Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012137.D
Acq On : 13 Oct 2017 15:06
Operator : SJ/JU
Sample : I5533-03DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :**

Quant Time: Oct 13 18:51:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 168944 | 20.00 | ng/ul | 0.01 |
| 18) Naphthalene-d8 | 10.65 | 136 | 723558 | 20.00 | ng/ul | 0.02 |
| 35) Acenaphthene-d10 | 14.50 | 164 | 442425 | 20.00 | ng/ul | 0.02 |
| 61) Phenanthrene-d10 | 17.24 | 188 | 1057446 | 20.00 | ng/ul | 0.02 |
| 75) Chrysene-d12 | 21.43 | 240 | 1290716 | 20.00 | ng/ul | 0.02 |
| 83) Perylene-d12 | 23.76 | 264 | 1097126 | 20.00 | ng/ul | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.25 | 96 | 3099 | 0.87 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.02 | 99 | 72300 | 5.27 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.17 | 67 | 45125 | 5.49 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 62302 | 5.36 | ng/ul | 0.02 |
| 13) 4-Methylphenol-d8 | 8.56 | 113 | 60280 | 5.11 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5 | 9.02 | 128 | 28914 | 5.24 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4 | 9.74 | 143 | 33736 | 5.23 | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3 | 10.28 | 165 | 65146 | 5.29 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4 | 10.80 | 131 | 22988 | 1.99 | ng/ul | 0.03 |
| 43) Dimethylphthalate-d6 | 13.90 | 166 | 217237 | 5.56 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8 | 14.19 | 160 | 266845 | 5.64 | ng/ul | 0.02 |
| 51) 4-Nitrophenol-d4 | 14.75 | 143 | 19739 | 3.36 | ng/ul | 0.06 |
| 57) Fluorene-d10 | 15.49 | 176 | 191028 | 5.95 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 4271 | 0.59 | ng/ul | 0.04 |
| 70) Anthracene-d10 | 17.34 | 188 | 311202 | 5.95 | ng/ul | 0.02 |
| 76) Pyrene-d10 | 19.64 | 212 | 374826 | 5.72 | ng/ul | 0.02 |
| 87) Benzo(a)pyrene-d12 | 23.61 | 264 | 303512 | 5.74 | ng/ul | 0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 47) Acenaphthylene | 14.22 | 152 | 72373 | 1.557 | ng/ul | 97 |
| 69) Phenanthrene | 17.29 | 178 | 709947 | 11.802 | ng/ul | 99 |
| 71) Anthracene | 17.38 | 178 | 193533 | 3.108 | ng/ul | 97 |
| 73) Di-n-butylphthalate | 18.19 | 149 | 78810 | 1.077 | ng/ul | 98 |
| 74) Fluoranthene | 19.30 | 202 | 1803362 | 24.841 | ng/ul# | 92 |
| 77) Pyrene | 19.67 | 202 | 1651105 | 19.370 | ng/ul# | 92 |
| 80) Benzo(a)anthracene | 21.41 | 228 | 971475 | 11.567 | ng/ul | 98 |
| 82) Chrysene | 21.41 | 228 | 971475 | 12.320 | ng/ul | 96 |
| 85) Benzo(b)fluoranthene | 23.06 | 252 | 827967 | 11.564 | ng/ul# | 93 |
| 86) Benzo(k)fluoranthene | 23.06 | 252 | 827967 | 12.000 | ng/ul# | 91 |
| 88) Benzo(a)pyrene | 23.66 | 252 | 618485 | 9.165 | ng/ul# | 94 |
| 89) Indeno(1,2,3-cd)pyrene | 26.15 | 276 | 337627 | 4.711 | ng/ul# | 88 |
| 90) Dibenzo(a,h)anthracene | 26.14 | 278 | 101534 | 1.685 | ng/ul# | 60 |
| 91) Benzo(g,h,i)perylene | 26.89 | 276 | 309788 | 5.278 | ng/ul# | 85 |

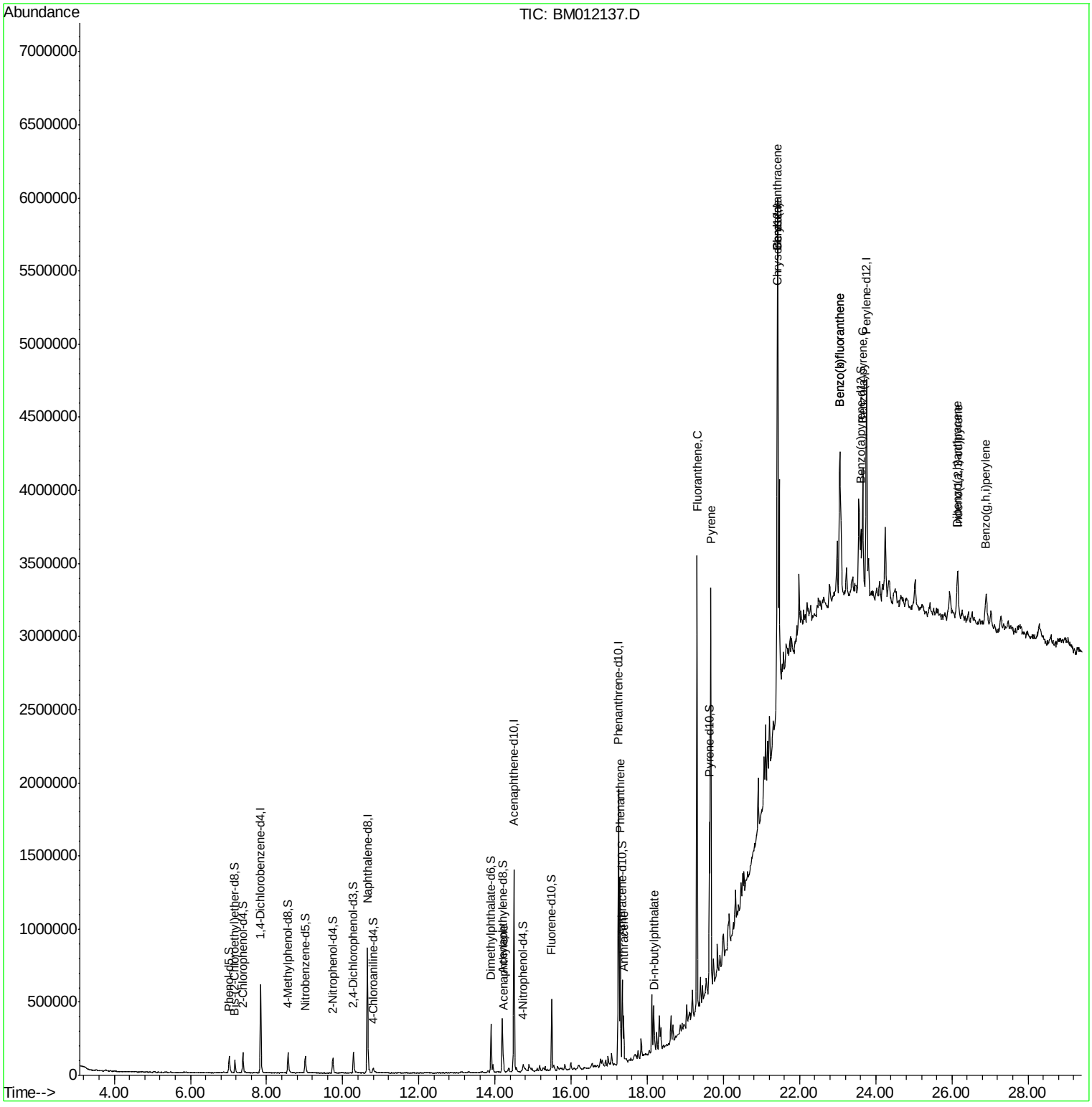
(#) = qualifier out of range (m) = manual integration (+) = signals summed

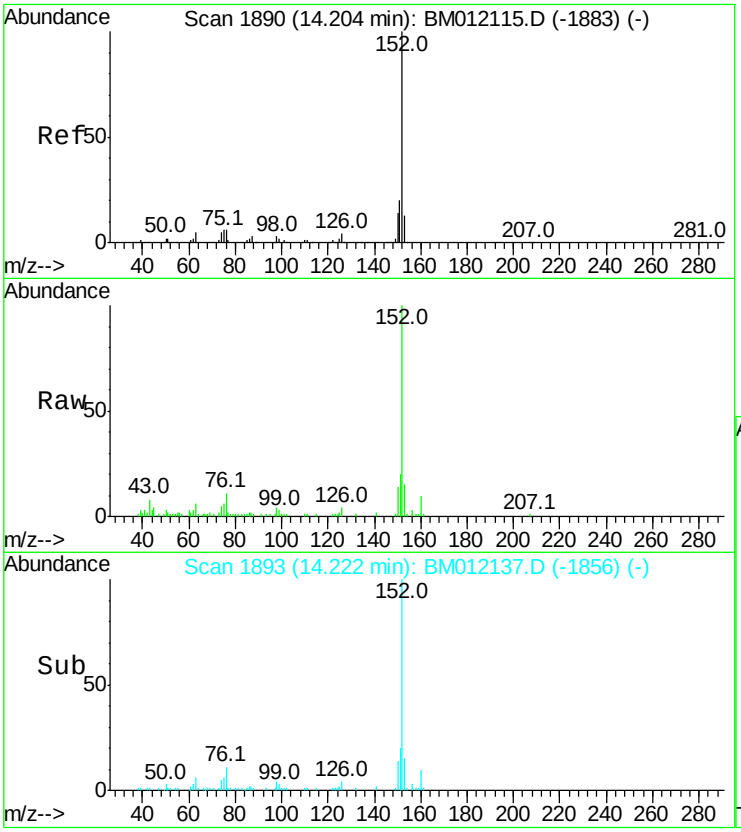
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012137.D
Acq On : 13 Oct 2017 15:06
Operator : SJ/JU
Sample : I5533-03DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**

Quant Time: Oct 13 18:51:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



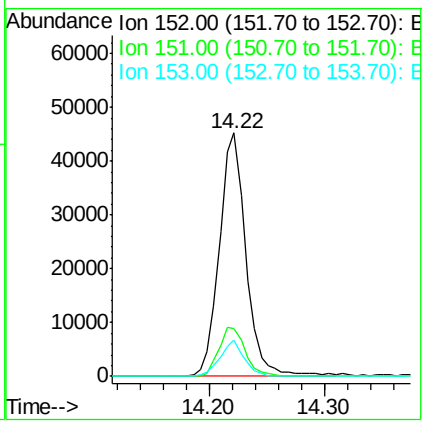


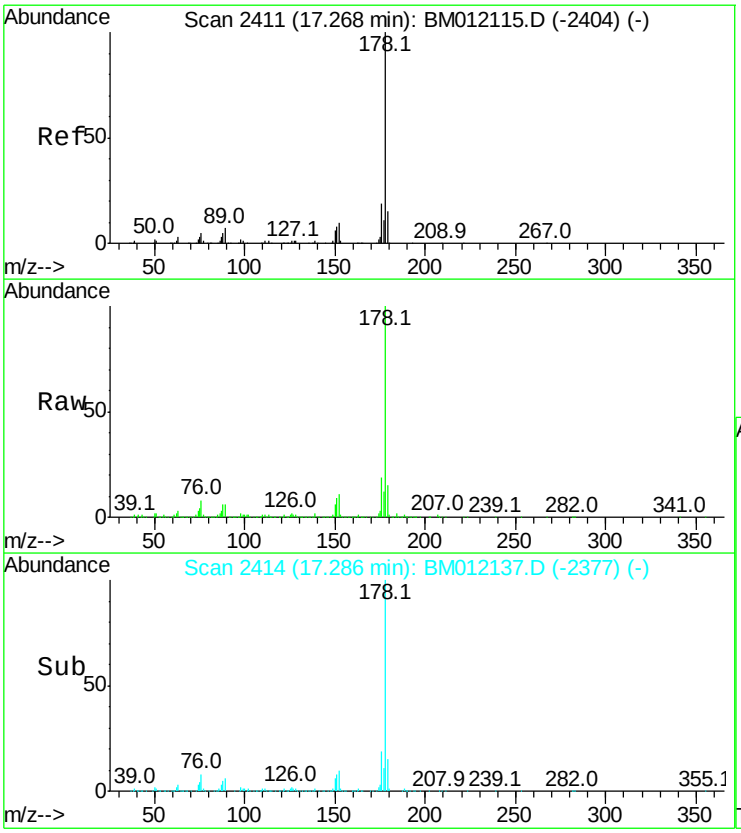

#47
Acenaphthylene
Concen: 1.557 ng/ul
RT: 14.22 min Scan# 1893
Delta R.T. 0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:152 Resp: 72373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.3 | 24.5 |
| 153 | 14.9 | 10.2 | 15.4 |

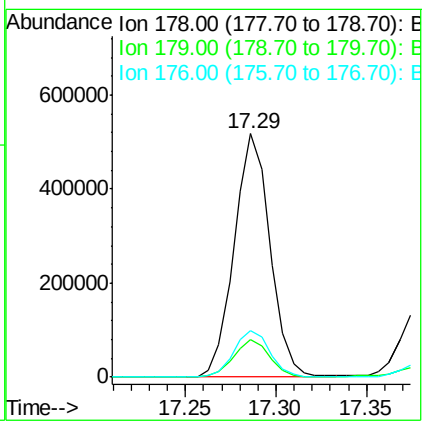


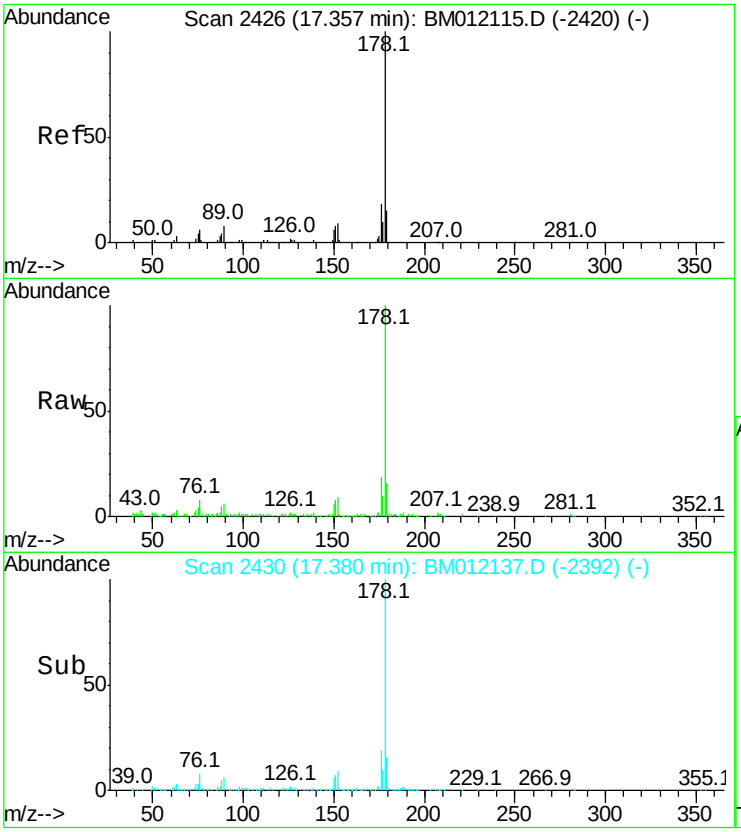




#69
Phenanthrene
Concen: 11.802 ng/ul
RT: 17.29 min Scan# 2414
Delta R.T. 0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion:178 Resp: 709947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.6 | 19.0 |
| 176 | 19.1 | 14.9 | 22.3 |



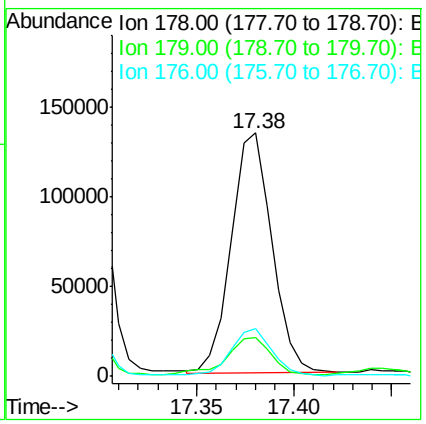


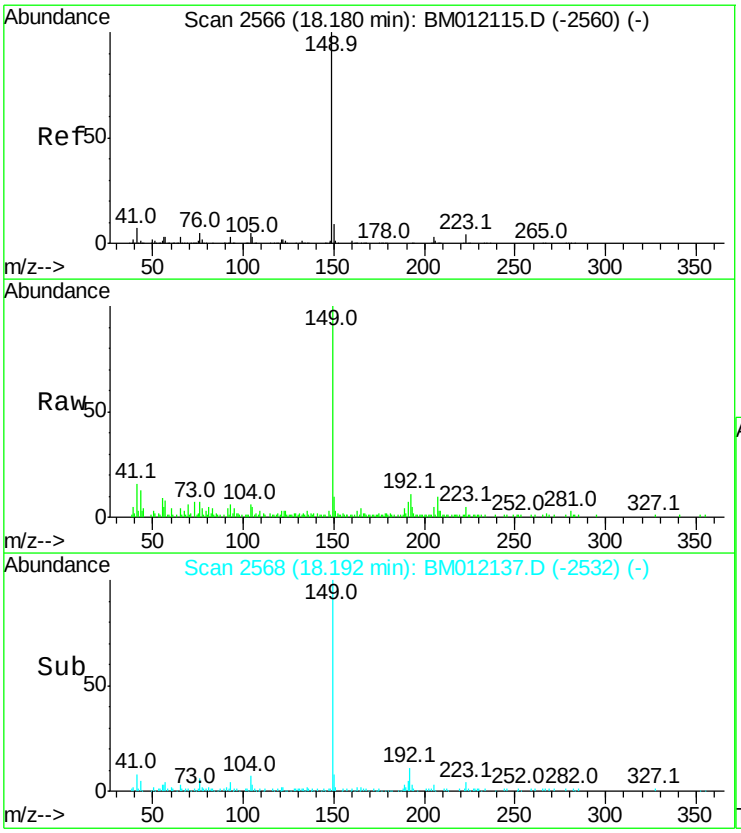

#71
Anthracene
Concen: 3.108 ng/ul
RT: 17.38 min Scan# 2430
Delta R.T. 0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:178 Resp: 193533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 11.7 | 17.5 |
| 176 | 19.4 | 14.6 | 21.8 |

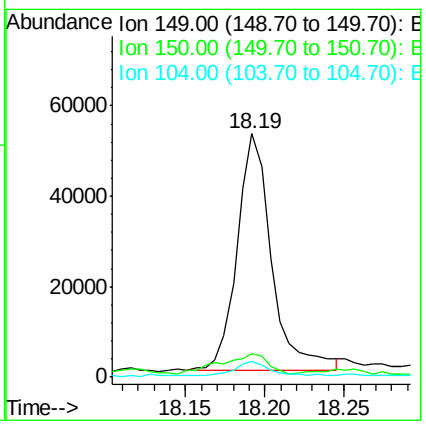


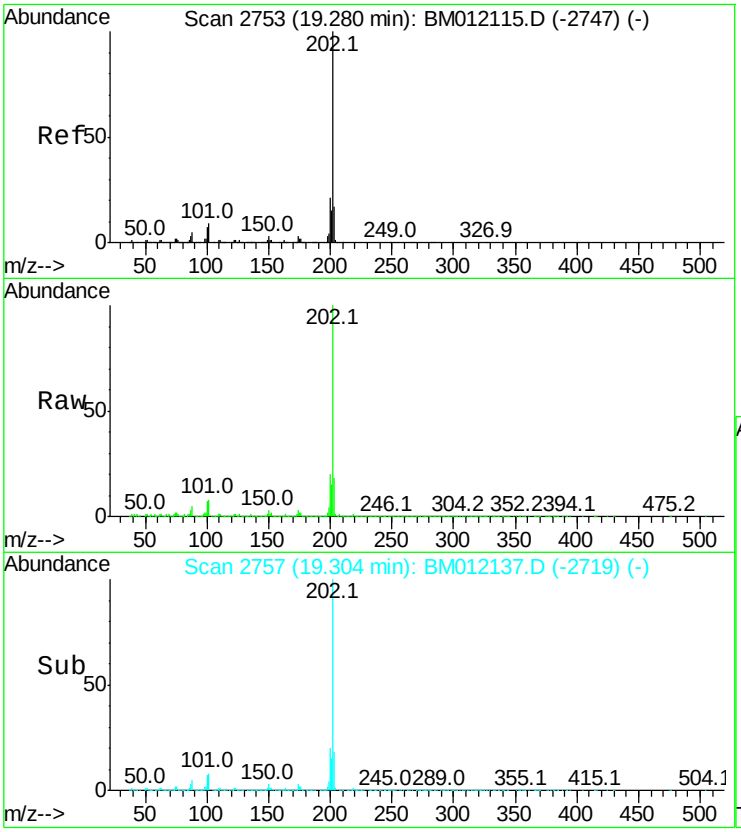




#73
Di-n-butylphthalate
Concen: 1.077 ng/ul
RT: 18.19 min Scan# 2568
Delta R.T. 0.01 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion:149 Resp: 78810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.7 | 7.1 | 10.7 |
| 104 | 6.5 | 5.6 | 8.4 |



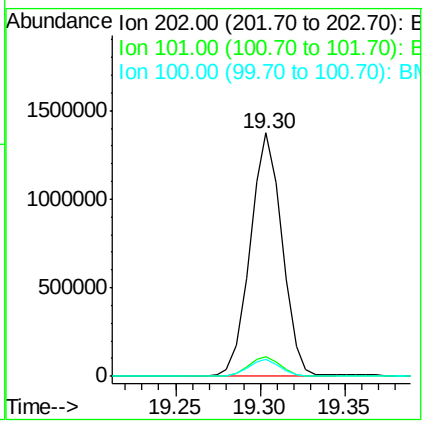


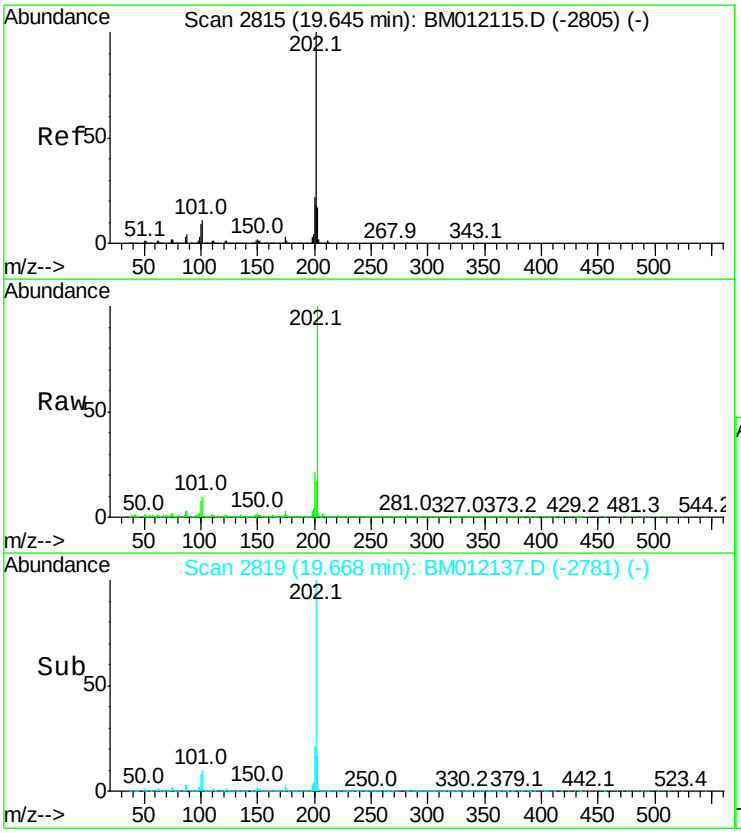

#74
Fluoranthene
Concen: 24.841 ng/ul
RT: 19.30 min Scan# 2757
Delta R.T. 0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:202 Resp: 1803362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 4.6 | 7.0# |
| 100 | 6.9 | 3.4 | 5.2# |

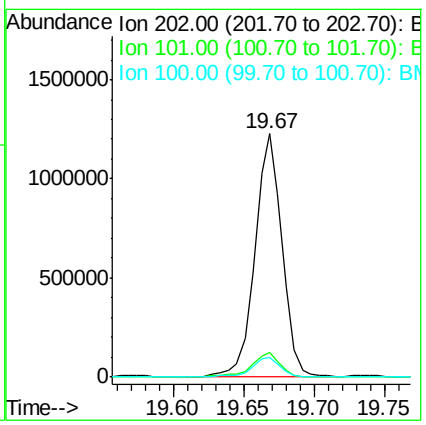


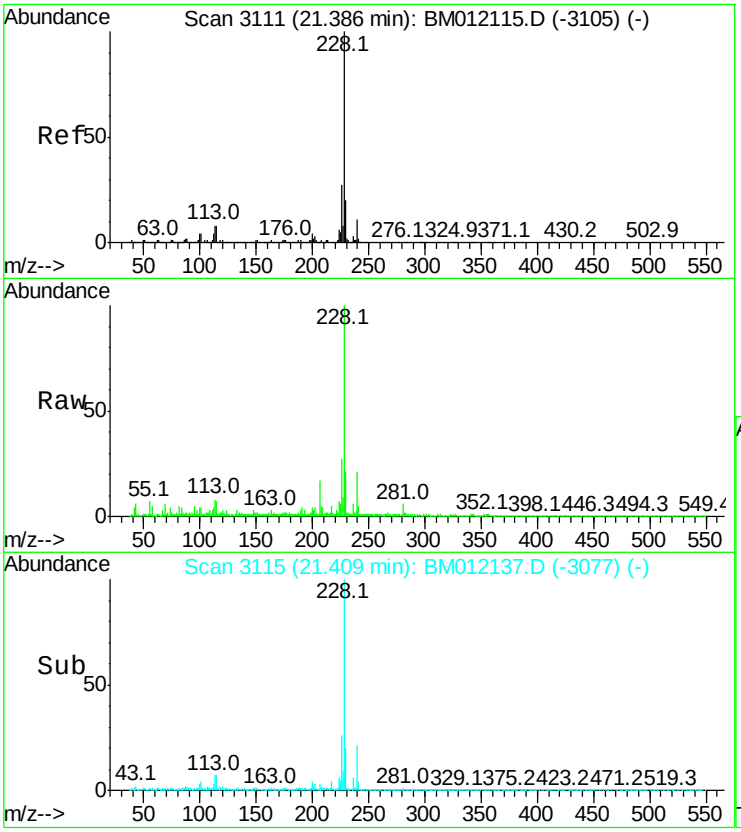




#77
Pyrene
Concen: 19.370 ng/ul
RT: 19.67 min Scan# 2819
Delta R.T. 0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion:202 Resp: 1651105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 5.1 | 7.7# |
| 100 | 8.1 | 4.9 | 7.3# |



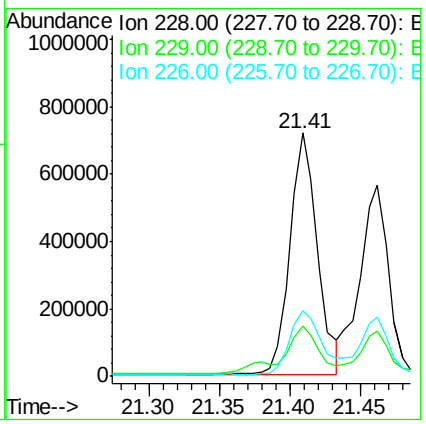


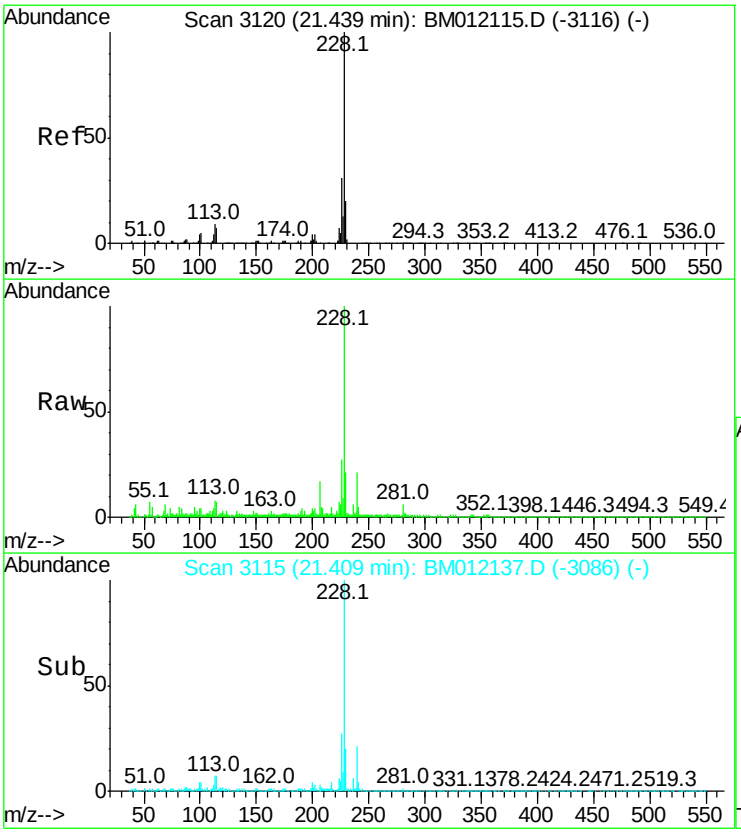

#80
Benzo(a)anthracene
Concen: 11.567 ng/ul
RT: 21.41 min Scan# 3115
Delta R.T. 0.02 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:228 Resp: 971475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.8 | 15.4 | 23.0 |
| 226 | 27.0 | 21.4 | 32.0 |

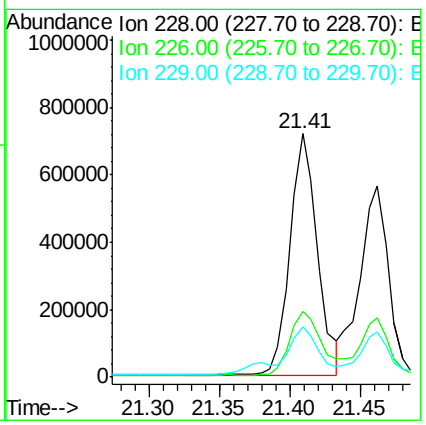


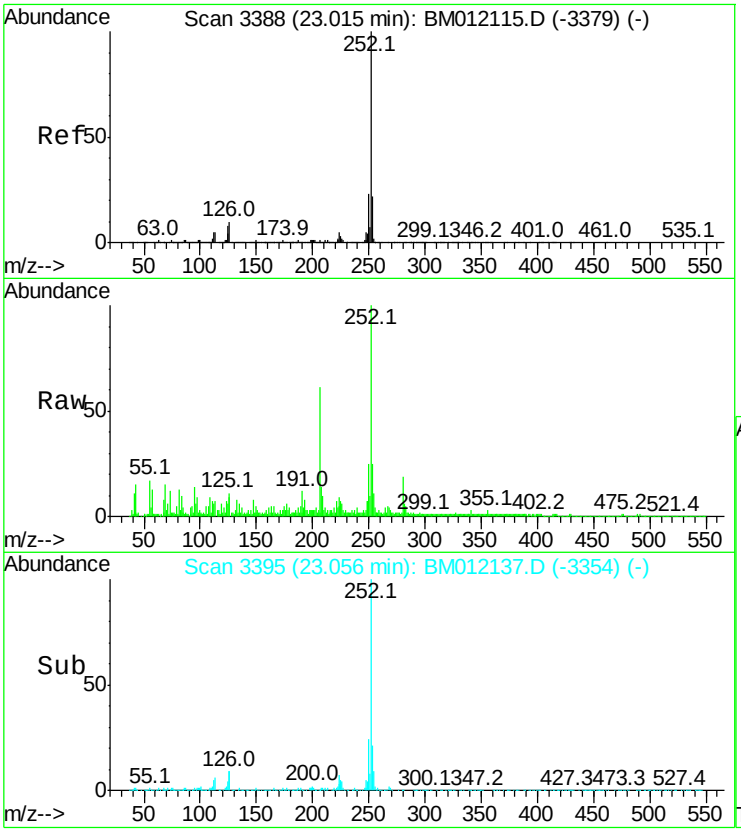




#82
Chrysene
Concen: 12.320 ng/ul
RT: 21.41 min Scan# 3115
Delta R.T. -0.03 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion:228 Resp: 971475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 23.4 | 35.2 |
| 229 | 20.8 | 15.5 | 23.3 |



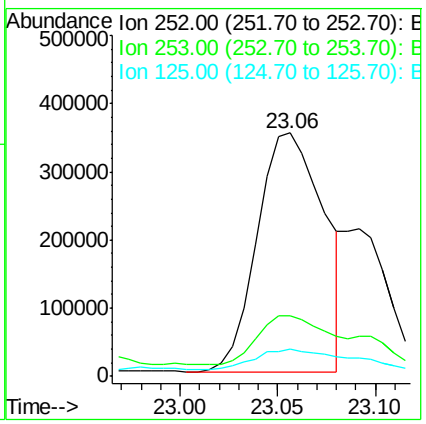


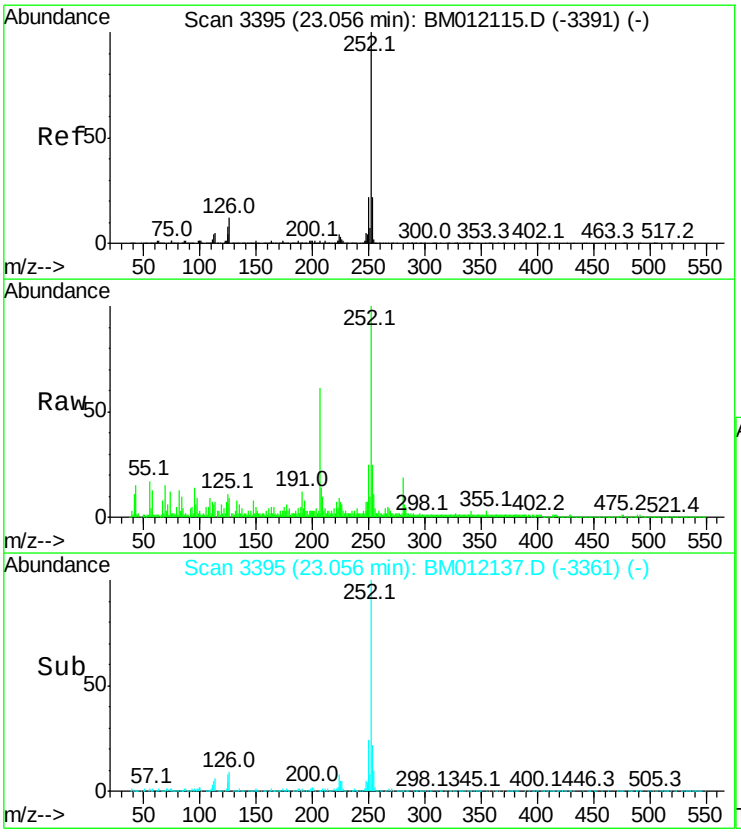

#85
Benzo(b)fluoranthene
Concen: 11.564 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. 0.04 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 827967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.9 | 26.9 |
| 125 | 11.1 | 3.6 | 5.4# |

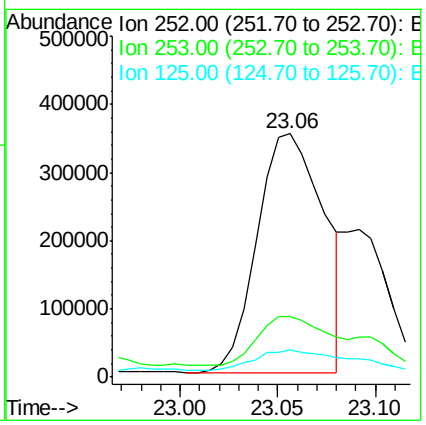


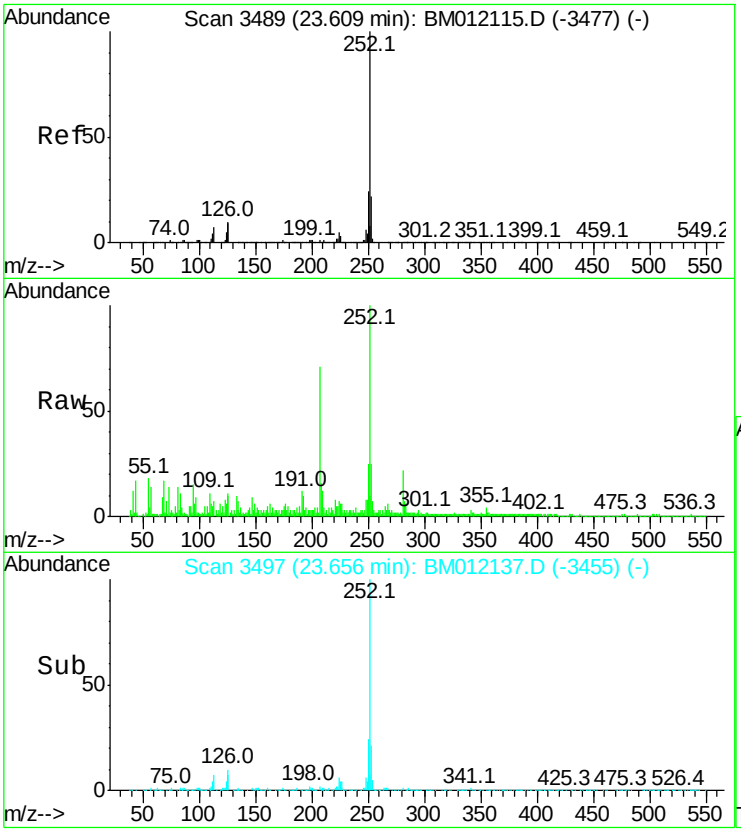




#86
Benzo(k)fluoranthene
Concen: 12.000 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. 0.00 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion:252 Resp: 827967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.1 | 25.7 |
| 125 | 11.1 | 3.4 | 5.2# |



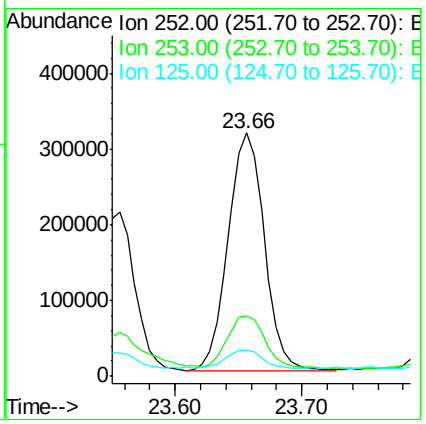


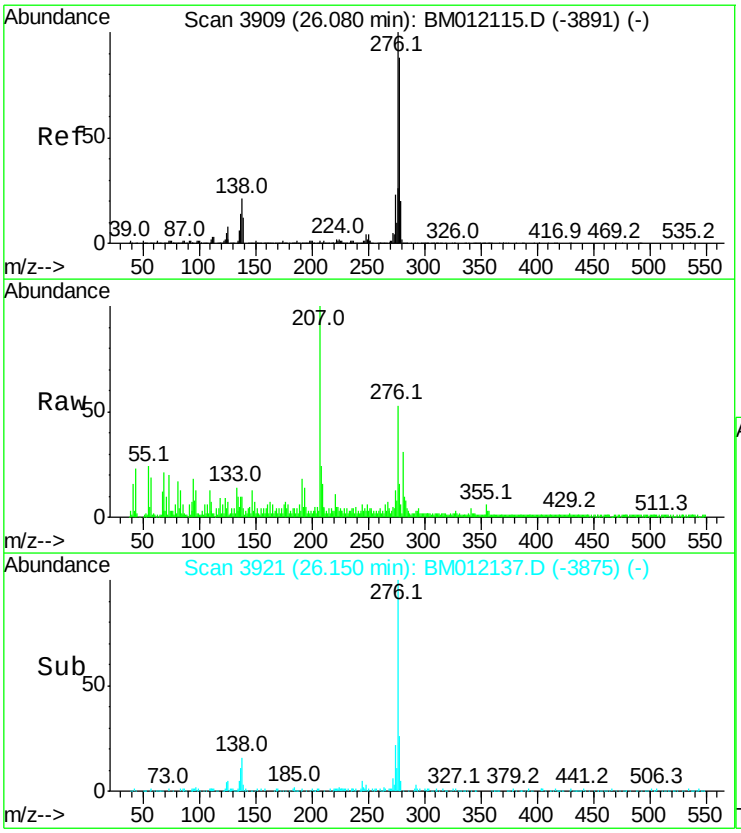

#88
Benzo(a)pyrene
Concen: 9.165 ng/ul
RT: 23.66 min Scan# 3497
Delta R.T. 0.05 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 618485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 18.2 | 27.2 |
| 125 | 10.4 | 4.0 | 6.0# |

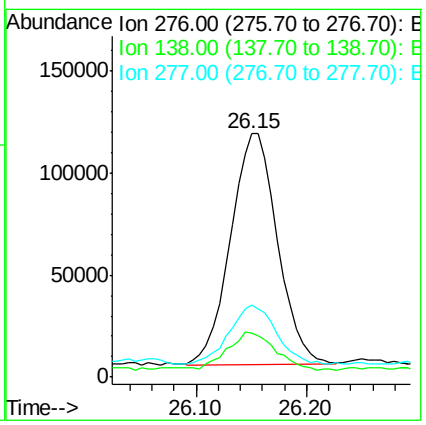


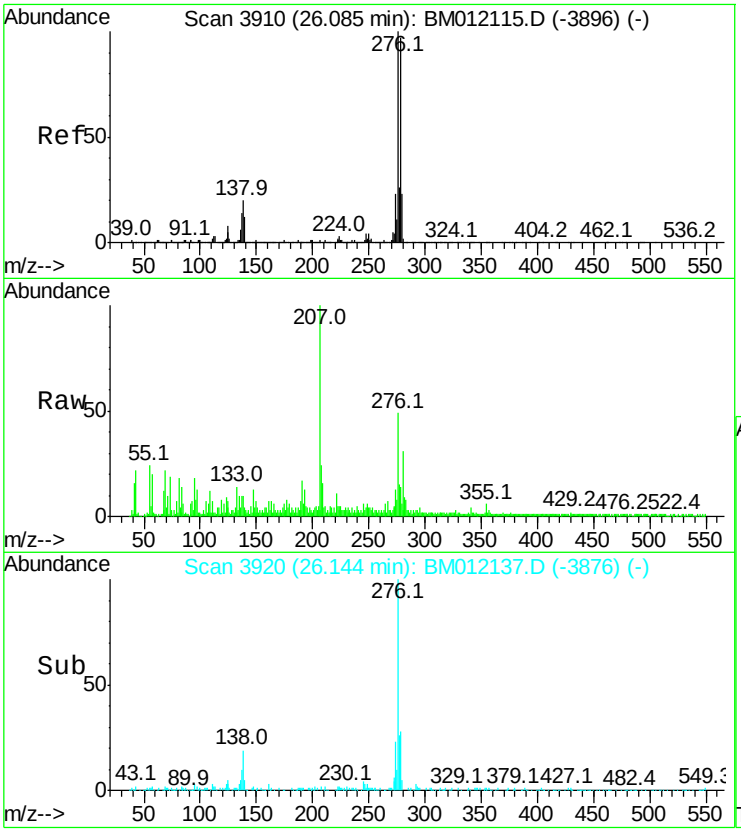




#89
Indeno(1,2,3-cd)pyrene
Concen: 4.711 ng/ul
RT: 26.15 min Scan# 3921
Delta R.T. 0.07 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion:276 Resp: 337627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.1 | 9.3 | 13.9# |
| 277 | 29.5 | 19.9 | 29.9 |



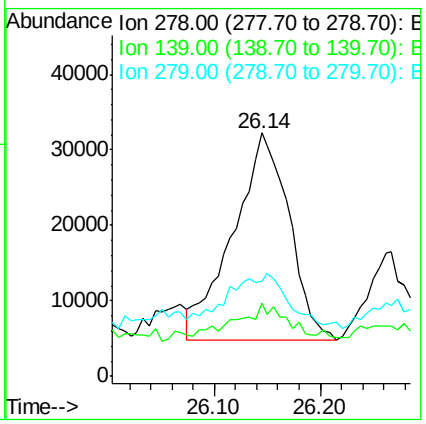


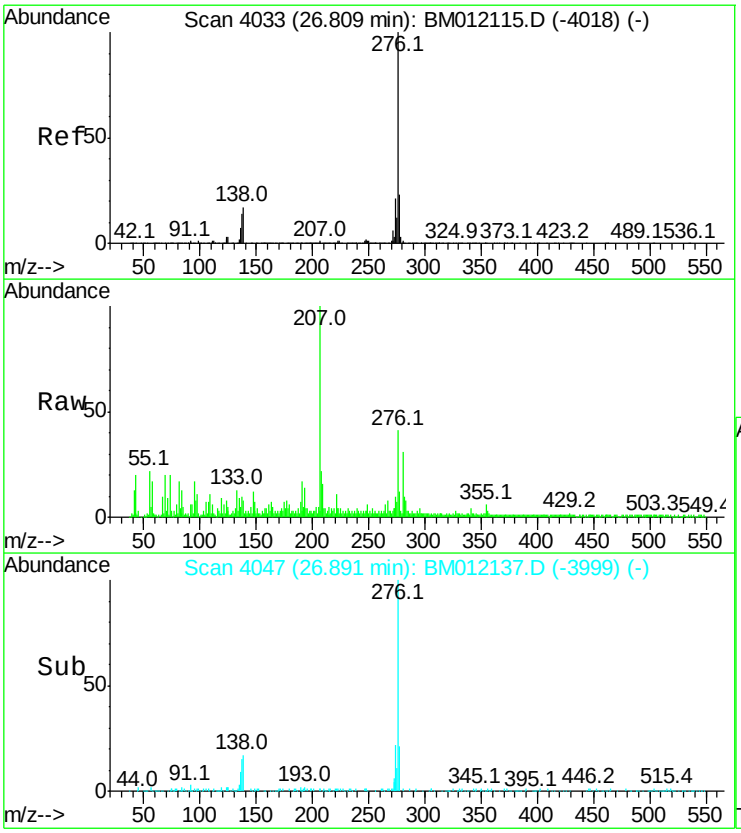

#90
Dibenzo(a,h)anthracene
Concen: 1.685 ng/ul
RT: 26.14 min Scan# 3920
Delta R.T. 0.06 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:278 Resp: 101534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 30.2 | 5.8 | 8.8# |
| 279 | 39.0 | 18.6 | 27.8# |




#91
Benzo(g,h,i)perylene
Concen: 5.278 ng/ul
RT: 26.89 min Scan# 4047
Delta R.T. 0.08 min
Lab File: BM012137.D
Acq: 13 Oct 2017 15:06

Tgt Ion:276 Resp: 309788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.9 | 8.5 | 12.7# |
| 277 | 28.8 | 18.6 | 28.0# |