Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
Data File : BM006806.D
Acq On : 01 Aug 2016 01:56
Operator : UM/SJ
Sample : H4188-15MS
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9ZP2MS

**Manual Integrations APPROVED**
sohil
8/1/2016 7:08:00 PM

Quant Time: Aug 01 08:00:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 255591 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.38 | 136 | 1034095 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.26 | 164 | 558143 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.01 | 188 | 1238490 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.22 | 240 | 1340316 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.42 | 264 | 1426690 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.13 | 96 | 10078 | 1.59 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.79 | 99 | 318515 | 14.65 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 6.95 | 67 | 229594 | 17.04 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.14 | 132 | 277974 | 16.00 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.32 | 113 | 160404 | 9.51 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5 | 8.76 | 128 | 144547 | 18.47 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.47 | 143 | 158381 | 19.03 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 271099 | 17.23 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4 | 10.53 | 131 | 232928 | 13.45 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6 | 13.67 | 166 | 839121 | 19.17 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 13.95 | 160 | 1085630 | 19.44 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.49 | 143 | 81979 | 10.79 | ng/ul | 0.00 |
| 21) Fluorene-d10 | 15.26 | 176 | 754776 | 19.28 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 73802 | 11.48 | ng/ul | 0.00 |
| 26) Anthracene-d10 | 17.11 | 188 | 1154253 | 19.63 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.42 | 212 | 1279252 | 20.95 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.28 | 264 | 1290508 | 19.66 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) Acenaphthene | 14.32 | 153 | 630385 | 16.40 | ng/ul | 94 |
| 25) Phenanthrene | 17.05 | 178 | 203796 | 2.93 | ng/ul | 99 |
| 28) Fluoranthene | 19.08 | 202 | 488574 | 5.97 | ng/ul | 97 |
| 31) Pyrene | 19.44 | 202 | 1788531 | 22.04 | ng/ul | 97 |
| 32) Benzo(a)anthracene | 21.20 | 228 | 267611 | 3.29 | ng/ul | 97 |
| 33) Chrysene | 21.25 | 228 | 275672m | 3.68 | ng/ul | |
| 35) Benzo(b)fluoranthene | 22.76 | 252 | 407895 | 4.77 | ng/ul | 98 |
| 36) Benzo(k)fluoranthene | 22.79 | 252 | 152886m | 1.85 | ng/ul | |
| 38) Benzo(a)pyrene | 23.32 | 252 | 284137 | 3.41 | ng/ul | 96 |
| 39) Indeno(1,2,3-cd)pyrene | 25.63 | 276 | 229621 | 2.38 | ng/ul | 98 |
| 41) Benzo(g,h,i)perylene | 26.30 | 276 | 228007 | 2.76 | ng/ul# | 95 |

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

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Misc :
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QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
D9ZP2MS

**Manual Integrations APPROVED**
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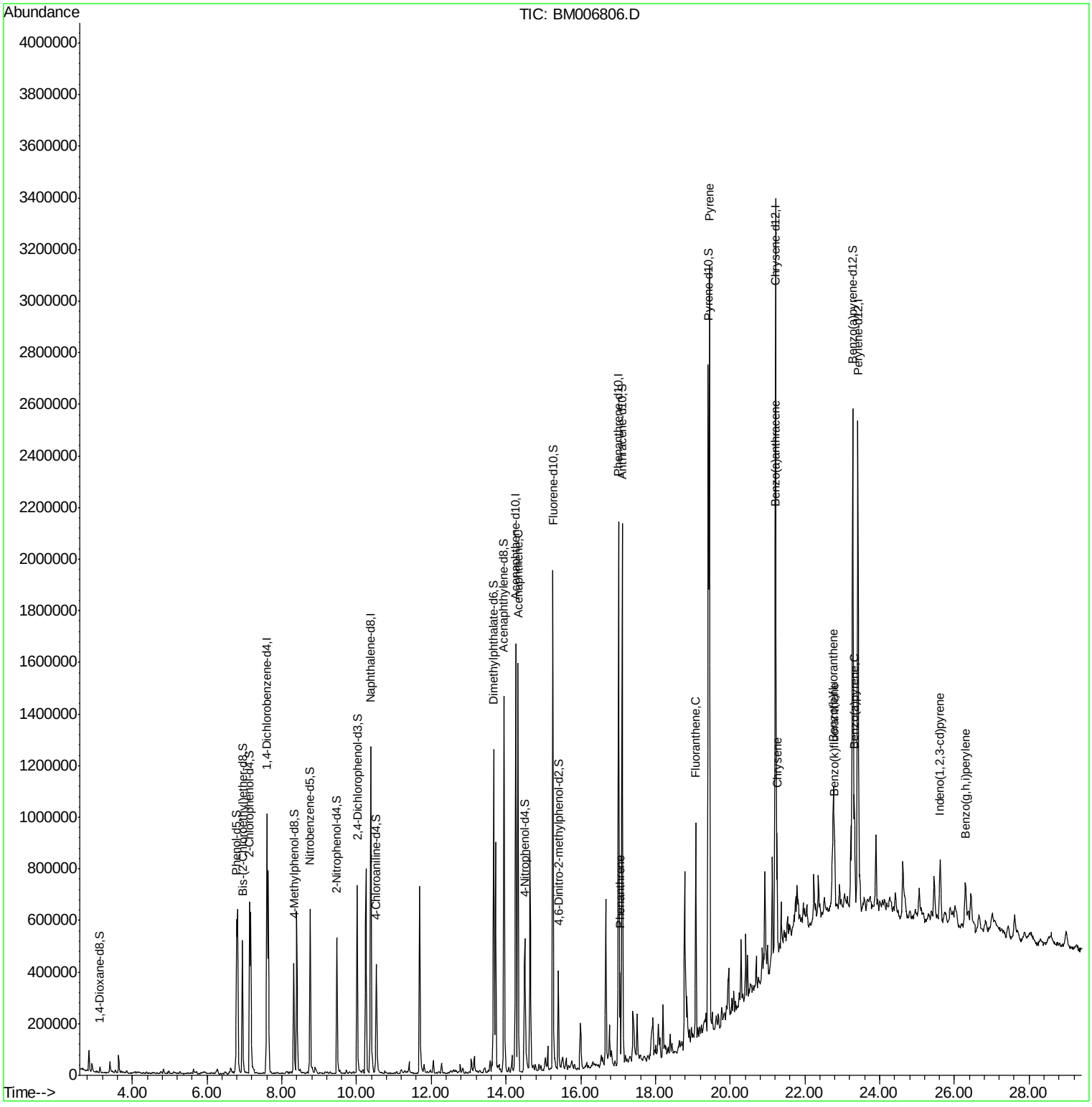
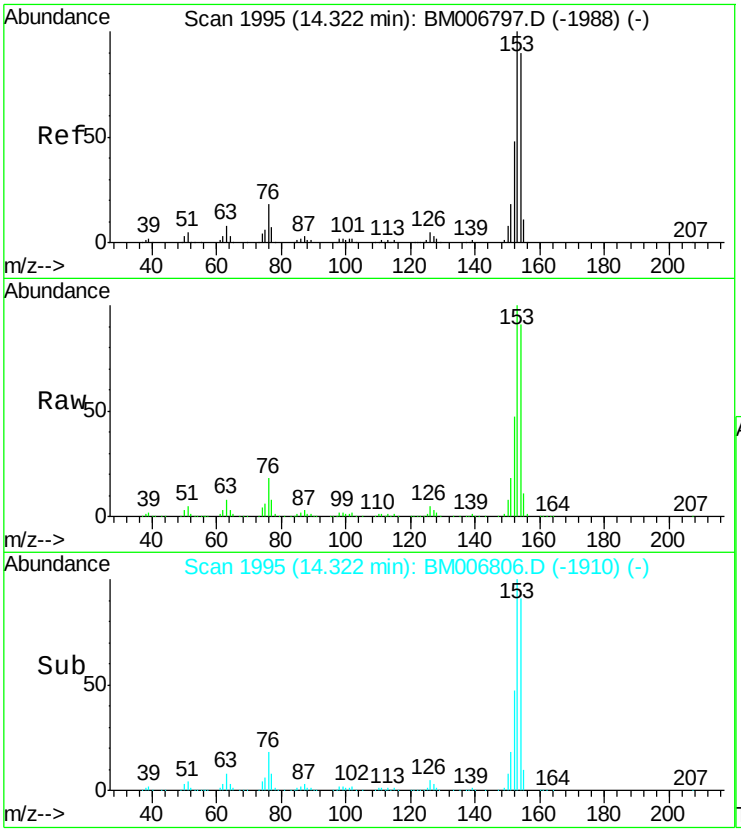
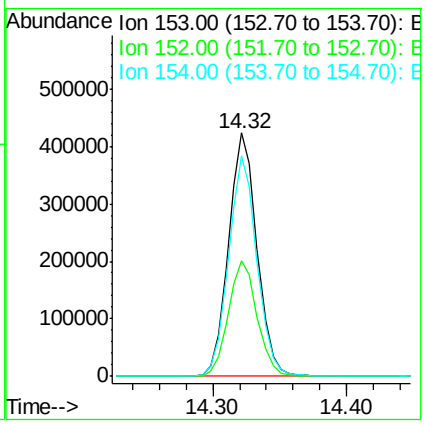





#19
Acenaphthene
Concen: 16.40 ng/ul
RT: 14.32 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:153 Resp: 630385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.5 | 36.5 | 54.7 |
| 154 | 90.8 | 67.3 | 100.9 |

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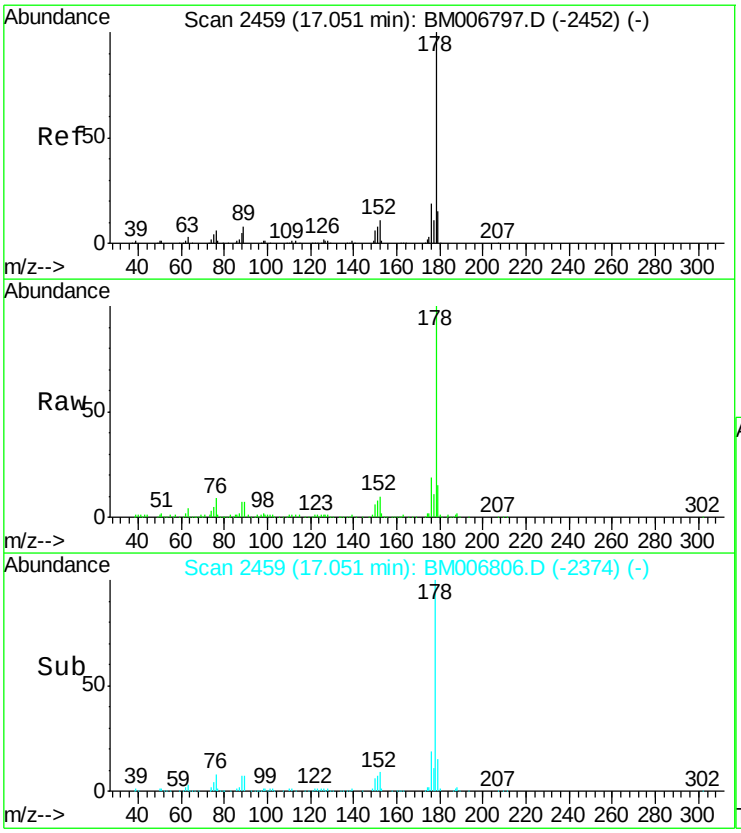
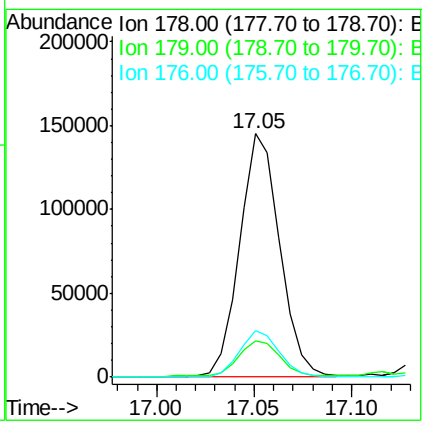
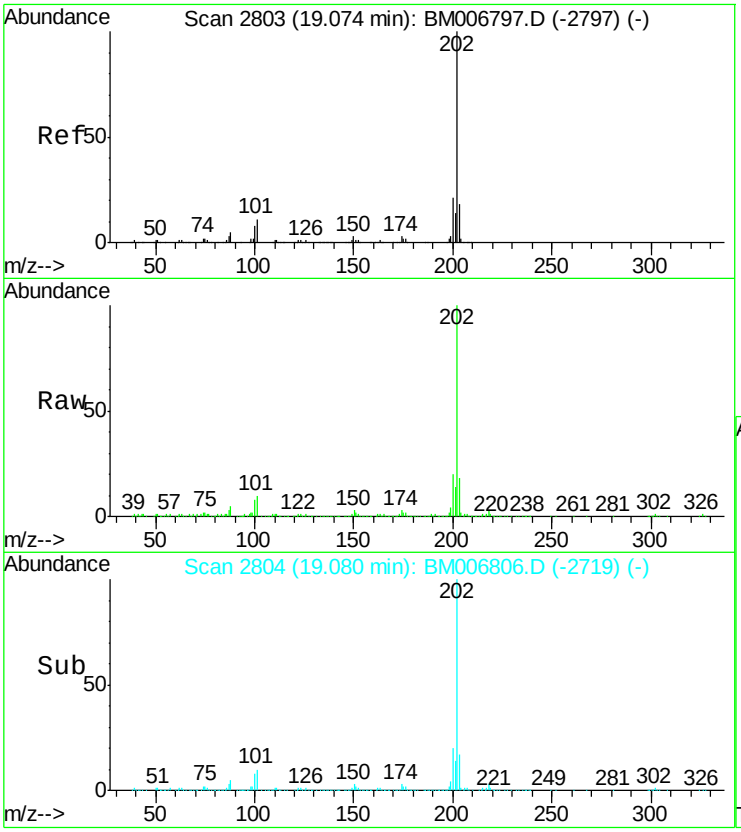



#25
Phenanthrene
Concen: 2.93 ng/ul
RT: 17.05 min Scan# 2459
Delta R.T. 0.00 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:178 Resp: 203796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.0 | 11.8 | 17.8 |
| 176 | 19.3 | 14.8 | 22.2 |

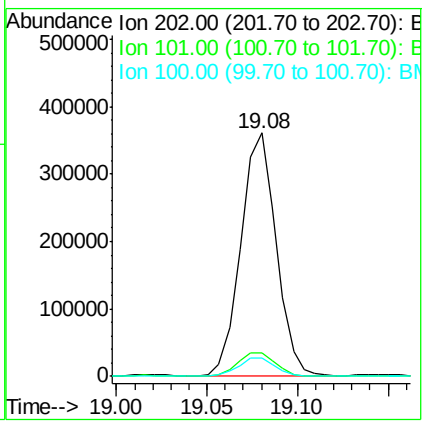





#28
Fluoranthene
Concen: 5.97 ng/ul
RT: 19.08 min Scan# 2804
Delta R.T. 0.00 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:202 Resp: 488574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 8.9 | 13.3 |
| 100 | 7.7 | 7.0 | 10.4 |




**Instrument :**
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**ClientSampleId :**
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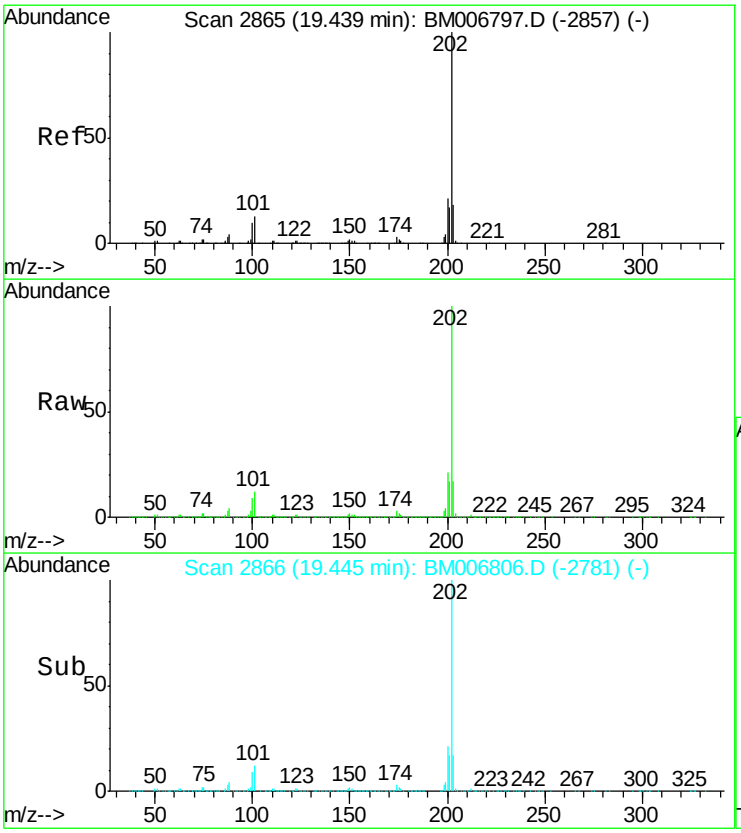
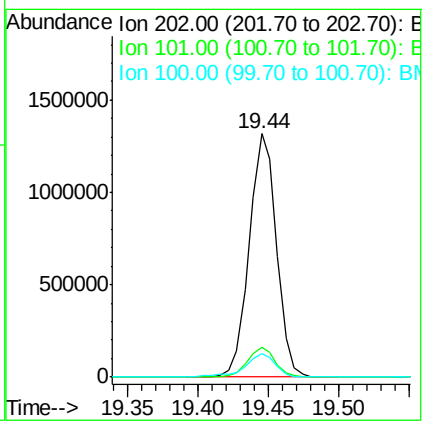
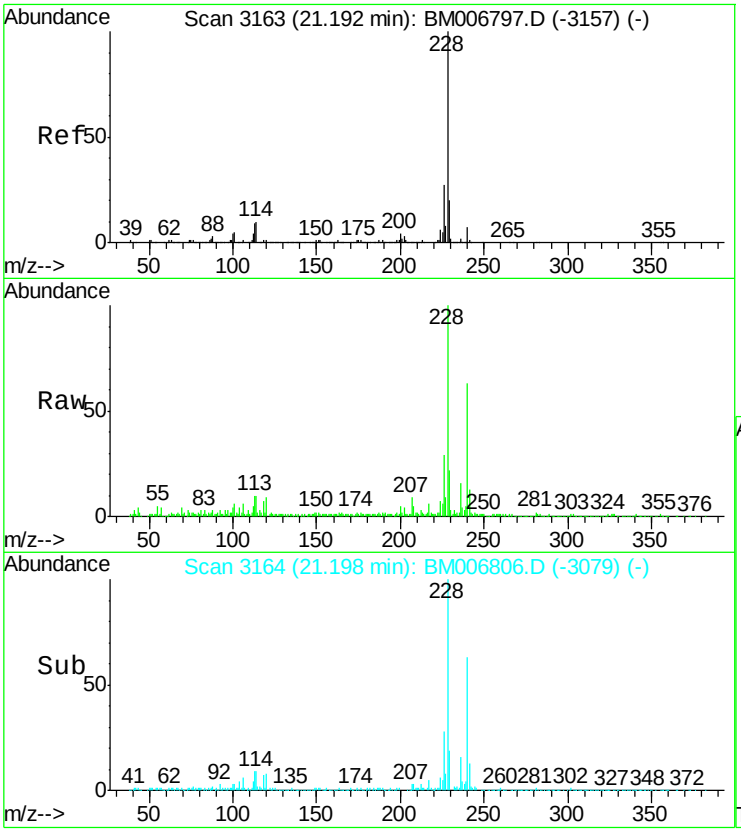



#31
Pyrene
Concen: 22.04 ng/ul
RT: 19.44 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:202 Resp: 1788531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 9.8 | 14.8 |
| 100 | 9.4 | 9.3 | 13.9 |

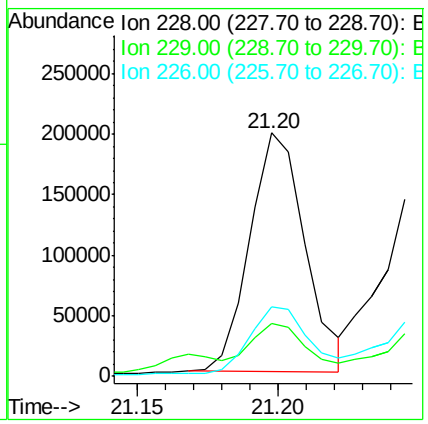





#32
Benzo(a)anthracene
Concen: 3.29 ng/ul
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:228 Resp: 267611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 16.6 | 25.0 |
| 226 | 28.6 | 21.0 | 31.4 |

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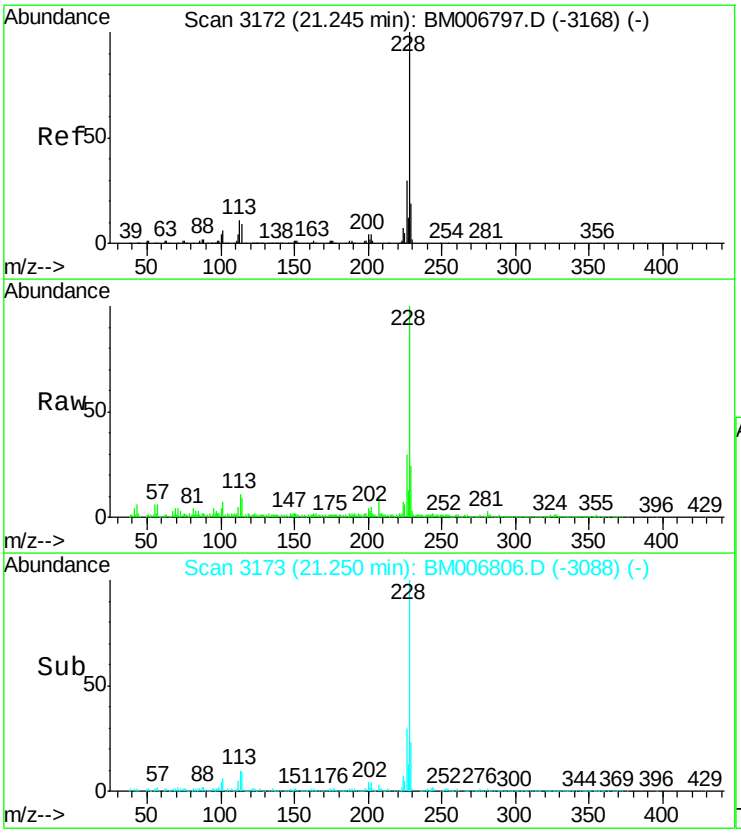
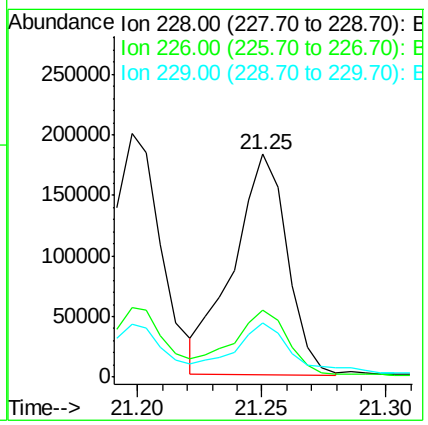
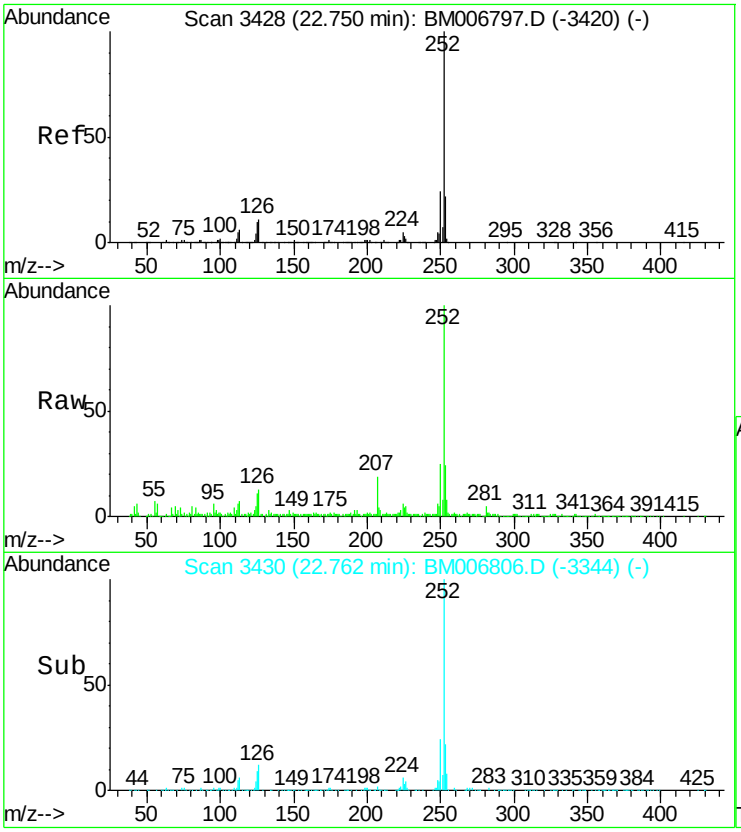



#33
Chrysene
Concen: 3.68 ng/ul m
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:228 Resp: 275672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.4 | 35.2 |
| 229 | 24.3 | 16.2 | 24.2# |

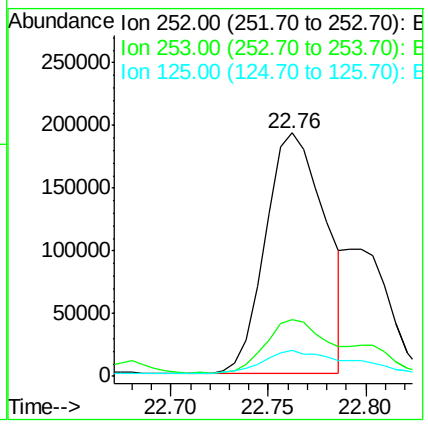





#35
Benzo(b)fluoranthene
Concen: 4.77 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:252 Resp: 407895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 18.1 | 27.1 |
| 125 | 10.5 | 7.6 | 11.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
D9ZP2MS

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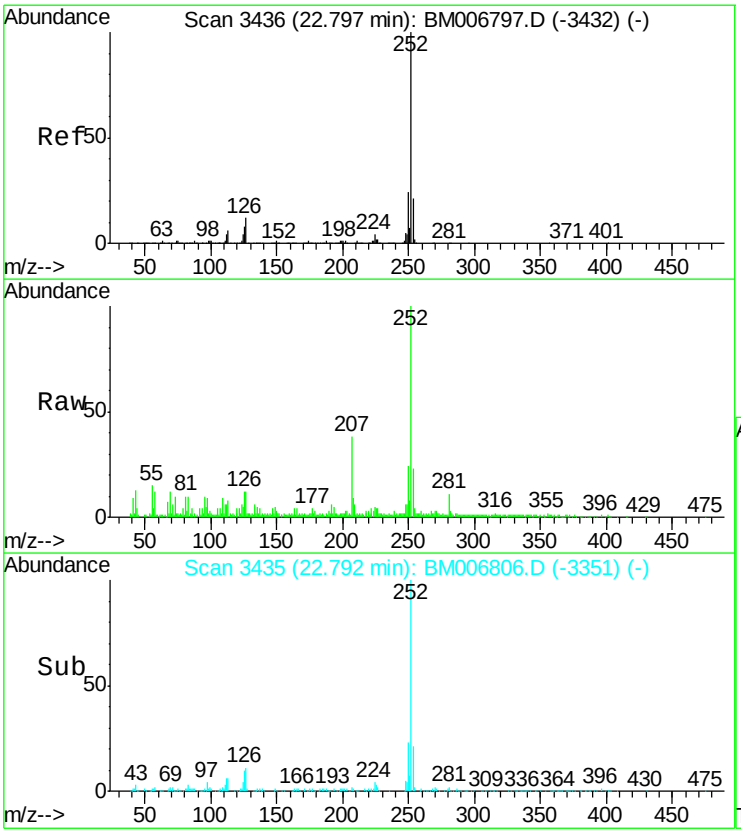
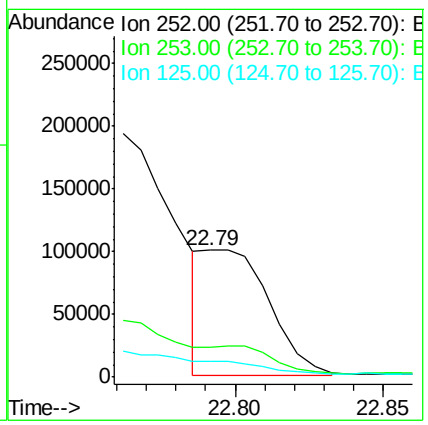
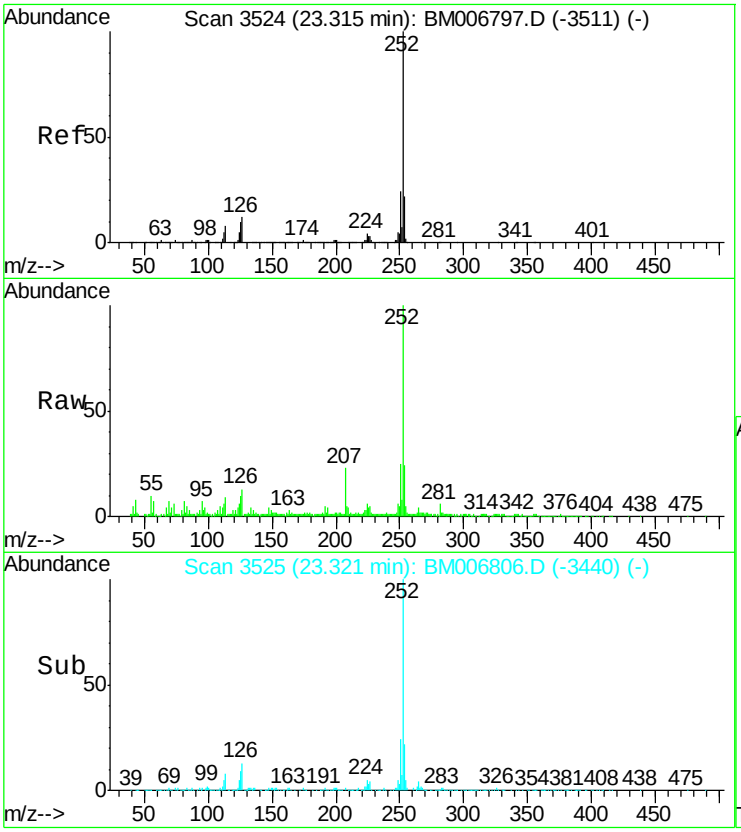



#36
Benzo(k)fluoranthene
Concen: 1.85 ng/ul m
RT: 22.79 min Scan# 3435
Delta R.T. -0.01 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:252 Resp: 152886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.8 | 26.8 |
| 125 | 12.3 | 7.7 | 11.5# |

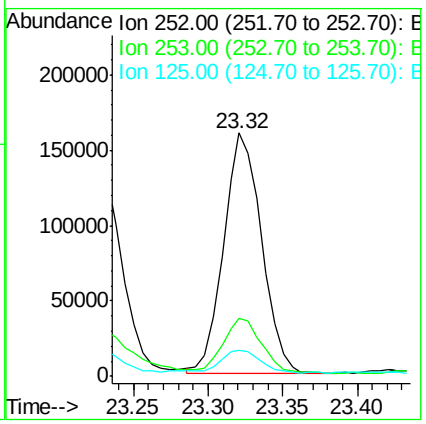





#38
Benzo(a)pyrene
Concen: 3.41 ng/ul
RT: 23.32 min Scan# 3525
Delta R.T. 0.00 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:252 Resp: 284137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 17.4 | 26.0 |
| 125 | 10.5 | 8.2 | 12.2 |

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**ClientSampleId :**
D9ZP2MS

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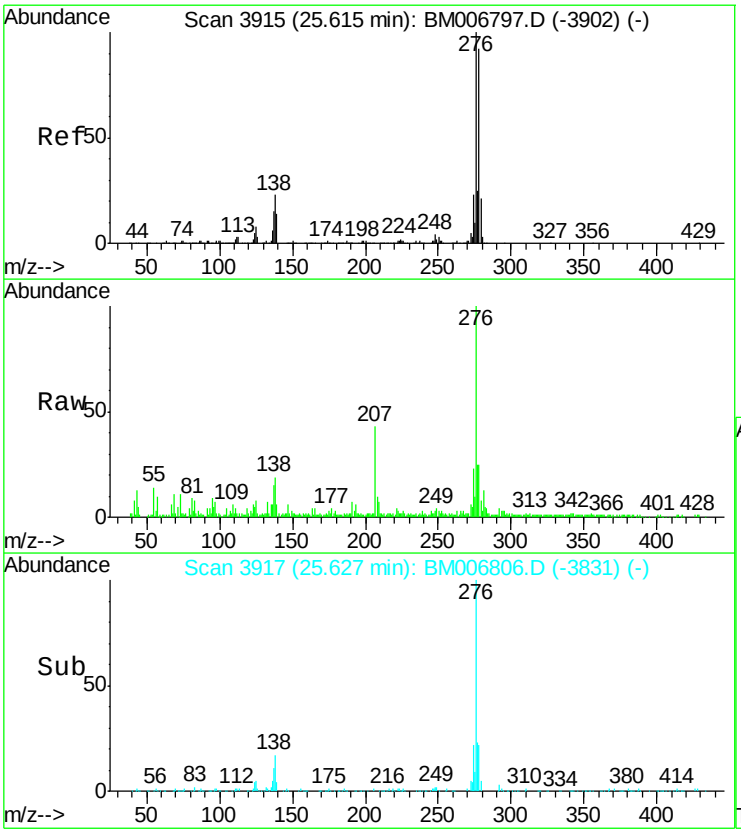
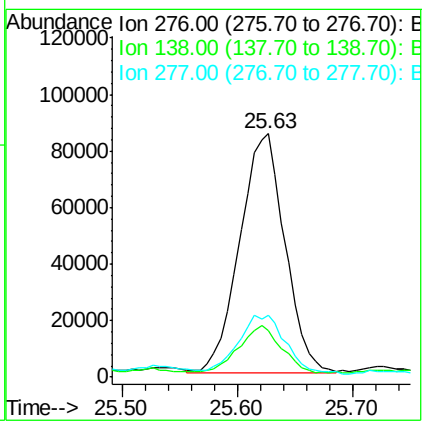
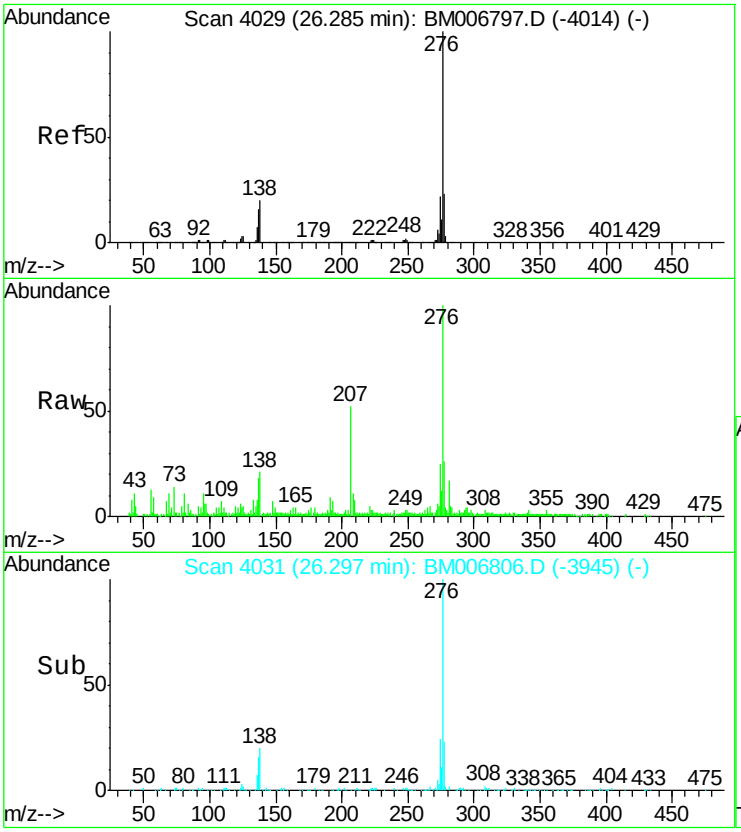



#39
Indeno(1,2,3-cd)pyrene
Concen: 2.38 ng/ul
RT: 25.63 min Scan# 3917
Delta R.T. 0.01 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:276 Resp: 229621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.0 | 15.8 | 23.6 |
| 277 | 25.4 | 19.0 | 28.6 |

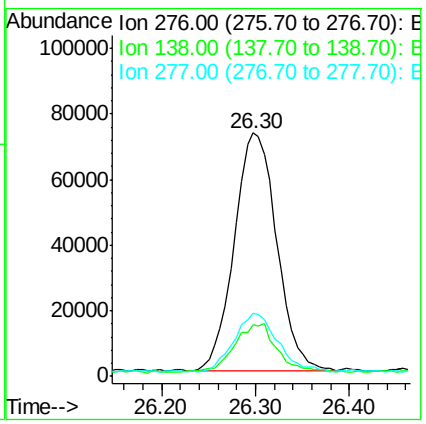





#41
Benzo(g,h,i)perylene
Concen: 2.76 ng/ul
RT: 26.30 min Scan# 4031
Delta R.T. 0.01 min
Lab File: BM006806.D
Acq: 01 Aug 2016 01:56

Tgt Ion:276 Resp: 228007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 13.9 | 20.9# |
| 277 | 25.7 | 19.8 | 29.6 |

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