Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
Data File : BF110528.D
Acq On : 6 Nov 2018 21:13
Operator : JU/SJ
Sample : J5764-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 07 08:45:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 93849 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.24 | 136 | 369479 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.00 | 164 | 141213 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.49 | 188 | 208598 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.14 | 240 | 172708 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.66 | 264 | 118038 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 279711 | 48.53 | ng | | 0.00 |
| 7) Phenol-d6 | 6.57 | 99 | 358888 | 48.69 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 217128 | 34.86 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.79 | 330 | 55120 | 39.40 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.31 | 172 | 390908 | 43.47 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.07 | 244 | 263910 | 31.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.57 | 77 | 603 | Below Cal | | # | 1 |
| 25) Isophorone | 7.52 | 82 | 214201 | 20.17 | ng | # | 67 |
| 50) Dimethylphthalate | 9.70 | 163 | 54100 | 5.19 | ng | | 100 |
| 71) Phenanthrene | 11.51 | 178 | 63809 | 5.85 | ng | | 99 |
| 72) Anthracene | 11.51 | 178 | 63809 | 5.83 | ng | | 99 |
| 75) Fluoranthene | 12.71 | 202 | 101683 | 9.18 | ng | | 99 |
| 77) Benzidine | 12.85 | 184 | 243 | Below Cal | | # | 1 |
| 78) Pyrene | 12.94 | 202 | 95039 | 7.68 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.13 | 228 | 46953 | 4.58 | ng | | 99 |
| 83) Chrysene | 14.13 | 228 | 46953 | 4.83 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 40206 | 5.53 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 15.21 | 252 | 54973 | 8.06 | ng | # | 79 |
| 89) Benzo(k)fluoranthene | 15.21 | 252 | 54973 | 8.20 | ng | # | 78 |
| 90) Benzo(a)pyrene | 15.60 | 252 | 27737 | 4.42 | ng | # | 86 |
| 92) Benzo(g,h,i)perylene | 17.72 | 276 | 17608 | 3.30 | ng | | 99 |

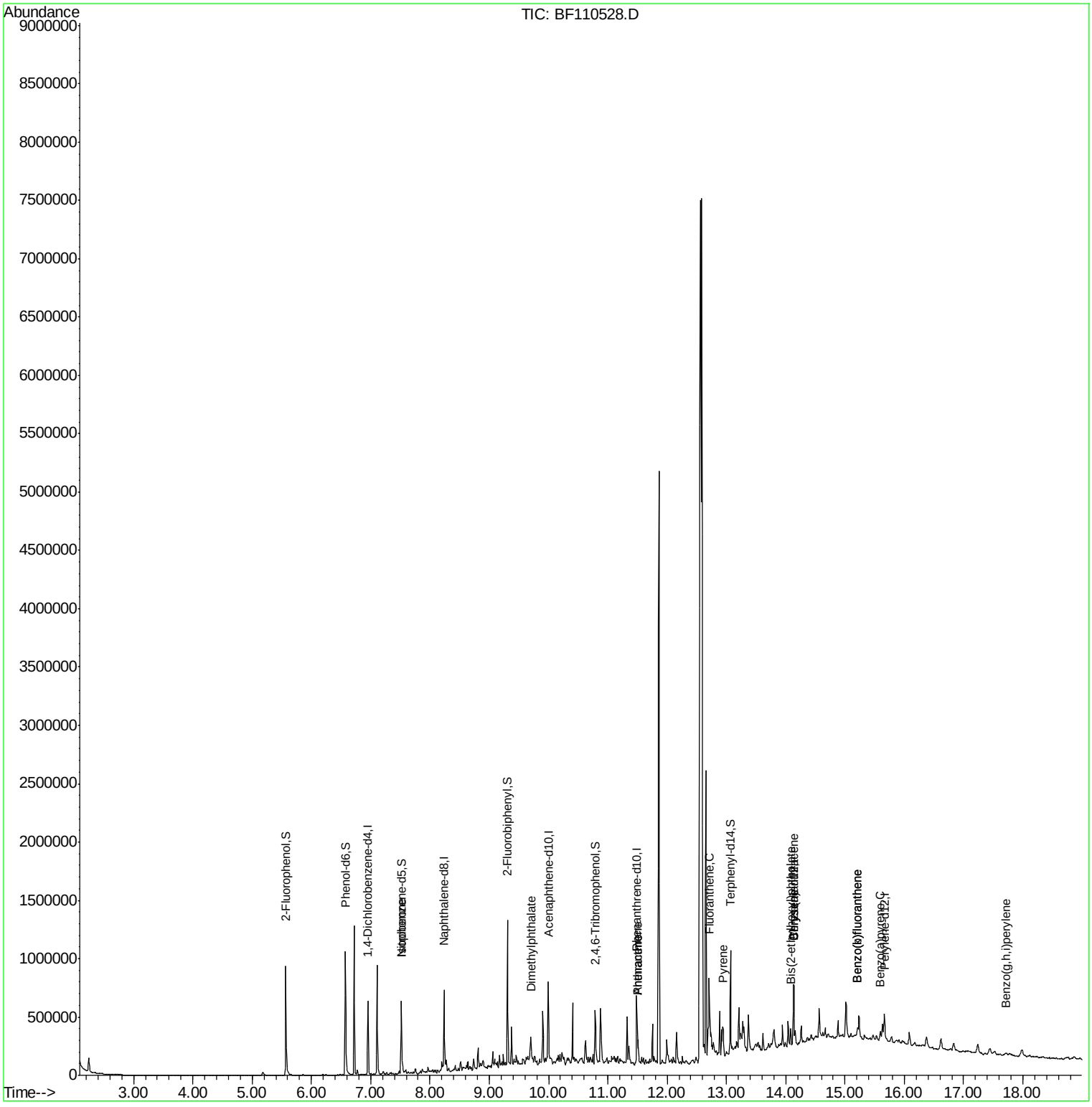
(#) = qualifier out of range (m) = manual integration (+) = signals summed

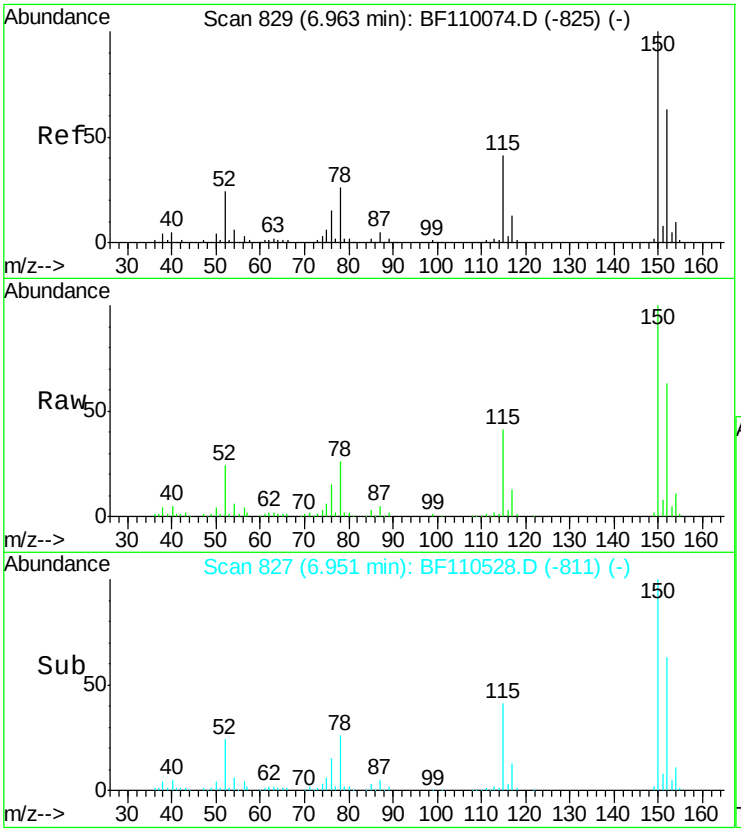
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
Data File : BF110528.D
Acq On : 6 Nov 2018 21:13
Operator : JU/SJ
Sample : J5764-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 07 08:45:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

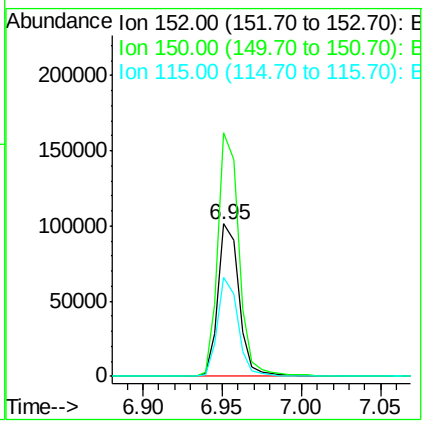




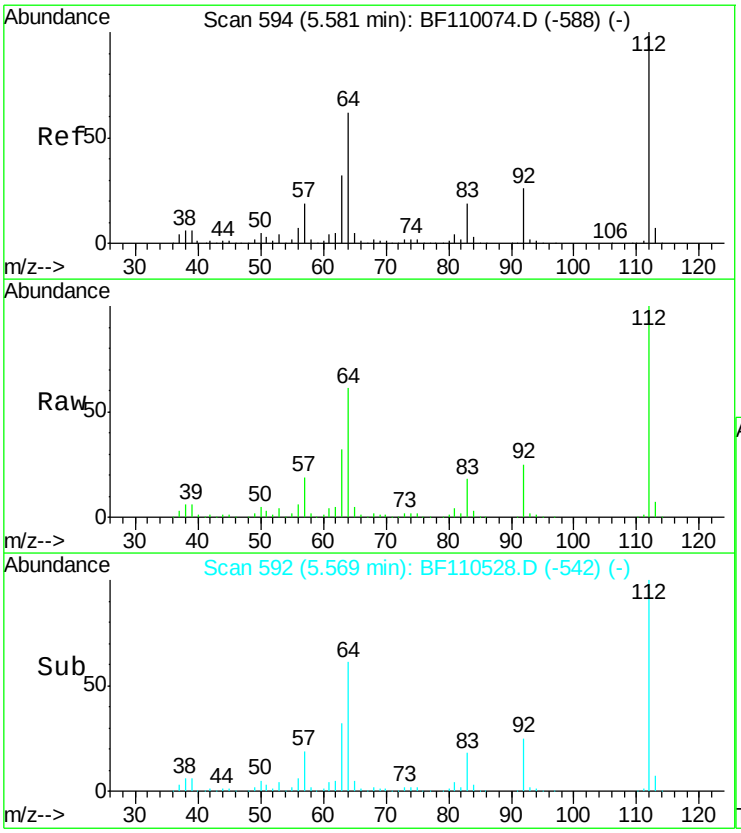

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:152 Resp: 93849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.6 | 122.7 | 184.1 |
| 115 | 64.8 | 49.1 | 73.7 |



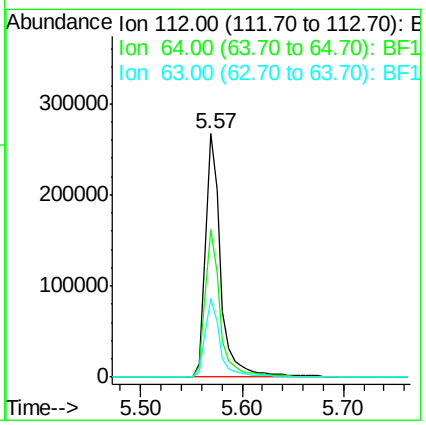

**Instrument :**
BNA_F
**ClientSampleId :**

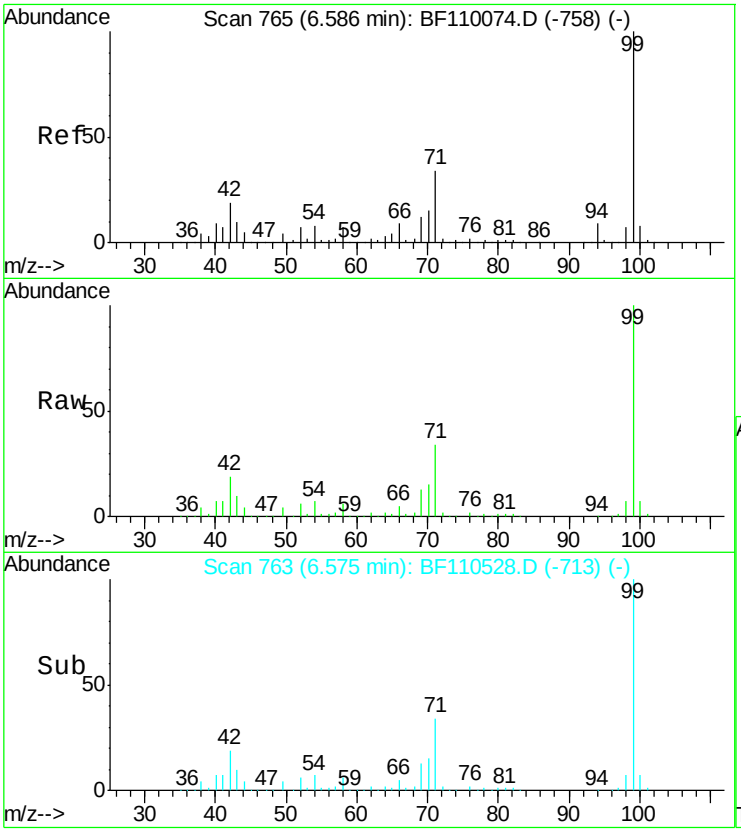



#5
2-Fluorophenol
Concen: 48.53 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:112 Resp: 279711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.6 | 44.1 | 66.1 |
| 63 | 32.3 | 23.7 | 35.5 |

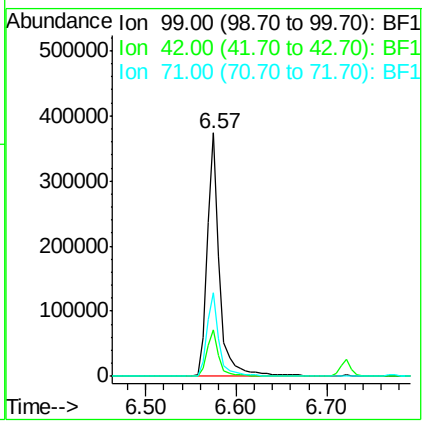




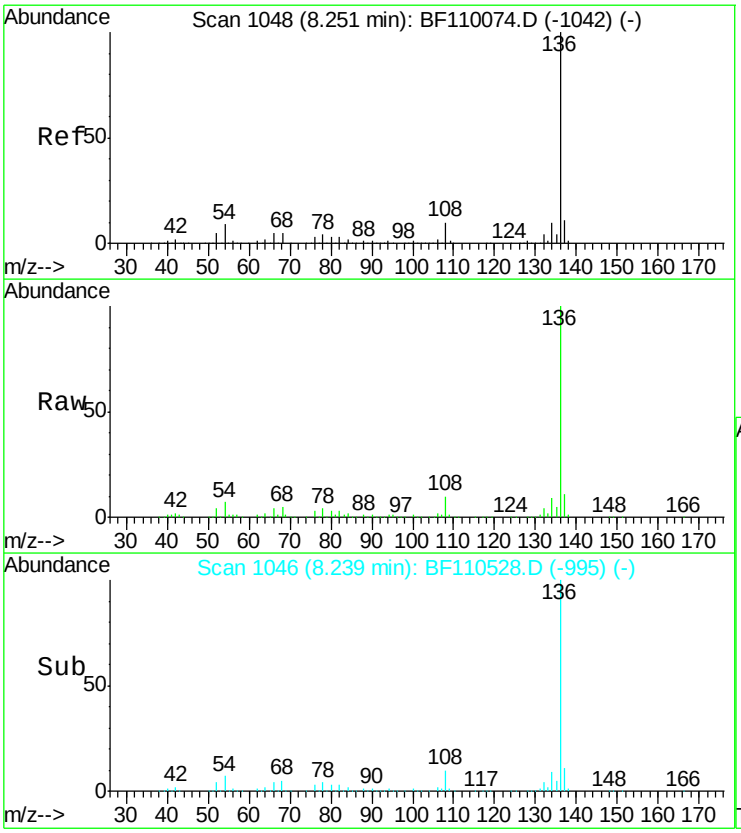

#7
Phenol-d6
Concen: 48.69 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion: 99 Resp: 358888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 15.8 | 23.6 |
| 71 | 34.1 | 28.0 | 42.0 |



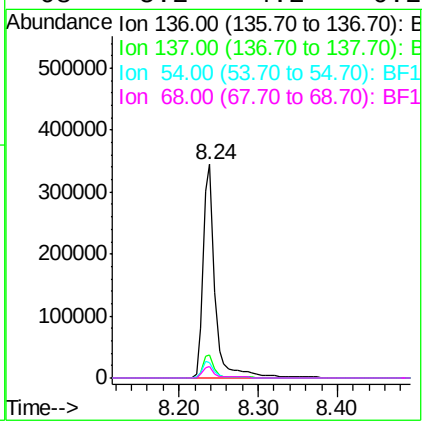

**Instrument :**
BNA_F
**ClientSampleId :**

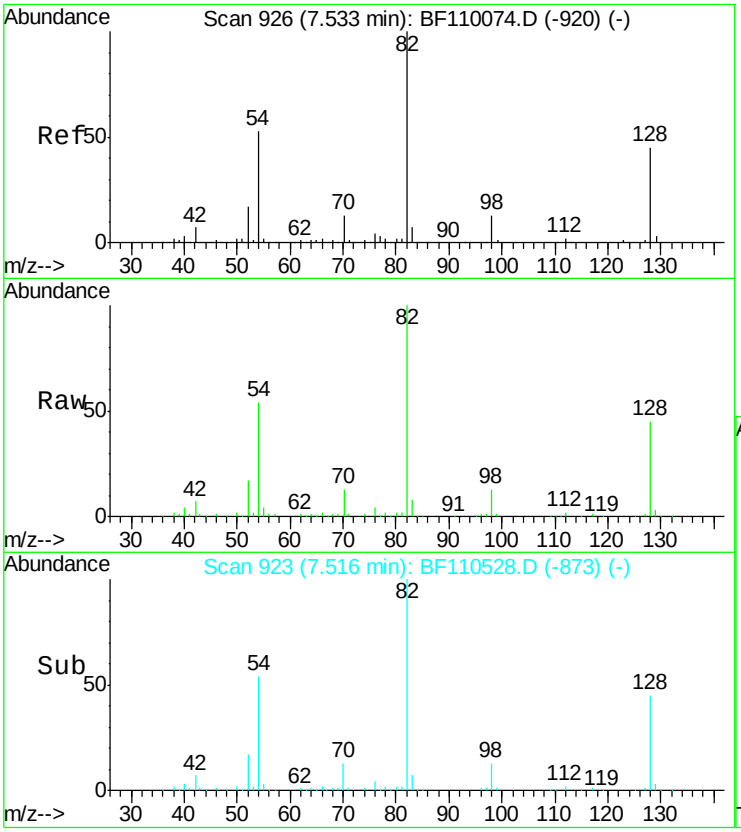



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:136 Resp: 369479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.4 | 5.4 | 8.2 |
| 68 | 5.2 | 4.2 | 6.2 |



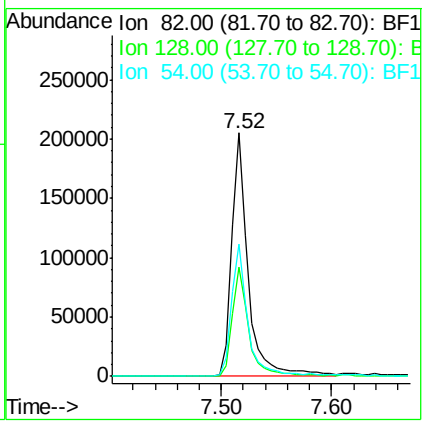


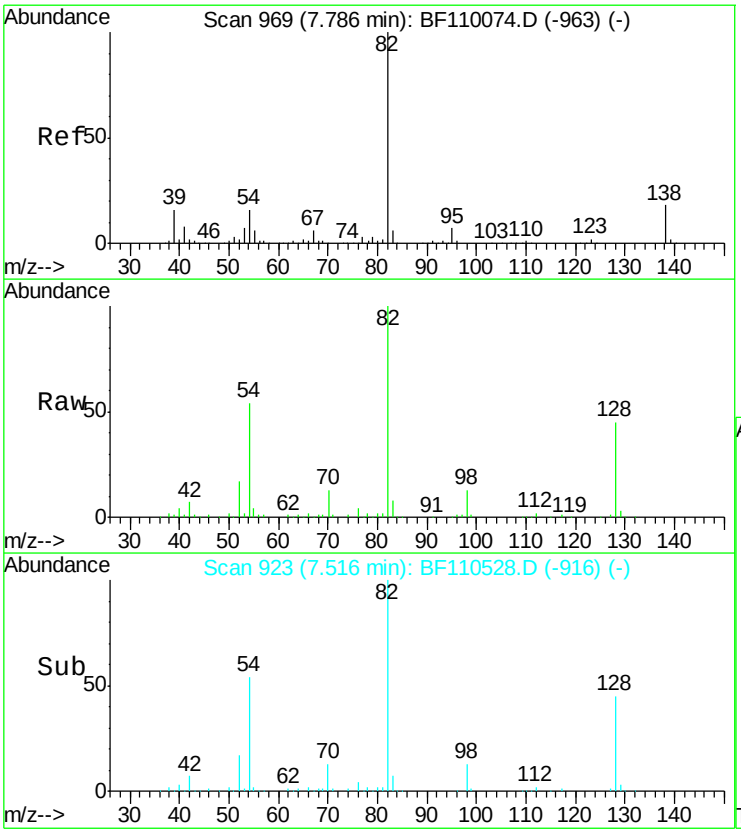

#23
Nitrobenzene-d5
Concen: 34.86 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion: 82 Resp: 217128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.9 | 34.2 | 51.2 |
| 54 | 54.2 | 38.6 | 58.0 |

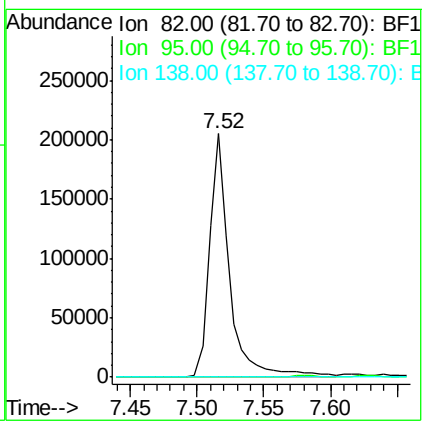


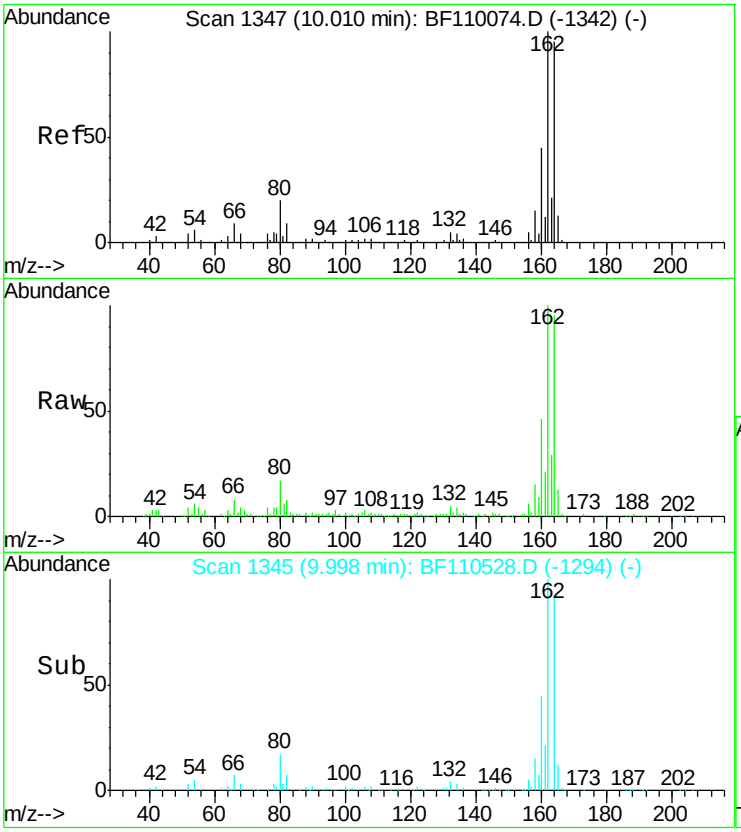




#25
Isophorone
Concen: 20.17 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion: 82 Resp: 214201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.7 | 8.5# |
| 138 | 0.0 | 13.2 | 19.8# |



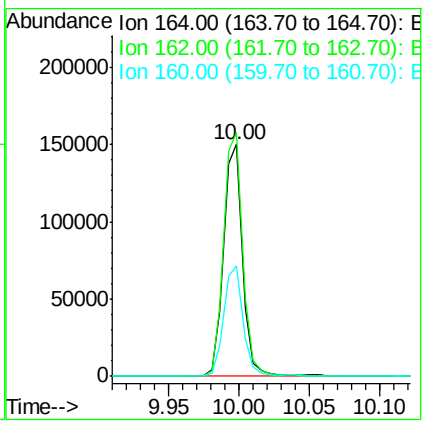


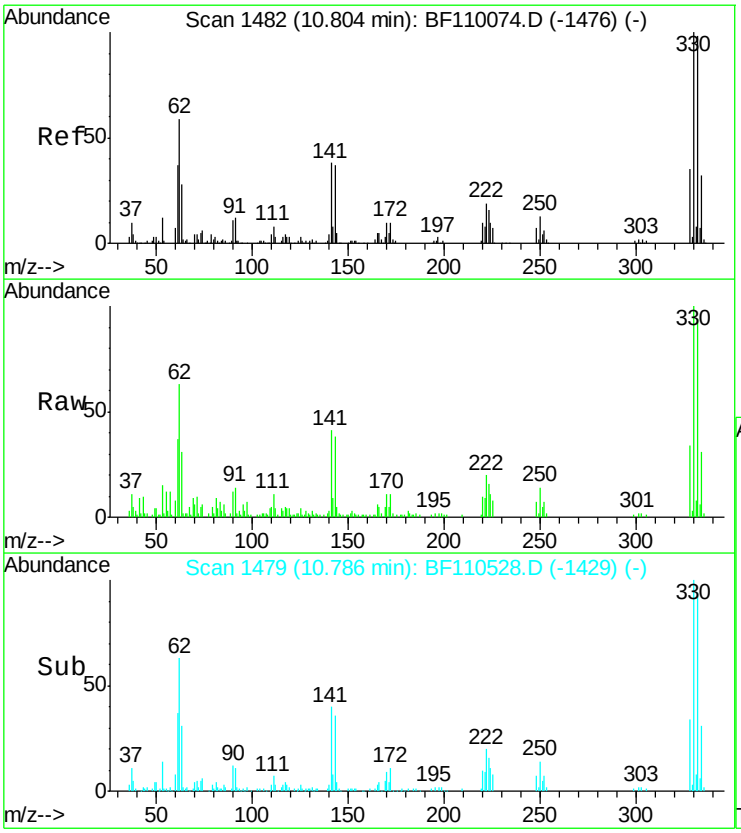

#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:164 Resp: 141213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.1 | 83.0 | 124.6 |
| 160 | 47.9 | 37.0 | 55.6 |

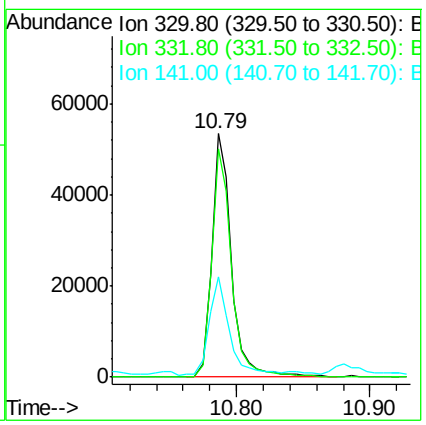


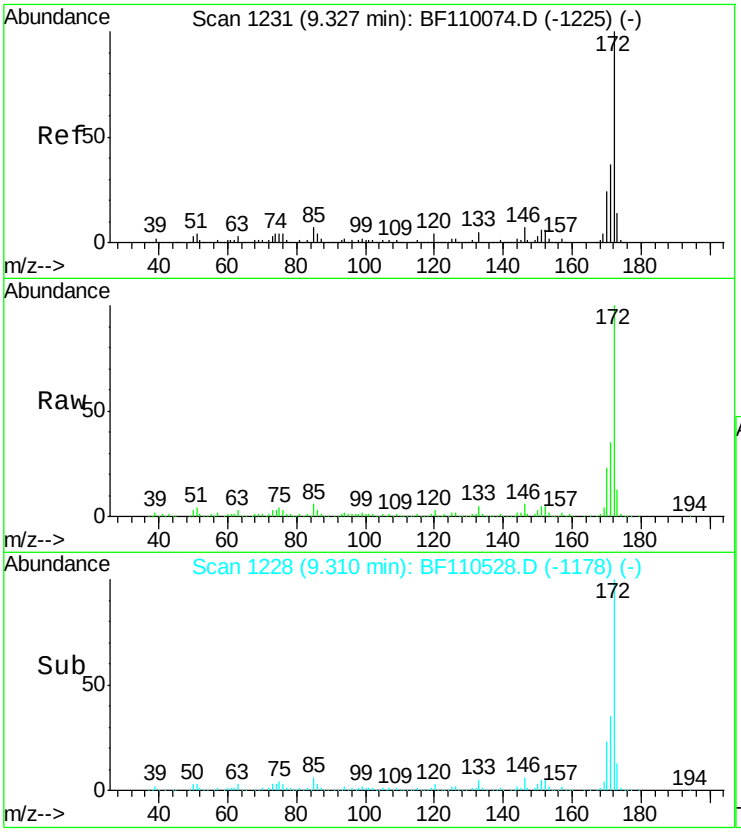




#42
2,4,6-Tribromophenol
Concen: 39.40 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:330 Resp: 55120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.7 | 77.1 | 115.7 |
| 141 | 42.4 | 27.0 | 40.4# |



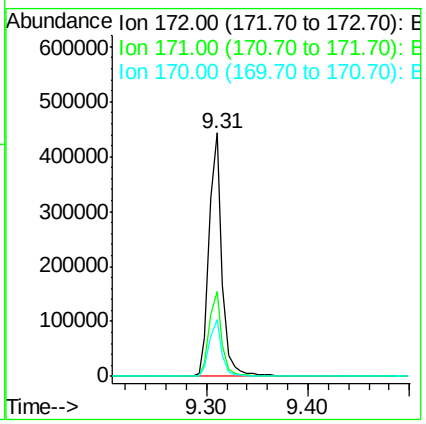


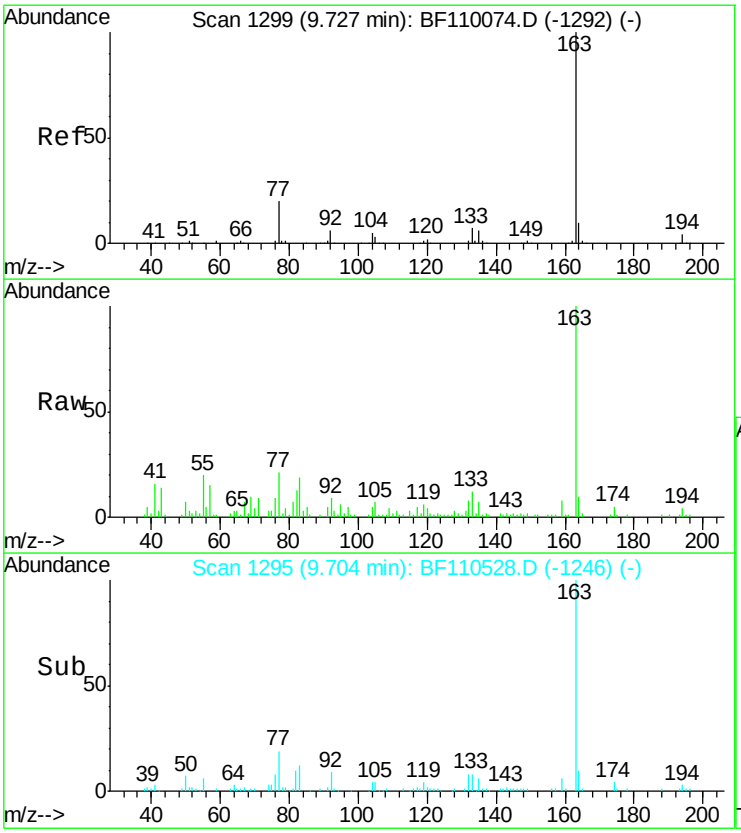

#45
2-Fluorobiphenyl
Concen: 43.47 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:172 Resp: 390908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 28.6 | 43.0 |
| 170 | 23.1 | 19.7 | 29.5 |

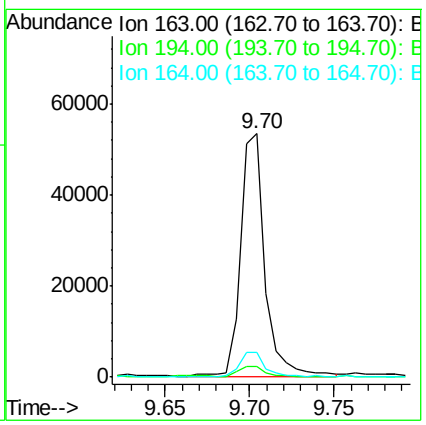


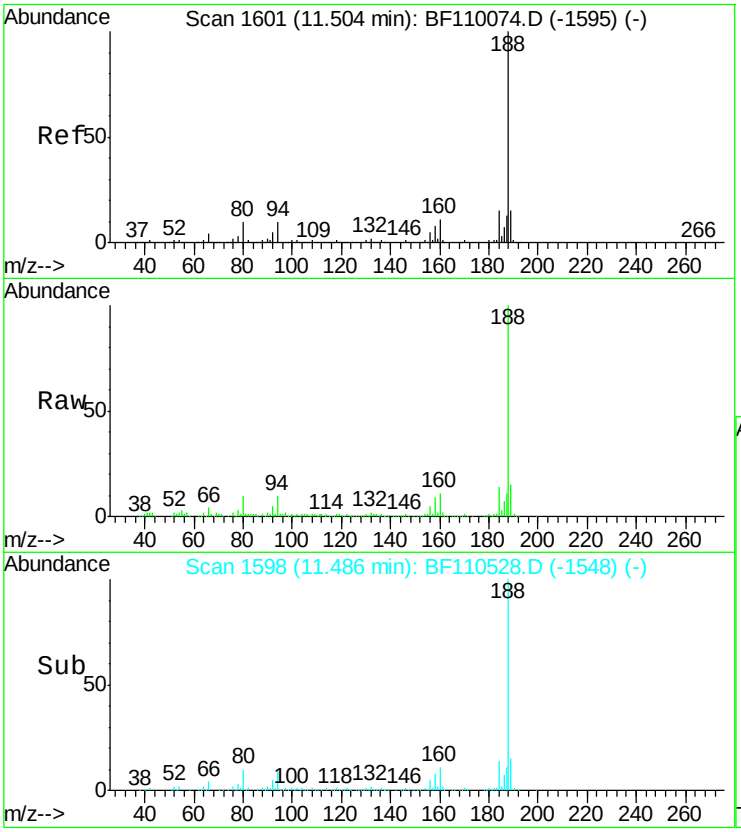




#50
Dimethylphthalate
Concen: 5.19 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:163 Resp: 54100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.2 | 4.8 |
| 164 | 10.2 | 8.1 | 12.1 |



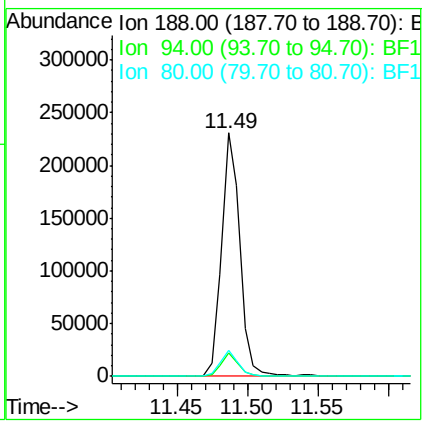


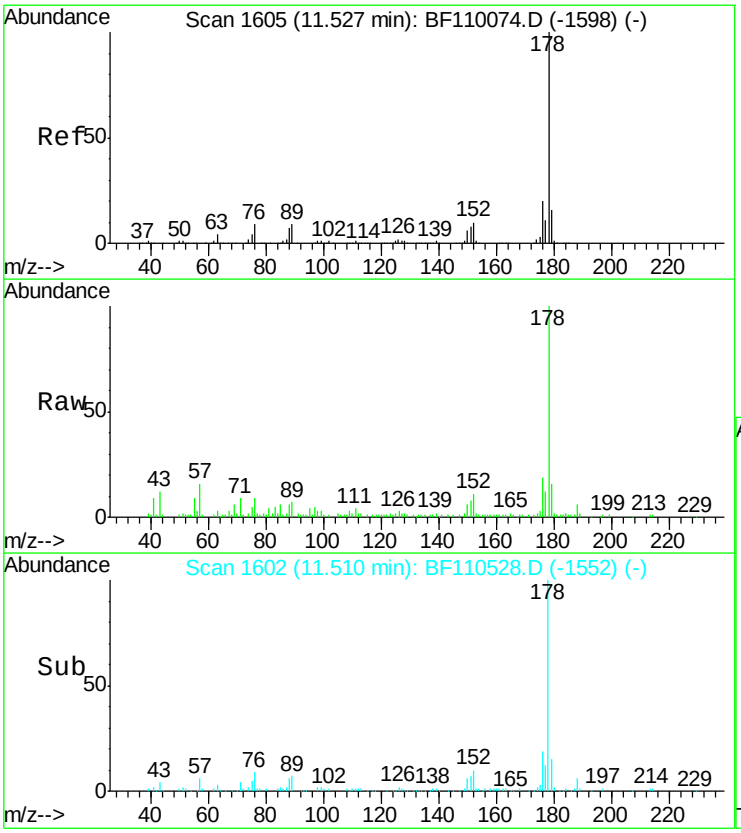

#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:188 Resp: 208598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 7.2 | 10.8 |
| 80 | 10.5 | 7.9 | 11.9 |

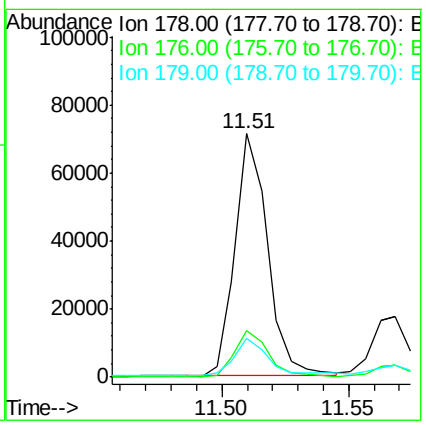


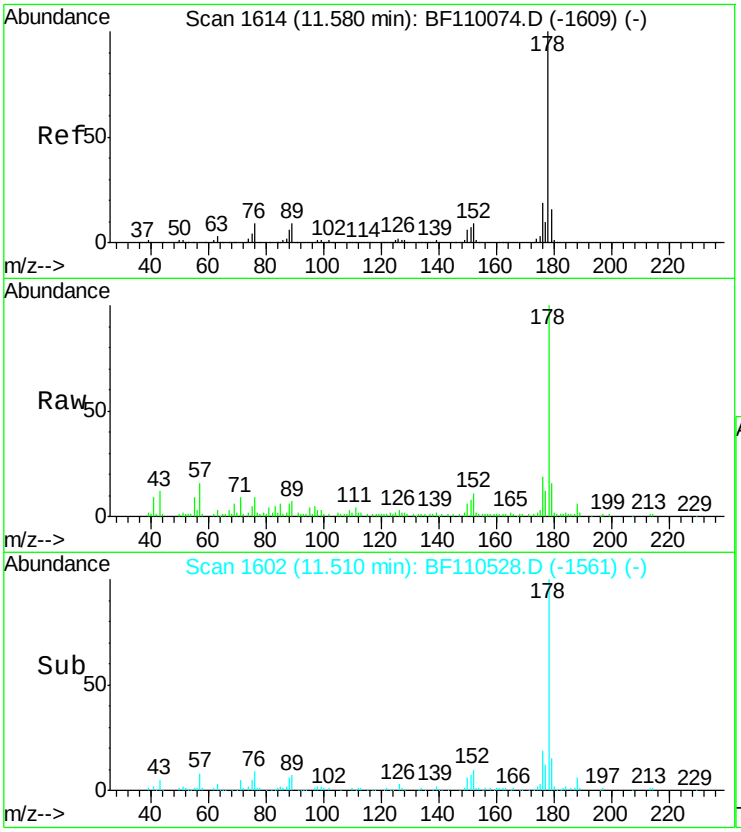




#71
Phenanthrene
Concen: 5.85 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:178 Resp: 63809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.5 | 23.3 |
| 179 | 15.7 | 12.5 | 18.7 |



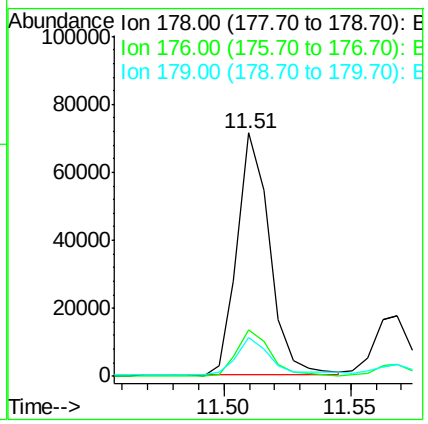


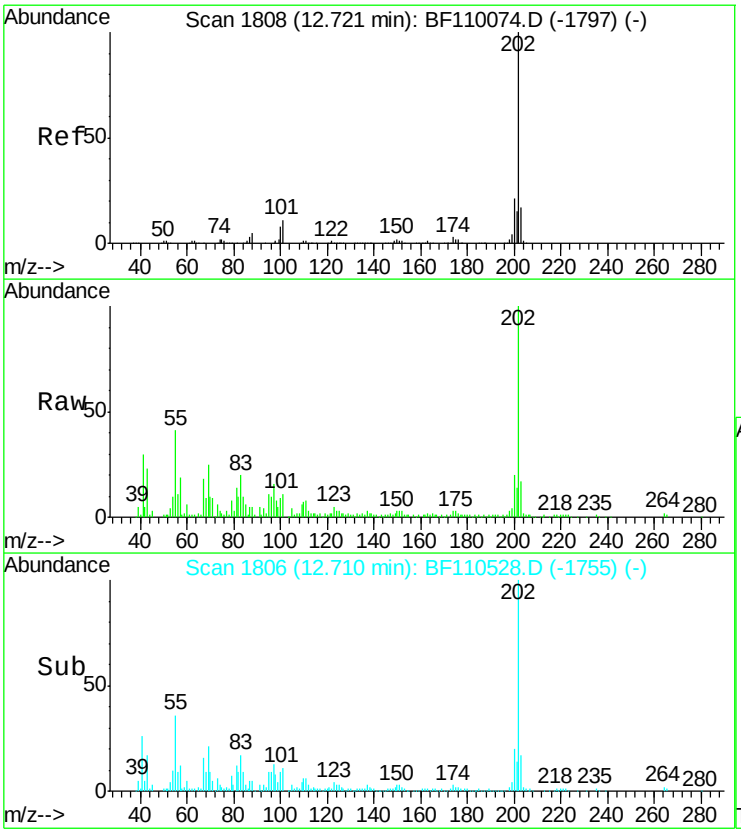

#72
Anthracene
Concen: 5.83 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.06 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:178 Resp: 63809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.4 | 23.2 |
| 179 | 15.7 | 12.6 | 18.8 |

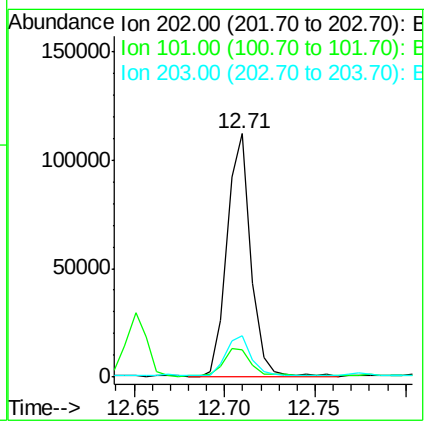


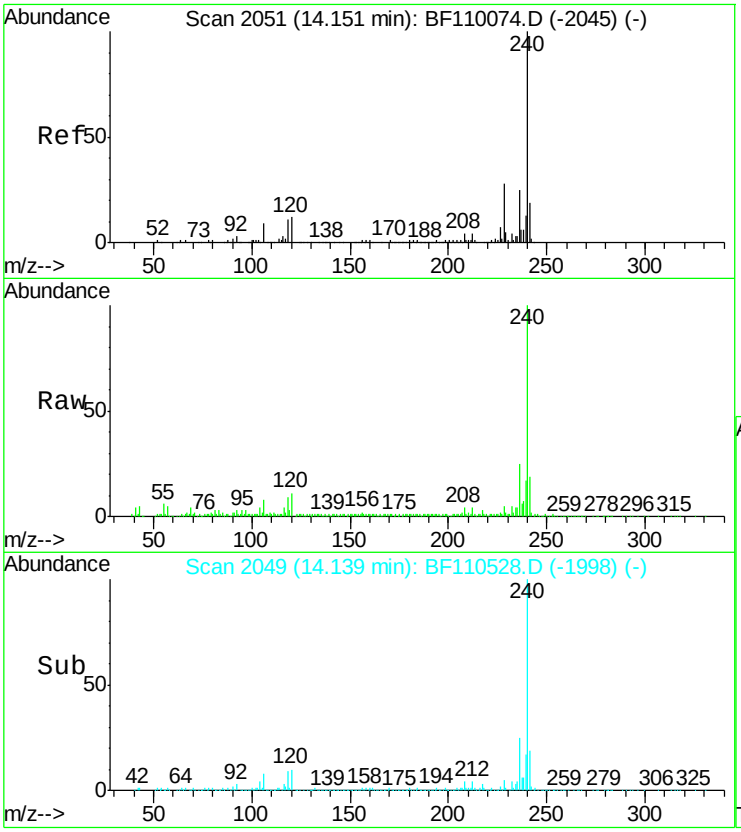




#75
Fluoranthene
Concen: 9.18 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:202 Resp: 101683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 0.0 | 31.4 |
| 203 | 17.1 | 0.0 | 37.7 |



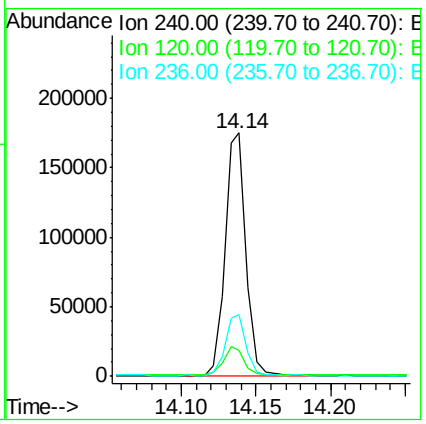


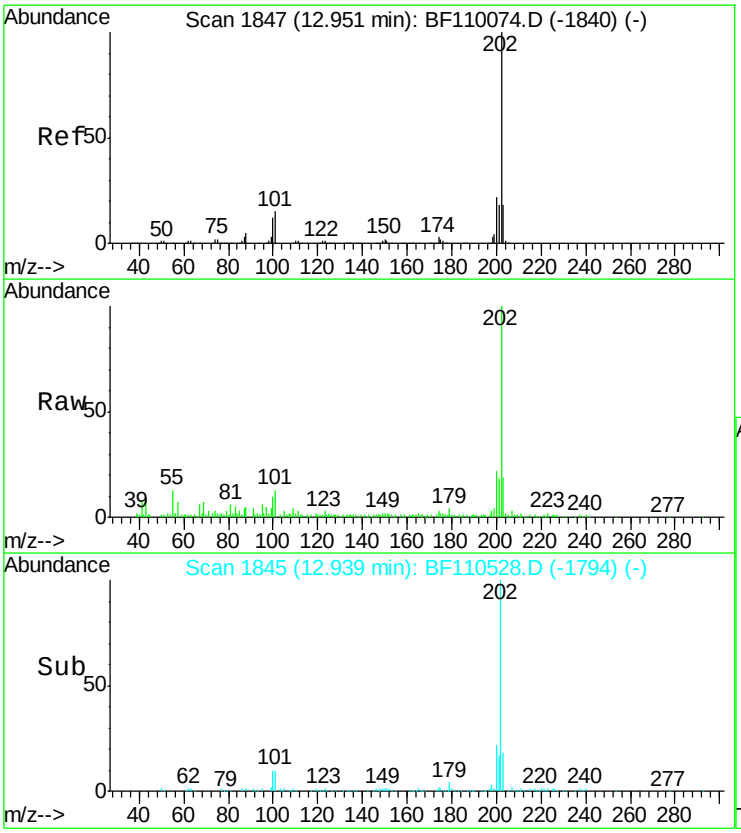

#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:240 Resp: 172708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.8 | 8.3 | 12.5 |
| 236 | 25.4 | 21.2 | 31.8 |

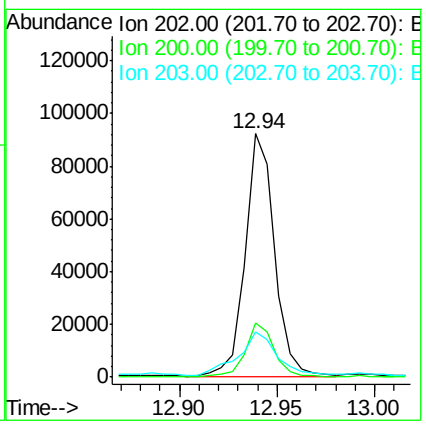


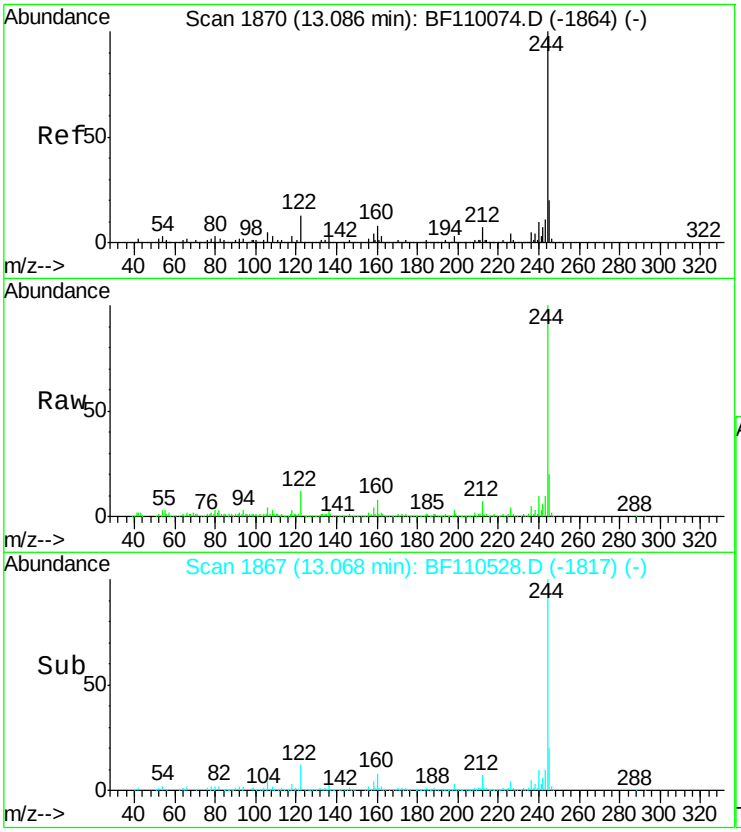




#78
Pyrene
Concen: 7.68 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:202 Resp: 95039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.3 | 17.8 | 26.6 |
| 203 | 18.7 | 14.2 | 21.4 |



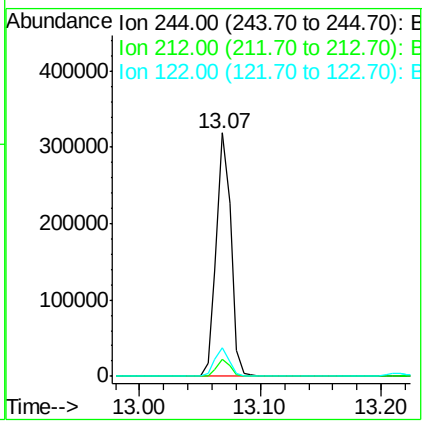


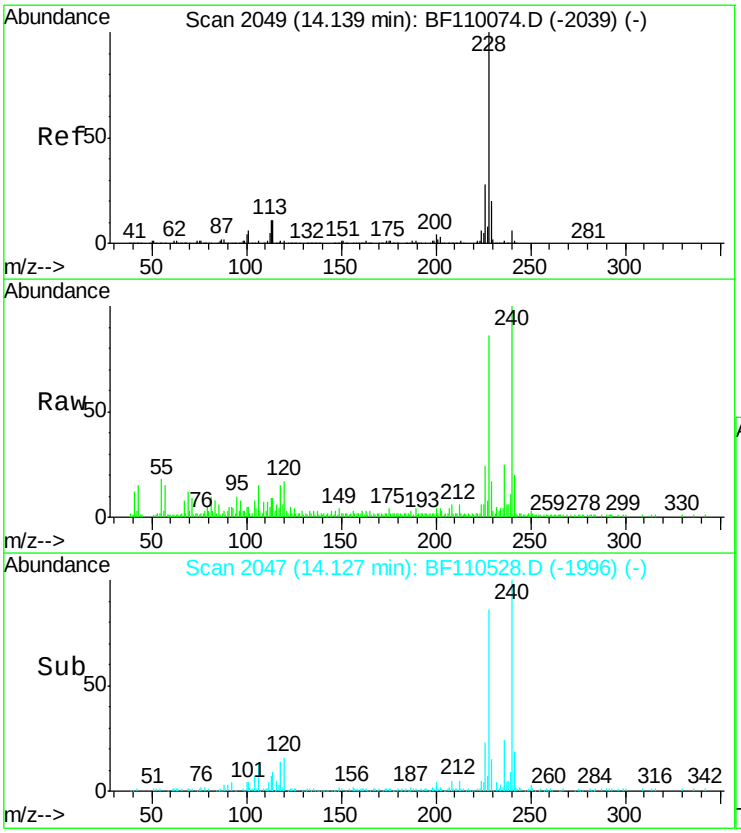

#79
Terphenyl-d14
Concen: 31.78 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:244 Resp: 263910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.8 | 8.8 |
| 122 | 11.9 | 8.7 | 13.1 |

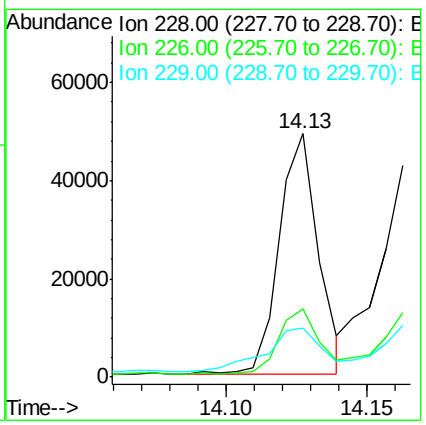


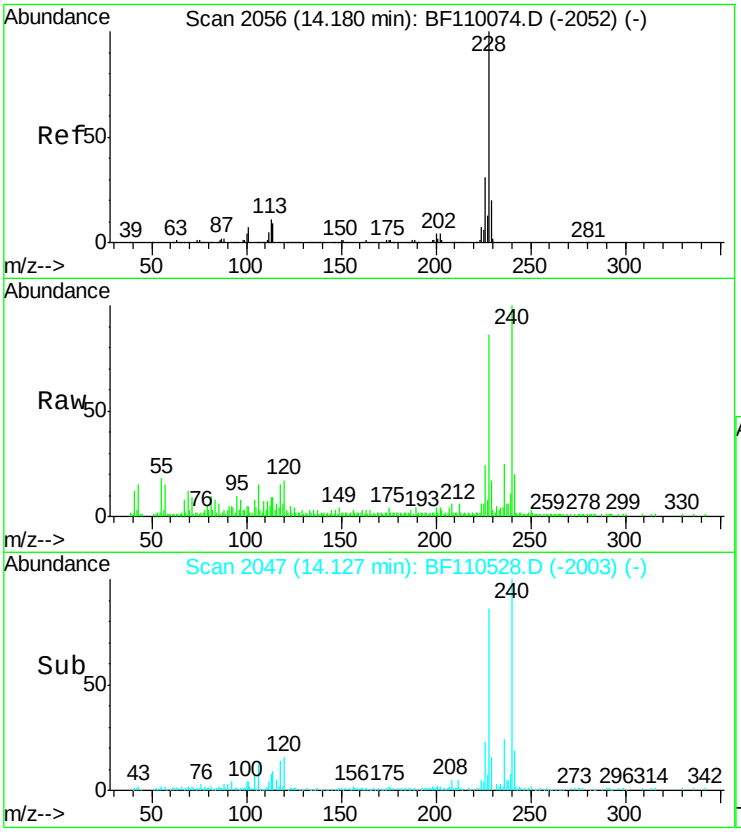




#81
Benzo(a)anthracene
Concen: 4.58 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:228 Resp: 46953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 22.1 | 33.1 |
| 229 | 20.1 | 15.6 | 23.4 |



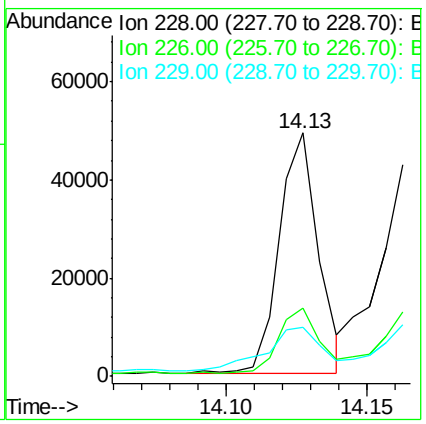


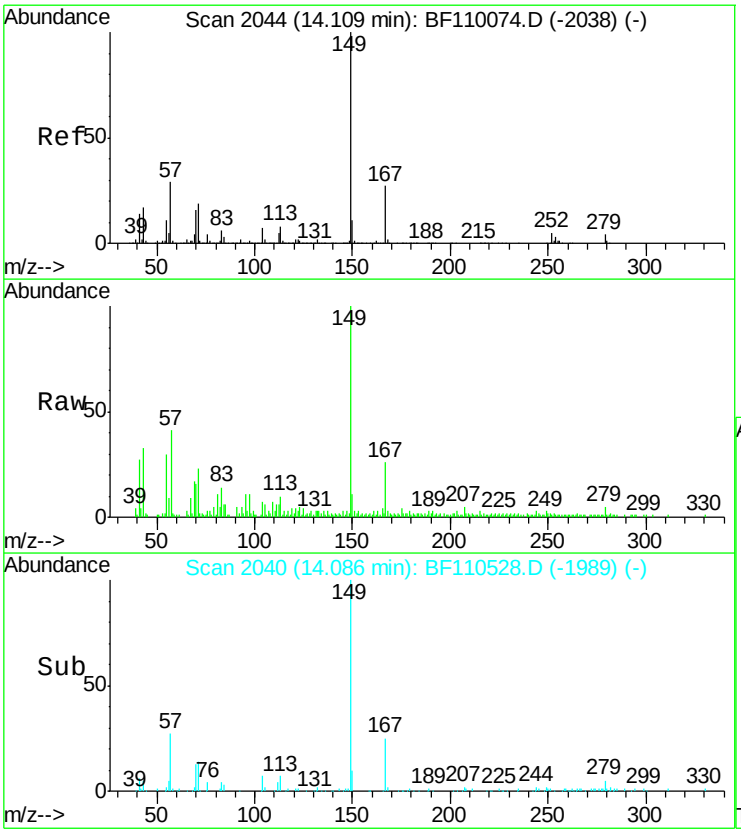

#83
Chrysene
Concen: 4.83 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.04 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:228 Resp: 46953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 24.7 | 37.1 |
| 229 | 20.1 | 15.9 | 23.9 |

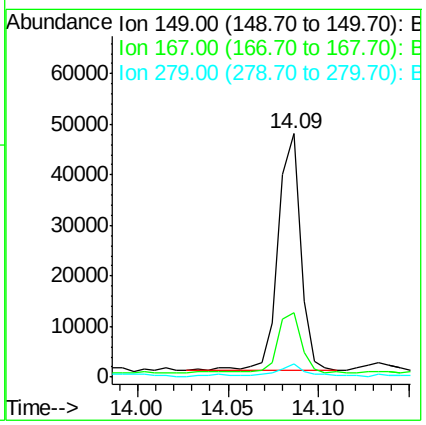


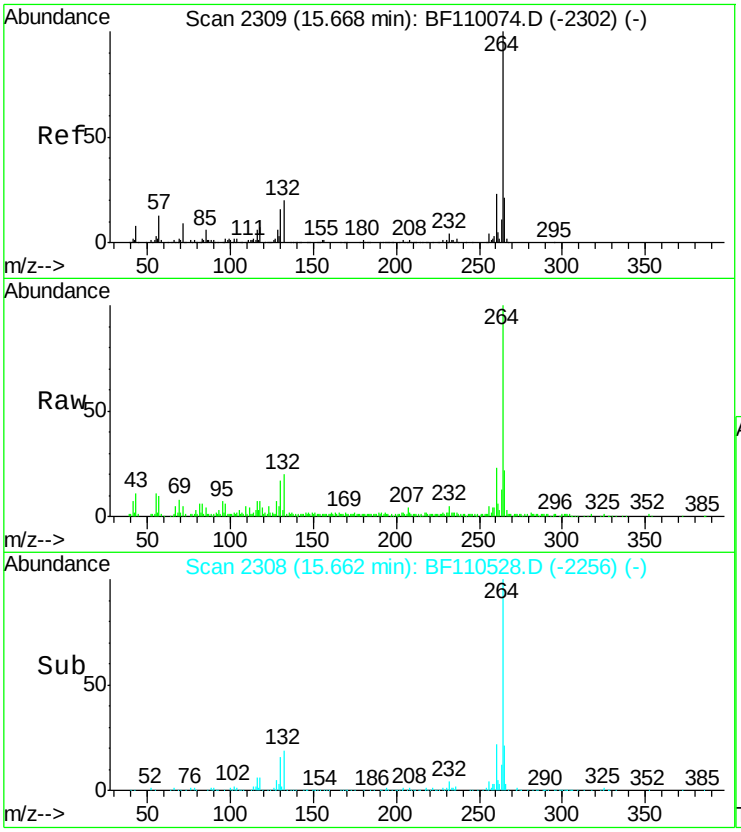




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.53 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:149 Resp: 40206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 19.8 | 29.8 |
| 279 | 5.2 | 2.7 | 4.1# |



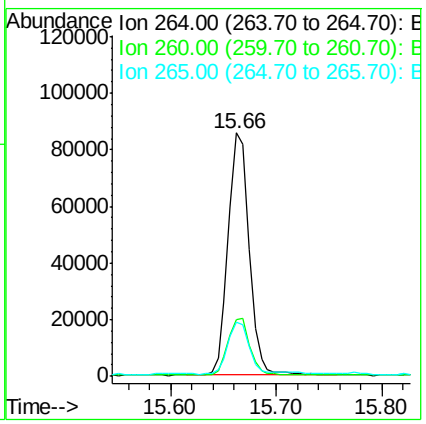


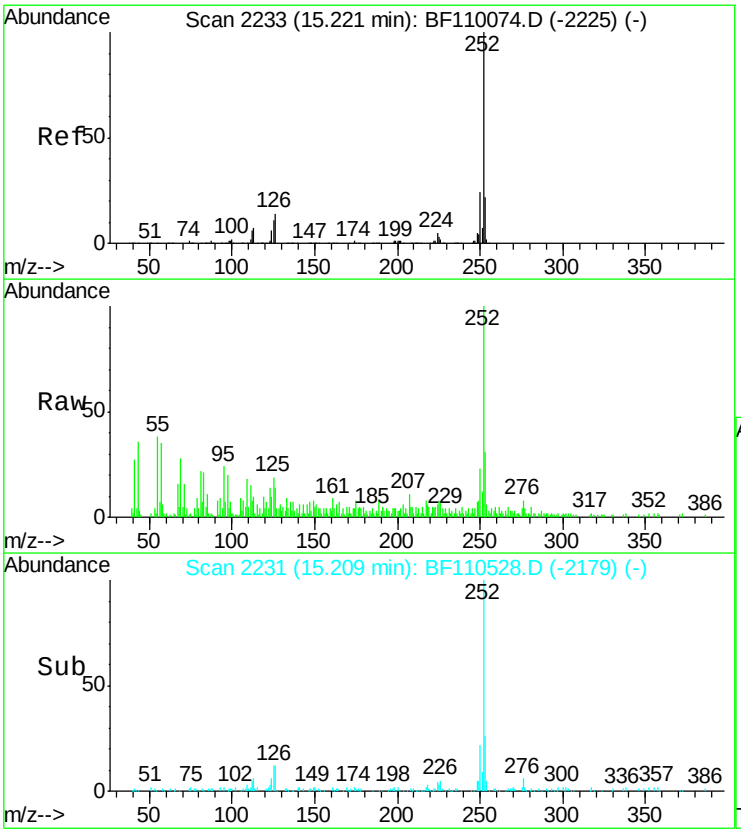

#87
Perylene-d12
Concen: 20.00 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:264 Resp: 118038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.7 | 28.1 |
| 265 | 22.3 | 16.7 | 25.1 |

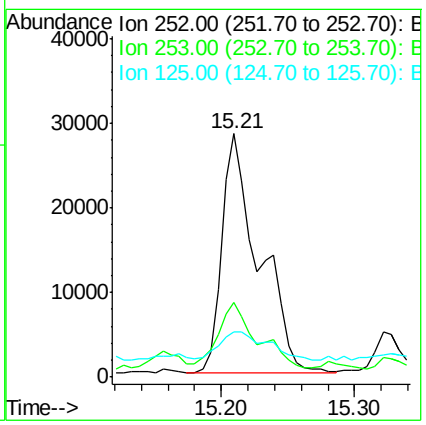


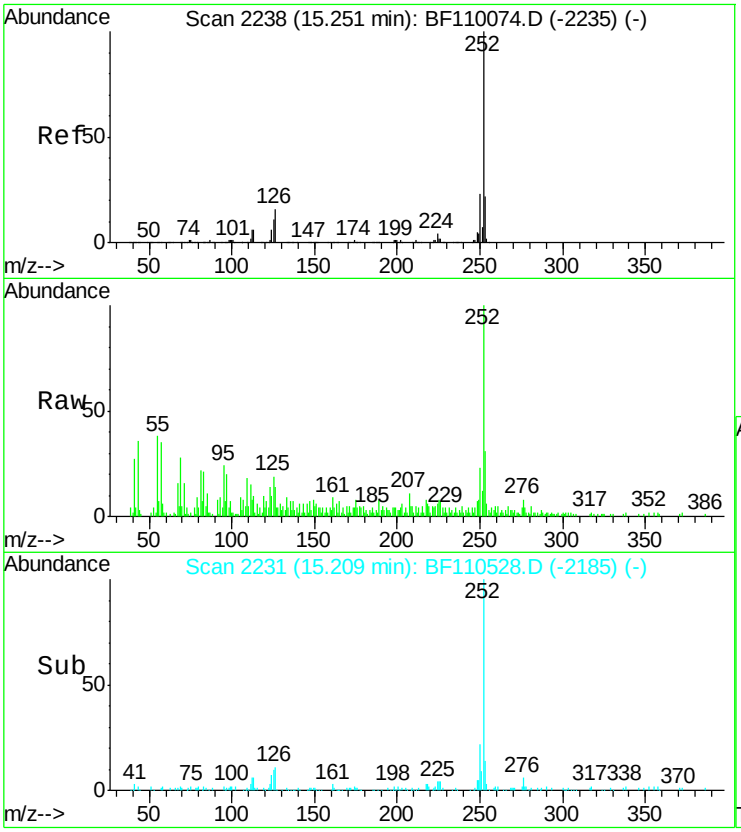




#88
Benzo(b)fluoranthene
Concen: 8.06 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:252 Resp: 54973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.8 | 17.2 | 25.8# |
| 125 | 18.8 | 8.2 | 12.4# |



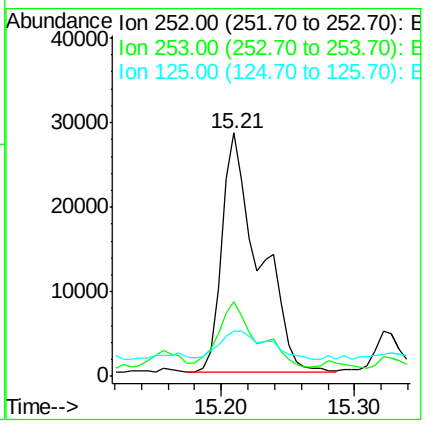


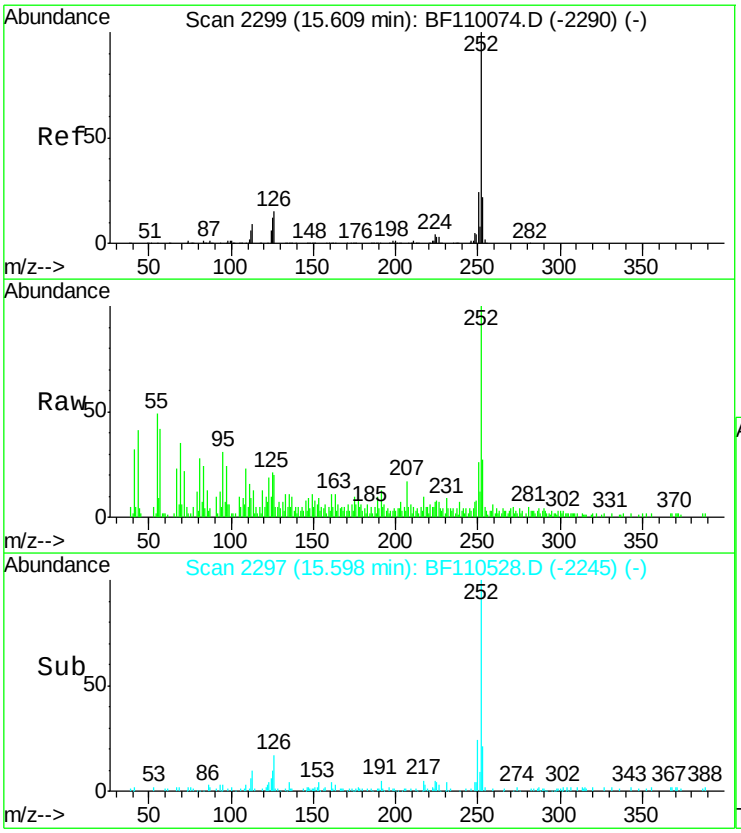

#89
Benzo(k)fluoranthene
Concen: 8.20 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:252 Resp: 54973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.8 | 17.2 | 25.8# |
| 125 | 18.8 | 7.4 | 11.0# |

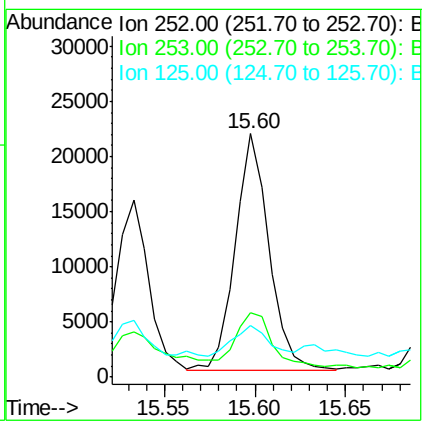


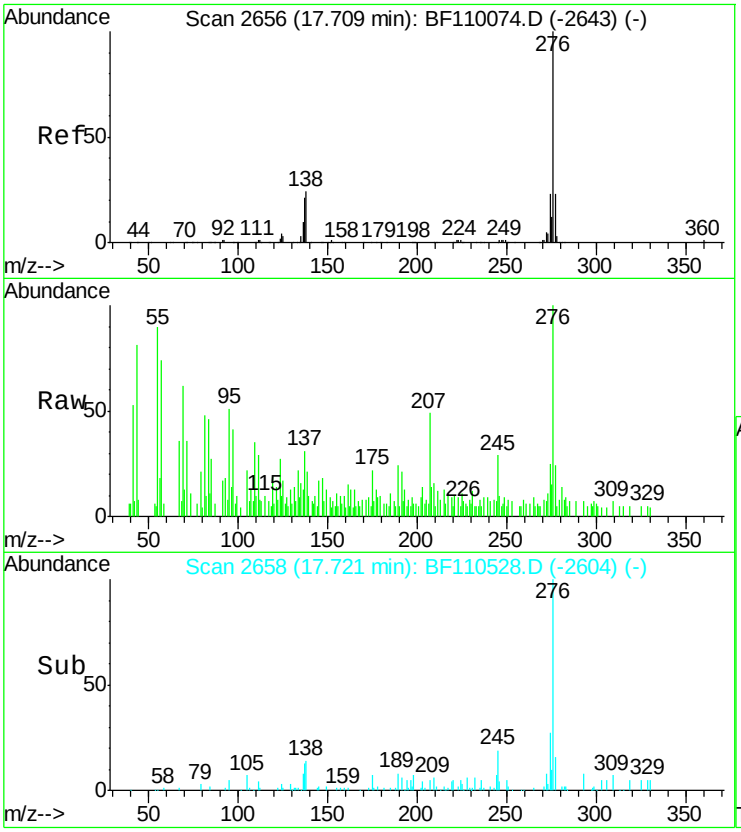




#90
Benzo(a)pyrene
Concen: 4.42 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

Tgt Ion:252 Resp: 27737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.6 | 18.2 | 27.4 |
| 125 | 21.1 | 9.0 | 13.6# |






#92
Benzo(g,h,i)perylene
Concen: 3.30 ng
RT: 17.72 min Scan# 2658
Delta R.T. 0.02 min
Lab File: BF110528.D
Acq: 6 Nov 2018 21:13

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

Tgt Ion:276 Resp: 17608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.8 | 28.2 |
| 138 | 21.2 | 16.0 | 24.0 |