Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
Data File : BF109890.D
Acq On : 15 Oct 2018 20:20
Operator : JU/SJ
Sample : J5193-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 16 01:24:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 15 18:09:48 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 236155 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 827017 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.02 | 164 | 312321 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.50 | 188 | 538977 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.14 | 240 | 575694 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.67 | 264 | 430341 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 1391533 | 93.40 | ng | | 0.00 |
| 7) Phenol-d6 | 6.59 | 99 | 1683685 | 91.01 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1021862 | 83.23 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.80 | 330 | 270973 | 100.21 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.33 | 172 | 1592395 | 81.36 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.09 | 244 | 1486231 | 54.21 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.60 | 94 | 49993 | 2.503 | ng | | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.54 | 70 | 138062 | 11.623 | ng | # | 81 |
| 25) Isophorone | 7.54 | 82 | 1021834 | 42.360 | ng | # | 67 |
| 50) Dimethylphthalate | 9.72 | 163 | 205733 | 9.303 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 10.02 | 165 | 40571 | 11.499 | ng | # | 19 |
| 65) 4,6-Dinitro-2-methylphenol | 10.80 | 198 | 602 | 8.162 | ng | # | 1 |
| 67) 4-Bromophenyl-phenylether | 10.80 | 248 | 16571 | 2.837 | ng | # | 1 |
| 71) Phenanthrene | 11.53 | 178 | 112050 | 4.016 | ng | | 97 |
| 75) Fluoranthene | 12.72 | 202 | 335208 | 12.025 | ng | | 100 |
| 78) Pyrene | 12.95 | 202 | 315026 | 7.450 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.14 | 228 | 161442 | 4.761 | ng | | 96 |
| 83) Chrysene | 14.17 | 228 | 170166 | 5.272 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 17.22 | 276 | 65070 | 2.504 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.22 | 252 | 244083 | 9.838 | ng | # | 89 |
| 89) Benzo(k)fluoranthene | 15.22 | 252 | 244083 | 9.981 | ng | # | 88 |
| 90) Benzo(a)pyrene | 15.60 | 252 | 114490 | 5.017 | ng | # | 92 |
| 92) Benzo(g,h,i)perylene | 17.70 | 276 | 67970 | 3.327 | ng | # | 90 |

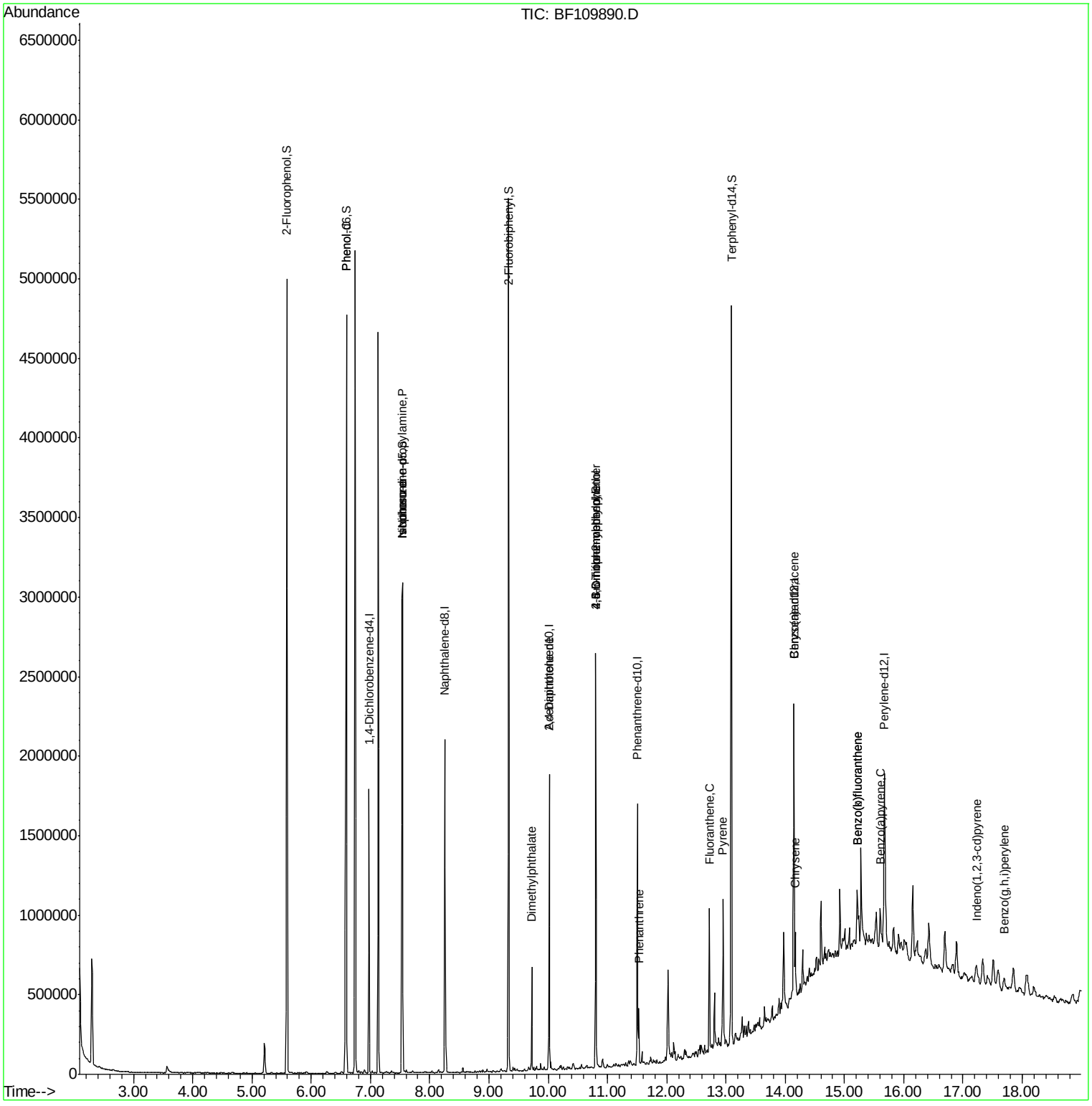
(#) = qualifier out of range (m) = manual integration (+) = signals summed

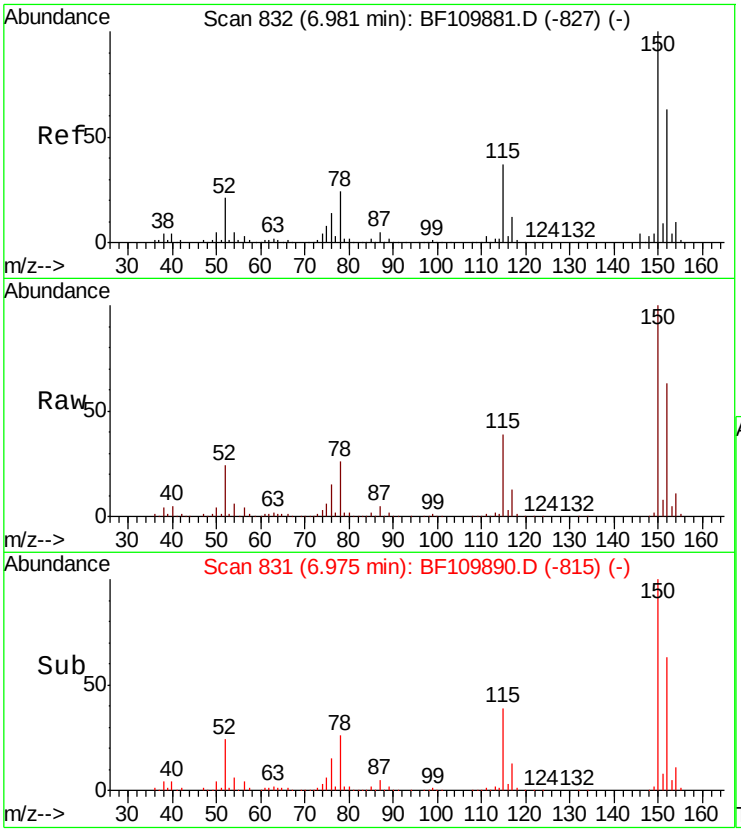
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
Data File : BF109890.D
Acq On : 15 Oct 2018 20:20
Operator : JU/SJ
Sample : J5193-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 16 01:24:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 15 18:09:48 2018
Response via : Initial Calibration



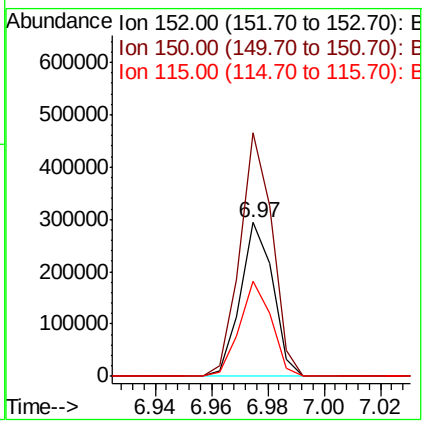


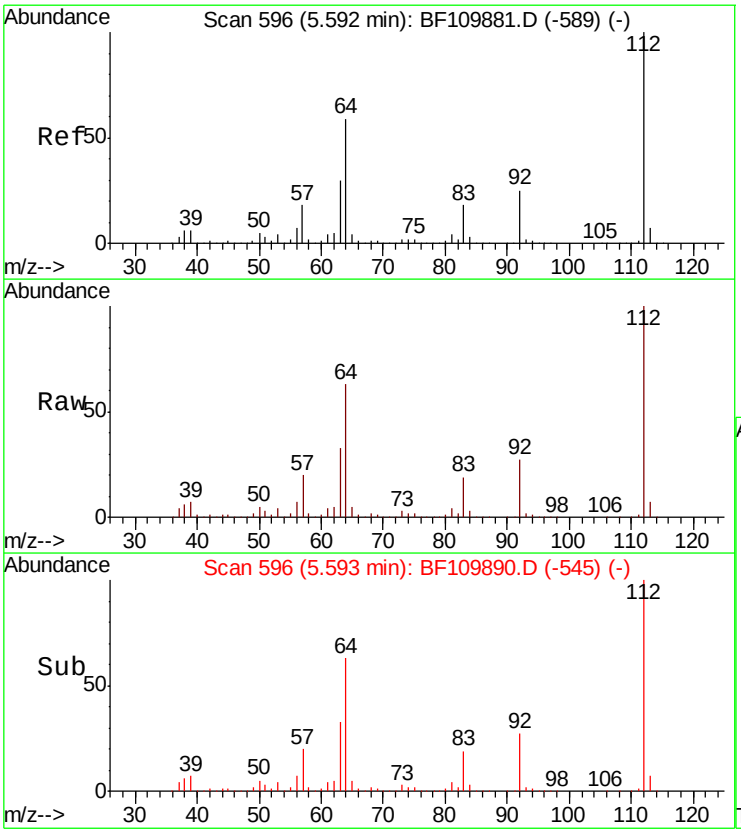

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:152 Resp: 236155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.5 | 122.7 | 184.1 |
| 115 | 61.7 | 49.1 | 73.7 |

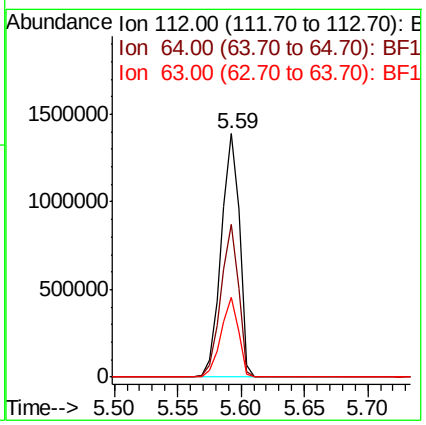


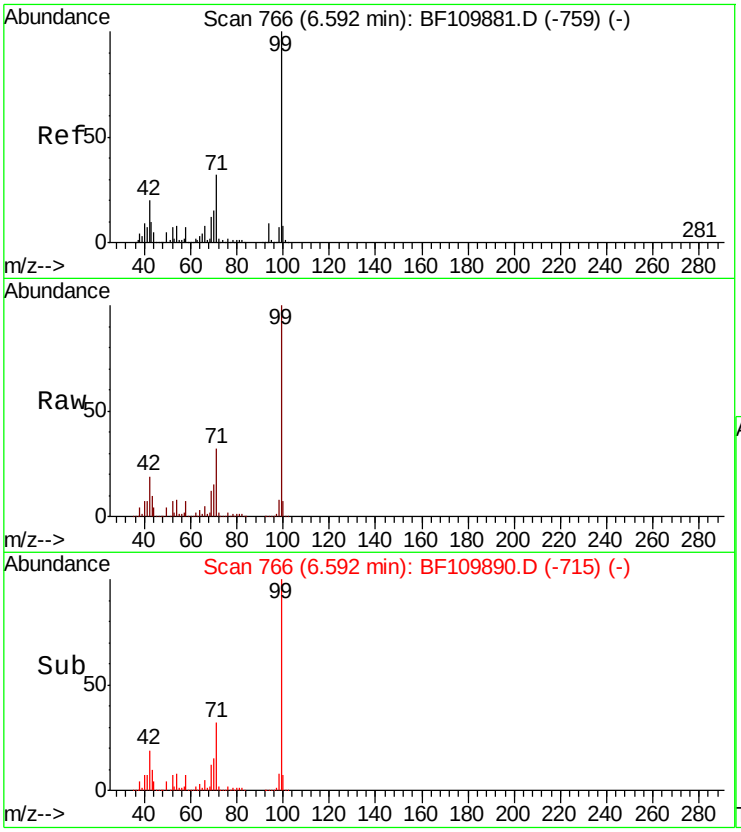




#5
2-Fluorophenol
Concen: 93.403 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:112 Resp: 1391533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.6 | 44.1 | 66.1 |
| 63 | 32.8 | 23.7 | 35.5 |



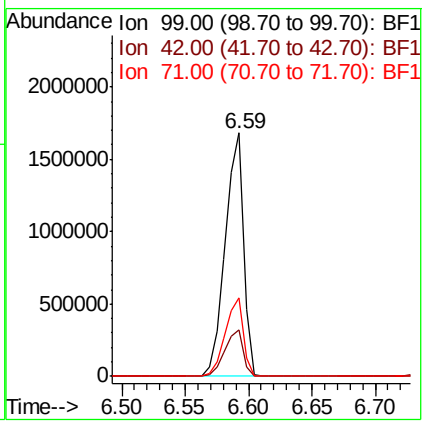


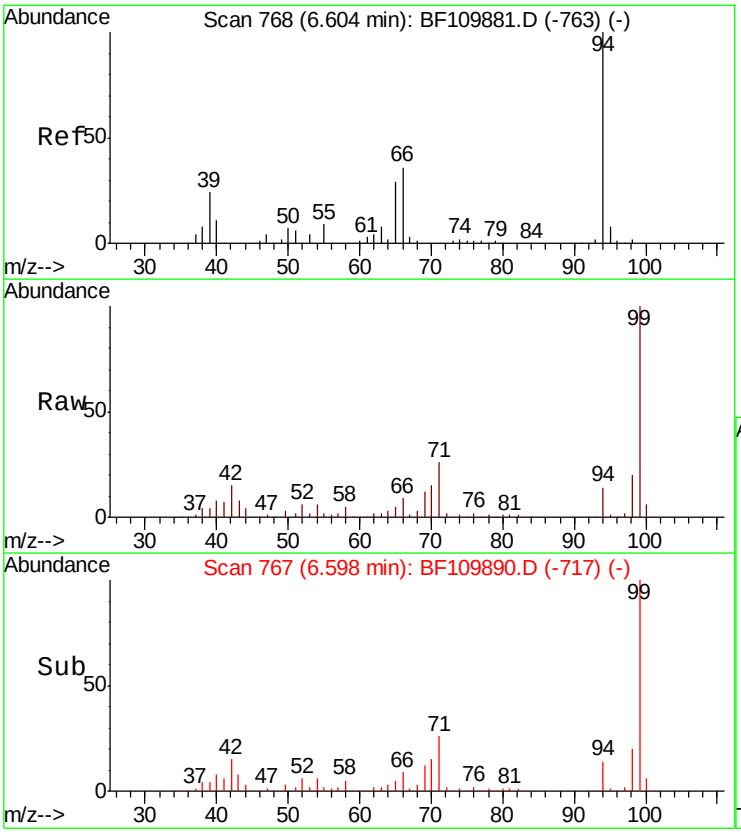

#7
Phenol-d6
Concen: 91.012 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion: 99 Resp: 1683685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.2 | 15.8 | 23.6 |
| 71 | 32.4 | 28.0 | 42.0 |

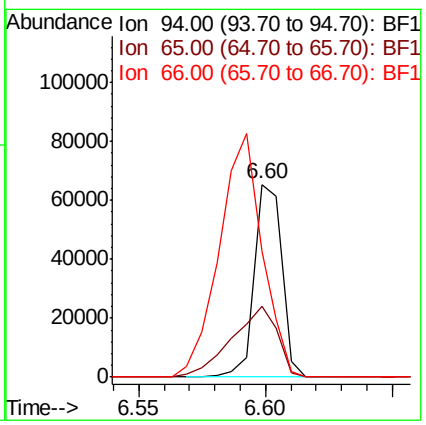


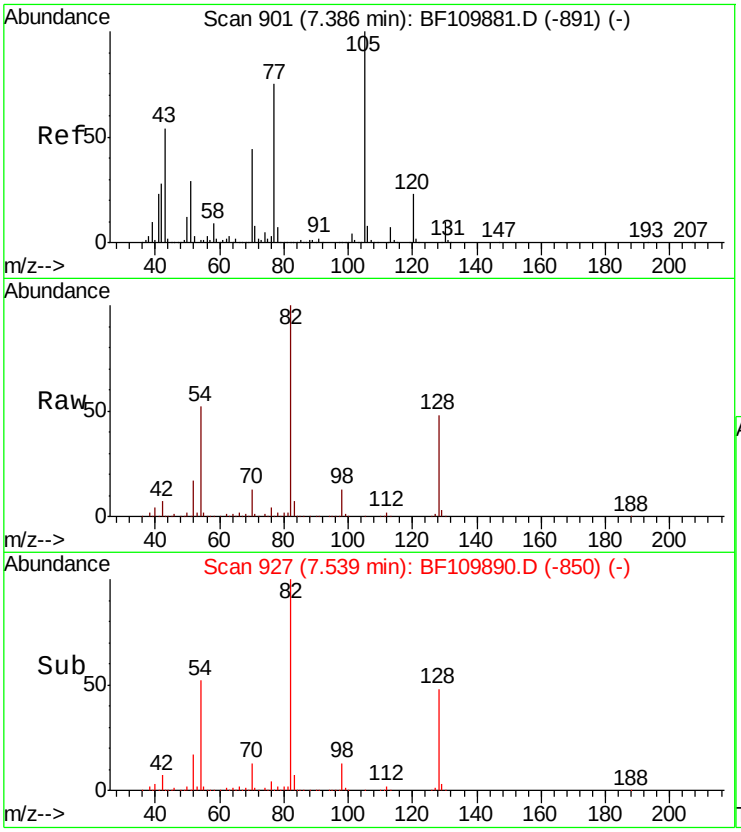




#10
Phenol
Concen: 2.503 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion: 94 Resp: 49993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 37.0 | 25.3 | 65.3 |
| 66 | 65.2 | 54.5 | 94.5 |



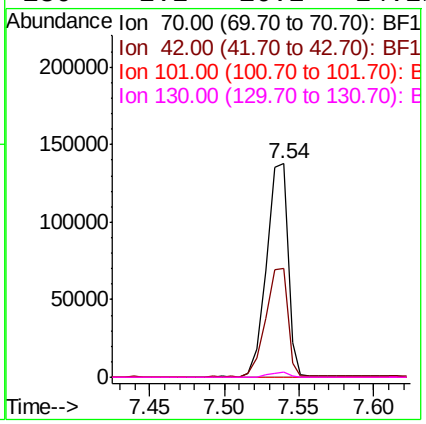


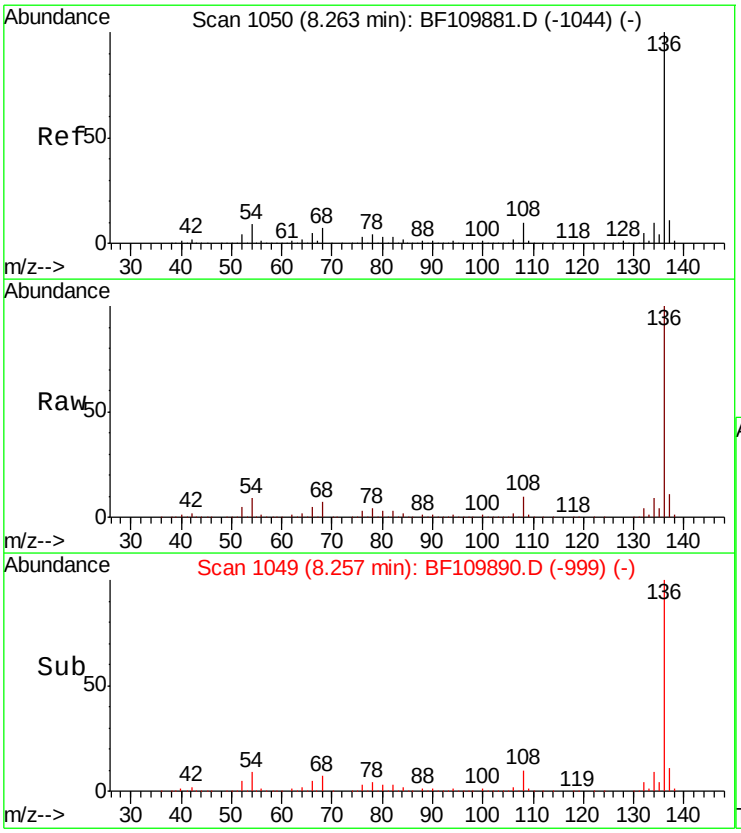

#19
n-Nitroso-di-n-propylamine
Concen: 11.623 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion: 70 Resp: 138062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.7 | 47.4 | 71.2 |
| 101 | 0.0 | 7.3 | 10.9# |
| 130 | 2.2 | 16.2 | 24.2# |

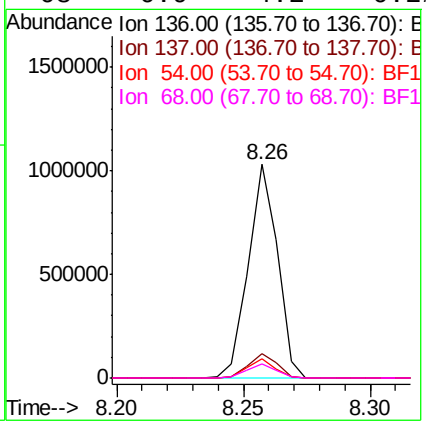


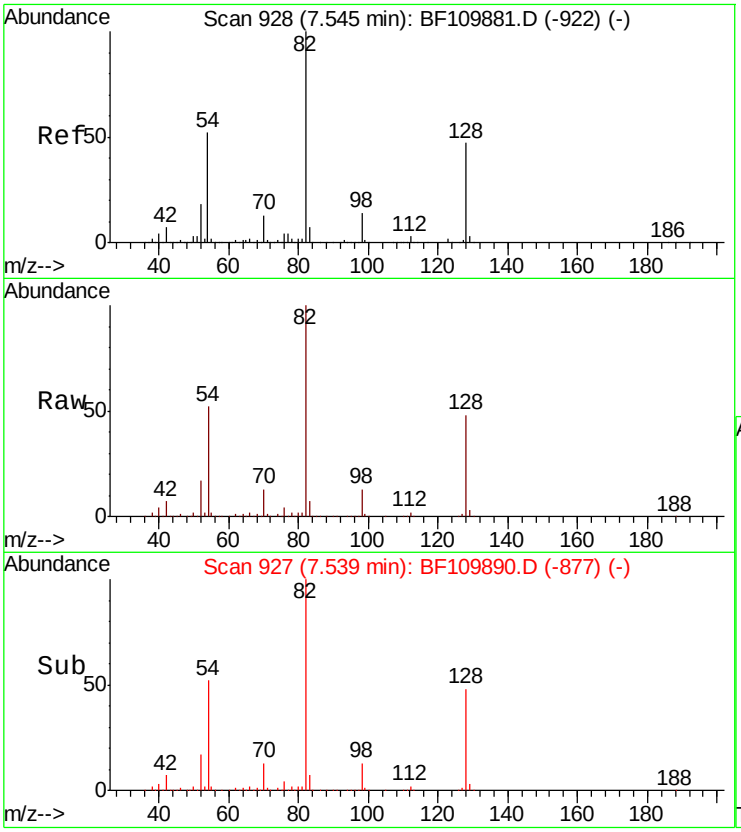




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:136 Resp: 827017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.8 | 13.2 |
| 54 | 9.1 | 5.4 | 8.2# |
| 68 | 6.9 | 4.2 | 6.2# |



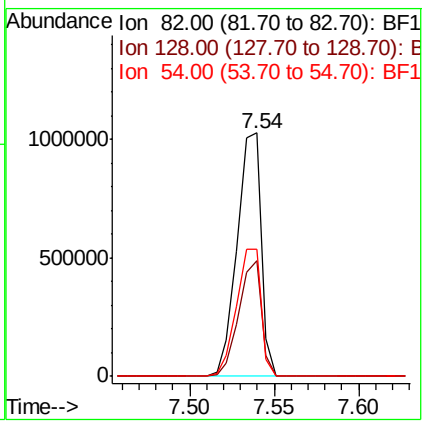


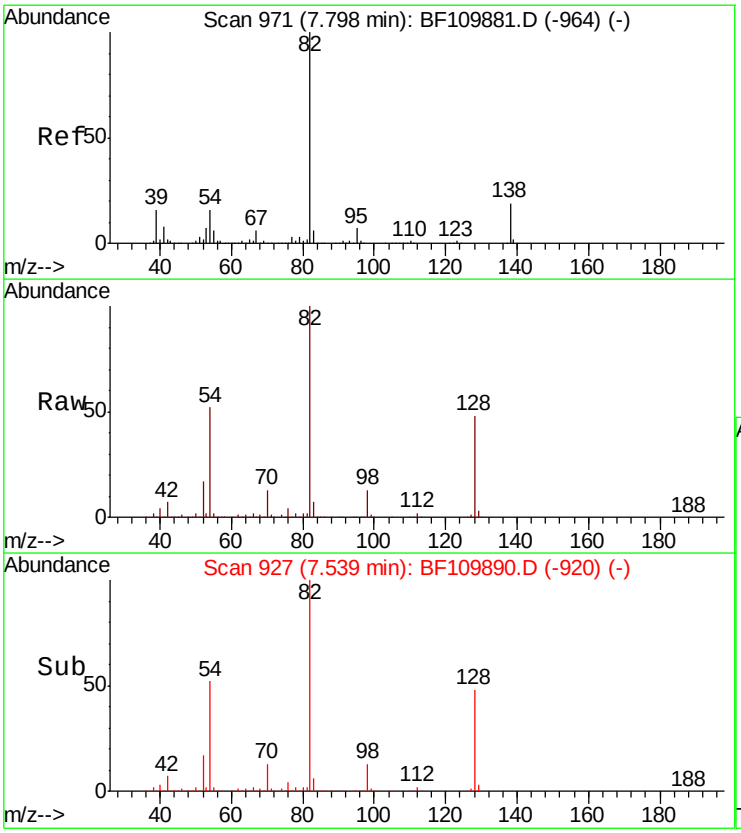

#23
Nitrobenzene-d5
Concen: 83.235 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion: 82 Resp: 1021862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.6 | 34.2 | 51.2 |
| 54 | 52.0 | 38.6 | 58.0 |

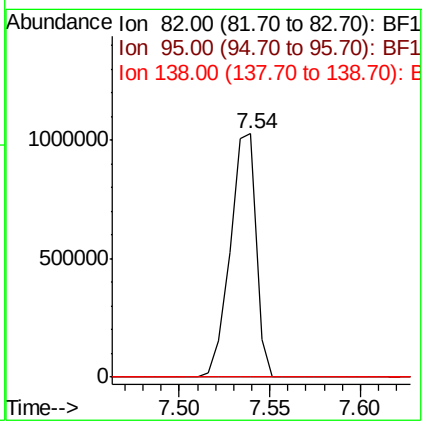


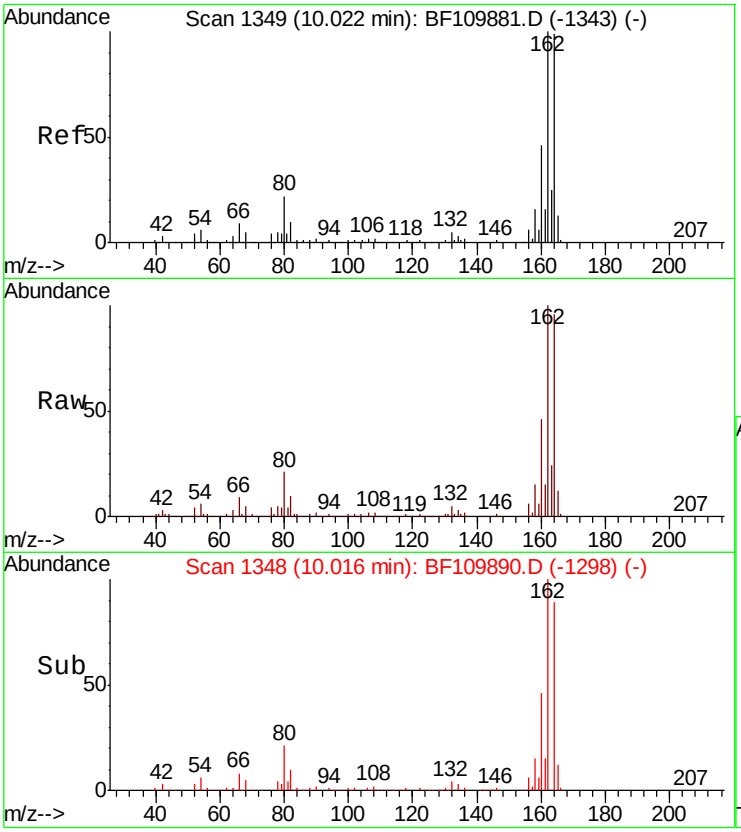




#25
Isophorone
Concen: 42.360 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.26 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion: 82 Resp: 1021834

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



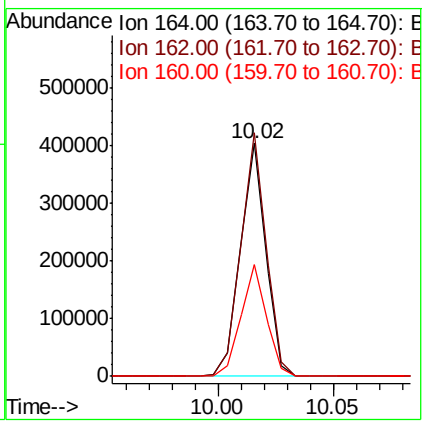


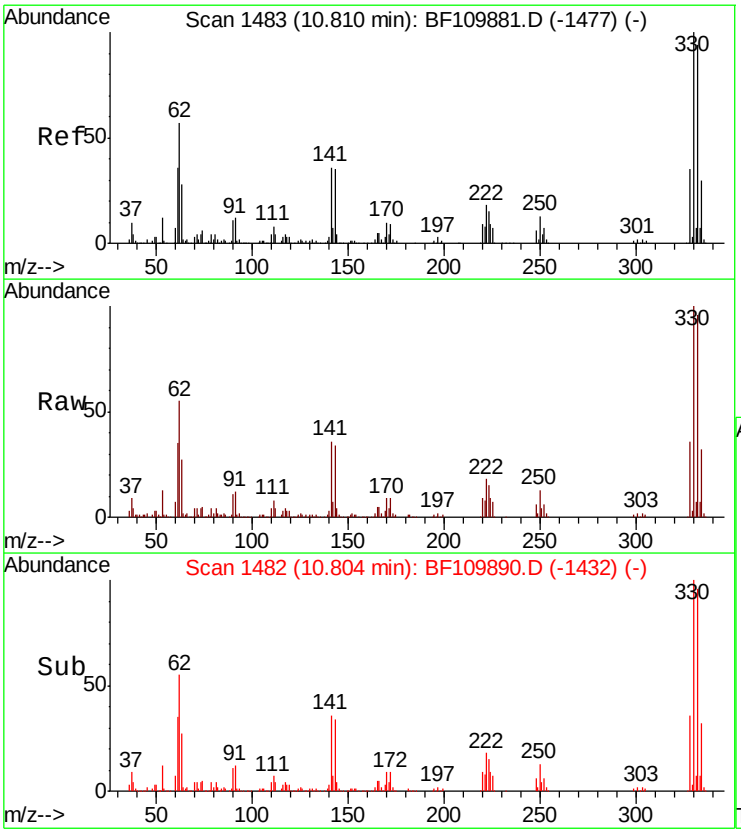

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:164 Resp: 312321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 83.0 | 124.6 |
| 160 | 47.8 | 37.0 | 55.6 |

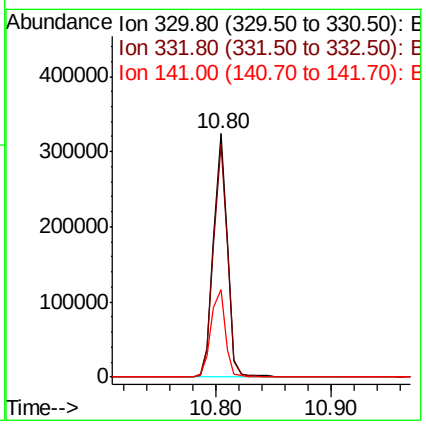


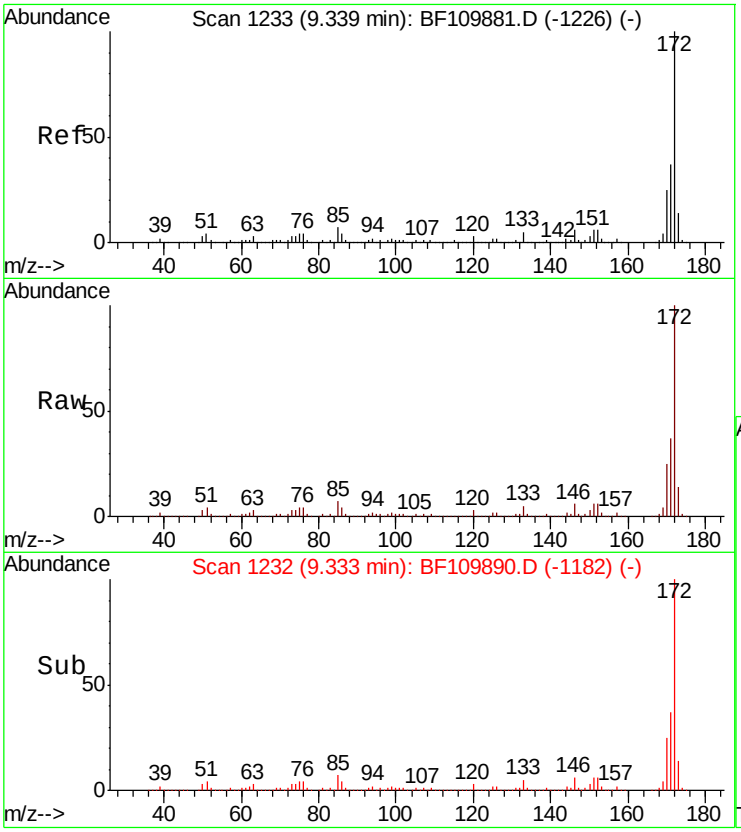




#42
2,4,6-Tribromophenol
Concen: 100.212 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:330 Resp: 270973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.7 | 77.1 | 115.7 |
| 141 | 37.8 | 27.0 | 40.4 |



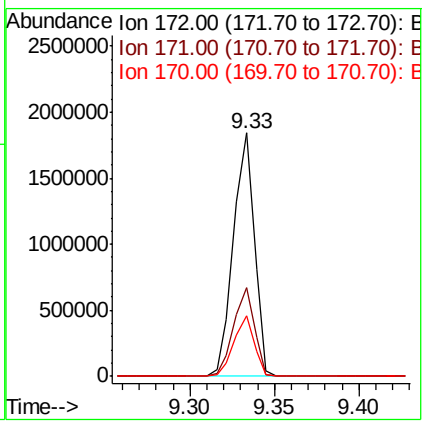


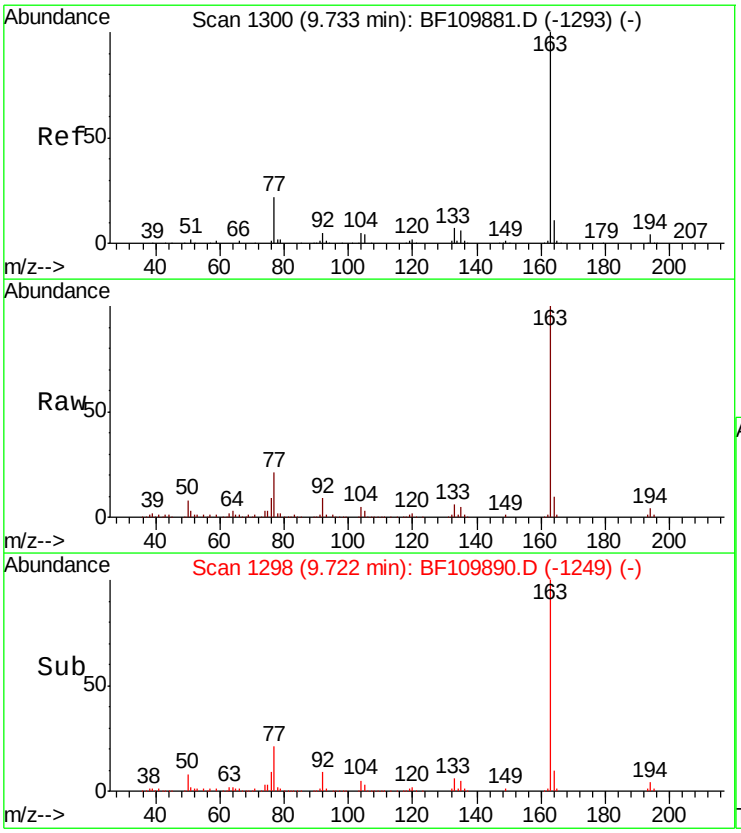

#45
2-Fluorobiphenyl
Concen: 81.356 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:172 Resp: 1592395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 28.6 | 43.0 |
| 170 | 24.8 | 19.7 | 29.5 |

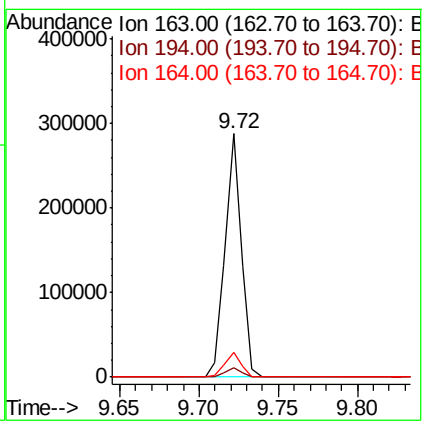


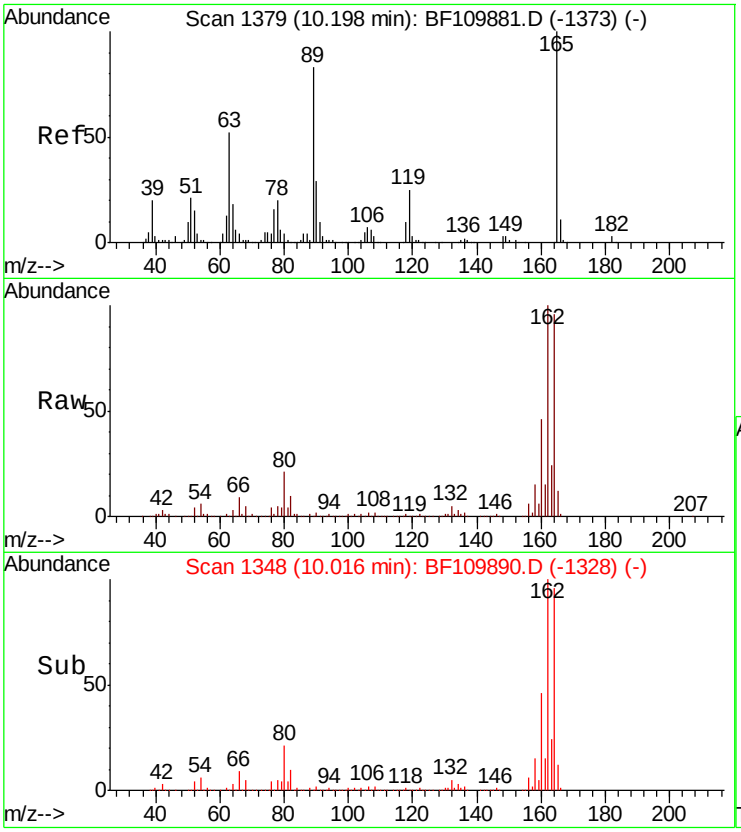




#50
Dimethylphthalate
Concen: 9.303 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:163 Resp: 205733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.2 | 4.8 |
| 164 | 10.1 | 8.1 | 12.1 |



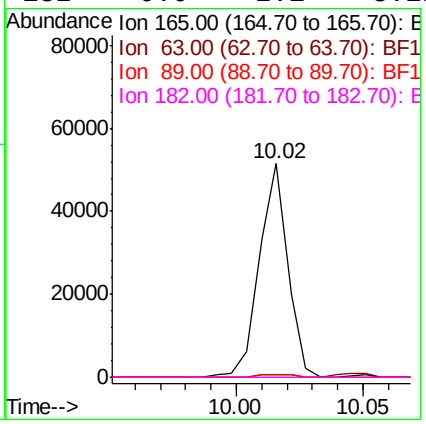


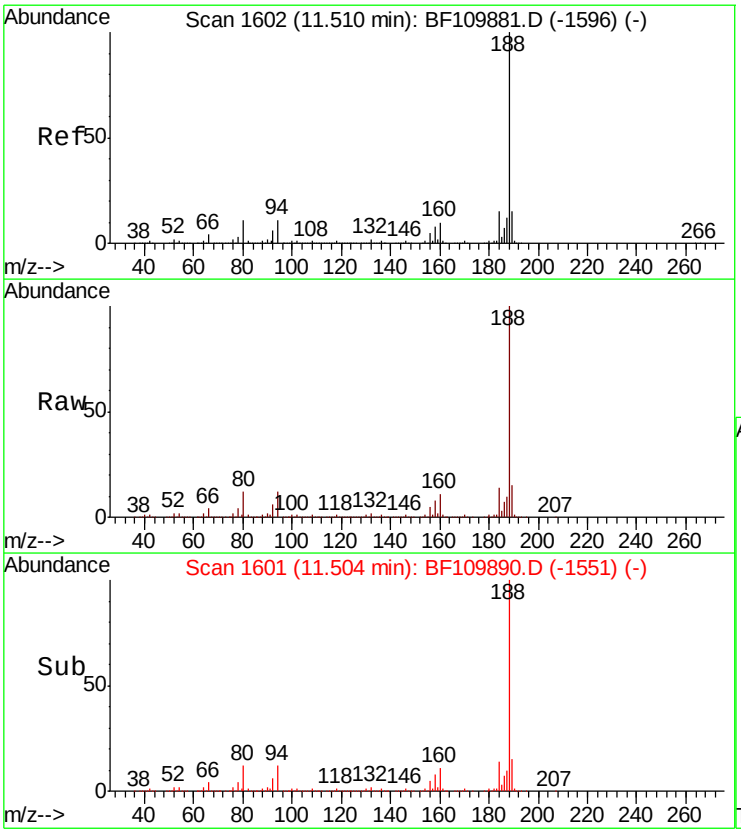

#57
2,4-Dinitrotoluene
Concen: 11.499 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.18 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:165 Resp: 40571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 44.8 | 67.2# |
| 89 | 1.1 | 62.2 | 93.4# |
| 182 | 0.0 | 2.1 | 3.1# |

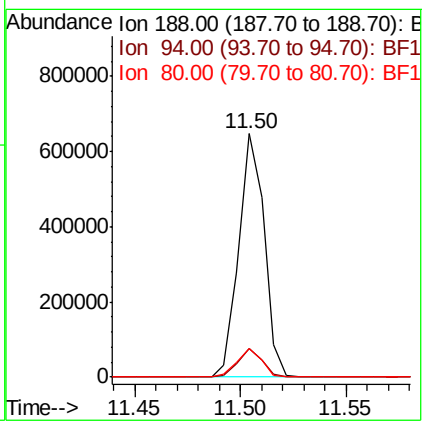


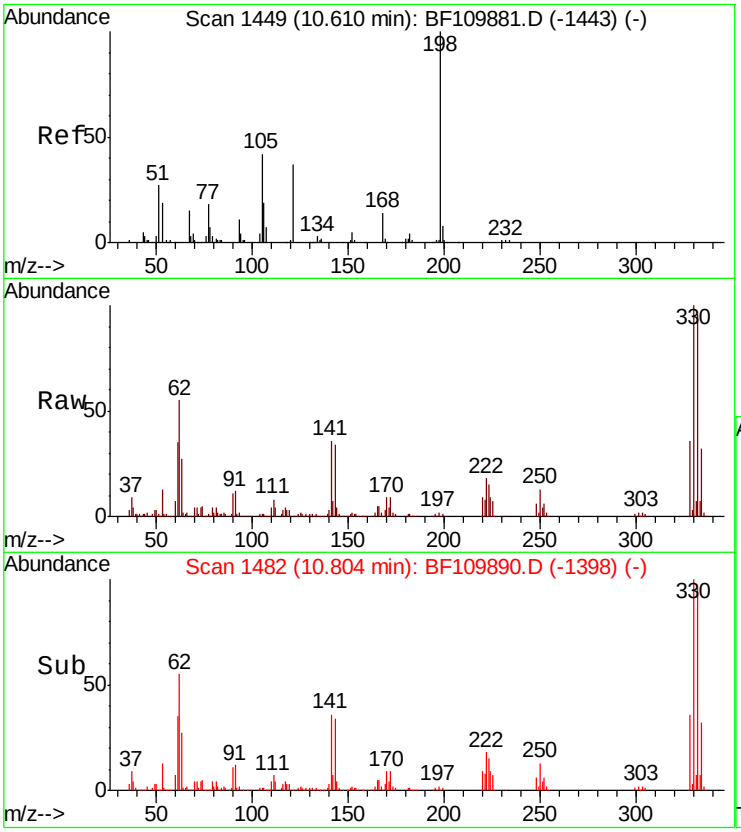




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:188 Resp: 538977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.7 | 7.2 | 10.8# |
| 80 | 12.0 | 7.9 | 11.9# |



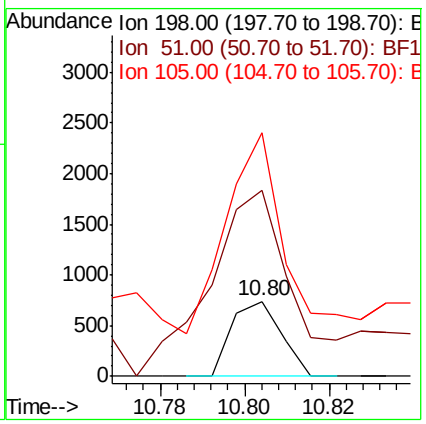


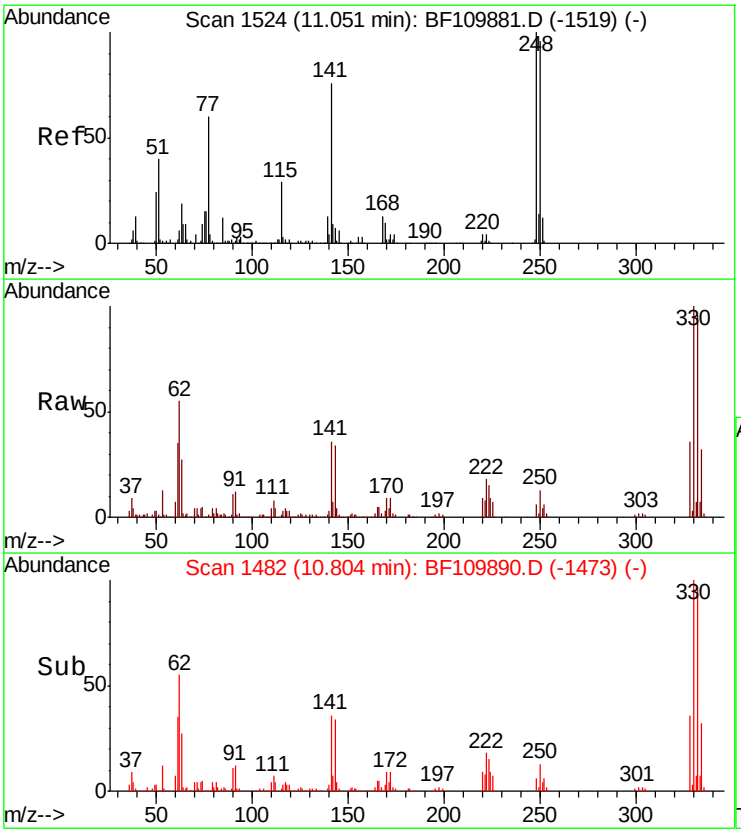

#65
4,6-Dinitro-2-methylphenol
Concen: 8.162 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:198 Resp: 602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 248.0 | 22.8 | 62.8# |
| 105 | 323.7 | 23.6 | 63.6# |

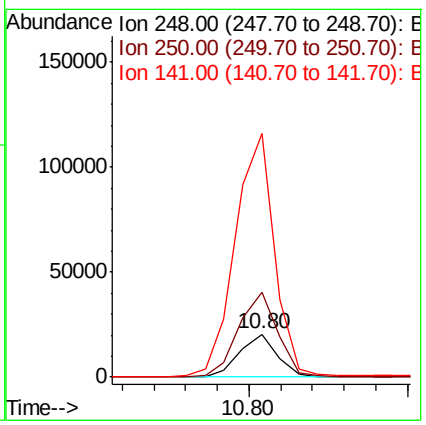


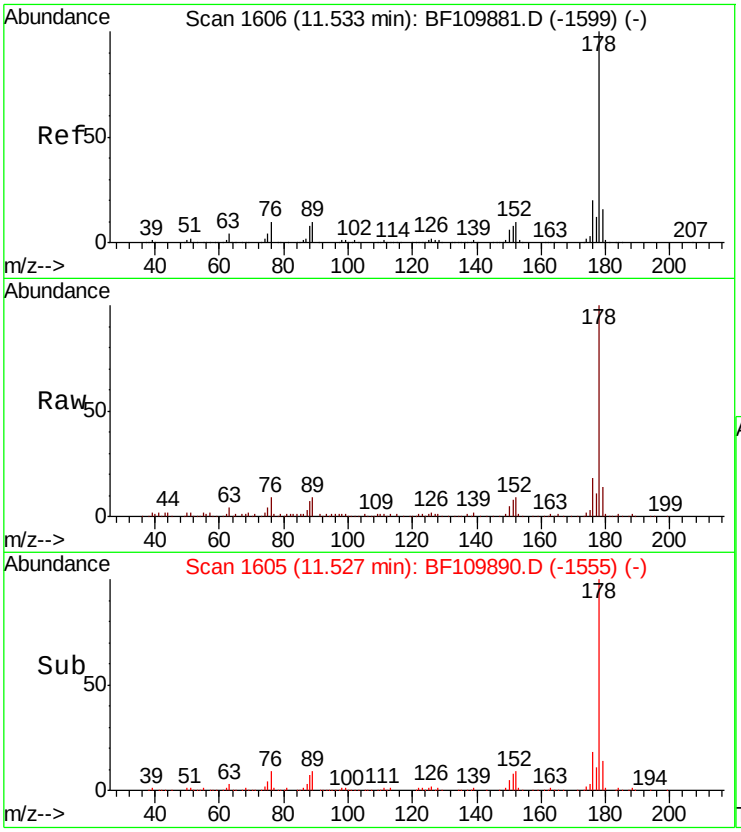




#67
4-Bromophenyl-phenylether
Concen: 2.837 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:248 Resp: 16571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 199.3 | 79.4 | 119.2# |
| 141 | 567.4 | 55.9 | 83.9# |



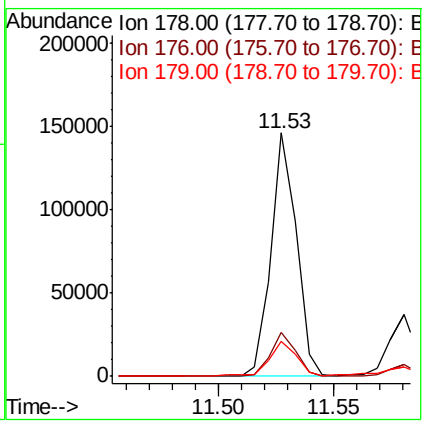


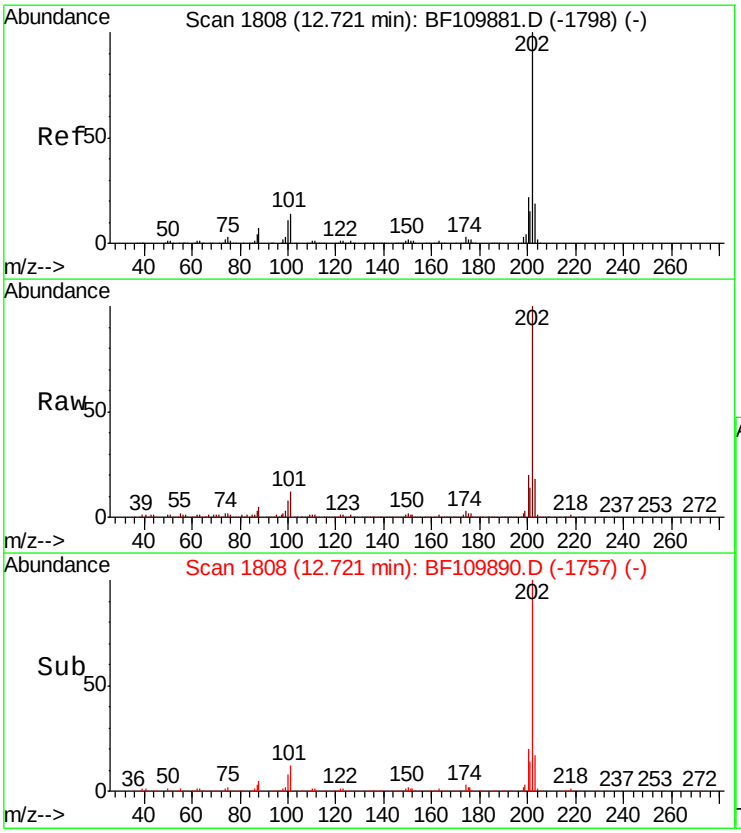

#71
Phenanthrene
Concen: 4.016 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:178 Resp: 112050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.9 | 15.5 | 23.3 |
| 179 | 14.4 | 12.5 | 18.7 |

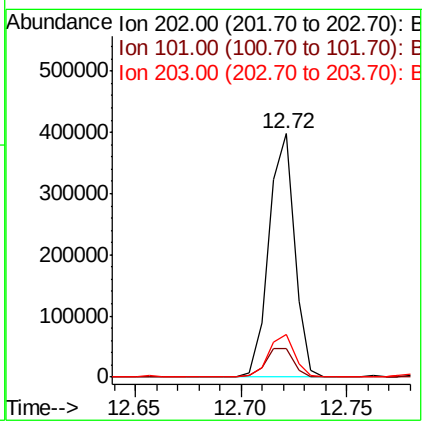


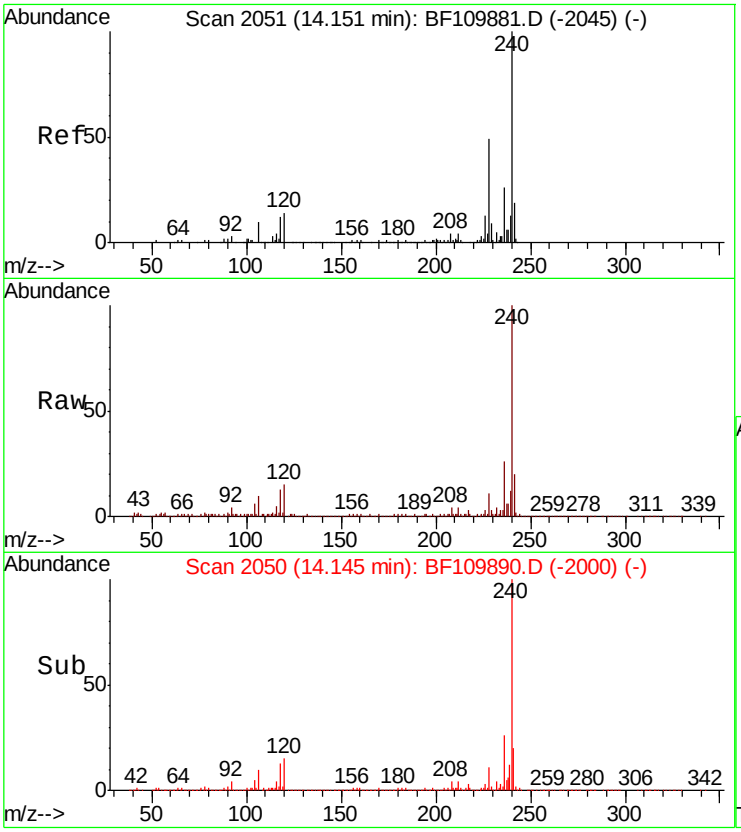




#75
Fluoranthene
Concen: 12.025 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:202 Resp: 335208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 0.0 | 31.4 |
| 203 | 17.5 | 0.0 | 37.7 |



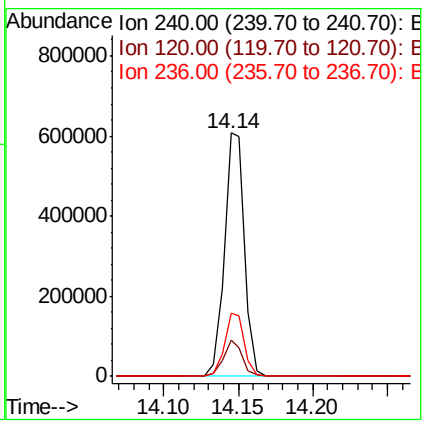


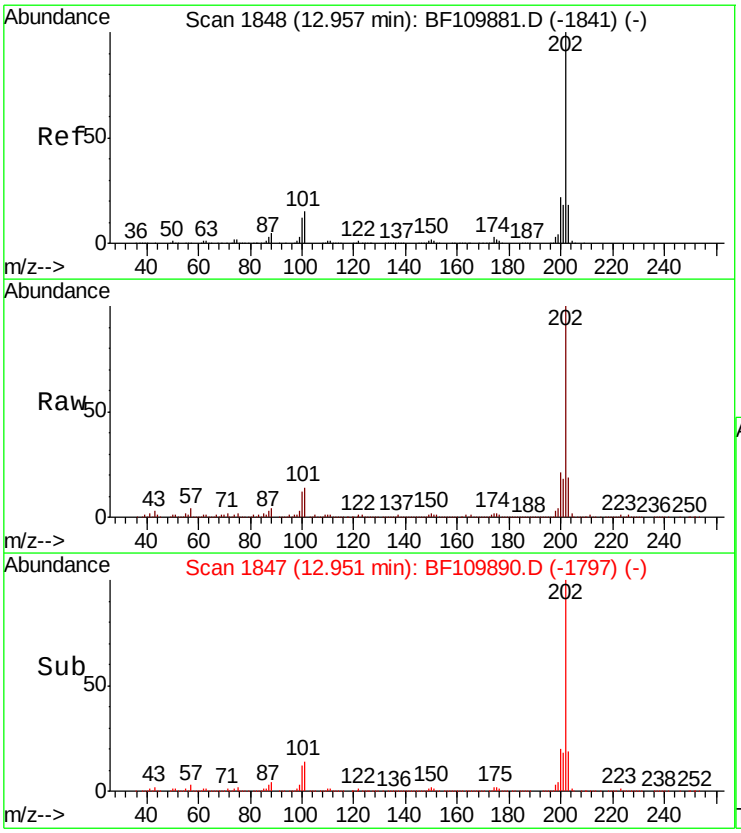

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:240 Resp: 575694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.0 | 8.3 | 12.5# |
| 236 | 25.7 | 21.2 | 31.8 |

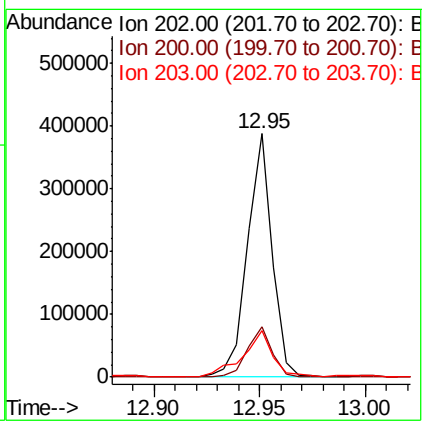


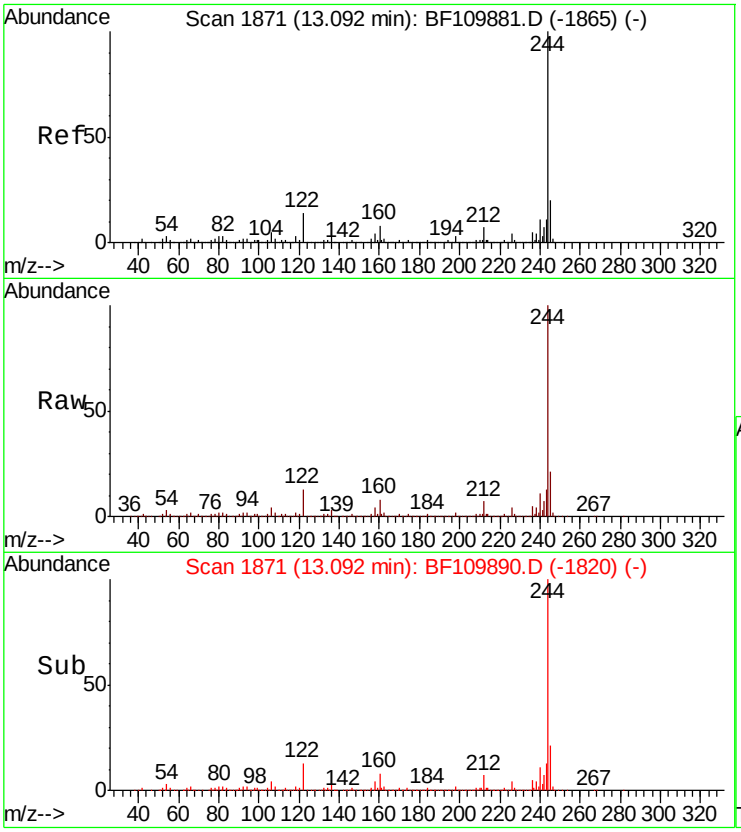




#78
Pyrene
Concen: 7.450 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:202 Resp: 315026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 17.8 | 26.6 |
| 203 | 19.0 | 14.2 | 21.4 |



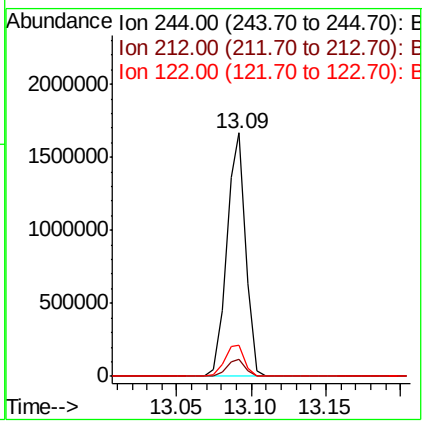


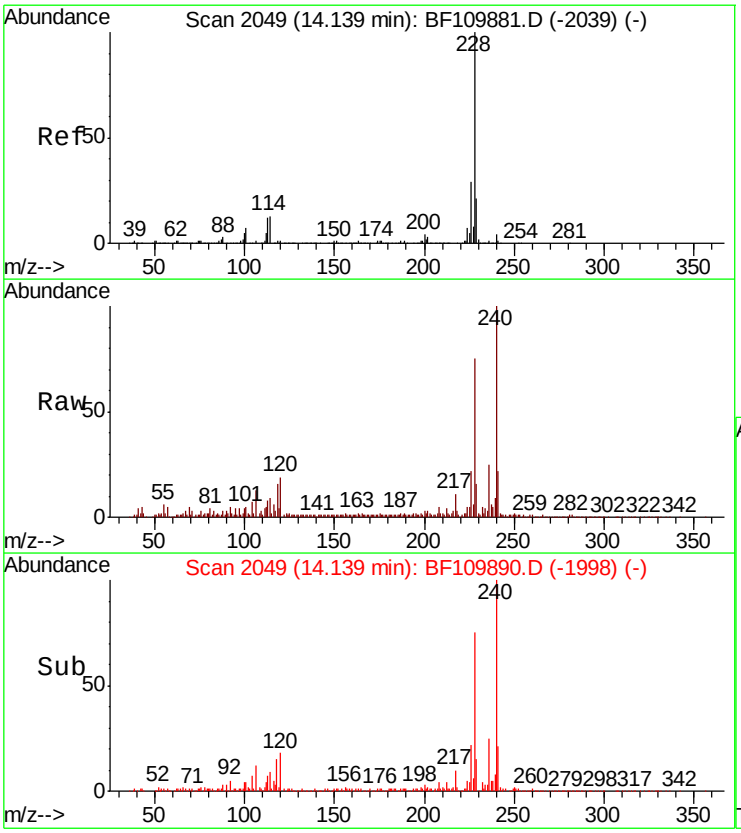

#79
Terphenyl-d14
Concen: 54.212 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:244 Resp: 1486231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.8 | 8.8 |
| 122 | 12.8 | 8.7 | 13.1 |

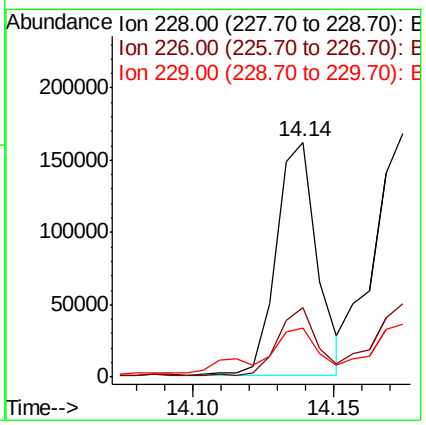


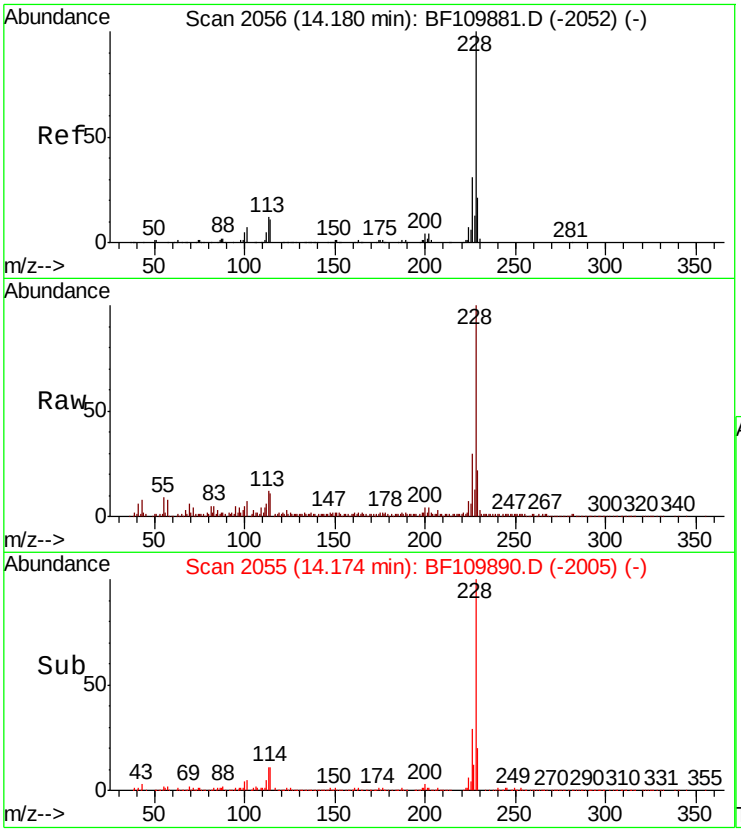




#81
Benzo(a)anthracene
Concen: 4.761 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:228 Resp: 161442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 22.1 | 33.1 |
| 229 | 21.1 | 15.6 | 23.4 |



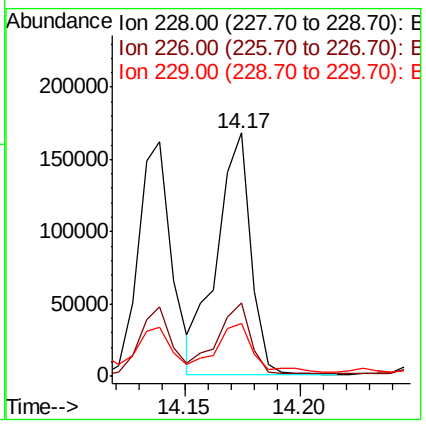


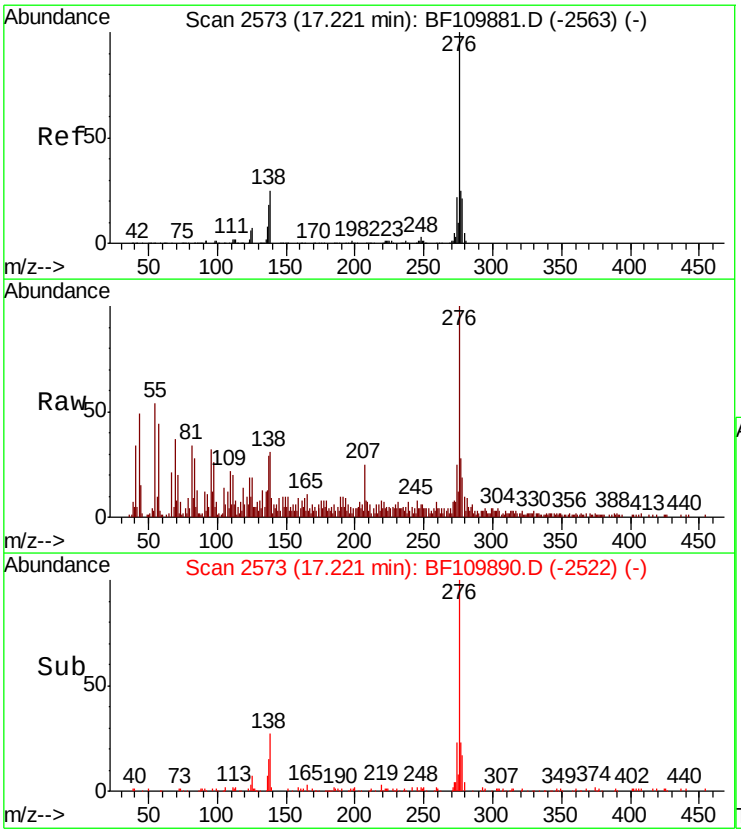

#83
Chrysene
Concen: 5.272 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:228 Resp: 170166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.7 | 37.1 |
| 229 | 21.7 | 15.9 | 23.9 |

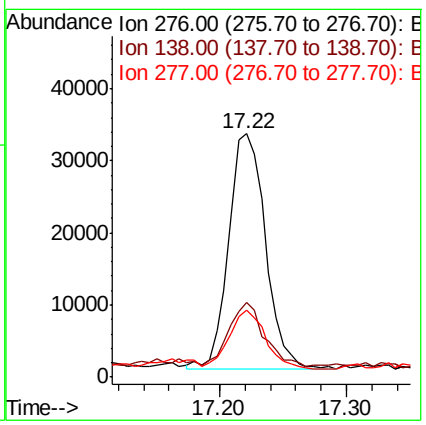


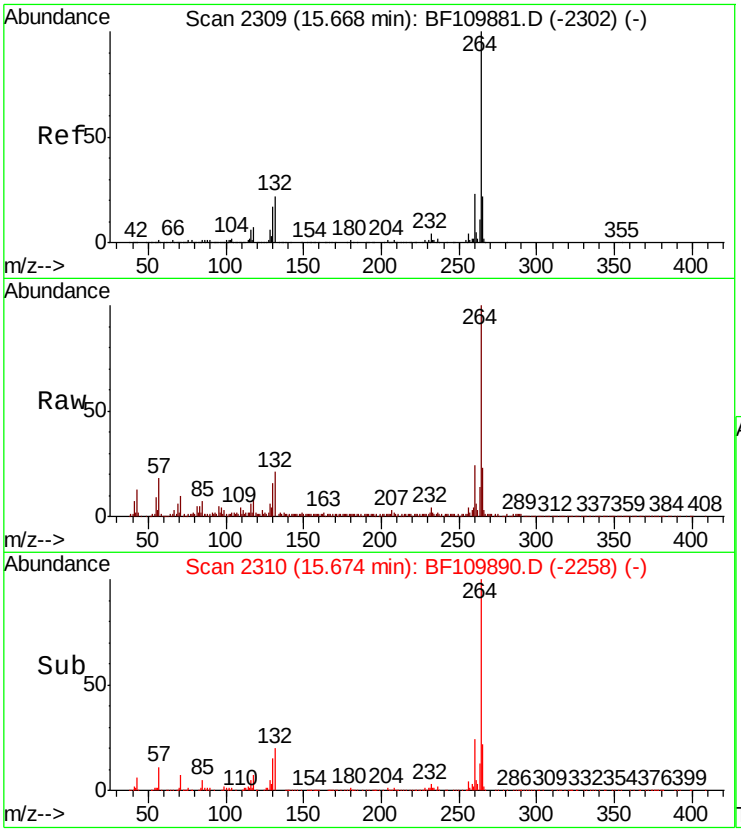




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.504 ng
RT: 17.22 min Scan# 2573
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:276 Resp: 65070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.6 | 18.5 | 27.7 |
| 277 | 25.1 | 20.0 | 30.0 |



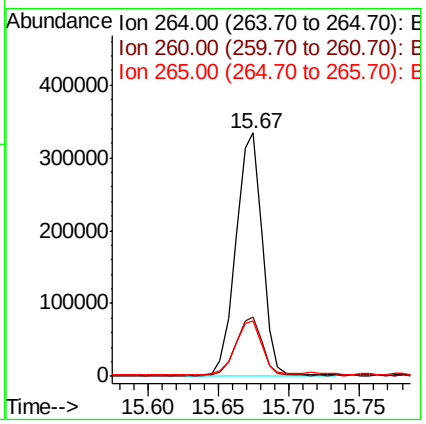


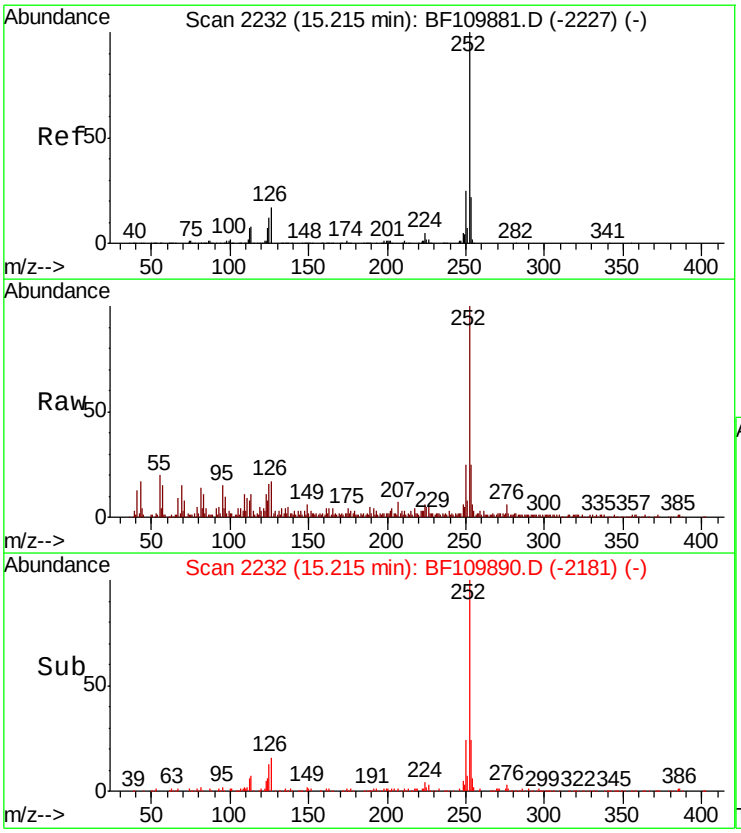

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:264 Resp: 430341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 18.7 | 28.1 |
| 265 | 22.9 | 16.7 | 25.1 |

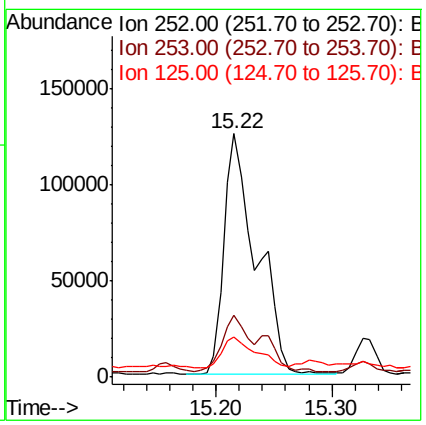


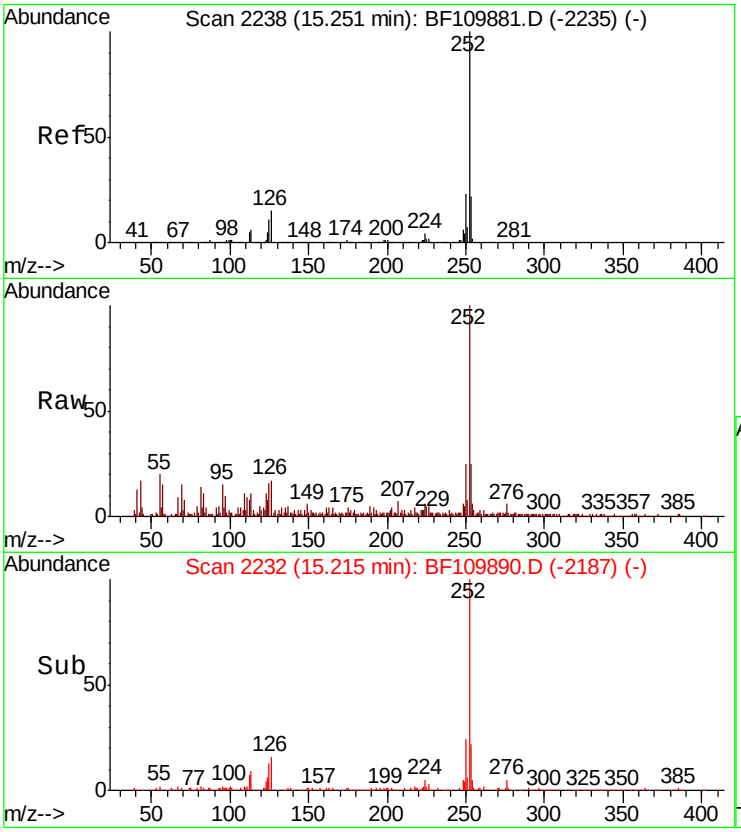




#88
Benzo(b)fluoranthene
Concen: 9.838 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:252 Resp: 244083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 17.2 | 25.8 |
| 125 | 16.4 | 8.2 | 12.4# |



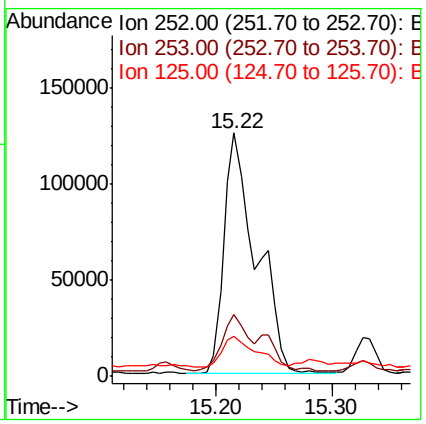


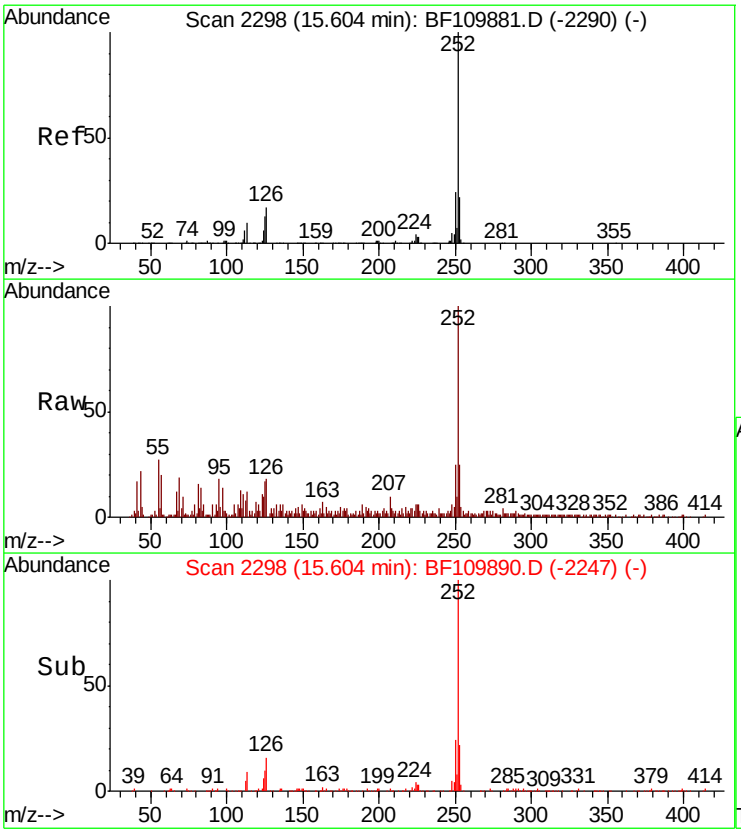

#89
Benzo(k)fluoranthene
Concen: 9.981 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:252 Resp: 244083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 17.2 | 25.8 |
| 125 | 16.4 | 7.4 | 11.0# |

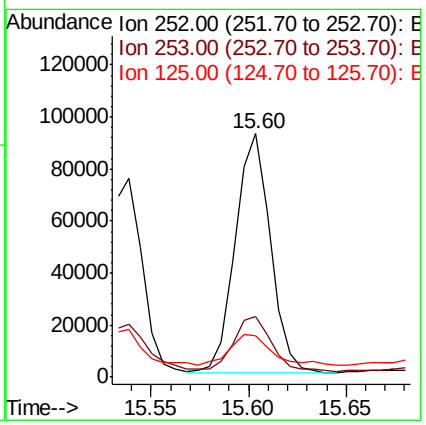


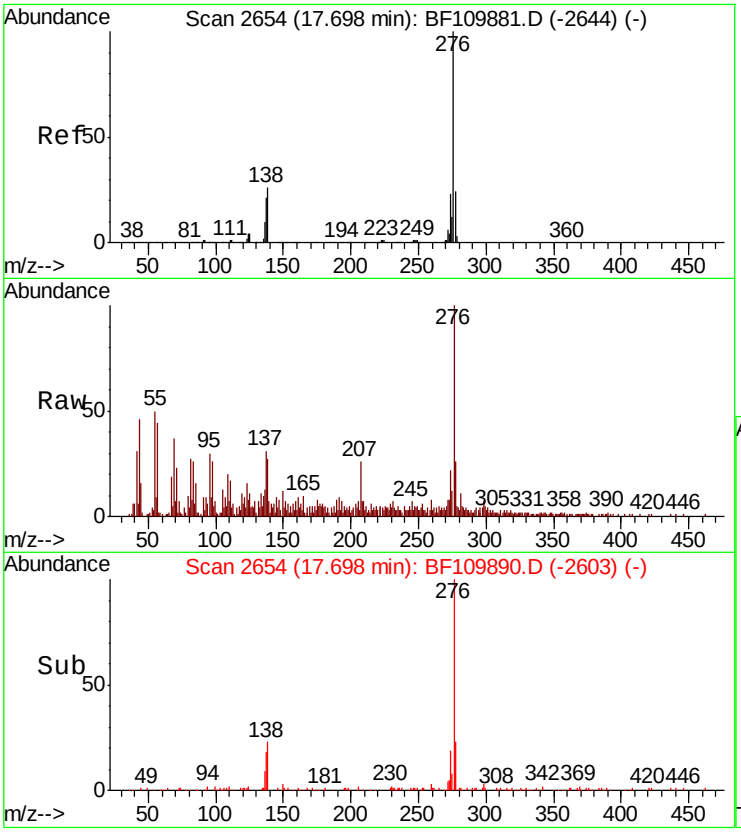




#90
Benzo(a)pyrene
Concen: 5.017 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:252 Resp: 114490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 18.2 | 27.4 |
| 125 | 17.1 | 9.0 | 13.6# |






#92
Benzo(g,h,i)perylene
Concen: 3.327 ng
RT: 17.70 min Scan# 2654
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

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

Tgt Ion:276 Resp: 67970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.1 | 18.8 | 28.2 |
| 138 | 27.3 | 16.0 | 24.0# |