Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103451.D
Acq On : 6 Mar 2018 13:10
Operator : SJ/JU
Sample : J1723-03RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 06 14:50:42 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 11:52:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 125936 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 527180 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.91 | 164 | 223208 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.41 | 188 | 352437 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.06 | 240 | 210024 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.58 | 264 | 188546 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 635468 | 76.32 | ng | | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 778969 | 76.45 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 483289 | 52.35 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 110750 | 58.62 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 716231 | 49.84 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 480008 | 54.94 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.50 | 77 | 1889 | Below Cal | | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.44 | 70 | 64368 | 10.151 | ng | # | 85 |
| 25) Isophorone | 7.44 | 82 | 483289 | 26.582 | ng | # | 64 |
| 49) Dimethylphthalate | 9.62 | 163 | 43058 | 2.405 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.91 | 165 | 29548 | 7.863 | ng | # | 25 |
| 56) 2,4-Dinitrotoluene | 9.91 | 165 | 29807 | 6.272 | ng | # | 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.70 | 198 | 232 | 5.042 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.71 | 248 | 7768 | 2.116 | ng | # | 1 |
| 70) Phenanthrene | 11.43 | 178 | 130299 | 6.718 | ng | | 98 |
| 74) Fluoranthene | 12.63 | 202 | 215632 | 11.063 | ng | | 98 |
| 77) Pyrene | 12.86 | 202 | 213769 | 13.055 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 96701 | 7.096 | ng | | 97 |
| 82) Chrysene | 14.09 | 228 | 89942 | 6.798 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.13 | 276 | 39831 | 3.802 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.13 | 252 | 149229 | 12.038 | ng | # | 89 |
| 88) Benzo(k)fluoranthene | 15.13 | 252 | 149229 | 12.784 | ng | # | 92 |
| 89) Benzo(a)pyrene | 15.52 | 252 | 75502 | 6.820 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 17.60 | 276 | 36445 | 4.359 | ng | # | 93 |

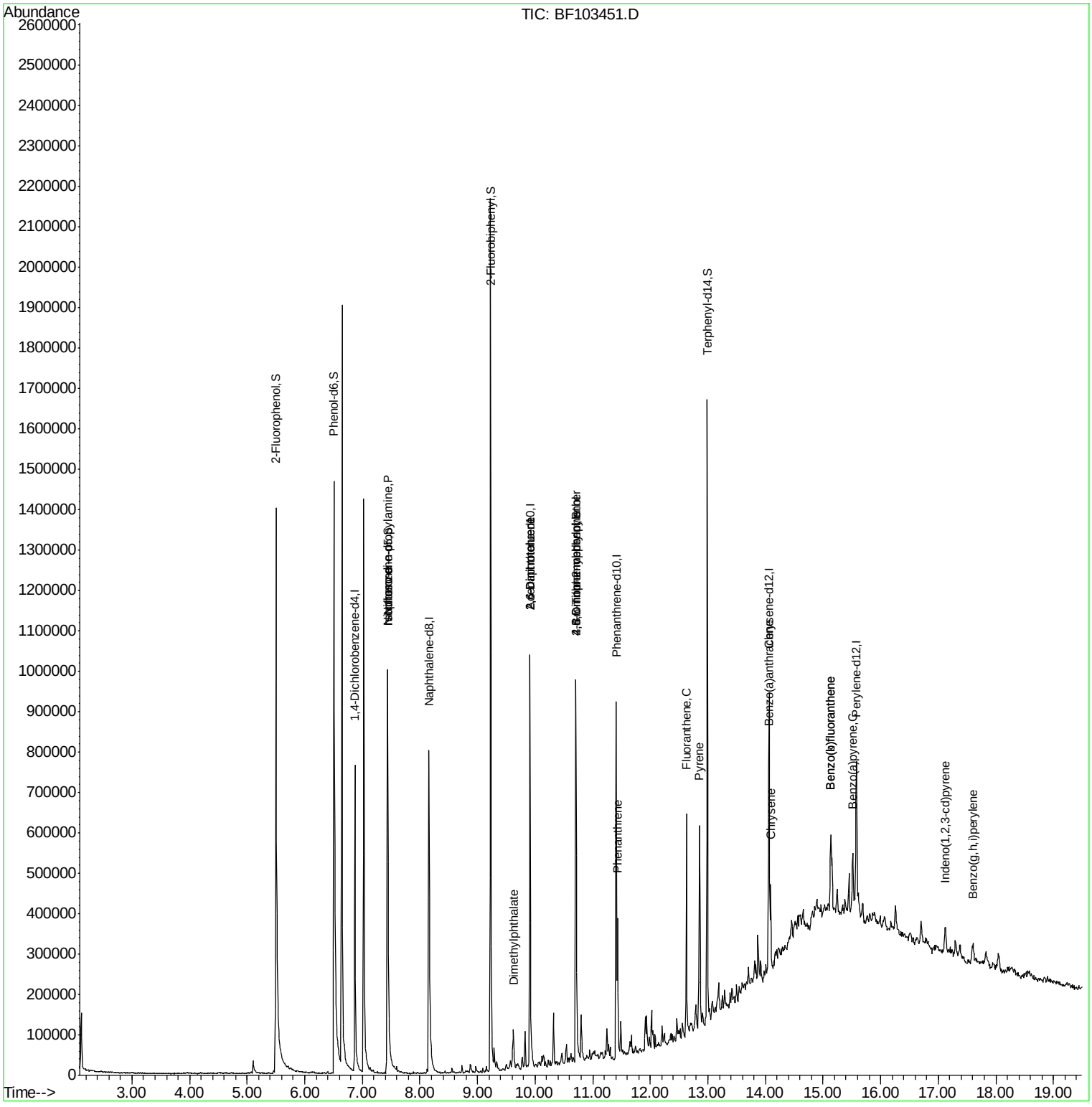
(#) = qualifier out of range (m) = manual integration (+) = signals summed

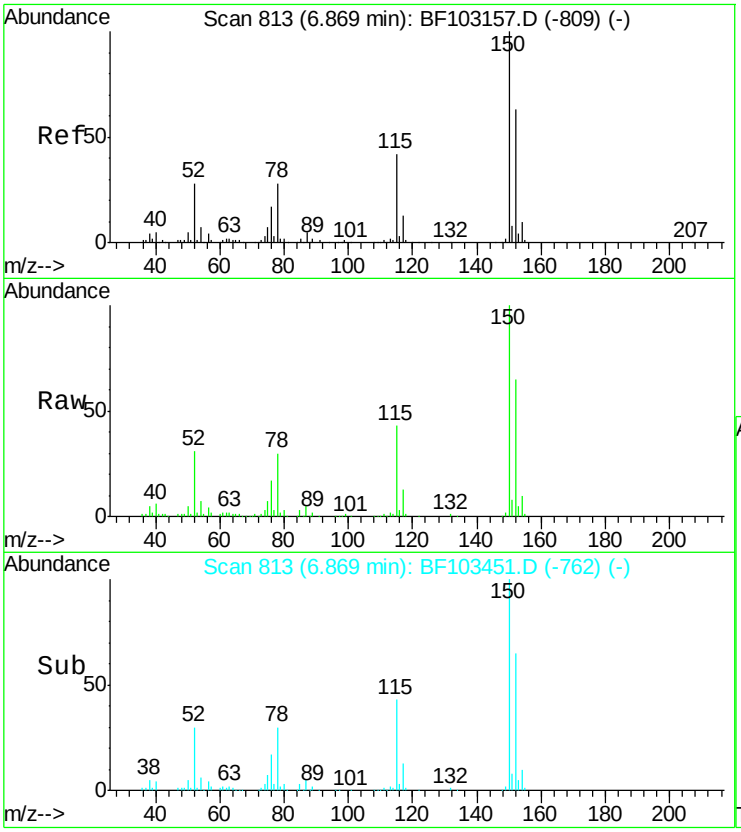
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103451.D
Acq On : 6 Mar 2018 13:10
Operator : SJ/JU
Sample : J1723-03RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 06 14:50:42 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 11:52:59 2018
Response via : Initial Calibration



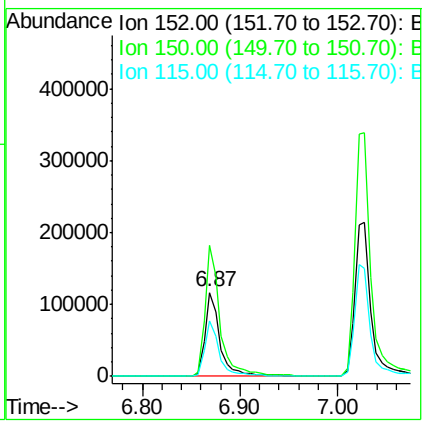


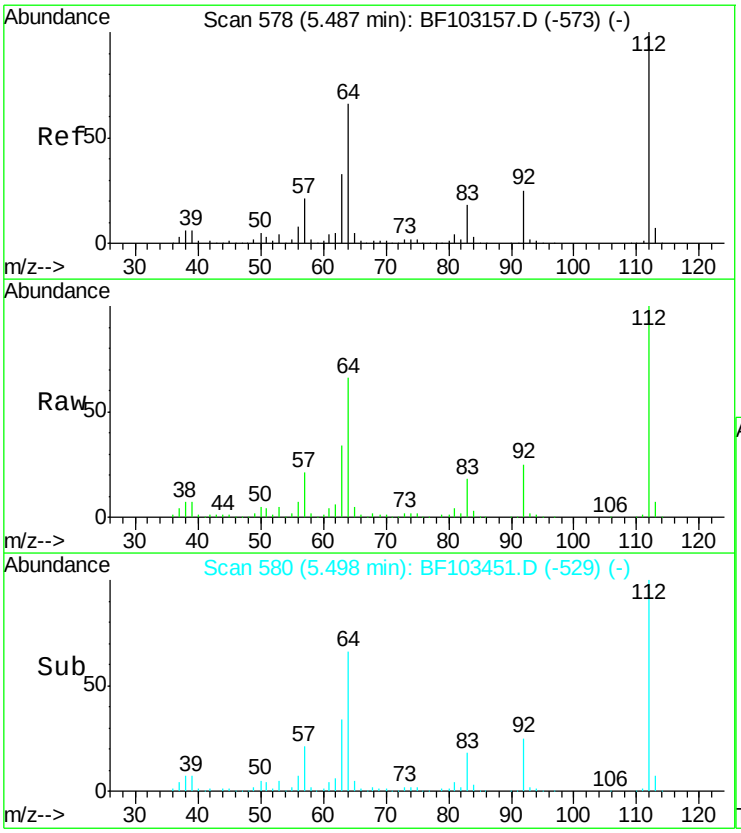

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:152 Resp: 125936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.9 | 124.6 | 186.8 |
| 115 | 66.7 | 50.1 | 75.1 |

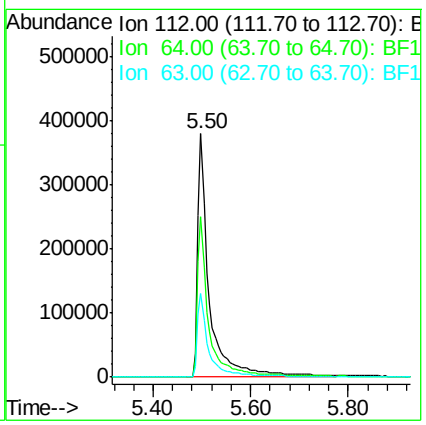


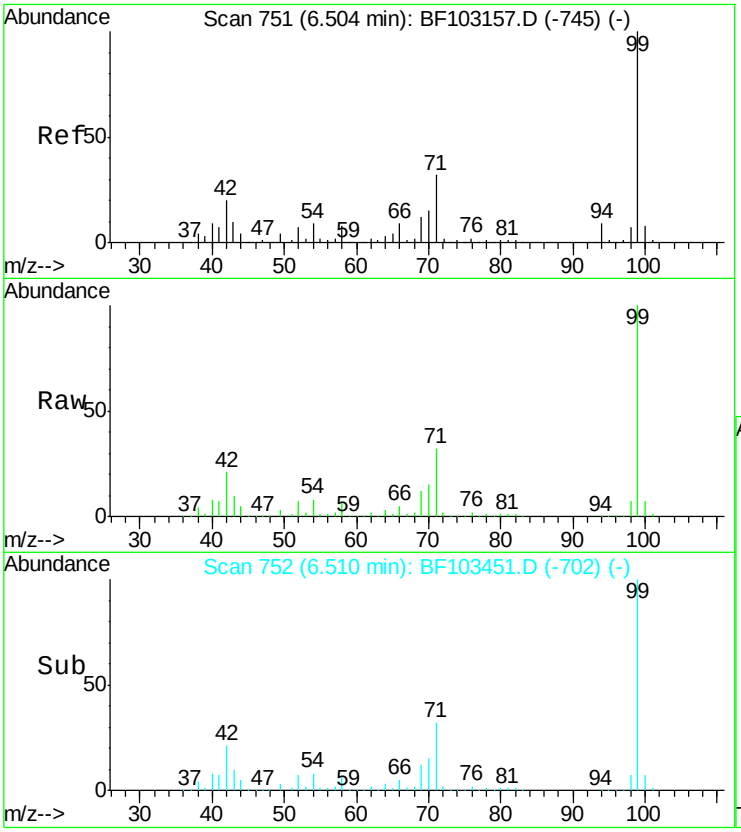




#5
2-Fluorophenol
Concen: 76.317 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:112 Resp: 635468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.8 | 47.9 | 71.9 |
| 63 | 34.4 | 23.7 | 35.5 |



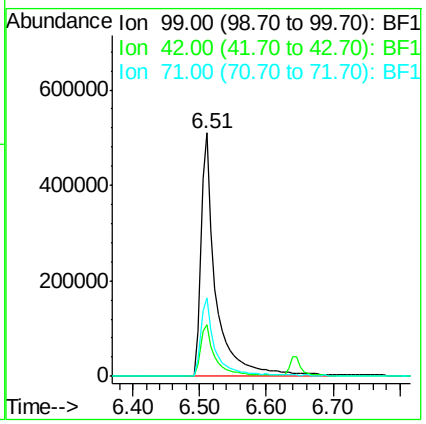


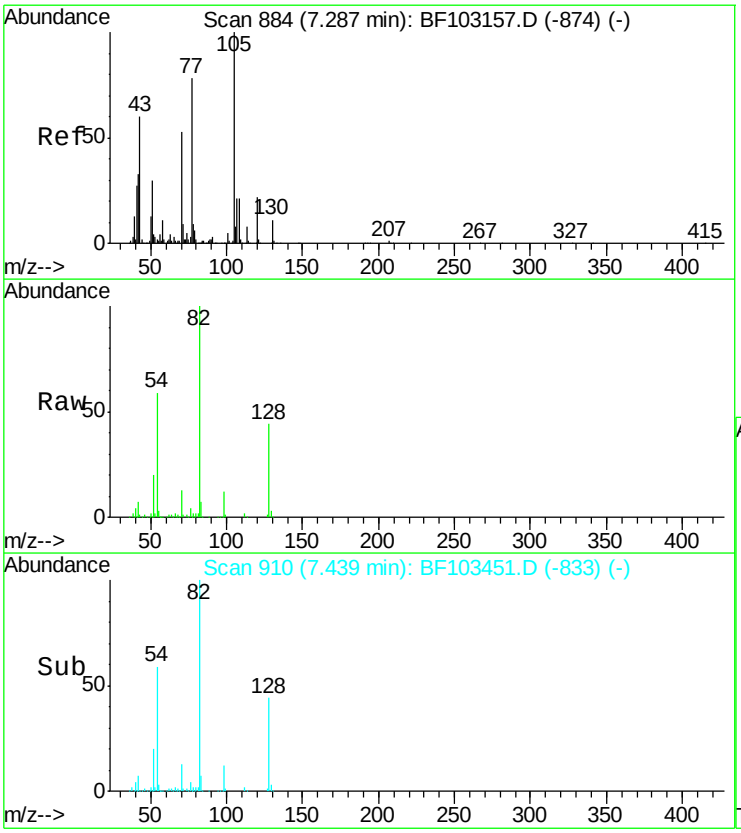

#7
Phenol-d6
Concen: 76.452 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion: 99 Resp: 778969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.0 | 14.5 | 21.7 |
| 71 | 32.1 | 25.4 | 38.0 |

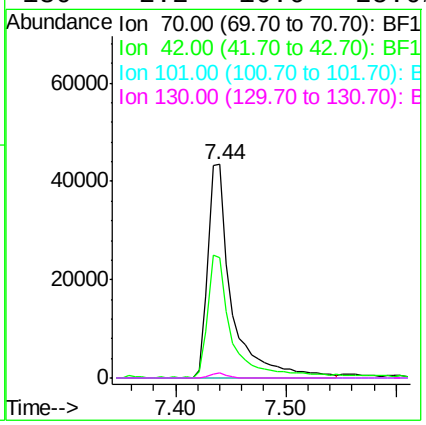


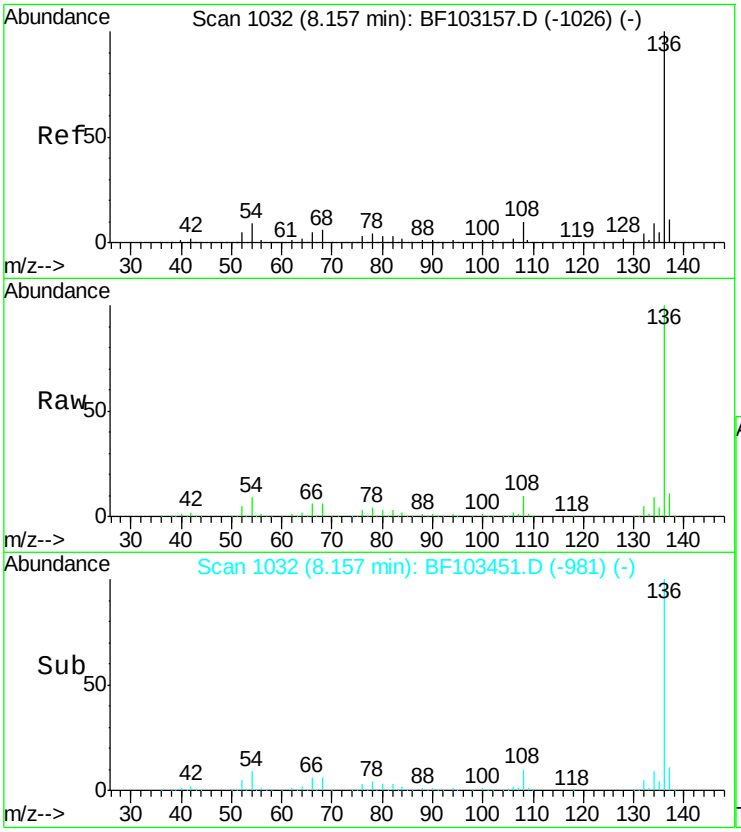




#19
n-Nitroso-di-n-propylamine
Concen: 10.151 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion: 70 Resp: 64368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.4 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.2 | 16.6 | 25.0# |



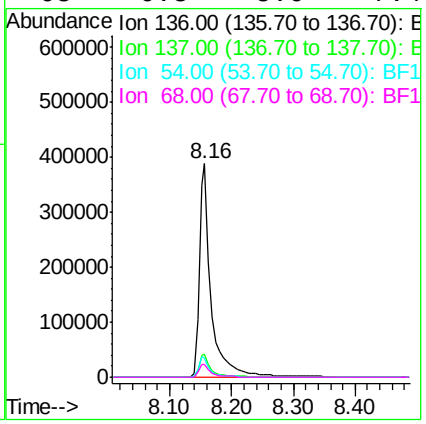


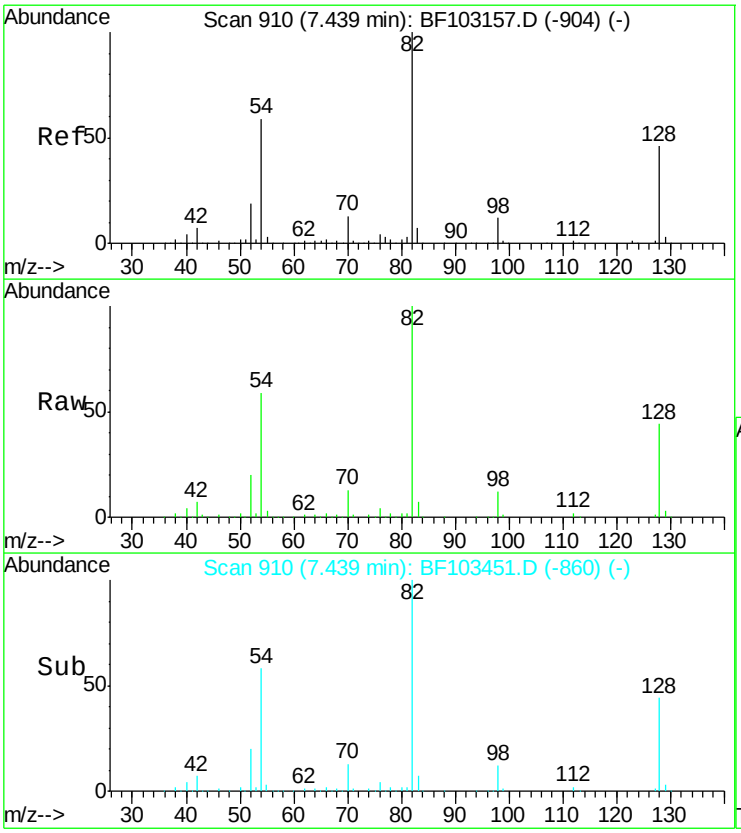

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:136 Resp: 527180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 8.8 | 6.6 | 9.8 |
| 68 | 6.3 | 5.0 | 7.4 |

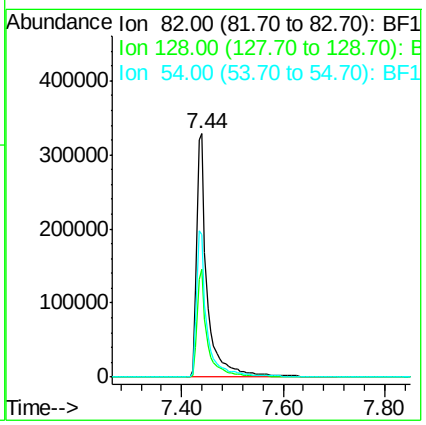


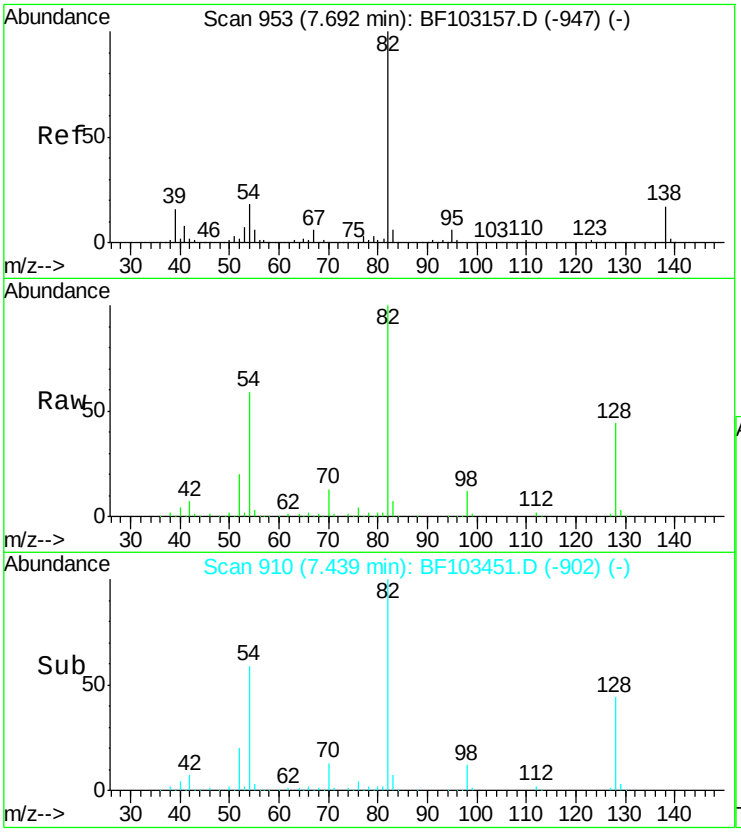




#23
Nitrobenzene-d5
Concen: 52.354 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion: 82 Resp: 483289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 36.1 | 54.1 |
| 54 | 58.5 | 41.4 | 62.2 |



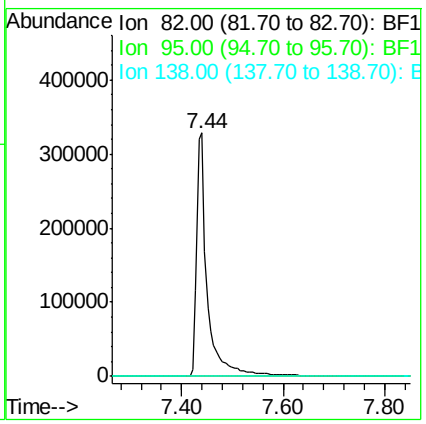


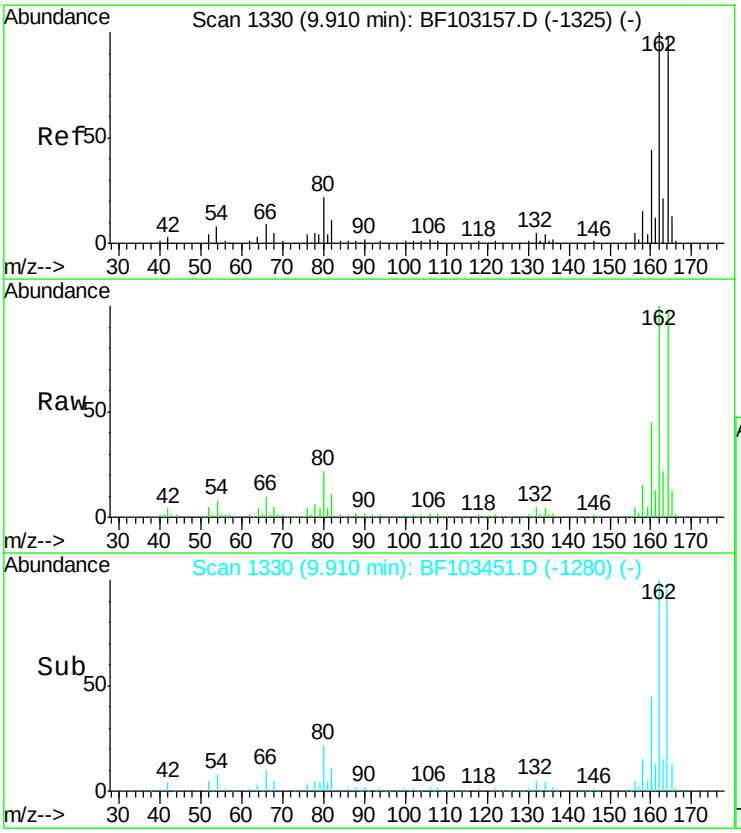

#25
Isophorone
Concen: 26.582 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.25 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion: 82 Resp: 483289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

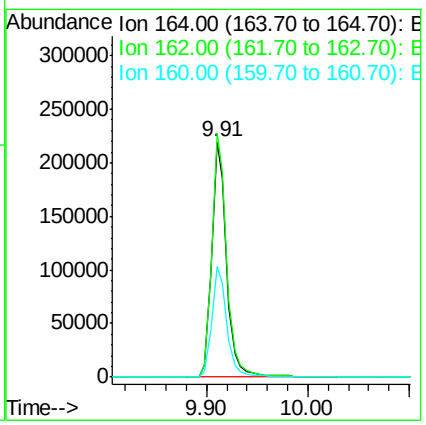


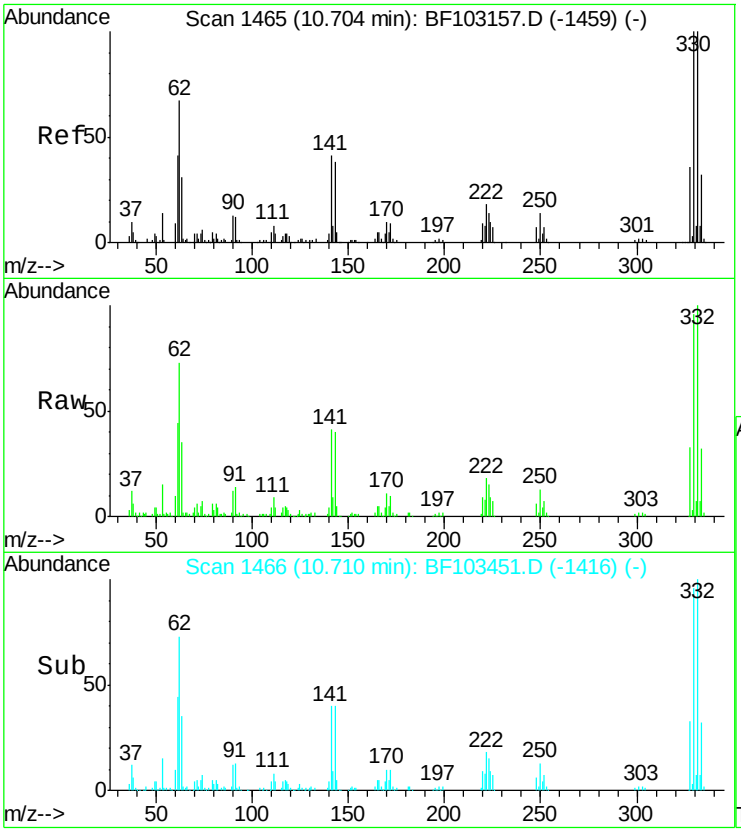




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:164 Resp: 223208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.6 | 86.1 | 129.1 |
| 160 | 47.1 | 38.3 | 57.5 |



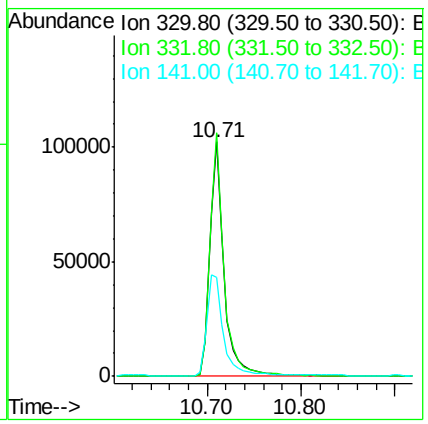


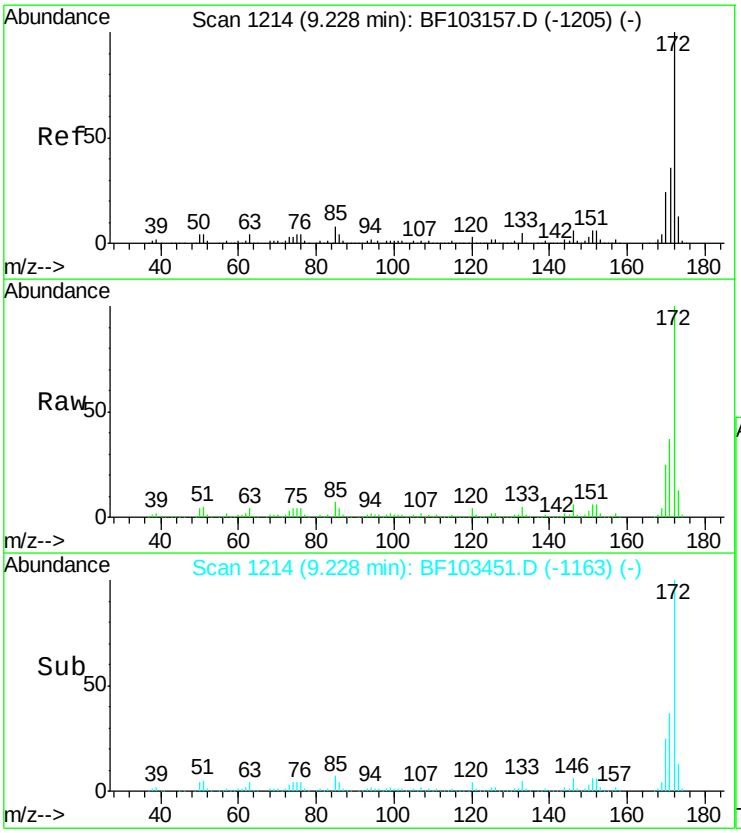

#41
2,4,6-Tribromophenol
Concen: 58.619 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:330 Resp: 110750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 102.1 | 77.0 | 115.6 |
| 141 | 50.8 | 29.9 | 44.9# |

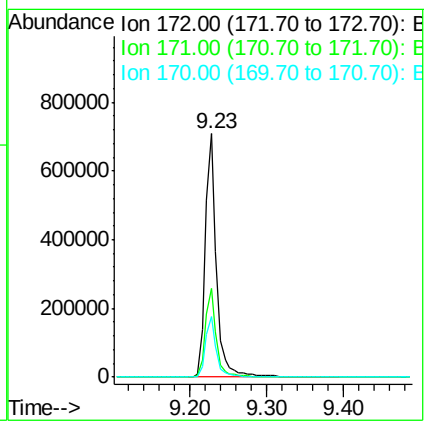


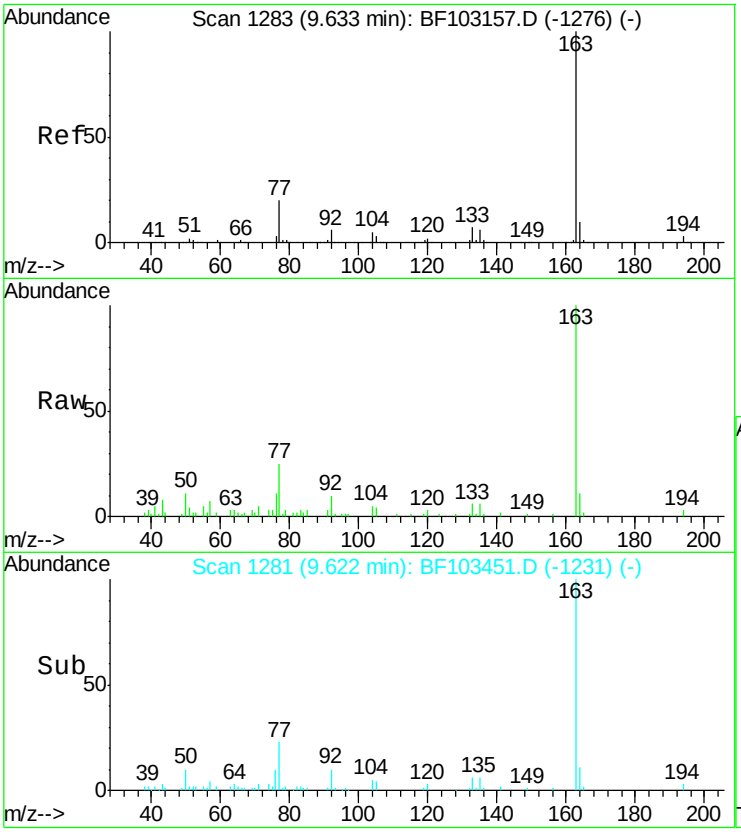




#44
2-Fluorobiphenyl
Concen: 49.836 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:172 Resp: 716231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.7 | 44.5 |
| 170 | 24.7 | 19.6 | 29.4 |



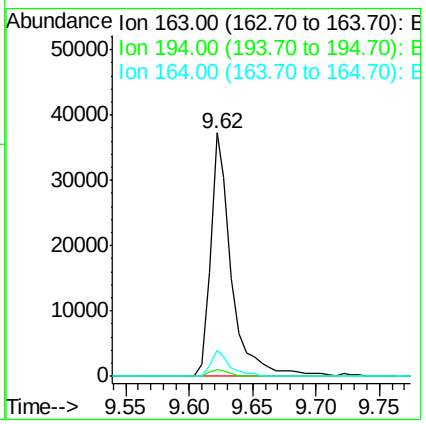


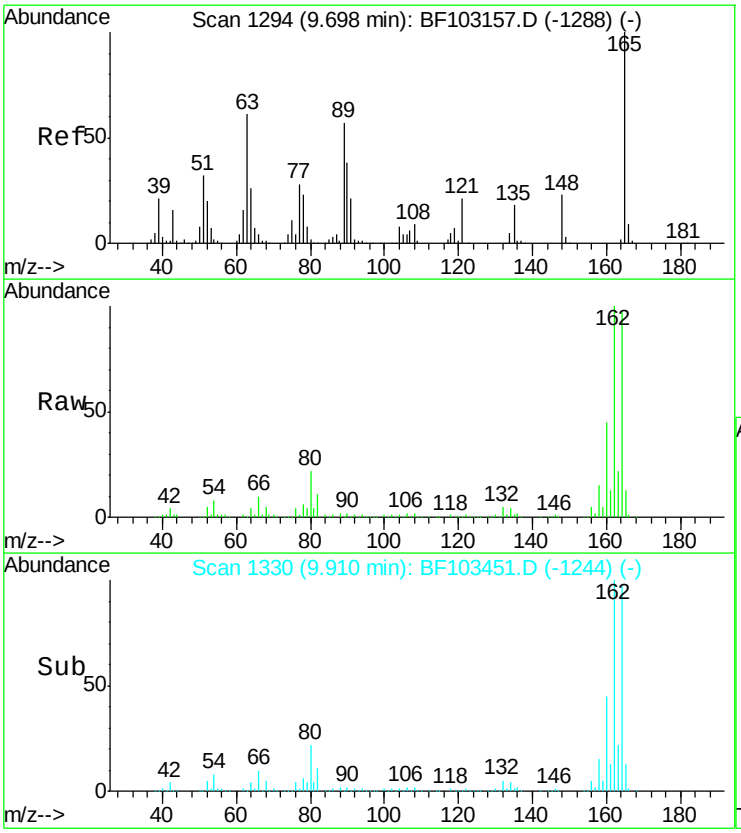

#49
Dimethylphthalate
Concen: 2.405 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:163 Resp: 43058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.0 | 2.7 | 4.1 |
| 164 | 10.7 | 8.2 | 12.2 |

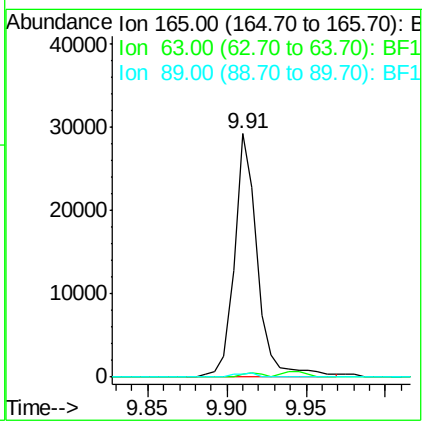


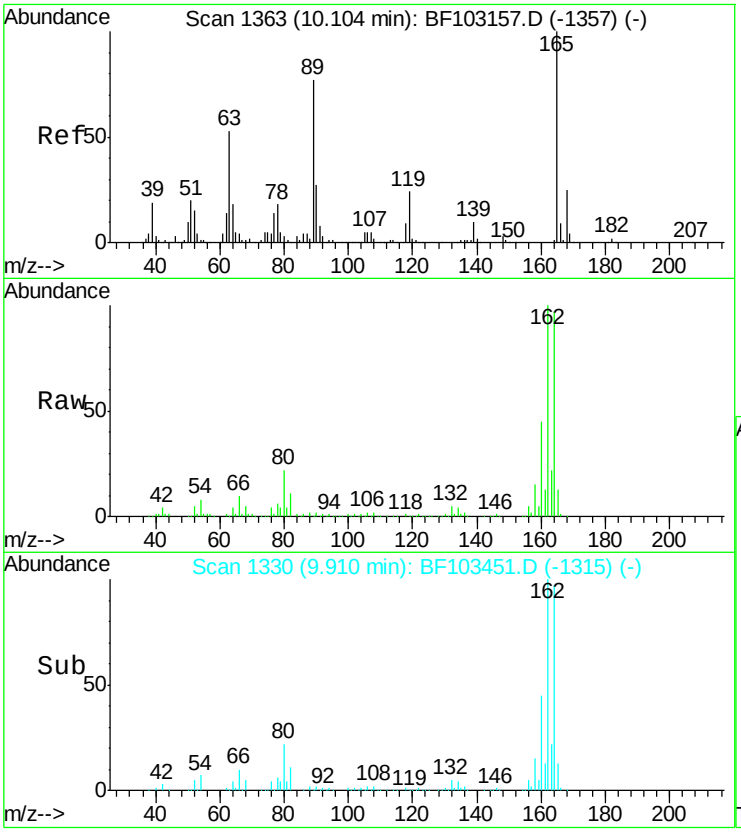




#50
2,6-Dinitrotoluene
Concen: 7.863 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:165 Resp: 29548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 44.7 | 67.1# |
| 89 | 1.5 | 44.0 | 66.0# |



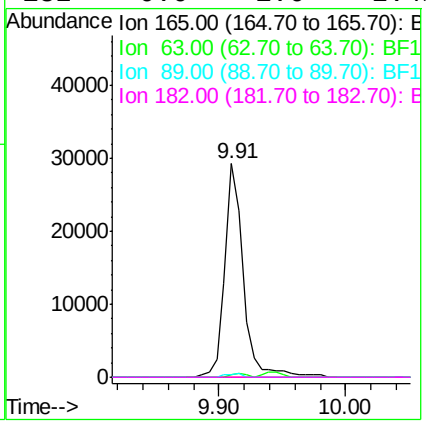


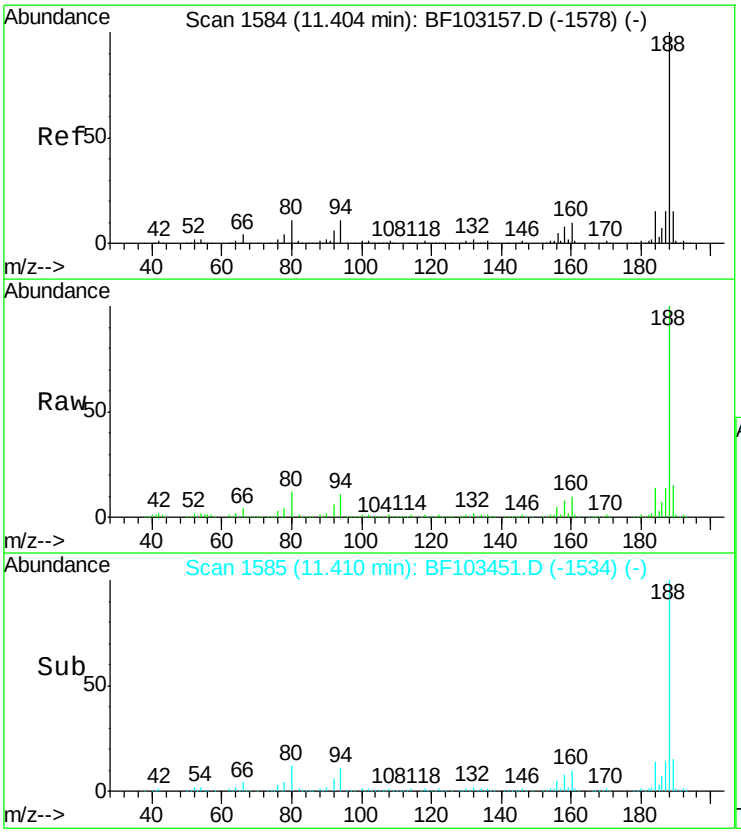

#56
2,4-Dinitrotoluene
Concen: 6.272 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:165 Resp: 29807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 36.4 | 54.6# |
| 89 | 1.5 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

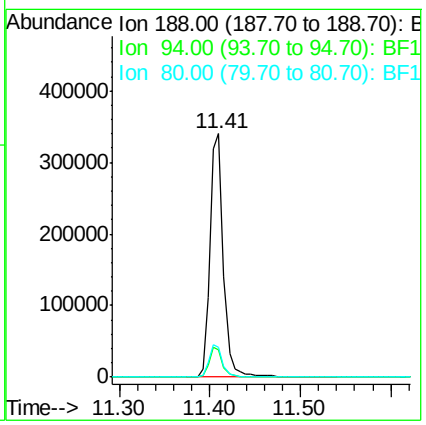


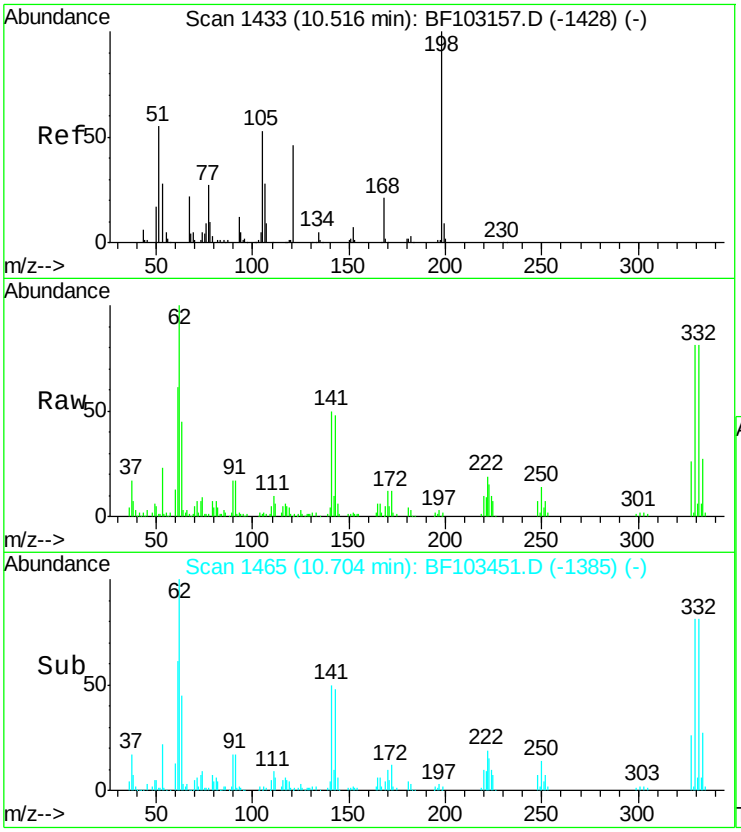




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:188 Resp: 352437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.3 | 8.5 | 12.7 |
| 80 | 12.2 | 9.2 | 13.8 |



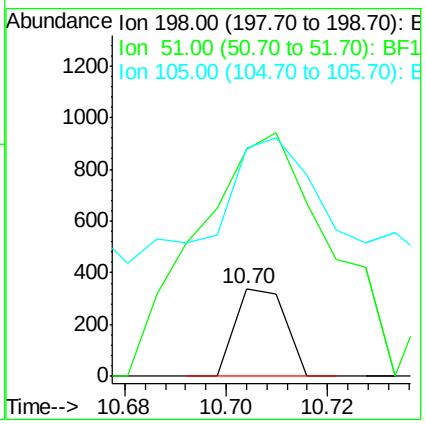


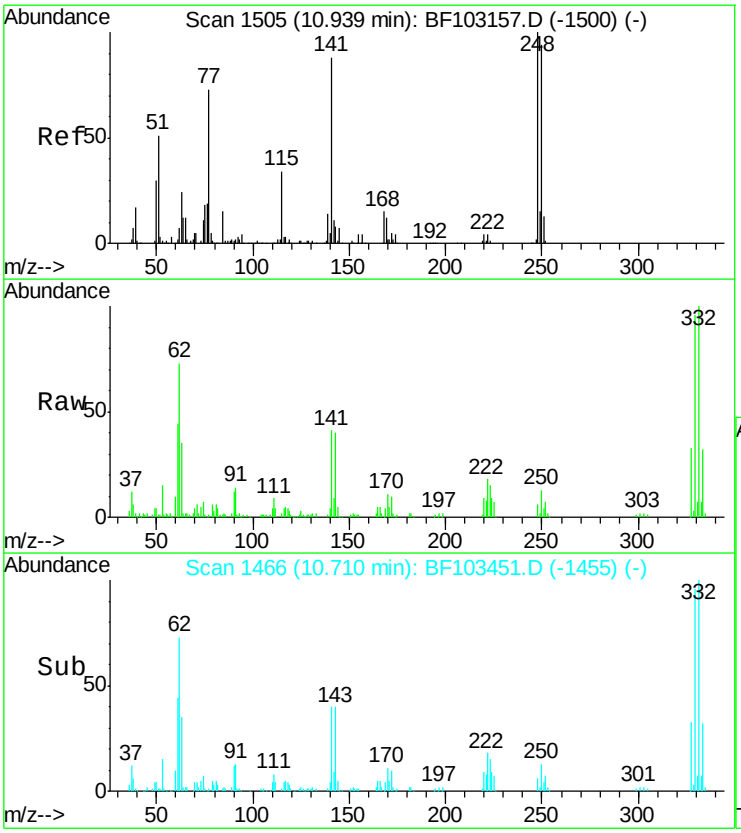

#64
4,6-Dinitro-2-methylphenol
Concen: 5.042 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.17 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:198 Resp: 232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 259.8 | 37.7 | 77.7# |
| 105 | 260.4 | 36.3 | 76.3# |

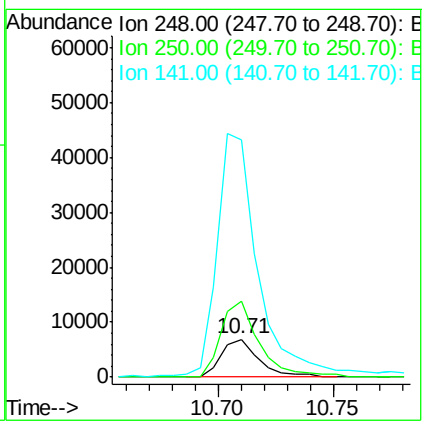


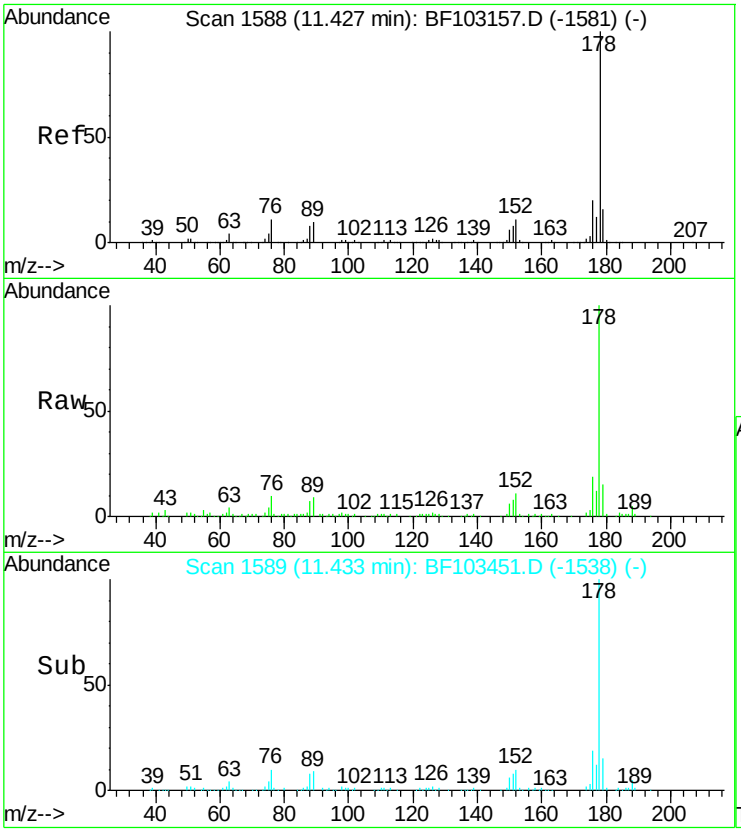




#66
4-Bromophenyl-phenylether
Concen: 2.116 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:248 Resp: 7768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 202.4 | 76.9 | 115.3# |
| 141 | 628.7 | 74.4 | 111.6# |



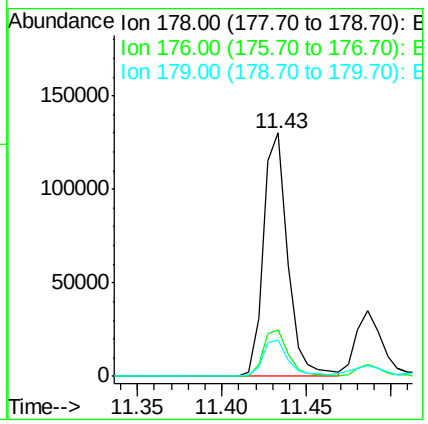


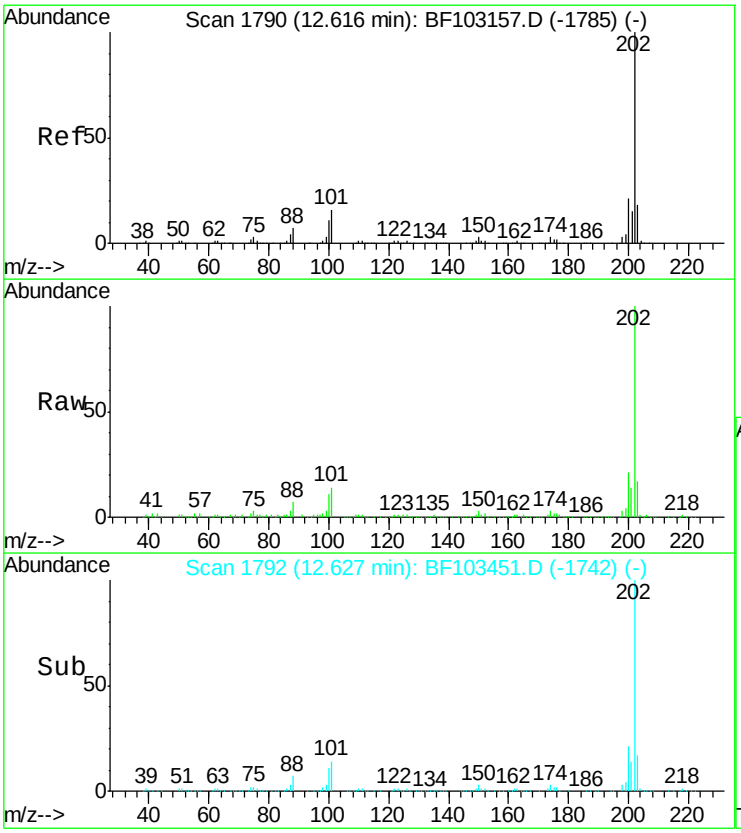

#70
Phenanthrene
Concen: 6.718 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:178 Resp: 130299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.8 | 23.8 |
| 179 | 15.1 | 13.0 | 19.6 |

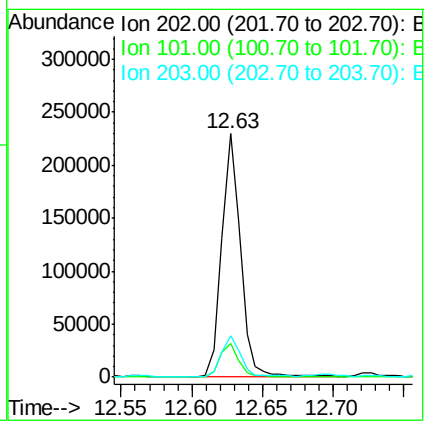


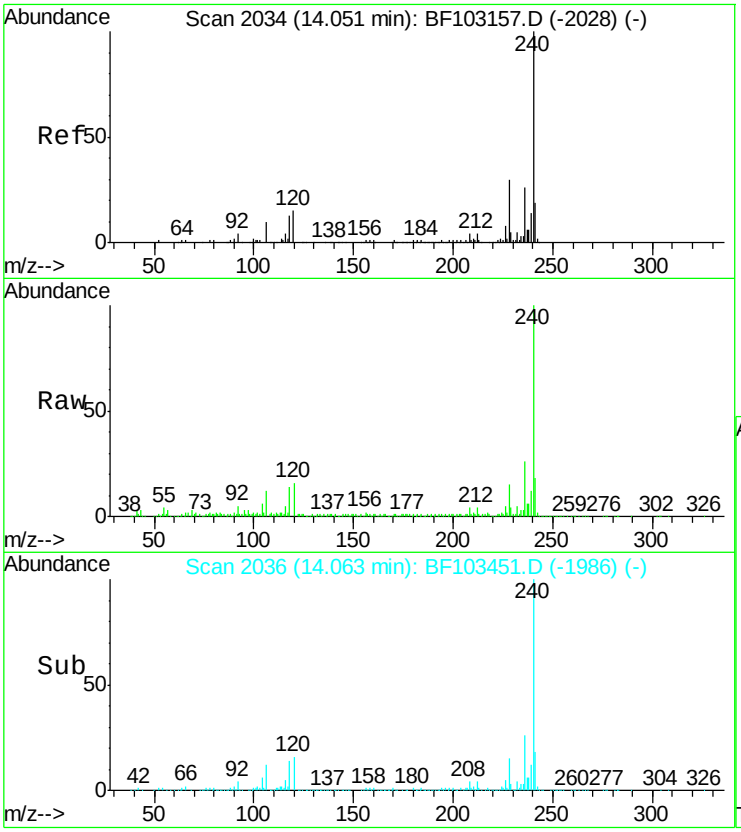




#74
Fluoranthene
Concen: 11.063 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:202 Resp: 215632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.9 | 0.0 | 34.1 |
| 203 | 16.8 | 0.0 | 38.1 |



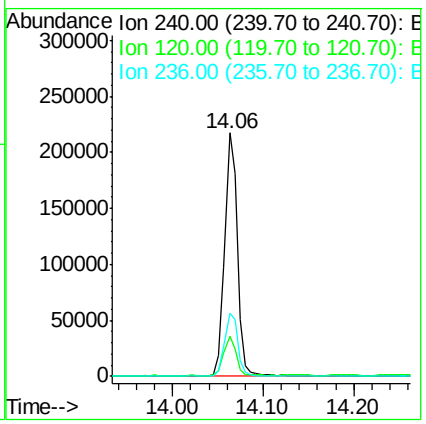


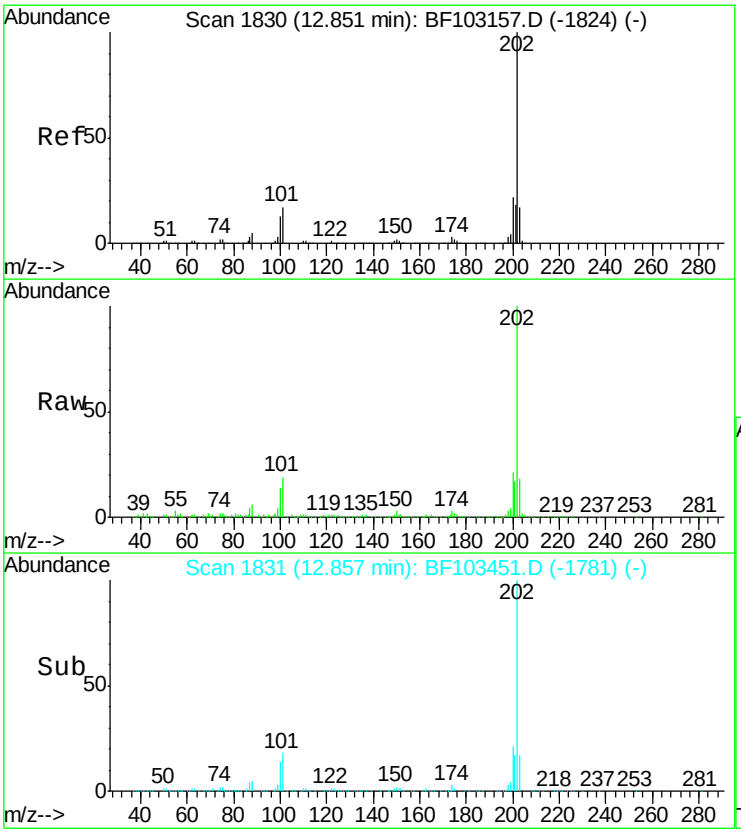

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:240 Resp: 210024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 16.5 | 9.5 | 14.3# |
| 236 | 25.9 | 20.7 | 31.1 |

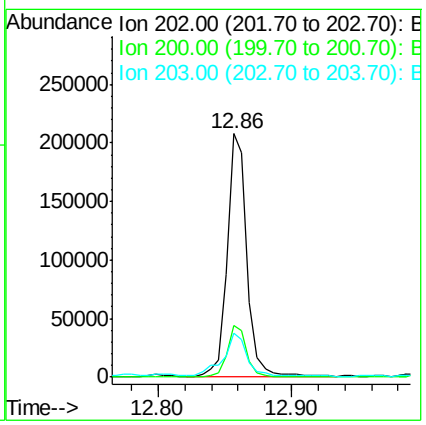


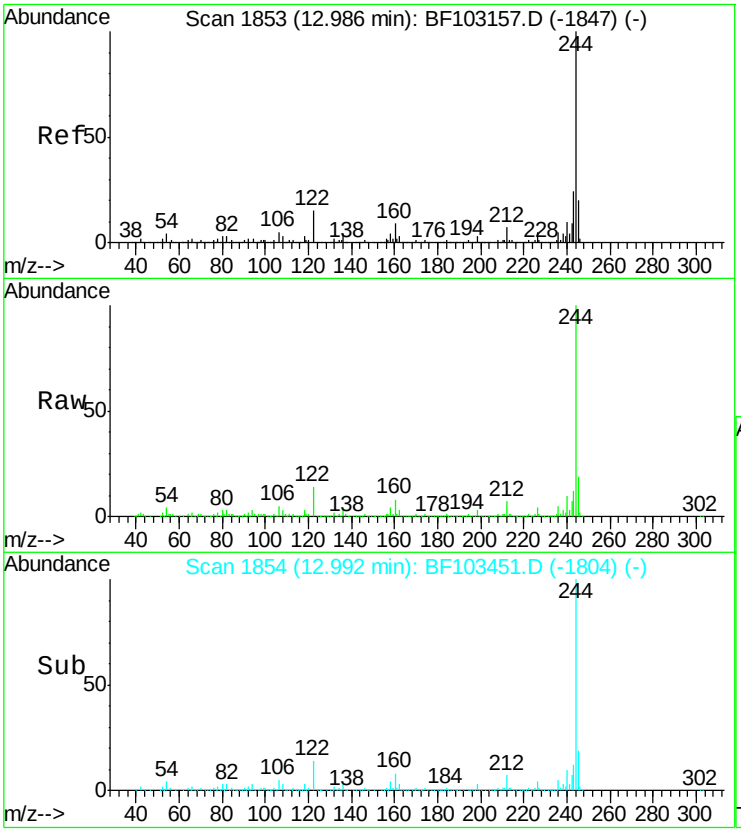




#77
Pyrene
Concen: 13.055 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:202 Resp: 213769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 17.4 | 26.2 |
| 203 | 18.0 | 14.3 | 21.5 |



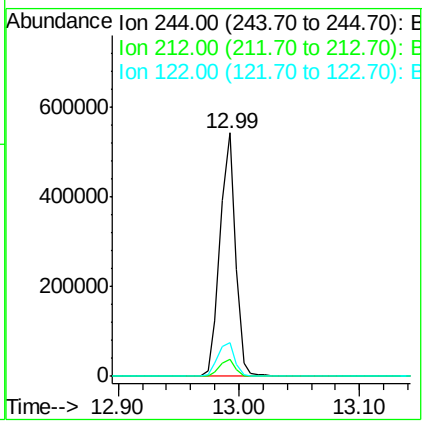


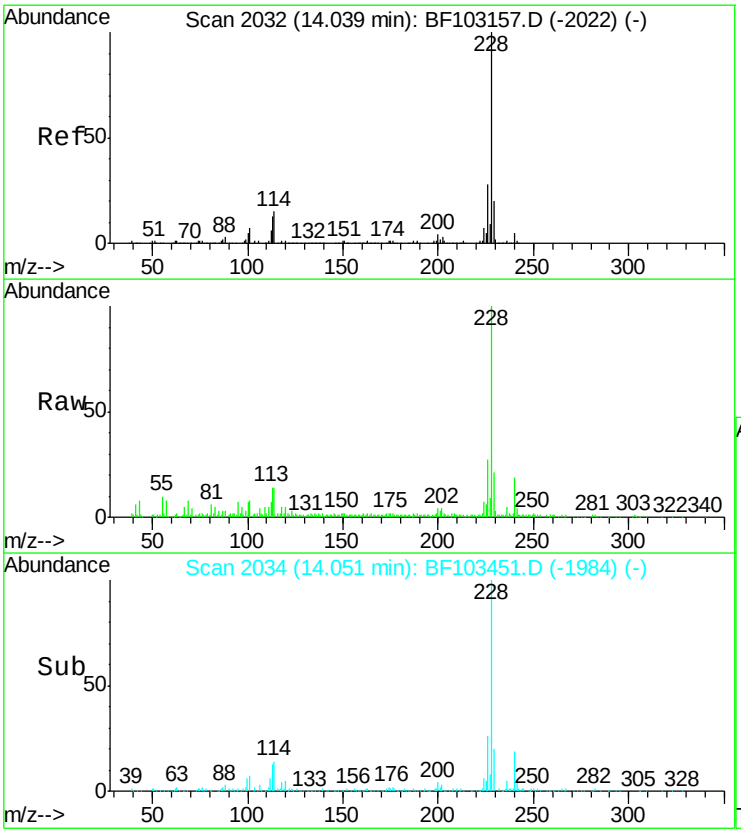

#78
Terphenyl-d14
Concen: 54.940 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:244 Resp: 480008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 13.7 | 11.0 | 16.4 |

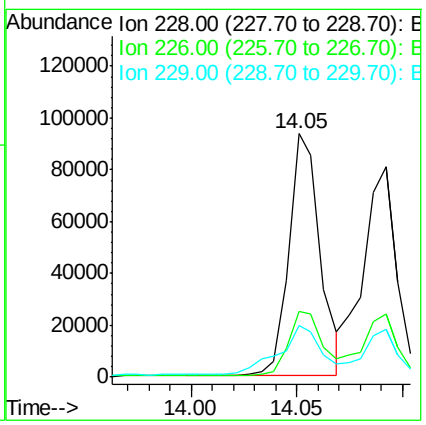


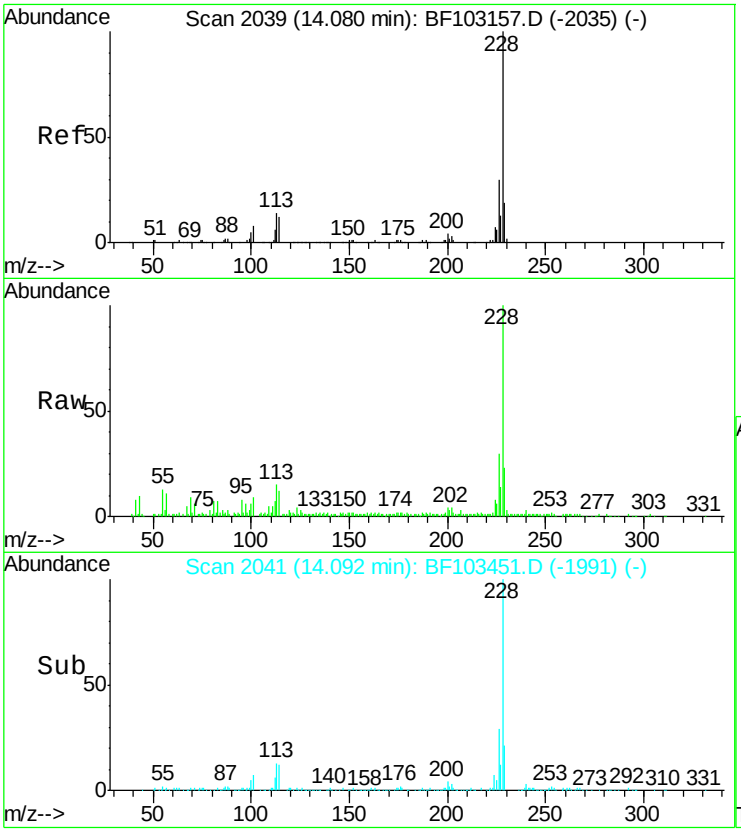




#80
Benzo(a)anthracene
Concen: 7.096 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:228 Resp: 96701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 22.6 | 33.8 |
| 229 | 21.4 | 15.8 | 23.6 |



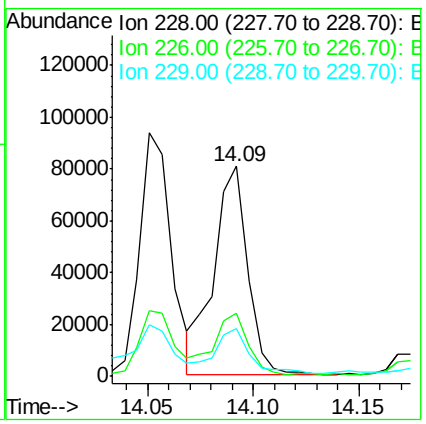


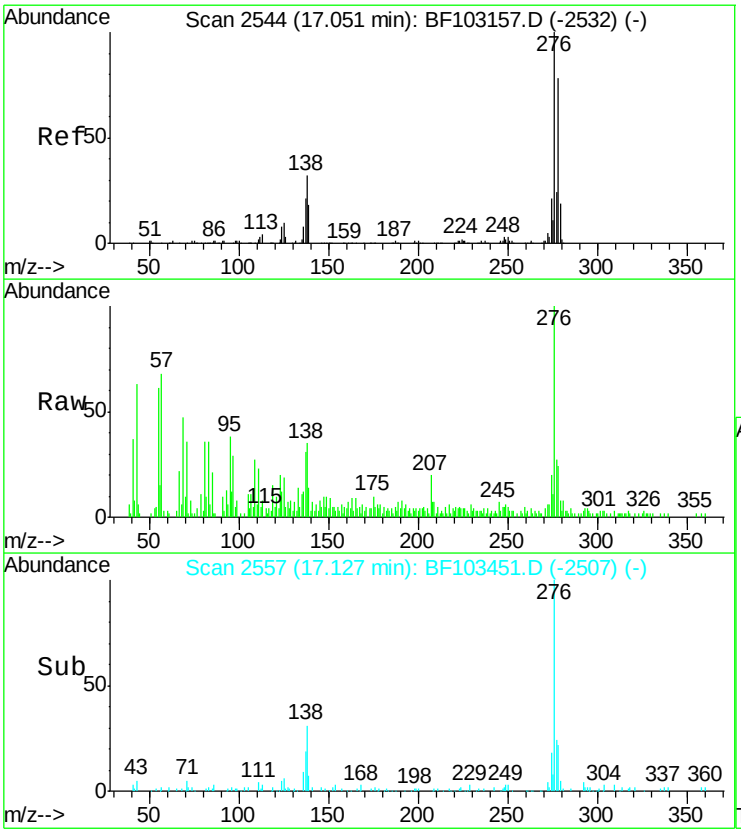

#82
Chrysene
Concen: 6.798 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:228 Resp: 89942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 25.0 | 37.6 |
| 229 | 22.5 | 16.2 | 24.4 |

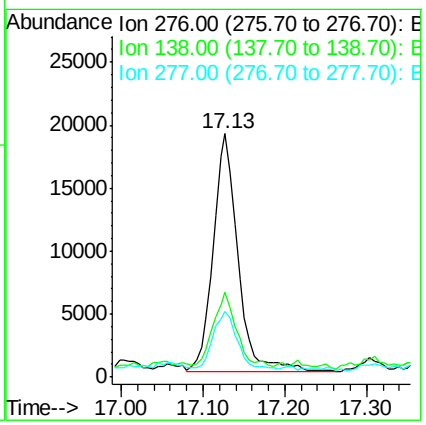


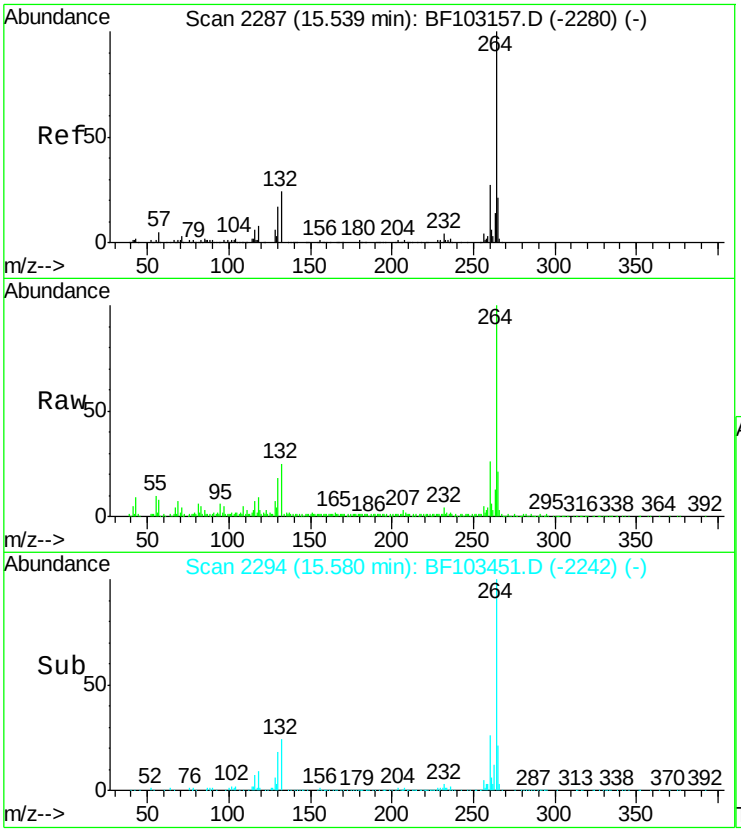




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.802 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:276 Resp: 39831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.0 | 25.0 | 37.6 |
| 277 | 22.4 | 20.1 | 30.1 |



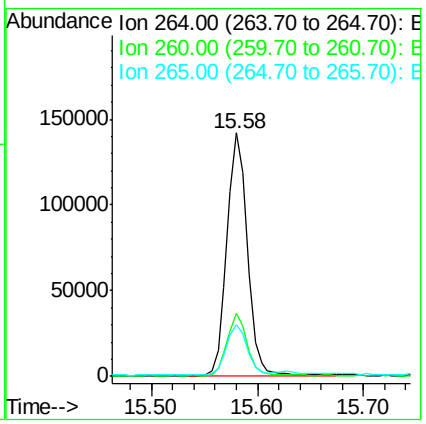


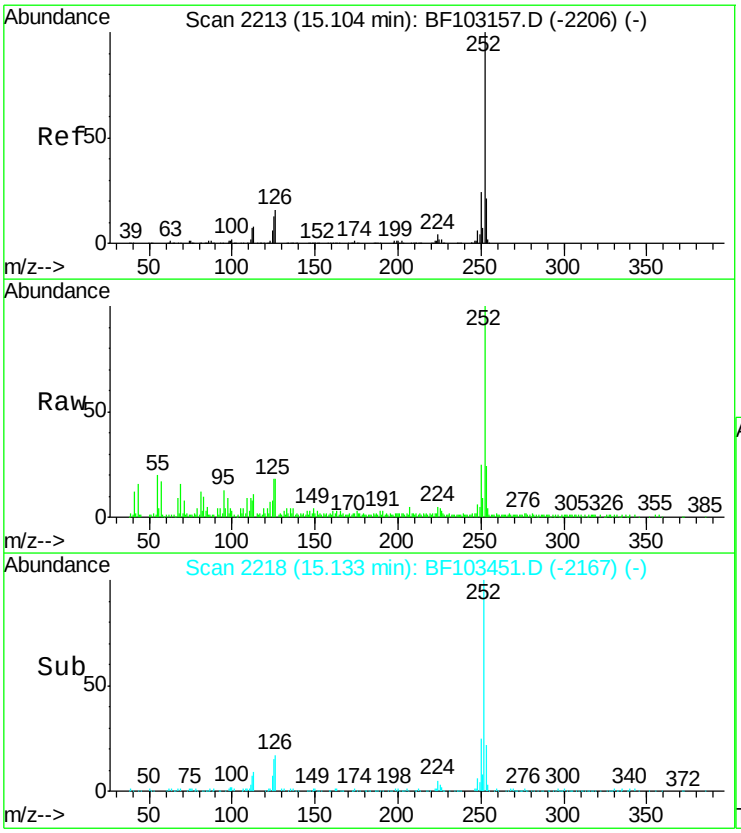

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:264 Resp: 188546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.1 | 19.2 | 28.8 |
| 265 | 21.4 | 17.5 | 26.3 |

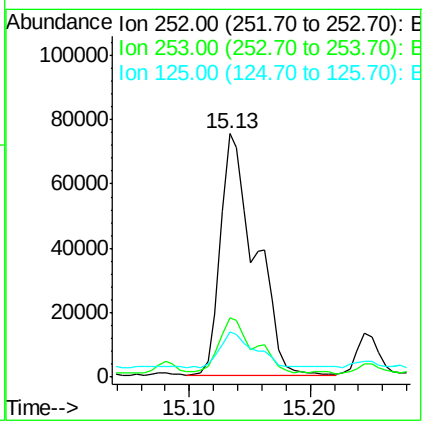


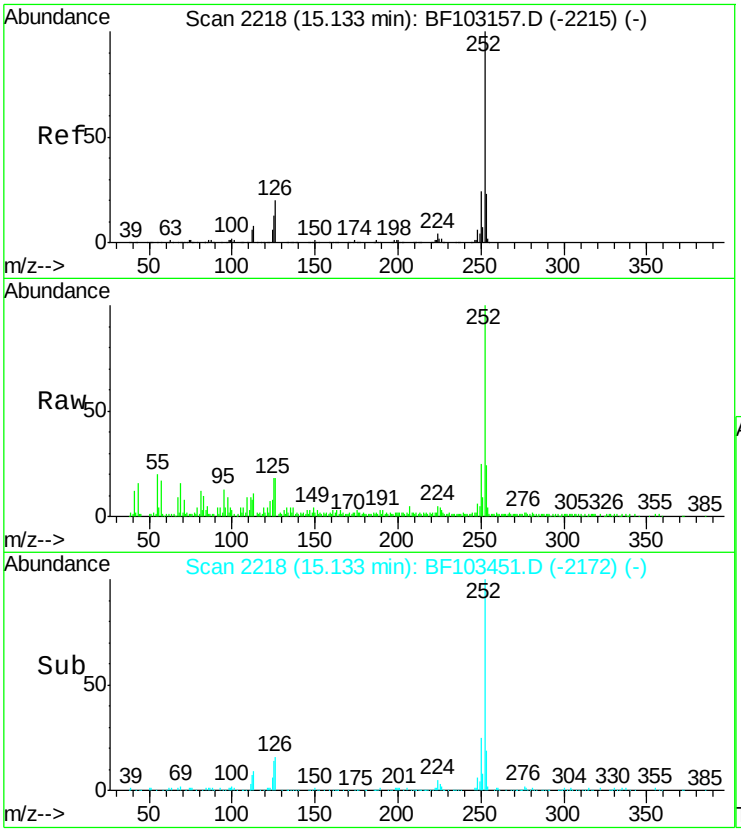




#87
Benzo(b)fluoranthene
Concen: 12.038 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:252 Resp: 149229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 17.0 | 25.6 |
| 125 | 18.4 | 9.0 | 13.6# |



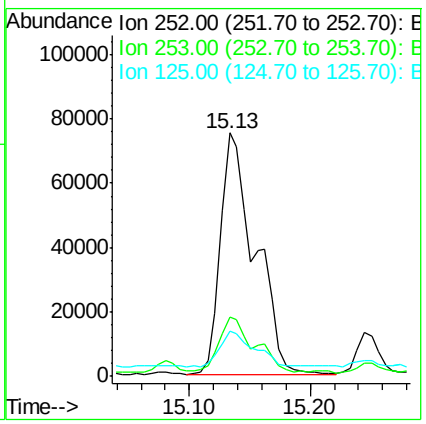


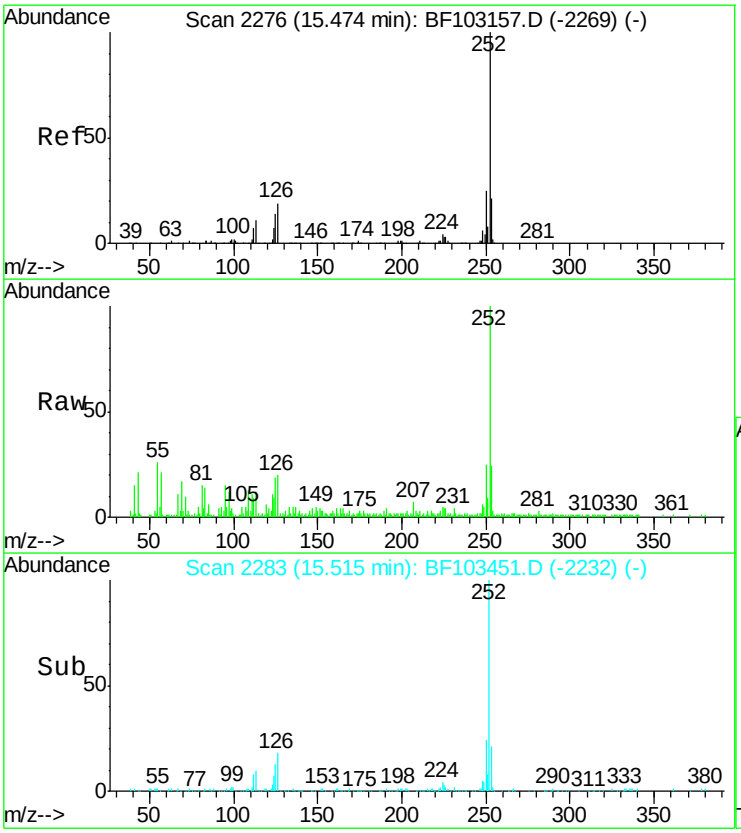

#88
Benzo(k)fluoranthene
Concen: 12.784 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:252 Resp: 149229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 17.9 | 26.9 |
| 125 | 18.4 | 10.2 | 15.2# |

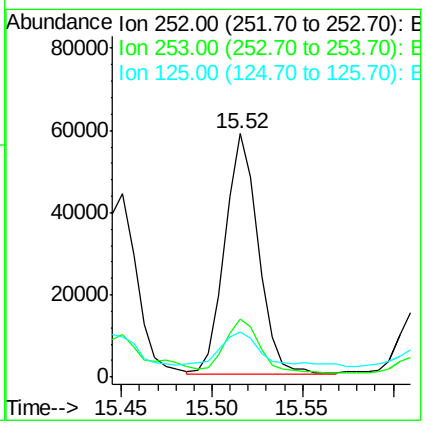


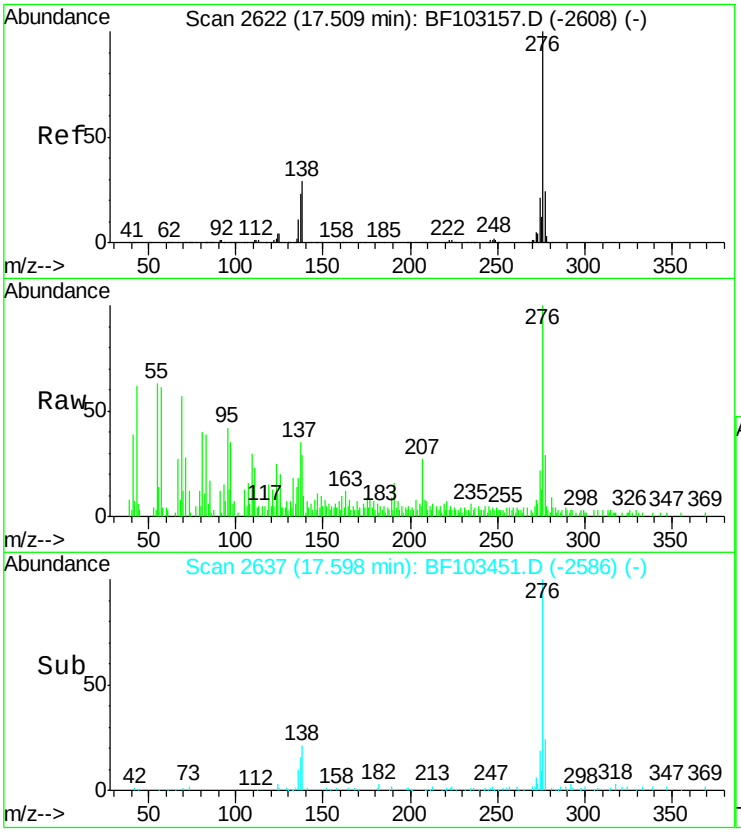




#89
Benzo(a)pyrene
Concen: 6.820 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:252 Resp: 75502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 17.1 | 25.7 |
| 125 | 18.5 | 9.8 | 14.6# |






#91
Benzo(g,h,i)perylene
Concen: 4.359 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

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

Tgt Ion:276 Resp: 36445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 28.8 | 17.9 | 26.9# |
| 138 | 28.6 | 21.8 | 32.8 |