Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
Data File : BM018282.D
Acq On : 18 Dec 2018 21:48
Operator : JU/SJ
Sample : J6340-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SB-10A

Quant Time: Dec 19 03:49:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:39:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.49 | 152 | 147093 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.25 | 136 | 546827 | 20.00 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.14 | 164 | 266338 | 20.00 | ng | -0.02 |
| 64) Phenanthrene-d10 | 16.91 | 188 | 461432 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 21.13 | 240 | 456051 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 23.29 | 264 | 525926 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.12 | 112 | 1303329 | 148.01 | ng | 0.00 |
| 7) Phenol-d6 | 6.69 | 99 | 1757580 | 143.61 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 8.65 | 82 | 1117385 | 104.81 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.66 | 330 | 429355 | 109.83 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 12.75 | 172 | 2049170 | 99.65 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.56 | 244 | 1824991 | 90.50 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 10) Phenol | 6.72 | 94 | 82330 | 6.352 | ng | 93 |
| 50) Dimethylphthalate | 13.62 | 163 | 206705 | 9.335 | ng | 97 |
| 71) Phenanthrene | 16.95 | 178 | 117083 | 4.671 | ng | 99 |
| 75) Fluoranthene | 18.98 | 202 | 196355 | 6.738 | ng | 99 |
| 78) Pyrene | 19.35 | 202 | 179159 | 6.593 | ng | 99 |
| 81) Benzo(a)anthracene | 21.12 | 228 | 103376 | 3.880 | ng | 99 |
| 83) Chrysene | 21.17 | 228 | 98315 | 3.837 | ng | 97 |
| 88) Benzo(b)fluoranthene | 22.66 | 252 | 103175 | 3.492 | ng | 93 |
| 90) Benzo(a)pyrene | 23.20 | 252 | 63432 | 2.258 | ng | 94 |

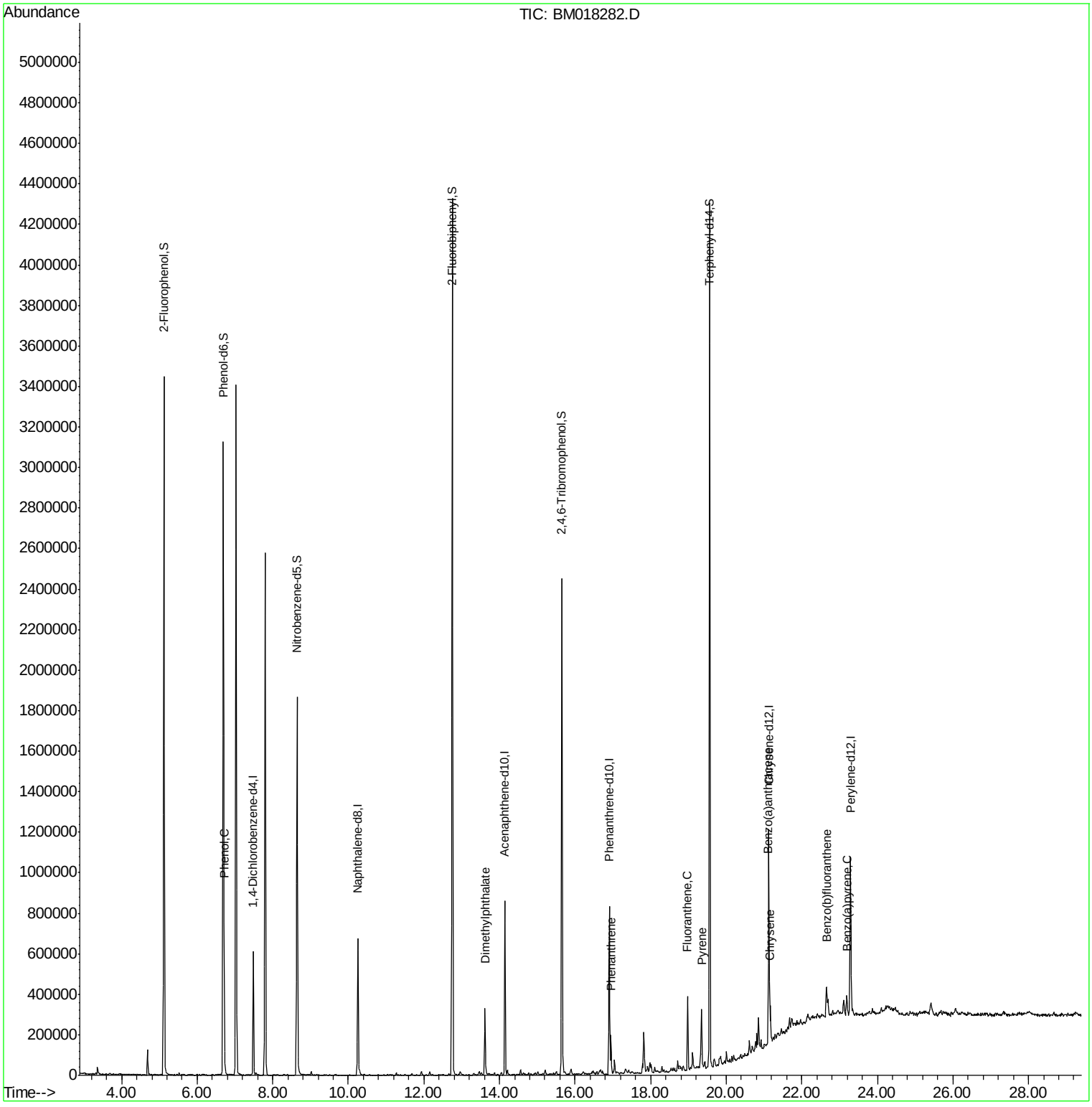
(#) = qualifier out of range (m) = manual integration (+) = signals summed

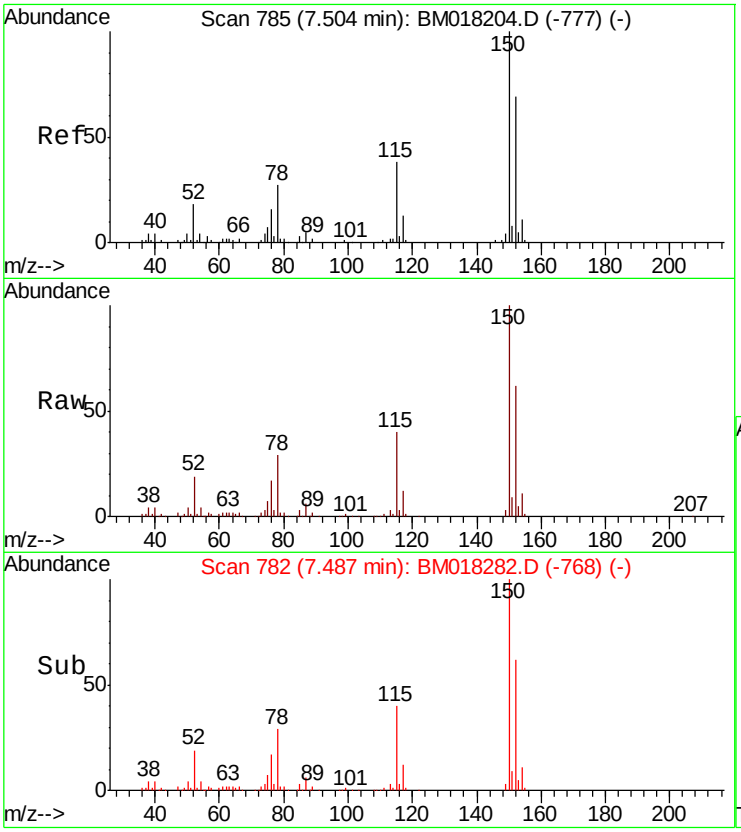
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
Data File : BM018282.D
Acq On : 18 Dec 2018 21:48
Operator : JU/SJ
Sample : J6340-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Quant Time: Dec 19 03:49:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:39:37 2018
Response via : Initial Calibration



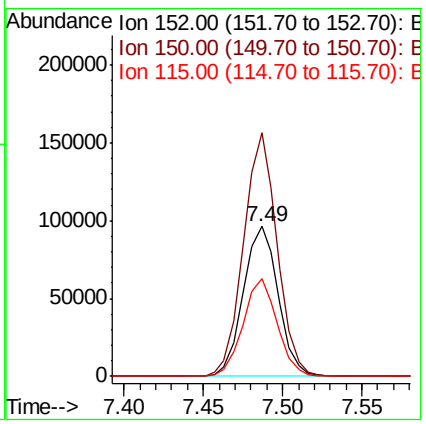


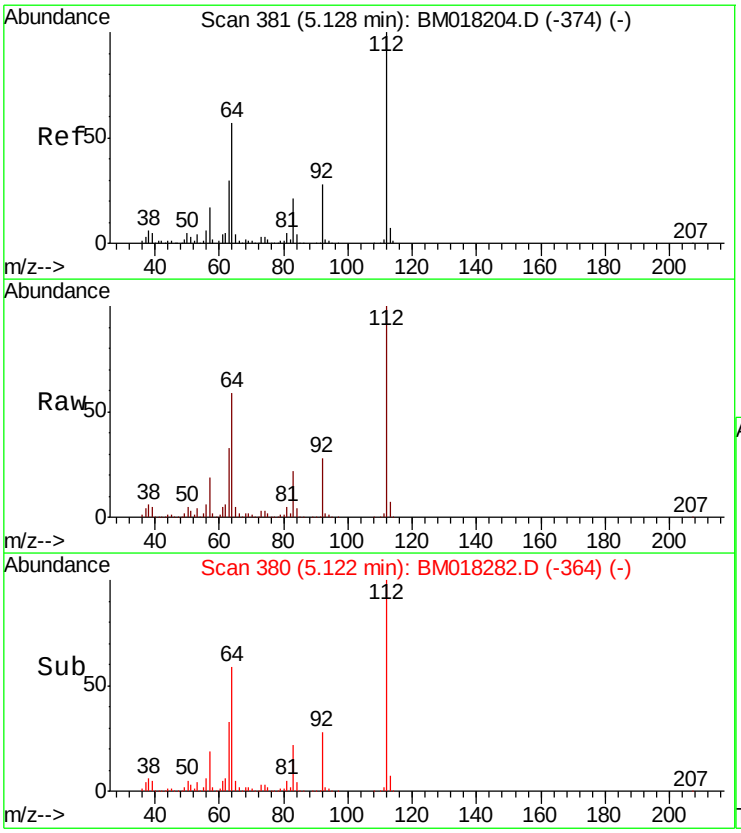

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:152 Resp: 147093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.3 | 116.1 | 174.1 |
| 115 | 65.2 | 44.6 | 67.0 |

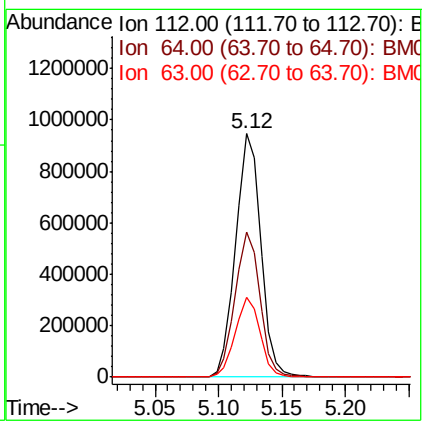


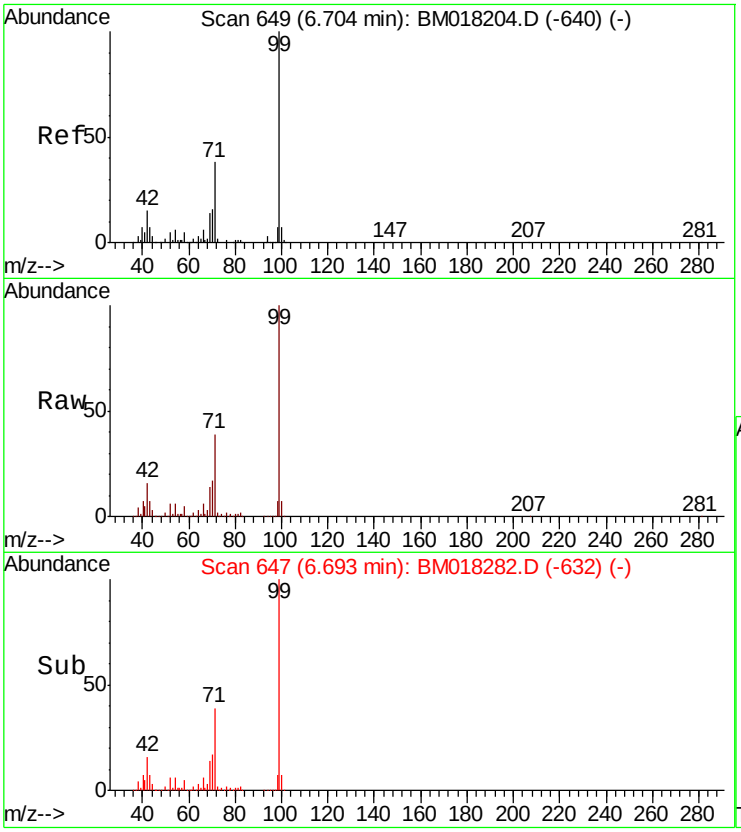




#5
2-Fluorophenol
Concen: 148.015 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:112 Resp: 1303329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.5 | 45.4 | 68.2 |
| 63 | 33.0 | 24.0 | 36.0 |



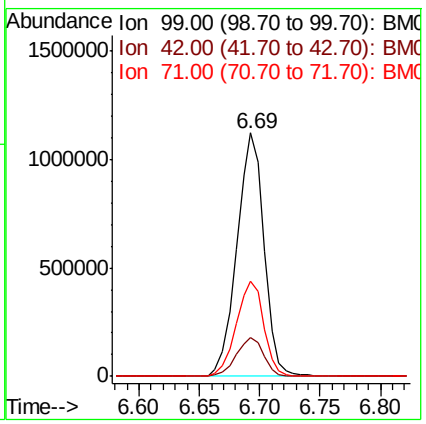


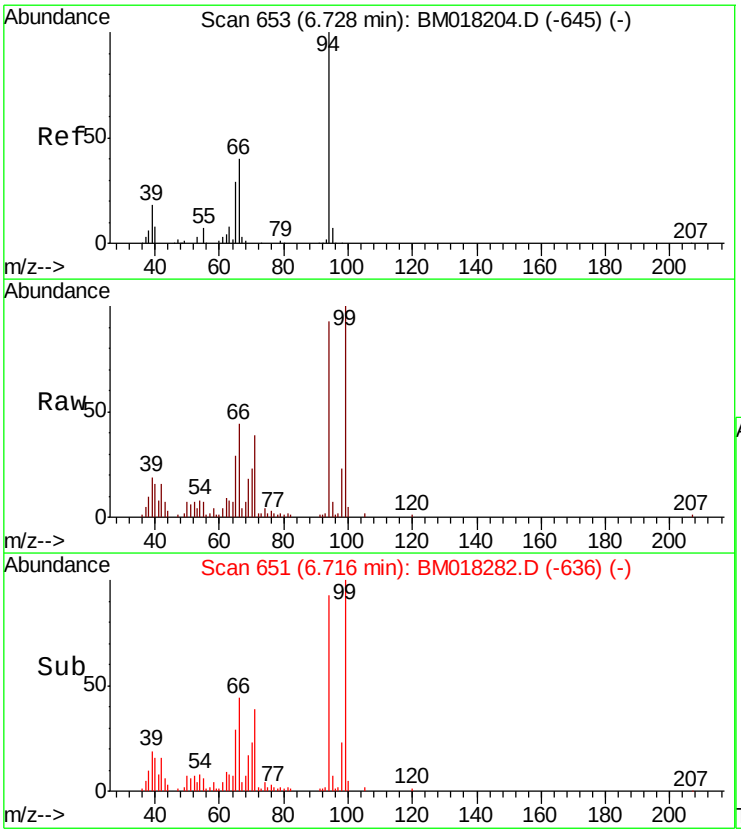

#7
Phenol-d6
Concen: 143.607 ng
RT: 6.69 min Scan# 647
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion: 99 Resp: 1757580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.8 | 12.3 | 18.5 |
| 71 | 38.9 | 30.2 | 45.2 |

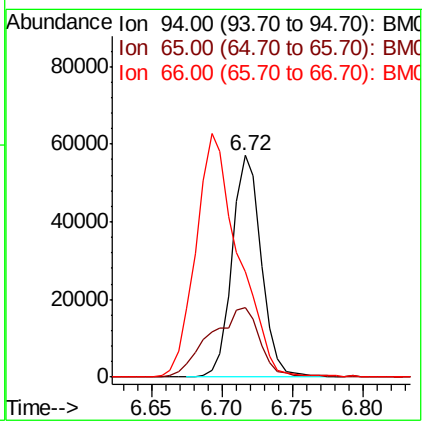


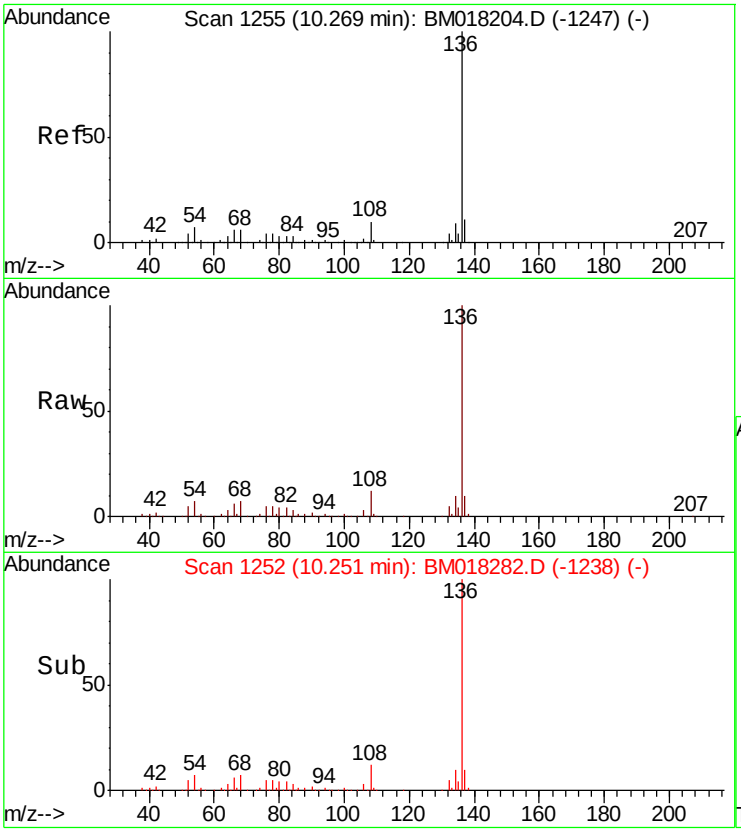




#10
Phenol
Concen: 6.352 ng
RT: 6.72 min Scan# 651
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion: 94 Resp: 82330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.4 | 9.5 | 49.5 |
| 66 | 47.4 | 21.3 | 61.3 |



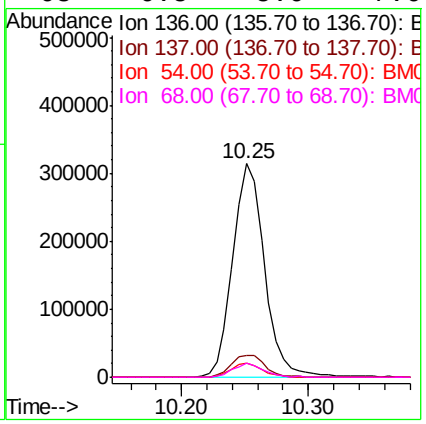


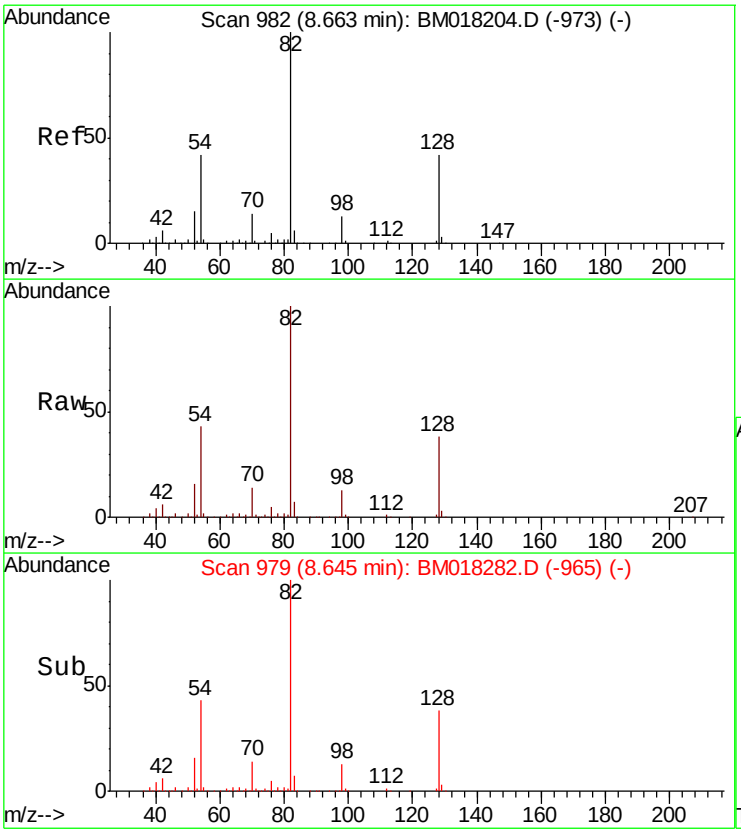

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:136 Resp: 546827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 9.2 | 13.8 |
| 54 | 6.6 | 5.2 | 7.8 |
| 68 | 6.5 | 5.0 | 7.6 |

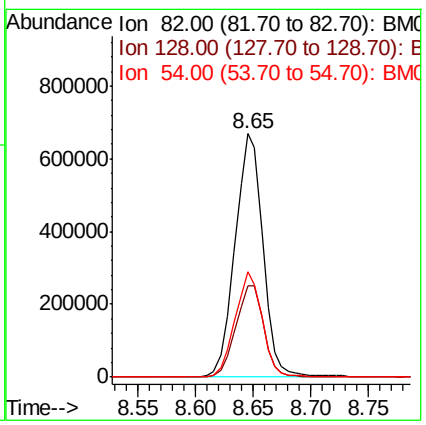


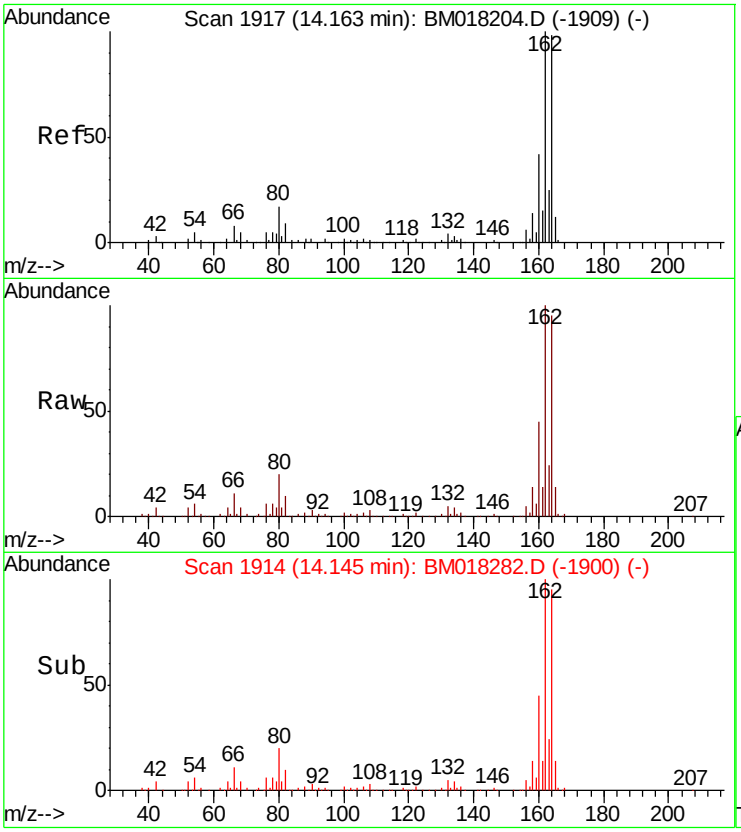




#23
Nitrobenzene-d5
Concen: 104.813 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion: 82 Resp: 1117385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.7 | 33.4 | 50.2 |
| 54 | 43.2 | 33.4 | 50.2 |



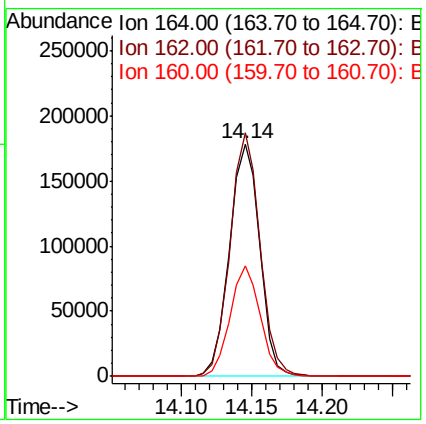


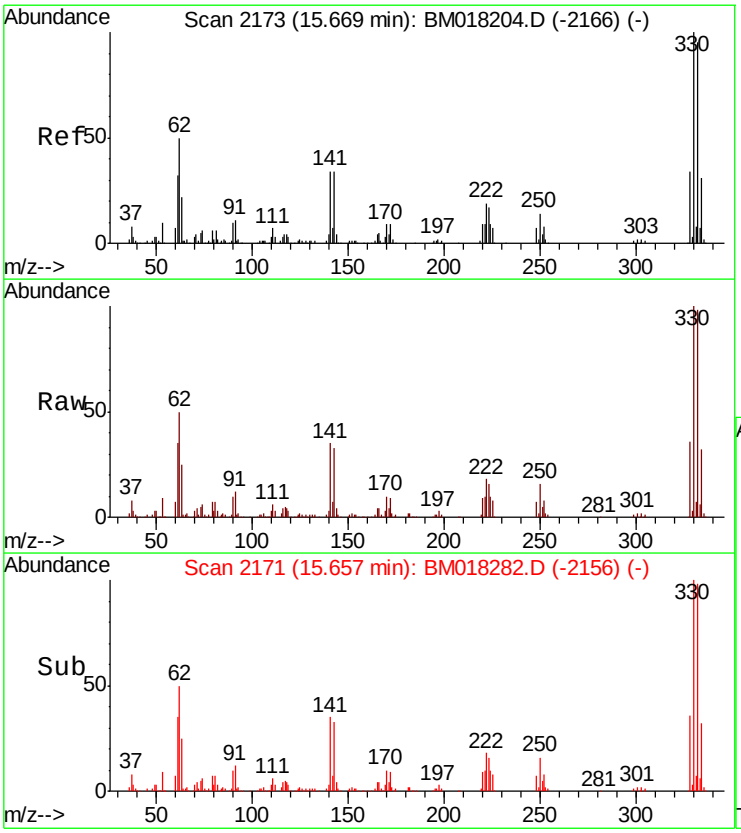

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:164 Resp: 266338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.8 | 81.8 | 122.6 |
| 160 | 47.6 | 34.6 | 51.8 |

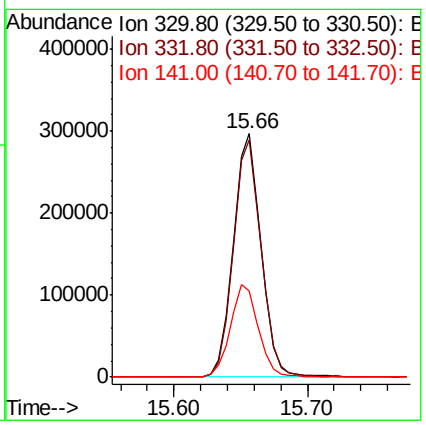


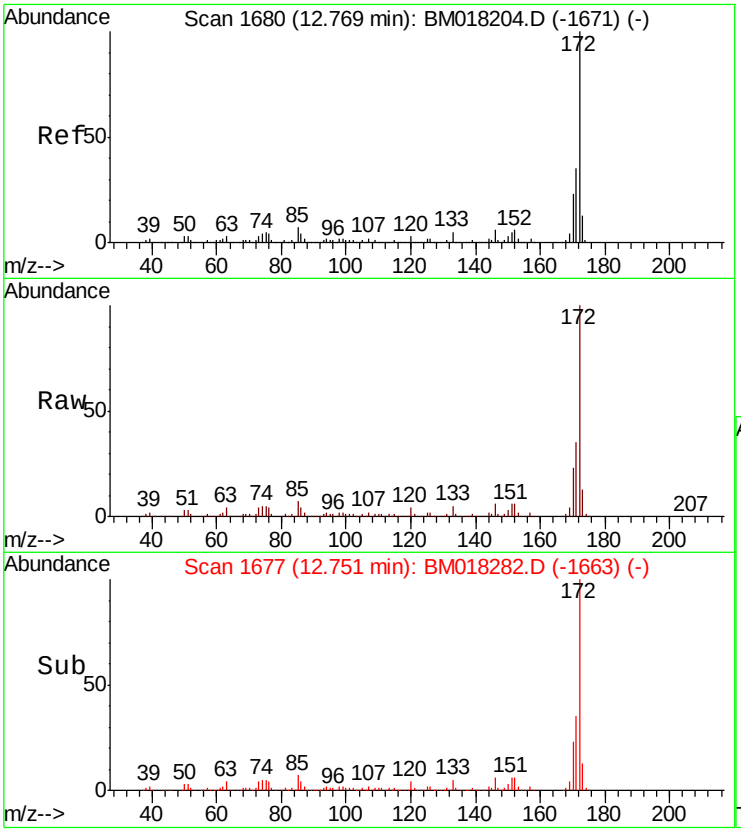




#42
2,4,6-Tribromophenol
Concen: 109.835 ng
RT: 15.66 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:330 Resp: 429355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 78.6 | 118.0 |
| 141 | 38.7 | 27.1 | 40.7 |



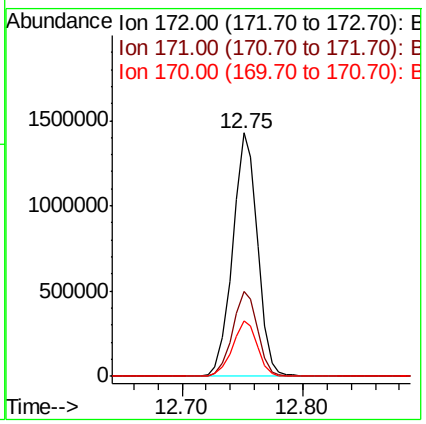


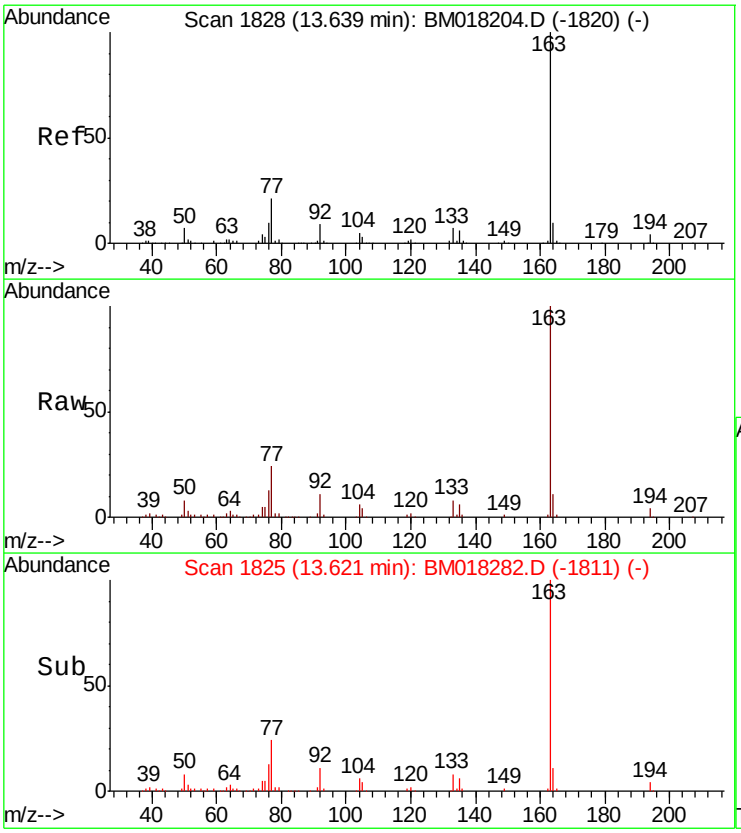

#45
2-Fluorobiphenyl
Concen: 99.654 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:172 Resp: 2049170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.3 | 42.5 |
| 170 | 22.5 | 18.1 | 27.1 |

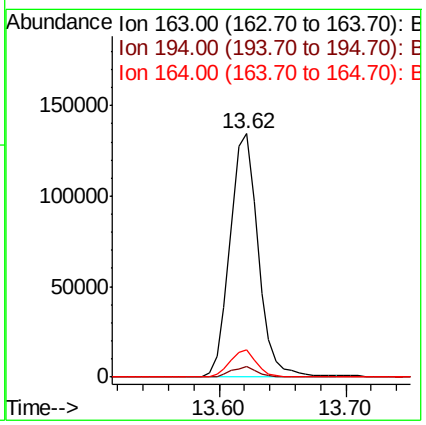


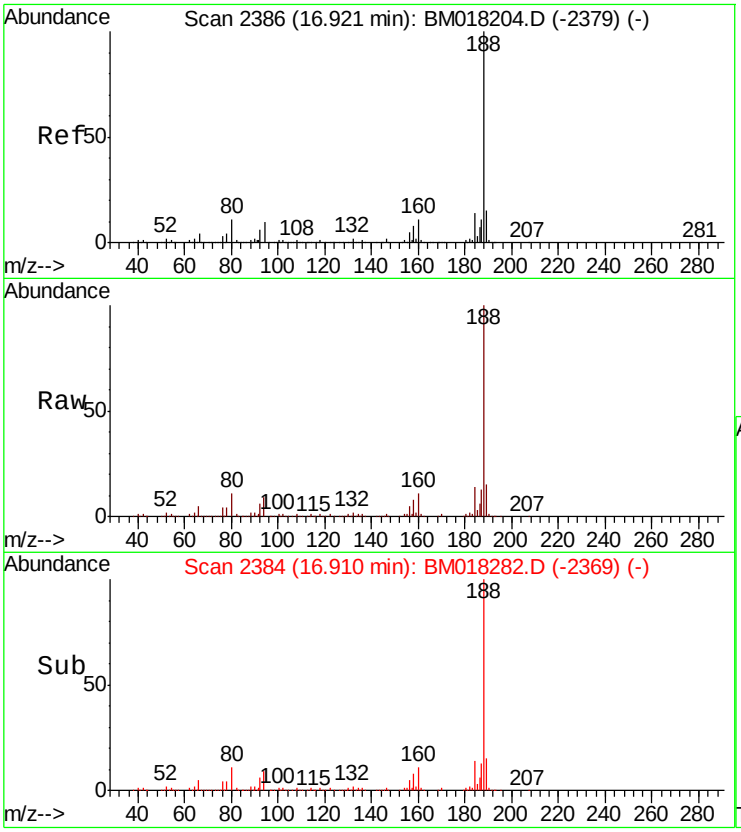




#50
Dimethylphthalate
Concen: 9.335 ng
RT: 13.62 min Scan# 1825
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:163 Resp: 206705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.1 | 4.7 |
| 164 | 11.4 | 7.9 | 11.9 |



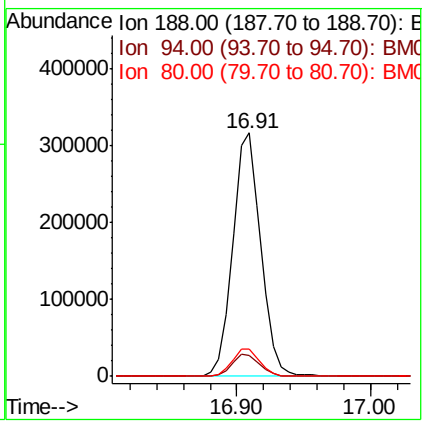


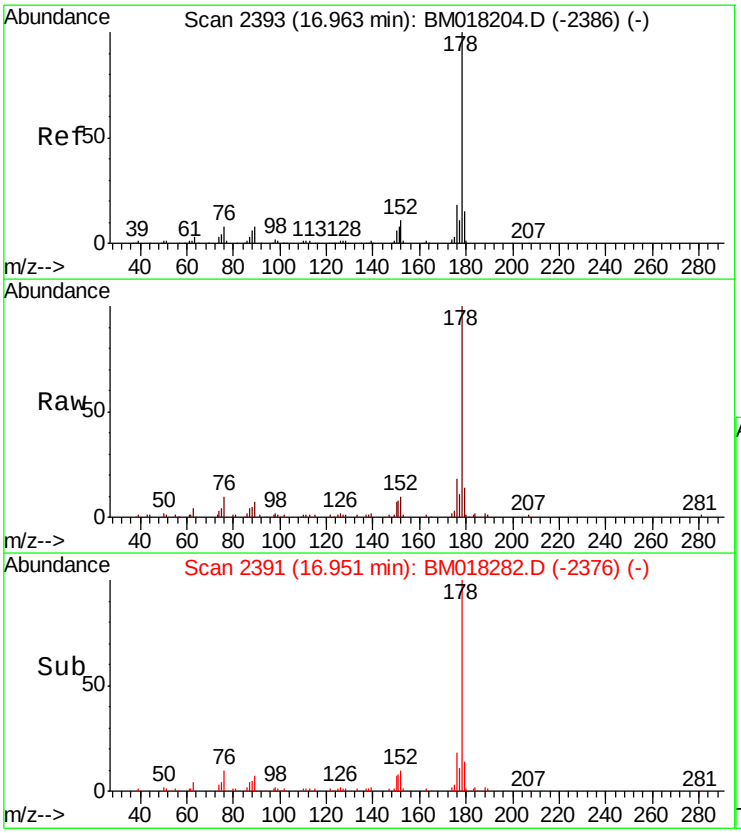

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:188 Resp: 461432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 8.0 | 12.0 |
| 80 | 11.2 | 9.0 | 13.6 |

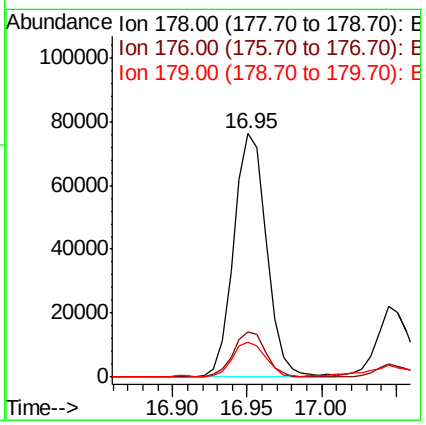


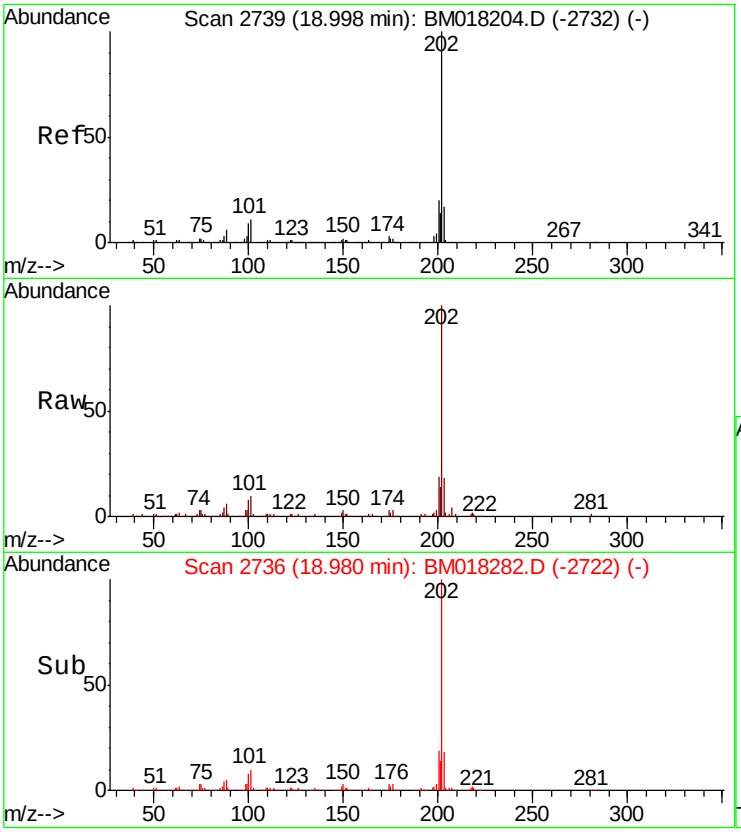




#71
Phenanthrene
Concen: 4.671 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:178 Resp: 117083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.7 | 22.1 |
| 179 | 14.4 | 12.0 | 18.0 |



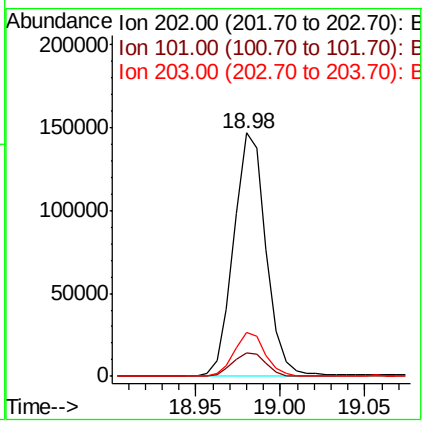


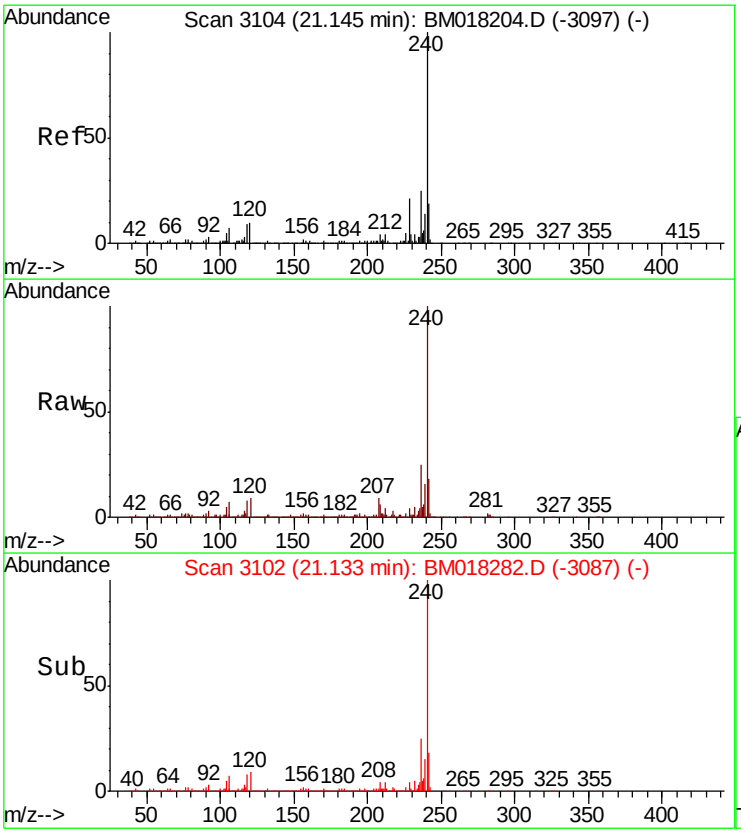

#75
Fluoranthene
Concen: 6.738 ng
RT: 18.98 min Scan# 2736
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:202 Resp: 196355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 30.5 |
| 203 | 17.9 | 0.0 | 37.5 |

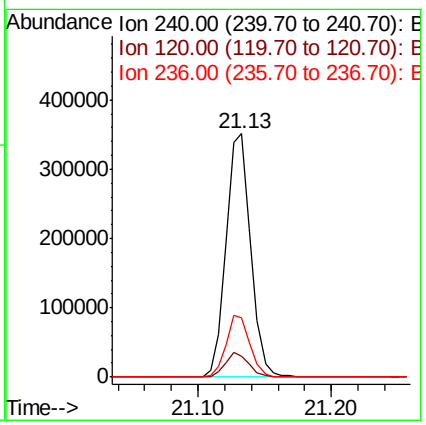


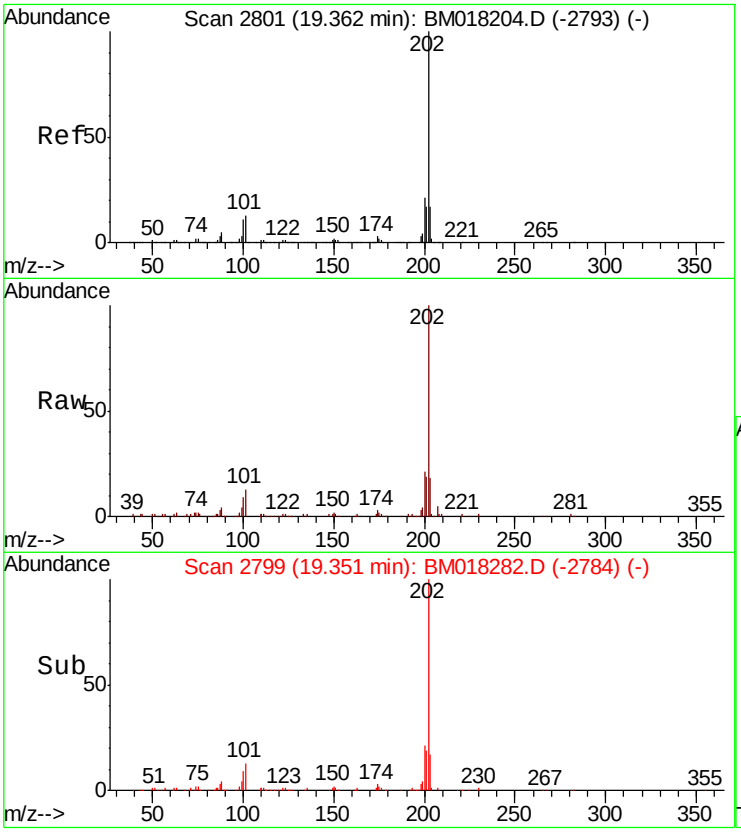




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:240 Resp: 456051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 8.2 | 12.2 |
| 236 | 24.6 | 20.3 | 30.5 |



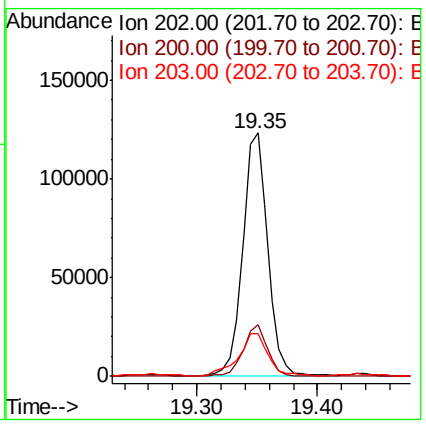


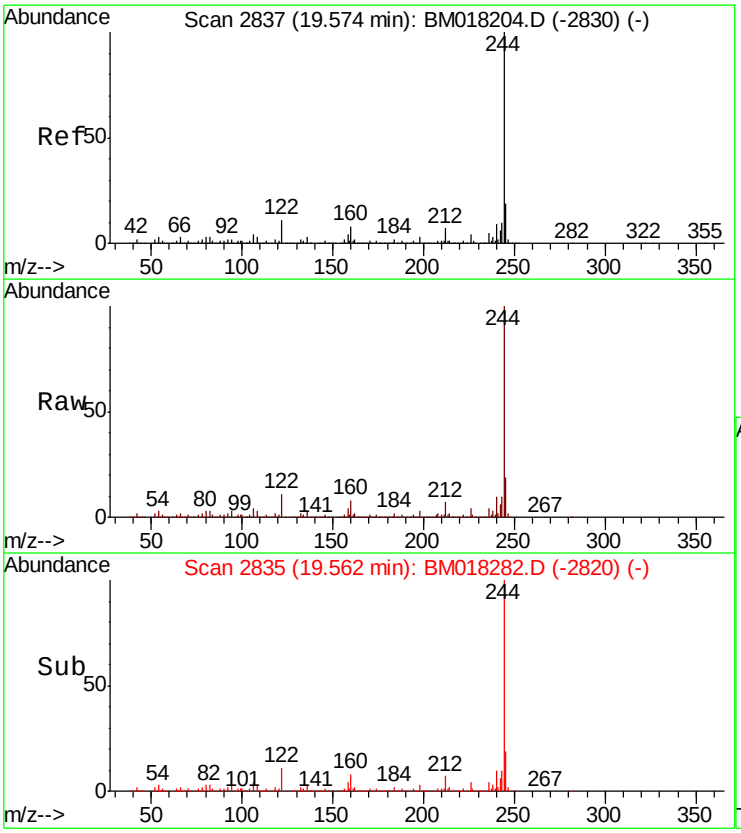

#78
Pyrene
Concen: 6.593 ng
RT: 19.35 min Scan# 2799
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:202 Resp: 179159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.5 | 24.7 |
| 203 | 17.7 | 14.0 | 21.0 |

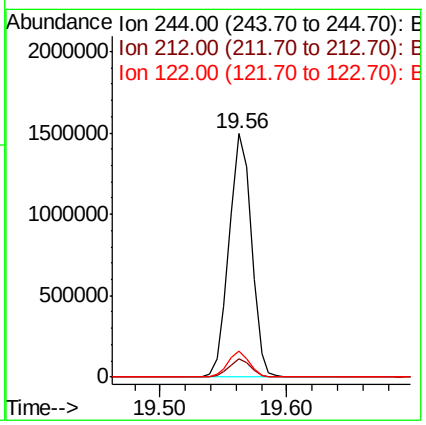


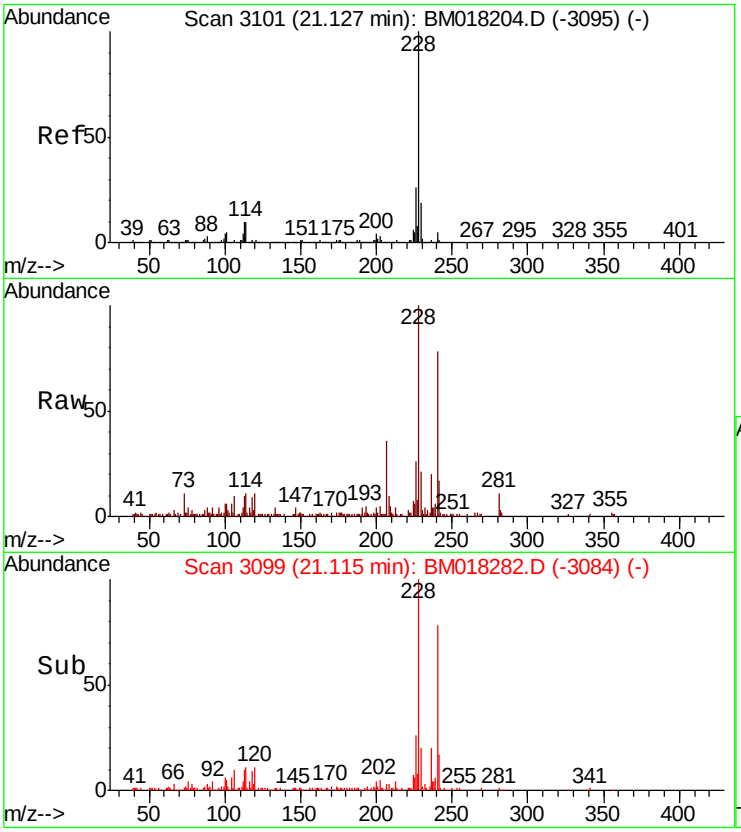




#79
Terphenyl-d14
Concen: 90.505 ng
RT: 19.56 min Scan# 2835
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:244 Resp: 1824991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.8 | 8.8 |
| 122 | 10.7 | 9.0 | 13.6 |



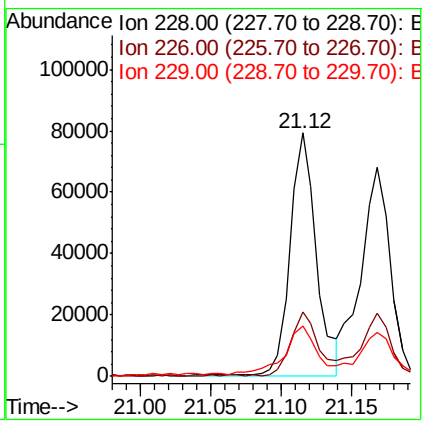


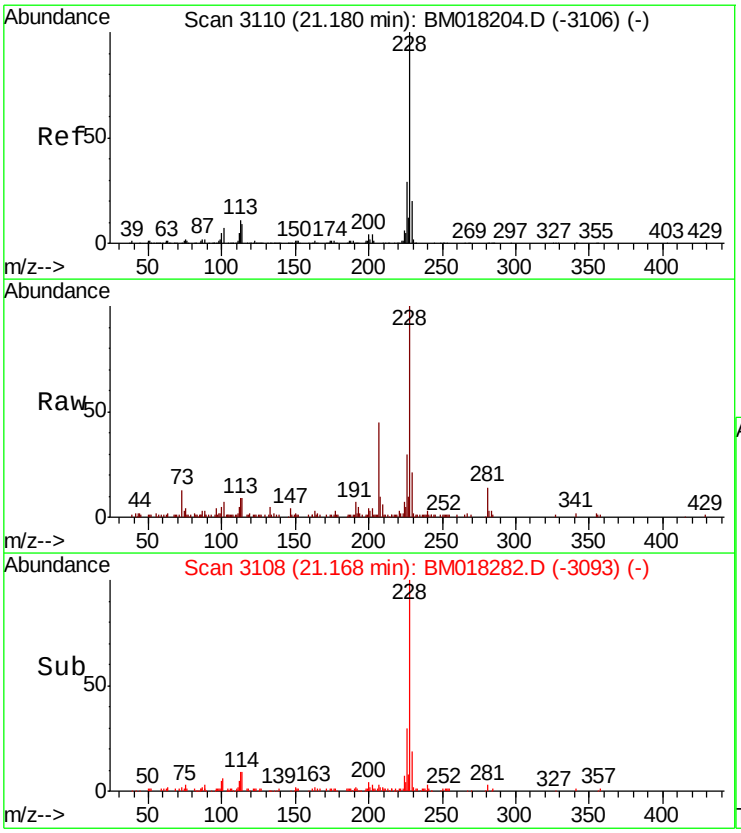

#81
Benzo(a)anthracene
Concen: 3.880 ng
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:228 Resp: 103376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 21.0 | 31.4 |
| 229 | 20.8 | 15.5 | 23.3 |

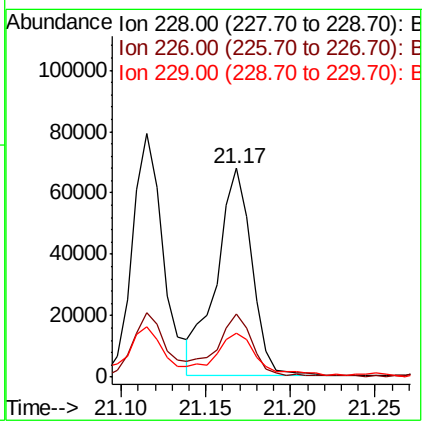


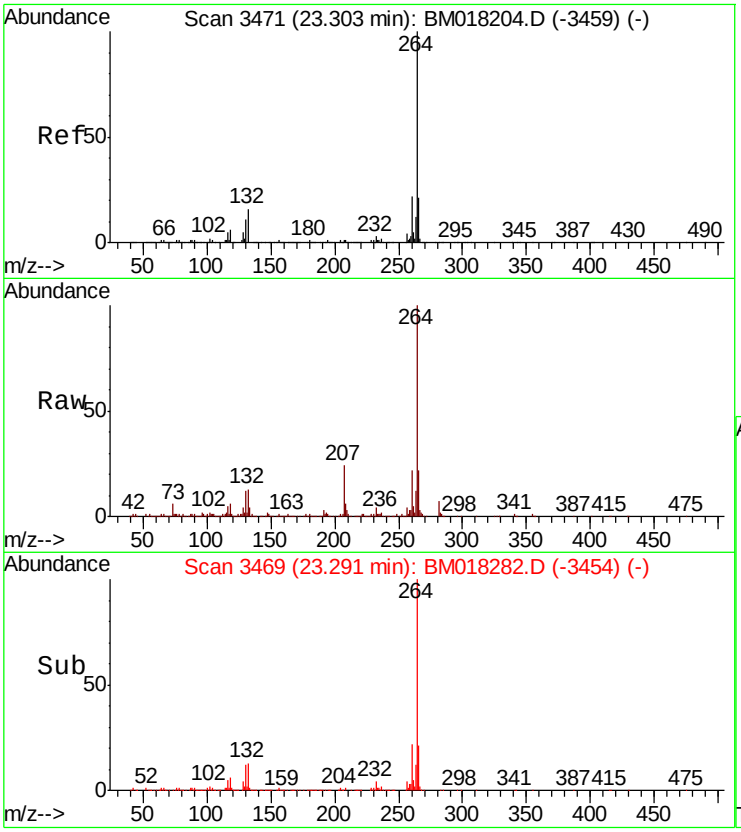




#83
Chrysene
Concen: 3.837 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:228 Resp: 98315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.1 | 34.7 |
| 229 | 21.3 | 15.8 | 23.6 |



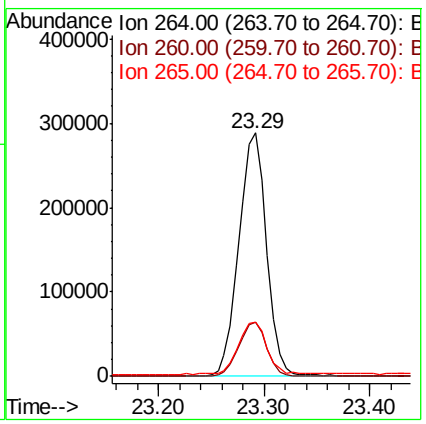


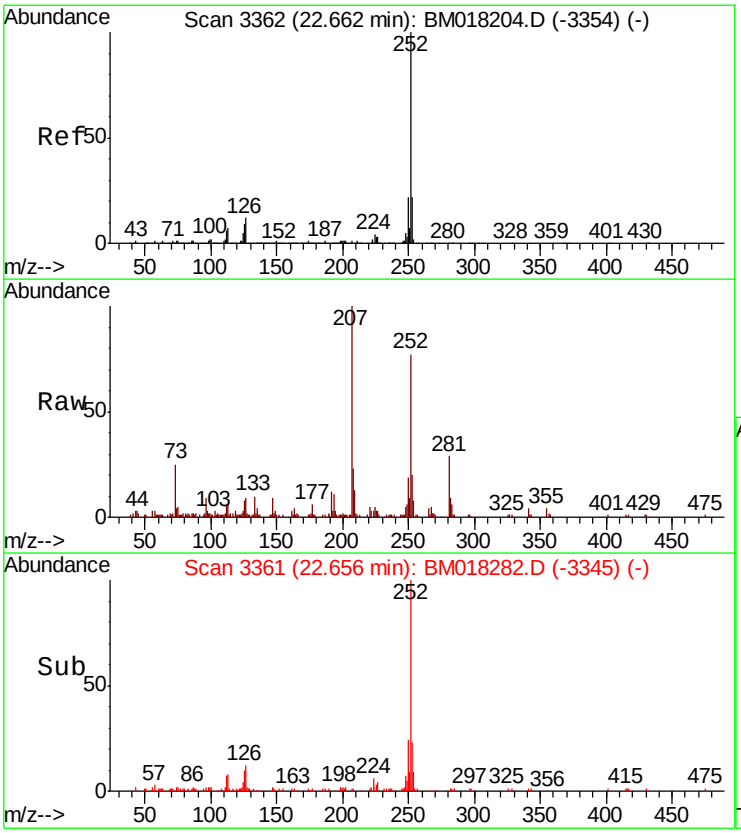

#87
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:264 Resp: 525926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.1 | 17.5 | 26.3 |
| 265 | 22.2 | 17.3 | 25.9 |

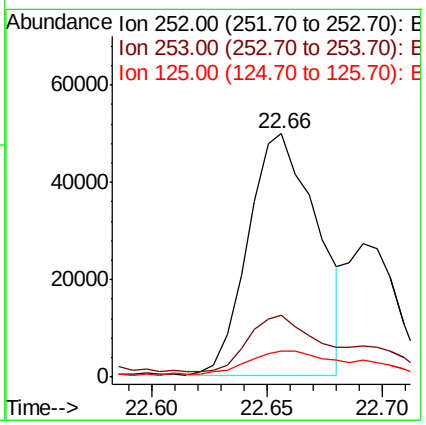


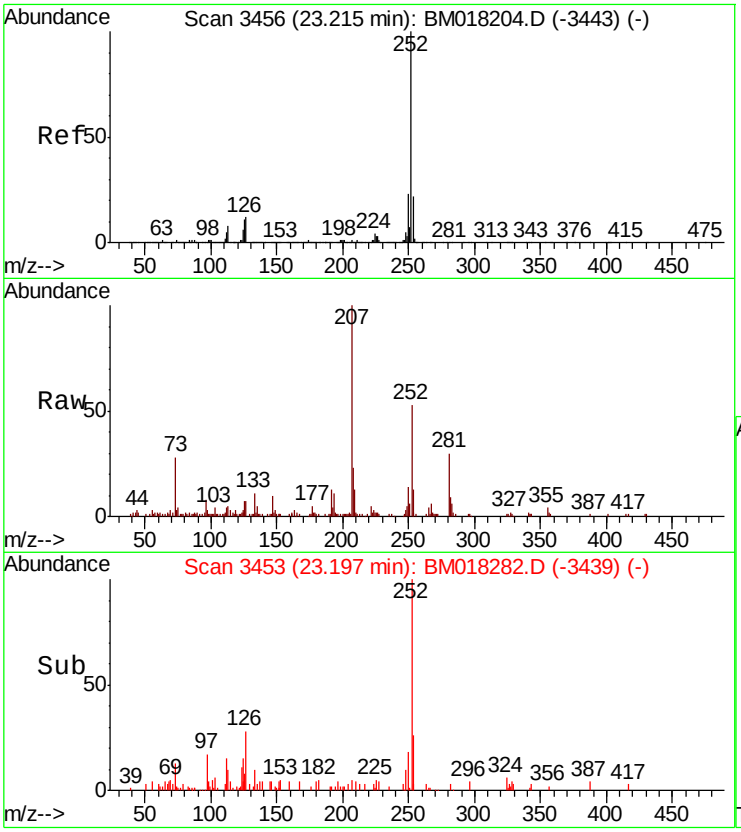




#88
Benzo(b)fluoranthene
Concen: 3.492 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

Tgt Ion:252 Resp: 103175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 17.6 | 26.4 |
| 125 | 10.9 | 7.4 | 11.0 |






#90
Benzo(a)pyrene
Concen: 2.258 ng
RT: 23.20 min Scan# 3453
Delta R.T. -0.02 min
Lab File: BM018282.D
Acq: 18 Dec 2018 21:48

**Instrument :**
BNA_M
**ClientSampleId :**
SB-10A

Tgt Ion:252 Resp: 63432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.0 | 17.6 | 26.4 |
| 125 | 12.6 | 8.6 | 12.8 |