Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110625.D
Acq On : 9 Nov 2018 14:08
Operator : JU/SJ
Sample : J5813-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Nov 09 17:16:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 09 15:13:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 74985 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.23 | 136 | 282590 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.99 | 164 | 107463 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.48 | 188 | 175172 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.13 | 240 | 151092 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.66 | 264 | 104342 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 466455 | 101.04 | ng | | 0.00 |
| 7) Phenol-d6 | 6.57 | 99 | 587599 | 99.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.51 | 82 | 355941 | 72.54 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.78 | 330 | 82544 | 76.23 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.30 | 172 | 496435 | 65.98 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.06 | 244 | 399708 | 49.54 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.57 | 77 | 1207 | Below Cal | | # | 1 |
| 10) Phenol | 6.58 | 94 | 36822 | 5.379 | ng | # | 74 |
| 19) n-Nitroso-di-n-propylamine | 7.51 | 70 | 46582 | 12.362 | ng | # | 81 |
| 25) Isophorone | 7.51 | 82 | 355939 | 44.257 | ng | # | 67 |
| 50) Dimethylphthalate | 9.69 | 163 | 94329 | 11.764 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 9.99 | 165 | 13769 | 6.003 | ng | # | 17 |
| 67) 4-Bromophenyl-phenylether | 10.78 | 248 | 5373 | 2.775 | ng | # | 1 |
| 71) Phenanthrene | 11.50 | 178 | 51316 | 5.468 | ng | | 98 |
| 75) Fluoranthene | 12.70 | 202 | 110859 | 11.782 | ng | | 99 |
| 78) Pyrene | 12.93 | 202 | 85851 | 7.379 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.12 | 228 | 36098 | 3.997 | ng | | 96 |
| 83) Chrysene | 14.16 | 228 | 41289 | 4.799 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 17.23 | 276 | 16364 | 2.650 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 15.20 | 252 | 54477 | 8.727 | ng | # | 92 |
| 89) Benzo(k)fluoranthene | 15.20 | 252 | 54477 | 8.832 | ng | # | 92 |
| 90) Benzo(a)pyrene | 15.59 | 252 | 23644 | 4.169 | ng | # | 90 |
| 92) Benzo(g,h,i)perylene | 17.71 | 276 | 15566 | 3.269 | ng | | 95 |

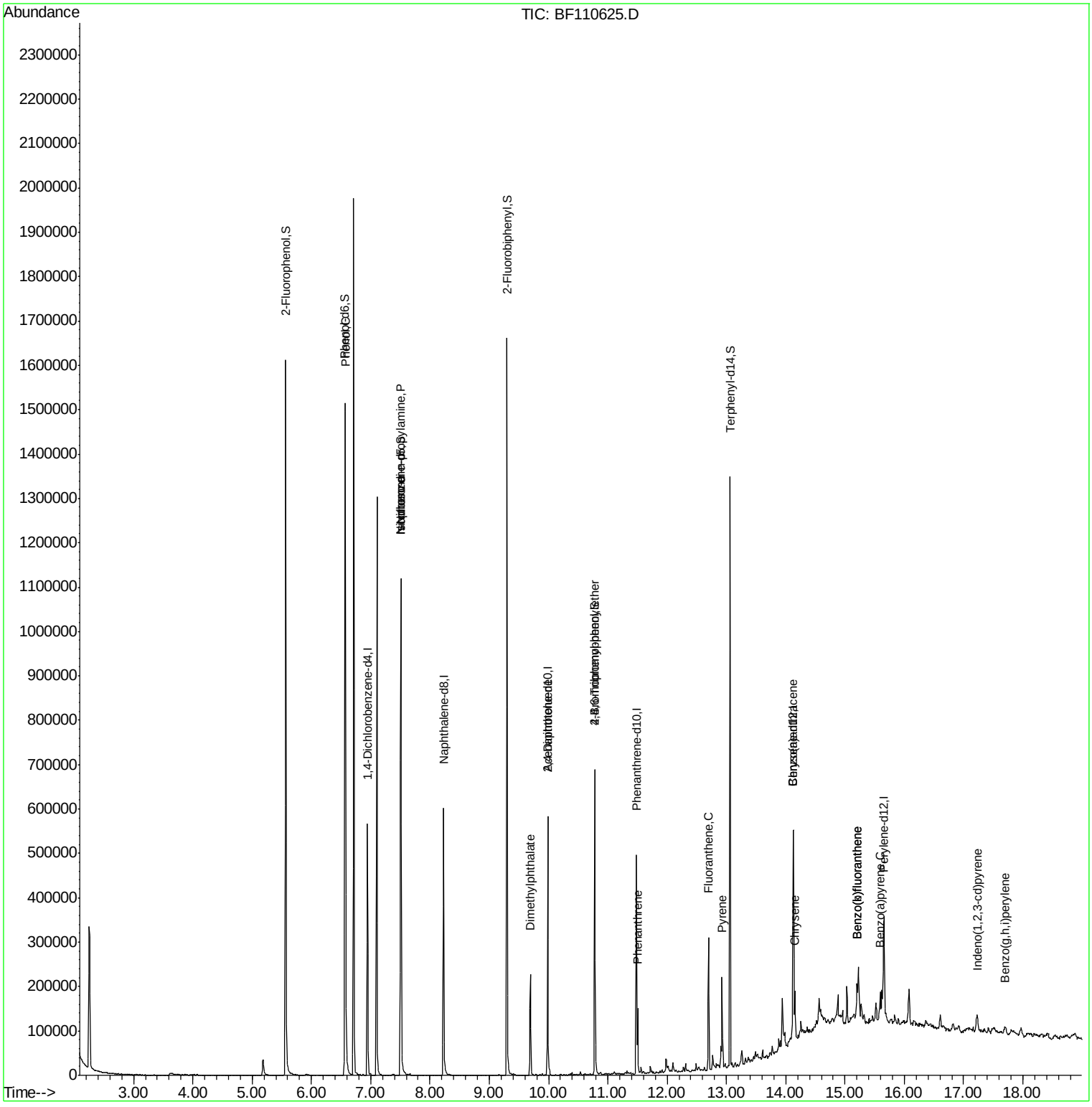
(#) = qualifier out of range (m) = manual integration (+) = signals summed

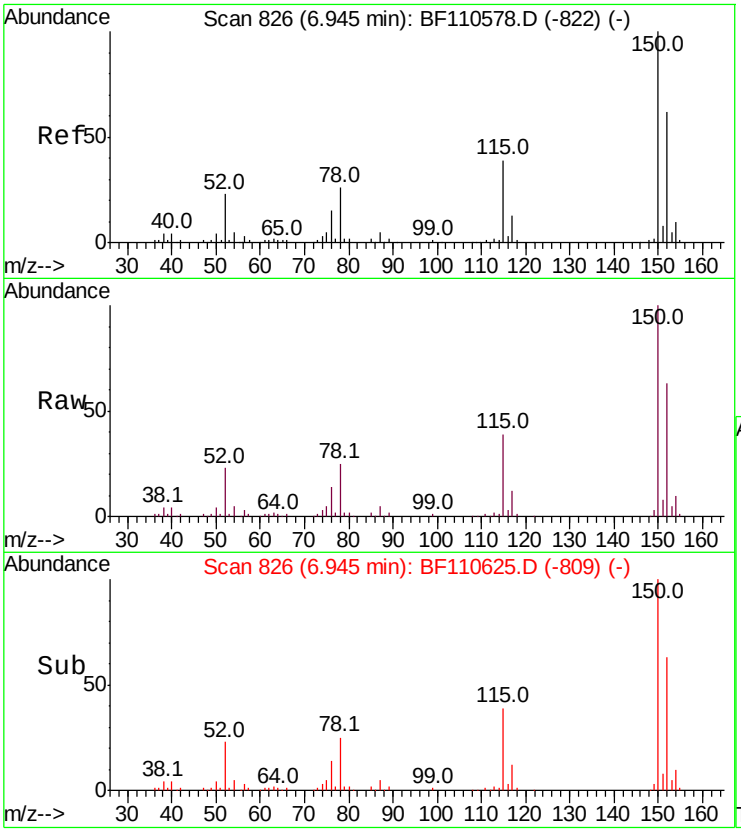
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110625.D
Acq On : 9 Nov 2018 14:08
Operator : JU/SJ
Sample : J5813-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Nov 09 17:16:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 09 15:13:13 2018
Response via : Initial Calibration



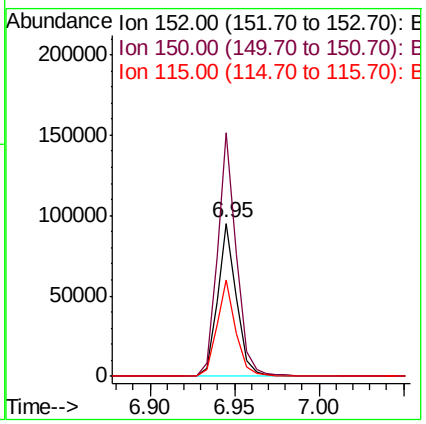


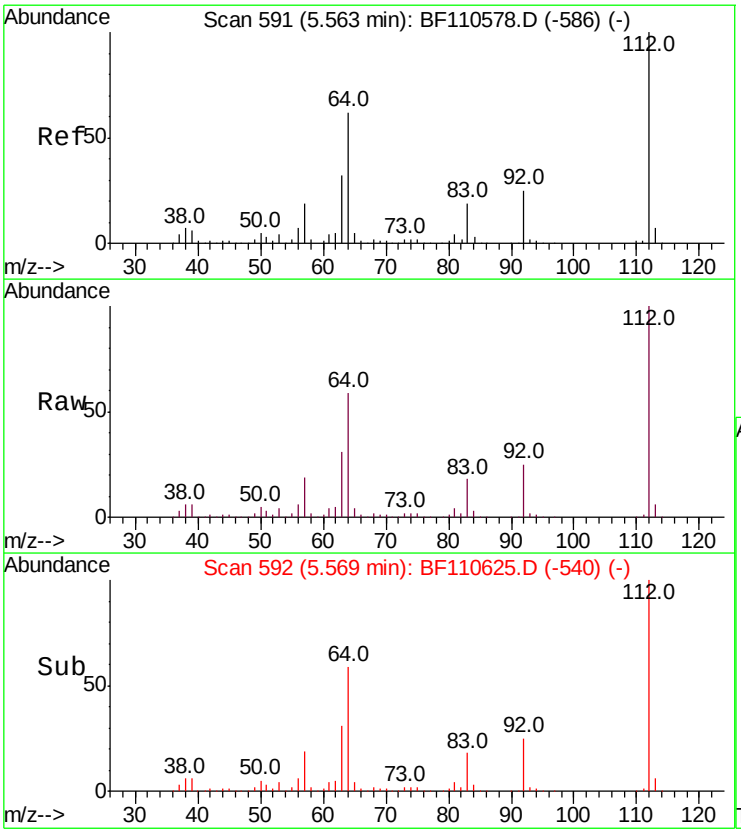

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:152 Resp: 74985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.0 | 122.7 | 184.1 |
| 115 | 62.8 | 49.1 | 73.7 |

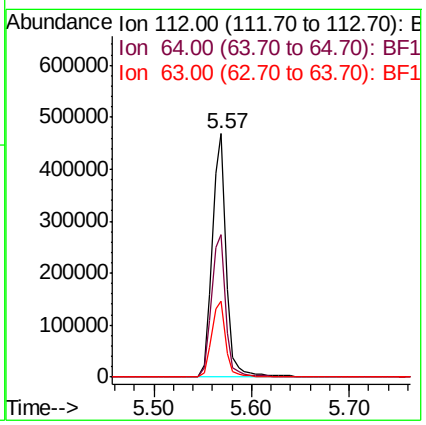


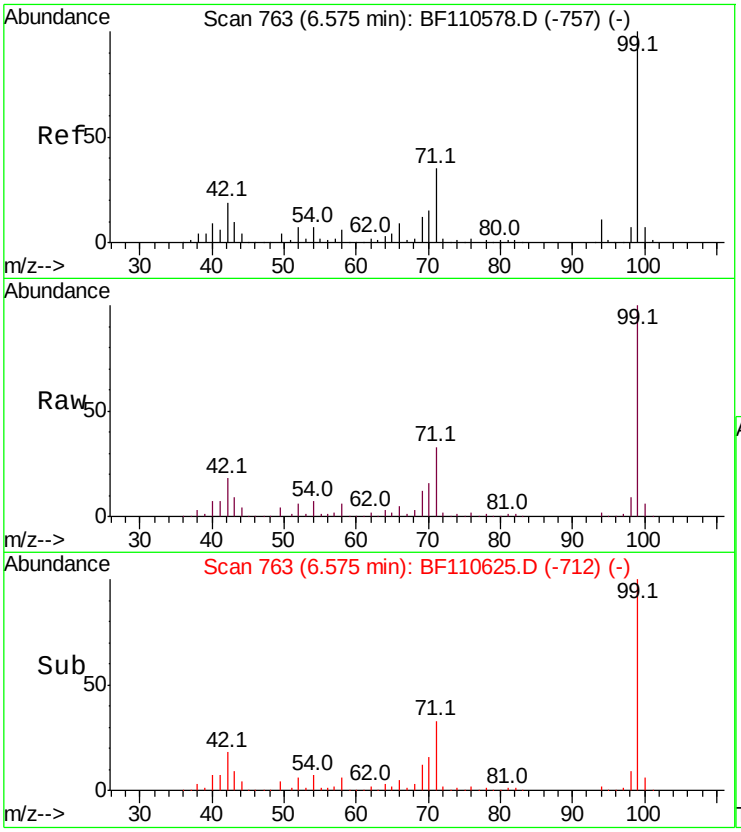




#5
2-Fluorophenol
Concen: 101.043 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:112 Resp: 466455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.5 | 44.1 | 66.1 |
| 63 | 31.1 | 23.7 | 35.5 |



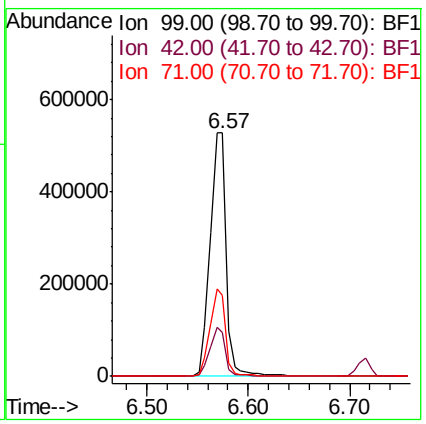


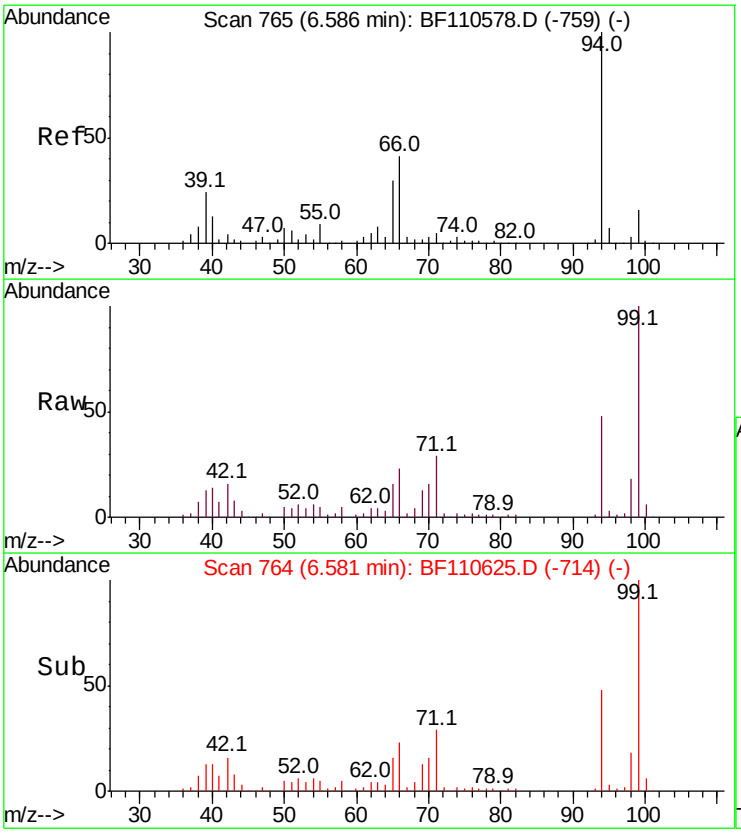

#7
Phenol-d6
Concen: 99.538 ng
RT: 6.57 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion: 99 Resp: 587599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 15.8 | 23.6 |
| 71 | 33.1 | 28.0 | 42.0 |

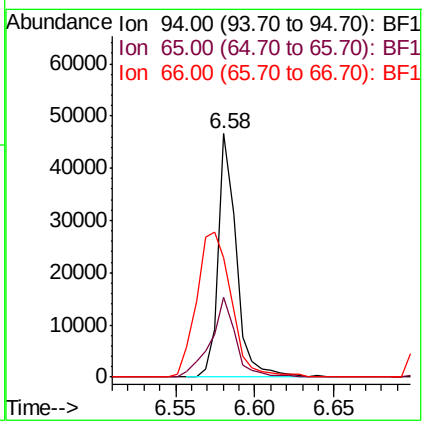


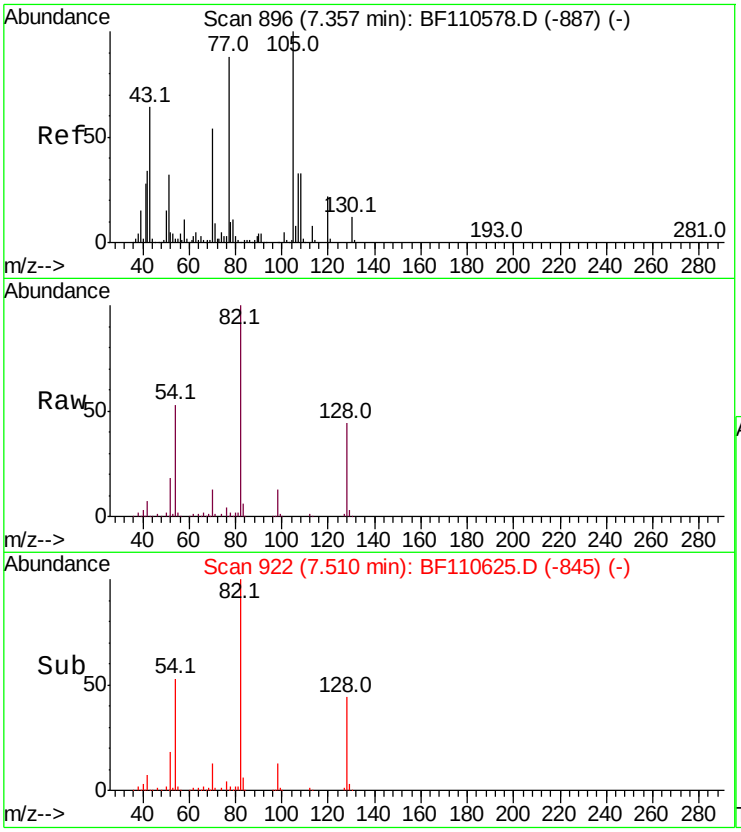




#10
Phenol
Concen: 5.379 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion: 94 Resp: 36822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.7 | 25.3 | 65.3 |
| 66 | 48.9 | 54.5 | 94.5# |



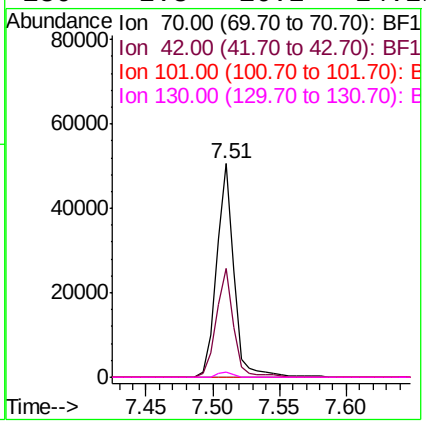


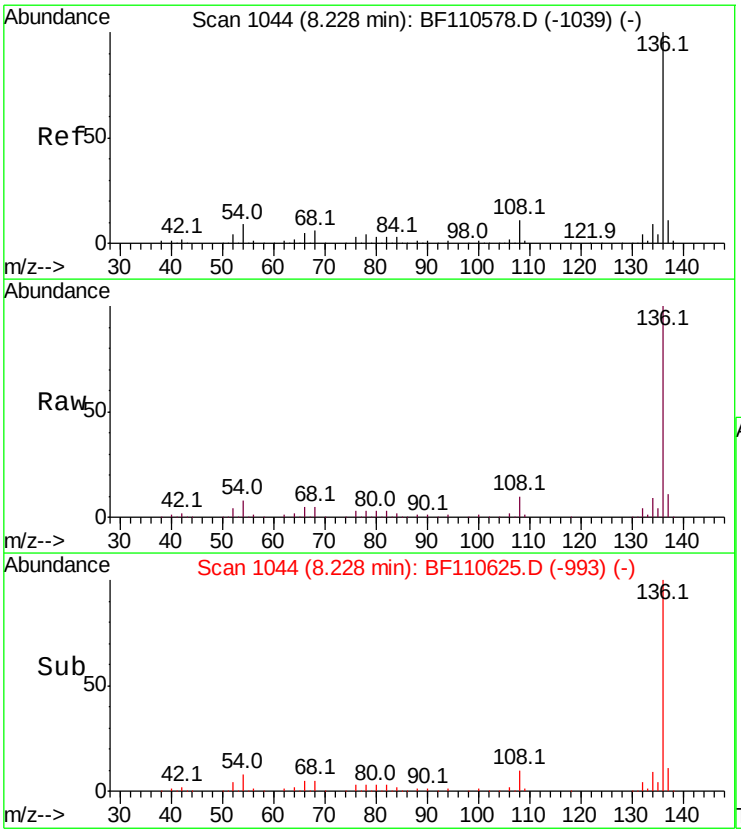

#19
n-Nitroso-di-n-propylamine
Concen: 12.362 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion: 70 Resp: 46582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.2 | 47.4 | 71.2 |
| 101 | 0.0 | 7.3 | 10.9# |
| 130 | 2.3 | 16.2 | 24.2# |

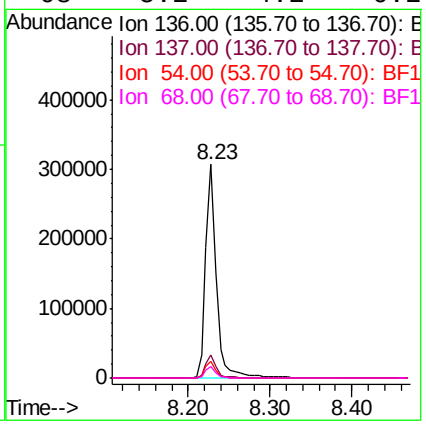


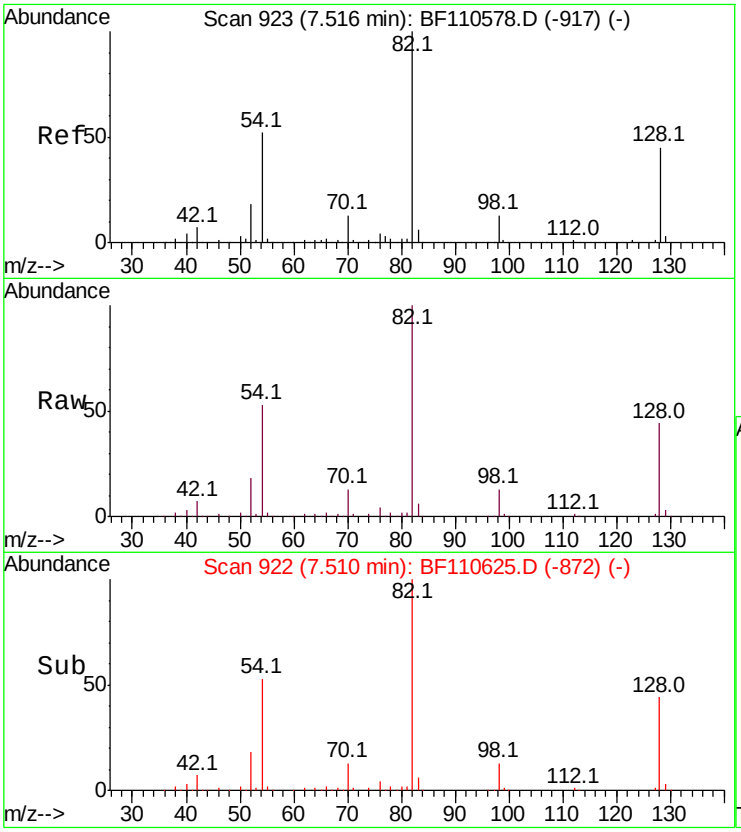




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:136 Resp: 282590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 8.1 | 5.4 | 8.2 |
| 68 | 5.2 | 4.2 | 6.2 |

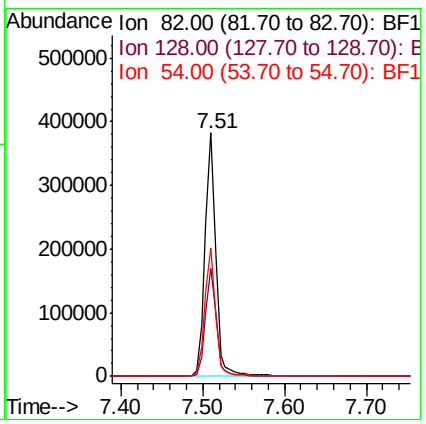




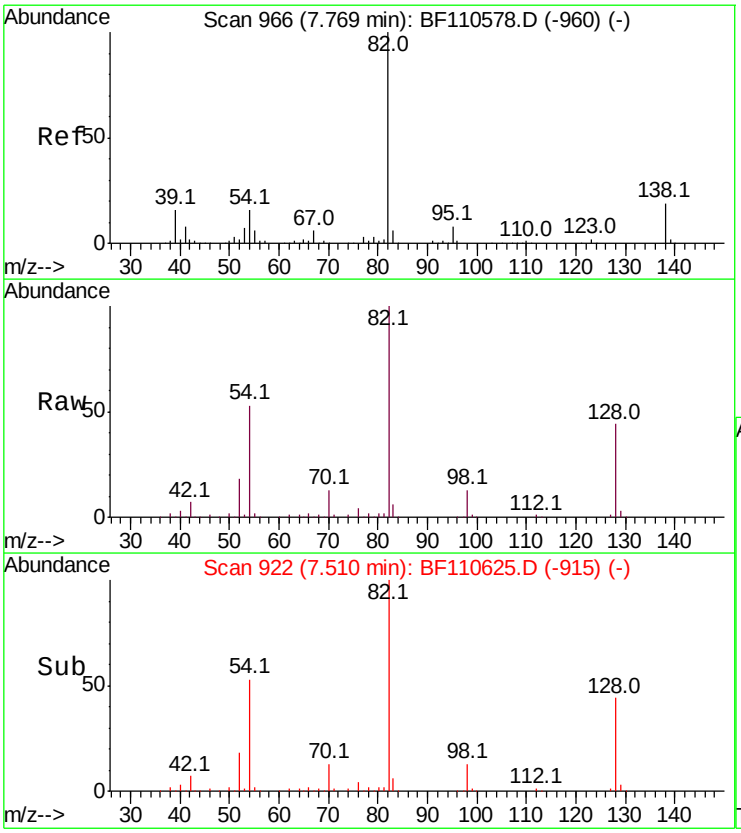

#23
Nitrobenzene-d5
Concen: 72.538 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion: 82 Resp: 355941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.5 | 34.2 | 51.2 |
| 54 | 52.7 | 38.6 | 58.0 |



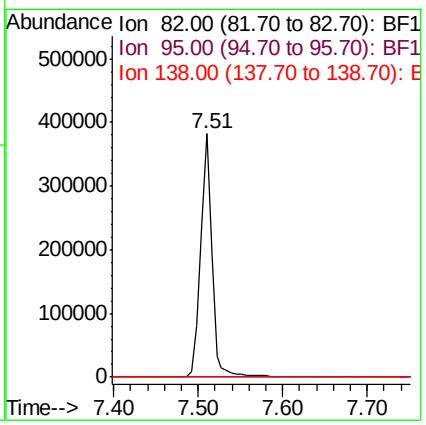

**Instrument :**
BNA_F
**ClientSampleId :**

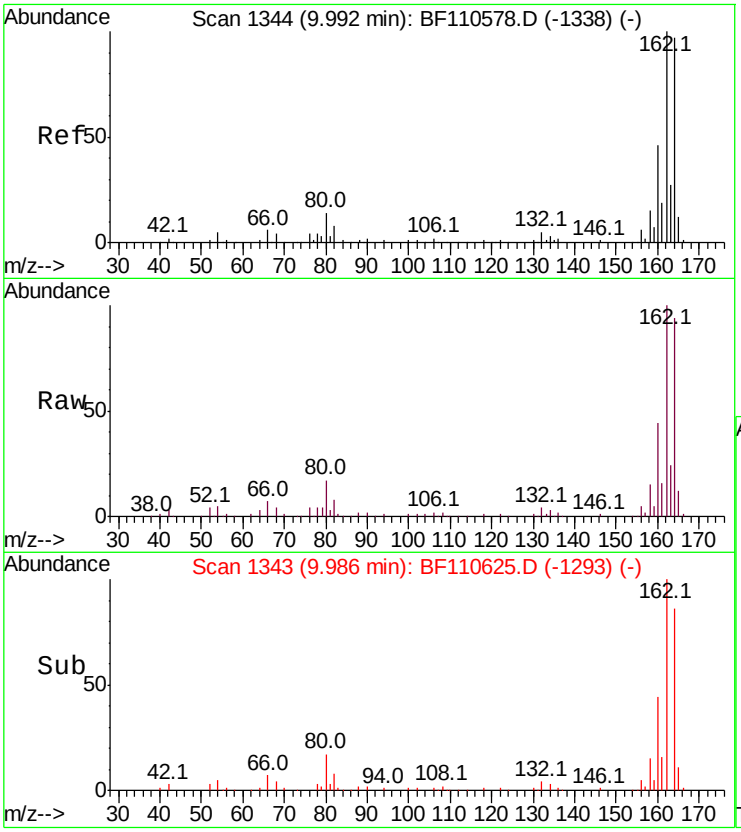



#25
Isophorone
Concen: 44.257 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion: 82 Resp: 355939

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



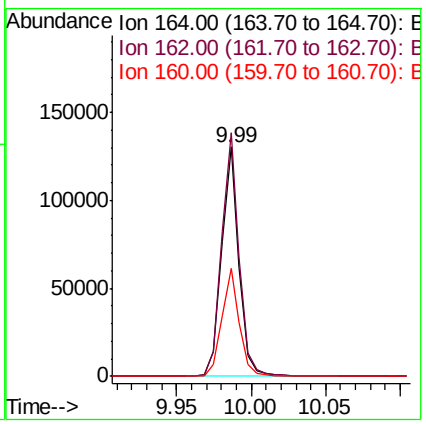


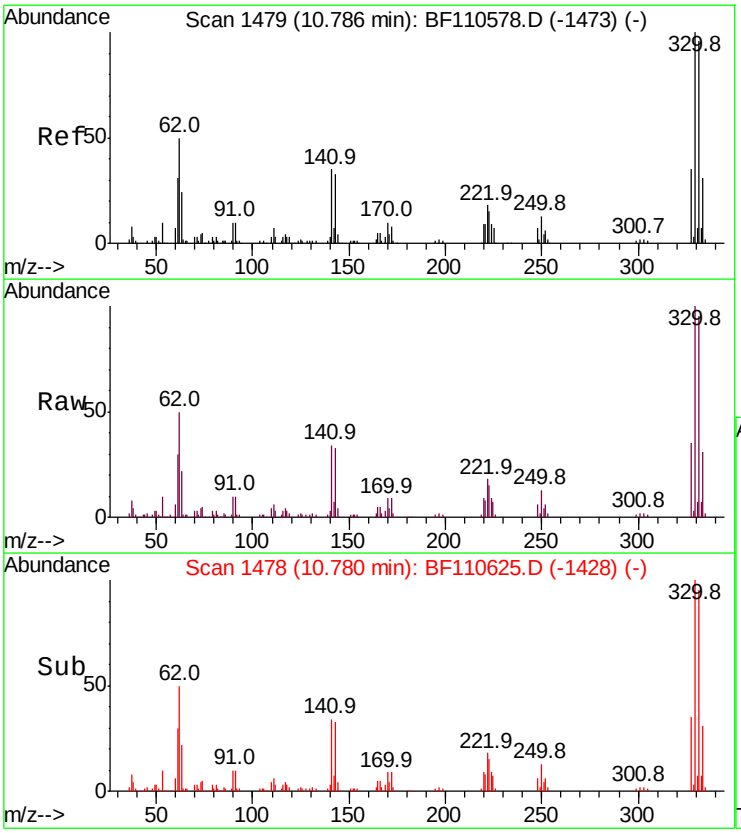

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:164 Resp: 107463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.2 | 83.0 | 124.6 |
| 160 | 46.9 | 37.0 | 55.6 |

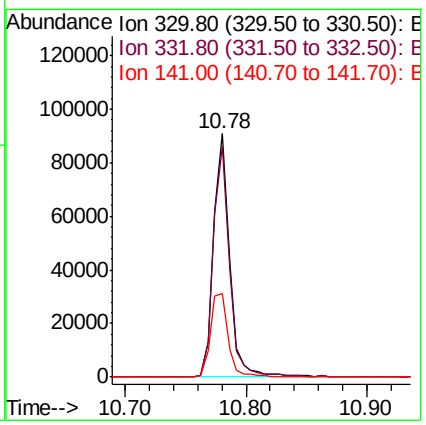


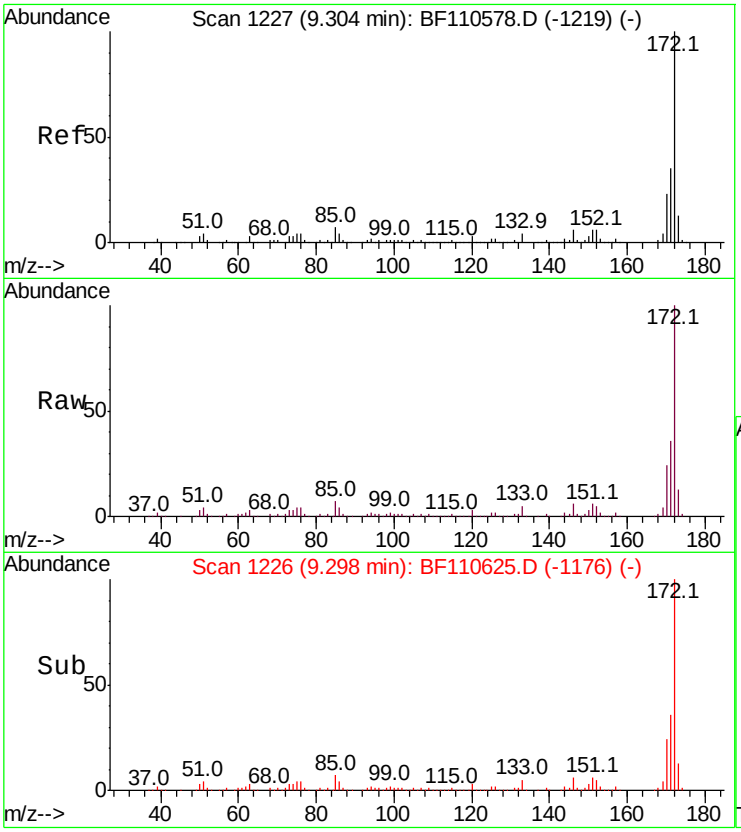




#42
2,4,6-Tribromophenol
Concen: 76.230 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:330 Resp: 82544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.2 | 77.1 | 115.7 |
| 141 | 38.1 | 27.0 | 40.4 |



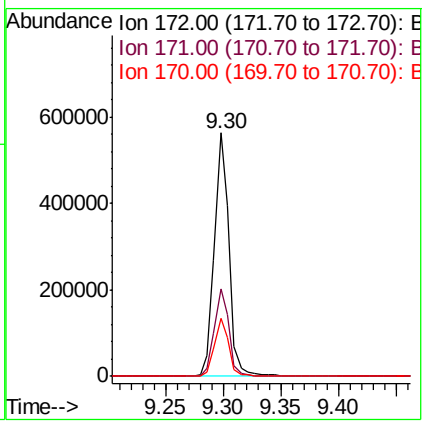


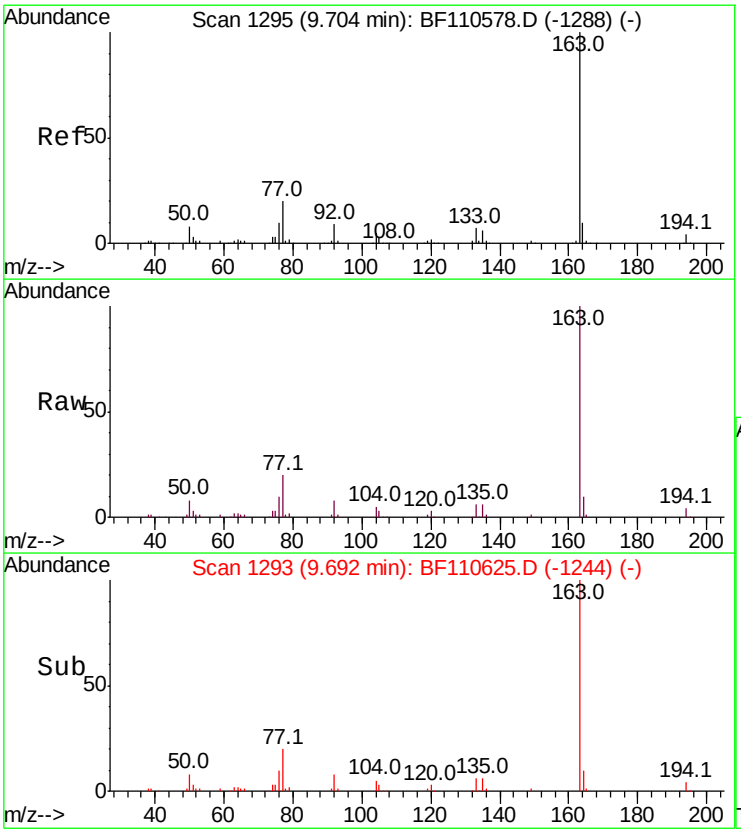

#45
2-Fluorobiphenyl
Concen: 65.976 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:172 Resp: 496435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.6 | 43.0 |
| 170 | 24.1 | 19.7 | 29.5 |

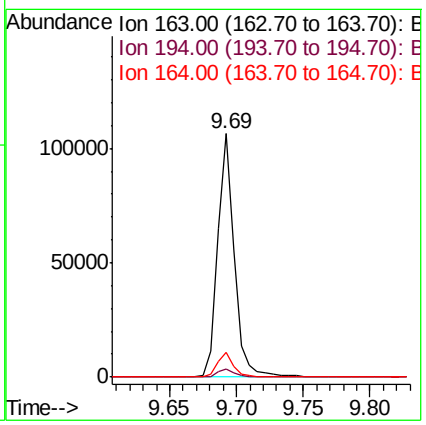


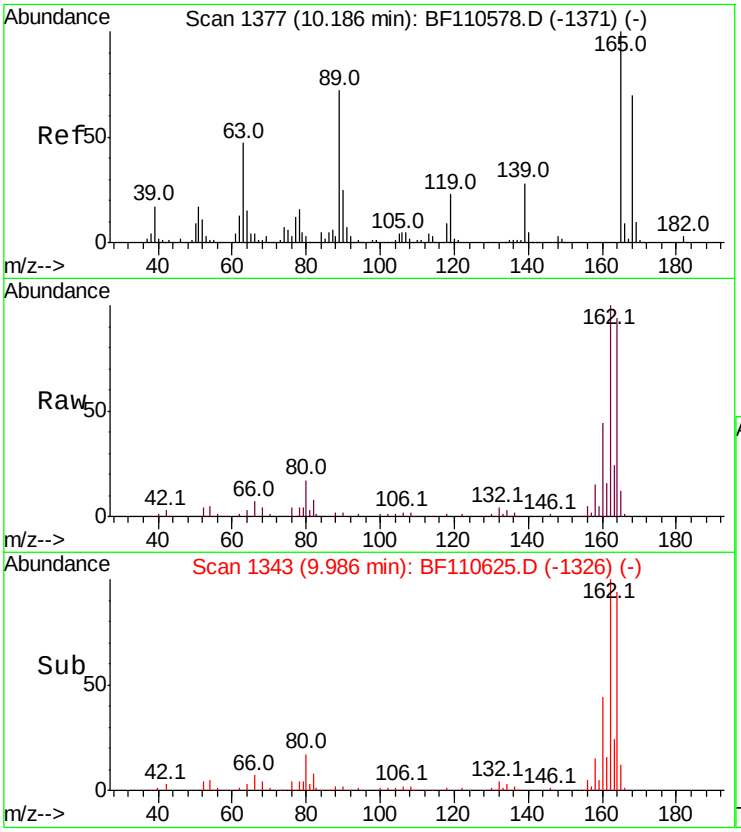




#50
Dimethylphthalate
Concen: 11.764 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:163 Resp: 94329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 3.2 | 4.8 |
| 164 | 10.1 | 8.1 | 12.1 |



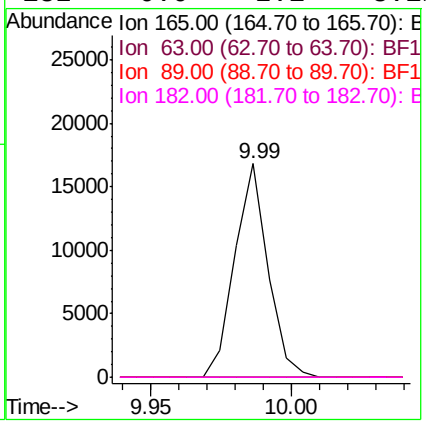


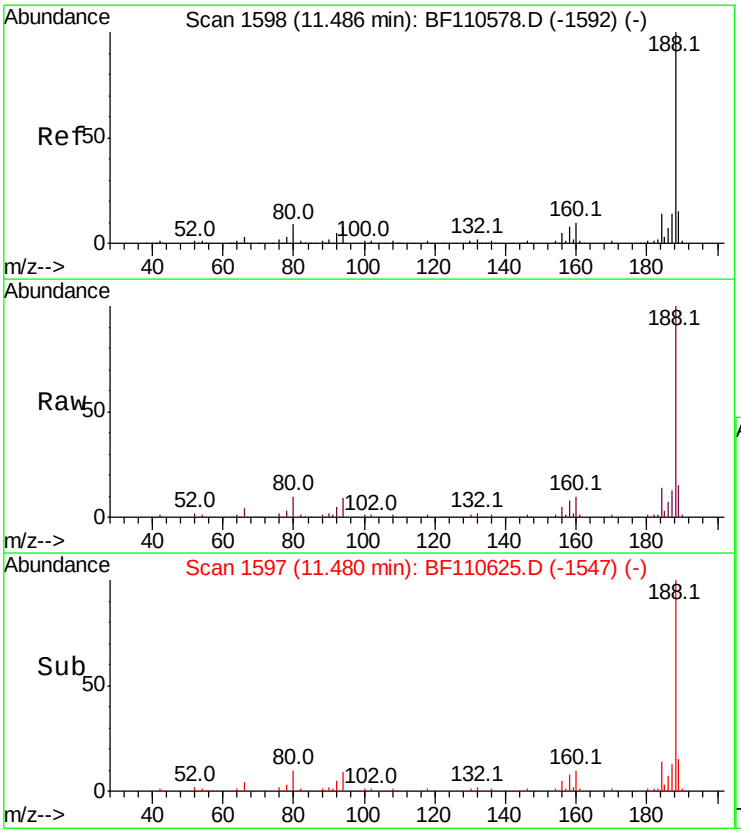

#57
2,4-Dinitrotoluene
Concen: 6.003 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.20 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:165 Resp: 13769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 44.8 | 67.2# |
| 89 | 0.0 | 62.2 | 93.4# |
| 182 | 0.0 | 2.1 | 3.1# |

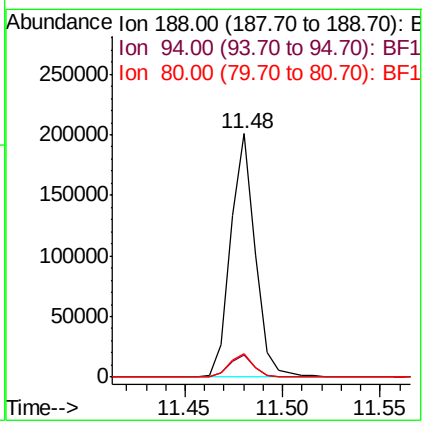


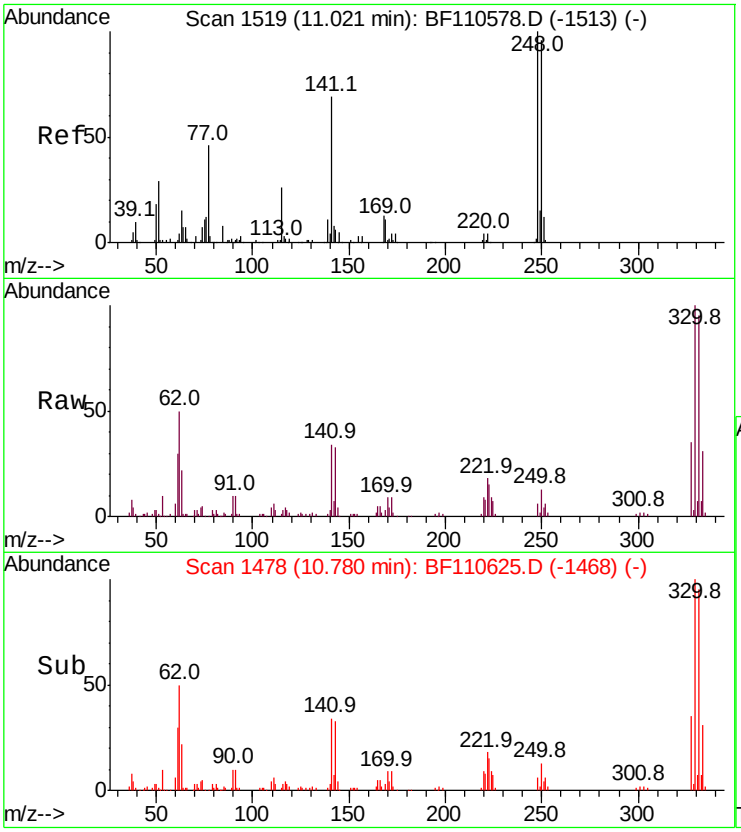




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:188 Resp: 175172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 7.2 | 10.8 |
| 80 | 9.5 | 7.9 | 11.9 |



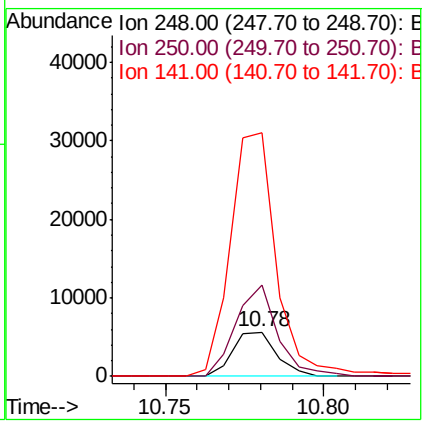


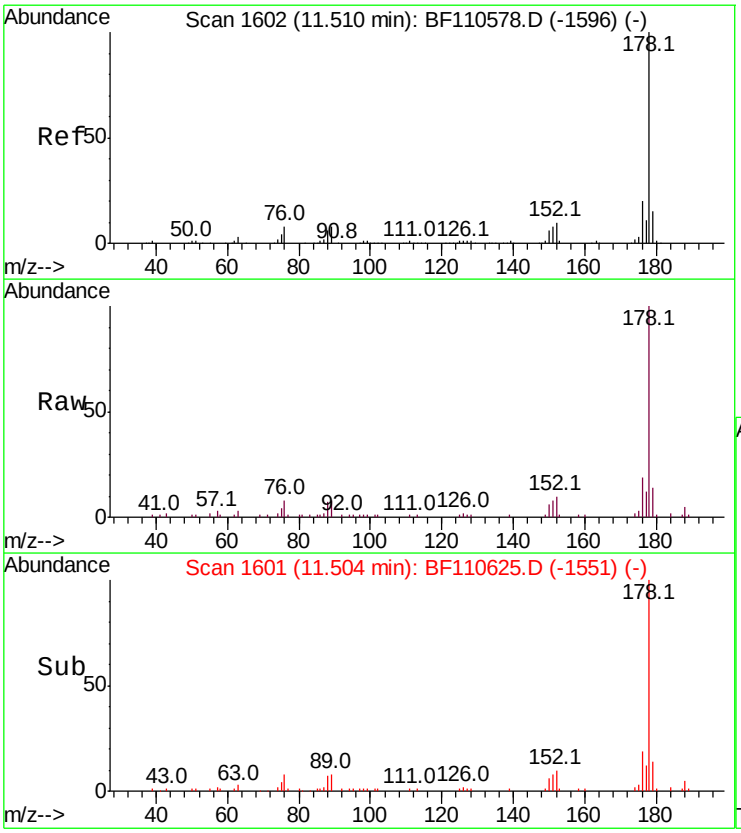

#67
4-Bromophenyl-phenylether
Concen: 2.775 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:248 Resp: 5373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 205.7 | 79.4 | 119.2# |
| 141 | 549.9 | 55.9 | 83.9# |

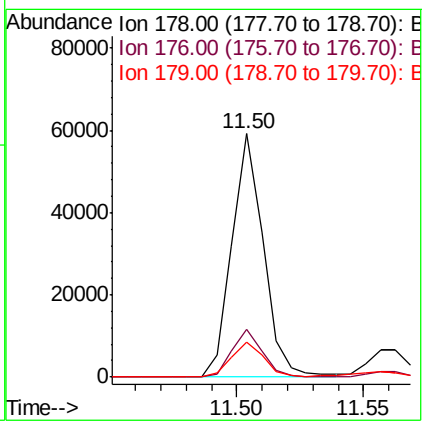


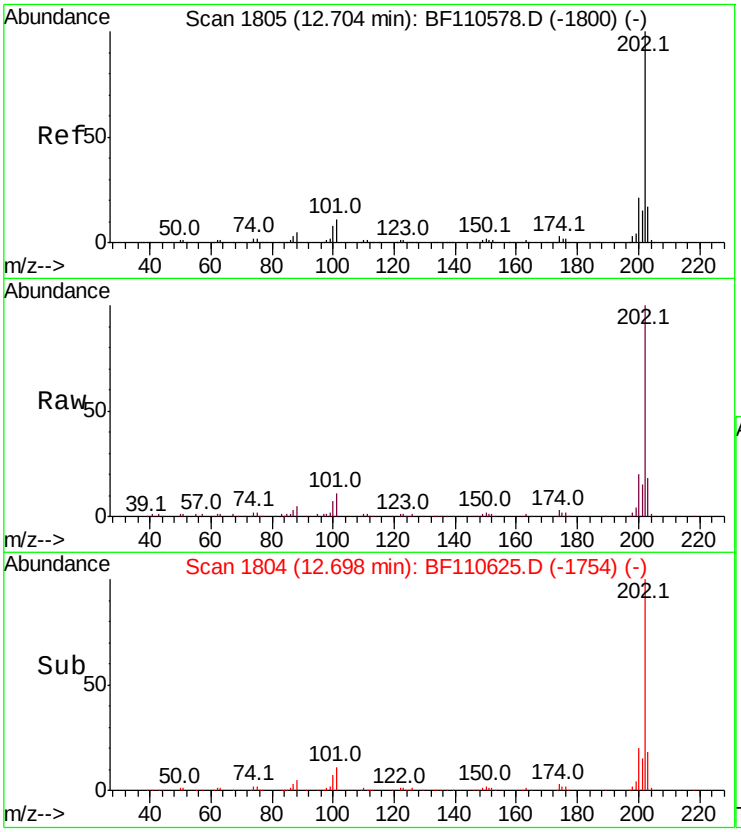




#71
Phenanthrene
Concen: 5.468 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:178 Resp: 51316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.5 | 23.3 |
| 179 | 14.1 | 12.5 | 18.7 |



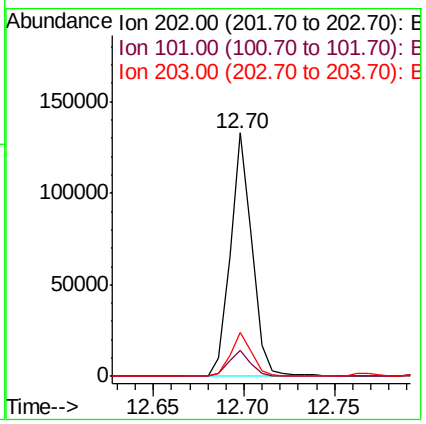


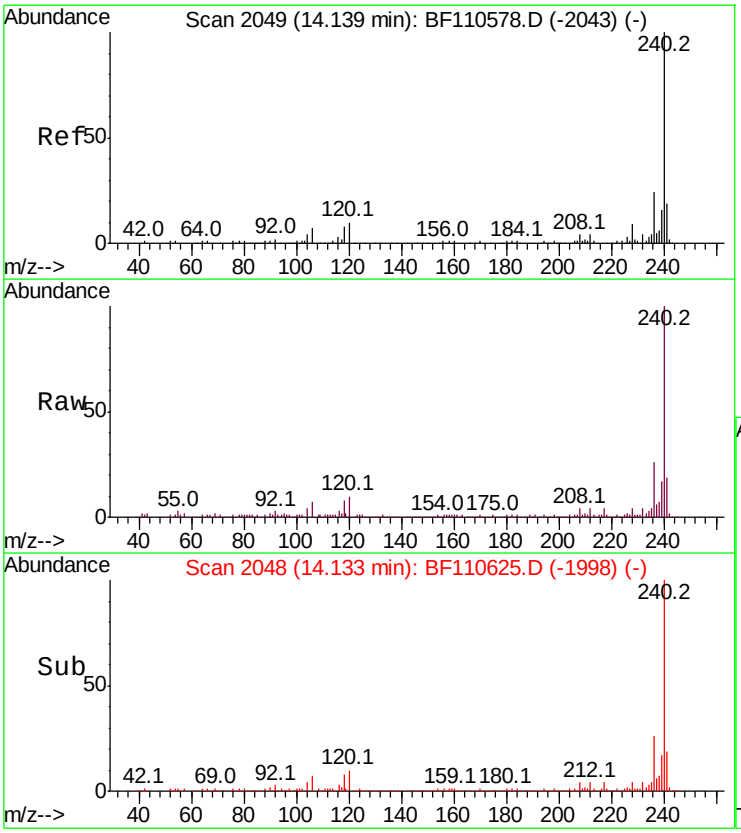

#75
Fluoranthene
Concen: 11.782 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:202 Resp: 110859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 0.0 | 31.4 |
| 203 | 17.9 | 0.0 | 37.7 |

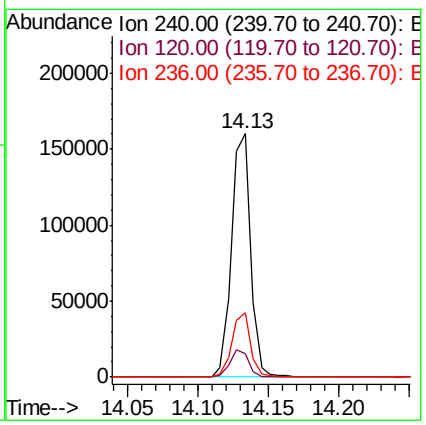


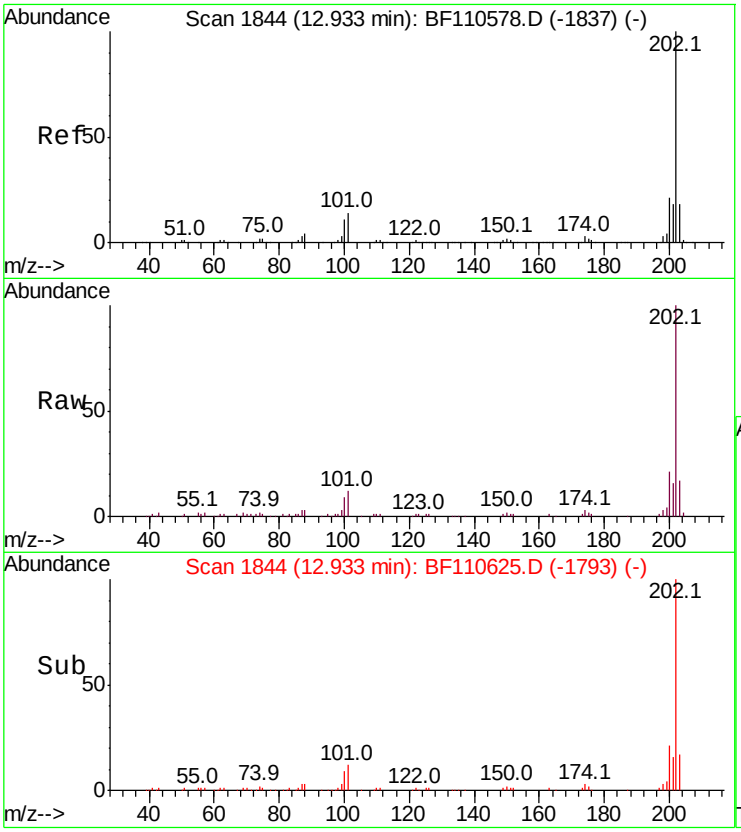




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:240 Resp: 151092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.3 | 12.5 |
| 236 | 26.2 | 21.2 | 31.8 |



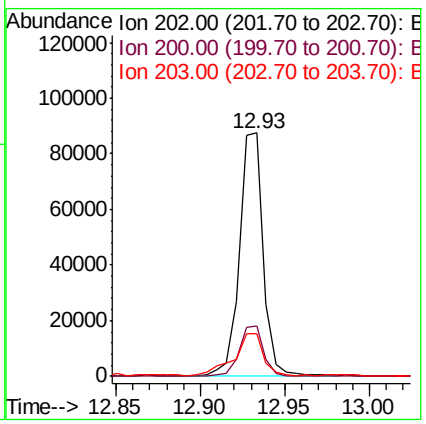


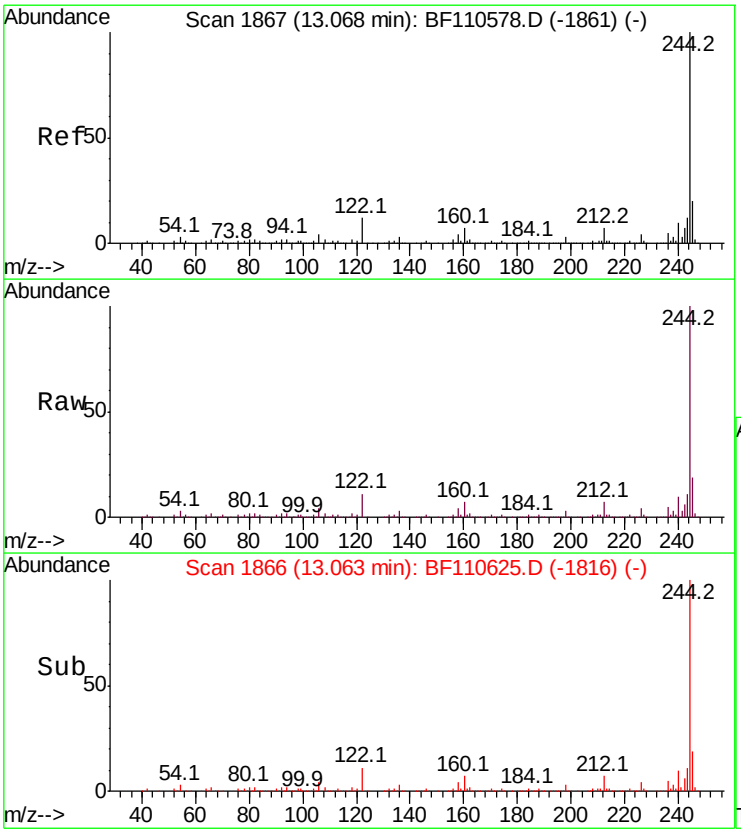

#78
Pyrene
Concen: 7.379 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:202 Resp: 85851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.8 | 26.6 |
| 203 | 17.3 | 14.2 | 21.4 |

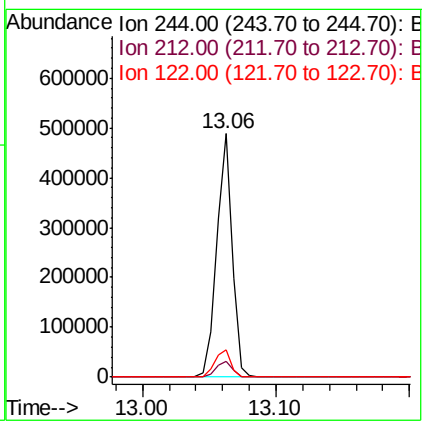


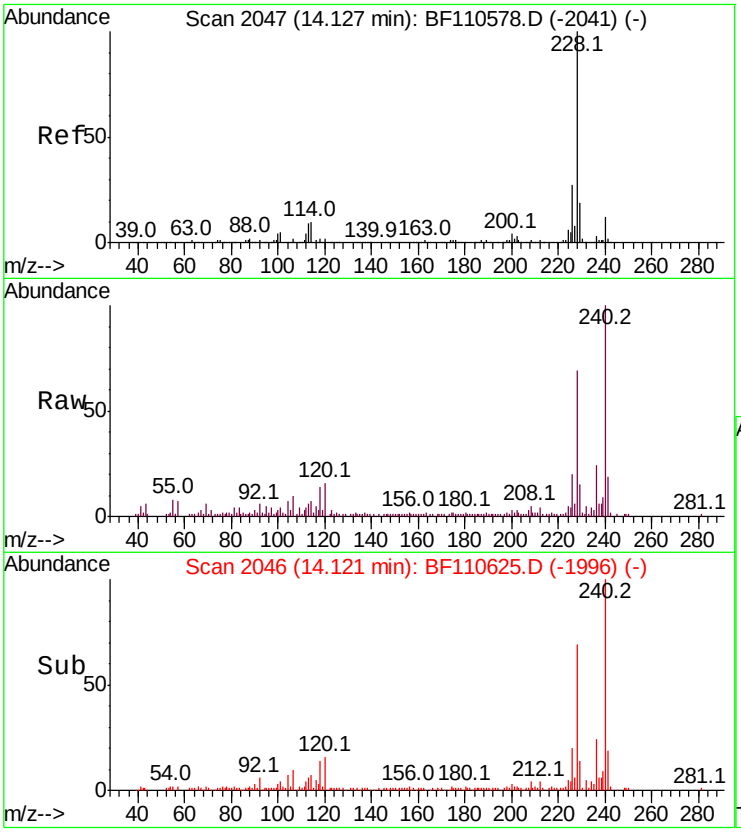




#79
Terphenyl-d14
Concen: 49.543 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:244 Resp: 399708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.8 | 8.8 |
| 122 | 11.4 | 8.7 | 13.1 |



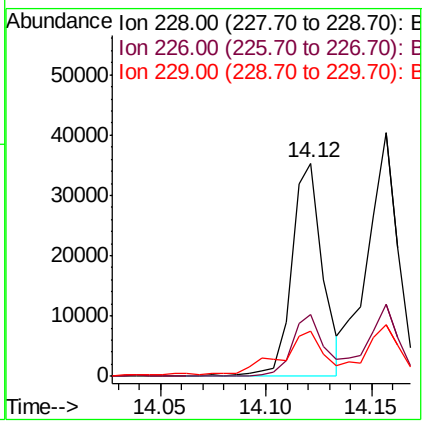


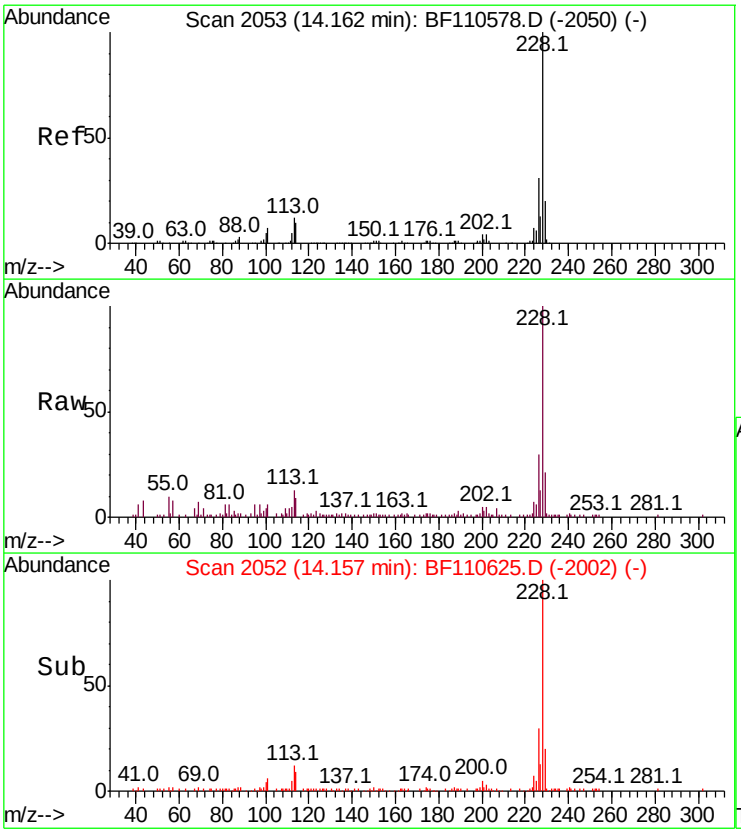

#81
Benzo(a)anthracene
Concen: 3.997 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:228 Resp: 36098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 22.1 | 33.1 |
| 229 | 21.4 | 15.6 | 23.4 |

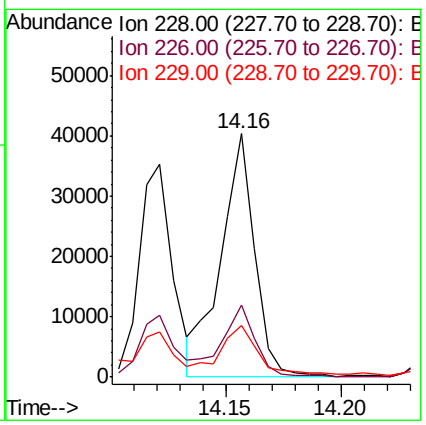


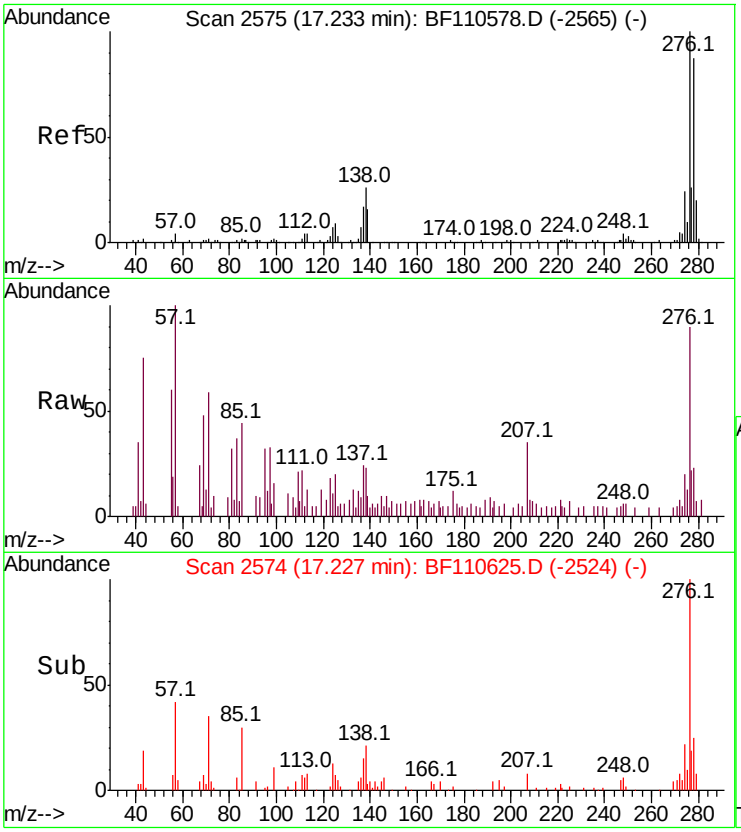




#83
Chrysene
Concen: 4.799 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:228 Resp: 41289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.7 | 37.1 |
| 229 | 21.1 | 15.9 | 23.9 |



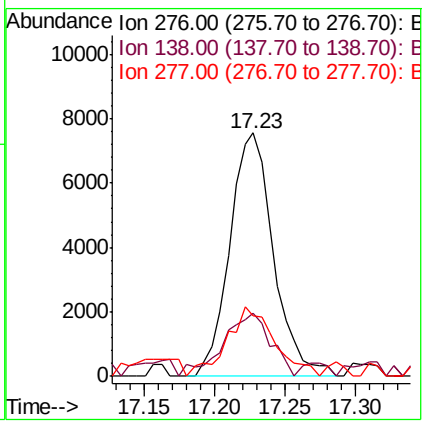


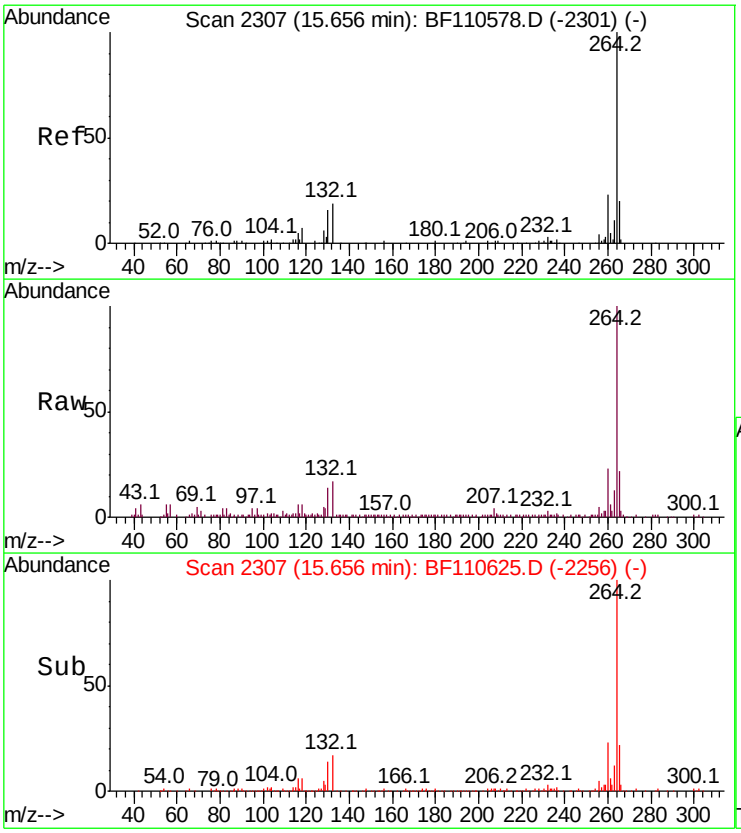

#86
Indeno(1,2,3-cd)pyrene
Concen: 2.650 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:276 Resp: 16364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.0 | 18.5 | 27.7# |
| 277 | 30.9 | 20.0 | 30.0# |

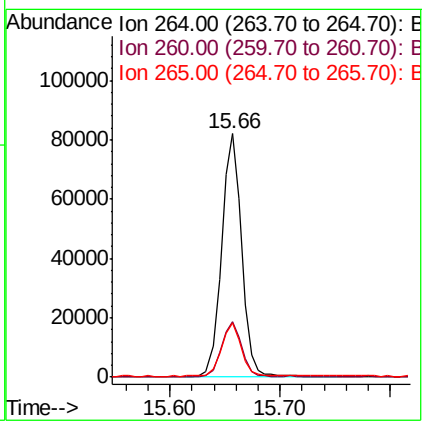


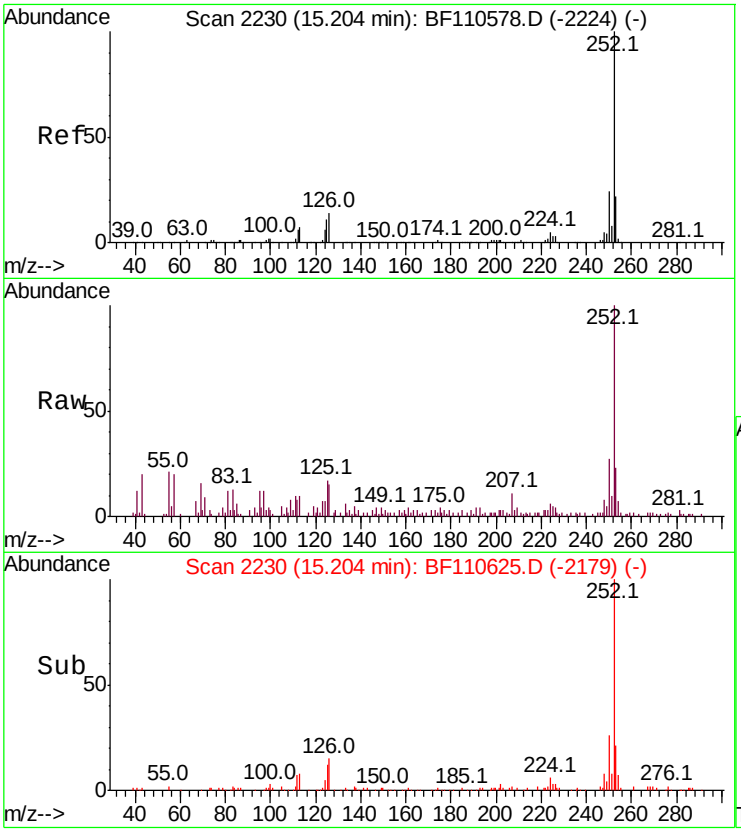




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:264 Resp: 104342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.7 | 28.1 |
| 265 | 22.0 | 16.7 | 25.1 |



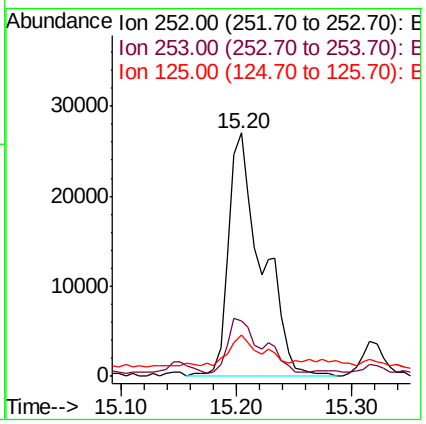


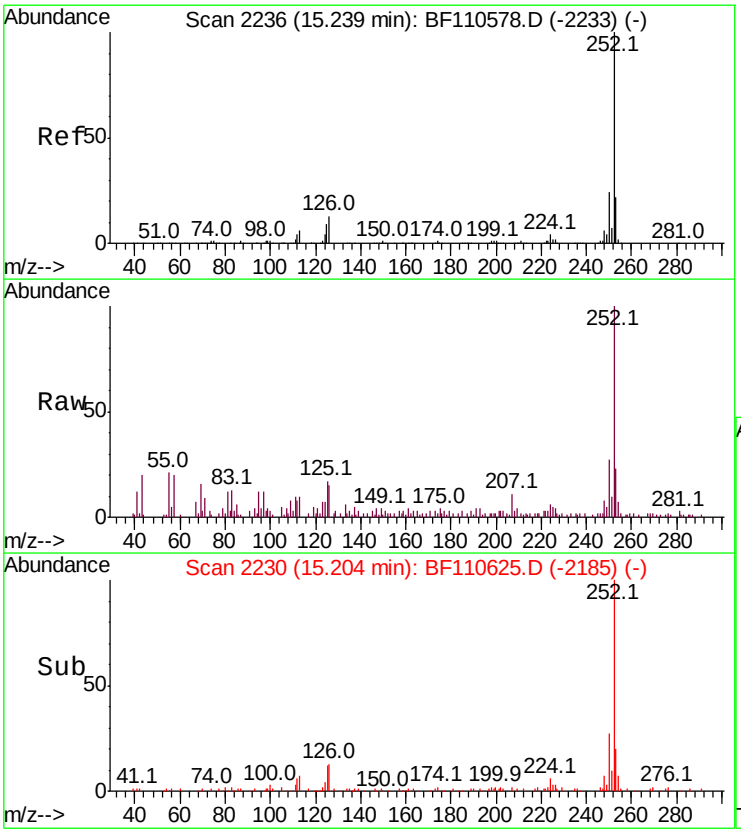

#88
Benzo(b)fluoranthene
Concen: 8.727 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:252 Resp: 54477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.2 | 25.8 |
| 125 | 17.1 | 8.2 | 12.4# |

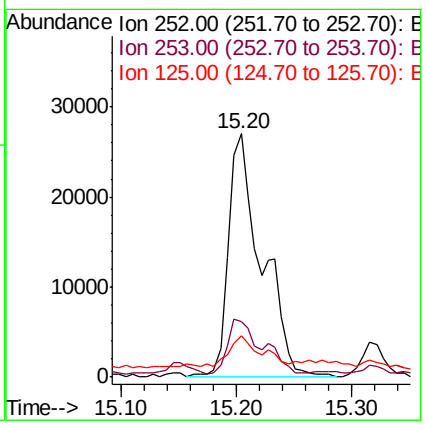


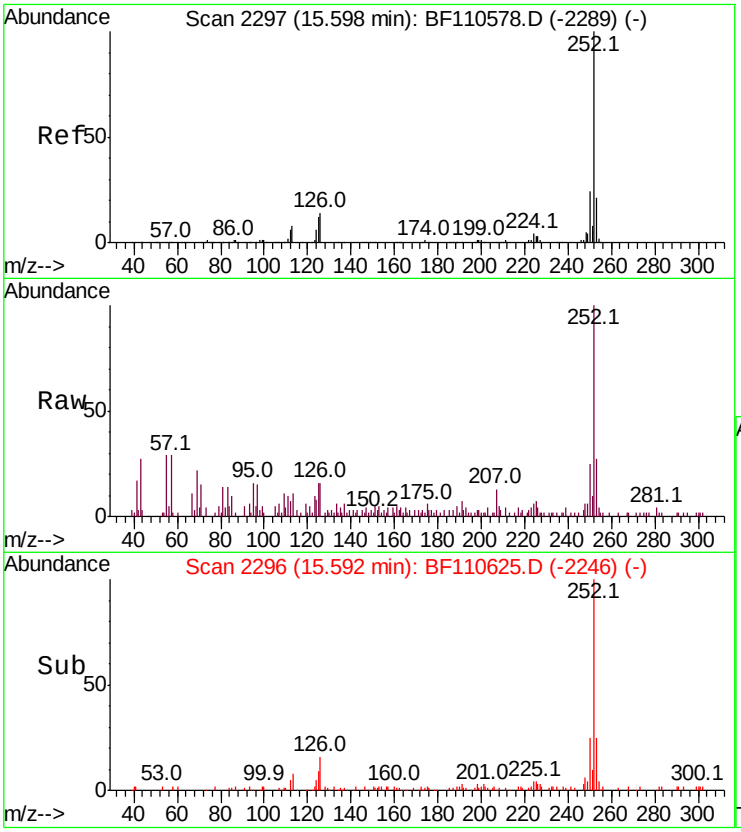




#89
Benzo(k)fluoranthene
Concen: 8.832 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:252 Resp: 54477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.2 | 25.8 |
| 125 | 17.1 | 7.4 | 11.0# |



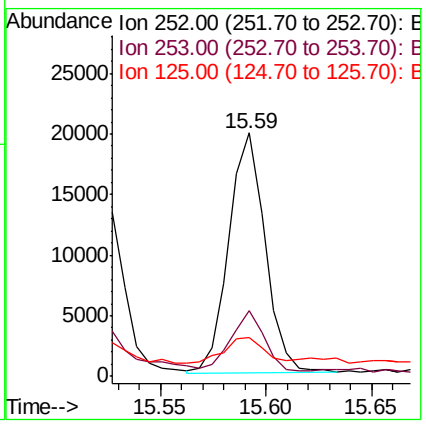


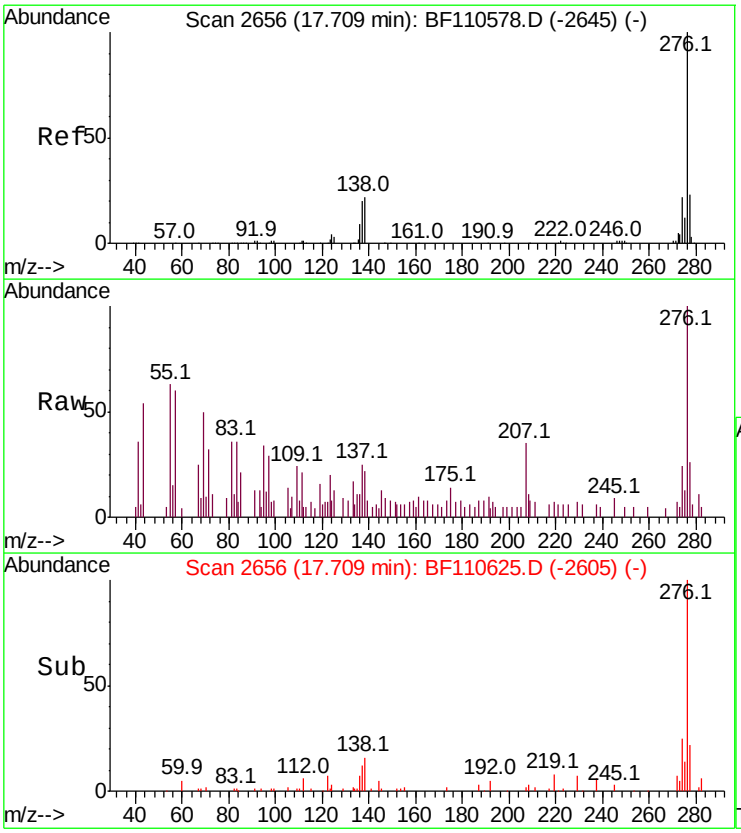

#90
Benzo(a)pyrene
Concen: 4.169 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

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

Tgt Ion:252 Resp: 23644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.9 | 18.2 | 27.4 |
| 125 | 16.2 | 9.0 | 13.6# |




#92
Benzo(g,h,i)perylene
Concen: 3.269 ng
RT: 17.71 min Scan# 2656
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:276 Resp: 15566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.9 | 18.8 | 28.2 |
| 138 | 22.0 | 16.0 | 24.0 |