LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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	3.116	44	47	56	rVB3	8465	16912	1.28%	0.185%
2	3.192	56	60	66	rVB	7586	10028	0.76%	0.110%
3	8.092	888	894	902	rBB	52971	87774	6.66%	0.960%
4	10.913	1365	1374	1377	rBV	79488	141917	10.77%	1.552%
5	10.960	1377	1382	1391	rVB	231419	409454	31.07%	4.479%
6	12.558	1647	1654	1663	rBV	156147	248898	18.89%	2.723%
7	12.775	1680	1691	1699	rBB	79127	132327	10.04%	1.448%
8	13.557	1818	1824	1832	rBV	50728	75504	5.73%	0.826%
9	13.756	1852	1858	1867	rVB	20055	32826	2.49%	0.359%
10	13.886	1874	1880	1882	rBV	29418	46837	3.55%	0.512%
11	14.044	1900	1907	1912	rBV3	40439	73600	5.59%	0.805%
12	14.097	1912	1916	1925	rVB2	27374	47787	3.63%	0.523%
13	14.279	1943	1947	1952	rBV	16428	26743	2.03%	0.293%
14	14.444	1966	1975	1982	rBB4	12367	24850	1.89%	0.272%
15	14.691	2013	2017	2019	rBV	25130	34843	2.64%	0.381%
16	14.726	2019	2023	2028	rVV2	151237	231589	17.57%	2.533%
17	14.791	2028	2034	2041	rVV	294059	447719	33.98%	4.898%
18	14.855	2041	2045	2050	rVV2	7265	10319	0.78%	0.113%
19	14.926	2052	2057	2067	rVB3	6414	14282	1.08%	0.156%
20	15.031	2067	2075	2080	rBV2	11991	18002	1.37%	0.197%
21	15.120	2084	2090	2098	rVV	192226	298771	22.67%	3.268%
22	15.190	2098	2102	2108	rVB2	8799	12650	0.96%	0.138%
23	15.331	2121	2126	2132	rBV3	6468	11195	0.85%	0.122%
24	15.390	2132	2136	2142	rVB2	7084	10576	0.80%	0.116%
25	15.507	2150	2156	2159	rBV2	5302	9637	0.73%	0.105%
26	15.684	2182	2186	2188	rVV3	5952	8265	0.63%	0.090%
27	15.713	2188	2191	2195	rVV3	6839	9940	0.75%	0.109%
28	15.772	2195	2201	2210	rVV	287397	429810	32.62%	4.702%
29	15.866	2210	2217	2219	rVV3	12101	20150	1.53%	0.220%
30	15.895	2219	2222	2224	rVV	21989	29218	2.22%	0.320%
31	15.930	2224	2228	2233	rVV2	40114	64561	4.90%	0.706%
32	15.977	2233	2236	2239	rVV2	7790	11790	0.89%	0.129%
33	16.018	2239	2243	2246	rVV	19694	29453	2.24%	0.322%
34	16.060	2246	2250	2257	rVB	42904	63722	4.84%	0.697%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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	16.206	2269	2275	2284	rVB	45950	91946	6.98%	1.006%
36	16.301	2288	2291	2297	rVB2	7075	10023	0.76%	0.110%
37	16.559	2331	2335	2341	rVB	25948	37573	2.85%	0.411%
38	16.771	2360	2371	2376	rBV3	35281	75363	5.72%	0.824%
39	16.823	2376	2380	2385	rBV5	11463	16188	1.23%	0.177%
40	16.917	2391	2396	2402	rVB3	13285	24036	1.82%	0.263%
41	16.982	2402	2407	2408	rBV2	7585	11568	0.88%	0.127%
42	17.035	2413	2416	2420	rBV3	10469	12649	0.96%	0.138%
43	17.123	2425	2431	2436	rVB5	3698	8472	0.64%	0.093%
44	17.199	2438	2444	2446	rBV3	14188	24340	1.85%	0.266%
45	17.288	2454	2459	2467	rVB	57741	86045	6.53%	0.941%
46	17.470	2484	2490	2493	rBV	203947	308344	23.40%	3.373%
47	17.517	2493	2498	2504	rVV	876298	1317732	100.00%	14.415%
48	17.570	2504	2507	2509	rVV2	16227	22823	1.73%	0.250%
49	17.605	2509	2513	2517	rVV	70296	103181	7.83%	1.129%
50	17.658	2517	2522	2527	rVV4	5550	11044	0.84%	0.121%
51	17.869	2553	2558	2569	rBV	29534	53393	4.05%	0.584%
52	17.987	2574	2578	2584	rVV2	12399	19535	1.48%	0.214%
53	18.046	2586	2588	2598	rVB7	5773	12230	0.93%	0.134%
54	18.192	2608	2613	2622	rVB2	5924	13726	1.04%	0.150%
55	18.345	2634	2639	2643	rVV	64095	95975	7.28%	1.050%
56	18.392	2643	2647	2653	rVV	87206	123346	9.36%	1.349%
57	18.474	2653	2661	2666	rVV	28004	44321	3.36%	0.485%
58	18.545	2666	2673	2677	rVV2	107286	197879	15.02%	2.165%
59	18.574	2677	2678	2684	rVB	32077	26133	1.98%	0.286%
60	18.839	2717	2723	2730	rBV	49178	66561	5.05%	0.728%
61	19.080	2760	2764	2768	rVV2	9890	11996	0.91%	0.131%
62	19.132	2768	2773	2776	rBV	8067	9530	0.72%	0.104%
63	19.168	2776	2779	2784	rVB3	7268	8265	0.63%	0.090%
64	19.244	2788	2792	2799	rBV	16162	30797	2.34%	0.337%
65	19.320	2799	2805	2808	rVV3	8649	17184	1.30%	0.188%
66	19.520	2832	2839	2845	rBV	513477	739090	56.09%	8.085%
67	19.608	2851	2854	2858	rVB3	9243	11176	0.85%	0.122%
68	19.761	2873	2880	2888	rVB2	13310	23325	1.77%	0.255%
69	19.849	2888	2895	2896	rBV2	101556	141245	10.72%	1.545%
70	19.879	2896	2900	2908	rVB	299571	458635	34.80%	5.017%
71	19.943	2908	2911	2917	rVB	19153	27727	2.10%	0.303%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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	20.055	2924	2930	2936	rVB	19310	27712	2.10%	0.303%
73	20.196	2948	2954	2955	rBV3	19906	30906	2.35%	0.338%
74	20.255	2961	2964	2969	rVB	7262	9751	0.74%	0.107%
75	20.331	2969	2977	2978	rBV2	10868	16045	1.22%	0.176%
76	20.366	2978	2983	2988	rVB2	69973	102122	7.75%	1.117%
77	20.466	2995	3000	3004	rBV	82384	105620	8.02%	1.155%
78	20.525	3004	3010	3013	rVV4	20649	42416	3.22%	0.464%
79	20.560	3013	3016	3020	rVV	13898	18484	1.40%	0.202%
80	20.601	3020	3023	3027	rVV4	6036	8146	0.62%	0.089%
81	20.666	3030	3034	3037	rBV2	7414	9549	0.72%	0.104%
82	20.707	3037	3041	3045	rVB3	9635	13232	1.00%	0.145%
83	20.895	3068	3073	3077	rBV2	10811	17210	1.31%	0.188%
84	20.960	3081	3084	3087	rVV6	6164	9853	0.75%	0.108%
85	21.001	3087	3091	3098	rVV5	6778	15221	1.16%	0.167%
86	21.083	3101	3105	3112	rVV4	7958	16836	1.28%	0.184%
87	21.318	3141	3145	3149	rBV	14728	21200	1.61%	0.232%
88	21.359	3149	3152	3157	rVV	14618	21893	1.66%	0.239%
89	21.418	3157	3162	3166	rVV3	12258	22596	1.71%	0.247%
90	21.600	3189	3193	3200	rVB2	4068	8253	0.63%	0.090%
91	21.741	3204	3217	3223	rBV2	279348	596375	45.26%	6.524%
92	21.788	3223	3225	3233	rVB	60477	92004	6.98%	1.006%
93	21.941	3246	3251	3259	rVV	12203	22748	1.73%	0.249%
94	22.158	3282	3288	3295	rVB3	6590	14640	1.11%	0.160%
95	22.481	3336	3343	3350	rVV	6496	14199	1.08%	0.155%
96	22.805	3396	3398	3406	rVB6	4730	9440	0.72%	0.103%
97	23.980	3591	3598	3604	rBV2	14067	40865	3.10%	0.447%
98	24.708	3716	3722	3728	rBV2	5423	11300	0.86%	0.124%
99	24.867	3741	3749	3754	rVV2	7696	19269	1.46%	0.211%
100	25.020	3764	3775	3787	rBV	123808	367964	27.92%	4.025%

Sum of corrected areas: 9141194

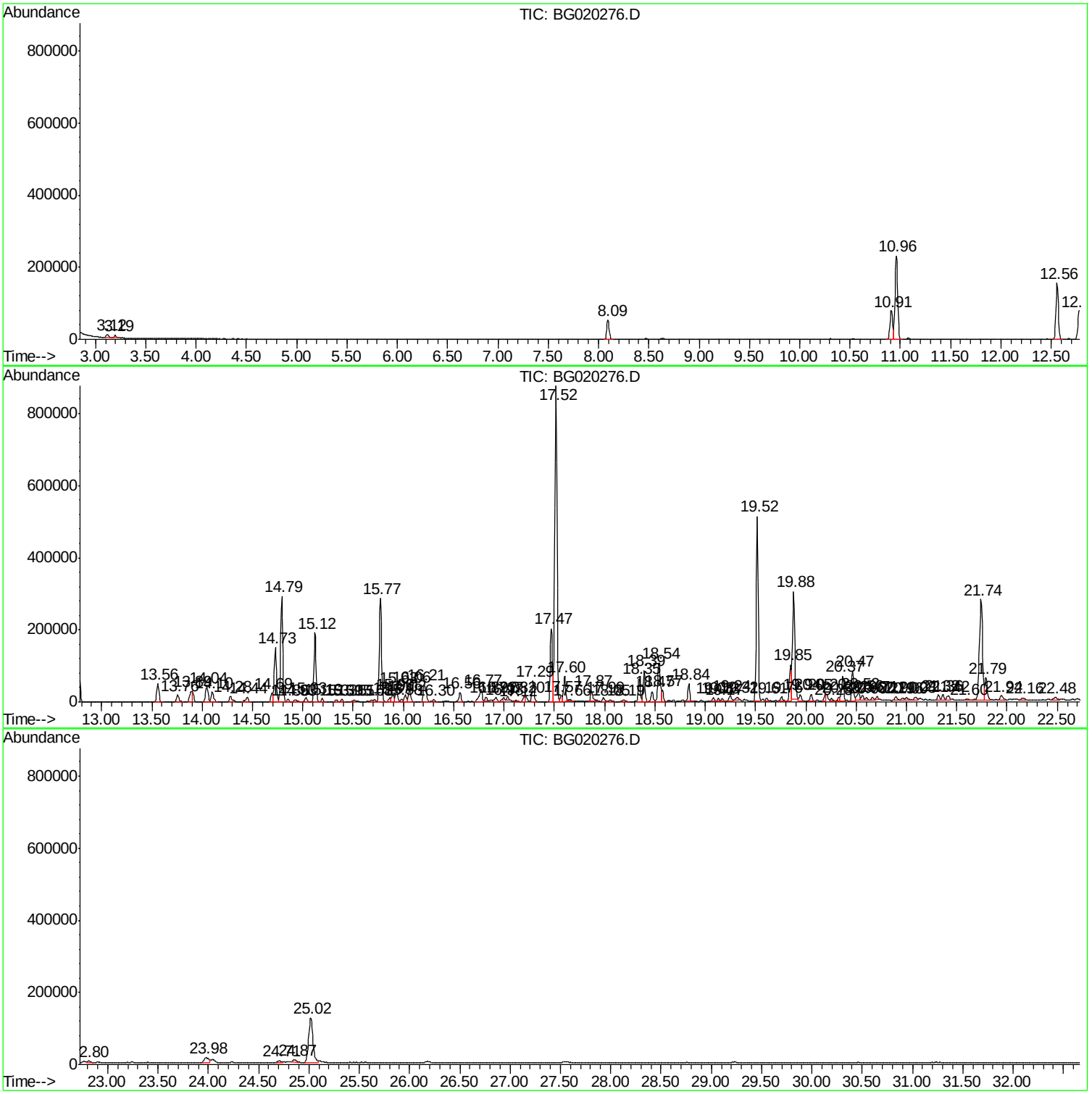
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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 : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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

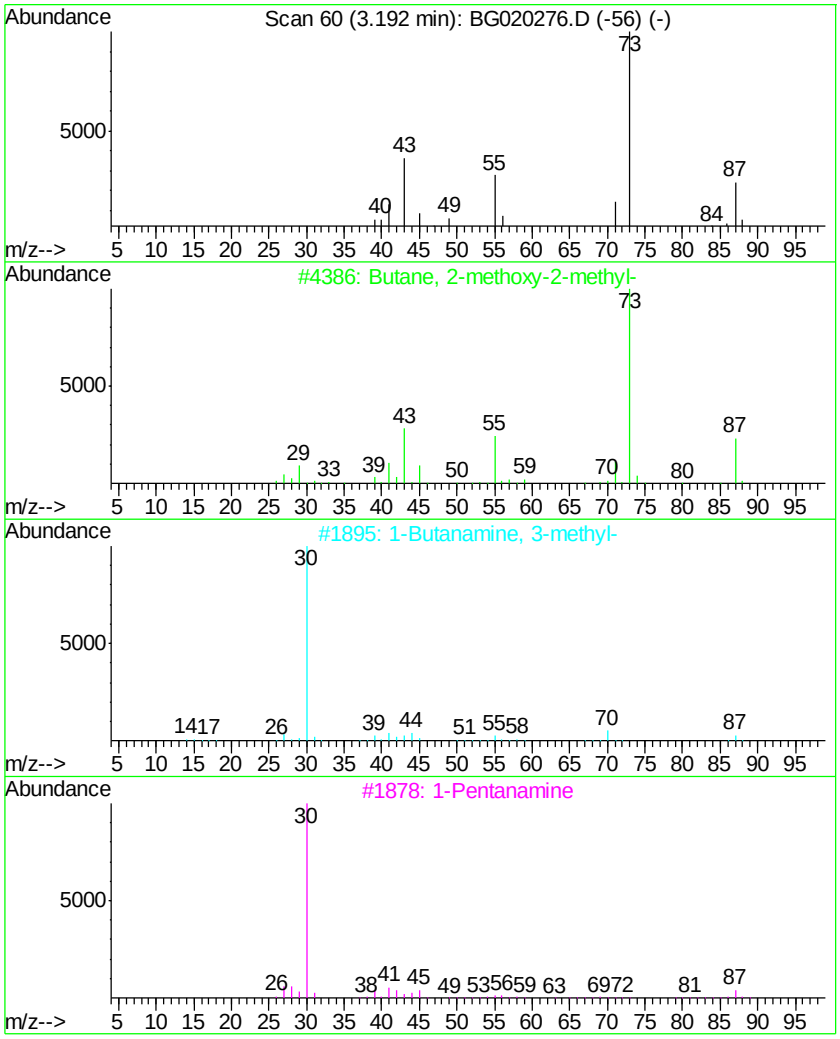
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

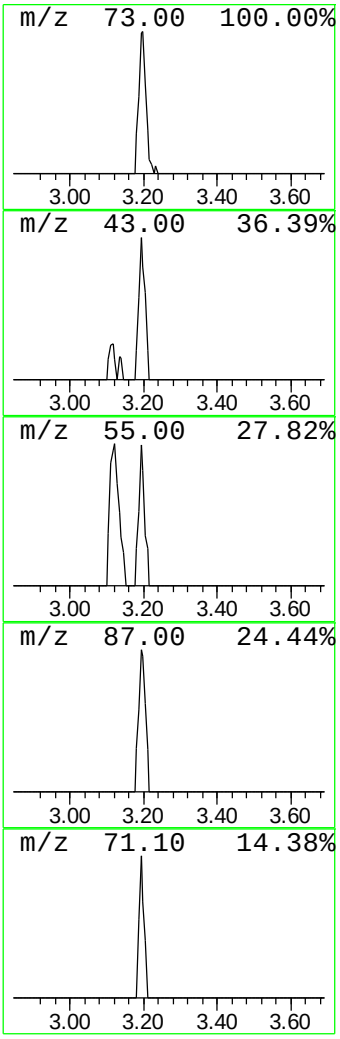
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	2.28 ng/ul	10028	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	45
2	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	4
3	1-Pentanamine	87	C5H13N	000110-58-7	4
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	4
5	N-Ethylformamide	73	C3H7NO	000627-45-2	4





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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

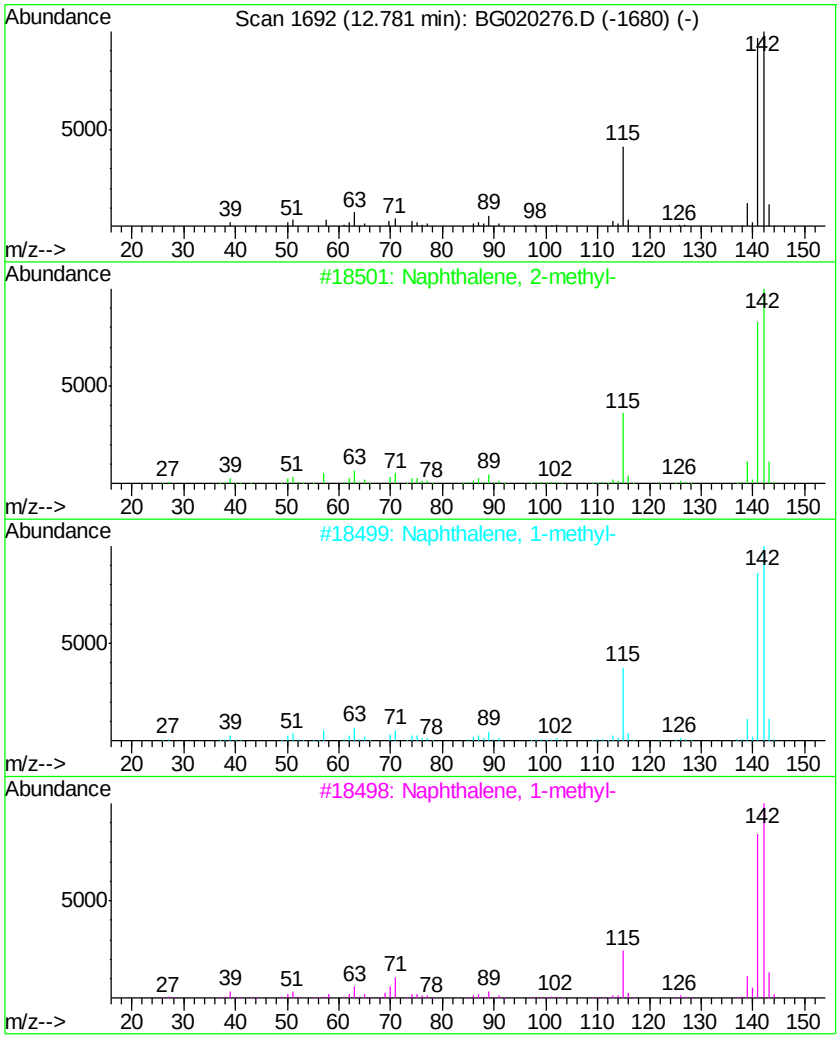
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

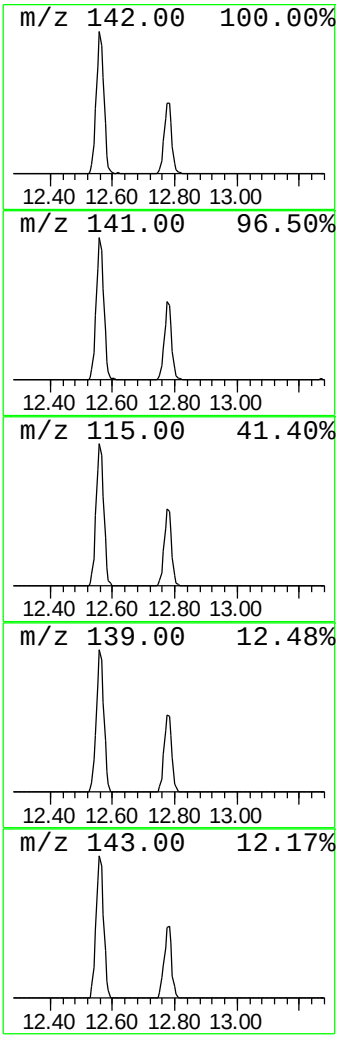
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	18.65 ng/ul	132327	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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

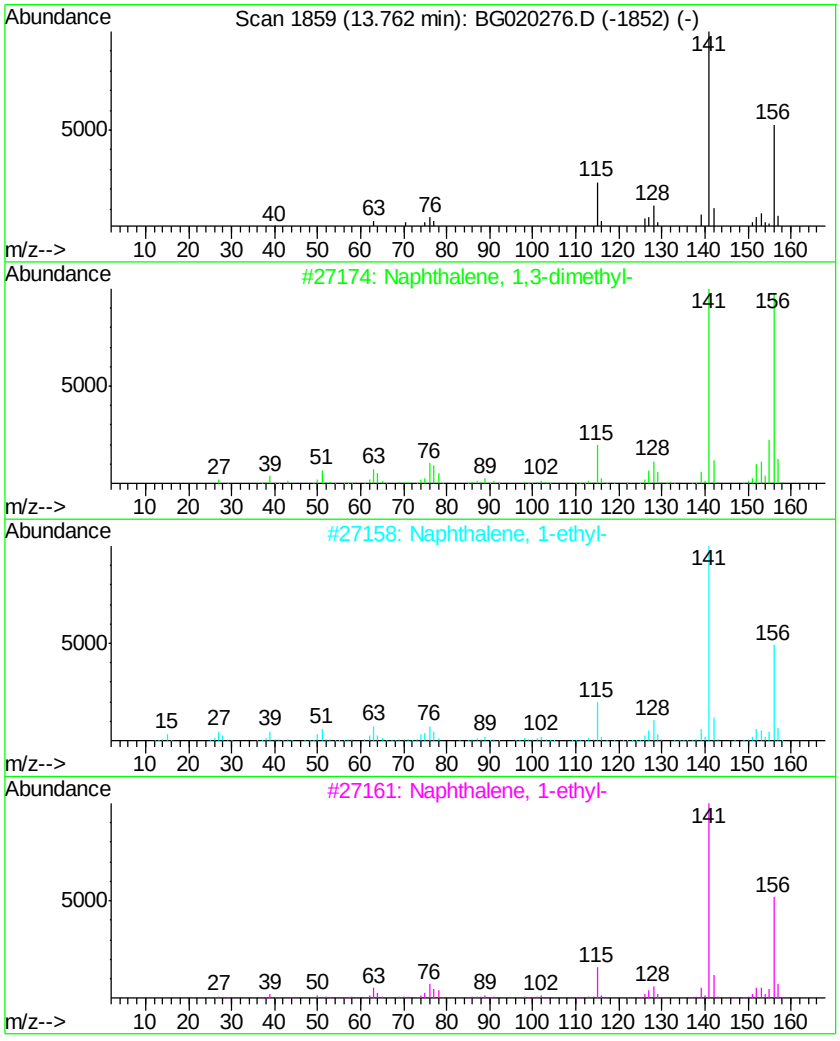
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

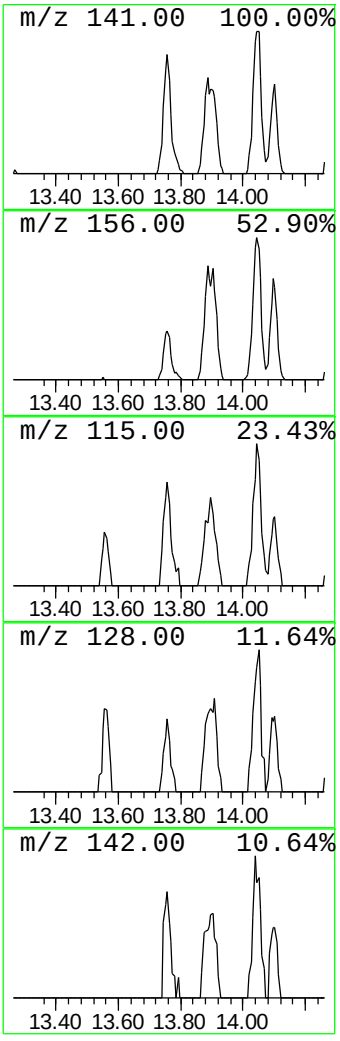
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.83 ng/ul	32826	Acenaphthene-d10	14.73

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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

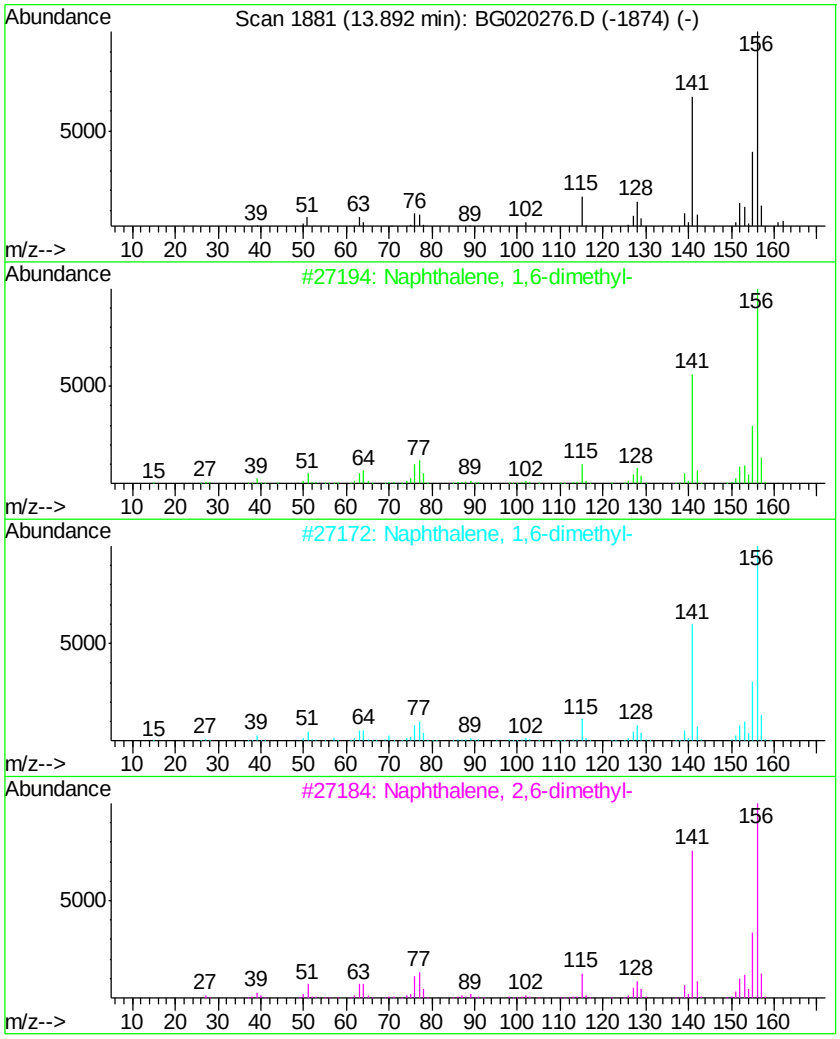
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

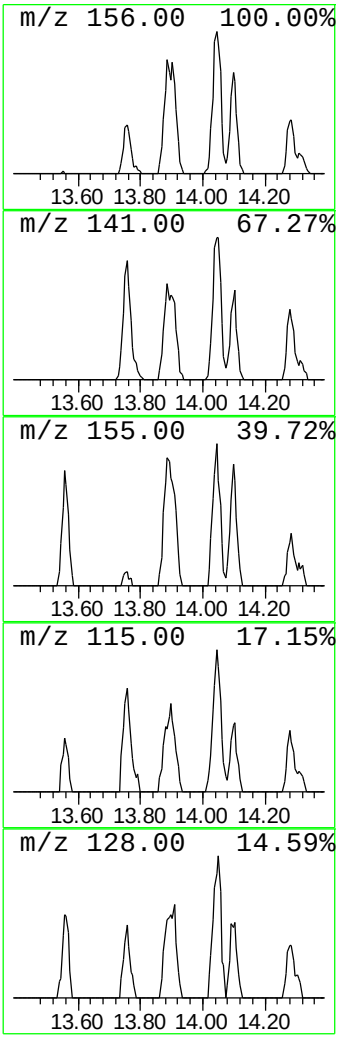
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	4.04 ng/ul	46837	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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

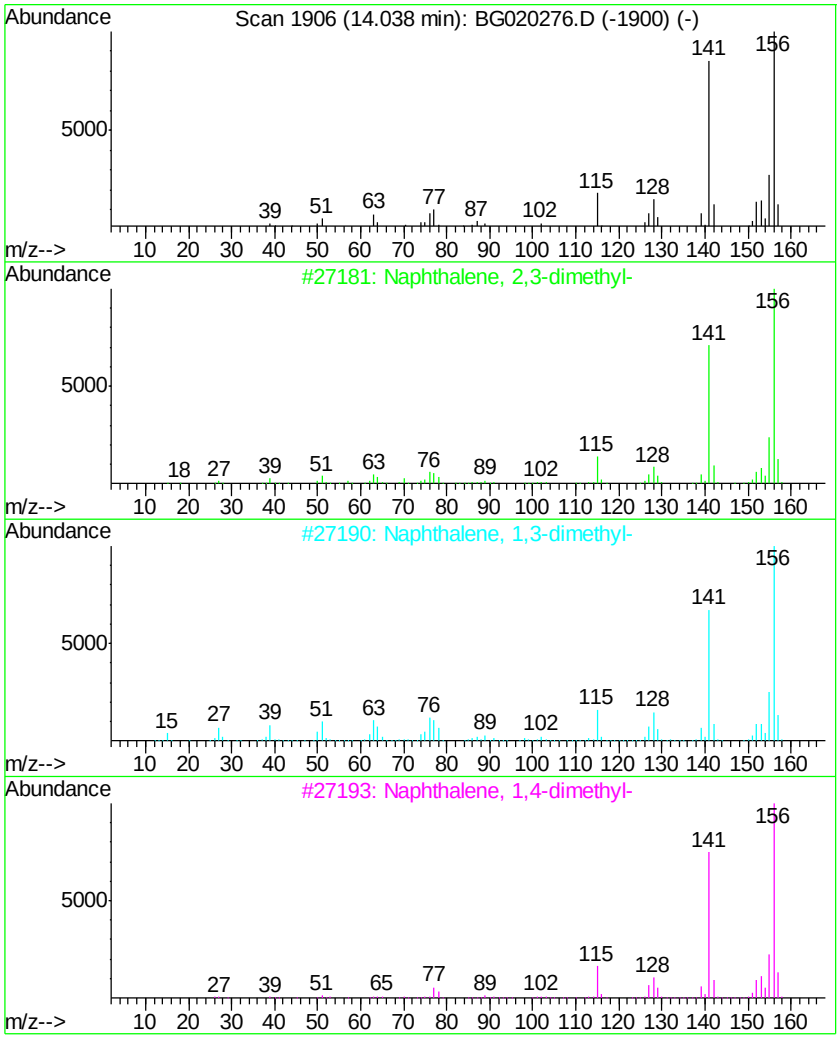
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

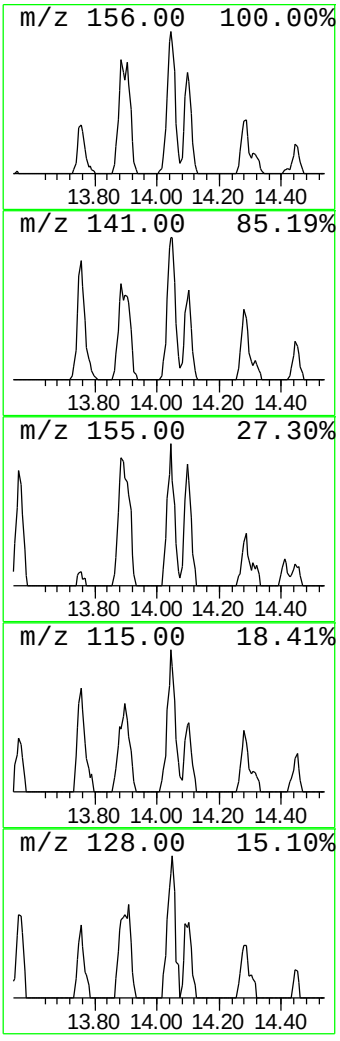
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	6.36 ng/ul	73600	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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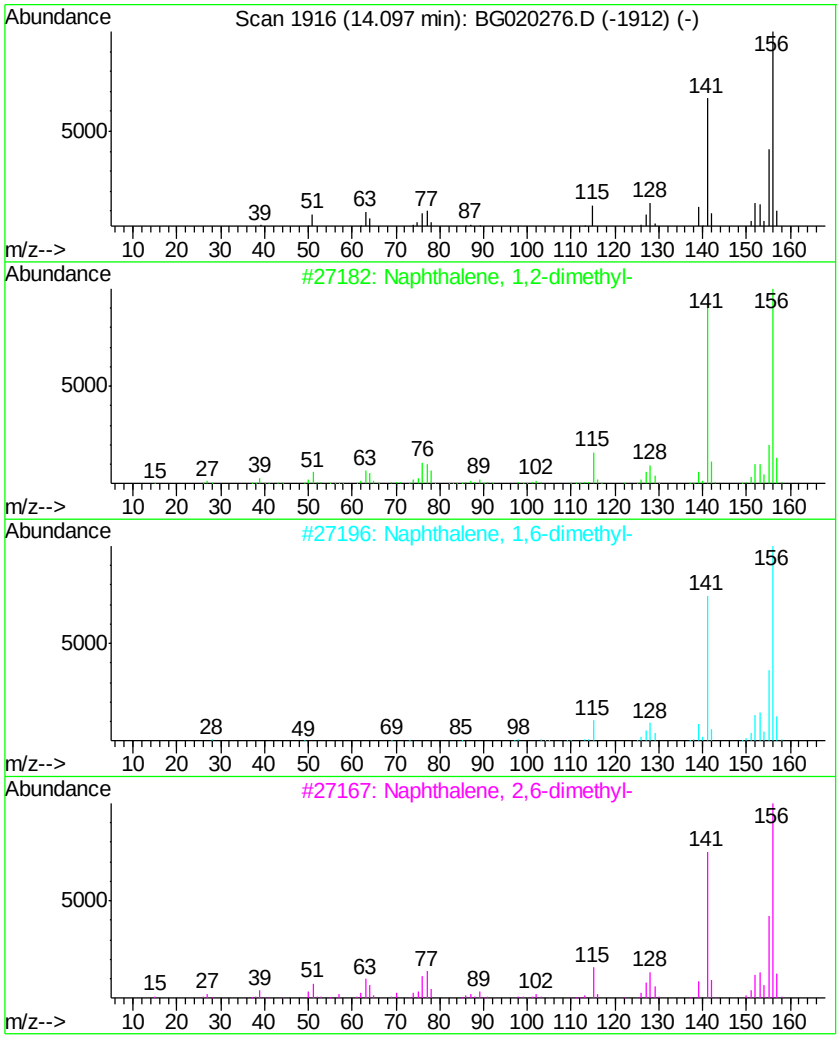
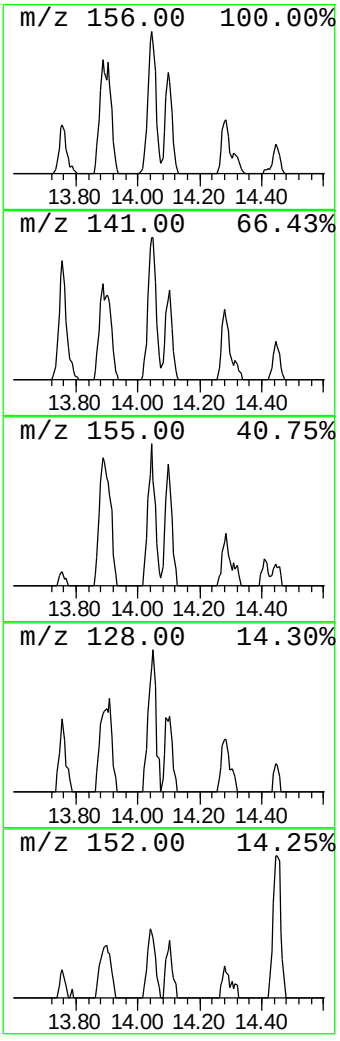
Peak Number 7 Naphthalene, 1,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	4.13 ng/ul	47787	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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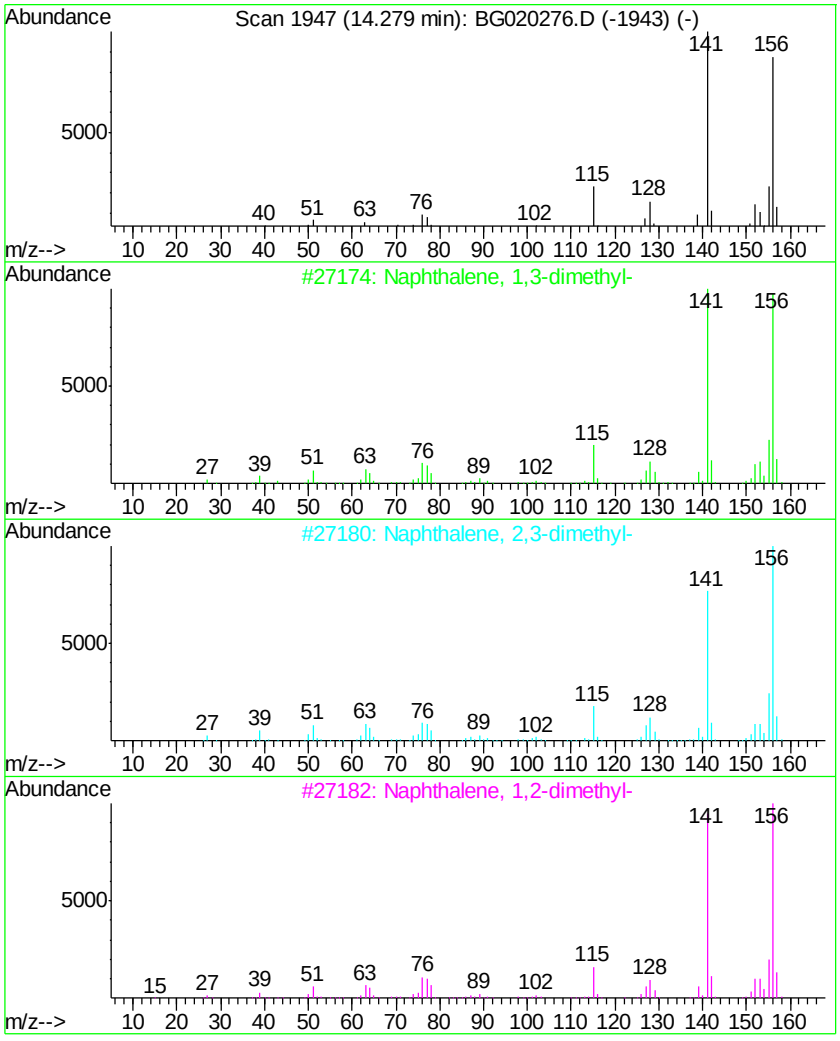
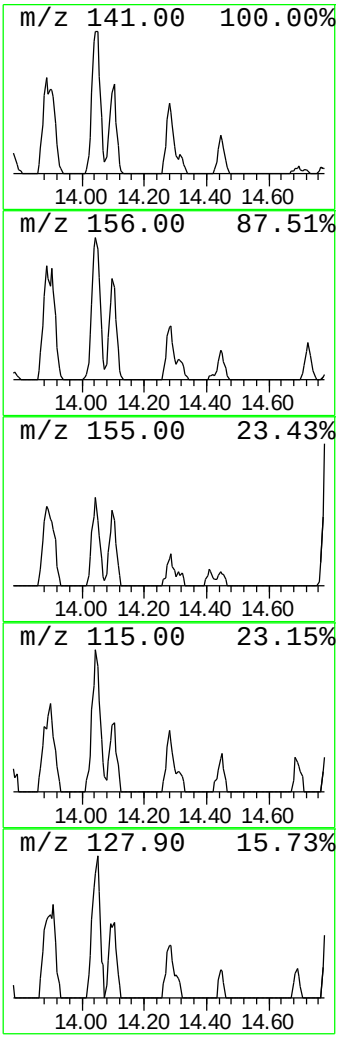
Peak Number 8 Naphthalene, 1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.31 ng/ul	26743	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





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Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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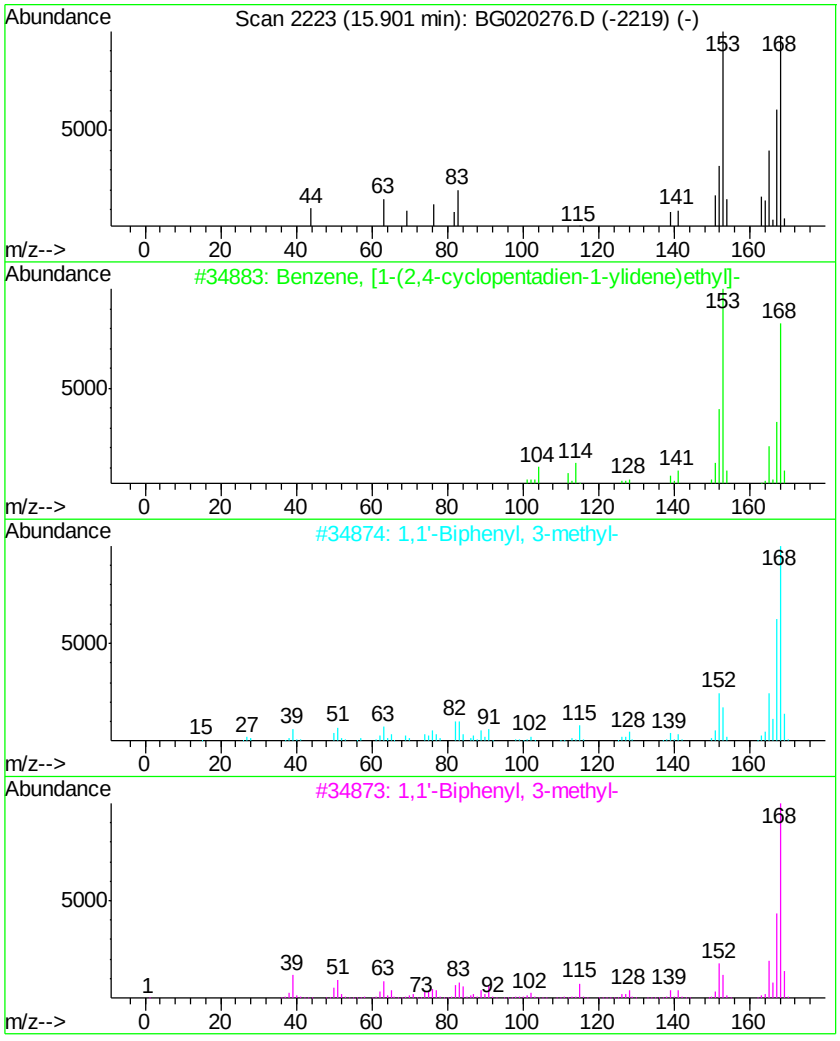
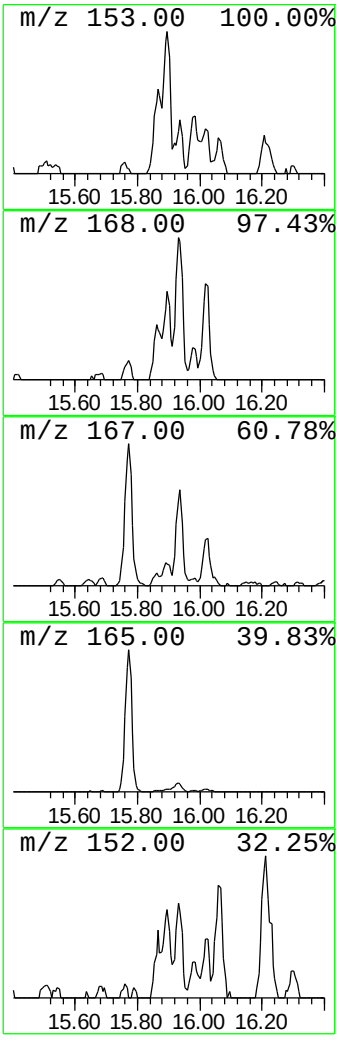
Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.52 ng/ul	29218	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	46
5	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	46





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Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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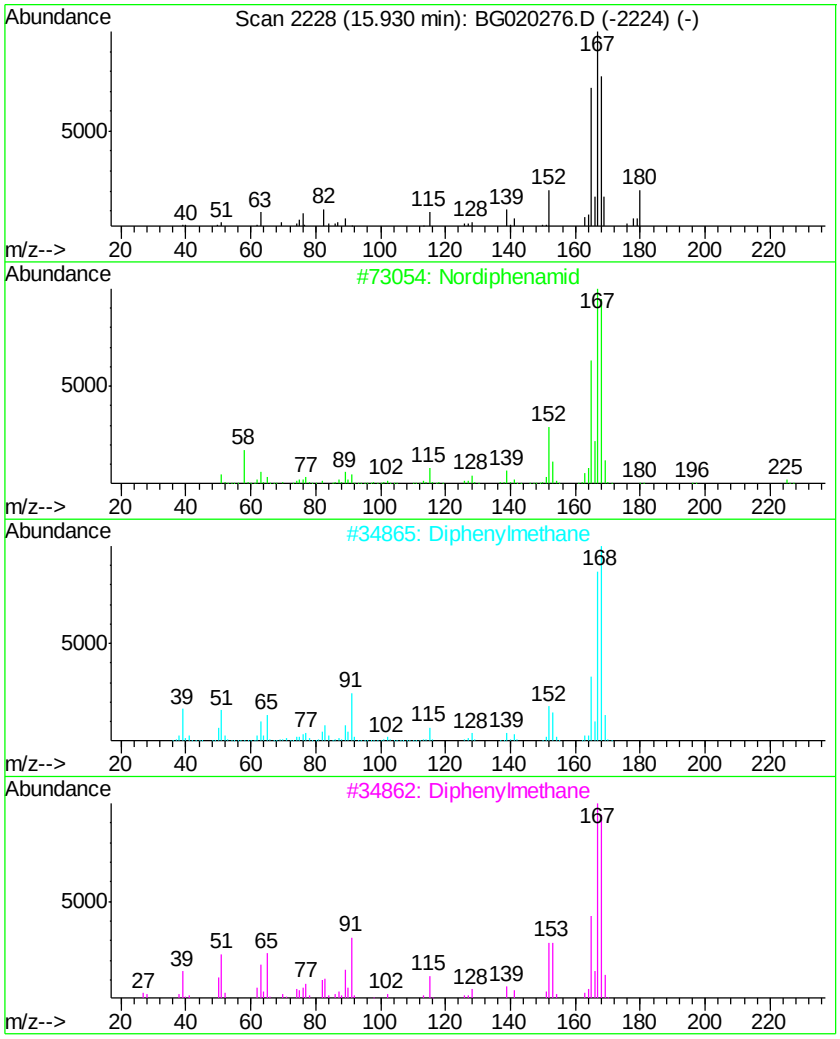
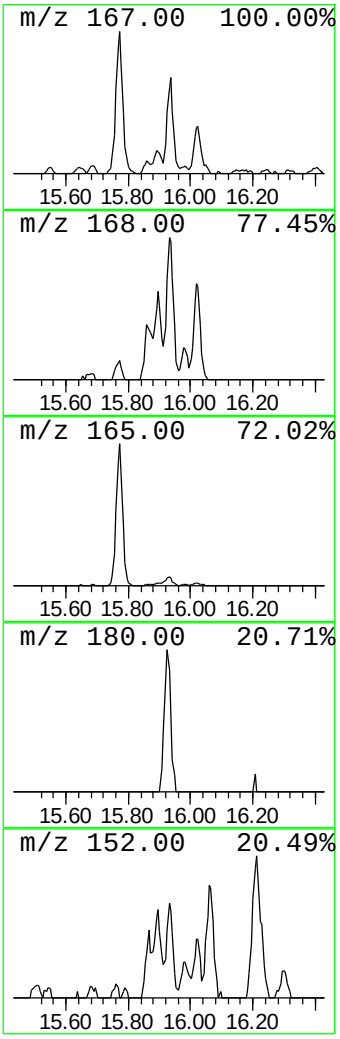
Peak Number 11 Nordiphenamid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.58 ng/ul	64561	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	80
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	Diphenylmethane	168	C13H12	000101-81-5	58
4	Diphenylmethane	168	C13H12	000101-81-5	53
5	Diphenylmethane	168	C13H12	000101-81-5	53





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Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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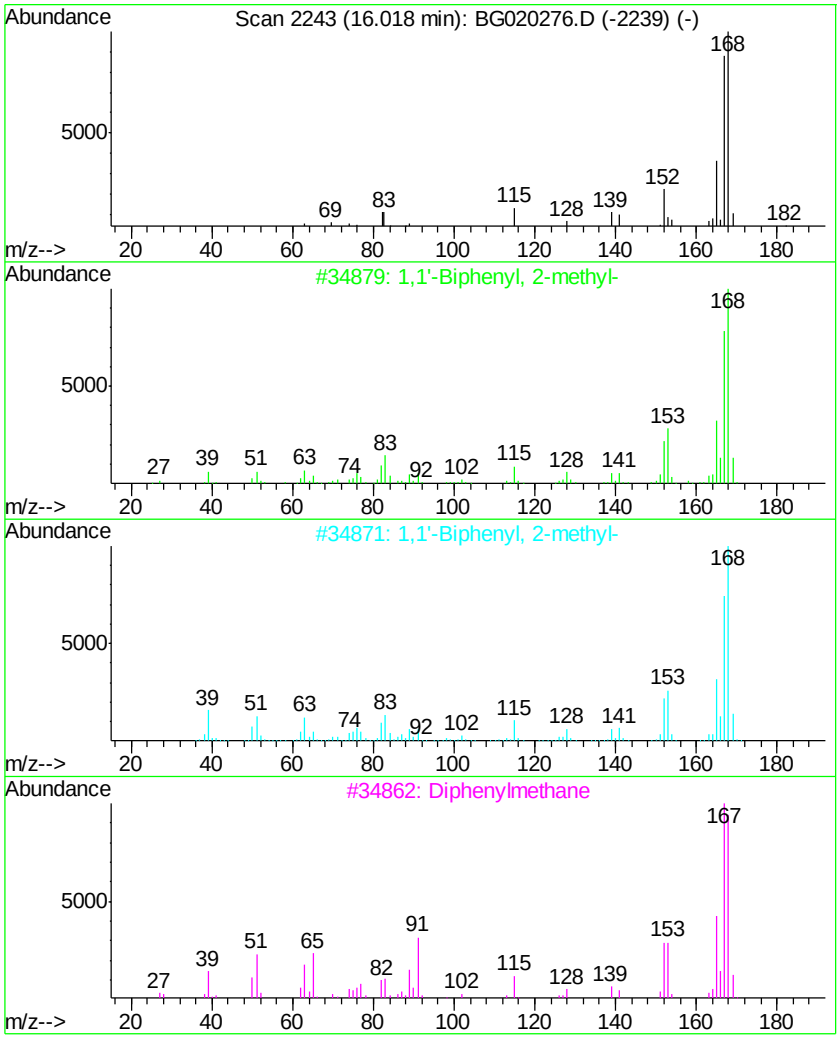
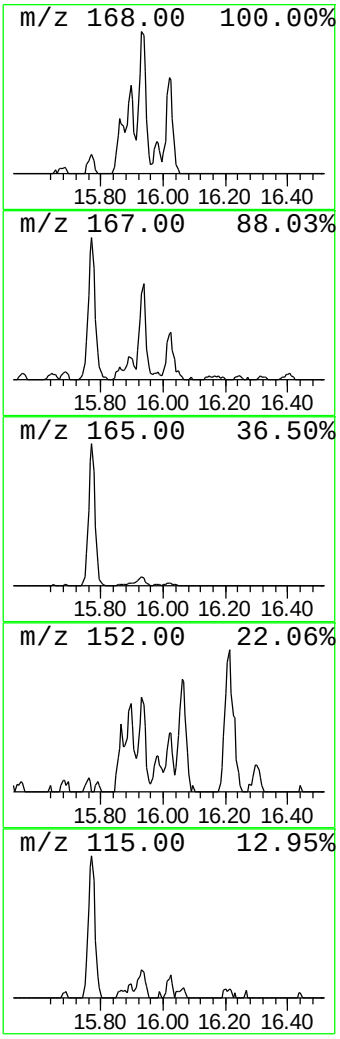
Peak Number 12 1,1'-Biphenyl, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	2.54 ng/ul	29453	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	Nordiphenamid	225	C15H15NO	000954-21-2	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





Library Search Compound Report

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Data File : BG020276.D
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Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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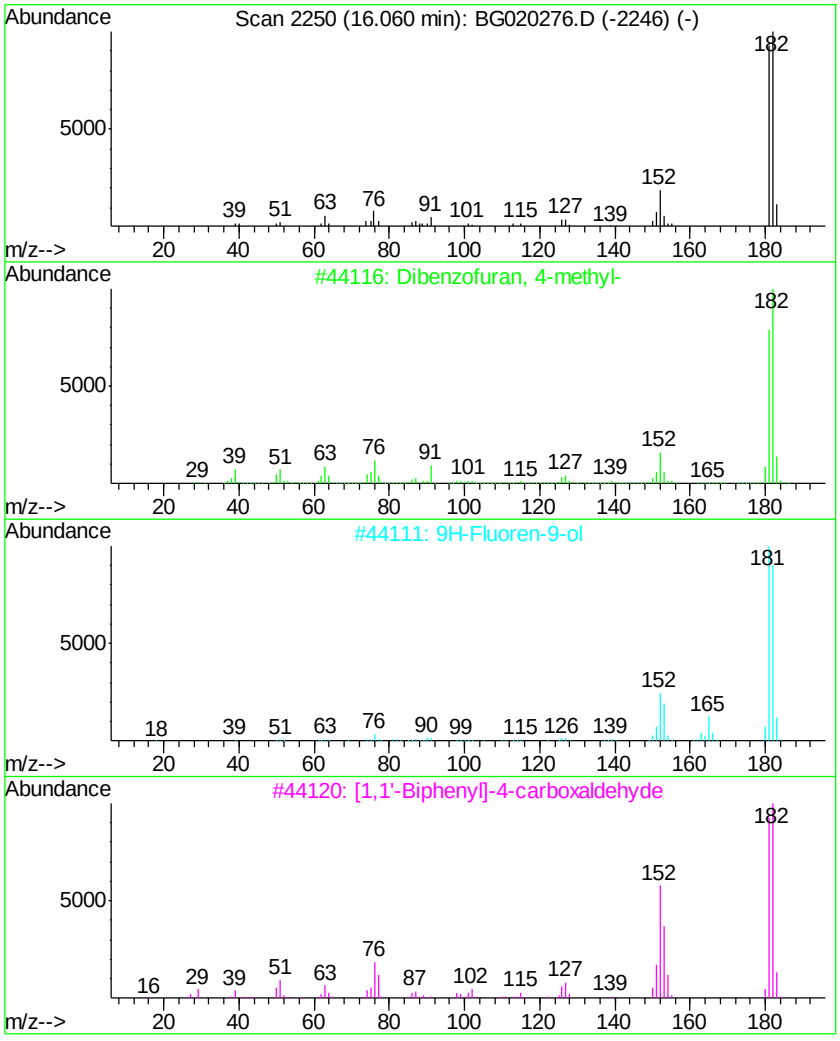
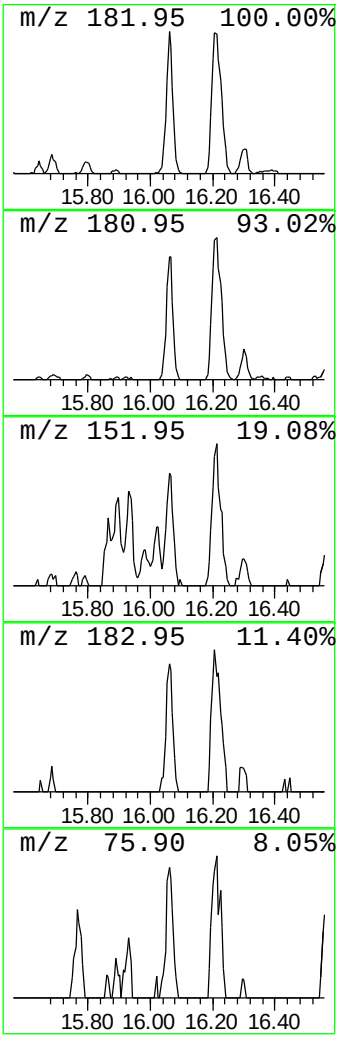
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	5.50 ng/ul	63722	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58





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Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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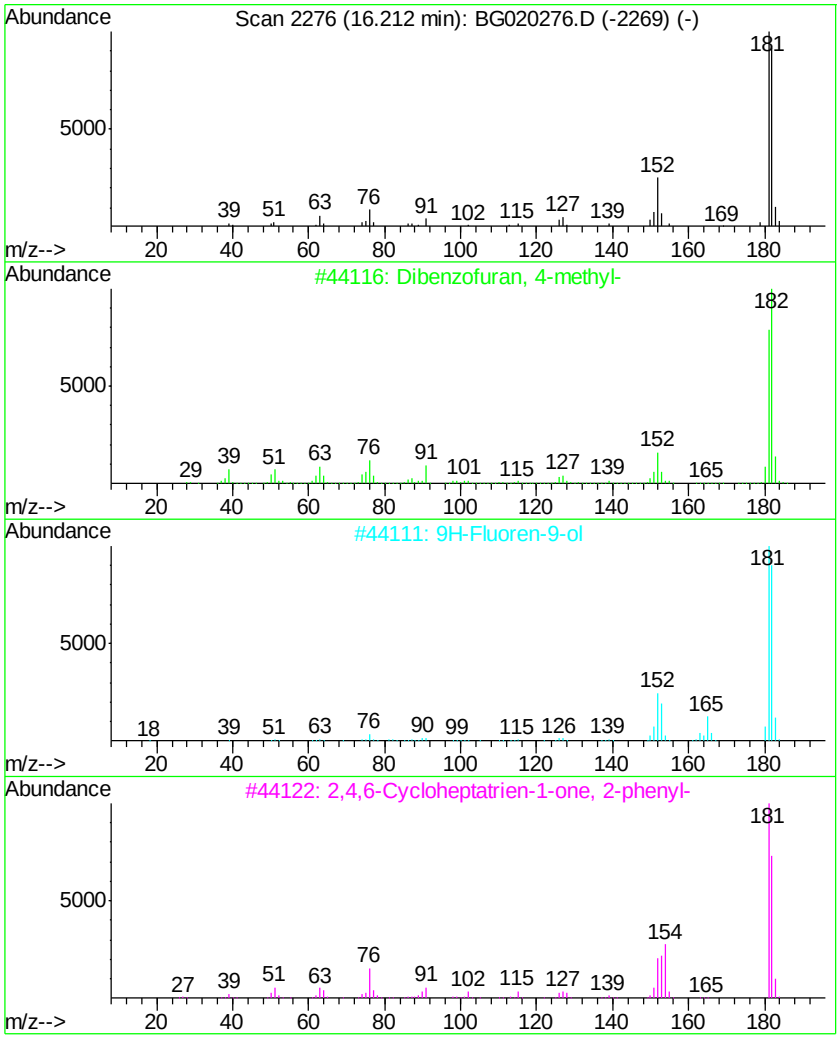
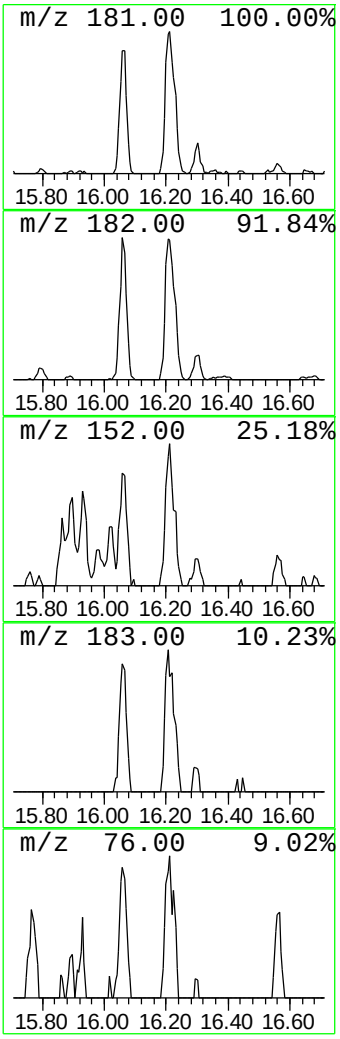
Peak Number 14 9H-Fluoren-9-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	5.96 ng/ul	91946	Phenanthrene-d10	17.47

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	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	72





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Data File : BG020276.D
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Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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Quant Title : SVOA CALIBRATION

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

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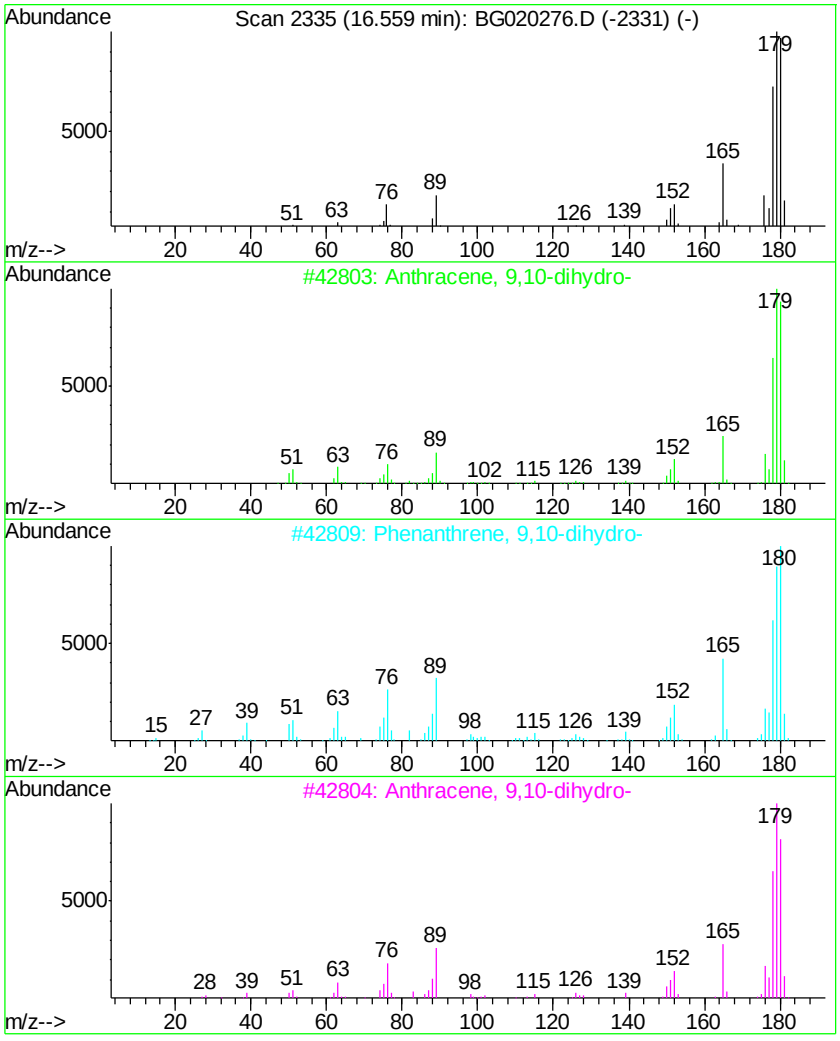
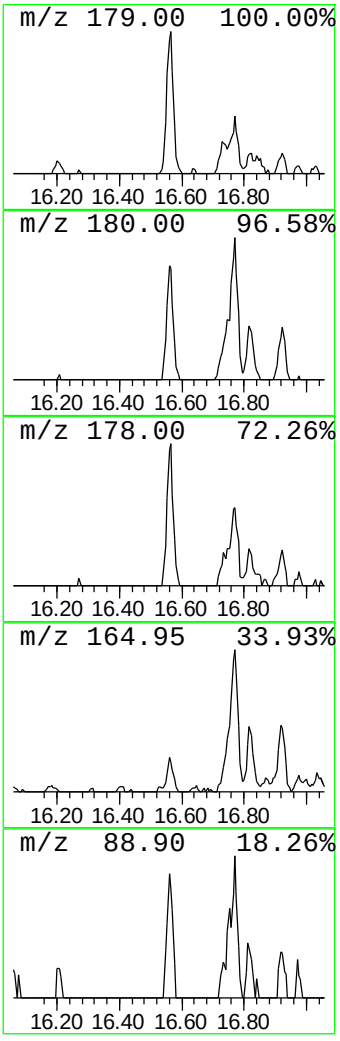
Peak Number 15 Anthracene, 9,10-dihydro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	2.44 ng/ul	37573	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	95
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	89





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Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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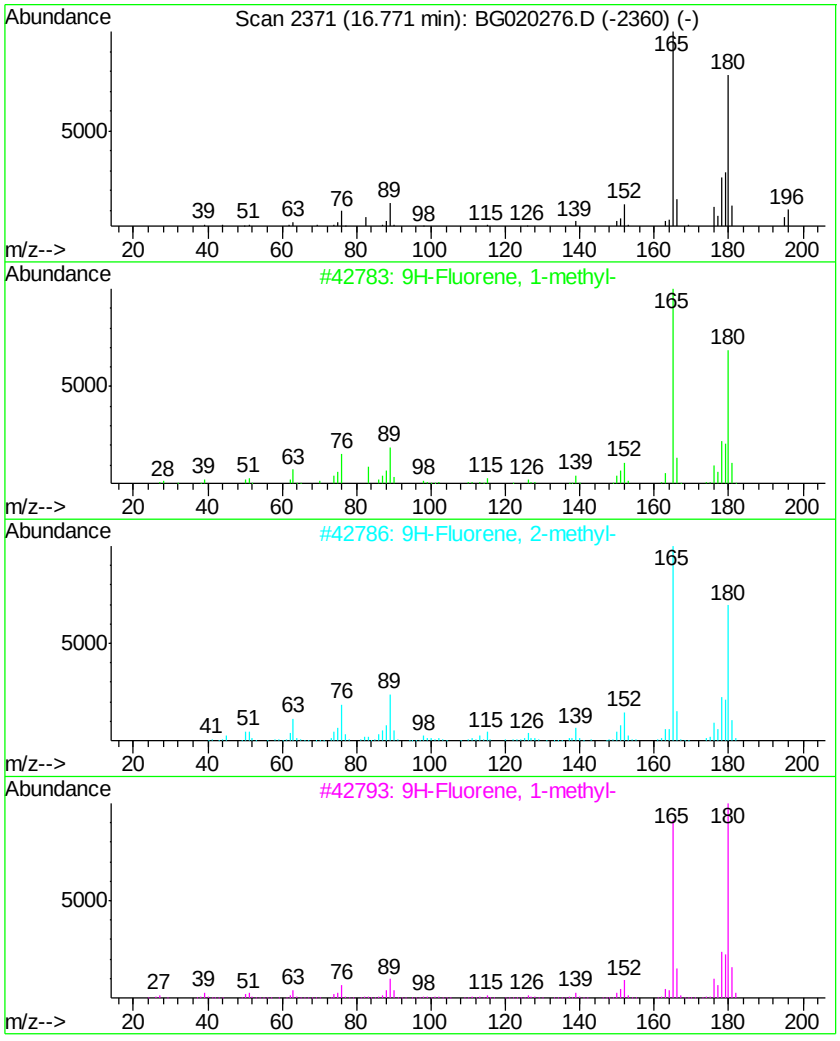
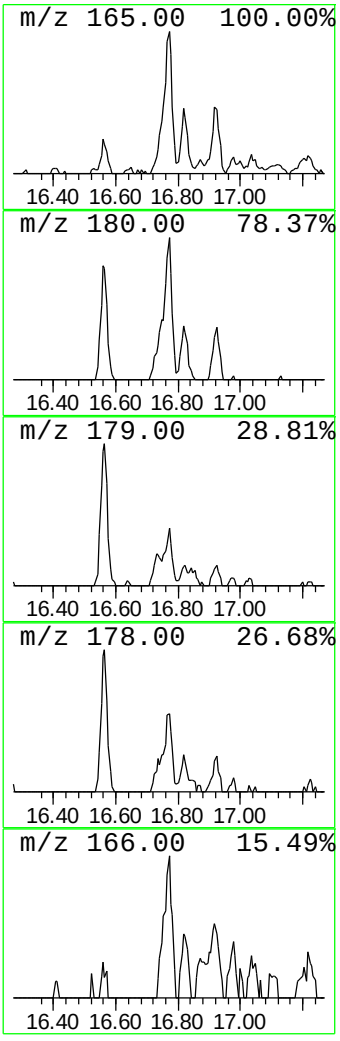
Peak Number 16 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.89 ng/ul	75363	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87





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Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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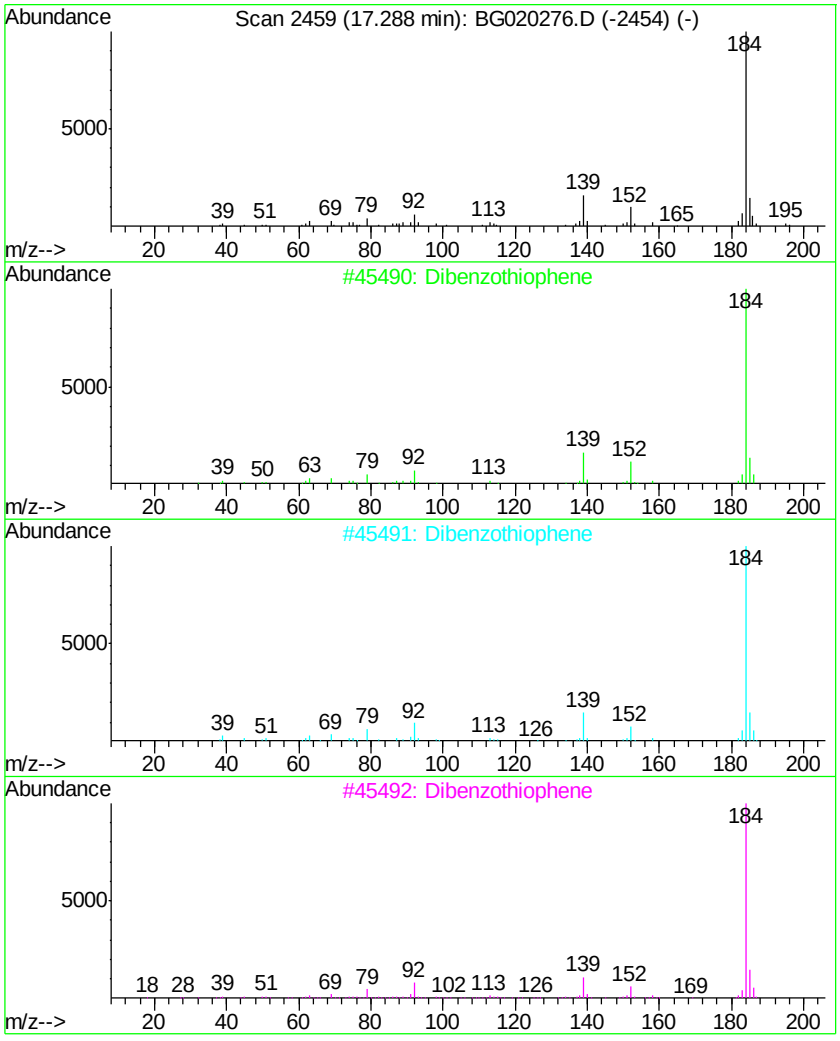
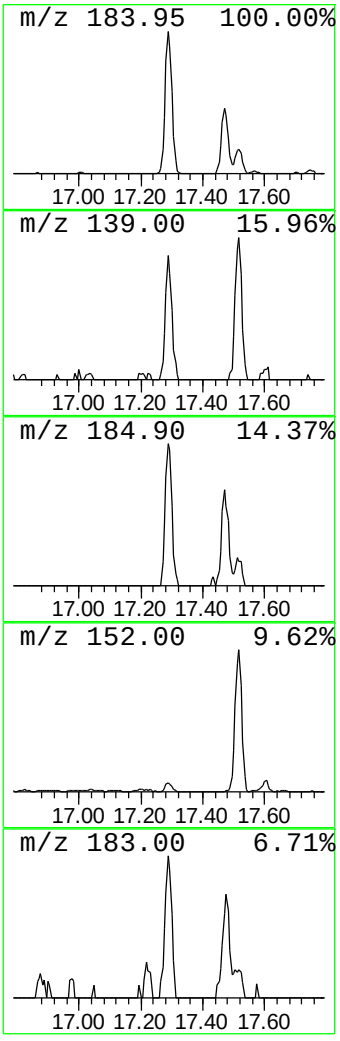
Peak Number 17 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	5.58 ng/ul	86045	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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Quant Title : SVOA CALIBRATION

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

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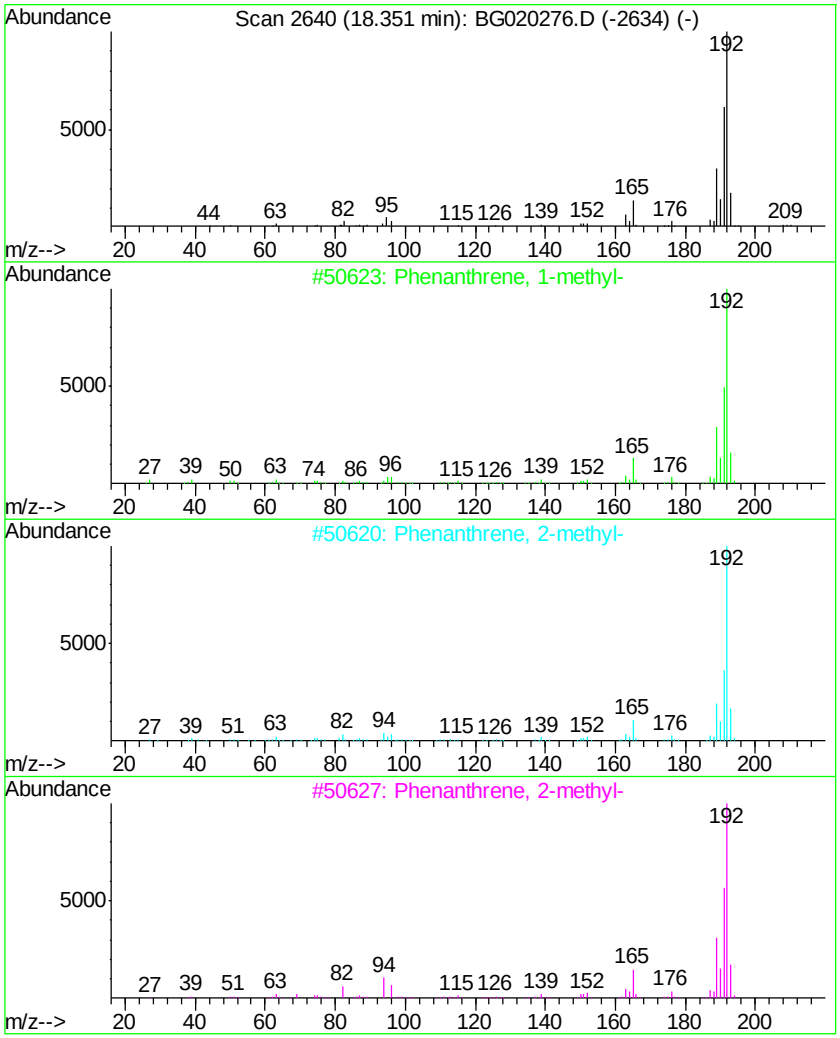
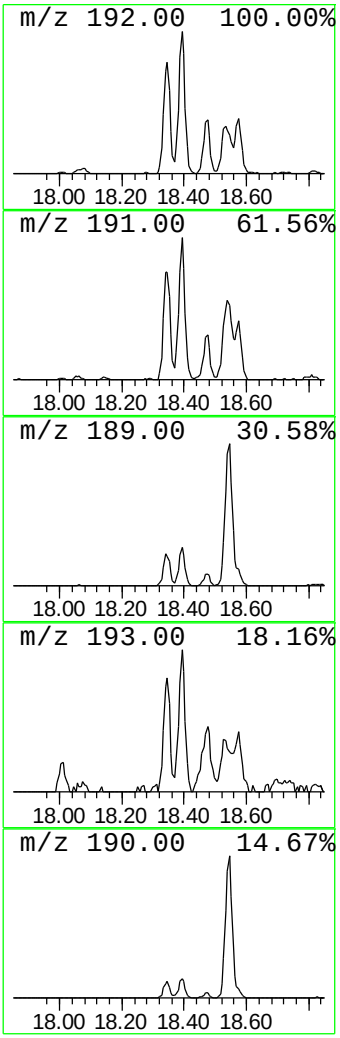
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	6.23 ng/ul	95975	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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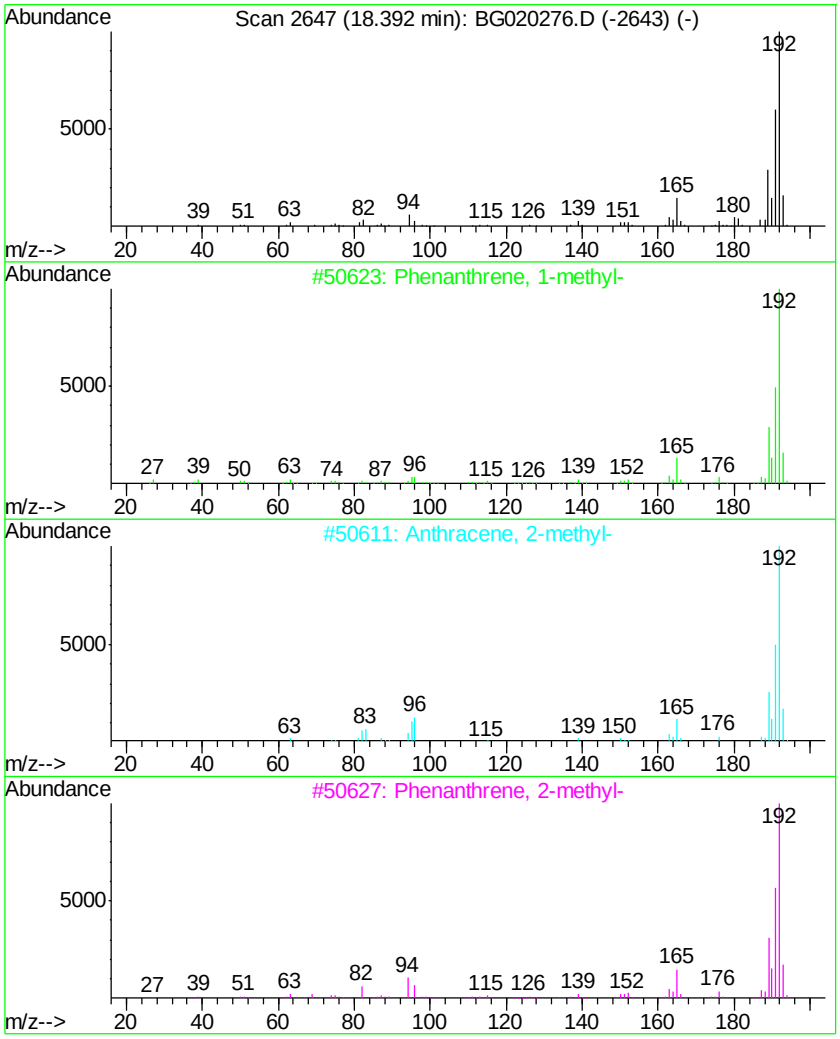
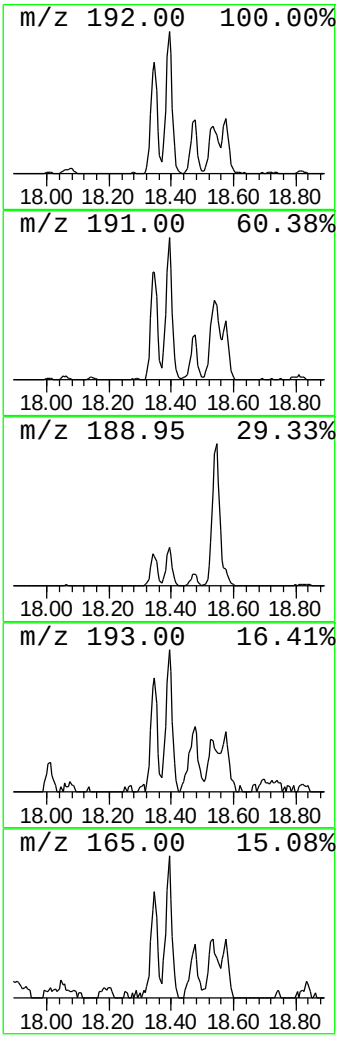
Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	8.00 ng/ul	123346	Phenanthrene-d10	17.47

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





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Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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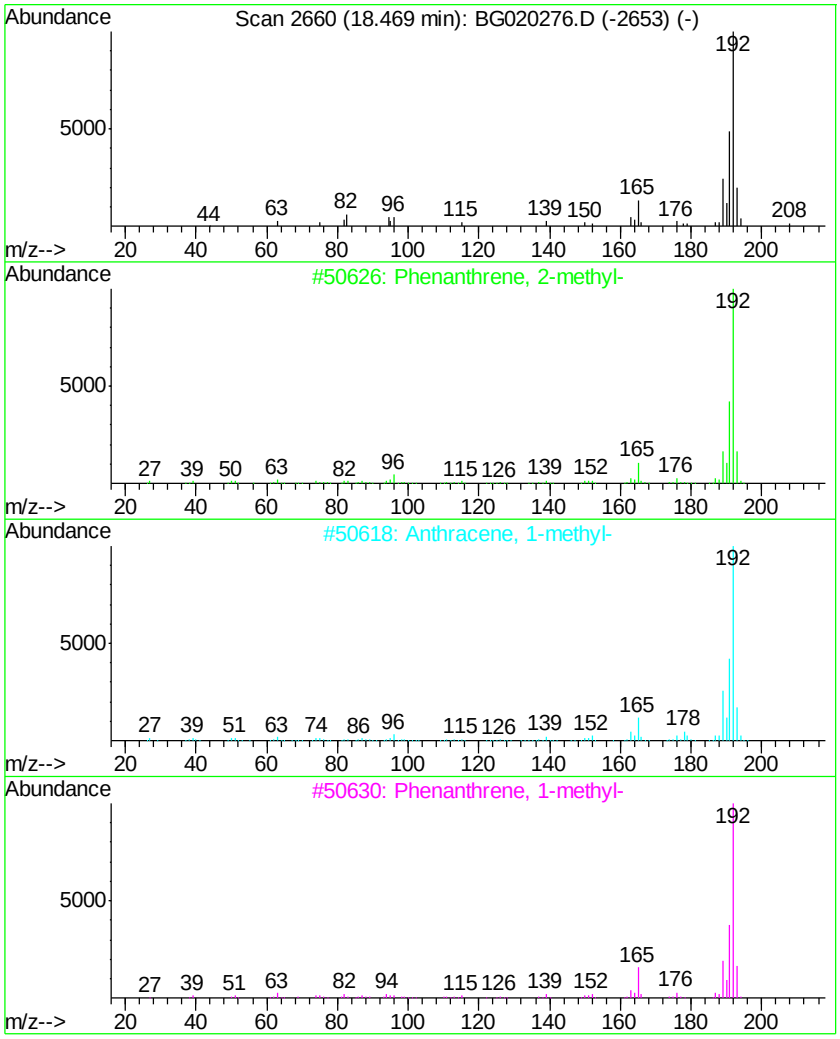
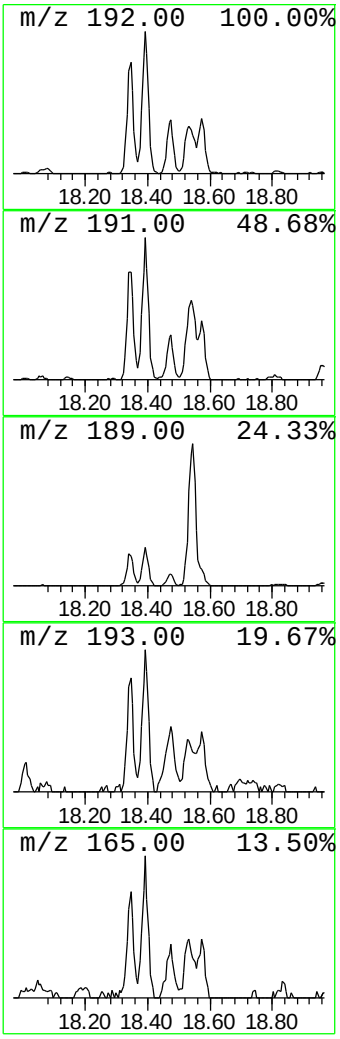
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.87 ng/ul	44321	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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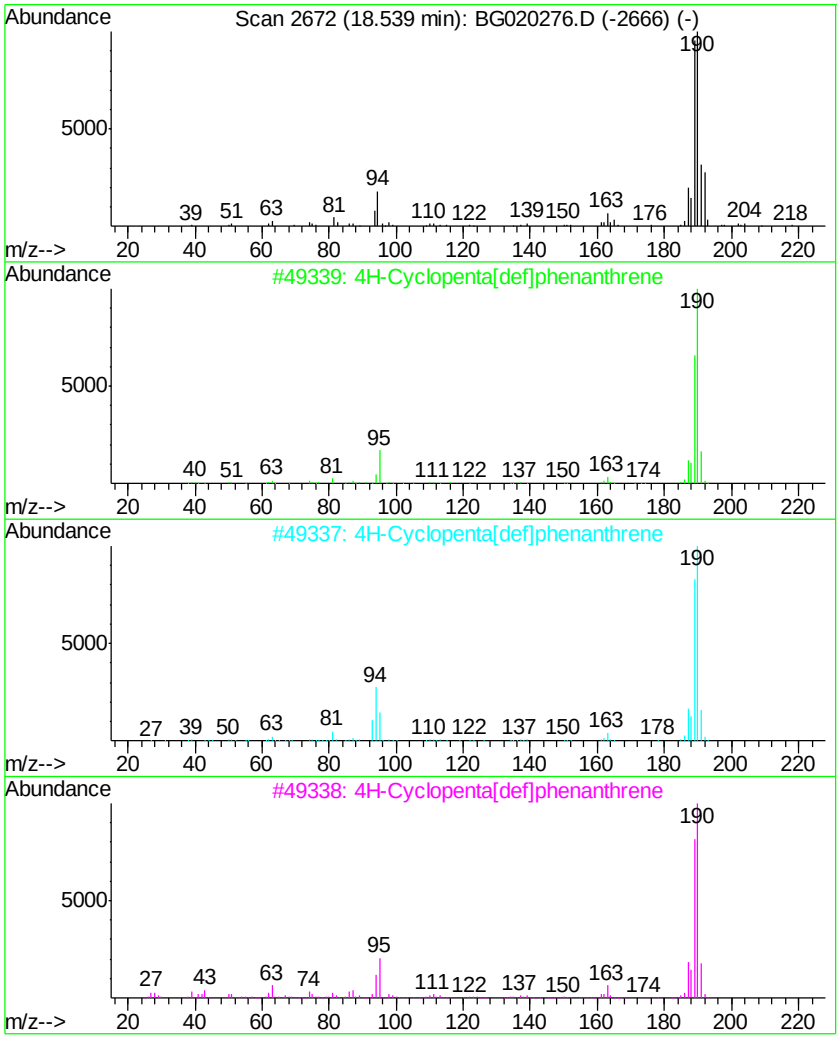
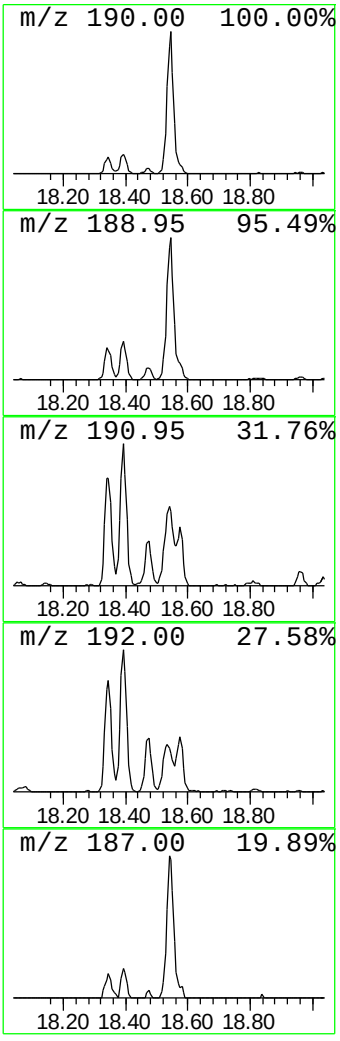
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	12.84 ng/ul	197879	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	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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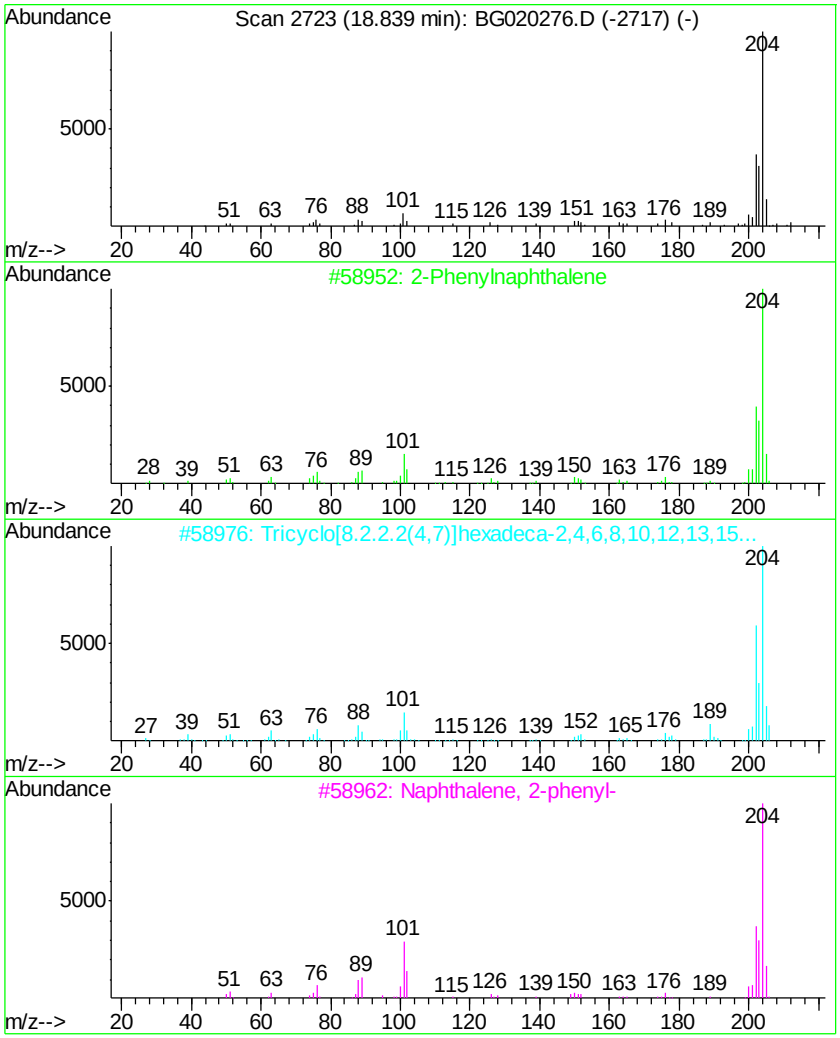
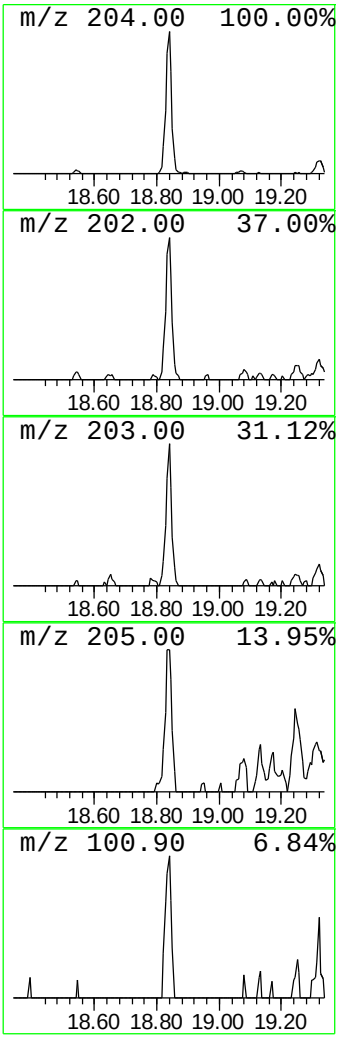
Peak Number 22 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	4.32 ng/ul	66561	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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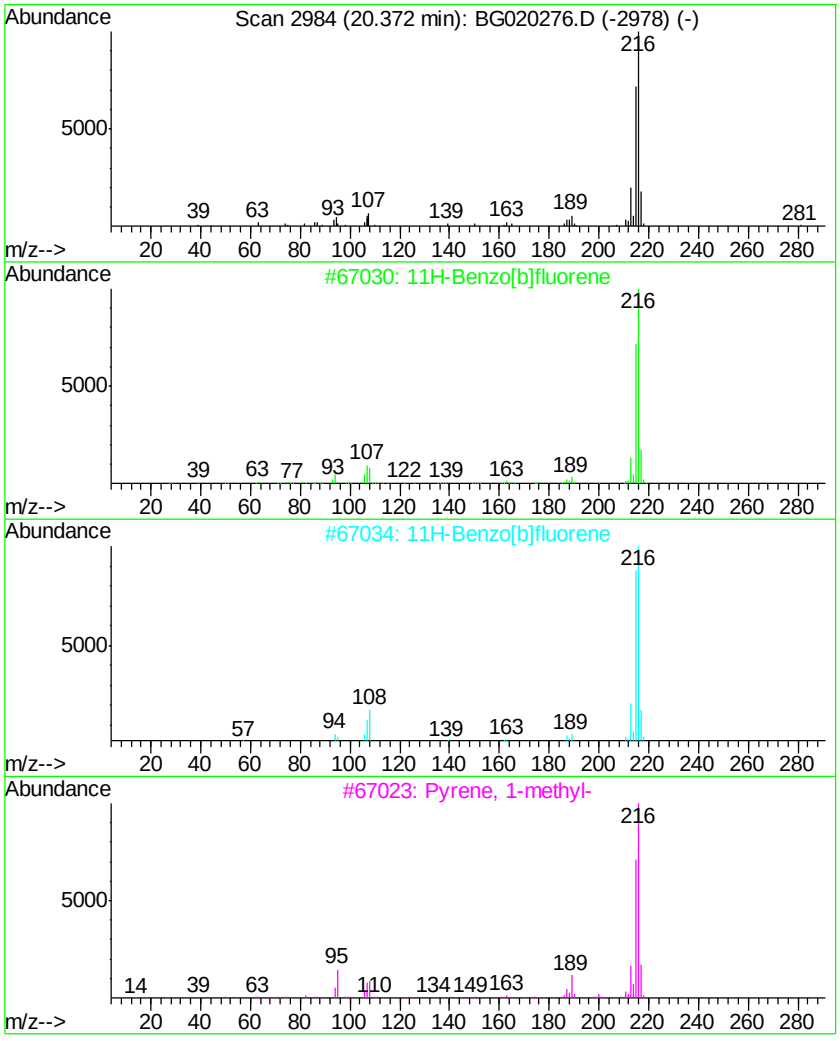
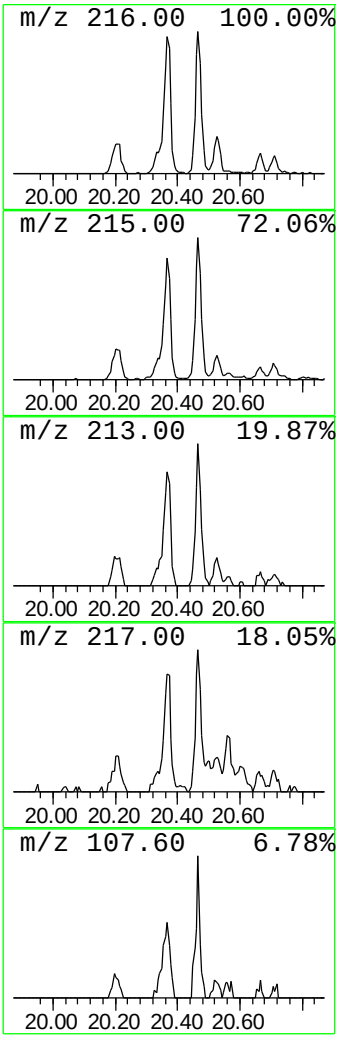
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	3.42 ng/ul	102122	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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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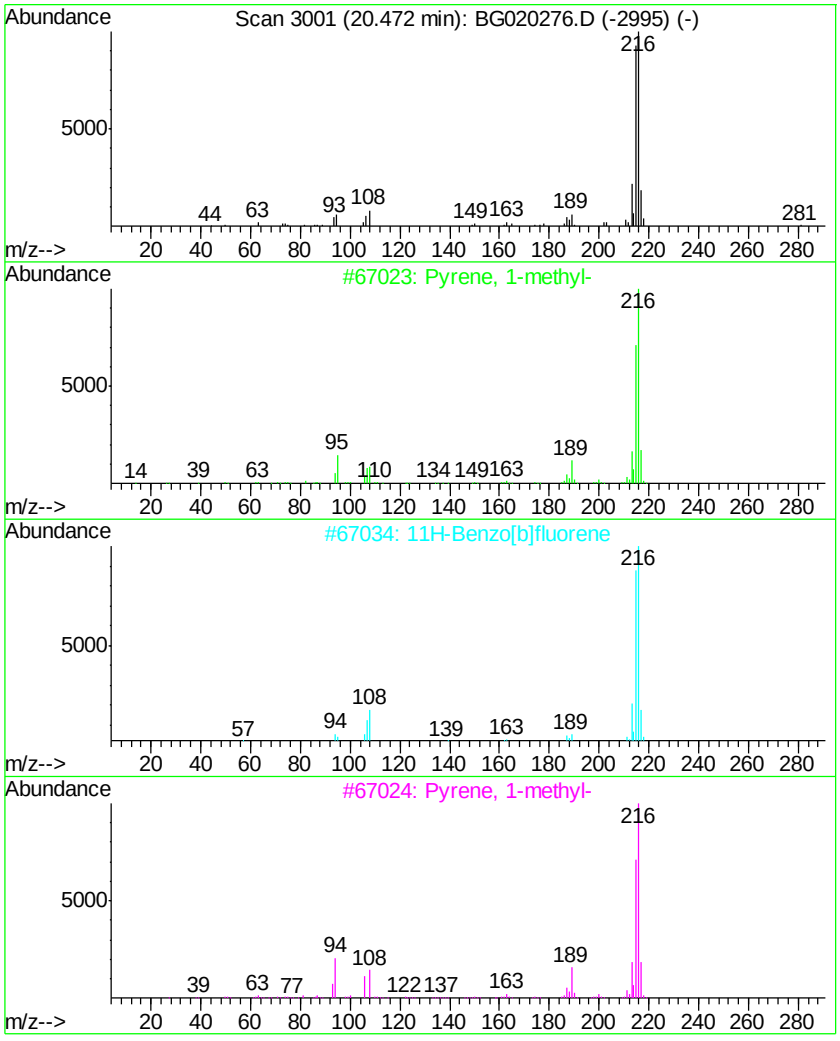
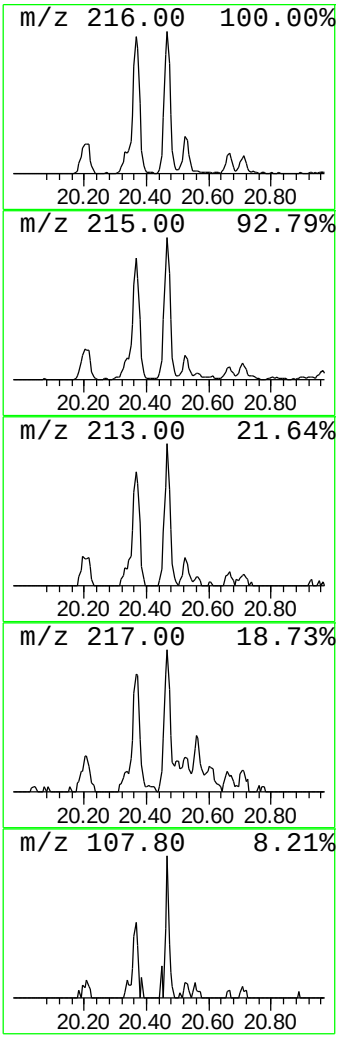
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	3.54 ng/ul	105620	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020276.D
Acq On : 18 Dec 2015 15:38
Operator : UM/SJ
Sample : G4767-13DL2 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N35DL2

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...	3.19	2.3	ng/ul	10028	1	8.09	87774	20.0
Naphthalene, 1-me...	12.78	18.6	ng/ul	132327	2	10.91	141917	20.0
Naphthalene, 1,3-...	13.76	2.8	ng/ul	32826	3	14.73	231589	20.0
Naphthalene, 1,6-...	13.89	4.0	ng/ul	46837	3	14.73	231589	20.0
Naphthalene, 2,3-...	14.04	6.4	ng/ul	73600	3	14.73	231589	20.0
Naphthalene, 1,2-...	14.10	4.1	ng/ul	47787	3	14.73	231589	20.0
Naphthalene, 1,4-...	14.28	2.3	ng/ul	26743	3	14.73	231589	20.0
Benzene, [1-(2,4-...	15.90	2.5	ng/ul	29218	3	14.73	231589	20.0
Nordiphenamid	15.93	5.6	ng/ul	64561	3	14.73	231589	20.0
1,1'-Biphenyl, 2-...	16.02	2.5	ng/ul	29453	3	14.73	231589	20.0
Dibenzofuran, 4-m...	16.06	5.5	ng/ul	63722	3	14.73	231589	20.0
9H-Fluoren-9-ol	16.21	6.0	ng/ul	91946	4	17.47	308344	20.0
Anthracene, 9,10-...	16.56	2.4	ng/ul	37573	4	17.47	308344	20.0
9H-Fluorene, 1-me...	16.77	4.9	ng/ul	75363	4	17.47	308344	20.0
Dibenzothiophene	17.29	5.6	ng/ul	86045	4	17.47	308344	20.0
Phenanthrene, 2-m...	18.35	6.2	ng/ul	95975	4	17.47	308344	20.0
Phenanthrene, 1-m...	18.39	8.0	ng/ul	123346	4	17.47	308344	20.0
Anthracene, 1-met...	18.47	2.9	ng/ul	44321	4	17.47	308344	20.0
4H-Cyclopenta[def...	18.54	12.8	ng/ul	197879	4	17.47	308344	20.0
2-Phenylnaphthalene	18.84	4.3	ng/ul	66561	4	17.47	308344	20.0
11H-Benzo[b]fluorene	20.37	3.4	ng/ul	102122	5	21.75	596375	20.0
Pyrene, 1-methyl-	20.47	3.5	ng/ul	105620	5	21.75	596375	20.0