Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004047.D
Acq On : 15 Jan 2016 14:47
Operator : SJ/UM
Sample : H1100-13DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BC9C7DL

Quant Time: Jan 16 00:37:51 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 16 00:22:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 35950 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 176302 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.32 | 164 | 101380 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.07 | 188 | 219431 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.28 | 240 | 179229 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.51 | 264 | 161261 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0 | 0.00 | ng/uL | |
| 5) Phenol-d5 | 6.85 | 99 | 6244 | 2.09 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.00 | 67 | 3817 | 2.26 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.20 | 132 | 5568 | 2.27 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.38 | 113 | 4463 | 1.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.83 | 128 | 2355 | 1.77 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.55 | 143 | 2341 | 1.61 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.09 | 165 | 4920 | 1.90 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.60 | 131 | 3210 | 0.94 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6 | 13.73 | 166 | 18684 | 2.35 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.01 | 160 | 22866 | 2.36 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.56 | 143 | 422 | 0.30 | ng/ul | 0.02 |
| 58) Fluorene-d10 | 15.32 | 176 | 17963 | 2.66 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 353 | 0.29 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.17 | 188 | 26382 | 2.60 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.47 | 212 | 26560 | 2.86 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.37 | 264 | 21326 | 2.65 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 70) Phenanthrene | 17.12 | 178 | 59079 | 4.79 | ng/ul | 98 |
| 72) Anthracene | 17.20 | 178 | 14656 | 1.16 | ng/ul | 99 |
| 77) Fluoranthene | 19.14 | 202 | 108060 | 8.43 | ng/ul | 100 |
| 80) Pyrene | 19.50 | 202 | 111072 | 9.13 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.26 | 228 | 47002 | 4.40 | ng/ul | 97 |
| 85) Chrysene | 21.32 | 228 | 52388 | 5.17 | ng/ul | 98 |
| 88) Benzo(b)fluoranthene | 22.84 | 252 | 50926 | 5.19 | ng/ul | 97 |
| 89) Benzo(k)fluoranthene | 22.84 | 252 | 13385 | 1.43 | ng/ul | 97 |
| 91) Benzo(a)pyrene | 23.41 | 252 | 39806 | 4.28 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 25.76 | 276 | 24034 | 2.34 | ng/ul | 96 |
| 94) Benzo(g,h,i)perylene | 26.45 | 276 | 19240 | 2.23 | ng/ul | 95 |

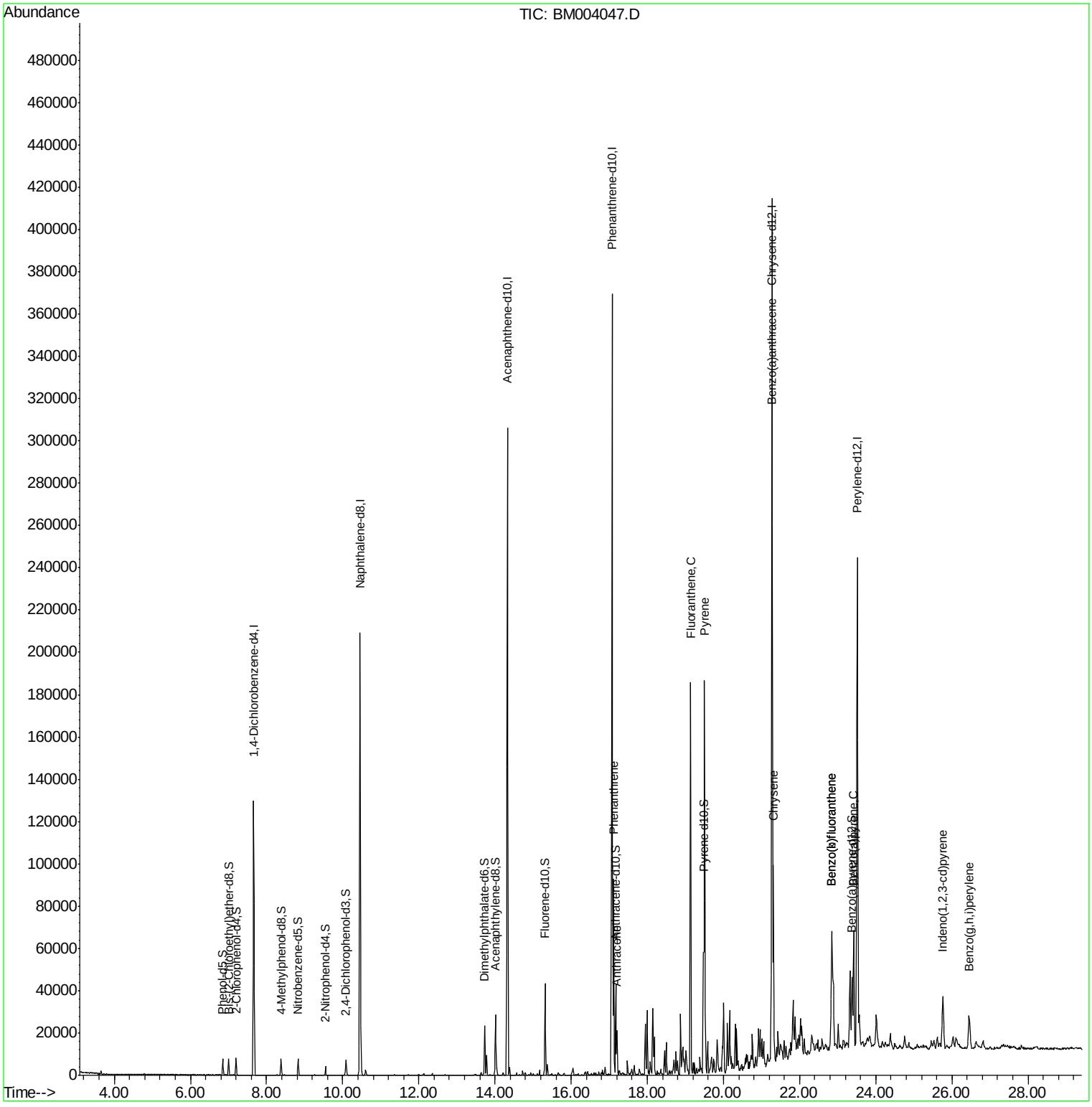
(#) = qualifier out of range (m) = manual integration (+) = signals summed

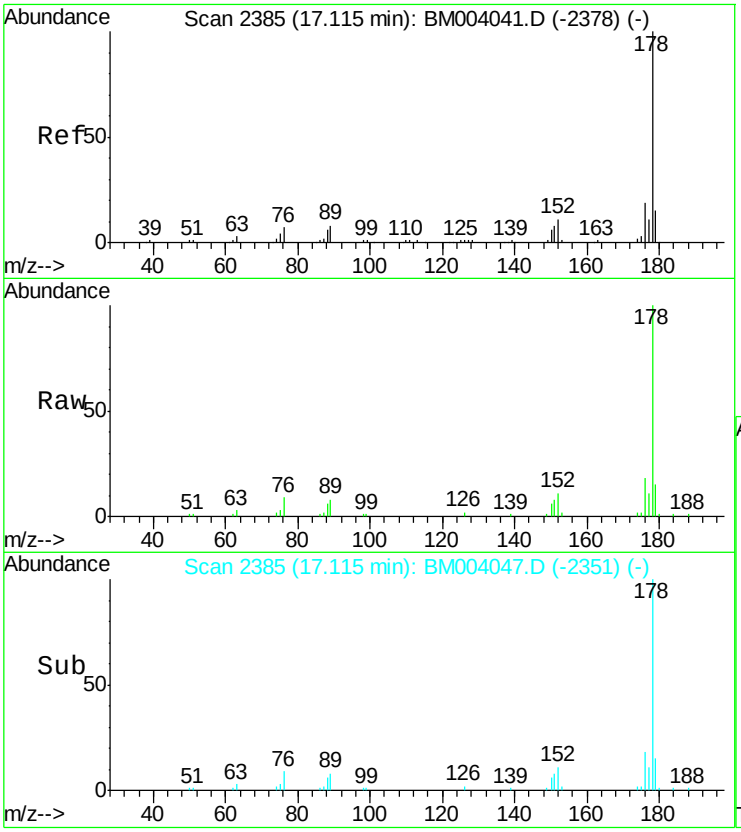
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004047.D
Acq On : 15 Jan 2016 14:47
Operator : SJ/UM
Sample : H1100-13DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BC9C7DL

Quant Time: Jan 16 00:37:51 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 16 00:22:06 2016
Response via : Initial Calibration



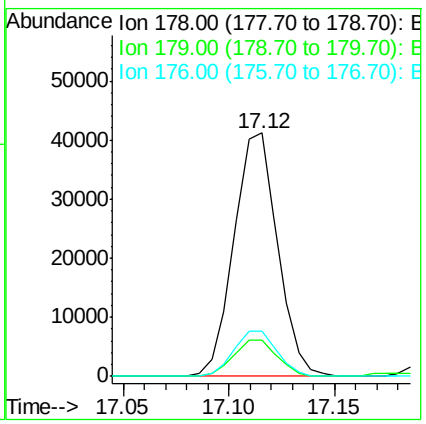


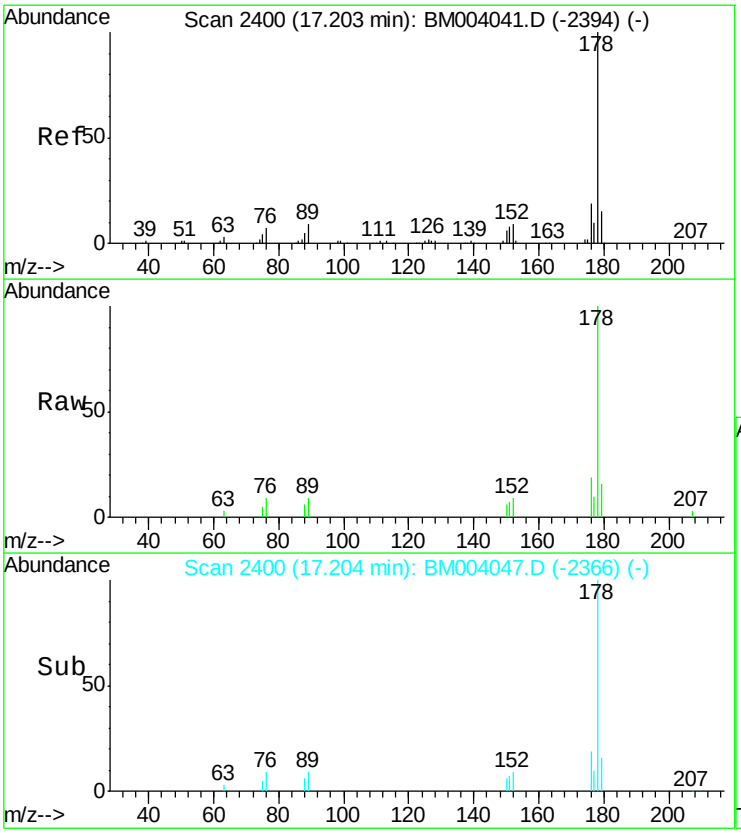

#70
Phenanthrene
Concen: 4.79 ng/ul
RT: 17.12 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

**Instrument :**
BNA_M
**ClientSampleId :**
BC9C7DL

Tgt Ion:178 Resp: 59079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.9 | 12.2 | 18.4 |
| 176 | 18.3 | 15.6 | 23.4 |

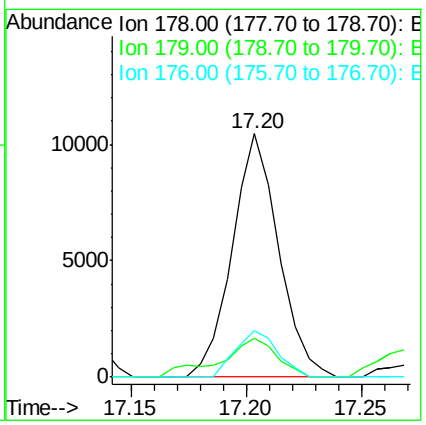


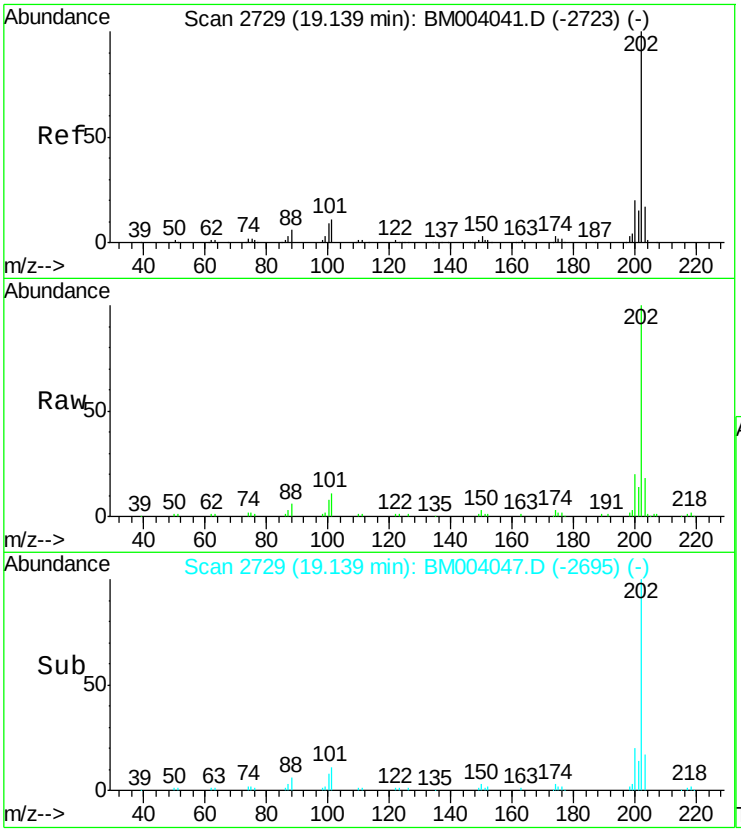




#72
Anthracene
Concen: 1.16 ng/ul
RT: 17.20 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

Tgt Ion:178 Resp: 14656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.1 | 18.1 |
| 176 | 18.9 | 14.8 | 22.2 |



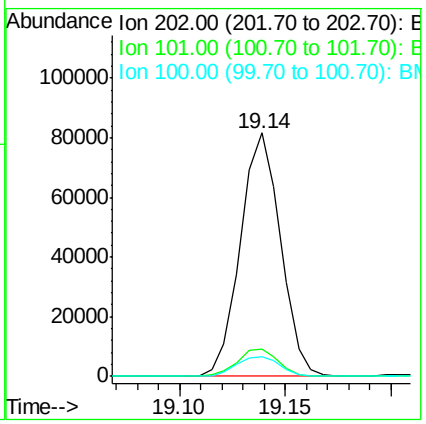


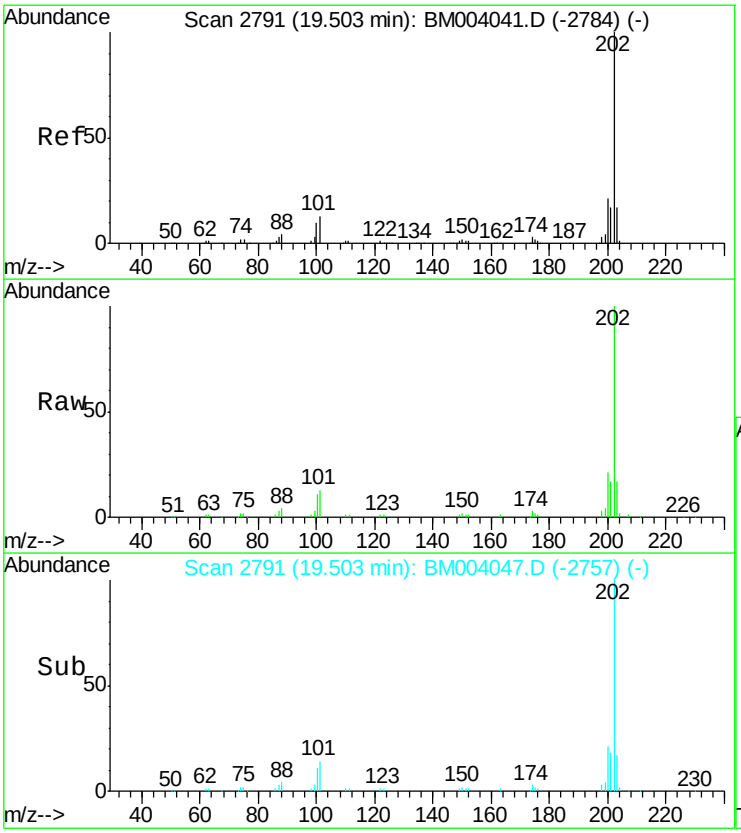

#77
Fluoranthene
Concen: 8.43 ng/ul
RT: 19.14 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

**Instrument :**
BNA_M
**ClientSampleId :**
BC9C7DL

Tgt Ion:202 Resp: 108060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 8.8 | 13.2 |
| 100 | 8.3 | 6.6 | 9.8 |

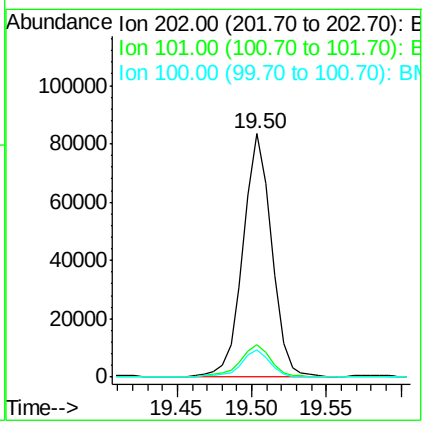


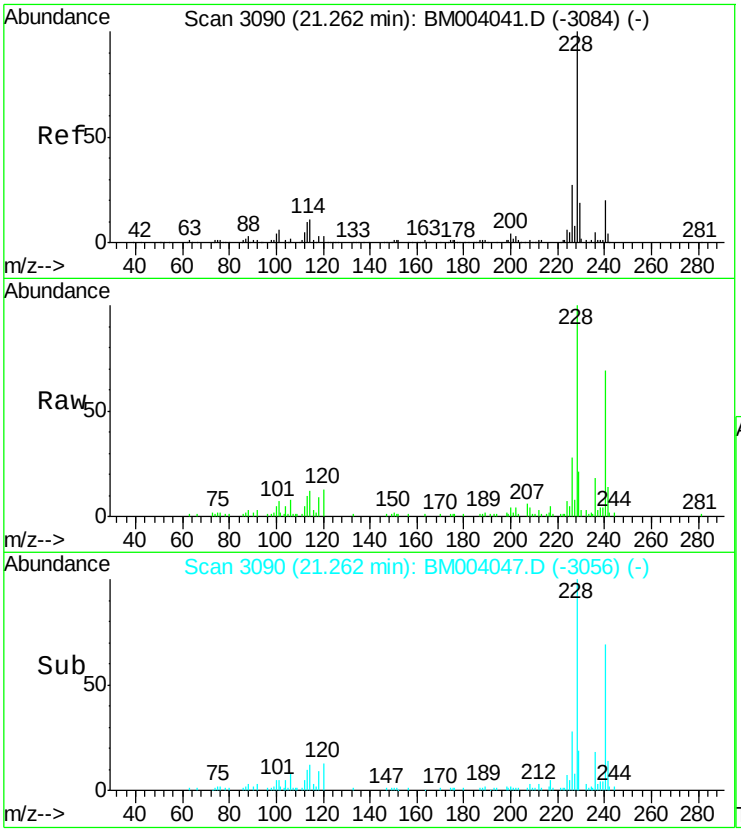




#80
Pyrene
Concen: 9.13 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

Tgt Ion:202 Resp: 111072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 10.2 | 15.2 |
| 100 | 11.2 | 8.5 | 12.7 |



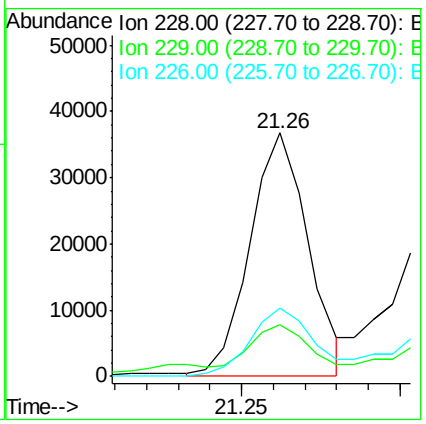


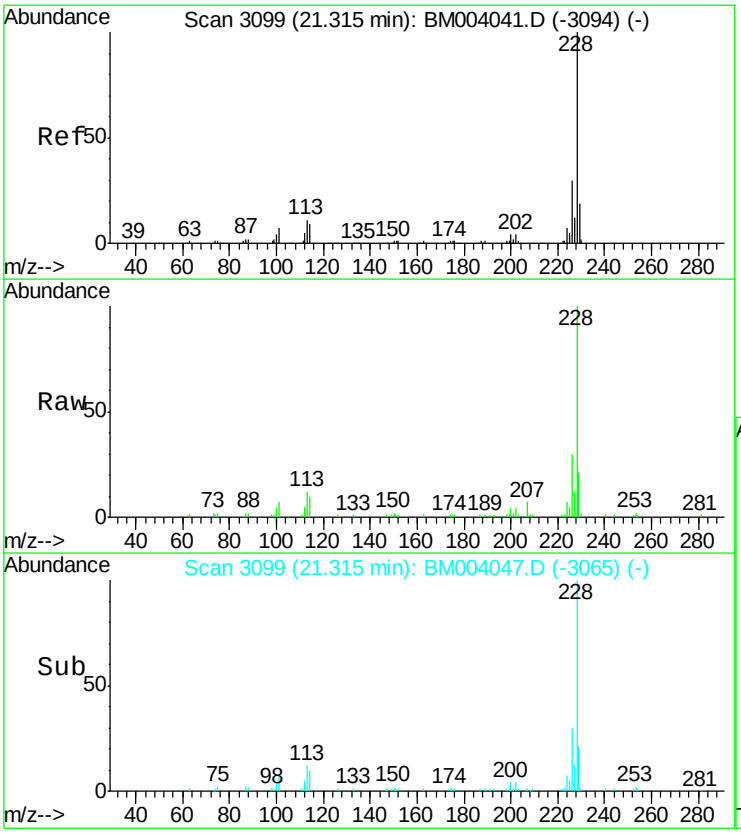

#83
Benzo(a)anthracene
Concen: 4.40 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

**Instrument :**
BNA_M
**ClientSampleId :**
BC9C7DL

Tgt Ion:228 Resp: 47002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.1 | 15.7 | 23.5 |
| 226 | 28.2 | 21.8 | 32.6 |

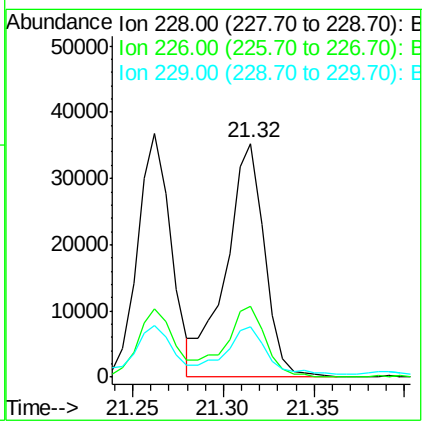


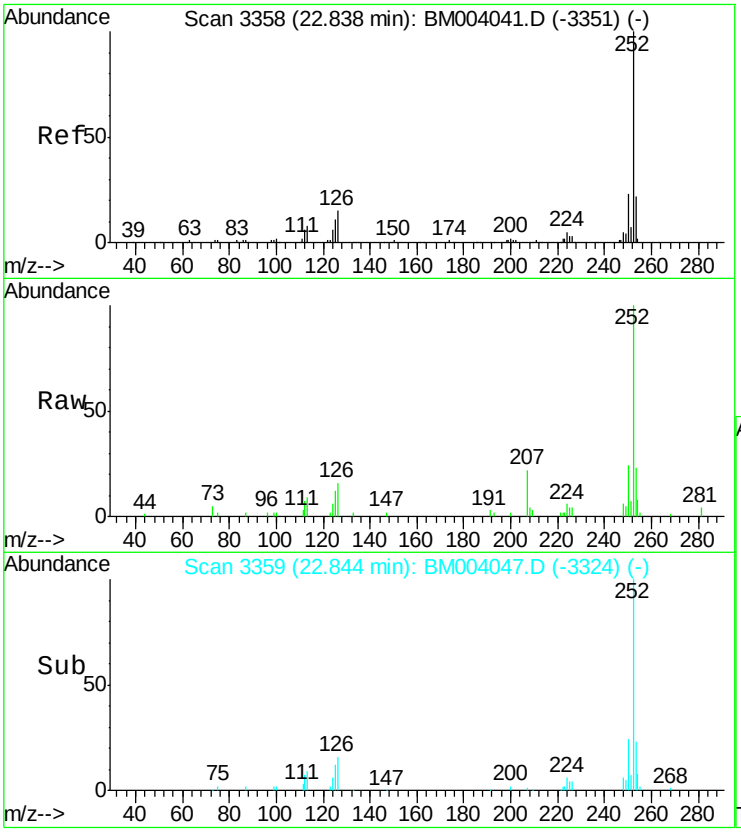




#85
Chrysene
Concen: 5.17 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

Tgt Ion:228 Resp: 52388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.0 | 36.0 |
| 229 | 21.4 | 15.6 | 23.4 |



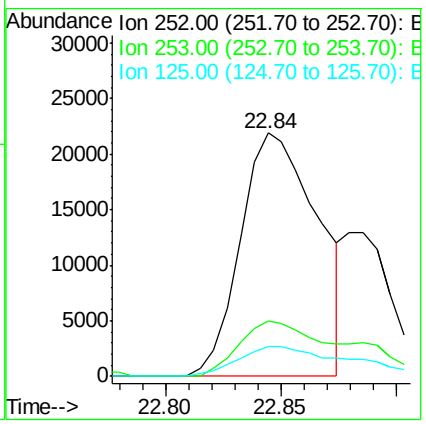


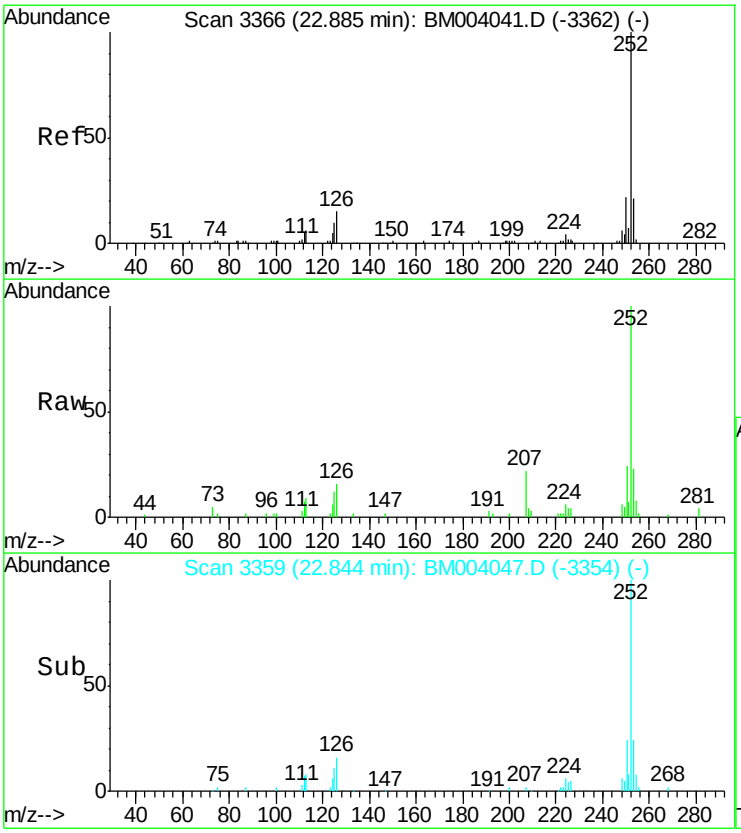

#88
Benzo(b)fluoranthene
Concen: 5.19 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. 0.01 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

**Instrument :**
BNA_M
**ClientSampleId :**
BC9C7DL

Tgt Ion:252 Resp: 50926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.5 | 26.3 |
| 125 | 12.0 | 8.5 | 12.7 |

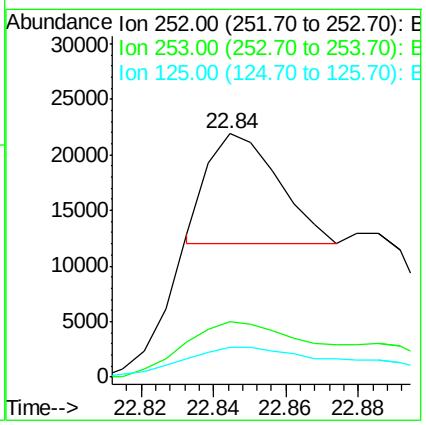


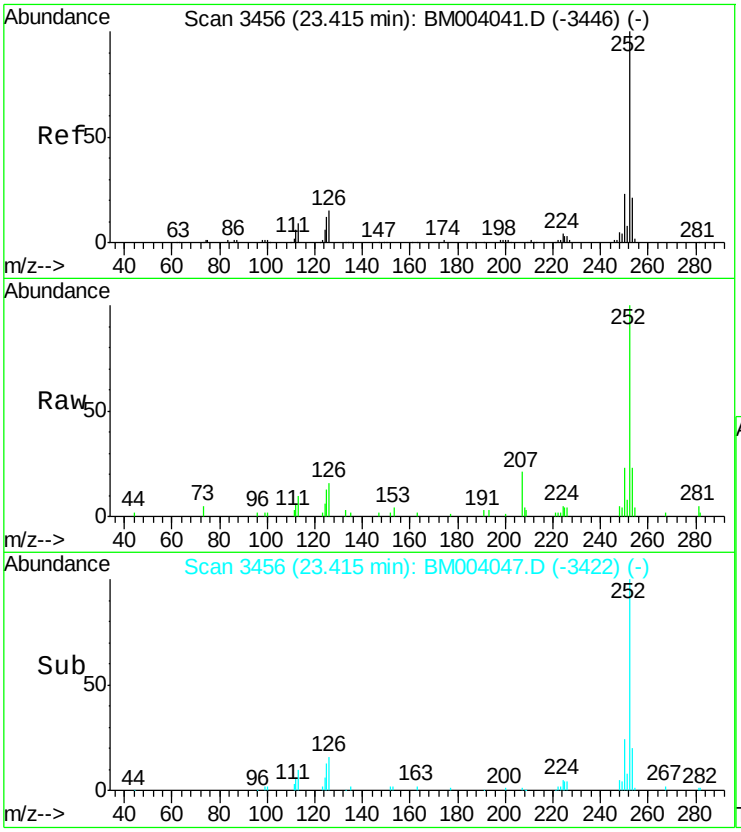




#89
Benzo(k)fluoranthene
Concen: 1.43 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. -0.04 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

Tgt Ion:252 Resp: 13385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.3 | 25.9 |
| 125 | 12.0 | 8.2 | 12.2 |



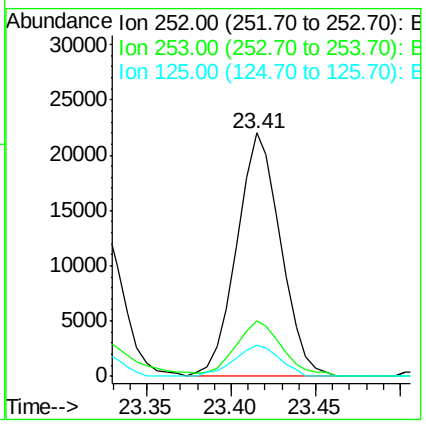


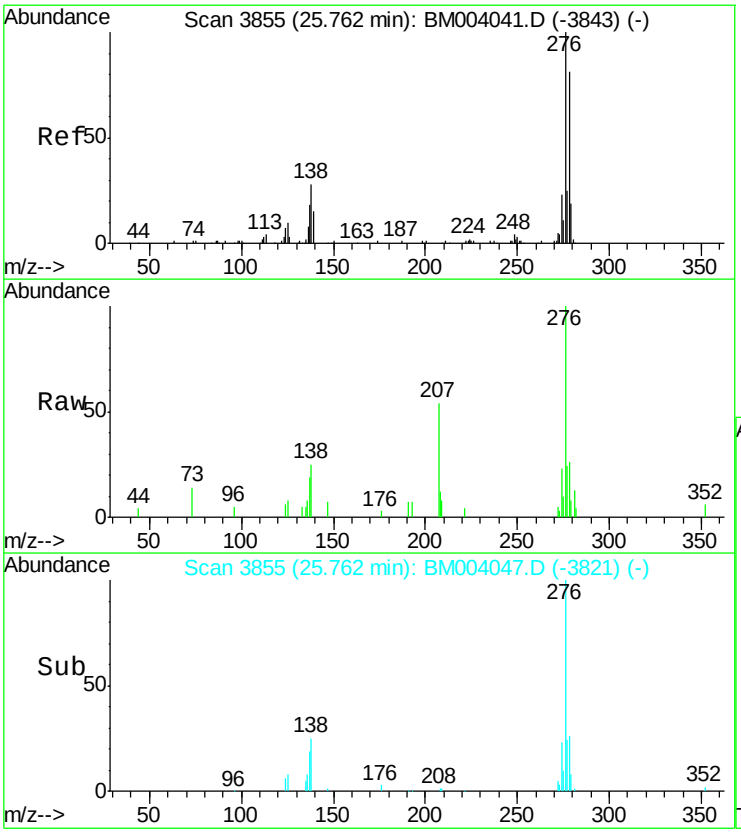

#91
Benzo(a)pyrene
Concen: 4.28 ng/ul
RT: 23.41 min Scan# 3456
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

**Instrument :**
BNA_M
**ClientSampleId :**
BC9C7DL

Tgt Ion:252 Resp: 39806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.2 | 25.8 |
| 125 | 12.6 | 9.0 | 13.6 |

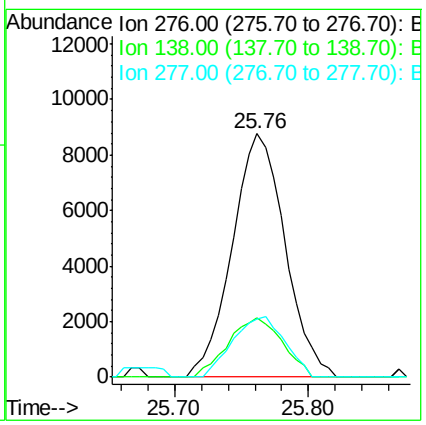


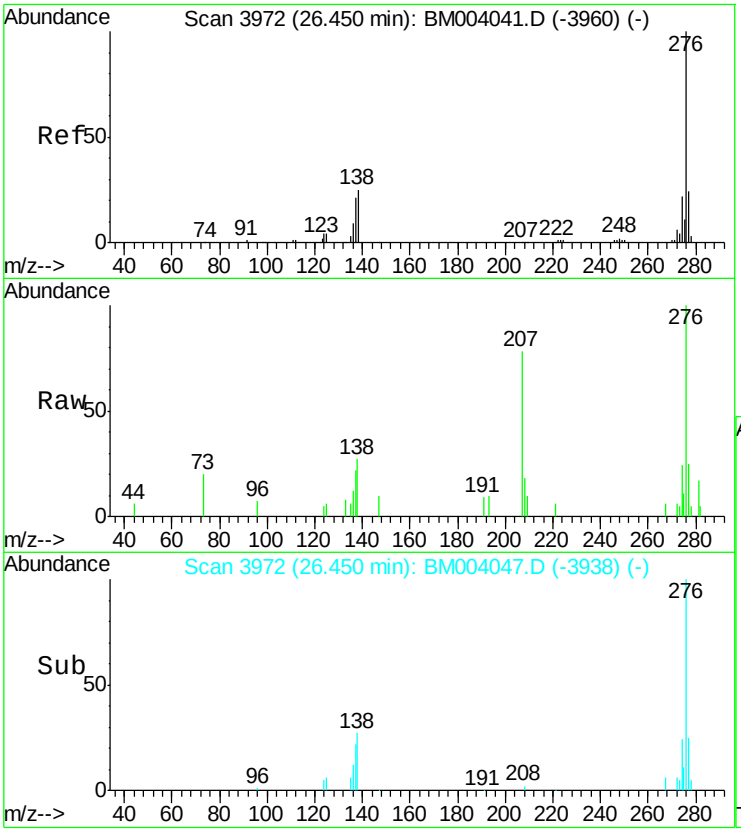




#92
Indeno(1,2,3-cd)pyrene
Concen: 2.34 ng/ul
RT: 25.76 min Scan# 3855
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

Tgt Ion:276 Resp: 24034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.6 | 22.3 | 33.5 |
| 277 | 24.0 | 20.2 | 30.2 |






#94
Benzo(g,h,i)perylene
Concen: 2.23 ng/ul
RT: 26.45 min Scan# 3972
Delta R.T. 0.00 min
Lab File: BM004047.D
Acq: 15 Jan 2016 14:47

**Instrument :**
BNA_M
**ClientSampleId :**
BC9C7DL

Tgt Ion:276 Resp: 19240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.3 | 18.9 | 28.3 |
| 277 | 25.1 | 19.2 | 28.8 |