Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 27 23:05:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 27 23:04:38 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.20 | 152 | 55526 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.02 | 136 | 241920 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.83 | 164 | 126831 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.66 | 188 | 324597 | 20.00 | ng/ul | 0.09 |
| 77) Chrysene-d12 | 21.68 | 240 | 216629 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 24.04 | 264 | 220702 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.46 | 96 | 6102 | 4.84 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.36 | 99 | 97895 | 19.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.53 | 67 | 74049 | 23.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.73 | 132 | 84334 | 20.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.92 | 113 | 84447 | 19.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.39 | 128 | 45061 | 25.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.11 | 143 | 35272 | 17.86 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.65 | 165 | 66433 | 17.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.17 | 131 | 108677 | 23.35 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.23 | 166 | 279283 | 24.16 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.53 | 160 | 334012 | 25.33 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 57) Fluorene-d10 | 15.82 | 176 | 227271 | 23.17 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.98 | 200 | 1200 | 0.55 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.66 | 188 | 324597 | 19.53 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.92 | 212 | 321046 | 31.97 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.89 | 264 | 320052 | 26.37 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 14.28 | 163 | 26588 | 2.322 | ng/ul# | 97 |
| 69) Phenanthrene | 17.70 | 178 | 20766 | 1.082 | ng/ul | 96 |
| 71) Anthracene | 17.70 | 178 | 20395 | 1.031 | ng/ul | 98 |
| 76) Fluoranthene | 19.59 | 202 | 185195 | 7.689 | ng/ul# | 94 |
| 79) Pyrene | 19.95 | 202 | 160577 | 12.574 | ng/ul# | 93 |
| 82) Benzo(a)anthracene | 21.66 | 228 | 89846 | 6.415 | ng/ul | 99 |
| 84) Chrysene | 21.72 | 228 | 77438 | 5.911 | ng/ul | 96 |
| 87) Benzo(b)fluoranthene | 23.33 | 252 | 109772 | 7.754 | ng/ul | 94 |
| 88) Benzo(k)fluoranthene | 23.33 | 252 | 109772 | 8.111 | ng/ul# | 94 |
| 90) Benzo(a)pyrene | 23.94 | 252 | 81634 | 5.997 | ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 26.46 | 276 | 55042 | 3.289 | ng/ul# | 91 |
| 92) Dibenzo(a,h)anthracene | 26.46 | 278 | 16113 | 1.137 | ng/ul# | 69 |
| 93) Benzo(g,h,i)perylene | 27.20 | 276 | 47956 | 3.584 | ng/ul | 92 |

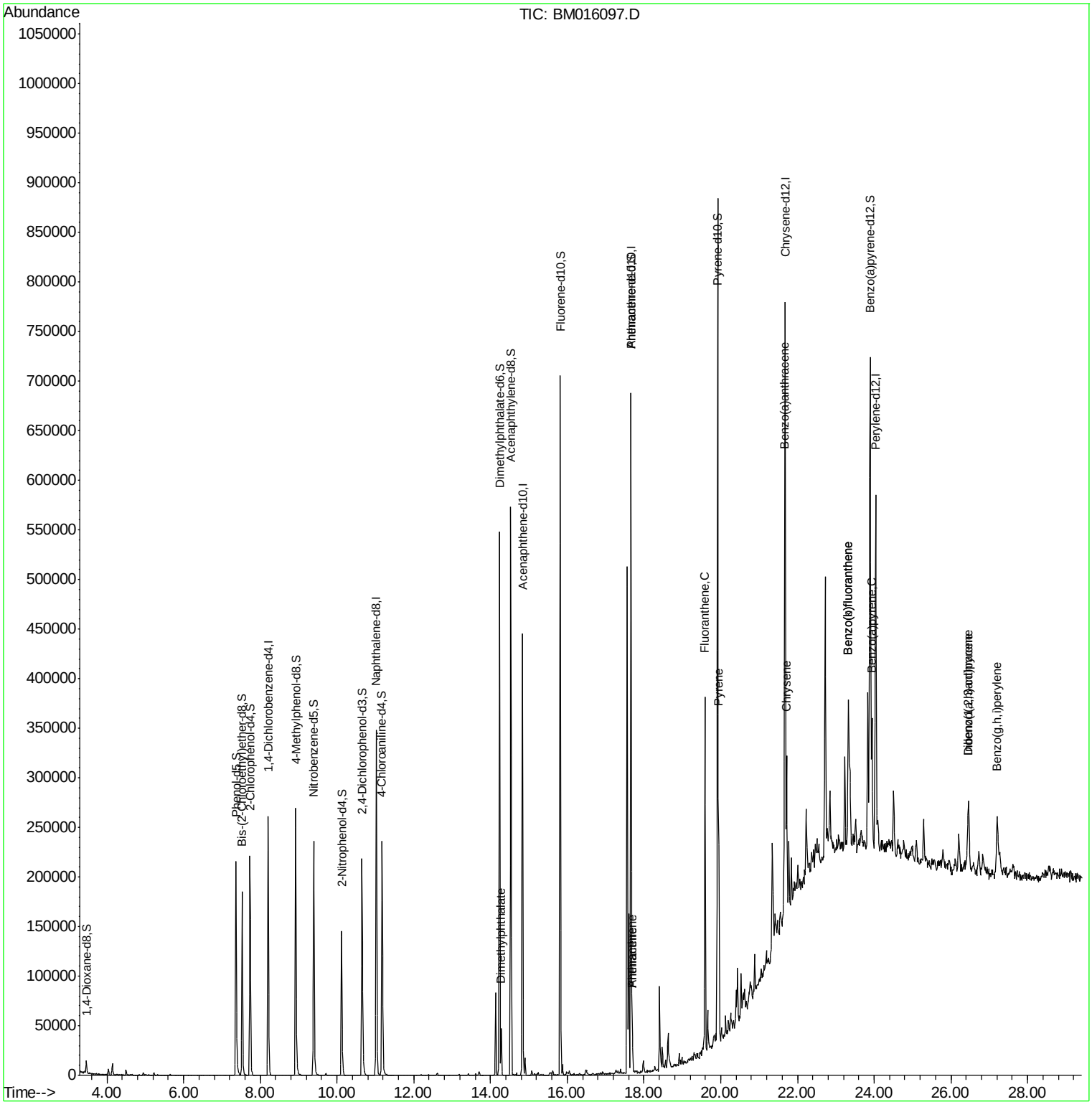
(#) = qualifier out of range (m) = manual integration (+) = signals summed

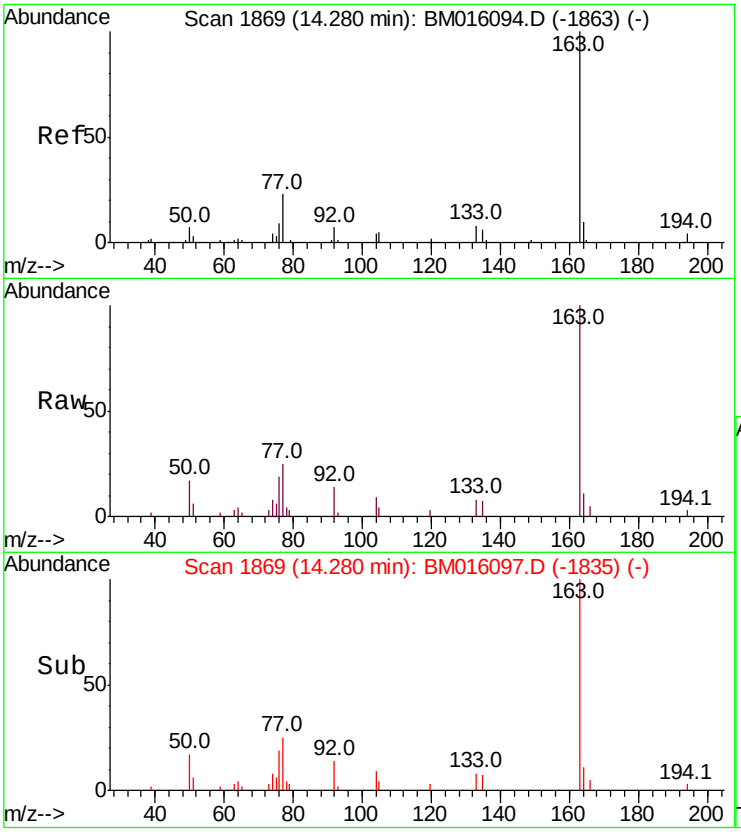
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 27 23:05:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 27 23:04:38 2018
Response via : Initial Calibration



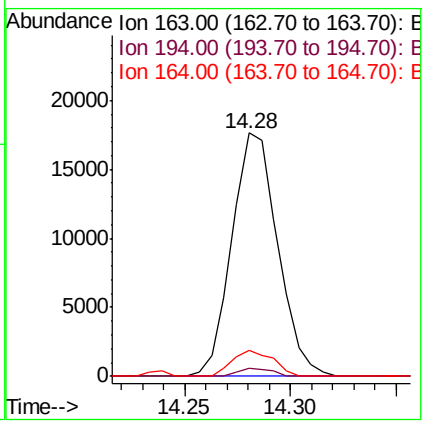


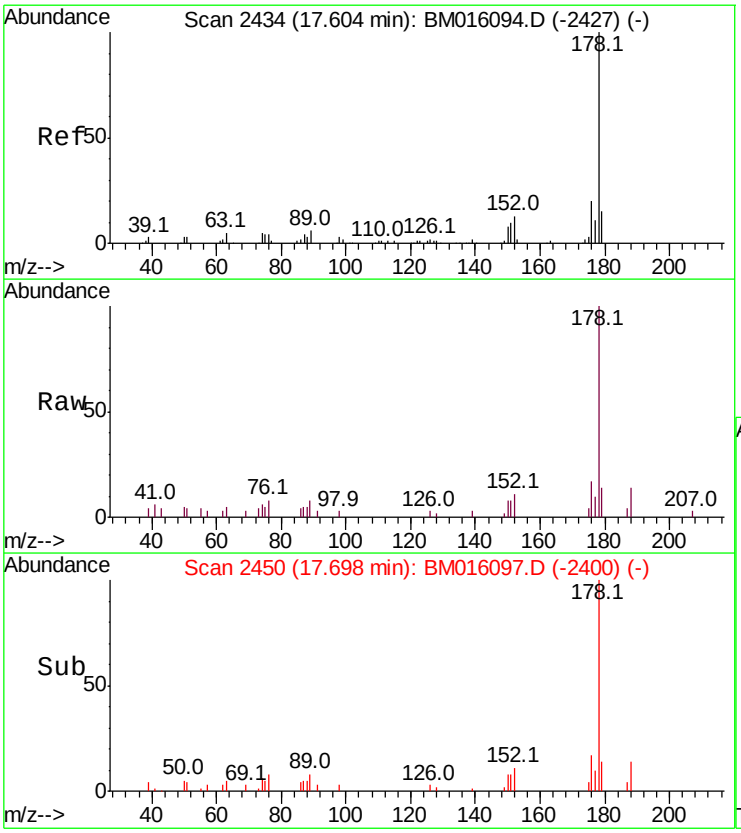

#44
Dimethylphthalate
Concen: 2.322 ng/ul
RT: 14.28 min Scan# 1869
Delta R.T. 0.00 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

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

Tgt Ion:163 Resp: 26588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 3.2 | 4.8# |
| 164 | 10.9 | 7.8 | 11.8 |

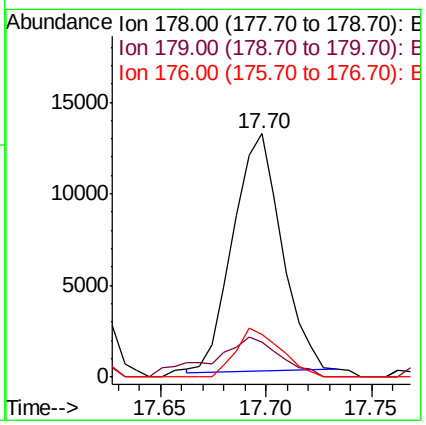


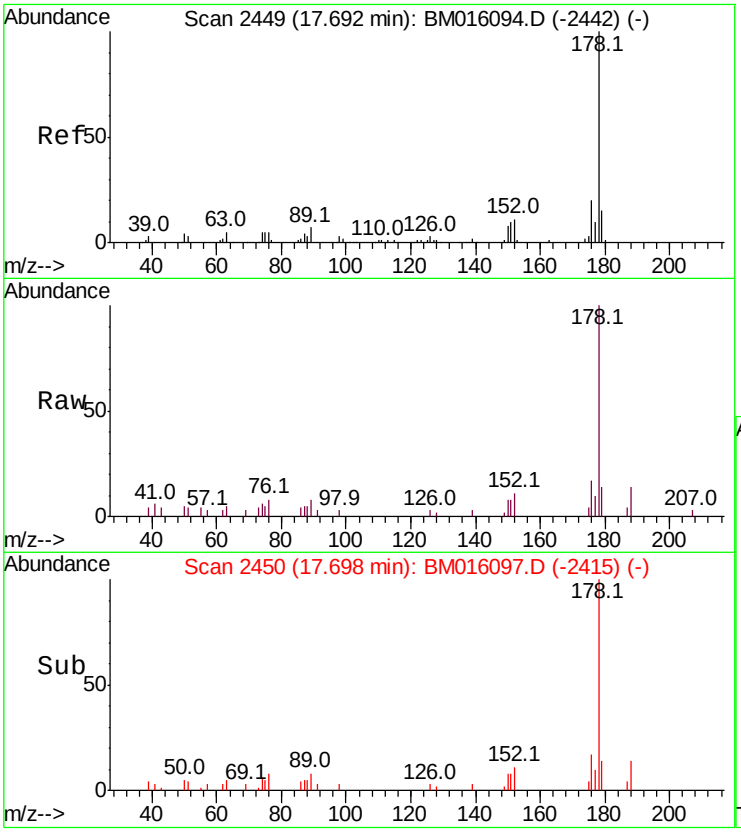




#69
Phenanthrene
Concen: 1.082 ng/ul
RT: 17.70 min Scan# 2450
Delta R.T. 0.09 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

Tgt Ion:178 Resp: 20766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.5 | 12.2 | 18.4 |
| 176 | 17.3 | 15.6 | 23.4 |



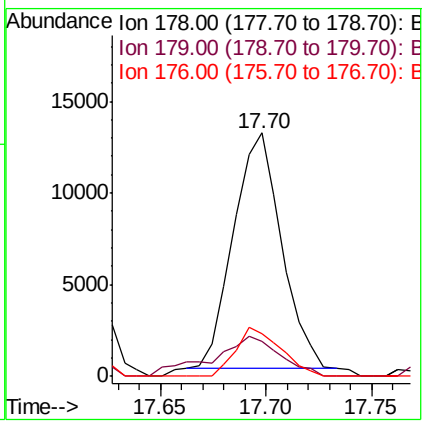


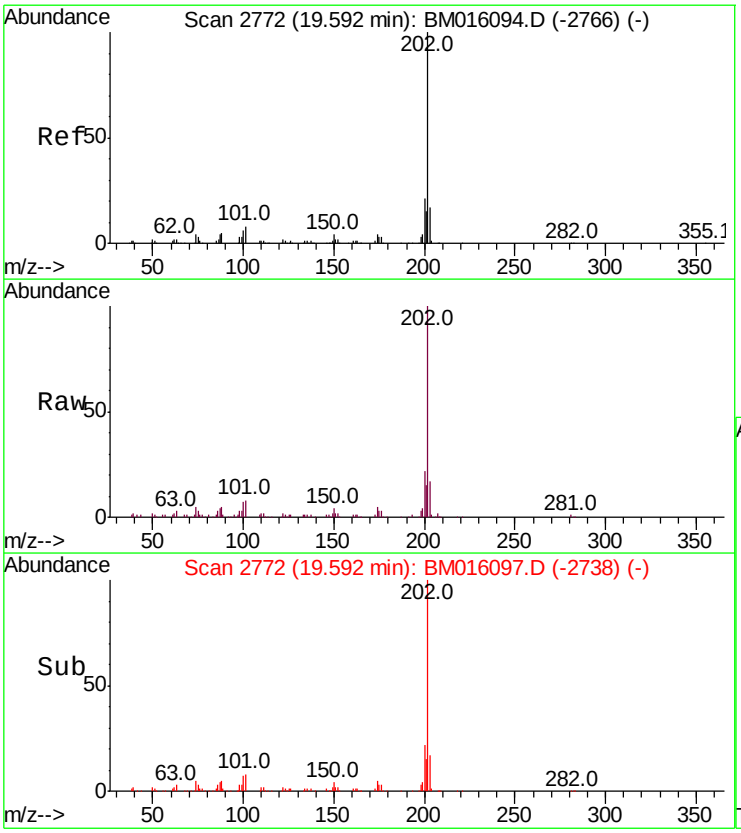

#71
Anthracene
Concen: 1.031 ng/ul
RT: 17.70 min Scan# 2450
Delta R.T. 0.01 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

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

Tgt Ion:178 Resp: 20395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.5 | 12.1 | 18.1 |
| 176 | 17.3 | 14.8 | 22.2 |

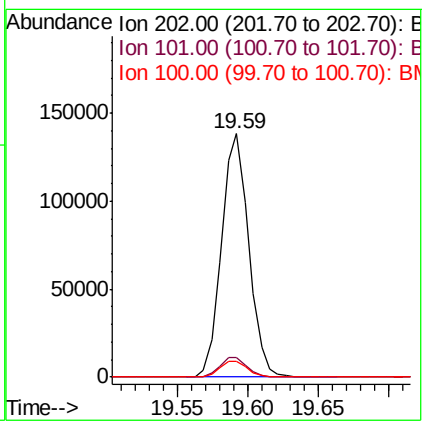


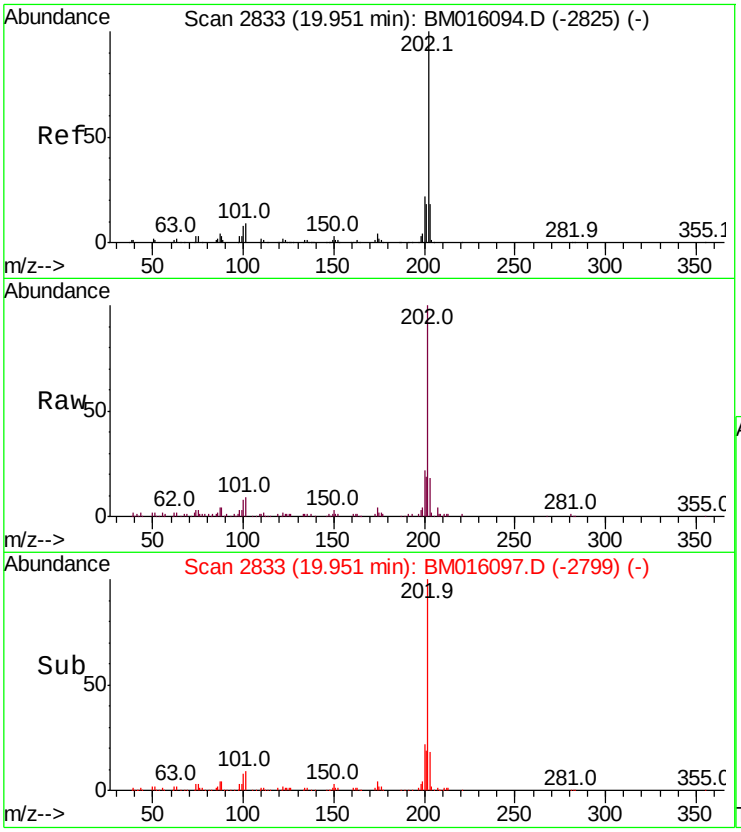




#76
Fluoranthene
Concen: 7.689 ng/ul
RT: 19.59 min Scan# 2772
Delta R.T. 0.00 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

Tgt Ion:202 Resp: 185195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.9 | 8.8 | 13.2# |
| 100 | 6.7 | 6.6 | 9.8 |



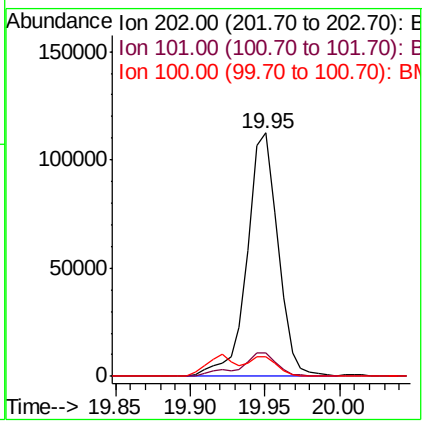


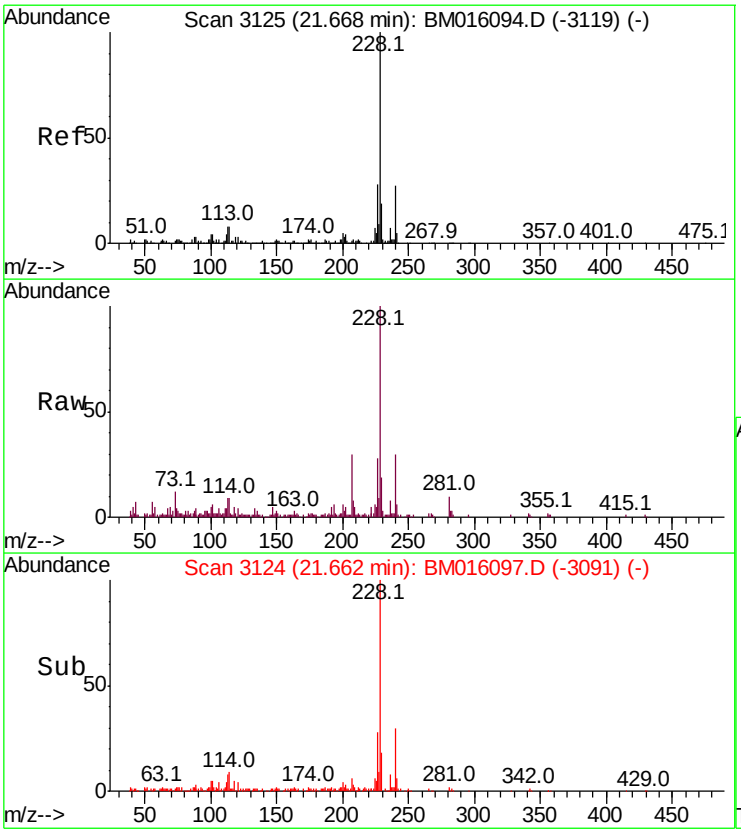

#79
Pyrene
Concen: 12.574 ng/ul
RT: 19.95 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

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

Tgt Ion:202 Resp: 160577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 10.2 | 15.2# |
| 100 | 8.3 | 8.5 | 12.7# |

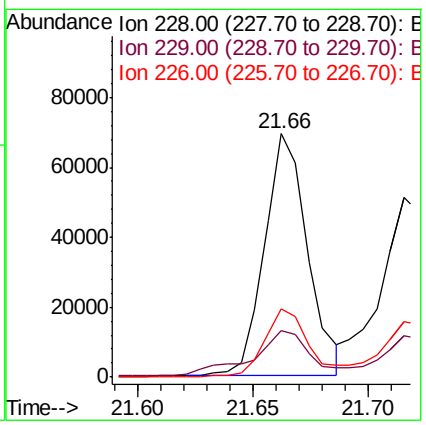


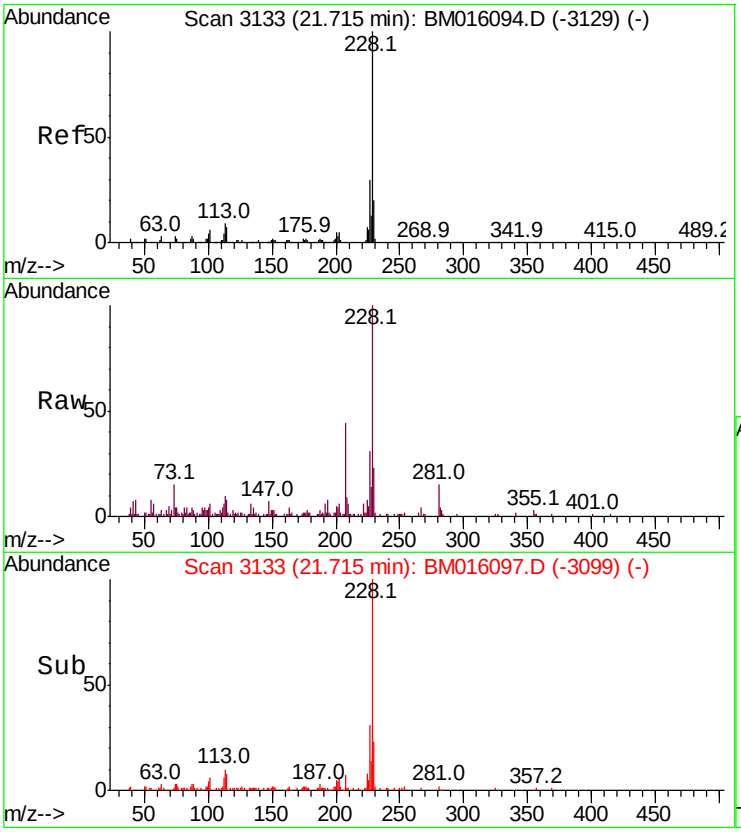




#82
Benzo(a)anthracene
Concen: 6.415 ng/ul
RT: 21.66 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

Tgt Ion:228 Resp: 89846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.0 | 15.7 | 23.5 |
| 226 | 28.0 | 21.8 | 32.6 |



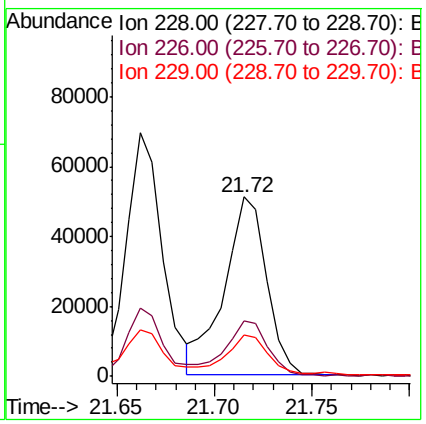


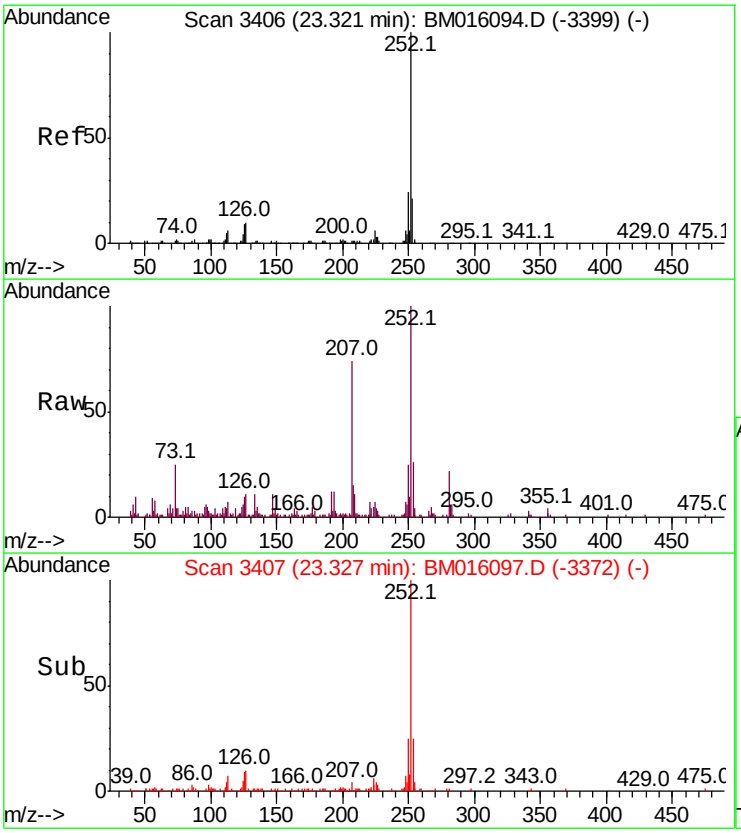

#84
Chrysene
Concen: 5.911 ng/ul
RT: 21.72 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

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

Tgt Ion:228 Resp: 77438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 24.0 | 36.0 |
| 229 | 22.8 | 15.6 | 23.4 |

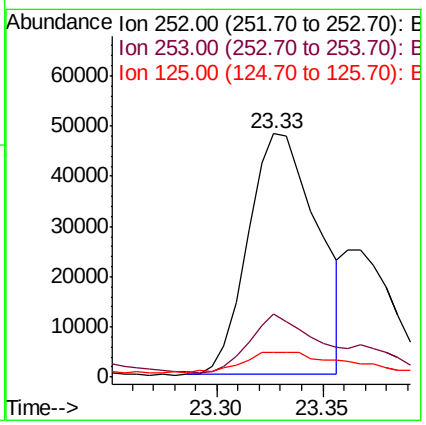


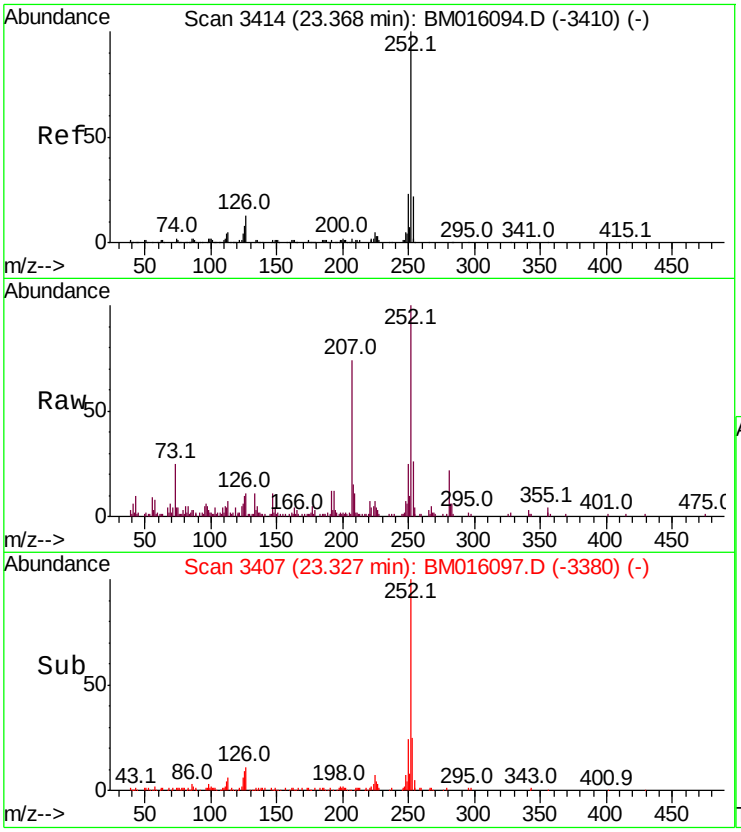




#87
Benzo(b)fluoranthene
Concen: 7.754 ng/ul
RT: 23.33 min Scan# 3407
Delta R.T. 0.01 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

Tgt Ion:252 Resp: 109772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.1 | 17.5 | 26.3 |
| 125 | 10.2 | 8.5 | 12.7 |



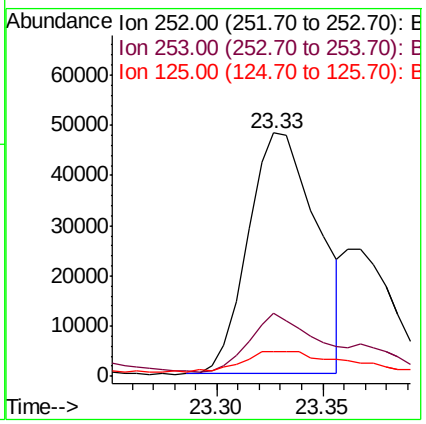


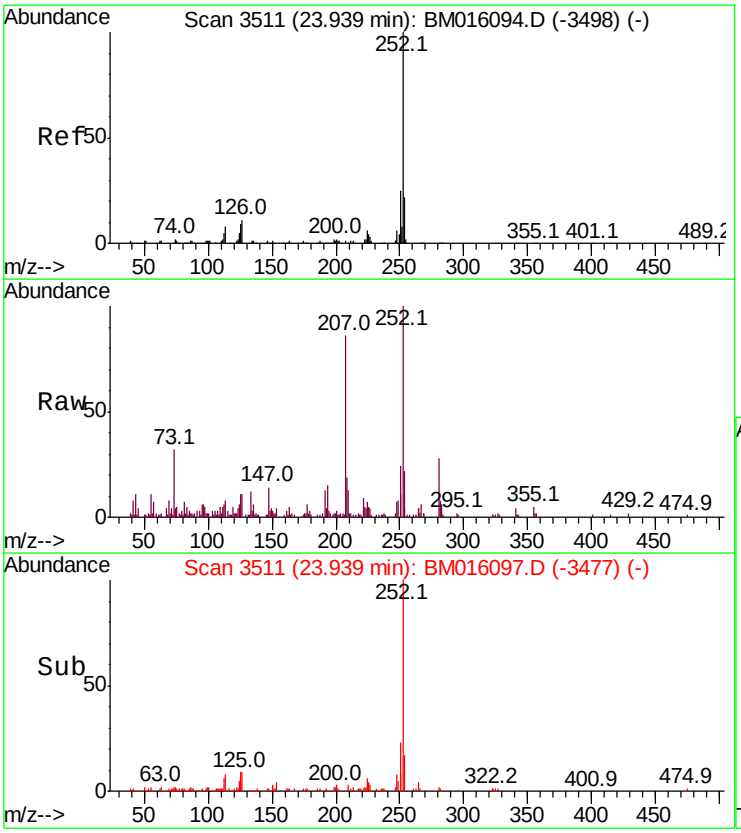

#88
Benzo(k)fluoranthene
Concen: 8.111 ng/ul
RT: 23.33 min Scan# 3407
Delta R.T. -0.04 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

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

Tgt Ion:252 Resp: 109772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.1 | 17.3 | 25.9# |
| 125 | 10.2 | 8.2 | 12.2 |

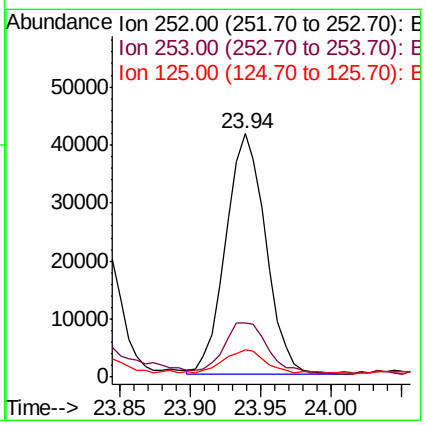


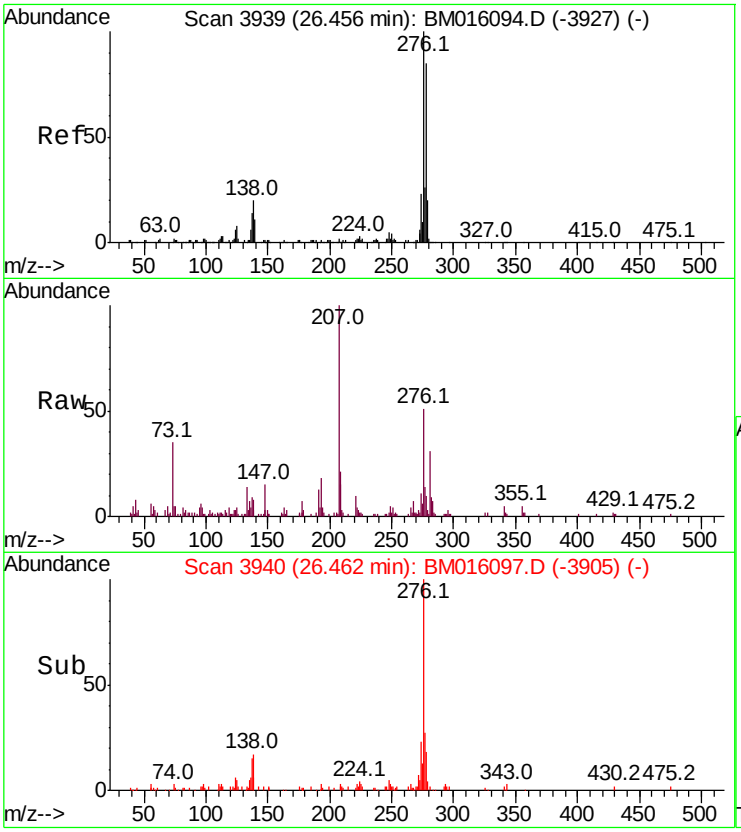




#90
Benzo(a)pyrene
Concen: 5.997 ng/ul
RT: 23.94 min Scan# 3511
Delta R.T. 0.00 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

Tgt Ion:252 Resp: 81634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.2 | 25.8 |
| 125 | 11.3 | 9.0 | 13.6 |



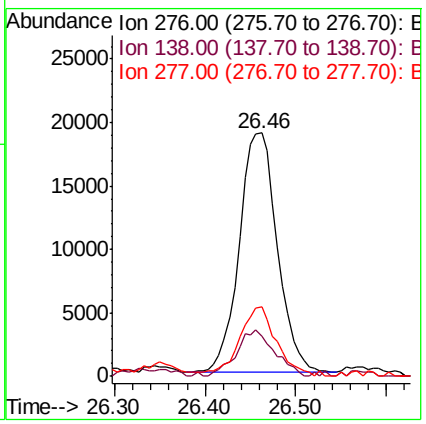


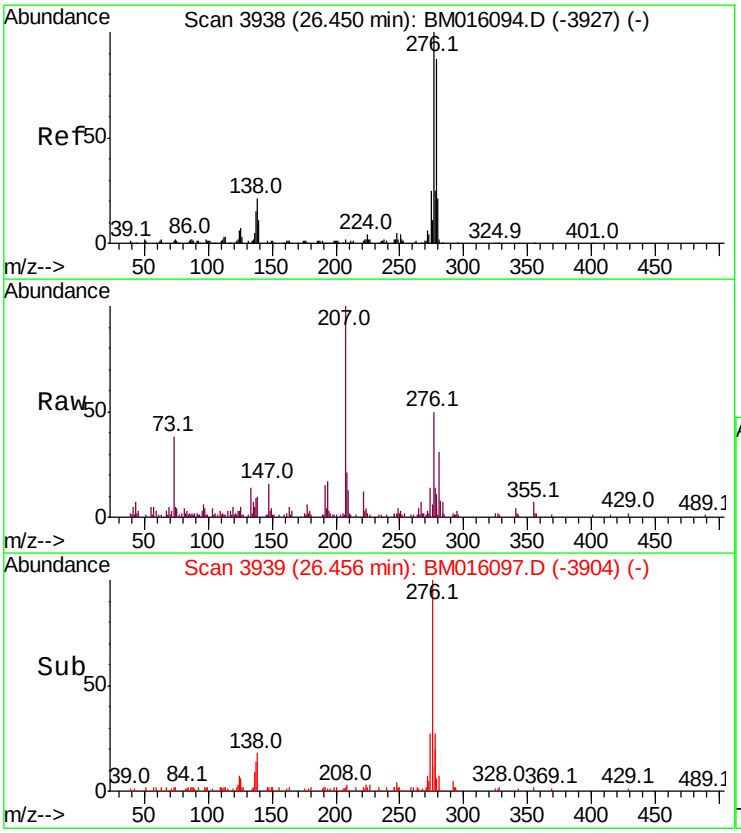

#91
Indeno(1,2,3-cd)pyrene
Concen: 3.289 ng/ul
RT: 26.46 min Scan# 3940
Delta R.T. 0.01 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

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

Tgt Ion:276 Resp: 55042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.3 | 22.3 | 33.5# |
| 277 | 28.5 | 20.2 | 30.2 |

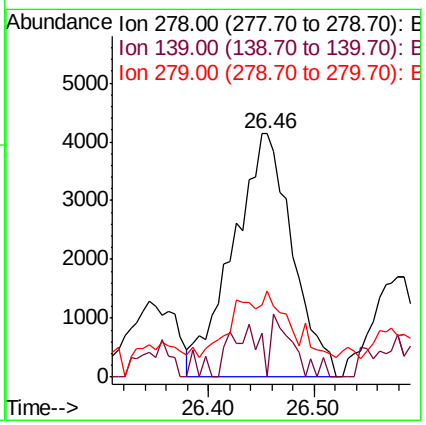


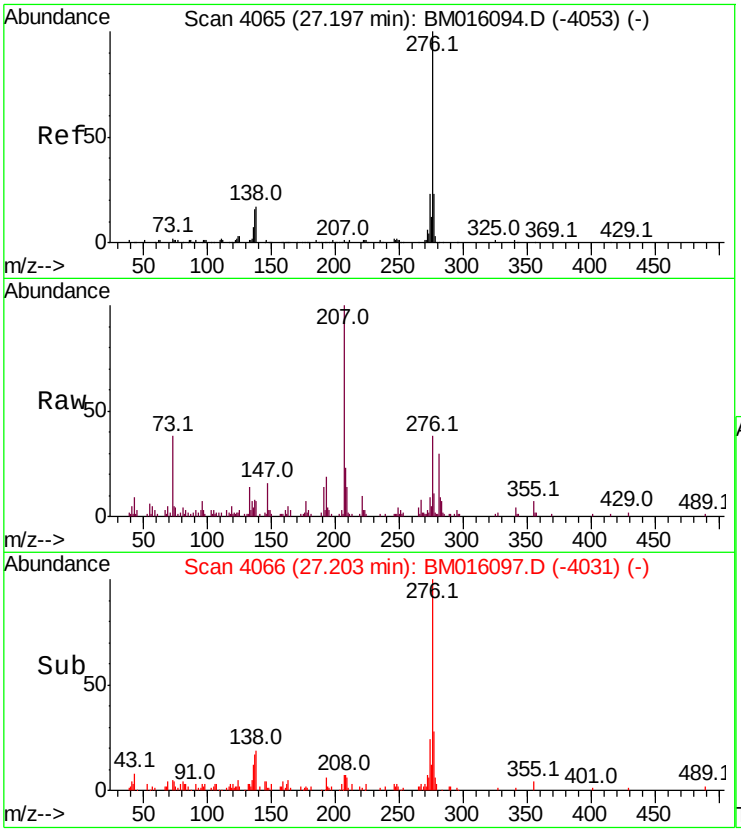




#92
Dibenzo(a,h)anthracene
Concen: 1.137 ng/ul
RT: 26.46 min Scan# 3939
Delta R.T. 0.01 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

Tgt Ion:278 Resp: 16113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 13.9 | 20.9# |
| 279 | 35.3 | 19.0 | 28.4# |






#93
Benzo(g,h,i)perylene
Concen: 3.584 ng/ul
RT: 27.20 min Scan# 4066
Delta R.T. 0.01 min
Lab File: BM016097.D
Acq: 27 Jul 2018 11:43

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

Tgt Ion:276 Resp: 47956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.4 | 18.9 | 28.3 |
| 277 | 28.1 | 19.2 | 28.8 |