Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101420\

Quantitation Report (QT Reviewed)

Data File : BN012241.D
Acq On : 15 Oct 2020 21:01
Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** C0AS9

**Manual Integrations APPROVED**
mohammad
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Quant Time: Oct 16 02:08:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 16 01:19:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 1760 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.39 | 136 | 7563 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 4735 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 9891 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.21 | 240 | 7960 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.40 | 264 | 9720 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.99 | 152 | 1918 | 0.17 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.04 | 212 | 4923 | 0.18 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.44 | 128 | 10280 | 0.471 | ng/ul | 98 |
| 5) 2-Methylnaphthalene | 12.06 | 142 | 15722 | 1.134 | ng/ul | 99 |
| 7) Acenaphthylene | 13.98 | 152 | 13187 | 0.642 | ng/ul# | 92 |
| 8) Acenaphthene | 14.32 | 153 | 96423 | 5.553 | ng/ul | 99 |
| 9) Fluorene | 15.31 | 166 | 147791 | 7.647 | ng/ul | 99 |
| 11) Pentachlorophenol | 16.66 | 266 | 70 | 0.024 | ng/ul# | 86 |
| 12) Phenanthrene | 17.05 | 178 | 2096955 | 66.507 | ng/ul | 98 |
| 13) Anthracene | 17.14 | 178 | 617139 | 22.819 | ng/ul | 97 |
| 15) Fluoranthene | 19.08 | 202 | 2757699 | 74.800 | ng/ul | 99 |
| 17) Pyrene | 19.45 | 202 | 2286305 | 63.706 | ng/ul | 98 |
| 18) Benzo(a)anthracene | 21.20 | 228 | 1186277 | 40.234 | ng/ul | 99 |
| 19) Chrysene | 21.25 | 228 | 1002862 | 27.918 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.75 | 252 | 1256112m | 31.994 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.79 | 252 | 444119m | 10.220 | ng/ul | |
| 23) Benzo(a)pyrene | 23.31 | 252 | 884220 | 23.151 | ng/ul# | 77 |
| 24) Indeno(1,2,3-cd)pyrene | 25.58 | 276 | 561673 | 11.447 | ng/ul# | 100 |
| 25) Dibenzo(a,h)anthracene | 25.59 | 278 | 157521m | 4.013 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.25 | 276 | 469492 | 10.440 | ng/ul | 97 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101420\

Quantitation Report (QT Reviewed)

Data File : BN012241.D
Acq On : 15 Oct 2020 21:01
Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Oct 16 02:08:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

**Manual Integrations APPROVED**
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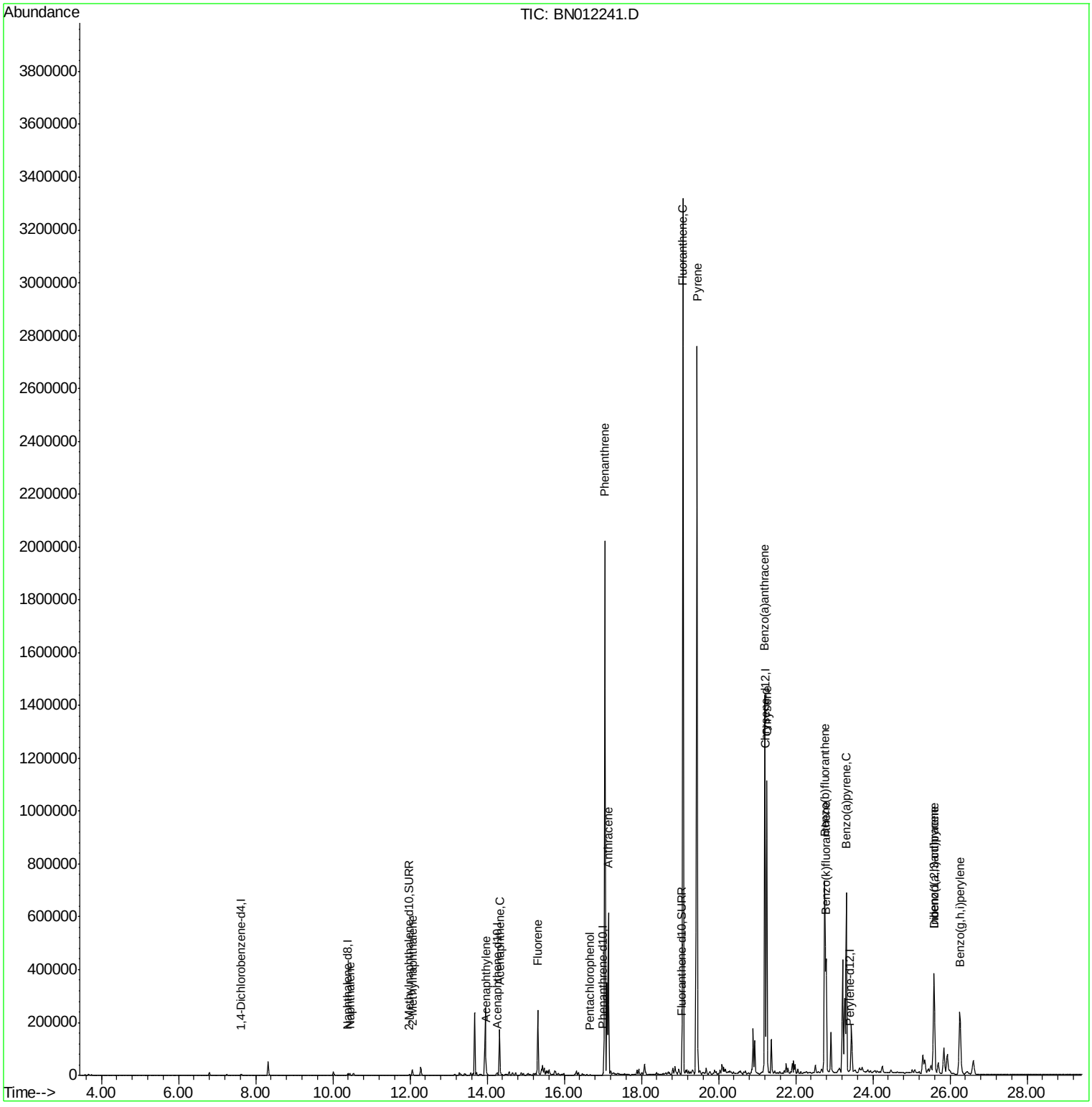
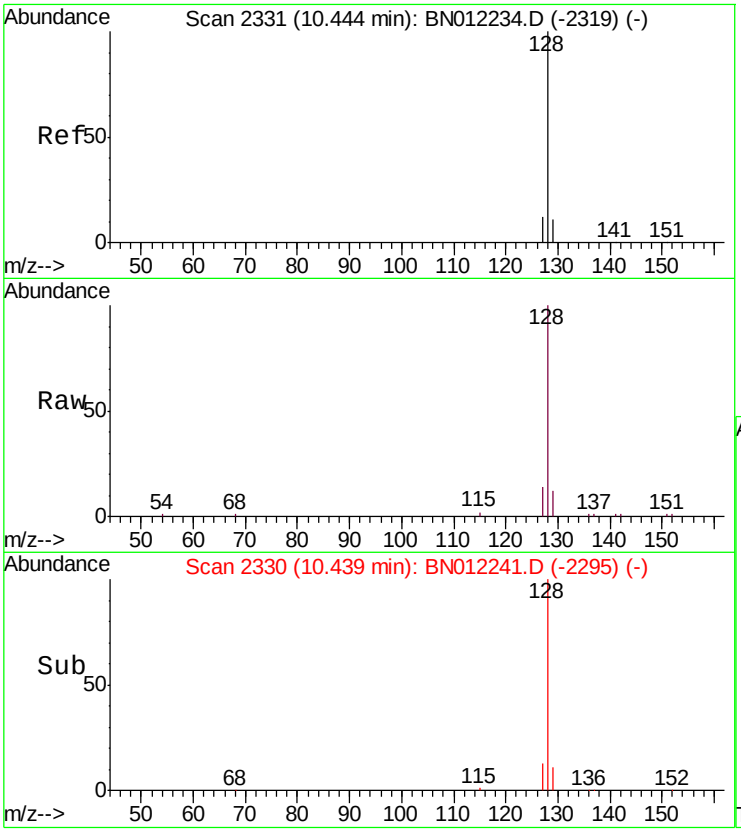
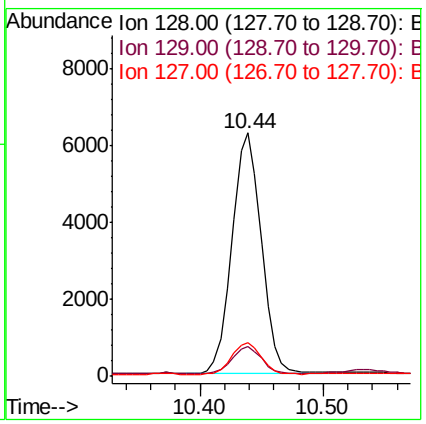





#3
Naphthalene
Concen: 0.471 ng/ul
RT: 10.44 min Scan# 2330
Delta R.T. -0.01 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:128 Resp: 10280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.3 | 10.3 | 15.5 |
| 127 | 14.0 | 11.9 | 17.9 |




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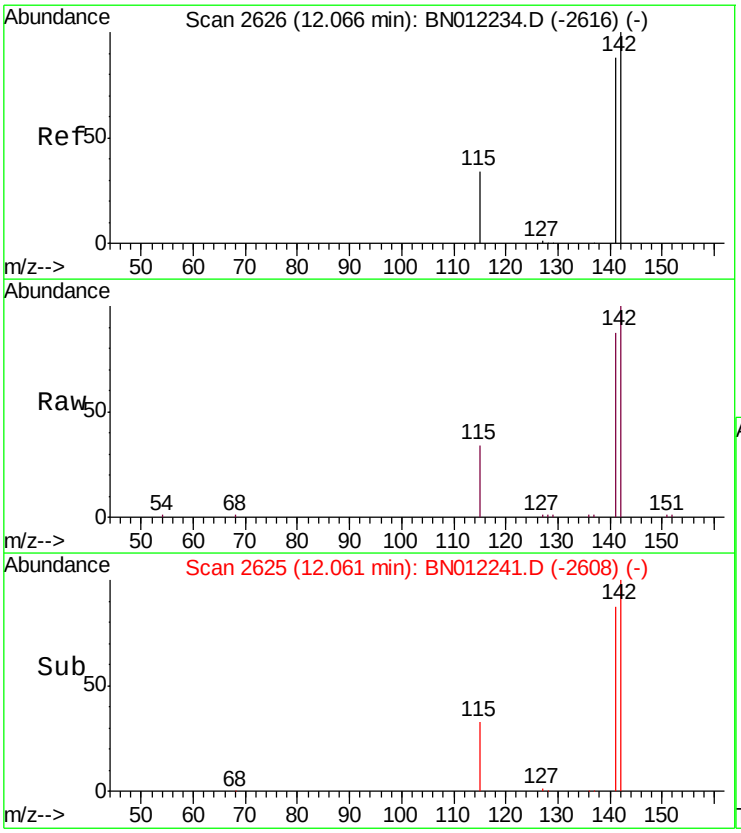
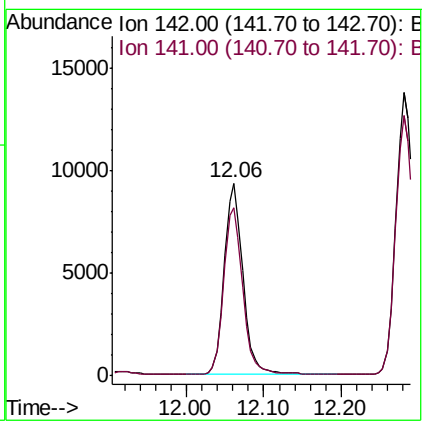
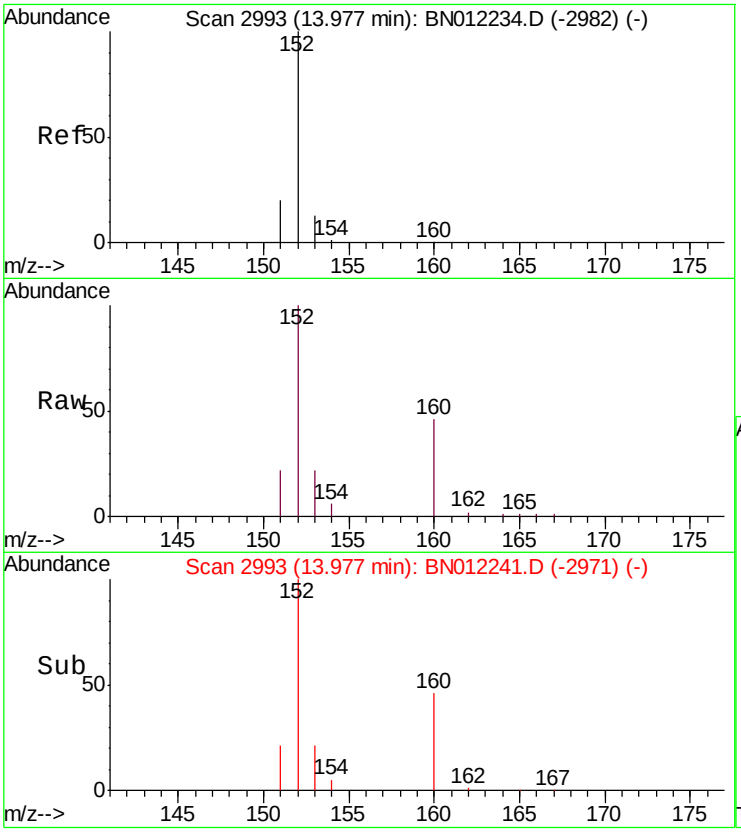



#5
2-Methylnaphthalene
Concen: 1.134 ng/ul
RT: 12.06 min Scan# 2625
Delta R.T. -0.01 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:142 Resp: 15722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 71.7 | 107.5 |






#7
Acenaphthylene
Concen: 0.642 ng/ul
RT: 13.98 min Scan# 2993
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:152 Resp: 13187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.6 | 16.7 | 25.1 |
| 153 | 22.3 | 11.8 | 17.8# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

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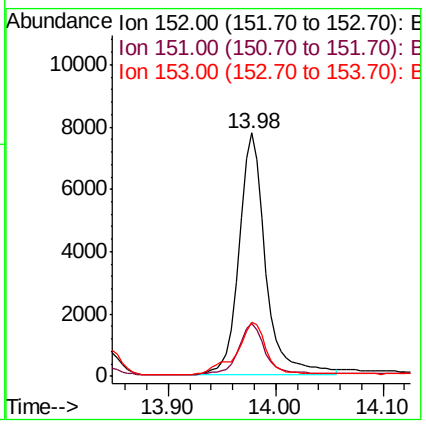
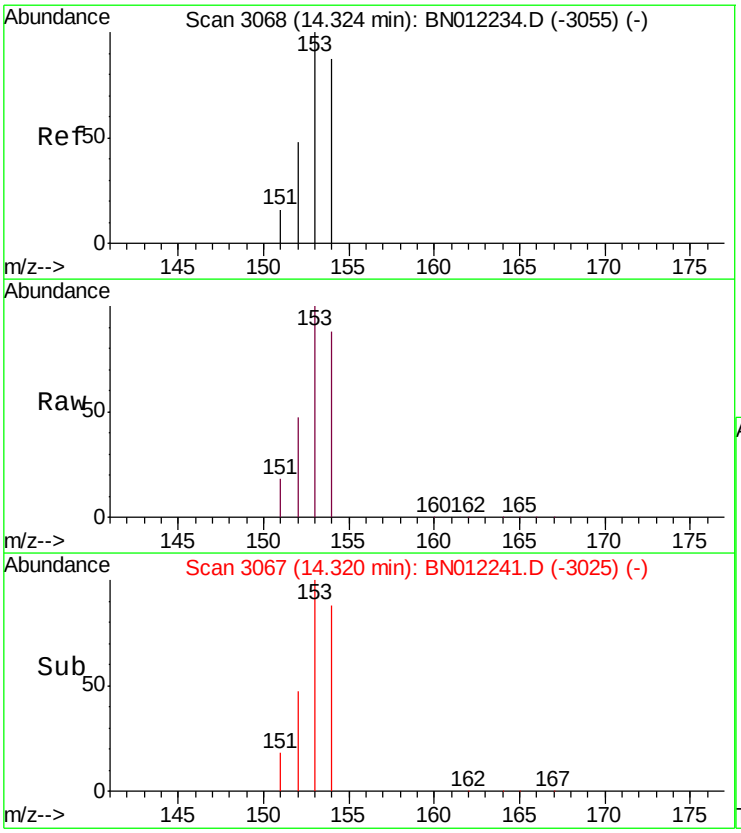
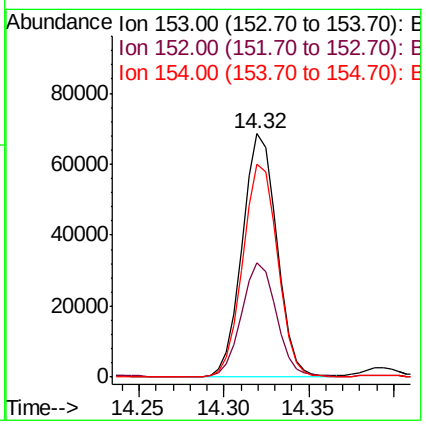


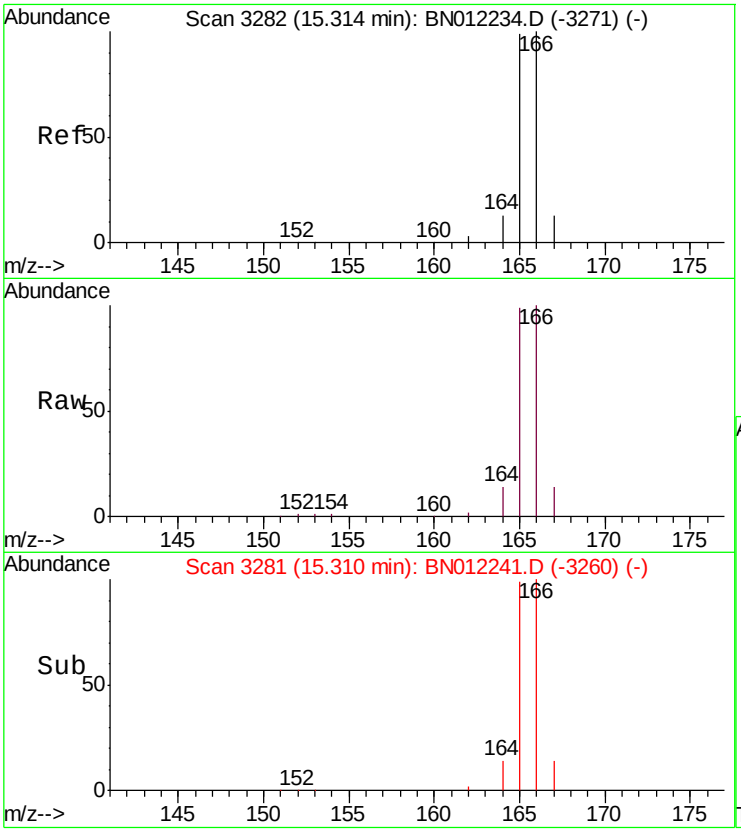




#8
Acenaphthene
Concen: 5.553 ng/ul
RT: 14.32 min Scan# 3067
Delta R.T. -0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:153 Resp: 96423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.2 | 38.2 | 57.2 |
| 154 | 87.5 | 71.1 | 106.7 |

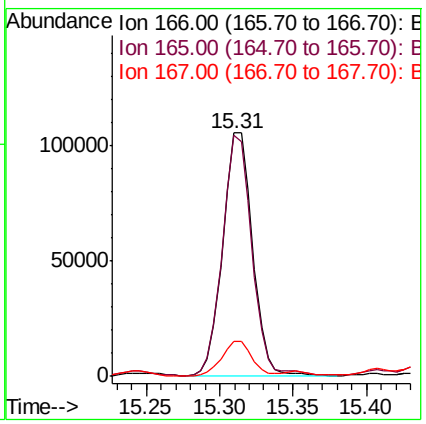





#9
Fluorene
Concen: 7.647 ng/ul
RT: 15.31 min Scan# 3281
Delta R.T. -0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:166 Resp: 147791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.2 | 78.6 | 118.0 |
| 167 | 14.4 | 11.9 | 17.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

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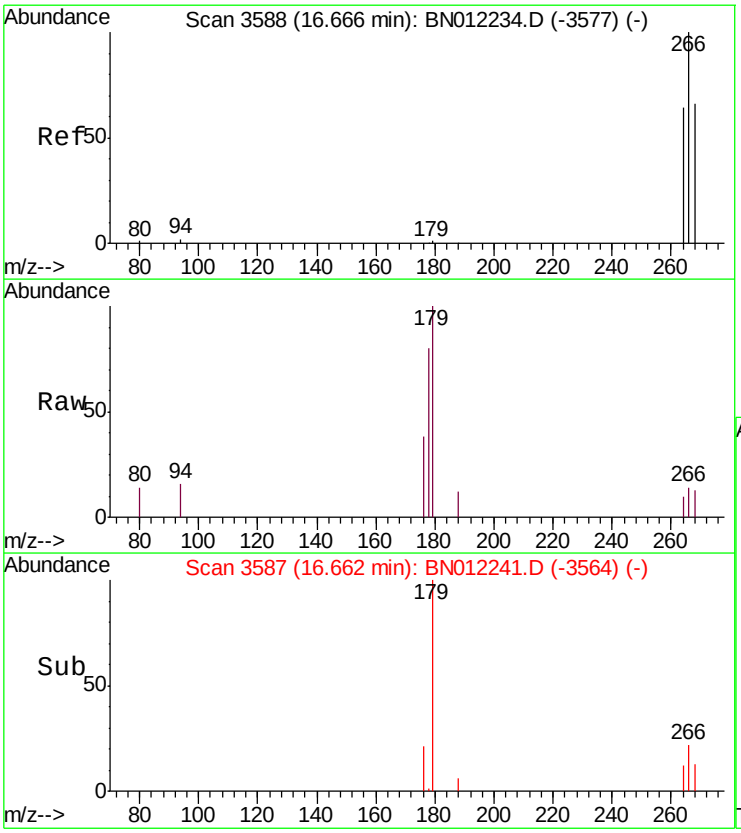
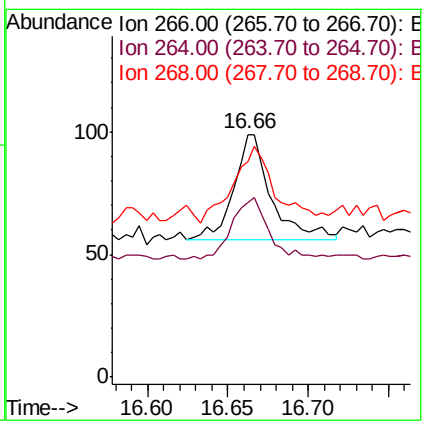
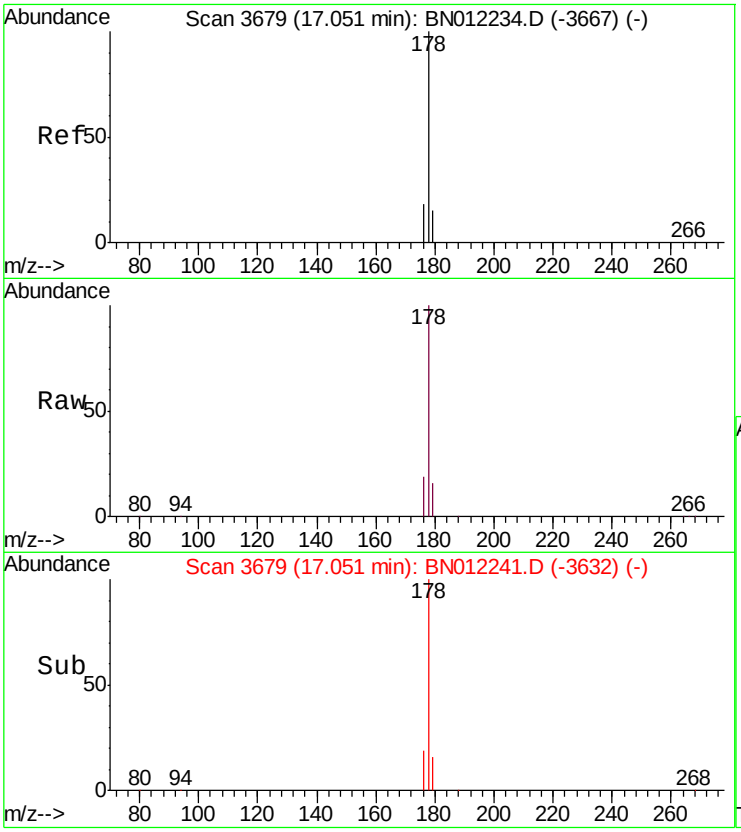



#11
Pentachlorophenol
Concen: 0.024 ng/ul
RT: 16.66 min Scan# 3587
Delta R.T. -0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:266 Resp: 70

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 57.1 | 50.3 | 75.5 |
| 268 | 81.4 | 52.4 | 78.6# |

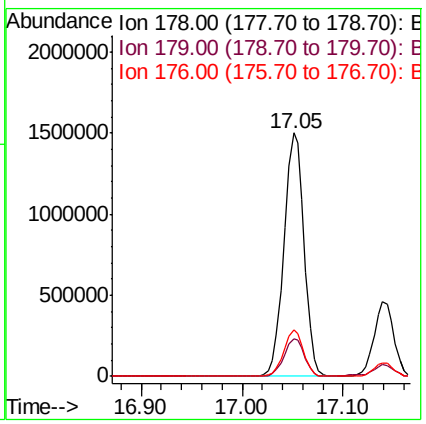





#12
Phenanthrene
Concen: 66.507 ng/ul
RT: 17.05 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:178 Resp: 2096955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 13.4 | 20.2 |
| 176 | 18.9 | 15.7 | 23.5 |




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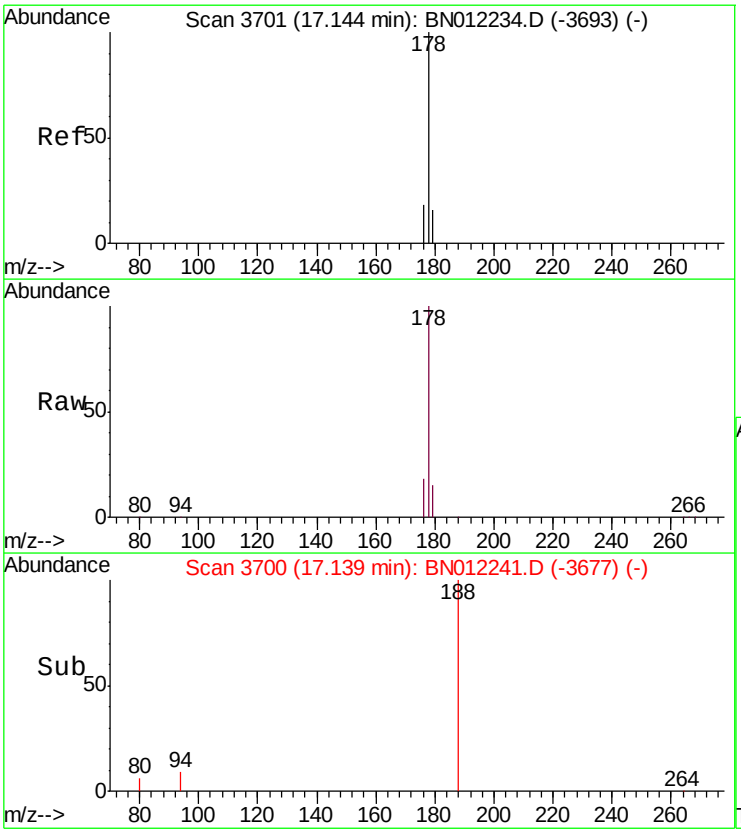
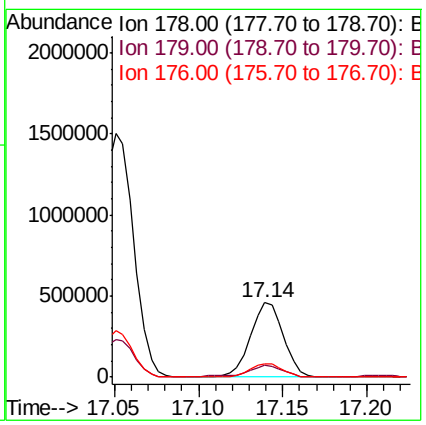
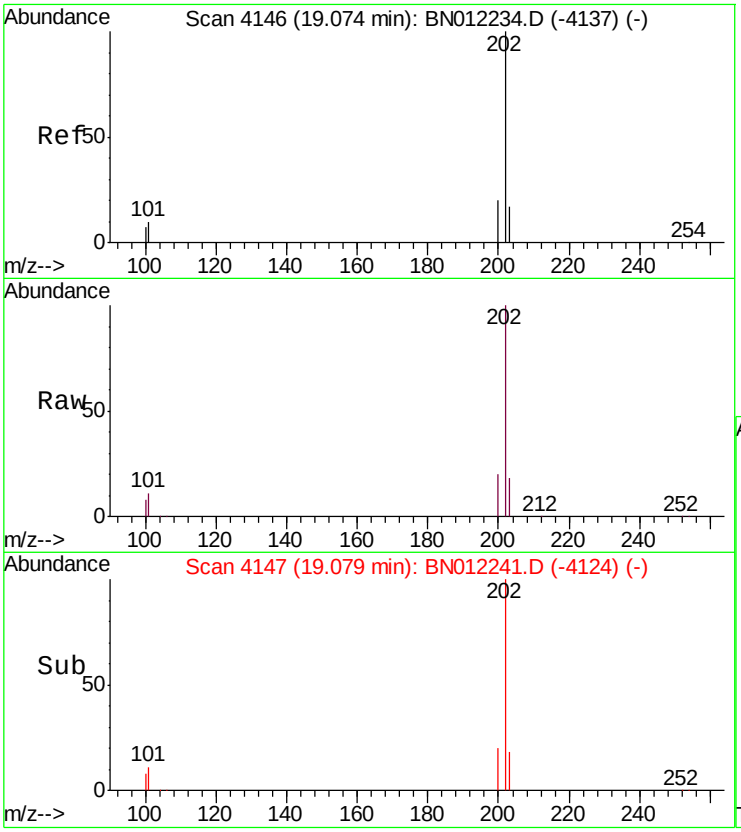



#13
Anthracene
Concen: 22.819 ng/ul
RT: 17.14 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:178 Resp: 617139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 13.9 | 20.9 |
| 176 | 18.1 | 15.4 | 23.0 |

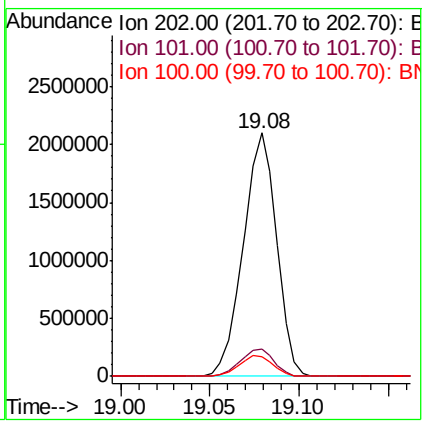





#15
Fluoranthene
Concen: 74.800 ng/ul
RT: 19.08 min Scan# 4147
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:202 Resp: 2757699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 0.0 | 31.0 |
| 100 | 8.3 | 0.0 | 28.7 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

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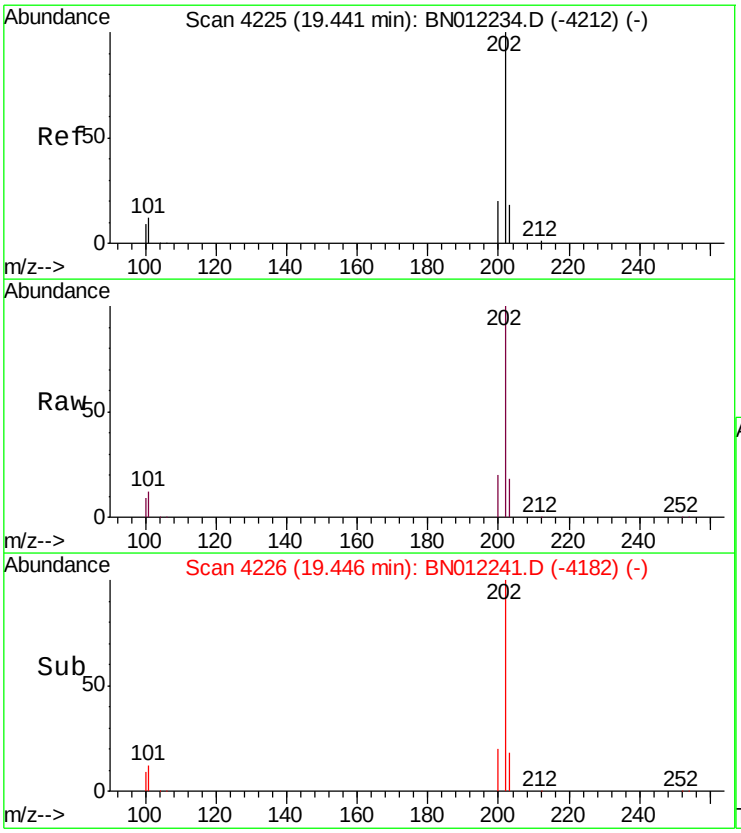
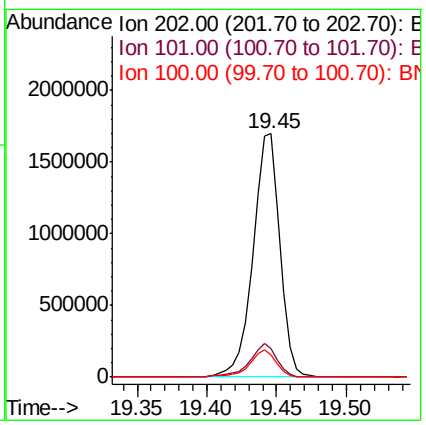
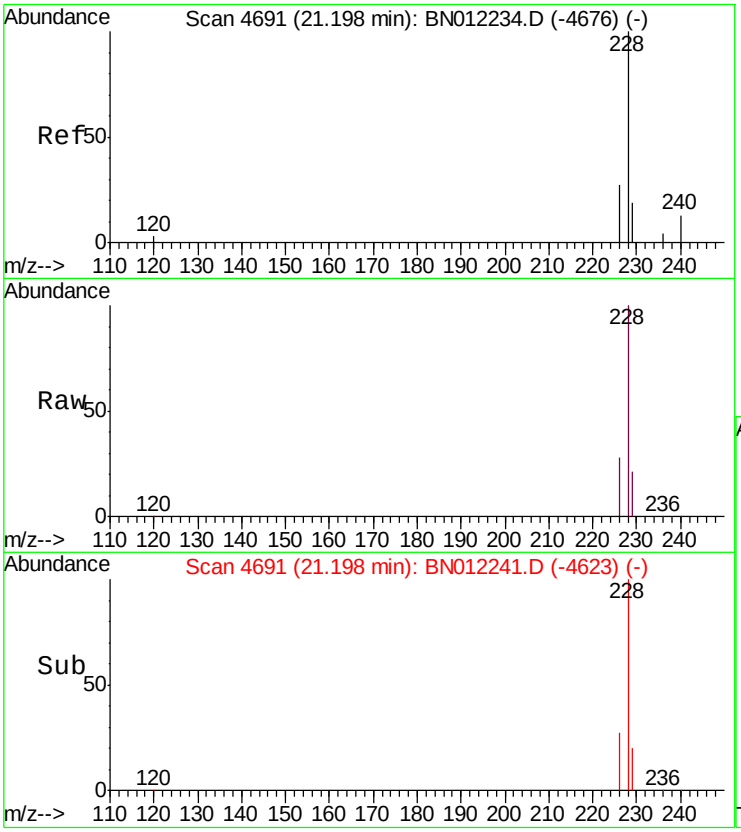



#17
Pyrene
Concen: 63.706 ng/ul
RT: 19.45 min Scan# 4226
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:202 Resp: 2286305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 9.9 | 14.9 |
| 100 | 9.3 | 8.0 | 12.0 |

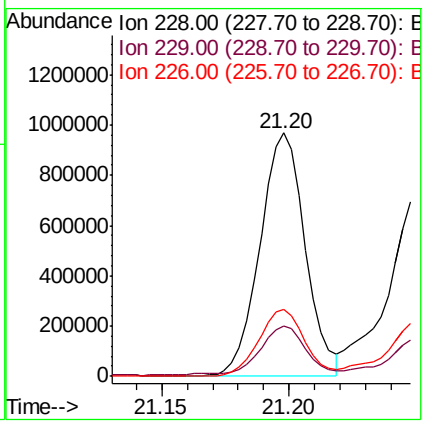





#18
Benzo(a)anthracene
Concen: 40.234 ng/ul
RT: 21.20 min Scan# 4691
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:228 Resp: 1186277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.5 | 15.8 | 23.8 |
| 226 | 27.6 | 22.6 | 33.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

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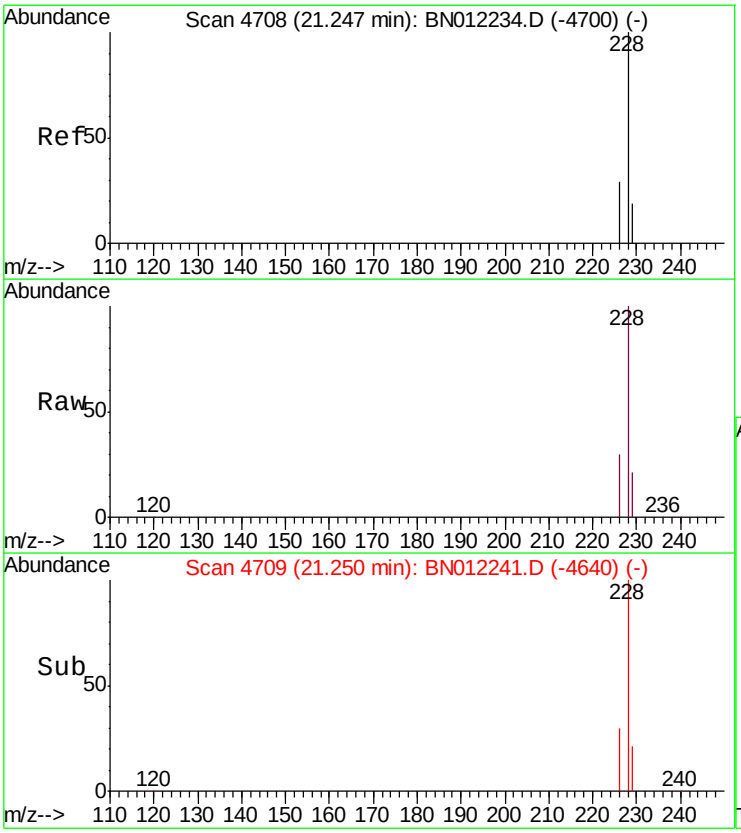
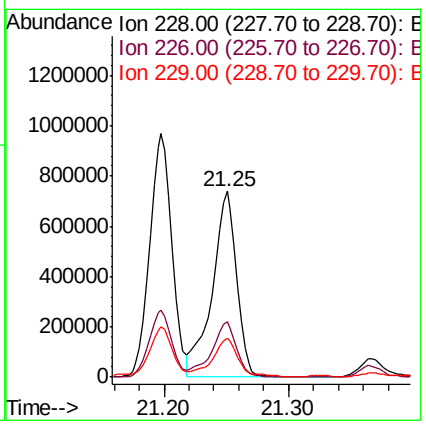
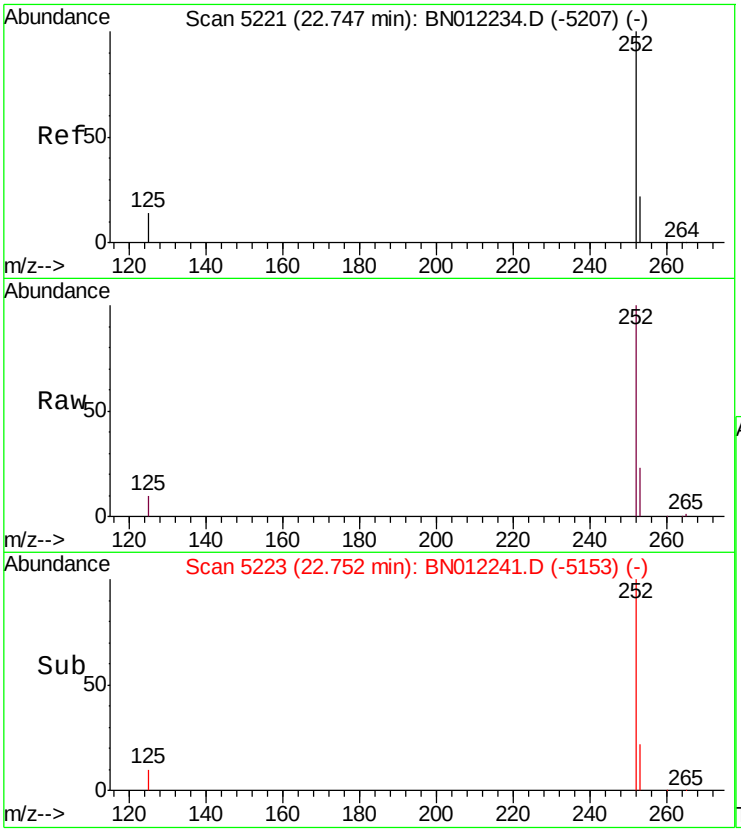



#19
Chrysene
Concen: 27.918 ng/ul
RT: 21.25 min Scan# 4709
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:228 Resp: 1002862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.6 | 37.0 |
| 229 | 21.1 | 17.0 | 25.6 |

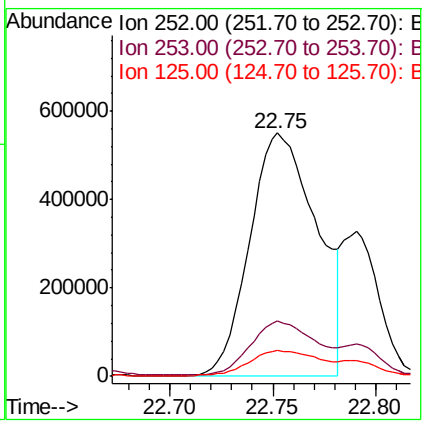





#21
Benzo(b)fluoranthene
Concen: 31.994 ng/ul m
RT: 22.75 min Scan# 5223
Delta R.T. 0.01 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:252 Resp: 1256112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 0.0 | 61.6 |
| 125 | 10.5 | 0.0 | 36.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

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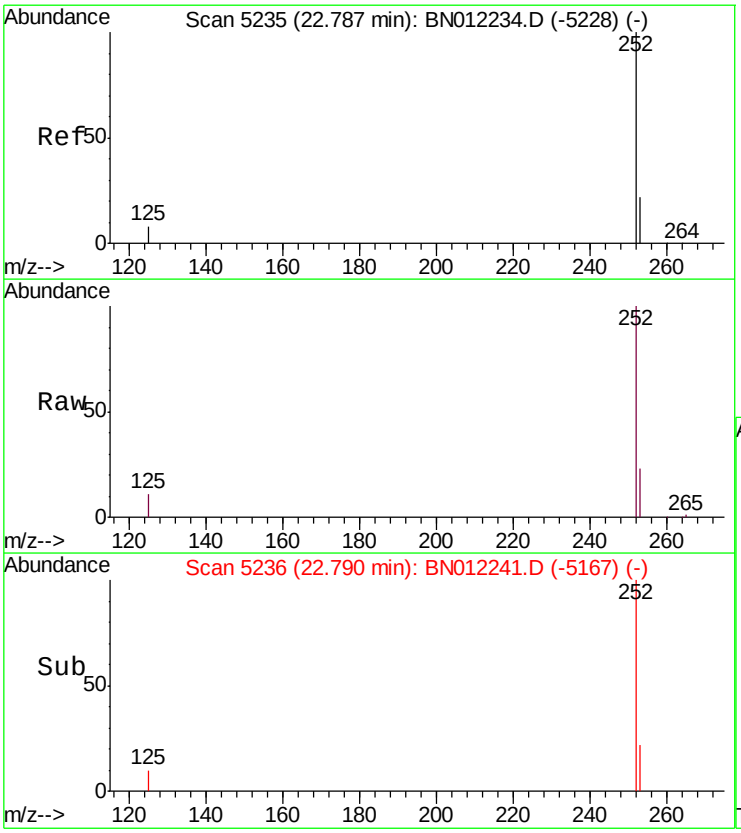
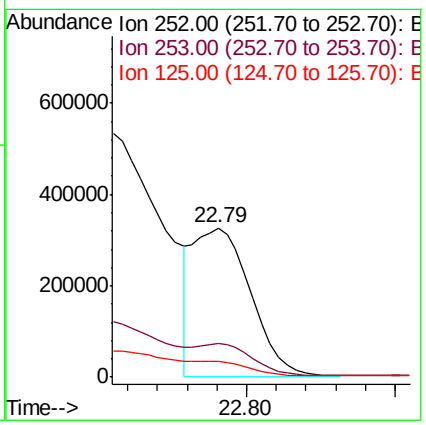
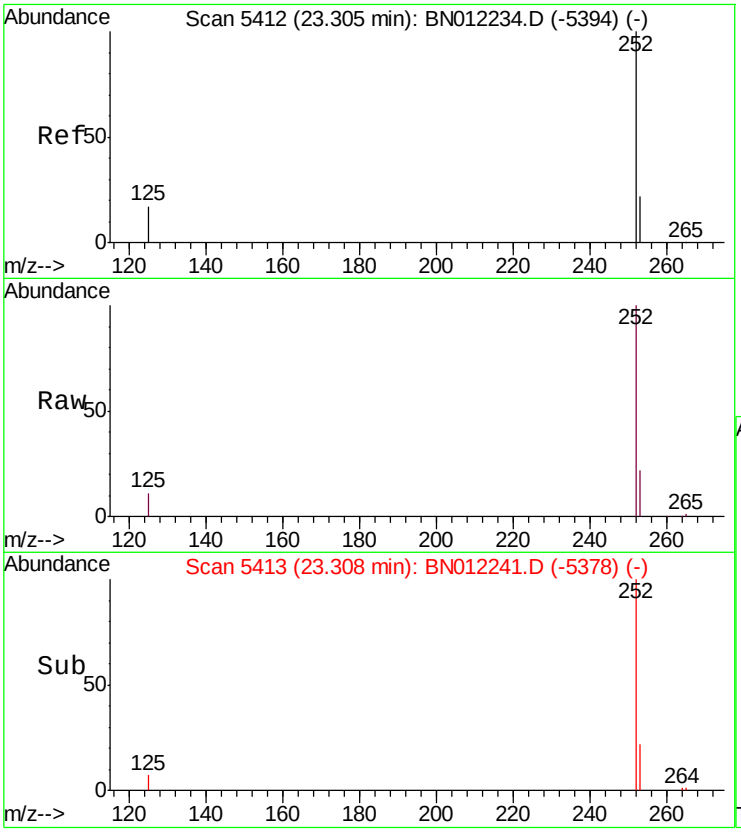



#22
Benzo(k)fluoranthene
Concen: 10.220 ng/ul m
RT: 22.79 min Scan# 5236
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:252 Resp: 444119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 24.4 | 36.6# |
| 125 | 10.7 | 12.9 | 19.3# |






#23
Benzo(a)pyrene
Concen: 23.151 ng/ul
RT: 23.31 min Scan# 5413
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:252 Resp: 884220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 27.0 | 40.4# |
| 125 | 10.7 | 18.8 | 28.2# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

**Manual Integrations APPROVED**
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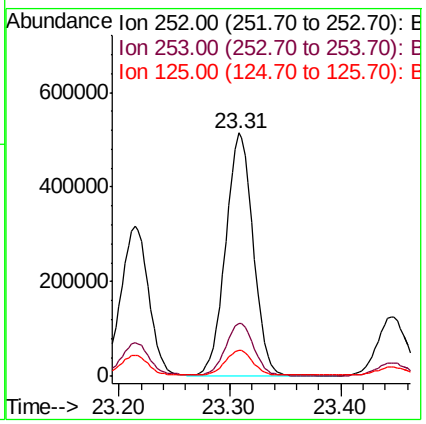
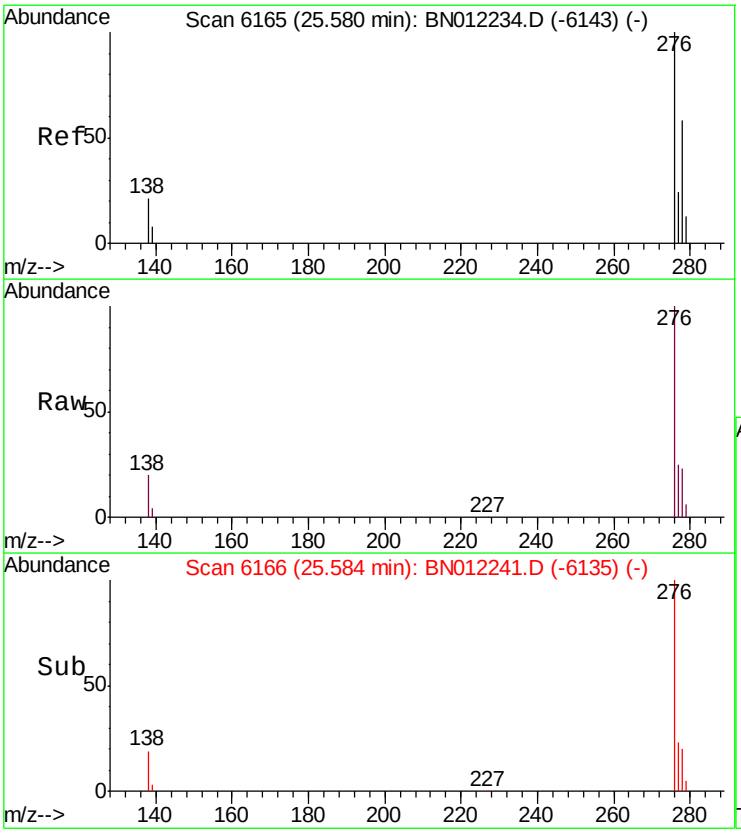
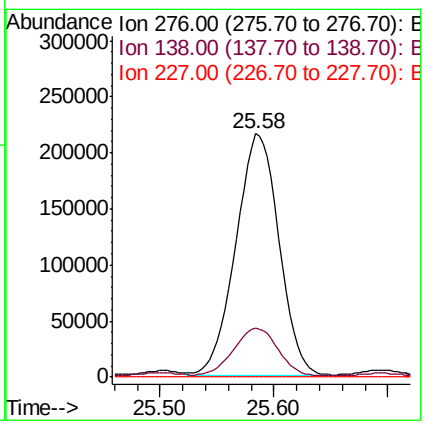


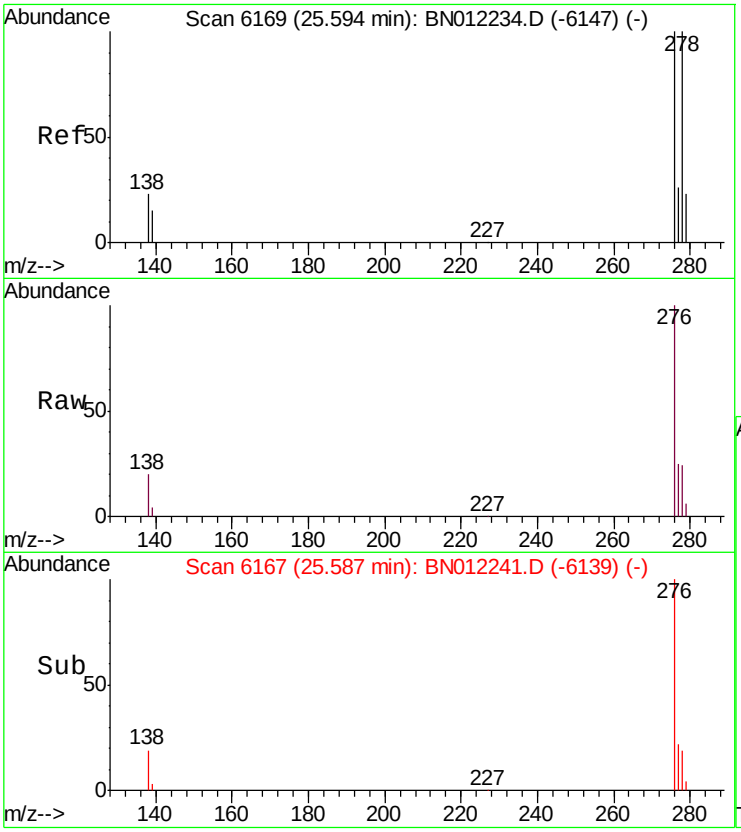




#24
Indeno(1,2,3-cd)pyrene
Concen: 11.447 ng/ul
RT: 25.58 min Scan# 6166
Delta R.T. 0.00 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:276 Resp: 561673

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

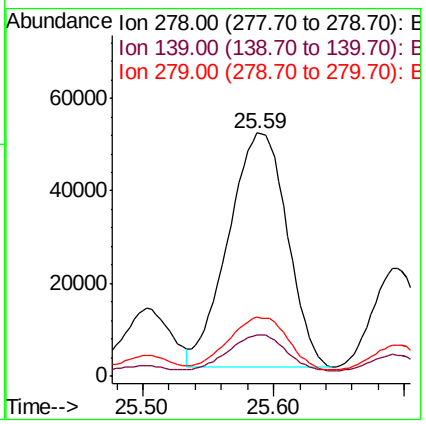





#25
Dibenzo(a,h)anthracene
Concen: 4.013 ng/ul m
RT: 25.59 min Scan# 6167
Delta R.T. -0.01 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

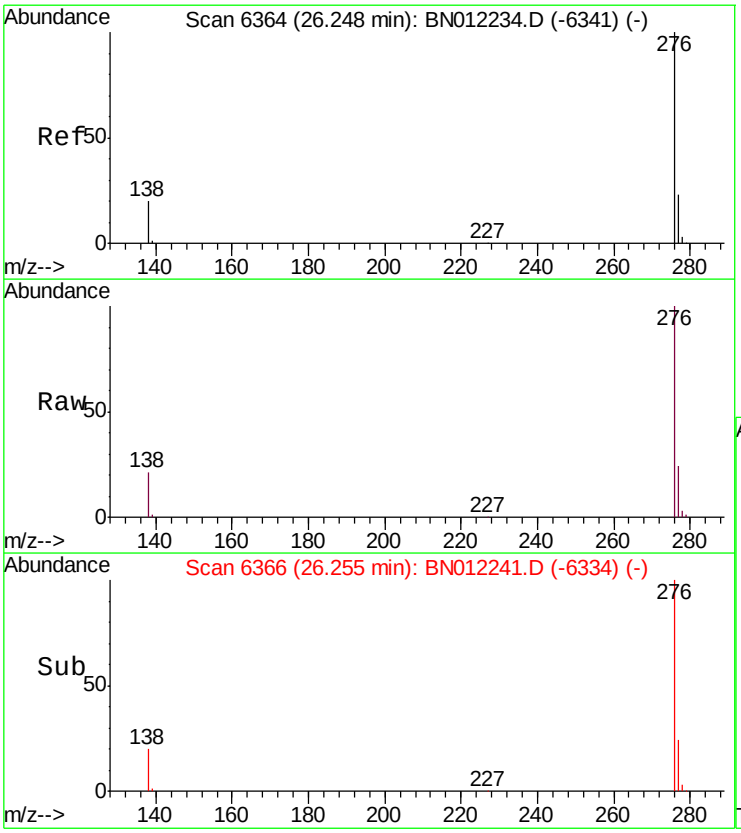
Tgt Ion:278 Resp: 157521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.1 | 15.7 | 23.5 |
| 279 | 24.1 | 26.0 | 39.0# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AS9

**Manual Integrations APPROVED**
mohammad
10/19/2020 1:20:13 PM




#26
Benzo(g,h,i)perylene
Concen: 10.440 ng/ul
RT: 26.25 min Scan# 6366
Delta R.T. 0.01 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:276 Resp: 469492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.5 | 17.1 | 25.7 |
| 277 | 24.0 | 21.1 | 31.7 |