LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093919.D
Acq On : 24 Mar 2017 21:08
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSEGRADEAGGREGATE-R

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-BF032217.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	2.945	175	180	186	rBV	384093	403279	3.22%	0.833%
2	3.604	282	292	295	rBV	5984149	12525173	100.00%	25.884%
3	4.122	372	380	383	rBV	2832439	4020745	32.10%	8.309%
4	4.492	438	443	446	rBV	2057951	1812308	14.47%	3.745%
5	5.551	617	623	626	rBV	2781530	2965736	23.68%	6.129%
6	5.698	643	648	652	rBV	2497115	2556849	20.41%	5.284%
7	5.957	688	692	696	rBV	1123825	991203	7.91%	2.048%
8	6.139	718	723	726	rBV	3042484	3061418	24.44%	6.327%
9	6.322	750	754	758	rBV	447923	387446	3.09%	0.801%
10	6.604	796	802	805	rBV	2158286	2504622	20.00%	5.176%
11	6.910	847	854	860	rVB2	131345	237645	1.90%	0.491%
12	7.463	942	948	951	rBV	1387931	1371886	10.95%	2.835%
13	8.786	1166	1173	1176	rBV	4080653	4567293	36.46%	9.439%
14	9.274	1252	1256	1260	rBV	179283	169686	1.35%	0.351%
15	9.498	1284	1294	1303	rBV	98852	195231	1.56%	0.403%
16	9.604	1303	1312	1316	rVV2	1503361	1538331	12.28%	3.179%
17	10.569	1471	1476	1480	rBV	638347	616846	4.92%	1.275%
18	11.427	1617	1622	1626	rBV	1522331	1506875	12.03%	3.114%
19	13.410	1953	1959	1963	rVB2	3651057	4327843	34.55%	8.944%
20	14.562	2150	2155	2163	rBV	134723	206901	1.65%	0.428%
21	14.680	2170	2175	2179	rBV	1298246	1383803	11.05%	2.860%
22	16.315	2447	2453	2462	rBV	850186	1038679	8.29%	2.146%

Sum of corrected areas: 48389798

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093919.D
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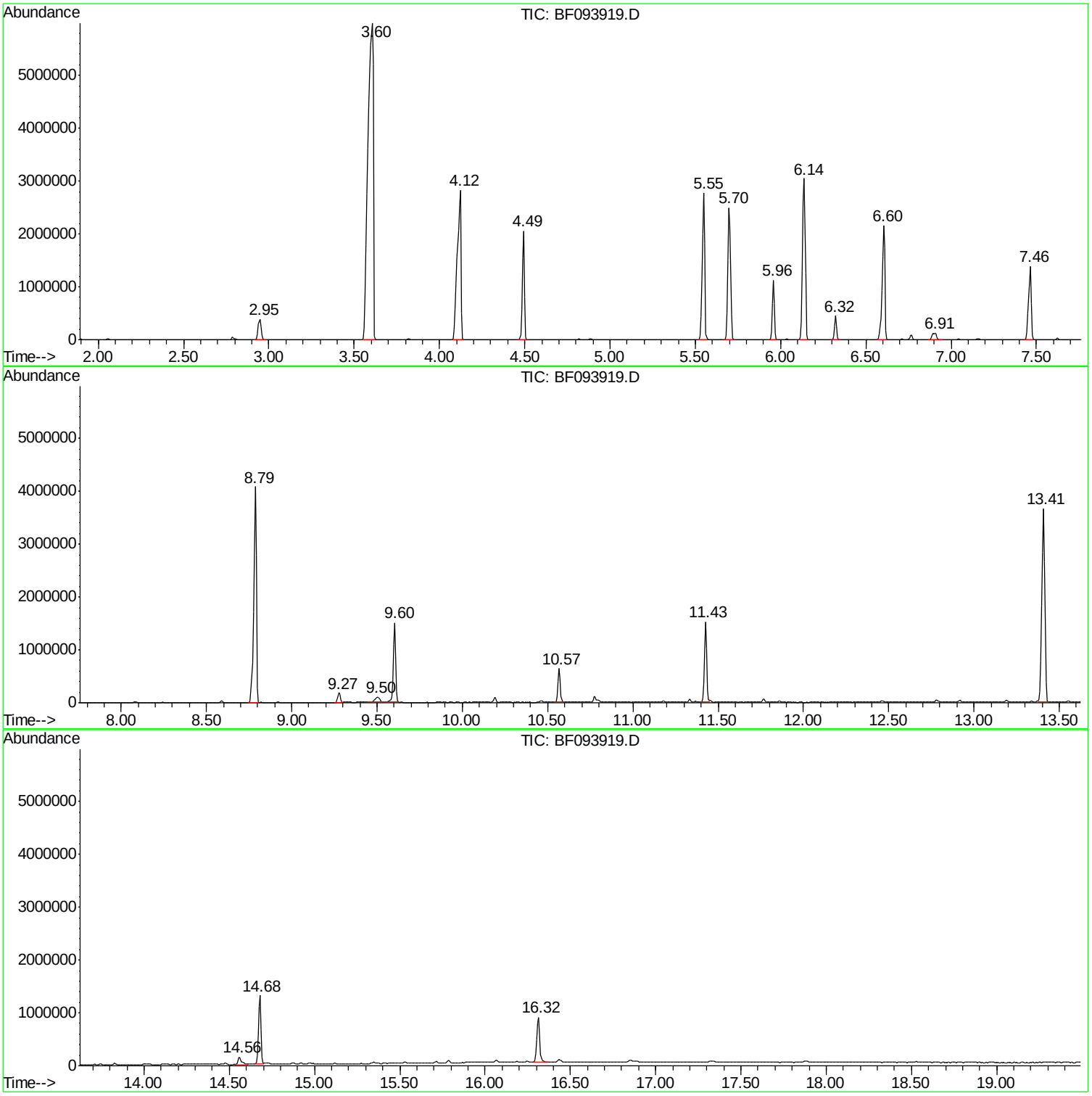
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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\BF032417\
Data File : BF093919.D
Acq On : 24 Mar 2017 21:08
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

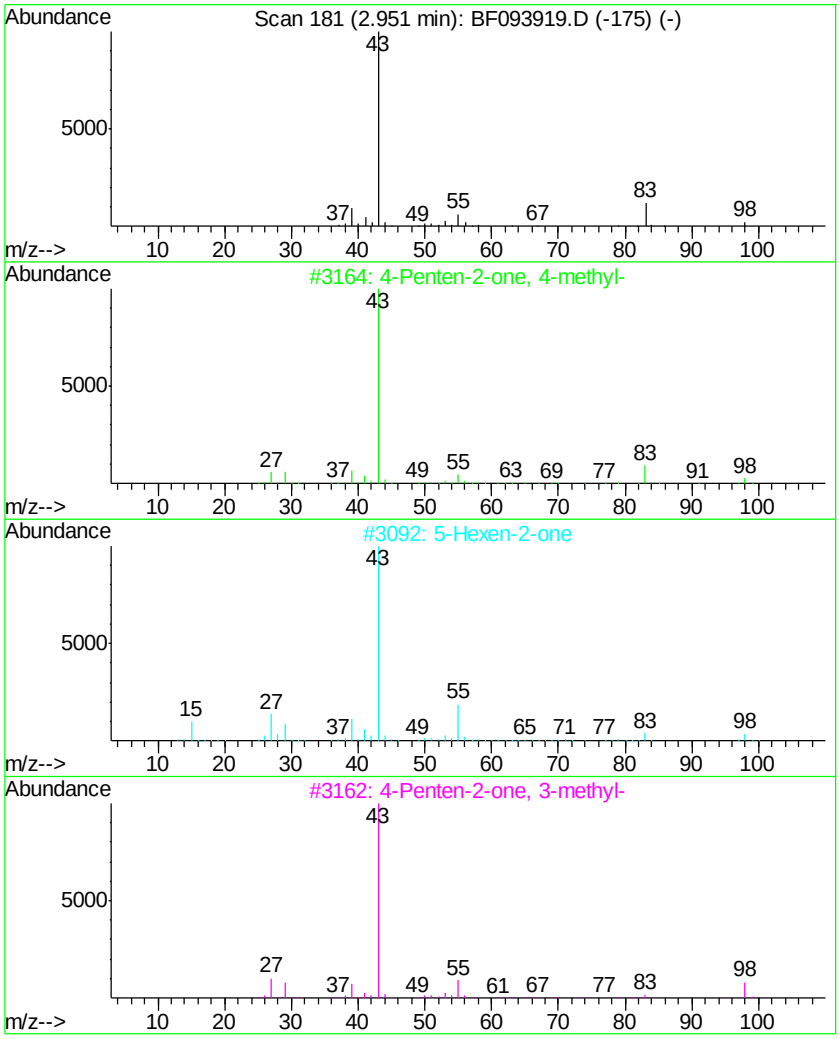
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

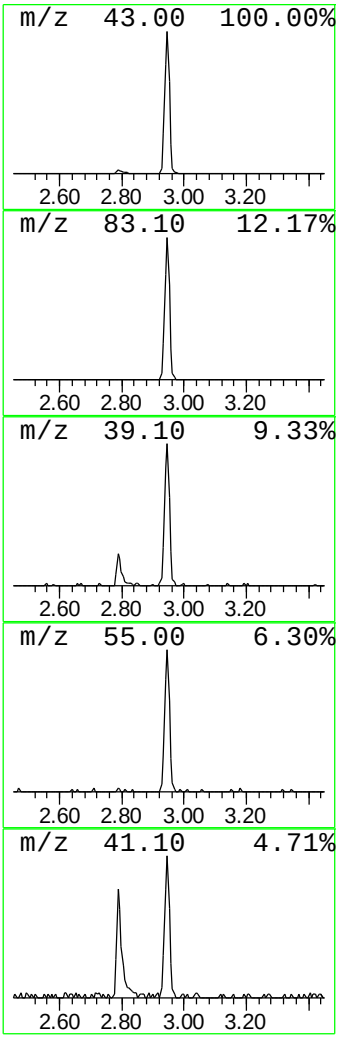
****

Peak Number 1 4-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	8.14 ng	403279	1,4-Dichlorobenzene-d4	5.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	86
2	5-Hexen-2-one	98	C6H10O	000109-49-9	47
3	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	37
4	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	22
5	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093919.D
Acq On : 24 Mar 2017 21:08
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

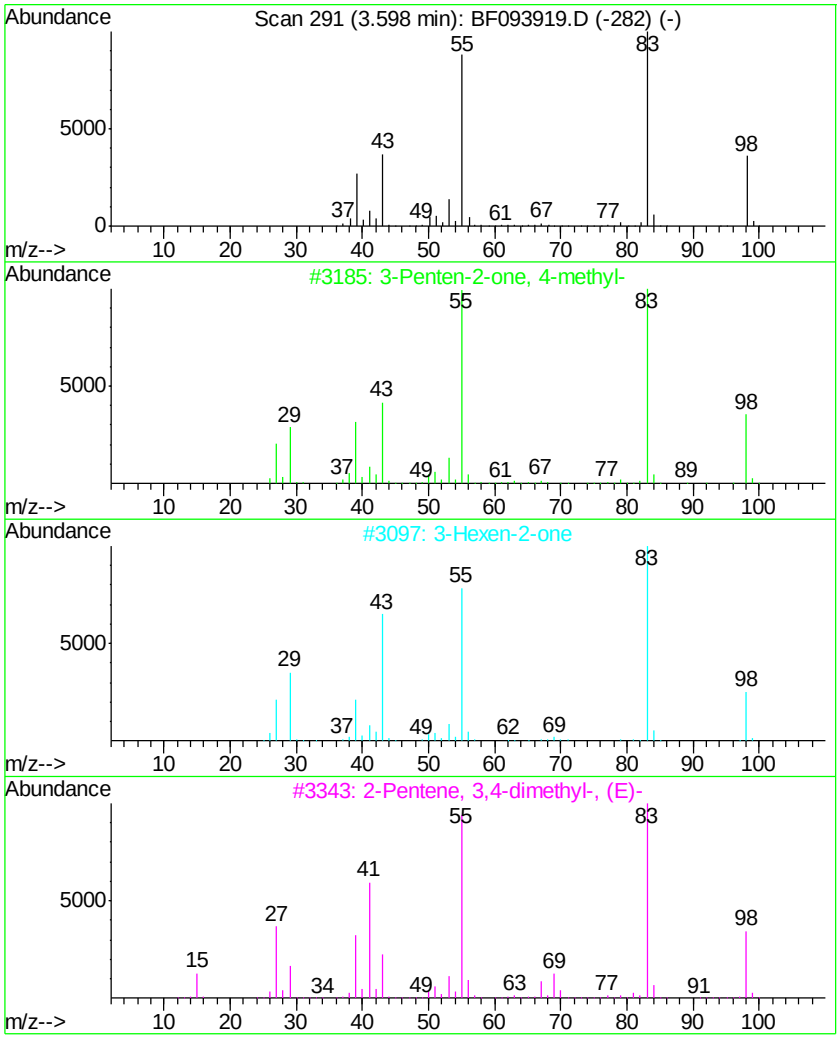
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

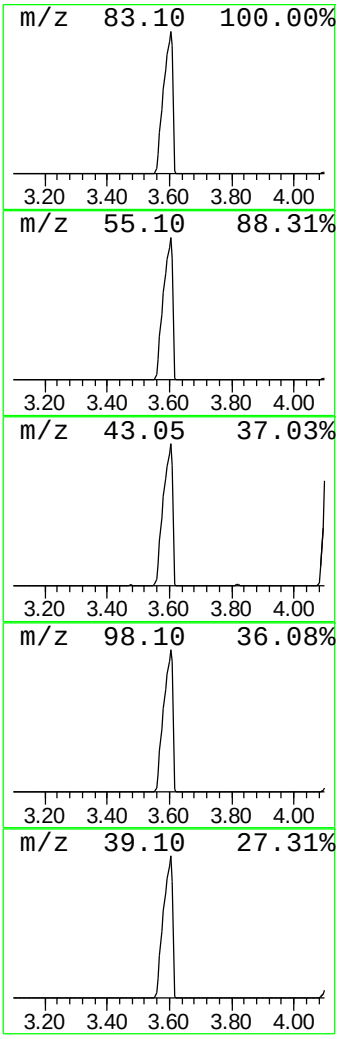
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	252.73 ng	12525200	1,4-Dichlorobenzene-d4	5.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093919.D
Acq On : 24 Mar 2017 21:08
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

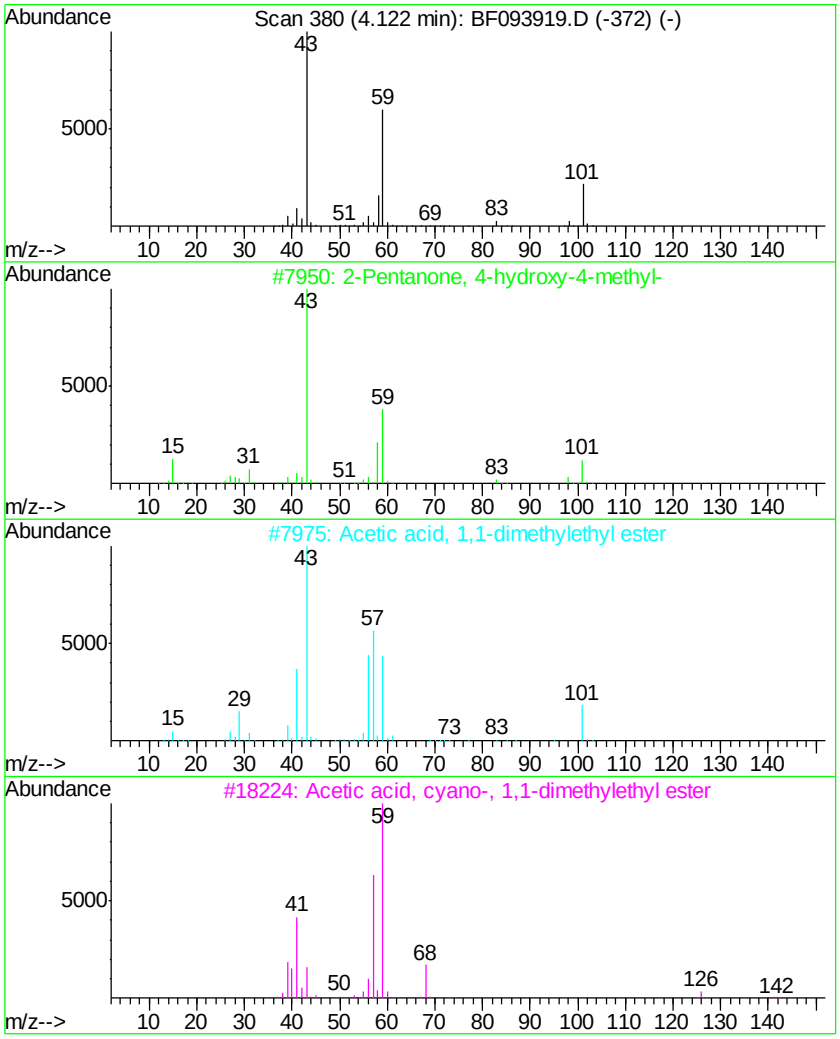
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

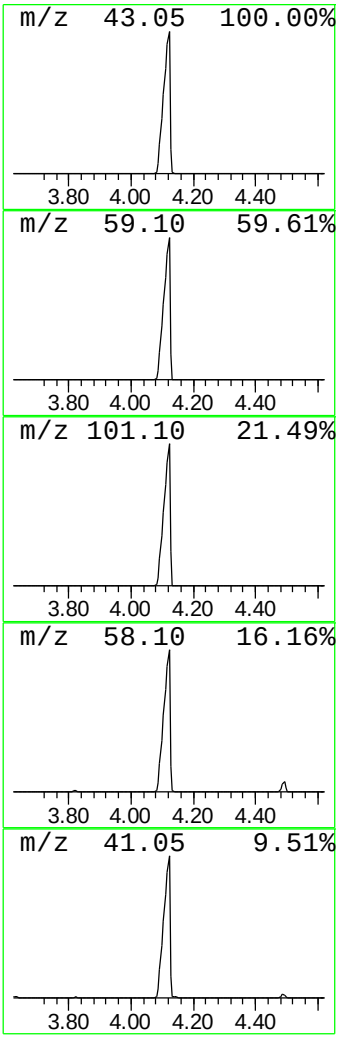
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	81.13 ng	4020750	1,4-Dichlorobenzene-d4	5.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093919.D
Acq On : 24 Mar 2017 21:08
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

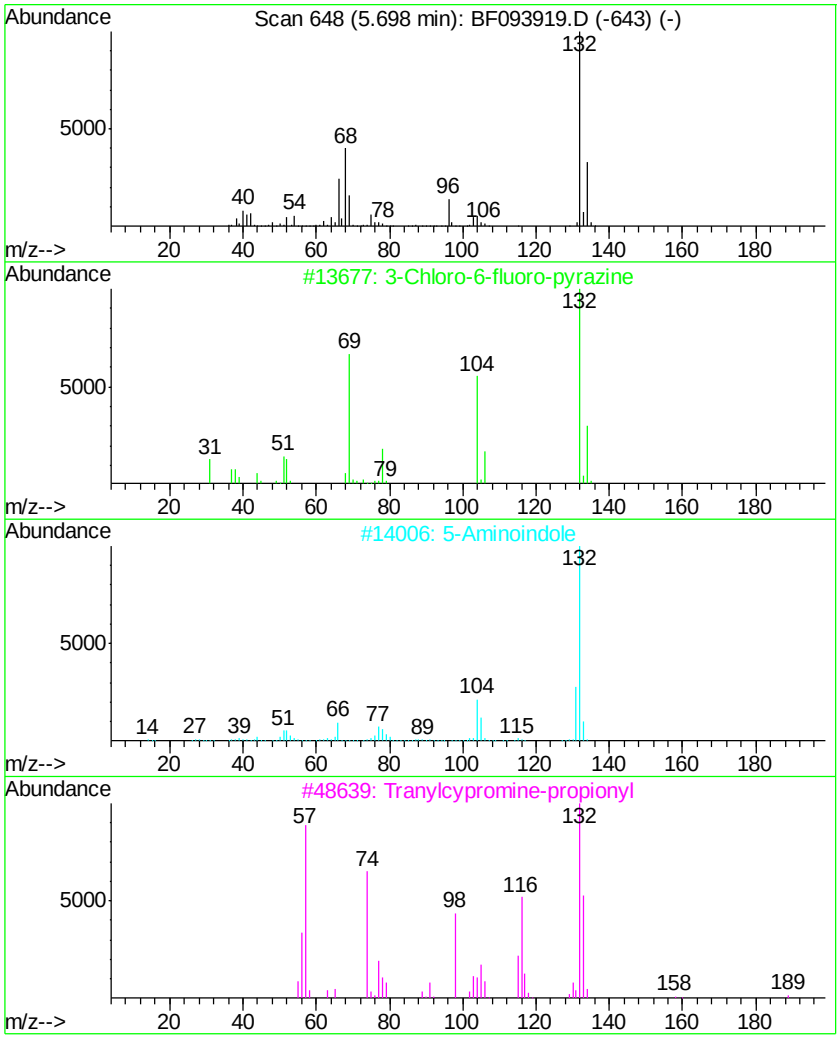
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

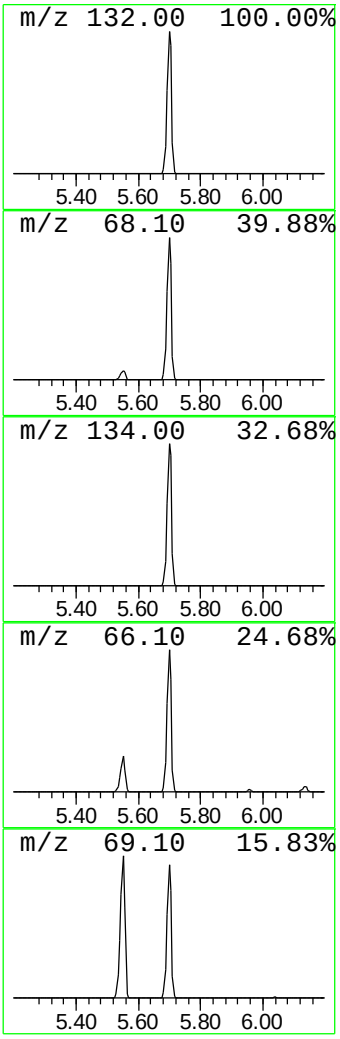
****

Peak Number 4 unknown5.70 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	51.59 ng	2556850	1,4-Dichlorobenzene-d4	5.96

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\
Data File : BF093919.D
Acq On : 24 Mar 2017 21:08
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

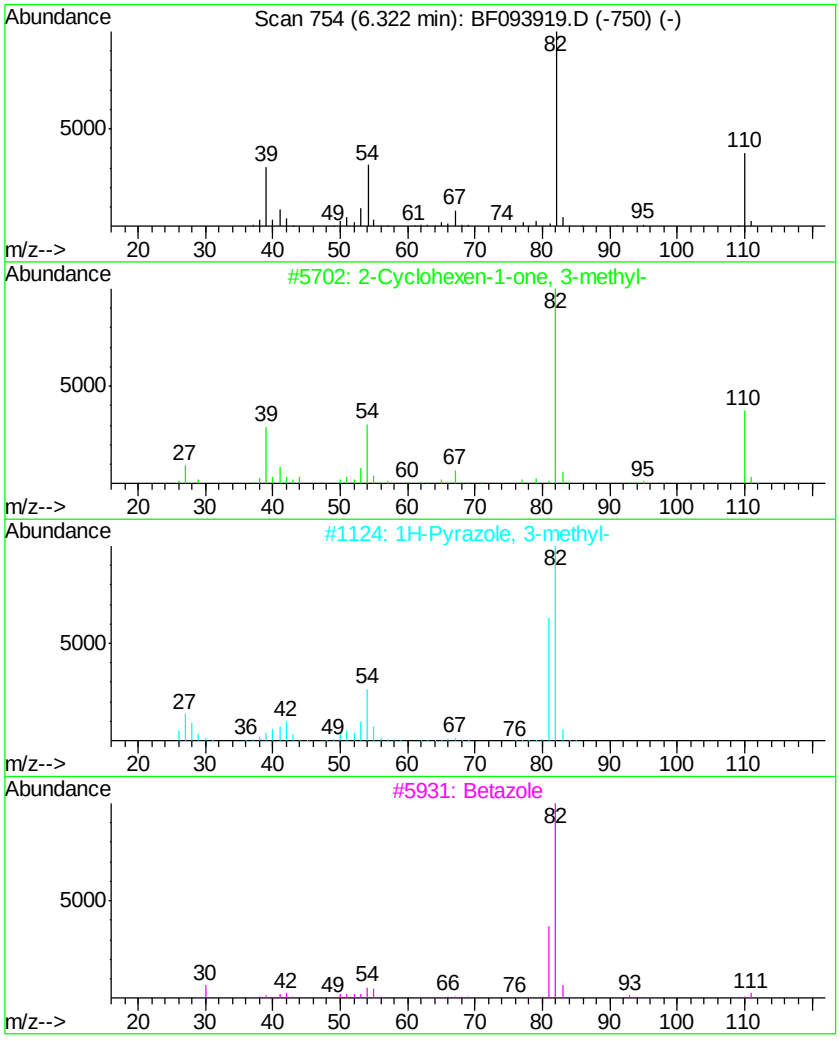
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

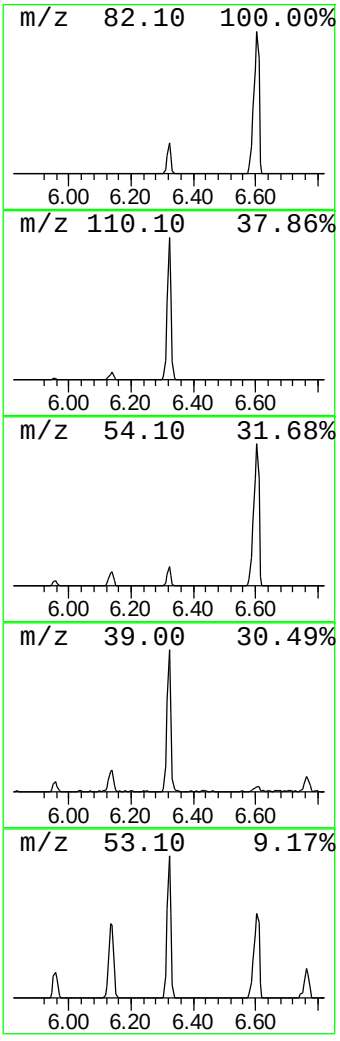
****

Peak Number 6 2-Cyclohexen-1-one, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	7.82 ng	387446	1,4-Dichlorobenzene-d4	5.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 3-methyl-	110	C7H10O	001193-18-6	91
2	1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	50
3	Betazole	111	C5H9N3	000105-20-4	40
4	2-Cyclohexen-1-one, 6-(1-hydroxy...	168	C10H16O2	087791-00-2	40
5	cis-1,2-Cyclohexanedicarboxylic ...	154	C8H10O3	013149-00-3	36





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Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

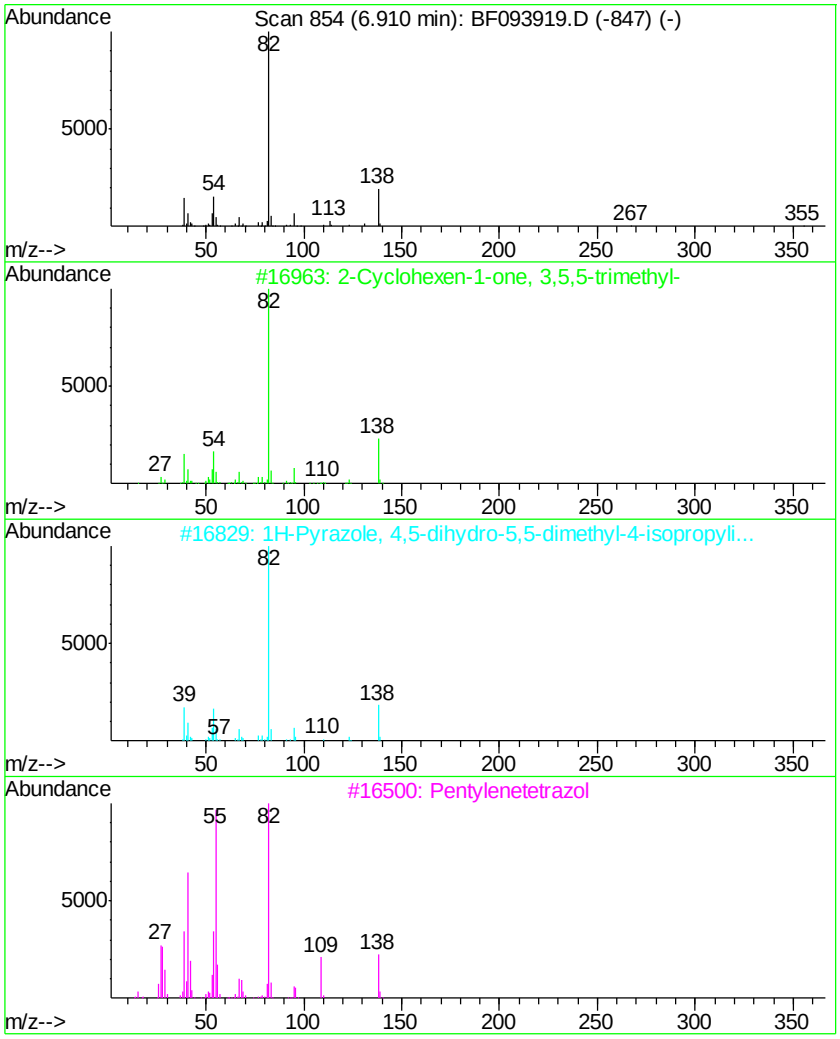
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

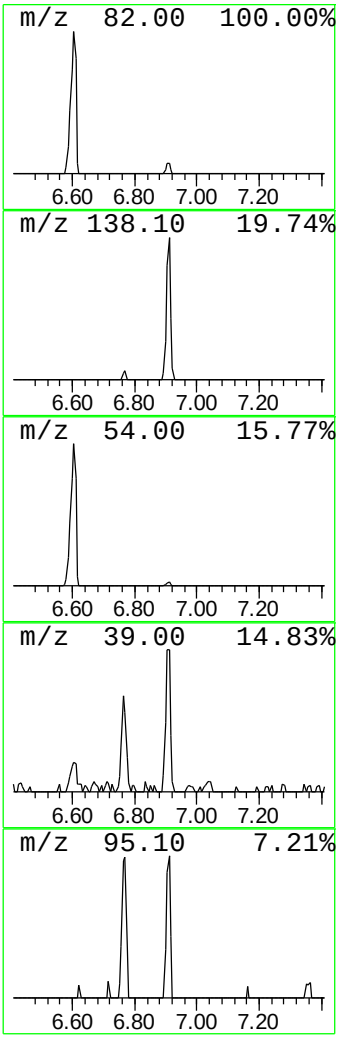
****

Peak Number 7 2-Cyclohexen-1-one, 3,5,5-t... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	3.46 ng	237645	Naphthalene-d8	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 3,5,5-trimet...	138	C9H14O	000078-59-1	90
2	1H-Pyrazole, 4,5-dihydro-5,5-dim...	138	C8H14N2	106251-09-6	90
3	Pentylenetetrazol	138	C6H10N4	000054-95-5	56
4	2-Cyclohexen-1-one, 3,5-dimethyl-	124	C8H12O	001123-09-7	53
5	Betazole	111	C5H9N3	000105-20-4	50





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Operator : SJ/MA
Sample : I2381-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

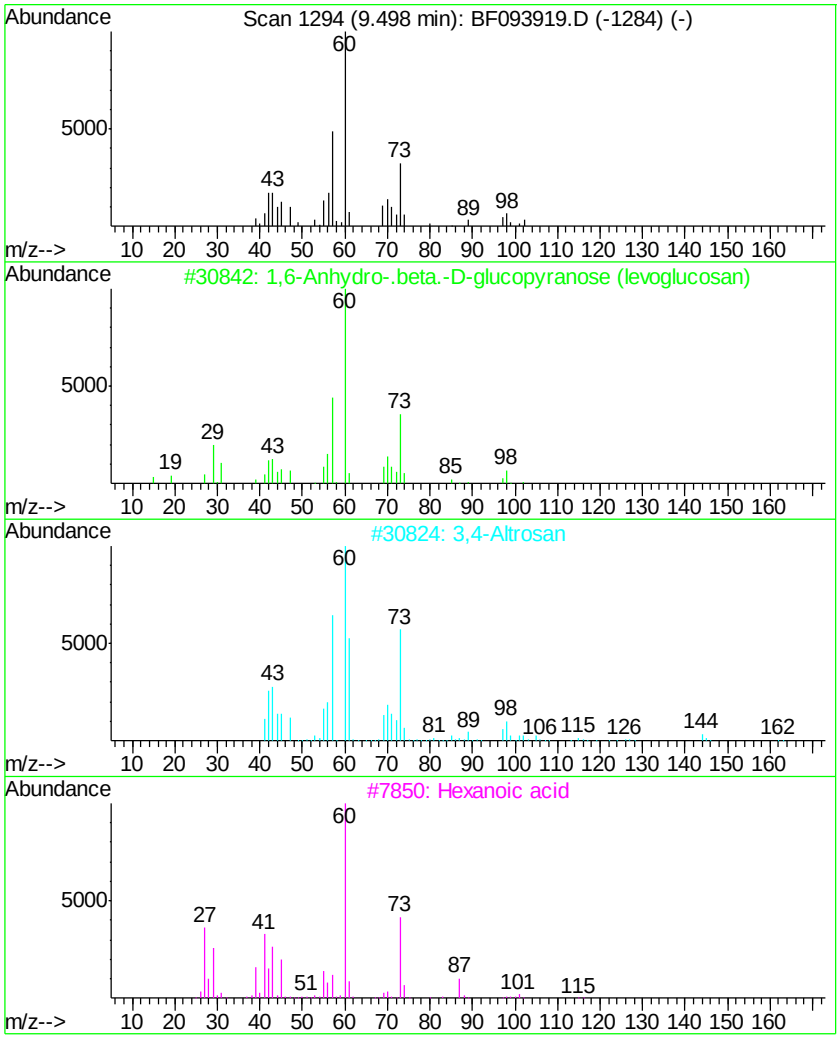
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

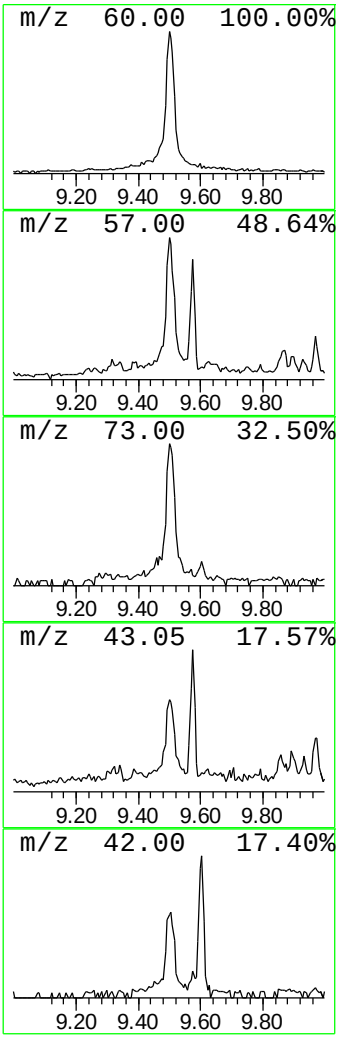
****

Peak Number 8 1,6-Anhydro-.beta.-D-glucop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	2.54 ng	195231	Acenaphthene-d10	9.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Anhydro-.beta.-D-glucopyrano...	162	C6H10O5	000498-07-7	80
2	3,4-Altrosan	162	C6H10O5	1000129-76-4	53
3	Hexanoic acid	116	C6H12O2	000142-62-1	50
4	Pentanoic acid	102	C5H10O2	000109-52-4	50
5	L-Mannose, 6-deoxy-	164	C6H12O5	003615-41-6	45





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Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

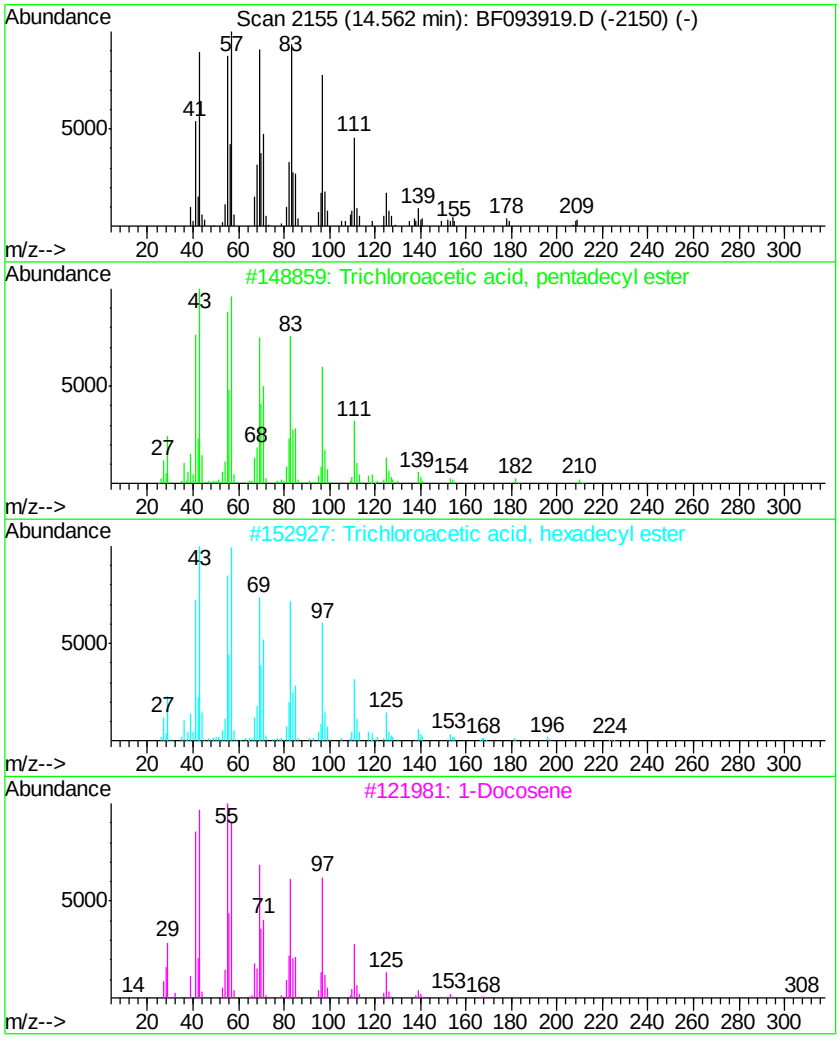
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

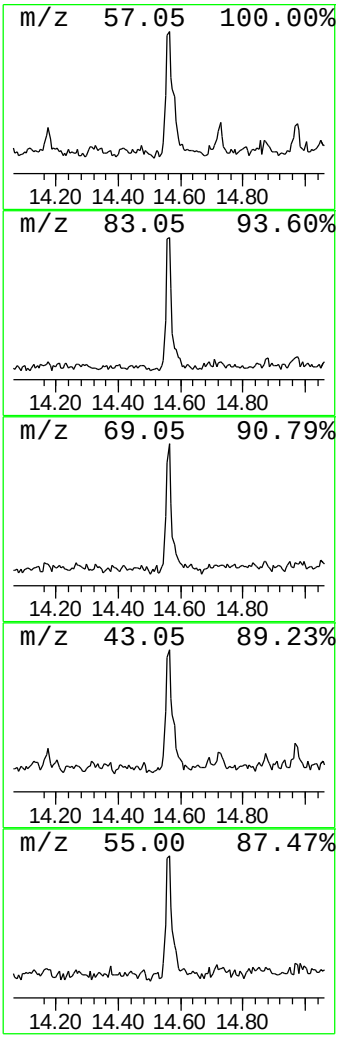
****

Peak Number 9 Trichloroacetic acid, penta... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.99 ng	206901	Chrysene-d12	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
3	1-Docosene	308	C22H44	001599-67-3	81
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	80
5	1-Nonadecene	266	C19H38	018435-45-5	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF032417\
Data File : BF093919.D
Acq On : 24 Mar 2017 21:08
Operator : SJ/MA
Sample : I2381-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSEGRADEAGGREGATE-R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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
4-Penten-2-one, 4...	2.95	8.1	ng	403279	1	5.96	991203	20.0
3-Penten-2-one, 4...	3.60	252.7	ng	12525200	1	5.96	991203	20.0
2-Pentanone, 4-hy...	4.12	81.1	ng	4020750	1	5.96	991203	20.0
unknown5.70	5.70	51.6	ng	2556850	1	5.96	991203	20.0
2-Cyclohexen-1-on...	6.32	7.8	ng	387446	1	5.96	991203	20.0
2-Cyclohexen-1-on...	6.91	3.5	ng	237645	2	7.46	1371890	20.0
1,6-Anhydro-.beta...	9.50	2.5	ng	195231	3	9.60	1538330	20.0
Trichloroacetic a...	14.56	3.0	ng	206901	5	14.68	1383800	20.0