Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072920\
Data File : BN011290.D
Acq On : 29 Jul 2020 13:21
Operator : CG/JU
Sample : L3388-02DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 14:01:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN072020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 11:20:12 2020
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** C0AD0DL

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.48 | 152 | 1452 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.22 | 136 | 5267 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.11 | 164 | 3203 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.86 | 188 | 7370 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.08 | 240 | 6961 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.21 | 264 | 6321 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.83 | 152 | 400 | 0.03 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.90 | 212 | 1125 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.27 | 128 | 800 | 0.051 | ng/ul# | 84 |
| 5) 2-Methylnaphthalene | 11.91 | 142 | 243 | 0.024 | ng/ul | 83 |
| 7) Acenaphthylene | 13.82 | 152 | 487 | 0.031 | ng/ul# | 72 |
| 8) Acenaphthene | 14.17 | 153 | 611 | 0.050 | ng/ul | 96 |
| 9) Fluorene | 15.17 | 166 | 582 | 0.042 | ng/ul# | 96 |
| 12) Phenanthrene | 16.90 | 178 | 12534 | 0.516 | ng/ul | 99 |
| 13) Anthracene | 17.00 | 178 | 2593 | 0.130 | ng/ul | 96 |
| 15) Fluoranthene | 18.93 | 202 | 27539 | 1.015 | ng/ul | 99 |
| 17) Pyrene | 19.30 | 202 | 24211 | 0.651 | ng/ul | 100 |
| 18) Benzo(a)anthracene | 21.07 | 228 | 15193 | 0.617 | ng/ul | 98 |
| 19) Chrysene | 21.12 | 228 | 15203 | 0.464 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 22.59 | 252 | 19108m | 0.700 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.62 | 252 | 7513m | 0.240 | ng/ul | |
| 23) Benzo(a)pyrene | 23.12 | 252 | 10781 | 0.470 | ng/ul# | 89 |
| 24) Indeno(1,2,3-cd)pyrene | 25.29 | 276 | 7048 | 0.260 | ng/ul# | 97 |
| 25) Dibenzo(a,h)anthracene | 25.29 | 278 | 2042 | 0.100 | ng/ul# | 78 |
| 26) Benzo(g,h,i)perylene | 25.91 | 276 | 4491 | 0.167 | ng/ul | 95 |

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

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**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

**Manual Integrations APPROVED**
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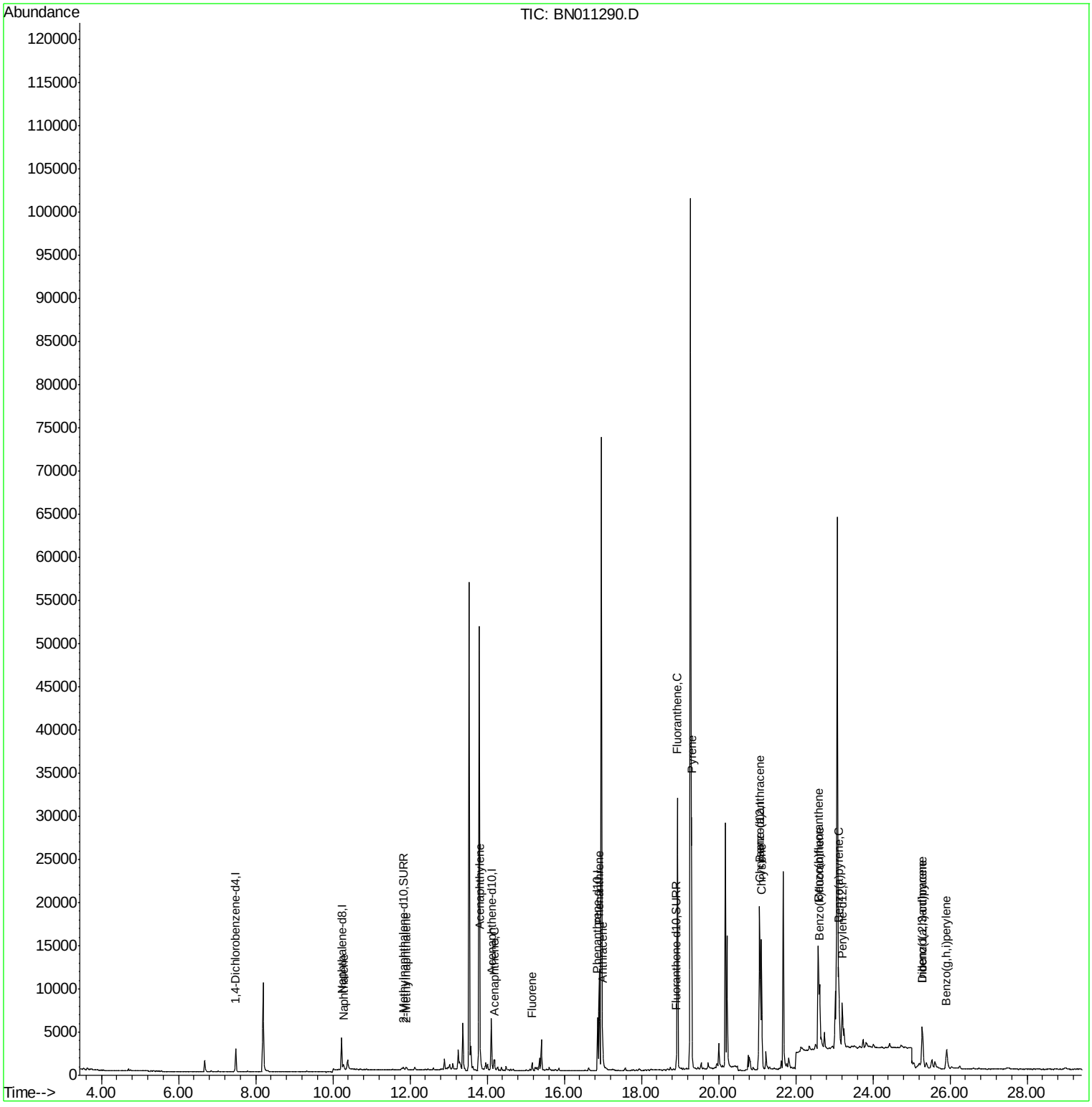

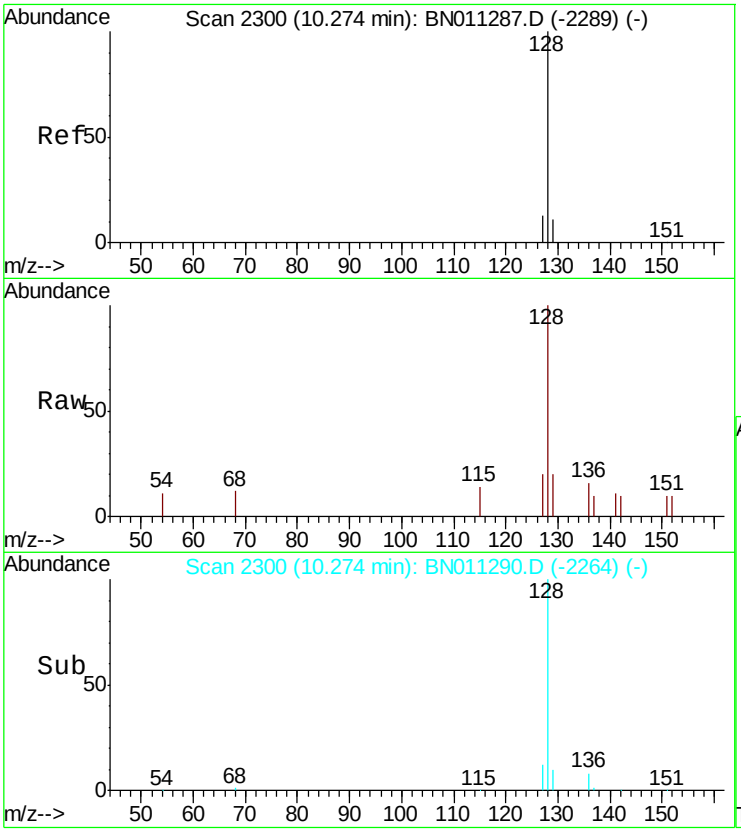


#3
Naphthalene
Concen: 0.051 ng/ul
RT: 10.27 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:128 Resp: 800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 20.3 | 9.9 | 14.9# |
| 127 | 20.5 | 12.1 | 18.1# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

**Manual Integrations APPROVED**
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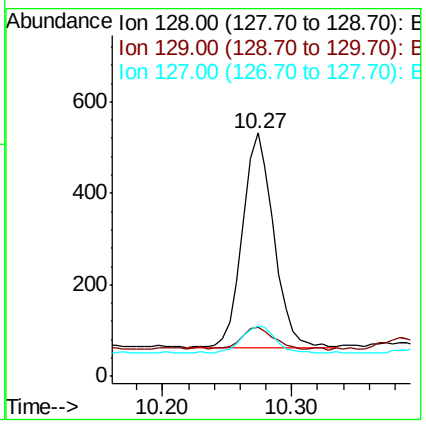
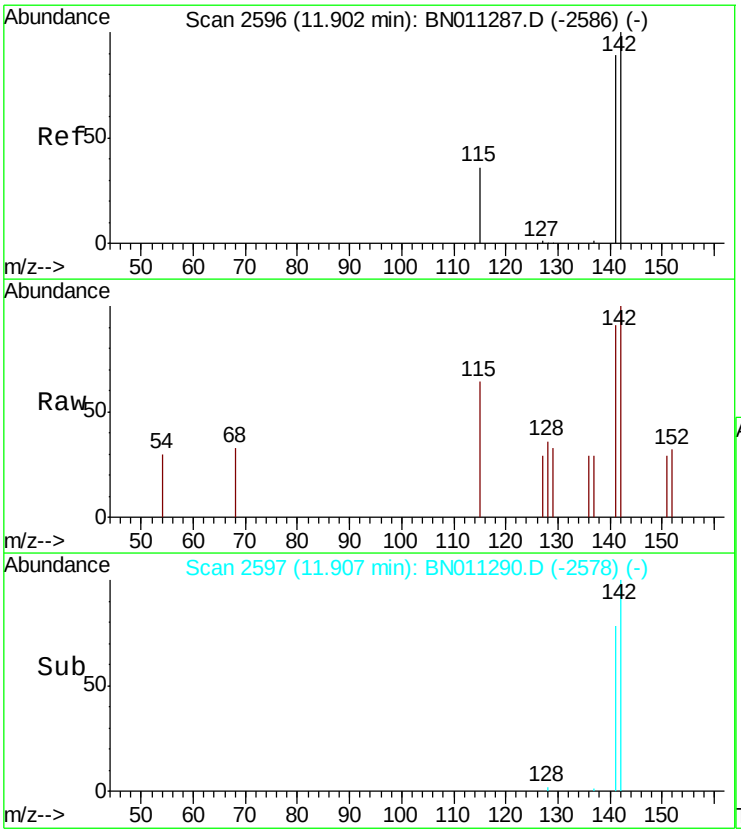
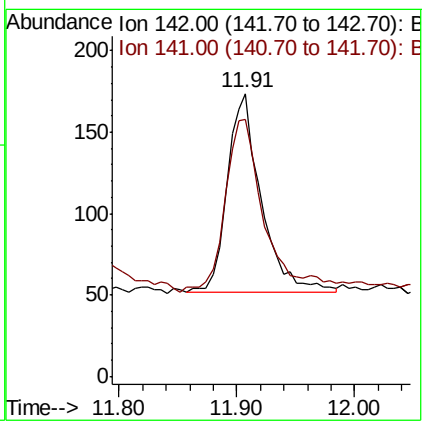


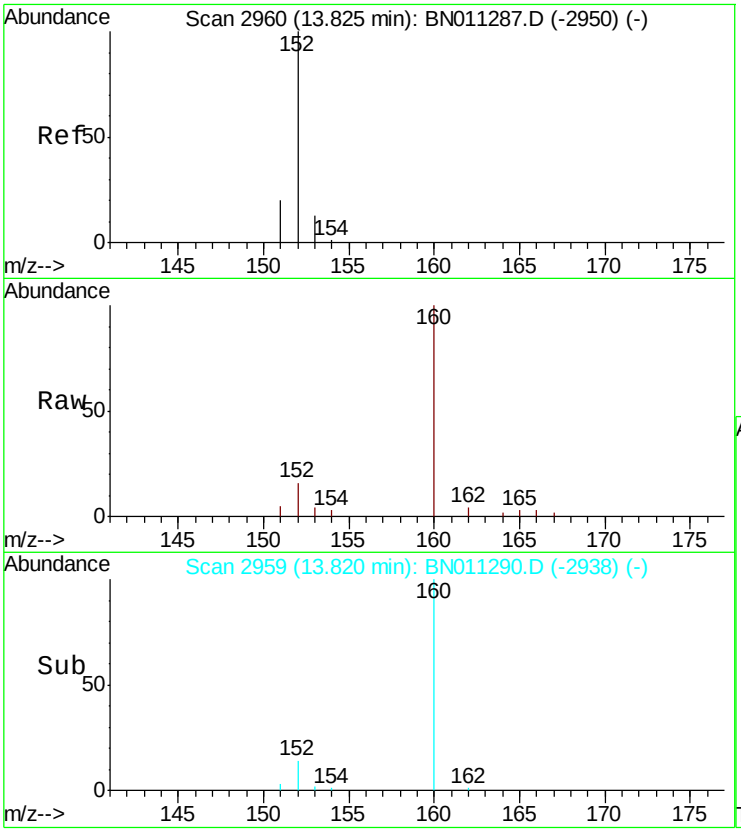




#5
2-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 11.91 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:142 Resp: 243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 105.3 | 71.3 | 106.9 |






#7
Acenaphthylene
Concen: 0.031 ng/ul
RT: 13.82 min Scan# 2959
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:152 Resp: 487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 33.1 | 16.7 | 25.1# |
| 153 | 27.5 | 11.6 | 17.4# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

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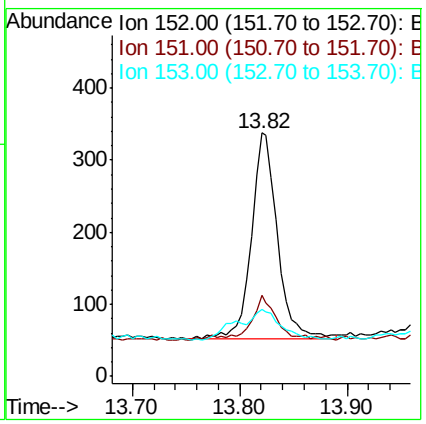
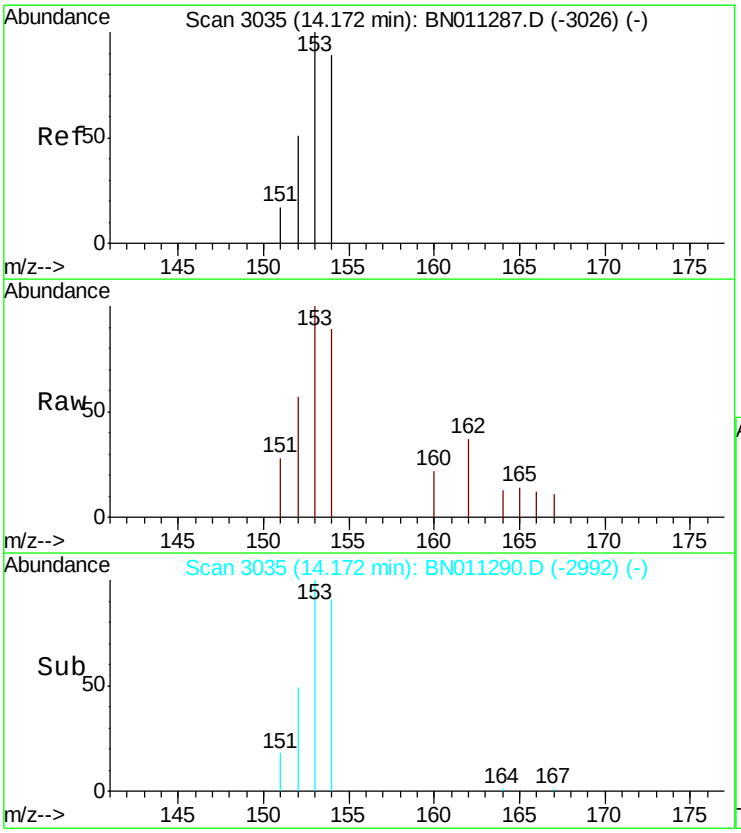
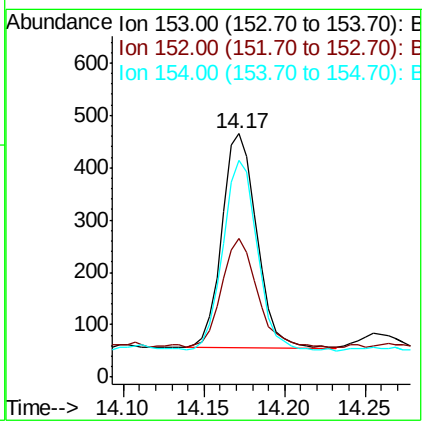


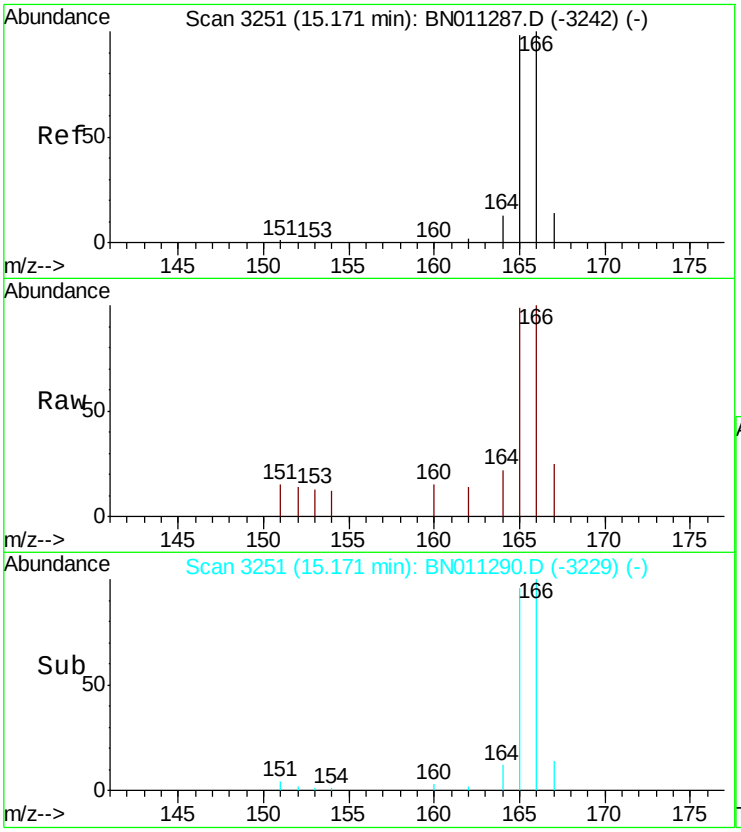




#8
Acenaphthene
Concen: 0.050 ng/ul
RT: 14.17 min Scan# 3035
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:153 Resp: 611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 56.8 | 40.8 | 61.2 |
| 154 | 89.2 | 70.6 | 105.8 |






#9
Fluorene
Concen: 0.042 ng/ul
RT: 15.17 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:166 Resp: 582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 79.3 | 118.9 |
| 167 | 25.3 | 11.8 | 17.8# |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

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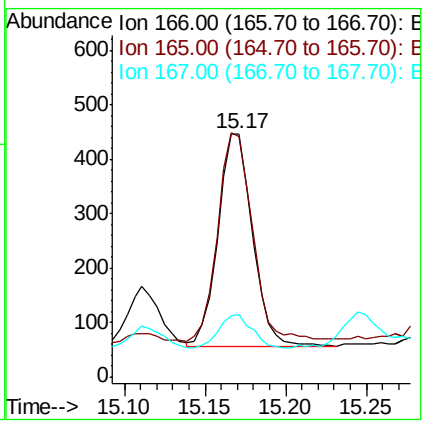
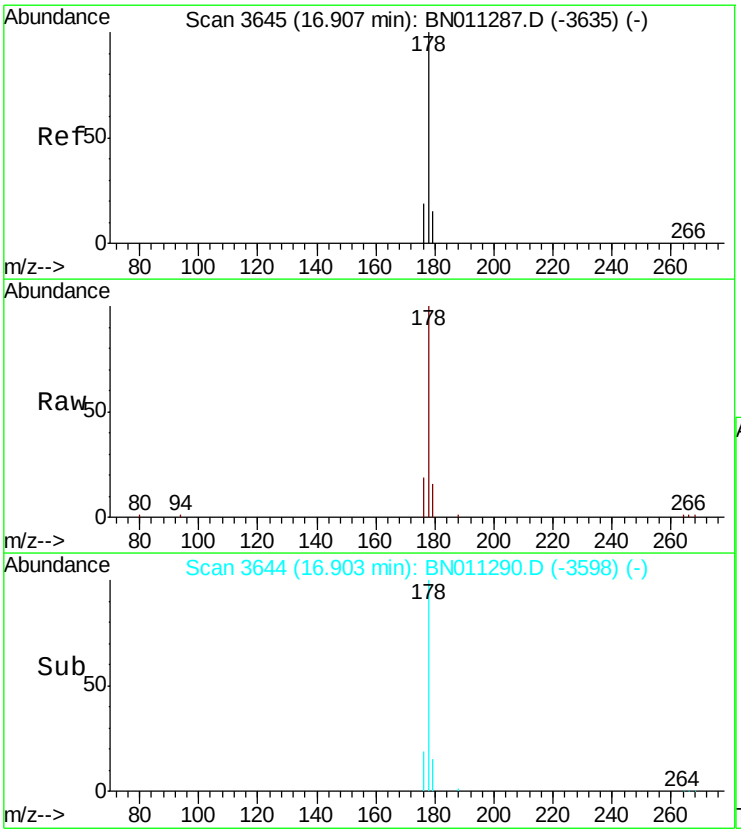
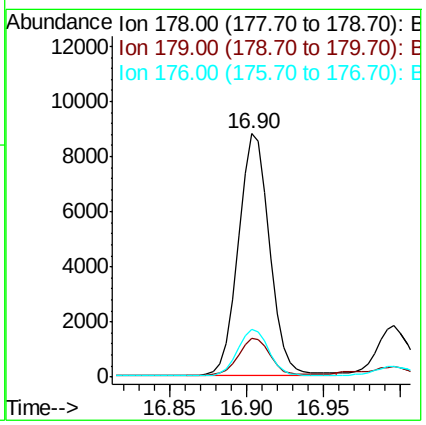


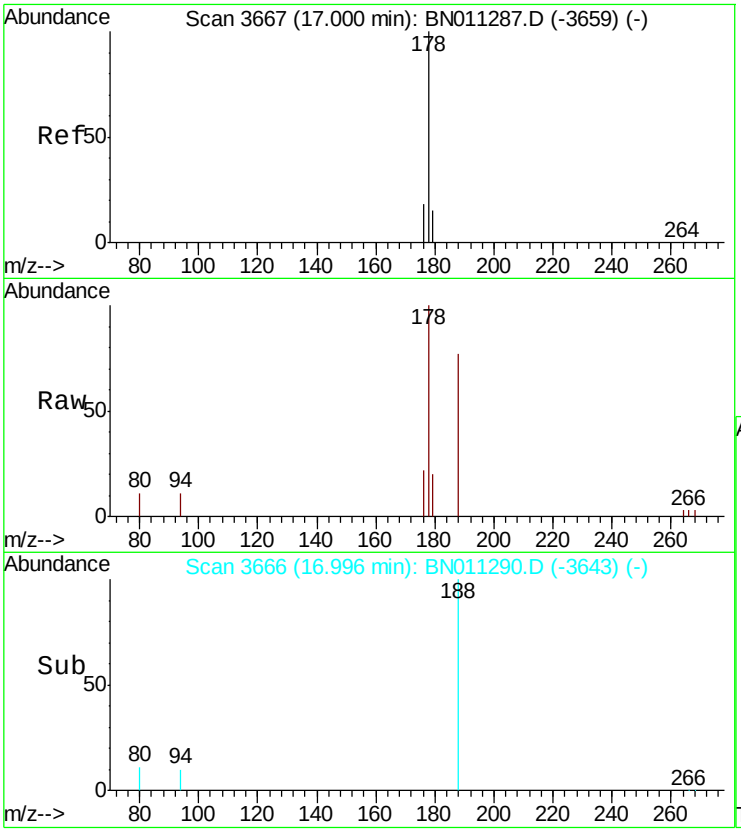




#12
Phenanthrene
Concen: 0.516 ng/ul
RT: 16.90 min Scan# 3644
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:178 Resp: 12534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.7 | 19.1 |
| 176 | 19.5 | 16.2 | 24.4 |






#13
Anthracene
Concen: 0.130 ng/ul
RT: 17.00 min Scan# 3666
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:178 Resp: 2593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.8 | 13.8 | 20.6 |
| 176 | 21.6 | 16.2 | 24.2 |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

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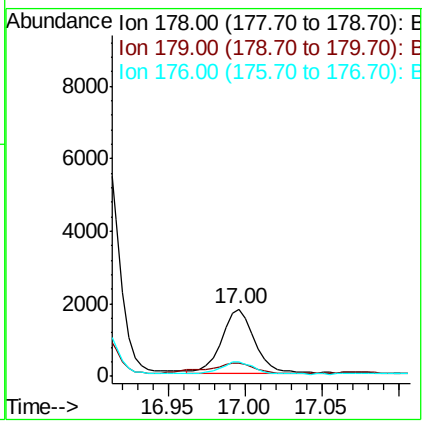
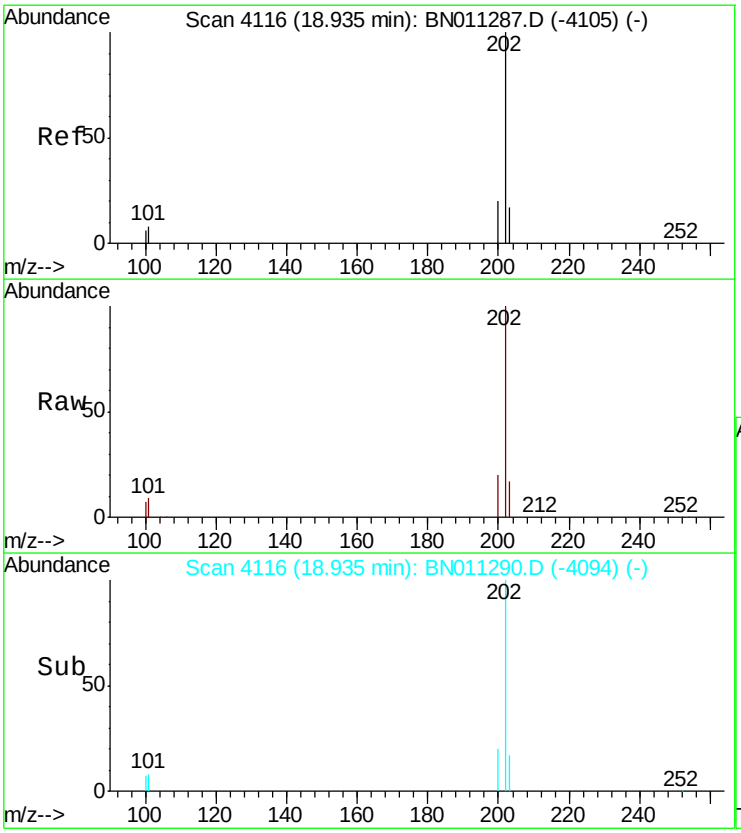
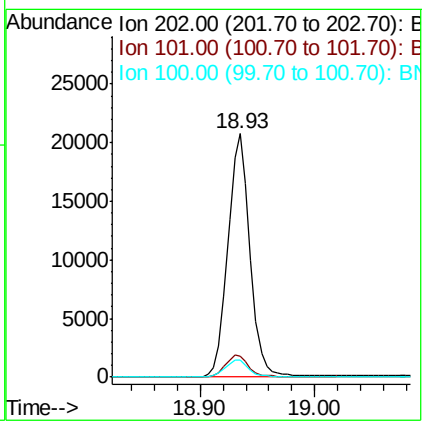


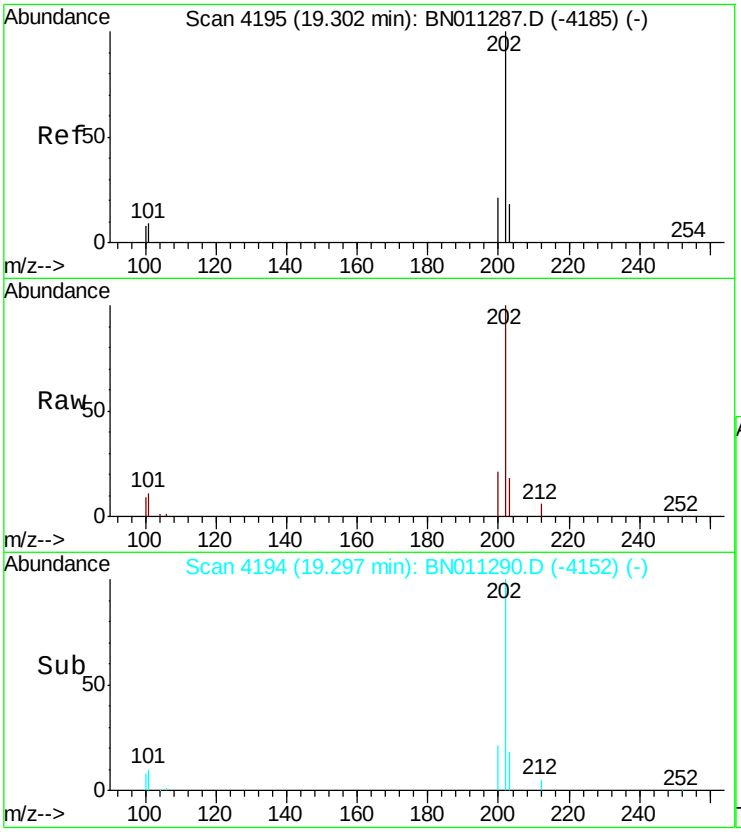




#15
Fluoranthene
Concen: 1.015 ng/ul
RT: 18.93 min Scan# 4116
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:202 Resp: 27539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.7 | 0.0 | 28.7 |
| 100 | 6.8 | 0.0 | 27.3 |






#17
Pyrene
Concen: 0.651 ng/ul
RT: 19.30 min Scan# 4194
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:202 Resp: 24211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 8.5 | 12.7 |
| 100 | 8.7 | 6.7 | 10.1 |

**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

**Manual Integrations APPROVED**
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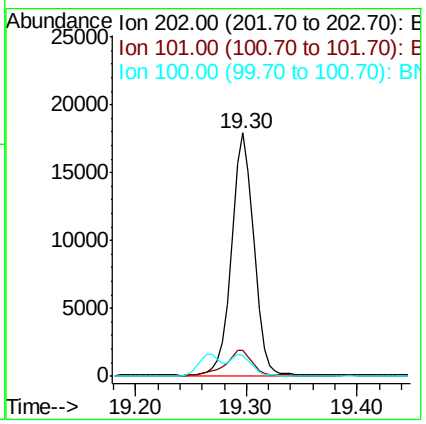
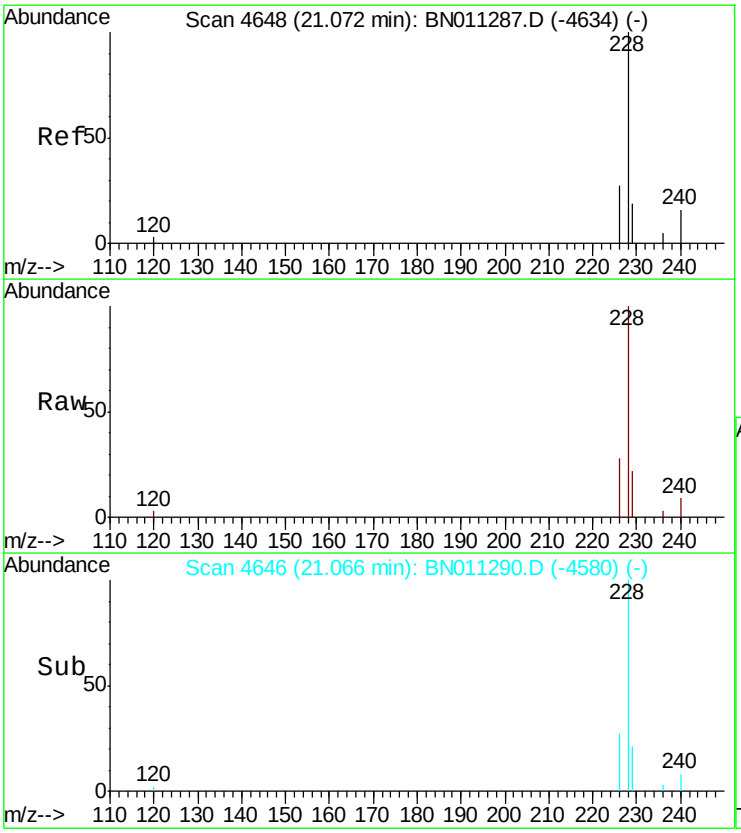
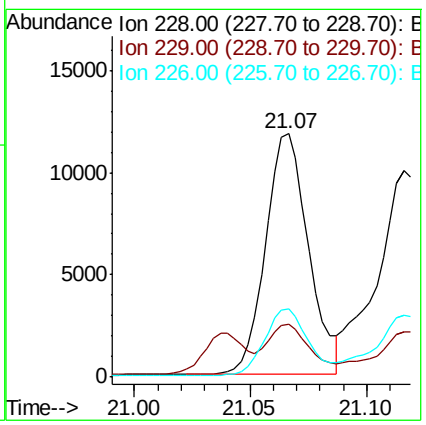


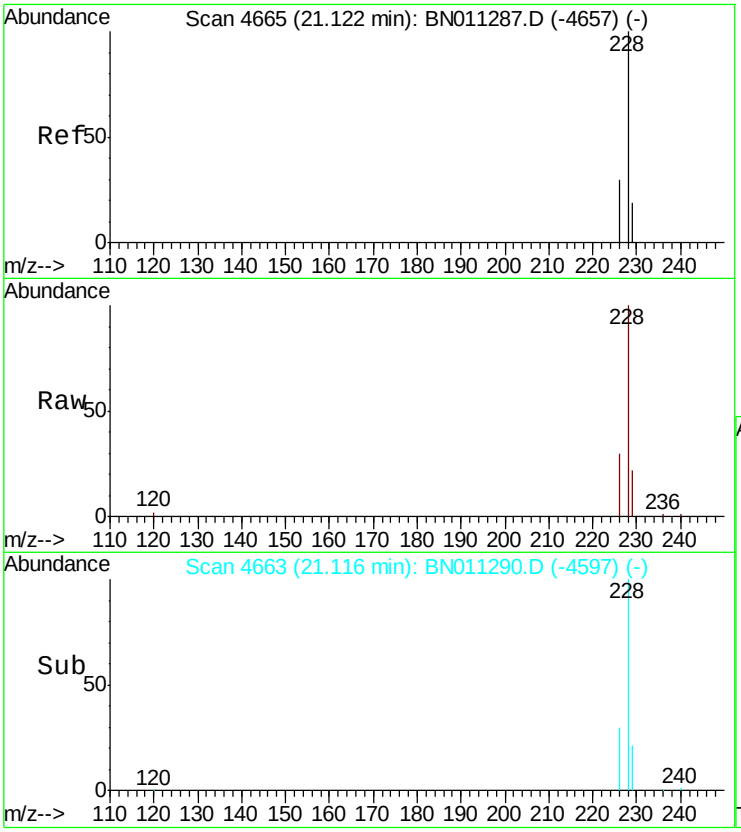




#18
Benzo(a)anthracene
Concen: 0.617 ng/ul
RT: 21.07 min Scan# 4646
Delta R.T. -0.01 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:228 Resp: 15193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.7 | 16.5 | 24.7 |
| 226 | 28.0 | 23.3 | 34.9 |

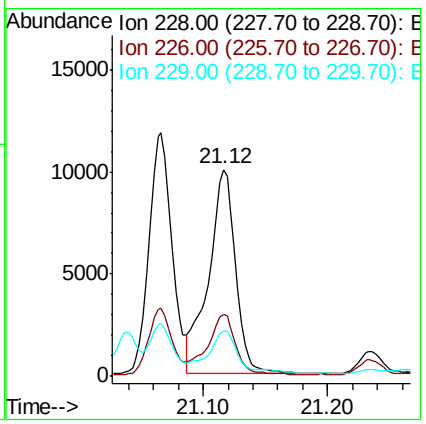





#19
Chrysene
Concen: 0.464 ng/ul
RT: 21.12 min Scan# 4663
Delta R.T. -0.01 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:228 Resp: 15203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.5 | 36.7 |
| 229 | 22.1 | 16.2 | 24.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

**Manual Integrations APPROVED**
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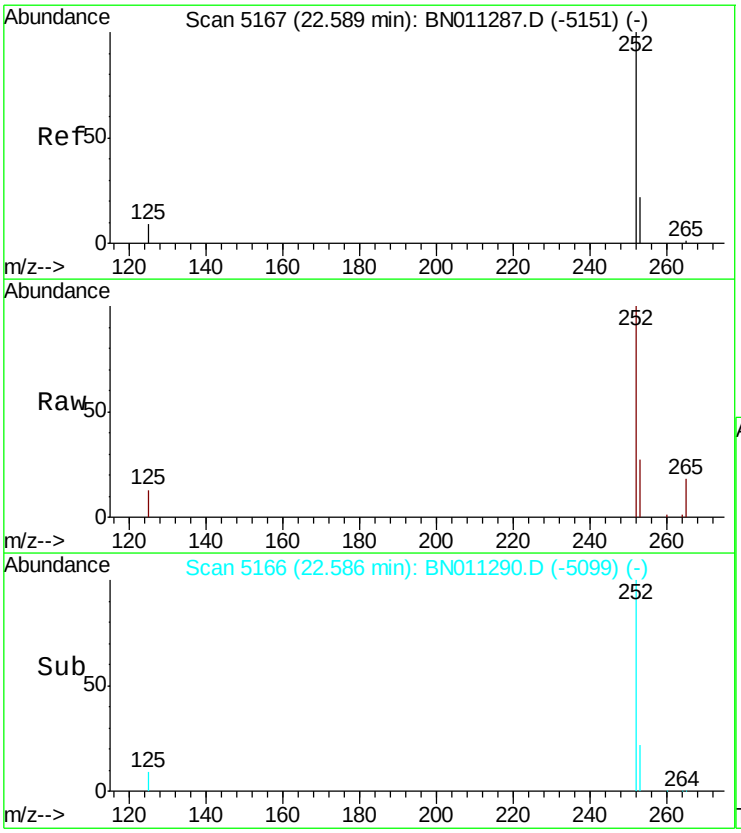
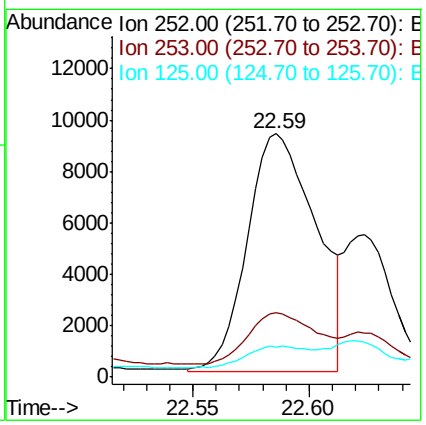
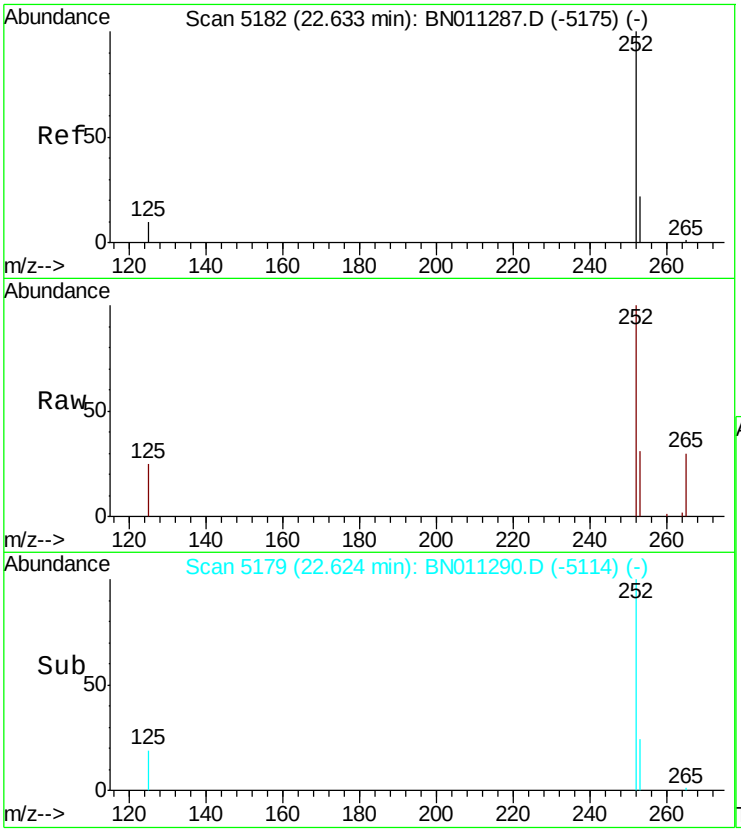



#21
Benzo(b)fluoranthene
Concen: 0.700 ng/ul m
RT: 22.59 min Scan# 5166
Delta R.T. -0.00 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:252 Resp: 19108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.6 | 0.0 | 61.0 |
| 125 | 12.5 | 0.0 | 29.4 |






#22
Benzo(k)fluoranthene
Concen: 0.240 ng/ul m
RT: 22.62 min Scan# 5179
Delta R.T. -0.01 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:252 Resp: 7513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.2 | 23.2 | 34.8 |
| 125 | 25.0 | 12.4 | 18.6# |

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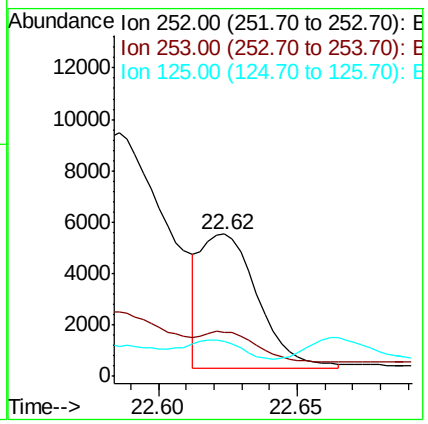
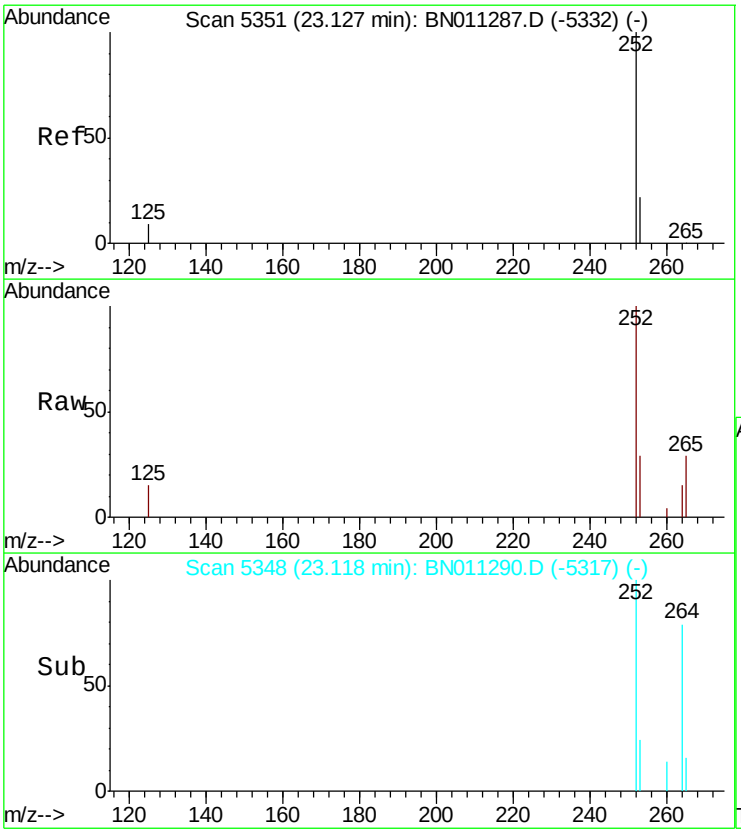
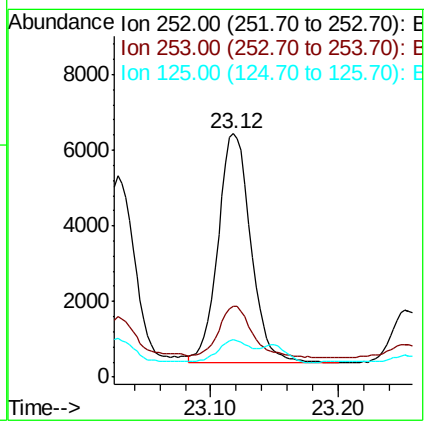


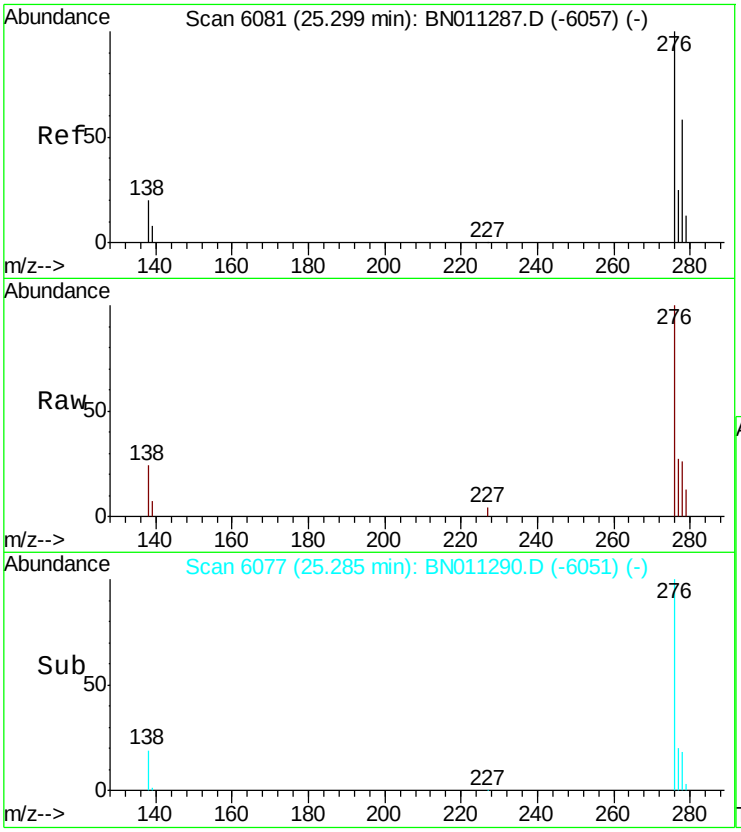




#23
Benzo(a)pyrene
Concen: 0.470 ng/ul
RT: 23.12 min Scan# 5348
Delta R.T. -0.01 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:252 Resp: 10781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.0 | 28.3 | 42.5 |
| 125 | 15.2 | 15.8 | 23.6# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.260 ng/ul
RT: 25.29 min Scan# 6077
Delta R.T. -0.01 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

**Manual Integrations APPROVED**
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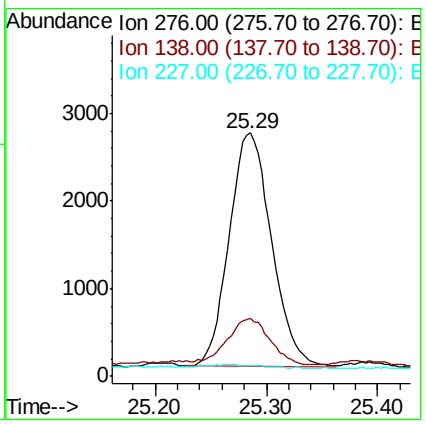
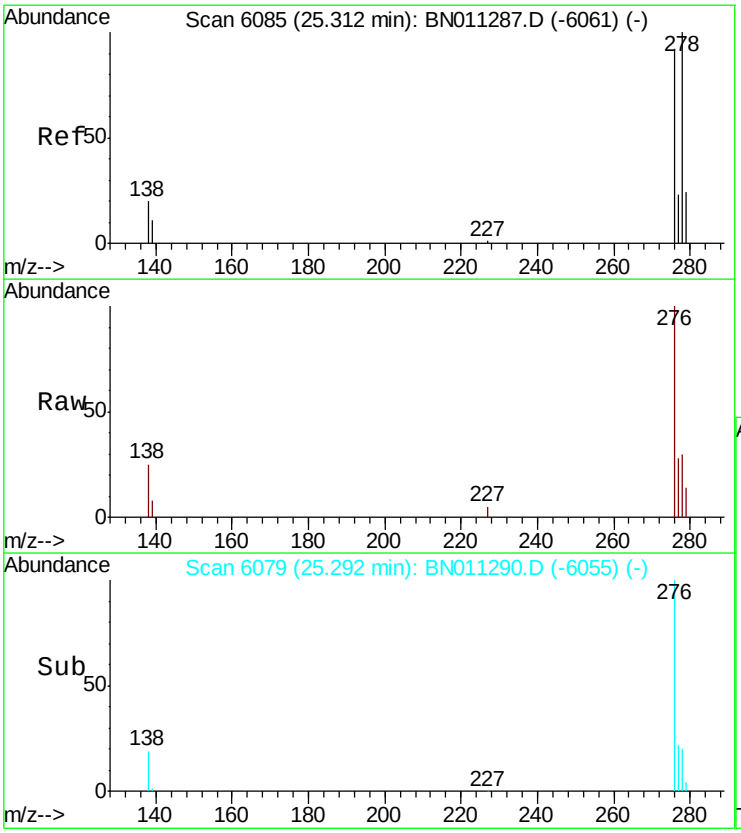
Tgt Ion:276 Resp: 7048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.3 | 15.1 | 22.7 |
| 227 | 0.0 | 0.2 | 0.2# |

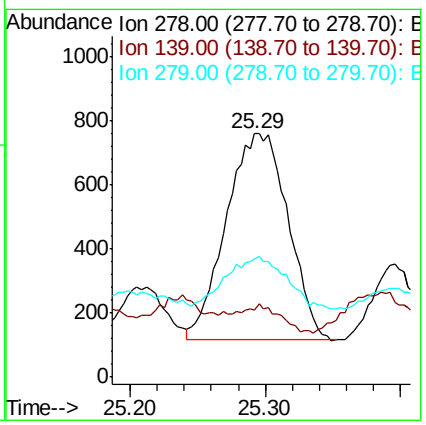


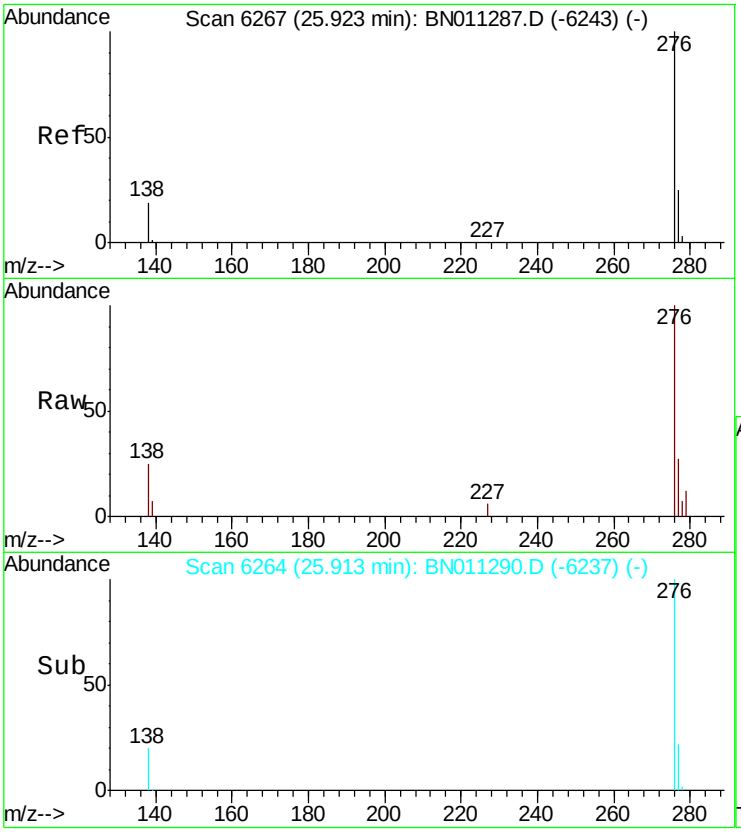




#25
Dibenzo(a,h)anthracene
Concen: 0.100 ng/ul
RT: 25.29 min Scan# 6079
Delta R.T. -0.02 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:278 Resp: 2042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 27.5 | 15.2 | 22.8# |
| 279 | 48.3 | 27.8 | 41.8# |

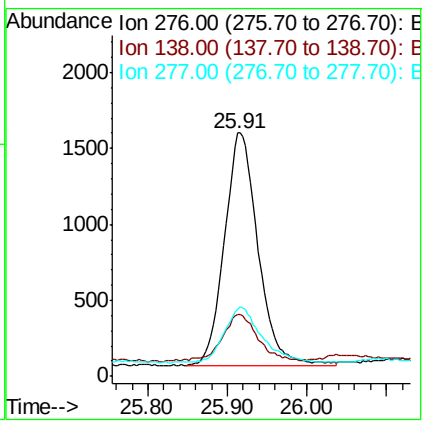





#26
Benzo(g,h,i)perylene
Concen: 0.167 ng/ul
RT: 25.91 min Scan# 6264
Delta R.T. -0.01 min
Lab File: BN011290.D
Acq: 29 Jul 2020 13:21

Tgt Ion:276 Resp: 4491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.3 | 17.1 | 25.7 |
| 277 | 27.3 | 21.0 | 31.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AD0DL

**Manual Integrations APPROVED**
mohammad
7/30/2020 3:35:26 PM