Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
Data File : BF078750.D
Acq On : 23 Apr 2015 15:57
Operator : TP/IZ
Sample : G1938-17RE 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-79S

Quant Time: Apr 24 01:03:02 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 24 00:49:54 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.76 | 152 | 19015 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 7.91 | 136 | 77663 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 11.10 | 164 | 38461 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 13.83 | 188 | 80148 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 17.70 | 240 | 92018 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 19.42 | 264 | 96175 | 20.00 | ng | | -0.08 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 3.77 | 112 | 27331 | 23.70 | ng | | 0.00 |
| 7) Phenol-d6 | 5.26 | 99 | 39731 | 27.49 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.70 | 82 | 22215 | 17.34 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.57 | 330 | 6809 | 21.35 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.92 | 172 | 48262 | 17.94 | ng | | -0.01 |
| 78) Terphenyl-d14 | 16.37 | 244 | 60403 | 14.83 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 70) Phenanthrene | 13.86 | 178 | 9994 | 2.16 | ng | | 98 |
| 74) Fluoranthene | 15.77 | 202 | 25218 | 5.16 | ng | | 92 |
| 77) Pyrene | 16.08 | 202 | 24388 | 4.22 | ng | | 95 |
| 80) Benzo(a)anthracene | 17.69 | 228 | 14800 | 2.70 | ng | | 92 |
| 82) Chrysene | 17.69 | 228 | 14804 | 2.88 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 18.99 | 252 | 24104 | 4.06 | ng | # | 89 |
| 88) Benzo(k)fluoranthene | 18.99 | 252 | 24447 | 4.63 | ng | | 95 |
| 89) Benzo(a)pyrene | 19.35 | 252 | 14460 | 2.79 | ng | # | 88 |

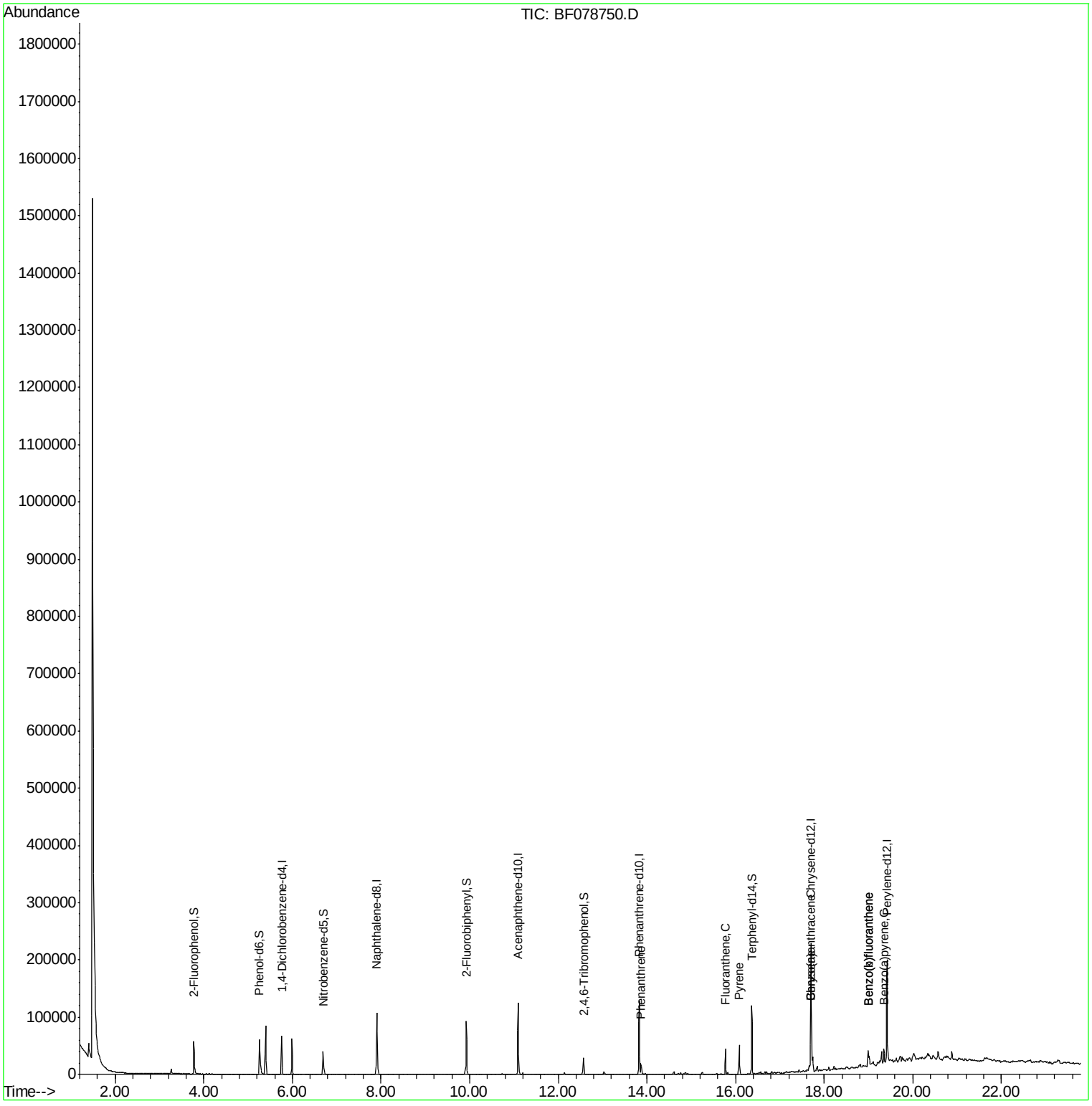
(#) = qualifier out of range (m) = manual integration (+) = signals summed

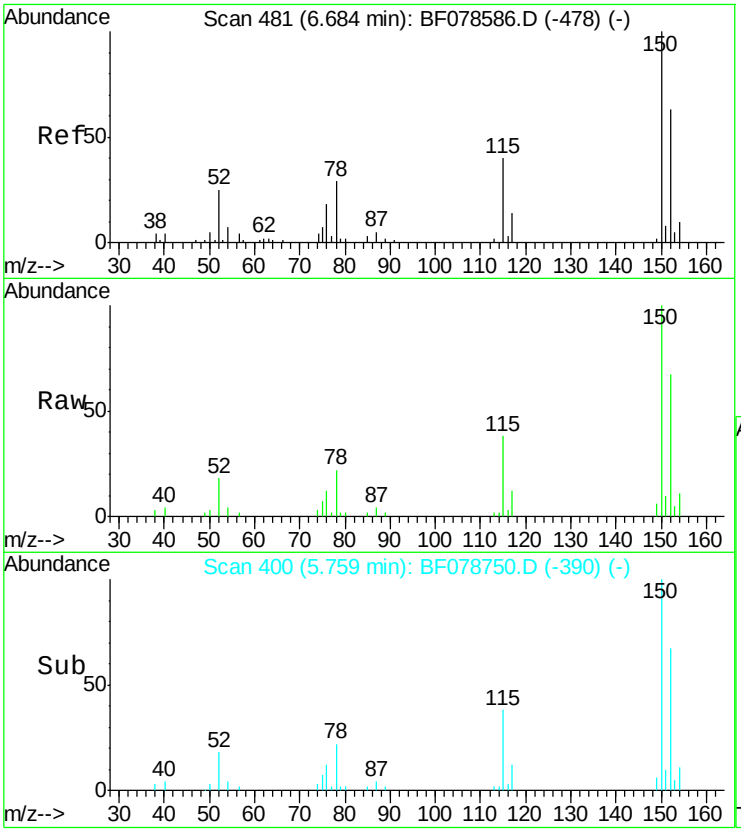
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
Data File : BF078750.D
Acq On : 23 Apr 2015 15:57
Operator : TP/IZ
Sample : G1938-17RE 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Quant Time: Apr 24 01:03:02 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 24 00:49:54 2015
Response via : Initial Calibration



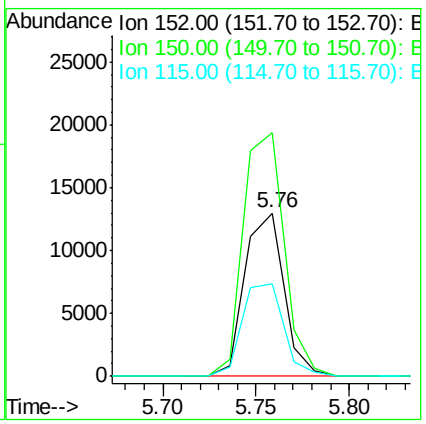


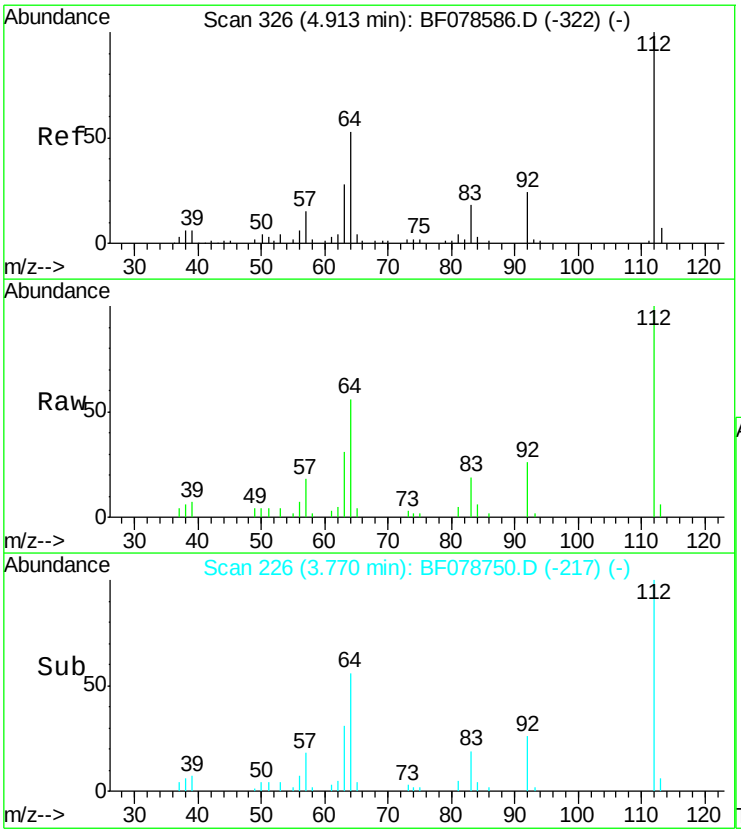

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 400
Delta R.T. 0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:152 Resp: 19015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.9 | 125.9 | 188.9 |
| 115 | 56.3 | 52.7 | 79.1 |

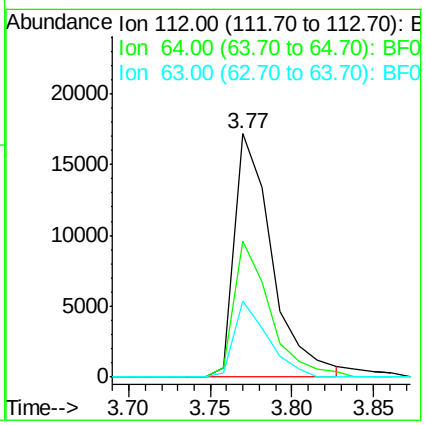


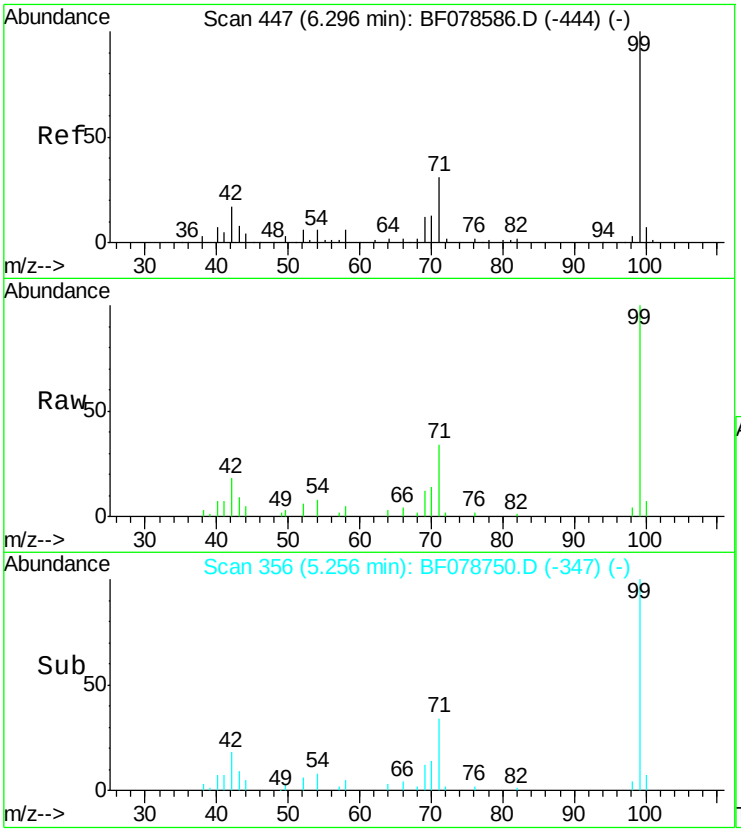




#5
2-Fluorophenol
Concen: 23.70 ng
RT: 3.77 min Scan# 226
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:112 Resp: 27331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.1 | 39.9 | 59.9 |
| 63 | 31.0 | 20.2 | 30.4# |



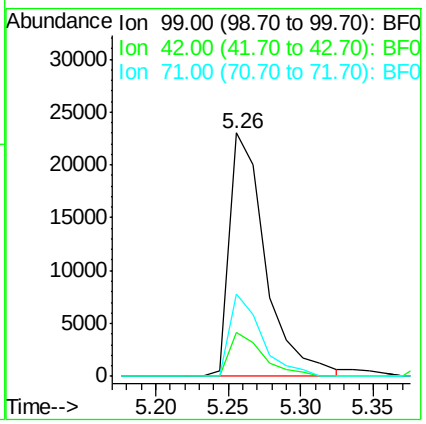


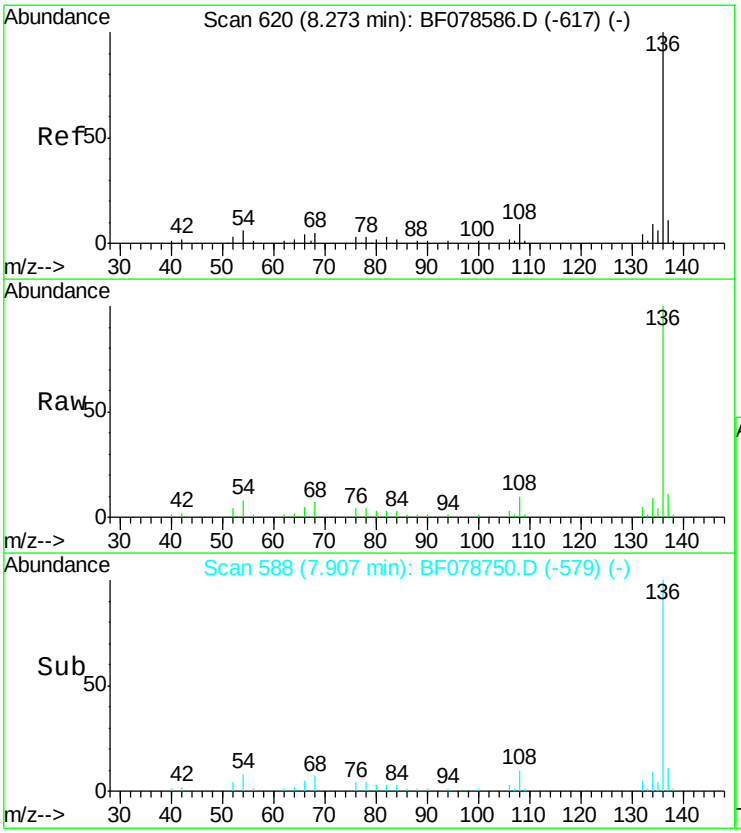

#7
Phenol-d6
Concen: 27.49 ng
RT: 5.26 min Scan# 356
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion: 99 Resp: 39731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 14.8 | 22.2 |
| 71 | 33.7 | 26.6 | 39.8 |

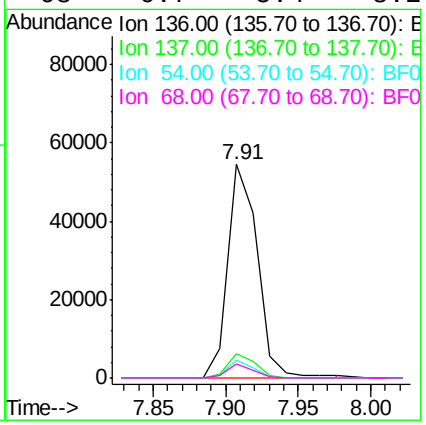


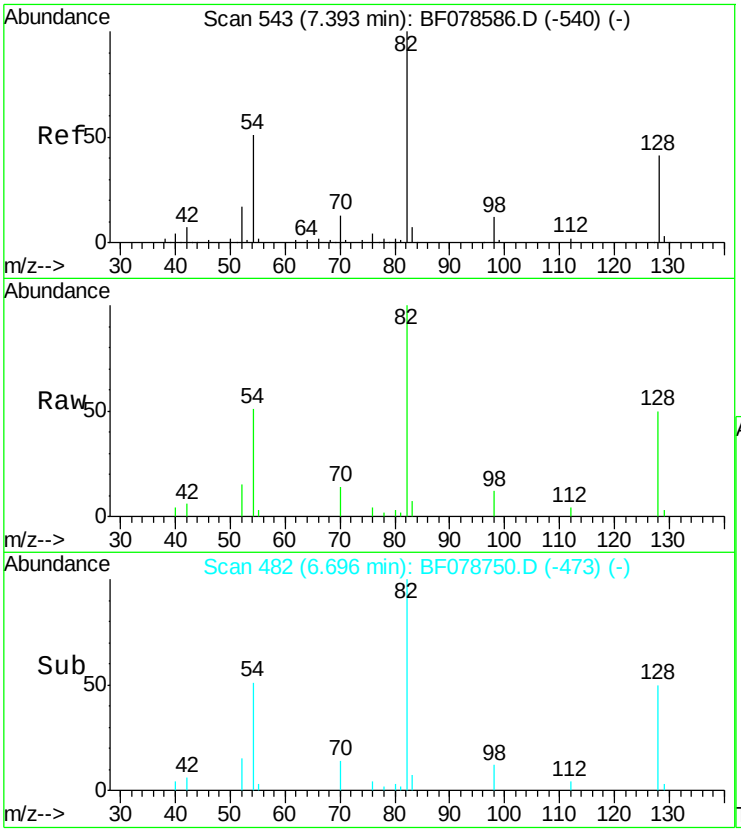




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:136 Resp: 77663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.0 | 13.4 |
| 54 | 8.3 | 7.0 | 10.6 |
| 68 | 6.7 | 5.4 | 8.2 |



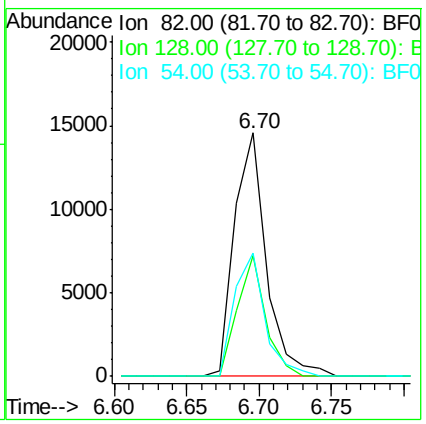


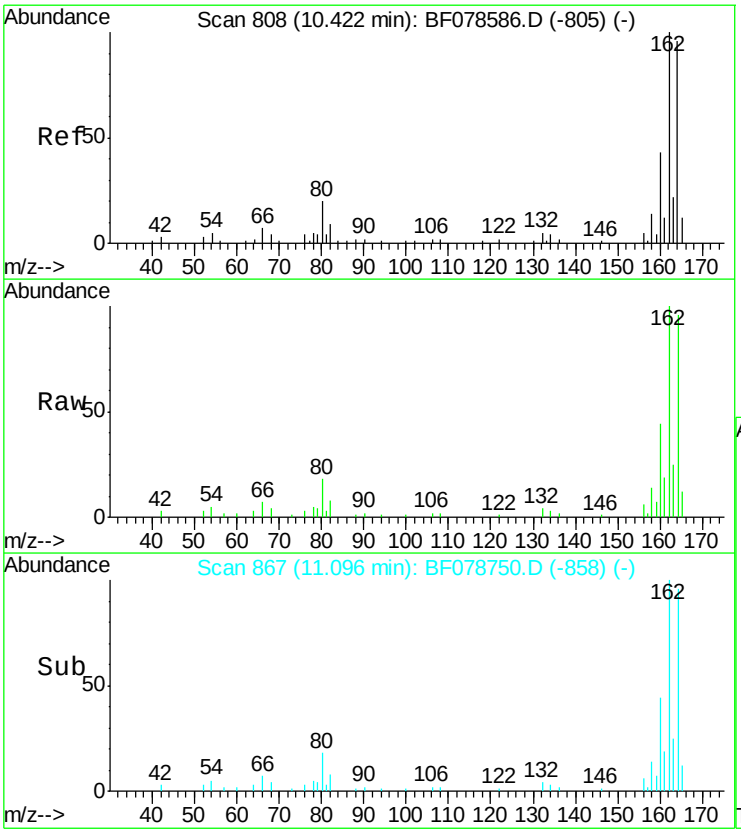

#23
Nitrobenzene-d5
Concen: 17.34 ng
RT: 6.70 min Scan# 482
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion: 82 Resp: 22215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.6 | 31.8 | 47.8# |
| 54 | 50.8 | 41.5 | 62.3 |

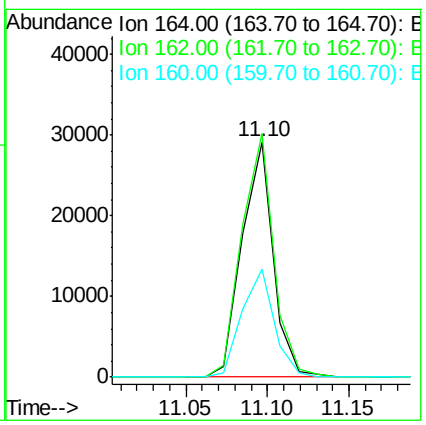


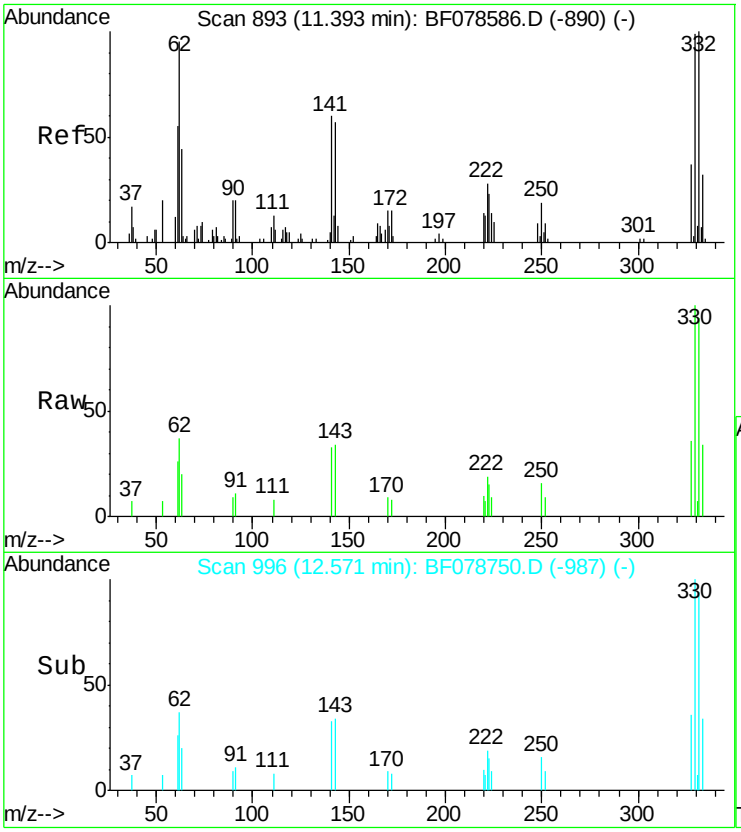




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:164 Resp: 38461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.7 | 82.2 | 123.2 |
| 160 | 45.8 | 34.7 | 52.1 |



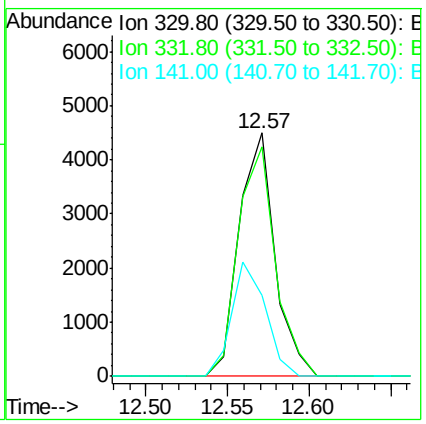


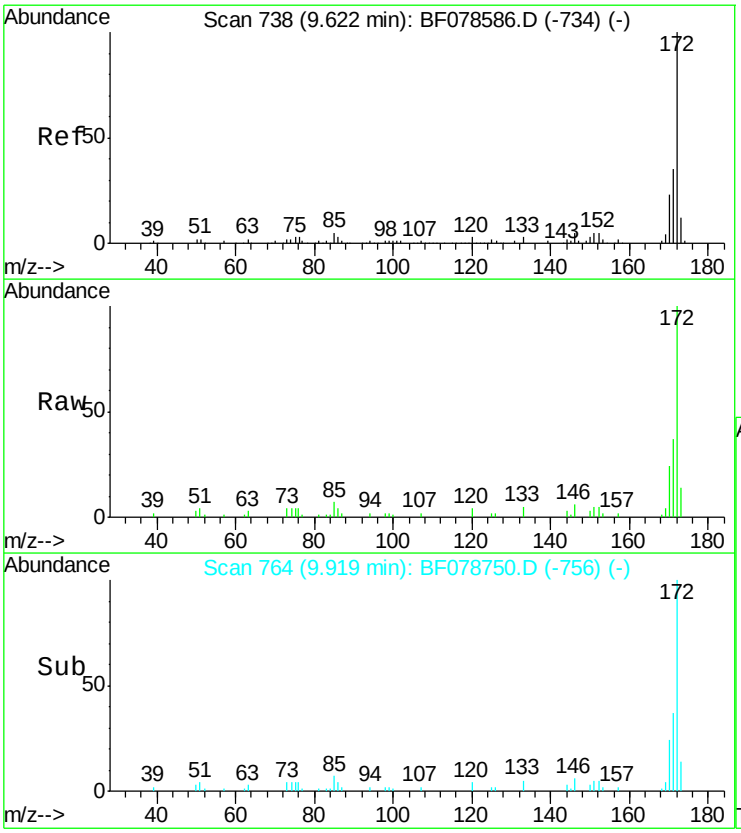

#41
2,4,6-Tribromophenol
Concen: 21.35 ng
RT: 12.57 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:330 Resp: 6809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.4 | 78.6 | 117.8 |
| 141 | 44.4 | 31.2 | 46.8 |

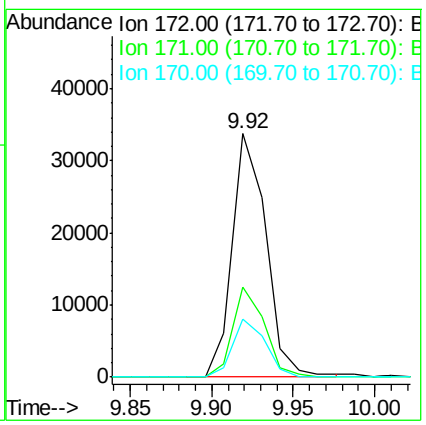


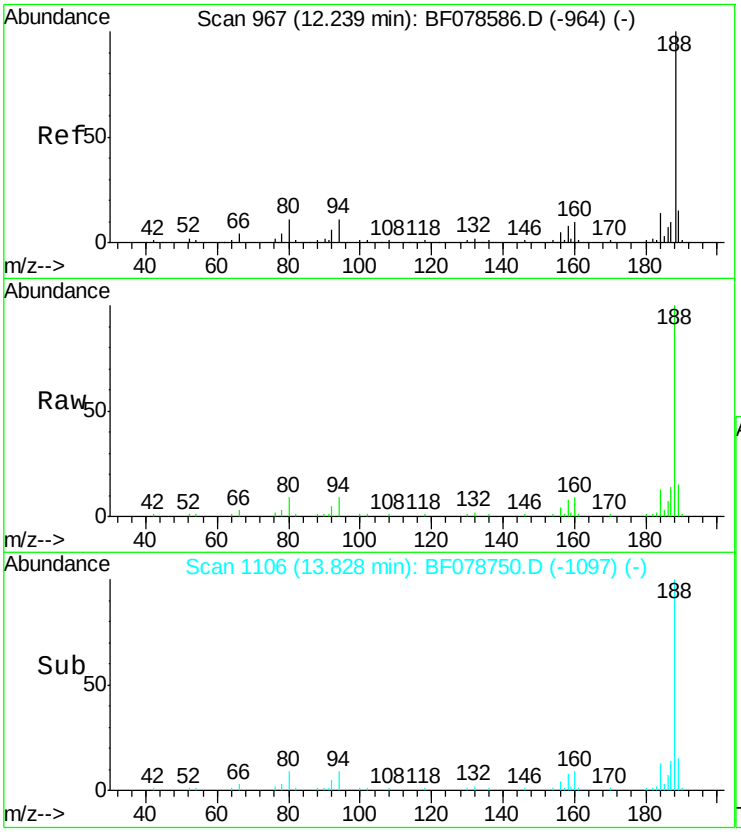




#44
2-Fluorobiphenyl
Concen: 17.94 ng
RT: 9.92 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:172 Resp: 48262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 28.6 | 42.8 |
| 170 | 23.8 | 18.5 | 27.7 |



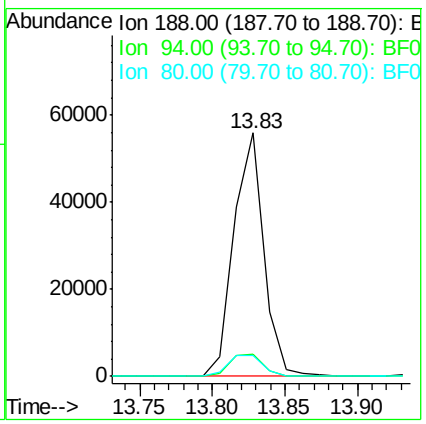


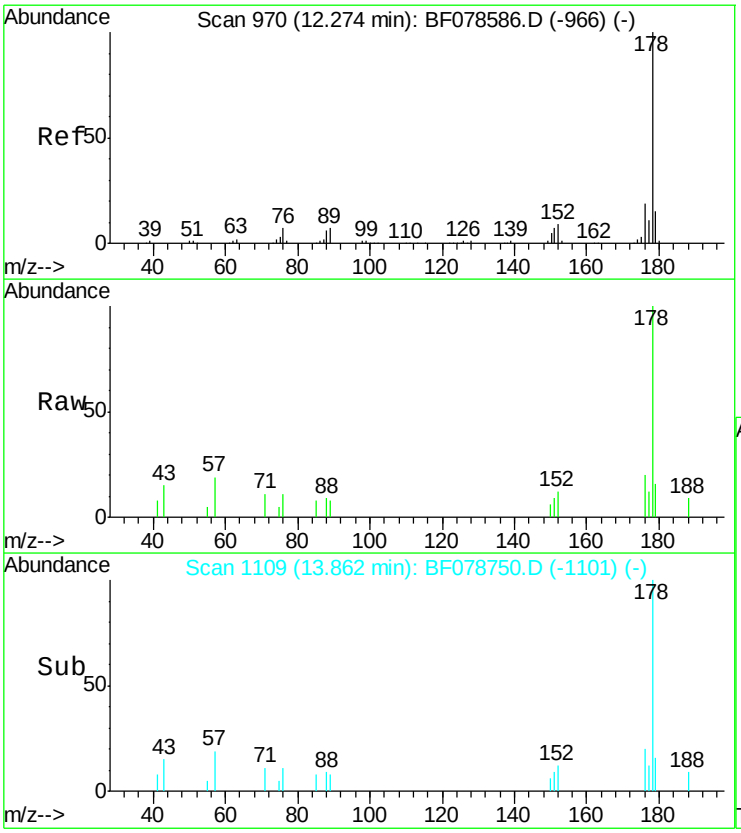

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.83 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:188 Resp: 80148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 9.0 | 13.4# |
| 80 | 8.8 | 9.5 | 14.3# |

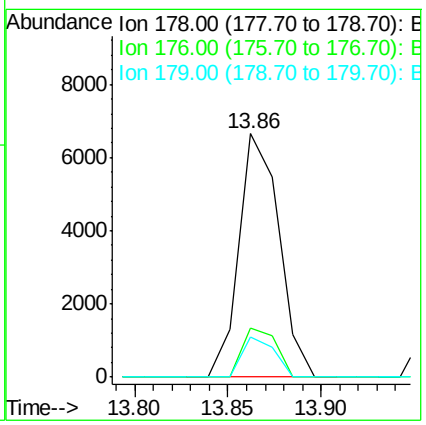


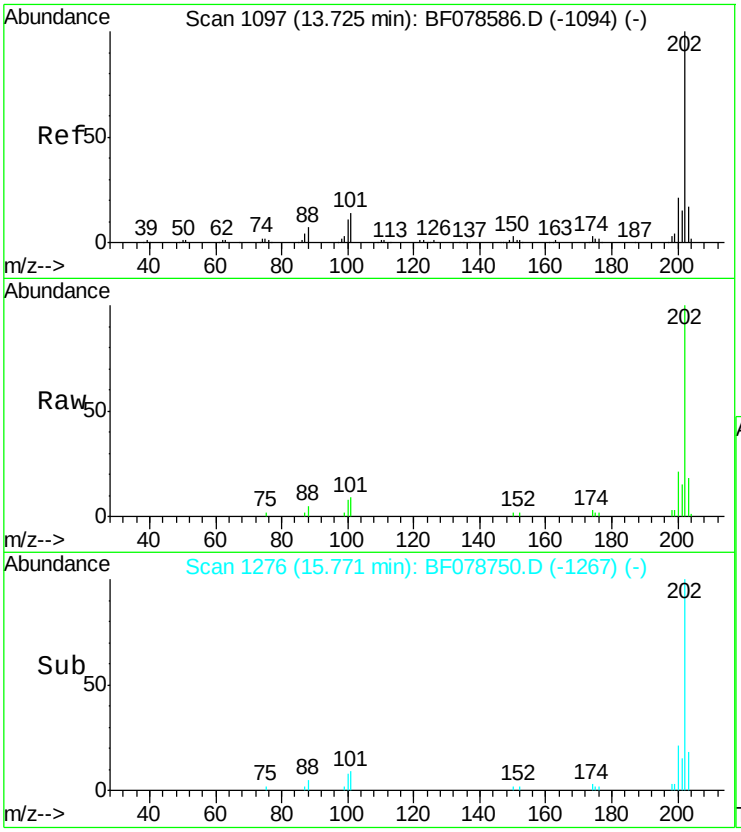




#70
Phenanthrene
Concen: 2.16 ng
RT: 13.86 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:178 Resp: 9994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 15.4 | 23.0 |
| 179 | 16.2 | 12.2 | 18.2 |



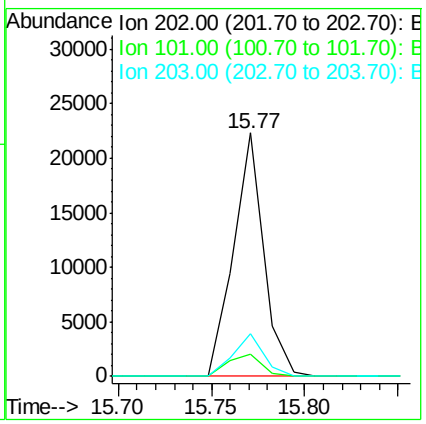


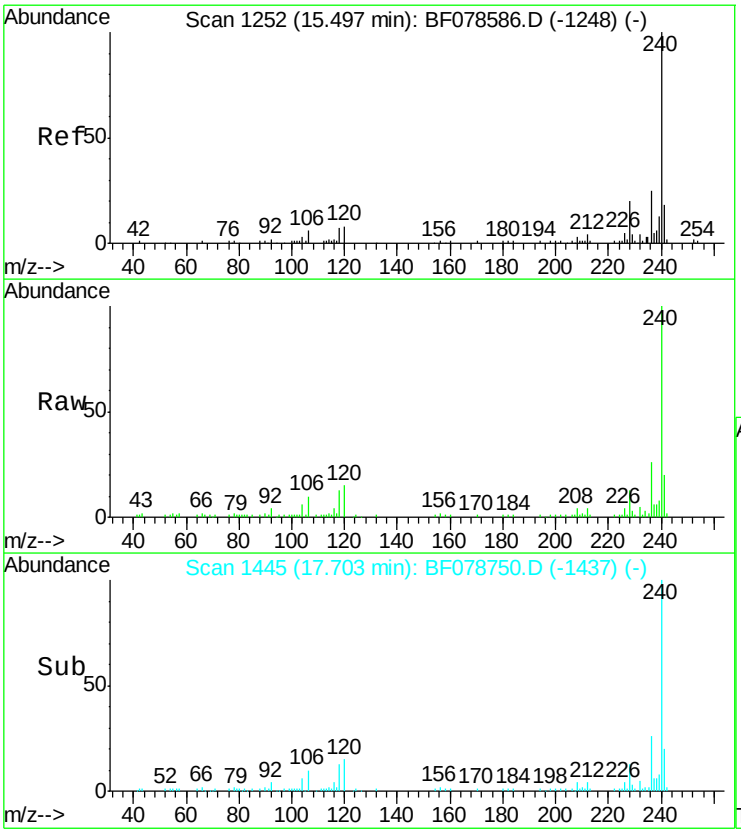

#74
Fluoranthene
Concen: 5.16 ng
RT: 15.77 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:202 Resp: 25218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.8 | 0.0 | 35.2 |
| 203 | 17.6 | 0.0 | 38.5 |

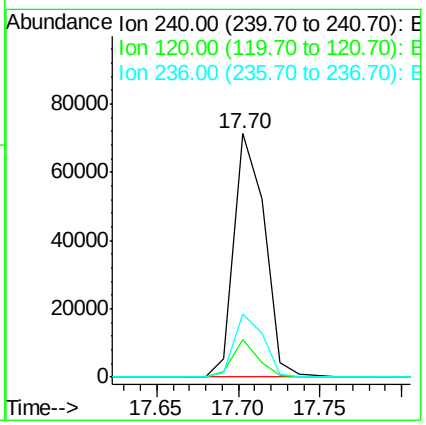


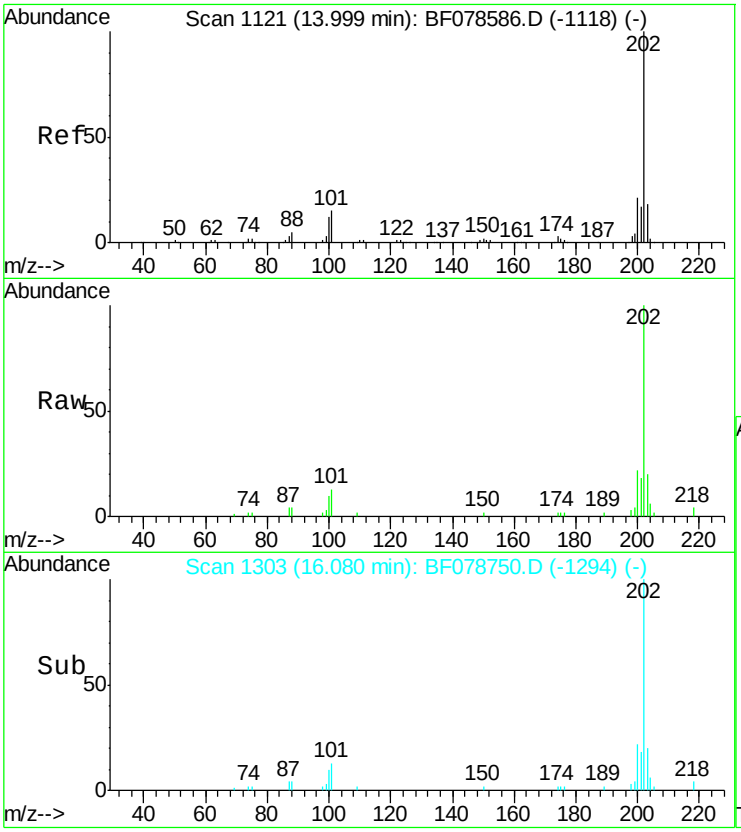




#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.70 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:240 Resp: 92018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.3 | 7.1 | 10.7# |
| 236 | 25.7 | 21.4 | 32.2 |



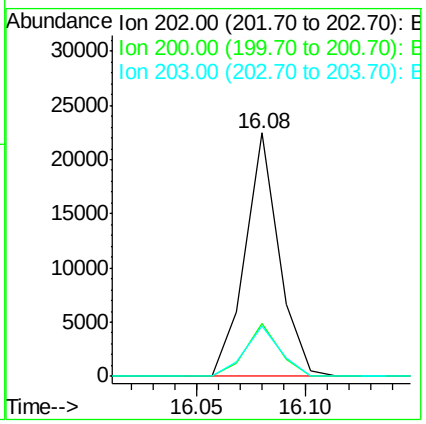


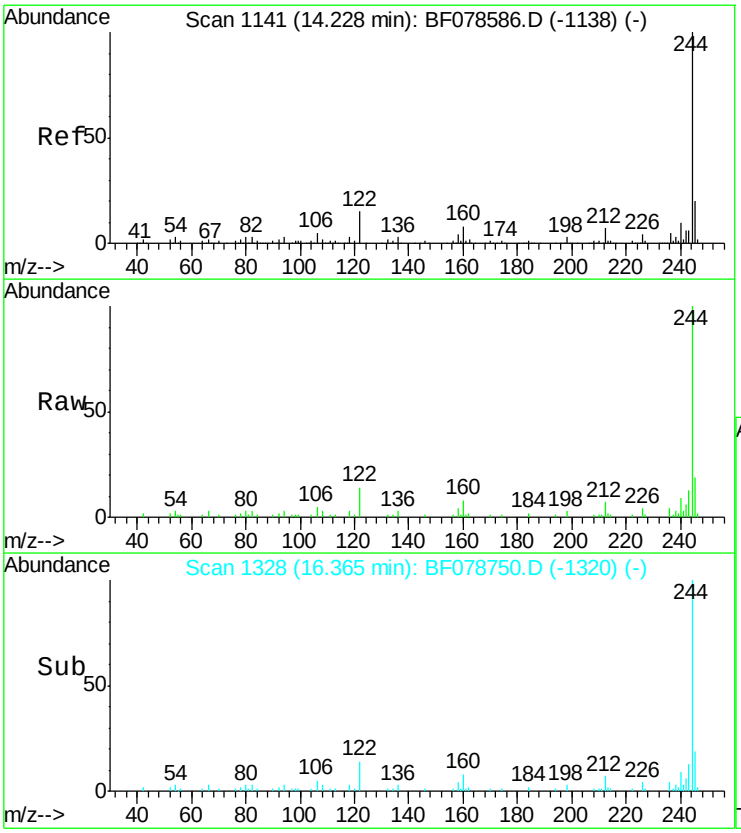

#77
Pyrene
Concen: 4.22 ng
RT: 16.08 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:202 Resp: 24388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 16.3 | 24.5 |
| 203 | 20.4 | 13.8 | 20.6 |

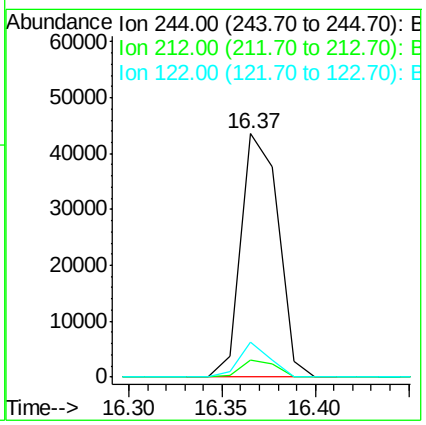


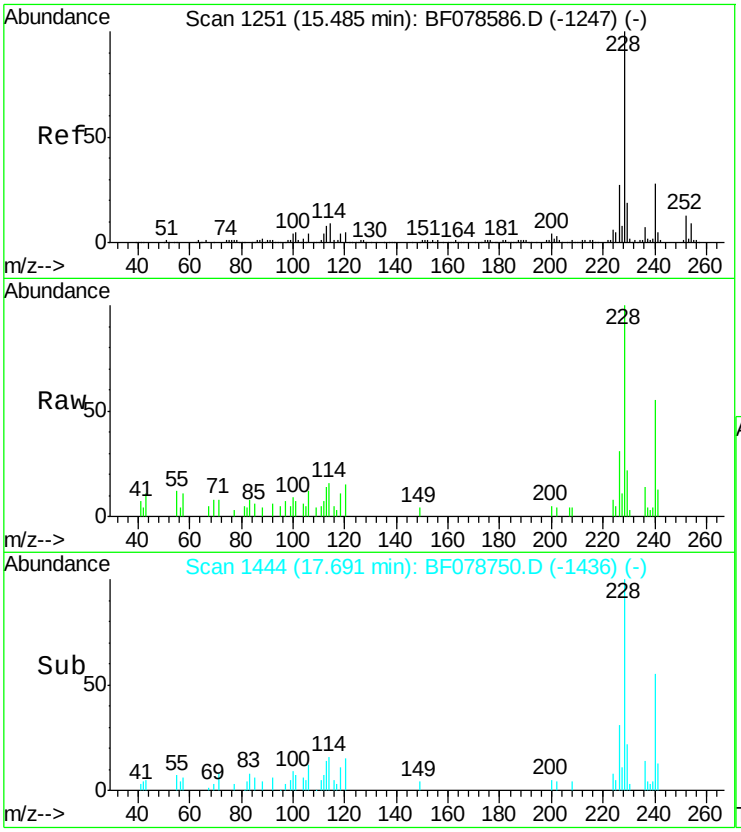




#78
Terphenyl-d14
Concen: 14.83 ng
RT: 16.37 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:244 Resp: 60403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.0 | 7.4 |
| 122 | 14.1 | 7.1 | 10.7# |



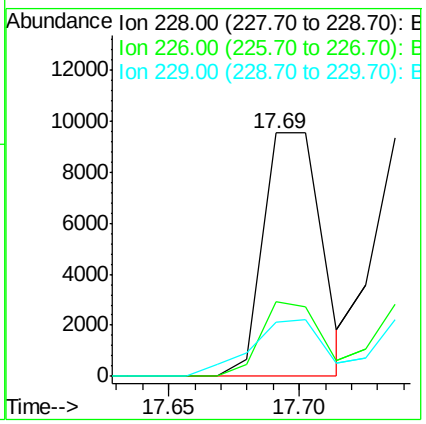


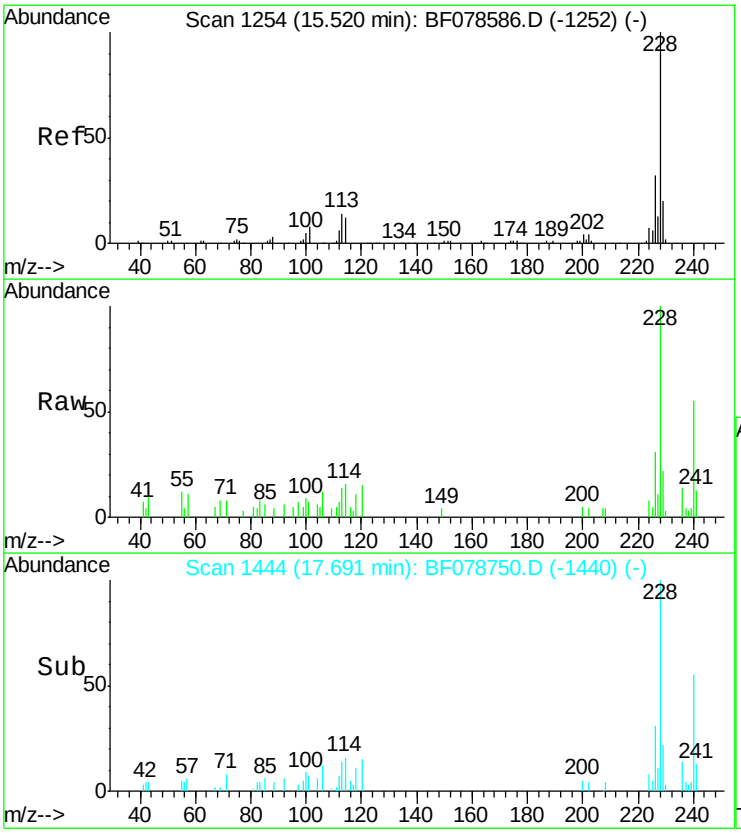

#80
Benzo(a)anthracene
Concen: 2.70 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:228 Resp: 14800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 21.3 | 31.9 |
| 229 | 22.3 | 15.4 | 23.2 |

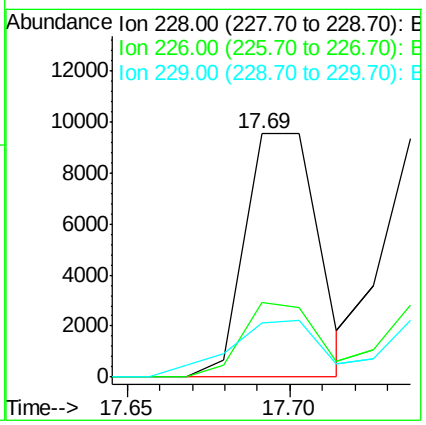


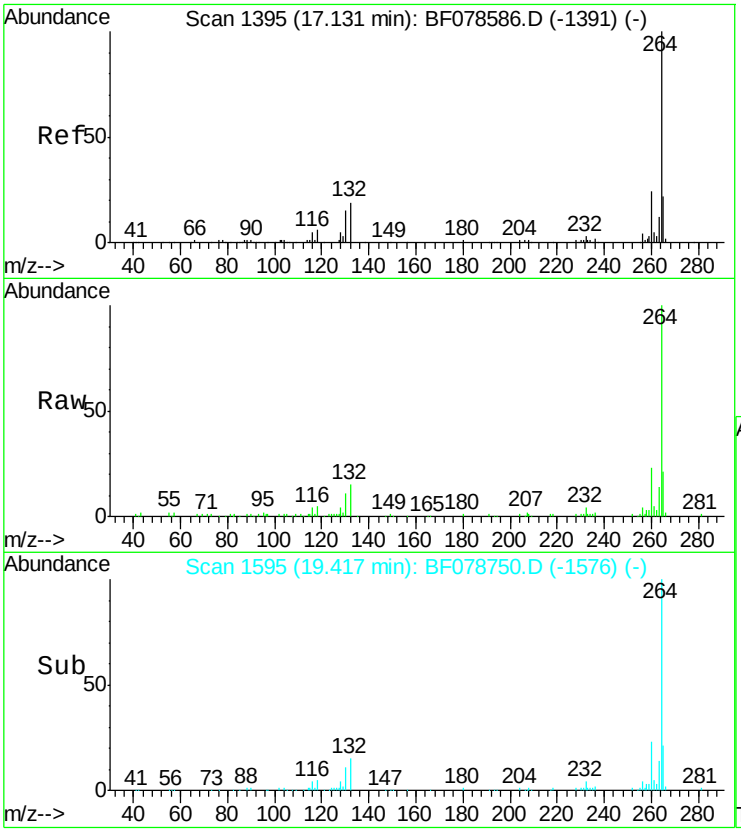




#82
Chrysene
Concen: 2.88 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.06 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:228 Resp: 14804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.2 | 36.4 |
| 229 | 22.3 | 15.8 | 23.8 |



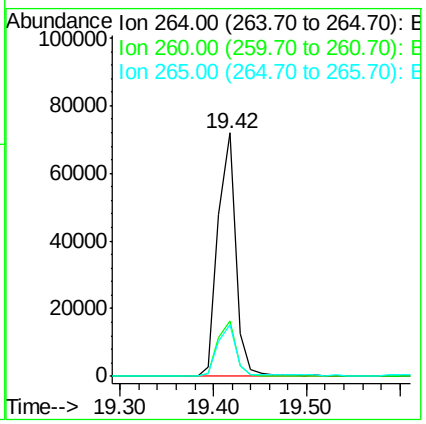


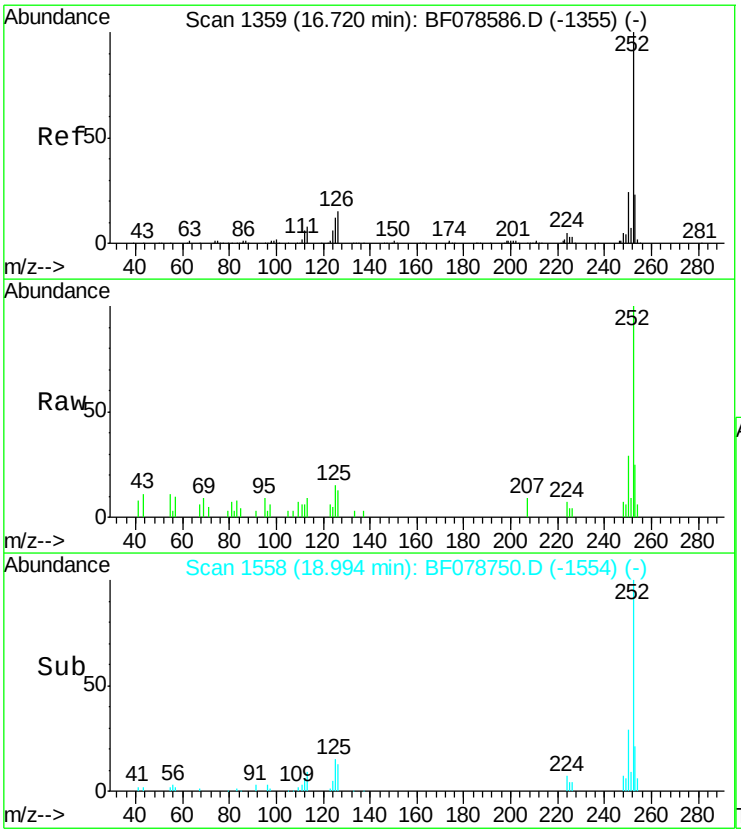

#86
Perylene-d12
Concen: 20.00 ng
RT: 19.42 min Scan# 1595
Delta R.T. -0.08 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:264 Resp: 96175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.6 | 27.8 |
| 265 | 21.2 | 17.0 | 25.6 |

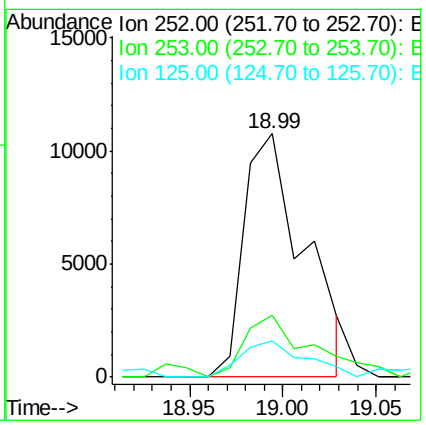


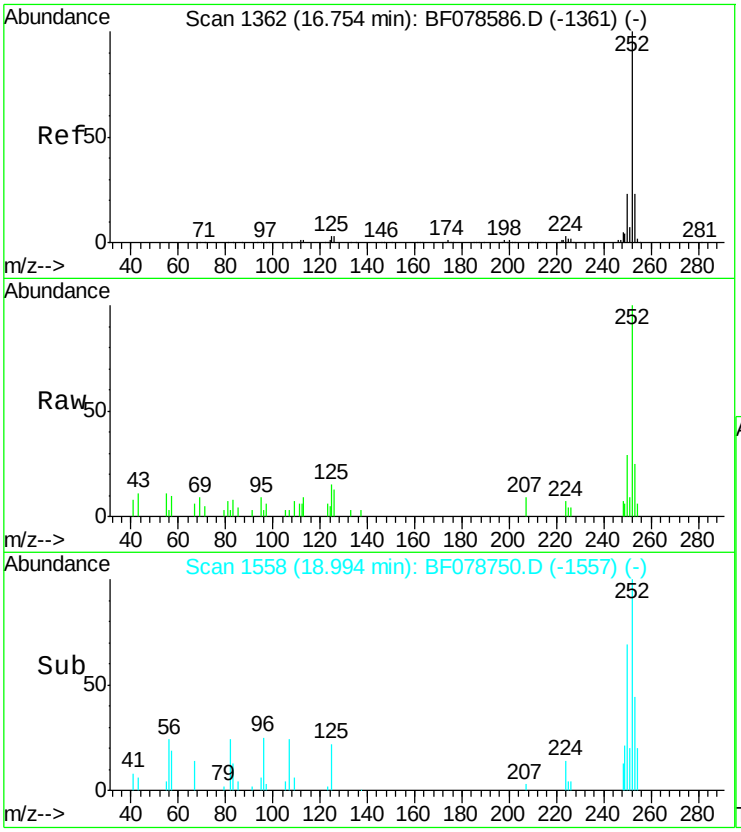




#87
Benzo(b)fluoranthene
Concen: 4.06 ng
RT: 18.99 min Scan# 1558
Delta R.T. -0.06 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:252 Resp: 24104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 17.2 | 25.8 |
| 125 | 14.7 | 7.0 | 10.4# |



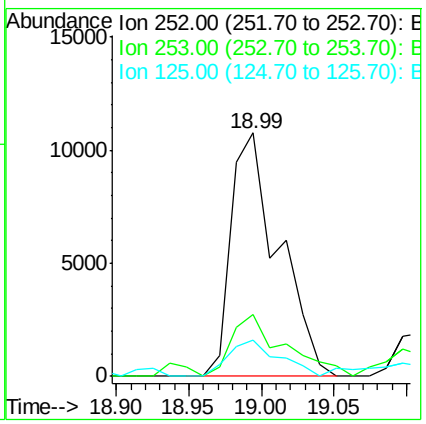


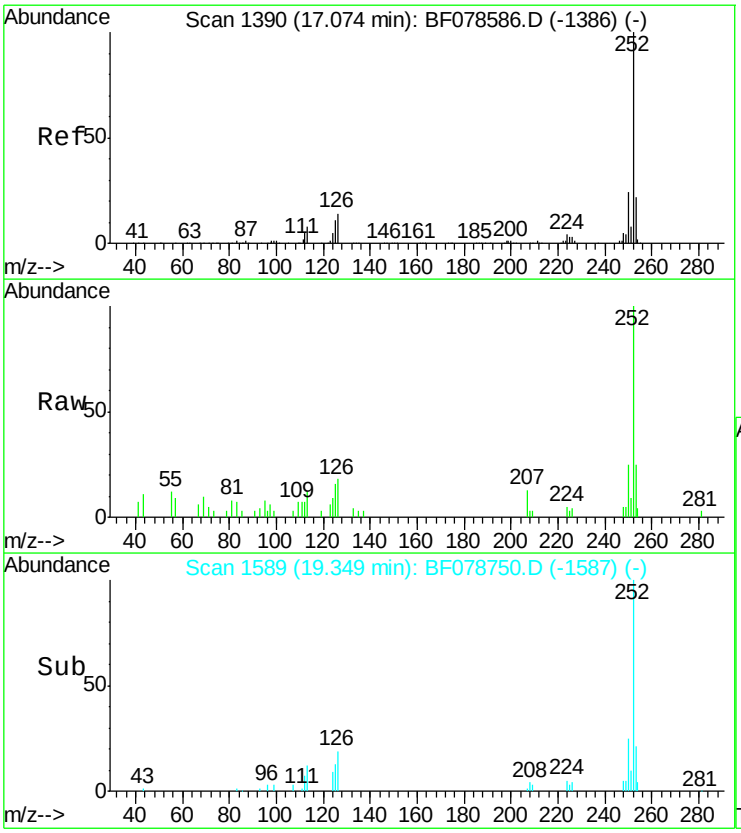

#88
Benzo(k)fluoranthene
Concen: 4.63 ng
RT: 18.99 min Scan# 1558
Delta R.T. -0.09 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

**Instrument :**
BNA_F
**ClientSampleId :**
SB-79S

Tgt Ion:252 Resp: 24447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 17.5 | 26.3 |
| 125 | 14.7 | 11.6 | 17.4 |




#89
Benzo(a)pyrene
Concen: 2.79 ng
RT: 19.35 min Scan# 1589
Delta R.T. -0.08 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:252 Resp: 14460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 16.8 | 25.2 |
| 125 | 16.3 | 7.4 | 11.0# |