LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020656.D
Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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-BG123015.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	3.068	34	39	48	rBV	33356	64138	0.59%	0.166%
2	3.144	48	52	58	rVB	18982	27266	0.25%	0.071%
3	5.529	453	458	466	rBV	38481	56604	0.52%	0.147%
4	5.665	474	481	490	rVB	18426	37022	0.34%	0.096%
5	6.035	536	544	550	rBB3	11562	23502	0.22%	0.061%
6	7.128	725	730	735	rBV	16379	24180	0.22%	0.063%
7	7.210	735	744	749	rVV3	15973	36873	0.34%	0.096%
8	7.374	765	772	778	rBV	60480	97007	0.89%	0.252%
9	7.580	802	807	816	rVV	61020	103813	0.96%	0.269%
10	7.692	820	826	835	rBV3	30885	51042	0.47%	0.132%
11	8.050	881	887	894	rBV	50519	89171	0.82%	0.231%
12	8.168	900	907	913	rBB2	9477	14943	0.14%	0.039%
13	8.426	944	951	959	rBV	130847	224247	2.07%	0.582%
14	8.591	972	979	987	rBV	203506	347468	3.20%	0.901%
15	8.761	1002	1008	1016	rBV	52637	88435	0.82%	0.229%
16	9.225	1080	1087	1094	rBV	80238	150407	1.39%	0.390%
17	9.413	1114	1119	1125	rVB2	10886	17374	0.16%	0.045%
18	9.542	1129	1141	1147	rVV	27423	61336	0.57%	0.159%
19	9.948	1204	1210	1223	rVB	72826	130232	1.20%	0.338%
20	10.112	1232	1238	1244	rBV	19991	30902	0.28%	0.080%
21	10.259	1257	1263	1275	rBV3	47488	141780	1.31%	0.368%
22	10.365	1275	1281	1294	rVV	40077	107597	0.99%	0.279%
23	10.500	1296	1304	1311	rBV2	121377	225851	2.08%	0.586%
24	10.958	1359	1382	1390	rBV	4221212	10846963	100.00%	28.131%
25	11.052	1390	1398	1405	rVB	358792	618721	5.70%	1.605%
26	11.287	1432	1438	1443	rVB3	8107	15599	0.14%	0.040%
27	11.781	1517	1522	1531	rVB3	8263	14415	0.13%	0.037%
28	12.051	1564	1568	1578	rVB4	9719	17803	0.16%	0.046%
29	12.421	1625	1631	1639	rVB	32607	54879	0.51%	0.142%
30	12.533	1639	1650	1662	rBV	1526795	2622353	24.18%	6.801%
31	12.645	1662	1669	1674	rVV	36934	69527	0.64%	0.180%
32	12.750	1674	1687	1695	rVB	821677	1441495	13.29%	3.738%
33	13.526	1812	1819	1830	rBV	411762	632223	5.83%	1.640%
34	13.720	1846	1852	1865	rVV	83509	155071	1.43%	0.402%

LSC Area Percent Report

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Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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-BG123015.M
Title : SVOA CALIBRATION

35	13.861	1865	1876	1885	rVV3	89124	245183	2.26%	0.636%
36	14.008	1894	1901	1907	rVV	157003	291890	2.69%	0.757%
37	14.066	1907	1911	1912	rVV	107156	137122	1.26%	0.356%
38	14.096	1912	1916	1921	rVV	250107	381522	3.52%	0.989%
39	14.249	1935	1942	1946	rBV	65304	109007	1.00%	0.283%
40	14.278	1946	1947	1953	rVB	24566	26363	0.24%	0.068%
41	14.390	1959	1966	1968	rBV	241034	387511	3.57%	1.005%
42	14.413	1968	1970	1977	rVB	180638	248124	2.29%	0.643%
43	14.660	2007	2012	2014	rBV	73391	100627	0.93%	0.261%
44	14.695	2014	2018	2023	rVV2	144774	236340	2.18%	0.613%
45	14.766	2023	2030	2036	rVV	1985928	3240309	29.87%	8.404%
46	14.824	2036	2040	2047	rVB	98408	151217	1.39%	0.392%
47	14.901	2047	2053	2060	rBV5	20403	40670	0.37%	0.105%
48	15.001	2061	2070	2074	rBV	35716	53754	0.50%	0.139%
49	15.095	2079	2086	2094	rVV	1137506	1815912	16.74%	4.709%
50	15.159	2094	2097	2105	rVB4	13352	21209	0.20%	0.055%
51	15.294	2113	2120	2126	rBV3	16554	30689	0.28%	0.080%
52	15.359	2126	2131	2142	rVB3	9773	22752	0.21%	0.059%
53	15.477	2142	2151	2154	rBV	9755	19504	0.18%	0.051%
54	15.647	2175	2180	2181	rVV2	13317	17386	0.16%	0.045%
55	15.682	2181	2186	2191	rVV	351525	559239	5.16%	1.450%
56	15.747	2191	2197	2203	rVV	1325560	2030623	18.72%	5.266%
57	15.811	2203	2208	2214	rVV3	87330	178913	1.65%	0.464%
58	15.864	2214	2217	2220	rVV	63057	97812	0.90%	0.254%
59	15.900	2220	2223	2228	rVV2	82107	129197	1.19%	0.335%
60	15.947	2228	2231	2234	rVV3	25088	37513	0.35%	0.097%
61	15.988	2234	2238	2241	rVV	41333	60573	0.56%	0.157%
62	16.029	2241	2245	2254	rVV	76092	108606	1.00%	0.282%
63	16.176	2258	2270	2279	rVV3	81353	194786	1.80%	0.505%
64	16.270	2282	2286	2291	rVB	12204	16682	0.15%	0.043%
65	16.405	2305	2309	2317	rVB5	15866	28791	0.27%	0.075%
66	16.528	2324	2330	2337	rVB	79994	110058	1.01%	0.285%
67	16.740	2353	2366	2370	rBV	44773	112044	1.03%	0.291%
68	16.787	2370	2374	2380	rVB3	18726	28393	0.26%	0.074%
69	16.887	2385	2391	2396	rBV	20555	28979	0.27%	0.075%
70	17.092	2421	2426	2433	rVB	46845	77031	0.71%	0.200%
71	17.257	2448	2454	2463	rVB	180167	261829	2.41%	0.679%

LSC Area Percent Report

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Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Title : SVOA CALIBRATION

72	17.439	2478	2485	2488	rBV	196391	320758	2.96%	0.832%
73	17.492	2488	2494	2498	rVV	1914624	3054325	28.16%	7.921%
74	17.539	2498	2502	2506	rVV2	435421	670656	6.18%	1.739%
75	17.574	2506	2508	2513	rVV	101675	117859	1.09%	0.306%
76	17.633	2513	2518	2527	rVB4	10740	19898	0.18%	0.052%
77	17.839	2547	2553	2561	rBV	224869	333276	3.07%	0.864%
78	17.950	2566	2572	2580	rBV7	9606	19979	0.18%	0.052%
79	18.309	2624	2633	2637	rBV	44428	66266	0.61%	0.172%
80	18.356	2637	2641	2648	rVB2	89656	132253	1.22%	0.343%
81	18.508	2661	2667	2672	rBV	126058	213005	1.96%	0.552%
82	18.608	2678	2684	2688	rBV	27085	40026	0.37%	0.104%
83	18.655	2688	2692	2696	rVB	38284	50798	0.47%	0.132%
84	18.749	2702	2708	2713	rBV3	24772	39149	0.36%	0.102%
85	18.802	2713	2717	2721	rVV	18061	22487	0.21%	0.058%
86	18.849	2721	2725	2731	rVB	35036	49848	0.46%	0.129%
87	19.202	2779	2785	2788	rBV4	6733	14062	0.13%	0.036%
88	19.331	2798	2807	2809	rVV7	5872	15804	0.15%	0.041%
89	19.484	2826	2833	2839	rVB	321381	459016	4.23%	1.190%
90	19.819	2881	2890	2894	rBV	541080	863064	7.96%	2.238%
91	19.907	2901	2905	2914	rVB4	12165	21396	0.20%	0.055%
92	20.224	2955	2959	2965	rVB	53618	71493	0.66%	0.185%
93	20.336	2975	2978	2984	rVB	9899	14134	0.13%	0.037%
94	20.435	2991	2995	3000	rBV	12710	16447	0.15%	0.043%
95	21.705	3203	3211	3224	rBV2	271778	459394	4.24%	1.191%
96	22.122	3276	3282	3286	rBV	14952	26698	0.25%	0.069%
97	24.736	3714	3727	3738	rBV	275379	747362	6.89%	1.938%
98	24.954	3753	3764	3779	rVB2	134988	384006	3.54%	0.996%
99	26.058	3942	3952	3960	rBV6	5793	16759	0.15%	0.043%
100	27.410	4175	4182	4192	rVB5	6479	20159	0.19%	0.052%

Sum of corrected areas: 38558776

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020656.D
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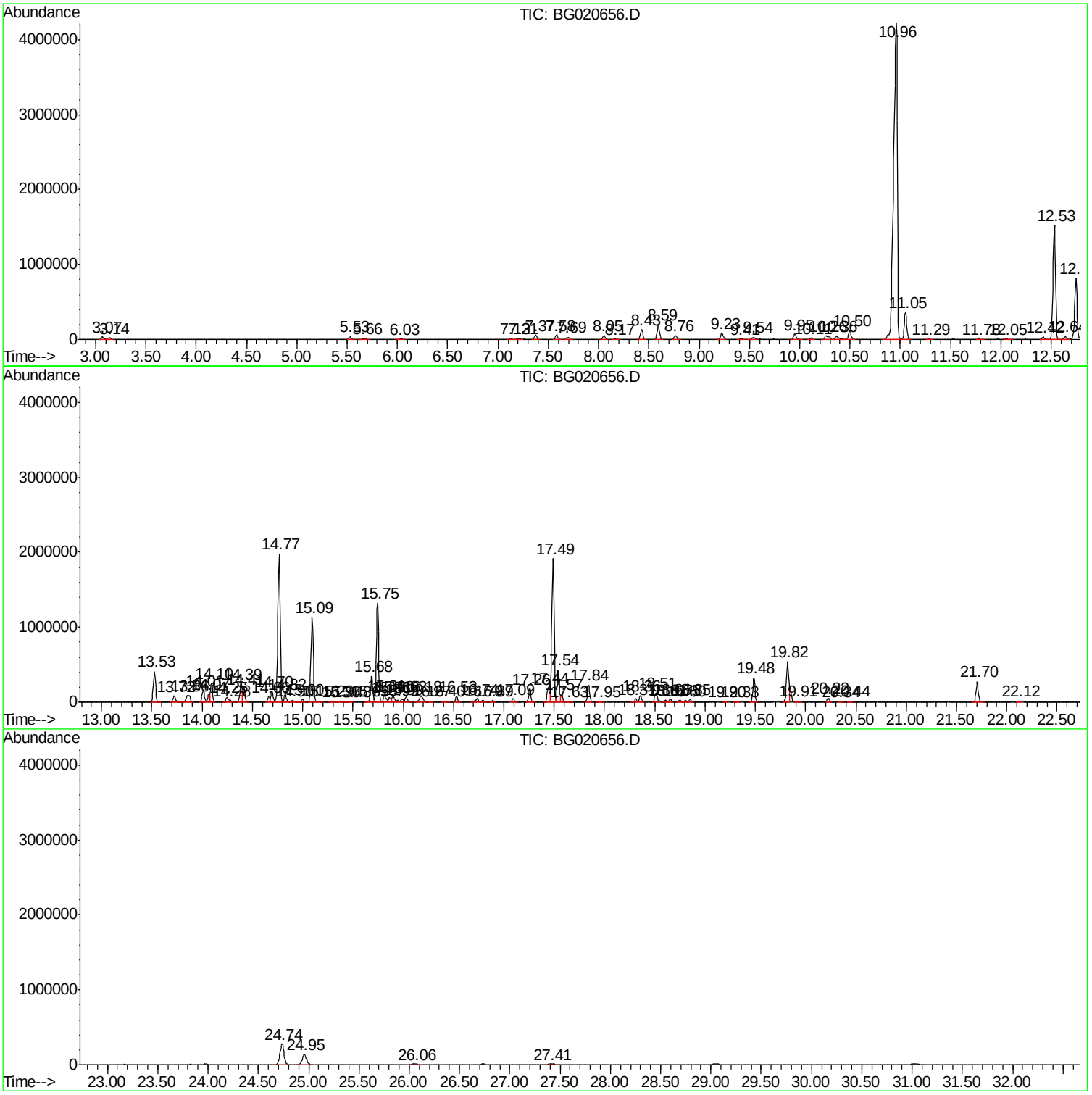
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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\BG010516\
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Sample : G4846-13
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

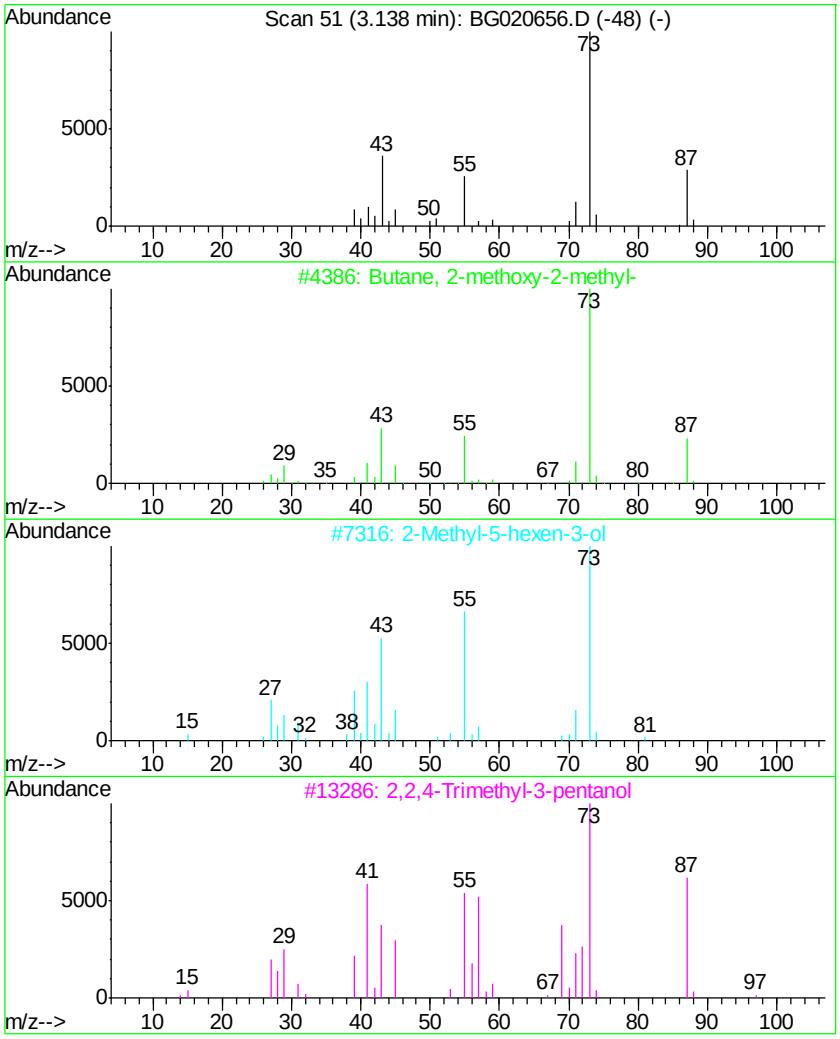
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

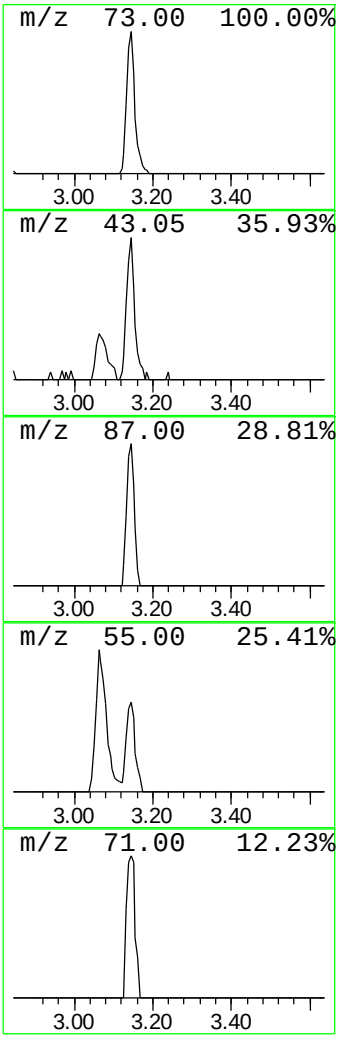
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	6.12 ng/ul	27266	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9
4	1,4-Butanediamine	88	C4H12N2	000110-60-1	7
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020656.D
Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

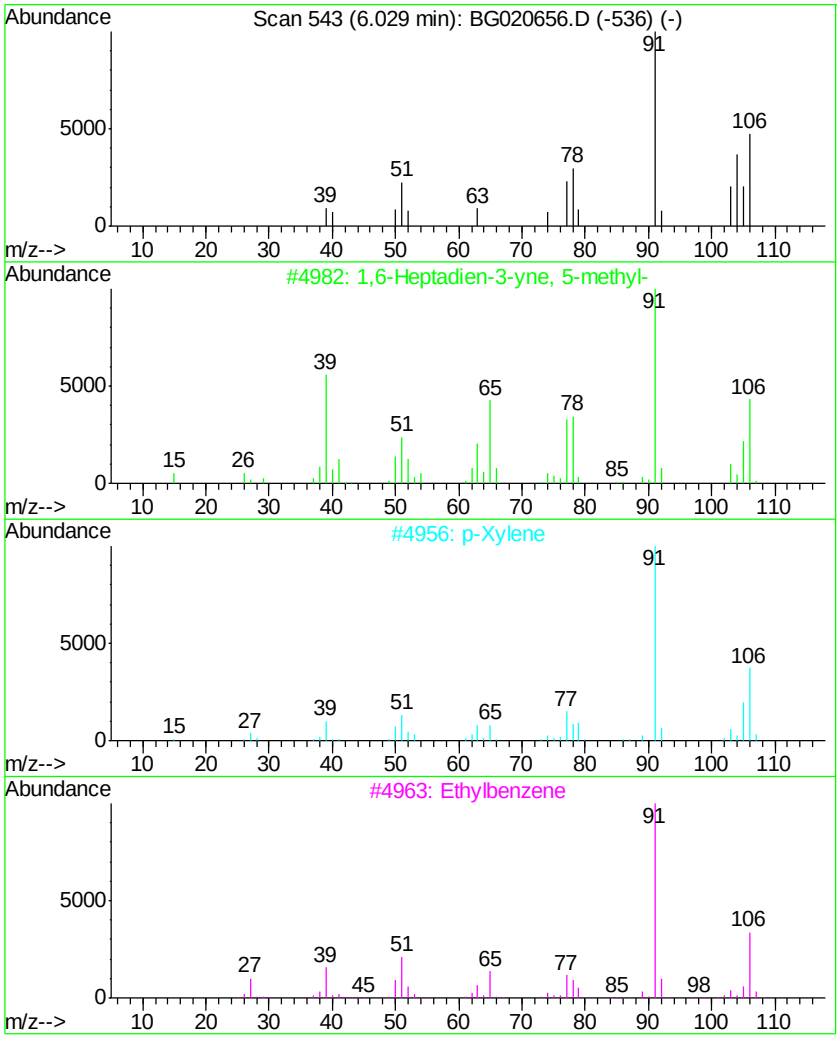
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

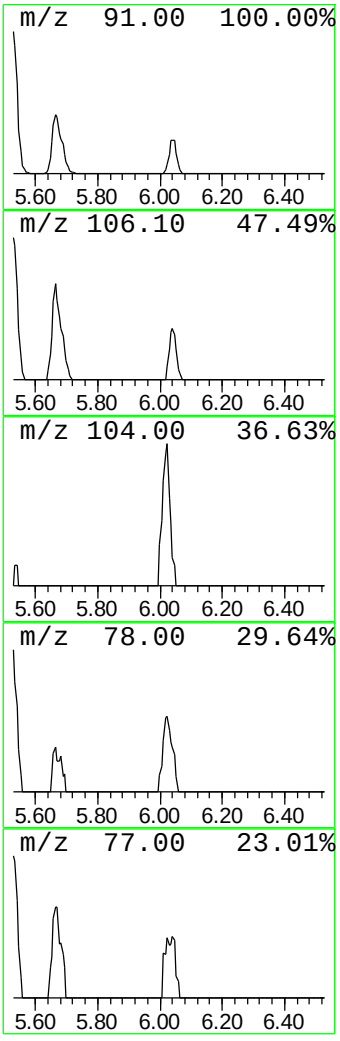
****

Peak Number 5 1,6-Heptadien-3-yne, 5-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	5.27 ng/ul	23502	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Heptadien-3-yne, 5-methyl-	106	C8H10	1000142-71-3	72
2	p-Xylene	106	C8H10	000106-42-3	72
3	Ethylbenzene	106	C8H10	000100-41-4	64
4	Ethylbenzene	106	C8H10	000100-41-4	59
5	Ethylbenzene	106	C8H10	000100-41-4	59





Library Search Compound Report

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Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

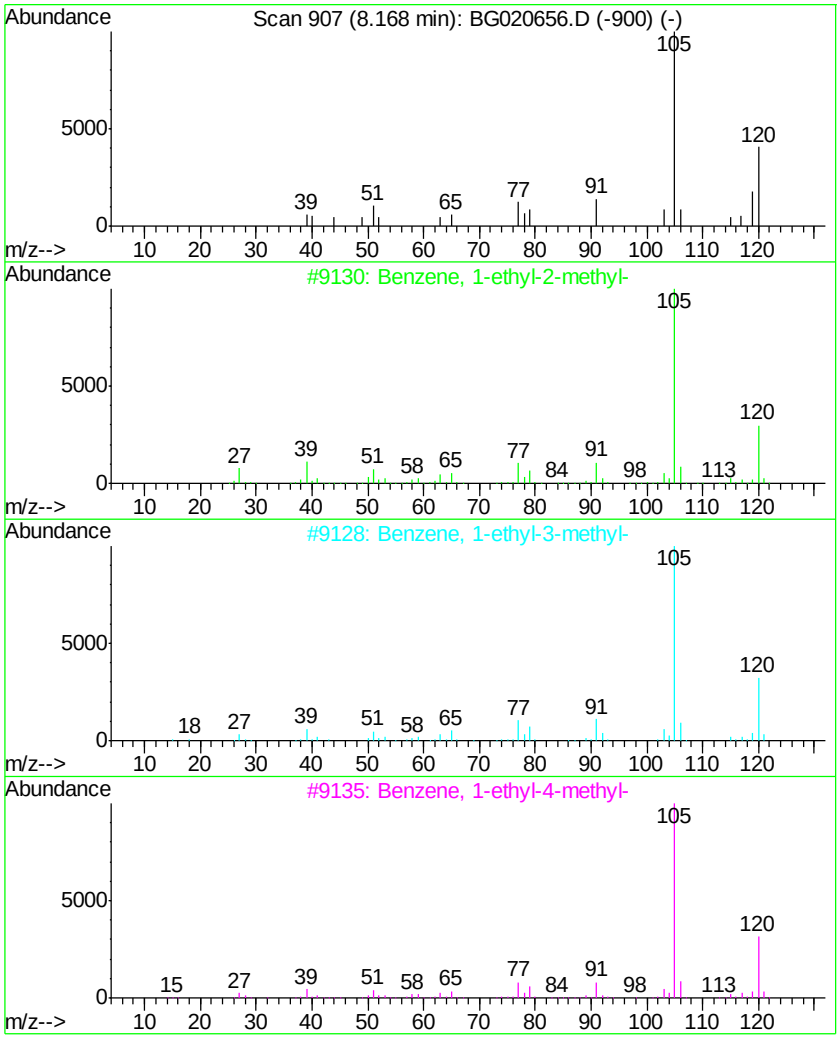
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

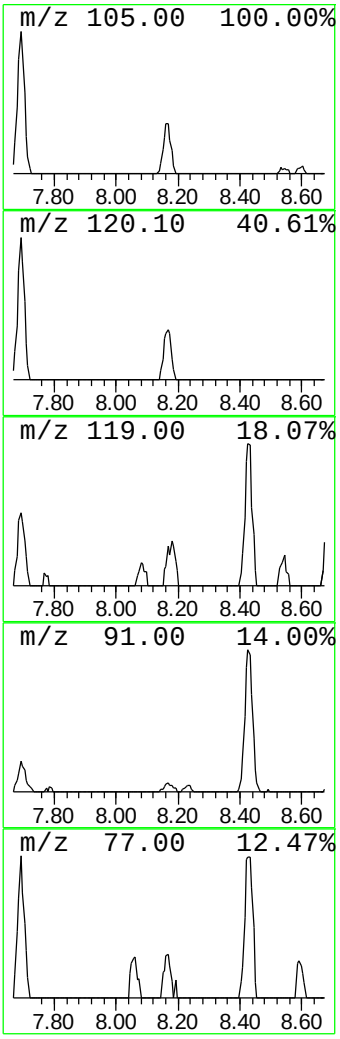
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	3.35 ng/ul	14943	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	72
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020656.D
Acq On : 5 Jan 2016 15:09
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Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

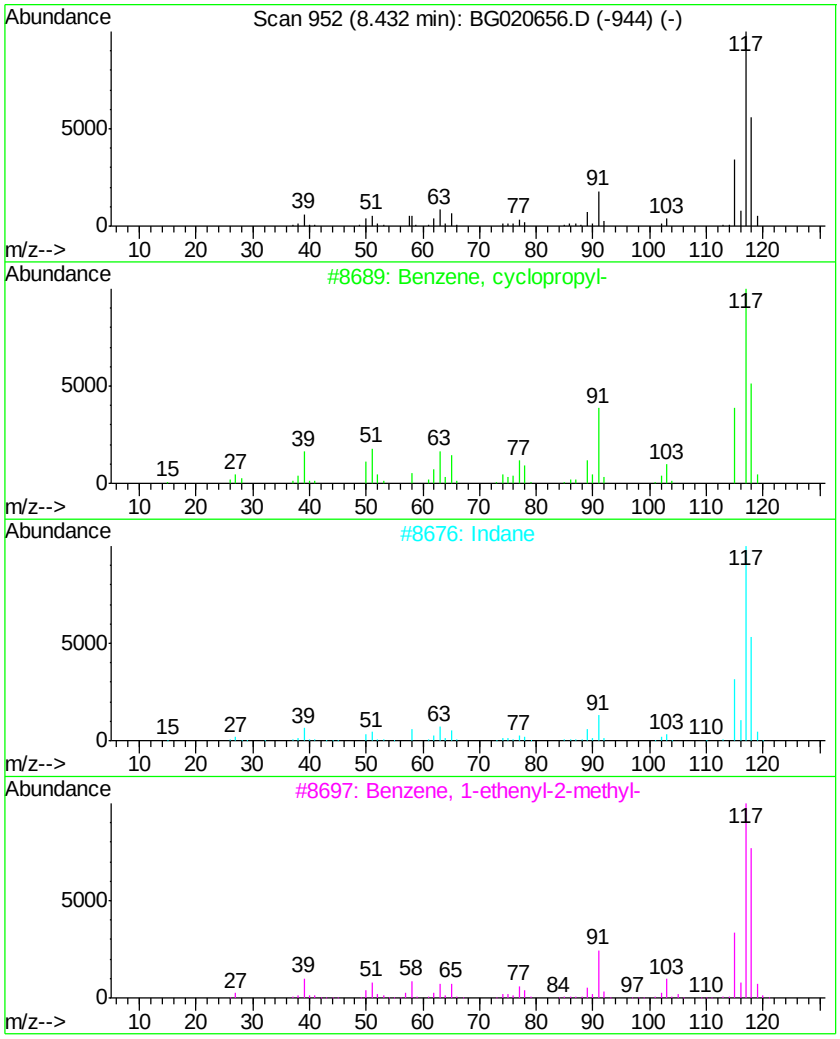
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

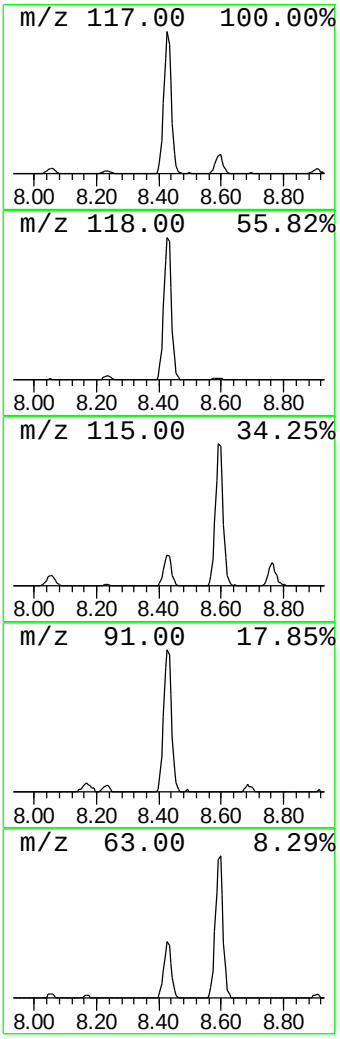
****

Peak Number 9 Benzene, cyclopropyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	50.30 ng/ul	224247	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
4	Deltacyclene	118	C9H10	007785-10-6	74
5	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	72





Library Search Compound Report

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Data File : BG020656.D
Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

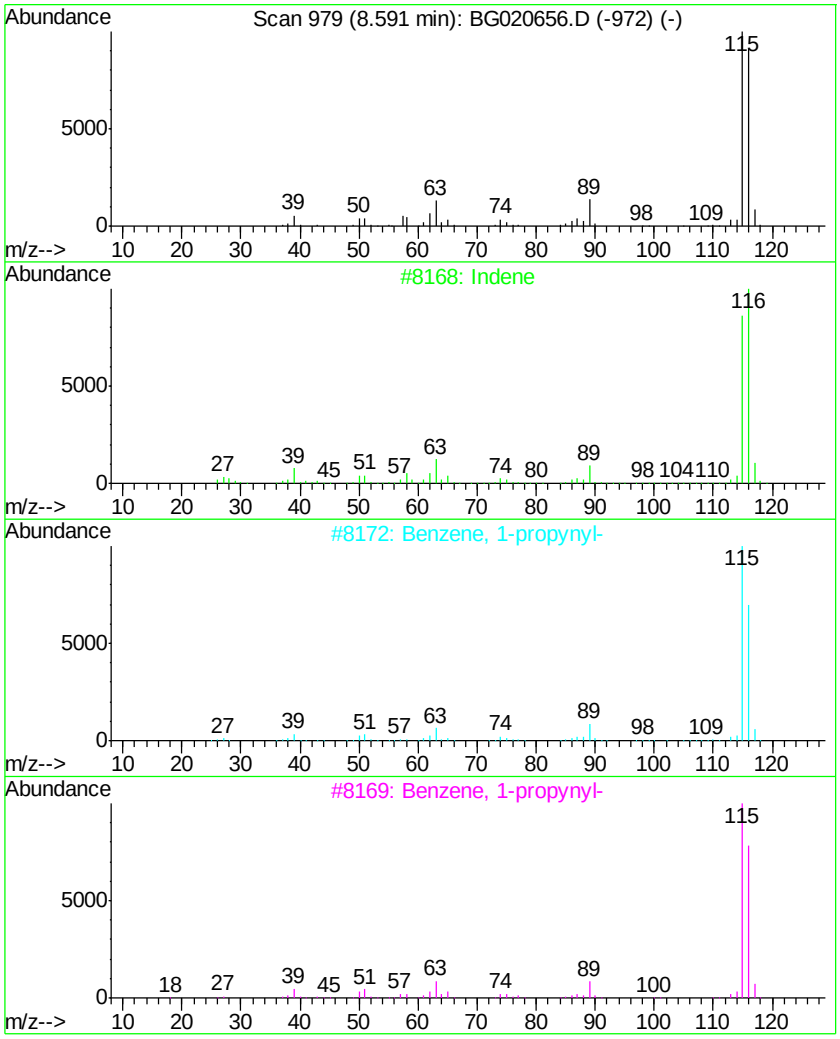
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

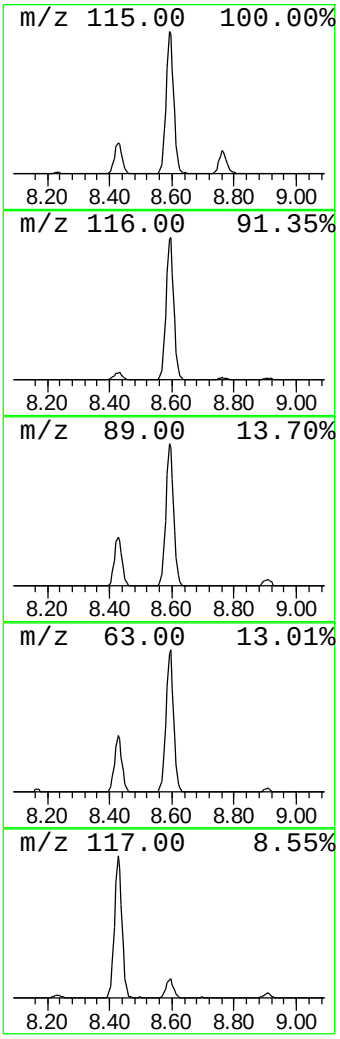
****

Peak Number 10 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	77.93 ng/ul	347468	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





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Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020656.D
Acq On : 5 Jan 2016 15:09
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Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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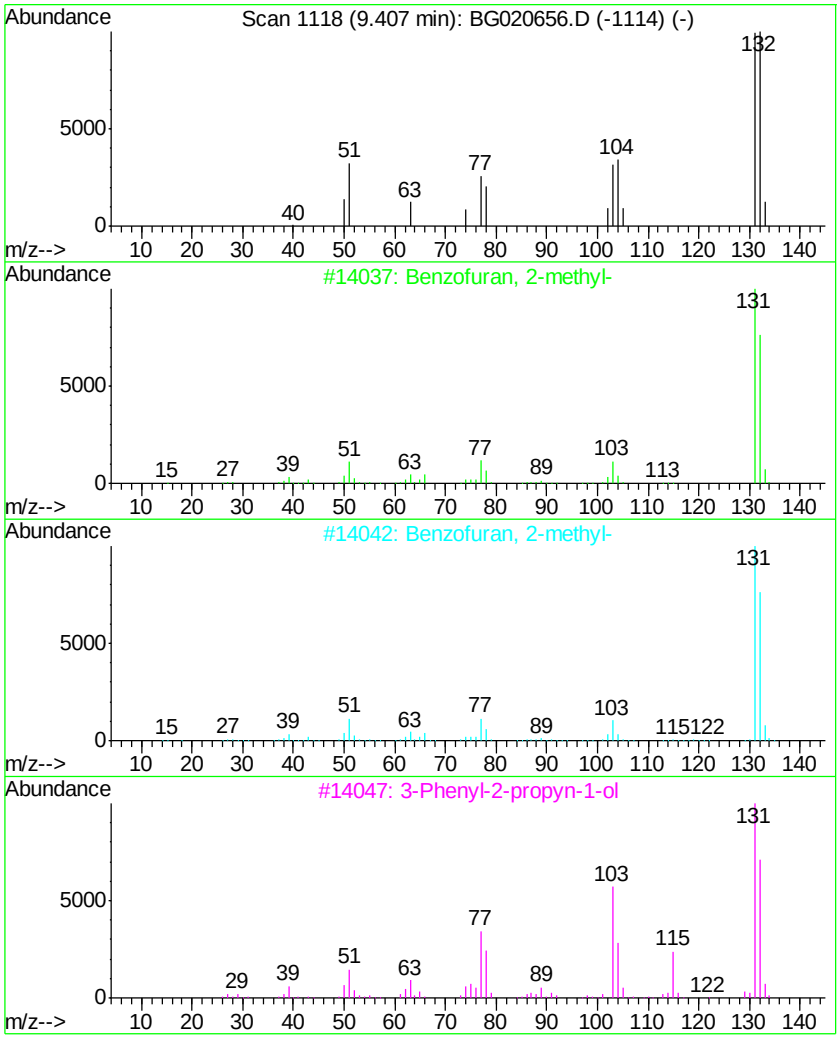
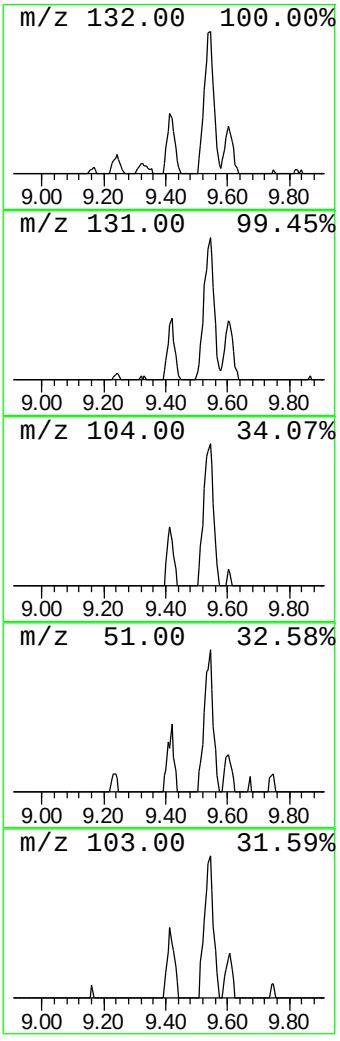
Peak Number 11 Benzofuran, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	3.90 ng/ul	17374	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91





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Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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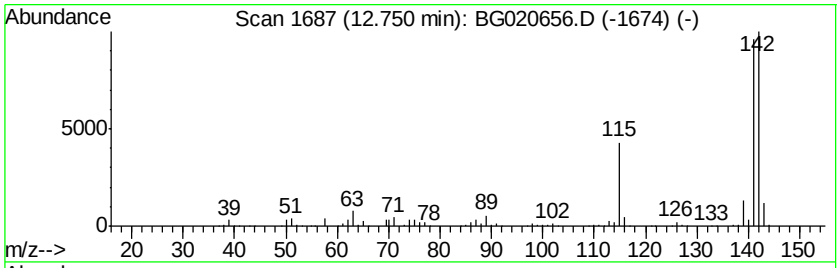
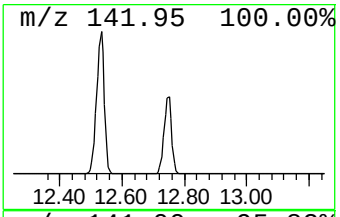
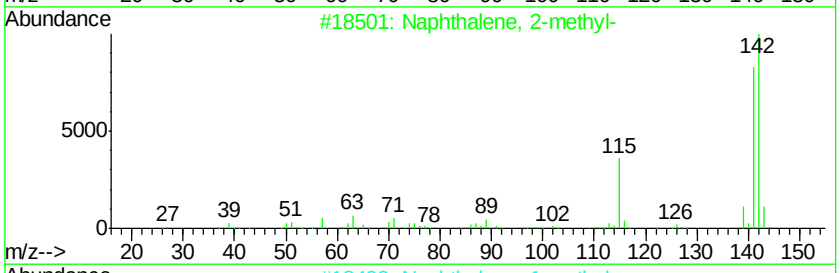
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 34

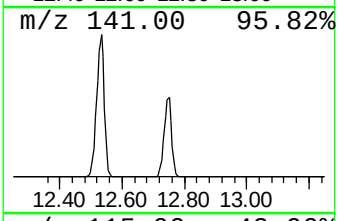
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	2.66 ng/ul	1441500	Naphthalene-d8	10.88

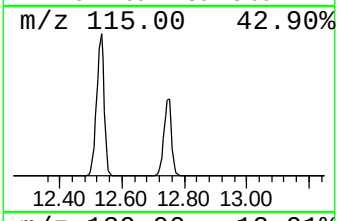
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0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

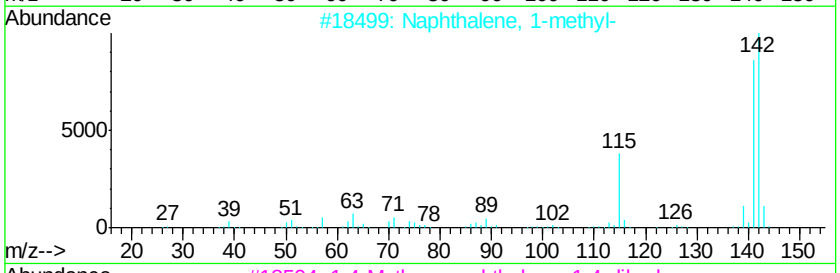


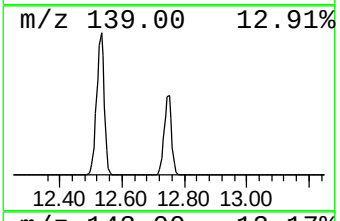


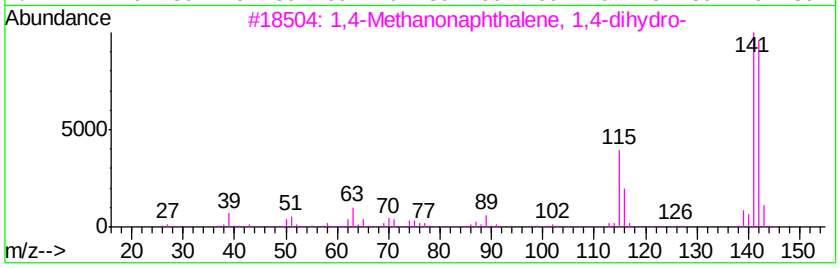


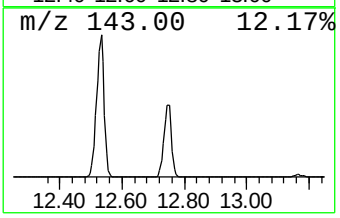












Library Search Compound Report

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Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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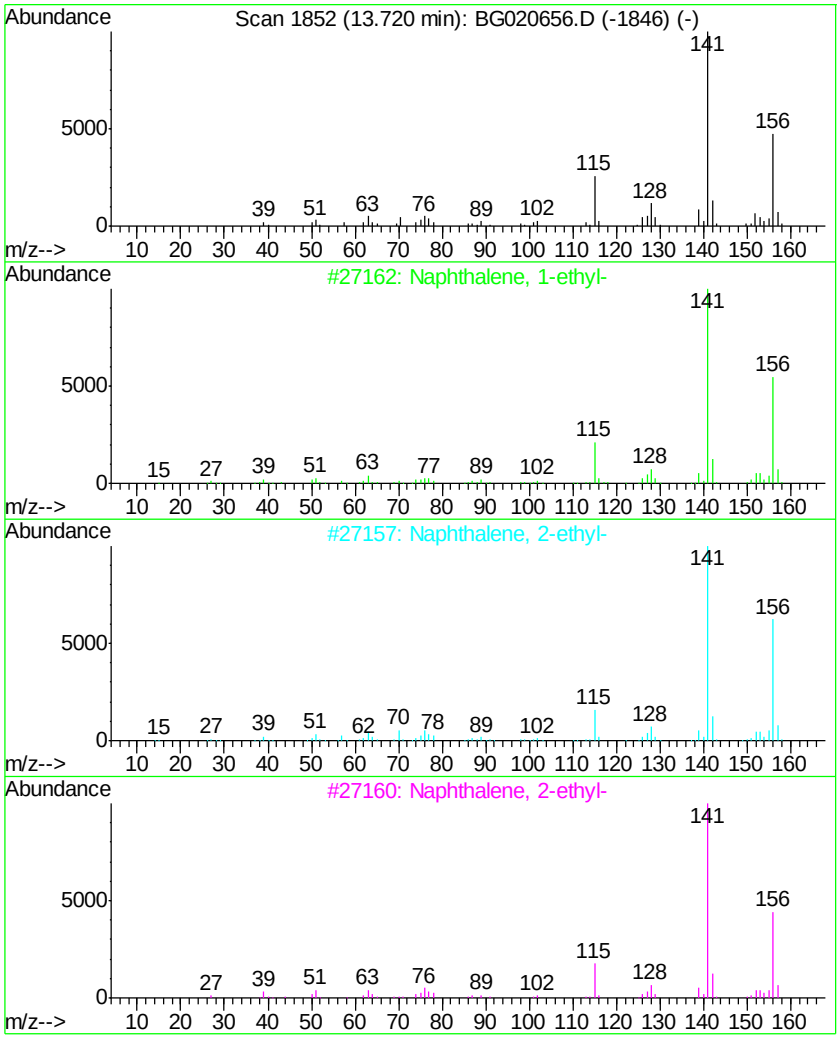
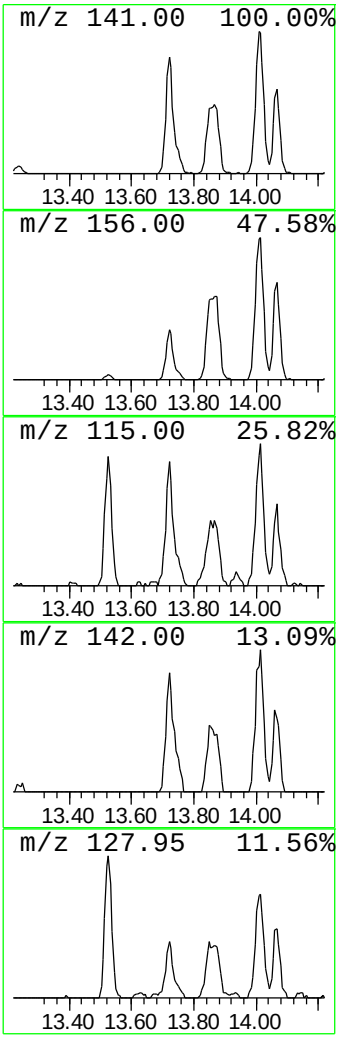
Peak Number 13 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	13.12 ng/ul	155071	Acenaphthene-d10	14.70

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, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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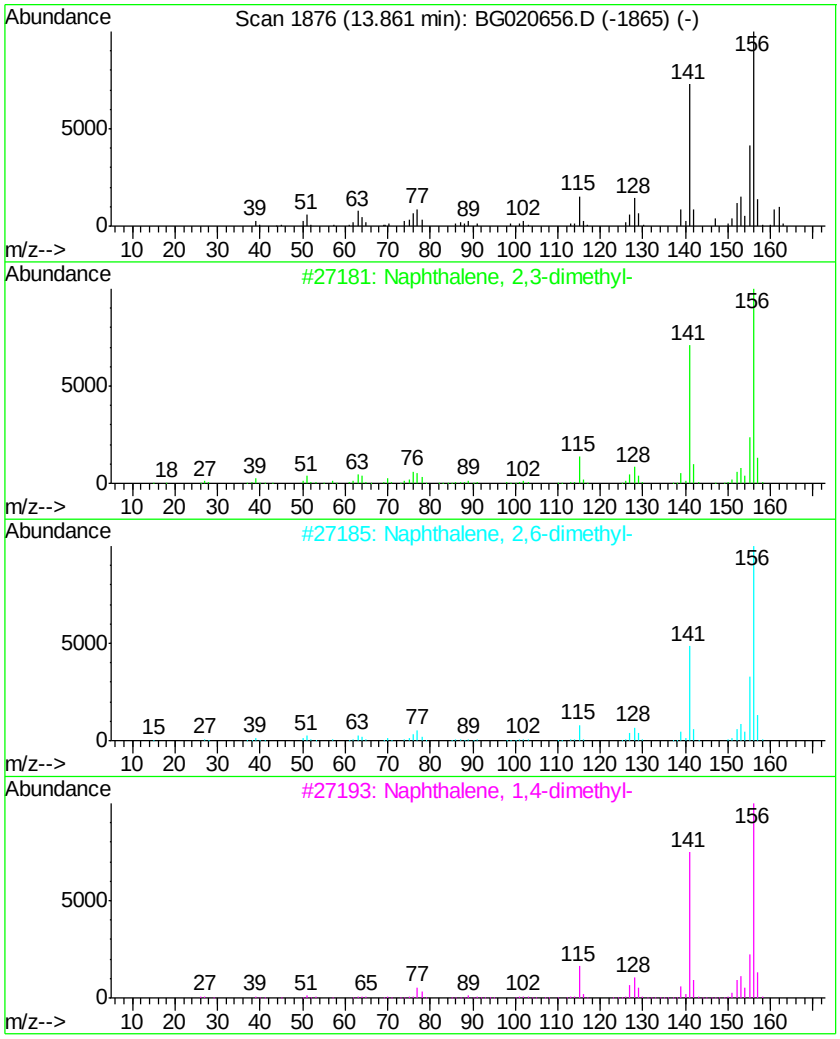
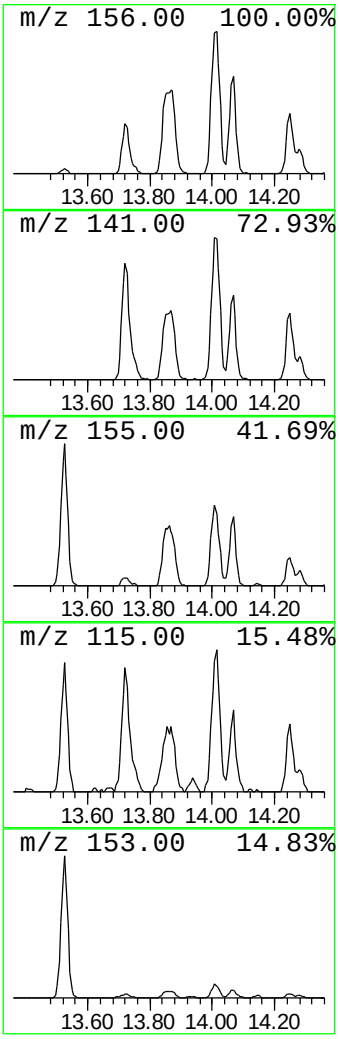
Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	20.75 ng/ul	245183	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





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Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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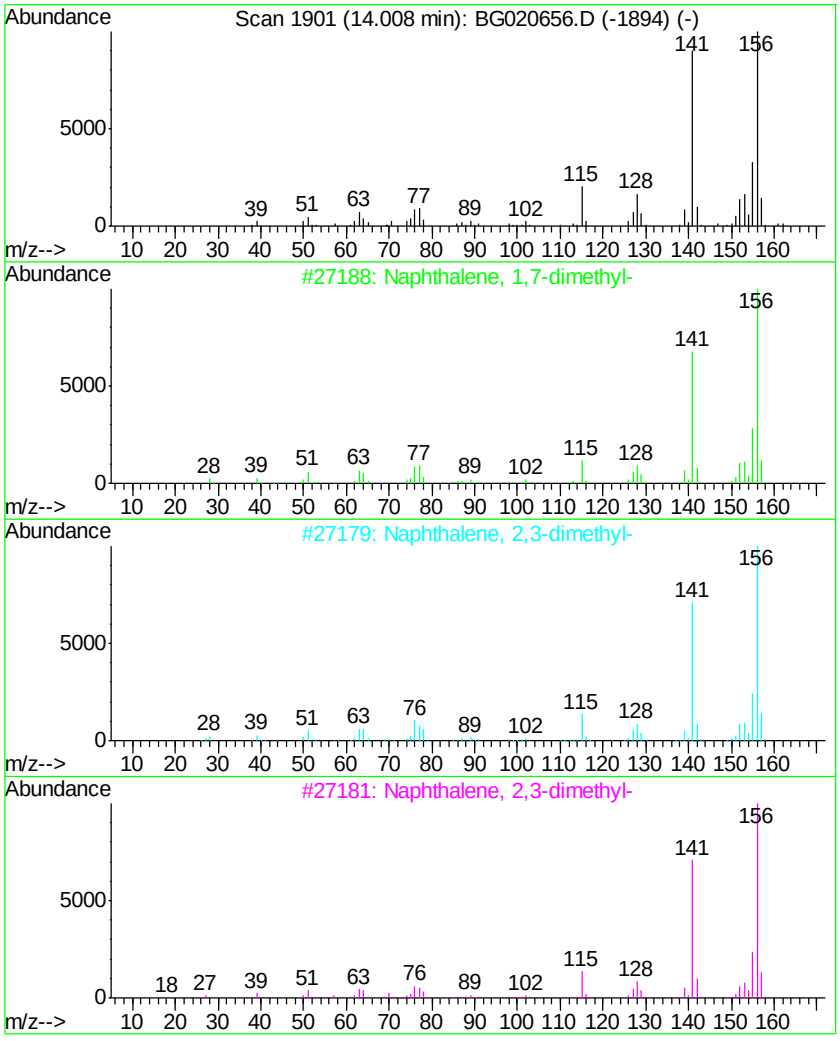
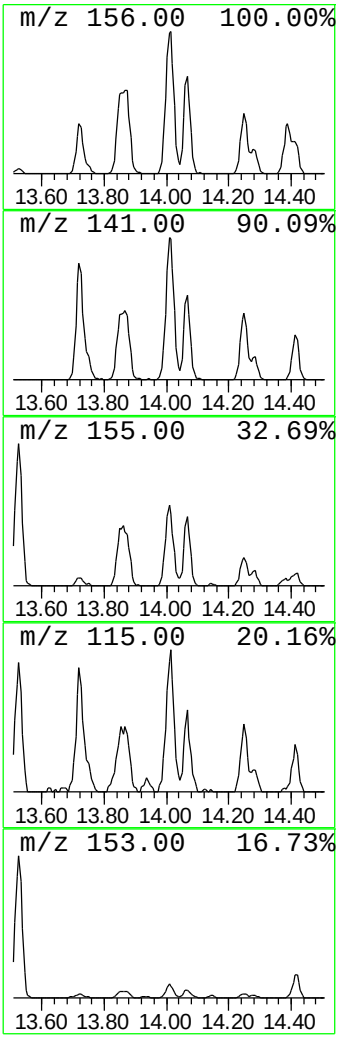
Peak Number 15 Naphthalene, 1,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	24.70 ng/ul	291890	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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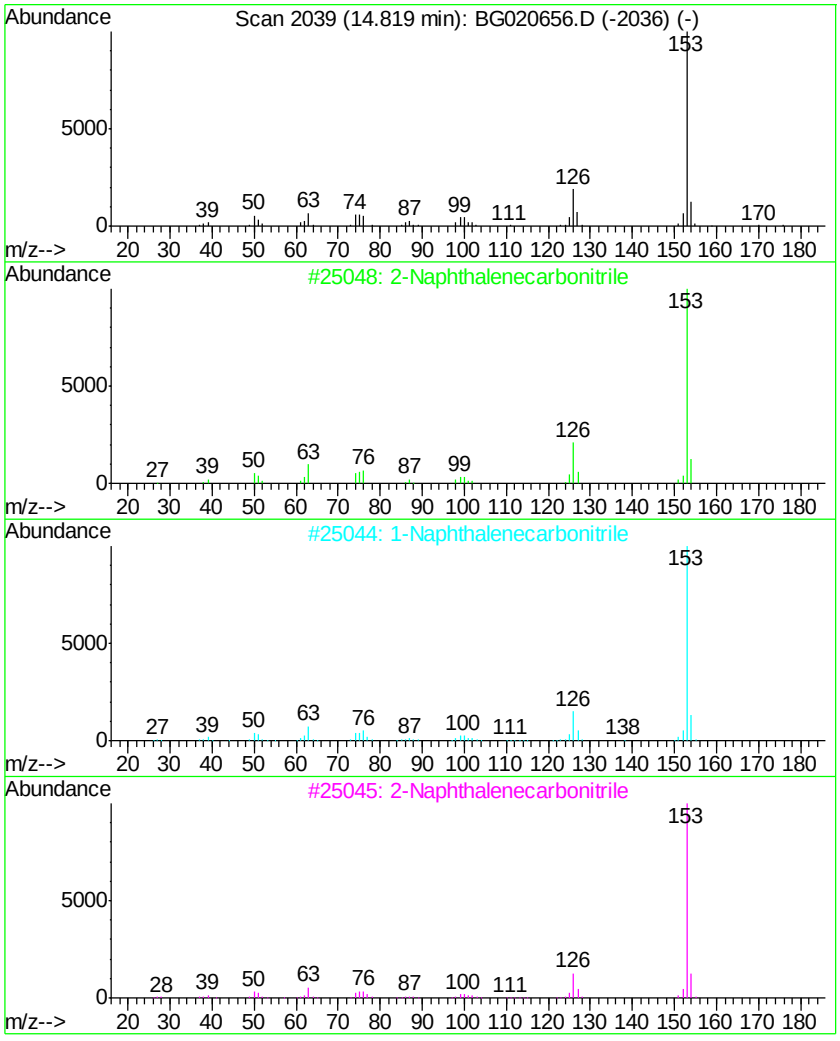
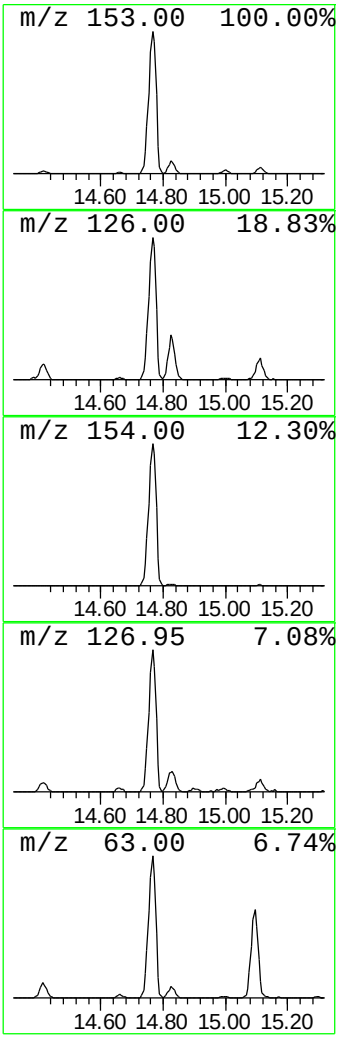
Peak Number 18 2-Naphthalenecarbonitrile Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	12.80 ng/ul	151217	Acenaphthene-d10	14.70

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	97
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	93
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90





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Quant Title : SVOA CALIBRATION

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

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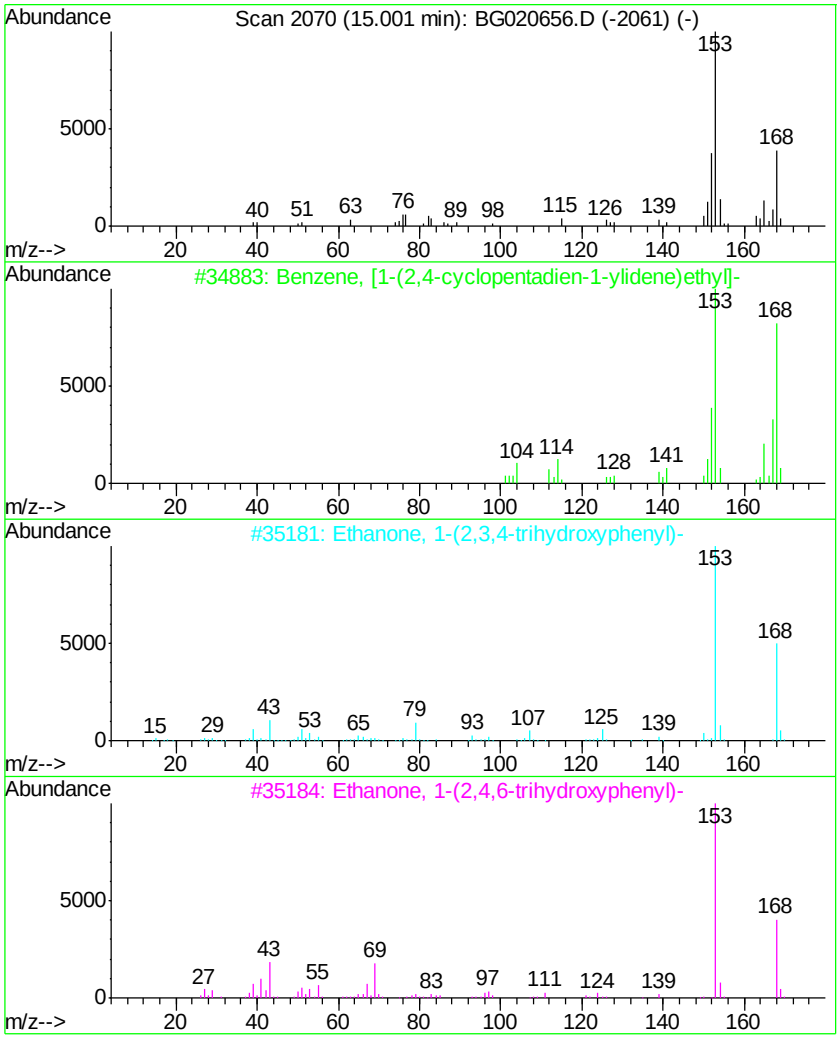
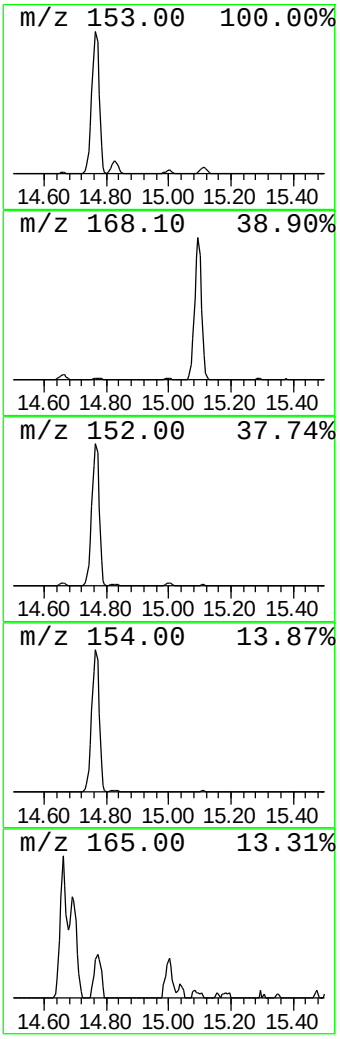
Peak Number 19 Benzene, [1-(2,4-cyclopenta... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	4.55 ng/ul	53754	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	42





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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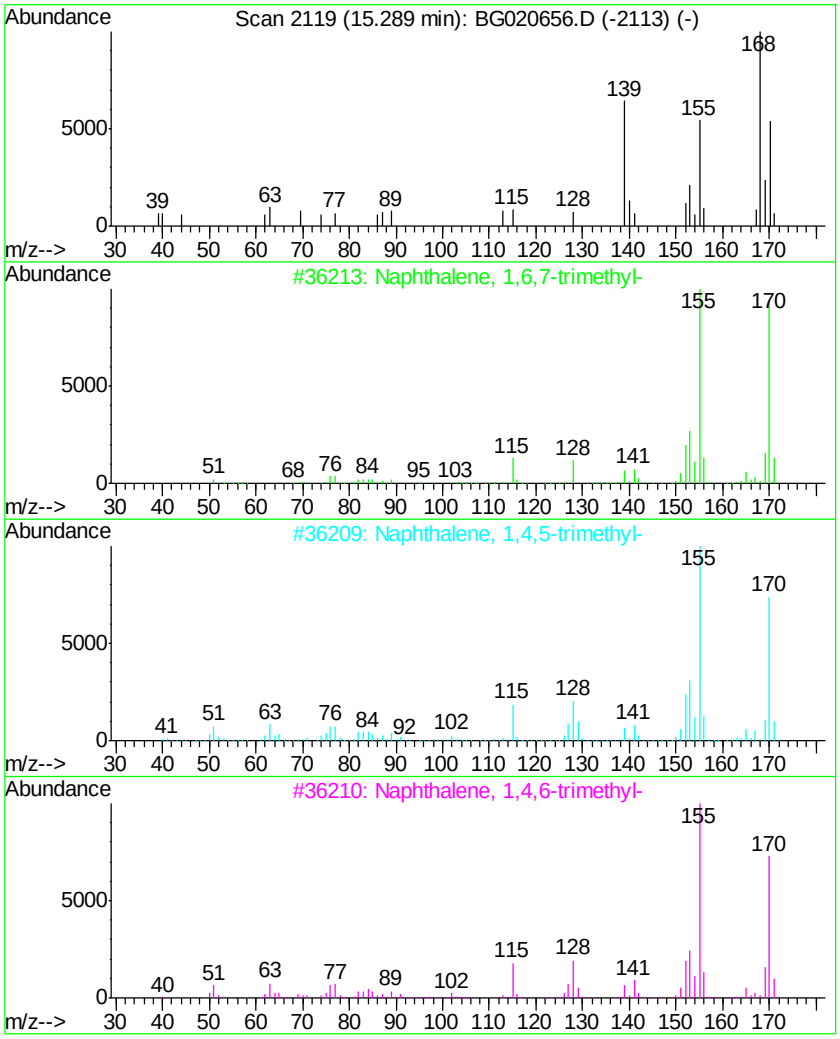
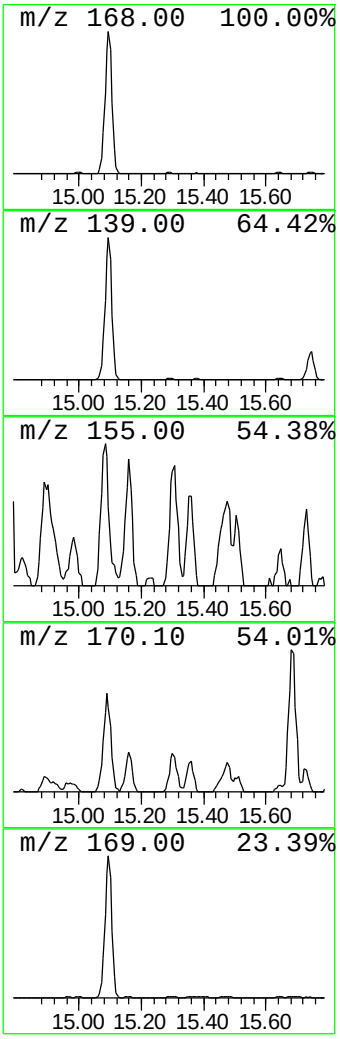
Peak Number 20 Naphthalene, 1,6,7-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	2.60 ng/ul	30689	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	55
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	55
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	55





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Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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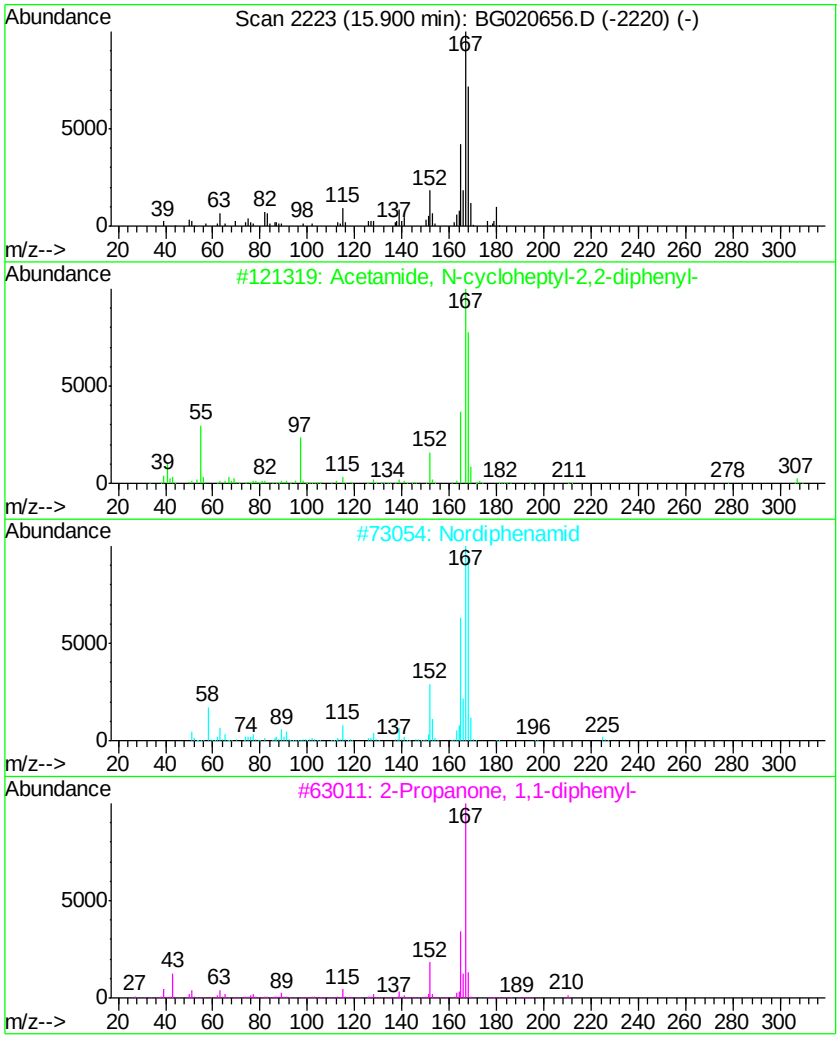
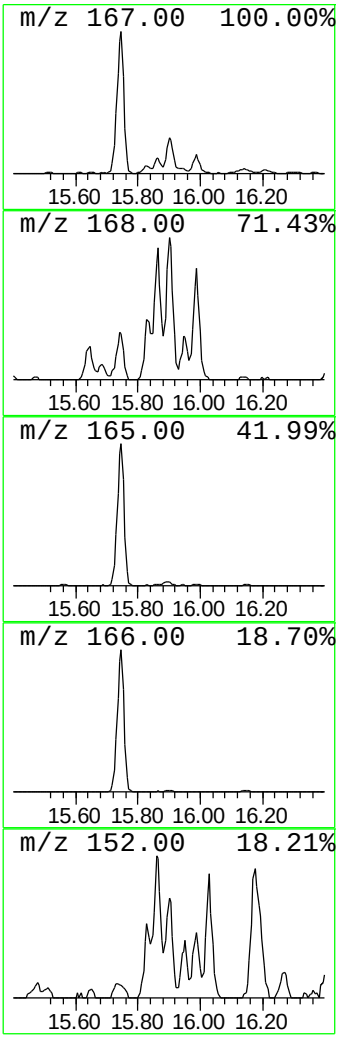
Peak Number 22 Acetamide, N-cycloheptyl-2,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	10.93 ng/ul	129197	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	72
2	Nordiphenamid	225	C15H15NO	000954-21-2	59
3	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	59
4	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	59
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59





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Quant Title : SVOA CALIBRATION

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

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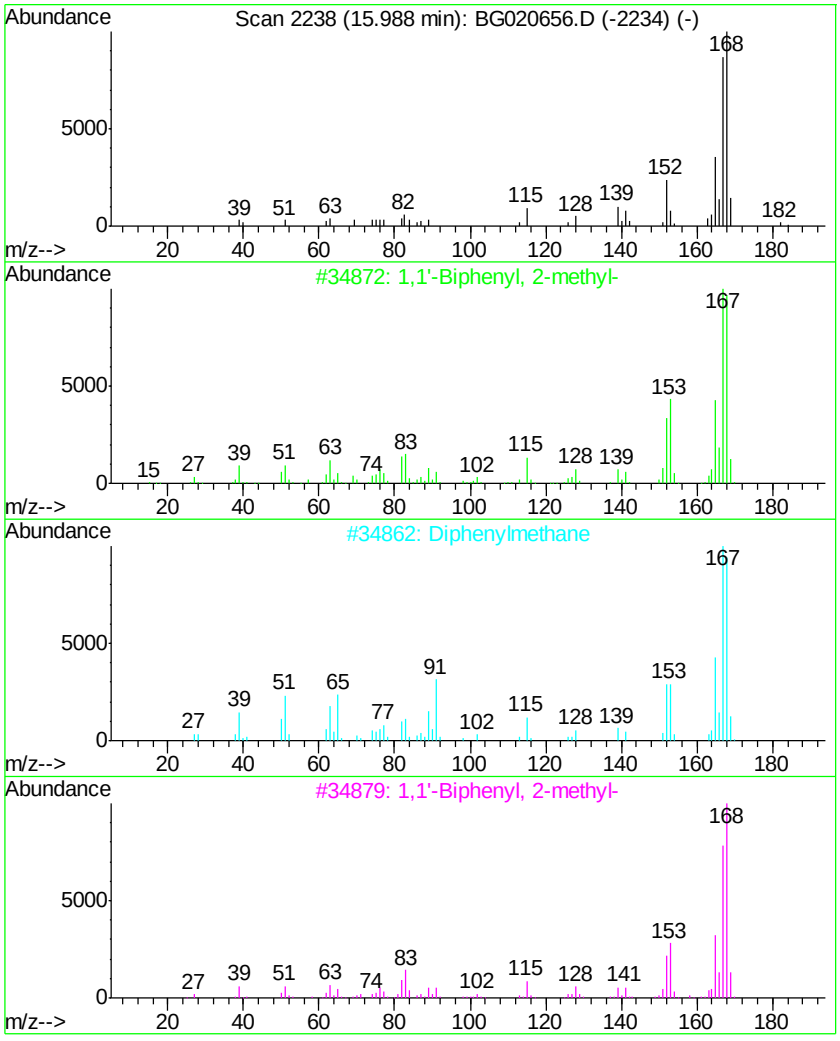
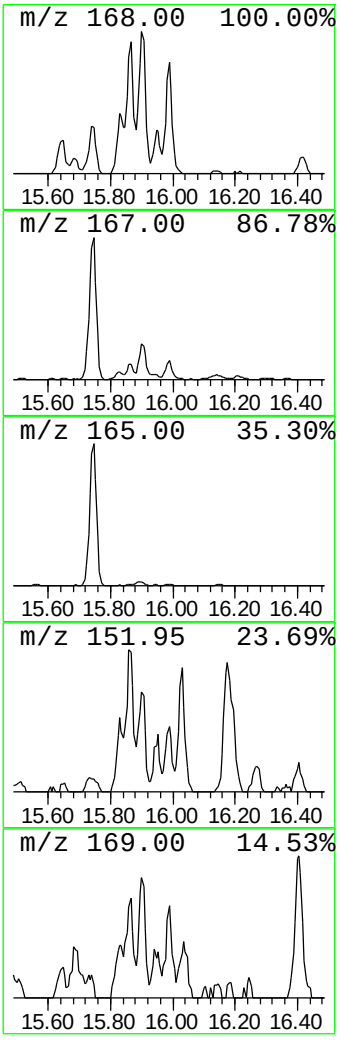
Peak Number 24 1,1'-Biphenyl, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	5.13 ng/ul	60573	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	93
2	Diphenylmethane	168	C13H12	000101-81-5	90
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83





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Quant Title : SVOA CALIBRATION

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

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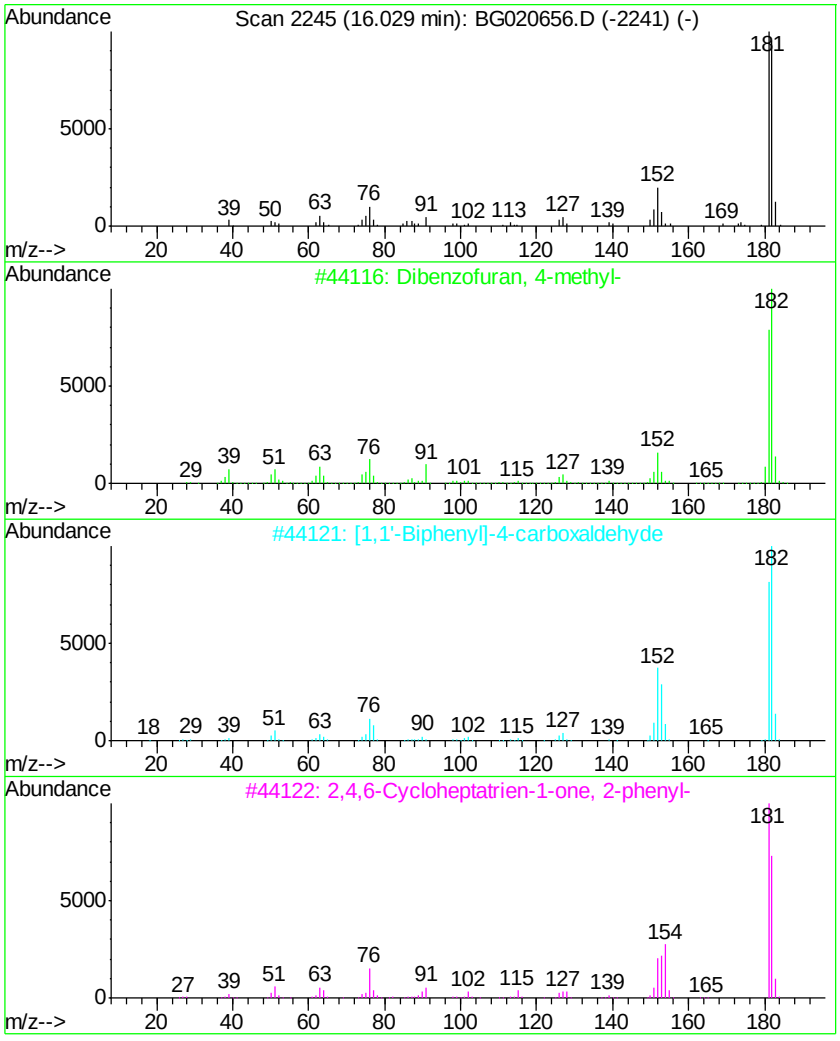
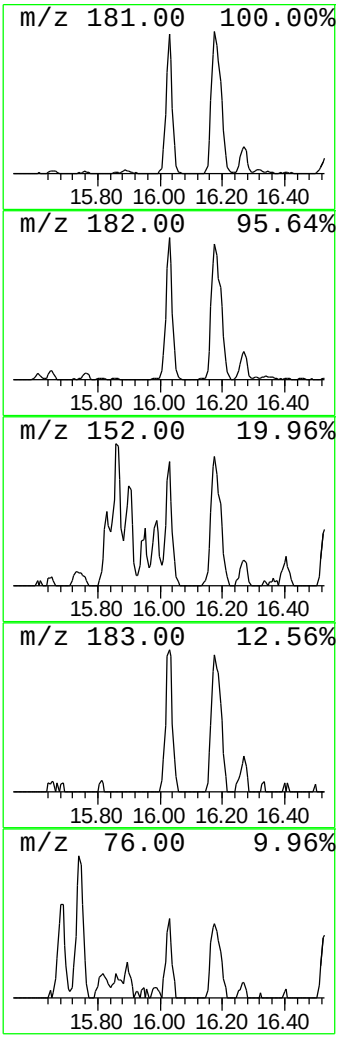
Peak Number 25 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	9.19 ng/ul	108606	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020656.D
Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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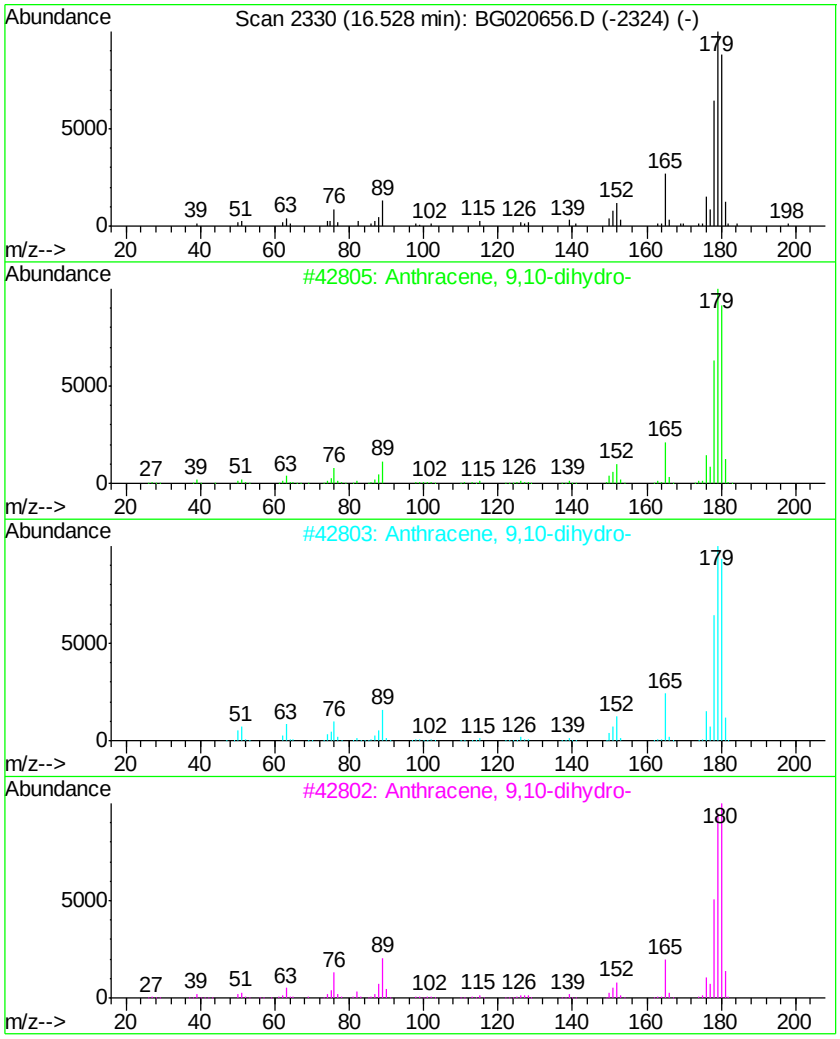
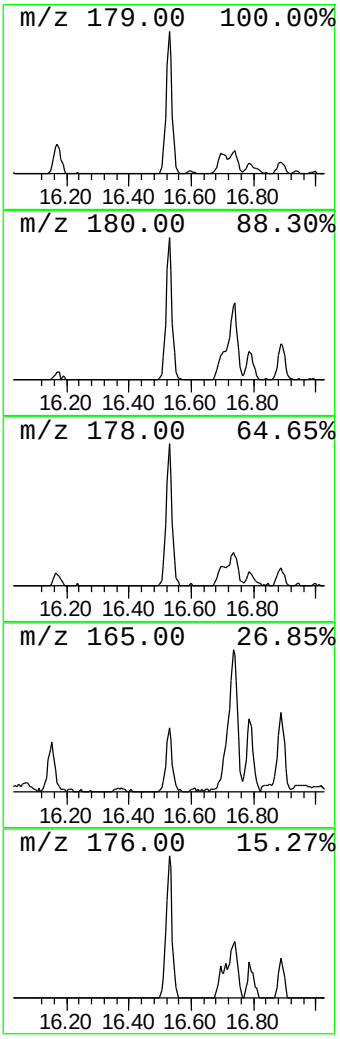
Peak Number 27 Anthracene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	6.86 ng/ul	110058	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	90





Library Search Compound Report

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Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

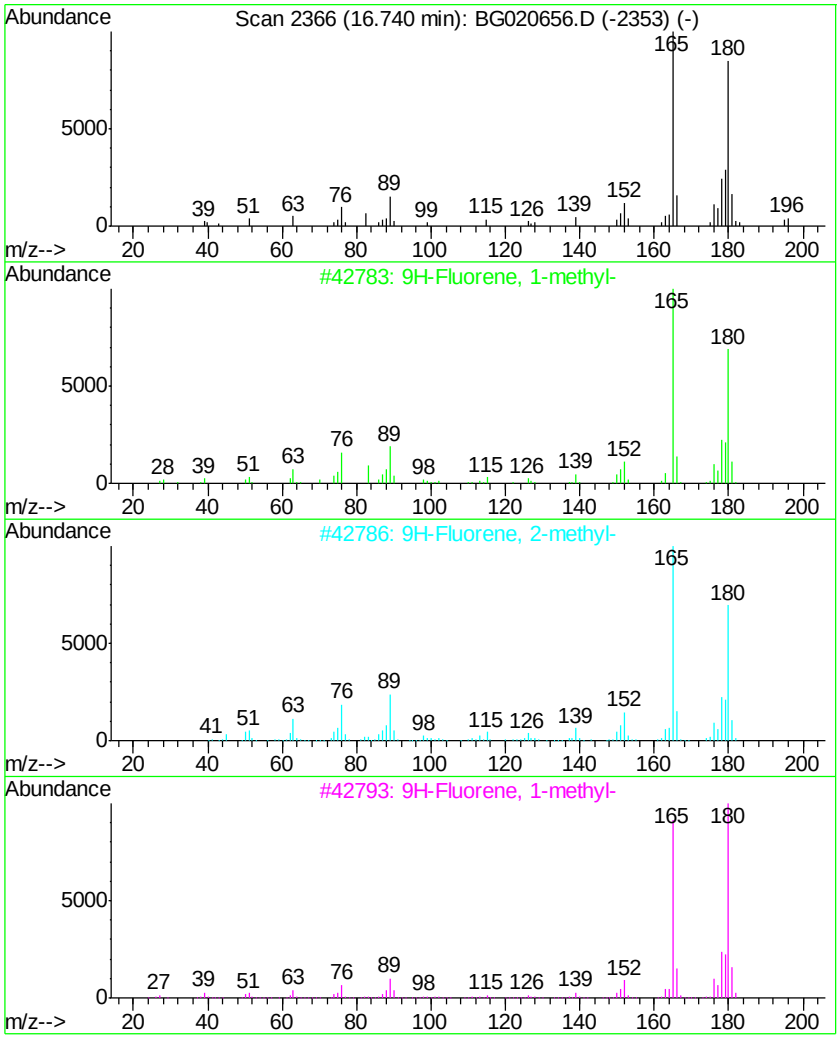
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

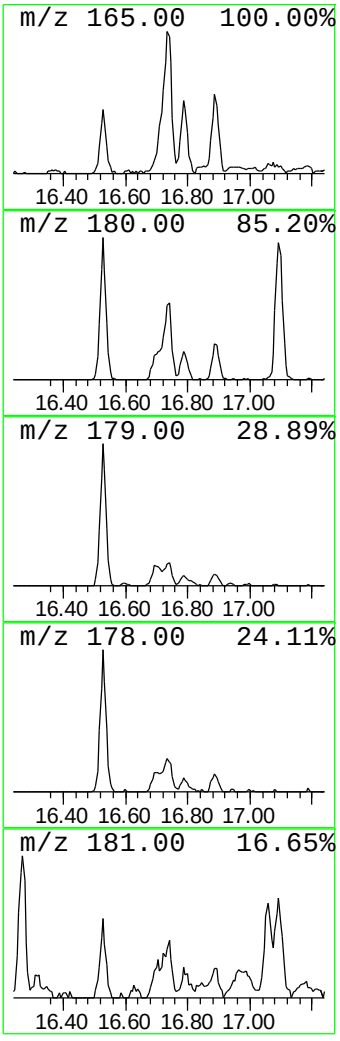
****

Peak Number 28 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	6.99 ng/ul	112044	Phenanthrene-d10	17.44

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, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93





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Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

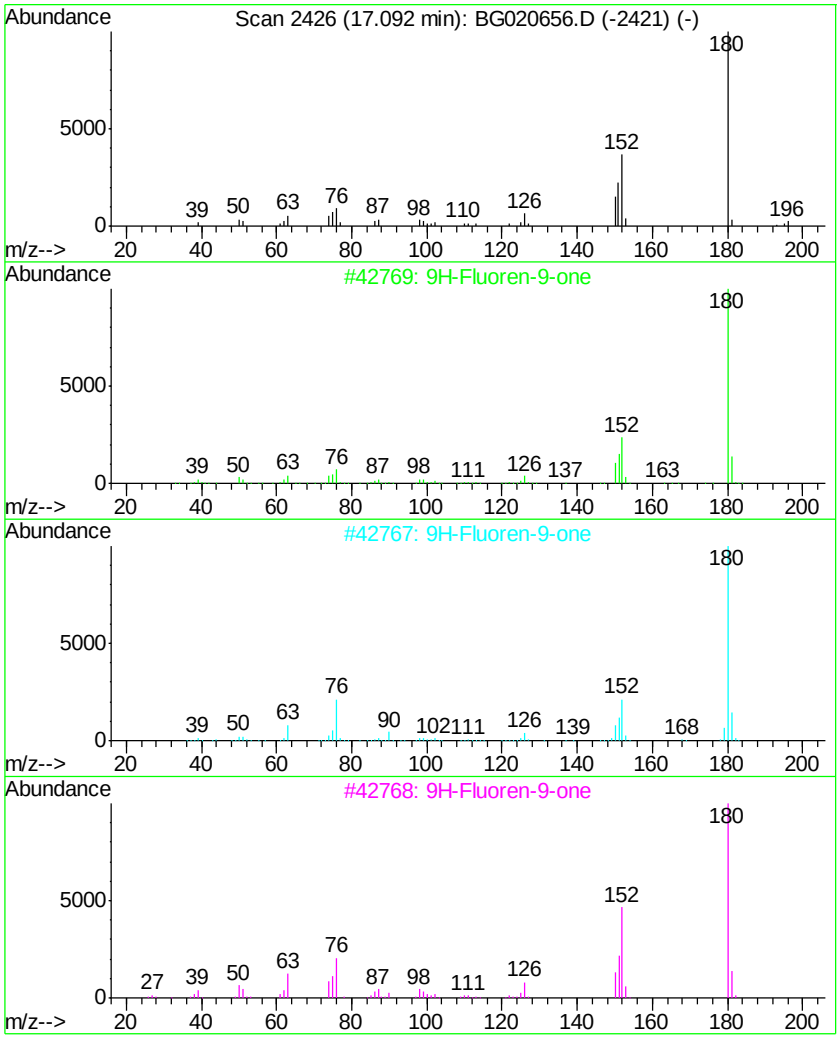
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

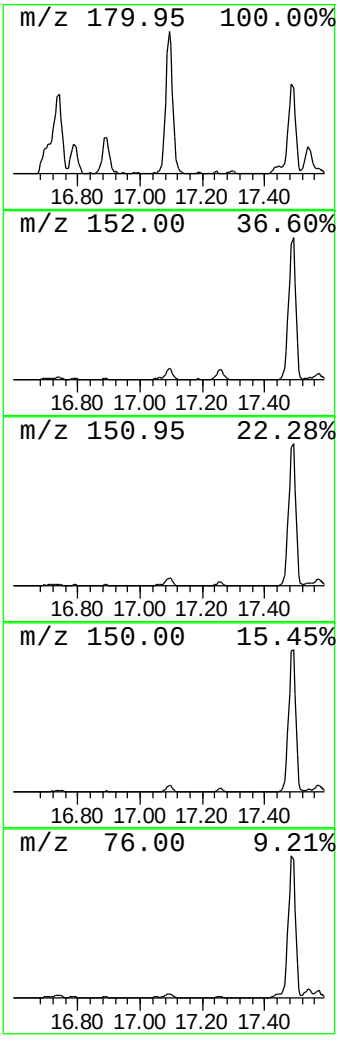
****

Peak Number 29 9H-Fluoren-9-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	4.80 ng/ul	77031	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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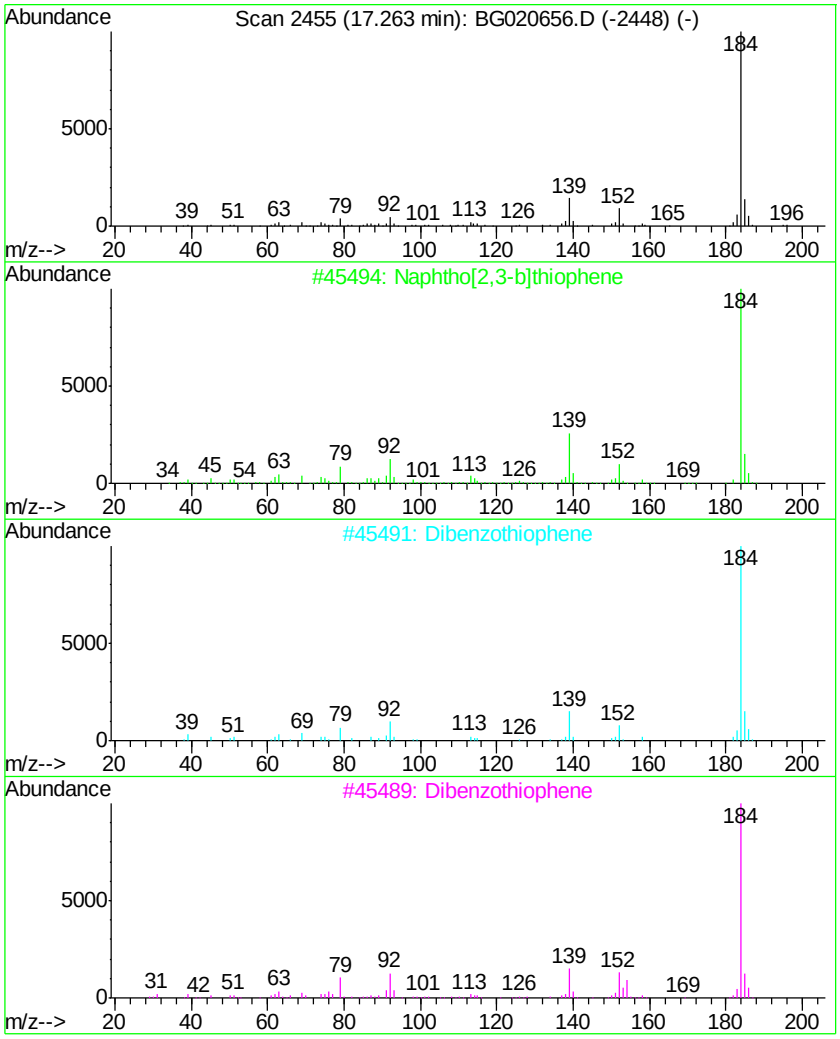
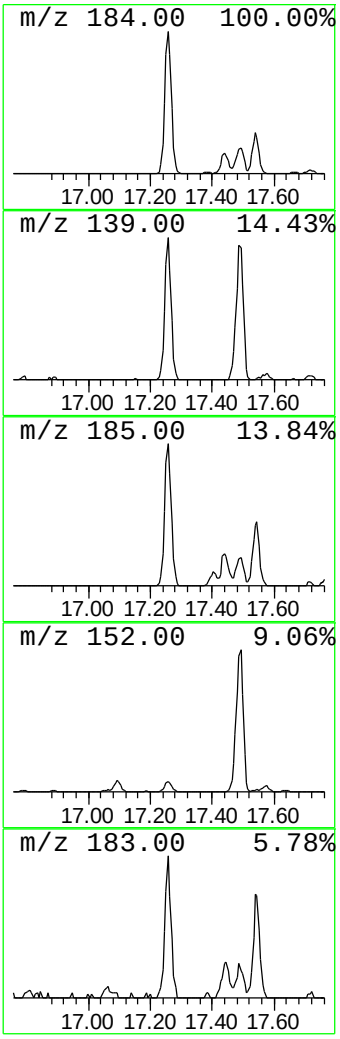
Peak Number 30 Naphtho[2,3-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	16.33 ng/ul	261829	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Data File : BG020656.D
Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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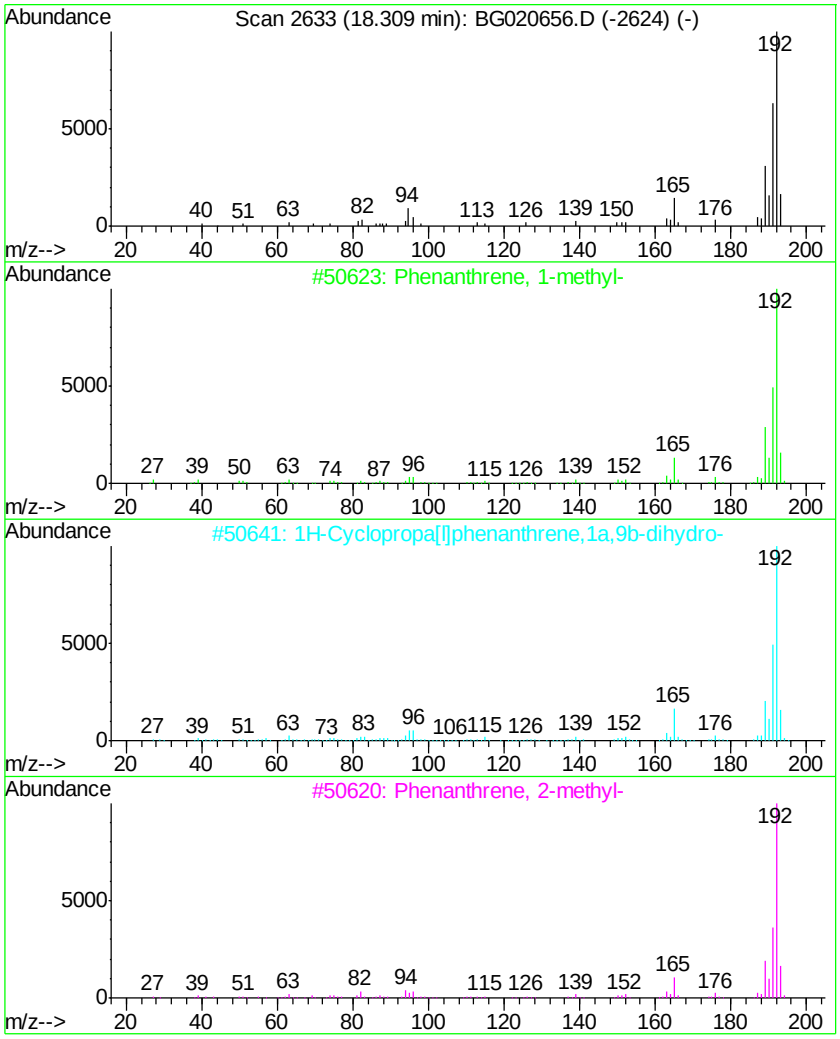
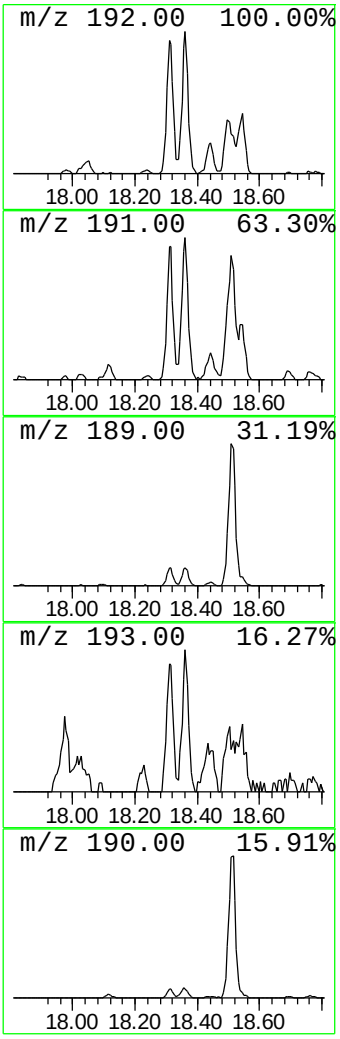
Peak Number 31 Phenanthrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	4.13 ng/ul	66266	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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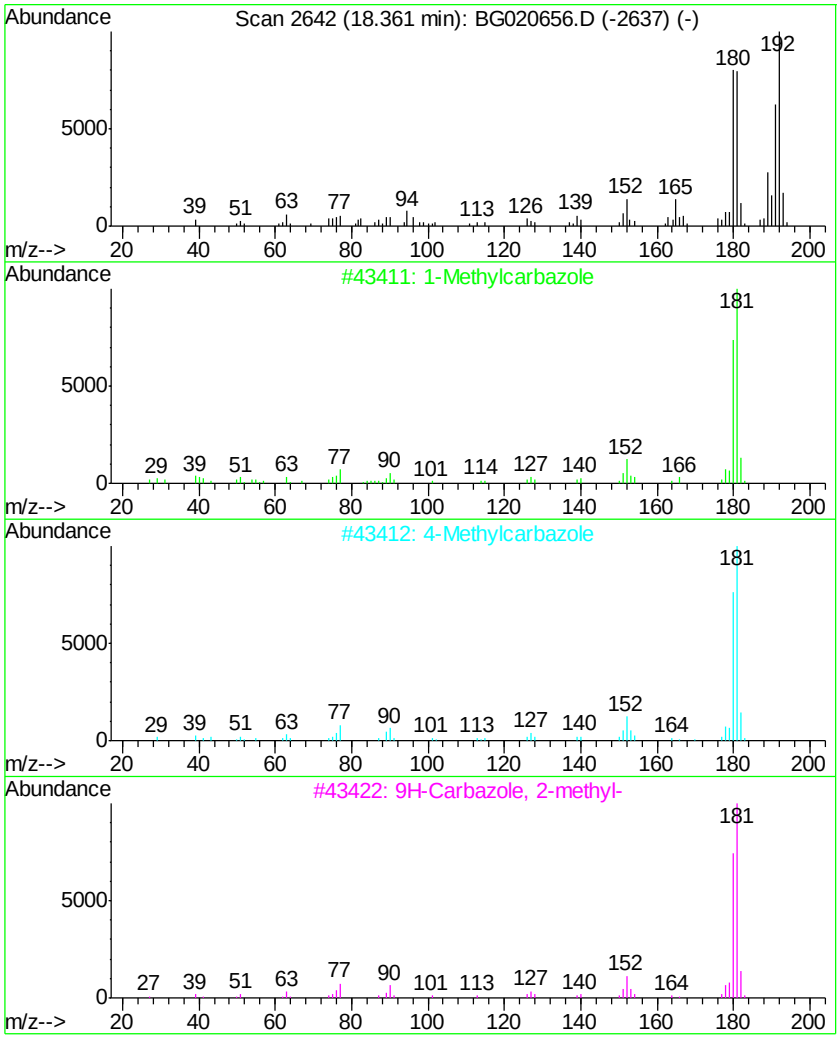
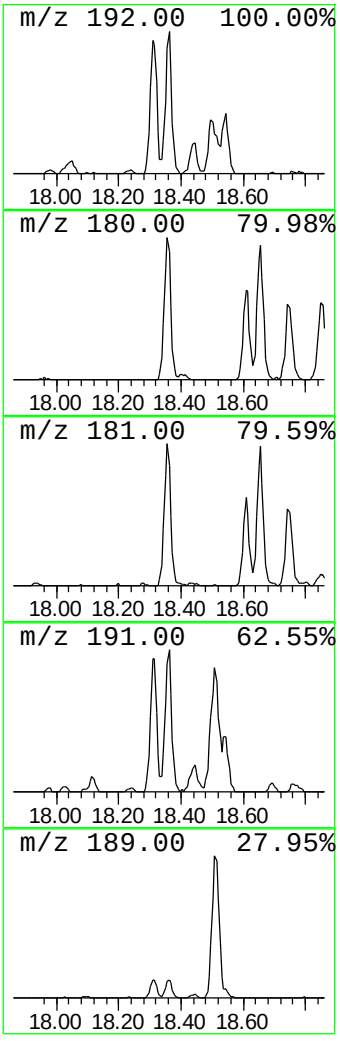
Peak Number 32 1-Methylcarbazole Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	8.25 ng/ul	132253	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcarbazole	181	C13H11N	006510-65-2	95
2	4-Methylcarbazole	181	C13H11N	003770-48-7	95
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	90
4	3-Methylcarbazole	181	C13H11N	004630-20-0	89
5	Methylcarbazole	181	C13H11N	027323-29-1	64





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Acq On : 5 Jan 2016 15:09
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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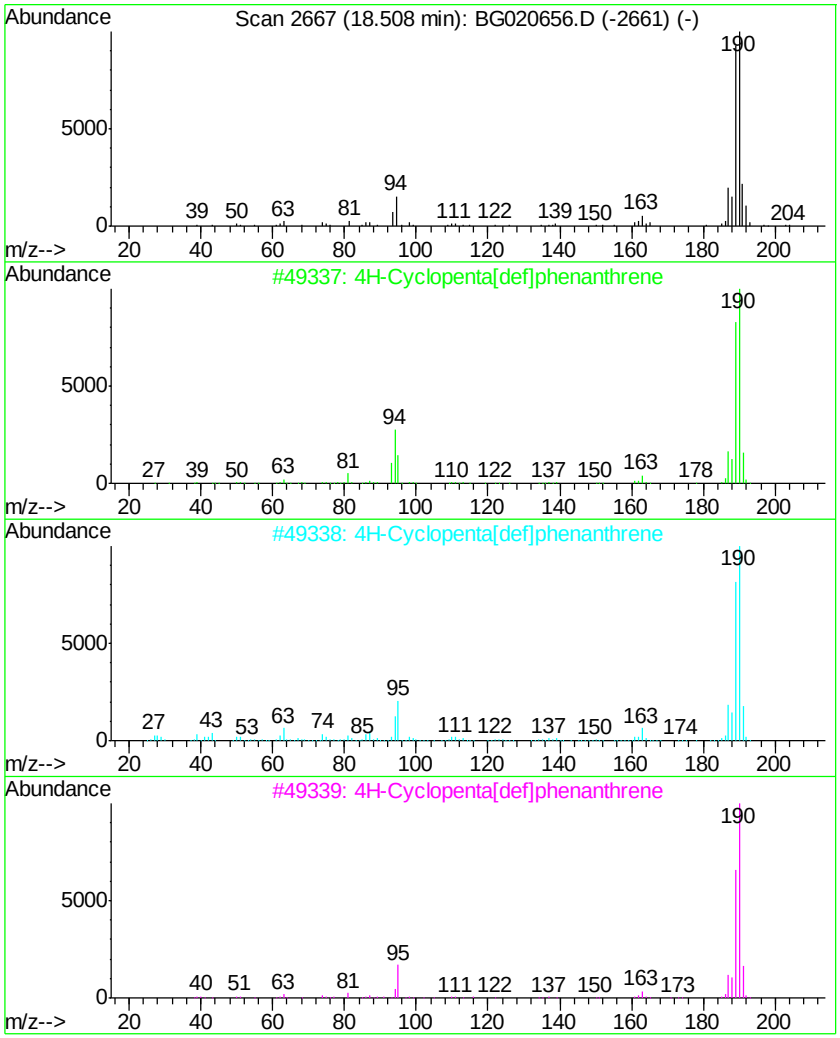
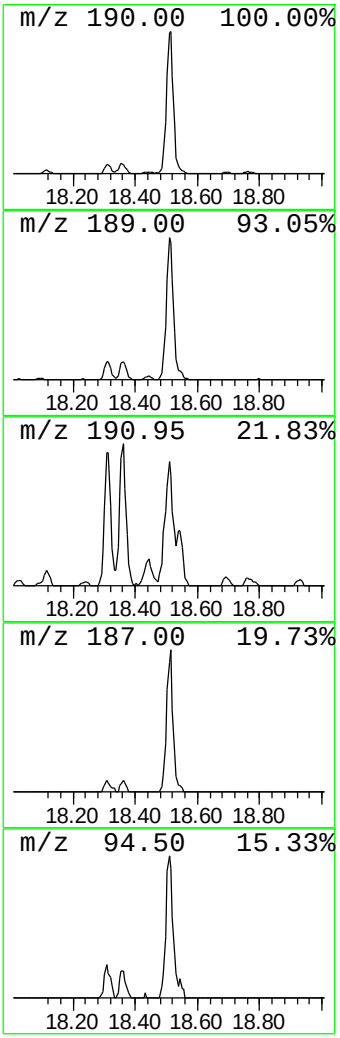
Peak Number 33 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	13.28 ng/ul	213005	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





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Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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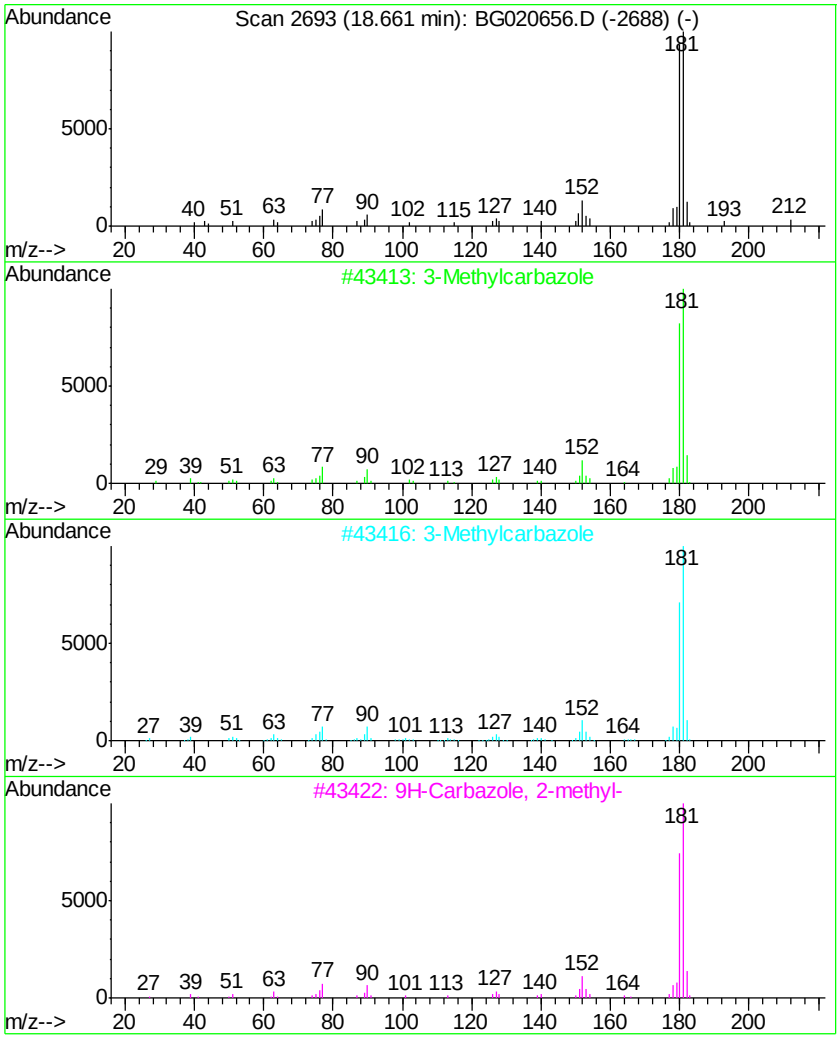
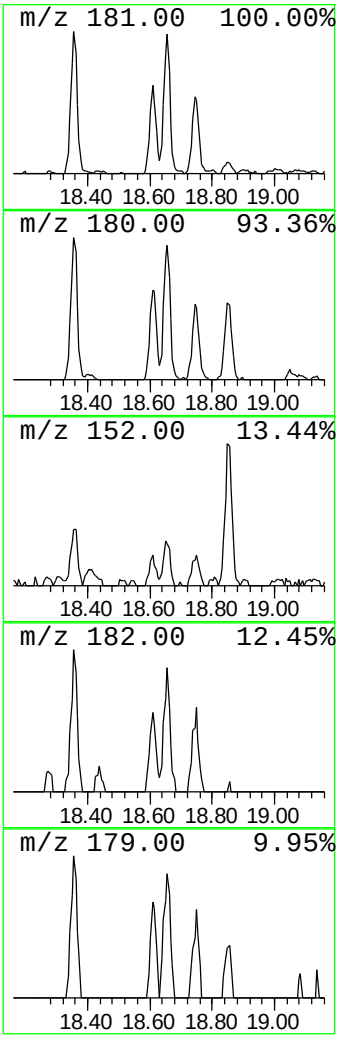
Peak Number 35 3-Methylcarbazole Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.17 ng/ul	50798	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	96
2	3-Methylcarbazole	181	C13H11N	004630-20-0	96
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	96
4	4-Methylcarbazole	181	C13H11N	003770-48-7	95
5	Methylcarbazole	181	C13H11N	027323-29-1	95





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Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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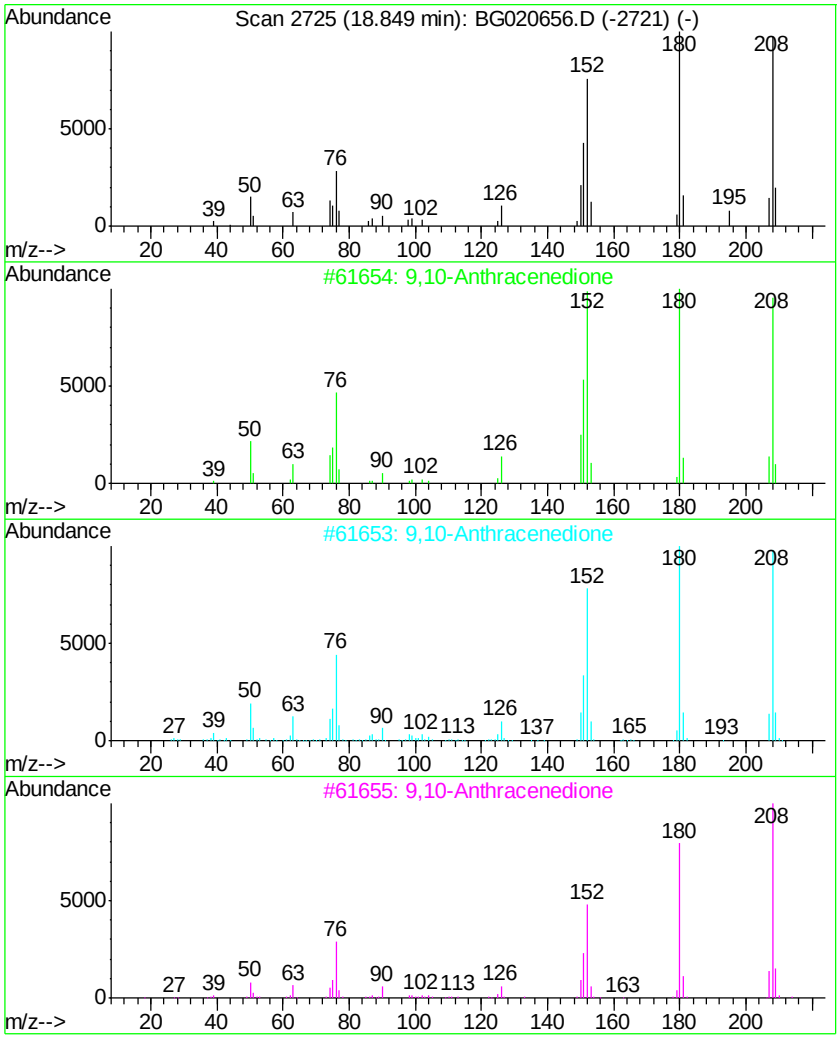
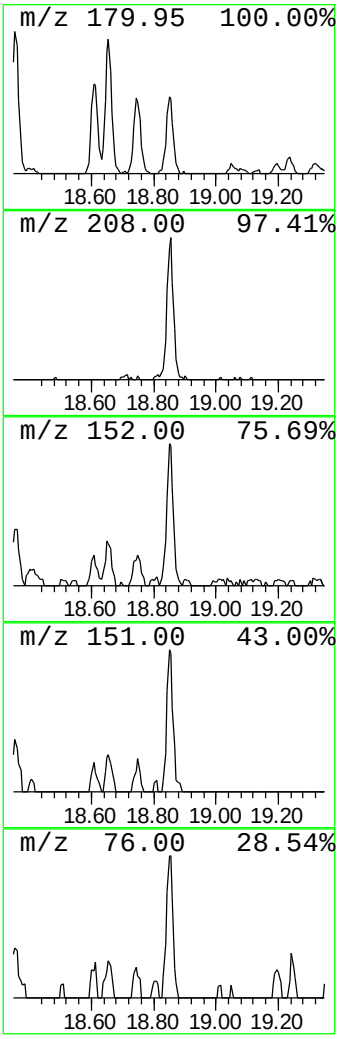
Peak Number 37 9,10-Anthracenedione Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	3.11 ng/ul	49848	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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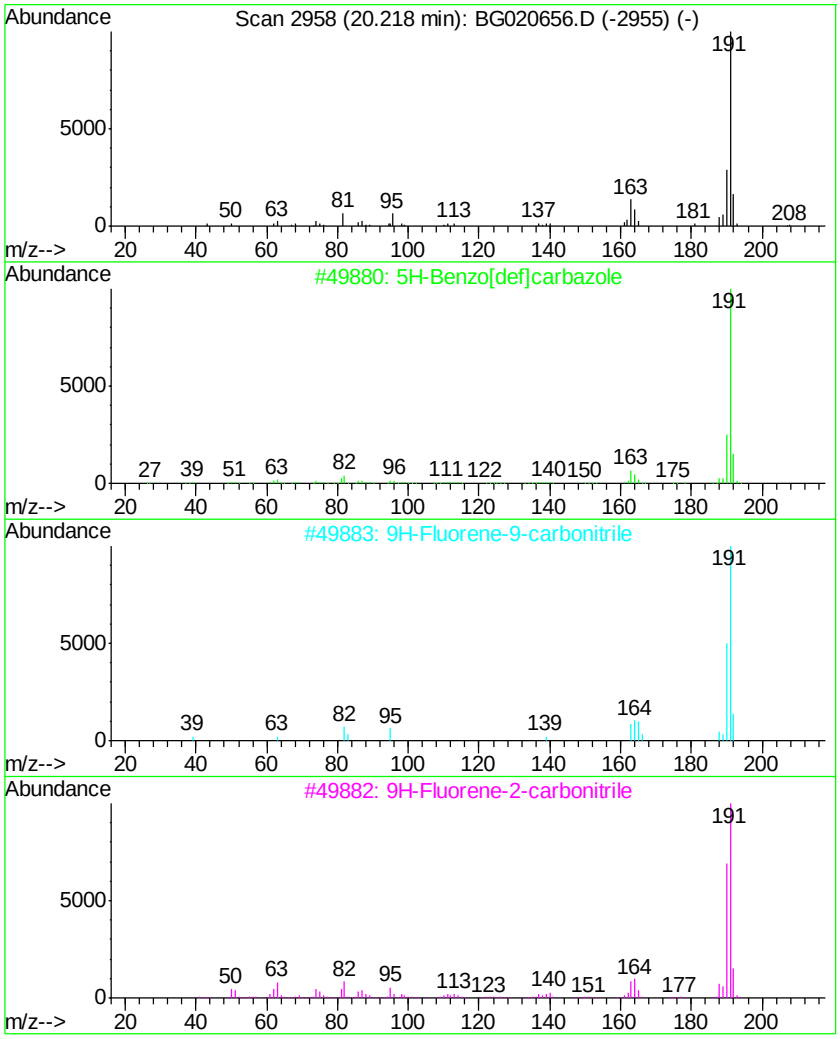
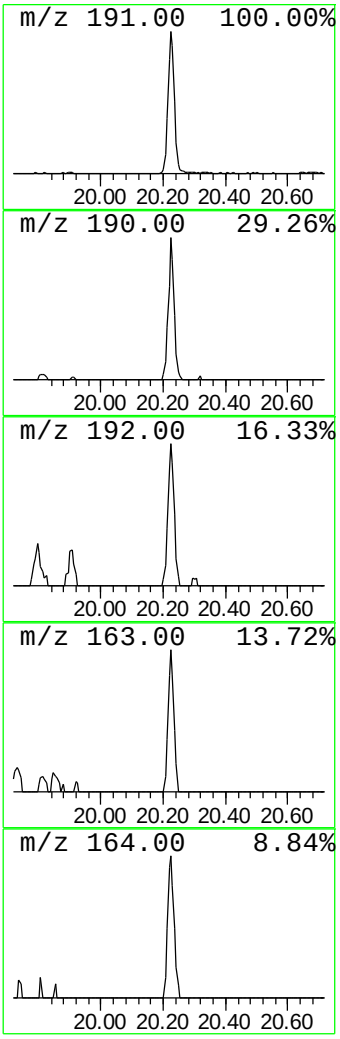
Peak Number 38 5H-Benzo[def]carbazole Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	3.11 ng/ul	71493	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzo[def]carbazole	191	C14H9N	000203-65-6	94
2	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	86
3	9H-Fluorene-2-carbonitrile	191	C14H9N	002523-48-0	80
4	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	64
5	1,2,3,6-Tetrahydropyridine, 4-[4...	191	C11H13NO2	090684-17-6	64





Tentatively Identified Compound (LSC) summary

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Data File : BG020656.D
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Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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...	3.14	6.1	ng/ul	27266	1	8.05	89171	20.0
1,6-Heptadien-3-y...	6.03	5.3	ng/ul	23502	1	8.05	89171	20.0
Benzene, 1-ethyl-...	8.17	3.4	ng/ul	14943	1	8.05	89171	20.0
Benzene, cyclopro...	8.43	50.3	ng/ul	224247	1	8.05	89171	20.0
Indene	8.59	77.9	ng/ul	347468	1	8.05	89171	20.0
Benzofuran, 2-met...	9.41	3.9	ng/ul	17374	1	8.05	89171	20.0
Naphthalene, 1-me...	12.75	2.7	ng/ul	1441500	2	10.88	10847000	20.0
Naphthalene, 1-et...	13.72	13.1	ng/ul	155071	3	14.70	236340	20.0
Naphthalene, 2,3-...	13.86	20.8	ng/ul	245183	3	14.70	236340	20.0
Naphthalene, 1,7-...	14.01	24.7	ng/ul	291890	3	14.70	236340	20.0
2-Naphthalenecarb...	14.82	12.8	ng/ul	151217	3	14.70	236340	20.0
Benzene, [1-(2,4-...	15.00	4.5	ng/ul	53754	3	14.70	236340	20.0
Naphthalene, 1,6,...	15.29	2.6	ng/ul	30689	3	14.70	236340	20.0
Acetamide, N-cycl...	15.90	10.9	ng/ul	129197	3	14.70	236340	20.0
1,1'-Biphenyl, 2-...	15.99	5.1	ng/ul	60573	3	14.70	236340	20.0
Dibenzofuran, 4-m...	16.03	9.2	ng/ul	108606	3	14.70	236340	20.0
Anthracene, 9,10-...	16.53	6.9	ng/ul	110058	4	17.44	320758	20.0
9H-Fluorene, 1-me...	16.74	7.0	ng/ul	112044	4	17.44	320758	20.0
9H-Fluoren-9-one	17.09	4.8	ng/ul	77031	4	17.44	320758	20.0
Naphtho[2,3-b]thi...	17.26	16.3	ng/ul	261829	4	17.44	320758	20.0
Phenanthrene, 1-m...	18.31	4.1	ng/ul	66266	4	17.44	320758	20.0
1-Methylcarbazole	18.36	8.3	ng/ul	132253	4	17.44	320758	20.0
4H-Cyclopenta[def...	18.51	13.3	ng/ul	213005	4	17.44	320758	20.0
3-Methylcarbazole	18.66	3.2	ng/ul	50798	4	17.44	320758	20.0
9,10-Anthracenedione	18.85	3.1	ng/ul	49848	4	17.44	320758	20.0
5H-Benzo[def]carb...	20.22	3.1	ng/ul	71493	5	21.70	459394	20.0