Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
Data File : BF078672.D
Acq On : 21 Apr 2015 7:27
Operator : TP/IZ
Sample : G1943-06 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-B-3

Quant Time: Apr 21 08:28:19 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 16:32:38 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.85 | 152 | 30250 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.01 | 136 | 125275 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 11.20 | 164 | 61414 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 13.94 | 188 | 121323 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 17.79 | 240 | 122087 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 19.50 | 264 | 124645 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 3.88 | 112 | 14945 | 8.15 | ng | | 0.01 |
| 7) Phenol-d6 | 5.37 | 99 | 20602 | 8.96 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 6.80 | 82 | 11508 | 5.57 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.67 | 330 | 4689 | 9.21 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 10.02 | 172 | 29412 | 6.85 | ng | | -0.01 |
| 78) Terphenyl-d14 | 16.46 | 244 | 34213 | 6.33 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 51) Acenaphthene | 11.26 | 154 | 12962 | 3.61 | ng | | 100 |
| 54) Dibenzofuran | 11.59 | 168 | 11866 | 2.16 | ng | | 95 |
| 55) 4-Nitrophenol | 11.59 | 139 | 4090 | 7.73 | ng | # | 18 |
| 57) Fluorene | 12.22 | 166 | 19526 | 4.39 | ng | | 97 |
| 70) Phenanthrene | 13.98 | 178 | 370029 | 52.73 | ng | | 99 |
| 71) Anthracene | 14.07 | 178 | 93586 | 13.53 | ng | | 100 |
| 72) Carbazole | 14.40 | 167 | 32179 | 4.97 | ng | | 99 |
| 74) Fluoranthene | 15.86 | 202 | 649770 | 87.79 | ng | | 98 |
| 77) Pyrene | 16.18 | 202 | 616988 | 80.50 | ng | # | 95 |
| 80) Benzo(a)anthracene | 17.78 | 228 | 302214 | 41.60 | ng | | 96 |
| 82) Chrysene | 17.83 | 228 | 253331 | 37.12 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 20.54 | 276 | 32974 | 4.26 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 19.07 | 252 | 458270 | 59.49 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 19.07 | 252 | 451836 | 66.00 | ng | | 97 |
| 89) Benzo(a)pyrene | 19.44 | 252 | 232879 | 34.64 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 20.98 | 276 | 149661 | 22.18 | ng | | 98 |

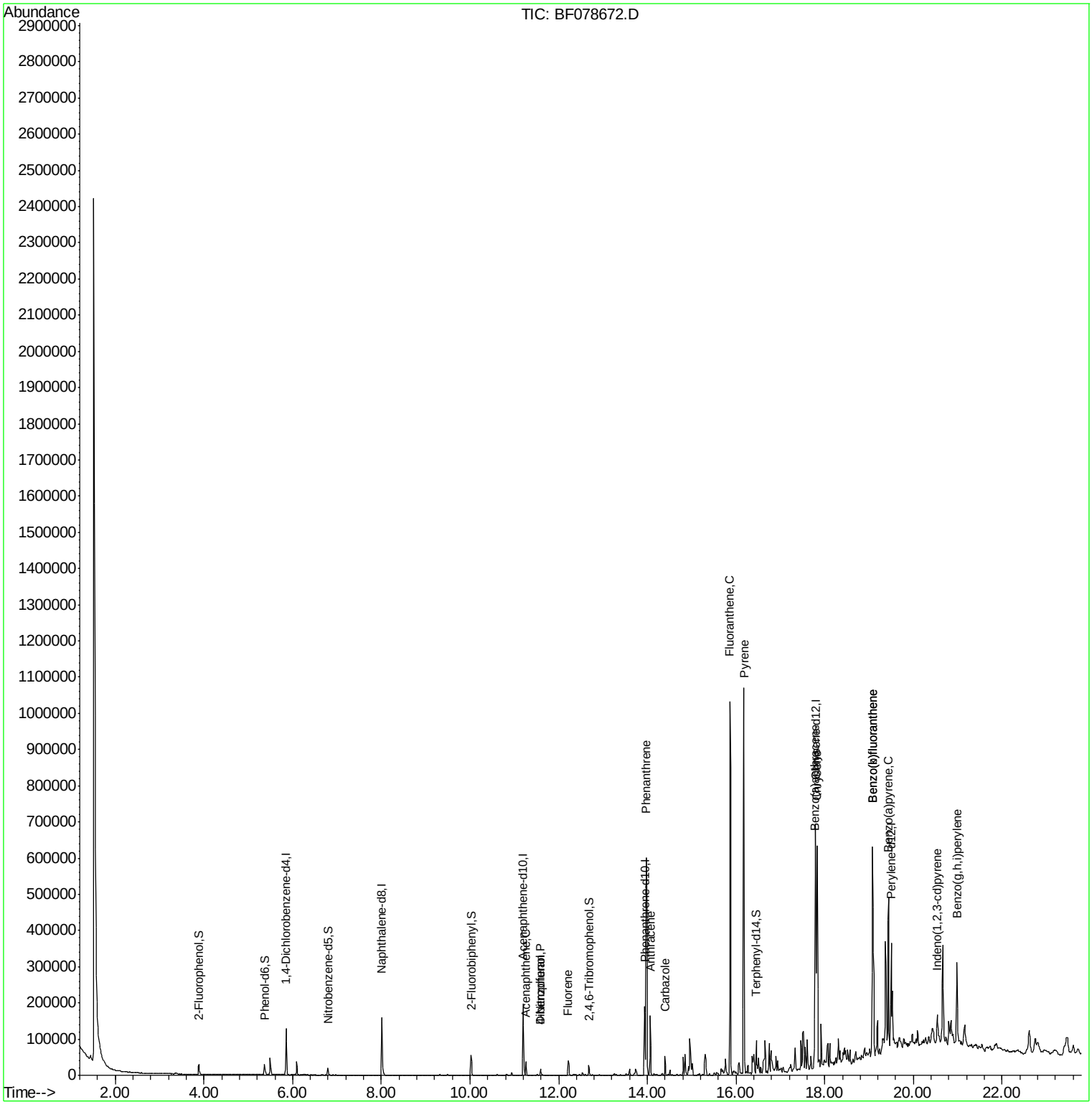
(#) = qualifier out of range (m) = manual integration (+) = signals summed

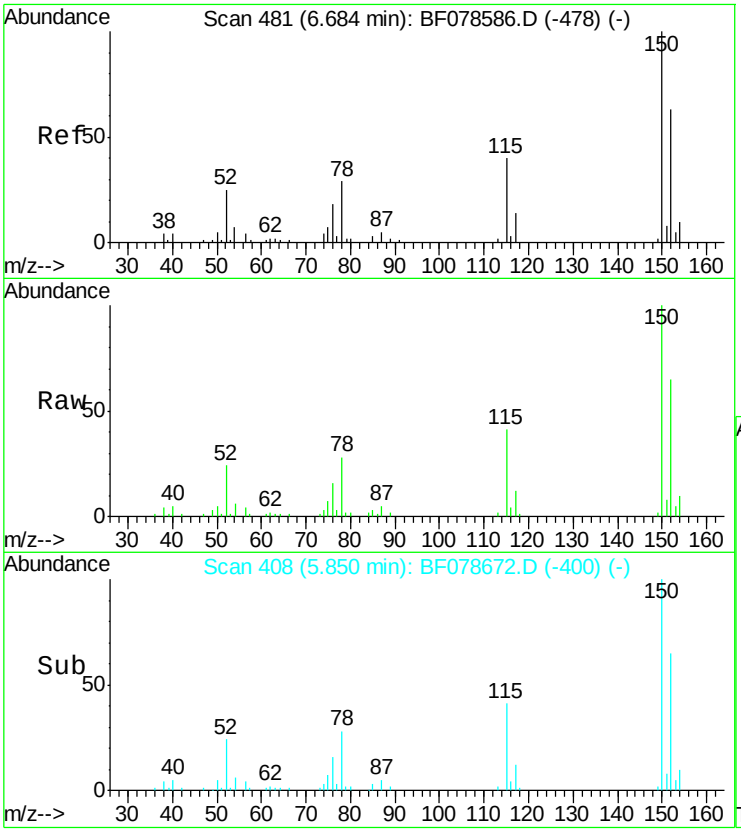
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
Data File : BF078672.D
Acq On : 21 Apr 2015 7:27
Operator : TP/IZ
Sample : G1943-06 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Quant Time: Apr 21 08:28:19 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 16:32:38 2015
Response via : Initial Calibration



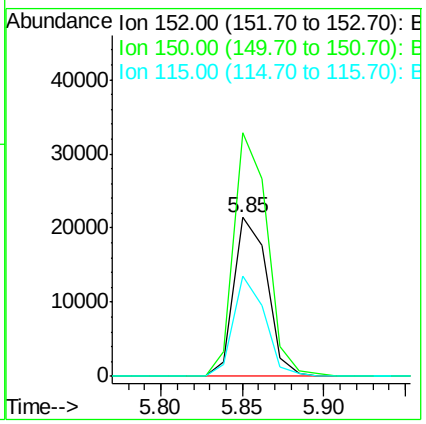


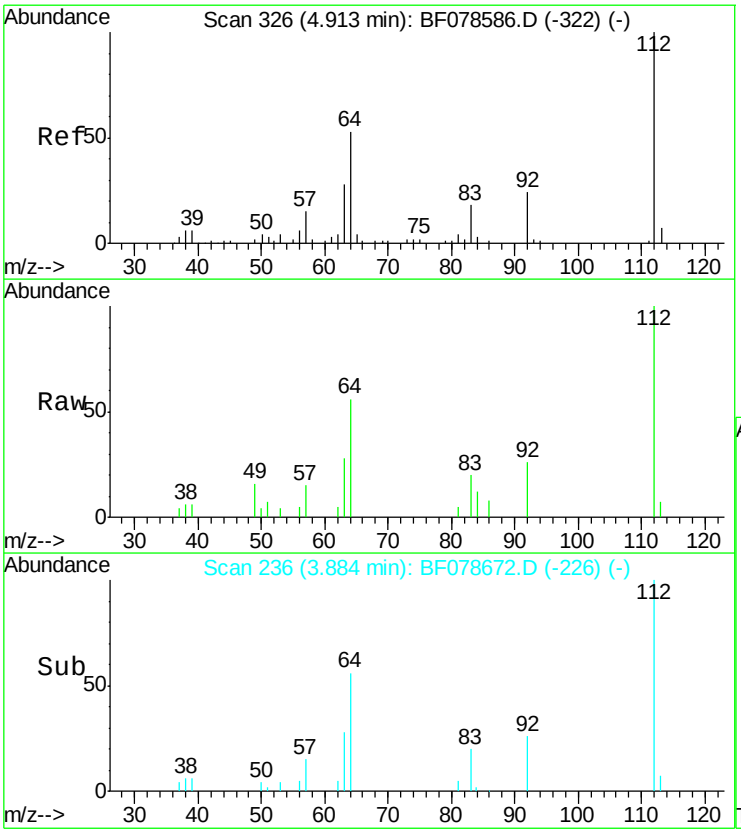

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:152 Resp: 30250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.1 | 125.9 | 188.9 |
| 115 | 62.7 | 52.7 | 79.1 |

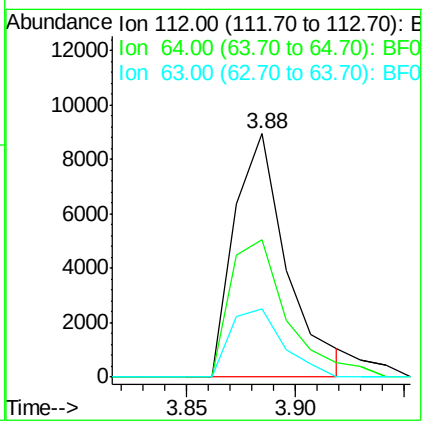


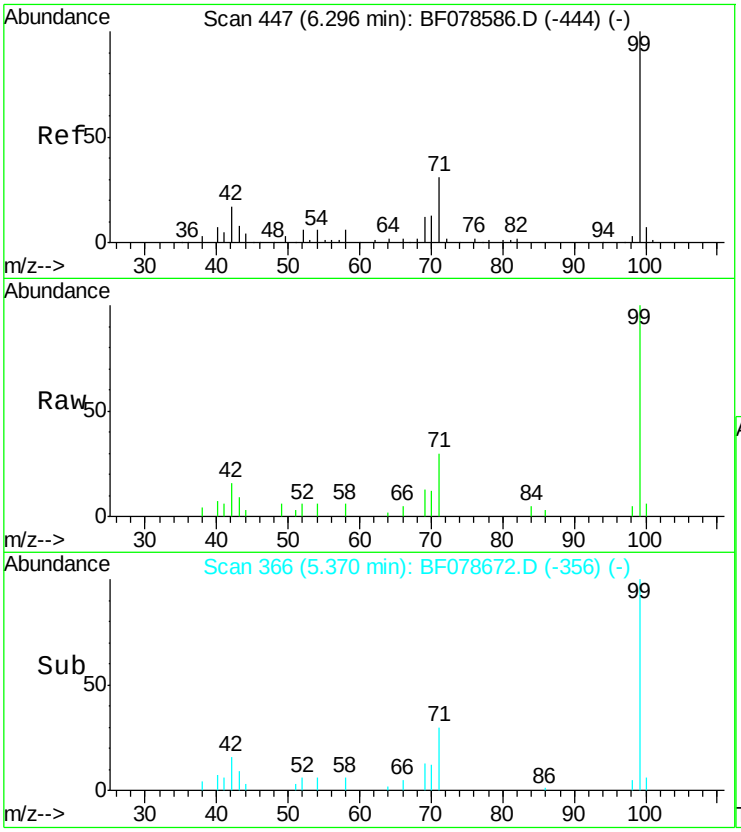




#5
2-Fluorophenol
Concen: 8.15 ng
RT: 3.88 min Scan# 236
Delta R.T. 0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:112 Resp: 14945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.2 | 39.9 | 59.9 |
| 63 | 28.2 | 20.2 | 30.4 |



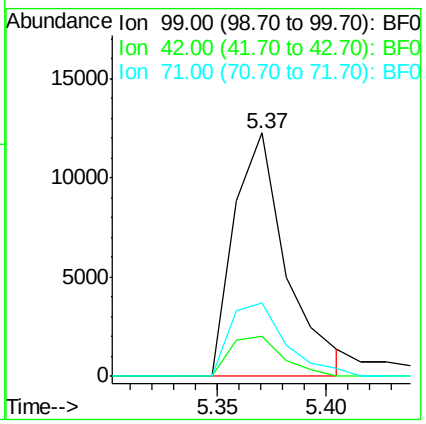


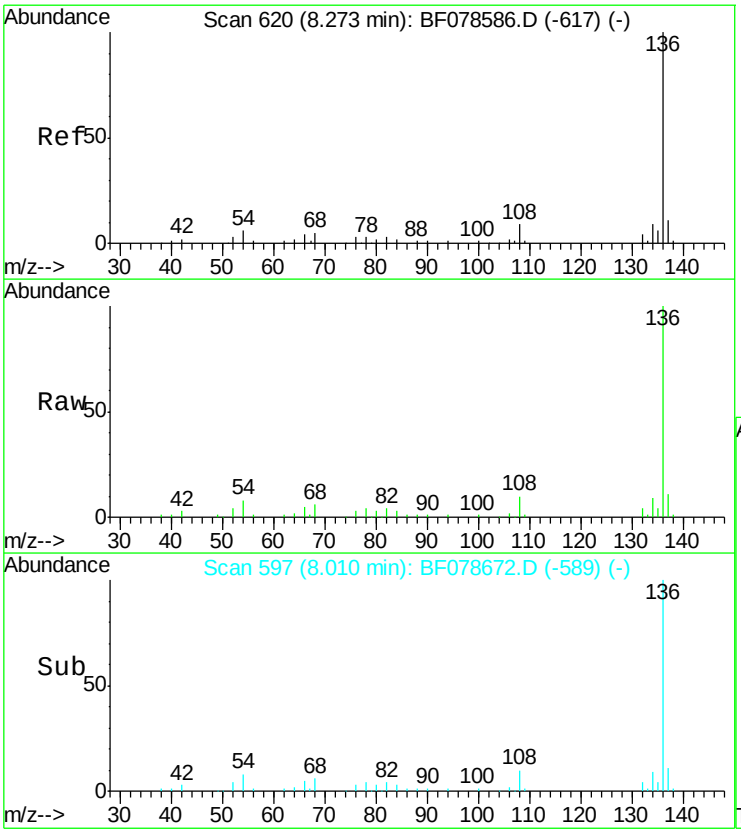

#7
Phenol-d6
Concen: 8.96 ng
RT: 5.37 min Scan# 366
Delta R.T. 0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion: 99 Resp: 20602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.4 | 14.8 | 22.2 |
| 71 | 30.4 | 26.6 | 39.8 |

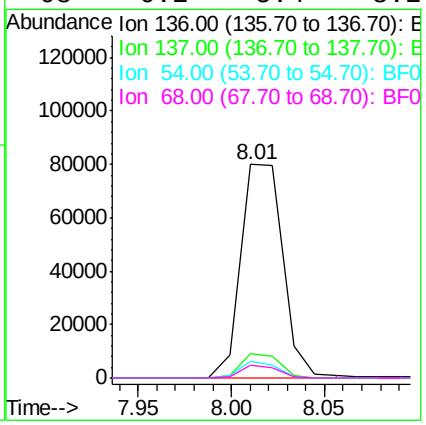


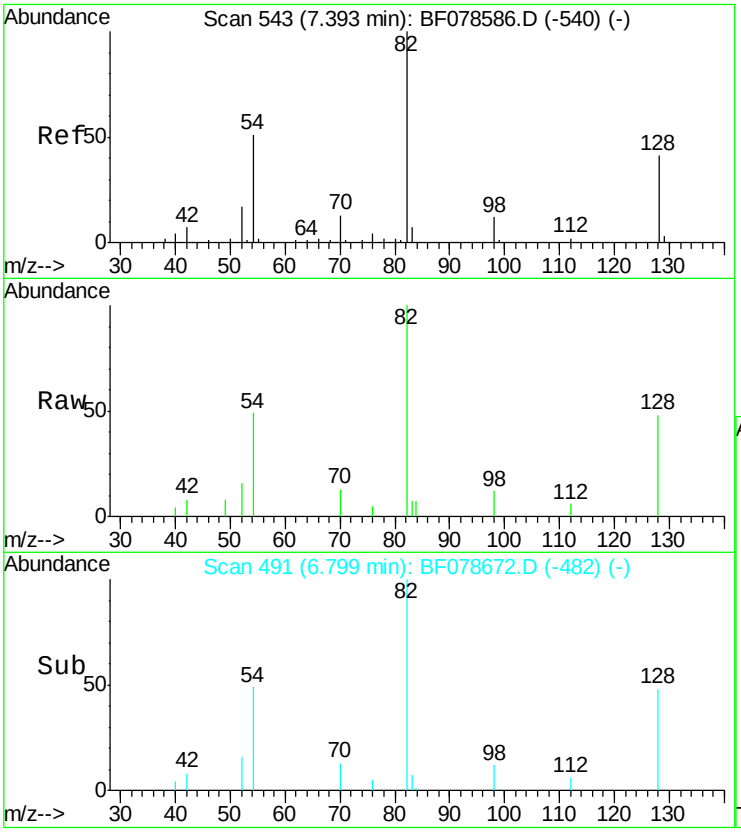




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:136 Resp: 125275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.0 | 13.4 |
| 54 | 8.1 | 7.0 | 10.6 |
| 68 | 6.2 | 5.4 | 8.2 |



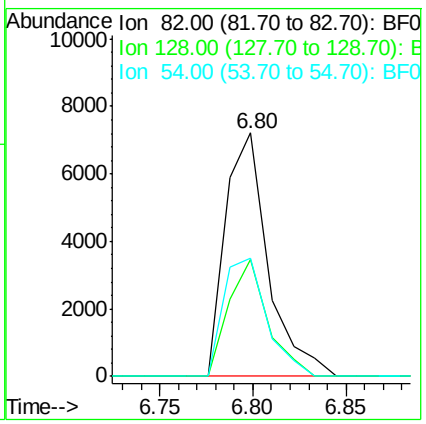


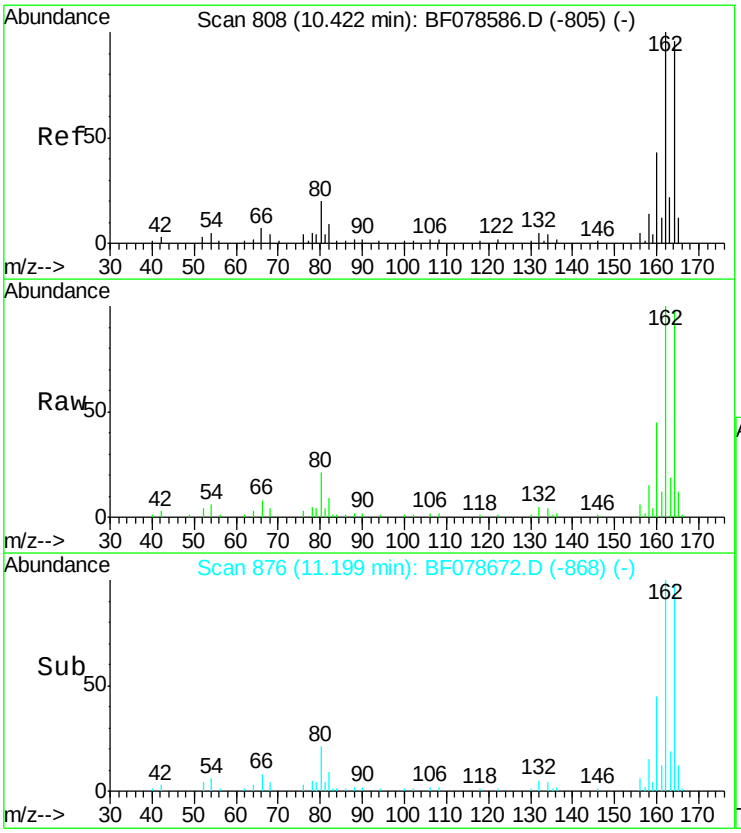

#23
Nitrobenzene-d5
Concen: 5.57 ng
RT: 6.80 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion: 82 Resp: 11508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.8 | 31.8 | 47.8# |
| 54 | 48.7 | 41.5 | 62.3 |

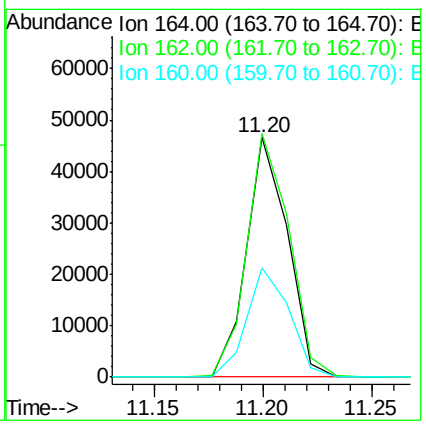


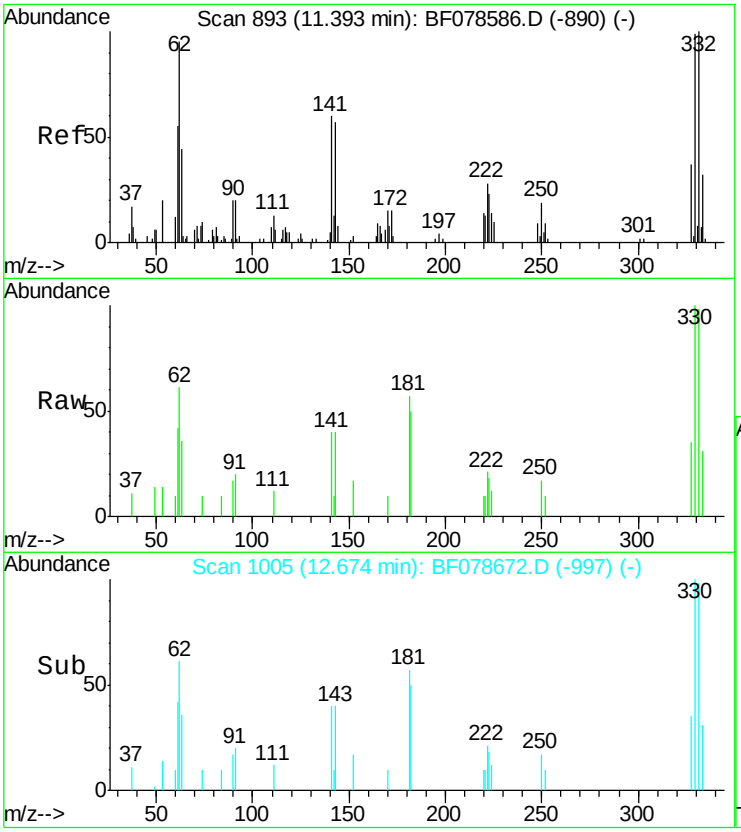




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:164 Resp: 61414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 82.2 | 123.2 |
| 160 | 45.4 | 34.7 | 52.1 |



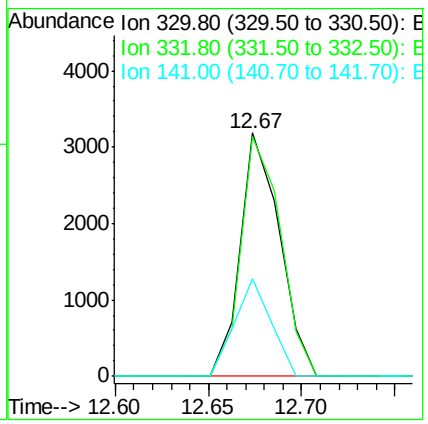


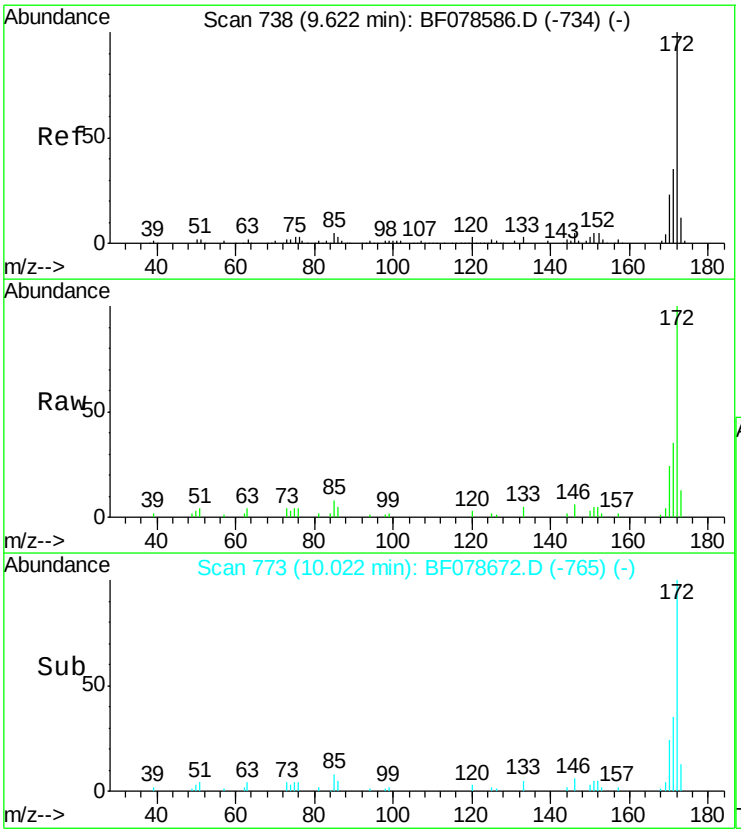

#41
2,4,6-Tribromophenol
Concen: 9.21 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:330 Resp: 4689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.5 | 78.6 | 117.8 |
| 141 | 37.2 | 31.2 | 46.8 |

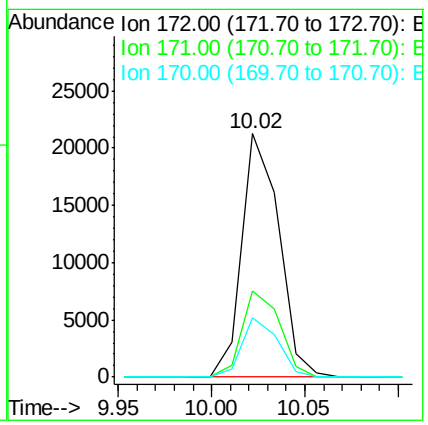


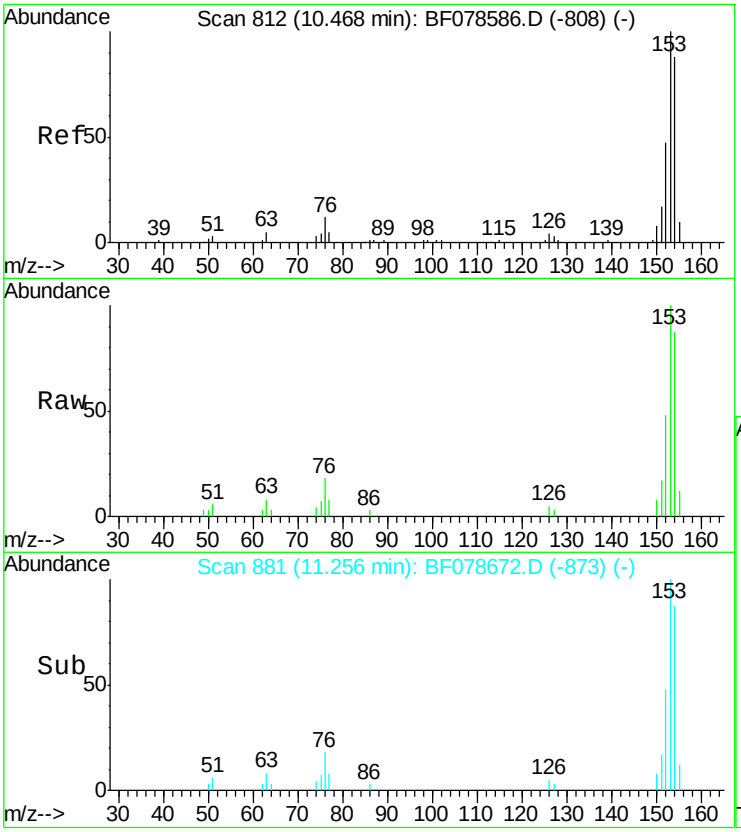




#44
2-Fluorobiphenyl
Concen: 6.85 ng
RT: 10.02 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:172 Resp: 29412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.6 | 42.8 |
| 170 | 24.3 | 18.5 | 27.7 |



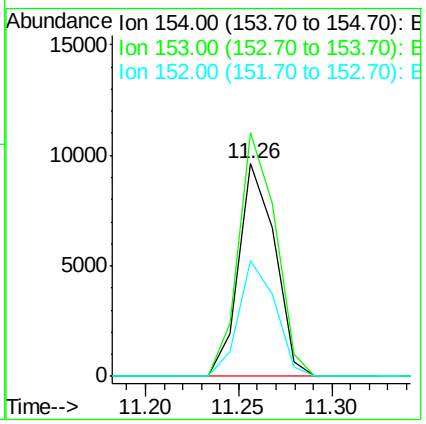


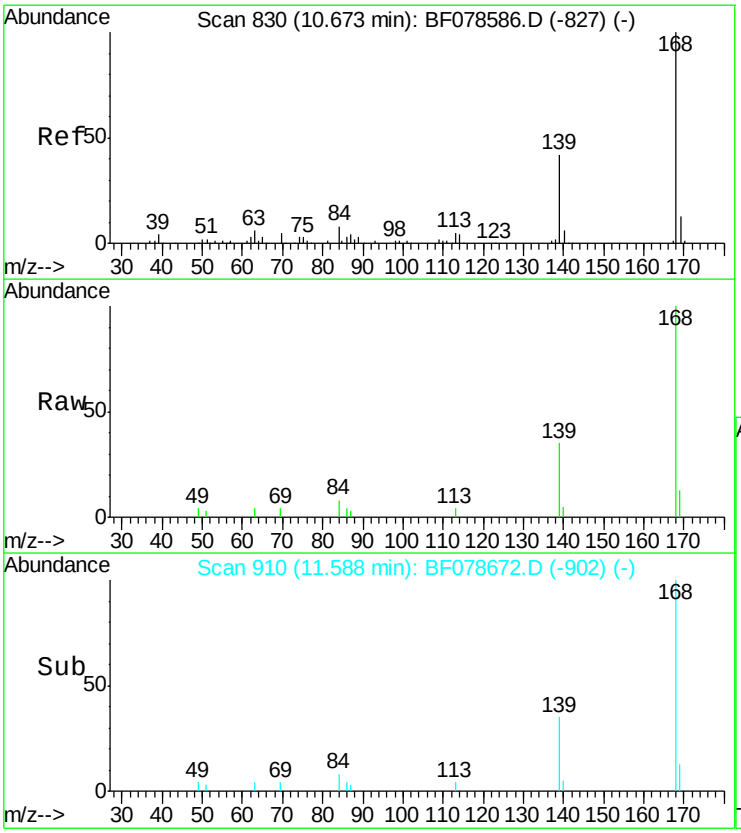

#51
Acenaphthene
Concen: 3.61 ng
RT: 11.26 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:154 Resp: 12962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.5 | 91.4 | 137.2 |
| 152 | 54.5 | 43.0 | 64.6 |

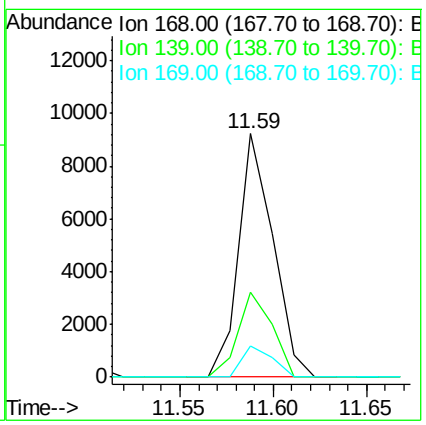


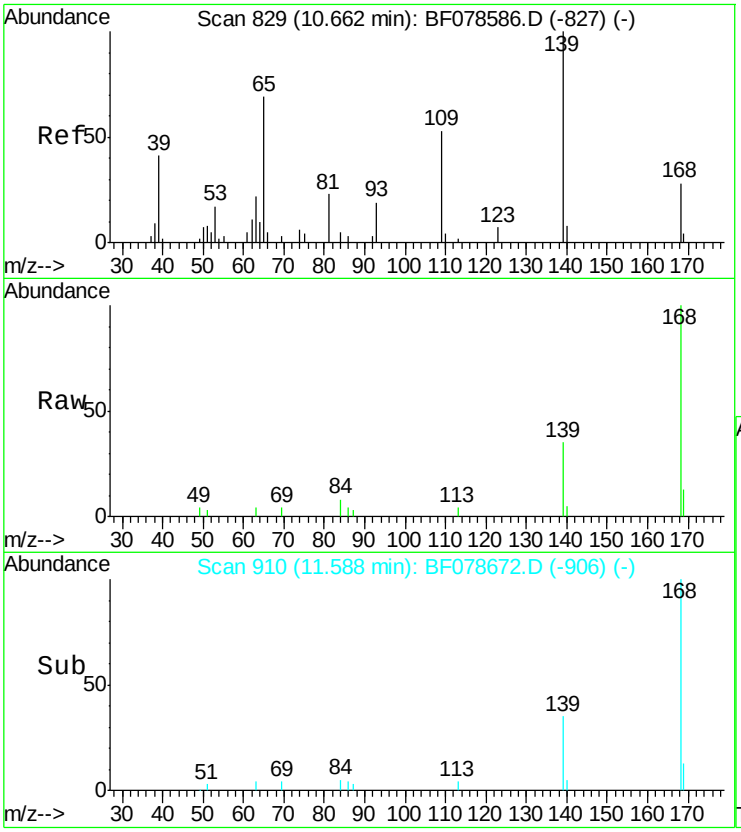




#54
Dibenzofuran
Concen: 2.16 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:168 Resp: 11866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.0 | 31.0 | 46.4 |
| 169 | 12.7 | 10.7 | 16.1 |



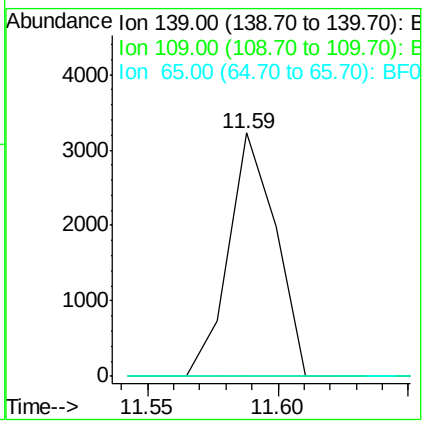


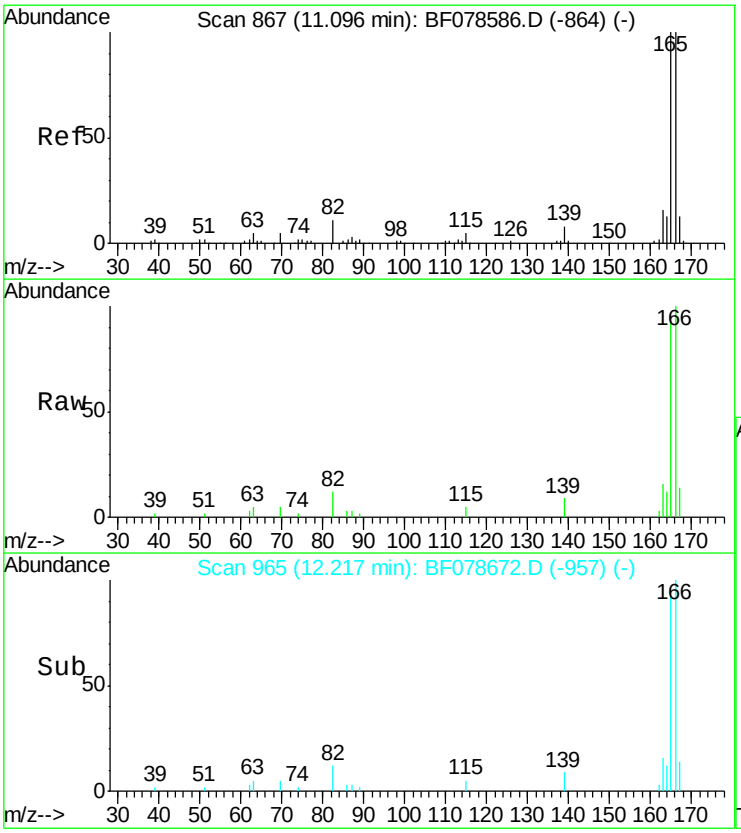

#55
4-Nitrophenol
Concen: 7.73 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:139 Resp: 4090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 36.7 | 76.7# |
| 65 | 0.0 | 49.9 | 89.9# |

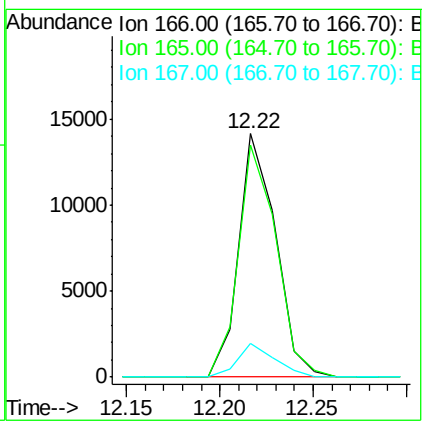


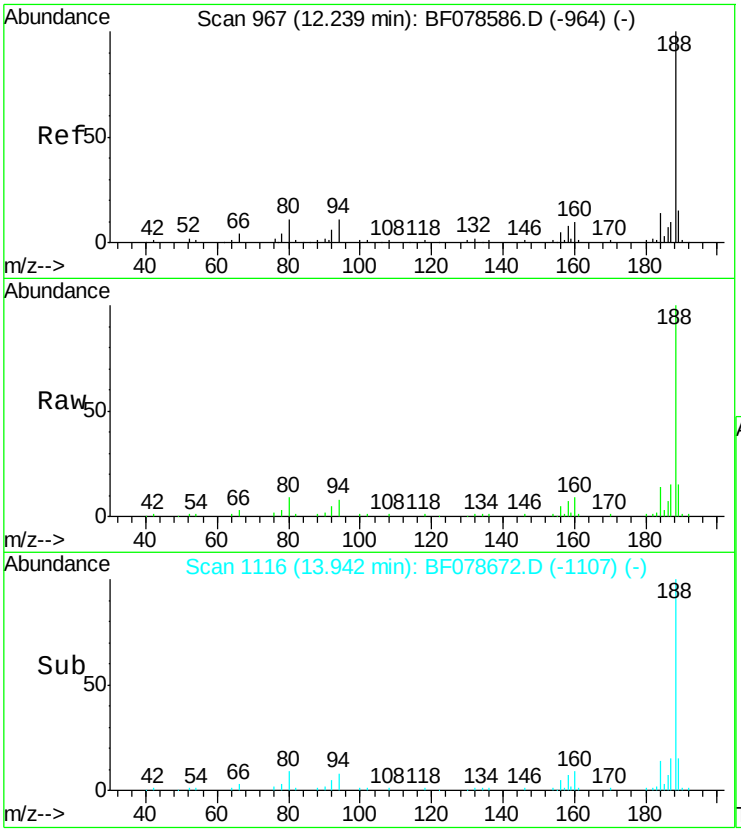




#57
Fluorene
Concen: 4.39 ng
RT: 12.22 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:166 Resp: 19526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.6 | 78.9 | 118.3 |
| 167 | 13.9 | 10.7 | 16.1 |



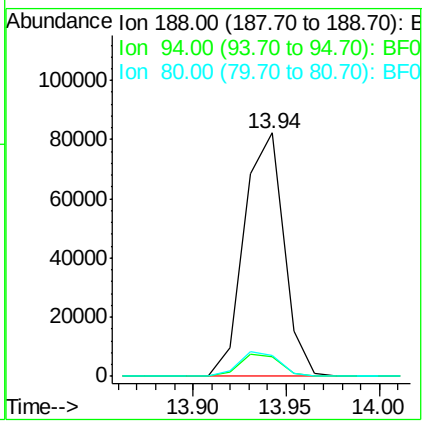


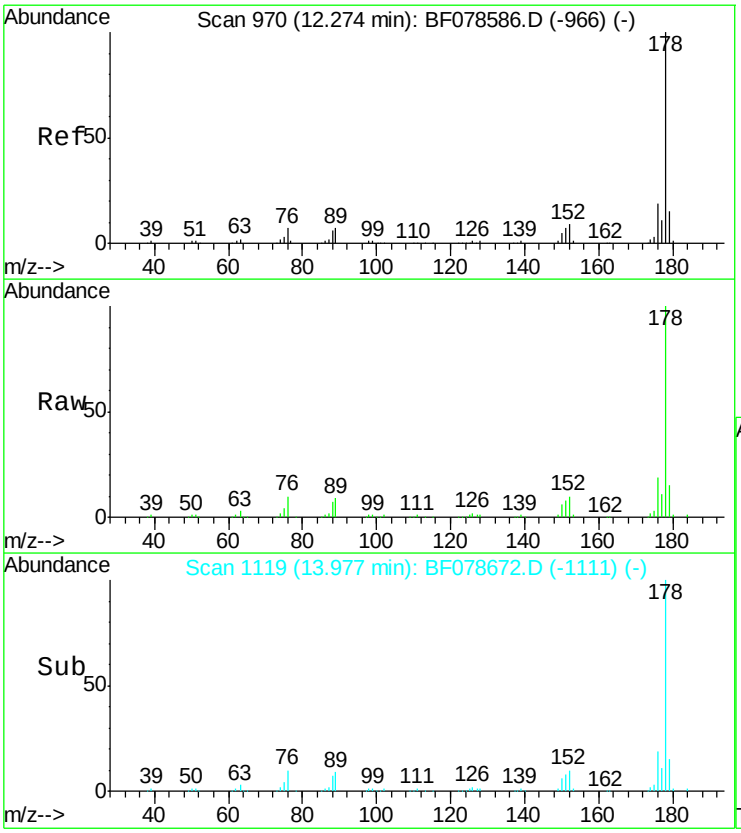

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.94 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:188 Resp: 121323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 9.0 | 13.4# |
| 80 | 8.6 | 9.5 | 14.3# |

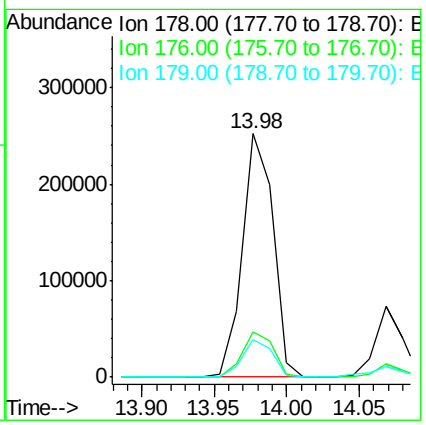


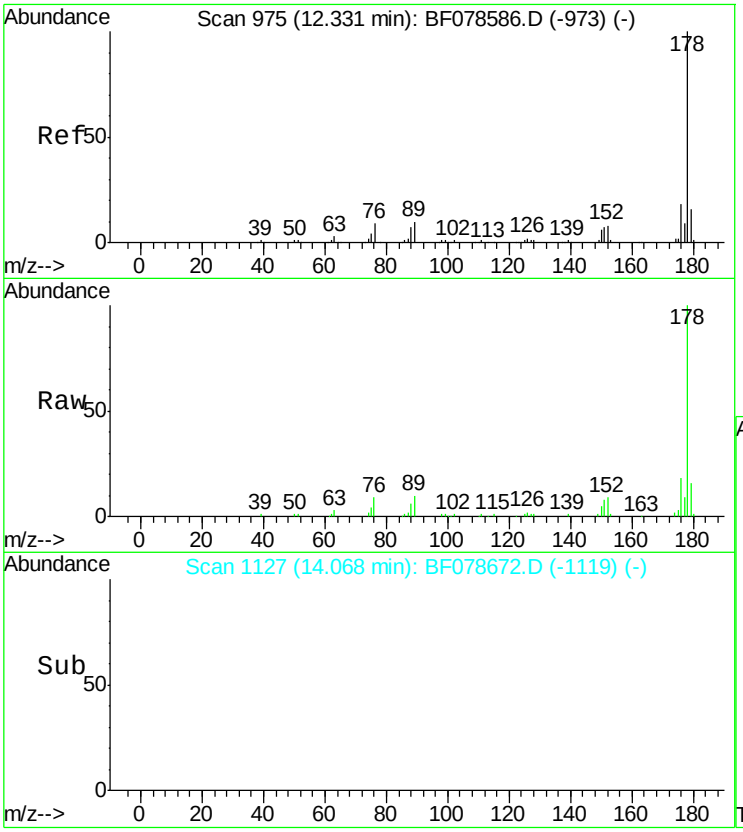




#70
Phenanthrene
Concen: 52.73 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:178 Resp: 370029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.4 | 23.0 |
| 179 | 15.2 | 12.2 | 18.2 |



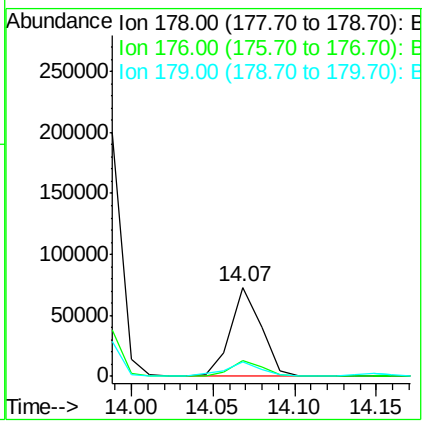


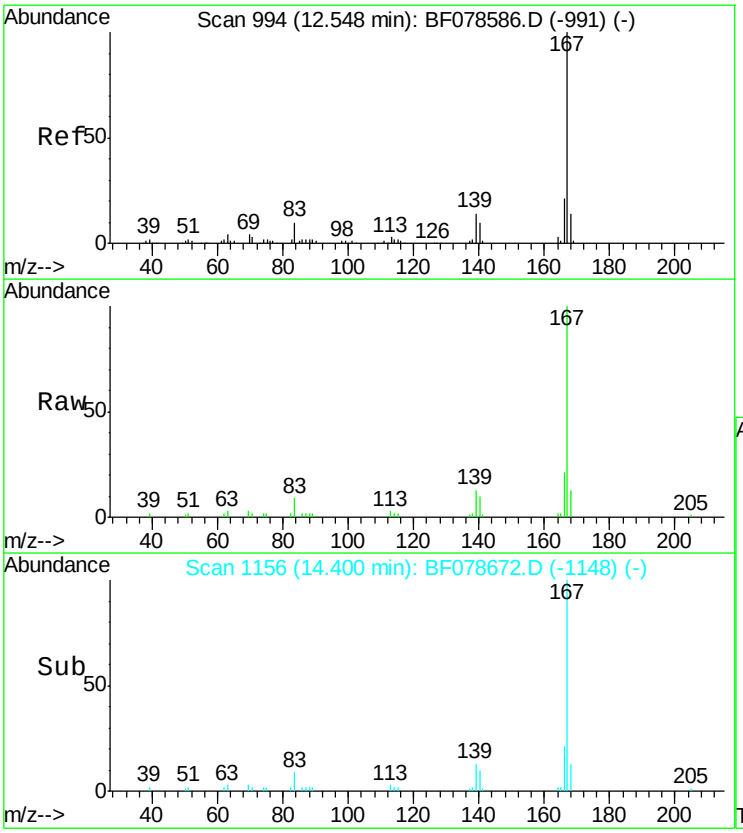

#71
Anthracene
Concen: 13.53 ng
RT: 14.07 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:178 Resp: 93586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.8 | 22.2 |
| 179 | 15.6 | 12.4 | 18.6 |

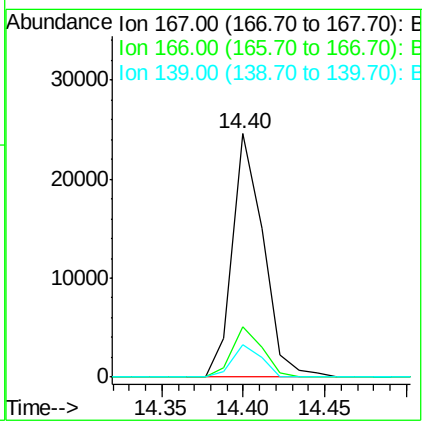


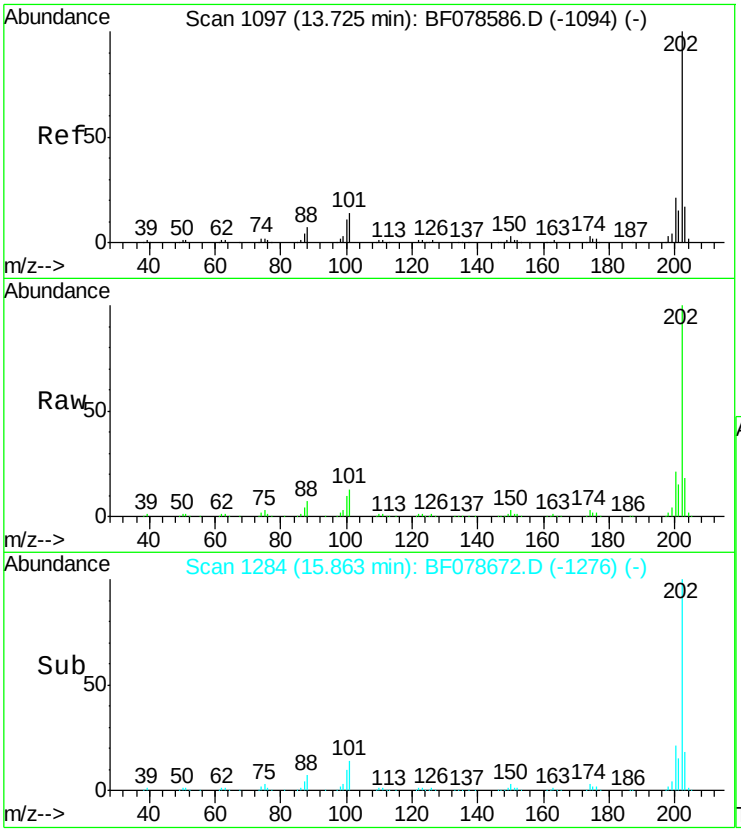




#72
Carbazole
Concen: 4.97 ng
RT: 14.40 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:167 Resp: 32179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.8 | 16.8 | 25.2 |
| 139 | 13.2 | 10.0 | 15.0 |



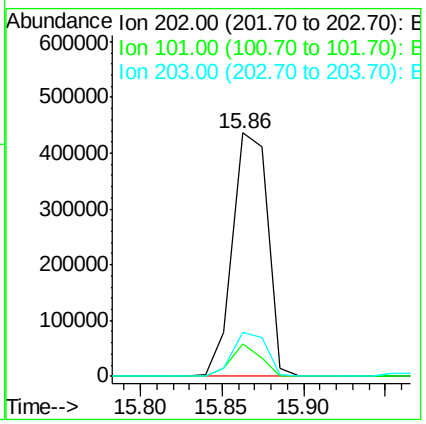


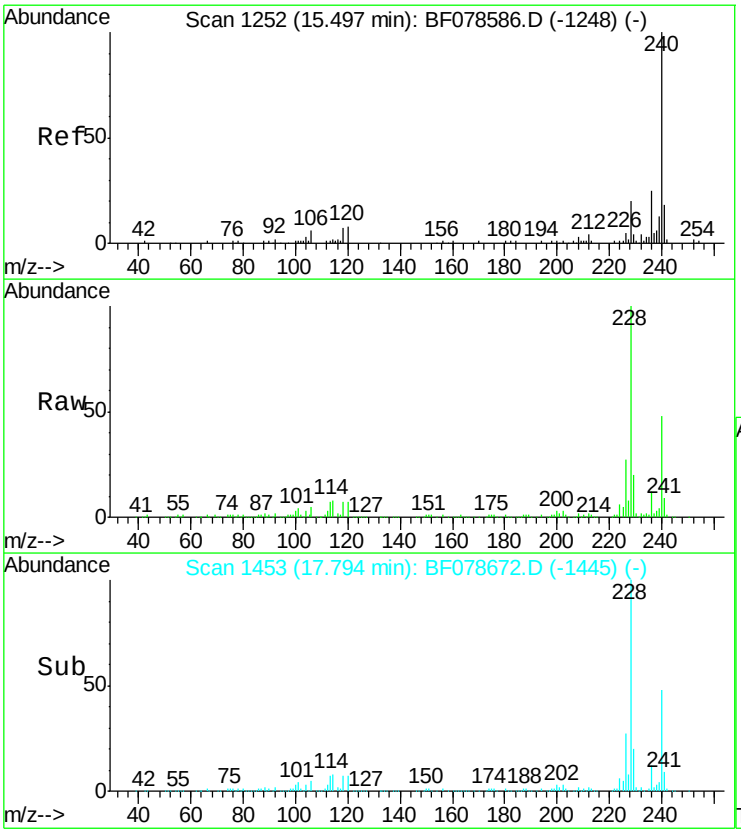

#74
Fluoranthene
Concen: 87.79 ng
RT: 15.86 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:202 Resp: 649770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 0.0 | 35.2 |
| 203 | 18.1 | 0.0 | 38.5 |

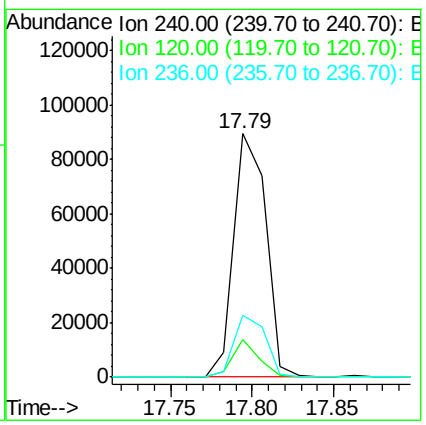


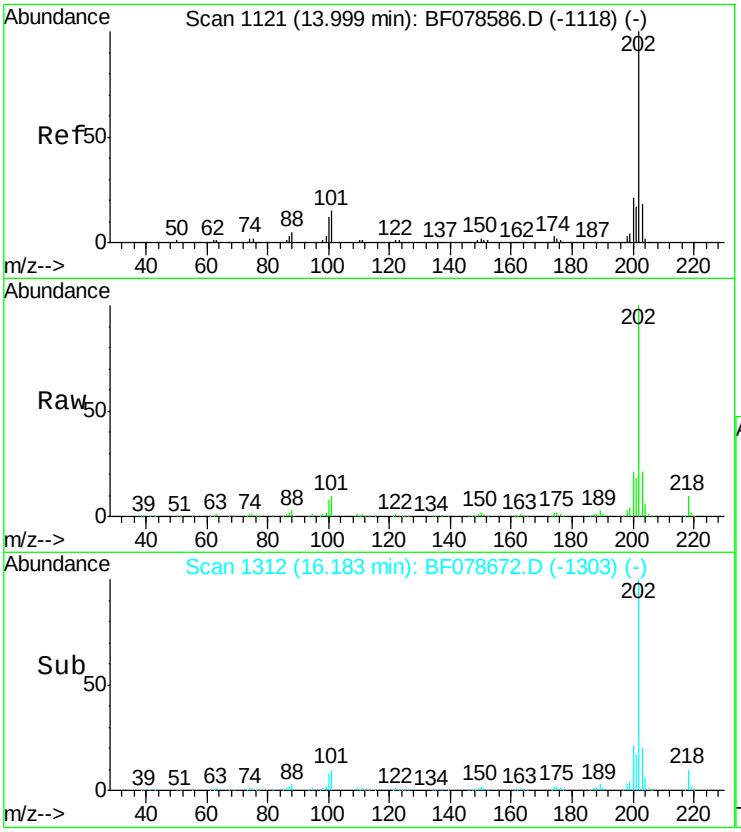




#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.79 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:240 Resp: 122087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.2 | 7.1 | 10.7# |
| 236 | 25.5 | 21.4 | 32.2 |



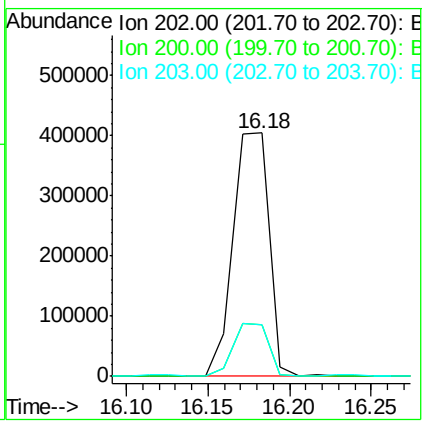


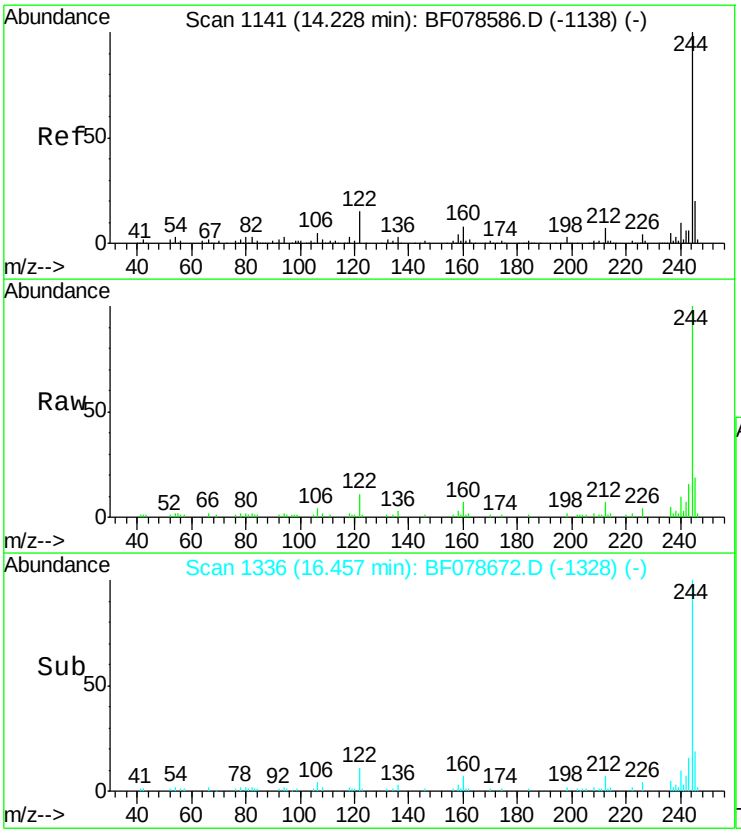

#77
Pyrene
Concen: 80.50 ng
RT: 16.18 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:202 Resp: 616988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.3 | 24.5 |
| 203 | 20.9 | 13.8 | 20.6# |

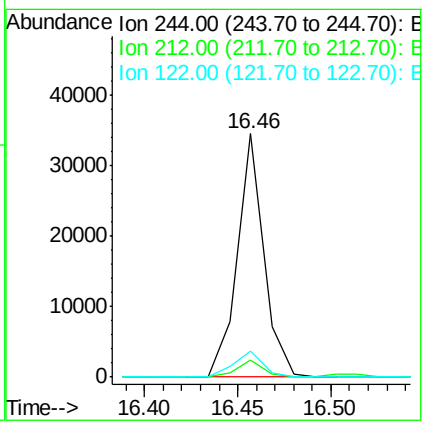


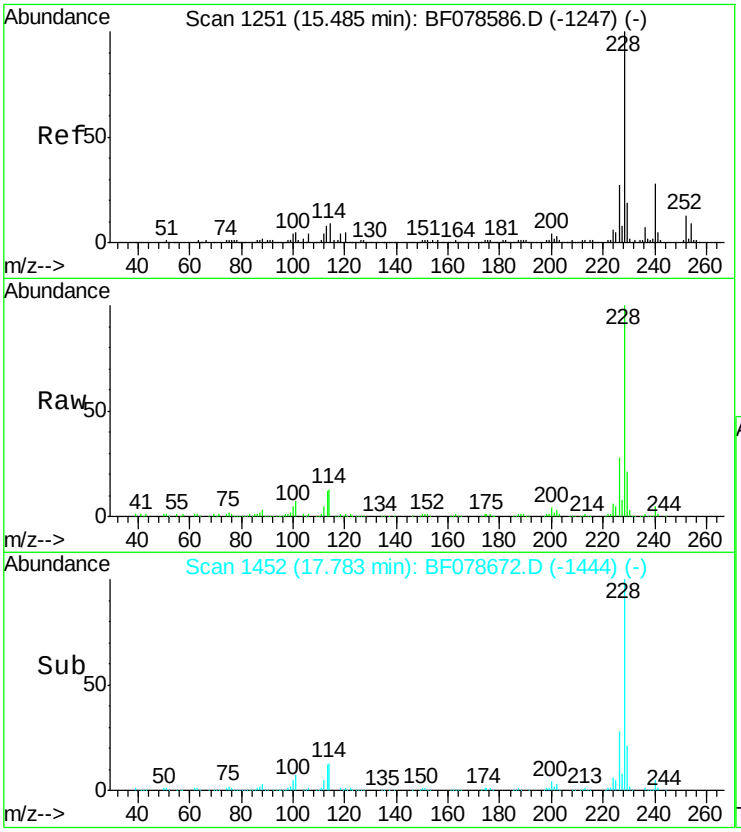




#78
Terphenyl-d14
Concen: 6.33 ng
RT: 16.46 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:244 Resp: 34213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.0 | 7.4 |
| 122 | 10.7 | 7.1 | 10.7 |



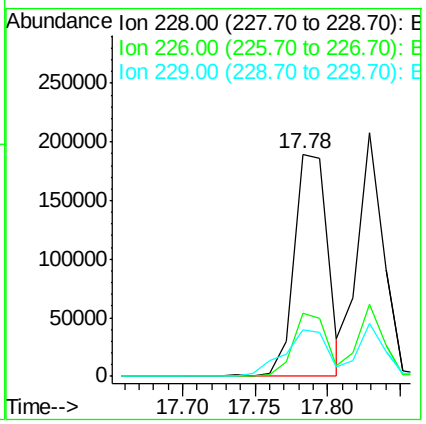


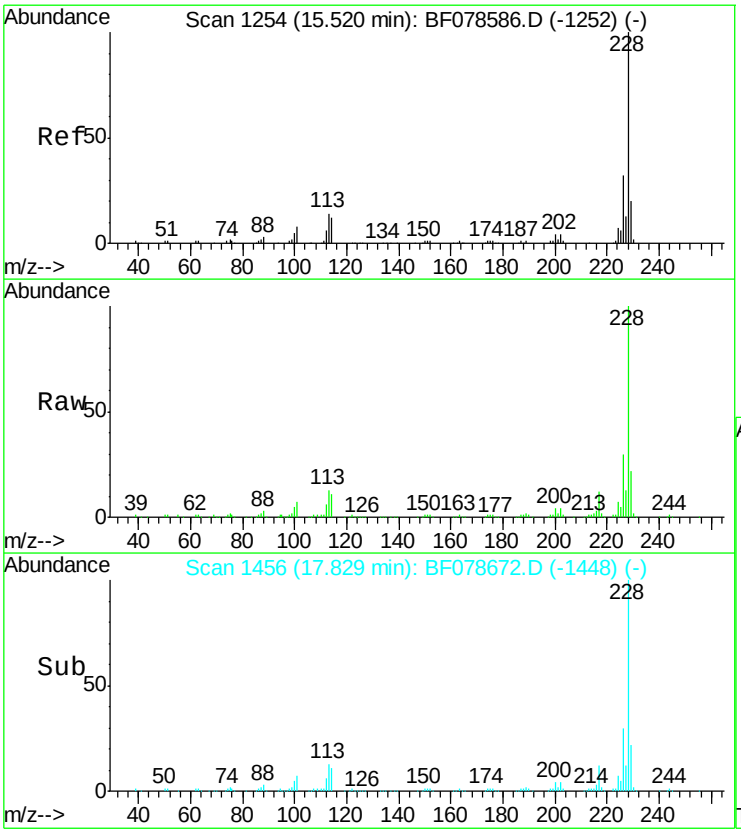

#80
Benzo(a)anthracene
Concen: 41.60 ng
RT: 17.78 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:228 Resp: 302214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.3 | 21.3 | 31.9 |
| 229 | 21.2 | 15.4 | 23.2 |

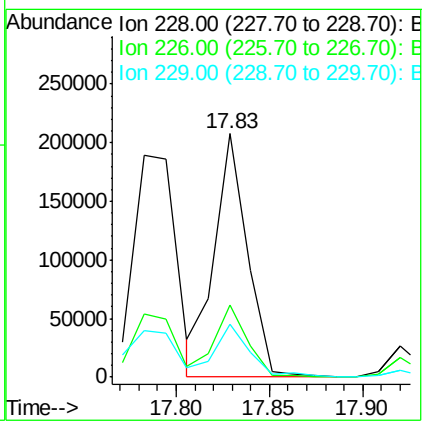


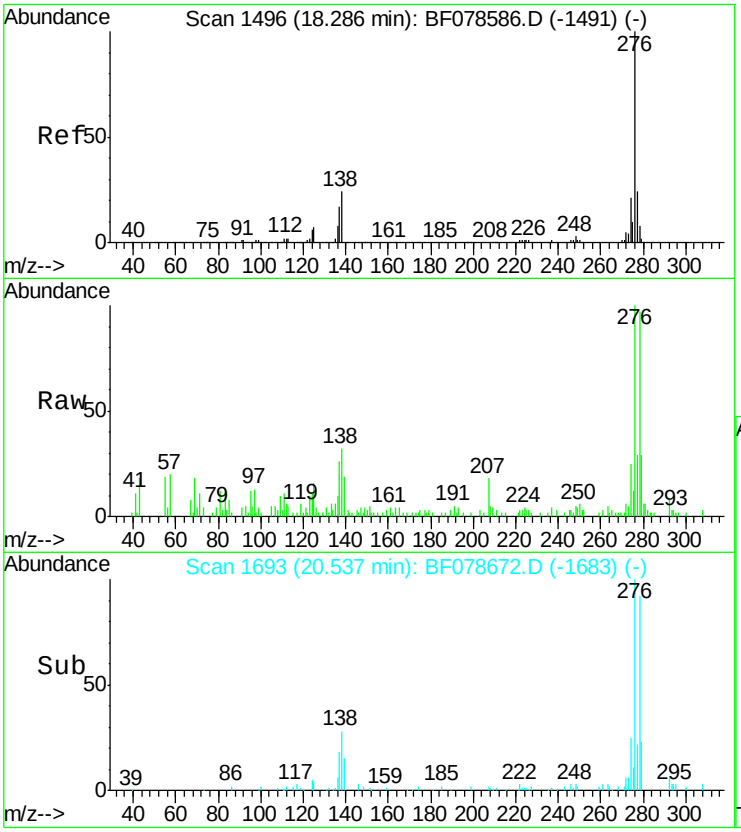




#82
Chrysene
Concen: 37.12 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:228 Resp: 253331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.2 | 36.4 |
| 229 | 21.7 | 15.8 | 23.8 |



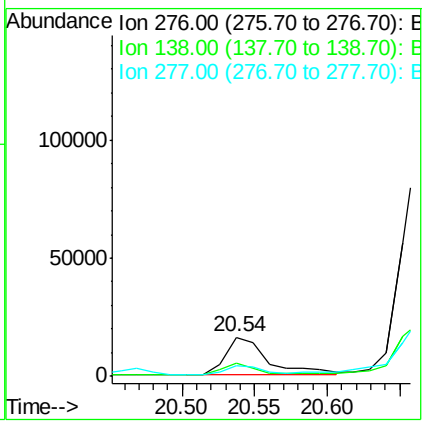


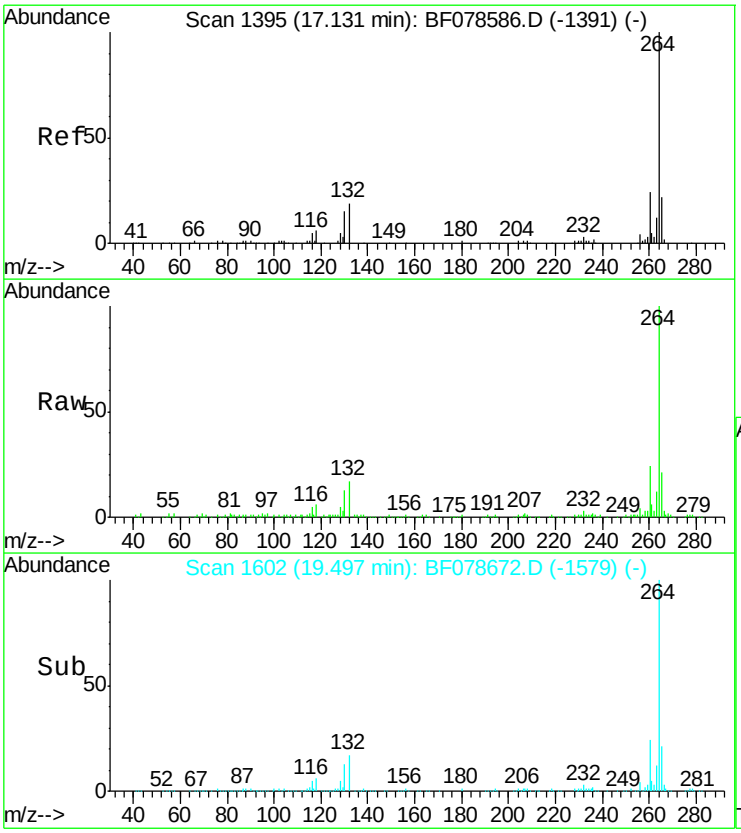

#85
Indeno(1,2,3-cd)pyrene
Concen: 4.26 ng
RT: 20.54 min Scan# 1693
Delta R.T. -0.18 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:276 Resp: 32974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.6 | 16.9 | 25.3 |
| 277 | 22.3 | 15.8 | 23.6 |

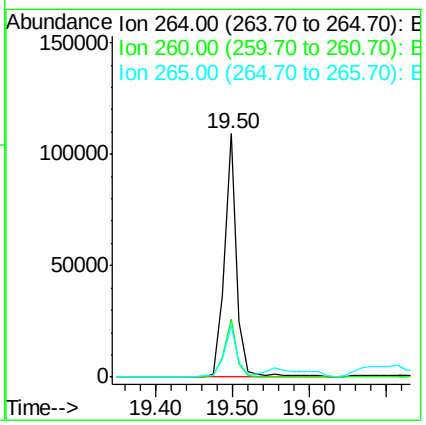


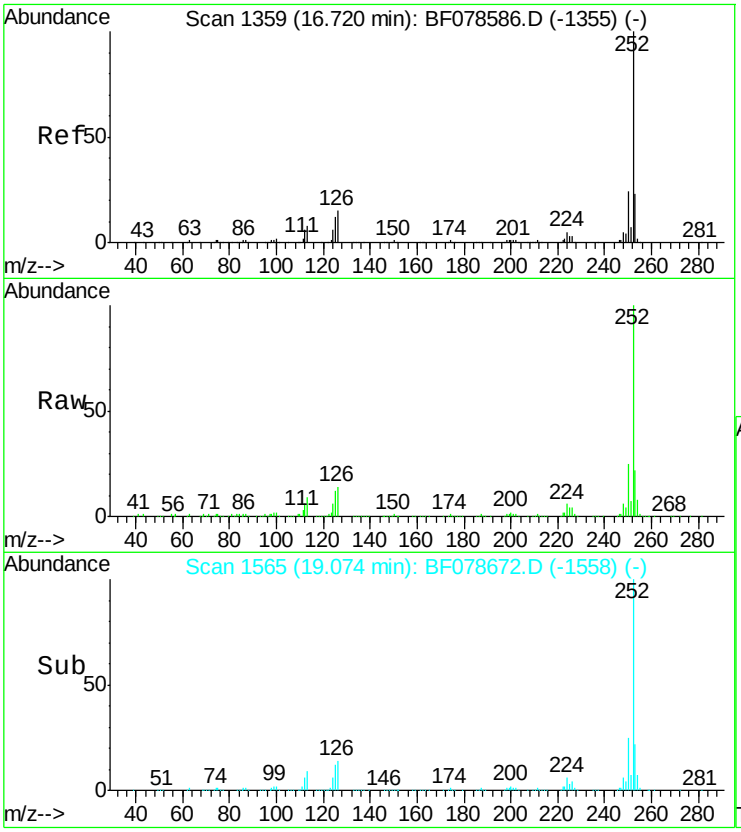




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.50 min Scan# 1602
Delta R.T. -0.03 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:264 Resp: 124645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 18.6 | 27.8 |
| 265 | 21.2 | 17.0 | 25.6 |



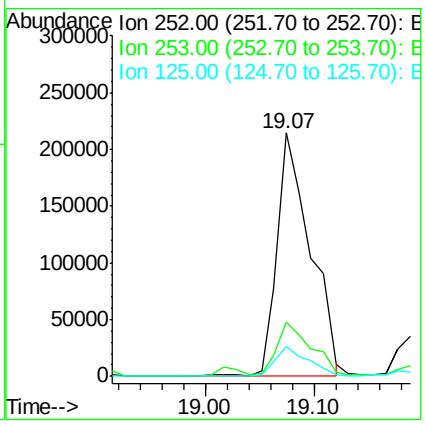


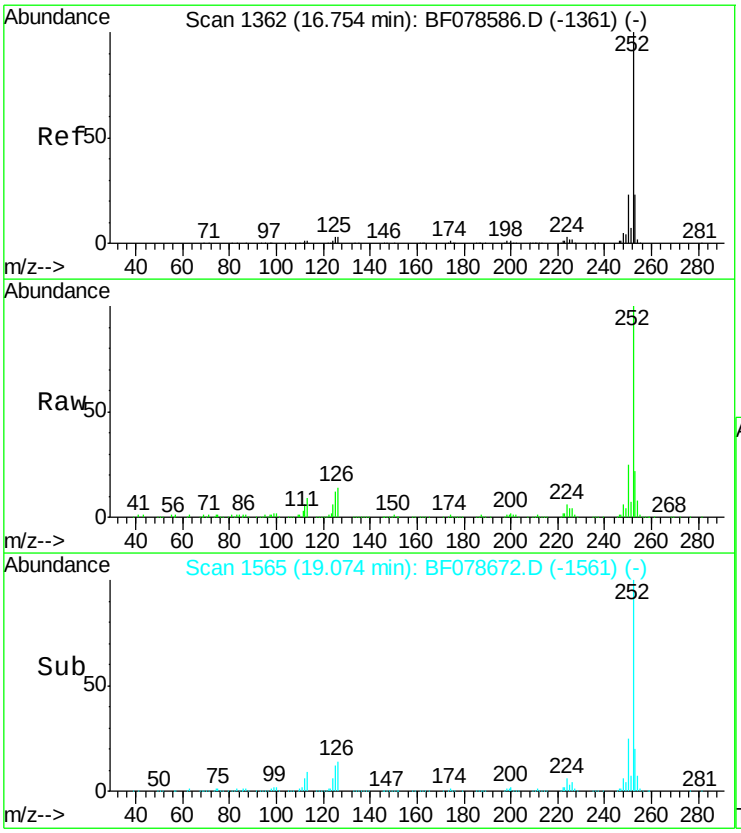

#87
Benzo(b)fluoranthene
Concen: 59.49 ng
RT: 19.07 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:252 Resp: 458270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.2 | 25.8 |
| 125 | 12.0 | 7.0 | 10.4# |

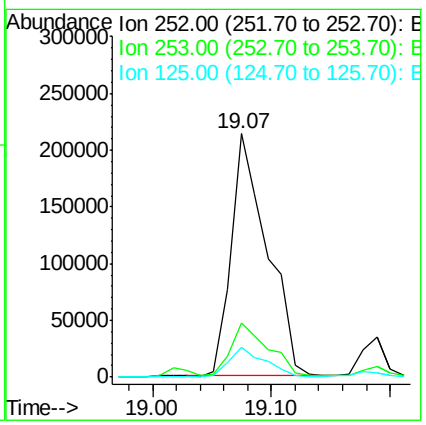


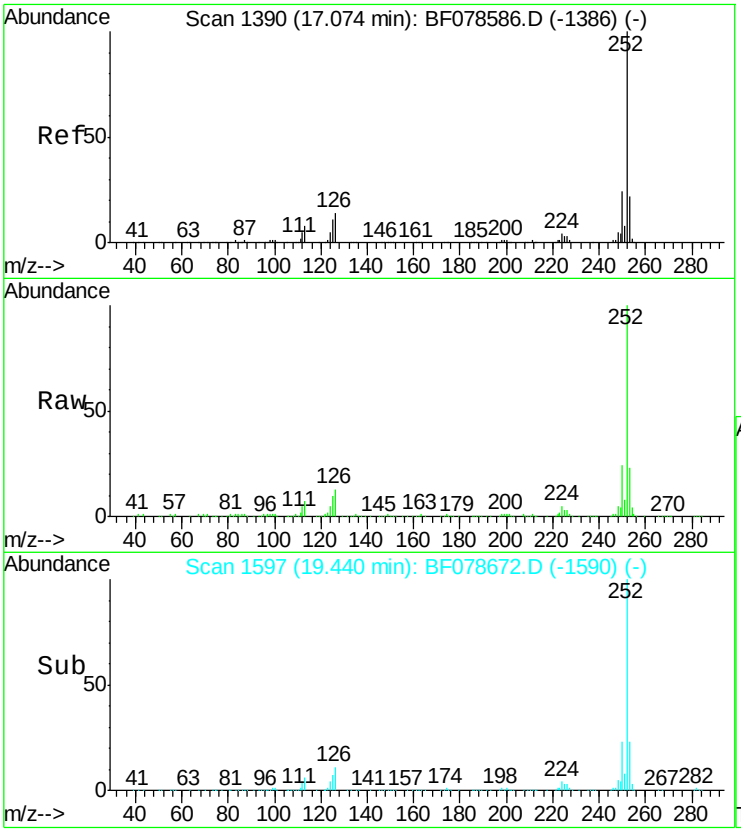




#88
Benzo(k)fluoranthene
Concen: 66.00 ng
RT: 19.07 min Scan# 1565
Delta R.T. -0.06 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:252 Resp: 451836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 12.0 | 11.6 | 17.4 |



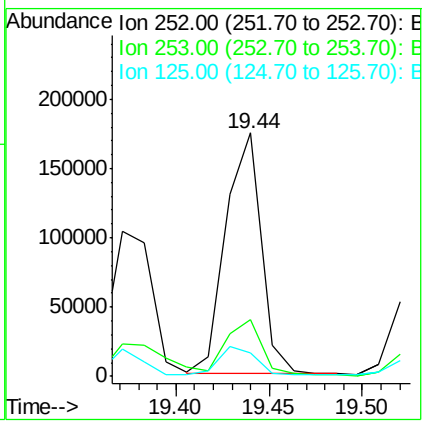


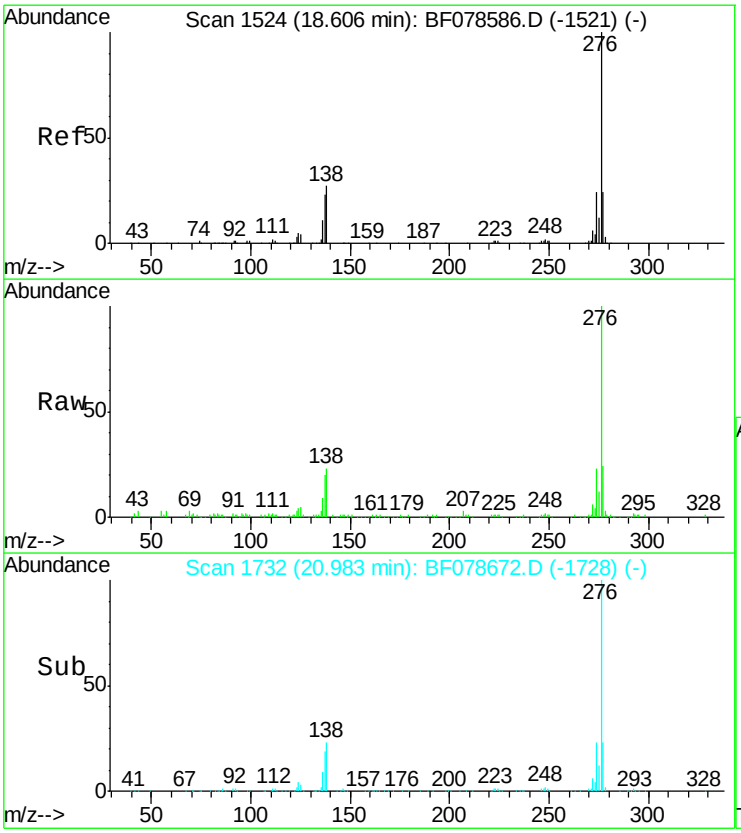

#89
Benzo(a)pyrene
Concen: 34.64 ng
RT: 19.44 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

**Instrument :**
BNA_F
**ClientSampleId :**
SP-B-3

Tgt Ion:252 Resp: 232879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 16.8 | 25.2 |
| 125 | 9.7 | 7.4 | 11.0 |




#91
Benzo(g,h,i)perylene
Concen: 22.18 ng
RT: 20.98 min Scan# 1732
Delta R.T. -0.06 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:276 Resp: 149661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 22.8 | 19.9 | 29.9 |