Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031516\
Data File : BM004617.D
Acq On : 16 Mar 2016 03:24
Operator : UM/SJ
Sample : H1778-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BC9Y3

Quant Time: Mar 16 07:41:02 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 16 07:32:20 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 68625 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.63 | 136 | 306812 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.47 | 164 | 183613 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.22 | 188 | 436782 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.40 | 240 | 512380 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.70 | 264 | 492519 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.33 | 96 | 5524 | 2.78 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 92847 | 16.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.17 | 67 | 66224 | 20.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 70370 | 15.50 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 77514 | 17.05 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.00 | 128 | 38555 | 18.07 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 18304 | 7.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 54660 | 12.09 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.77 | 131 | 116920 | 21.61 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.89 | 166 | 268846 | 18.73 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.17 | 160 | 339964 | 19.32 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 15.47 | 176 | 256930 | 20.54 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0 | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 17.32 | 188 | 405570 | 20.17 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.61 | 212 | 476201 | 20.36 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.55 | 264 | 498490 | 22.66 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 45) Dimethylphthalate | 13.93 | 163 | 102281 | 7.02 | ng/ul | 100 |
| 70) Phenanthrene | 17.26 | 178 | 34413 | 1.38 | ng/ul | 99 |
| 77) Fluoranthene | 19.27 | 202 | 92240 | 3.35 | ng/ul | 98 |
| 80) Pyrene | 19.64 | 202 | 84003 | 2.71 | ng/ul | 97 |
| 83) Benzo(a)anthracene | 21.39 | 228 | 48228 | 1.61 | ng/ul | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 39088 | 2.21 | ng/ul | 98 |
| 85) Chrysene | 21.43 | 228 | 51933 | 1.82 | ng/ul | 98 |
| 88) Benzo(b)fluoranthene | 23.00 | 252 | 67154 | 2.29 | ng/ul# | 94 |
| 91) Benzo(a)pyrene | 23.60 | 252 | 41597 | 1.48 | ng/ul# | 96 |
| 94) Benzo(g,h,i)perylene | 26.74 | 276 | 28076 | 1.05 | ng/ul | 98 |

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

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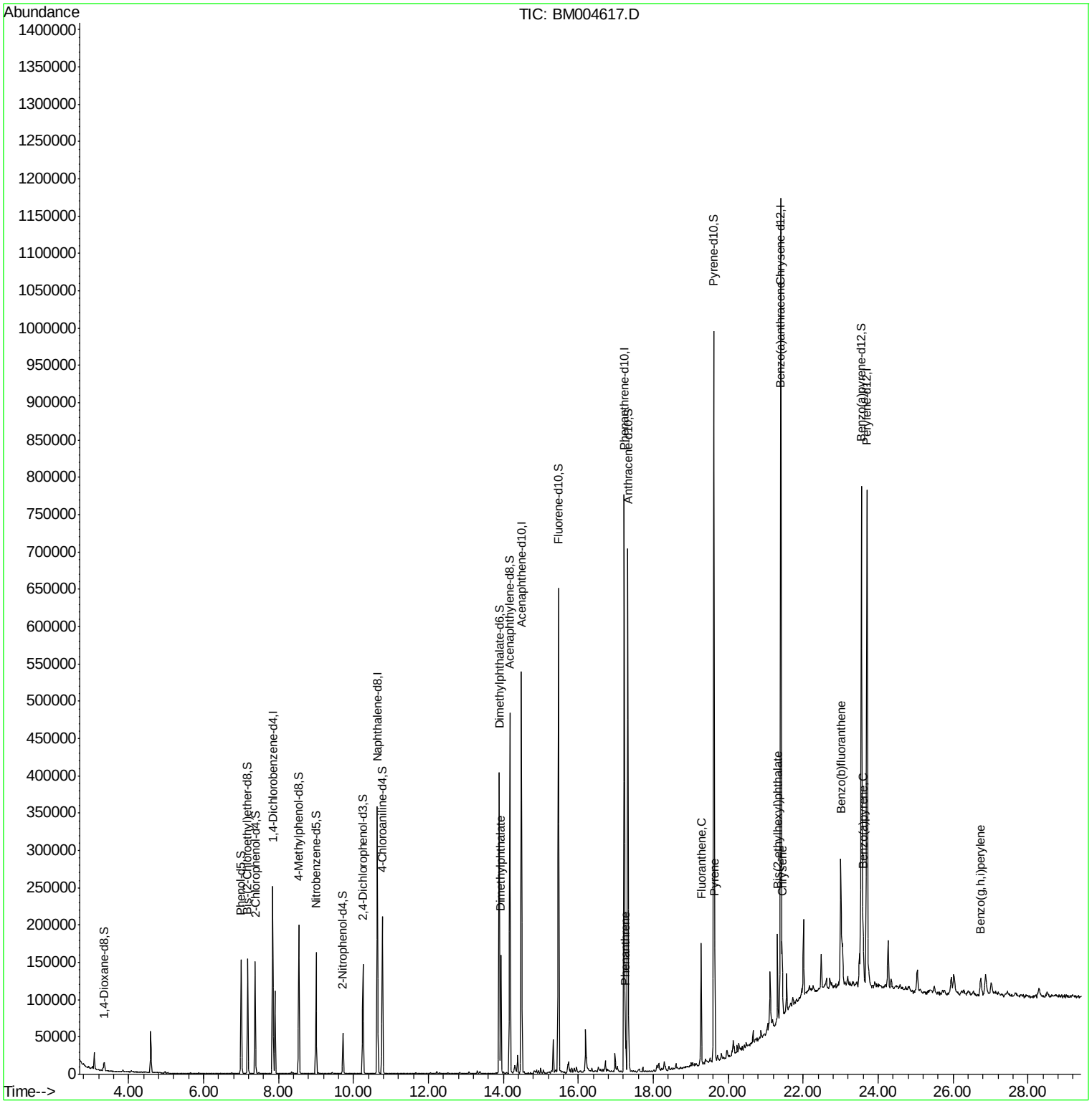
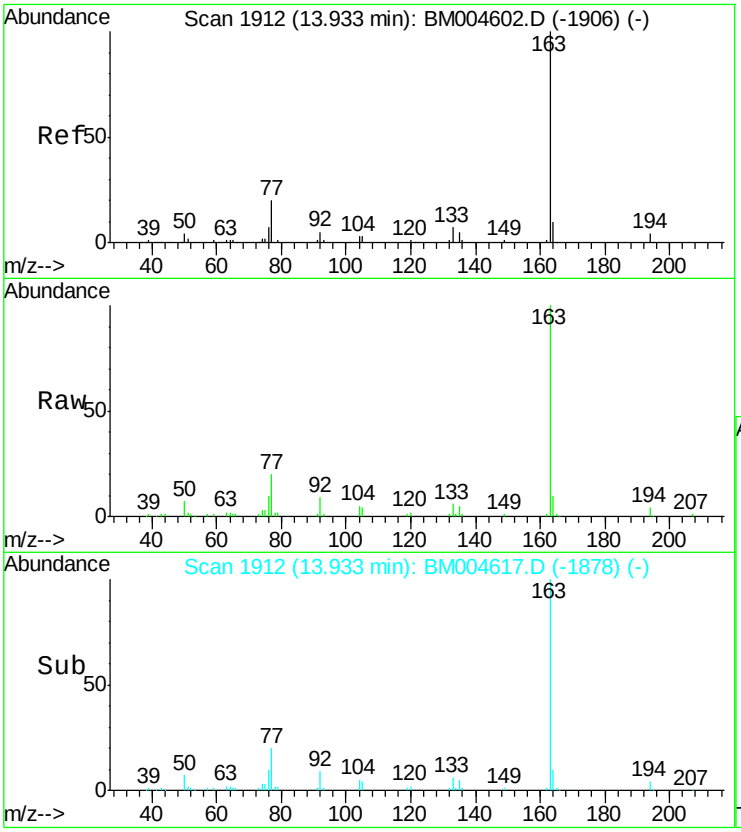
Sample : H1778-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BC9Y3

Quant Time: Mar 16 07:41:02 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 16 07:32:20 2016
Response via : Initial Calibration



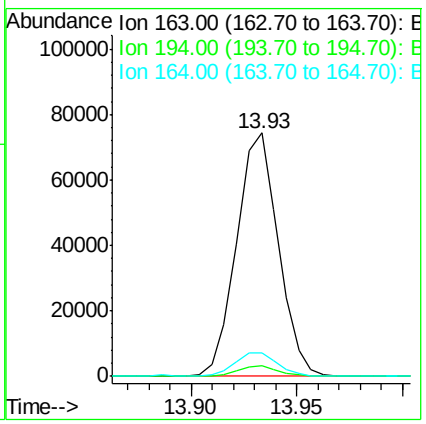


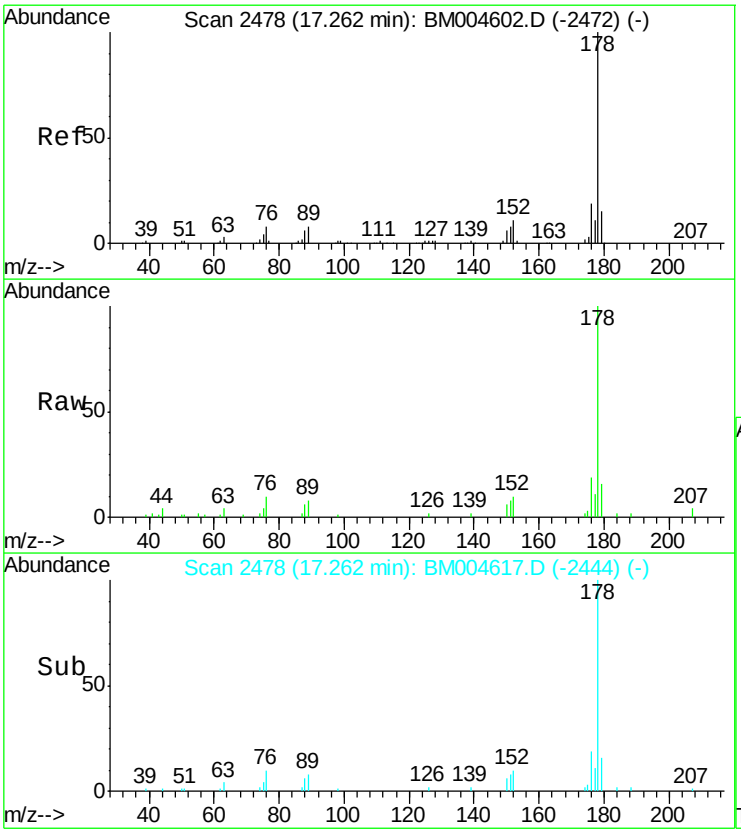

#45
Dimethylphthalate
Concen: 7.02 ng/ul
RT: 13.93 min Scan# 1912
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

**Instrument :**
BNA_M
**ClientSampleId :**
BC9Y3

Tgt Ion:163 Resp: 102281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.2 | 4.8 |
| 164 | 9.8 | 7.8 | 11.8 |

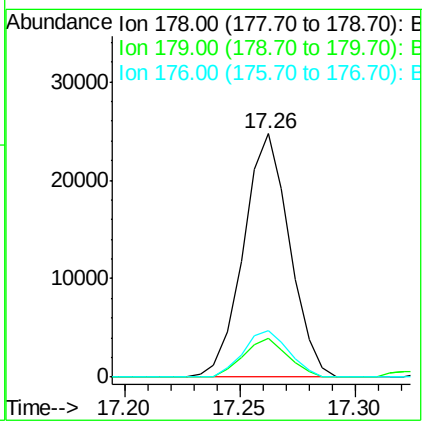


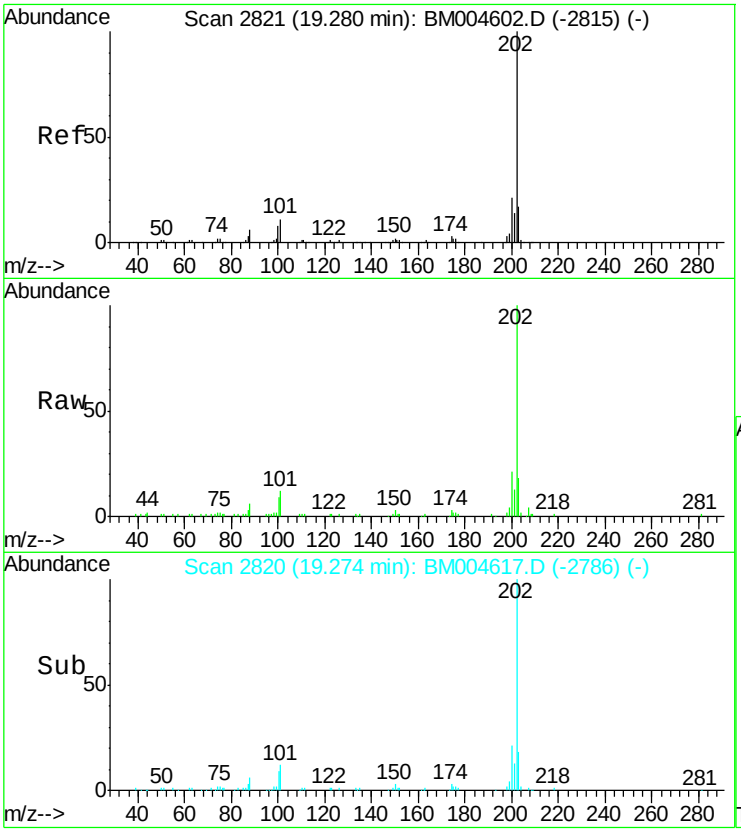




#70
Phenanthrene
Concen: 1.38 ng/ul
RT: 17.26 min Scan# 2478
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

Tgt Ion:178 Resp: 34413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 12.2 | 18.4 |
| 176 | 19.1 | 15.6 | 23.4 |



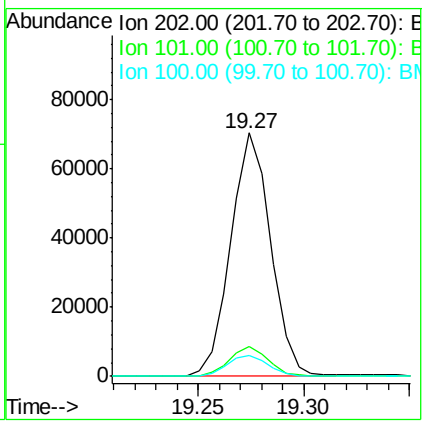


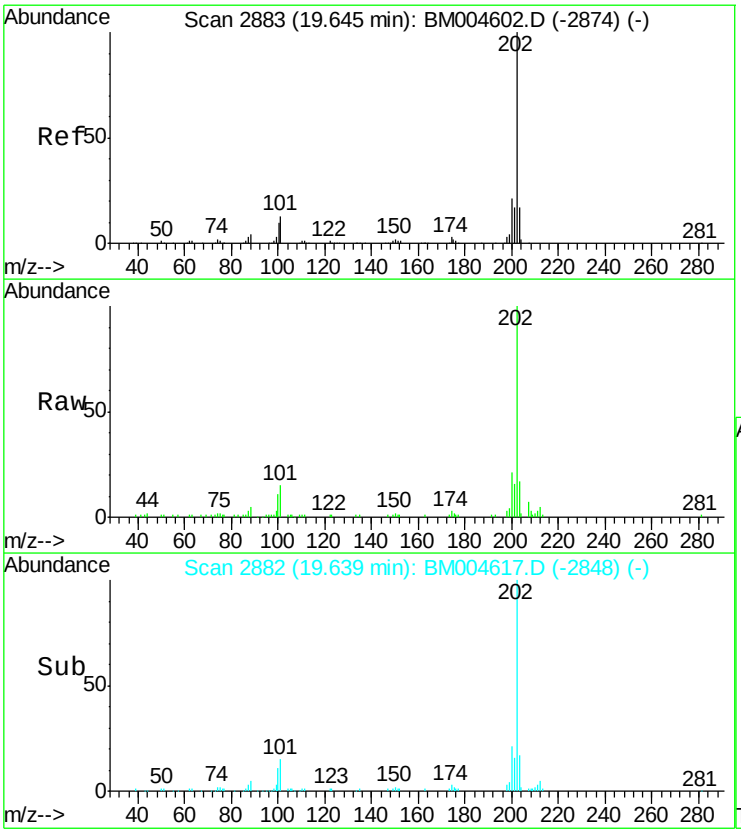

#77
Fluoranthene
Concen: 3.35 ng/ul
RT: 19.27 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

**Instrument :**
BNA_M
**ClientSampleId :**
BC9Y3

Tgt Ion:202 Resp: 92240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 8.8 | 13.2 |
| 100 | 8.7 | 6.6 | 9.8 |

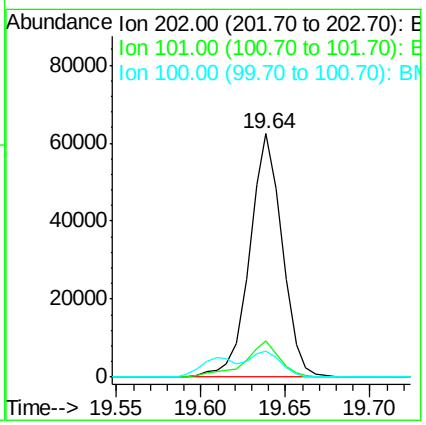


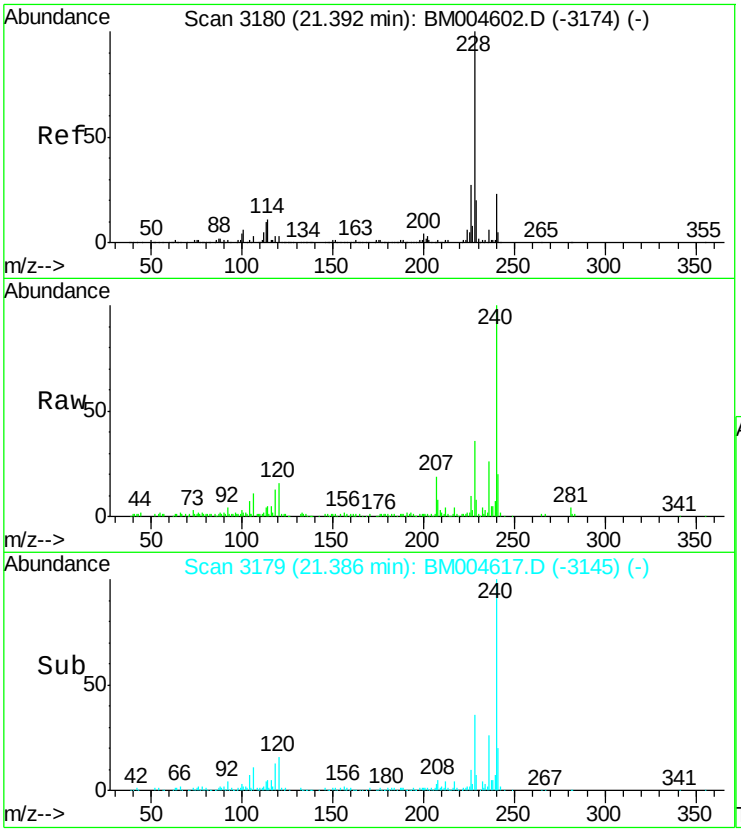




#80
Pyrene
Concen: 2.71 ng/ul
RT: 19.64 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

Tgt Ion:202 Resp: 84003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 10.2 | 15.2 |
| 100 | 10.9 | 8.5 | 12.7 |



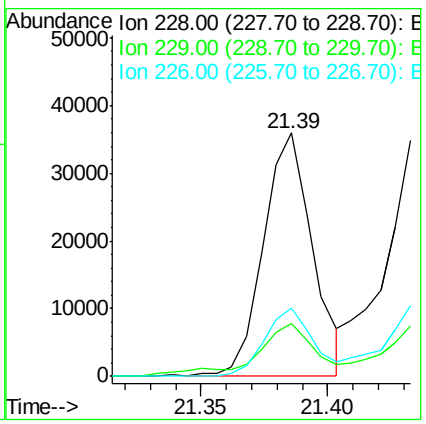


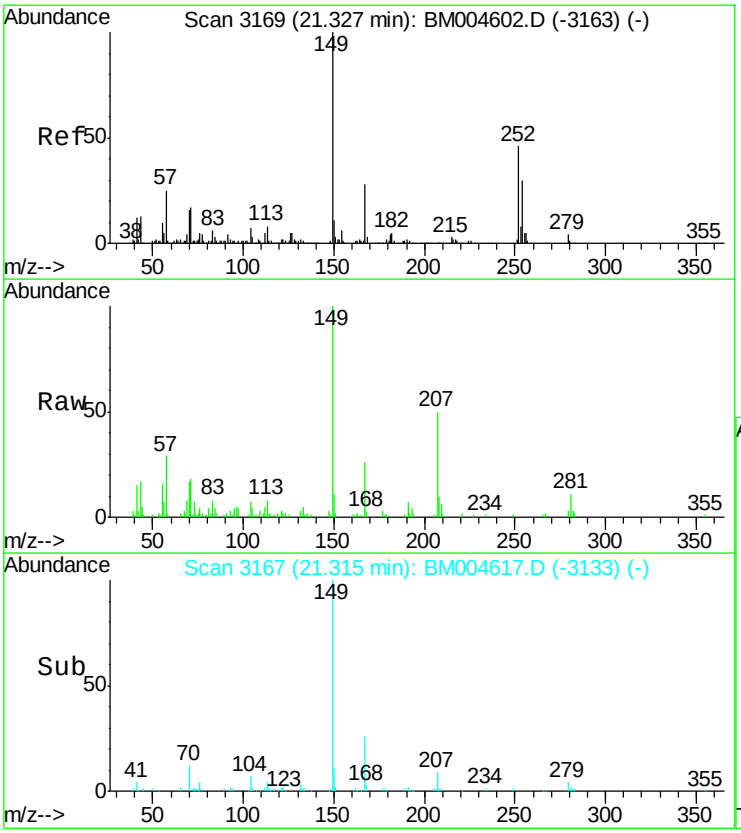

#83
Benzo(a)anthracene
Concen: 1.61 ng/ul
RT: 21.39 min Scan# 3179
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

**Instrument :**
BNA_M
**ClientSampleId :**
BC9Y3

Tgt Ion:228 Resp: 48228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 15.7 | 23.5 |
| 226 | 28.0 | 21.8 | 32.6 |

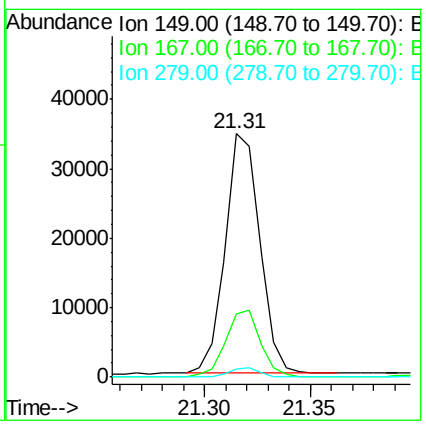


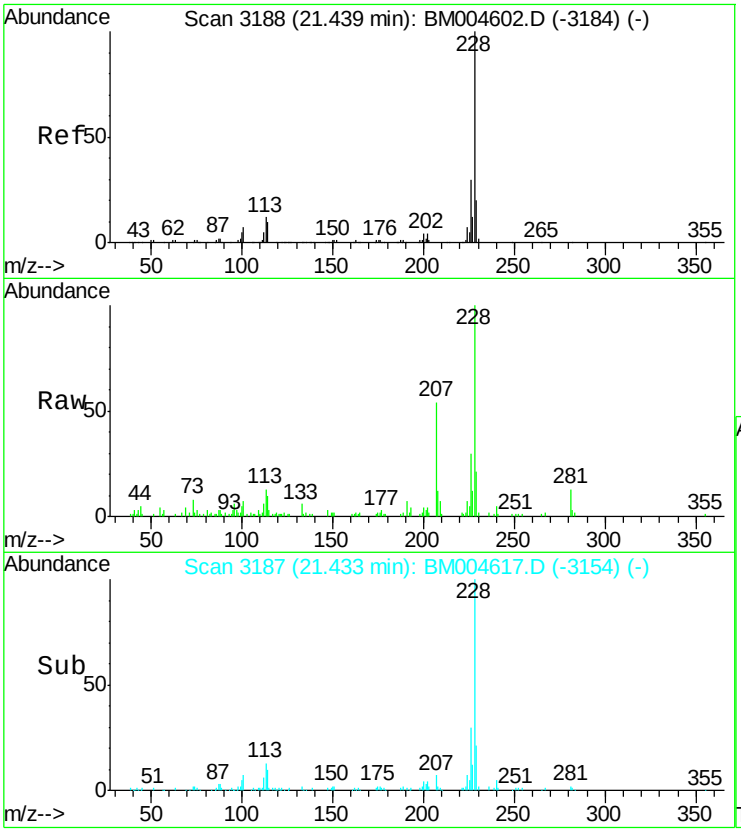




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.21 ng/ul
RT: 21.31 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

Tgt Ion:149 Resp: 39088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.9 | 21.6 | 32.4 |
| 279 | 3.5 | 3.0 | 4.4 |



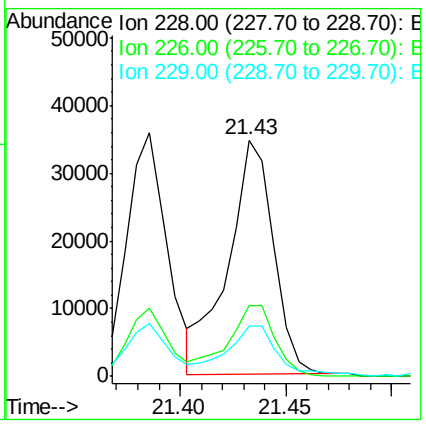


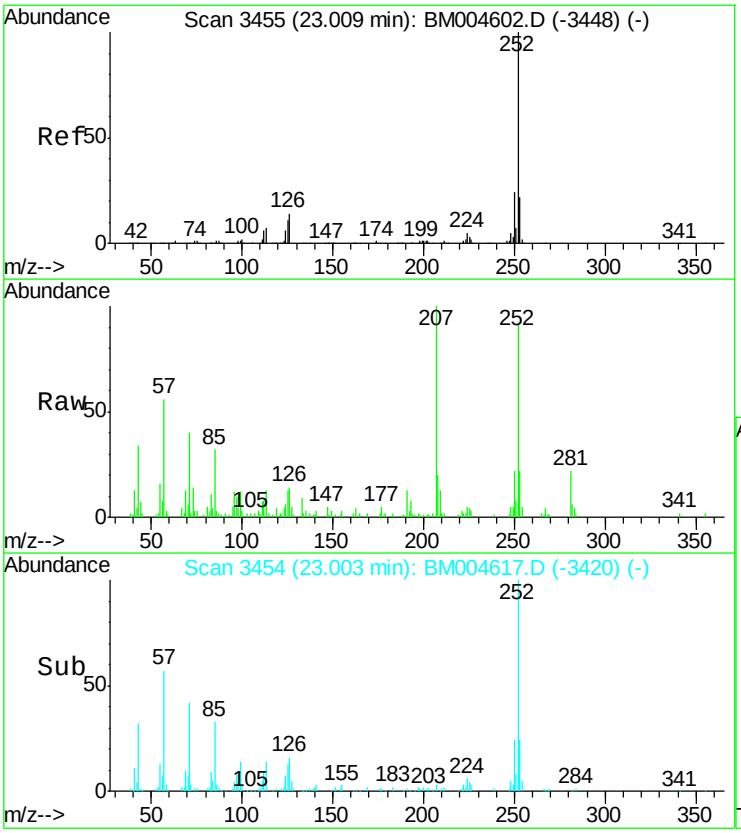

#85
Chrysene
Concen: 1.82 ng/ul
RT: 21.43 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

**Instrument :**
BNA_M
**ClientSampleId :**
BC9Y3

Tgt Ion:228 Resp: 51933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.0 | 36.0 |
| 229 | 21.3 | 15.6 | 23.4 |

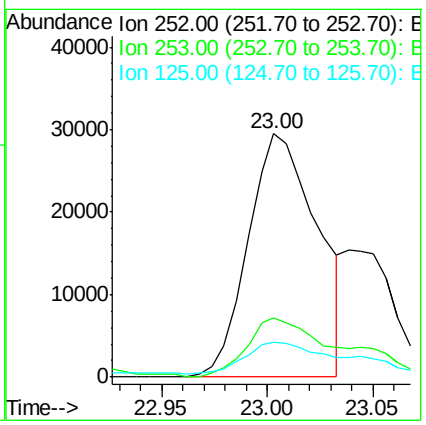


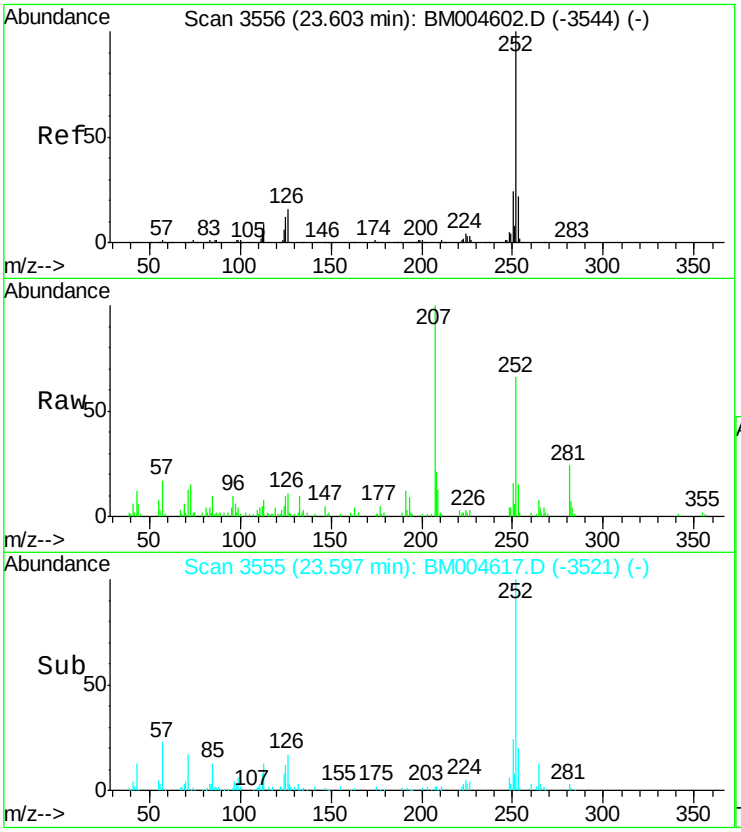




#88
Benzo(b)fluoranthene
Concen: 2.29 ng/ul
RT: 23.00 min Scan# 3454
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

Tgt Ion:252 Resp: 67154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.5 | 26.3 |
| 125 | 14.3 | 8.5 | 12.7# |



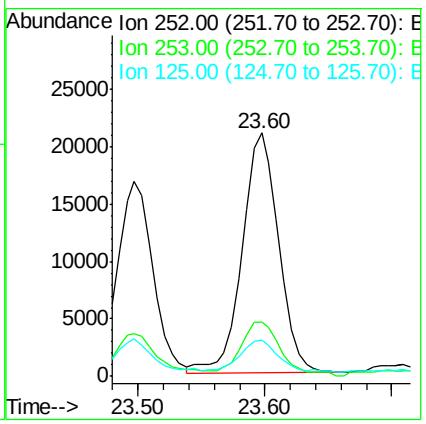


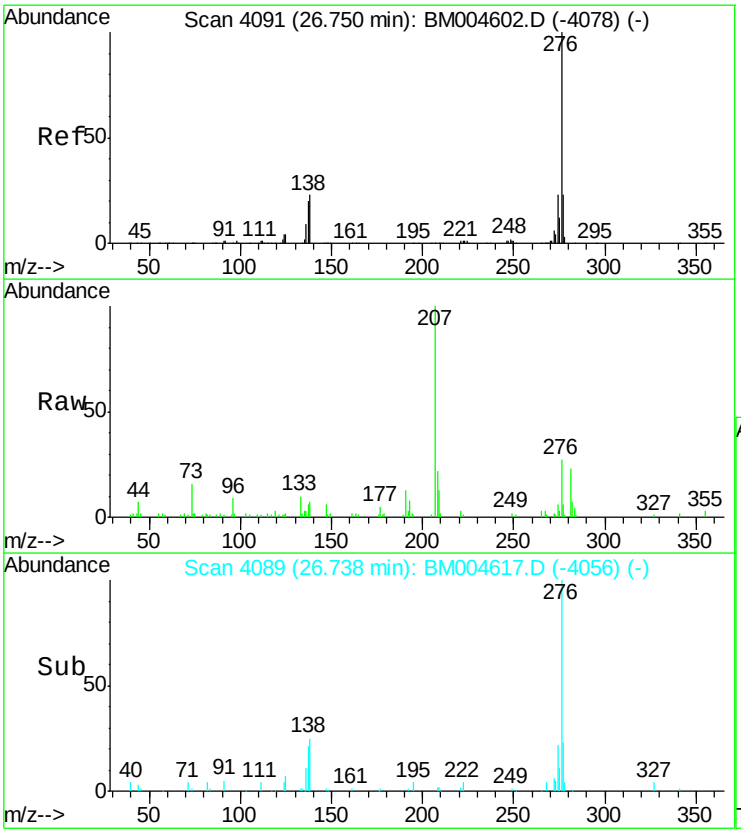

#91
Benzo(a)pyrene
Concen: 1.48 ng/ul
RT: 23.60 min Scan# 3555
Delta R.T. -0.00 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

**Instrument :**
BNA_M
**ClientSampleId :**
BC9Y3

Tgt Ion:252 Resp: 41597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.2 | 25.8 |
| 125 | 14.7 | 9.0 | 13.6# |




#94
Benzo(g,h,i)perylene
Concen: 1.05 ng/ul
RT: 26.74 min Scan# 4089
Delta R.T. -0.01 min
Lab File: BM004617.D
Acq: 16 Mar 2016 03:24

Tgt Ion:276 Resp: 28076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.6 | 18.9 | 28.3 |
| 277 | 22.9 | 19.2 | 28.8 |