LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

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\SOM01.2-EPA-BG112514.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	2.934	36	42	51	rBV3	157020	316157	0.22%	0.090%
2	3.011	51	55	60	rVV2	212089	262618	0.18%	0.075%
3	7.770	855	865	872	rBV	550340	916881	0.63%	0.261%
4	10.555	1330	1339	1344	rBV	753496	1286176	0.88%	0.366%
5	10.608	1344	1348	1356	rVB	257283	450087	0.31%	0.128%
6	12.218	1615	1622	1629	rVB	809844	1268963	0.87%	0.361%
7	12.294	1629	1635	1643	rBV	164544	278766	0.19%	0.079%
8	12.441	1654	1660	1666	rBV	511229	832490	0.57%	0.237%
9	13.316	1804	1809	1819	rBV5	113204	221688	0.15%	0.063%
10	13.434	1819	1829	1838	rBV	144546	354236	0.24%	0.101%
11	13.563	1845	1851	1853	rBV2	253610	437210	0.30%	0.124%
12	13.728	1872	1879	1883	rBV2	496103	861809	0.59%	0.245%
13	13.775	1883	1887	1891	rVV2	278133	403278	0.28%	0.115%
14	13.957	1914	1918	1922	rBV	235054	351633	0.24%	0.100%
15	14.198	1954	1959	1966	rBV	198240	353670	0.24%	0.101%
16	14.403	1985	1994	2000	rBV	1186746	1817854	1.24%	0.517%
17	14.609	2025	2029	2040	rVB5	118161	315842	0.22%	0.090%
18	14.803	2058	2062	2066	rVV3	119243	183667	0.13%	0.052%
19	14.879	2071	2075	2078	rVB4	143411	198913	0.14%	0.057%
20	14.926	2078	2083	2091	rBV	441914	731224	0.50%	0.208%
21	15.020	2096	2099	2104	rVV4	138424	219496	0.15%	0.062%
22	15.396	2159	2163	2167	rVB4	132713	194520	0.13%	0.055%
23	15.667	2205	2209	2215	rVB8	105326	176439	0.12%	0.050%
24	16.031	2267	2271	2274	rBV4	121718	187914	0.13%	0.053%
25	16.142	2283	2290	2295	rBV3	325997	655850	0.45%	0.186%
26	16.289	2312	2315	2321	rVB4	222299	332191	0.23%	0.094%
27	16.801	2398	2402	2407	rBV4	347406	552372	0.38%	0.157%
28	16.971	2427	2431	2439	rVB2	394182	596156	0.41%	0.169%
29	17.147	2457	2461	2466	rBV	1356152	2059039	1.41%	0.585%
30	18.134	2626	2629	2634	rBV6	686806	1006505	0.69%	0.286%
31	18.510	2690	2693	2696	rBV4	714571	1002631	0.69%	0.285%
32	18.998	2771	2776	2779	rBV2	6312961	8553139	5.85%	2.432%
33	19.392	2840	2843	2849	rVB4	3503980	4913642	3.36%	1.397%
34	19.621	2872	2882	2886	rBV	75596412	146192199	100.00%	41.564%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

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\SOM01.2-EPA-BG112514.M
Title : SVOA CALIBRATION

35	19.732	2898	2901	2912	rBV4	6586575	12074868	8.26%	3.433%
36	20.108	2961	2965	2969	rBV	13639538	16757623	11.46%	4.764%
37	20.508	3029	3033	3037	rVB	11337226	14362709	9.82%	4.083%
38	20.567	3039	3043	3048	rVB5	7559030	9851113	6.74%	2.801%
39	20.661	3053	3059	3066	rBV	29435669	43466149	29.73%	12.358%
40	21.236	3154	3157	3160	rBV3	4036316	4610560	3.15%	1.311%
41	21.266	3160	3162	3168	rVB	4036199	4319155	2.95%	1.228%
42	24.797	3757	3763	3775	rVB2	9218567	26965865	18.45%	7.667%
43	25.502	3875	3883	3895	rVB	14443408	40838603	27.93%	11.611%

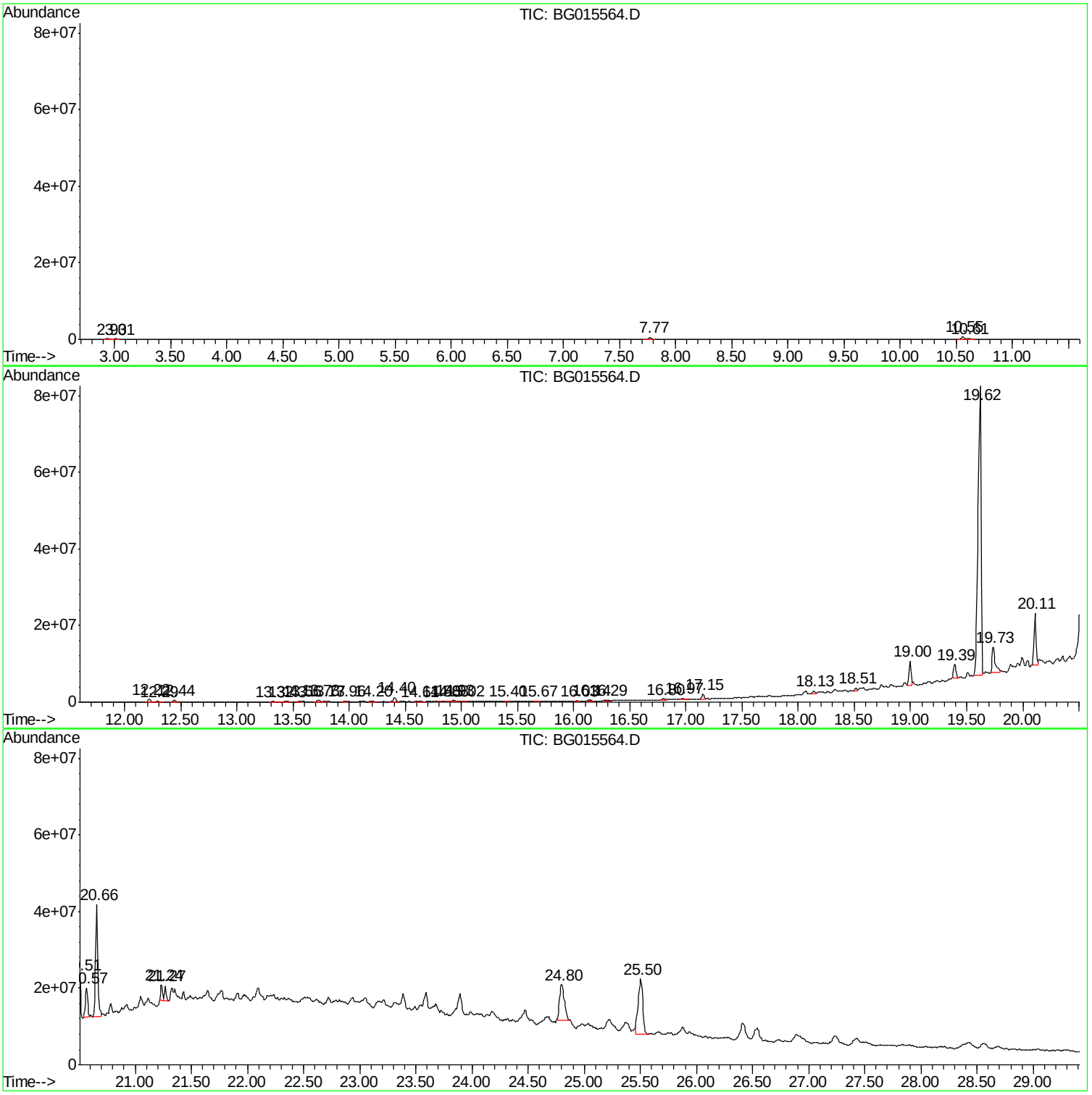
Sum of corrected areas: 351731900

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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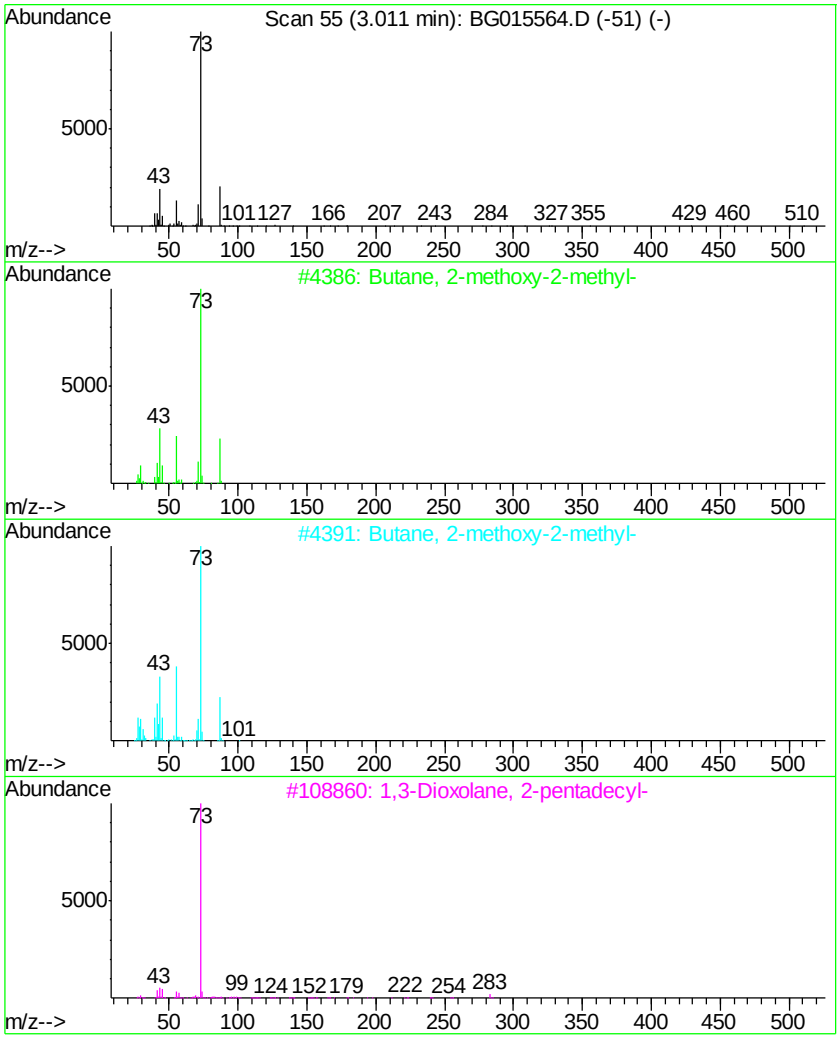
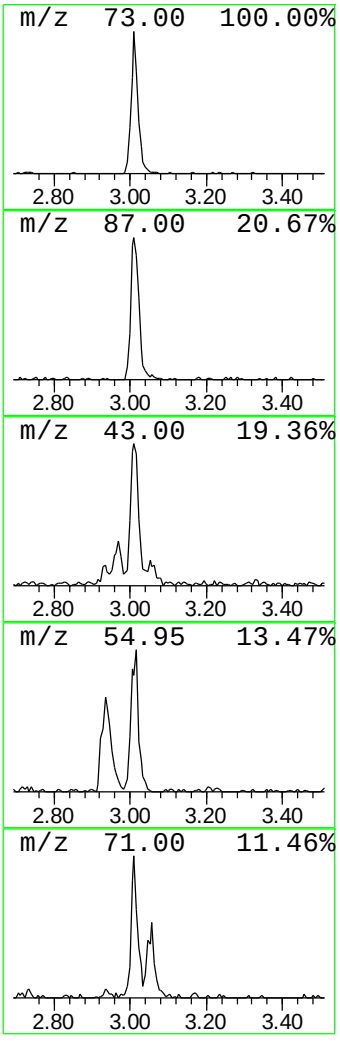
Peak Number 2 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	5.73 ng/ul	262618	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	43
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	39
3	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	35
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





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Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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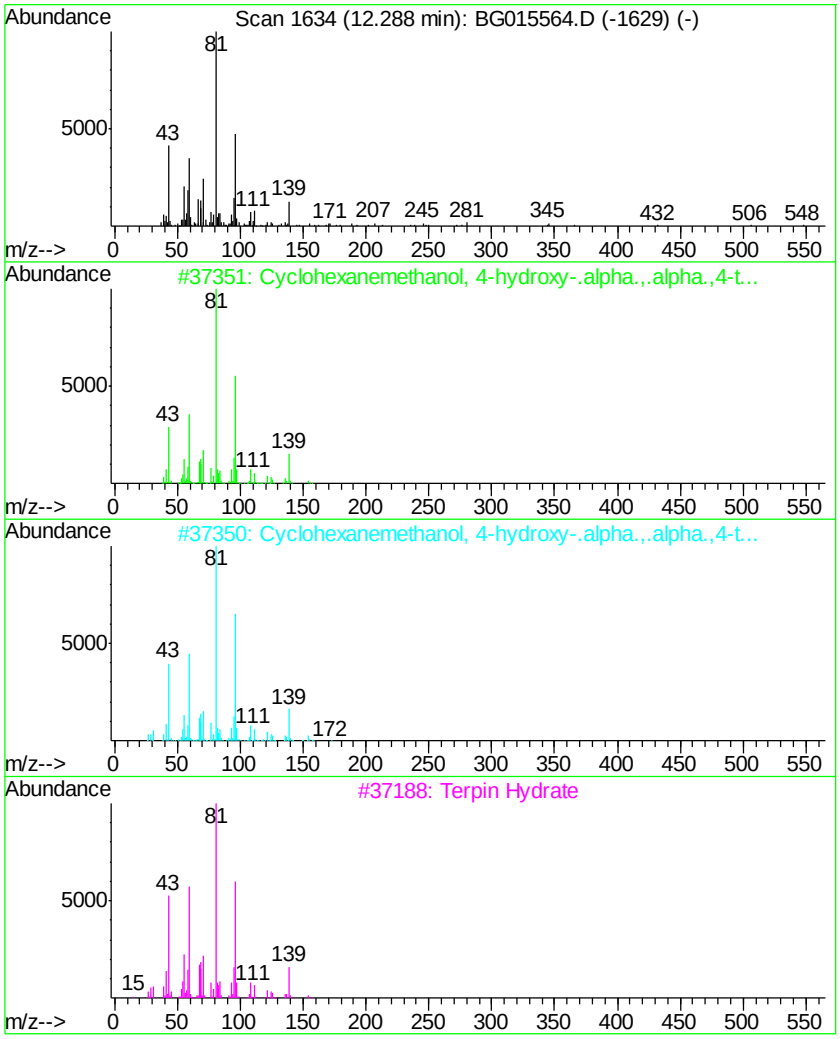
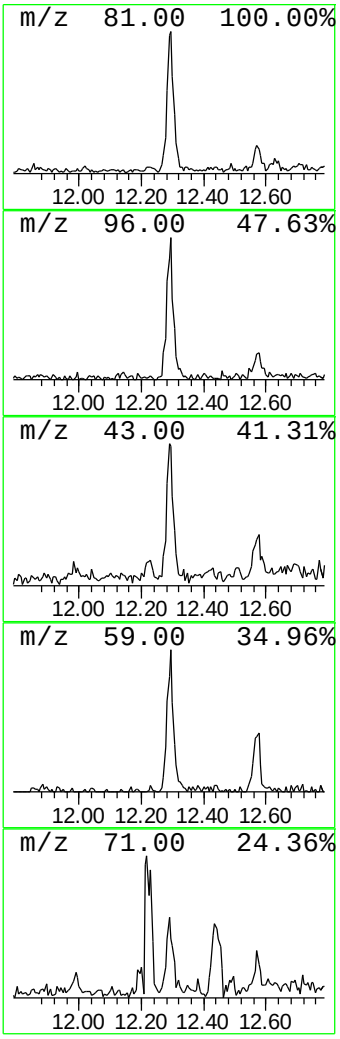
Peak Number 3 Cyclohexanemethanol, 4-hydr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.33 ng/ul	278766	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	80
2	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	78
3	Terpin Hydrate	172	C10H20O2	002451-01-6	72
4	Furan, 2-ethyl-	96	C6H8O	003208-16-0	52
5	4-Methylcyclohexanol acetate	156	C9H16O2	022597-23-5	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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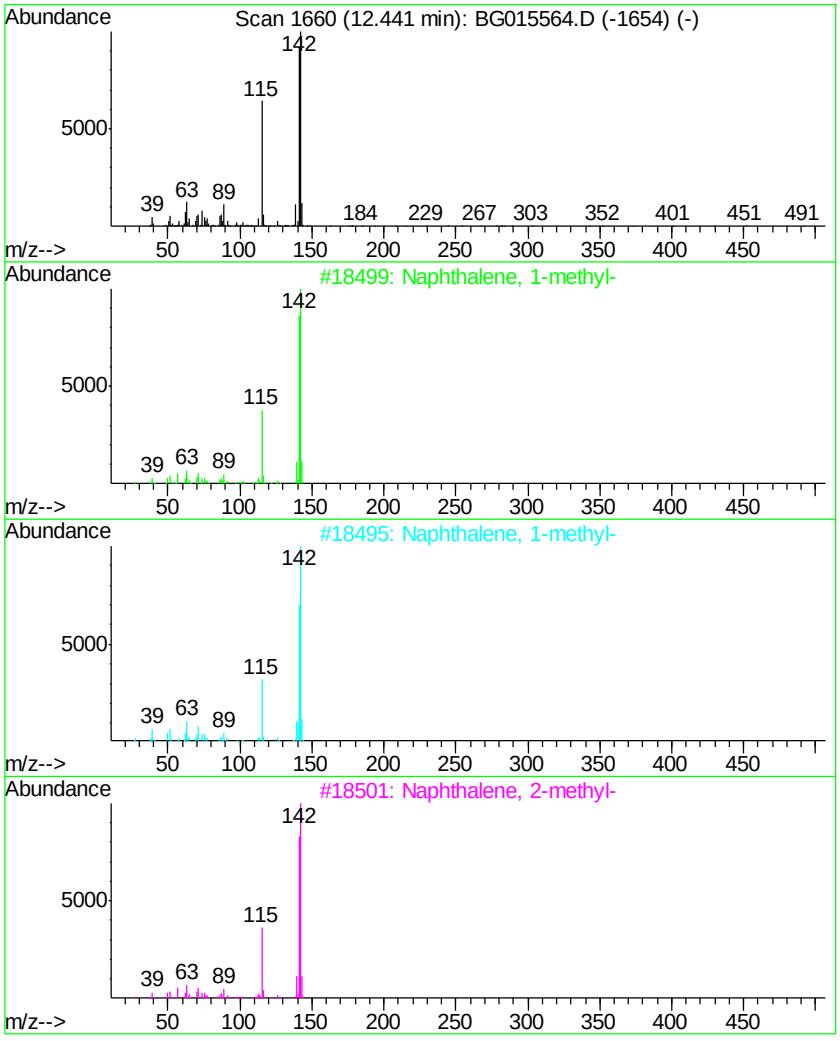
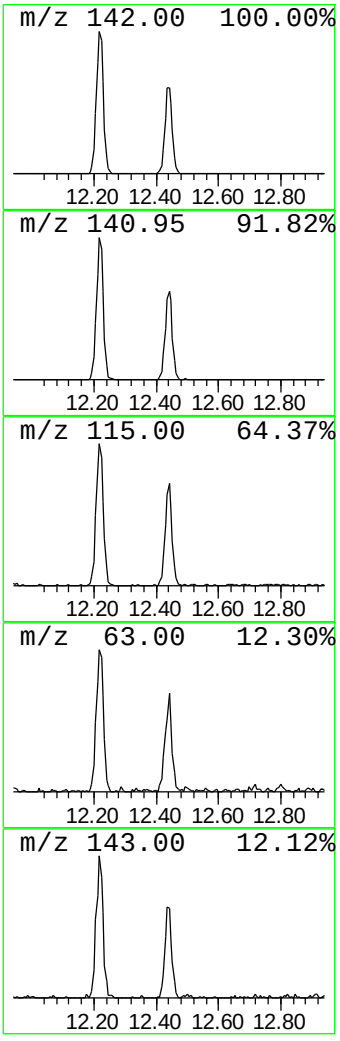
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	12.95 ng/ul	832490	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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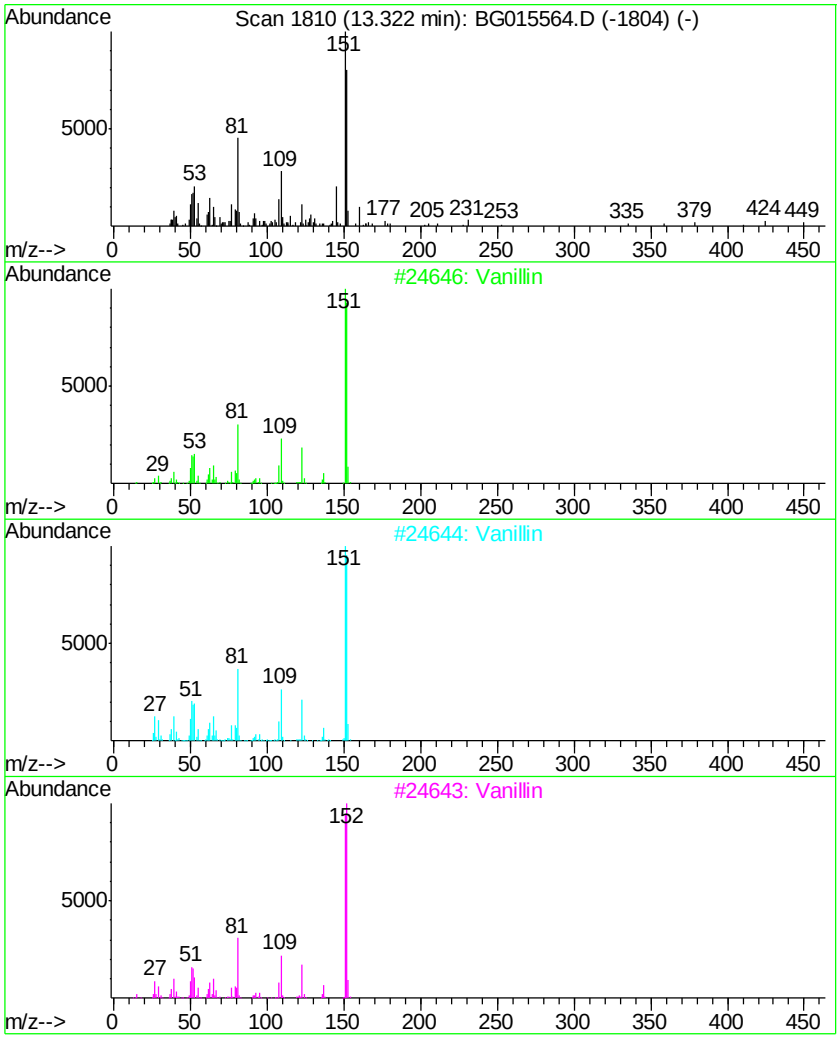
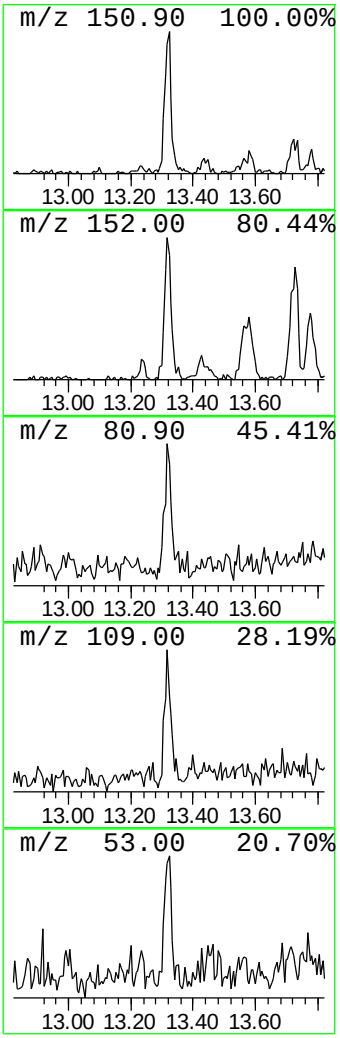
Peak Number 5 Vanillin Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.44 ng/ul	221688	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	91
2	Vanillin	152	C8H8O3	000121-33-5	91
3	Vanillin	152	C8H8O3	000121-33-5	91
4	3-Hydroxy-4-methoxymandelic acid	198	C9H10O5	003695-24-7	90
5	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

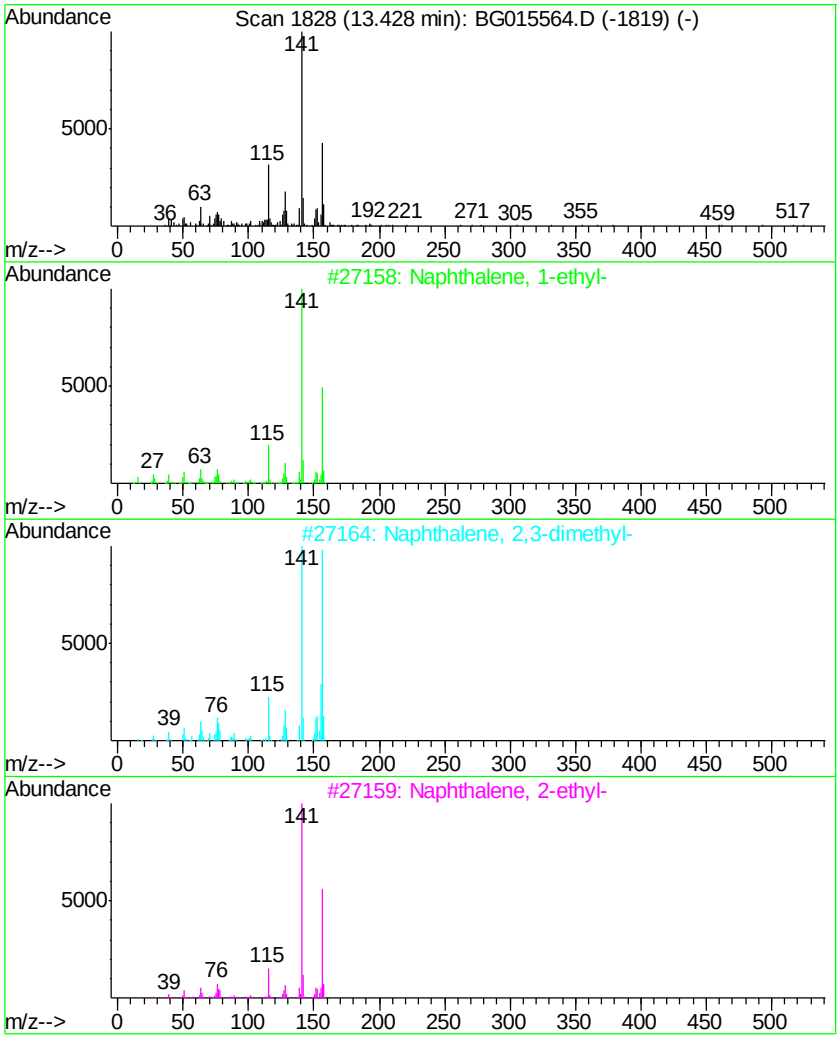
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

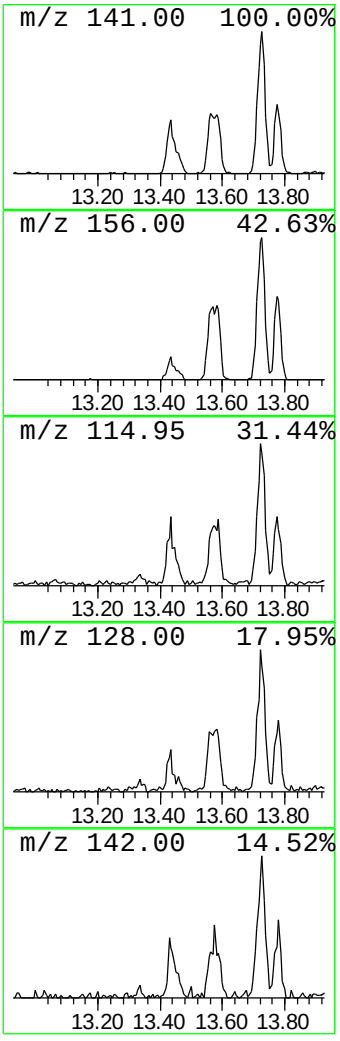
****

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	3.90 ng/ul	354236	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	78
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	70
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	70
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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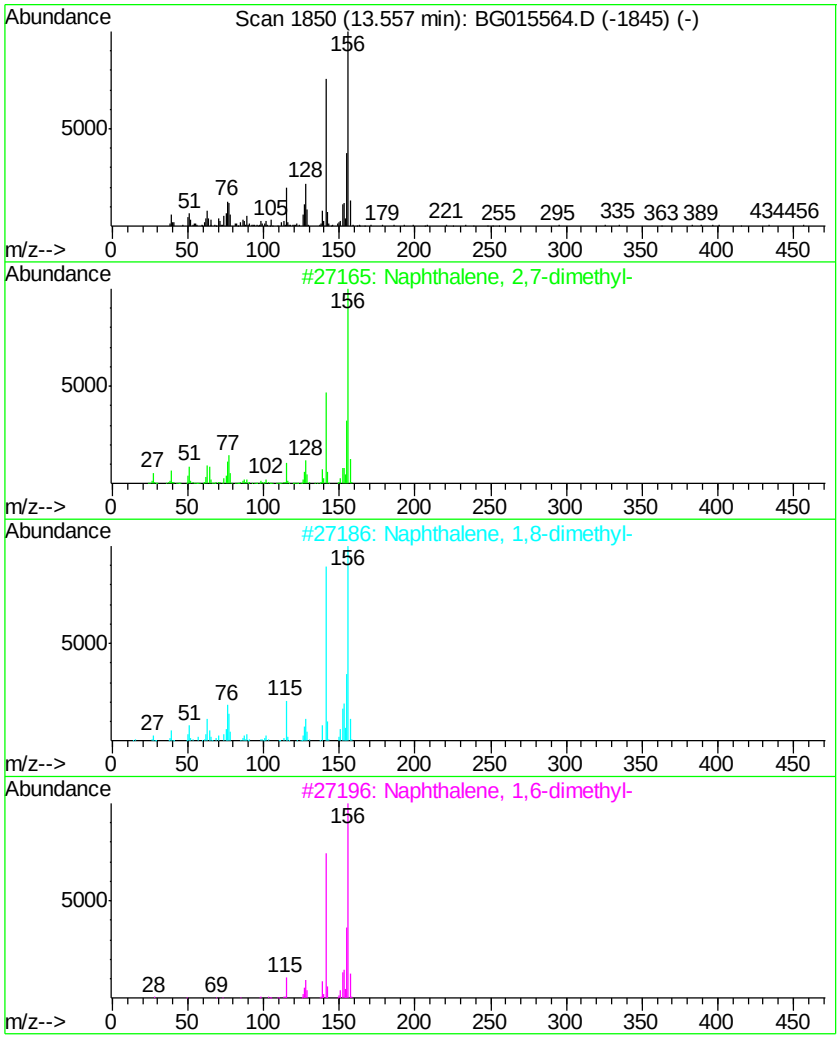
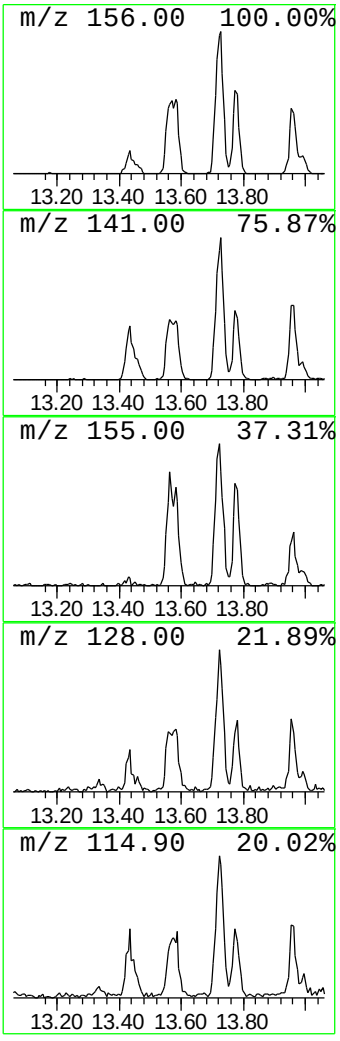
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	4.81 ng/ul	437210	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	90
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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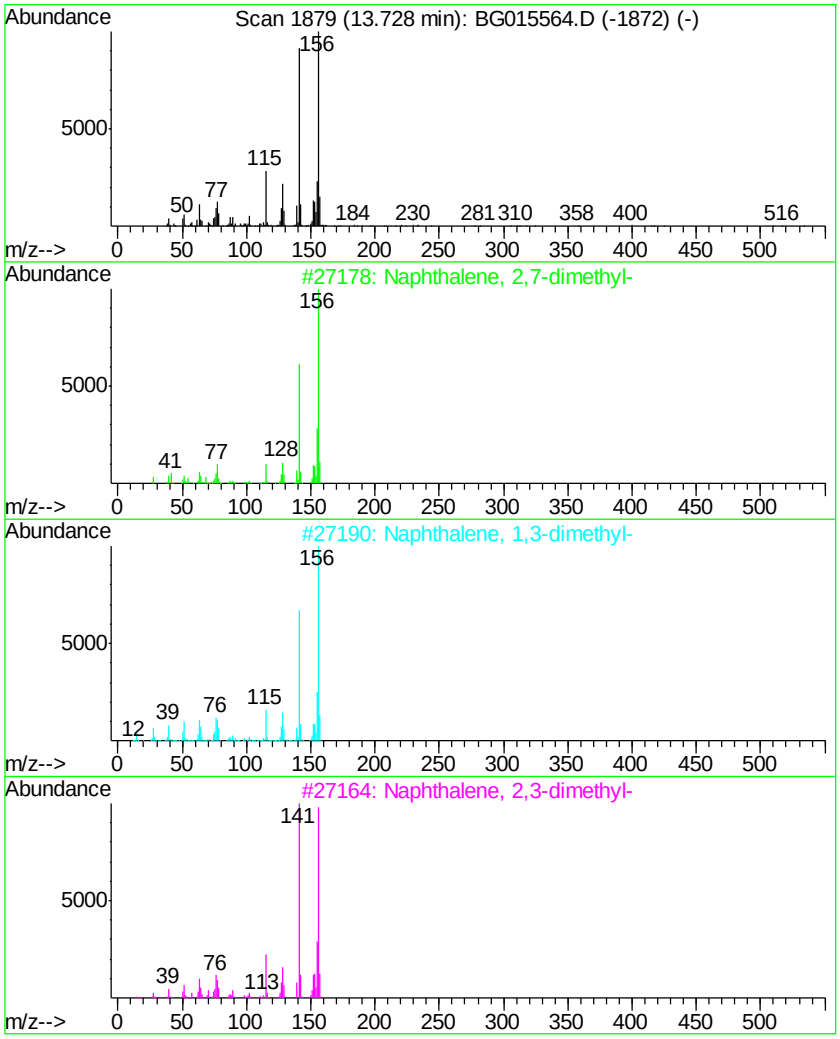
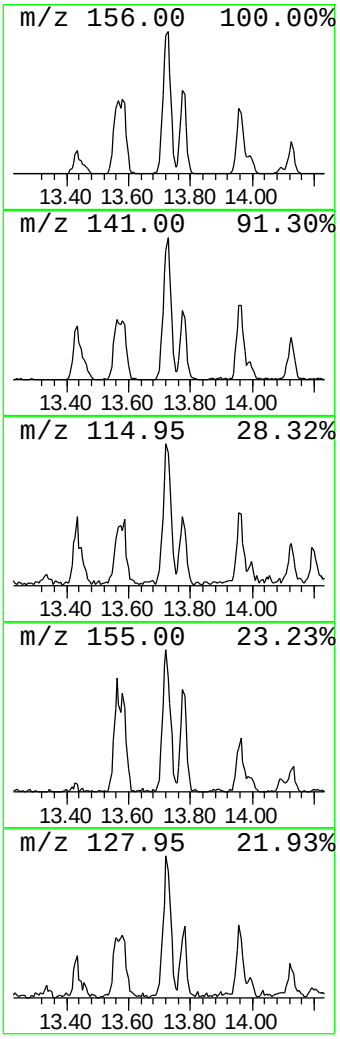
Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	9.48 ng/ul	861809	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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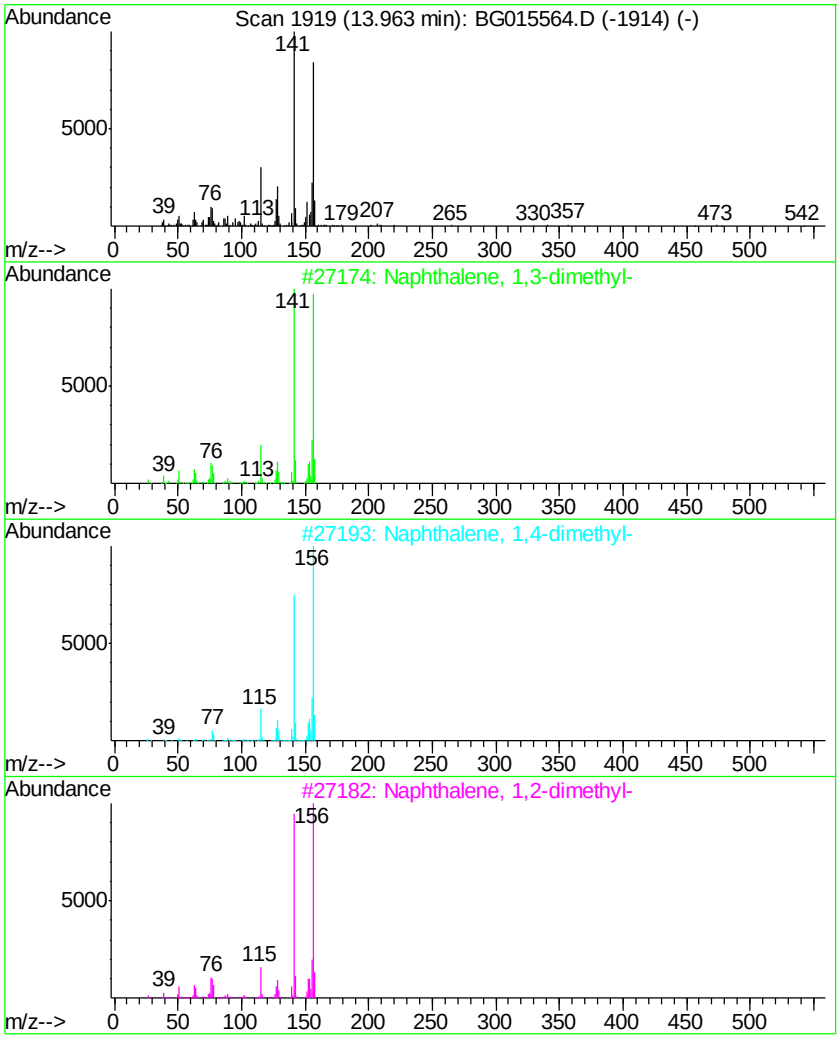
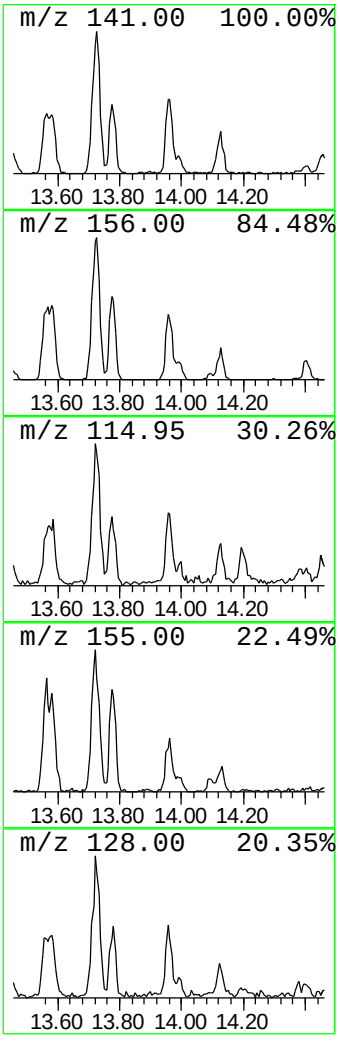
Peak Number 9 Naphthalene, 1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	3.87 ng/ul	351633	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91





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Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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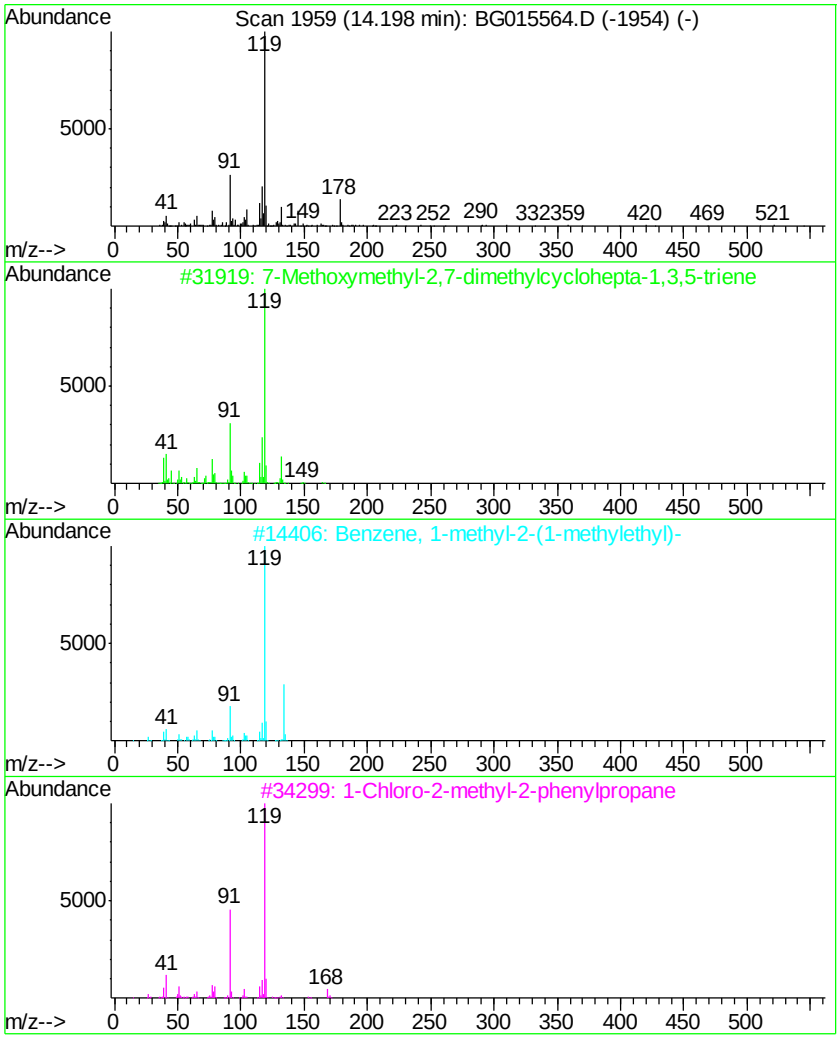
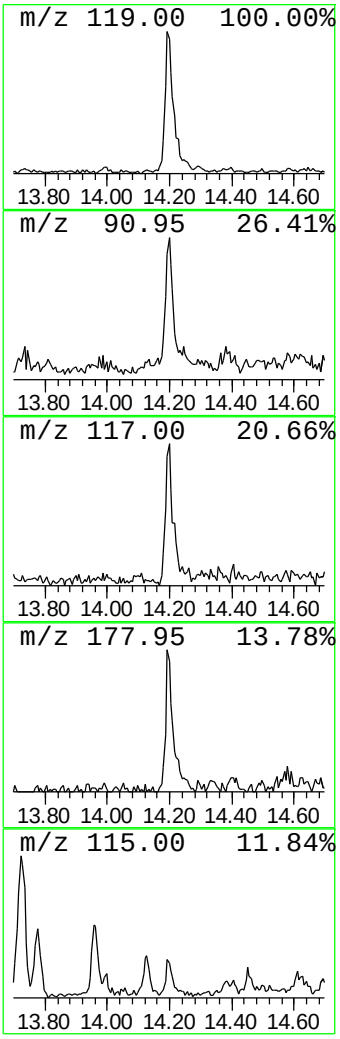
Peak Number 10 7-Methoxymethyl-2,7-dimethy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	3.89 ng/ul	353670	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	83
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	53
3	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	53
4	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	53
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	50





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Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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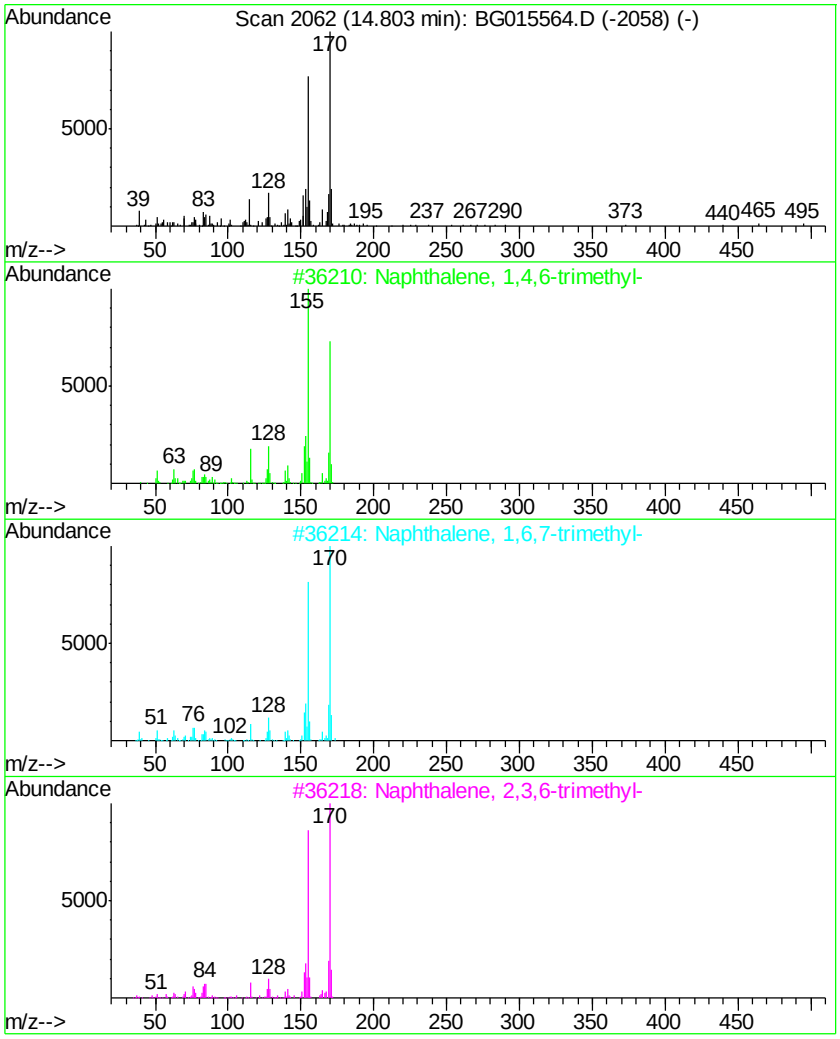
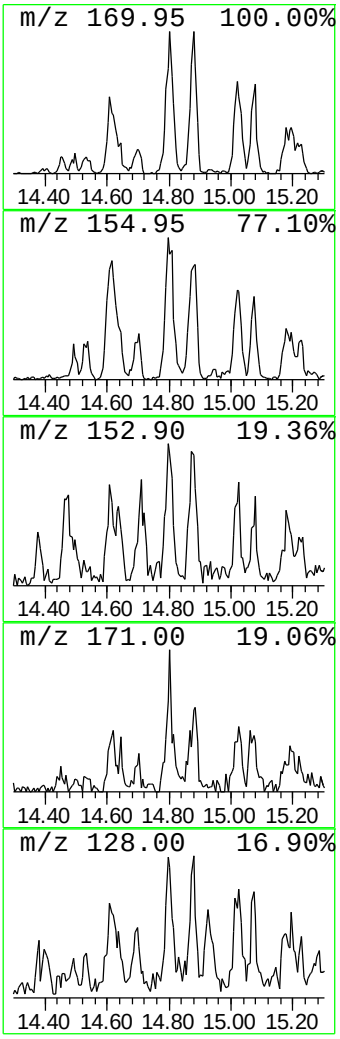
Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	2.02 ng/ul	183667	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





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Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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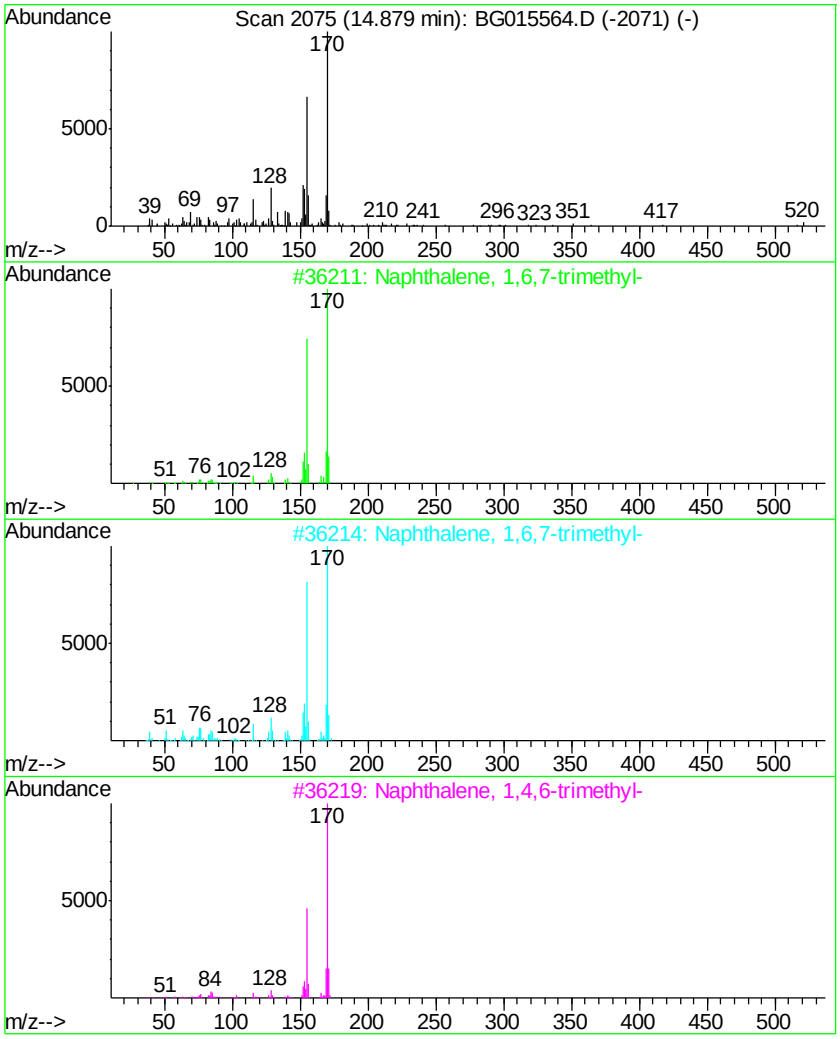
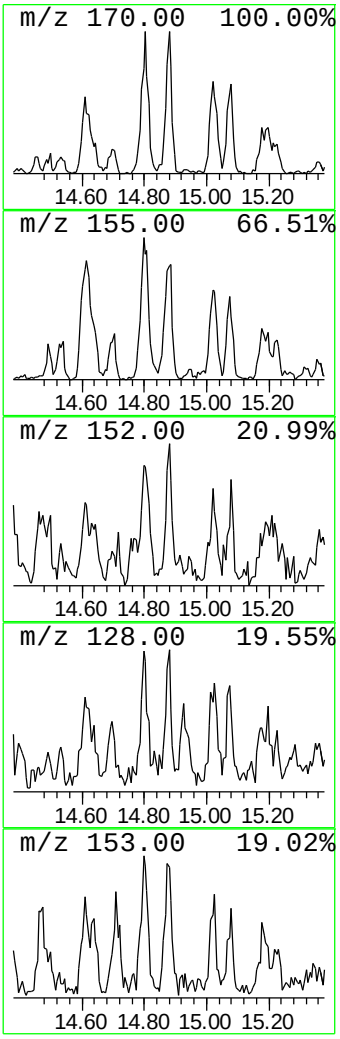
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2.19 ng/ul	198913	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86





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Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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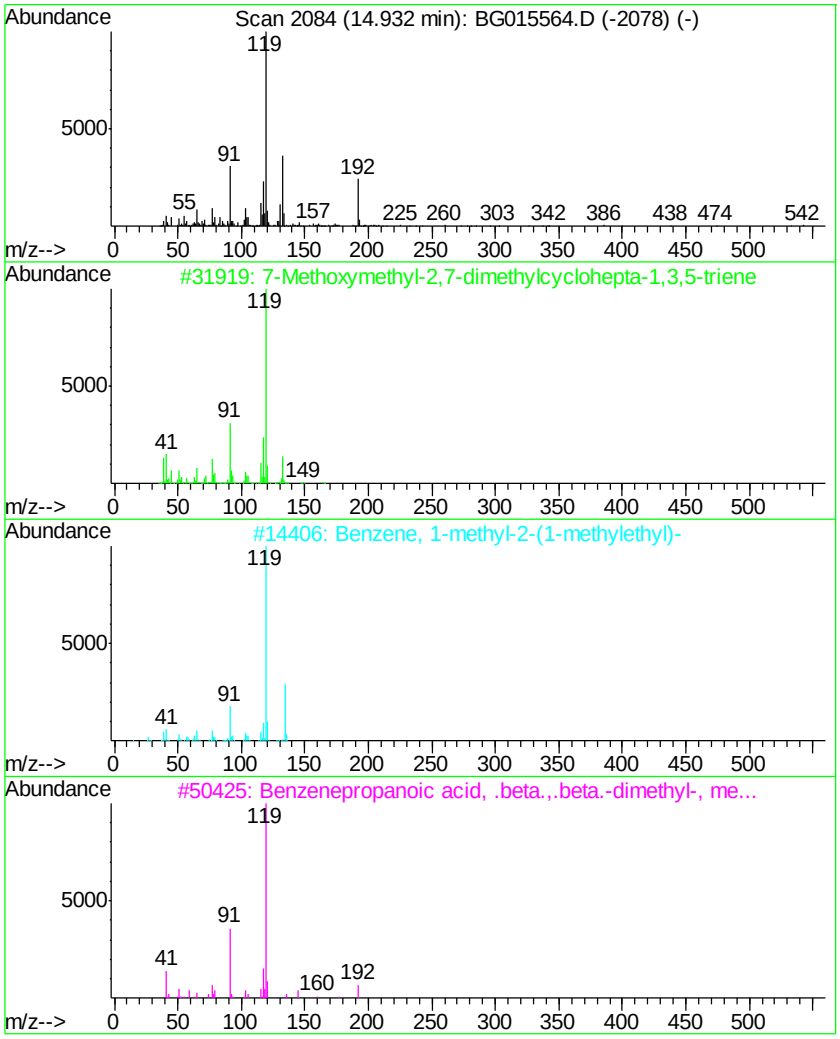
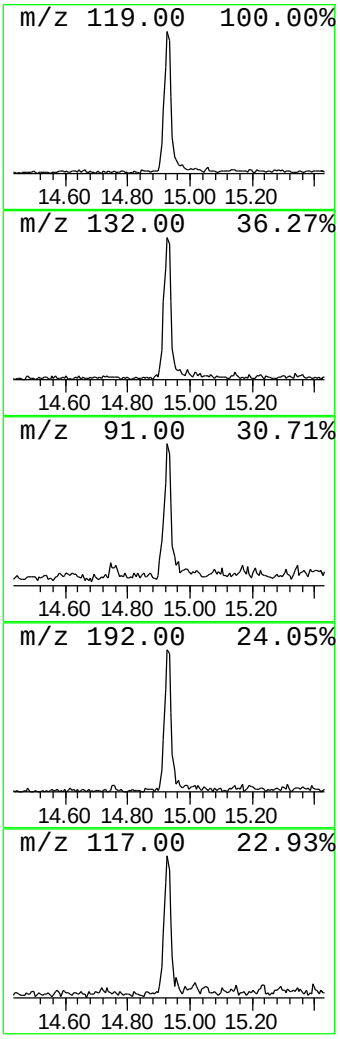
Peak Number 13 7-Methoxymethyl-2,7-dimethy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	8.04 ng/ul	731224	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	76
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	53
3	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	50
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	49
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	46





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Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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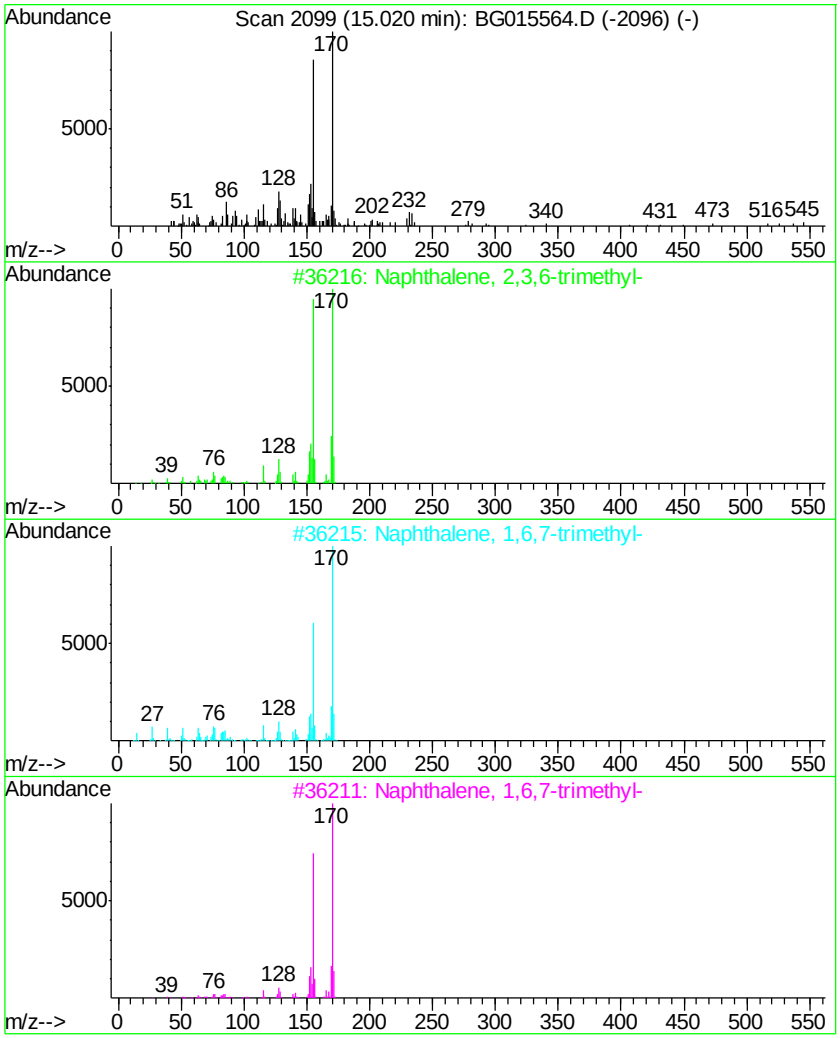
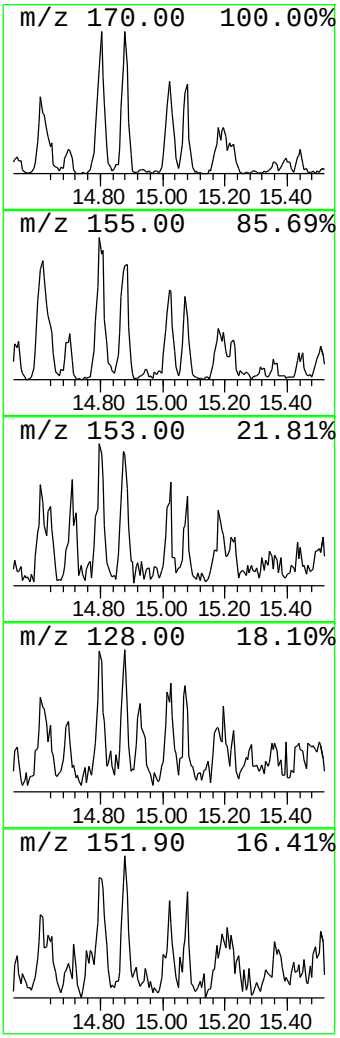
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.41 ng/ul	219496	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	80
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	74





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Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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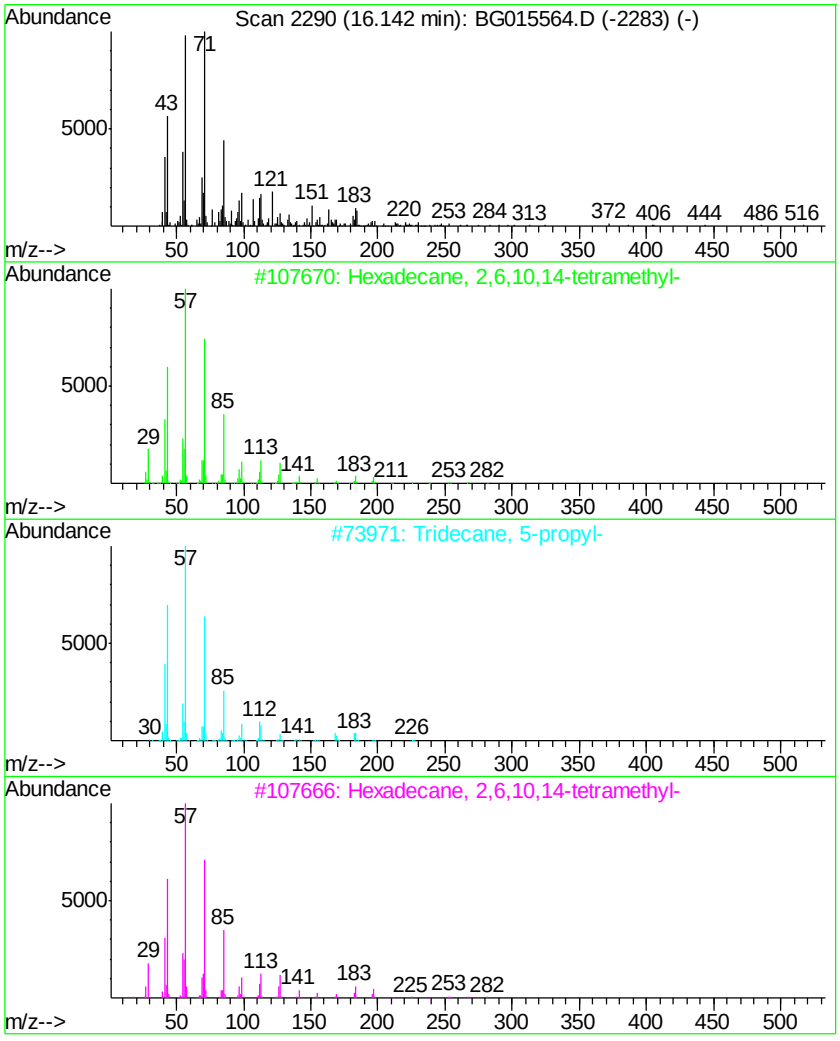
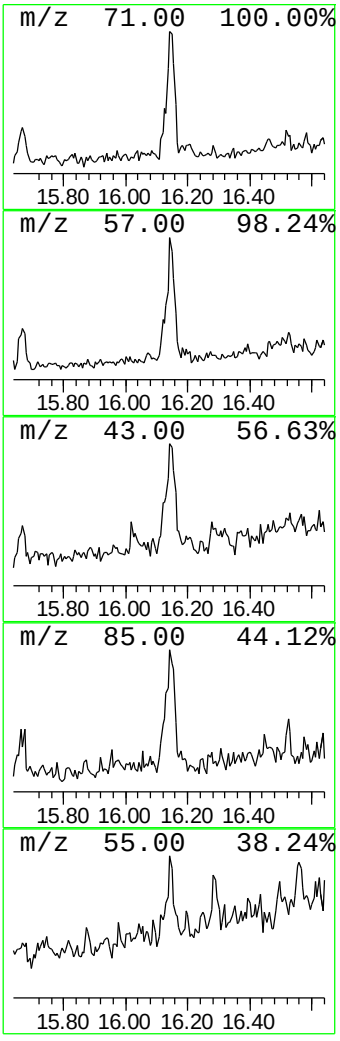
Peak Number 15 Hexadecane, 2,6,10,14-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	6.37 ng/ul	655850	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	46
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	45





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Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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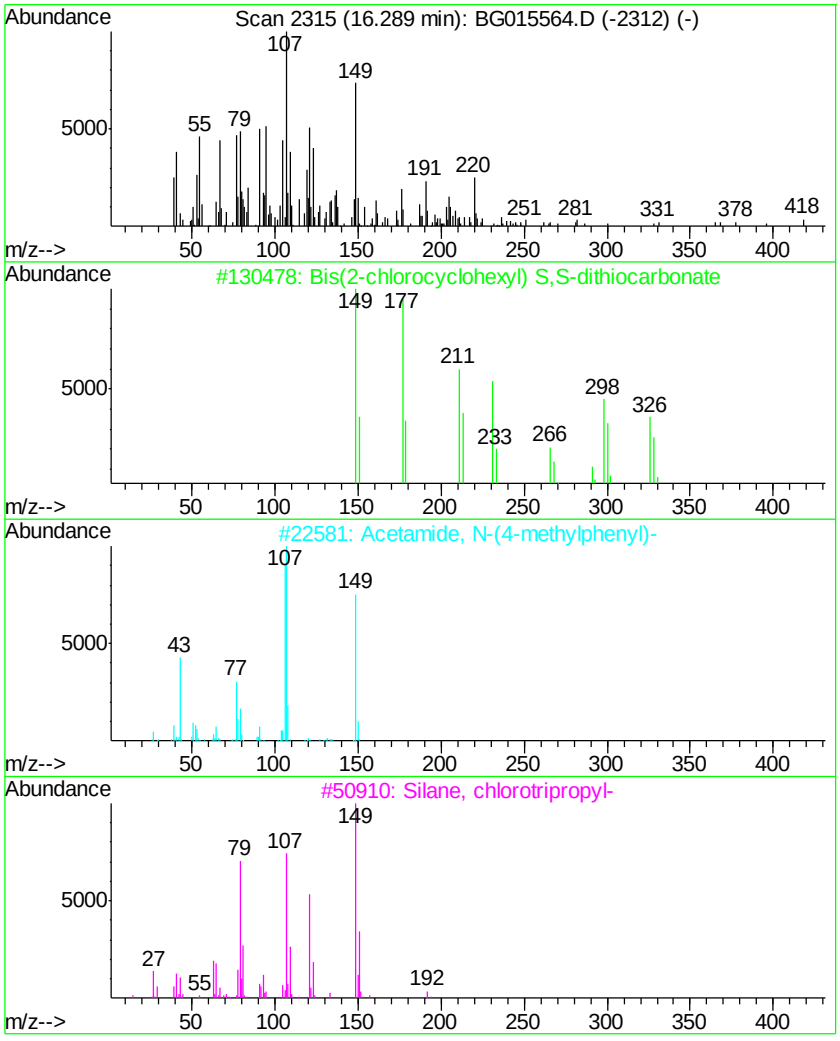
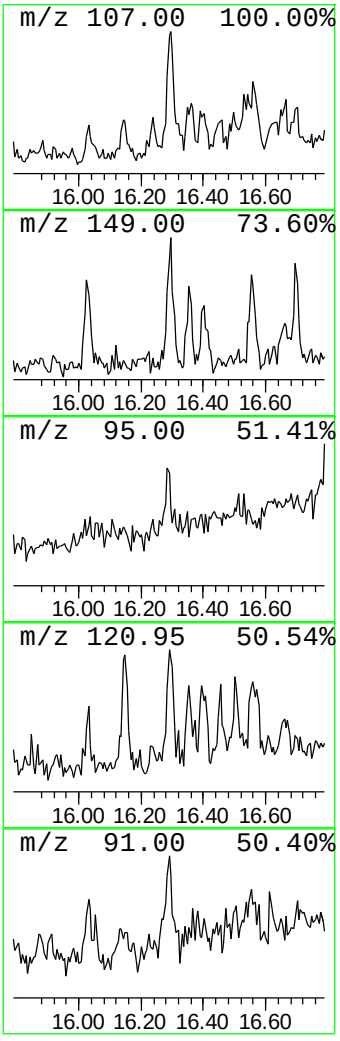
Peak Number 16 Bis(2-chlorocyclohexyl) S,S... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.23 ng/ul	332191	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-chlorocyclohexyl) S,S-dith...	326	C13H20Cl2OS2	105214-29-7	92
2	Acetamide, N-(4-methylphenyl)-	149	C9H11NO	000103-89-9	38
3	Silane, chlorotripropyl-	192	C9H21ClSi	000995-25-5	38
4	Ethanol, 2-phenoxy-, benzoate	242	C15H14O3	004173-59-5	38
5	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	35





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Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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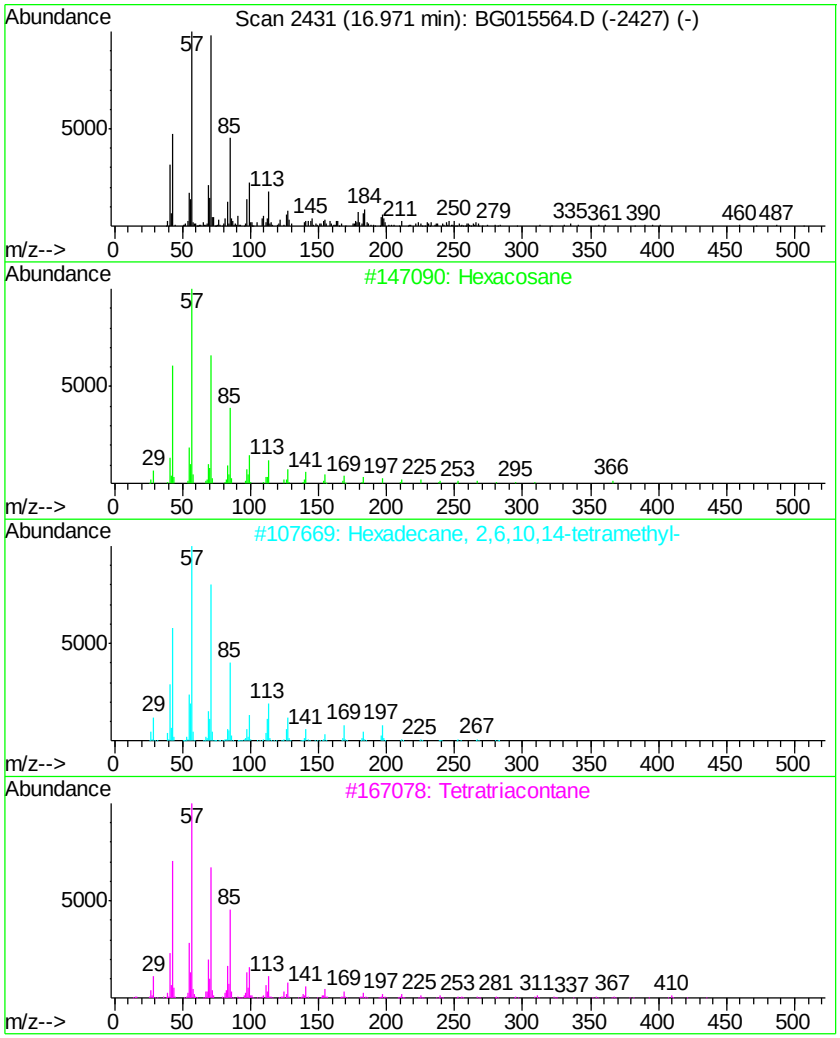
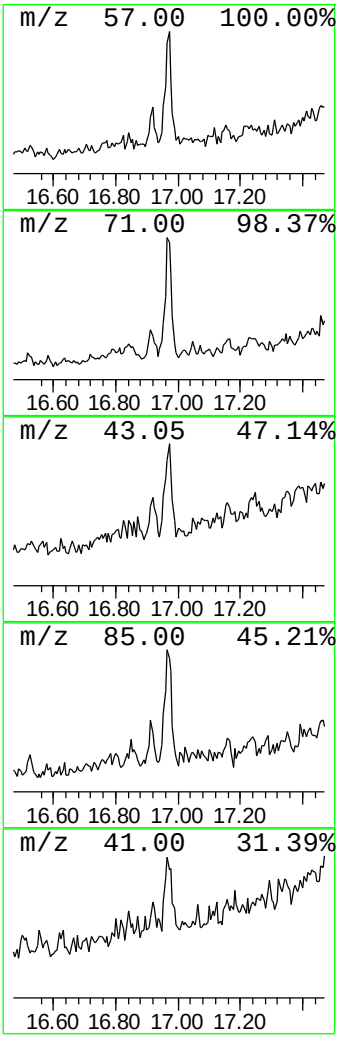
Peak Number 17 (DEL) Alkane: Cyclic Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	5.79 ng/ul	596156	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	86
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3	Tetratriacontane	479	C34H70	014167-59-0	78
4	5,5-Dibutylnonane	240	C17H36	006008-17-9	72
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	68





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Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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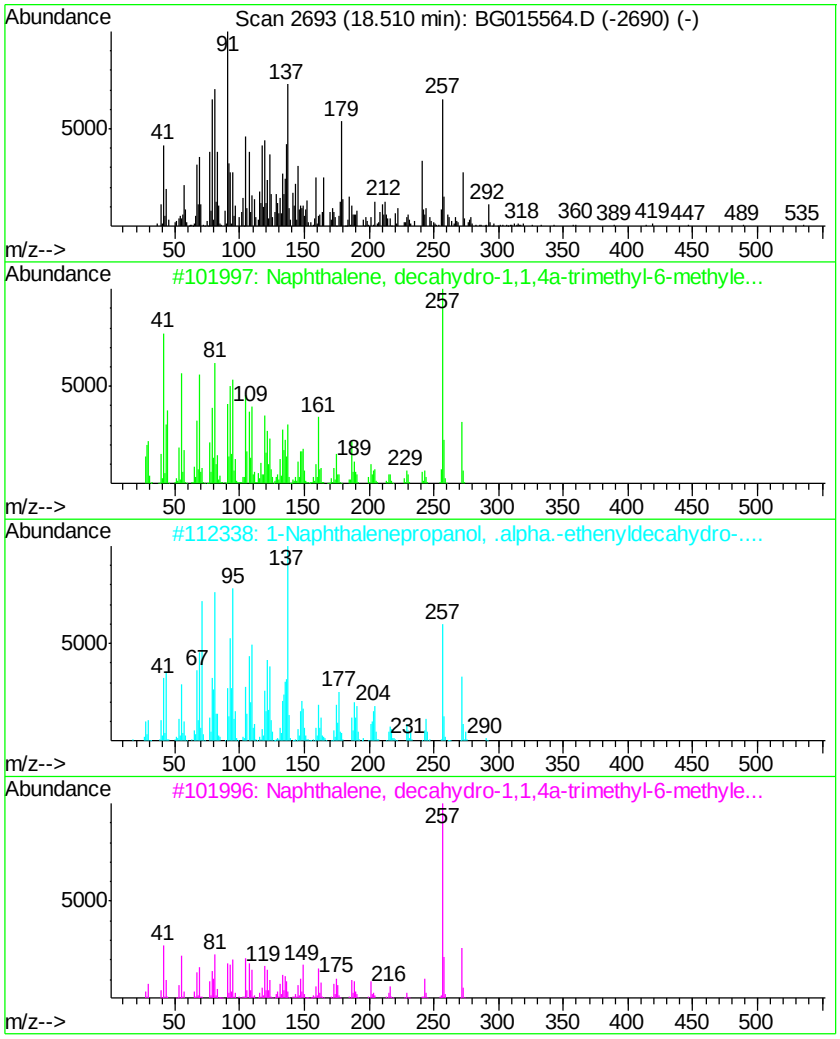
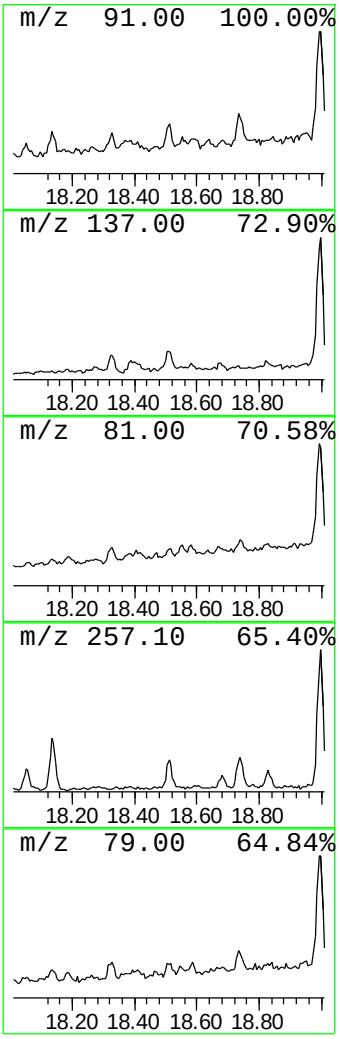
Peak Number 18 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	9.74 ng/ul	1002630	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,1,4a-tr...	272	C20H32	005957-33-5	43
2	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	000596-85-0	38
3	Naphthalene, decahydro-1,1,4a-tr...	272	C20H32	000511-02-4	38
4	p-Toluylic acid, nonyl ester	262	C17H26O2	1000292-21-5	22
5	p-Toluylic acid, decyl ester	276	C18H28O2	066606-01-7	22





Library Search Compound Report

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Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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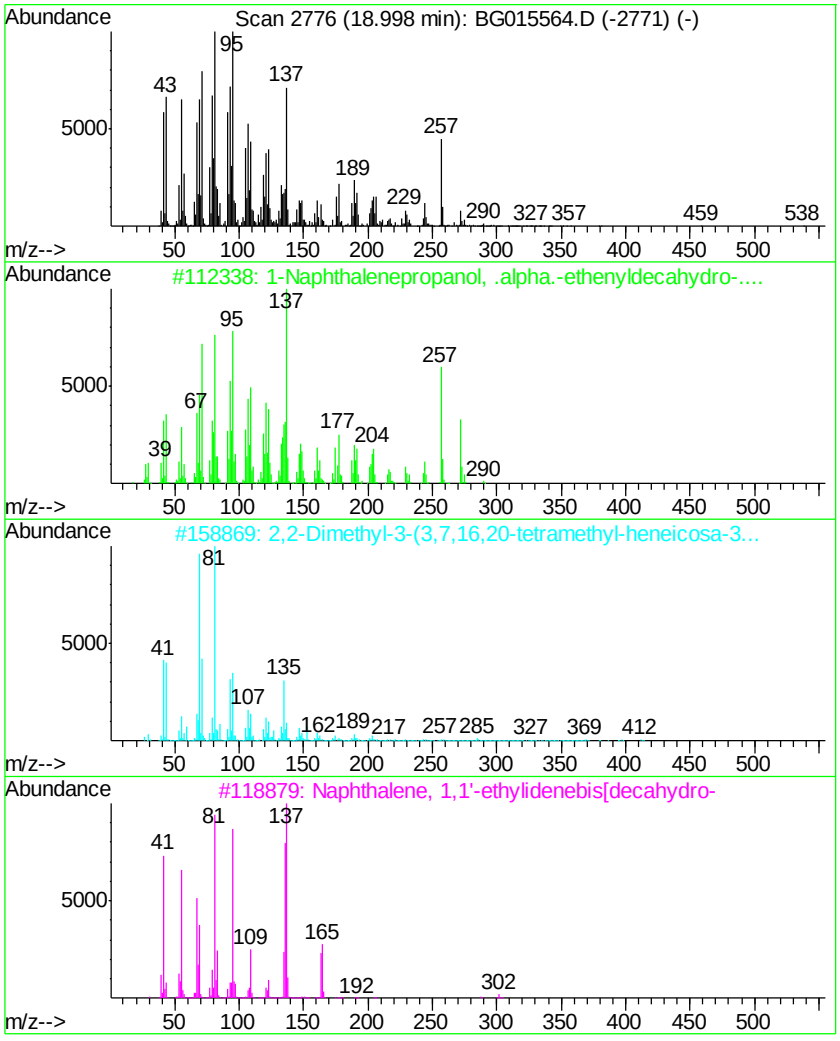
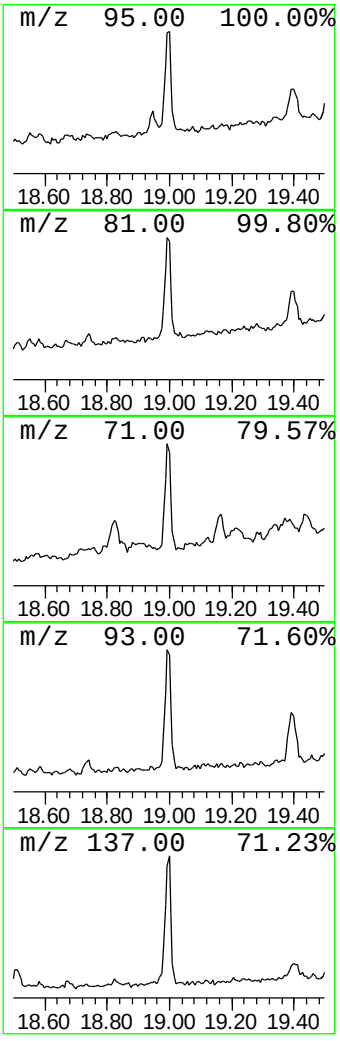
Peak Number 19 1-Naphthalenepropanol, .alp... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	83.08 ng/ul	8553140	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	000596-85-0	83
2	2,2-Dimethyl-3-(3,7,16,20-tetram...	412	C29H48O	1000194-78-6	46
3	Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	45
4	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	001438-62-6	43
5	trans,trans-3-Ethylbicyclo[4.4.0...	166	C12H22	058462-32-1	41





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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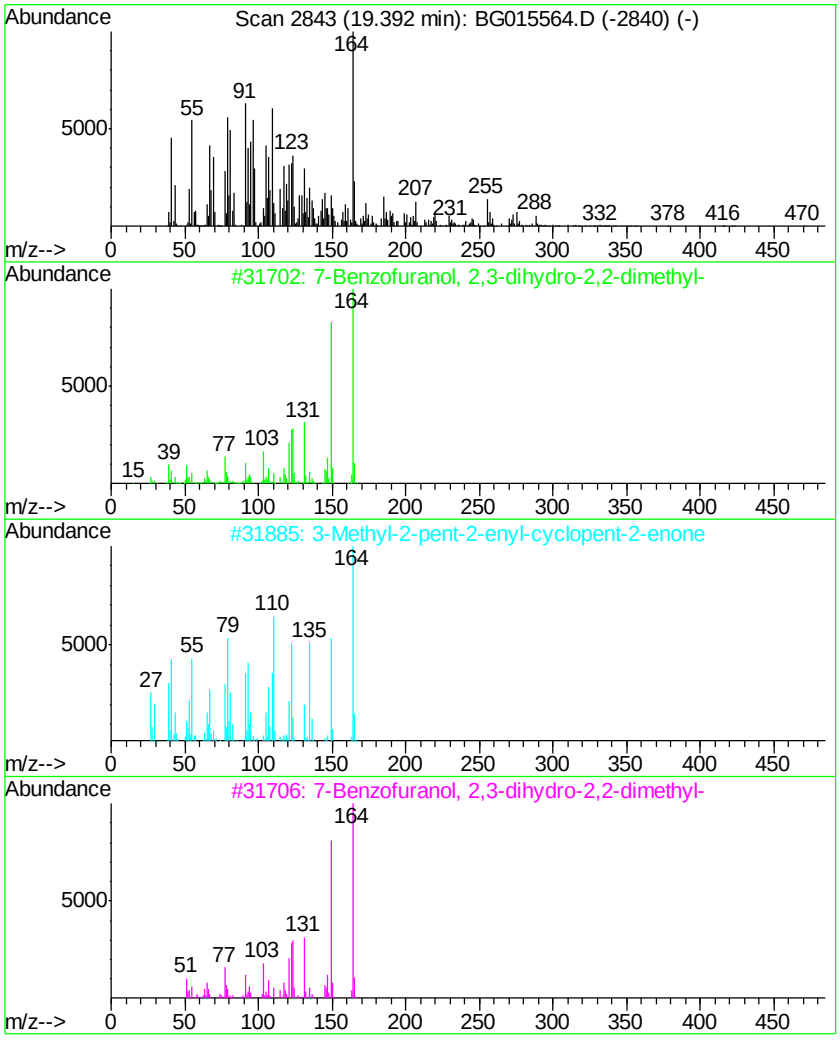
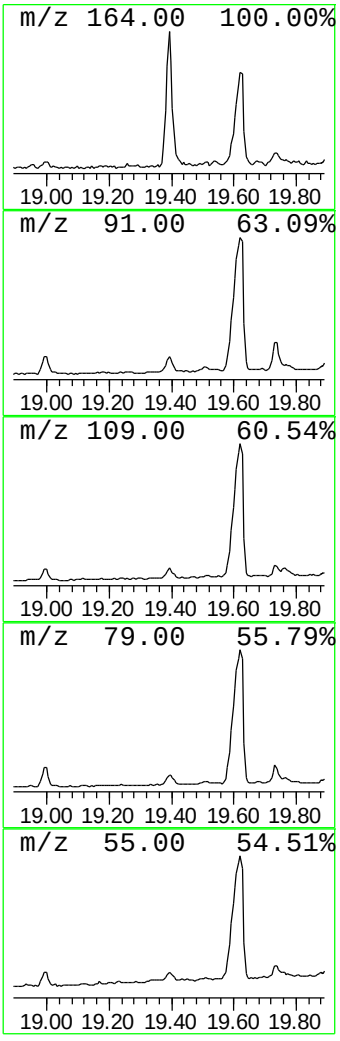
Peak Number 20 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	22.75 ng/ul	4913640	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Benzofuranol, 2,3-dihydro-2,2-...	164	C10H12O2	001563-38-8	41
2	3-Methyl-2-pent-2-enyl-cyclopent...	164	C11H16O	1000193-43-6	38
3	7-Benzofuranol, 2,3-dihydro-2,2-...	164	C10H12O2	001563-38-8	35
4	Methanimidamide, N'-(3-hydroxyph...	164	C9H12N2O	025635-97-6	25
5	Phenol, 2-methoxy-6-(2-propenyl)-	164	C10H12O2	000579-60-2	25





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Quant Title : SVOA CALIBRATION

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

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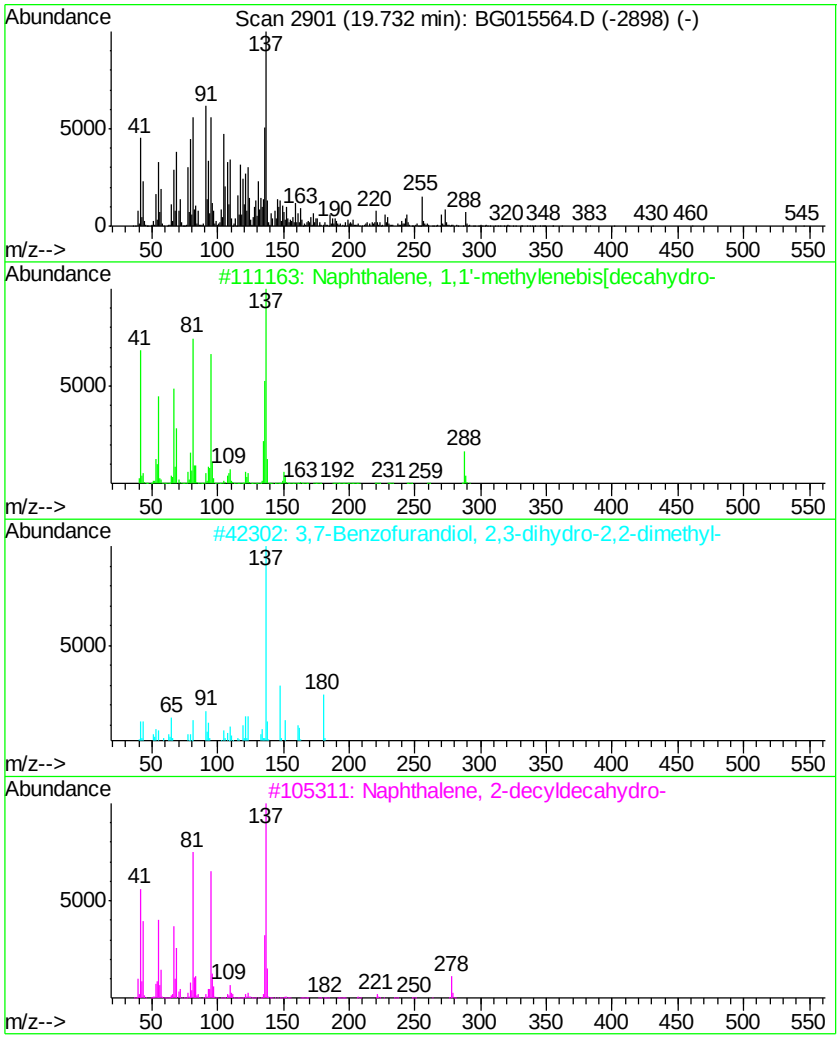
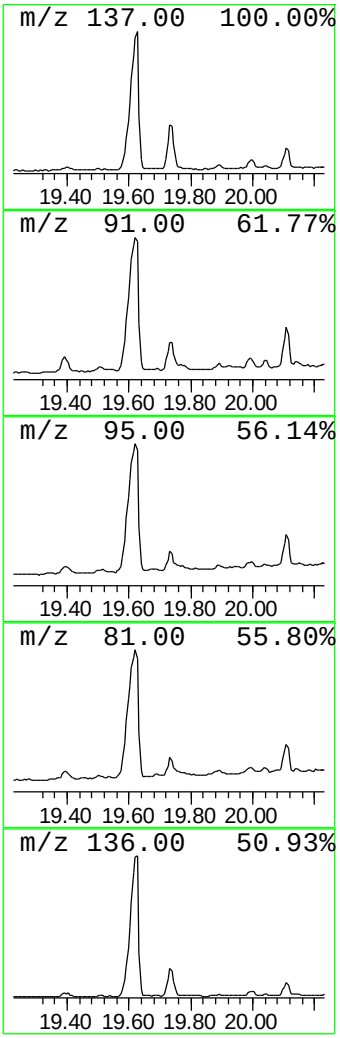
Peak Number 21 Naphthalene, 1,1'-methylene... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	55.91 ng/ul	12074900	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,1'-methylenebis[d...	288	C21H36	055125-02-5	70
2	3,7-Benzofurandiol, 2,3-dihydro-...	180	C10H12O3	017781-15-6	46
3	Naphthalene, 2-decyldecahydro-	278	C20H38	054964-84-0	46
4	Benzenamine, 5-methoxy-2-methyl-	137	C8H11NO	050868-72-9	43
5	4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	35





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Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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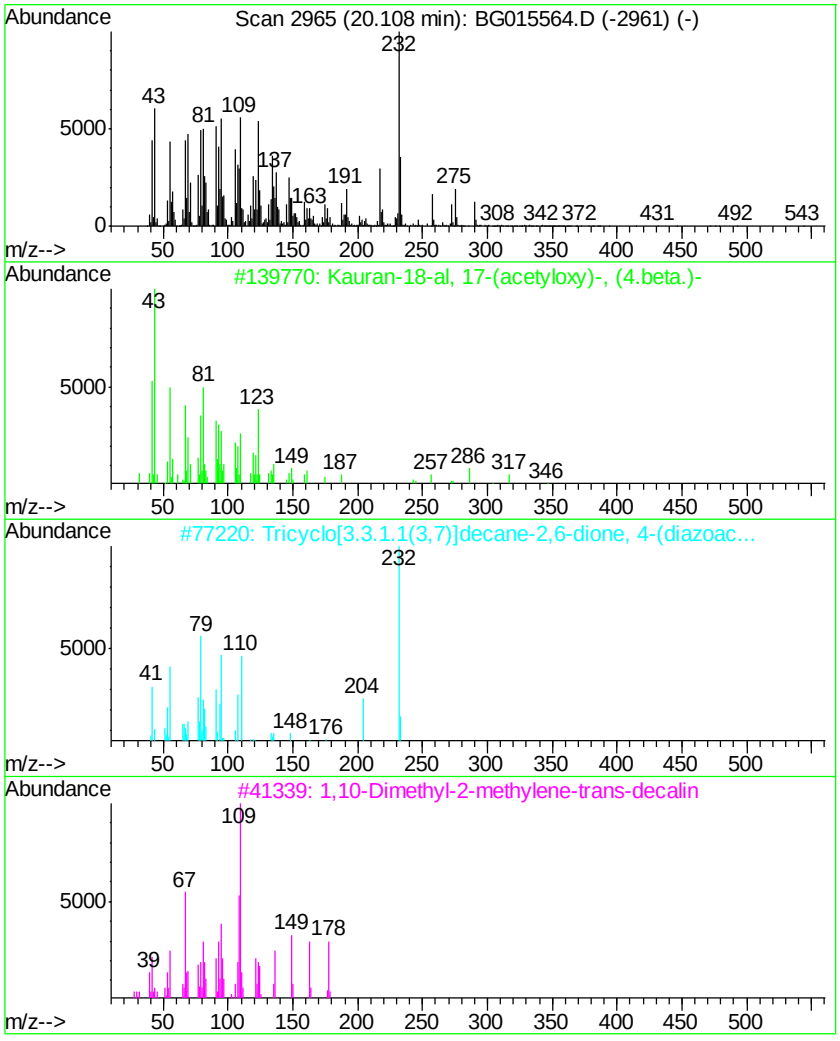
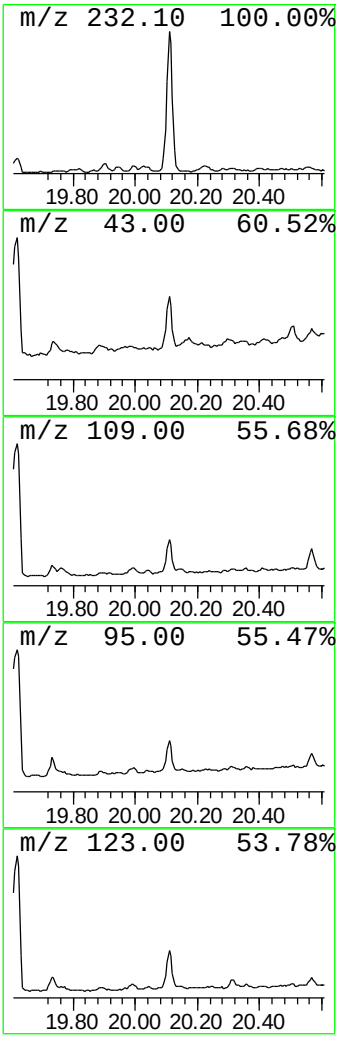
Peak Number 22 unknown-04 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	77.60 ng/ul	16757600	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Kauran-18-al, 17-(acetyloxy)-, (...	346	C22H34O3	055902-84-6	41
2	Tricyclo[3.3.1.1(3,7)]decane-2,6...	232	C12H12N2O3	056782-75-3	38
3	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	25
4	Quinoline, 2-(2,4-dimethylphenyl)-	233	C17H15N	076890-08-9	22
5	Caryophyllene oxide	220	C15H24O	001139-30-6	18





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Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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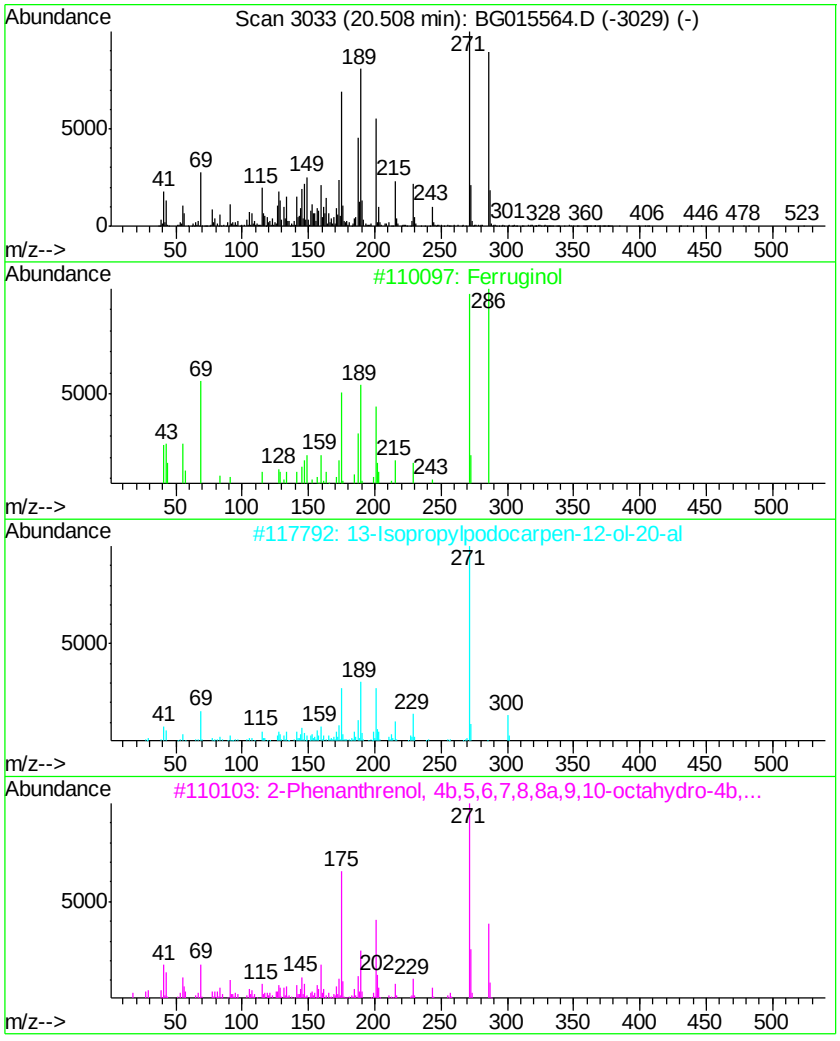
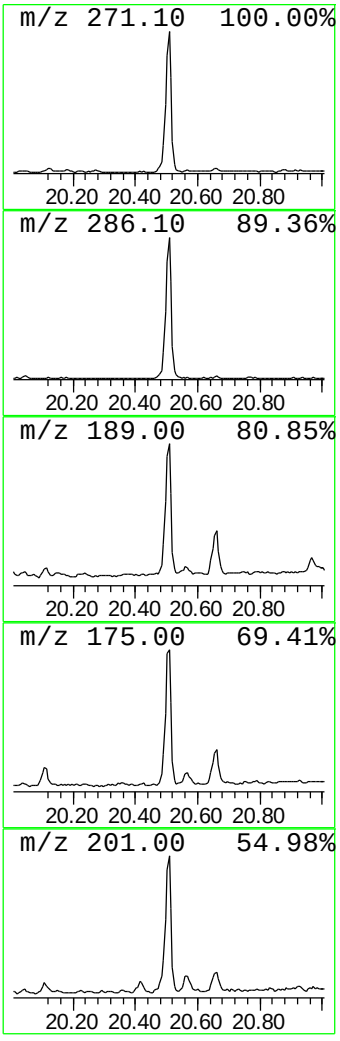
Peak Number 23 Ferruginol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.51	66.51 ng/ul	14362700	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferruginol	286	C20H30O	000514-62-5	94
2	13-Isopropylpodocarpen-12-ol-20-al	300	C20H28O2	024035-37-8	53
3	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	43
4	5.beta.-Pregn-11-ene	286	C21H34	006673-73-0	38
5	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	25





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Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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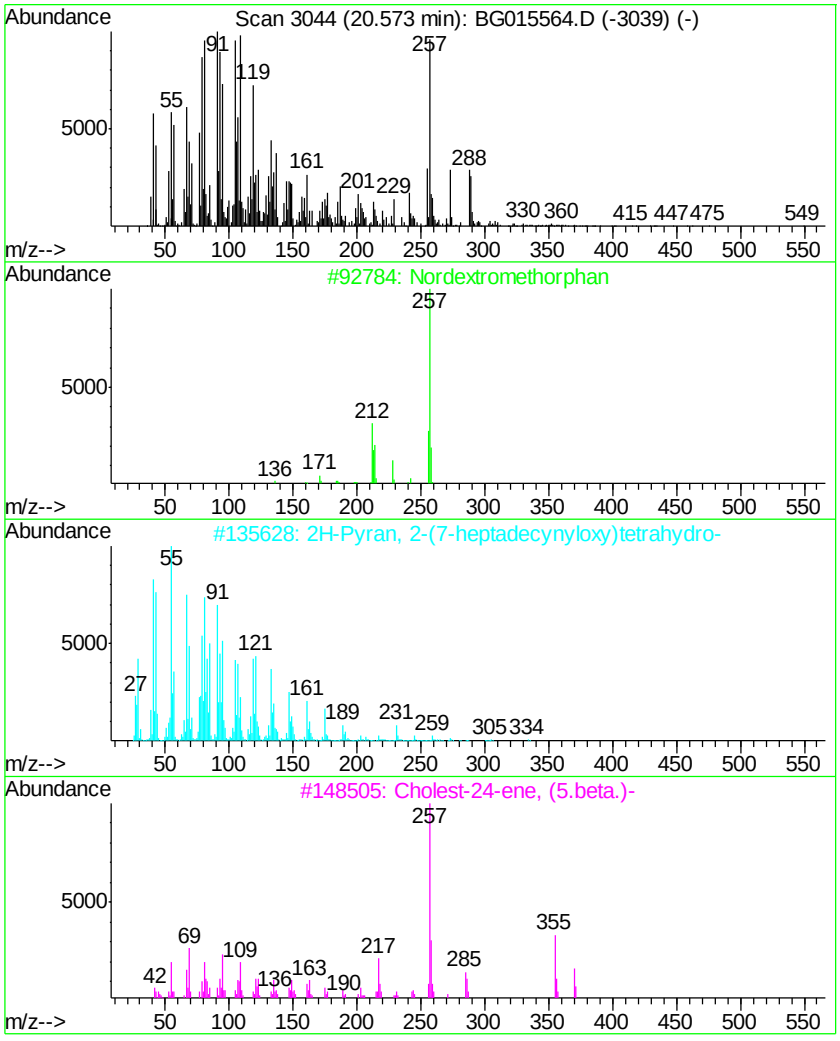
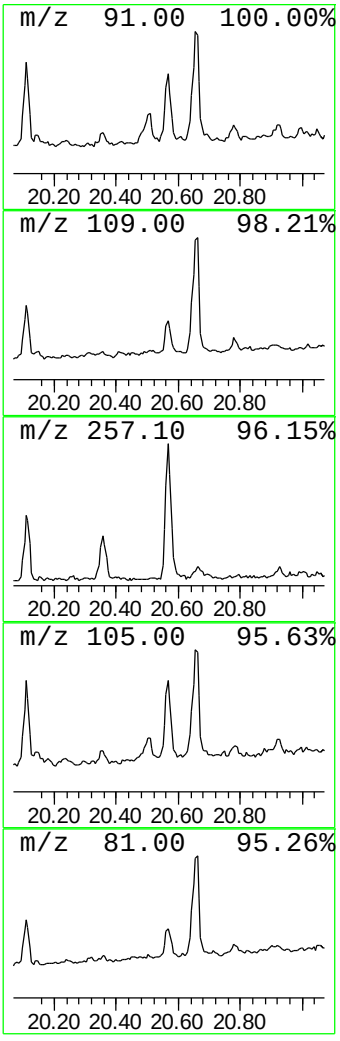
Peak Number 24 Nordextromethorphan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	45.62 ng/ul	9851110	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordextromethorphan	257	C17H23NO	051195-74-5	50
2	2H-Pyran, 2-(7-heptadecynyloxy)t...	336	C22H40O2	056599-50-9	43
3	Cholest-24-ene, (5.beta.)-	370	C27H46	014949-23-6	38
4	Bicyclo[5.2.0]nonane, 4-methylen...	204	C15H24	1000159-38-2	27
5	Cycloheptane, 4-methylene-1-meth...	204	C15H24	1000159-38-5	27





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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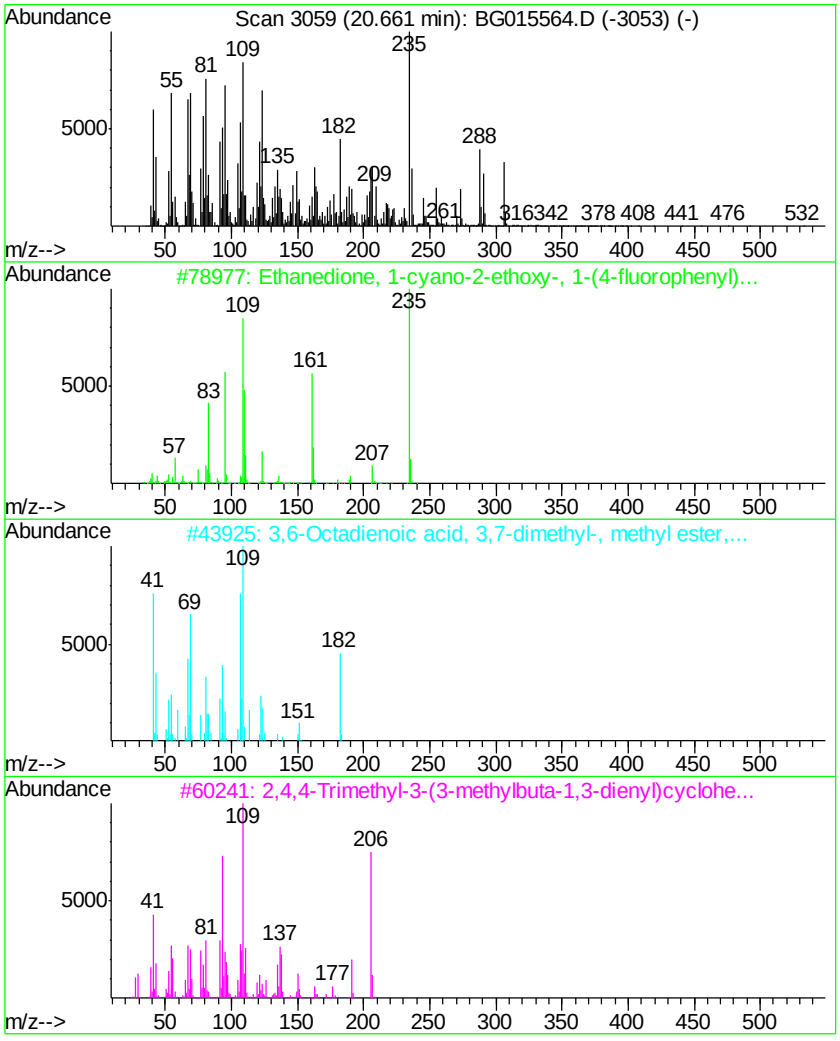
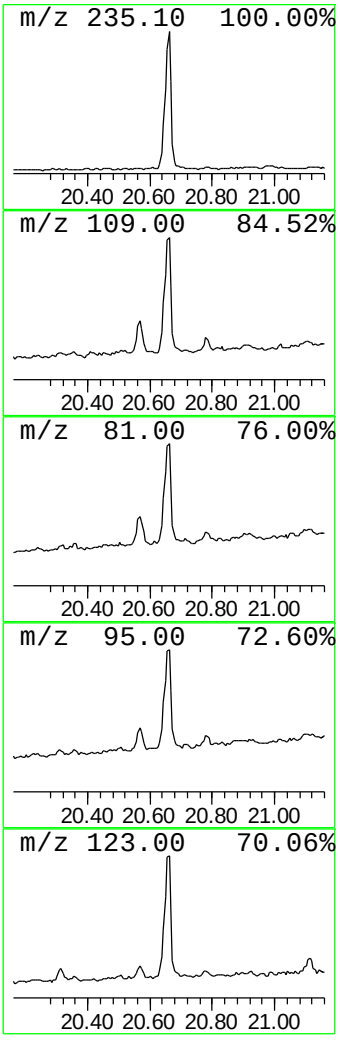
Peak Number 25 unknown-05 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	201.27 ng/ul	43466100	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedione, 1-cyano-2-ethoxy-, ...	235	C11H10FN3O2	263256-02-6	38
2	3,6-Octadienoic acid, 3,7-dimeth...	182	C11H18O2	016750-88-2	25
3	2,4,4-Trimethyl-3-(3-methylbuta-...	206	C14H22O	097452-05-6	25
4	1-Hydroxy-1,7-dimethyl-4-isoprop...	222	C15H26O	072120-50-4	25
5	1,5-Diazabicyclo[3.1.0]hexane-6-...	236	C16H16N2	1000277-06-9	25





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Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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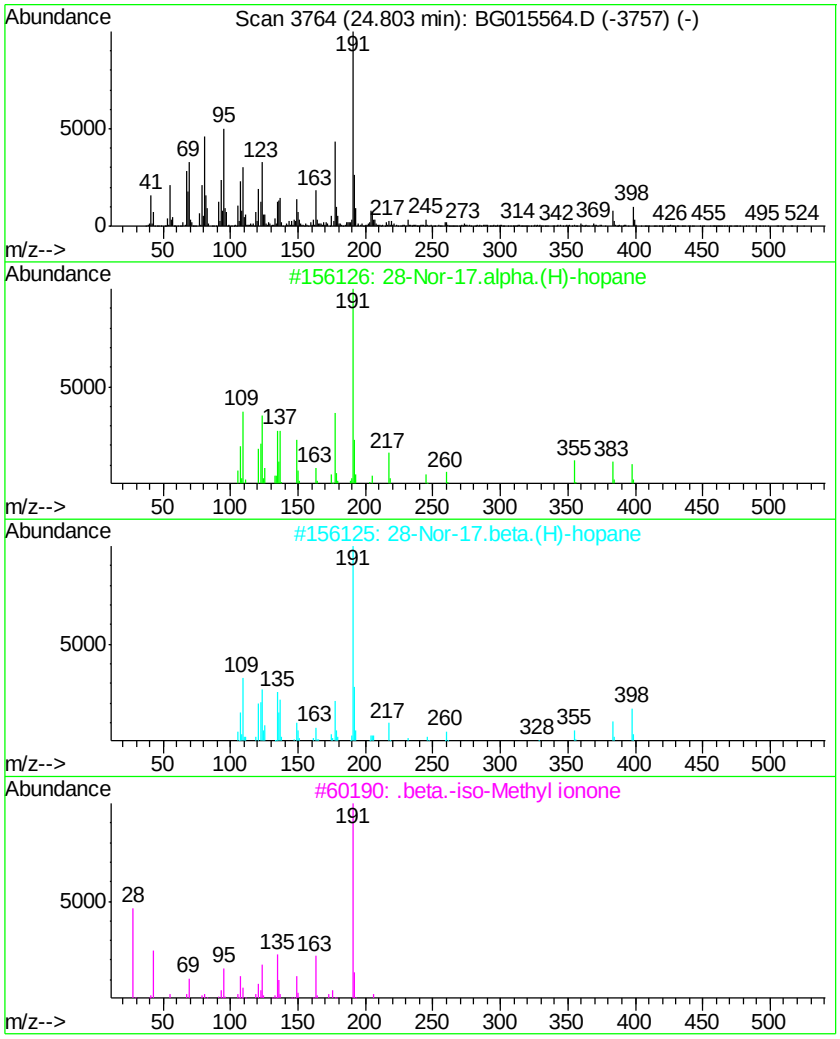
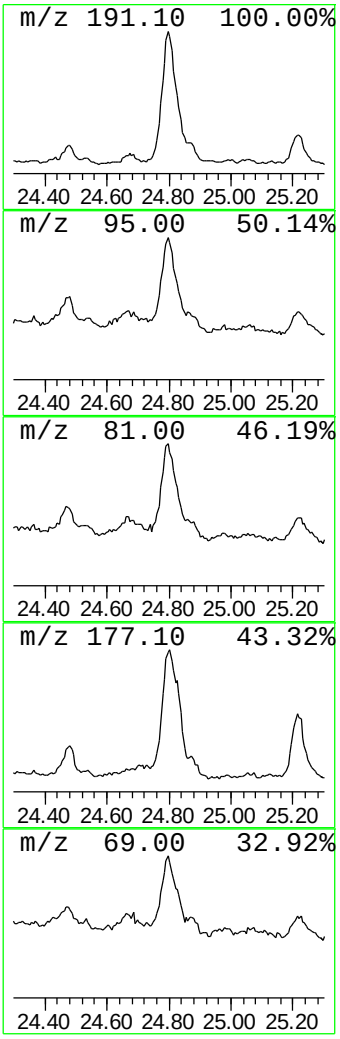
Peak Number 26 28-Nor-17.alpha.(H)-hopane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.80	20.00 ng/ul	26965900	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	94
2	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	72
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	53
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	35
5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.M
Quant Title : SVOA CALIBRATION

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

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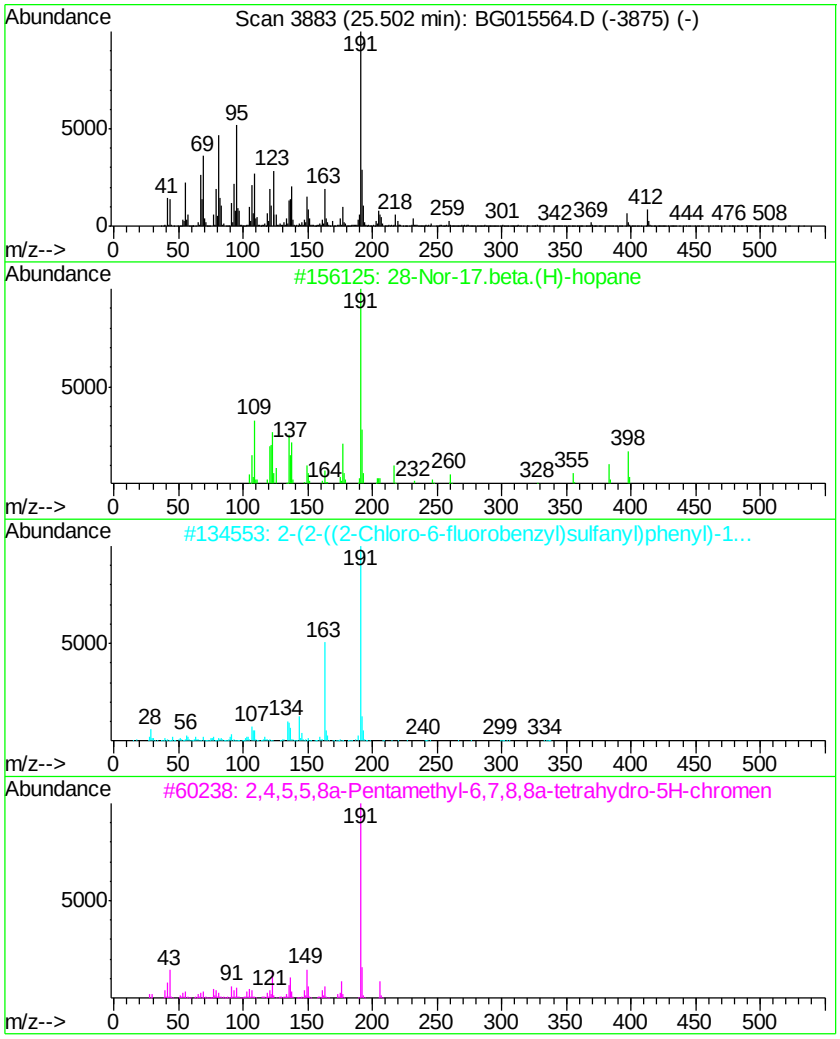
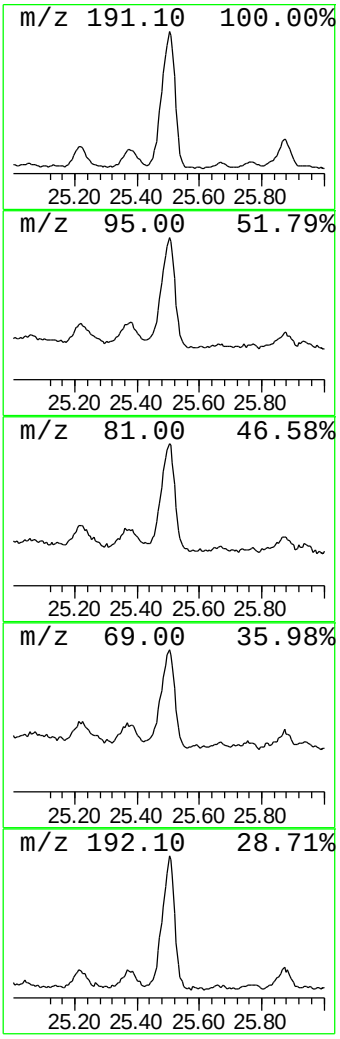
Peak Number 27 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.50	30.29 ng/ul	40838600	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	50
2	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	43
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	38
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120114\
Data File : BG015564.D
Acq On : 1 Dec 2014 16:09
Operator : TP/JJ
Sample : F4761-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-WOODBE001-111314-001

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG112514.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
unknown-01	3.01	5.7	ng/ul	262618	1	7.78	916881	20.0
Cyclohexanemethan...	12.29	4.3	ng/ul	278766	2	10.55	1286180	20.0
Naphthalene, 1-me...	12.44	12.9	ng/ul	832490	2	10.55	1286180	20.0
Vanillin	13.32	2.4	ng/ul	221688	3	14.40	1817850	20.0
Naphthalene, 1-et...	13.43	3.9	ng/ul	354236	3	14.40	1817850	20.0
Naphthalene, 2,7-...	13.56	4.8	ng/ul	437210	3	14.40	1817850	20.0
Naphthalene, 1,3-...	13.73	9.5	ng/ul	861809	3	14.40	1817850	20.0
Naphthalene, 1,4-...	13.96	3.9	ng/ul	351633	3	14.40	1817850	20.0
7-Methoxymethyl-2...	14.20	3.9	ng/ul	353670	3	14.40	1817850	20.0
Naphthalene, 1,4,...	14.80	2.0	ng/ul	183667	3	14.40	1817850	20.0
Naphthalene, 1,6,...	14.88	2.2	ng/ul	198913	3	14.40	1817850	20.0
7-Methoxymethyl-2...	14.93	8.0	ng/ul	731224	3	14.40	1817850	20.0
Naphthalene, 2,3,...	15.02	2.4	ng/ul	219496	3	14.40	1817850	20.0
Hexadecane, 2,6,1...	16.14	6.4	ng/ul	655850	4	17.15	2059040	20.0
Bis(2-chlorocyclo...	16.29	3.2	ng/ul	332191	4	17.15	2059040	20.0
(DEL) Alkane: Cyclic	16.97	5.8	ng/ul	596156	4	17.15	2059040	20.0
unknown-02	18.51	9.7	ng/ul	1002630	4	17.15	2059040	20.0
1-Naphthaleneprop...	19.00	83.1	ng/ul	8553140	4	17.15	2059040	20.0
unknown-03	19.39	22.8	ng/ul	4913640	5	21.35	4319160	20.0
Naphthalene, 1,1'...	19.73	55.9	ng/ul	12074900	5	21.35	4319160	20.0
unknown-04	20.11	77.6	ng/ul	16757600	5	21.35	4319160	20.0
Ferruginol	20.51	66.5	ng/ul	14362700	5	21.35	4319160	20.0
Nordextromethorphan	20.57	45.6	ng/ul	9851110	5	21.35	4319160	20.0
unknown-05	20.66	201.3	ng/ul	43466100	5	21.35	4319160	20.0
28-Nor-17.alpha.(...	24.80	20.0	ng/ul	26965900	6	23.67	26965900	20.0
unknown-06	25.50	30.3	ng/ul	40838600	6	23.67	26965900	20.0