LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG062516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.235	401	408	413	rBV	90895	134917	1.27%	0.214%
2	5.705	480	488	498	rBV	1107550	1850585	17.48%	2.938%
3	7.314	754	762	769	rBV	847344	1529747	14.45%	2.428%
4	7.544	791	801	810	rVB6	77686	265731	2.51%	0.422%
5	7.690	819	826	843	rVB	2093934	3749074	35.41%	5.951%
6	7.896	855	861	871	rBV	89318	167162	1.58%	0.265%
7	8.161	899	906	910	rBV2	452423	820605	7.75%	1.303%
8	8.202	910	913	919	rVB3	169568	263844	2.49%	0.419%
9	8.384	936	944	950	rBV3	90865	184187	1.74%	0.292%
10	8.484	955	961	973	rVV	1732483	3137735	29.64%	4.981%
11	8.866	1020	1026	1033	rVB5	101337	222238	2.10%	0.353%
12	9.130	1063	1071	1073	rBV7	70576	152207	1.44%	0.242%
13	9.247	1077	1091	1098	rVB2	659517	2169200	20.49%	3.443%
14	9.336	1098	1106	1114	rBV	1726926	3286031	31.04%	5.216%
15	9.606	1147	1152	1161	rVB6	64359	129752	1.23%	0.206%
16	9.970	1205	1214	1222	rBV3	303230	654023	6.18%	1.038%
17	10.129	1232	1241	1248	rBV5	84367	171561	1.62%	0.272%
18	10.217	1250	1256	1265	rVV9	55743	158345	1.50%	0.251%
19	10.323	1267	1274	1277	rVV5	145716	296470	2.80%	0.471%
20	10.370	1278	1282	1296	rVB6	132833	337813	3.19%	0.536%
21	10.699	1332	1338	1344	rVB5	98725	202643	1.91%	0.322%
22	10.987	1380	1387	1396	rBV	783639	1432972	13.54%	2.275%
23	11.116	1401	1409	1415	rBV4	186831	338700	3.20%	0.538%
24	11.398	1444	1457	1466	rBV6	179757	573336	5.42%	0.910%
25	11.703	1506	1509	1516	rVB7	64030	113209	1.07%	0.180%
26	11.839	1525	1532	1537	rBV9	111091	243372	2.30%	0.386%
27	12.649	1657	1670	1675	rBV7	184447	453095	4.28%	0.719%
28	12.714	1677	1681	1687	rVB8	116575	216068	2.04%	0.343%
29	12.890	1707	1711	1715	rVV4	170353	283424	2.68%	0.450%
30	12.937	1715	1719	1725	rVB4	231327	397351	3.75%	0.631%
31	13.014	1725	1732	1736	rBV5	117011	248500	2.35%	0.394%
32	13.067	1736	1741	1746	rBV5	247064	467696	4.42%	0.742%
33	13.131	1748	1752	1756	rVV5	181323	311218	2.94%	0.494%
34	13.196	1759	1763	1768	rVB8	62139	113420	1.07%	0.180%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG062516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.425	1795	1802	1807	rBV	4781356	7713698	72.87%	12.245%
36	14.394	1963	1967	1974	rVB8	98458	162334	1.53%	0.258%
37	14.594	1997	2001	2008	rVB9	65953	159647	1.51%	0.253%
38	14.800	2029	2036	2044	rVB2	1291631	2250062	21.25%	3.572%
39	16.292	2283	2290	2297	rBV	4652006	7185710	67.88%	11.406%
40	17.074	2420	2423	2426	rBV5	81964	118281	1.12%	0.188%
41	17.156	2434	2437	2444	rVB7	78307	144417	1.36%	0.229%
42	17.555	2499	2505	2513	rVB	1919879	2803992	26.49%	4.451%
43	18.425	2649	2653	2658	rBV3	290431	419526	3.96%	0.666%
44	19.688	2865	2868	2874	rBV8	157952	222172	2.10%	0.353%
45	20.158	2942	2948	2954	rVB	7842452	10586273	100.00%	16.804%
46	21.850	3230	3236	3243	rVB	1845612	3161316	29.86%	5.018%
47	25.205	3799	3807	3821	rVB2	1006462	2993100	28.27%	4.751%

Sum of corrected areas: 62996759

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
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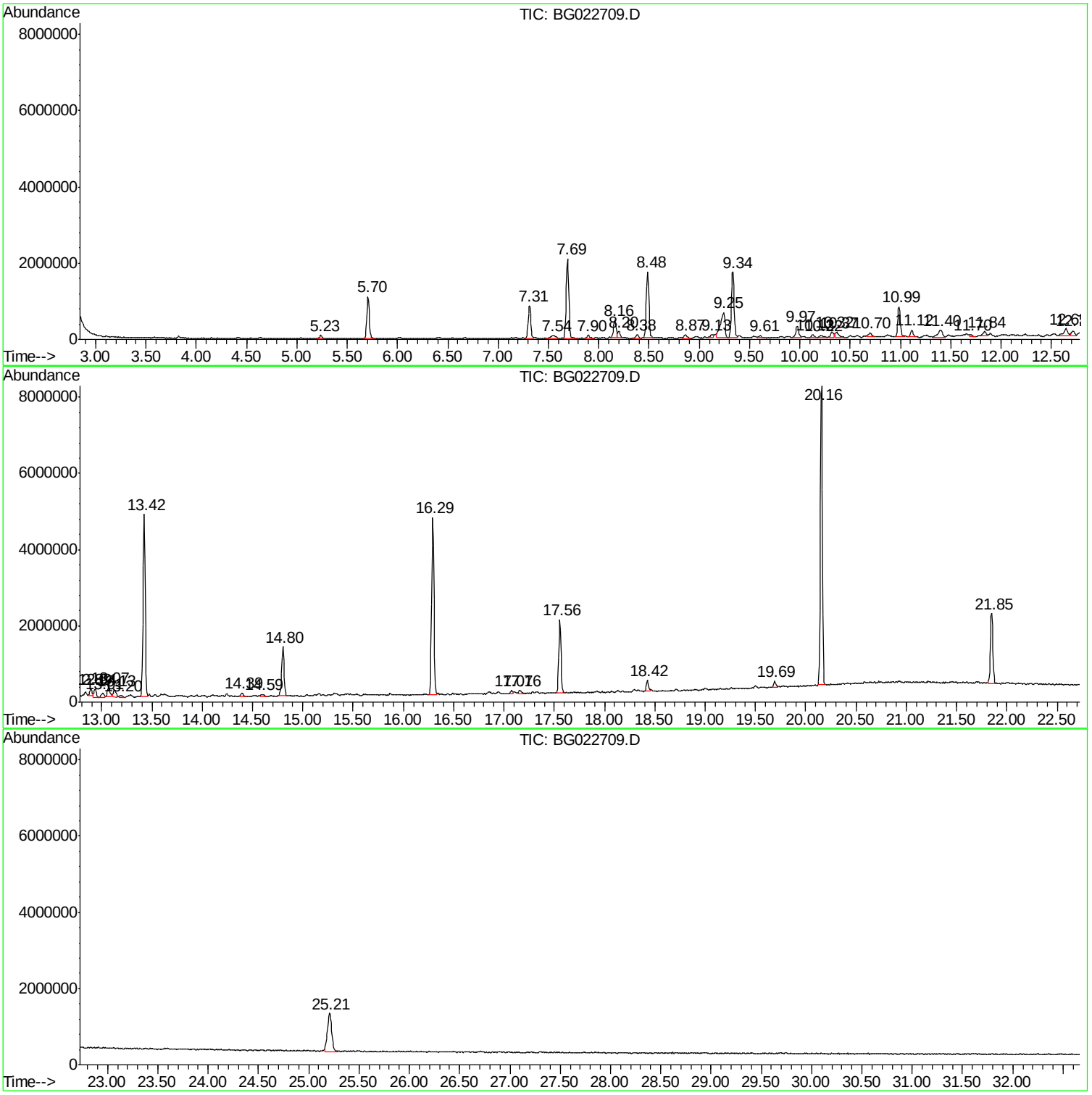
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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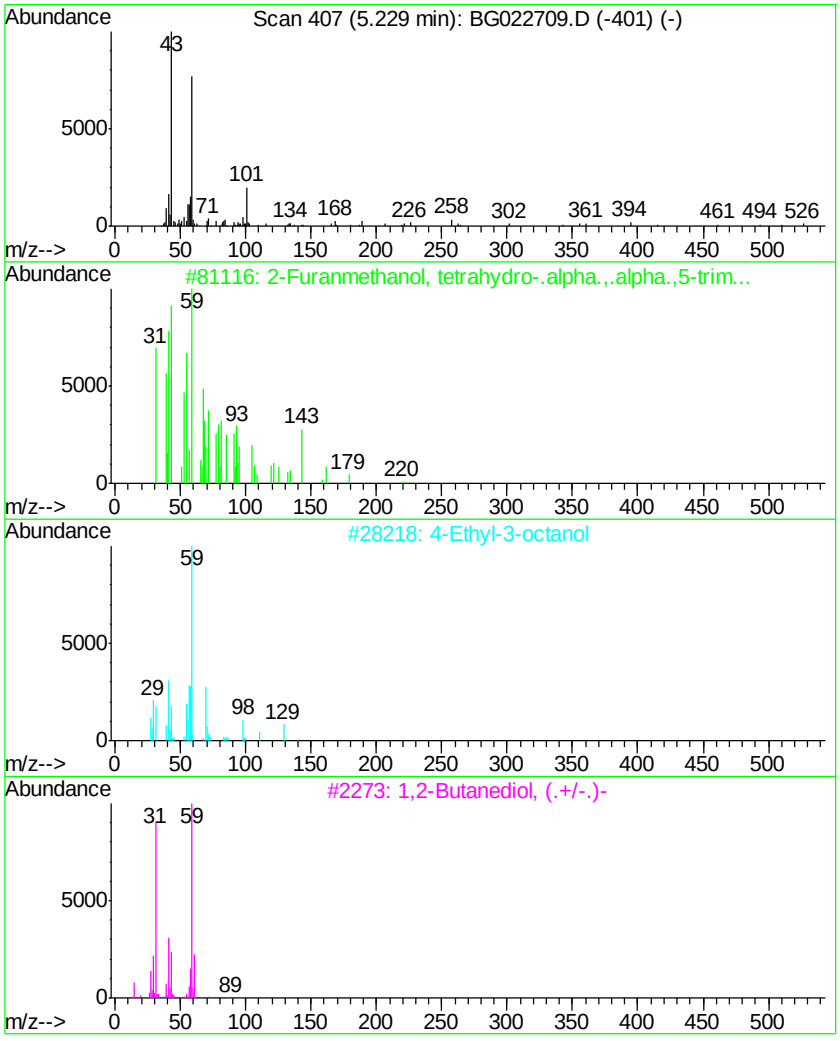
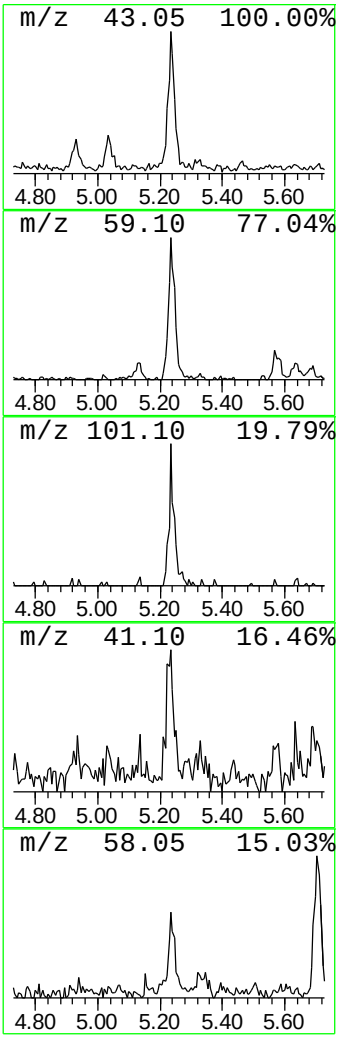
Peak Number 1 unknown5.23 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	3.29 ng	134917	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furanmethanol, tetrahydro-.alp...	238	C15H26O2	026184-88-3	43
2	4-Ethyl-3-octanol	158	C10H22O	019781-26-1	32
3	1,2-Butanediol, (.+/-.)-	90	C4H10O2	026171-83-5	23
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	23
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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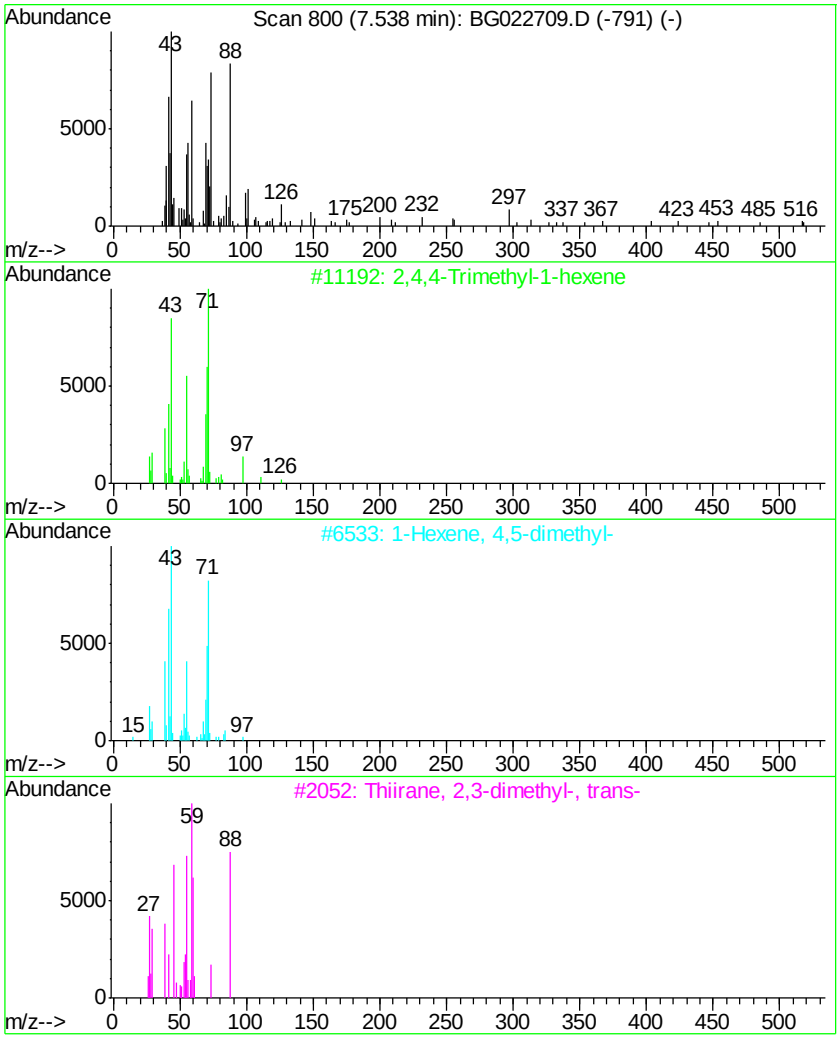
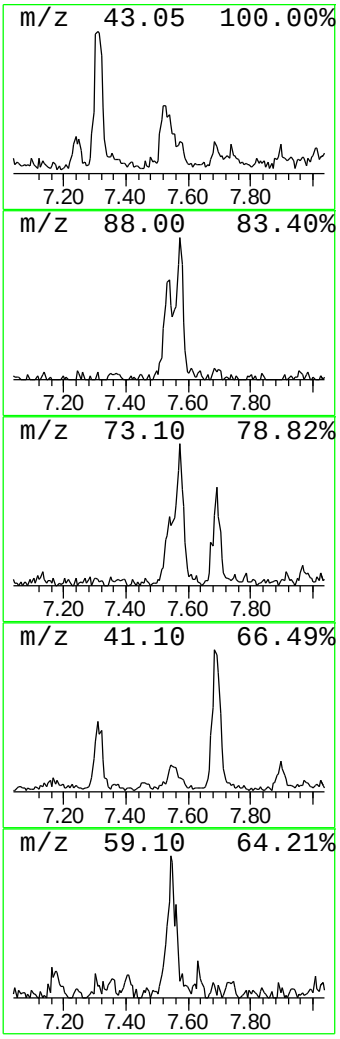
Peak Number 2 unknown6.48 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	6.48 ng	265731	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	35
2	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	25
3	Thiirane, 2,3-dimethyl-, trans-	88	C4H8S	005955-98-6	25
4	2-Decanone, 5,9-dimethyl-	184	C12H24O	033933-82-3	22
5	3-Hexanone, 4-ethyl-	128	C8H16O	006137-12-8	14





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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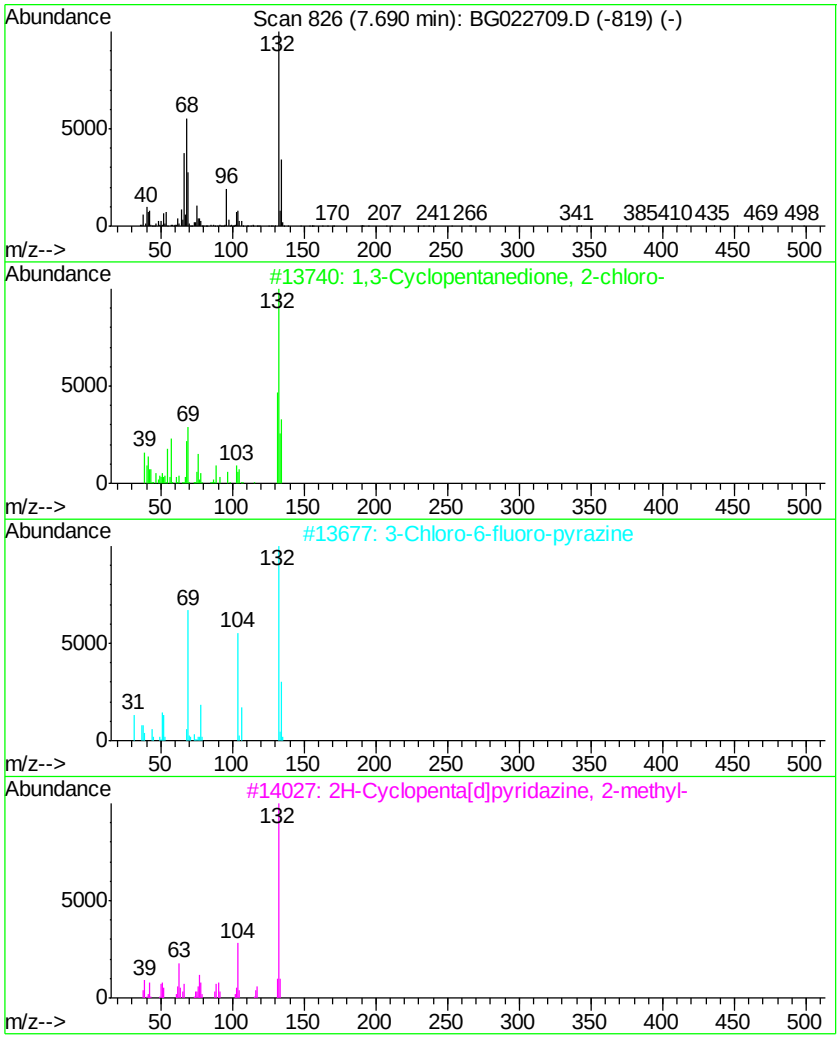
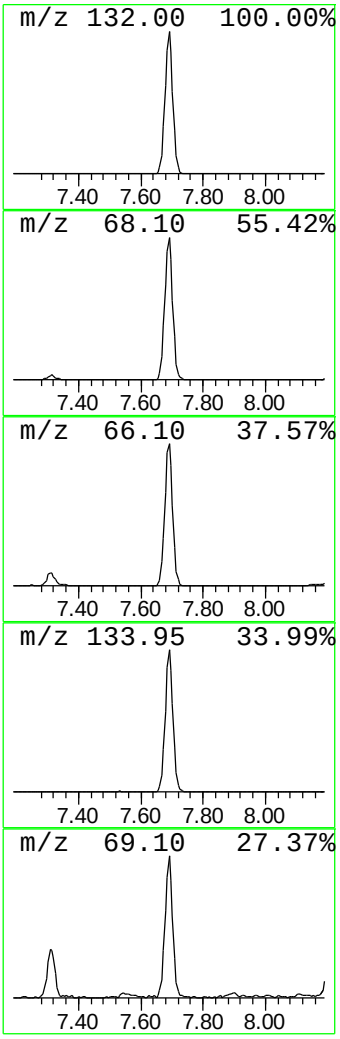
Peak Number 3 unknown7.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	91.37 ng	3749070	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	30
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	27
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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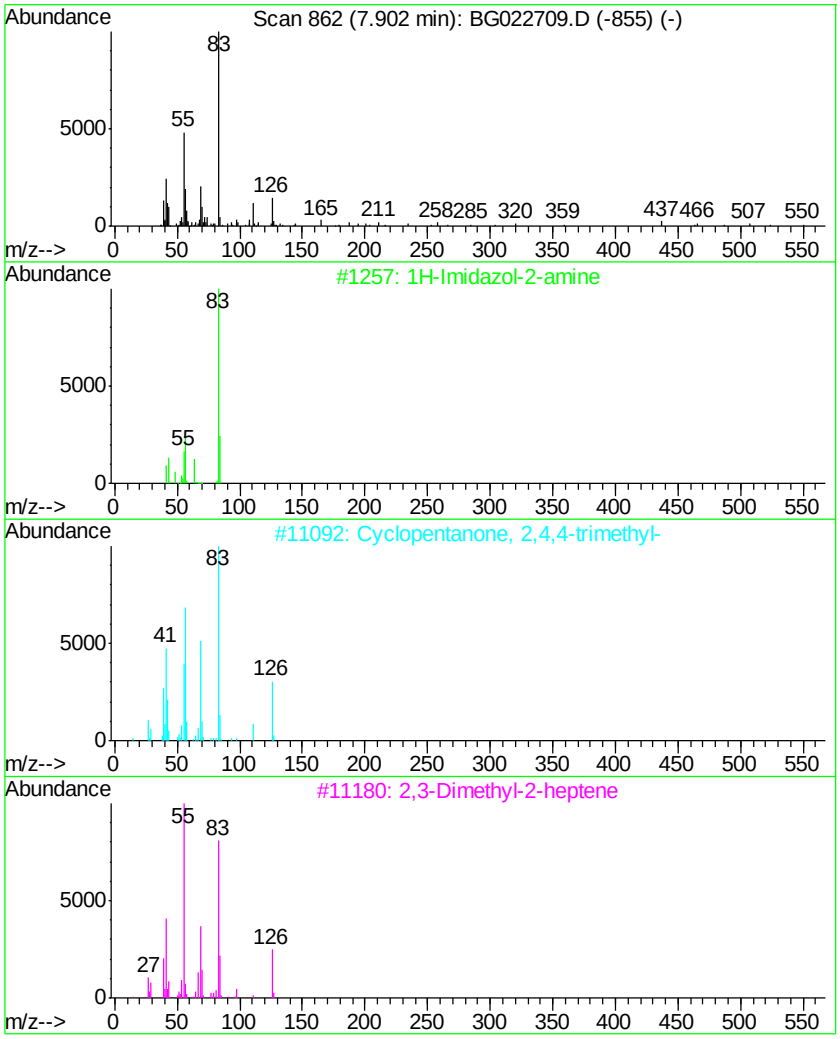
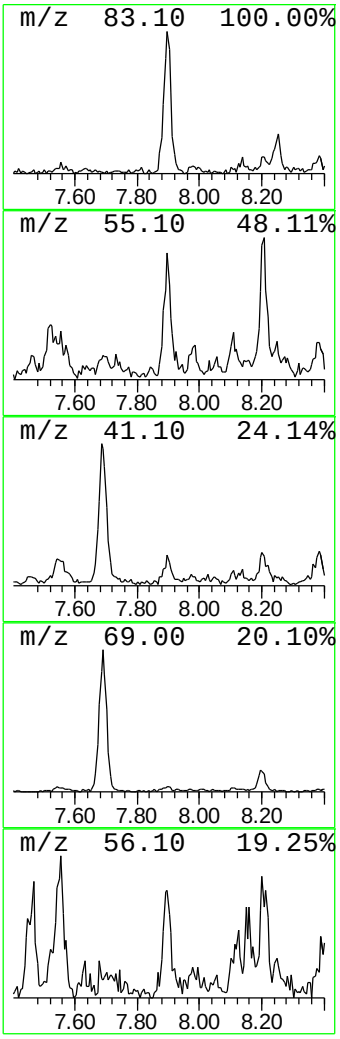
Peak Number 4 1H-Imidazol-2-amine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	4.07 ng	167162	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	50
2	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	40
3	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	40
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	37
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	28





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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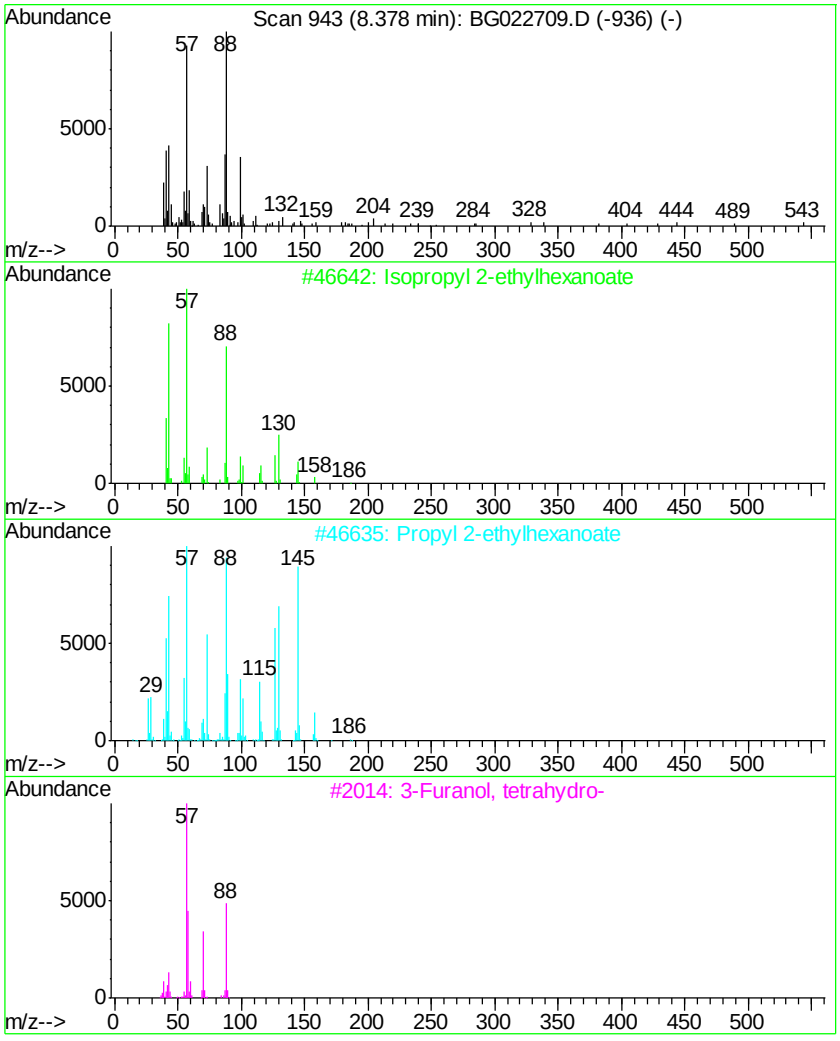
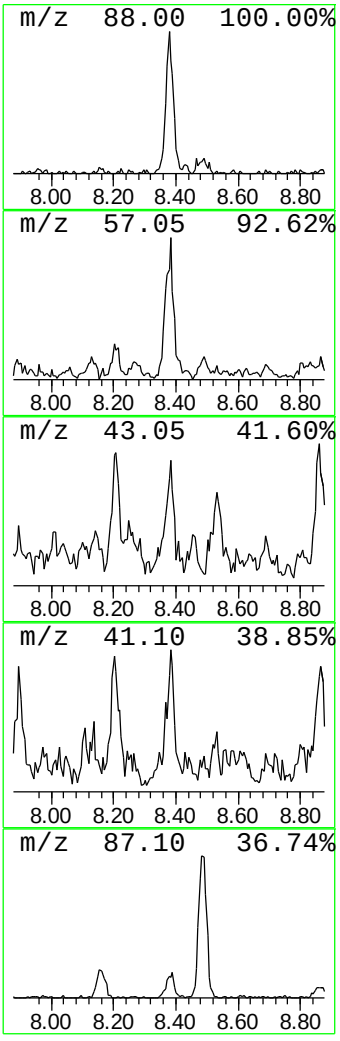
Peak Number 5 Isopropyl 2-ethylhexanoate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	4.49 ng	184187	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl 2-ethylhexanoate	186	C11H22O2	067024-46-8	59
2	Propyl 2-ethylhexanoate	186	C11H22O2	172354-89-1	36
3	3-Furanol, tetrahydro-	88	C4H8O2	000453-20-3	35
4	Pentanoic acid, 2-methyl-, methy...	130	C7H14O2	002177-77-7	25
5	Octanoic acid, 2-methyl-, methyl...	172	C10H20O2	002177-86-8	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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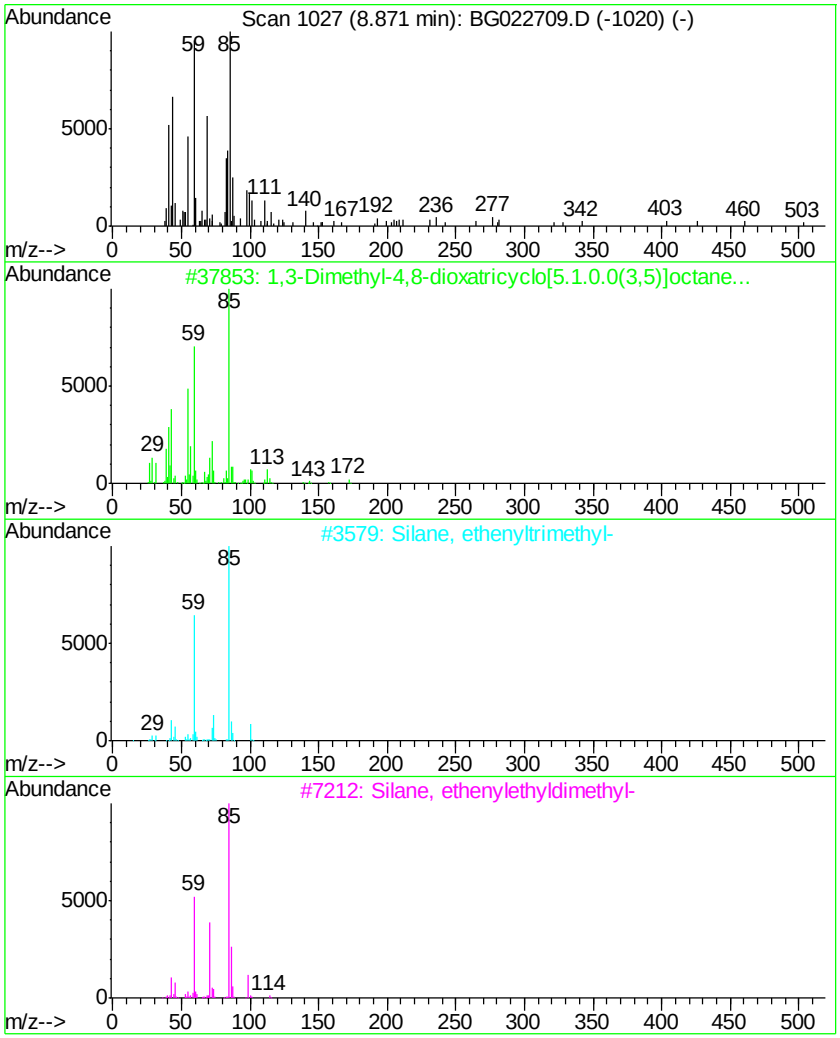
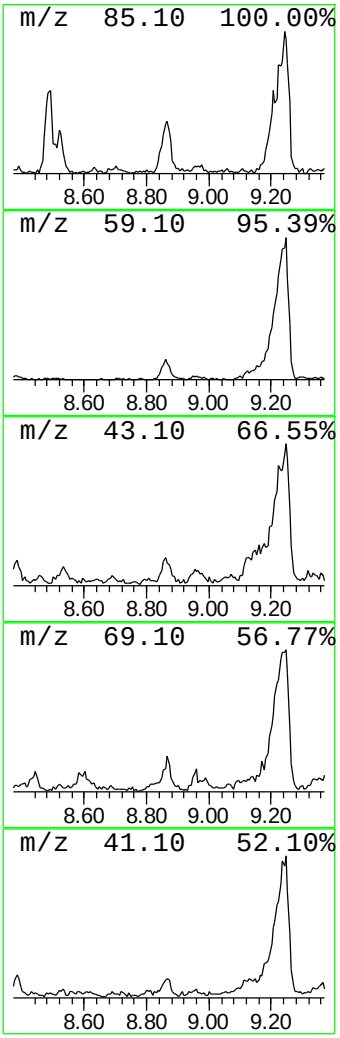
Peak Number 7 1,3-Dimethyl-4,8-dioxatricy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	5.42 ng	222238	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-4,8-dioxatricyclo[5...	172	C8H12O4	1000186-19-0	64
2	Silane, ethenyltrimethyl-	100	C5H12Si	000754-05-2	42
3	Silane, ethenylethyldimethyl-	114	C6H14Si	018163-06-9	40
4	Pentanoic acid, 4-hexadecyl ester	326	C21H42O2	1000282-86-4	32
5	Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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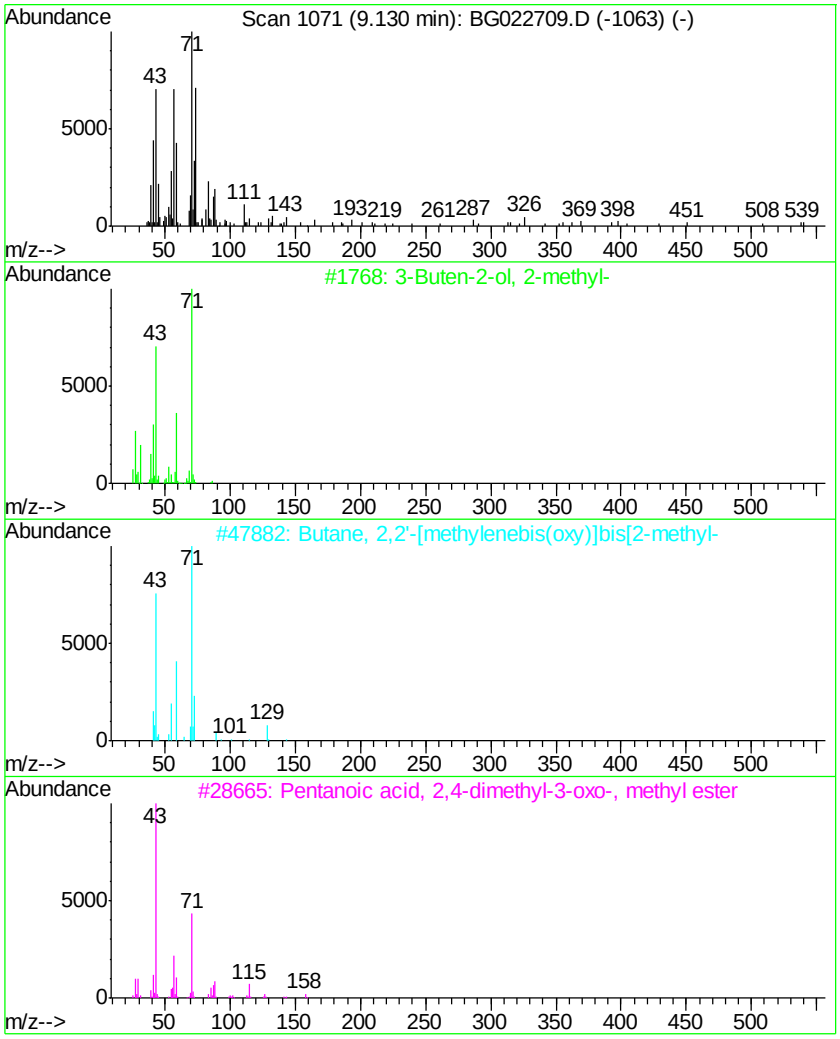
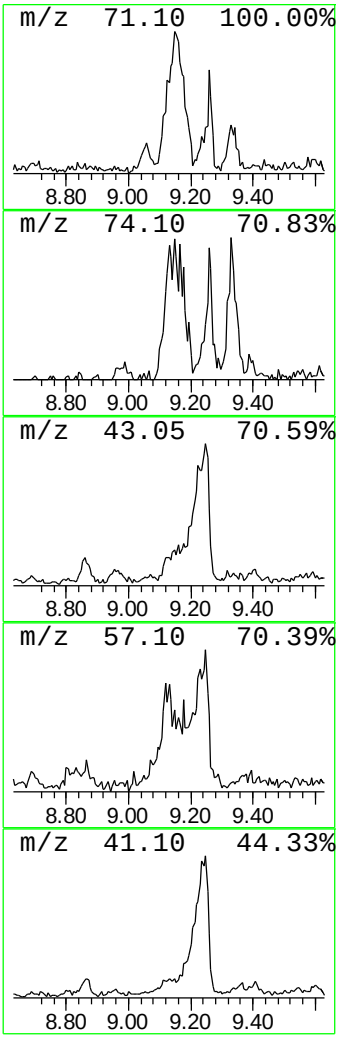
Peak Number 8 unknown9.13 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	3.71 ng	152207	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	46
2	Butane, 2,2'-[methylenebis(oxy)]...	188	C11H24O2	054699-28-4	40
3	Pentanoic acid, 2,4-dimethyl-3-o...	158	C8H14O3	059742-51-7	38
4	Ethanone, 1-(3-ethylcyclobutyl)-	126	C8H14O	056335-71-8	25
5	2-Butanol, 3-(2,2-dimethylpropoxy)-	160	C9H20O2	074793-66-1	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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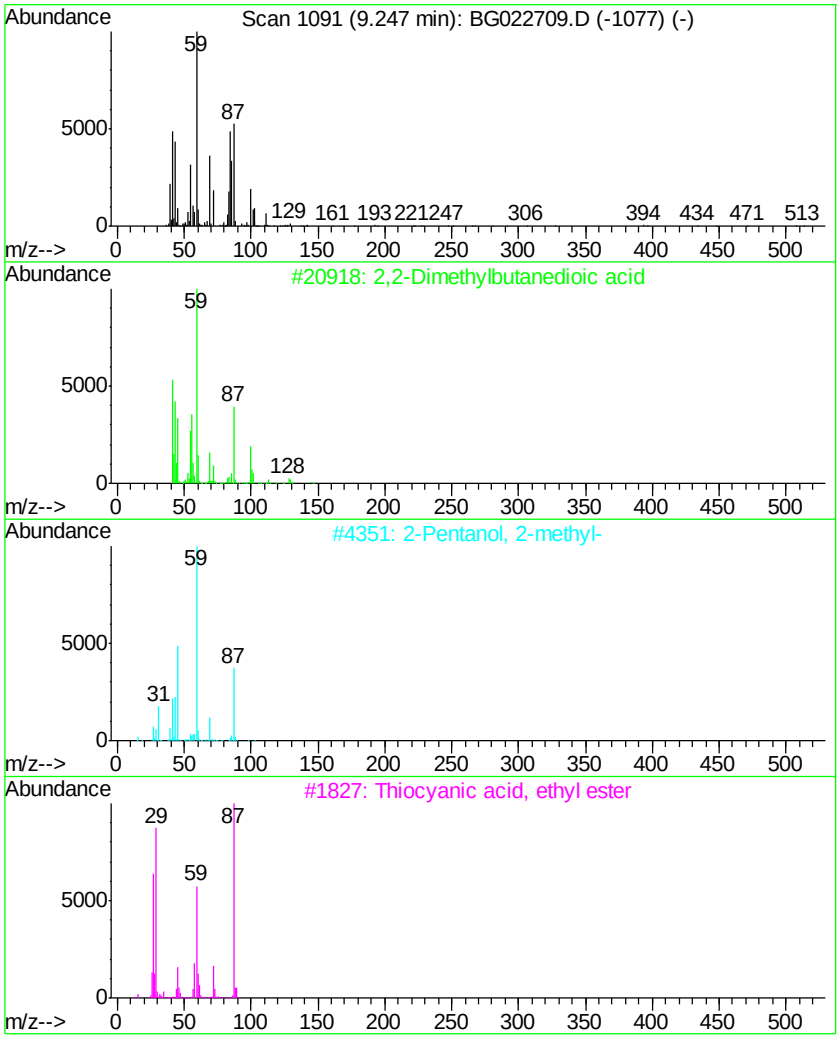
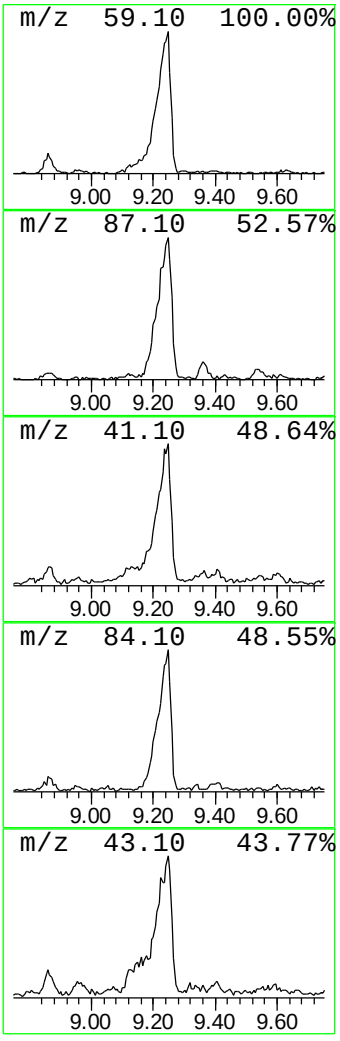
Peak Number 9 unknown9.25 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	52.87 ng	2169200	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylbutanedioic acid	146	C6H10O4	000597-43-3	42
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	37
3	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	37
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	32
5	Butane, 2-ethoxy-2-methyl-	116	C7H16O	000919-94-8	23





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Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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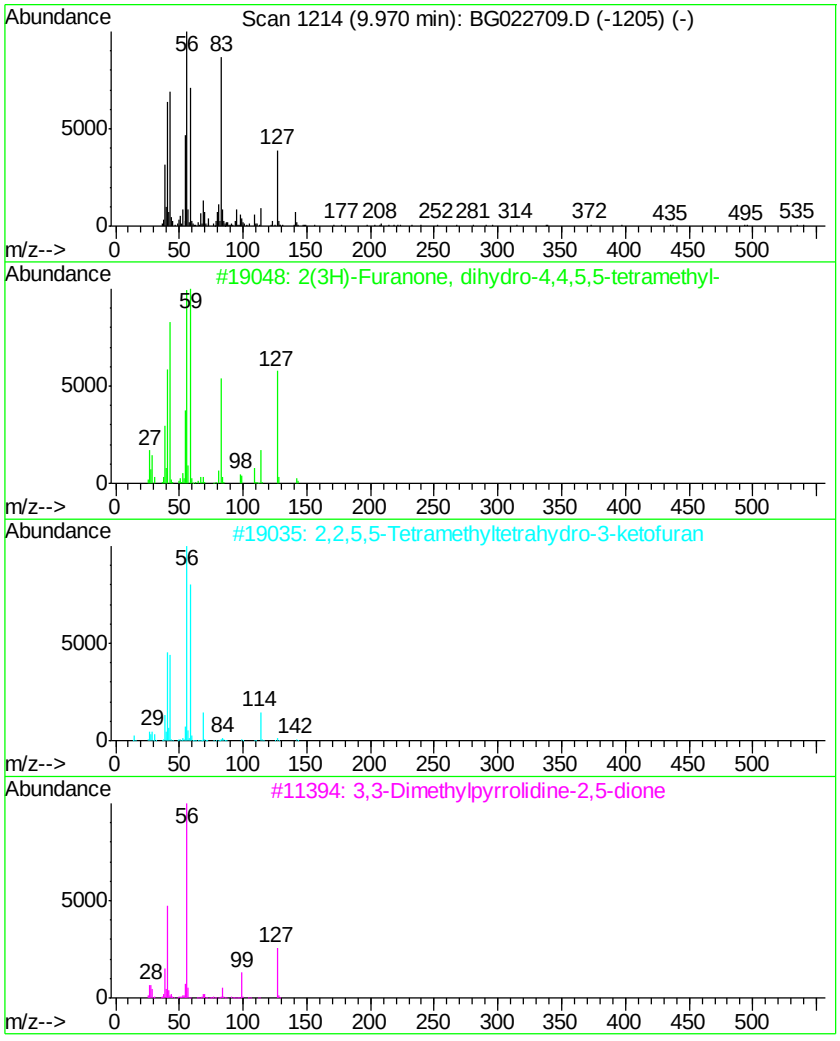
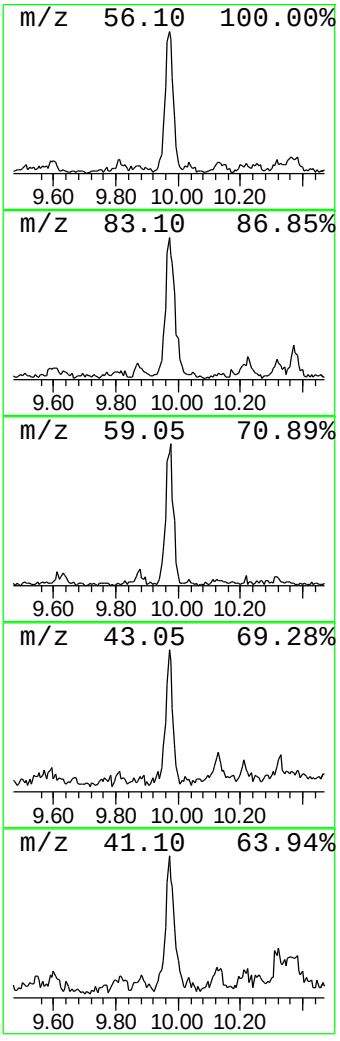
Peak Number 10 unknown9.97 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	9.13 ng	654023	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-4,4,5,5-...	142	C8H14O2	016466-24-3	46
2	2,2,5,5-Tetramethyltetrahydro-3-...	142	C8H14O2	005455-94-7	45
3	3,3-Dimethylpyrrolidine-2,5-dione	127	C6H9NO2	003437-29-4	35
4	5-Methyl-5-hexen-3-ol	114	C7H14O	067760-89-8	35
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	22





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Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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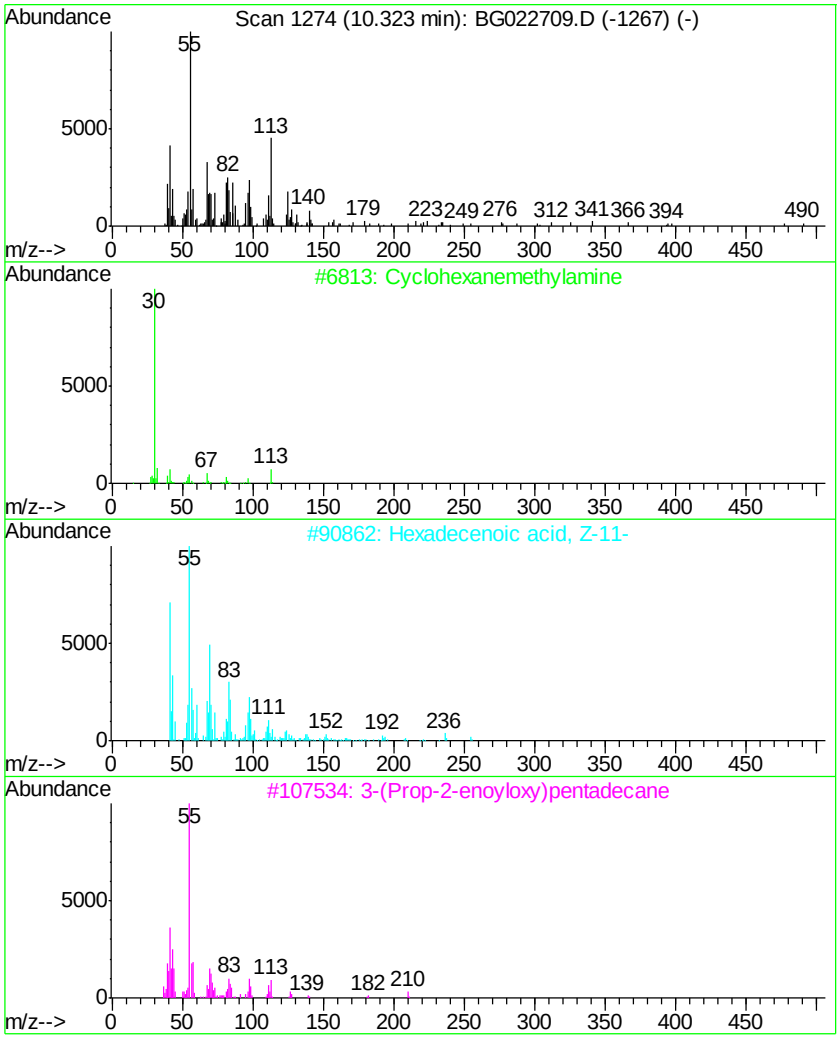
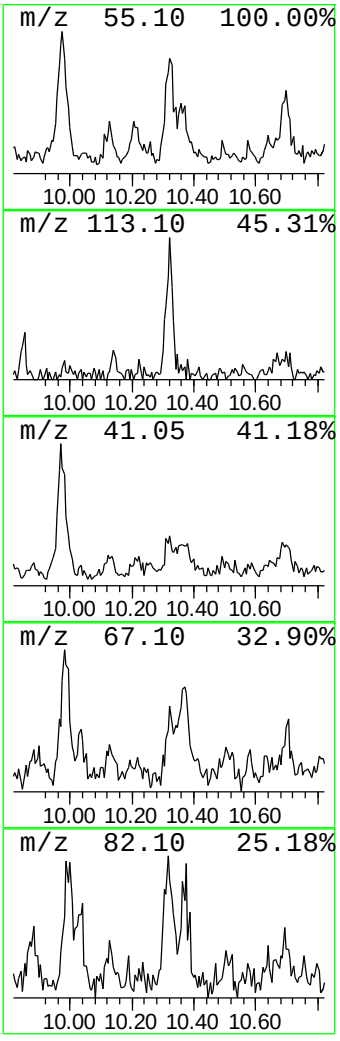
Peak Number 11 unknown10.32 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	4.14 ng	296470	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethylamine	113	C7H15N	003218-02-8	25
2	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	22
3	3-(Prop-2-enoyloxy)pentadecane	282	C18H34O2	1000245-67-4	22
4	Ricinoleic acid	298	C18H34O3	000141-22-0	16
5	4-Trifluoroacetoxytridecane	296	C15H27F3O2	1000245-47-3	12





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Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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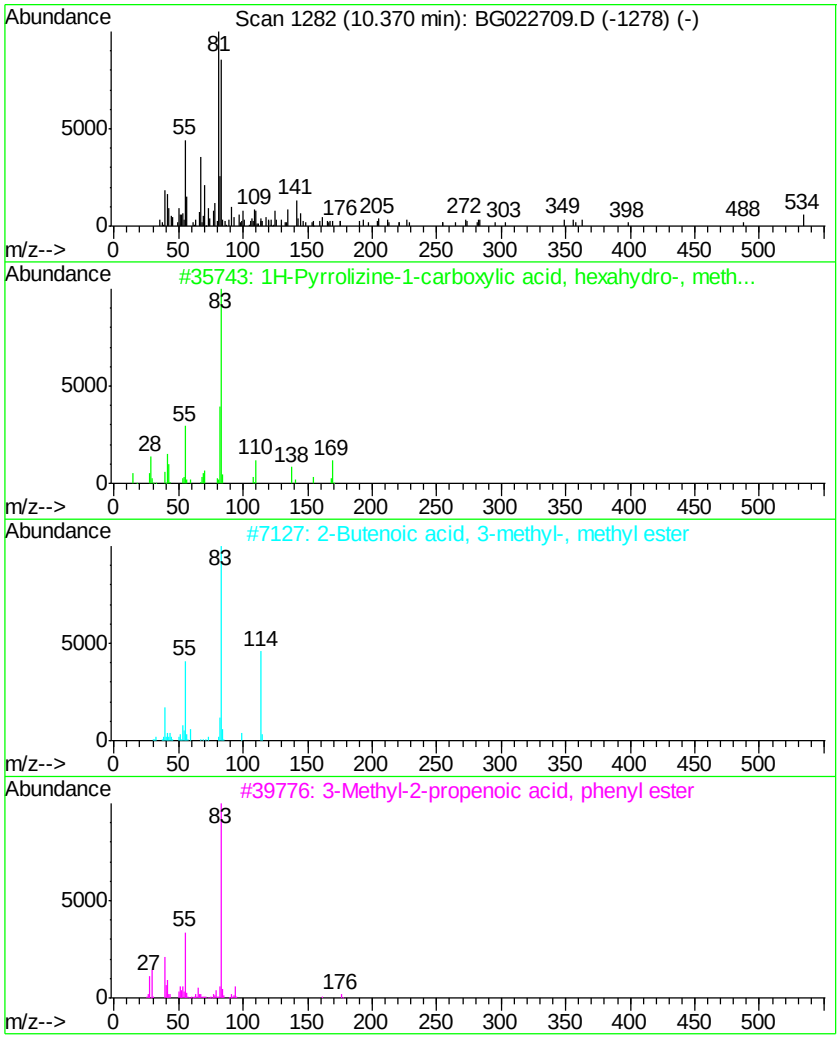
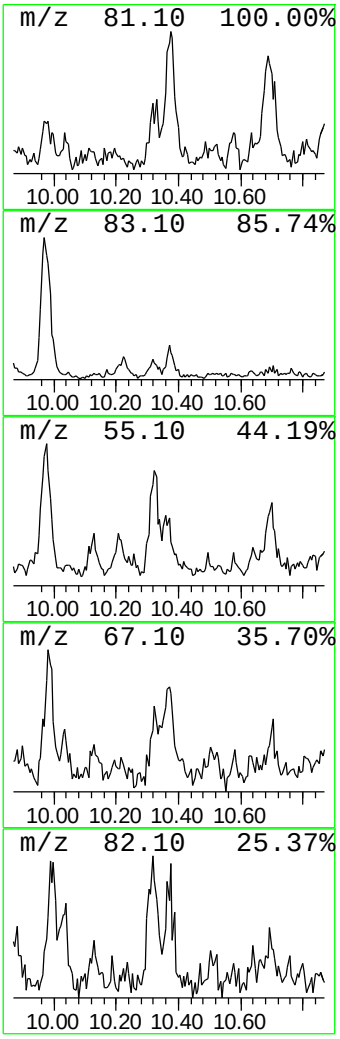
Peak Number 12 unknown10.37 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	4.71 ng	337813	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolizine-1-carboxylic acid...	169	C9H15NO2	054514-96-4	30
2	2-Butenoic acid, 3-methyl-, meth...	114	C6H10O2	000924-50-5	27
3	3-Methyl-2-propenoic acid, phenyl...	176	C11H12O2	054897-52-8	27
4	1-Pentadecyne	208	C15H28	000765-13-9	25
5	2-Bromopropionic acid, cyclohexy...	234	C9H15BrO2	015151-89-0	16





Library Search Compound Report

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Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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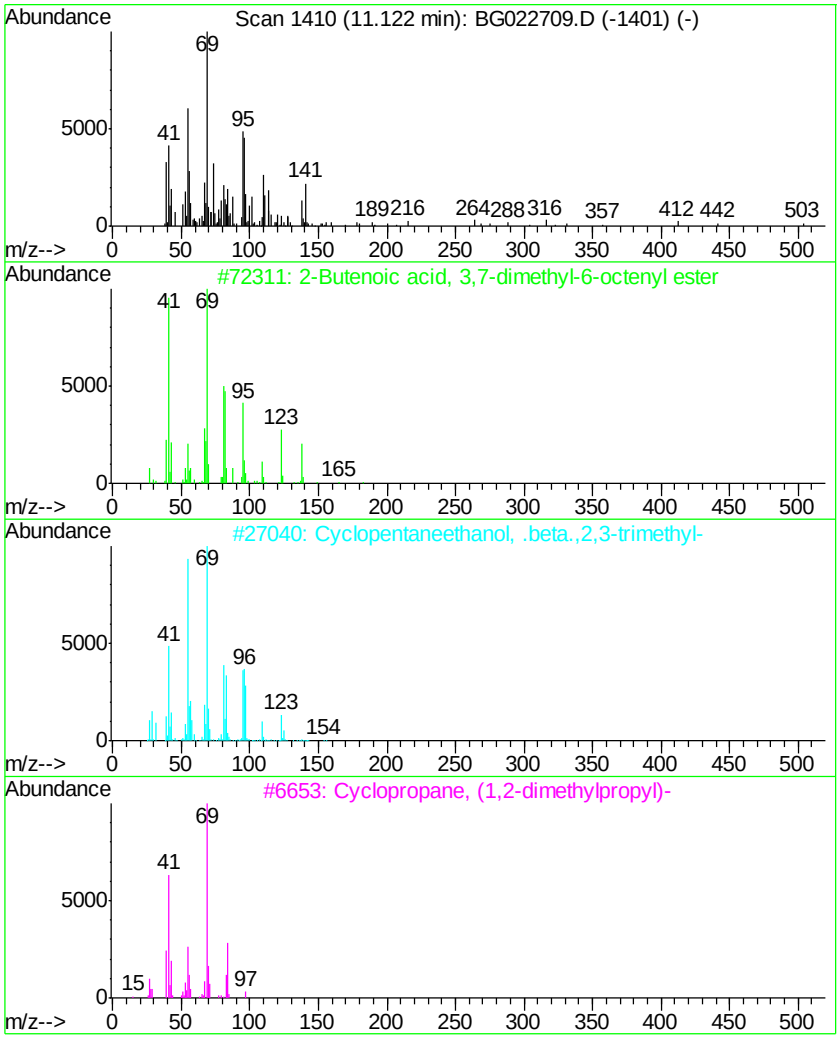
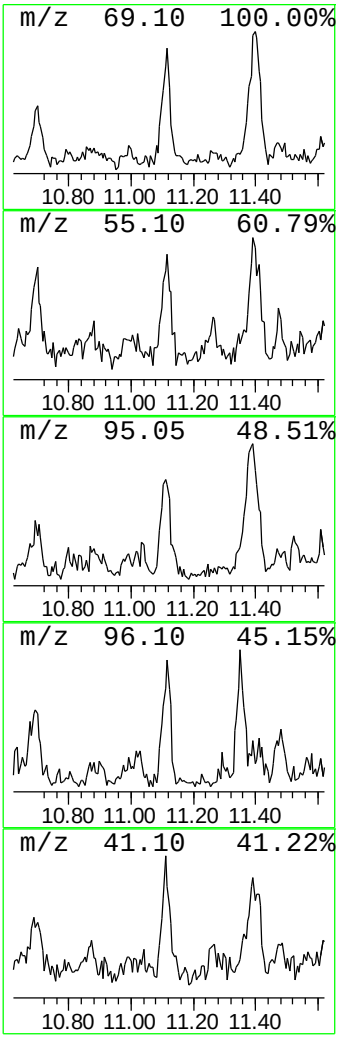
Peak Number 13 unknown11.12 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	4.73 ng	338700	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, 3,7-dimethyl-6-...	224	C14H24O2	068039-38-3	43
2	Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	42
3	Cyclopropane, (1,2-dimethylpropyl)-	112	C8H16	006976-27-8	38
4	2,10-Dodecadien-1-ol, 3,7,11-tri...	224	C15H28O	020576-59-4	38
5	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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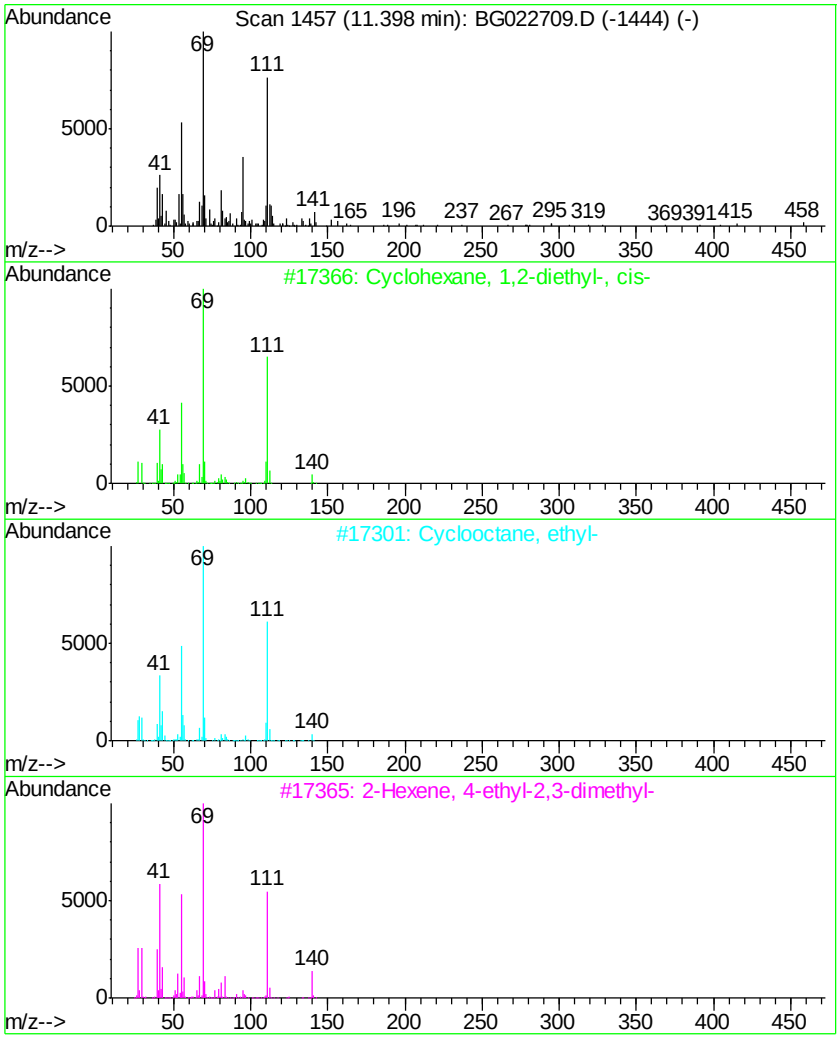
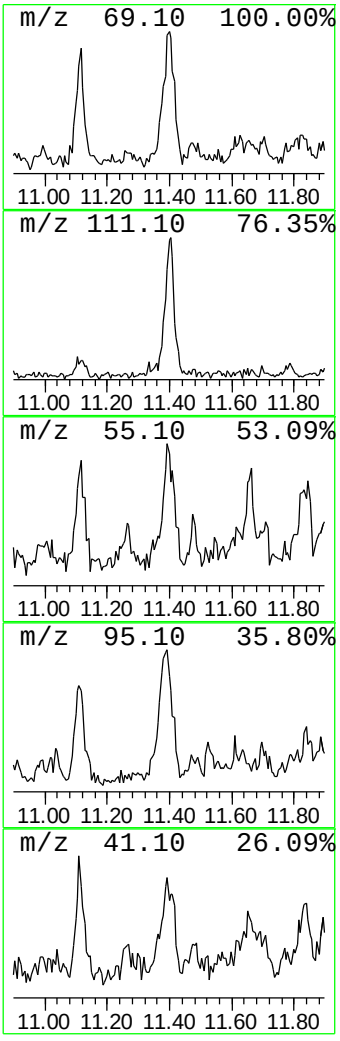
Peak Number 14 Cyclohexane, 1,2-diethyl-, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	8.00 ng	573336	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	64
2	Cyclooctane, ethyl-	140	C10H20	013152-02-8	64
3	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	64
4	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	59
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59





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Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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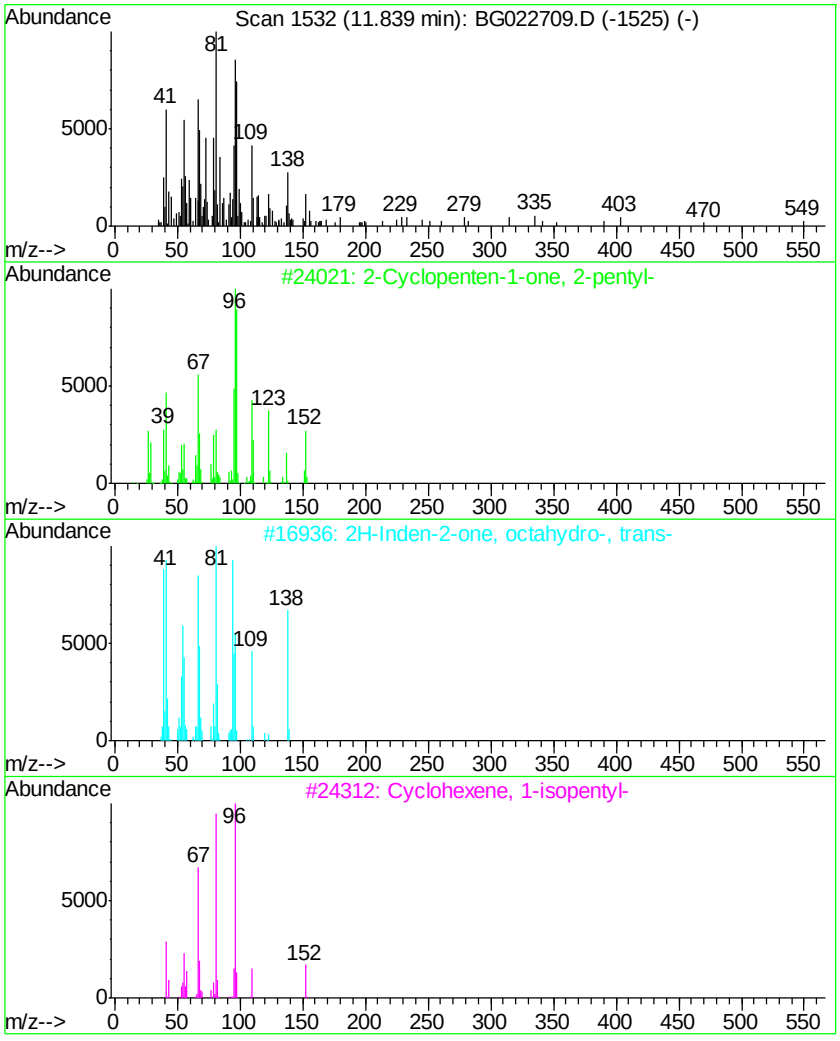
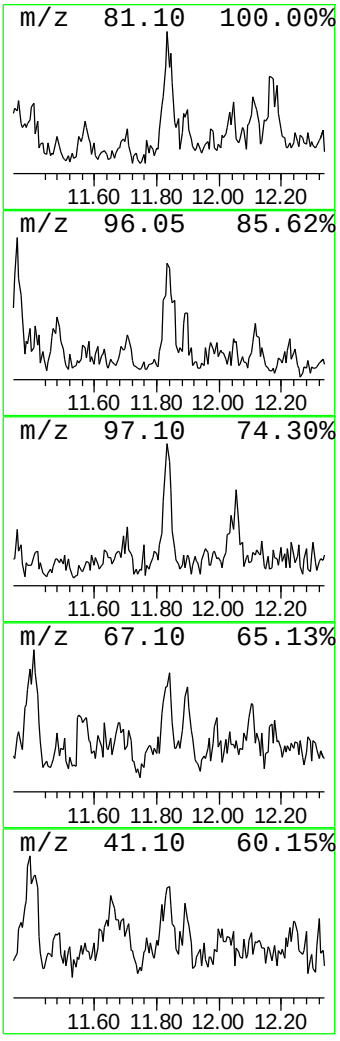
Peak Number 15 unknown11.84 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.40 ng	243372	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	46
2	2H-Inden-2-one, octahydro-, trans-	138	C9H14O	016484-17-6	43
3	Cyclohexene, 1-isopentyl-	152	C11H20	003983-04-8	43
4	1H-Indene, octahydro-5-methyl-	138	C10H18	019744-64-0	43
5	Ethylidenecyclooctane	138	C10H18	019780-51-9	43





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Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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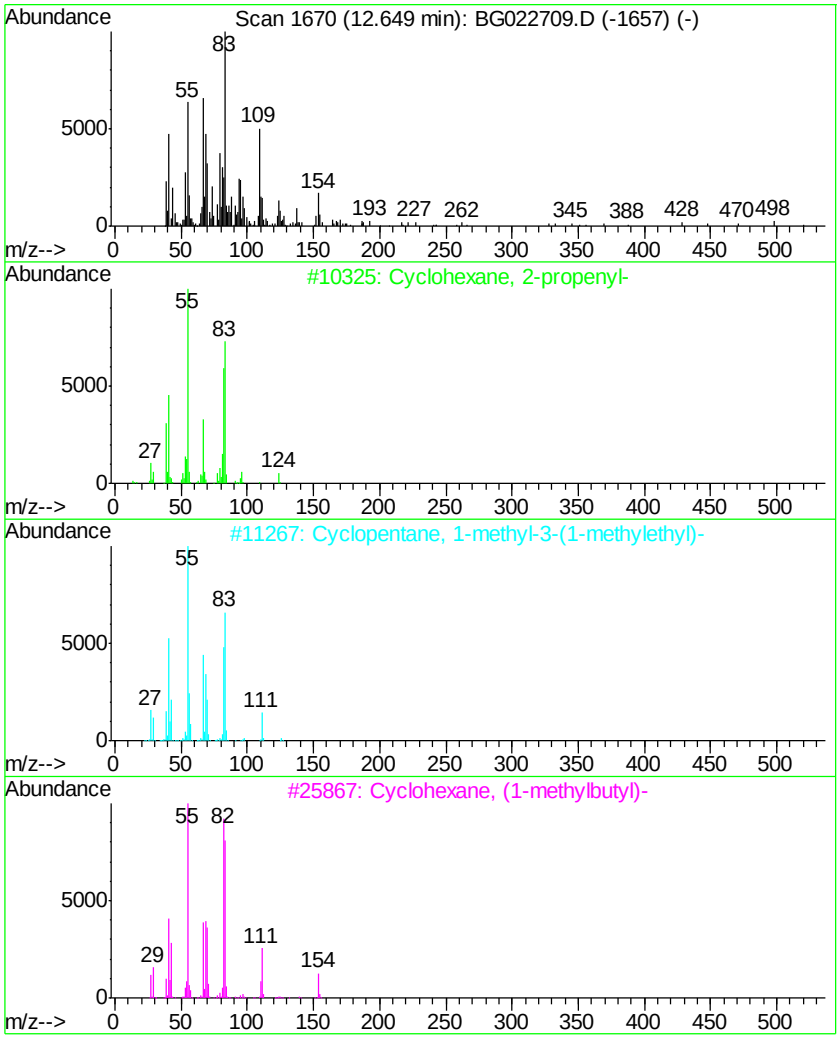
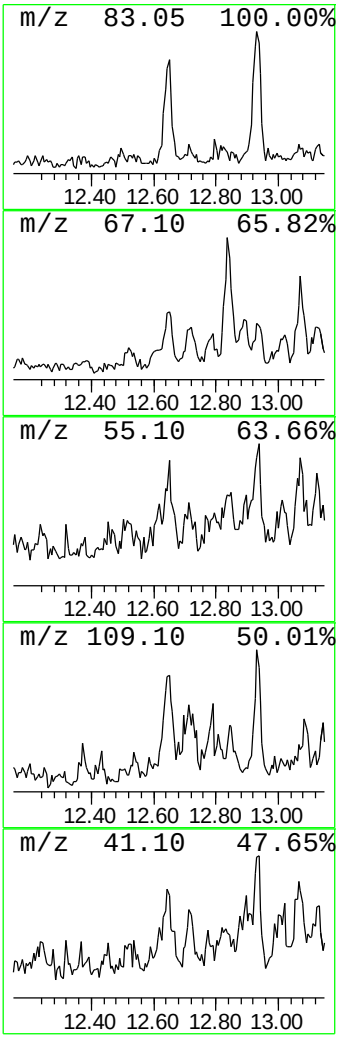
Peak Number 16 unknown12.65 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	6.32 ng	453095	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	46
2	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	43
3	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	43
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	42
5	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	019781-47-6	30





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Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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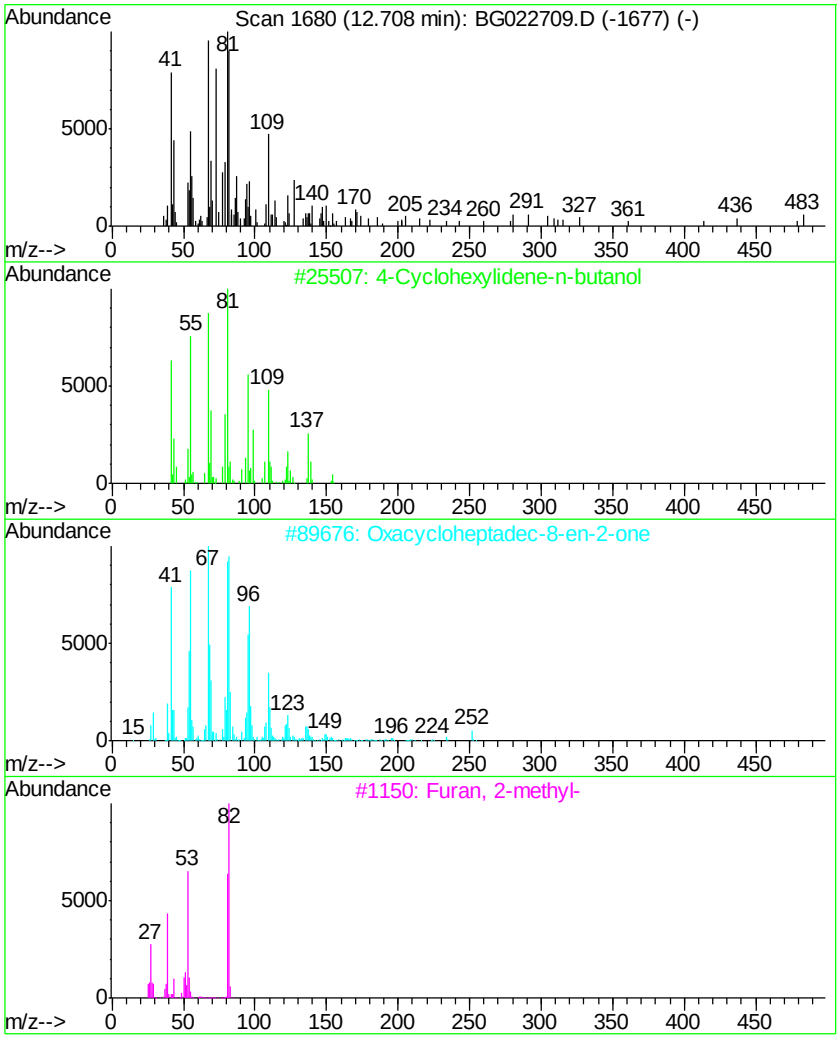
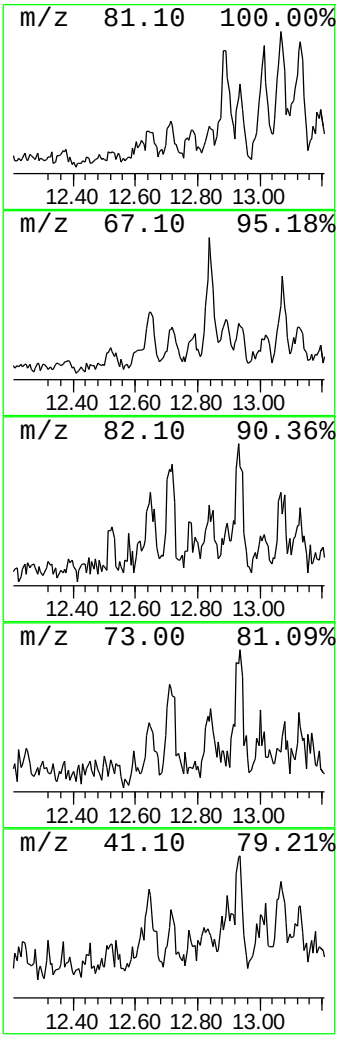
Peak Number 17 unknown12.71 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	3.02 ng	216068	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclohexylidene-n-butanol	154	C10H18O	004441-58-1	46
2	Oxacycloheptadec-8-en-2-one	252	C16H28O2	000123-69-3	43
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	38
4	6,11-Eicosadienoic acid, methyl ...	322	C21H38O2	1000112-13-3	38
5	Bicyclo[3.1.1]heptane-2-carboxal...	152	C10H16O	004764-14-1	35





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Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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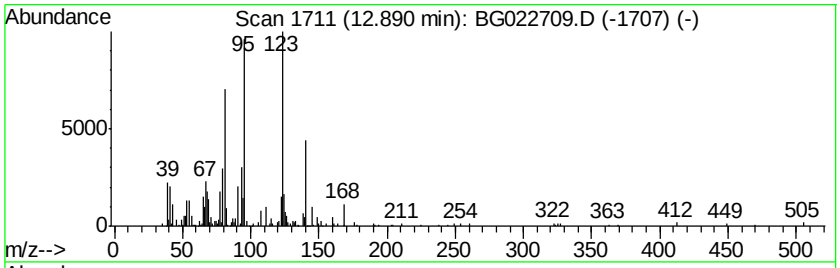
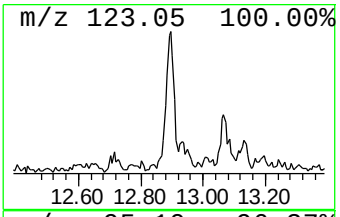
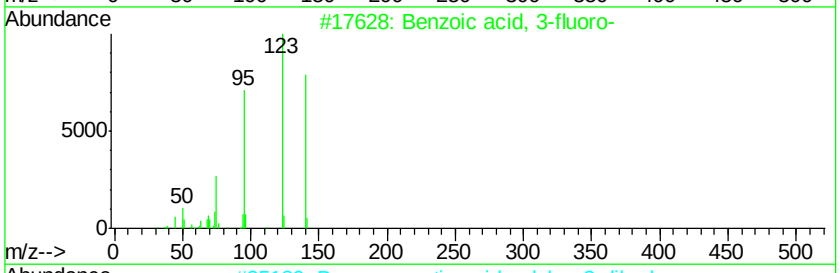
Peak Number 18 Benzoic acid, 3-fluoro- Concentration Rank 15

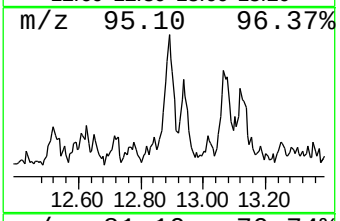
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	3.96 ng	283424	Naphthalene-d8	10.99

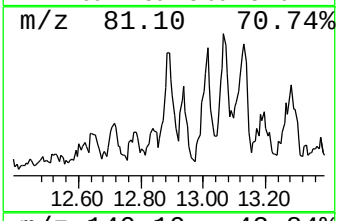
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-fluoro-	140	C7H5FO2	000455-38-9	64
2	Benzeneacetic acid, .alpha.,3-di...	168	C8H8O4	017119-15-2	59
3	Benzoic acid, 3-fluoro-, ethyl e...	168	C9H9FO2	000451-02-5	53
4	Benzoic acid, 4-fluoro-, ethyl e...	168	C9H9FO2	000451-46-7	43
5	trans-Siglure acid	140	C8H12O2	1000132-29-5	35

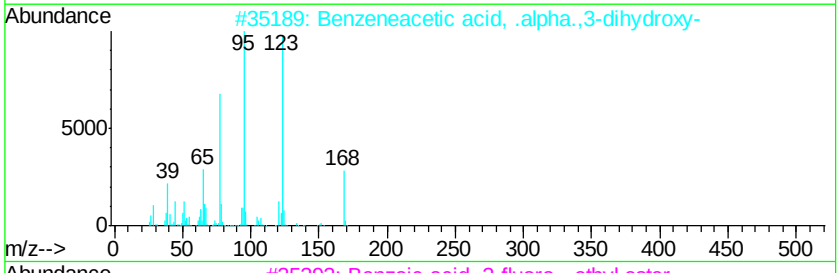


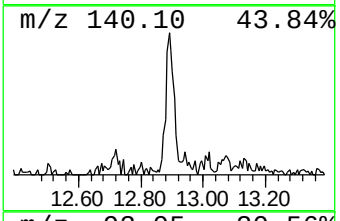


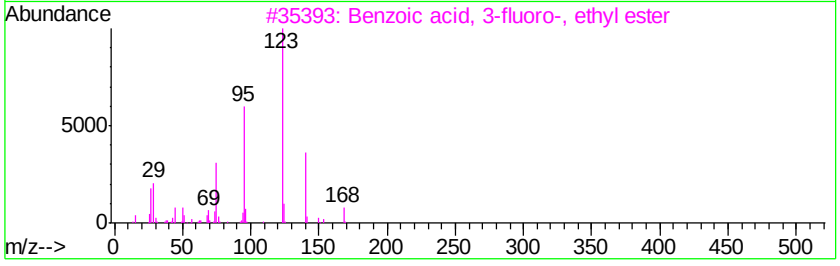


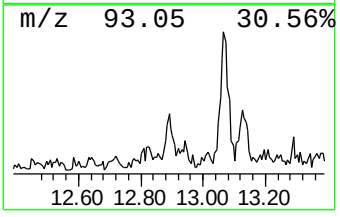












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Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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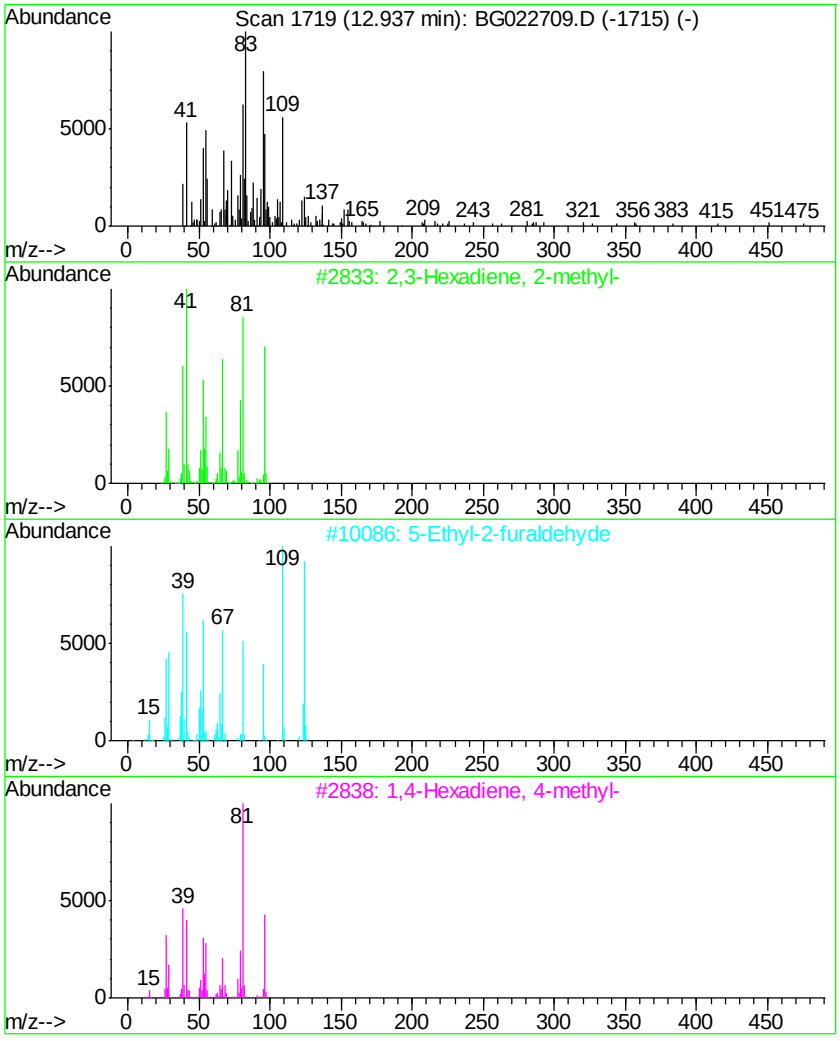
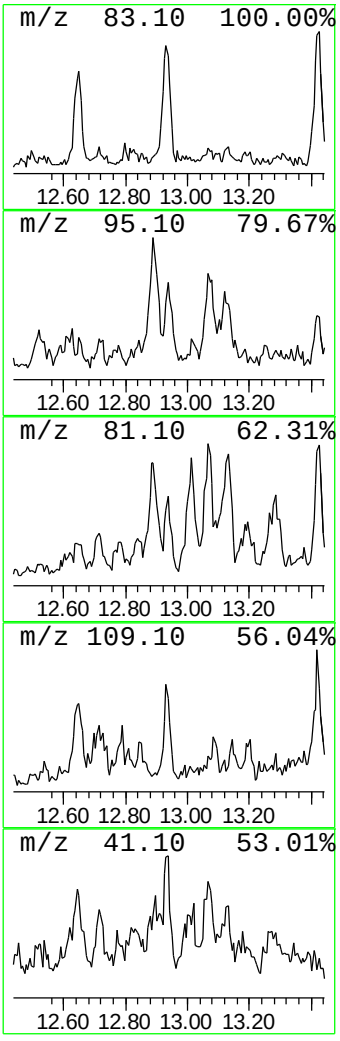
Peak Number 19 unknown12.94 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.53 ng	397351	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Hexadiene, 2-methyl-	96	C7H12	029212-09-7	43
2	5-Ethyl-2-furaldehyde	124	C7H8O2	023074-10-4	43
3	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	35
4	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	27
5	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

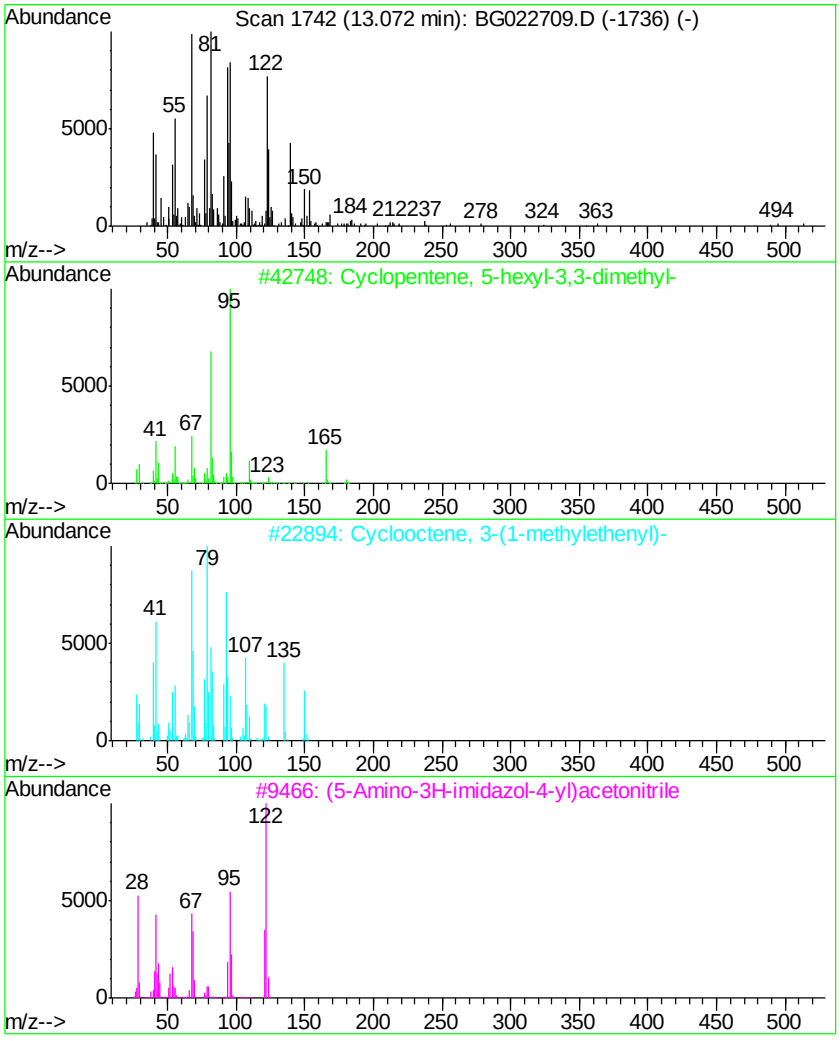
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

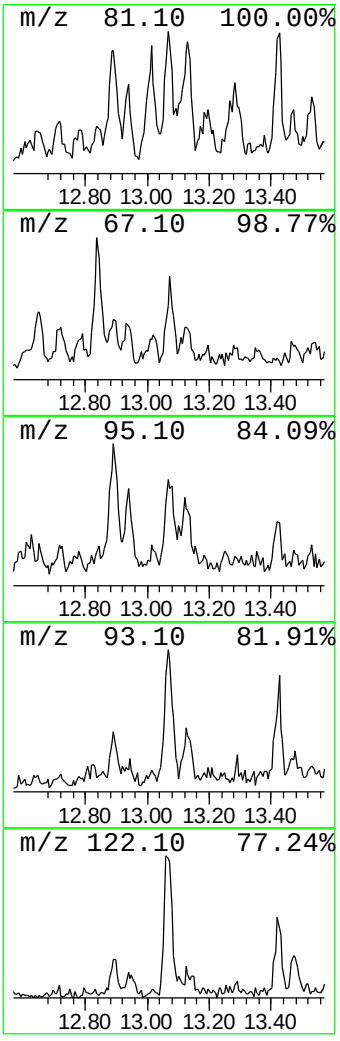
****

Peak Number 20 unknown13.07 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	4.16 ng	467696	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 5-hexyl-3,3-dimethyl-	180	C13H24	061142-66-3	27
2	Cyclooctene, 3-(1-methylethenyl)-	150	C11H18	061233-78-1	22
3	(5-Amino-3H-imidazol-4-yl)aceton...	122	C5H6N4	1000191-16-3	22
4	Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	22
5	1,3,5-Hexatriene, 3-methyl-, (E)-	94	C7H10	024587-26-6	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062916\
Data File : BG022709.D
Acq On : 30 Jun 2016 1:19
Operator : UM/SJ
Sample : H3828-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0580

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown5.23	5.23	3.3	ng	134917	1	8.16	820605	20.0
unknown6.48	7.54	6.5	ng	265731	1	8.16	820605	20.0
unknown7.69	7.69	91.4	ng	3749070	1	8.16	820605	20.0
1H-Imidazol-2-amine	7.90	4.1	ng	167162	1	8.16	820605	20.0
Isopropyl 2-ethyl...	8.38	4.5	ng	184187	1	8.16	820605	20.0
1,3-Dimethyl-4,8-...	8.87	5.4	ng	222238	1	8.16	820605	20.0
unknown9.13	9.13	3.7	ng	152207	1	8.16	820605	20.0
unknown9.25	9.25	52.9	ng	2169200	1	8.16	820605	20.0
unknown9.97	9.97	9.1	ng	654023	2	10.99	1432970	20.0
unknown10.32	10.32	4.1	ng	296470	2	10.99	1432970	20.0
unknown10.37	10.37	4.7	ng	337813	2	10.99	1432970	20.0
unknown11.12	11.12	4.7	ng	338700	2	10.99	1432970	20.0
Cyclohexane, 1,2-...	11.40	8.0	ng	573336	2	10.99	1432970	20.0
unknown11.84	11.84	3.4	ng	243372	2	10.99	1432970	20.0
unknown12.65	12.65	6.3	ng	453095	2	10.99	1432970	20.0
unknown12.71	12.71	3.0	ng	216068	2	10.99	1432970	20.0
Benzoic acid, 3-f...	12.89	4.0	ng	283424	2	10.99	1432970	20.0
unknown12.94	12.94	3.5	ng	397351	3	14.80	2250060	20.0
unknown13.07	13.07	4.2	ng	467696	3	14.80	2250060	20.0