Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084894.D
Acq On : 6 Feb 2016 7:09
Operator : SJ/IZ
Sample : H1329-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S4-B004(30-32)

Quant Time: Feb 07 23:56:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 161472 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.95 | 136 | 567145 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.70 | 164 | 293717 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.17 | 188 | 455348 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.80 | 240 | 306111 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.17 | 264 | 305108 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 949772 | 91.62 | ng | | -0.02 |
| 7) Phenol-d6 | 6.32 | 99 | 1168076 | 90.89 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.24 | 82 | 840637 | 83.50 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 286537 | 93.53 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.02 | 172 | 1234806 | 65.66 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.76 | 244 | 895264 | 66.27 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 4) n-Nitrosodimethylamine | 2.80 | 42 | 31478 | 5.14 | ng | # | 1 |
| 9) Benzaldehyde | 6.18 | 77 | 181749 | 23.95 | ng | # | 1 |
| 15) Benzyl Alcohol | 6.82 | 79 | 26624 | 3.00 | ng | # | 50 |
| 18) Hexachloroethane | 7.14 | 117 | 94999 | 19.90 | ng | # | 1 |
| 22) Acetophenone | 7.07 | 105 | 517064 | 34.59 | ng | # | 50 |
| 24) Nitrobenzene | 7.21 | 77 | 181642 | 16.85 | ng | # | 20 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 24408 | 2.10 | ng | # | 1 |
| 31) Naphthalene | 7.97 | 128 | 973302 | 34.21 | ng | # | 95 |
| 33) 4-Chloroaniline | 7.97 | 127 | 197075 | 16.75 | ng | # | 42 |
| 35) Caprolactam | 8.38 | 113 | 24525 | 10.05 | ng | # | 1 |
| 37) 2-Methylnaphthalene | 8.67 | 142 | 769656 | 43.23 | ng | | 96 |
| 49) Dimethylphthalate | 9.42 | 163 | 315583 | 14.11 | ng | # | 90 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 1167 | 6.28 | ng | # | 76 |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204 | 723 | Below Cal | | # | 1 |
| 76) Benzidine | 12.53 | 184 | 1492 | 6.98 | ng | # | 1 |

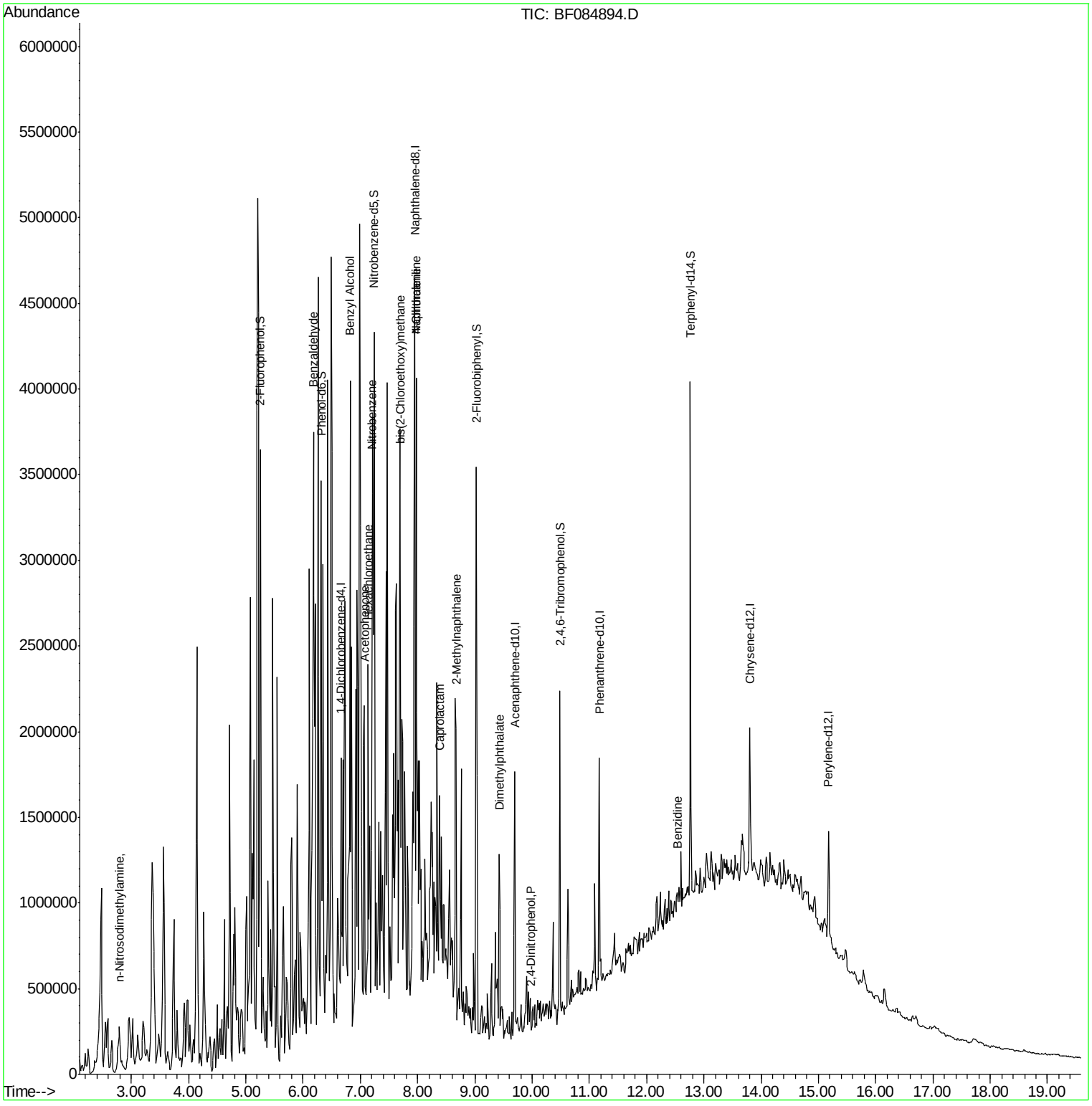
(#) = qualifier out of range (m) = manual integration (+) = signals summed

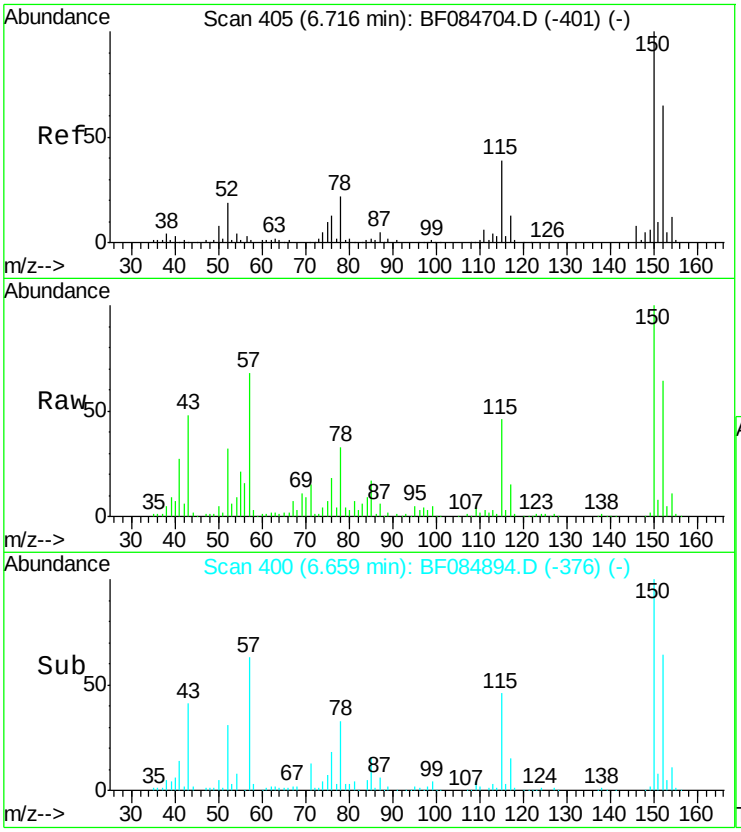
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084894.D
Acq On : 6 Feb 2016 7:09
Operator : SJ/IZ
Sample : H1329-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S4-B004(30-32)

Quant Time: Feb 07 23:56:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration



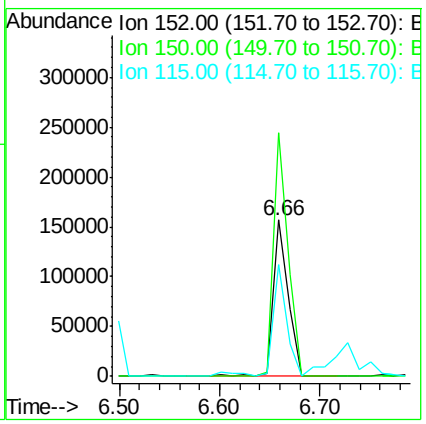


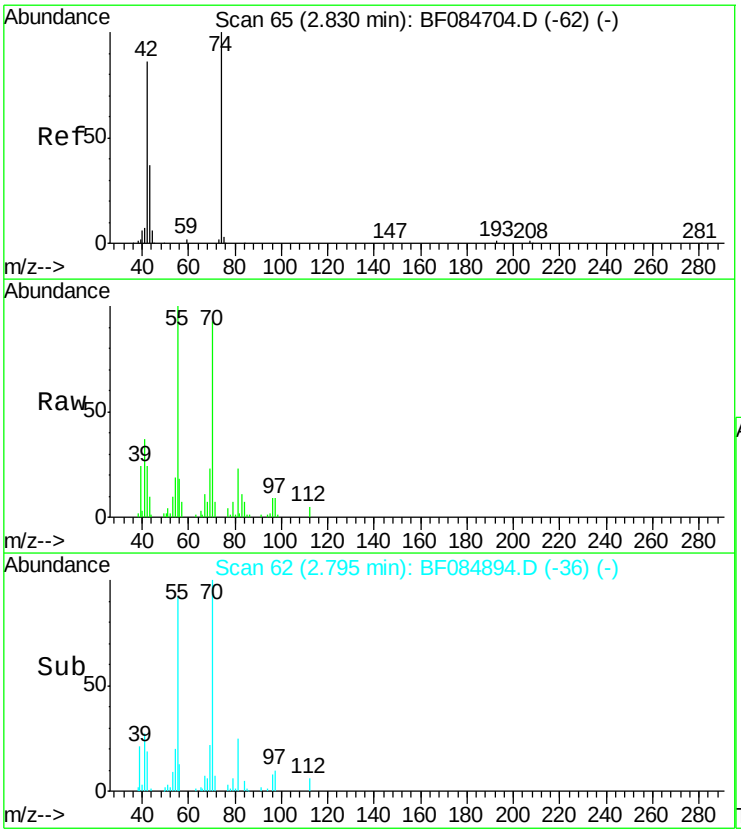

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:152 Resp: 161472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 123.0 | 184.4 |
| 115 | 71.8 | 51.4 | 77.2 |

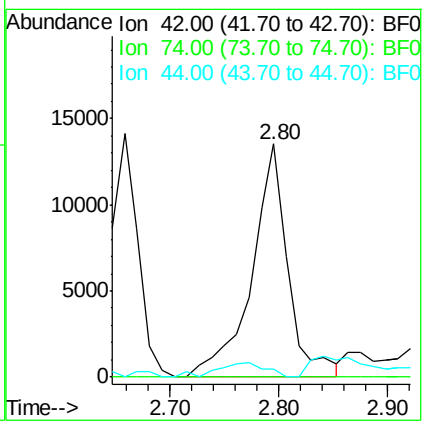


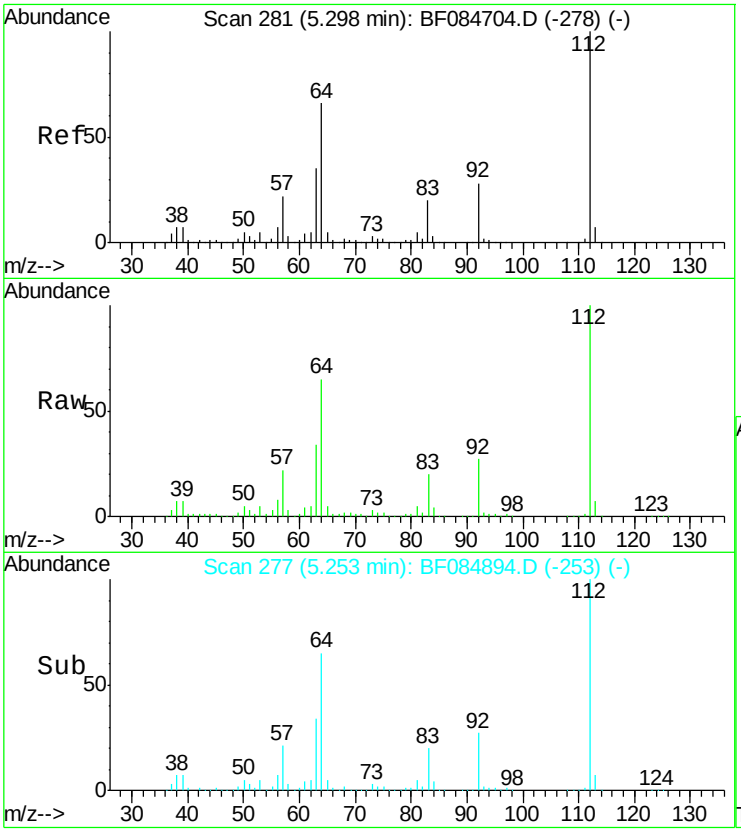




#4
n-Nitrosodimethylamine
Concen: 5.14 ng
RT: 2.80 min Scan# 62
Delta R.T. -0.00 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion: 42 Resp: 31478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 115.7 | 173.5# |
| 44 | 3.7 | 5.1 | 7.7# |



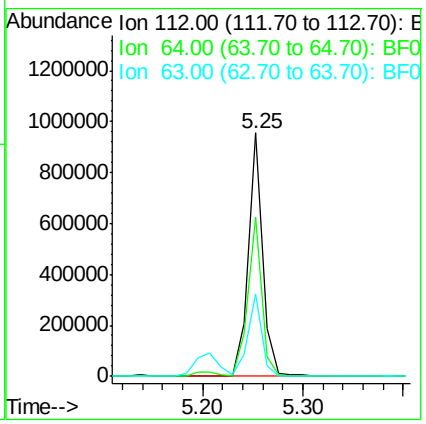


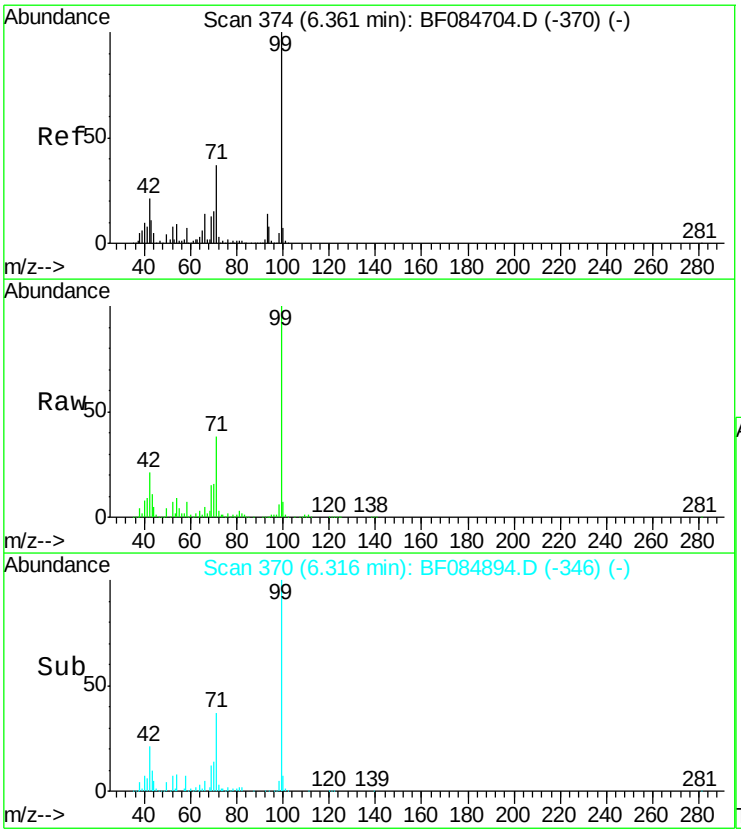

#5
2-Fluorophenol
Concen: 91.62 ng
RT: 5.25 min Scan# 277
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:112 Resp: 949772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.3 | 36.6 | 55.0# |
| 63 | 34.0 | 19.4 | 29.0# |

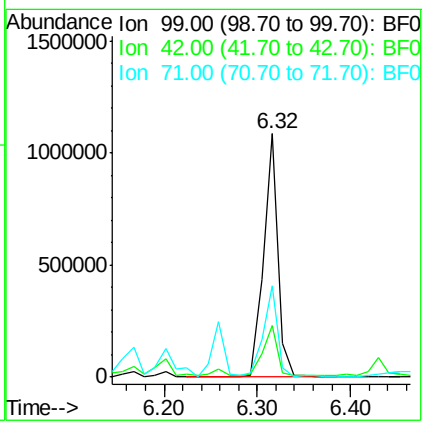


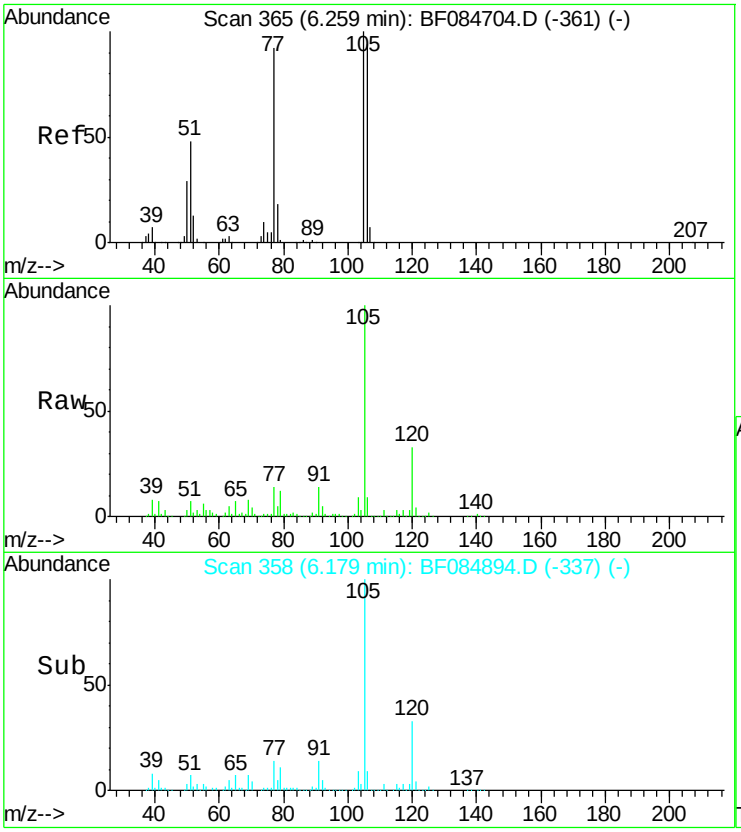




#7
Phenol-d6
Concen: 90.89 ng
RT: 6.32 min Scan# 370
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion: 99 Resp: 1168076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.2 | 12.8 | 19.2# |
| 71 | 37.8 | 30.9 | 46.3 |



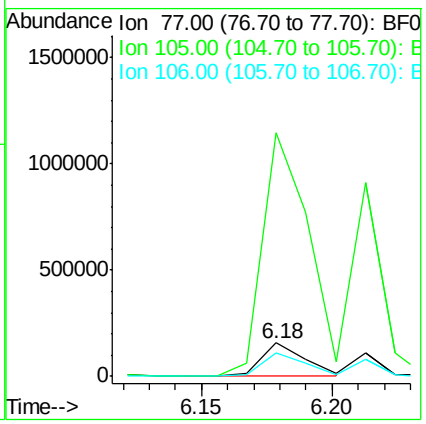


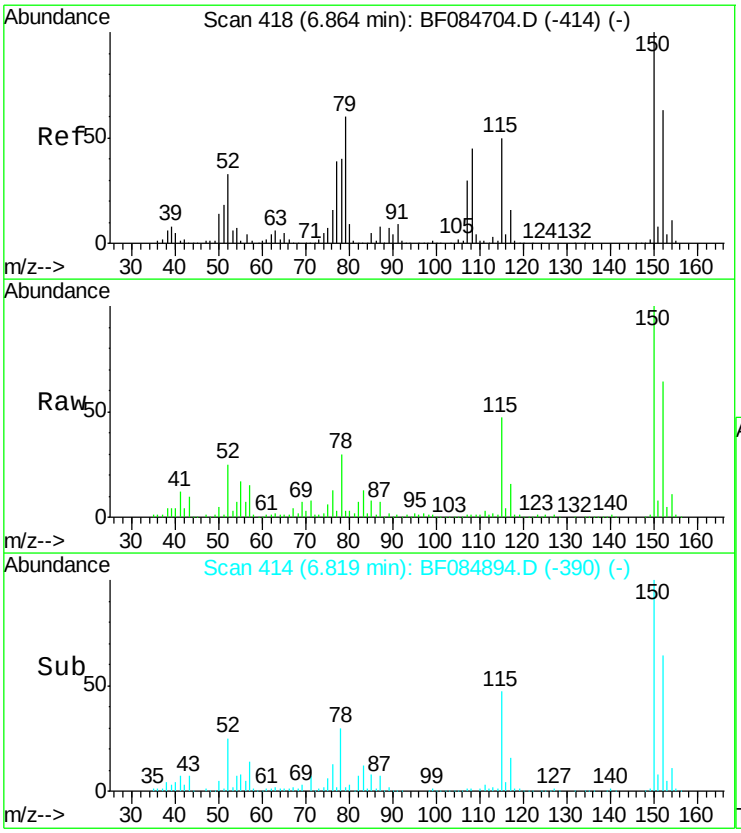

#9
Benzaldehyde
Concen: 23.95 ng
RT: 6.18 min Scan# 358
Delta R.T. -0.06 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion: 77 Resp: 181749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 726.1 | 83.0 | 123.0# |
| 106 | 68.7 | 74.6 | 114.6# |

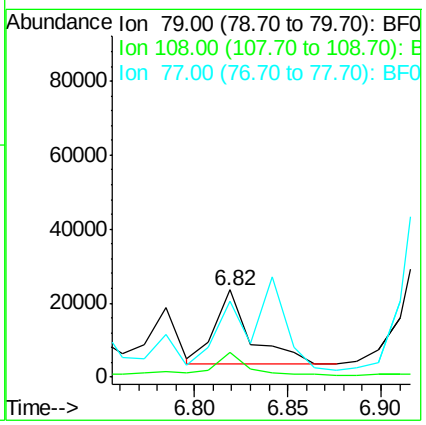


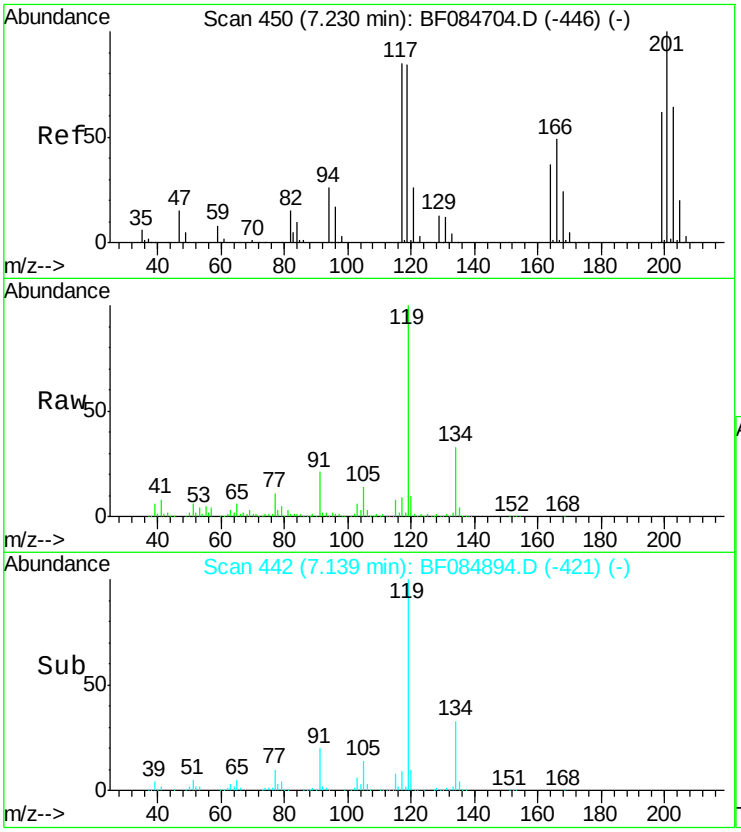




#15
Benzyl Alcohol
Concen: 3.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion: 79 Resp: 26624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 28.2 | 69.0 | 103.4# |
| 77 | 87.1 | 50.0 | 75.0# |



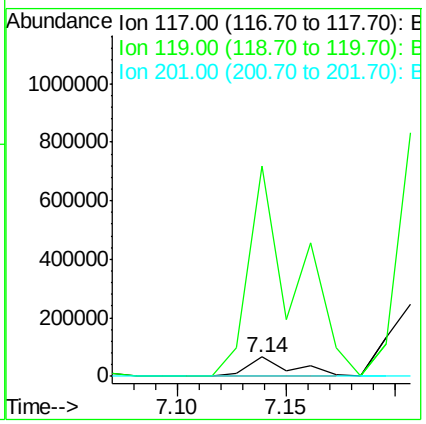


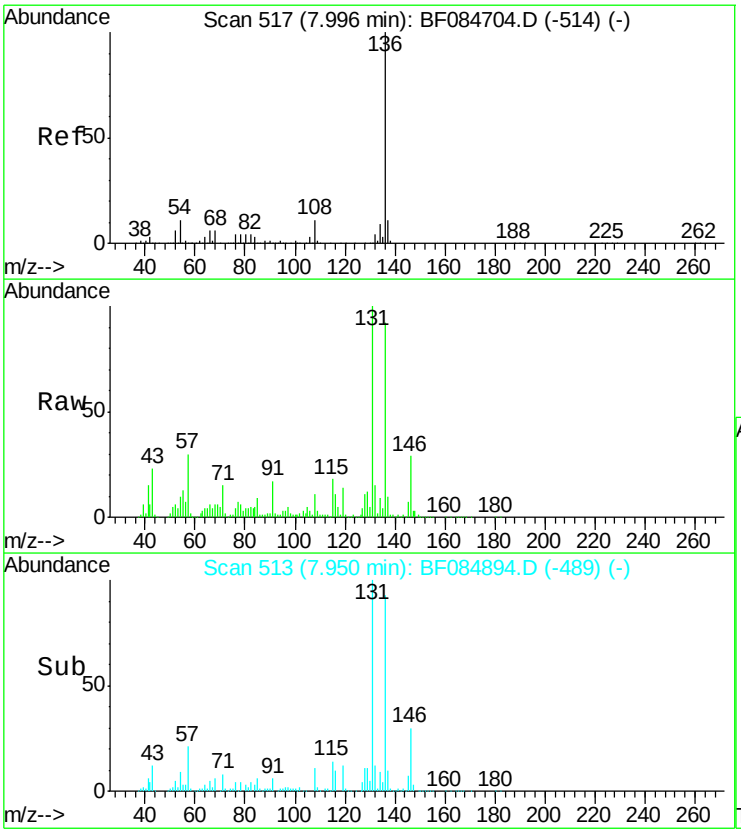

#18
Hexachloroethane
Concen: 19.90 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.06 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:117 Resp: 94999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 1078.3 | 77.4 | 116.0# |
| 201 | 0.0 | 68.6 | 103.0# |

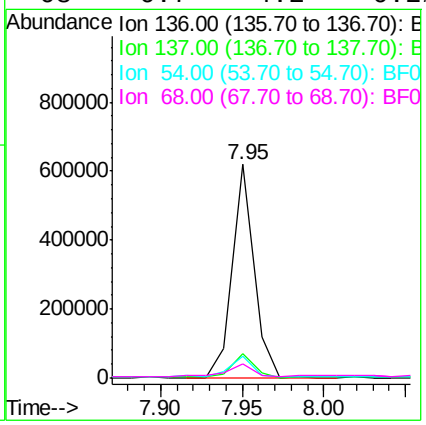


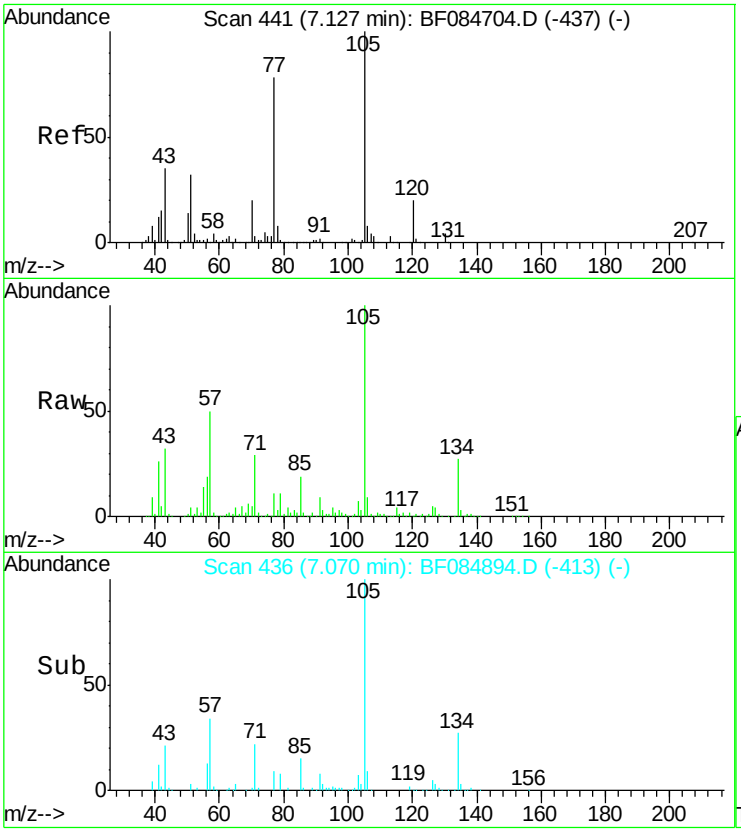




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:136 Resp: 567145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.7 | 13.1 |
| 54 | 10.3 | 5.8 | 8.8# |
| 68 | 6.7 | 4.2 | 6.2# |



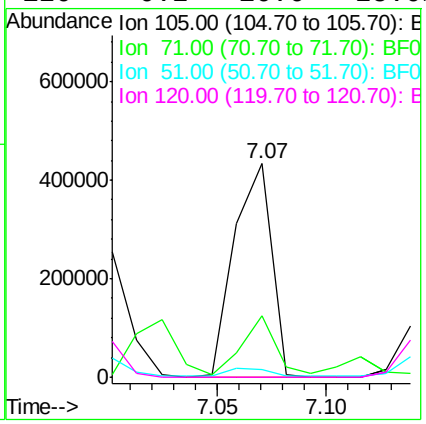


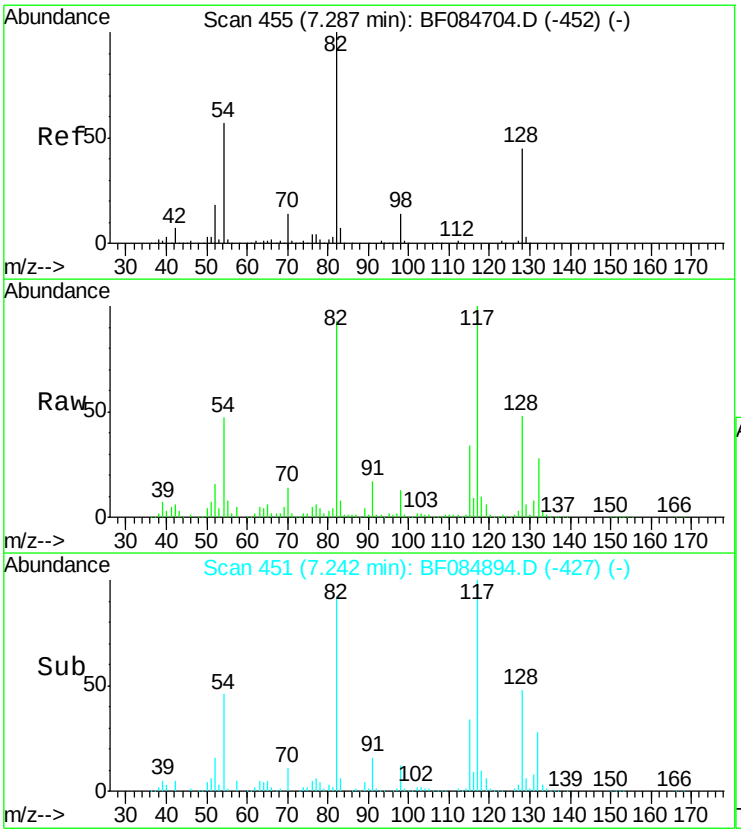

#22
Acetophenone
Concen: 34.59 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:105 Resp: 517064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 28.5 | 3.7 | 5.5# |
| 51 | 3.5 | 25.1 | 37.7# |
| 120 | 0.2 | 16.6 | 25.0# |

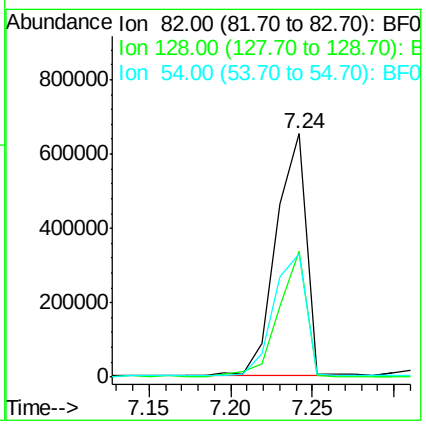


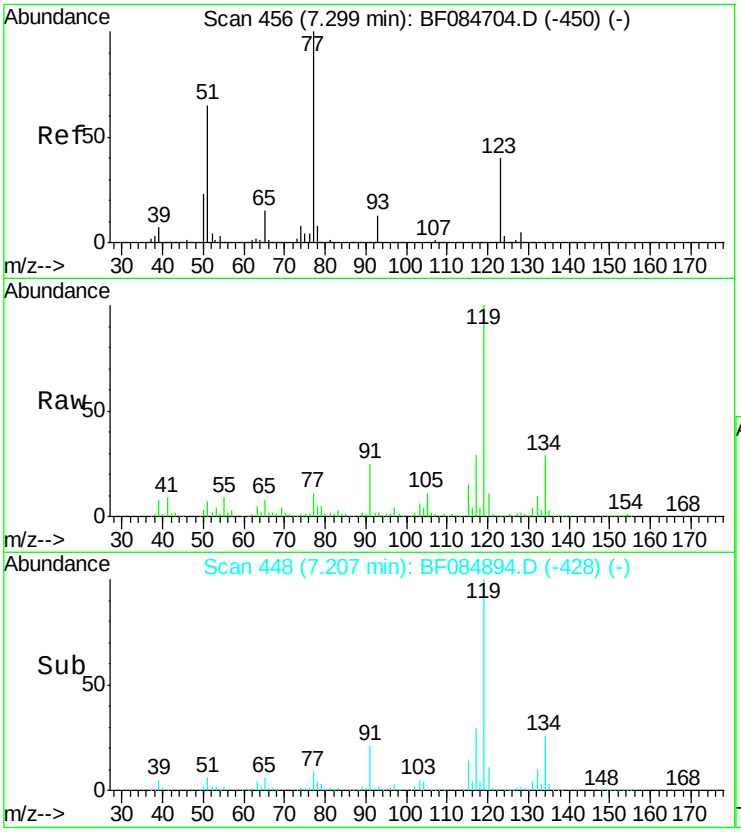




#23
Nitrobenzene-d5
Concen: 83.50 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion: 82 Resp: 840637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.5 | 34.6 | 51.8 |
| 54 | 50.8 | 38.4 | 57.6 |



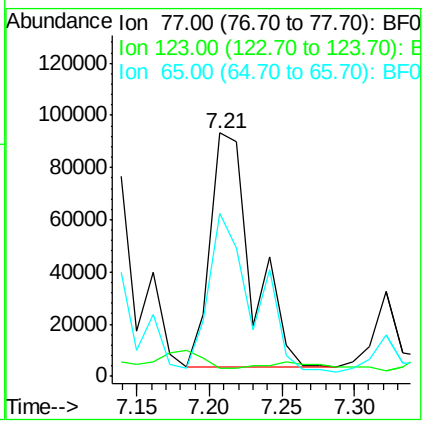


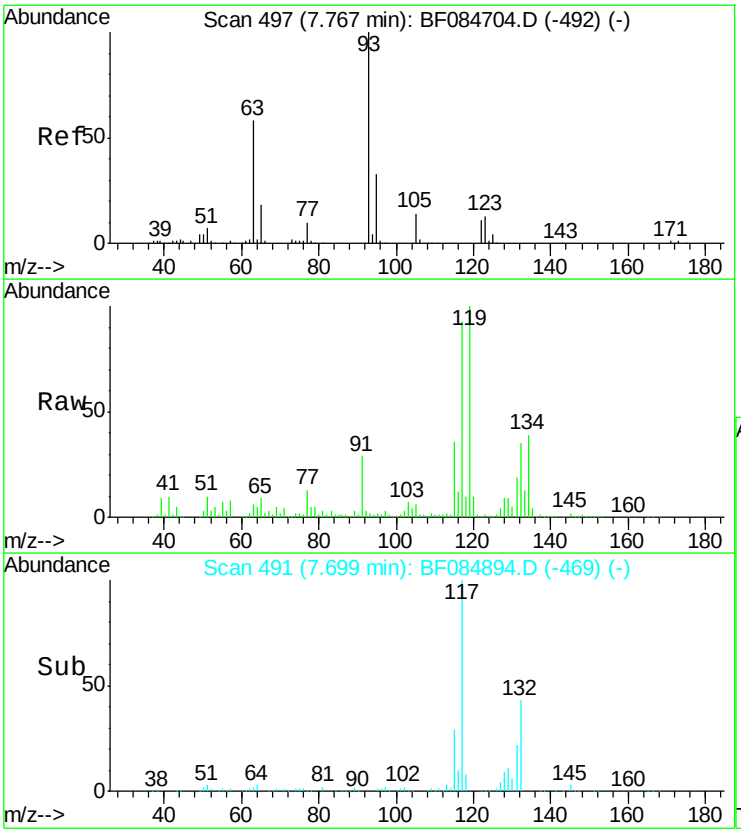

#24
Nitrobenzene
Concen: 16.85 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.07 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion: 77 Resp: 181642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 3.6 | 37.4 | 56.2# |
| 65 | 67.1 | 10.9 | 16.3# |

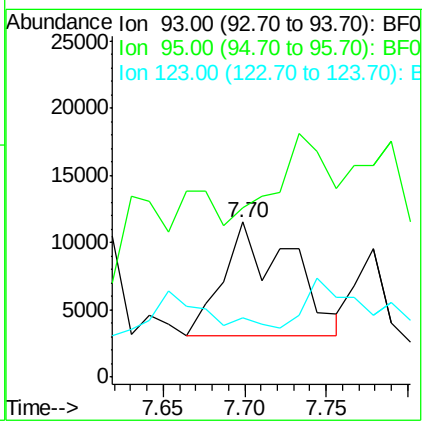


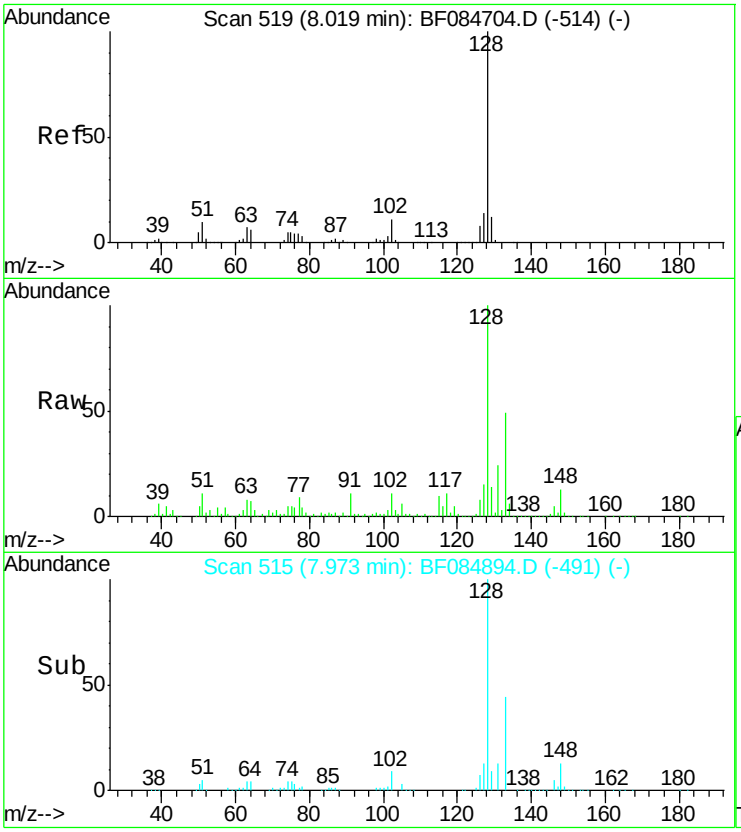




#28
bis(2-Chloroethoxy)methane
Concen: 2.10 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.05 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion: 93 Resp: 24408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 109.3 | 25.8 | 38.6# |
| 123 | 38.1 | 8.6 | 12.8# |



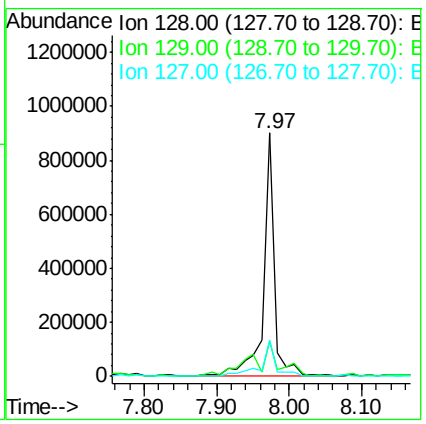


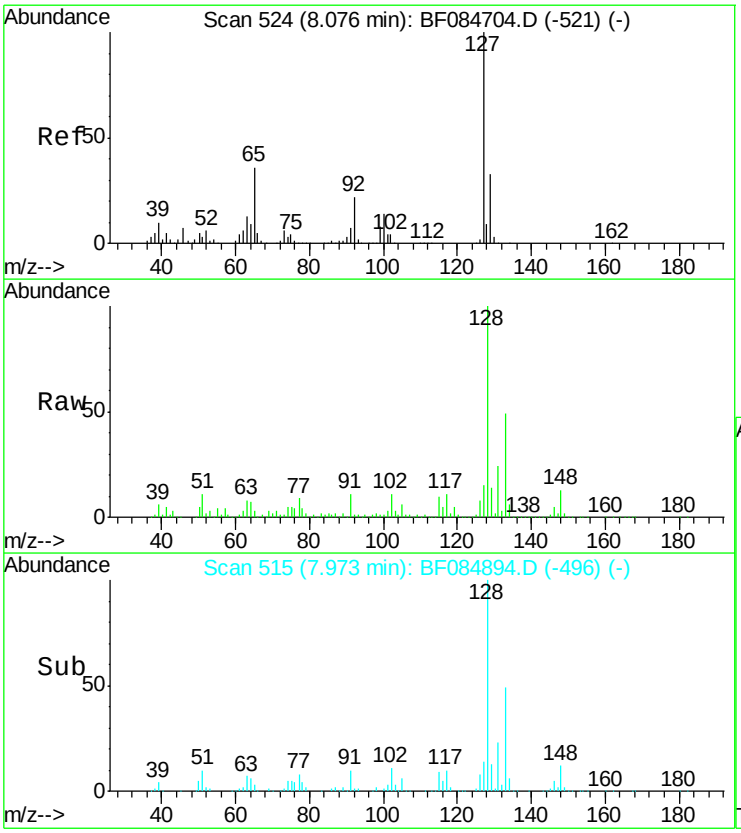

#31
Naphthalene
Concen: 34.21 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:128 Resp: 973302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.4 | 9.1 | 13.7# |
| 127 | 14.7 | 11.1 | 16.7 |

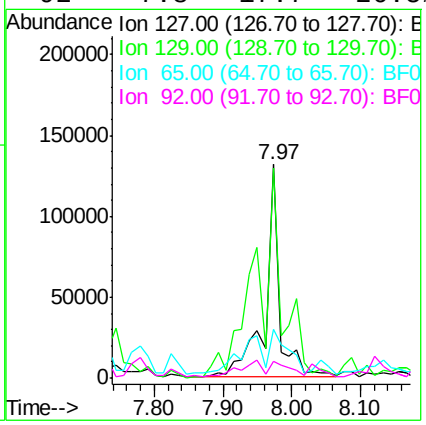


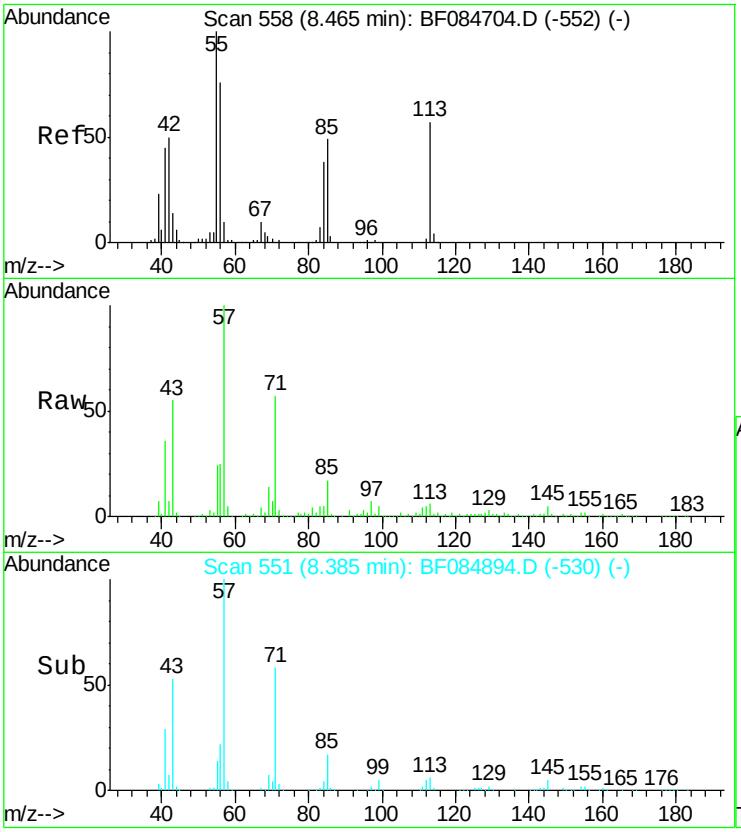




#33
4-Chloroaniline
Concen: 16.75 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.08 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:127 Resp: 197075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 98.0 | 26.5 | 39.7# |
| 65 | 22.6 | 27.2 | 40.8# |
| 92 | 7.8 | 17.7 | 26.5# |



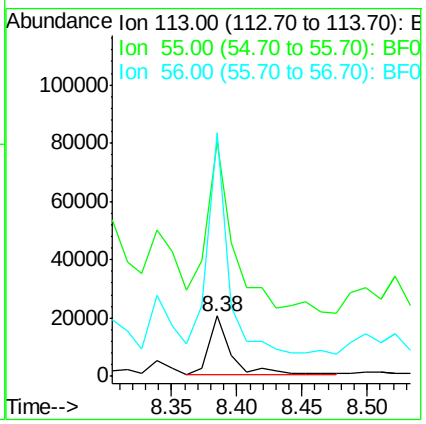


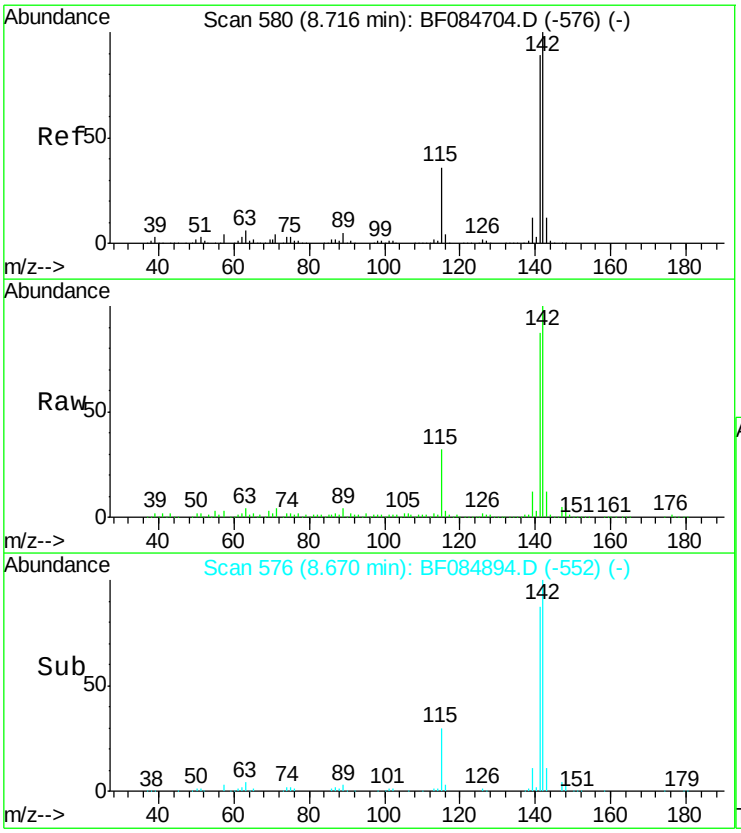

#35
Caprolactam
Concen: 10.05 ng
RT: 8.38 min Scan# 551
Delta R.T. -0.06 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:113 Resp: 24525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 389.9 | 116.9 | 156.9# |
| 56 | 403.5 | 93.8 | 133.8# |

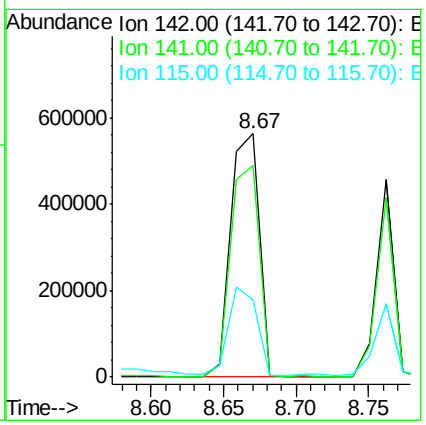


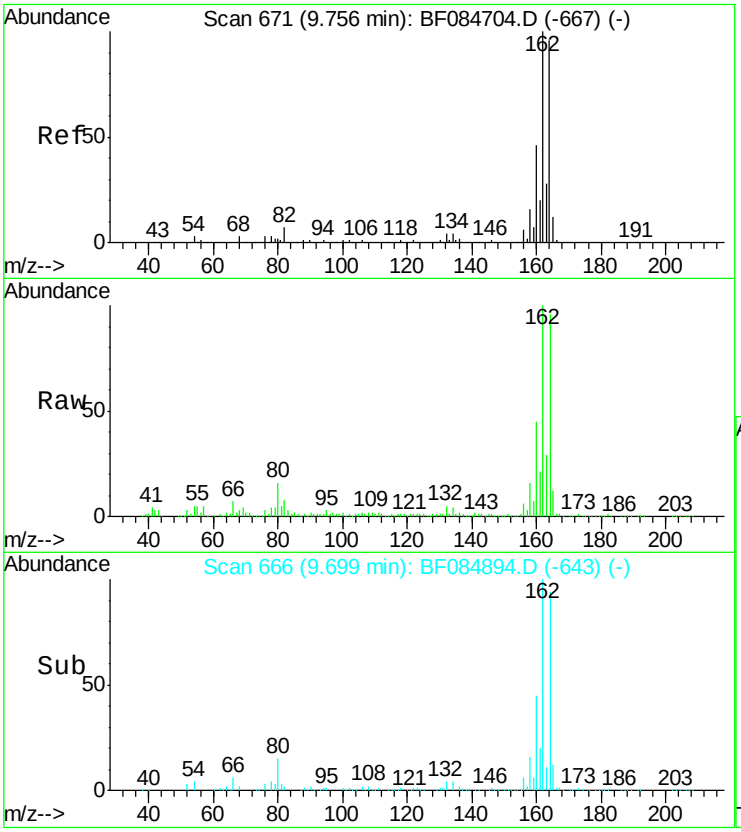




#37
2-Methylnaphthalene
Concen: 43.23 ng
RT: 8.67 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:142 Resp: 769656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.1 | 72.4 | 108.6 |
| 115 | 31.9 | 27.9 | 41.9 |



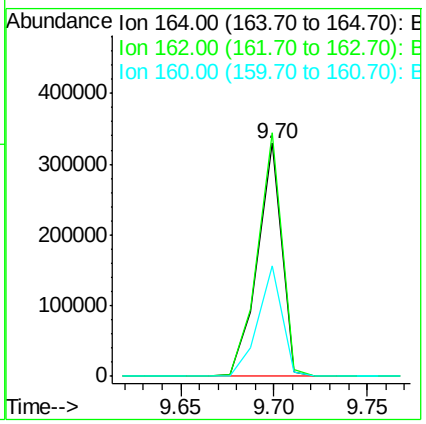


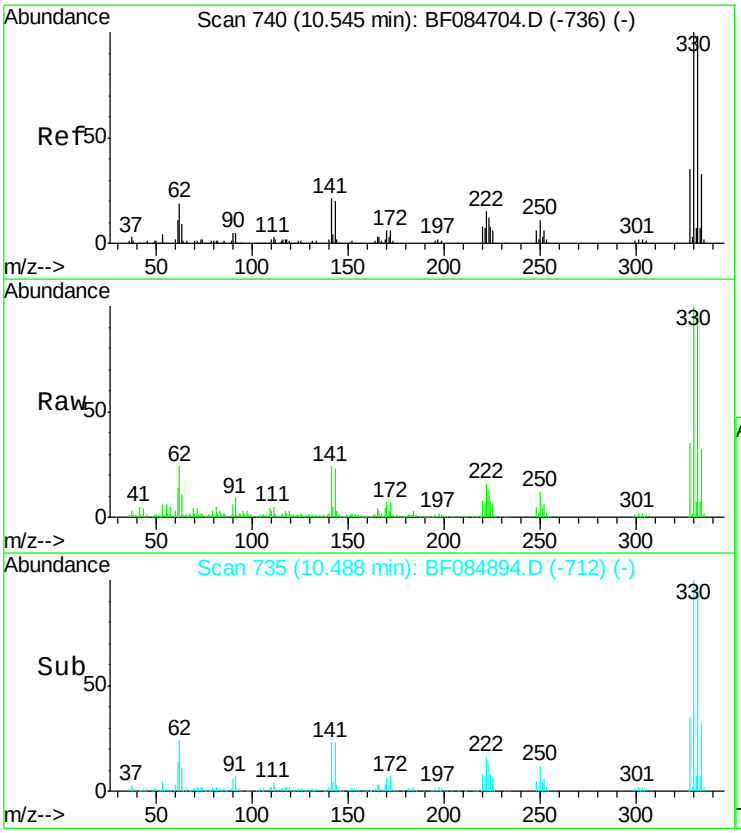

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:164 Resp: 293717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 85.1 | 127.7 |
| 160 | 47.4 | 37.5 | 56.3 |

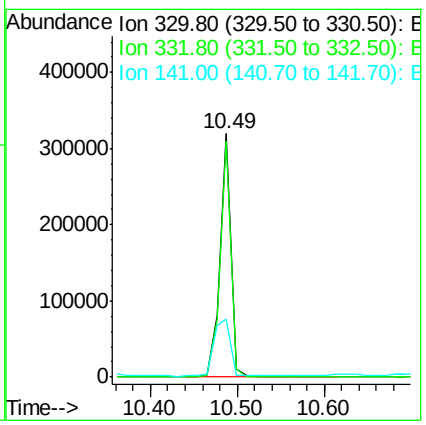


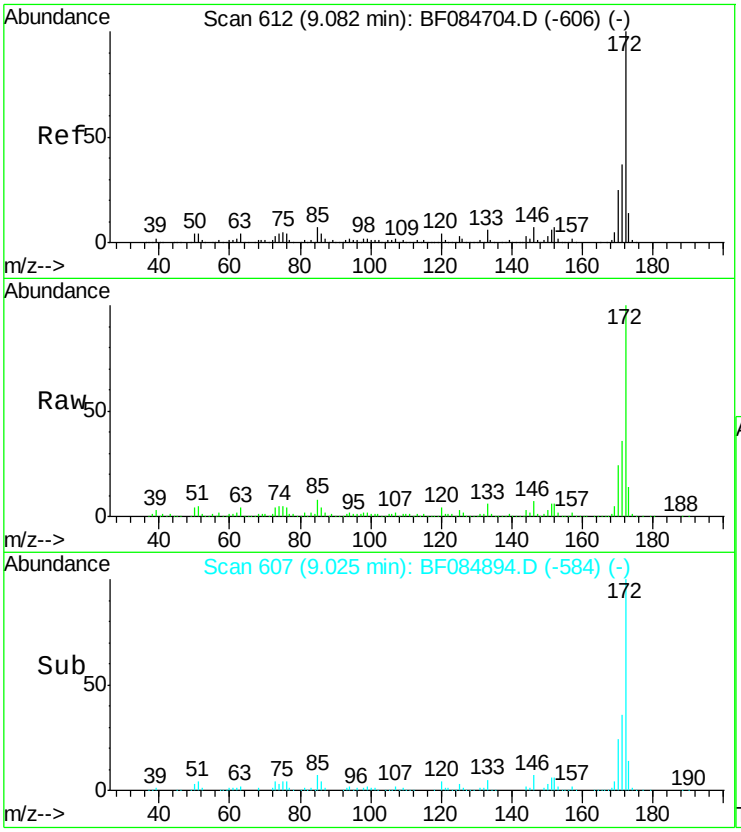




#41
2,4,6-Tribromophenol
Concen: 93.53 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:330 Resp: 286537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.6 | 114.8 |
| 141 | 36.4 | 27.8 | 41.6 |



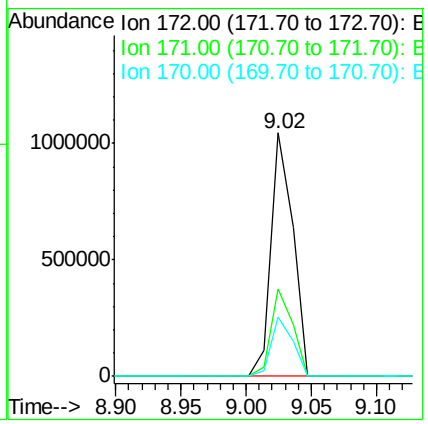


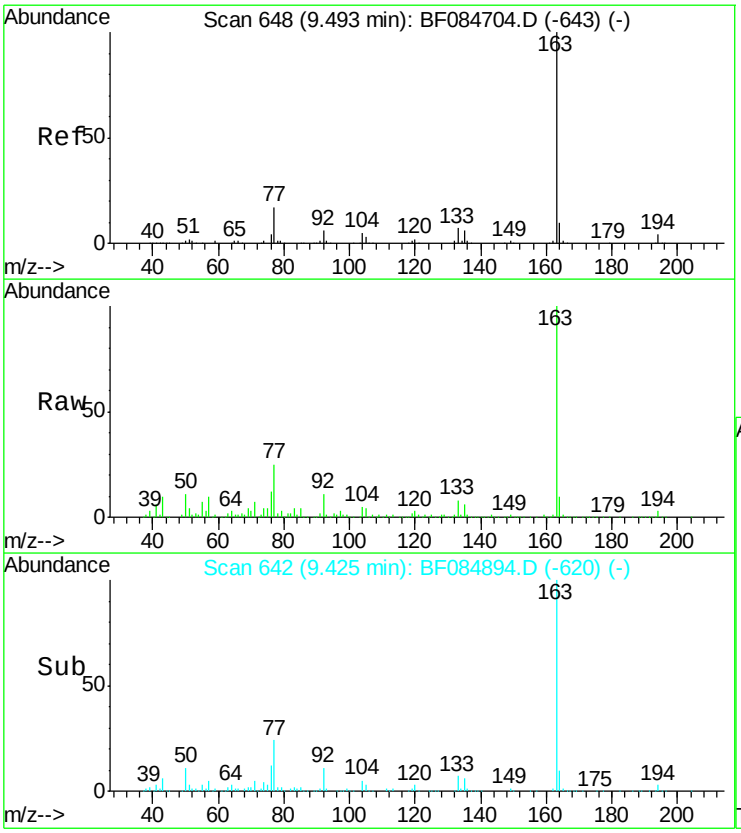

#44
2-Fluorobiphenyl
Concen: 65.66 ng
RT: 9.02 min Scan# 607
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:172 Resp: 1234806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.9 | 43.3 |
| 170 | 24.2 | 18.6 | 27.8 |

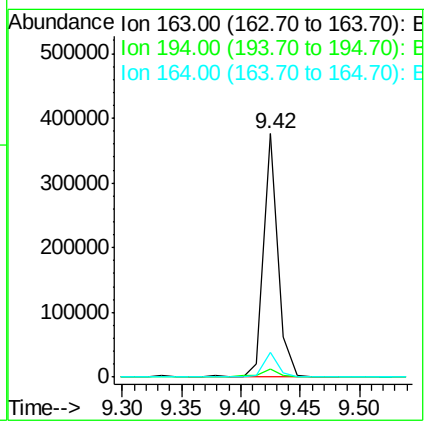


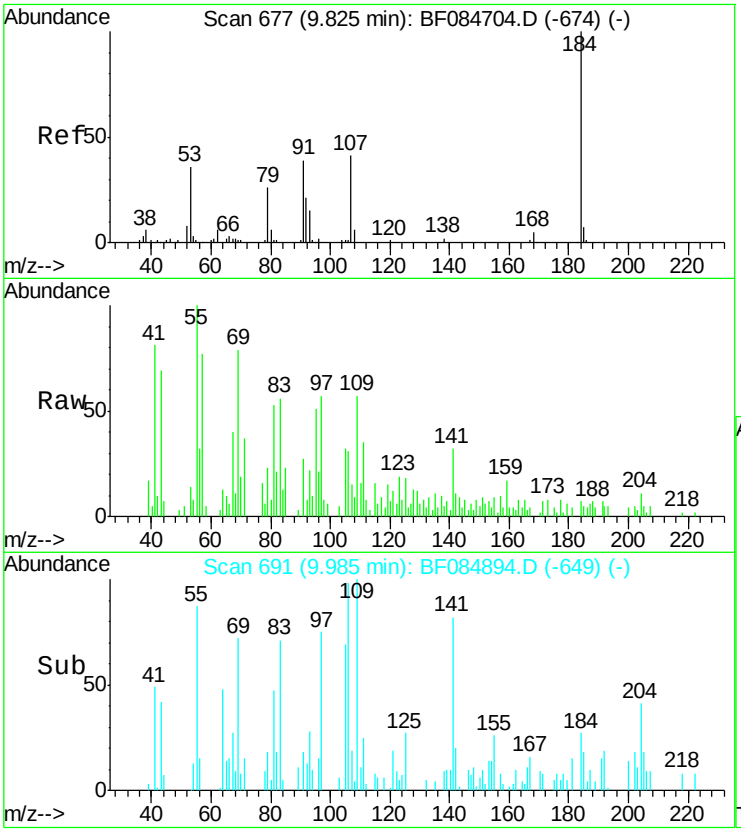




#49
Dimethylphthalate
Concen: 14.11 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:163 Resp: 315583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 8.0 | 12.0# |
| 164 | 10.3 | 8.0 | 12.0 |



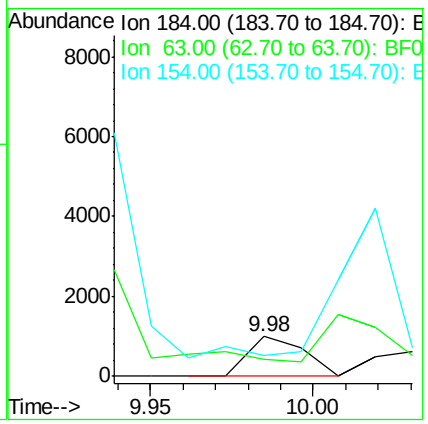


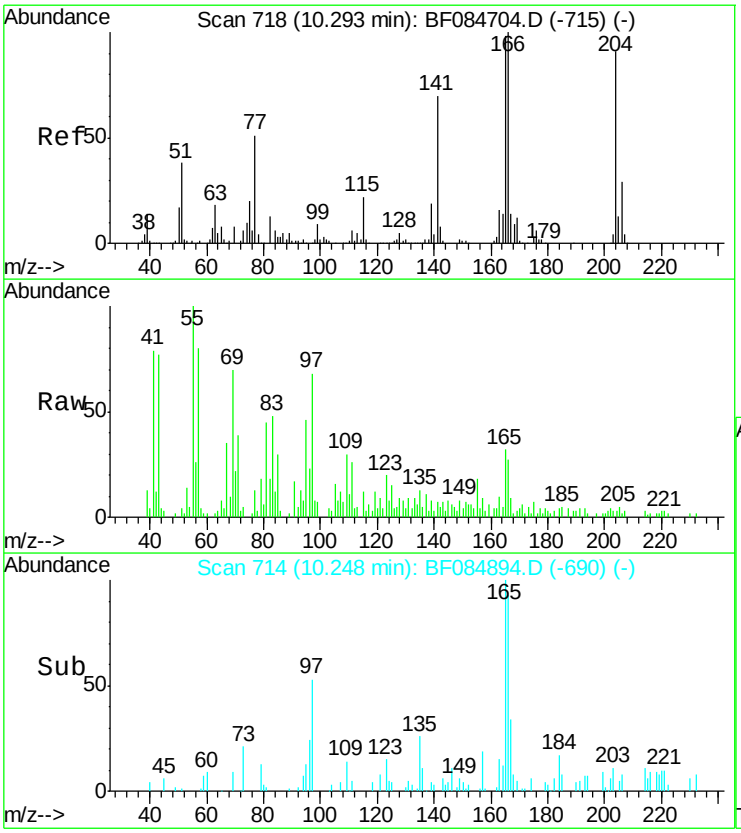

#53
2,4-Dinitrophenol
Concen: 6.28 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.18 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:184 Resp: 1167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 41.6 | 43.1 | 64.7# |
| 154 | 51.4 | 60.5 | 90.7# |

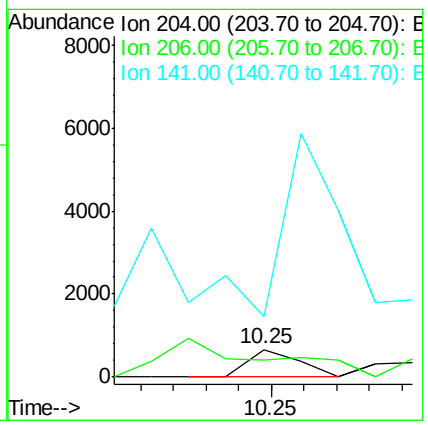


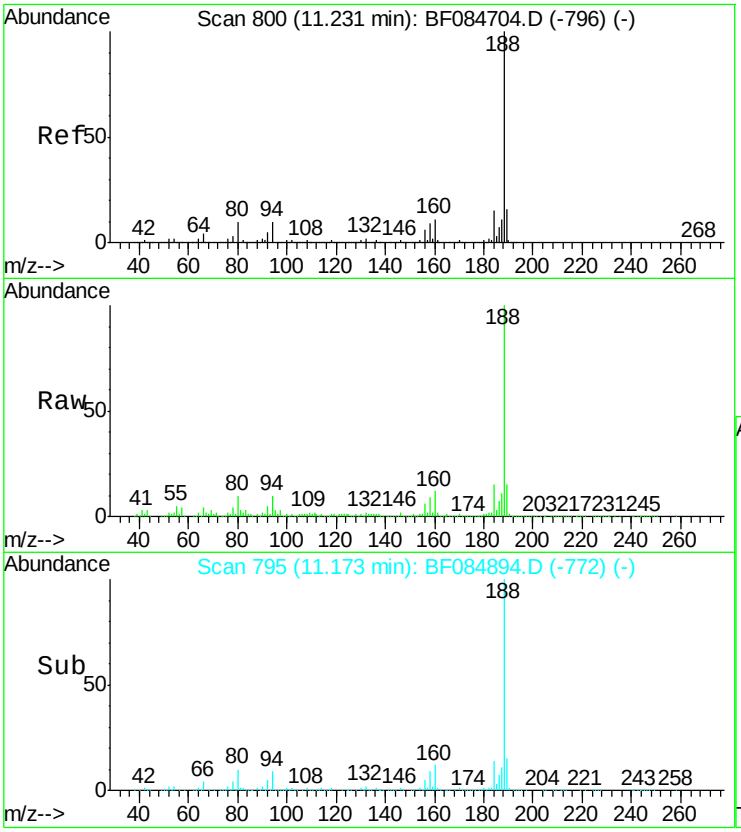




#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.25 min Scan# 714
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:204 Resp: 723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 61.4 | 25.7 | 38.5# |
| 141 | 218.5 | 55.1 | 82.7# |



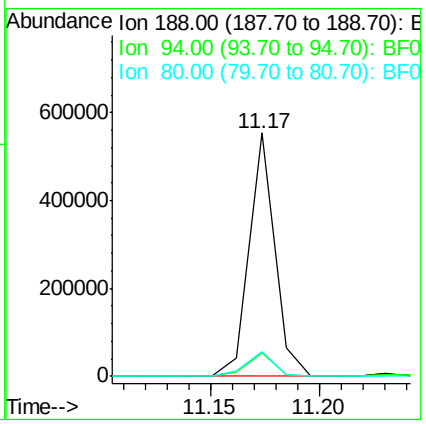


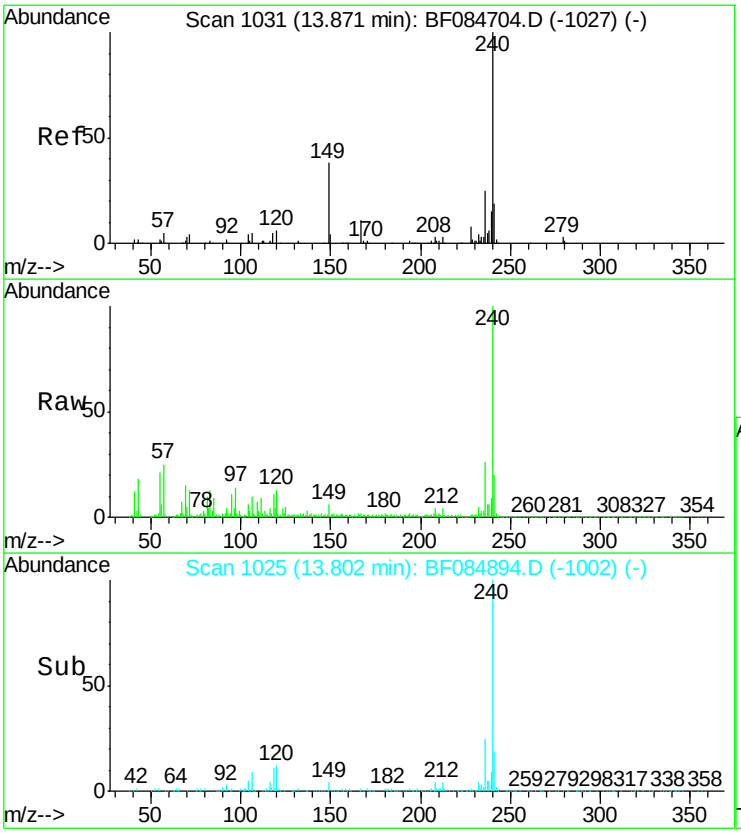

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:188 Resp: 455348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.6 | 9.0 | 13.4 |
| 80 | 10.4 | 9.6 | 14.4 |

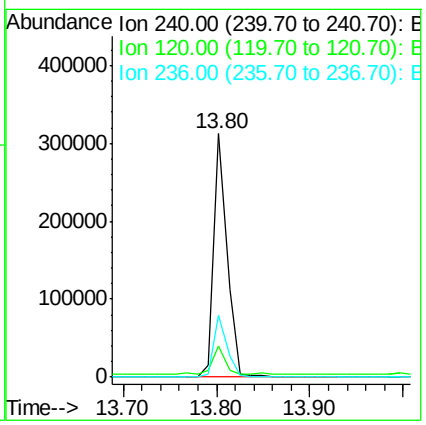


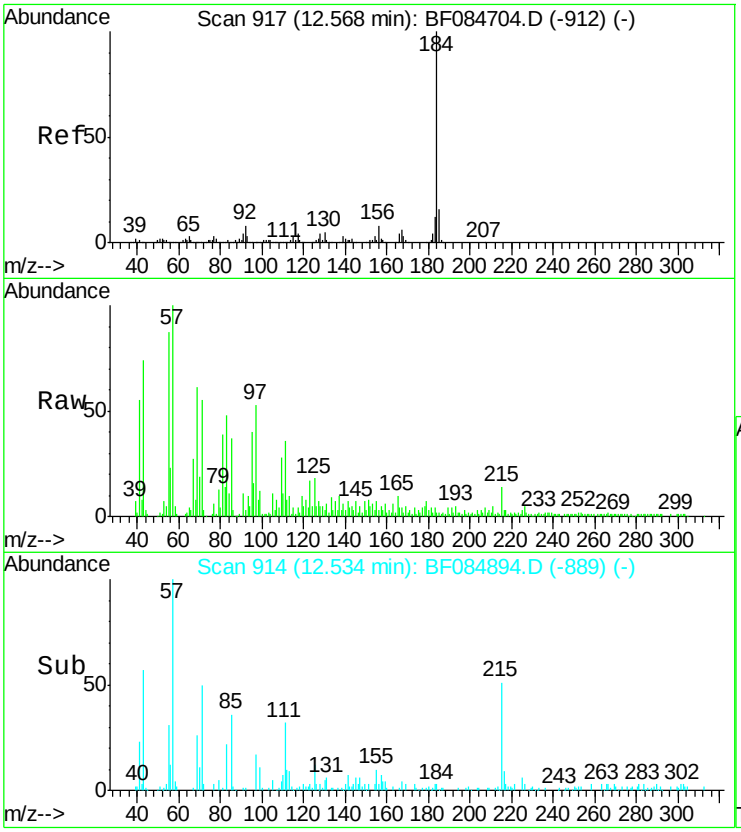




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:240 Resp: 306111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 9.5 | 14.3 |
| 236 | 25.6 | 20.6 | 31.0 |



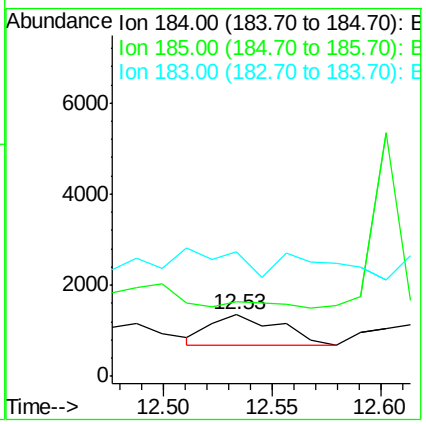


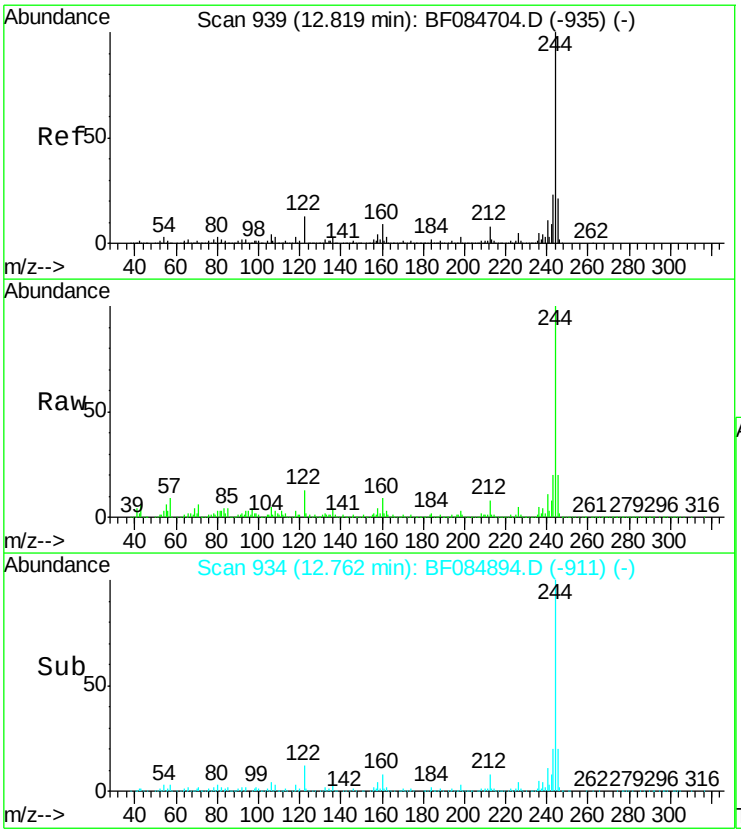

#76
Benzidine
Concen: 6.98 ng
RT: 12.53 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:184 Resp: 1492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 122.5 | 12.2 | 18.2# |
| 183 | 203.4 | 9.8 | 14.8# |

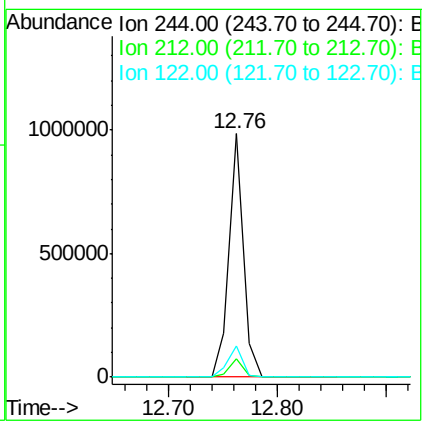


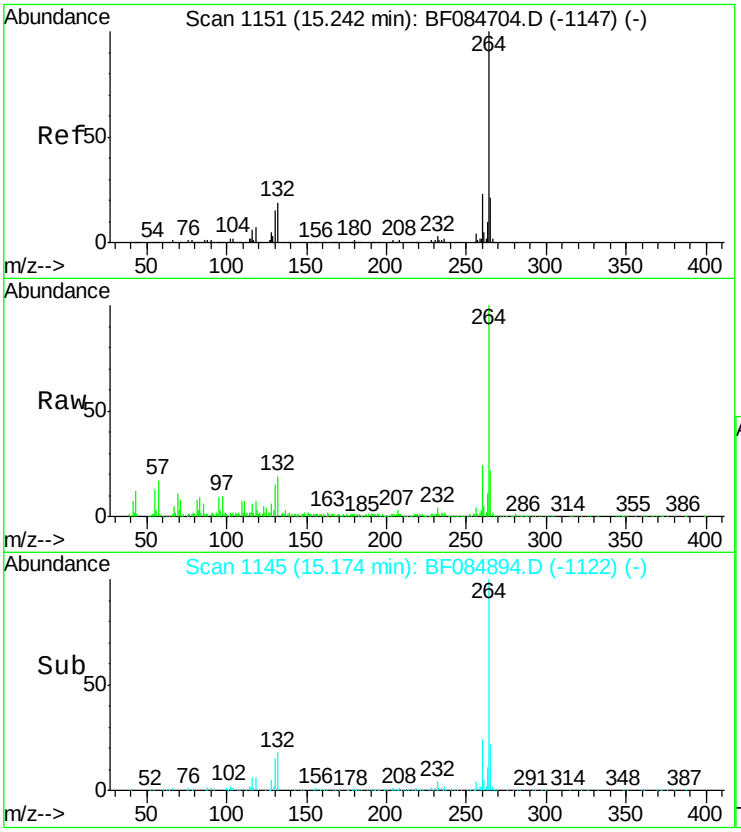




#78
Terphenyl-d14
Concen: 66.27 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:244 Resp: 895264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 5.7 | 8.5 |
| 122 | 12.6 | 7.4 | 11.0# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B004(30-32)

Tgt Ion:264 Resp: 305108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.4 | 29.2 |
| 265 | 21.8 | 17.8 | 26.6 |