Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\
Data File : BN004017.D
Acq On : 17 Dec 2018 04:13
Operator : JU/SJ
Sample : J6229-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9F05

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Sohil
12/17/2018 4:28:25 PM

Quant Time: Dec 17 07:43:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 06:22:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 2165 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.63 | 136 | 10784 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.47 | 164 | 6418 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.22 | 188 | 16264m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.40 | 240 | 18740m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.72 | 264 | 16773m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.22 | 152 | 3335 | 0.20 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.24 | 212 | 10342m | 0.22 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.68 | 128 | 1771 | 0.058 | ng/ul# | 87 |
| 5) 2-Methylnaphthalene | 12.29 | 142 | 1767 | 0.084 | ng/ul | 98 |
| 7) Acenaphthylene | 14.19 | 152 | 4188 | 0.145 | ng/ul | 96 |
| 8) Acenaphthene | 14.53 | 153 | 700 | 0.028 | ng/ul | 96 |
| 9) Fluorene | 15.52 | 166 | 852 | 0.029 | ng/ul# | 93 |
| 12) Phenanthrene | 17.26 | 178 | 34796m | 0.652 | ng/ul | |
| 13) Anthracene | 17.35 | 178 | 7098m | 0.162 | ng/ul | |
| 15) Fluoranthene | 19.27 | 202 | 67688m | 1.074 | ng/ul | |
| 17) Pyrene | 19.64 | 202 | 75125m | 1.118 | ng/ul | |
| 18) Benzo(a)anthracene | 21.38 | 228 | 48254m | 0.815 | ng/ul | |
| 19) Chrysene | 21.43 | 228 | 60942m | 0.900 | ng/ul | |
| 21) Benzo(b)fluoranthene | 23.01 | 252 | 65927m | 0.950 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.06 | 252 | 24348m | 0.360 | ng/ul | |
| 23) Benzo(a)pyrene | 23.62 | 252 | 42496m | 0.707 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.07 | 276 | 31582m | 0.458 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 26.08 | 278 | 10446m | 0.188 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.80 | 276 | 32218m | 0.538 | ng/ul | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\
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Acq On : 17 Dec 2018 04:13
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Sample : J6229-07
Misc :
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**Instrument :**
BNA_N
**ClientSampleId :**
F9F05

**Manual Integrations APPROVED**
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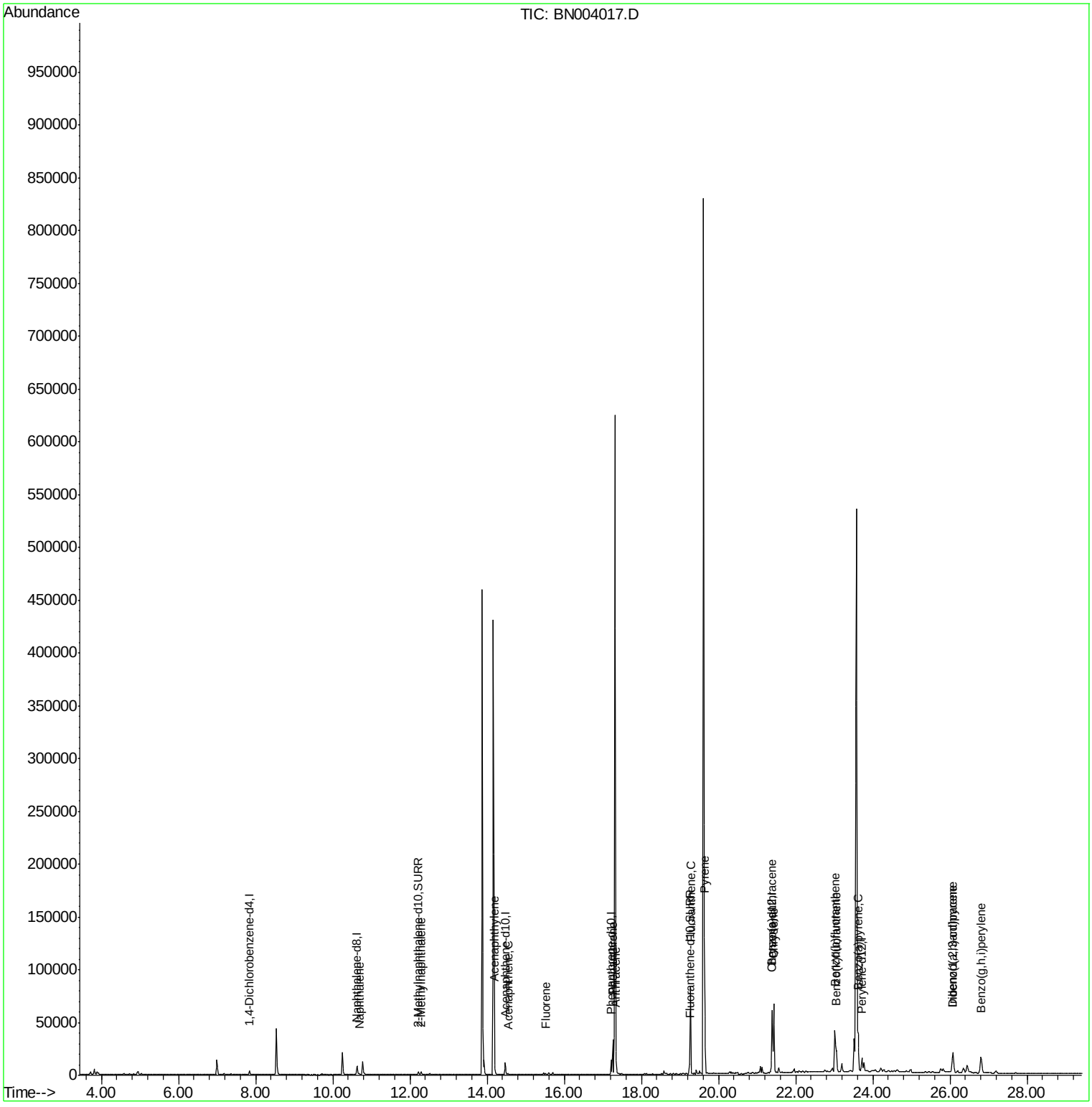

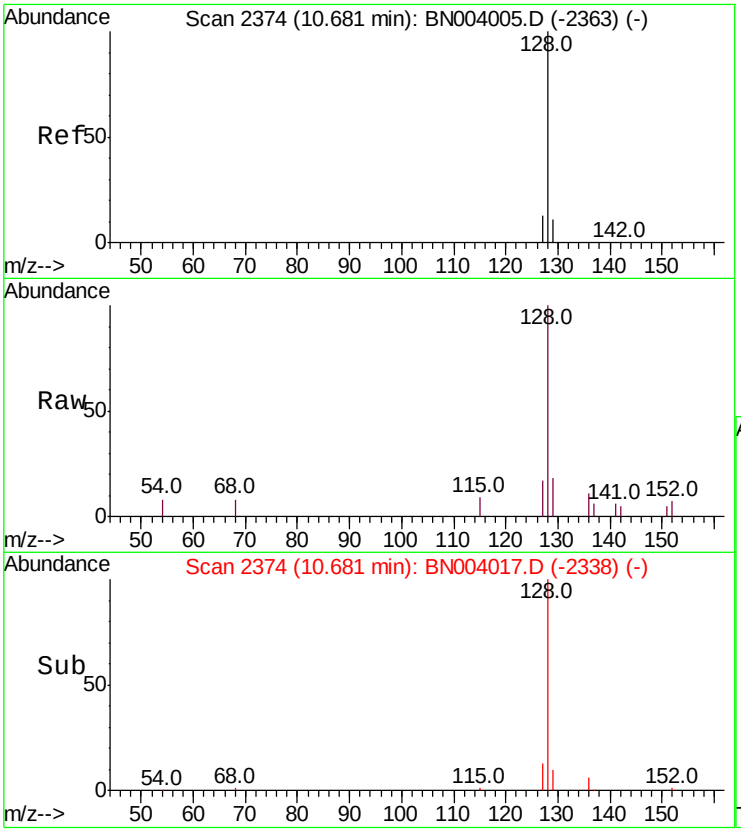


#3
Naphthalene
Concen: 0.058 ng/ul
RT: 10.68 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:128 Resp: 1771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 17.6 | 9.0 | 13.6# |
| 127 | 17.2 | 10.5 | 15.7# |

**Instrument :**
BNA_N
**ClientSampleId :**
F9F05

**Manual Integrations APPROVED**
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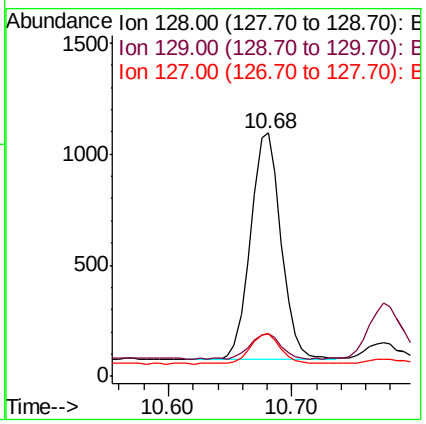
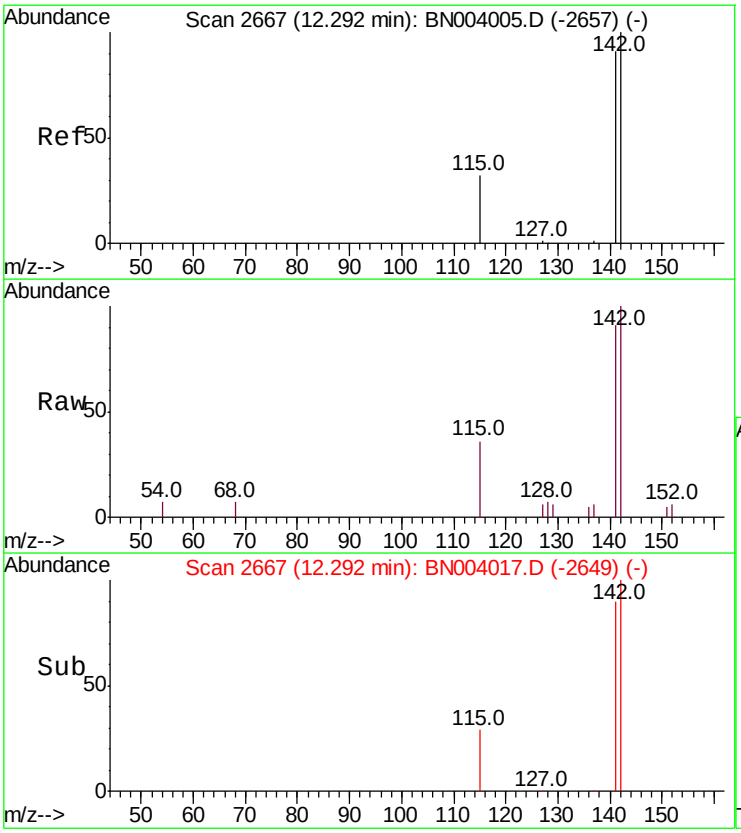
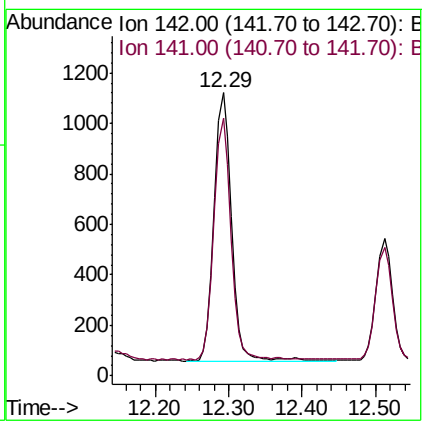


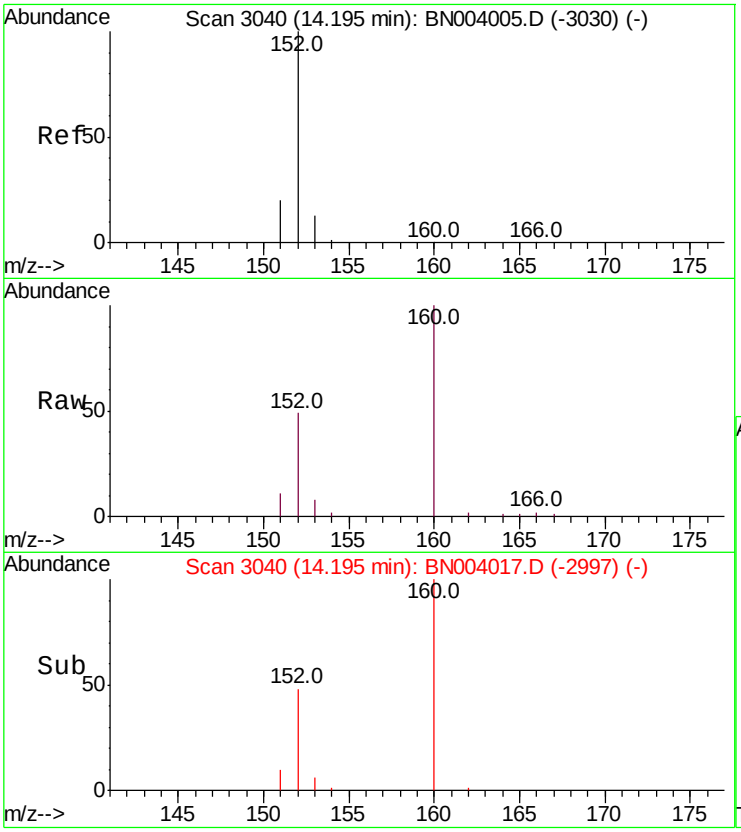




#5
2-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.29 min Scan# 2667
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:142 Resp: 1767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.5 | 71.5 | 107.3 |

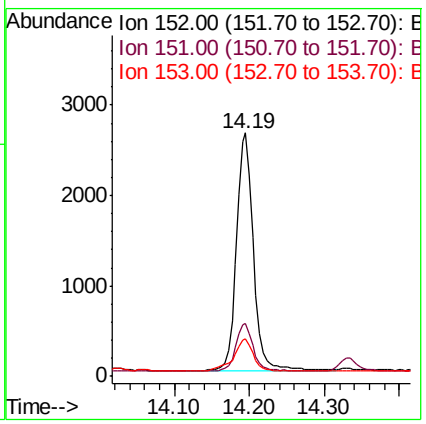





#7
Acenaphthylene
Concen: 0.145 ng/ul
RT: 14.19 min Scan# 3040
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:152 Resp: 4188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.7 | 15.9 | 23.9 |
| 153 | 15.4 | 10.7 | 16.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
F9F05

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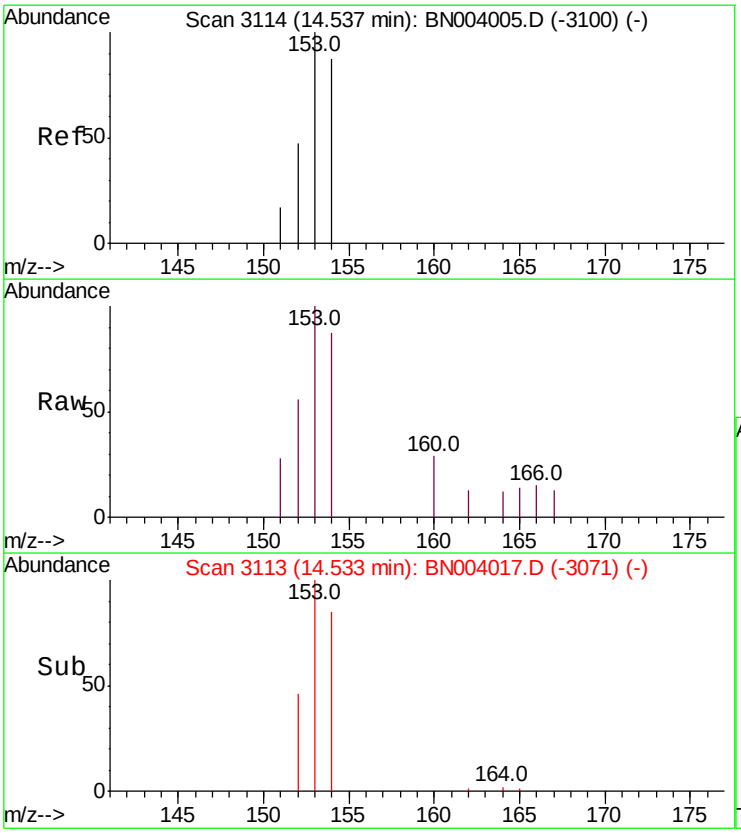
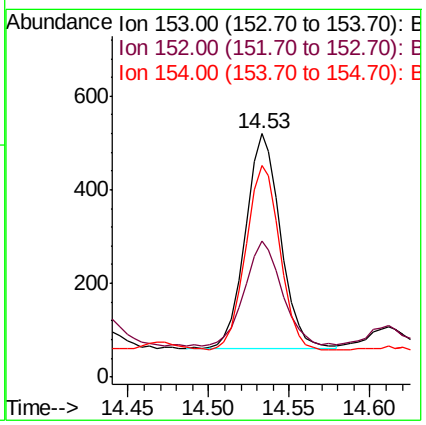
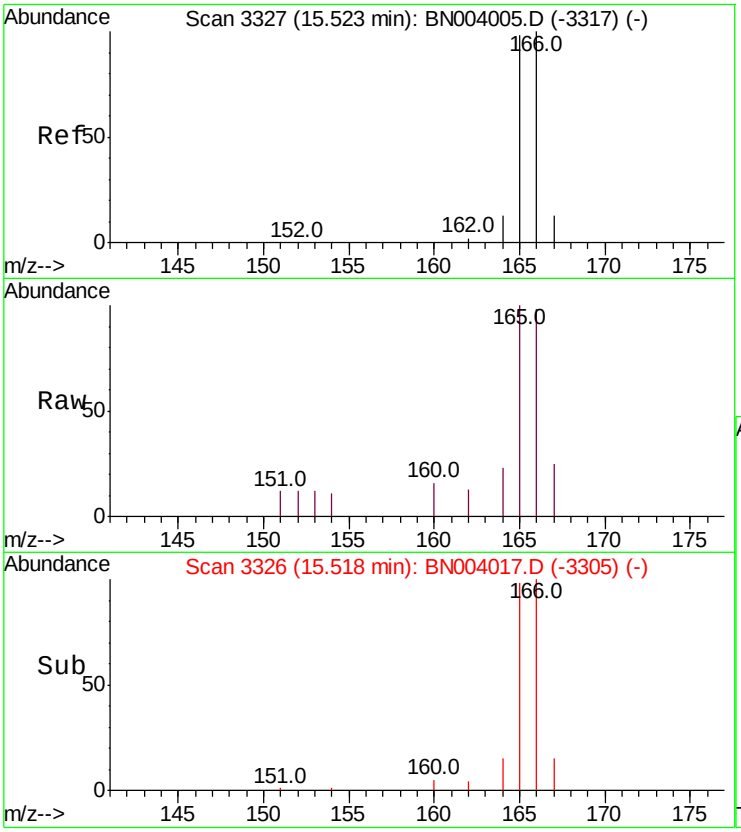



#8
Acenaphthene
Concen: 0.028 ng/ul
RT: 14.53 min Scan# 3113
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:153 Resp: 700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 56.0 | 39.3 | 58.9 |
| 154 | 87.1 | 70.3 | 105.5 |

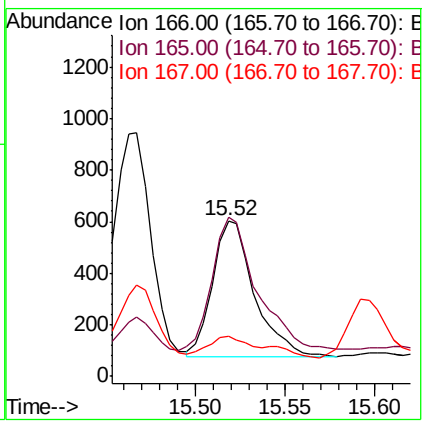





#9
Fluorene
Concen: 0.029 ng/ul
RT: 15.52 min Scan# 3326
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:166 Resp: 852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.3 | 78.3 | 117.5 |
| 167 | 25.5 | 11.3 | 16.9# |




**Instrument :**
BNA_N
**ClientSampleId :**
F9F05

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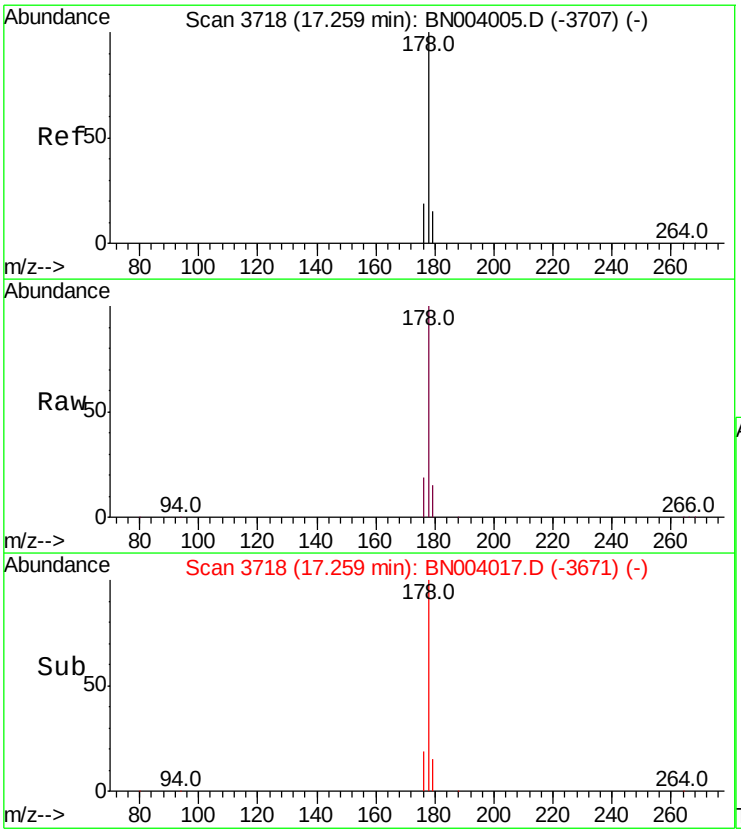
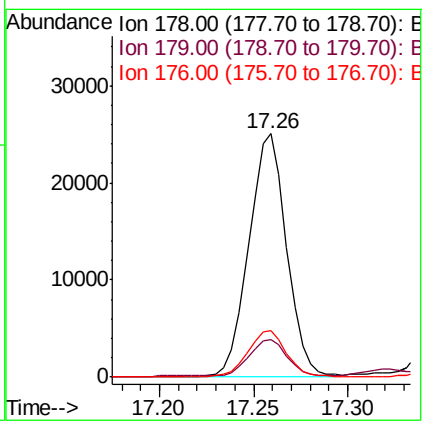
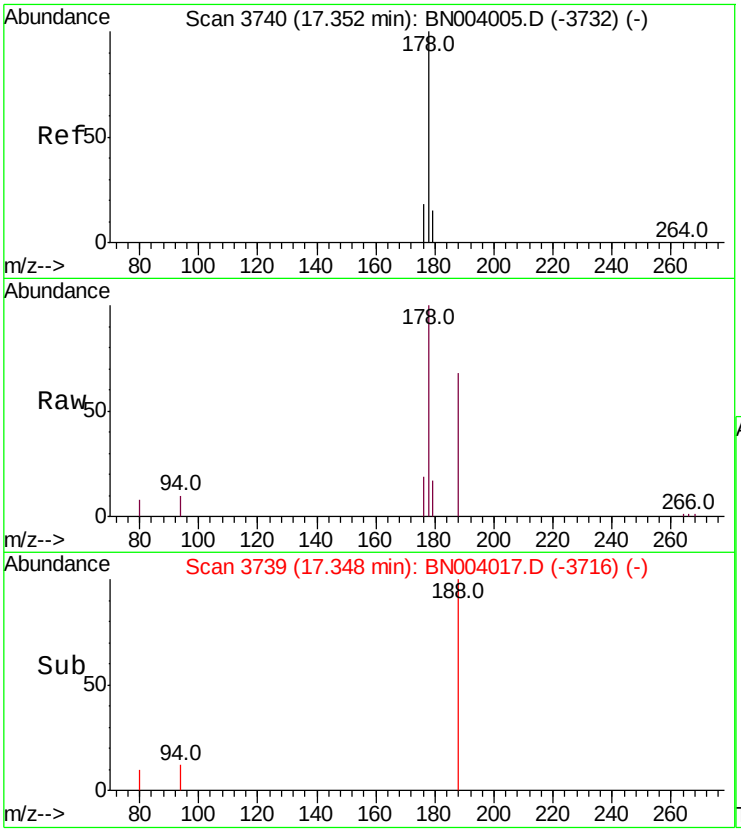



#12
Phenanthrene
Concen: 0.652 ng/ul m
RT: 17.26 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:178 Resp: 34796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.5 | 18.7 |
| 176 | 18.9 | 15.0 | 22.4 |

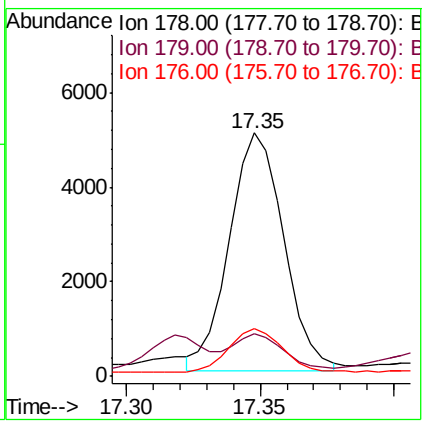





#13
Anthracene
Concen: 0.162 ng/ul m
RT: 17.35 min Scan# 3739
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:178 Resp: 7098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.4 | 12.3 | 18.5 |
| 176 | 19.5 | 14.8 | 22.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
F9F05

**Manual Integrations APPROVED**
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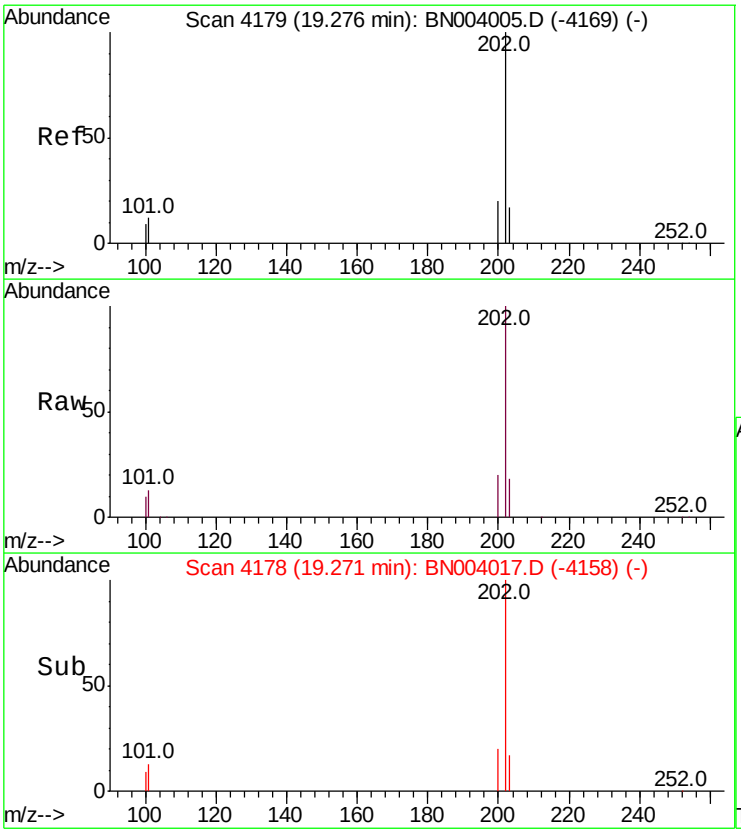
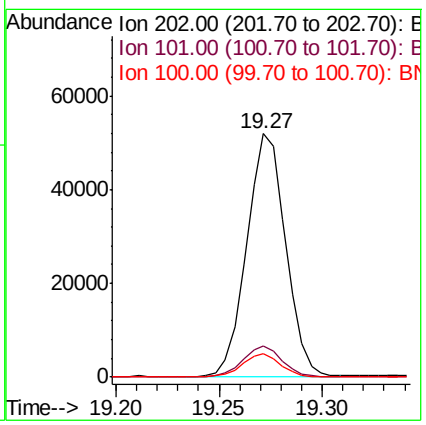
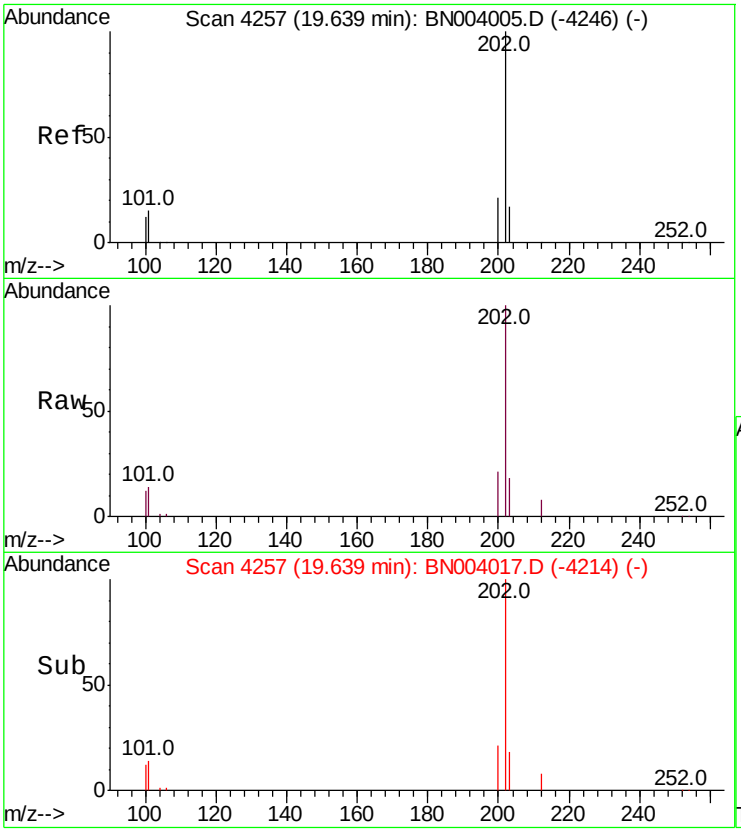



#15
Fluoranthene
Concen: 1.074 ng/ul m
RT: 19.27 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:202 Resp: 67688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 0.0 | 30.7 |
| 100 | 9.6 | 0.0 | 28.1 |

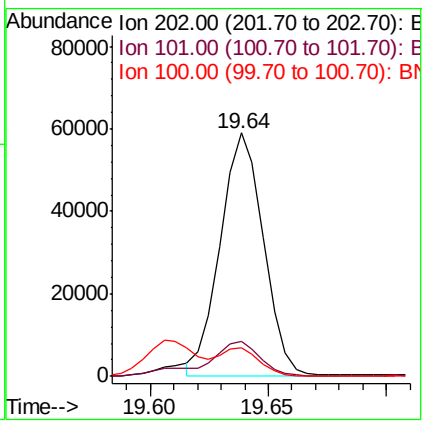





#17
Pyrene
Concen: 1.118 ng/ul m
RT: 19.64 min Scan# 4257
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:202 Resp: 75125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 10.3 | 15.5 |
| 100 | 11.6 | 8.5 | 12.7 |




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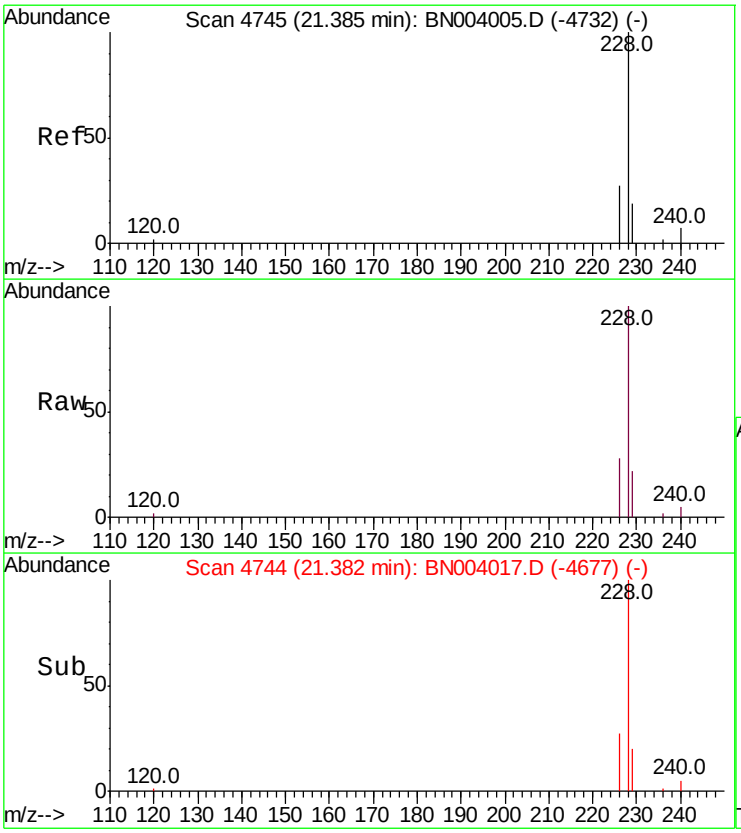
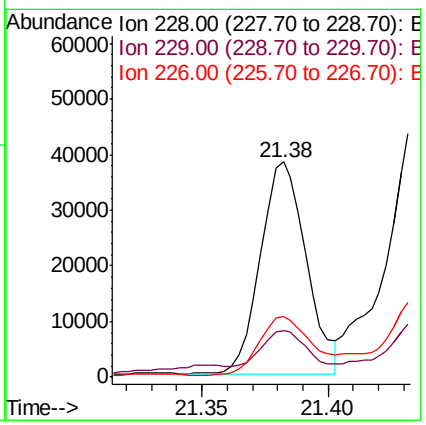
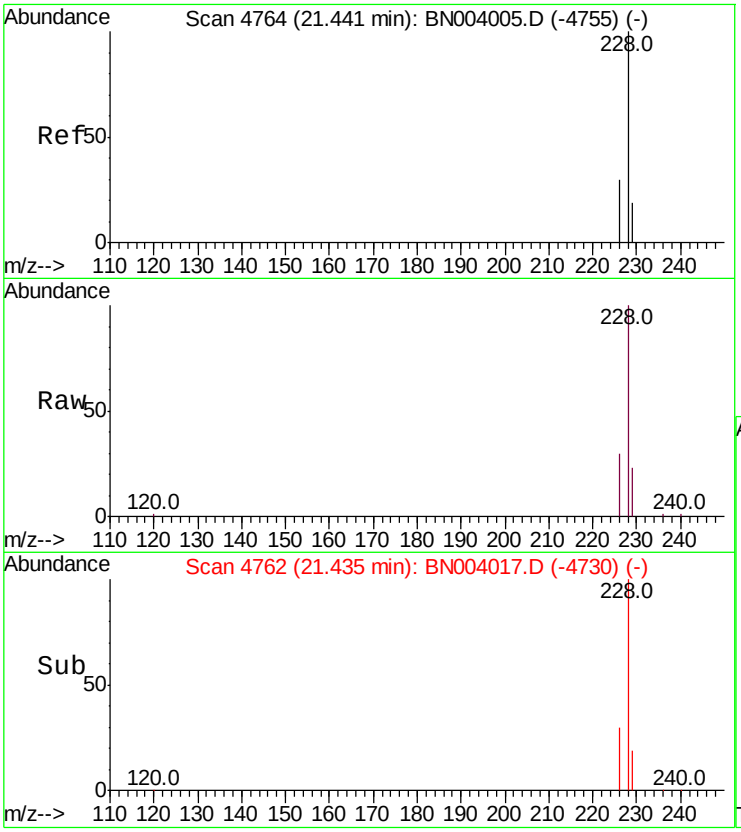



#18
Benzo(a)anthracene
Concen: 0.815 ng/ul m
RT: 21.38 min Scan# 4744
Delta R.T. -0.00 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:228 Resp: 48254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.9 | 15.6 | 23.4 |
| 226 | 28.3 | 21.1 | 31.7 |

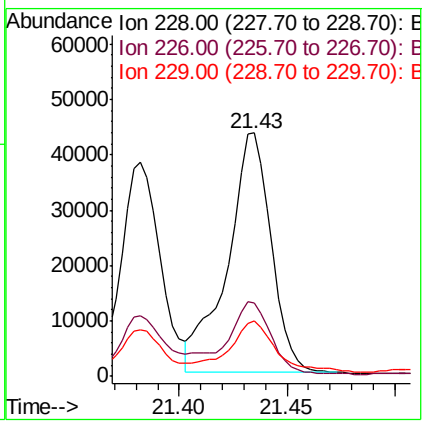





#19
Chrysene
Concen: 0.900 ng/ul m
RT: 21.43 min Scan# 4762
Delta R.T. -0.01 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:228 Resp: 60942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.0 | 36.0 |
| 229 | 22.6 | 15.7 | 23.5 |




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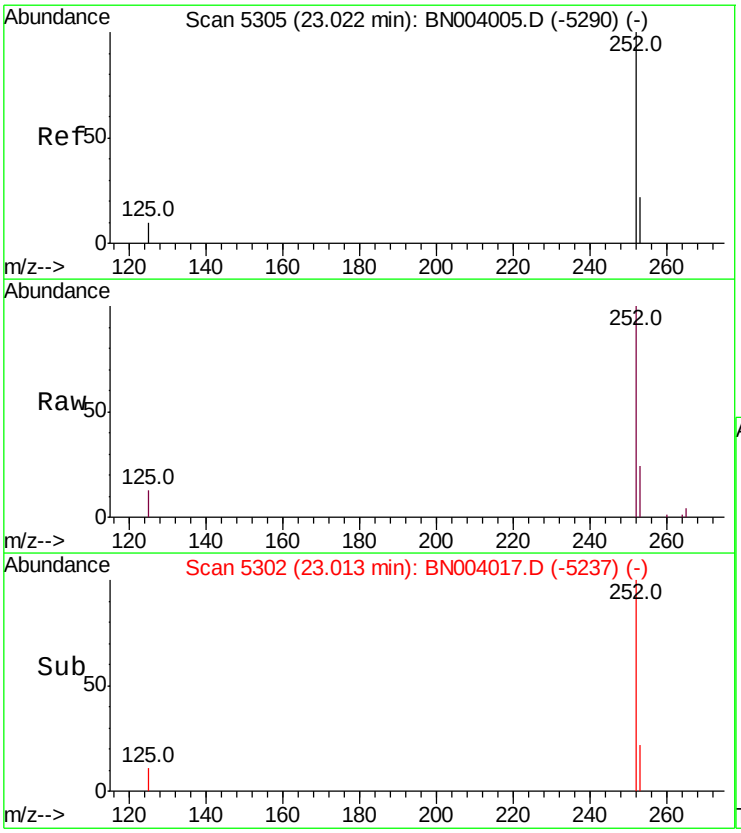
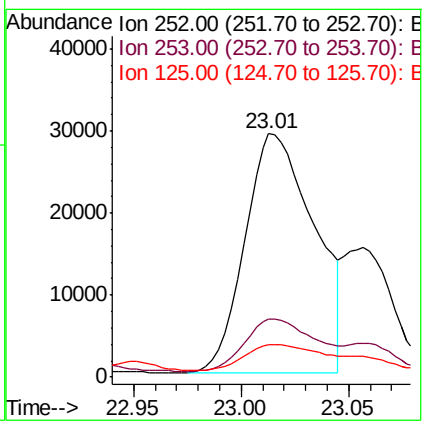
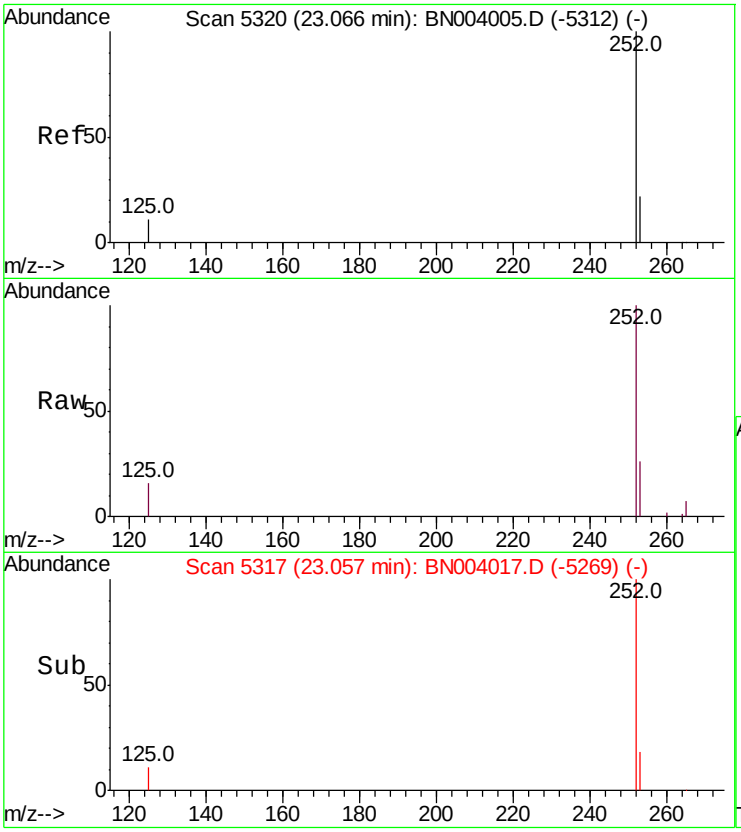



#21
Benzo(b)fluoranthene
Concen: 0.950 ng/ul m
RT: 23.01 min Scan# 5302
Delta R.T. -0.01 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:252 Resp: 65927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 0.0 | 46.0 |
| 125 | 13.4 | 0.0 | 22.4 |






#22
Benzo(k)fluoranthene
Concen: 0.360 ng/ul m
RT: 23.06 min Scan# 5317
Delta R.T. -0.01 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:252 Resp: 24348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 18.5 | 27.7 |
| 125 | 15.6 | 9.0 | 13.6# |

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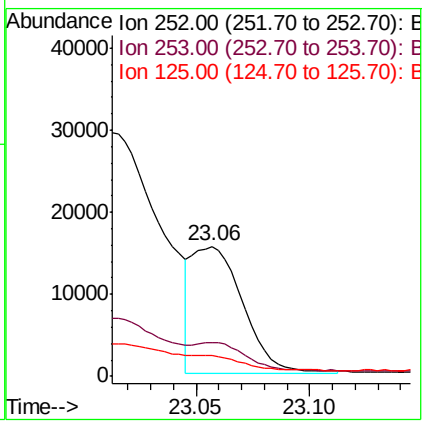
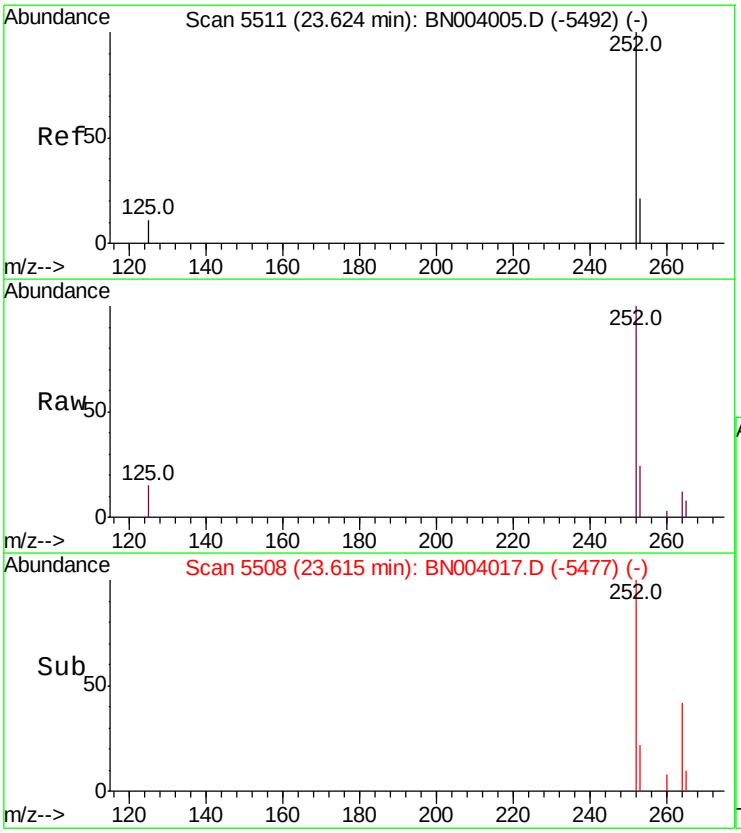
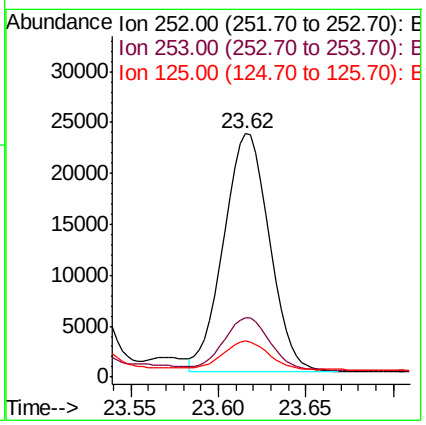


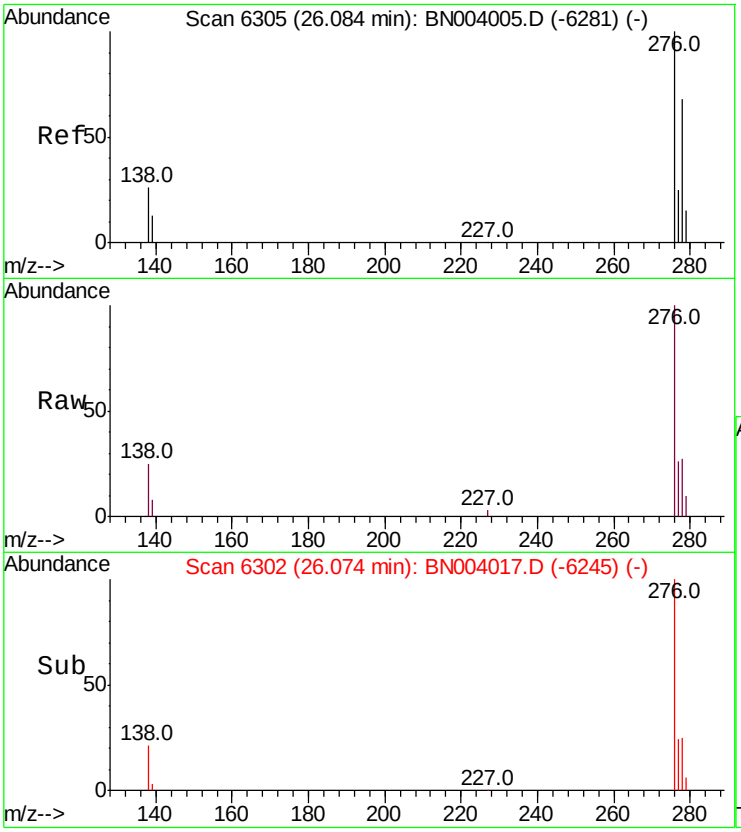




#23
Benzo(a)pyrene
Concen: 0.707 ng/ul m
RT: 23.62 min Scan# 5508
Delta R.T. -0.01 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:252 Resp: 42496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 19.0 | 28.4 |
| 125 | 14.7 | 10.2 | 15.4 |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.458 ng/ul m
RT: 26.07 min Scan# 6302
Delta R.T. -0.01 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:276 Resp: 31582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 3.3 | 20.3 | 30.5# |
| 227 | 0.0 | 0.2 | 0.2# |

**Instrument :**
BNA_N
**ClientSampleId :**
F9F05

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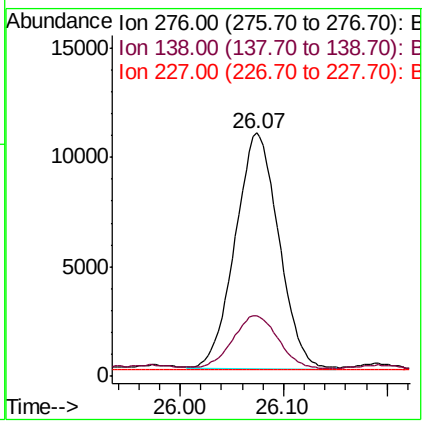
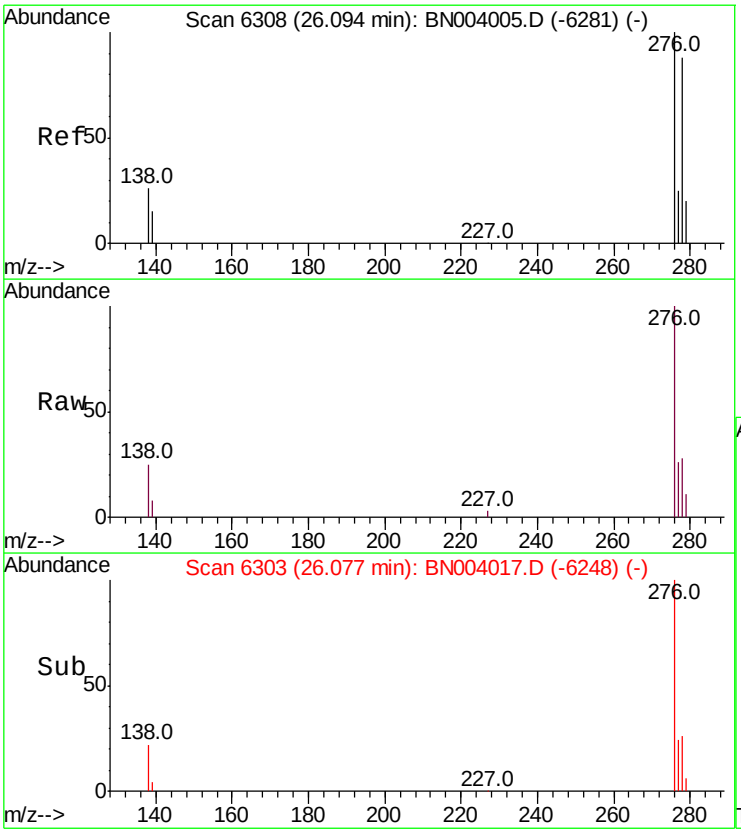
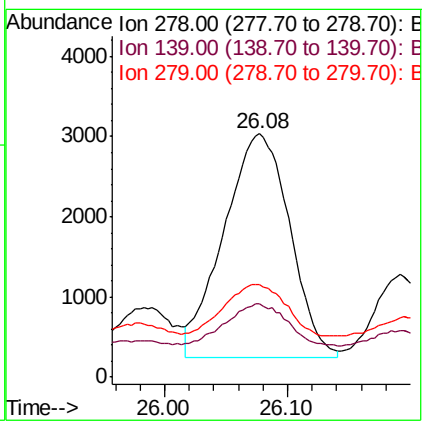


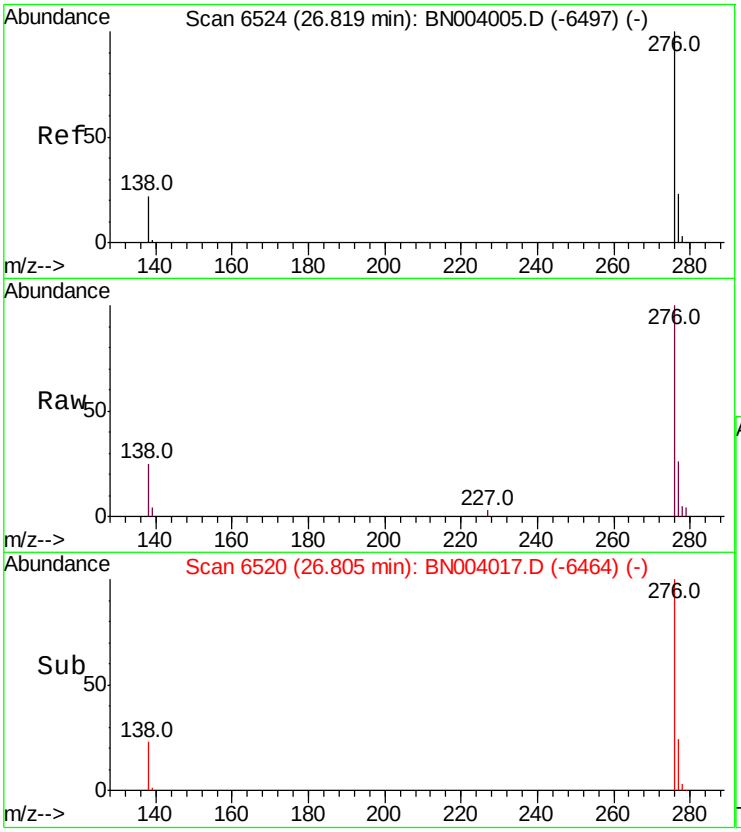




#25
Dibenzo(a,h)anthracene
Concen: 0.188 ng/ul m
RT: 26.08 min Scan# 6303
Delta R.T. -0.02 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:278 Resp: 10446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 30.3 | 14.2 | 21.4# |
| 279 | 38.1 | 19.8 | 29.6# |

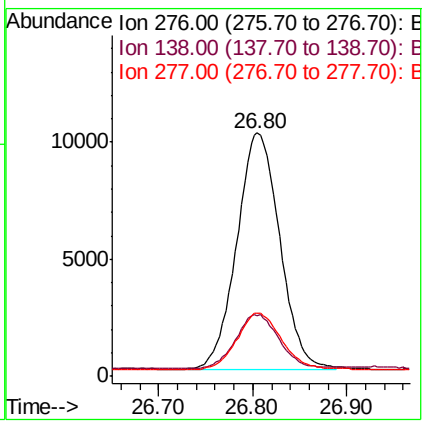





#26
Benzo(g,h,i)perylene
Concen: 0.538 ng/ul m
RT: 26.80 min Scan# 6520
Delta R.T. -0.01 min
Lab File: BN004017.D
Acq: 17 Dec 2018 04:13

Tgt Ion:276 Resp: 32218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.0 | 17.7 | 26.5 |
| 277 | 25.9 | 19.3 | 28.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
F9F05

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:28:25 PM