LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

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-BF103015.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	5.081	258	262	267	rBV	2065301	2868309	43.02%	5.146%
2	5.493	295	298	301	rBV	4483568	5632969	84.49%	10.105%
3	6.167	355	357	360	rBV	526363	554028	8.31%	0.994%
4	6.521	384	388	390	rBV	5702883	6666723	100.00%	11.960%
5	6.590	393	394	397	rVB	135335	151500	2.27%	0.272%
6	6.659	397	400	402	rBV	6261433	6353962	95.31%	11.399%
7	6.887	418	420	422	rVB	1604739	1300644	19.51%	2.333%
8	7.013	429	431	432	rBV	152631	138496	2.08%	0.248%
9	7.047	432	434	436	rVB	5258376	4636249	69.54%	8.317%
10	7.447	466	469	472	rBV	3538870	3519368	52.79%	6.314%
11	7.550	474	478	480	rBV	148669	209667	3.14%	0.376%
12	7.882	504	507	511	rBV3	41236	96591	1.45%	0.173%
13	8.179	530	533	534	rBV	1295414	1508672	22.63%	2.706%
14	9.253	624	627	630	rBV	5522816	5272821	79.09%	9.459%
15	9.322	631	633	636	rBV2	57741	78382	1.18%	0.141%
16	9.653	659	662	664	rBV	1288306	1638172	24.57%	2.939%
17	9.928	684	686	688	rBV	1519980	1572317	23.58%	2.821%
18	10.373	724	725	727	rVB	129363	101479	1.52%	0.182%
19	10.590	741	744	747	rBV	35912	72190	1.08%	0.130%
20	10.716	752	755	758	rVB	3742847	3497912	52.47%	6.275%
21	10.842	764	766	773	rVB	81045	161995	2.43%	0.291%
22	11.299	802	806	807	rBV	82664	84941	1.27%	0.152%
23	11.413	813	816	818	rBV	1729392	1434411	21.52%	2.573%
24	11.951	860	863	865	rBV	278998	280188	4.20%	0.503%
25	12.373	896	900	901	rVB4	43549	69498	1.04%	0.125%
26	12.739	929	932	938	rBV	250673	300037	4.50%	0.538%
27	13.002	952	955	958	rBV	4325067	4153111	62.30%	7.450%
28	13.528	999	1001	1003	rBV	294790	340675	5.11%	0.611%
29	13.768	1019	1022	1024	rBV	335261	335288	5.03%	0.601%
30	13.859	1028	1030	1032	rVV2	70846	105713	1.59%	0.190%
31	13.916	1033	1035	1038	rVB	91199	115985	1.74%	0.208%
32	14.054	1043	1047	1049	rBV	1420628	1472883	22.09%	2.642%
33	15.494	1170	1173	1176	rBV	805985	1017570	15.26%	1.825%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

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-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 55742746

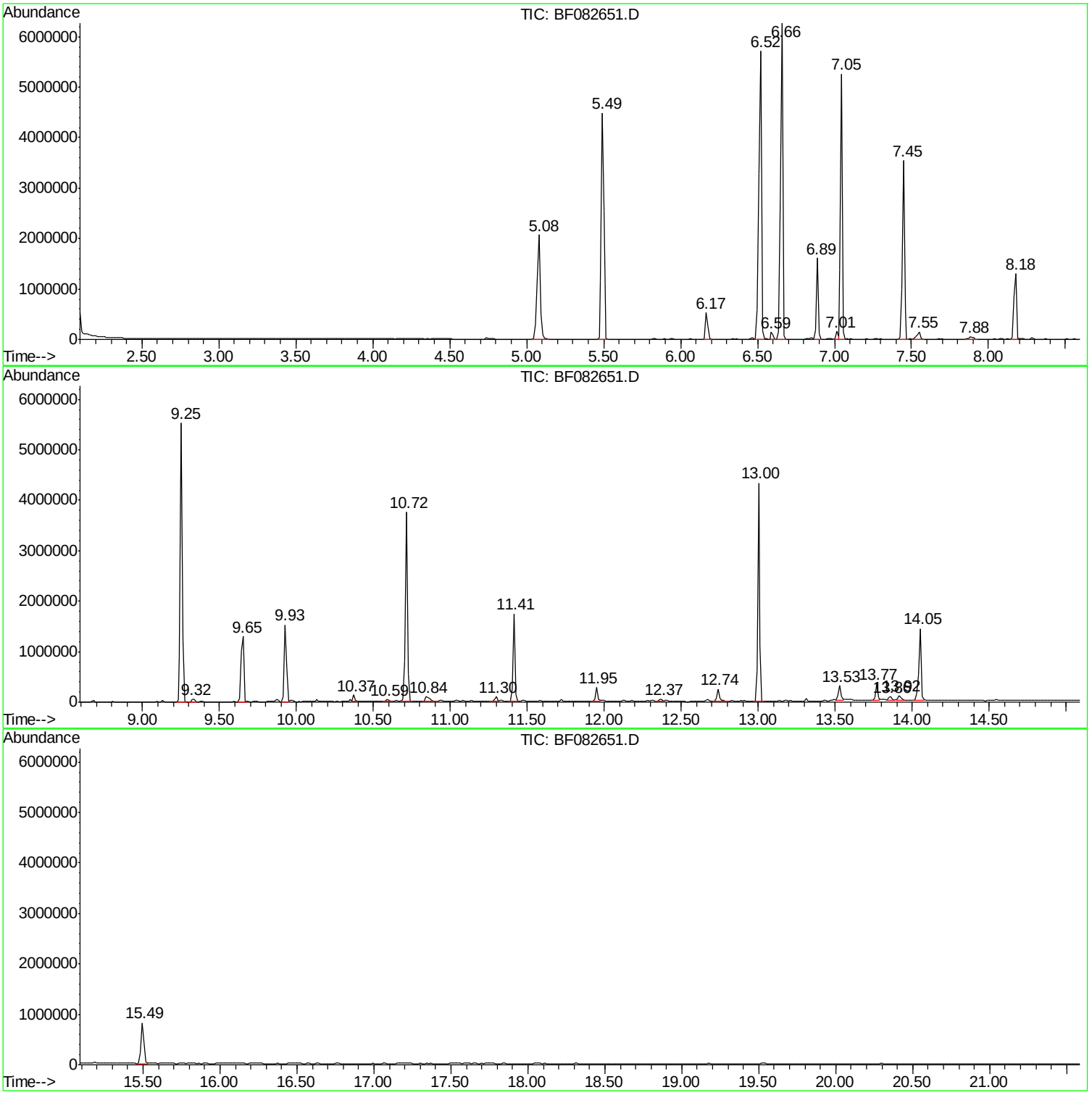
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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 F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

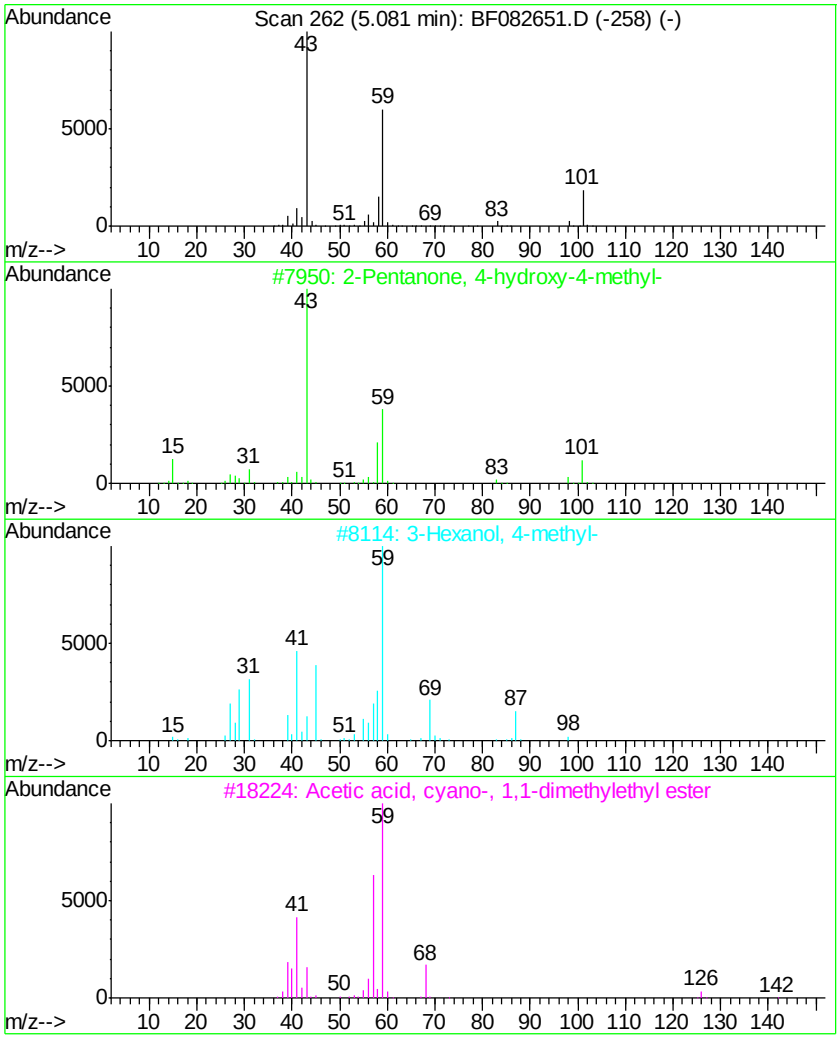
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

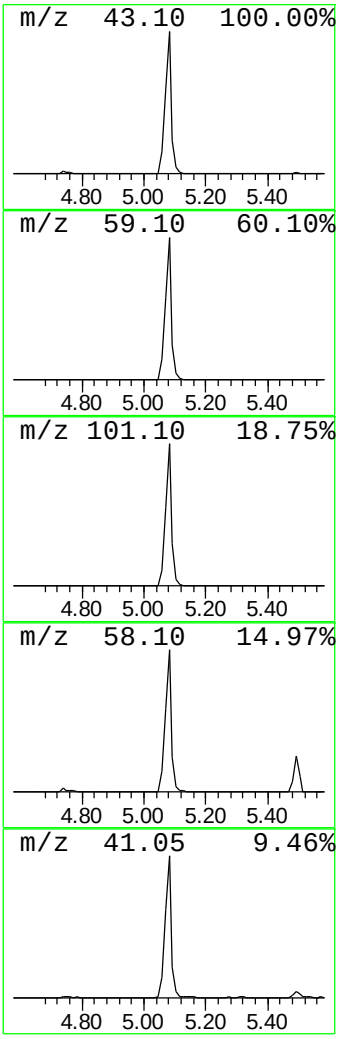
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	44.11 ng	2868310	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

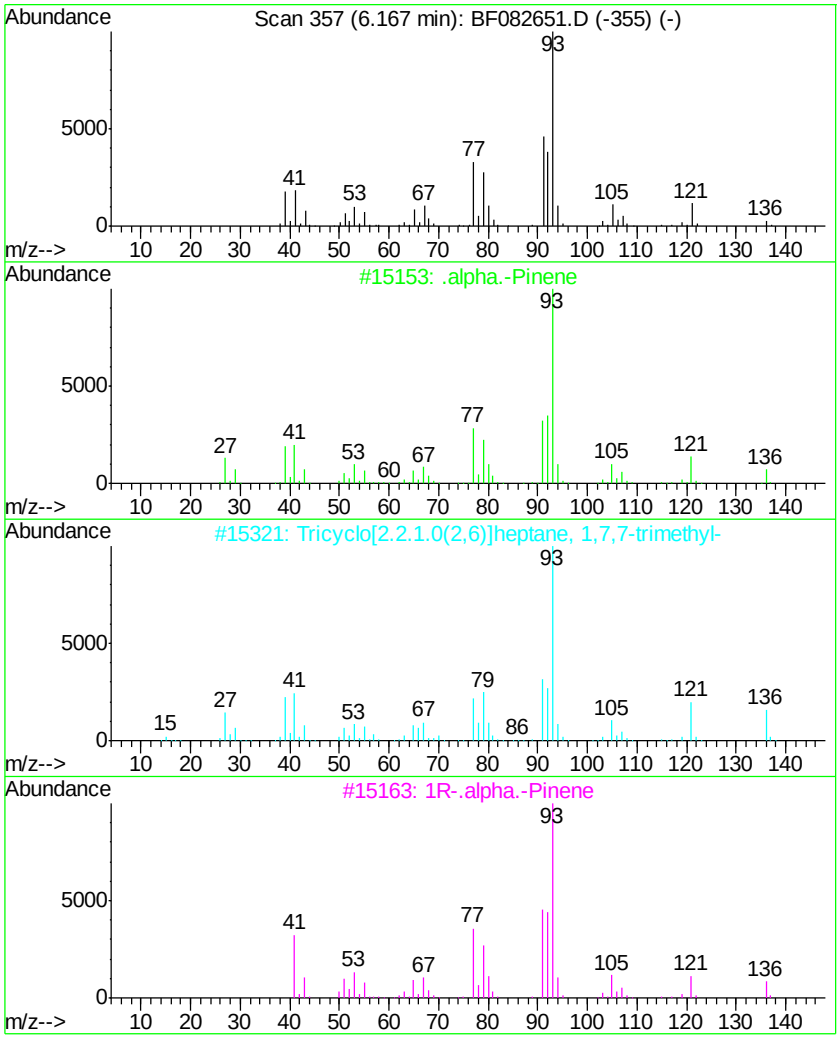
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

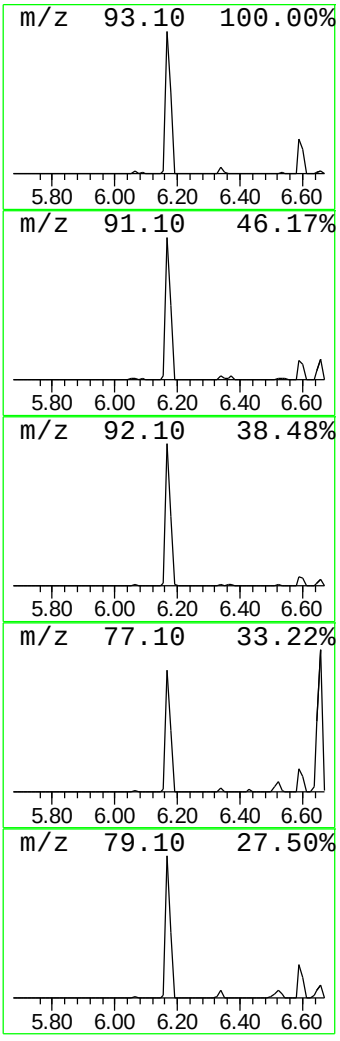
****

Peak Number 2 .alpha.-Pinene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	8.52 ng	554028	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
2	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
3	1R-.alpha.-Pinene	136	C10H16	007785-70-8	90
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	87
5	3-Carene	136	C10H16	013466-78-9	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

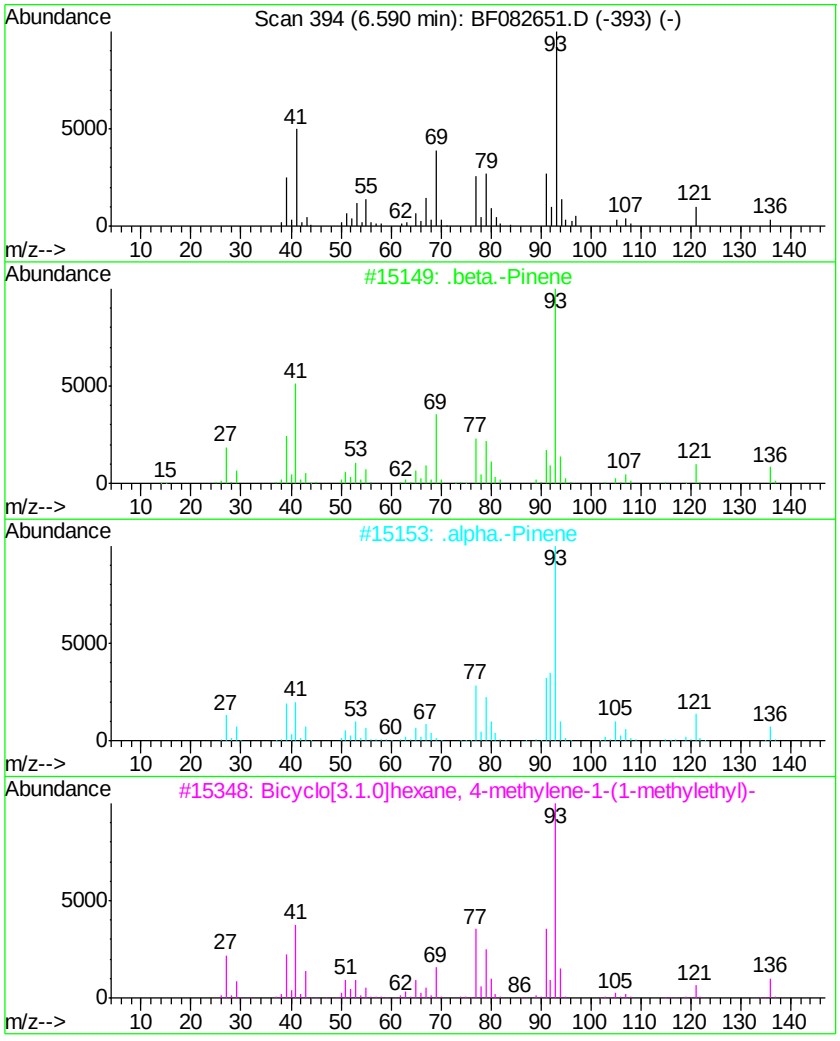
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

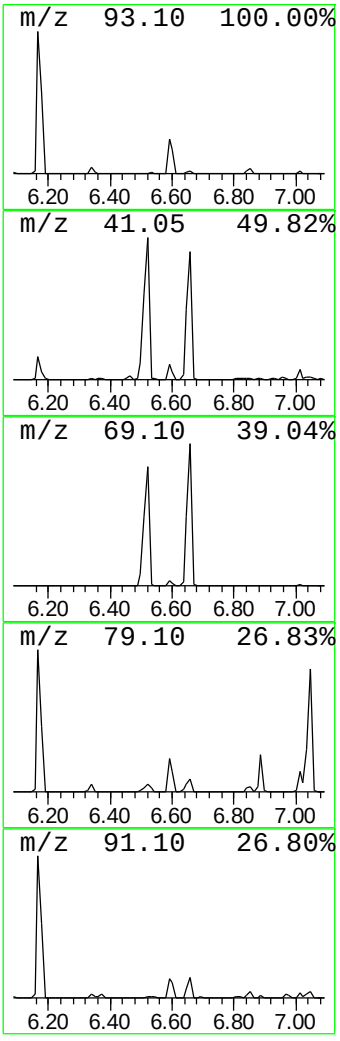
****

Peak Number 3 .beta.-Pinene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	2.33 ng	151500	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	90
2	.alpha.-Pinene	136	C10H16	000080-56-8	86
3	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	86
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	83
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

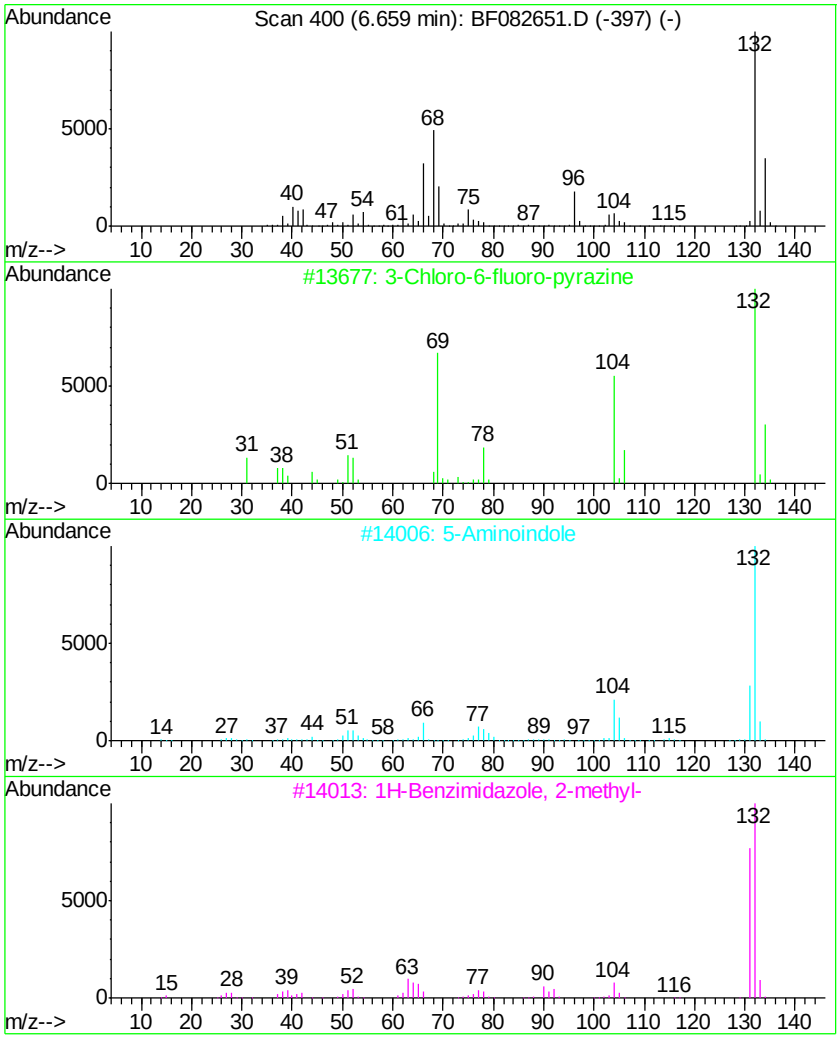
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

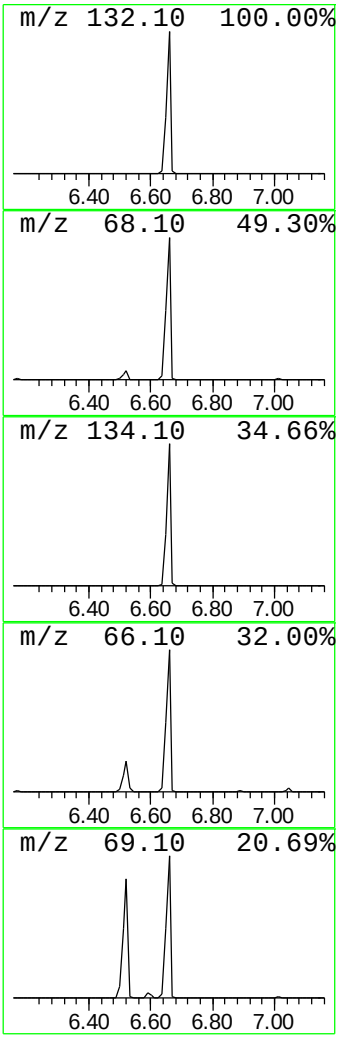
****

Peak Number 4 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	97.70 ng	6353960	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





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Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

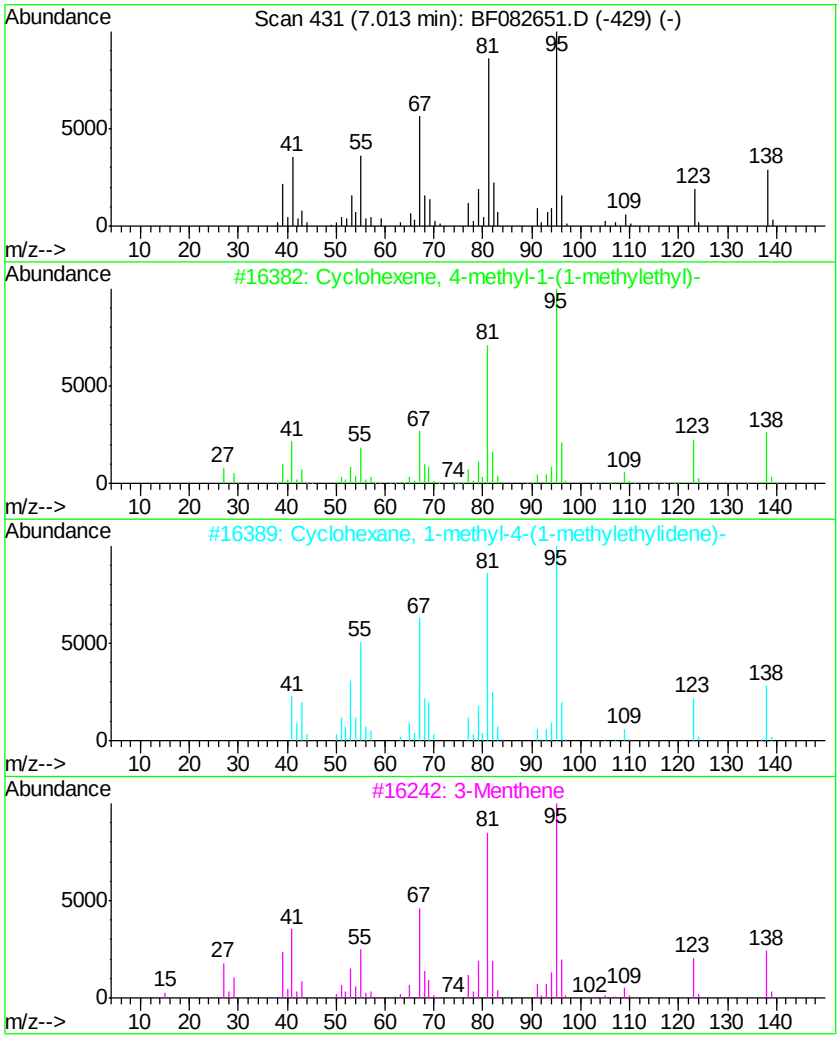
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

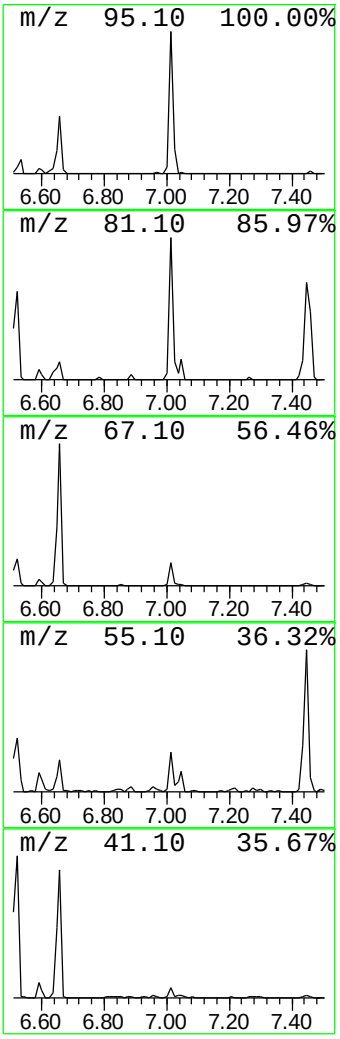
****

Peak Number 5 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	2.13 ng	138496	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	96
2	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	96
3	3-Menthene	138	C10H18	1000118-83-1	93
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	87
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
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Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

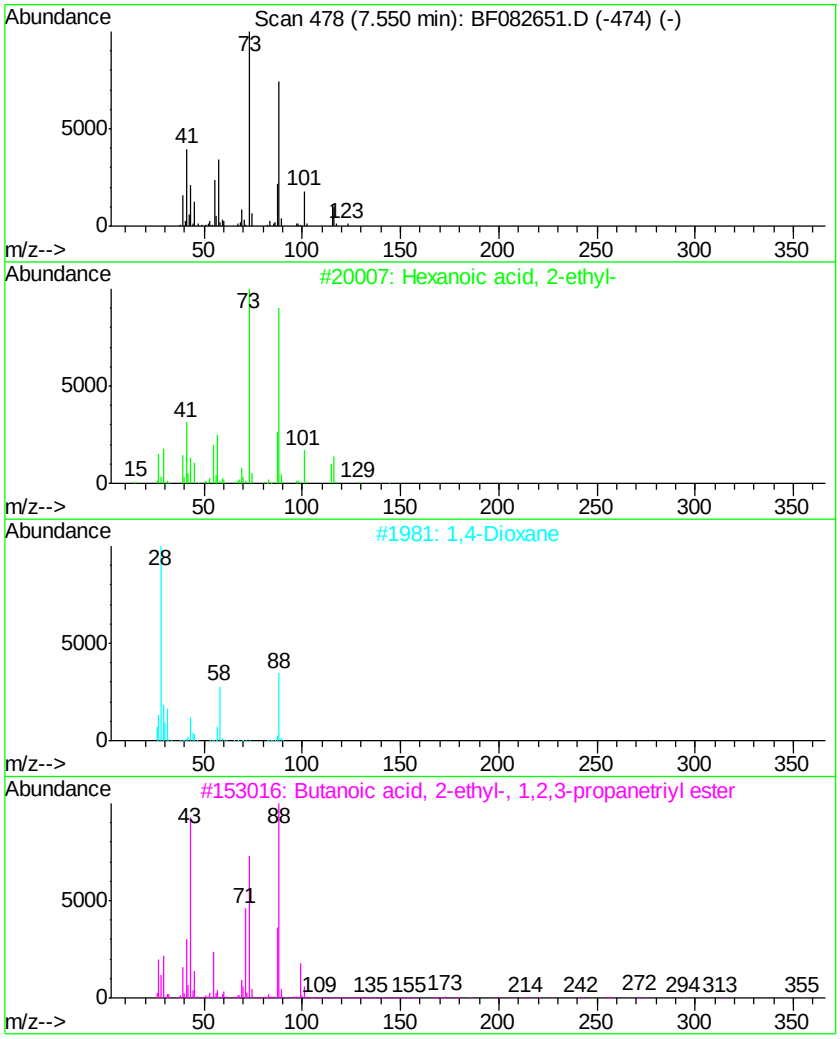
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

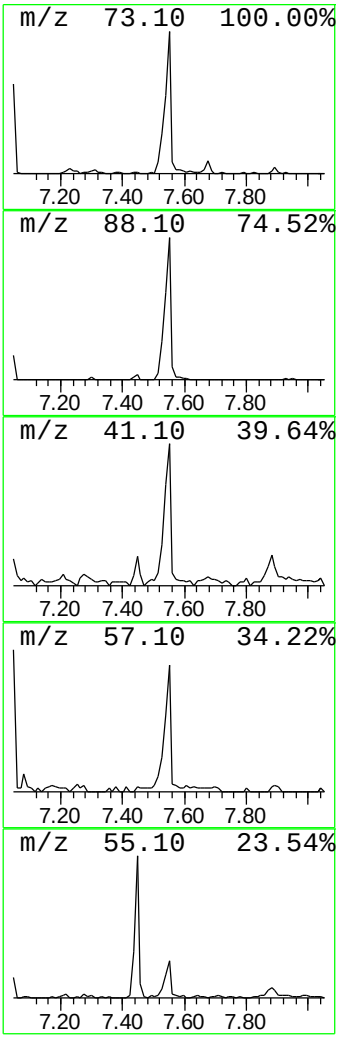
****

Peak Number 7 Hexanoic acid, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	2.78 ng	209667	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	1,4-Dioxane	88	C4H8O2	000123-91-1	43
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	42
4	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	42
5	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
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Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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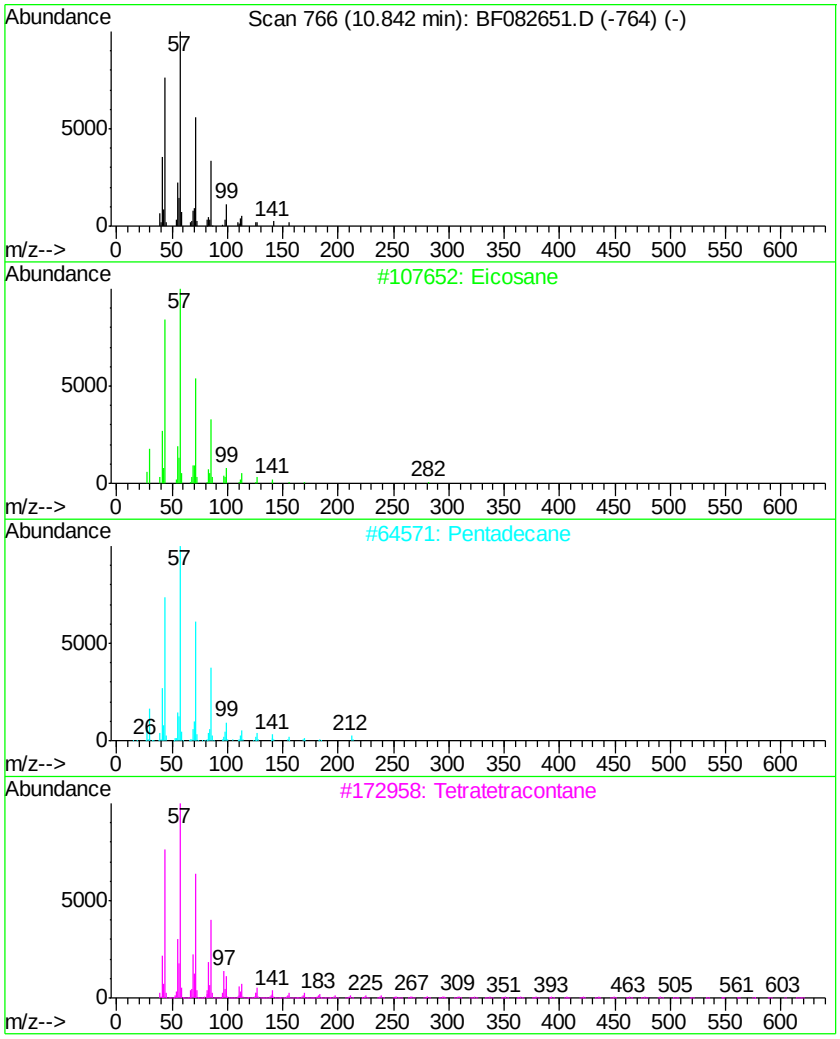
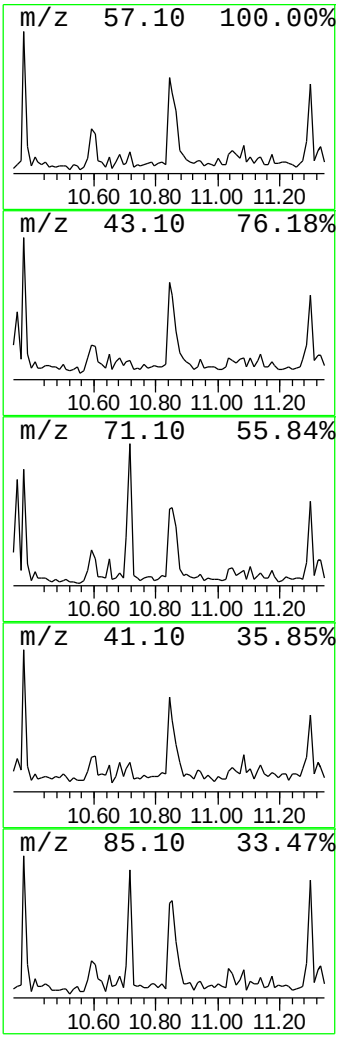
Peak Number 8 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	2.26 ng	161995	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	83
2	Pentadecane	212	C15H32	000629-62-9	83
3	Tetratetracontane	619	C44H90	007098-22-8	83
4	Octacosane	394	C28H58	000630-02-4	83
5	Hexadecane	226	C16H34	000544-76-3	83





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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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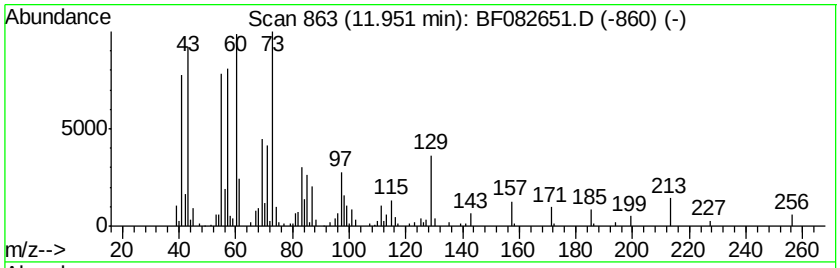
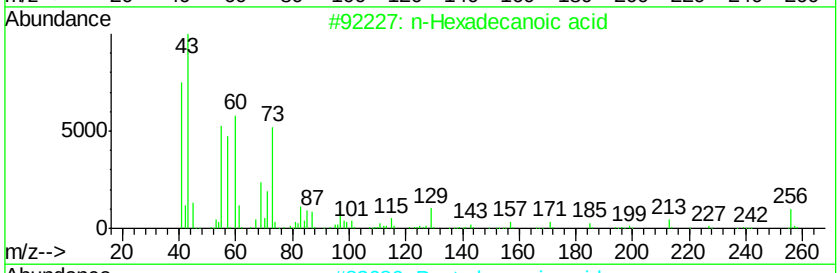
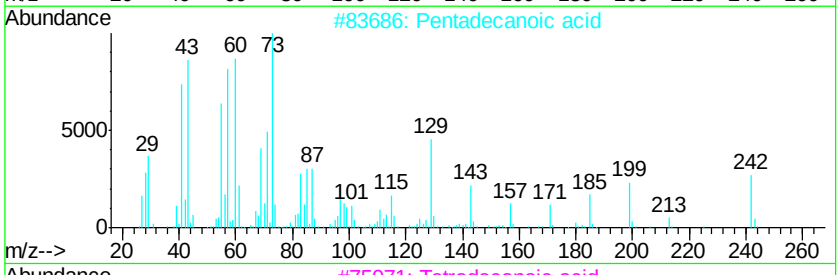
Peak Number 9 n-Hexadecanoic acid Concentration Rank 8

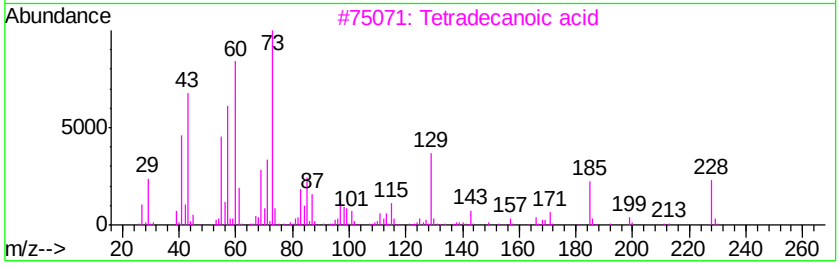
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.91 ng	280188	Phenanthrene-d10	11.41

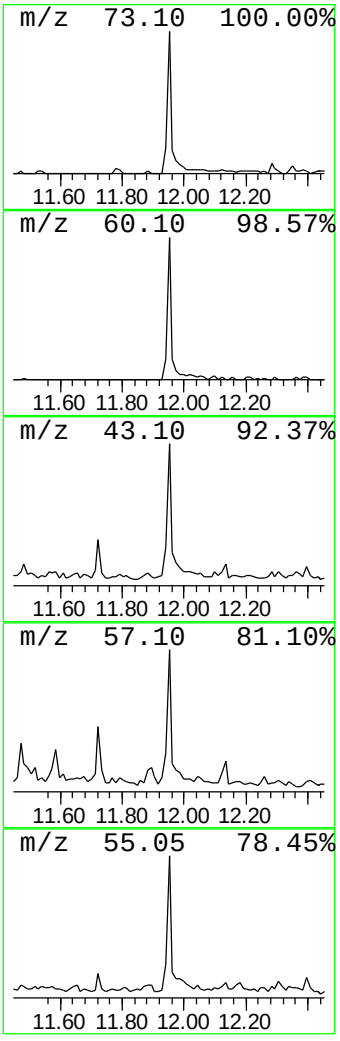
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4	Tridecanoic acid	214	C13H26O2	000638-53-9	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76











Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
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Operator : UM/IZ
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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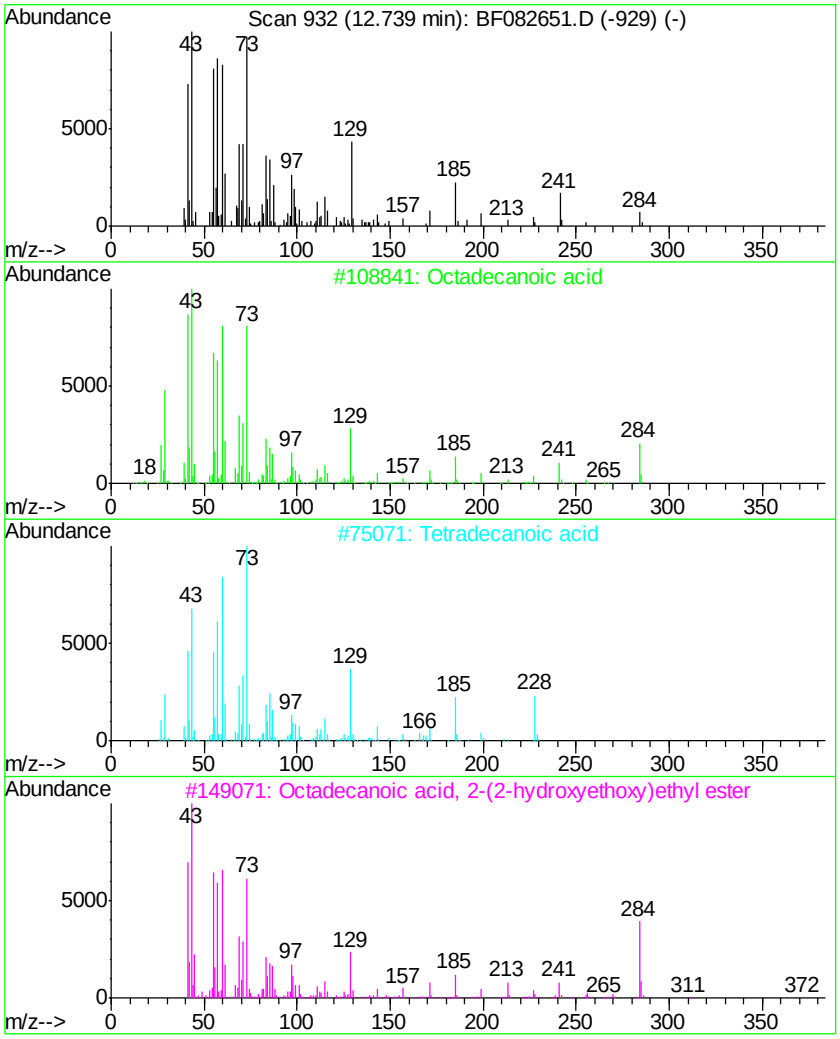
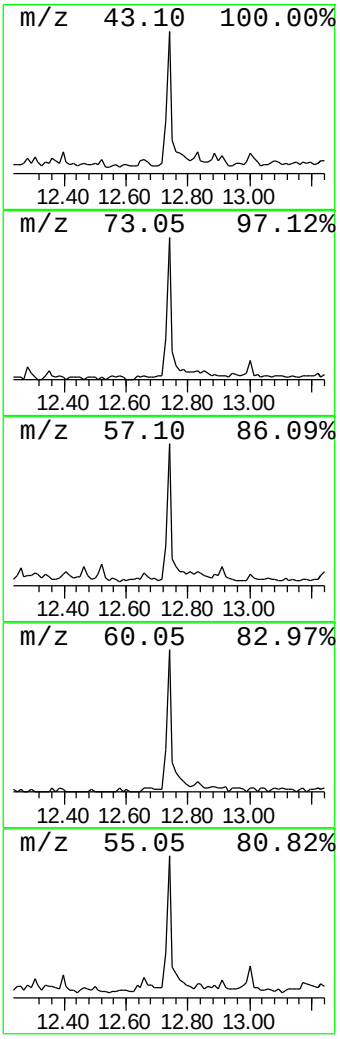
Peak Number 10 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	4.07 ng	300037	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
5	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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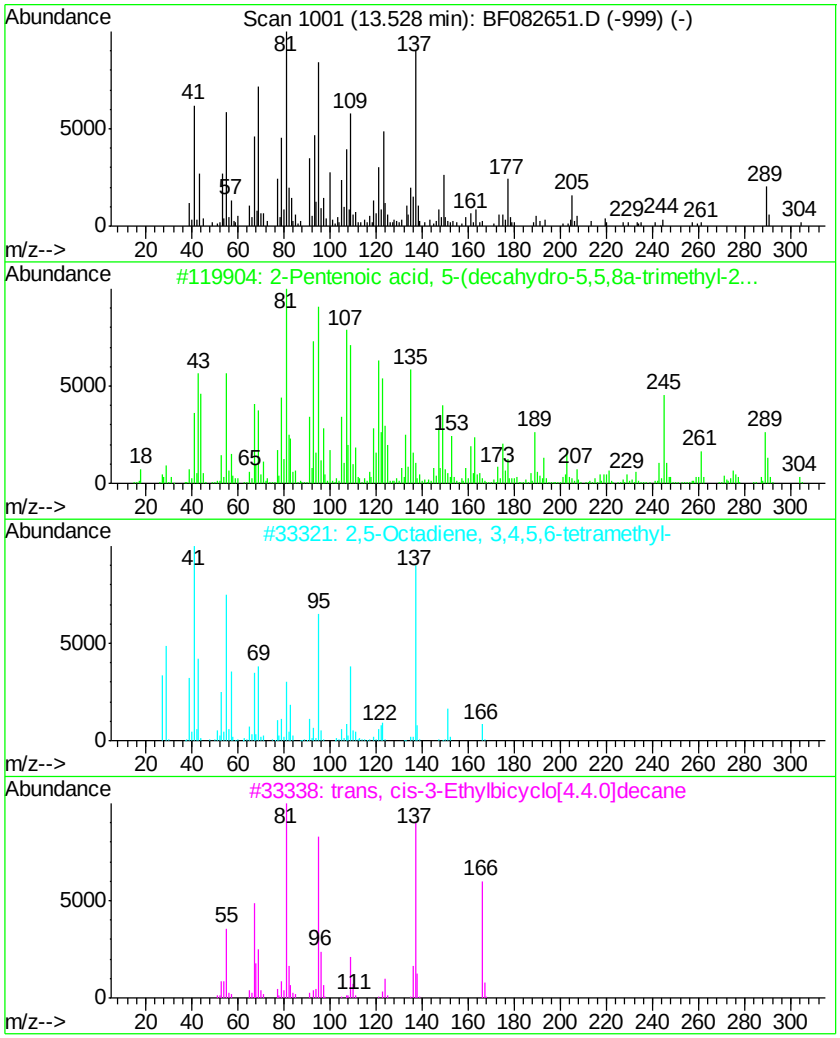
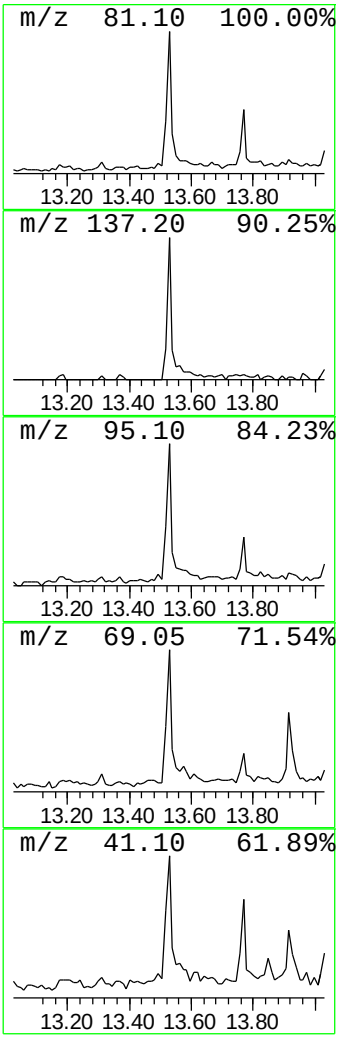
Peak Number 11 2-Pentenoic acid, 5-(decahy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	4.63 ng	340675	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 5-(decahydro-5...	304	C20H32O2	024470-48-2	50
2	2,5-Octadiene, 3,4,5,6-tetramethyl-	166	C12H22	247797-85-9	46
3	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	43
4	2-Methyl-3-(3-methyl-but-2-enyl)...	222	C15H26O	1000144-10-2	38
5	2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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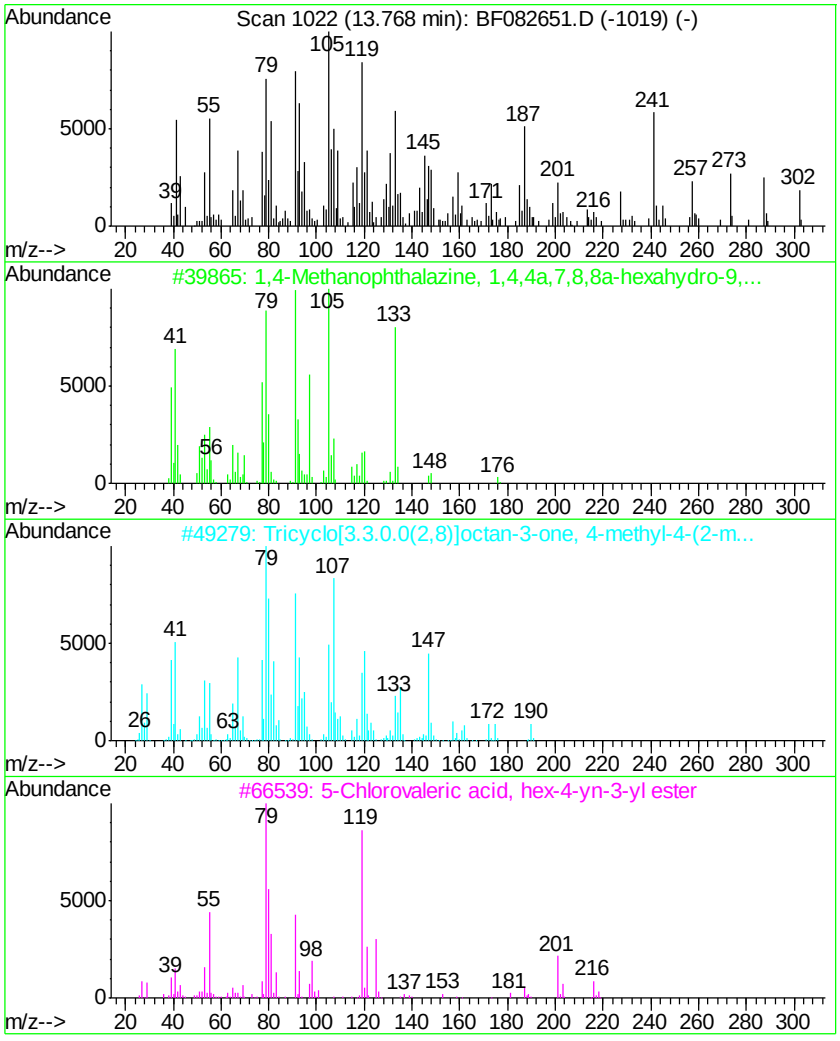
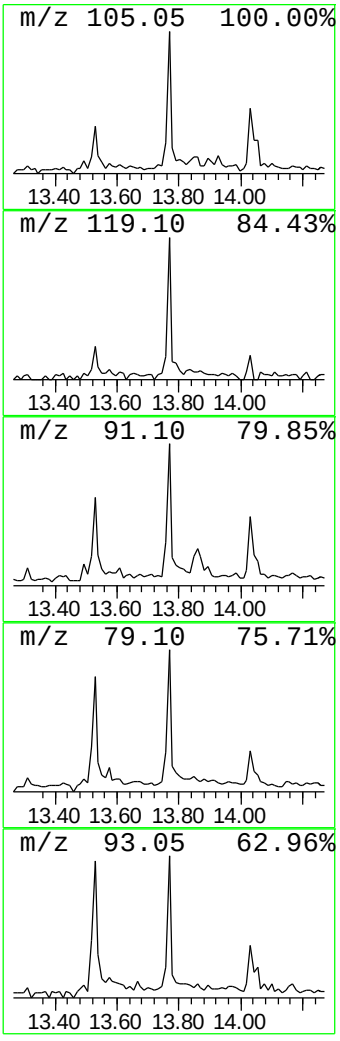
Peak Number 12 unknown13.77 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	4.55 ng	335288	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanophthalazine, 1,4,4a,7...	176	C11H16N2	1000221-84-9	38
2	Tricyclo[3.3.0.0(2,8)]octan-3-on...	190	C13H18O	1000150-11-8	30
3	5-Chlorovaleric acid, hex-4-yn-3...	216	C11H17ClO2	1000292-47-6	25
4	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	25
5	6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082651.D
Acq On : 3 Nov 2015 00:57
Operator : UM/IZ
Sample : G4223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-20R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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-Pentanone, 4-hy...	5.08	44.1	ng	2868310	1	6.89	1300640	20.0
.alpha.-Pinene	6.17	8.5	ng	554028	1	6.89	1300640	20.0
.beta.-Pinene	6.59	2.3	ng	151500	1	6.89	1300640	20.0
unknown6.66	6.66	97.7	ng	6353960	1	6.89	1300640	20.0
Cyclohexene, 4-me...	7.01	2.1	ng	138496	1	6.89	1300640	20.0
Hexanoic acid, 2-...	7.55	2.8	ng	209667	2	8.18	1508670	20.0
Eicosane	10.84	2.3	ng	161995	4	11.41	1434410	20.0
n-Hexadecanoic acid	11.95	3.9	ng	280188	4	11.41	1434410	20.0
Octadecanoic acid	12.74	4.1	ng	300037	5	14.05	1472880	20.0
2-Pentenoic acid,...	13.53	4.6	ng	340675	5	14.05	1472880	20.0
unknown13.77	13.77	4.5	ng	335288	5	14.05	1472880	20.0