LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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	4.133	166	179	182	rBV	887212	5506687	100.00%	31.110%
2	5.001	253	255	262	rBB	79834	100233	1.82%	0.566%
3	5.447	292	294	304	rVB	594959	568585	10.33%	3.212%
4	6.476	382	384	393	rBB	446825	410510	7.45%	2.319%
5	6.602	393	395	397	rBV	1261886	1062928	19.30%	6.005%
6	6.830	413	415	417	rBV	275025	245681	4.46%	1.388%
7	6.990	426	429	431	rBV	832356	1058895	19.23%	5.982%
8	7.390	461	464	467	rBV	745950	750167	13.62%	4.238%
9	7.539	474	477	482	rBV	55897	107997	1.96%	0.610%
10	8.110	525	527	530	rBV	387278	343809	6.24%	1.942%
11	9.196	619	622	624	rBV	1509864	1815448	32.97%	10.257%
12	9.871	678	681	683	rVB	408712	428527	7.78%	2.421%
13	10.156	705	706	709	rVB	86540	104553	1.90%	0.591%
14	10.659	747	750	752	rBV	1139339	1152676	20.93%	6.512%
15	11.356	809	811	813	rBV	333395	422958	7.68%	2.390%
16	12.442	904	906	909	rBB	108943	139234	2.53%	0.787%
17	12.934	947	949	952	rBV	1435591	1882871	34.19%	10.637%
18	13.985	1039	1041	1044	rVV	427027	449722	8.17%	2.541%
19	14.077	1047	1049	1051	rBV	290594	244420	4.44%	1.381%
20	15.414	1164	1166	1172	rBV	283170	396486	7.20%	2.240%
21	15.608	1179	1183	1186	rBV	232547	367677	6.68%	2.077%
22	18.180	1404	1408	1417	rVB	50347	140391	2.55%	0.793%

Sum of corrected areas: 17700455

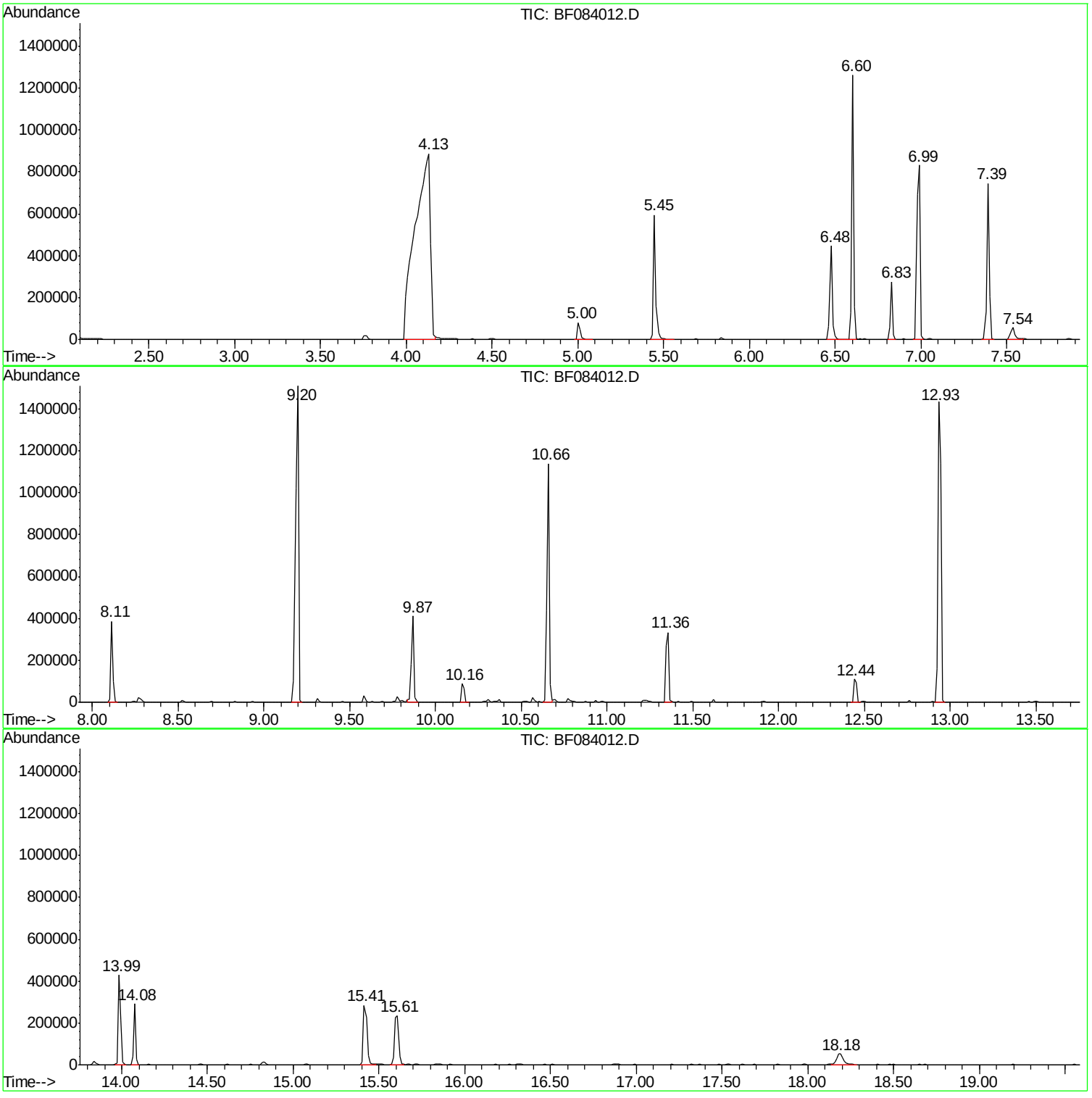
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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 : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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

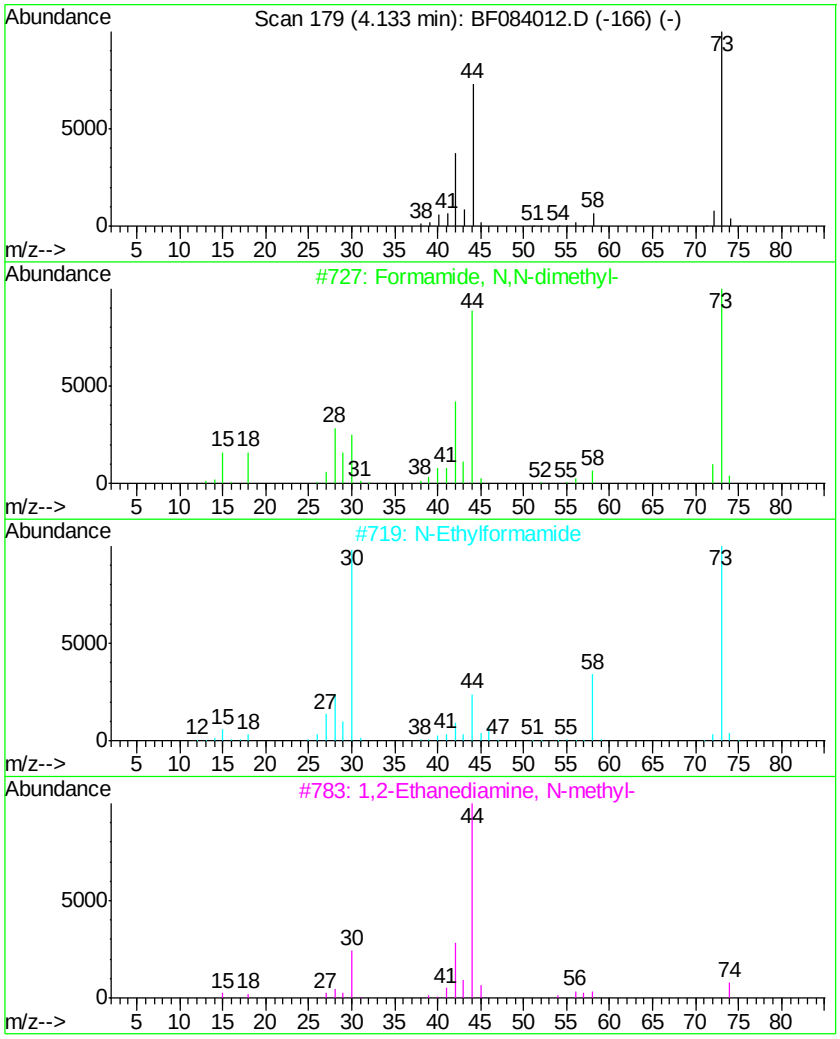
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

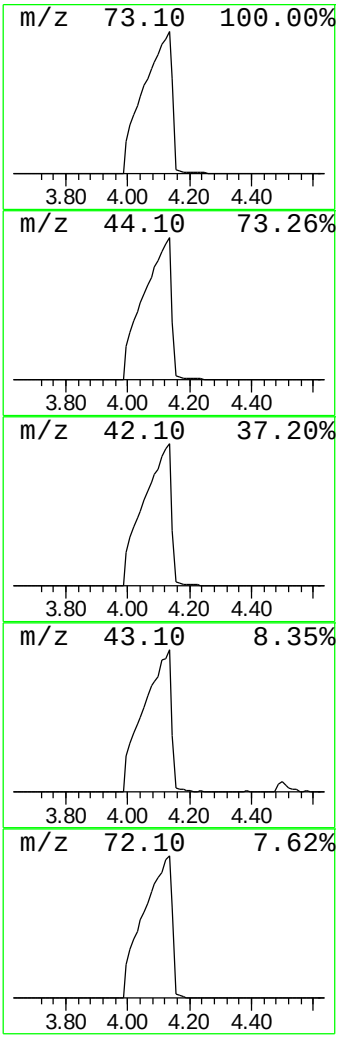
****

Peak Number 1 Formamide, N,N-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	448.28 ng	5506690	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	91
2	N-Ethylformamide	73	C3H7NO	000627-45-2	7
3	1,2-Ethanediamine, N-methyl-	74	C3H10N2	000109-81-9	5
4	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	5
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20151214MGP219BRV110

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

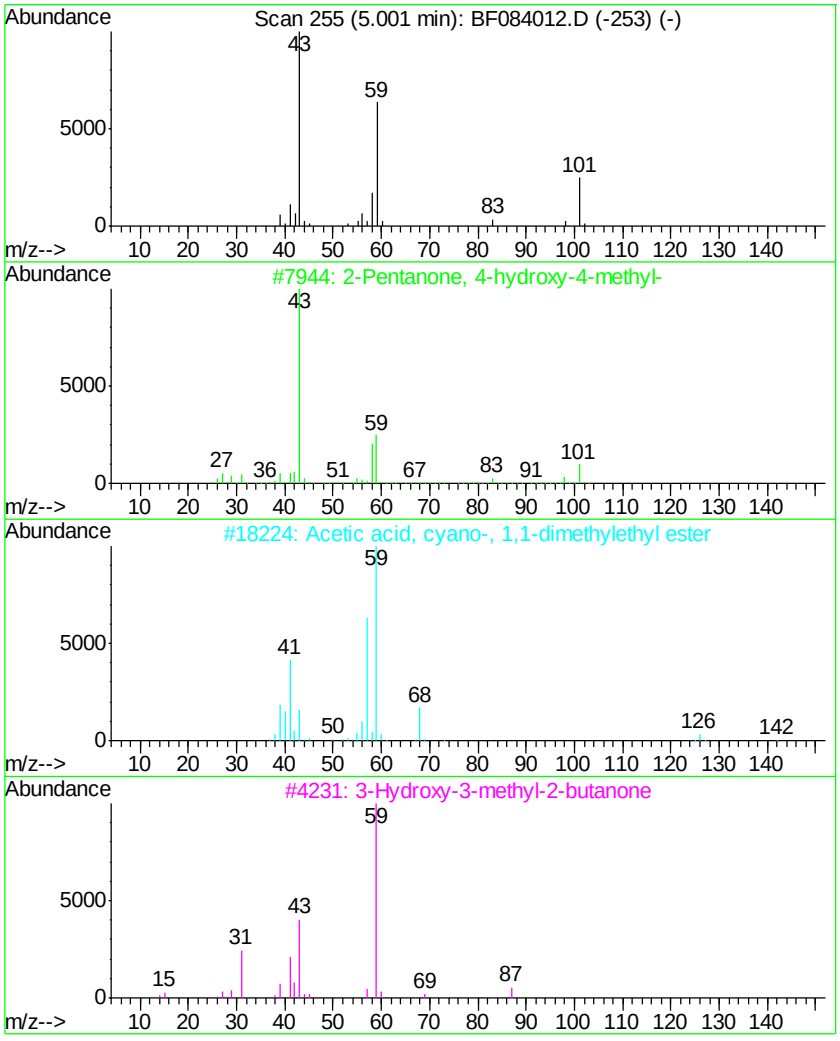
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

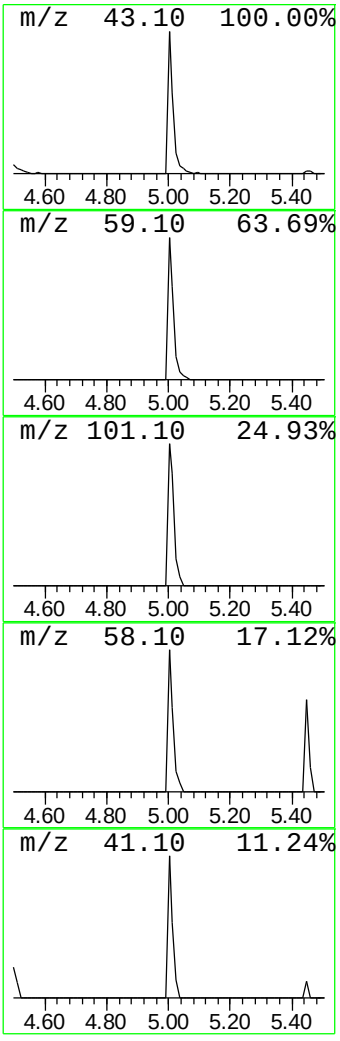
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	8.16 ng	100233	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	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
4	Acetone	58	C3H6O	000067-64-1	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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

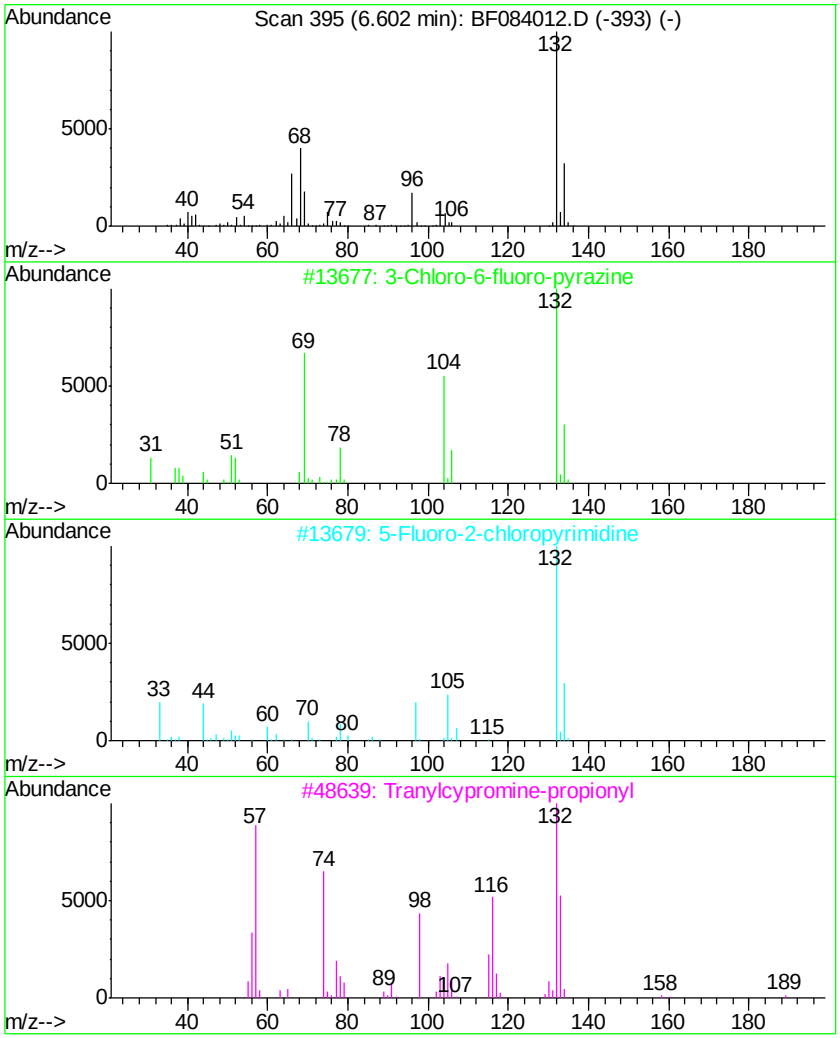
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

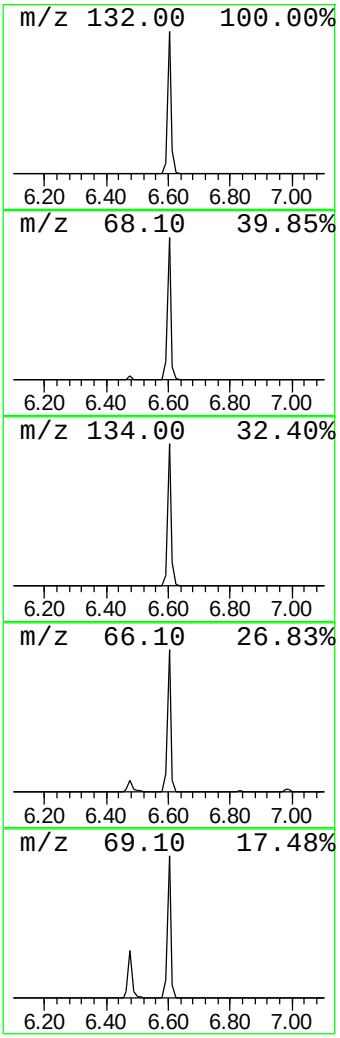
****

Peak Number 3 unknown6.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	86.53 ng	1062930	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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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

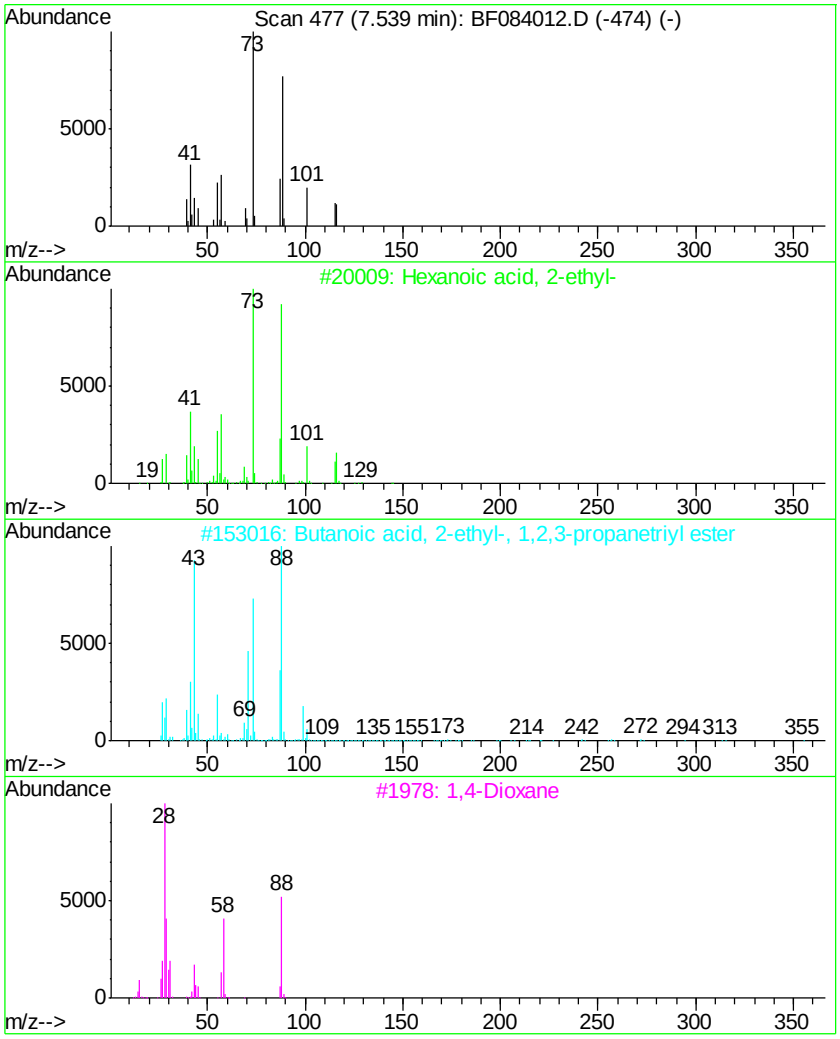
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

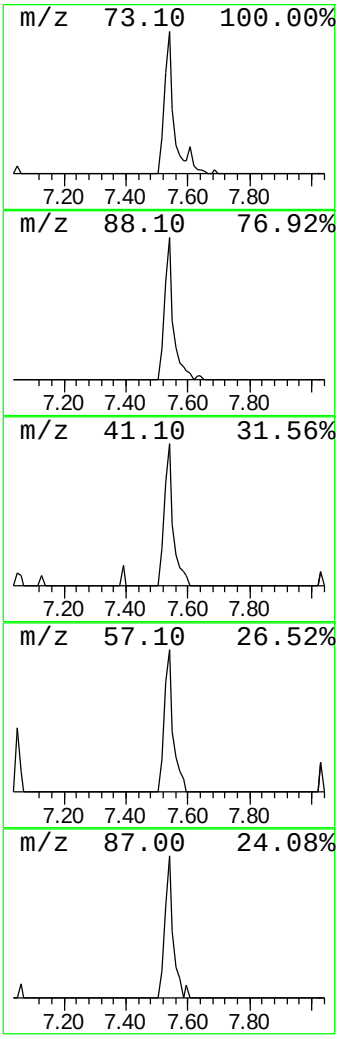
****

Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	6.28 ng	107997	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	59
3	1,4-Dioxane	88	C4H8O2	000123-91-1	38
4	Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	33
5	Hydrazine, 1-butyl-1-ethyl-	116	C6H16N2	052728-56-0	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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

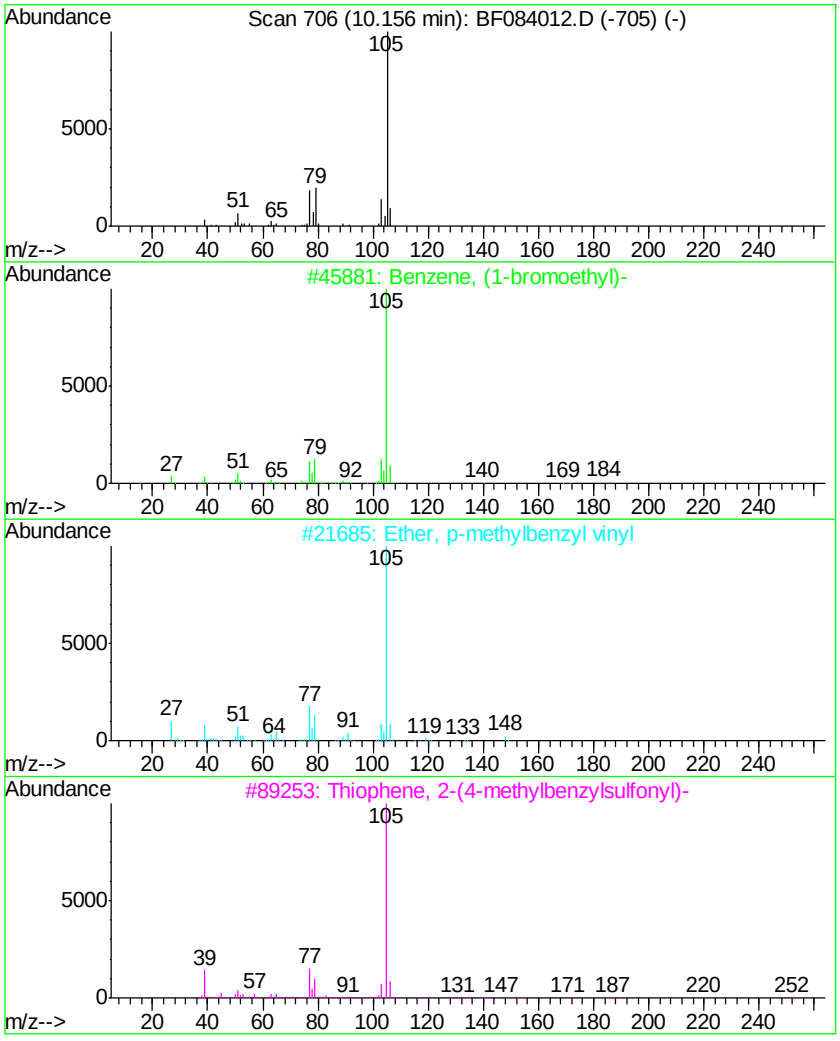
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

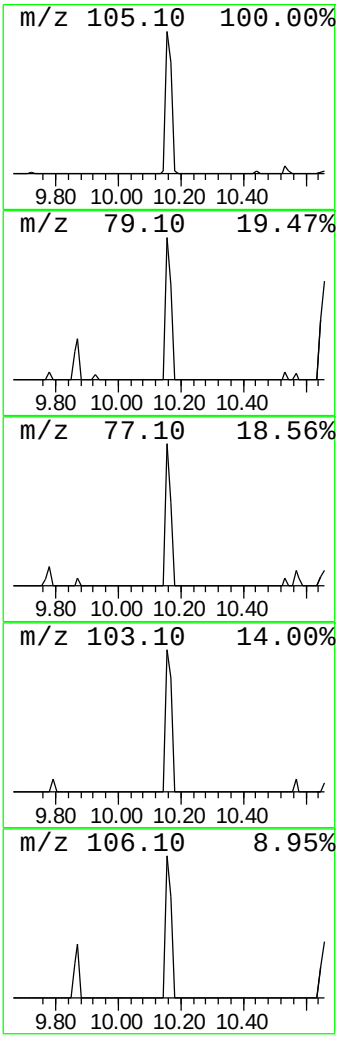
****

Peak Number 6 Benzene, (1-bromoethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	4.88 ng	104553	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	78
2	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	64
3	Thiophene, 2-(4-methylbenzylsulf...	252	C12H12O2S2	153837-88-8	59
4	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	56
5	Benzene, 1,1'-(1,2-dimethyl-1,2-...	210	C16H18	005789-35-5	56





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Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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

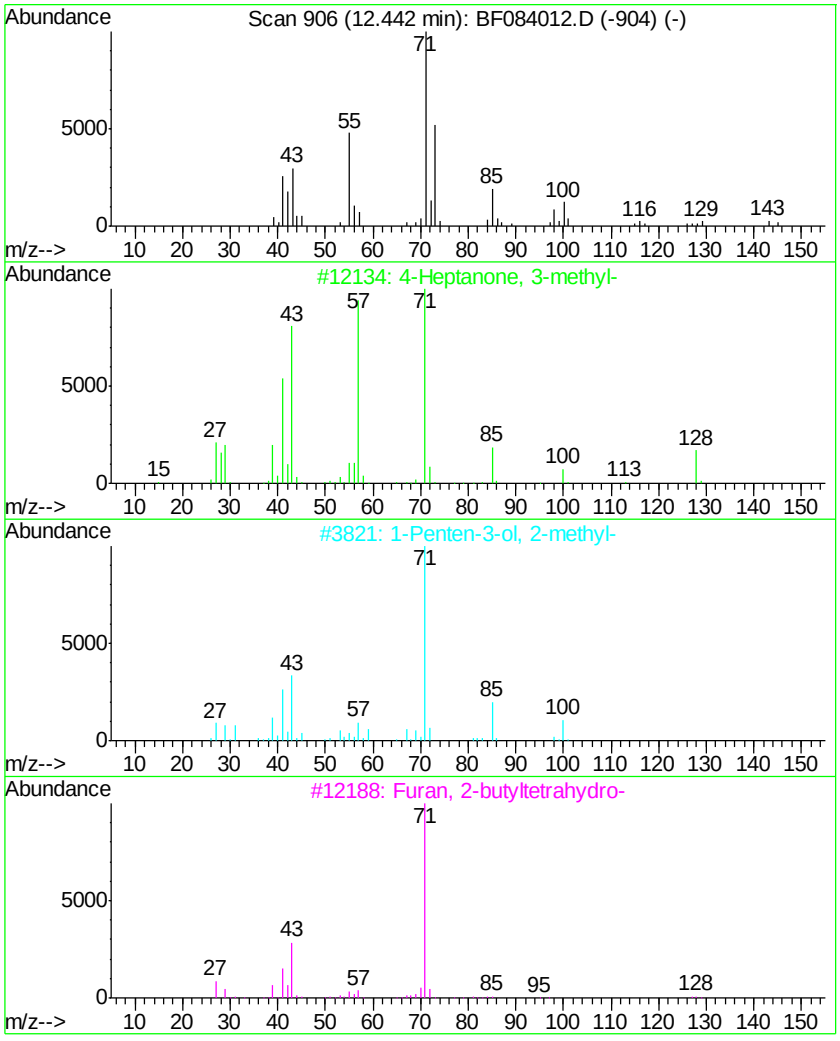
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

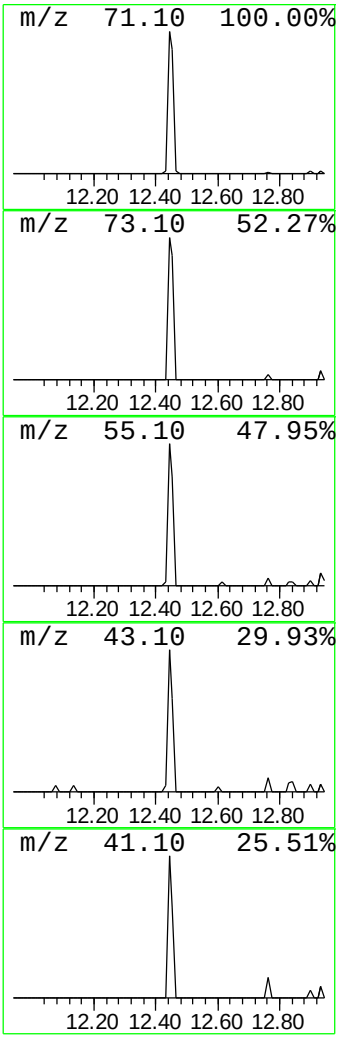
****

Peak Number 7 4-Heptanone, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	6.58 ng	139234	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	64
2	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	59
3	Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	43
4	Methylamine, N-(1-methylhexylide...	127	C8H17N	022058-71-5	43
5	1-Methylcycloheptanol	128	C8H16O	003761-94-2	38





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Operator : UM/SJ
Sample : G4916-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151214MGP219BRV110

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

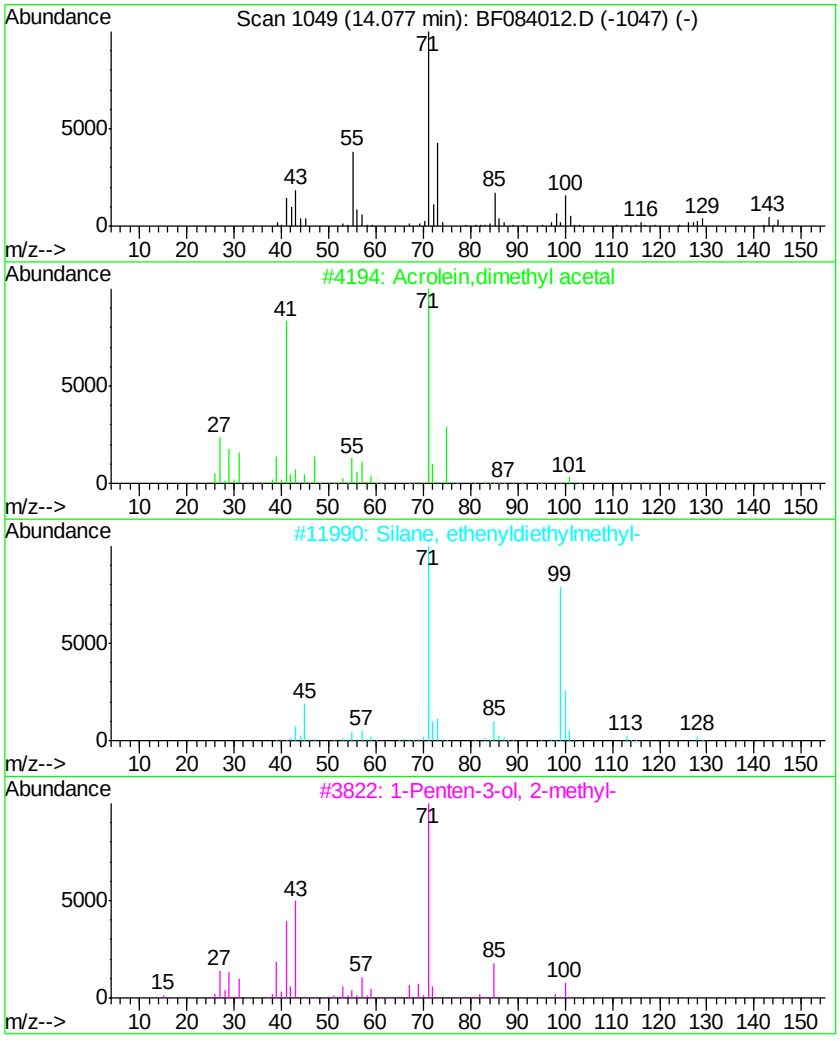
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

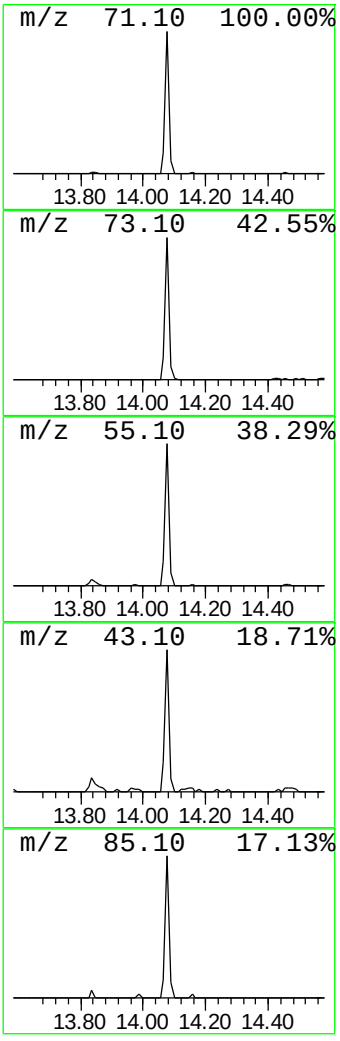
****

Peak Number 8 Acrolein,dimethyl acetal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	10.87 ng	244420	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein,dimethyl acetal	102	C5H10O2	006044-68-4	52
2	Silane, ethenyldiethylmethyl-	128	C7H16Si	018292-29-0	50
3	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	45
4	1-Penten-3-ol, 3-methyl-	100	C6H12O	000918-85-4	38
5	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	38





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TIC Library : C:\DATABASE\NIST02.L
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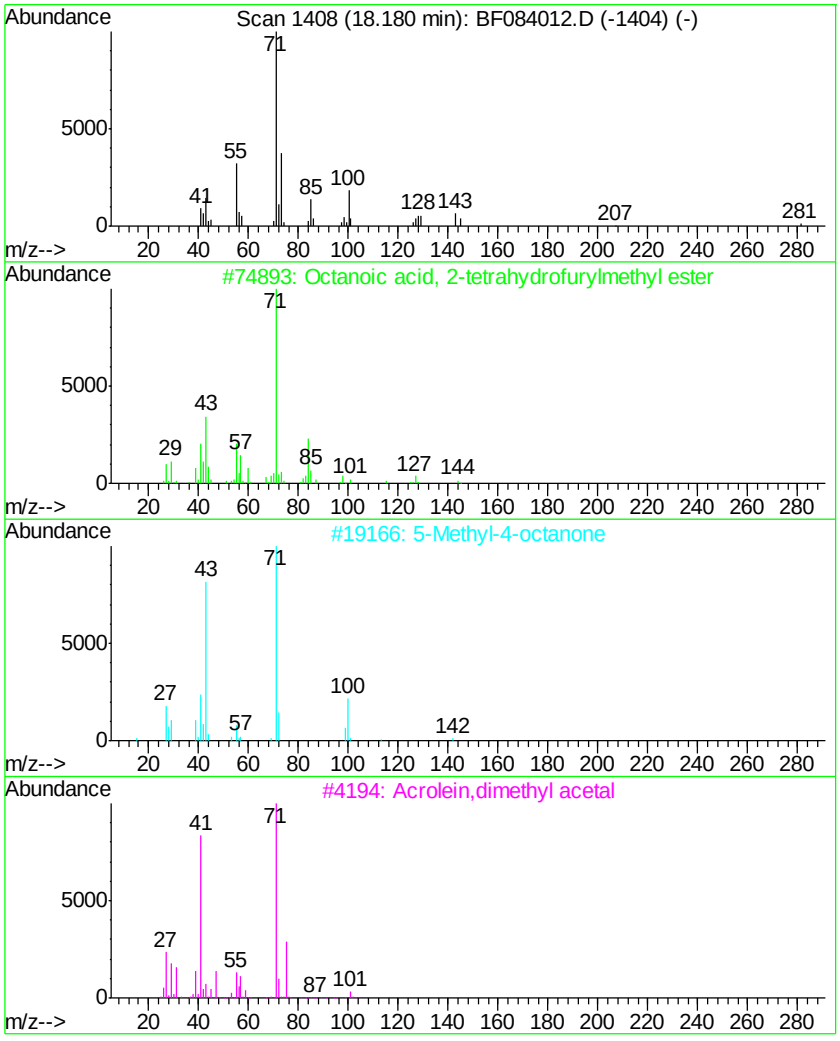
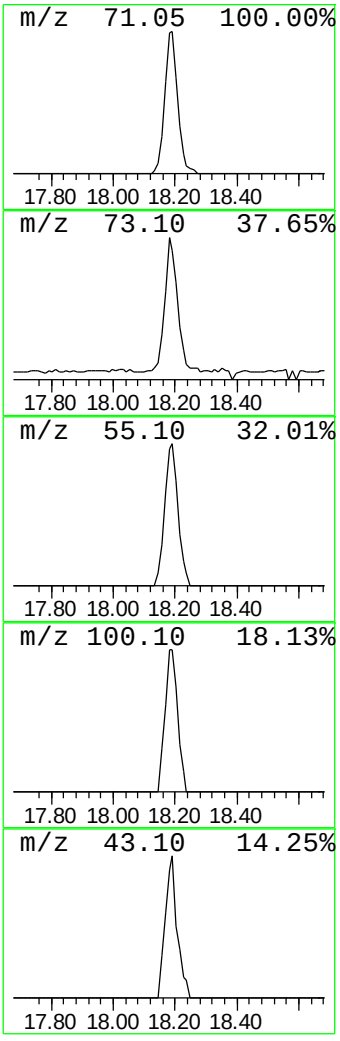
****

Peak Number 10 unknown18.18 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	7.08 ng	140391	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic acid, 2-tetrahydrofurvl...	228	C13H24O3	033601-75-1	33
2	5-Methyl-4-octanone	142	C9H18O	006175-51-5	33
3	Acrolein,dimethyl acetal	102	C5H10O2	006044-68-4	28
4	Octane, 2,6,6-trimethyl-	156	C11H24	054166-32-4	28
5	2,2-Dimethylperhydro-1,3-oxazine	115	C6H13NO	073155-29-0	17





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084012.D
Acq On : 23 Dec 2015 2:25
Operator : UM/SJ
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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
Formamide, N,N-di...	4.13	448.3	ng	5506690	1	6.83	245681	20.0
2-Pentanone, 4-hy...	5.00	8.2	ng	100233	1	6.83	245681	20.0
unknown6.60	6.60	86.5	ng	1062930	1	6.83	245681	20.0
Hexanoic acid, 2-...	7.54	6.3	ng	107997	2	8.11	343809	20.0
Benzene, (1-bromo...	10.16	4.9	ng	104553	3	9.87	428527	20.0
4-Heptanone, 3-me...	12.44	6.6	ng	139234	4	11.36	422958	20.0
Acrolein,dimethyl...	14.08	10.9	ng	244420	5	13.99	449722	20.0
unknown18.18	18.18	7.1	ng	140391	6	15.41	396486	20.0