Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
Data File : BN007035.D
Acq On : 08 Aug 2019 20:52
Operator : HP/JU
Sample : K3962-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP29DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:17:41 AM

Quant Time: Aug 09 02:57:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.47 | 152 | 7965 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.23 | 136 | 31192 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.11 | 164 | 19245 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.86 | 188 | 49706 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.08 | 240 | 41958 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.20 | 264 | 39822 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.83 | 152 | 5319 | 0.10 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.90 | 212 | 17604 | 0.11 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 8) Acenaphthene | 14.17 | 153 | 2042 | 0.027 | ng/ul | 98 |
| 9) Fluorene | 15.17 | 166 | 2556 | 0.028 | ng/ul# | 96 |
| 12) Phenanthrene | 16.90 | 178 | 53345 | 0.337 | ng/ul | 100 |
| 13) Anthracene | 16.99 | 178 | 14544 | 0.090 | ng/ul | 98 |
| 15) Fluoranthene | 18.93 | 202 | 149949 | 0.762 | ng/ul | 99 |
| 17) Pyrene | 19.29 | 202 | 187669 | 1.002 | ng/ul | 100 |
| 18) Benzo(a)anthracene | 21.06 | 228 | 108855 | 0.591 | ng/ul | 98 |
| 19) Chrysene | 21.11 | 228 | 110912 | 0.643 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 22.58 | 252 | 90430m | 0.560 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.62 | 252 | 29893m | 0.191 | ng/ul | |
| 23) Benzo(a)pyrene | 23.11 | 252 | 71903 | 0.473 | ng/ul | 98 |
| 24) Indeno(1,2,3-cd)pyrene | 25.30 | 276 | 33251 | 0.203 | ng/ul# | 93 |
| 25) Dibenzo(a,h)anthracene | 25.31 | 278 | 10195 | 0.078 | ng/ul# | 82 |
| 26) Benzo(g,h,i)perylene | 25.93 | 276 | 33959 | 0.247 | ng/ul | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
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Acq On : 08 Aug 2019 20:52
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Misc :
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**Instrument :**
BNA_N
**ClientSampleId :**
BEP29DL

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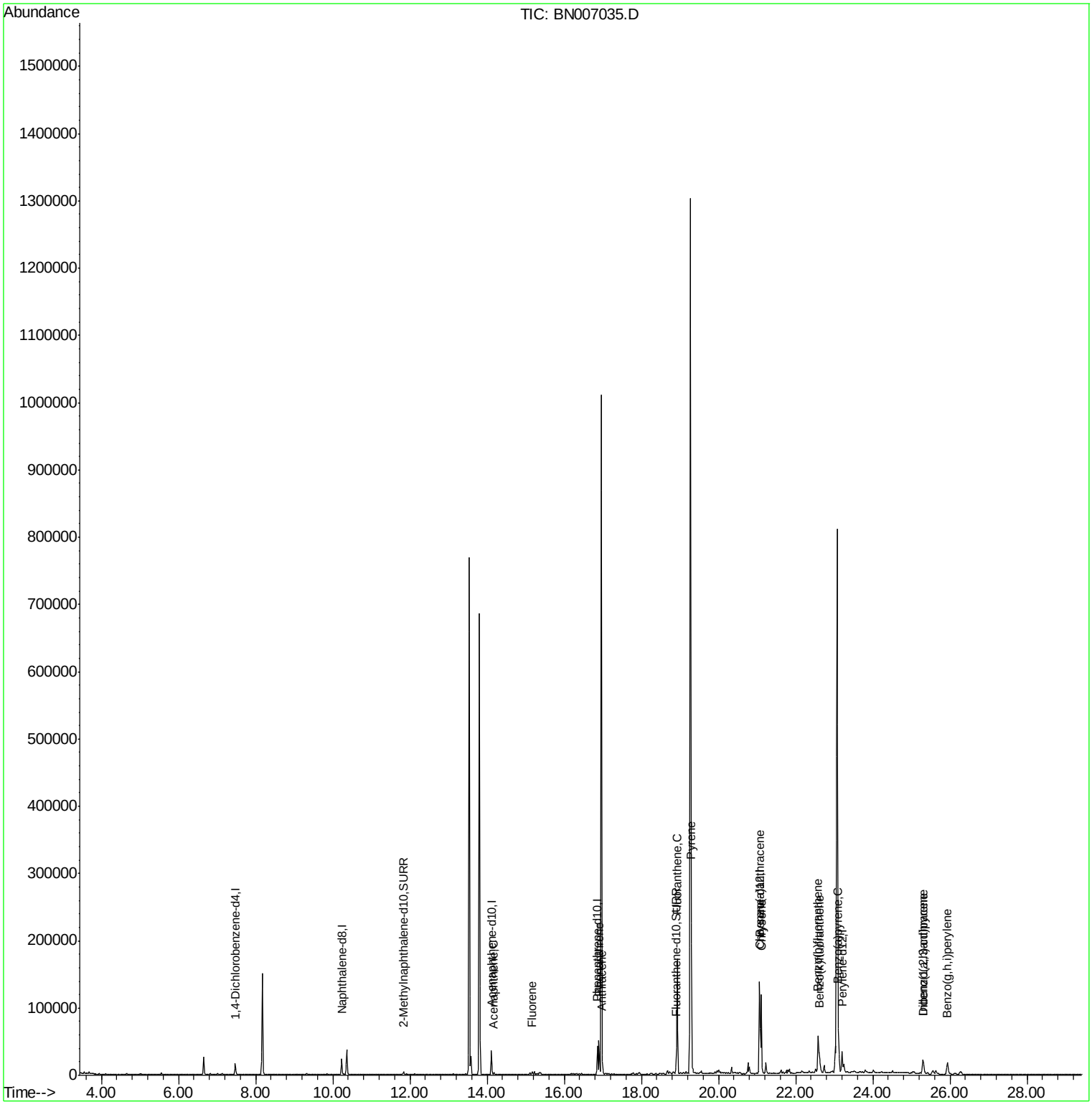
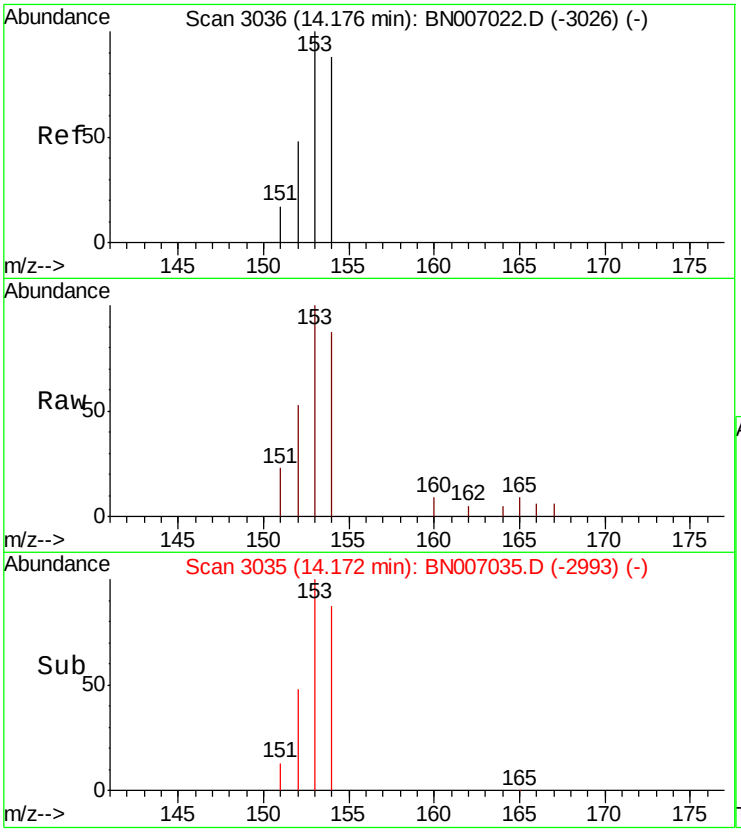
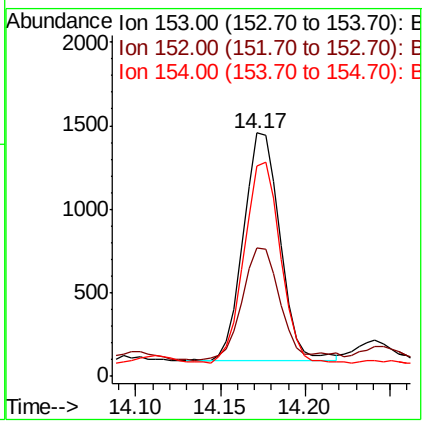





#8
Acenaphthene
Concen: 0.027 ng/ul
RT: 14.17 min Scan# 3035
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:153 Resp: 2042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 52.5 | 39.4 | 59.2 |
| 154 | 86.5 | 70.1 | 105.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
BEP29DL

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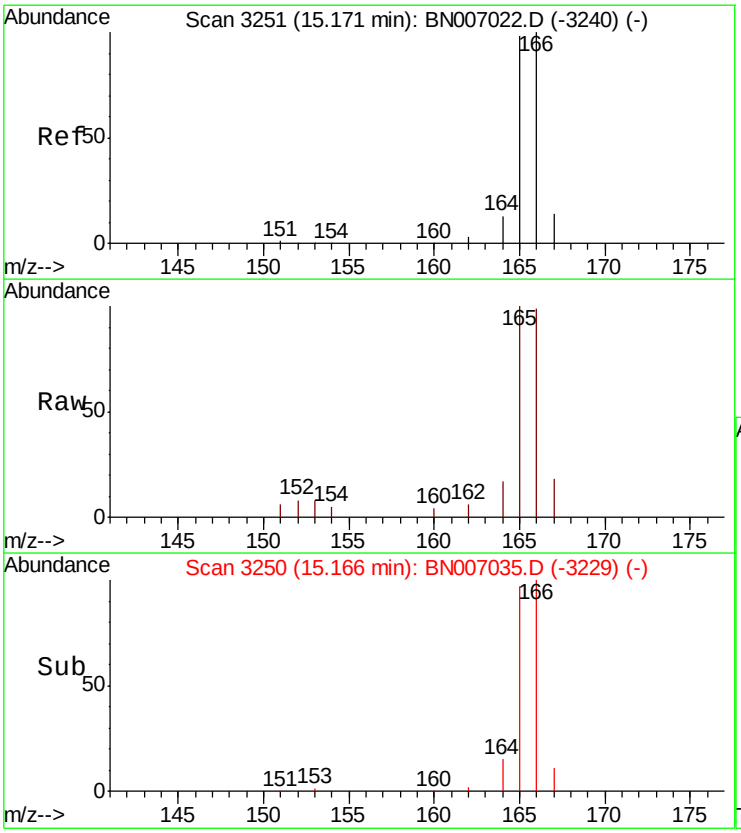
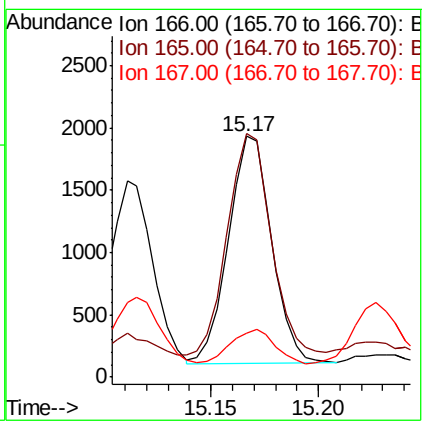
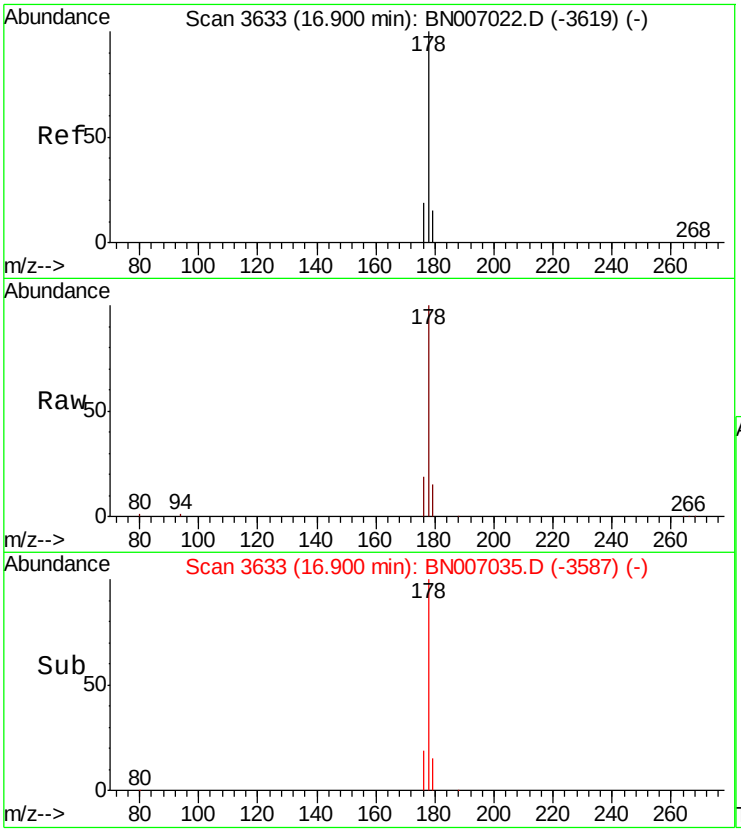



#9
Fluorene
Concen: 0.028 ng/ul
RT: 15.17 min Scan# 3250
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:166 Resp: 2556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.1 | 78.8 | 118.2 |
| 167 | 18.5 | 11.3 | 16.9# |

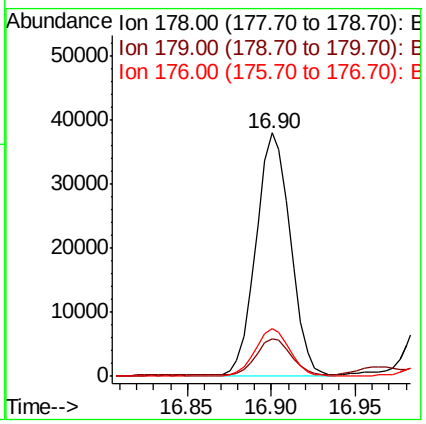





#12
Phenanthrene
Concen: 0.337 ng/ul
RT: 16.90 min Scan# 3633
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:178 Resp: 53345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.5 | 18.7 |
| 176 | 19.4 | 15.6 | 23.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
BEP29DL

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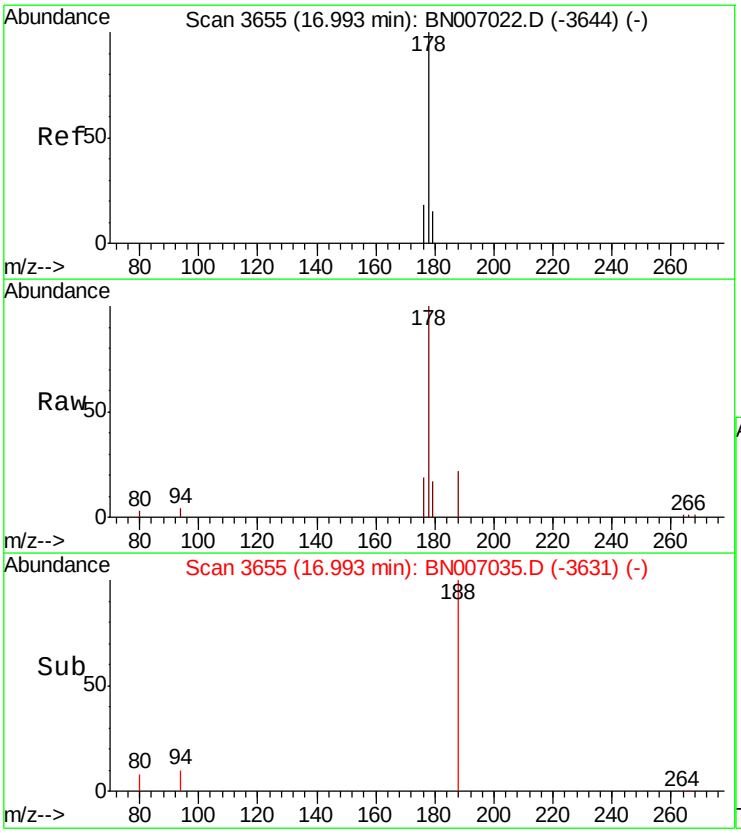
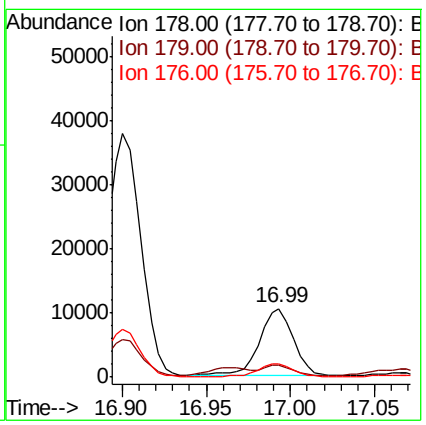
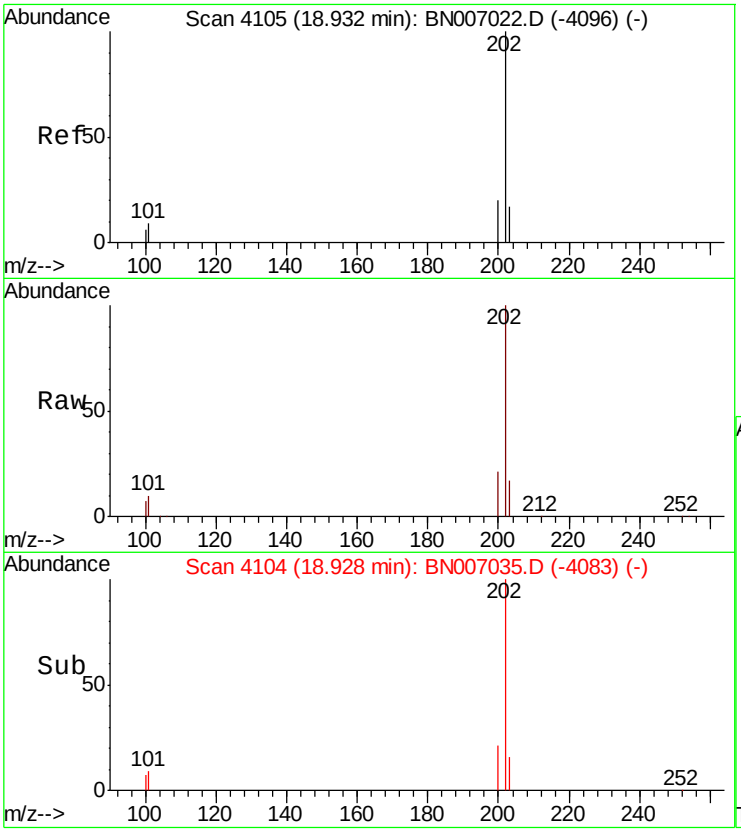



#13
Anthracene
Concen: 0.090 ng/ul
RT: 16.99 min Scan# 3655
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:178 Resp: 14544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.3 | 12.6 | 18.8 |
| 176 | 19.4 | 15.4 | 23.0 |






#15
Fluoranthene
Concen: 0.762 ng/ul
RT: 18.93 min Scan# 4104
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:202 Resp: 149949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 30.0 |
| 100 | 7.3 | 0.0 | 27.7 |

**Instrument :**
BNA_N
**ClientSampleId :**
BEP29DL

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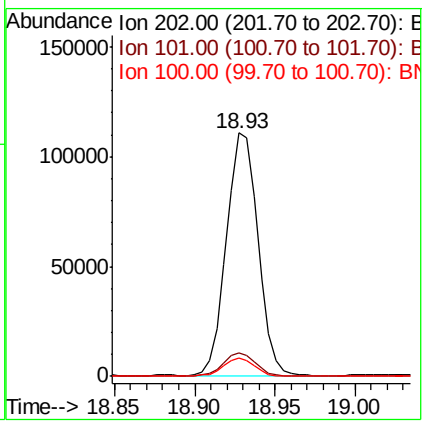
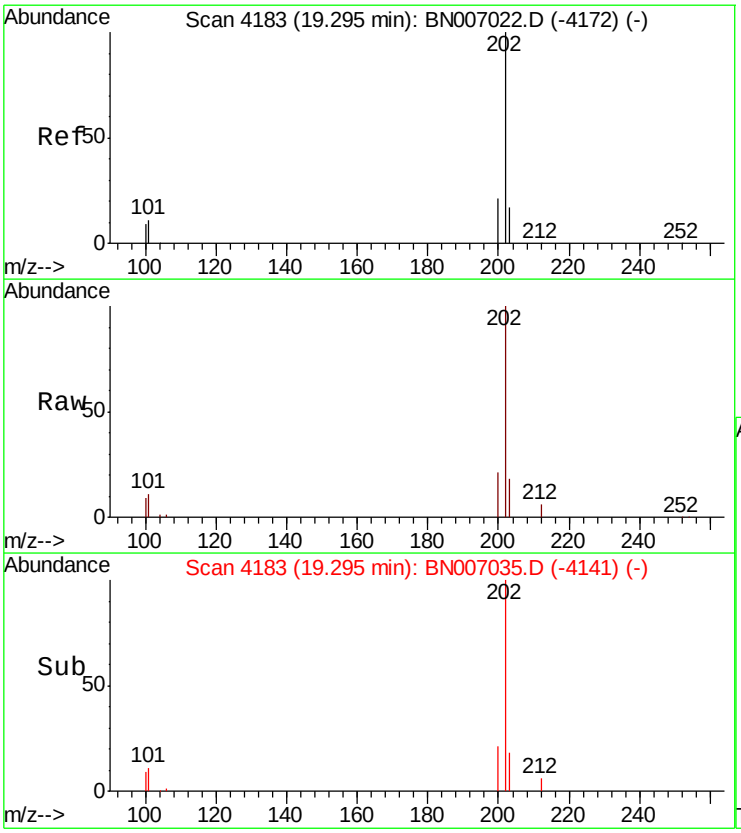
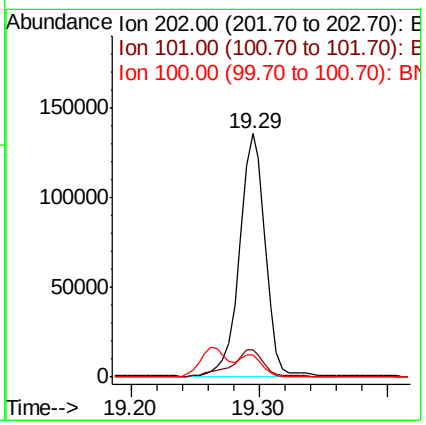


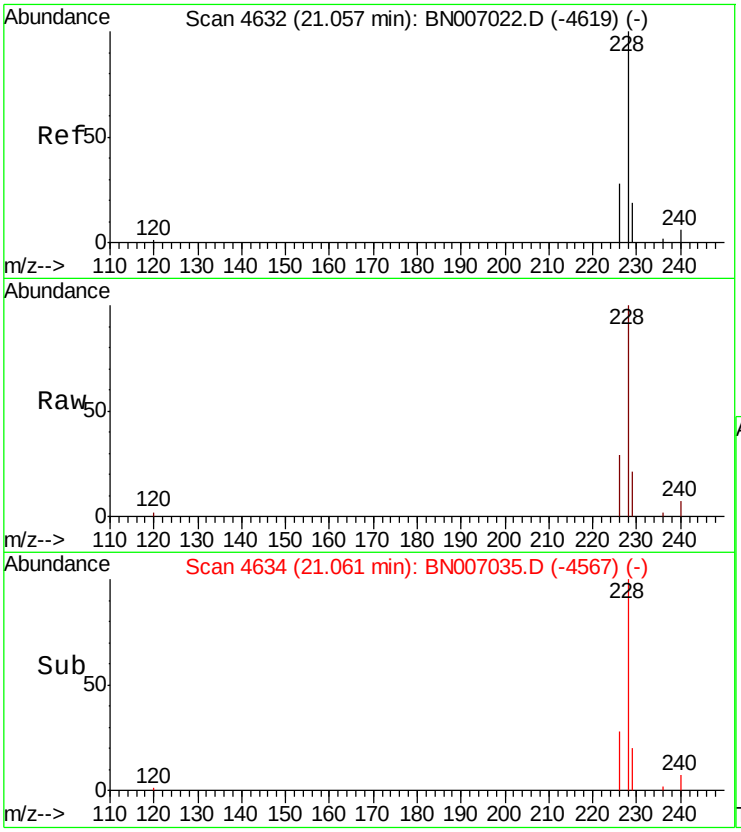




#17
Pyrene
Concen: 1.002 ng/ul
RT: 19.29 min Scan# 4183
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:202 Resp: 187669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 9.3 | 13.9 |
| 100 | 9.0 | 7.3 | 10.9 |

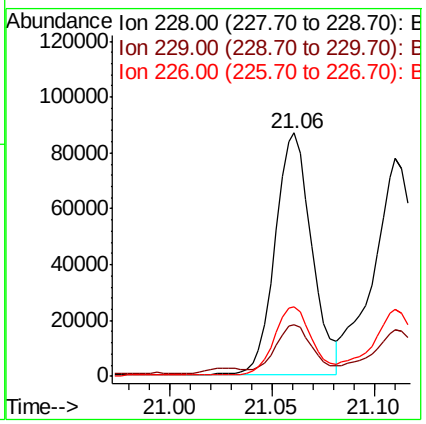





#18
Benzo(a)anthracene
Concen: 0.591 ng/ul
RT: 21.06 min Scan# 4634
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:228 Resp: 108855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 15.9 | 23.9 |
| 226 | 28.6 | 22.2 | 33.4 |




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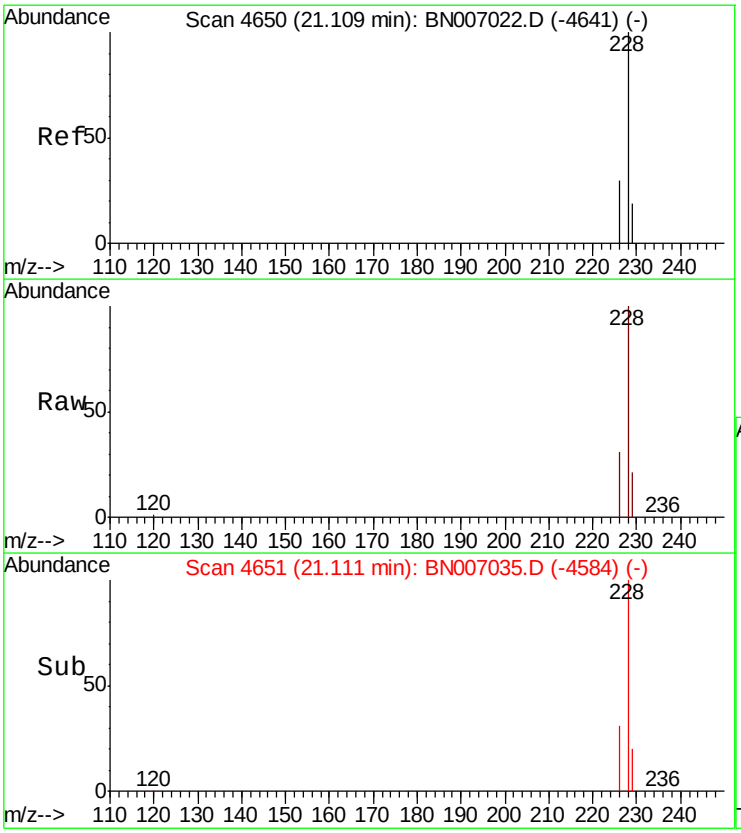
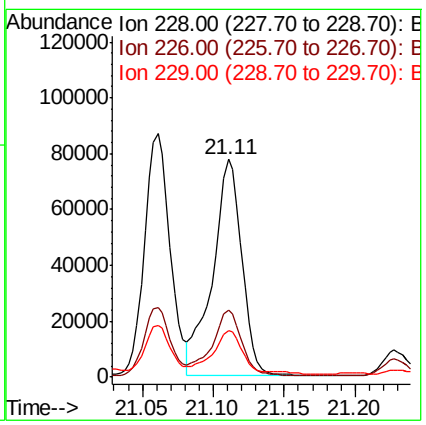
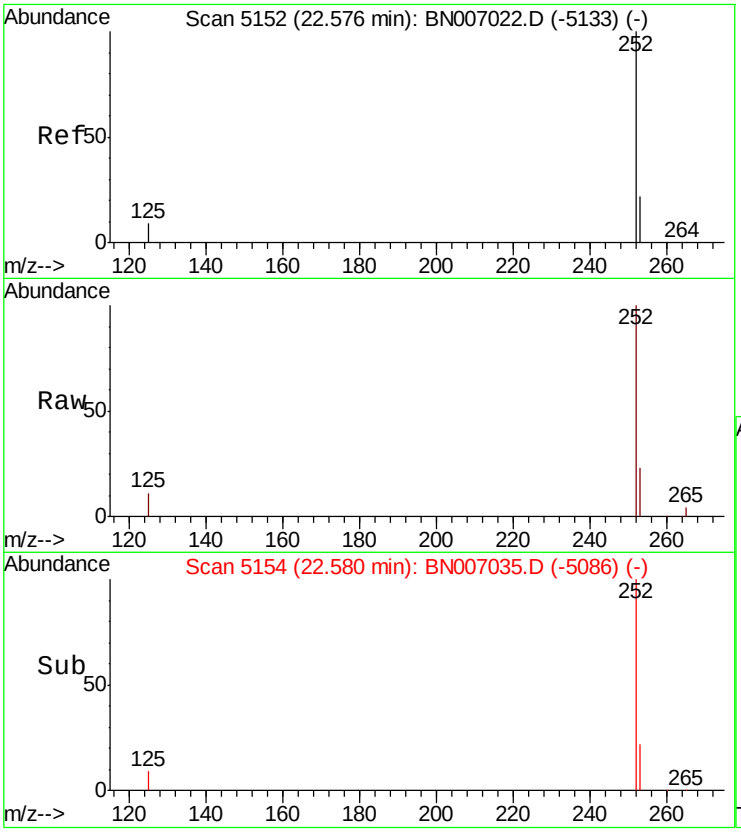



#19
Chrysene
Concen: 0.643 ng/ul
RT: 21.11 min Scan# 4651
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:228 Resp: 110912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 24.7 | 37.1 |
| 229 | 21.4 | 15.5 | 23.3 |

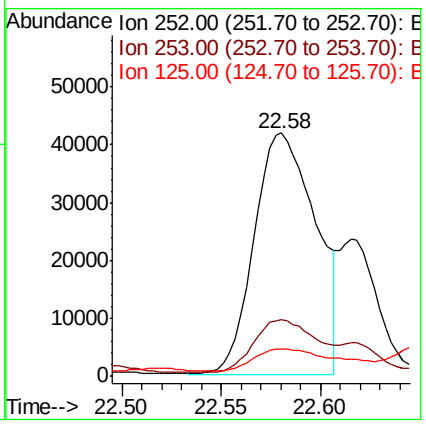





#21
Benzo(b)fluoranthene
Concen: 0.560 ng/ul m
RT: 22.58 min Scan# 5154
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:252 Resp: 90430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 0.0 | 45.2 |
| 125 | 11.2 | 0.0 | 22.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
BEP29DL

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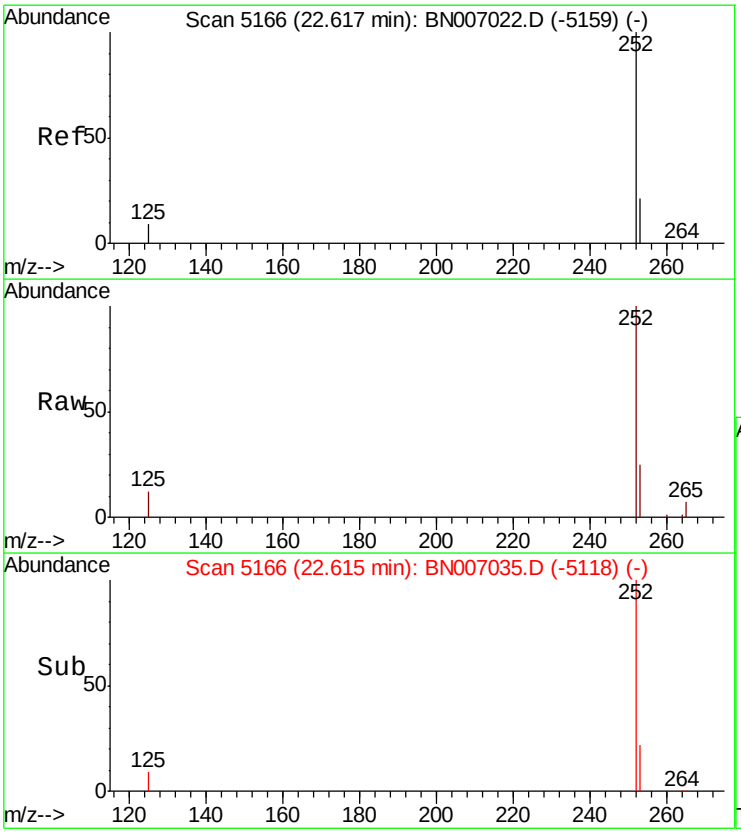
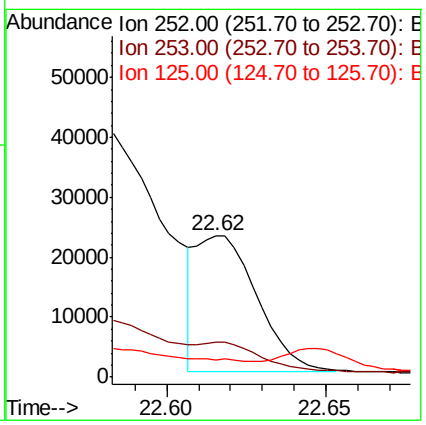
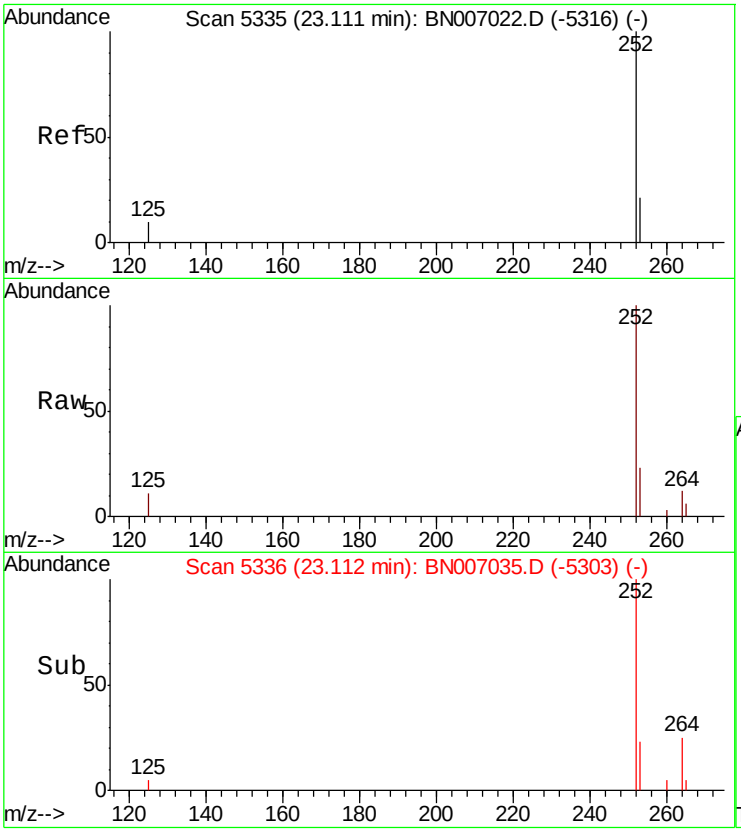



#22
Benzo(k)fluoranthene
Concen: 0.191 ng/ul m
RT: 22.62 min Scan# 5166
Delta R.T. -0.01 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:252 Resp: 29893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 18.6 | 28.0 |
| 125 | 12.4 | 8.7 | 13.1 |






#23
Benzo(a)pyrene
Concen: 0.473 ng/ul
RT: 23.11 min Scan# 5336
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:252 Resp: 71903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.0 | 27.0 |
| 125 | 11.2 | 10.0 | 15.0 |

**Instrument :**
BNA_N
**ClientSampleId :**
BEP29DL

**Manual Integrations APPROVED**
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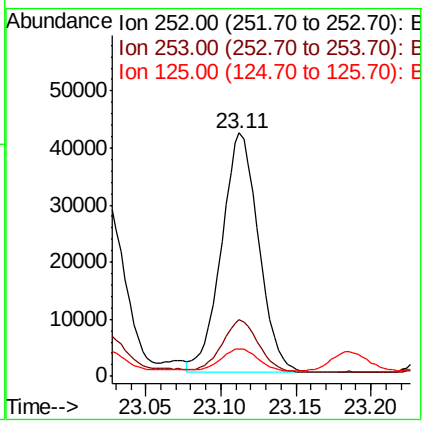
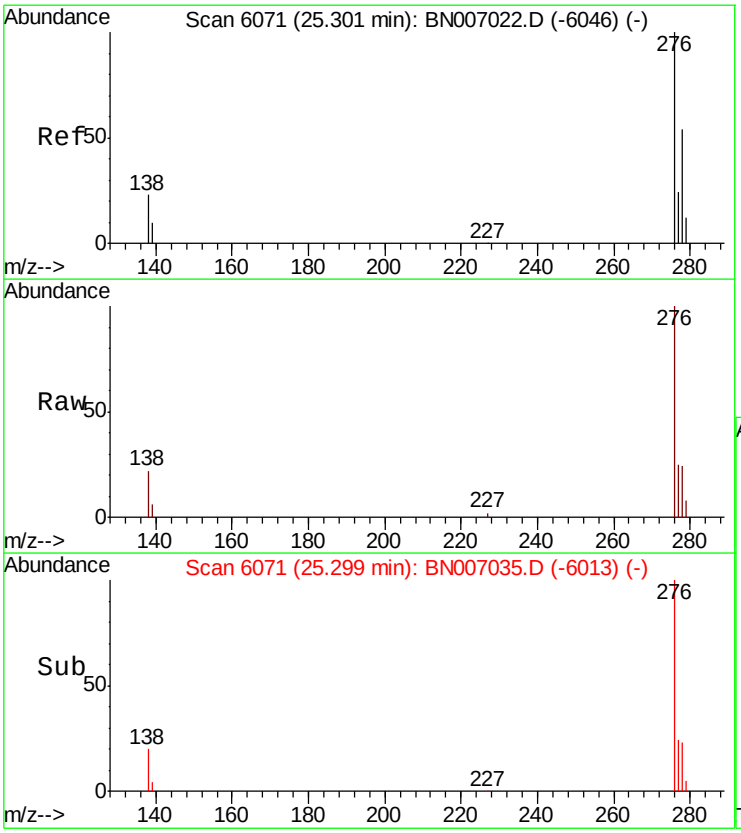
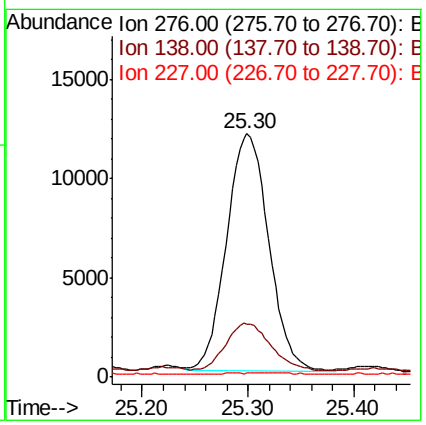


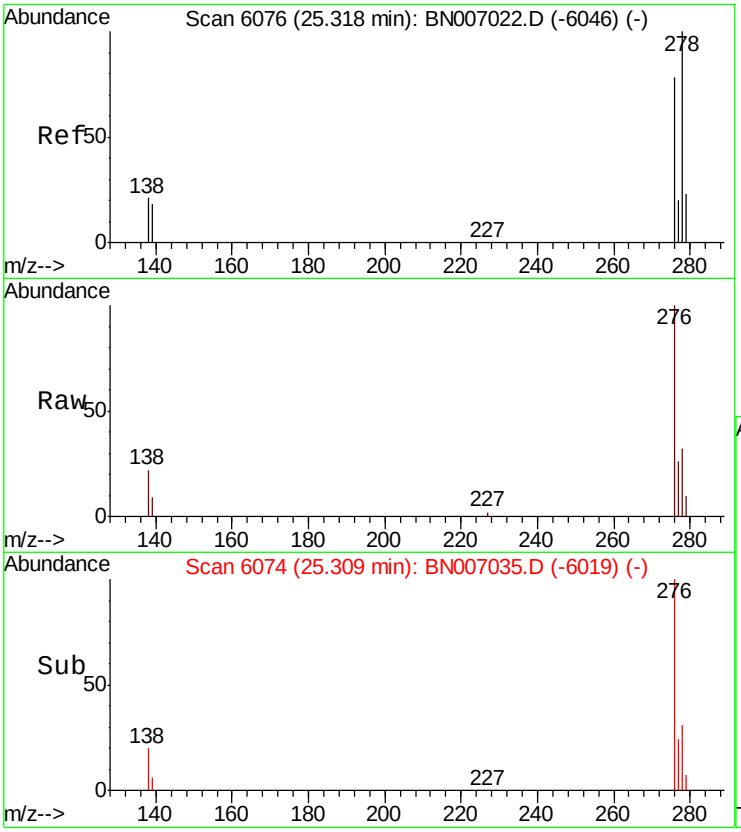




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.203 ng/ul
RT: 25.30 min Scan# 6071
Delta R.T. -0.01 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:276 Resp: 33251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.5 | 19.9 | 29.9 |
| 227 | 0.1 | 0.2 | 0.4# |






#25
Dibenzo(a,h)anthracene
Concen: 0.078 ng/ul
RT: 25.31 min Scan# 6074
Delta R.T. -0.02 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:278 Resp: 10195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 28.6 | 14.3 | 21.5# |
| 279 | 30.9 | 19.6 | 29.4# |

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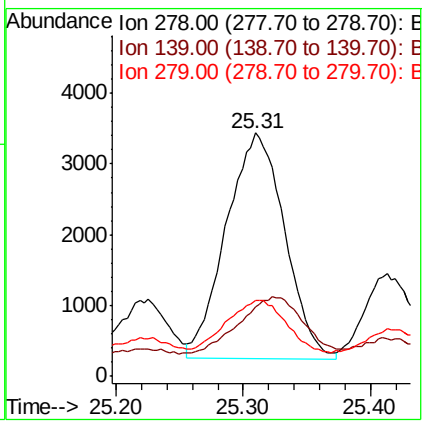


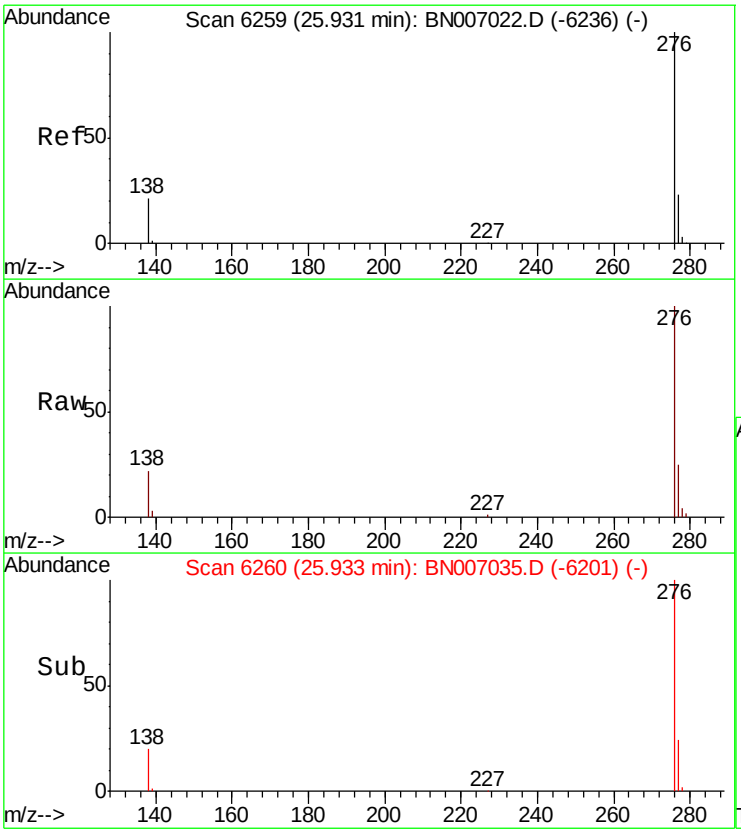


#26
Benzo(g,h,i)perylene
Concen: 0.247 ng/ul
RT: 25.93 min Scan# 6260
Delta R.T. -0.00 min
Lab File: BN007035.D
Acq: 08 Aug 2019 20:52

Tgt Ion:276 Resp: 33959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.1 | 18.7 | 28.1 |
| 277 | 25.4 | 19.3 | 28.9 |