Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
Data File : BM001095.D
Acq On : 21 Apr 2015 09:22
Operator : TP/IZ
Sample : G1859-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 21 19:12:38 2015
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM01.2-EPA-BM041515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 16 05:47:45 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 221342 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.36 | 136 | 881581 | 20.00 | ng/ul | -0.01 |
| 35) Acenaphthene-d10 | 14.23 | 164 | 464788 | 20.00 | ng/ul | -0.01 |
| 61) Phenanthrene-d10 | 16.99 | 188 | 974334 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.19 | 240 | 1027271 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.36 | 264 | 1027442 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.04 | 96 | 138 | 0.03 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.76 | 99 | 505905 | 29.30 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.91 | 67 | 323982 | 30.12 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4 | 7.11 | 132 | 408239 | 29.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.29 | 113 | 369912 | 27.15 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.73 | 128 | 196204 | 33.01 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4 | 9.45 | 143 | 212562 | 32.02 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3 | 9.99 | 165 | 353004 | 27.29 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.50 | 131 | 370170 | 29.35 | ng/ul | -0.01 |
| 43) Dimethylphthalate-d6 | 13.65 | 166 | 1009799 | 32.61 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.92 | 160 | 1079298 | 24.35 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4 | 14.46 | 143 | 138530 | 23.01 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.23 | 176 | 632206 | 20.54 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 76406 | 14.44 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.08 | 188 | 808474 | 18.33 | ng/ul | -0.01 |
| 76) Pyrene-d10 | 19.39 | 212 | 727250 | 15.25 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.21 | 264 | 486229 | 10.57 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.70 | 163 | 194474 | 5.60 | ng/ul | 97 |
| 69) Phenanthrene | 17.03 | 178 | 56174 | 1.03 | ng/ul | 96 |
| 74) Fluoranthene | 19.05 | 202 | 135772 | 2.31 | ng/ul | 98 |
| 77) Pyrene | 19.42 | 202 | 121646 | 1.86 | ng/ul# | 95 |
| 80) Benzo(a)anthracene | 21.17 | 228 | 71054 | 1.19 | ng/ul | 97 |
| 82) Chrysene | 21.22 | 228 | 64121 | 1.13 | ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.71 | 252 | 78909 | 1.25 | ng/ul# | 82 |
| 88) Benzo(a)pyrene | 23.26 | 252 | 61107 | 1.03 | ng/ul# | 89 |

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

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 16 05:47:45 2015
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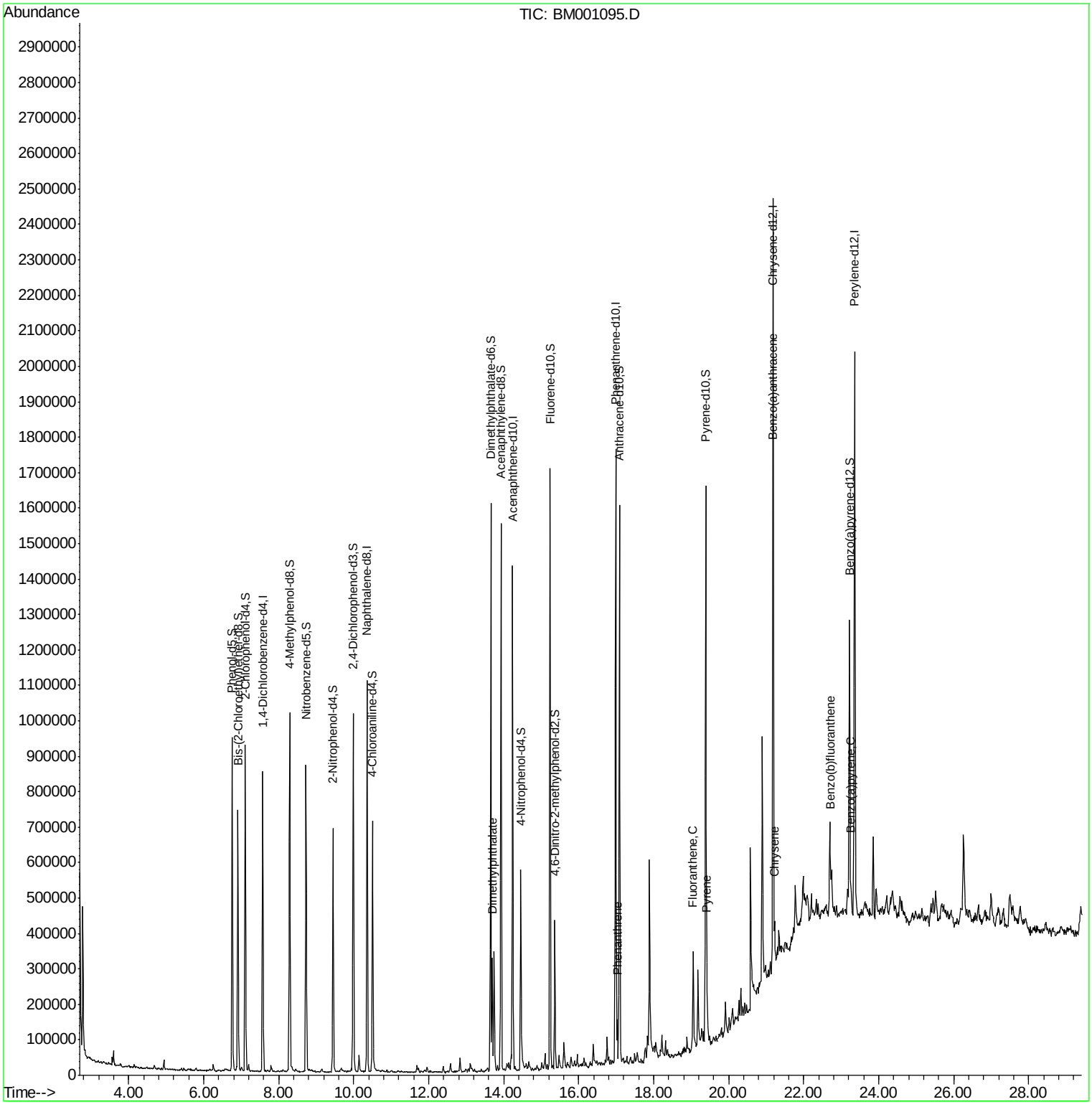
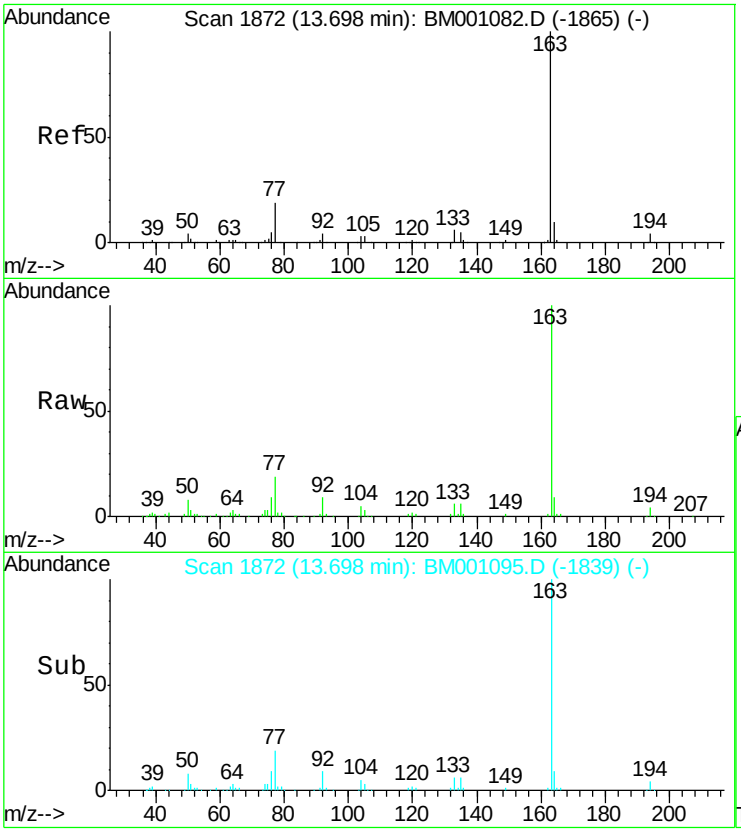
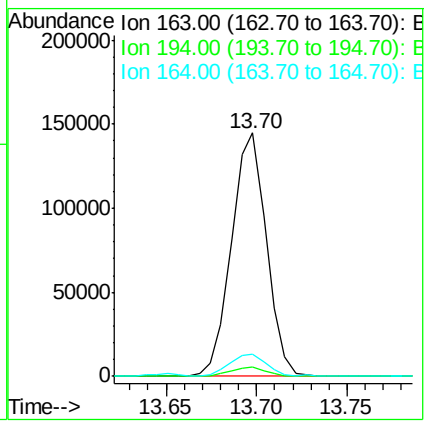


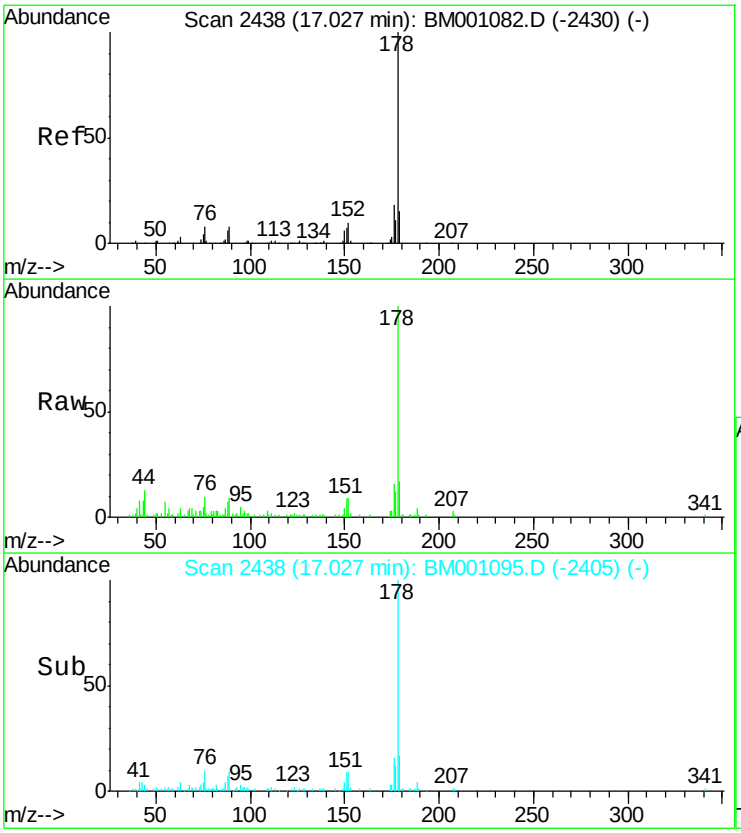



#44
Dimethylphthalate
Concen: 5.60 ng/ul
RT: 13.70 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:163 Resp: 194474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.0 | 4.4 |
| 164 | 9.0 | 8.2 | 12.4 |

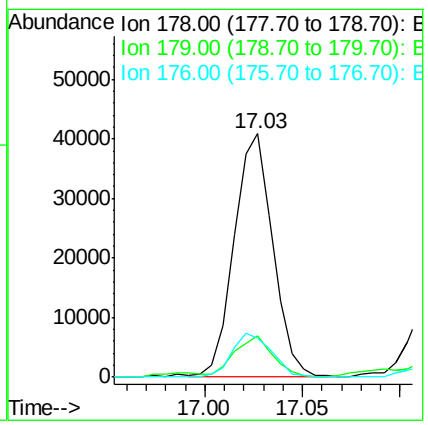


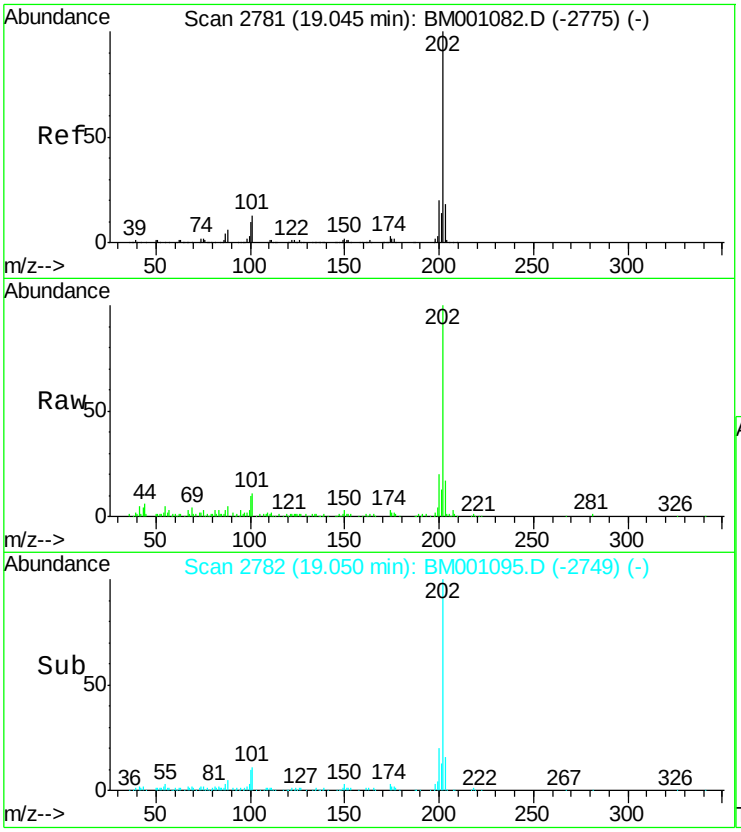




#69
Phenanthrene
Concen: 1.03 ng/ul
RT: 17.03 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:178 Resp: 56174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.8 | 11.9 | 17.9 |
| 176 | 15.7 | 13.8 | 20.6 |

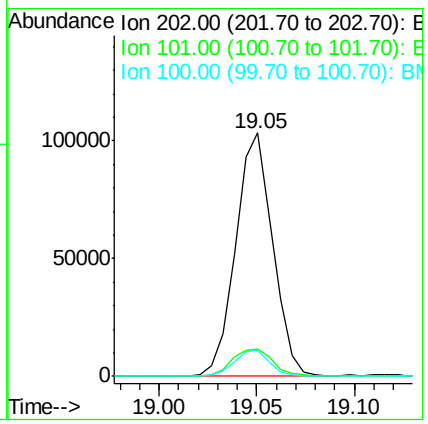


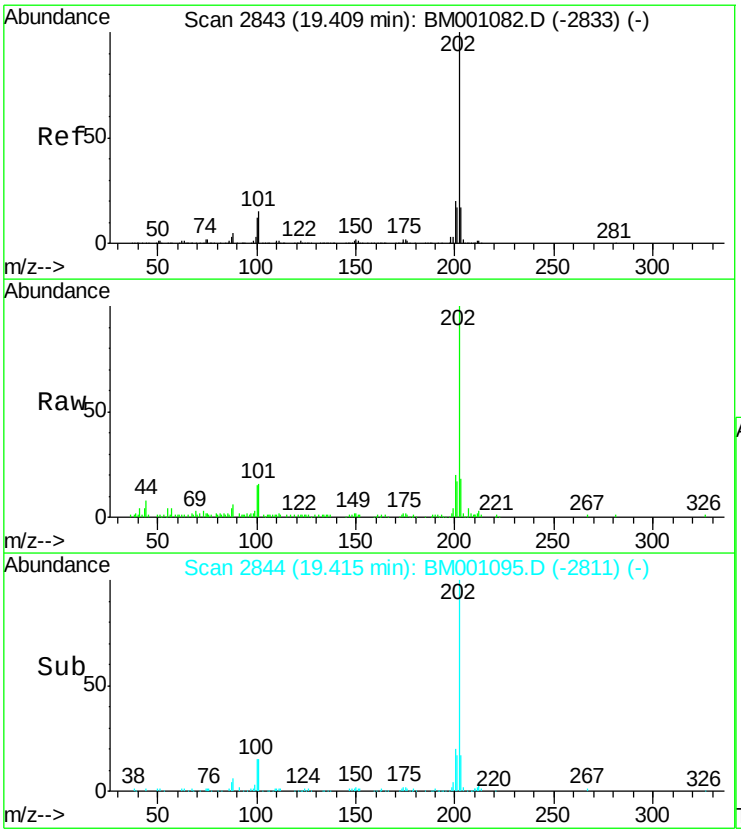



#74
Fluoranthene
Concen: 2.31 ng/ul
RT: 19.05 min Scan# 2782
Delta R.T. -0.01 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:202 Resp: 135772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 9.8 | 14.6 |
| 100 | 10.5 | 7.7 | 11.5 |

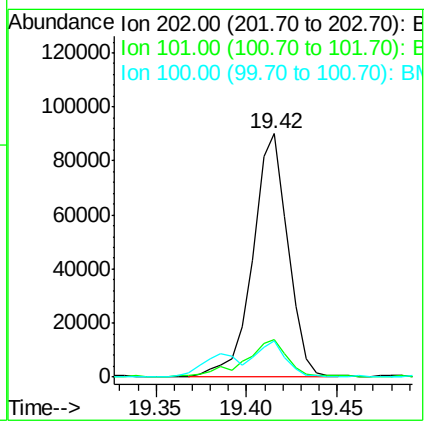


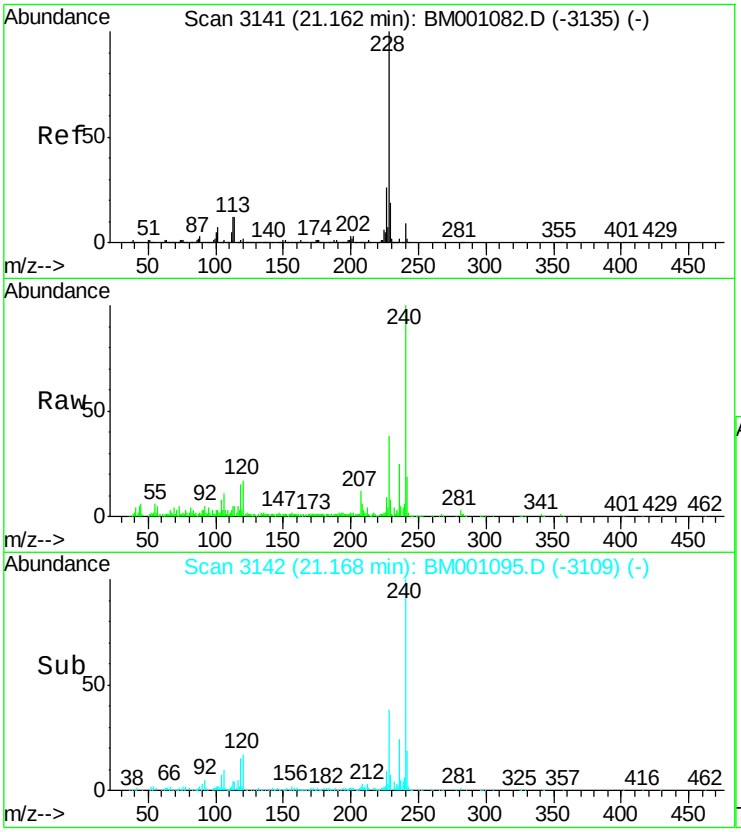




#77
Pyrene
Concen: 1.86 ng/ul
RT: 19.42 min Scan# 2844
Delta R.T. -0.01 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:202 Resp: 121646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.6 | 11.4 | 17.2 |
| 100 | 14.7 | 9.8 | 14.6# |

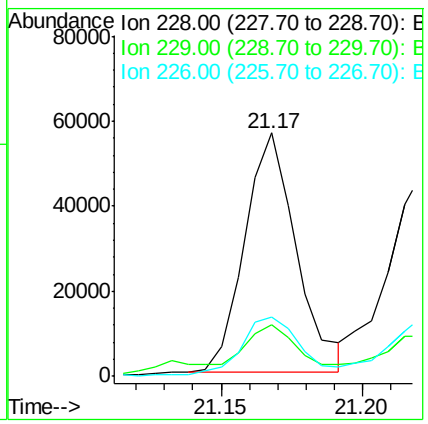


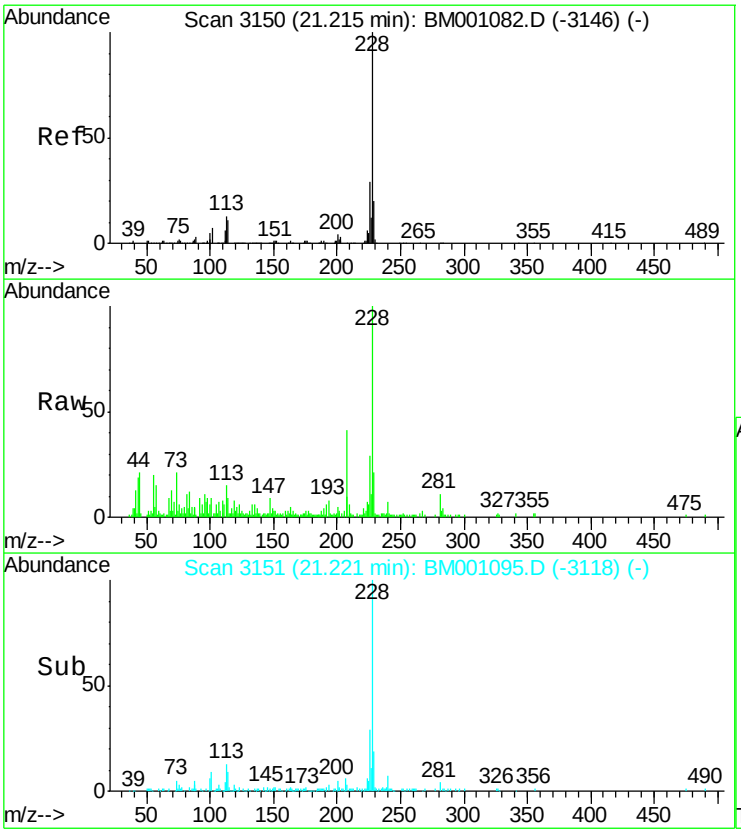



#80
Benzo(a)anthracene
Concen: 1.19 ng/ul
RT: 21.17 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:228 Resp: 71054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 15.6 | 23.4 |
| 226 | 24.6 | 21.1 | 31.7 |

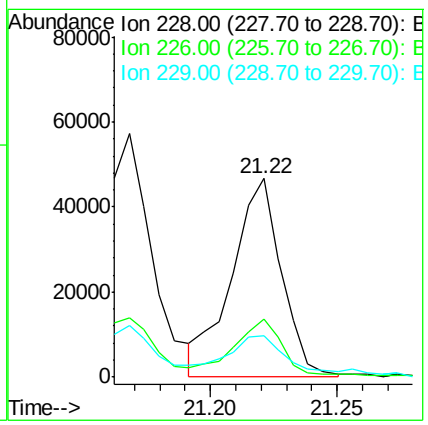


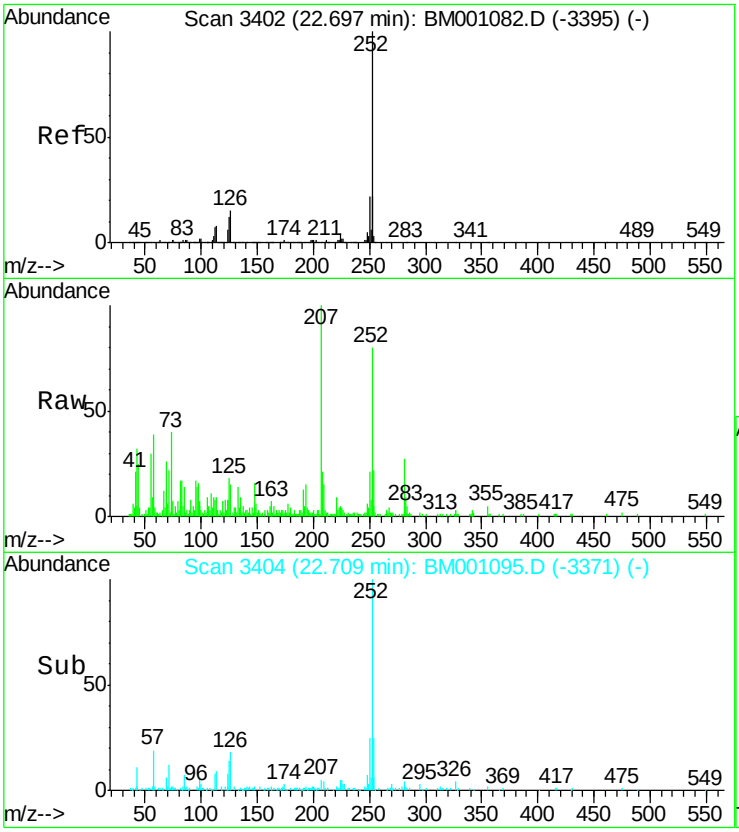




#82
Chrysene
Concen: 1.13 ng/ul
RT: 21.22 min Scan# 3151
Delta R.T. -0.01 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:228 Resp: 64121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 23.6 | 35.4 |
| 229 | 20.6 | 15.8 | 23.6 |

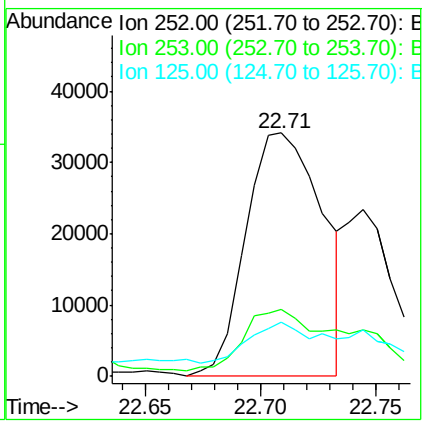


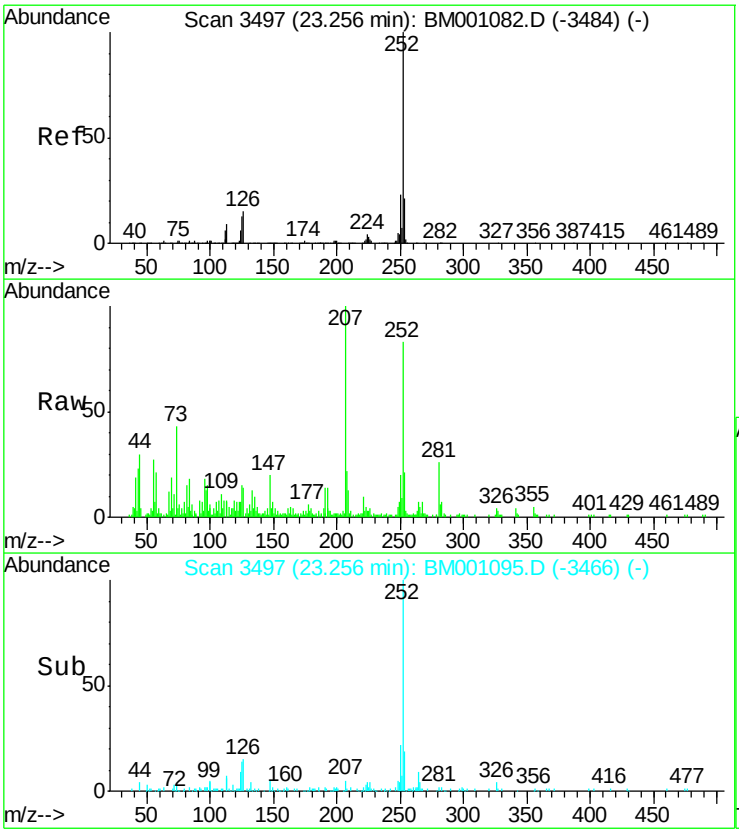



#85
Benzo(b)fluoranthene
Concen: 1.25 ng/ul
RT: 22.71 min Scan# 3404
Delta R.T. -0.01 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:252 Resp: 78909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.8 | 17.3 | 25.9# |
| 125 | 22.1 | 9.7 | 14.5# |




#88
Benzo(a)pyrene
Concen: 1.03 ng/ul
RT: 23.26 min Scan# 3497
Delta R.T. -0.02 min
Lab File: BM001095.D
Acq: 21 Apr 2015 09:22

Tgt Ion:252 Resp: 61107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 17.2 | 25.8 |
| 125 | 18.6 | 9.7 | 14.5# |