Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN031218\
Data File : BN000312.D
Acq On : 12 Mar 2018 16:03
Operator : JU/SJ
Sample : J1843-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DAM90

**Manual Integrations APPROVED**
Sohil
3/13/2018 5:32:51 PM

Quant Time: Mar 12 16:36:57 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 12 15:04:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.45 | 152 | 239390 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.29 | 136 | 1189014 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.06 | 164 | 677323 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.78 | 188 | 1458061 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.89 | 240 | 1577135 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.37 | 264 | 1601843 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 14.76 | 160 | 1846781 | 27.47 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.04 | 176 | 1240514 | 27.25 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 17.88 | 188 | 1851480 | 27.18 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 20.13 | 212 | 2099625 | 27.21 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.22 | 264 | 2048383 | 28.00 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 13) Phenanthrene | 17.82 | 178 | 124900 | 1.494 | ng/ul | 98 |
| 16) Fluoranthene | 19.80 | 202 | 284234 | 3.146 | ng/ul# | 94 |
| 19) Pyrene | 20.16 | 202 | 234550 | 2.356 | ng/ul# | 90 |
| 20) Benzo(a)anthracene | 21.87 | 228 | 154088 | 1.572 | ng/ul | 98 |
| 21) Chrysene | 21.93 | 228 | 155704 | 1.673 | ng/ul | 98 |
| 23) Benzo(b)fluoranthene | 23.62 | 252 | 210125m | 2.200 | ng/ul | |
| 26) Benzo(a)pyrene | 24.26 | 252 | 124997 | 1.375 | ng/ul# | 92 |

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

Quantitation Report (QT Reviewed)

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Acq On : 12 Mar 2018 16:03
Operator : JU/SJ
Sample : J1843-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

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Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
DAM90

**Manual Integrations APPROVED**
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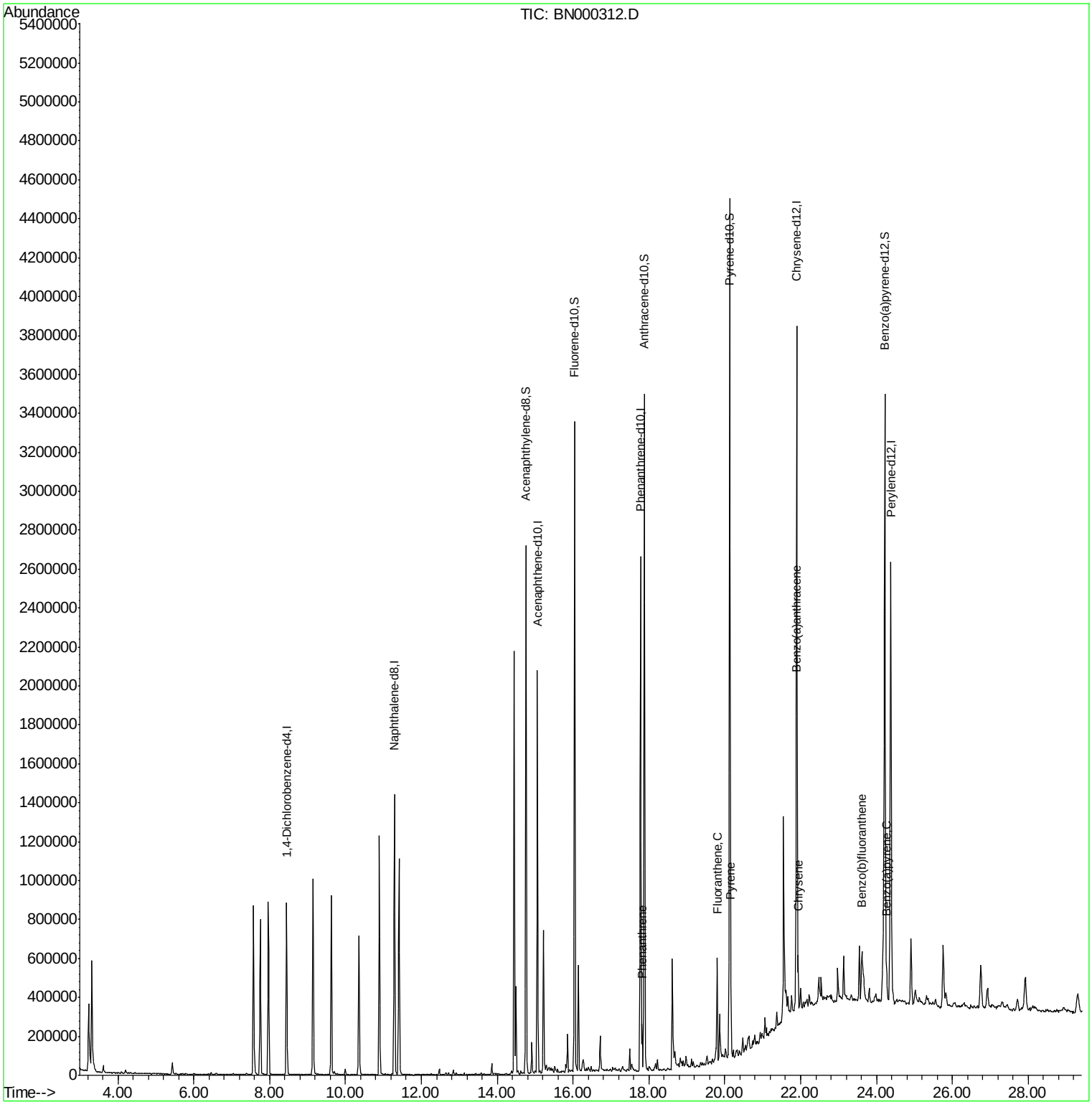
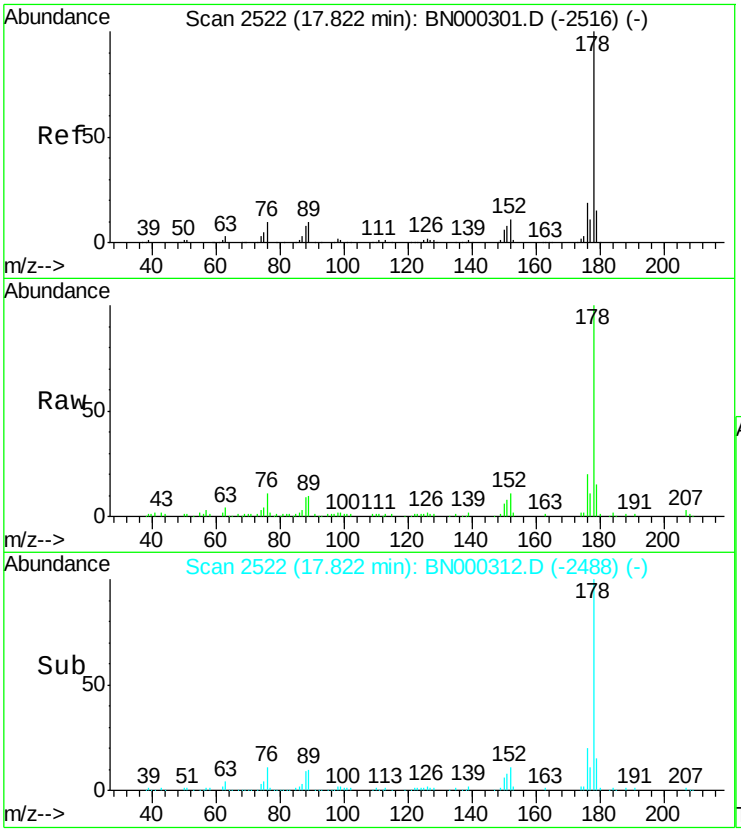
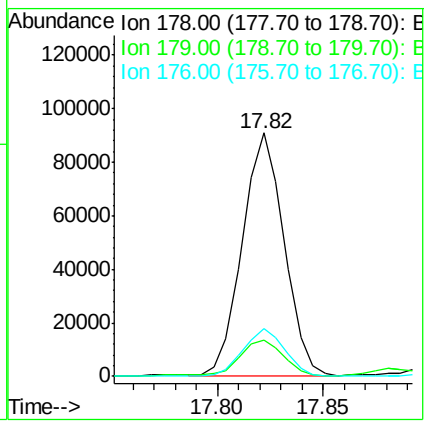





#13
Phenanthrene
Concen: 1.494 ng/ul
RT: 17.82 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BN000312.D
Acq: 12 Mar 2018 16:03

Tgt Ion:178 Resp: 124900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 12.3 | 18.5 |
| 176 | 19.8 | 15.1 | 22.7 |




**Instrument :**
BNA_N
**ClientSampleId :**
DAM90

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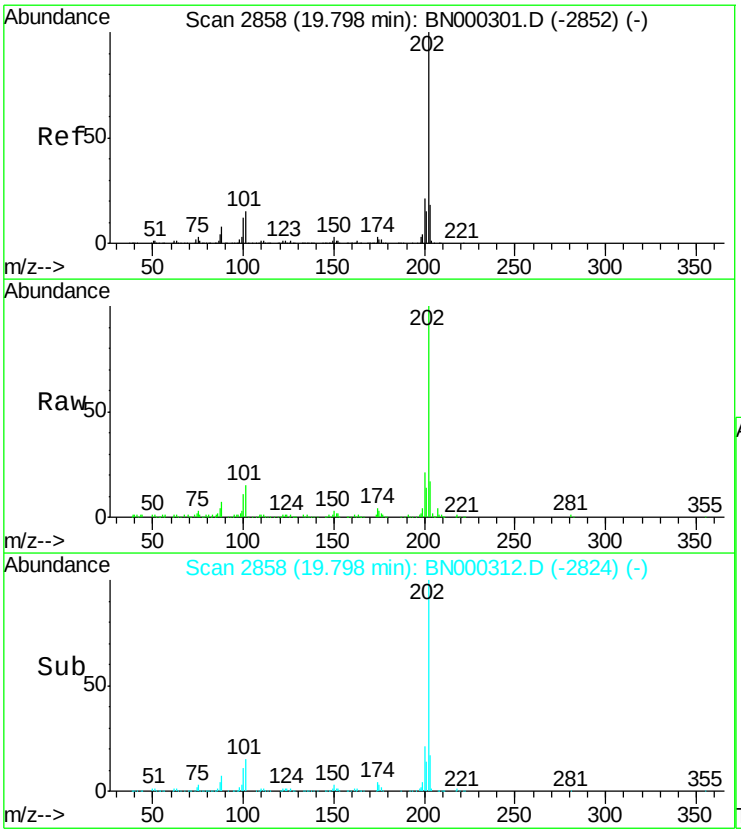
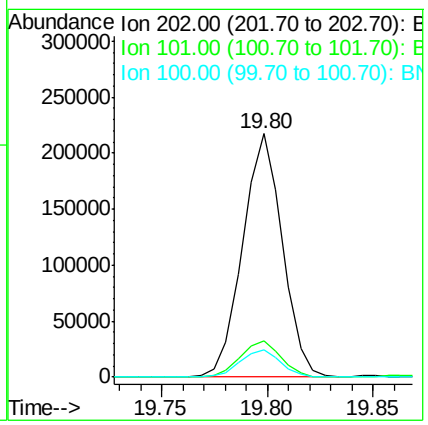
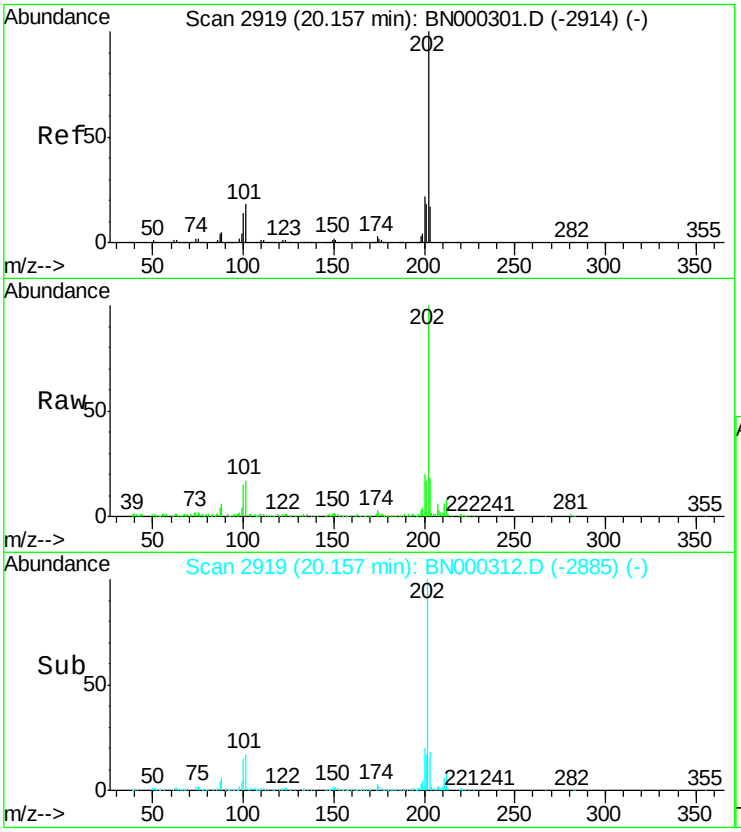



#16
Fluoranthene
Concen: 3.146 ng/ul
RT: 19.80 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BN000312.D
Acq: 12 Mar 2018 16:03

Tgt Ion:202 Resp: 284234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.0 | 9.9 | 14.9# |
| 100 | 11.1 | 7.4 | 11.0# |






#19
Pyrene
Concen: 2.356 ng/ul
RT: 20.16 min Scan# 2919
Delta R.T. -0.00 min
Lab File: BN000312.D
Acq: 12 Mar 2018 16:03

Tgt Ion:202 Resp: 234550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.8 | 11.0 | 16.4# |
| 100 | 15.1 | 8.1 | 12.1# |

**Instrument :**
BNA_N
**ClientSampleId :**
DAM90

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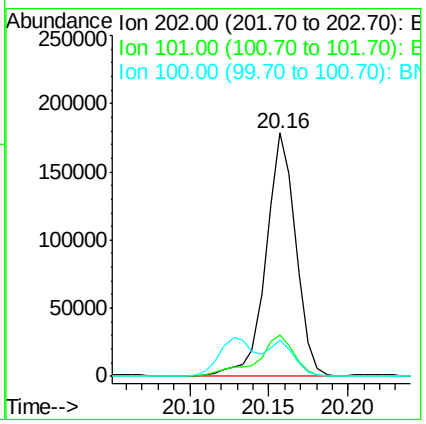
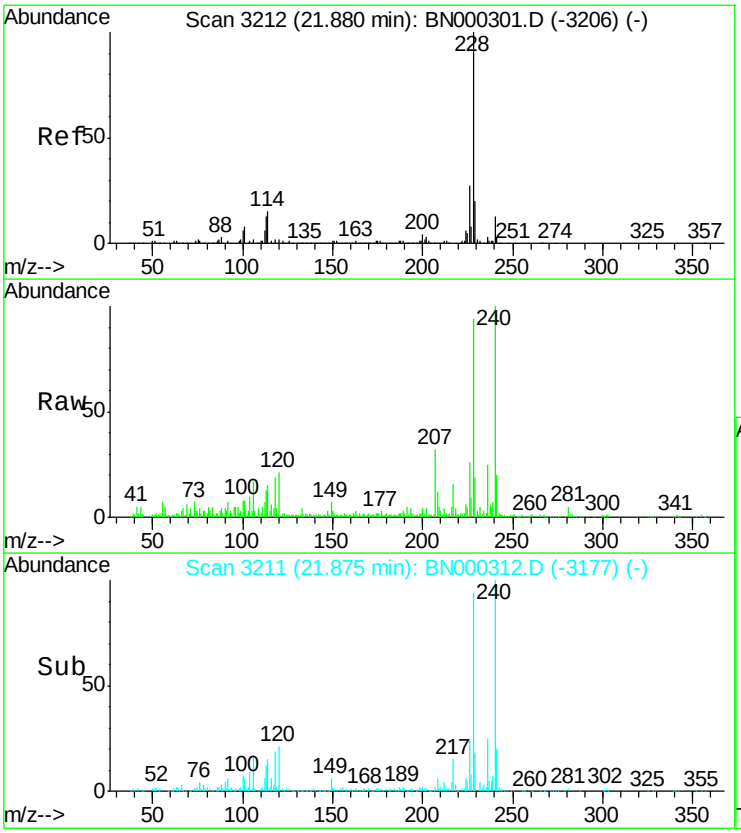
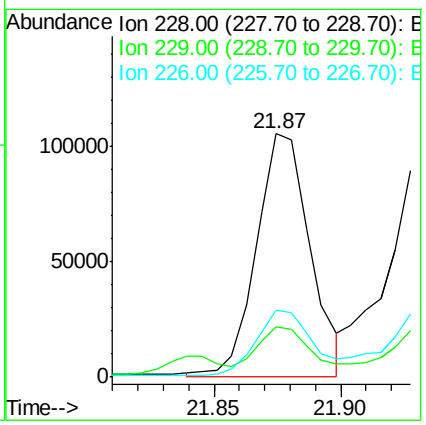


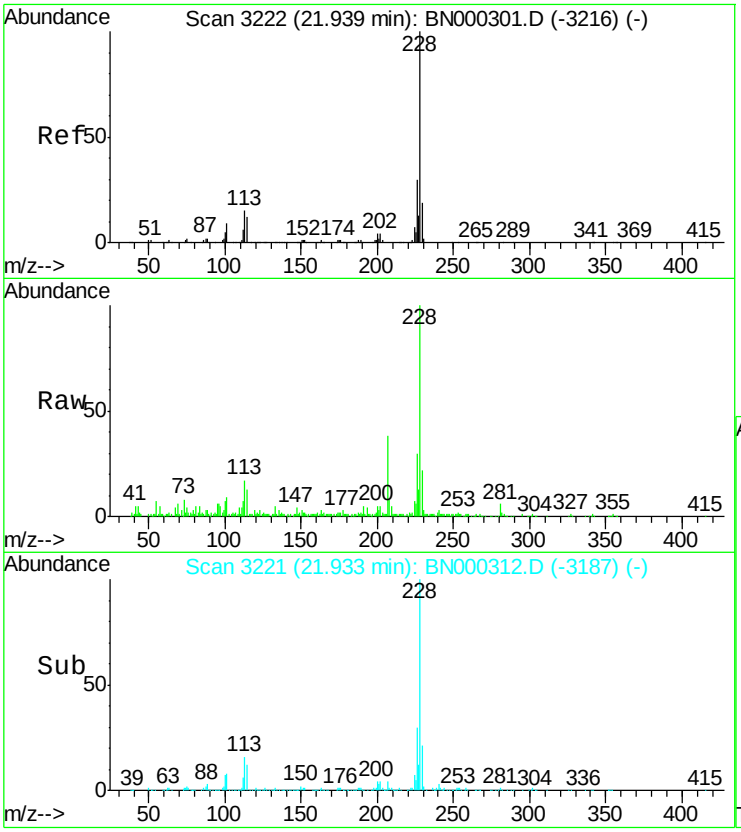




#20
Benzo(a)anthracene
Concen: 1.572 ng/ul
RT: 21.87 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BN000312.D
Acq: 12 Mar 2018 16:03

Tgt Ion:228 Resp: 154088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 15.7 | 23.5 |
| 226 | 27.7 | 21.1 | 31.7 |

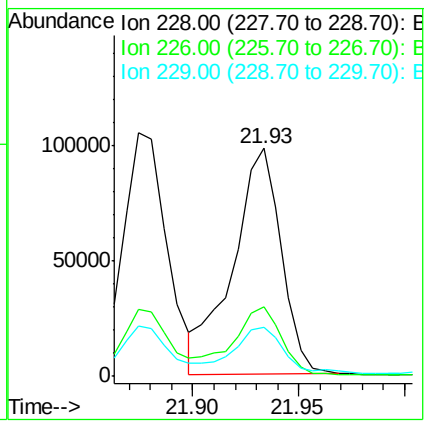





#21
Chrysene
Concen: 1.673 ng/ul
RT: 21.93 min Scan# 3221
Delta R.T. -0.00 min
Lab File: BN000312.D
Acq: 12 Mar 2018 16:03

Tgt Ion:228 Resp: 155704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.5 | 36.7 |
| 229 | 21.8 | 15.8 | 23.8 |




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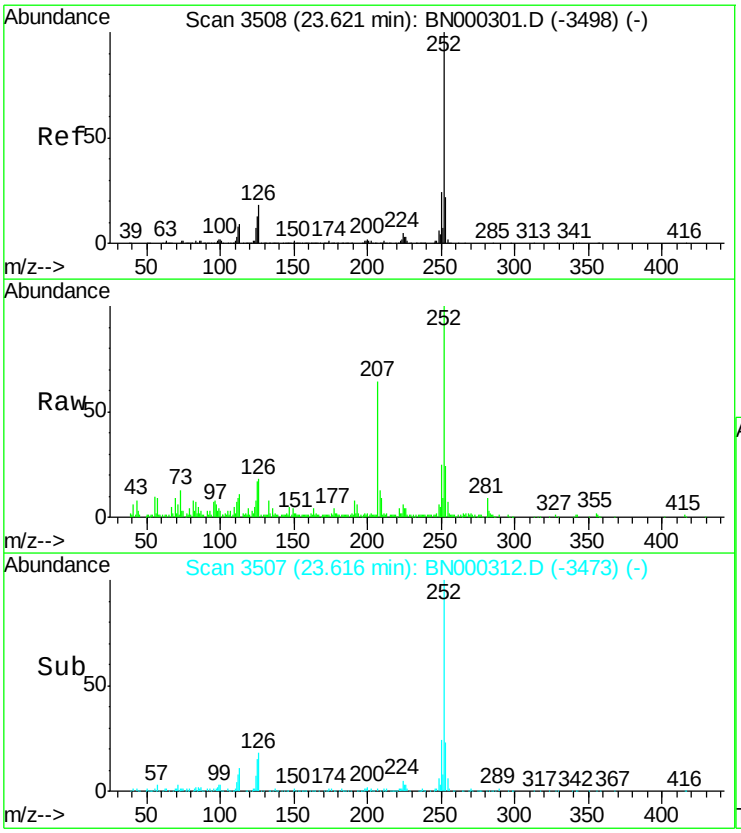
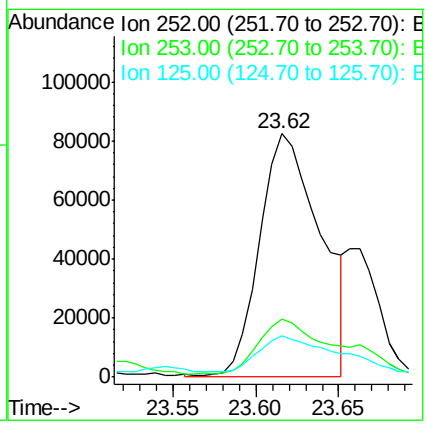
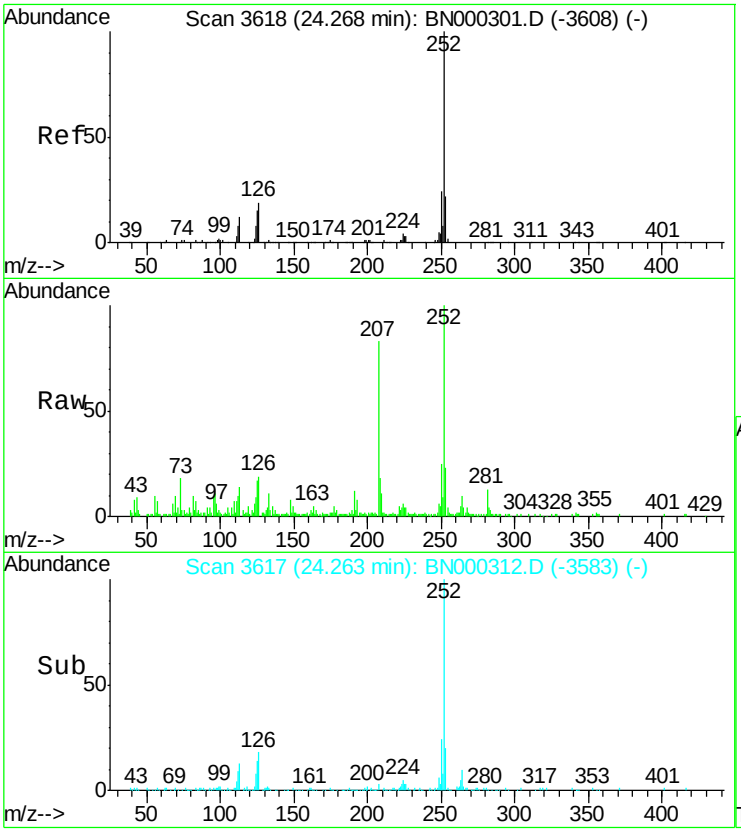



#23
Benzo(b)fluoranthene
Concen: 2.200 ng/ul m
RT: 23.62 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BN000312.D
Acq: 12 Mar 2018 16:03

Tgt Ion:252 Resp: 210125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.0 | 27.0 |
| 125 | 17.0 | 8.0 | 12.0# |

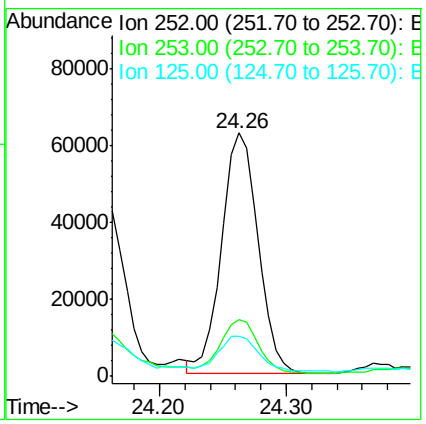





#26
Benzo(a)pyrene
Concen: 1.375 ng/ul
RT: 24.26 min Scan# 3617
Delta R.T. -0.00 min
Lab File: BN000312.D
Acq: 12 Mar 2018 16:03

Tgt Ion:252 Resp: 124997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.2 | 25.8 |
| 125 | 16.5 | 8.2 | 12.4# |




**Instrument :**
BNA_N
**ClientSampleId :**
DAM90

**Manual Integrations APPROVED**
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3/13/2018 5:32:51 PM