Quantitation Report (QT/LSC Reviewed)

Data Path : S:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001991.D
Acq On : 21 Jul 2015 01:39
Operator : TP/UM
Sample : G3000-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C02J4

Quant Time: Jul 21 03:18:05 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 01:37:44 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 103503 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 425187 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.32 | 164 | 255781 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.06 | 188 | 520341 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.26 | 240 | 425674 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.49 | 264 | 412269 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.13 | 96 | 9464 | 4.47 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.83 | 99 | 251772 | 29.79 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.99 | 67 | 136495 | 29.64 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.19 | 132 | 210446 | 31.37 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.36 | 113 | 211825 | 30.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.82 | 128 | 98823 | 31.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.53 | 143 | 99938 | 28.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.07 | 165 | 225060 | 31.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.59 | 131 | 241785 | 33.03 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.73 | 166 | 616002 | 29.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.00 | 160 | 734121 | 29.59 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.52 | 143 | 89637 | 25.66 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.31 | 176 | 482276 | 27.36 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 11759 | 3.49 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.16 | 188 | 669661 | 27.42 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.46 | 212 | 561914 | 28.90 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.34 | 264 | 433165 | 20.78 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.77 | 163 | 529953 | 25.25 | ng/ul | 99 |
| 69) Phenanthrene | 17.10 | 178 | 71769 | 2.55 | ng/ul | 98 |
| 76) Fluoranthene | 19.13 | 202 | 117199 | 3.56 | ng/ul | 98 |
| 79) Pyrene | 19.49 | 202 | 107686 | 4.23 | ng/ul | 98 |
| 82) Benzo(a)anthracene | 21.24 | 228 | 58276 | 2.30 | ng/ul# | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 32453 | 2.29 | ng/ul# | 95 |
| 84) Chrysene | 21.29 | 228 | 59802 | 2.52 | ng/ul# | 94 |
| 87) Benzo(b)fluoranthene | 22.82 | 252 | 87304 | 3.46 | ng/ul# | 90 |
| 90) Benzo(a)pyrene | 23.39 | 252 | 55020 | 2.32 | ng/ul# | 85 |
| 91) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 48996 | 1.97 | ng/ul | 95 |
| 93) Benzo(g,h,i)perylene | 26.43 | 276 | 52851 | 2.58 | ng/ul | 97 |

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

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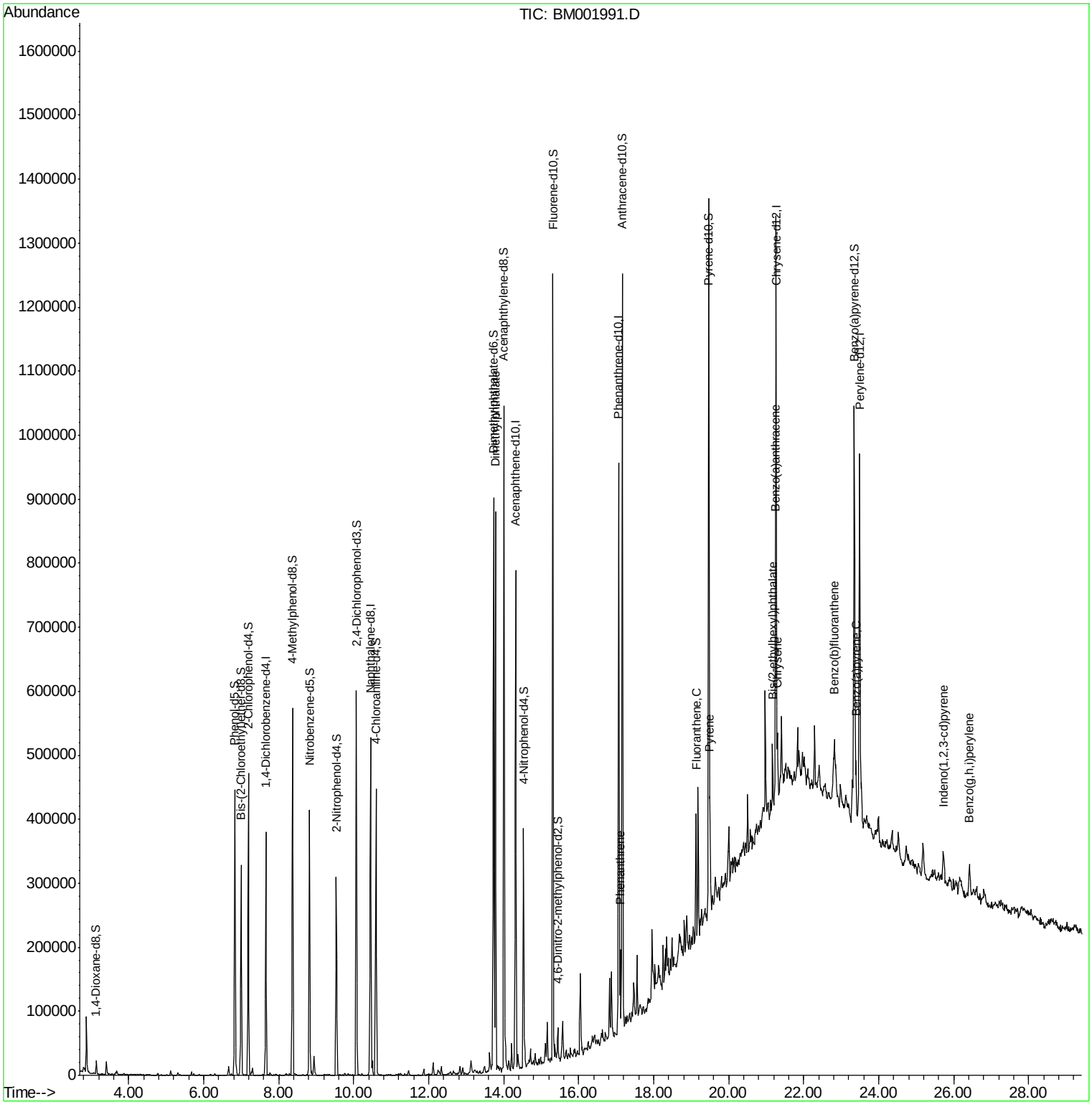
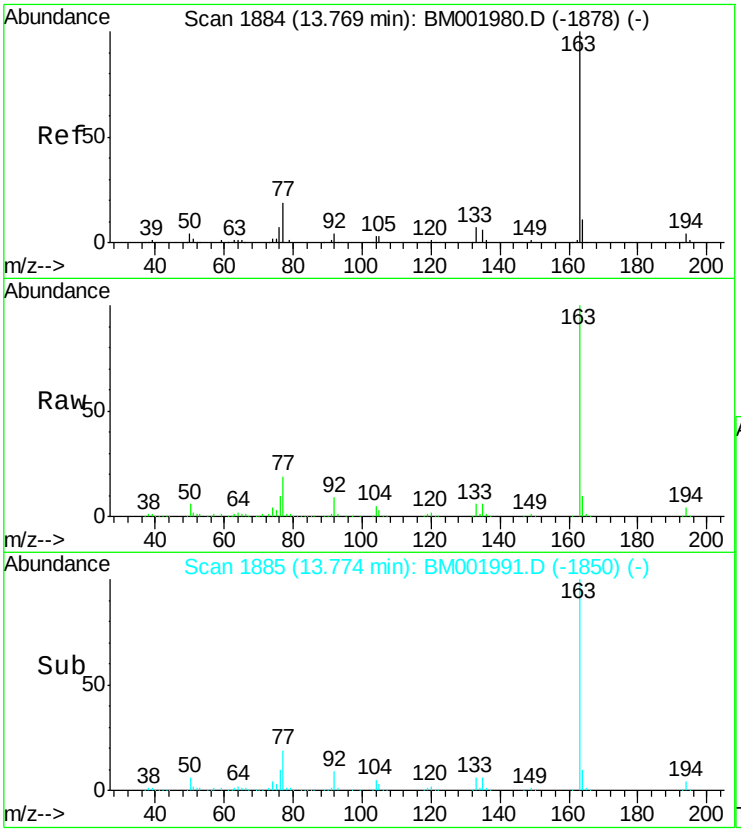
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C02J4

Quant Time: Jul 21 03:18:05 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 01:37:44 2015
Response via : Initial Calibration



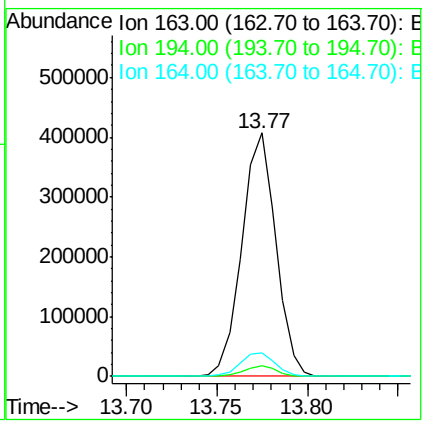


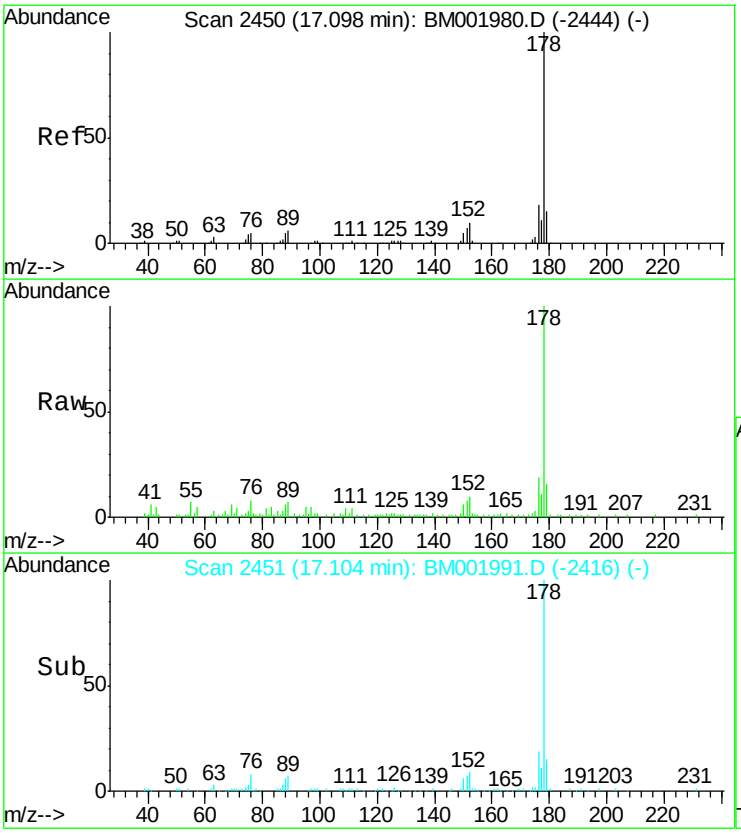

#44
Dimethylphthalate
Concen: 25.25 ng/ul
RT: 13.77 min Scan# 1885
Delta R.T. 0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

**Instrument :**
BNA_M
**ClientSampleId :**
C02J4

Tgt Ion:163 Resp: 529953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.3 | 4.9 |
| 164 | 9.8 | 7.6 | 11.4 |

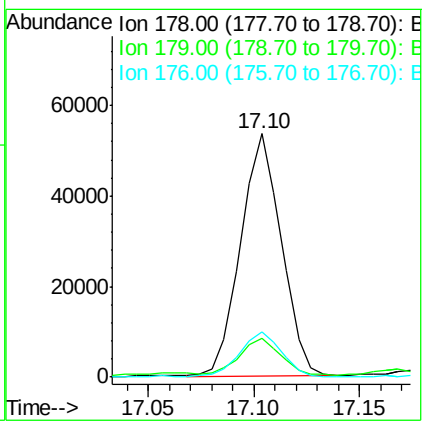


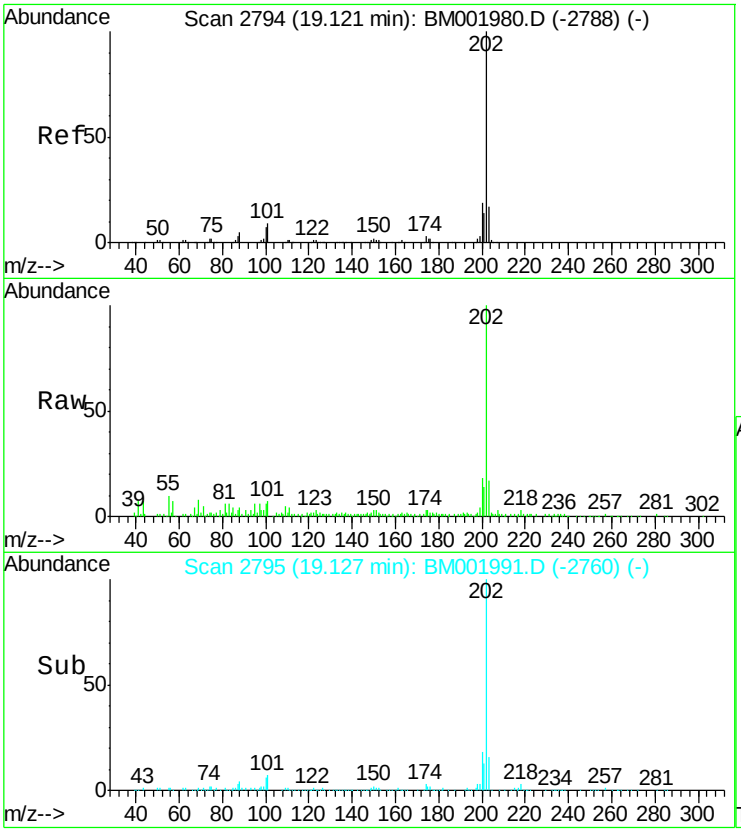




#69
Phenanthrene
Concen: 2.55 ng/ul
RT: 17.10 min Scan# 2451
Delta R.T. 0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

Tgt Ion:178 Resp: 71769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.0 | 12.2 | 18.2 |
| 176 | 18.8 | 14.5 | 21.7 |



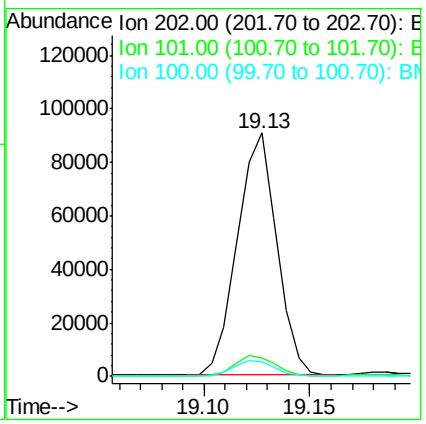


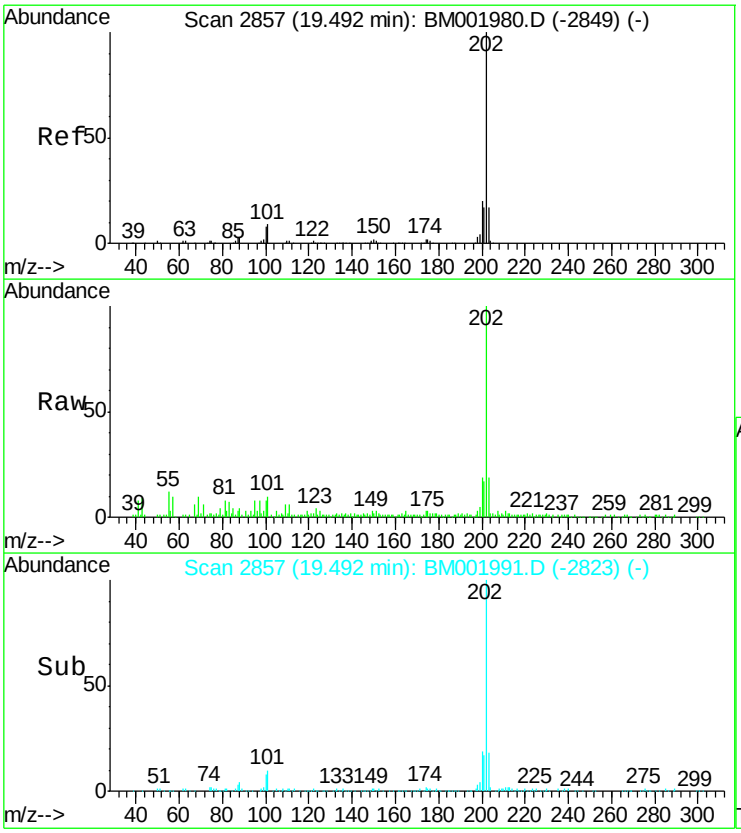

#76
Fluoranthene
Concen: 3.56 ng/ul
RT: 19.13 min Scan# 2795
Delta R.T. 0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

**Instrument :**
BNA_M
**ClientSampleId :**
C02J4

Tgt Ion:202 Resp: 117199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.4 | 6.6 | 9.8 |
| 100 | 6.0 | 5.2 | 7.8 |

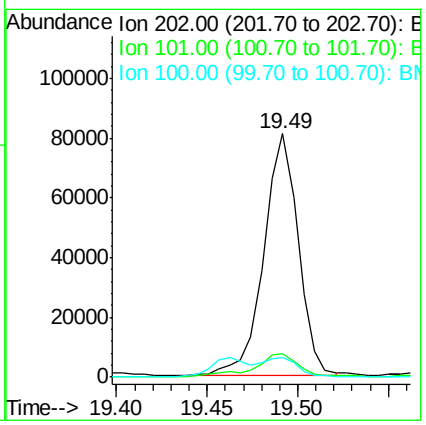


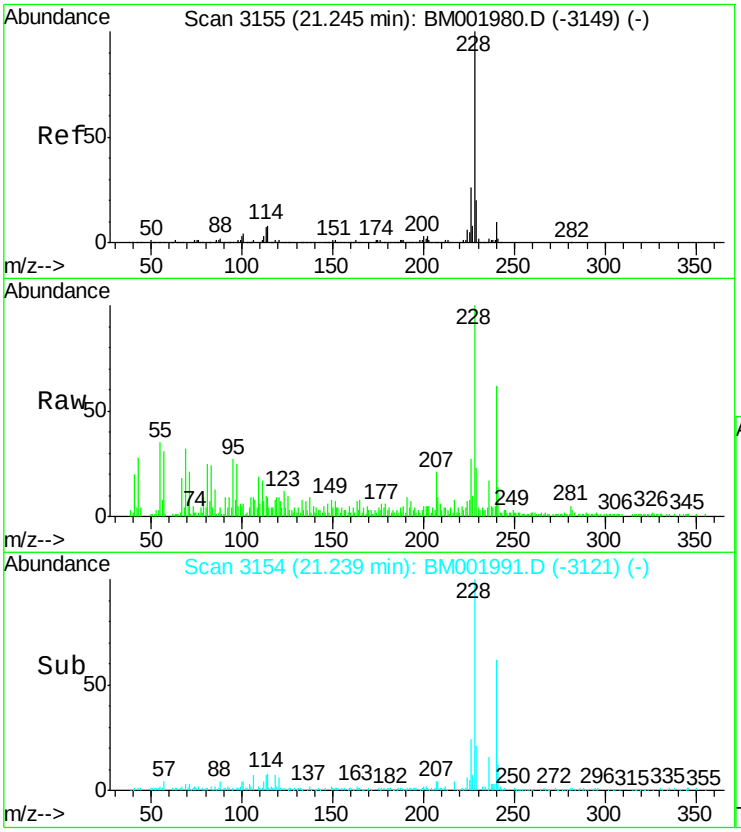




#79
Pyrene
Concen: 4.23 ng/ul
RT: 19.49 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

Tgt Ion:202 Resp: 107686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 7.4 | 11.0 |
| 100 | 8.3 | 5.9 | 8.9 |



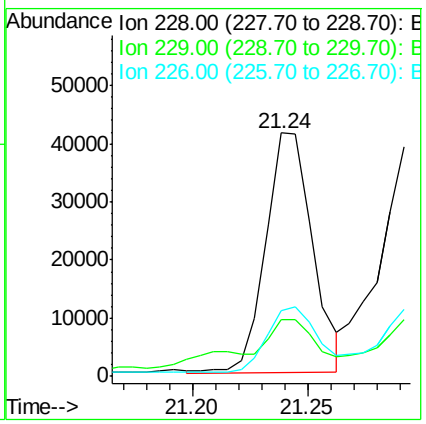


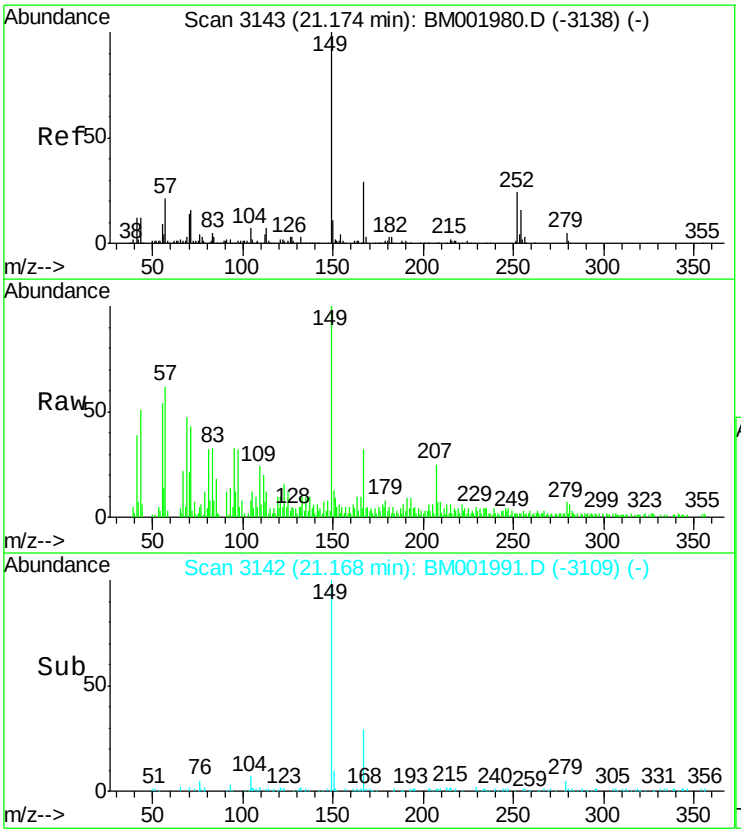

#82
Benzo(a)anthracene
Concen: 2.30 ng/ul
RT: 21.24 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

**Instrument :**
BNA_M
**ClientSampleId :**
C02J4

Tgt Ion:228 Resp: 58276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.4 | 15.2 | 22.8# |
| 226 | 26.7 | 20.8 | 31.2 |

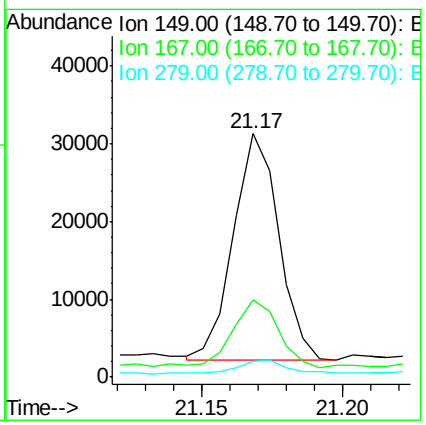


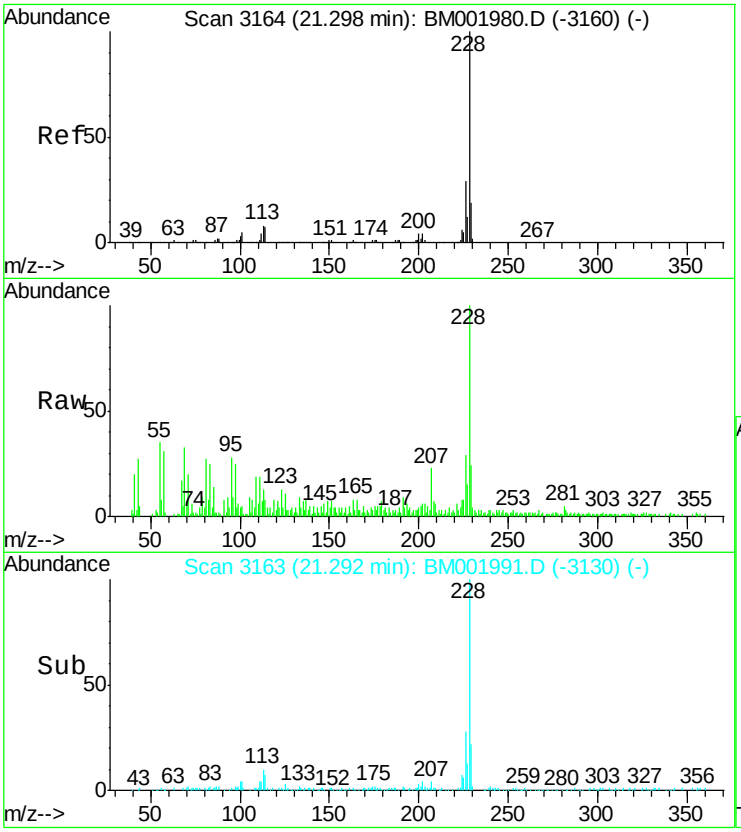




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.29 ng/ul
RT: 21.17 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

Tgt Ion:149 Resp: 32453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 31.7 | 23.4 | 35.0 |
| 279 | 6.5 | 4.0 | 6.0# |



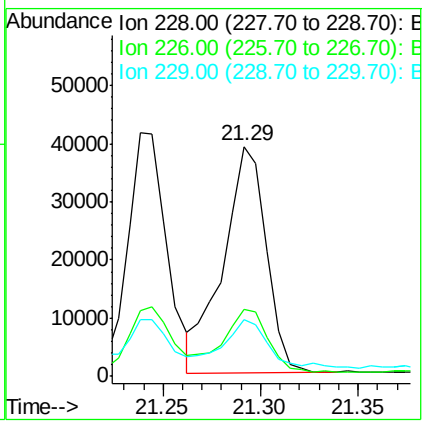


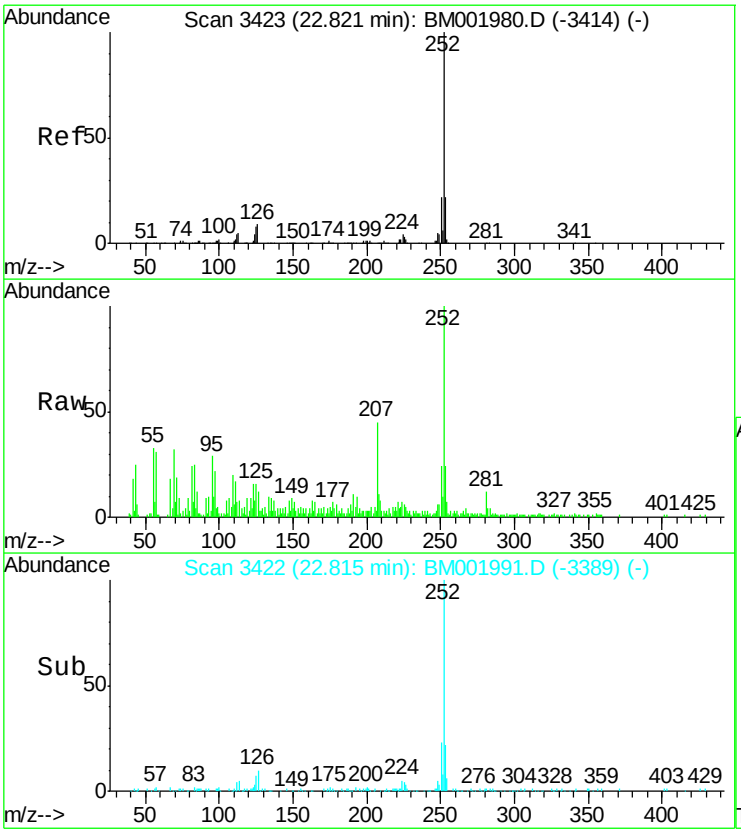

#84
Chrysene
Concen: 2.52 ng/ul
RT: 21.29 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

**Instrument :**
BNA_M
**ClientSampleId :**
C02J4

Tgt Ion:228 Resp: 59802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 22.6 | 33.8 |
| 229 | 24.4 | 15.4 | 23.0# |

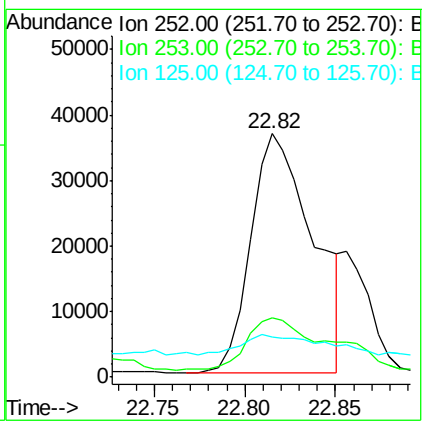


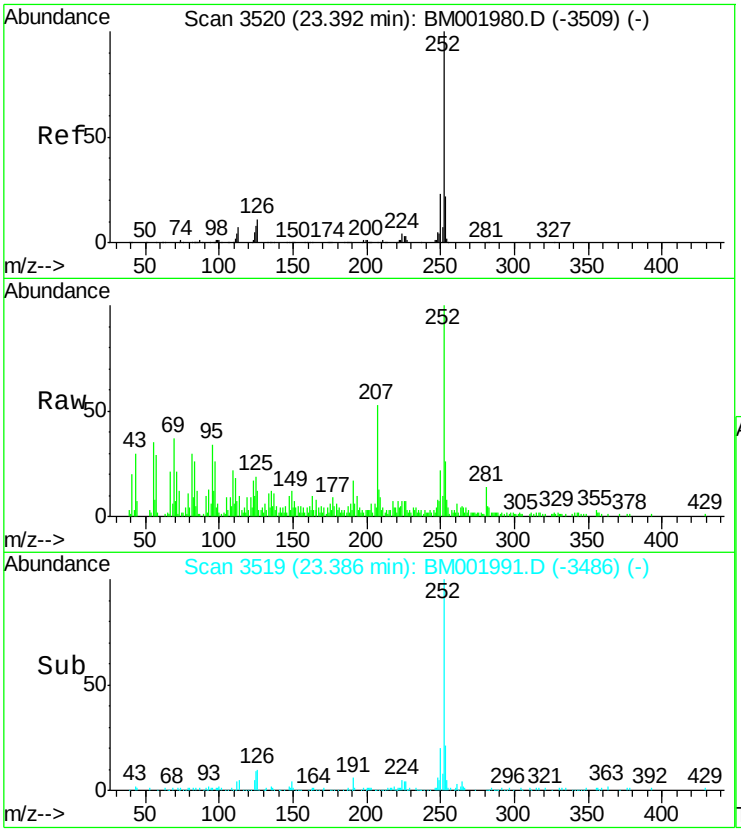




#87
Benzo(b)fluoranthene
Concen: 3.46 ng/ul
RT: 22.82 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

Tgt Ion:252 Resp: 87304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.6 | 26.4 |
| 125 | 16.4 | 6.1 | 9.1# |



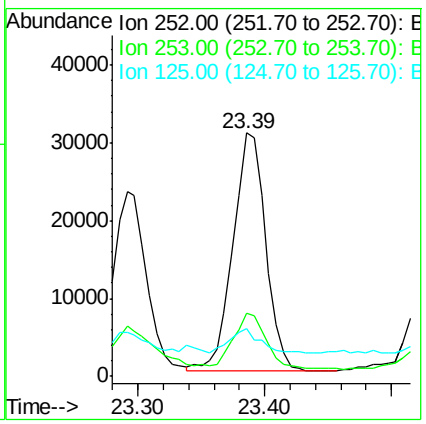


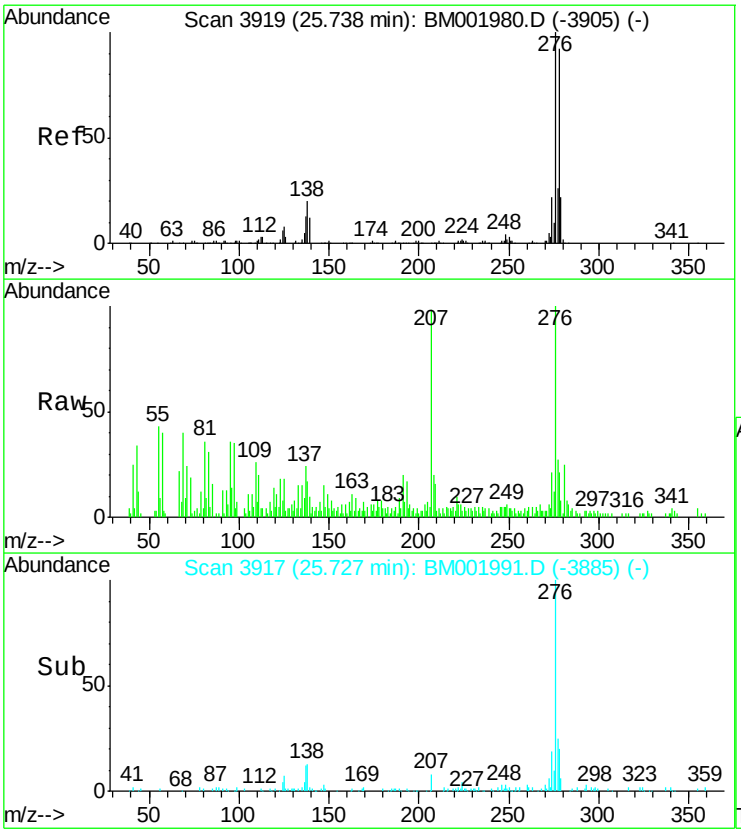

#90
Benzo(a)pyrene
Concen: 2.32 ng/ul
RT: 23.39 min Scan# 3519
Delta R.T. -0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

**Instrument :**
BNA_M
**ClientSampleId :**
C02J4

Tgt Ion:252 Resp: 55020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.9 | 17.4 | 26.2 |
| 125 | 19.4 | 6.4 | 9.6# |

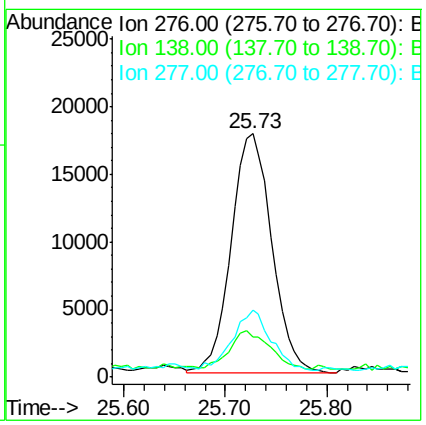


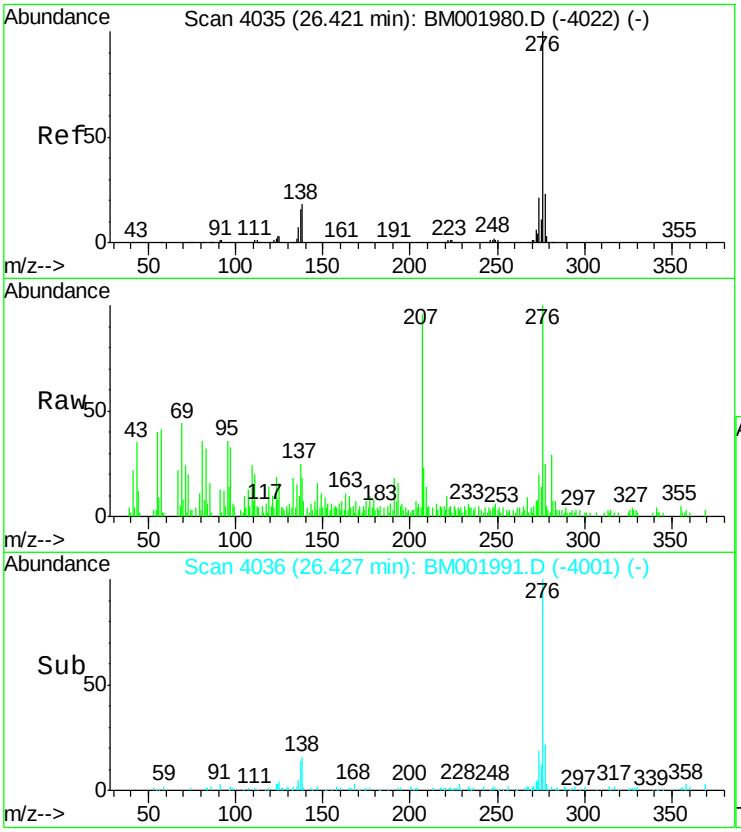




#91
Indeno(1,2,3-cd)pyrene
Concen: 1.97 ng/ul
RT: 25.73 min Scan# 3917
Delta R.T. -0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

Tgt Ion:276 Resp: 48996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.6 | 15.4 | 23.0 |
| 277 | 27.3 | 19.9 | 29.9 |






#93
Benzo(g,h,i)perylene
Concen: 2.58 ng/ul
RT: 26.43 min Scan# 4036
Delta R.T. 0.01 min
Lab File: BM001991.D
Acq: 21 Jul 2015 01:39

**Instrument :**
BNA_M
**ClientSampleId :**
C02J4

Tgt Ion:276 Resp: 52851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.0 | 13.3 | 19.9 |
| 277 | 24.8 | 18.6 | 27.8 |