Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101218\
Data File : BN003132.D
Acq On : 12 Oct 2018 08:20
Operator : MJ/SJ
Sample : J5234-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 12 12:52:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** C0AK0

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 1840 | 0.40 | ng/ul | -0.02 |
| 2) Naphthalene-d8 | 10.39 | 136 | 6774 | 0.40 | ng/ul | -0.02 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 3994 | 0.40 | ng/ul | -0.01 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 5521m | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.22 | 240 | 4866m | 0.40 | ng/ul | -0.01 |
| 20) Perylene-d12 | 23.43 | 264 | 4799m | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.98 | 152 | 2758 | 0.26 | ng/ul | -0.03 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 4577m | 0.29 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.43 | 128 | 25940 | 1.492 | ng/ul | 99 |
| 5) 2-Methylnaphthalene | 12.06 | 142 | 45710 | 3.820 | ng/ul | 97 |
| 7) Acenaphthylene | 13.98 | 152 | 3758 | 0.206 | ng/ul# | 44 |
| 8) Acenaphthene | 14.32 | 153 | 6735 | 0.486 | ng/ul | 93 |
| 9) Fluorene | 15.31 | 166 | 29636 | 1.866 | ng/ul# | 99 |
| 12) Phenanthrene | 17.05 | 178 | 55394 | 3.599 | ng/ul | 98 |
| 13) Anthracene | 17.15 | 178 | 17814m | 1.225 | ng/ul | |
| 15) Fluoranthene | 19.08 | 202 | 19207m | 1.064 | ng/ul | |
| 17) Pyrene | 19.44 | 202 | 30021 | 1.588 | ng/ul | 99 |
| 18) Benzo(a)anthracene | 21.21 | 228 | 9228m | 0.589 | ng/ul | |
| 19) Chrysene | 21.26 | 228 | 8895m | 0.559 | ng/ul | |
| 21) Benzo(b)fluoranthene | 22.78 | 252 | 4885m | 0.283 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.81 | 252 | 1186m | 0.066 | ng/ul | |
| 23) Benzo(a)pyrene | 23.34 | 252 | 5341 | 0.345 | ng/ul# | 78 |
| 24) Indeno(1,2,3-cd)pyrene | 25.65 | 276 | 2515 | 0.141 | ng/ul | 90 |
| 25) Dibenzo(a,h)anthracene | 25.65 | 278 | 567 | 0.040 | ng/ul# | 1 |
| 26) Benzo(g,h,i)perylene | 26.33 | 276 | 2231 | 0.149 | ng/ul# | 72 |

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101218\
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**Instrument :**
BNA_N
**ClientSampleId :**
C0AK0

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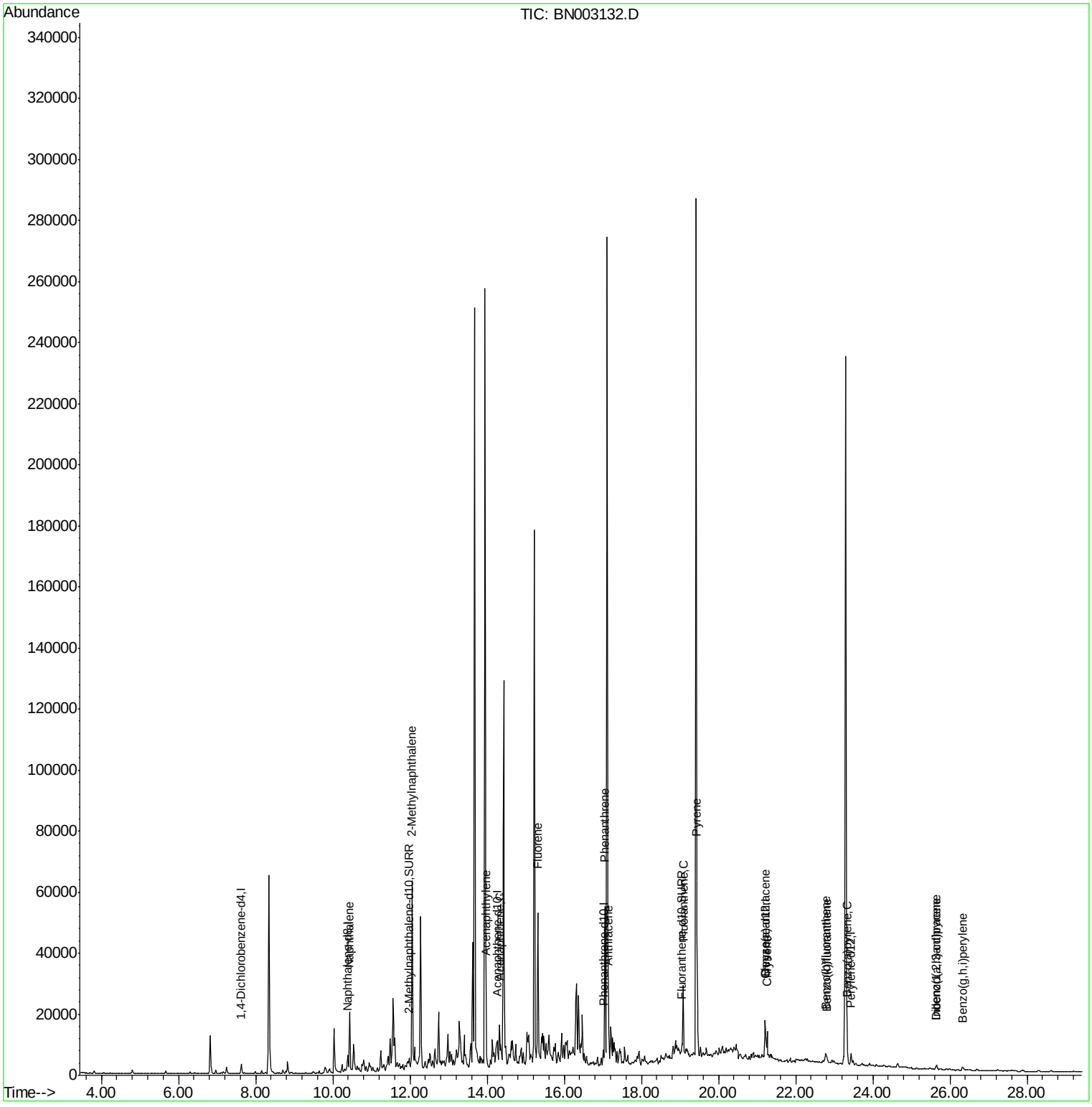

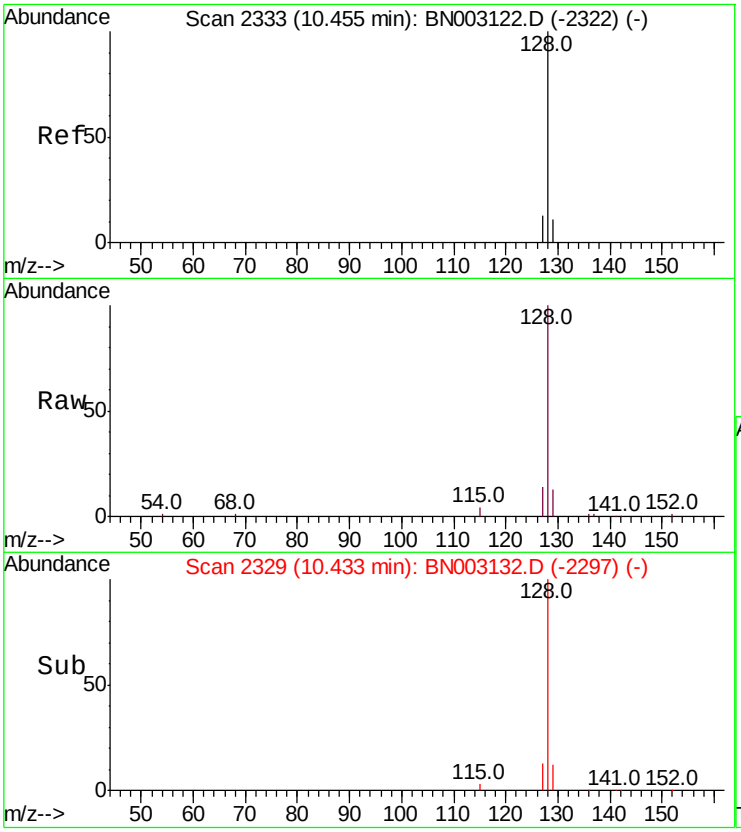


#3
Naphthalene
Concen: 1.492 ng/ul
RT: 10.43 min Scan# 2329
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:128 Resp: 25940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.8 | 10.4 | 15.6 |
| 127 | 13.8 | 11.7 | 17.5 |

**Instrument :**
BNA_N
**ClientSampleId :**
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**Manual Integrations APPROVED**
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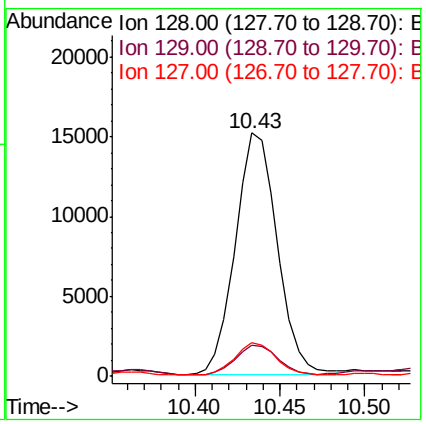
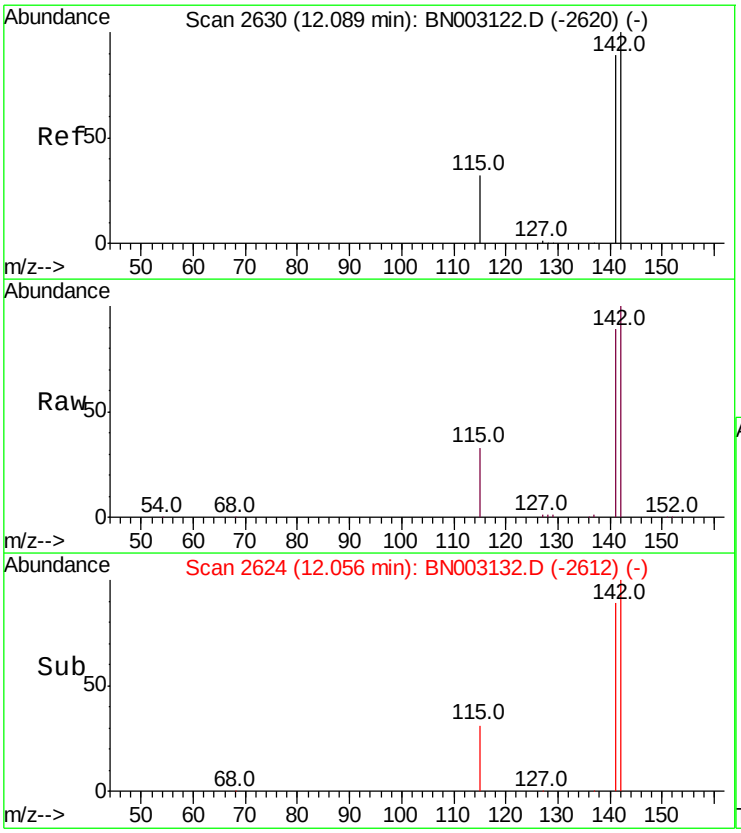
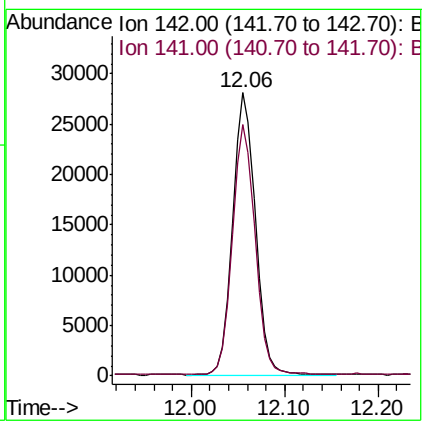


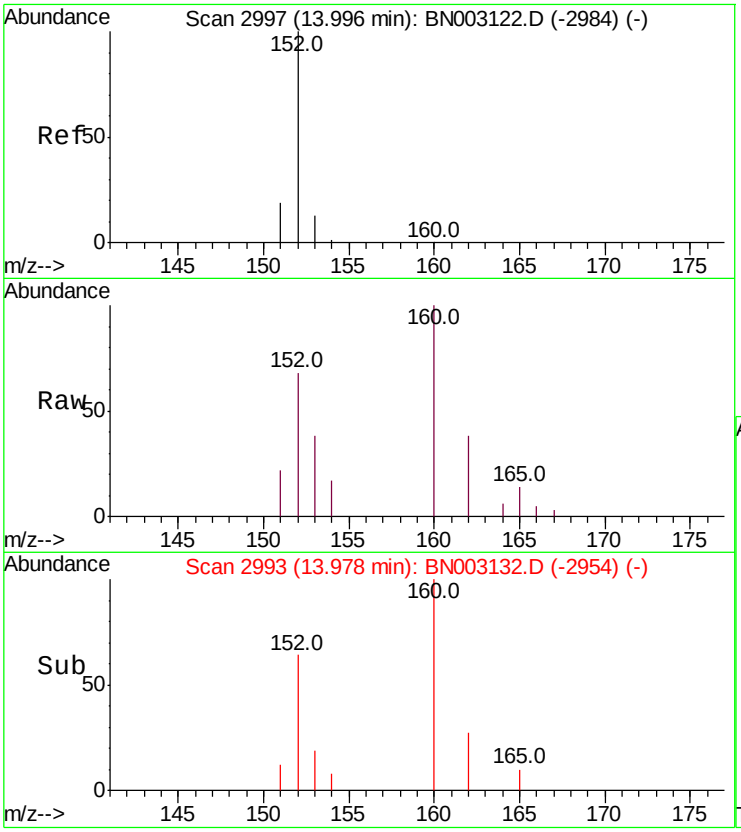




#5
2-Methylnaphthalene
Concen: 3.820 ng/ul
RT: 12.06 min Scan# 2624
Delta R.T. -0.03 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:142 Resp: 45710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 73.4 | 110.0 |






#7
Acenaphthylene
Concen: 0.206 ng/ul
RT: 13.98 min Scan# 2993
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:152 Resp: 3758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 32.0 | 16.5 | 24.7# |
| 153 | 55.7 | 11.4 | 17.2# |

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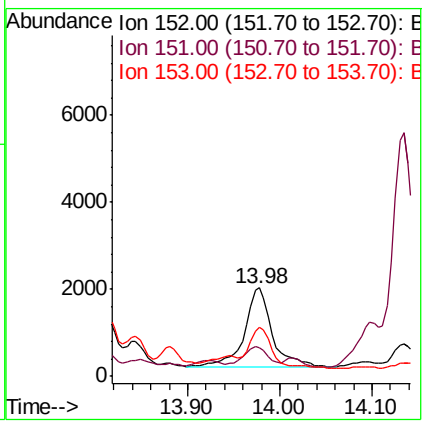
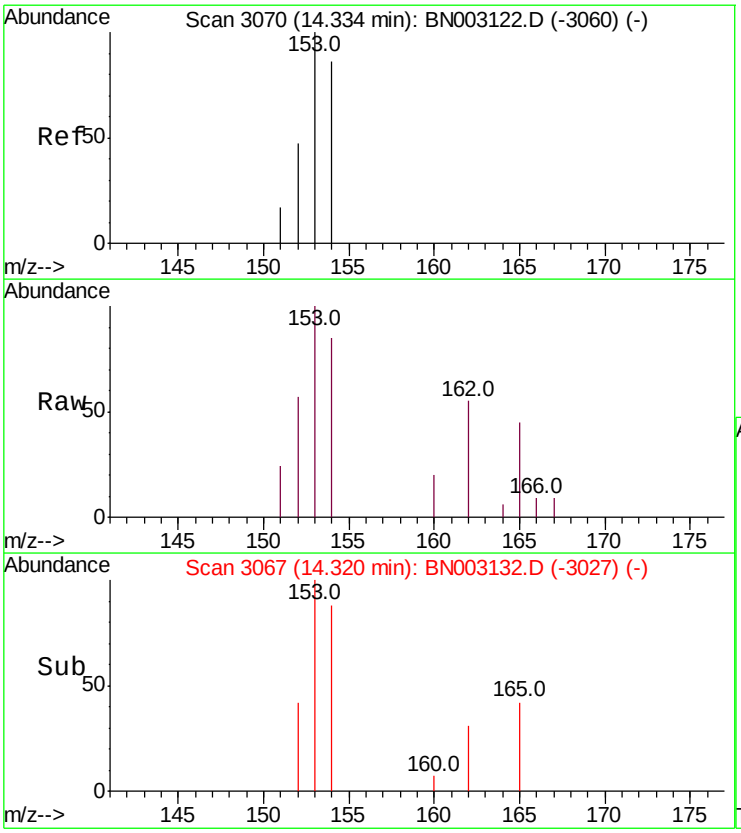
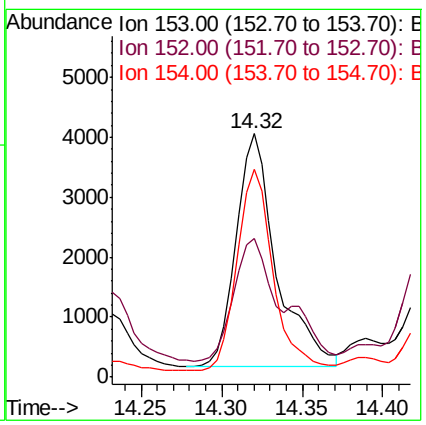


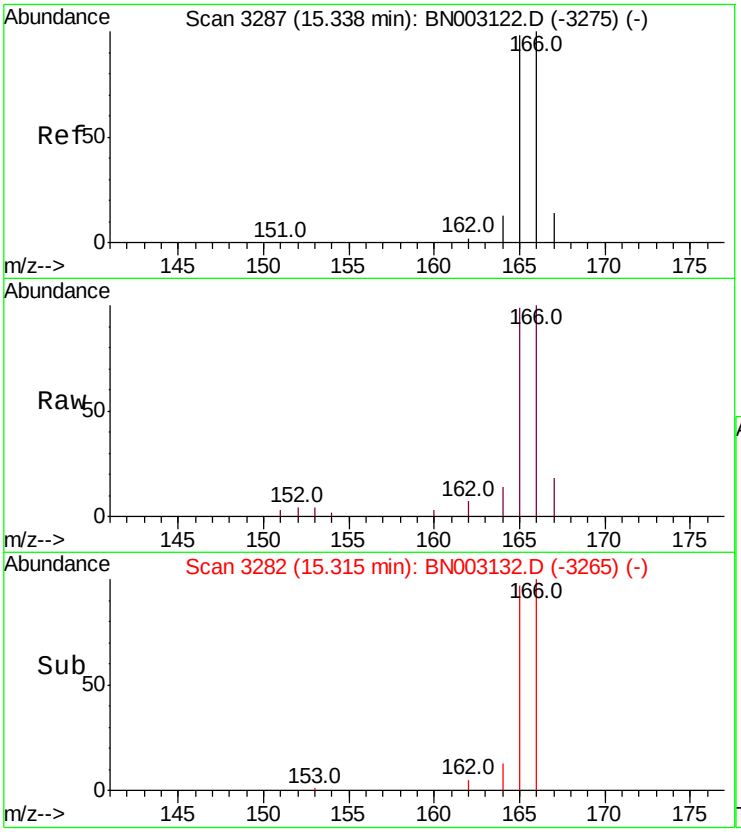




#8
Acenaphthene
Concen: 0.486 ng/ul
RT: 14.32 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:153 Resp: 6735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 57.1 | 38.2 | 57.4 |
| 154 | 85.2 | 70.2 | 105.2 |






#9
Fluorene
Concen: 1.866 ng/ul
RT: 15.31 min Scan# 3282
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:166 Resp: 29636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.5 | 78.5 | 117.7 |
| 167 | 17.6 | 11.6 | 17.4# |

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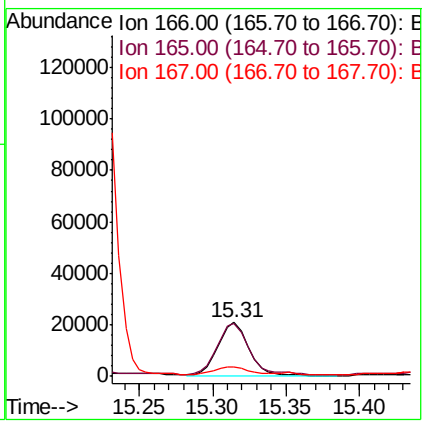
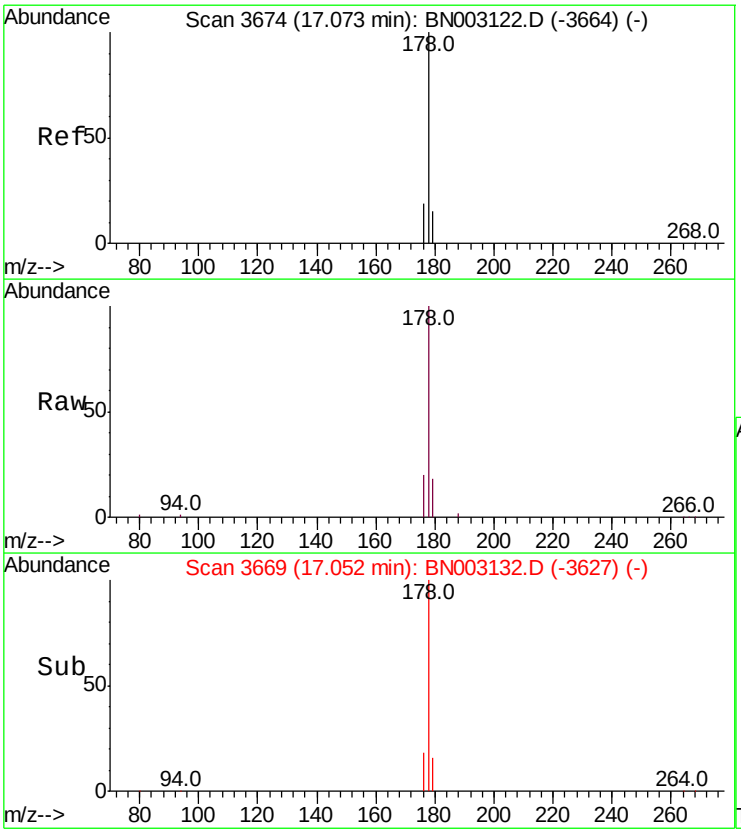
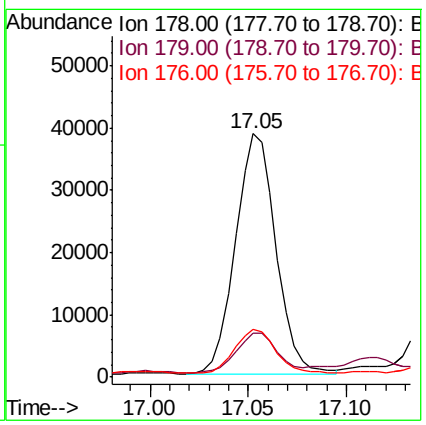


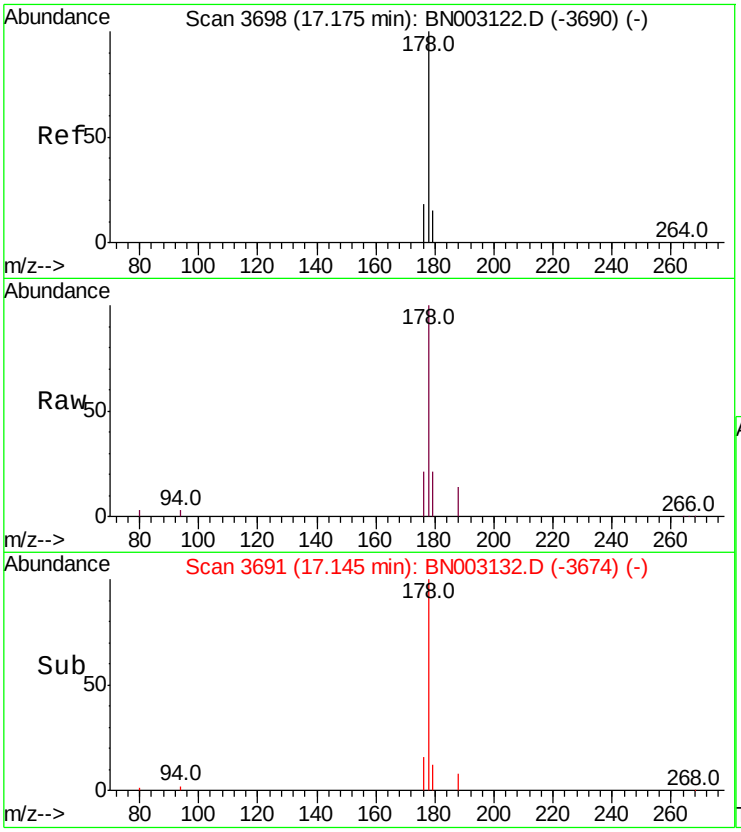




#12
Phenanthrene
Concen: 3.599 ng/ul
RT: 17.05 min Scan# 3669
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:178 Resp: 55394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.0 | 12.9 | 19.3 |
| 176 | 19.6 | 15.4 | 23.2 |

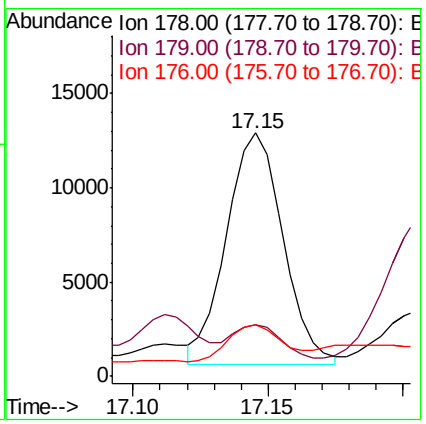





#13
Anthracene
Concen: 1.225 ng/ul m
RT: 17.15 min Scan# 3691
Delta R.T. -0.03 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:178 Resp: 17814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 21.4 | 13.0 | 19.6# |
| 176 | 21.3 | 15.3 | 22.9 |




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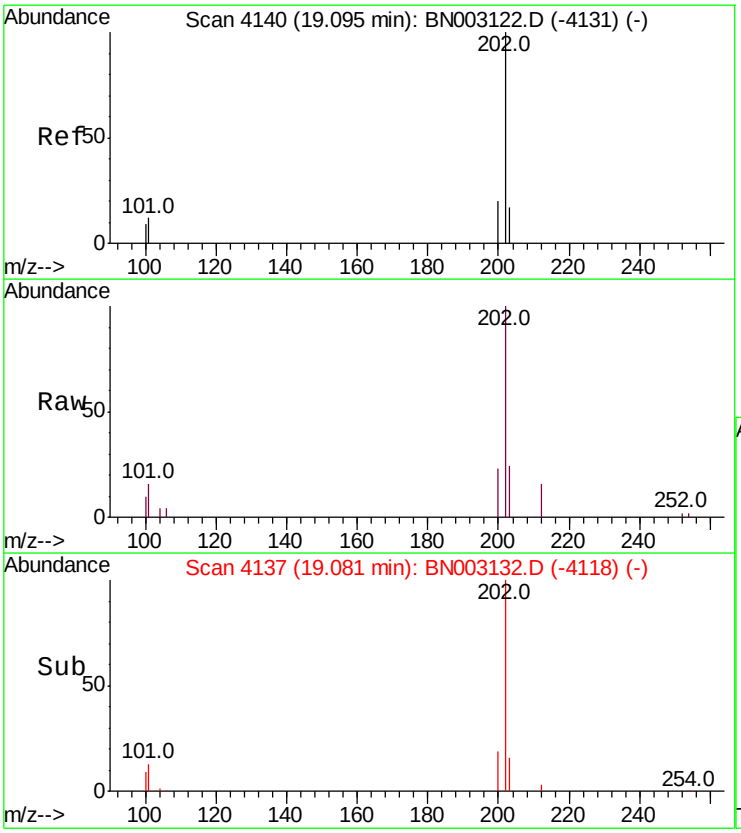
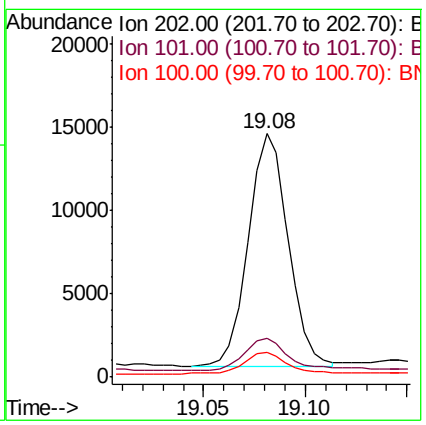
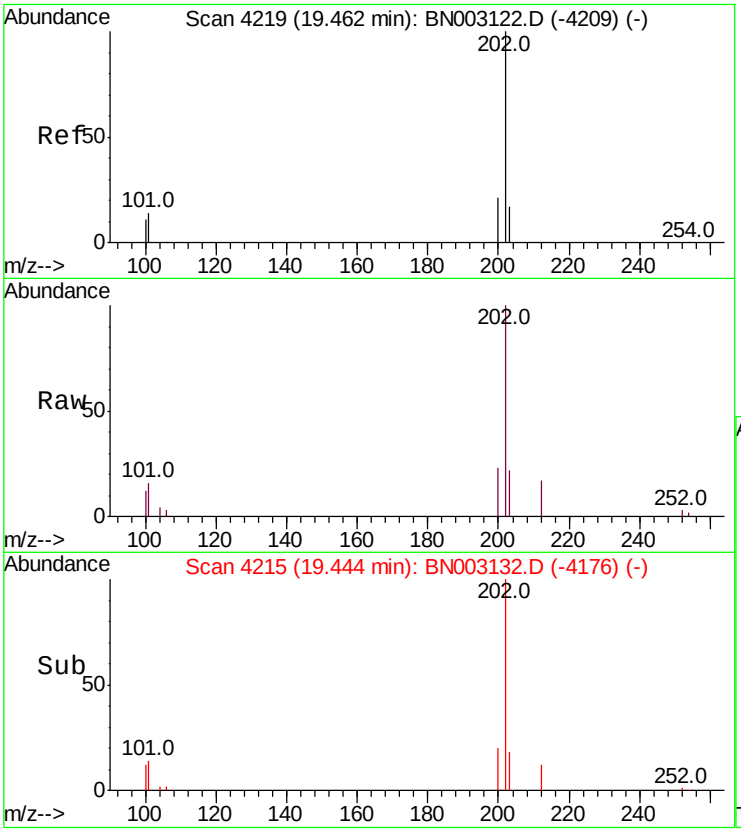



#15
Fluoranthene
Concen: 1.064 ng/ul m
RT: 19.08 min Scan# 4137
Delta R.T. -0.01 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:202 Resp: 19207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.0 | 0.0 | 32.3 |
| 100 | 10.0 | 0.0 | 29.1 |






#17
Pyrene
Concen: 1.588 ng/ul
RT: 19.44 min Scan# 4215
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:202 Resp: 30021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.9 | 11.9 | 17.9 |
| 100 | 12.3 | 9.9 | 14.9 |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK0

**Manual Integrations APPROVED**
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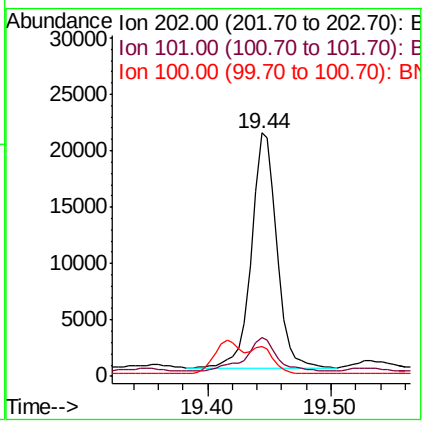
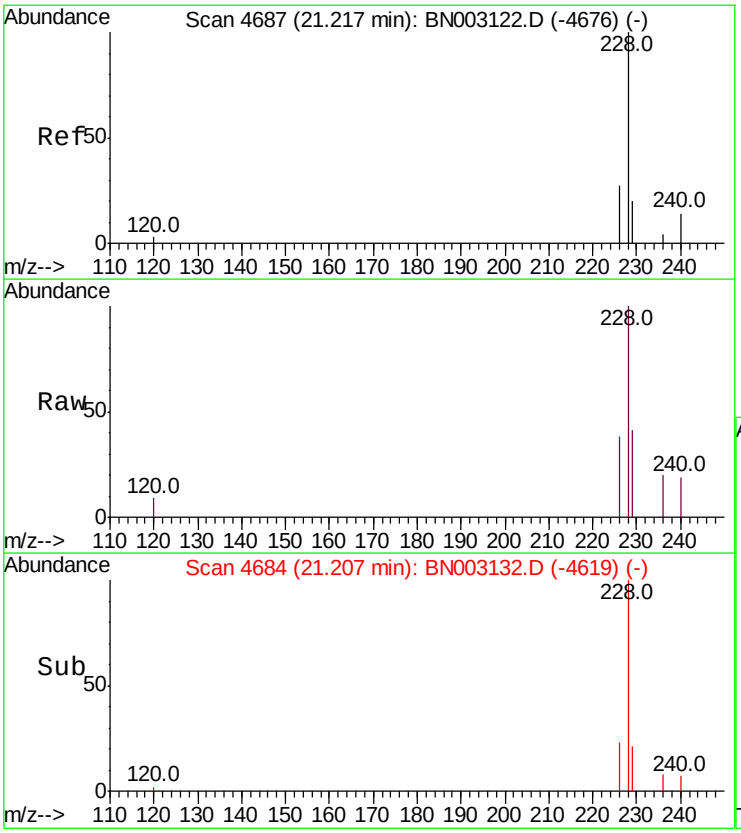
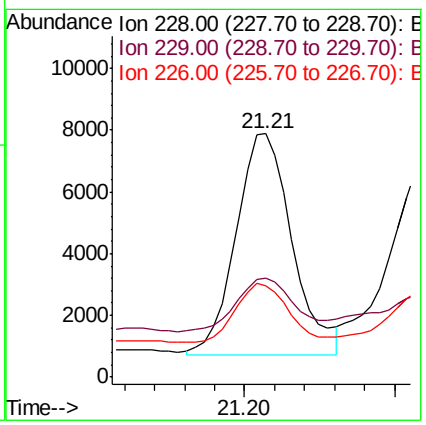


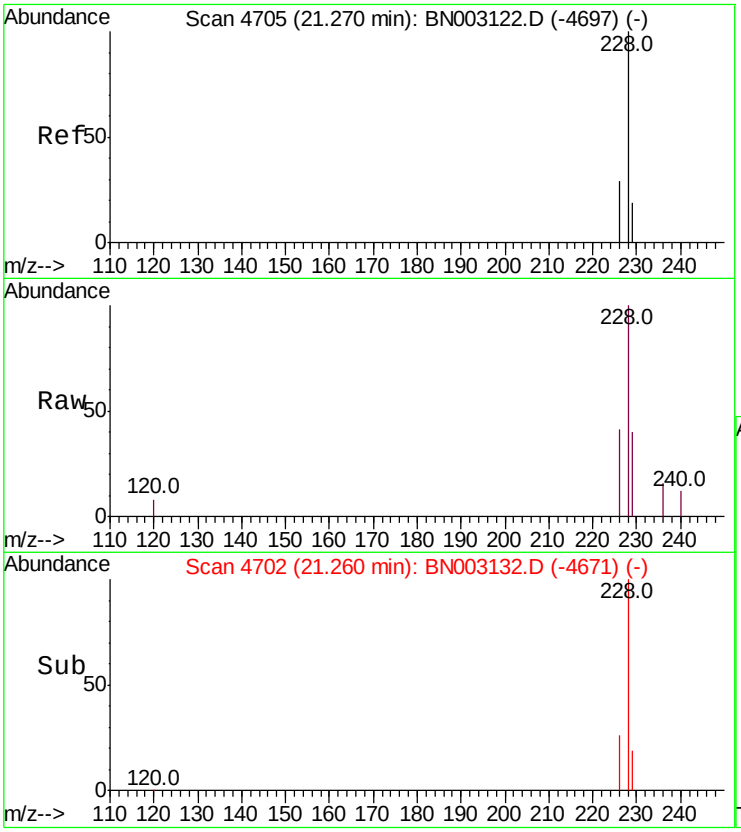




#18
Benzo(a)anthracene
Concen: 0.589 ng/ul m
RT: 21.21 min Scan# 4684
Delta R.T. -0.01 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:228 Resp: 9228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 40.7 | 16.2 | 24.2# |
| 226 | 37.6 | 22.3 | 33.5# |

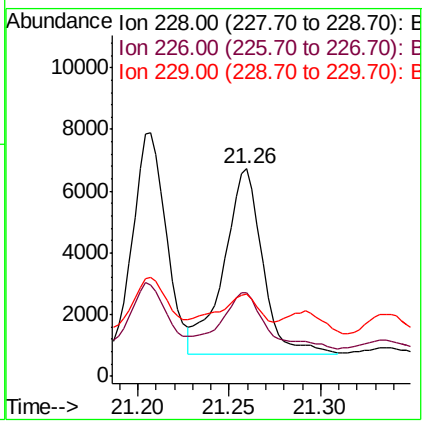





#19
Chrysene
Concen: 0.559 ng/ul m
RT: 21.26 min Scan# 4702
Delta R.T. -0.01 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:228 Resp: 8895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 40.6 | 24.2 | 36.4# |
| 229 | 39.7 | 16.7 | 25.1# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AK0

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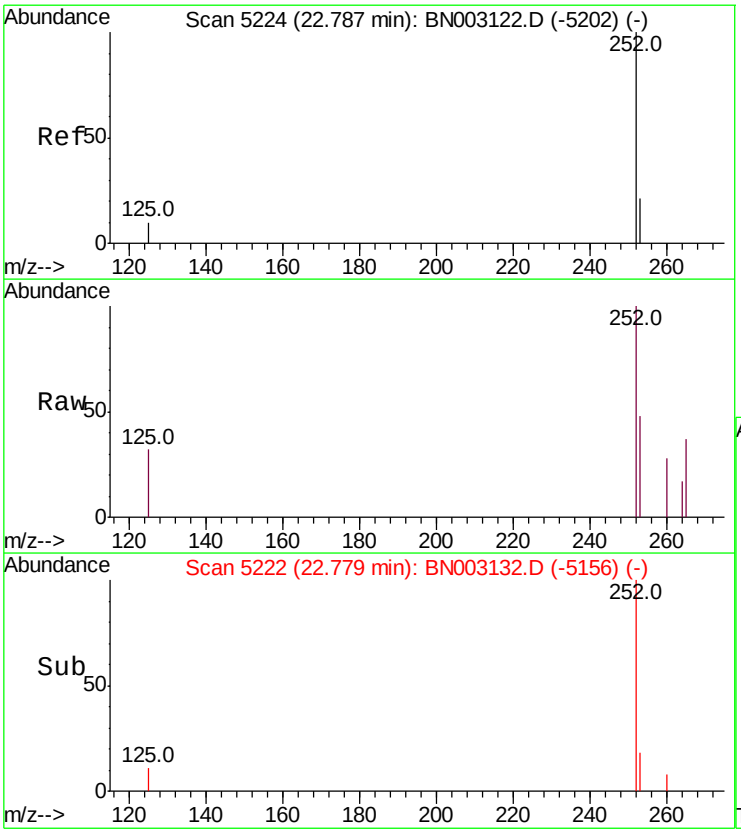
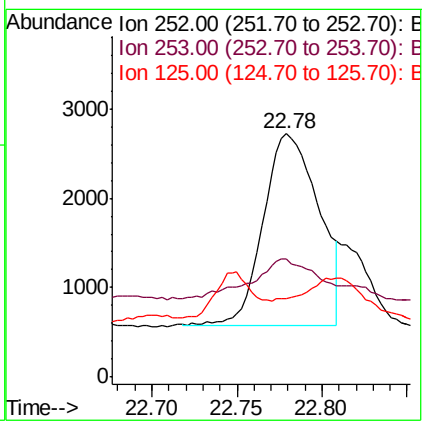
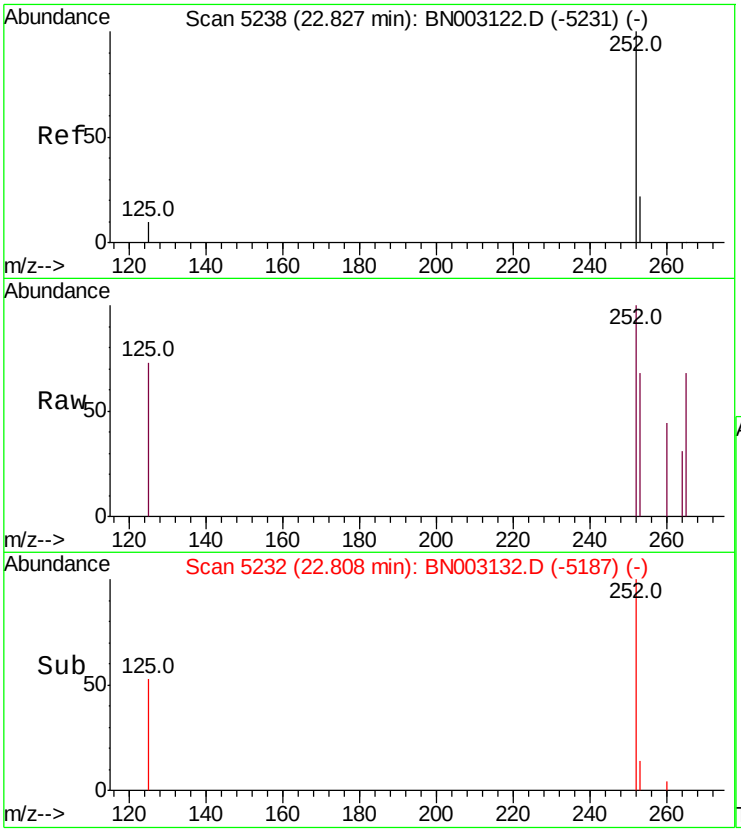



#21
Benzo(b)fluoranthene
Concen: 0.283 ng/ul m
RT: 22.78 min Scan# 5222
Delta R.T. -0.01 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:252 Resp: 4885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 48.3 | 0.0 | 53.2 |
| 125 | 32.2 | 0.0 | 34.2 |

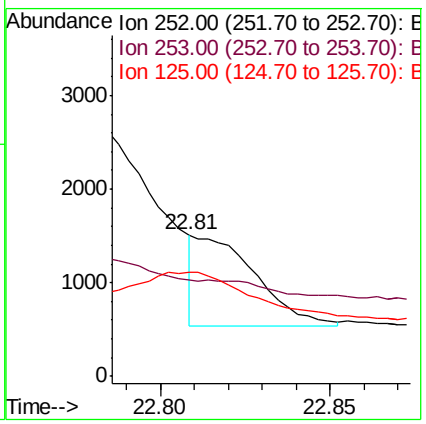





#22
Benzo(k)fluoranthene
Concen: 0.066 ng/ul m
RT: 22.81 min Scan# 5232
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:252 Resp: 1186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 67.7 | 21.3 | 31.9# |
| 125 | 73.1 | 14.1 | 21.1# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AK0

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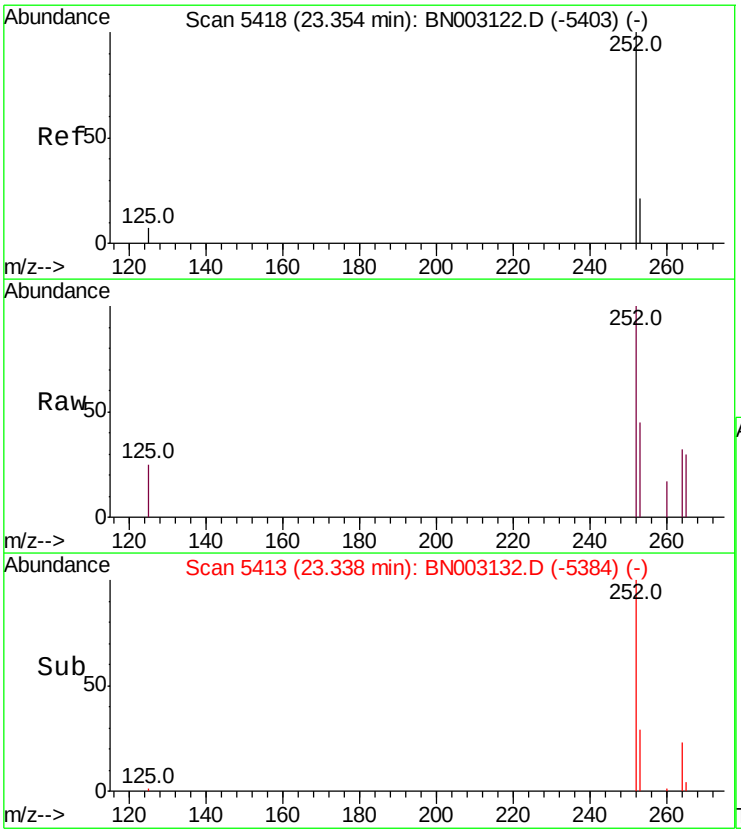
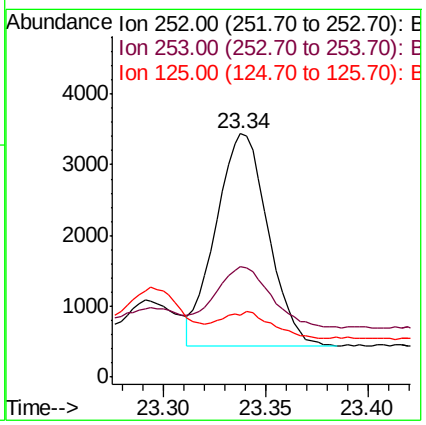
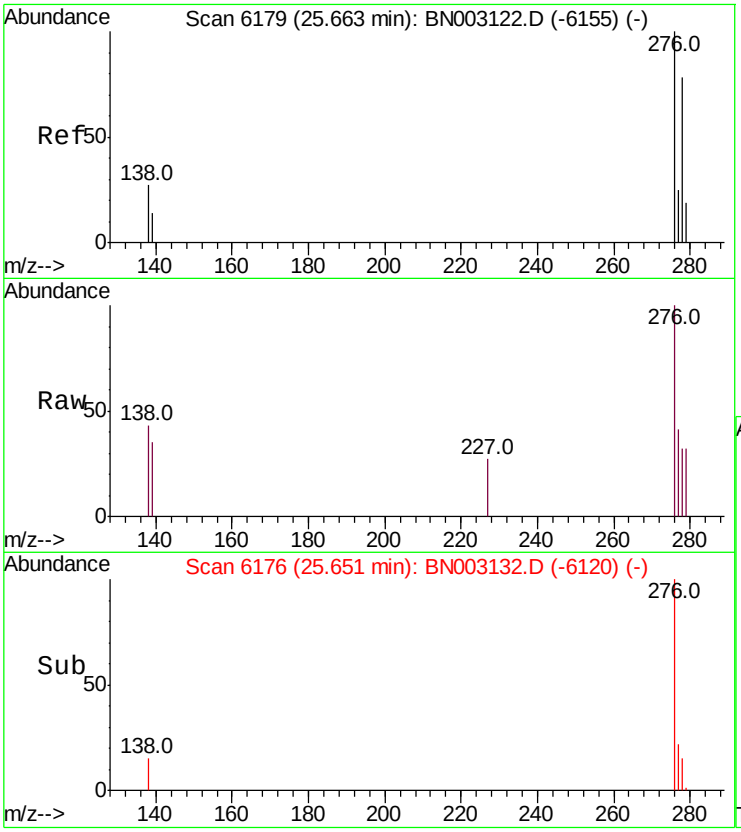



#23
Benzo(a)pyrene
Concen: 0.345 ng/ul
RT: 23.34 min Scan# 5413
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:252 Resp: 5341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 45.2 | 23.1 | 34.7# |
| 125 | 25.4 | 16.9 | 25.3# |

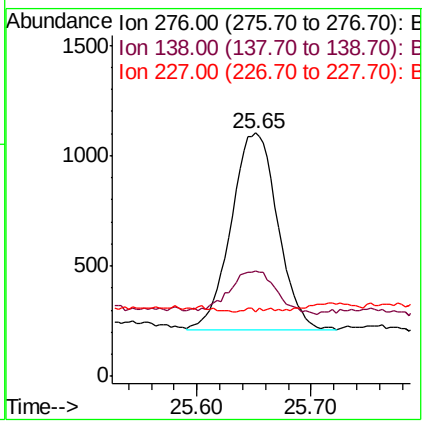





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.141 ng/ul
RT: 25.65 min Scan# 6176
Delta R.T. -0.01 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:276 Resp: 2515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.7 | 21.5 | 32.3 |
| 227 | 0.4 | 0.3 | 0.5 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AK0

**Manual Integrations APPROVED**
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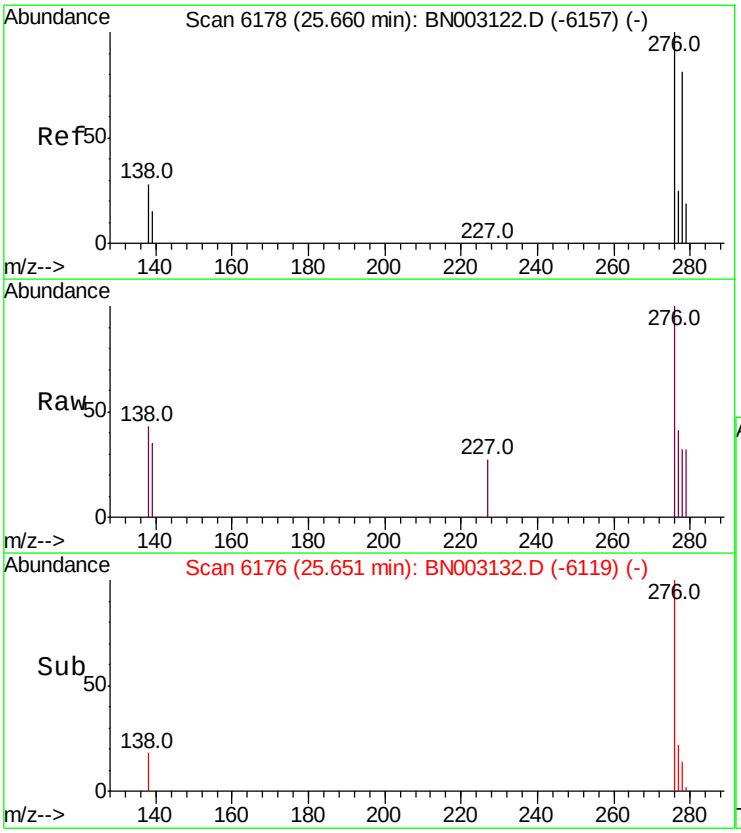
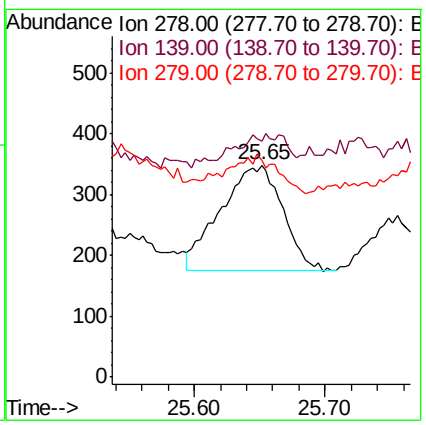
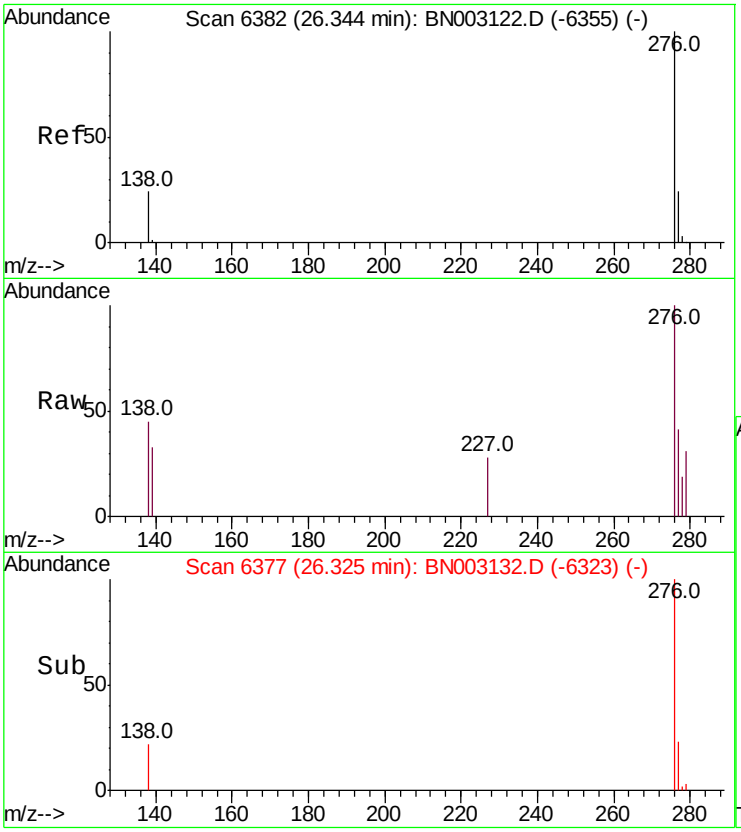



#25
Dibenzo(a,h)anthracene
Concen: 0.040 ng/ul
RT: 25.65 min Scan# 6176
Delta R.T. -0.01 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:278 Resp: 567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 111.5 | 20.2 | 30.4# |
| 279 | 102.6 | 23.8 | 35.8# |

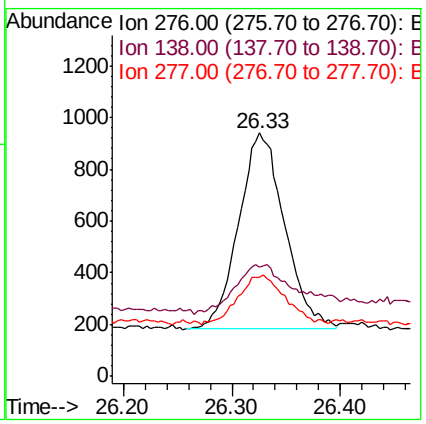





#26
Benzo(g,h,i)perylene
Concen: 0.149 ng/ul
RT: 26.33 min Scan# 6377
Delta R.T. -0.02 min
Lab File: BN003132.D
Acq: 12 Oct 2018 08:20

Tgt Ion:276 Resp: 2231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 44.6 | 23.0 | 34.4# |
| 277 | 40.8 | 22.0 | 33.0# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AK0

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:44 PM