LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084022.D
Acq On : 23 Dec 2015 7:04
Operator : UM/SJ
Sample : G4920-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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	253	256	265	rBB	195750	271332	12.94%	1.757%
2	5.447	292	294	297	rBV	1220444	1149656	54.82%	7.444%
3	6.476	382	384	387	rBV	1857734	1862994	88.84%	12.063%
4	6.601	393	395	397	rBV	2314459	2097105	100.00%	13.578%
5	6.830	413	415	417	rBV	475351	422930	20.17%	2.738%
6	6.990	426	429	431	rBV	1295425	1738502	82.90%	11.257%
7	7.390	462	464	467	rBV	1241709	1226536	58.49%	7.942%
8	8.110	525	527	530	rBV	682810	594576	28.35%	3.850%
9	9.196	619	622	624	rBV	1130427	1511743	72.09%	9.788%
10	9.585	654	656	658	rBV	346576	296240	14.13%	1.918%
11	9.870	678	681	683	rVB	376575	398700	19.01%	2.582%
12	10.305	717	719	721	rVB	44577	36142	1.72%	0.234%
13	10.522	735	738	741	rBV	14206	27780	1.32%	0.180%
14	10.659	747	750	752	rBV	872436	948465	45.23%	6.141%
15	10.773	758	760	765	rVB	49624	60278	2.87%	0.390%
16	11.219	797	799	801	rBV	23333	30338	1.45%	0.196%
17	11.356	808	811	813	rBV	299076	401777	19.16%	2.601%
18	12.762	932	934	936	rBV	128741	103258	4.92%	0.669%
19	12.933	947	949	952	rBV	1420968	1368868	65.27%	8.863%
20	13.459	994	995	997	rBB	58817	73842	3.52%	0.478%
21	13.836	1025	1028	1035	rBV	62885	91670	4.37%	0.594%
22	13.985	1039	1041	1044	rBV	410537	411669	19.63%	2.666%
23	15.414	1164	1166	1172	rBV	207189	319920	15.26%	2.071%

Sum of corrected areas: 15444321

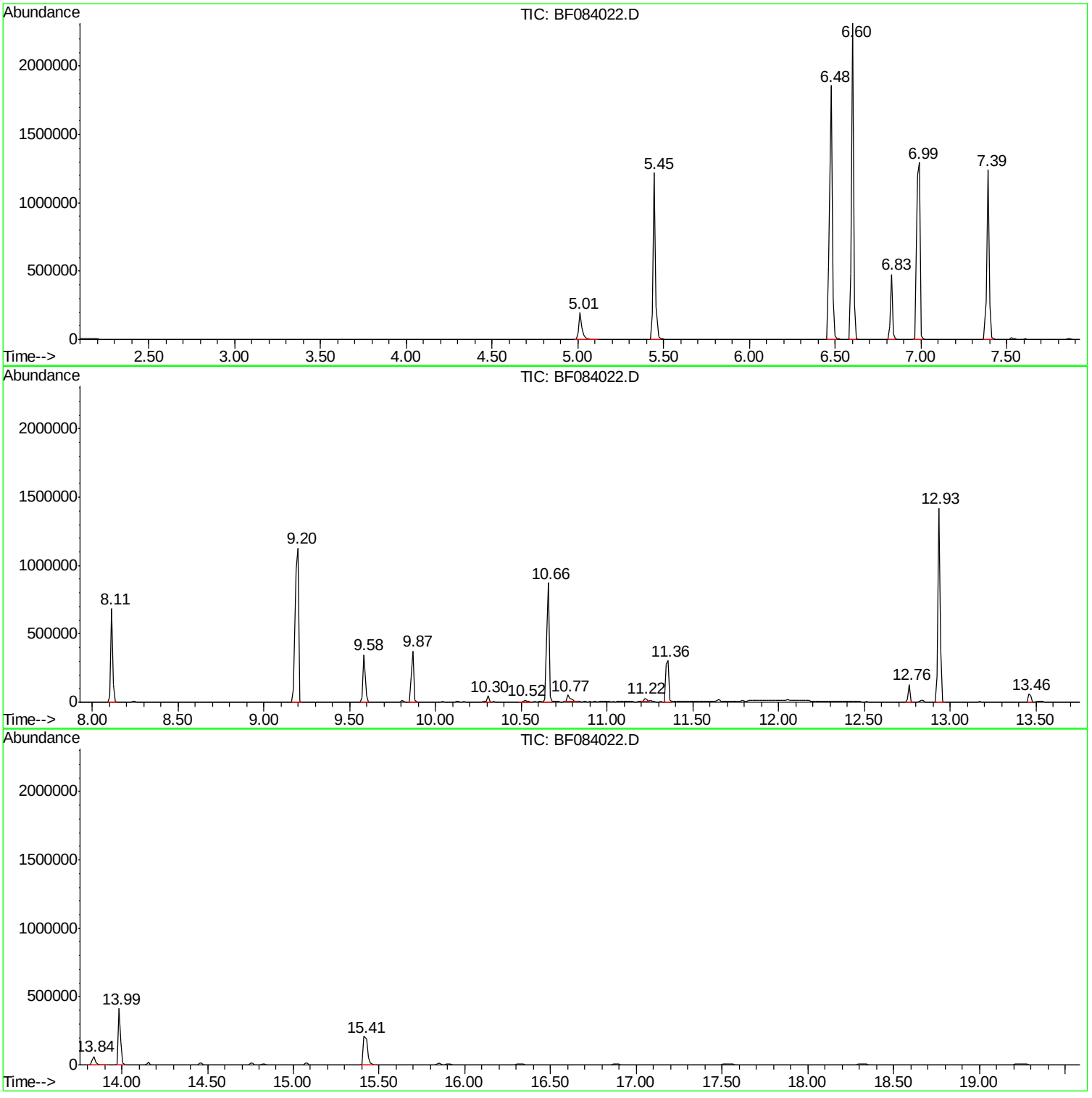
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084022.D
Acq On : 23 Dec 2015 7:04
Operator : UM/SJ
Sample : G4920-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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 : BF084022.D
Acq On : 23 Dec 2015 7:04
Operator : UM/SJ
Sample : G4920-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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

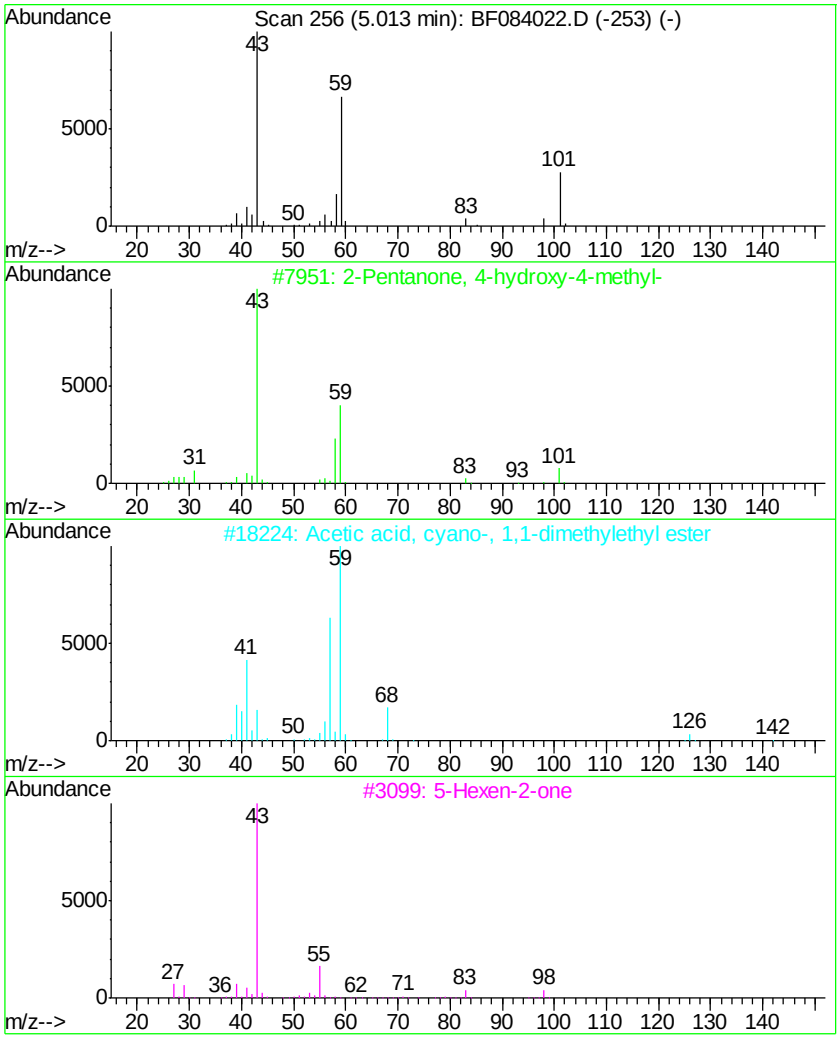
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

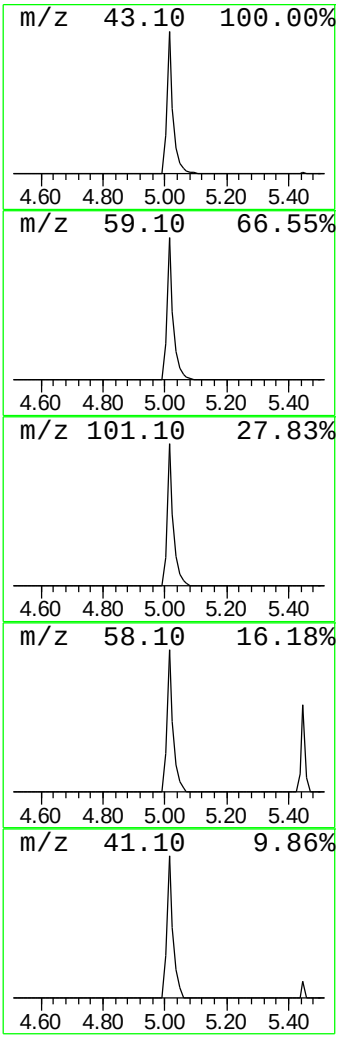
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	12.83 ng	271332	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	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane	58	C4H10	000106-97-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084022.D
Acq On : 23 Dec 2015 7:04
Operator : UM/SJ
Sample : G4920-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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

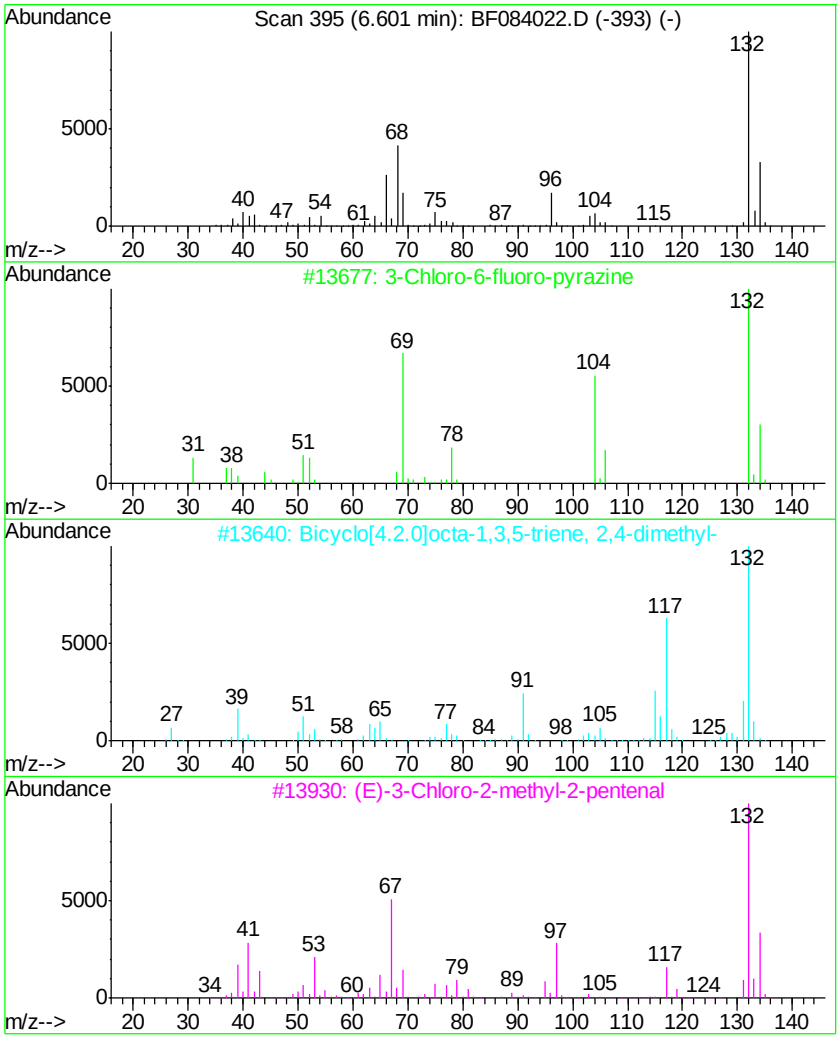
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

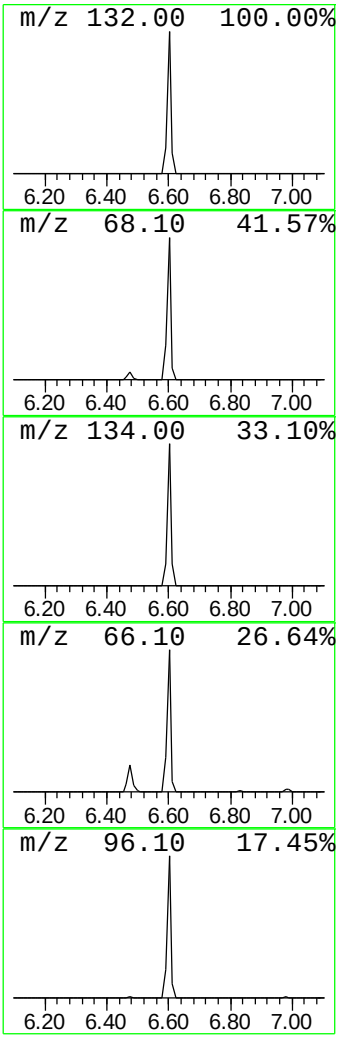
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	99.17 ng	2097110	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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084022.D
Acq On : 23 Dec 2015 7:04
Operator : UM/SJ
Sample : G4920-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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

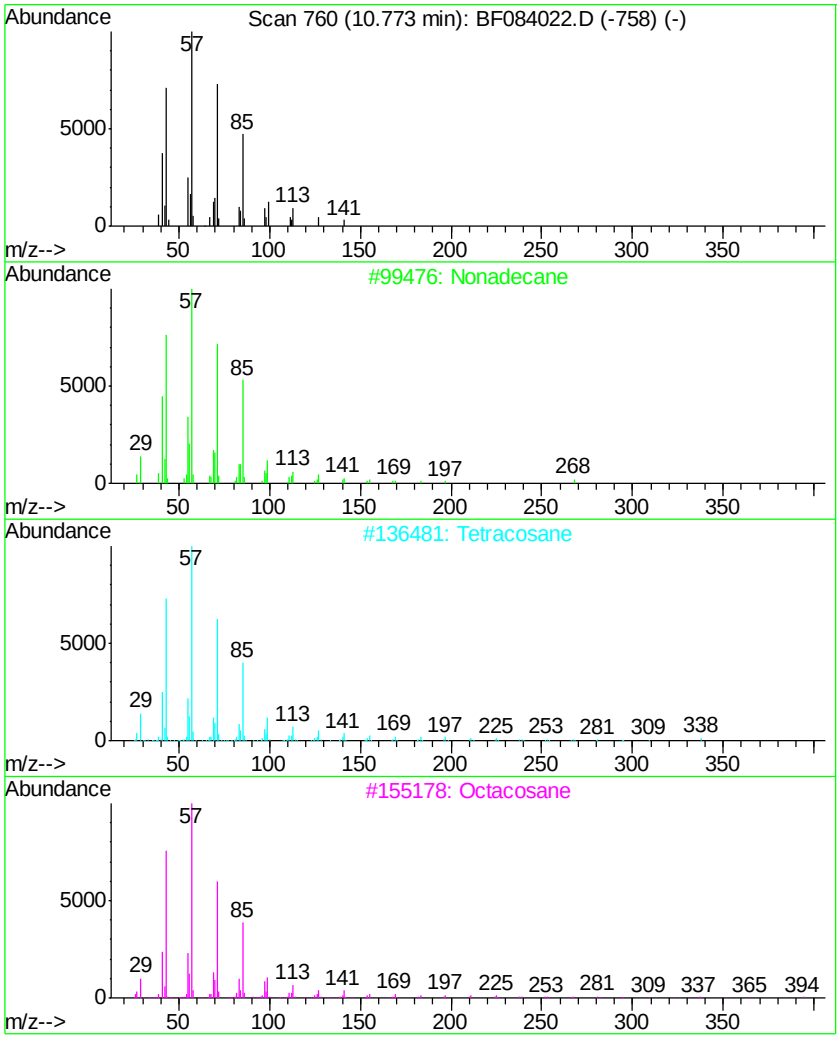
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

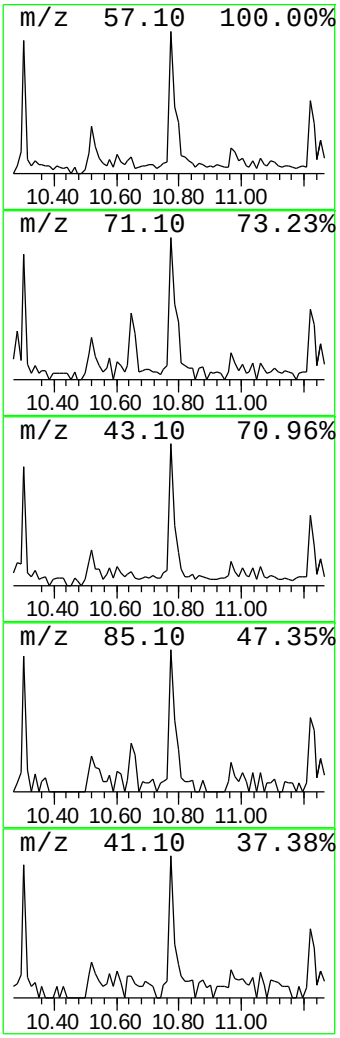
****

Peak Number 4 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	3.00 ng	60278	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Heptacosane	380	C27H56	000593-49-7	90





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Data File : BF084022.D
Acq On : 23 Dec 2015 7:04
Operator : UM/SJ
Sample : G4920-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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

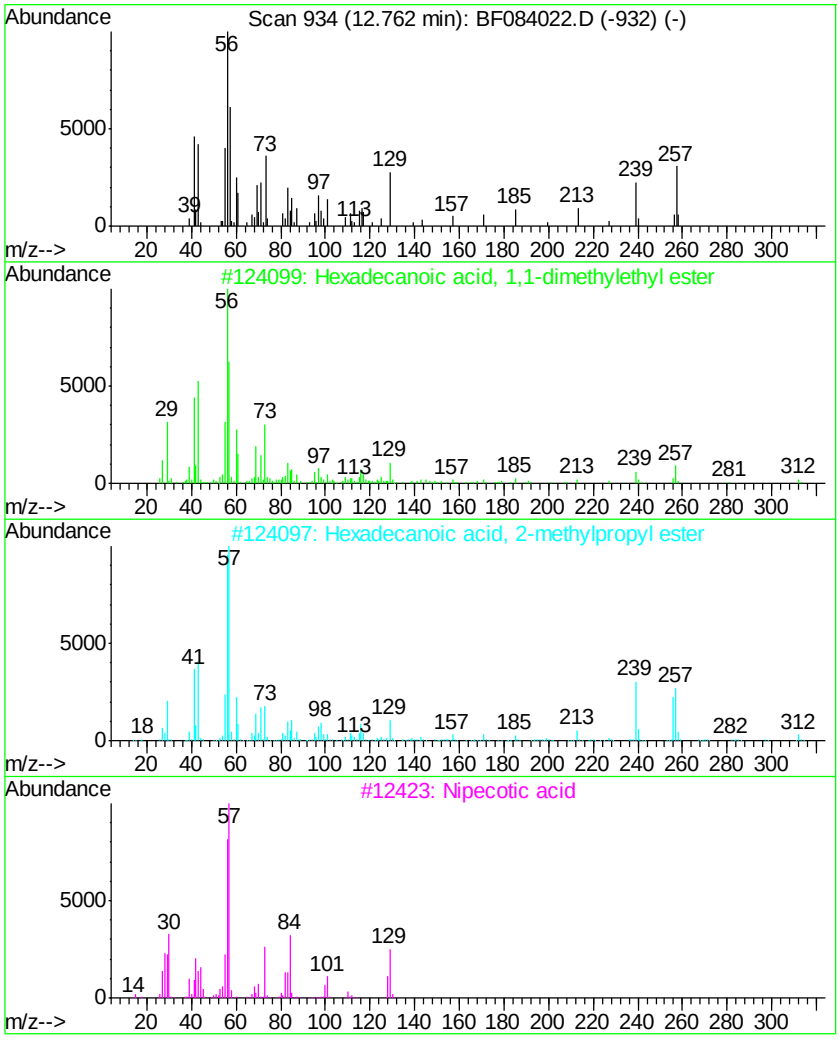
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

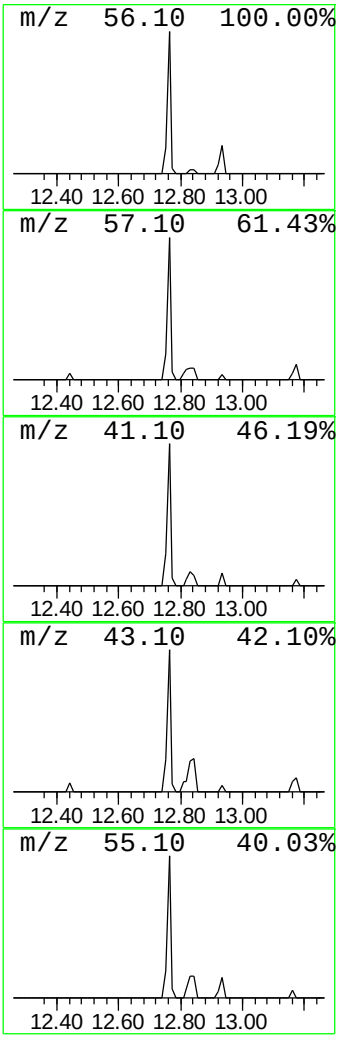
****

Peak Number 5 unknown12.76 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	5.02 ng	103258	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	47
2	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	45
3	Nipecotic acid	129	C6H11NO2	000498-95-3	37
4	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	25
5	Cyclohexanamine	99	C6H13N	000108-91-8	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084022.D
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Operator : UM/SJ
Sample : G4920-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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

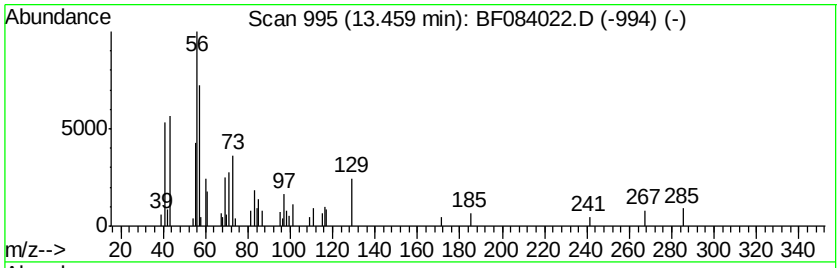
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

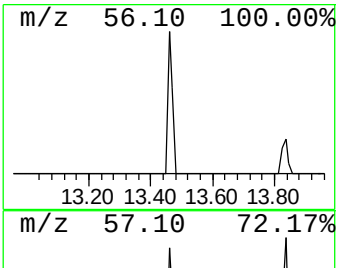
****

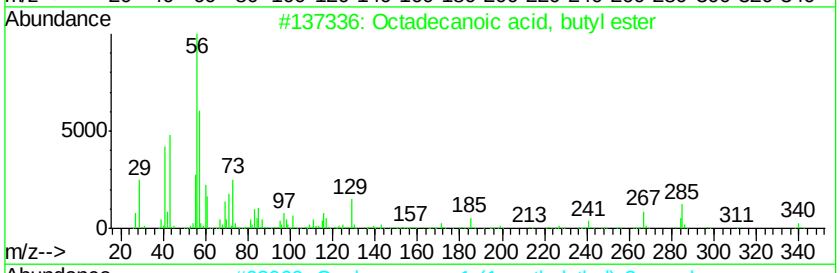
Peak Number 6 Octadecanoic acid, butyl ester Concentration Rank 6

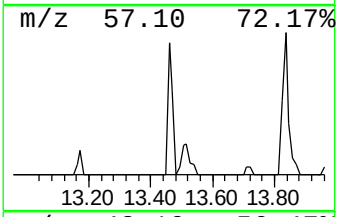
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	3.59 ng	73842	Chrysene-d12	13.98

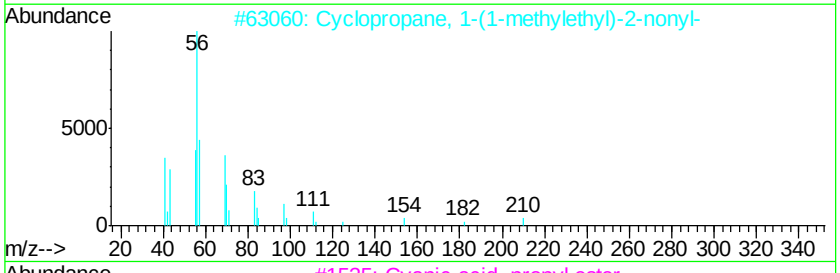
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
2	Cyclopropane, 1-(1-methylethyl)-...	210	C15H30	041977-39-3	38
3	Cyanic acid, propyl ester	85	C4H7NO	001768-36-1	35
4	cis-2,3-Epoxyoctane	128	C8H16O	023024-54-6	35
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	27

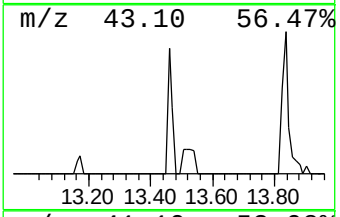


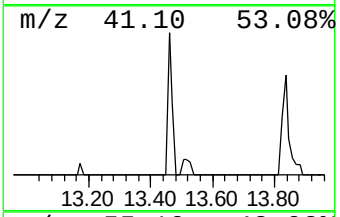


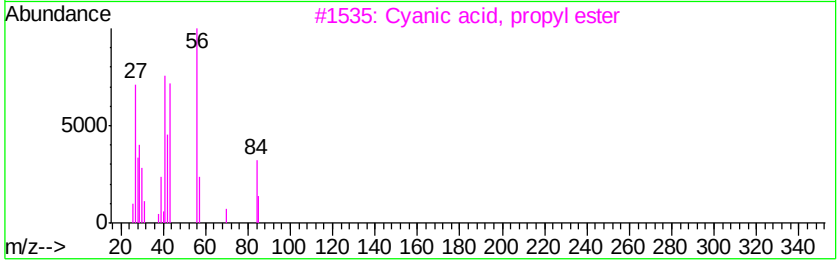


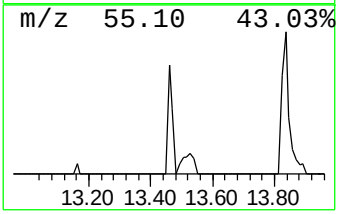












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Misc :
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Instrument : BNA_F
ClientSampleId : IM-CLAY-010

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

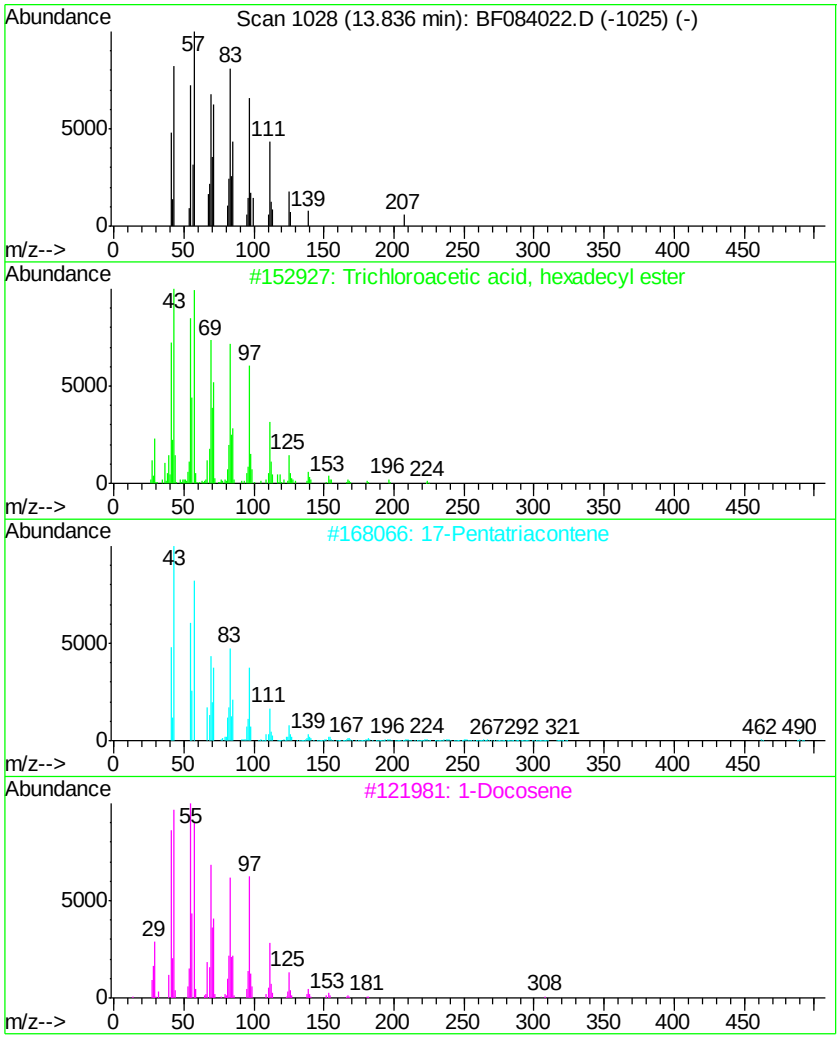
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

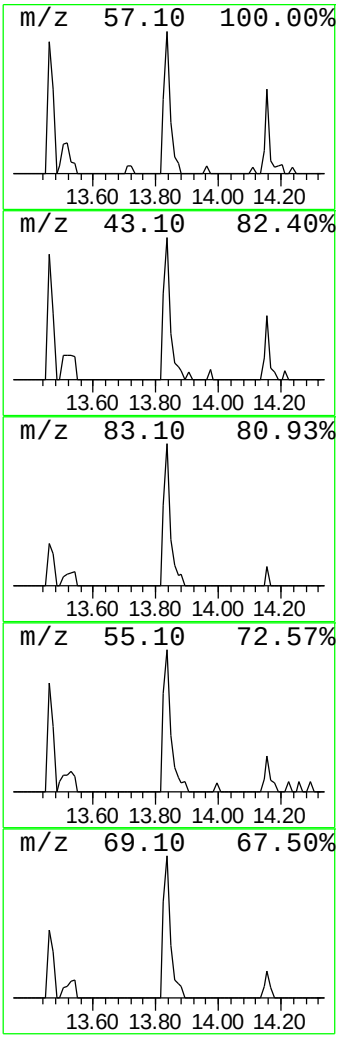
****

Peak Number 7 Trichloroacetic acid, hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	4.45 ng	91670	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
2	17-Pentatriacontene	491	C35H70	006971-40-0	90
3	1-Docosene	308	C22H44	001599-67-3	83
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	83
5	1-Nonadecene	266	C19H38	018435-45-5	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
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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	12.8	ng	271332	1	6.83	422930	20.0
unknown6.60	6.60	99.2	ng	2097110	1	6.83	422930	20.0
Nonadecane	10.77	3.0	ng	60278	4	11.36	401777	20.0
unknown12.76	12.76	5.0	ng	103258	5	13.98	411669	20.0
Octadecanoic acid...	13.46	3.6	ng	73842	5	13.98	411669	20.0
Trichloroacetic a...	13.84	4.5	ng	91670	5	13.98	411669	20.0