LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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	3.119	42	48	57	rBV	51376	100058	9.57%	0.842%
2	3.196	57	61	70	rVB	30009	43319	4.14%	0.365%
3	7.238	744	749	756	rBB	15239	25924	2.48%	0.218%
4	7.408	770	778	788	rBB	55134	91570	8.76%	0.771%
5	7.620	806	814	823	rBB	60517	99771	9.55%	0.840%
6	8.090	888	894	900	rBV	56411	93881	8.98%	0.790%
7	8.789	1008	1013	1021	rBB	47901	79032	7.56%	0.665%
8	9.259	1086	1093	1101	rBV	75980	132631	12.69%	1.117%
9	9.982	1209	1216	1225	rBB	66777	117513	11.24%	0.989%
10	10.305	1265	1271	1277	rBV2	6154	10835	1.04%	0.091%
11	10.522	1302	1308	1316	rBV	100441	172947	16.55%	1.456%
12	10.910	1365	1374	1378	rBV	83888	151031	14.45%	1.271%
13	10.957	1378	1382	1389	rVV	103010	180818	17.30%	1.522%
14	12.561	1648	1655	1661	rVB	88017	144210	13.80%	1.214%
15	12.778	1680	1692	1700	rBB	97524	165531	15.84%	1.394%
16	13.560	1819	1825	1832	rBV	79432	118085	11.30%	0.994%
17	13.754	1852	1858	1868	rVB	17384	33145	3.17%	0.279%
18	13.889	1874	1881	1882	rBV2	20292	29746	2.85%	0.250%
19	14.042	1901	1907	1913	rVV	46414	83333	7.97%	0.702%
20	14.124	1913	1921	1928	rVB	228896	367525	35.16%	3.094%
21	14.283	1943	1948	1952	rBV	18697	30772	2.94%	0.259%
22	14.318	1952	1954	1958	rVB	7459	7048	0.67%	0.059%
23	14.418	1964	1971	1981	rBV	230401	408386	39.07%	3.438%
24	14.694	2013	2018	2019	rBV	19863	26663	2.55%	0.224%
25	14.723	2019	2023	2029	rVV2	145398	247306	23.66%	2.082%
26	14.788	2029	2034	2041	rVV	573555	903490	86.44%	7.606%
27	14.852	2041	2045	2050	rVV	10242	15510	1.48%	0.131%
28	14.911	2050	2055	2066	rVV5	19632	36629	3.50%	0.308%
29	15.029	2066	2075	2080	rVV3	14746	27148	2.60%	0.229%
30	15.123	2084	2091	2098	rVV	241598	380854	36.44%	3.206%
31	15.193	2098	2103	2110	rVV2	7847	11590	1.11%	0.098%
32	15.334	2121	2127	2132	rBV4	7427	12607	1.21%	0.106%
33	15.387	2132	2136	2143	rVB4	4009	7334	0.70%	0.062%
34	15.505	2149	2156	2159	rBV3	4231	7817	0.75%	0.066%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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	15.540	2159	2162	2167	rVB3	7909	11256	1.08%	0.095%
36	15.716	2182	2192	2196	rBV	319553	496267	47.48%	4.178%
37	15.769	2196	2201	2206	rVV	336328	522576	50.00%	4.399%
38	15.828	2206	2211	2216	rVV	94564	150575	14.41%	1.268%
39	15.863	2216	2217	2219	rVV2	11053	10543	1.01%	0.089%
40	15.892	2219	2222	2225	rVV3	27054	39988	3.83%	0.337%
41	15.928	2225	2228	2234	rVV3	32554	55799	5.34%	0.470%
42	15.981	2234	2237	2240	rVV2	7830	11937	1.14%	0.100%
43	16.022	2240	2244	2247	rVV	11080	16041	1.53%	0.135%
44	16.063	2247	2251	2256	rVB	23614	33973	3.25%	0.286%
45	16.163	2256	2268	2270	rBV3	4090	9087	0.87%	0.077%
46	16.204	2270	2275	2284	rVV	23918	54814	5.24%	0.461%
47	16.439	2303	2315	2322	rBV4	12153	22376	2.14%	0.188%
48	16.562	2327	2336	2341	rBV	22927	33255	3.18%	0.280%
49	16.733	2359	2365	2367	rBV4	9201	16830	1.61%	0.142%
50	16.768	2368	2371	2376	rVV4	13814	20411	1.95%	0.172%
51	16.815	2376	2379	2386	rVV3	7634	12368	1.18%	0.104%
52	16.921	2390	2397	2400	rVV5	7522	11594	1.11%	0.098%
53	17.120	2426	2431	2437	rVB	17263	27866	2.67%	0.235%
54	17.285	2455	2459	2468	rVB	53129	79304	7.59%	0.668%
55	17.467	2485	2490	2494	rBV2	206697	349324	33.42%	2.941%
56	17.514	2494	2498	2503	rVV	720108	1045254	100.00%	8.800%
57	17.567	2503	2507	2518	rVV2	394257	638164	61.05%	5.373%
58	17.661	2518	2523	2528	rVB2	9667	15808	1.51%	0.133%
59	17.867	2553	2558	2565	rVB	65971	98919	9.46%	0.833%
60	17.984	2571	2578	2582	rBV3	14555	32752	3.13%	0.276%
61	18.084	2591	2595	2599	rVB	7824	9688	0.93%	0.082%
62	18.342	2635	2639	2643	rVV	22822	31981	3.06%	0.269%
63	18.389	2643	2647	2655	rVB3	40485	64600	6.18%	0.544%
64	18.460	2655	2659	2665	rVB2	12670	21654	2.07%	0.182%
65	18.542	2665	2673	2682	rBV3	62778	114184	10.92%	0.961%
66	18.636	2682	2689	2693	rVV	15543	22315	2.13%	0.188%
67	18.683	2693	2697	2700	rVV	24110	31274	2.99%	0.263%
68	18.718	2700	2703	2708	rVV4	4938	8916	0.85%	0.075%
69	18.777	2708	2713	2719	rVV3	16453	26599	2.54%	0.224%
70	18.836	2719	2723	2726	rVV2	15344	19949	1.91%	0.168%
71	18.877	2726	2730	2736	rVV2	68018	96067	9.19%	0.809%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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	19.077	2759	2764	2768	rBV5	4866	7253	0.69%	0.061%
73	19.159	2774	2778	2785	rVB5	5649	8931	0.85%	0.075%
74	19.253	2785	2794	2801	rBV8	5600	19000	1.82%	0.160%
75	19.359	2801	2812	2813	rBV7	4458	11668	1.12%	0.098%
76	19.394	2814	2818	2824	rVB3	9467	14758	1.41%	0.124%
77	19.518	2832	2839	2844	rVB	200000	283297	27.10%	2.385%
78	19.612	2851	2855	2860	rVB	13064	17734	1.70%	0.149%
79	19.706	2866	2871	2875	rBV4	11056	21388	2.05%	0.180%
80	19.758	2878	2880	2886	rVB2	6898	8739	0.84%	0.074%
81	19.852	2888	2896	2900	rBV	502960	805614	77.07%	6.782%
82	19.941	2908	2911	2918	rVB4	4379	6936	0.66%	0.058%
83	20.076	2924	2934	2937	rBV5	7747	13726	1.31%	0.116%
84	20.252	2959	2964	2969	rVV	59937	79756	7.63%	0.671%
85	20.305	2969	2973	2979	rVV	26904	37788	3.62%	0.318%
86	20.364	2979	2983	2988	rVB	9244	14488	1.39%	0.122%
87	20.464	2994	3000	3005	rBV2	11798	19457	1.86%	0.164%
88	20.916	3074	3077	3081	rVV	7005	9464	0.91%	0.080%
89	20.969	3081	3086	3089	rVB3	7328	10737	1.03%	0.090%
90	21.321	3137	3146	3149	rBV5	11195	19748	1.89%	0.166%
91	21.362	3149	3153	3159	rVB6	8789	15050	1.44%	0.127%
92	21.744	3210	3218	3224	rBV	298390	505462	48.36%	4.255%
93	22.162	3282	3289	3294	rBV	16161	28828	2.76%	0.243%
94	22.373	3316	3325	3336	rBV	58370	127880	12.23%	1.077%
95	23.237	3466	3472	3479	rVV8	3559	8445	0.81%	0.071%
96	23.877	3576	3581	3591	rVB8	3043	7293	0.70%	0.061%
97	24.794	3725	3737	3752	rBV	250193	690986	66.11%	5.817%
98	25.017	3764	3775	3792	rVB2	151660	422274	40.40%	3.555%
99	26.174	3965	3972	3981	rVB8	6191	16040	1.53%	0.135%
100	27.549	4195	4206	4210	rBV7	5668	17229	1.65%	0.145%

Sum of corrected areas: 11878336

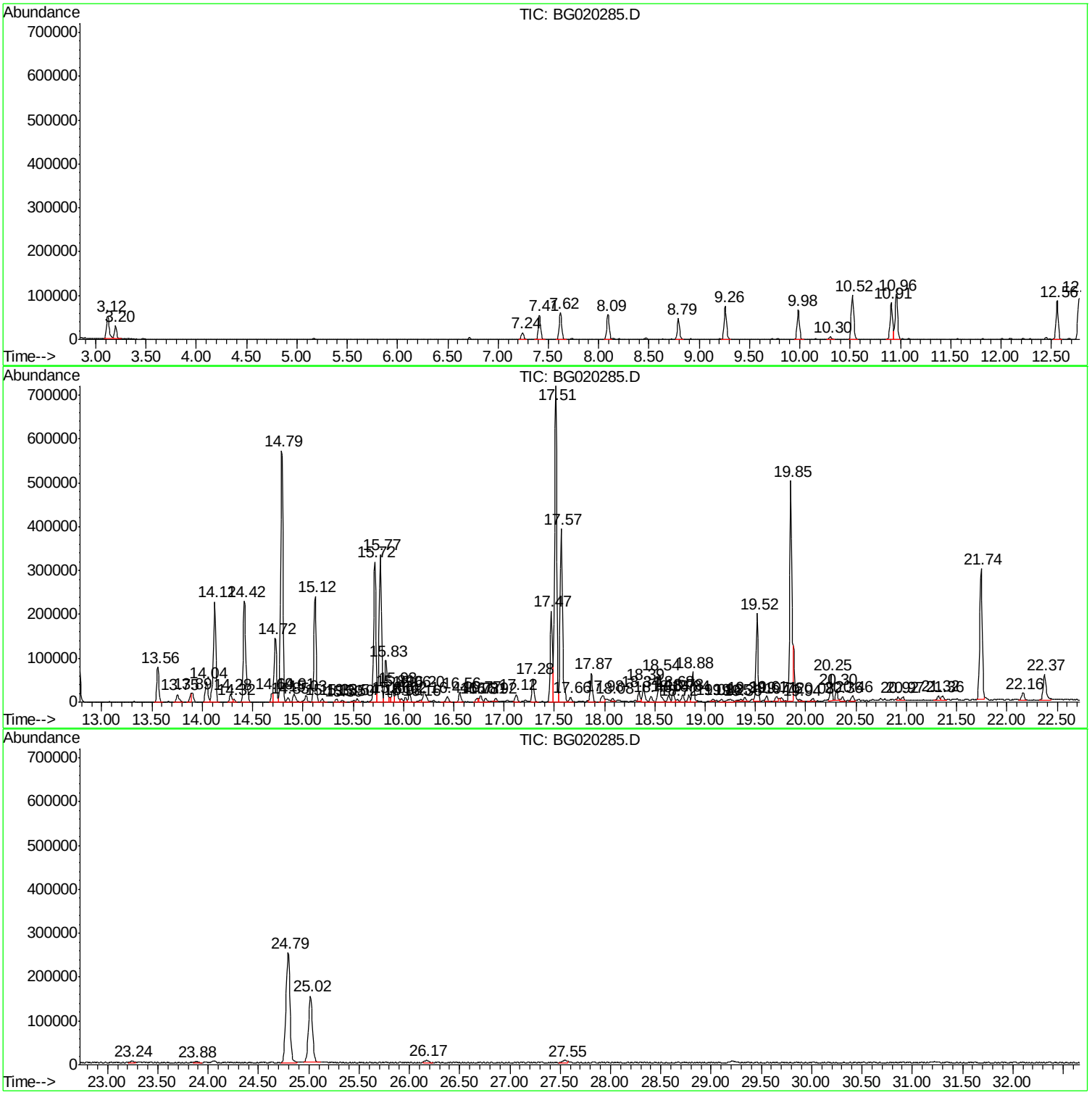
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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

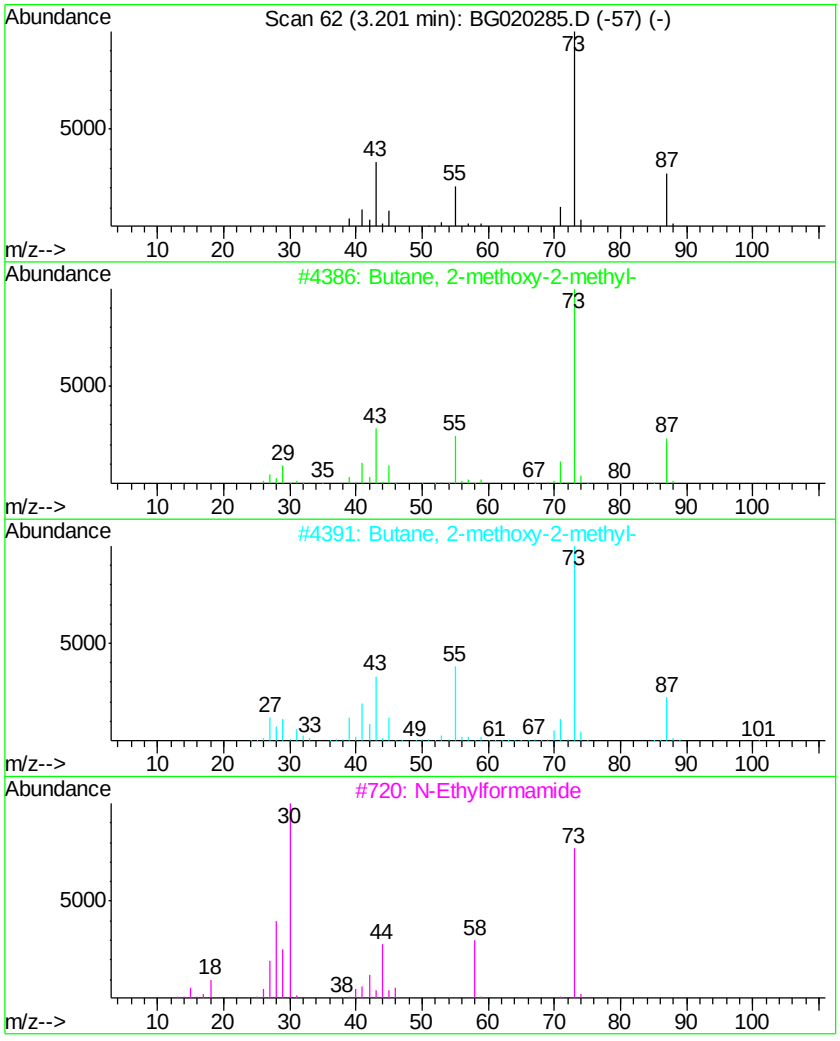
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

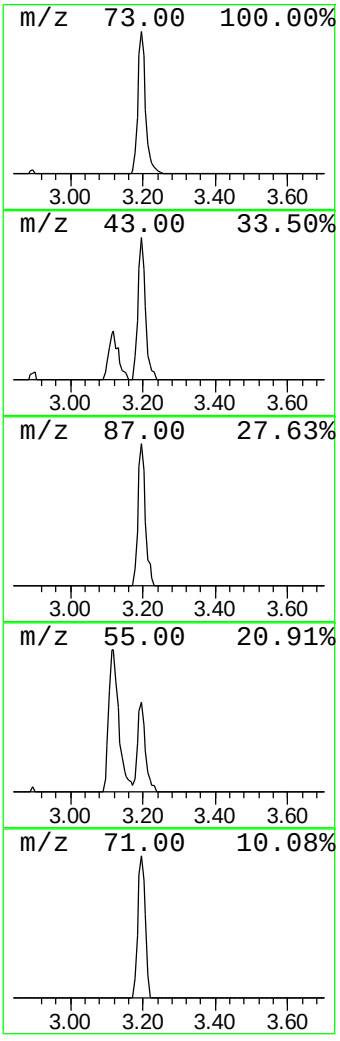
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	9.23 ng/ul	43319	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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

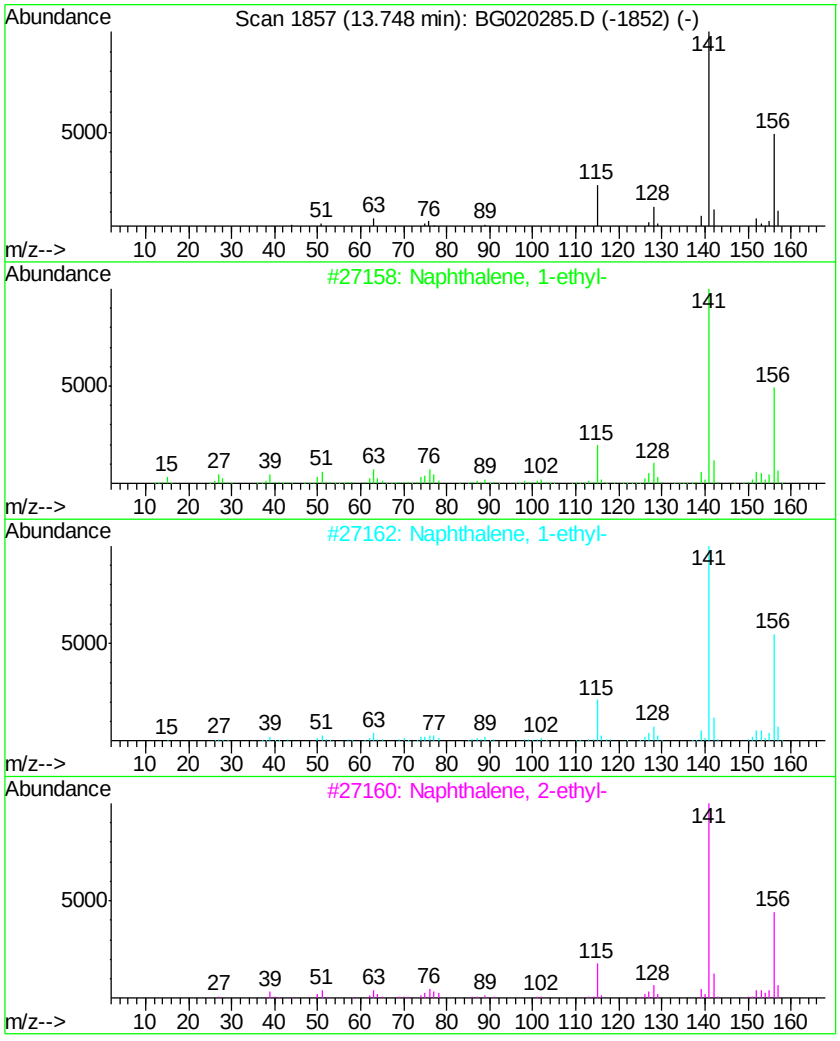
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

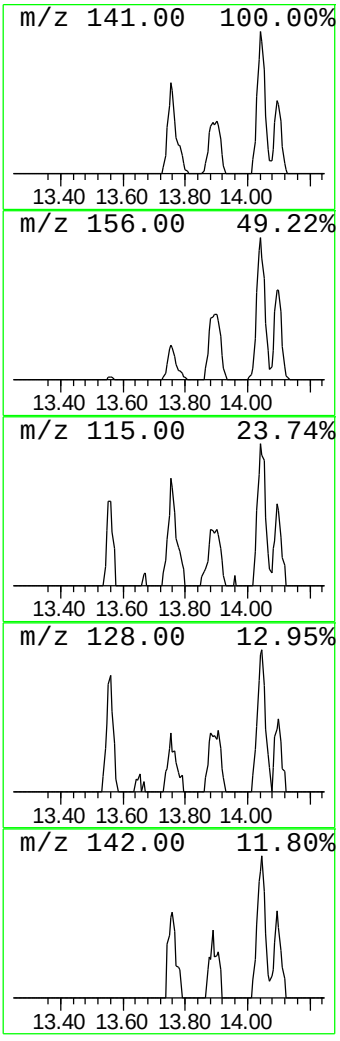
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.68 ng/ul	33145	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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

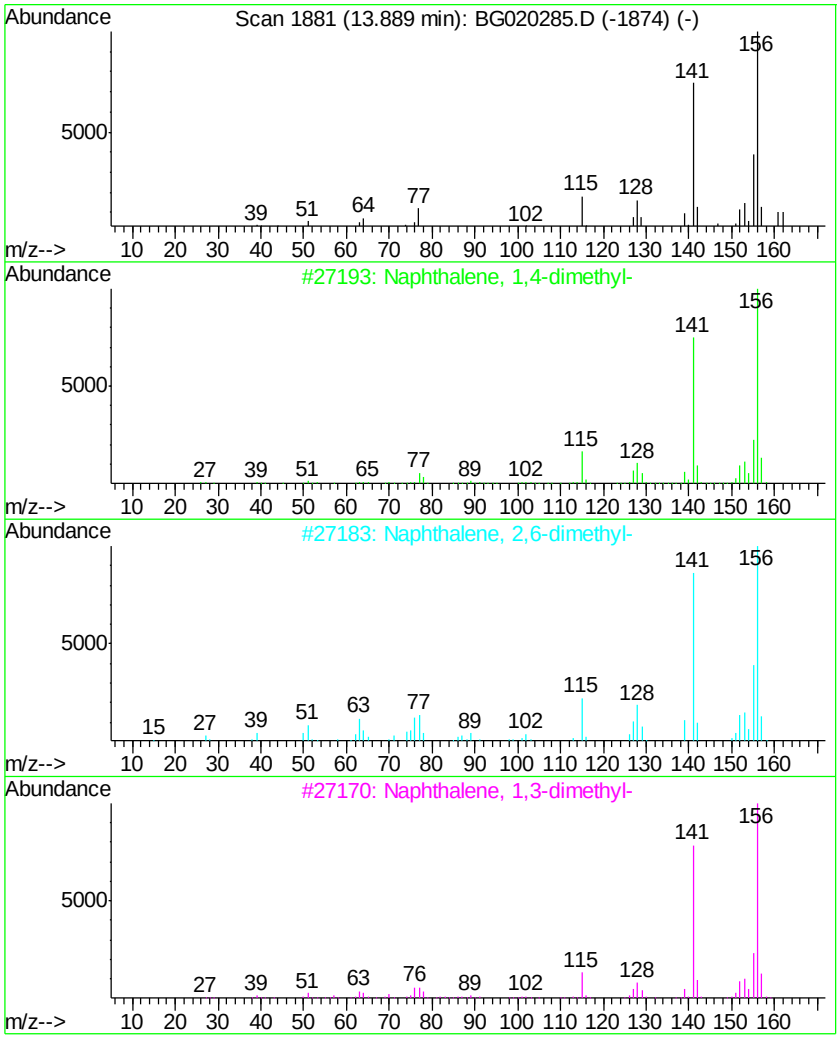
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

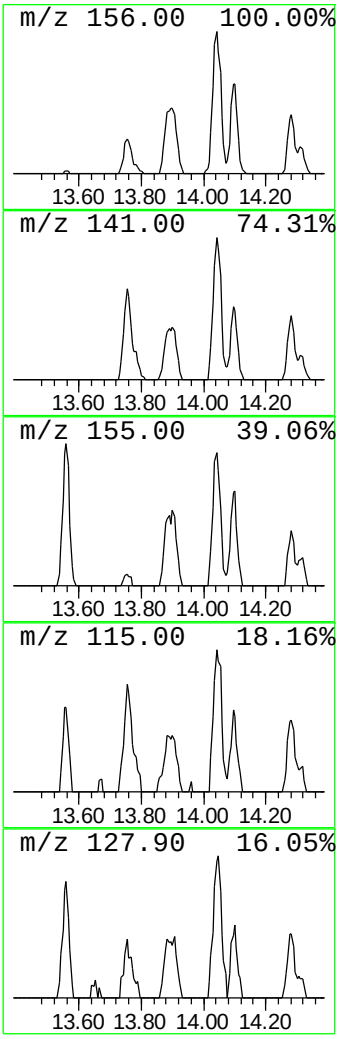
****

Peak Number 4 Naphthalene, 1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.41 ng/ul	29746	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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

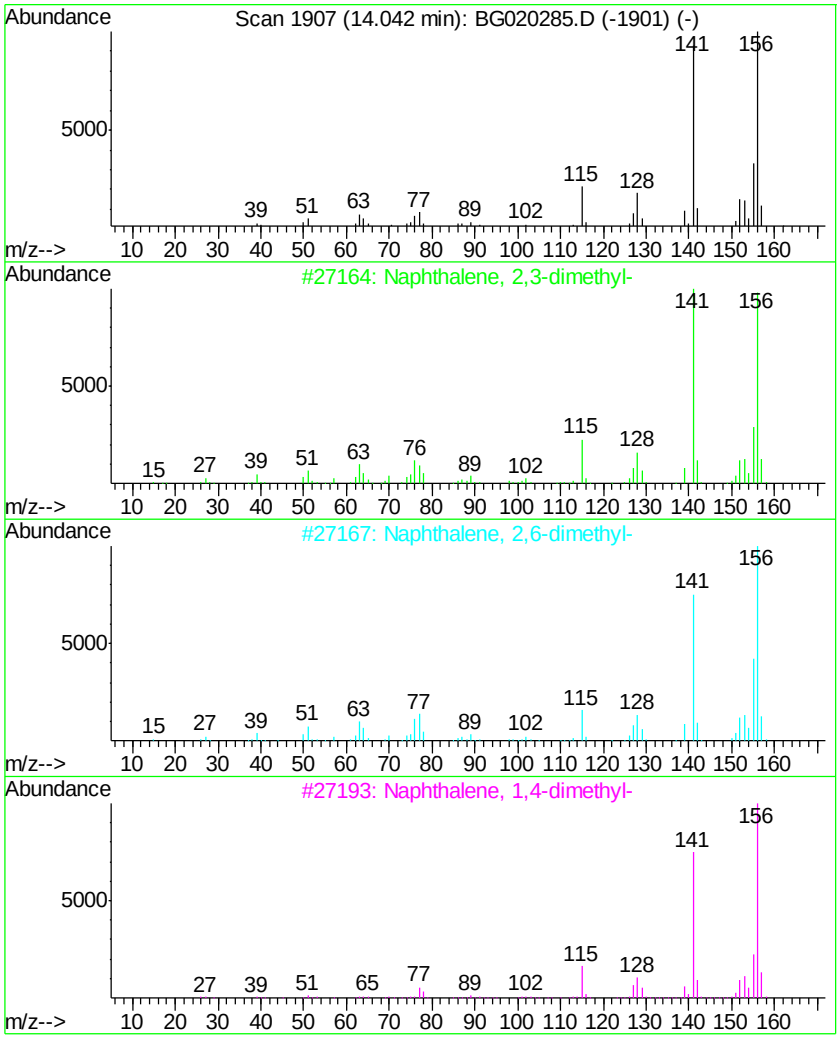
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

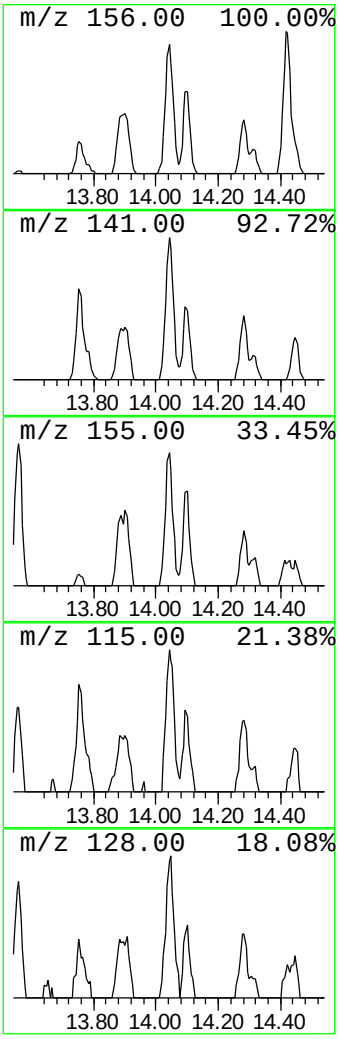
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	6.74 ng/ul	83333	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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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

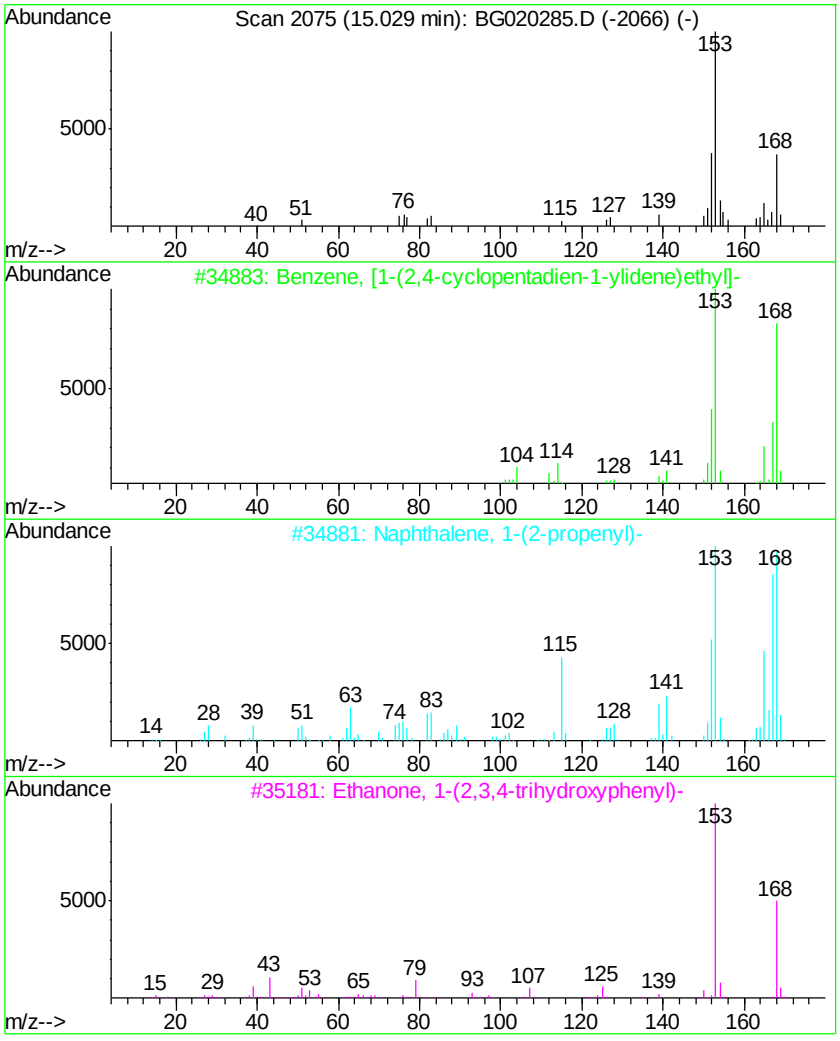
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

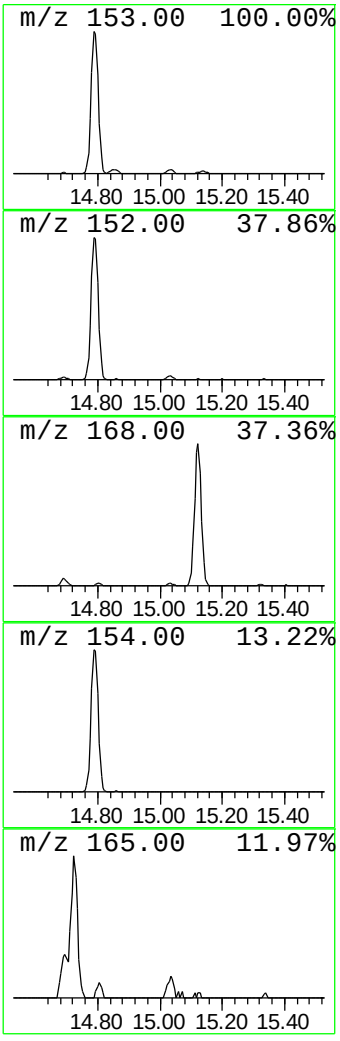
****

Peak Number 7 Benzene, [1-(2,4-cyclopenta... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.20 ng/ul	27148	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	58
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	52
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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

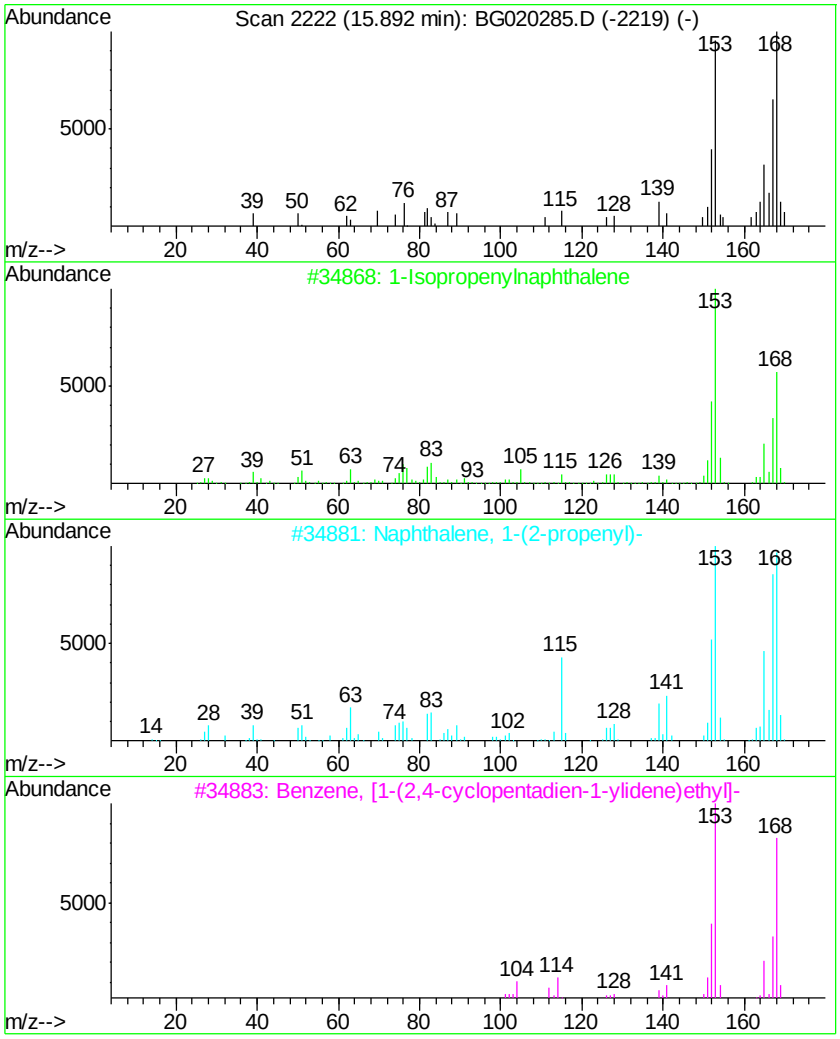
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

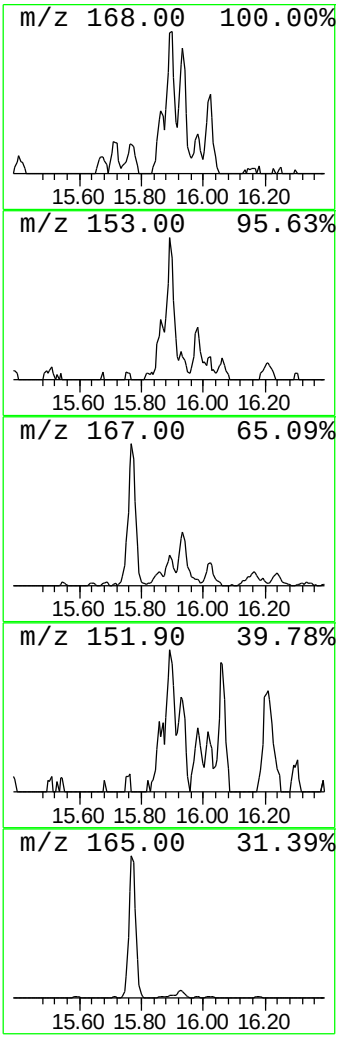
****

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	3.23 ng/ul	39988	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	87
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	70
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59





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Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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

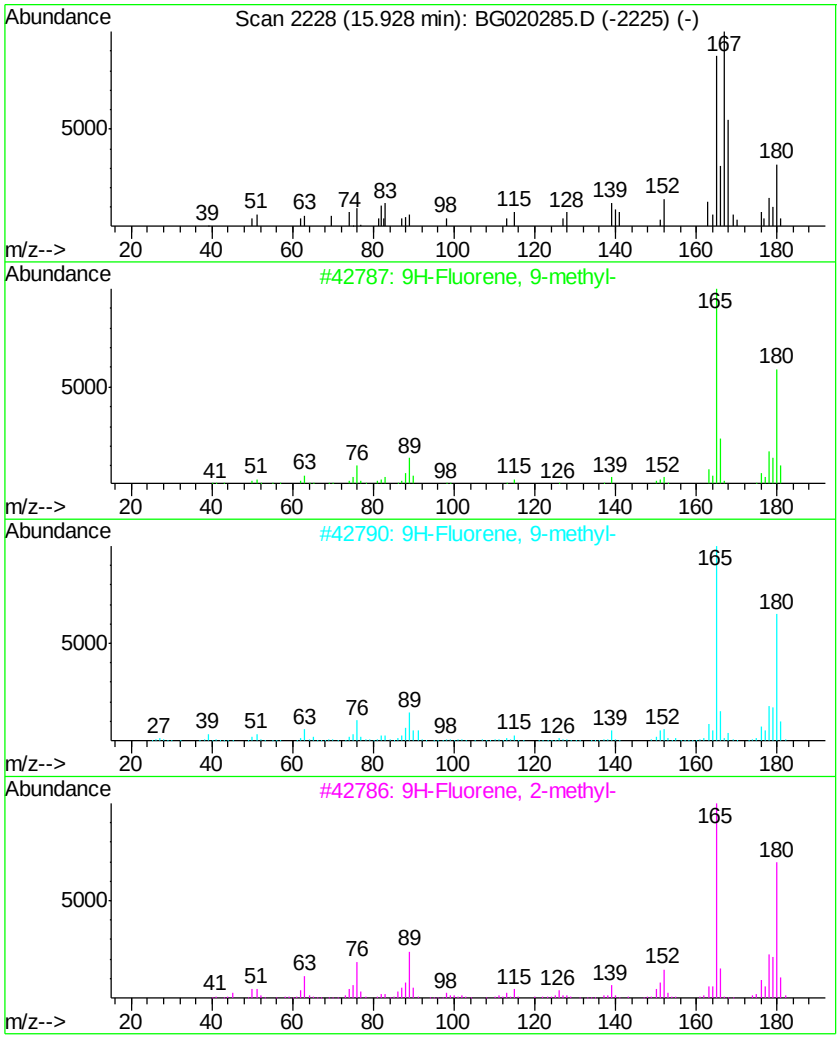
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

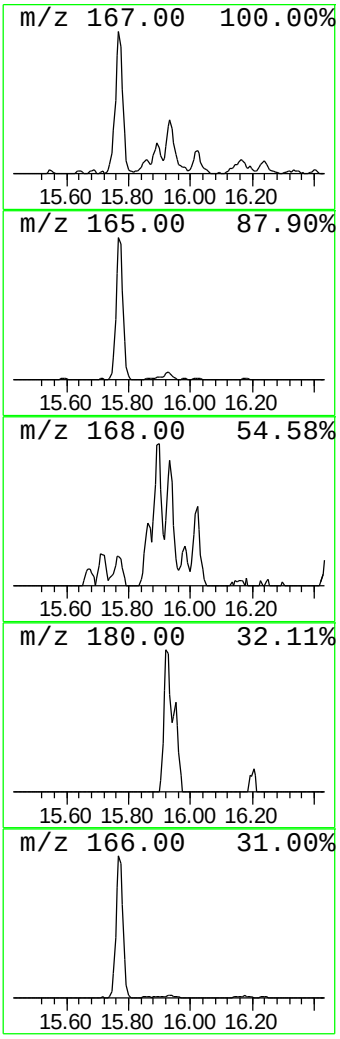
****

Peak Number 9 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	4.51 ng/ul	55799	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	38
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	38
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	38
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	35
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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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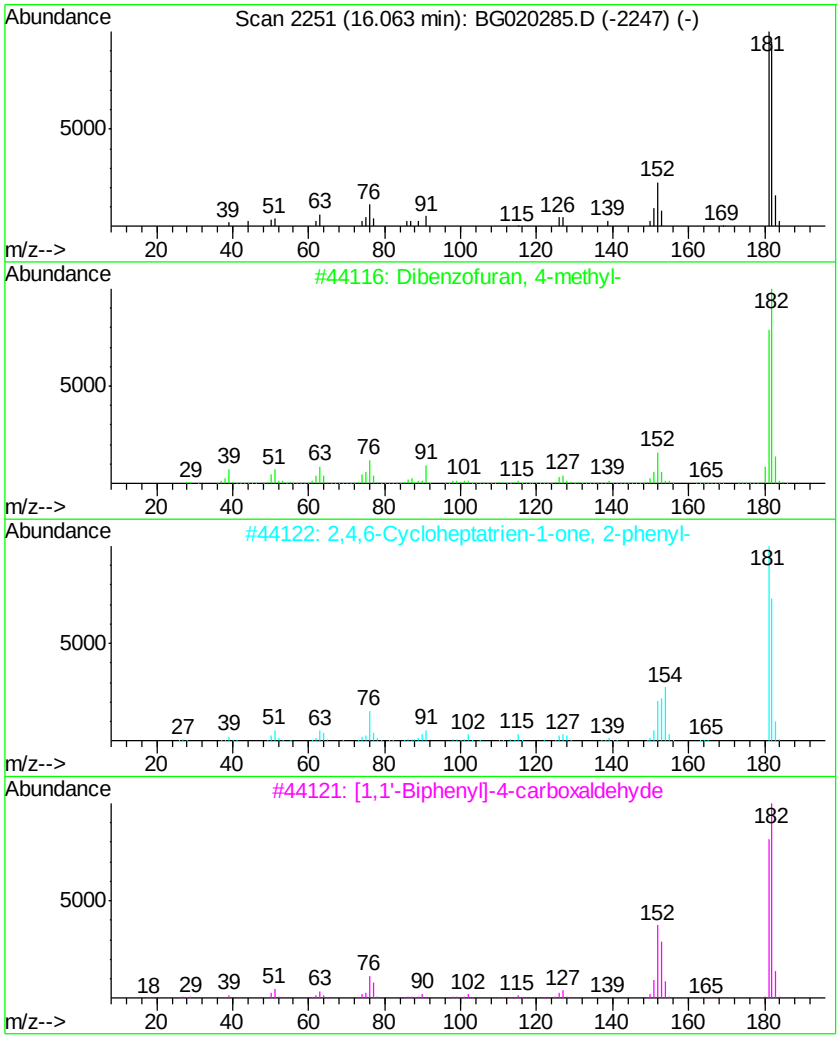
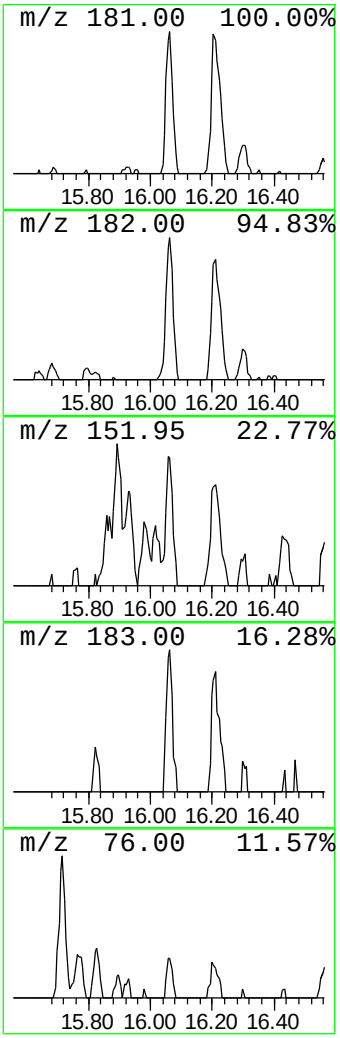
Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.75 ng/ul	33973	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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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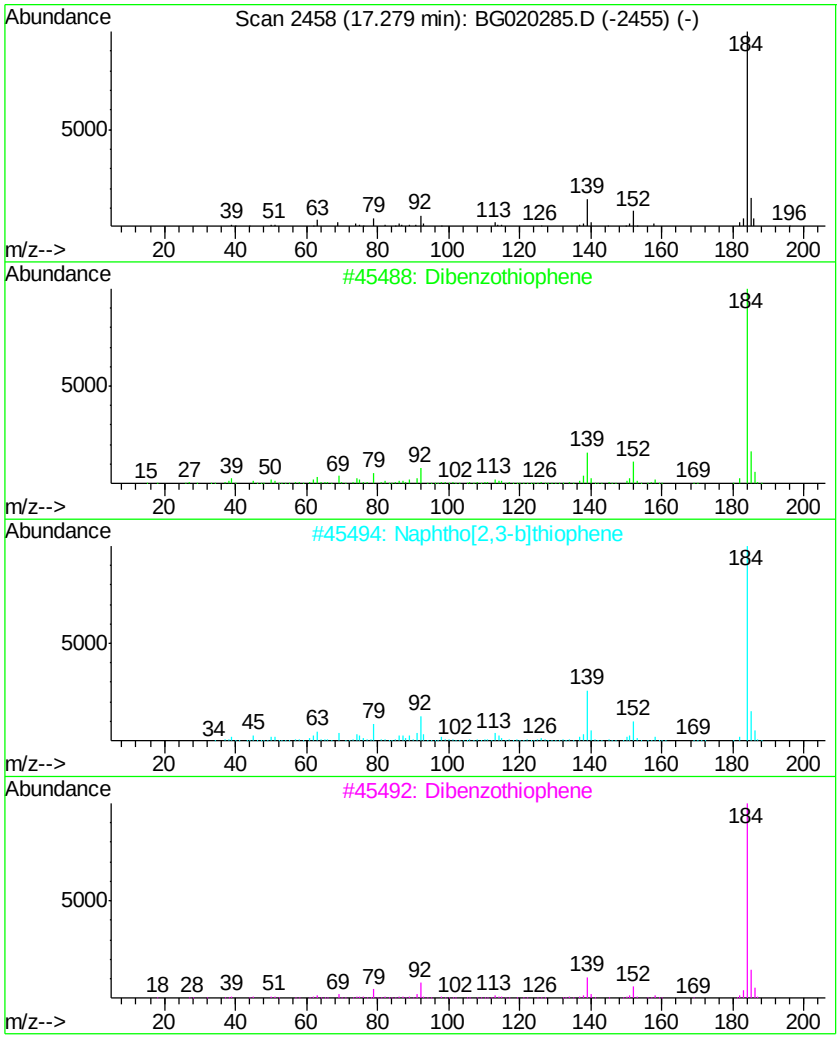
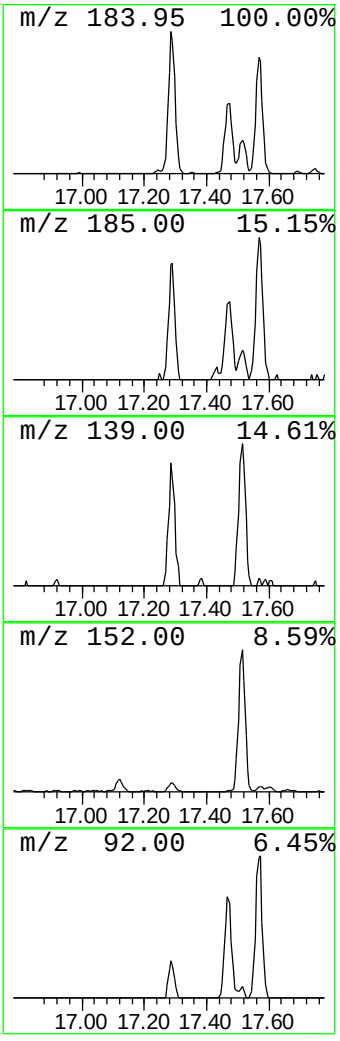
Peak Number 12 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	4.54 ng/ul	79304	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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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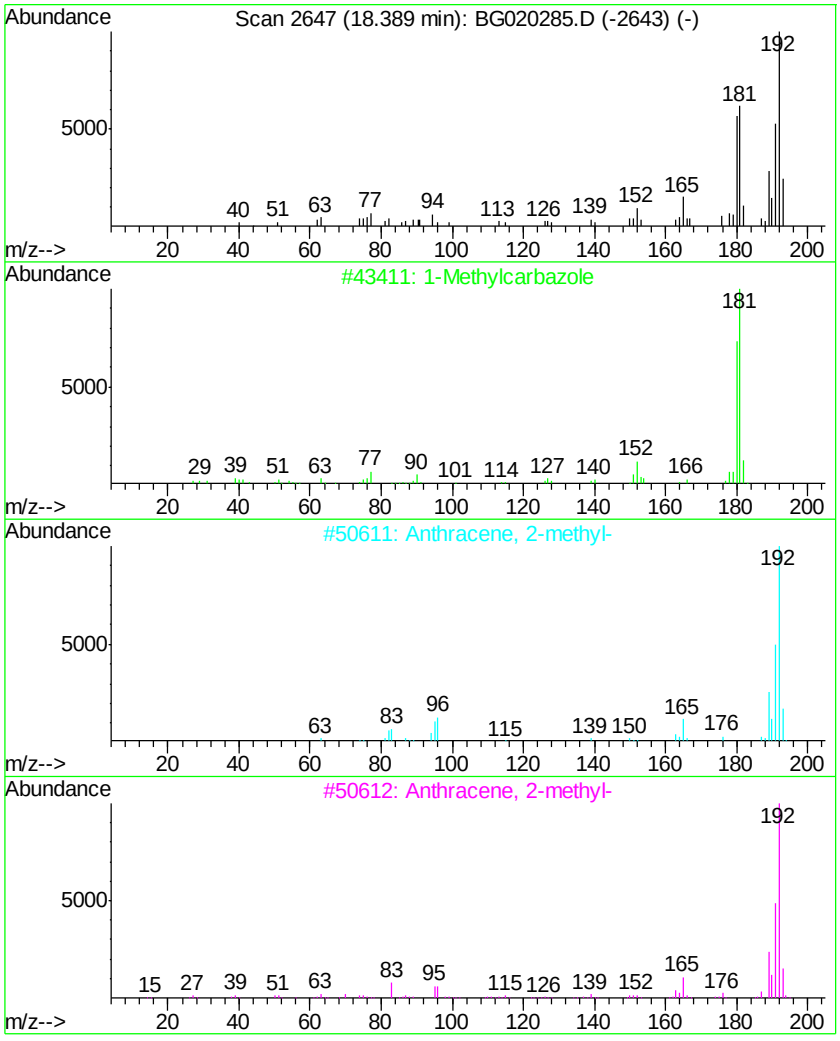
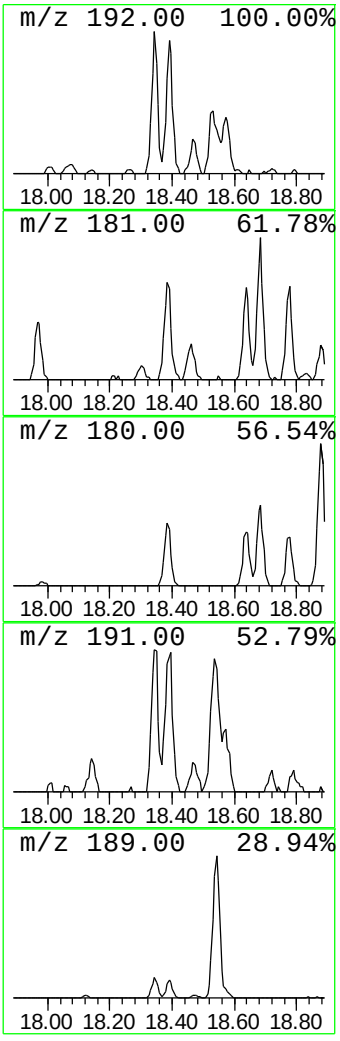
Peak Number 13 1-Methylcarbazole Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	3.70 ng/ul	64600	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcarbazole	181	C13H11N	006510-65-2	70
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55





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Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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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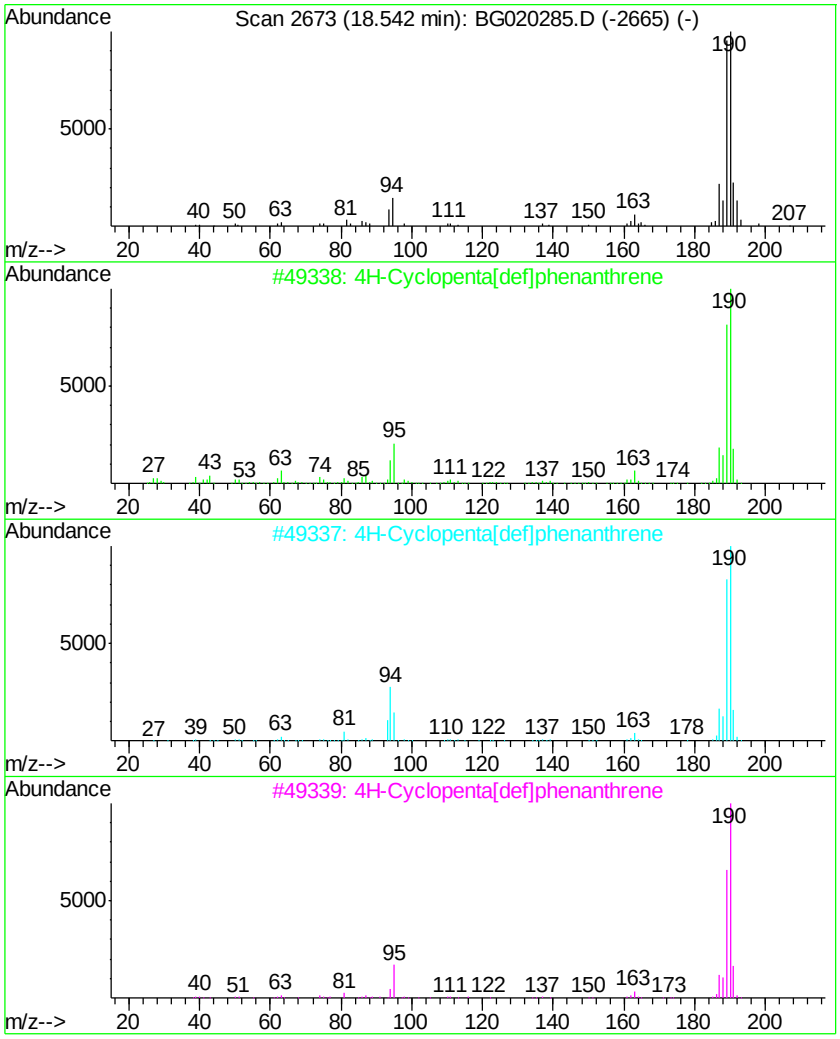
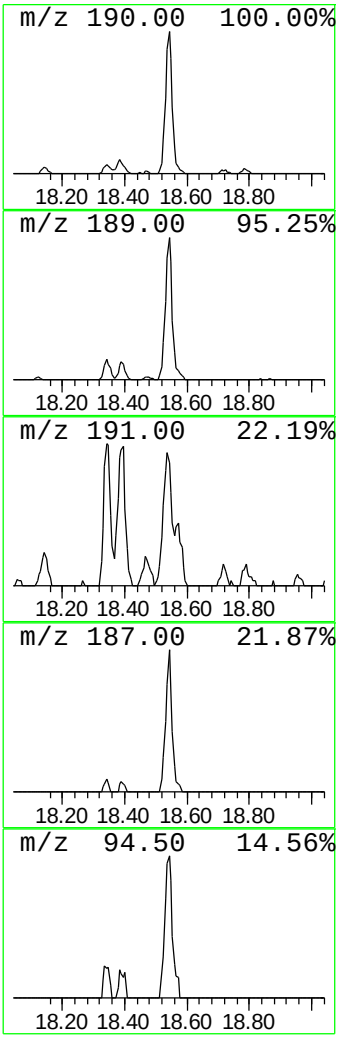
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	6.54 ng/ul	114184	Phenanthrene-d10	17.47

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	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





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Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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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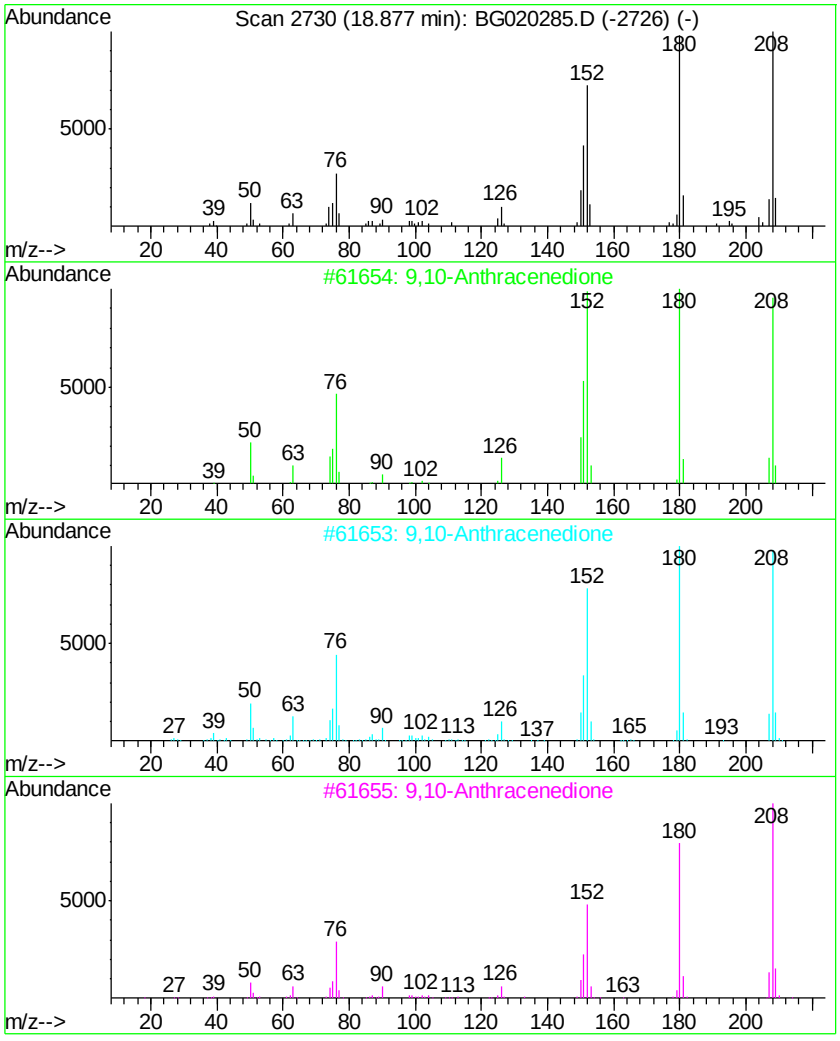
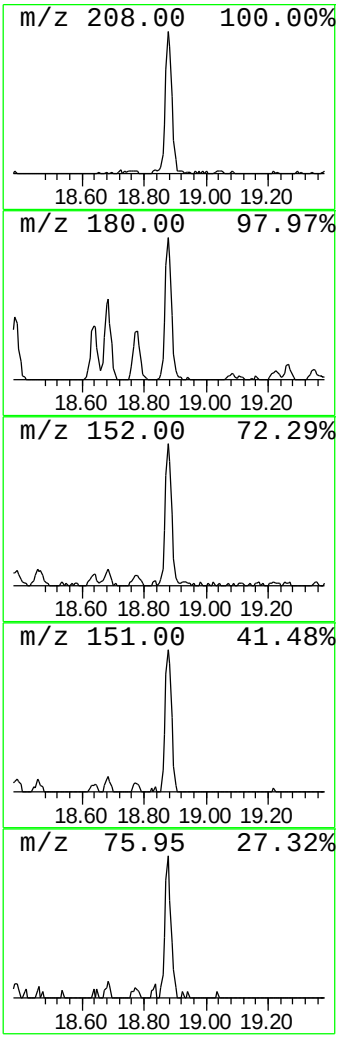
Peak Number 15 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	5.50 ng/ul	96067	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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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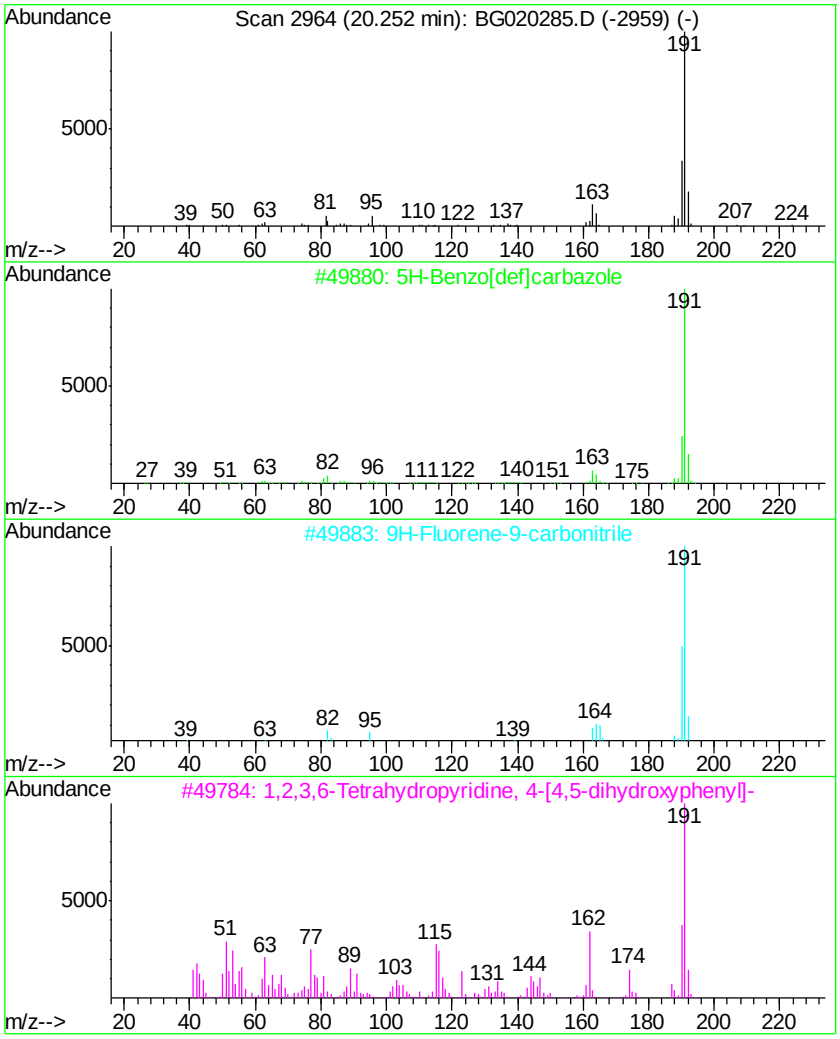
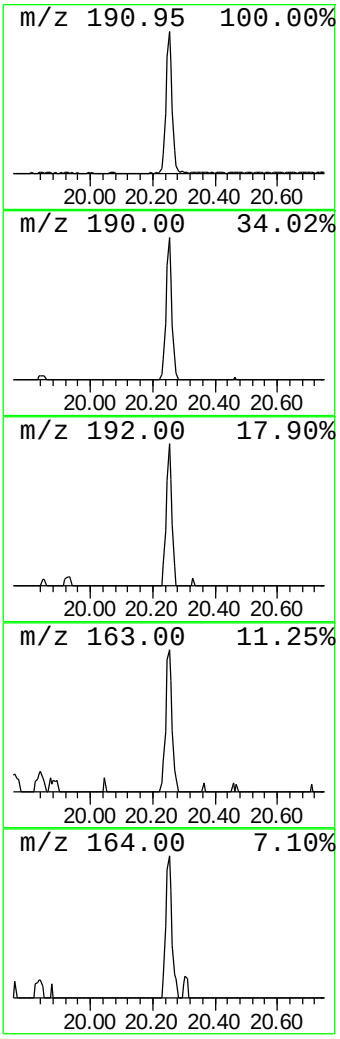
Peak Number 16 5H-Benzo[def]carbazole Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	3.16 ng/ul	79756	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzo[def]carbazole	191	C14H9N	000203-65-6	94
2	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	78
3	1,2,3,6-Tetrahydropyridine, 4-[4...	191	C11H13NO2	090684-17-6	72
4	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	47
5	9H-Fluorene-2-carbonitrile	191	C14H9N	002523-48-0	45





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Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
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Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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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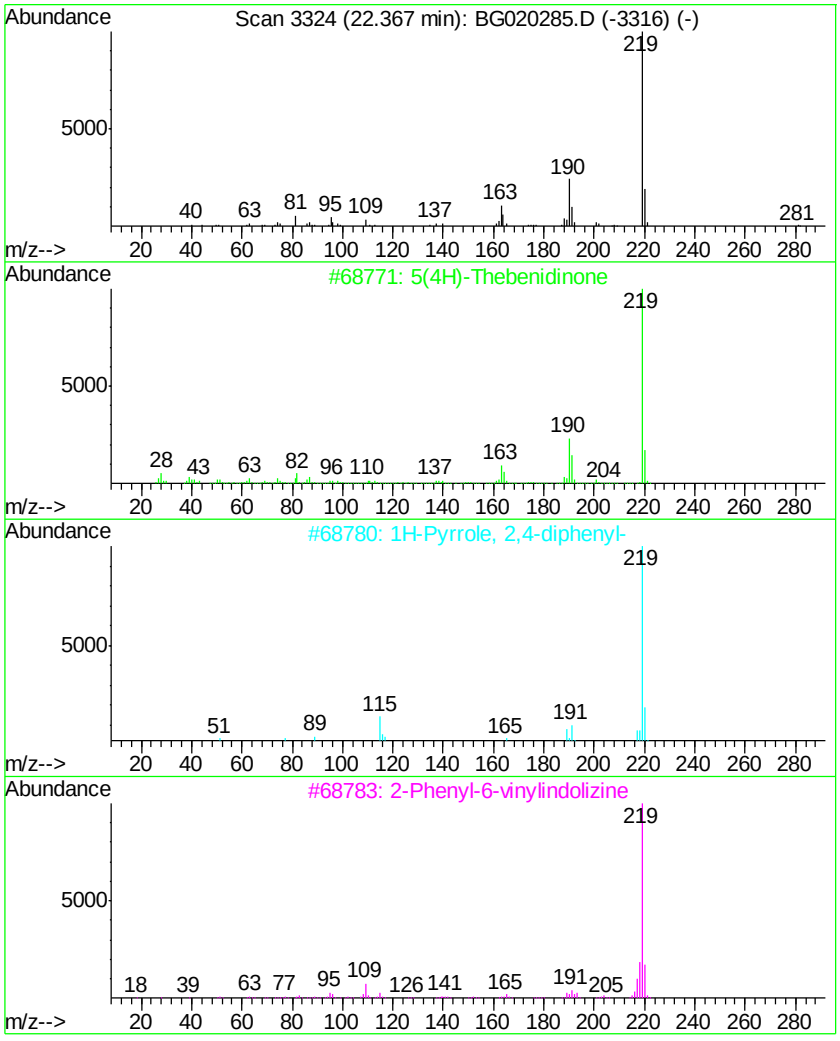
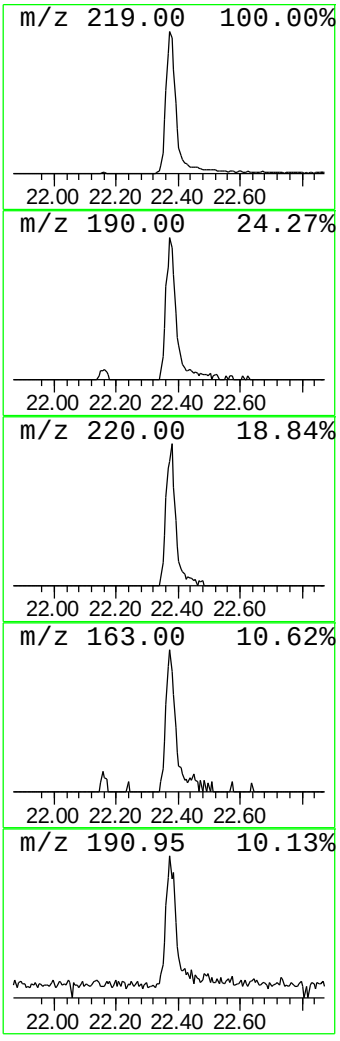
Peak Number 17 5(4H)-Thebenidinone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.37	5.06 ng/ul	127880	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5(4H)-Thebenidinone	219	C15H9NO	064884-40-8	94
2	1H-Pyrrole, 2,4-diphenyl-	219	C16H13N	003274-56-4	53
3	2-Phenyl-6-vinylindolizine	219	C16H13N	077652-49-4	50
4	11H-Pyrido[3',2'-4,5]pyrrolo[3,2...	219	C14H9N3	1000212-49-8	40
5	2-Naphthalenamine, N-phenyl-	219	C16H13N	000135-88-6	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020285.D
Acq On : 18 Dec 2015 21:31
Operator : UM/SJ
Sample : G4768-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N30

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
Butane, 2-methoxy...	3.20	9.2	ng/ul	43319	1	8.09	93881	20.0
Naphthalene, 1-et...	13.75	2.7	ng/ul	33145	3	14.72	247306	20.0
Naphthalene, 1,4-...	13.89	2.4	ng/ul	29746	3	14.72	247306	20.0
Naphthalene, 2,3-...	14.04	6.7	ng/ul	83333	3	14.72	247306	20.0
Benzene, [1-(2,4-...	15.03	2.2	ng/ul	27148	3	14.72	247306	20.0
1-Isopropenylnaph...	15.89	3.2	ng/ul	39988	3	14.72	247306	20.0
unknown-01	15.93	4.5	ng/ul	55799	3	14.72	247306	20.0
Dibenzofuran, 4-m...	16.06	2.8	ng/ul	33973	3	14.72	247306	20.0
Dibenzothiophene	17.28	4.5	ng/ul	79304	4	17.47	349324	20.0
1-Methylcarbazole	18.39	3.7	ng/ul	64600	4	17.47	349324	20.0
4H-Cyclopenta[def...	18.54	6.5	ng/ul	114184	4	17.47	349324	20.0
9,10-Anthracenedione	18.88	5.5	ng/ul	96067	4	17.47	349324	20.0
5H-Benzo[def]carb...	20.25	3.2	ng/ul	79756	5	21.74	505462	20.0
5(4H)-Thebenidinone	22.37	5.1	ng/ul	127880	5	21.74	505462	20.0