Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN013013.D
Acq On : 09 Dec 2020 15:30
Operator : CG/JU
Sample : L4862-07DL 5X
Misc :
ALS Vial : 83 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** C0B61DL

**Manual Integrations APPROVED**
mohammad
12/9/2020 5:39:40 PM

Quant Time: Dec 09 16:18:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 07:33:34 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.38 | 152 | 1268 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.15 | 136 | 5391 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.05 | 164 | 3044 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.81 | 188 | 6487 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.03 | 240 | 5180 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.14 | 264 | 4723 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.75 | 152 | 389 | 0.05 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.85 | 212 | 861 | 0.05 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 7) Acenaphthylene | 13.76 | 152 | 1046 | 0.073 | ng/ul# | 87 |
| 12) Phenanthrene | 16.85 | 178 | 2734 | 0.126 | ng/ul | 97 |
| 13) Anthracene | 16.94 | 178 | 645 | 0.035 | ng/ul# | 78 |
| 15) Fluoranthene | 18.88 | 202 | 10282 | 0.398 | ng/ul | 99 |
| 17) Pyrene | 19.25 | 202 | 9230 | 0.377 | ng/ul | 95 |
| 18) Benzo(a)anthracene | 21.02 | 228 | 4778 | 0.223 | ng/ul# | 88 |
| 19) Chrysene | 21.07 | 228 | 6366 | 0.269 | ng/ul# | 91 |
| 21) Benzo(b)fluoranthene | 22.52 | 252 | 9055m | 0.414 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.56 | 252 | 3367m | 0.139 | ng/ul | |
| 23) Benzo(a)pyrene | 23.04 | 252 | 5361 | 0.264 | ng/ul# | 78 |
| 24) Indeno(1,2,3-cd)pyrene | 25.19 | 276 | 3982 | 0.150 | ng/ul# | 95 |
| 25) Dibenzo(a,h)anthracene | 25.20 | 278 | 895 | 0.042 | ng/ul# | 1 |
| 26) Benzo(g,h,i)perylene | 25.82 | 276 | 3922 | 0.163 | ng/ul# | 76 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN013013.D
Acq On : 09 Dec 2020 15:30
Operator : CG/JU
Sample : L4862-07DL 5X
Misc :
ALS Vial : 83 Sample Multiplier: 1

Quant Time: Dec 09 16:18:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 07:33:34 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

**Manual Integrations APPROVED**
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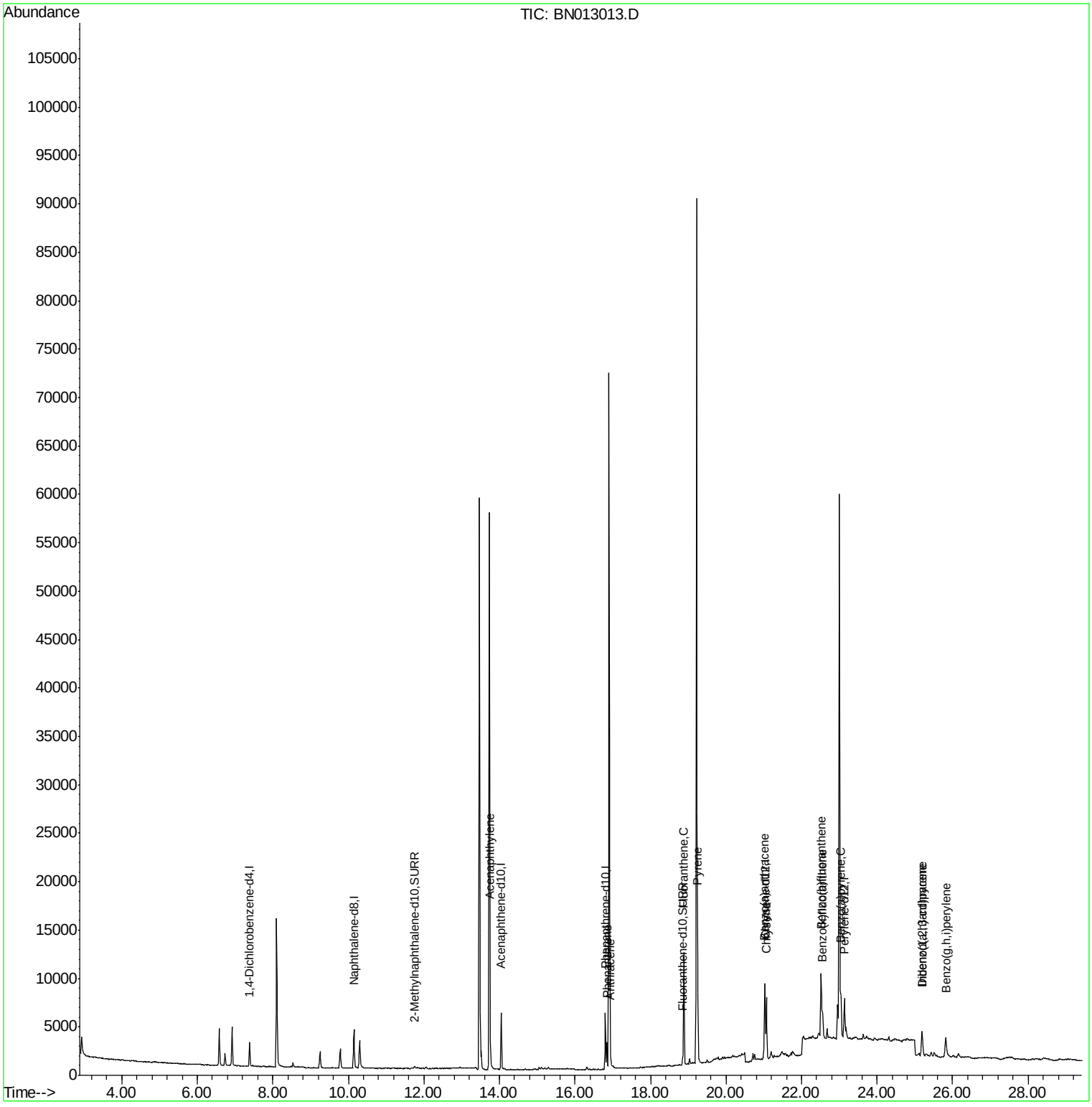

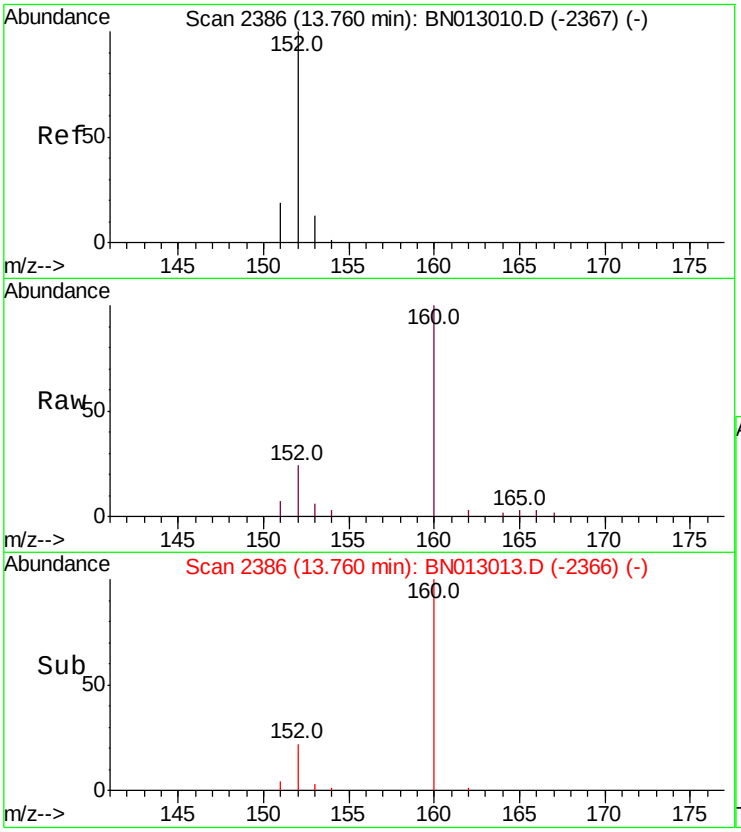


#7
Acenaphthylene
Concen: 0.073 ng/ul
RT: 13.76 min Scan# 2386
Delta R.T. -0.01 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:152 Resp: 1046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 28.3 | 18.2 | 27.4# |
| 153 | 22.8 | 13.1 | 19.7# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

**Manual Integrations APPROVED**
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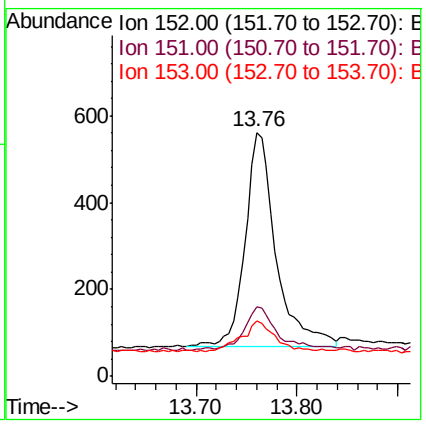
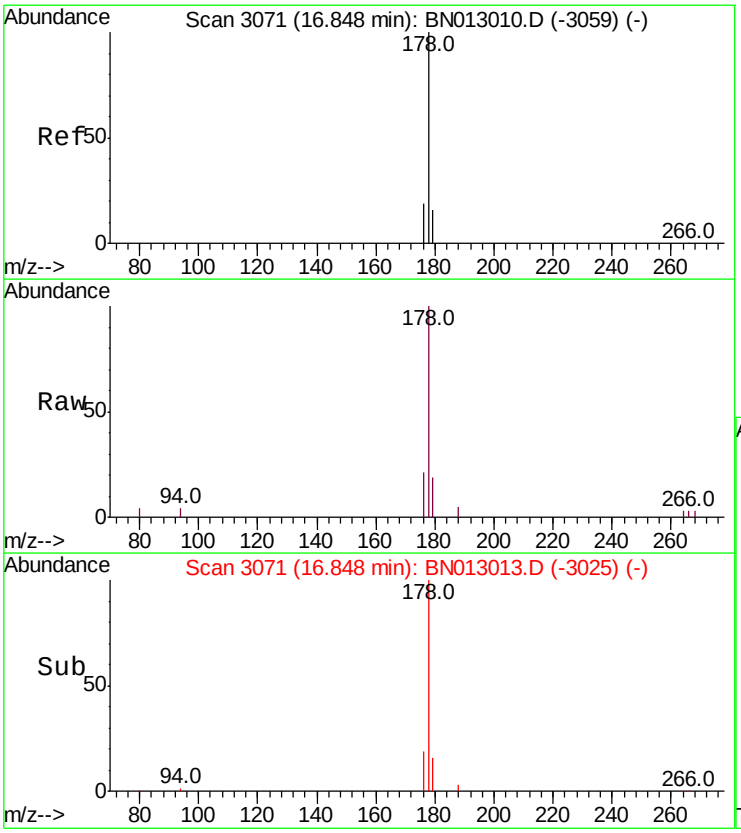
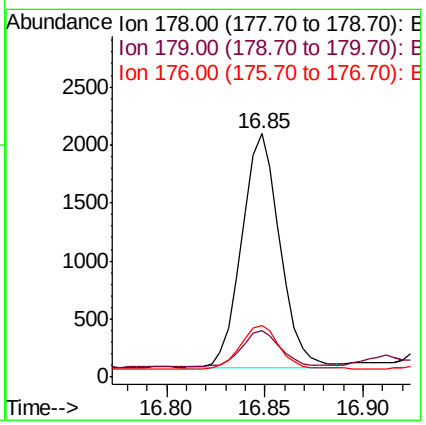


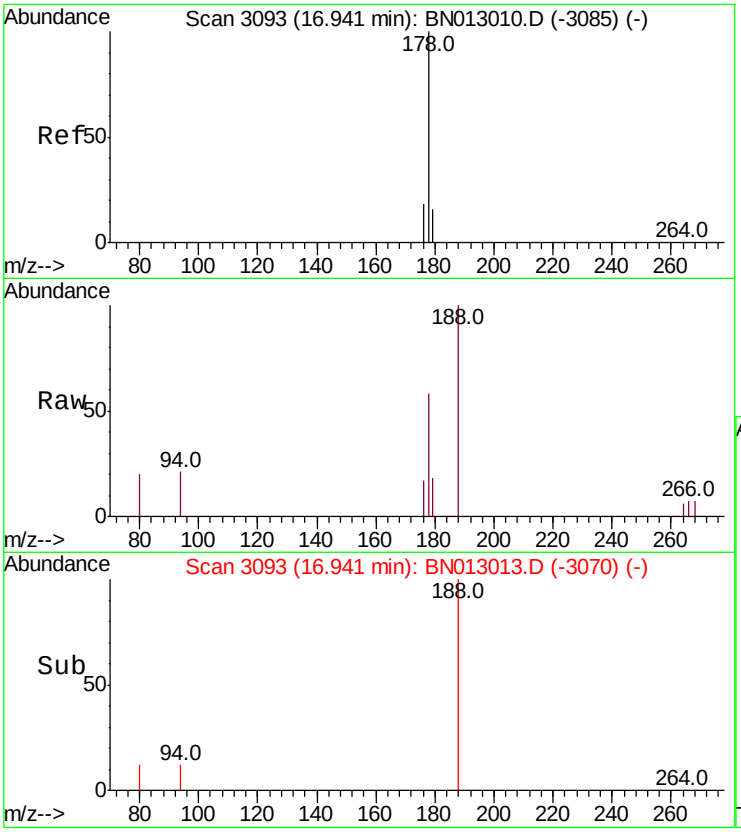




#12
Phenanthrene
Concen: 0.126 ng/ul
RT: 16.85 min Scan# 3071
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:178 Resp: 2734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.2 | 13.6 | 20.4 |
| 176 | 21.4 | 16.4 | 24.6 |






#13
Anthracene
Concen: 0.035 ng/ul
RT: 16.94 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:178 Resp: 645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 31.1 | 14.6 | 21.8# |
| 176 | 28.8 | 17.1 | 25.7# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

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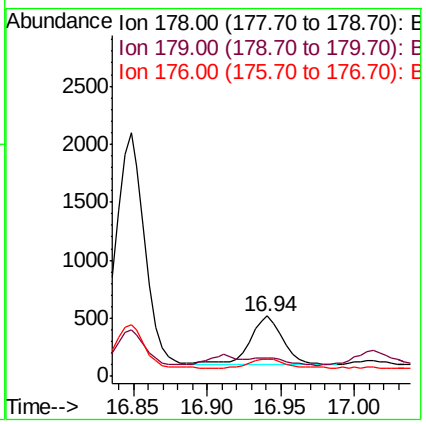
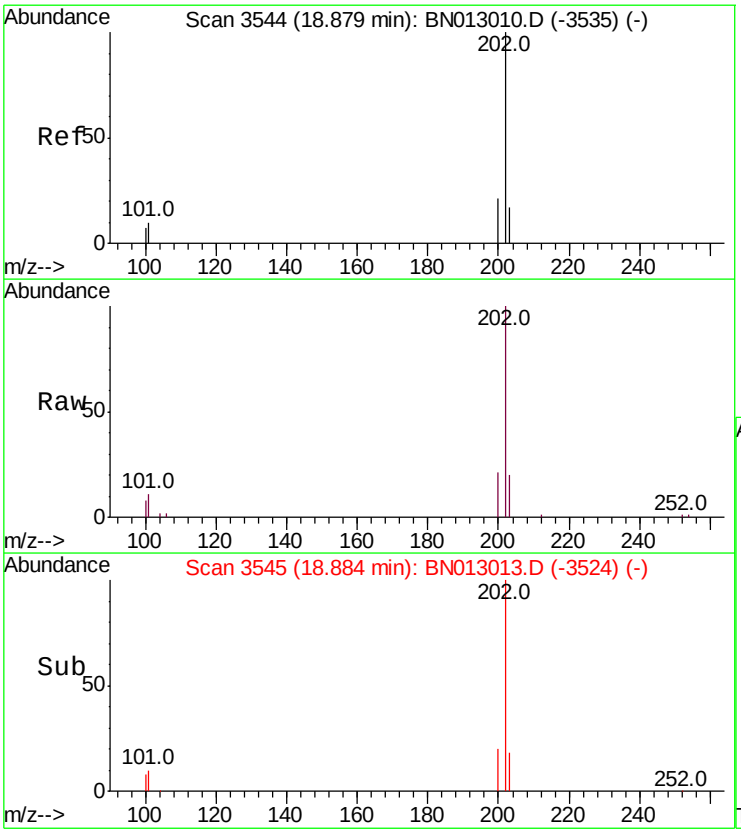
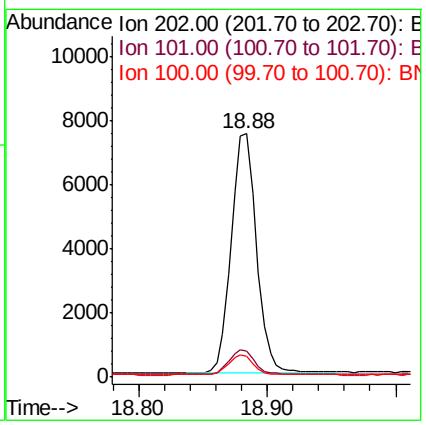


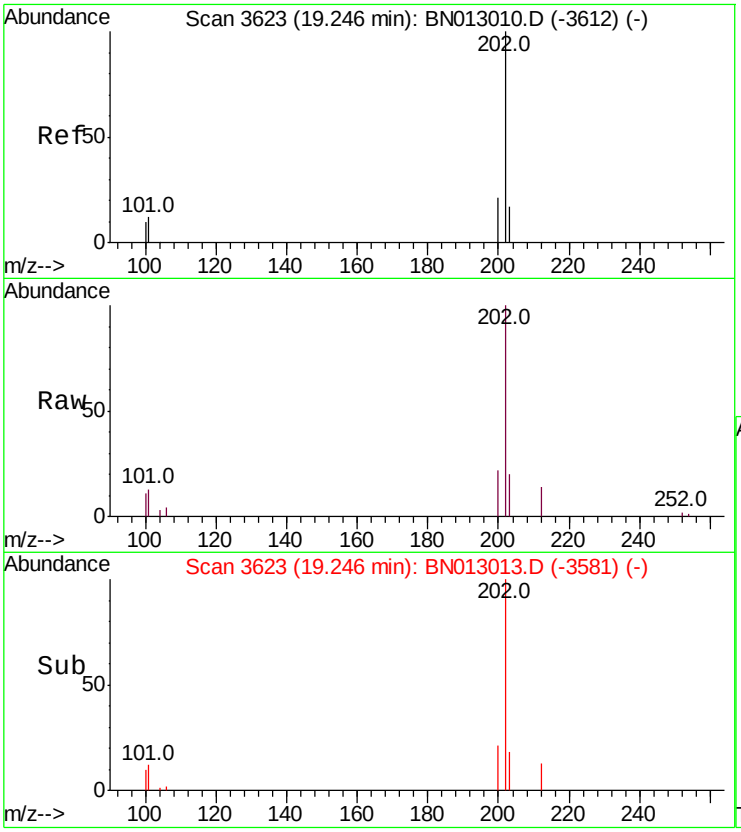




#15
Fluoranthene
Concen: 0.398 ng/ul
RT: 18.88 min Scan# 3545
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:202 Resp: 10282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 0.0 | 30.6 |
| 100 | 8.5 | 0.0 | 28.7 |

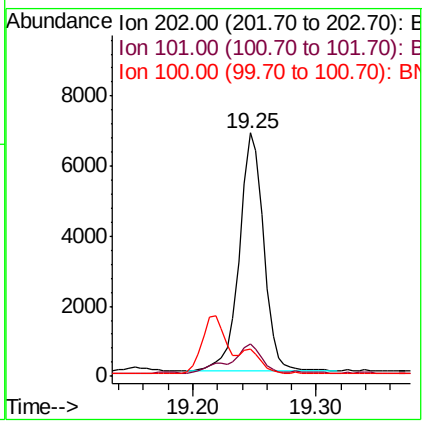





#17
Pyrene
Concen: 0.377 ng/ul
RT: 19.25 min Scan# 3623
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:202 Resp: 9230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 9.1 | 13.7 |
| 100 | 11.0 | 7.5 | 11.3 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

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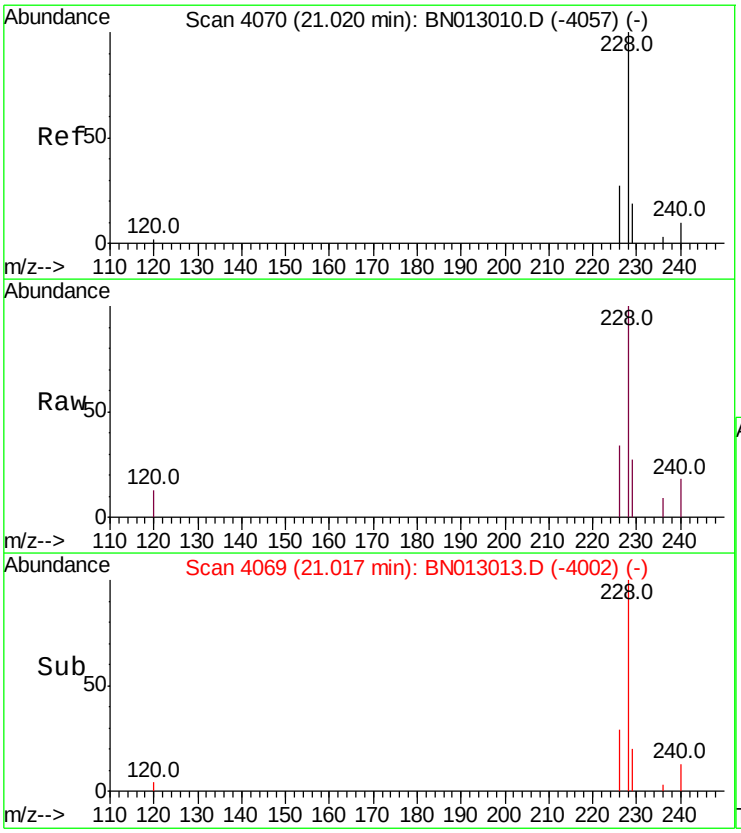
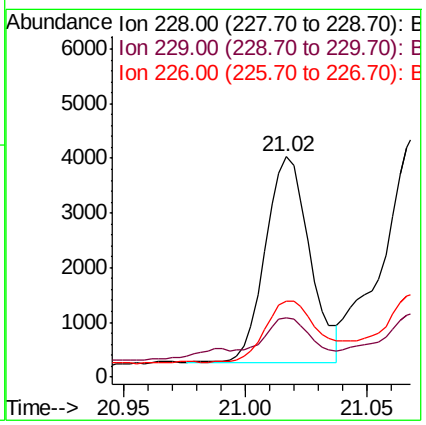
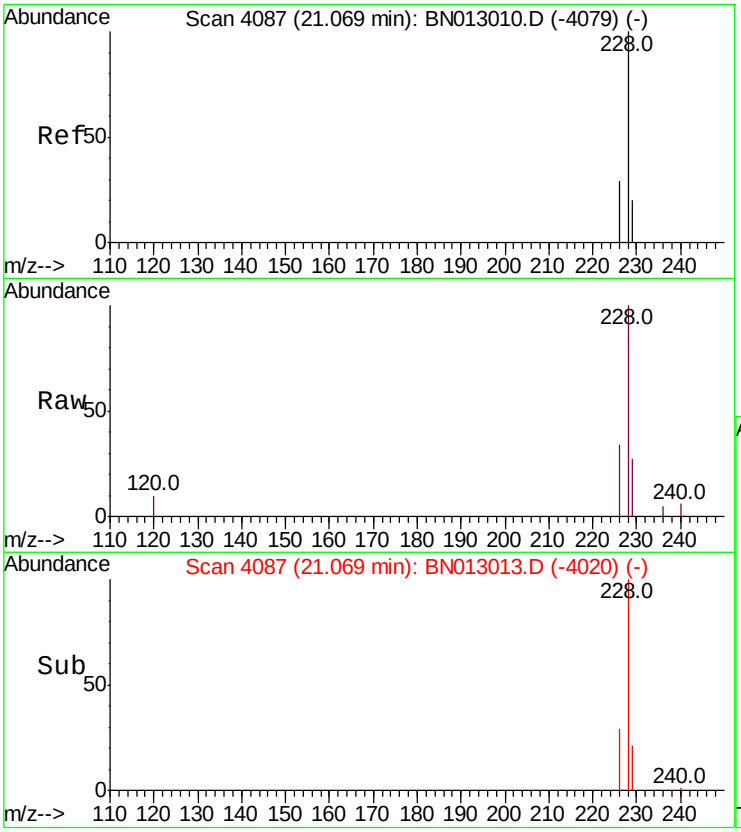



#18
Benzo(a)anthracene
Concen: 0.223 ng/ul
RT: 21.02 min Scan# 4069
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:228 Resp: 4778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 27.0 | 16.3 | 24.5# |
| 226 | 34.5 | 23.4 | 35.2 |






#19
Chrysene
Concen: 0.269 ng/ul
RT: 21.07 min Scan# 4087
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:228 Resp: 6366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.4 | 25.0 | 37.6 |
| 229 | 26.6 | 16.4 | 24.6# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

**Manual Integrations APPROVED**
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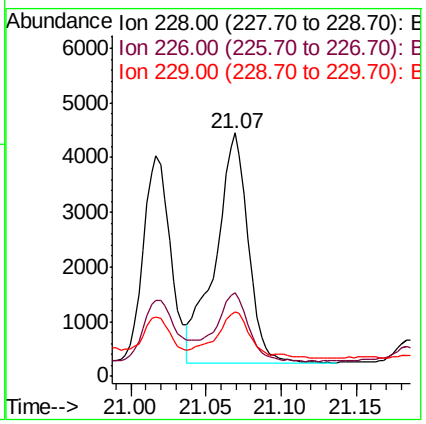
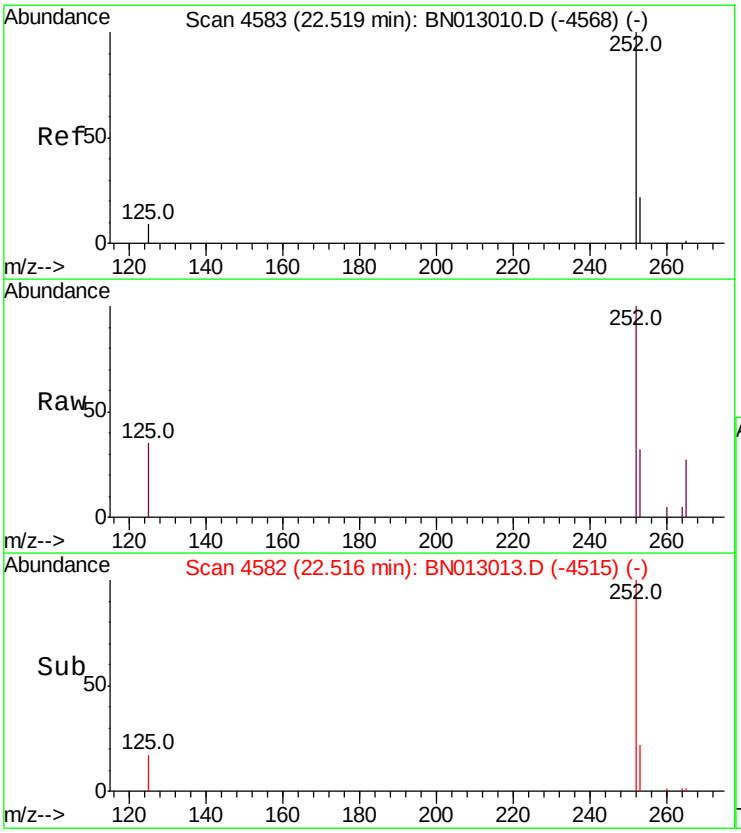
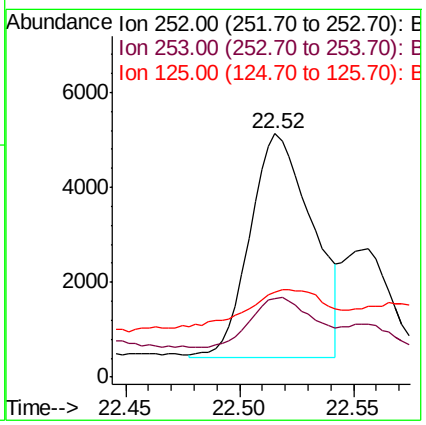


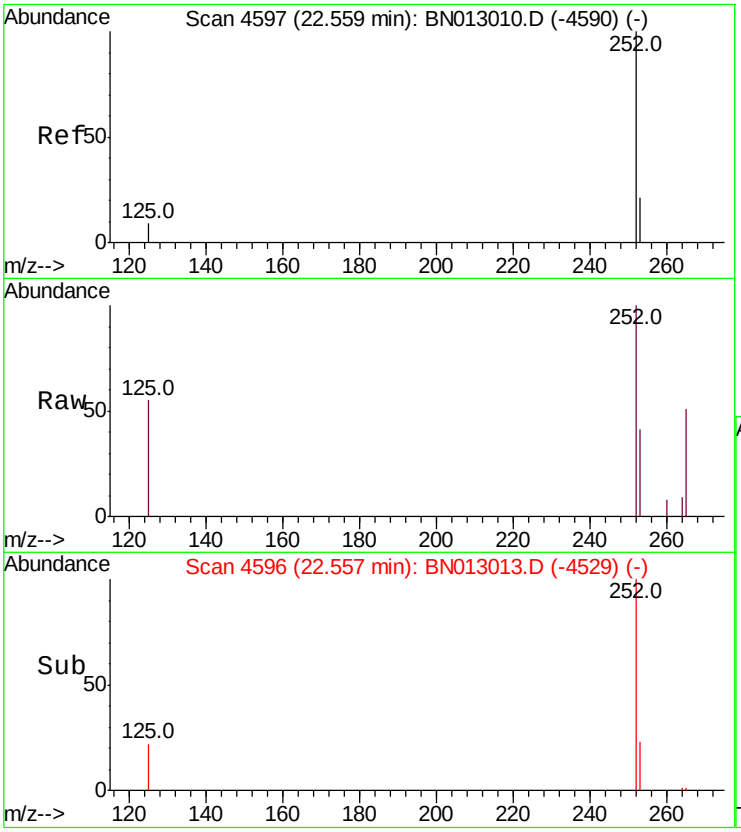




#21
Benzo(b)fluoranthene
Concen: 0.414 ng/ul m
RT: 22.52 min Scan# 4582
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:252 Resp: 9055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.2 | 0.0 | 59.6 |
| 125 | 34.9 | 0.0 | 26.0# |






#22
Benzo(k)fluoranthene
Concen: 0.139 ng/ul m
RT: 22.56 min Scan# 4596
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:252 Resp: 3367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 41.1 | 23.4 | 35.2# |
| 125 | 54.8 | 11.1 | 16.7# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

**Manual Integrations APPROVED**
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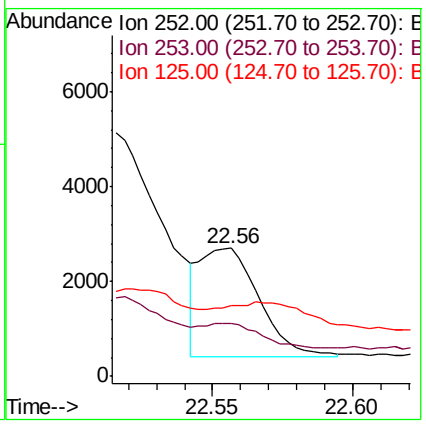
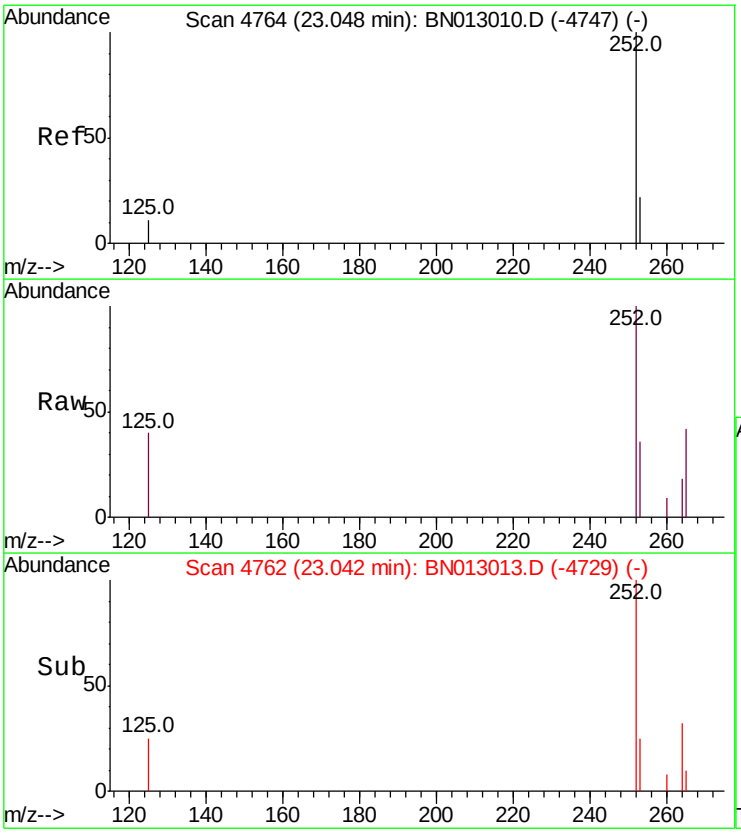
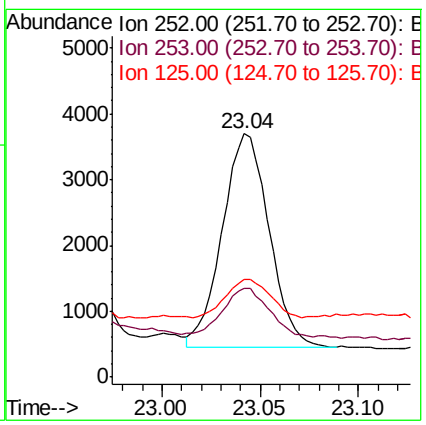


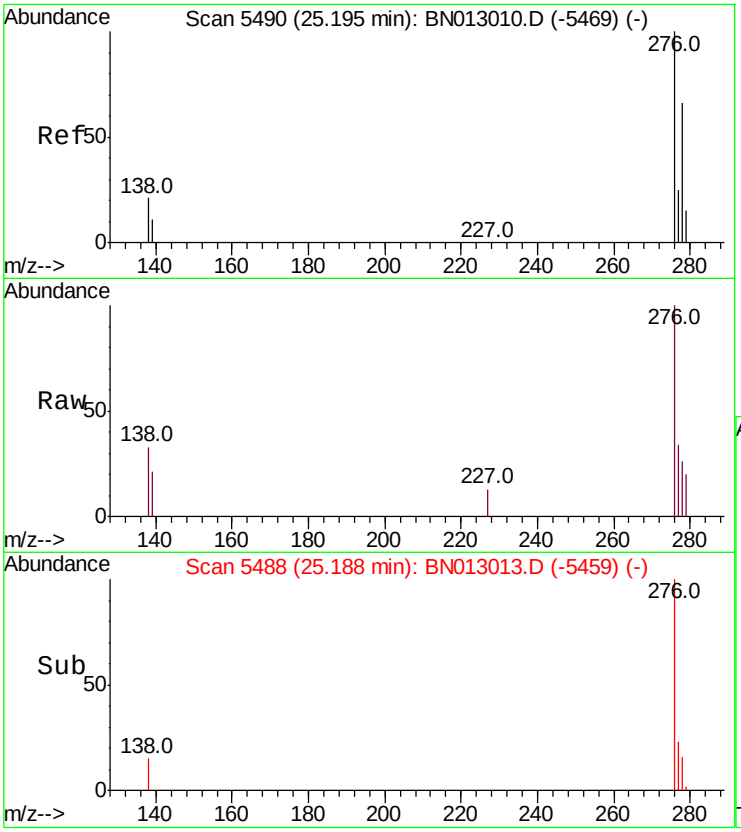




#23
Benzo(a)pyrene
Concen: 0.264 ng/ul
RT: 23.04 min Scan# 4762
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:252 Resp: 5361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 36.3 | 26.5 | 39.7 |
| 125 | 40.2 | 14.2 | 21.2# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.150 ng/ul
RT: 25.19 min Scan# 5488
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:276 Resp: 3982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.0 | 16.2 | 24.2 |
| 227 | 0.2 | 0.0 | 0.0# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

**Manual Integrations APPROVED**
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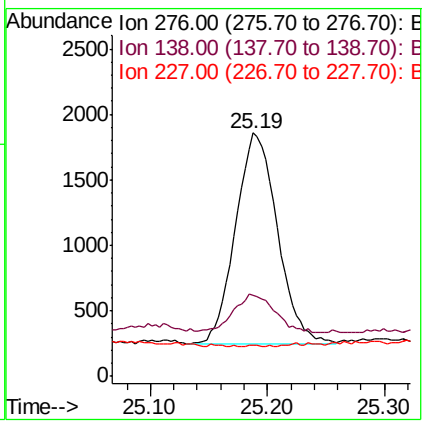
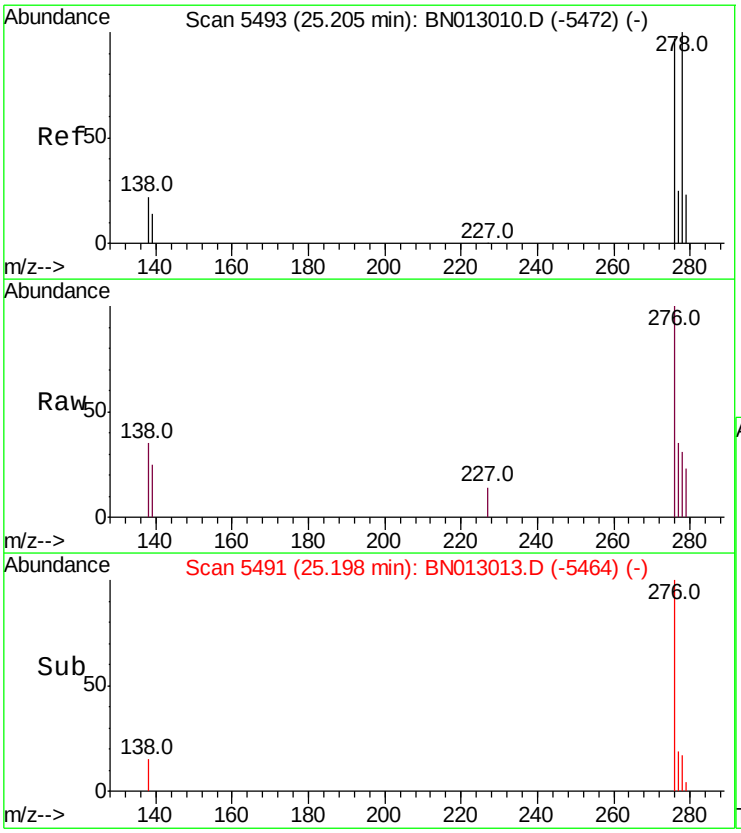
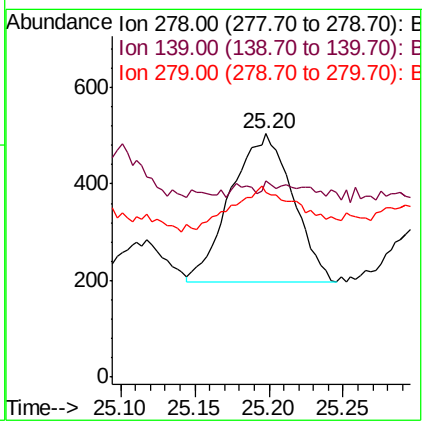


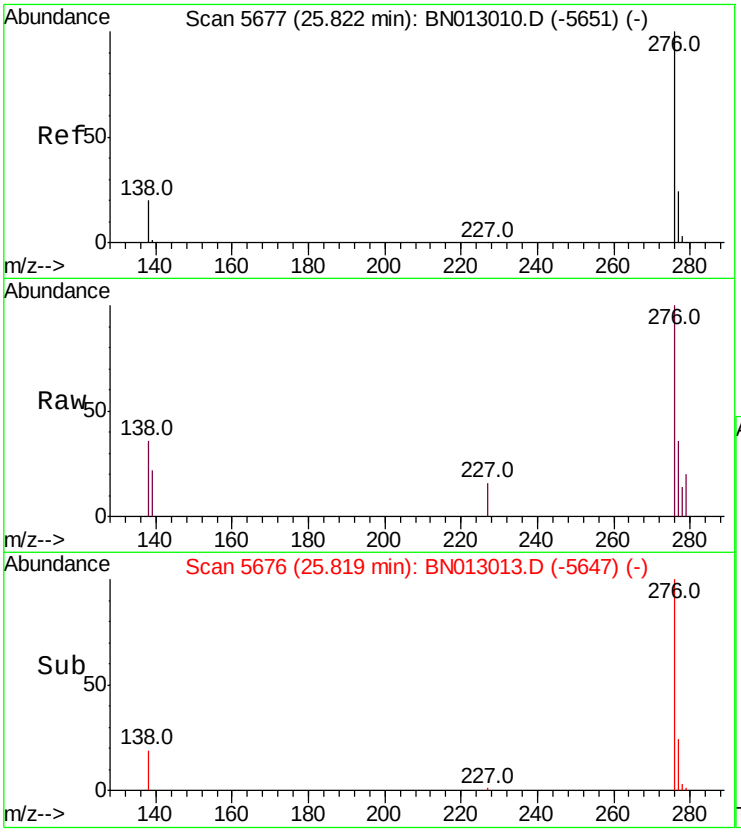




#25
Dibenzo(a,h)anthracene
Concen: 0.042 ng/ul
RT: 25.20 min Scan# 5491
Delta R.T. -0.01 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:278 Resp: 895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 80.6 | 14.5 | 21.7# |
| 279 | 76.2 | 26.3 | 39.5# |

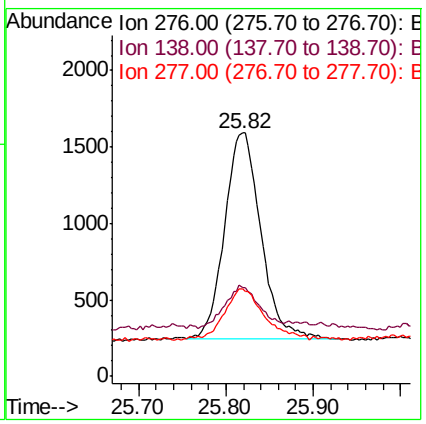





#26
Benzo(g,h,i)perylene
Concen: 0.163 ng/ul
RT: 25.82 min Scan# 5676
Delta R.T. -0.00 min
Lab File: BN013013.D
Acq: 09 Dec 2020 15:30

Tgt Ion:276 Resp: 3922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 36.2 | 16.3 | 24.5# |
| 277 | 35.7 | 21.8 | 32.6# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0B61DL

**Manual Integrations APPROVED**
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12/9/2020 5:39:40 PM