LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021221.D
Acq On : 2 Mar 2016 20:21
Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

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-BG022916.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	3.052	31	36	53	rVB	847627	1117970	100.00%	17.384%
2	5.237	401	408	416	rBV	52991	83679	7.48%	1.301%
3	5.702	481	487	499	rVB	265321	422378	37.78%	6.568%
4	7.300	752	759	771	rBV	289362	505581	45.22%	7.862%
5	7.676	815	823	833	rBB	288895	486830	43.55%	7.570%
6	8.146	896	903	909	rBB	44643	72200	6.46%	1.123%
7	8.469	951	958	965	rBV	174244	296577	26.53%	4.612%
8	9.309	1094	1101	1112	rBB	184984	324980	29.07%	5.053%
9	9.421	1113	1120	1124	rBB2	6954	11367	1.02%	0.177%
10	10.954	1374	1381	1388	rBV	69966	122318	10.94%	1.902%
11	13.381	1788	1794	1804	rBV	374195	569941	50.98%	8.862%
12	14.203	1928	1934	1940	rBV	69344	97718	8.74%	1.519%
13	14.756	2021	2028	2038	rVB2	100428	165305	14.79%	2.570%
14	15.578	2164	2168	2172	rVB	14509	17534	1.57%	0.273%
15	16.242	2275	2281	2291	rVB2	340461	522802	46.76%	8.129%
16	16.436	2309	2314	2322	rBV2	16651	27800	2.49%	0.432%
17	17.229	2444	2449	2452	rBV	9780	12198	1.09%	0.190%
18	17.494	2488	2494	2500	rBV2	127226	187188	16.74%	2.911%
19	18.357	2637	2641	2647	rBV2	22348	35237	3.15%	0.548%
20	20.091	2930	2936	2941	rVB	718027	928536	83.06%	14.438%
21	21.765	3216	3221	3228	rVB	136855	233126	20.85%	3.625%
22	25.044	3772	3779	3788	rVB2	69812	189780	16.98%	2.951%

Sum of corrected areas: 6431045

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021221.D
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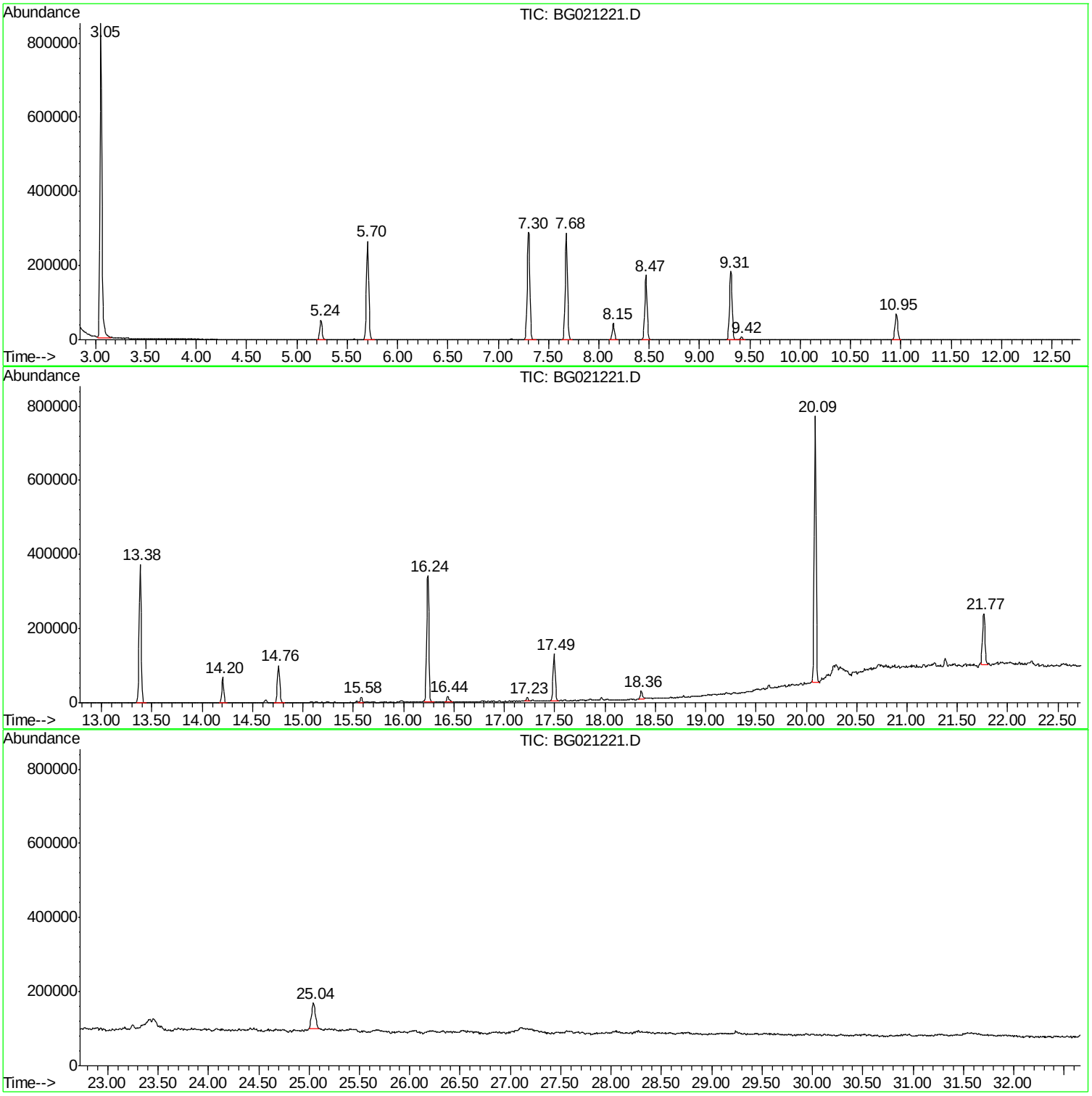
Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021221.D
Acq On : 2 Mar 2016 20:21
Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

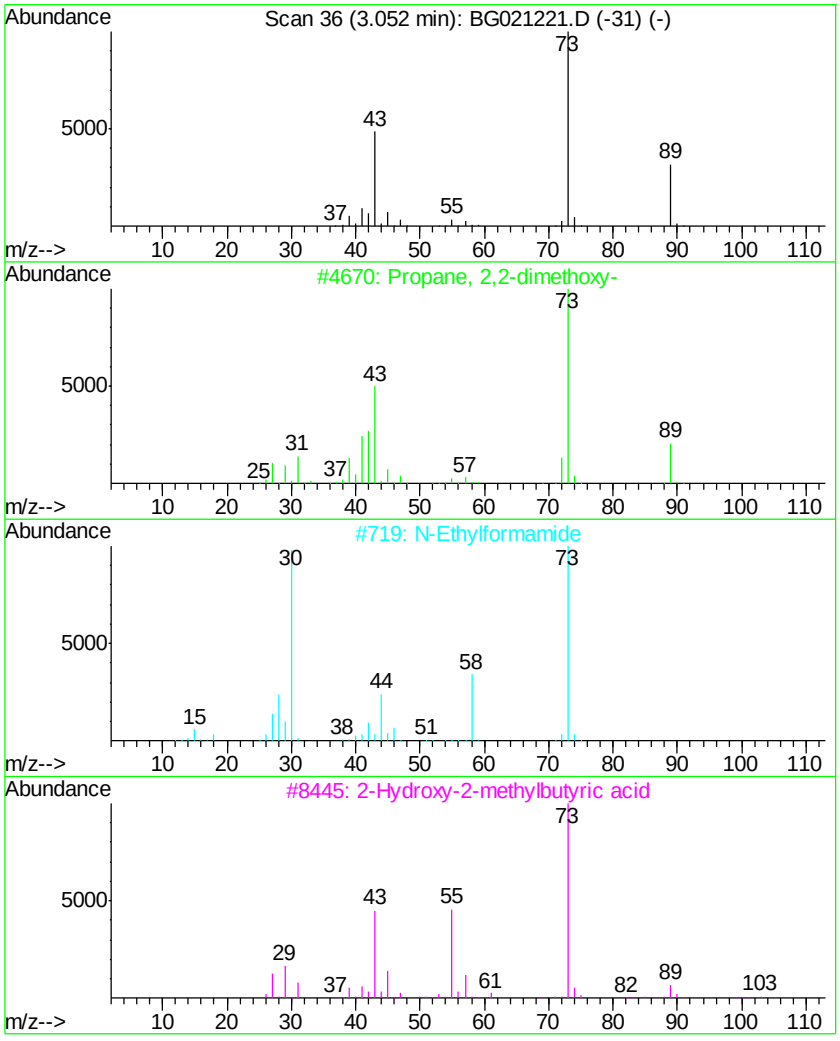
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

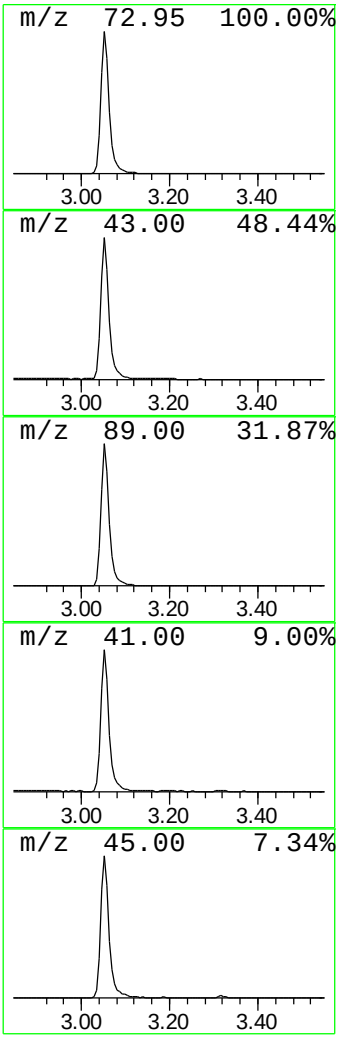
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	309.69 ng	1117970	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021221.D
Acq On : 2 Mar 2016 20:21
Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.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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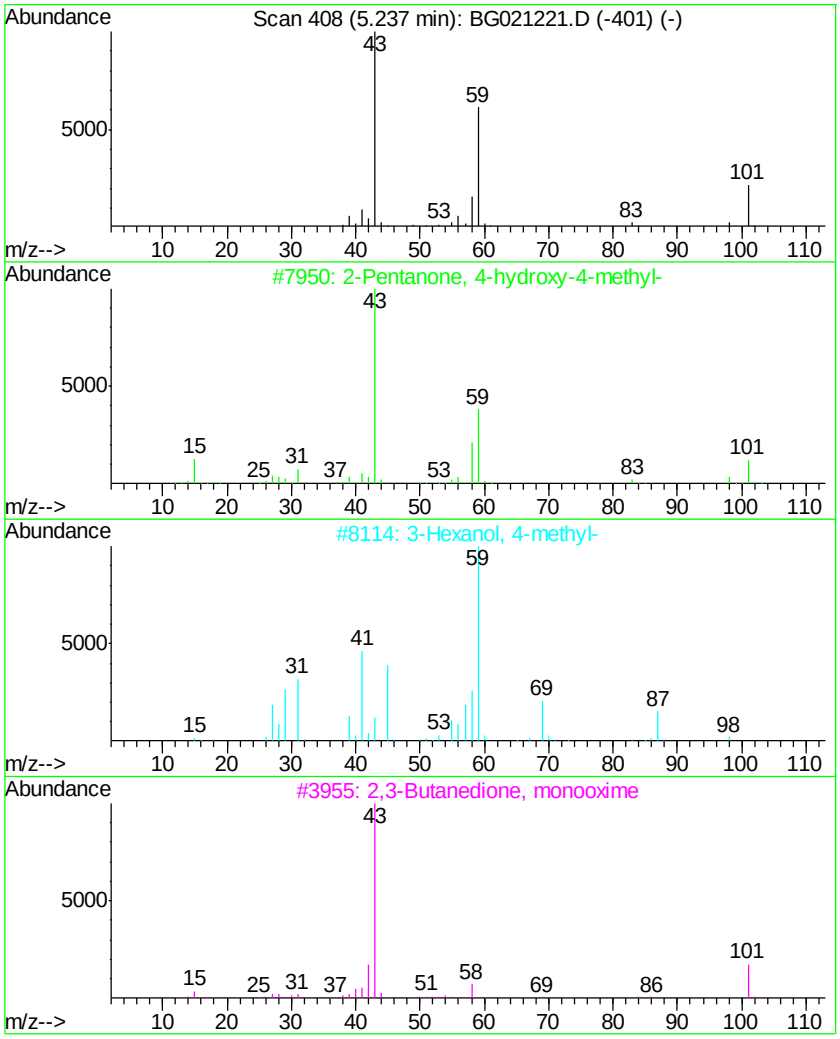
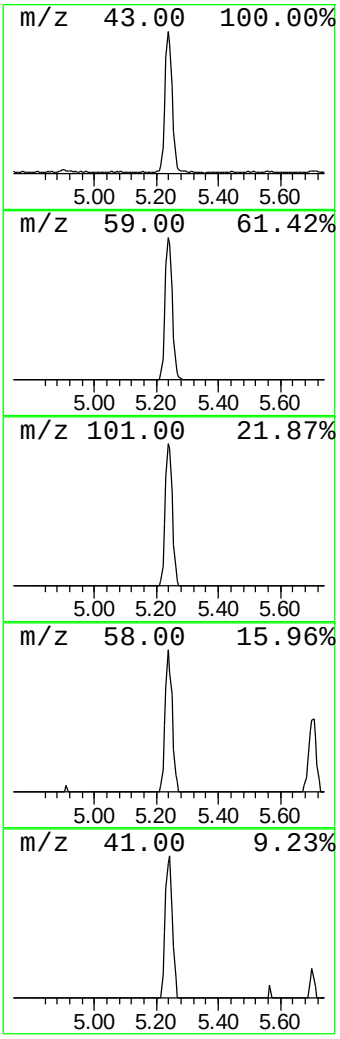
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	23.18 ng	83679	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021221.D
Acq On : 2 Mar 2016 20:21
Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

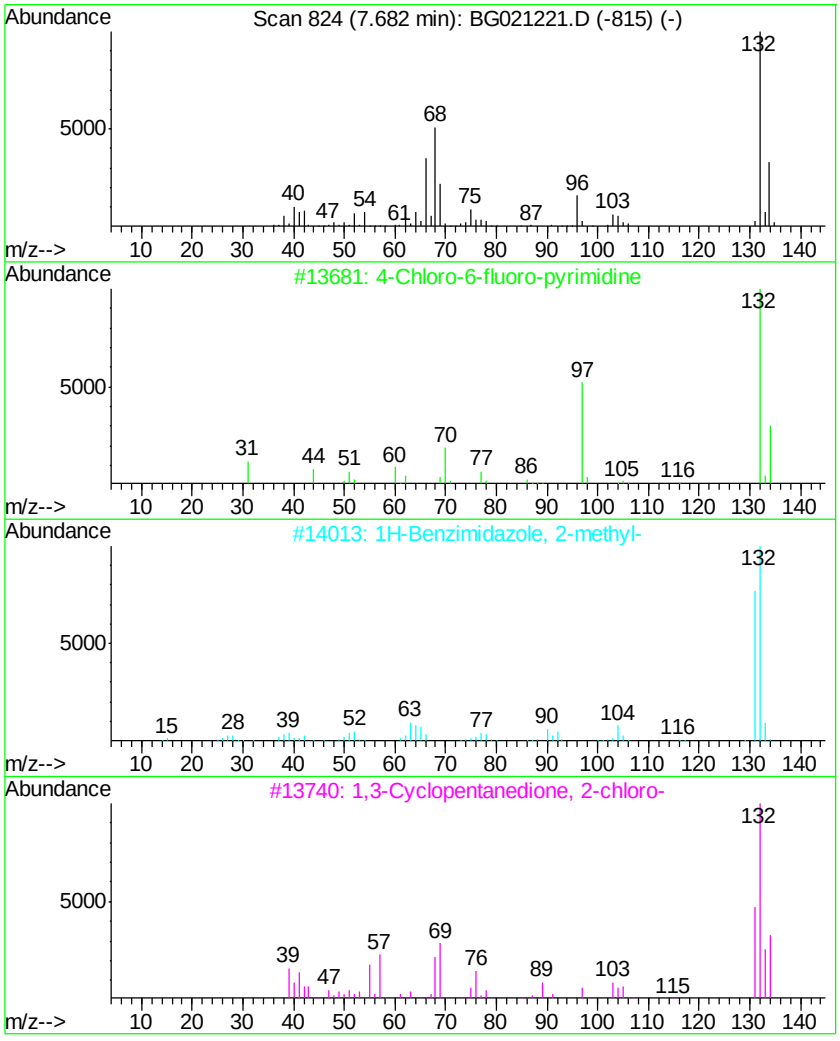
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

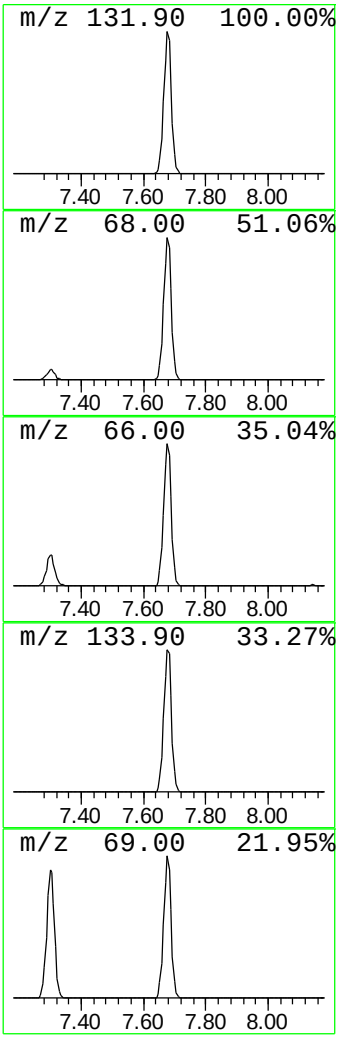
****

Peak Number 3 unknown7.68 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	134.86 ng	486830	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021221.D
Acq On : 2 Mar 2016 20:21
Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.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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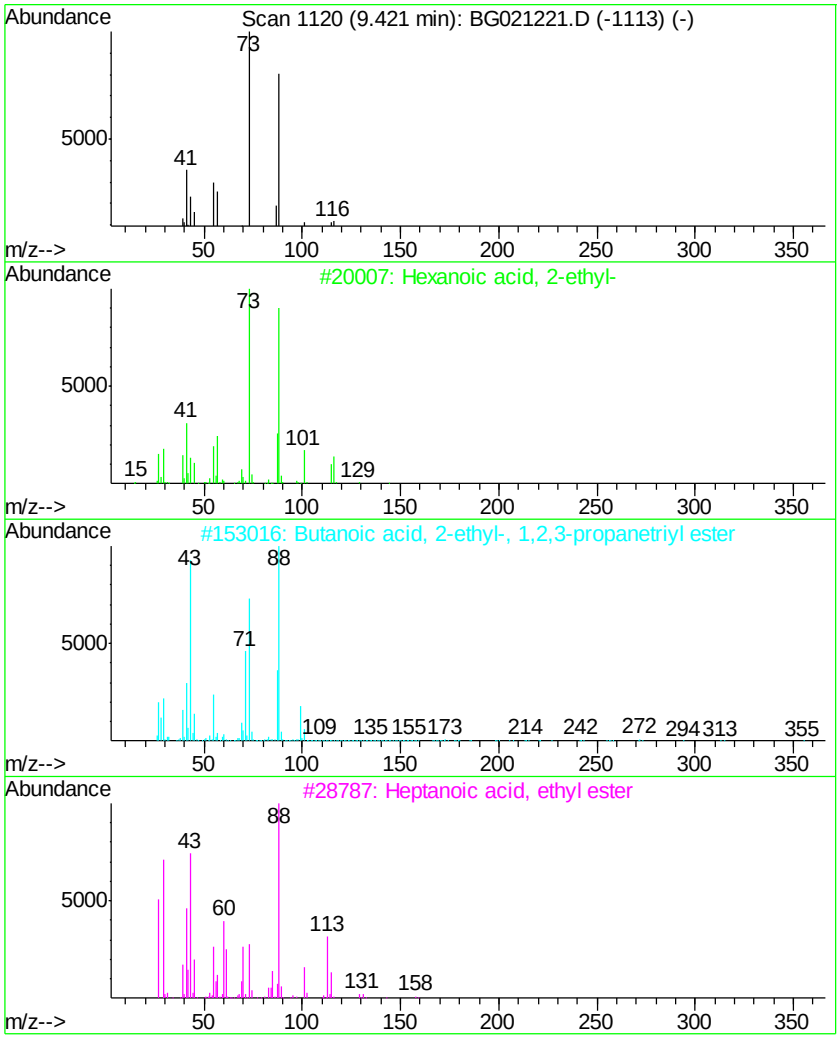
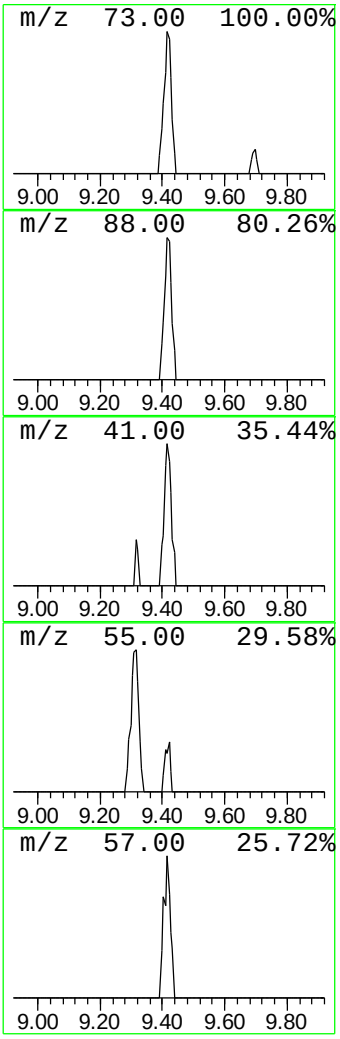
Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	3.15 ng	11367	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	72
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	10
3	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	9
4	Hexanamide, 6-(heptyloxy)-	229	C13H27NO2	055191-08-7	9
5	3,5-Dihydroxy-2H-1,2,4-oxadiazine	116	C3H4N2O3	1000214-68-3	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
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Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

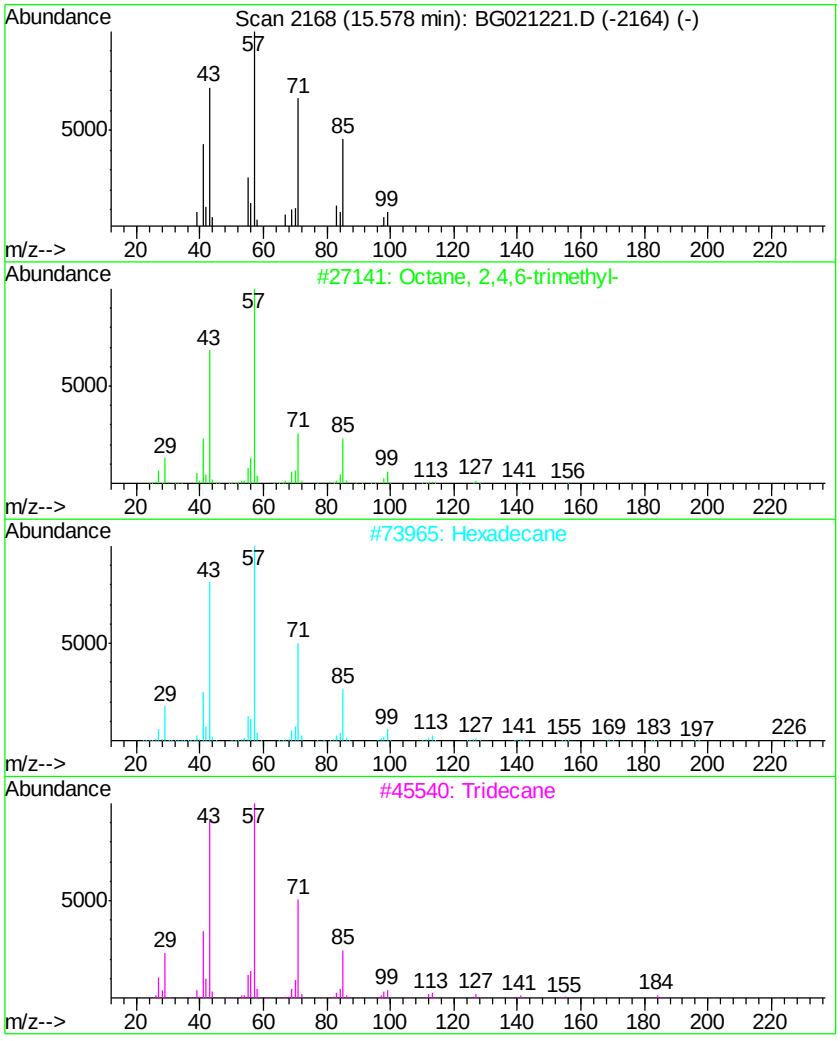
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

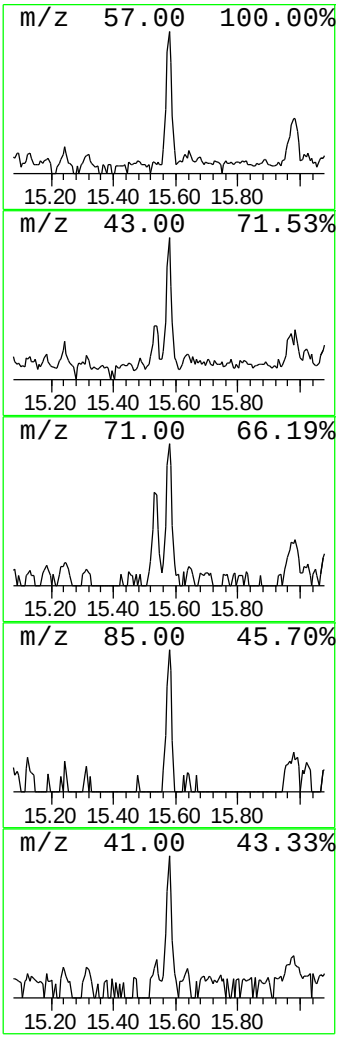
****

Peak Number 6 Octane, 2,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	2.12 ng	17534	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
2	Hexadecane	226	C16H34	000544-76-3	64
3	Tridecane	184	C13H28	000629-50-5	50
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	45
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.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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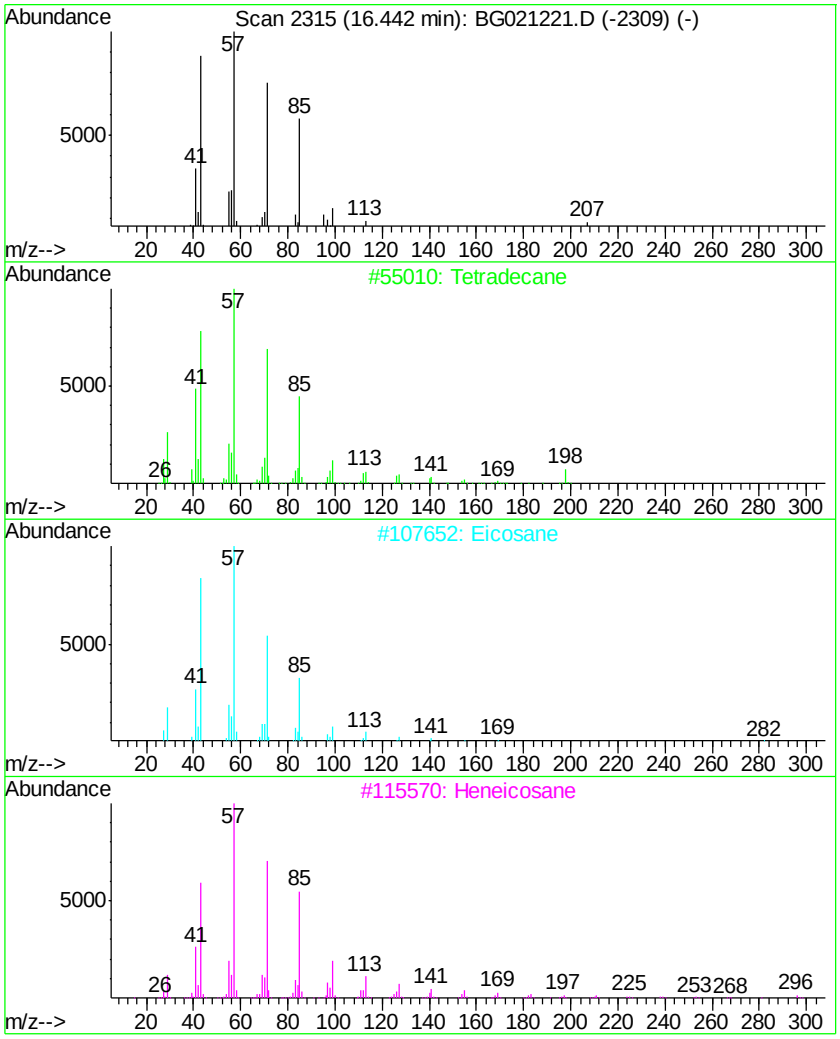
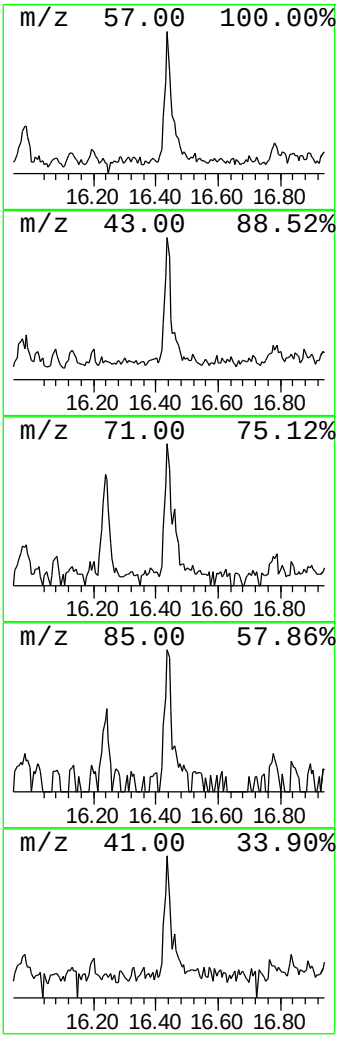
Peak Number 7 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.97 ng	27800	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	80
2	Eicosane	282	C20H42	000112-95-8	80
3	Heneicosane	296	C21H44	000629-94-7	72
4	Pentadecane	212	C15H32	000629-62-9	72
5	Nonacosane	408	C29H60	000630-03-5	72





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Operator : UM/SJ
Sample : H1640-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EAST-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

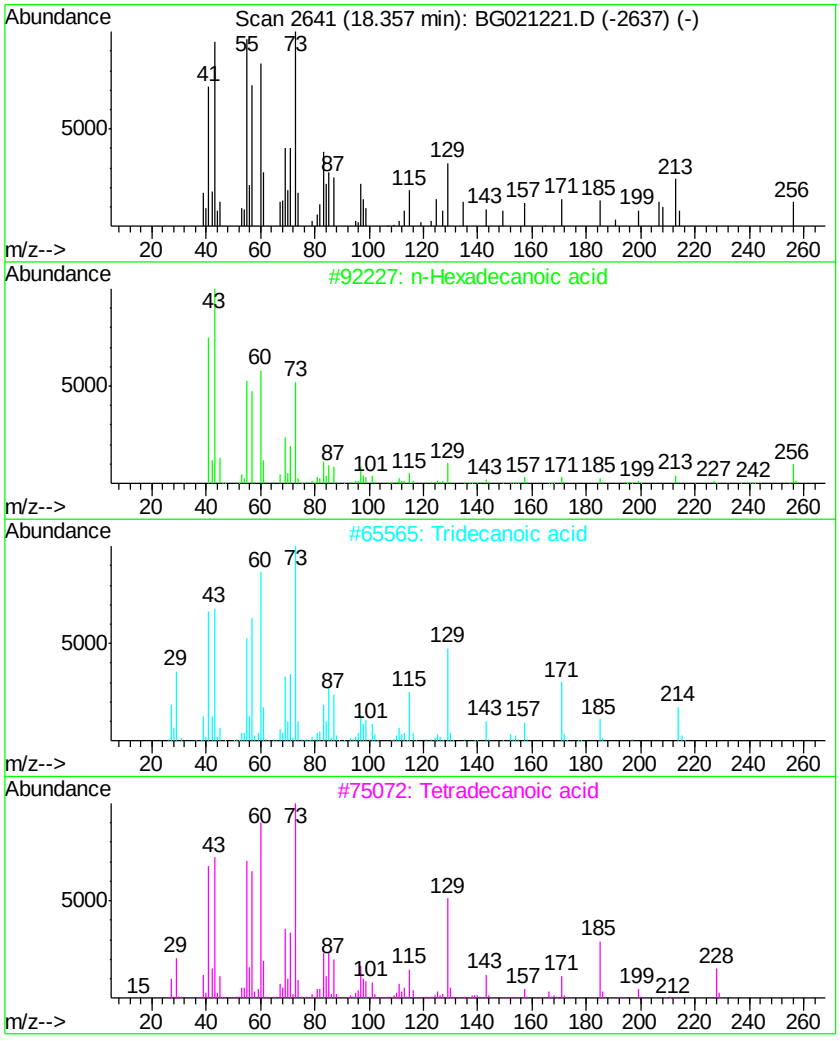
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

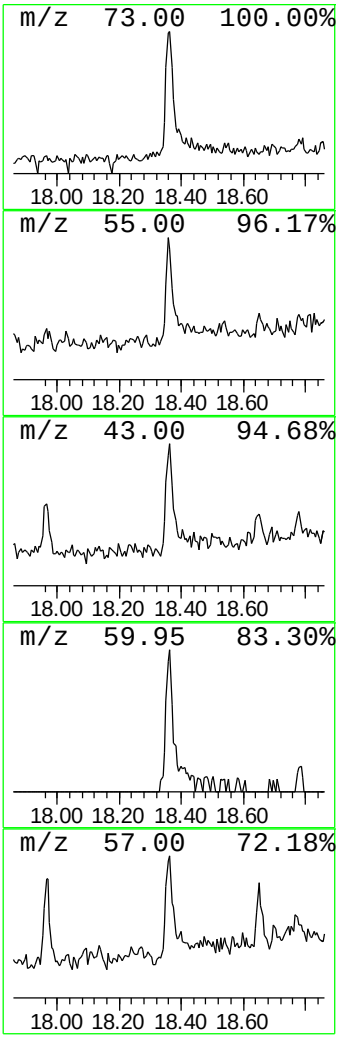
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	3.76 ng	35237	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
5	Undecanoic acid	186	C11H22O2	000112-37-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030216\
Data File : BG021221.D
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Operator : UM/SJ
Sample : H1640-02
Misc :
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Instrument : BNA_G
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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
Propane, 2,2-dime...	3.05	309.7	ng	1117970	1	8.15	72200	20.0
2-Pentanone, 4-hy...	5.24	23.2	ng	83679	1	8.15	72200	20.0
unknown7.68	7.68	134.9	ng	486830	1	8.15	72200	20.0
Hexanoic acid, 2-...	9.42	3.1	ng	11367	1	8.15	72200	20.0
Octane, 2,4,6-tri...	15.58	2.1	ng	17534	3	14.76	165305	20.0
Tetradecane	16.44	3.0	ng	27800	4	17.49	187188	20.0
n-Hexadecanoic acid	18.36	3.8	ng	35237	4	17.49	187188	20.0