LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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	2.487	27	35	37	rBV	1296997	4261758	100.00%	23.268%
2	2.944	72	75	79	rBV	88683	159056	3.73%	0.868%
3	4.270	188	191	194	rBV	62105	100686	2.36%	0.550%
4	5.001	253	255	260	rVB	103484	111520	2.62%	0.609%
5	5.436	291	293	302	rVB	499875	642338	15.07%	3.507%
6	6.476	382	384	386	rBV	296656	373254	8.76%	2.038%
7	6.601	393	395	397	rBV	1351529	1178997	27.66%	6.437%
8	6.830	413	415	417	rBV	326066	278816	6.54%	1.522%
9	6.887	419	420	423	rBV	51859	66935	1.57%	0.365%
10	6.990	426	429	431	rBV	987419	1170811	27.47%	6.392%
11	7.116	433	440	448	rBV5	51352	261378	6.13%	1.427%
12	7.390	462	464	469	rVV2	930027	1208823	28.36%	6.600%
13	7.459	469	470	474	rVV2	81544	143298	3.36%	0.782%
14	7.676	486	489	492	rBV2	60308	121529	2.85%	0.664%
15	8.110	525	527	530	rVB	440535	391298	9.18%	2.136%
16	8.647	571	574	576	rBV	66099	68435	1.61%	0.374%
17	9.105	613	614	617	rVV	33314	56816	1.33%	0.310%
18	9.196	619	622	624	rVV	1844944	2144656	50.32%	11.709%
19	9.402	638	640	644	rBV	199821	248599	5.83%	1.357%
20	9.585	654	656	658	rVB	75141	69802	1.64%	0.381%
21	9.870	678	681	683	rVB	479000	499250	11.71%	2.726%
22	10.499	734	736	739	rBV	452464	621979	14.59%	3.396%
23	10.659	747	750	752	rBV	1092947	1172399	27.51%	6.401%
24	10.773	758	760	765	rVB	30549	45171	1.06%	0.247%
25	11.219	795	799	801	rBV2	21288	42998	1.01%	0.235%
26	11.356	809	811	813	rBV	322335	443180	10.40%	2.420%
27	11.573	828	830	832	rBV	309861	263179	6.18%	1.437%
28	12.934	946	949	952	rBV	1688640	1558200	36.56%	8.507%
29	13.985	1039	1041	1044	rVV	296428	307658	7.22%	1.680%
30	15.414	1164	1166	1171	rVB	190501	303058	7.11%	1.655%

Sum of corrected areas: 18315877

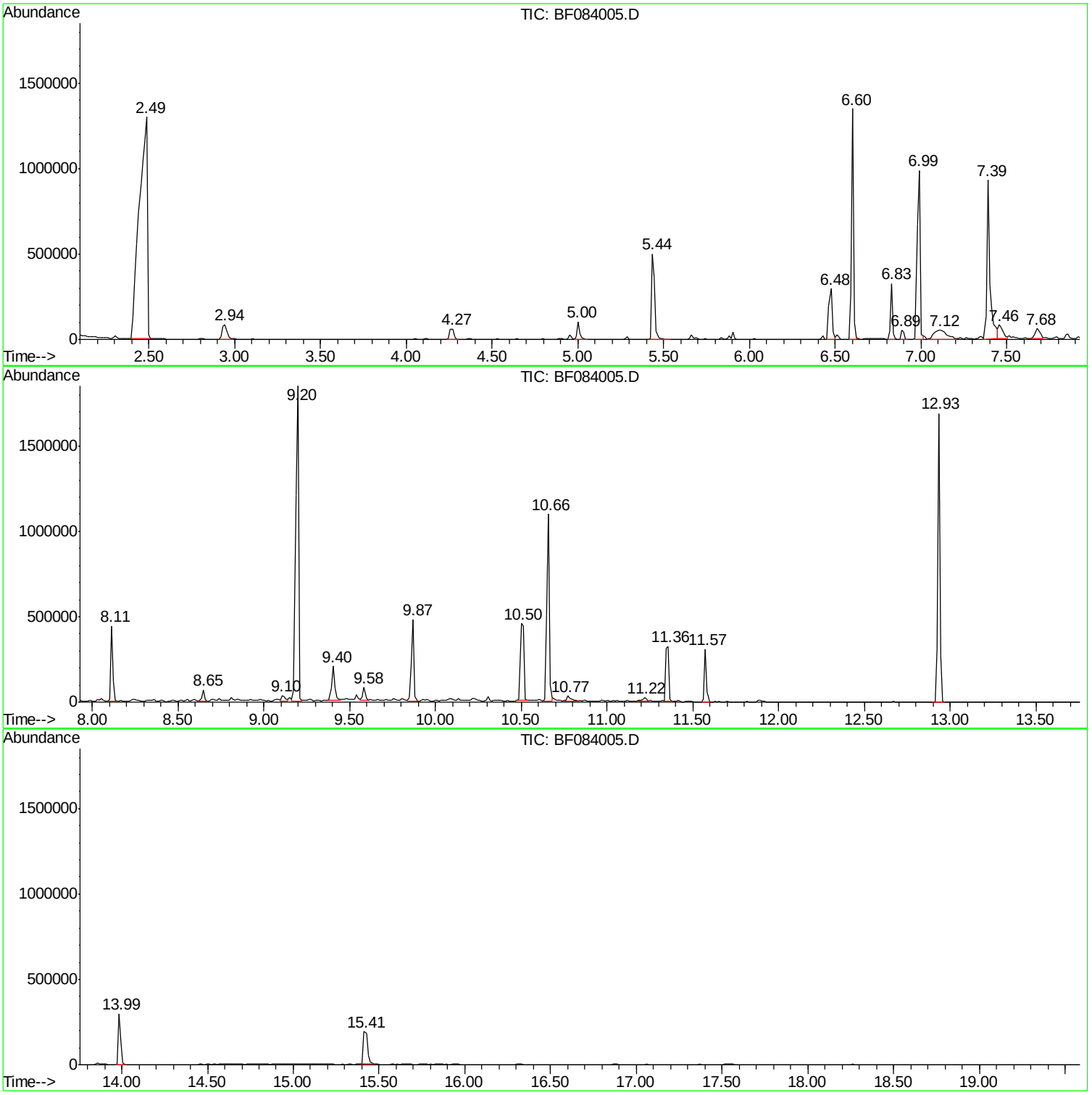
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

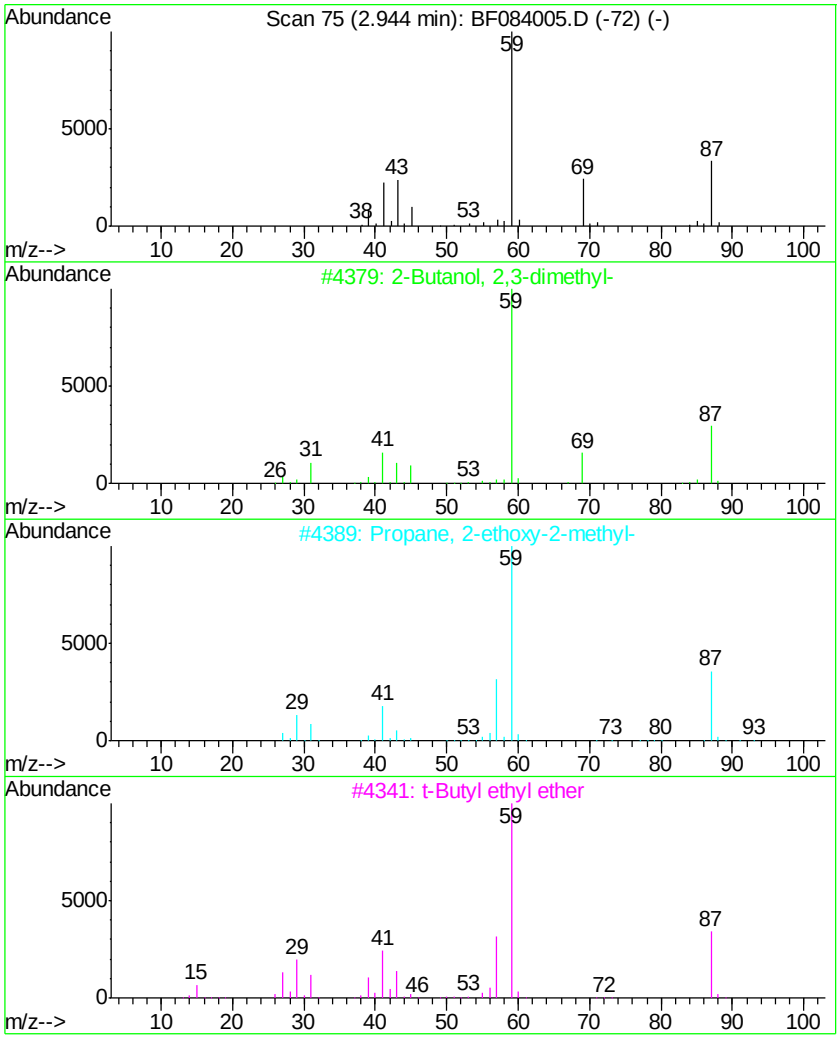
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

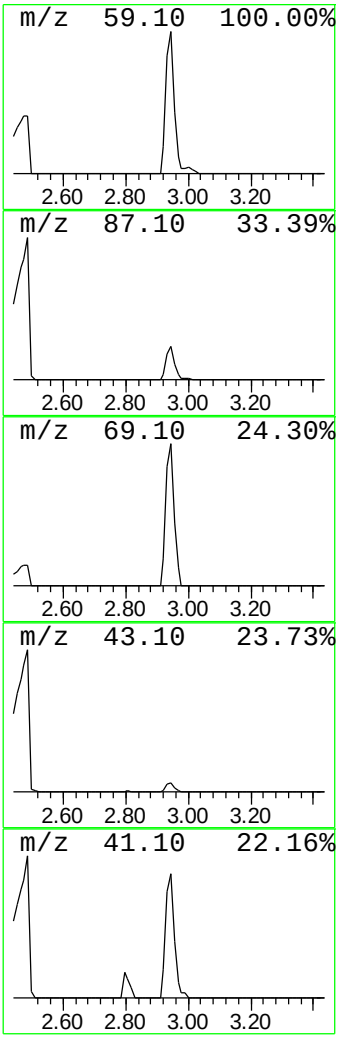
****

Peak Number 1 2-Butanol, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.94	11.41 ng	159056	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
2	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	64
3	t-Butyl ethyl ether	102	C6H14O	1000118-18-4	50
4	N-Formyl-d-threo-O-methylthreonine	161	C6H11NO4	1000214-69-5	36
5	Butane, 2-methoxy-	88	C5H12O	006795-87-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

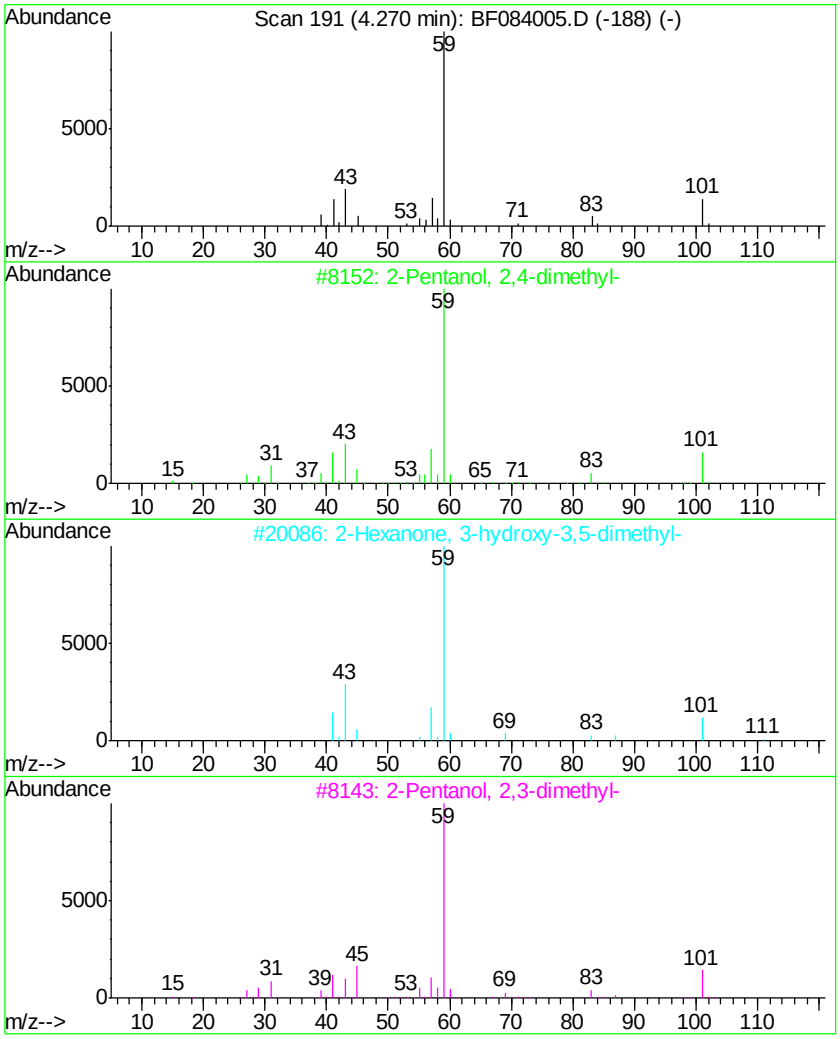
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

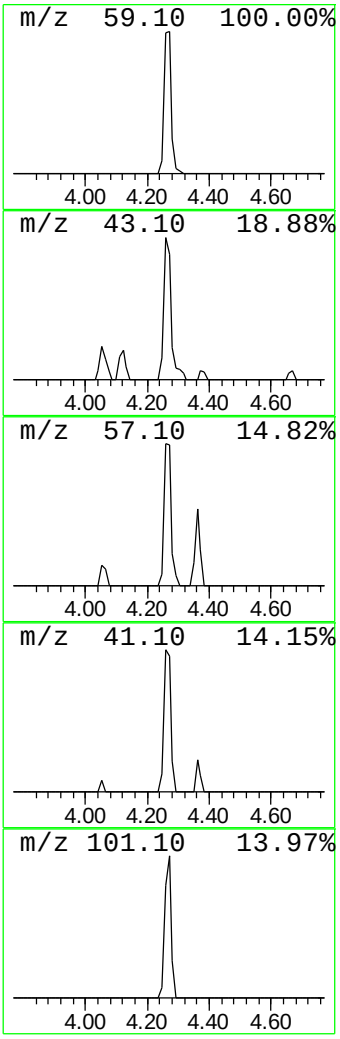
****

Peak Number 2 2-Pentanol, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.27	7.22 ng	100686	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	83
2	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	78
3	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	64
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	56
5	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	56





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

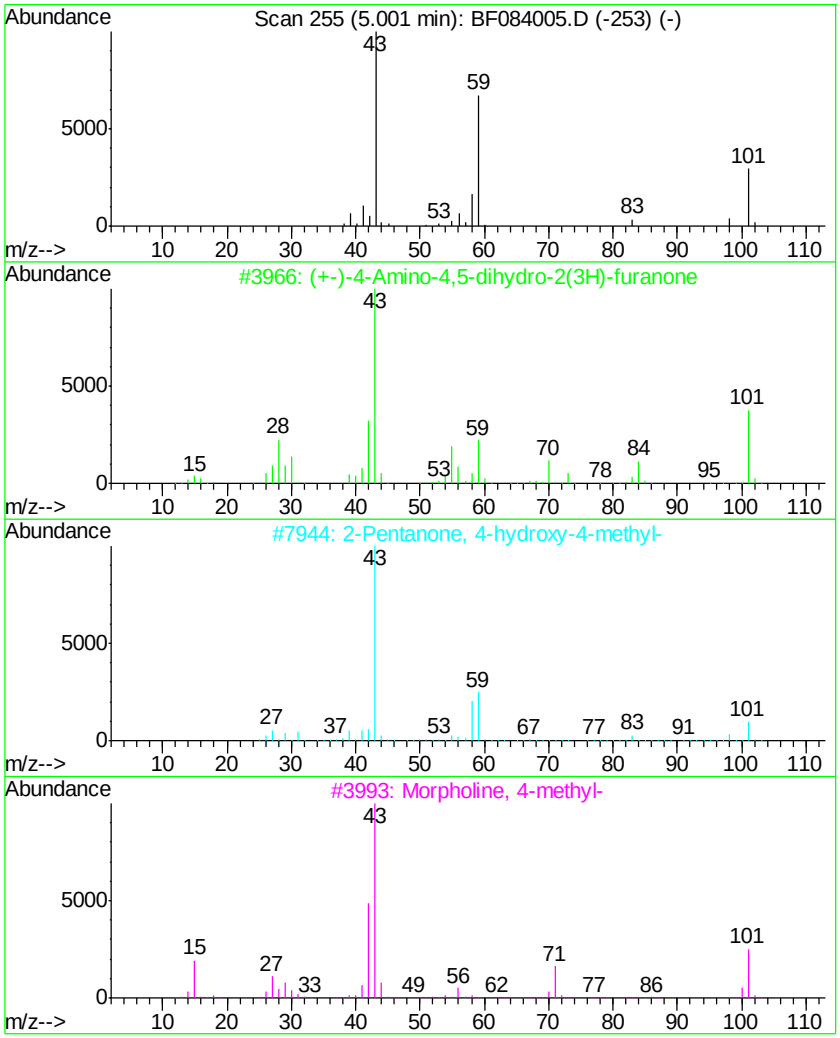
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

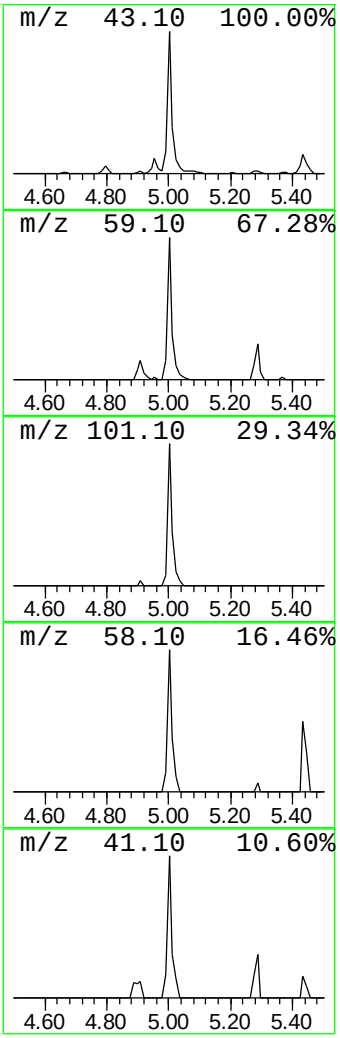
****

Peak Number 3 unknown5.00 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	8.00 ng	111520	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	37
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

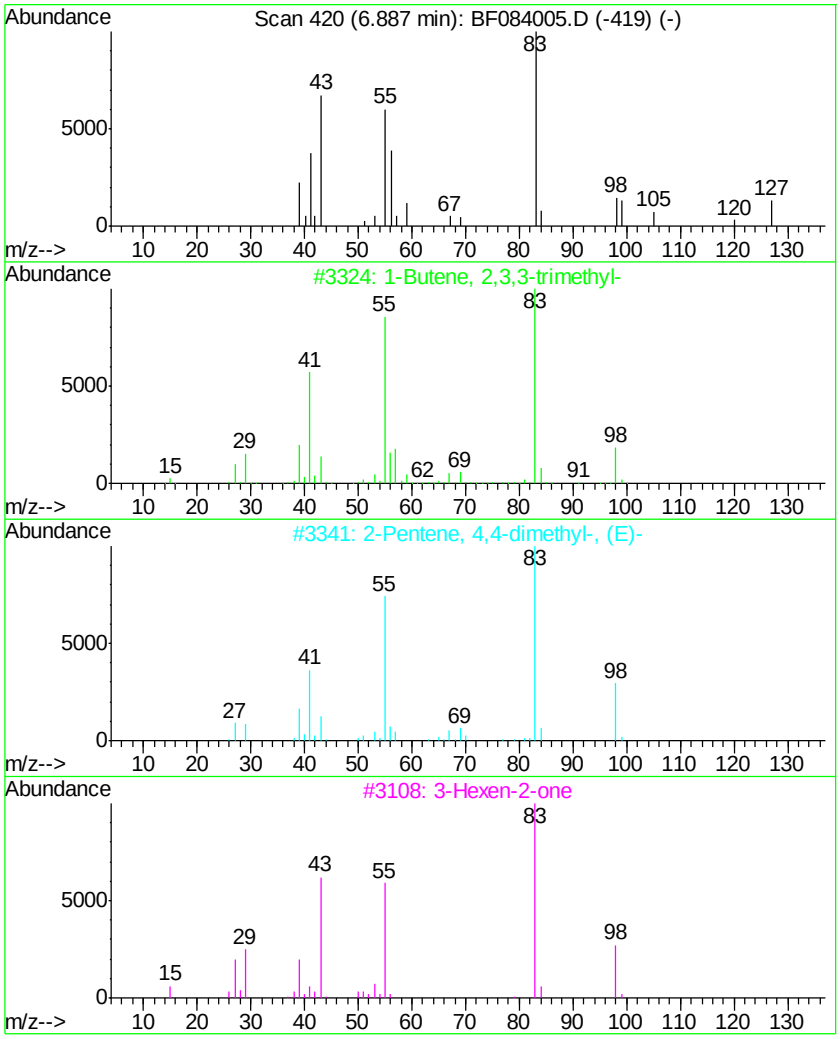
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

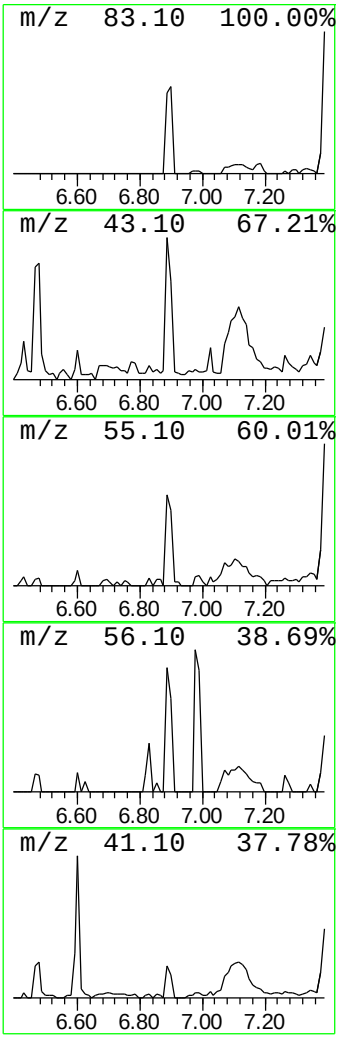
****

Peak Number 5 1-Butene, 2,3,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	4.80 ng	66935	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	50
2	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	49
3	3-Hexen-2-one	98	C6H10O	000763-93-9	46
4	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	42
5	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

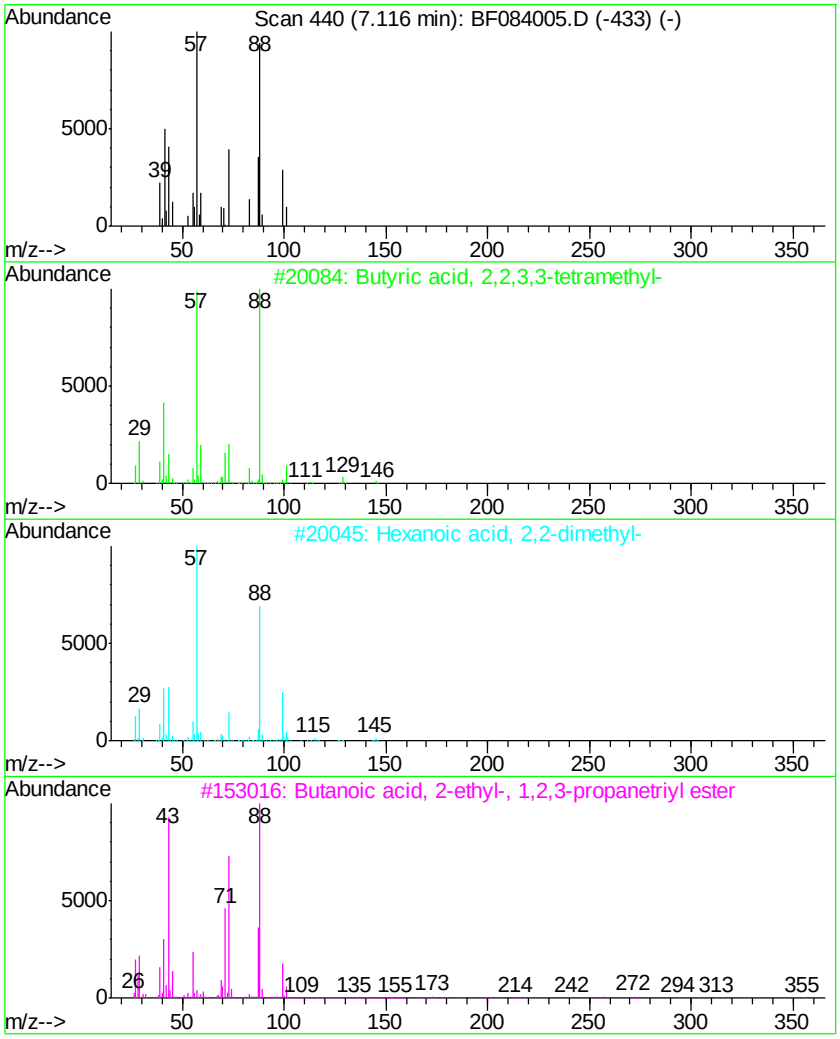
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

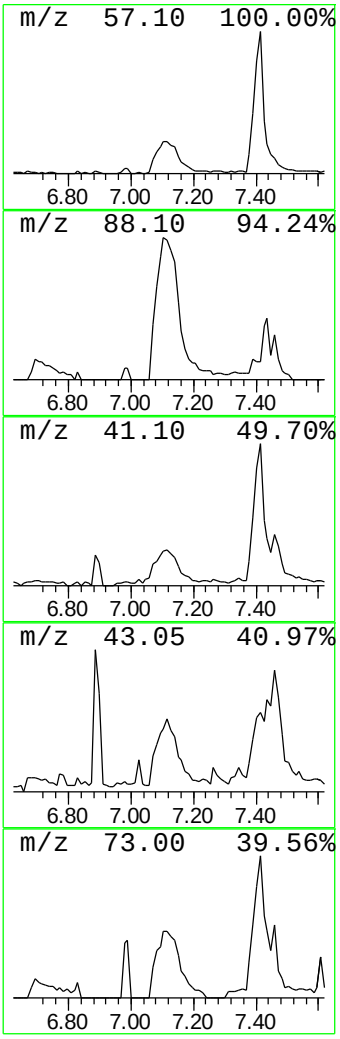
****

Peak Number 7 Butyric acid, 2,2,3,3-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	18.75 ng	261378	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyric acid, 2,2,3,3-tetramethyl-	144	C8H16O2	030407-41-1	59
2	Hexanoic acid, 2,2-dimethyl-	144	C8H16O2	000813-72-9	50
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	42
4	Butanoic acid, 2-hydroxy-3,3-dim...	132	C6H12O3	004026-20-4	35
5	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	053955-81-0	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
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Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

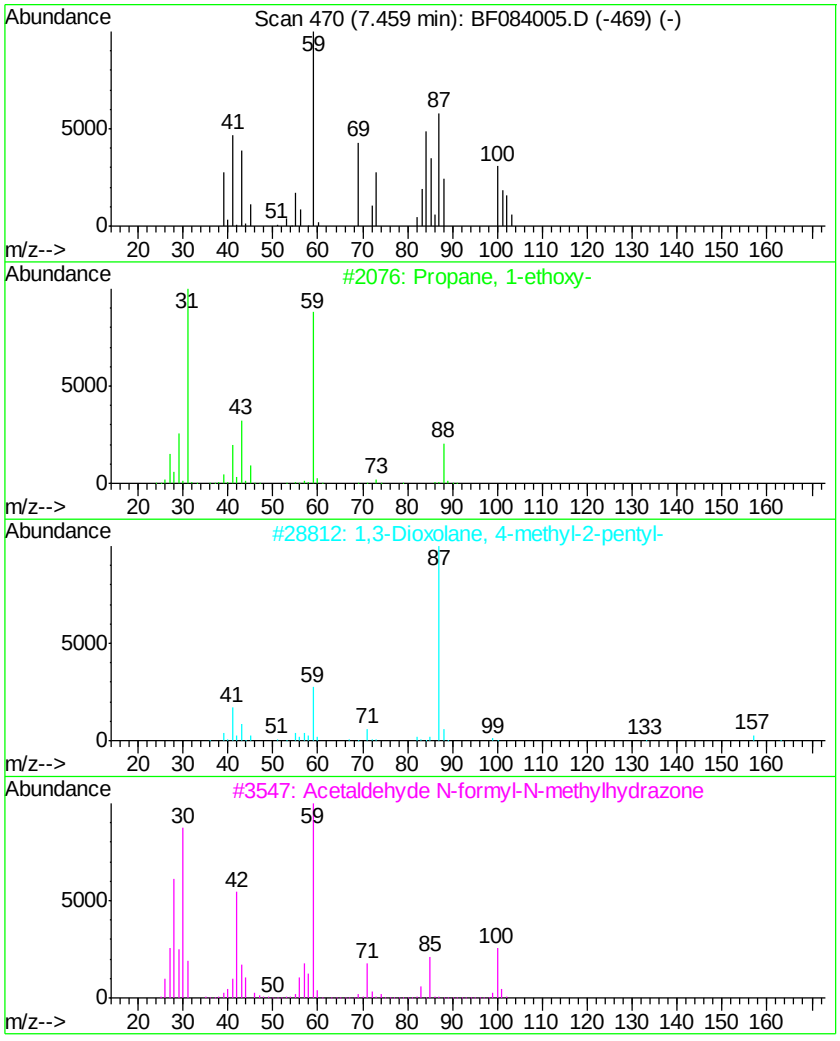
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

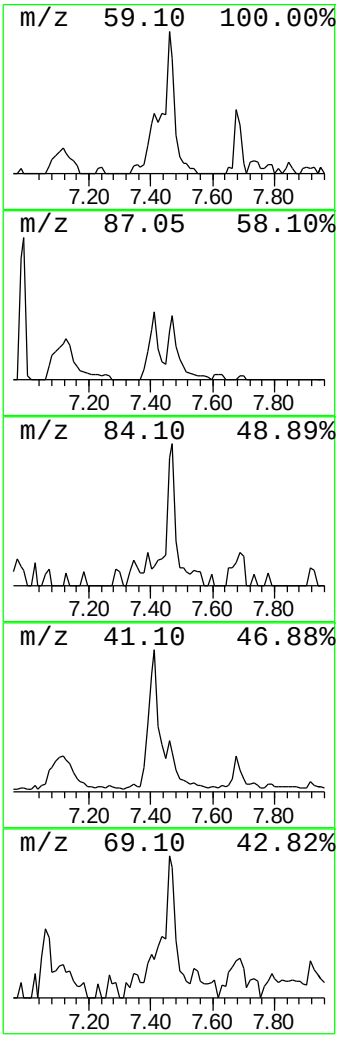
****

Peak Number 8 unknown7.46 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	10.28 ng	143298	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	22
2	1,3-Dioxolane, 4-methyl-2-pentyl-	158	C9H18O2	001599-49-1	17
3	Acetaldehyde N-formyl-N-methylhy...	100	C4H8N2O	016568-02-8	9
4	Hydrazine, 1-methyl-1-propyl-	88	C4H12N2	004986-49-6	9
5	Hydrazine, 1-methyl-1-(2-methylp...	102	C5H14N2	020240-63-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

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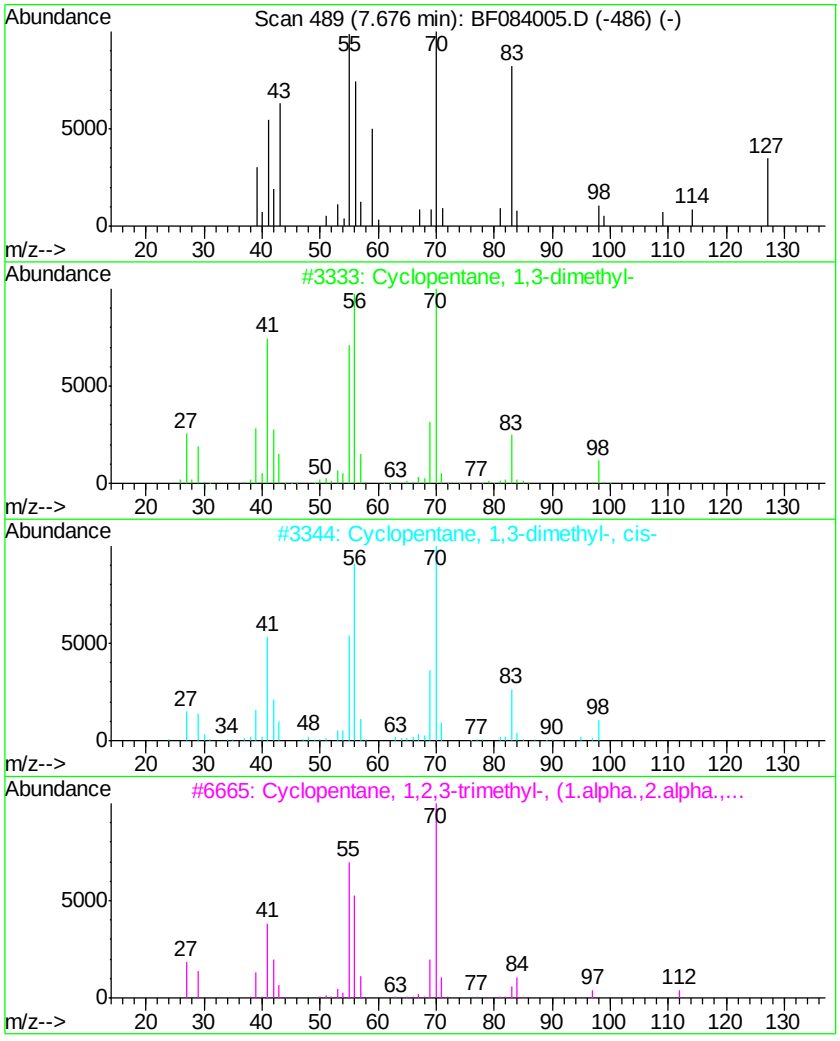
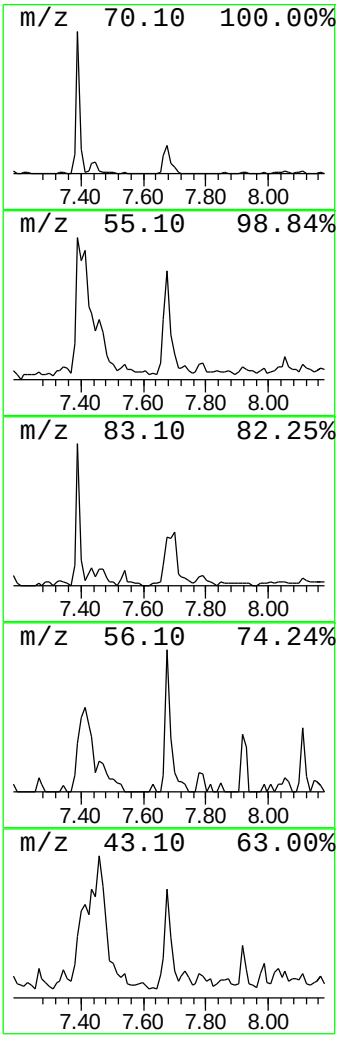
Peak Number 9 unknown7.68 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	6.21 ng	121529	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	46
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	38
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	30
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
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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

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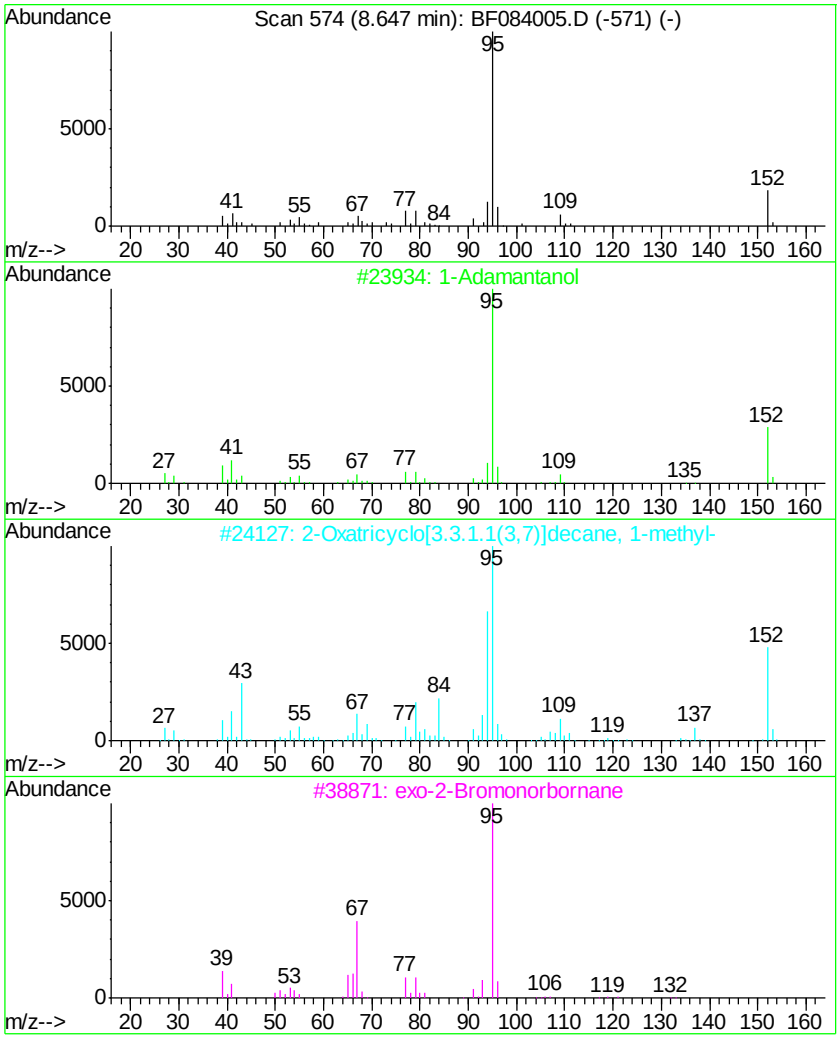
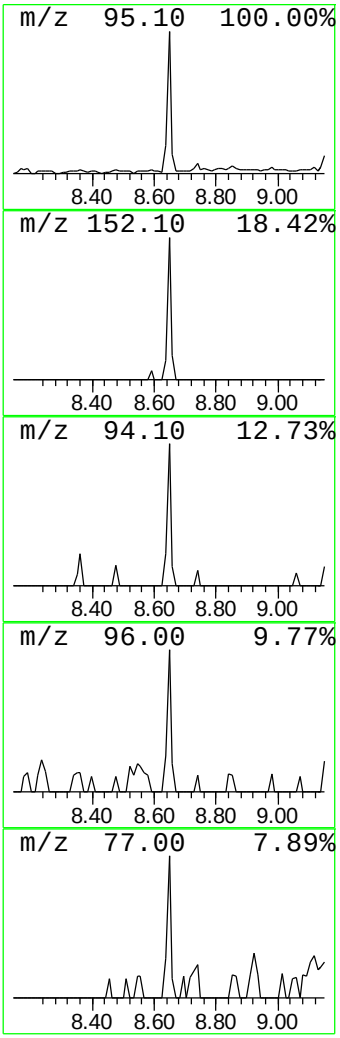
Peak Number 10 1-Adamantanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	3.50 ng	68435	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Adamantanol	152	C10H16O	000768-95-6	91
2	2-Oxatricyclo[3.3.1.1(3,7)]decan...	152	C10H16O	006508-22-1	45
3	exo-2-Bromonorbornane	174	C7H11Br	002534-77-2	42
4	Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	39
5	Cyclohexanemethanol, 4-(1-methyl...	156	C10H20O	013828-37-0	39





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

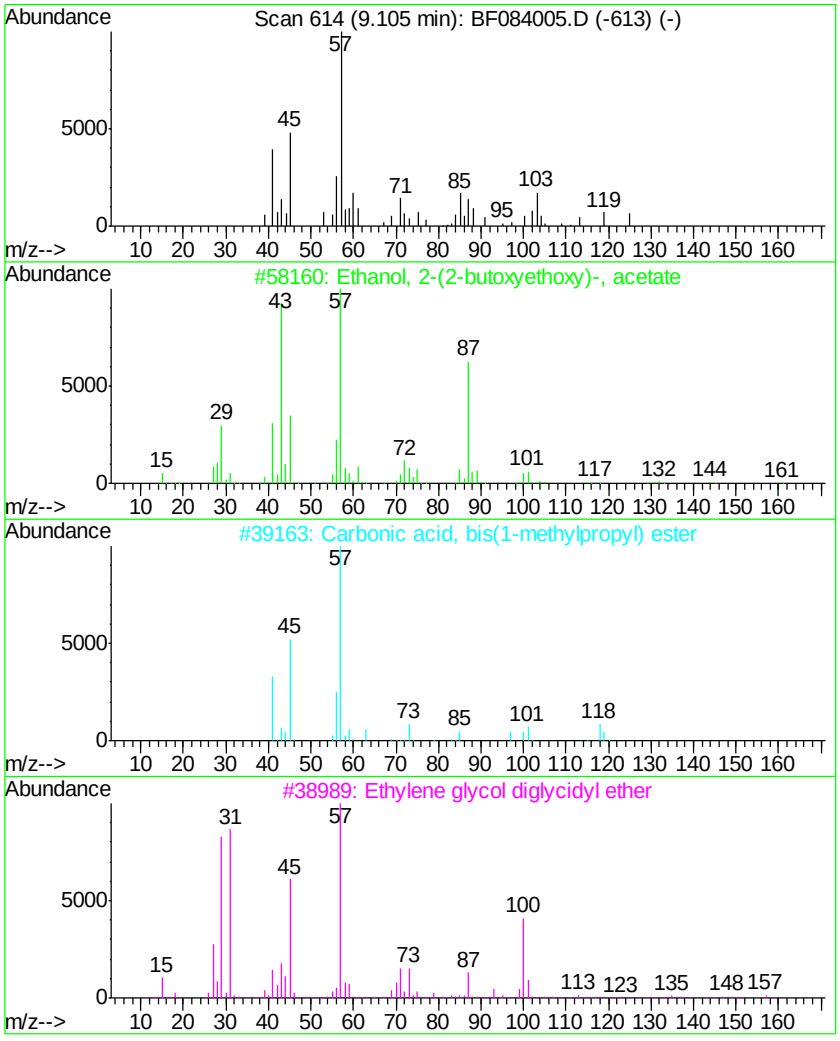
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

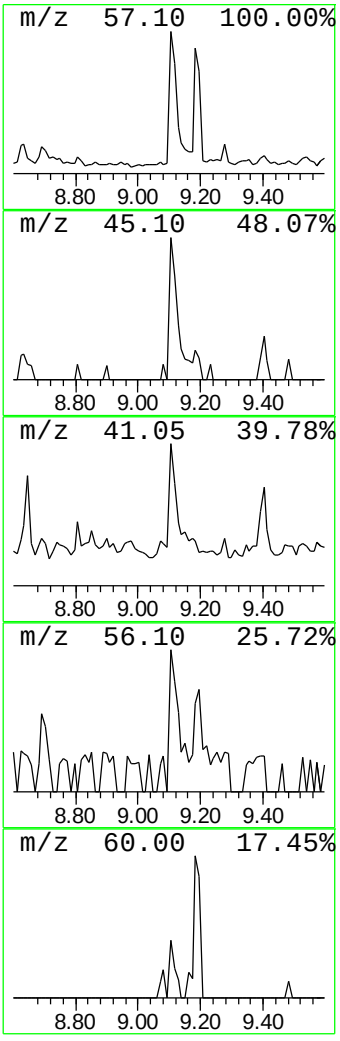
****

Peak Number 11 unknown9.10 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	2.28 ng	56816	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-, ac...	204	C10H20O4	000124-17-4	45
2	Carbonic acid, bis(1-methylpropy...	174	C9H18O3	000623-63-2	38
3	Ethylene glycol diglycidyl ether	174	C8H14O4	002224-15-9	38
4	Butane, 1-(2-methoxyethoxy)-	132	C7H16O2	013343-98-1	37
5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
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Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

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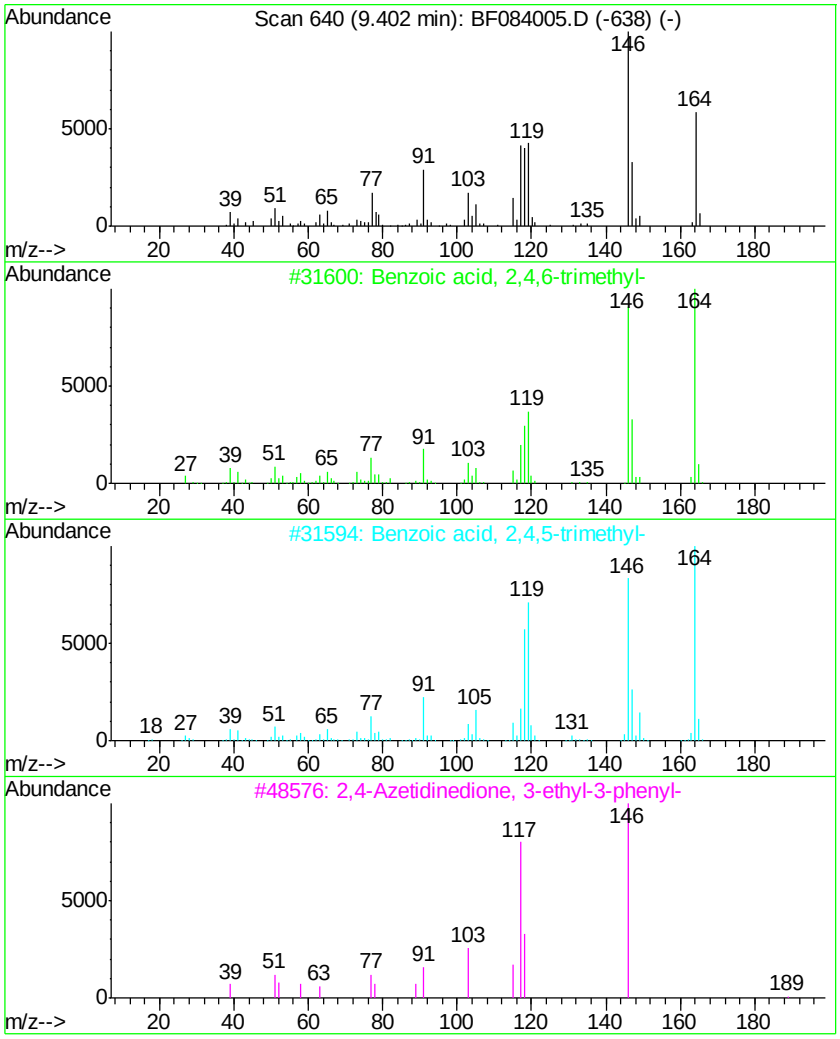
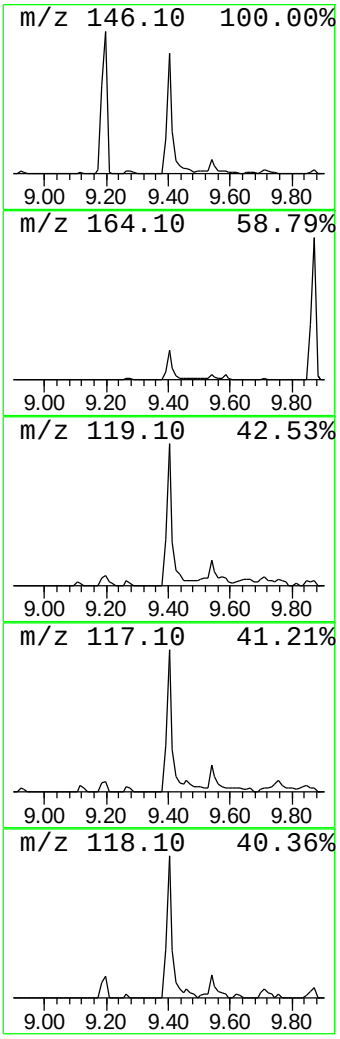
Peak Number 12 Benzoic acid, 2,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	9.96 ng	248599	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4,6-trimethyl-	164	C10H12O2	000480-63-7	93
2	Benzoic acid, 2,4,5-trimethyl-	164	C10H12O2	000528-90-5	52
3	2,4-Azetidinedione, 3-ethyl-3-ph...	189	C11H11NO2	042282-82-6	32
4	Pteridine, 2-methyl-	146	C7H6N4	002432-20-4	27
5	4-Oxazolecarboxylic acid, 4,5-di...	233	C13H15NO3	037592-54-4	27





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Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

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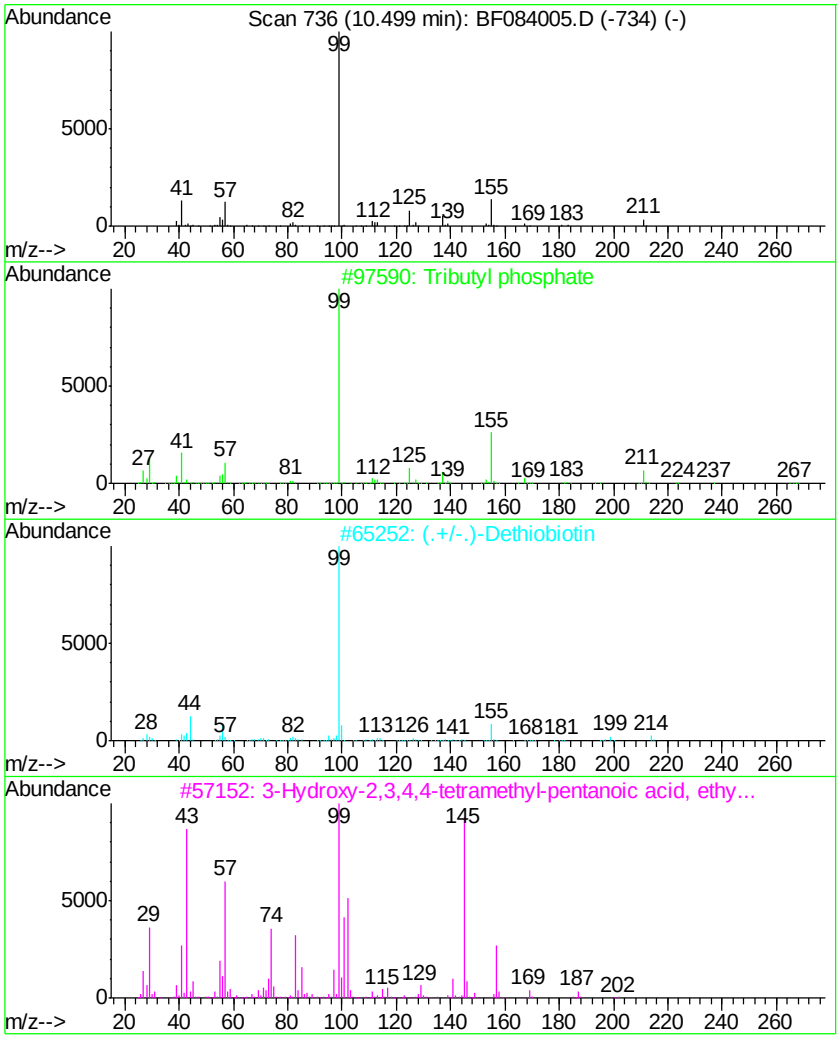
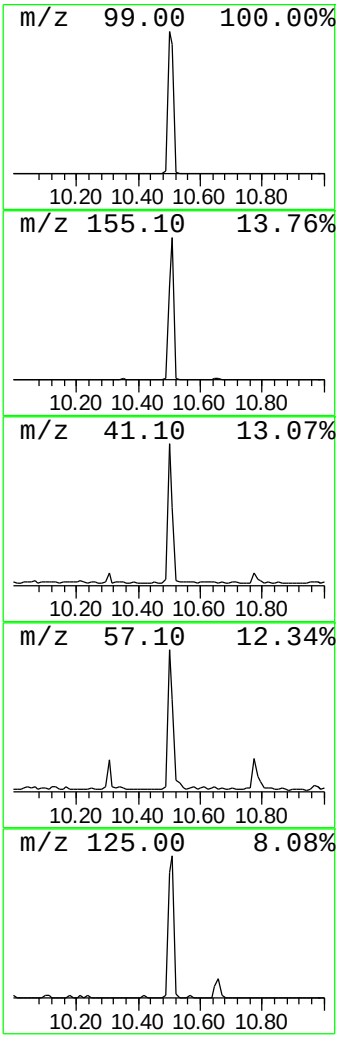
Peak Number 13 Tributyl phosphate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	24.92 ng	621979	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	83
2	(.+/-.)-Dethiobiotin	214	C10H18N2O3	000636-20-4	45
3	3-Hydroxy-2,3,4,4-tetramethyl-pe...	202	C11H22O3	1000194-64-5	33
4	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	33
5	1,4-Dioxaspiro[4.6]undec-7-ene	154	C9H14O2	007140-60-5	9





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Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

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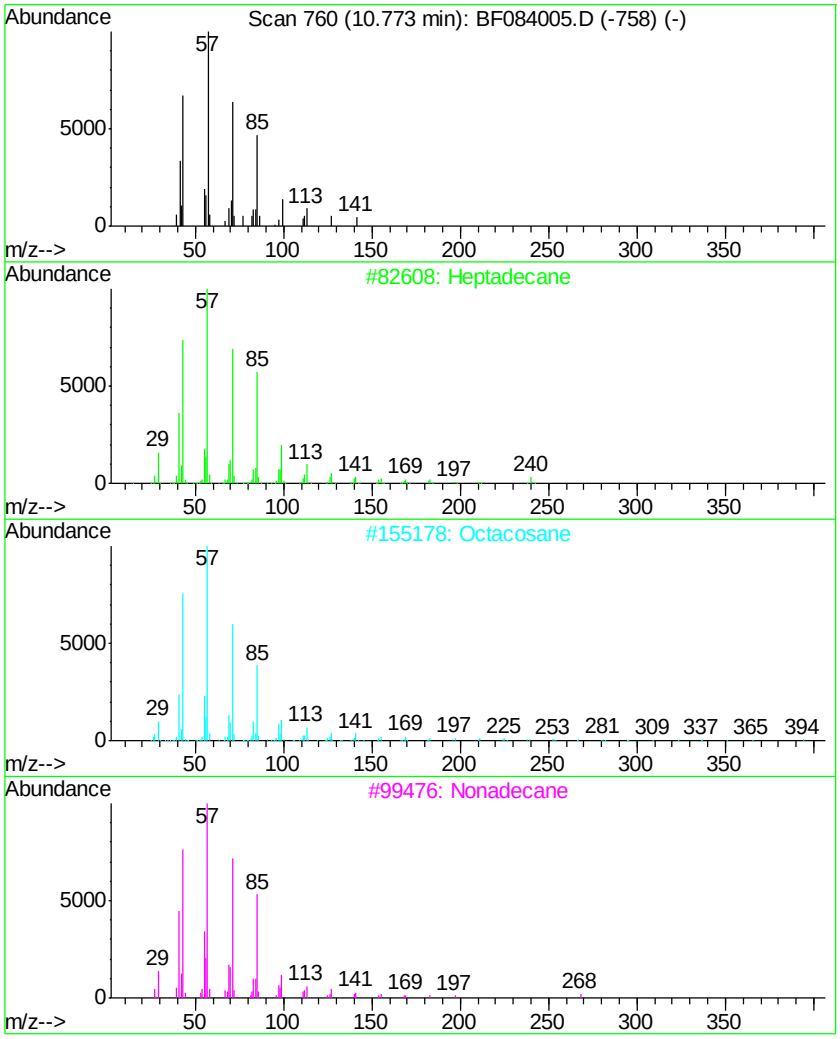
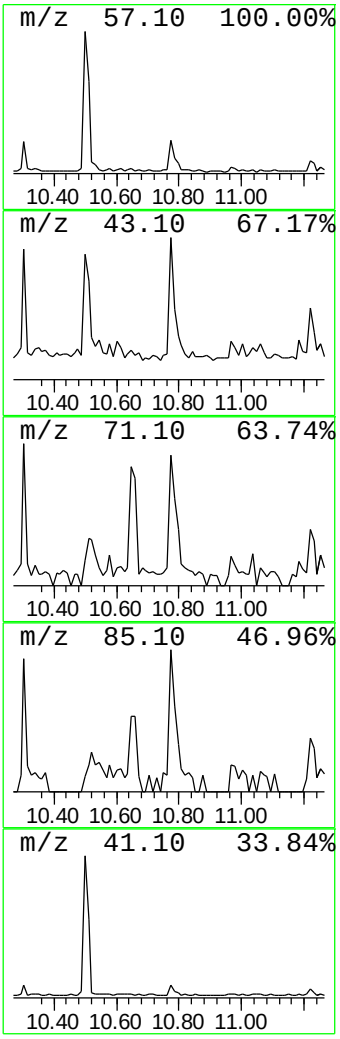
Peak Number 14 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.04 ng	45171	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Octacosane	394	C28H58	000630-02-4	86
3	Nonadecane	268	C19H40	000629-92-5	86
4	Eicosane	282	C20H42	000112-95-8	86
5	Tetradecane	198	C14H30	000629-59-4	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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

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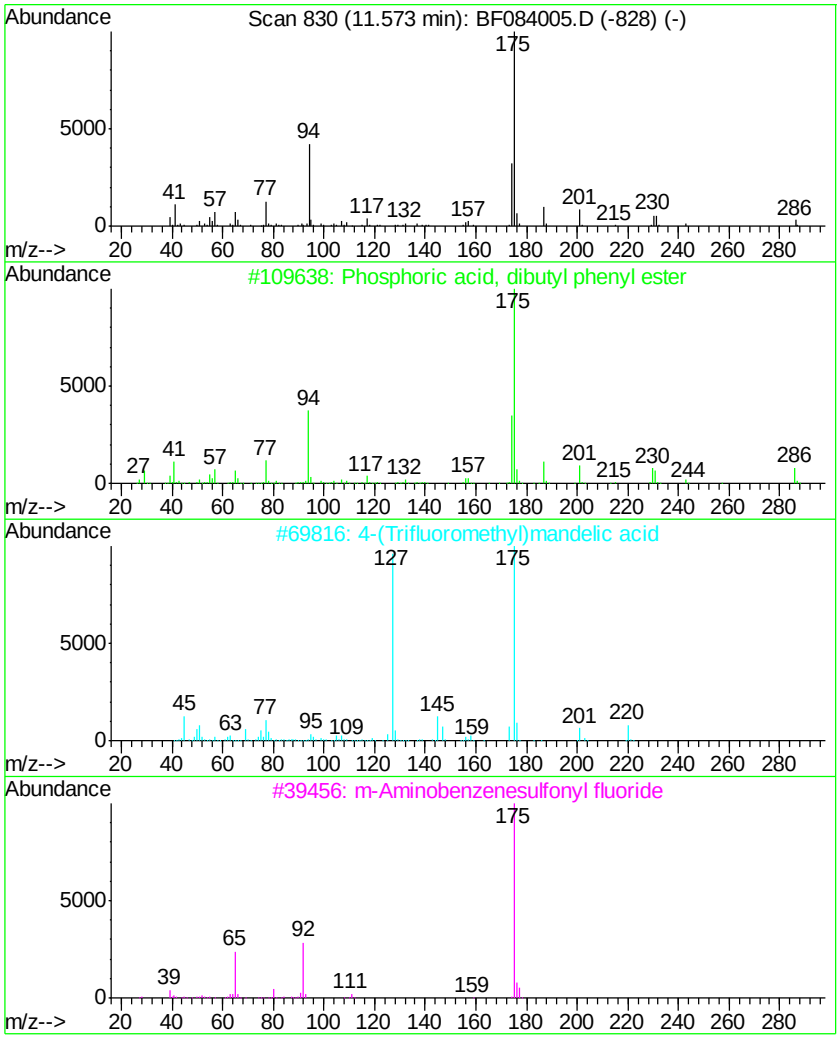
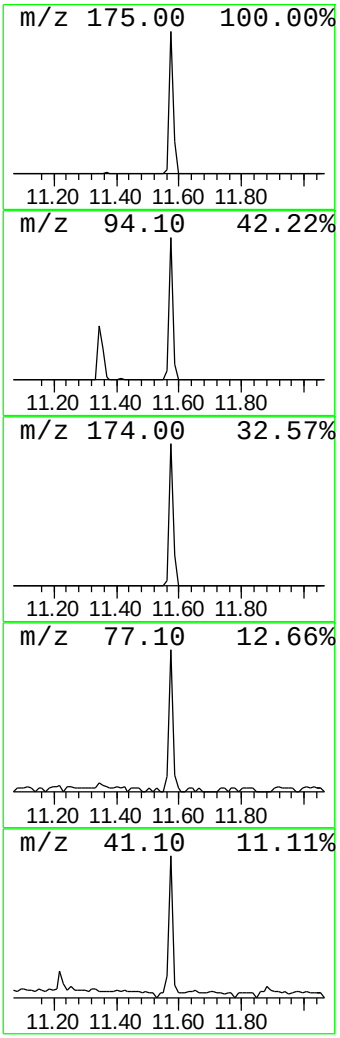
Peak Number 15 Phosphoric acid, dibutyl ph... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	11.88 ng	263179	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, dibutyl phenyl ...	286	C14H23O4P	002528-36-1	97
2	4-(Trifluoromethyl)mandelic acid	220	C9H7F3O3	000395-35-7	32
3	m-Aminobenzenesulfonyl fluoride	175	C6H6FNO2S	000368-50-3	25
4	5-Methoxy-2,3-dimethylindole	175	C11H13NO	000828-94-4	9
5	2,3,4,5-Tetrafluorobenzonitrile	175	C7HF4N	016582-93-7	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084005.D
Acq On : 22 Dec 2015 23:08
Operator : UM/SJ
Sample : G4894-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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-Butanol, 2,3-di...	2.94	11.4	ng	159056	1	6.83	278816	20.0
2-Pentanol, 2,4-d...	4.27	7.2	ng	100686	1	6.83	278816	20.0
unknown5.00	5.00	8.0	ng	111520	1	6.83	278816	20.0
1-Butene, 2,3,3-t...	6.89	4.8	ng	66935	1	6.83	278816	20.0
Butyric acid, 2,2...	7.12	18.8	ng	261378	1	6.83	278816	20.0
unknown7.46	7.46	10.3	ng	143298	1	6.83	278816	20.0
unknown7.68	7.68	6.2	ng	121529	2	8.11	391298	20.0
1-Adamantanol	8.65	3.5	ng	68435	2	8.11	391298	20.0
unknown9.10	9.10	2.3	ng	56816	3	9.87	499250	20.0
Benzoic acid, 2,4...	9.40	10.0	ng	248599	3	9.87	499250	20.0
Tributyl phosphate	10.50	24.9	ng	621979	3	9.87	499250	20.0
Heptadecane	10.77	2.0	ng	45171	4	11.36	443180	20.0
Phosphoric acid, ...	11.57	11.9	ng	263179	4	11.36	443180	20.0