Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
Data File : BM046412.D
Acq On : 06 Jul 2024 10:54
Operator : MA/JU
Sample : P2982-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 08 00:47:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM070524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 16:01:25 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.535 | 152 | 10713 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.297 | 136 | 30566 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.182 | 164 | 17957 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.929 | 188 | 36327 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.140 | 240 | 17509 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.300 | 264 | 21007 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.130 | 96 | 18937 | 1.711 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.898 | 152 | 7218 | 0.160 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.968 | 212 | 12450 | 0.203 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.347 | 128 | 31724 | 0.391 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 11.975 | 142 | 15552 | 0.283 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.194 | 142 | 12409 | 0.219 | ng/ul | 98 |
| 10) Acenaphthylene | 13.895 | 152 | 73481 | 0.806 | ng/ul | 100 |
| 11) Acenaphthene | 14.242 | 153 | 33333 | 0.561 | ng/ul | 98 |
| 12) Fluorene | 15.236 | 166 | 42242 | 0.602 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.583 | 266 | 894 | 0.084 | ng/ul | 98 |
| 15) Phenanthrene | 16.971 | 178 | 790098 | 7.263 | ng/ul | 99 |
| 16) Anthracene | 17.064 | 178 | 155105 | 1.470 | ng/ul | 99 |
| 19) Fluoranthene | 19.001 | 202 | 1444582 | 16.322 | ng/ul | 98 |
| 20) Pyrene | 19.363 | 202 | 1000189 | 10.983 | ng/ul | 95 |
| 21) Benzo(a)anthracene | 21.123 | 228 | 529129 | 6.764 | ng/ul | 95 |
| 22) Chrysene | 21.175 | 228 | 615157 | 7.909 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.663 | 252 | 820191m | 9.184 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.701 | 252 | 298304m | 3.309 | ng/ul | |
| 26) Benzo(a)pyrene | 23.206 | 252 | 286209 | 4.055 | ng/ul | 99 |
| 27) Indeno(1,2,3-cd)pyrene | 25.447 | 276 | 304132 | 3.189 | ng/ul# | 90 |
| 28) Dibenzo(a,h)anthracene | 25.461 | 278 | 96103 | 1.303 | ng/ul | 96 |
| 29) Benzo(g,h,i)perylene | 26.098 | 276 | 46207 | 0.608 | ng/ul | 93 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
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Operator : MA/JU
Sample : P2982-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

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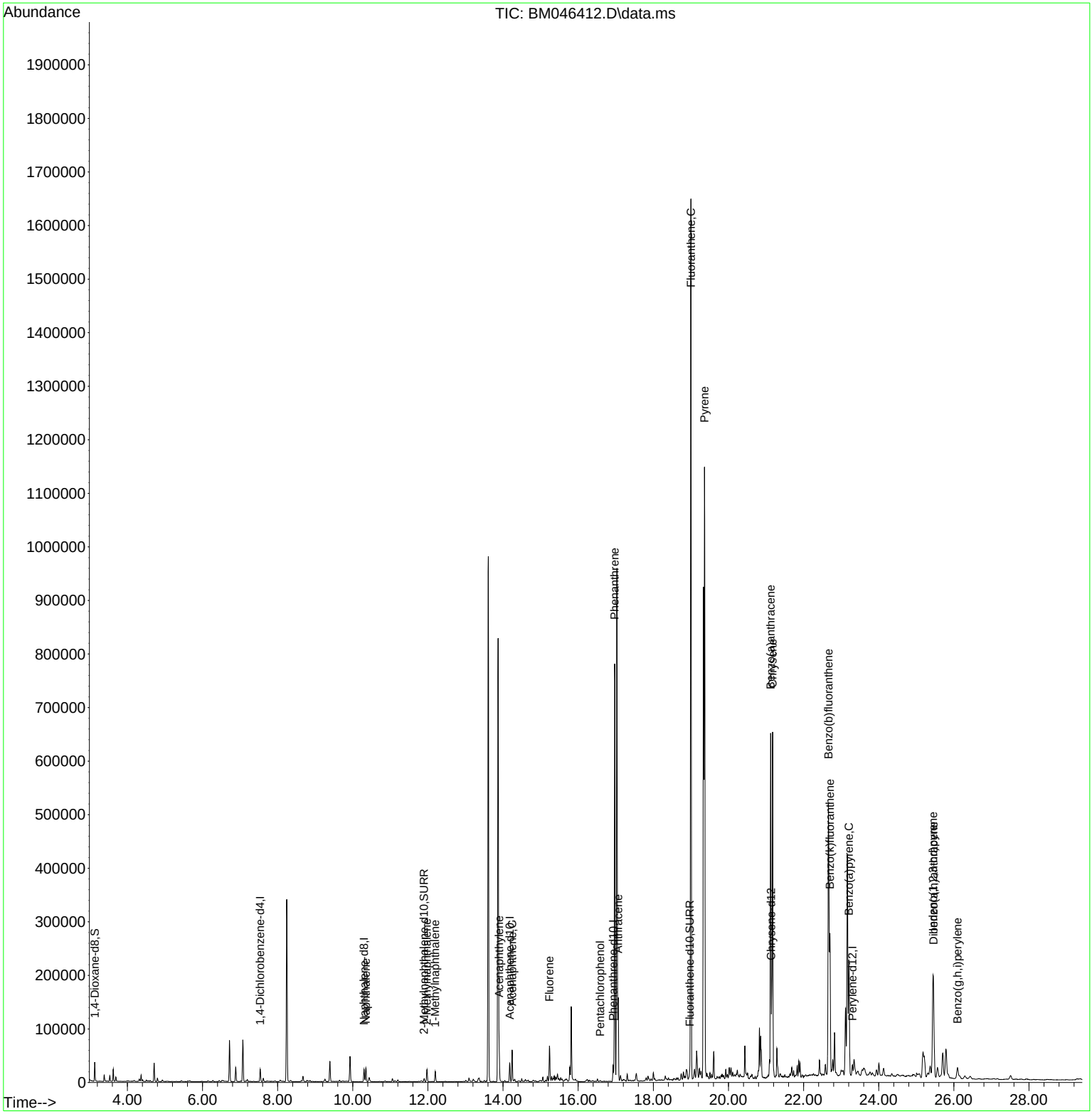
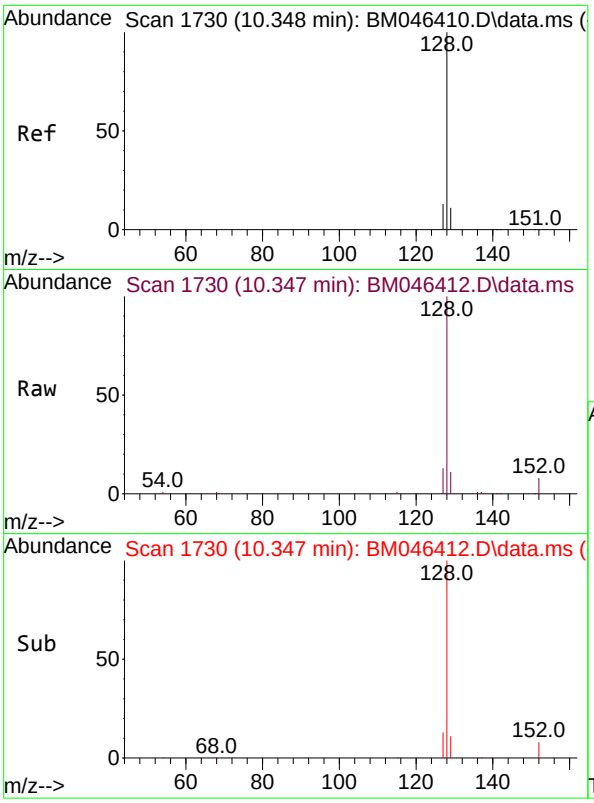
QLast Update : Fri Jul 05 16:01:25 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024






#5
Naphthalene
Concen: 0.391 ng/ul
RT: 10.347 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:128 Resp: 3172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.4 | 14.0 |
| 127 | 13.2 | 10.8 | 16.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
**APPROVED**

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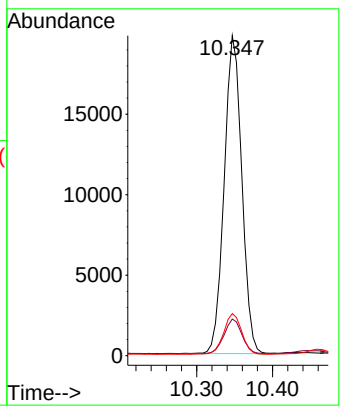
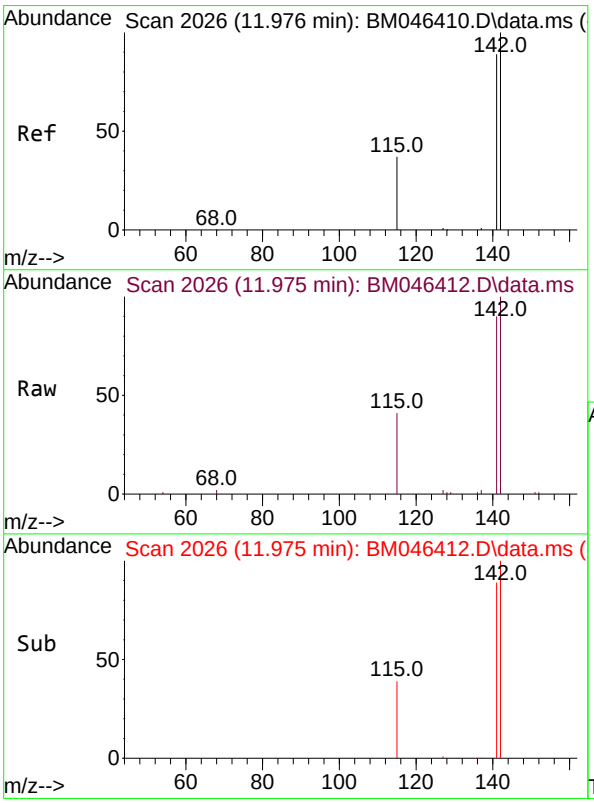
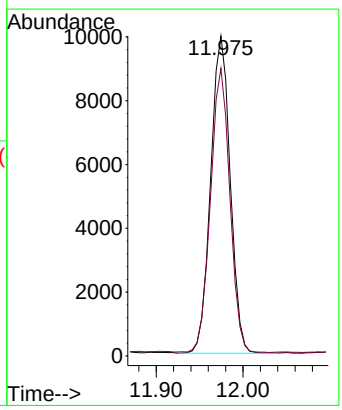


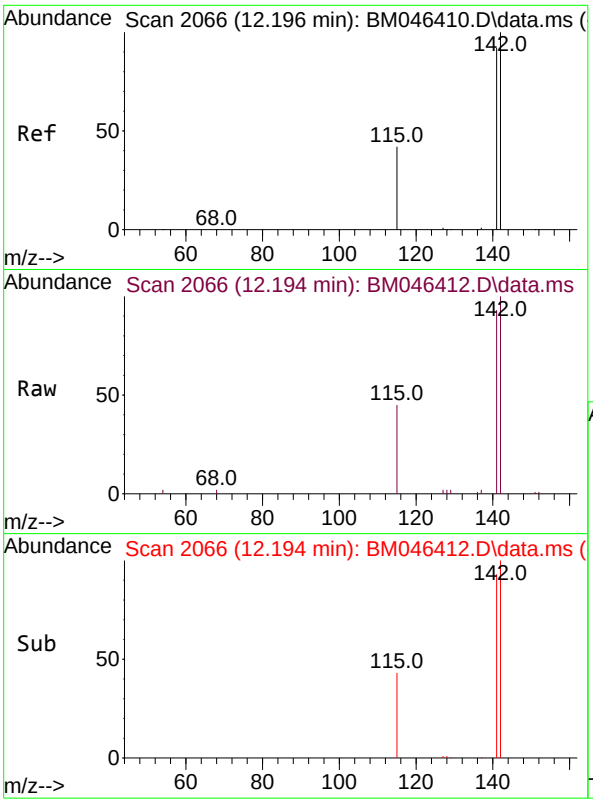




#7
2-Methylnaphthalene
Concen: 0.283 ng/ul
RT: 11.975 min Scan# 2026
Delta R.T. -0.005 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:142 Resp: 15552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 69.8 | 104.6 |






#8
1-Methylnaphthalene
Concen: 0.219 ng/ul
RT: 12.194 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:142 Resp: 1240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 72.4 | 108.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
**APPROVED**

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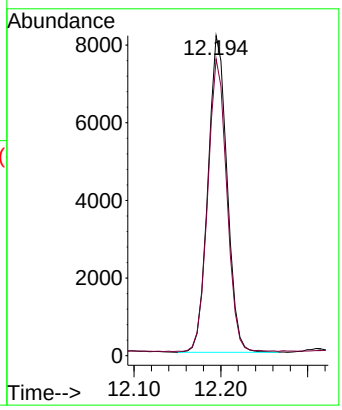
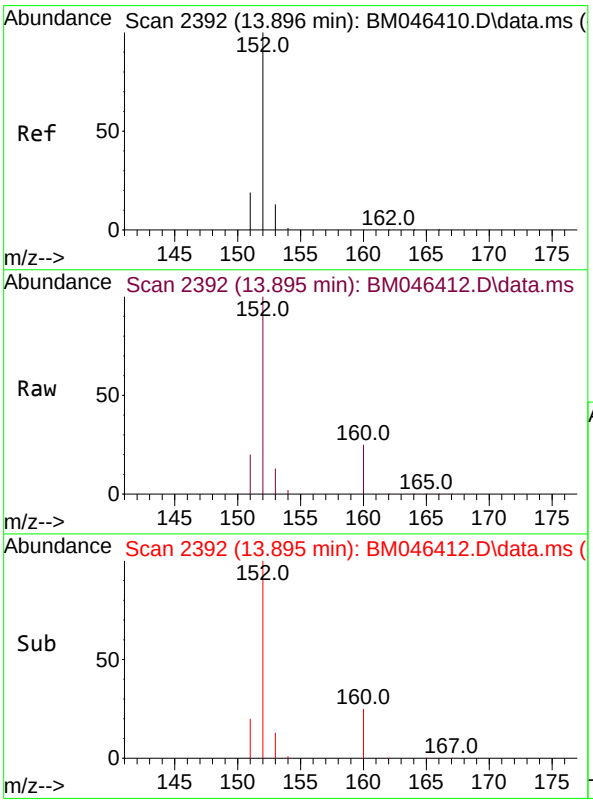
Supervised By :mohammad ahmed 07/08/2024

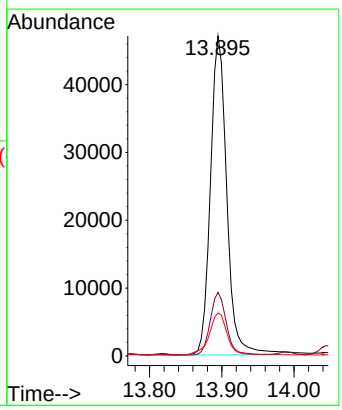


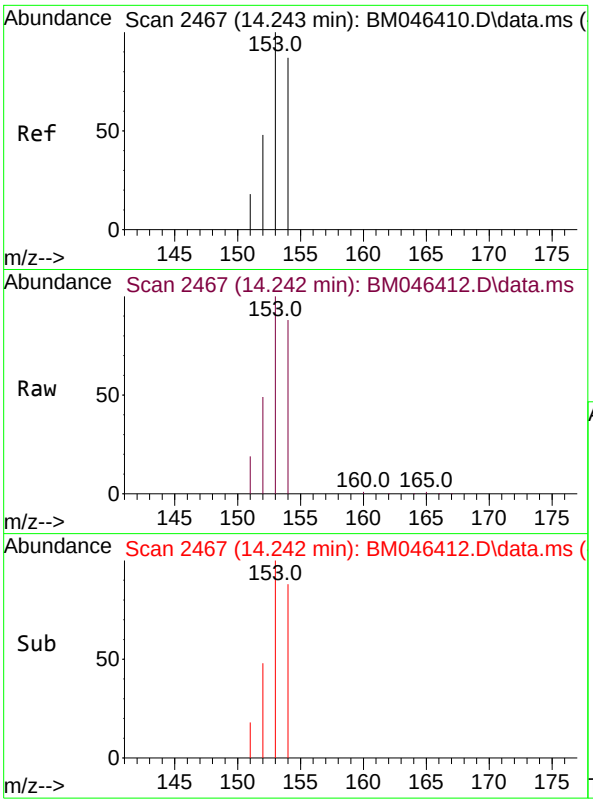




#10
Acenaphthylene
Concen: 0.806 ng/ul
RT: 13.895 min Scan# 2392
Delta R.T. -0.005 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:152 Resp: 73481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 15.9 | 23.9 |
| 153 | 13.4 | 11.0 | 16.6 |






#11
Acenaphthene
Concen: 0.561 ng/ul
RT: 14.242 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:153 Resp: 3333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.9 | 40.4 | 60.6 |
| 154 | 87.9 | 72.1 | 108.1 |

**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
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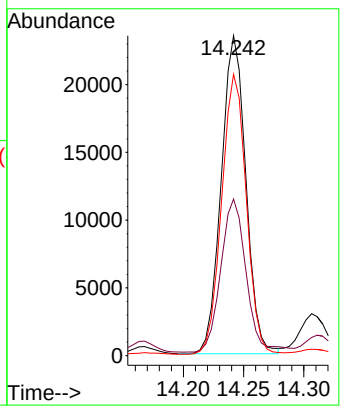
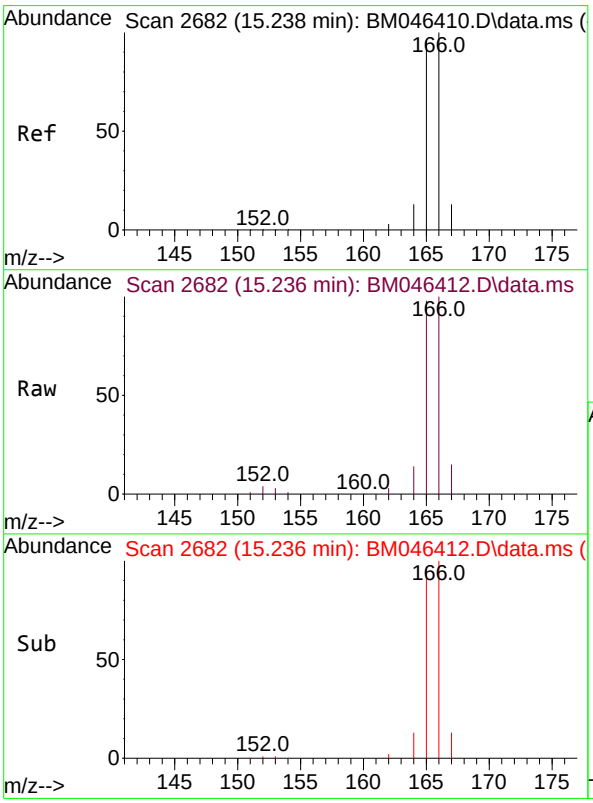
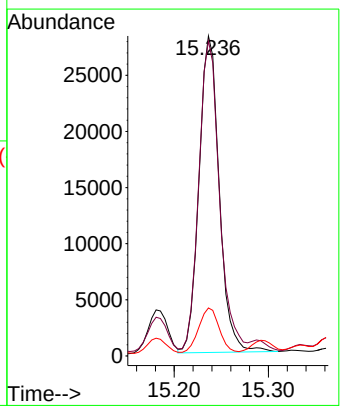


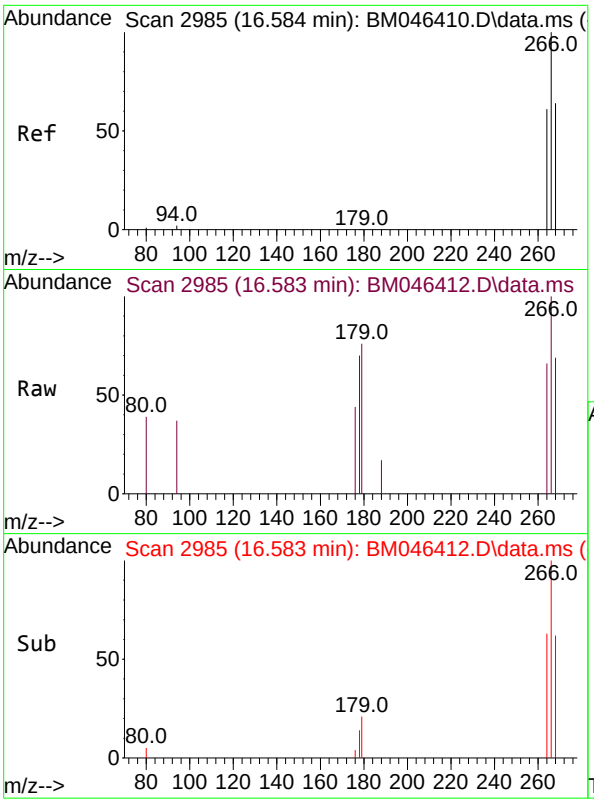




#12
Fluorene
Concen: 0.602 ng/ul
RT: 15.236 min Scan# 2682
Delta R.T. -0.005 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:166 Resp: 42242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.5 | 78.0 | 117.0 |
| 167 | 15.0 | 11.4 | 17.0 |

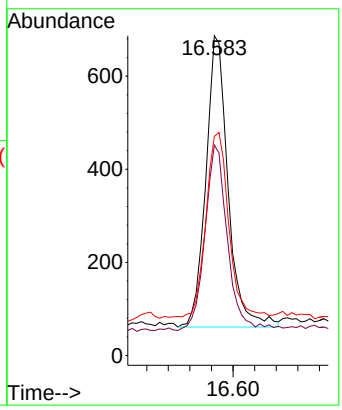





#14
Pentachlorophenol
Concen: 0.084 ng/ul
RT: 16.583 min Scan# 2
Delta R.T. -0.004 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:266 Resp: 89

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 64.8 | 51.0 | 76.6 |
| 268 | 65.5 | 50.8 | 76.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
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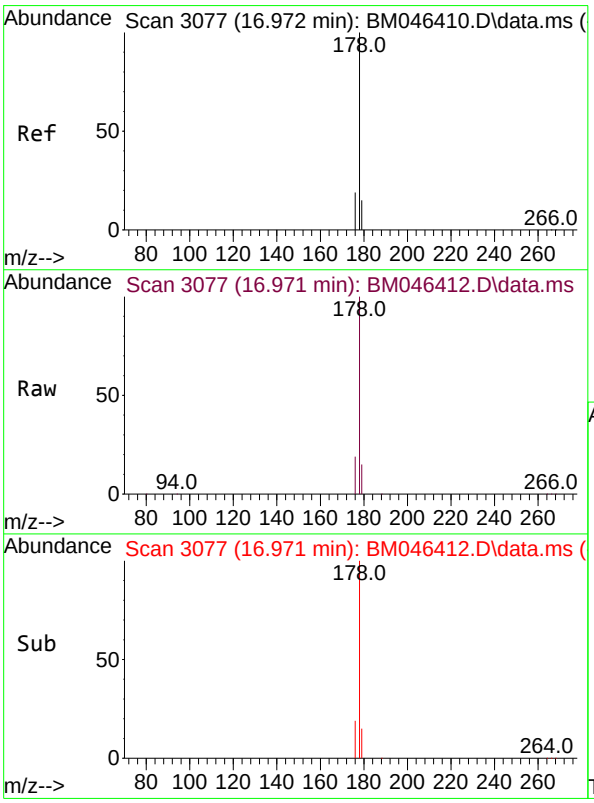
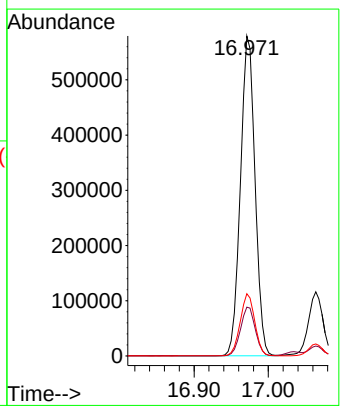
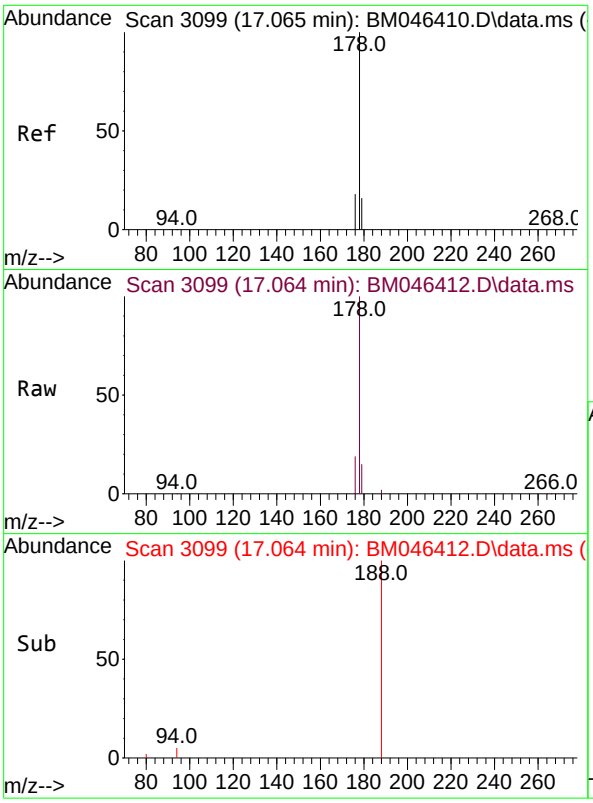



#15
Phenanthrene
Concen: 7.263 ng/ul
RT: 16.971 min Scan# 3077
Delta R.T. -0.004 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:178 Resp: 790098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.7 | 19.1 |
| 176 | 19.4 | 16.0 | 24.0 |

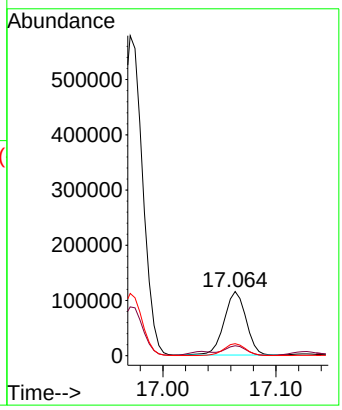





#16
Anthracene
Concen: 1.470 ng/ul
RT: 17.064 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:178 Resp: 15510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.6 | 18.8 |
| 176 | 18.8 | 14.9 | 22.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
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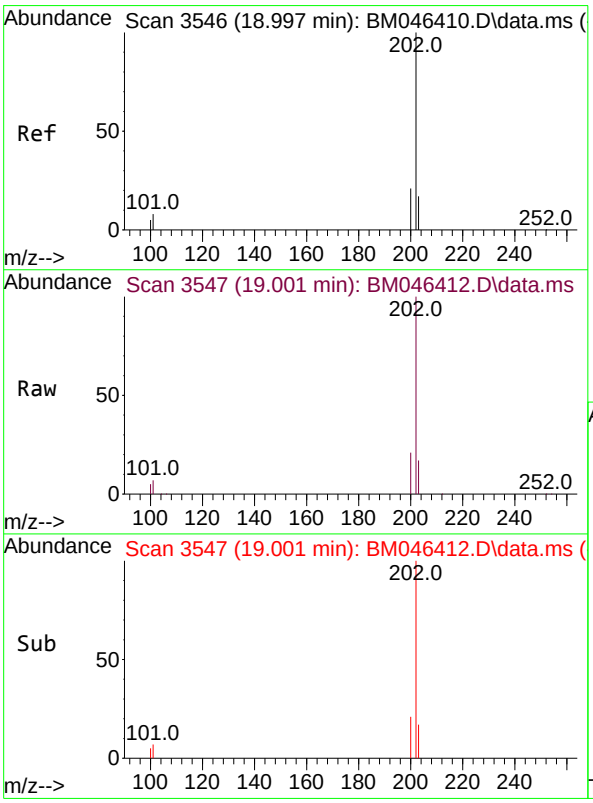
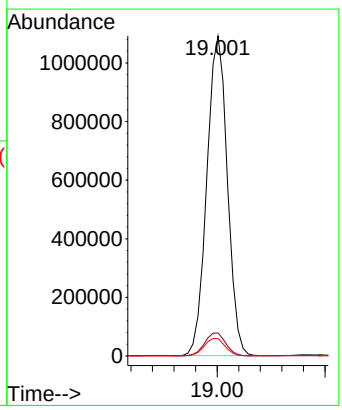
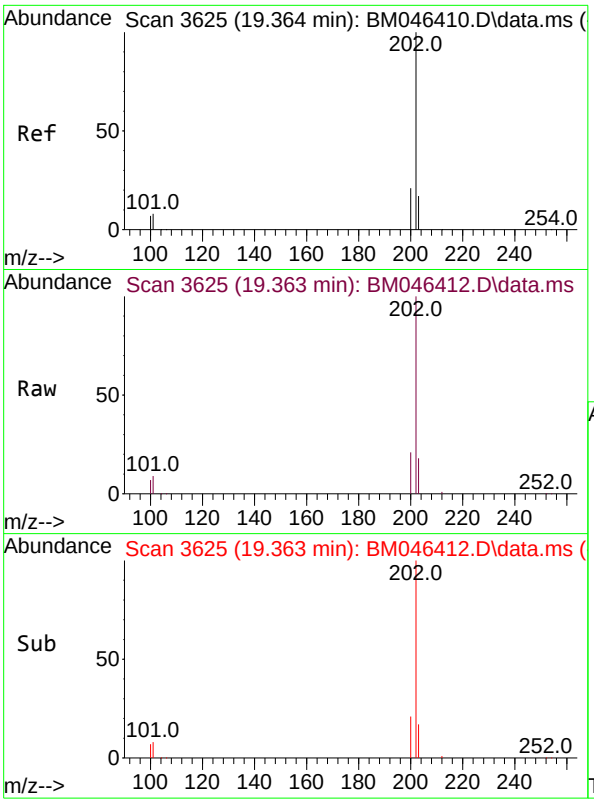



#19
Fluoranthene
Concen: 16.322 ng/ul
RT: 19.001 min Scan# 3547
Delta R.T. -0.005 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:202 Resp: 1444582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.2 | 6.3 | 9.5 |
| 100 | 5.4 | 5.0 | 7.6 |






#20
Pyrene
Concen: 10.983 ng/ul
RT: 19.363 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:202 Resp: 100018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.5 | 8.2 | 12.4 |
| 100 | 6.9 | 6.9 | 10.3 |

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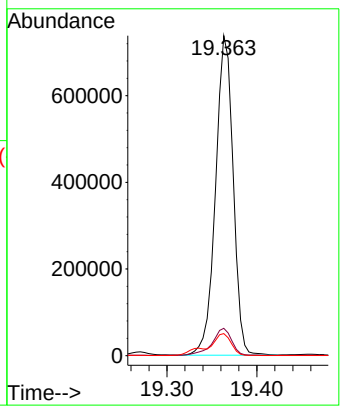
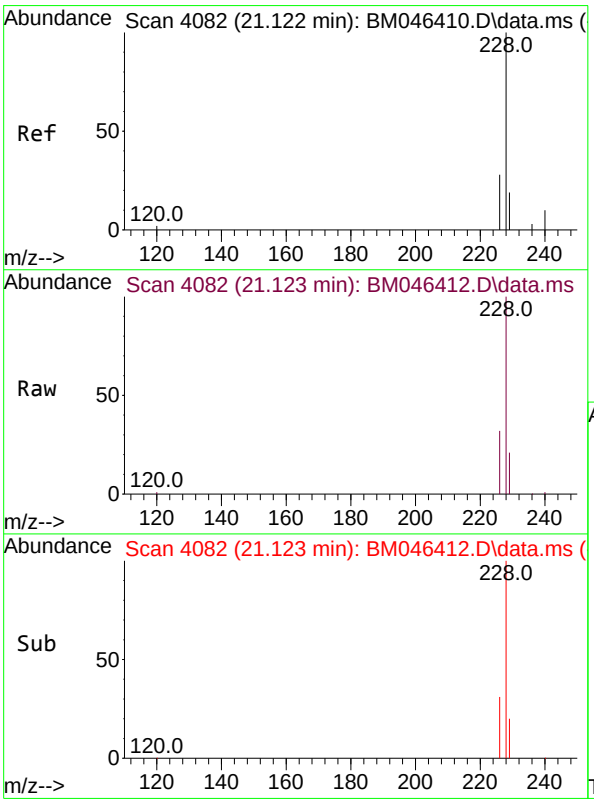
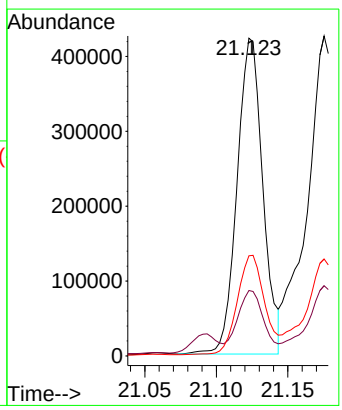


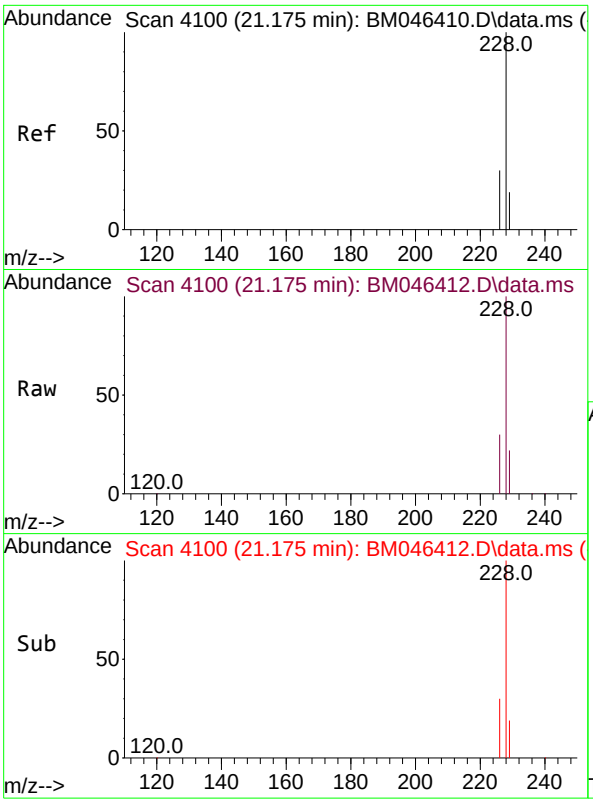




#21
Benzo(a)anthracene
Concen: 6.764 ng/ul
RT: 21.123 min Scan# 4082
Delta R.T. -0.003 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:228 Resp: 529129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 15.8 | 23.6 |
| 226 | 31.5 | 22.0 | 33.0 |

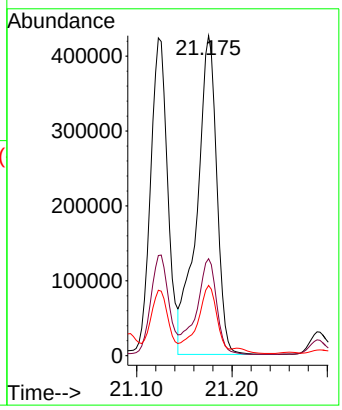





#22
Chrysene
Concen: 7.909 ng/ul
RT: 21.175 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:228 Resp: 61515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.1 | 36.1 |
| 229 | 21.9 | 15.8 | 23.6 |

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A4CF0

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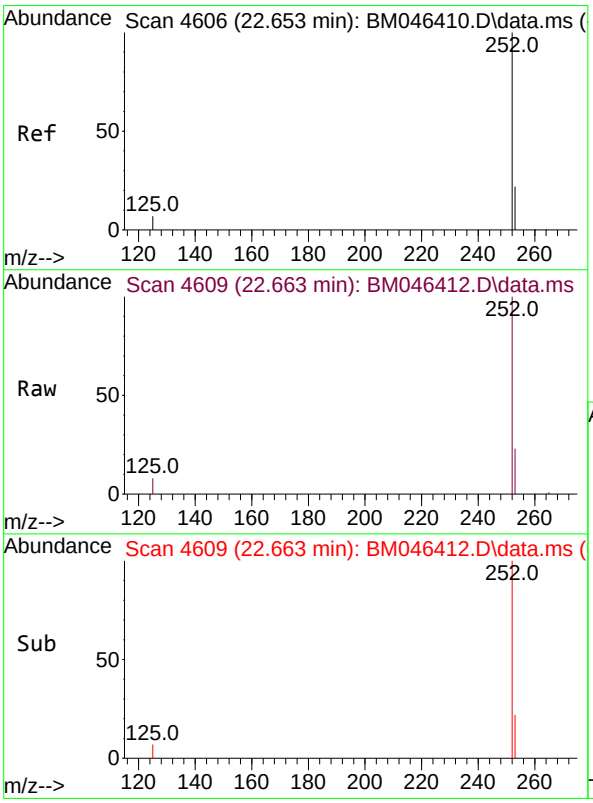
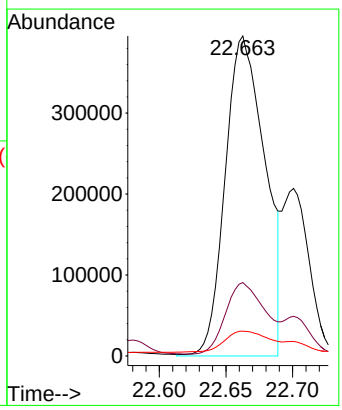
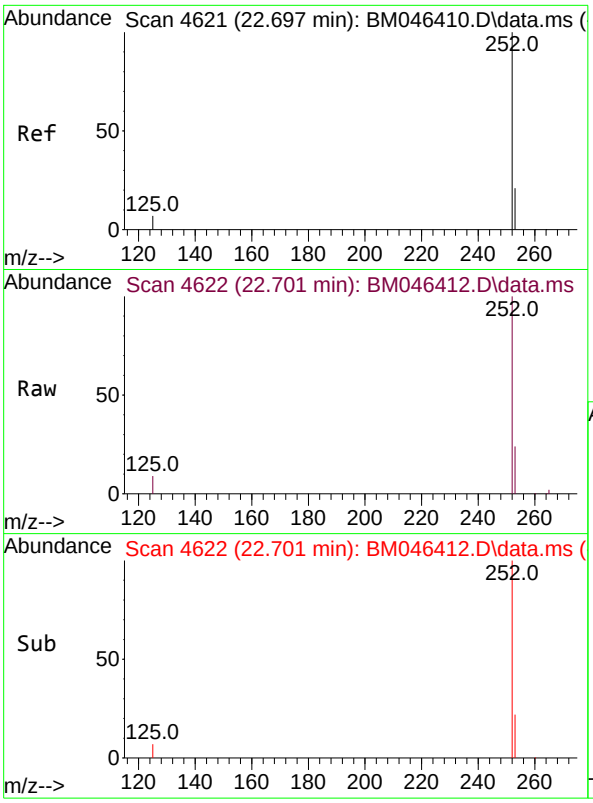



#24
Benzo(b)fluoranthene
Concen: 9.184 ng/ul m
RT: 22.663 min Scan# 4609
Delta R.T. 0.000 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:252 Resp: 820191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 0.0 | 47.0 |
| 125 | 7.7 | 0.0 | 18.4 |

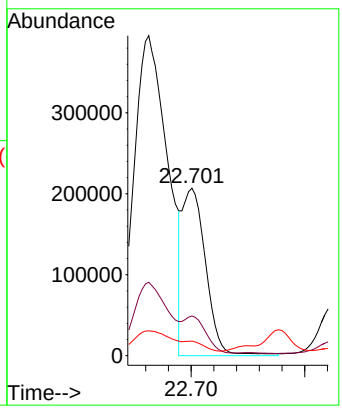





#25
Benzo(k)fluoranthene
Concen: 3.309 ng/ul m
RT: 22.701 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:252 Resp: 29830

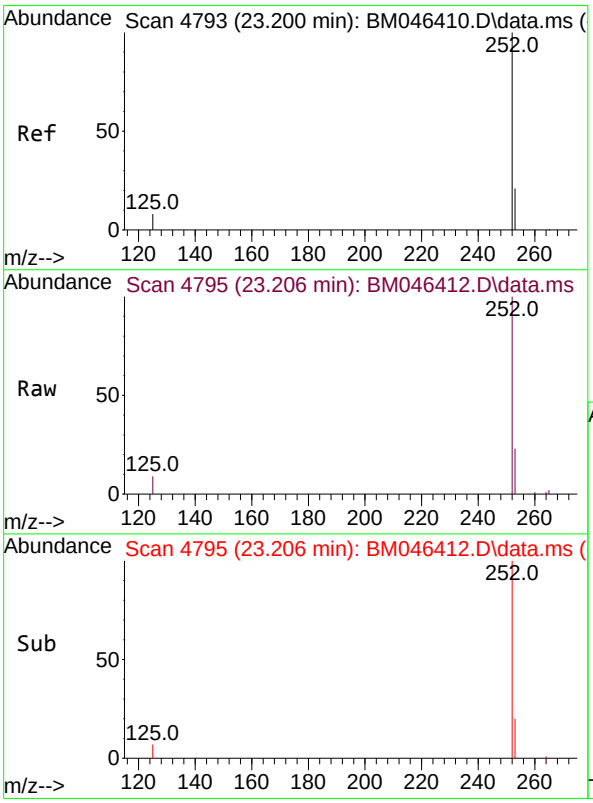
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.4 | 27.6 |
| 125 | 8.7 | 7.5 | 11.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
**APPROVED**

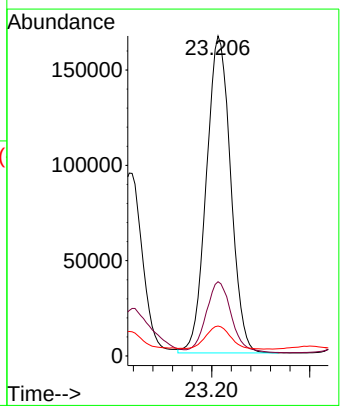
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

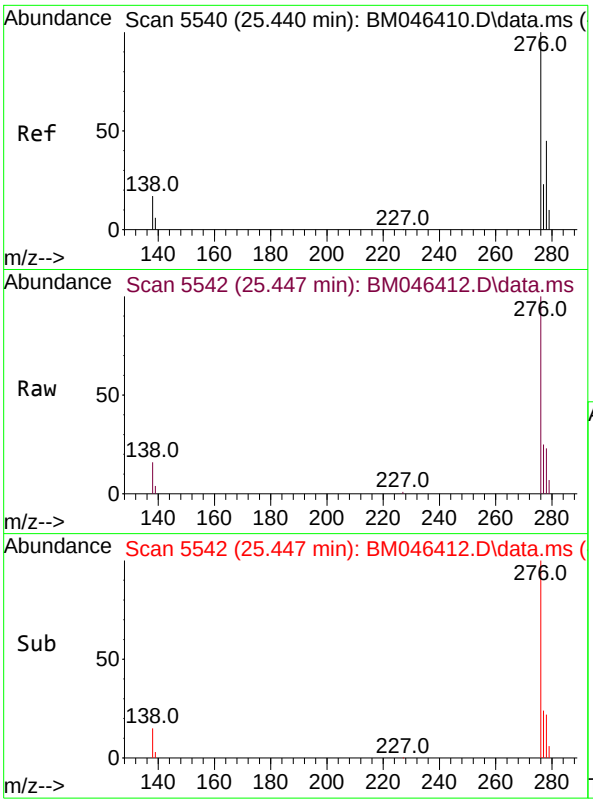



#26
Benzo(a)pyrene
Concen: 4.055 ng/ul
RT: 23.206 min Scan# 4795
Delta R.T. -0.003 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:252 Resp: 286209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 18.9 | 28.3 |
| 125 | 9.4 | 8.1 | 12.1 |

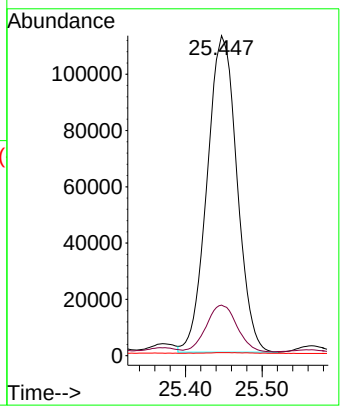





#27
Indeno(1,2,3-cd)pyrene
Concen: 3.189 ng/ul
RT: 25.447 min Scan# 5
Delta R.T. 0.000 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:276 Resp: 30413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.1 | 15.7 | 23.5# |
| 227 | 0.4 | 0.1 | 0.1# |




**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
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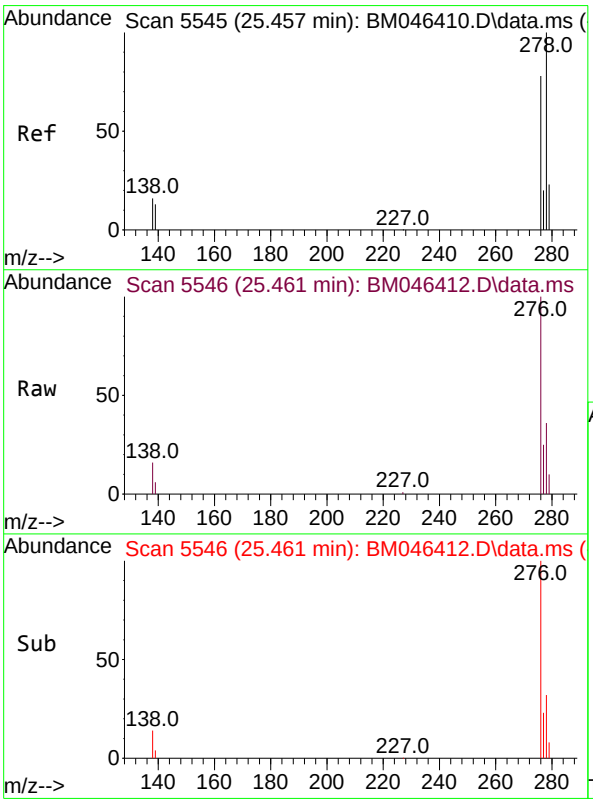
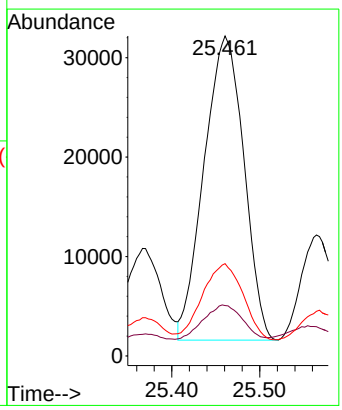
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

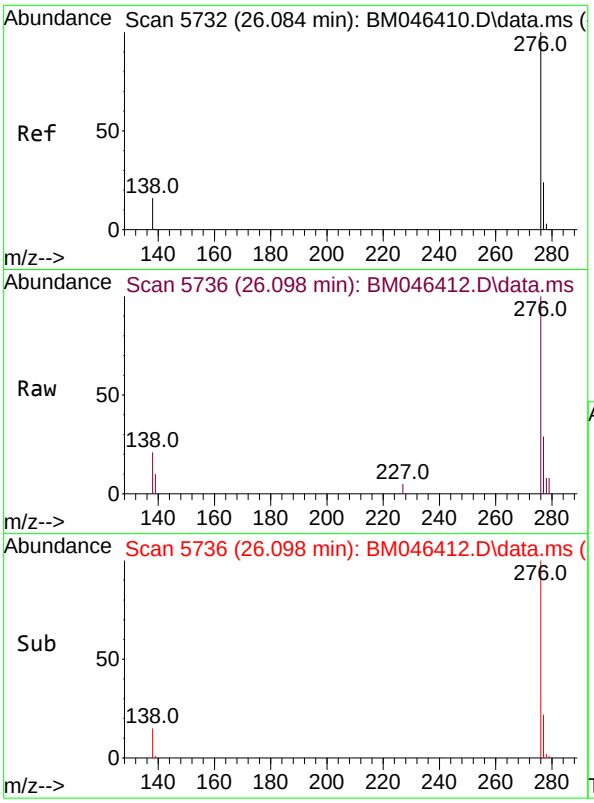



#28
Dibenzo(a,h)anthracene
Concen: 1.303 ng/ul
RT: 25.461 min Scan# 5546
Delta R.T. -0.013 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:278 Resp: 96103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.8 | 12.6 | 18.8 |
| 279 | 28.8 | 20.7 | 31.1 |

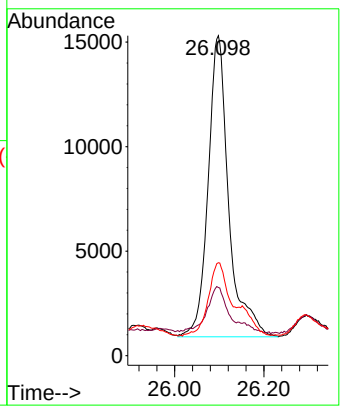





#29
Benzo(g,h,i)perylene
Concen: 0.608 ng/ul
RT: 26.098 min Scan# 5
Delta R.T. 0.007 min
Lab File: BM046412.D
Acq: 06 Jul 2024 10:54

Tgt Ion:276 Resp: 4620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.3 | 15.4 | 23.0 |
| 277 | 29.0 | 19.7 | 29.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4CF0

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024