LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

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-BF051716.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	1.713	10	11	61	rVB	4023663	9572172	100.00%	23.252%
2	4.456	248	251	261	rBV	89152	166996	1.74%	0.406%
3	4.684	269	271	282	rBV	421336	597350	6.24%	1.451%
4	5.164	310	313	334	rBV	1052827	1840992	19.23%	4.472%
5	5.564	345	348	357	rVB	165001	182425	1.91%	0.443%
6	6.239	406	407	414	rBV2	892232	1304048	13.62%	3.168%
7	6.353	414	417	419	rBV	2586027	3329398	34.78%	8.087%
8	6.570	434	436	441	rVB	669587	882974	9.22%	2.145%
9	6.730	448	450	453	rBV	3205695	2949109	30.81%	7.164%
10	7.153	484	487	489	rBV	2782920	2700377	28.21%	6.559%
11	7.862	547	549	554	rBV	1219624	1149133	12.00%	2.791%
12	8.102	568	570	572	rBV	136048	232514	2.43%	0.565%
13	8.136	572	573	578	rVB	157432	183938	1.92%	0.447%
14	8.216	578	580	583	rBV	1701207	1529788	15.98%	3.716%
15	8.948	641	644	646	rBV	4788842	4738901	49.51%	11.511%
16	9.165	661	663	666	rVB3	59241	95931	1.00%	0.233%
17	9.348	677	679	681	rBV	172107	157859	1.65%	0.383%
18	9.610	700	702	704	rVV	1349673	1197260	12.51%	2.908%
19	10.399	768	771	774	rBV	2513836	2526803	26.40%	6.138%
20	11.085	829	831	834	rVB	1086274	936892	9.79%	2.276%
21	11.634	877	879	883	rBV2	76086	121844	1.27%	0.296%
22	12.674	967	970	972	rBV	2773482	3144391	32.85%	7.638%
23	13.714	1058	1061	1063	rBV	707842	800104	8.36%	1.944%
24	15.062	1176	1179	1185	rBV	736861	826261	8.63%	2.007%

Sum of corrected areas: 41167460

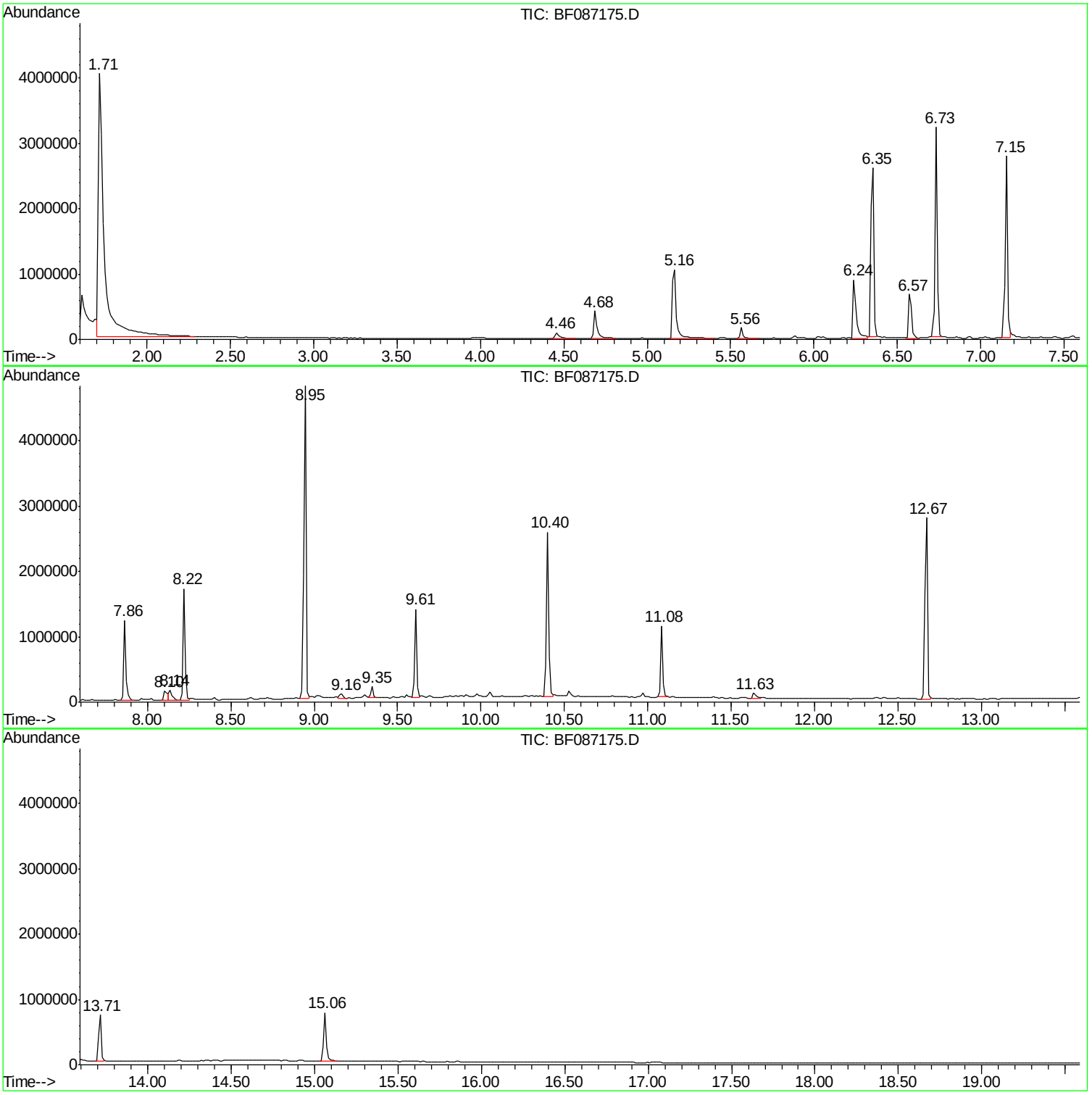
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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 F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

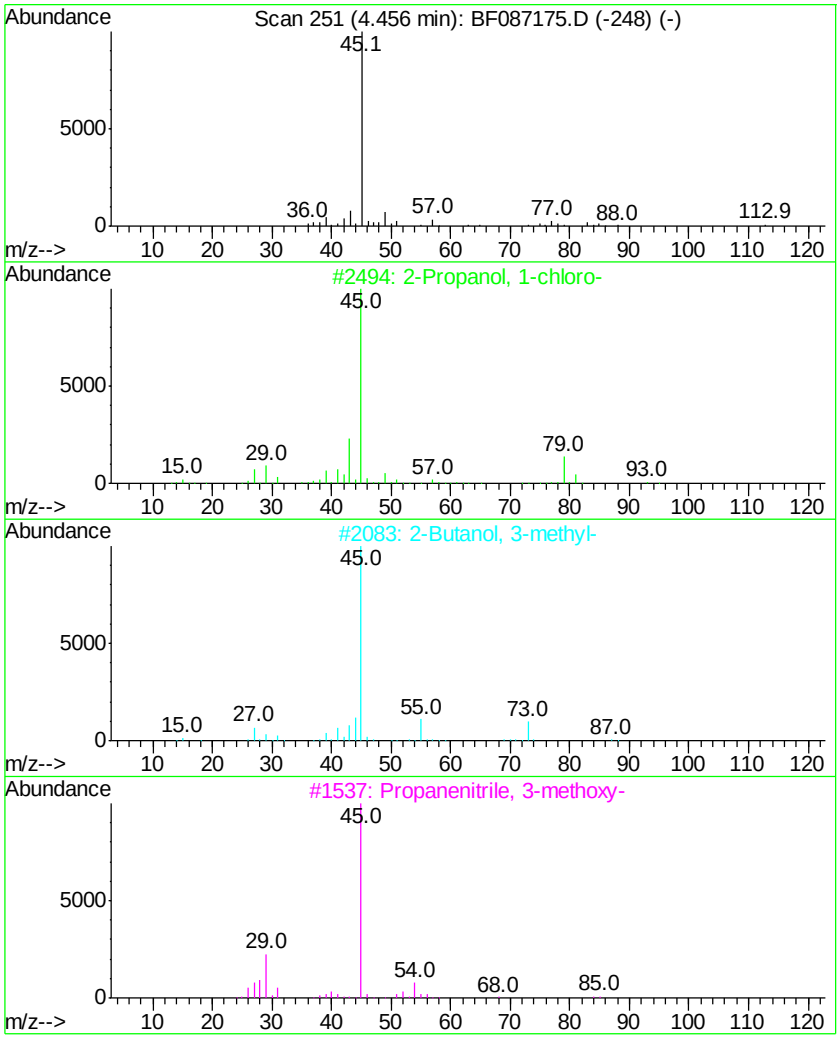
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

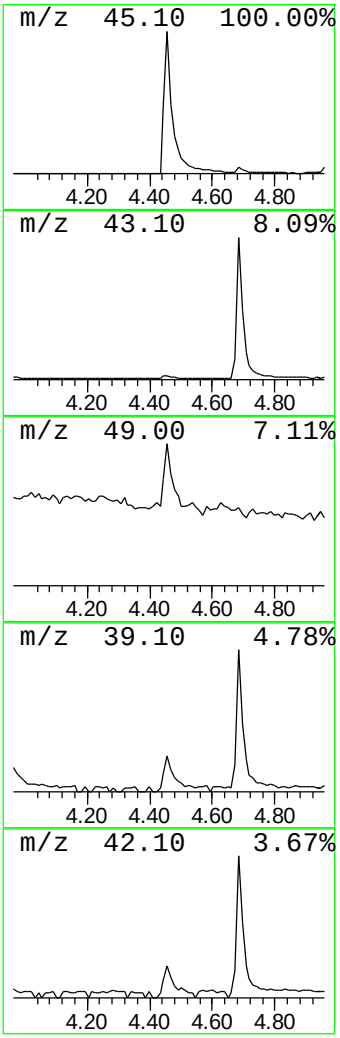
****

Peak Number 2 2-Propanol, 1-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	3.78 ng	166996	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-	94	C3H7ClO	000127-00-4	56
2	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	50
3	Propanenitrile, 3-methoxy-	85	C4H7NO	000110-67-8	50
4	2,2-Dichloroethyl methyl ether	128	C3H6Cl2O	034862-07-2	40
5	Hexane, 1-methoxy-	116	C7H16O	004747-07-3	39





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

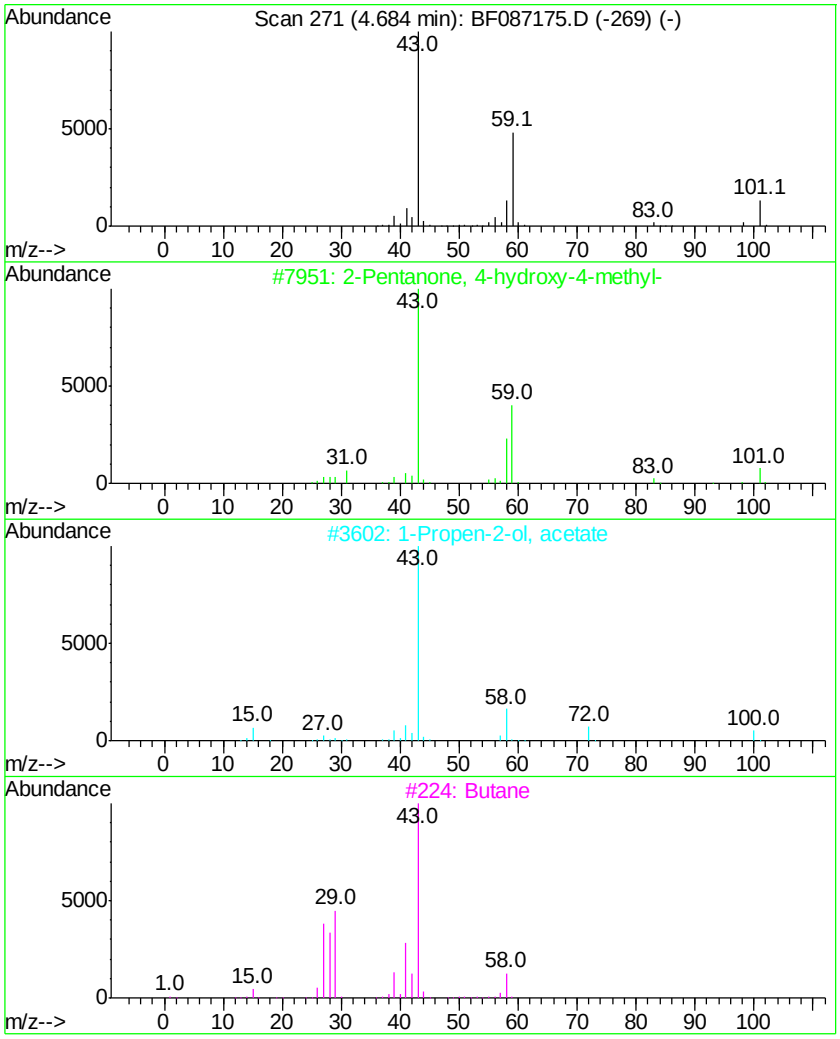
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

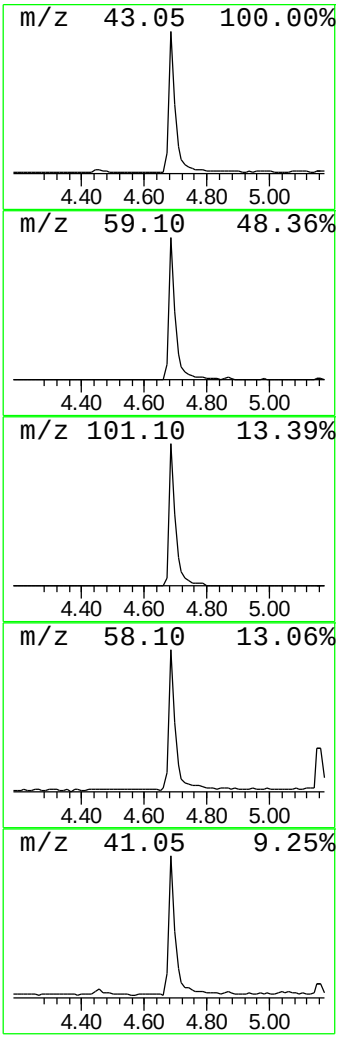
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	13.53 ng	597350	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Butane	58	C4H10	000106-97-8	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Diacetamide	101	C4H7NO2	000625-77-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

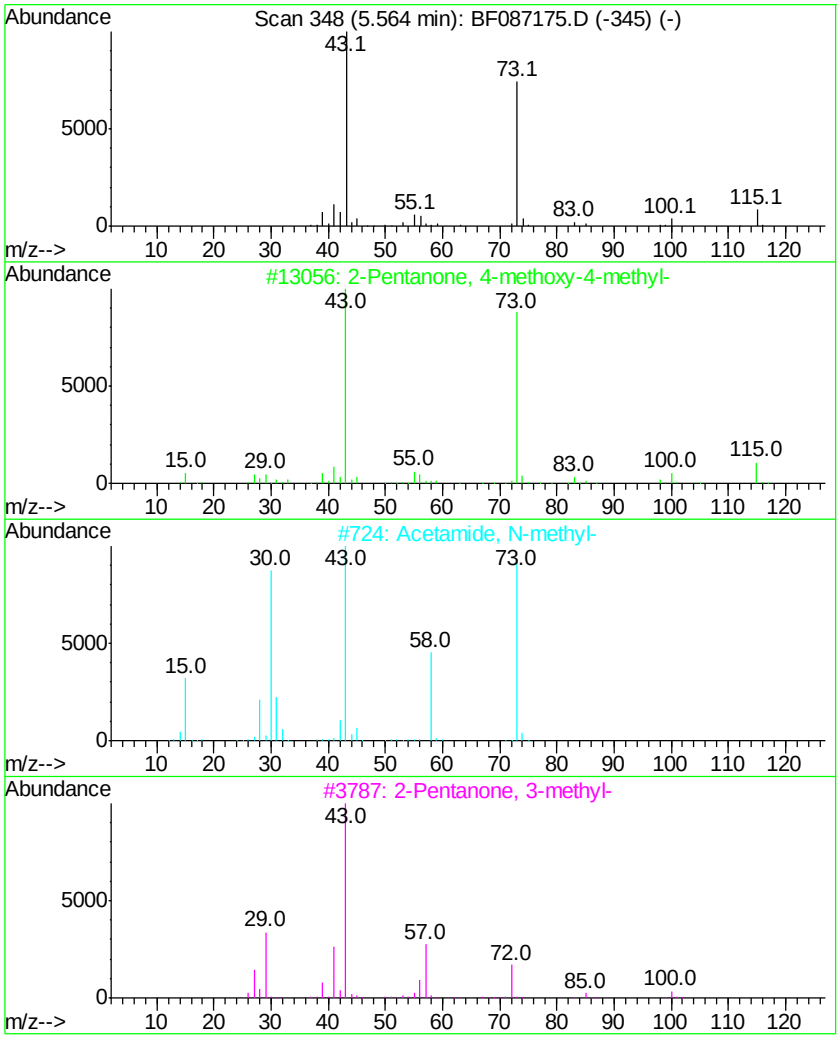
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

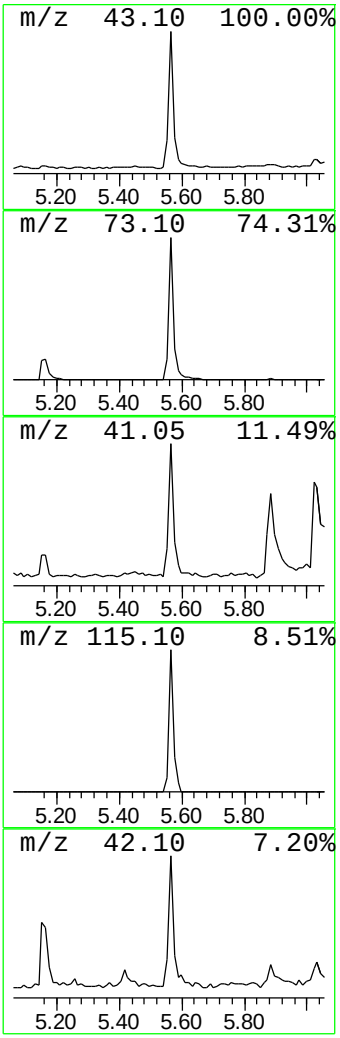
****

Peak Number 4 2-Pentanone, 4-methoxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.56	4.13 ng	182425	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	32
3	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	9
4	N-Formylmorpholine	115	C5H9NO2	004394-85-8	9
5	Guanidine, methyl-	73	C2H7N3	000471-29-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

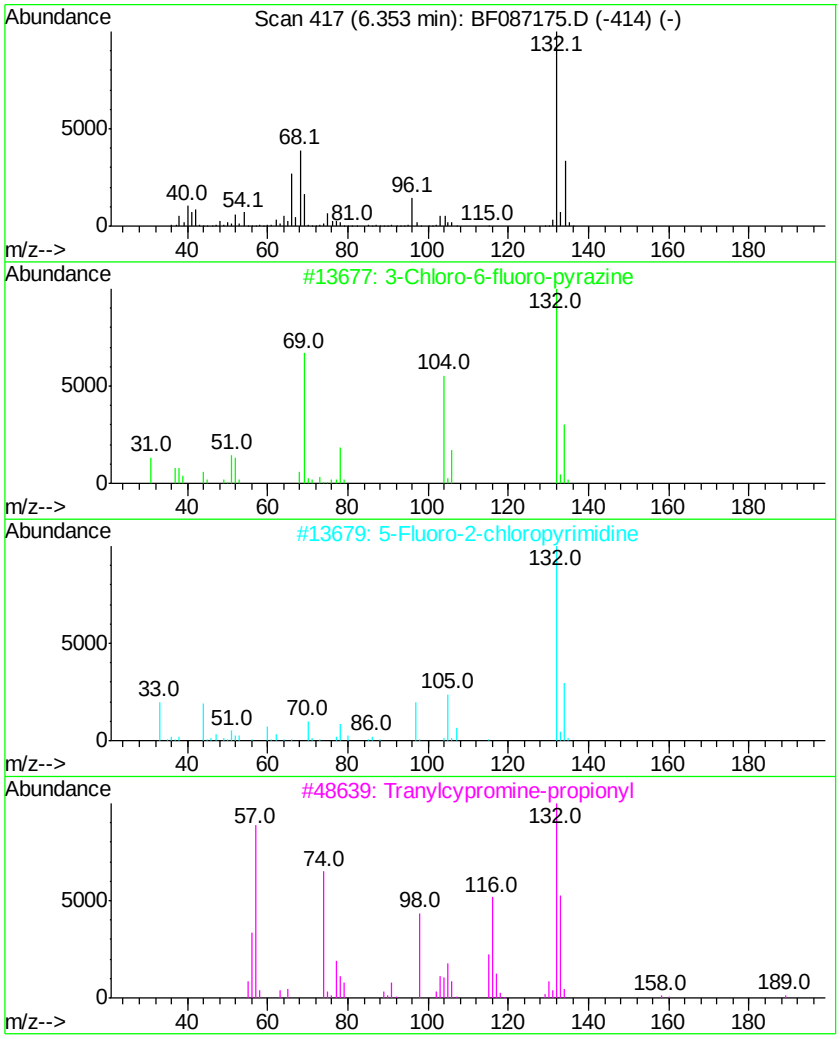
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

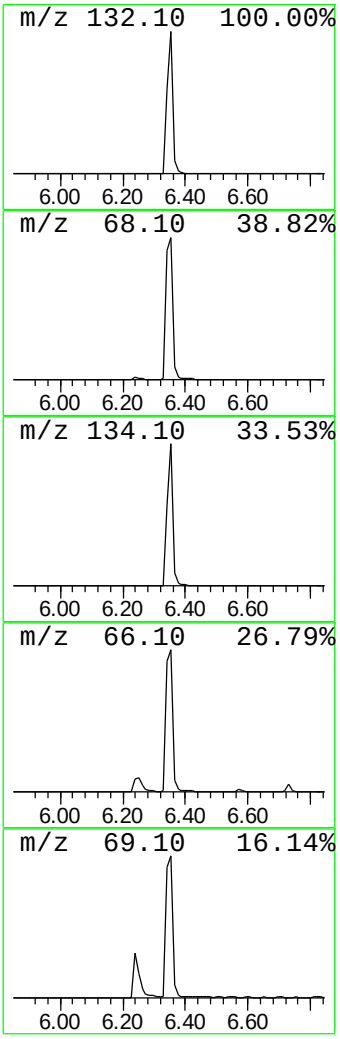
****

Peak Number 5 unknown6.35 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	75.41 ng	3329400	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

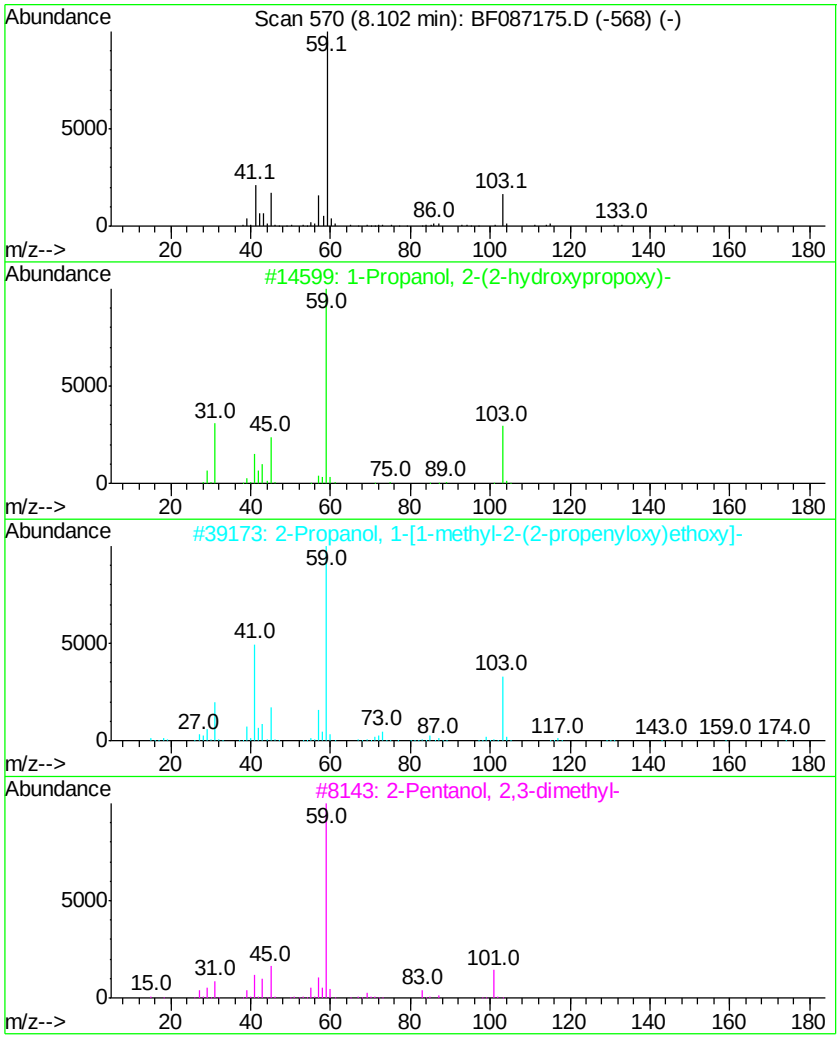
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

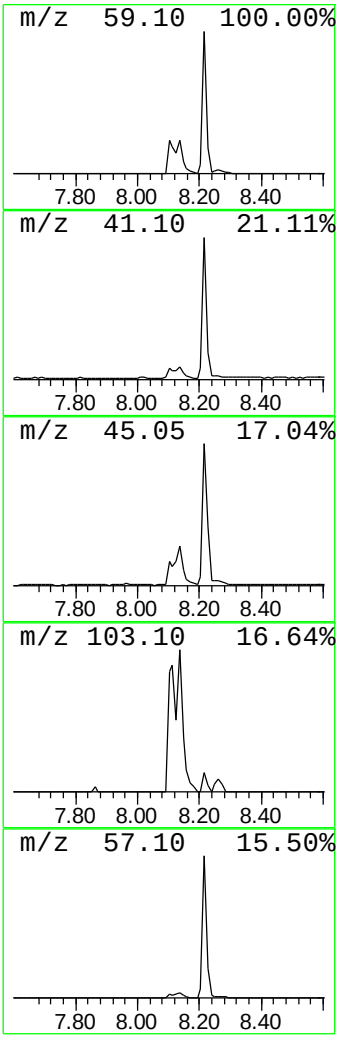
****

Peak Number 7 1-Propanol, 2-(2-hydroxypro... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	4.05 ng	232514	Naphthalene-d8	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78
2	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	74
3	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	72
4	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	72
5	2,5,8,11,14-Pentaoxapentadecane	222	C10H22O5	000143-24-8	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

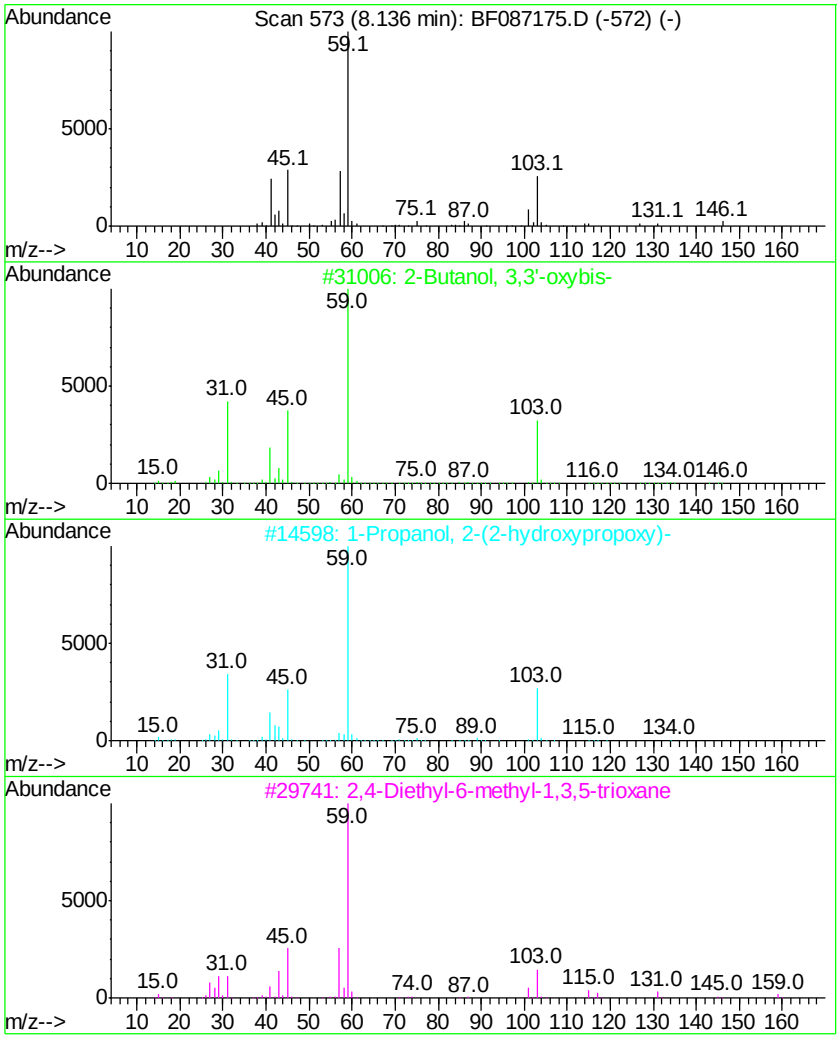
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

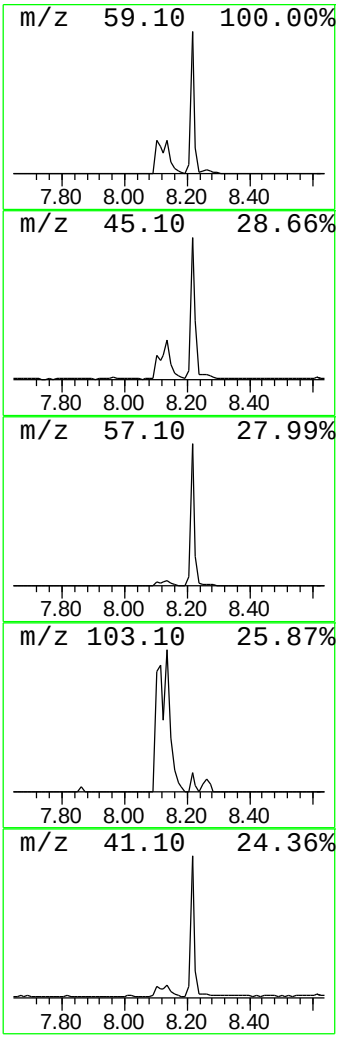
****

Peak Number 8 2-Butanol, 3,3'-oxybis- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	3.20 ng	183938	Naphthalene-d8	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	72
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	64
3	2,4-Diethyl-6-methyl-1,3,5-trioxane	160	C8H16O3	117888-04-7	64
4	Dipropylene glycol monomethyl ether	148	C7H16O3	034590-94-8	56
5	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

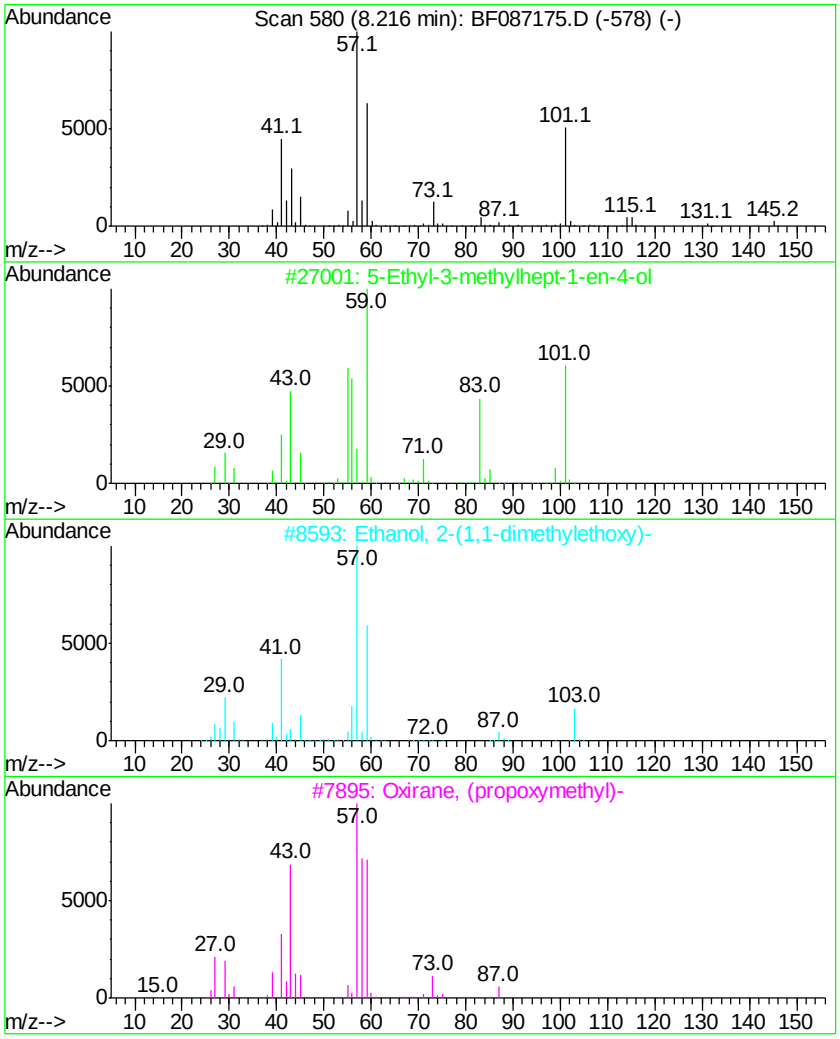
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

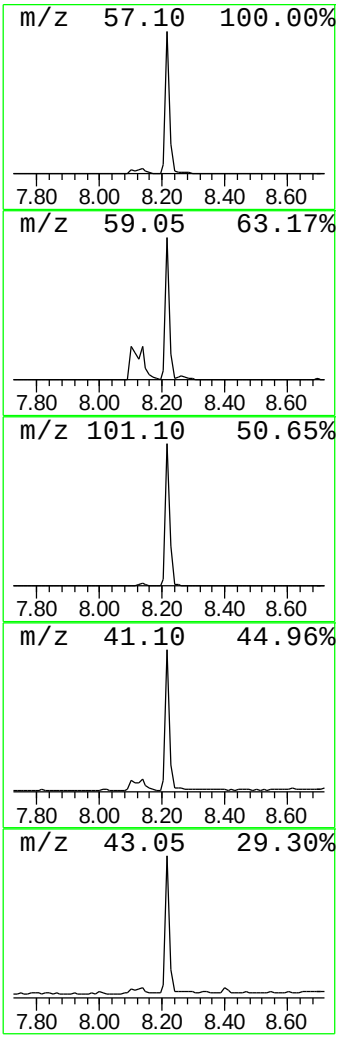
****

Peak Number 9 unknown8.22 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	26.63 ng	1529790	Naphthalene-d8	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyl-3-methylhept-1-en-4-ol	156	C10H20O	286424-80-4	40
2	Ethanol, 2-(1,1-dimethylethoxy)-	118	C6H14O2	007580-85-0	38
3	Oxirane, (propoxymethyl)-	116	C6H12O2	003126-95-2	37
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	35
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

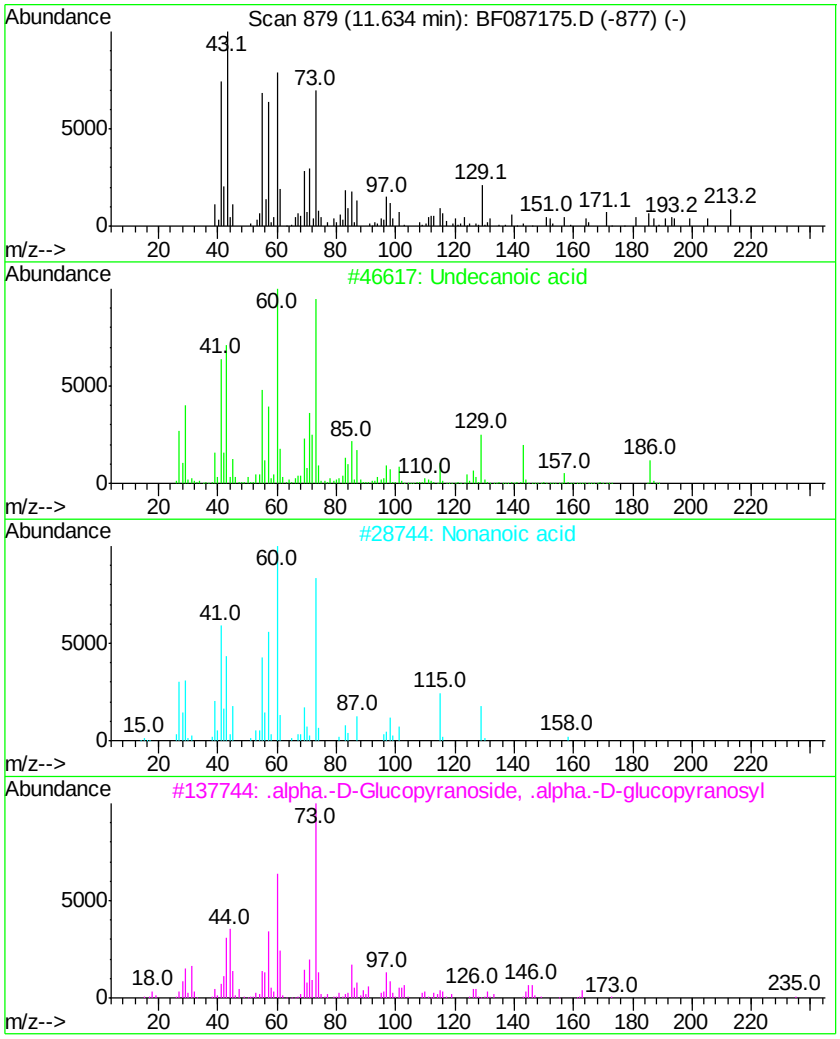
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

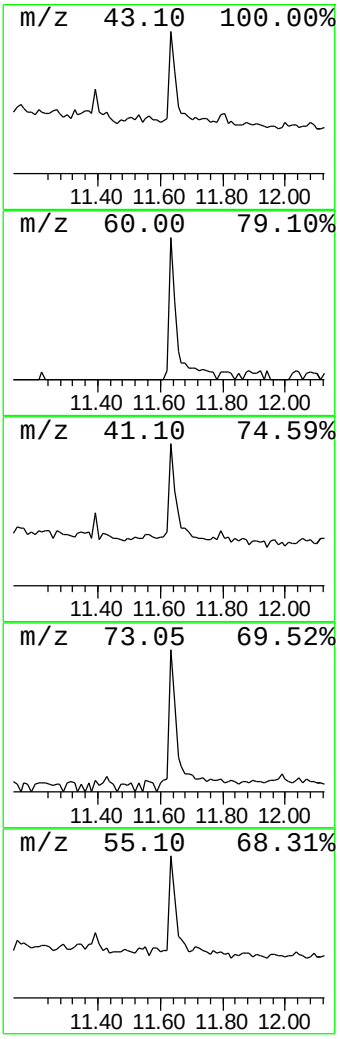
****

Peak Number 10 Undecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	2.60 ng	121844	Phenanthrene-d10	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	86
2	Nonanoic acid	158	C9H18O2	000112-05-0	53
3	.alpha.-D-Glucopyranoside, .alph...	342	C12H22O11	000099-20-7	50
4	Heptanoic acid	130	C7H14O2	000111-14-8	47
5	d-Glucohexodialdose	178	C6H10O6	1000149-19-1	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051816\
Data File : BF087175.D
Acq On : 19 May 2016 7:14
Operator : UM/SJ
Sample : H3120-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-201

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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
2-Propanol, 1-chl...	4.46	3.8	ng	166996	1	6.57	882974	20.0
2-Pentanone, 4-hy...	4.68	13.5	ng	597350	1	6.57	882974	20.0
2-Pentanone, 4-me...	5.56	4.1	ng	182425	1	6.57	882974	20.0
unknown6.35	6.35	75.4	ng	3329400	1	6.57	882974	20.0
1-Propanol, 2-(2-...	8.10	4.0	ng	232514	2	7.86	1149130	20.0
2-Butanol, 3,3'-o...	8.14	3.2	ng	183938	2	7.86	1149130	20.0
unknown8.22	8.22	26.6	ng	1529790	2	7.86	1149130	20.0
Undecanoic acid	11.63	2.6	ng	121844	4	11.08	936892	20.0