LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.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	3.758	75	80	93	rVB	94188	168119	5.89%	0.727%
2	3.975	112	117	122	rBV	47457	80498	2.82%	0.348%
3	4.022	122	125	129	rVV	26093	36980	1.29%	0.160%
4	4.075	129	134	149	rVB	73324	146109	5.11%	0.632%
5	4.469	195	201	207	rBV2	22355	45740	1.60%	0.198%
6	4.539	207	213	214	rVV3	32301	54742	1.92%	0.237%
7	4.569	214	218	227	rVB	108582	178650	6.25%	0.772%
8	5.056	298	301	309	rVB2	15517	29753	1.04%	0.129%
9	5.168	309	320	323	rBV3	16459	35449	1.24%	0.153%
10	5.209	323	327	331	rVV2	24699	39179	1.37%	0.169%
11	5.262	331	336	342	rVB3	52188	92793	3.25%	0.401%
12	5.626	390	398	409	rBV	318781	545649	19.10%	2.359%
13	6.813	592	600	610	rBV8	11602	38202	1.34%	0.165%
14	7.230	662	671	683	rVV	206979	382274	13.38%	1.653%
15	7.336	683	689	695	rBV	50599	86577	3.03%	0.374%
16	7.471	706	712	719	rBV4	34309	78235	2.74%	0.338%
17	7.612	729	736	747	rVB	577799	1054073	36.90%	4.558%
18	7.947	781	793	796	rBV9	11918	35174	1.23%	0.152%
19	8.088	810	817	822	rBV	151428	263542	9.23%	1.139%
20	8.170	826	831	838	rVB2	74171	132081	4.62%	0.571%
21	8.411	849	872	876	rBV	743606	2408198	84.30%	10.412%
22	8.452	876	879	889	rVV2	696988	1177080	41.21%	5.089%
23	8.564	892	898	905	rVB	124398	224008	7.84%	0.969%
24	8.717	917	924	930	rBV4	36314	75513	2.64%	0.327%
25	9.169	980	1001	1006	rBV7	272698	1690953	59.20%	7.311%
26	9.228	1006	1011	1012	rVV	351104	648551	22.70%	2.804%
27	9.263	1012	1017	1024	rVB2	782039	1502645	52.60%	6.497%
28	9.410	1037	1042	1050	rVB8	13755	34834	1.22%	0.151%
29	9.710	1088	1093	1100	rBV	18621	32191	1.13%	0.139%
30	9.862	1107	1119	1121	rBV	59791	125961	4.41%	0.545%
31	9.898	1121	1125	1132	rVV2	134972	243684	8.53%	1.054%
32	9.962	1132	1136	1145	rVB3	20610	42590	1.49%	0.184%
33	10.074	1148	1155	1160	rBV4	13894	29619	1.04%	0.128%
34	10.133	1160	1165	1181	rVB4	46039	129068	4.52%	0.558%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.286	1181	1191	1202	rVB	180877	352505	12.34%	1.524%
36	10.908	1285	1297	1308	rVB	201722	459011	16.07%	1.985%
37	11.002	1308	1313	1316	rBV	28757	51830	1.81%	0.224%
38	11.196	1340	1346	1355	rVB5	15787	40978	1.43%	0.177%
39	11.490	1390	1396	1399	rBV6	15605	35623	1.25%	0.154%
40	11.555	1402	1407	1410	rVV3	30444	65226	2.28%	0.282%
41	11.584	1410	1412	1419	rVB4	38429	62138	2.18%	0.269%
42	11.807	1442	1450	1457	rBV4	19520	43210	1.51%	0.187%
43	12.166	1506	1511	1515	rBV3	15143	28620	1.00%	0.124%
44	12.277	1525	1530	1537	rVB6	20621	42997	1.51%	0.186%
45	12.354	1538	1543	1551	rBV10	18040	44816	1.57%	0.194%
46	12.771	1610	1614	1620	rVB4	35005	57278	2.01%	0.248%
47	12.835	1620	1625	1636	rVB4	16551	46358	1.62%	0.200%
48	12.935	1636	1642	1647	rBV	30627	57523	2.01%	0.249%
49	13.059	1658	1663	1670	rVB5	19240	38035	1.33%	0.164%
50	13.341	1703	1711	1719	rBV	1278812	2054793	71.93%	8.884%
51	14.722	1937	1946	1955	rBV2	342506	587141	20.55%	2.539%
52	15.344	2044	2052	2058	rBV2	23557	59461	2.08%	0.257%
53	15.615	2094	2098	2104	rVB	32131	48876	1.71%	0.211%
54	16.208	2193	2199	2211	rBV3	917828	1506035	52.72%	6.512%
55	16.408	2228	2233	2239	rBV	46324	75438	2.64%	0.326%
56	17.465	2407	2413	2423	rVB2	425443	688026	24.09%	2.975%
57	18.323	2552	2559	2566	rBV2	50484	86635	3.03%	0.375%
58	19.592	2769	2775	2781	rBV7	31183	54300	1.90%	0.235%
59	20.068	2848	2856	2865	rBV	2111378	2856558	100.00%	12.351%
60	21.754	3135	3143	3151	rBV	442697	755098	26.43%	3.265%
61	22.524	3267	3274	3278	rBV3	18684	35336	1.24%	0.153%
62	23.223	3387	3393	3403	rVB2	28249	58313	2.04%	0.252%
63	24.046	3524	3533	3542	rBV3	33486	84302	2.95%	0.365%
64	25.074	3692	3708	3721	rVB3	244863	800784	28.03%	3.462%
65	26.179	3887	3896	3906	rVB3	19103	62010	2.17%	0.268%

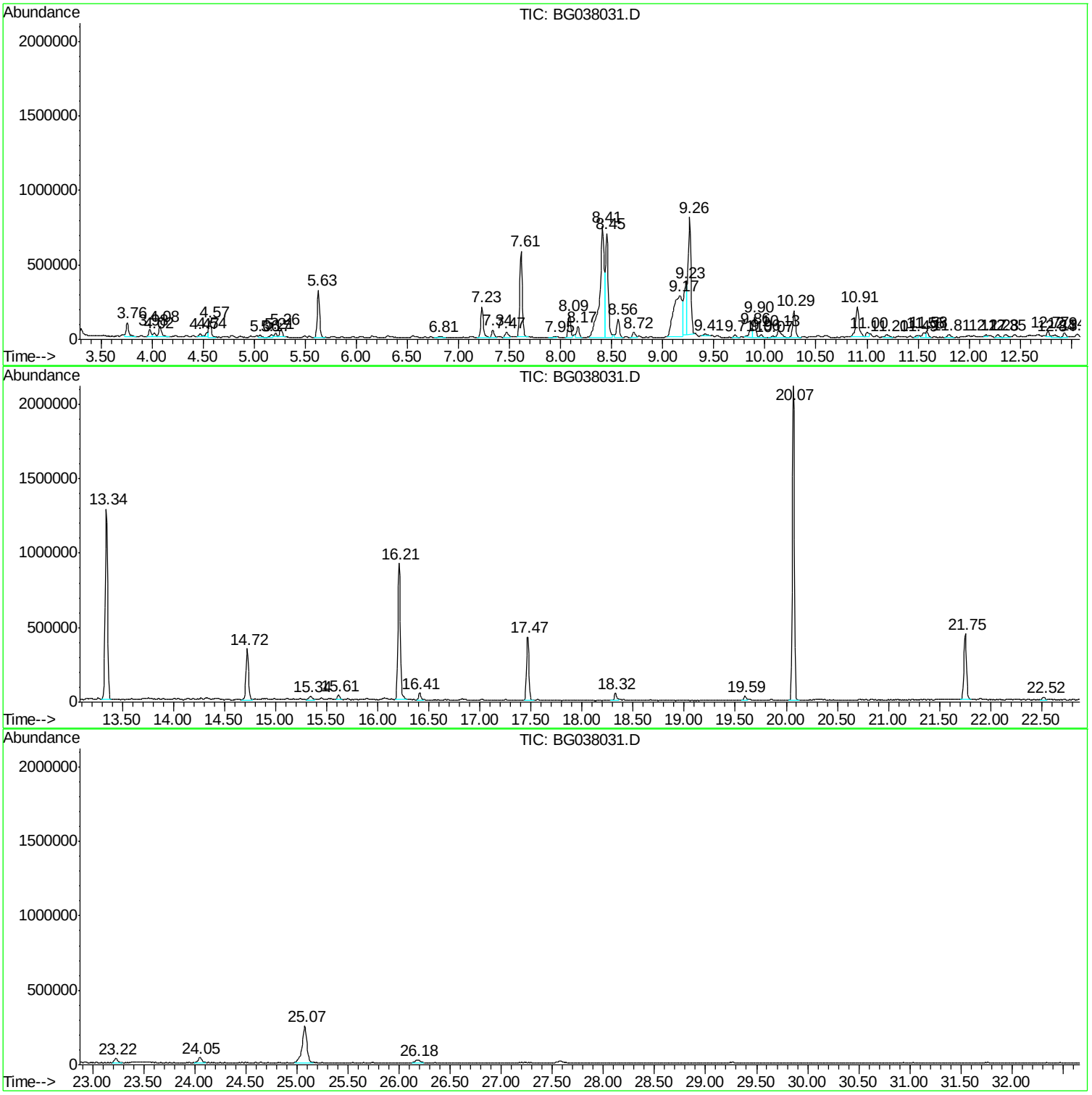
Sum of corrected areas: 23127968

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

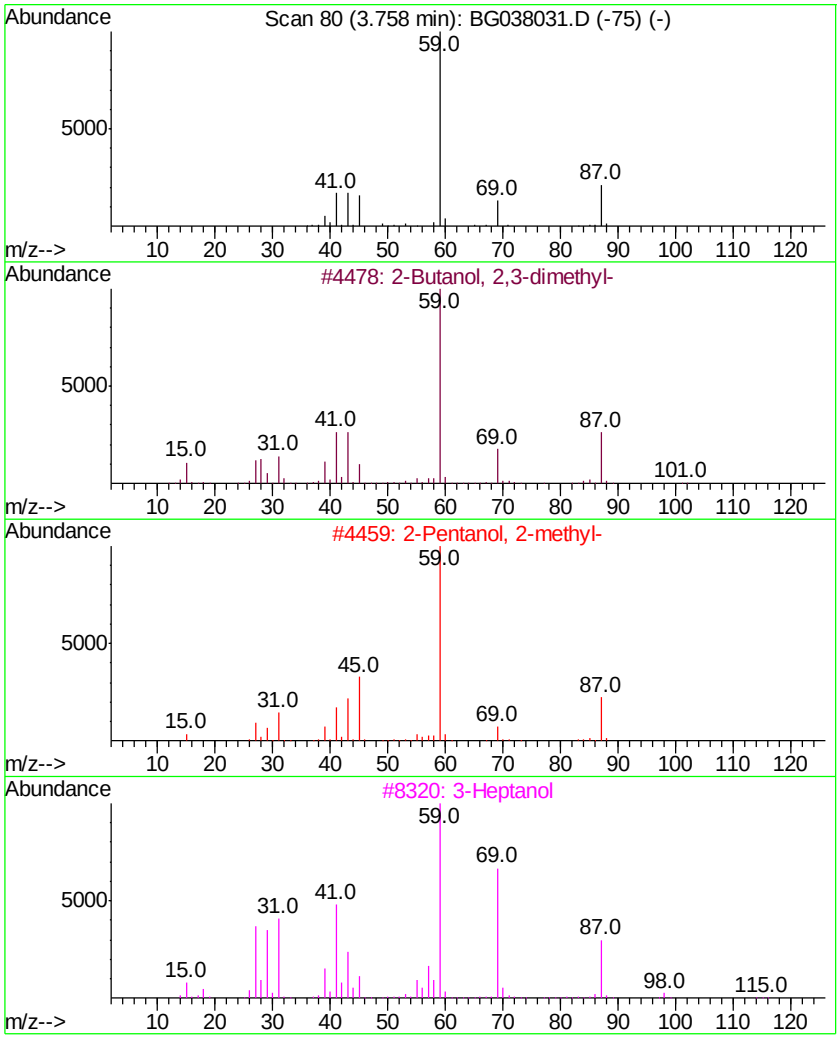
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

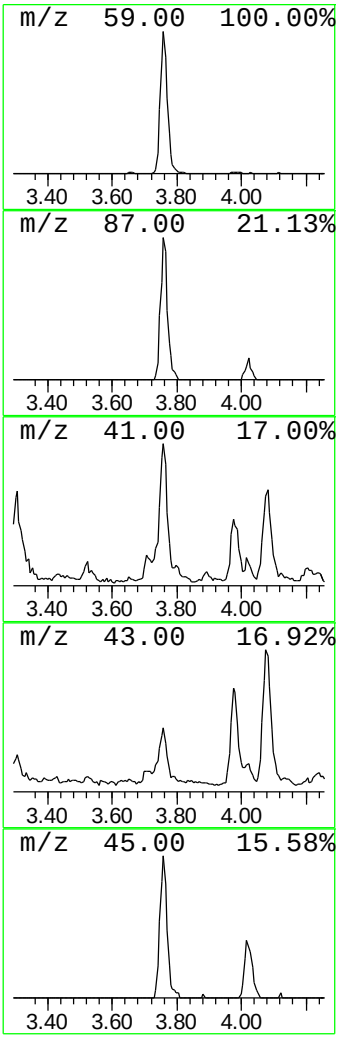
****

Peak Number 1 2-Butanol, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	12.76 ng	168119	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	64
3	3-Heptanol	116	C7H16O	000589-82-2	40
4	Butane, 2-methoxy-	88	C5H12O	006795-87-5	9
5	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

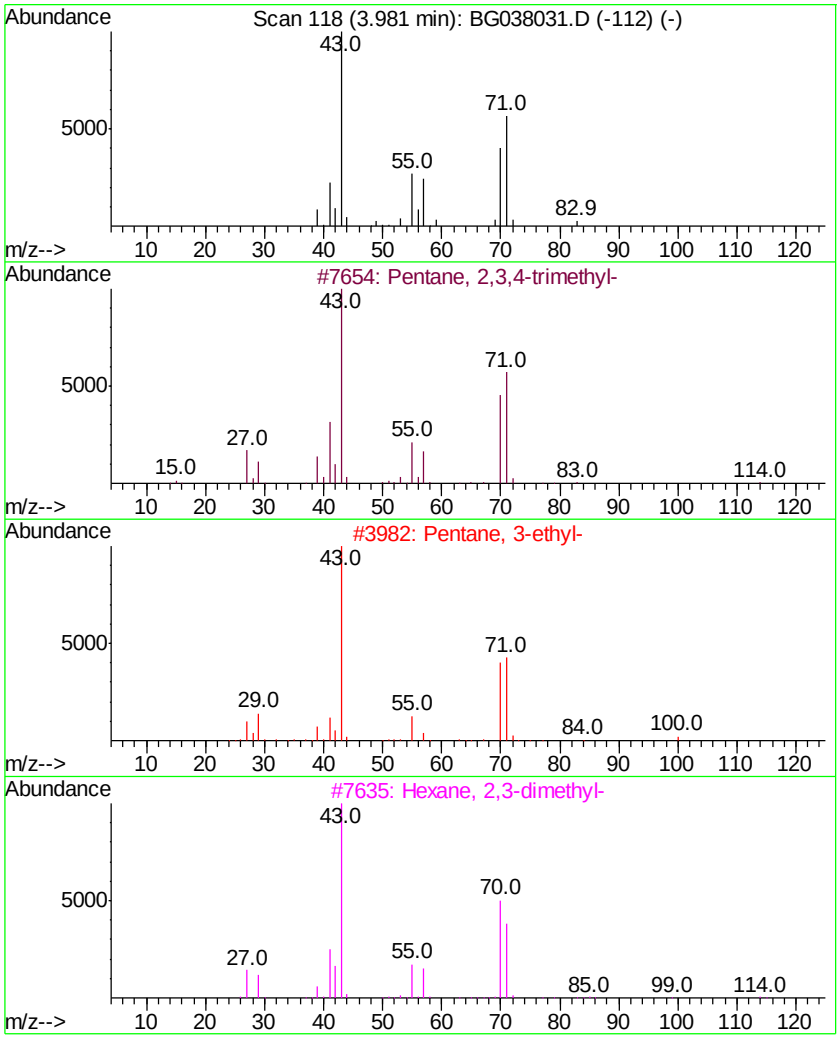
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

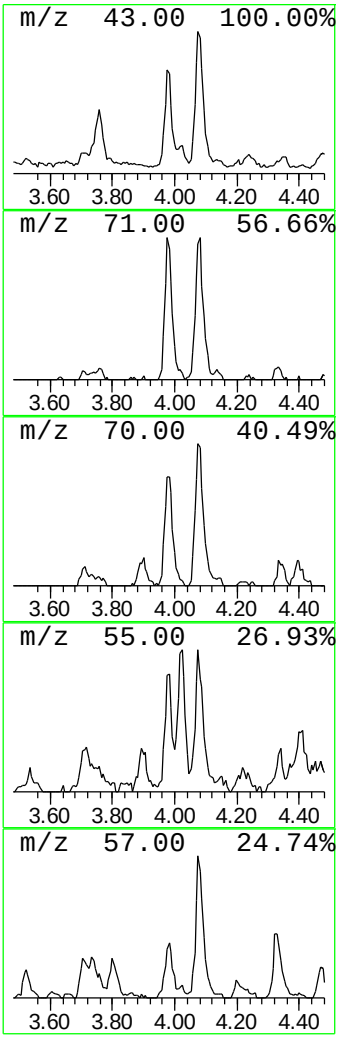
****

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	6.11 ng	80498	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	40
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	37
4	Acetic acid, trifluoro-, 3-methy...	184	C7H11F3O2	000327-69-5	36
5	Pyrrolidine	71	C4H9N	000123-75-1	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

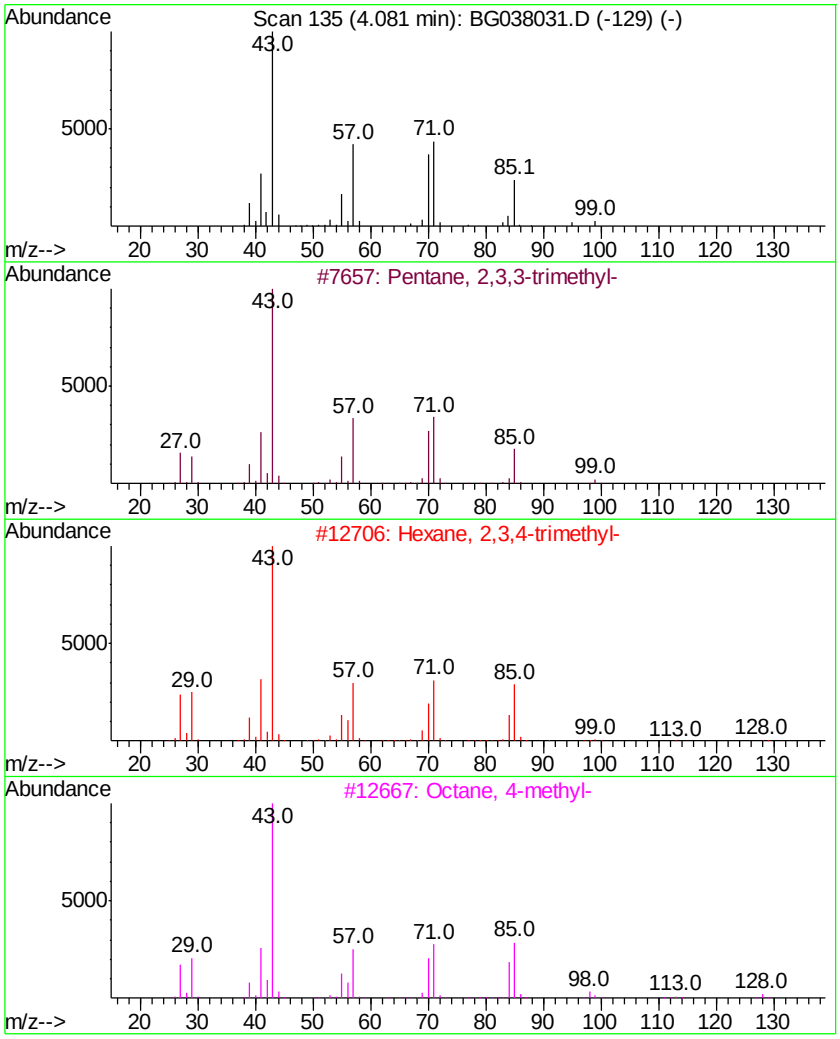
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

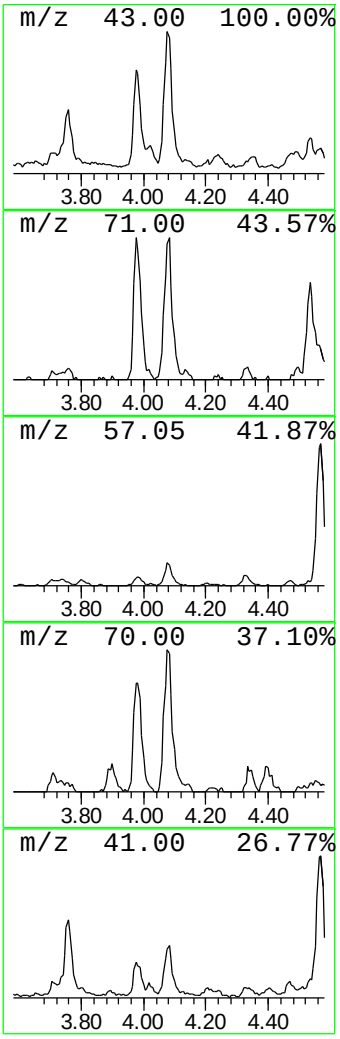
****

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	11.09 ng	146109	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	86
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
3	Octane, 4-methyl-	128	C9H20	002216-34-4	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

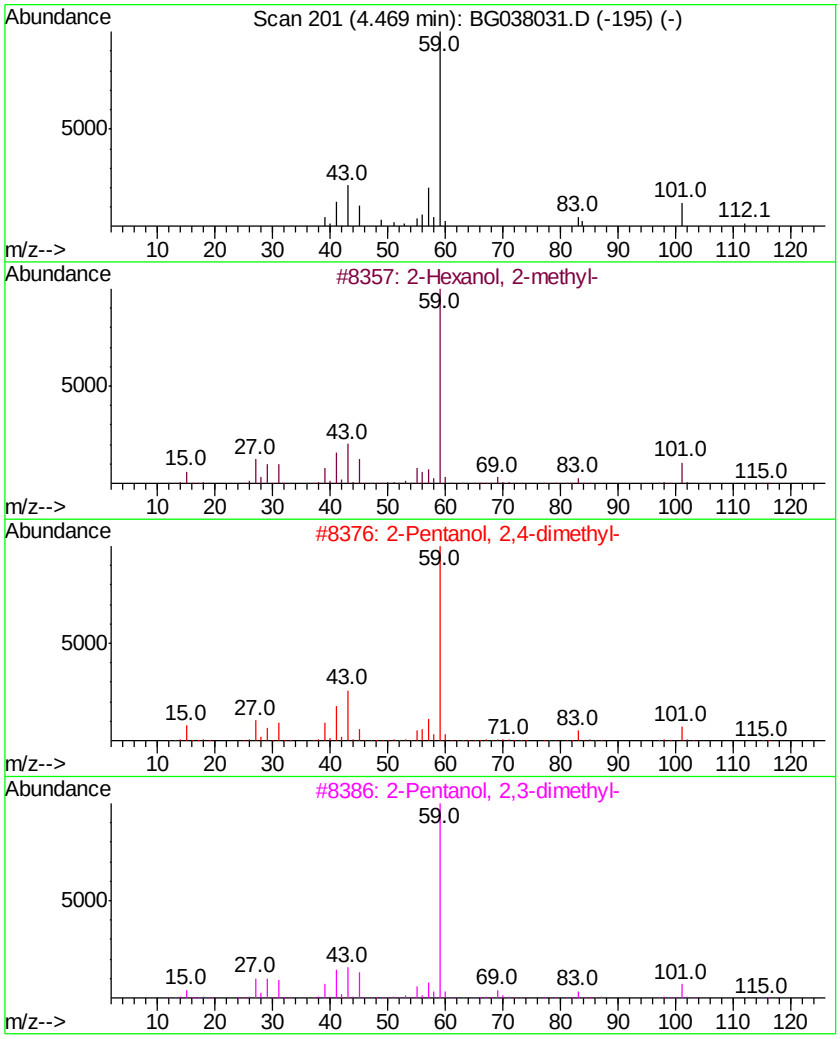
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

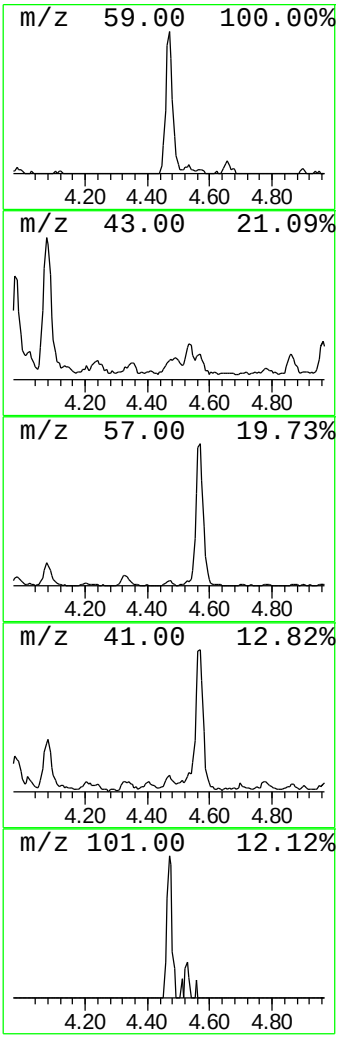
****

Peak Number 4 2-Hexanol, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.47	3.47 ng	45740	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	78
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	72
3	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	43
4	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	40
5	3-Octanol	130	C8H18O	000589-98-0	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

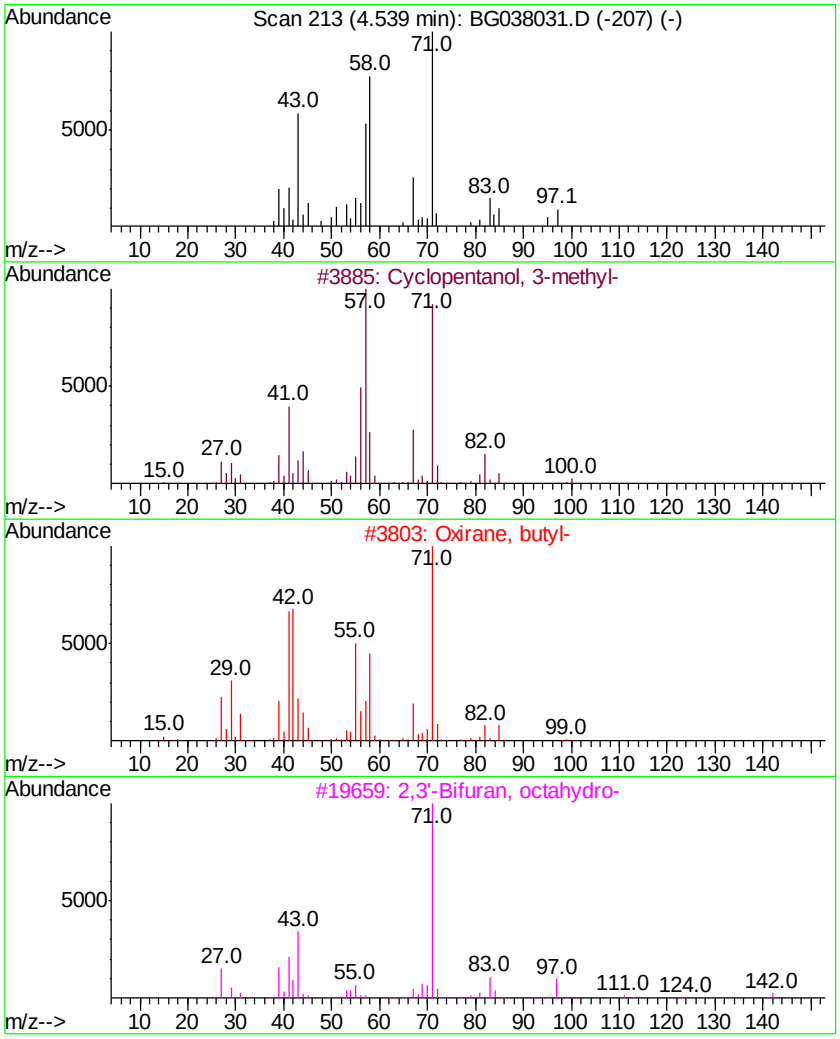
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

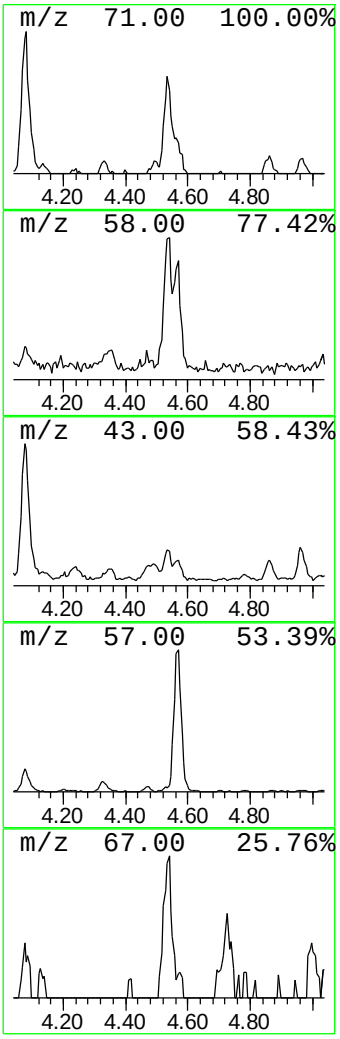
****

Peak Number 5 unknown4.54 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.54	4.15 ng	54742	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 3-methyl-	100	C6H12O	018729-48-1	43
2	Oxirane, butyl-	100	C6H12O	001436-34-6	38
3	2,3'-Bifuran, octahydro-	142	C8H14O2	073373-15-6	38
4	5H-Tetrazole-5-thione, 1-[2-(dim...	173	C5H11N5S	061607-68-9	36
5	trans-1,4-Cyclohexanediamine	114	C6H14N2	003114-70-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

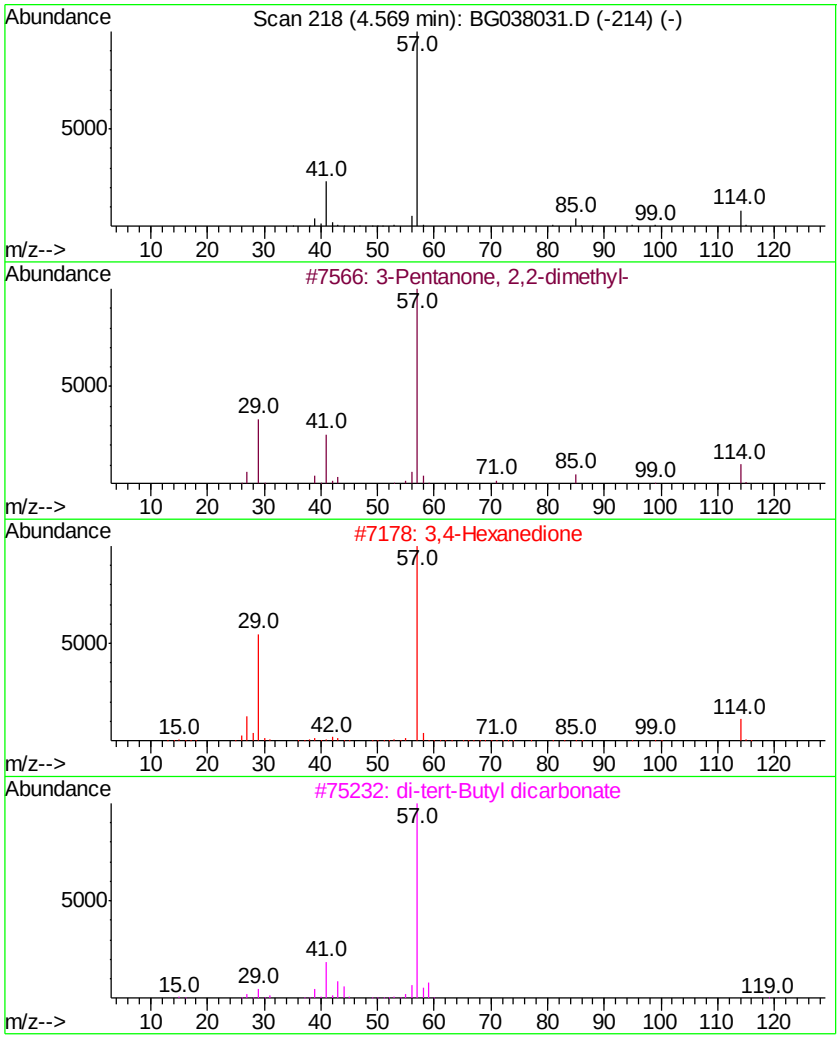
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

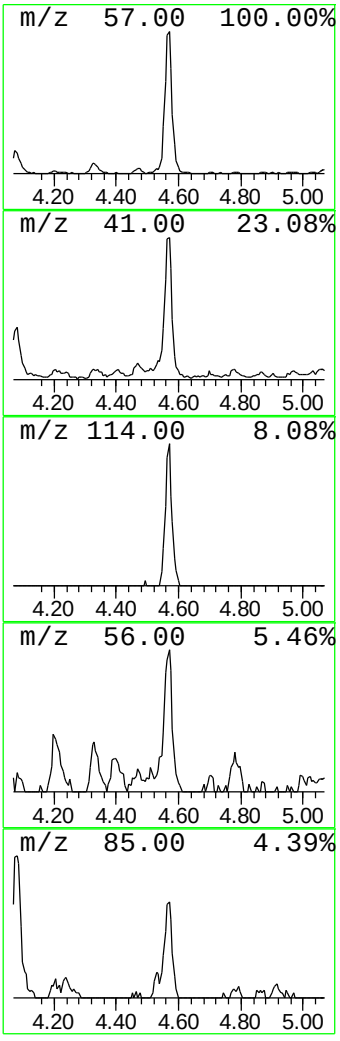
****

Peak Number 6 3-Pentanone, 2,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	13.56 ng	178650	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,2-dimethyl-	114	C7H14O	000564-04-5	59
2	3,4-Hexanedione	114	C6H10O2	004437-51-8	9
3	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	9
4	3-Hexanone, 4-methyl-	114	C7H14O	017042-16-9	7
5	3-Heptanone	114	C7H14O	000106-35-4	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

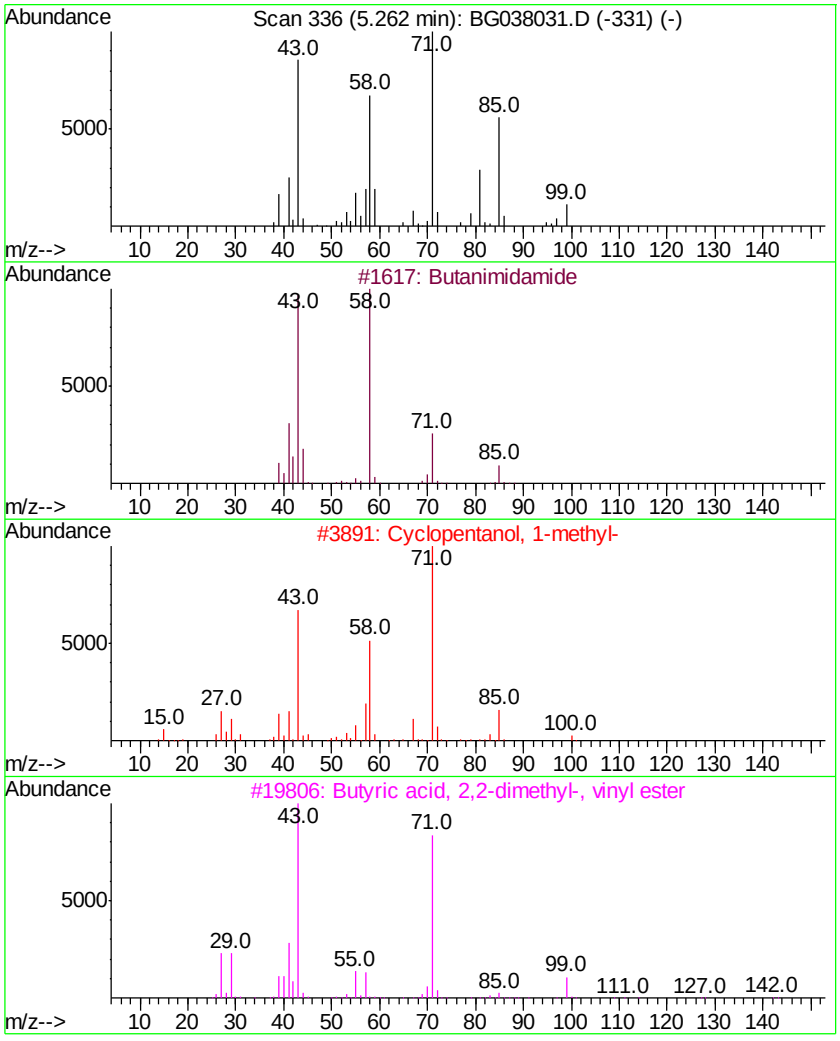
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

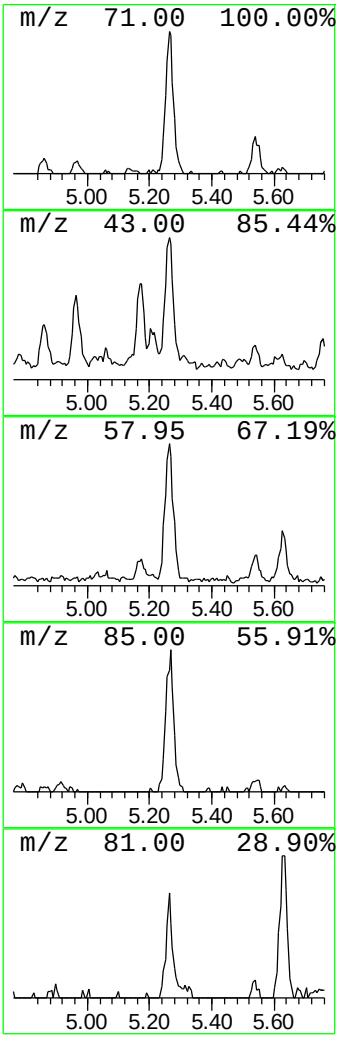
****

Peak Number 7 Butanimidamide Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	7.04 ng	92793	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanimidamide	86	C4H10N2	000107-90-4	50
2	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	42
3	Butyric acid, 2,2-dimethyl-, vin...	142	C8H14O2	013170-00-8	37
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	37
5	Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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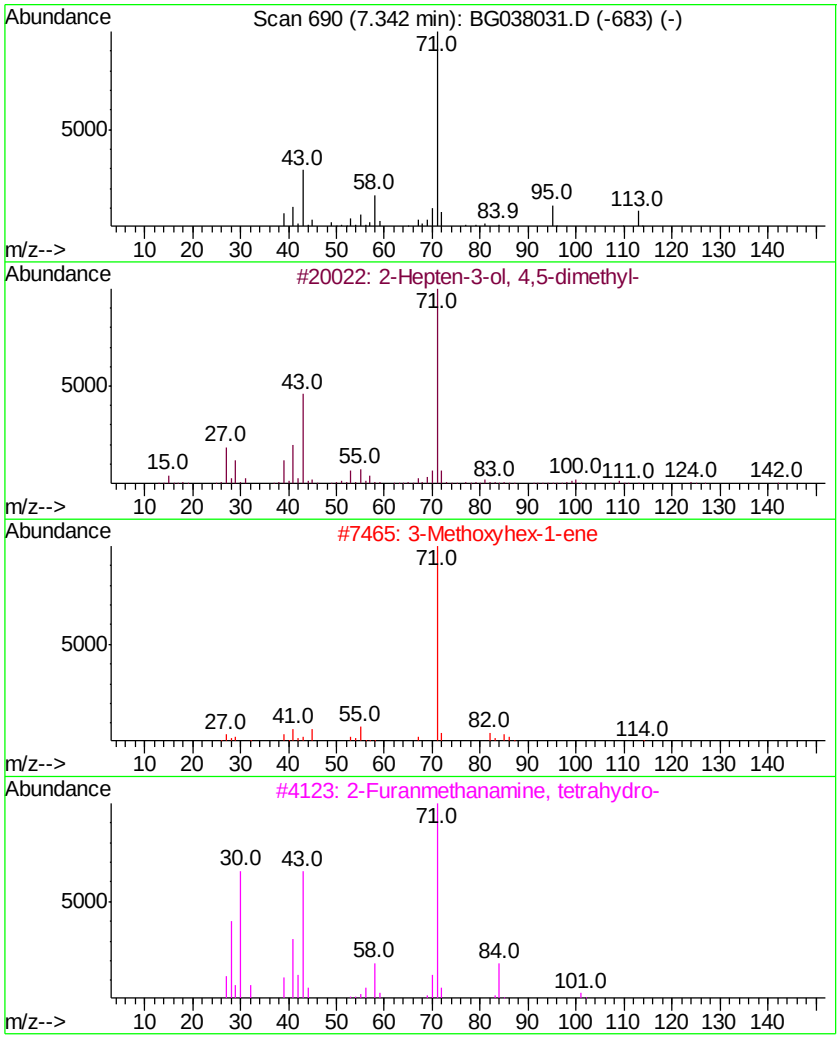
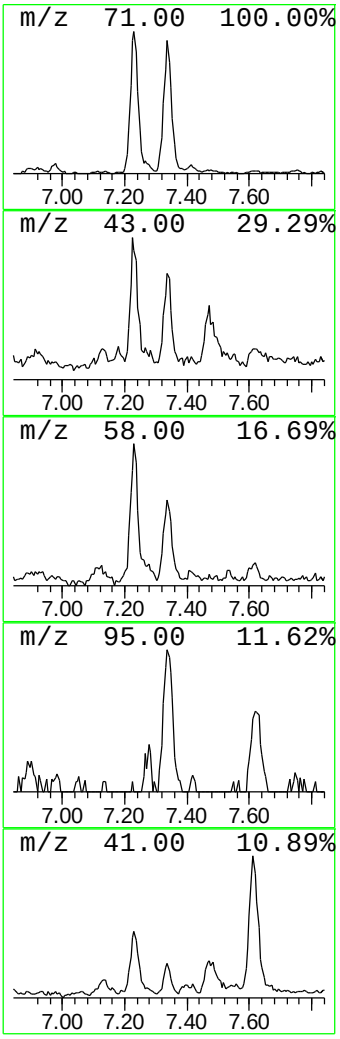
Peak Number 8 2-Hepten-3-ol, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	6.57 ng	86577	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hepten-3-ol, 4,5-dimethyl-	142	C9H18O	055956-37-1	53
2	3-Methoxyhex-1-ene	114	C7H14O	108811-41-2	50
3	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	45
4	Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	42
5	1-Octen-3-ol, methyl ether	142	C9H18O	1000352-74-7	40





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Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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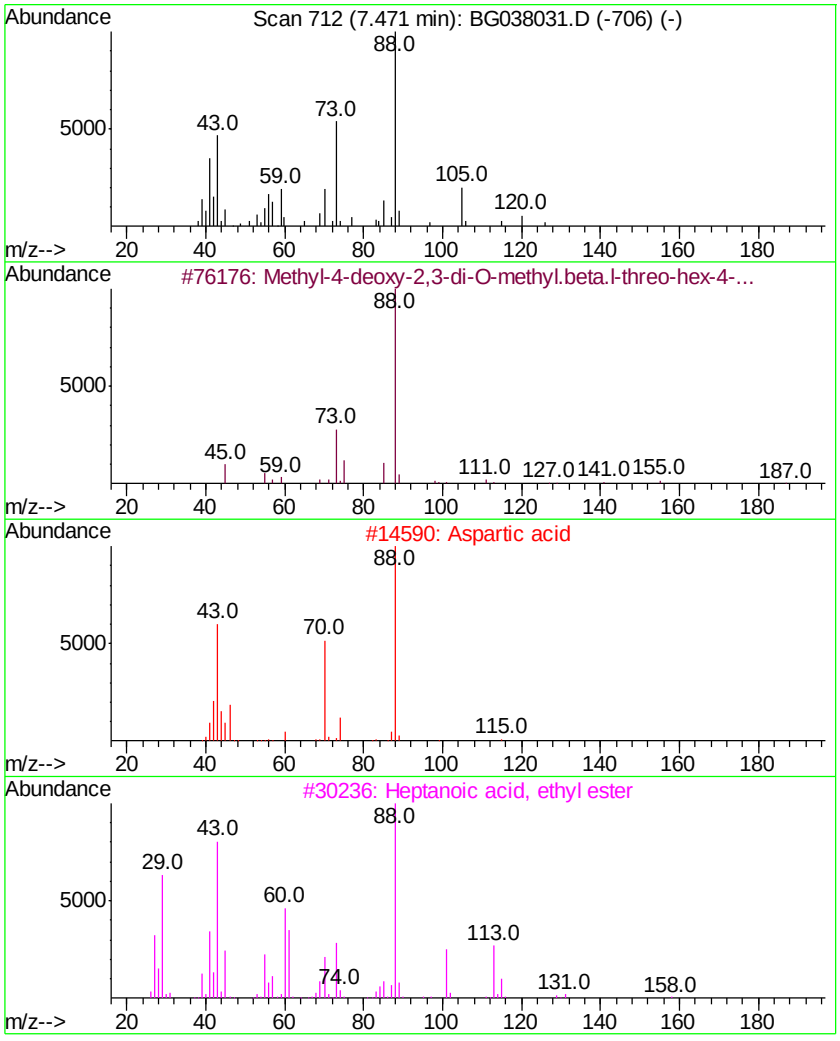
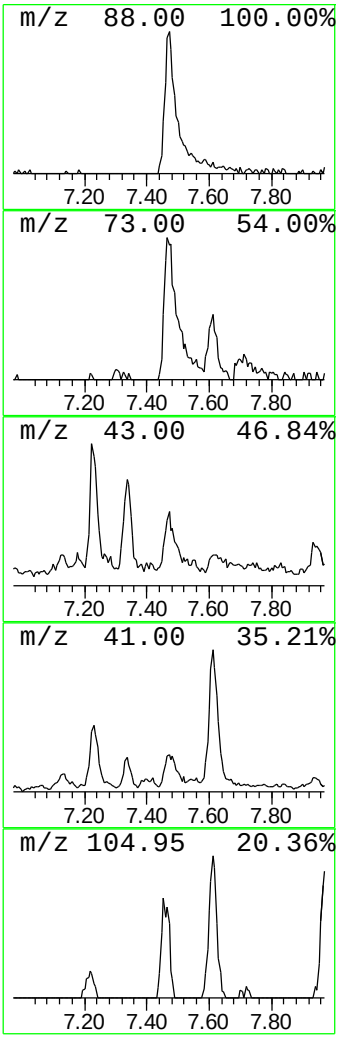
Peak Number 9 unknown7.47 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	5.94 ng	78235	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl-4-deoxy-2,3-di-O-methyl.b...	218	C9H14O6	1000312-09-9	47
2	Aspartic acid	133	C4H7NO4	000056-84-8	47
3	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	45
4	Sulfide, allyl methyl	88	C4H8S	010152-76-8	37
5	Urea, ethyl-	88	C3H8N2O	000625-52-5	37





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Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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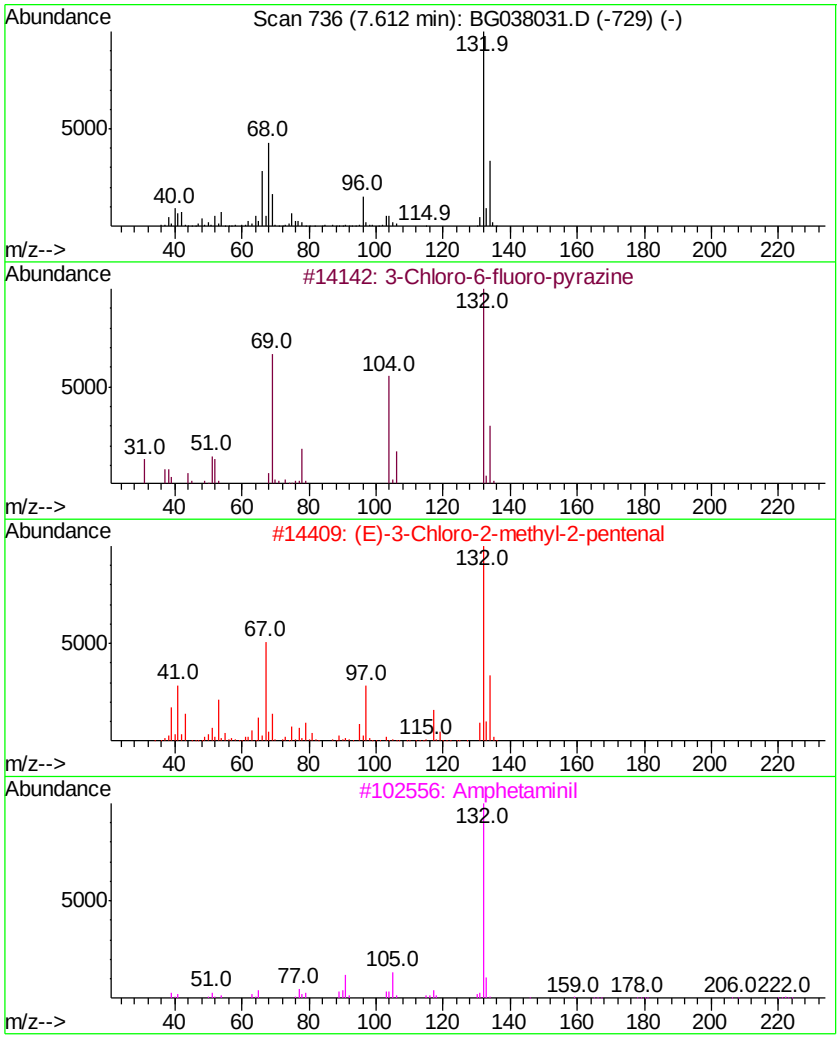
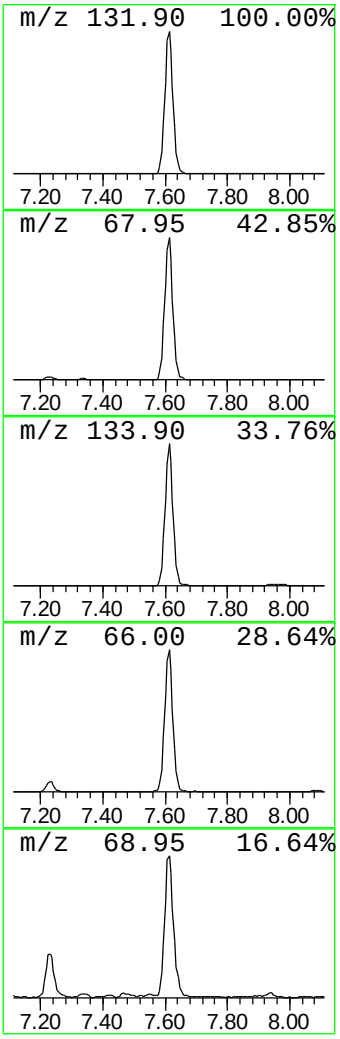
Peak Number 10 unknown7.61 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	79.99 ng	1054070	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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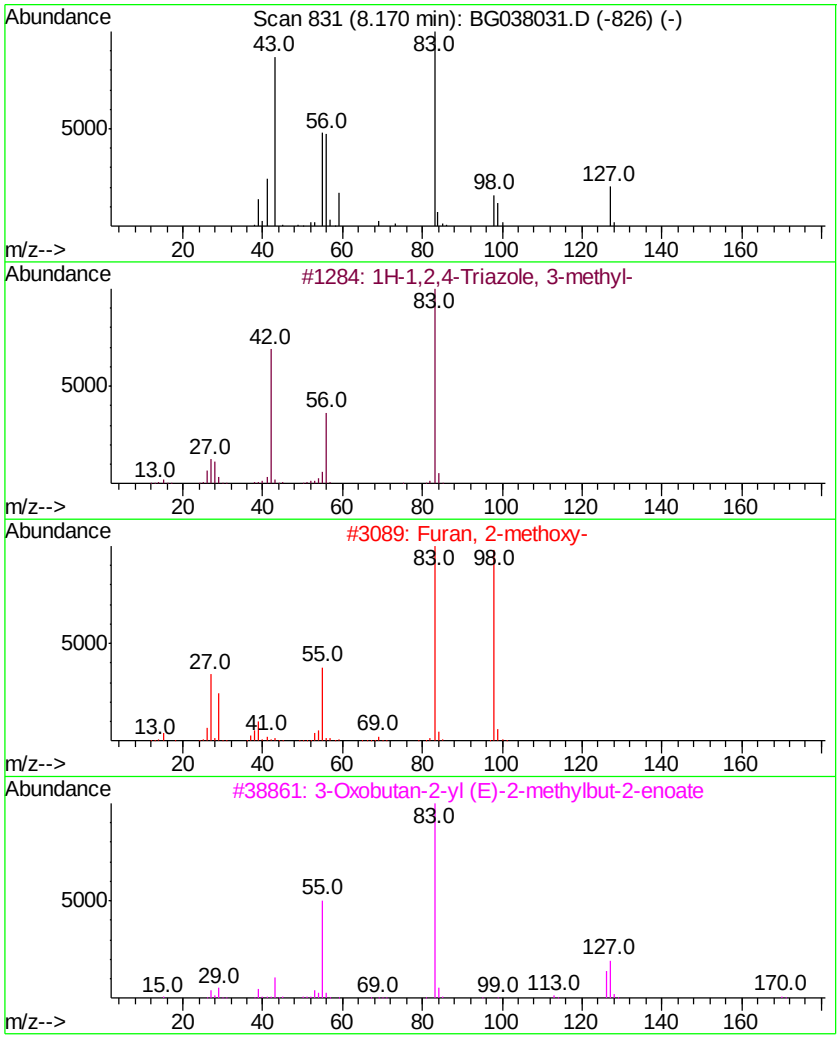
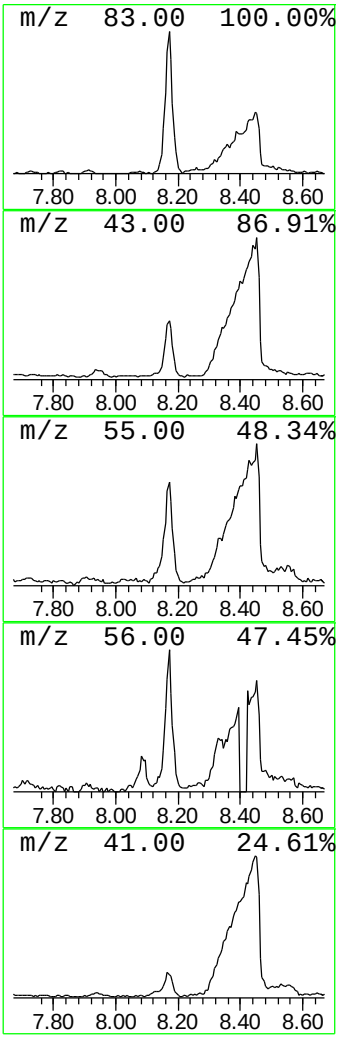
Peak Number 11 unknown8.17 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	10.02 ng	132081	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	38
2	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	38
3	3-Oxobutan-2-yl (E)-2-methylbut-...	170	C9H14O3	1000373-71-9	25
4	(2E,2'E)-Ethane-1,2-diyl bis(2-m...	226	C12H18O4	1000366-98-5	25
5	Oxalic acid, cyclohexyl isobutyl...	228	C12H20O4	1000309-30-4	23





Library Search Compound Report

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Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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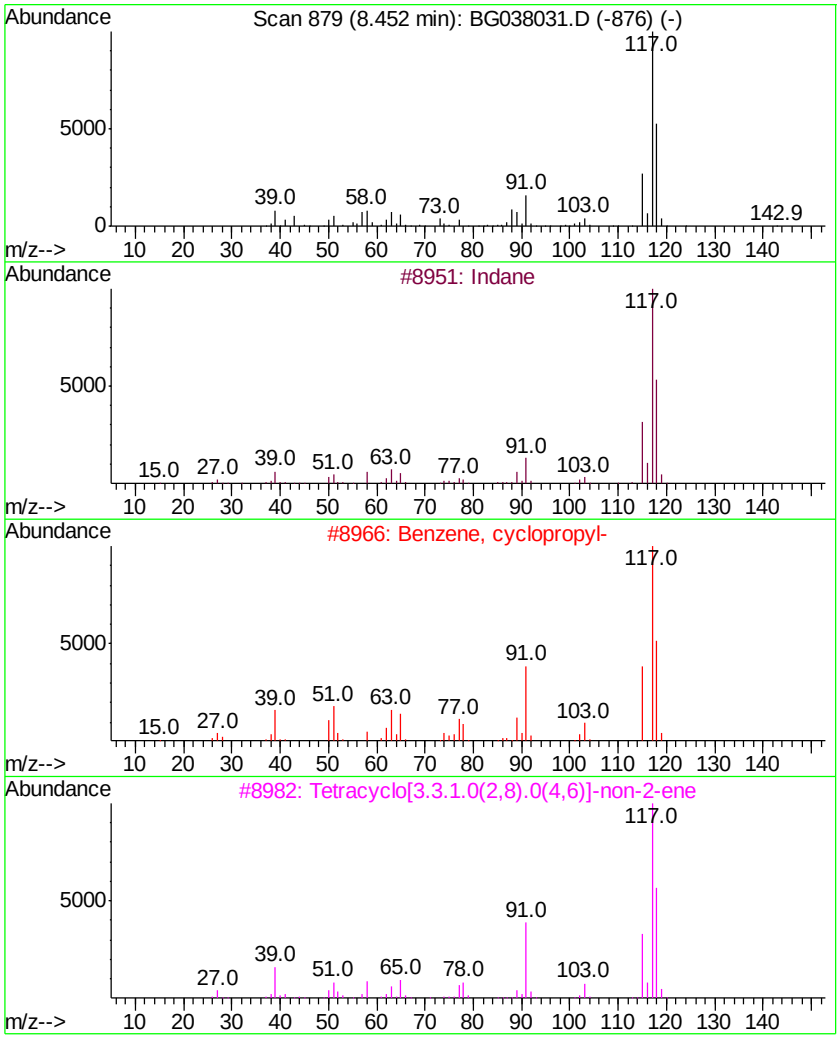
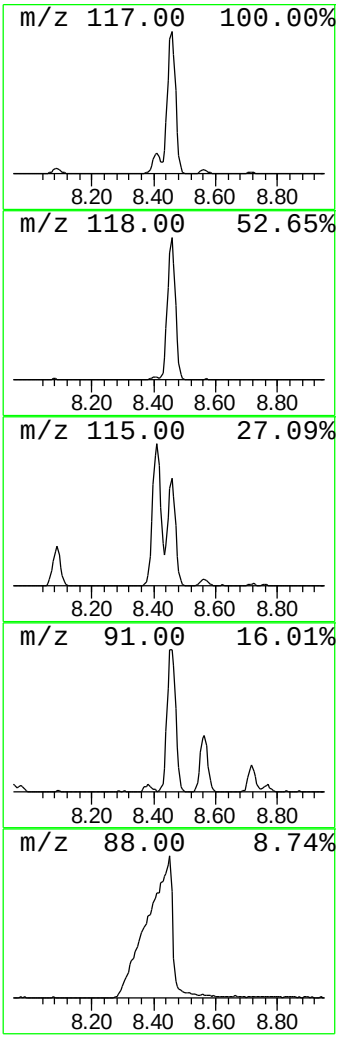
Peak Number 13 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	89.33 ng	1177080	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Deltacyclene	118	C9H10	007785-10-6	53
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	49





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Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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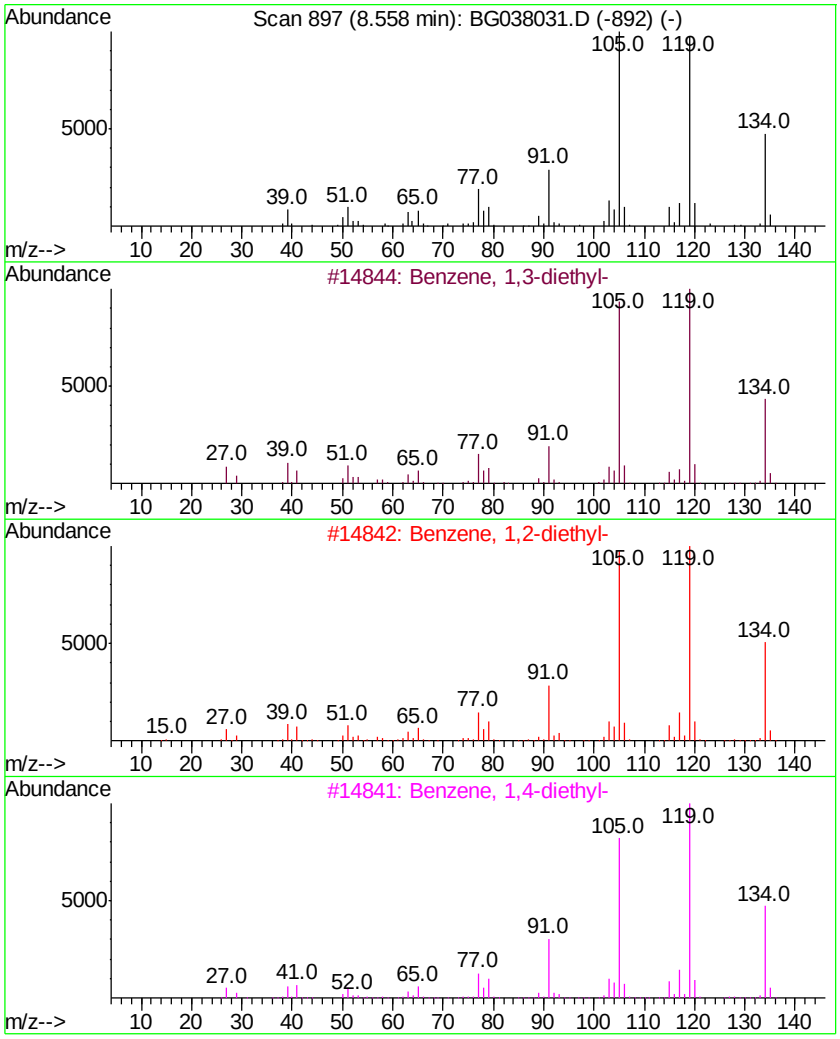
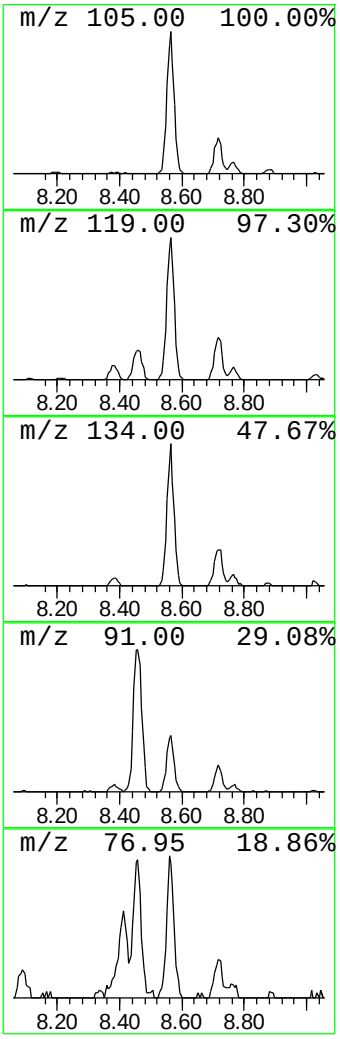
Peak Number 14 Benzene, 1,3-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	17.00 ng	224008	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Library Search Compound Report

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Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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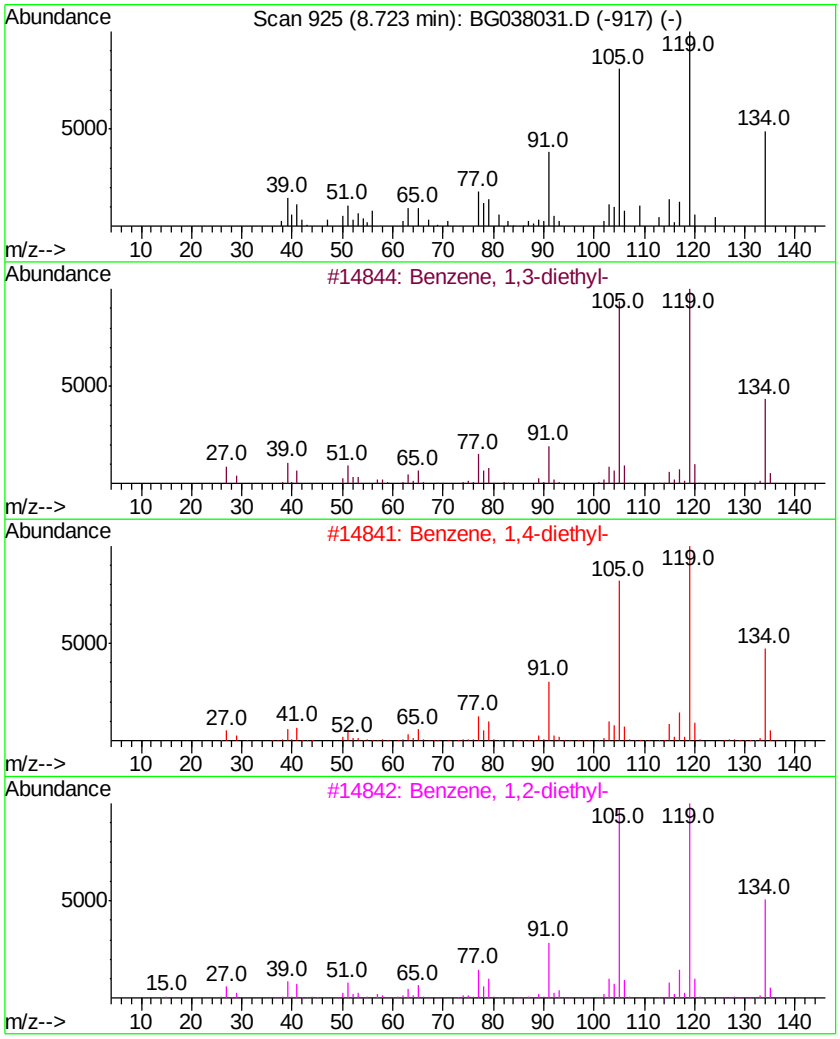
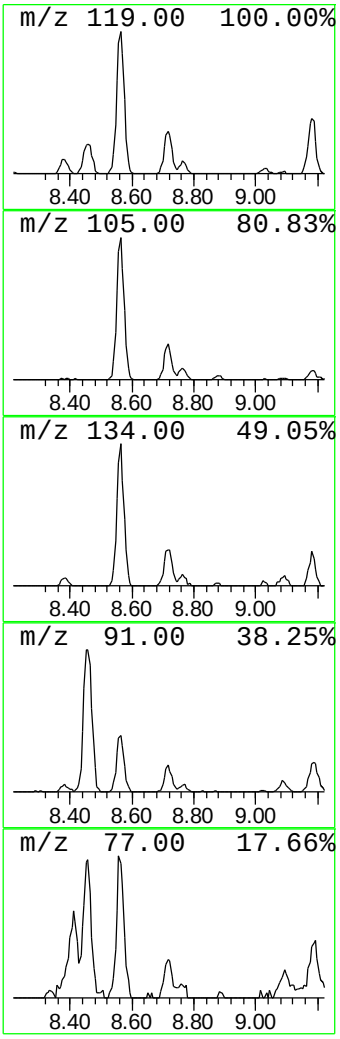
Peak Number 15 Benzene, 1,4-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	5.73 ng	75513	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





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Sample : J5965-01
Misc :
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Instrument : BNA_G
ClientSampleId : MW-1R

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

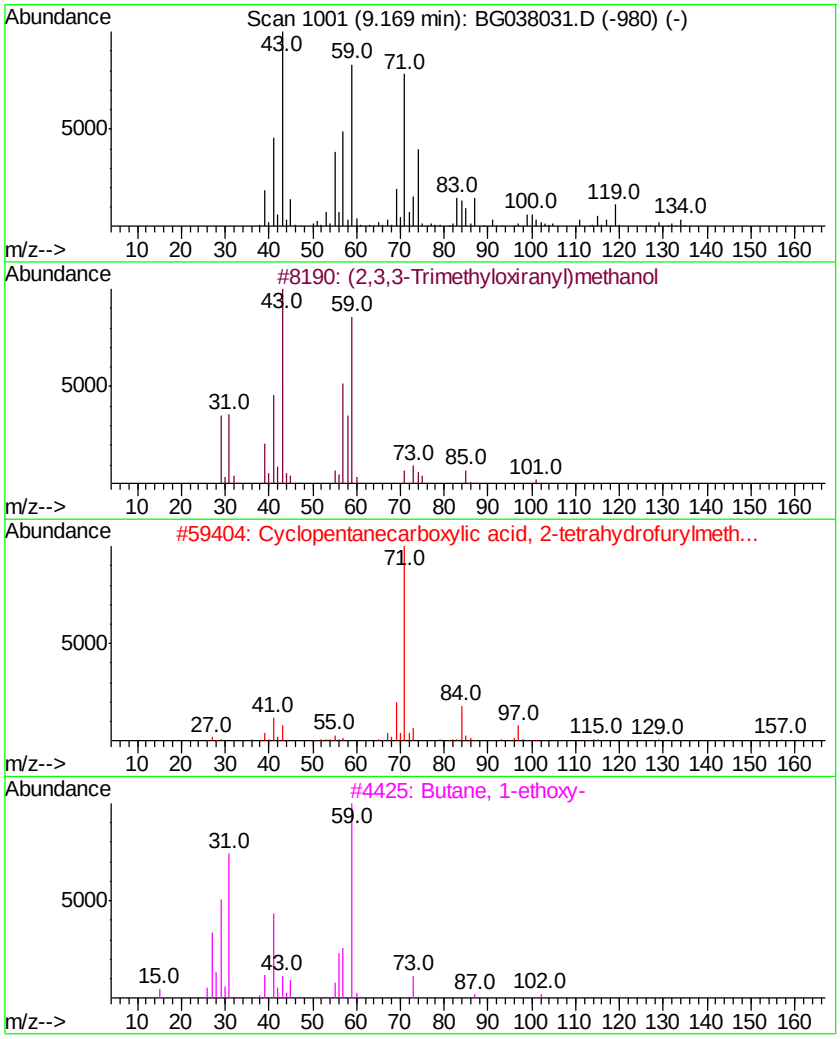
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

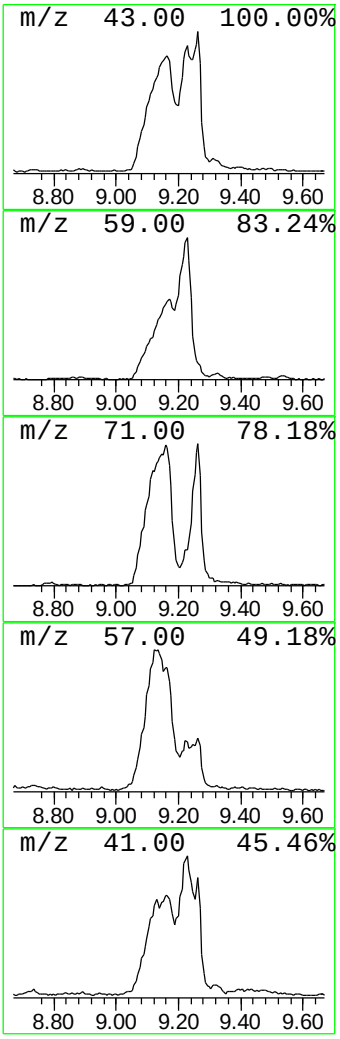
****

Peak Number 16 unknown9.17 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	128.33 ng	1690950	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3,3-Trimethyloxiranyl)methanol	116	C6H12O2	1000306-64-7	27
2	Cyclopentanecarboxylic acid, 2-t...	198	C11H18O3	1000282-42-9	22
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	22
4	Ether, 3-butenyl pentyl	142	C9H18O	034061-78-4	22
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	22





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Sample : J5965-01
Misc :
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Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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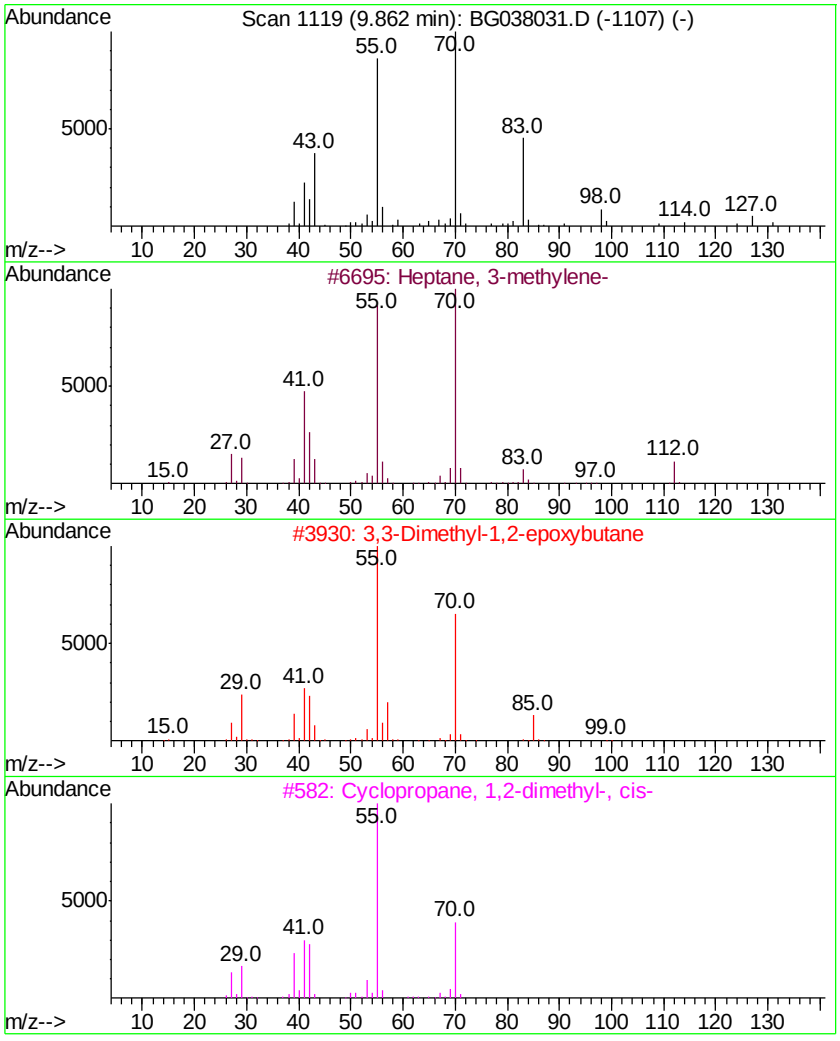
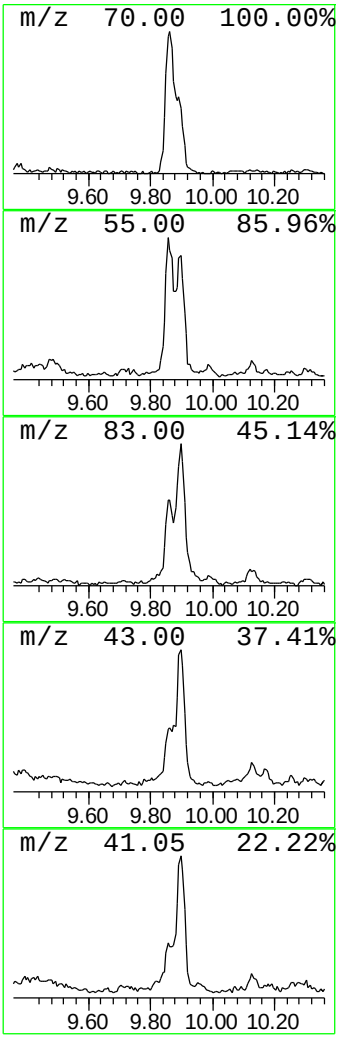
Peak Number 17 Heptane, 3-methylene- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	5.49 ng	125961	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methylene-	112	C8H16	001632-16-2	53
2	3,3-Dimethyl-1,2-epoxybutane	100	C6H12O	002245-30-9	50
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	49
4	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	42
5	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	40





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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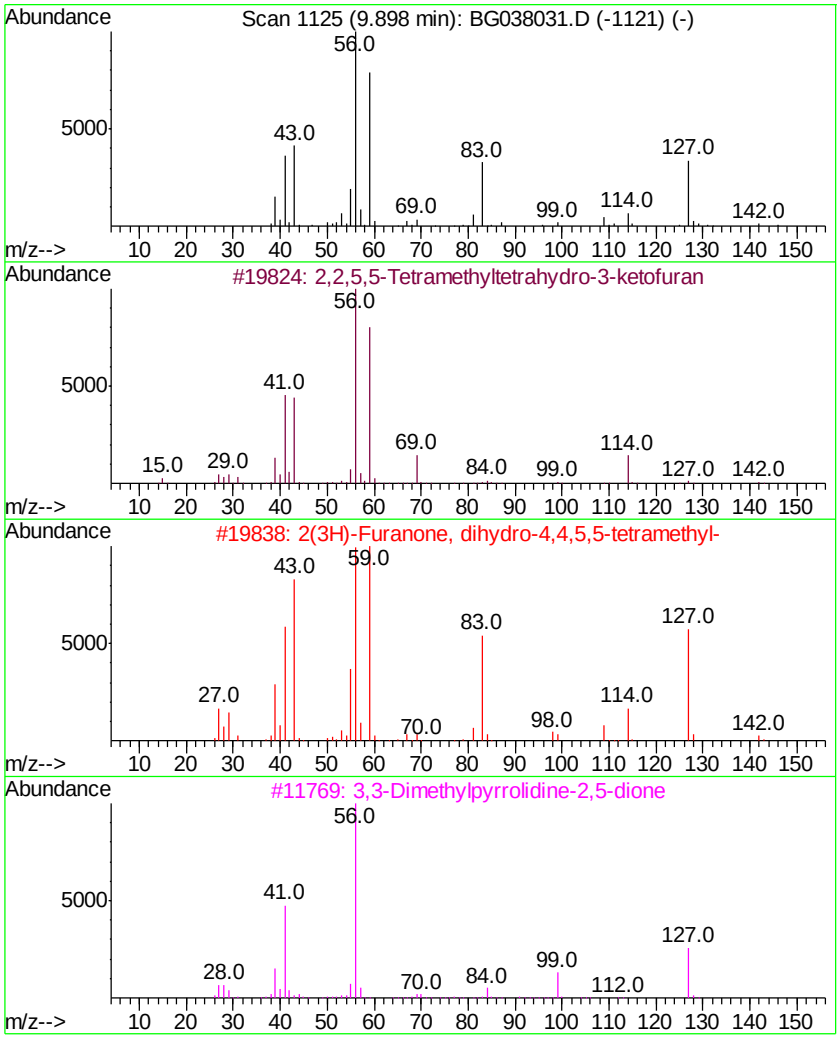
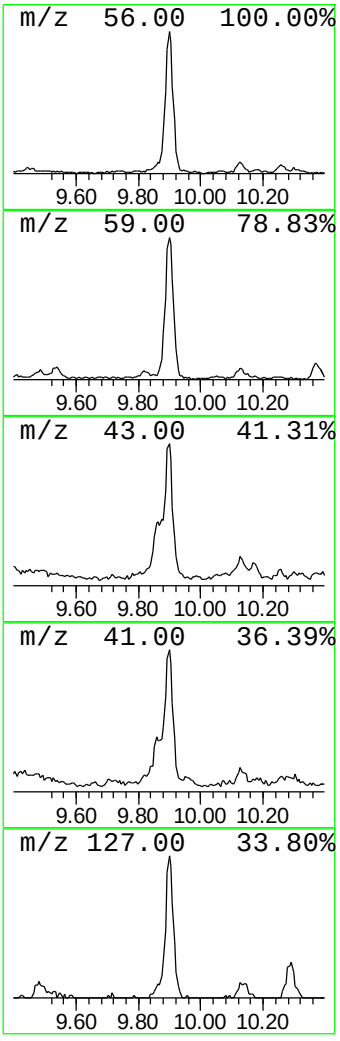
Peak Number 18 2,2,5,5-Tetramethyltetrahyd... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	10.62 ng	243684	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,5,5-Tetramethyltetrahydro-3-...	142	C8H14O2	005455-94-7	53
2	2(3H)-Furanone, dihydro-4,4,5,5-...	142	C8H14O2	016466-24-3	47
3	3,3-Dimethylpyrrolidine-2,5-dione	127	C6H9NO2	003437-29-4	35
4	1-(1-Methoxypropan-2-yloxy)propa...	230	C12H22O4	1000367-11-3	25
5	3-Hexene, 1-(1-methoxyethoxy)-, ...	158	C9H18O2	054340-97-5	17





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Sample : J5965-01
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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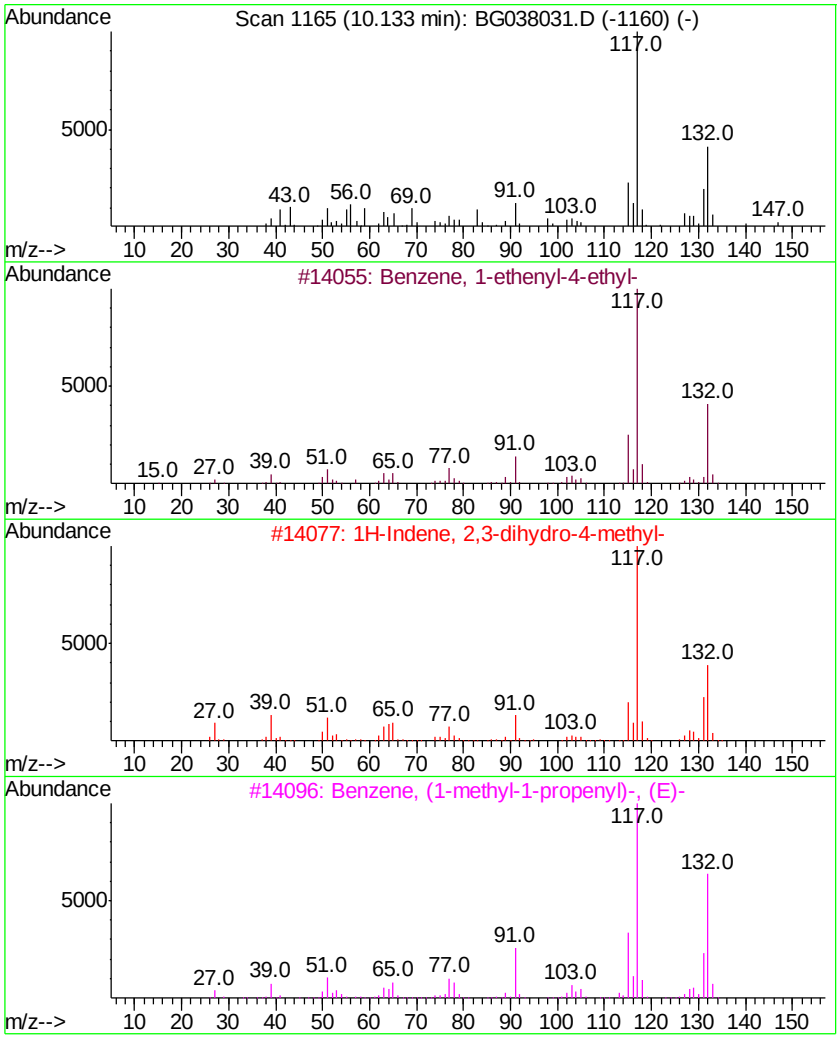
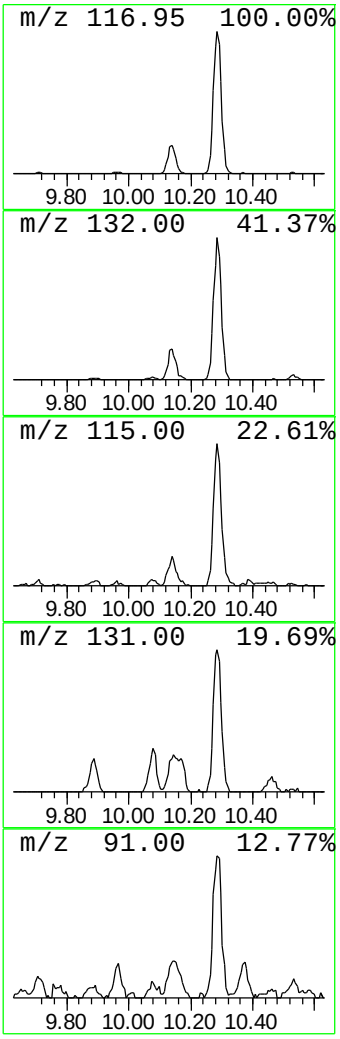
Peak Number 19 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	5.62 ng	129068	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	92
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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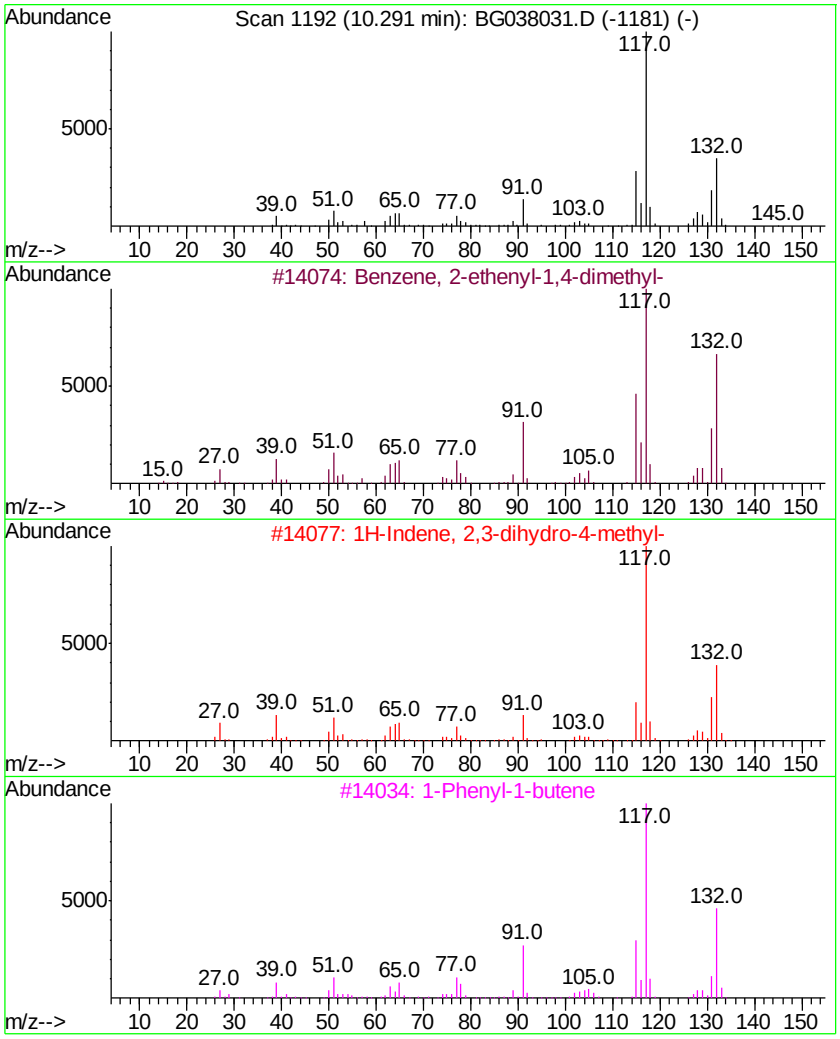
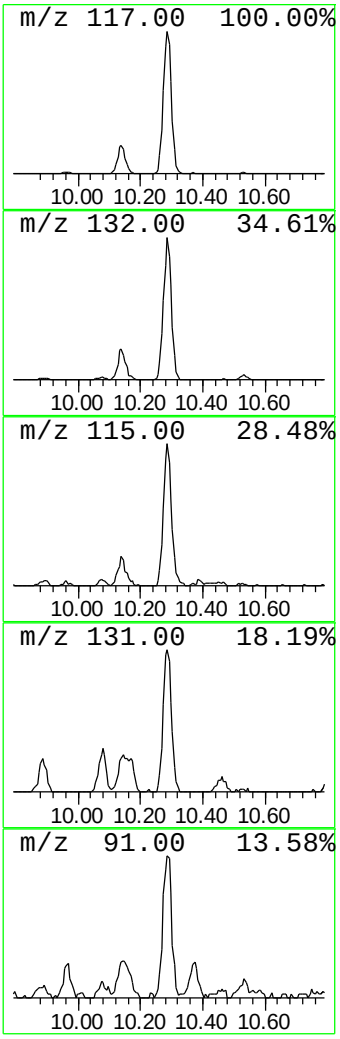
Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	15.36 ng	352505	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG111618\
Data File : BG038031.D
Acq On : 16 Nov 2018 13:27
Operator : JU/SJ
Sample : J5965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1R

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butanol, 2,3-di...	3.76	12.8	ng	168119	1	8.09	263542	20.0
Pentane, 2,3,4-tr...	3.98	6.1	ng	80498	1	8.09	263542	20.0
Pentane, 2,3,3-tr...	4.08	11.1	ng	146109	1	8.09	263542	20.0
2-Hexanol, 2-methyl-	4.47	3.5	ng	45740	1	8.09	263542	20.0
unknown4.54	4.54	4.2	ng	54742	1	8.09	263542	20.0
3-Pentanone, 2,2-...	4.57	13.6	ng	178650	1	8.09	263542	20.0
Butanimidamide	5.26	7.0	ng	92793	1	8.09	263542	20.0
2-Hepten-3-ol, 4,...	7.34	6.6	ng	86577	1	8.09	263542	20.0
unknown7.47	7.47	5.9	ng	78235	1	8.09	263542	20.0
unknown7.61	7.61	80.0	ng	1054070	1	8.09	263542	20.0
unknown8.17	8.17	10.0	ng	132081	1	8.09	263542	20.0
Indane	8.45	89.3	ng	1177080	1	8.09	263542	20.0
Benzene, 1,3-diet...	8.56	17.0	ng	224008	1	8.09	263542	20.0
Benzene, 1,4-diet...	8.72	5.7	ng	75513	1	8.09	263542	20.0
unknown9.17	9.17	128.3	ng	1690950	1	8.09	263542	20.0
Heptane, 3-methyl...	9.86	5.5	ng	125961	2	10.91	459011	20.0
2,2,5,5-Tetrameth...	9.90	10.6	ng	243684	2	10.91	459011	20.0
Benzene, 1-etheny...	10.13	5.6	ng	129068	2	10.91	459011	20.0
Benzene, 2-etheny...	10.29	15.4	ng	352505	2	10.91	459011	20.0