Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
Data File : BN008968.D
Acq On : 13 Dec 2019 15:14
Operator : JU
Sample : K6089-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** C0BR0DL

**Manual Integrations APPROVED**
mohammad
12/16/2019 12:23:46 PM

Quant Time: Dec 13 15:46:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 2658 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.31 | 136 | 11379 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.18 | 164 | 7303 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.93 | 188 | 16304 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.13 | 240 | 13668 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.28 | 264 | 13253 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.91 | 152 | 762 | 0.04 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.96 | 212 | 2234 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.36 | 128 | 2131 | 0.062 | ng/ul# | 90 |
| 5) 2-Methylnaphthalene | 11.98 | 142 | 2096 | 0.088 | ng/ul | 99 |
| 7) Acenaphthylene | 13.90 | 152 | 3543 | 0.088 | ng/ul | 96 |
| 9) Fluorene | 15.24 | 166 | 1633 | 0.046 | ng/ul# | 90 |
| 12) Phenanthrene | 16.97 | 178 | 38716 | 0.704 | ng/ul | 99 |
| 13) Anthracene | 17.06 | 178 | 5902 | 0.114 | ng/ul | 96 |
| 15) Fluoranthene | 18.99 | 202 | 83324 | 1.233 | ng/ul | 99 |
| 17) Pyrene | 19.36 | 202 | 72151 | 1.316 | ng/ul | 95 |
| 18) Benzo(a)anthracene | 21.12 | 228 | 34672 | 0.631 | ng/ul | 97 |
| 19) Chrysene | 21.17 | 228 | 39548 | 0.733 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 22.64 | 252 | 44508m | 0.814 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.68 | 252 | 15189m | 0.280 | ng/ul | |
| 23) Benzo(a)pyrene | 23.18 | 252 | 29383 | 0.573 | ng/ul | 98 |
| 24) Indeno(1,2,3-cd)pyrene | 25.38 | 276 | 19227 | 0.320 | ng/ul# | 93 |
| 25) Dibenzo(a,h)anthracene | 25.39 | 278 | 5773 | 0.119 | ng/ul# | 82 |
| 26) Benzo(g,h,i)perylene | 26.03 | 276 | 20606 | 0.411 | ng/ul | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
Data File : BN008968.D
Acq On : 13 Dec 2019 15:14
Operator : JU
Sample : K6089-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 13 15:46:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

**Manual Integrations APPROVED**
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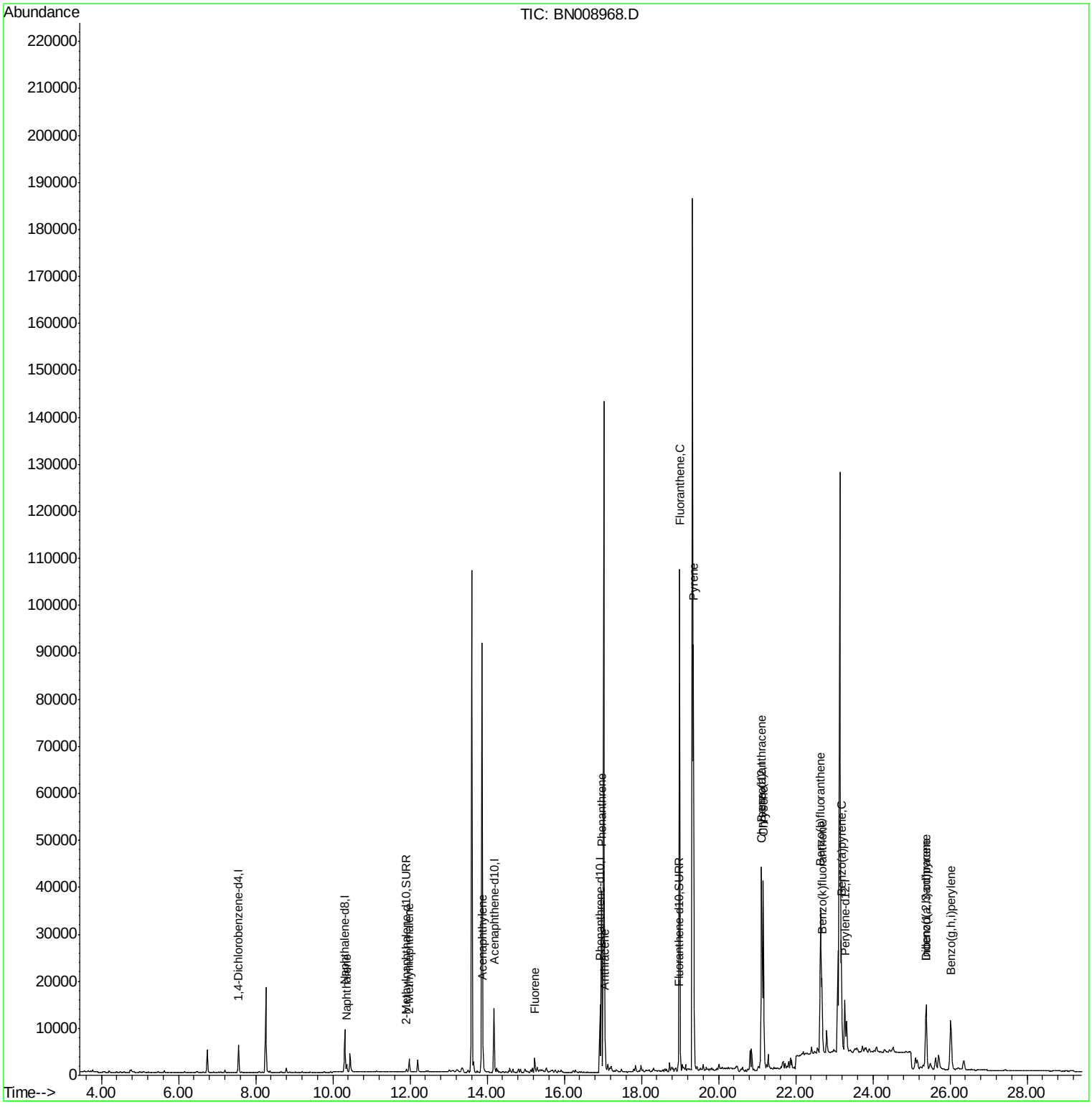
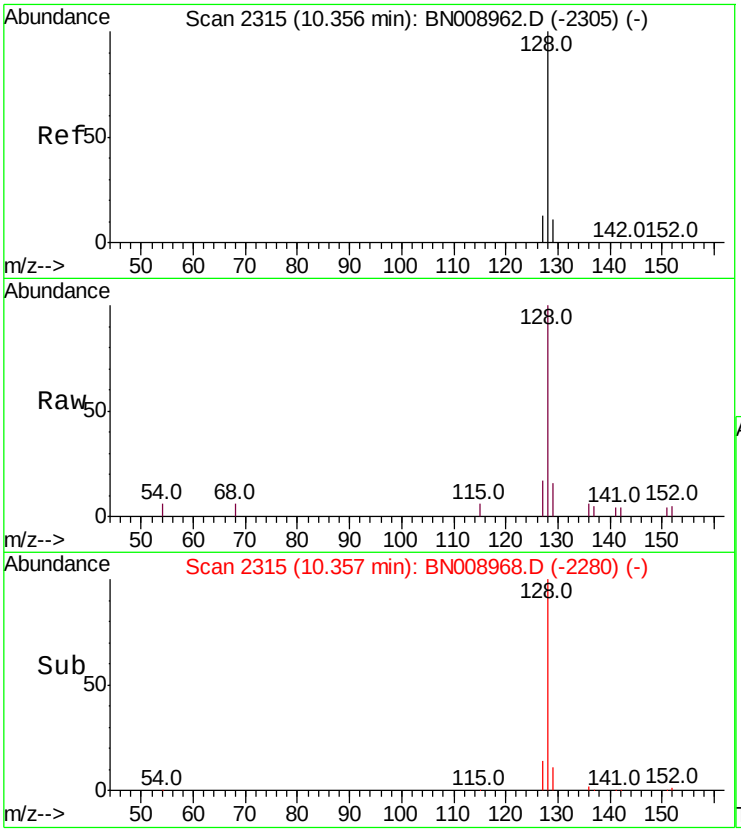
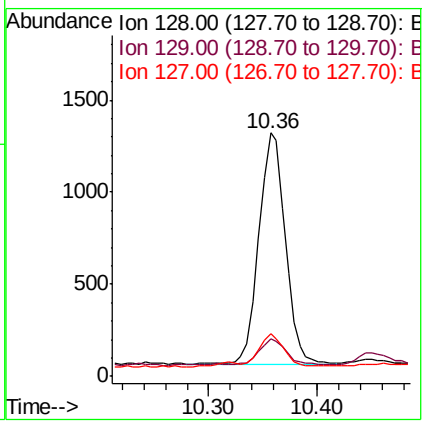





#3
Naphthalene
Concen: 0.062 ng/ul
RT: 10.36 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:128 Resp: 2131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.6 | 9.1 | 13.7# |
| 127 | 17.3 | 10.7 | 16.1# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

**Manual Integrations APPROVED**
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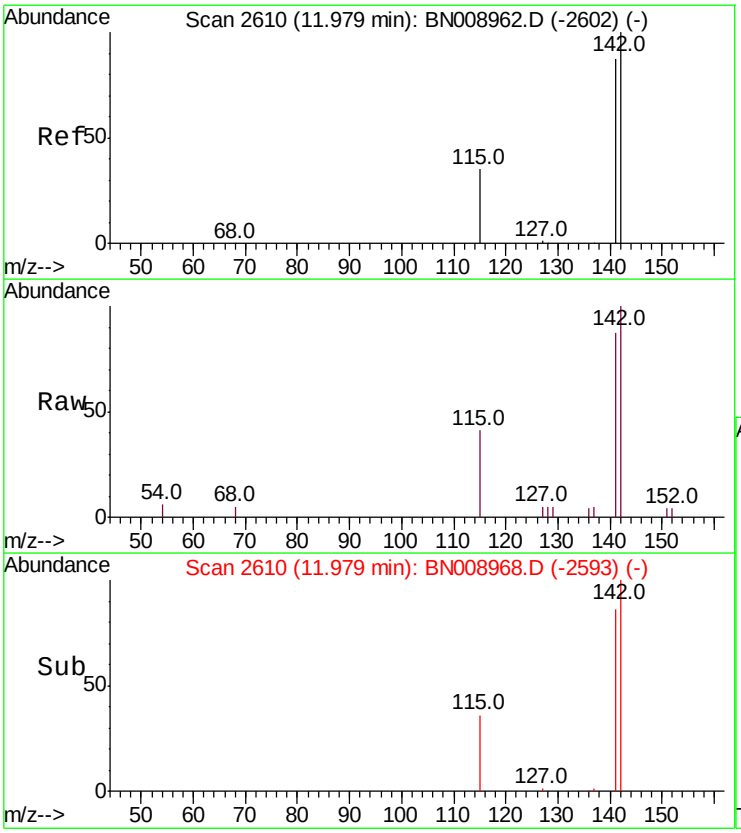
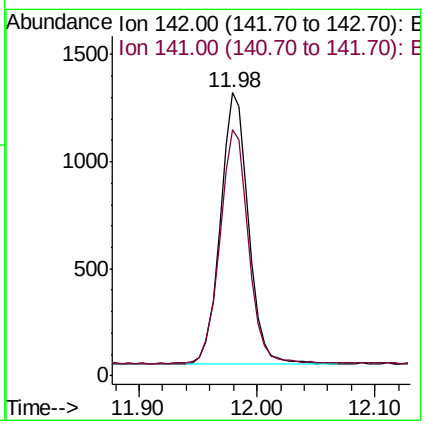
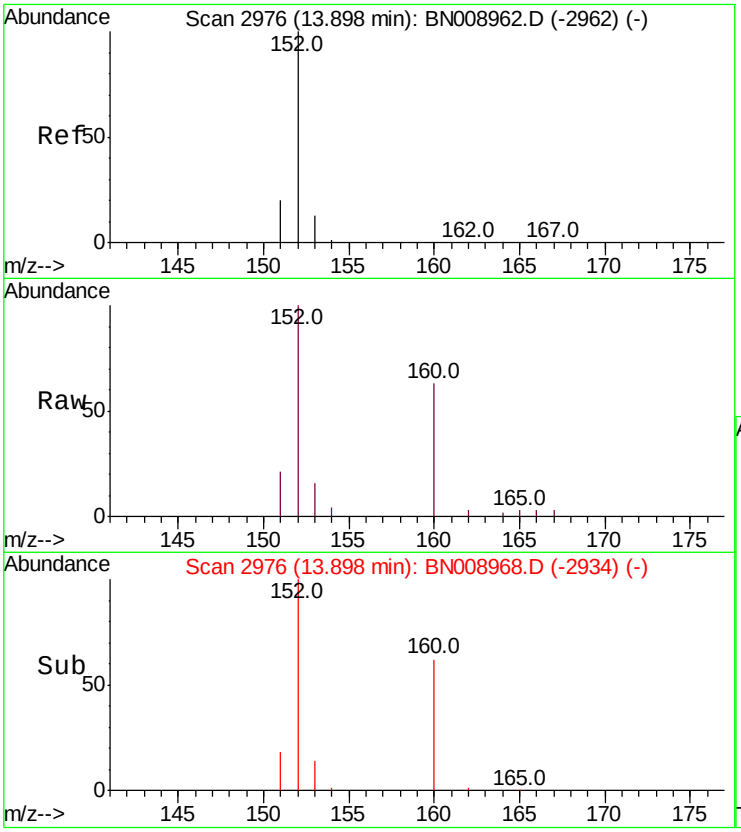



#5
2-Methylnaphthalene
Concen: 0.088 ng/ul
RT: 11.98 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:142 Resp: 2096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.0 | 70.1 | 105.1 |

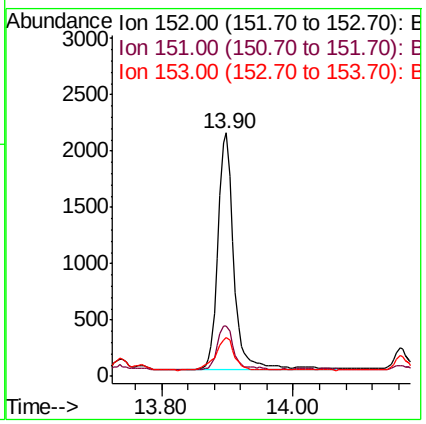





#7
Acenaphthylene
Concen: 0.088 ng/ul
RT: 13.90 min Scan# 2976
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:152 Resp: 3543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.9 | 15.8 | 23.6 |
| 153 | 15.7 | 10.6 | 15.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

**Manual Integrations APPROVED**
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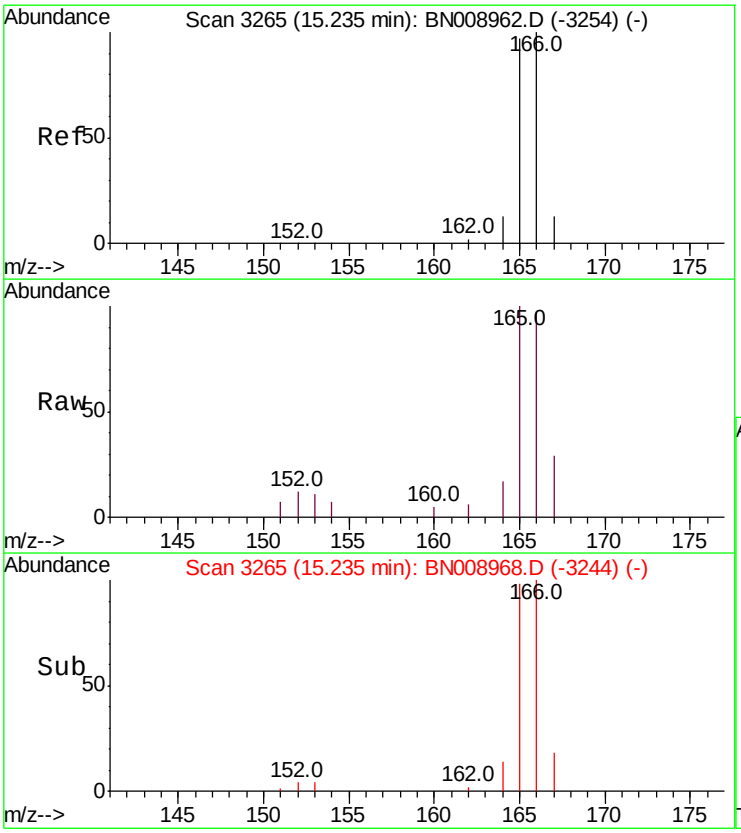
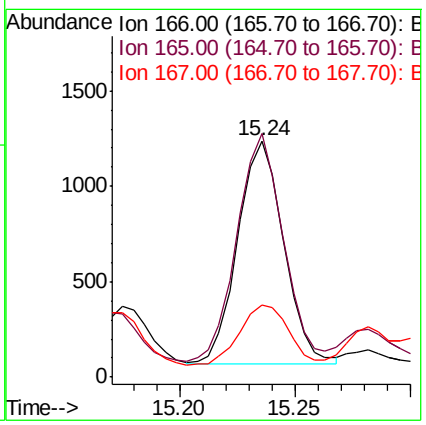
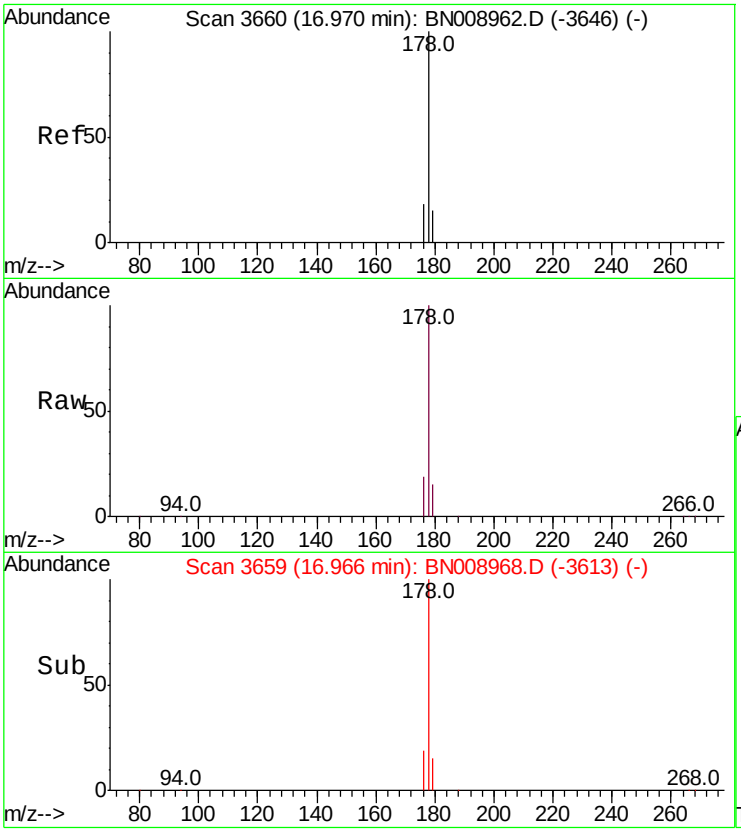



#9
Fluorene
Concen: 0.046 ng/ul
RT: 15.24 min Scan# 3265
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:166 Resp: 1633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 103.2 | 77.7 | 116.5 |
| 167 | 30.4 | 11.1 | 16.7# |

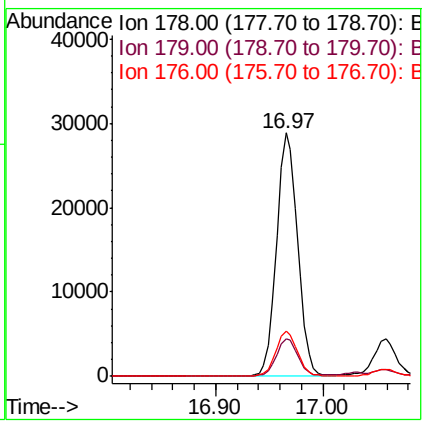





#12
Phenanthrene
Concen: 0.704 ng/ul
RT: 16.97 min Scan# 3659
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:178 Resp: 38716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.6 | 18.8 |
| 176 | 18.8 | 15.3 | 22.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

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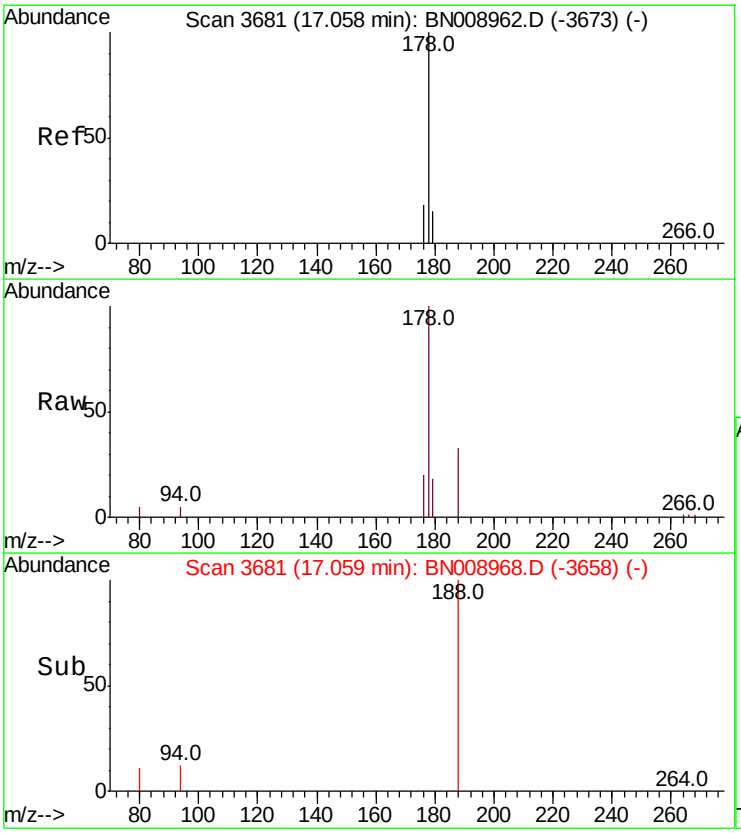
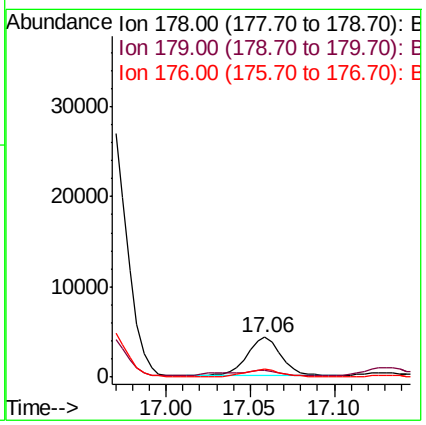
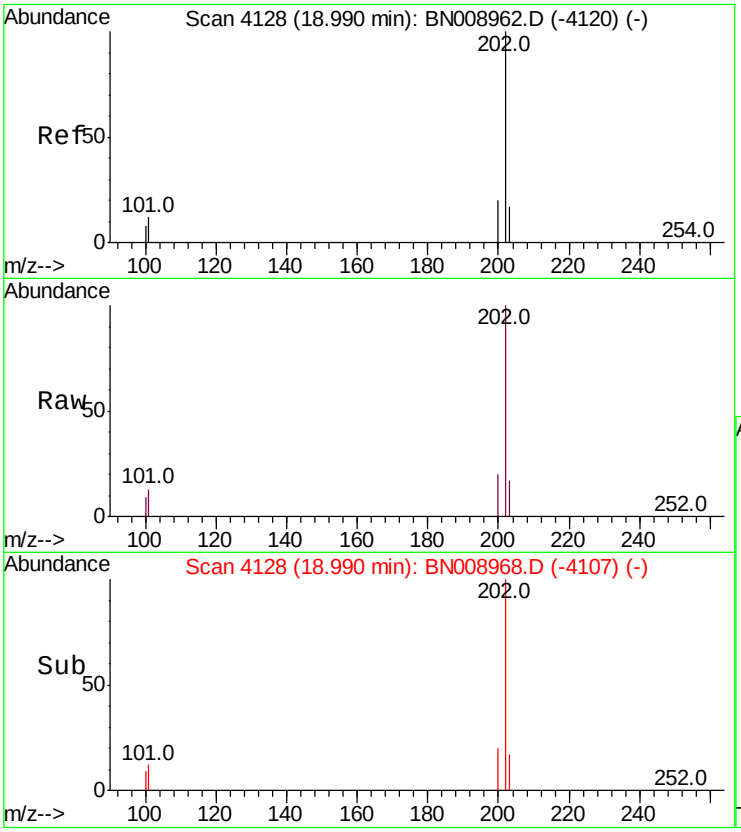



#13
Anthracene
Concen: 0.114 ng/ul
RT: 17.06 min Scan# 3681
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:178 Resp: 5902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.6 | 12.2 | 18.4 |
| 176 | 19.5 | 14.7 | 22.1 |

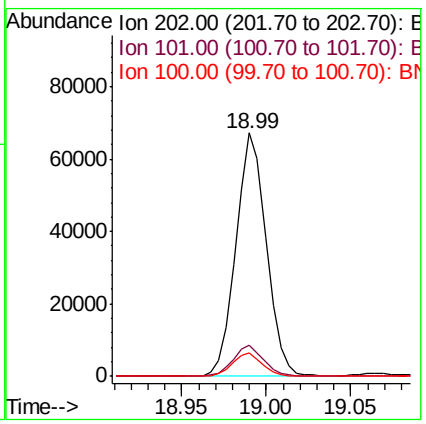





#15
Fluoranthene
Concen: 1.233 ng/ul
RT: 18.99 min Scan# 4128
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:202 Resp: 83324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 0.0 | 32.4 |
| 100 | 9.4 | 0.0 | 29.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

**Manual Integrations APPROVED**
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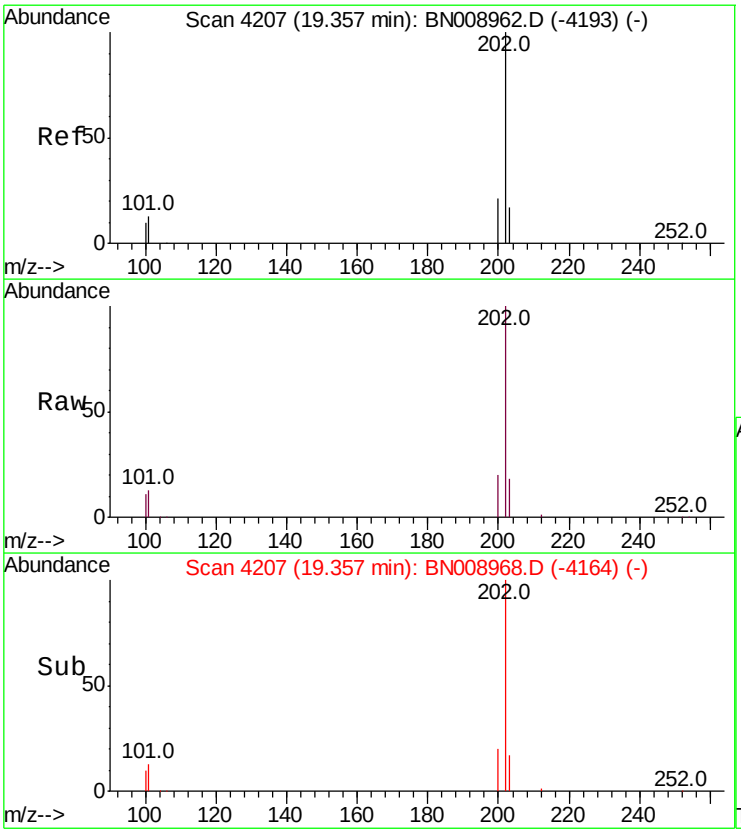
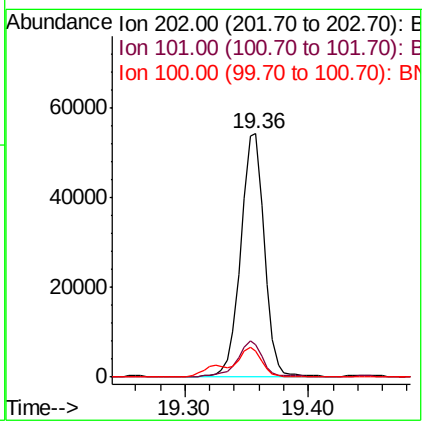
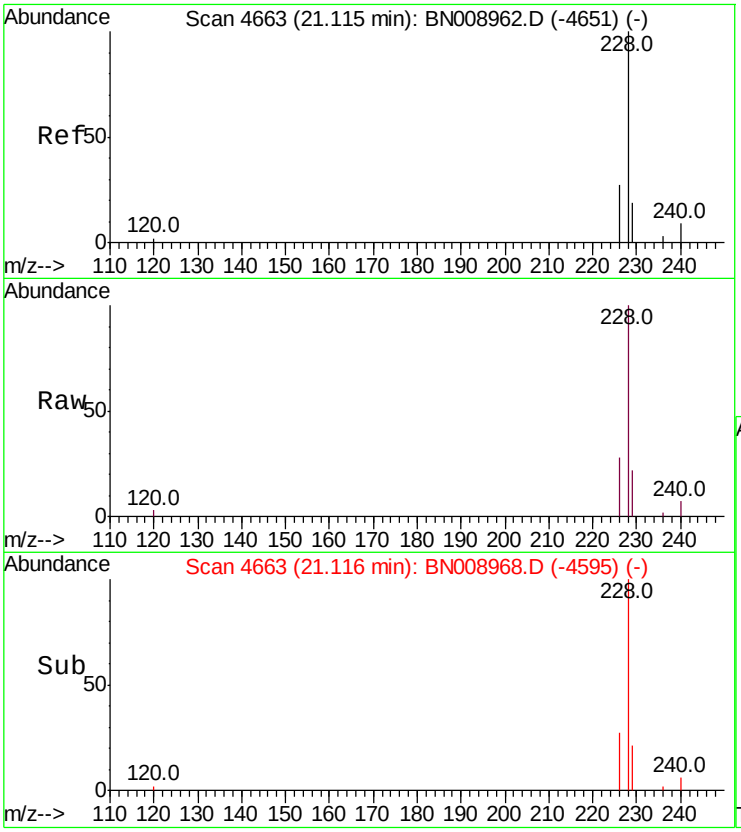



#17
Pyrene
Concen: 1.316 ng/ul
RT: 19.36 min Scan# 4207
Delta R.T. 0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:202 Resp: 72151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 12.2 | 18.4 |
| 100 | 10.5 | 9.5 | 14.3 |

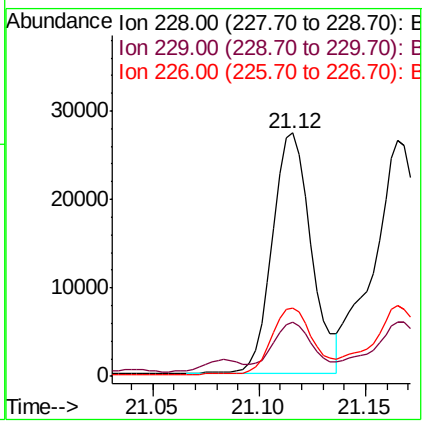





#18
Benzo(a)anthracene
Concen: 0.631 ng/ul
RT: 21.12 min Scan# 4663
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:228 Resp: 34672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.1 | 15.7 | 23.5 |
| 226 | 27.8 | 21.5 | 32.3 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

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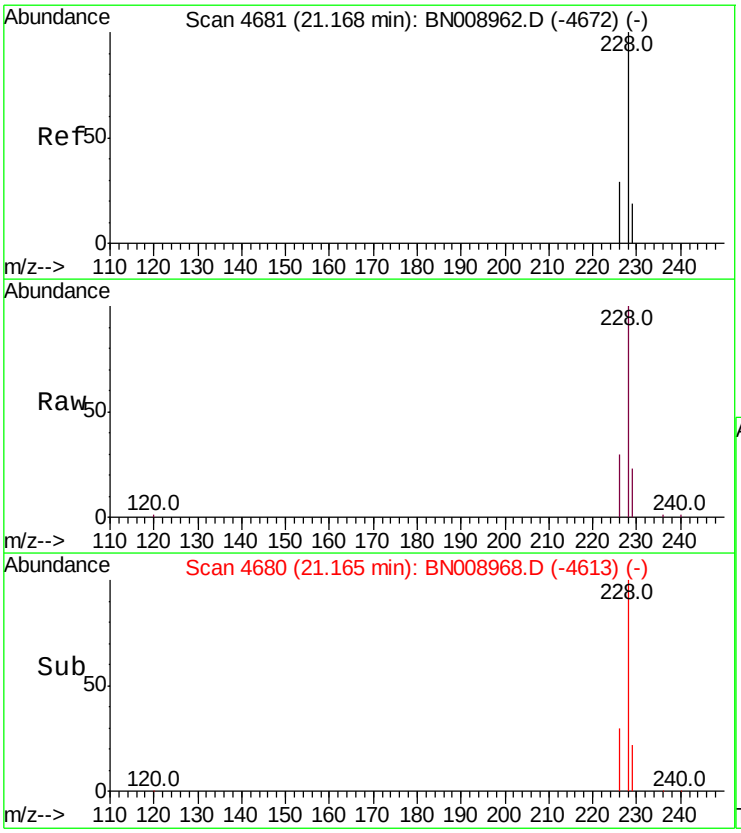
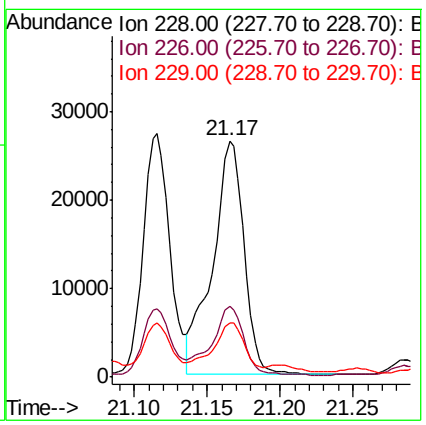
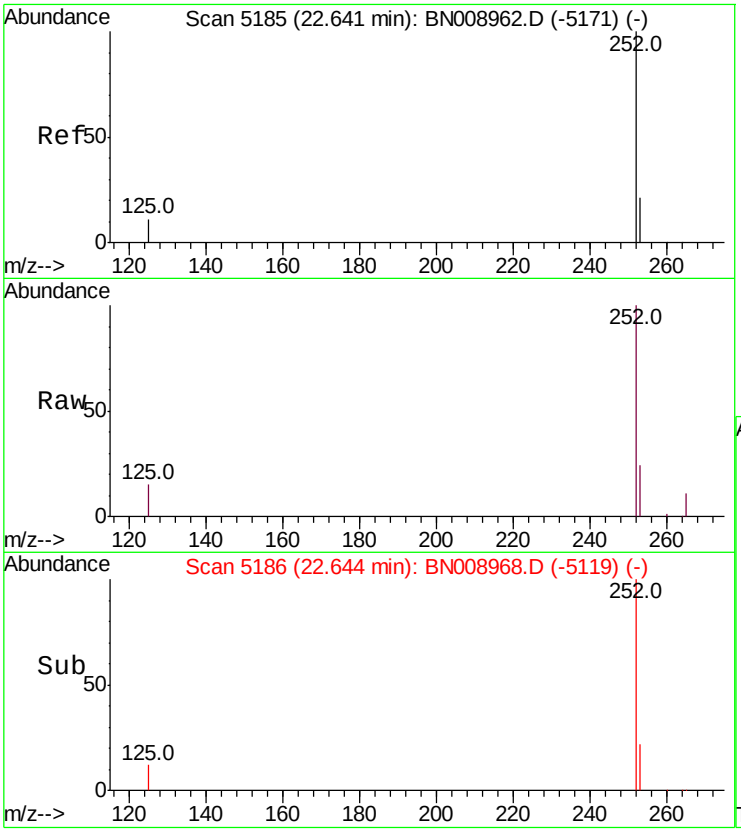



#19
Chrysene
Concen: 0.733 ng/ul
RT: 21.17 min Scan# 4680
Delta R.T. -0.01 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:228 Resp: 39548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.8 | 35.6 |
| 229 | 23.1 | 15.6 | 23.4 |






#21
Benzo(b)fluoranthene
Concen: 0.814 ng/ul m
RT: 22.64 min Scan# 5186
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:252 Resp: 44508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 0.0 | 48.6 |
| 125 | 14.6 | 0.0 | 31.6 |

**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

**Manual Integrations APPROVED**
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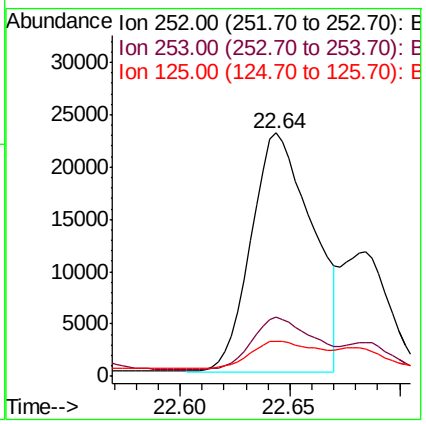
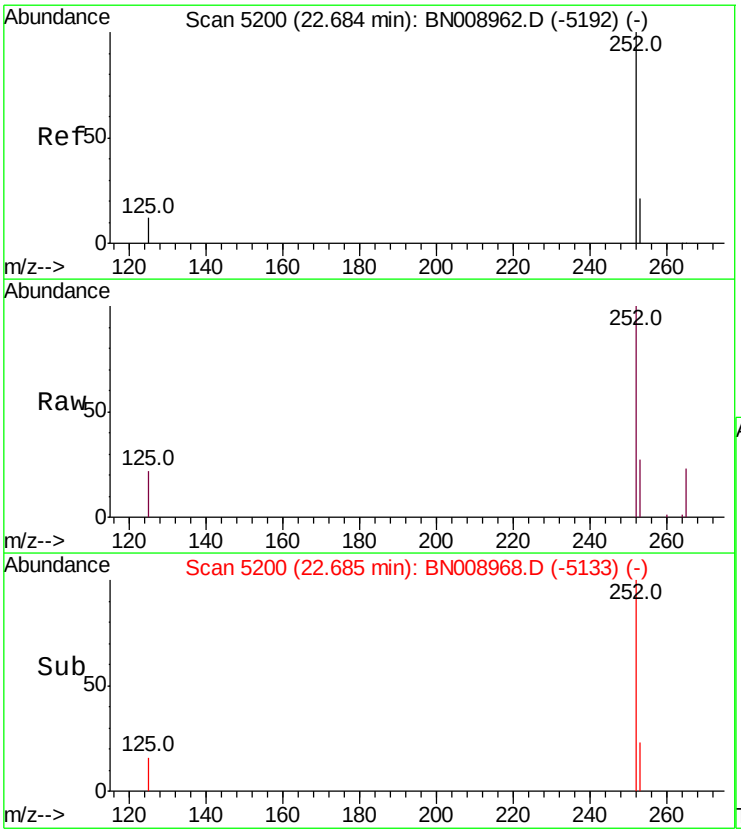
12/16/2019 12:23:46 PM

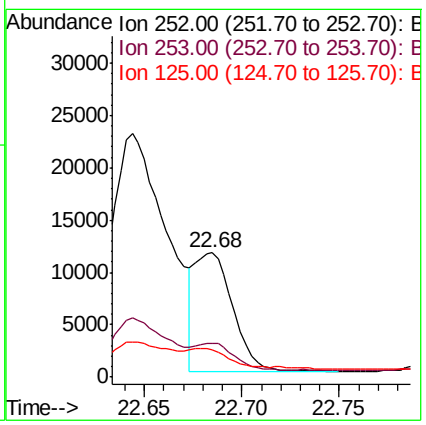


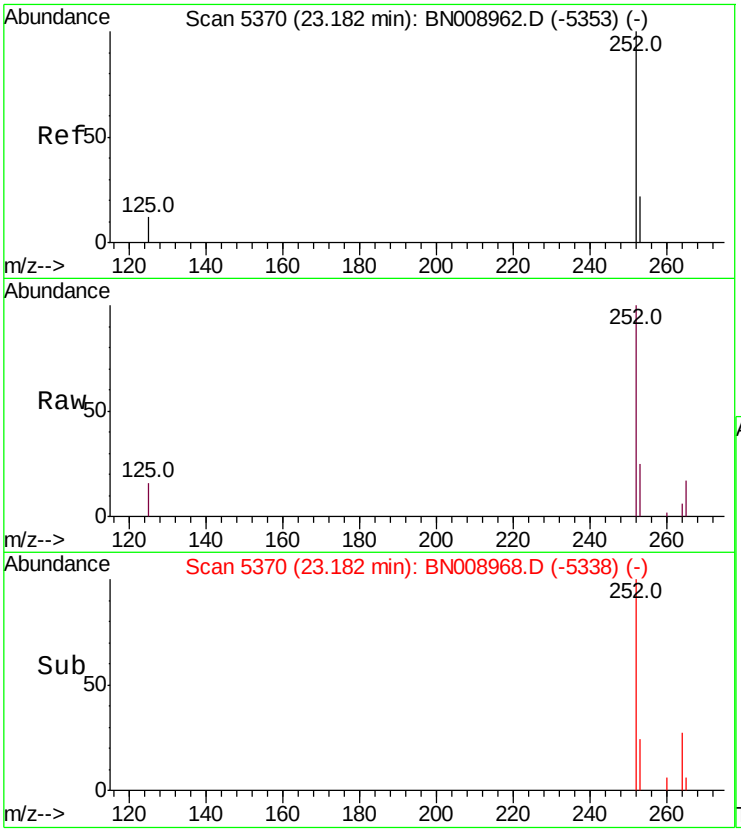




#22
Benzo(k)fluoranthene
Concen: 0.280 ng/ul m
RT: 22.68 min Scan# 5200
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:252 Resp: 15189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.4 | 19.6 | 29.4 |
| 125 | 22.1 | 13.8 | 20.6# |

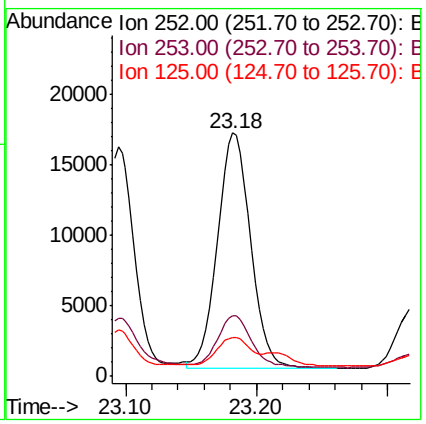





#23
Benzo(a)pyrene
Concen: 0.573 ng/ul
RT: 23.18 min Scan# 5370
Delta R.T. -0.01 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:252 Resp: 29383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 19.9 | 29.9 |
| 125 | 16.1 | 14.6 | 22.0 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

**Manual Integrations APPROVED**
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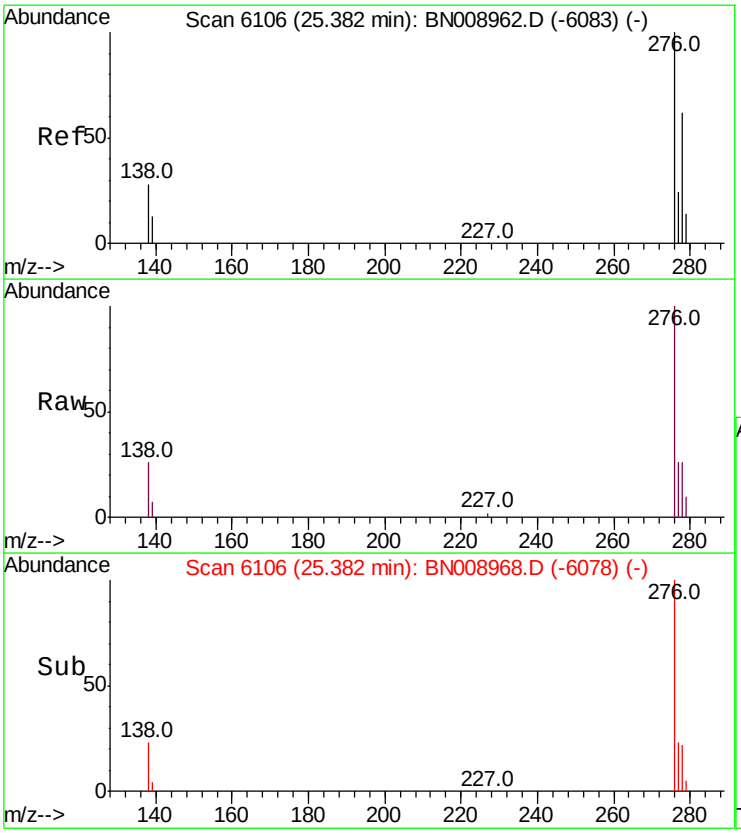
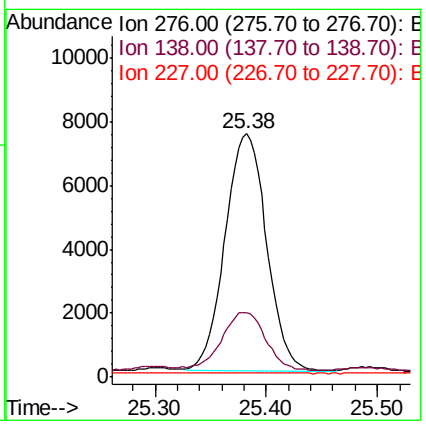
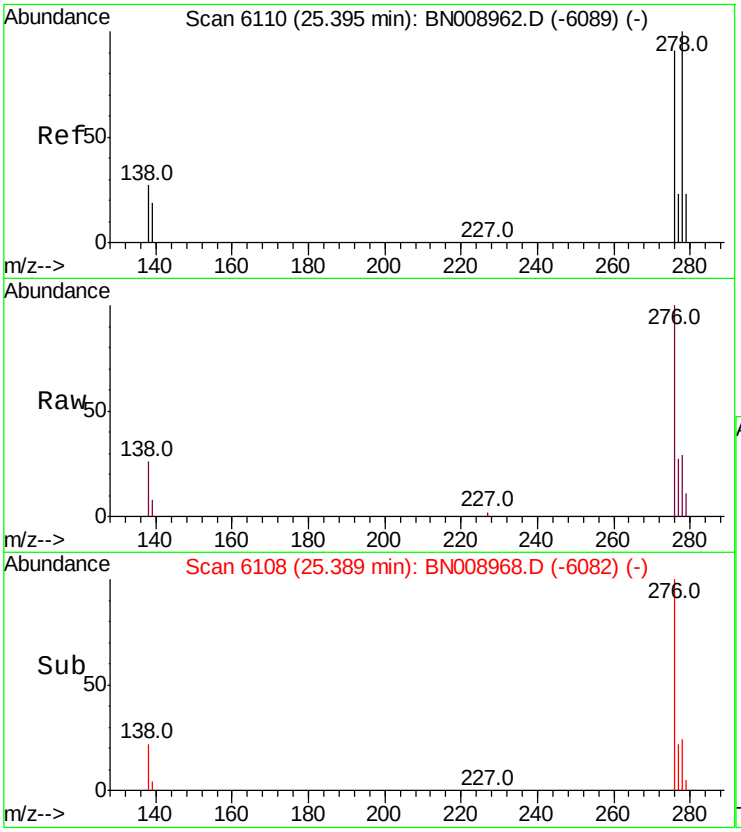



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.320 ng/ul
RT: 25.38 min Scan# 6106
Delta R.T. -0.01 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:276 Resp: 19227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.7 | 23.8 | 35.6 |
| 227 | 0.1 | 0.2 | 0.2# |






#25
Dibenzo(a,h)anthracene
Concen: 0.119 ng/ul
RT: 25.39 min Scan# 6108
Delta R.T. -0.01 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:278 Resp: 5773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 27.2 | 17.4 | 26.0# |
| 279 | 37.8 | 20.5 | 30.7# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0BR0DL

**Manual Integrations APPROVED**
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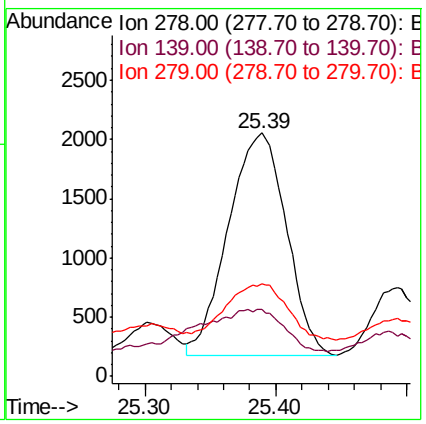


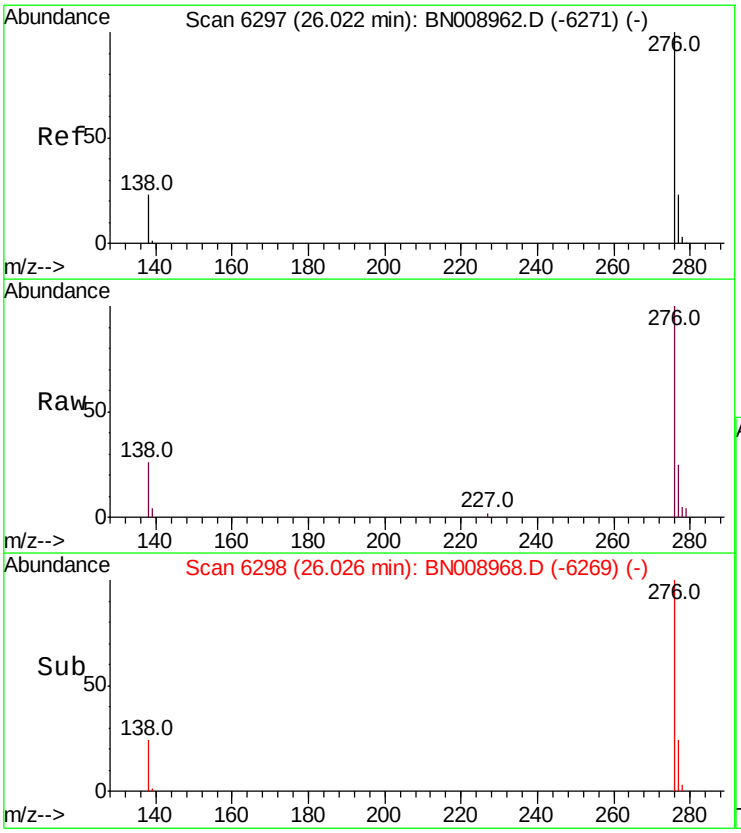


#26
Benzo(g,h,i)perylene
Concen: 0.411 ng/ul
RT: 26.03 min Scan# 6298
Delta R.T. -0.00 min
Lab File: BN008968.D
Acq: 13 Dec 2019 15:14

Tgt Ion:276 Resp: 20606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.2 | 21.9 | 32.9 |
| 277 | 25.3 | 19.9 | 29.9 |