LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-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	2.903	7	11	28	rVB4	9190	25746	2.10%	0.406%
2	3.050	31	36	56	rVV	928008	1226810	100.00%	19.366%
3	5.230	400	407	416	rBV	48258	75472	6.15%	1.191%
4	5.700	480	487	499	rVB	233985	385122	31.39%	6.079%
5	7.298	751	759	770	rBV	273469	474476	38.68%	7.490%
6	7.674	815	823	831	rBV	258090	449325	36.63%	7.093%
7	8.138	896	902	909	rBB	39030	64022	5.22%	1.011%
8	8.461	951	957	965	rBV	169766	293360	23.91%	4.631%
9	9.307	1093	1101	1111	rBV	177544	312465	25.47%	4.933%
10	9.407	1111	1118	1124	rVB2	9252	15422	1.26%	0.243%
11	10.952	1373	1381	1388	rBB	64525	112307	9.15%	1.773%
12	13.379	1787	1794	1804	rVB	423555	646231	52.68%	10.201%
13	14.201	1928	1934	1941	rBB	76134	110672	9.02%	1.747%
14	14.754	2022	2028	2035	rVB2	95613	154373	12.58%	2.437%
15	15.576	2163	2168	2172	rVB	14857	19367	1.58%	0.306%
16	16.234	2274	2280	2287	rVB2	339288	496846	40.50%	7.843%
17	16.434	2309	2314	2322	rBV	16513	30639	2.50%	0.484%
18	17.221	2444	2448	2452	rBV	11859	14381	1.17%	0.227%
19	17.492	2488	2494	2501	rBV	114252	171803	14.00%	2.712%
20	17.844	2550	2554	2564	rBV2	12636	19794	1.61%	0.312%
21	20.083	2929	2935	2940	rBV	671715	840901	68.54%	13.274%
22	21.375	3151	3155	3162	rBV8	13279	22457	1.83%	0.355%
23	21.757	3214	3220	3228	rVB	123272	200366	16.33%	3.163%
24	25.030	3769	3777	3786	rVB2	60041	172440	14.06%	2.722%

Sum of corrected areas: 6334797

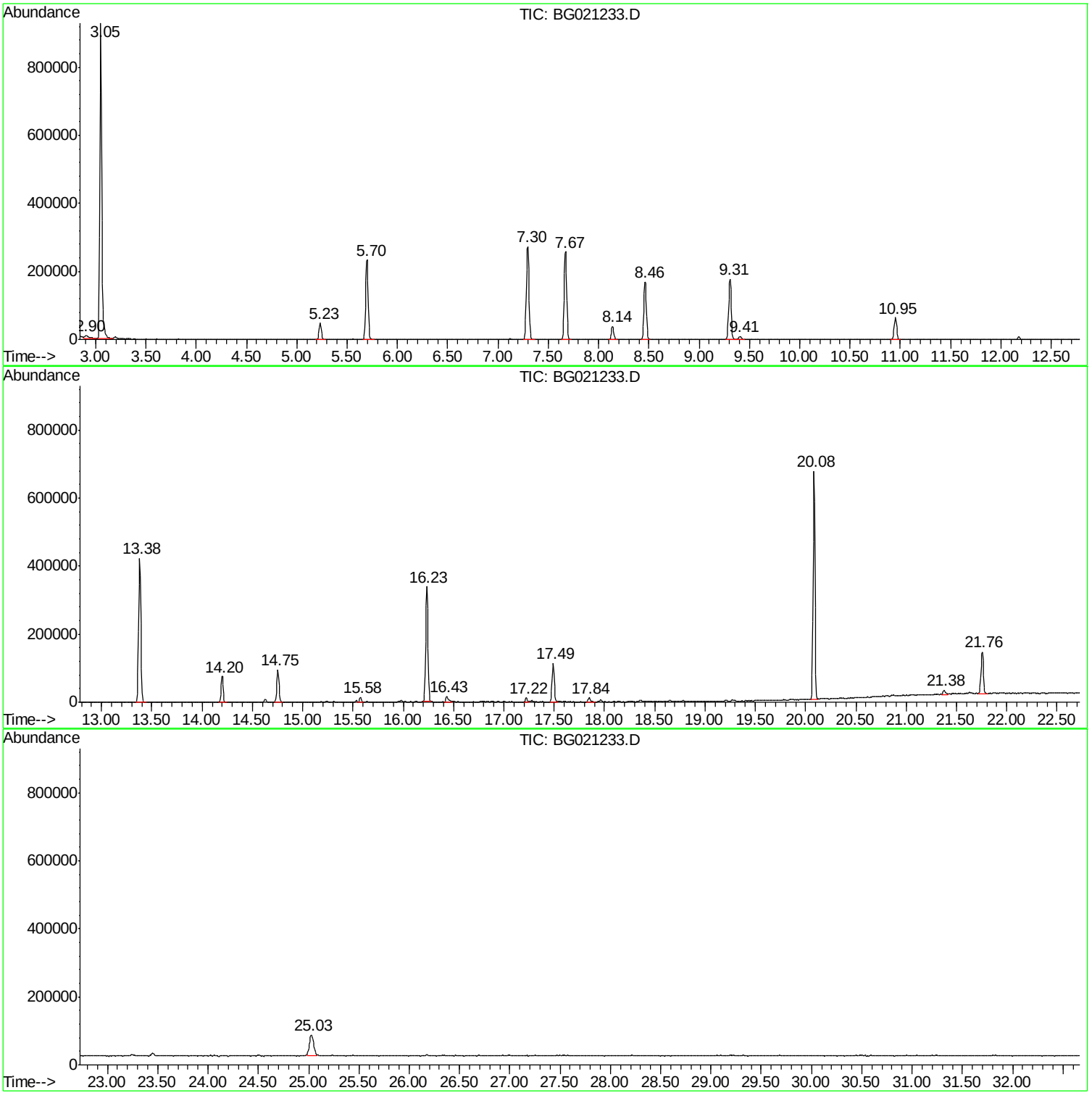
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

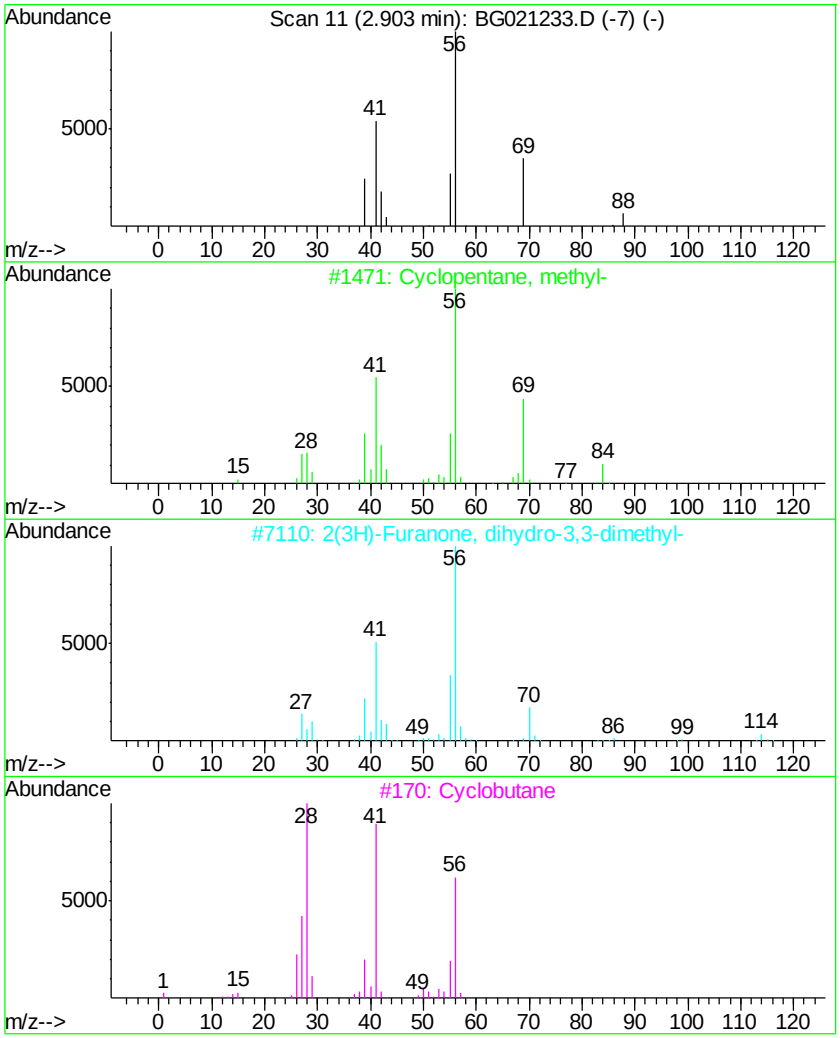
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

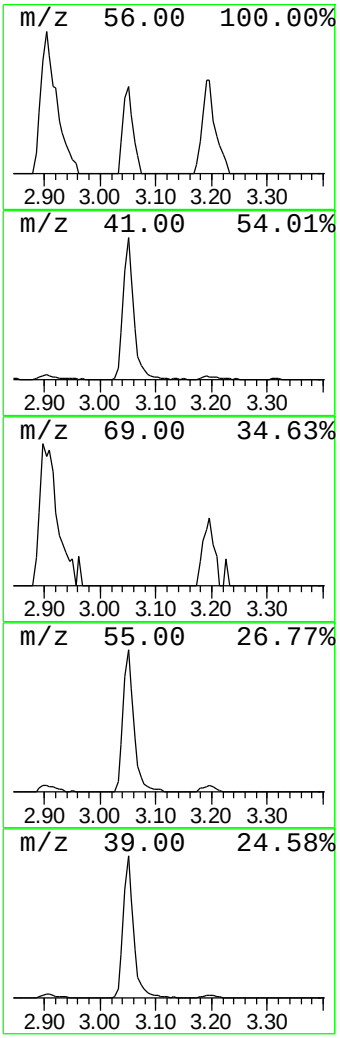
****

Peak Number 1 unknown2.90 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	8.04 ng	25746	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	43
2	2(3H)-Furanone, dihydro-3,3-dime...	114	C6H10O2	003709-08-8	9
3	Cyclobutane	56	C4H8	000287-23-0	5
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	4
5	3-Buten-1-ol, 2-methyl-	86	C5H10O	004516-90-9	3





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

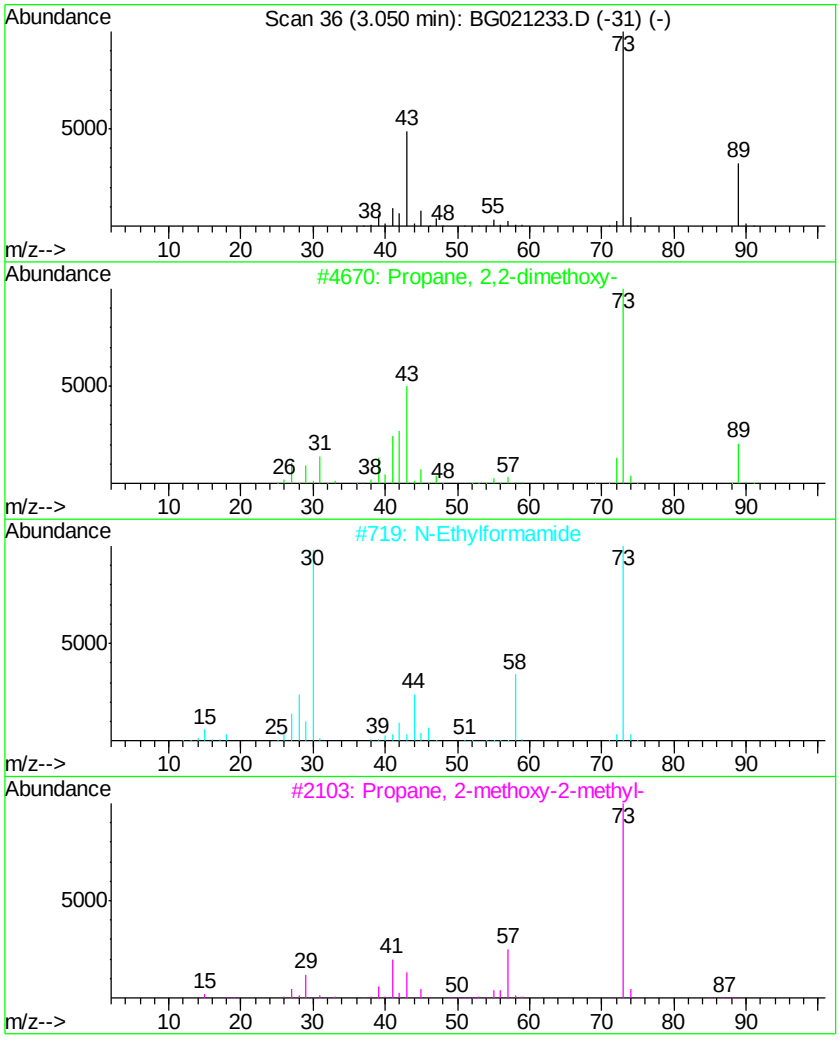
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

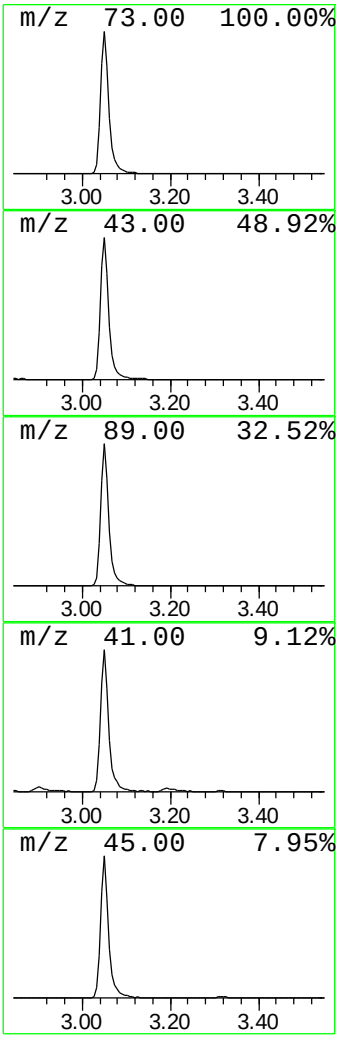
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	383.25 ng	1226810	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

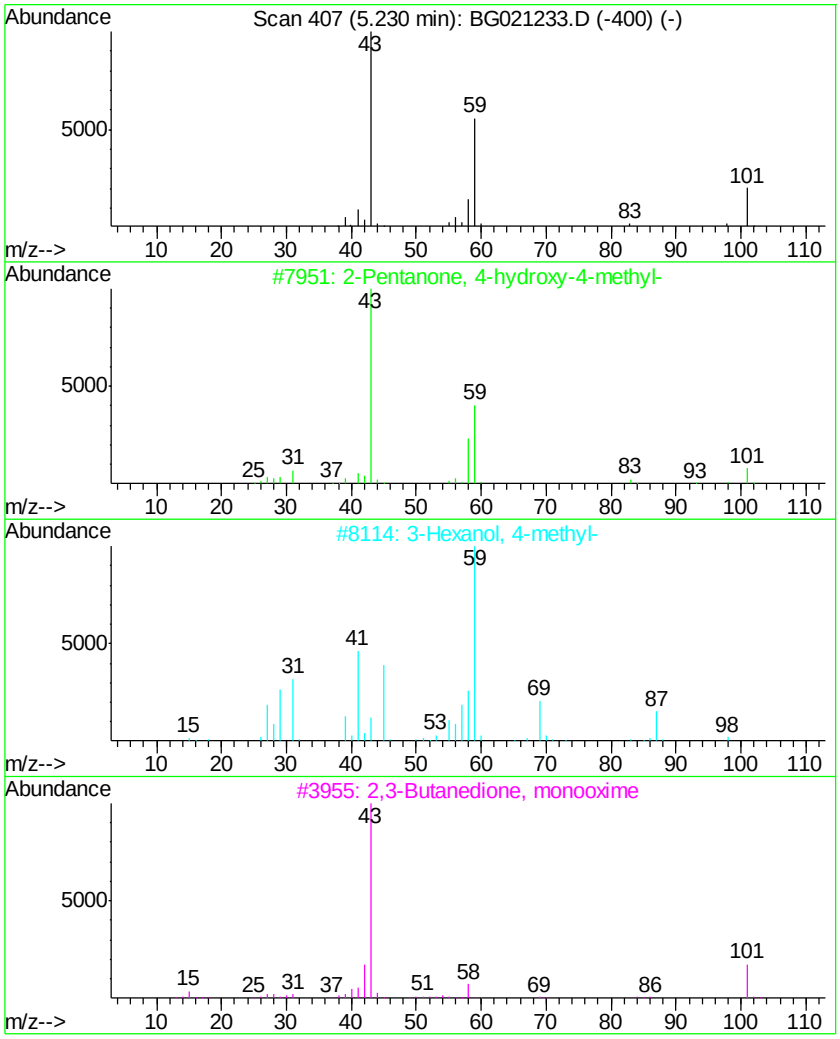
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

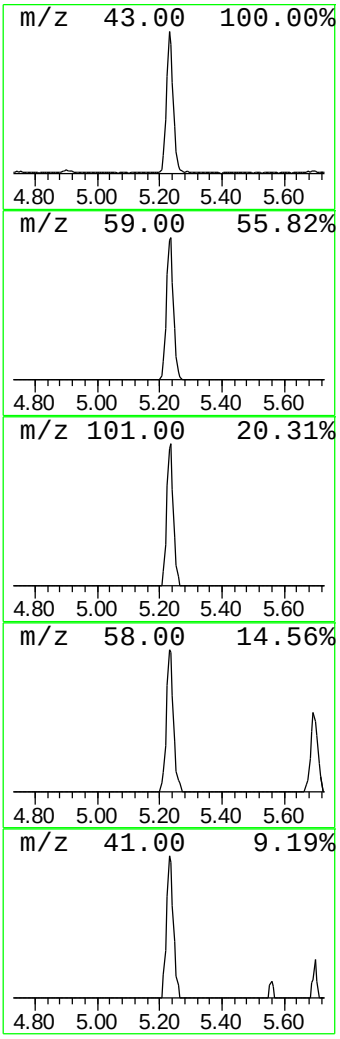
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	23.58 ng	75472	1,4-Dichlorobenzene-d4	8.14

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	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9
5	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

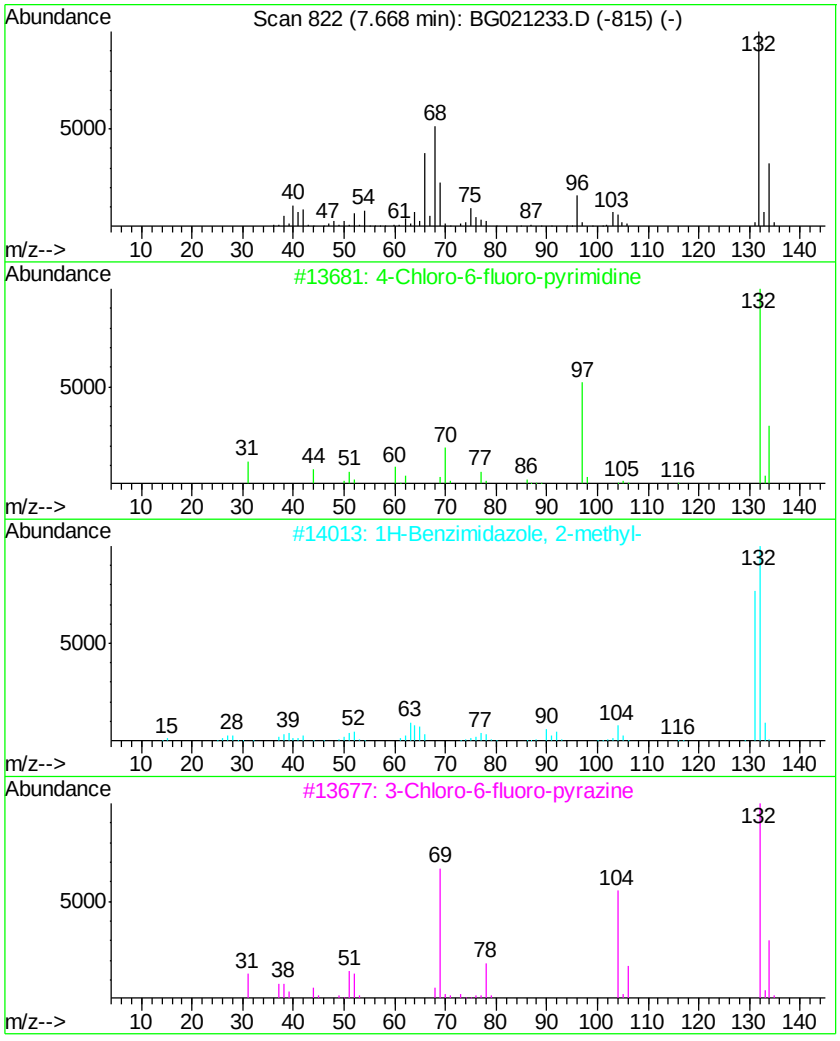
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

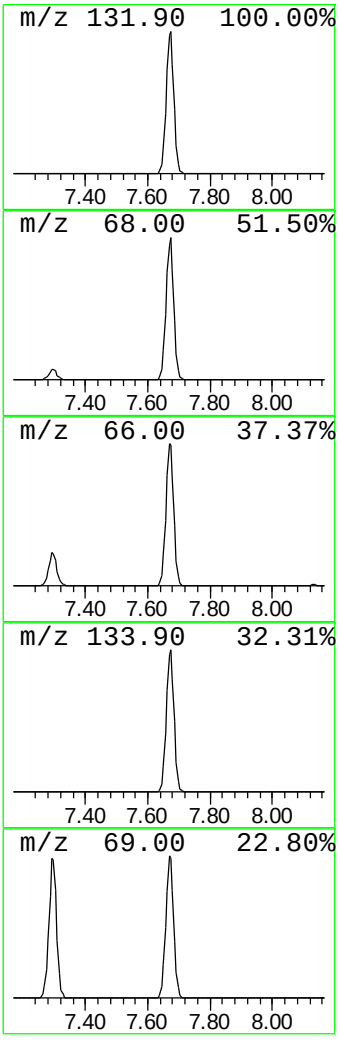
****

Peak Number 4 unknown7.67 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	140.37 ng	449325	1,4-Dichlorobenzene-d4	8.14

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	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

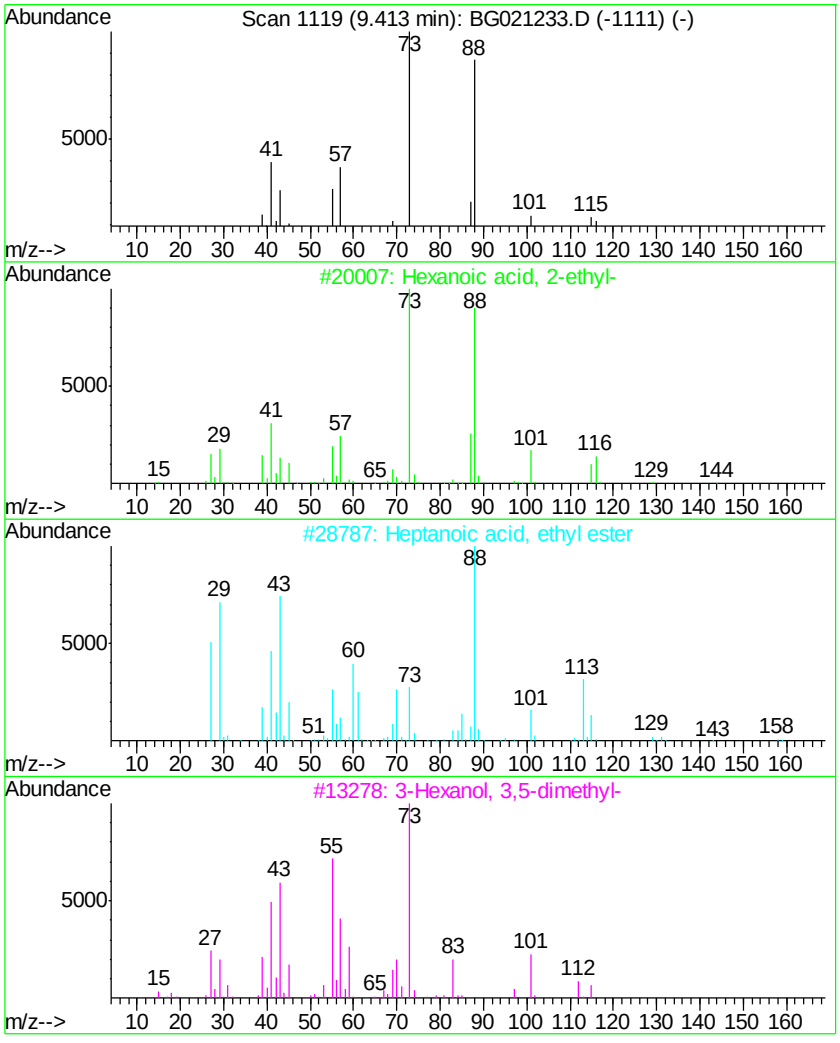
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

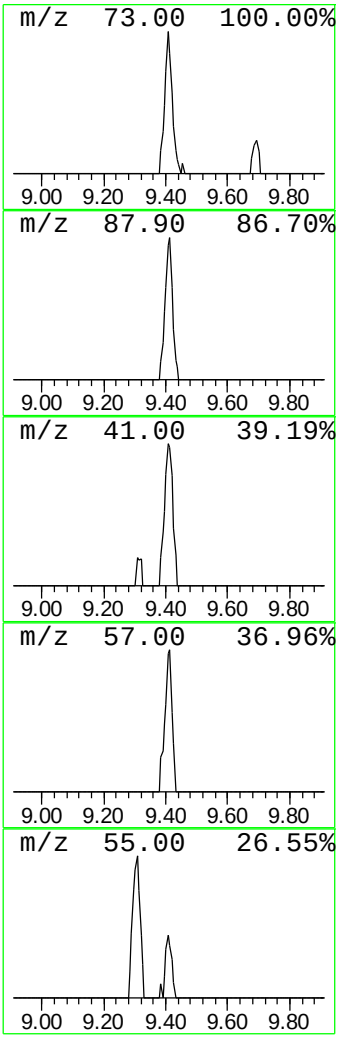
****

Peak Number 6 Hexanoic acid, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	4.82 ng	15422	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
2	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	9
3	3-Hexanol, 3,5-dimethyl-	130	C8H18O	004209-91-0	9
4	5-(Methylamino)-1,2,3,4-thiatria...	116	C2H4N4S	052098-72-3	7
5	1,4-Dioxane	88	C4H8O2	000123-91-1	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

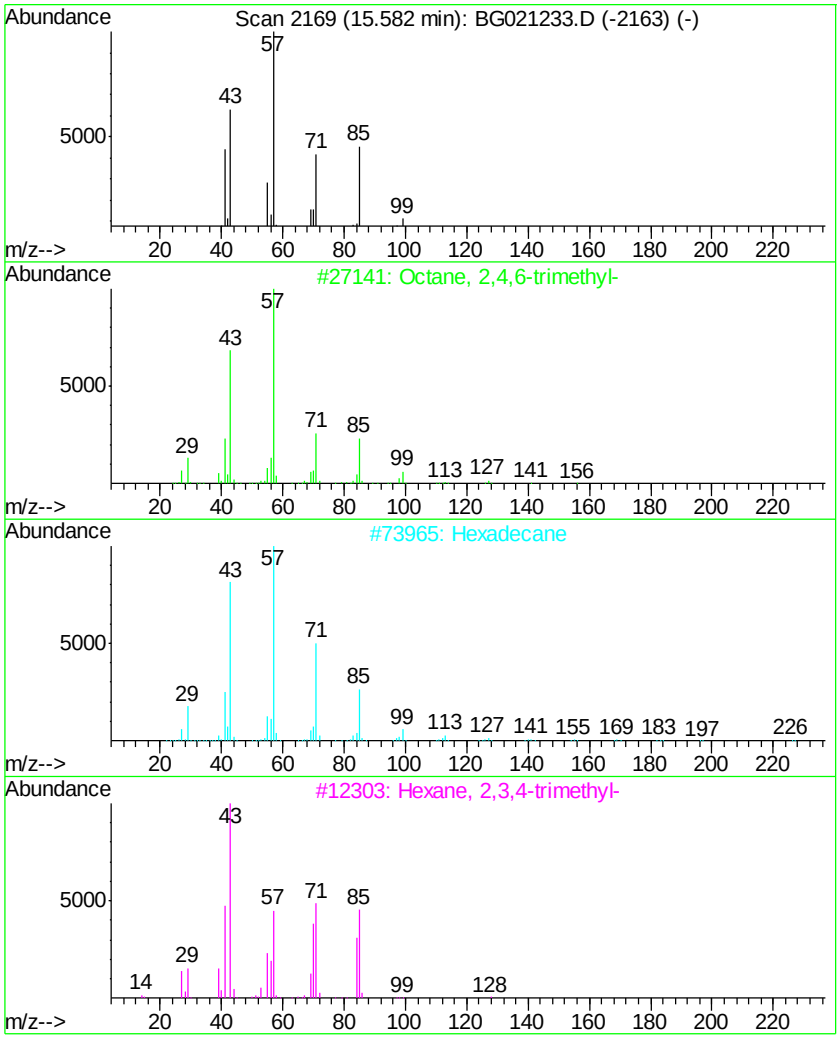
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

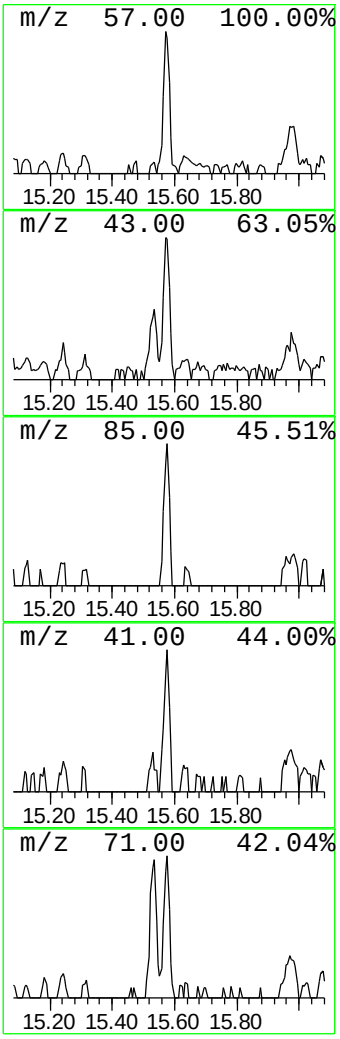
****

Peak Number 7 Octane, 2,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	2.51 ng	19367	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	78
2	Hexadecane	226	C16H34	000544-76-3	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43
4	Tridecane	184	C13H28	000629-50-5	42
5	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	40





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

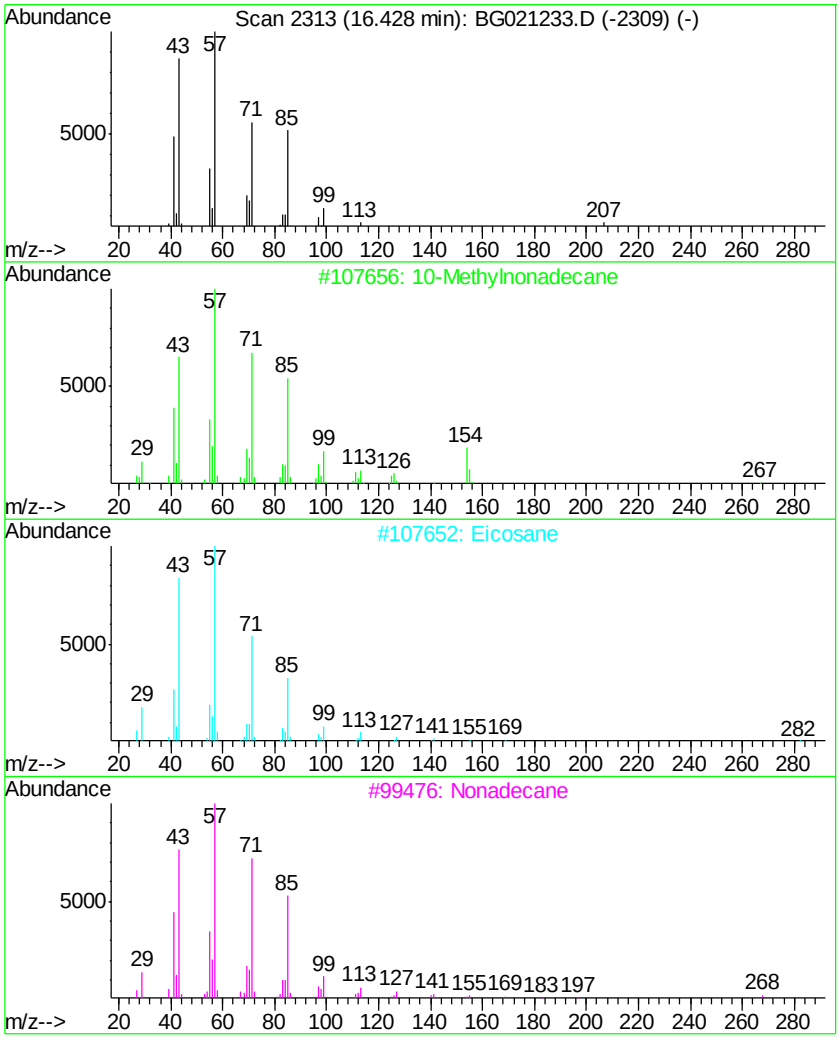
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

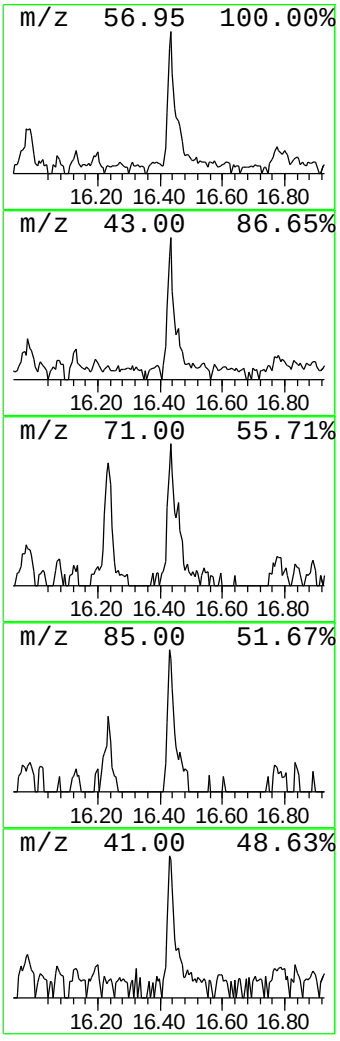
****

Peak Number 8 10-Methylnonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	3.57 ng	30639	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	86
2	Eicosane	282	C20H42	000112-95-8	86
3	Nonadecane	268	C19H40	000629-92-5	80
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	78
5	Pentadecane	212	C15H32	000629-62-9	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

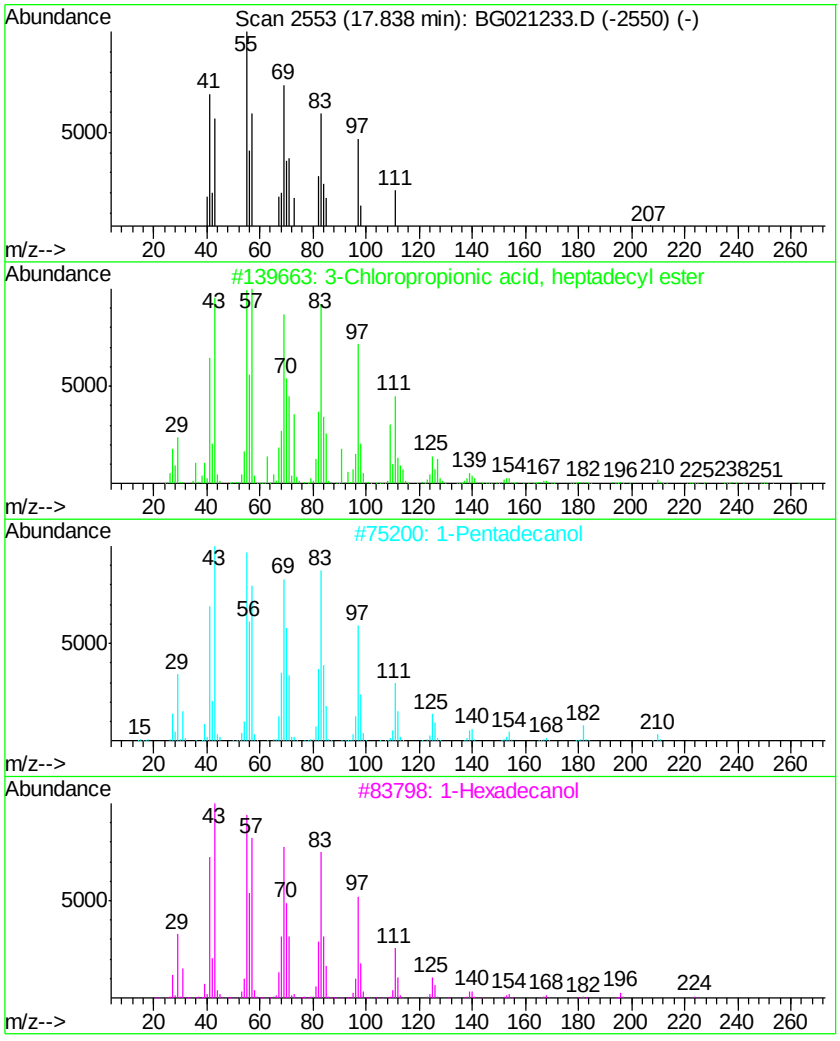
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

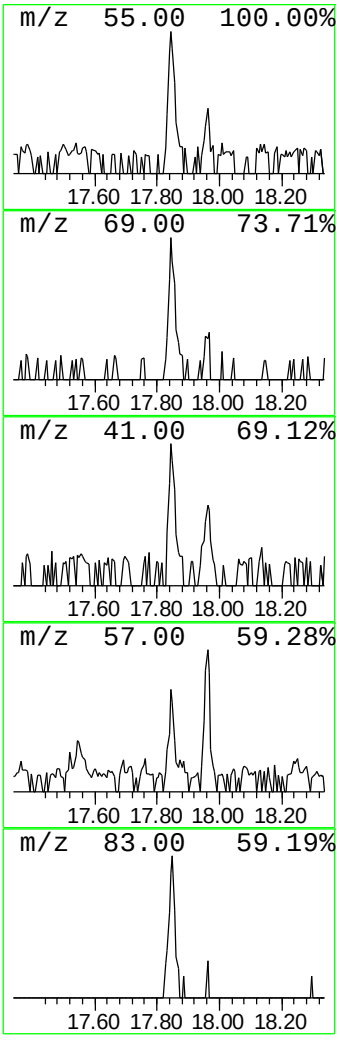
****

Peak Number 9 3-Chloropropionic acid, hep... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	2.30 ng	19794	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	91
2	1-Pentadecanol	228	C15H32O	000629-76-5	91
3	1-Hexadecanol	242	C16H34O	036653-82-4	90
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	90
5	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-1

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

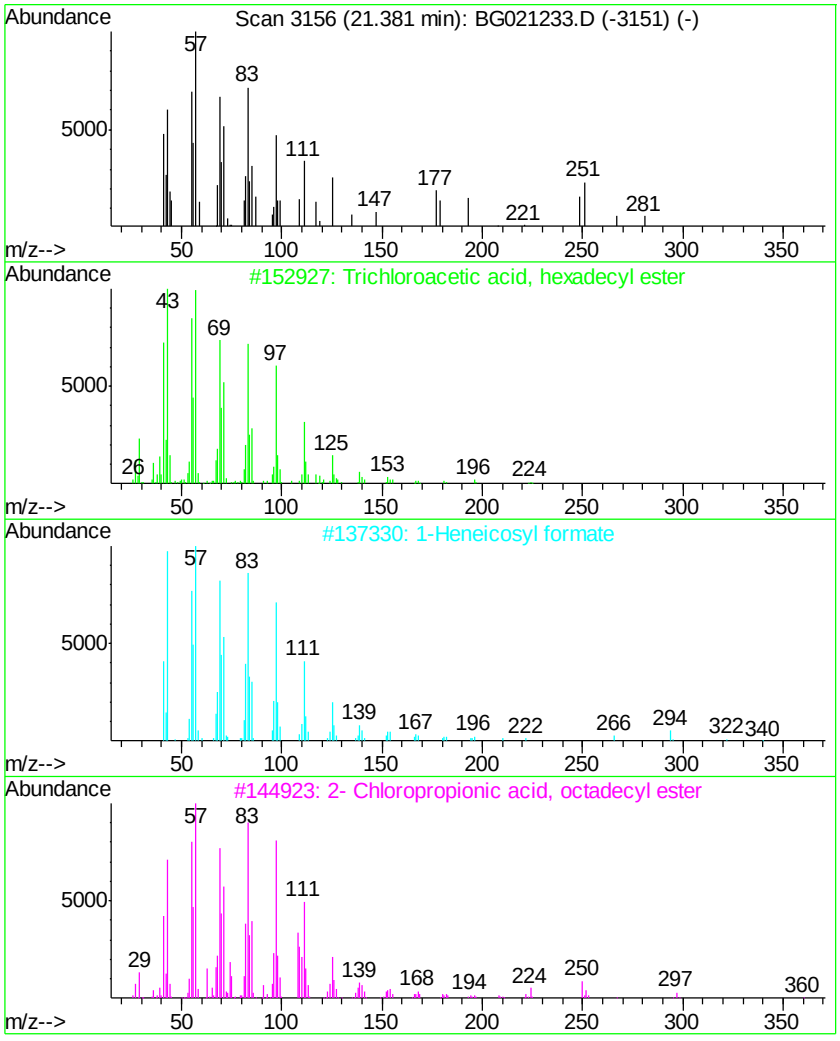
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

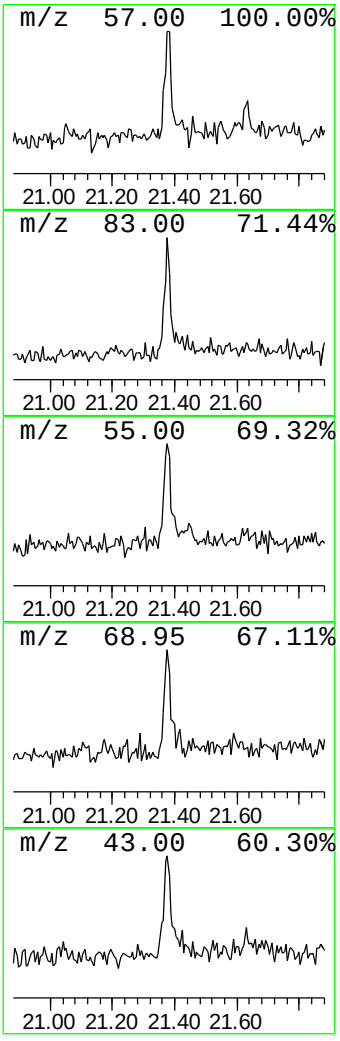
****

Peak Number 10 Trichloroacetic acid, hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	2.24 ng	22457	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	83
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	80
4	1-Tetracosanol	354	C24H50O	000506-51-4	80
5	1-Nonadecene	266	C19H38	018435-45-5	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030216\
Data File : BG021233.D
Acq On : 3 Mar 2016 4:51
Operator : UM/SJ
Sample : H1640-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOUTH-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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown2.90	2.90	8.0	ng	25746	1	8.14	64022	20.0
Propane, 2,2-dime...	3.05	383.3	ng	1226810	1	8.14	64022	20.0
2-Pentanone, 4-hy...	5.23	23.6	ng	75472	1	8.14	64022	20.0
unknown7.67	7.67	140.4	ng	449325	1	8.14	64022	20.0
Hexanoic acid, 2-...	9.41	4.8	ng	15422	1	8.14	64022	20.0
Octane, 2,4,6-tri...	15.58	2.5	ng	19367	3	14.75	154373	20.0
10-Methylnonadecane	16.43	3.6	ng	30639	4	17.49	171803	20.0
3-Chloropropionic...	17.84	2.3	ng	19794	4	17.49	171803	20.0
Trichloroacetic a...	21.38	2.2	ng	22457	5	21.76	200366	20.0