Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121830.D
Acq On : 5 Oct 2020 21:53
Operator : JU/CG
Sample : L4198-31 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RO-4

Quant Time: Oct 06 00:22:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.76 | 152 | 101251 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.05 | 136 | 376246 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.80 | 164 | 167454 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.28 | 188 | 271347 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.92 | 240 | 265388 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.36 | 264 | 262801 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 265373 | 38.95 | ng | | 0.00 |
| 7) Phenol-d6 | 6.40 | 99 | 323736 | 36.22 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.32 | 82 | 207758 | 29.65 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.59 | 330 | 65976 | 31.70 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.12 | 172 | 354282 | 32.04 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.86 | 244 | 280528 | 21.41 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 27112 | 5.263 | ng | # | 81 |
| 25) Isophorone | 7.32 | 82 | 207756 | 14.728 | ng | # | 67 |
| 50) Dimethylphthalate | 9.52 | 163 | 32077 | 2.643 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.80 | 165 | 21293 | 8.238 | ng | # | 21 |
| 57) 2,4-Dinitrotoluene | 9.80 | 165 | 21293 | 6.548 | ng | # | 21 |
| 75) Fluoranthene | 12.49 | 202 | 66370 | 4.205 | ng | | 98 |
| 78) Pyrene | 12.72 | 202 | 69655 | 3.592 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.91 | 228 | 55235 | 3.290 | ng | | 99 |
| 83) Chrysene | 13.94 | 228 | 44756 | 2.632 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 14.94 | 252 | 107906 | 6.142 | ng | # | 94 |
| 89) Benzo(k)fluoranthene | 14.94 | 252 | 107906 | 6.707 | ng | # | 93 |
| 90) Benzo(a)pyrene | 15.30 | 252 | 55182 | 3.695 | ng | # | 92 |
| 92) Benzo(g,h,i)perylene | 17.20 | 276 | 29181 | 2.084 | ng | | 97 |

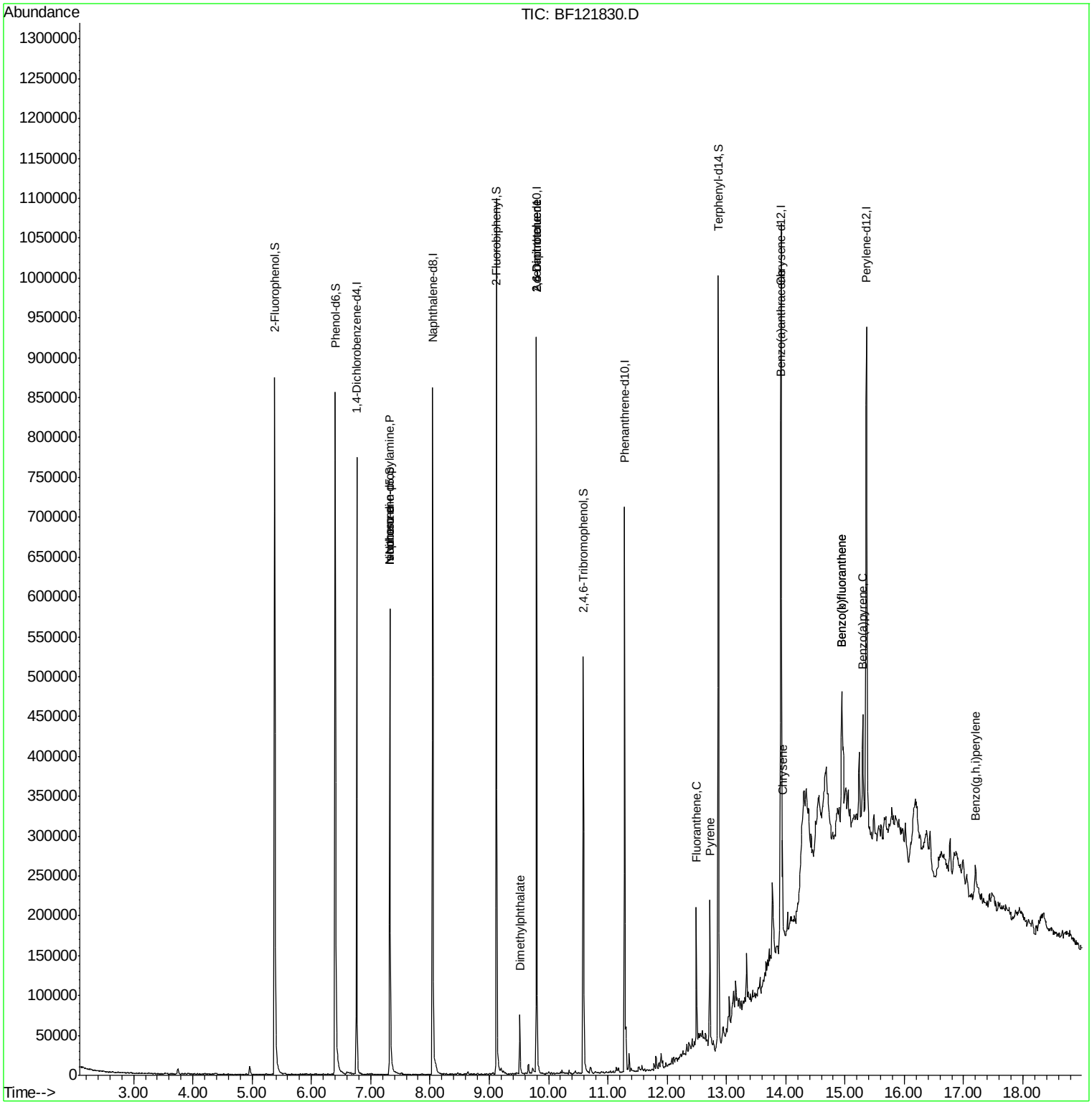
(#) = qualifier out of range (m) = manual integration (+) = signals summed

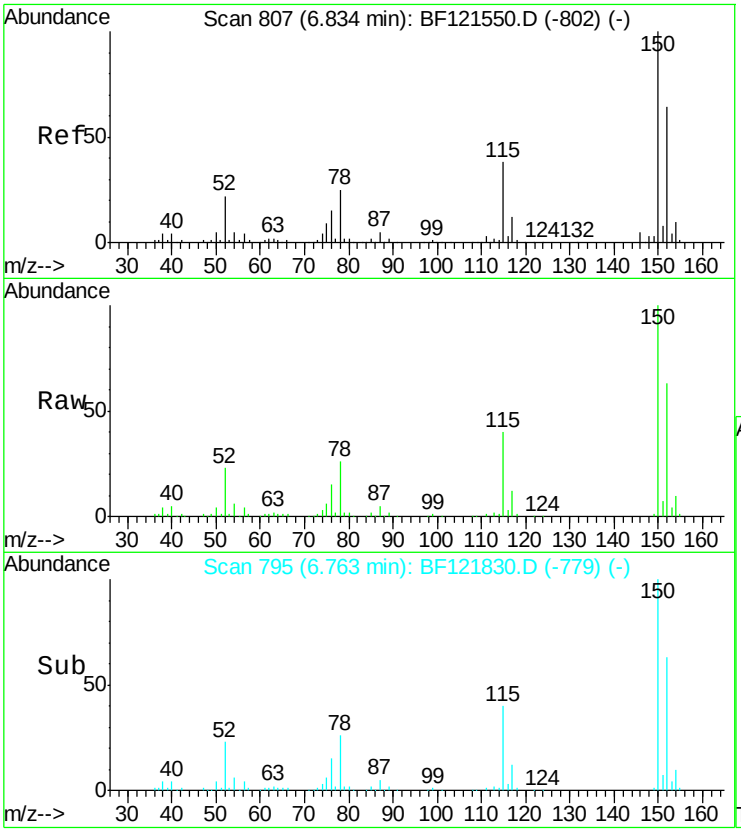
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121830.D
Acq On : 5 Oct 2020 21:53
Operator : JU/CG
Sample : L4198-31 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Quant Time: Oct 06 00:22:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration



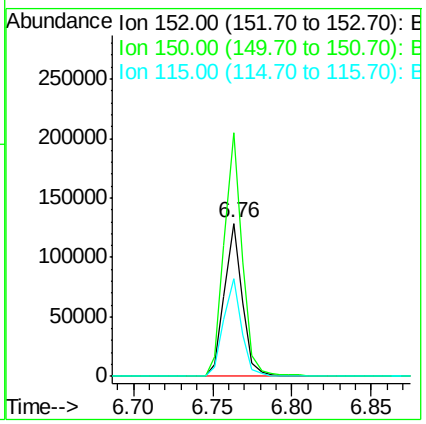


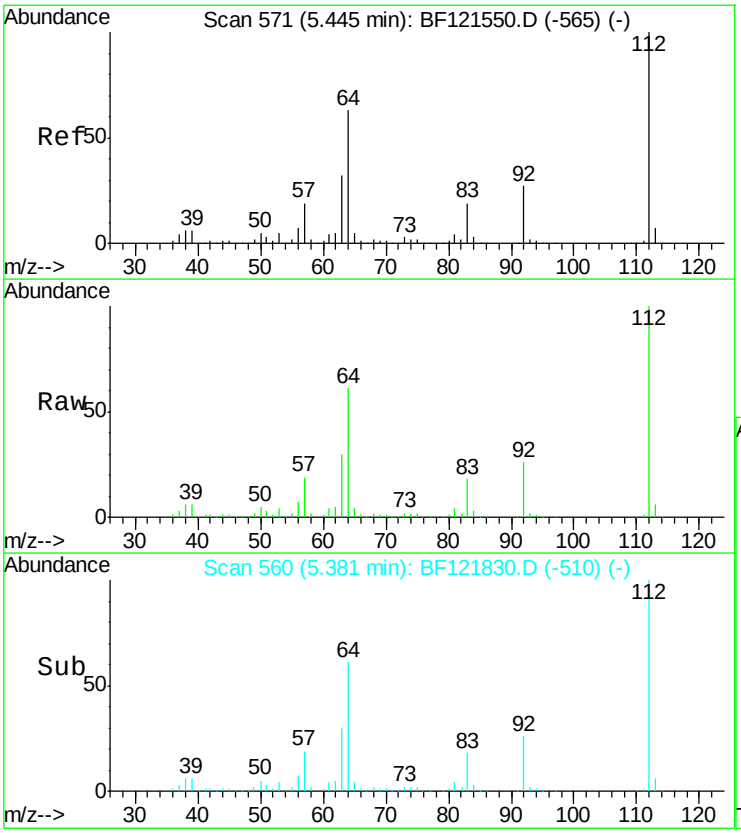

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:152 Resp: 101251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.2 | 125.3 | 187.9 |
| 115 | 63.9 | 51.9 | 77.9 |

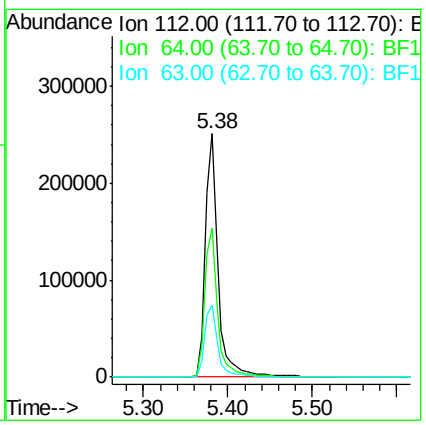


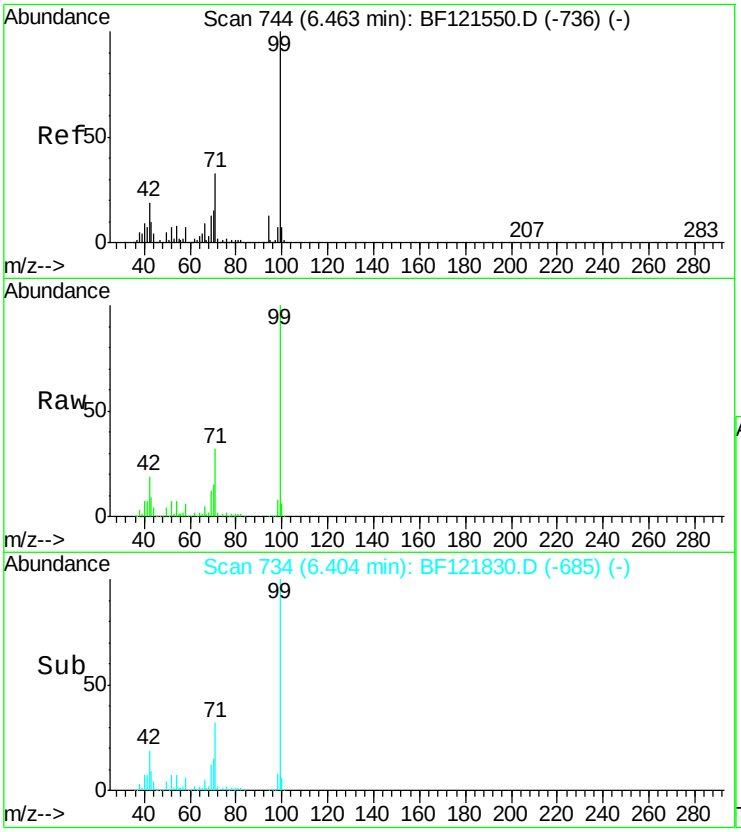




#5
2-Fluorophenol
Concen: 38.950 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:112 Resp: 265373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.0 | 50.4 | 75.6 |
| 63 | 29.7 | 25.8 | 38.6 |



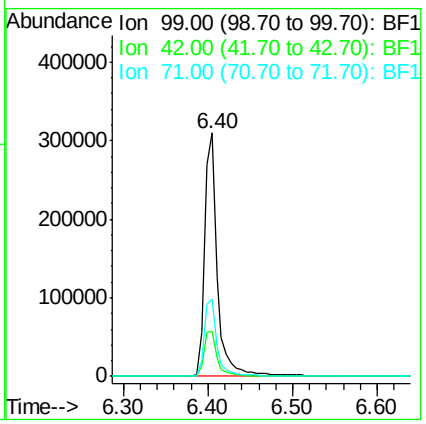


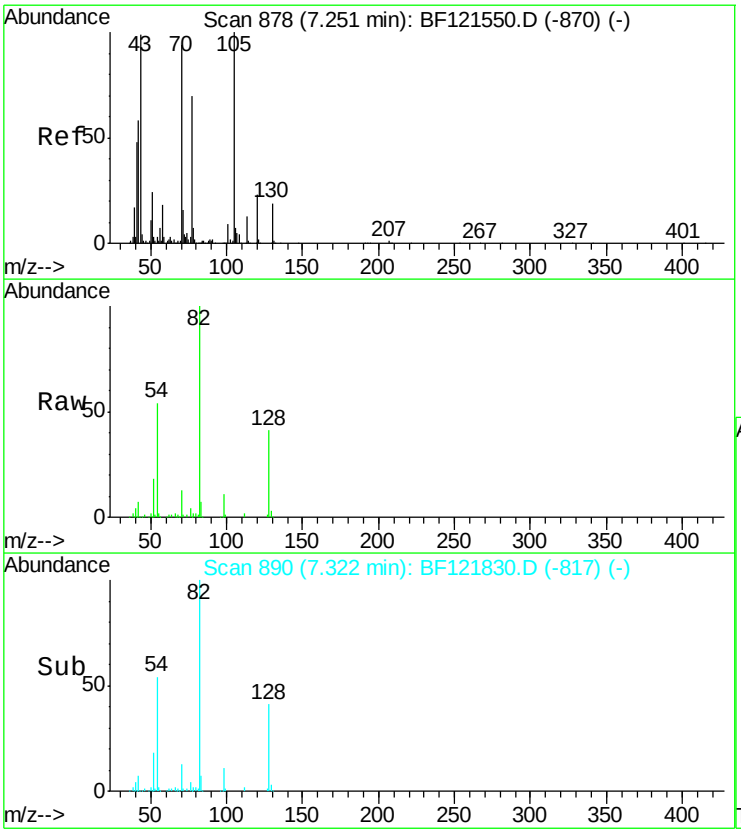

#7
Phenol-d6
Concen: 36.219 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion: 99 Resp: 323736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.9 | 23.9 |
| 71 | 31.5 | 27.1 | 40.7 |

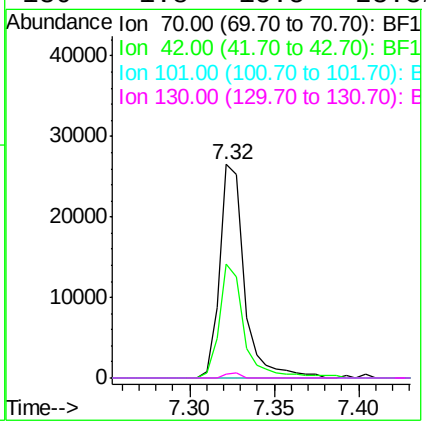


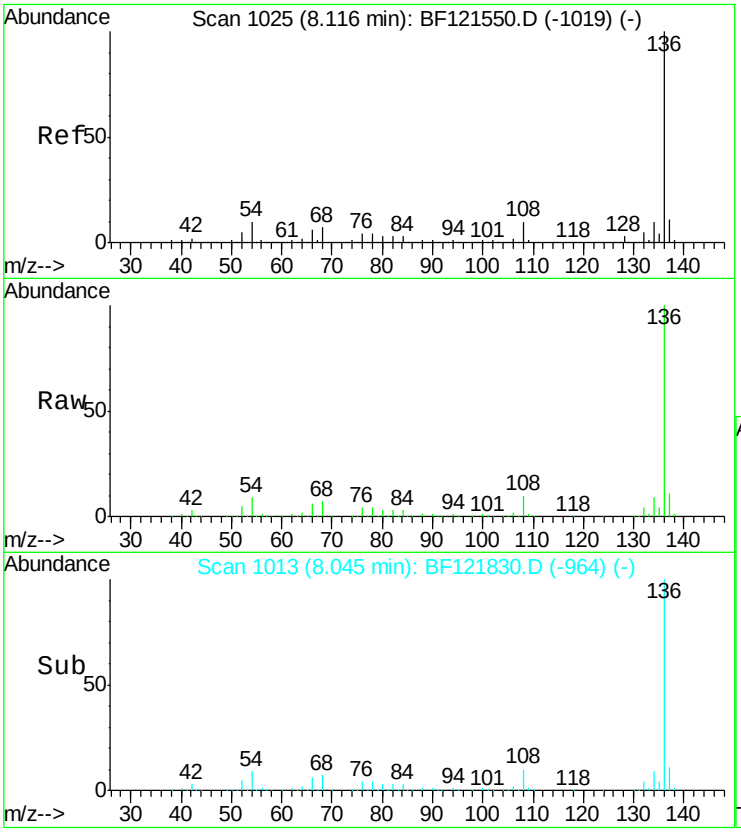




#19
n-Nitroso-di-n-propylamine
Concen: 5.263 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.13 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion: 70 Resp: 27112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.4 | 50.2 | 75.4 |
| 101 | 0.0 | 7.5 | 11.3# |
| 130 | 1.8 | 15.5 | 23.3# |



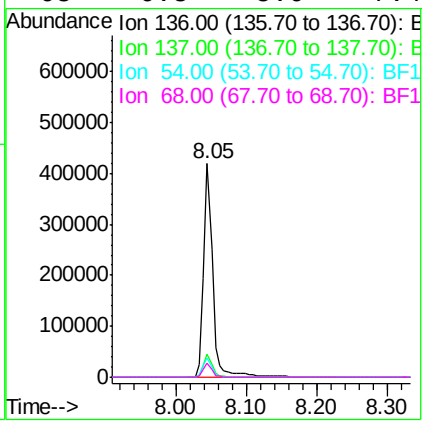


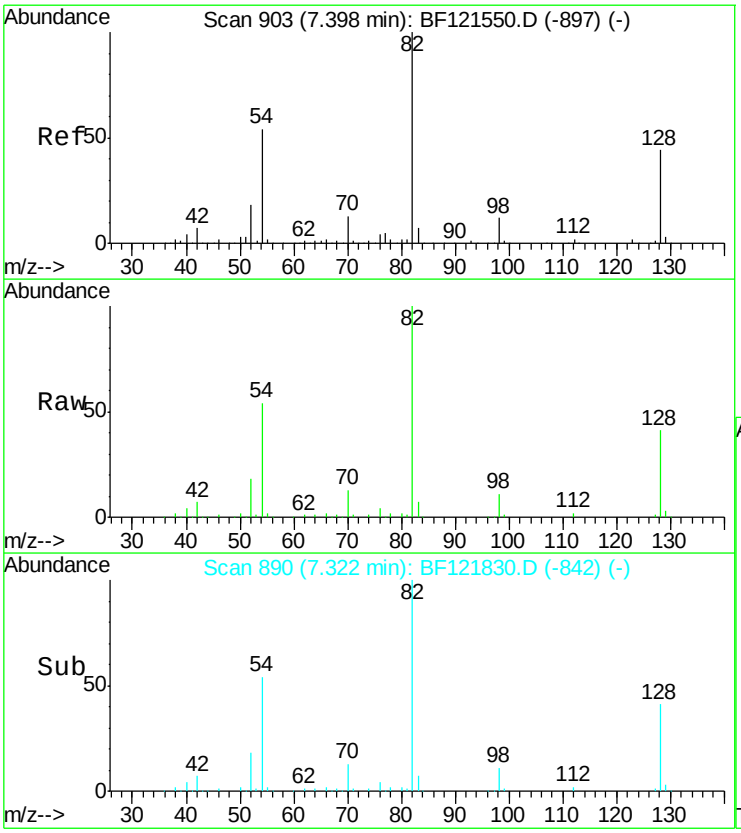

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:136 Resp: 376246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 13.0 |
| 54 | 9.3 | 7.1 | 10.7 |
| 68 | 6.8 | 5.0 | 7.4 |

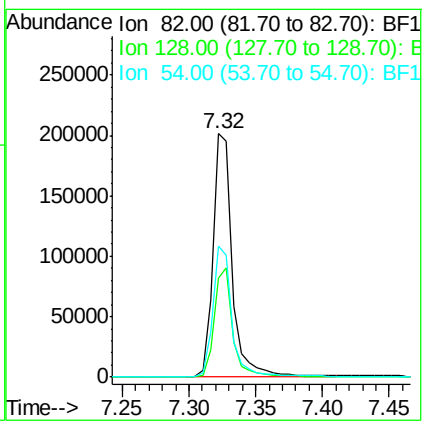


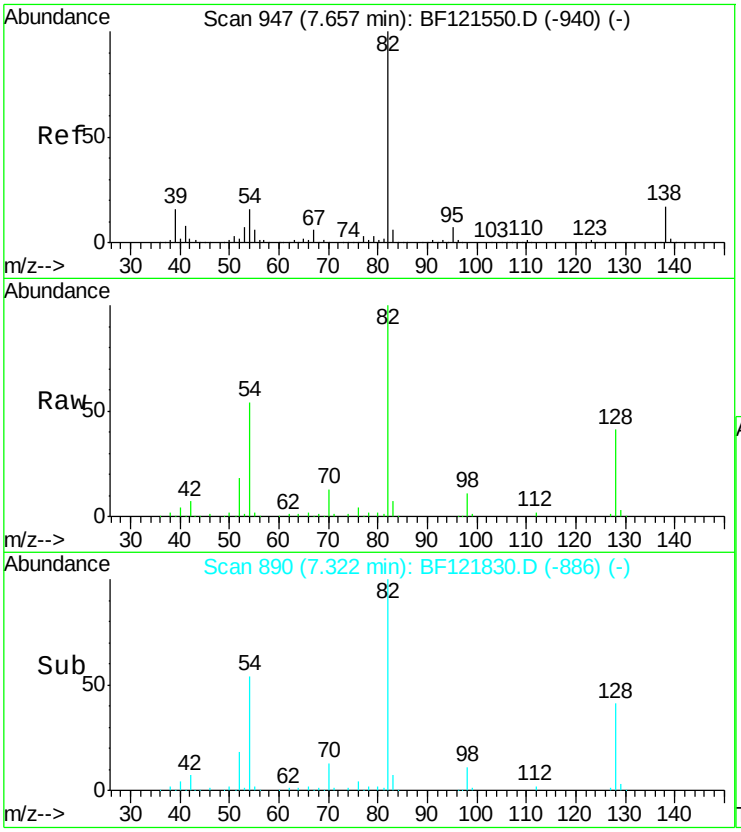




#23
Nitrobenzene-d5
Concen: 29.648 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion: 82 Resp: 207758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.6 | 35.0 | 52.4 |
| 54 | 53.9 | 43.9 | 65.9 |



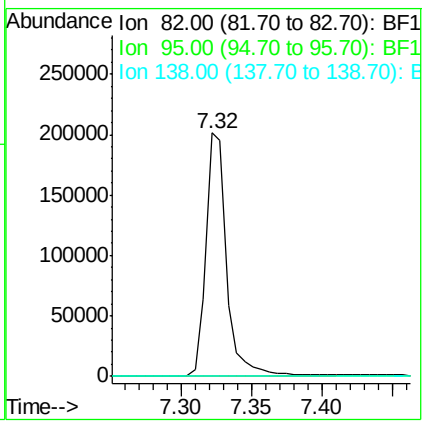


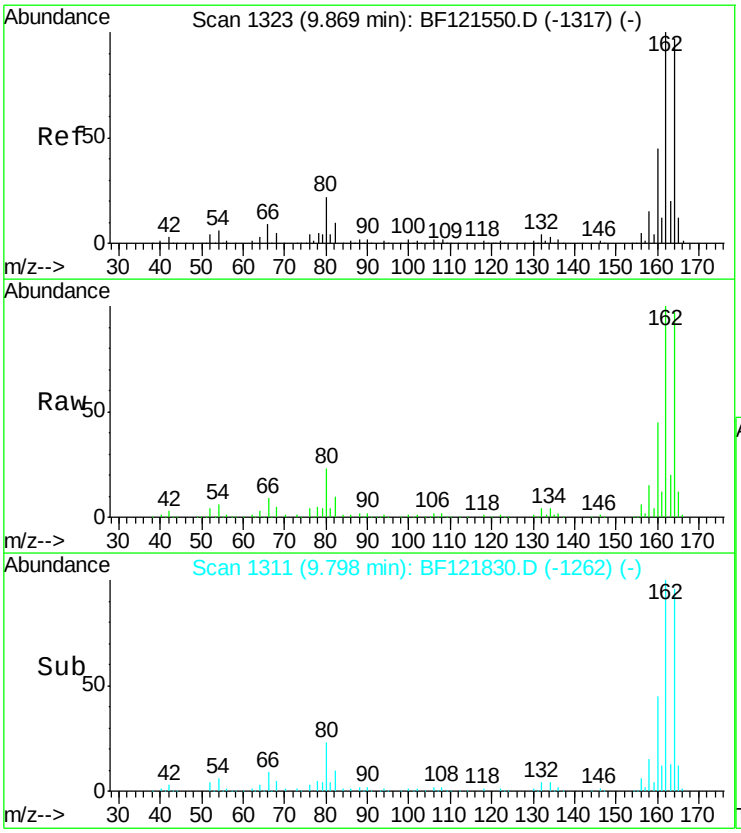

#25
Isophorone
Concen: 14.728 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.28 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion: 82 Resp: 207756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.0# |
| 138 | 0.0 | 13.4 | 20.0# |

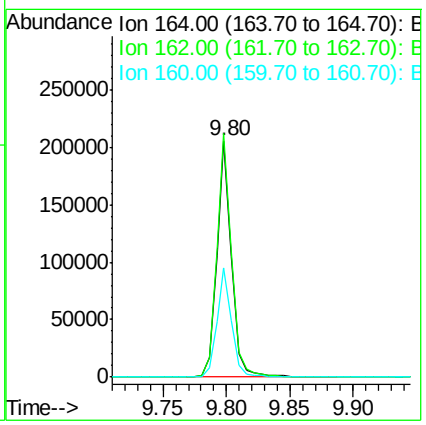


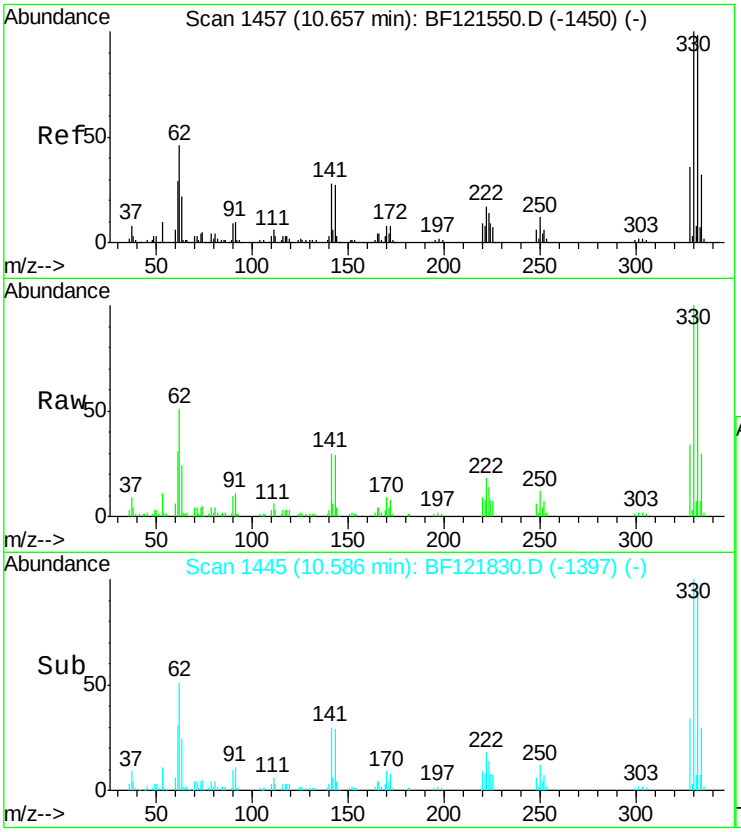




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:164 Resp: 167454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 83.2 | 124.8 |
| 160 | 46.0 | 37.5 | 56.3 |



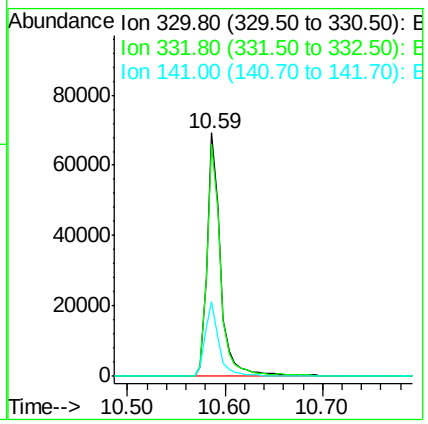


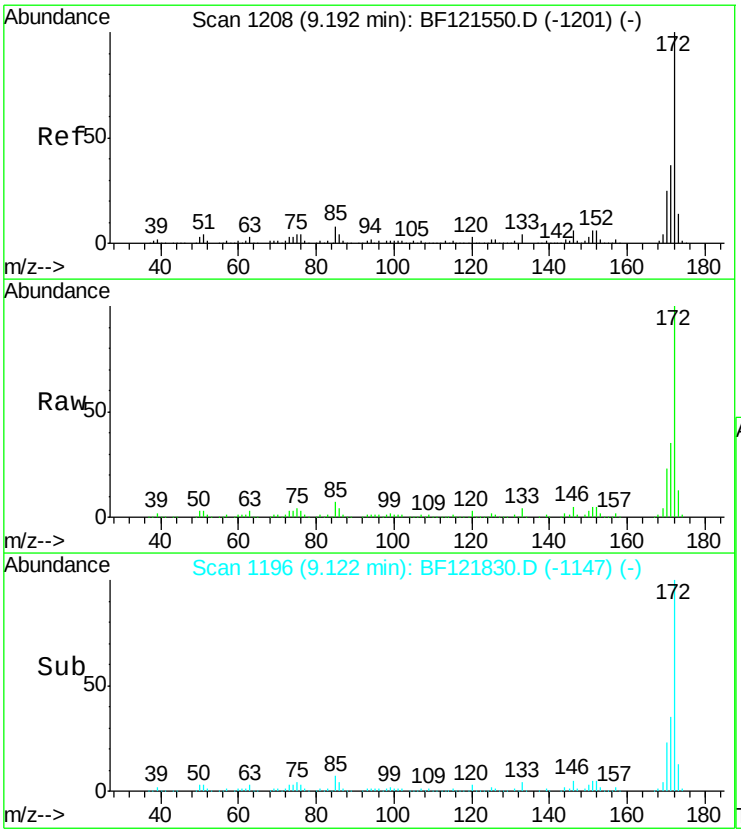

#42
2,4,6-Tribromophenol
Concen: 31.701 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:330 Resp: 65976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.3 | 115.9 |
| 141 | 31.0 | 22.3 | 33.5 |

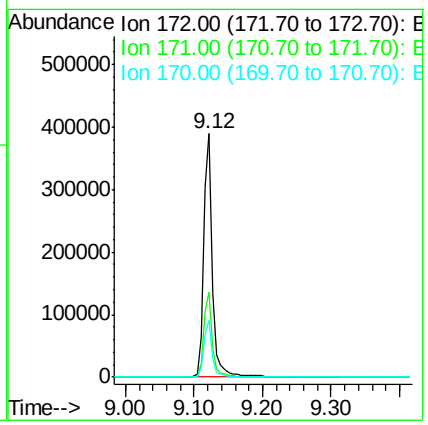


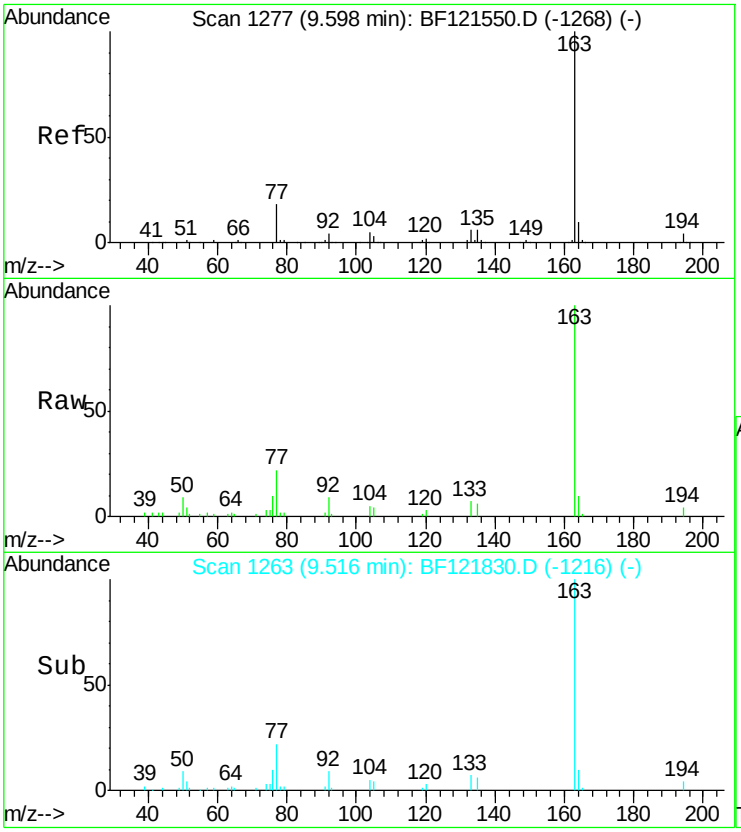




#45
2-Fluorobiphenyl
Concen: 32.043 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:172 Resp: 354282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 29.1 | 43.7 |
| 170 | 23.4 | 19.8 | 29.6 |



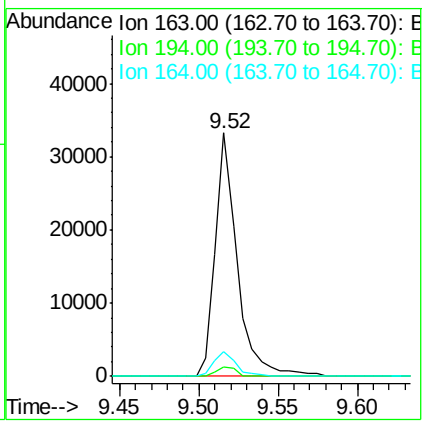


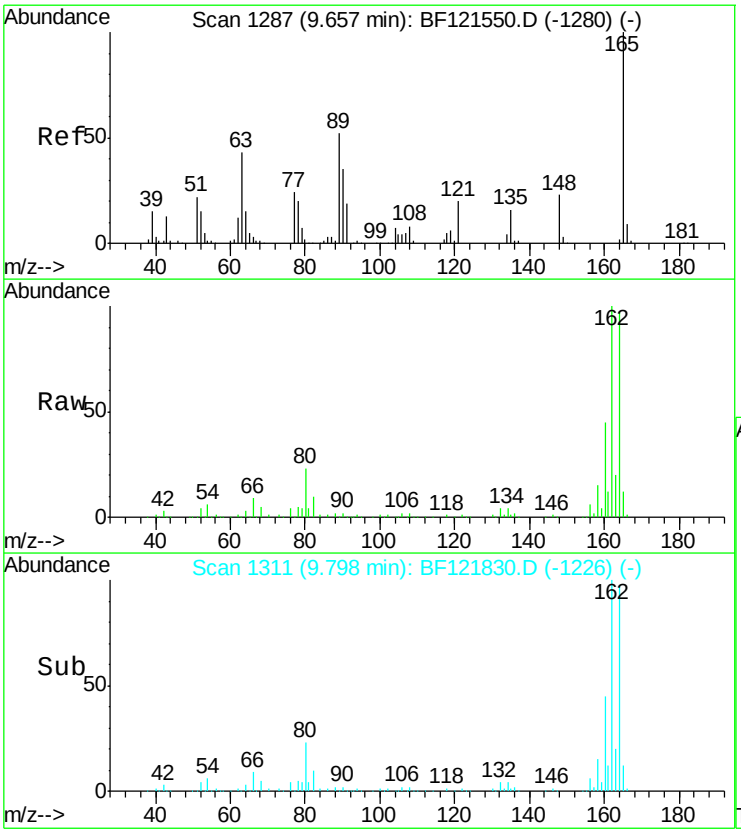

#50
Dimethylphthalate
Concen: 2.643 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:163 Resp: 32077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.3 | 4.9 |
| 164 | 10.2 | 8.2 | 12.4 |

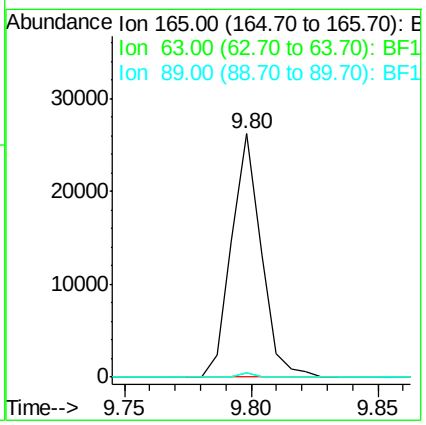


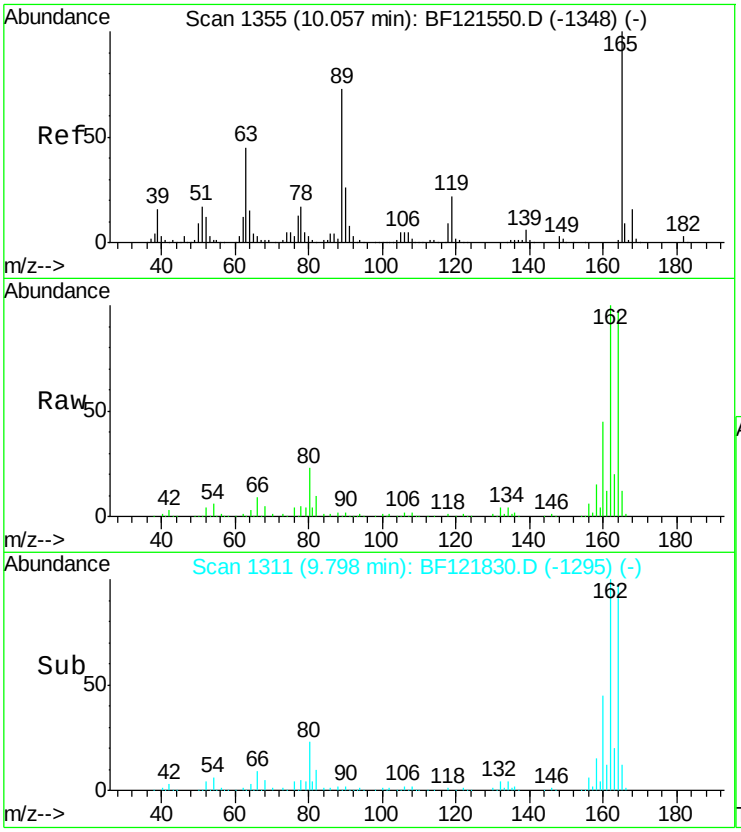




#51
2,6-Dinitrotoluene
Concen: 8.238 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.20 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:165 Resp: 21293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.7 | 51.8 | 77.6# |
| 89 | 1.7 | 49.0 | 73.6# |



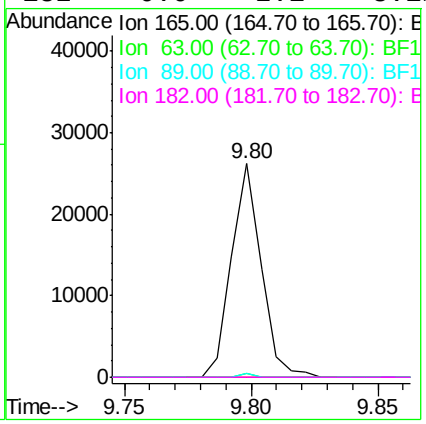


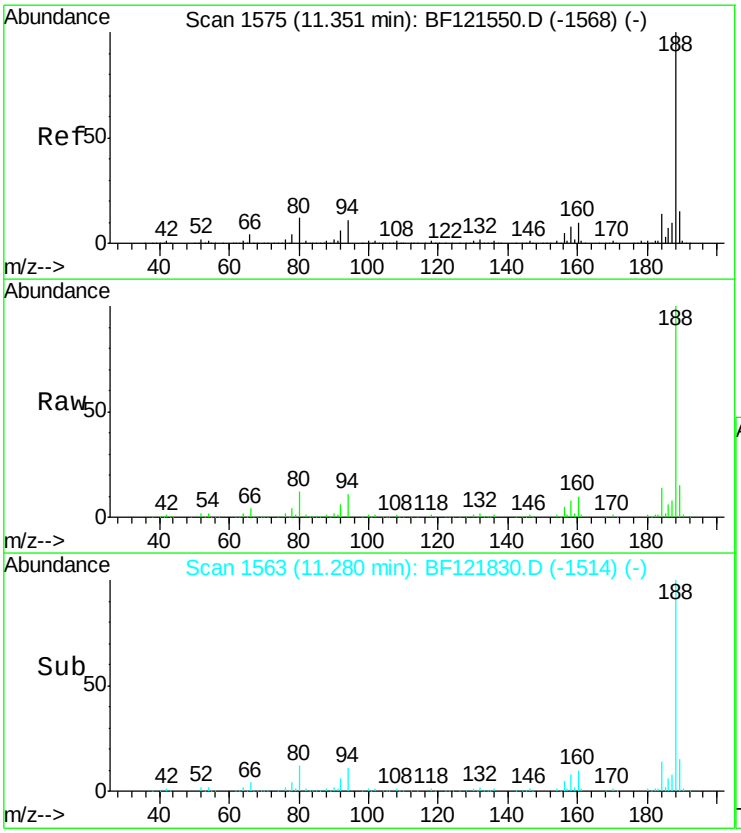

#57
2,4-Dinitrotoluene
Concen: 6.548 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:165 Resp: 21293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.7 | 41.3 | 61.9# |
| 89 | 1.7 | 61.8 | 92.8# |
| 182 | 0.0 | 2.1 | 3.1# |

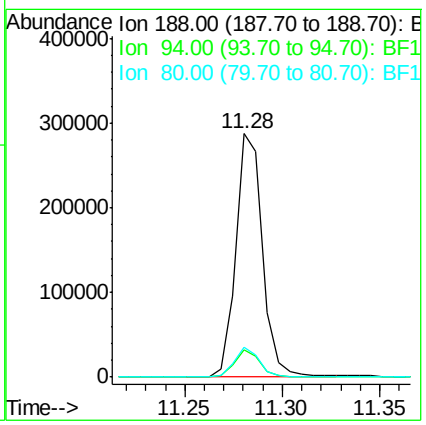


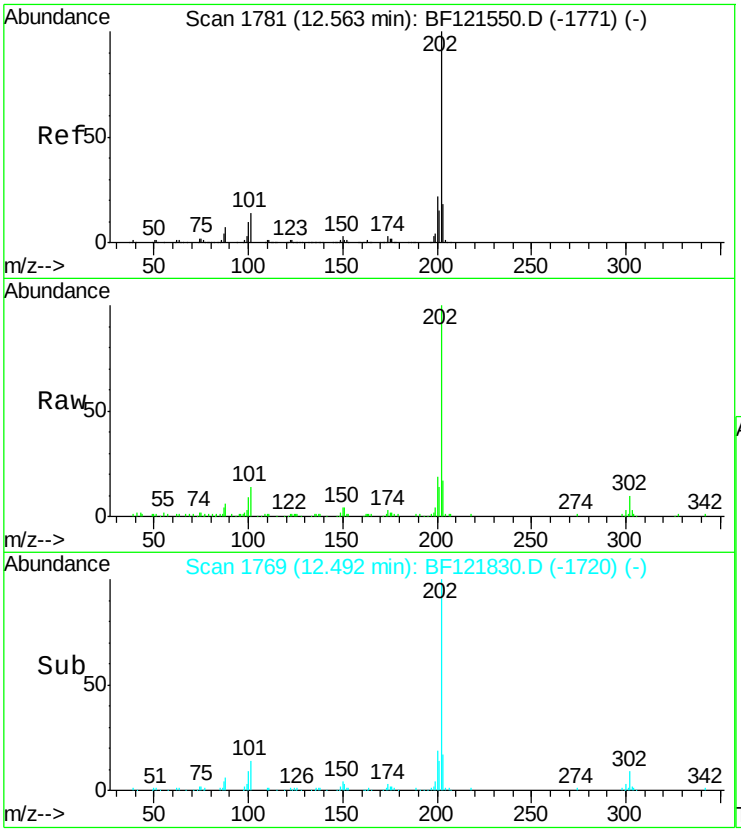




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:188 Resp: 271347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.0 | 8.3 | 12.5 |
| 80 | 12.2 | 9.1 | 13.7 |



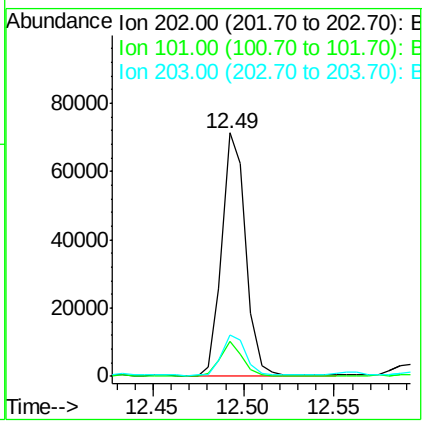


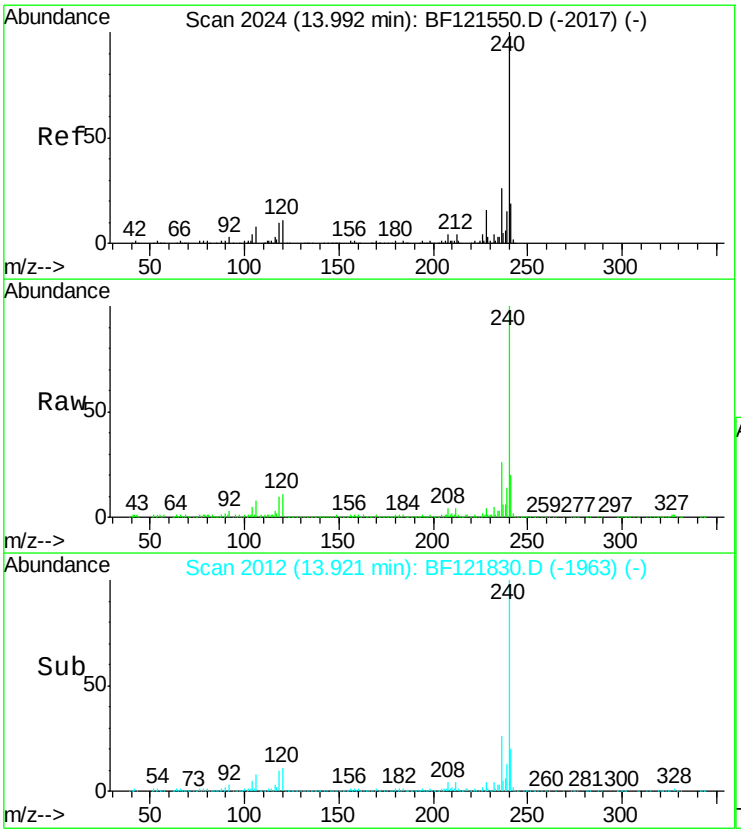

#75
Fluoranthene
Concen: 4.205 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:202 Resp: 66370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.2 | 0.0 | 33.4 |
| 203 | 17.2 | 0.0 | 37.9 |

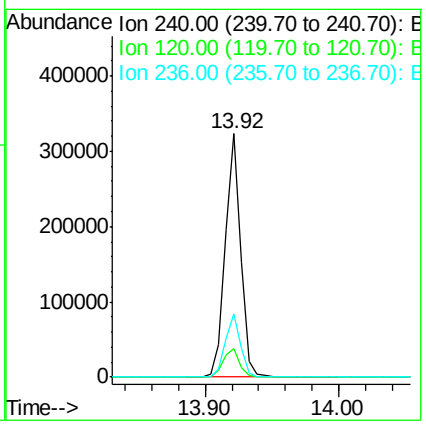


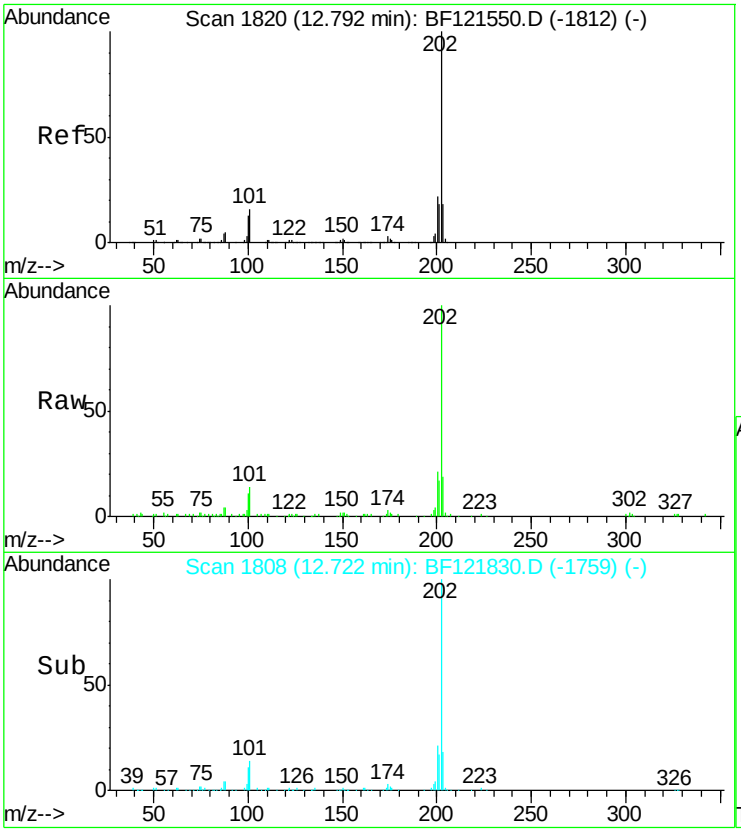




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:240 Resp: 265388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.5 | 9.2 | 13.8 |
| 236 | 25.8 | 20.9 | 31.3 |



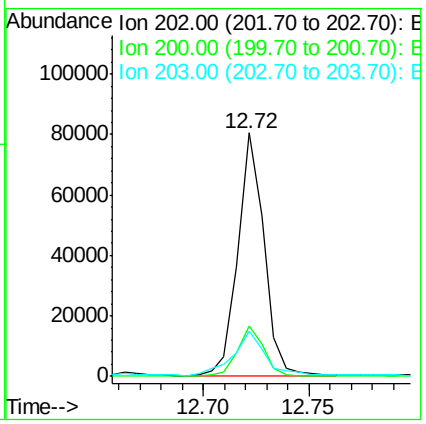


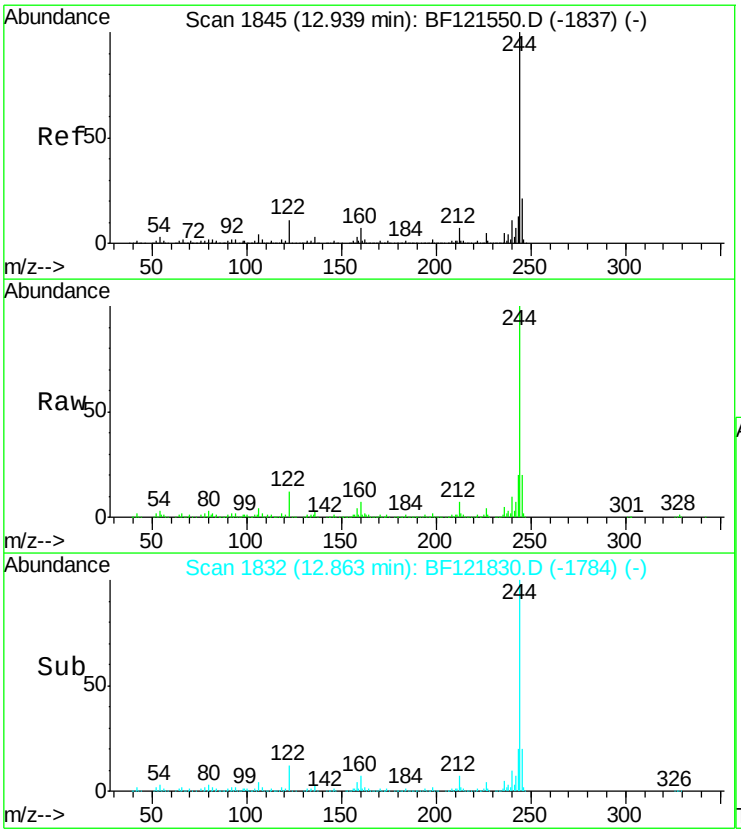

#78
Pyrene
Concen: 3.592 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:202 Resp: 69655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.7 | 17.4 | 26.2 |
| 203 | 18.5 | 14.6 | 21.8 |

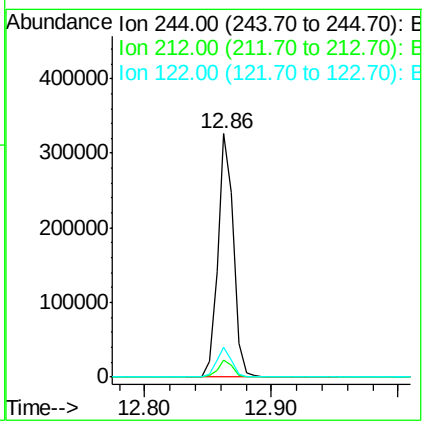


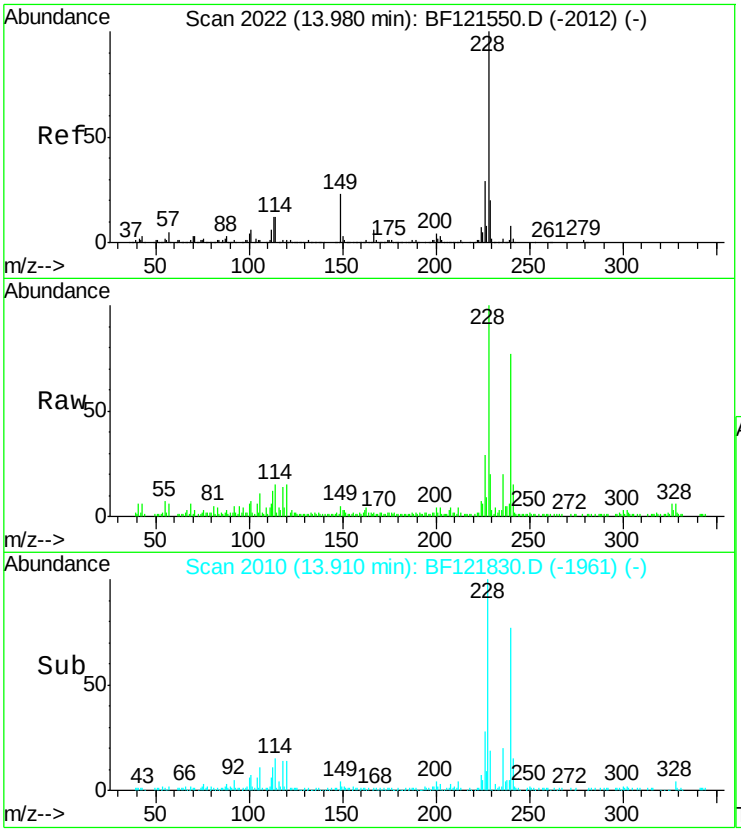




#79
Terphenyl-d14
Concen: 21.415 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:244 Resp: 280528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.2 |
| 122 | 12.2 | 8.1 | 12.1# |



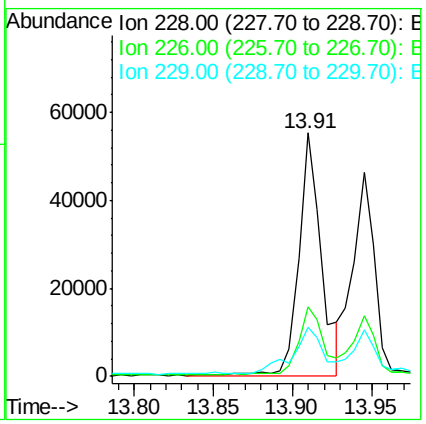


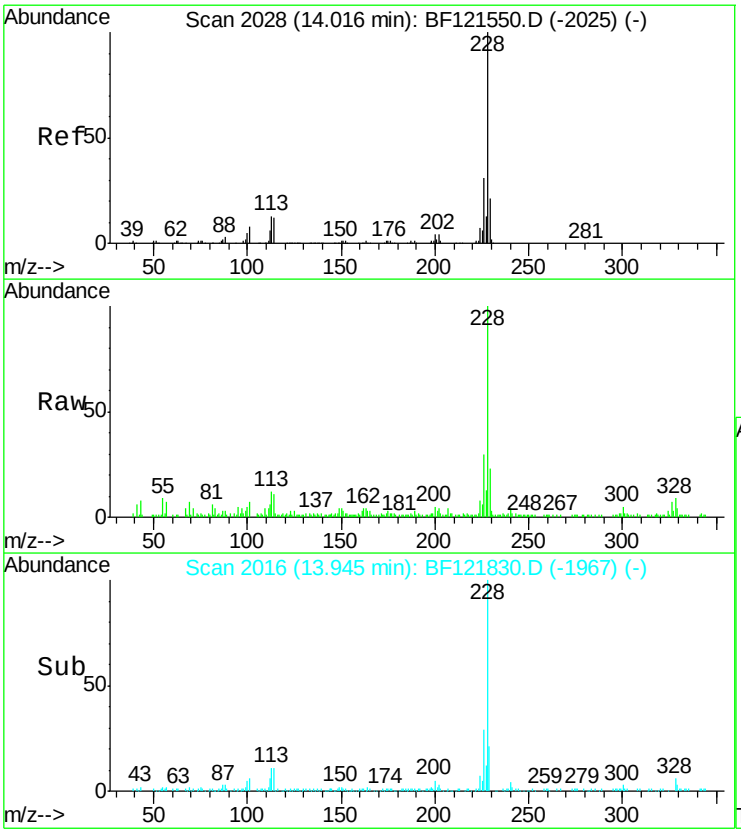

#81
Benzo(a)anthracene
Concen: 3.290 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:228 Resp: 55235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 22.3 | 33.5 |
| 229 | 20.2 | 16.2 | 24.4 |

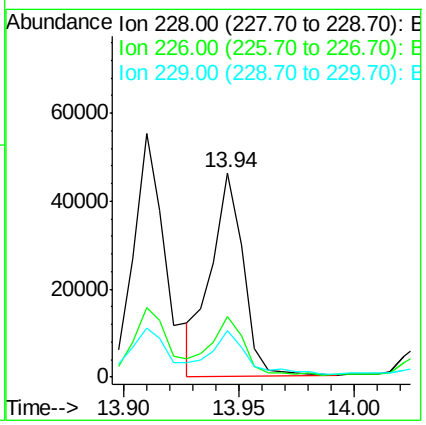


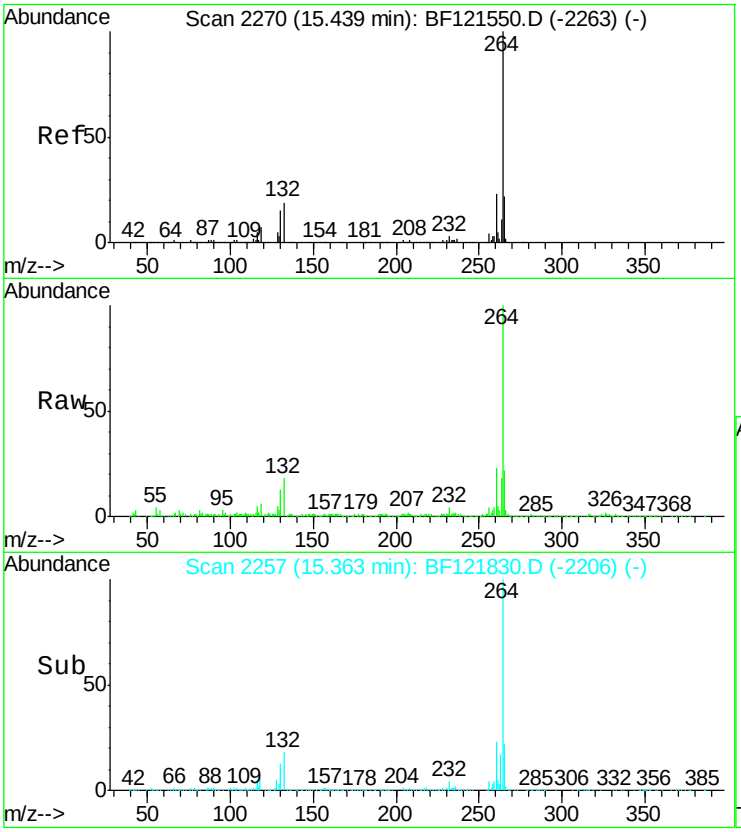




#83
Chrysene
Concen: 2.632 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:228 Resp: 44756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.6 | 37.0 |
| 229 | 23.1 | 15.9 | 23.9 |



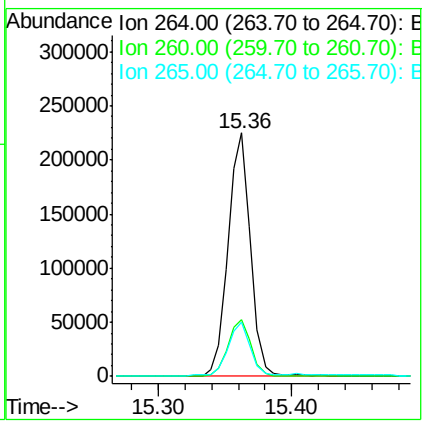


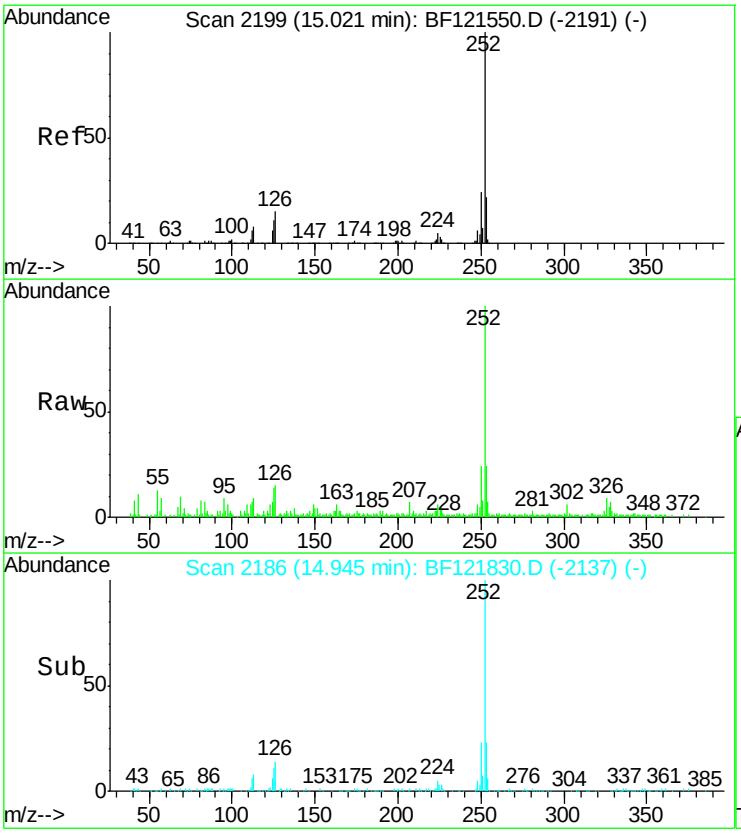

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:264 Resp: 262801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.7 | 28.1 |
| 265 | 22.2 | 17.3 | 25.9 |

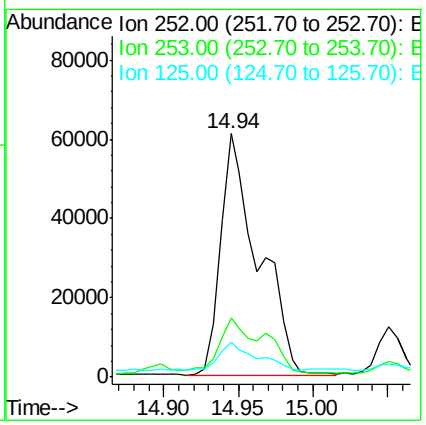


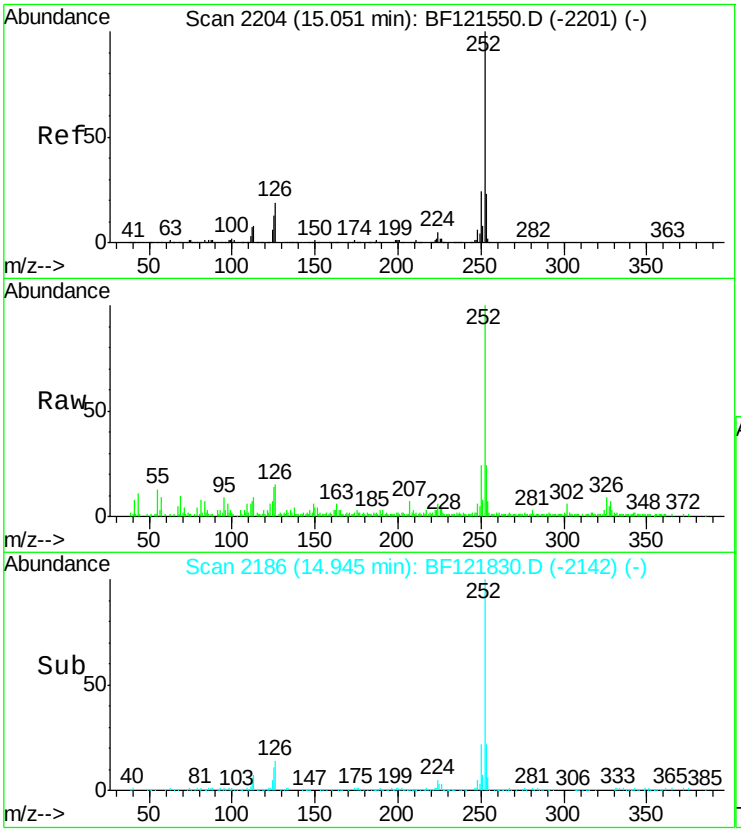




#88
Benzo(b)fluoranthene
Concen: 6.142 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:252 Resp: 107906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 18.2 | 27.2 |
| 125 | 14.5 | 8.0 | 12.0# |



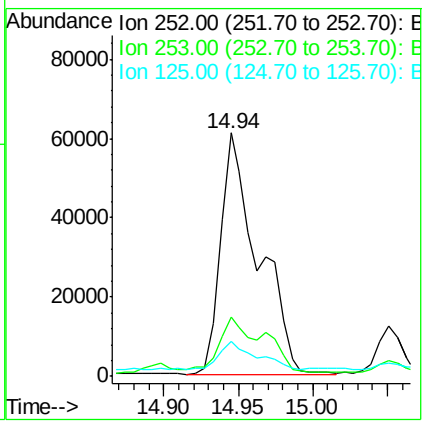


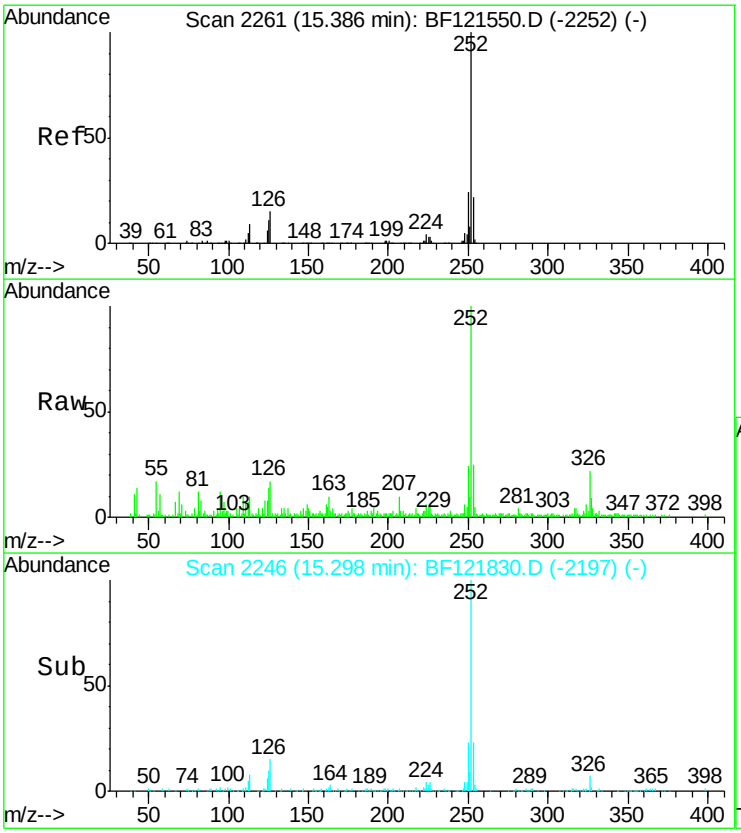

#89
Benzo(k)fluoranthene
Concen: 6.707 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:252 Resp: 107906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 17.8 | 26.6 |
| 125 | 14.5 | 7.7 | 11.5# |

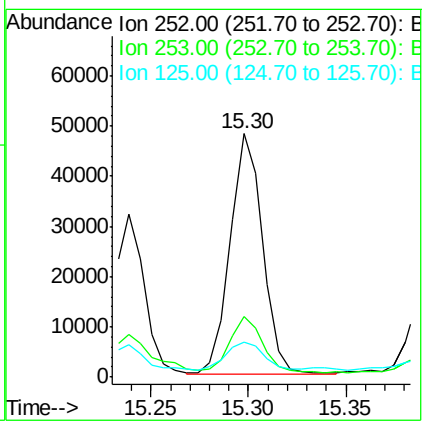


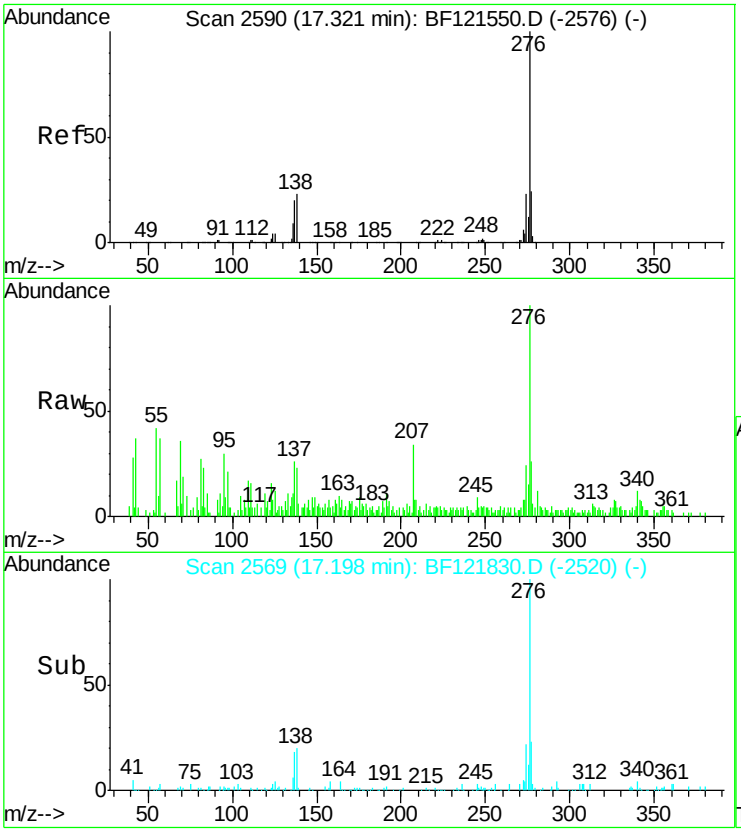




#90
Benzo(a)pyrene
Concen: 3.695 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:252 Resp: 55182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 17.3 | 25.9 |
| 125 | 14.2 | 8.6 | 13.0# |






#92
Benzo(g,h,i)perylene
Concen: 2.084 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

**Instrument :**
BNA_F
**ClientSampleId :**
RO-4

Tgt Ion:276 Resp: 29181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.4 | 19.4 | 29.2 |
| 138 | 22.9 | 17.8 | 26.6 |