Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110815.D
Acq On : 16 Nov 2018 14:33
Operator : JU/SJ
Sample : J5964-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
Sohil
11/19/2018 3:48:10 PM

Quant Time: Nov 16 15:39:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 63589 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.22 | 136 | 265613 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.98 | 164 | 127455 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.47 | 188 | 236931 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 14.13 | 240 | 140861 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 15.66 | 264 | 144611 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 487541 | 124.54 | ng | 0.00 |
| 7) Phenol-d6 | 6.57 | 99 | 624505 | 124.75 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 394400 | 85.51 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.78 | 330 | 142581 | 111.02 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.30 | 172 | 737503 | 82.64 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.06 | 244 | 596337 | 79.28 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 50) Dimethylphthalate | 9.69 | 163 | 73053 | 7.681 | ng | 99 |
| 71) Phenanthrene | 11.50 | 178 | 33770 | 2.660 | ng | 98 |
| 75) Fluoranthene | 12.70 | 202 | 54644 | 4.294 | ng | 98 |
| 78) Pyrene | 12.93 | 202 | 58541 | 5.397 | ng | 98 |
| 81) Benzo(a)anthracene | 14.12 | 228 | 22930 | 2.723 | ng | 98 |
| 83) Chrysene | 14.16 | 228 | 22845 | 2.848 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.20 | 252 | 20465m | 2.366 | ng | |
| 90) Benzo(a)pyrene | 15.59 | 252 | 16345 | 2.079 | ng | 99 |

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110815.D
Acq On : 16 Nov 2018 14:33
Operator : JU/SJ
Sample : J5964-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

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**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
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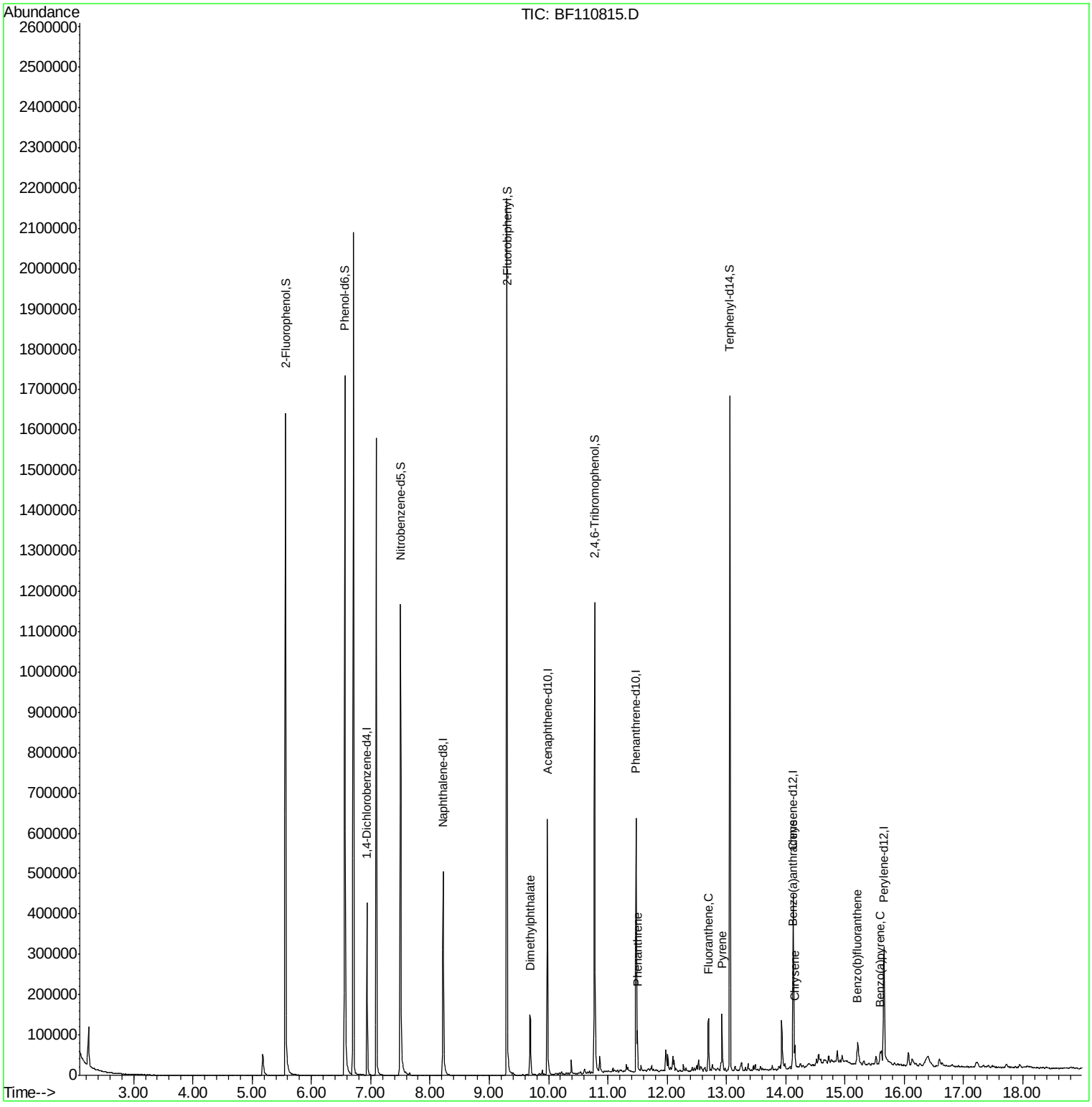
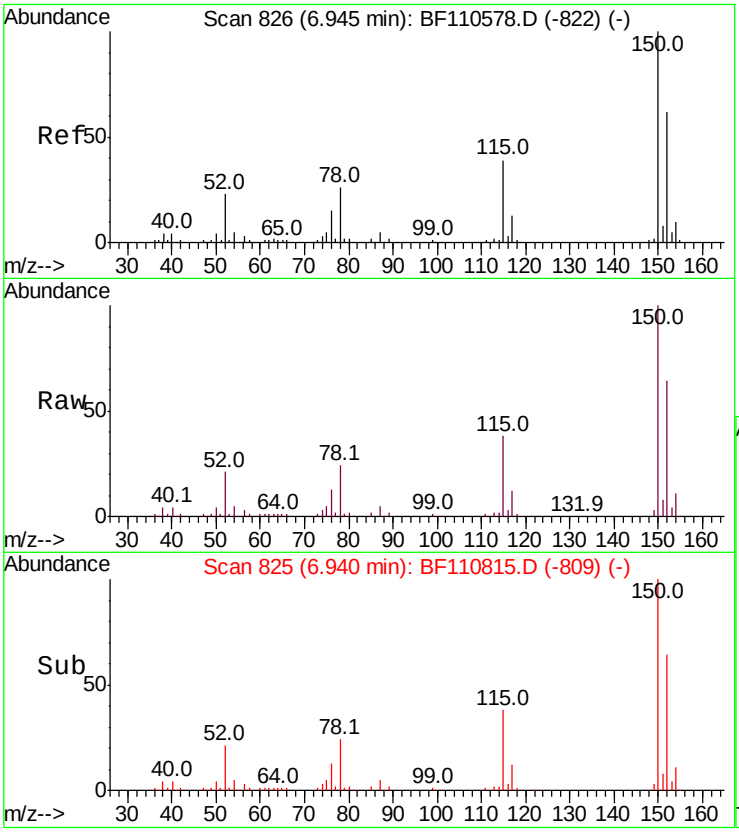
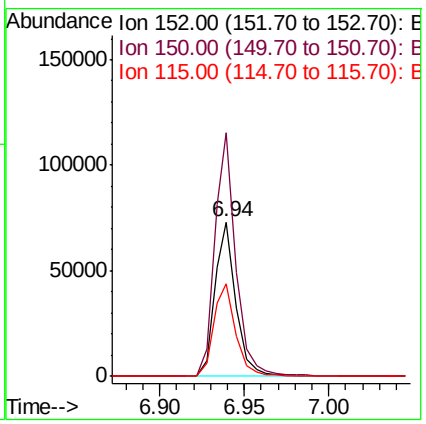





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:152 Resp: 63589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.5 | 122.7 | 184.1 |
| 115 | 60.2 | 49.1 | 73.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

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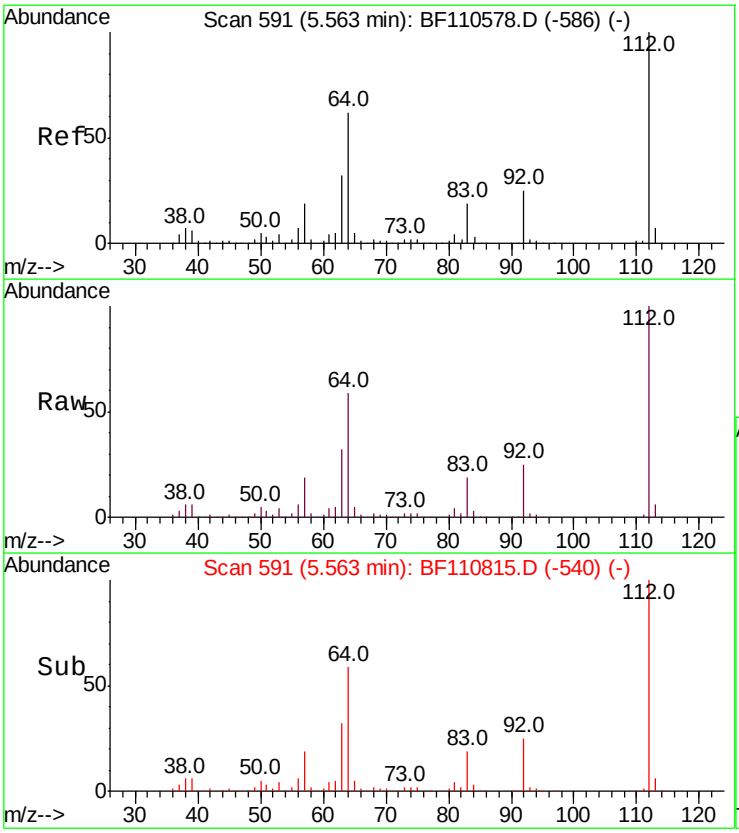
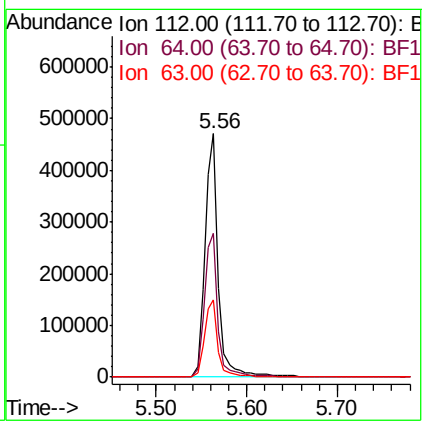
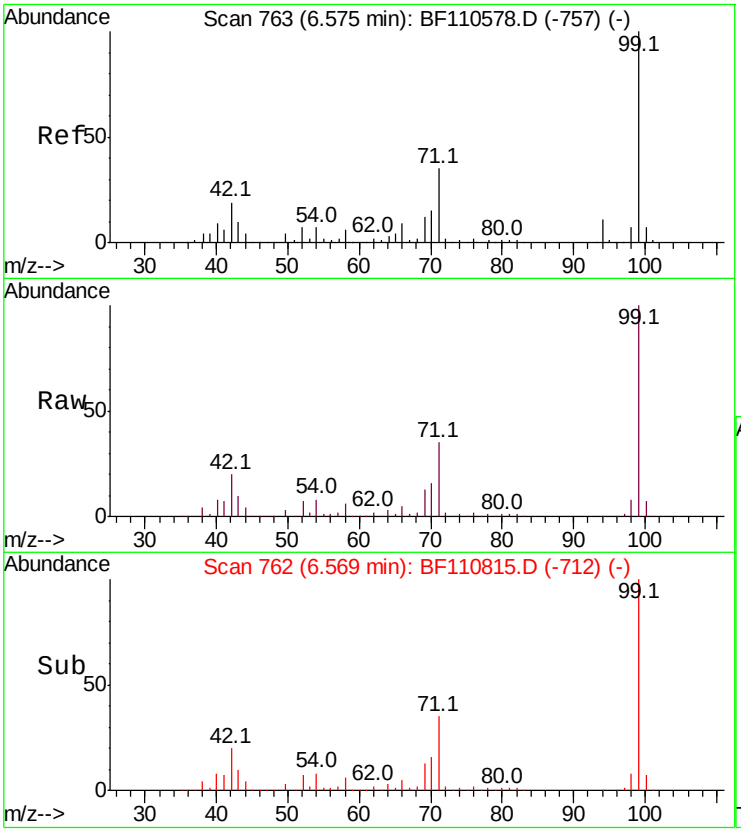



#5
2-Fluorophenol
Concen: 124.537 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:112 Resp: 487541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.1 | 44.1 | 66.1 |
| 63 | 31.7 | 23.7 | 35.5 |

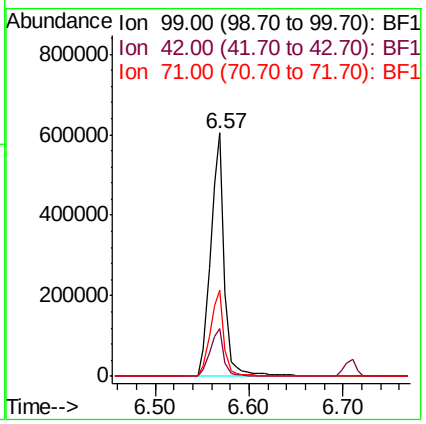





#7
Phenol-d6
Concen: 124.749 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion: 99 Resp: 624505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 15.8 | 23.6 |
| 71 | 35.5 | 28.0 | 42.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
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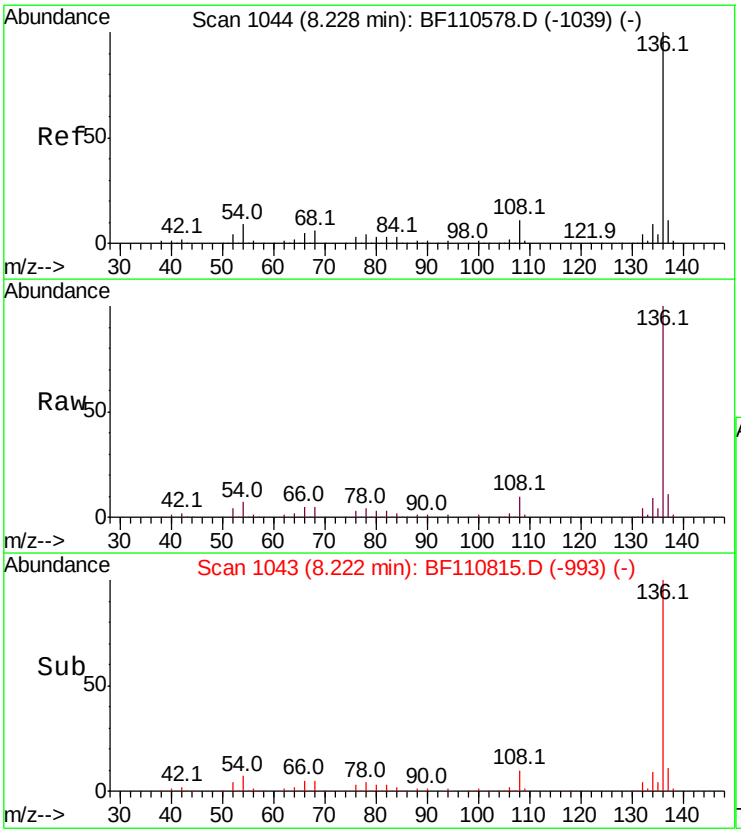
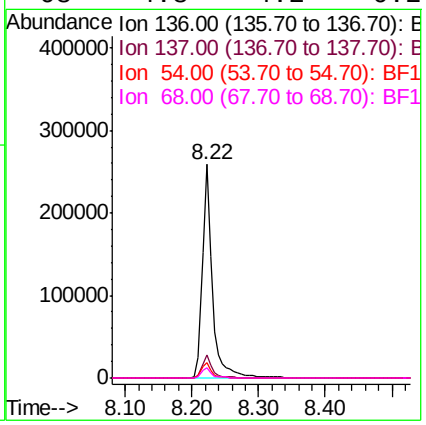
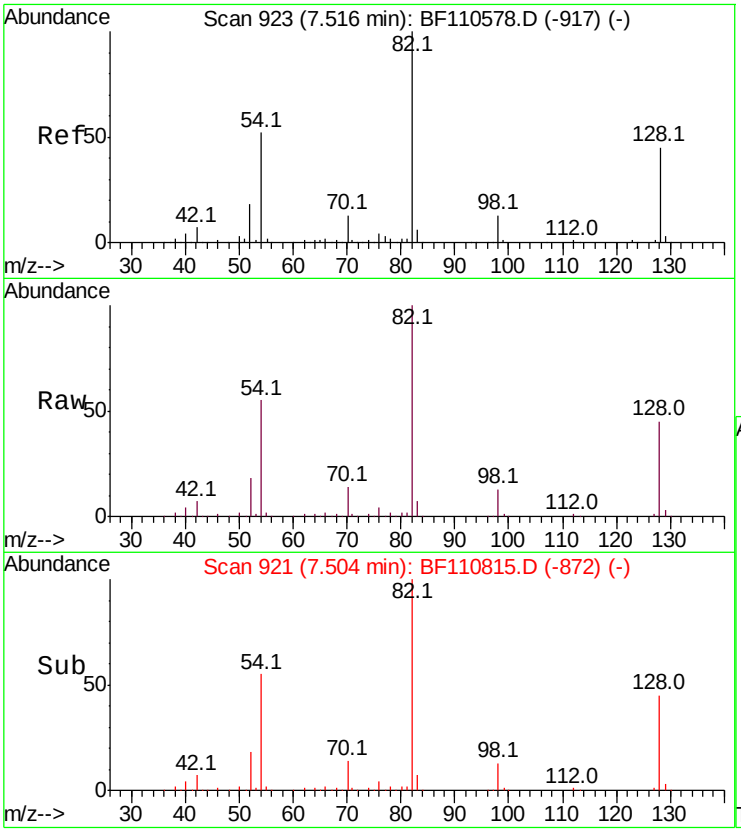



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:136 Resp: 265613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 7.4 | 5.4 | 8.2 |
| 68 | 4.8 | 4.2 | 6.2 |

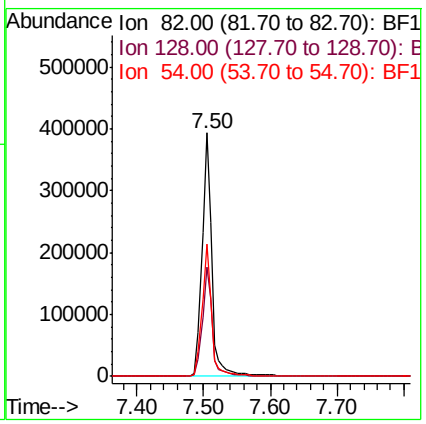





#23
Nitrobenzene-d5
Concen: 85.513 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion: 82 Resp: 394400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 34.2 | 51.2 |
| 54 | 54.6 | 38.6 | 58.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

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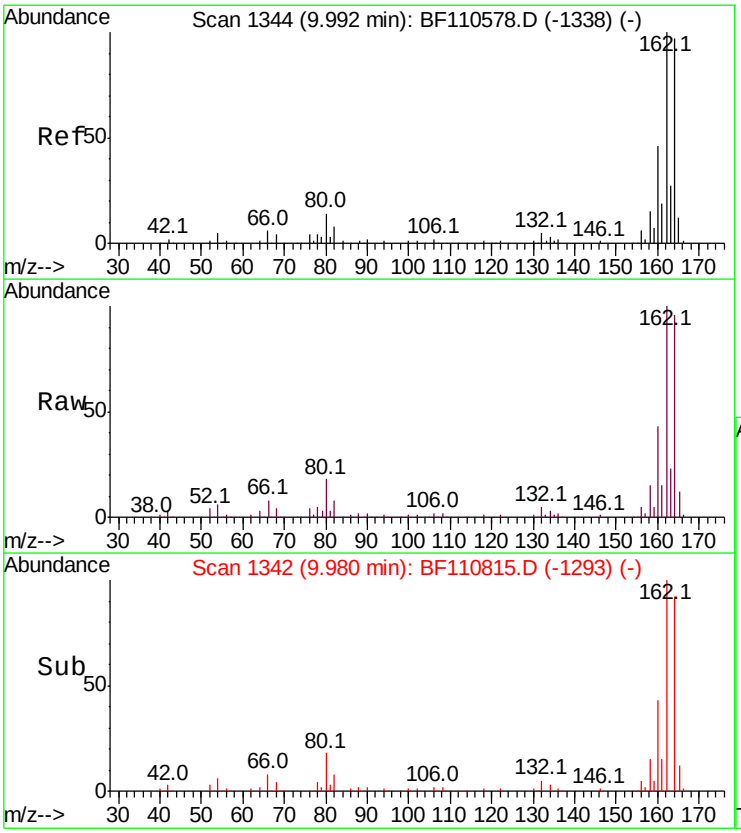
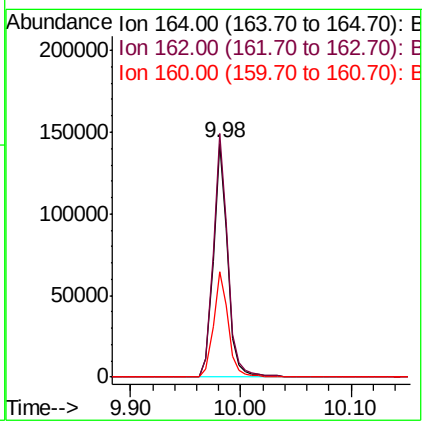
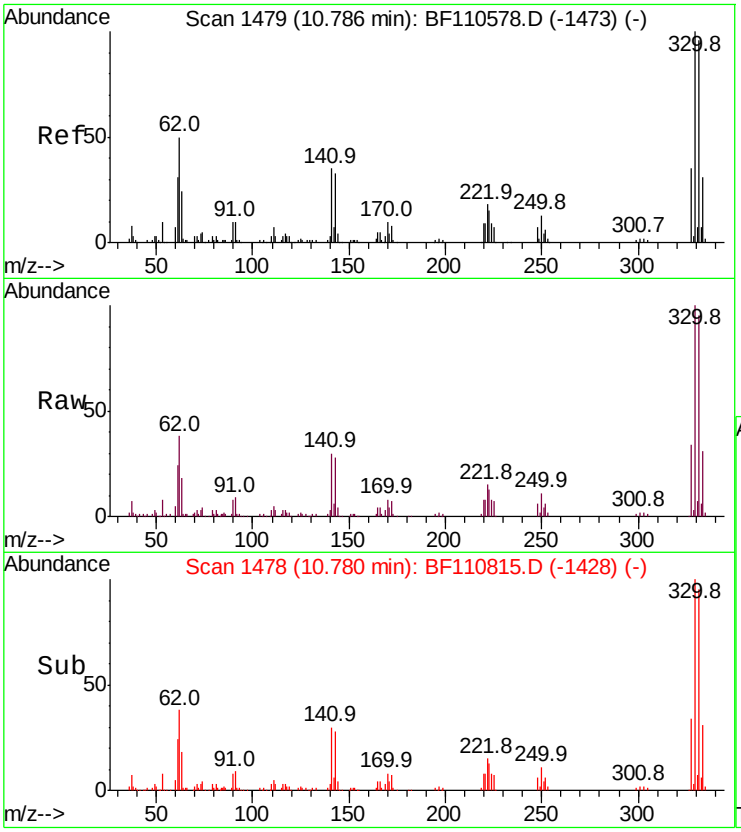



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:164 Resp: 127455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.2 | 83.0 | 124.6 |
| 160 | 45.1 | 37.0 | 55.6 |

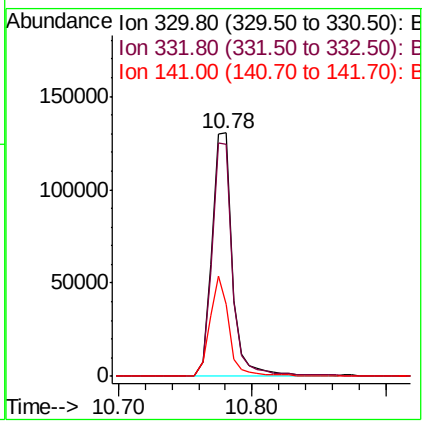





#42
2,4,6-Tribromophenol
Concen: 111.021 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:330 Resp: 142581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 77.1 | 115.7 |
| 141 | 38.3 | 27.0 | 40.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
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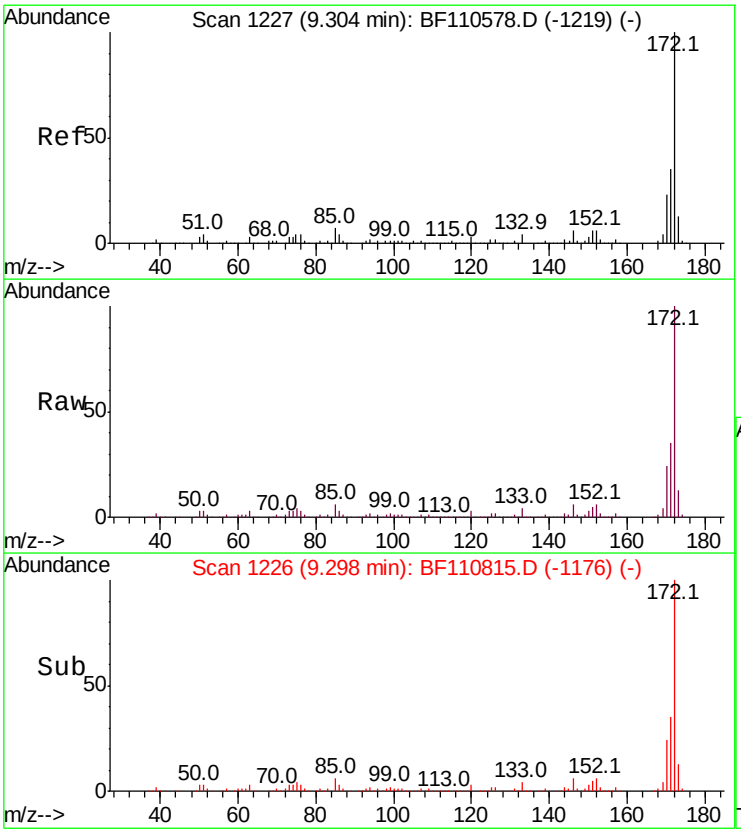
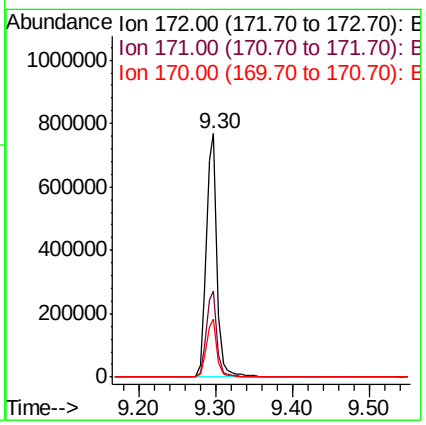
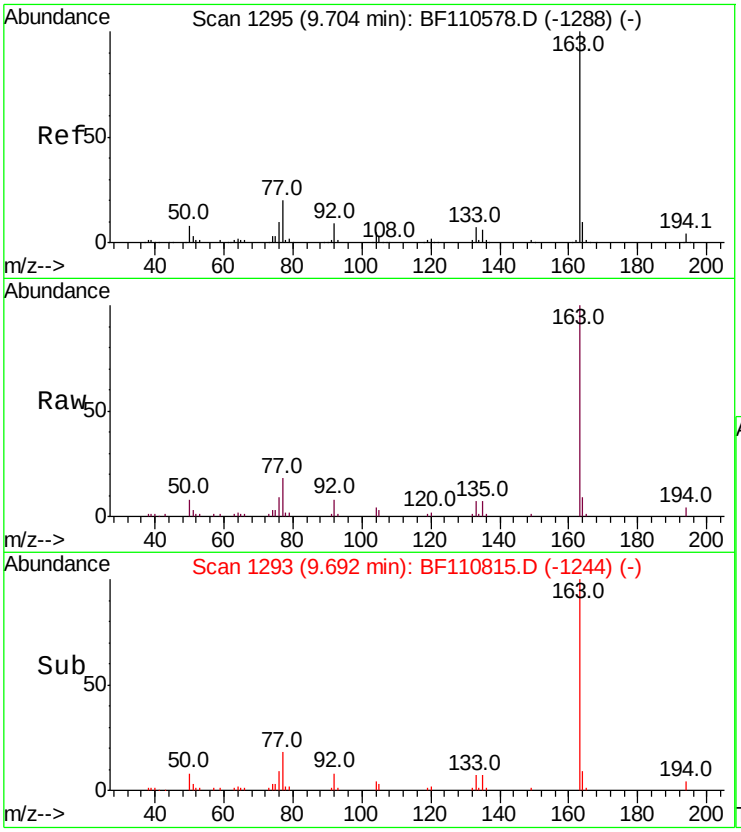



#45
2-Fluorobiphenyl
Concen: 82.640 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:172 Resp: 737503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.6 | 43.0 |
| 170 | 23.7 | 19.7 | 29.5 |

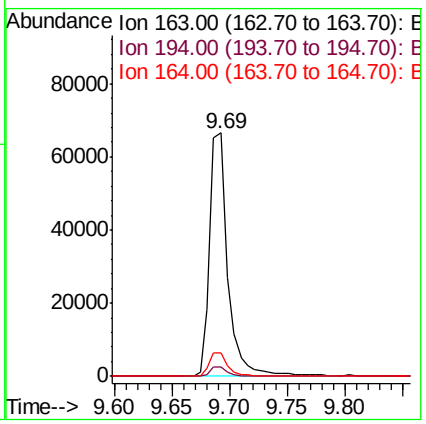





#50
Dimethylphthalate
Concen: 7.681 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:163 Resp: 73053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.2 | 4.8 |
| 164 | 9.5 | 8.1 | 12.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
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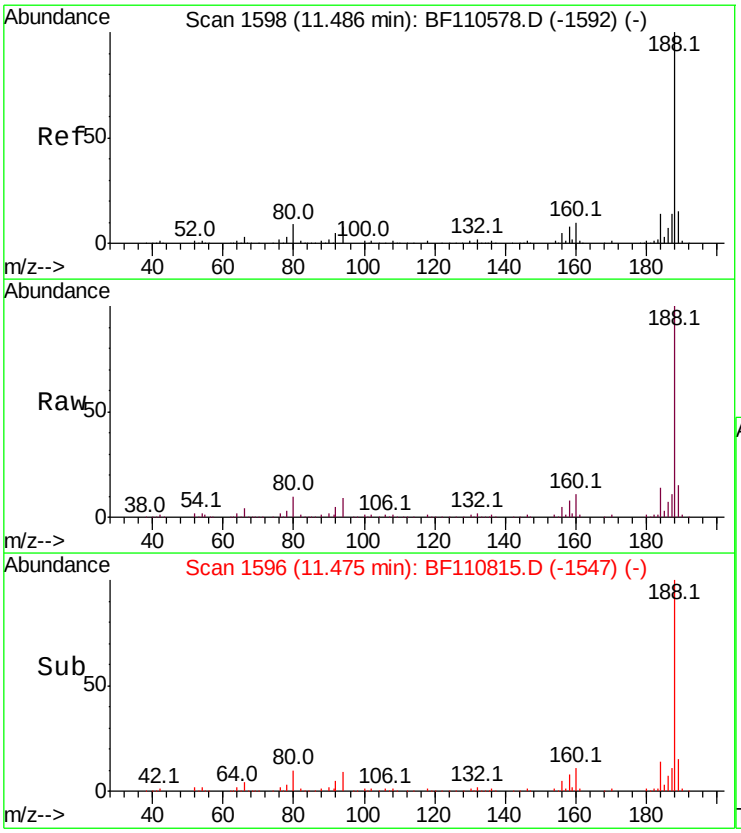
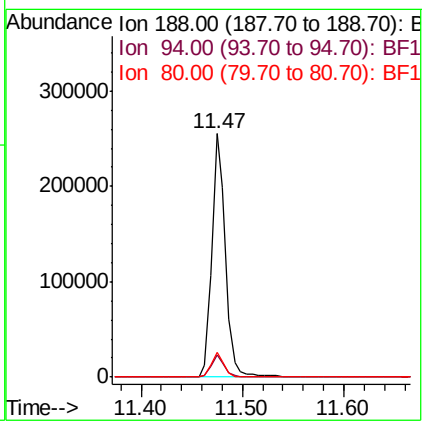
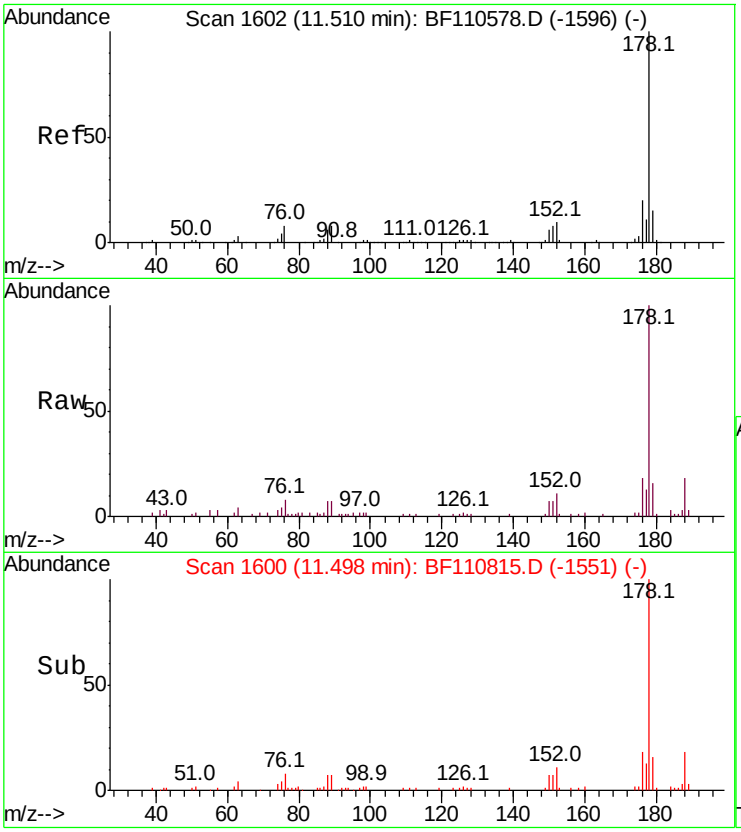



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:188 Resp: 236931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.2 | 7.2 | 10.8 |
| 80 | 10.1 | 7.9 | 11.9 |

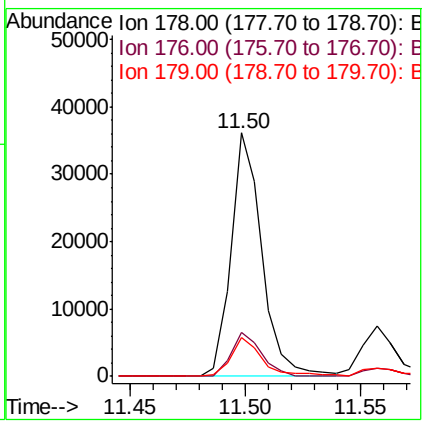





#71
Phenanthrene
Concen: 2.660 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:178 Resp: 33770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.5 | 23.3 |
| 179 | 15.9 | 12.5 | 18.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
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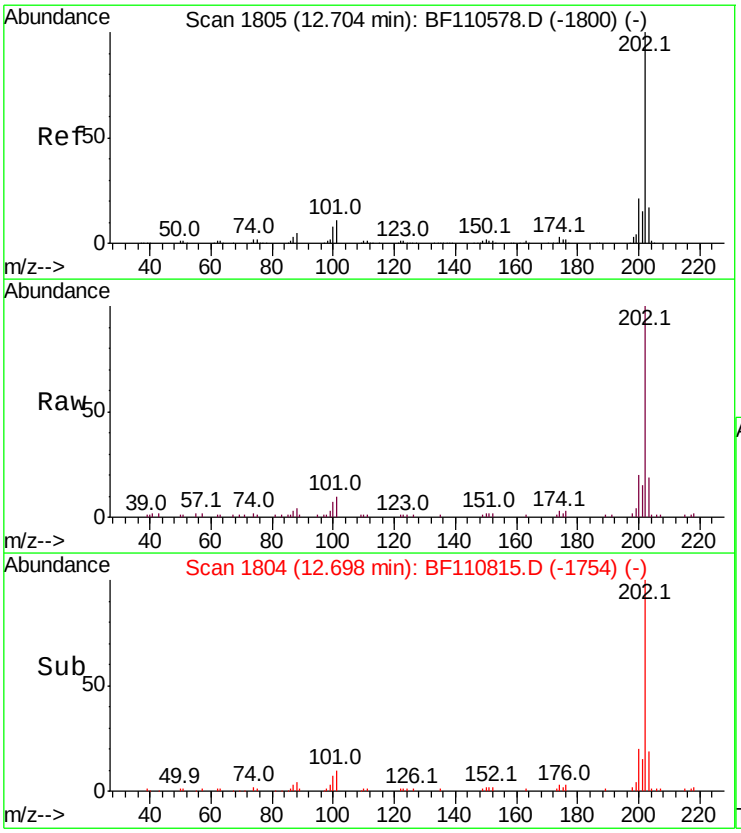
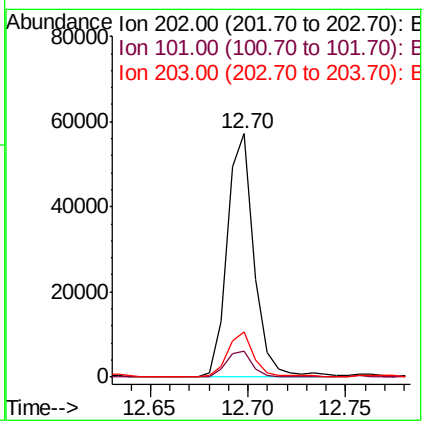
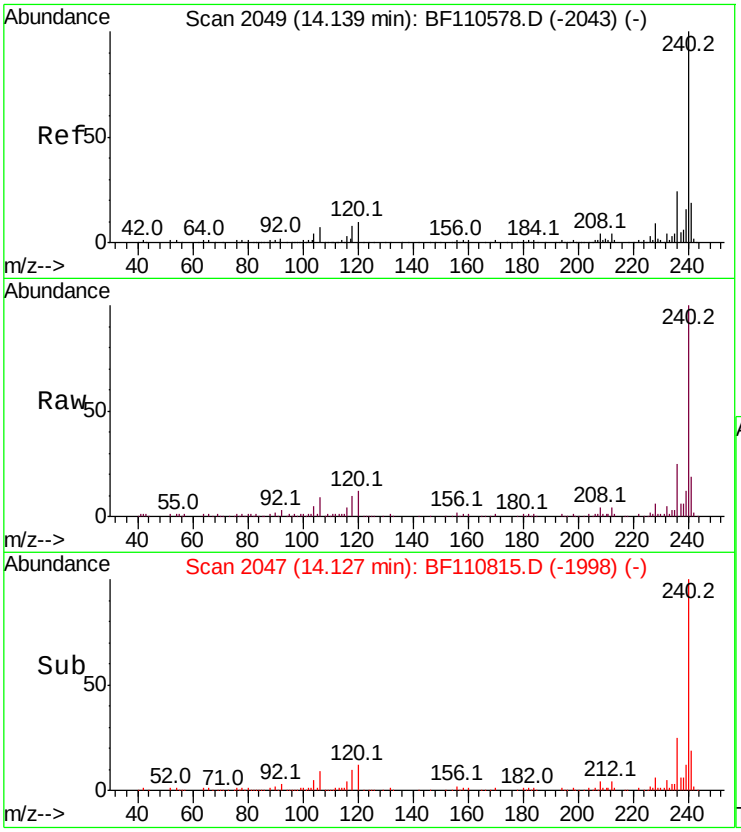



#75
Fluoranthene
Concen: 4.294 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:202 Resp: 54644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.4 | 0.0 | 31.4 |
| 203 | 18.6 | 0.0 | 37.7 |

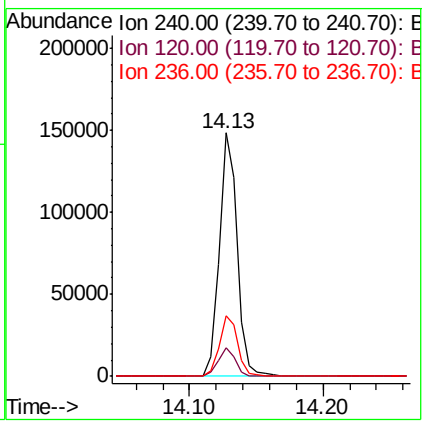





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:240 Resp: 140861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.6 | 8.3 | 12.5 |
| 236 | 24.8 | 21.2 | 31.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
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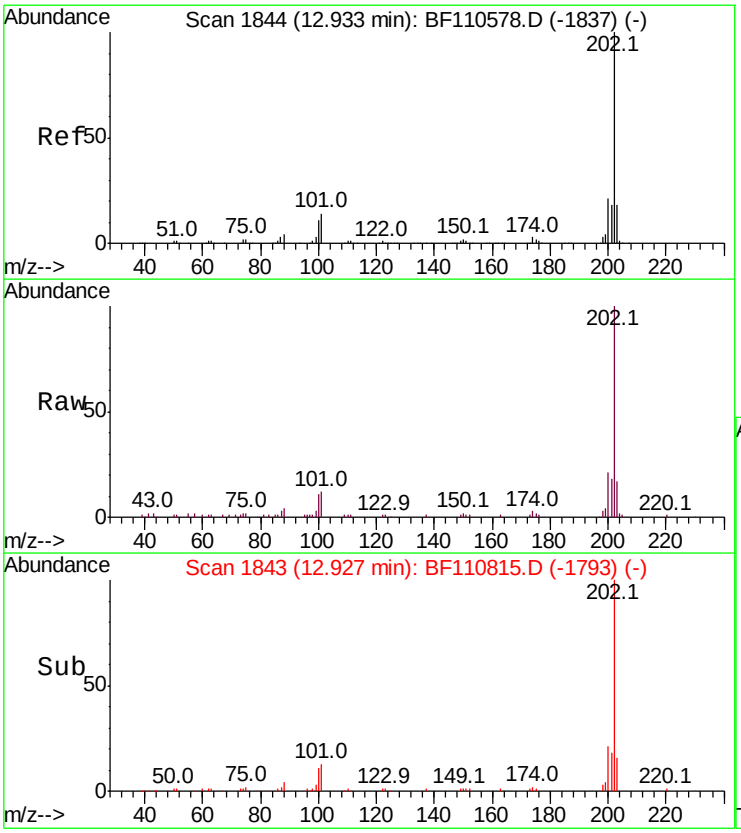
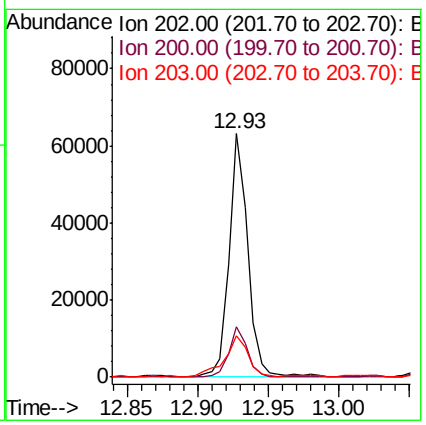
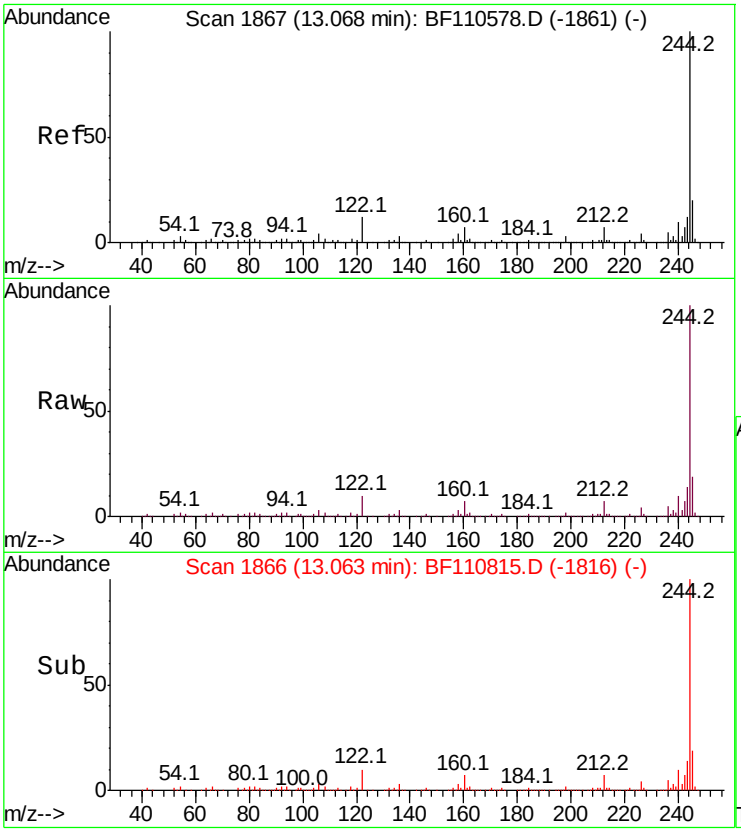



#78
Pyrene
Concen: 5.397 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:202 Resp: 58541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.8 | 26.6 |
| 203 | 17.0 | 14.2 | 21.4 |

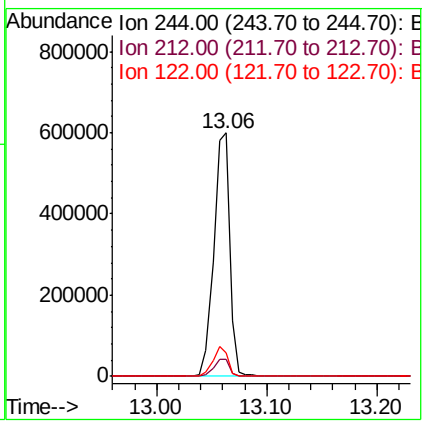





#79
Terphenyl-d14
Concen: 79.284 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:244 Resp: 596337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.8 | 8.8 |
| 122 | 9.8 | 8.7 | 13.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
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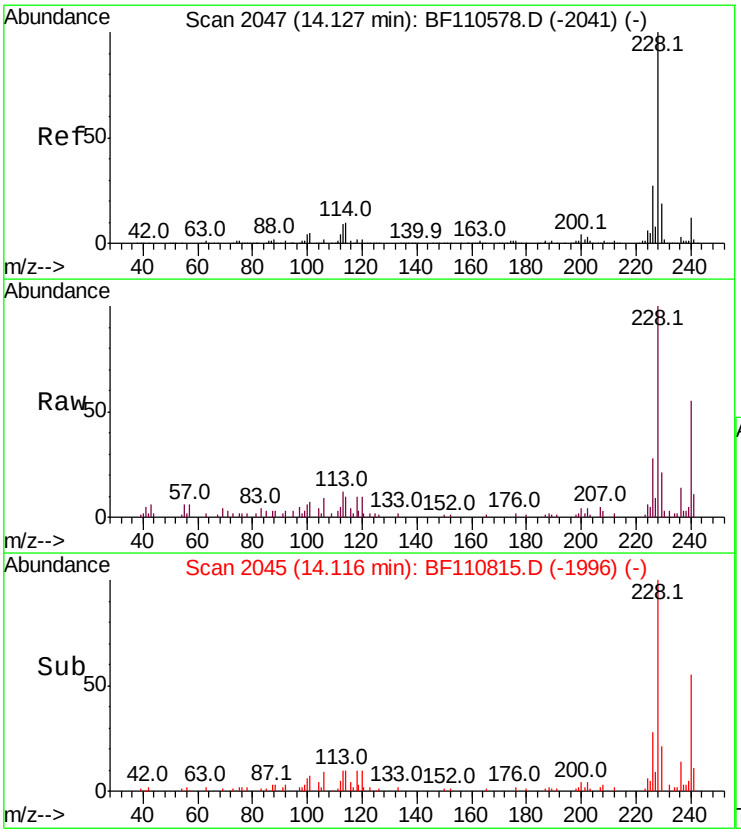
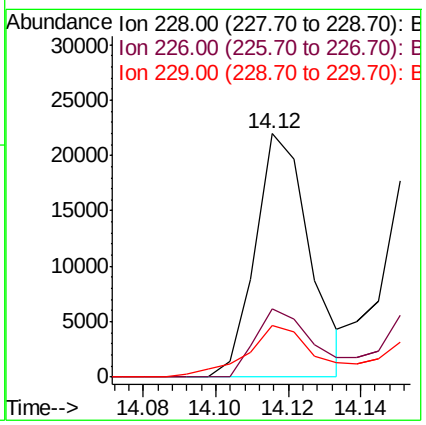
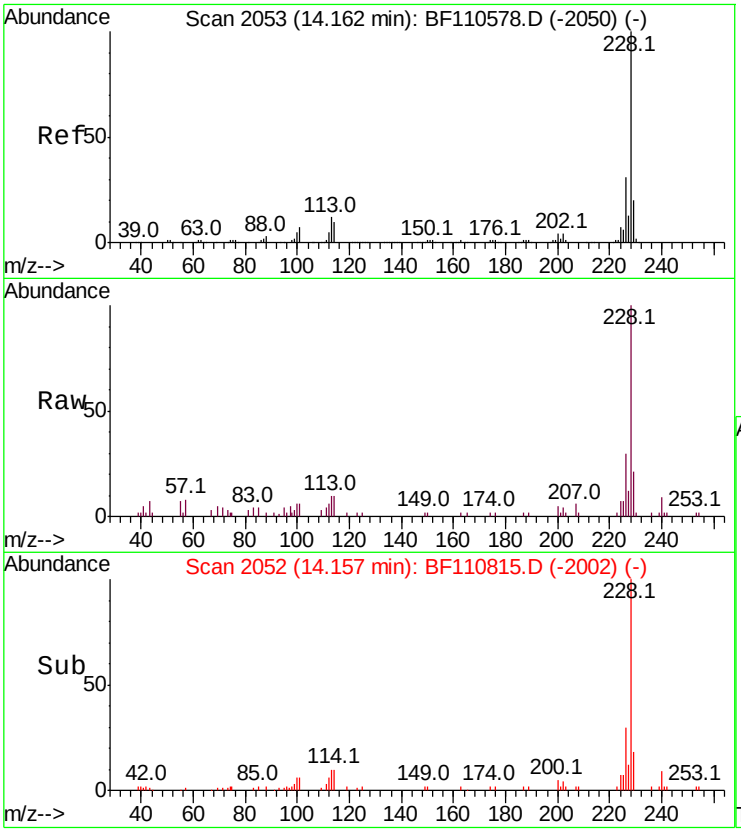



#81
Benzo(a)anthracene
Concen: 2.723 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:228 Resp: 22930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 22.1 | 33.1 |
| 229 | 21.2 | 15.6 | 23.4 |

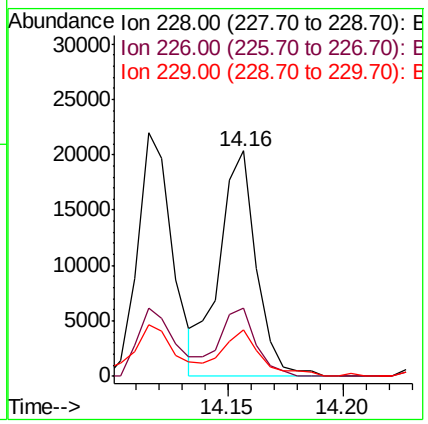





#83
Chrysene
Concen: 2.848 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

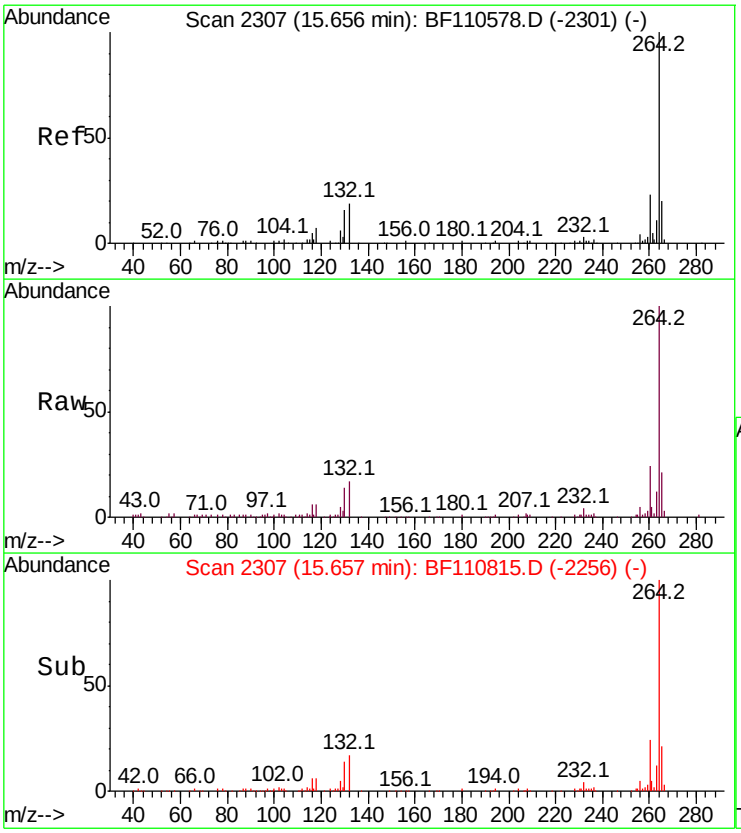
Tgt Ion:228 Resp: 22845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.7 | 37.1 |
| 229 | 20.5 | 15.9 | 23.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

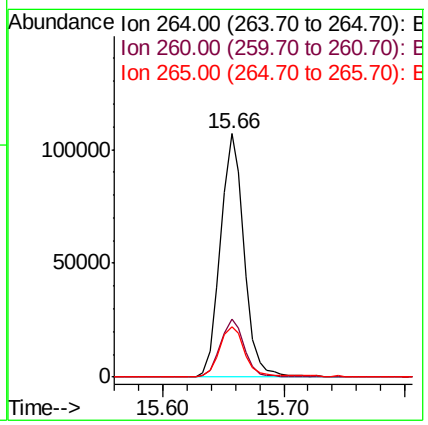
**Manual Integrations APPROVED**
Sohil
11/19/2018 3:48:10 PM

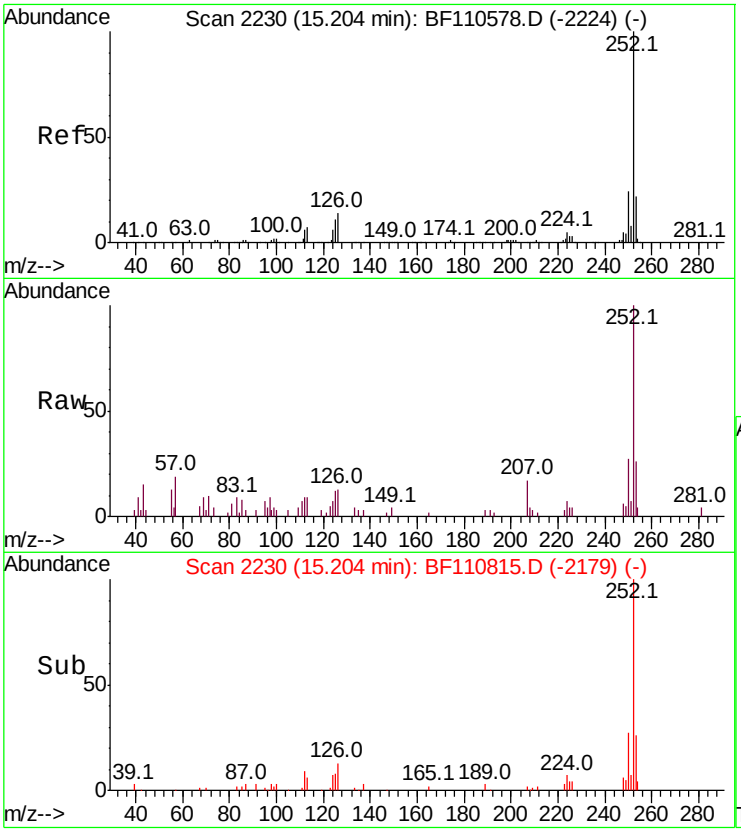



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:264 Resp: 144611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 18.7 | 28.1 |
| 265 | 20.7 | 16.7 | 25.1 |

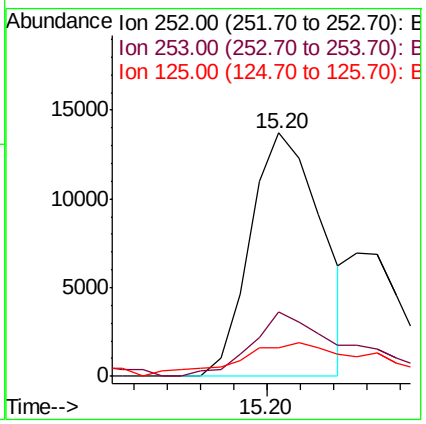





#88
Benzo(b)fluoranthene
Concen: 2.366 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

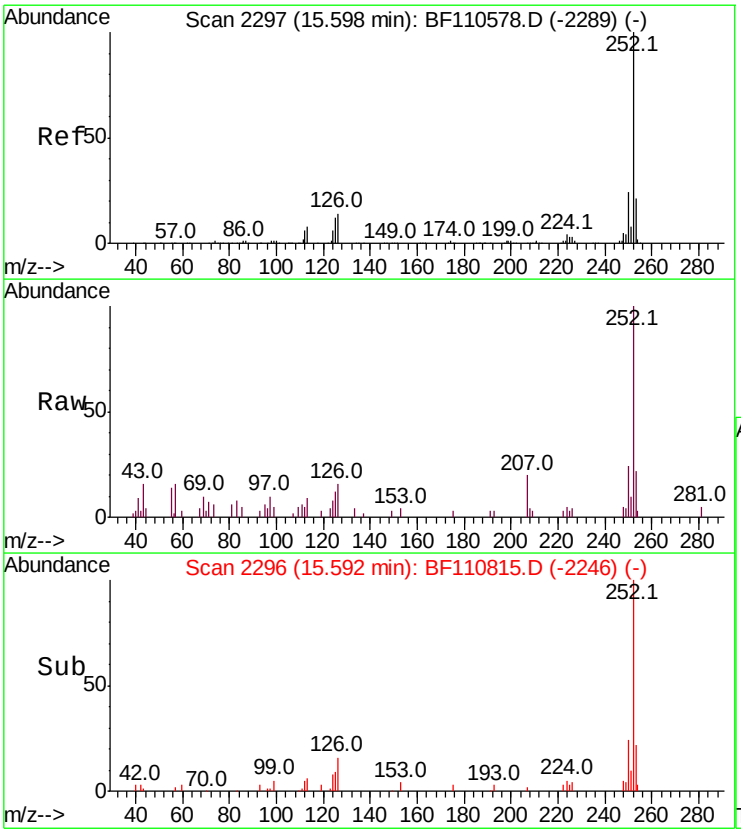
Tgt Ion:252 Resp: 20465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 17.2 | 25.8# |
| 125 | 11.7 | 8.2 | 12.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
LR-RBR-200029

**Manual Integrations APPROVED**
Sohil
11/19/2018 3:48:10 PM




#90
Benzo(a)pyrene
Concen: 2.079 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:252 Resp: 16345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 18.2 | 27.4 |
| 125 | 12.1 | 9.0 | 13.6 |