Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022106.D
Acq On : 14 Aug 2019 13:55
Operator : HP/JU
Sample : K4183-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 16:46:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** C0AG1

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 1070 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.38 | 136 | 4233 | 0.40 | ng/ul | -0.03 |
| 6) Acenaphthene-d10 | 14.25 | 164 | 2136 | 0.40 | ng/ul | -0.02 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 4745m | 0.40 | ng/ul | -0.03 |
| 16) Chrysene-d12 | 21.22 | 240 | 5682m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.44 | 264 | 5586 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.98 | 152 | 1230 | 0.18 | ng/ul | -0.03 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 2745m | 0.17 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.43 | 128 | 1097 | 0.092 | ng/ul# | 92 |
| 5) 2-Methylnaphthalene | 12.05 | 142 | 1195 | 0.150 | ng/ul | 94 |
| 7) Acenaphthylene | 13.97 | 152 | 1673 | 0.168 | ng/ul# | 74 |
| 8) Acenaphthene | 14.31 | 153 | 8957 | 1.099 | ng/ul | 96 |
| 9) Fluorene | 15.31 | 166 | 10837 | 1.197 | ng/ul | 99 |
| 12) Phenanthrene | 17.05 | 178 | 214518m | 15.538 | ng/ul | |
| 13) Anthracene | 17.14 | 178 | 56633m | 4.809 | ng/ul | |
| 15) Fluoranthene | 19.08 | 202 | 383824m | 20.753 | ng/ul | |
| 17) Pyrene | 19.45 | 202 | 297676 | 12.749 | ng/ul | 95 |
| 18) Benzo(a)anthracene | 21.20 | 228 | 192719 | 9.482 | ng/ul | 99 |
| 19) Chrysene | 21.26 | 228 | 172928 | 6.616 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 22.78 | 252 | 206772m | 10.977 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.82 | 252 | 86548m | 4.060 | ng/ul | |
| 23) Benzo(a)pyrene | 23.34 | 252 | 131014 | 6.839 | ng/ul# | 80 |
| 24) Indeno(1,2,3-cd)pyrene | 25.65 | 276 | 77418 | 3.385 | ng/ul# | 91 |
| 25) Dibenzo(a,h)anthracene | 25.65 | 278 | 20541 | 1.111 | ng/ul# | 72 |
| 26) Benzo(g,h,i)perylene | 26.33 | 276 | 70248 | 3.411 | ng/ul | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022106.D
Acq On : 14 Aug 2019 13:55
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Sample : K4183-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

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**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

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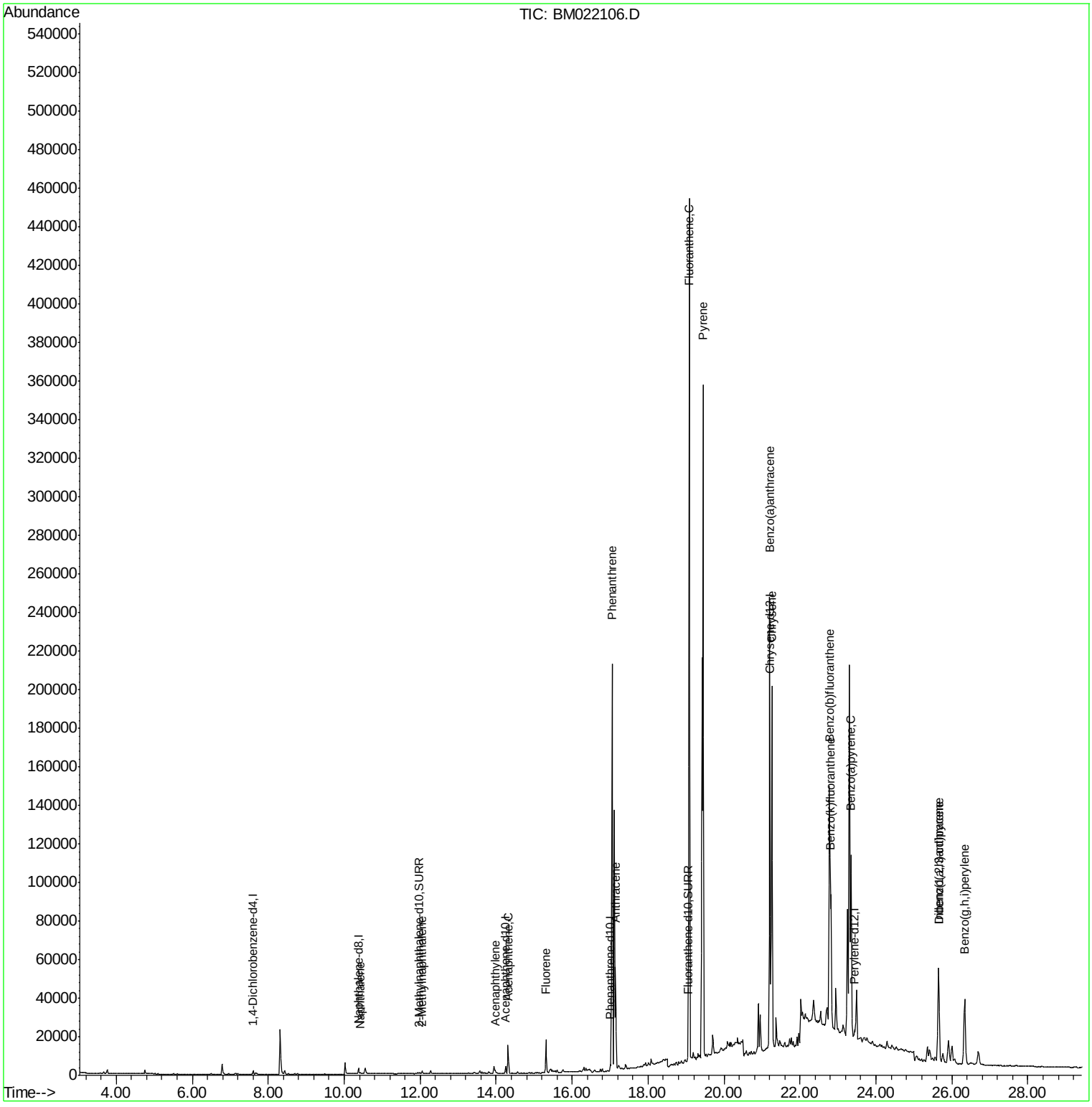

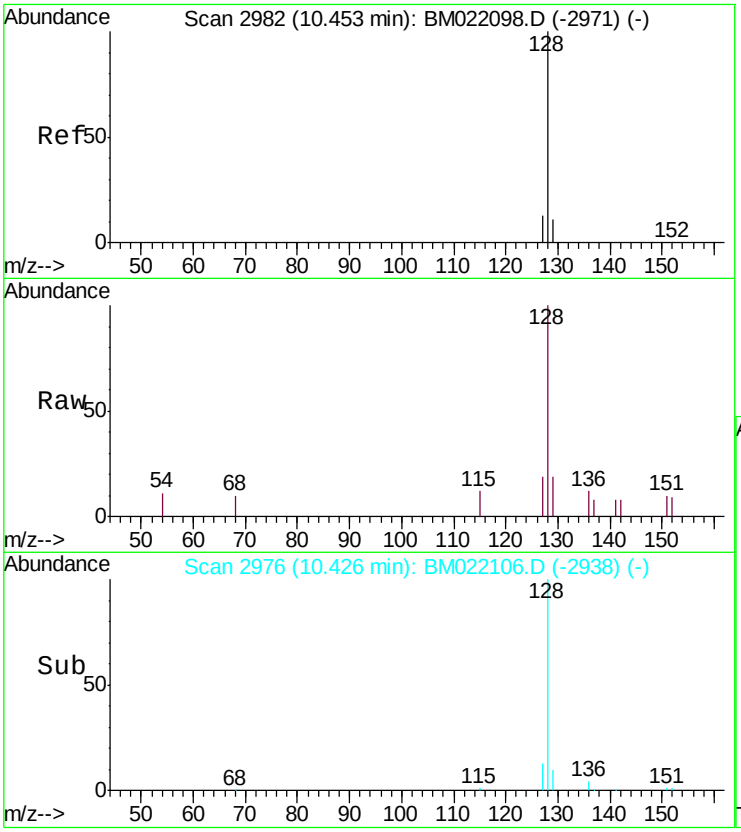


#3
Naphthalene
Concen: 0.092 ng/ul
RT: 10.43 min Scan# 2976
Delta R.T. -0.03 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:128 Resp: 1097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 18.8 | 12.3 | 18.5# |
| 127 | 19.3 | 13.0 | 19.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

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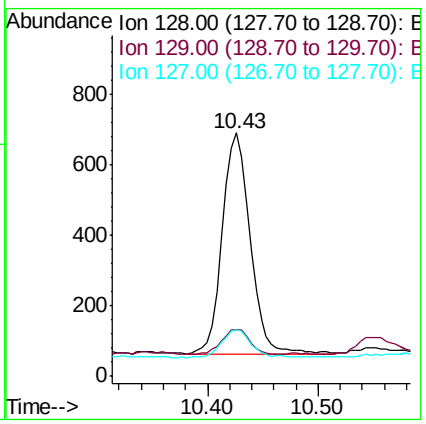
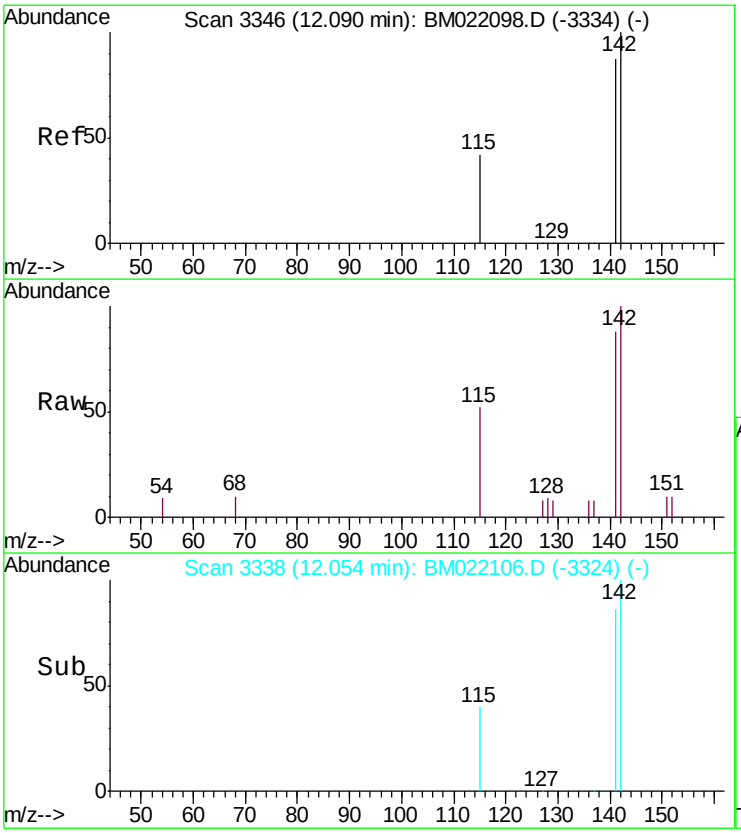
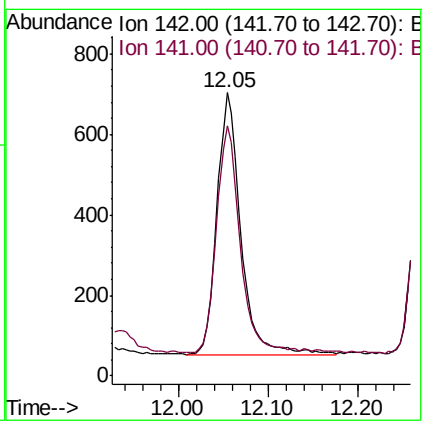


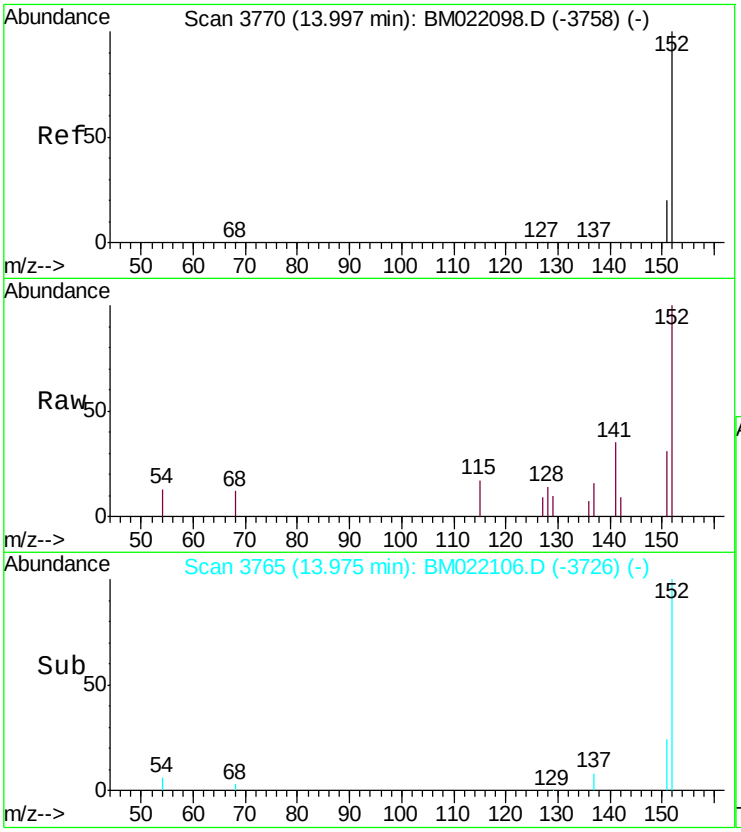




#5
2-Methylnaphthalene
Concen: 0.150 ng/ul
RT: 12.05 min Scan# 3338
Delta R.T. -0.04 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:142 Resp: 1195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.9 | 74.3 | 111.5 |

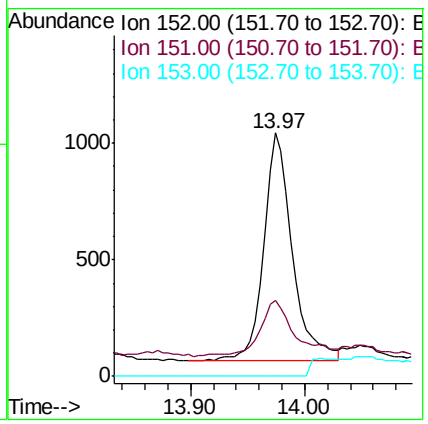





#7
Acenaphthylene
Concen: 0.168 ng/ul
RT: 13.97 min Scan# 3765
Delta R.T. -0.02 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:152 Resp: 1673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 31.3 | 18.3 | 27.5# |
| 153 | 0.0 | 12.8 | 19.2# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

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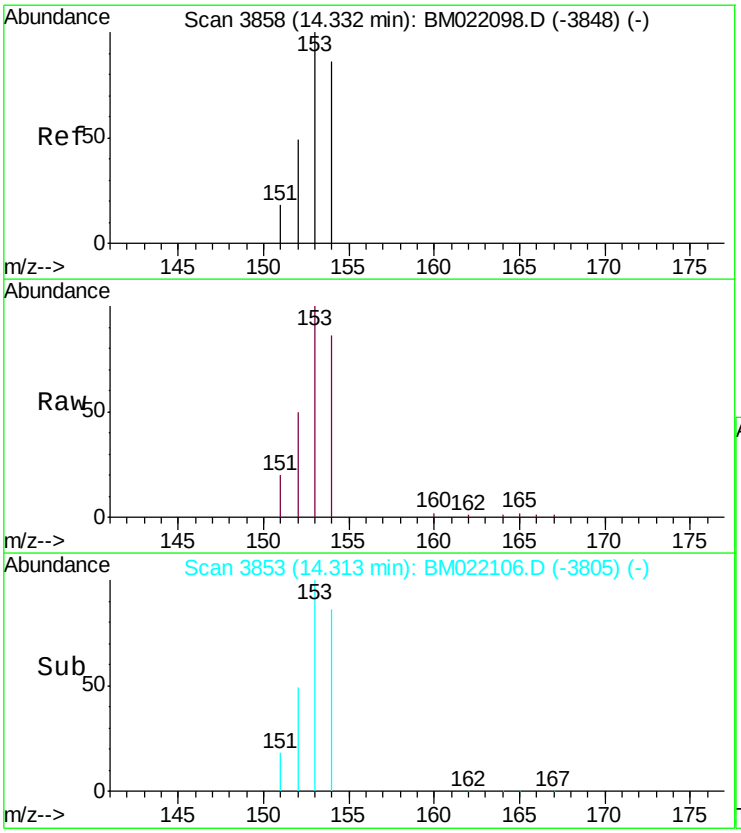
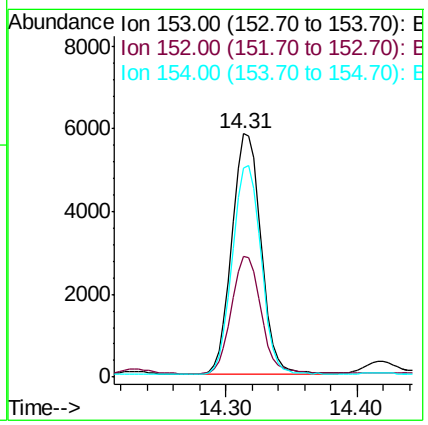
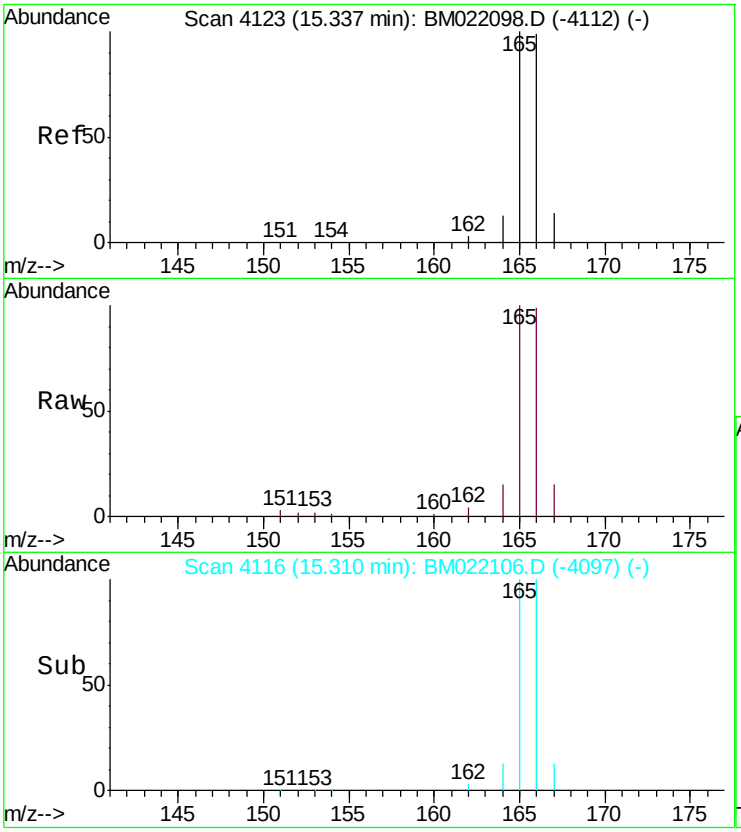



#8
Acenaphthene
Concen: 1.099 ng/ul
RT: 14.31 min Scan# 3853
Delta R.T. -0.02 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:153 Resp: 8957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.6 | 41.3 | 61.9 |
| 154 | 86.1 | 72.3 | 108.5 |

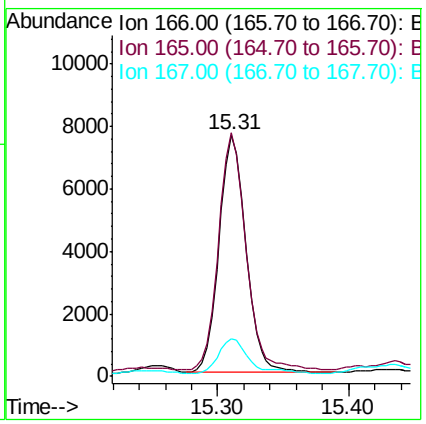





#9
Fluorene
Concen: 1.197 ng/ul
RT: 15.31 min Scan# 4116
Delta R.T. -0.03 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:166 Resp: 10837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.0 | 81.4 | 122.0 |
| 167 | 15.4 | 13.7 | 20.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

**Manual Integrations APPROVED**
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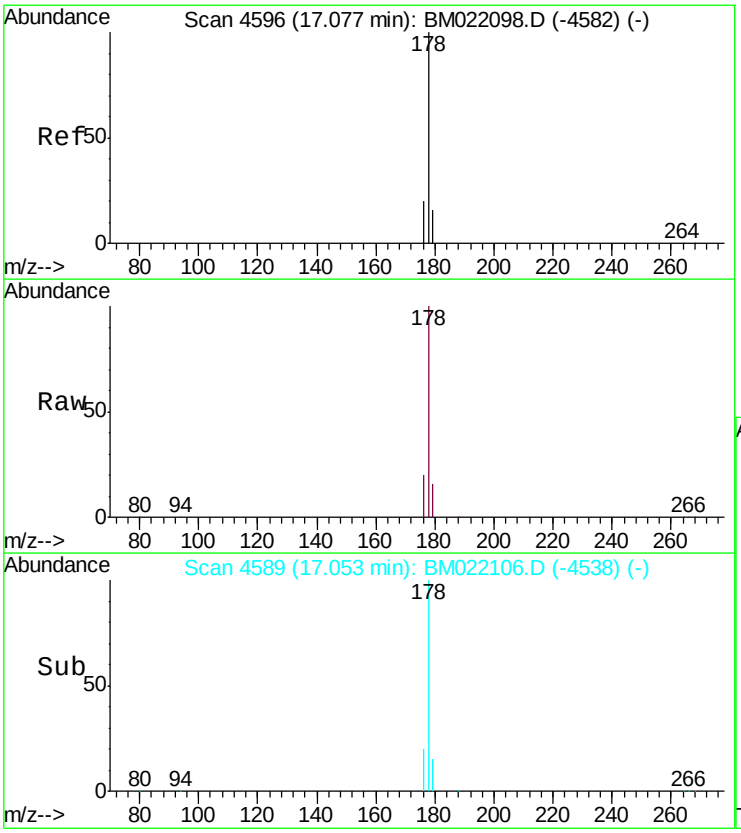
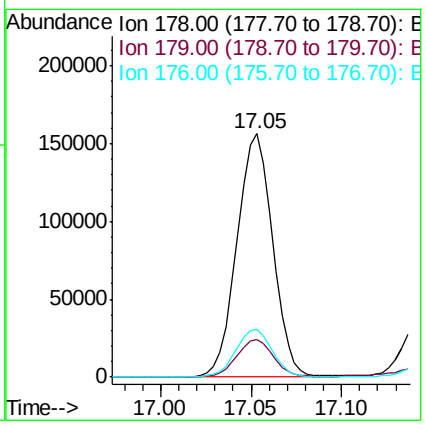
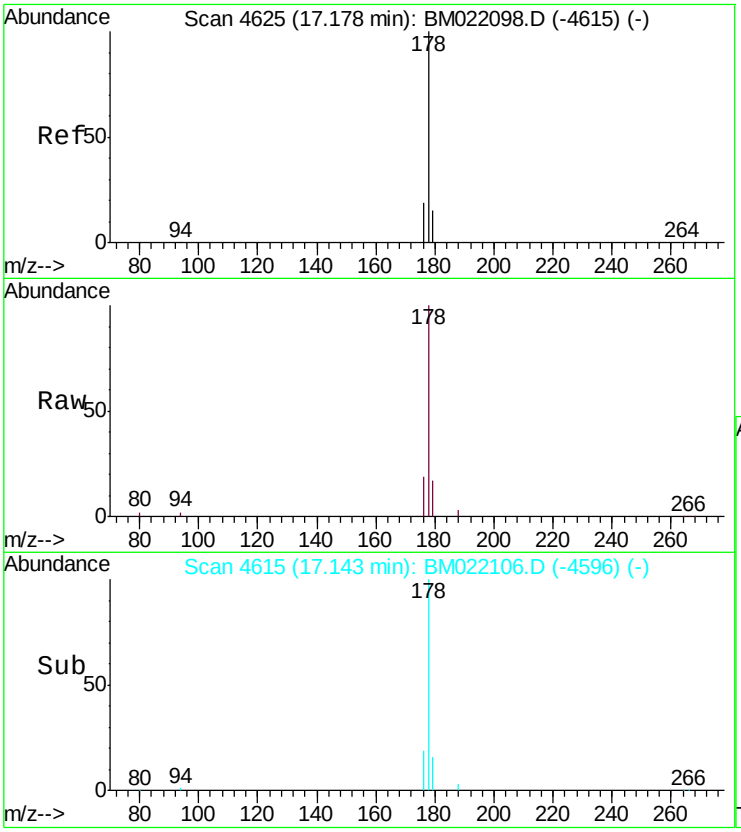



#12
Phenanthrene
Concen: 15.538 ng/ul m
RT: 17.05 min Scan# 4589
Delta R.T. -0.02 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:178 Resp: 214518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 14.2 | 21.2 |
| 176 | 19.7 | 16.8 | 25.2 |

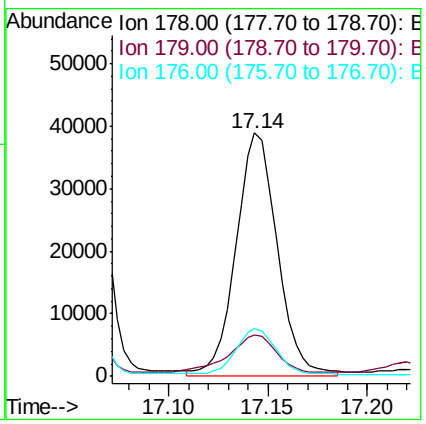





#13
Anthracene
Concen: 4.809 ng/ul m
RT: 17.14 min Scan# 4615
Delta R.T. -0.03 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:178 Resp: 56633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.8 | 15.5 | 23.3 |
| 176 | 19.5 | 16.6 | 25.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

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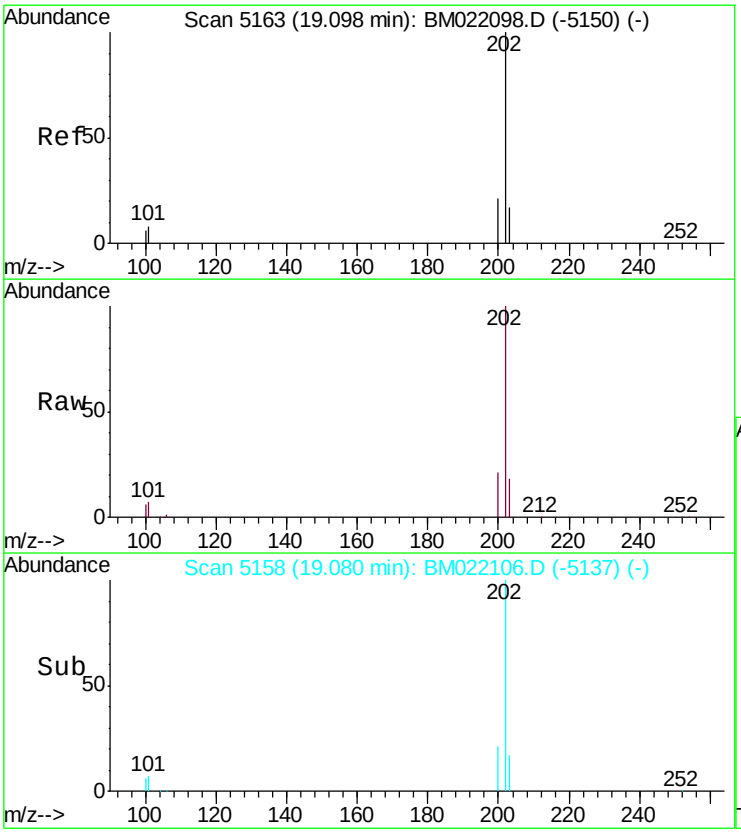
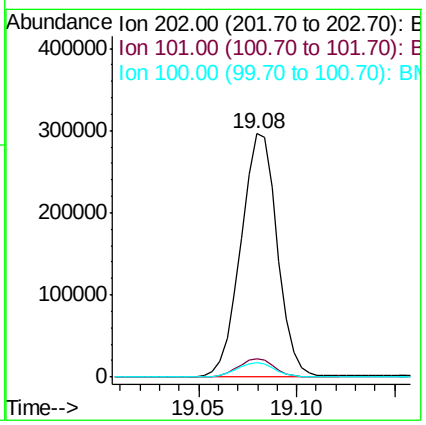
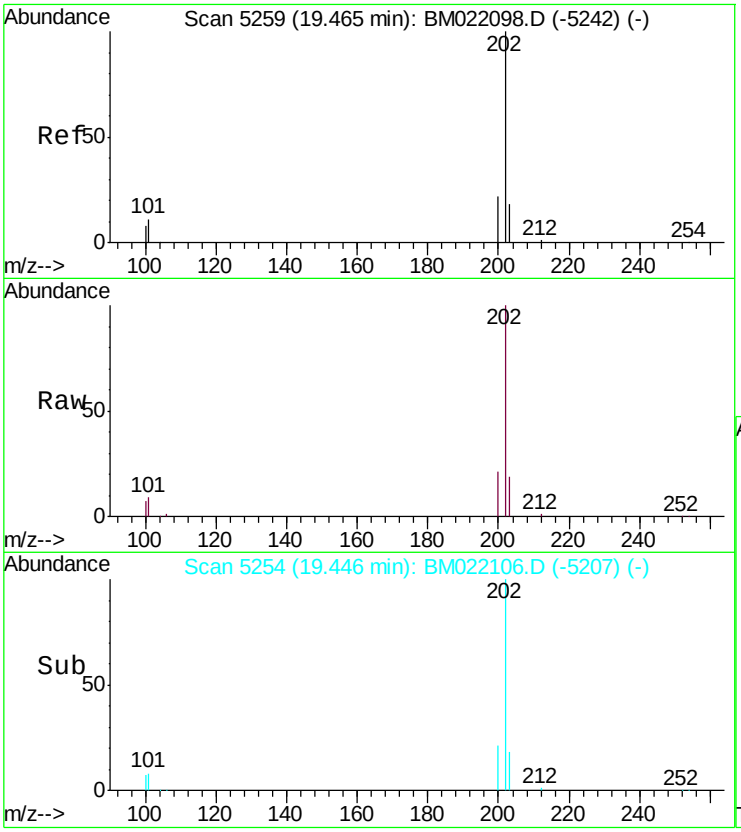



#15
Fluoranthene
Concen: 20.753 ng/ul m
RT: 19.08 min Scan# 5158
Delta R.T. -0.02 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:202 Resp: 383824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.5 | 0.0 | 30.2 |
| 100 | 5.9 | 0.0 | 28.1 |

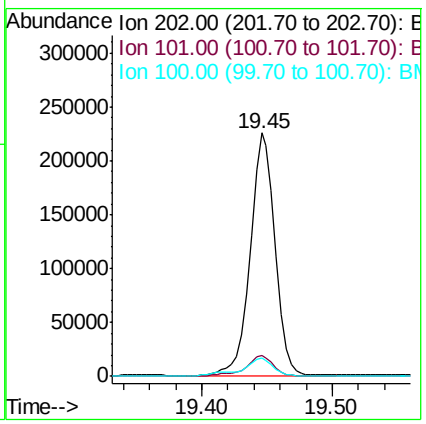





#17
Pyrene
Concen: 12.749 ng/ul
RT: 19.45 min Scan# 5254
Delta R.T. -0.02 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:202 Resp: 297676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.6 | 8.3 | 12.5 |
| 100 | 7.3 | 7.2 | 10.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

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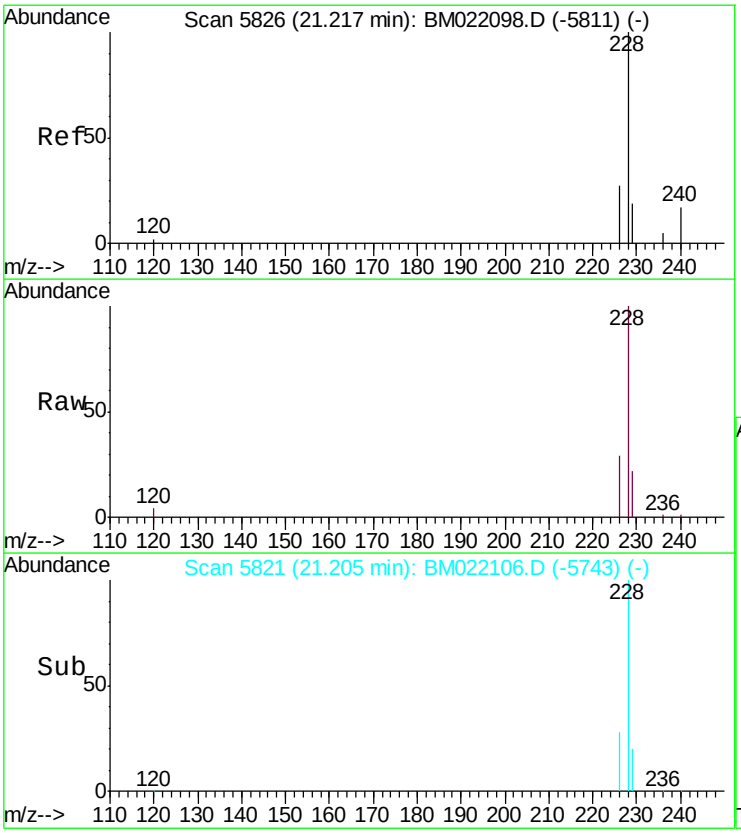
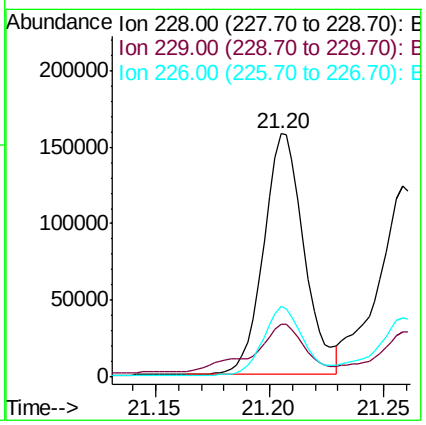
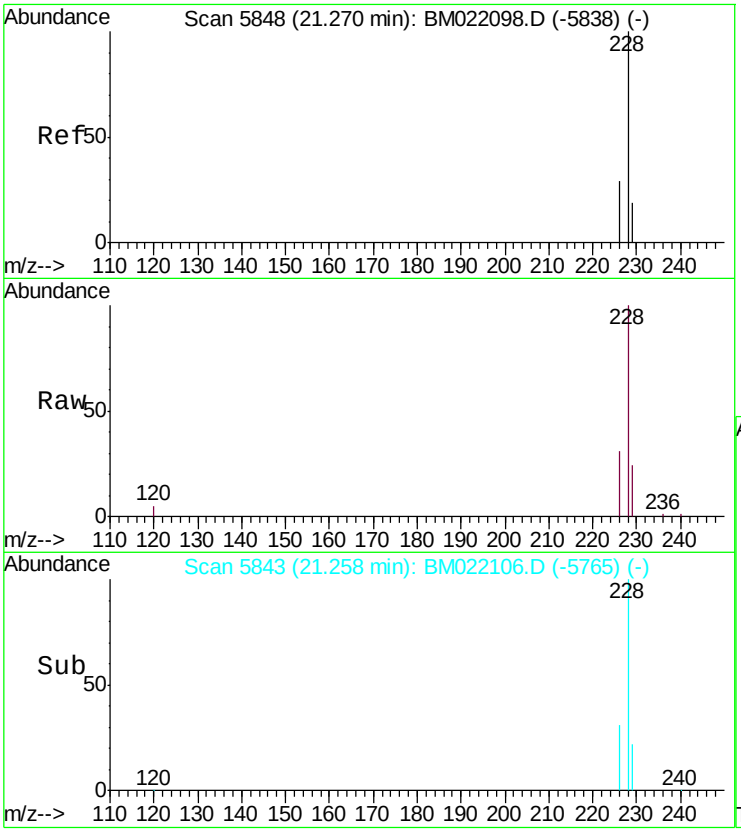



#18
Benzo(a)anthracene
Concen: 9.482 ng/ul
RT: 21.20 min Scan# 5821
Delta R.T. -0.01 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:228 Resp: 192719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 17.2 | 25.8 |
| 226 | 28.8 | 22.6 | 34.0 |

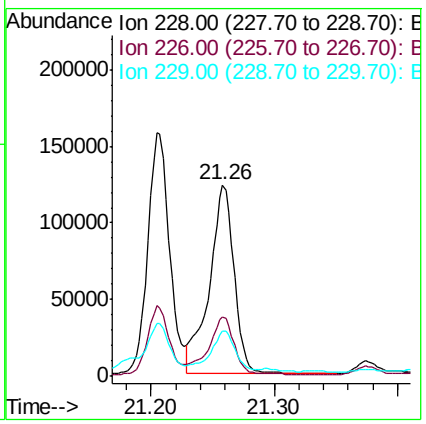





#19
Chrysene
Concen: 6.616 ng/ul
RT: 21.26 min Scan# 5843
Delta R.T. -0.01 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:228 Resp: 172928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 24.9 | 37.3 |
| 229 | 23.9 | 16.6 | 25.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

**Manual Integrations APPROVED**
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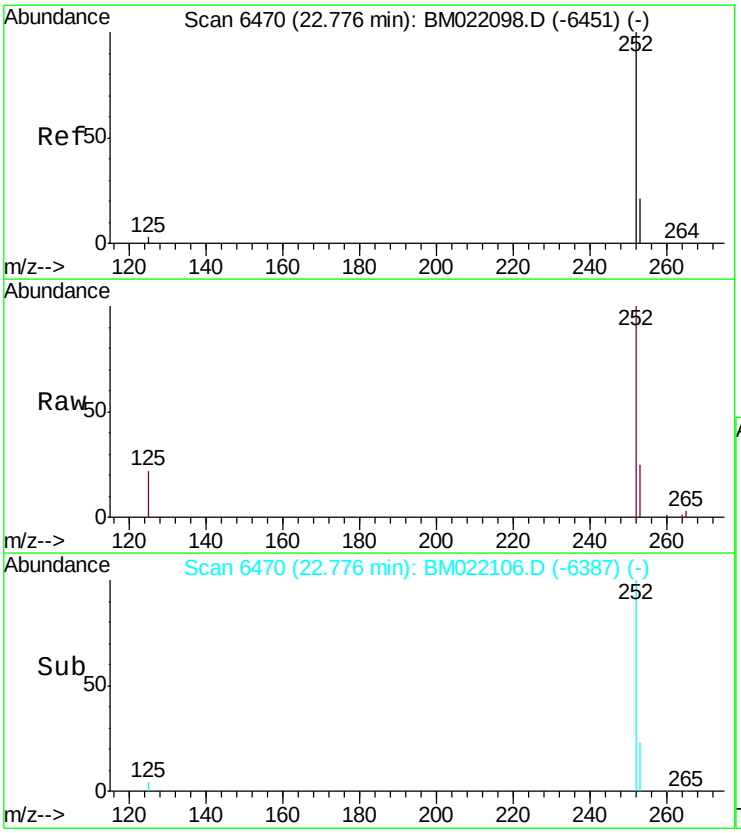
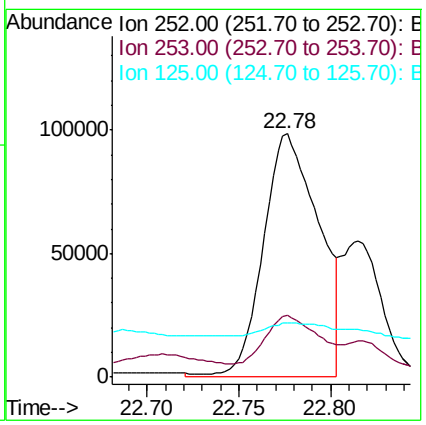
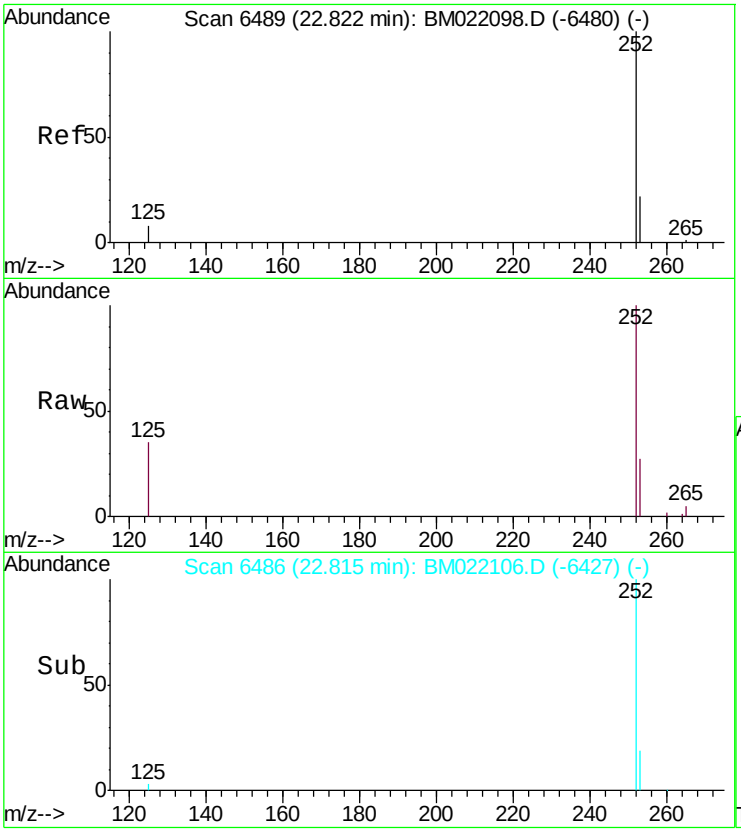



#21
Benzo(b)fluoranthene
Concen: 10.977 ng/ul m
RT: 22.78 min Scan# 6470
Delta R.T. 0.00 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:252 Resp: 206772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 0.0 | 67.4 |
| 125 | 22.2 | 0.0 | 31.0 |






#22
Benzo(k)fluoranthene
Concen: 4.060 ng/ul m
RT: 22.82 min Scan# 6486
Delta R.T. -0.01 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:252 Resp: 86548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.6 | 27.0 | 40.4# |
| 125 | 34.8 | 12.2 | 18.2# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

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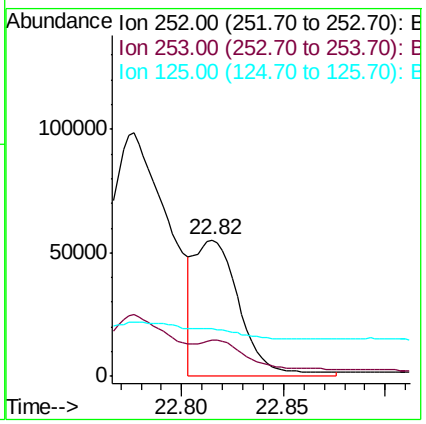
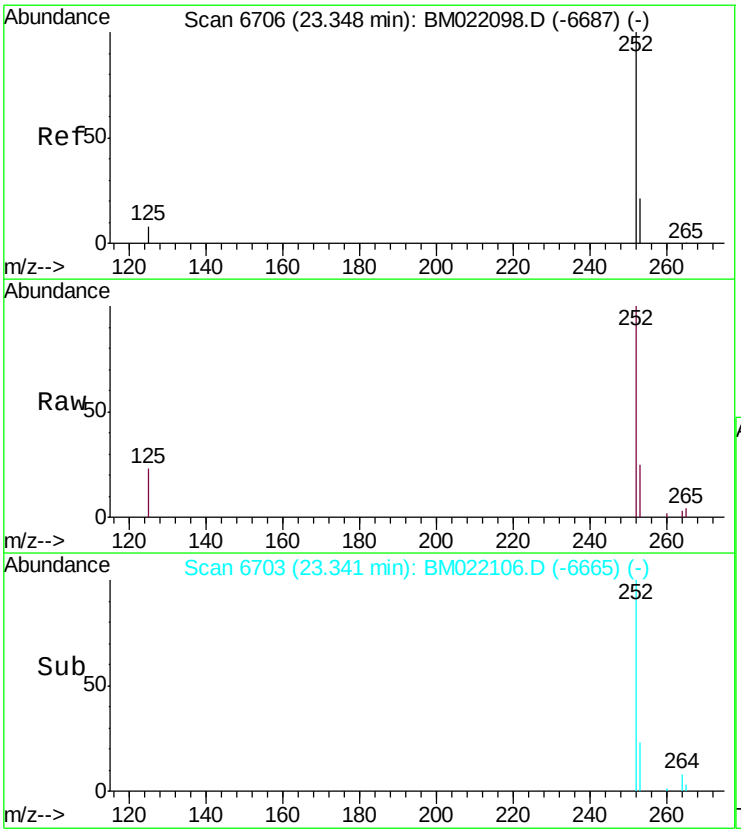
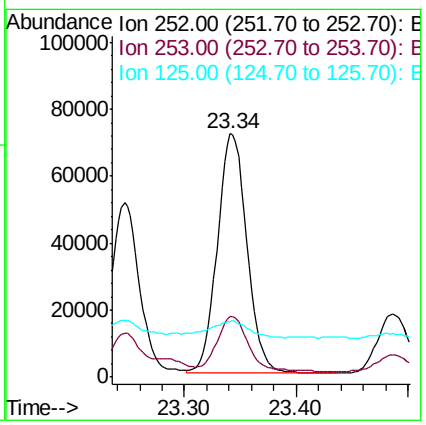


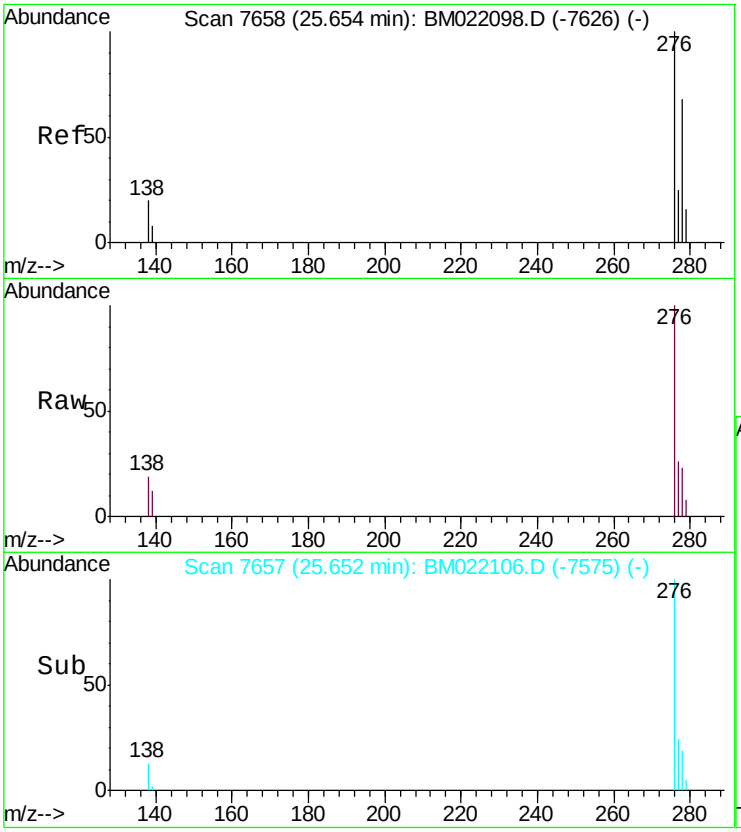




#23
Benzo(a)pyrene
Concen: 6.839 ng/ul
RT: 23.34 min Scan# 6703
Delta R.T. -0.01 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:252 Resp: 131014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.0 | 31.7 | 47.5# |
| 125 | 22.9 | 14.6 | 21.8# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 3.385 ng/ul
RT: 25.65 min Scan# 7657
Delta R.T. -0.00 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:276 Resp: 77418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.7 | 15.1 | 22.7# |
| 227 | 0.0 | 0.0 | 0.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

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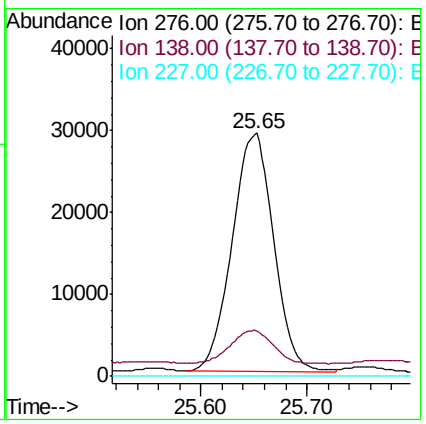
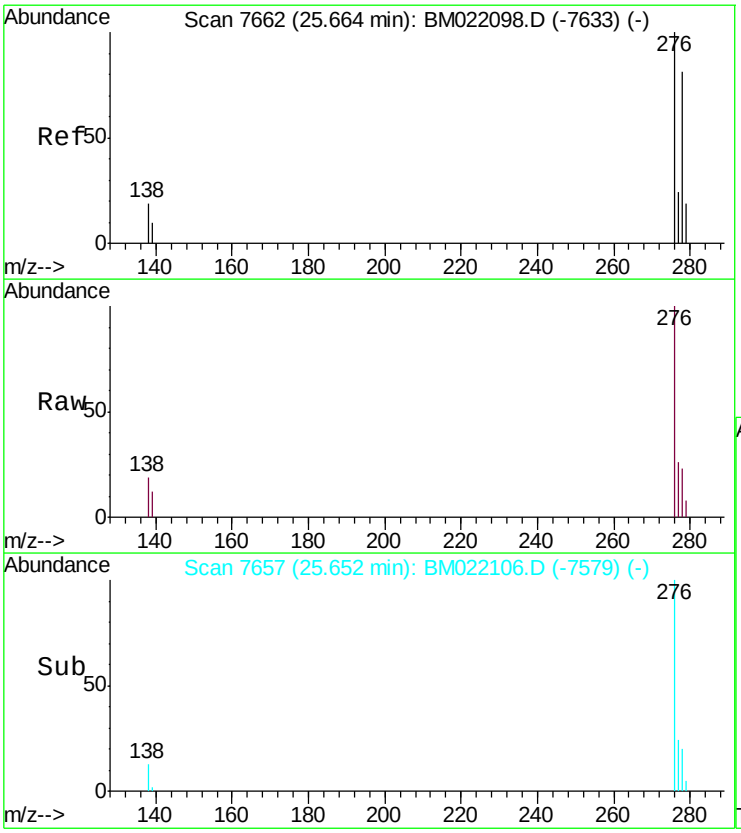
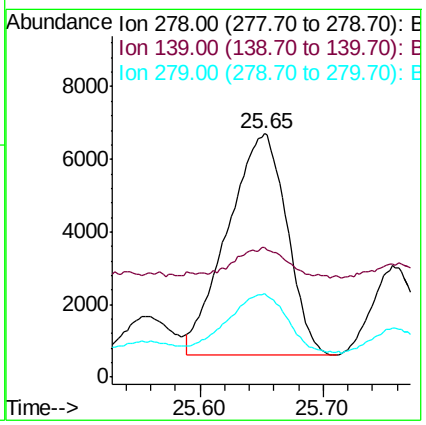


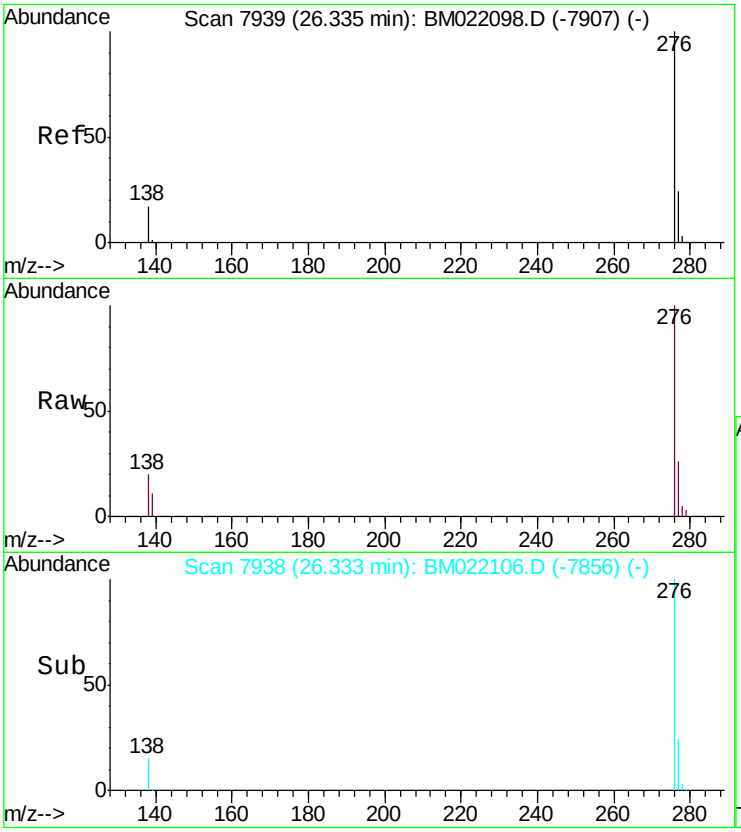




#25
Dibenzo(a,h)anthracene
Concen: 1.111 ng/ul
RT: 25.65 min Scan# 7657
Delta R.T. -0.01 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:278 Resp: 20541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 53.4 | 14.2 | 21.2# |
| 279 | 34.3 | 28.3 | 42.5 |

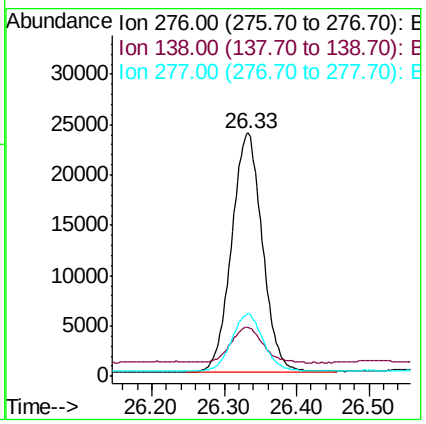





#26
Benzo(g,h,i)perylene
Concen: 3.411 ng/ul
RT: 26.33 min Scan# 7938
Delta R.T. -0.00 min
Lab File: BM022106.D
Acq: 14 Aug 2019 13:55

Tgt Ion:276 Resp: 70248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.3 | 15.5 | 23.3 |
| 277 | 25.8 | 21.4 | 32.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AG1

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:03 PM