LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.114	42	47	56	rBV	20732	39766	2.26%	0.220%
2	3.190	56	60	73	rVB	12496	20109	1.14%	0.112%
3	7.250	745	751	762	rBB	99906	174277	9.89%	0.966%
4	7.409	772	778	789	rVB	77037	127008	7.20%	0.704%
5	7.620	808	814	824	rVB	101595	172032	9.76%	0.954%
6	8.090	888	894	904	rBB	64056	103981	5.90%	0.577%
7	8.631	981	986	993	rVB	16037	25731	1.46%	0.143%
8	8.801	1008	1015	1023	rBV	138272	235078	13.33%	1.303%
9	9.259	1086	1093	1103	rBB	105764	181240	10.28%	1.005%
10	9.982	1209	1216	1227	rBB	90520	162716	9.23%	0.902%
11	10.528	1300	1309	1320	rBB	153558	261617	14.84%	1.451%
12	10.910	1367	1374	1377	rBV	88788	158650	9.00%	0.880%
13	10.963	1377	1383	1390	rVV	489094	874288	49.59%	4.848%
14	11.045	1390	1397	1409	rVB2	130680	258694	14.67%	1.434%
15	12.555	1647	1654	1662	rBV	205870	338285	19.19%	1.876%
16	12.773	1685	1691	1699	rVB	99637	168425	9.55%	0.934%
17	13.554	1818	1824	1831	rBV	71473	105585	5.99%	0.585%
18	13.754	1853	1858	1867	rBB	19291	32366	1.84%	0.179%
19	13.901	1874	1883	1889	rBB3	24901	64680	3.67%	0.359%
20	14.042	1901	1907	1912	rVV	37360	66427	3.77%	0.368%
21	14.124	1912	1921	1925	rVV	293197	458632	26.02%	2.543%
22	14.171	1925	1929	1935	rVB	140086	185671	10.53%	1.030%
23	14.277	1942	1947	1952	rBV2	14832	25534	1.45%	0.142%
24	14.418	1964	1971	1981	rVB	322366	526935	29.89%	2.922%
25	14.688	2012	2017	2019	rBV	24139	34641	1.97%	0.192%
26	14.724	2019	2023	2028	rVV2	160522	244359	13.86%	1.355%
27	14.788	2028	2034	2041	rVV	398959	627265	35.58%	3.478%
28	14.853	2041	2045	2051	rVB	24758	36910	2.09%	0.205%
29	14.929	2051	2058	2066	rBV	110641	188498	10.69%	1.045%
30	15.029	2070	2075	2079	rVB2	11177	17808	1.01%	0.099%
31	15.117	2084	2090	2098	rVV	274595	433876	24.61%	2.406%
32	15.199	2098	2104	2110	rVB3	15370	27581	1.56%	0.153%
33	15.546	2159	2163	2167	rVV3	11645	15521	0.88%	0.086%
34	15.711	2181	2191	2196	rVV	419397	656833	37.26%	3.642%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	15.769	2196	2201	2207	rVV2	365959	548468	31.11%	3.041%
36	15.828	2207	2211	2219	rVV	117735	187757	10.65%	1.041%
37	15.893	2219	2222	2225	rVV	20955	32805	1.86%	0.182%
38	15.928	2225	2228	2235	rVV3	39231	71345	4.05%	0.396%
39	16.016	2239	2243	2246	rVV	21246	29742	1.69%	0.165%
40	16.057	2246	2250	2256	rVV	40435	61558	3.49%	0.341%
41	16.204	2265	2275	2283	rVV	45903	98846	5.61%	0.548%
42	16.404	2303	2309	2312	rVV3	12683	18072	1.03%	0.100%
43	16.557	2331	2335	2344	rVB2	21178	30273	1.72%	0.168%
44	16.768	2359	2371	2376	rBV3	33335	78595	4.46%	0.436%
45	16.815	2376	2379	2385	rVV3	11447	17352	0.98%	0.096%
46	16.915	2391	2396	2401	rVB2	13852	21819	1.24%	0.121%
47	16.991	2401	2409	2412	rBV3	9984	22495	1.28%	0.125%
48	17.197	2437	2444	2450	rBV4	22936	49568	2.81%	0.275%
49	17.285	2455	2459	2469	rVB	78323	116148	6.59%	0.644%
50	17.467	2483	2490	2493	rVV	203850	316844	17.97%	1.757%
51	17.514	2493	2498	2503	rVV	1161881	1762899	100.00%	9.775%
52	17.567	2503	2507	2511	rVV	489360	760915	43.16%	4.219%
53	17.602	2511	2513	2518	rVV	127116	147950	8.39%	0.820%
54	17.650	2518	2521	2527	rVV4	7989	15495	0.88%	0.086%
55	17.873	2547	2559	2567	rBV	136511	235243	13.34%	1.304%
56	17.984	2573	2578	2582	rVV3	16724	25993	1.47%	0.144%
57	18.043	2582	2588	2596	rVB5	8112	20038	1.14%	0.111%
58	18.343	2634	2639	2643	rBV	70697	95615	5.42%	0.530%
59	18.390	2643	2647	2653	rVB	106317	150448	8.53%	0.834%
60	18.466	2653	2660	2666	rBV2	34617	58030	3.29%	0.322%
61	18.543	2666	2673	2676	rBV2	127971	225412	12.79%	1.250%
62	18.637	2683	2689	2693	rBV4	8170	16507	0.94%	0.092%
63	18.778	2705	2713	2717	rVV7	9284	20585	1.17%	0.114%
64	18.836	2717	2723	2727	rVV	58982	83278	4.72%	0.462%
65	18.877	2727	2730	2735	rVB3	11264	14337	0.81%	0.079%
66	19.248	2788	2793	2798	rVV3	16376	27028	1.53%	0.150%
67	19.312	2798	2804	2813	rVV9	11011	25858	1.47%	0.143%
68	19.518	2831	2839	2845	rVV	677910	966705	54.84%	5.360%
69	19.759	2874	2880	2884	rVB2	19387	30604	1.74%	0.170%
70	19.847	2889	2895	2898	rBV2	691537	1076178	61.05%	5.967%
71	19.876	2898	2900	2908	rVV	440146	589003	33.41%	3.266%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	19.941	2908	2911	2919	rVB2	22329	31834	1.81%	0.177%
73	20.053	2921	2930	2935	rBV	25874	39222	2.22%	0.217%
74	20.194	2948	2954	2960	rVV2	21707	52231	2.96%	0.290%
75	20.252	2960	2964	2969	rVB	17789	22981	1.30%	0.127%
76	20.311	2969	2974	2976	rBV3	22163	35026	1.99%	0.194%
77	20.364	2979	2983	2989	rVB	78297	106419	6.04%	0.590%
78	20.464	2994	3000	3004	rBV	85973	119141	6.76%	0.661%
79	20.523	3004	3010	3013	rVV3	21817	40574	2.30%	0.225%
80	20.558	3013	3016	3020	rVV	14092	16413	0.93%	0.091%
81	20.664	3030	3034	3037	rBV	11878	17121	0.97%	0.095%
82	20.711	3038	3042	3044	rVV3	12830	19167	1.09%	0.106%
83	20.740	3044	3047	3053	rVB	38116	46805	2.66%	0.260%
84	20.893	3068	3073	3079	rBV5	8688	16273	0.92%	0.090%
85	21.081	3101	3105	3110	rBV3	9023	17860	1.01%	0.099%
86	21.316	3140	3145	3149	rBV	21520	34637	1.96%	0.192%
87	21.357	3149	3152	3157	rVV2	27156	42566	2.41%	0.236%
88	21.404	3157	3160	3165	rVV3	16200	27351	1.55%	0.152%
89	21.739	3205	3217	3222	rBV2	289590	643974	36.53%	3.571%
90	21.786	3222	3225	3232	rVB	81297	130454	7.40%	0.723%
91	21.944	3245	3252	3256	rBV2	17015	29656	1.68%	0.164%
92	22.150	3284	3287	3293	rVV4	8703	16423	0.93%	0.091%
93	23.225	3465	3470	3475	rBV6	9982	17488	0.99%	0.097%
94	23.425	3500	3504	3510	rVB5	8269	14586	0.83%	0.081%
95	23.971	3589	3597	3603	rBV	19234	60671	3.44%	0.336%
96	24.706	3716	3722	3726	rBV3	8122	20532	1.16%	0.114%
97	24.788	3726	3736	3746	rBV	299224	869089	49.30%	4.819%
98	25.011	3764	3774	3785	rBV	133810	396230	22.48%	2.197%
99	26.145	3961	3967	3975	rVB6	8088	22982	1.30%	0.127%
100	27.520	4196	4201	4212	rVB7	8109	26351	1.49%	0.146%

Sum of corrected areas: 18034884

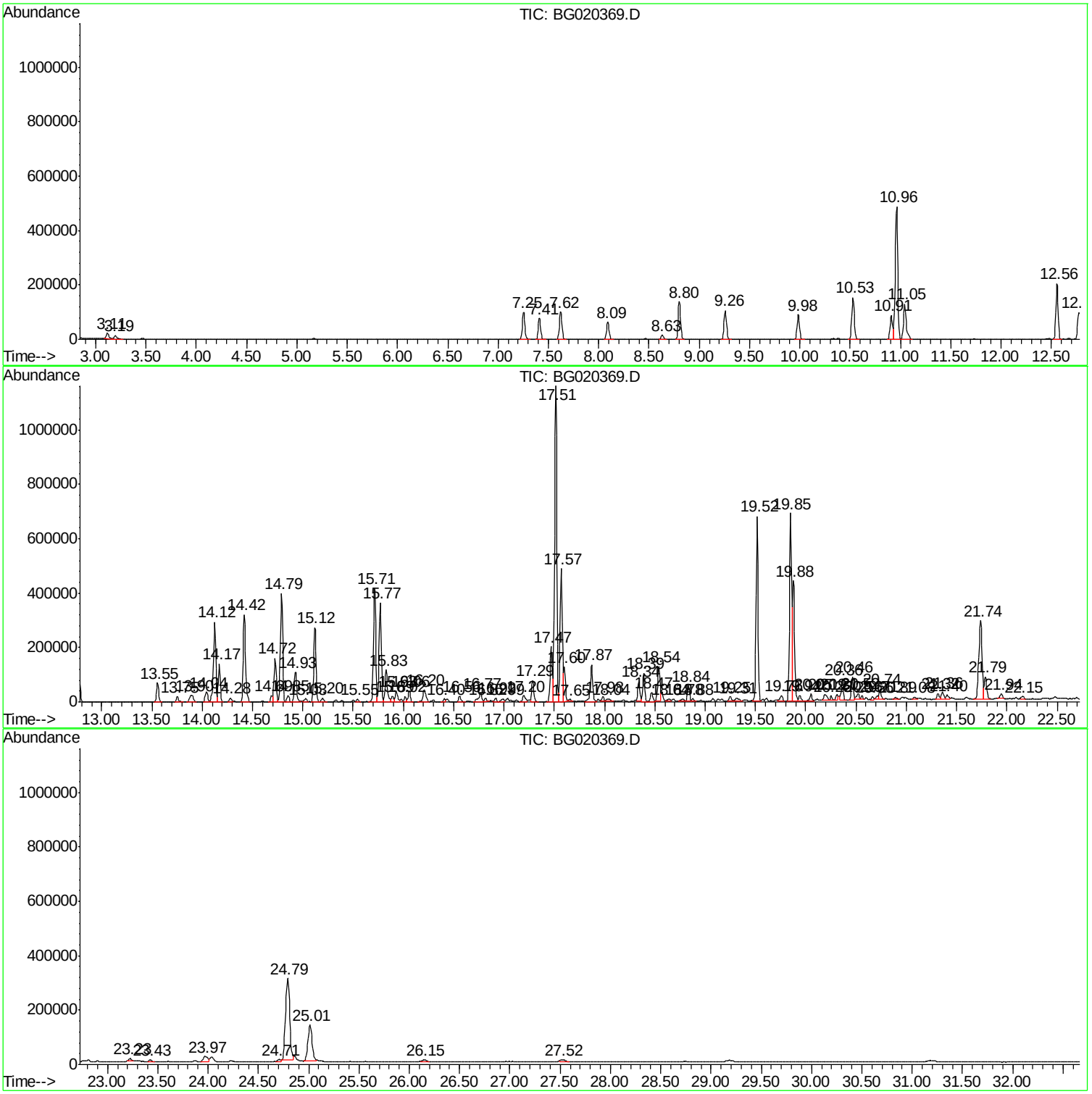
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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 : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
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Misc :
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

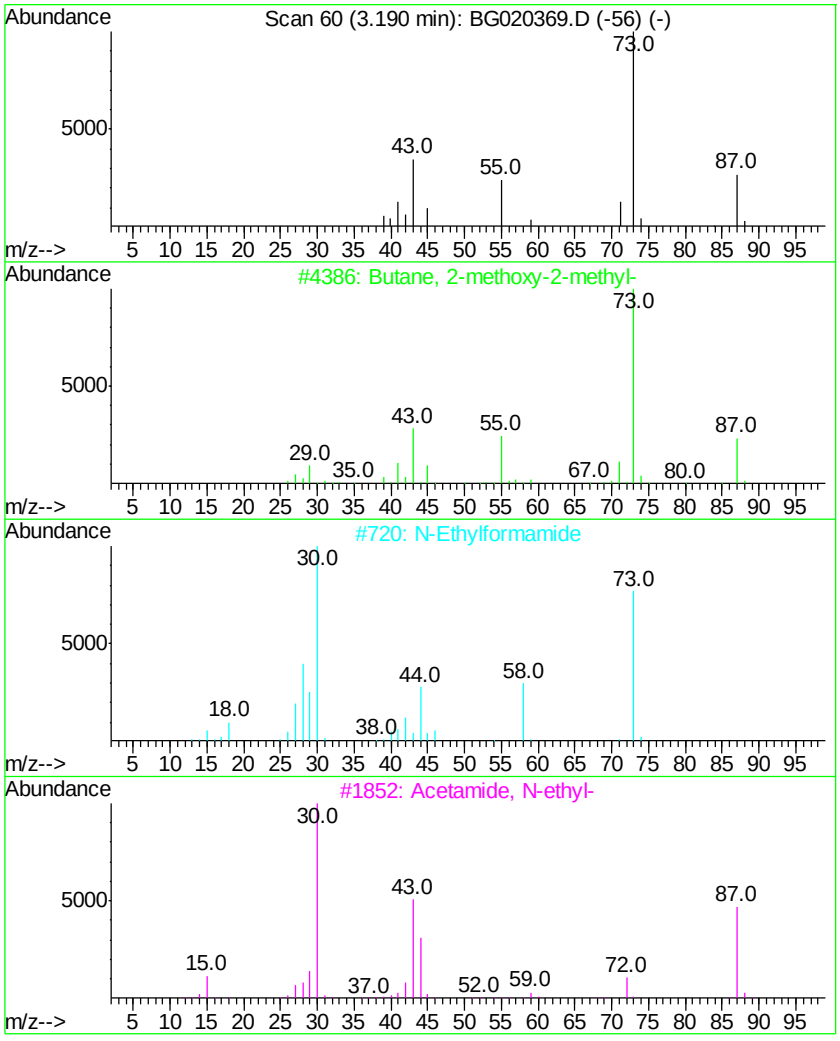
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

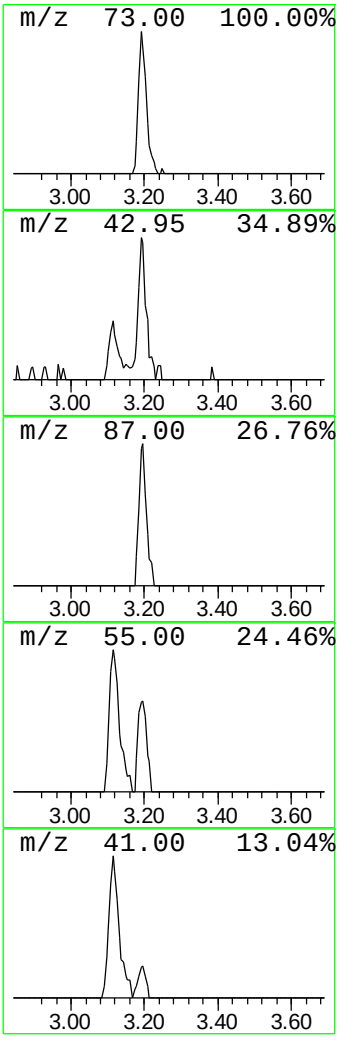
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	3.87 ng/ul	20109	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
5	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

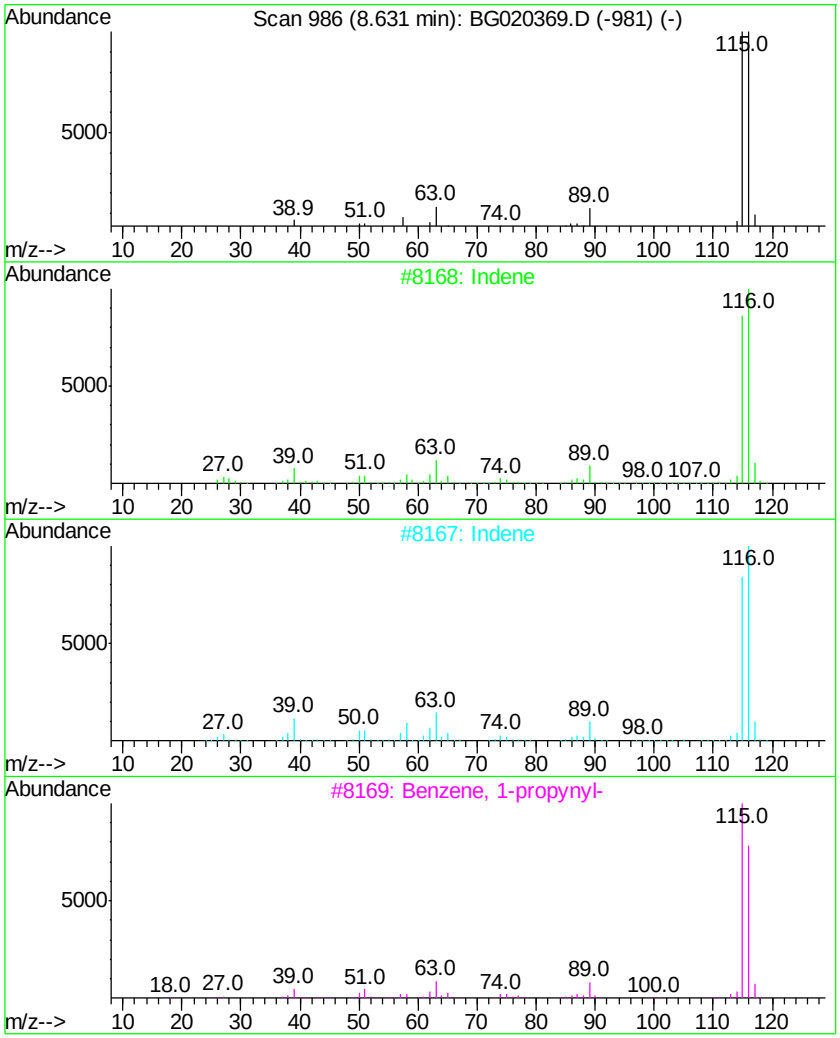
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

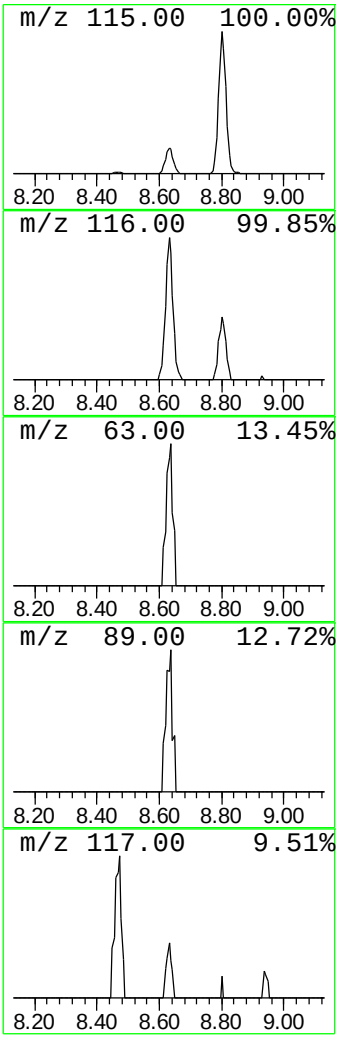
****

Peak Number 3 Indene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	4.95 ng/ul	25731	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	91
2	Indene	116	C9H8	000095-13-6	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Indene	116	C9H8	000095-13-6	87
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

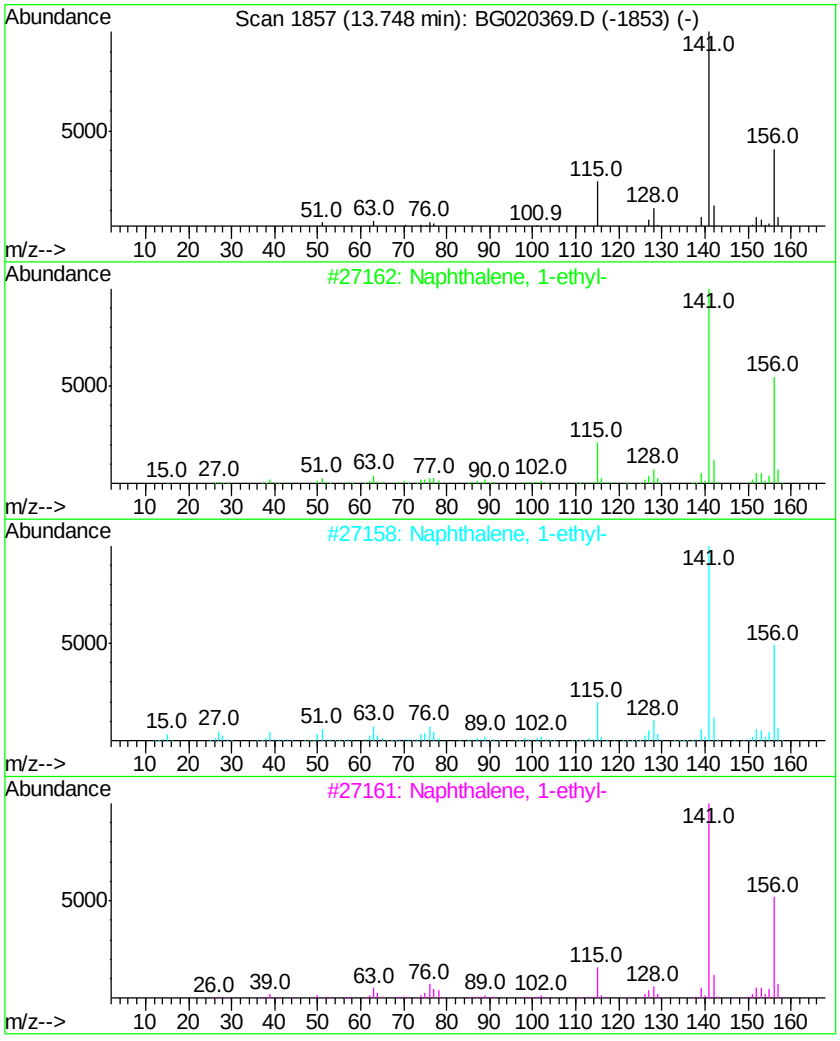
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

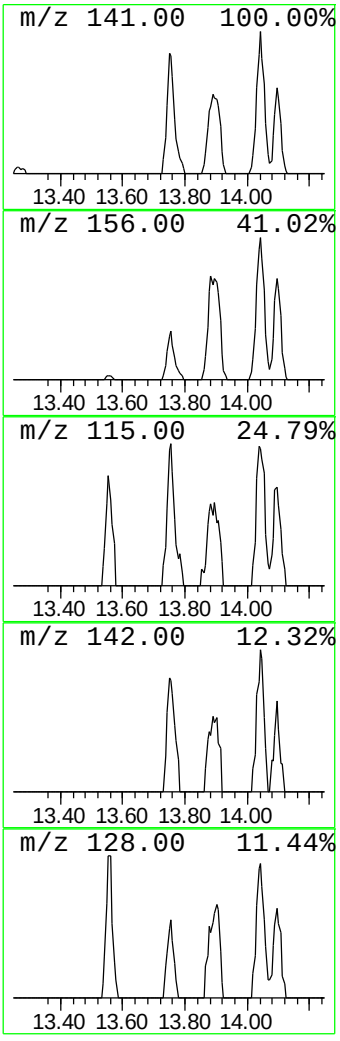
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.65 ng/ul	32366	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

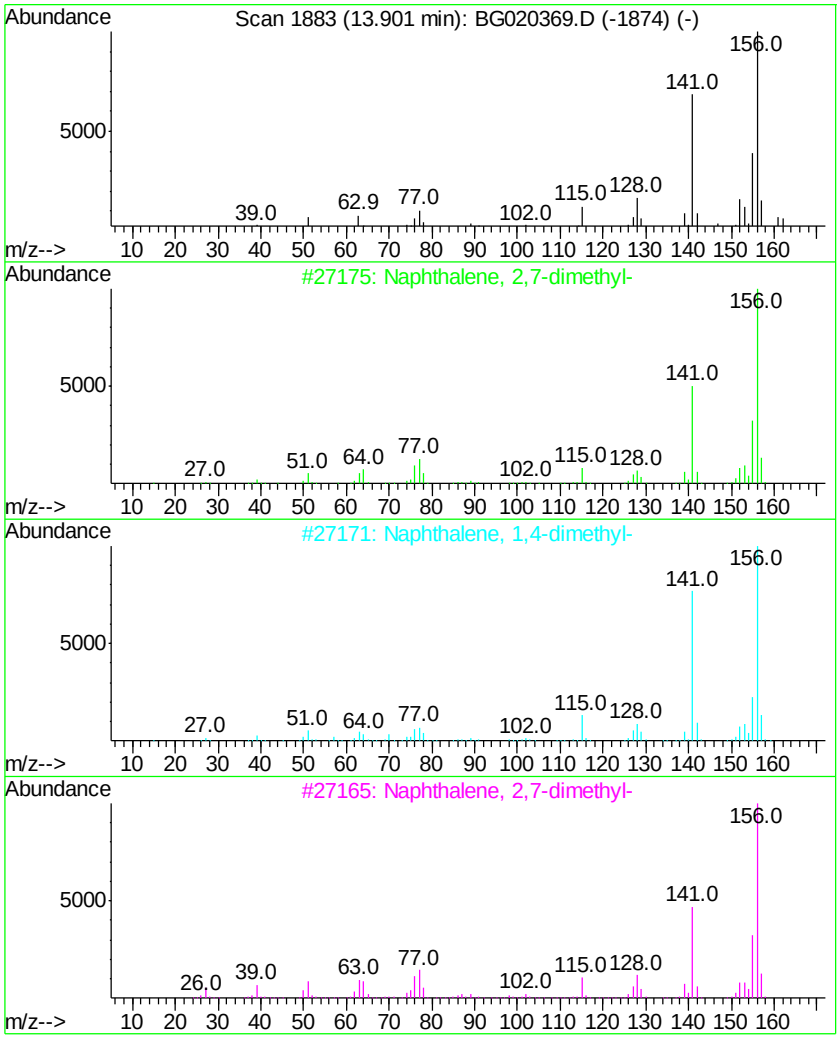
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

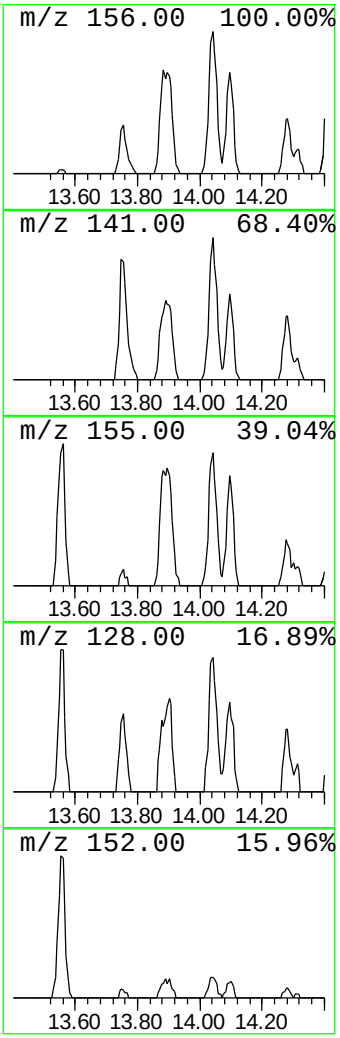
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	5.29 ng/ul	64680	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

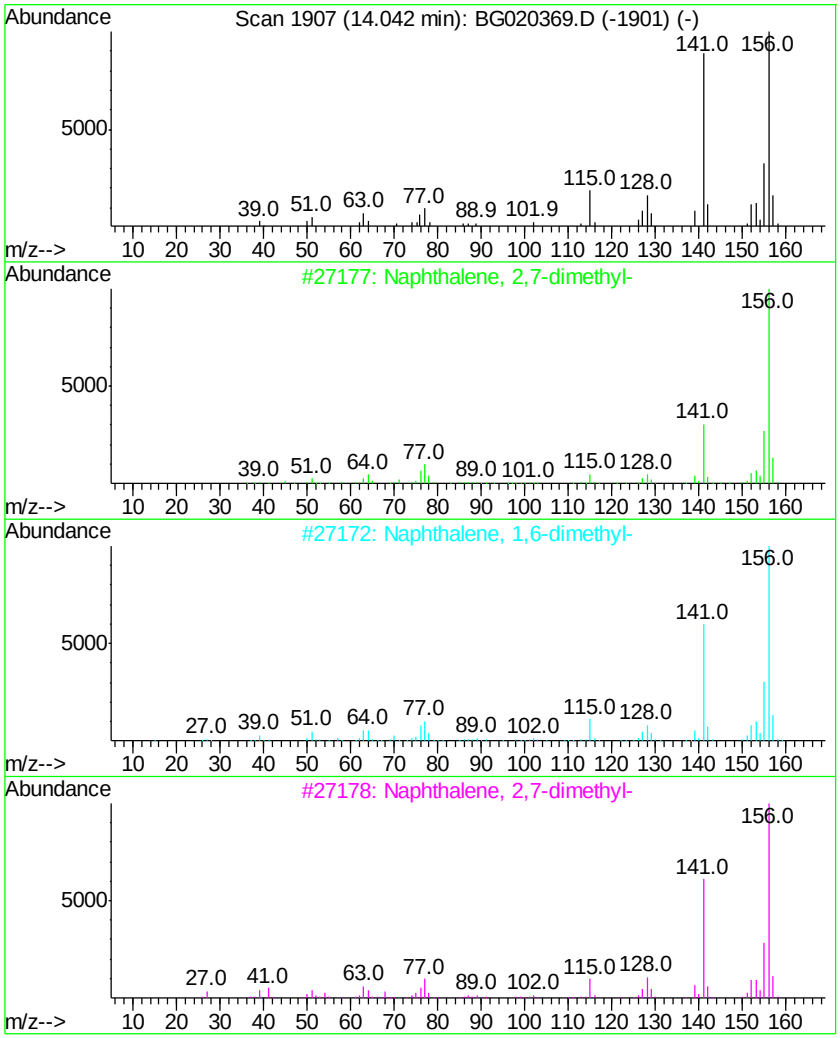
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

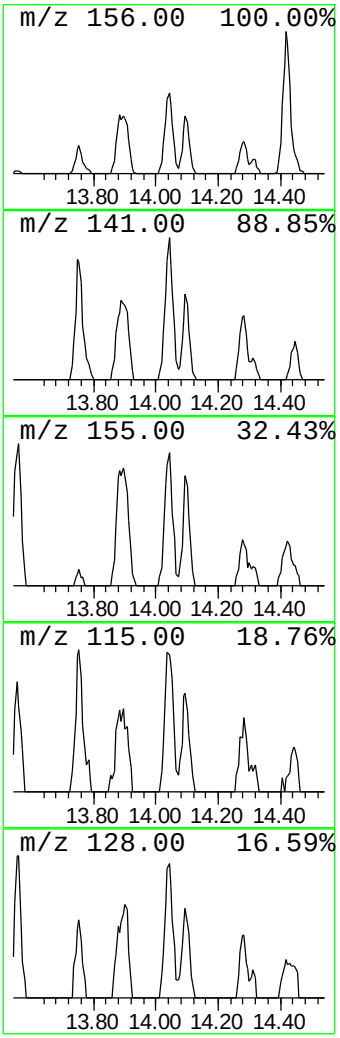
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	5.44 ng/ul	66427	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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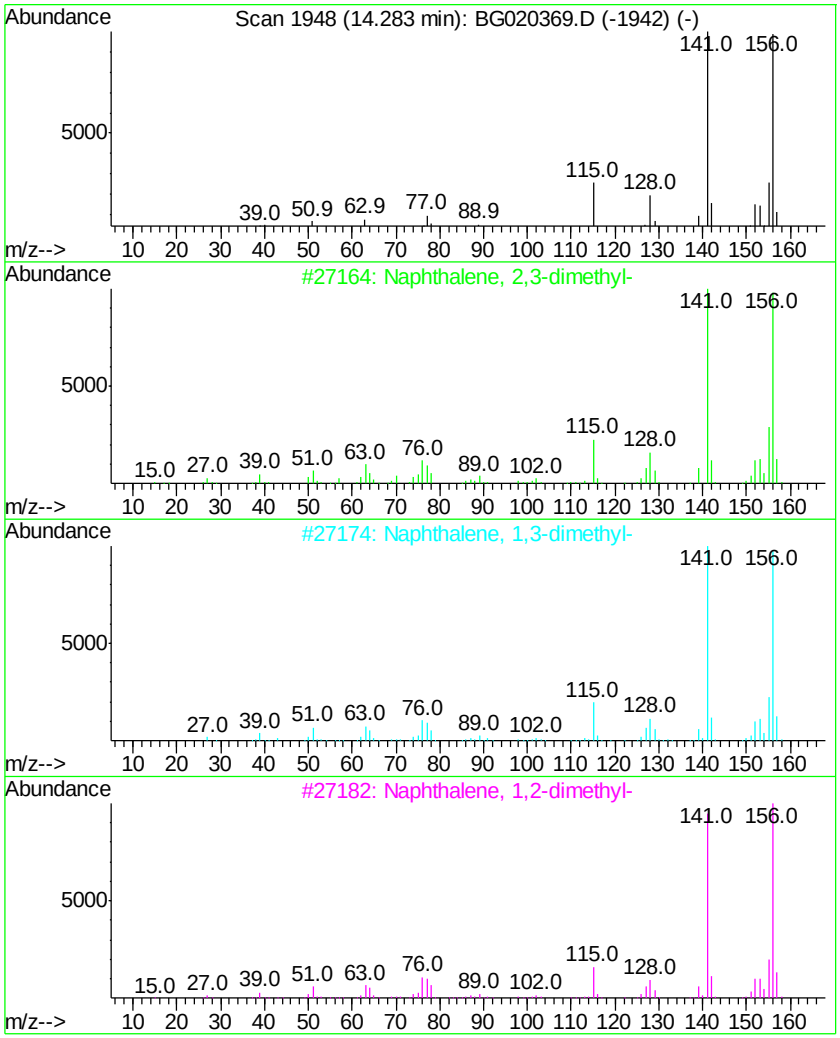
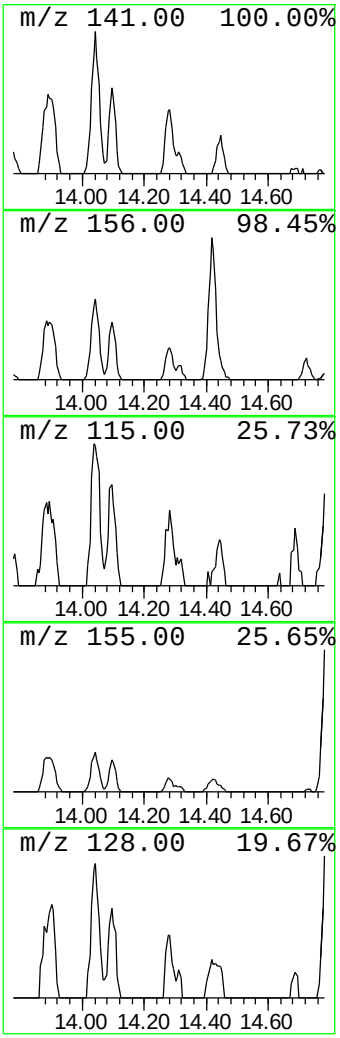
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.09 ng/ul	25534	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Library Search Compound Report

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Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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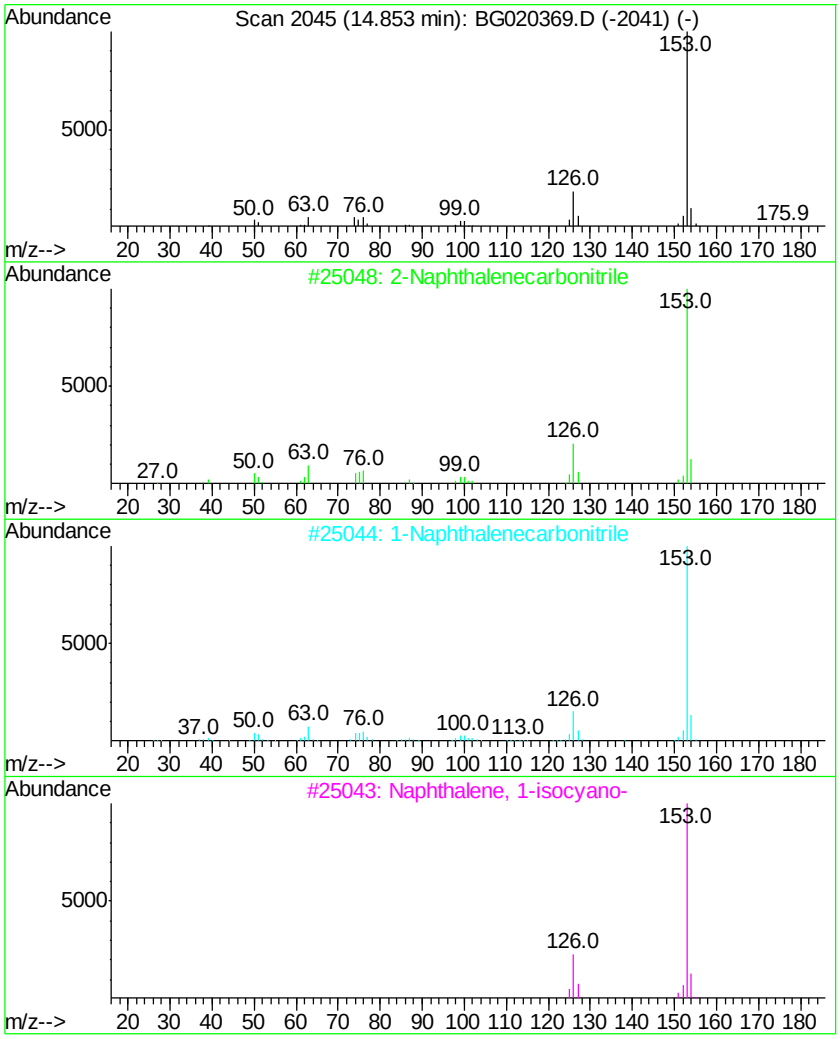
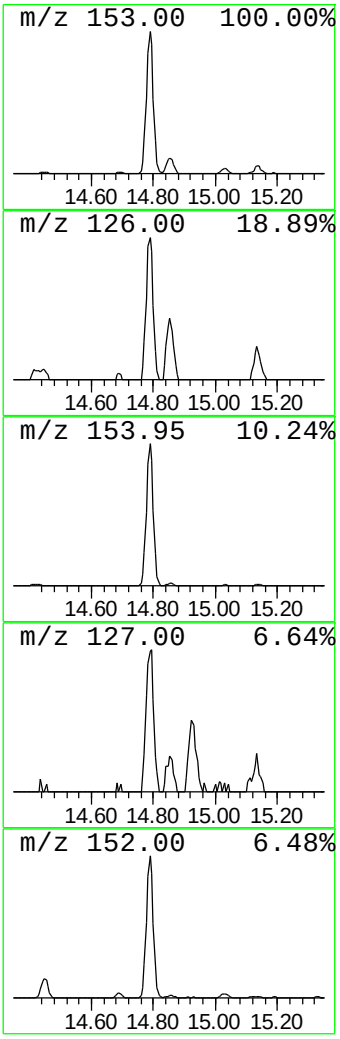
Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.02 ng/ul	36910	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	87





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ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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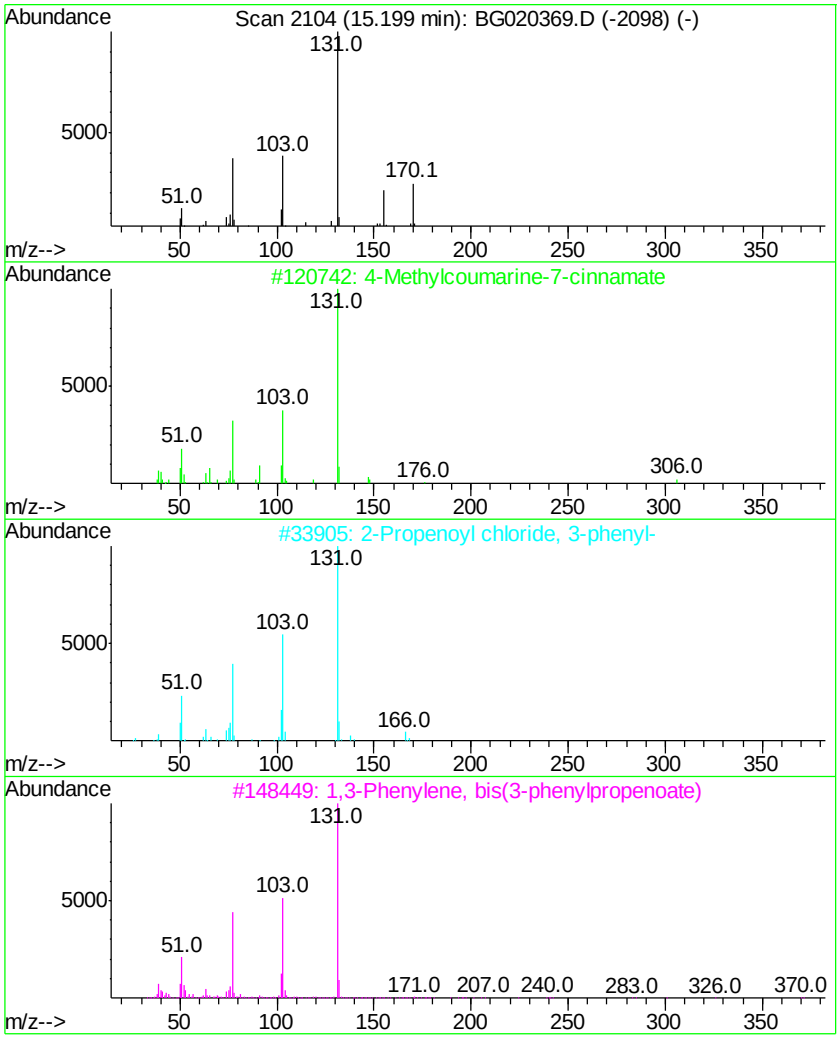
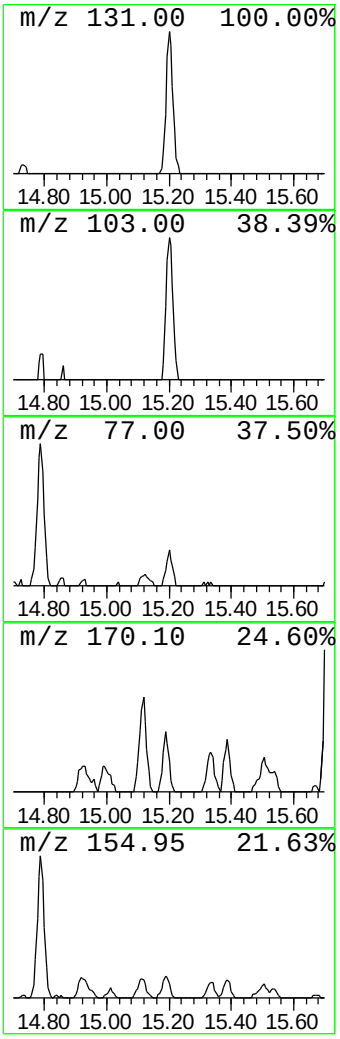
Peak Number 9 4-Methylcoumarine-7-cinnamate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	2.26 ng/ul	27581	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	59
2	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	59
3	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	53
4	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	53
5	1,3-Bis(cinnamoyloxymethyl)adama...	456	C30H32O4	303797-58-2	53





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Quant Title : SVOA CALIBRATION

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

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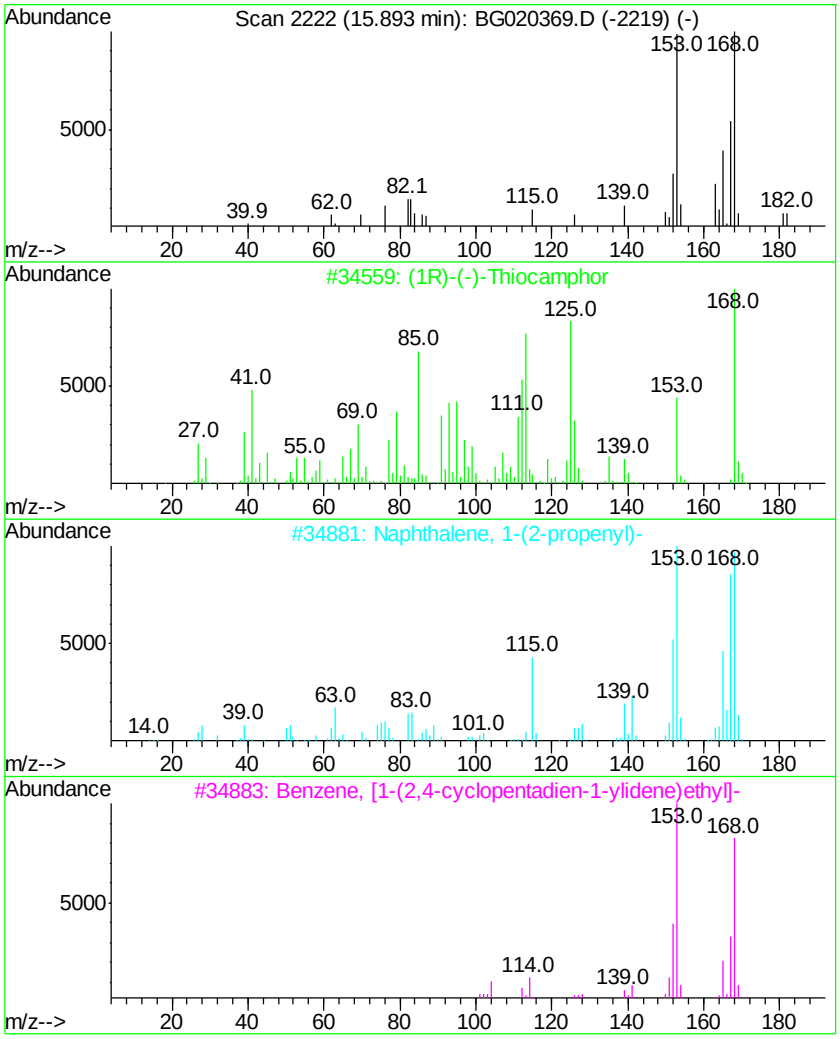
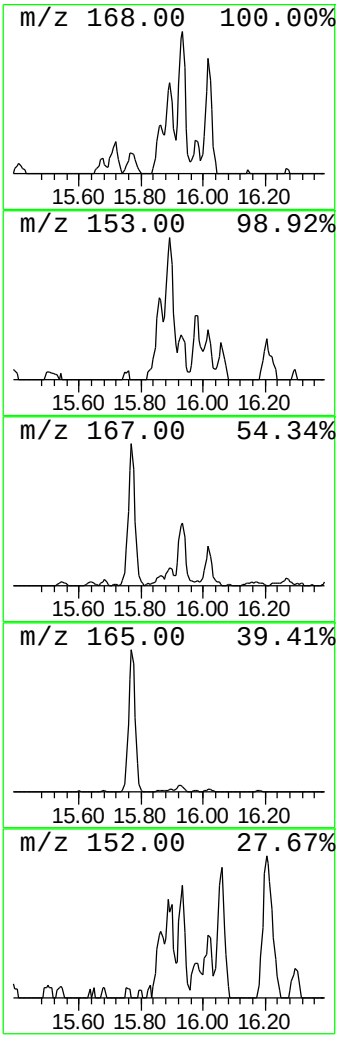
Peak Number 10 unknown15.89 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.68 ng/ul	32805	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	45
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	42
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	38
5	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	38





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Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

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

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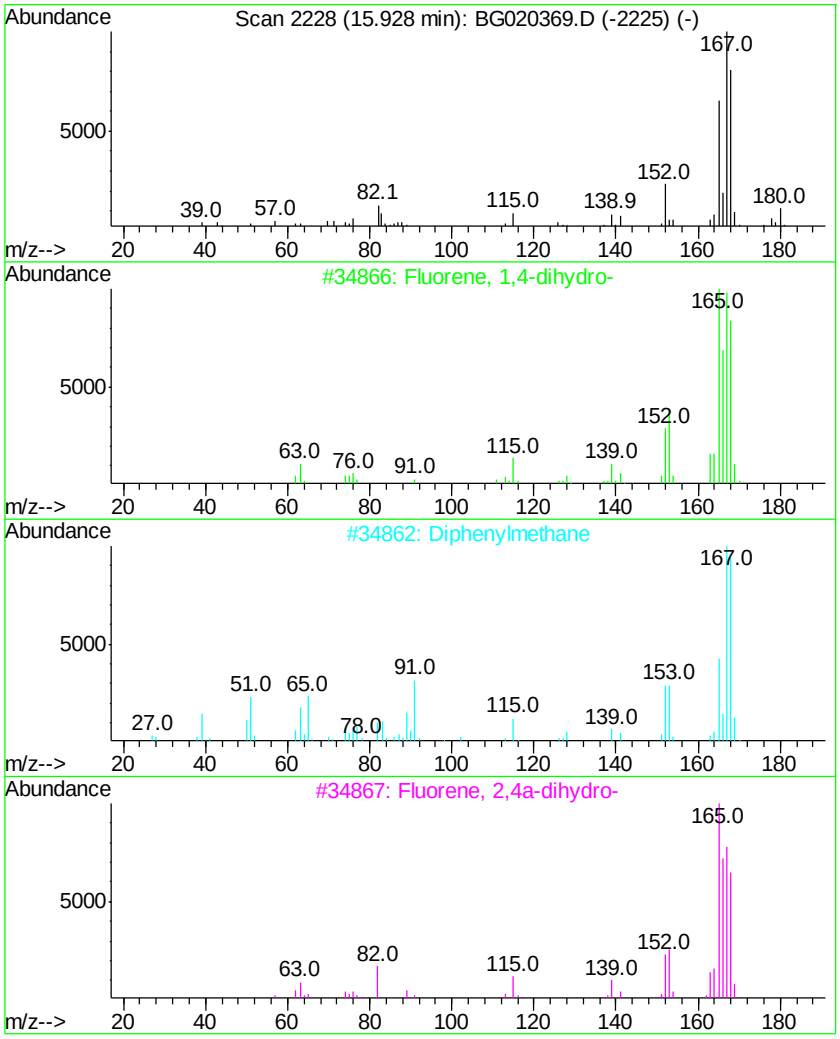
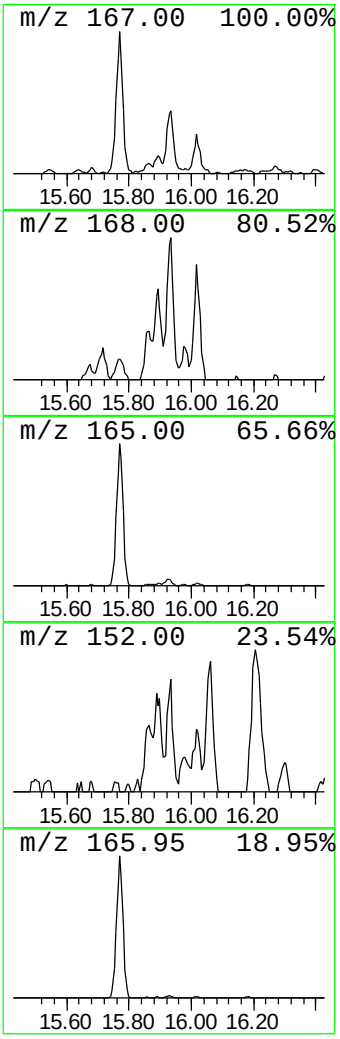
Peak Number 11 Fluorene, 1,4-dihydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.84 ng/ul	71345	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	86
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	52
4	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	52
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49





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Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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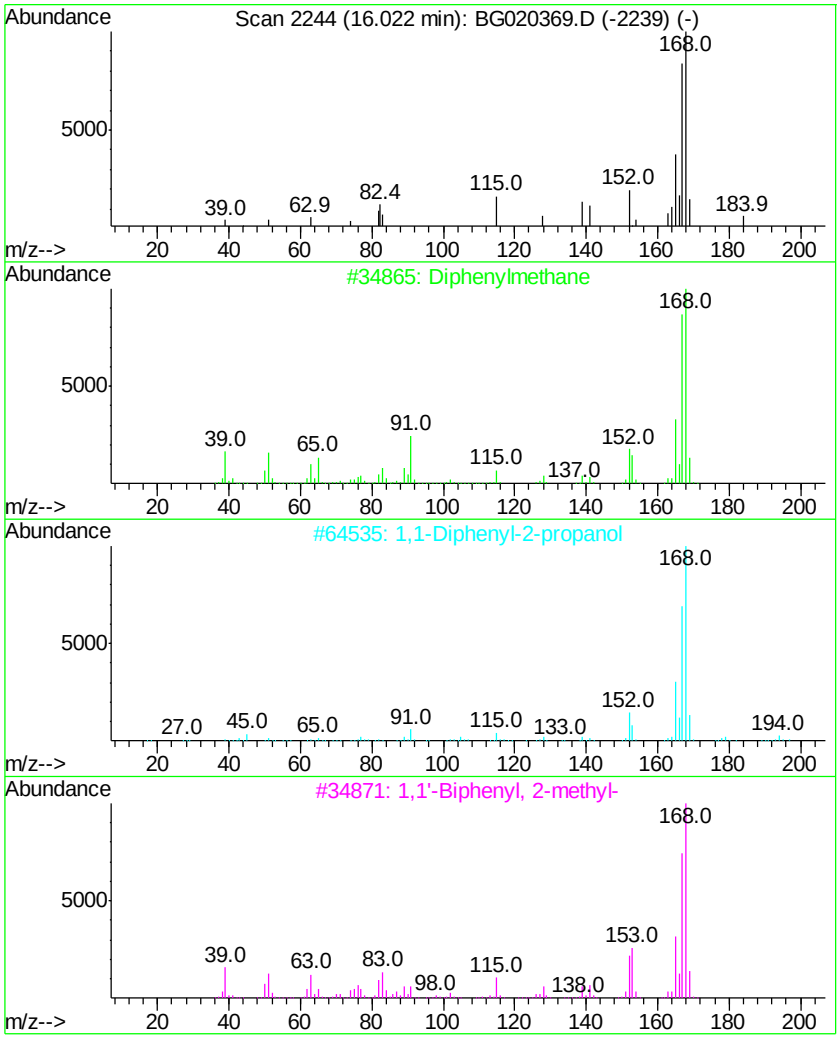
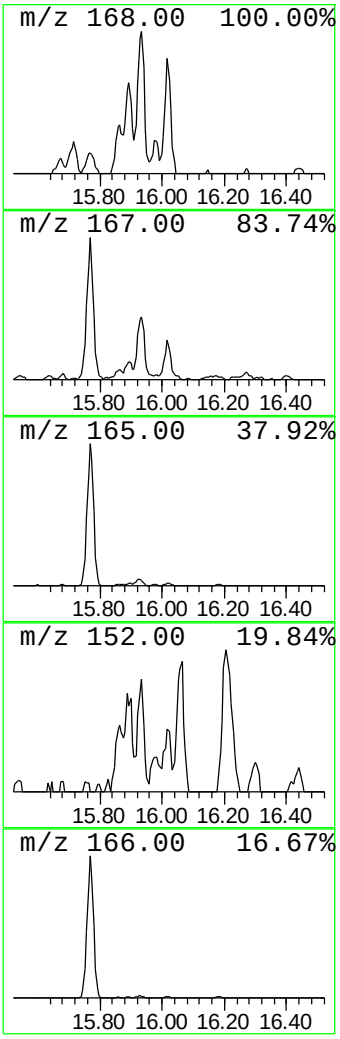
Peak Number 12 Diphenylmethane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	2.43 ng/ul	29742	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	80
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	78
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
4	Diphenylmethane	168	C13H12	000101-81-5	74
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74





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Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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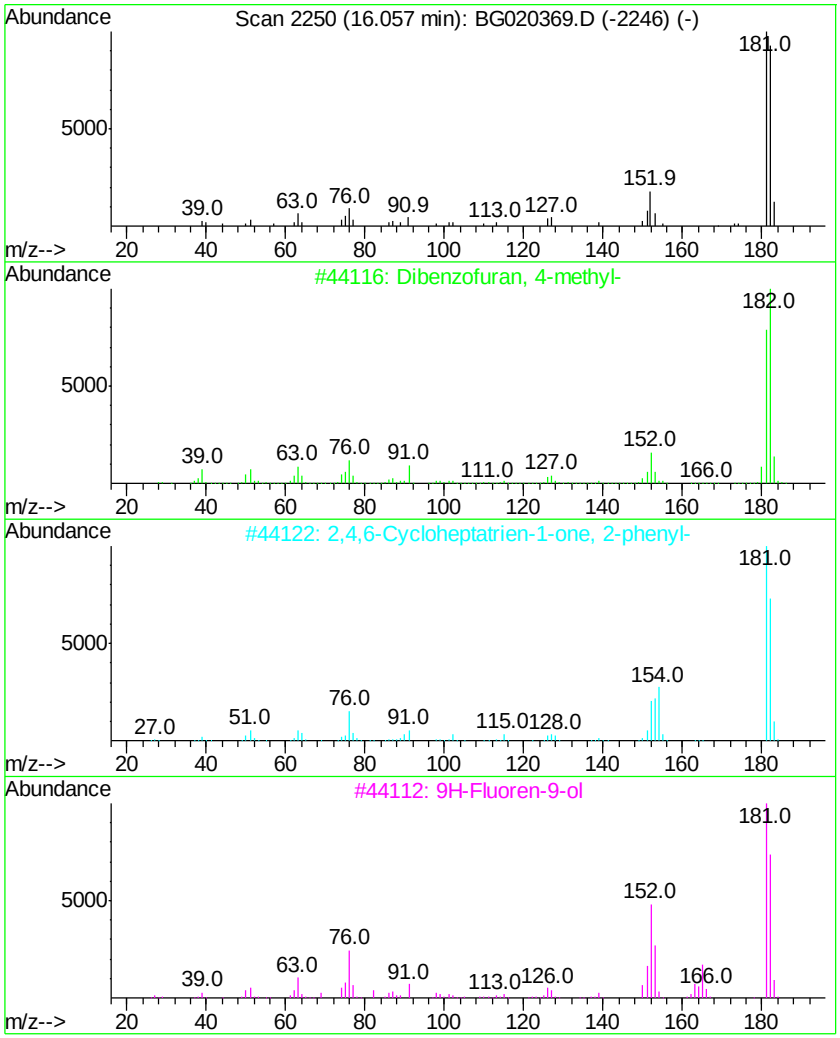
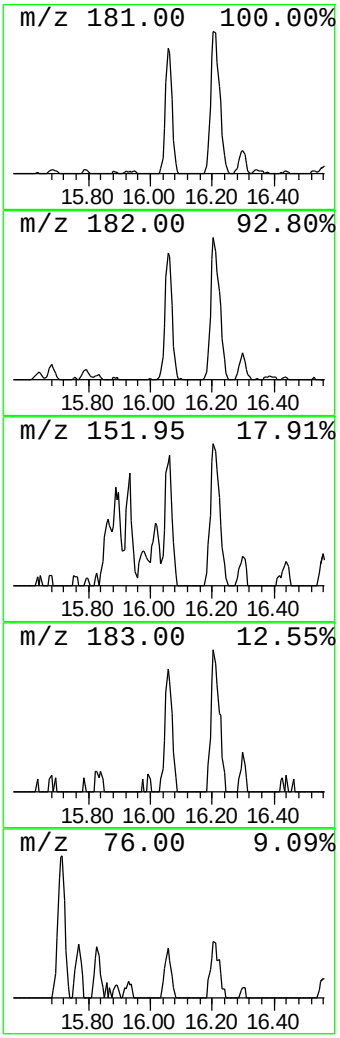
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	5.04 ng/ul	61558	Acenaphthene-d10	14.72

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	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78





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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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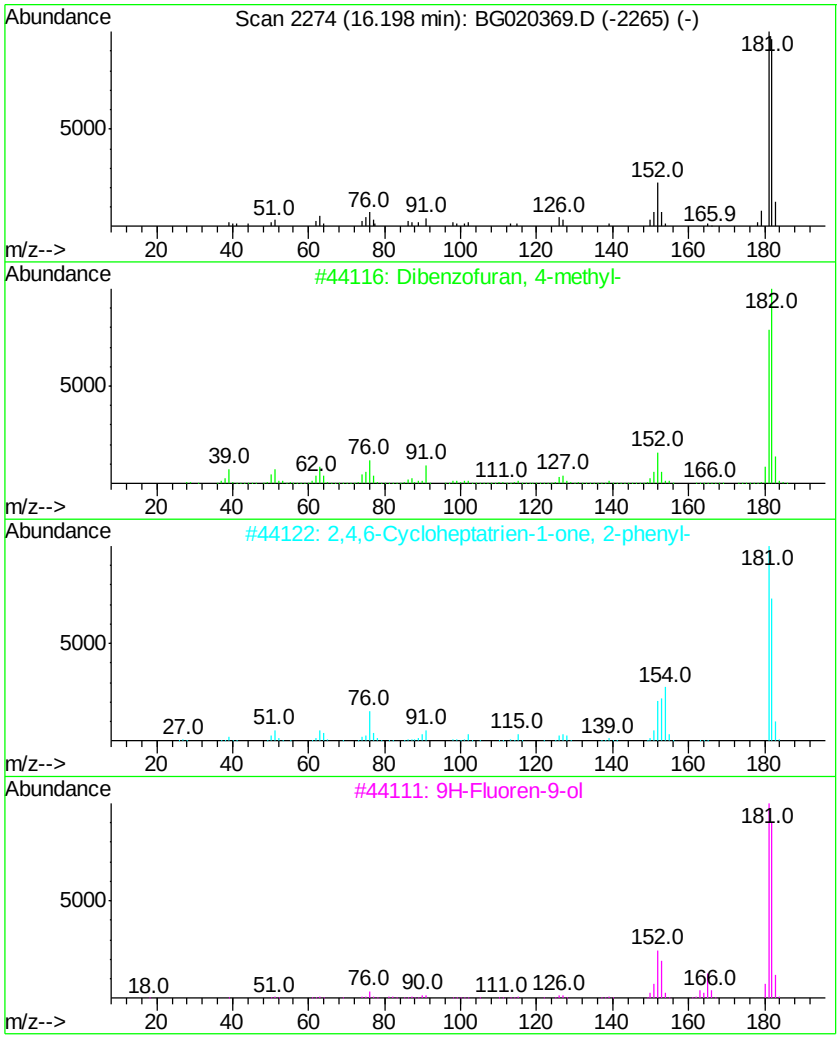
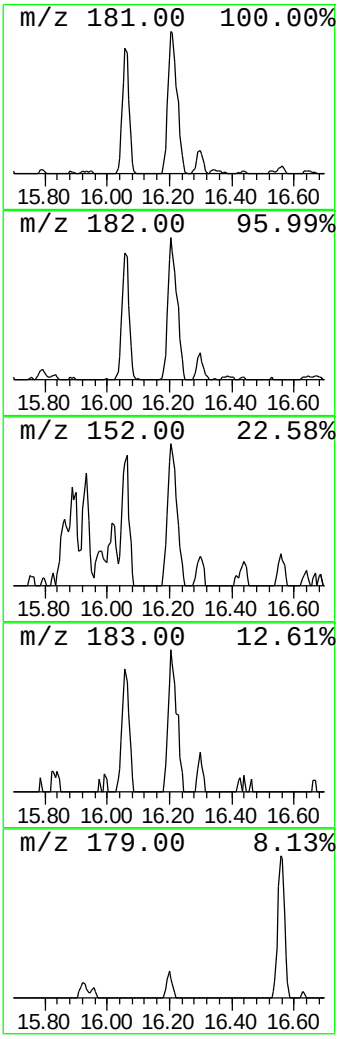
Peak Number 14 2,4,6-Cycloheptatrien-1-one... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	6.24 ng/ul	98846	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	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Quant Title : SVOA CALIBRATION

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

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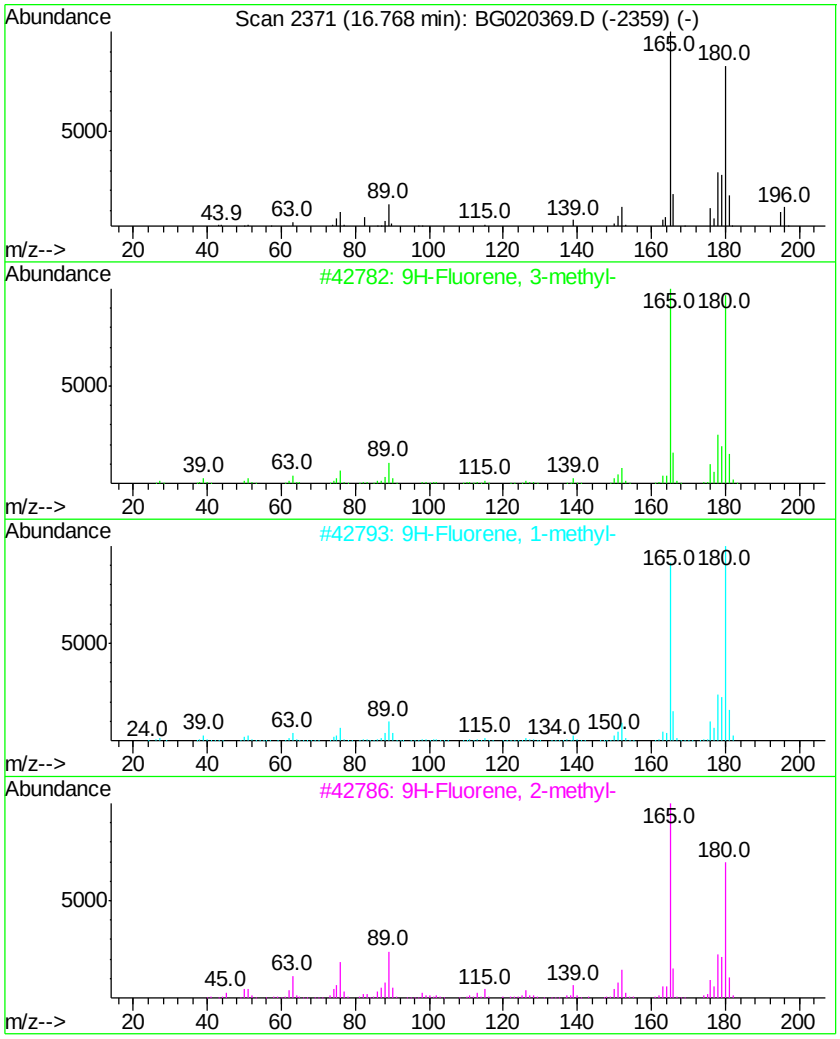
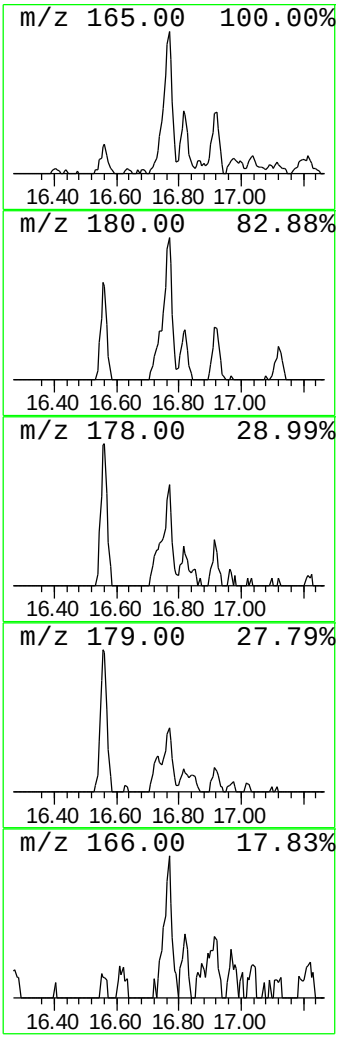
Peak Number 15 9H-Fluorene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.96 ng/ul	78595	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





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Quant Title : SVOA CALIBRATION

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

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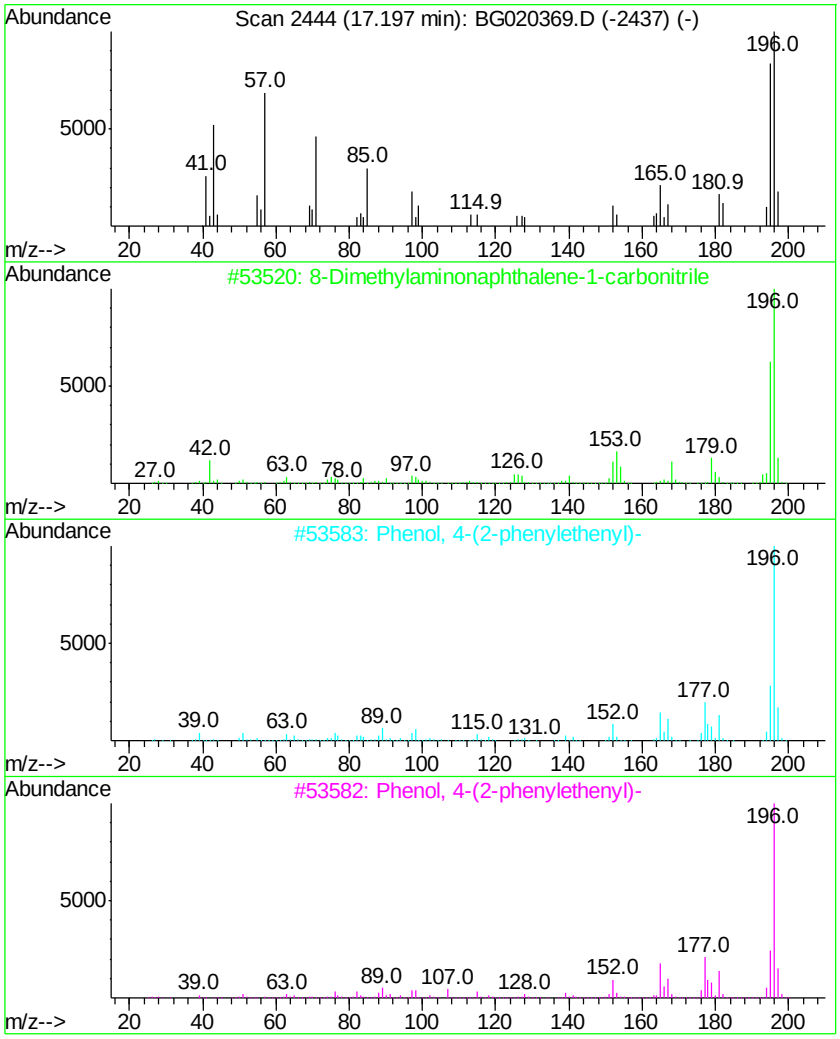
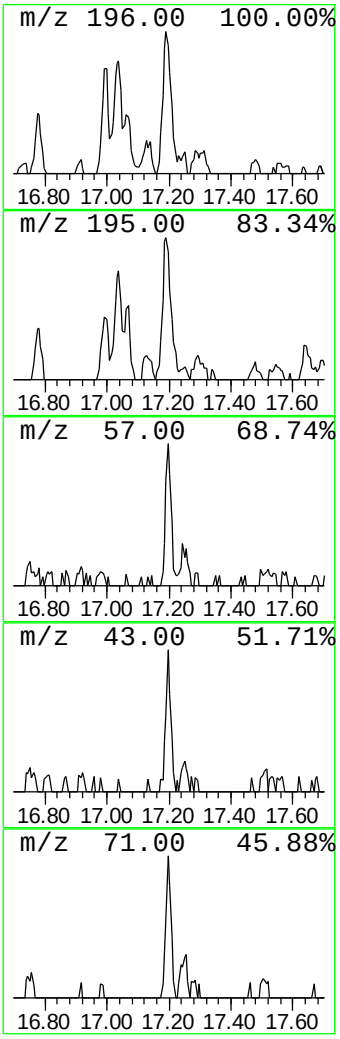
Peak Number 16 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.13 ng/ul	49568	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	53
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	45
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43





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Quant Title : SVOA CALIBRATION

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

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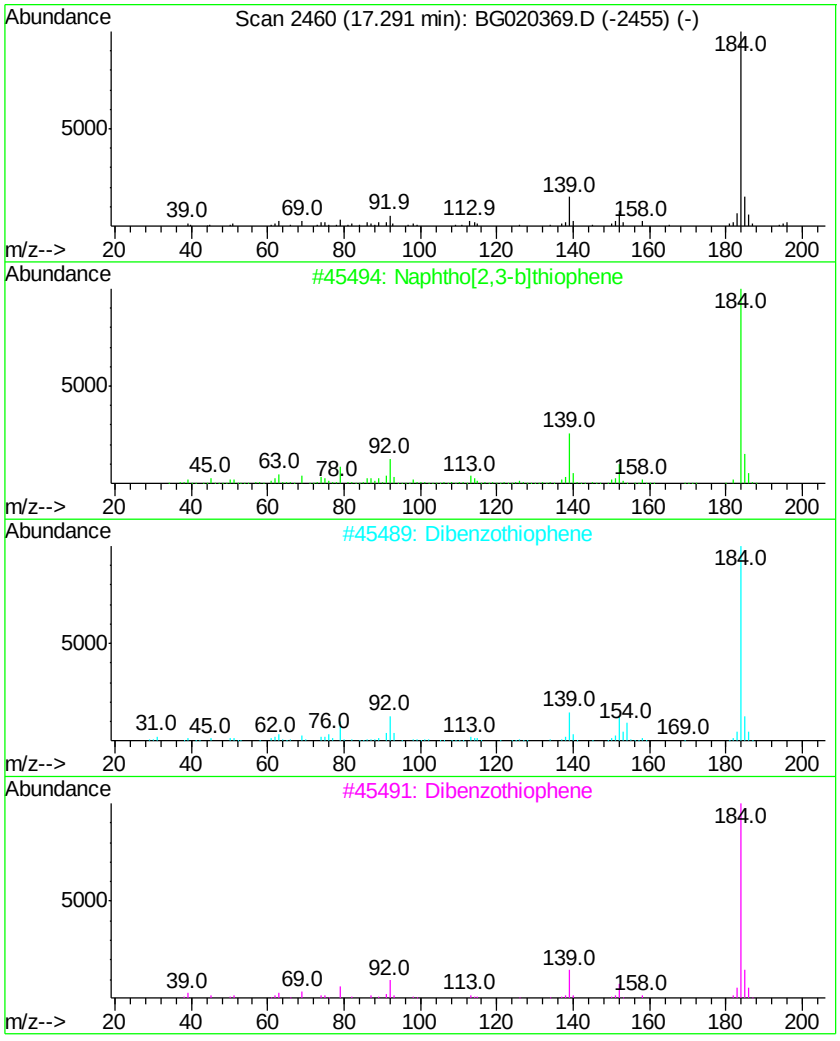
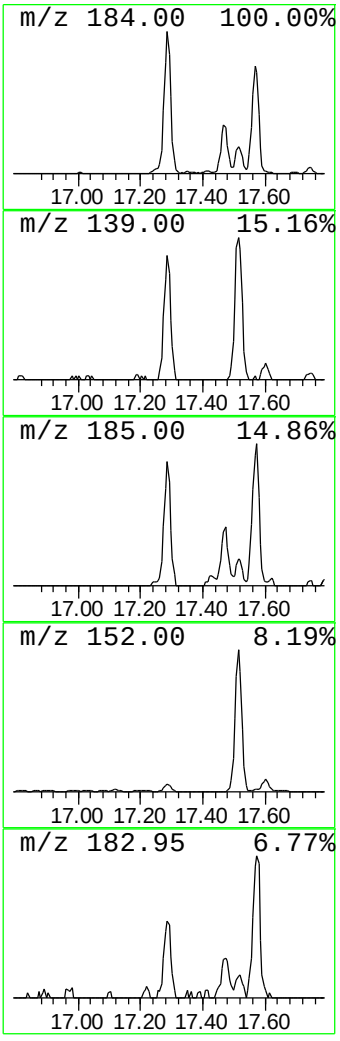
Peak Number 17 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	7.33 ng/ul	116148	Phenanthrene-d10	17.47

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	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Quant Title : SVOA CALIBRATION

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

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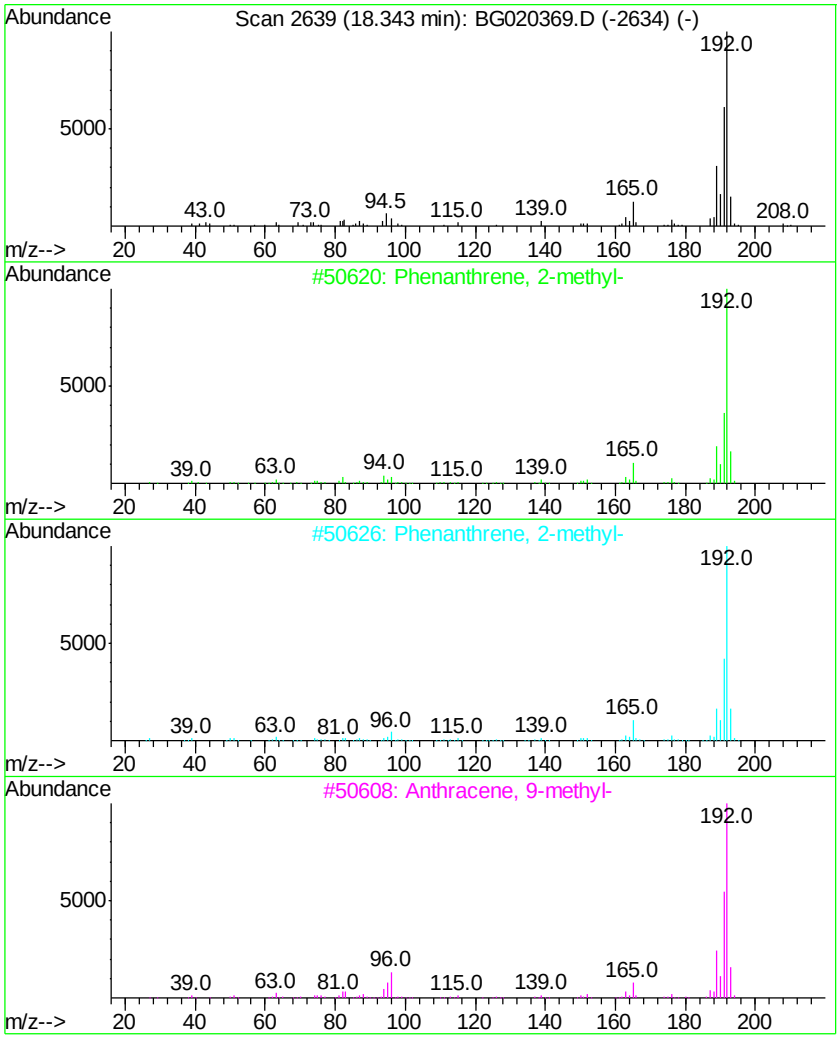
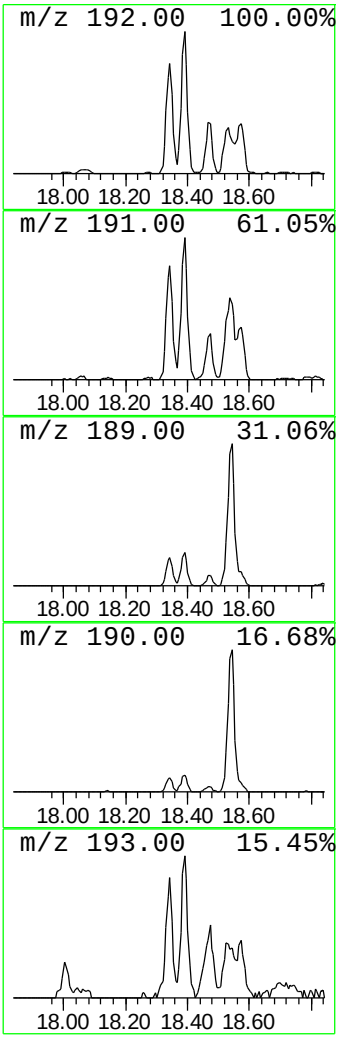
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	6.04 ng/ul	95615	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

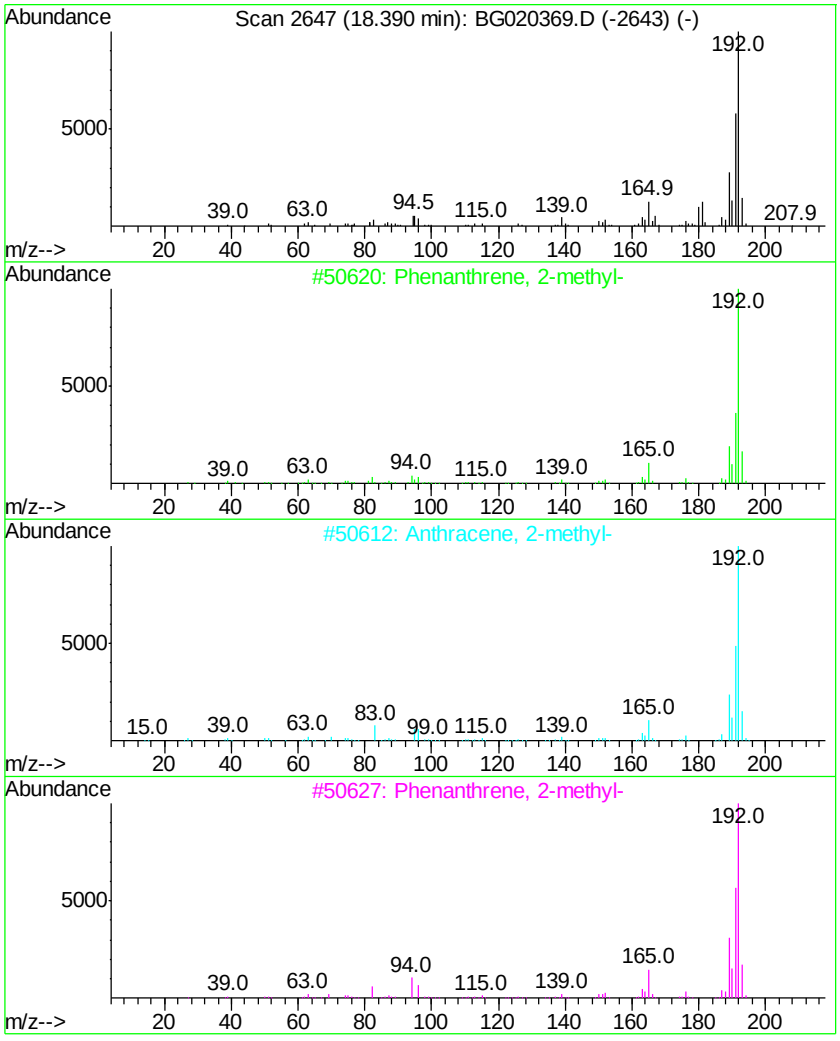
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

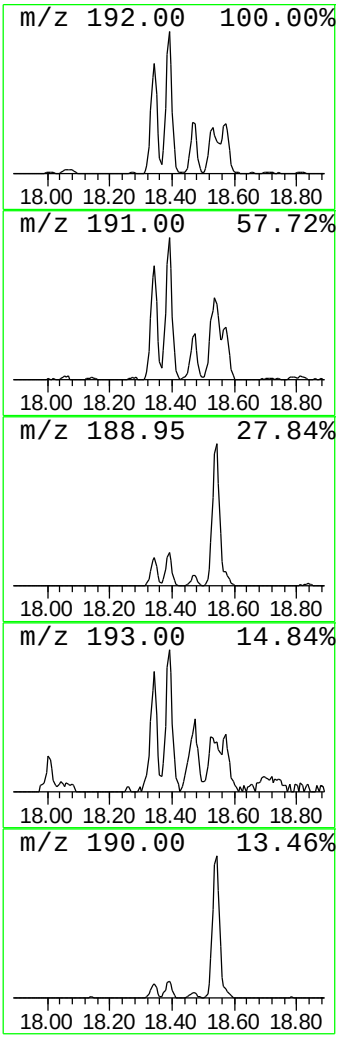
****

Peak Number 19 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	9.50 ng/ul	150448	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

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

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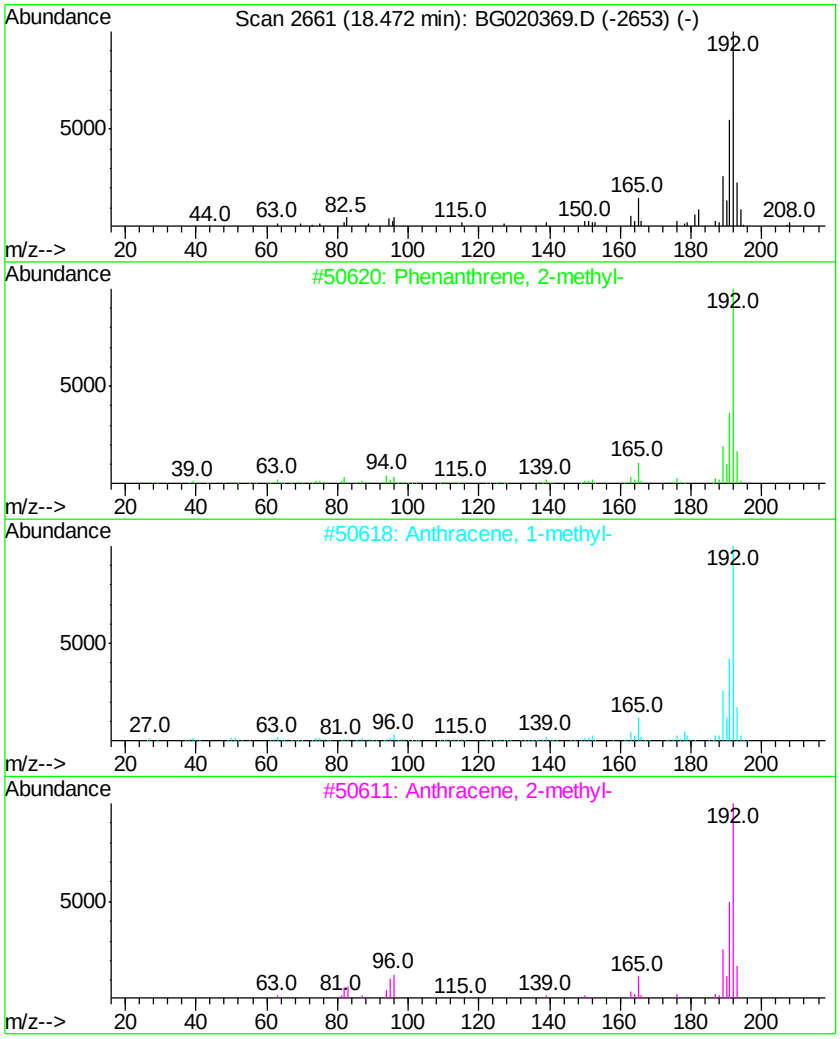
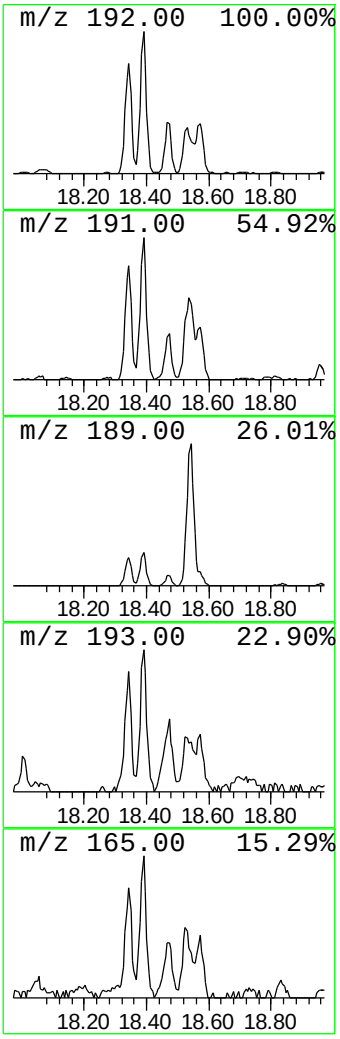
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.66 ng/ul	58030	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





Library Search Compound Report

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Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

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

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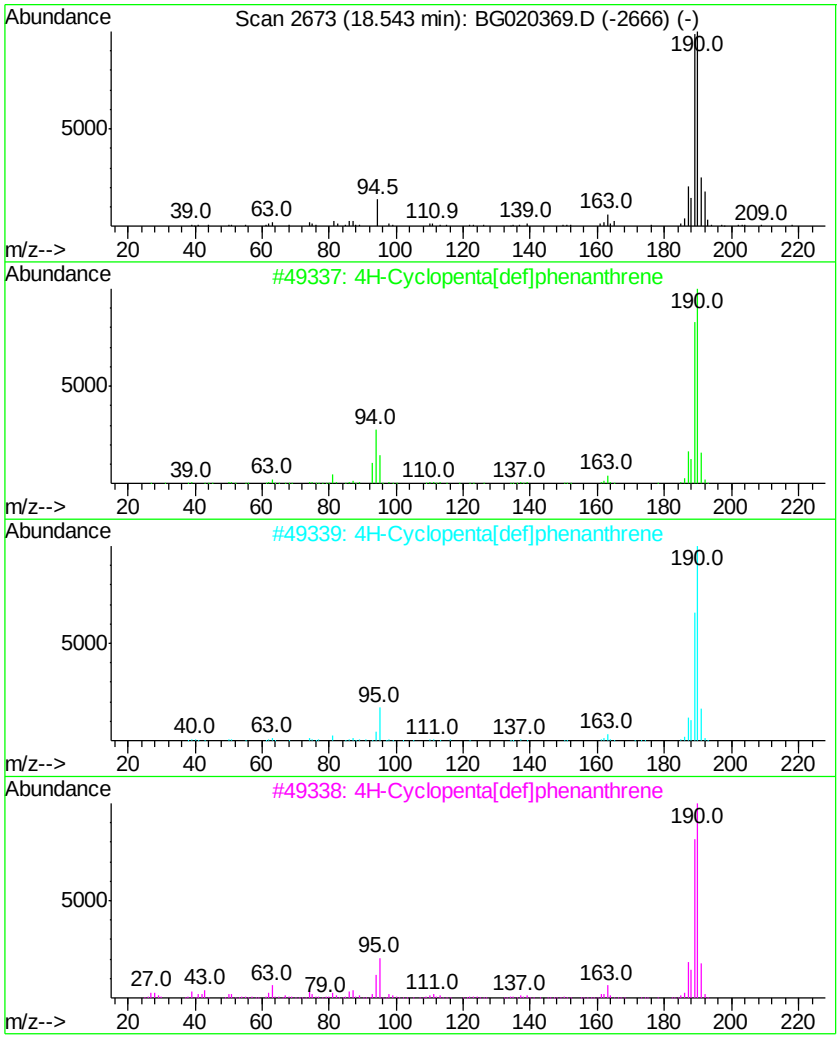
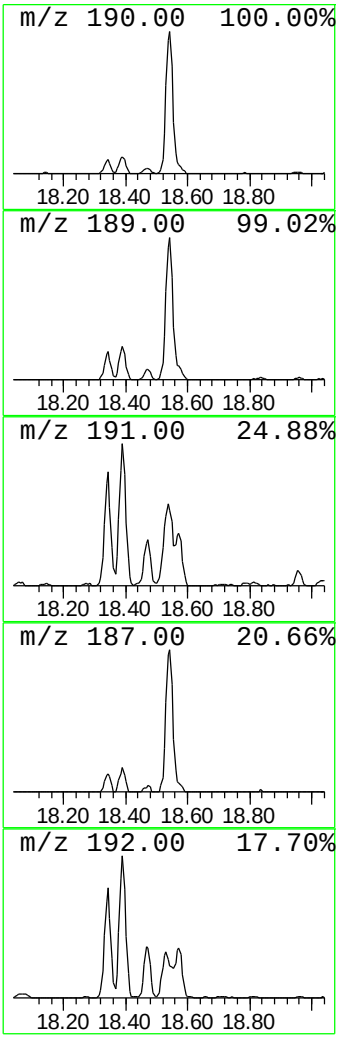
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	14.23 ng/ul	225412	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53





Library Search Compound Report

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Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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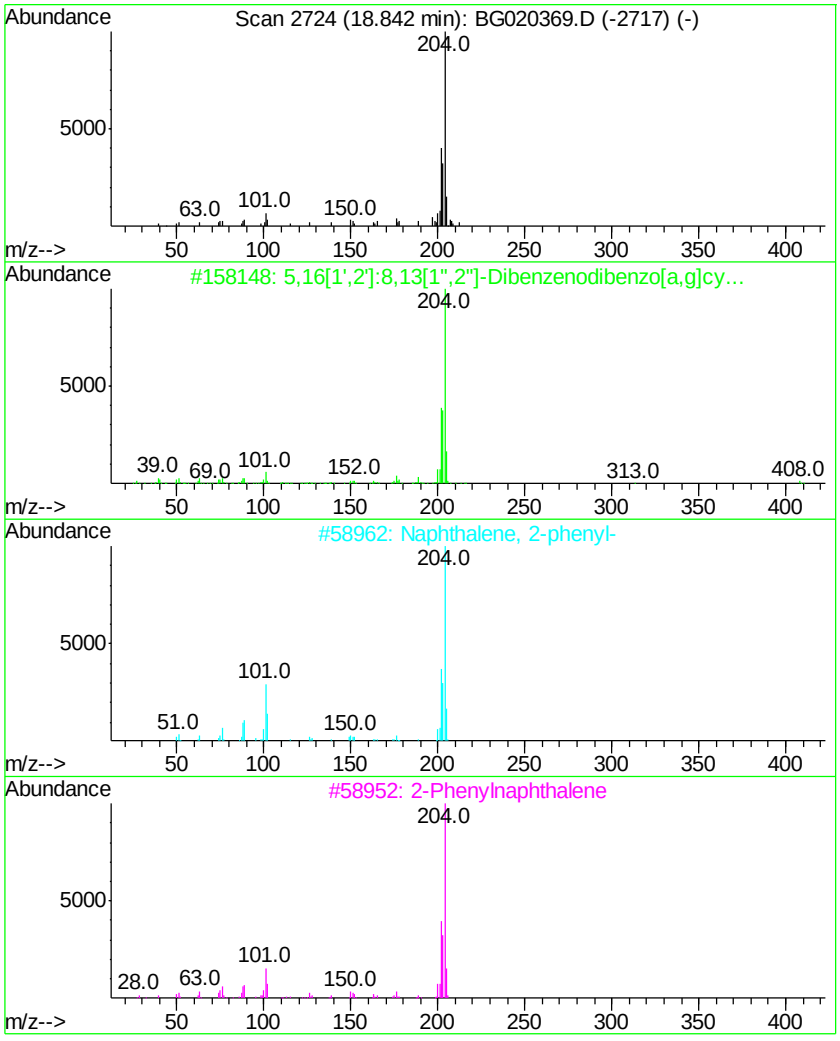
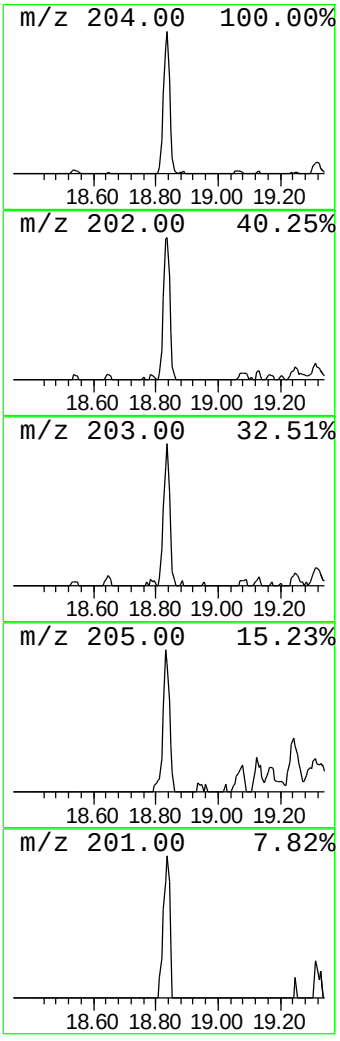
Peak Number 22 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	5.26 ng/ul	83278	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76





Library Search Compound Report

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Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

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

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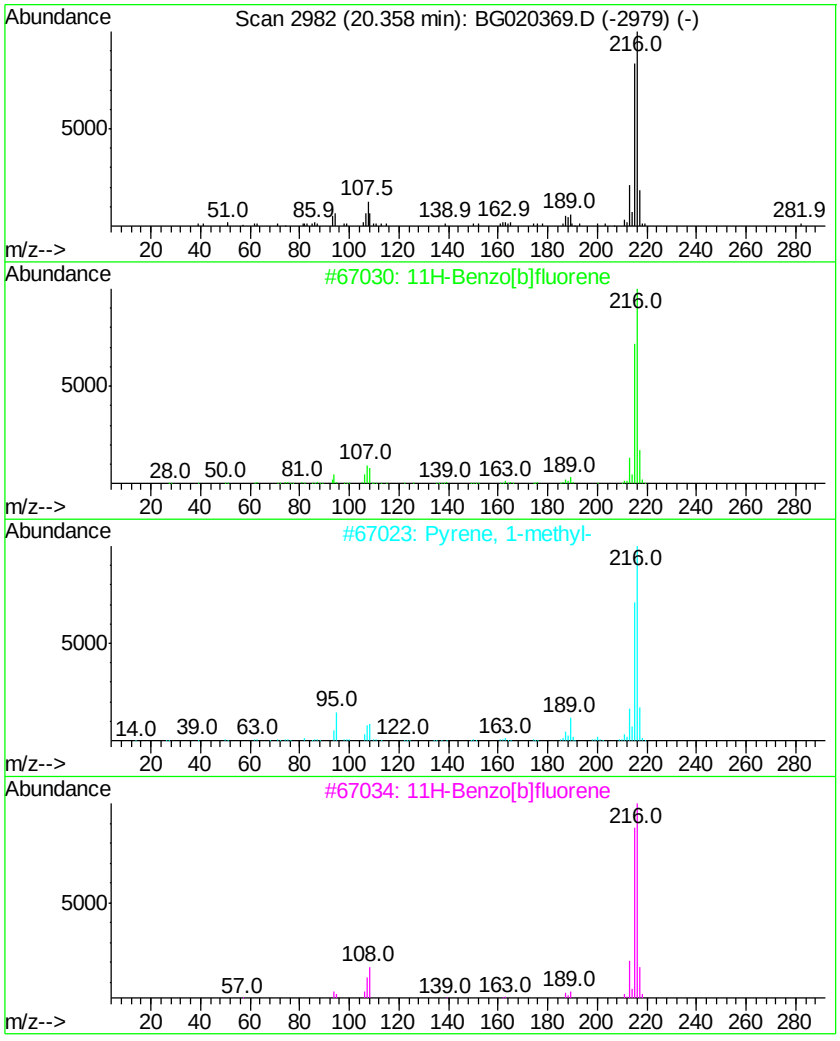
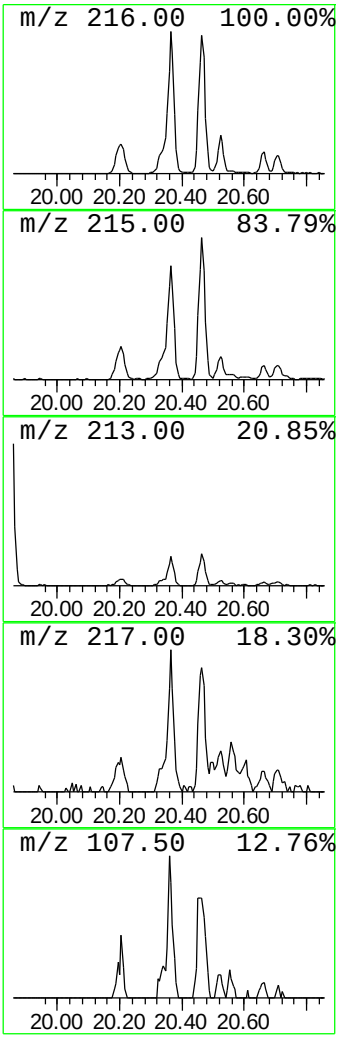
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	3.31 ng/ul	106419	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

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

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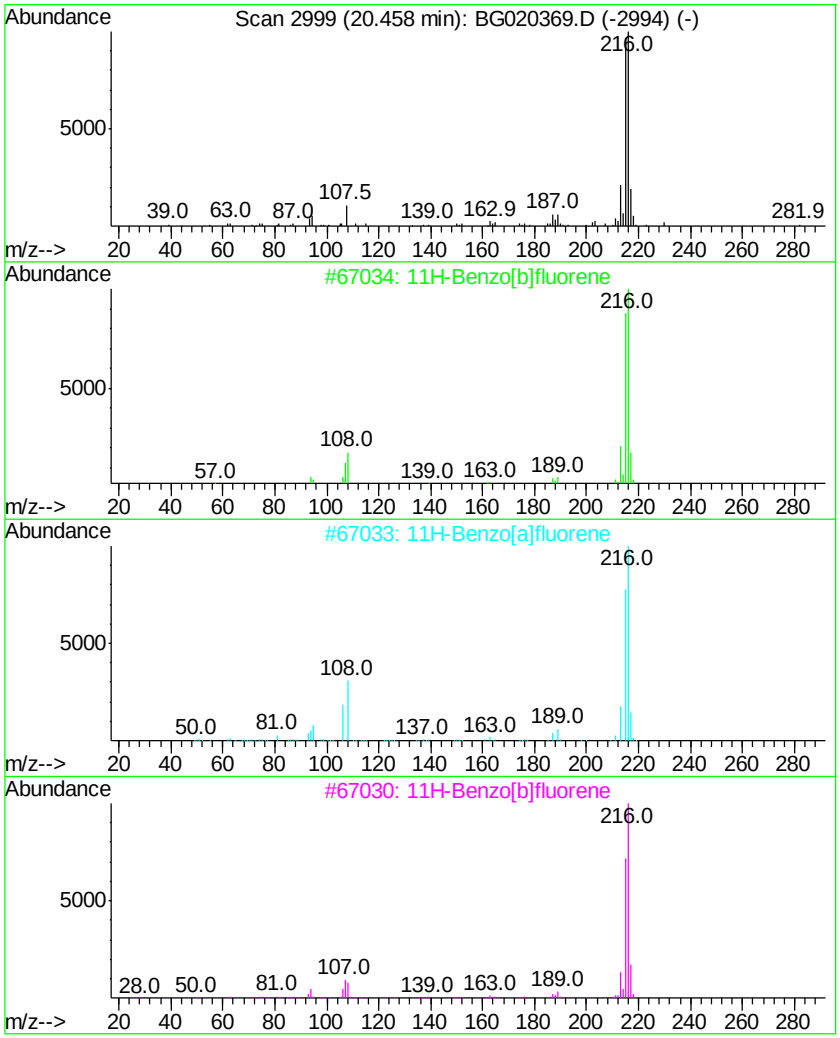
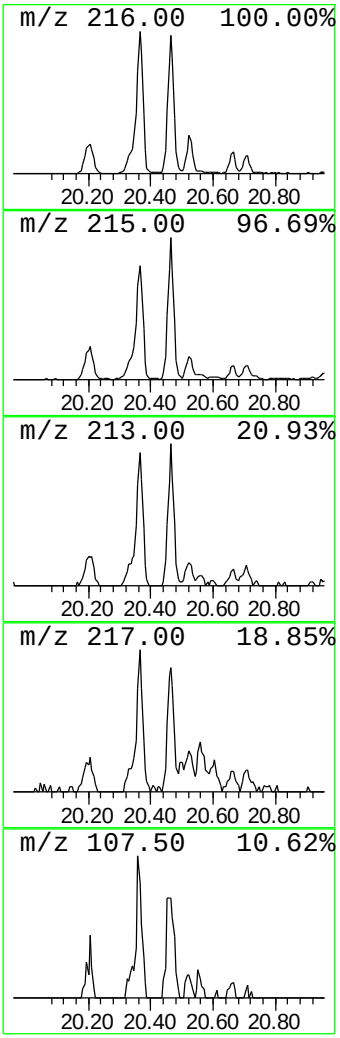
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	3.70 ng/ul	119141	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122015\
Data File : BG020369.D
Acq On : 21 Dec 2015 8:21
Operator : UM/SJ
Sample : G4848-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.19	3.9	ng/ul	20109	1	8.09	103981	20.0
Indene	8.63	5.0	ng/ul	25731	1	8.09	103981	20.0
Naphthalene, 1-et...	13.75	2.6	ng/ul	32366	3	14.72	244359	20.0
Naphthalene, 2,7-...	13.90	5.3	ng/ul	64680	3	14.72	244359	20.0
Naphthalene, 1,6-...	14.04	5.4	ng/ul	66427	3	14.72	244359	20.0
Naphthalene, 2,3-...	14.28	2.1	ng/ul	25534	3	14.72	244359	20.0
2-Naphthalenecarb...	14.85	3.0	ng/ul	36910	3	14.72	244359	20.0
4-Methylcoumarine...	15.20	2.3	ng/ul	27581	3	14.72	244359	20.0
unknown15.89	15.89	2.7	ng/ul	32805	3	14.72	244359	20.0
Fluorene, 1,4-dih...	15.93	5.8	ng/ul	71345	3	14.72	244359	20.0
Diphenylmethane	16.02	2.4	ng/ul	29742	3	14.72	244359	20.0
Dibenzofuran, 4-m...	16.06	5.0	ng/ul	61558	3	14.72	244359	20.0
2,4,6-Cycloheptat...	16.20	6.2	ng/ul	98846	4	17.47	316844	20.0
9H-Fluorene, 3-me...	16.77	5.0	ng/ul	78595	4	17.47	316844	20.0
8-Dimethylaminona...	17.20	3.1	ng/ul	49568	4	17.47	316844	20.0
Naphtho[2,3-b]thi...	17.29	7.3	ng/ul	116148	4	17.47	316844	20.0
Phenanthrene, 2-m...	18.34	6.0	ng/ul	95615	4	17.47	316844	20.0
Anthracene, 2-met...	18.39	9.5	ng/ul	150448	4	17.47	316844	20.0
Anthracene, 1-met...	18.47	3.7	ng/ul	58030	4	17.47	316844	20.0
4H-Cyclopenta[def...	18.54	14.2	ng/ul	225412	4	17.47	316844	20.0
5,16[1',2']:8,13[...	18.84	5.3	ng/ul	83278	4	17.47	316844	20.0
11H-Benzo[b]fluorene	20.36	3.3	ng/ul	106419	5	21.74	643974	20.0
Pyrene, 1-methyl-	20.46	3.7	ng/ul	119141	5	21.74	643974	20.0