Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110717\
Data File : BM012810.D
Acq On : 07 Nov 2017 23:51
Operator : SJ/JU
Sample : I6164-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Nov 08 01:57:10 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 08 01:41:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 148879 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.59 | 136 | 628483 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.44 | 164 | 386969 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.28 | 188 | 151093 | 20.00 | ng/ul | 0.09 |
| 77) Chrysene-d12 | 21.36 | 240 | 738491 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.64 | 264 | 756062 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 1788 | 0.65 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.97 | 99 | 35582 | 3.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.13 | 67 | 21452 | 3.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.33 | 132 | 32583 | 3.53 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.51 | 113 | 25616 | 2.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 15471 | 3.33 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.68 | 143 | 17709 | 3.33 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.22 | 165 | 34003 | 3.12 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.74 | 131 | 18638 | 1.77 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6 | 13.85 | 166 | 115588 | 3.61 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.13 | 160 | 135424 | 3.42 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.67 | 143 | 8989 | 1.75 | ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.43 | 176 | 101018 | 3.68 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 7250 | 7.27 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.28 | 188 | 150912 | 20.67 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.57 | 212 | 146286 | 4.27 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.50 | 264 | 130896 | 3.66 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.89 | 163 | 33959 | 1.07 | ng/ul# | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 198 | 1247 | 1.19 | ng/ul# | 55 |
| 69) Phenanthrene | 17.32 | 178 | 126767 | 15.35 | ng/ul | 99 |
| 71) Anthracene | 17.32 | 178 | 126600 | 14.79 | ng/ul | 99 |
| 74) Carbazole | 17.59 | 167 | 24784 | 3.47 | ng/ul | 97 |
| 76) Fluoranthene | 19.24 | 202 | 1169185 | 117.81 | ng/ul | 95 |
| 79) Pyrene | 19.60 | 202 | 898975 | 20.40 | ng/ul# | 93 |
| 82) Benzo(a)anthracene | 21.35 | 228 | 451345 | 10.10 | ng/ul | 99 |
| 84) Chrysene | 21.40 | 228 | 448655 | 11.08 | ng/ul | 97 |
| 87) Benzo(b)fluoranthene | 22.96 | 252 | 622240 | 13.47 | ng/ul# | 95 |
| 88) Benzo(k)fluoranthene | 22.96 | 252 | 622240 | 14.17 | ng/ul# | 95 |
| 90) Benzo(a)pyrene | 23.44 | 252 | 285268 | 6.49 | ng/ul | 97 |
| 91) Indeno(1,2,3-cd)pyrene | 25.94 | 276 | 324204 | 6.12 | ng/ul# | 85 |
| 92) Dibenzo(a,h)anthracene | 25.95 | 278 | 76849 | 1.71 | ng/ul# | 80 |
| 93) Benzo(g,h,i)perylene | 26.66 | 276 | 277928 | 6.37 | ng/ul# | 90 |

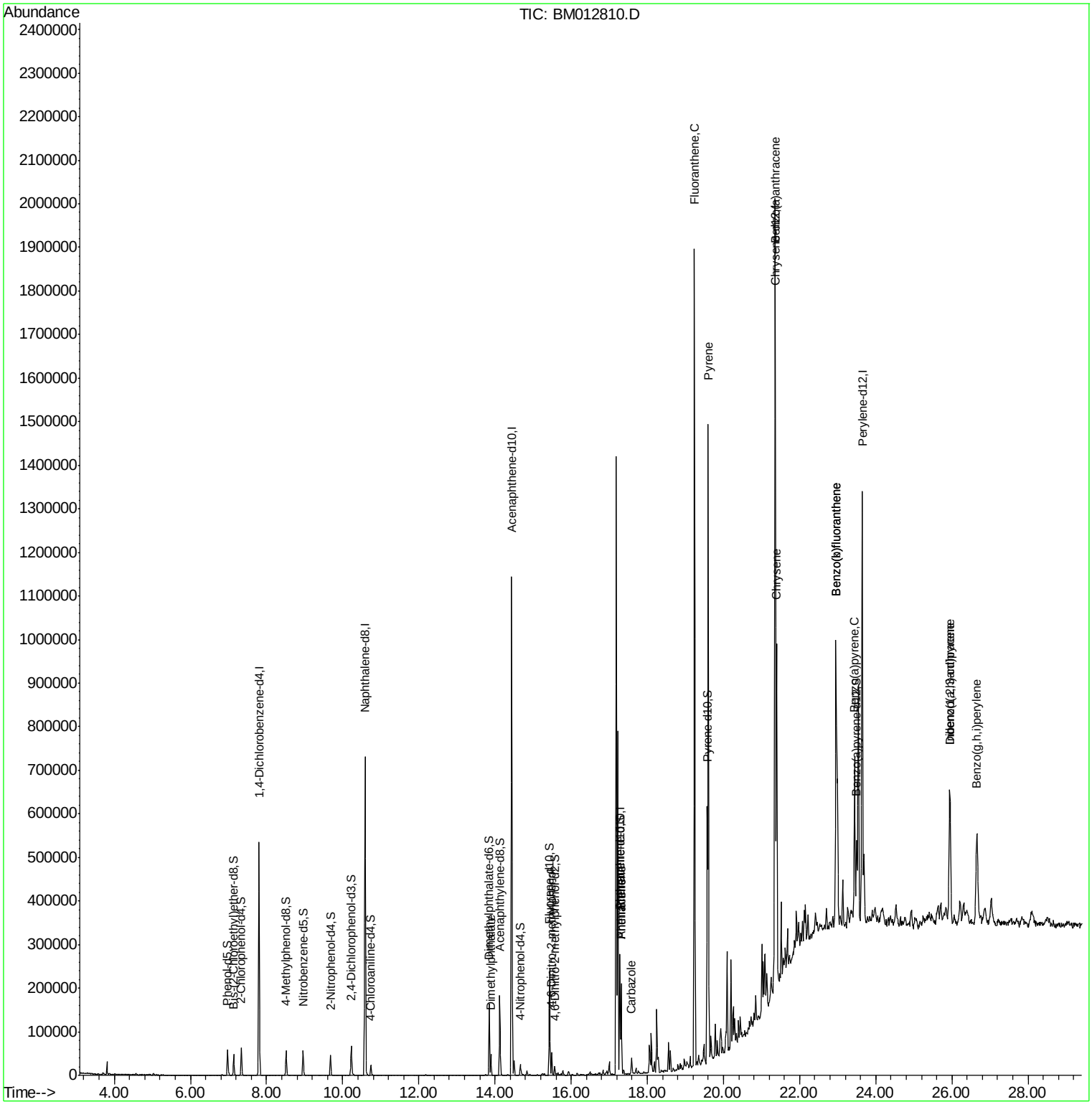
(#) = qualifier out of range (m) = manual integration (+) = signals summed

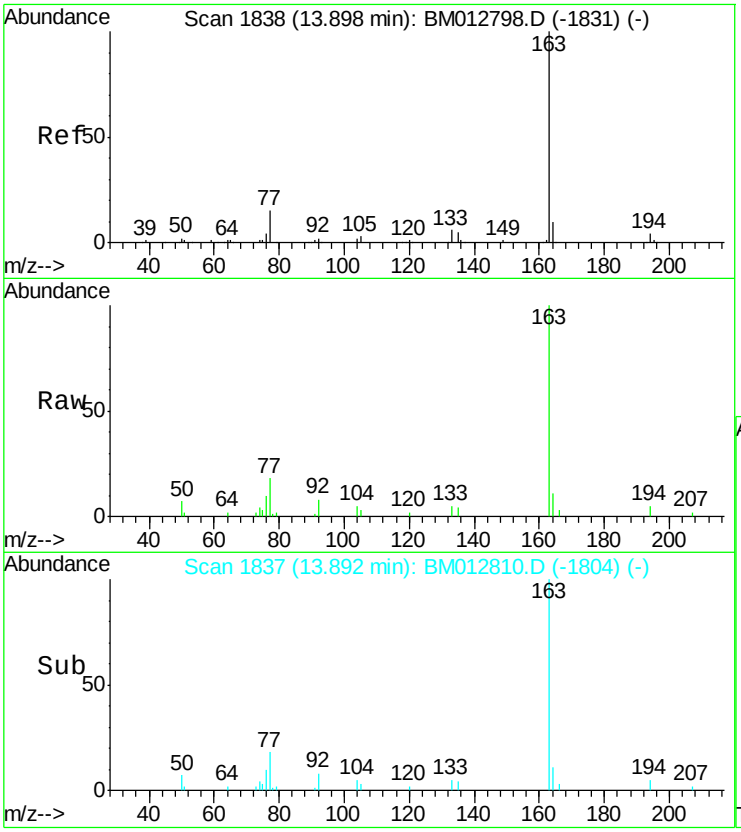
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110717\
Data File : BM012810.D
Acq On : 07 Nov 2017 23:51
Operator : SJ/JU
Sample : I6164-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Nov 08 01:57:10 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 08 01:41:22 2017
Response via : Initial Calibration



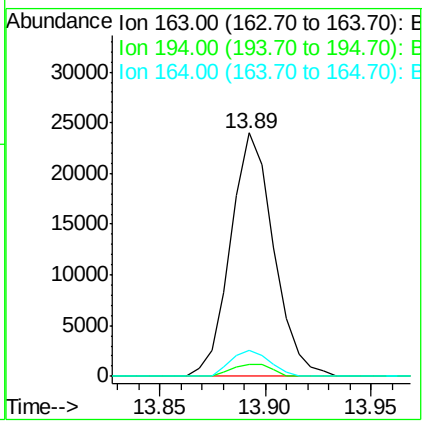


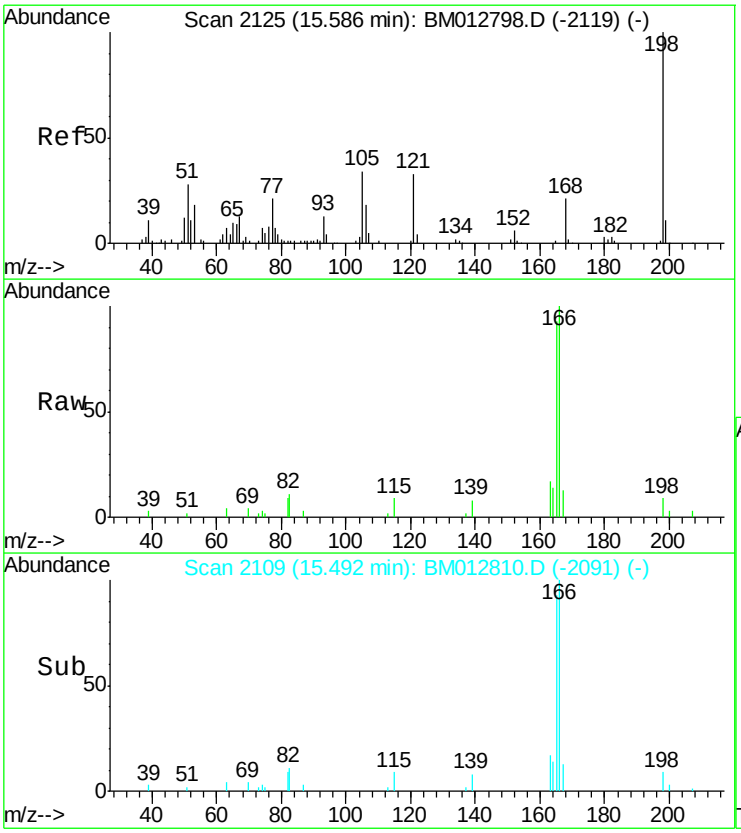

#44
Dimethylphthalate
Concen: 1.07 ng/ul
RT: 13.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:163 Resp: 33959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.8 | 3.2 | 4.8# |
| 164 | 10.5 | 7.8 | 11.8 |

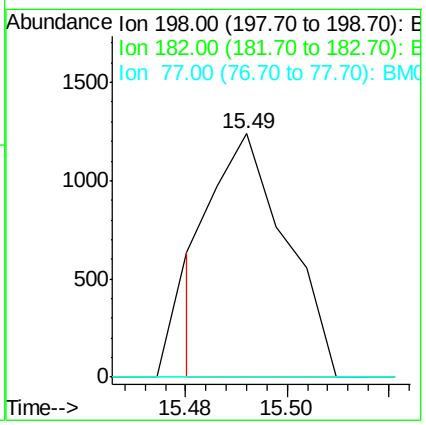


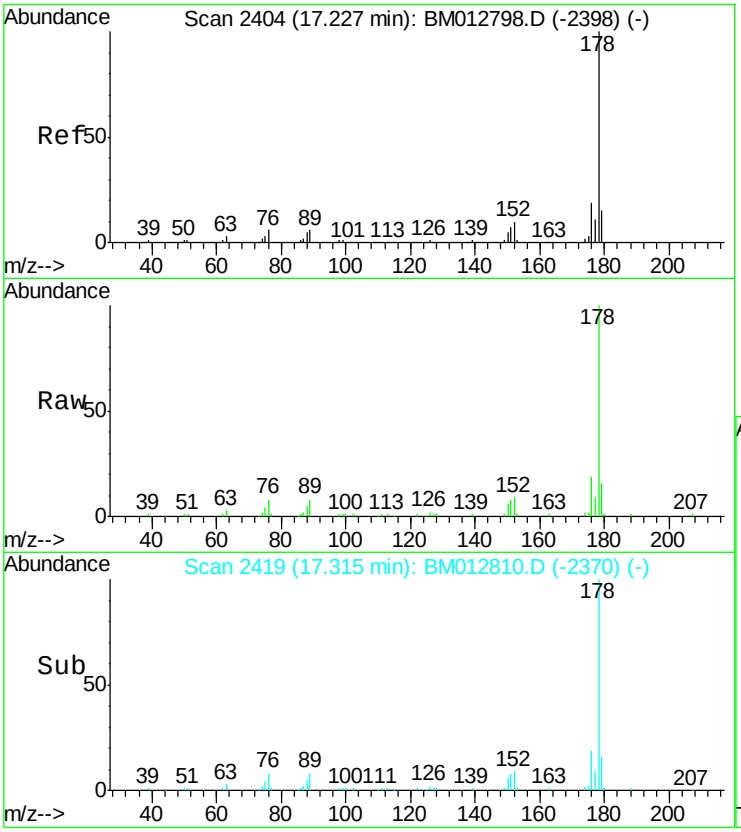




#63
4,6-Dinitro-2-methylphenol
Concen: 1.19 ng/ul
RT: 15.49 min Scan# 2109
Delta R.T. -0.09 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

Tgt Ion:198 Resp: 1247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 182 | 0.0 | 3.1 | 4.7# |
| 77 | 0.0 | 20.1 | 30.1# |



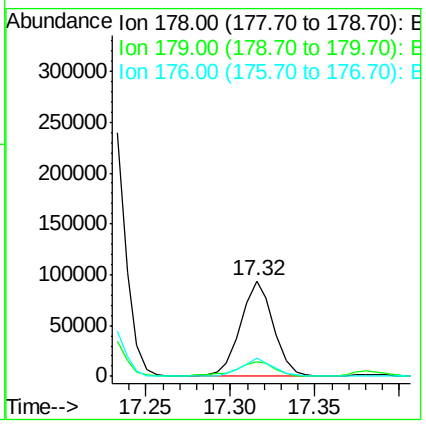


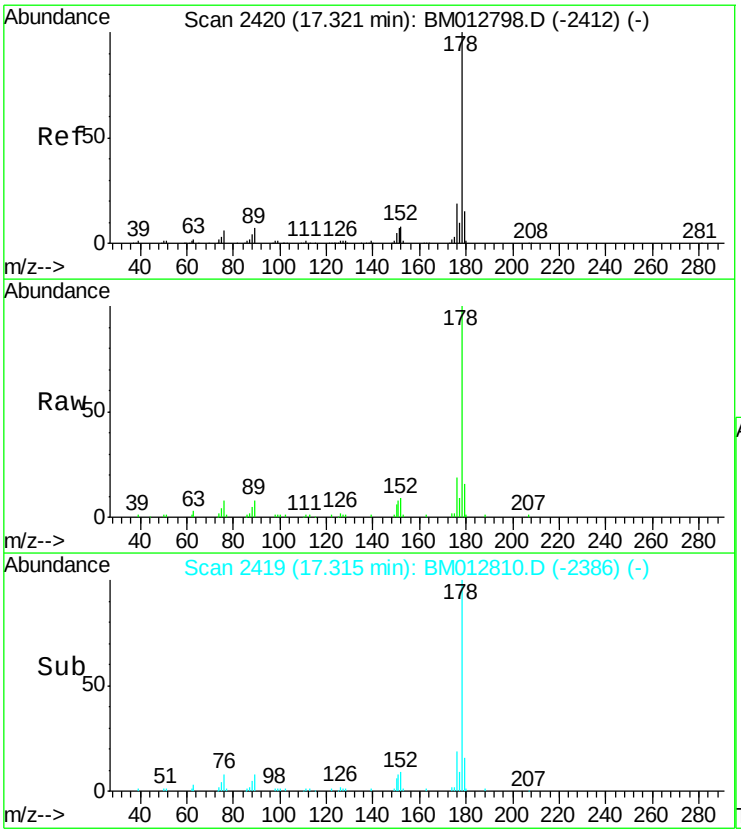

#69
Phenanthrene
Concen: 15.35 ng/ul
RT: 17.32 min Scan# 2419
Delta R.T. 0.09 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:178 Resp: 126767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.2 | 18.4 |
| 176 | 18.8 | 15.6 | 23.4 |

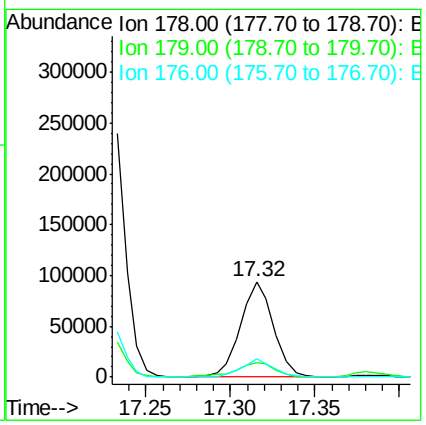


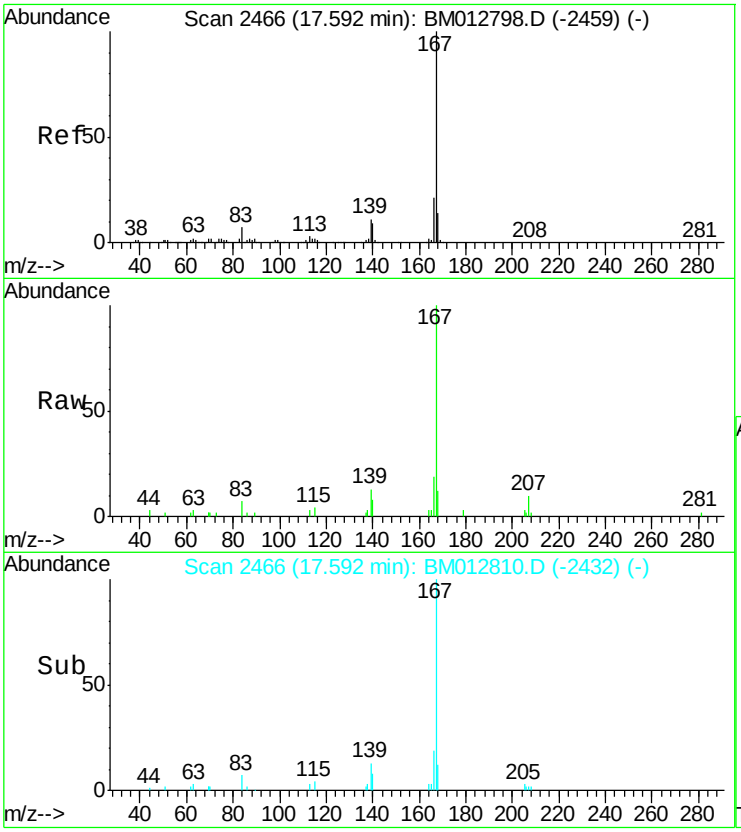




#71
Anthracene
Concen: 14.79 ng/ul
RT: 17.32 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

Tgt Ion:178 Resp: 126600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.1 | 18.1 |
| 176 | 18.8 | 14.8 | 22.2 |



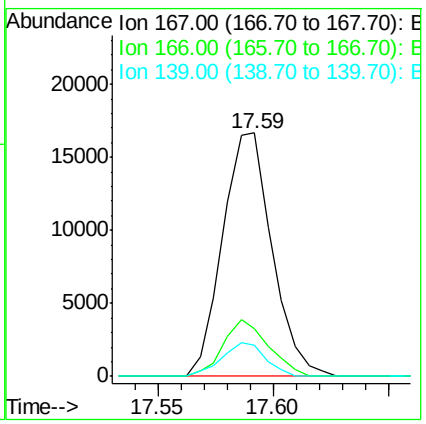


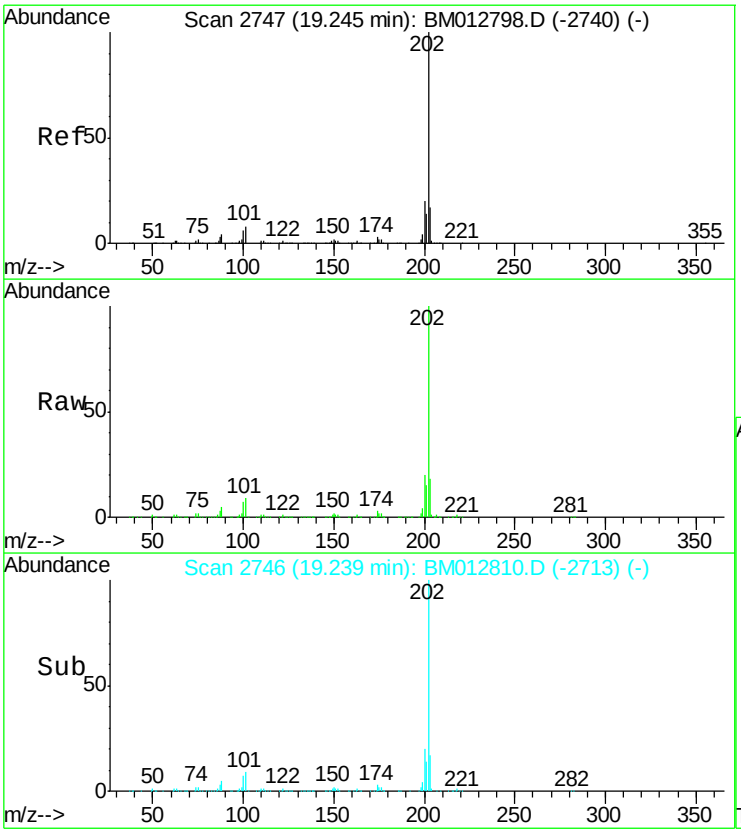

#74
Carbazole
Concen: 3.47 ng/ul
RT: 17.59 min Scan# 2466
Delta R.T. -0.00 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:167 Resp: 24784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 19.5 | 17.0 | 25.6 |
| 139 | 13.0 | 11.0 | 16.4 |

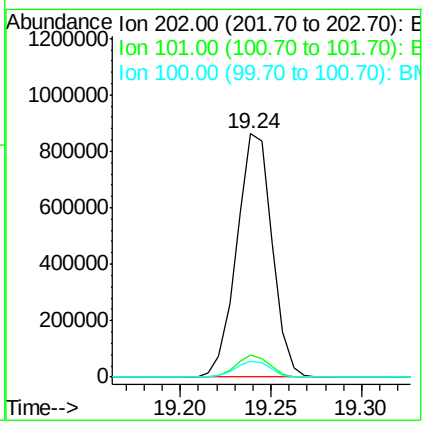


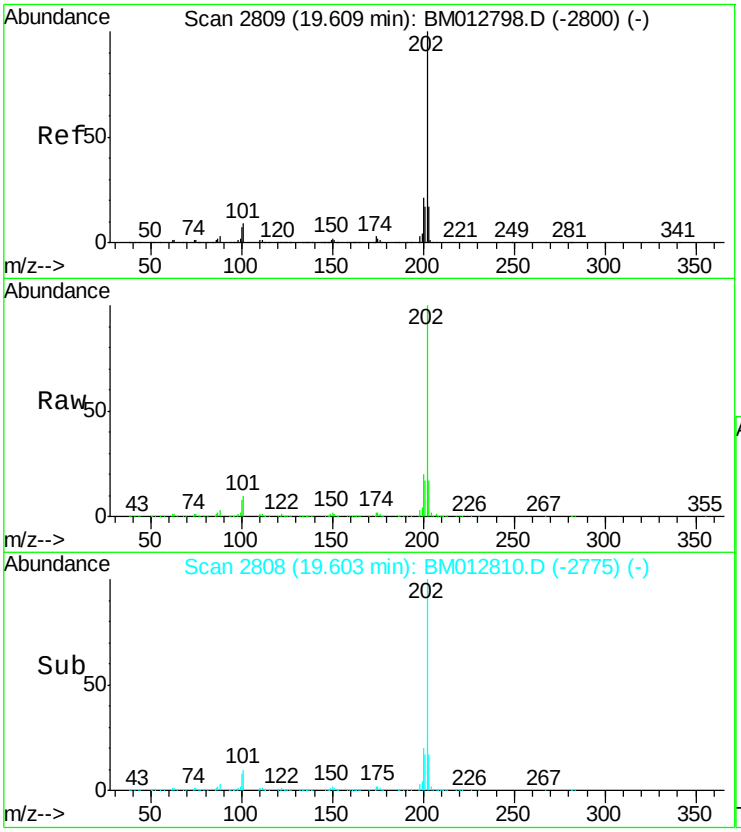




#76
Fluoranthene
Concen: 117.81 ng/ul
RT: 19.24 min Scan# 2746
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

Tgt Ion:202 Resp: 1169185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.9 | 8.8 | 13.2 |
| 100 | 6.6 | 6.6 | 9.8 |



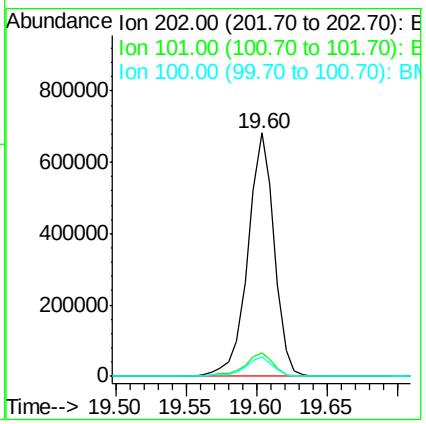


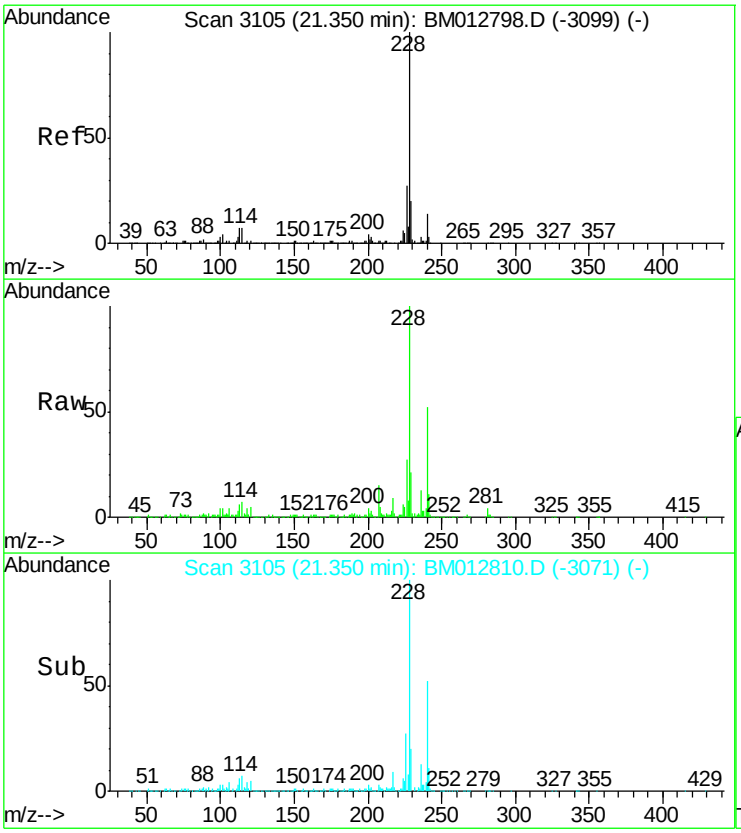

#79
Pyrene
Concen: 20.40 ng/ul
RT: 19.60 min Scan# 2808
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:202 Resp: 898975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 10.2 | 15.2# |
| 100 | 8.2 | 8.5 | 12.7# |

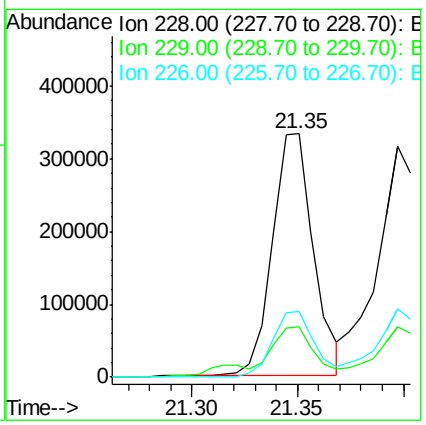


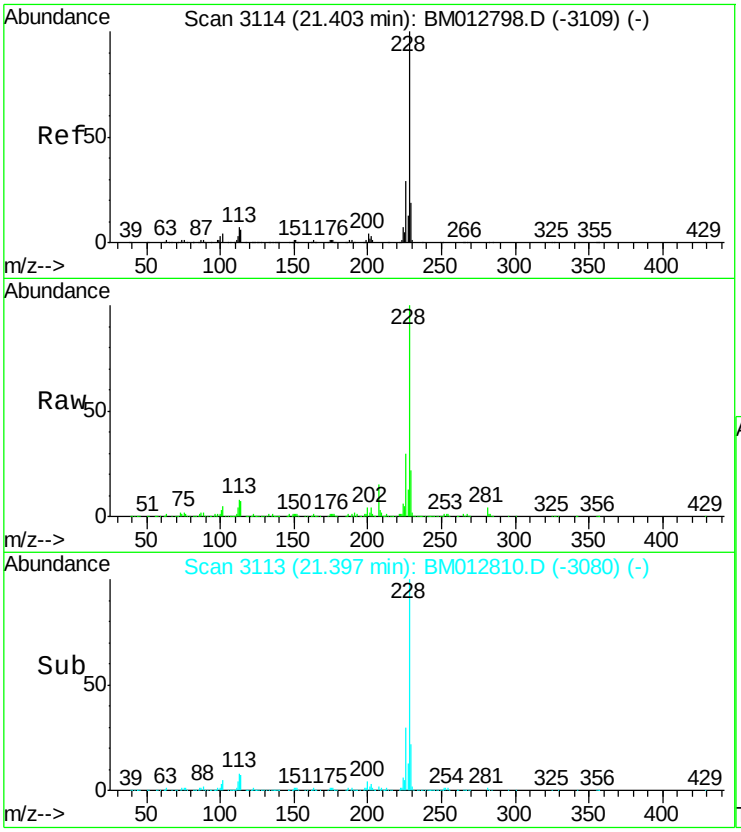




#82
Benzo(a)anthracene
Concen: 10.10 ng/ul
RT: 21.35 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

Tgt Ion:228 Resp: 451345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 15.7 | 23.5 |
| 226 | 27.2 | 21.8 | 32.6 |



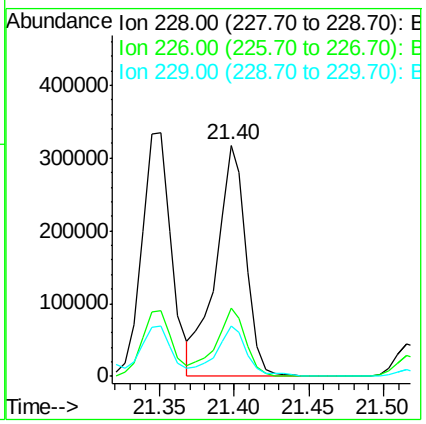


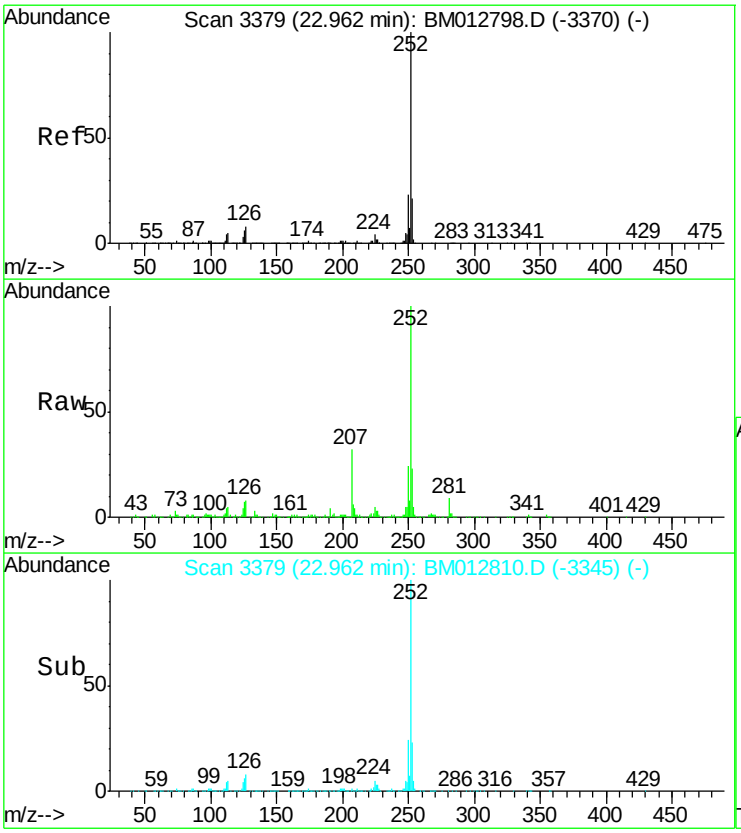

#84
Chrysene
Concen: 11.08 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:228 Resp: 448655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 24.0 | 36.0 |
| 229 | 21.8 | 15.6 | 23.4 |

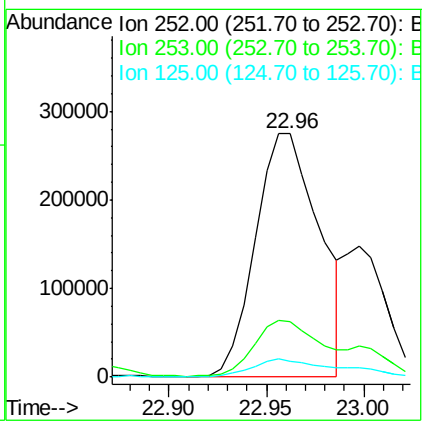


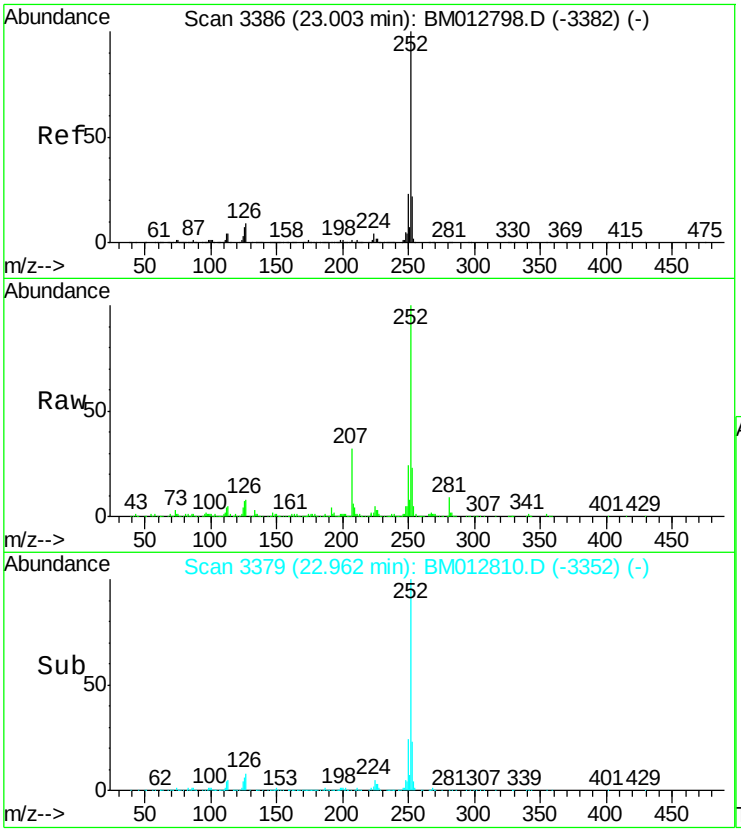




#87
Benzo(b)fluoranthene
Concen: 13.47 ng/ul
RT: 22.96 min Scan# 3379
Delta R.T. -0.00 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

Tgt Ion:252 Resp: 622240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.5 | 26.3 |
| 125 | 6.6 | 8.5 | 12.7# |



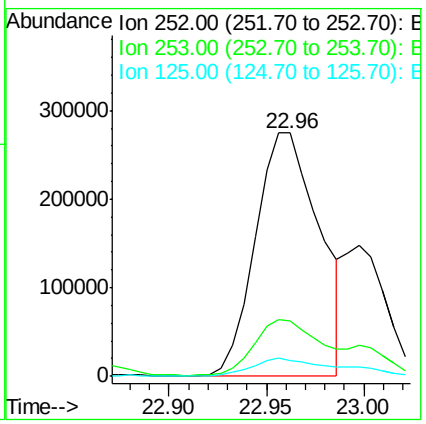


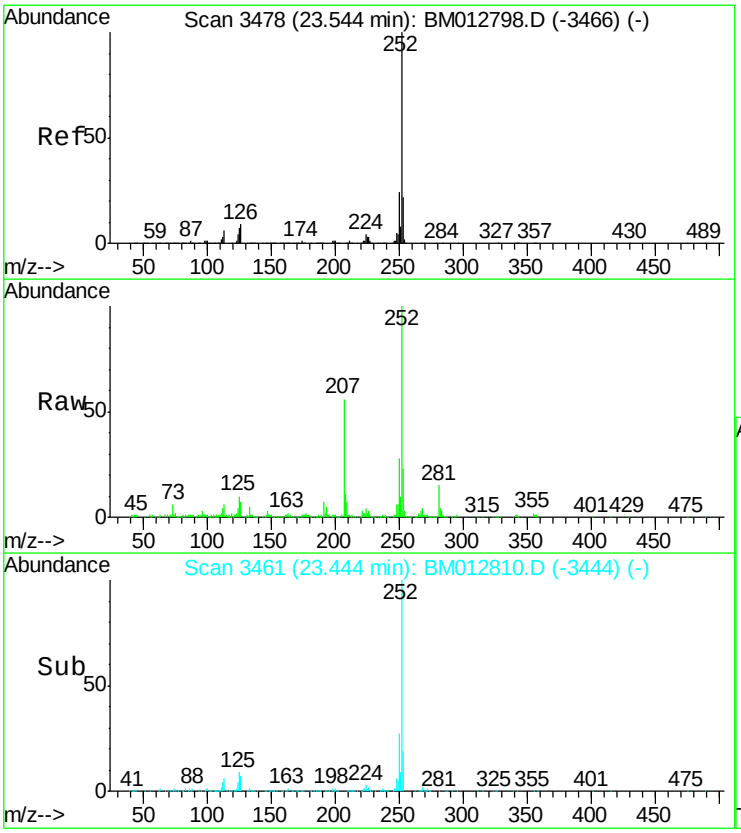

#88
Benzo(k)fluoranthene
Concen: 14.17 ng/ul
RT: 22.96 min Scan# 3379
Delta R.T. -0.04 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:252 Resp: 622240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.3 | 25.9 |
| 125 | 6.6 | 8.2 | 12.2# |

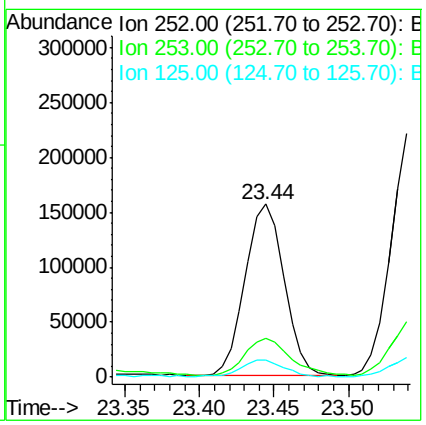


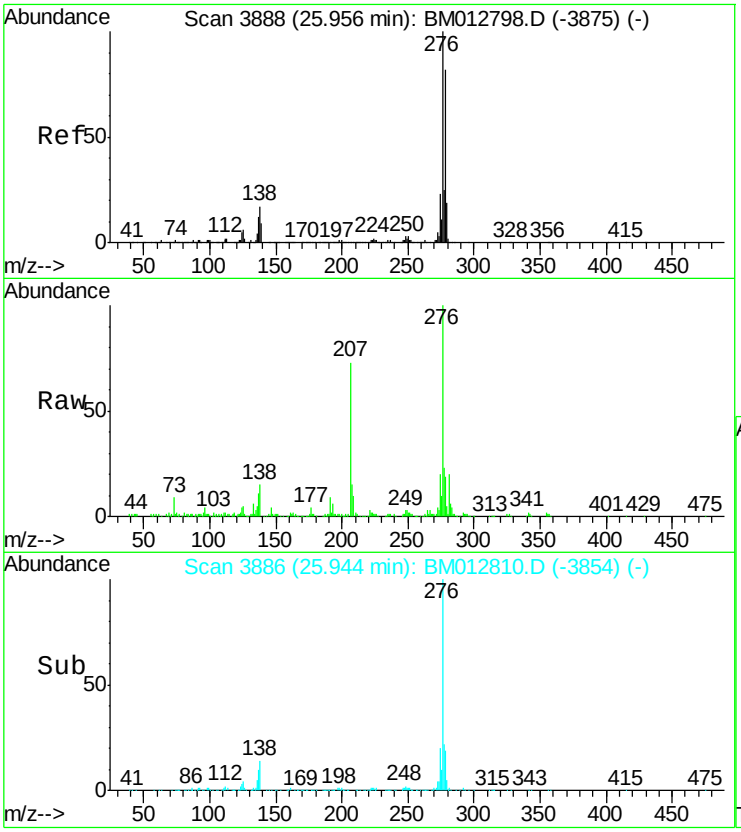




#90
Benzo(a)pyrene
Concen: 6.49 ng/ul
RT: 23.44 min Scan# 3461
Delta R.T. -0.10 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

Tgt Ion:252 Resp: 285268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.2 | 25.8 |
| 125 | 9.9 | 9.0 | 13.6 |



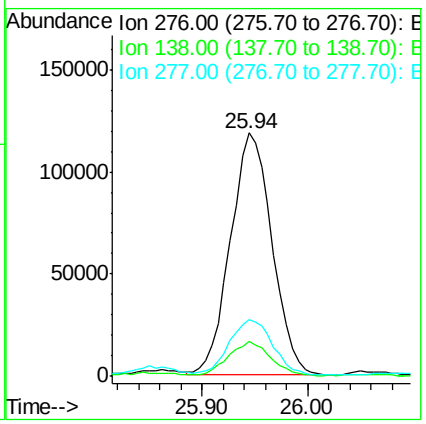


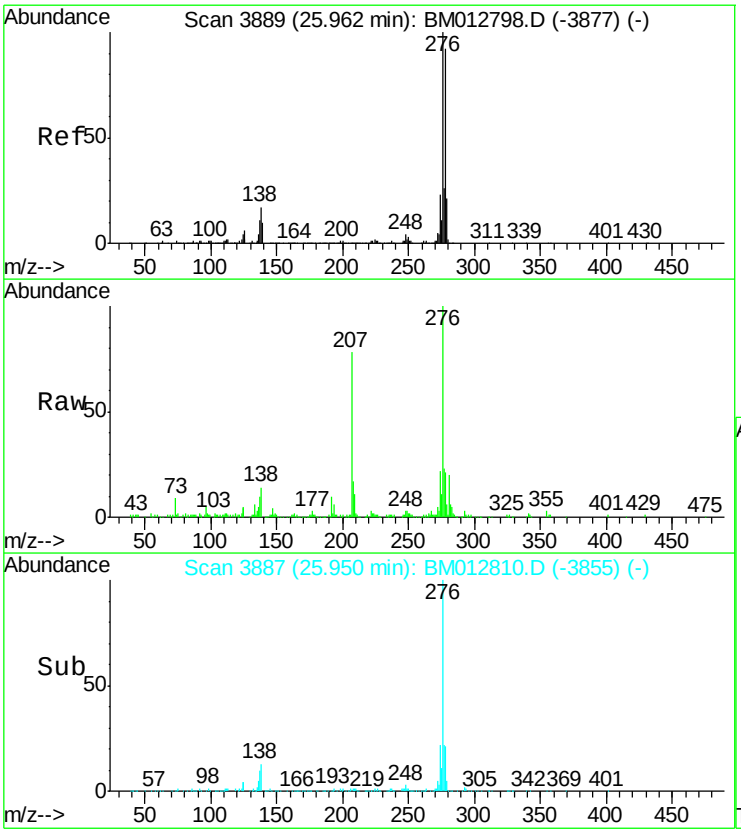

#91
Indeno(1,2,3-cd)pyrene
Concen: 6.12 ng/ul
RT: 25.94 min Scan# 3886
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:276 Resp: 324204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.6 | 22.3 | 33.5# |
| 277 | 23.3 | 20.2 | 30.2 |

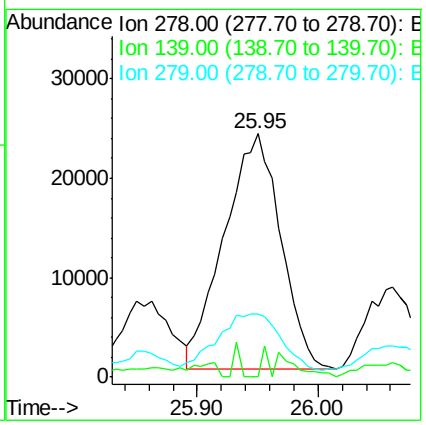


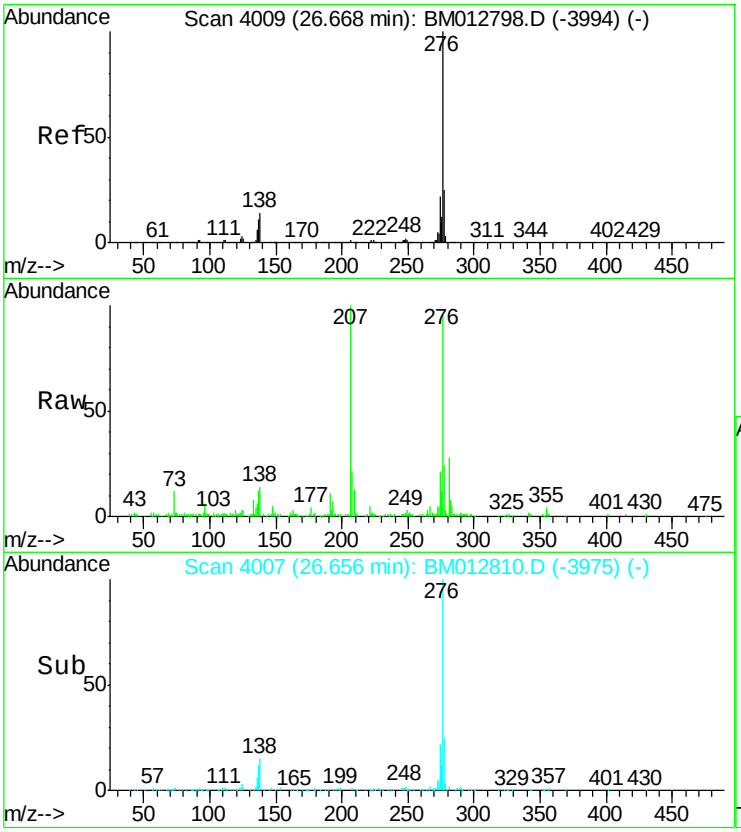




#92
Dibenzo(a,h)anthracene
Concen: 1.71 ng/ul
RT: 25.95 min Scan# 3887
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

Tgt Ion:278 Resp: 76849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 13.9 | 20.9# |
| 279 | 26.1 | 19.0 | 28.4 |






#93
Benzo(g,h,i)perylene
Concen: 6.37 ng/ul
RT: 26.66 min Scan# 4007
Delta R.T. -0.01 min
Lab File: BM012810.D
Acq: 07 Nov 2017 23:51

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

Tgt Ion:276 Resp: 277928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.1 | 18.9 | 28.3# |
| 277 | 25.1 | 19.2 | 28.8 |