Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101218\
Data File : BN003140.D
Acq On : 12 Oct 2018 15:41
Operator : MJ/SJ
Sample : J5295-04MSD
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 12 16:17:00 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 :**
A3YY3MSD

**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 | 1469 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.40 | 136 | 6223 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 3728 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 8138 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.23 | 240 | 5866 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.44 | 264 | 5242 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.00 | 152 | 3007 | 0.31 | ng/ul | -0.02 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 7137 | 0.31 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.45 | 128 | 12186 | 0.763 | ng/ul | 97 |
| 5) 2-Methylnaphthalene | 12.07 | 142 | 5972 | 0.543 | ng/ul | 97 |
| 7) Acenaphthylene | 13.98 | 152 | 19274 | 1.130 | ng/ul | 100 |
| 8) Acenaphthene | 14.32 | 153 | 16595 | 1.282 | ng/ul | 98 |
| 9) Fluorene | 15.32 | 166 | 17299 | 1.167 | ng/ul | 99 |
| 11) Pentachlorophenol | 16.71 | 266 | 186 | 0.236 | ng/ul | 88 |
| 12) Phenanthrene | 17.05 | 178 | 316363 | 13.946 | ng/ul | 99 |
| 13) Anthracene | 17.15 | 178 | 60211 | 2.810 | ng/ul | 99 |
| 15) Fluoranthene | 19.09 | 202 | 479985 | 18.035 | ng/ul | 98 |
| 17) Pyrene | 19.45 | 202 | 428835 | 18.822 | ng/ul | 97 |
| 18) Benzo(a)anthracene | 21.21 | 228 | 163738 | 8.674 | ng/ul | 99 |
| 19) Chrysene | 21.26 | 228 | 171304 | 8.937 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.79 | 252 | 180627m | 9.568 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.82 | 252 | 62651m | 3.201 | ng/ul | |
| 23) Benzo(a)pyrene | 23.35 | 252 | 118201 | 6.986 | ng/ul | 92 |
| 24) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 79494 | 4.089 | ng/ul# | 94 |
| 25) Dibenzo(a,h)anthracene | 25.65 | 278 | 21624 | 1.389 | ng/ul# | 83 |
| 26) Benzo(g,h,i)perylene | 26.33 | 276 | 74873 | 4.567 | ng/ul | 96 |

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

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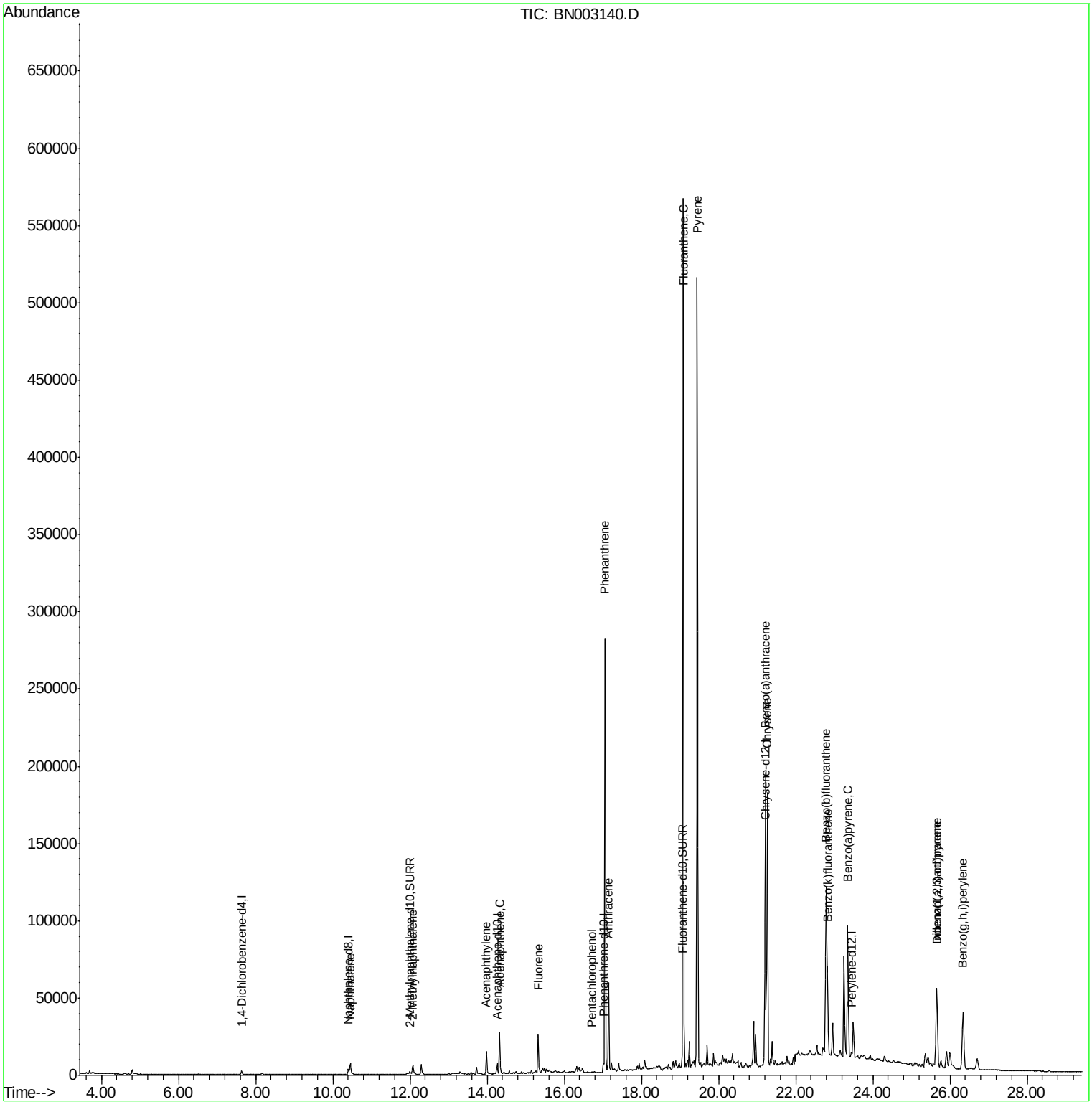
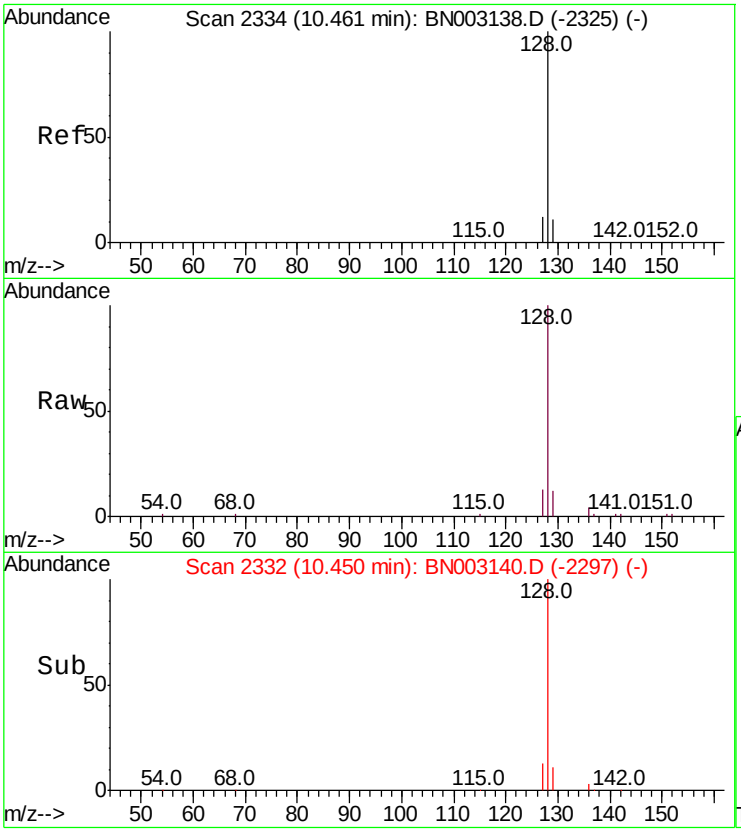
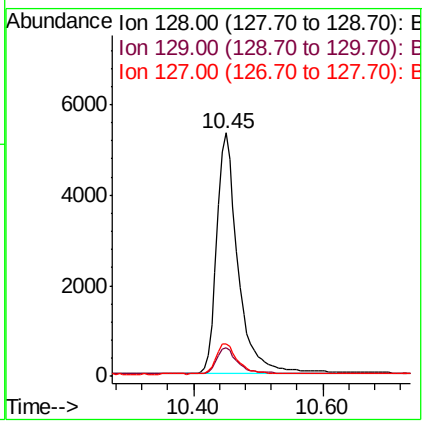





#3
Naphthalene
Concen: 0.763 ng/ul
RT: 10.45 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:128 Resp: 12186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.8 | 10.4 | 15.6 |
| 127 | 13.5 | 11.7 | 17.5 |




**Instrument :**
BNA_N
**ClientSampleId :**
A3YY3MSD

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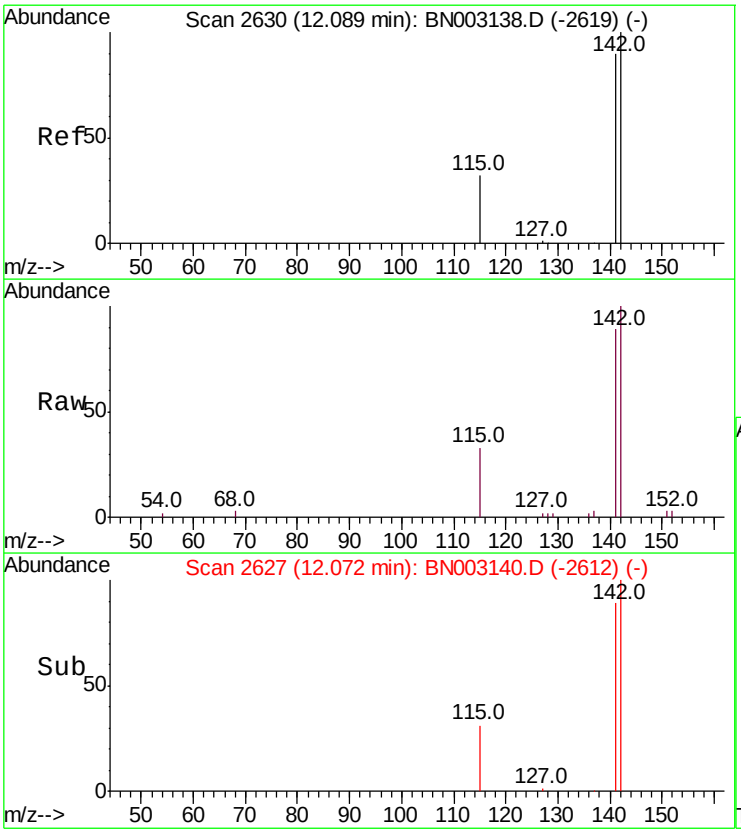
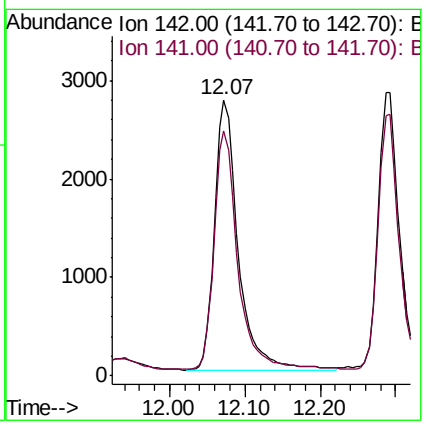
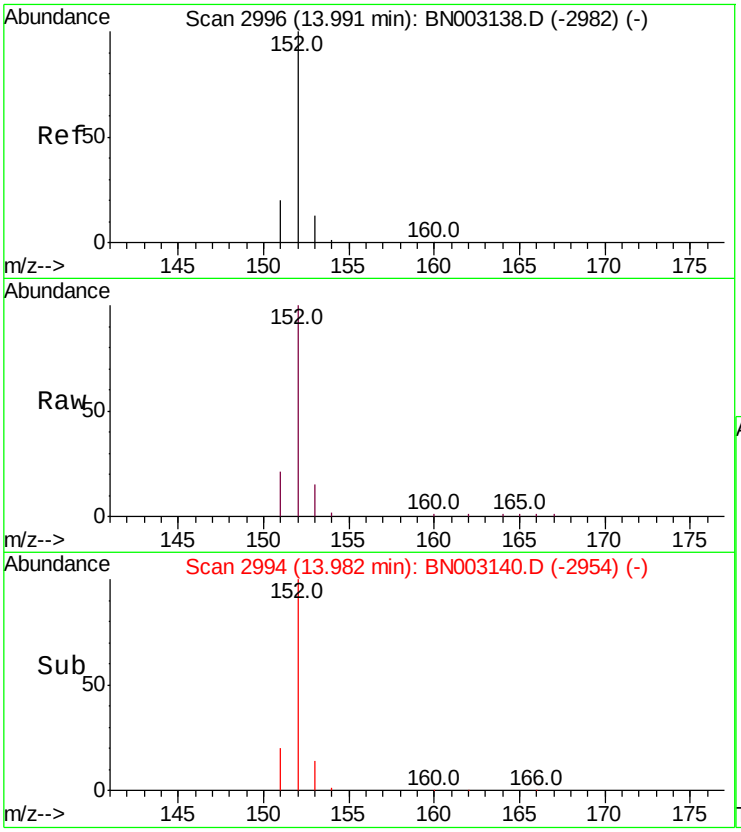



#5
2-Methylnaphthalene
Concen: 0.543 ng/ul
RT: 12.07 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:142 Resp: 5972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 73.4 | 110.0 |

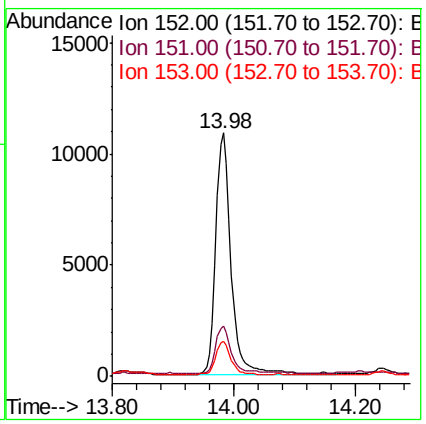





#7
Acenaphthylene
Concen: 1.130 ng/ul
RT: 13.98 min Scan# 2994
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:152 Resp: 19274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 16.5 | 24.7 |
| 153 | 14.5 | 11.4 | 17.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
A3YY3MSD

**Manual Integrations APPROVED**
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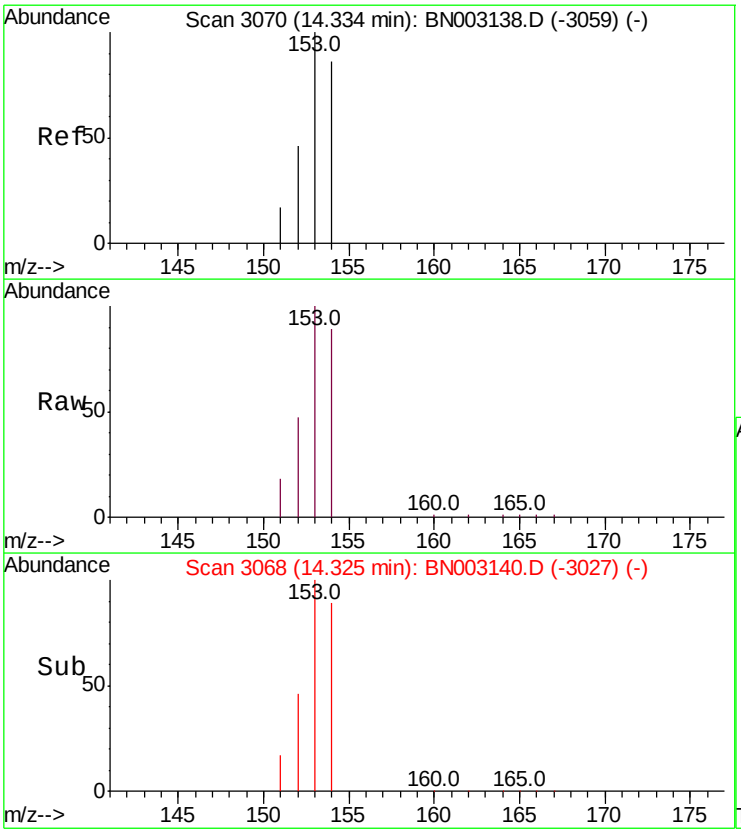
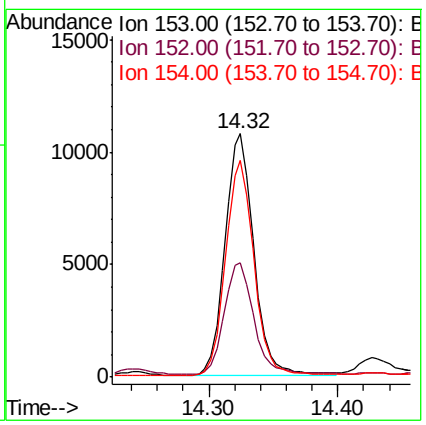
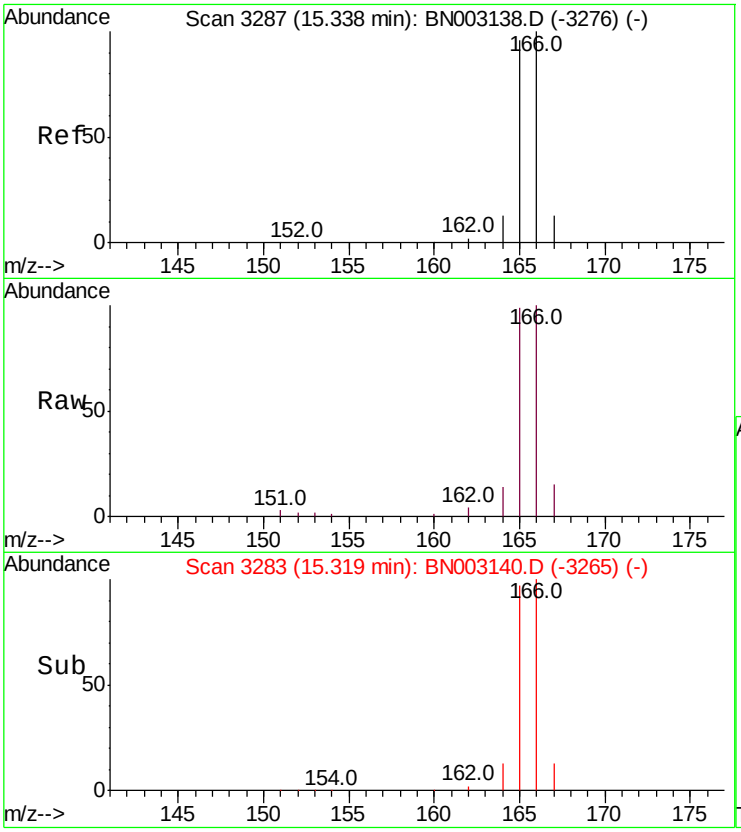



#8
Acenaphthene
Concen: 1.282 ng/ul
RT: 14.32 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:153 Resp: 16595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.0 | 38.2 | 57.4 |
| 154 | 89.2 | 70.2 | 105.2 |

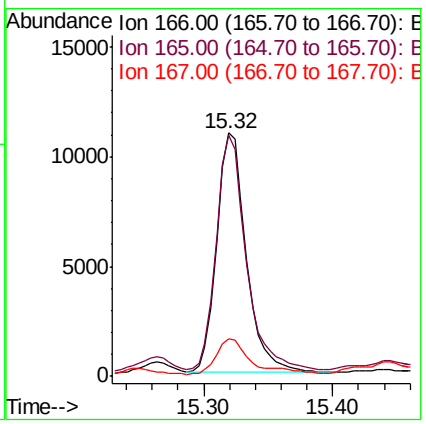





#9
Fluorene
Concen: 1.167 ng/ul
RT: 15.32 min Scan# 3283
Delta R.T. -0.02 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:166 Resp: 17299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 78.5 | 117.7 |
| 167 | 15.3 | 11.6 | 17.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
A3YY3MSD

**Manual Integrations APPROVED**
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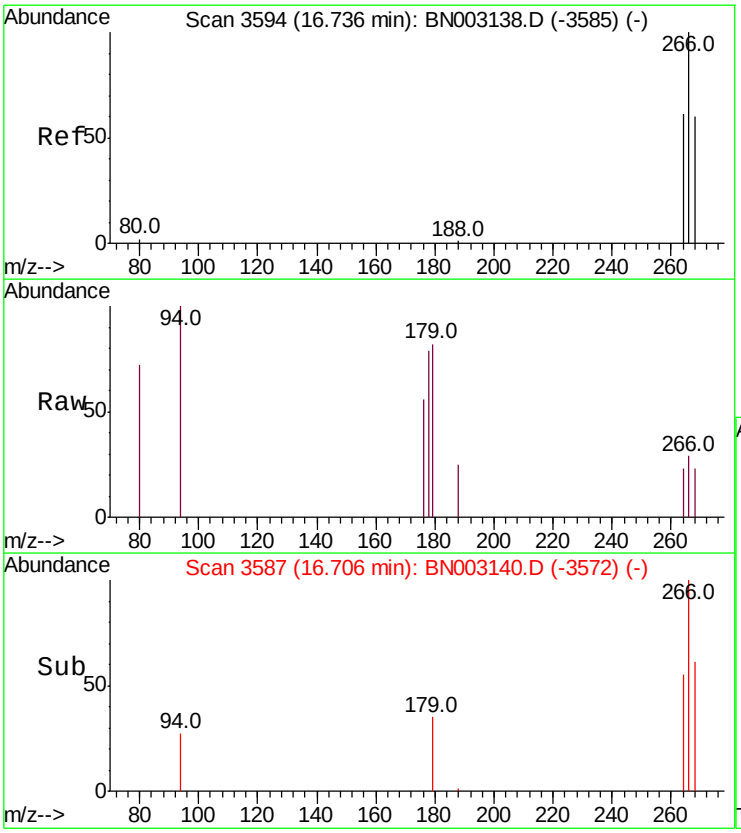
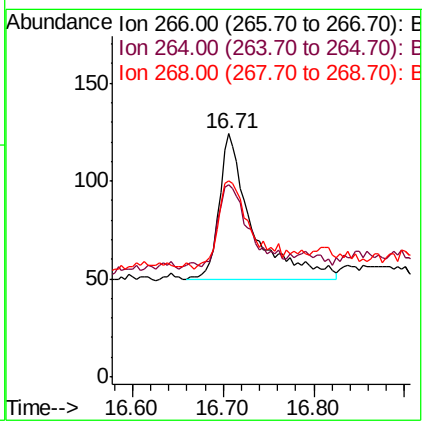
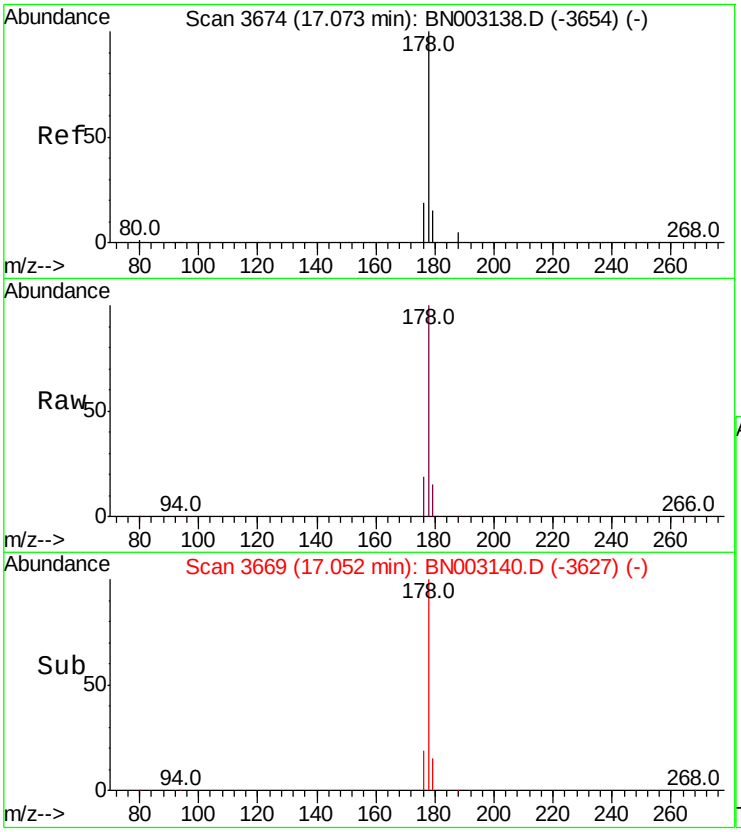



#11
Pentachlorophenol
Concen: 0.236 ng/ul
RT: 16.71 min Scan# 3587
Delta R.T. -0.04 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:266 Resp: 186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 54.8 | 52.5 | 78.7 |
| 268 | 68.8 | 48.6 | 72.8 |

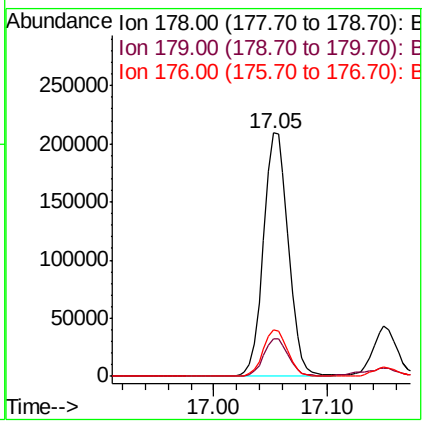





#12
Phenanthrene
Concen: 13.946 ng/ul
RT: 17.05 min Scan# 3669
Delta R.T. -0.02 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:178 Resp: 316363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.9 | 19.3 |
| 176 | 18.9 | 15.4 | 23.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
A3YY3MSD

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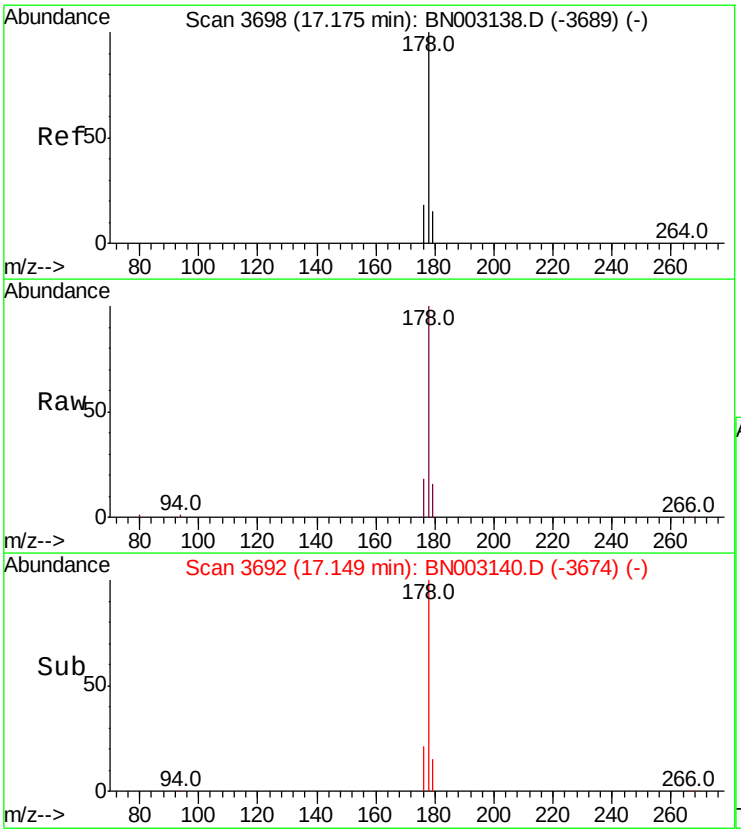
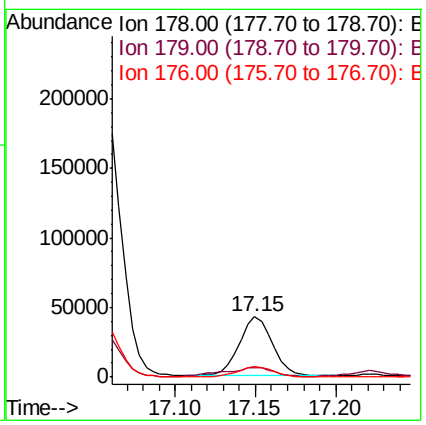
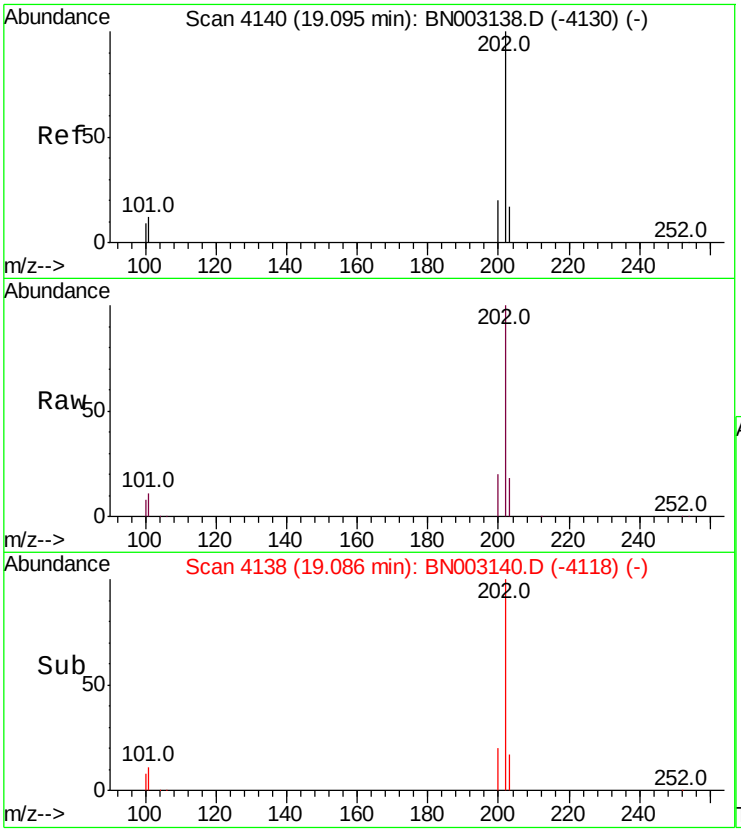



#13
Anthracene
Concen: 2.810 ng/ul
RT: 17.15 min Scan# 3692
Delta R.T. -0.03 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:178 Resp: 60211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 13.0 | 19.6 |
| 176 | 18.5 | 15.3 | 22.9 |

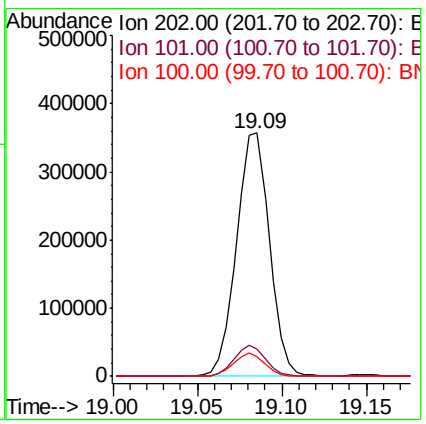





#15
Fluoranthene
Concen: 18.035 ng/ul
RT: 19.09 min Scan# 4138
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:202 Resp: 479985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.3 |
| 100 | 8.3 | 0.0 | 29.1 |

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**ClientSampleId :**
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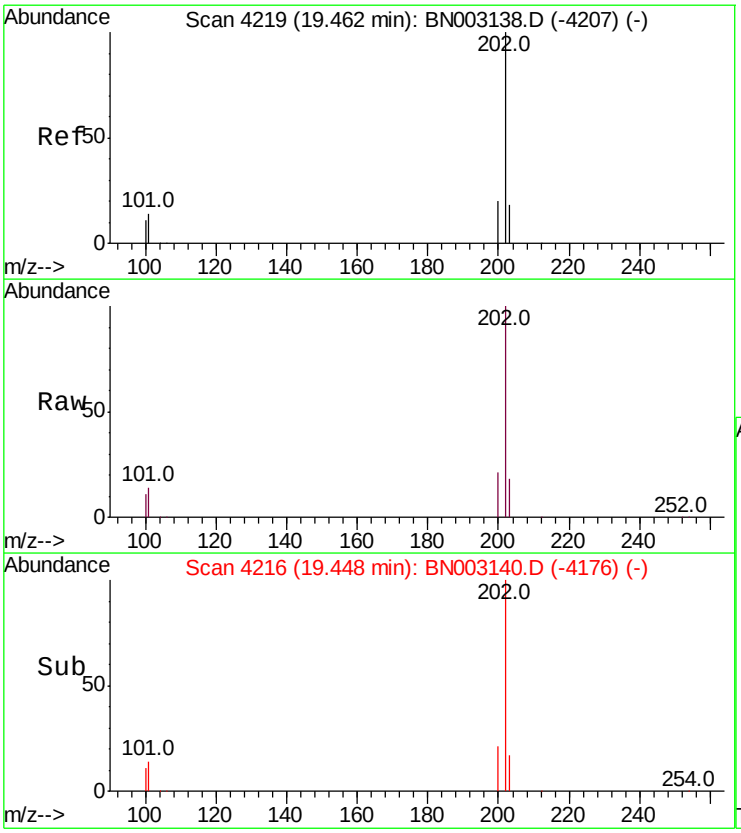
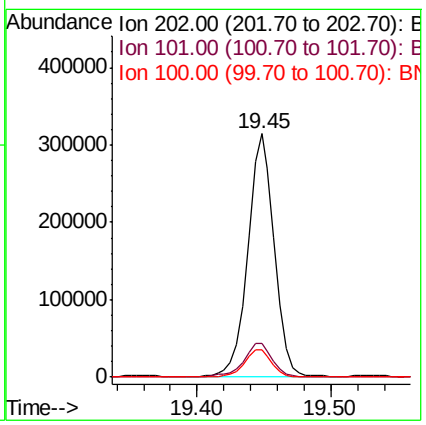
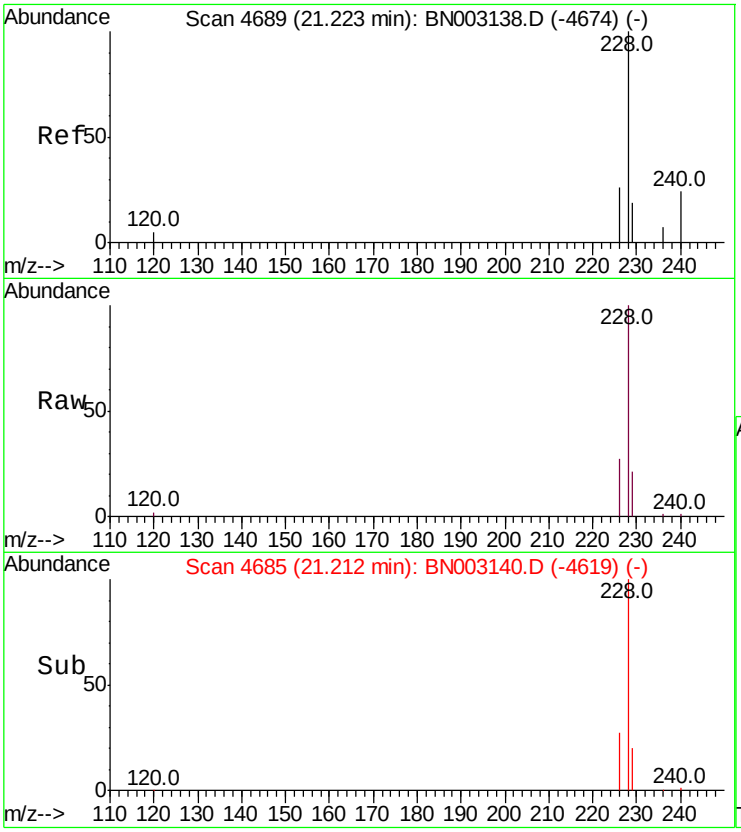



#17
Pyrene
Concen: 18.822 ng/ul
RT: 19.45 min Scan# 4216
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:202 Resp: 428835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.9 | 11.9 | 17.9 |
| 100 | 11.1 | 9.9 | 14.9 |

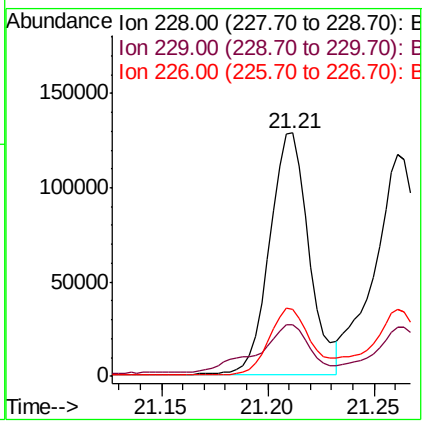





#18
Benzo(a)anthracene
Concen: 8.674 ng/ul
RT: 21.21 min Scan# 4685
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:228 Resp: 163738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.1 | 16.2 | 24.2 |
| 226 | 27.4 | 22.3 | 33.5 |




**Instrument :**
BNA_N
**ClientSampleId :**
A3YY3MSD

**Manual Integrations APPROVED**
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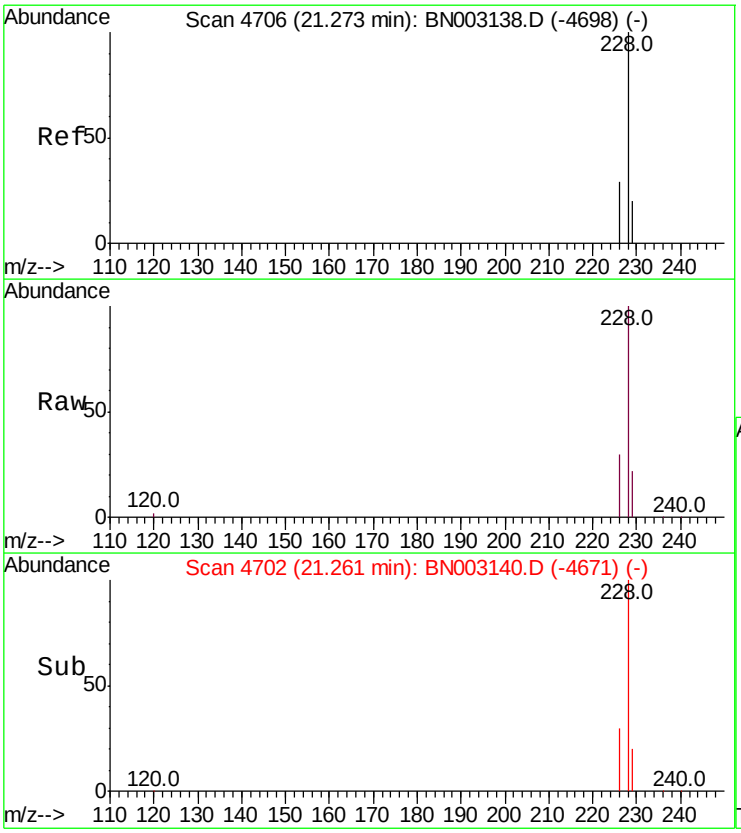
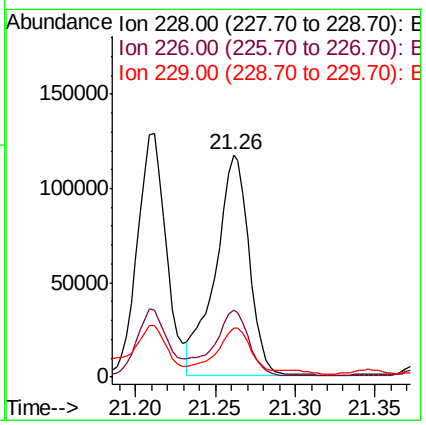
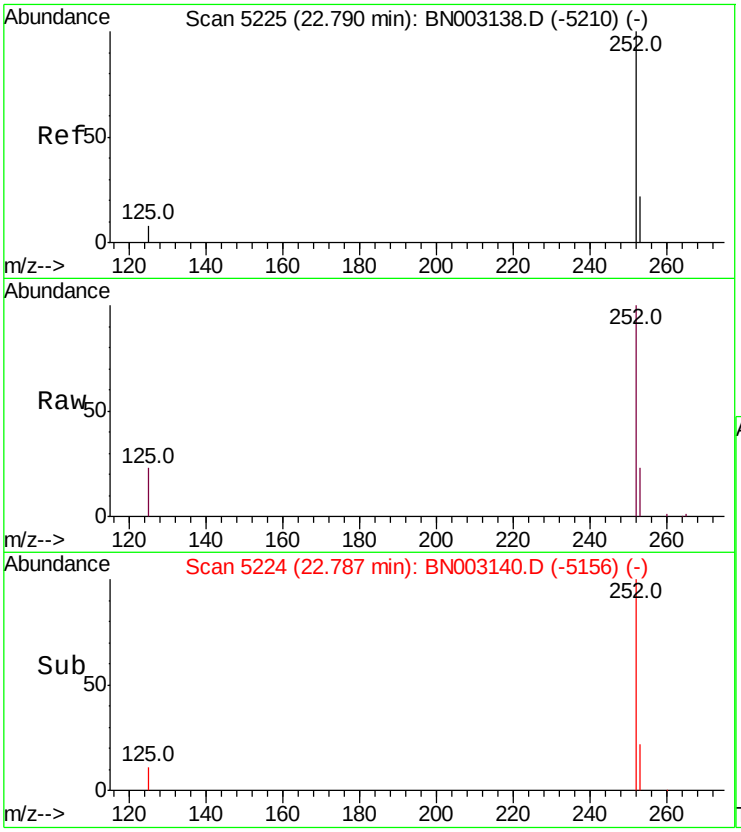



#19
Chrysene
Concen: 8.937 ng/ul
RT: 21.26 min Scan# 4702
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:228 Resp: 171304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.2 | 36.4 |
| 229 | 22.3 | 16.7 | 25.1 |






#21
Benzo(b)fluoranthene
Concen: 9.568 ng/ul m
RT: 22.79 min Scan# 5224
Delta R.T. 0.00 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:252 Resp: 180627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 0.0 | 53.2 |
| 125 | 23.2 | 0.0 | 34.2 |

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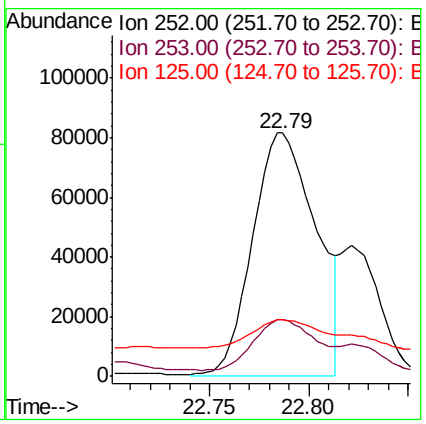
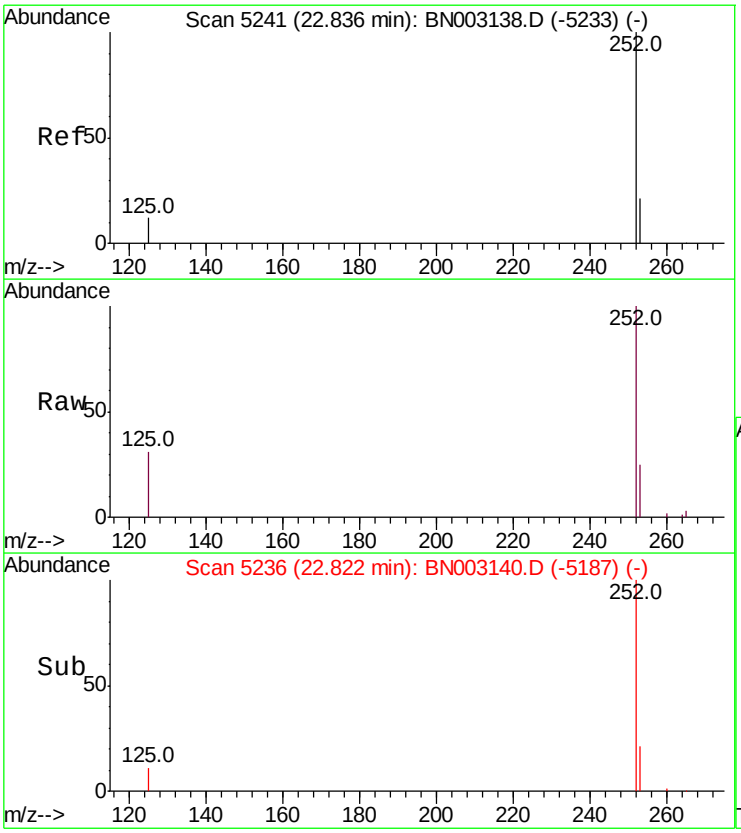
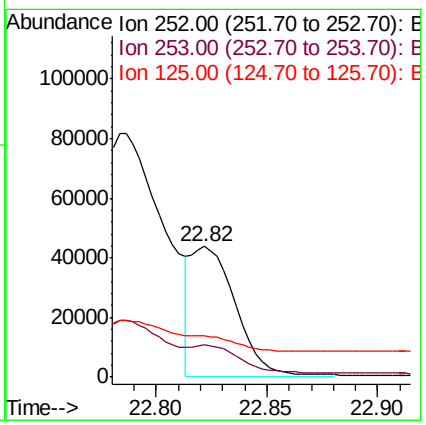


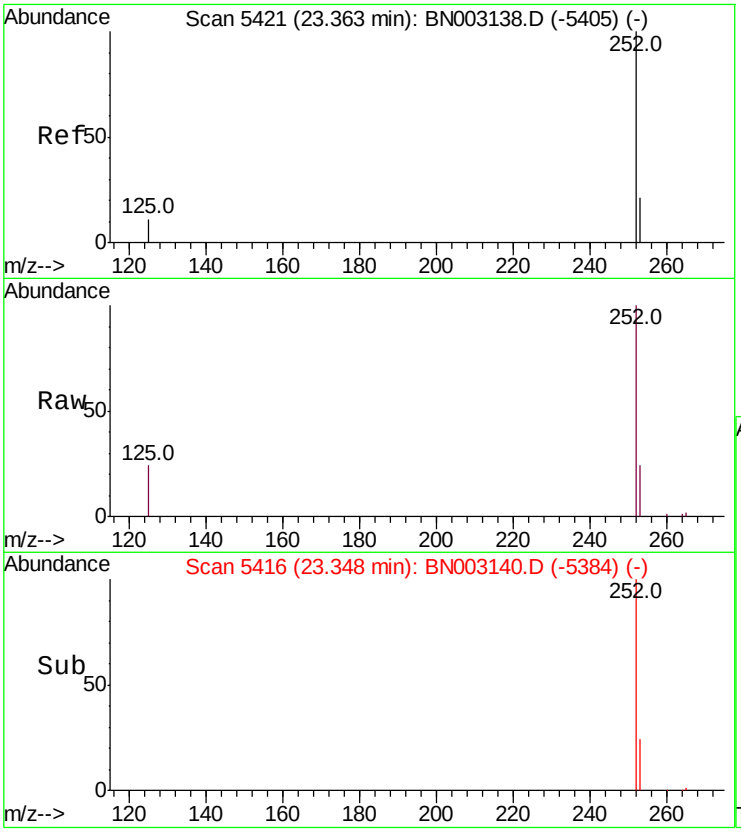




#22
Benzo(k)fluoranthene
Concen: 3.201 ng/ul m
RT: 22.82 min Scan# 5236
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:252 Resp: 62651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 21.3 | 31.9 |
| 125 | 31.3 | 14.1 | 21.1# |

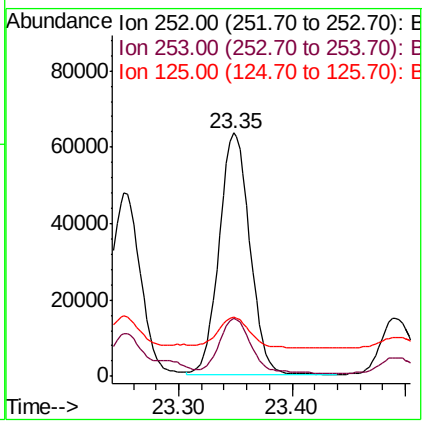





#23
Benzo(a)pyrene
Concen: 6.986 ng/ul
RT: 23.35 min Scan# 5416
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:252 Resp: 118201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 23.1 | 34.7 |
| 125 | 24.1 | 16.9 | 25.3 |




**Instrument :**
BNA_N
**ClientSampleId :**
A3YY3MSD

**Manual Integrations APPROVED**
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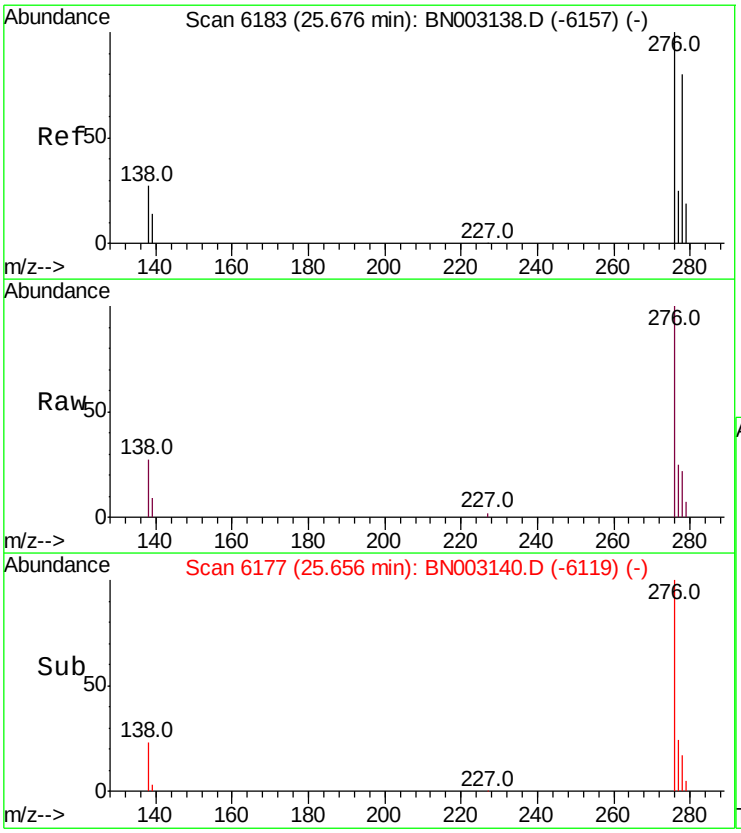
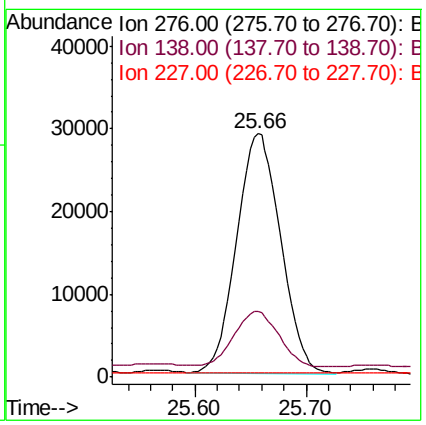
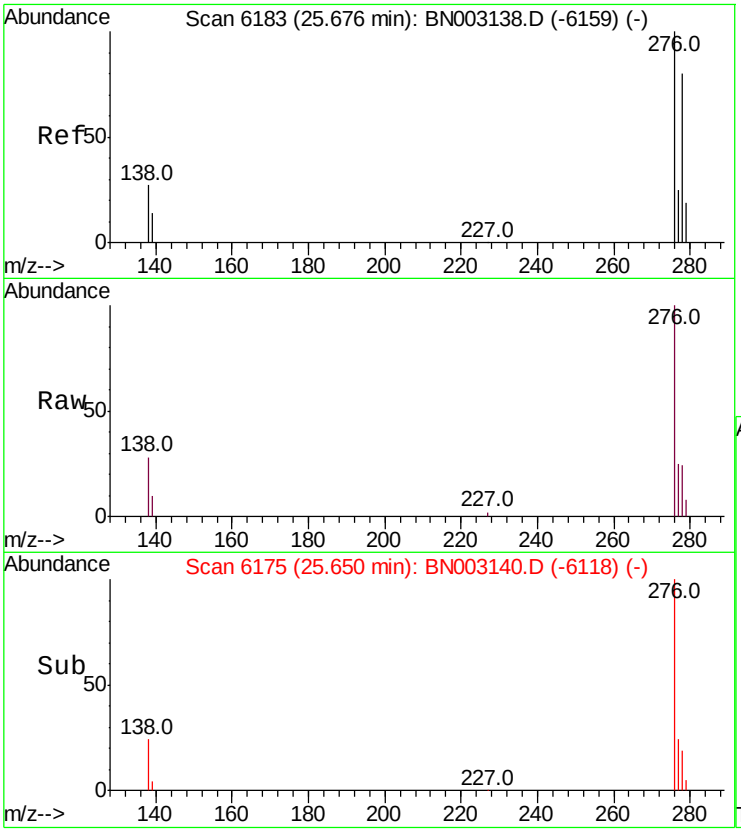



#24
Indeno(1,2,3-cd)pyrene
Concen: 4.089 ng/ul
RT: 25.66 min Scan# 6177
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:276 Resp: 79494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.0 | 21.5 | 32.3 |
| 227 | 0.1 | 0.3 | 0.5# |





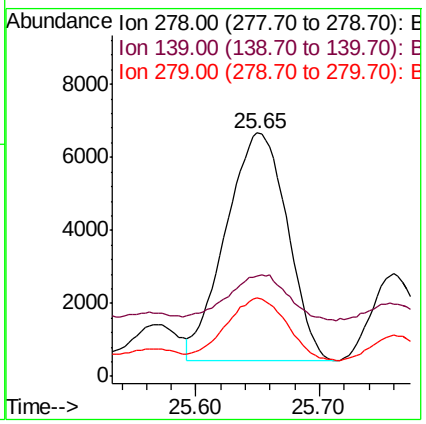

#25
Dibenzo(a,h)anthracene
Concen: 1.389 ng/ul
RT: 25.65 min Scan# 6175
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

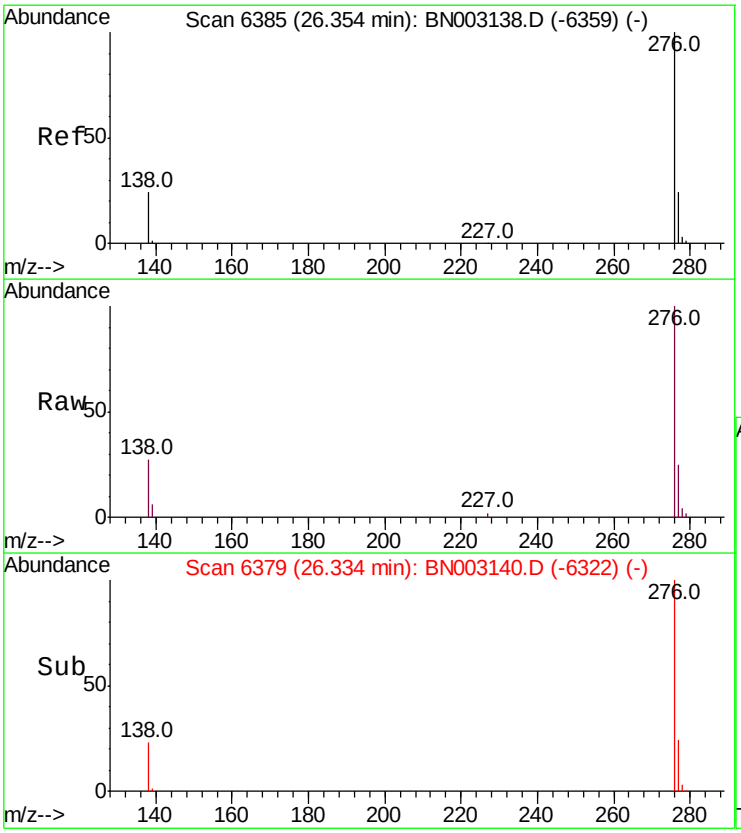
Tgt Ion:278 Resp: 21624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 41.2 | 20.2 | 30.4# |
| 279 | 32.2 | 23.8 | 35.8 |

**Instrument :**
BNA_N
**ClientSampleId :**
A3YY3MSD

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:51 PM




#26
Benzo(g,h,i)perylene
Concen: 4.567 ng/ul
RT: 26.33 min Scan# 6379
Delta R.T. -0.01 min
Lab File: BN003140.D
Acq: 12 Oct 2018 15:41

Tgt Ion:276 Resp: 74873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.9 | 23.0 | 34.4 |
| 277 | 24.9 | 22.0 | 33.0 |