Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011715.D
Acq On : 05 Sep 2020 00:11
Operator : CG/JU
Sample : L3840-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 05 02:08:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:53:42 2020
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** C0AA7

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.74 | 152 | 2789 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.52 | 136 | 10746 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.38 | 164 | 6152 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.13 | 188 | 13223m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.31 | 240 | 12124 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.56 | 264 | 12368 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.12 | 152 | 3352 | 0.22 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.15 | 212 | 7452 | 0.20 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.57 | 128 | 1916 | 0.061 | ng/ul# | 93 |
| 7) Acenaphthylene | 14.10 | 152 | 4562 | 0.147 | ng/ul | 98 |
| 12) Phenanthrene | 17.16 | 178 | 2632 | 0.059 | ng/ul | 98 |
| 13) Anthracene | 17.26 | 178 | 5294 | 0.144 | ng/ul | 100 |
| 15) Fluoranthene | 19.19 | 202 | 13984 | 0.272 | ng/ul | 98 |
| 17) Pyrene | 19.55 | 202 | 19891m | 0.420 | ng/ul | |
| 18) Benzo(a)anthracene | 21.30 | 228 | 14990 | 0.369 | ng/ul | 97 |
| 19) Chrysene | 21.35 | 228 | 33179 | 0.605 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.89 | 252 | 44163m | 0.822 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.93 | 252 | 18778m | 0.316 | ng/ul | |
| 23) Benzo(a)pyrene | 23.47 | 252 | 28236 | 0.625 | ng/ul | 93 |
| 24) Indeno(1,2,3-cd)pyrene | 25.82 | 276 | 20292 | 0.332 | ng/ul# | 99 |
| 25) Dibenzo(a,h)anthracene | 25.83 | 278 | 6181 | 0.124 | ng/ul# | 90 |
| 26) Benzo(g,h,i)perylene | 26.51 | 276 | 17514 | 0.306 | ng/ul | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011715.D
Acq On : 05 Sep 2020 00:11
Operator : CG/JU
Sample : L3840-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 05 02:08:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:53:42 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

**Manual Integrations APPROVED**
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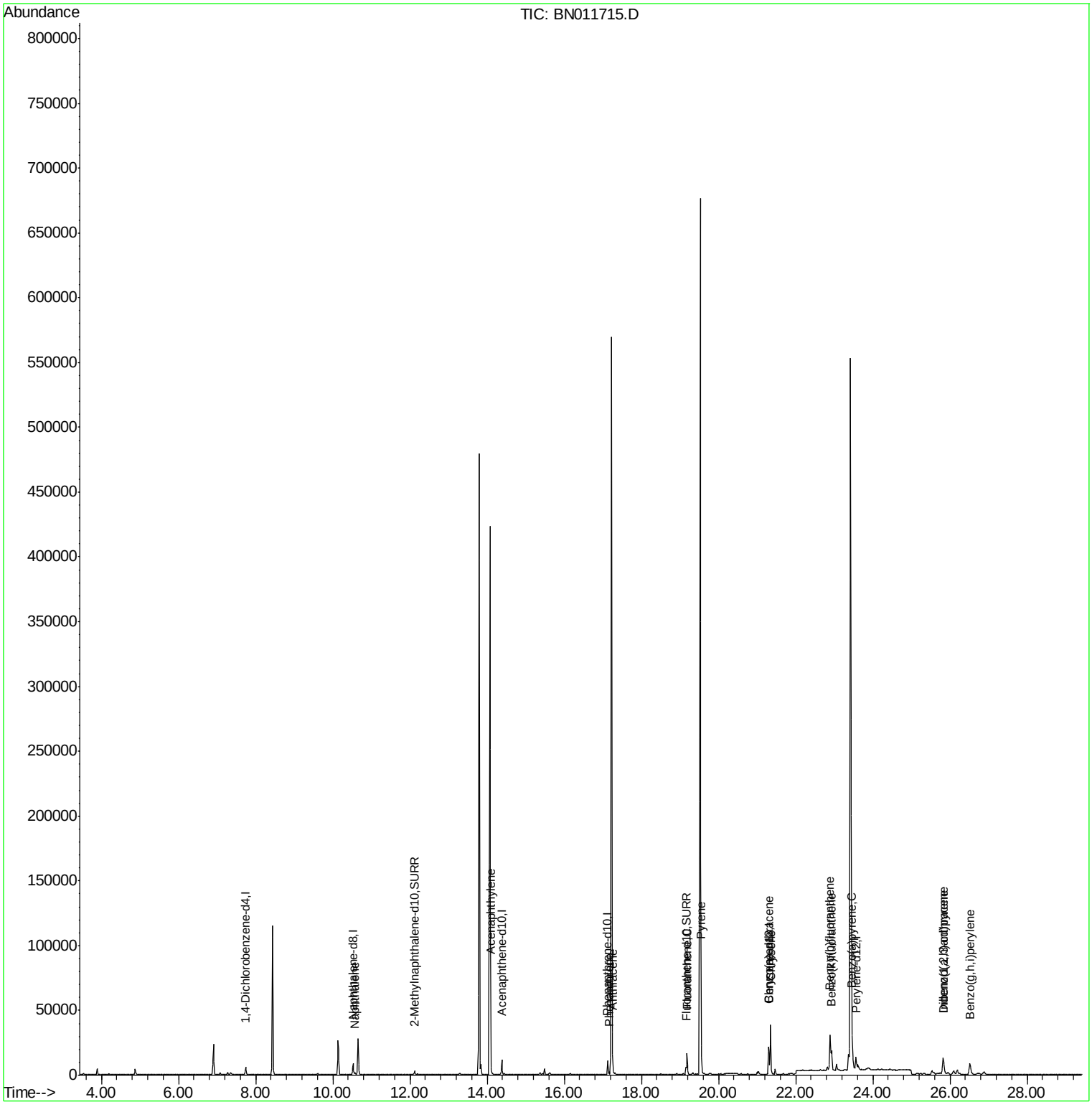

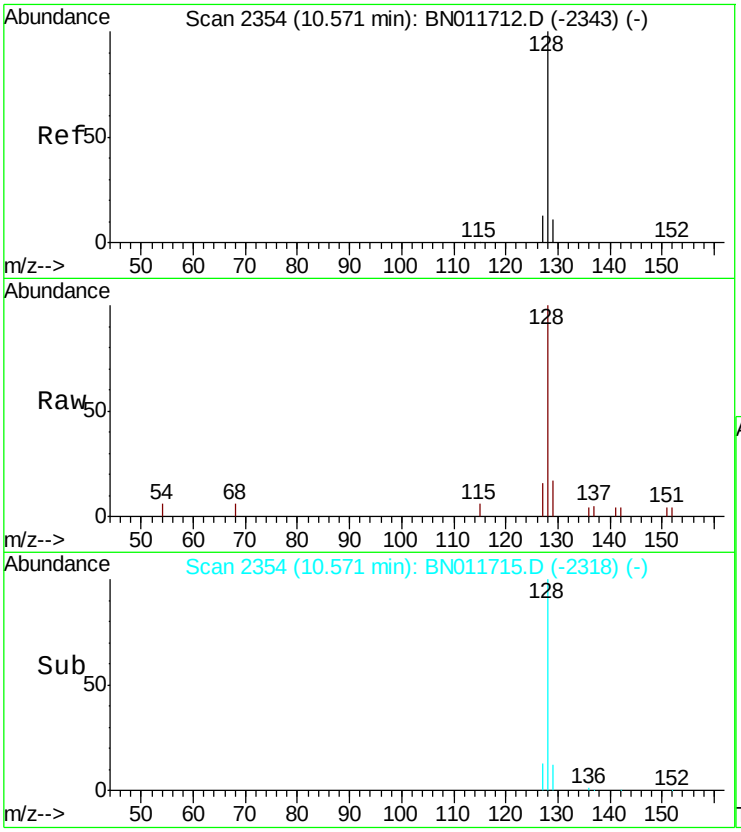


#3
Naphthalene
Concen: 0.061 ng/ul
RT: 10.57 min Scan# 2354
Delta R.T. -0.00 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:128 Resp: 1916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 16.7 | 10.4 | 15.6# |
| 127 | 16.4 | 11.4 | 17.0 |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

**Manual Integrations APPROVED**
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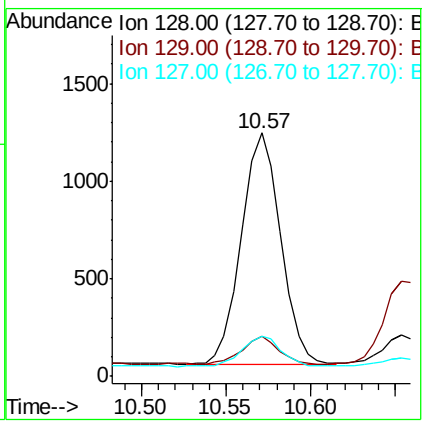
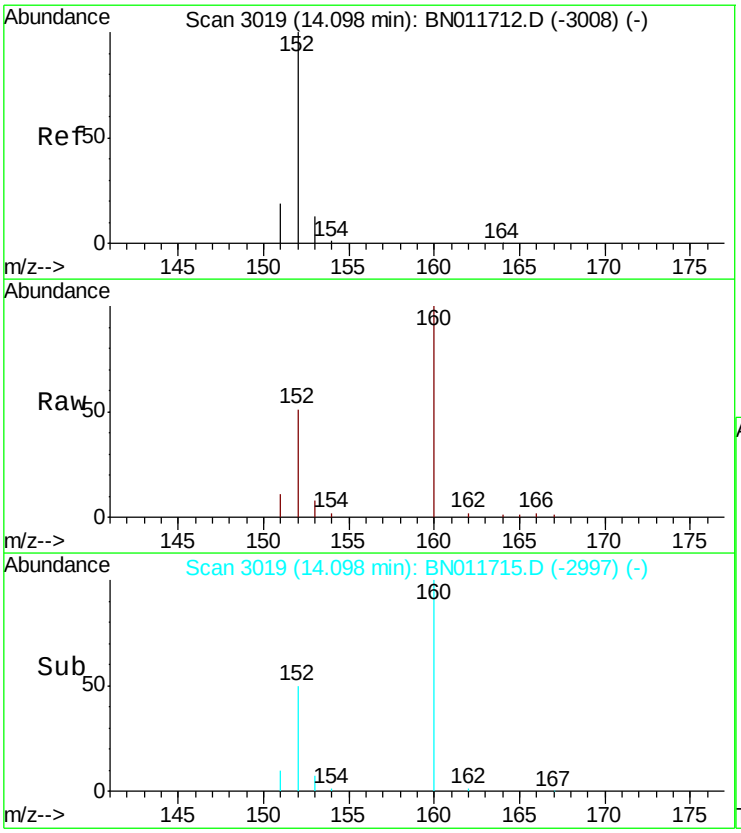
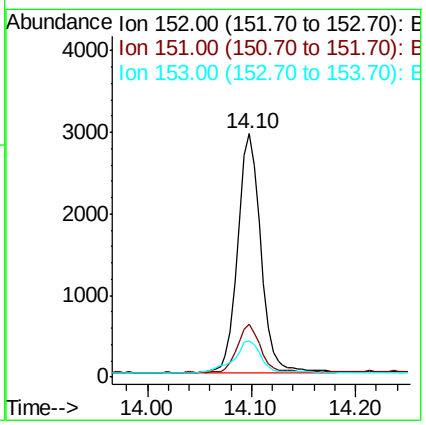


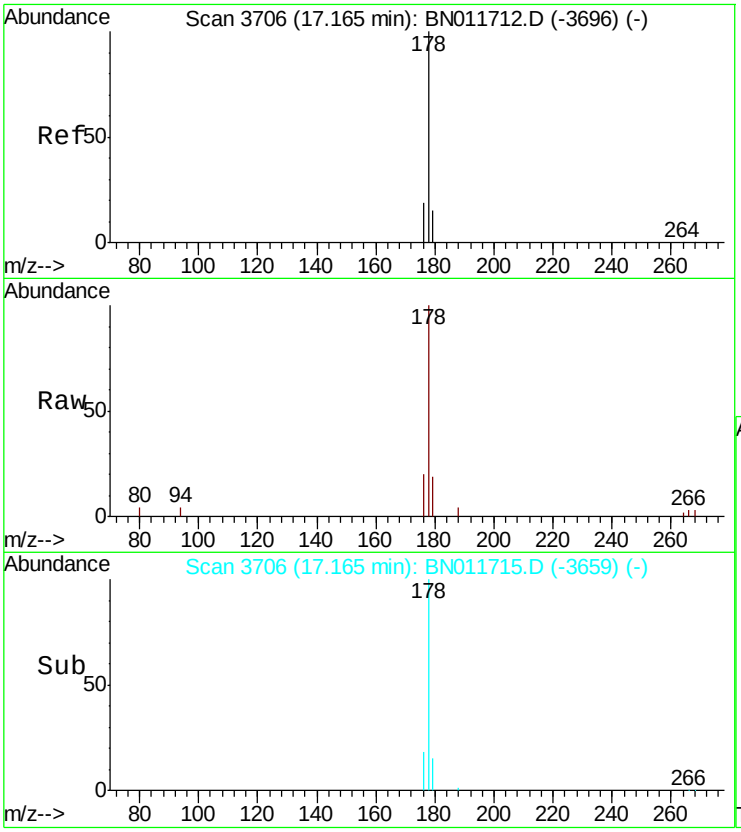




#7
Acenaphthylene
Concen: 0.147 ng/ul
RT: 14.10 min Scan# 3019
Delta R.T. -0.00 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:152 Resp: 4562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.8 | 16.7 | 25.1 |
| 153 | 14.9 | 12.3 | 18.5 |

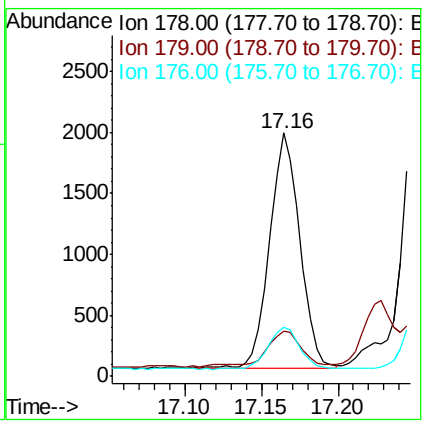





#12
Phenanthrene
Concen: 0.059 ng/ul
RT: 17.16 min Scan# 3706
Delta R.T. -0.00 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:178 Resp: 2632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.6 | 13.8 | 20.8 |
| 176 | 20.2 | 16.3 | 24.5 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

**Manual Integrations APPROVED**
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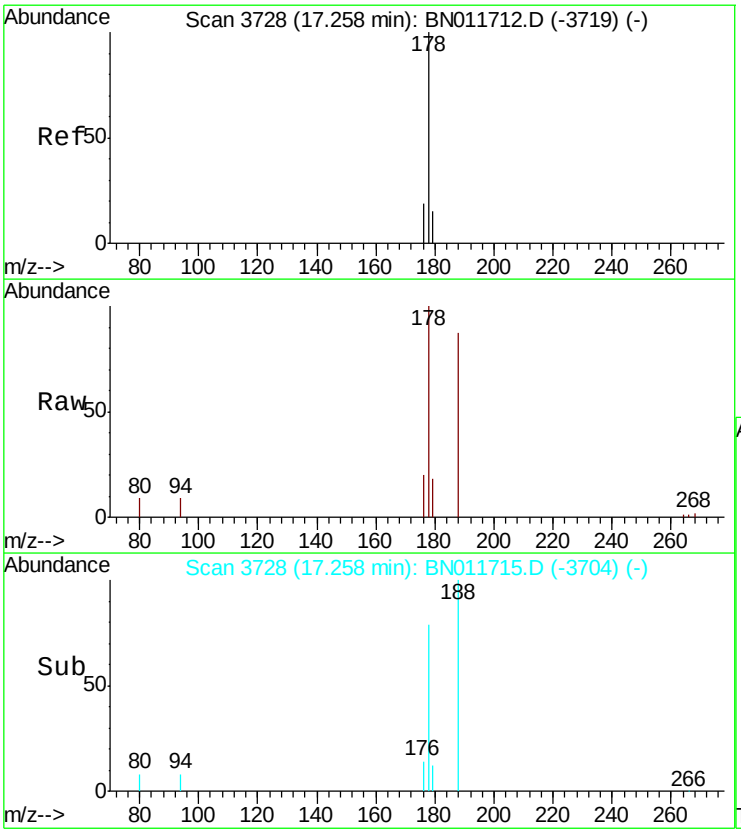
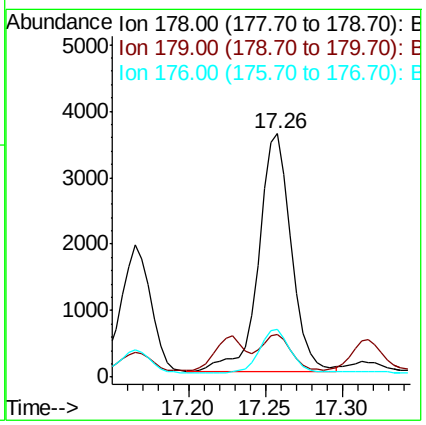
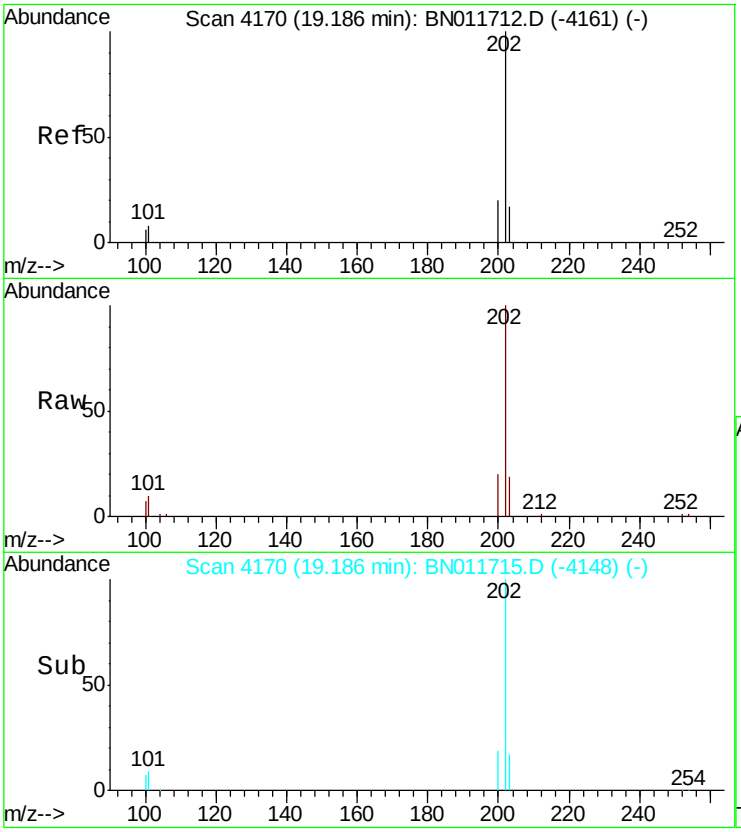



#13
Anthracene
Concen: 0.144 ng/ul
RT: 17.26 min Scan# 3728
Delta R.T. -0.00 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:178 Resp: 5294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.6 | 14.2 | 21.2 |
| 176 | 19.5 | 15.8 | 23.8 |

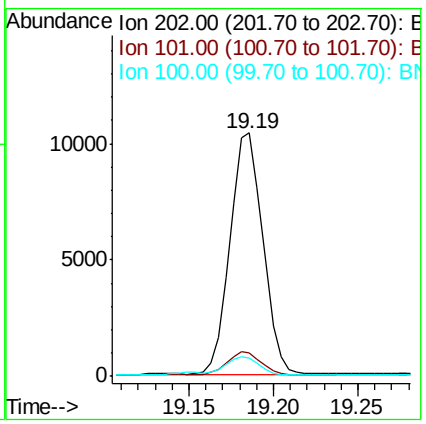





#15
Fluoranthene
Concen: 0.272 ng/ul
RT: 19.19 min Scan# 4170
Delta R.T. -0.00 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:202 Resp: 13984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 28.3 |
| 100 | 7.3 | 0.0 | 27.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

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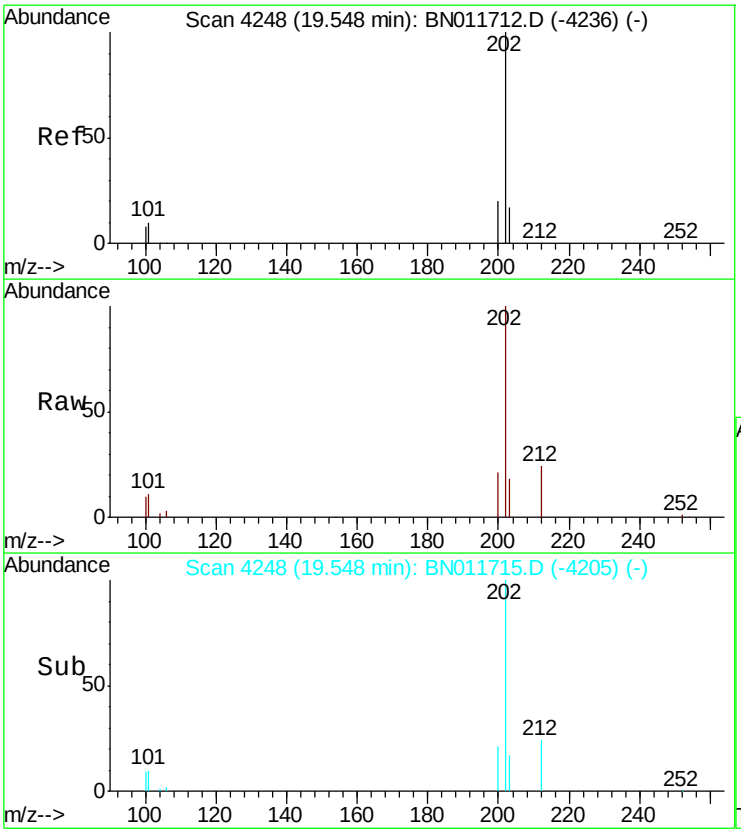
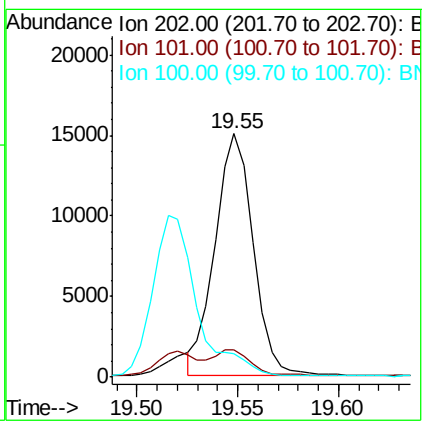
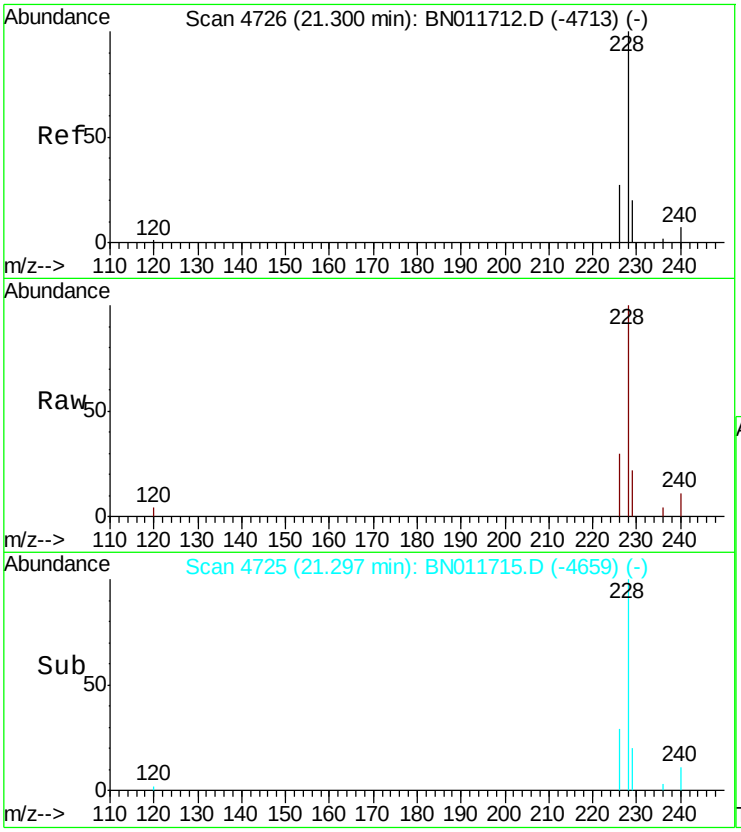



#17
Pyrene
Concen: 0.420 ng/ul m
RT: 19.55 min Scan# 4248
Delta R.T. -0.00 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:202 Resp: 19891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 7.3 | 10.9# |
| 100 | 9.6 | 6.7 | 10.1 |

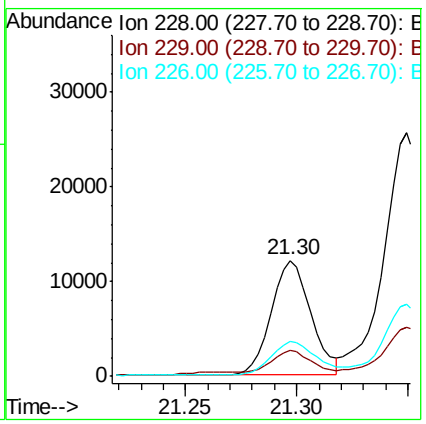





#18
Benzo(a)anthracene
Concen: 0.369 ng/ul
RT: 21.30 min Scan# 4725
Delta R.T. -0.01 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:228 Resp: 14990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.9 | 16.7 | 25.1 |
| 226 | 30.1 | 22.9 | 34.3 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

**Manual Integrations APPROVED**
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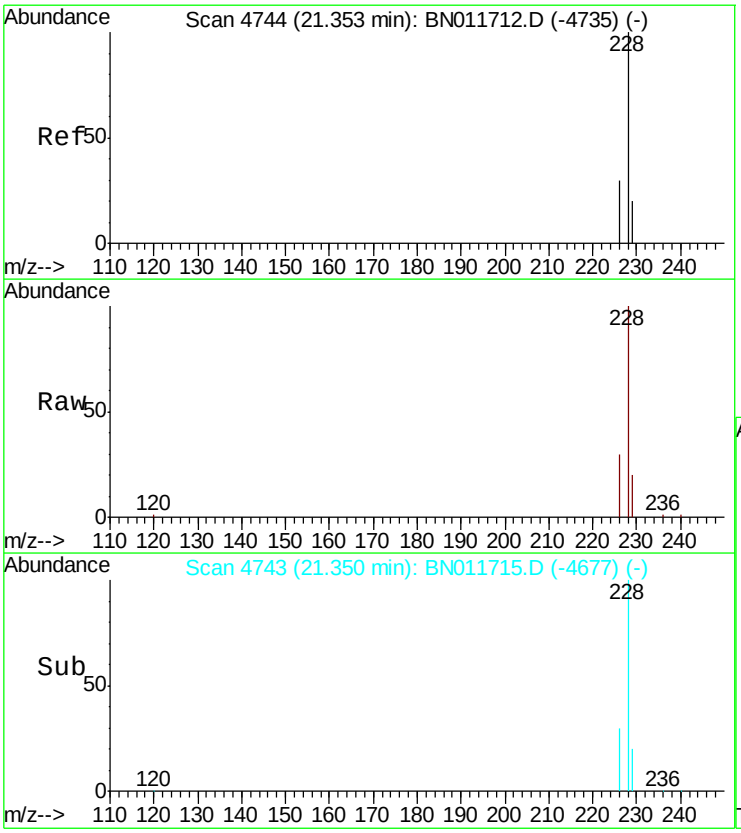
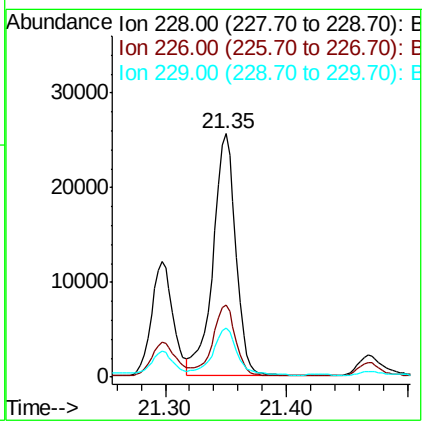
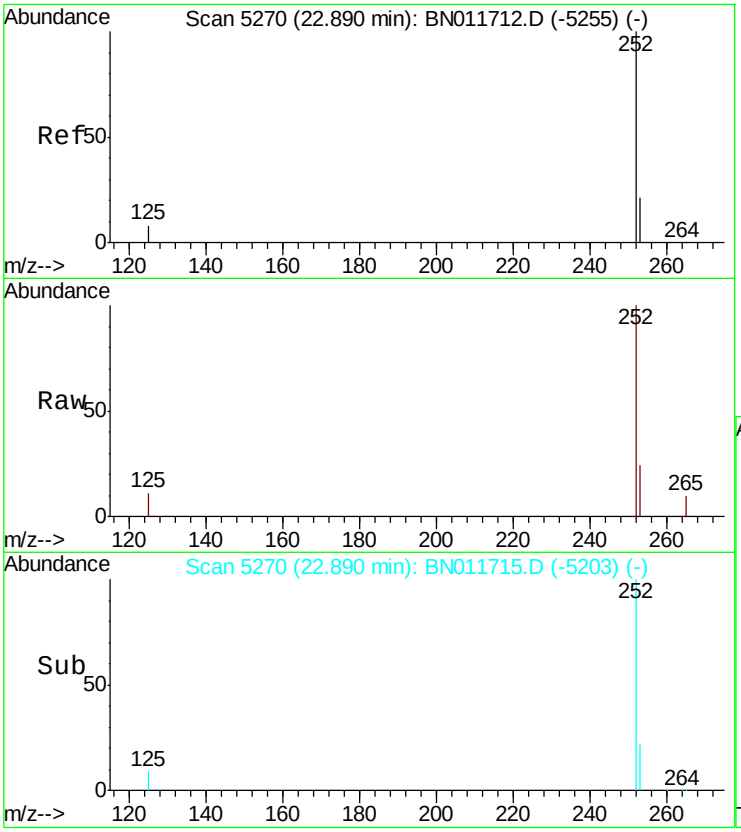



#19
Chrysene
Concen: 0.605 ng/ul
RT: 21.35 min Scan# 4743
Delta R.T. -0.01 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:228 Resp: 33179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.1 | 36.1 |
| 229 | 20.2 | 16.4 | 24.6 |

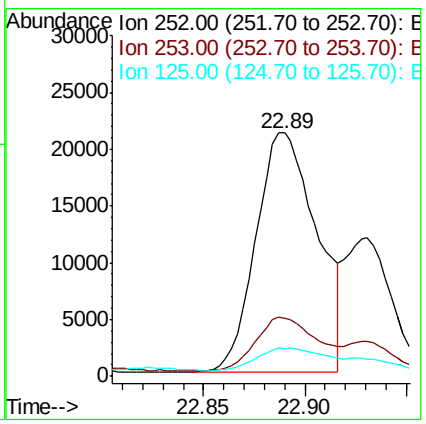





#21
Benzo(b)fluoranthene
Concen: 0.822 ng/ul m
RT: 22.89 min Scan# 5270
Delta R.T. -0.00 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:252 Resp: 44163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 0.0 | 54.8 |
| 125 | 11.4 | 0.0 | 22.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

**Manual Integrations APPROVED**
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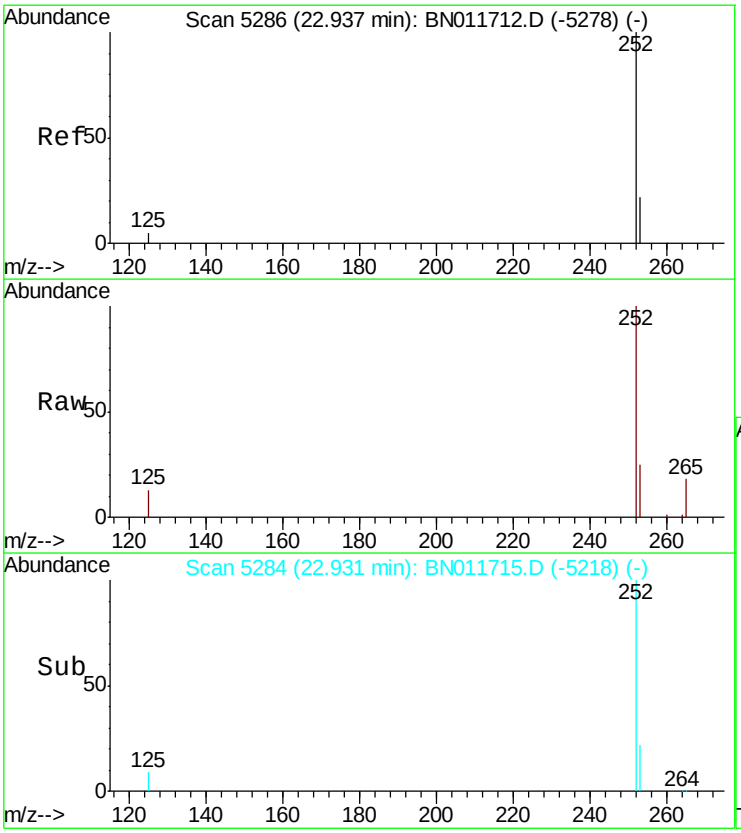
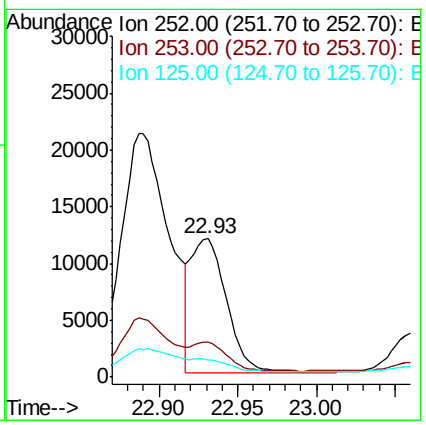
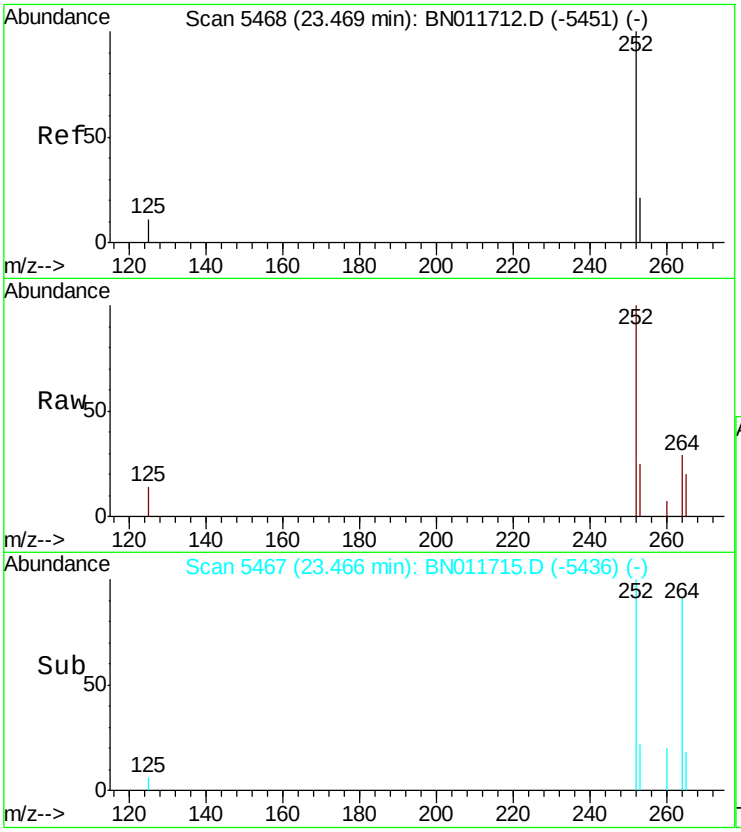



#22
Benzo(k)fluoranthene
Concen: 0.316 ng/ul m
RT: 22.93 min Scan# 5284
Delta R.T. -0.01 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:252 Resp: 18778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 21.8 | 32.6 |
| 125 | 12.7 | 9.1 | 13.7 |






#23
Benzo(a)pyrene
Concen: 0.625 ng/ul
RT: 23.47 min Scan# 5467
Delta R.T. -0.01 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:252 Resp: 28236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 24.4 | 36.6 |
| 125 | 13.5 | 11.1 | 16.7 |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

**Manual Integrations APPROVED**
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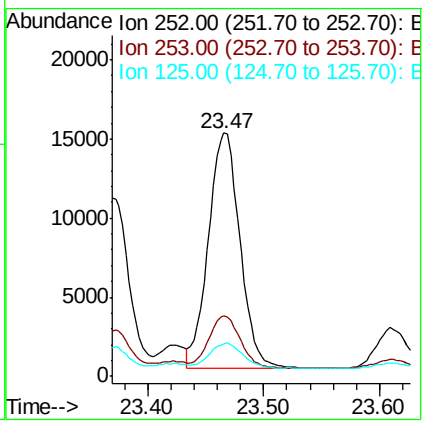
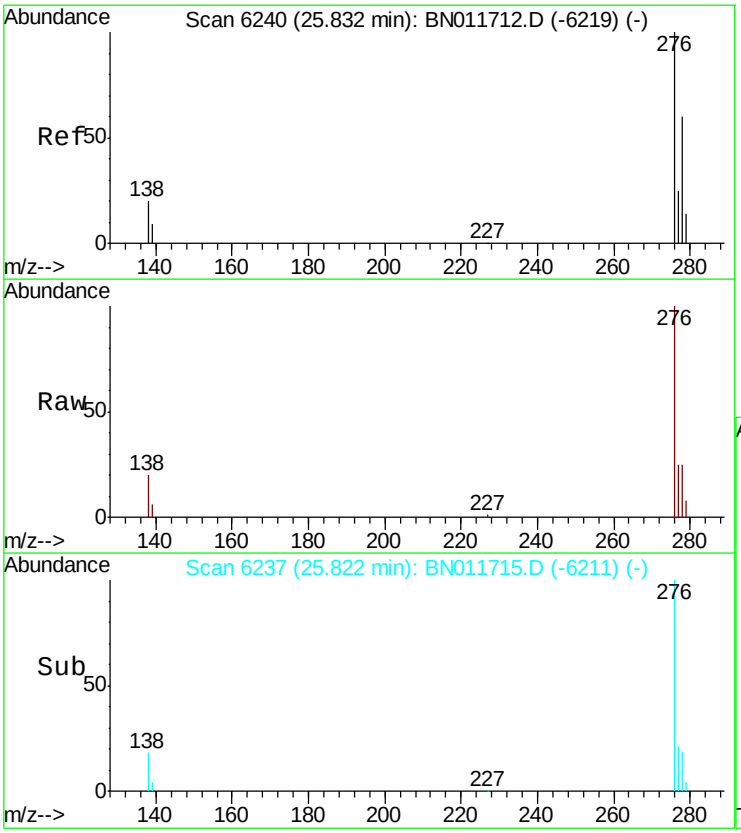
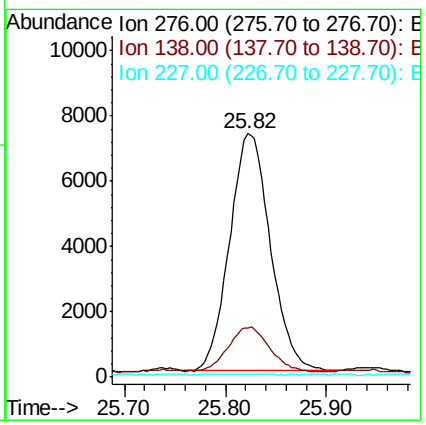


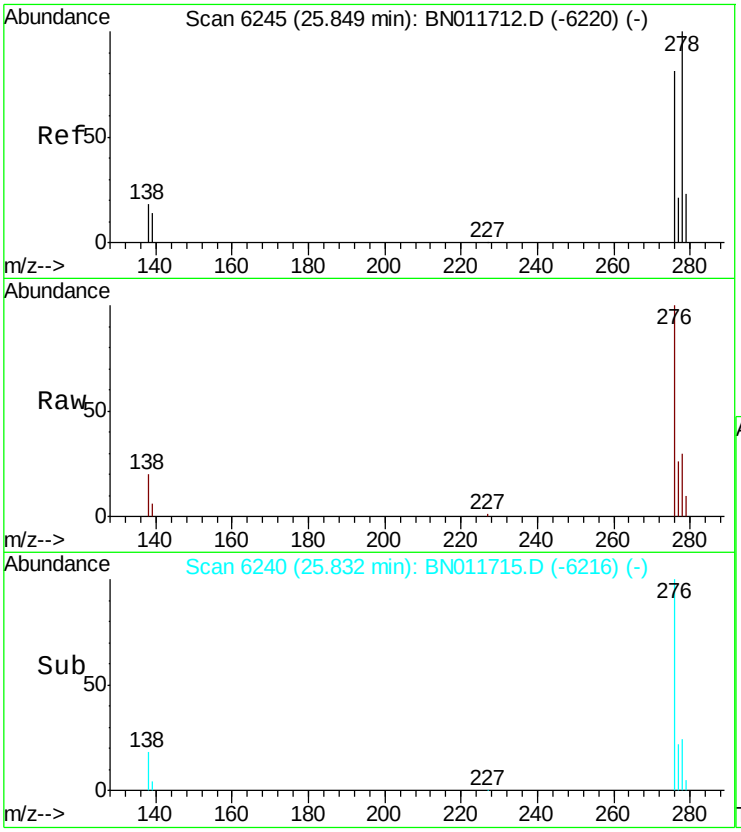




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.332 ng/ul
RT: 25.82 min Scan# 6237
Delta R.T. -0.01 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:276 Resp: 20292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.0 | 15.8 | 23.6 |
| 227 | 0.0 | 0.2 | 0.2# |






#25
Dibenzo(a,h)anthracene
Concen: 0.124 ng/ul
RT: 25.83 min Scan# 6240
Delta R.T. -0.02 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:278 Resp: 6181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.8 | 12.1 | 18.1# |
| 279 | 32.5 | 22.9 | 34.3 |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AA7

**Manual Integrations APPROVED**
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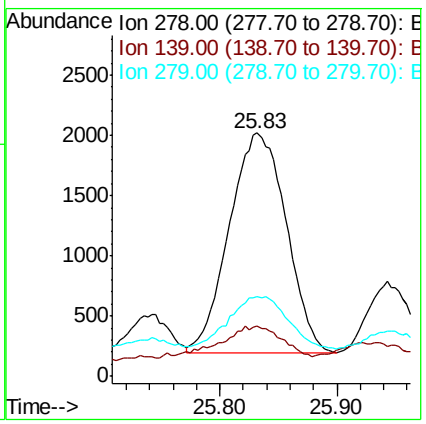


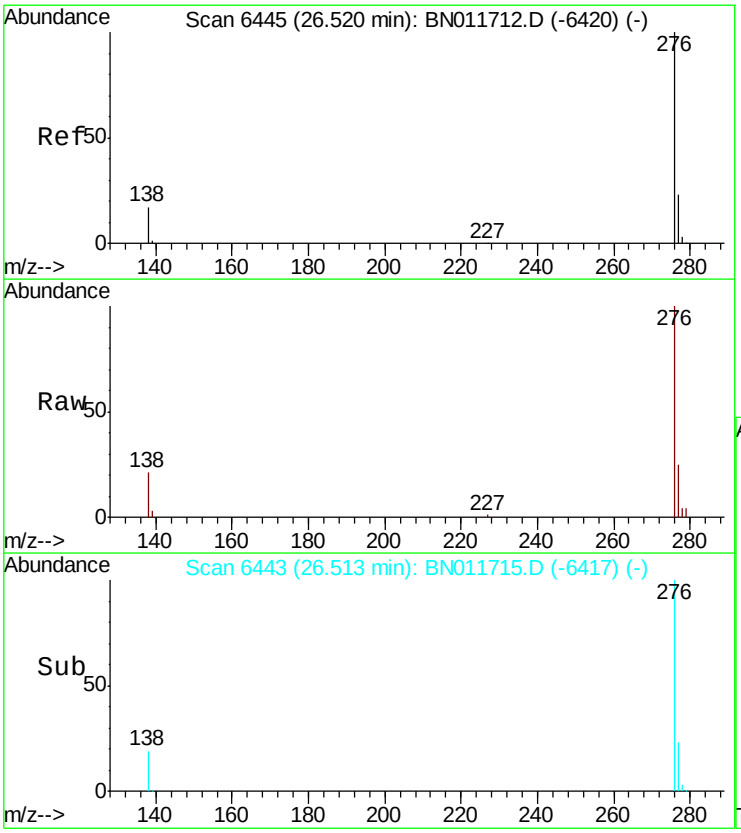


#26
Benzo(g,h,i)perylene
Concen: 0.306 ng/ul
RT: 26.51 min Scan# 6443
Delta R.T. -0.01 min
Lab File: BN011715.D
Acq: 05 Sep 2020 00:11

Tgt Ion:276 Resp: 17514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.0 | 15.8 | 23.6 |
| 277 | 24.9 | 20.6 | 31.0 |