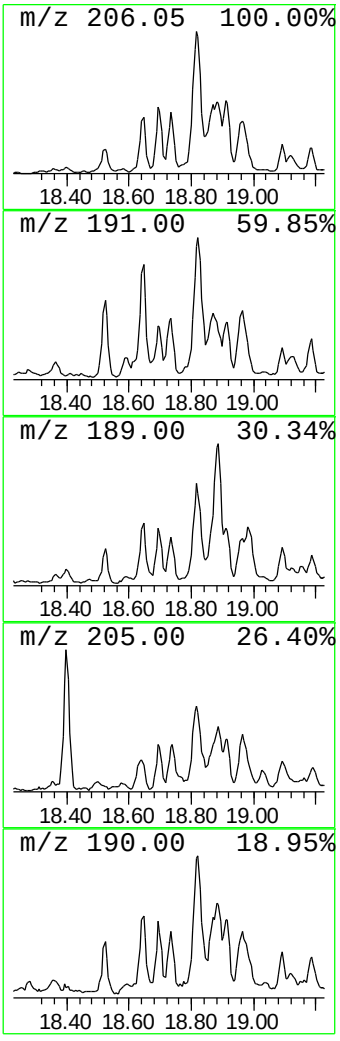
****

Peak Number 28 Phenanthrene, 1,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	3.38 ng/ul	521712	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

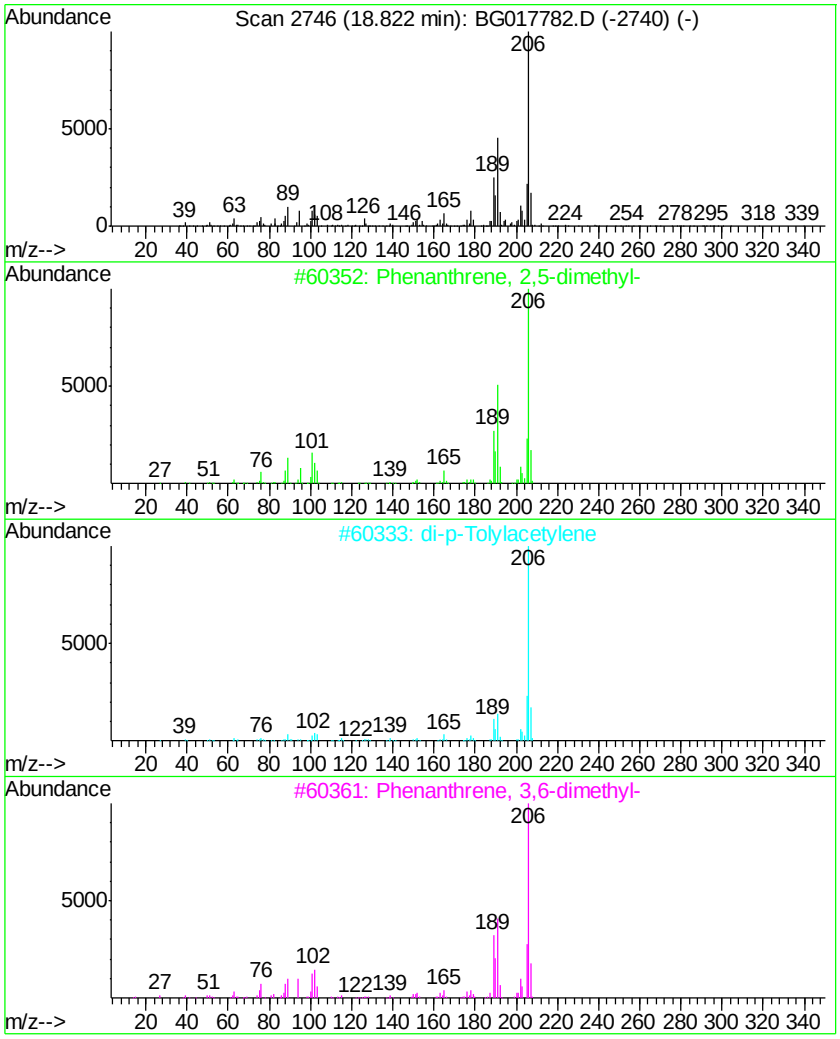
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

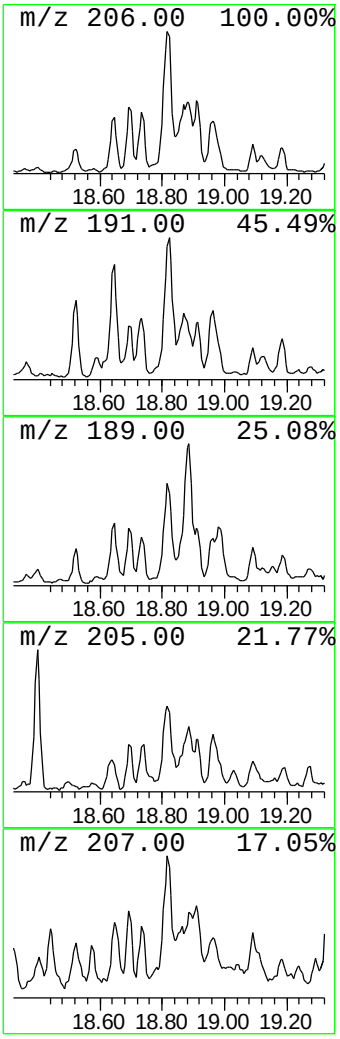
****

Peak Number 29 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	10.03 ng/ul	1545310	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

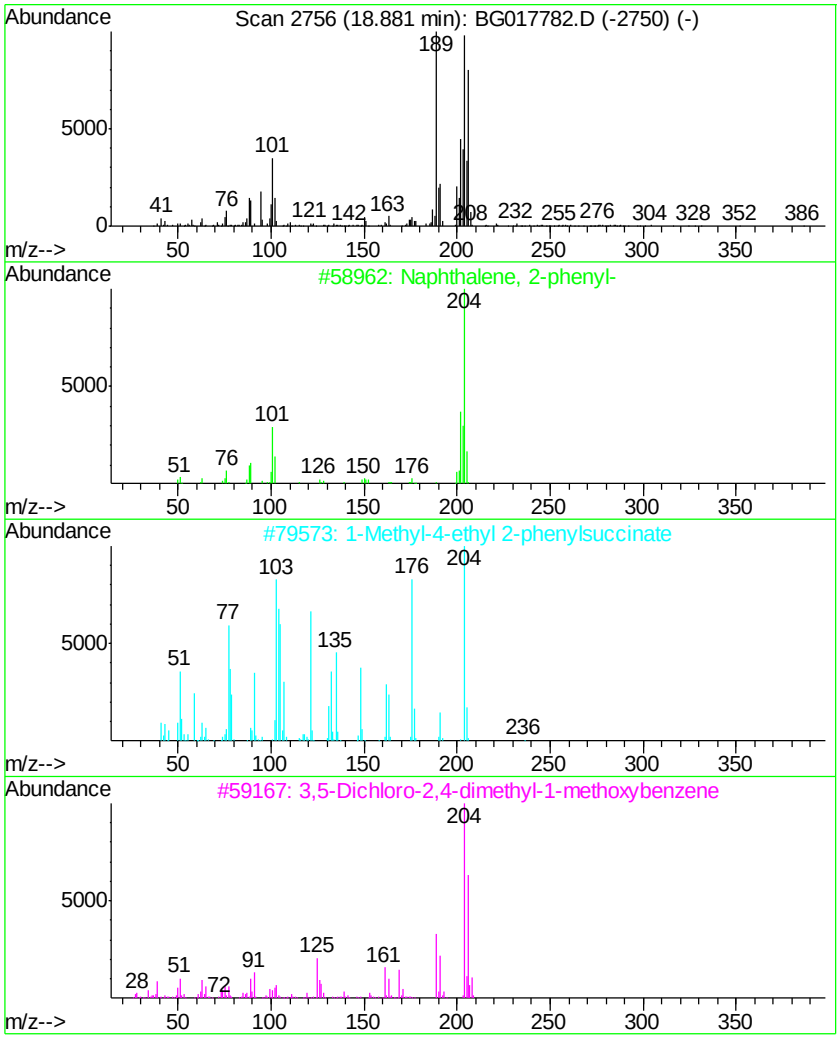
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

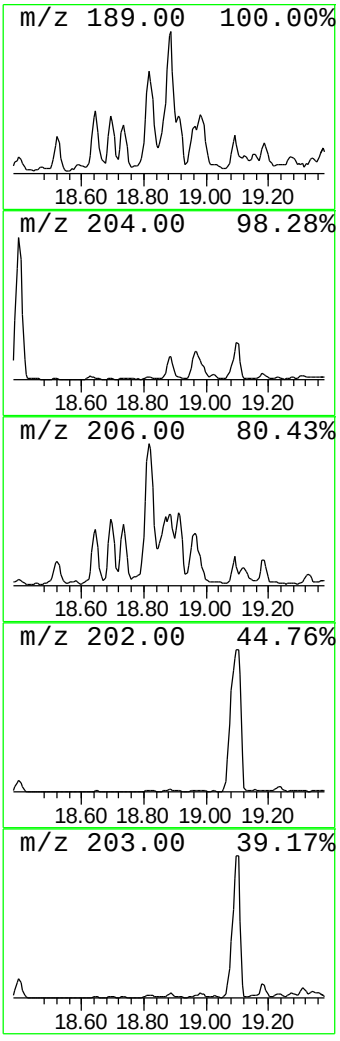
****

Peak Number 30 Naphthalene, 2-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	5.14 ng/ul	792457	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	56
3	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

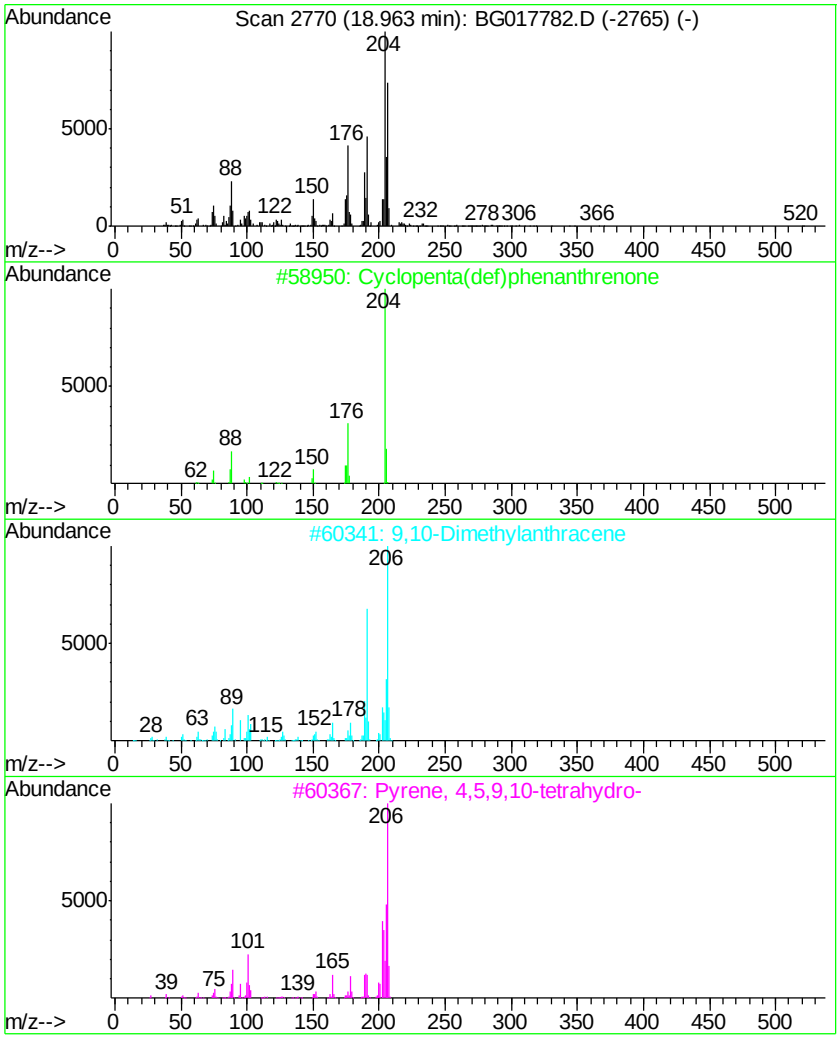
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

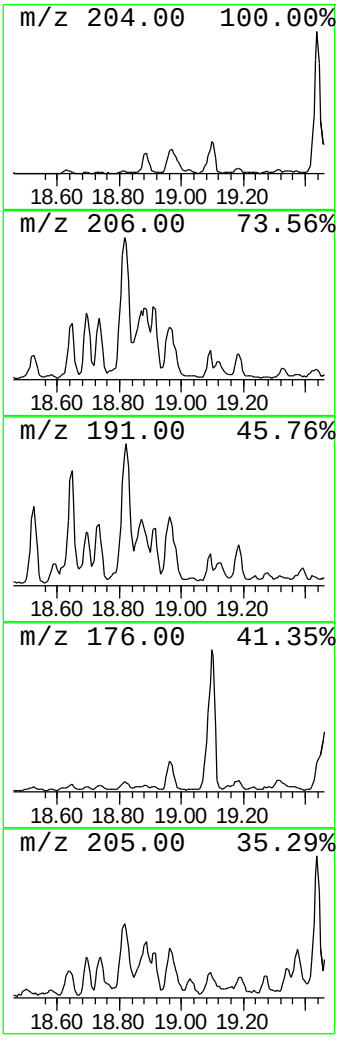
****

Peak Number 31 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	7.97 ng/ul	1228550	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	52
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
5	1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017782.D
Acq On : 6 Jul 2015 23:05
Operator : TP/UM
Sample : G2860-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.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
Butane, 2-methoxy...	2.88	64.5	ng/ul	3650570	1	7.61	1132270	20.0
Naphthalene, 1-me...	12.28	10.2	ng/ul	965669	2	10.38	1900940	20.0
Naphthalene, 2,3-...	13.58	6.1	ng/ul	889409	3	14.26	2931080	20.0
1-Isopropenylnaph...	15.44	3.2	ng/ul	471007	3	14.26	2931080	20.0
Nordiphenamid	15.47	4.6	ng/ul	674207	3	14.26	2931080	20.0
[1,1'-Biphenyl]-4...	15.61	7.6	ng/ul	1107490	3	14.26	2931080	20.0
Dibenzofuran, 4-m...	15.75	10.2	ng/ul	1571830	4	17.02	3082790	20.0
9H-Fluoren-9-ol	15.84	3.3	ng/ul	504737	4	17.02	3082790	20.0
9H-Fluorene, 1-me...	16.32	9.9	ng/ul	1527230	4	17.02	3082790	20.0
9H-Fluorene, 2-me...	16.37	3.6	ng/ul	552594	4	17.02	3082790	20.0
4a,9a-Methano-9H-...	16.47	3.0	ng/ul	464233	4	17.02	3082790	20.0
2,2-Dimethyl-1-ac...	16.55	5.3	ng/ul	817890	4	17.02	3082790	20.0
9H-Fluoren-9-one	16.67	4.7	ng/ul	728271	4	17.02	3082790	20.0
Phenol, 4-(2-phen...	16.75	6.7	ng/ul	1024710	4	17.02	3082790	20.0
Naphtho[2,3-b]thi...	16.83	11.5	ng/ul	1776190	4	17.02	3082790	20.0
Acridine	17.21	4.9	ng/ul	757217	4	17.02	3082790	20.0
(DEL) Alkane: Cyc...	17.54	3.5	ng/ul	531233	4	17.02	3082790	20.0
Dibenzothiophene,...	17.59	3.2	ng/ul	487514	4	17.02	3082790	20.0
Phenanthrene, 2-m...	17.89	17.0	ng/ul	2622070	4	17.02	3082790	20.0
Phenanthrene, 1-m...	17.94	24.7	ng/ul	3807610	4	17.02	3082790	20.0
1H-Cyclopropa[l]p...	18.02	11.9	ng/ul	1841810	4	17.02	3082790	20.0
4H-Cyclopenta[def...	18.09	36.0	ng/ul	5544380	4	17.02	3082790	20.0
Phenanthrene, 4-m...	18.12	9.7	ng/ul	1497060	4	17.02	3082790	20.0
1,2,4,8-Tetrameth...	18.40	13.8	ng/ul	2121190	4	17.02	3082790	20.0
9,10-Anthracenedione	18.44	6.3	ng/ul	975287	4	17.02	3082790	20.0
Phenanthrene, 4,5...	18.65	3.5	ng/ul	545103	4	17.02	3082790	20.0
Phenanthrene, 3,6...	18.69	3.0	ng/ul	467789	4	17.02	3082790	20.0
Phenanthrene, 1,7...	18.73	3.4	ng/ul	521712	4	17.02	3082790	20.0
Phenanthrene, 2,5...	18.82	10.0	ng/ul	1545310	4	17.02	3082790	20.0
Naphthalene, 2-ph...	18.88	5.1	ng/ul	792457	4	17.02	3082790	20.0
Cyclopenta(def)ph...	18.96	8.0	ng/ul	1228550	4	17.02	3082790	20.0