LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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	7.256	745	752	758	rBV	54234	94653	0.88%	0.132%
2	7.620	807	814	822	rBB	55937	94791	0.88%	0.132%
3	8.090	887	894	902	rBB	73870	121953	1.13%	0.170%
4	8.631	979	986	994	rBB	98038	172047	1.60%	0.240%
5	8.801	1009	1015	1022	rBV	76240	127343	1.18%	0.177%
6	9.259	1086	1093	1105	rVB	60344	107525	1.00%	0.150%
7	10.534	1302	1310	1318	rBB2	87157	155352	1.44%	0.216%
8	10.910	1367	1374	1377	rBV	95895	178485	1.66%	0.249%
9	10.975	1377	1385	1391	rVV	1851278	3597891	33.37%	5.012%
10	11.045	1391	1397	1400	rVV	70594	134880	1.25%	0.188%
11	11.081	1400	1403	1411	rVB	72999	114417	1.06%	0.159%
12	12.567	1646	1656	1667	rVB	1190844	2021926	18.75%	2.817%
13	12.779	1680	1692	1700	rVB	629305	1052234	9.76%	1.466%
14	13.560	1816	1825	1832	rBV	512012	782830	7.26%	1.091%
15	13.754	1852	1858	1869	rVB	174957	317643	2.95%	0.443%
16	13.901	1870	1883	1891	rBV2	202120	543831	5.04%	0.758%
17	14.042	1900	1907	1912	rBV	282279	518669	4.81%	0.723%
18	14.101	1912	1917	1919	rVV	193127	323432	3.00%	0.451%
19	14.124	1919	1921	1926	rVV	174360	229258	2.13%	0.319%
20	14.283	1940	1948	1951	rBV	117312	189685	1.76%	0.264%
21	14.418	1964	1971	1974	rBV	184669	322345	2.99%	0.449%
22	14.694	2012	2018	2021	rBV	216088	335462	3.11%	0.467%
23	14.723	2021	2023	2028	rVV3	172997	262000	2.43%	0.365%
24	14.800	2028	2036	2042	rVV	2536123	4272435	39.62%	5.952%
25	14.859	2042	2046	2051	rVV	128864	192517	1.79%	0.268%
26	14.929	2051	2058	2066	rVV2	98043	200789	1.86%	0.280%
27	15.035	2066	2076	2080	rVV2	98855	200740	1.86%	0.280%
28	15.129	2085	2092	2098	rVV	1720571	2844321	26.38%	3.963%
29	15.194	2098	2103	2112	rVB	70649	122071	1.13%	0.170%
30	15.335	2121	2127	2132	rBV3	53308	99397	0.92%	0.138%
31	15.387	2132	2136	2148	rVB2	61902	97007	0.90%	0.135%
32	15.716	2188	2192	2196	rVV	224746	354427	3.29%	0.494%
33	15.781	2196	2203	2209	rVV	2174669	3572233	33.13%	4.977%
34	15.863	2209	2217	2219	rVV2	107513	218135	2.02%	0.304%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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	15.893	2219	2222	2225	rVV	167245	264964	2.46%	0.369%
36	15.934	2225	2229	2234	rVV2	312005	492006	4.56%	0.685%
37	15.981	2234	2237	2240	rVV	72768	106166	0.98%	0.148%
38	16.022	2240	2244	2247	rVV	146288	238441	2.21%	0.332%
39	16.063	2247	2251	2260	rVB	347966	529985	4.91%	0.738%
40	16.210	2265	2276	2283	rBV	361640	772106	7.16%	1.076%
41	16.562	2331	2336	2342	rVB	105785	163016	1.51%	0.227%
42	16.768	2359	2371	2376	rBV2	253316	593874	5.51%	0.827%
43	16.821	2376	2380	2385	rVV2	95464	169892	1.58%	0.237%
44	16.921	2391	2397	2402	rVB3	108166	190859	1.77%	0.266%
45	16.997	2402	2410	2413	rBV2	87360	213680	1.98%	0.298%
46	17.038	2413	2417	2420	rVV2	92733	143027	1.33%	0.199%
47	17.127	2428	2432	2438	rVB3	67921	119335	1.11%	0.166%
48	17.197	2438	2444	2451	rBV3	121117	297101	2.76%	0.414%
49	17.291	2454	2460	2469	rVB	605828	927788	8.60%	1.293%
50	17.479	2485	2492	2493	rBV	188907	295125	2.74%	0.411%
51	17.544	2493	2503	2507	rVV	5031418	10783325	100.00%	15.023%
52	17.579	2507	2509	2511	rVV	267534	304330	2.82%	0.424%
53	17.614	2511	2515	2520	rVB	502589	689585	6.39%	0.961%
54	17.873	2554	2559	2567	rVV	354198	582337	5.40%	0.811%
55	17.984	2573	2578	2582	rVV2	134710	207432	1.92%	0.289%
56	18.049	2582	2589	2597	rVB5	60884	158933	1.47%	0.221%
57	18.190	2608	2613	2622	rVB	55690	125711	1.17%	0.175%
58	18.343	2634	2639	2643	rBV	472837	693985	6.44%	0.967%
59	18.396	2643	2648	2653	rVB	664827	971844	9.01%	1.354%
60	18.472	2653	2661	2666	rBV	201171	344091	3.19%	0.479%
61	18.548	2666	2674	2678	rBV	986478	1777663	16.49%	2.477%
62	18.836	2718	2723	2728	rVV	441742	637117	5.91%	0.888%
63	18.883	2728	2731	2736	rVV	97810	137460	1.27%	0.192%
64	19.077	2760	2764	2769	rVB2	80889	107370	1.00%	0.150%
65	19.248	2787	2793	2799	rBV	123787	237773	2.21%	0.331%
66	19.412	2813	2821	2826	rVB5	47796	133659	1.24%	0.186%
67	19.535	2833	2842	2847	rBV	3801747	6625396	61.44%	9.230%
68	19.765	2876	2881	2890	rVB	159519	275144	2.55%	0.383%
69	19.859	2890	2897	2898	rBV	1114755	1592821	14.77%	2.219%
70	19.894	2899	2903	2908	rVV	2759416	4316957	40.03%	6.014%
71	19.947	2908	2912	2919	rVB2	154200	245183	2.27%	0.342%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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	20.053	2919	2930	2936	rBV	213446	340784	3.16%	0.475%
73	20.205	2948	2956	2961	rBV2	162685	430850	4.00%	0.600%
74	20.252	2961	2964	2969	rVV	90150	120034	1.11%	0.167%
75	20.370	2971	2984	2988	rVV	536026	972950	9.02%	1.355%
76	20.470	2994	3001	3005	rBV	602558	883508	8.19%	1.231%
77	20.528	3005	3011	3014	rVV2	180472	362995	3.37%	0.506%
78	20.564	3014	3017	3020	rVV	115596	158348	1.47%	0.221%
79	20.605	3020	3024	3030	rVV3	60463	105738	0.98%	0.147%
80	20.664	3030	3034	3038	rVV	88435	146000	1.35%	0.203%
81	20.711	3038	3042	3045	rVV	109194	175373	1.63%	0.244%
82	21.081	3100	3105	3110	rBV	60628	116636	1.08%	0.162%
83	21.316	3137	3145	3149	rBV	172045	298924	2.77%	0.416%
84	21.363	3149	3153	3157	rVV	171388	275410	2.55%	0.384%
85	21.410	3157	3161	3166	rVV2	136639	245172	2.27%	0.342%
86	21.451	3166	3168	3183	rVB3	54023	122732	1.14%	0.171%
87	21.598	3184	3193	3201	rBV	54185	133793	1.24%	0.186%
88	21.727	3206	3215	3222	rBV3	887249	2109498	19.56%	2.939%
89	21.792	3222	3226	3239	rVB	611131	1061763	9.85%	1.479%
90	21.950	3247	3253	3260	rBV	162687	282515	2.62%	0.394%
91	22.156	3281	3288	3295	rBV2	78303	172999	1.60%	0.241%
92	22.479	3335	3343	3348	rVV	70285	179793	1.67%	0.250%
93	22.808	3395	3399	3407	rVB3	60175	129996	1.21%	0.181%
94	23.977	3588	3598	3605	rBV	196941	671165	6.22%	0.935%
95	24.712	3714	3723	3729	rBV	88483	236304	2.19%	0.329%
96	24.794	3729	3737	3743	rVV	165648	475115	4.41%	0.662%
97	24.859	3743	3748	3763	rVV2	126481	393418	3.65%	0.548%
98	25.011	3763	3774	3783	rVV	168134	524301	4.86%	0.730%
99	25.094	3784	3788	3803	rVB2	38350	108620	1.01%	0.151%
100	28.748	4398	4410	4429	rVB3	22120	106601	0.99%	0.149%

Sum of corrected areas: 71779540

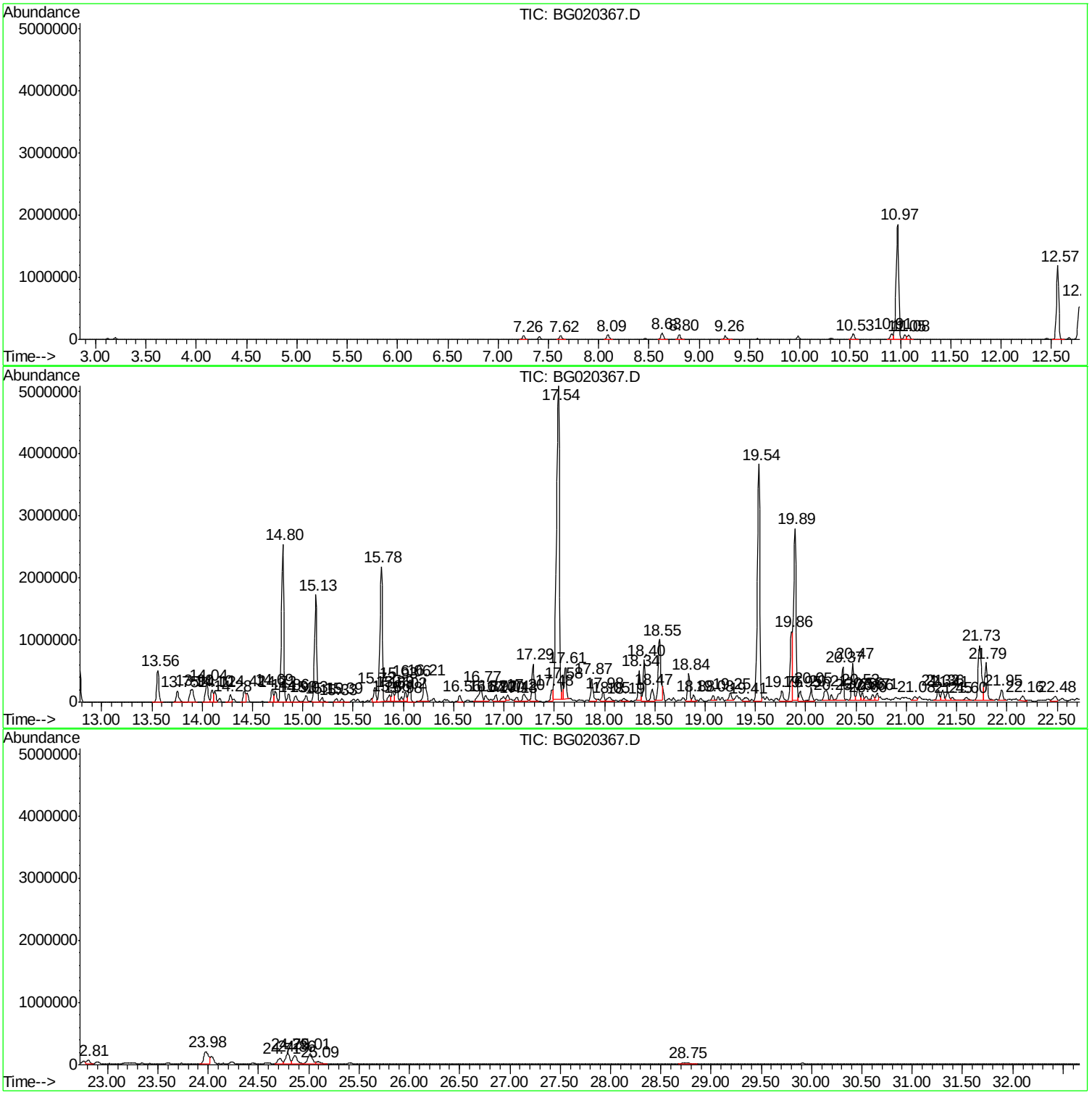
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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

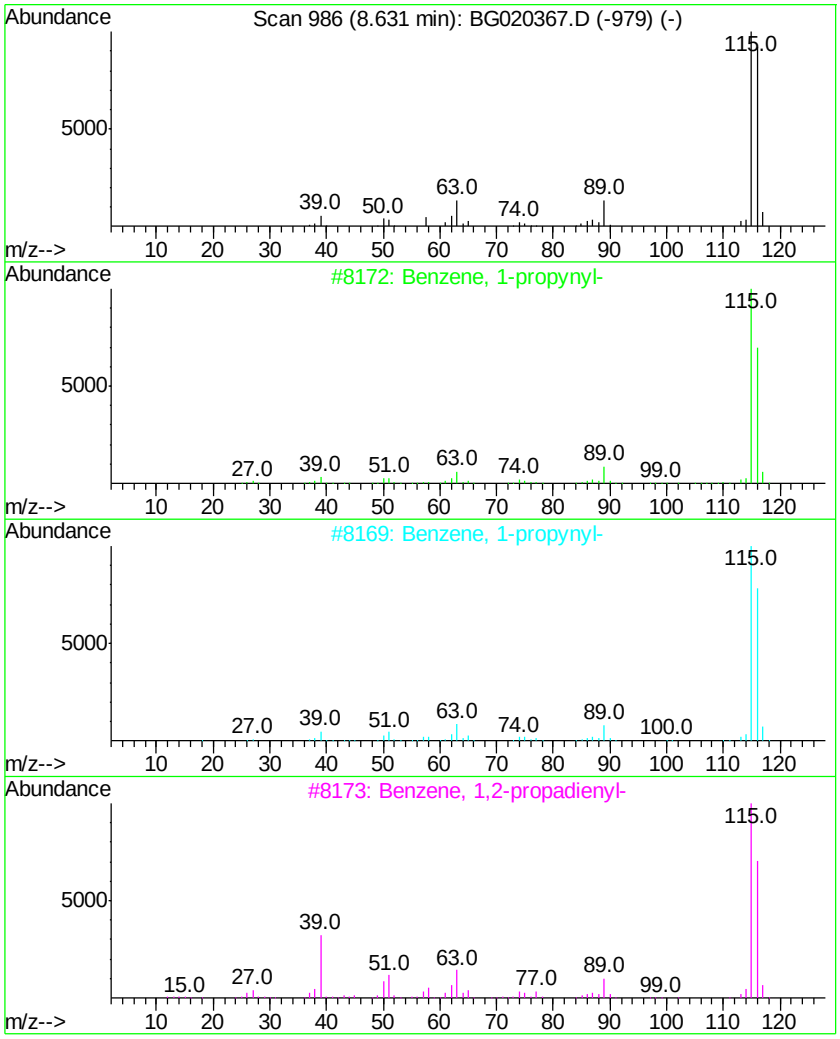
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

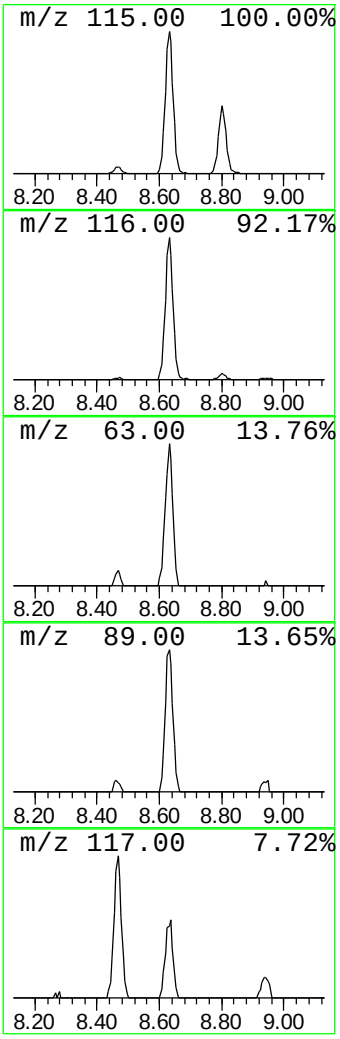
****

Peak Number 1 Benzene, 1-propynyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	28.22 ng/ul	172047	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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

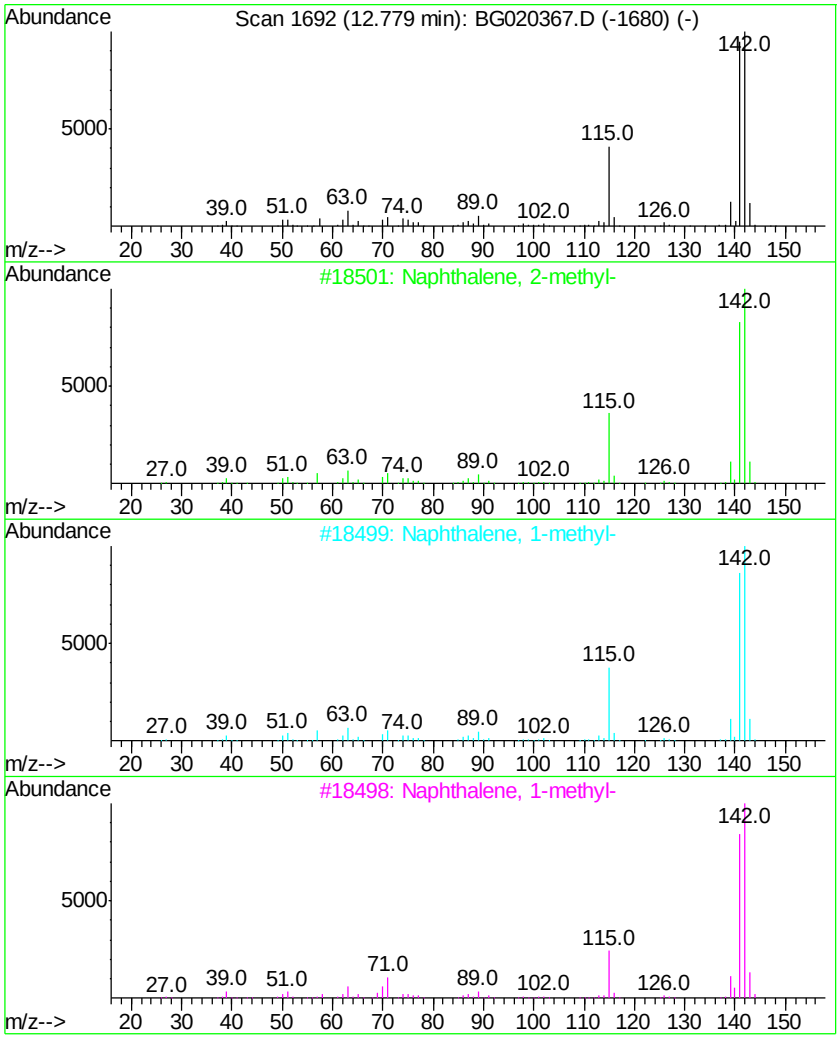
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

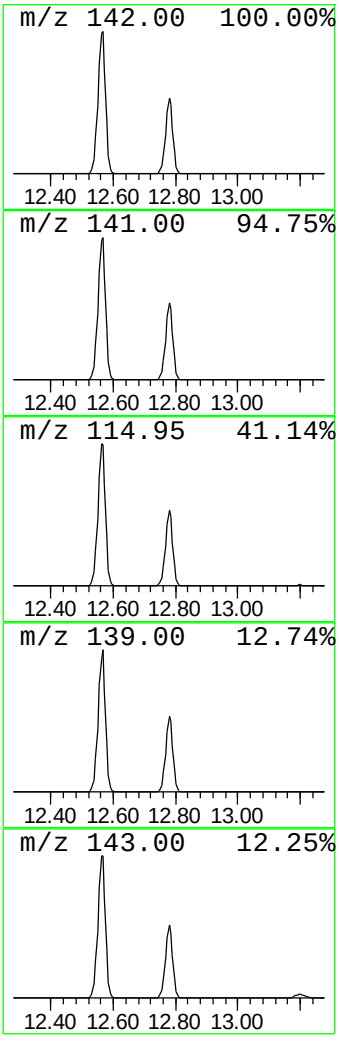
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	117.91 ng/ul	1052230	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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

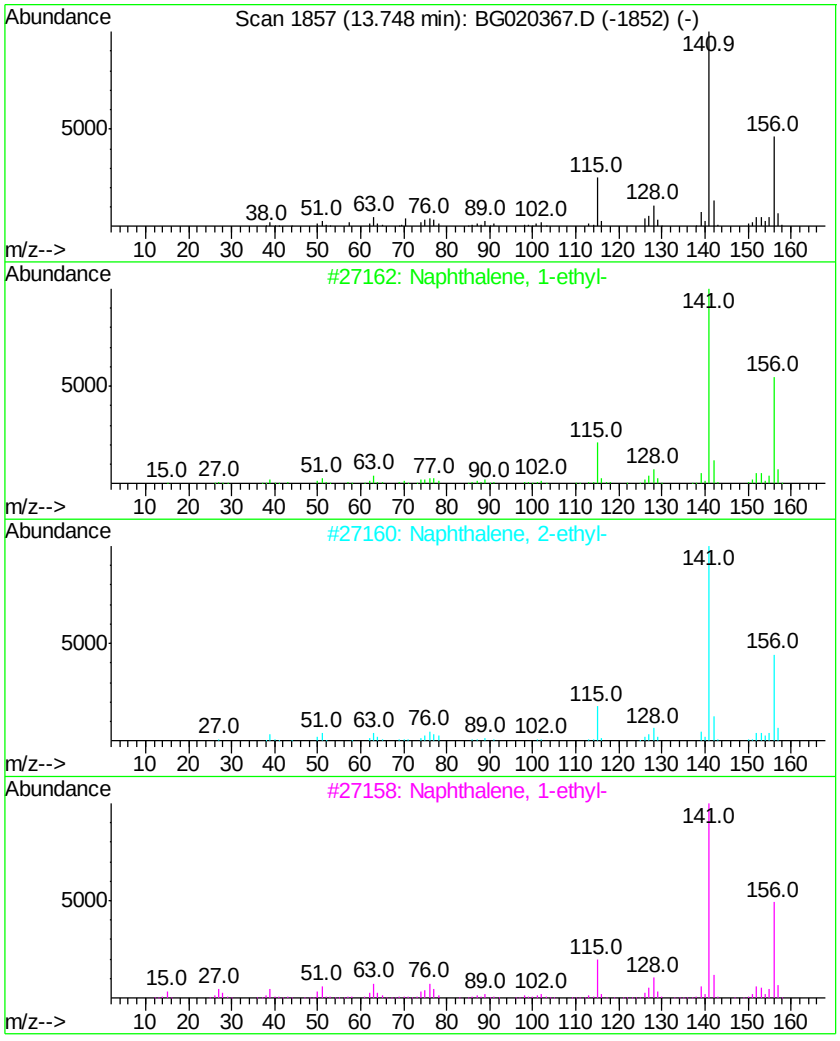
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

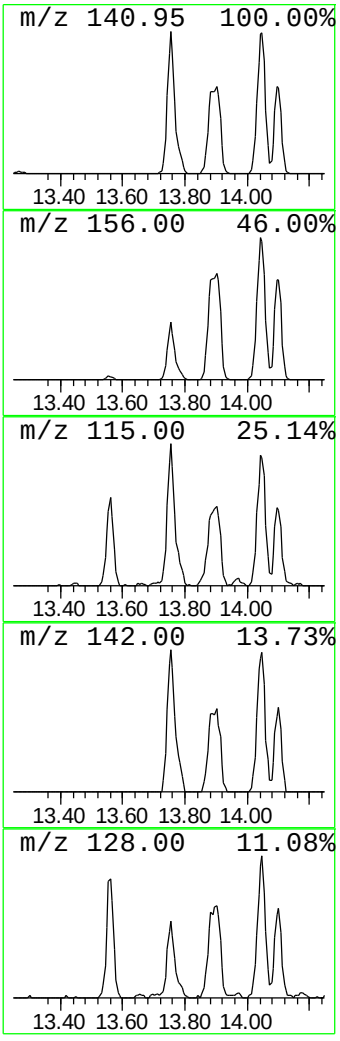
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	24.25 ng/ul	317643	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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

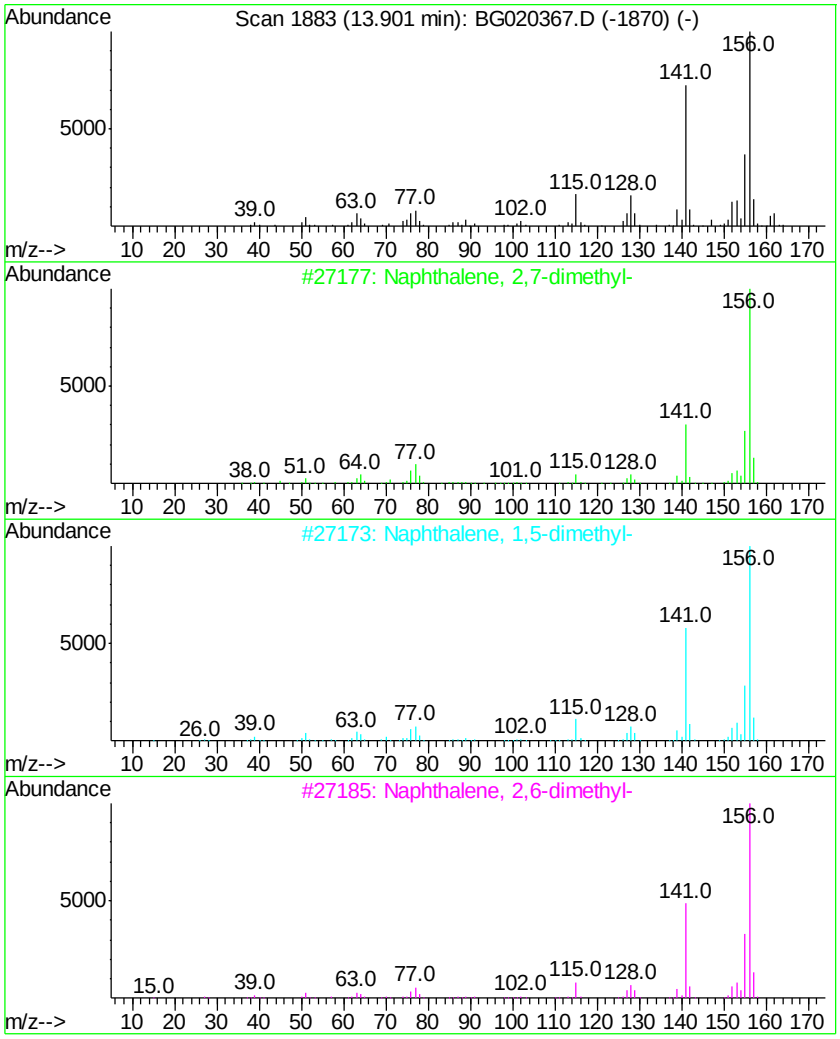
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

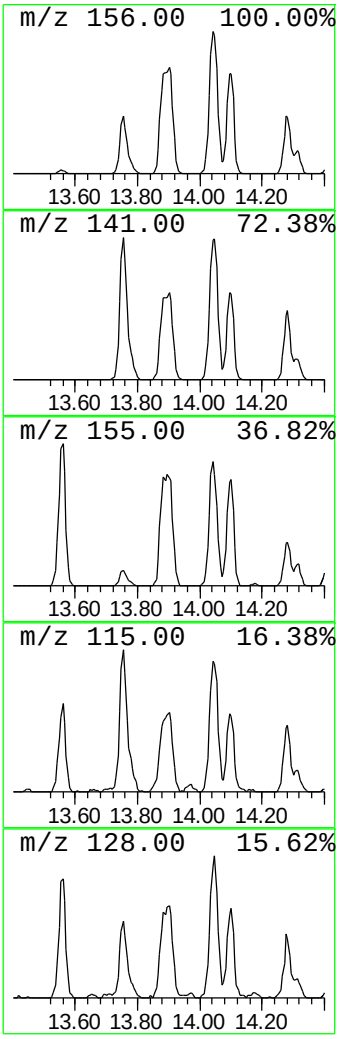
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	41.51 ng/ul	543831	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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

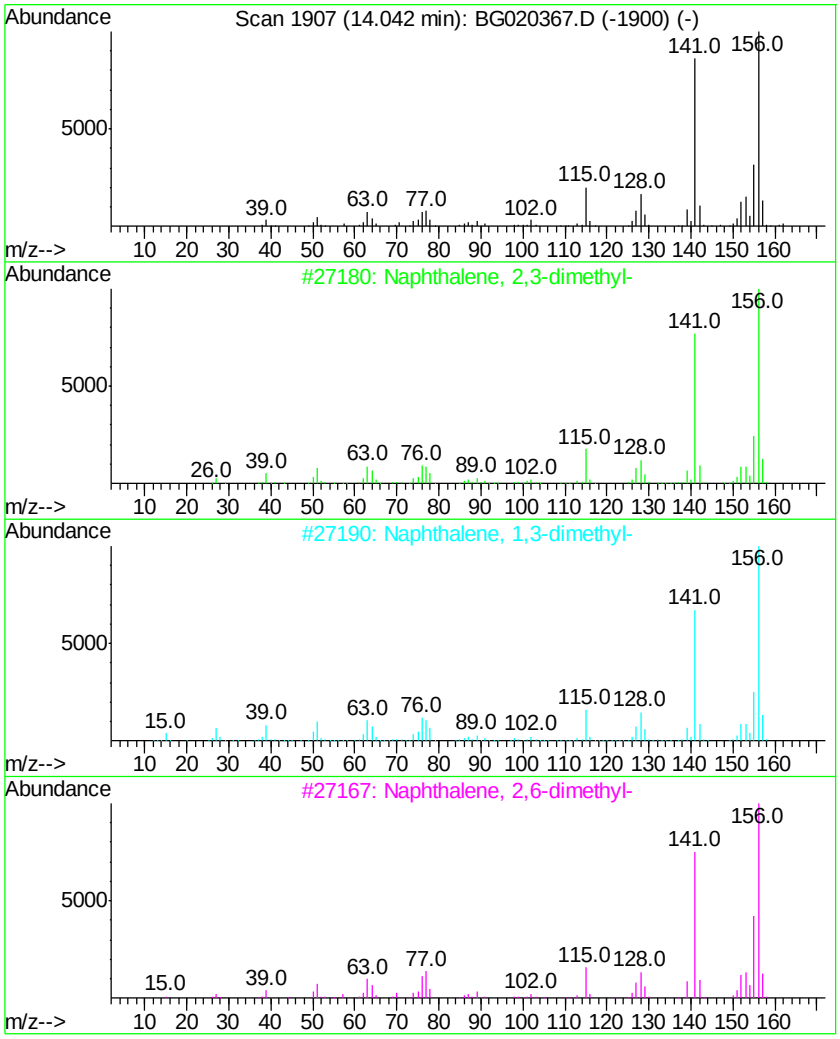
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

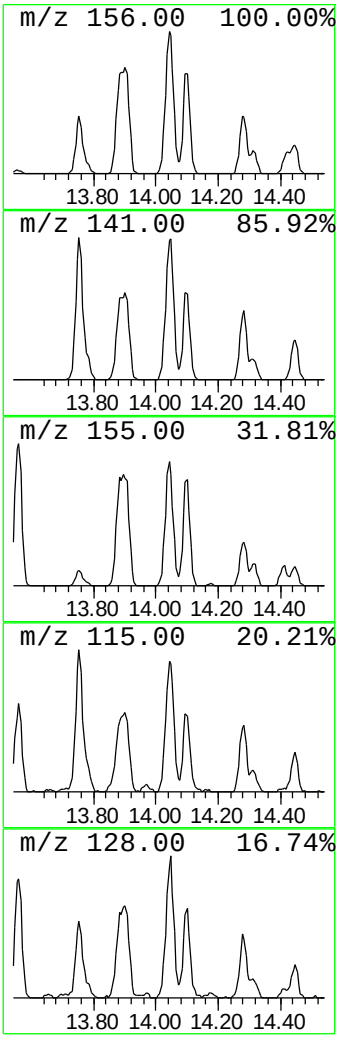
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	39.59 ng/ul	518669	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	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Operator : UM/SJ
Sample : G4848-15
Misc :
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Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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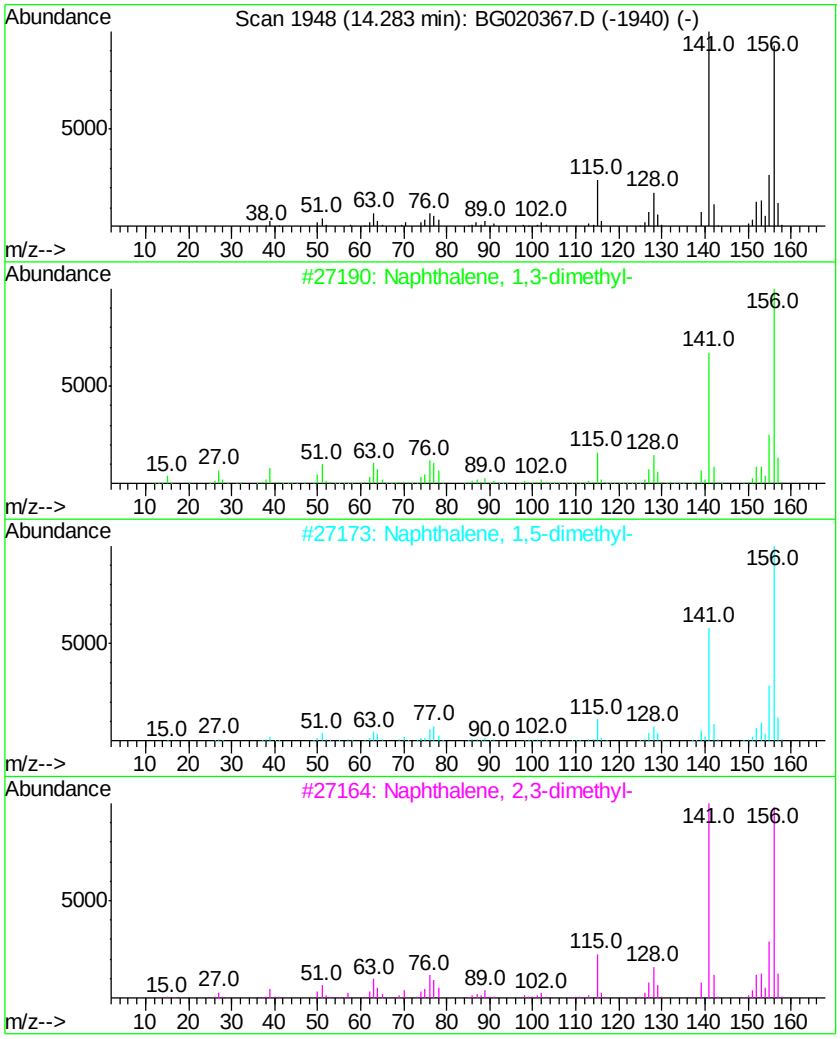
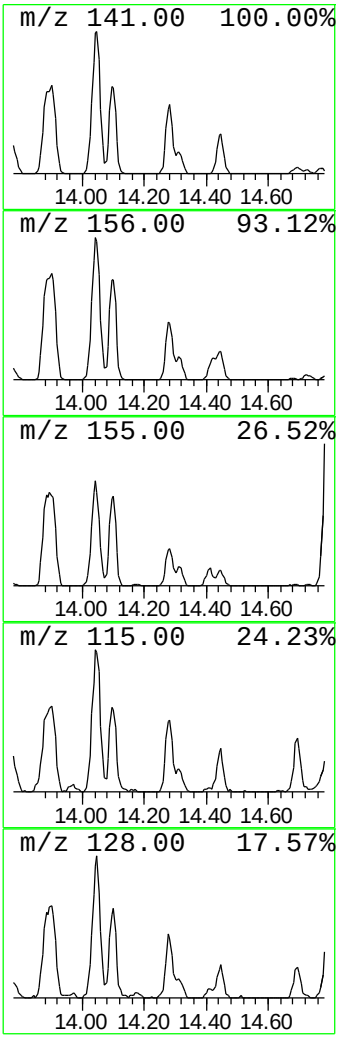
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	14.48 ng/ul	189685	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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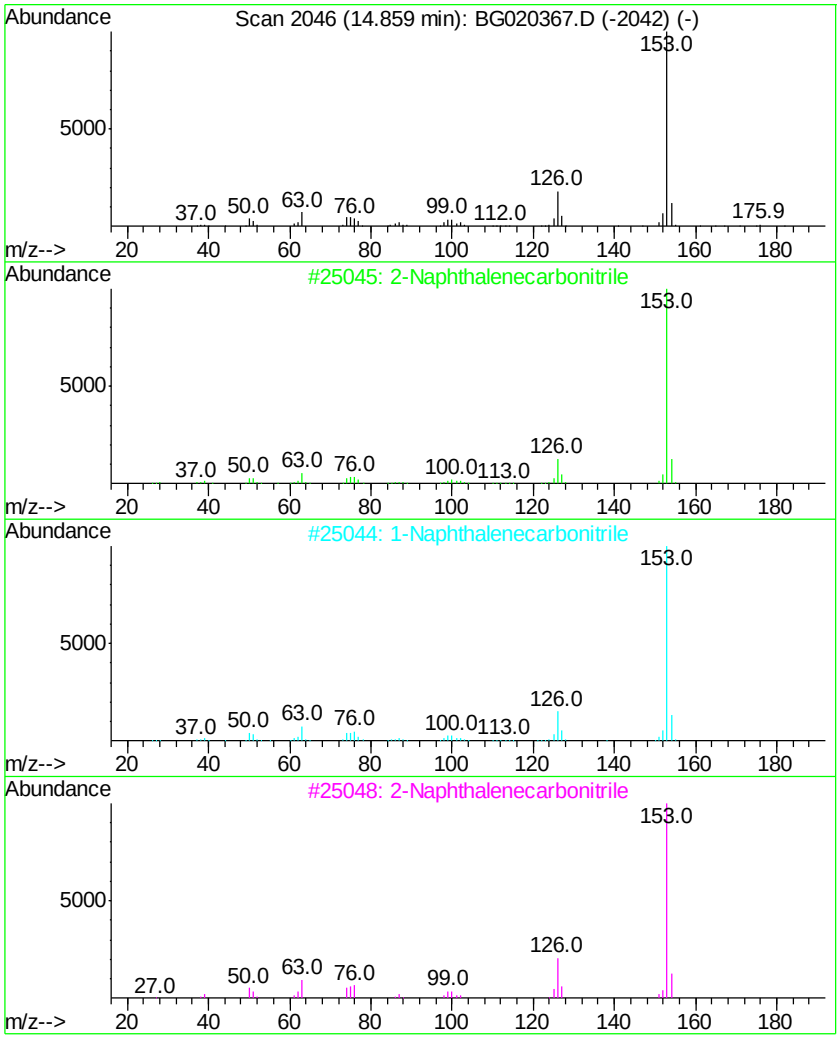
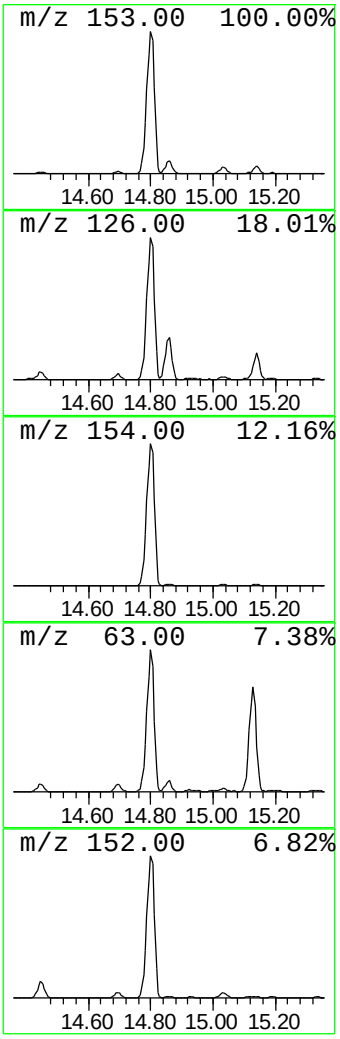
Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	14.70 ng/ul	192517	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90





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Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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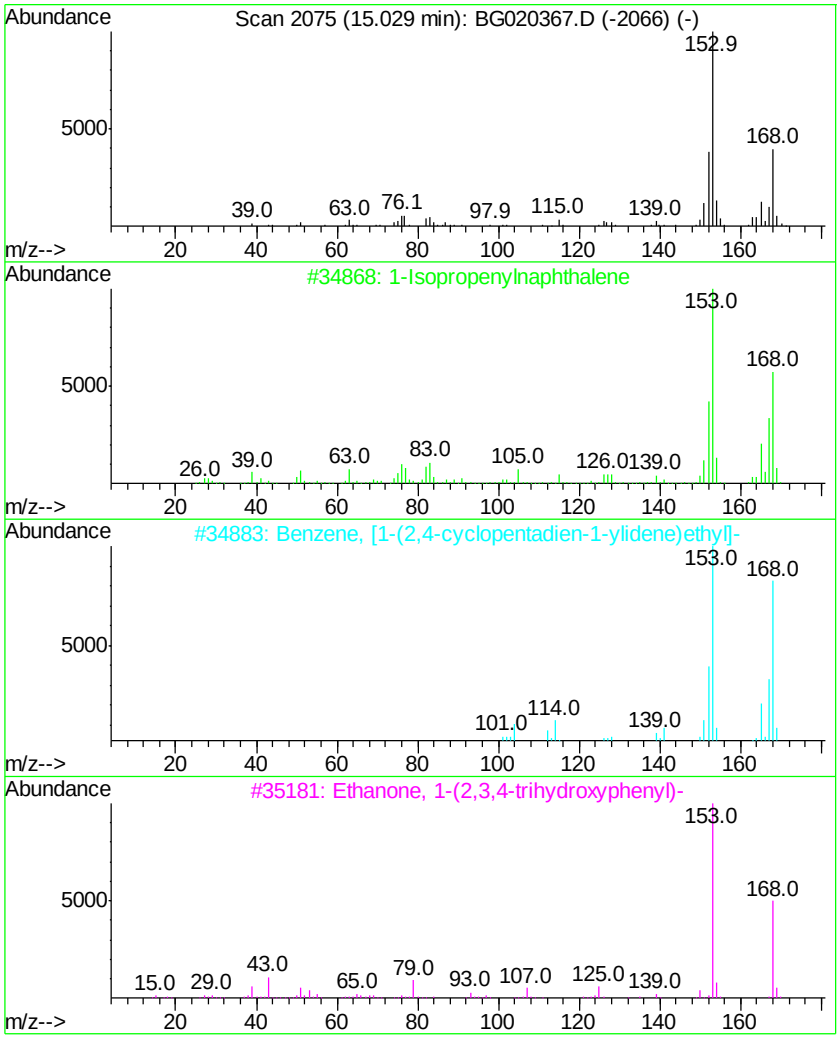
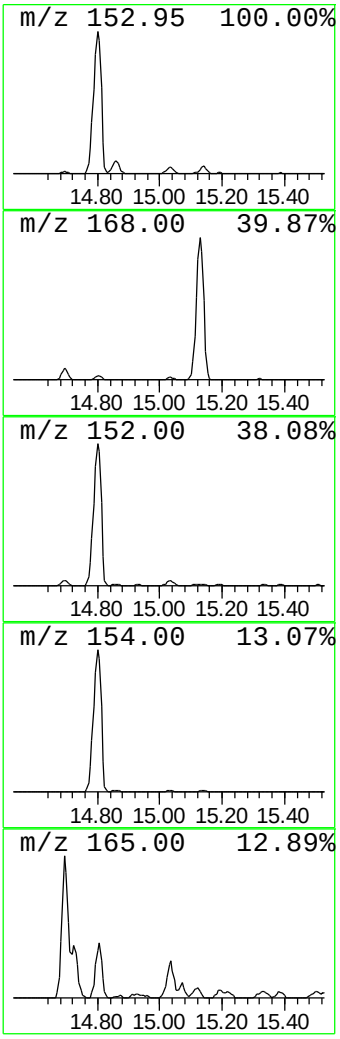
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	15.32 ng/ul	200740	Acenaphthene-d10	14.73

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	80
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52





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ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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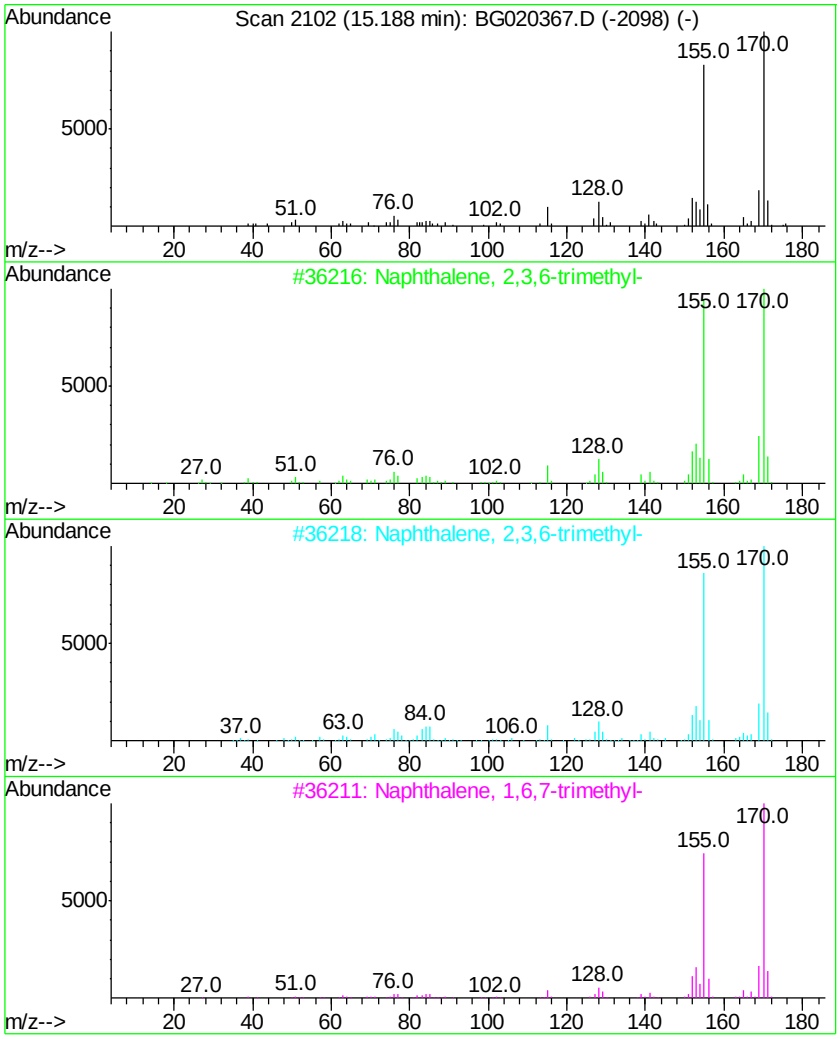
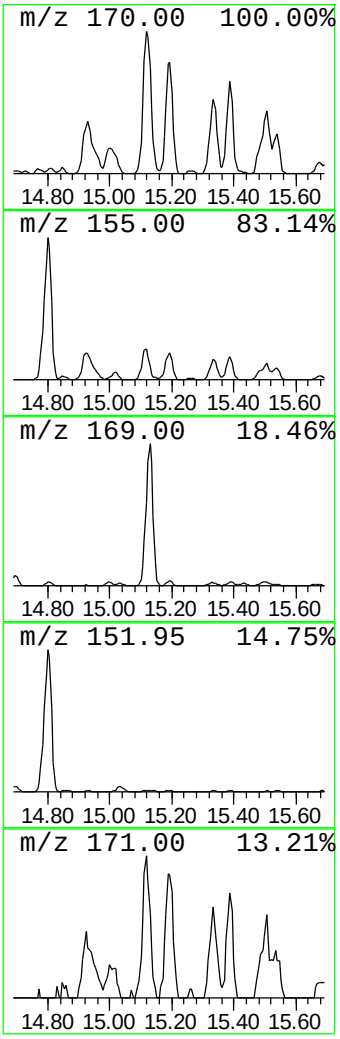
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	9.32 ng/ul	122071	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91





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Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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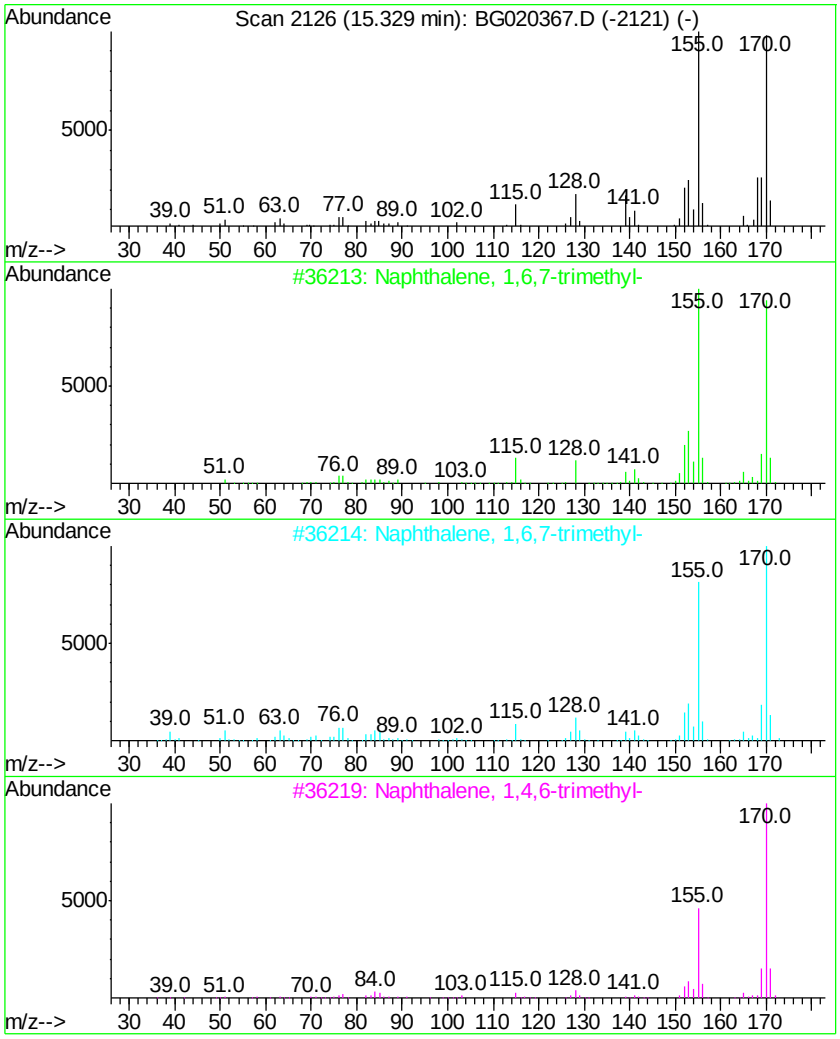
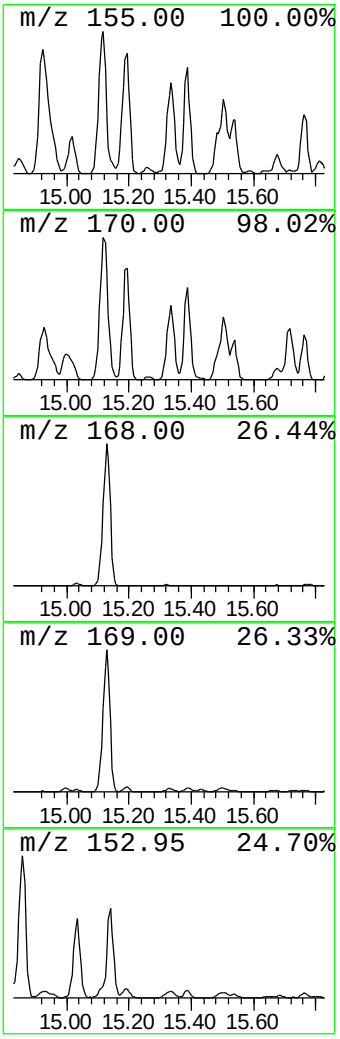
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	7.59 ng/ul	99397	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96





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Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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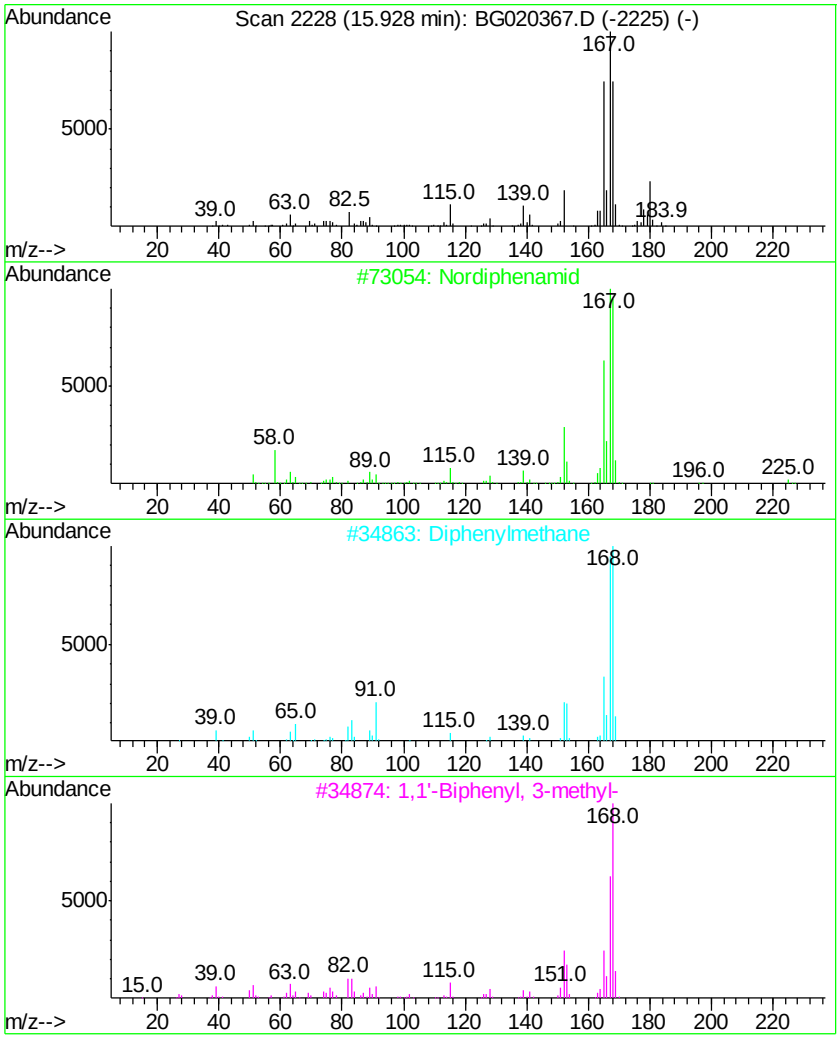
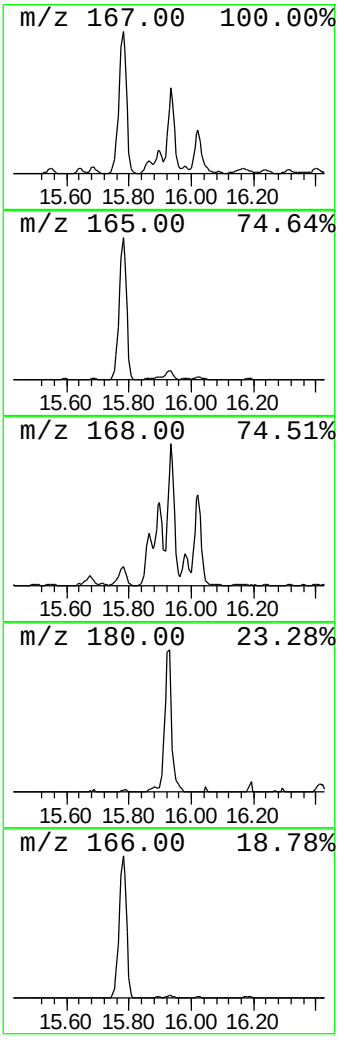
Peak Number 12 Nordiphenamid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	37.56 ng/ul	492006	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	72
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	59
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	53





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Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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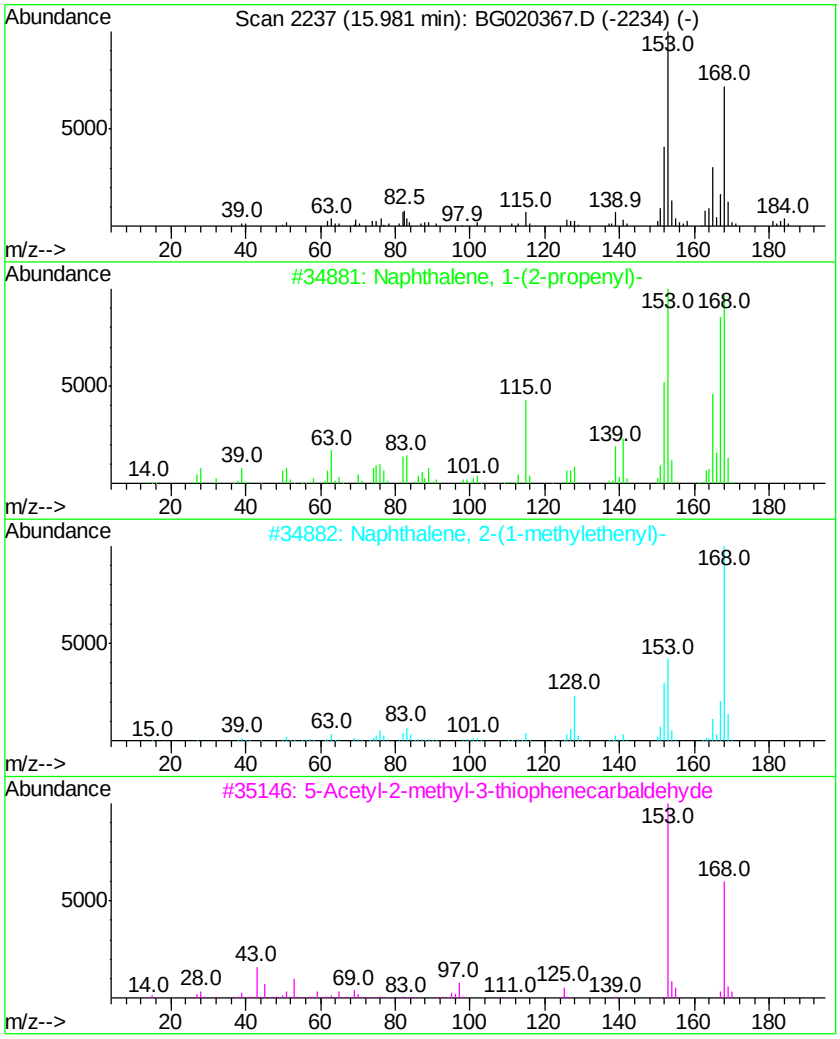
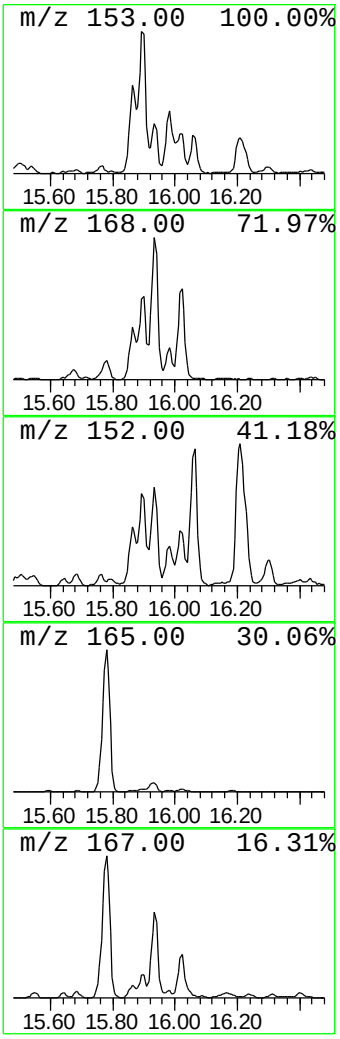
Peak Number 13 Naphthalene, 1-(2-propenyl)- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	8.10 ng/ul	106166	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
3	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47
4	1-Cyclohexene-1-ethanol, 2,6,6-t...	168	C11H20O	000472-65-1	47
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	45





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Quant Title : SVOA CALIBRATION

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

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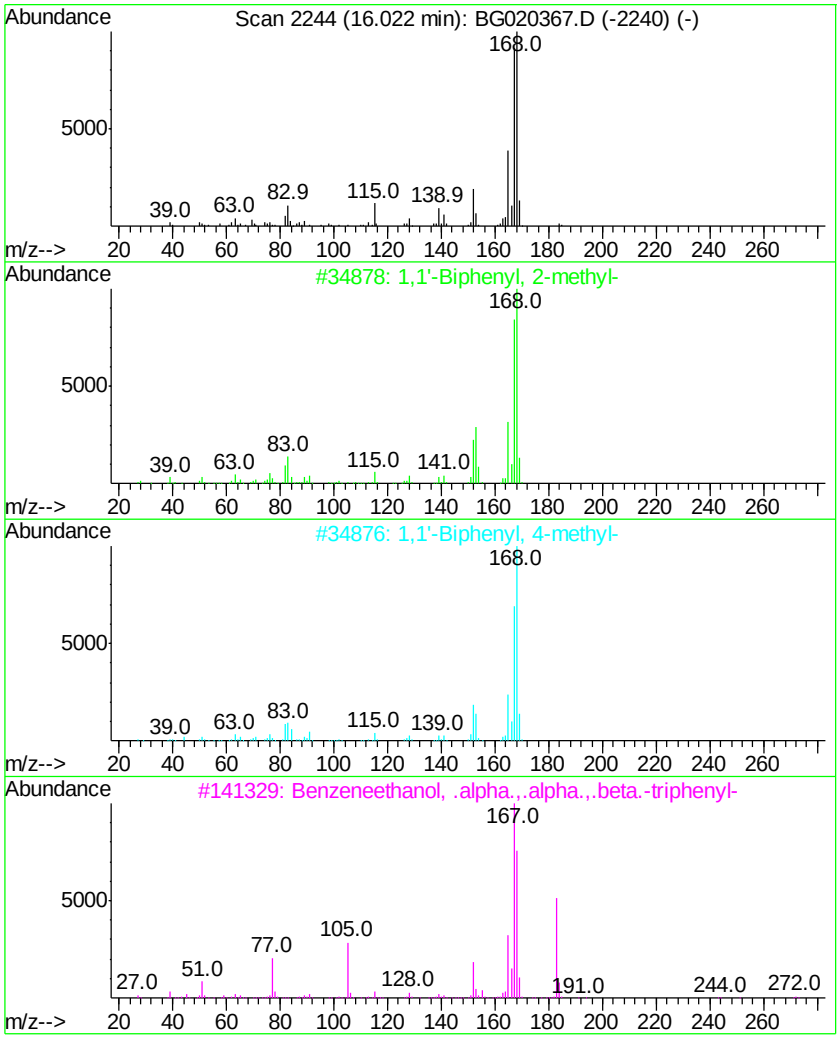
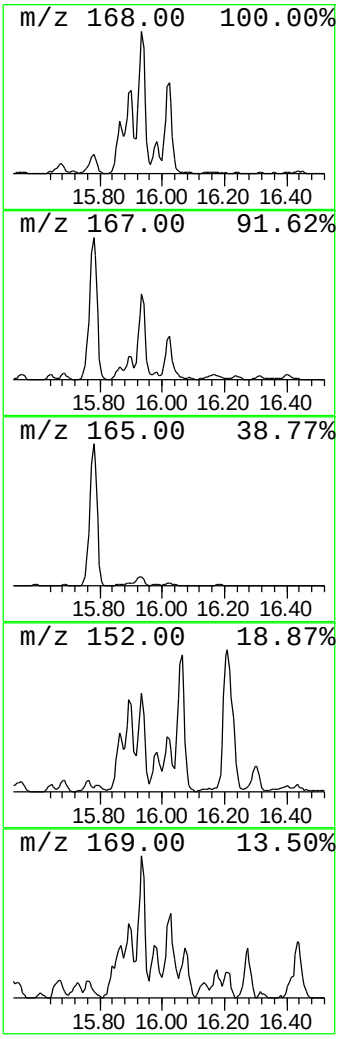
Peak Number 14 1,1'-Biphenyl, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	18.20 ng/ul	238441	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	78
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72





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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 2,4,6-Cycloheptatrien-1-one... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	40.46 ng/ul	529985	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
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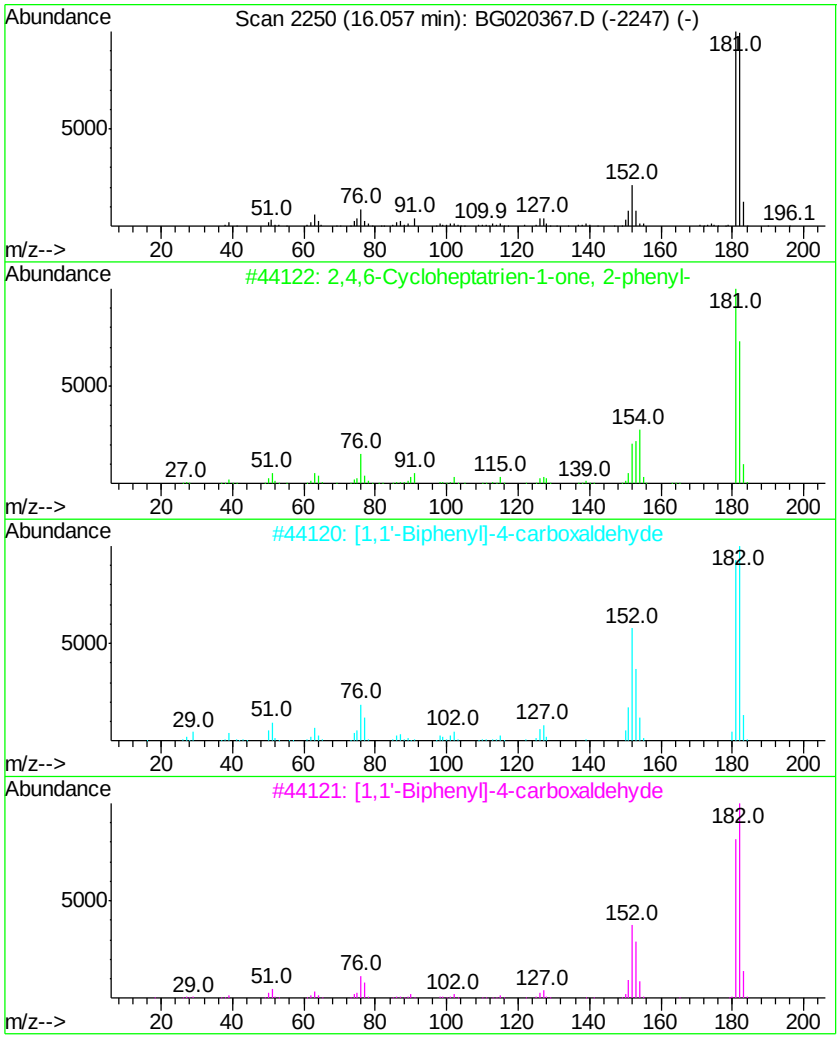

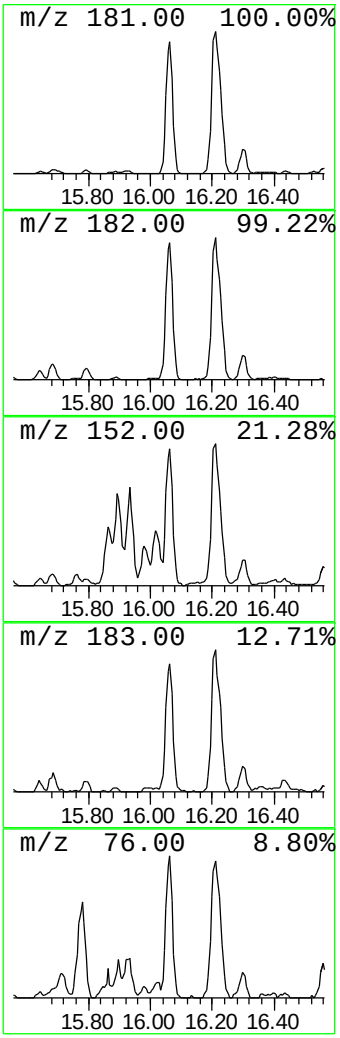

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Quant Title : SVOA CALIBRATION

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

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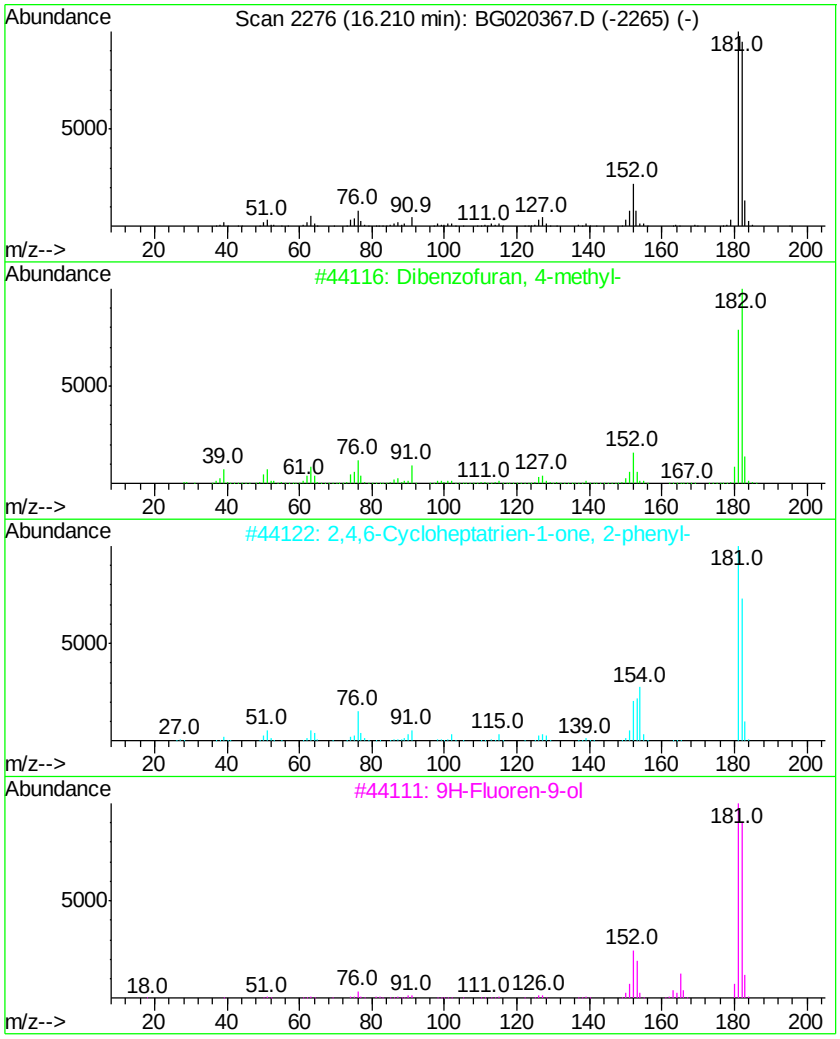
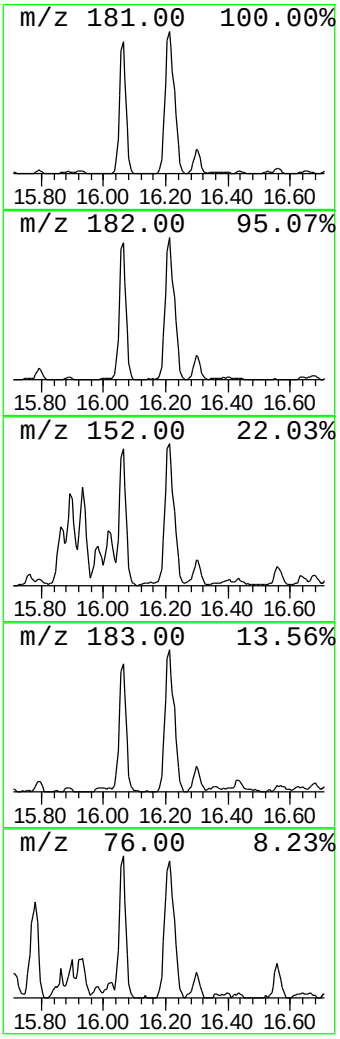
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	52.32 ng/ul	772106	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72





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

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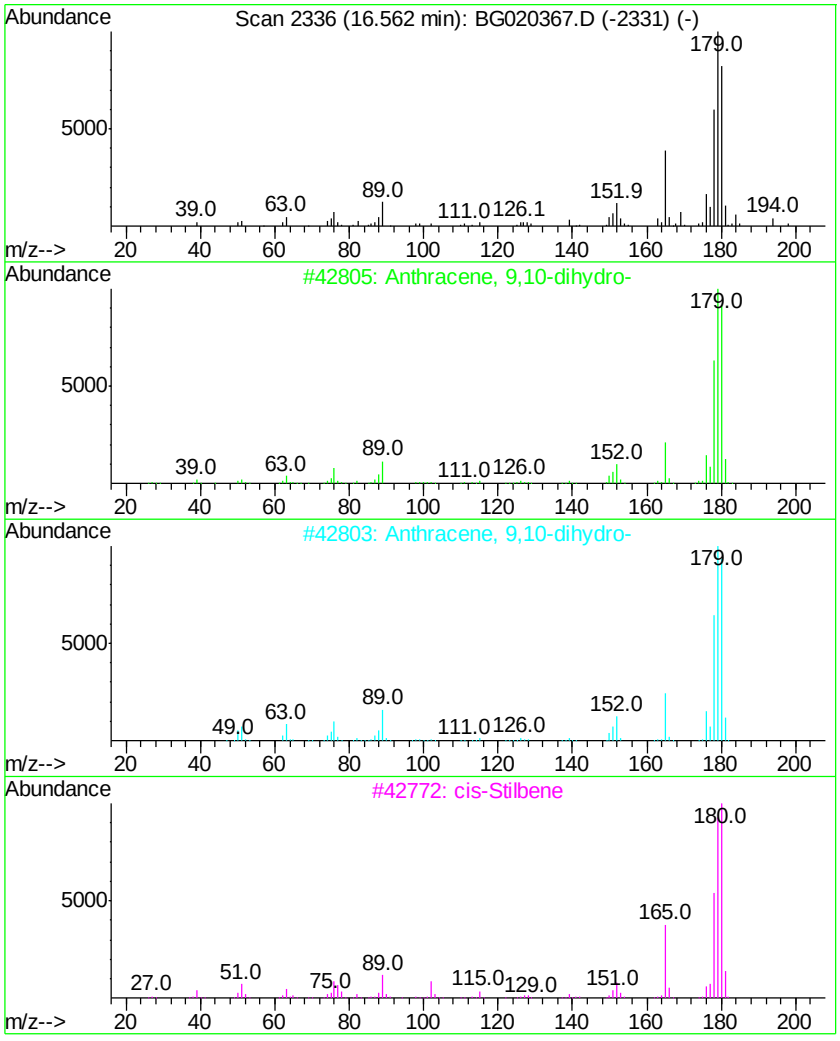
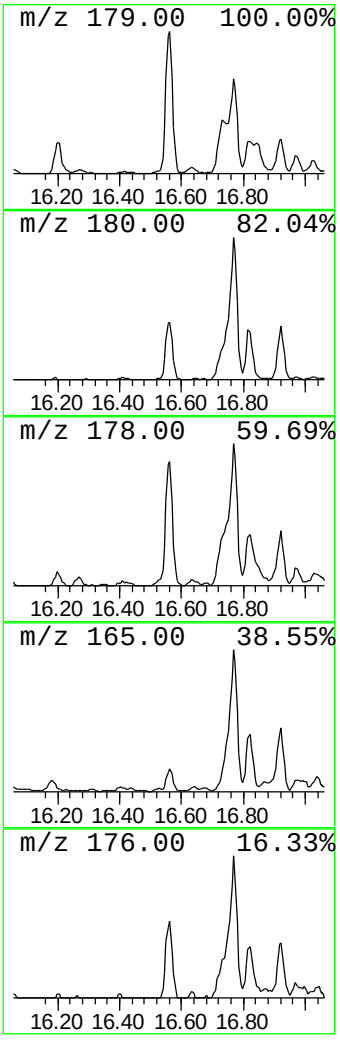
Peak Number 17 Anthracene, 9,10-dihydro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	11.05 ng/ul	163016	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	92
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	91
3	cis-Stilbene	180	C14H12	000645-49-8	90
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	89
5	(E)-Stilbene	180	C14H12	000103-30-0	83





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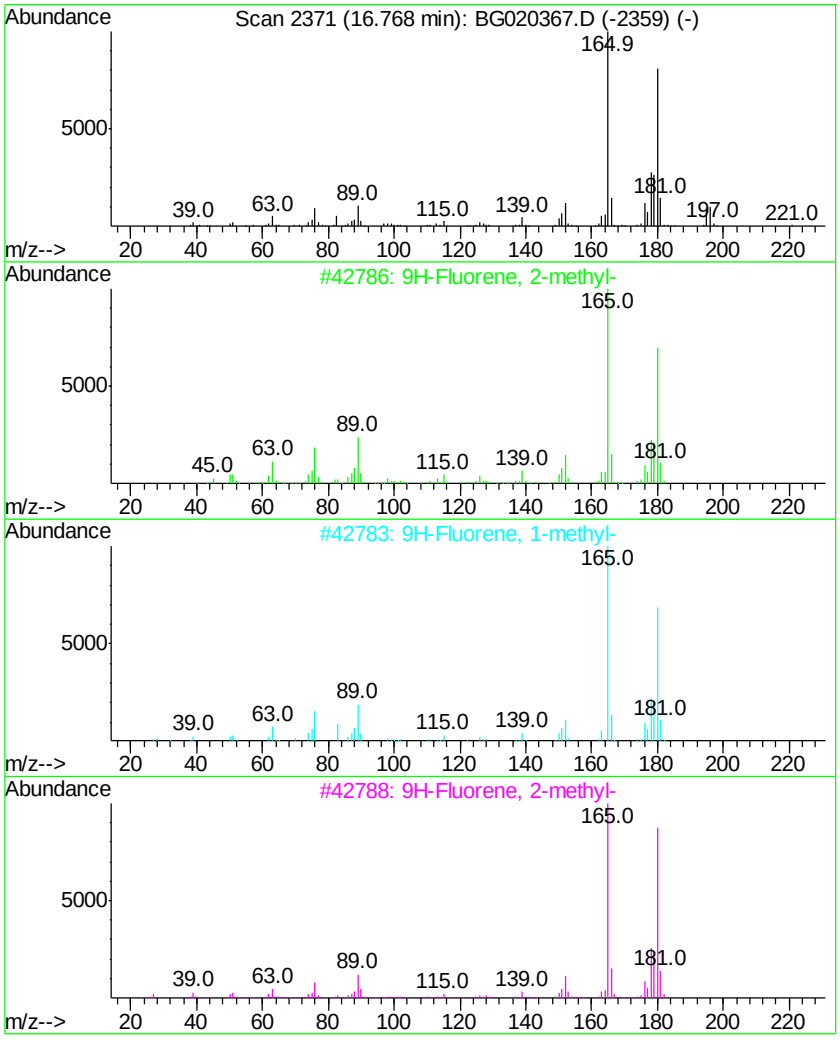
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

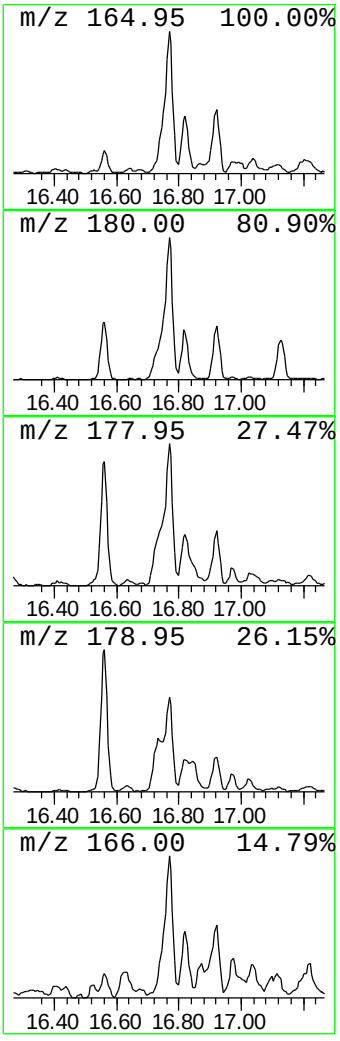
****

Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	40.25 ng/ul	593874	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90





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Data File : BG020367.D
Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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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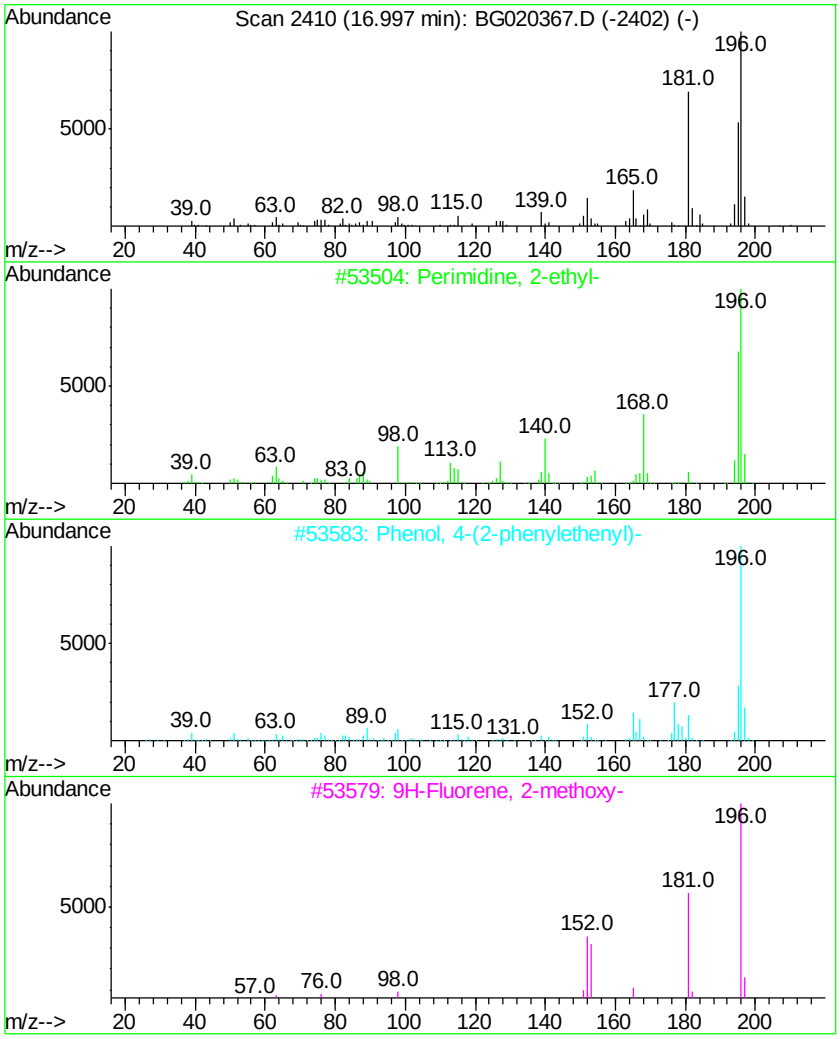
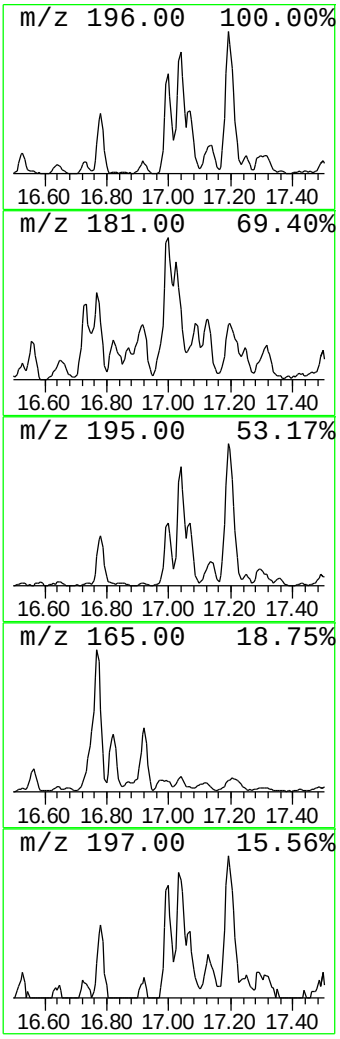
Peak Number 21 Perimidine, 2-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	14.48 ng/ul	213680	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	58
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
3	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	50
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	50
5	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	49





Library Search Compound Report

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Acq On : 21 Dec 2015 7:04
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Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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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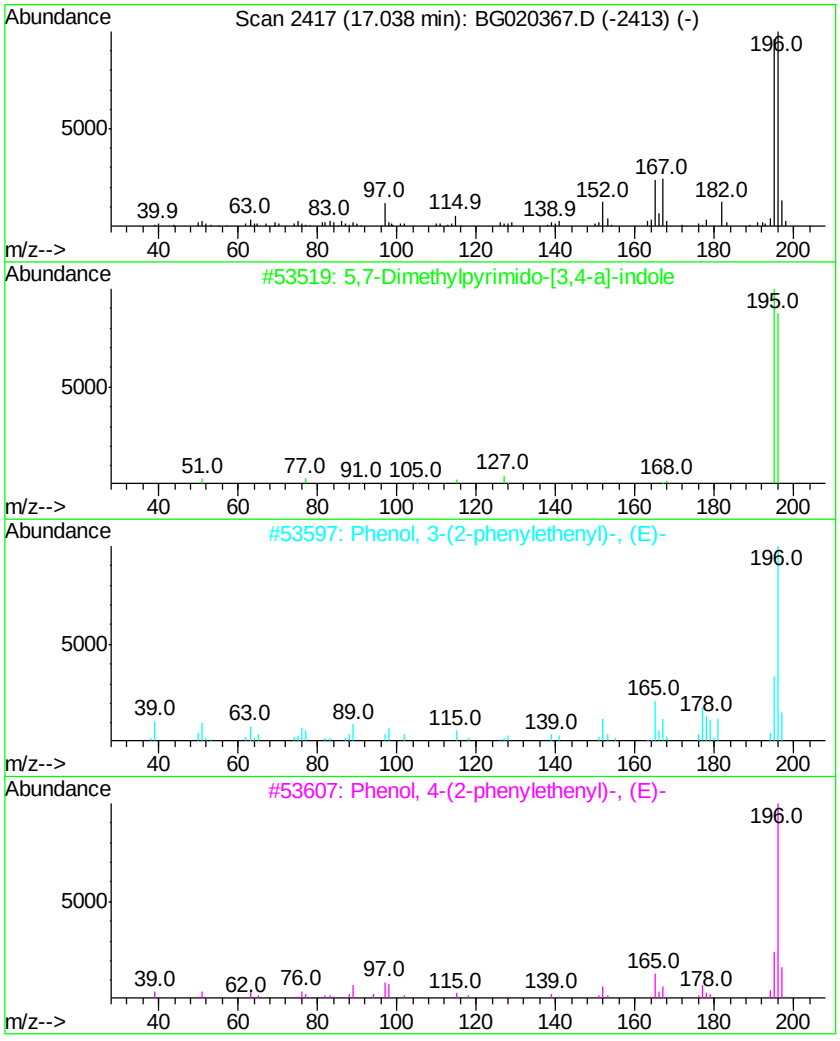
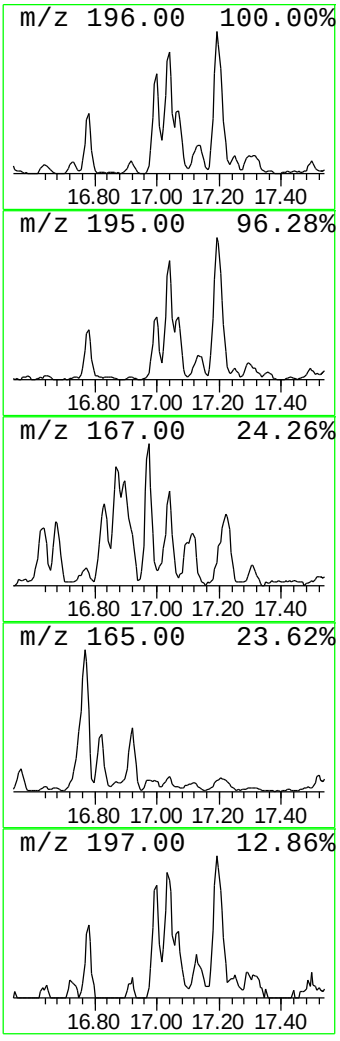
Peak Number 22 5,7-Dimethylpyrimido-[3,4-a... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	9.69 ng/ul	143027	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38





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Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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

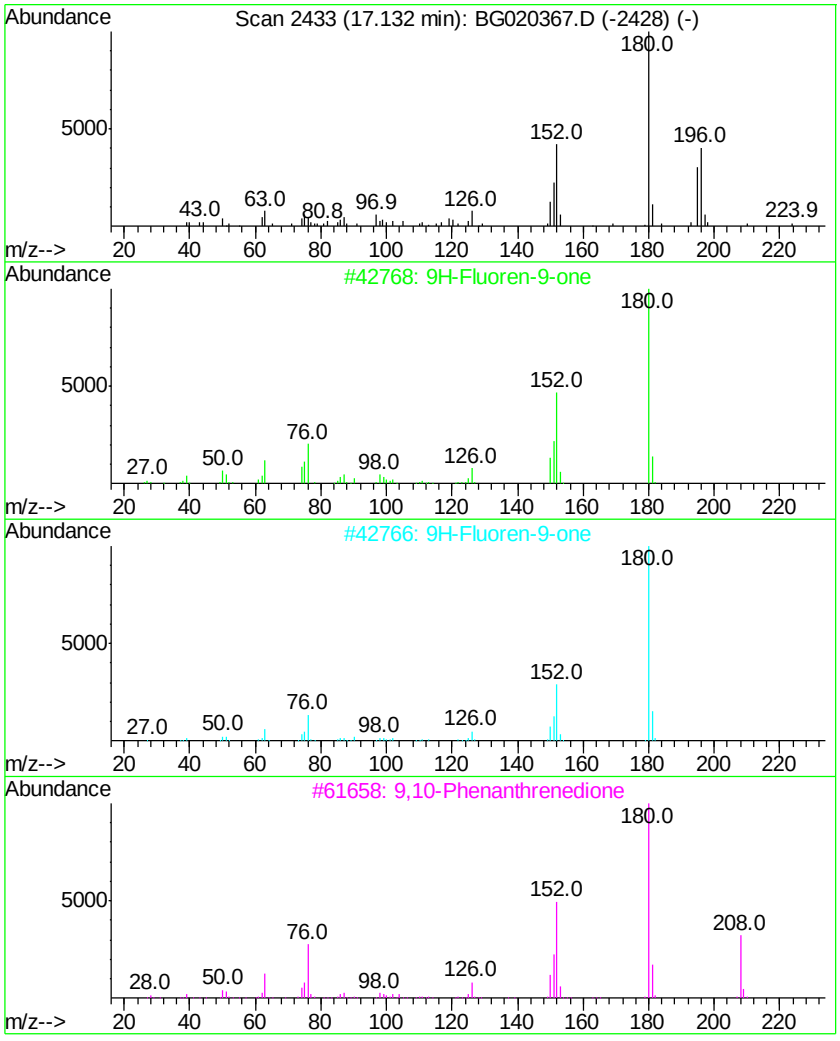
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

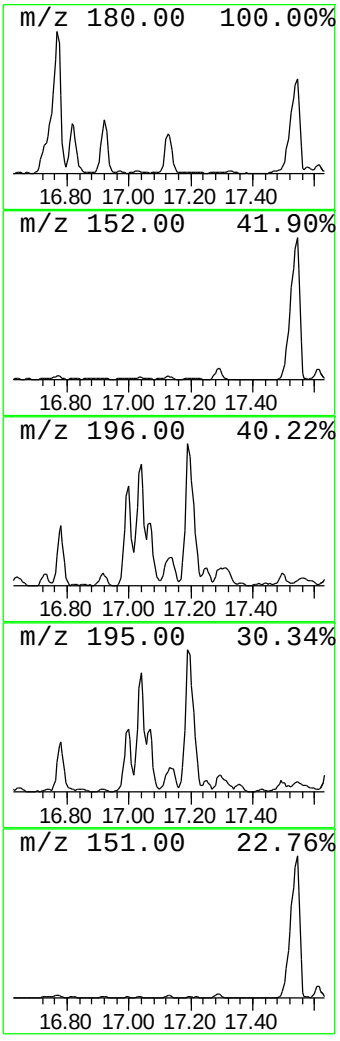
****

Peak Number 23 9H-Fluoren-9-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	8.09 ng/ul	119335	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	59
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53





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Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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

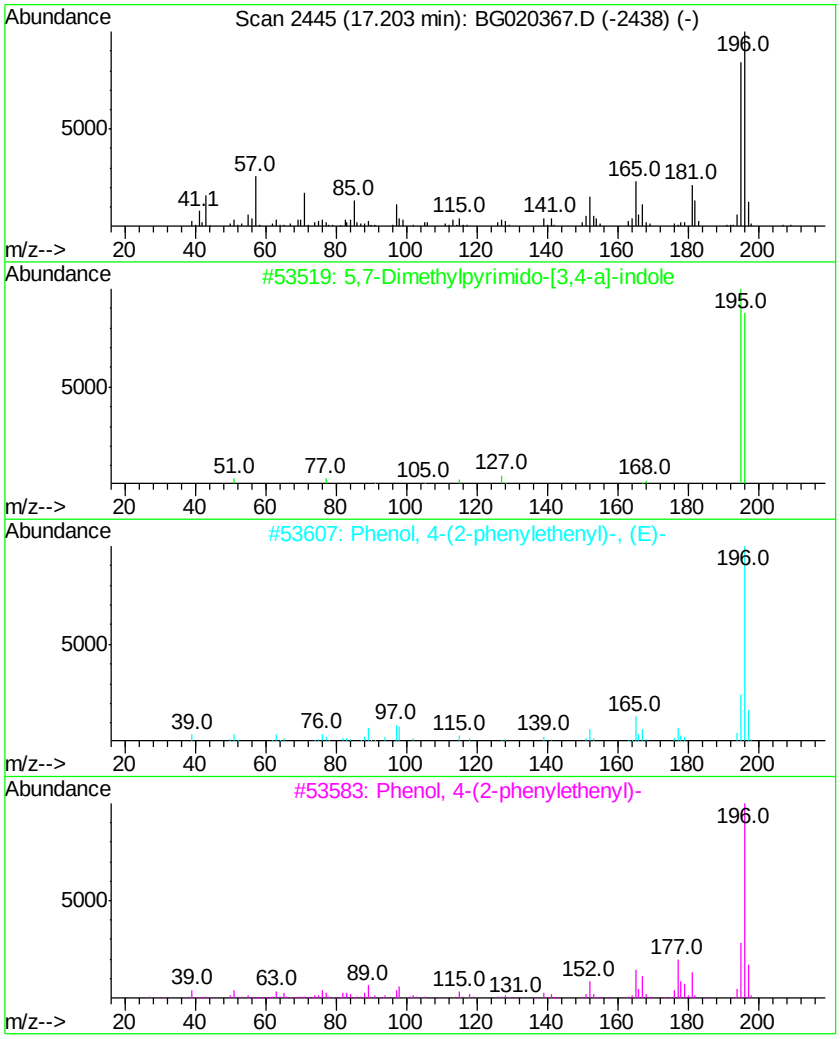
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

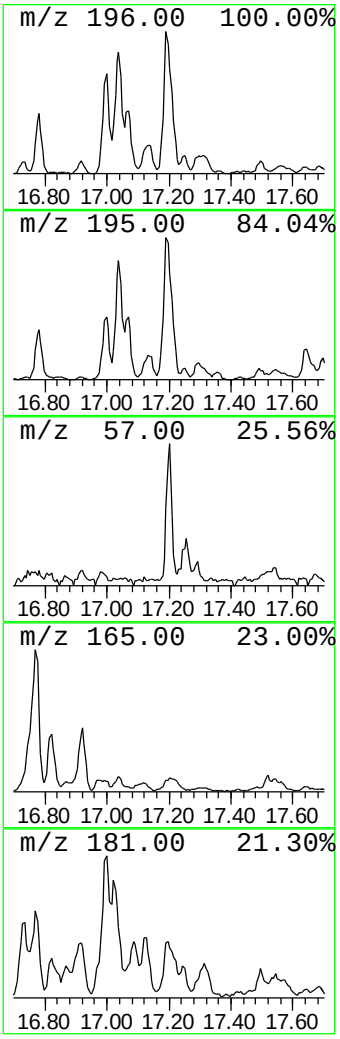
****

Peak Number 24 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	20.13 ng/ul	297101	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43





Library Search Compound Report

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Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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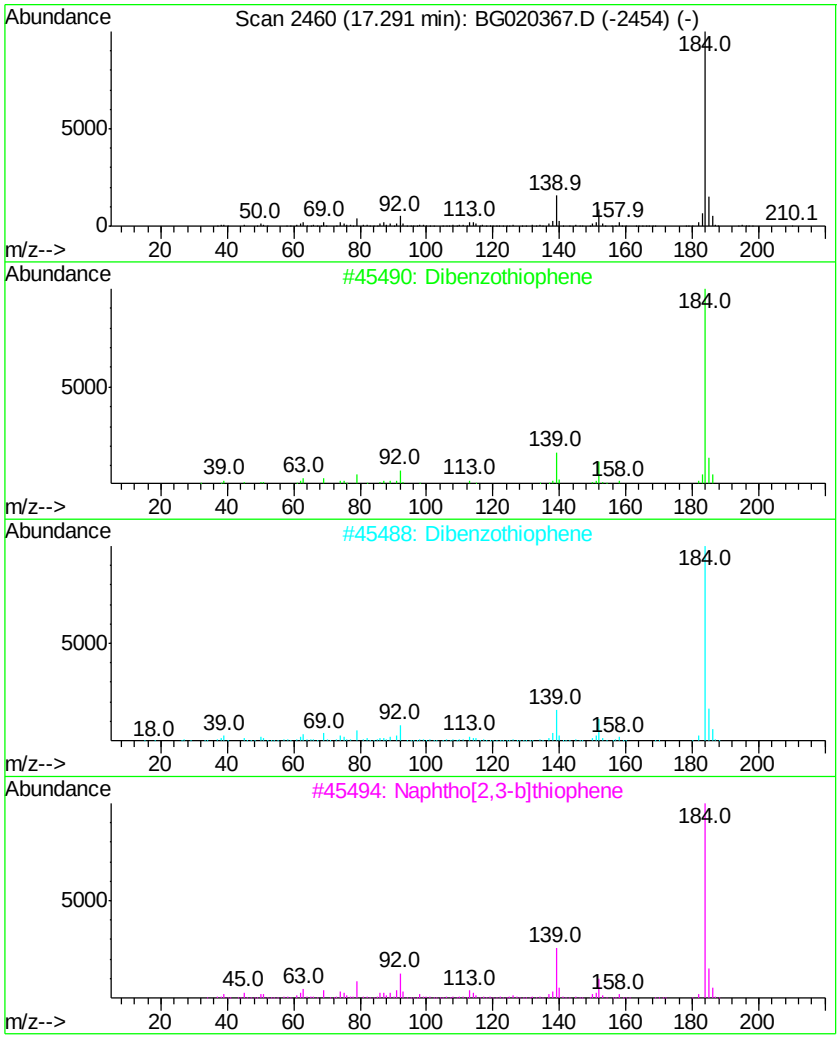
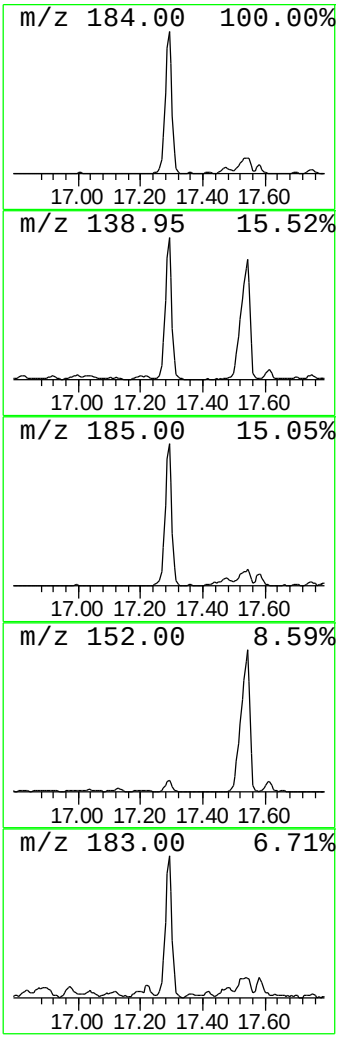
Peak Number 25 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	62.87 ng/ul	927788	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	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Library Search Compound Report

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Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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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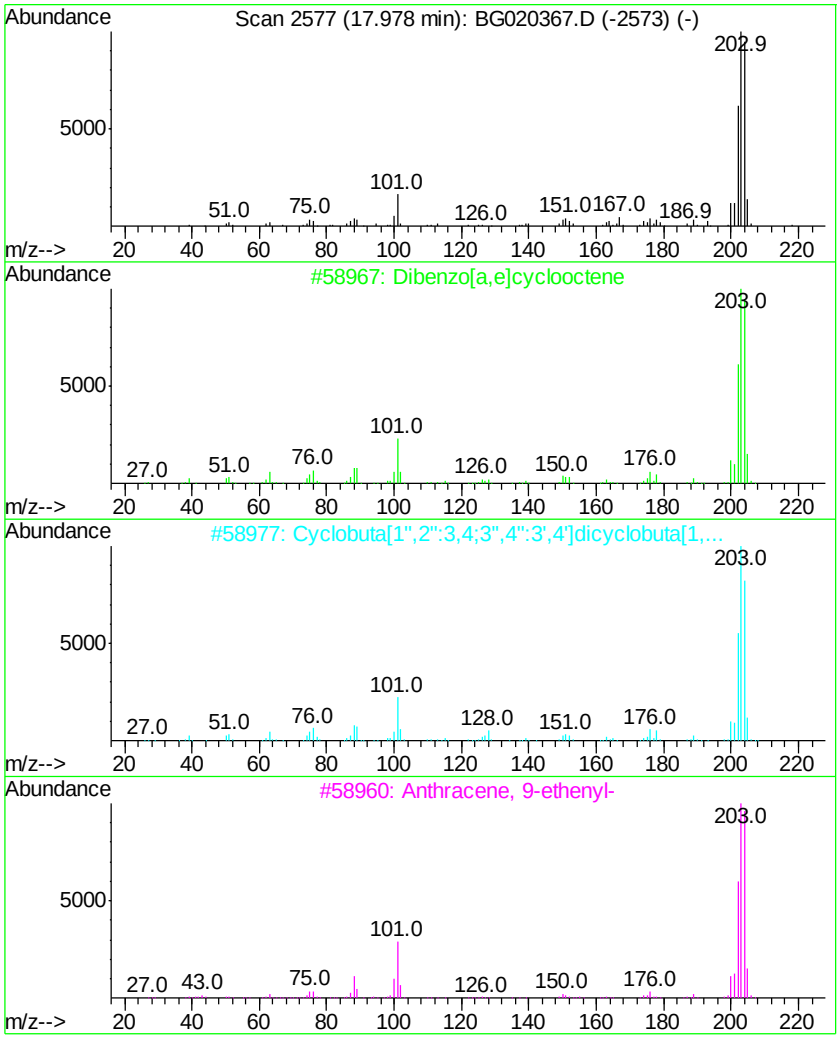
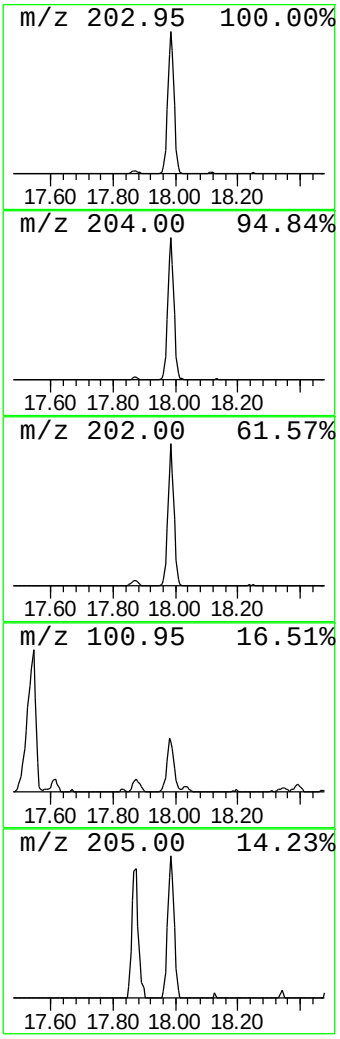
Peak Number 26 Dibenzo[a,e]cyclooctene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	14.06 ng/ul	207432	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	95
2	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	89
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





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Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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Quant Title : SVOA CALIBRATION

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

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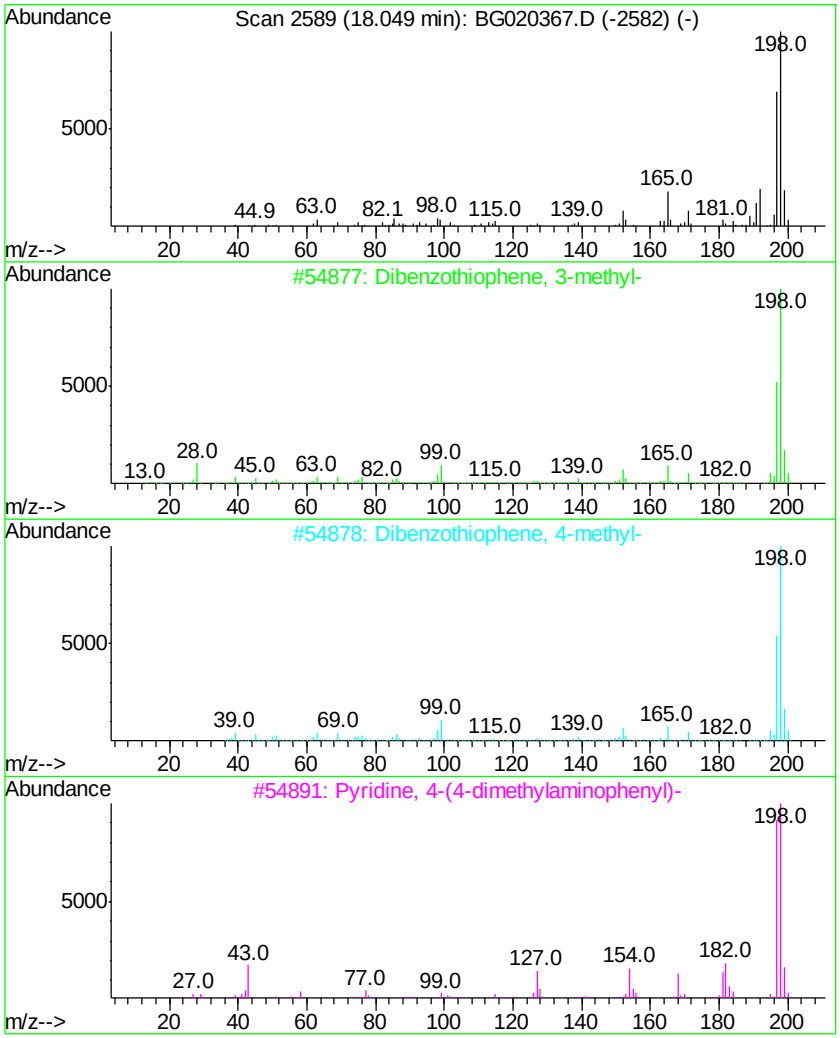
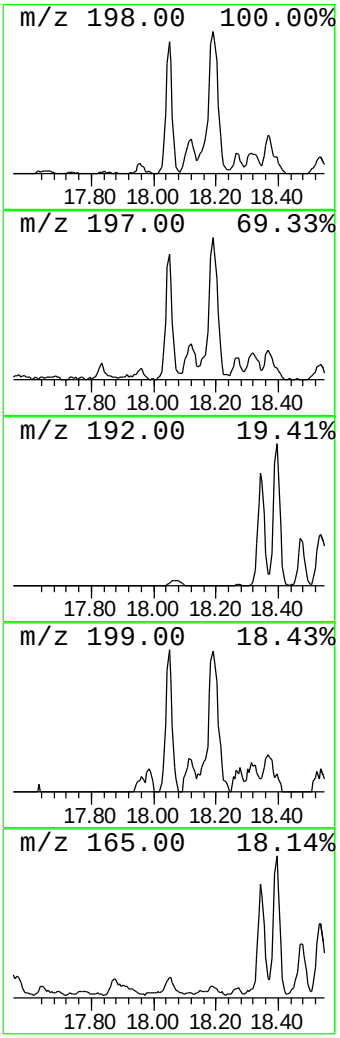
Peak Number 27 Dibenzothiophene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	10.77 ng/ul	158933	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	59
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58





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Acq On : 21 Dec 2015 7:04
Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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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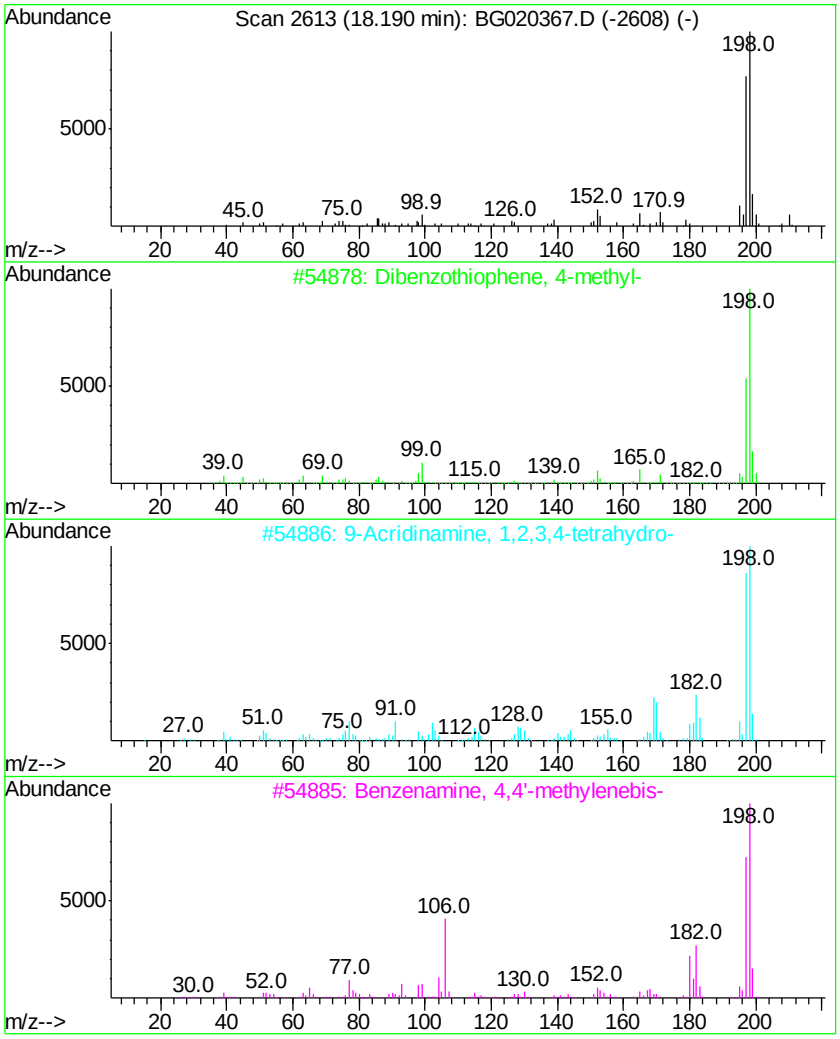
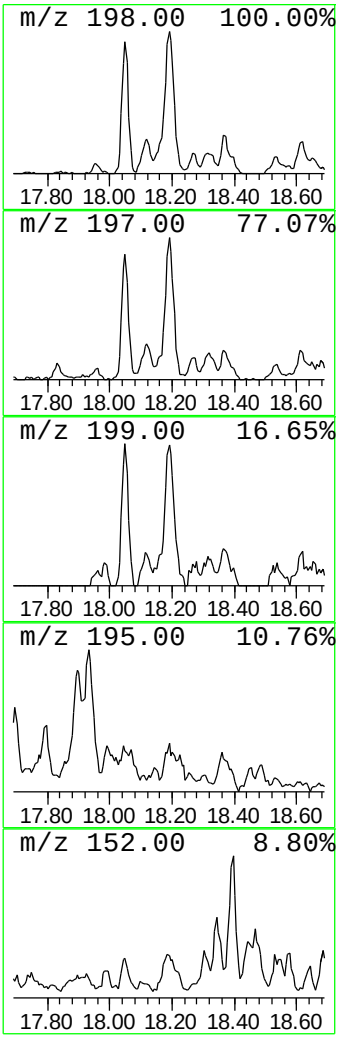
Peak Number 28 Dibenzothiophene, 4-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	8.52 ng/ul	125711	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	86
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	78
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	78





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Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	47.03 ng/ul	693985	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, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
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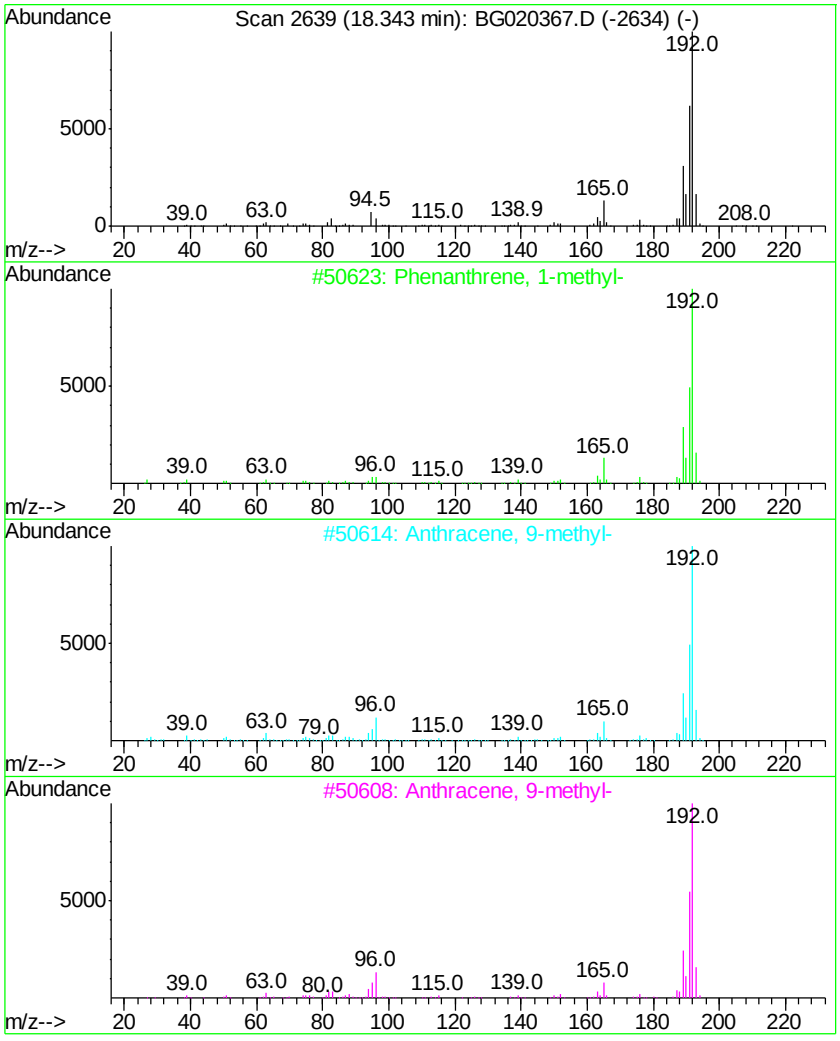

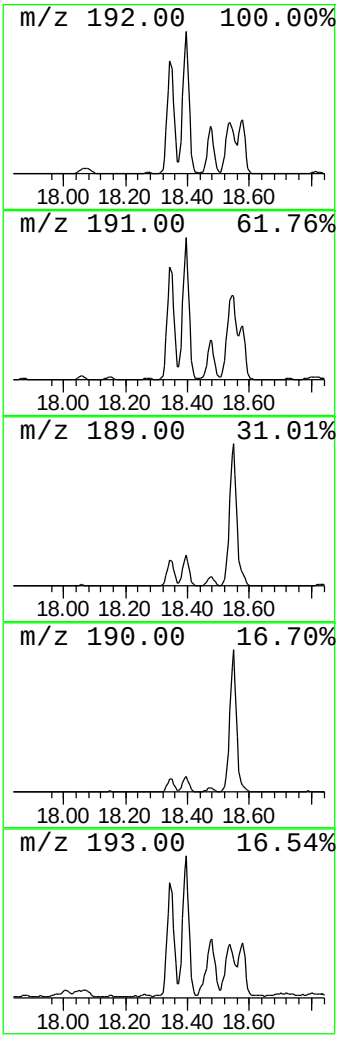

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Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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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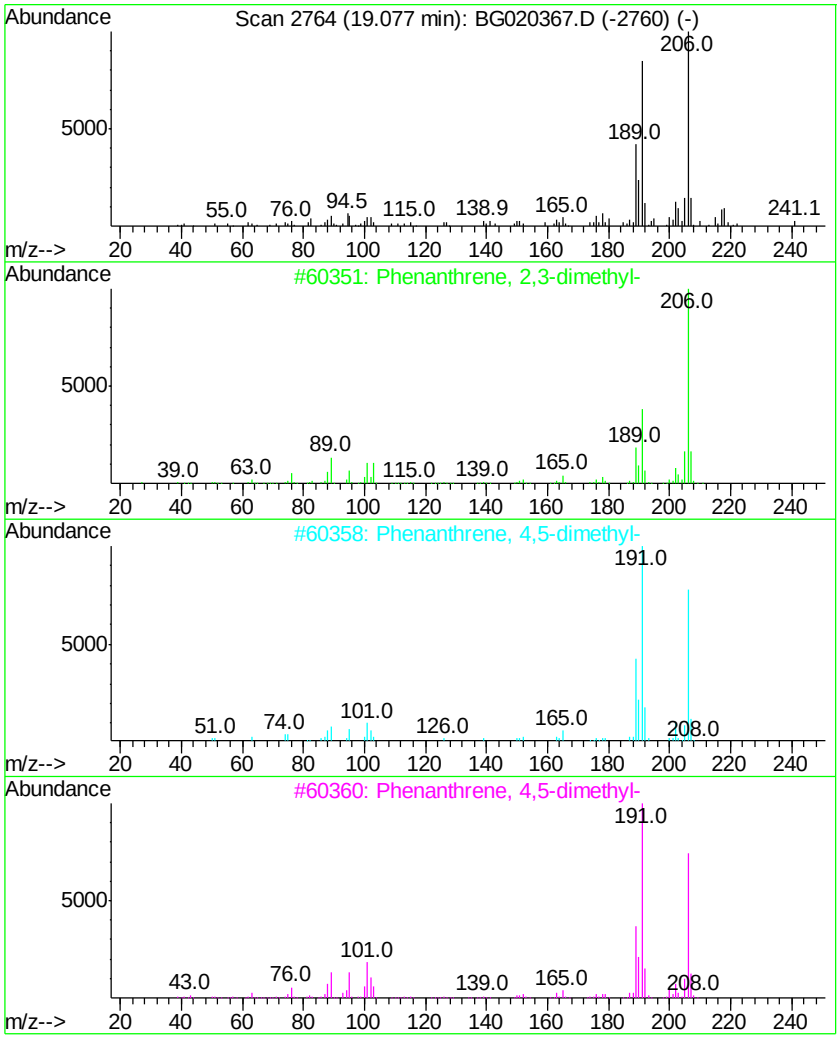
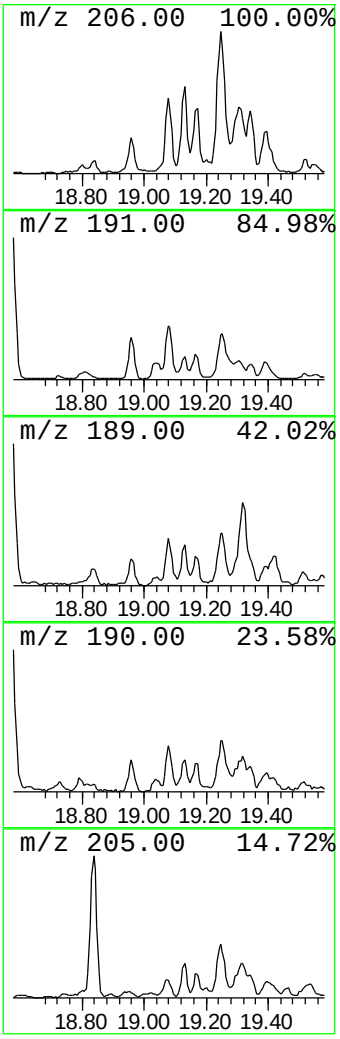
Peak Number 35 Phenanthrene, 2,3-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	7.28 ng/ul	107370	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	72





Tentatively Identified Compound (LSC) summary

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Data File : BG020367.D
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Operator : UM/SJ
Sample : G4848-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N61

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
Benzene, 1-propynyl-	8.63	28.2	ng/ul	172047	1	8.09	121953	20.0
Naphthalene, 1-me...	12.78	117.9	ng/ul	1052230	2	10.91	178485	20.0
Naphthalene, 1-et...	13.75	24.3	ng/ul	317643	3	14.73	262000	20.0
Naphthalene, 2,7-...	13.90	41.5	ng/ul	543831	3	14.73	262000	20.0
Naphthalene, 2,3-...	14.04	39.6	ng/ul	518669	3	14.73	262000	20.0
Naphthalene, 1,3-...	14.28	14.5	ng/ul	189685	3	14.73	262000	20.0
2-Naphthalenecarb...	14.86	14.7	ng/ul	192517	3	14.73	262000	20.0
1-Isopropenylnaph...	15.03	15.3	ng/ul	200740	3	14.73	262000	20.0
Naphthalene, 2,3,...	15.19	9.3	ng/ul	122071	3	14.73	262000	20.0
Naphthalene, 1,6,...	15.33	7.6	ng/ul	99397	3	14.73	262000	20.0
Nordiphenamid	15.93	37.6	ng/ul	492006	3	14.73	262000	20.0
Naphthalene, 1-(2...	15.98	8.1	ng/ul	106166	3	14.73	262000	20.0
1,1'-Biphenyl, 2-...	16.02	18.2	ng/ul	238441	3	14.73	262000	20.0
2,4,6-Cycloheptat...	16.06	40.5	ng/ul	529985	3	14.73	262000	20.0
Dibenzofuran, 4-m...	16.21	52.3	ng/ul	772106	4	17.47	295125	20.0
Anthracene, 9,10-...	16.56	11.1	ng/ul	163016	4	17.47	295125	20.0
9H-Fluorene, 2-me...	16.77	40.3	ng/ul	593874	4	17.47	295125	20.0
Perimidine, 2-ethyl-	17.00	14.5	ng/ul	213680	4	17.47	295125	20.0
5,7-Dimethylpyrim...	17.04	9.7	ng/ul	143027	4	17.47	295125	20.0
9H-Fluoren-9-one	17.13	8.1	ng/ul	119335	4	17.47	295125	20.0
unknown-01	17.20	20.1	ng/ul	297101	4	17.47	295125	20.0
Dibenzothiophene	17.29	62.9	ng/ul	927788	4	17.47	295125	20.0
Dibenzo[a,e]cyclo...	17.98	14.1	ng/ul	207432	4	17.47	295125	20.0
Dibenzothiophene,...	18.05	10.8	ng/ul	158933	4	17.47	295125	20.0
Dibenzothiophene,...	18.19	8.5	ng/ul	125711	4	17.47	295125	20.0
Phenanthrene, 1-m...	18.34	47.0	ng/ul	693985	4	17.47	295125	20.0
Phenanthrene, 2,3...	19.08	7.3	ng/ul	107370	4	17.47	295125	20.0