Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080921\
Data File : BM031642.D
Acq On : 10 Aug 2021 15:32
Operator : CG/JU
Sample : M3169-07DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C00A6DL

**Manual Integrations APPROVED**
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Quant Time: Aug 10 16:07:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 10 11:49:22 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.576 | 152 | 1406 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.338 | 136 | 5138 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.212 | 164 | 2935 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.961 | 188 | 5481 | 0.400 | ng/ul | # 0.00 |
| 17) Chrysene-d12 | 21.159 | 240 | 4538 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.314 | 264 | 4478 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.189 | 96 | 1584 | 1.014 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.935 | 152 | 563 | 0.065 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.993 | 212 | 1171 | 0.077 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.388 | 128 | 8535 | 0.558 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.007 | 142 | 6588 | 0.630 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.227 | 142 | 3420 | 0.331 | ng/ul | 99 |
| 10) Acenaphthylene | 13.932 | 152 | 4403 | 0.352 | ng/ul | 98 |
| 11) Acenaphthene | 14.273 | 153 | 578m | 0.055 | ng/ul | |
| 12) Fluorene | 15.266 | 166 | 791 | 0.065 | ng/ul# | 84 |
| 15) Phenanthrene | 17.002 | 178 | 23629 | 1.358 | ng/ul | 98 |
| 16) Anthracene | 17.093 | 178 | 5005 | 0.307 | ng/ul | 97 |
| 19) Fluoranthene | 19.024 | 202 | 39080 | 2.017 | ng/ul# | 96 |
| 20) Pyrene | 19.390 | 202 | 36396 | 1.852 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.142 | 228 | 21063 | 1.149 | ng/ul | 94 |
| 22) Chrysene | 21.195 | 228 | 26326 | 1.389 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 22.677 | 252 | 36591m | 1.814 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.711 | 252 | 12276m | 0.589 | ng/ul | |
| 26) Benzo(a)pyrene | 23.222 | 252 | 21599 | 1.222 | ng/ul | 97 |
| 27) Indeno(1,2,3-cd)pyrene | 25.446 | 276 | 16898 | 0.740 | ng/ul# | 98 |
| 28) Dibenzo(a,h)anthracene | 25.453 | 278 | 4222 | 0.229 | ng/ul# | 74 |
| 29) Benzo(g,h,i)perylene | 26.100 | 276 | 14545 | 0.746 | ng/ul | 97 |

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

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Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Aug 10 16:07:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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**Instrument :**
BNA_M
**ClientSampleId :**
C00A6DL

**Manual Integrations APPROVED**
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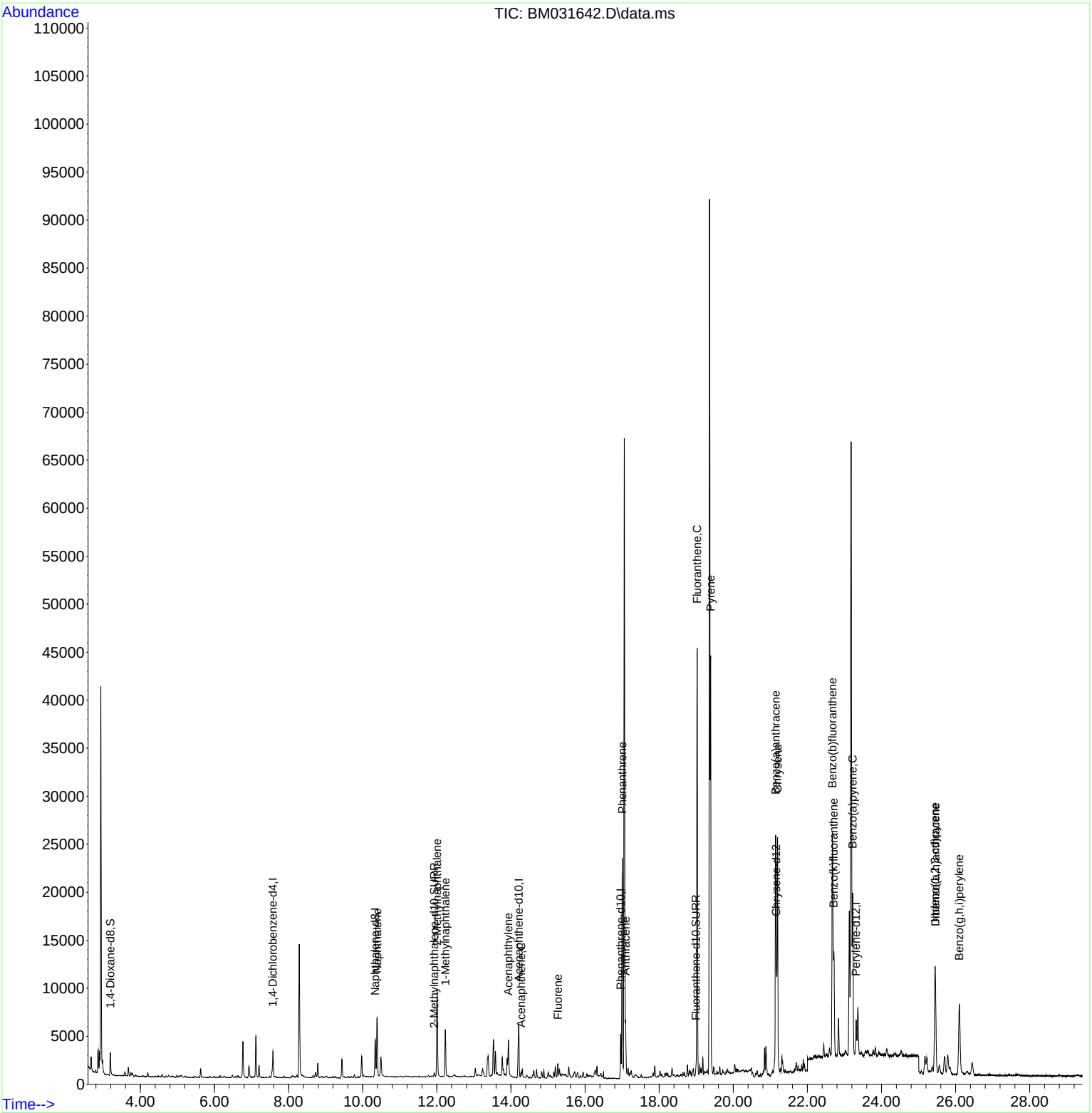
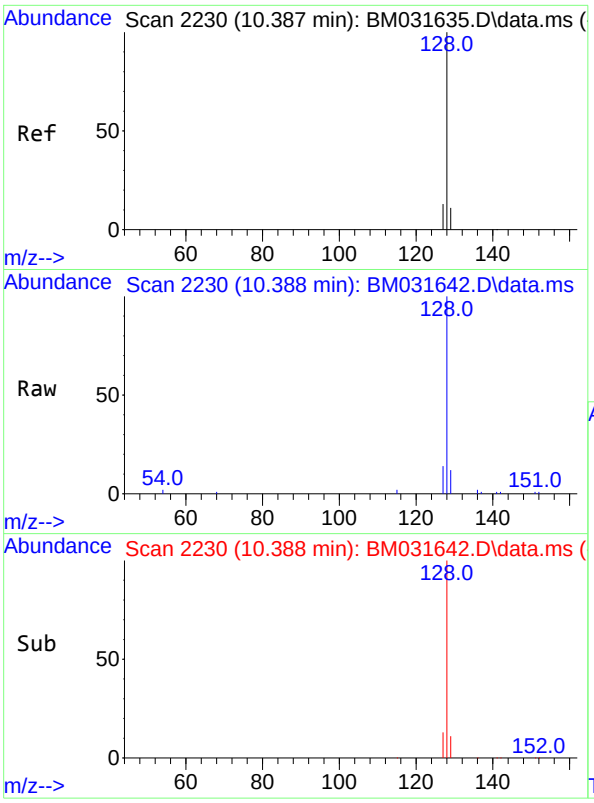
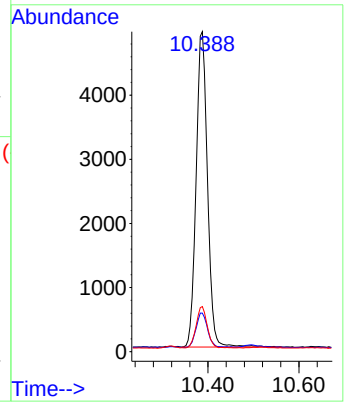





#5
Naphthalene
Concen: 0.558 ng/ul
RT: 10.388 min Scan# 2230
Delta R.T. 0.000 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:128 Resp: 8535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.1 | 10.0 | 15.0 |
| 127 | 14.1 | 11.6 | 17.4 |




**Instrument :**
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**ClientSampleId :**
C00A6DL

**Manual Integrations APPROVED**
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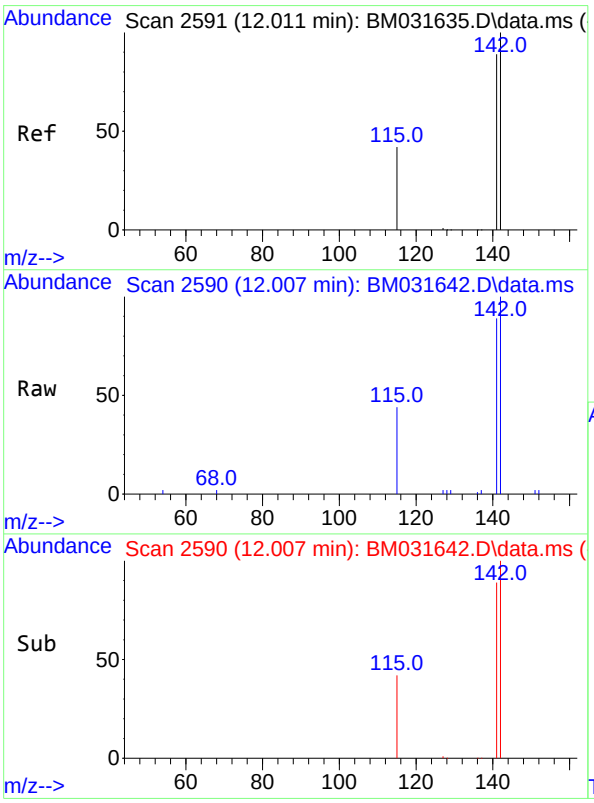
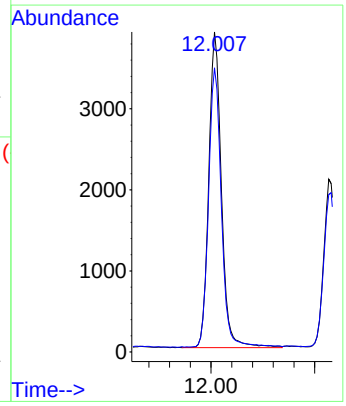
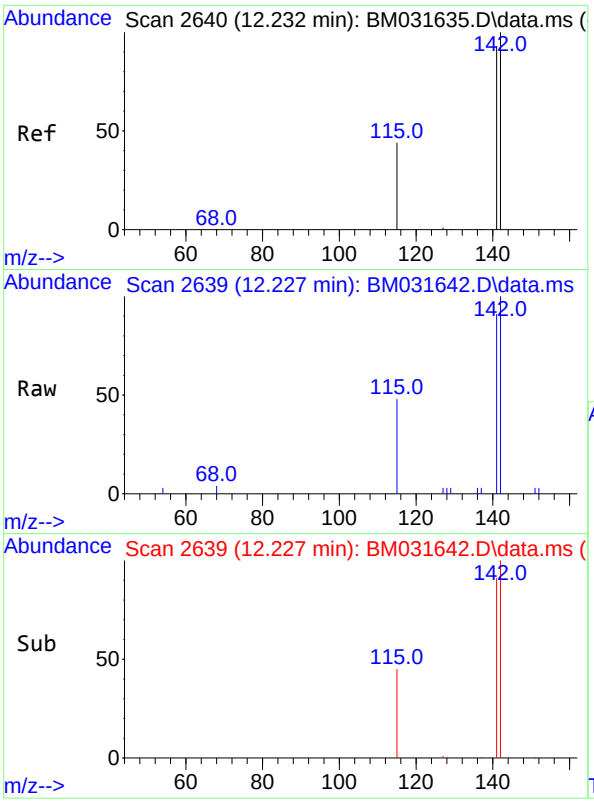



#7
2-Methylnaphthalene
Concen: 0.630 ng/ul
RT: 12.007 min Scan# 2590
Delta R.T. -0.004 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:142 Resp: 6588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 71.4 | 107.0 |

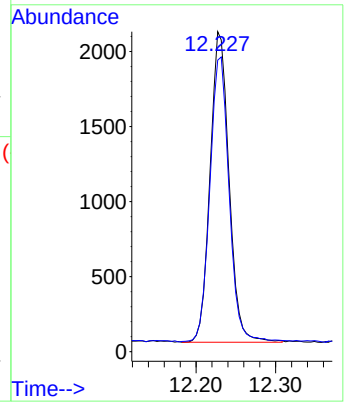





#8
1-Methylnaphthalene
Concen: 0.331 ng/ul
RT: 12.227 min Scan# 2639
Delta R.T. -0.004 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:142 Resp: 3420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 74.1 | 111.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00A6DL

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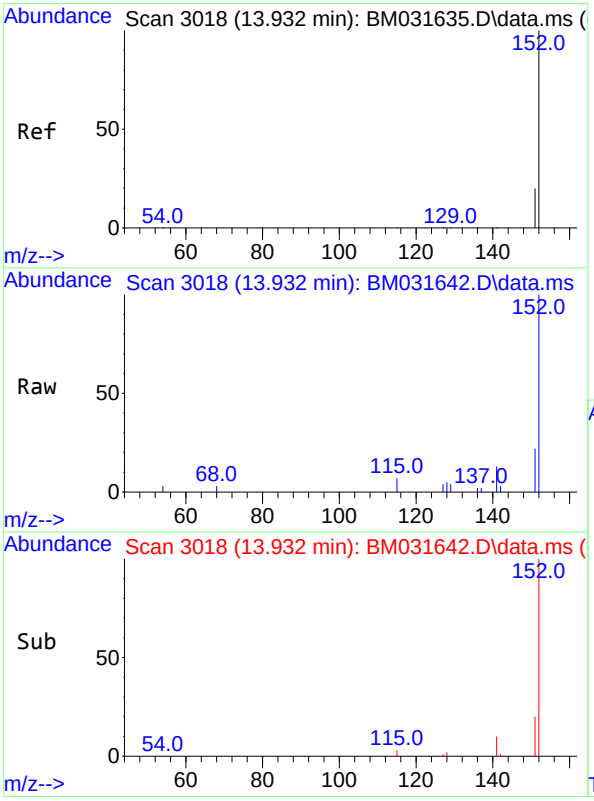
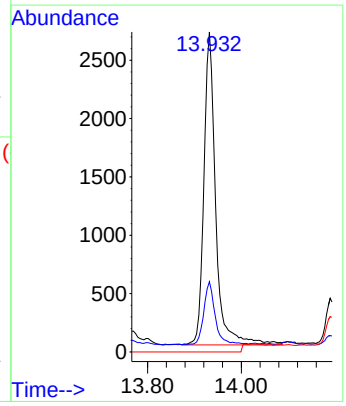
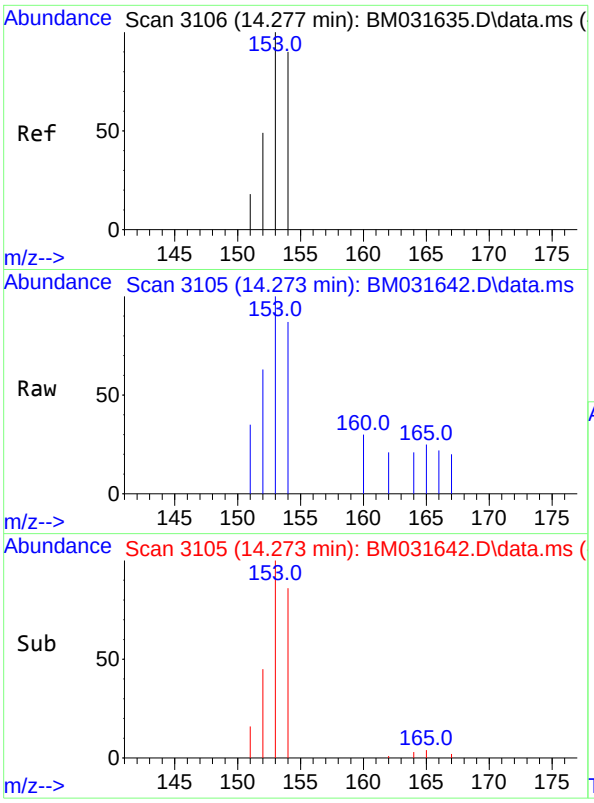



#10
Acenaphthylene
Concen: 0.352 ng/ul
RT: 13.932 min Scan# 3018
Delta R.T. 0.000 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:152 Resp: 4403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 22.0 | 16.9 | 25.3 |
| 153 | 0.0 | 0.0 | 0.0 |

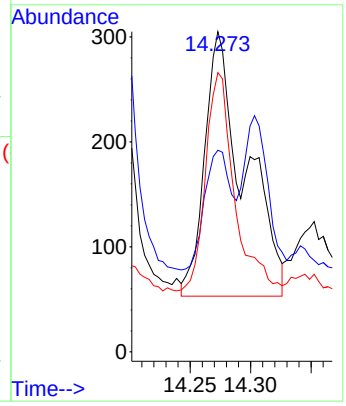





#11
Acenaphthene
Concen: 0.055 ng/ul m
RT: 14.273 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:153 Resp: 578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 63.0 | 40.7 | 61.1# |
| 154 | 87.2 | 70.2 | 105.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00A6DL

**Manual Integrations APPROVED**
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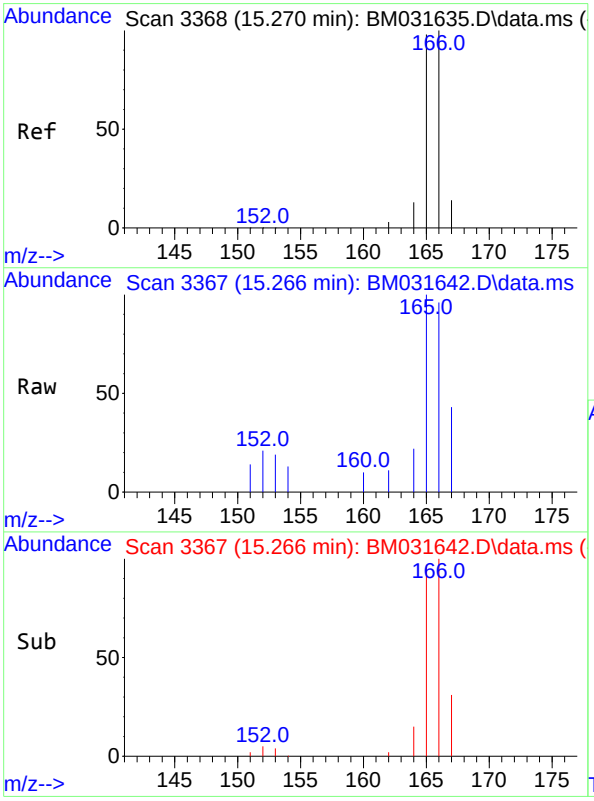
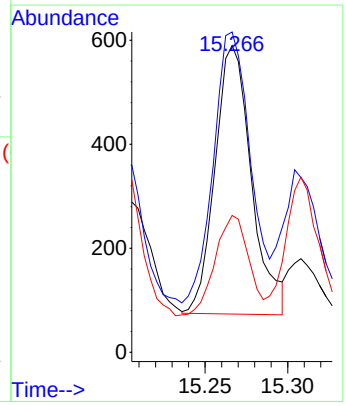
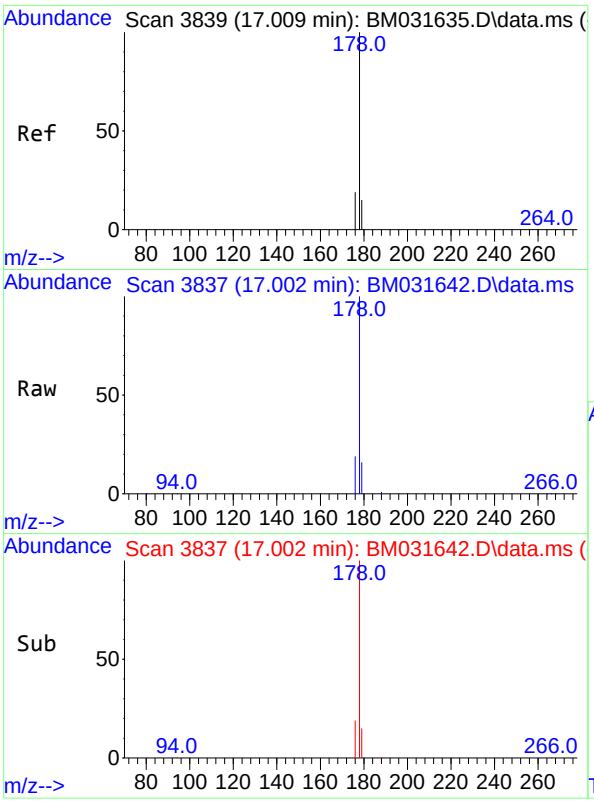



#12
Fluorene
Concen: 0.065 ng/ul
RT: 15.266 min Scan# 3367
Delta R.T. -0.004 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:166 Resp: 791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 104.4 | 78.0 | 117.0 |
| 167 | 44.6 | 12.0 | 18.0# |

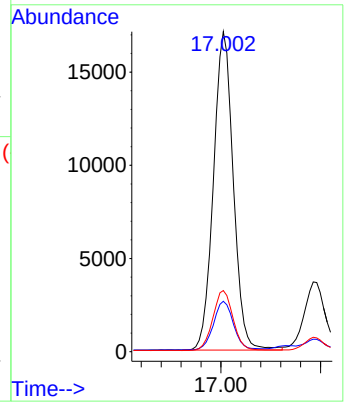


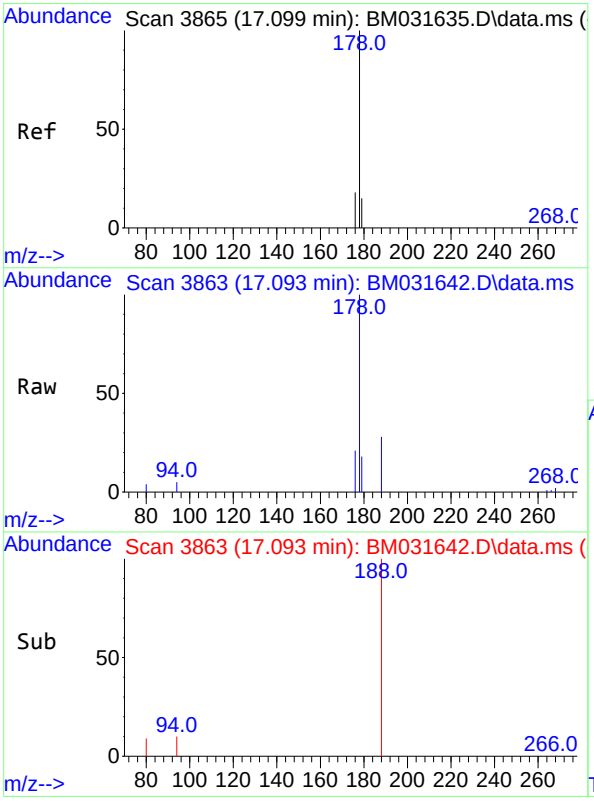



#15
Phenanthrene
Concen: 1.358 ng/ul
RT: 17.002 min Scan# 3837
Delta R.T. -0.007 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:178 Resp: 23629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 13.3 | 19.9 |
| 176 | 19.1 | 16.2 | 24.4 |

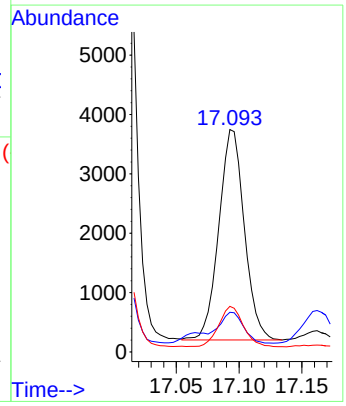



#16
Anthracene
Concen: 0.307 ng/ul
RT: 17.093 min Scan# 3863
Delta R.T. -0.007 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:178 Resp: 5005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.9 | 13.0 | 19.6 |
| 176 | 20.5 | 15.6 | 23.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00A6DL

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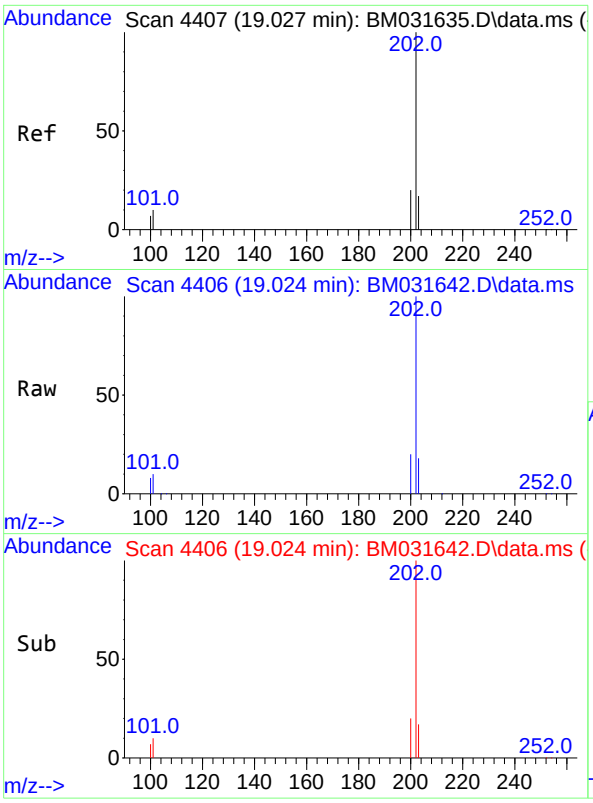
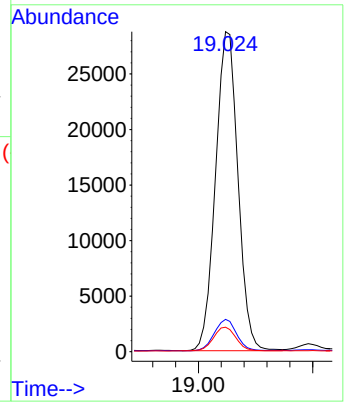
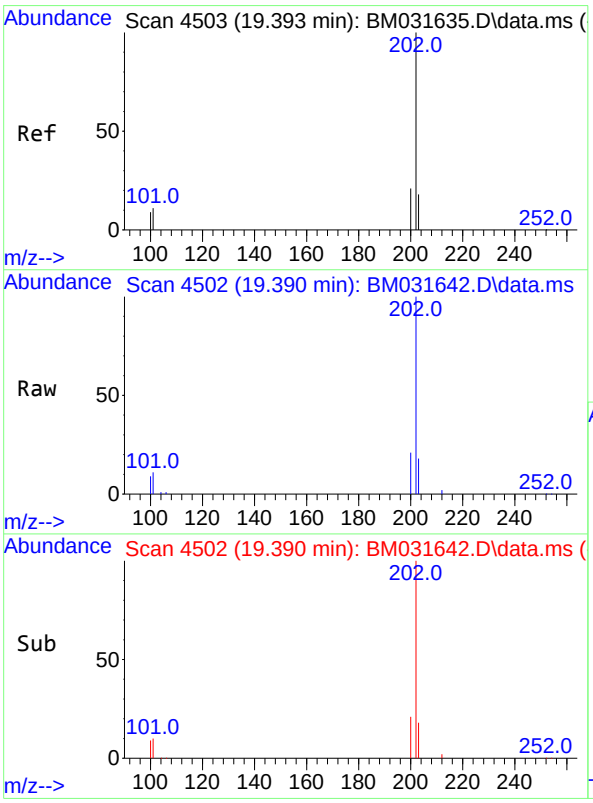



#19
Fluoranthene
Concen: 2.017 ng/ul
RT: 19.024 min Scan# 4406
Delta R.T. -0.004 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:202 Resp: 39080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 6.6 | 10.0# |
| 100 | 7.7 | 5.4 | 8.0 |

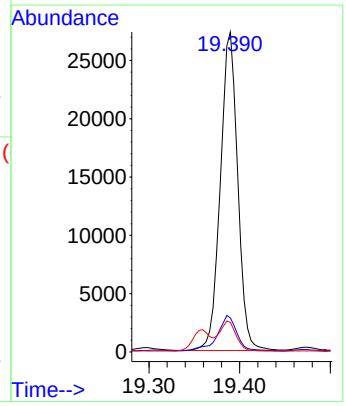


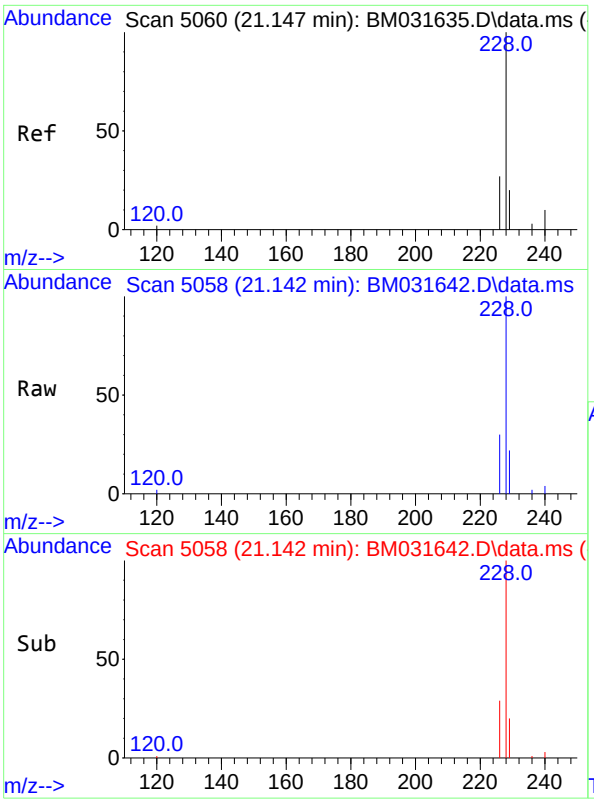




#20
Pyrene
Concen: 1.852 ng/ul
RT: 19.390 min Scan# 4502
Delta R.T. -0.004 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:202 Resp: 36396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 7.8 | 11.6 |
| 100 | 9.3 | 6.6 | 10.0 |

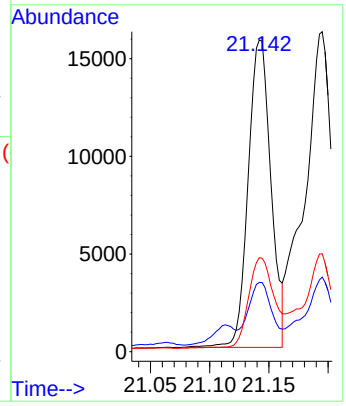





#21
Benzo(a)anthracene
Concen: 1.149 ng/ul
RT: 21.142 min Scan# 5058
Delta R.T. -0.005 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:228 Resp: 21063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.2 | 15.6 | 23.4 |
| 226 | 30.2 | 21.7 | 32.5 |

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**ClientSampleId :**
C00A6DL

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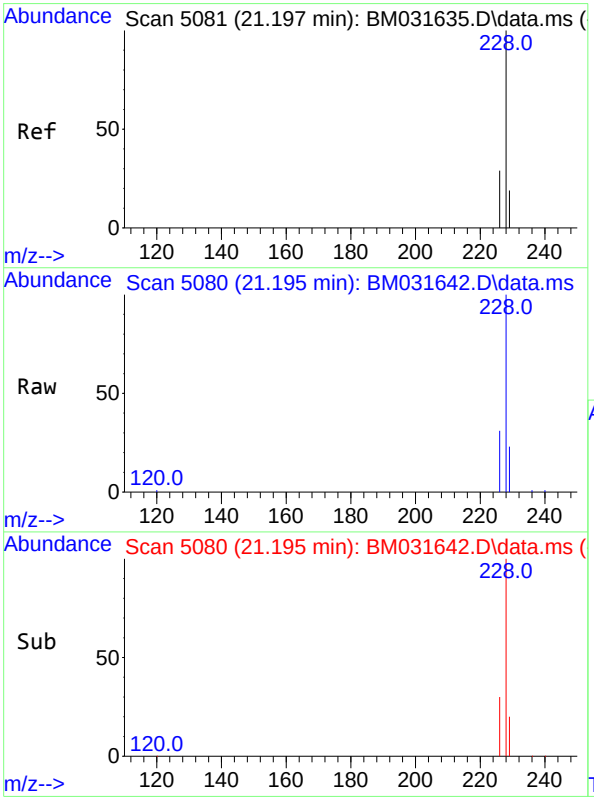
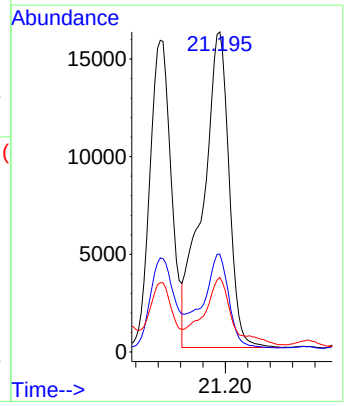
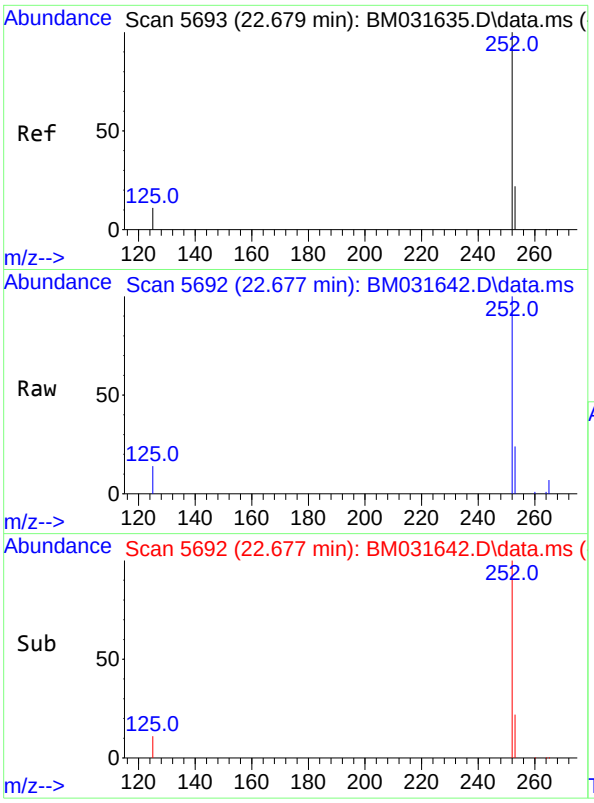



#22
Chrysene
Concen: 1.389 ng/ul
RT: 21.195 min Scan# 5080
Delta R.T. -0.002 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:228 Resp: 26326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 24.7 | 37.1 |
| 229 | 23.3 | 16.2 | 24.2 |

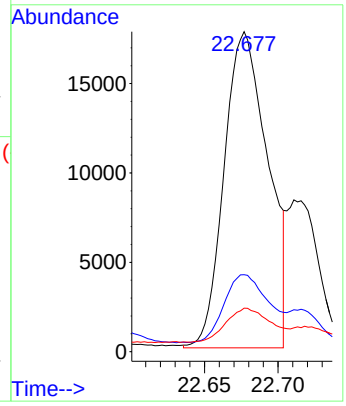





#24
Benzo(b)fluoranthene
Concen: 1.814 ng/ul m
RT: 22.677 min Scan# 5692
Delta R.T. -0.002 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:252 Resp: 36591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 0.0 | 53.0 |
| 125 | 13.6 | 0.0 | 22.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00A6DL

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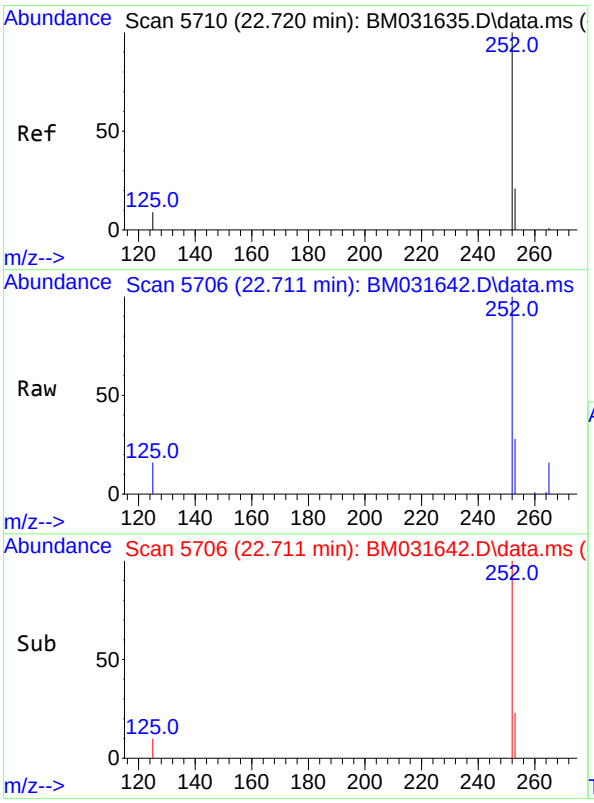
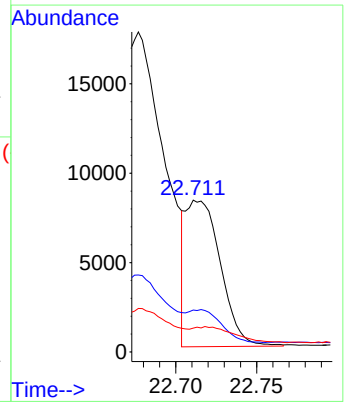
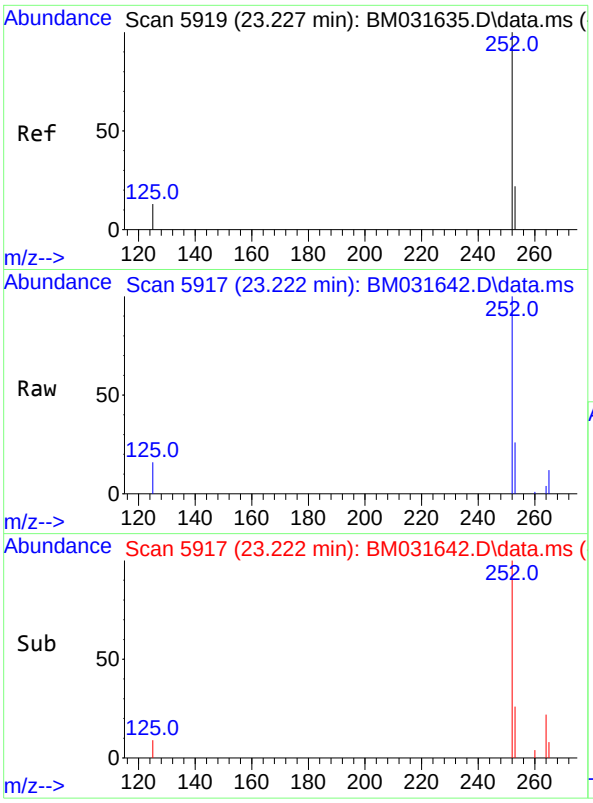



#25
Benzo(k)fluoranthene
Concen: 0.589 ng/ul m
RT: 22.711 min Scan# 5706
Delta R.T. -0.010 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:252 Resp: 12276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.6 | 21.3 | 31.9 |
| 125 | 15.7 | 8.8 | 13.2# |

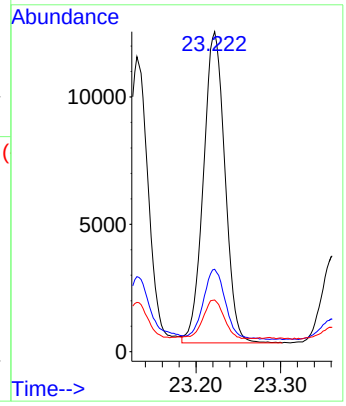


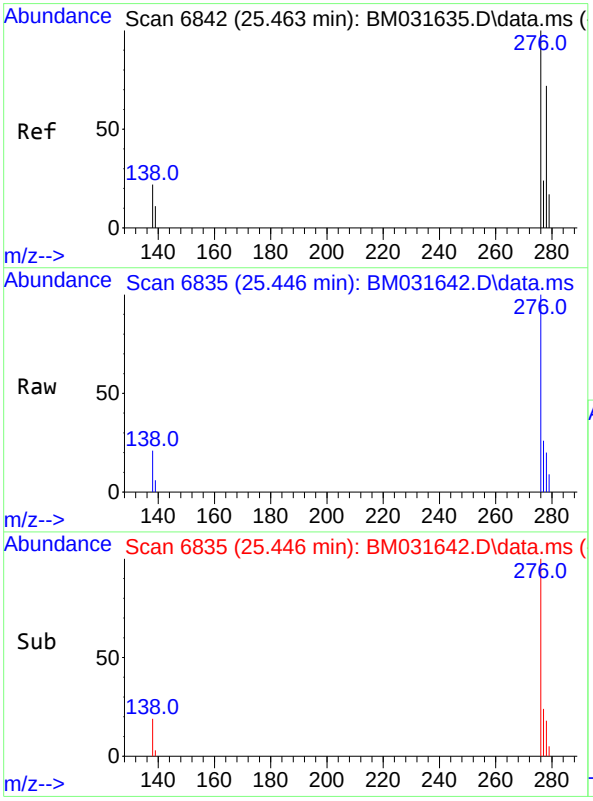



#26
Benzo(a)pyrene
Concen: 1.222 ng/ul
RT: 23.222 min Scan# 5917
Delta R.T. -0.005 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:252 Resp: 21599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 22.4 | 33.6 |
| 125 | 16.2 | 13.0 | 19.4 |

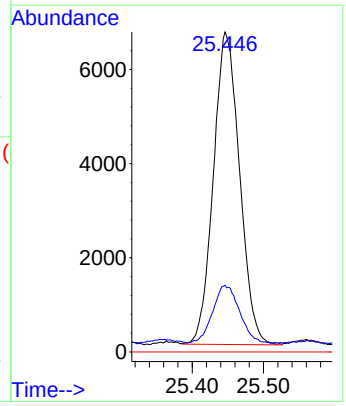



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.740 ng/ul
RT: 25.446 min Scan# 6835
Delta R.T. -0.017 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

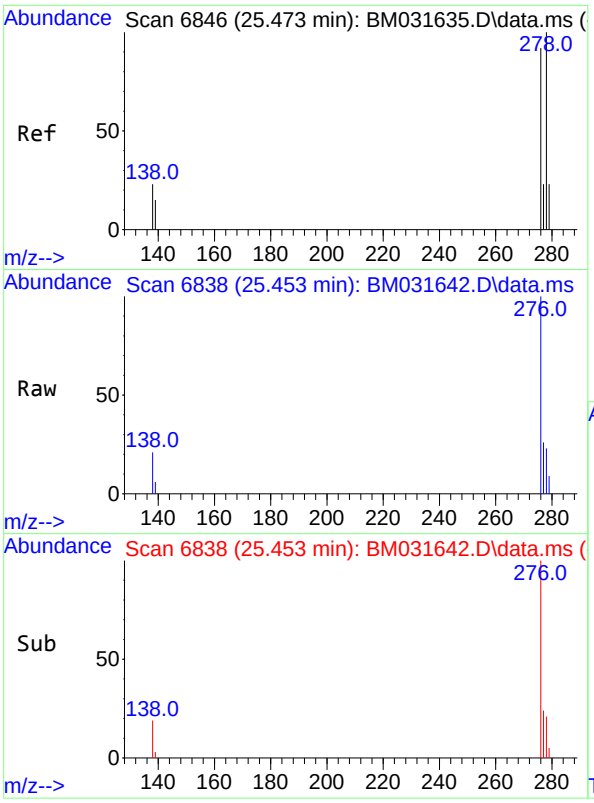
Tgt Ion:276 Resp: 16898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.9 | 15.8 | 23.8 |
| 227 | 0.0 | 0.0 | 0.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00A6DL

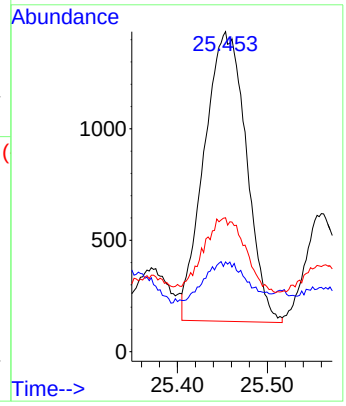
**Manual Integrations APPROVED**
mohammad
8/10/2021 4:37:28 PM




#28
Dibenzo(a,h)anthracene
Concen: 0.229 ng/ul
RT: 25.453 min Scan# 6838
Delta R.T. -0.019 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

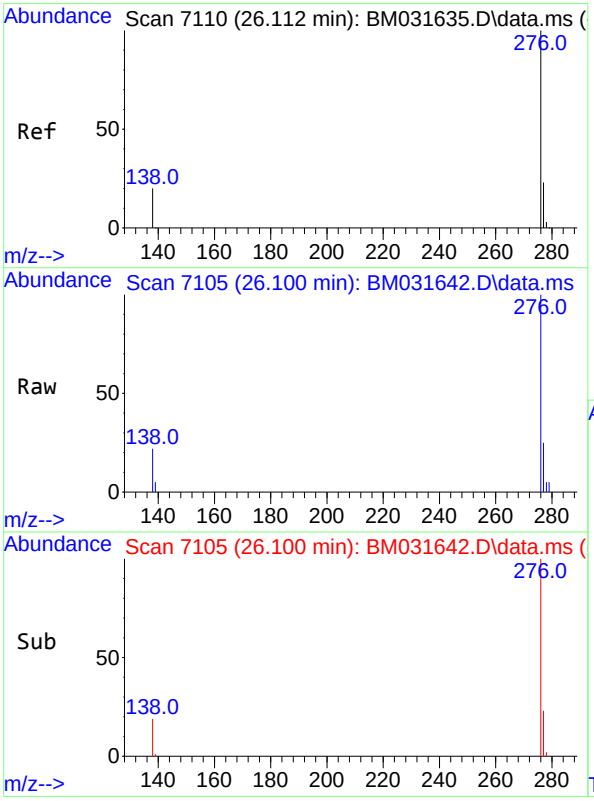
Tgt Ion:278 Resp: 4222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 28.1 | 13.3 | 19.9# |
| 279 | 41.9 | 22.8 | 34.2# |




**Instrument :**
BNA_M
**ClientSampleId :**
C00A6DL

**Manual Integrations APPROVED**
mohammad
8/10/2021 4:37:28 PM




#29
Benzo(g,h,i)perylene
Concen: 0.746 ng/ul
RT: 26.100 min Scan# 7105
Delta R.T. -0.012 min
Lab File: BM031642.D
Acq: 10 Aug 2021 15:32

Tgt Ion:276 Resp: 14545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.3 | 15.4 | 23.2 |
| 277 | 25.1 | 19.9 | 29.9 |