LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084031.D
Acq On : 23 Dec 2015 11:15
Operator : UM/SJ
Sample : G4919-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-FOR-MATRIX-SPIKE

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-BF122215.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	5.013	254	256	265	rBB	187742	288354	12.58%	1.728%
2	5.447	292	294	297	rBV	1301649	1271754	55.48%	7.622%
3	6.476	382	384	387	rBV	1177256	1351583	58.97%	8.100%
4	6.602	393	395	398	rBV	2419996	2292149	100.00%	13.737%
5	6.830	413	415	417	rBV	476155	458218	19.99%	2.746%
6	6.990	426	429	431	rBV	1568757	2040942	89.04%	12.232%
7	7.390	462	464	467	rBV	1256755	1393164	60.78%	8.349%
8	7.527	474	476	482	rBV	31732	58953	2.57%	0.353%
9	8.110	525	527	530	rBV	422229	362693	15.82%	2.174%
10	9.196	619	622	624	rBV	1707291	1961634	85.58%	11.756%
11	9.585	654	656	658	rBV	451499	374195	16.33%	2.243%
12	9.871	678	681	683	rBB	414345	418143	18.24%	2.506%
13	10.305	718	719	721	rVB	38935	28803	1.26%	0.173%
14	10.659	747	750	752	rBV	1238603	1205787	52.61%	7.226%
15	10.774	758	760	765	rBV	40213	52625	2.30%	0.315%
16	11.219	798	799	801	rBV	17509	25055	1.09%	0.150%
17	11.356	809	811	813	rBV	343243	419183	18.29%	2.512%
18	12.762	932	934	936	rBB	93244	73284	3.20%	0.439%
19	12.934	947	949	952	rBV	1562053	1824908	79.62%	10.937%
20	13.459	994	995	997	rBV	44719	52289	2.28%	0.313%
21	13.837	1025	1028	1034	rBV	52263	78506	3.42%	0.470%
22	13.985	1039	1041	1044	rVB	364177	373598	16.30%	2.239%
23	15.414	1164	1166	1171	rBV	205472	280020	12.22%	1.678%

Sum of corrected areas: 16685840

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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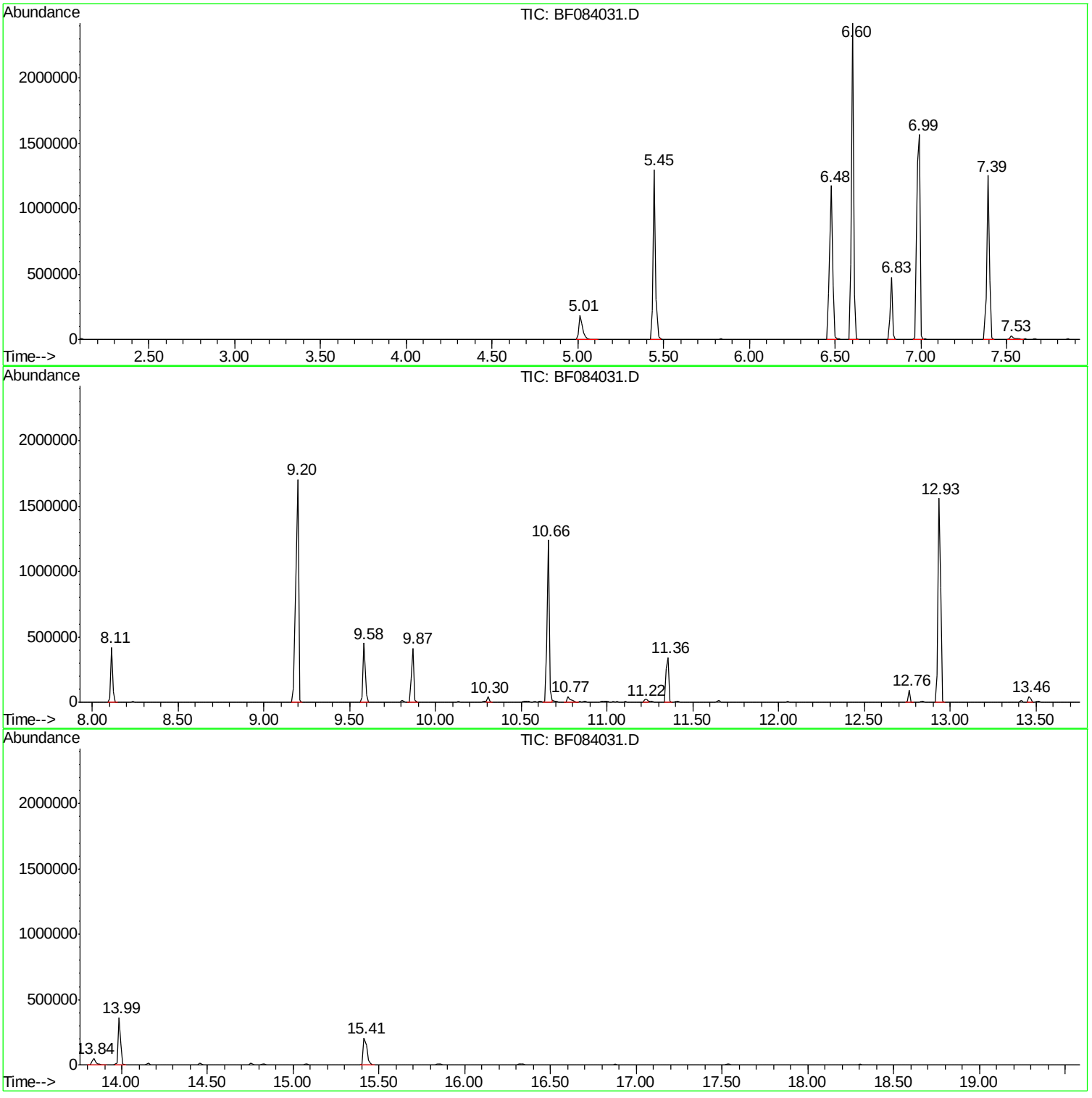
Operator : UM/SJ
Sample : G4919-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.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\BF122215\
Data File : BF084031.D
Acq On : 23 Dec 2015 11:15
Operator : UM/SJ
Sample : G4919-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

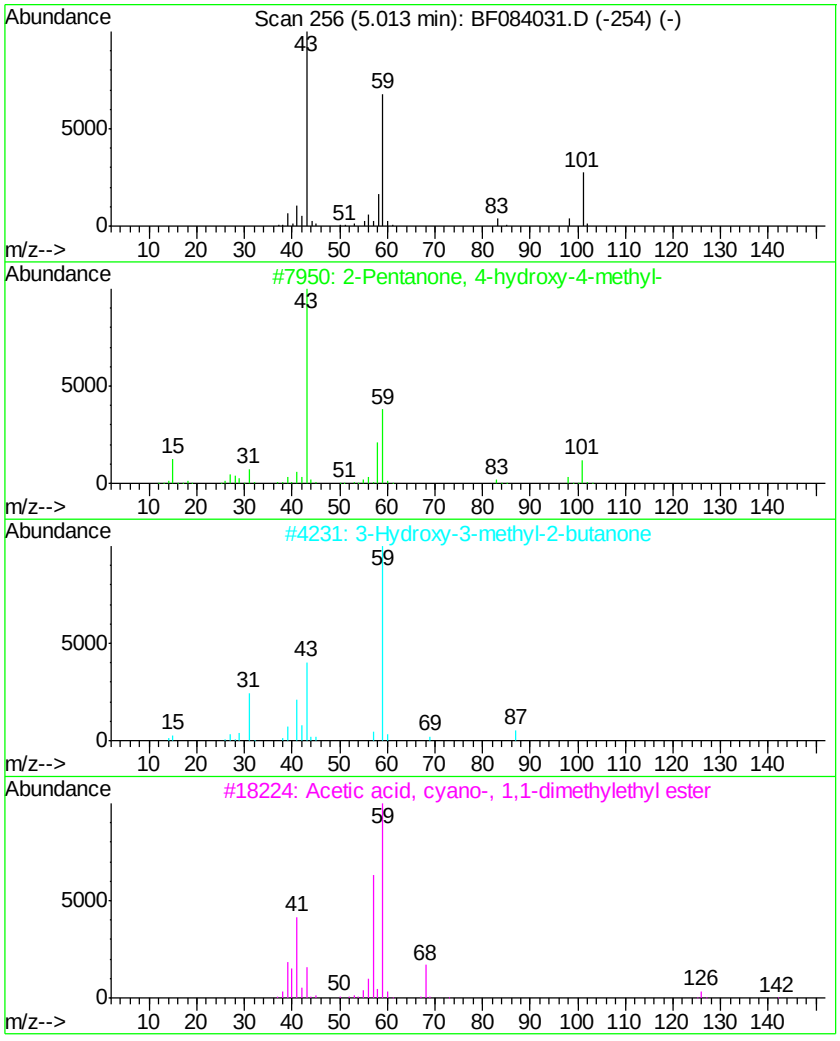
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

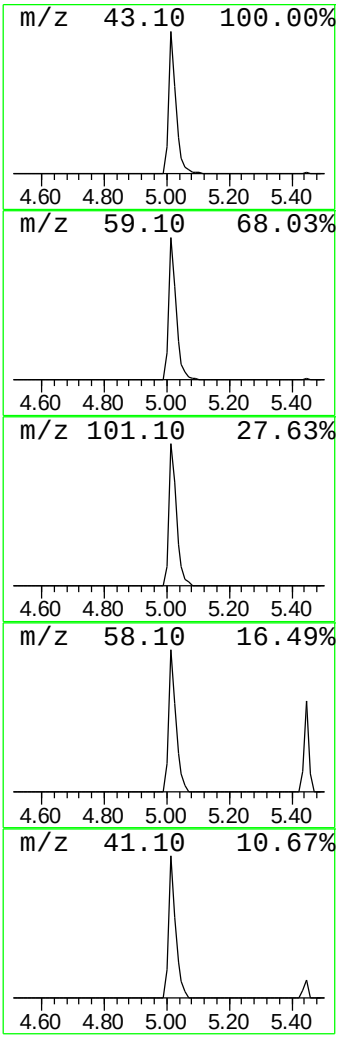
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	12.59 ng	288354	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Acetone	58	C3H6O	000067-64-1	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Acq On : 23 Dec 2015 11:15
Operator : UM/SJ
Sample : G4919-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

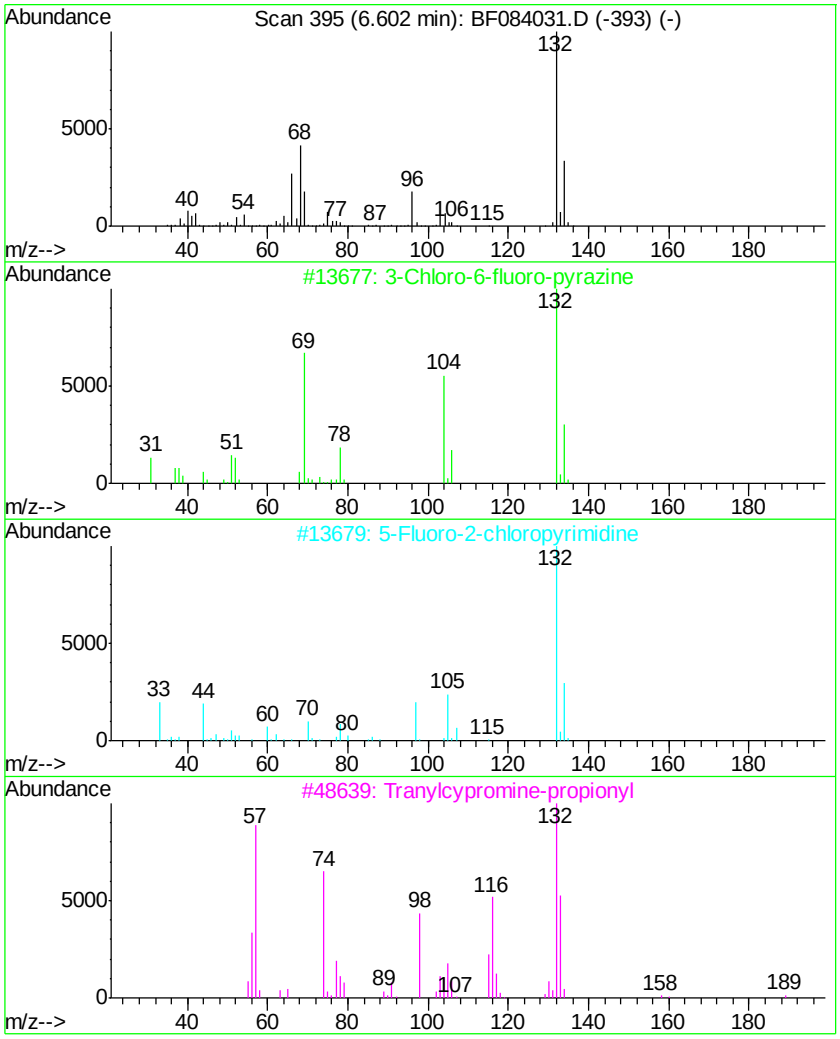
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

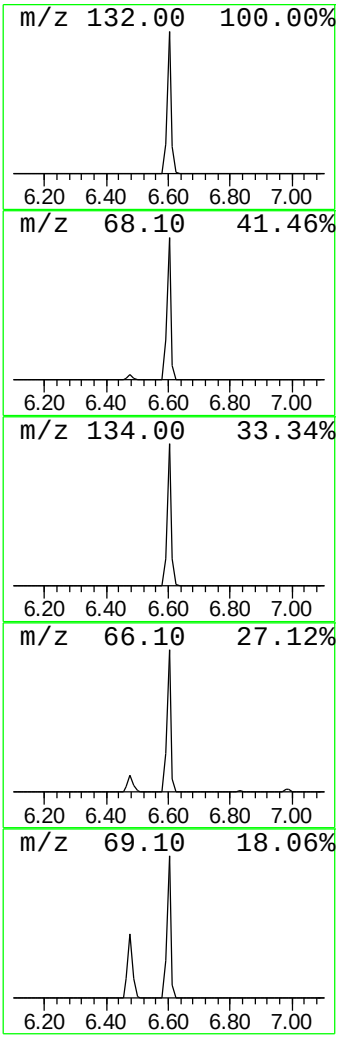
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	100.05 ng	2292150	1,4-Dichlorobenzene-d4	6.83

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084031.D
Acq On : 23 Dec 2015 11:15
Operator : UM/SJ
Sample : G4919-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

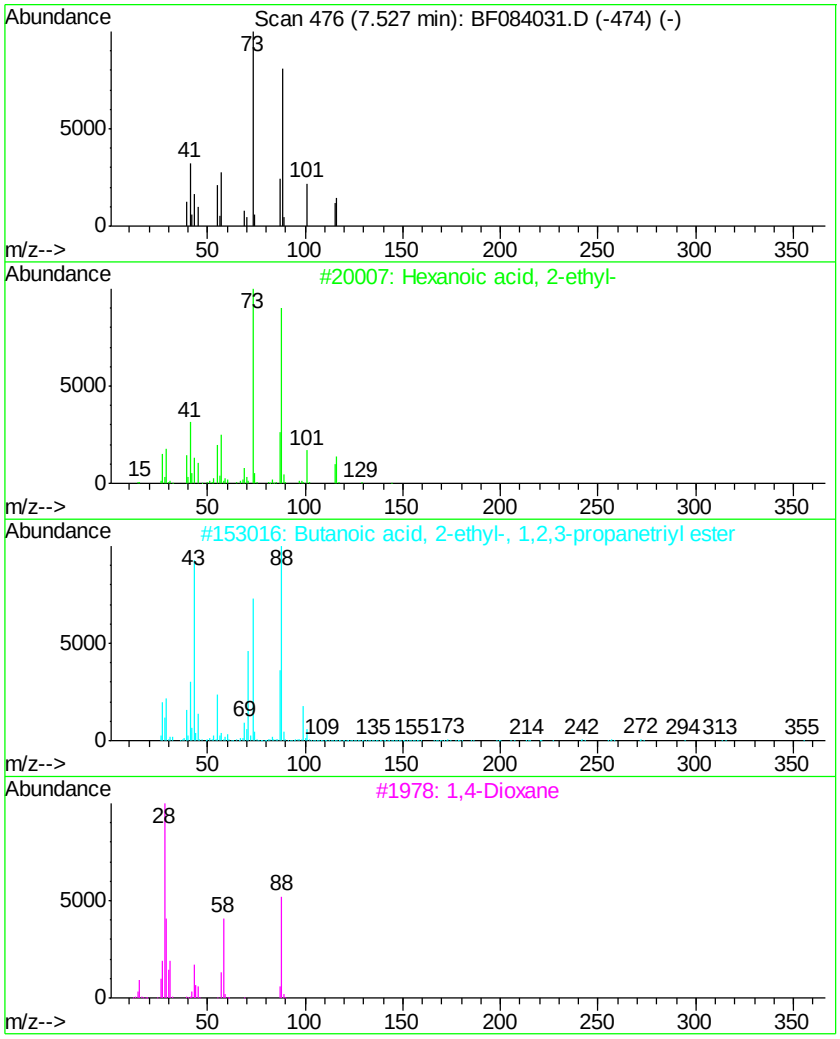
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

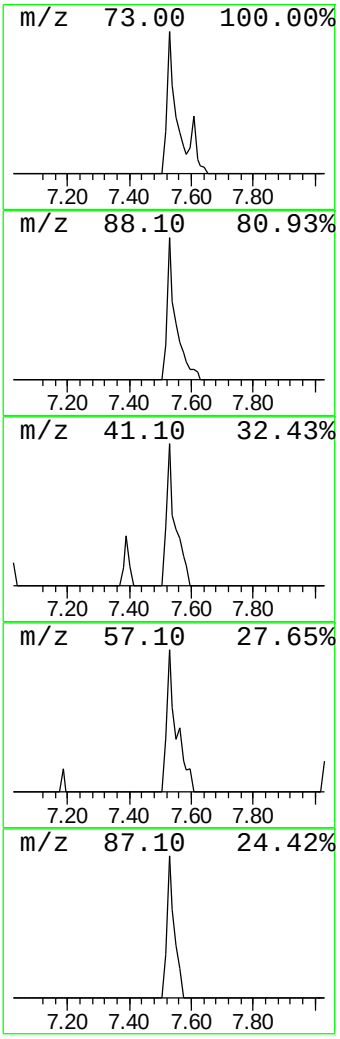
****

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	3.25 ng	58953	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	83
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45
3	1,4-Dioxane	88	C4H8O2	000123-91-1	37
4	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	22
5	Urea, N,N'-dimethyl-	88	C3H8N2O	000096-31-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084031.D
Acq On : 23 Dec 2015 11:15
Operator : UM/SJ
Sample : G4919-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

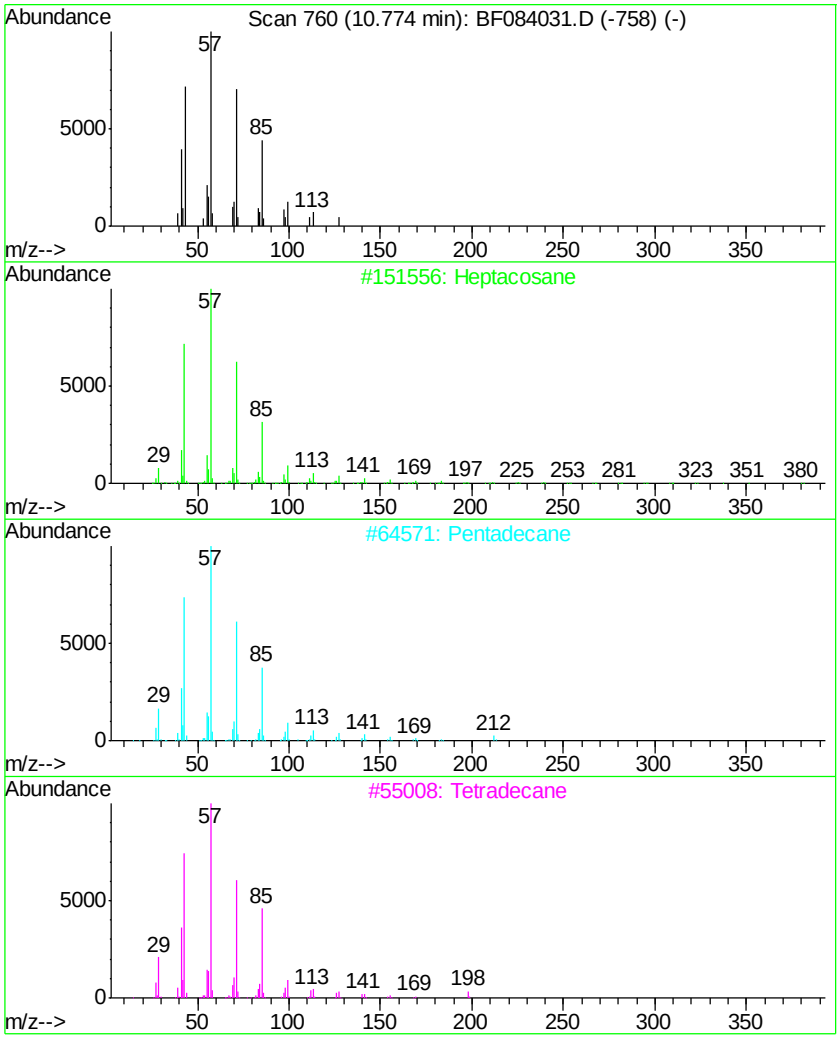
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

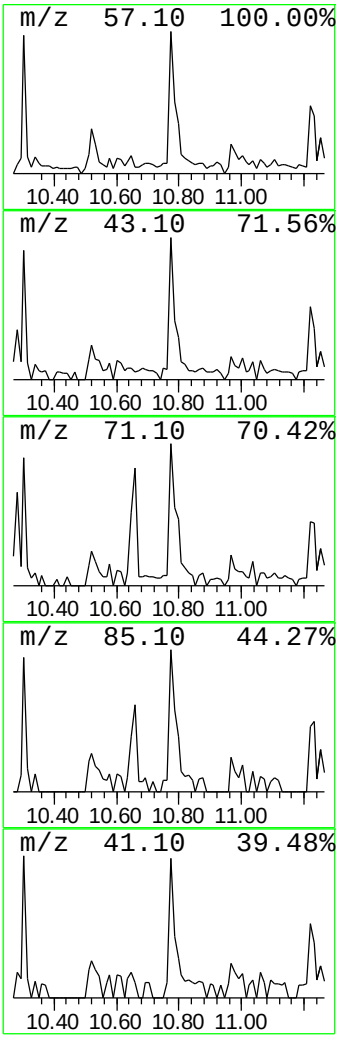
****

Peak Number 5 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.51 ng	52625	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Pentadecane	212	C15H32	000629-62-9	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Heptadecane	240	C17H36	000629-78-7	78
5	Eicosane	282	C20H42	000112-95-8	78





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Sample : G4919-05
Misc :
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Instrument :
BNA_F
ClientSampleId :
SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

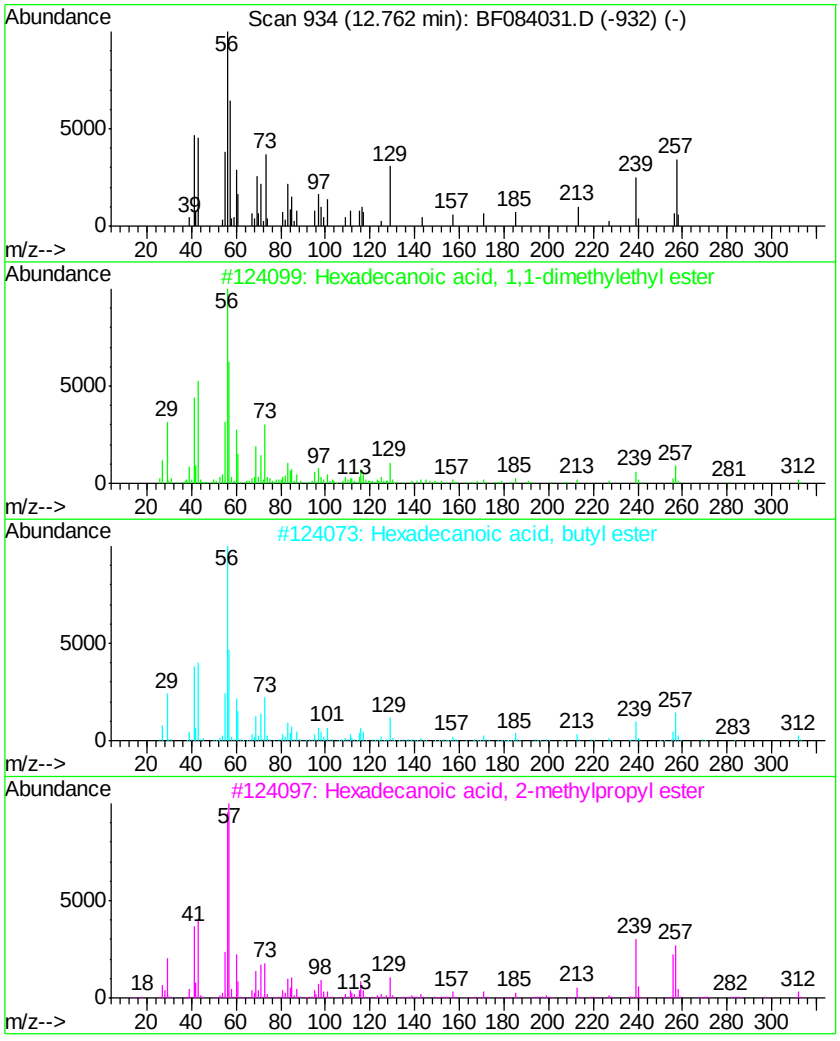
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

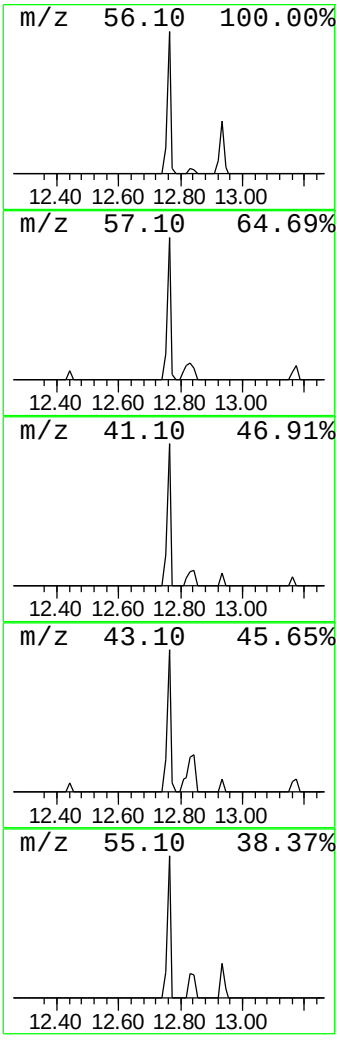
****

Peak Number 6 Hexadecanoic acid, 1,1-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	3.92 ng	73284	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	64
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	59
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	45
4	Nipecotic acid	129	C6H11NO2	000498-95-3	37
5	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	22





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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

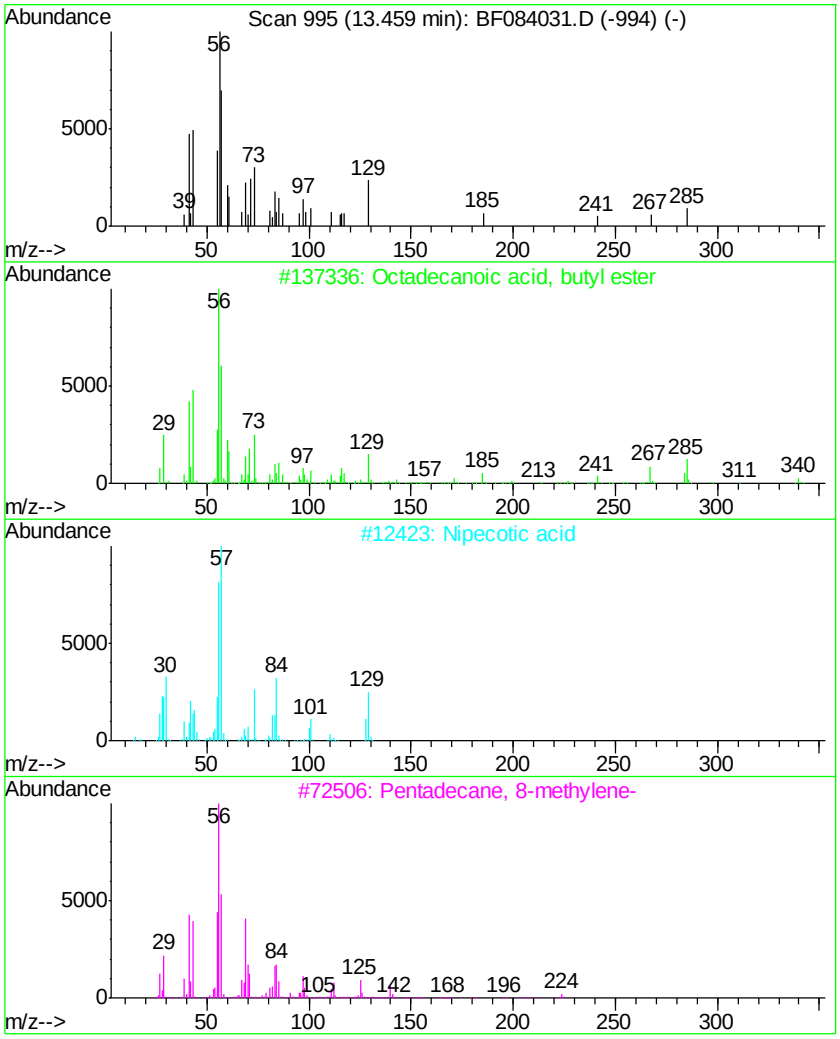
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

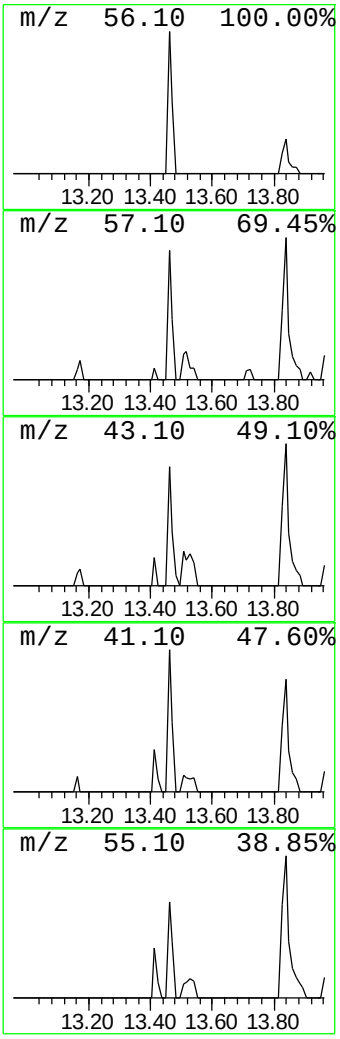
****

Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.80 ng	52289	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	64
2	Nipecotic acid	129	C6H11NO2	000498-95-3	47
3	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	32
4	2-Methyl-1-octadecene	266	C19H38	061868-20-0	25
5	Cyclopropane, 1-(1-methylethyl)-...	210	C15H30	041977-39-3	25





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Sample : G4919-05
Misc :
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Instrument : BNA_F
ClientSampleId : SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

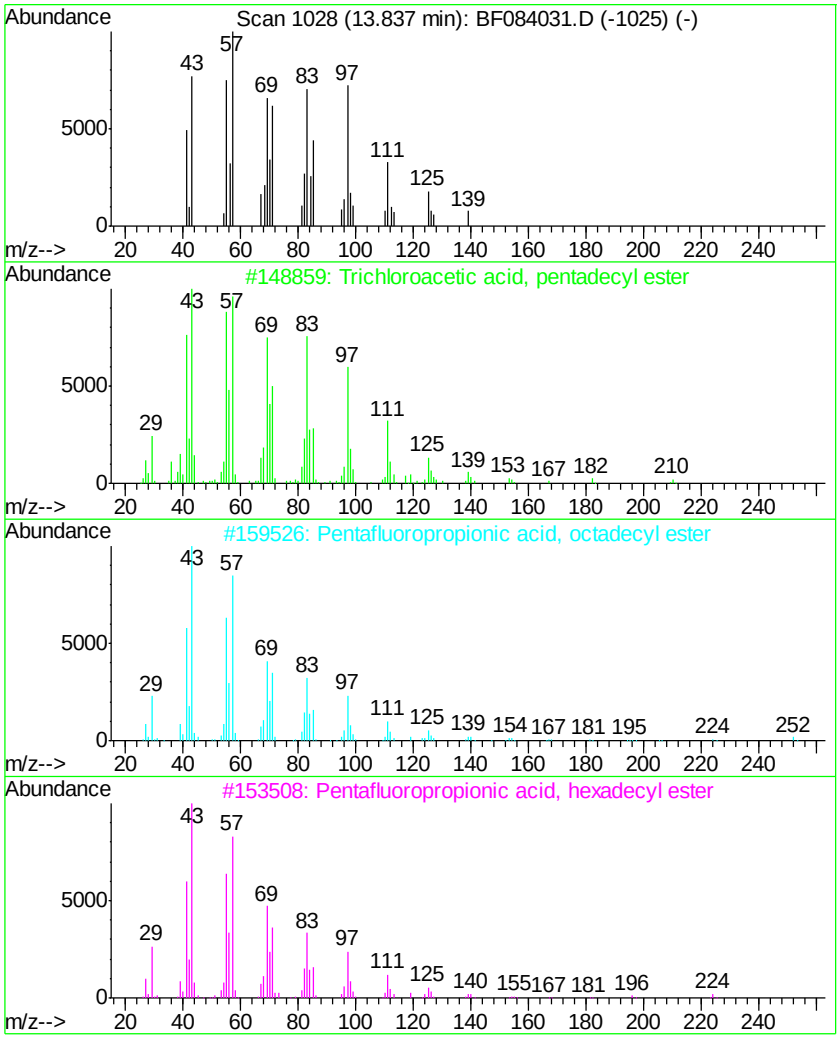
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

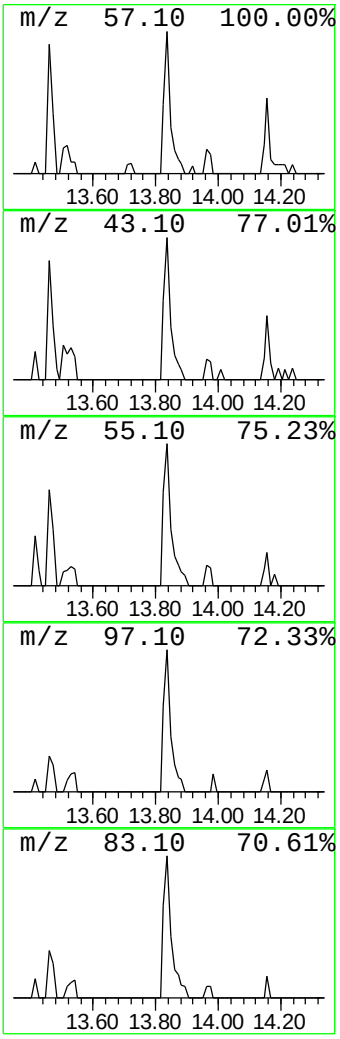
****

Peak Number 8 Trichloroacetic acid, penta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	4.20 ng	78506	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	87
2	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	86
3	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	83
4	1-Docosene	308	C22H44	001599-67-3	74
5	17-Pentatriacontene	491	C35H70	006971-40-0	72





Tentatively Identified Compound (LSC) summary

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Operator : UM/SJ
Sample : G4919-05
Misc :
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Instrument : BNA_F
ClientSampleId : SOIL-FOR-MATRIX-SPIKE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.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...	5.01	12.6	ng	288354	1	6.83	458218	20.0
unknown6.60	6.60	100.1	ng	2292150	1	6.83	458218	20.0
Hexanoic acid, 2-...	7.53	3.3	ng	58953	2	8.11	362693	20.0
Heptacosane	10.77	2.5	ng	52625	4	11.36	419183	20.0
Hexadecanoic acid...	12.76	3.9	ng	73284	5	13.99	373598	20.0
Octadecanoic acid...	13.46	2.8	ng	52289	5	13.99	373598	20.0
Trichloroacetic a...	13.84	4.2	ng	78506	5	13.99	373598	20.0