LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

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_F\METHODS\8270-BF060915.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	1.415	18	20	22	rVB	175418	197534	4.17%	0.717%
2	2.193	85	88	101	rVB2	102588	360609	7.61%	1.308%
3	2.376	101	104	111	rVV	720222	1579382	33.35%	5.730%
4	2.490	111	114	116	rVV	3295143	4736057	100.00%	17.182%
5	2.524	116	117	133	rVB	103461	210006	4.43%	0.762%
6	2.764	135	138	142	rVB	440317	619012	13.07%	2.246%
7	3.987	242	245	248	rBV	118374	171972	3.63%	0.624%
8	4.616	297	300	303	rBV	829943	987784	20.86%	3.584%
9	5.633	386	389	392	rBV2	89584	118281	2.50%	0.429%
10	6.033	422	424	427	rBV2	737401	913512	19.29%	3.314%
11	6.285	443	446	448	rBV	851259	726219	15.33%	2.635%
12	6.479	457	463	465	rBV2	98256	125959	2.66%	0.457%
13	7.016	508	510	512	rBV2	367693	449516	9.49%	1.631%
14	7.187	522	525	527	rVB	914515	1026377	21.67%	3.724%
15	7.416	543	545	548	rBV	370906	322305	6.81%	1.169%
16	7.576	557	559	561	rBV	1219224	1155983	24.41%	4.194%
17	7.610	561	562	567	rVB2	219881	381012	8.04%	1.382%
18	7.976	585	594	595	rBV	1242334	2437638	51.47%	8.844%
19	8.033	595	599	602	rVB	1312321	3150097	66.51%	11.428%
20	8.262	615	619	624	rVB	429292	526567	11.12%	1.910%
21	8.708	656	658	660	rBV	542253	456930	9.65%	1.658%
22	8.982	680	682	685	rVB	370852	331834	7.01%	1.204%
23	9.782	750	752	754	rVB	2009259	1686068	35.60%	6.117%
24	10.479	811	813	816	rBV	490119	499107	10.54%	1.811%
25	11.279	880	883	885	rBV2	745283	878465	18.55%	3.187%
26	11.988	943	945	947	rBV	652999	549459	11.60%	1.993%
27	13.634	1087	1089	1092	rBV	1559768	1922821	40.60%	6.976%
28	14.868	1194	1197	1199	rBV	415119	537384	11.35%	1.950%
29	16.720	1356	1359	1368	rVB	293950	506102	10.69%	1.836%

Sum of corrected areas: 27563992

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
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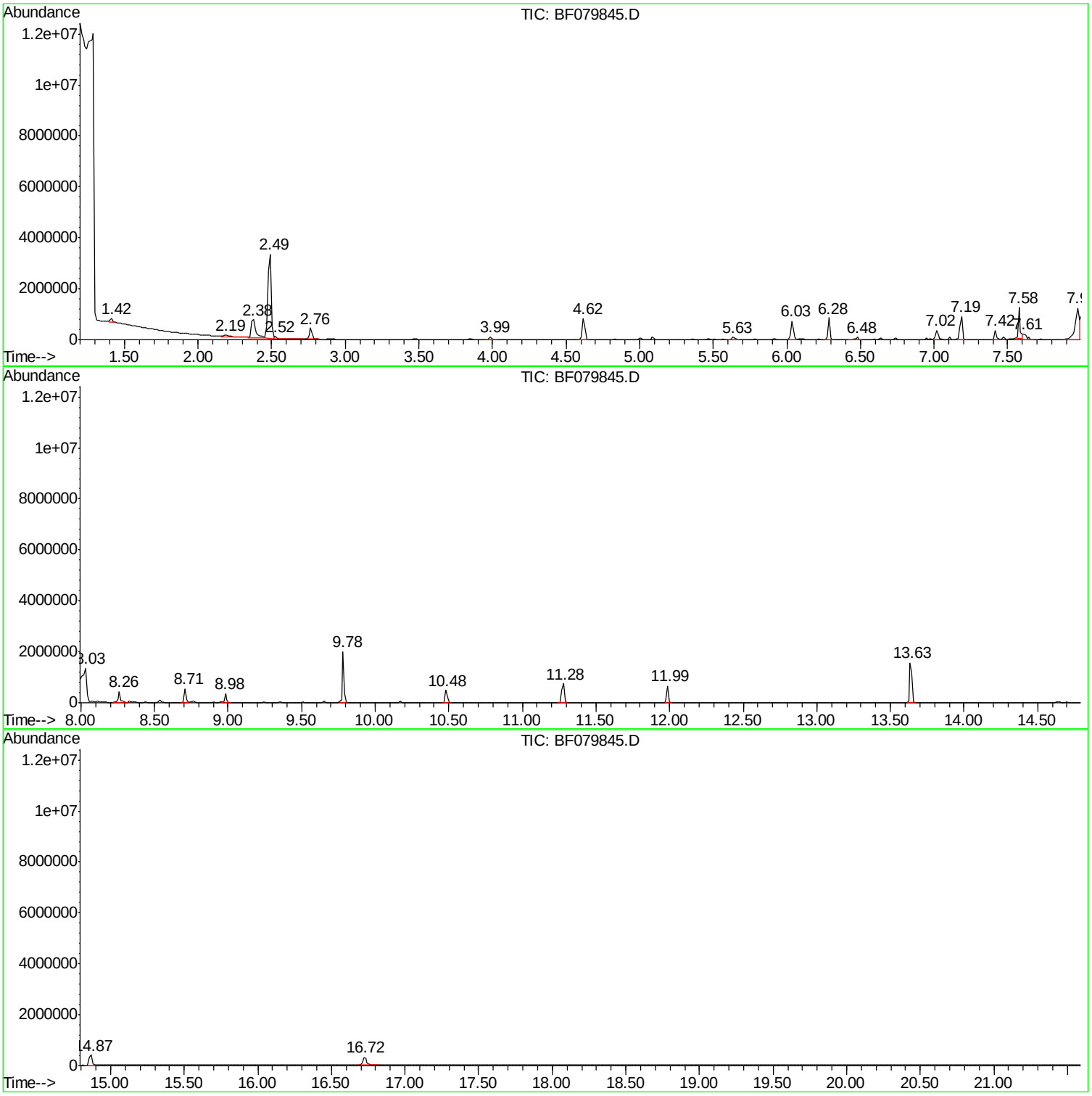
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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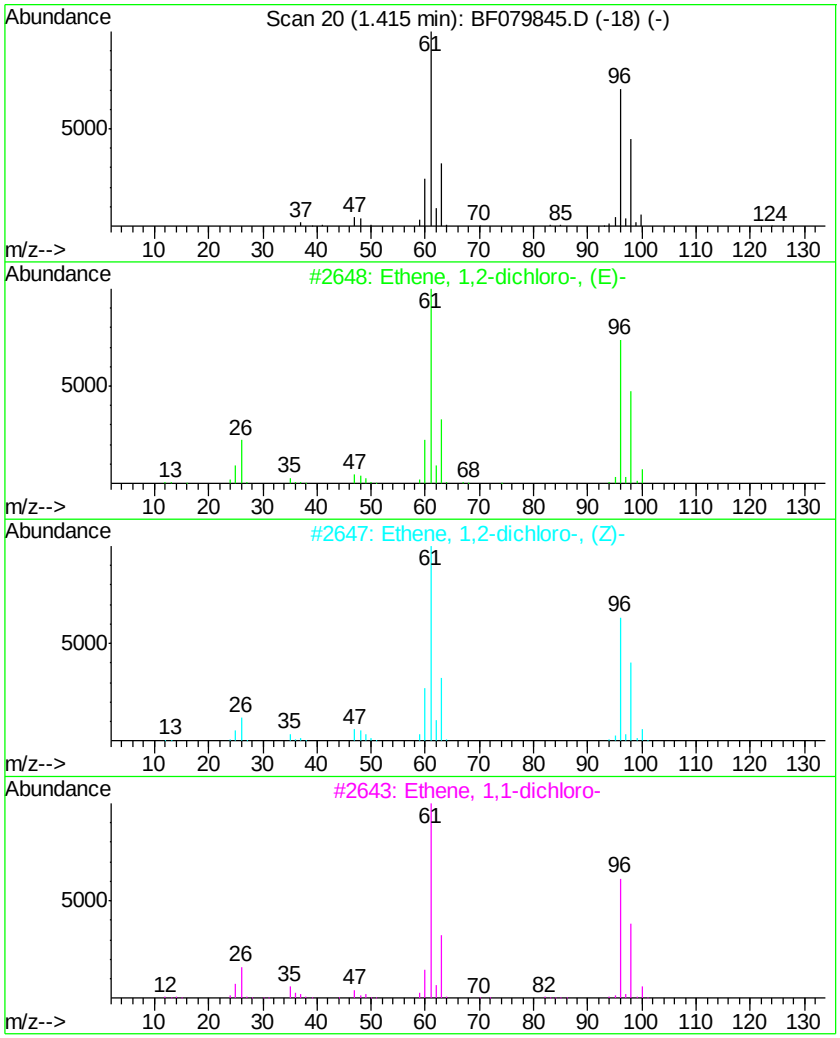
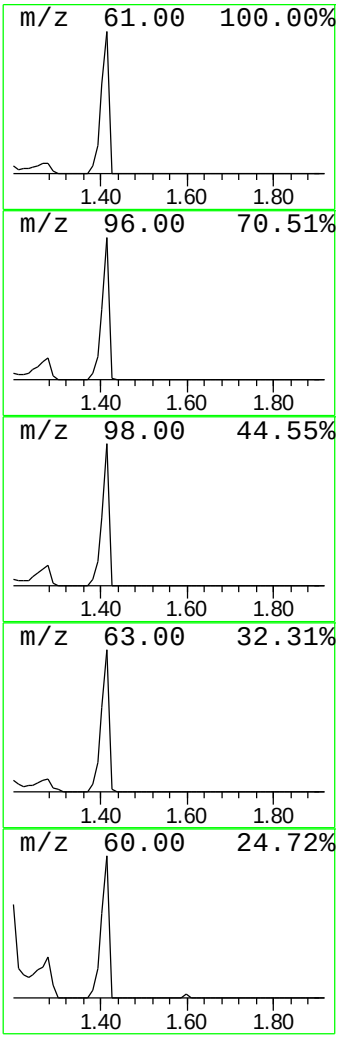
Peak Number 1 Ethene, 1,2-dichloro-, (E)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	12.26 ng	197534	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethene, 1,2-dichloro-, (E)-	96	C2H2Cl2	000156-60-5	95
2	Ethene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	94
3	Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	91
4	1,2-Dichloroethylene	96	C2H2Cl2	000540-59-0	91
5	Chloromethylmethyl sulfide	96	C2H5ClS	002373-51-5	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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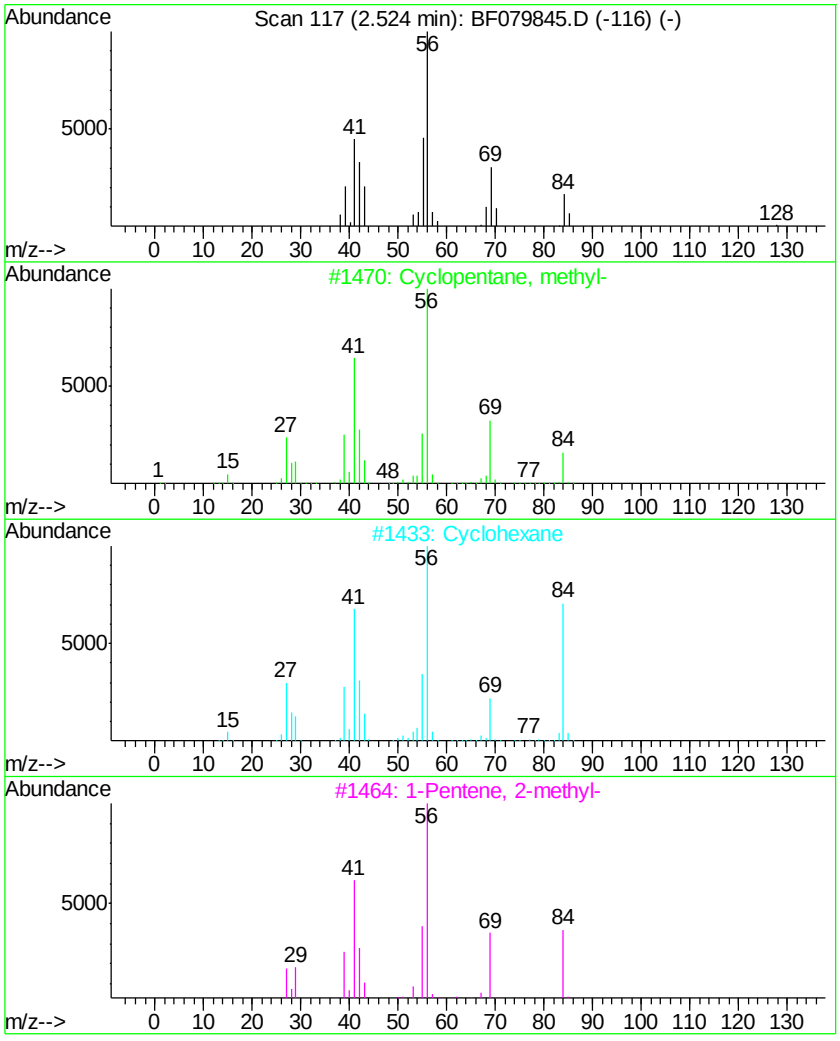
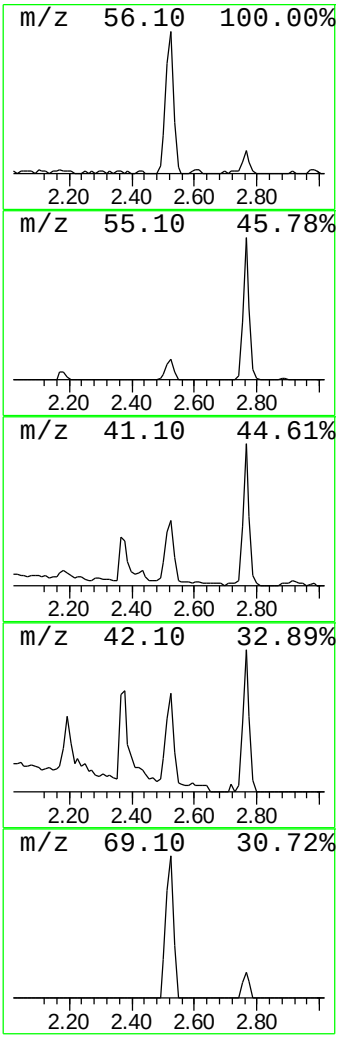
Peak Number 5 Cyclopentane, methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.52	13.03 ng	210006	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4	Cyanic acid, propyl ester	85	C4H7NO	001768-36-1	59
5	2,2-Dimethylglutaric anhydride	142	C7H10O3	002938-48-9	59





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Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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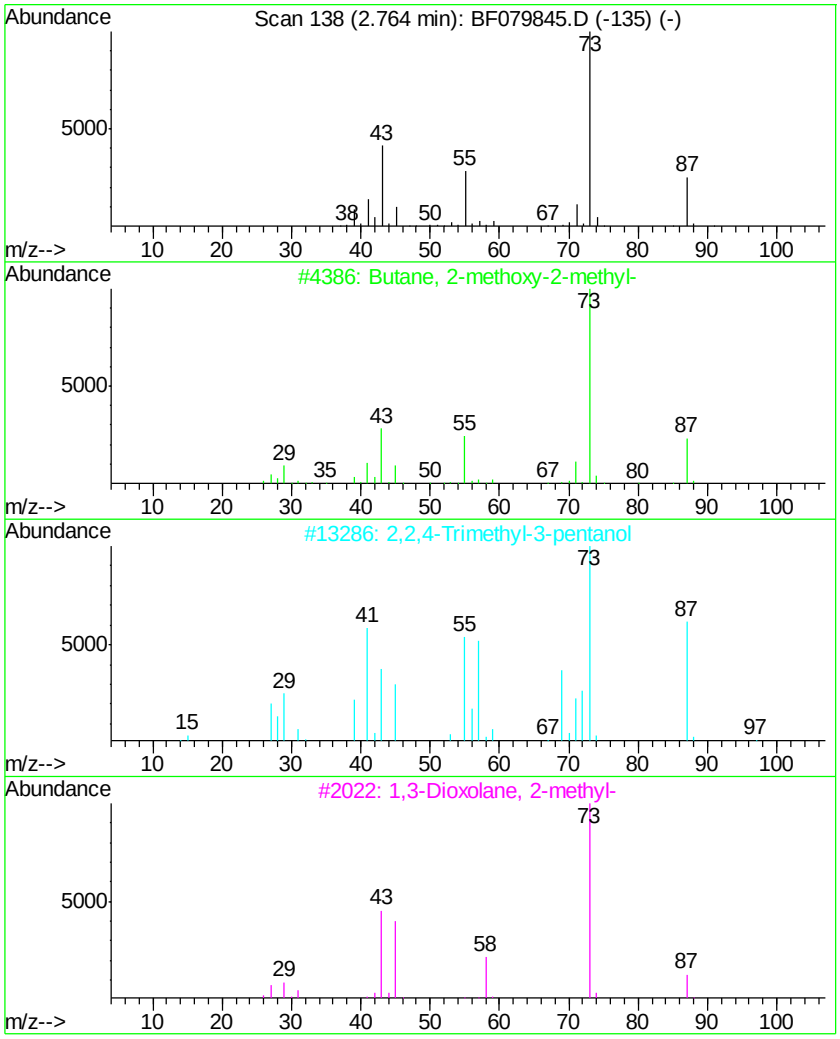
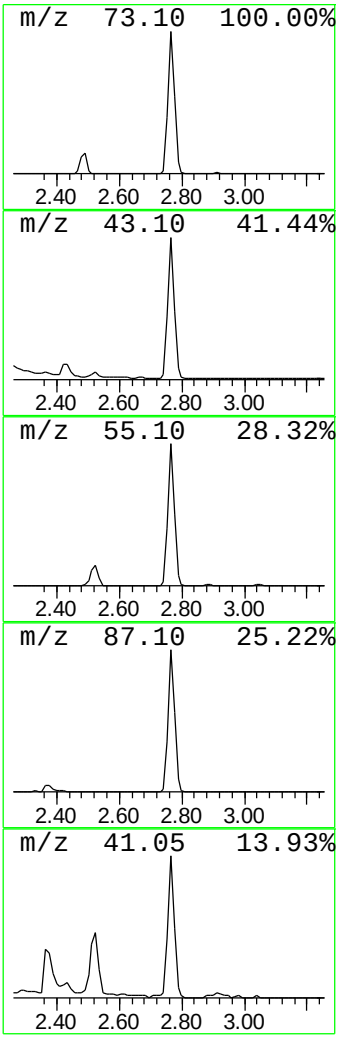
Peak Number 6 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	38.41 ng	619012	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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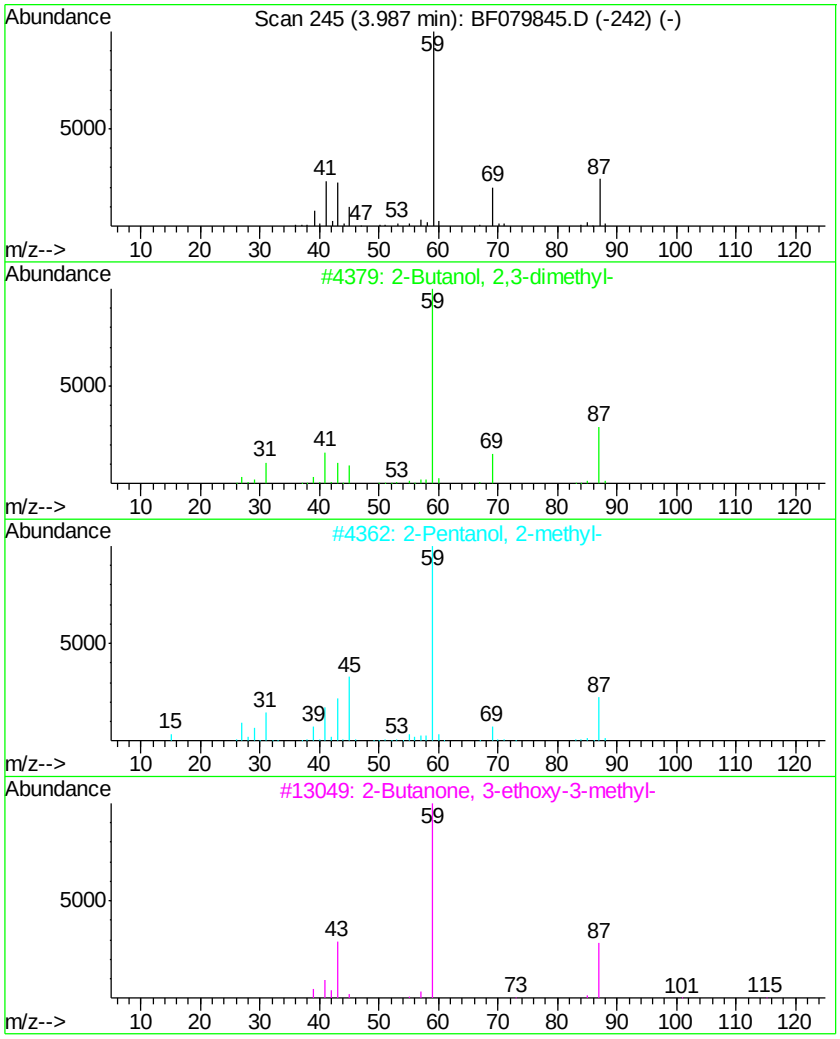
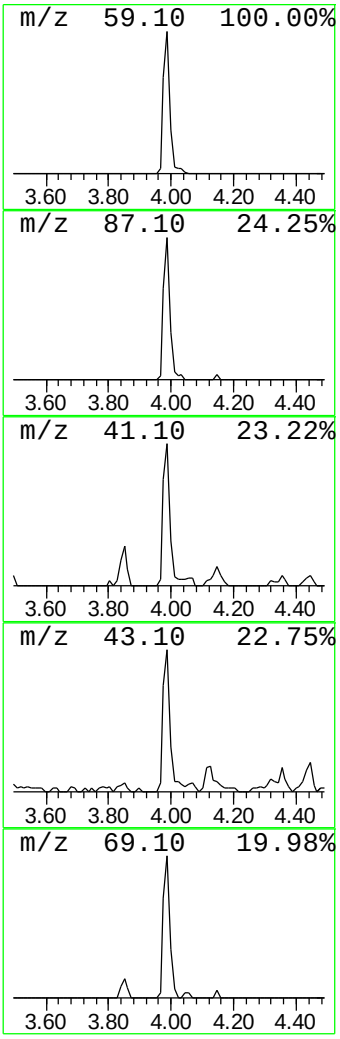
Peak Number 7 2-Butanol, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	10.67 ng	171972	1,4-Dichlorobenzene-d4	7.42

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	56
3	2-Butanone, 3-ethoxy-3-methyl-	130	C7H14O2	036687-99-7	50
4	3-Heptanol	116	C7H16O	000589-82-2	40
5	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	40





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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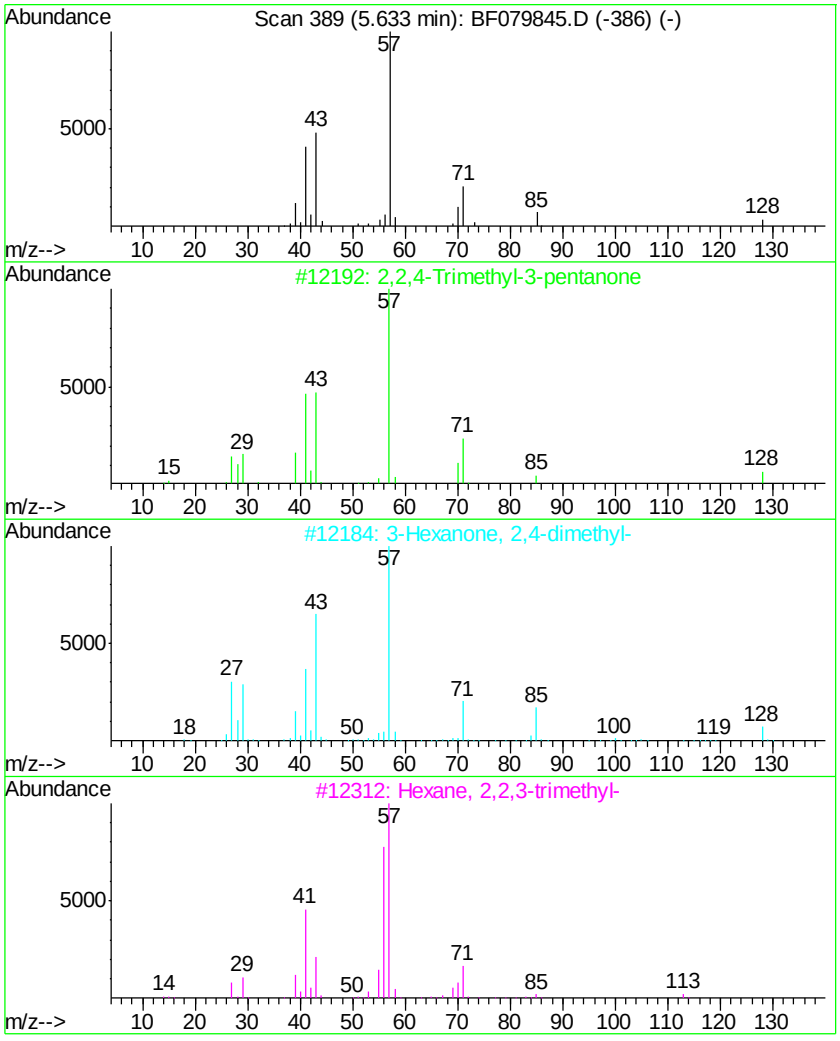
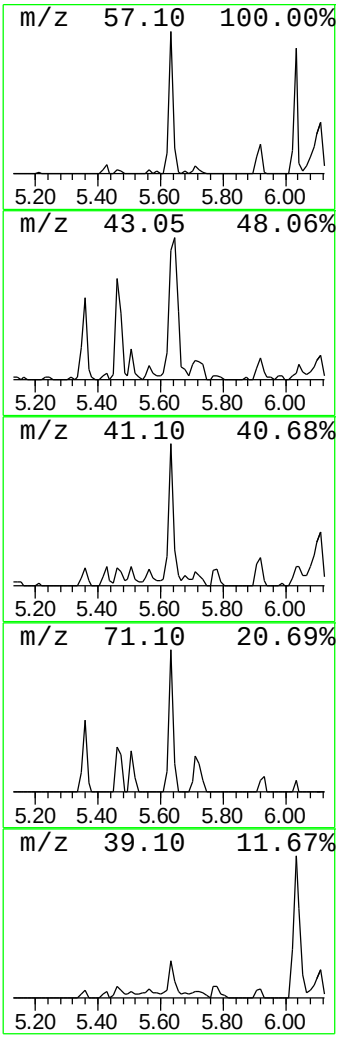
Peak Number 9 2,2,4-Trimethyl-3-pentanone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	7.34 ng	118281	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-pentanone	128	C8H16O	005857-36-3	72
2	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	59
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	40
4	1-Butanol, 2-methyl-, propanoate	144	C8H16O2	002438-20-2	38
5	3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	37





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Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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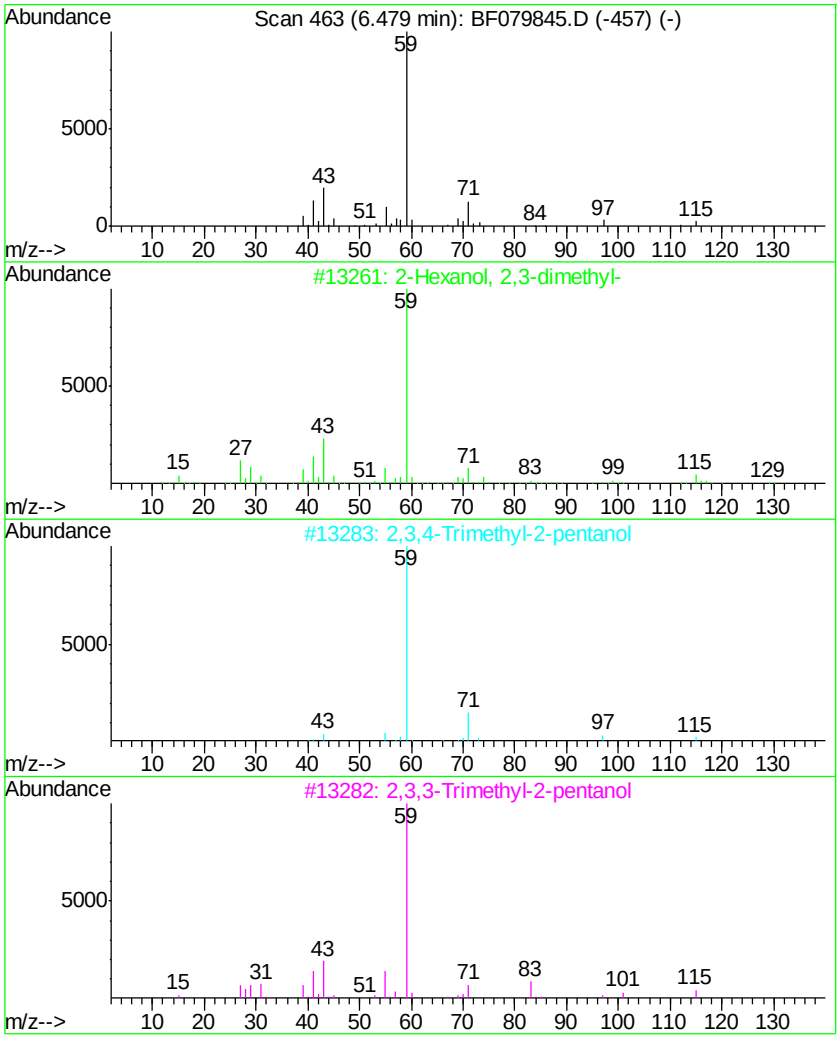
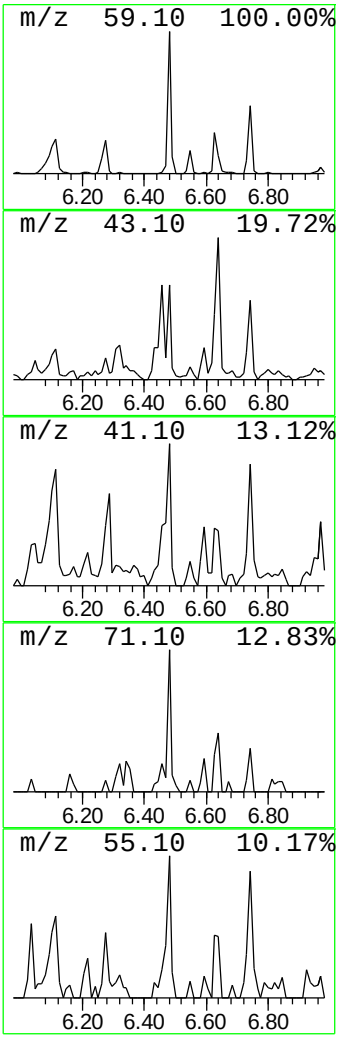
Peak Number 11 2-Hexanol, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	7.82 ng	125959	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	56
2	2,3,4-Trimethyl-2-pentanol	130	C8H18O	066576-26-9	50
3	2,3,3-Trimethyl-2-pentanol	130	C8H18O	023171-85-9	40
4	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	39
5	Butyl aldoxime, 3-methyl-, anti	101	C5H11NO	005775-74-6	39





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Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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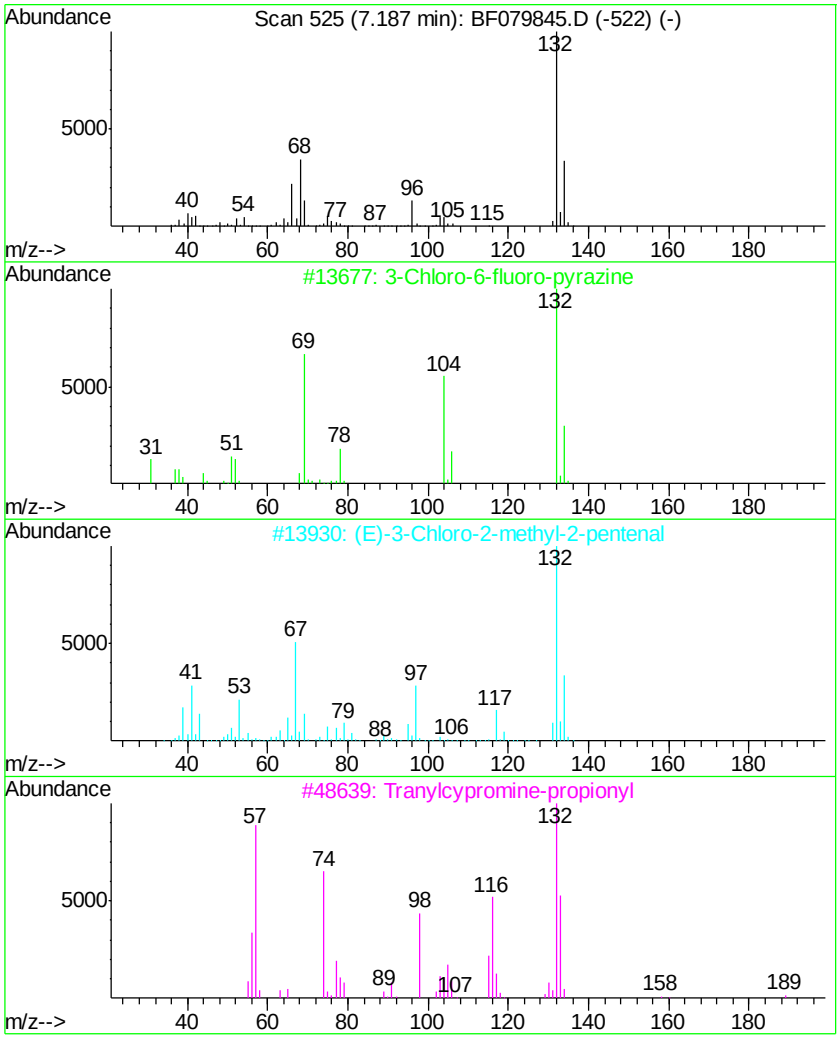
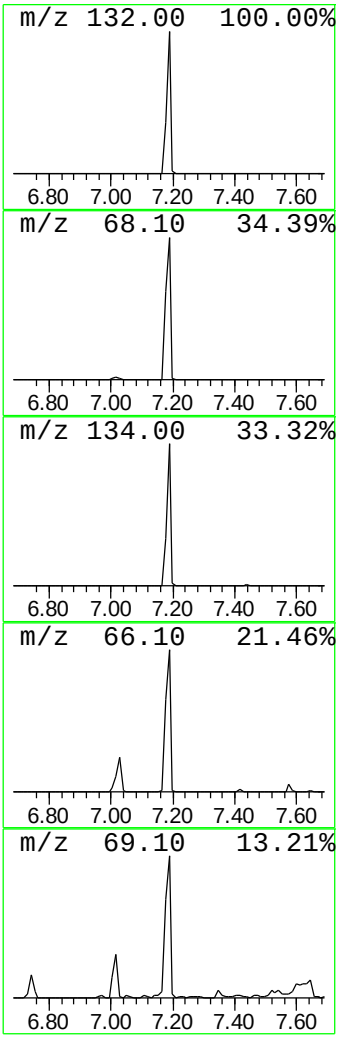
Peak Number 12 unknown7.19 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	63.69 ng	1026380	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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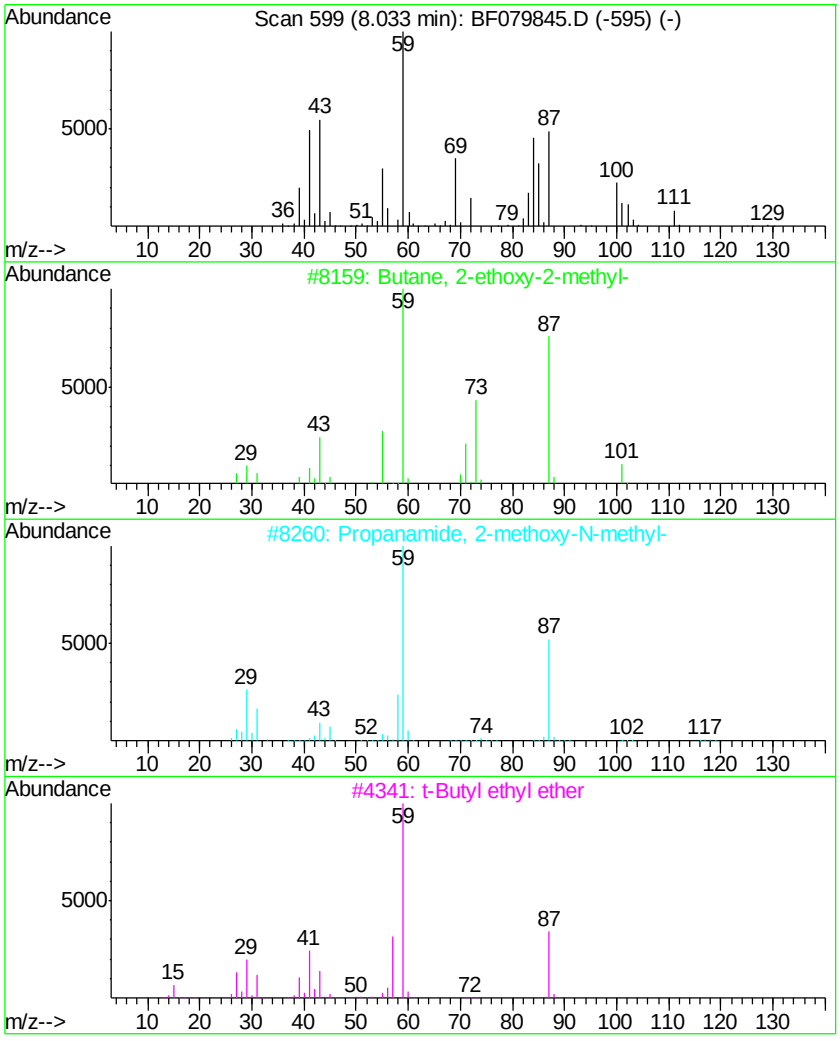
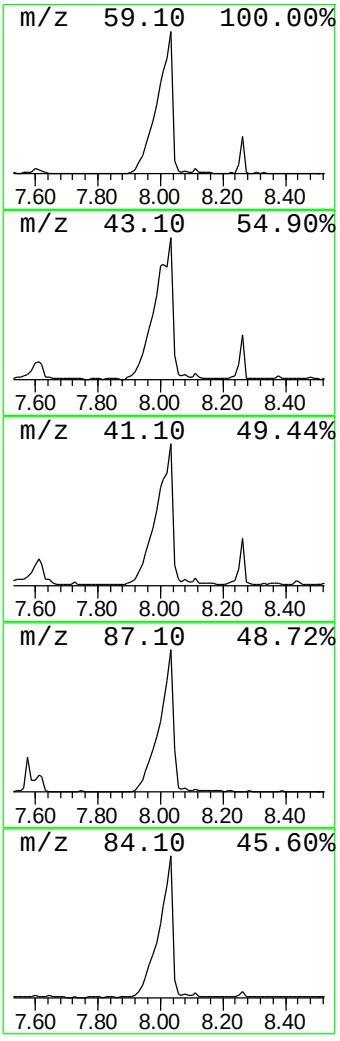
Peak Number 14 unknown8.03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	195.47 ng	3150100	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-ethoxy-2-methyl-	116	C7H16O	000919-94-8	43
2	Propanamide, 2-methoxy-N-methyl-	117	C5H11NO2	1000196-12-6	23
3	t-Butyl ethyl ether	102	C6H14O	1000118-18-4	23
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	23
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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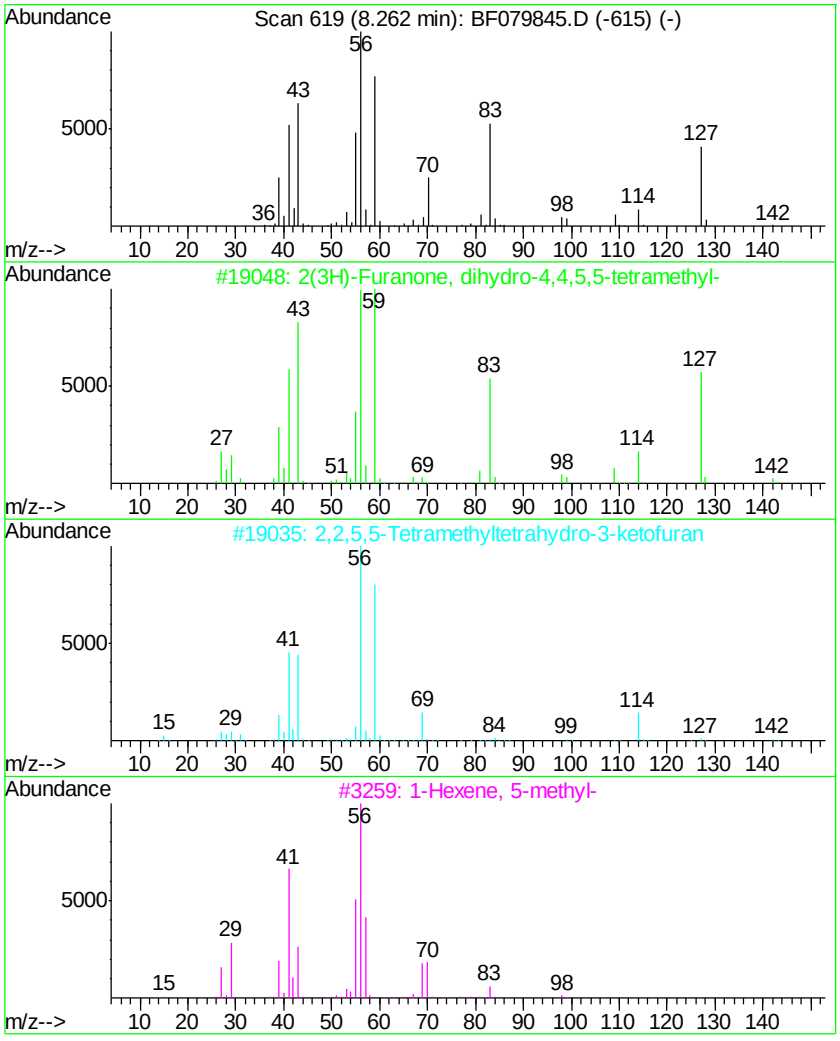
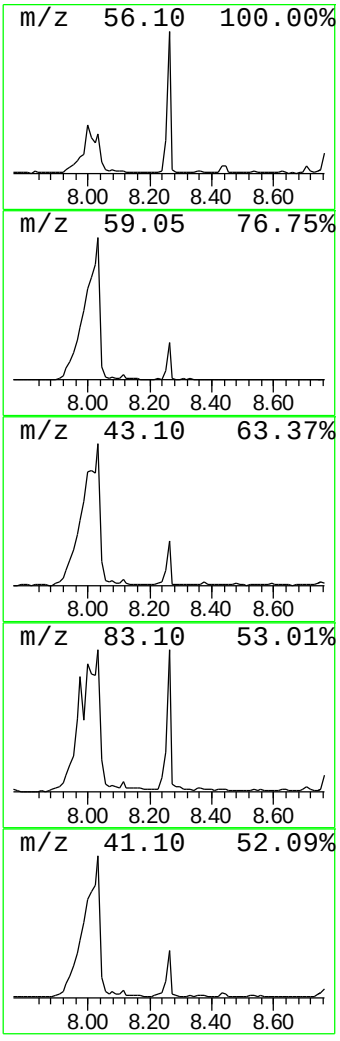
Peak Number 15 2(3H)-Furanone, dihydro-4,4... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	23.05 ng	526567	Naphthalene-d8	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-4,4,5,5-...	142	C8H14O2	016466-24-3	53
2	2,2,5,5-Tetramethyltetrahydro-3-...	142	C8H14O2	005455-94-7	43
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	30
4	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	22
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	18





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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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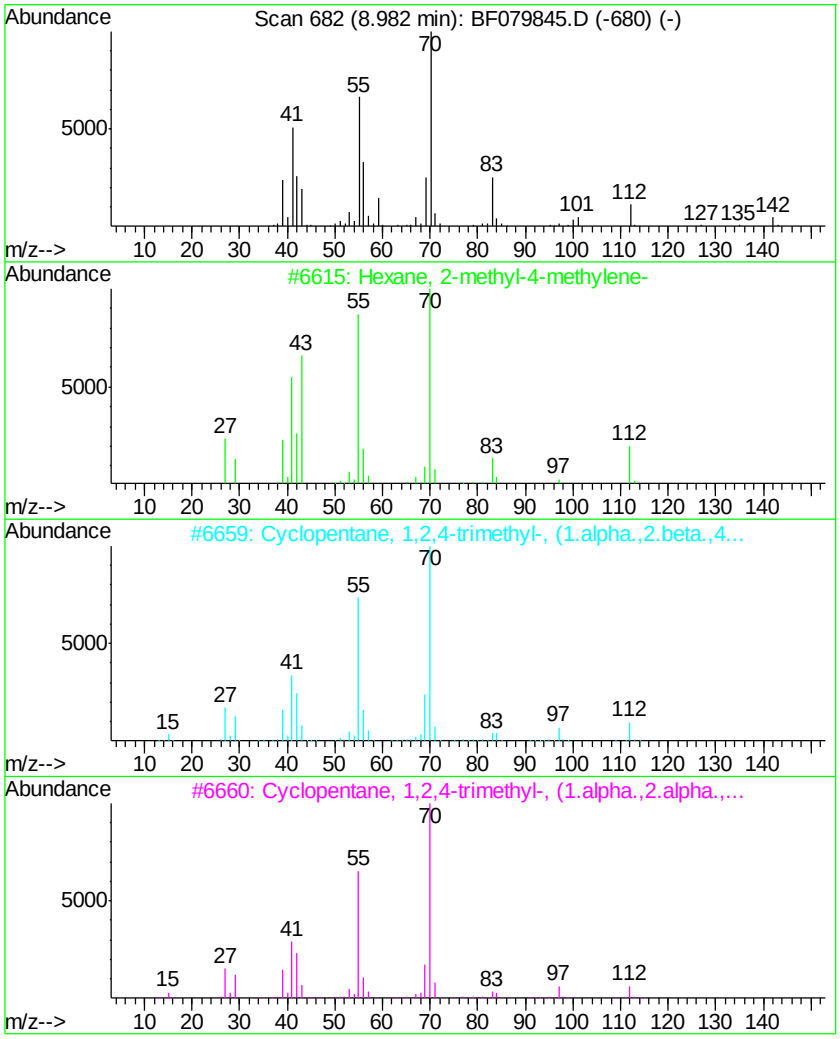
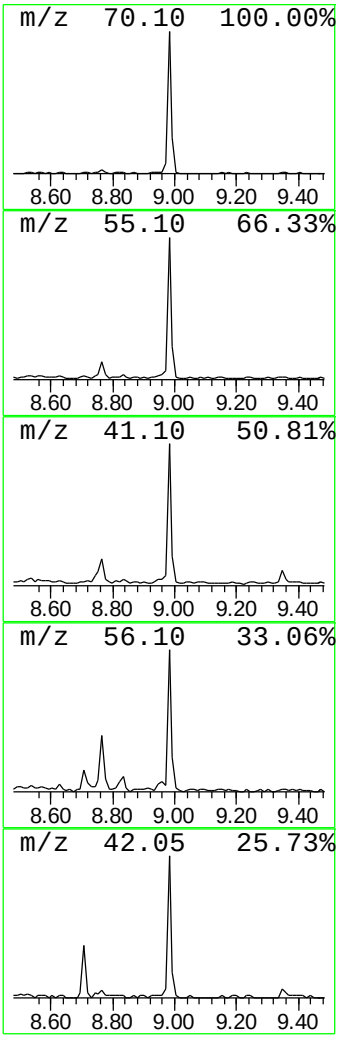
Peak Number 16 Hexane, 2-methyl-4-methylene- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	14.52 ng	331834	Naphthalene-d8	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	58
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	58
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	58
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	58
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060915\
Data File : BF079845.D
Acq On : 9 Jun 2015 21:39
Operator : TP/IZ
Sample : G2542-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z2-0123

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060915.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
Ethene, 1,2-dichl...	1.42	12.3	ng	197534	1	7.42	322305	20.0
Cyclopentane, met...	2.52	13.0	ng	210006	1	7.42	322305	20.0
Butane, 2-methoxy...	2.76	38.4	ng	619012	1	7.42	322305	20.0
2-Butanol, 2,3-di...	3.99	10.7	ng	171972	1	7.42	322305	20.0
2,2,4-Trimethyl-3...	5.63	7.3	ng	118281	1	7.42	322305	20.0
2-Hexanol, 2,3-di...	6.48	7.8	ng	125959	1	7.42	322305	20.0
unknown7.19	7.19	63.7	ng	1026380	1	7.42	322305	20.0
unknown8.03	8.03	195.5	ng	3150100	1	7.42	322305	20.0
2(3H)-Furanone, d...	8.26	23.1	ng	526567	2	8.71	456930	20.0
Hexane, 2-methyl-...	8.98	14.5	ng	331834	2	8.71	456930	20.0