Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
Data File : BM021863.D
Acq On : 06 Aug 2019 17:57
Operator : HP/JU
Sample : K3863-22
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A52T0

**Manual Integrations APPROVED**
mohammad
8/6/2019 10:22:08 PM

Quant Time: Aug 06 18:31:32 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 : Tue Aug 06 01:29:26 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 621 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.44 | 136 | 2604 | 0.40 | ng/ul | 0.01 |
| 6) Acenaphthene-d10 | 14.29 | 164 | 1519 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.05 | 188 | 3253 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.24 | 240 | 3254 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.46 | 264 | 3784 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.03 | 152 | 1992 | 0.46 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.08 | 212 | 5408 | 0.49 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.48 | 128 | 1963 | 0.267 | ng/ul | 95 |
| 5) 2-Methylnaphthalene | 12.10 | 142 | 2801 | 0.572 | ng/ul | 98 |
| 7) Acenaphthylene | 14.01 | 152 | 1716 | 0.242 | ng/ul | 97 |
| 8) Acenaphthene | 14.35 | 153 | 2184 | 0.377 | ng/ul | 96 |
| 9) Fluorene | 15.35 | 166 | 3274 | 0.509 | ng/ul | 99 |
| 11) Pentachlorophenol | 16.71 | 266 | 470 | 0.783 | ng/ul | 90 |
| 12) Phenanthrene | 17.09 | 178 | 3799 | 0.401 | ng/ul | 99 |
| 13) Anthracene | 17.19 | 178 | 3561 | 0.441 | ng/ul | 98 |
| 15) Fluoranthene | 19.11 | 202 | 4899 | 0.386 | ng/ul | 99 |
| 17) Pyrene | 19.48 | 202 | 4951 | 0.370 | ng/ul | 97 |
| 18) Benzo(a)anthracene | 21.23 | 228 | 5381 | 0.462 | ng/ul | 98 |
| 19) Chrysene | 21.28 | 228 | 6499 | 0.434 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.79 | 252 | 7754 | 0.608 | ng/ul | 93 |
| 22) Benzo(k)fluoranthene | 22.83 | 252 | 4360m | 0.302 | ng/ul | |
| 23) Benzo(a)pyrene | 23.36 | 252 | 3973 | 0.306 | ng/ul | 96 |
| 25) Dibenzo(a,h)anthracene | 25.69 | 278 | 9085 | 0.725 | ng/ul | 93 |
| 26) Benzo(g,h,i)perylene | 26.36 | 276 | 3816 | 0.274 | ng/ul | 93 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
Data File : BM021863.D
Acq On : 06 Aug 2019 17:57
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Misc :
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**Instrument :**
BNA_M
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**Manual Integrations APPROVED**
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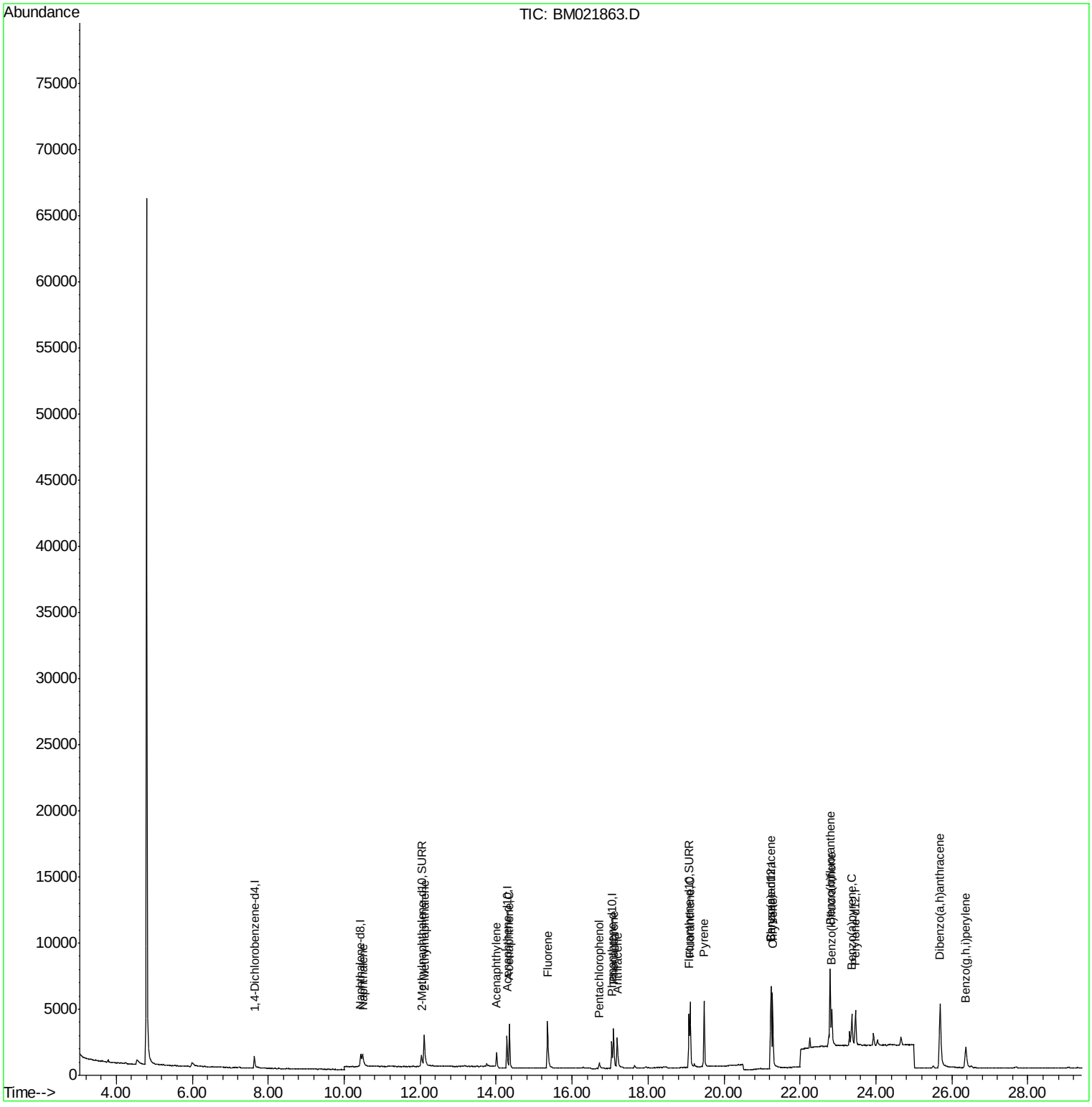
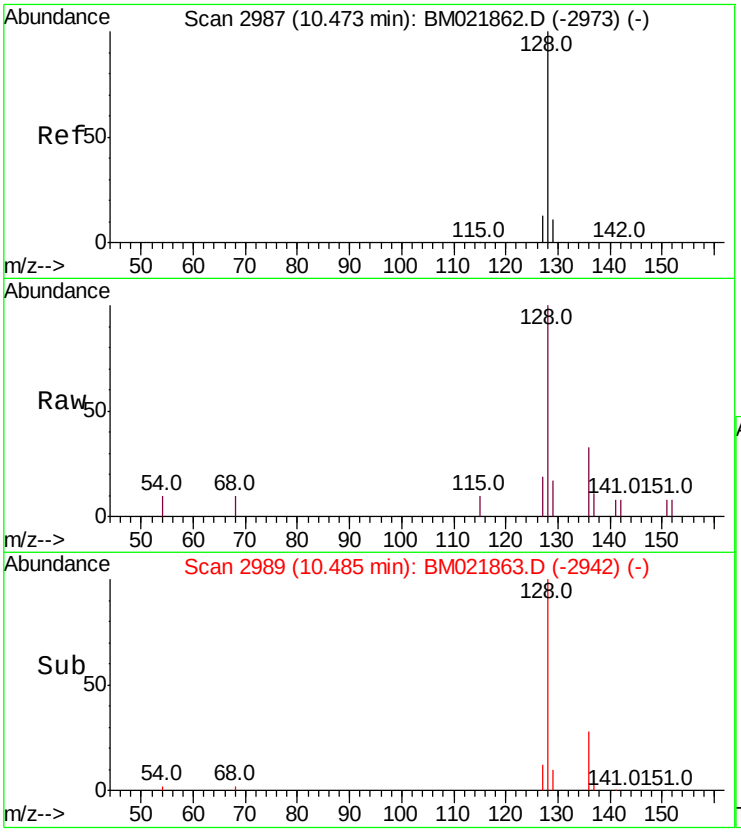
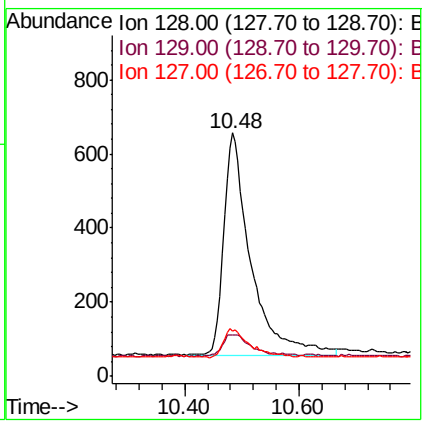





#3
Naphthalene
Concen: 0.267 ng/ul
RT: 10.48 min Scan# 2989
Delta R.T. 0.01 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:128 Resp: 1963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 17.2 | 12.3 | 18.5 |
| 127 | 18.6 | 13.0 | 19.6 |




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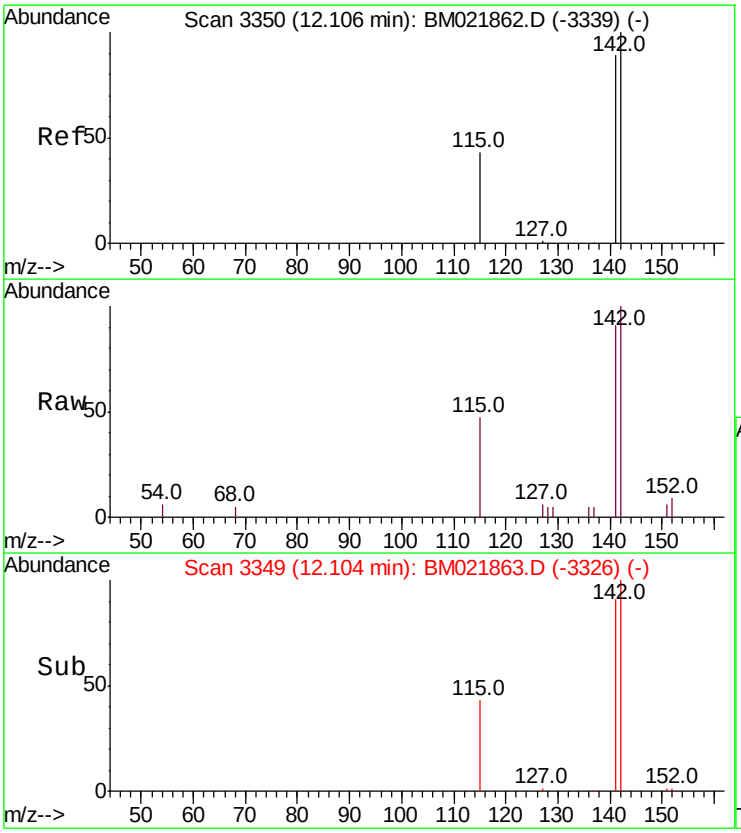
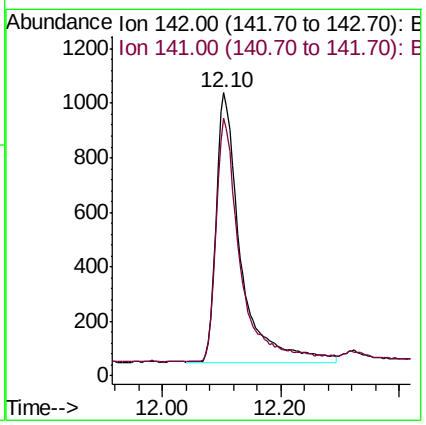
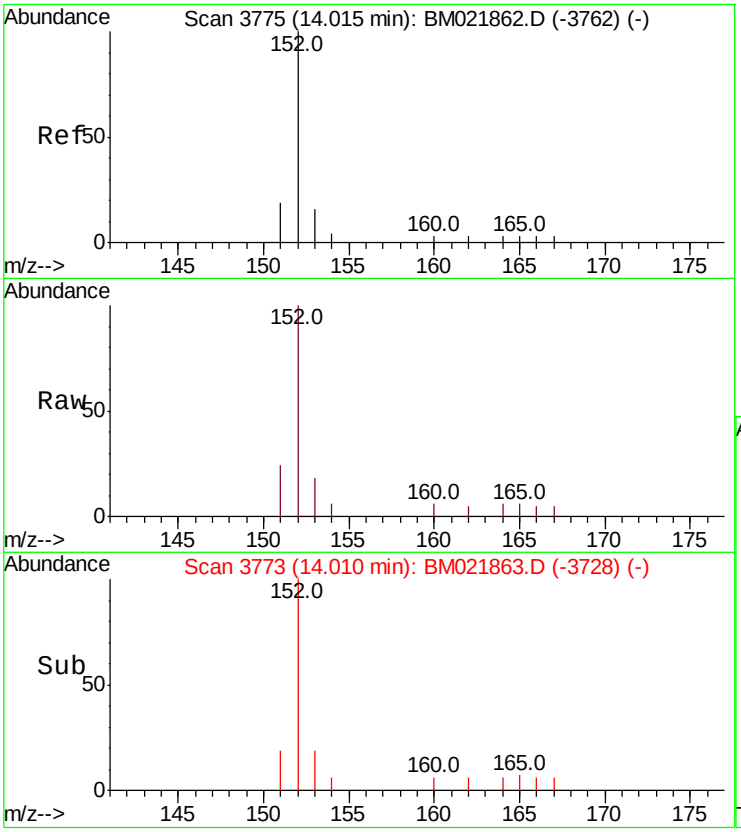



#5
2-Methylnaphthalene
Concen: 0.572 ng/ul
RT: 12.10 min Scan# 3349
Delta R.T. 0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:142 Resp: 2801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.6 | 74.3 | 111.5 |

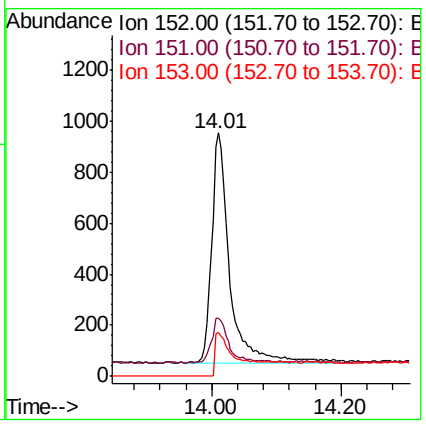





#7
Acenaphthylene
Concen: 0.242 ng/ul
RT: 14.01 min Scan# 3773
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:152 Resp: 1716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.6 | 18.3 | 27.5 |
| 153 | 18.1 | 12.8 | 19.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
A52T0

**Manual Integrations APPROVED**
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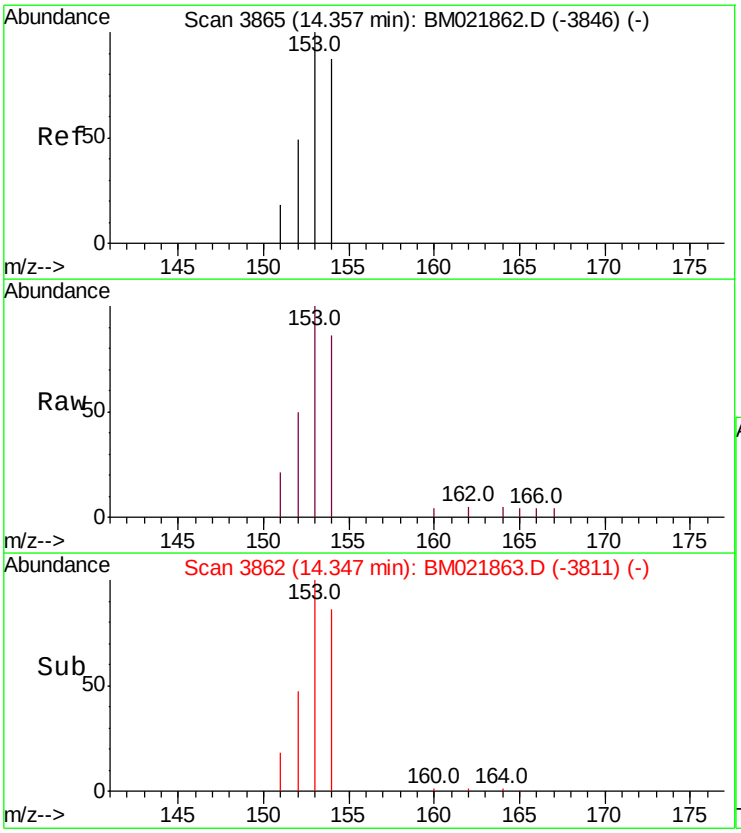
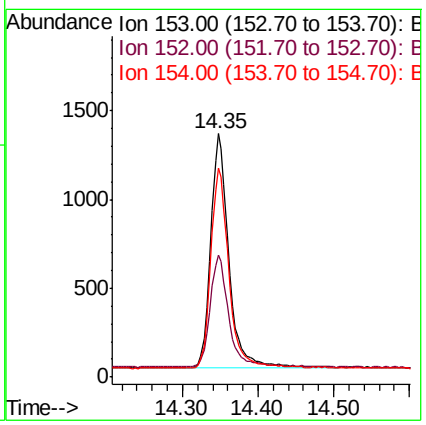
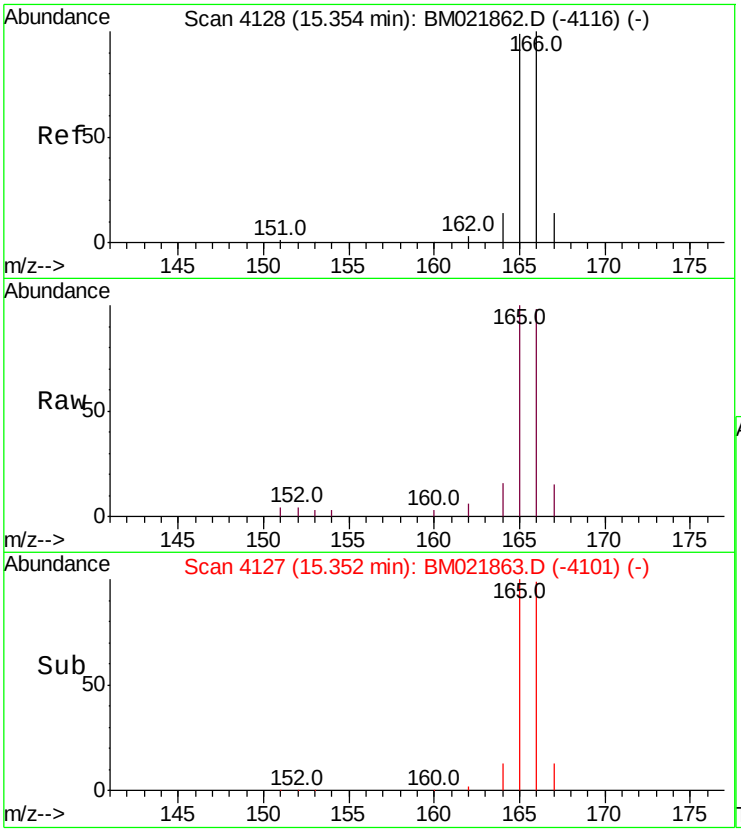



#8
Acenaphthene
Concen: 0.377 ng/ul
RT: 14.35 min Scan# 3862
Delta R.T. -0.01 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:153 Resp: 2184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.1 | 41.3 | 61.9 |
| 154 | 85.8 | 72.3 | 108.5 |

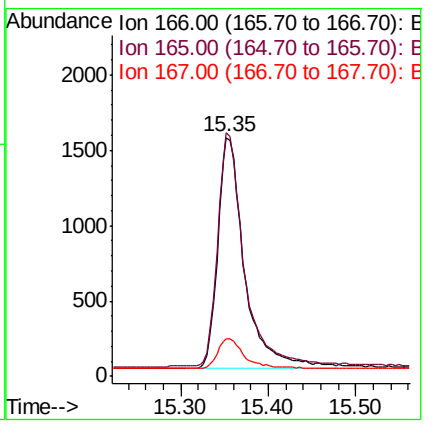





#9
Fluorene
Concen: 0.509 ng/ul
RT: 15.35 min Scan# 4127
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:166 Resp: 3274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.8 | 81.4 | 122.0 |
| 167 | 15.6 | 13.7 | 20.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
A52T0

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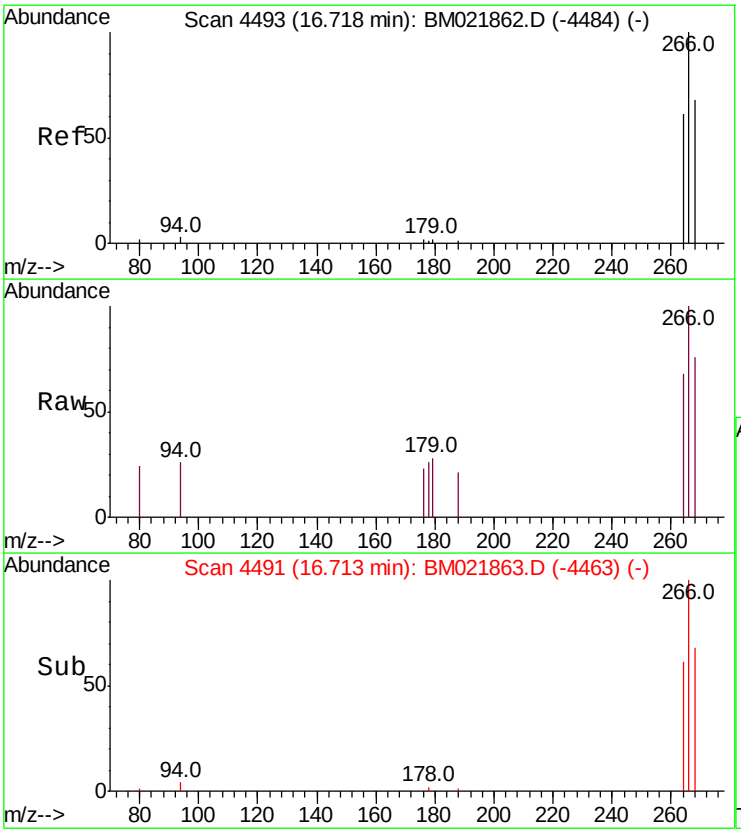
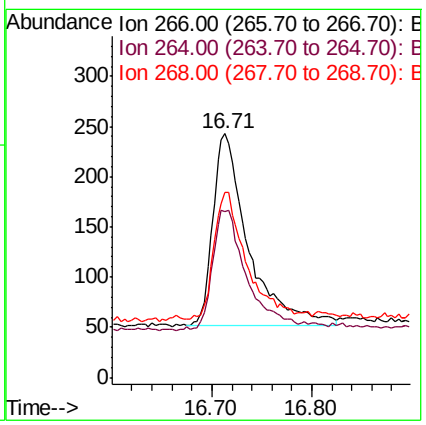
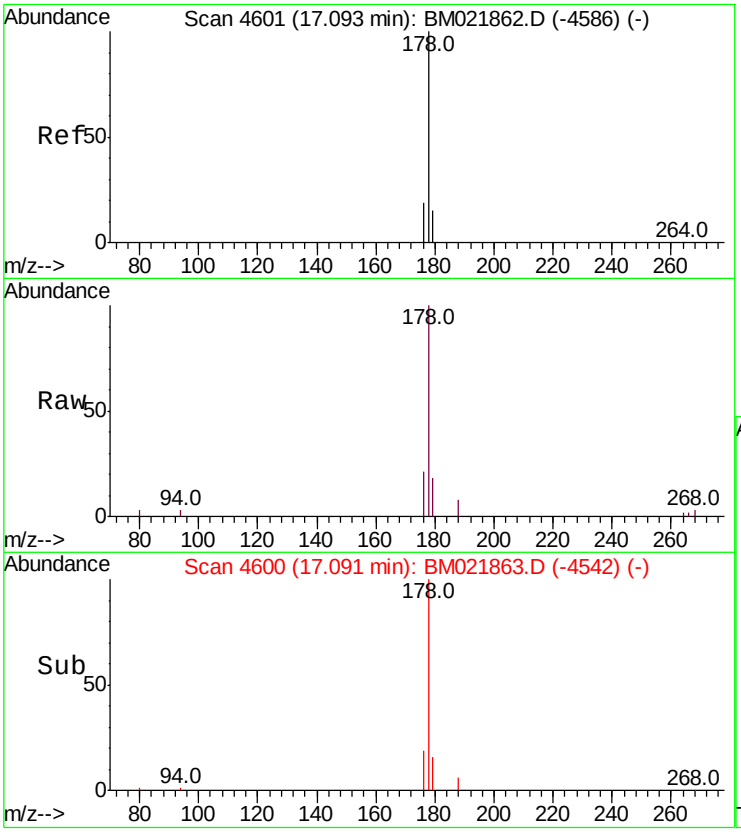



#11
Pentachlorophenol
Concen: 0.783 ng/ul
RT: 16.71 min Scan# 4491
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:266 Resp: 470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 61.1 | 54.2 | 81.2 |
| 268 | 62.3 | 57.6 | 86.4 |

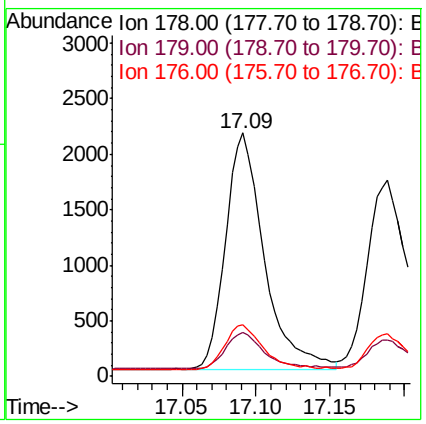





#12
Phenanthrene
Concen: 0.401 ng/ul
RT: 17.09 min Scan# 4600
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:178 Resp: 3799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.1 | 14.2 | 21.2 |
| 176 | 21.4 | 16.8 | 25.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
A52T0

**Manual Integrations APPROVED**
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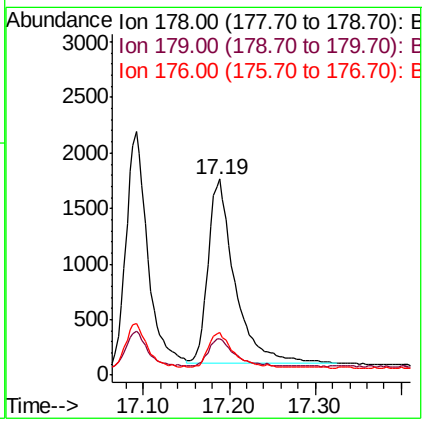
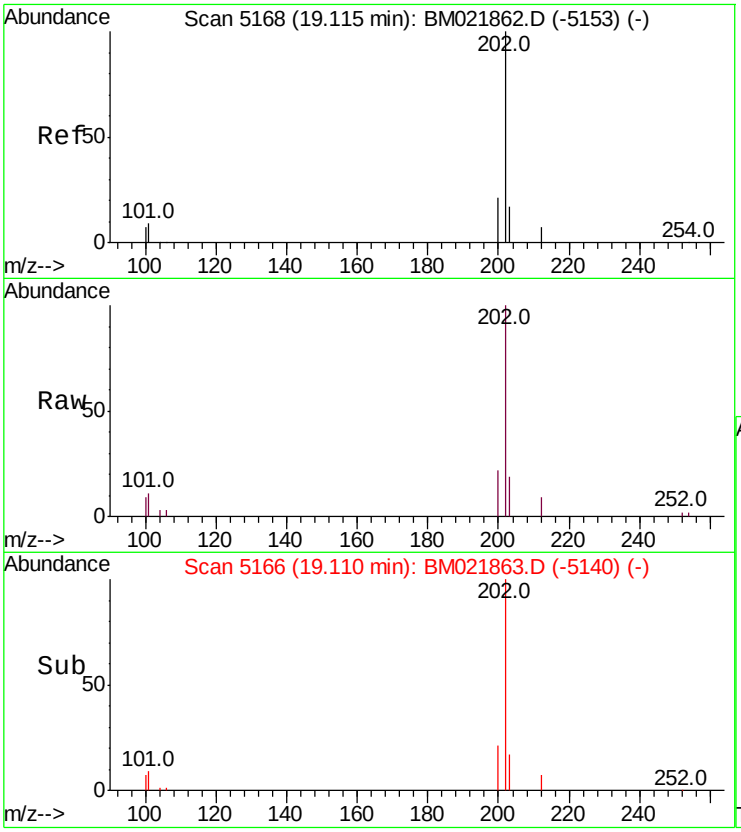
#13
Anthracene
Concen: 0.441 ng/ul
RT: 17.19 min Scan# 4628
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:178 Resp: 3561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.4 | 15.5 | 23.3 |
| 176 | 21.7 | 16.6 | 25.0 |

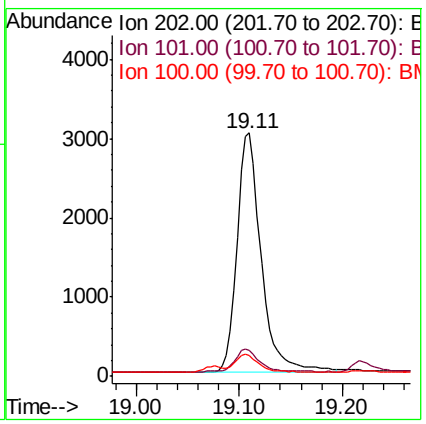





#15
Fluoranthene
Concen: 0.386 ng/ul
RT: 19.11 min Scan# 5166
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:202 Resp: 4899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 0.0 | 30.2 |
| 100 | 8.7 | 0.0 | 28.1 |




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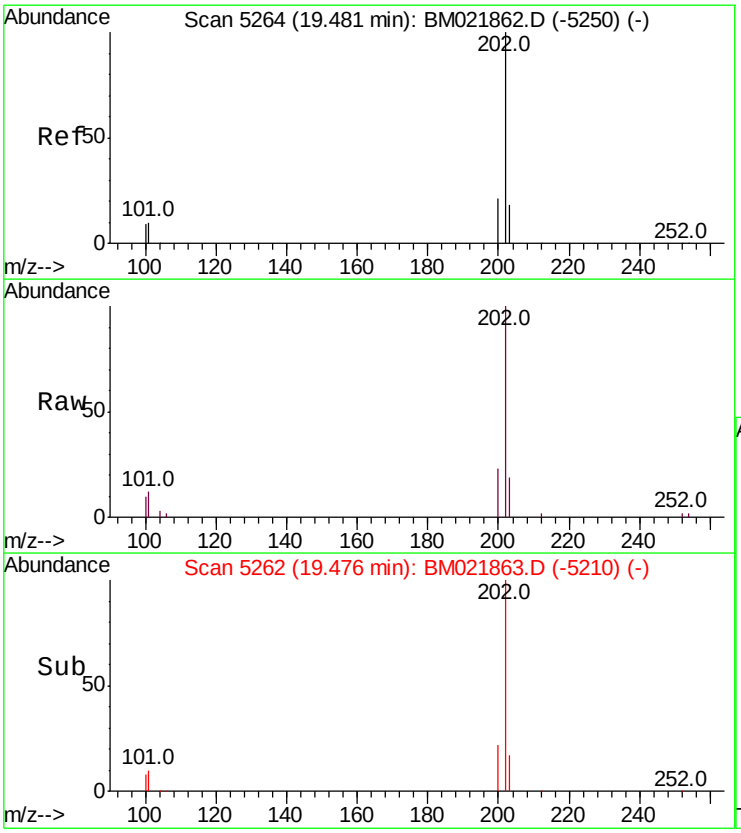
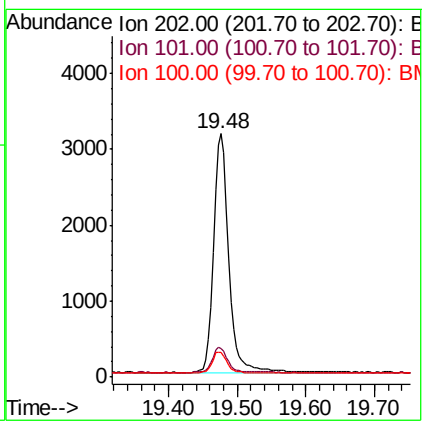
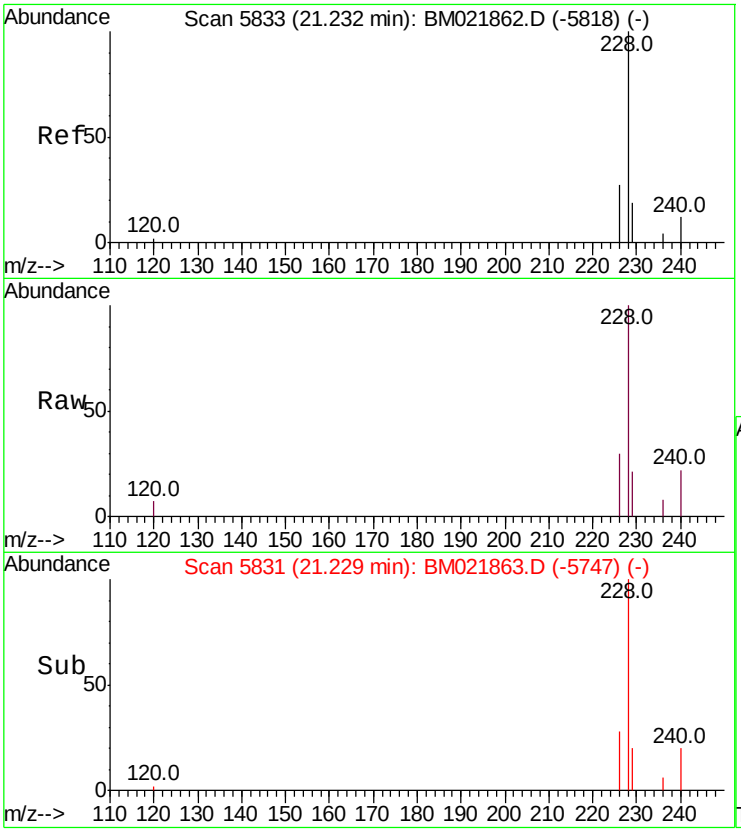



#17
Pyrene
Concen: 0.370 ng/ul
RT: 19.48 min Scan# 5262
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:202 Resp: 4951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 8.3 | 12.5 |
| 100 | 9.9 | 7.2 | 10.8 |

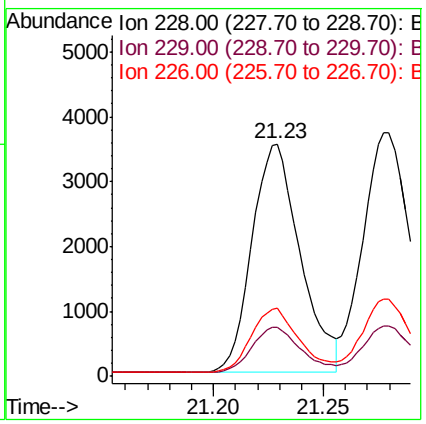





#18
Benzo(a)anthracene
Concen: 0.462 ng/ul
RT: 21.23 min Scan# 5831
Delta R.T. 0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:228 Resp: 5381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 17.2 | 25.8 |
| 226 | 29.6 | 22.6 | 34.0 |




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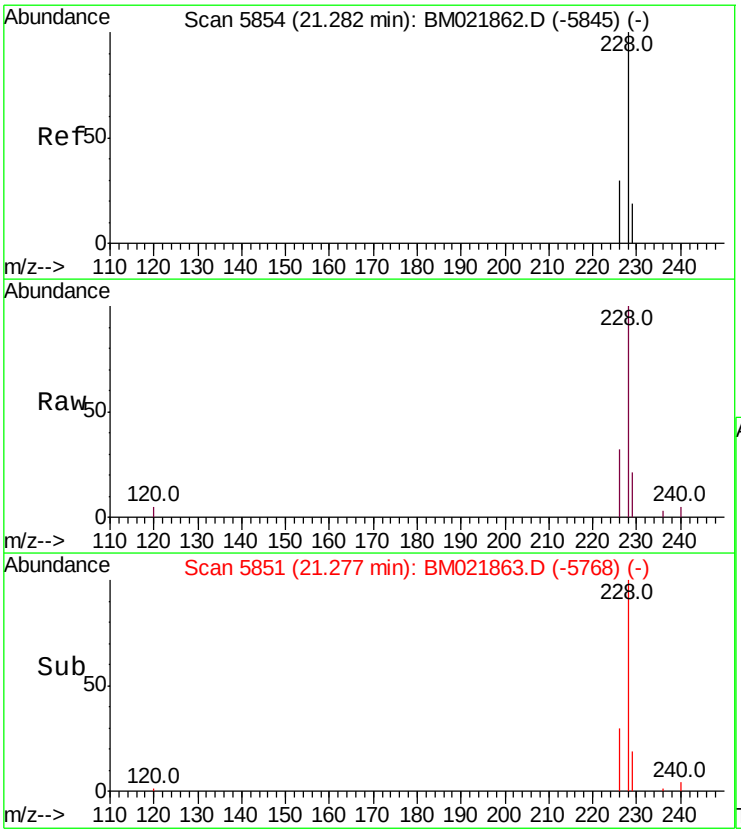
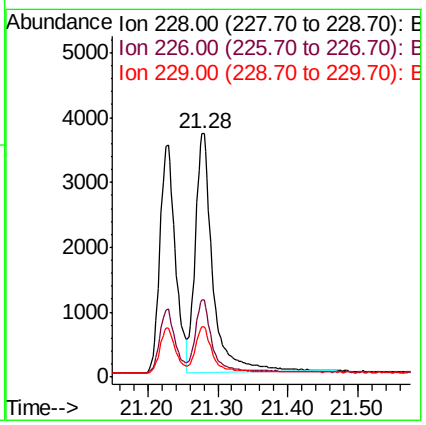
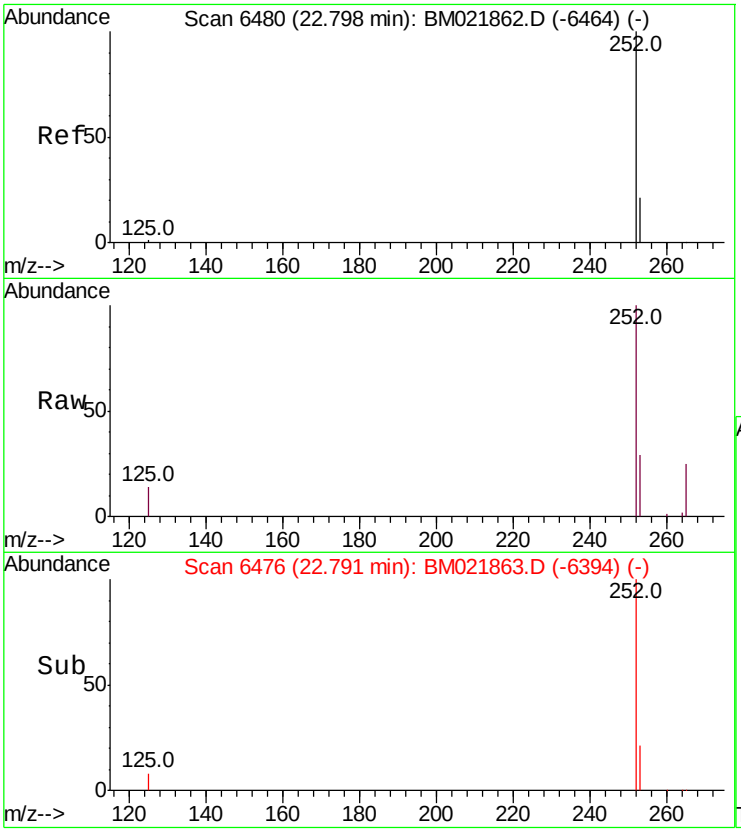



#19
Chrysene
Concen: 0.434 ng/ul
RT: 21.28 min Scan# 5851
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:228 Resp: 6499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 24.9 | 37.3 |
| 229 | 20.7 | 16.6 | 25.0 |

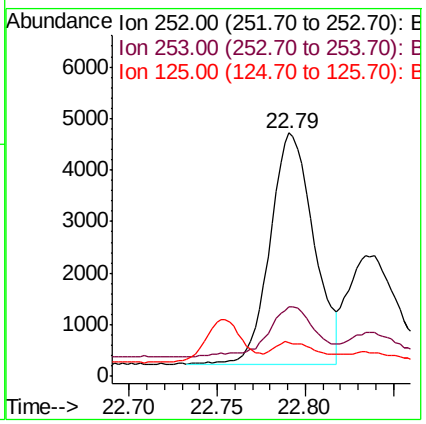





#21
Benzo(b)fluoranthene
Concen: 0.608 ng/ul
RT: 22.79 min Scan# 6476
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:252 Resp: 7754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.7 | 0.0 | 67.4 |
| 125 | 13.8 | 0.0 | 31.0 |

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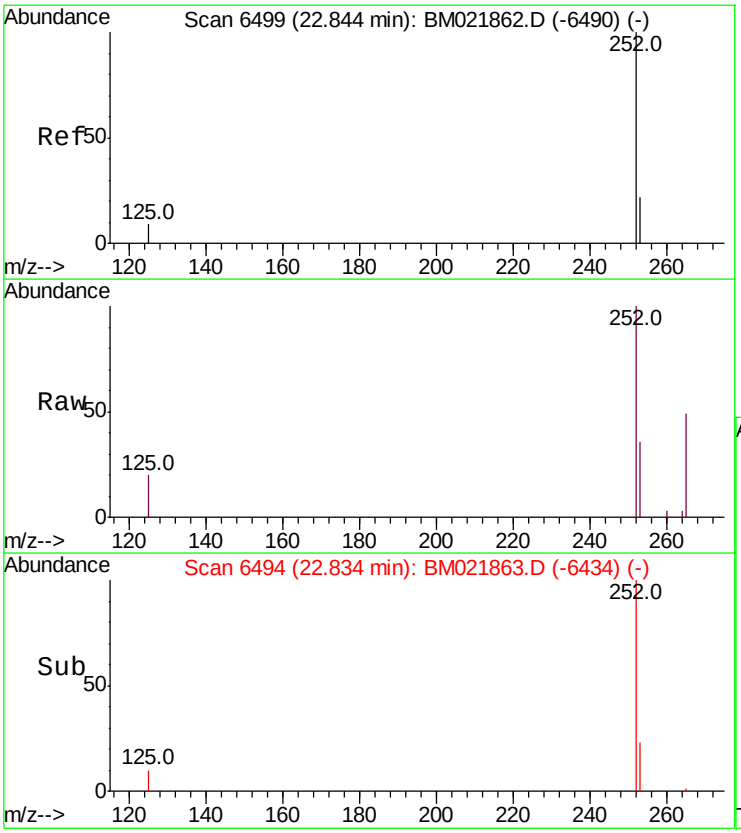
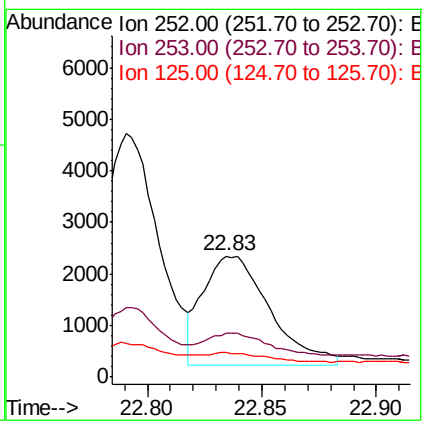
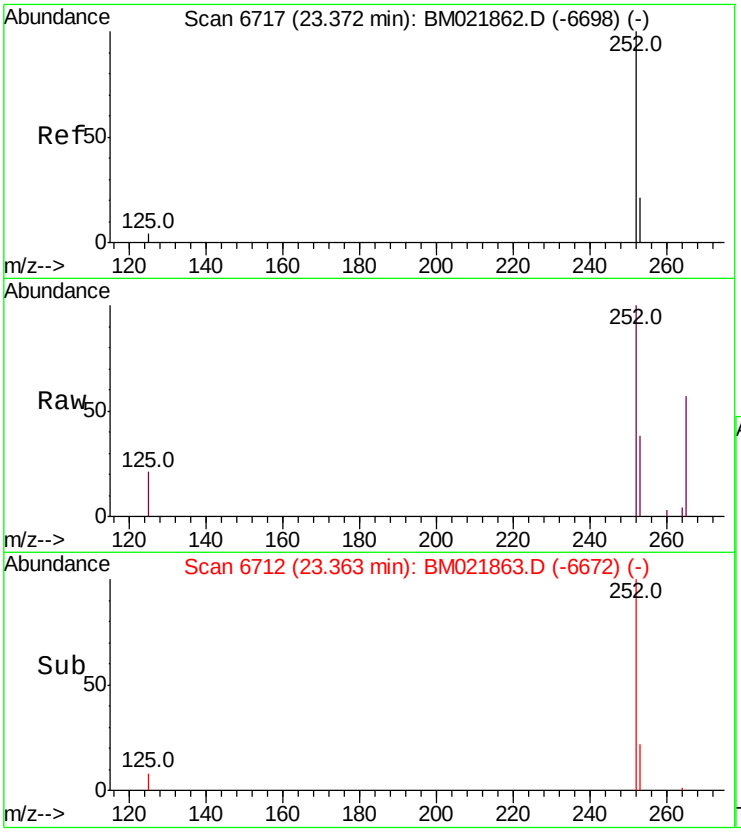



#22
Benzo(k)fluoranthene
Concen: 0.302 ng/ul m
RT: 22.83 min Scan# 6494
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:252 Resp: 4360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 36.4 | 27.0 | 40.4 |
| 125 | 20.5 | 12.2 | 18.2# |

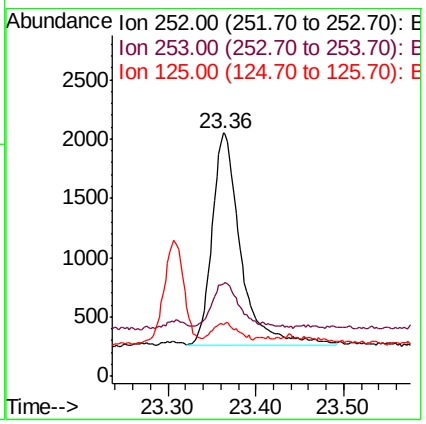





#23
Benzo(a)pyrene
Concen: 0.306 ng/ul
RT: 23.36 min Scan# 6712
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:252 Resp: 3973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 38.2 | 31.7 | 47.5 |
| 125 | 21.1 | 14.6 | 21.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
A52T0

**Manual Integrations APPROVED**
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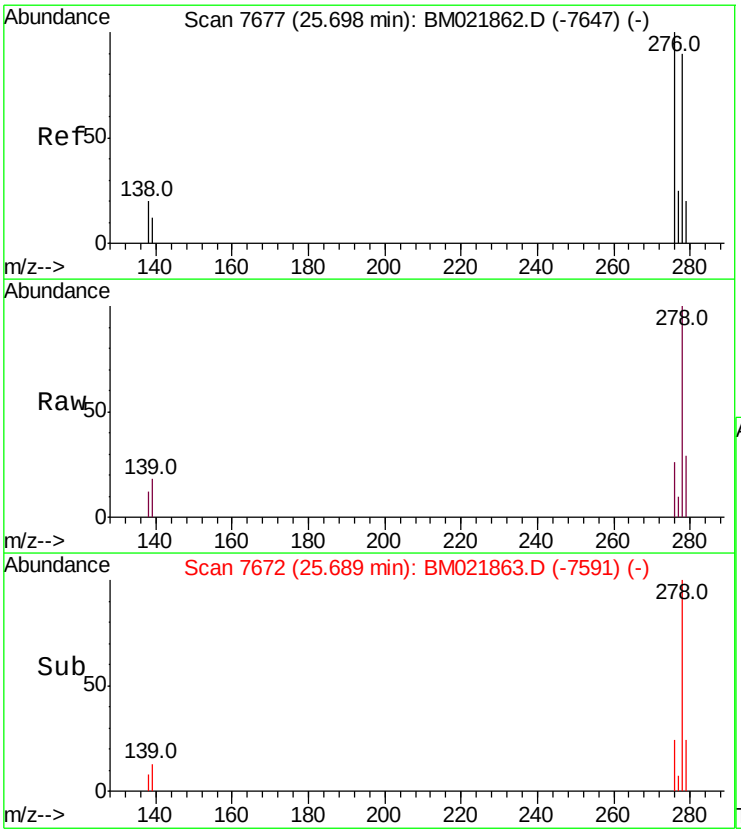
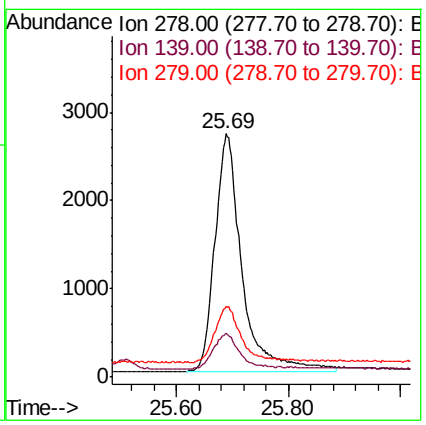
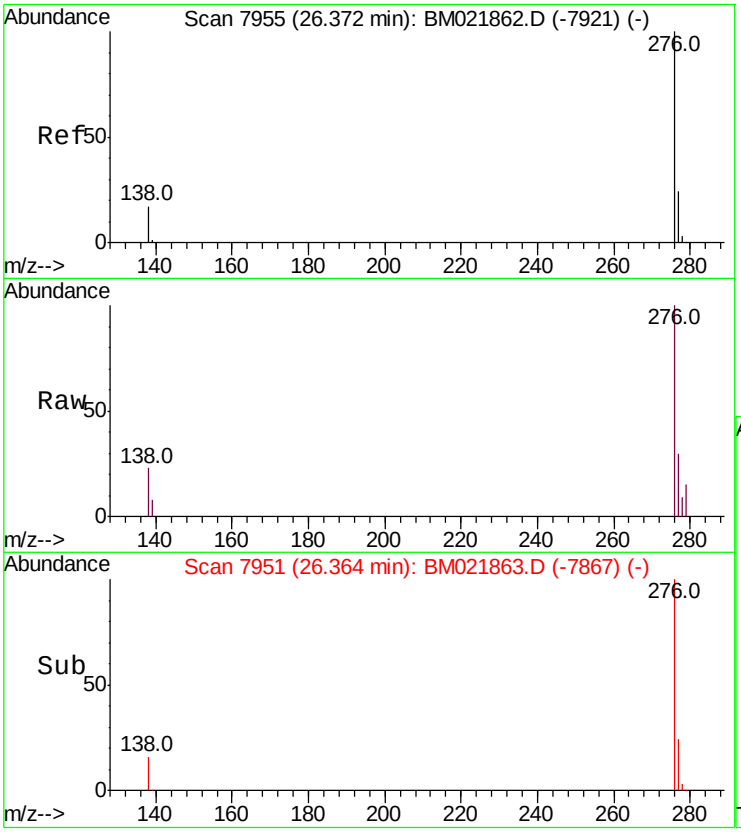



#25
Dibenzo(a,h)anthracene
Concen: 0.725 ng/ul
RT: 25.69 min Scan# 7672
Delta R.T. -0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:278 Resp: 9085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.1 | 14.2 | 21.2 |
| 279 | 29.2 | 28.3 | 42.5 |

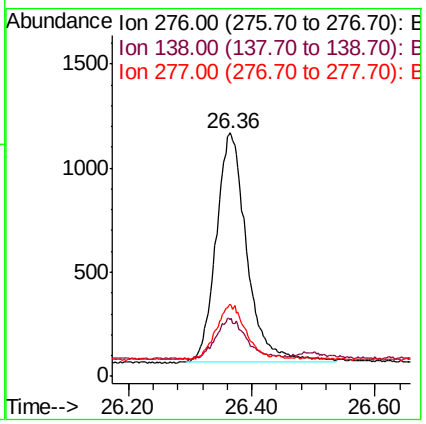





#26
Benzo(g,h,i)perylene
Concen: 0.274 ng/ul
RT: 26.36 min Scan# 7951
Delta R.T. 0.00 min
Lab File: BM021863.D
Acq: 06 Aug 2019 17:57

Tgt Ion:276 Resp: 3816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.1 | 15.5 | 23.3 |
| 277 | 29.6 | 21.4 | 32.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
A52T0

**Manual Integrations APPROVED**
mohammad
8/6/2019 10:22:08 PM