Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF040317\
Data File : BF094160.D
Acq On : 4 Apr 2017 10:48
Operator : SJ/MA
Sample : I2510-09 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Apr 04 11:51:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.89 | 152 | 169379 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.39 | 136 | 649374 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.53 | 164 | 248191 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 379041 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.63 | 240 | 294731 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 16.26 | 264 | 224297 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.42 | 112 | 457483 | 45.62 | ng | | -0.02 |
| 7) Phenol-d6 | 5.49 | 99 | 579230 | 46.69 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 6.53 | 82 | 306393 | 26.93 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.50 | 330 | 77261 | 39.39 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 8.72 | 172 | 643829 | 39.57 | ng | | -0.02 |
| 78) Terphenyl-d14 | 13.34 | 244 | 393226 | 29.91 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 6.53 | 70 | 41928 | 5.26 | ng | # | 75 |
| 31) Naphthalene | 7.42 | 128 | 181119 | 5.80 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.26 | 142 | 95352 | 4.58 | ng | | 97 |
| 48) Acenaphthylene | 9.36 | 152 | 573673 | 22.03 | ng | | 99 |
| 49) Dimethylphthalate | 9.21 | 163 | 63146 | 3.58 | ng | | 98 |
| 54) Dibenzofuran | 9.79 | 168 | 54051 | 2.61 | ng | # | 95 |
| 70) Phenanthrene | 11.39 | 178 | 528798 | 25.08 | ng | | 100 |
| 71) Anthracene | 11.45 | 178 | 447987 | 20.63 | ng | | 98 |
| 72) Carbazole | 11.65 | 167 | 189710 | 8.52 | ng | | 97 |
| 74) Fluoranthene | 12.87 | 202 | 2040131 | 94.49 | ng | | 100 |
| 77) Pyrene | 13.14 | 202 | 1838987 | 85.98 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.62 | 228 | 1018643 | 59.27 | ng | | 94 |
| 82) Chrysene | 14.66 | 228 | 1142985 | 71.66 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.61 | 276 | 473908 | 34.31 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.86 | 252 | 1823465 | 132.63 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.86 | 252 | 1823465 | 135.55 | ng | | 98 |
| 89) Benzo(a)pyrene | 16.20 | 252 | 641186 | 50.64 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.62 | 278 | 114430 | 10.67 | ng | | 93 |
| 91) Benzo(g,h,i)perylene | 18.01 | 276 | 409187 | 37.87 | ng | | 98 |

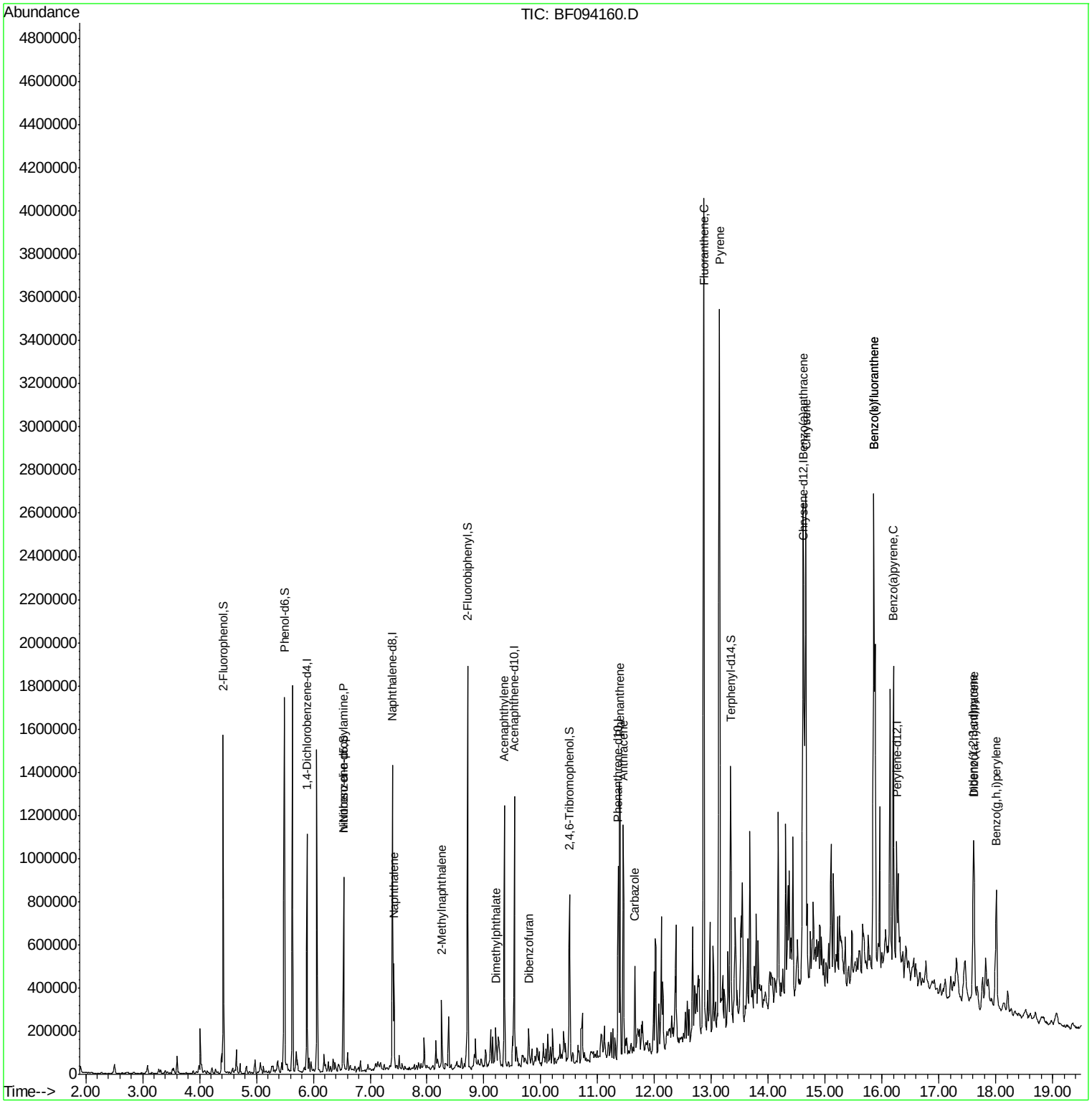
(#) = qualifier out of range (m) = manual integration (+) = signals summed

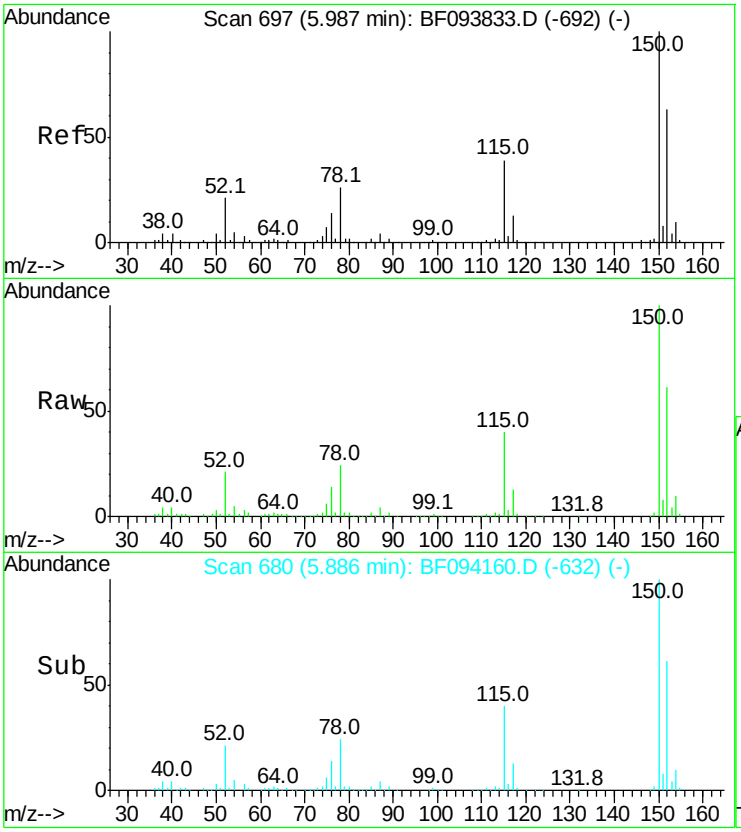
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF040317\
Data File : BF094160.D
Acq On : 4 Apr 2017 10:48
Operator : SJ/MA
Sample : I2510-09 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Apr 04 11:51:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration



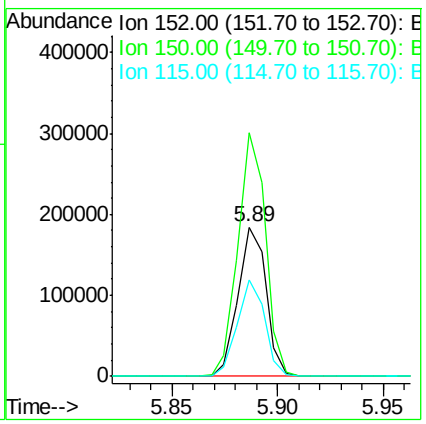


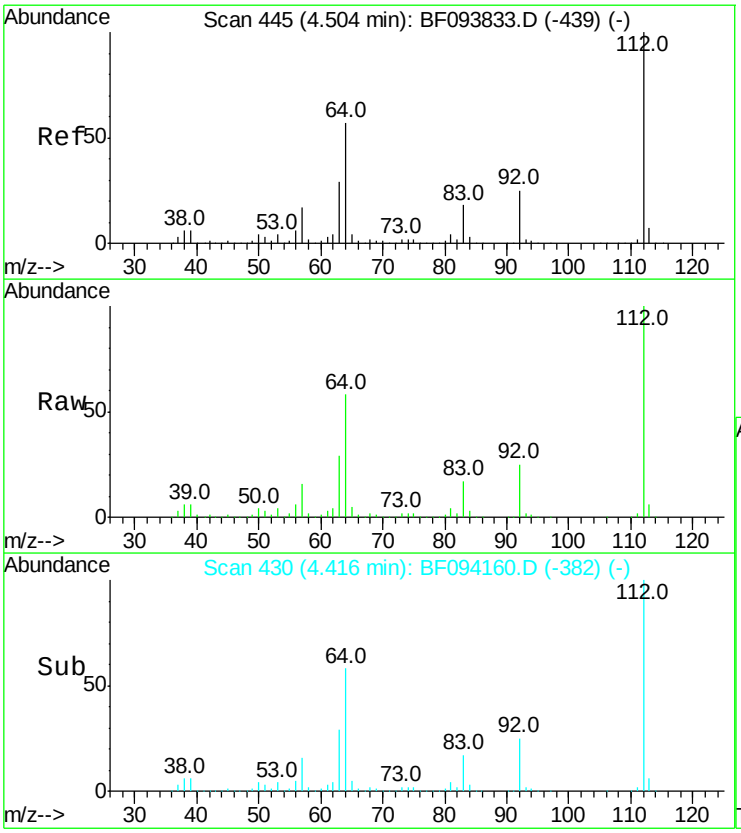

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 169379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.3 | 126.2 | 189.2 |
| 115 | 64.6 | 52.2 | 78.2 |

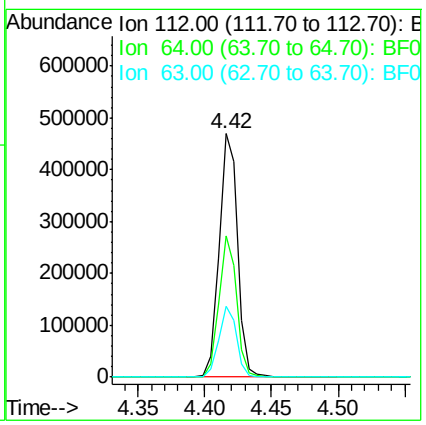


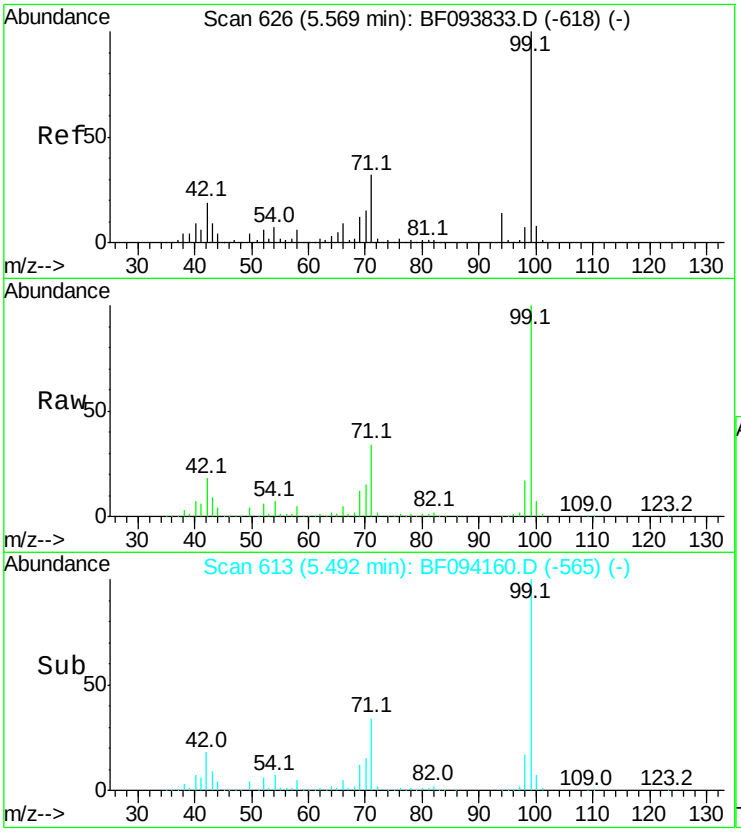




#5
2-Fluorophenol
Concen: 45.62 ng
RT: 4.42 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:112 Resp: 457483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.0 | 46.0 | 69.0 |
| 63 | 29.1 | 23.4 | 35.0 |



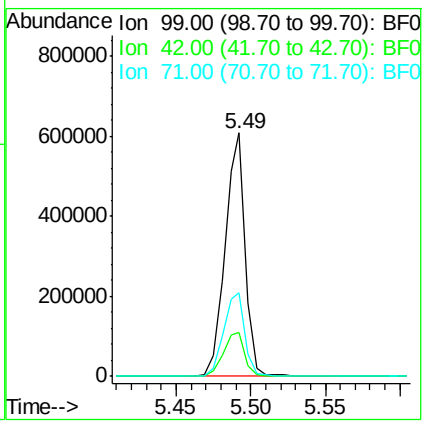


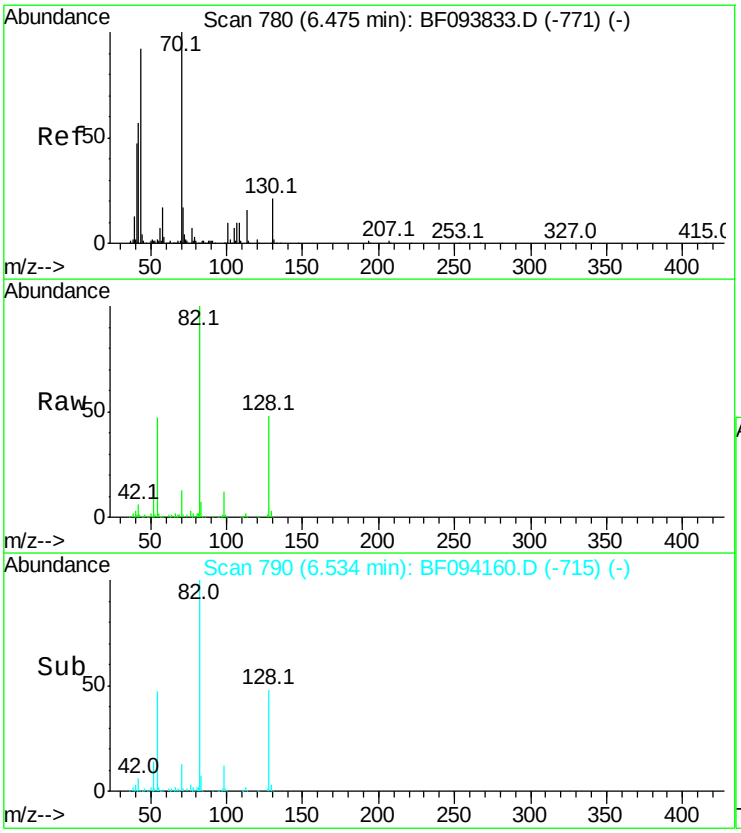

#7
Phenol-d6
Concen: 46.69 ng
RT: 5.49 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 579230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 13.5 | 20.3 |
| 71 | 34.4 | 24.5 | 36.7 |

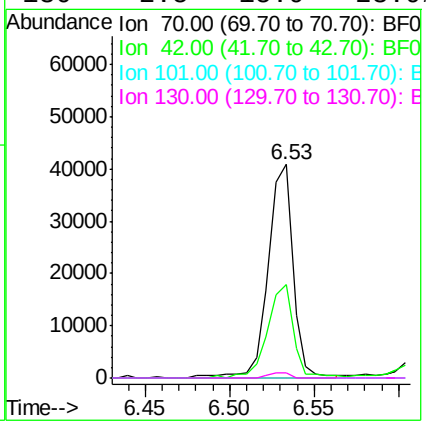


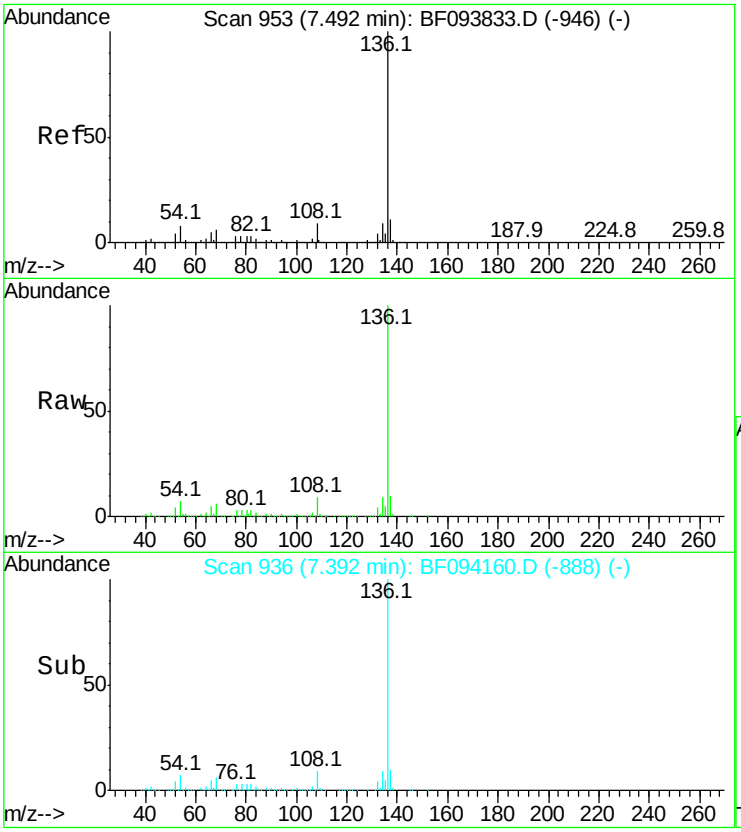




#19
n-Nitroso-di-n-propylamine
Concen: 5.26 ng
RT: 6.53 min Scan# 790
Delta R.T. 0.14 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion: 70 Resp: 41928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.8 | 47.2 | 70.8# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.5 | 15.9 | 23.9# |



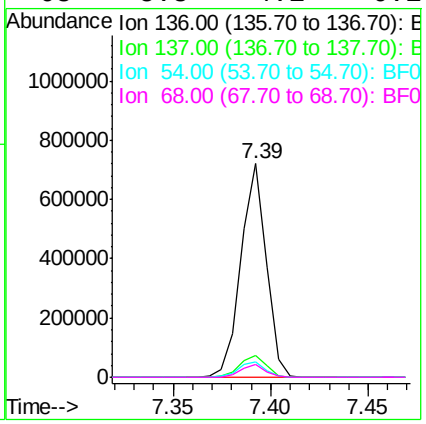


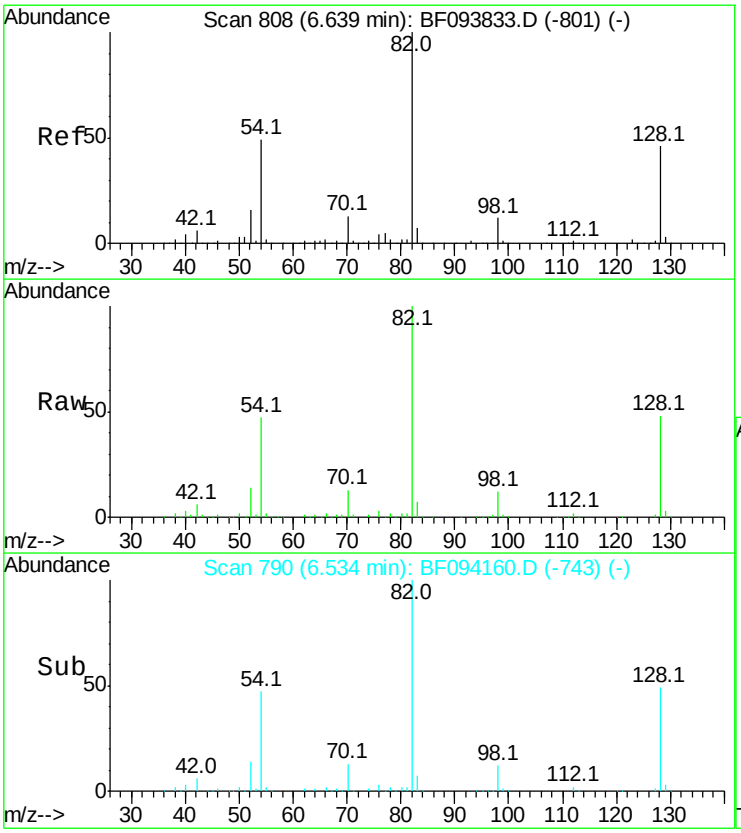

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.39 min Scan# 936
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:136 Resp: 649374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.5 | 12.7 |
| 54 | 7.3 | 4.9 | 7.3 |
| 68 | 5.8 | 4.1 | 6.1 |

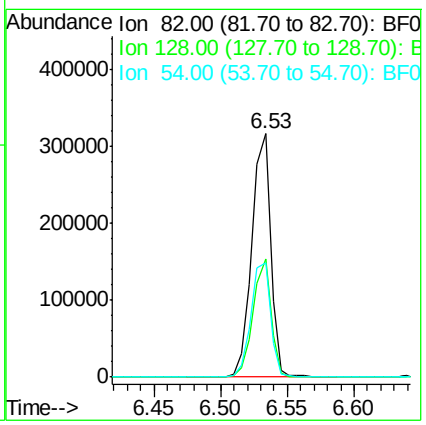


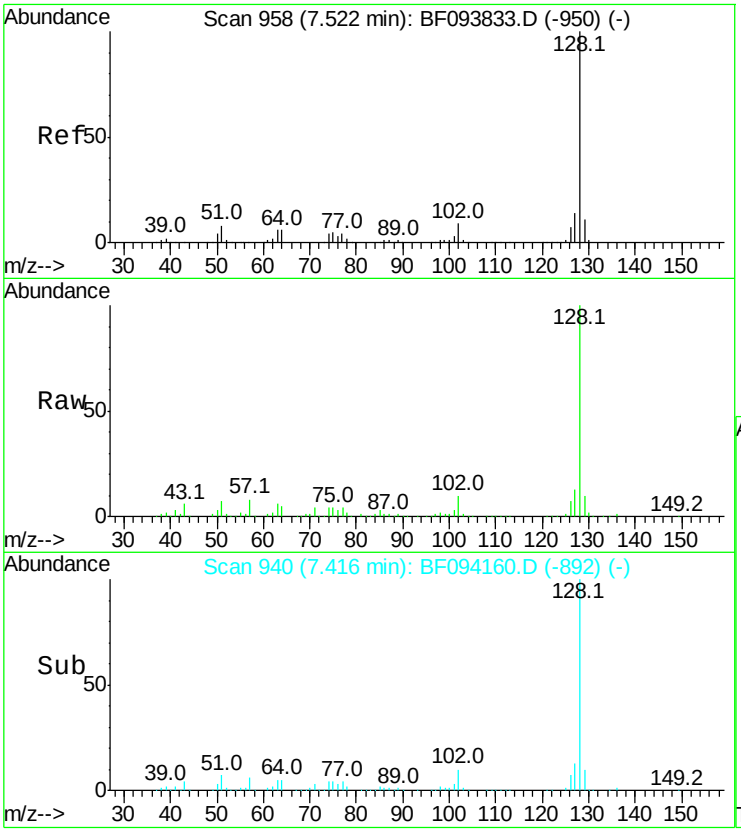




#23
Nitrobenzene-d5
Concen: 26.93 ng
RT: 6.53 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion: 82 Resp: 306393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.4 | 34.0 | 51.0 |
| 54 | 47.2 | 42.2 | 63.2 |



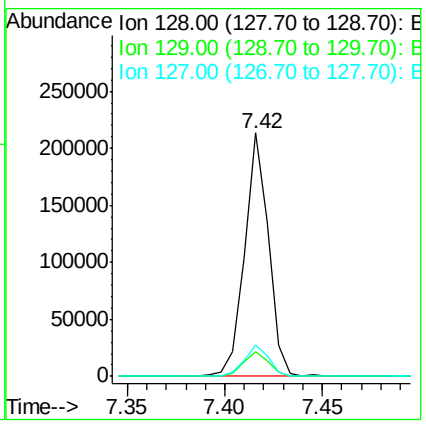


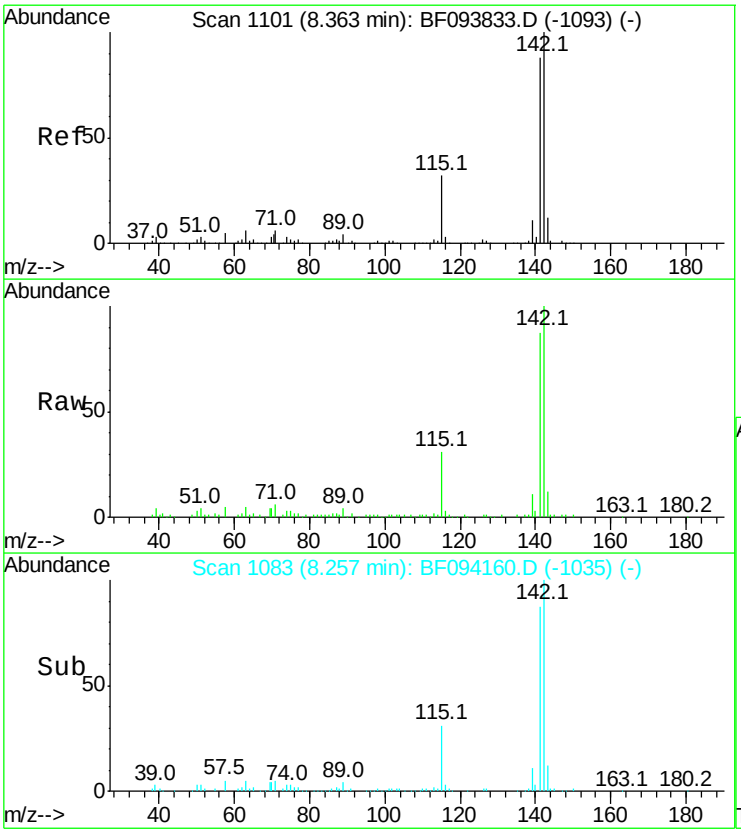

#31
Naphthalene
Concen: 5.80 ng
RT: 7.42 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:128 Resp: 181119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.4 | 9.0 | 13.6 |
| 127 | 12.9 | 10.8 | 16.2 |

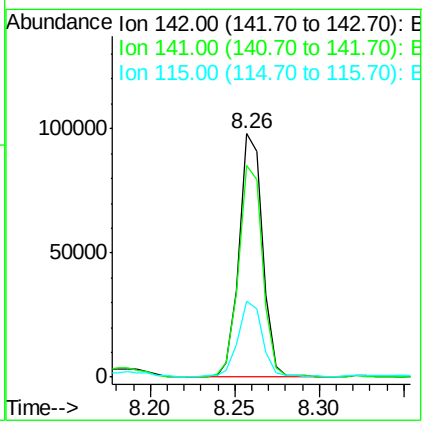


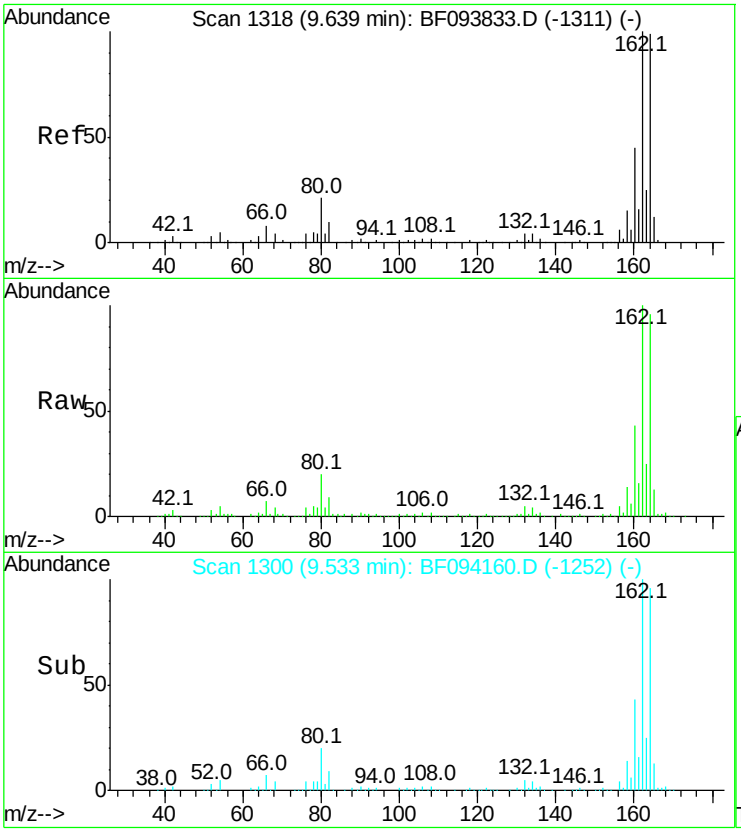




#37
2-Methylnaphthalene
Concen: 4.58 ng
RT: 8.26 min Scan# 1083
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:142 Resp: 95352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.9 | 71.3 | 106.9 |
| 115 | 31.2 | 27.1 | 40.7 |



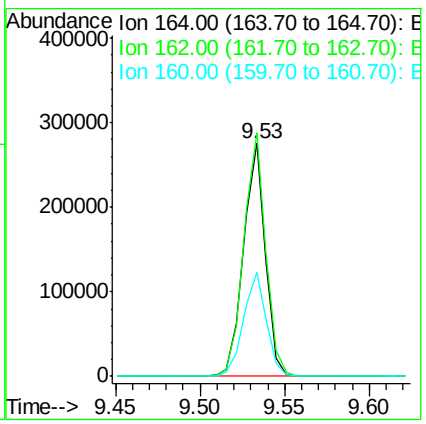


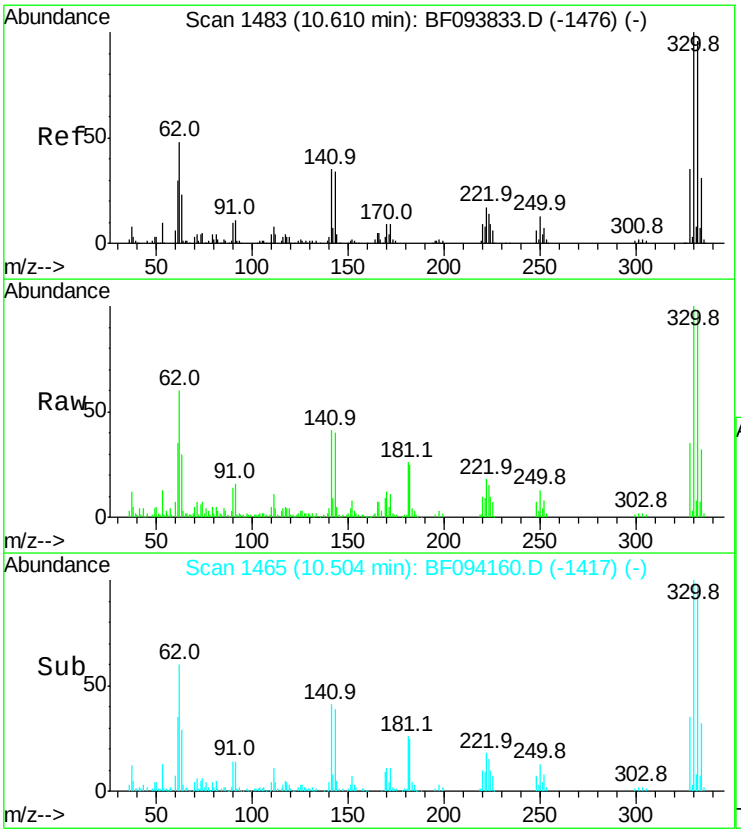

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:164 Resp: 248191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.5 | 82.6 | 123.8 |
| 160 | 44.7 | 36.2 | 54.2 |

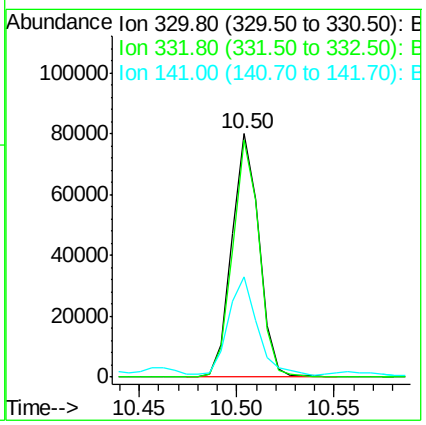


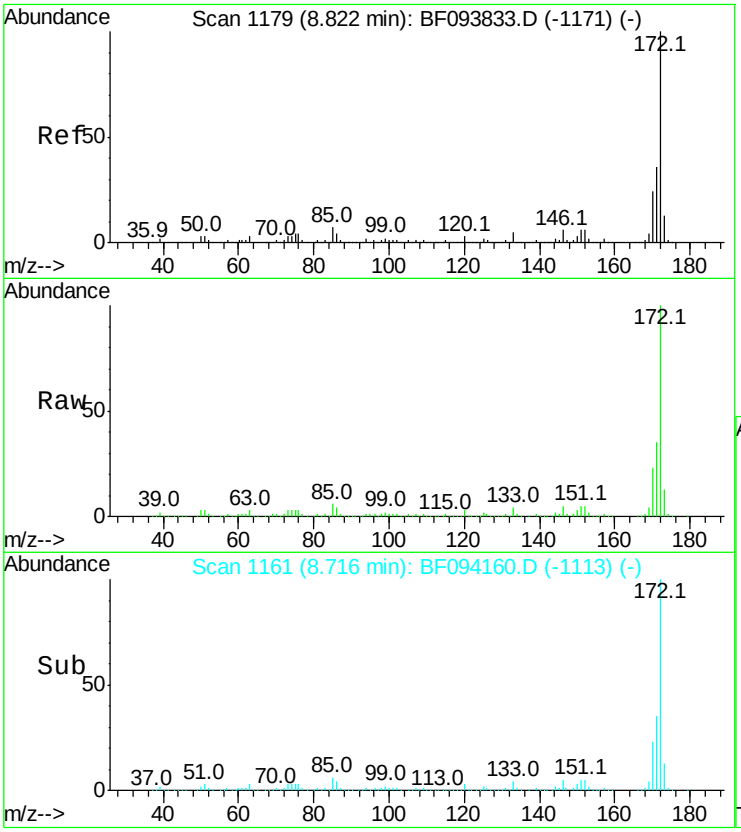




#41
2,4,6-Tribromophenol
Concen: 39.39 ng
RT: 10.50 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:330 Resp: 77261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.0 | 76.6 | 115.0 |
| 141 | 43.3 | 31.4 | 47.2 |



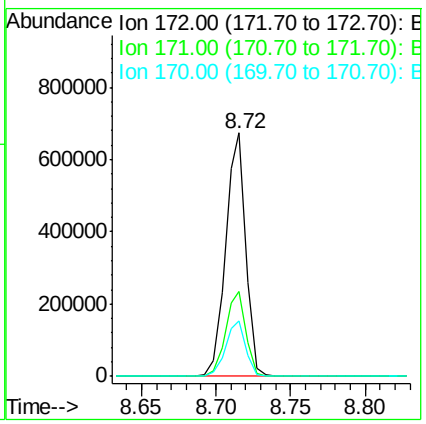


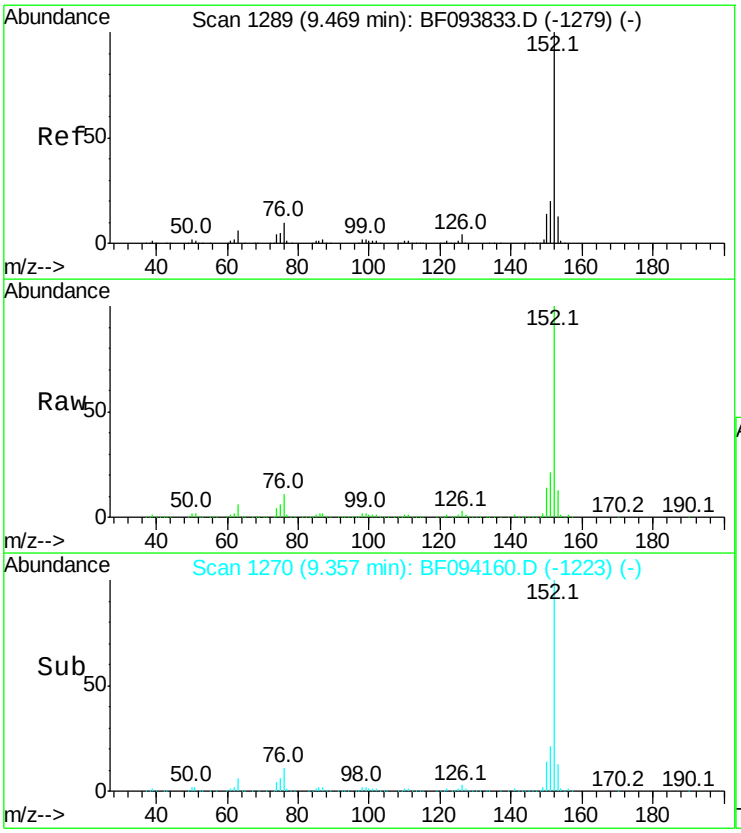

#44
2-Fluorobiphenyl
Concen: 39.57 ng
RT: 8.72 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:172 Resp: 643829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 29.6 | 44.4 |
| 170 | 22.6 | 19.8 | 29.8 |

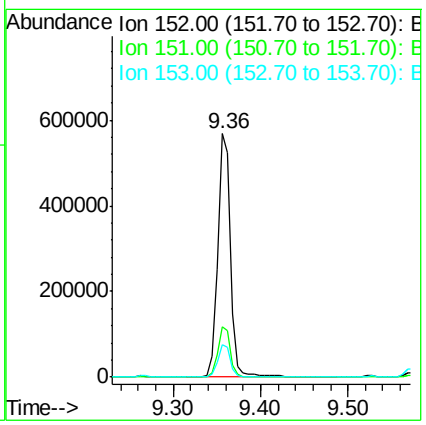


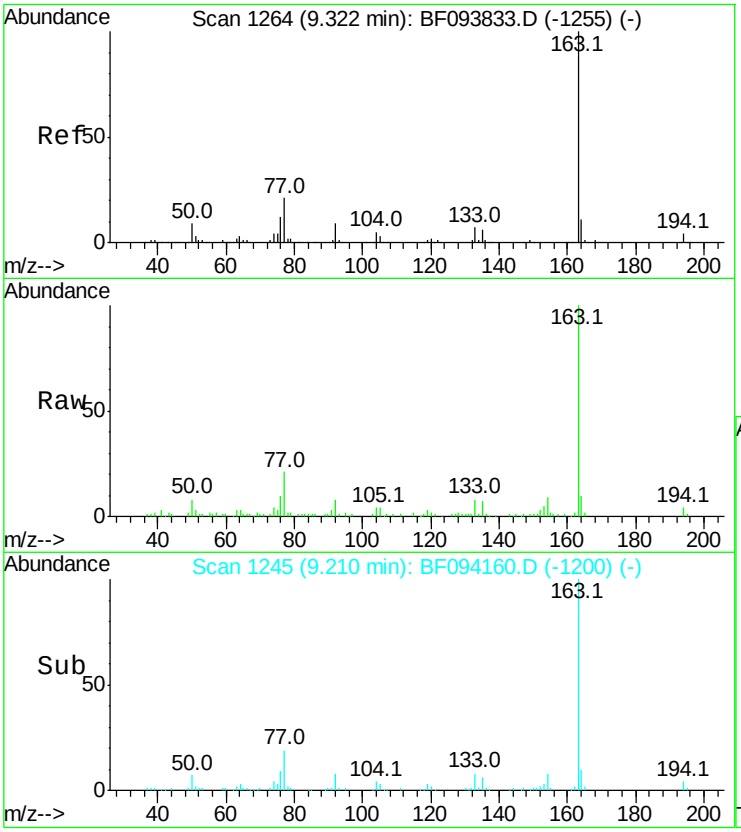




#48
Acenaphthylene
Concen: 22.03 ng
RT: 9.36 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:152 Resp: 573673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 16.8 | 25.2 |
| 153 | 13.3 | 10.8 | 16.2 |



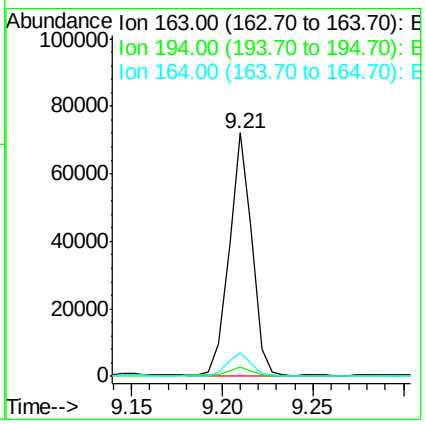


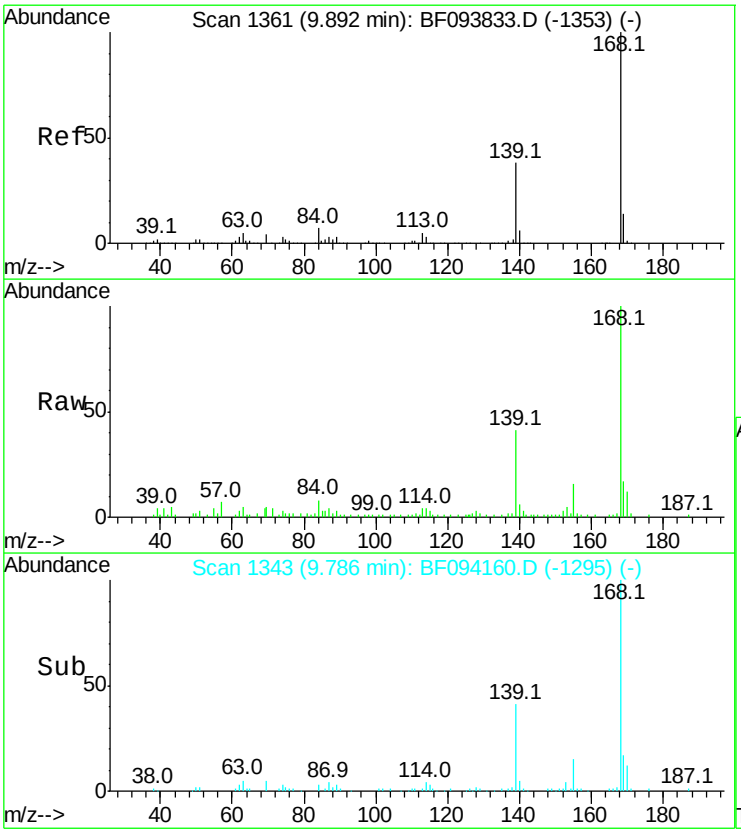

#49
Dimethylphthalate
Concen: 3.58 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:163 Resp: 63146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.6 | 4.0 |
| 164 | 9.9 | 8.4 | 12.6 |

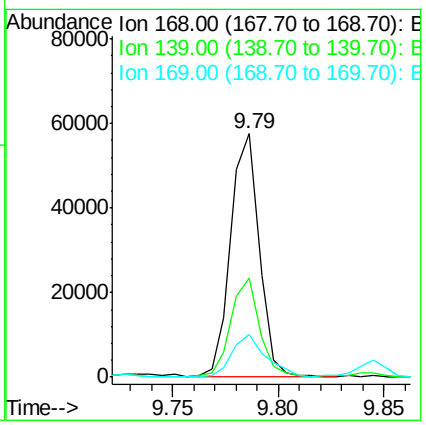


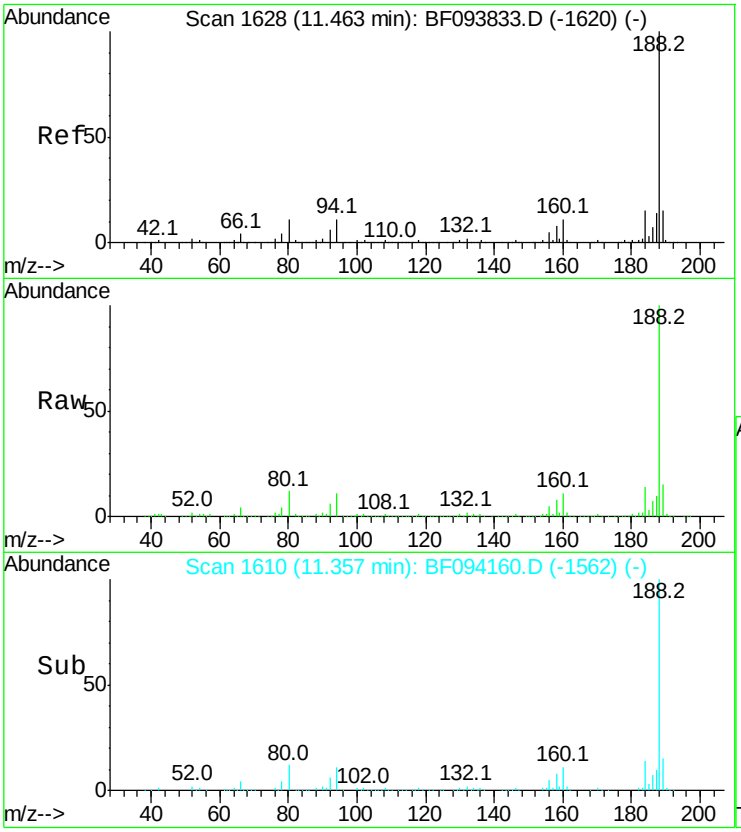




#54
Dibenzofuran
Concen: 2.61 ng
RT: 9.79 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:168 Resp: 54051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.5 | 30.6 | 45.8 |
| 169 | 17.4 | 10.8 | 16.2# |



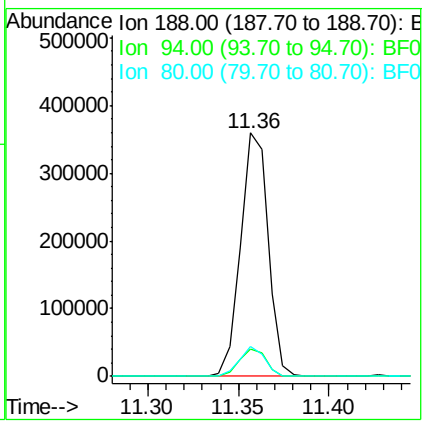


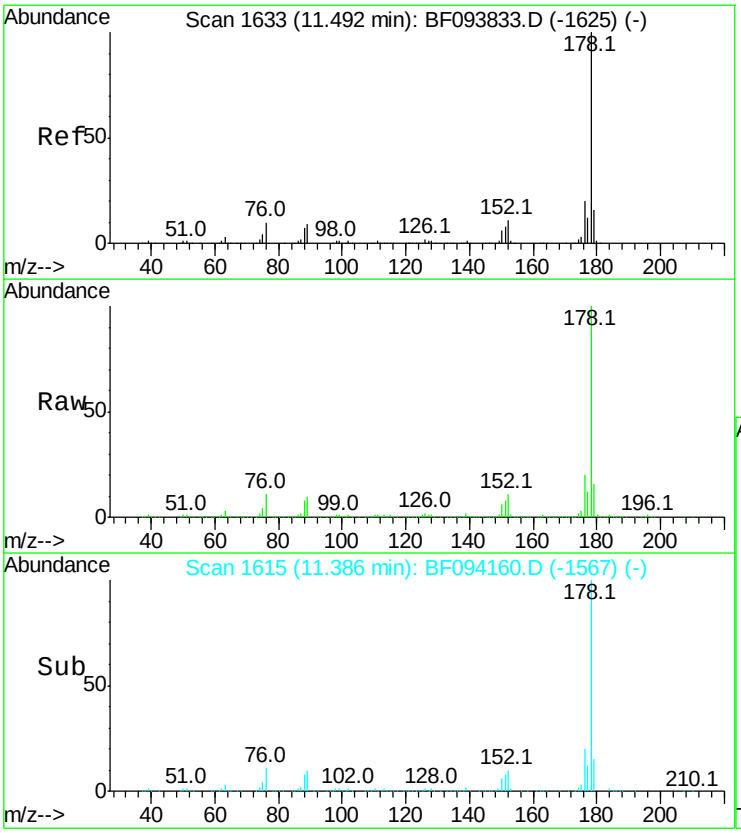

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:188 Resp: 379041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 9.4 | 14.2 |
| 80 | 12.1 | 10.2 | 15.2 |

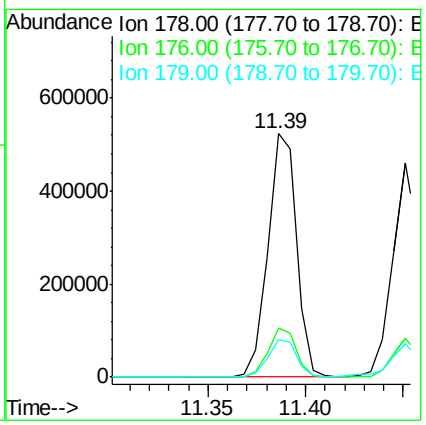


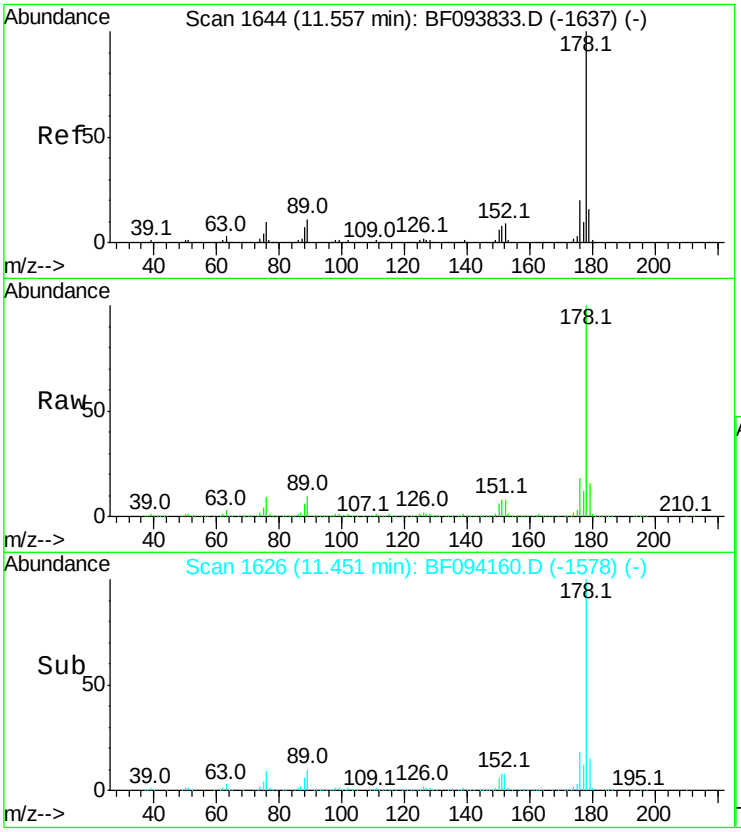




#70
Phenanthrene
Concen: 25.08 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:178 Resp: 528798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 16.2 | 24.4 |
| 179 | 15.6 | 12.6 | 19.0 |



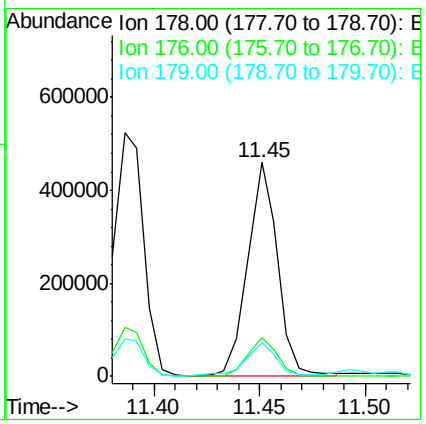


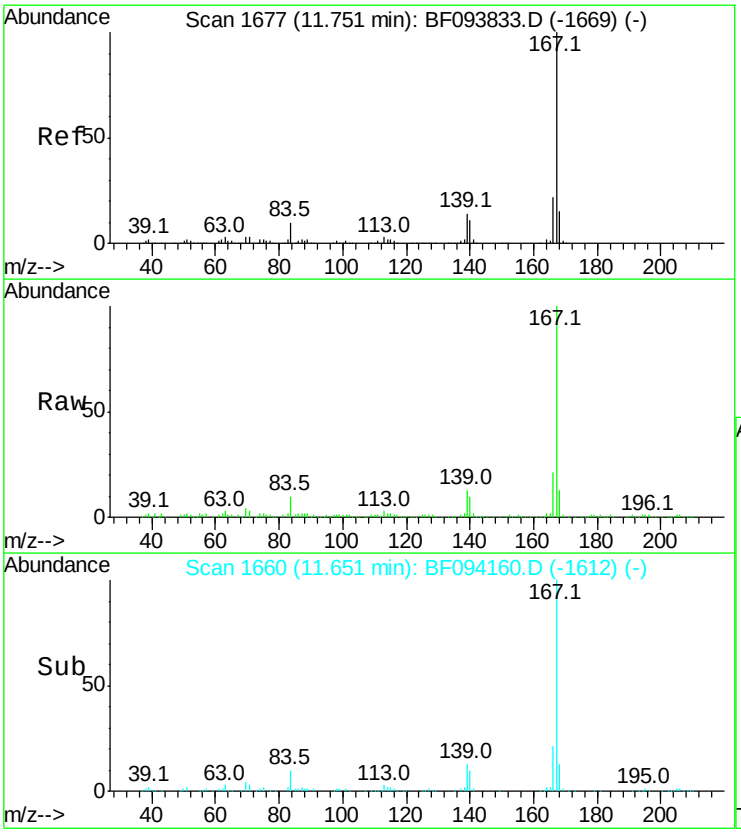

#71
Anthracene
Concen: 20.63 ng
RT: 11.45 min Scan# 1626
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:178 Resp: 447987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.8 | 23.8 |
| 179 | 15.5 | 12.7 | 19.1 |

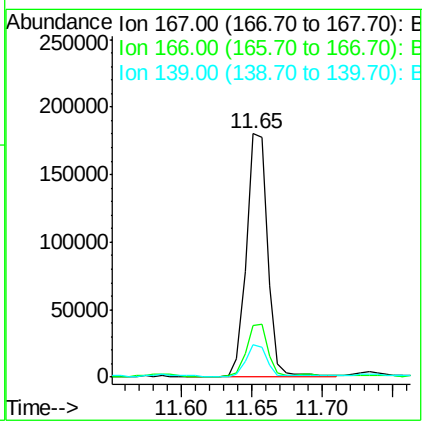


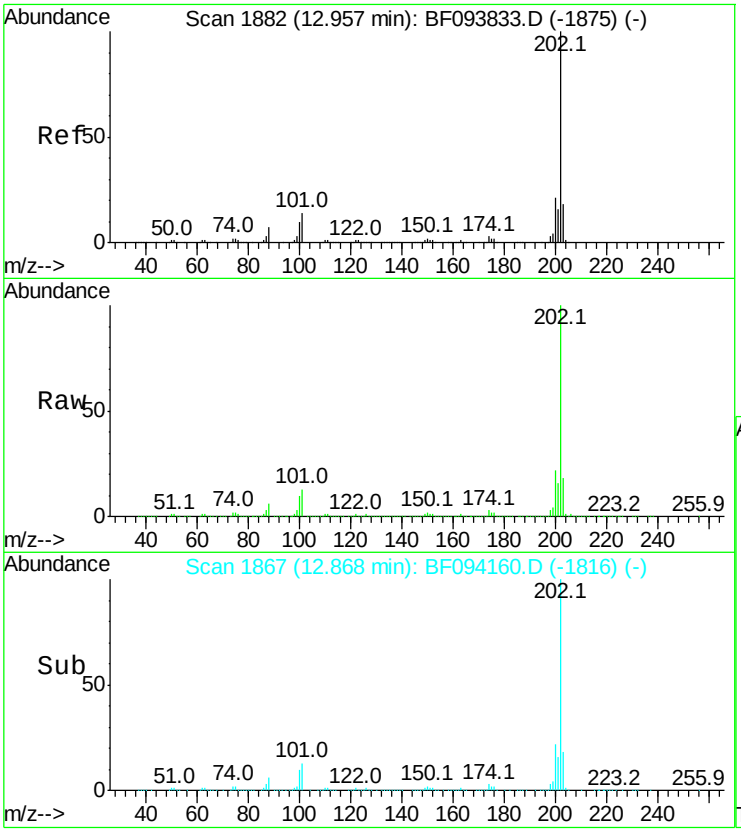




#72
Carbazole
Concen: 8.52 ng
RT: 11.65 min Scan# 1660
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:167 Resp: 189710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.1 | 18.1 | 27.1 |
| 139 | 13.5 | 11.7 | 17.5 |



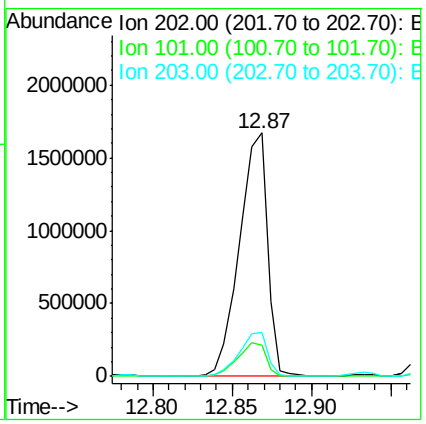


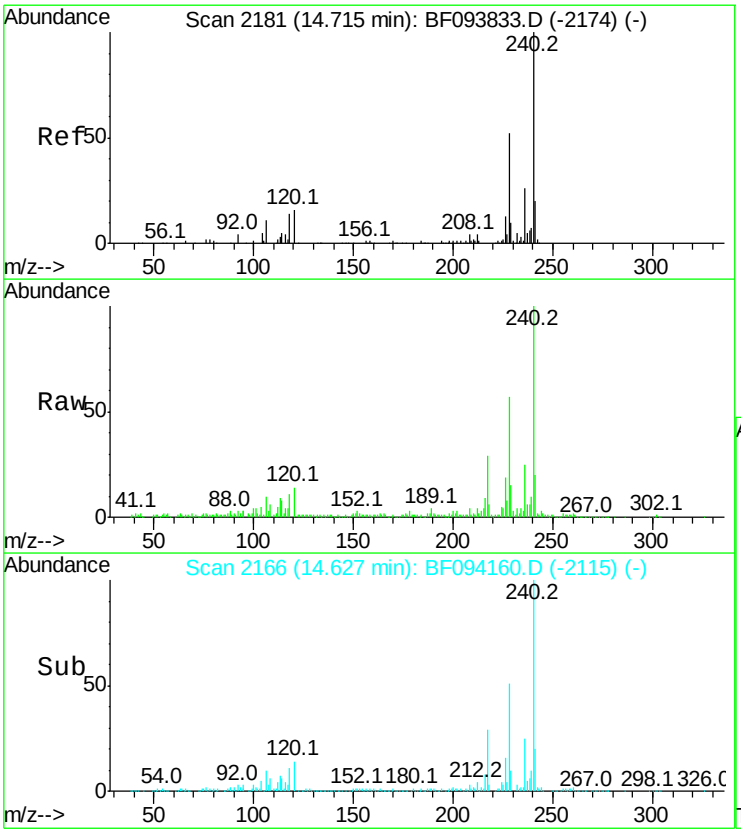

#74
Fluoranthene
Concen: 94.49 ng
RT: 12.87 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:202 Resp: 2040131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 33.2 |
| 203 | 18.1 | 0.0 | 38.1 |

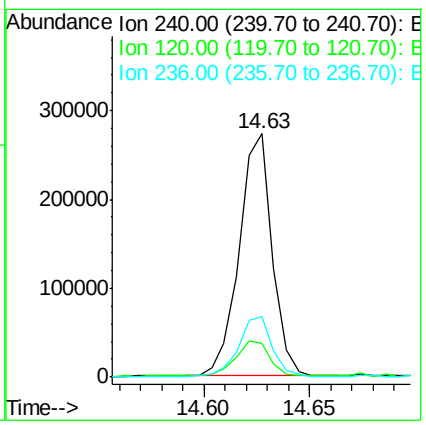


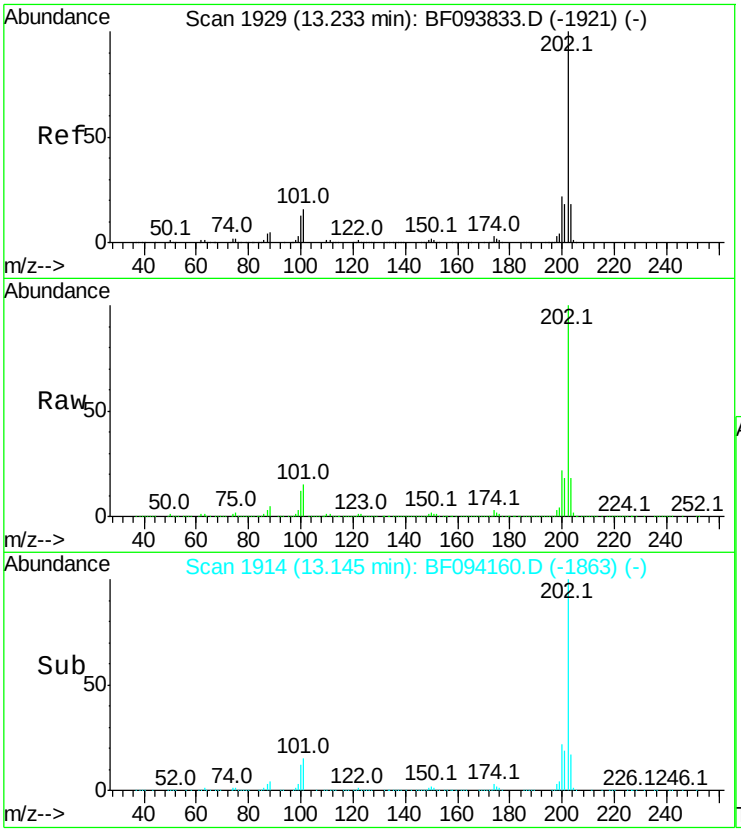




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.63 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:240 Resp: 294731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.8 | 5.8 | 8.8# |
| 236 | 24.7 | 20.5 | 30.7 |



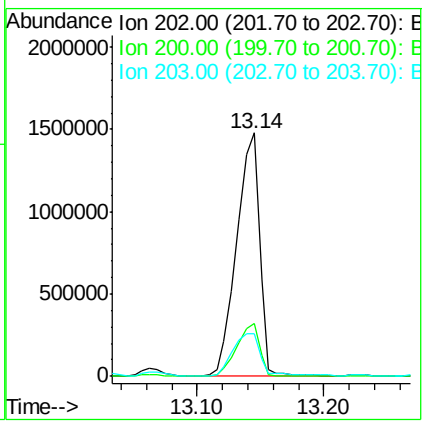


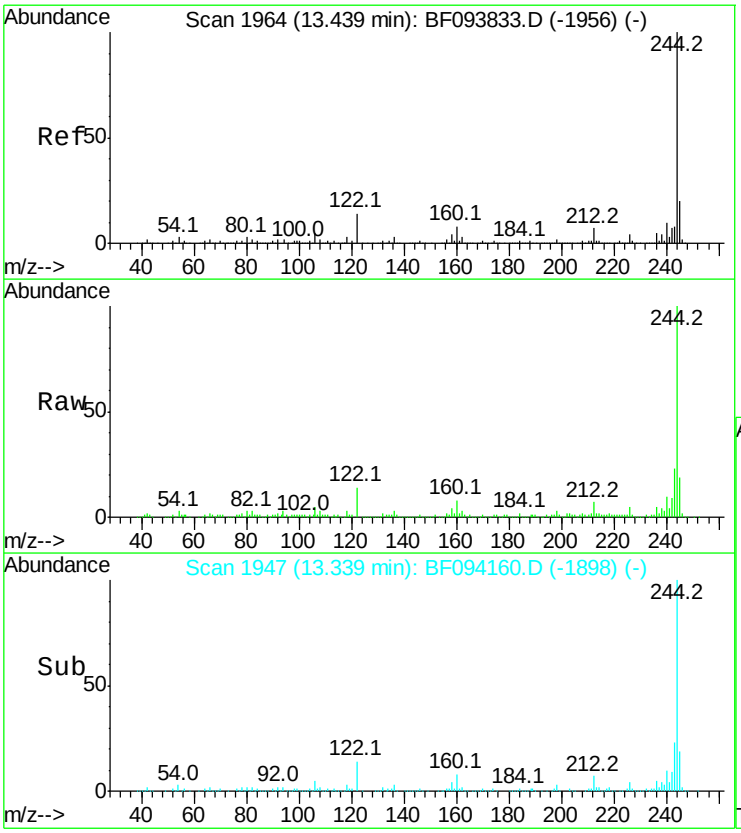

#77
Pyrene
Concen: 85.98 ng
RT: 13.14 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:202 Resp: 1838987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.8 | 17.6 | 26.4 |
| 203 | 17.7 | 14.4 | 21.6 |

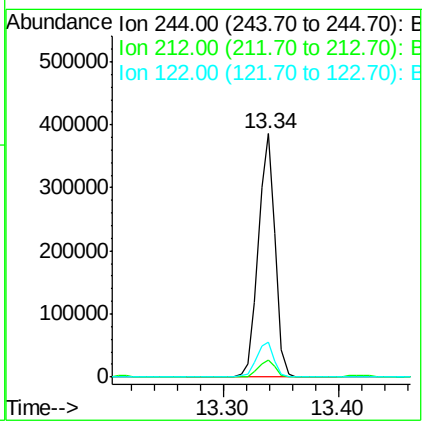


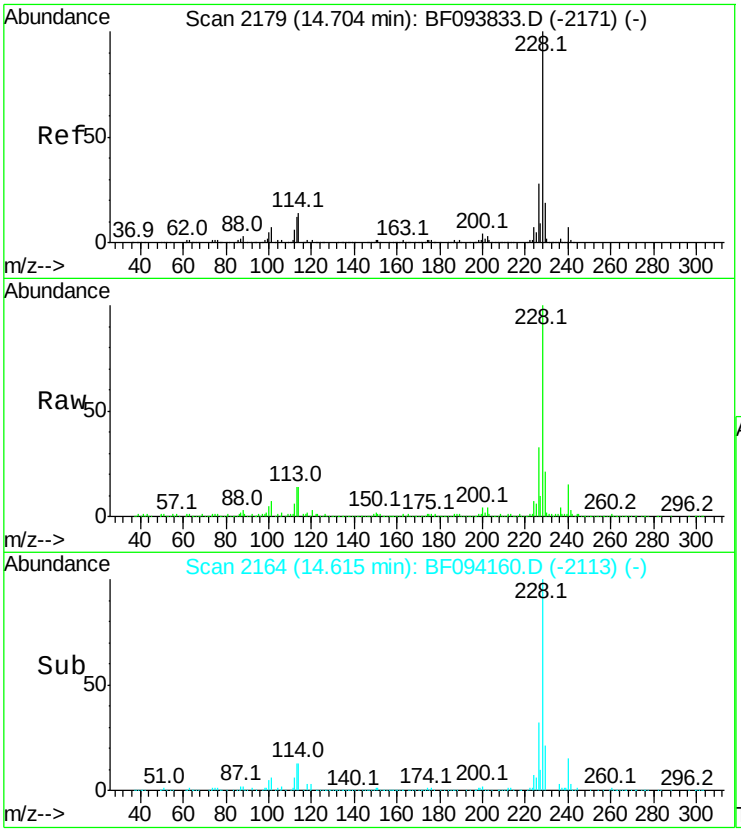




#78
Terphenyl-d14
Concen: 29.91 ng
RT: 13.34 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:244 Resp: 393226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.0 | 9.0 |
| 122 | 14.2 | 10.3 | 15.5 |



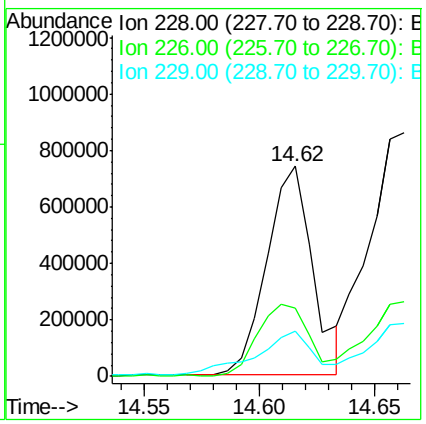


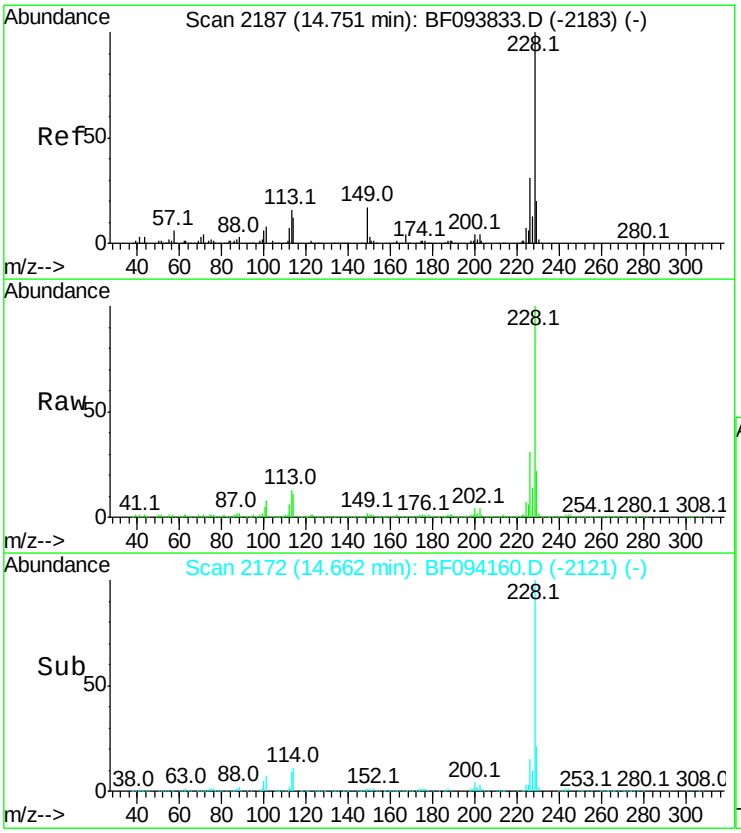

#80
Benzo(a)anthracene
Concen: 59.27 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:228 Resp: 1018643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 22.6 | 33.8 |
| 229 | 21.3 | 16.3 | 24.5 |

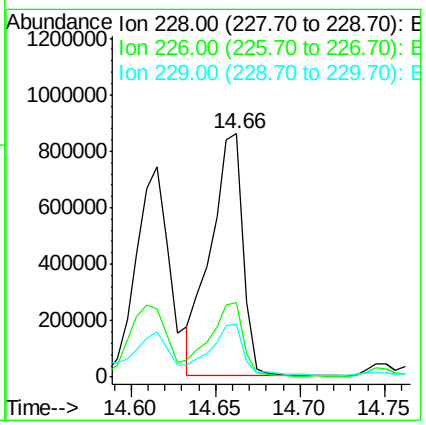


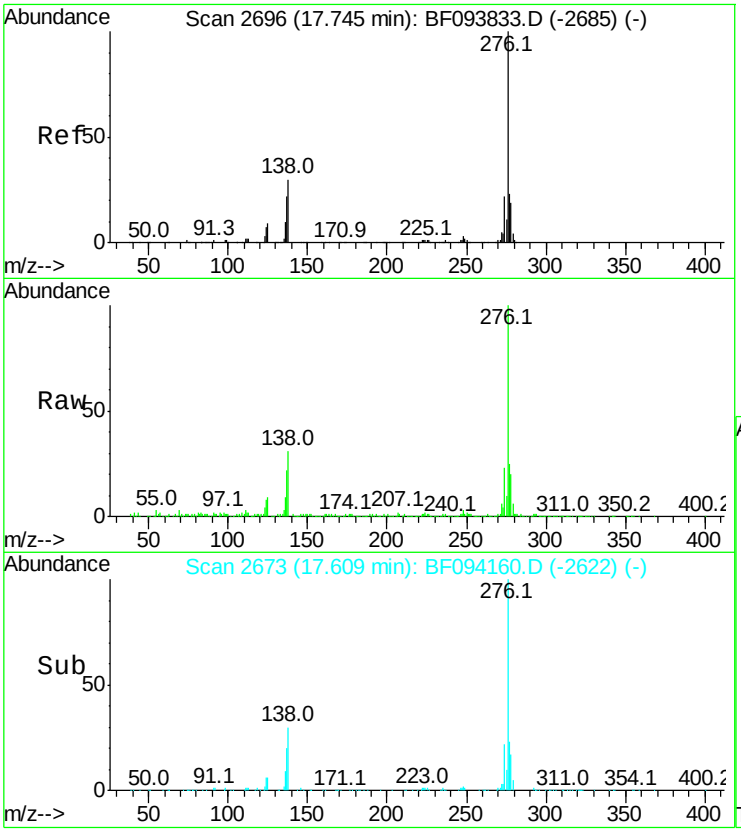




#82
Chrysene
Concen: 71.66 ng
RT: 14.66 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:228 Resp: 1142985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 24.9 | 37.3 |
| 229 | 21.5 | 15.8 | 23.6 |



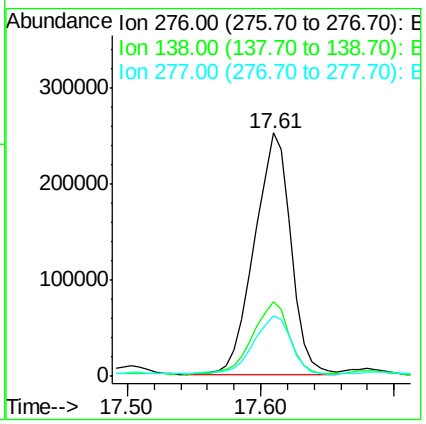


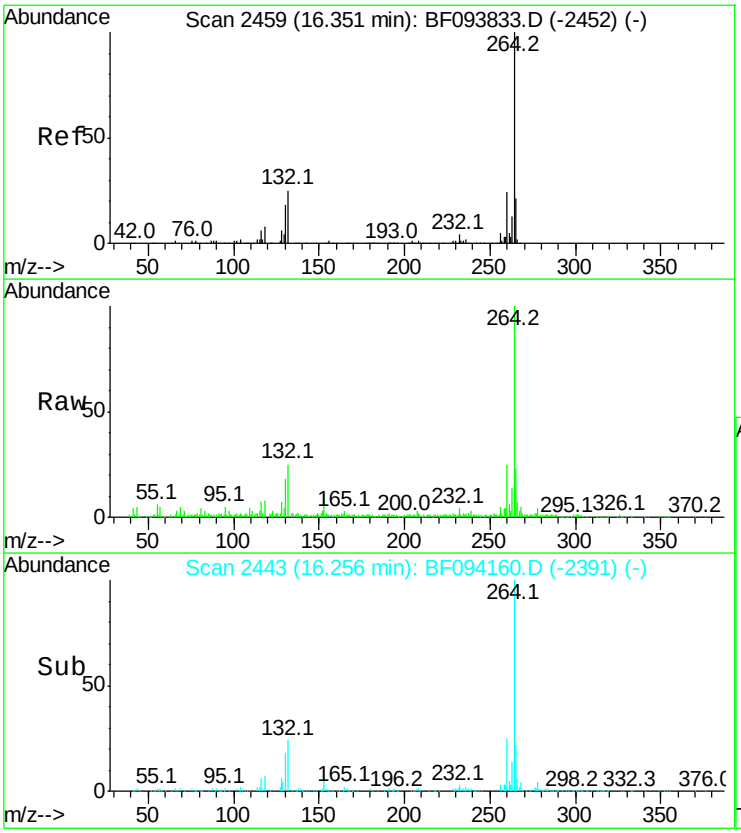

#85
Indeno(1,2,3-cd)pyrene
Concen: 34.31 ng
RT: 17.61 min Scan# 2673
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:276 Resp: 473908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.1 | 27.8 | 41.6 |
| 277 | 25.6 | 20.2 | 30.4 |

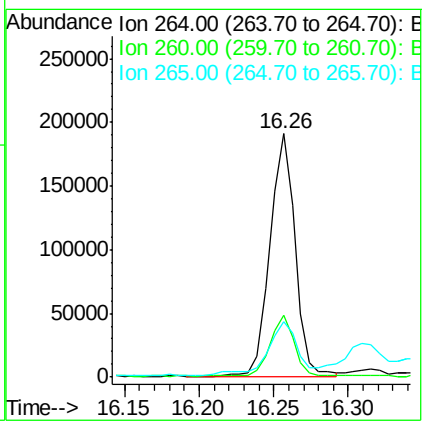


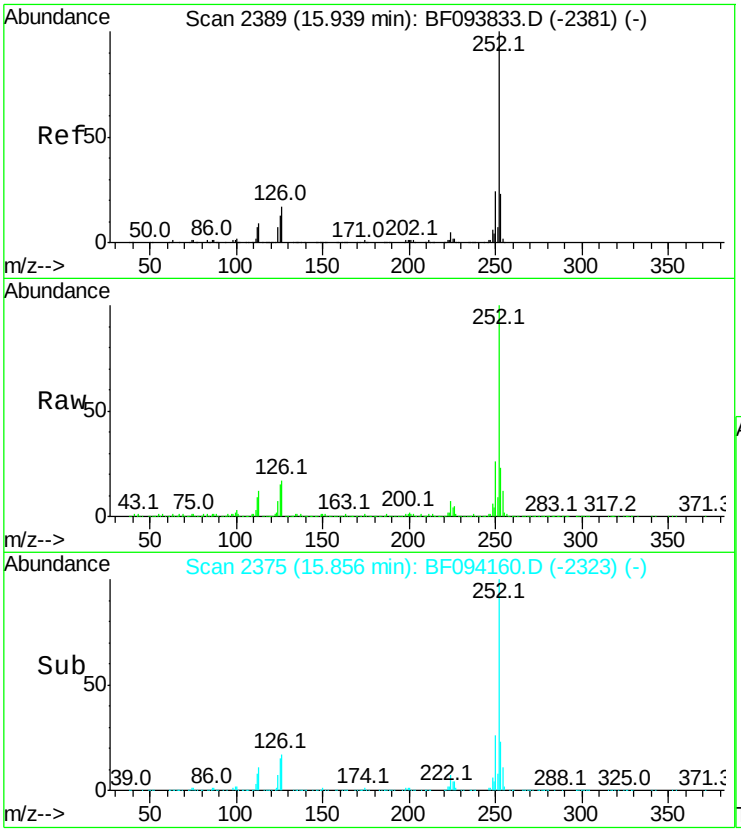




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.26 min Scan# 2443
Delta R.T. 0.01 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:264 Resp: 224297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.3 | 19.5 | 29.3 |
| 265 | 23.0 | 17.2 | 25.8 |



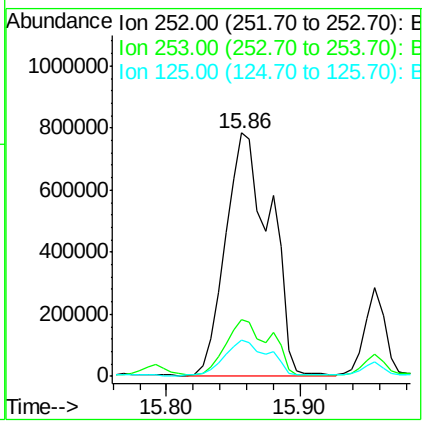


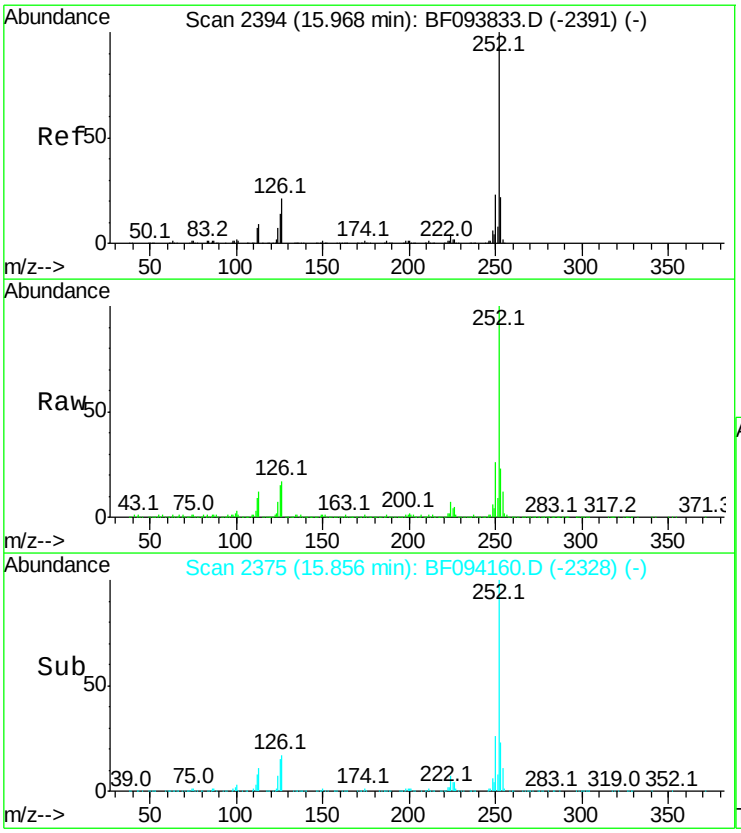

#87
Benzo(b)fluoranthene
Concen: 132.63 ng
RT: 15.86 min Scan# 2375
Delta R.T. 0.01 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:252 Resp: 1823465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.1 | 27.1 |
| 125 | 15.0 | 9.8 | 14.8# |

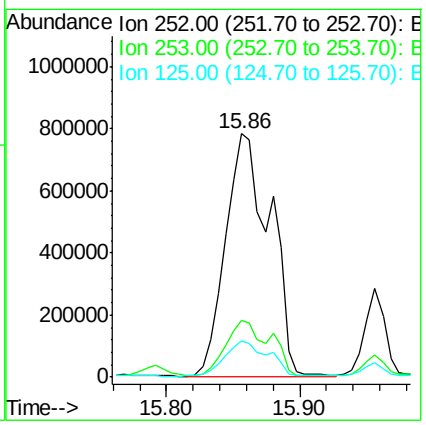


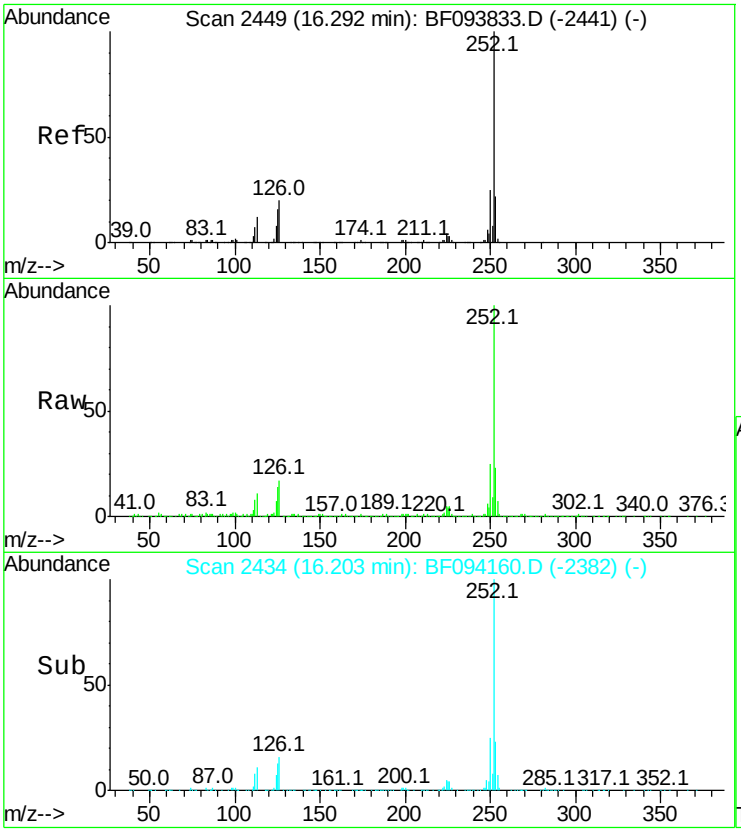




#88
Benzo(k)fluoranthene
Concen: 135.55 ng
RT: 15.86 min Scan# 2375
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:252 Resp: 1823465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.4 | 27.6 |
| 125 | 15.0 | 13.1 | 19.7 |



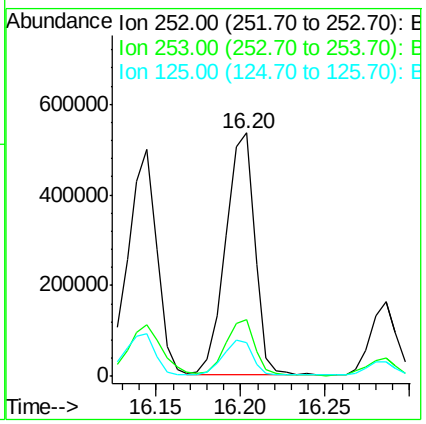


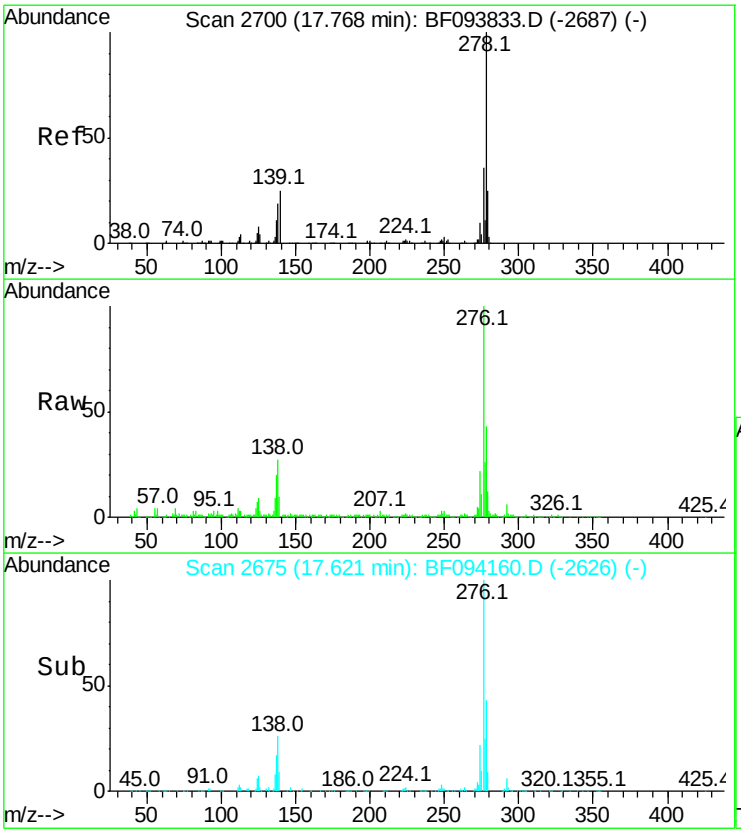

#89
Benzo(a)pyrene
Concen: 50.64 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:252 Resp: 641186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.5 | 26.3 |
| 125 | 13.6 | 11.0 | 16.4 |

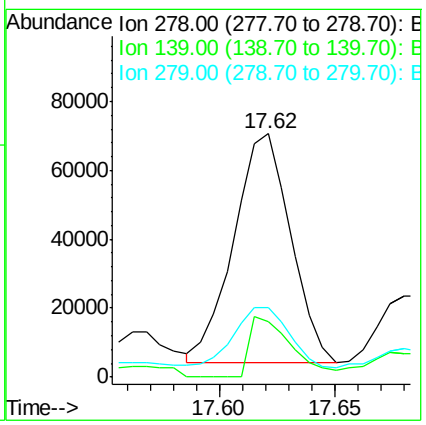


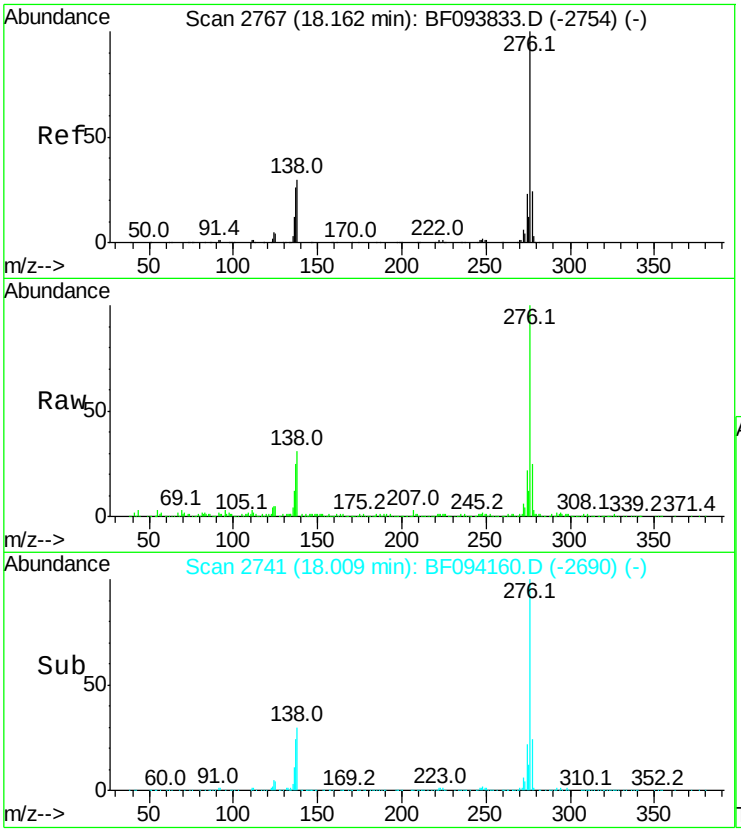




#90
Dibenzo(a,h)anthracene
Concen: 10.67 ng
RT: 17.62 min Scan# 2675
Delta R.T. -0.01 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion:278 Resp: 114430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.0 | 16.6 | 24.8 |
| 279 | 28.7 | 19.3 | 28.9 |






#91
Benzo(g,h,i)perylene
Concen: 37.87 ng
RT: 18.01 min Scan# 2741
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:276 Resp: 409187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.4 | 18.6 | 28.0 |
| 138 | 31.1 | 25.4 | 38.0 |