Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082415\
Data File : BF081195.D
Acq On : 25 Aug 2015 5:15
Operator : UM/IZ
Sample : G3387-01 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SS-01

Quant Time: Aug 25 10:46:17 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.54 | 152 | 64552 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.83 | 136 | 260554 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.57 | 164 | 112794 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.04 | 188 | 215361 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.66 | 240 | 141511 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.00 | 264 | 117787 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.10 | 112 | 24008 | 5.59 | ng | | 0.00 |
| 7) Phenol-d6 | 6.18 | 99 | 33710 | 6.02 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.11 | 82 | 19446 | 3.41 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.36 | 330 | 4668 | 4.77 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.90 | 172 | 35542 | 4.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.62 | 244 | 23741 | 3.60 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 7.84 | 128 | 33557 | 2.31 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 14903 | 7.47 | ng | # | 23 |
| 51) Acenaphthene | 9.60 | 154 | 47797 | 5.59 | ng | | 99 |
| 54) Dibenzofuran | 9.77 | 168 | 47676 | 4.16 | ng | | 99 |
| 55) 4-Nitrophenol | 9.77 | 139 | 17538 | 10.01 | ng | # | 1 |
| 56) 2,4-Dinitrotoluene | 9.57 | 165 | 14903 | 5.64 | ng | # | 18 |
| 57) Fluorene | 10.12 | 166 | 67018 | 7.61 | ng | | 99 |
| 70) Phenanthrene | 11.07 | 178 | 517478 | 40.54 | ng | | 98 |
| 71) Anthracene | 11.11 | 178 | 164450 | 13.24 | ng | | 98 |
| 72) Carbazole | 11.27 | 167 | 72586 | 6.07 | ng | | 100 |
| 74) Fluoranthene | 12.24 | 202 | 745259 | 54.11 | ng | | 92 |
| 77) Pyrene | 12.47 | 202 | 727236 | 63.22 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.65 | 228 | 367170 | 38.69 | ng | | 97 |
| 82) Chrysene | 13.65 | 228 | 367170 | 42.93 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.04 | 276 | 31937 | 5.32 | ng | | 93 |
| 87) Benzo(b)fluoranthene | 14.64 | 252 | 505555 | 60.68 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 14.64 | 252 | 505555 | 65.12 | ng | | 98 |
| 89) Benzo(a)pyrene | 14.94 | 252 | 254343 | 35.04 | ng | # | 90 |
| 90) Dibenzo(a,h)anthracene | 16.17 | 278 | 50897 | 9.00 | ng | # | 80 |
| 91) Benzo(g,h,i)perylene | 16.53 | 276 | 140459 | 24.48 | ng | # | 92 |

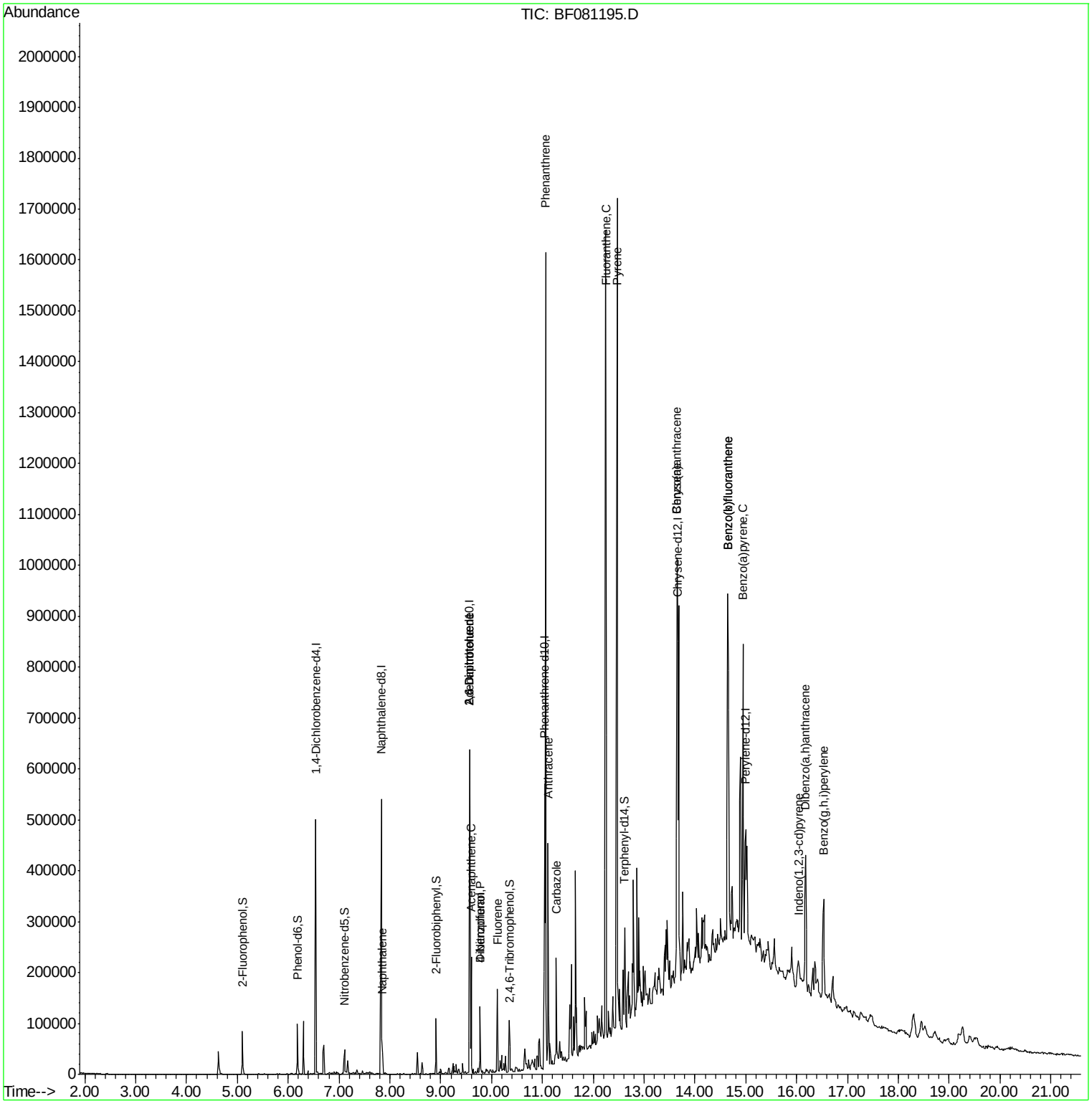
(#) = qualifier out of range (m) = manual integration (+) = signals summed

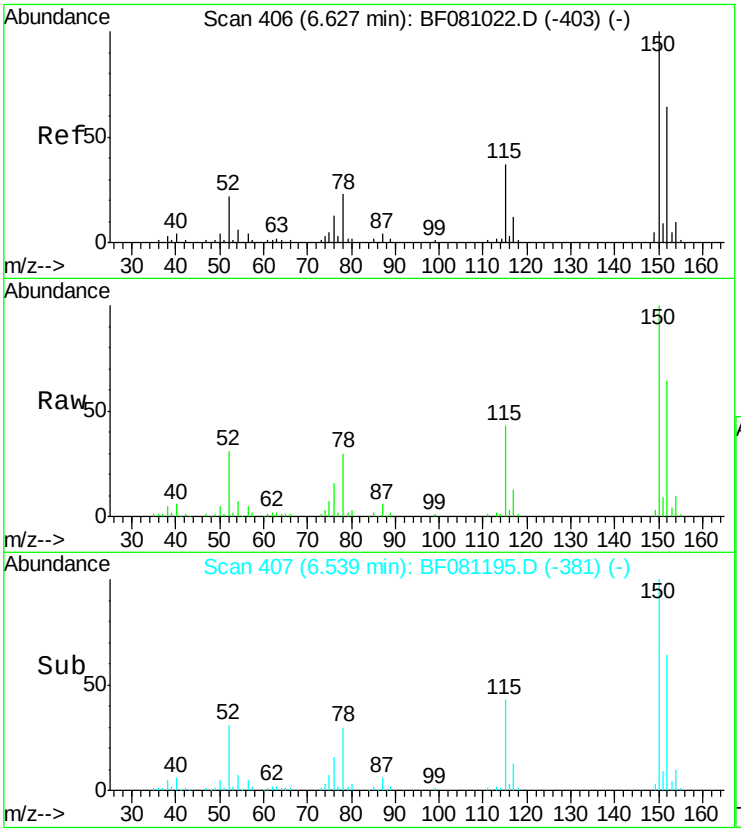
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082415\
Data File : BF081195.D
Acq On : 25 Aug 2015 5:15
Operator : UM/IZ
Sample : G3387-01 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Quant Time: Aug 25 10:46:17 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration



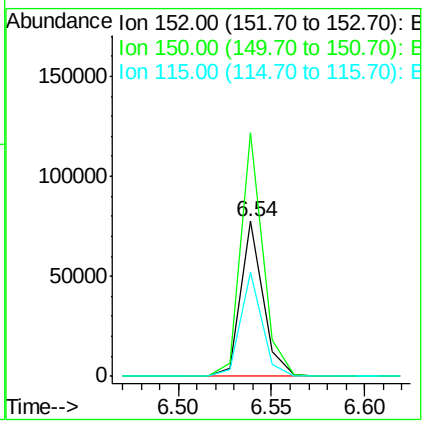


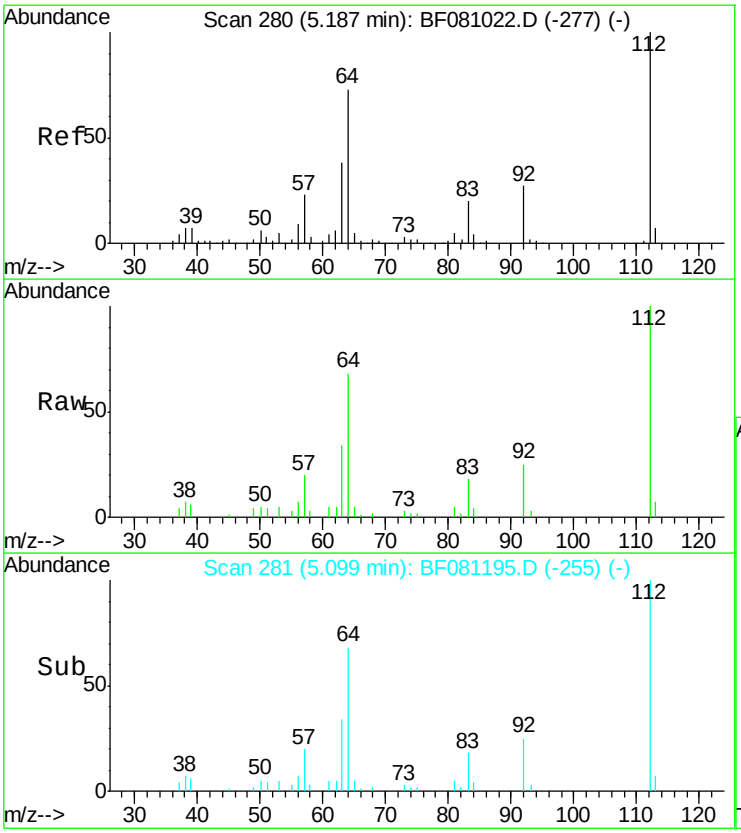

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:152 Resp: 64552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 123.8 | 185.6 |
| 115 | 67.1 | 52.1 | 78.1 |

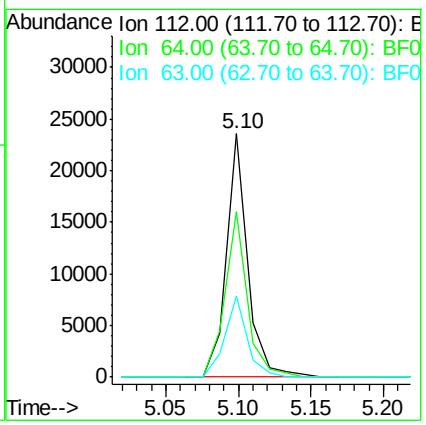


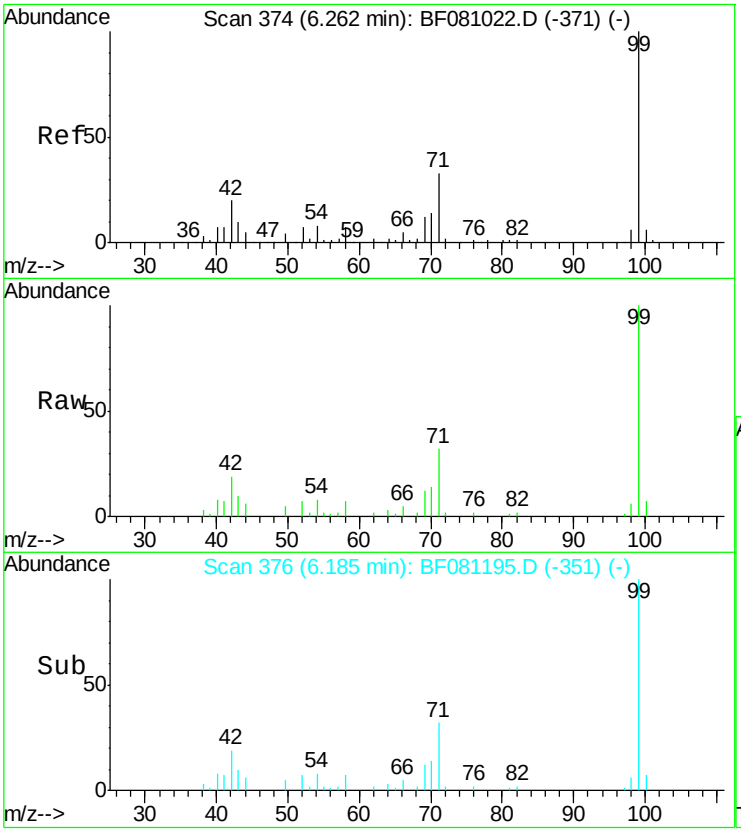




#5
2-Fluorophenol
Concen: 5.59 ng
RT: 5.10 min Scan# 281
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:112 Resp: 24008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.7 | 66.9 | 100.3 |
| 63 | 33.5 | 38.1 | 57.1# |



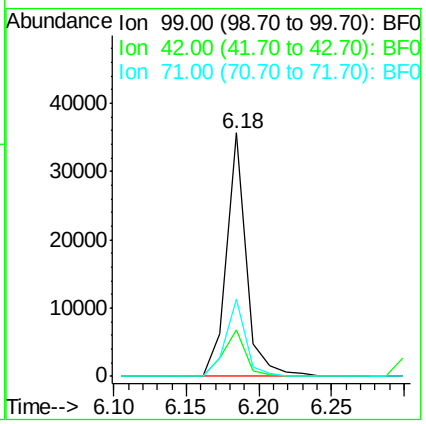


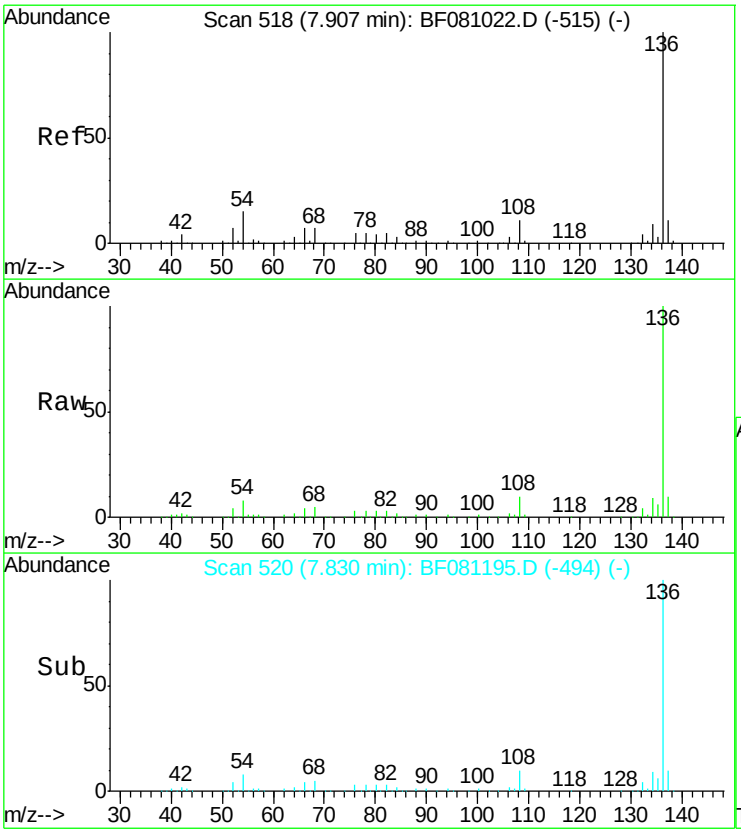

#7
Phenol-d6
Concen: 6.02 ng
RT: 6.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion: 99 Resp: 33710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 19.6 | 29.4# |
| 71 | 31.7 | 31.2 | 46.8 |

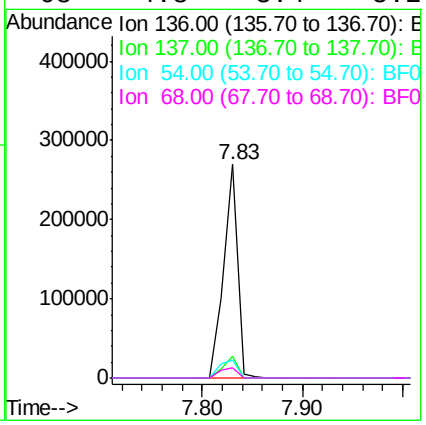


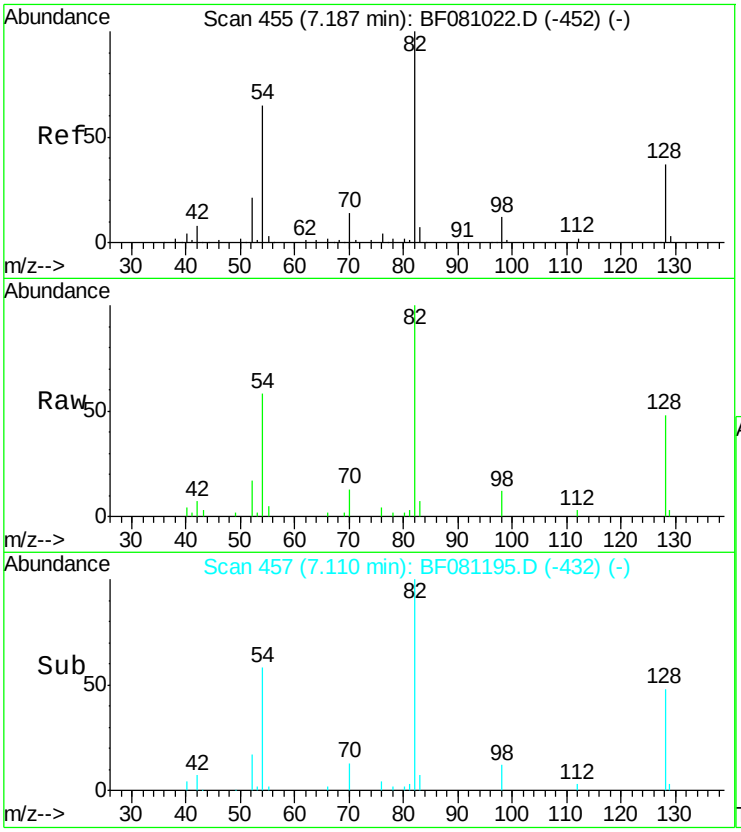




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:136 Resp: 260554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.2 | 12.2 |
| 54 | 8.2 | 7.7 | 11.5 |
| 68 | 4.8 | 3.4 | 5.2 |



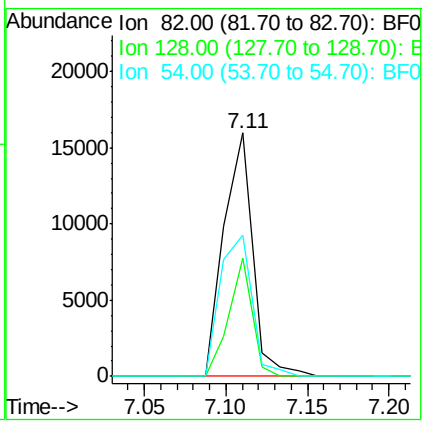


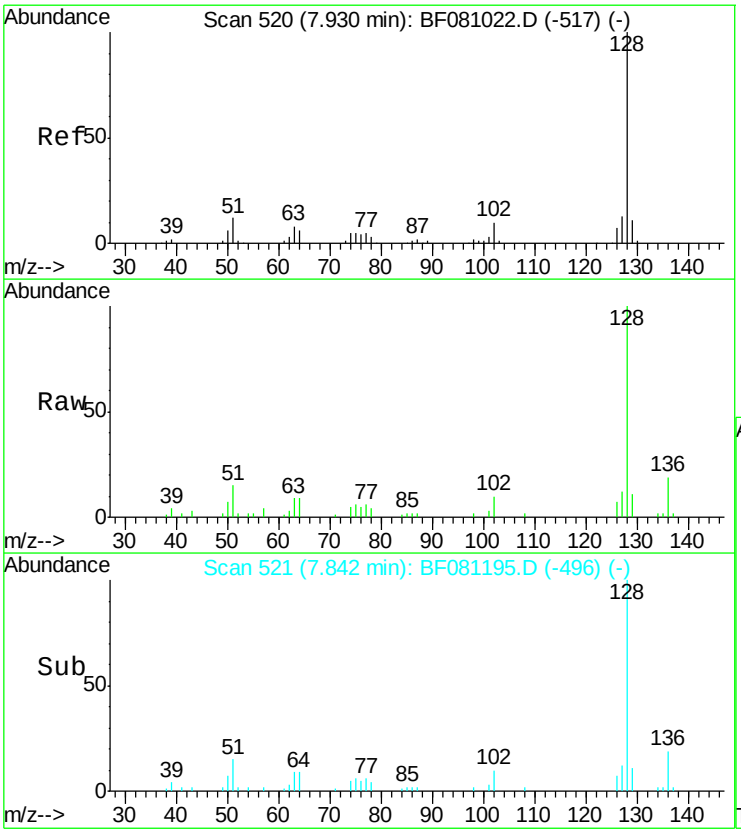

#23
Nitrobenzene-d5
Concen: 3.41 ng
RT: 7.11 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion: 82 Resp: 19446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.5 | 28.6 | 42.8# |
| 54 | 57.8 | 55.1 | 82.7 |

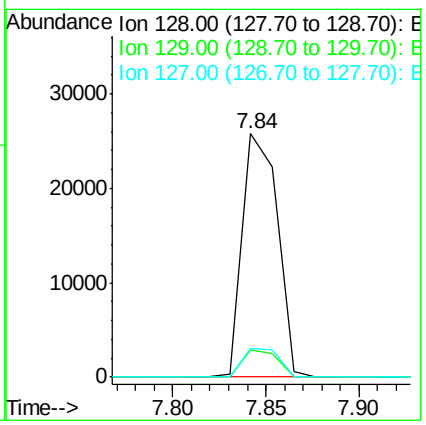


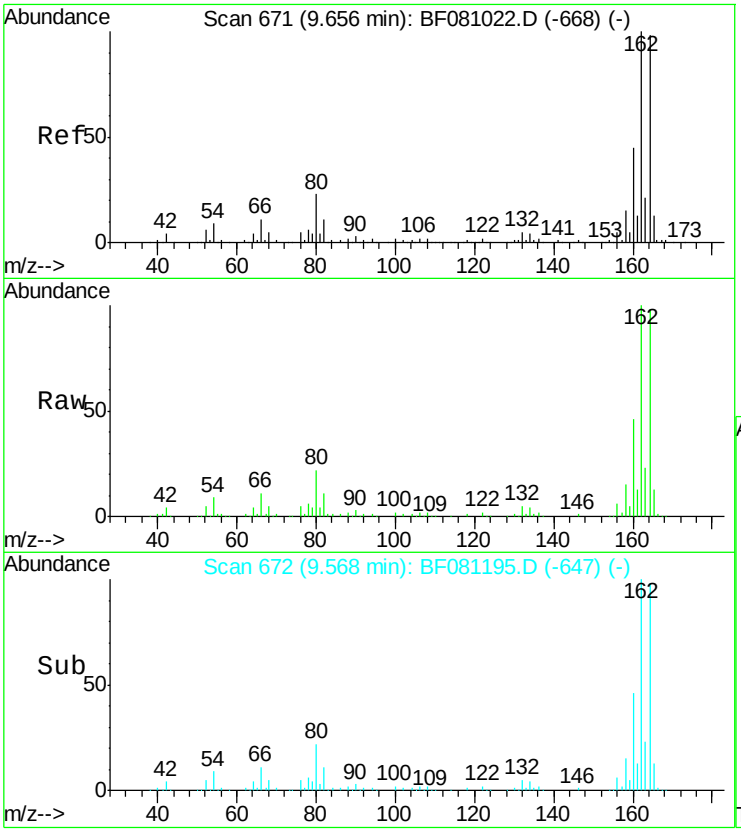




#31
Naphthalene
Concen: 2.31 ng
RT: 7.84 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:128 Resp: 33557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.4 | 12.6 |
| 127 | 11.8 | 10.6 | 16.0 |



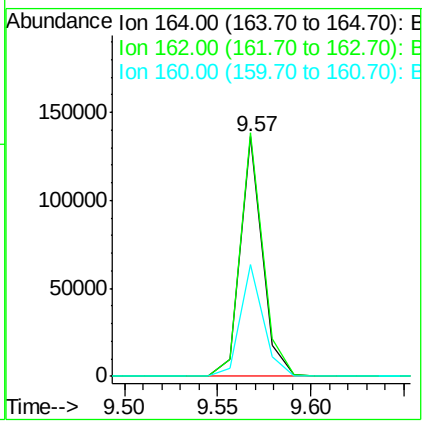


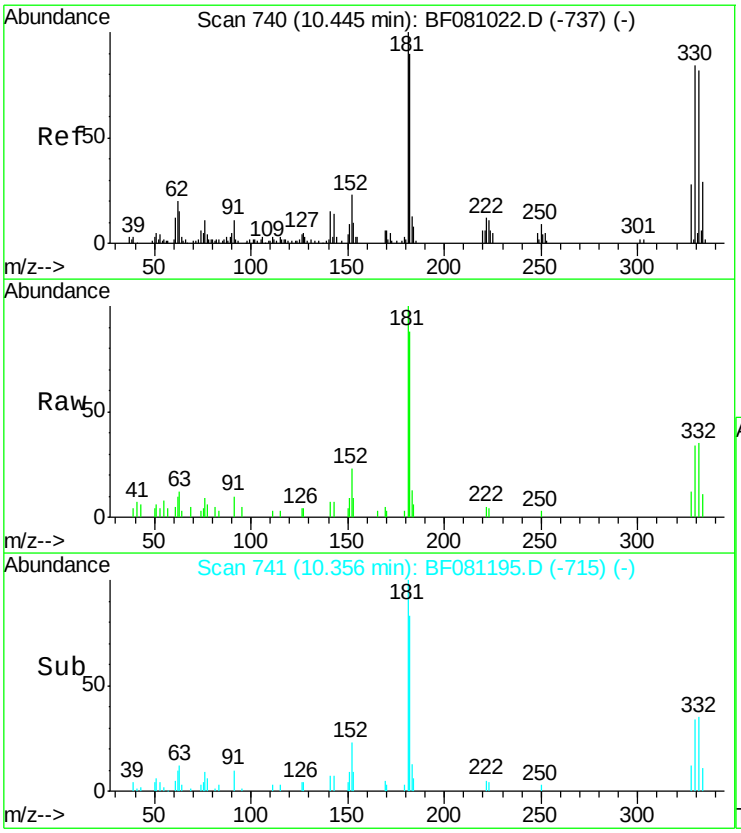

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:164 Resp: 112794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 83.8 | 125.8 |
| 160 | 46.5 | 39.8 | 59.8 |

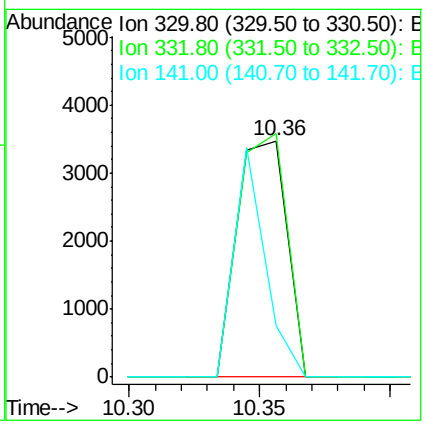


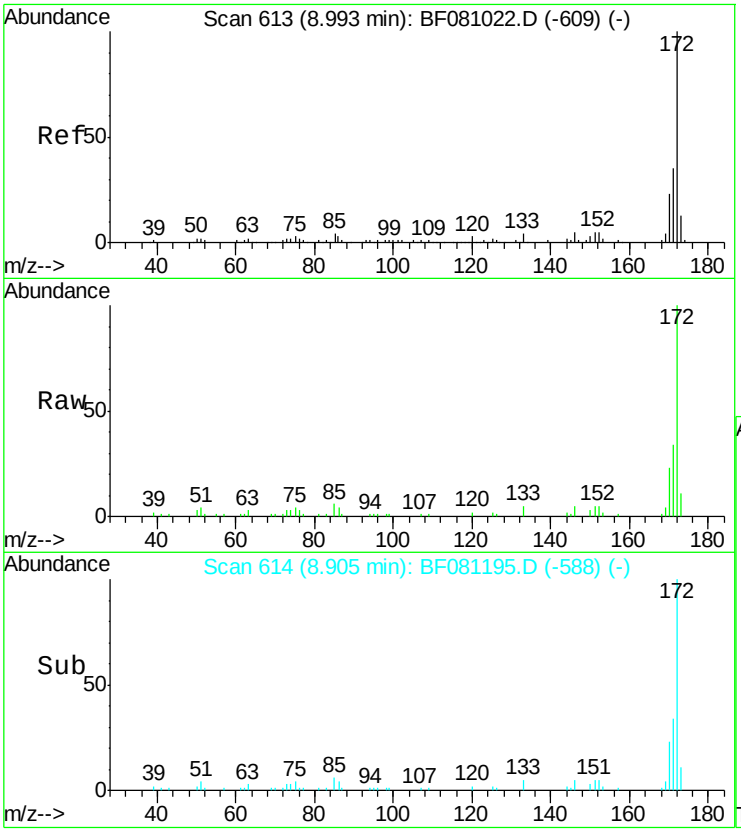




#41
2,4,6-Tribromophenol
Concen: 4.77 ng
RT: 10.36 min Scan# 741
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:330 Resp: 4668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 101.1 | 77.3 | 115.9 |
| 141 | 60.8 | 44.9 | 67.3 |



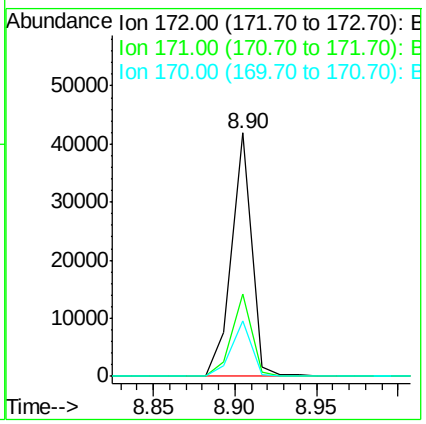


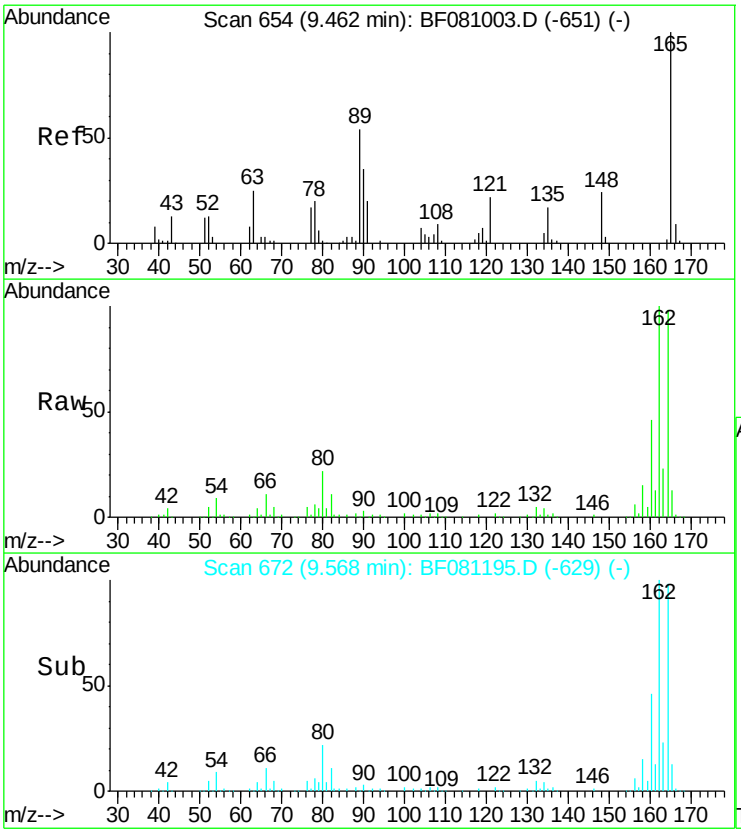

#44
2-Fluorobiphenyl
Concen: 4.13 ng
RT: 8.90 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:172 Resp: 35542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.8 | 28.9 | 43.3 |
| 170 | 22.6 | 19.4 | 29.2 |

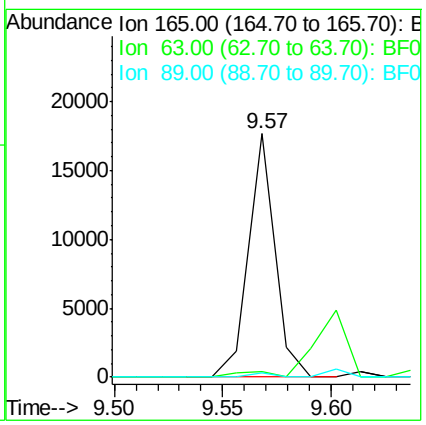


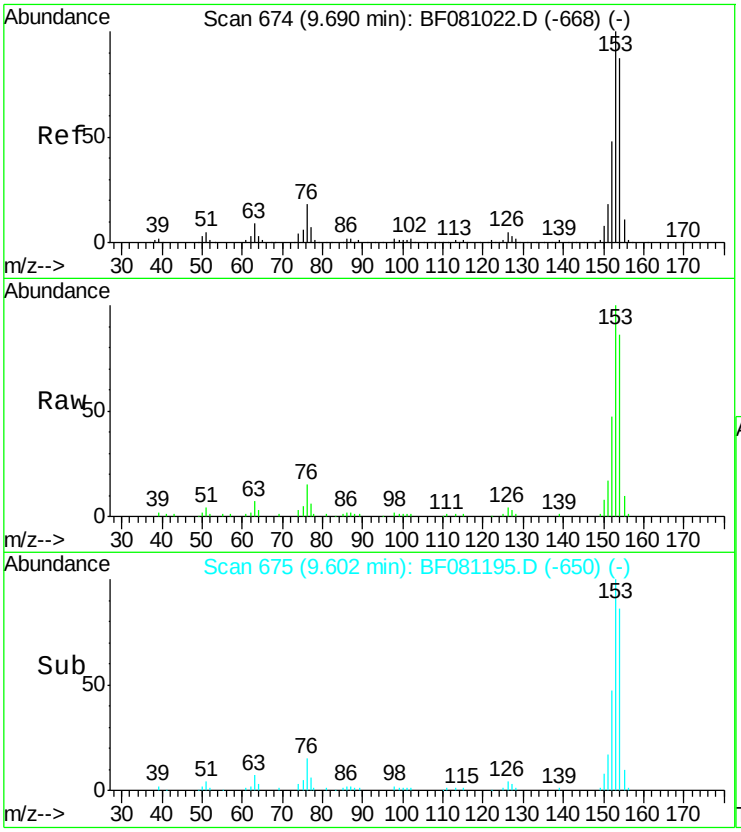




#50
2,6-Dinitrotoluene
Concen: 7.47 ng
RT: 9.57 min Scan# 672
Delta R.T. 0.19 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:165 Resp: 14903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.0 | 49.5 | 74.3# |
| 89 | 1.8 | 47.6 | 71.4# |



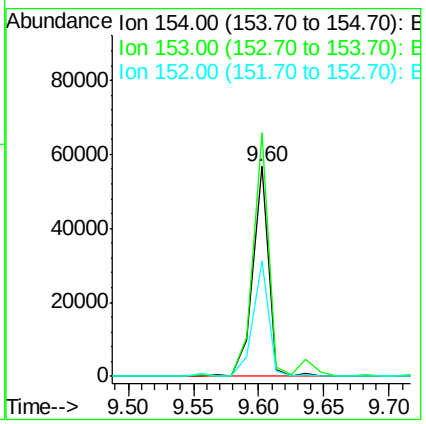


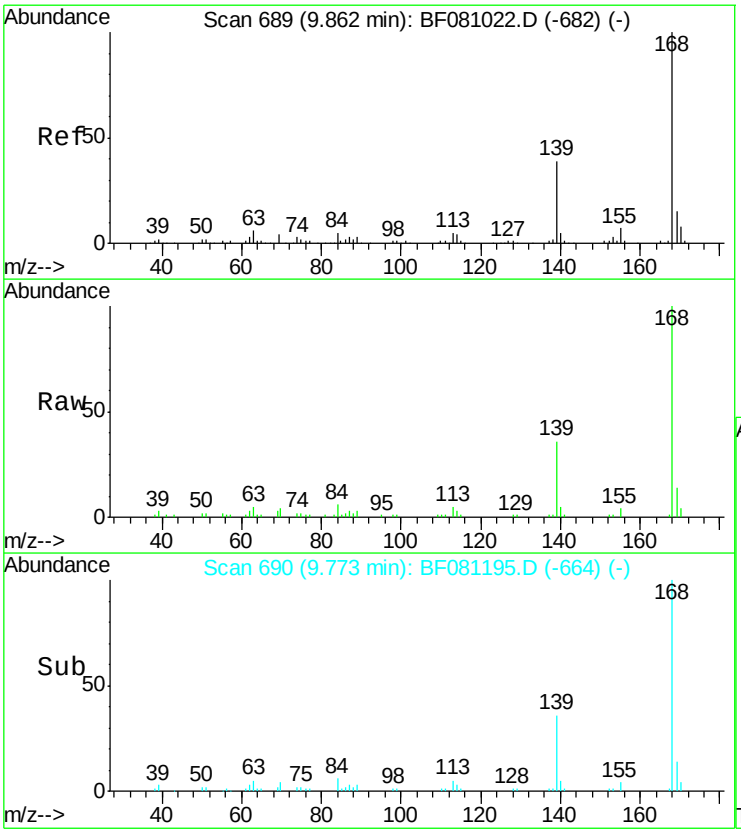

#51
Acenaphthene
Concen: 5.59 ng
RT: 9.60 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:154 Resp: 47797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.1 | 91.4 | 137.2 |
| 152 | 54.9 | 43.7 | 65.5 |

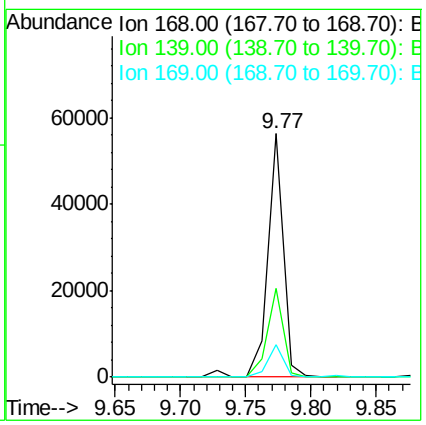


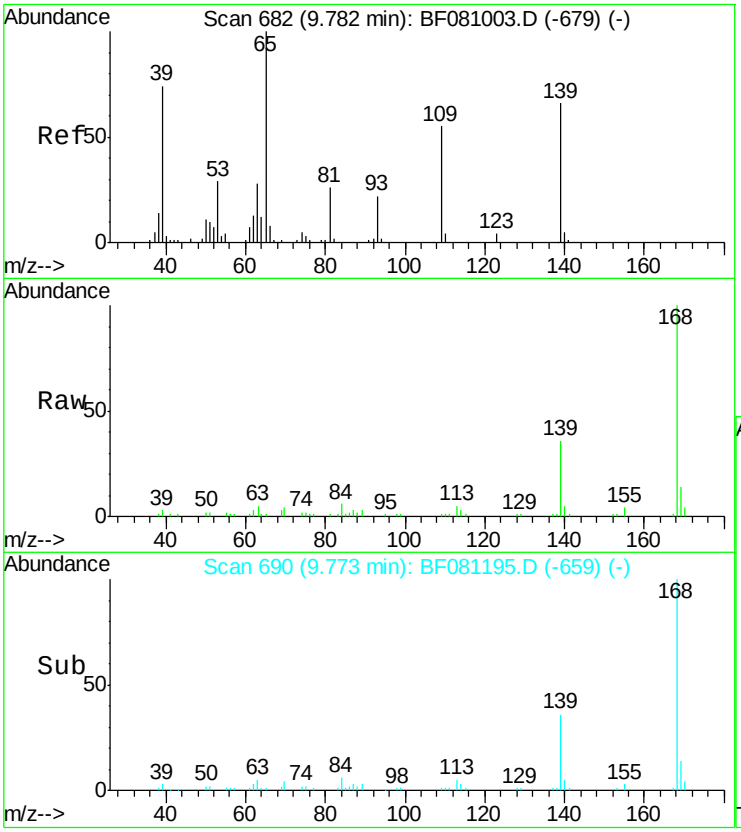




#54
Dibenzofuran
Concen: 4.16 ng
RT: 9.77 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:168 Resp: 47676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.4 | 29.3 | 43.9 |
| 169 | 13.6 | 10.3 | 15.5 |



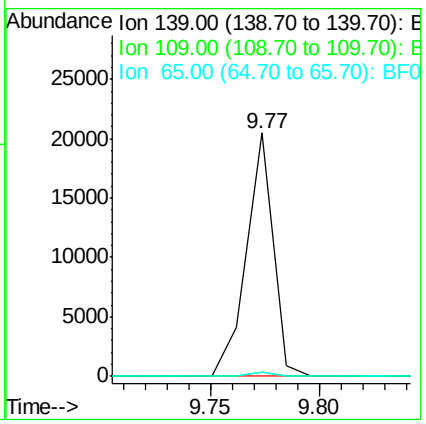


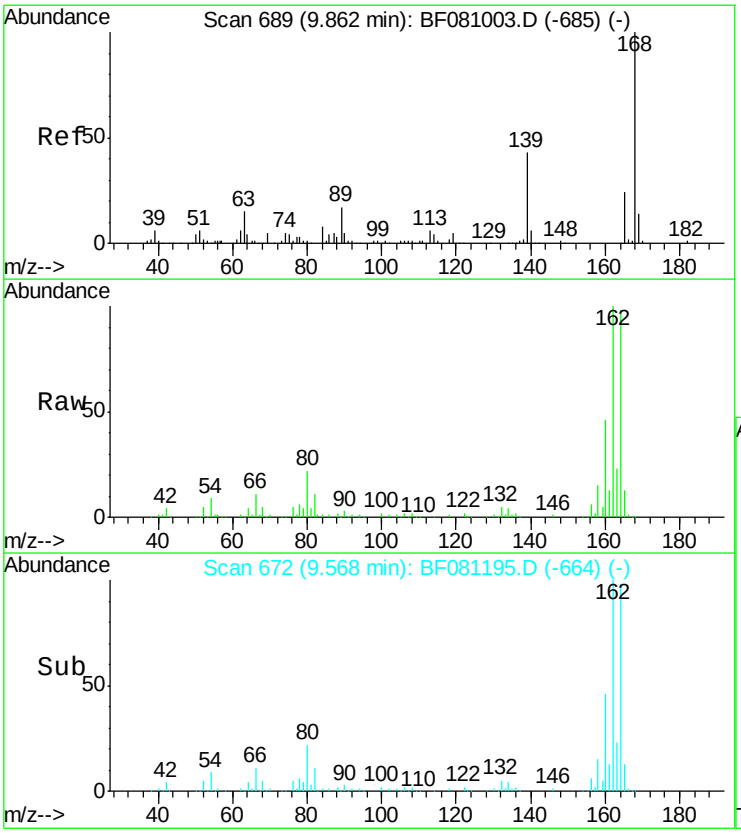

#55
4-Nitrophenol
Concen: 10.01 ng
RT: 9.77 min Scan# 690
Delta R.T. 0.06 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:139 Resp: 17538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 1.9 | 80.0 | 120.0# |
| 65 | 1.7 | 138.3 | 178.3# |

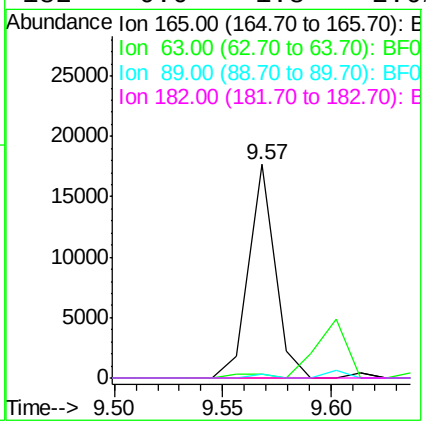


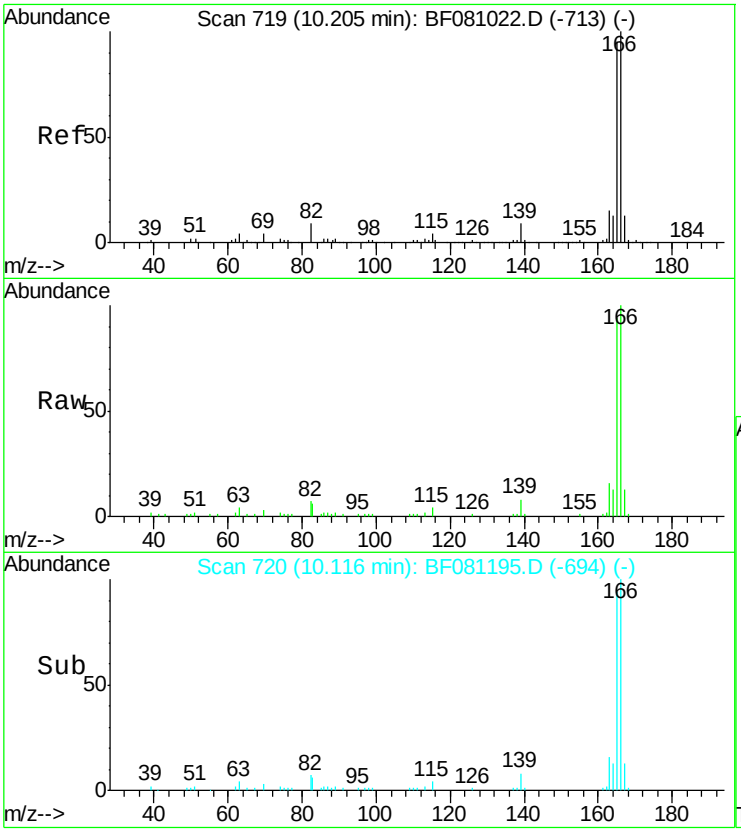




#56
2,4-Dinitrotoluene
Concen: 5.64 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.21 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:165 Resp: 14903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.0 | 52.2 | 78.4# |
| 89 | 1.8 | 60.1 | 90.1# |
| 182 | 0.0 | 1.8 | 2.6# |



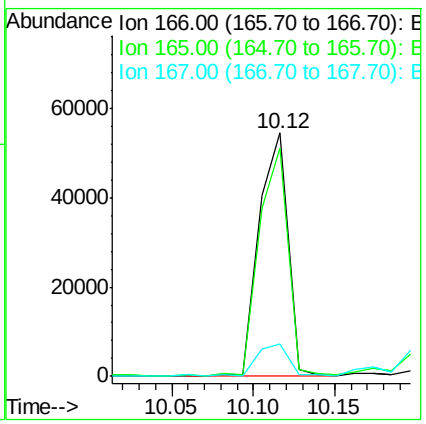


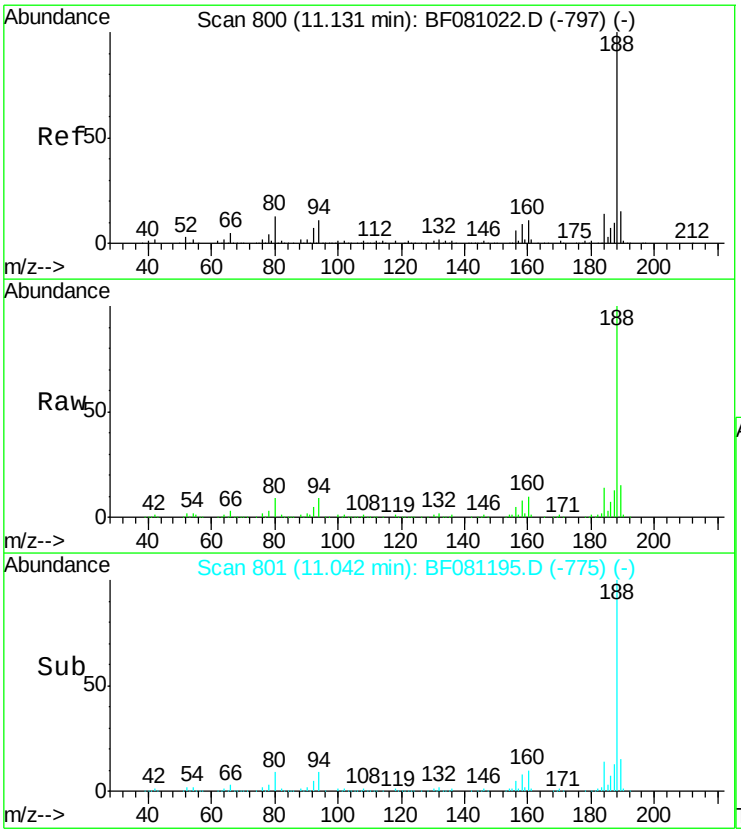

#57
Fluorene
Concen: 7.61 ng
RT: 10.12 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:166 Resp: 67018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.5 | 75.8 | 113.8 |
| 167 | 13.3 | 11.3 | 16.9 |

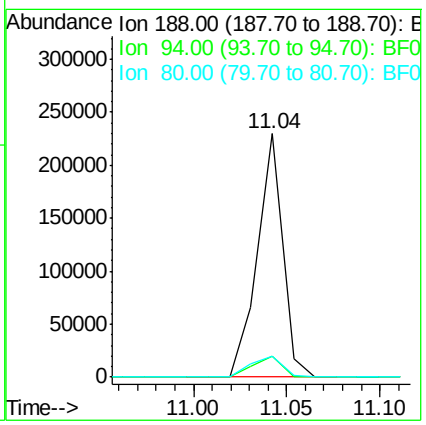


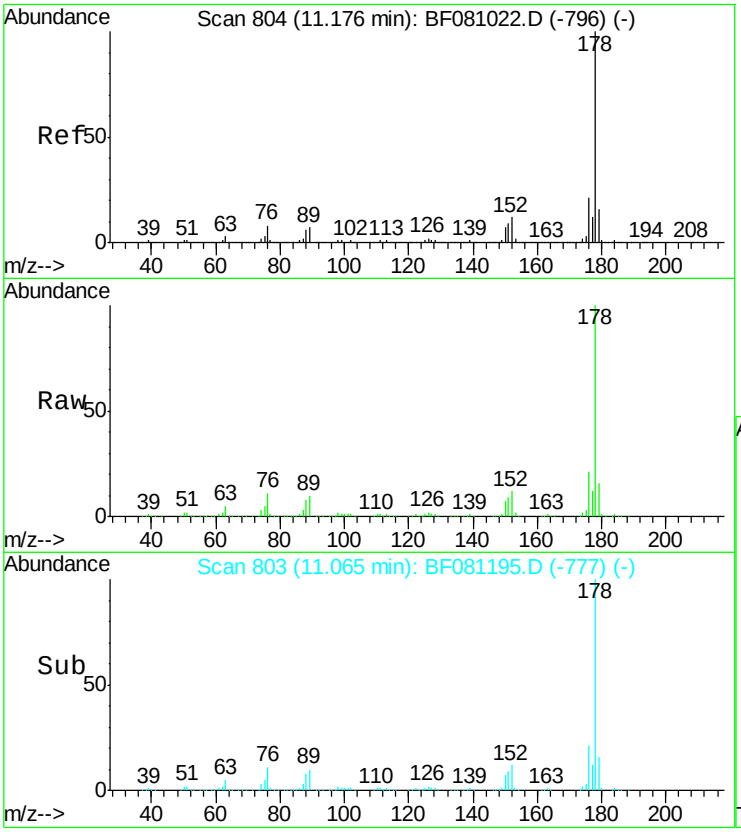




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:188 Resp: 215361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 8.2 | 12.2 |
| 80 | 8.7 | 9.5 | 14.3# |



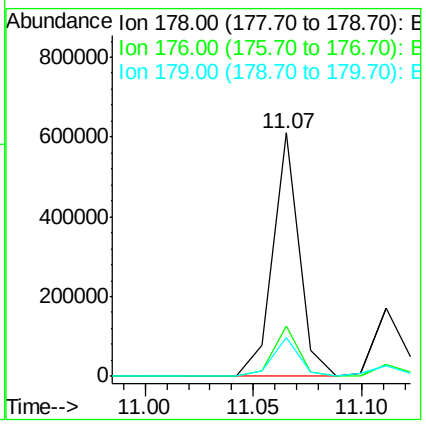


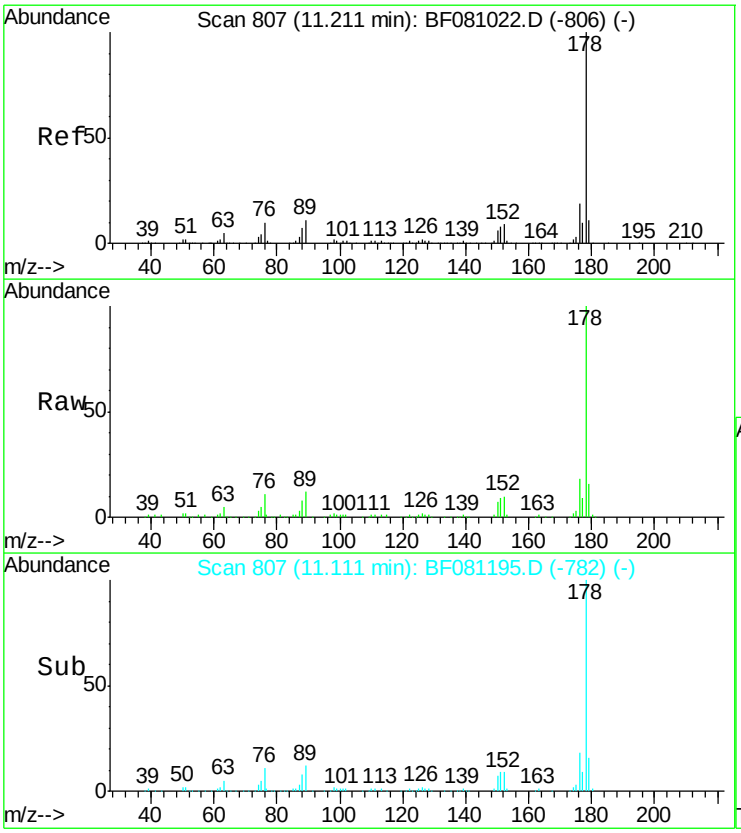

#70
Phenanthrene
Concen: 40.54 ng
RT: 11.07 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:178 Resp: 517478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.6 | 15.7 | 23.5 |
| 179 | 15.8 | 12.2 | 18.2 |

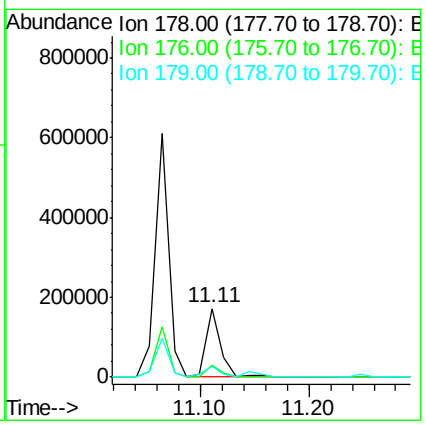


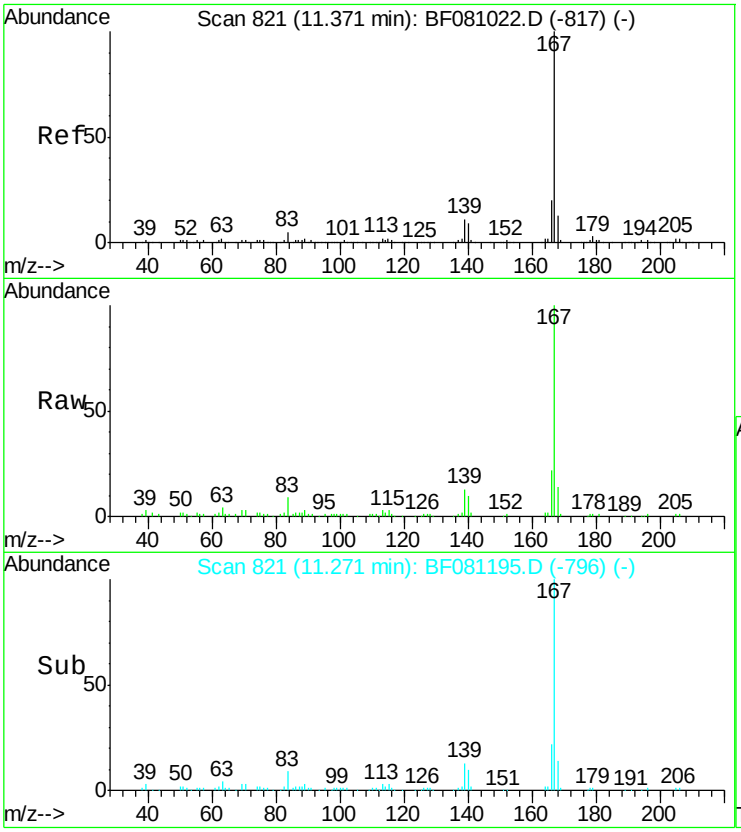




#71
Anthracene
Concen: 13.24 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:178 Resp: 164450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.7 | 23.5 |
| 179 | 16.0 | 12.7 | 19.1 |



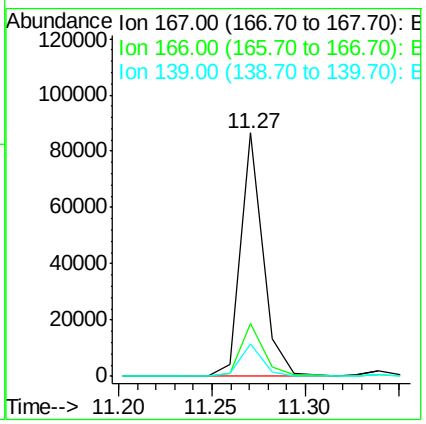


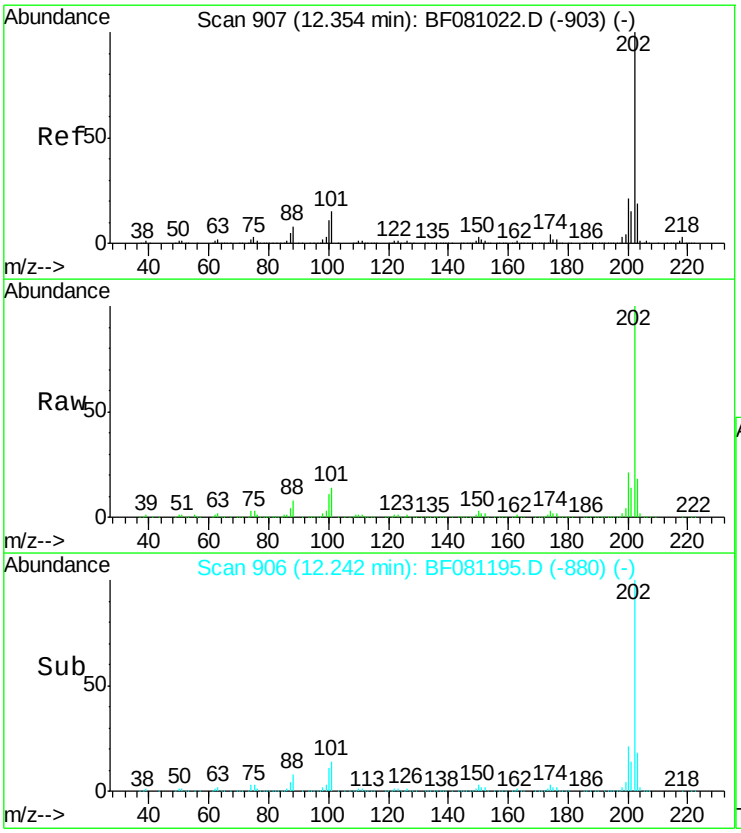

#72
Carbazole
Concen: 6.07 ng
RT: 11.27 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:167 Resp: 72586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.0 |
| 139 | 13.2 | 10.6 | 16.0 |

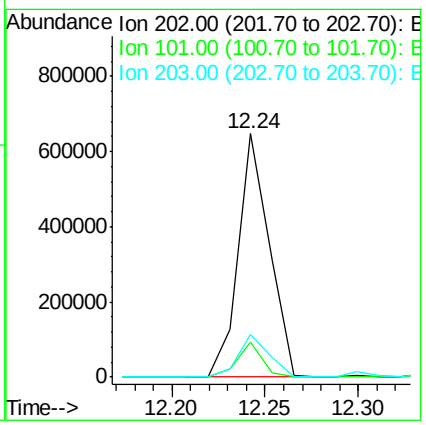


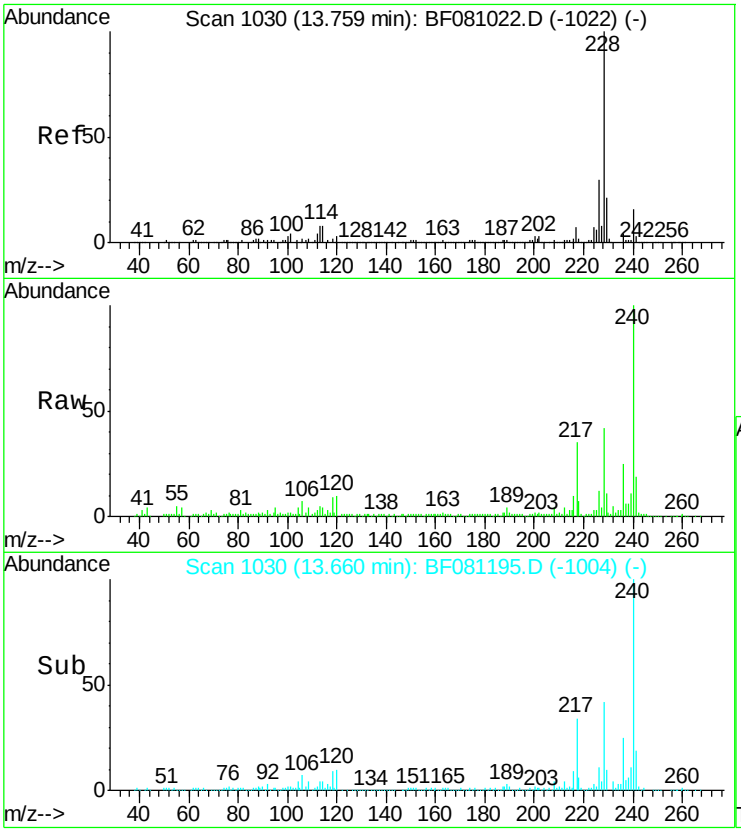




#74
Fluoranthene
Concen: 54.11 ng
RT: 12.24 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:202 Resp: 745259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 0.0 | 24.8 |
| 203 | 17.8 | 0.0 | 36.9 |



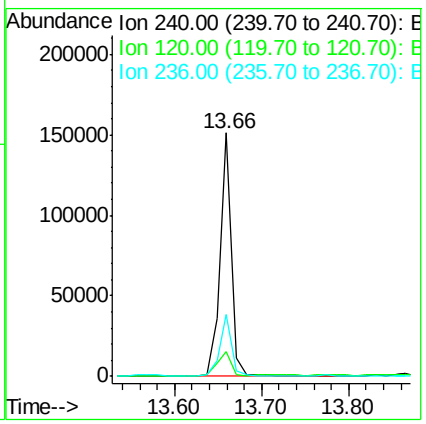


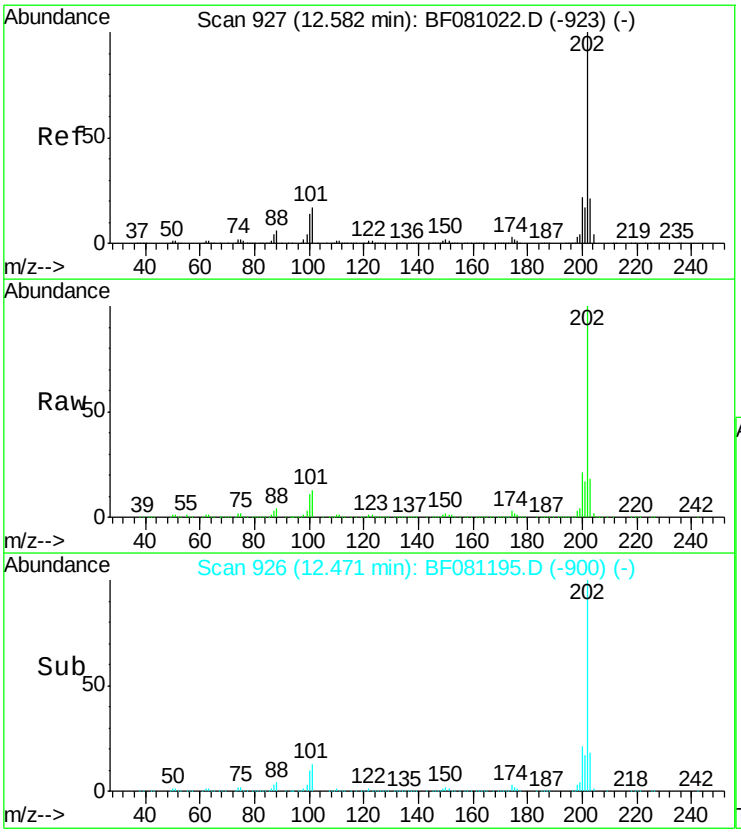

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.66 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:240 Resp: 141511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 5.6 | 8.4# |
| 236 | 25.4 | 20.6 | 30.8 |

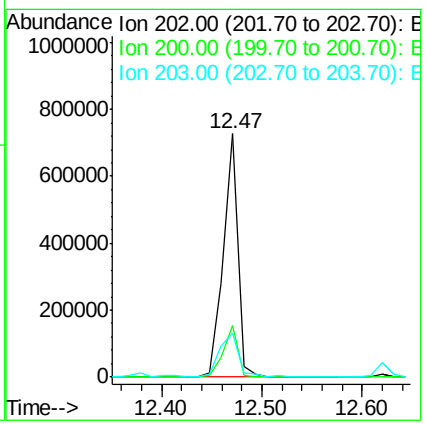


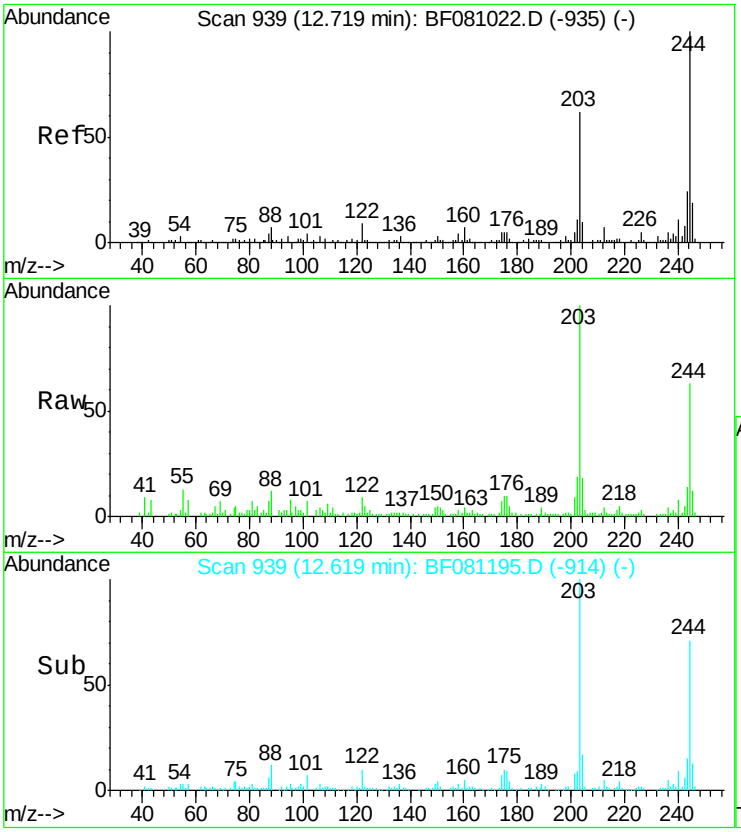




#77
Pyrene
Concen: 63.22 ng
RT: 12.47 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:202 Resp: 727236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.6 | 24.8 |
| 203 | 18.2 | 14.1 | 21.1 |



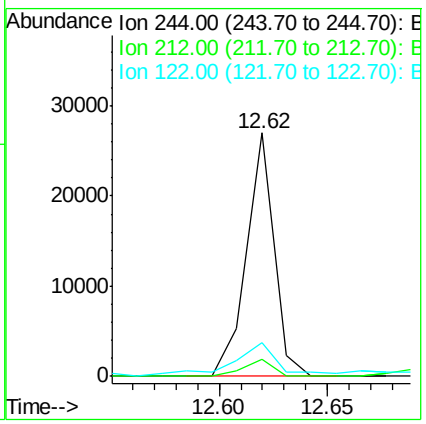


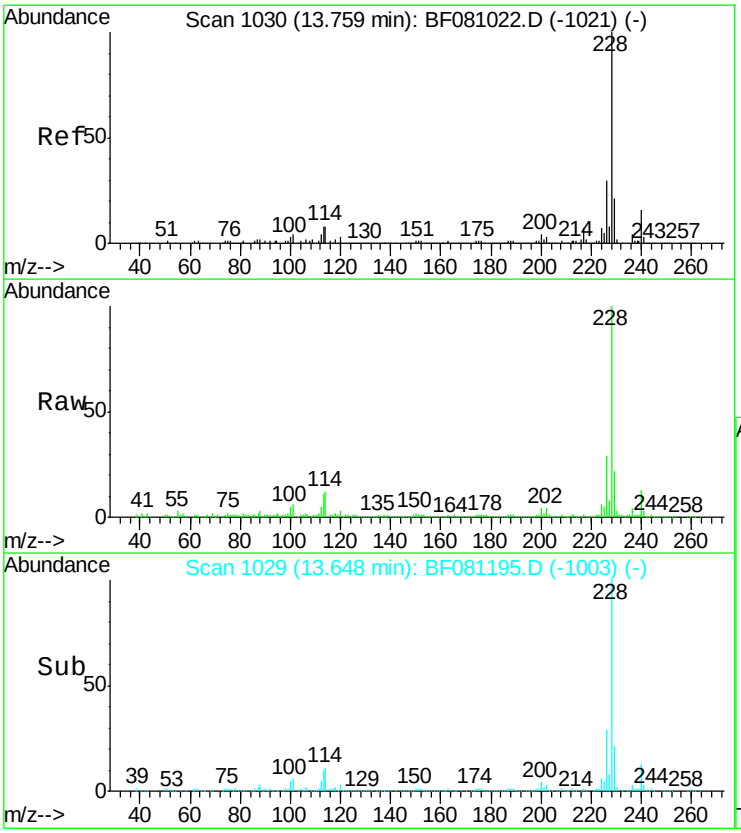

#78
Terphenyl-d14
Concen: 3.60 ng
RT: 12.62 min Scan# 939
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:244 Resp: 23741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.8 | 8.8 |
| 122 | 13.9 | 8.2 | 12.4# |

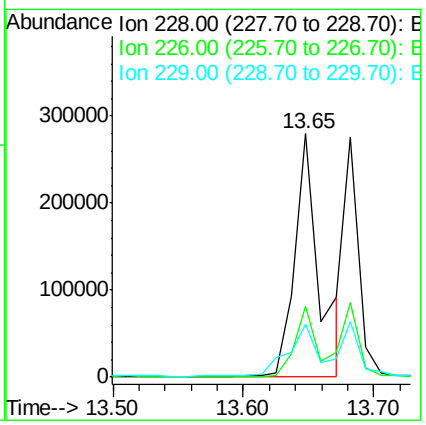


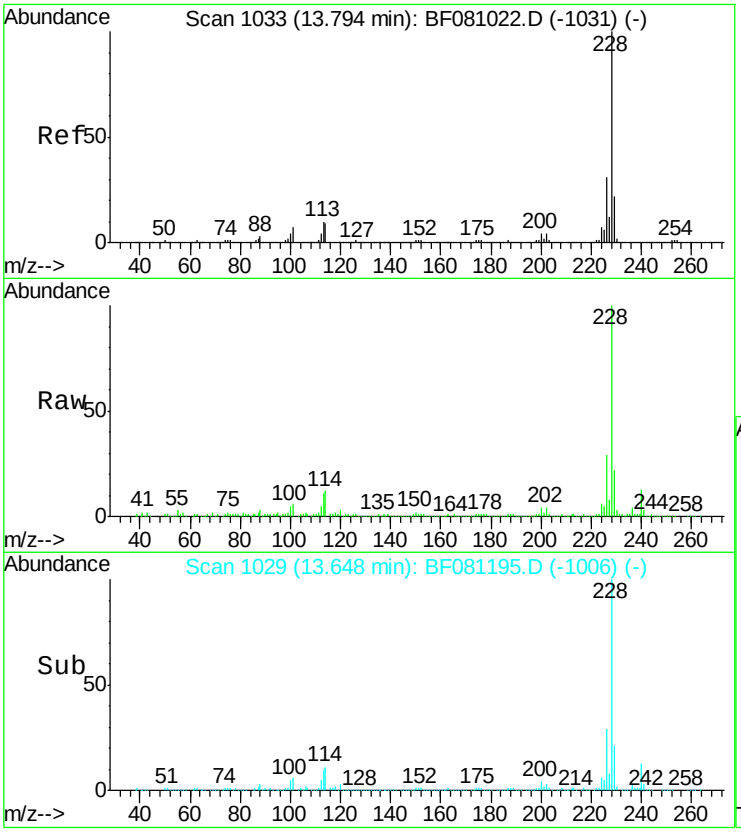




#80
Benzo(a)anthracene
Concen: 38.69 ng
RT: 13.65 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:228 Resp: 367170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 22.3 | 33.5 |
| 229 | 21.6 | 15.9 | 23.9 |



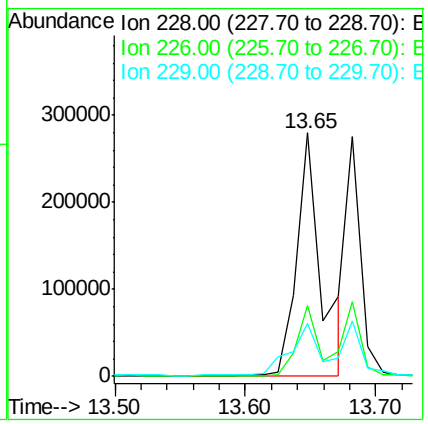


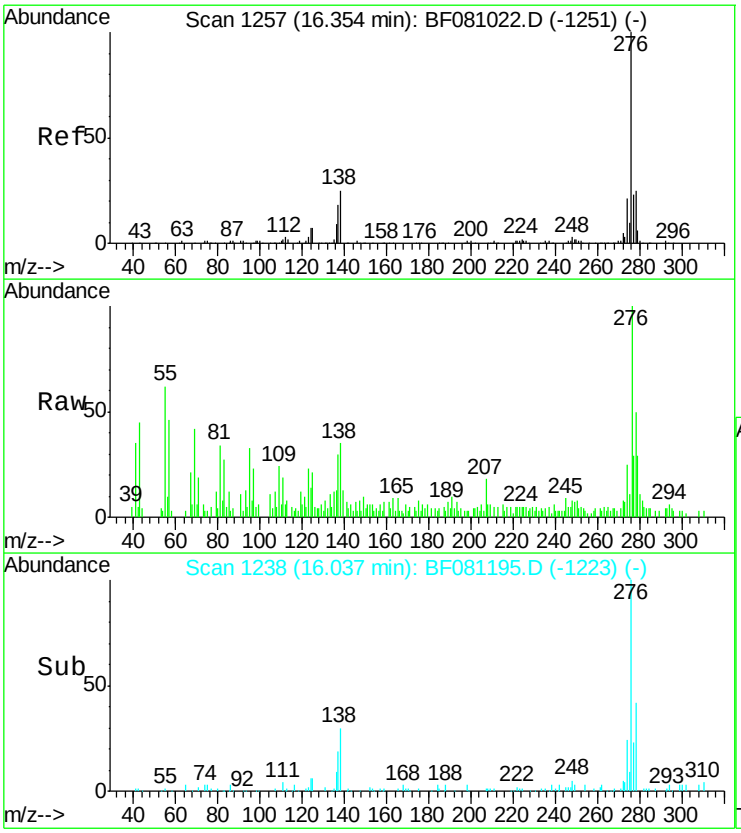

#82
Chrysene
Concen: 42.93 ng
RT: 13.65 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:228 Resp: 367170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 24.4 | 36.6 |
| 229 | 21.6 | 16.0 | 24.0 |

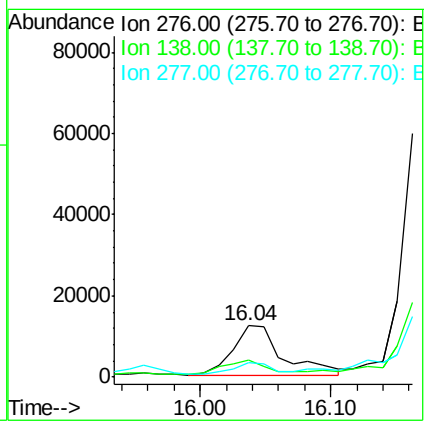


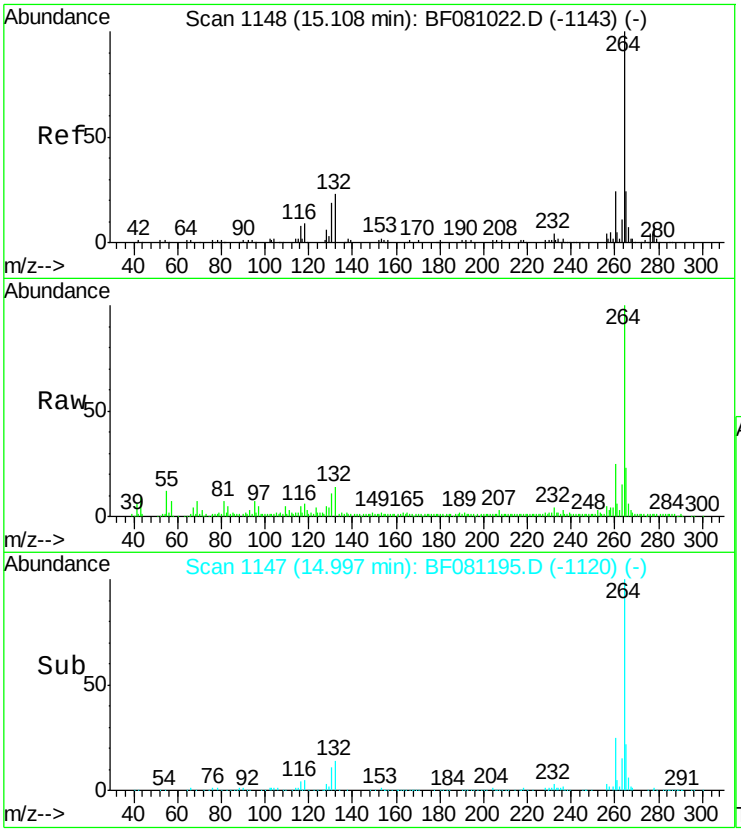




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.32 ng
RT: 16.04 min Scan# 1238
Delta R.T. -0.13 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:276 Resp: 31937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.0 | 18.6 | 28.0 |
| 277 | 20.6 | 19.8 | 29.8 |



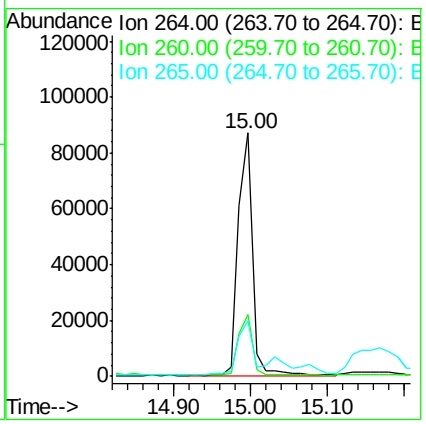


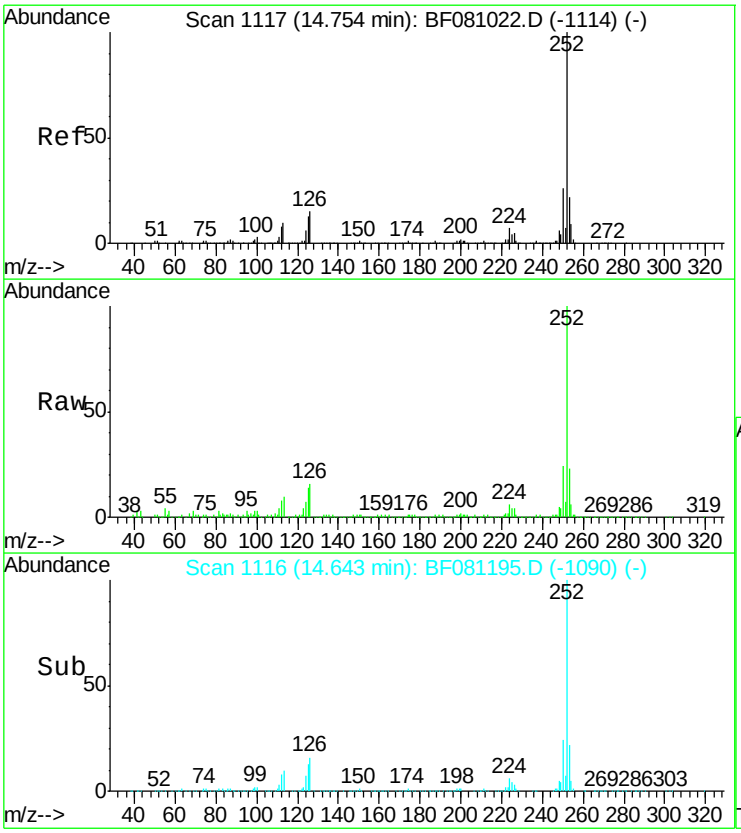

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.00 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:264 Resp: 117787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.3 | 19.6 | 29.4 |
| 265 | 22.8 | 17.5 | 26.3 |

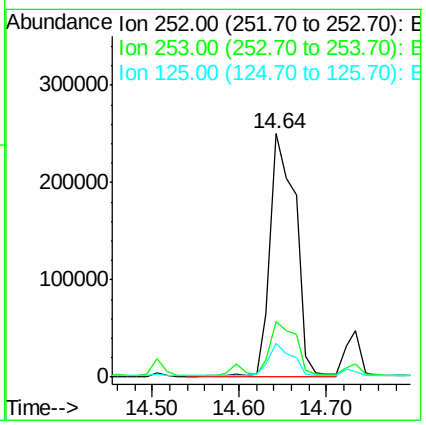


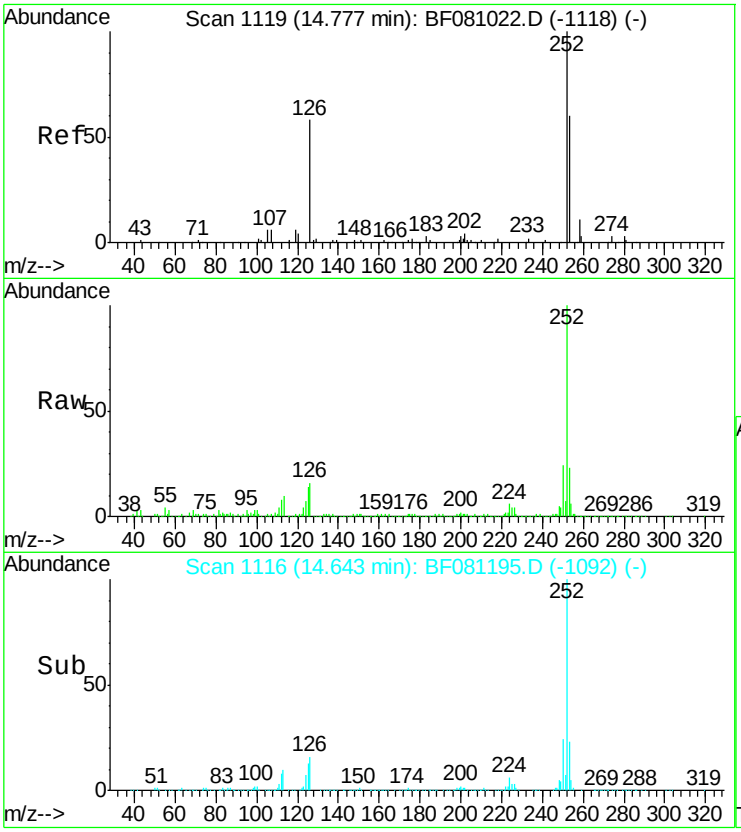




#87
Benzo(b)fluoranthene
Concen: 60.68 ng
RT: 14.64 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:252 Resp: 505555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.1 | 25.7 |
| 125 | 13.9 | 8.0 | 12.0# |



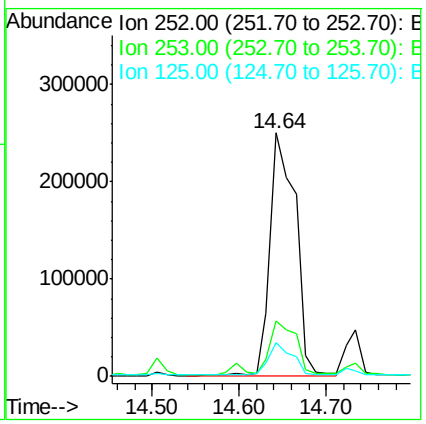


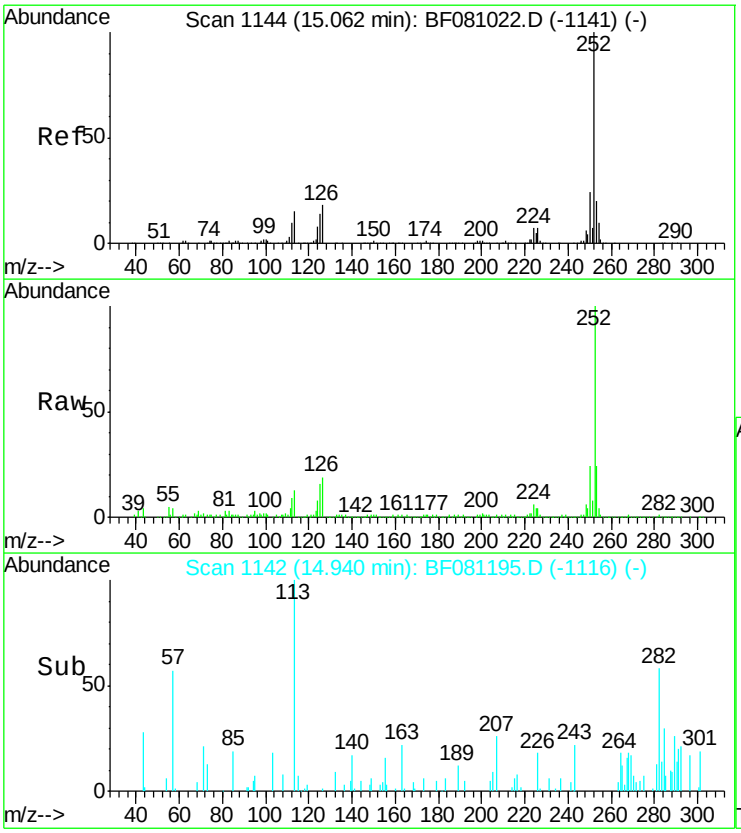

#88
Benzo(k)fluoranthene
Concen: 65.12 ng
RT: 14.64 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:252 Resp: 505555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.6 | 26.4 |
| 125 | 13.9 | 10.3 | 15.5 |

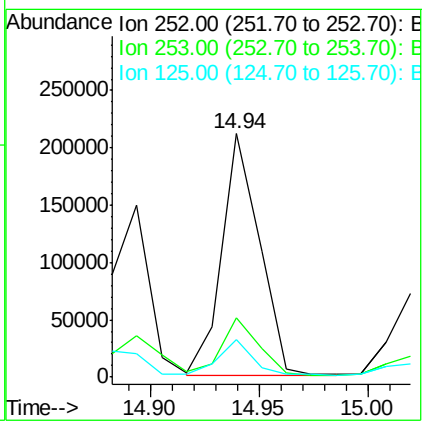


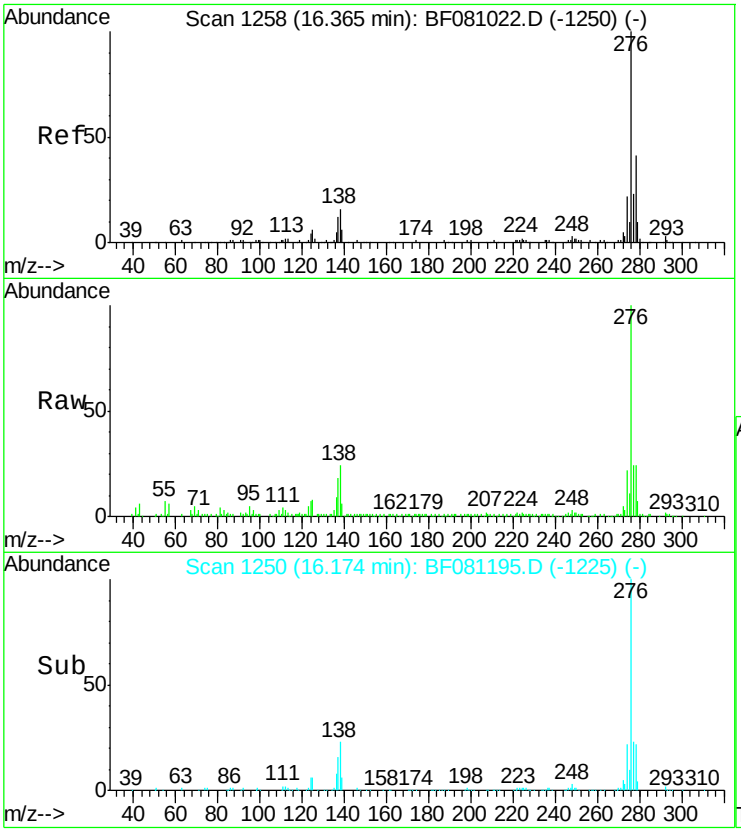




#89
Benzo(a)pyrene
Concen: 35.04 ng
RT: 14.94 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:252 Resp: 254343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 16.6 | 25.0 |
| 125 | 15.6 | 7.8 | 11.8# |



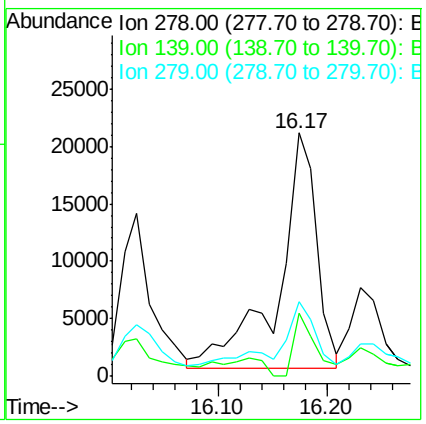


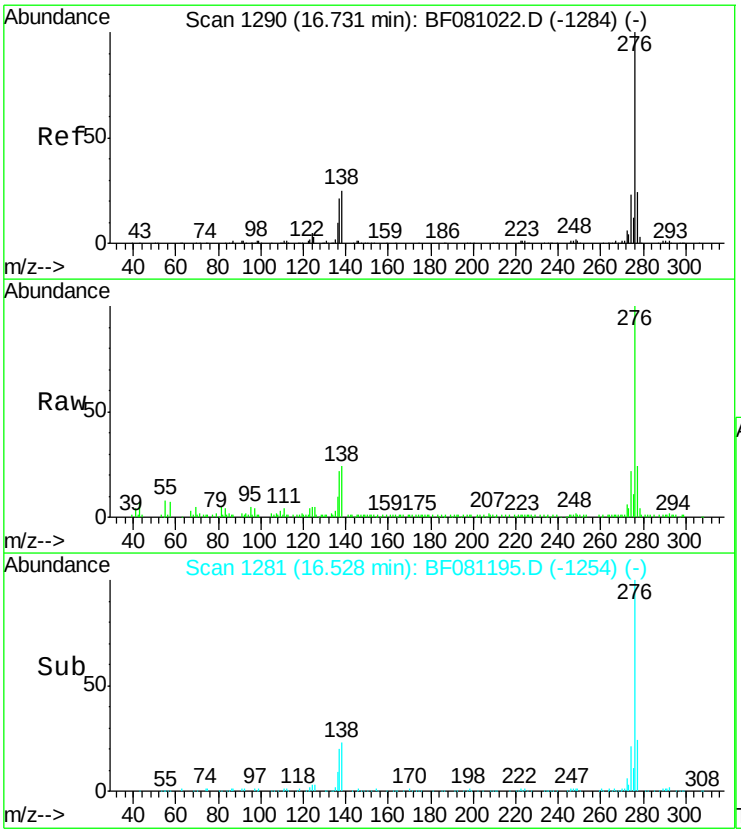

#90
Dibenzo(a,h)anthracene
Concen: 9.00 ng
RT: 16.17 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

**Instrument :**
BNA_F
**ClientSampleId :**
SS-01

Tgt Ion:278 Resp: 50897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 25.7 | 10.8 | 16.2# |
| 279 | 30.5 | 19.0 | 28.6# |




#91
Benzo(g,h,i)perylene
Concen: 24.48 ng
RT: 16.53 min Scan# 1281
Delta R.T. 0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion:276 Resp: 140459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 18.2 | 27.2 |
| 138 | 23.8 | 13.7 | 20.5# |