LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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	3.115	42	47	53	rBV3	6717	13535	1.60%	0.227%
2	8.091	888	894	905	rBB	61605	102951	12.18%	1.727%
3	8.632	981	986	993	rBB2	5914	10065	1.19%	0.169%
4	9.266	1089	1094	1098	rBB	1853	3141	0.37%	0.053%
5	10.911	1366	1374	1377	rBV	86506	156819	18.55%	2.630%
6	10.958	1377	1382	1391	rVV	180596	326520	38.63%	5.476%
7	11.076	1398	1402	1409	rVB	3494	6747	0.80%	0.113%
8	12.557	1648	1654	1665	rBB	96363	154937	18.33%	2.599%
9	12.774	1681	1691	1698	rBV	43653	71708	8.48%	1.203%
10	13.555	1818	1824	1832	rBB	32587	48840	5.78%	0.819%
11	13.755	1853	1858	1865	rBV	9810	16288	1.93%	0.273%
12	13.890	1873	1881	1888	rBB3	12877	33314	3.94%	0.559%
13	14.043	1899	1907	1912	rBV2	19022	31702	3.75%	0.532%
14	14.096	1912	1916	1925	rVV3	13013	26667	3.15%	0.447%
15	14.278	1943	1947	1951	rBV	7618	10853	1.28%	0.182%
16	14.413	1965	1970	1972	rBV2	5467	7594	0.90%	0.127%
17	14.443	1972	1975	1982	rVB2	8901	14775	1.75%	0.248%
18	14.725	2012	2023	2028	rBV2	143024	246144	29.12%	4.128%
19	14.789	2028	2034	2041	rVV	183098	293373	34.70%	4.920%
20	14.848	2041	2044	2049	rVB3	6481	9280	1.10%	0.156%
21	14.924	2052	2057	2061	rBV2	2099	4216	0.50%	0.071%
22	15.030	2069	2075	2079	rBV2	5248	8253	0.98%	0.138%
23	15.118	2083	2090	2098	rVV	125396	197452	23.36%	3.312%
24	15.189	2098	2102	2111	rVB2	3741	5736	0.68%	0.096%
25	15.330	2123	2126	2130	rVB3	2320	3815	0.45%	0.064%
26	15.383	2131	2135	2141	rBB2	2728	3982	0.47%	0.067%
27	15.712	2187	2191	2195	rVV	9205	12679	1.50%	0.213%
28	15.765	2195	2200	2210	rVV	167963	258341	30.56%	4.333%
29	15.859	2211	2216	2218	rVV3	6225	8361	0.99%	0.140%
30	15.888	2218	2221	2224	rVV2	9946	14920	1.76%	0.250%
31	15.929	2224	2228	2233	rVV3	19316	28785	3.41%	0.483%
32	15.982	2233	2237	2239	rVV3	3897	5923	0.70%	0.099%
33	16.017	2239	2243	2246	rVV2	8996	13631	1.61%	0.229%
34	16.058	2246	2250	2258	rVB	20101	31201	3.69%	0.523%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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	16.205	2265	2275	2284	rBV	23583	47701	5.64%	0.800%
36	16.299	2284	2291	2296	rVB2	3026	5690	0.67%	0.095%
37	16.558	2331	2335	2341	rVB	9328	14181	1.68%	0.238%
38	16.769	2360	2371	2375	rVV3	14304	30514	3.61%	0.512%
39	16.816	2375	2379	2385	rVV3	5501	9657	1.14%	0.162%
40	16.916	2391	2396	2402	rVV4	5848	9555	1.13%	0.160%
41	16.993	2402	2409	2412	rVV4	5060	9660	1.14%	0.162%
42	17.034	2412	2416	2419	rVV3	5368	9540	1.13%	0.160%
43	17.057	2419	2420	2425	rVV3	2357	4050	0.48%	0.068%
44	17.116	2427	2430	2436	rVV3	3205	5180	0.61%	0.087%
45	17.192	2438	2443	2445	rVV2	6378	9121	1.08%	0.153%
46	17.216	2445	2447	2452	rVV3	4237	6590	0.78%	0.111%
47	17.286	2454	2459	2466	rVB	34976	51872	6.14%	0.870%
48	17.468	2483	2490	2493	rBV	188003	290796	34.40%	4.877%
49	17.510	2493	2497	2504	rVV	551817	845349	100.00%	14.178%
50	17.562	2504	2506	2509	rVV3	17524	25525	3.02%	0.428%
51	17.598	2509	2512	2517	rVV	33621	49541	5.86%	0.831%
52	17.645	2517	2520	2521	rVV2	3058	3592	0.42%	0.060%
53	17.662	2521	2523	2528	rVV2	2977	3830	0.45%	0.064%
54	17.868	2552	2558	2568	rVV	20840	36291	4.29%	0.609%
55	17.985	2574	2578	2585	rVV2	7076	11240	1.33%	0.189%
56	18.050	2585	2589	2594	rVV3	3005	5574	0.66%	0.093%
57	18.185	2609	2612	2619	rVB3	2963	5151	0.61%	0.086%
58	18.344	2628	2639	2643	rBV	30730	47734	5.65%	0.801%
59	18.391	2643	2647	2652	rVB	41577	59041	6.98%	0.990%
60	18.467	2652	2660	2665	rBV2	12003	17594	2.08%	0.295%
61	18.538	2665	2672	2676	rBV2	59854	102002	12.07%	1.711%
62	18.779	2709	2713	2717	rVB3	2040	3415	0.40%	0.057%
63	18.832	2717	2722	2727	rBV	26334	38145	4.51%	0.640%
64	19.078	2759	2764	2769	rBV3	3515	5581	0.66%	0.094%
65	19.125	2769	2772	2776	rVV2	3898	4370	0.52%	0.073%
66	19.161	2776	2778	2782	rVB2	2990	3572	0.42%	0.060%
67	19.249	2788	2793	2799	rBV2	6886	12624	1.49%	0.212%
68	19.313	2799	2804	2812	rVB6	4963	12049	1.43%	0.202%
69	19.384	2812	2816	2819	rBV3	2258	4178	0.49%	0.070%
70	19.513	2832	2838	2845	rBV	330311	472966	55.95%	7.933%
71	19.607	2852	2854	2858	rVB3	4631	5012	0.59%	0.084%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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	19.642	2858	2860	2866	rVB3	1821	3209	0.38%	0.054%
73	19.760	2874	2880	2884	rBV2	7598	11314	1.34%	0.190%
74	19.848	2888	2895	2896	rBV2	60559	90697	10.73%	1.521%
75	19.877	2896	2900	2908	rVV	200981	300375	35.53%	5.038%
76	19.942	2908	2911	2919	rVB4	9834	16889	2.00%	0.283%
77	20.054	2924	2930	2935	rVB	10657	15933	1.88%	0.267%
78	20.189	2948	2953	2954	rBV3	9308	11435	1.35%	0.192%
79	20.253	2960	2964	2970	rVB	4496	6617	0.78%	0.111%
80	20.365	2970	2983	2988	rBV	34269	59194	7.00%	0.993%
81	20.465	2995	3000	3004	rBV	35508	51837	6.13%	0.869%
82	20.524	3004	3010	3013	rVV4	10252	21113	2.50%	0.354%
83	20.559	3013	3016	3019	rVV2	6472	9290	1.10%	0.156%
84	20.600	3019	3023	3028	rVB5	3564	6425	0.76%	0.108%
85	20.665	3028	3034	3036	rBV3	4265	6550	0.77%	0.110%
86	20.706	3038	3041	3045	rVV3	4972	7530	0.89%	0.126%
87	20.894	3068	3073	3076	rBV4	4684	6550	0.77%	0.110%
88	20.958	3081	3084	3087	rBV4	2693	3345	0.40%	0.056%
89	21.000	3087	3091	3095	rVV4	2530	4089	0.48%	0.069%
90	21.082	3102	3105	3111	rBV4	3846	6880	0.81%	0.115%
91	21.317	3141	3145	3149	rBV3	5758	8342	0.99%	0.140%
92	21.364	3149	3153	3156	rVV2	5546	8528	1.01%	0.143%
93	21.417	3157	3162	3166	rVV2	5568	11436	1.35%	0.192%
94	21.740	3208	3217	3223	rBV2	228192	462238	54.68%	7.753%
95	21.787	3223	3225	3231	rVB	37407	52868	6.25%	0.887%
96	21.940	3248	3251	3256	rVB5	6579	11151	1.32%	0.187%
97	22.157	3283	3288	3291	rBV4	2864	5562	0.66%	0.093%
98	22.486	3340	3344	3349	rVB5	2959	4241	0.50%	0.071%
99	23.978	3592	3598	3605	rBV3	7378	21190	2.51%	0.355%
100	25.018	3764	3775	3795	rBV2	72210	276404	32.70%	4.636%

Sum of corrected areas: 5962263

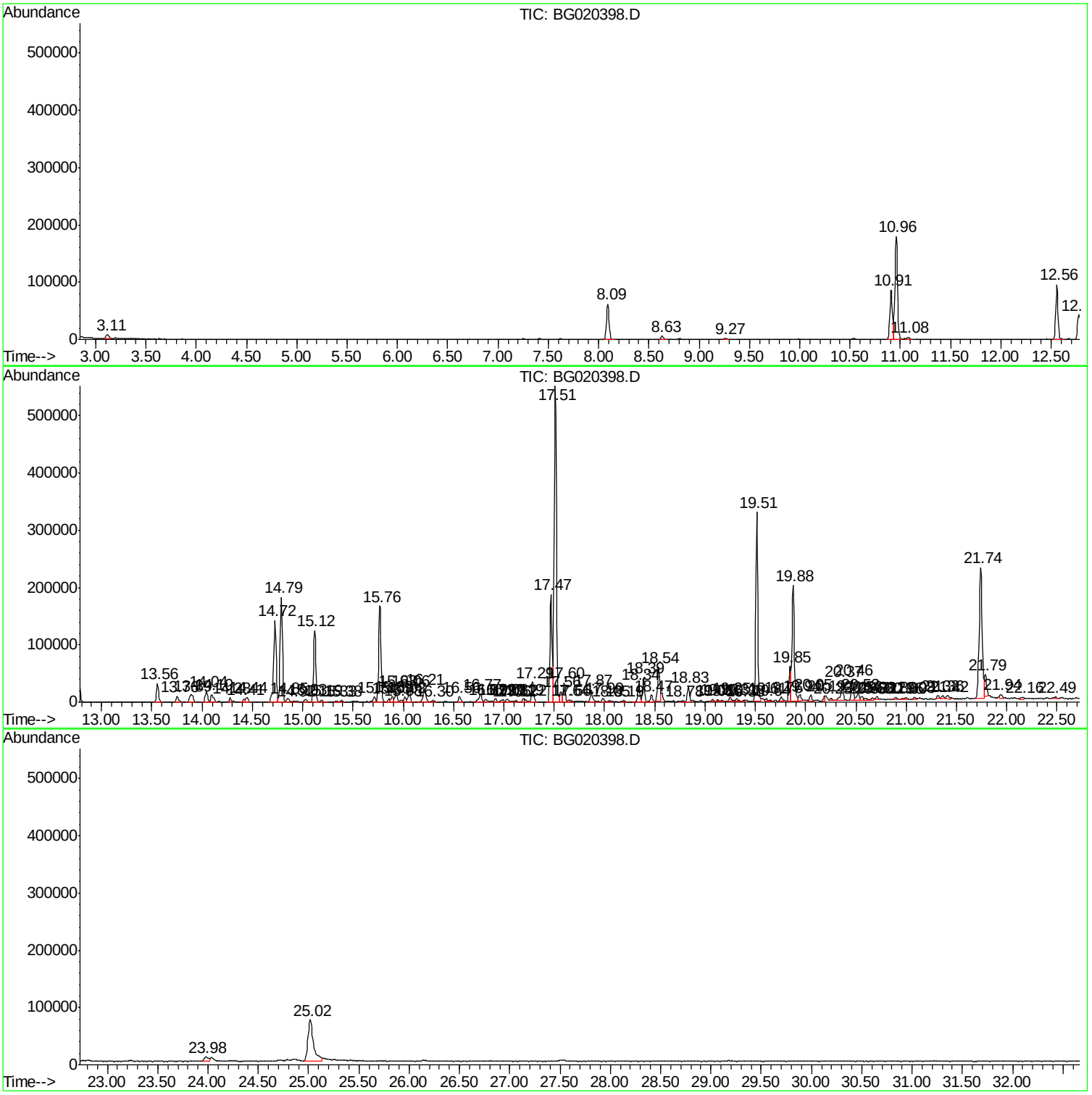
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

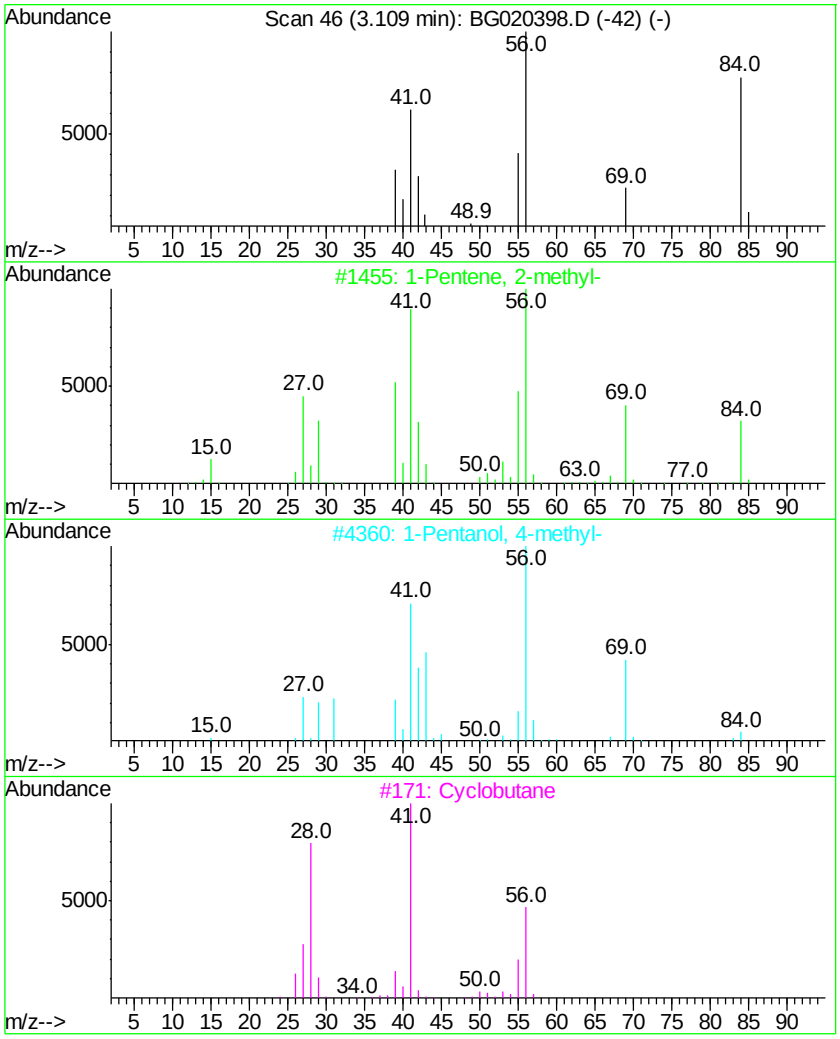
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

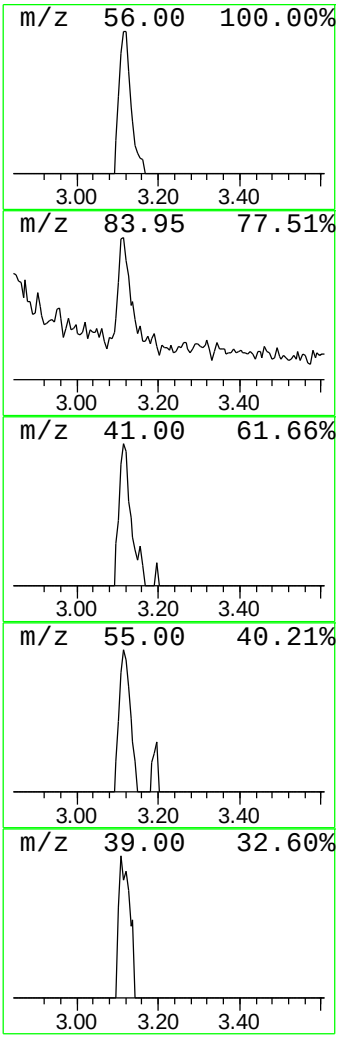
****

Peak Number 1 (DEL) Alkane: Cyclic3.11 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	2.63 ng/ul	13535	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
2	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	9
3	Cyclobutane	56	C4H8	000287-23-0	7
4	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	7
5	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

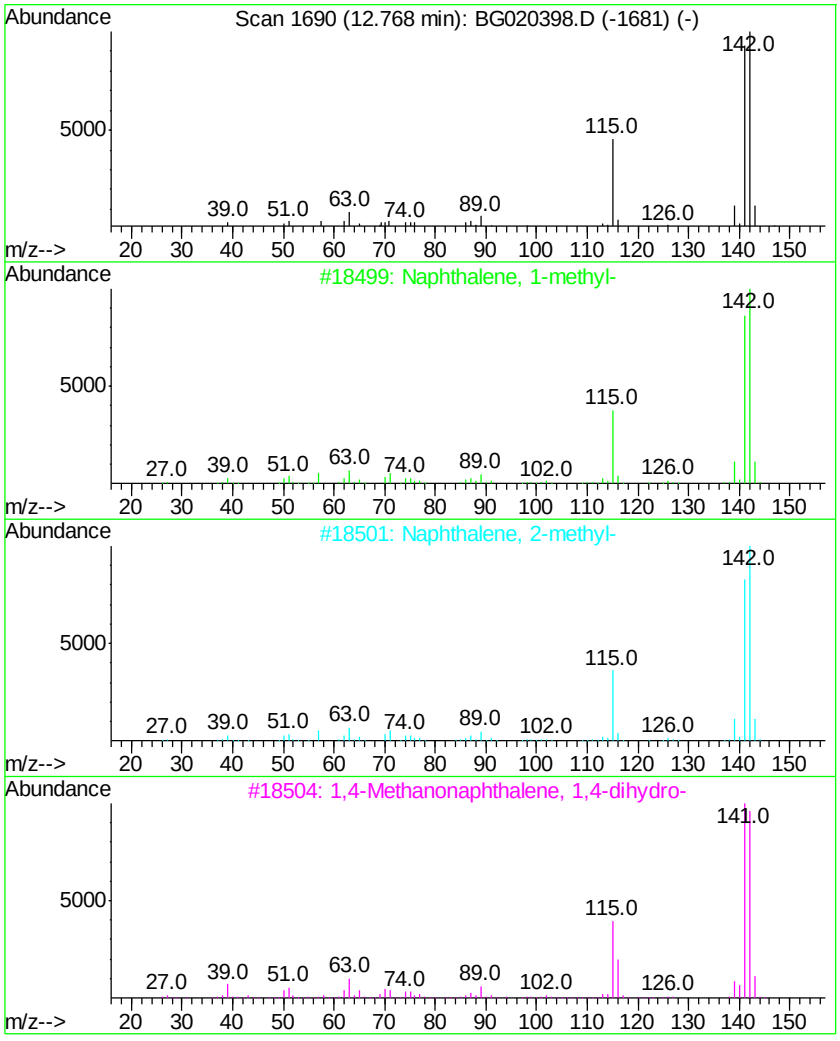
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

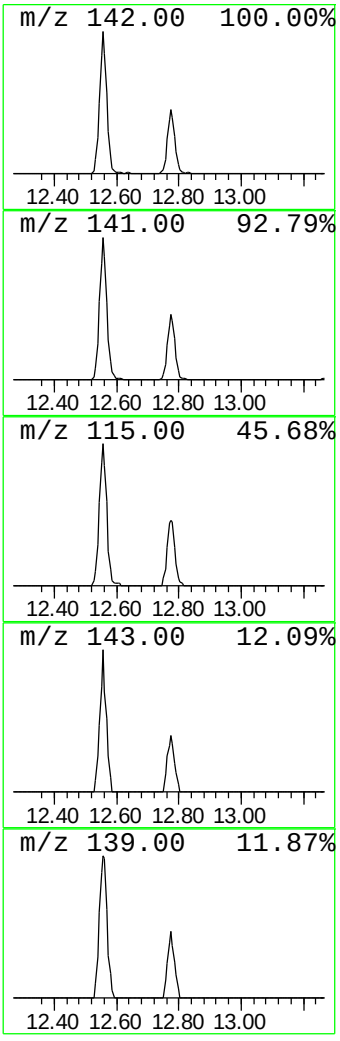
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	9.15 ng/ul	71708	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

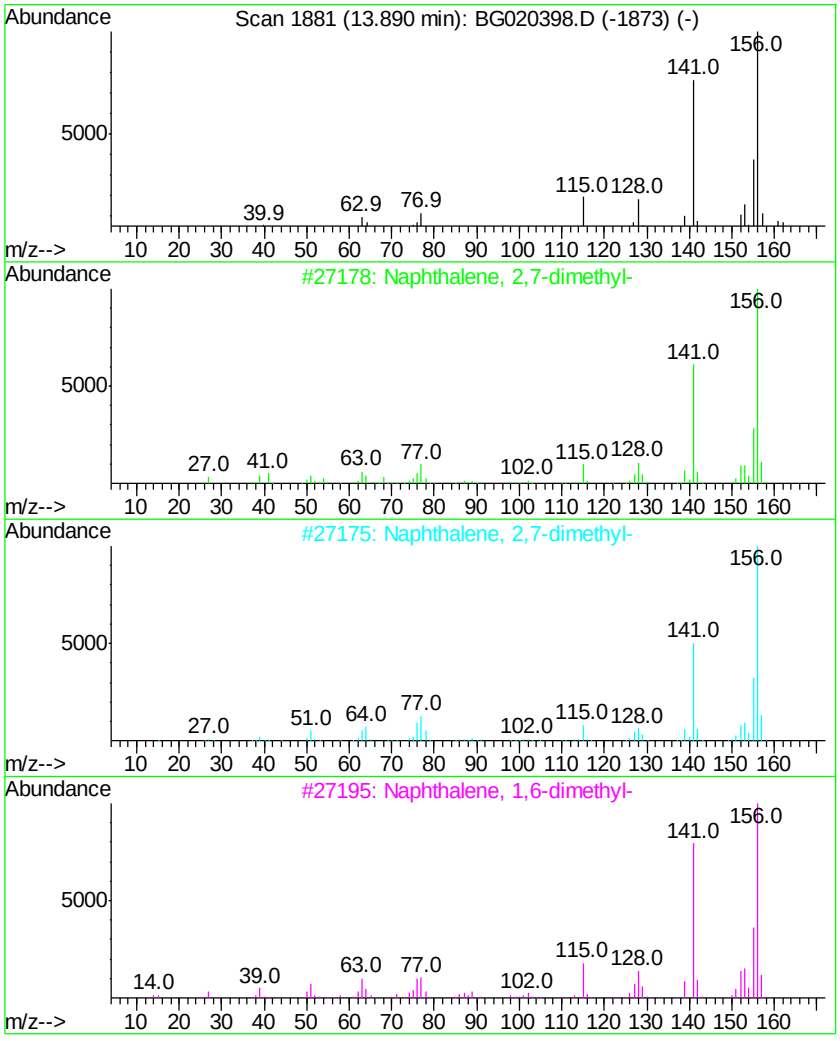
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

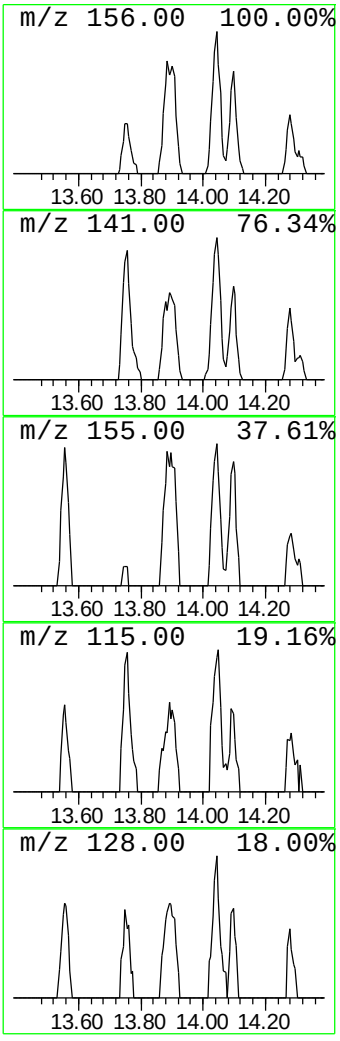
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.71 ng/ul	33314	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

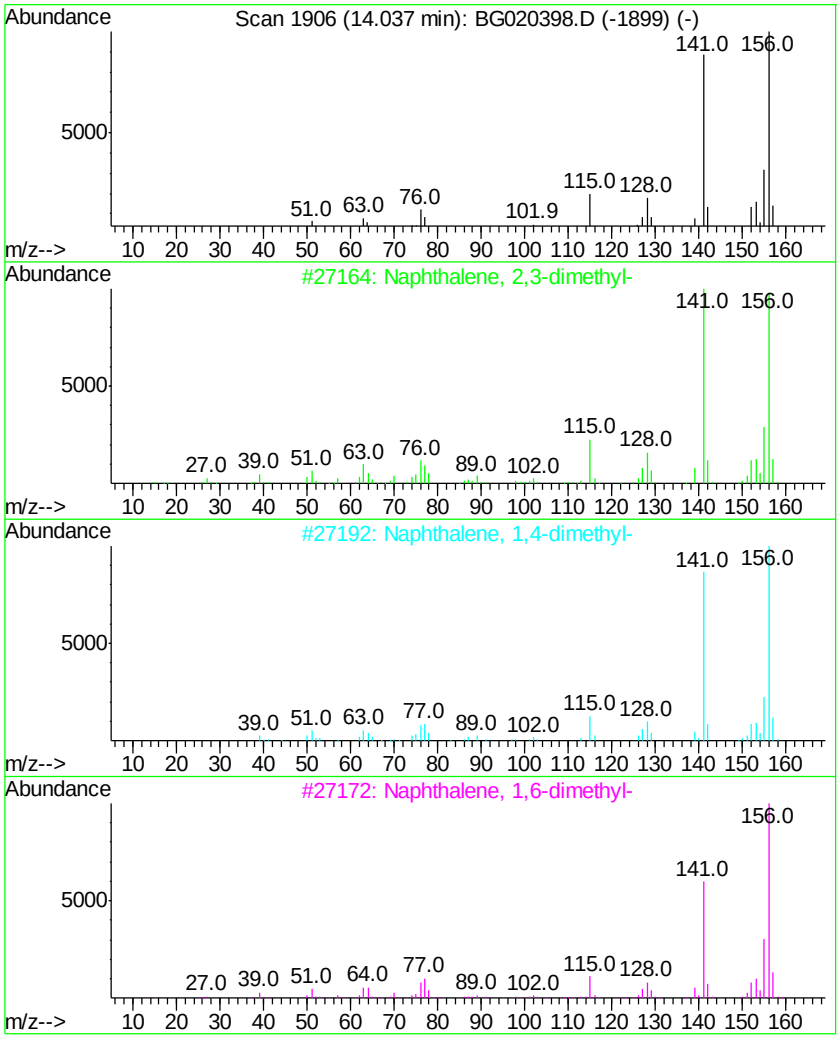
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

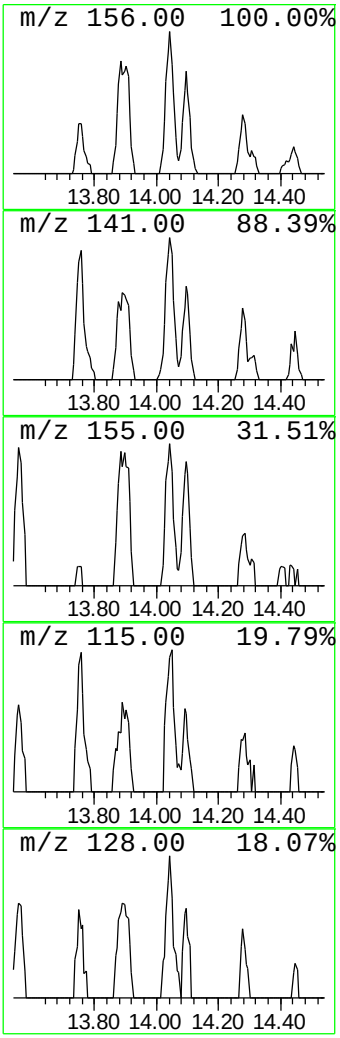
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	2.58 ng/ul	31702	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

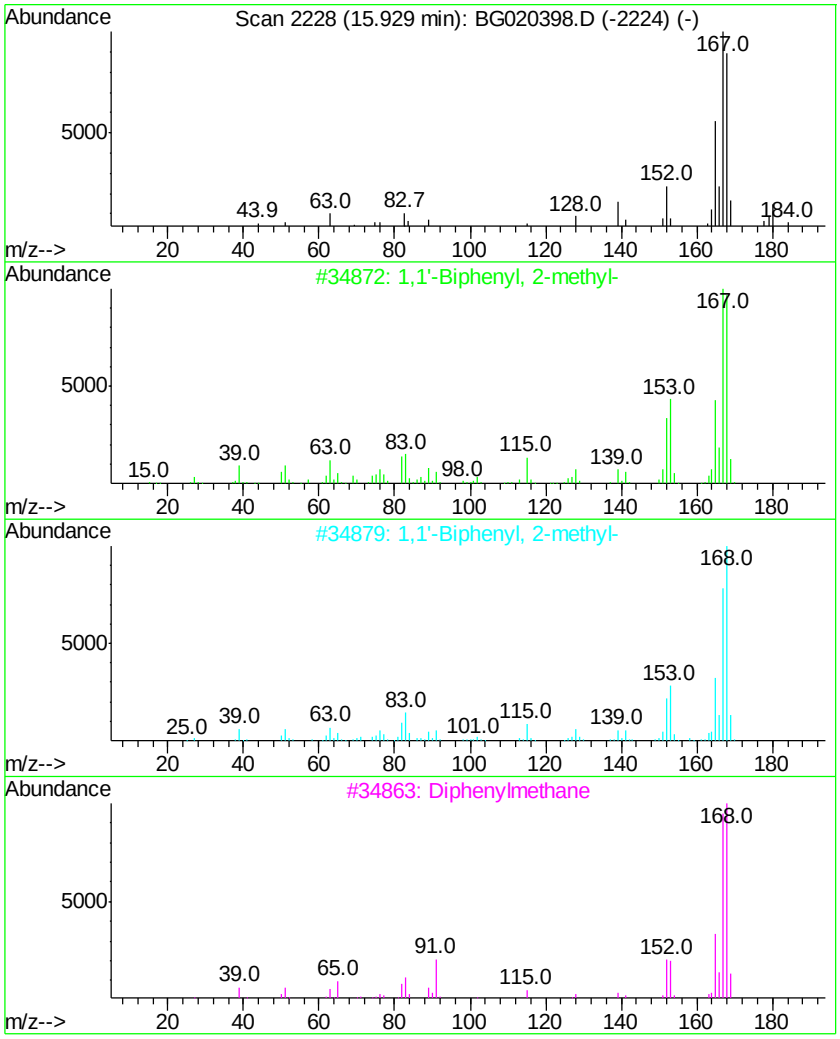
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

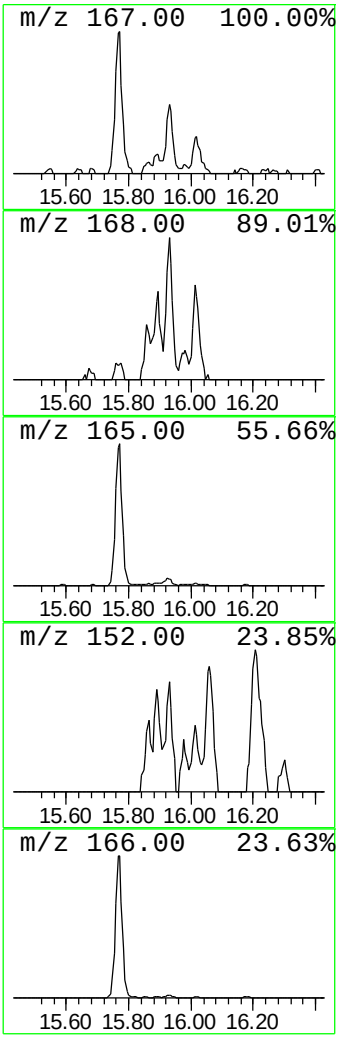
****

Peak Number 5 1,1'-Biphenyl, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.34 ng/ul	28785	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
3	Diphenylmethane	168	C13H12	000101-81-5	58
4	Diphenylmethane	168	C13H12	000101-81-5	58
5	Diphenylmethane	168	C13H12	000101-81-5	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

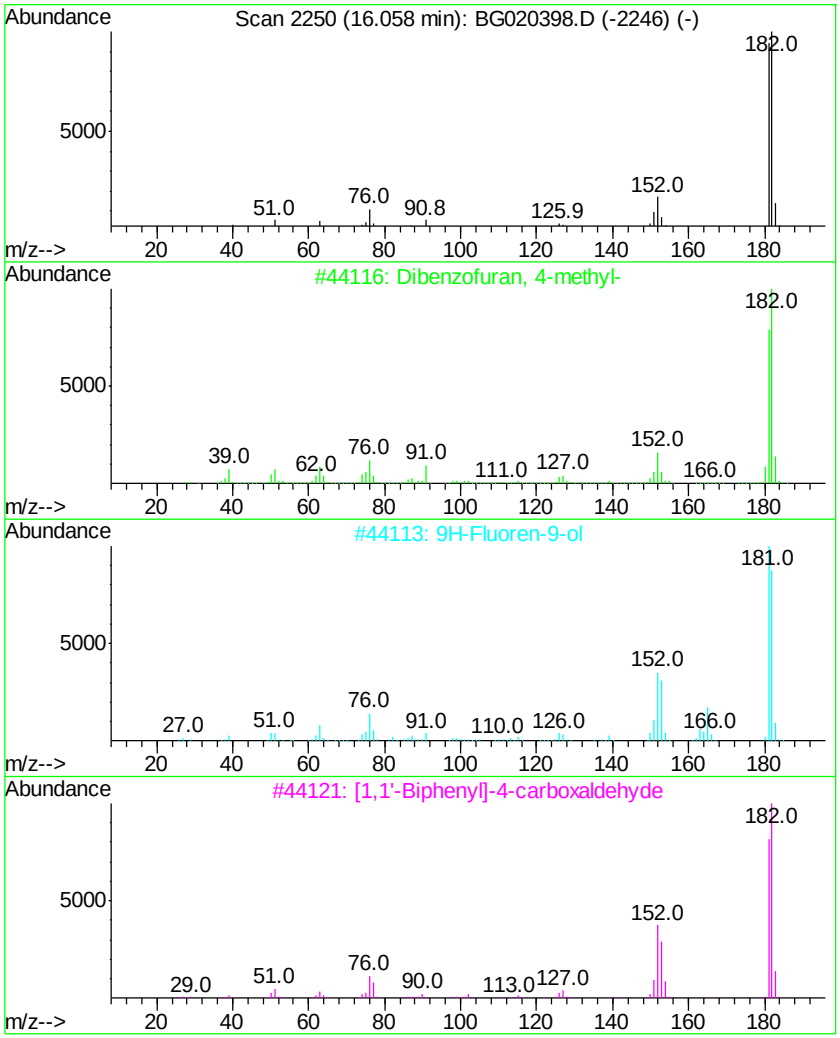
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

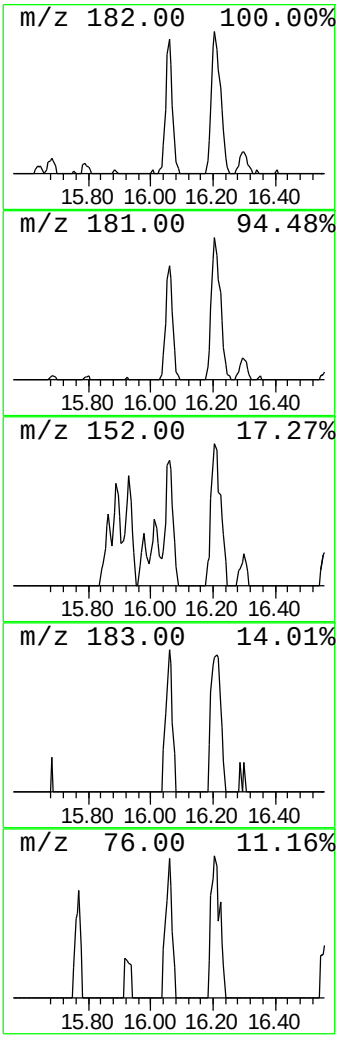
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.54 ng/ul	31201	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

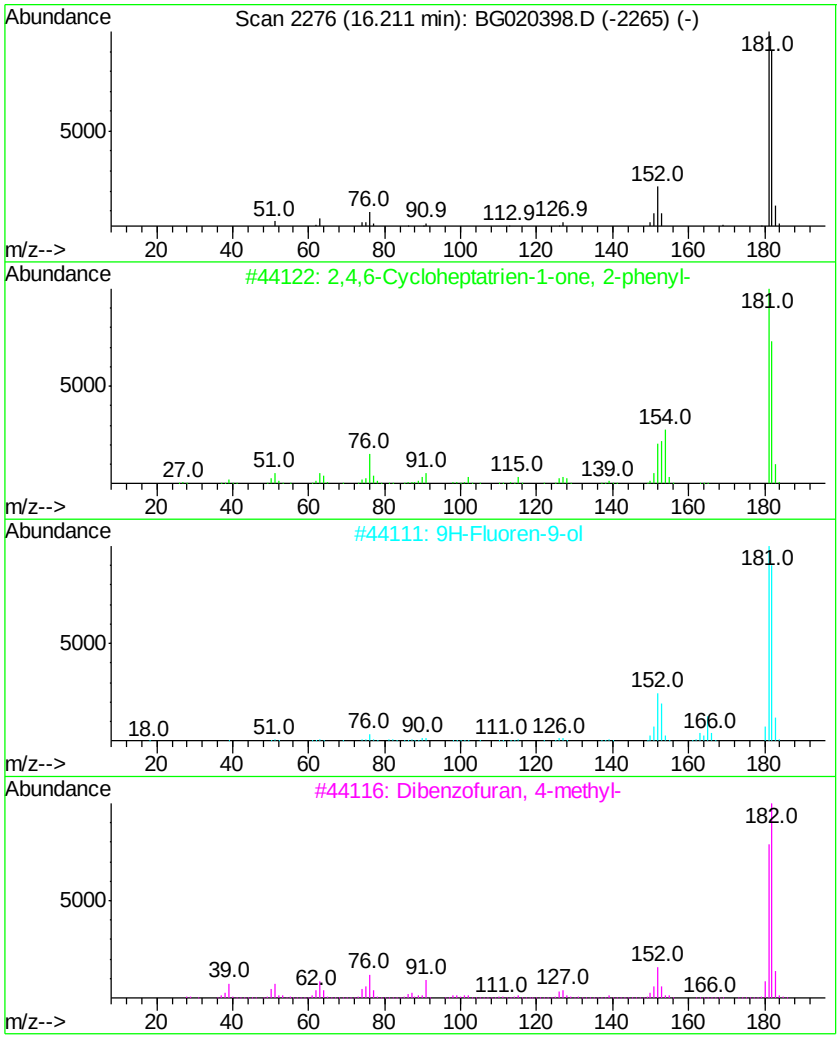
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

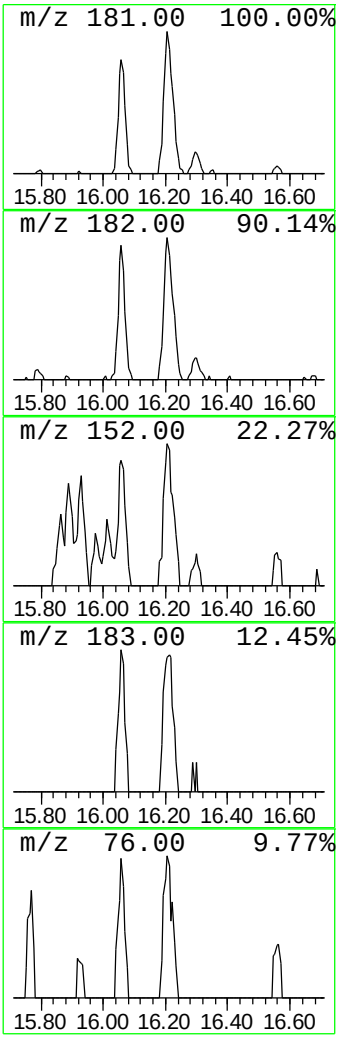
****

Peak Number 7 2,4,6-Cycloheptatrien-1-one... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	3.28 ng/ul	47701	Phenanthrene-d10	17.47

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	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
4	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59





Library Search Compound Report

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Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

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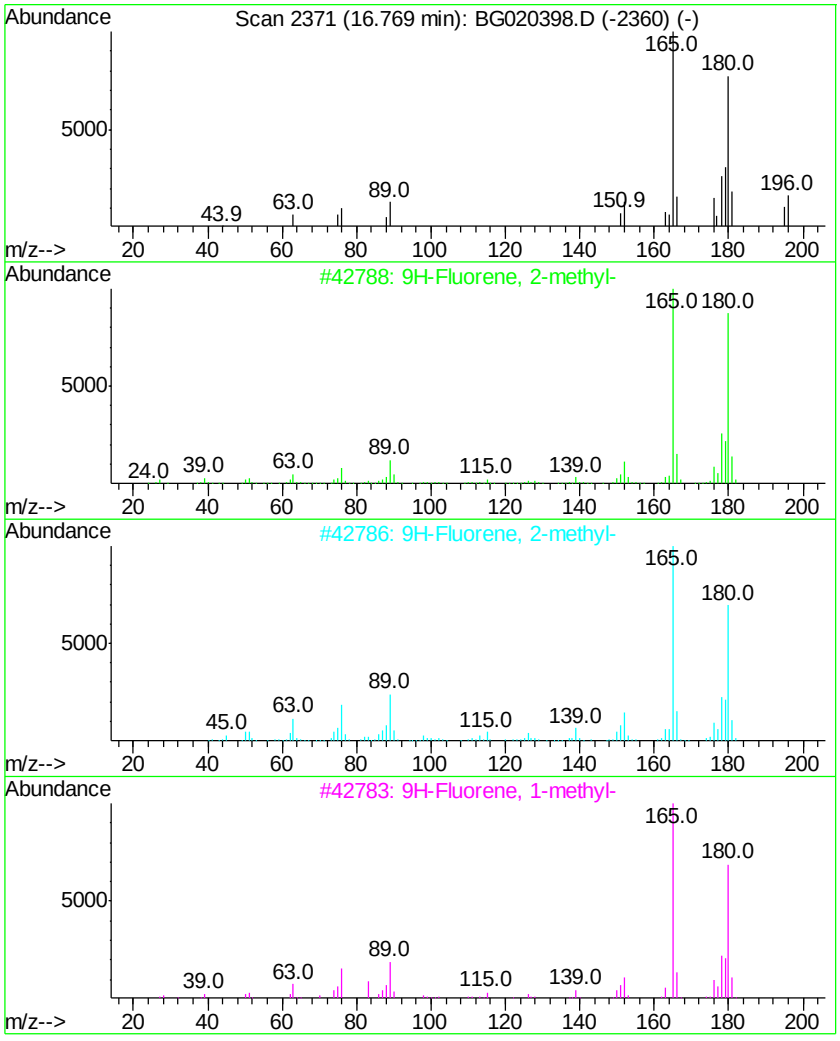
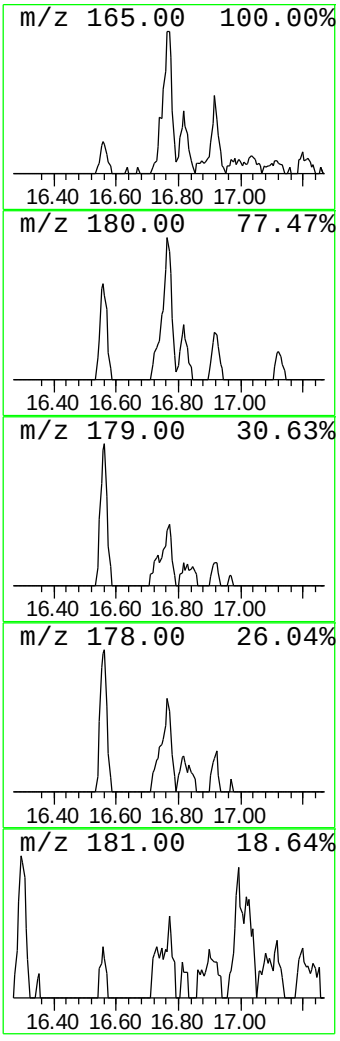
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.10 ng/ul	30514	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76





Library Search Compound Report

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Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

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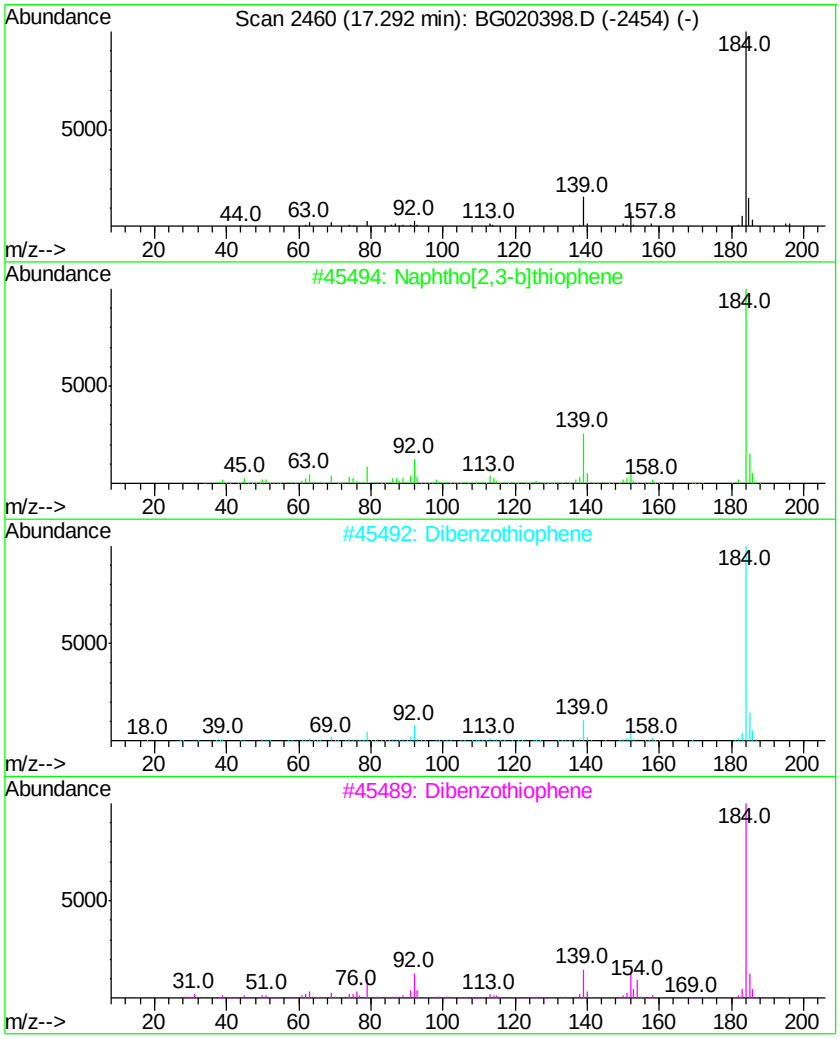
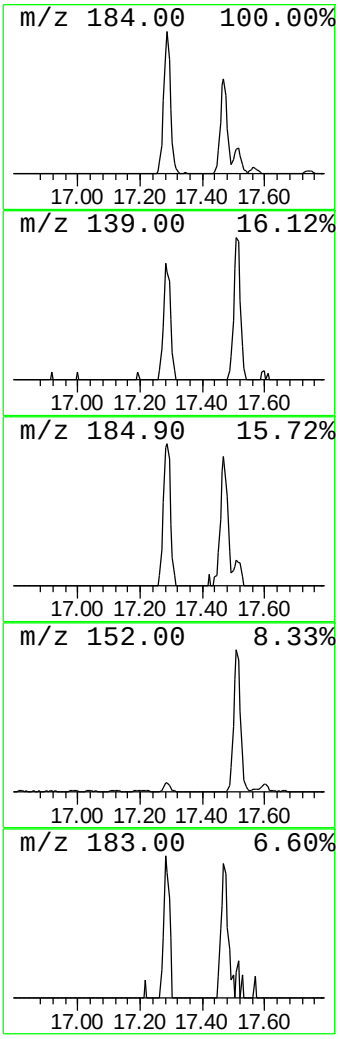
Peak Number 9 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	3.57 ng/ul	51872	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

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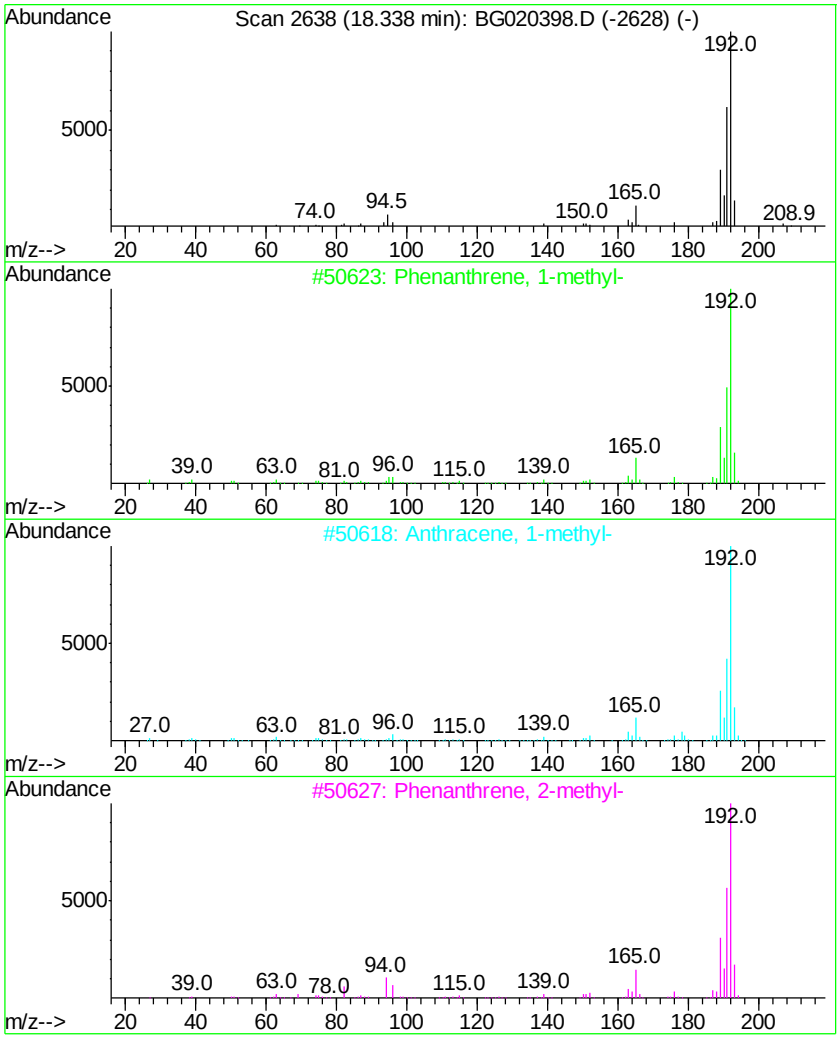
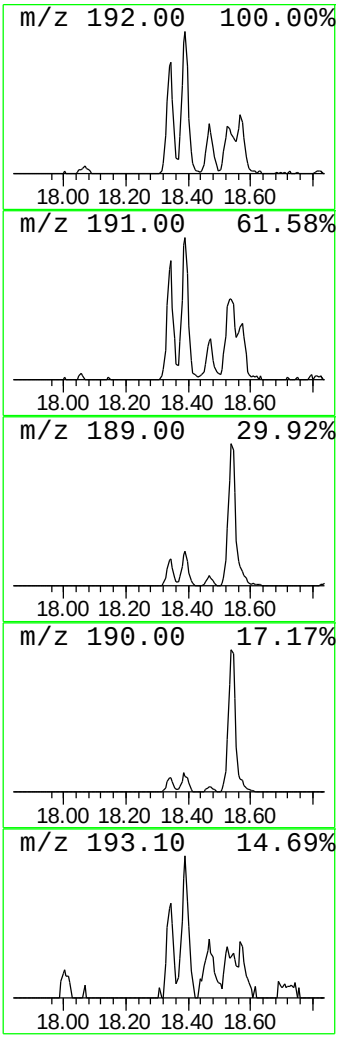
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.28 ng/ul	47734	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

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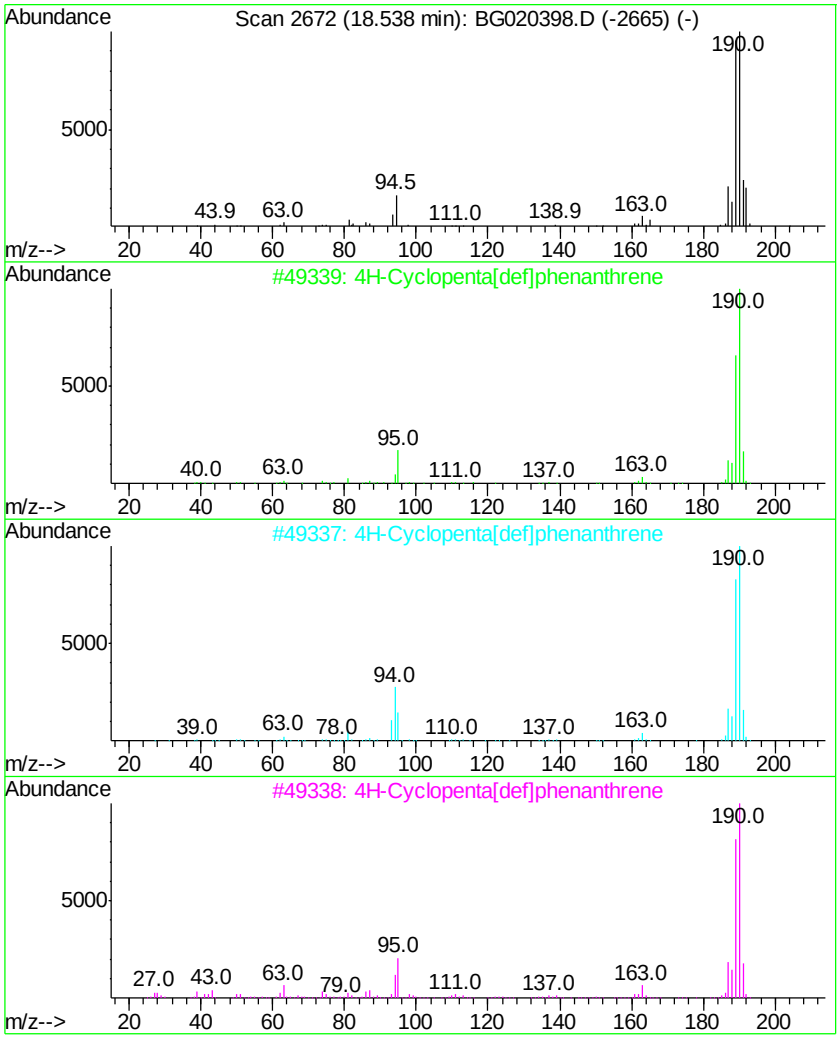
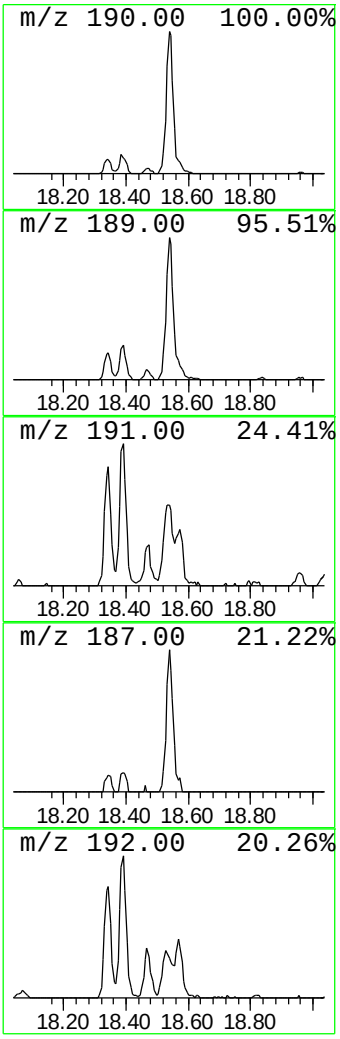
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	7.02 ng/ul	102002	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	81
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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

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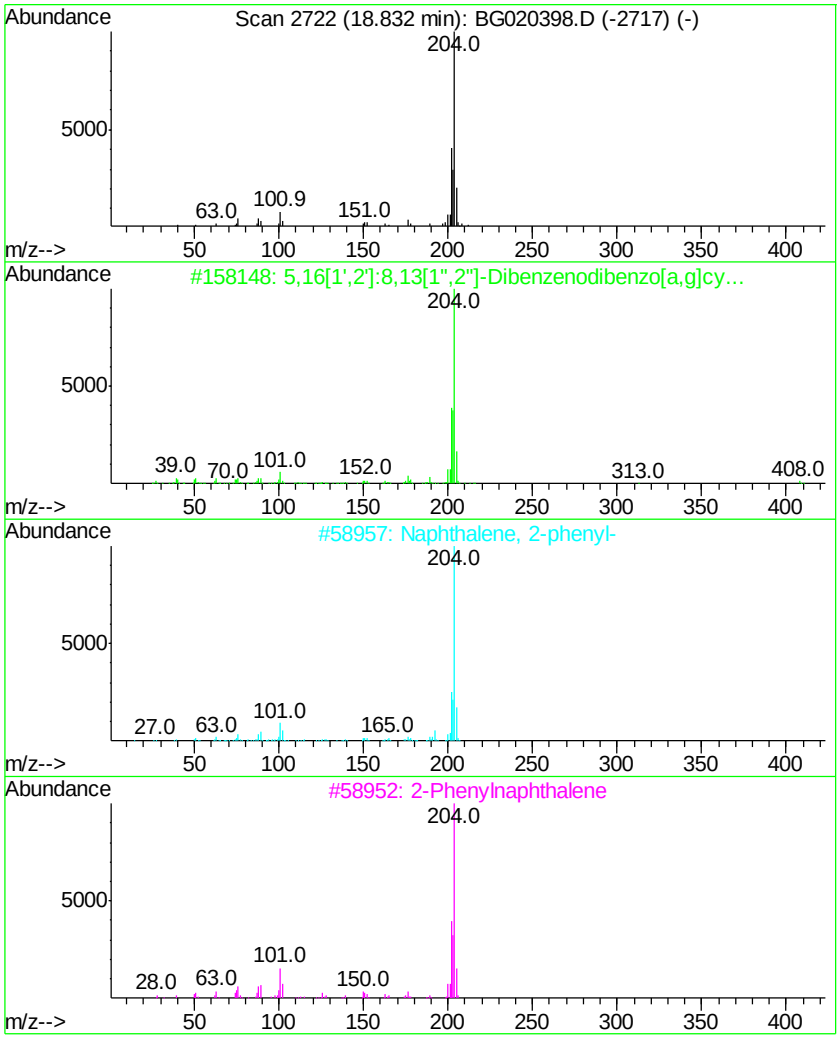
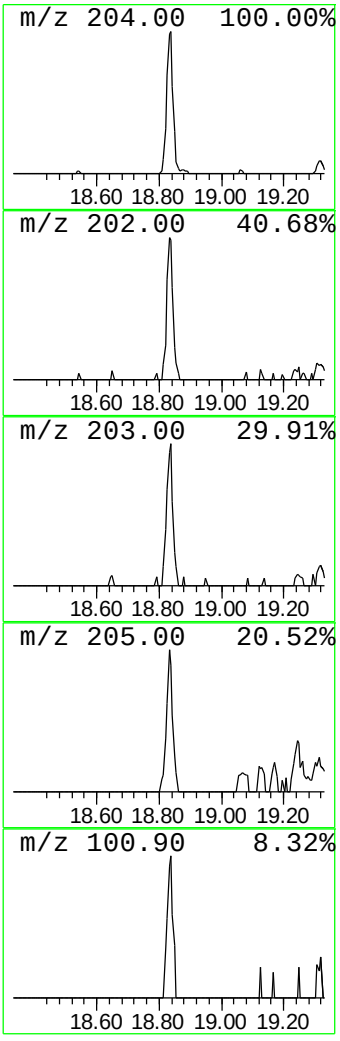
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.62 ng/ul	38145	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





Library Search Compound Report

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Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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

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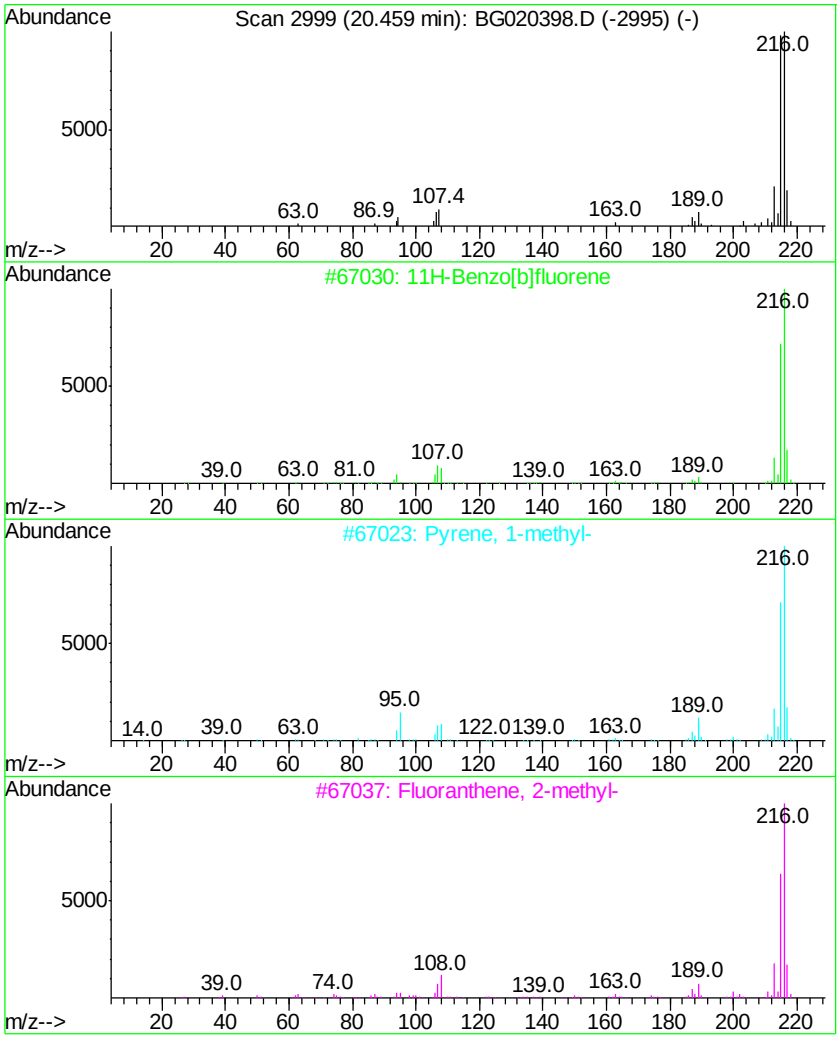
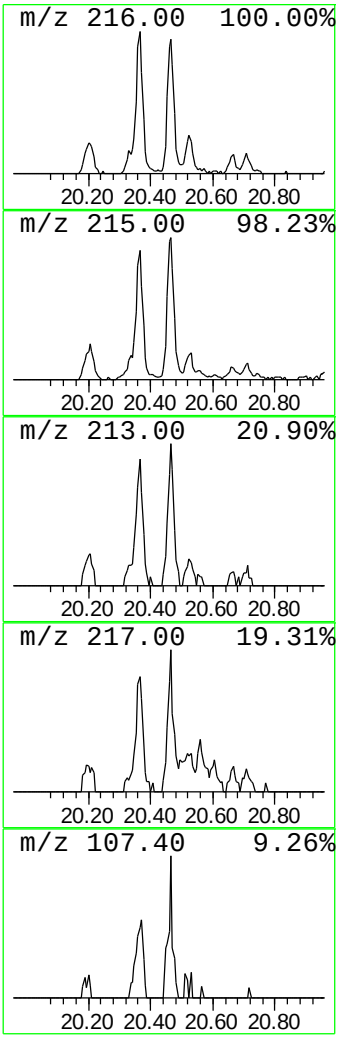
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	2.24 ng/ul	51837	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
Data File : BG020398.D
Acq On : 22 Dec 2015 4:52
Operator : UM/SJ
Sample : G4848-02DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48DL

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
(DEL) Alkane: Cyc...	3.11	2.6	ng/ul	13535	1	8.09	102951	20.0
Naphthalene, 1-me...	12.77	9.2	ng/ul	71708	2	10.91	156819	20.0
Naphthalene, 2,7-...	13.89	2.7	ng/ul	33314	3	14.72	246144	20.0
Naphthalene, 2,3-...	14.04	2.6	ng/ul	31702	3	14.72	246144	20.0
1,1'-Biphenyl, 2-...	15.93	2.3	ng/ul	28785	3	14.72	246144	20.0
Dibenzofuran, 4-m...	16.06	2.5	ng/ul	31201	3	14.72	246144	20.0
2,4,6-Cycloheptat...	16.21	3.3	ng/ul	47701	4	17.47	290796	20.0
9H-Fluorene, 2-me...	16.77	2.1	ng/ul	30514	4	17.47	290796	20.0
Naphtho[2,3-b]thi...	17.29	3.6	ng/ul	51872	4	17.47	290796	20.0
Phenanthrene, 1-m...	18.34	3.3	ng/ul	47734	4	17.47	290796	20.0
4H-Cyclopenta[def...	18.54	7.0	ng/ul	102002	4	17.47	290796	20.0
5,16[1',2']:8,13[...	18.83	2.6	ng/ul	38145	4	17.47	290796	20.0
11H-Benzo[b]fluorene	20.46	2.2	ng/ul	51837	5	21.74	462238	20.0