Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012194.D
Acq On : 15 Oct 2017 05:32
Operator : SJ/JU
Sample : I5548-17 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AF7

Quant Time: Oct 15 06:30:20 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Oct 15 06:19:21 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.81 | 152 | 185460 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.61 | 136 | 804291 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.46 | 164 | 527801 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.21 | 188 | 1222127 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.39 | 240 | 1014154 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.70 | 264 | 916806 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.23 | 96 | 2042 | 0.52 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.99 | 99 | 46015 | 3.06 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.15 | 67 | 25247 | 2.80 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.35 | 132 | 43306 | 3.39 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.53 | 113 | 40798 | 3.15 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5 | 8.99 | 128 | 19366 | 3.16 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.71 | 143 | 22307 | 3.11 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3 | 10.26 | 165 | 42245 | 3.09 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4 | 10.78 | 131 | 18283 | 1.43 | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6 | 13.87 | 166 | 181145 | 3.88 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.16 | 160 | 219319 | 3.88 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.69 | 143 | 126 | 0.02 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.46 | 176 | 165035 | 4.31 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 5292 | 0.63 | ng/ul | 0.01 |
| 70) Anthracene-d10 | 17.31 | 188 | 264070 | 4.37 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.60 | 212 | 266468 | 5.18 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.56 | 264 | 181976 | 4.12 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.92 | 163 | 64444 | 1.38 | ng/ul | 99 |
| 69) Phenanthrene | 17.25 | 178 | 114739 | 1.65 | ng/ul | 100 |
| 71) Anthracene | 17.25 | 178 | 115332 | 1.60 | ng/ul | 98 |
| 74) Fluoranthene | 19.27 | 202 | 274328 | 3.27 | ng/ul# | 95 |
| 77) Pyrene | 19.63 | 202 | 251289 | 3.75 | ng/ul# | 96 |
| 80) Benzo(a)anthracene | 21.37 | 228 | 119261 | 1.81 | ng/ul# | 87 |
| 82) Chrysene | 21.43 | 228 | 136576 | 2.20 | ng/ul# | 87 |
| 85) Benzo(b)fluoranthene | 23.00 | 252 | 167500 | 2.80 | ng/ul# | 83 |
| 86) Benzo(k)fluoranthene | 23.00 | 252 | 167500 | 2.91 | ng/ul# | 81 |
| 88) Benzo(a)pyrene | 23.60 | 252 | 127630 | 2.26 | ng/ul# | 85 |
| 89) Indeno(1,2,3-cd)pyrene | 26.07 | 276 | 100062 | 1.67 | ng/ul# | 90 |
| 91) Benzo(g,h,i)perylene | 26.80 | 276 | 104279 | 2.13 | ng/ul# | 88 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\
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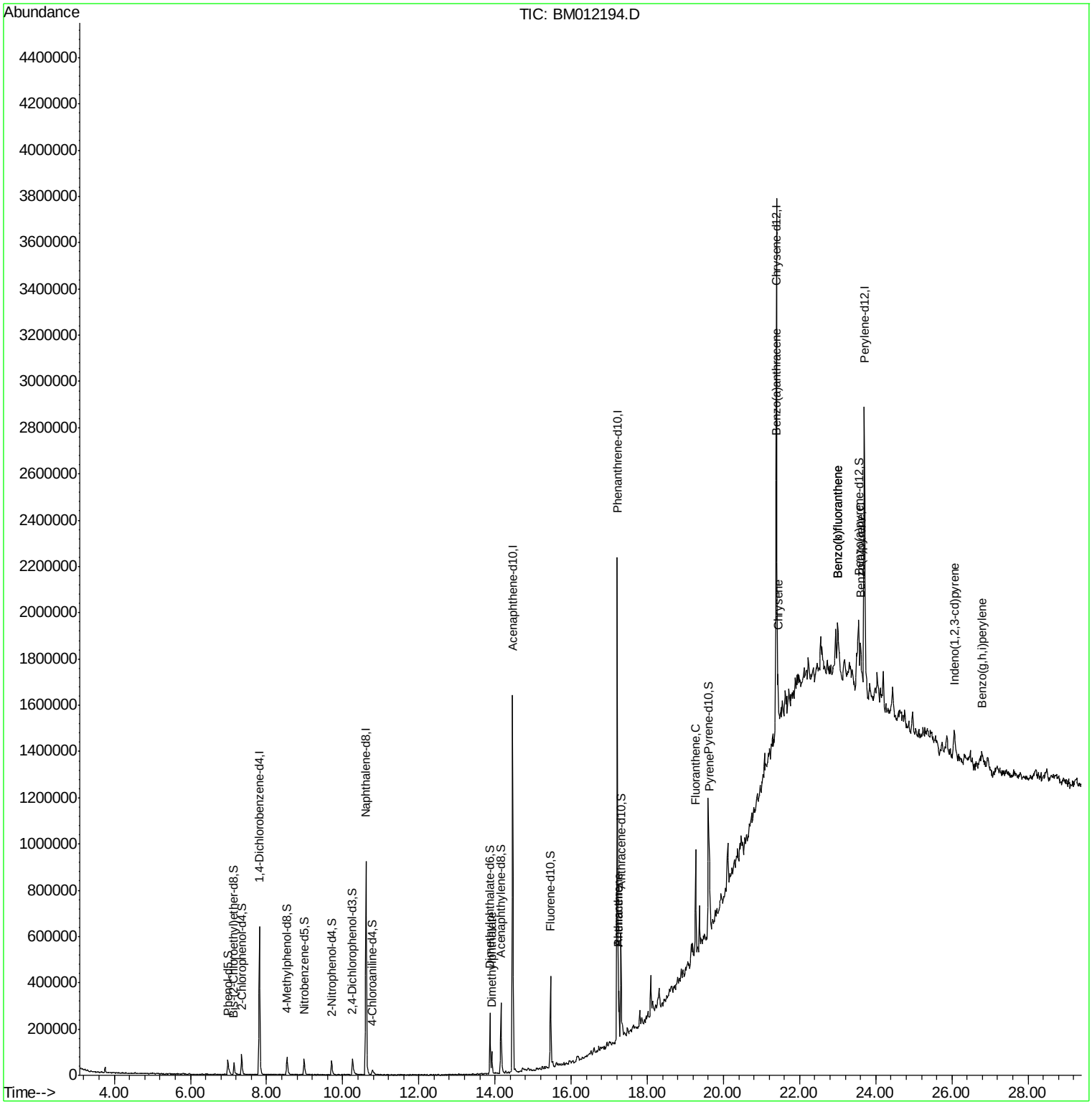
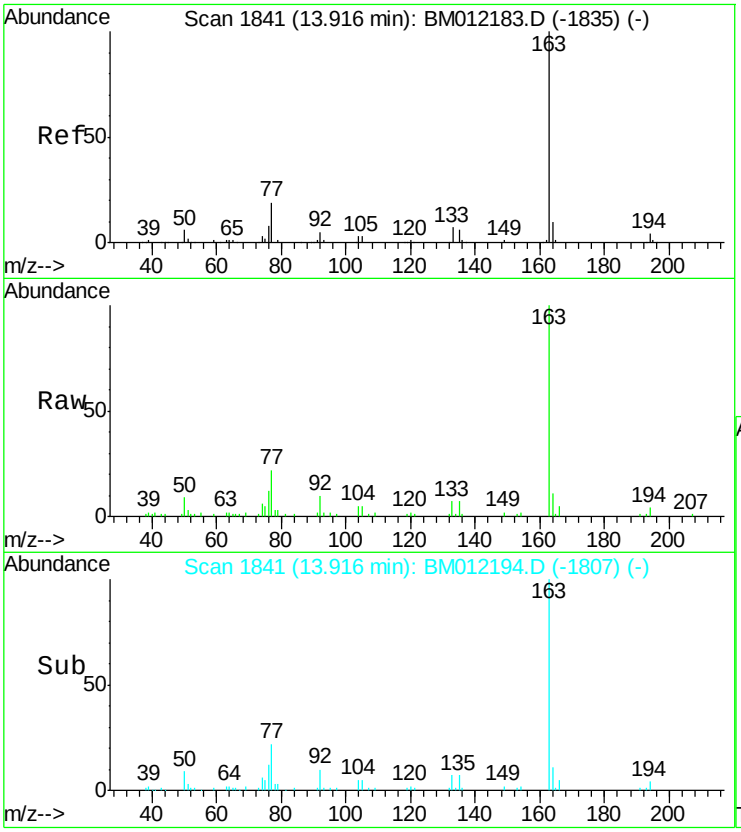
Acq On : 15 Oct 2017 05:32
Operator : SJ/JU
Sample : I5548-17 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7

Quant Time: Oct 15 06:30:20 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Oct 15 06:19:21 2017
Response via : Initial Calibration



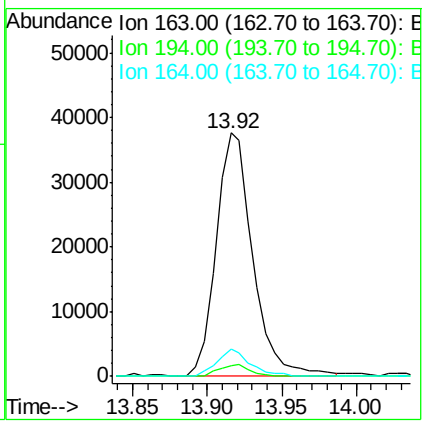


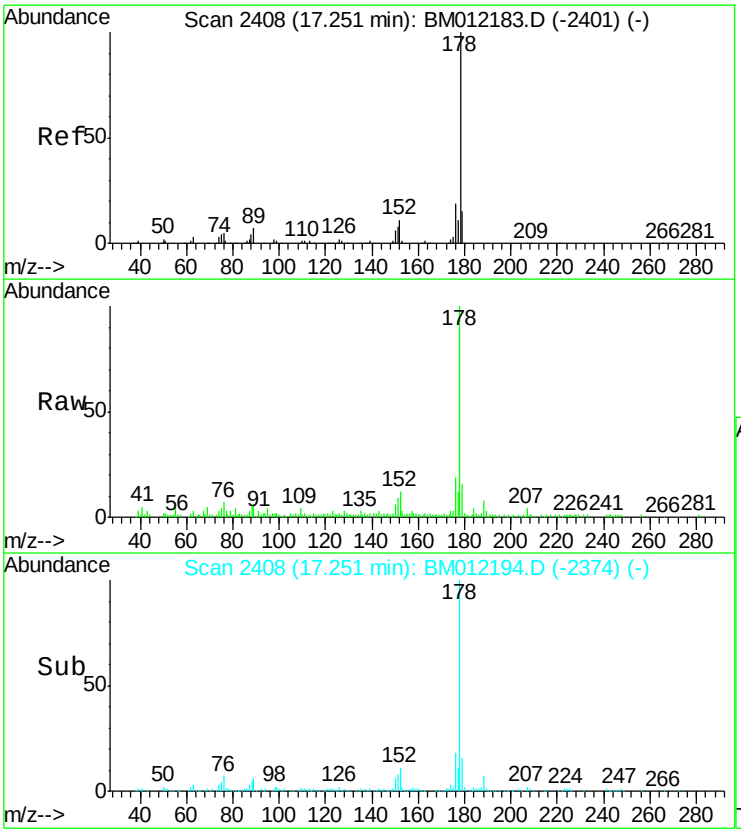

#44
Dimethylphthalate
Concen: 1.38 ng/ul
RT: 13.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7

Tgt Ion:163 Resp: 64444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.5 | 5.3 |
| 164 | 11.0 | 8.2 | 12.4 |

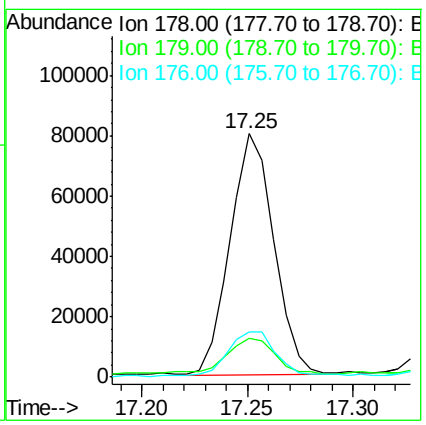


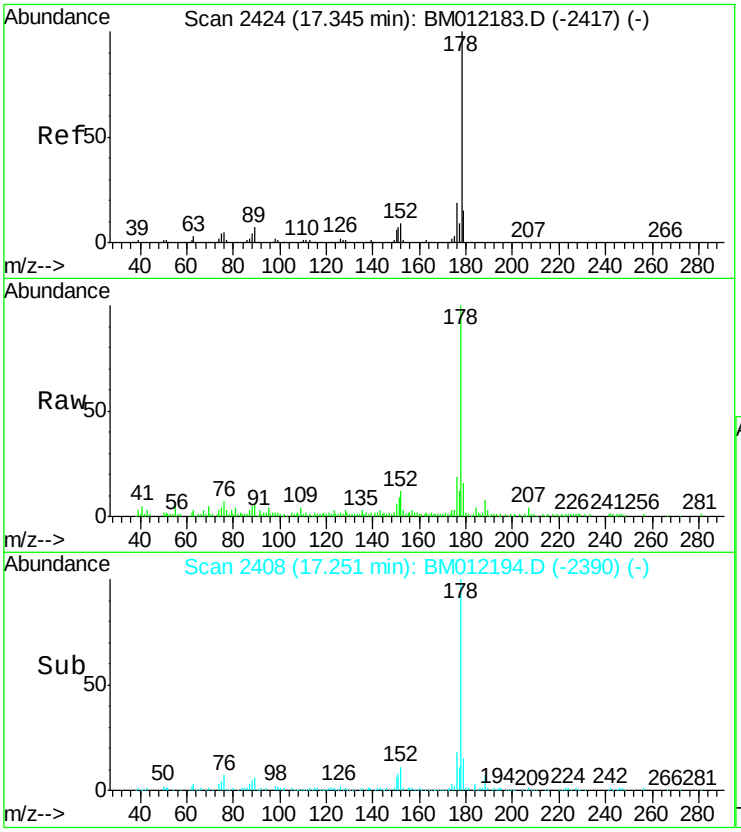




#69
Phenanthrene
Concen: 1.65 ng/ul
RT: 17.25 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

Tgt Ion:178 Resp: 114739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 12.6 | 19.0 |
| 176 | 18.7 | 14.9 | 22.3 |



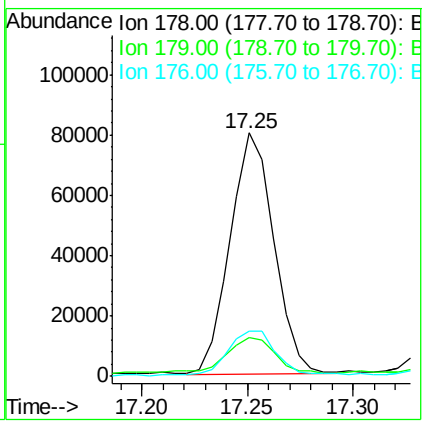


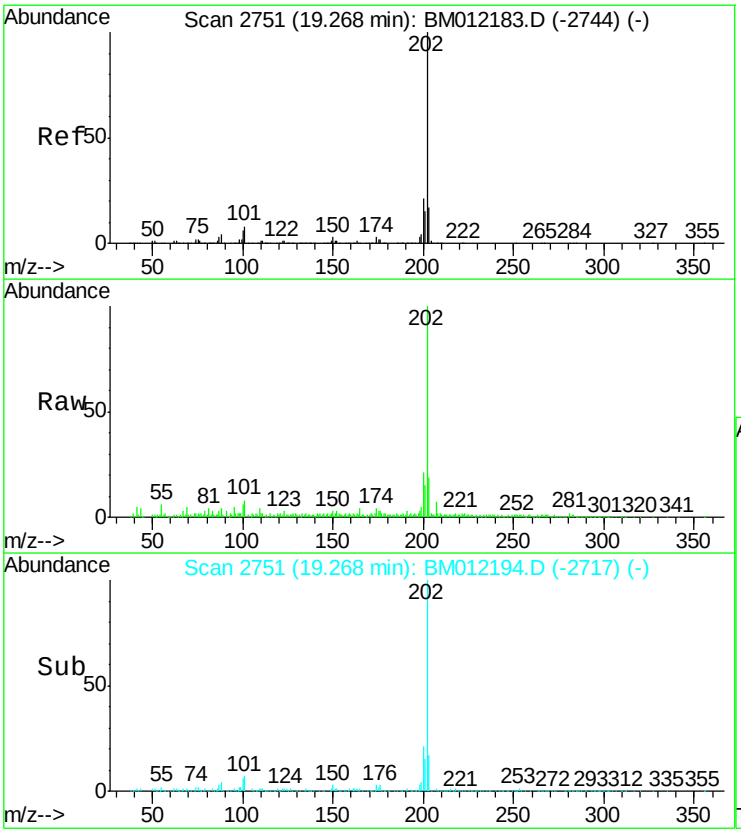

#71
Anthracene
Concen: 1.60 ng/ul
RT: 17.25 min Scan# 2408
Delta R.T. -0.09 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7

Tgt Ion:178 Resp: 115332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 11.7 | 17.5 |
| 176 | 18.7 | 14.6 | 21.8 |

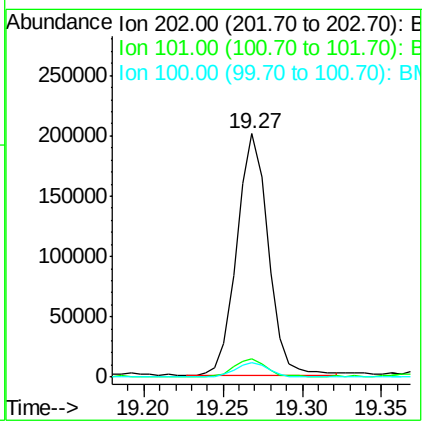


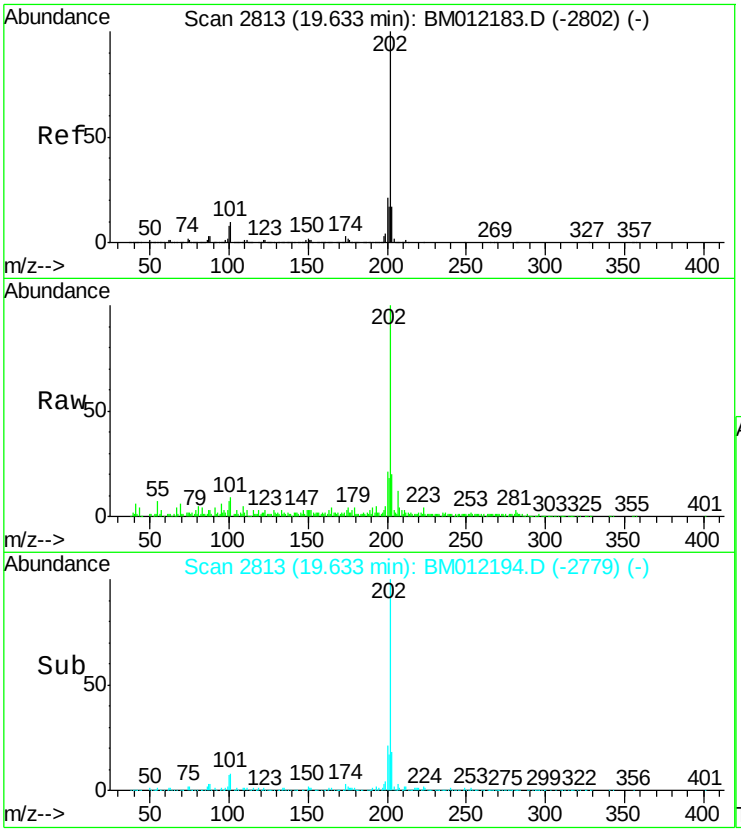




#74
Fluoranthene
Concen: 3.27 ng/ul
RT: 19.27 min Scan# 2751
Delta R.T. 0.00 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

Tgt Ion:202 Resp: 274328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.5 | 4.6 | 7.0# |
| 100 | 5.8 | 3.4 | 5.2# |



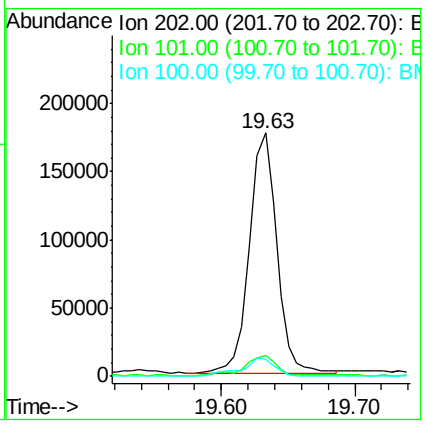


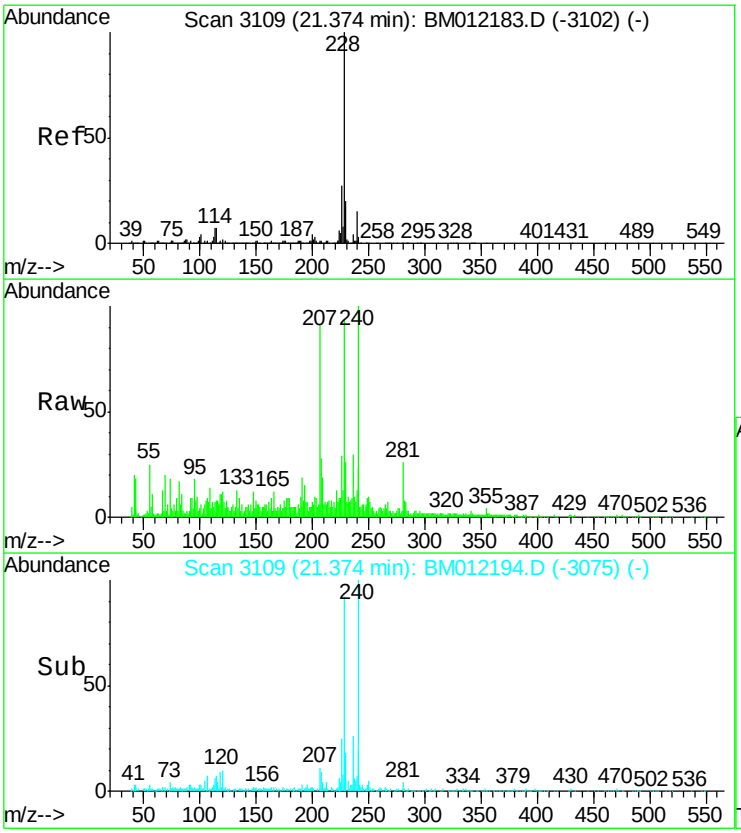

#77
Pyrene
Concen: 3.75 ng/ul
RT: 19.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7

Tgt Ion:202 Resp: 251289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.6 | 5.1 | 7.7# |
| 100 | 6.9 | 4.9 | 7.3 |

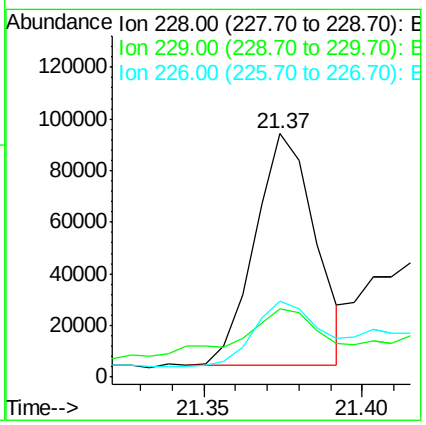


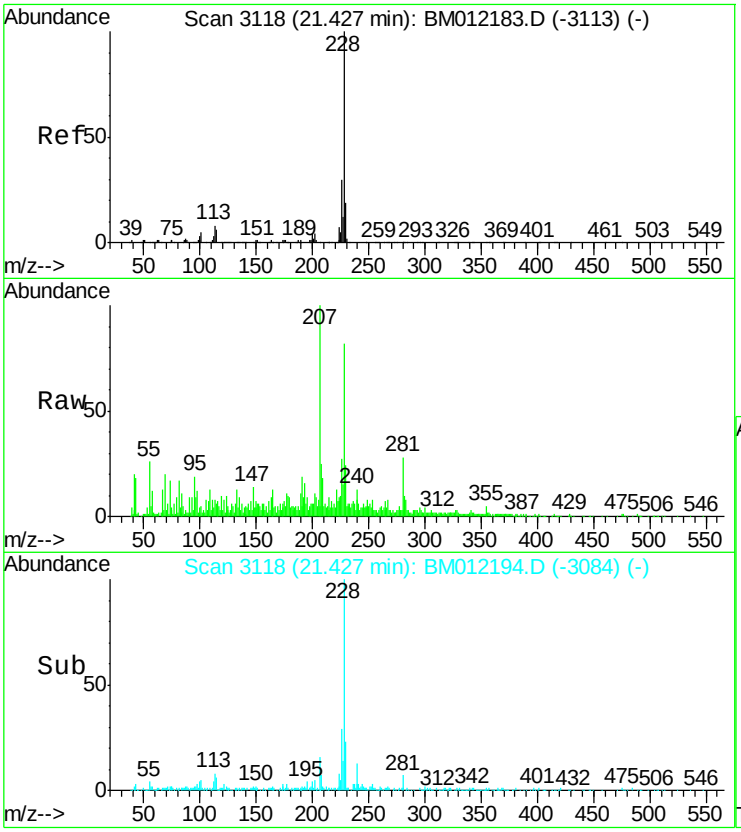




#80
Benzo(a)anthracene
Concen: 1.81 ng/ul
RT: 21.37 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

Tgt Ion:228 Resp: 119261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 27.8 | 15.4 | 23.0# |
| 226 | 31.4 | 21.4 | 32.0 |



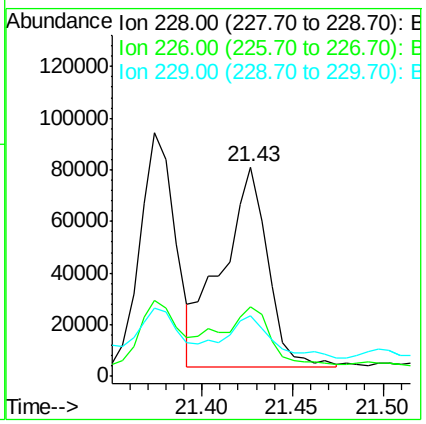


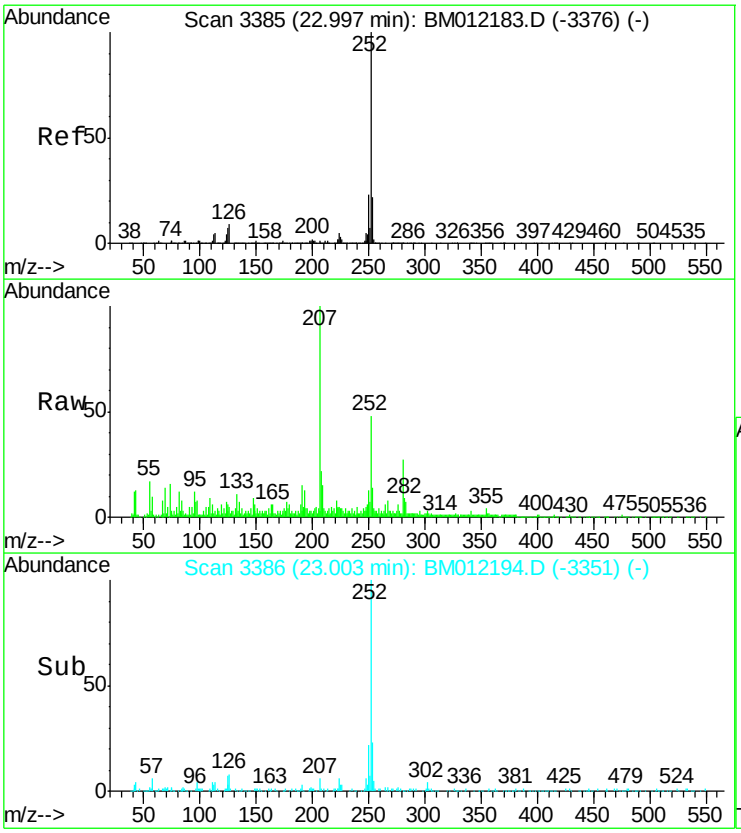

#82
Chrysene
Concen: 2.20 ng/ul
RT: 21.43 min Scan# 3118
Delta R.T. 0.00 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7

Tgt Ion:228 Resp: 136576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.2 | 23.4 | 35.2 |
| 229 | 28.7 | 15.5 | 23.3# |

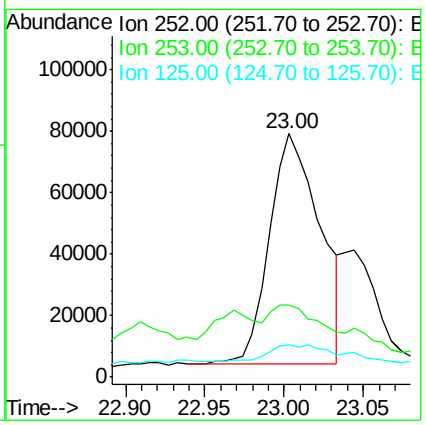


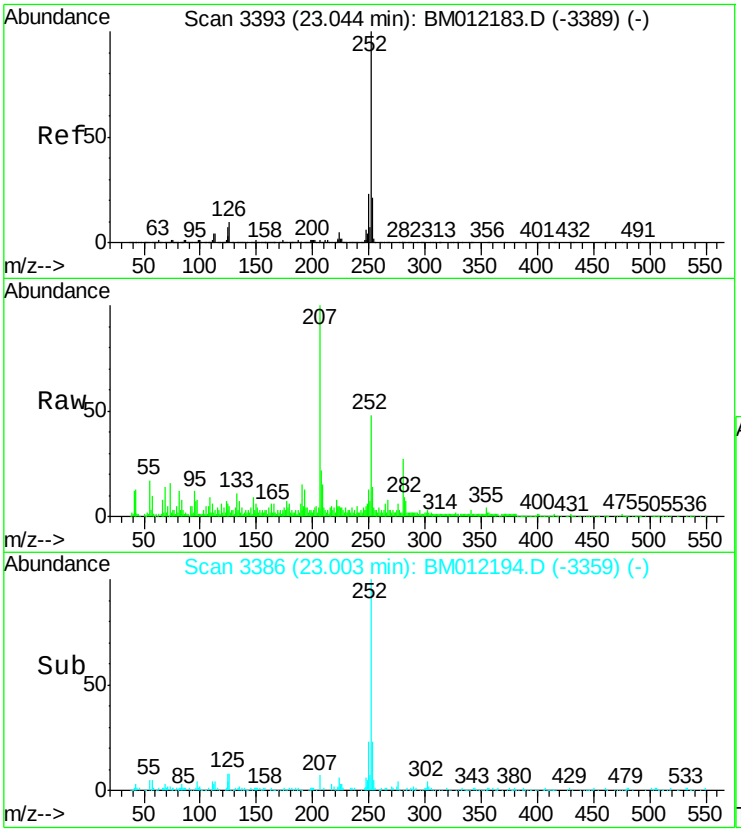




#85
Benzo(b)fluoranthene
Concen: 2.80 ng/ul
RT: 23.00 min Scan# 3386
Delta R.T. 0.01 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

Tgt Ion:252 Resp: 167500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.6 | 17.9 | 26.9# |
| 125 | 13.3 | 3.6 | 5.4# |



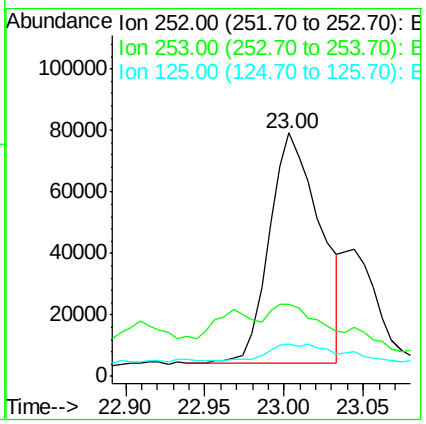


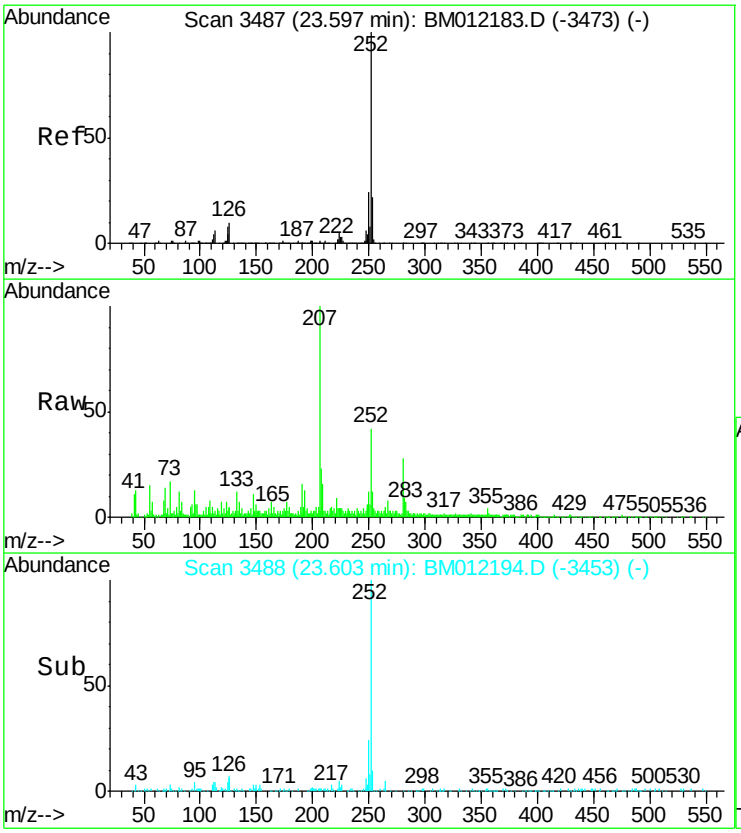

#86
Benzo(k)fluoranthene
Concen: 2.91 ng/ul
RT: 23.00 min Scan# 3386
Delta R.T. -0.04 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7

Tgt Ion:252 Resp: 167500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.6 | 17.1 | 25.7# |
| 125 | 13.3 | 3.4 | 5.2# |

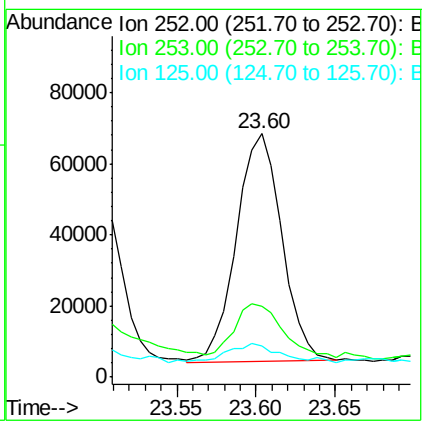


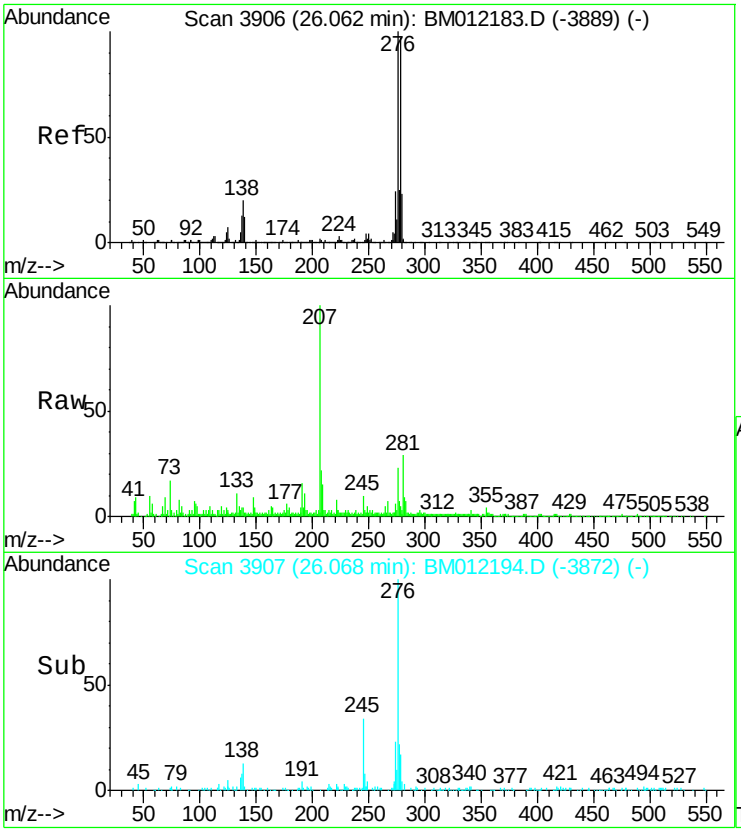




#88
Benzo(a)pyrene
Concen: 2.26 ng/ul
RT: 23.60 min Scan# 3488
Delta R.T. 0.01 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

Tgt Ion:252 Resp: 127630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.3 | 18.2 | 27.2# |
| 125 | 12.7 | 4.0 | 6.0# |



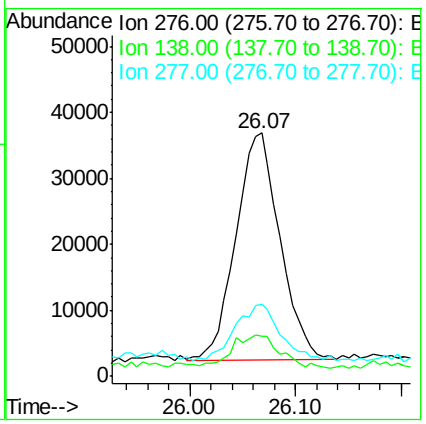


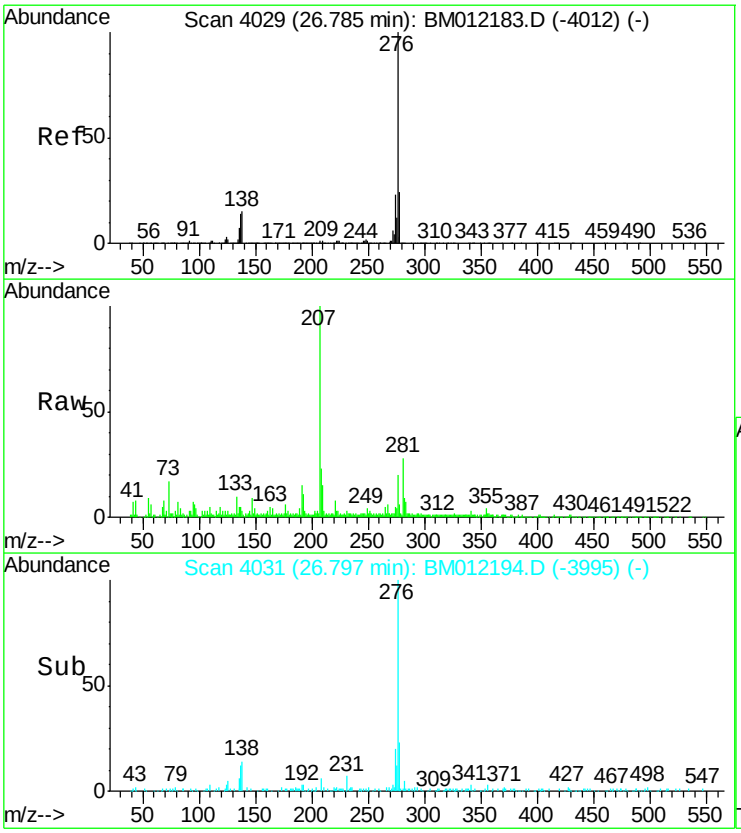

#89
Indeno(1,2,3-cd)pyrene
Concen: 1.67 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.01 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7

Tgt Ion:276 Resp: 100062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.5 | 9.3 | 13.9# |
| 277 | 29.5 | 19.9 | 29.9 |




#91
Benzo(g,h,i)perylene
Concen: 2.13 ng/ul
RT: 26.80 min Scan# 4031
Delta R.T. 0.01 min
Lab File: BM012194.D
Acq: 15 Oct 2017 05:32

Tgt Ion:276 Resp: 104279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.8 | 8.5 | 12.7# |
| 277 | 28.3 | 18.6 | 28.0# |