Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
Data File : BM002426.D
Acq On : 15 Aug 2015 15:58
Operator : UM/IZ
Sample : G3219-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
D9DA8

**Manual Integrations APPROVED**
MMDadoda
8/17/2015 2:45:59 PM

Quant Time: Aug 17 05:02:55 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.87 | 152 | 162565 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.74 | 136 | 678308 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.45 | 164 | 341340 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 18.16 | 188 | 666392 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 22.23 | 240 | 449589 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.90 | 264 | 393004 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 15.15 | 160 | 526578 | 15.09 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.42 | 176 | 356423 | 14.54 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 18.25 | 188 | 491203 | 15.28 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 20.47 | 212 | 425789 | 21.37 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.72 | 264 | 289539 | 14.03 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 13) Phenanthrene | 18.20 | 178 | 84503 | 2.20 | ng/ul | 99 |
| 16) Fluoranthene | 20.14 | 202 | 151731 | 3.48 | ng/ul | 99 |
| 19) Pyrene | 20.50 | 202 | 133602 | 5.07 | ng/ul | 98 |
| 20) Benzo(a)anthracene | 22.22 | 228 | 61726 | 2.30 | ng/ul# | 95 |
| 21) Chrysene | 22.27 | 228 | 78099 | 3.11 | ng/ul# | 95 |
| 23) Benzo(b)fluoranthene | 24.07 | 252 | 106696 | 4.49 | ng/ul# | 94 |
| 24) Benzo(k)fluoranthene | 24.12 | 252 | 27753m | 1.23 | ng/ul | |
| 26) Benzo(a)pyrene | 24.78 | 252 | 62998 | 2.78 | ng/ul# | 93 |
| 27) Indeno(1,2,3-cd)pyrene | 27.71 | 276 | 51919 | 1.99 | ng/ul | 93 |
| 29) Benzo(g,h,i)perylene | 28.59 | 276 | 58980 | 2.71 | ng/ul# | 93 |

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

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Misc :
ALS Vial : 33 Sample Multiplier: 1

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Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
D9DA8

**Manual Integrations APPROVED**
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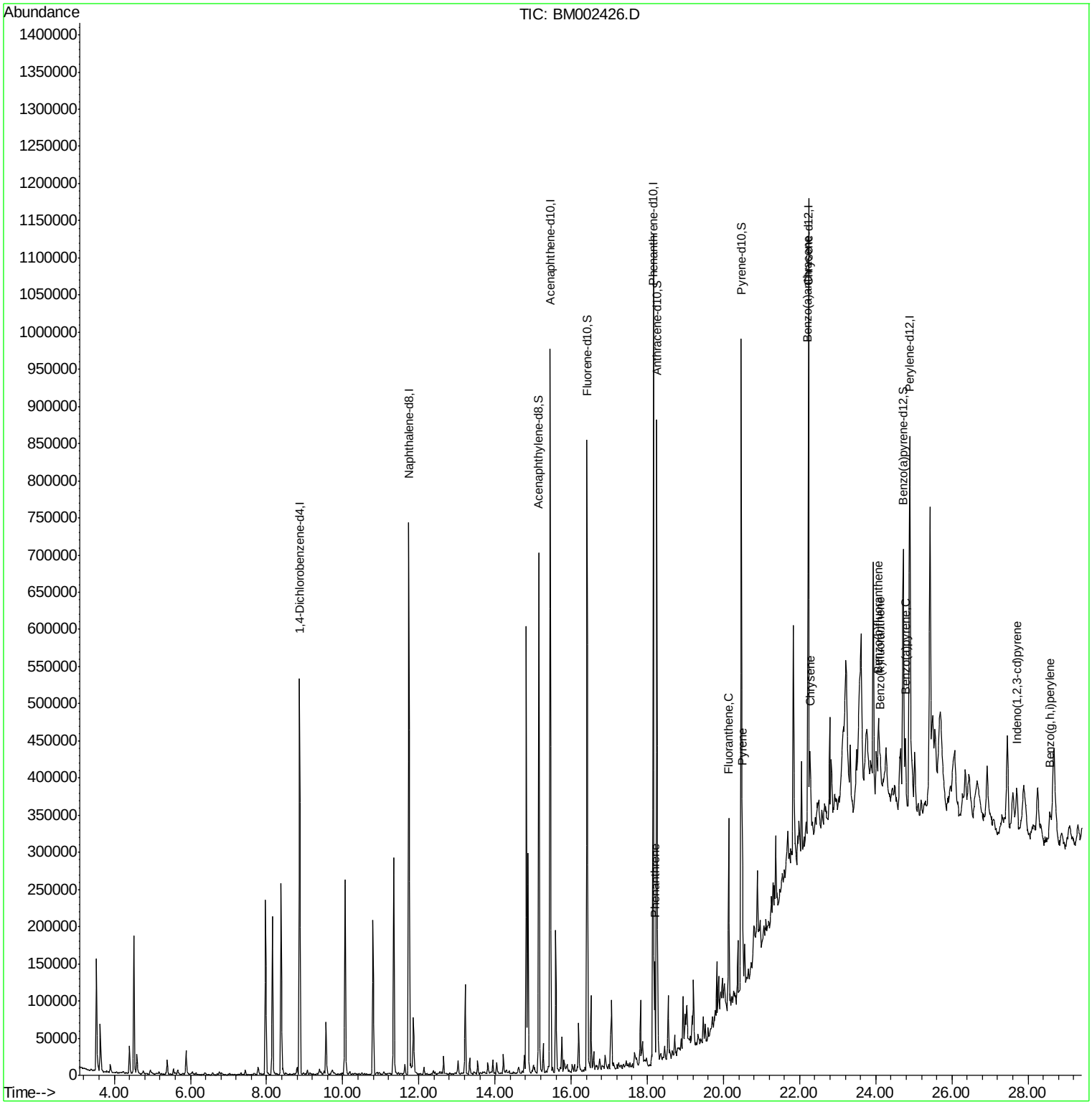
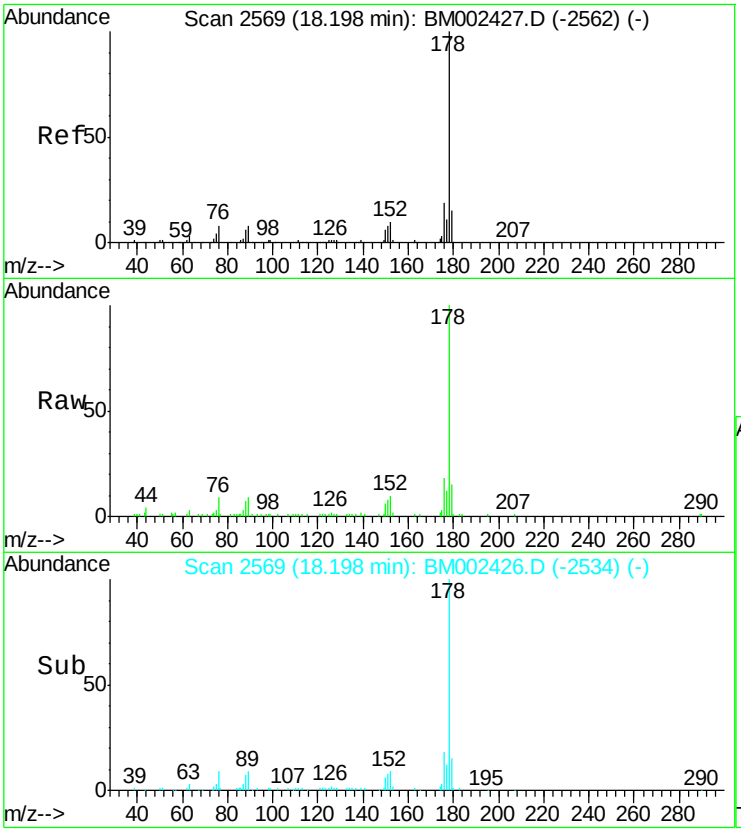
8/17/2015 2:45:59 PM

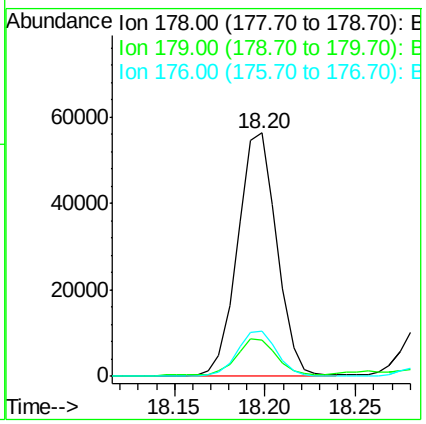





#13
Phenanthrene
Concen: 2.20 ng/ul
RT: 18.20 min Scan# 2569
Delta R.T. 0.01 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:178 Resp: 84503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.9 | 12.4 | 18.6 |
| 176 | 18.4 | 15.1 | 22.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
D9DA8

**Manual Integrations APPROVED**
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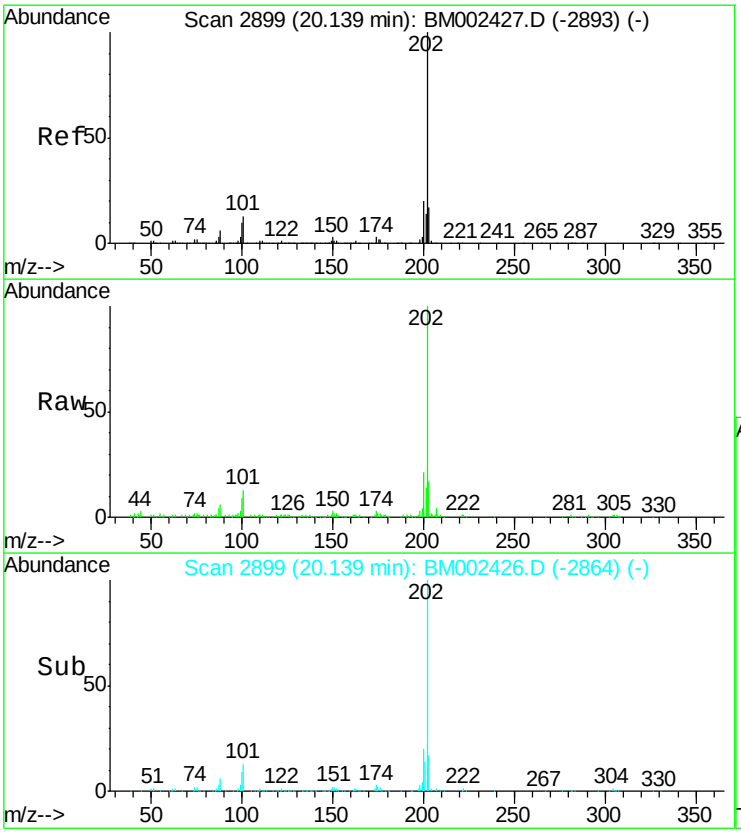
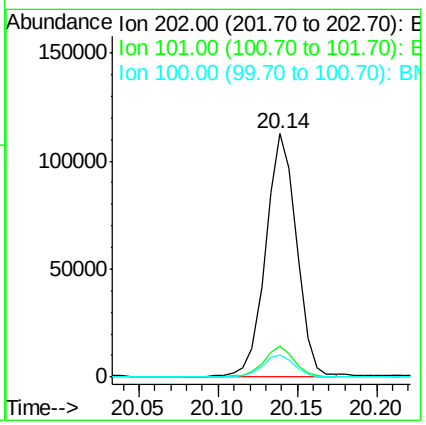
8/17/2015 2:45:59 PM

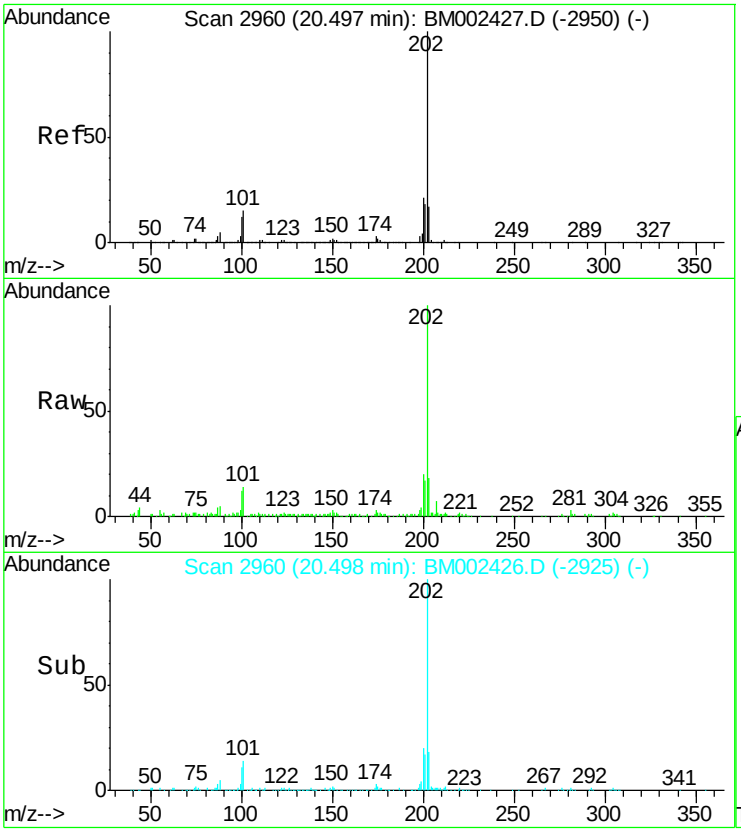



#16
Fluoranthene
Concen: 3.48 ng/ul
RT: 20.14 min Scan# 2899
Delta R.T. 0.01 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:202 Resp: 151731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 9.7 | 14.5 |
| 100 | 9.3 | 7.4 | 11.2 |






#19
Pyrene
Concen: 5.07 ng/ul
RT: 20.50 min Scan# 2960
Delta R.T. 0.01 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:202 Resp: 133602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.0 | 12.0 | 18.0 |
| 100 | 11.6 | 9.7 | 14.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
D9DA8

**Manual Integrations APPROVED**
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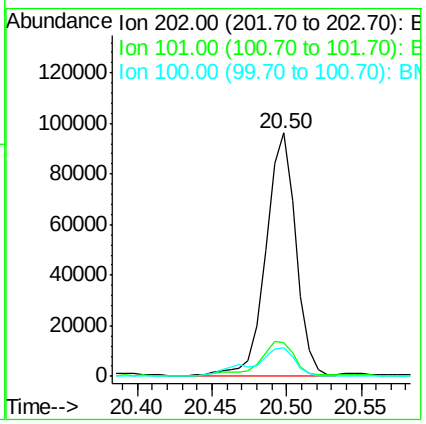
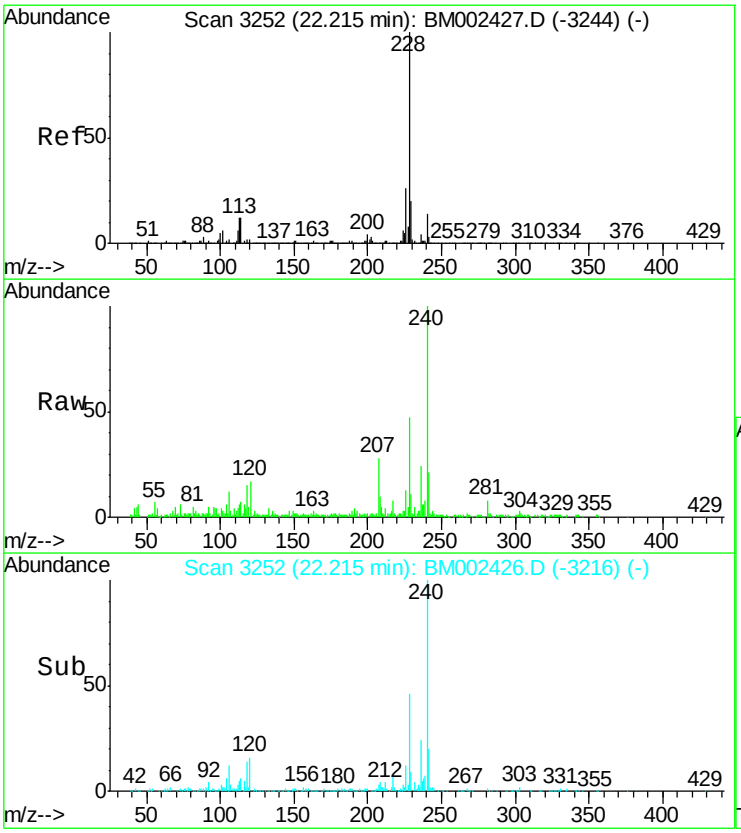
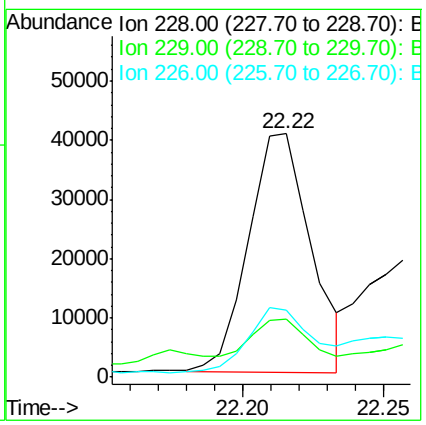


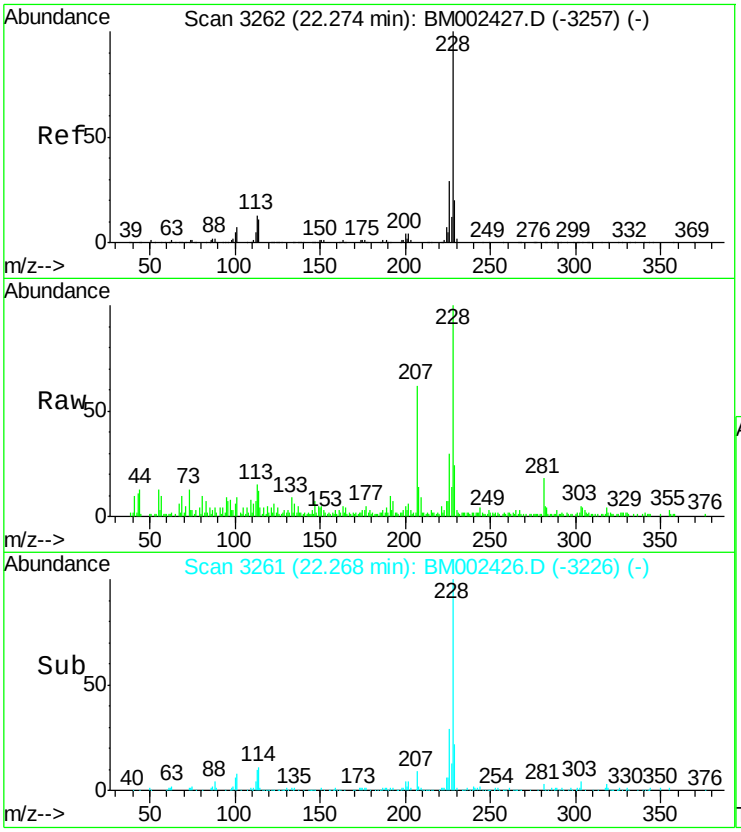




#20
Benzo(a)anthracene
Concen: 2.30 ng/ul
RT: 22.22 min Scan# 3252
Delta R.T. 0.01 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:228 Resp: 61726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.8 | 15.8 | 23.6# |
| 226 | 27.7 | 21.1 | 31.7 |






#21
Chrysene
Concen: 3.11 ng/ul
RT: 22.27 min Scan# 3261
Delta R.T. 0.01 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:228 Resp: 78099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.4 | 35.2 |
| 229 | 24.5 | 15.7 | 23.5# |

**Instrument :**
BNA_M
**ClientSampleId :**
D9DA8

**Manual Integrations APPROVED**
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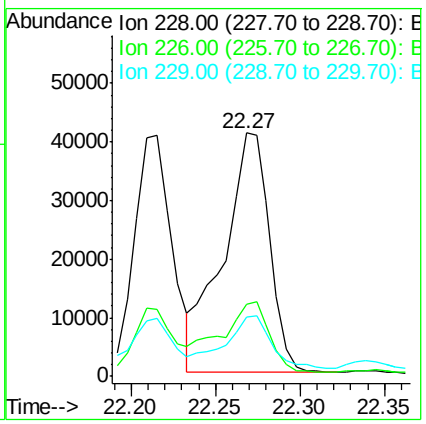
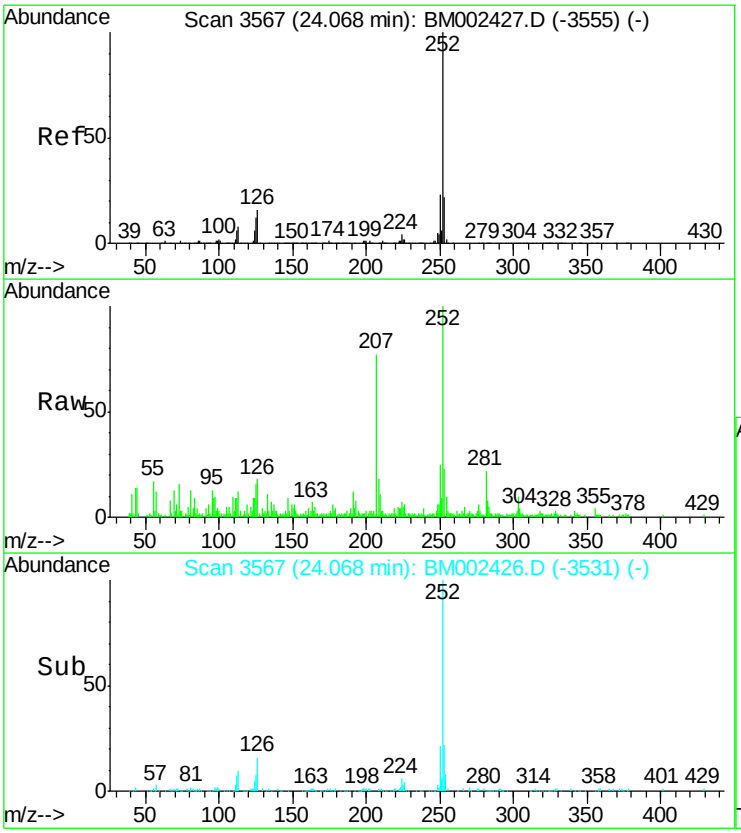
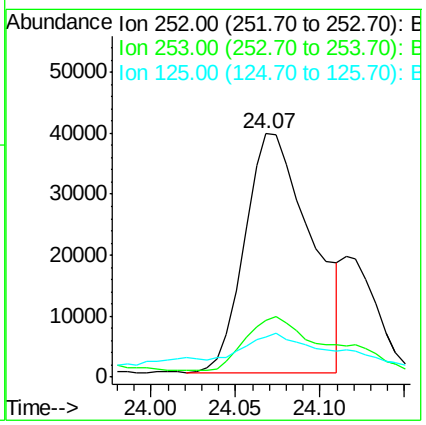


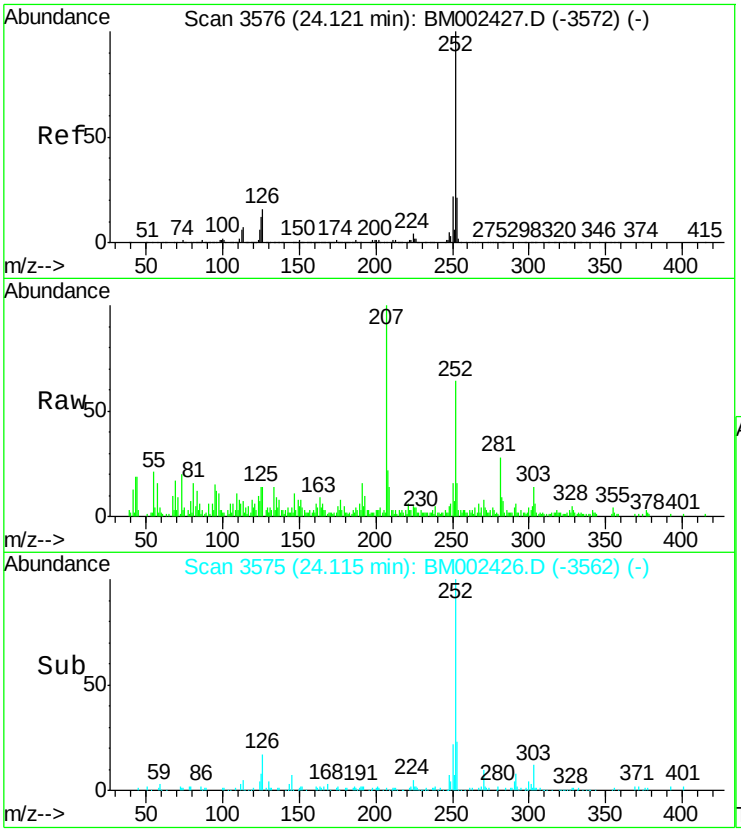




#23
Benzo(b)fluoranthene
Concen: 4.49 ng/ul
RT: 24.07 min Scan# 3567
Delta R.T. 0.01 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:252 Resp: 106696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.4 | 26.0 |
| 125 | 16.2 | 10.0 | 15.0# |






#24
Benzo(k)fluoranthene
Concen: 1.23 ng/ul m
RT: 24.12 min Scan# 3575
Delta R.T. 0.01 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:252 Resp: 27753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.7 | 17.8 | 26.6 |
| 125 | 22.6 | 9.8 | 14.8# |

**Instrument :**
BNA_M
**ClientSampleId :**
D9DA8

**Manual Integrations APPROVED**
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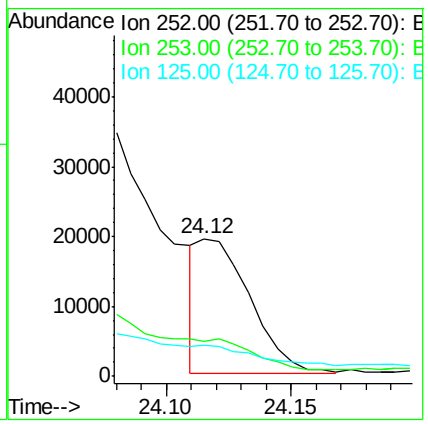
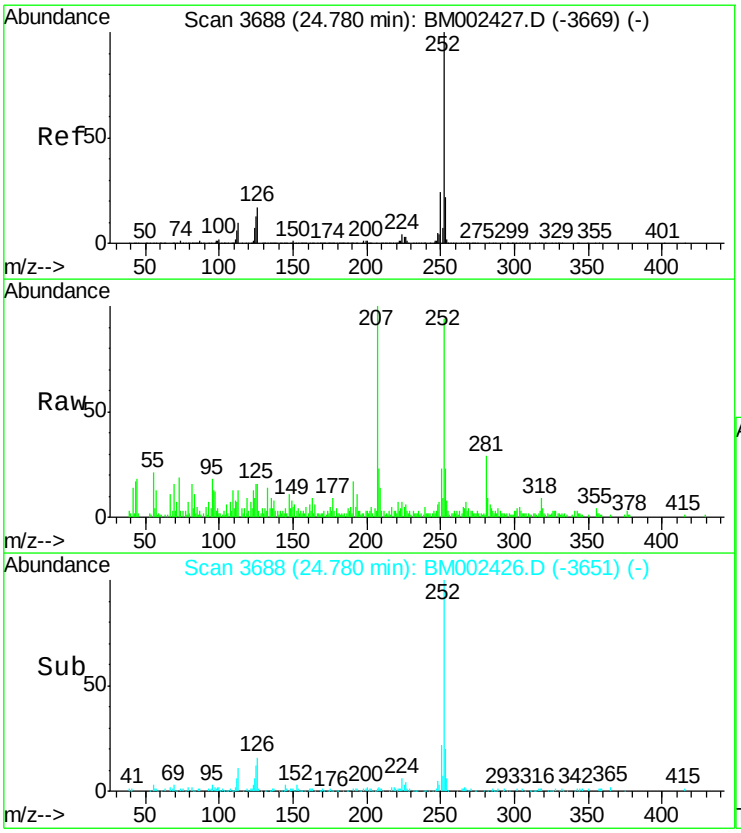
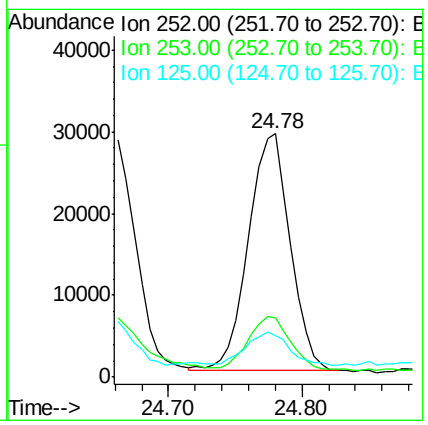


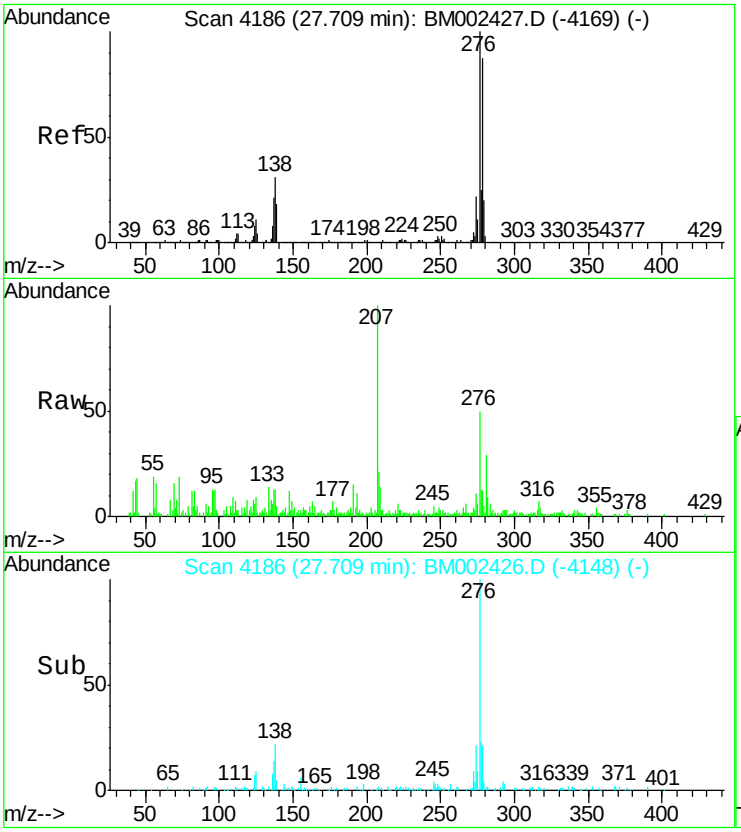




#26
Benzo(a)pyrene
Concen: 2.78 ng/ul
RT: 24.78 min Scan# 3688
Delta R.T. 0.02 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:252 Resp: 62998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.6 | 26.4 |
| 125 | 17.2 | 10.7 | 16.1# |

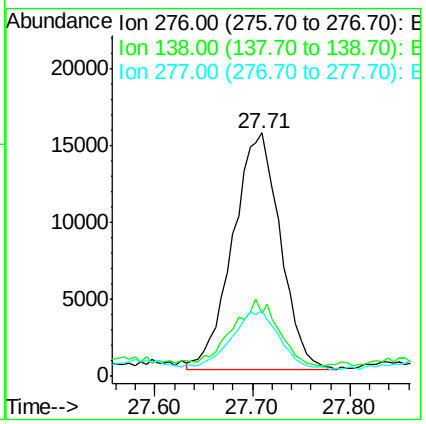





#27
Indeno(1,2,3-cd)pyrene
Concen: 1.99 ng/ul
RT: 27.71 min Scan# 4186
Delta R.T. 0.02 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:276 Resp: 51919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.1 | 25.3 | 37.9 |
| 277 | 27.0 | 20.2 | 30.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
D9DA8

**Manual Integrations APPROVED**
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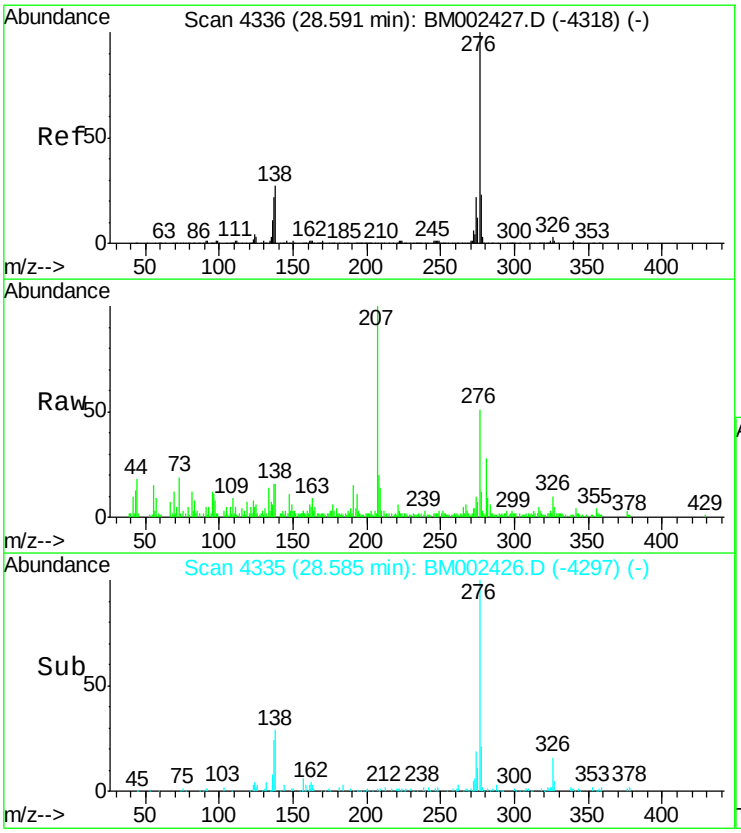
8/17/2015 2:45:59 PM




#29
Benzo(g,h,i)perylene
Concen: 2.71 ng/ul
RT: 28.59 min Scan# 4335
Delta R.T. 0.02 min
Lab File: BM002426.D
Acq: 15 Aug 2015 15:58

Tgt Ion:276 Resp: 58980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.6 | 21.0 | 31.6# |
| 277 | 24.2 | 19.2 | 28.8 |