LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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	8.091	887	894	901	rBB	56542	92253	1.61%	0.268%
2	10.911	1366	1374	1377	rBV	82135	153878	2.69%	0.447%
3	10.964	1377	1383	1390	rVB	595250	1077325	18.85%	3.132%
4	12.556	1646	1654	1661	rBV	466938	767512	13.43%	2.231%
5	12.774	1681	1691	1700	rVB	240001	394666	6.91%	1.147%
6	13.555	1818	1824	1833	rBB	193832	296303	5.18%	0.861%
7	13.755	1851	1858	1867	rVB	64466	116277	2.03%	0.338%
8	13.884	1871	1880	1881	rBV	78520	114336	2.00%	0.332%
9	14.043	1898	1907	1912	rBV	118309	208876	3.65%	0.607%
10	14.096	1912	1916	1925	rVV2	83029	134257	2.35%	0.390%
11	14.278	1936	1947	1951	rBV	51329	81225	1.42%	0.236%
12	14.442	1965	1975	1985	rVB2	61753	107973	1.89%	0.314%
13	14.689	2012	2017	2019	rBV	80869	111094	1.94%	0.323%
14	14.724	2019	2023	2028	rVV2	148530	237428	4.15%	0.690%
15	14.795	2028	2035	2041	rVV	1088903	1750765	30.63%	5.090%
16	14.854	2041	2045	2050	rVB	40208	60051	1.05%	0.175%
17	14.924	2050	2057	2066	rVB	15649	36676	0.64%	0.107%
18	15.030	2066	2075	2079	rBV	41877	66261	1.16%	0.193%
19	15.124	2084	2091	2097	rVV	750412	1172913	20.52%	3.410%
20	15.189	2097	2102	2111	rVB2	24797	39148	0.68%	0.114%
21	15.330	2120	2126	2131	rBV3	19261	35289	0.62%	0.103%
22	15.388	2131	2136	2146	rVB2	21813	34537	0.60%	0.100%
23	15.770	2194	2201	2210	rVV	1052542	1671090	29.24%	4.858%
24	15.858	2210	2216	2219	rVV2	42170	72330	1.27%	0.210%
25	15.894	2219	2222	2224	rVV	66023	96668	1.69%	0.281%
26	15.929	2224	2228	2233	rVV2	125562	203870	3.57%	0.593%
27	15.976	2233	2236	2239	rVV3	29617	44990	0.79%	0.131%
28	16.017	2239	2243	2246	rVV2	65071	104061	1.82%	0.303%
29	16.058	2246	2250	2258	rVB	145987	216511	3.79%	0.629%
30	16.205	2258	2275	2283	rBV	158978	345006	6.04%	1.003%
31	16.299	2287	2291	2296	rVB	25169	39830	0.70%	0.116%
32	16.558	2330	2335	2341	rVB	73523	108716	1.90%	0.316%
33	16.769	2359	2371	2375	rBV2	121004	267957	4.69%	0.779%
34	16.816	2375	2379	2385	rVB2	42864	61705	1.08%	0.179%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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	16.916	2391	2396	2401	rVB2	46959	81168	1.42%	0.236%
36	16.992	2401	2409	2412	rBV3	43930	98346	1.72%	0.286%
37	17.033	2412	2416	2420	rVB2	38888	55597	0.97%	0.162%
38	17.122	2427	2431	2437	rVB6	22330	38651	0.68%	0.112%
39	17.198	2437	2444	2454	rBV3	58749	163417	2.86%	0.475%
40	17.286	2454	2459	2476	rVB	266438	430109	7.53%	1.250%
41	17.474	2485	2491	2493	rBV	179000	301522	5.28%	0.877%
42	17.527	2493	2500	2505	rVV	3264049	5715226	100.00%	16.616%
43	17.603	2505	2513	2518	rVV	408813	681397	11.92%	1.981%
44	17.656	2518	2522	2527	rVB2	24346	46241	0.81%	0.134%
45	17.868	2547	2558	2566	rBV	208380	386955	6.77%	1.125%
46	17.985	2573	2578	2585	rBV2	69150	109533	1.92%	0.318%
47	18.050	2585	2589	2599	rVB4	28964	59296	1.04%	0.172%
48	18.185	2608	2612	2622	rVB	27782	56422	0.99%	0.164%
49	18.344	2633	2639	2643	rBV	265749	389644	6.82%	1.133%
50	18.391	2643	2647	2653	rVB	366935	528300	9.24%	1.536%
51	18.473	2653	2661	2666	rBV	121208	200098	3.50%	0.582%
52	18.543	2666	2673	2677	rBV2	522424	923494	16.16%	2.685%
53	18.837	2718	2723	2727	rBV	233418	320339	5.61%	0.931%
54	19.078	2760	2764	2768	rVB4	48613	62934	1.10%	0.183%
55	19.131	2768	2773	2776	rBV	32783	43103	0.75%	0.125%
56	19.166	2776	2779	2783	rVB	33388	40040	0.70%	0.116%
57	19.249	2787	2793	2799	rBV2	69768	138009	2.41%	0.401%
58	19.319	2799	2805	2808	rBV2	35241	59210	1.04%	0.172%
59	19.525	2832	2840	2845	rBV	2297539	3607688	63.12%	10.489%
60	19.572	2845	2848	2851	rVV	36610	51314	0.90%	0.149%
61	19.607	2851	2854	2858	rVV	45096	63465	1.11%	0.185%
62	19.760	2874	2880	2889	rVB2	80575	146864	2.57%	0.427%
63	19.854	2889	2896	2897	rBV2	456440	696383	12.18%	2.025%
64	19.883	2897	2901	2908	rVV	1518311	2428133	42.49%	7.059%
65	19.942	2908	2911	2918	rVB2	89275	132645	2.32%	0.386%
66	20.053	2918	2930	2935	rBV	102837	169049	2.96%	0.491%
67	20.112	2935	2940	2947	rVB2	21789	37390	0.65%	0.109%
68	20.189	2947	2953	2960	rBV2	89031	226287	3.96%	0.658%
69	20.253	2960	2964	2969	rVB	36914	46410	0.81%	0.135%
70	20.365	2970	2983	2988	rVB	295161	518298	9.07%	1.507%
71	20.465	2994	3000	3004	rBV	340218	486614	8.51%	1.415%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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	20.523	3004	3010	3013	rVV2	91769	177401	3.10%	0.516%
73	20.559	3013	3016	3020	rVV	57595	73671	1.29%	0.214%
74	20.600	3020	3023	3029	rVB3	31954	46275	0.81%	0.135%
75	20.665	3029	3034	3037	rBV	44575	62829	1.10%	0.183%
76	20.706	3037	3041	3045	rVB2	43982	58660	1.03%	0.171%
77	20.894	3068	3073	3076	rBV	36603	55390	0.97%	0.161%
78	20.988	3087	3089	3095	rVB3	19459	34143	0.60%	0.099%
79	21.082	3100	3105	3111	rBV2	32996	71286	1.25%	0.207%
80	21.135	3111	3114	3120	rVV3	23512	41737	0.73%	0.121%
81	21.317	3137	3145	3149	rBV	81638	141011	2.47%	0.410%
82	21.358	3149	3152	3156	rVV	81874	121658	2.13%	0.354%
83	21.411	3156	3161	3166	rVV2	72375	143142	2.50%	0.416%
84	21.599	3184	3193	3202	rBV	24502	62449	1.09%	0.182%
85	21.728	3202	3215	3222	rVV3	479924	1288687	22.55%	3.747%
86	21.793	3222	3226	3239	rVV	336190	594735	10.41%	1.729%
87	21.945	3246	3252	3259	rVV	84543	157346	2.75%	0.457%
88	22.086	3271	3276	3281	rVV	23607	51513	0.90%	0.150%
89	22.151	3281	3287	3294	rVV3	37748	87034	1.52%	0.253%
90	22.480	3335	3343	3349	rVV	35703	96873	1.69%	0.282%
91	22.551	3349	3355	3361	rVB2	18505	41640	0.73%	0.121%
92	22.697	3376	3380	3386	rVV3	18140	38520	0.67%	0.112%
93	22.762	3386	3391	3394	rVV	18596	37625	0.66%	0.109%
94	22.809	3394	3399	3406	rVB5	29428	65055	1.14%	0.189%
95	22.891	3406	3413	3421	rBV5	14535	36882	0.65%	0.107%
96	23.972	3587	3597	3604	rBV	88886	295034	5.16%	0.858%
97	24.231	3635	3641	3649	rVB2	14762	35374	0.62%	0.103%
98	24.707	3713	3722	3733	rBV2	36834	102329	1.79%	0.298%
99	24.854	3739	3747	3763	rVB2	52495	161158	2.82%	0.469%
100	25.012	3763	3774	3783	rBV	117548	355357	6.22%	1.033%

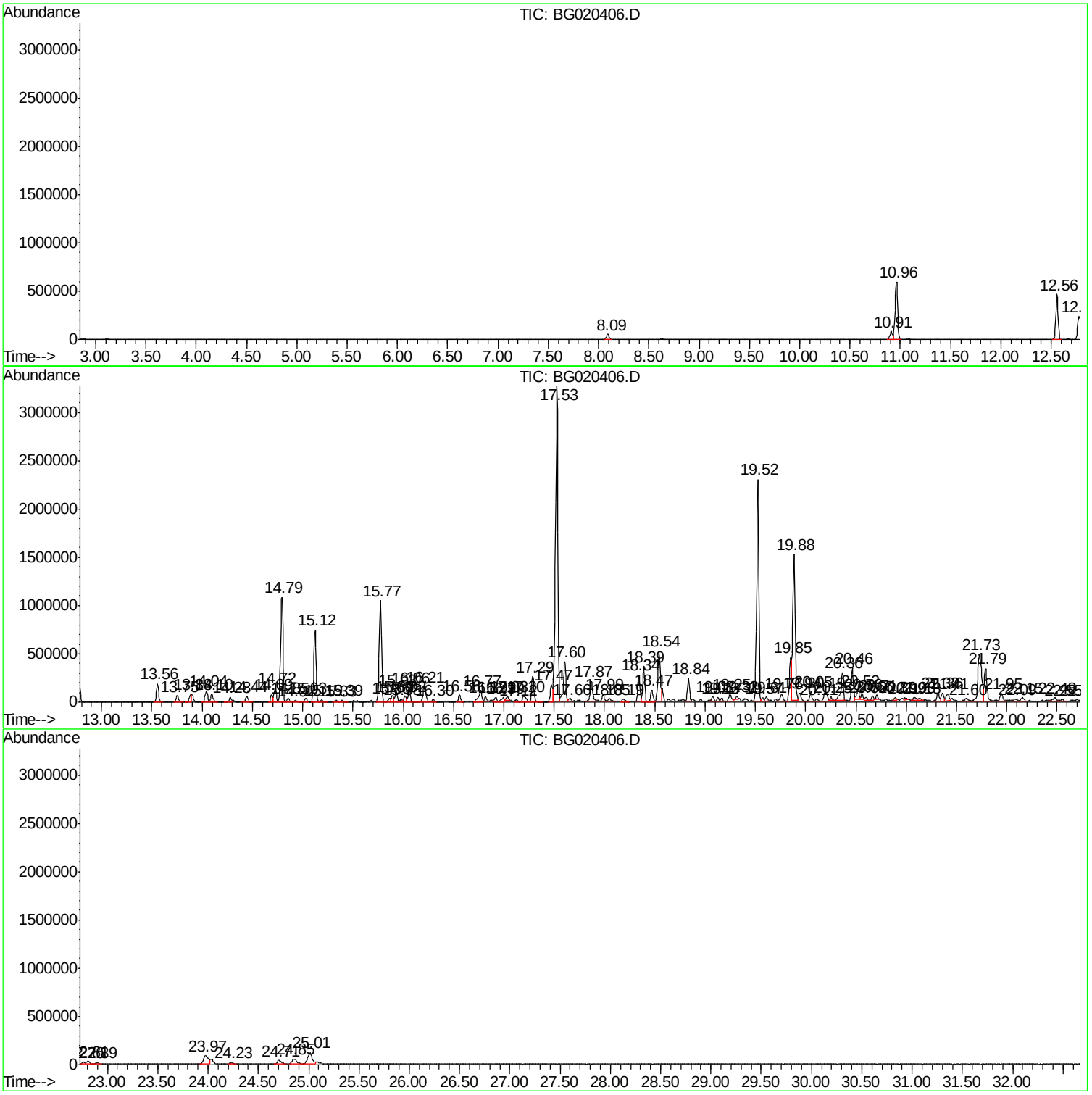
Sum of corrected areas: 34396182

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N63DL

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 : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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

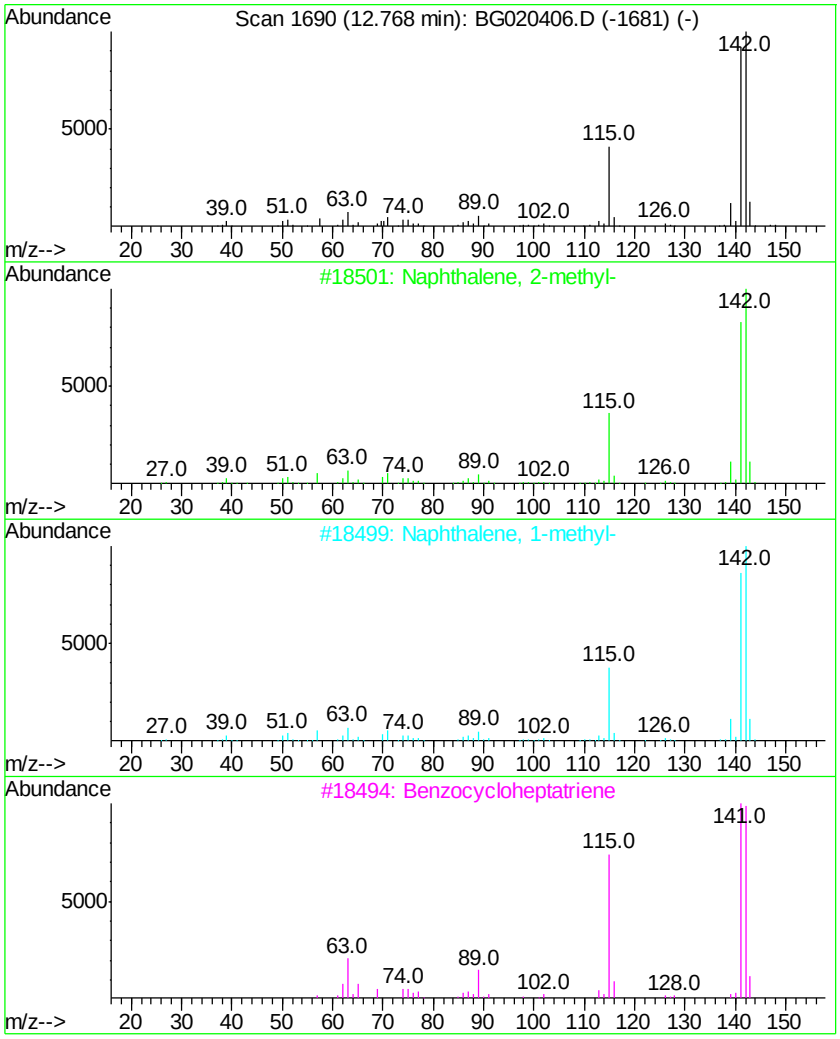
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

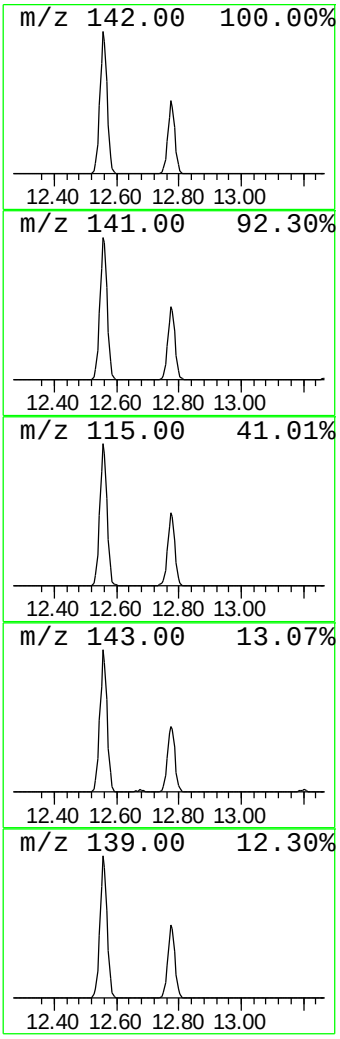
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	51.30 ng/ul	394666	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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

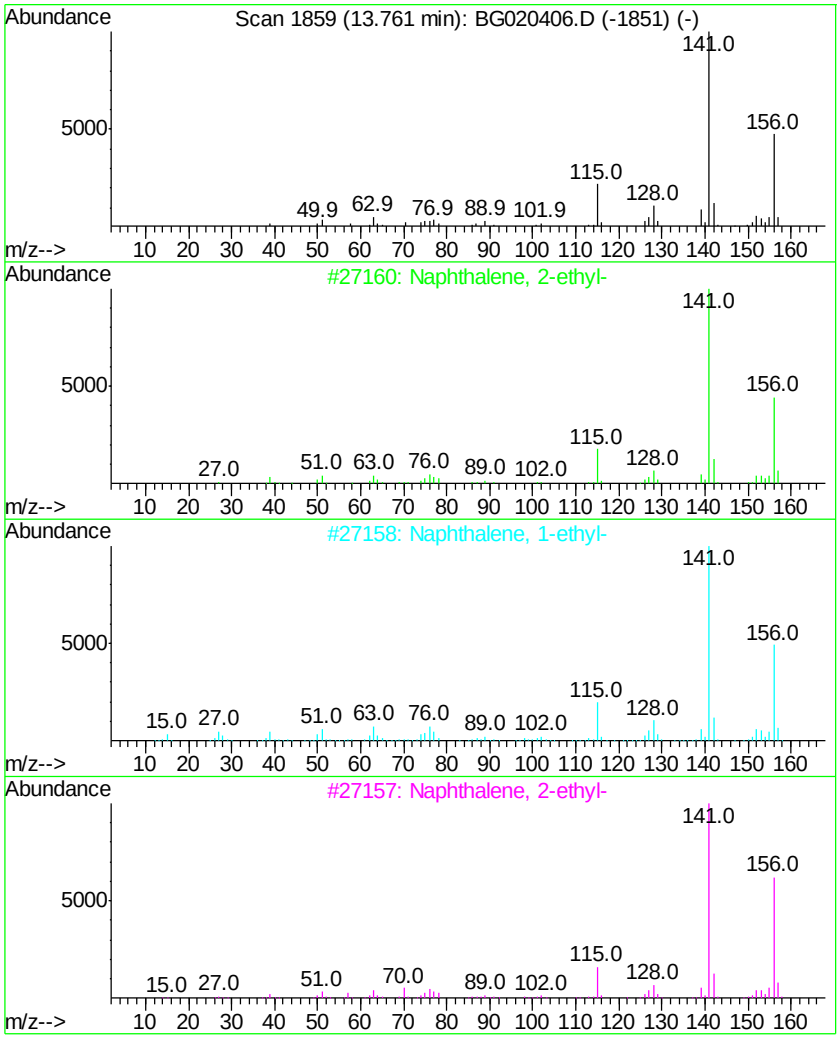
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

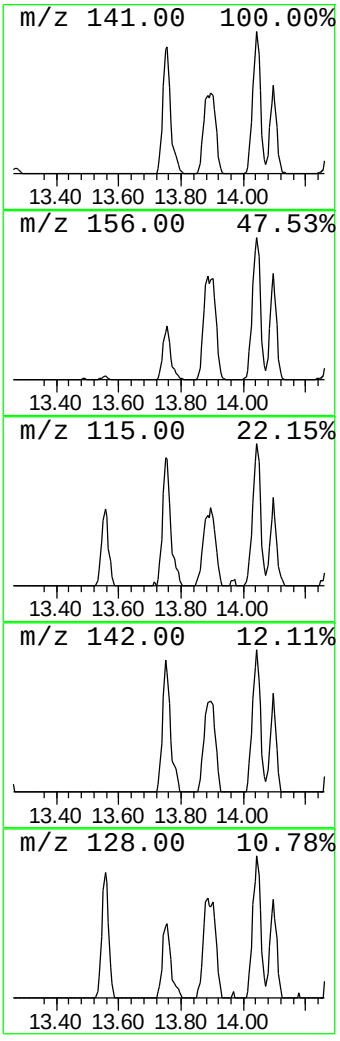
****

Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	9.79 ng/ul	116277	Acenaphthene-d10	14.72

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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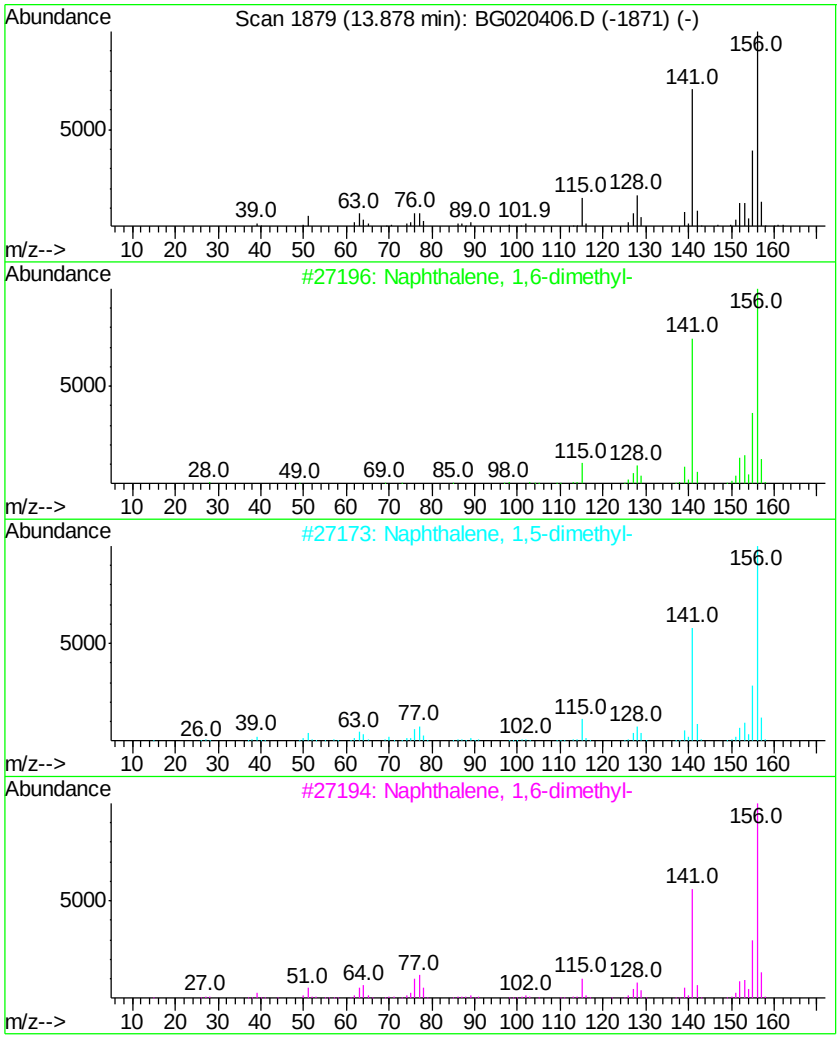
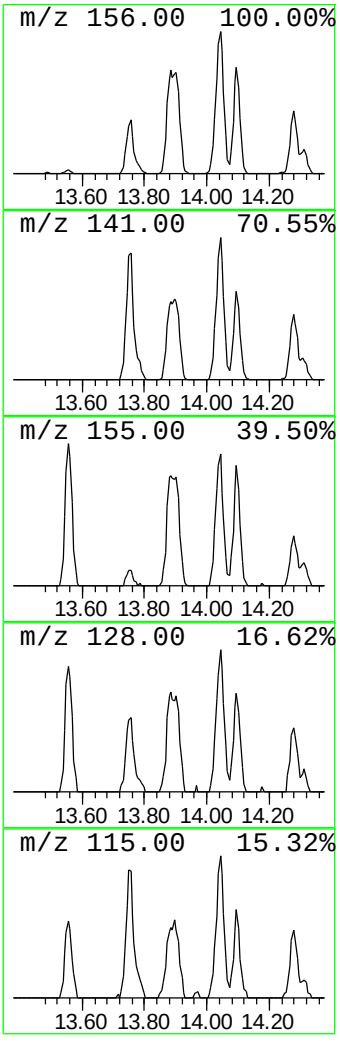
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	9.63 ng/ul	114336	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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

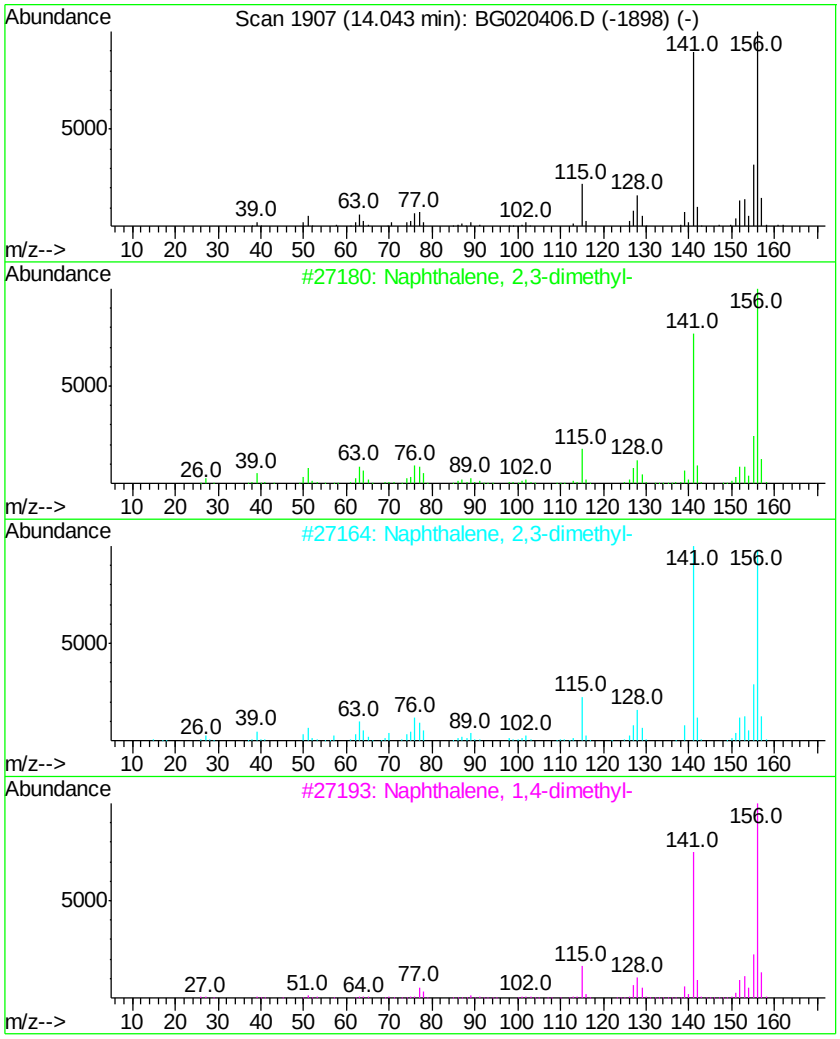
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

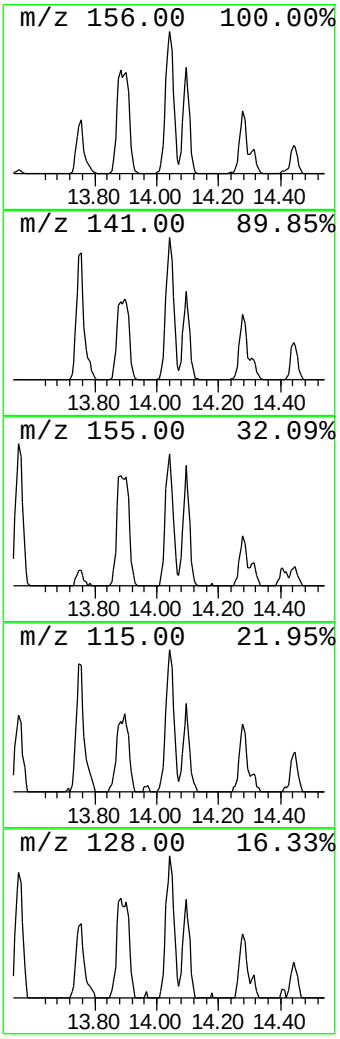
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	17.59 ng/ul	208876	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, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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

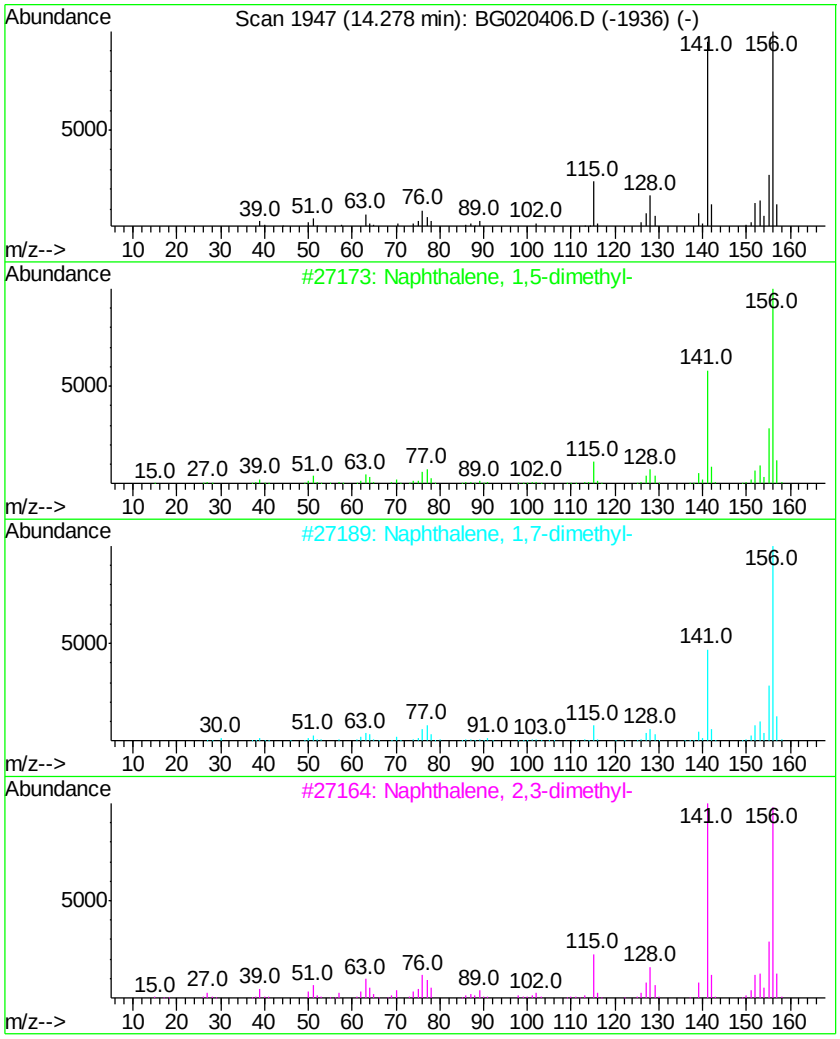
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

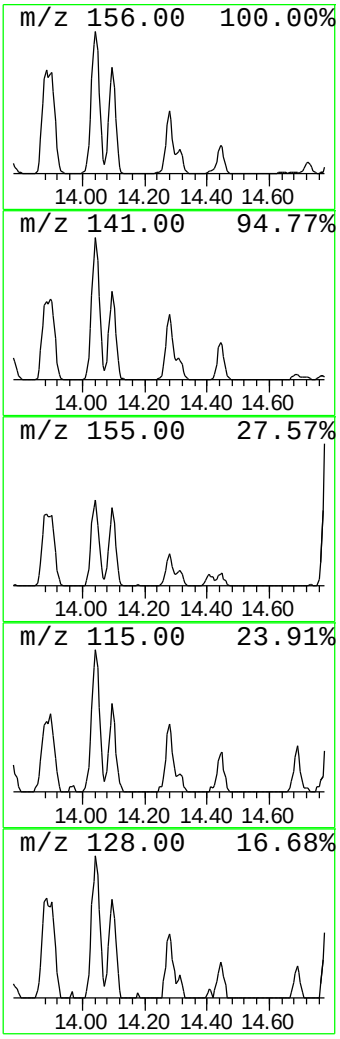
****

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	6.84 ng/ul	81225	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

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Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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

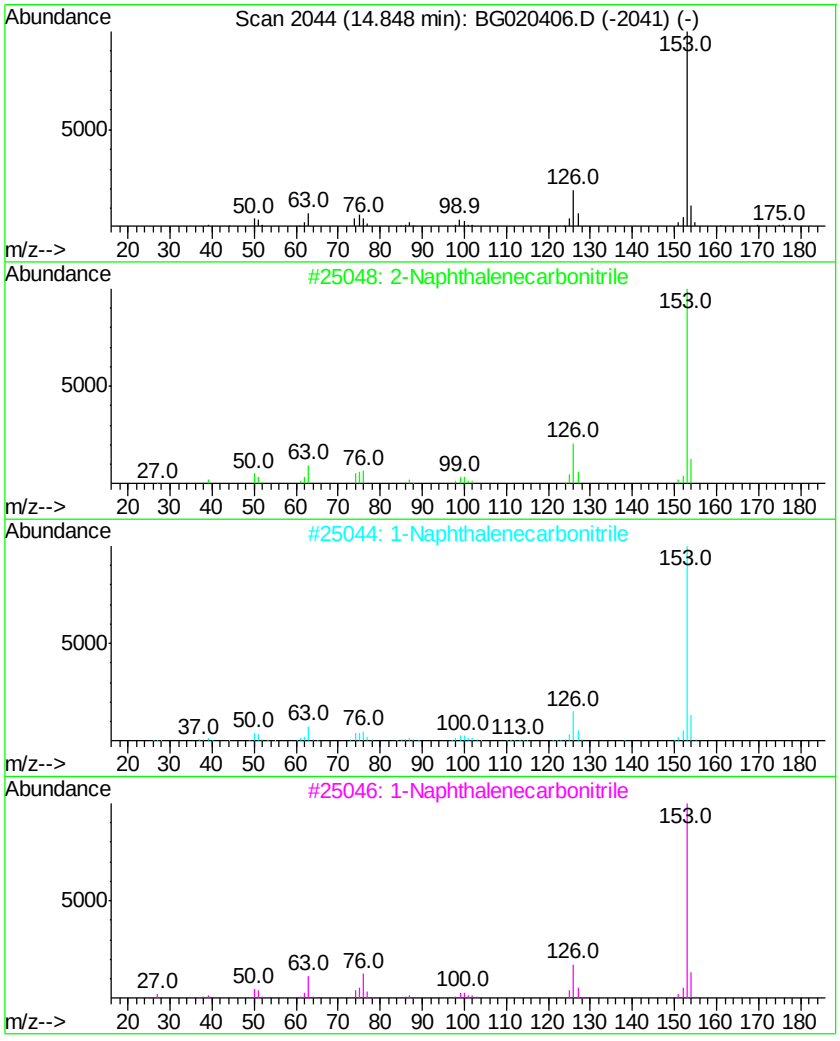
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

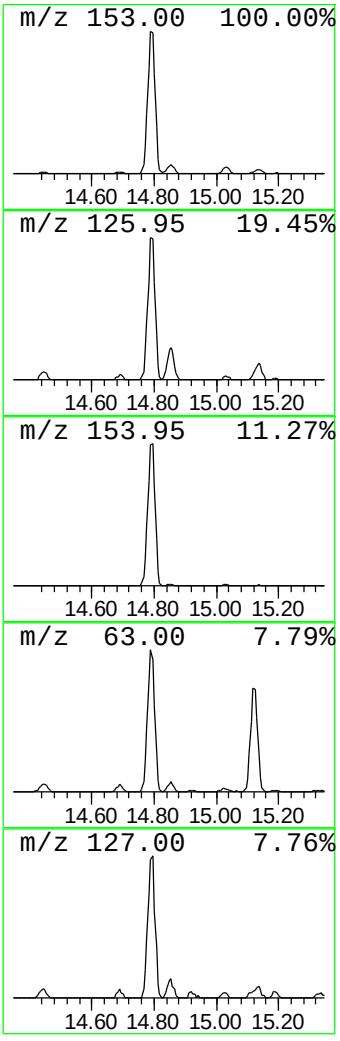
****

Peak Number 6 2-Naphthalenecarbonitrile Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	5.06 ng/ul	60051	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	93
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91





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Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

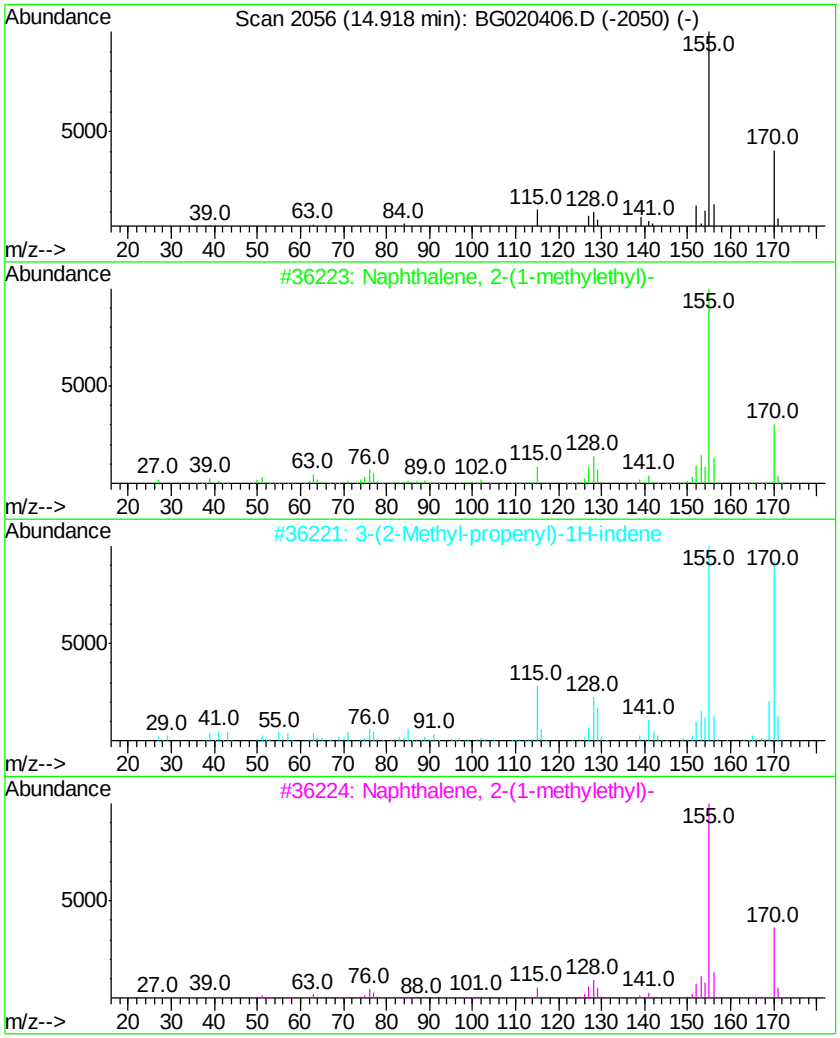
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

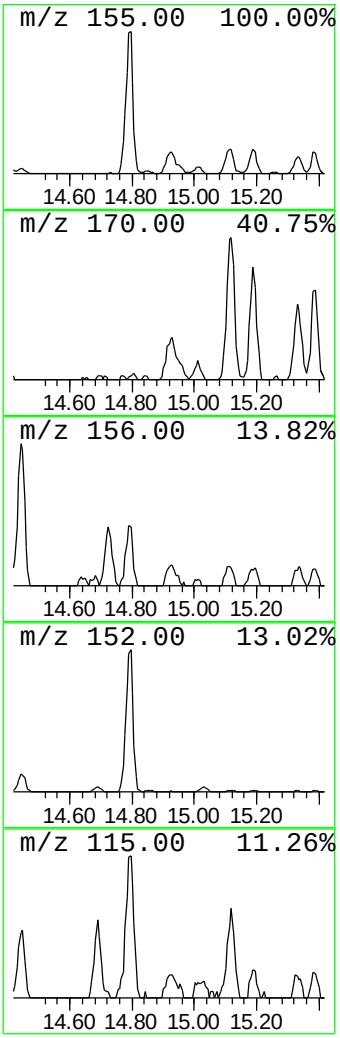
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2-(1-methyleth... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	3.09 ng/ul	36676	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	83
4	1'-Acetonaphthone	170	C12H10O	000941-98-0	72
5	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	72





Library Search Compound Report

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Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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Quant Title : SVOA CALIBRATION

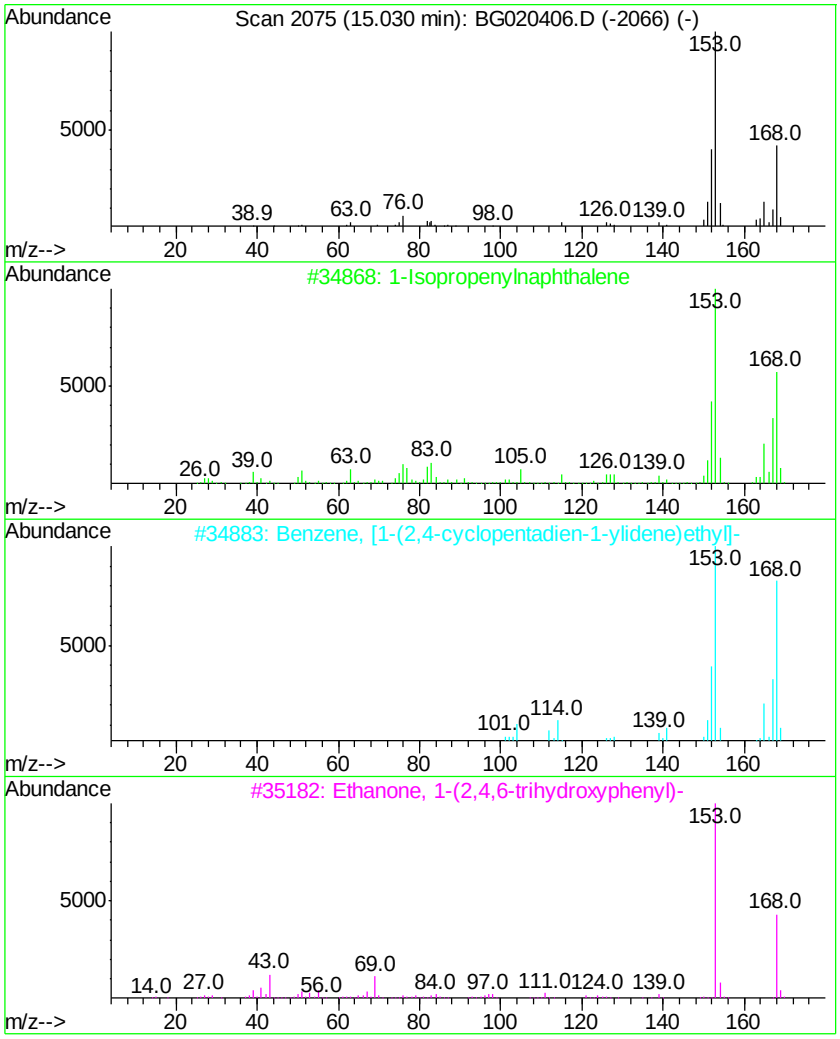
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

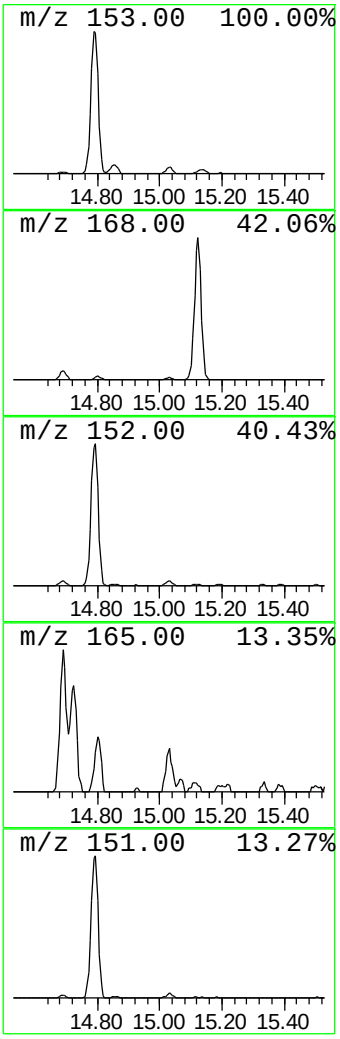
****

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	5.58 ng/ul	66261	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N63DL

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Quant Title : SVOA CALIBRATION

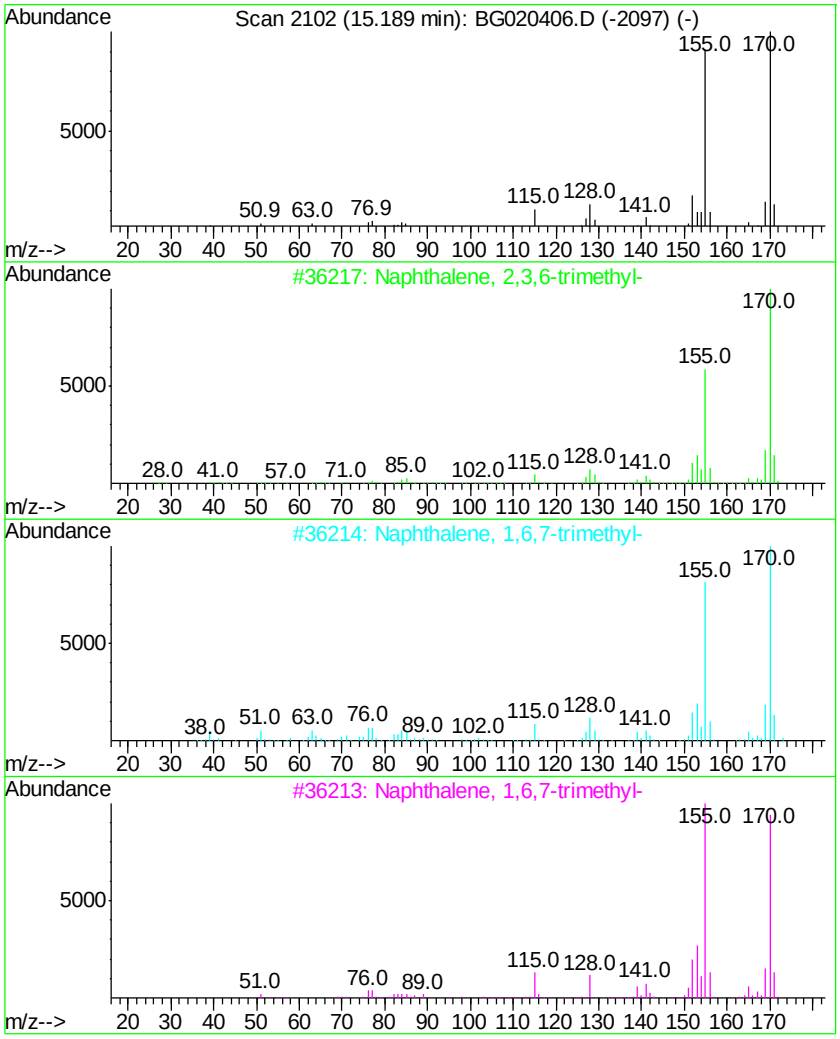
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

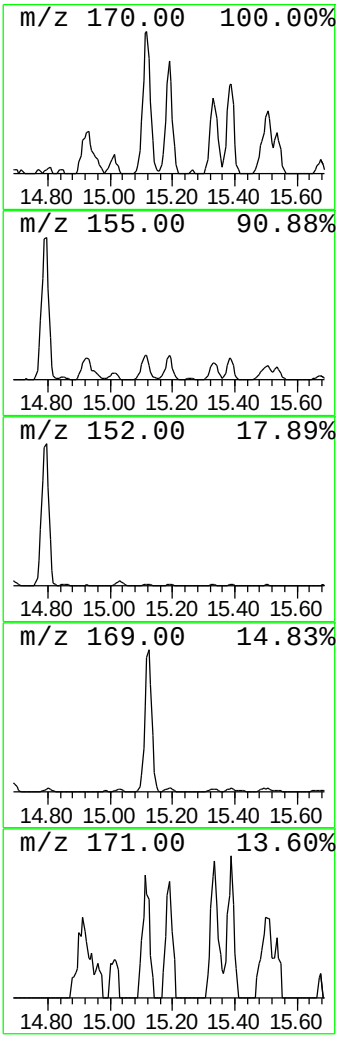
****

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.30 ng/ul	39148	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90





Library Search Compound Report

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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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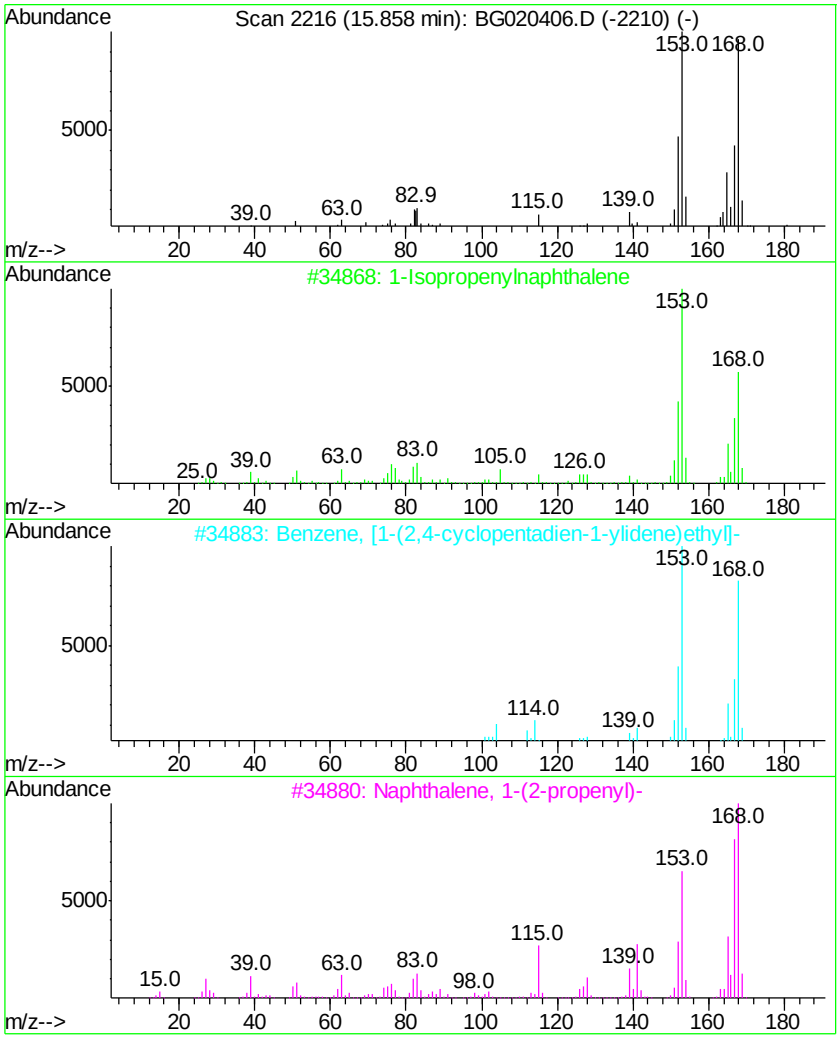
Quant Title : SVOA CALIBRATION

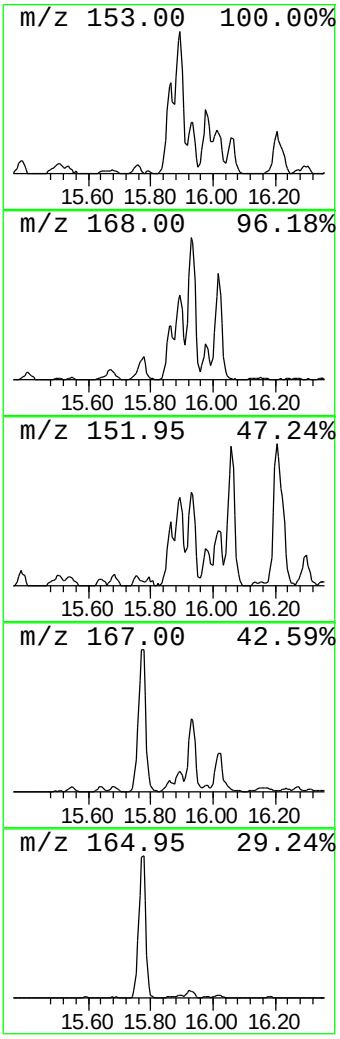
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, [1-(2,4-cyclopenta... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	6.09 ng/ul	72330	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
5	Diphenylmethane	168	C13H12	000101-81-5	50





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Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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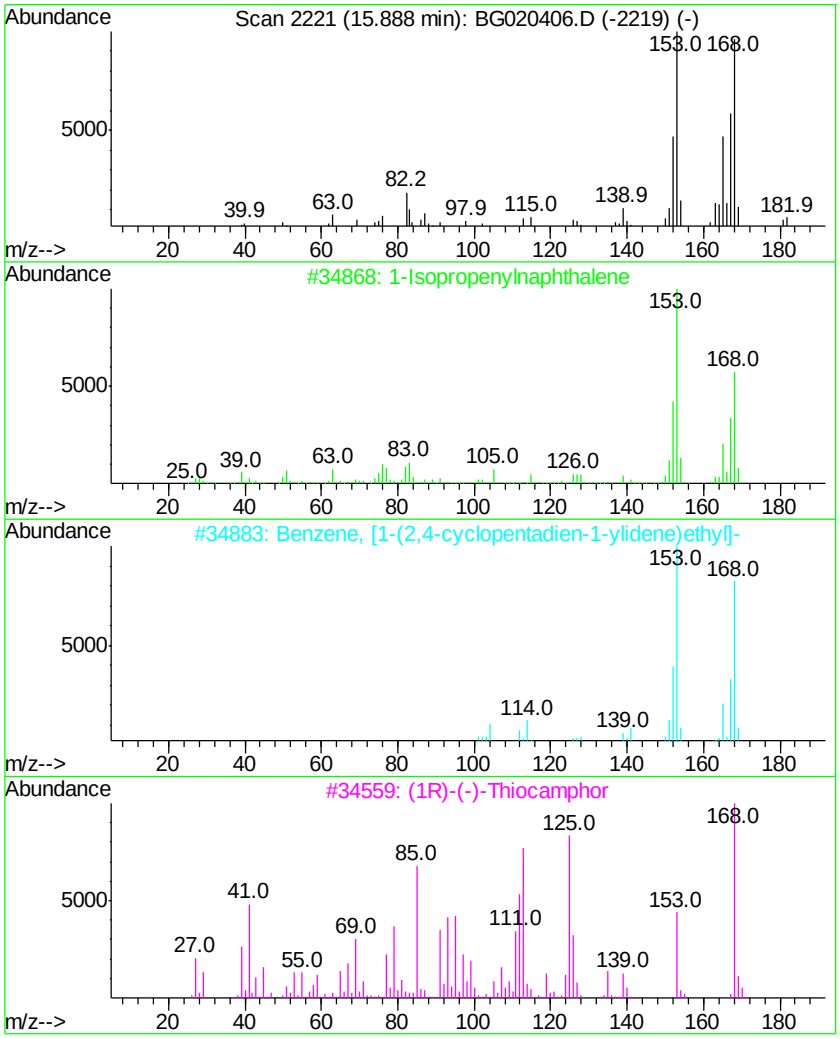
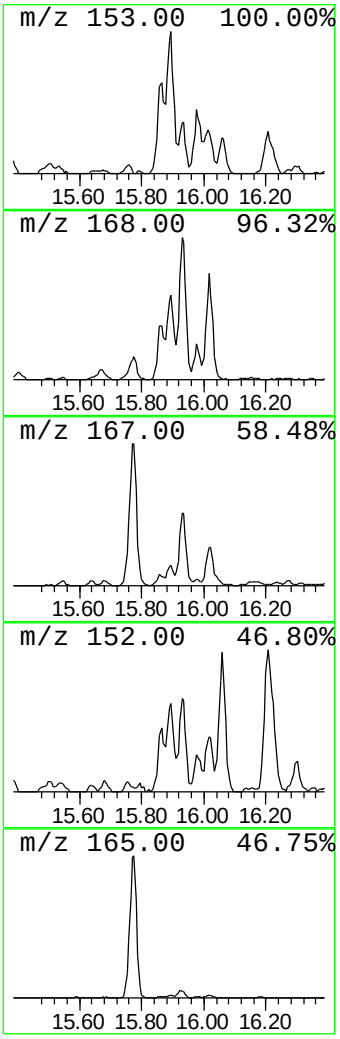
Peak Number 13 (1R)-(-)-Thiocamphor Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	8.14 ng/ul	96668	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
3	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	55
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	46
5	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	43





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Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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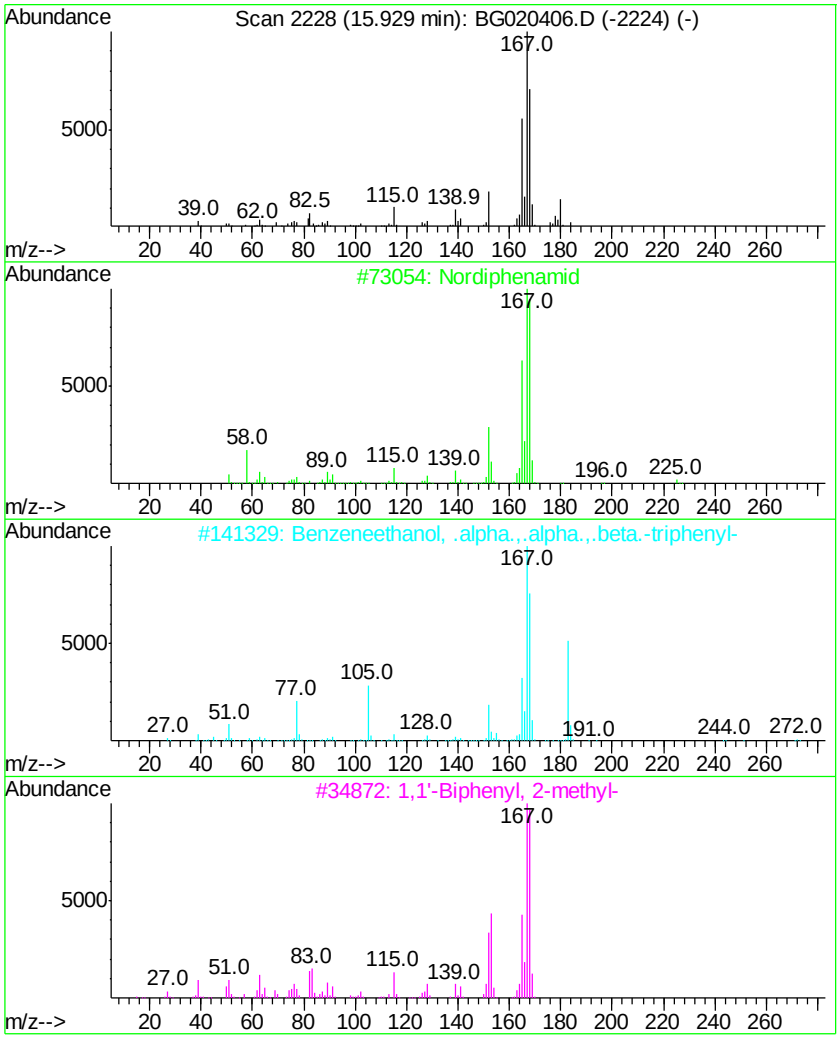
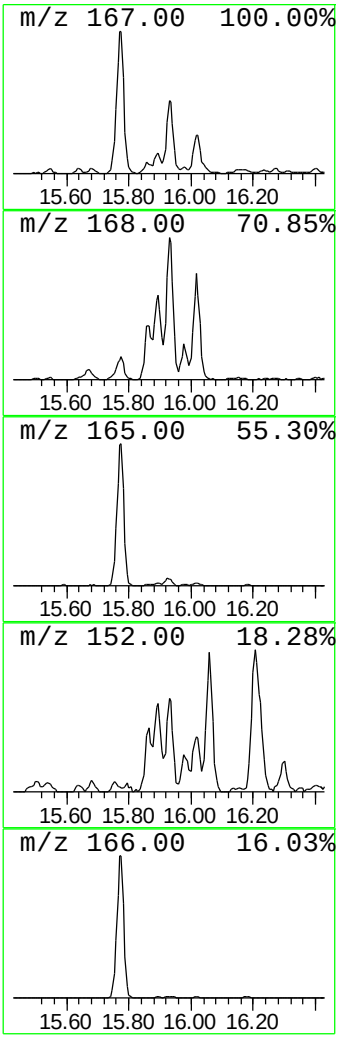
Peak Number 14 Nordiphenamid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	17.17 ng/ul	203870	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	78
2	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	52





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Sample : G4848-17DL 30X
Misc :
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Instrument : BNA_G
ClientSampleId : D9N63DL

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Quant Title : SVOA CALIBRATION

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

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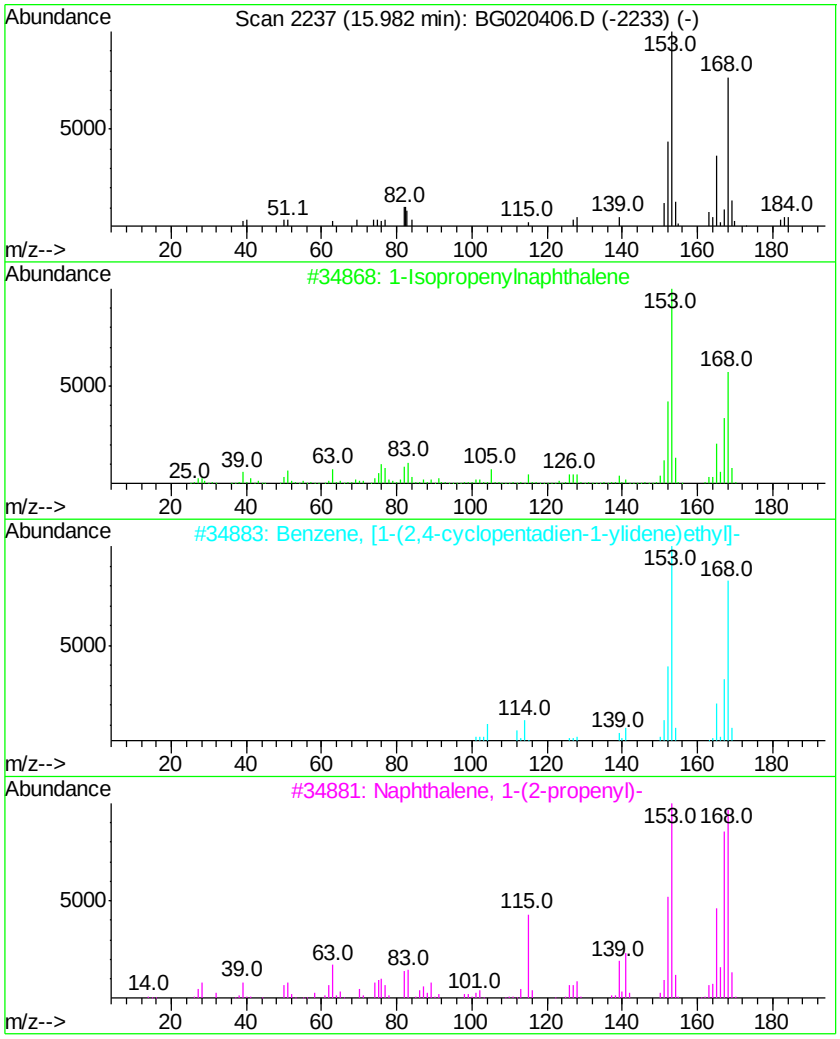
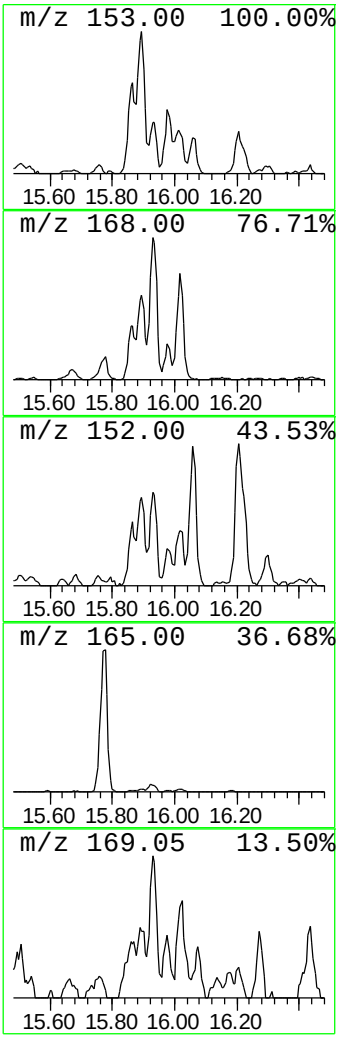
Peak Number 15 Naphthalene, 1-(2-propenyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	3.79 ng/ul	44990	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	76
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	68
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	53
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





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Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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Quant Title : SVOA CALIBRATION

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

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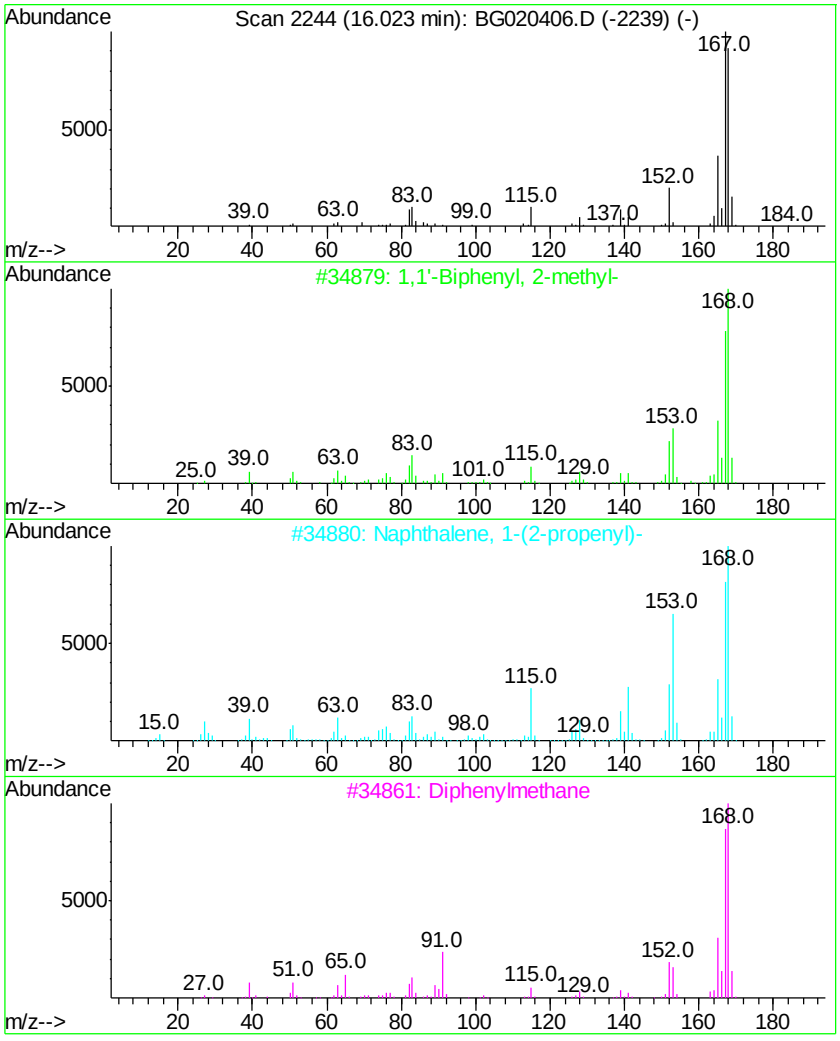
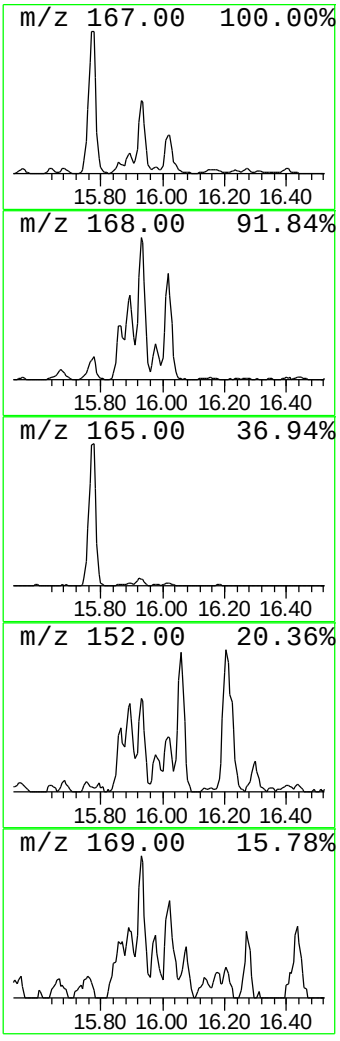
Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	8.77 ng/ul	104061	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	87
3	Diphenylmethane	168	C13H12	000101-81-5	80
4	Diphenylmethane	168	C13H12	000101-81-5	80
5	Diphenylmethane	168	C13H12	000101-81-5	72





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Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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Quant Title : SVOA CALIBRATION

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

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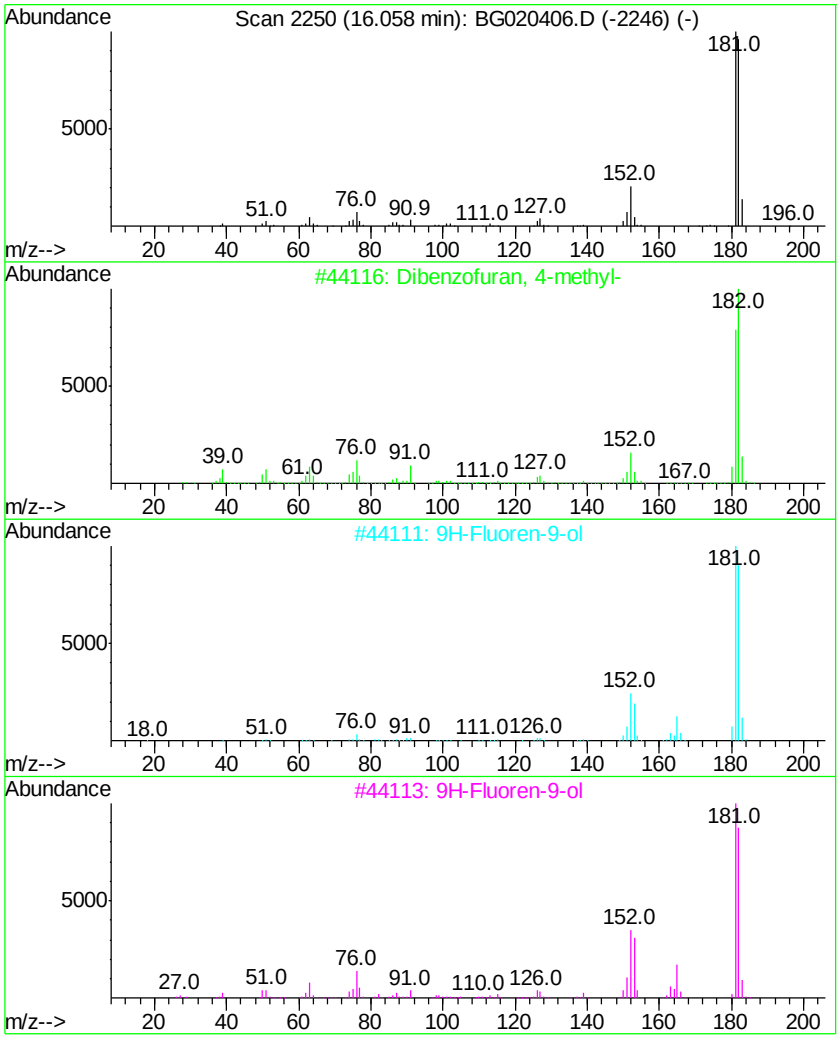
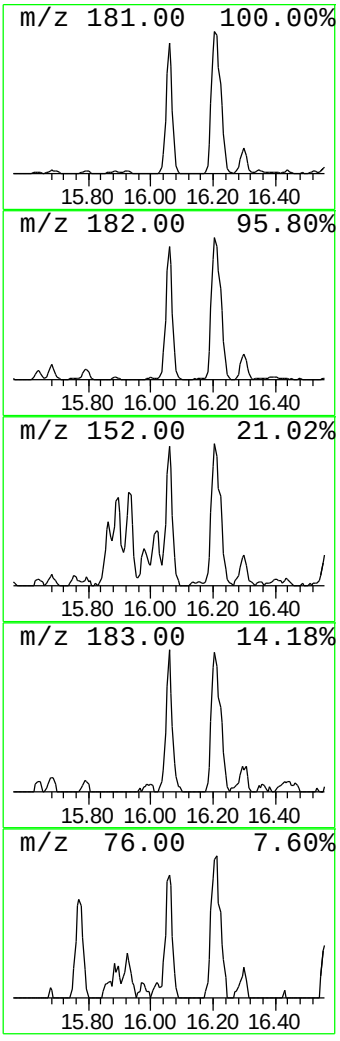
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	18.24 ng/ul	216511	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





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Instrument : BNA_G
ClientSampleId : D9N63DL

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Quant Title : SVOA CALIBRATION

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

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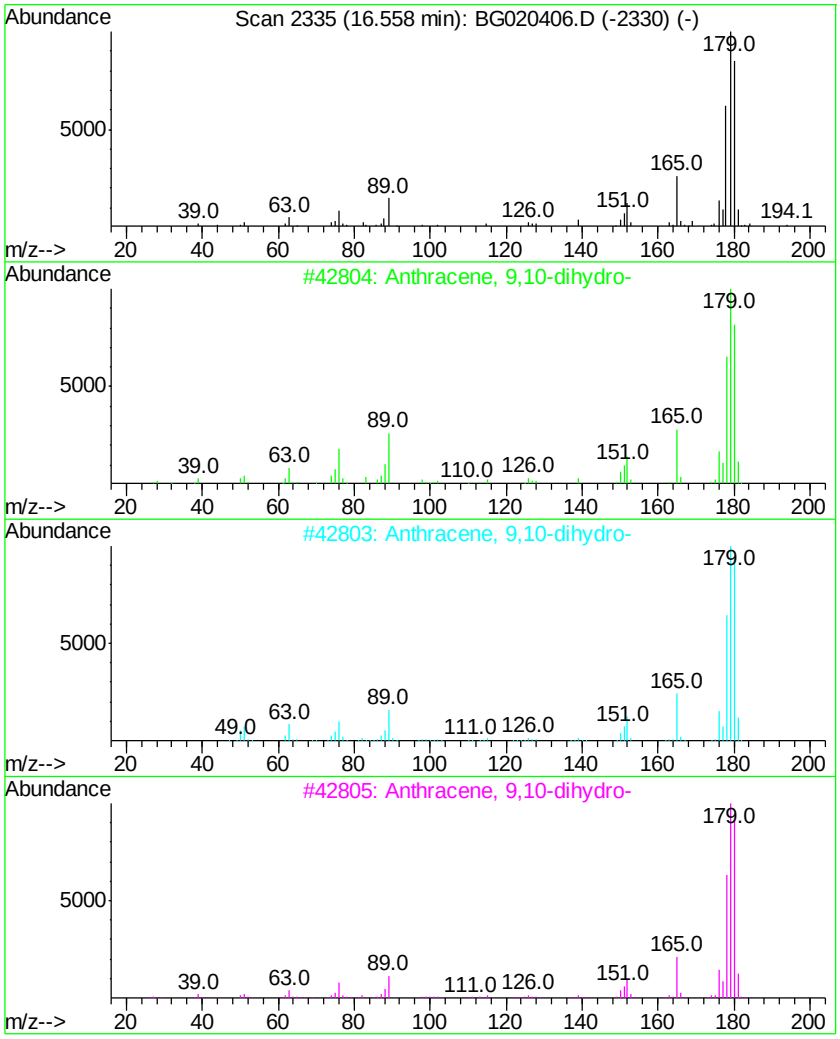
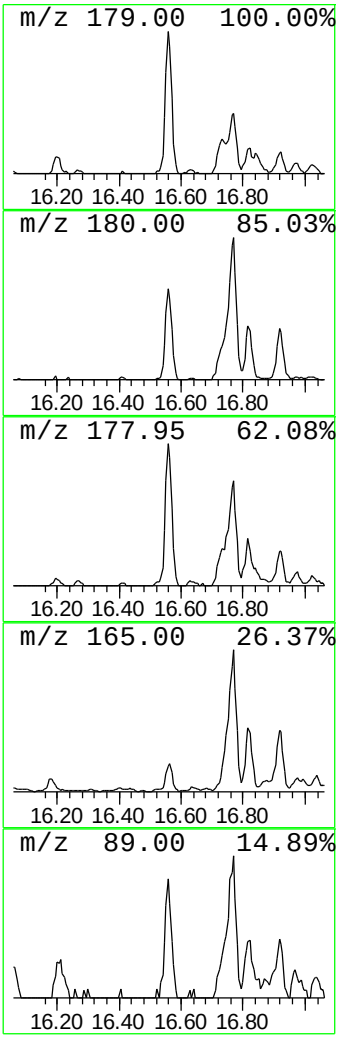
Peak Number 20 Anthracene, 9,10-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	7.21 ng/ul	108716	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	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	(E)-Stilbene	180	C14H12	000103-30-0	64
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	64





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Data File : BG020406.D
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Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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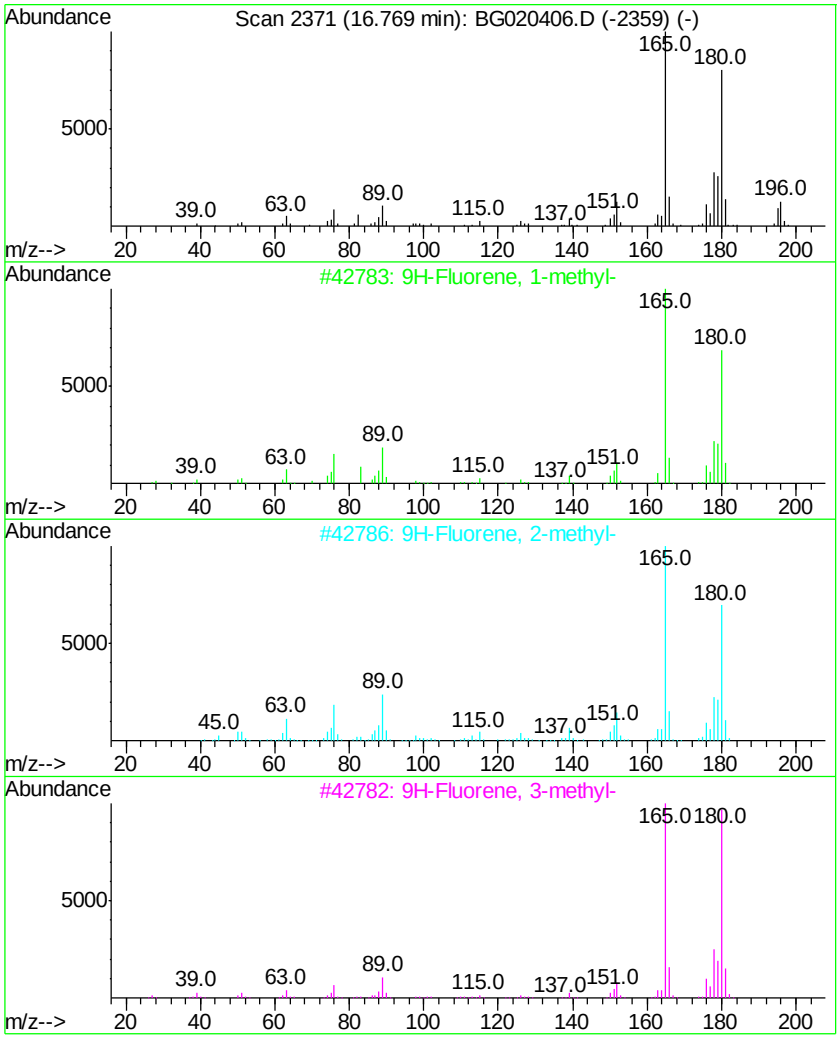
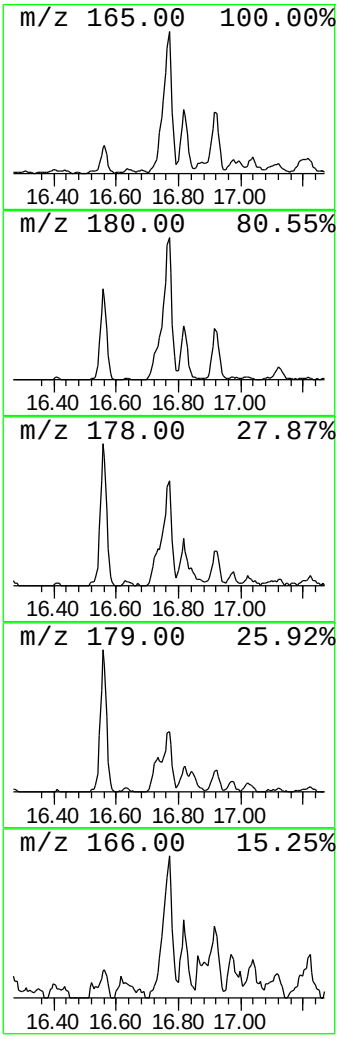
Peak Number 21 9H-Fluorene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	17.77 ng/ul	267957	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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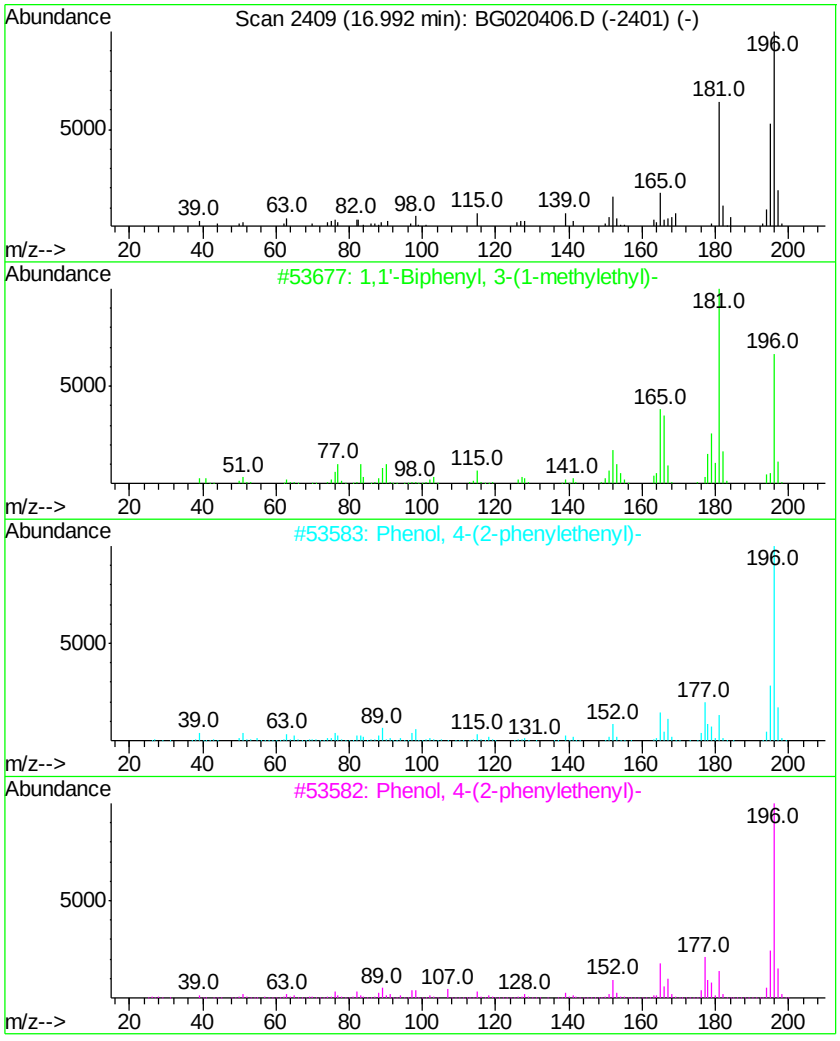
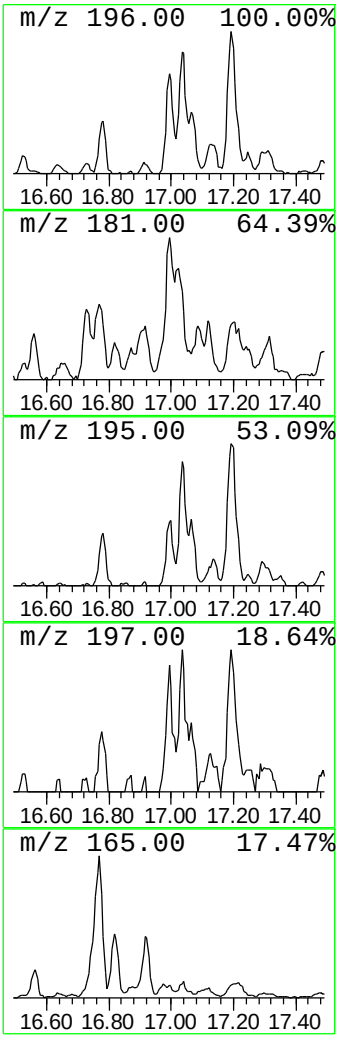
Peak Number 24 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	6.52 ng/ul	98346	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	59
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	53
5	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	50





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Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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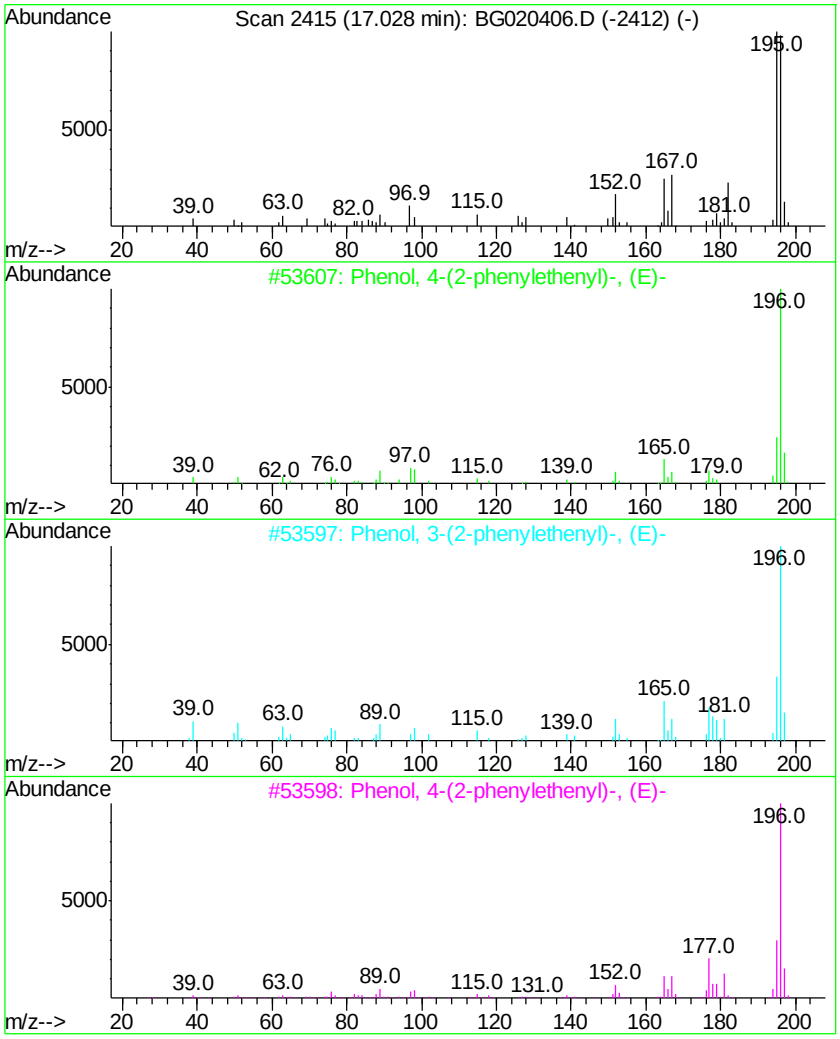
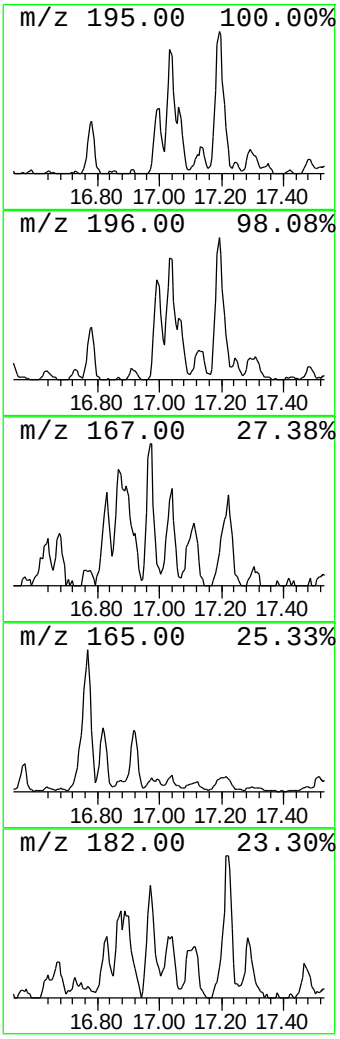
Peak Number 25 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	3.69 ng/ul	55597	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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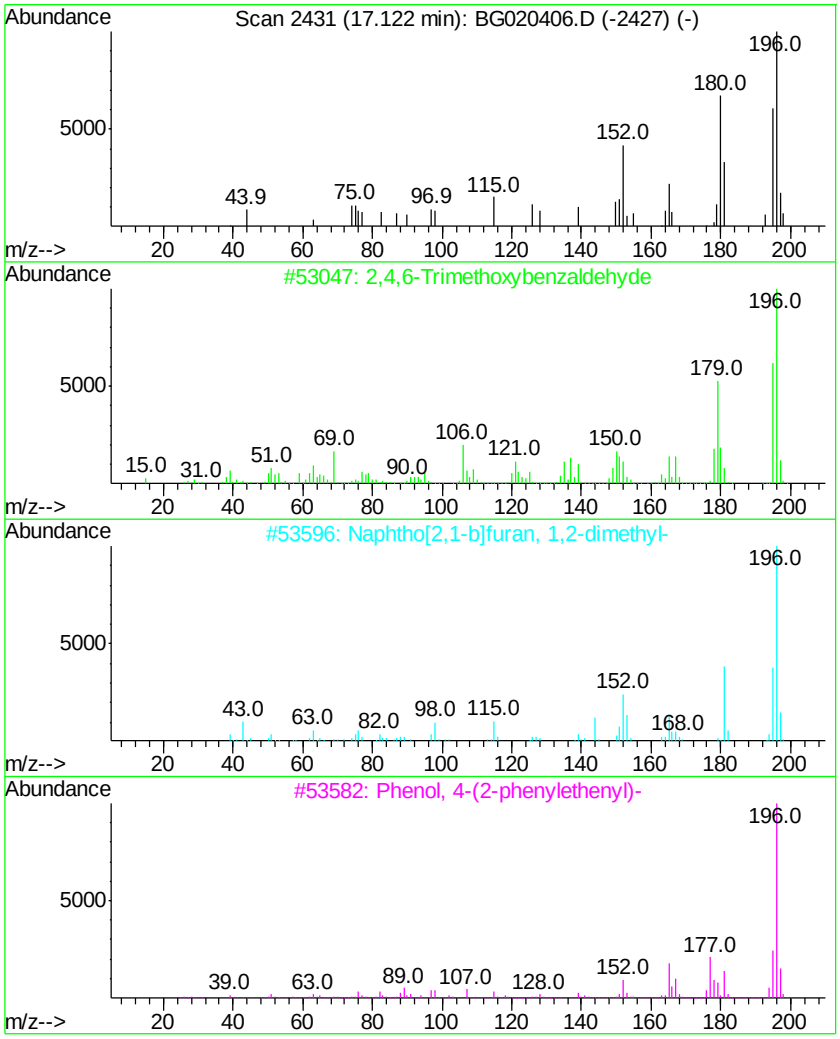
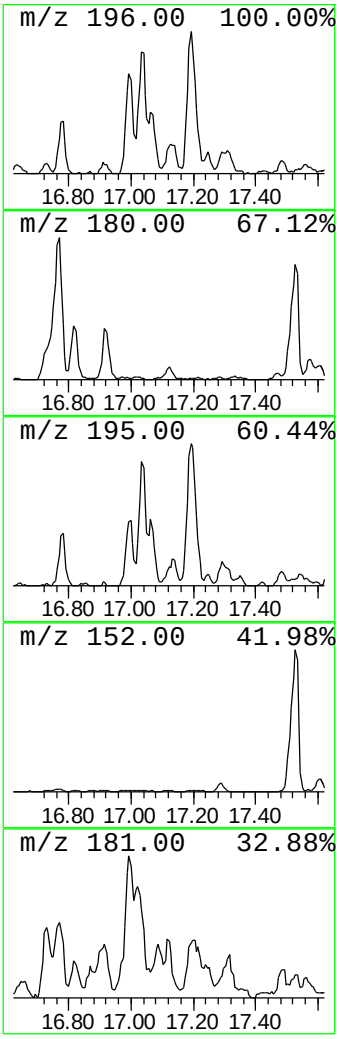
Peak Number 26 2,4,6-Trimethoxybenzaldehyde Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.56 ng/ul	38651	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	50
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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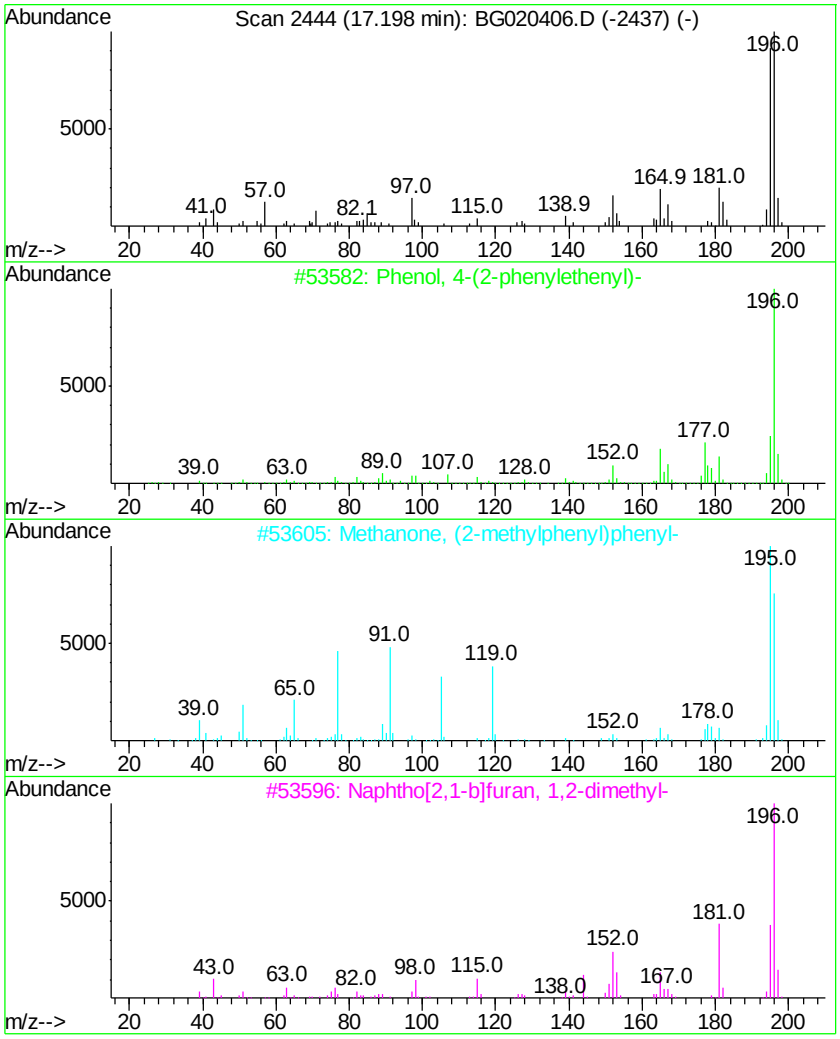
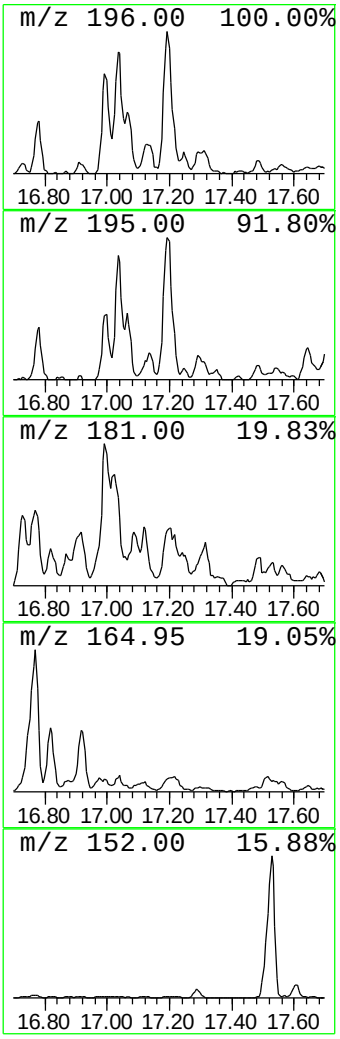
Peak Number 27 Phenol, 4-(2-phenylethenyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	10.84 ng/ul	163417	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	58
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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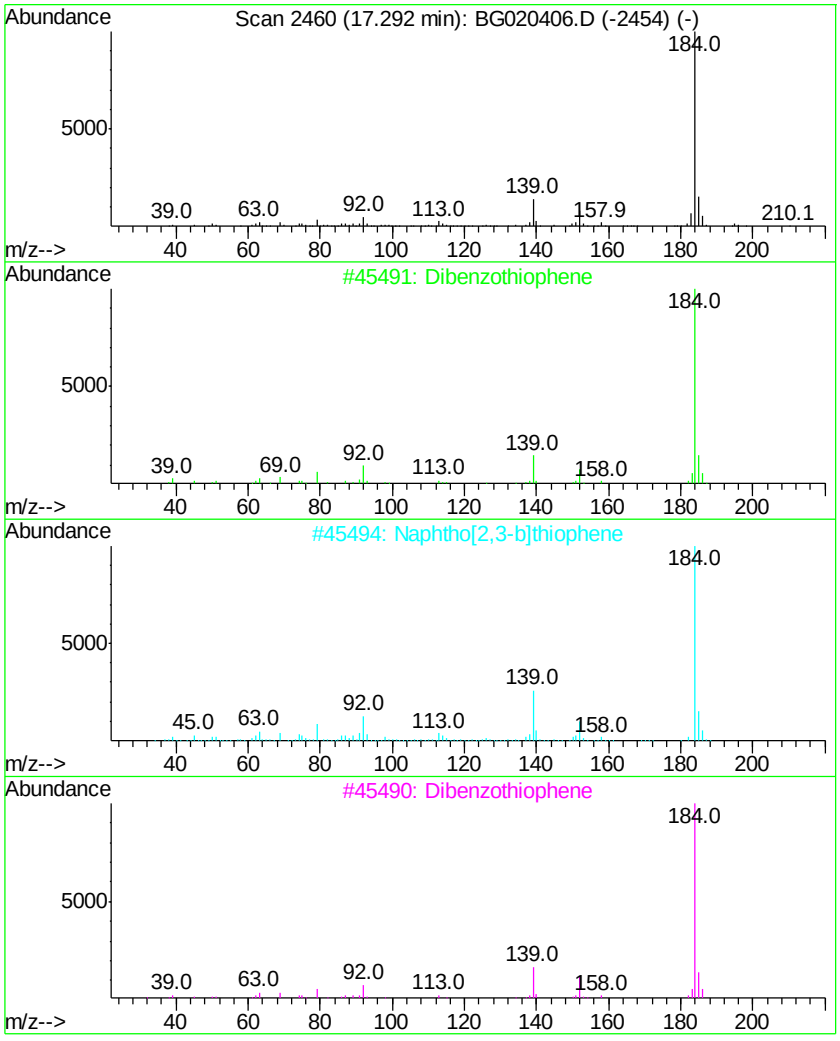
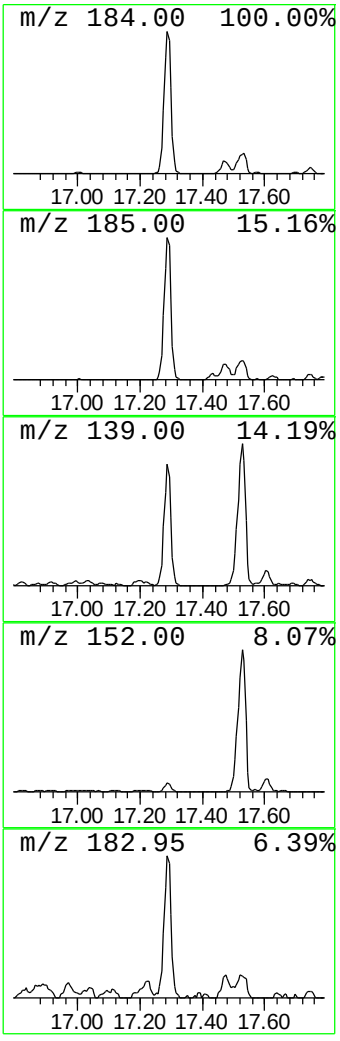
Peak Number 28 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	28.53 ng/ul	430109	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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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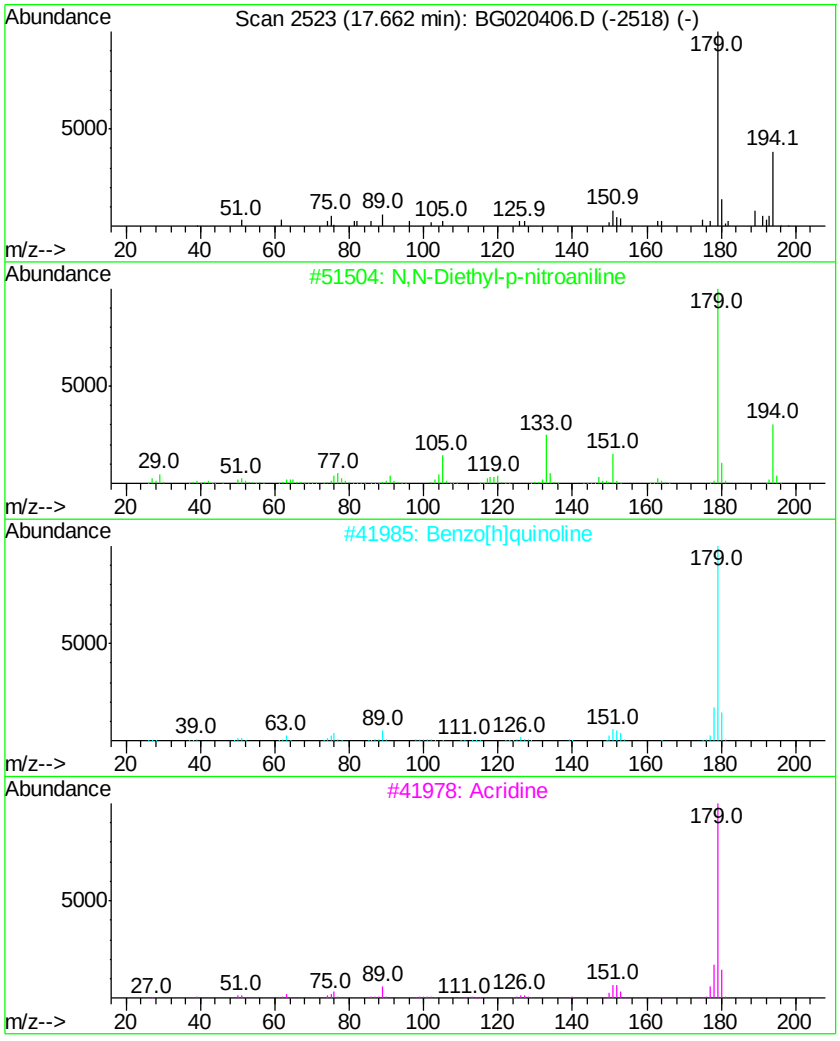
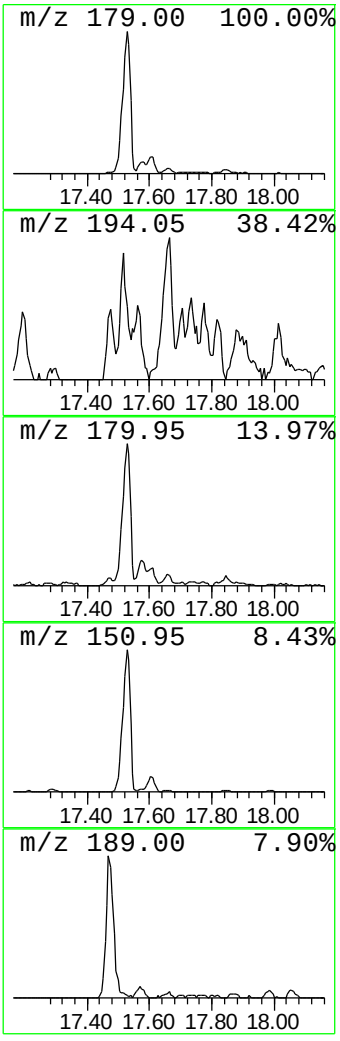
Peak Number 29 N,N-Diethyl-p-nitroaniline Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	3.07 ng/ul	46241	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Diethyl-p-nitroaniline	194	C10H14N2O2	002216-15-1	59
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	53
3	Acridine	179	C13H9N	000260-94-6	53
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	50
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
Data File : BG020406.D
Acq On : 22 Dec 2015 10:04
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

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
Naphthalene, 1-me...	12.77	51.3	ng/ul	394666	2	10.91	153878	20.0
Naphthalene, 2-et...	13.76	9.8	ng/ul	116277	3	14.72	237428	20.0
Naphthalene, 1,6-...	13.88	9.6	ng/ul	114336	3	14.72	237428	20.0
Naphthalene, 2,3-...	14.04	17.6	ng/ul	208876	3	14.72	237428	20.0
Naphthalene, 1,5-...	14.28	6.8	ng/ul	81225	3	14.72	237428	20.0
2-Naphthalenecarb...	14.85	5.1	ng/ul	60051	3	14.72	237428	20.0
Naphthalene, 2-(1...	14.92	3.1	ng/ul	36676	3	14.72	237428	20.0
1-Isopropenylnaph...	15.03	5.6	ng/ul	66261	3	14.72	237428	20.0
Naphthalene, 2,3,...	15.19	3.3	ng/ul	39148	3	14.72	237428	20.0
Benzene, [1-(2,4-...	15.86	6.1	ng/ul	72330	3	14.72	237428	20.0
(1R)-(-)-Thiocamphor	15.89	8.1	ng/ul	96668	3	14.72	237428	20.0
Nordiphenamid	15.93	17.2	ng/ul	203870	3	14.72	237428	20.0
Naphthalene, 1-(2...	15.98	3.8	ng/ul	44990	3	14.72	237428	20.0
1,1'-Biphenyl, 2-...	16.02	8.8	ng/ul	104061	3	14.72	237428	20.0
Dibenzofuran, 4-m...	16.06	18.2	ng/ul	216511	3	14.72	237428	20.0
Anthracene, 9,10-...	16.56	7.2	ng/ul	108716	4	17.47	301522	20.0
9H-Fluorene, 1-me...	16.77	17.8	ng/ul	267957	4	17.47	301522	20.0
1,1'-Biphenyl, 3-...	16.99	6.5	ng/ul	98346	4	17.47	301522	20.0
unknown-01	17.03	3.7	ng/ul	55597	4	17.47	301522	20.0
2,4,6-Trimethoxyb...	17.12	2.6	ng/ul	38651	4	17.47	301522	20.0
Phenol, 4-(2-phen...	17.20	10.8	ng/ul	163417	4	17.47	301522	20.0
Dibenzothiophene	17.29	28.5	ng/ul	430109	4	17.47	301522	20.0
N,N-Diethyl-p-nit...	17.66	3.1	ng/ul	46241	4	17.47	301522	20.0