Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081121\
Data File : BM031658.D
Acq On : 11 Aug 2021 13:06
Operator : CG/JU
Sample : M3169-16DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C00B5DL

**Manual Integrations APPROVED**
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Quant Time: Aug 11 13:39:34 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 : Wed Aug 11 11:28:24 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.573 | 152 | 1545 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.338 | 136 | 6022 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.209 | 164 | 3417 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.961 | 188 | 6369 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.159 | 240 | 5022 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.314 | 264 | 4852 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.186 | 96 | 583 | 0.340 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.935 | 152 | 270 | 0.027 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.993 | 212 | 563 | 0.034 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.383 | 128 | 2531 | 0.141 | ng/ul | 96 |
| 7) 2-Methylnaphthalene | 12.007 | 142 | 1970 | 0.161 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.227 | 142 | 1043 | 0.086 | ng/ul | 97 |
| 10) Acenaphthylene | 13.927 | 152 | 2127 | 0.146 | ng/ul | 95 |
| 11) Acenaphthene | 14.273 | 153 | 336 | 0.027 | ng/ul# | 91 |
| 12) Fluorene | 15.266 | 166 | 779 | 0.055 | ng/ul# | 93 |
| 15) Phenanthrene | 16.999 | 178 | 16588 | 0.820 | ng/ul | 99 |
| 16) Anthracene | 17.093 | 178 | 3222 | 0.170 | ng/ul | 97 |
| 19) Fluoranthene | 19.024 | 202 | 37683 | 1.757 | ng/ul | 97 |
| 20) Pyrene | 19.386 | 202 | 30674 | 1.410 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.142 | 228 | 14849 | 0.732 | ng/ul | 96 |
| 22) Chrysene | 21.193 | 228 | 16464 | 0.785 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.677 | 252 | 23218m | 1.062 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.713 | 252 | 8117m | 0.359 | ng/ul | |
| 26) Benzo(a)pyrene | 23.222 | 252 | 13465 | 0.703 | ng/ul# | 94 |
| 27) Indeno(1,2,3-cd)pyrene | 25.449 | 276 | 10128 | 0.409 | ng/ul# | 98 |
| 28) Dibenzo(a,h)anthracene | 25.461 | 278 | 2557 | 0.128 | ng/ul# | 71 |
| 29) Benzo(g,h,i)perylene | 26.105 | 276 | 2112 | 0.100 | ng/ul# | 75 |

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

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Misc :
ALS Vial : 6 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
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**Instrument :**
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**ClientSampleId :**
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**Manual Integrations APPROVED**
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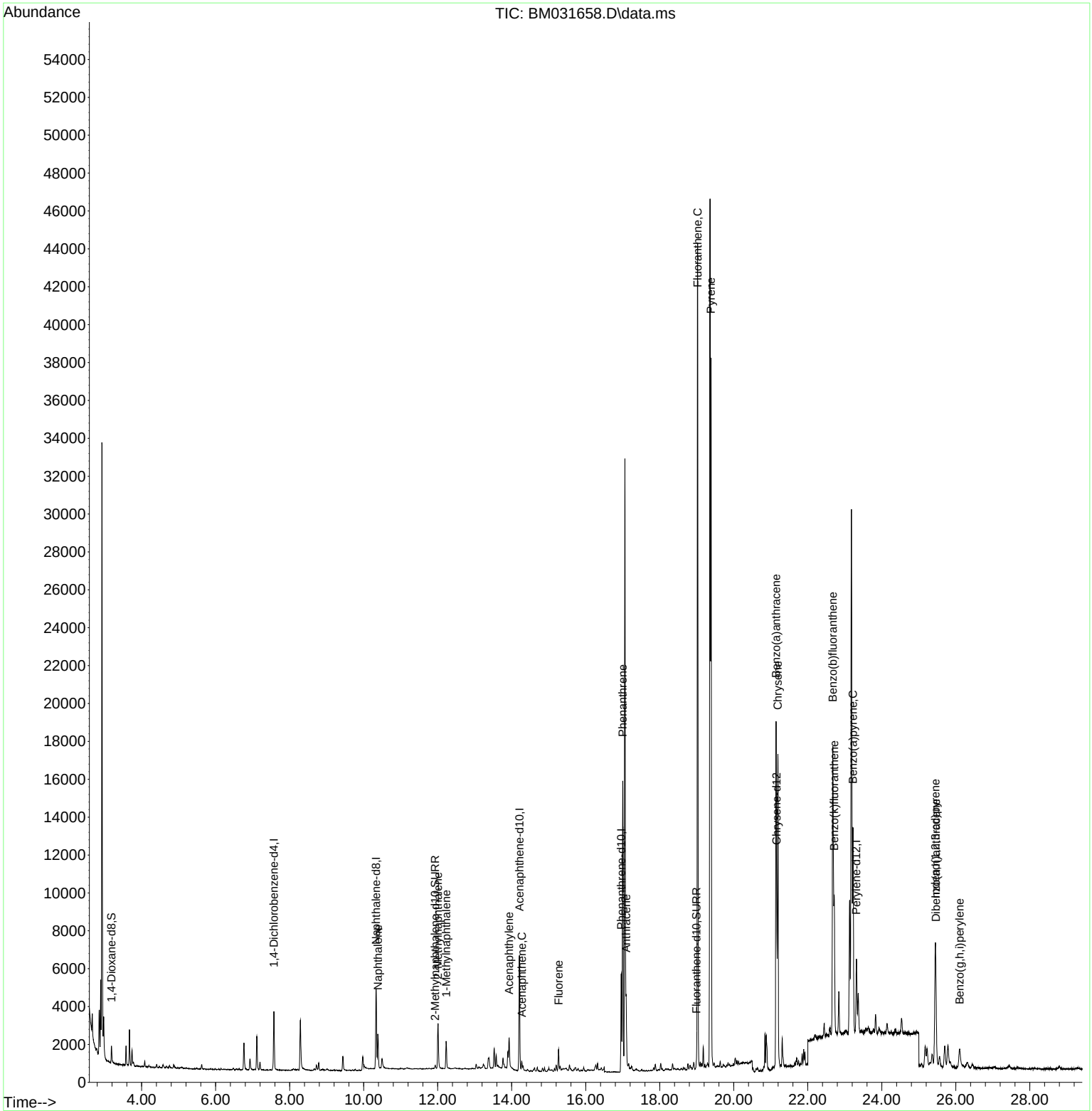
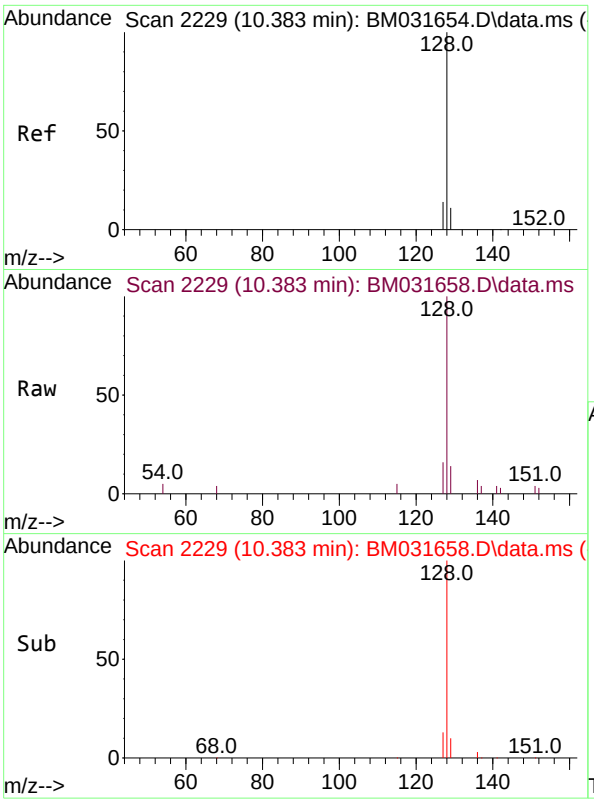
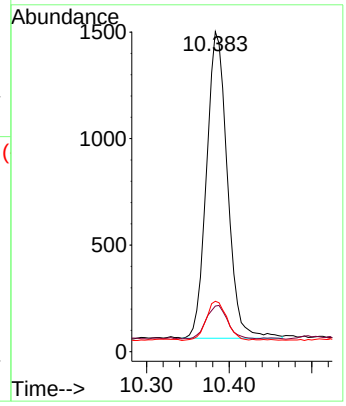


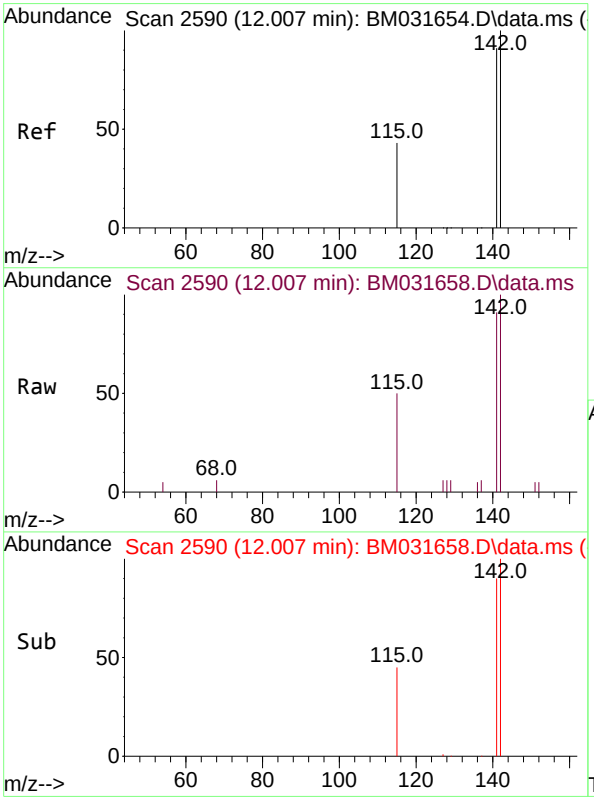



#5
Naphthalene
Concen: 0.141 ng/ul
RT: 10.383 min Scan# 2229
Delta R.T. 0.000 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:128 Resp: 2531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.2 | 10.0 | 15.0 |
| 127 | 15.8 | 11.6 | 17.4 |

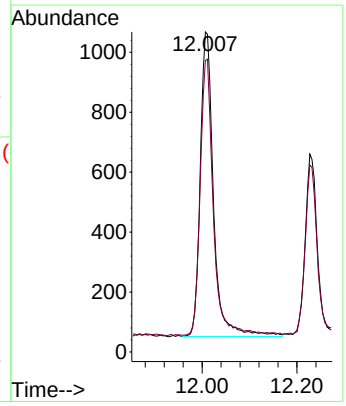



#7
2-Methylnaphthalene
Concen: 0.161 ng/ul
RT: 12.007 min Scan# 2590
Delta R.T. 0.000 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:142 Resp: 1970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.9 | 71.4 | 107.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00B5DL

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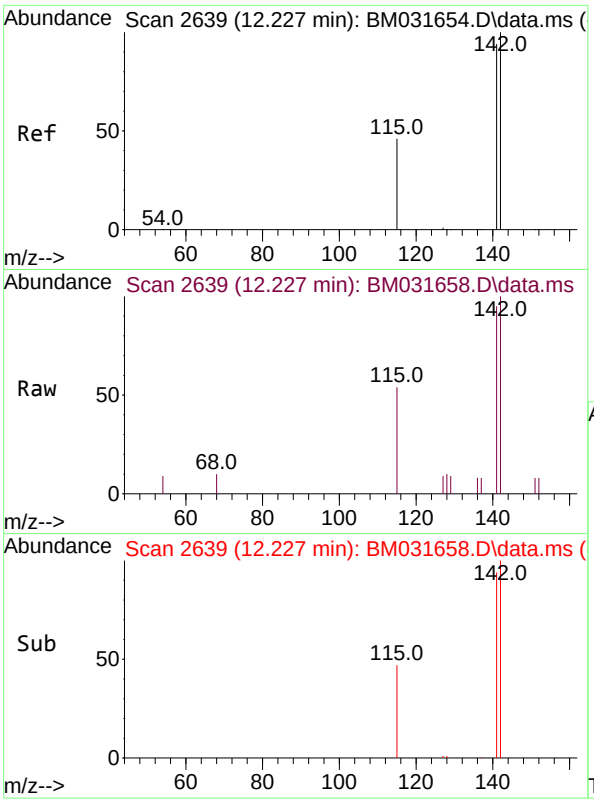
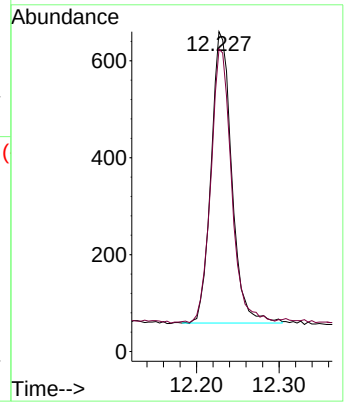



#8
1-Methylnaphthalene
Concen: 0.086 ng/ul
RT: 12.227 min Scan# 2639
Delta R.T. 0.000 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:142 Resp: 1043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 95.0 | 74.1 | 111.1 |

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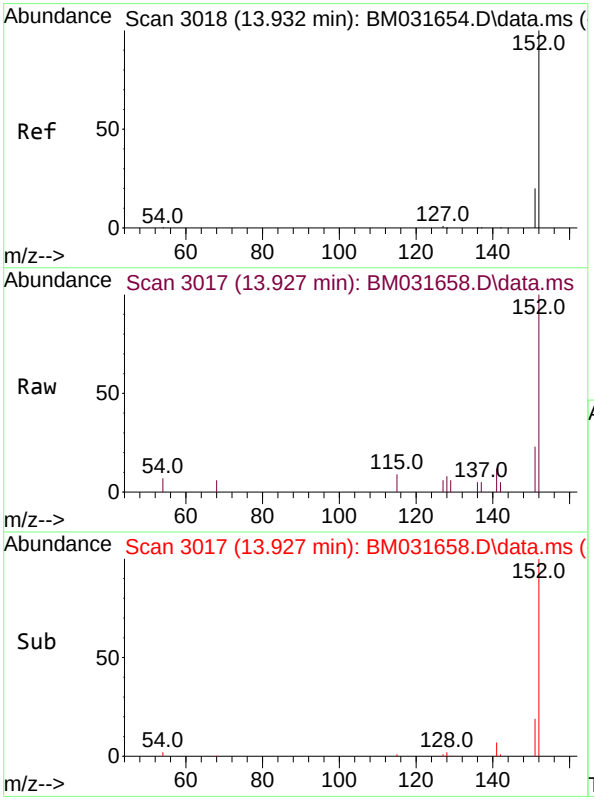
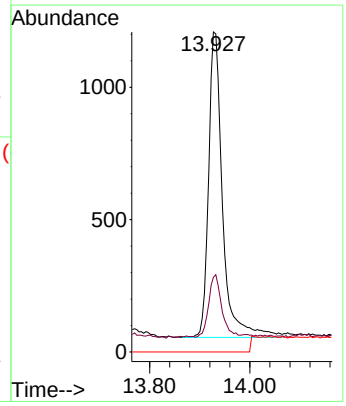
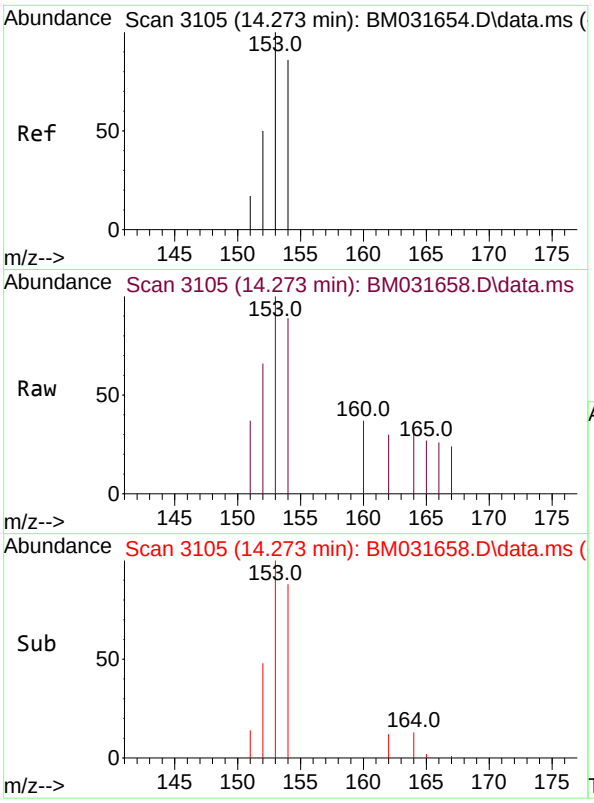



#10
Acenaphthylene
Concen: 0.146 ng/ul
RT: 13.927 min Scan# 3017
Delta R.T. -0.004 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:152 Resp: 2127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.3 | 16.9 | 25.3 |
| 153 | 0.0 | 0.0 | 0.0 |

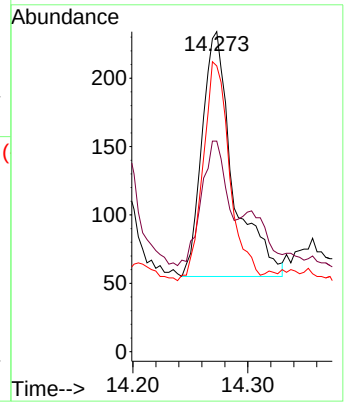





#11
Acenaphthene
Concen: 0.027 ng/ul
RT: 14.273 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:153 Resp: 336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 65.8 | 40.7 | 61.1# |
| 154 | 89.3 | 70.2 | 105.2 |




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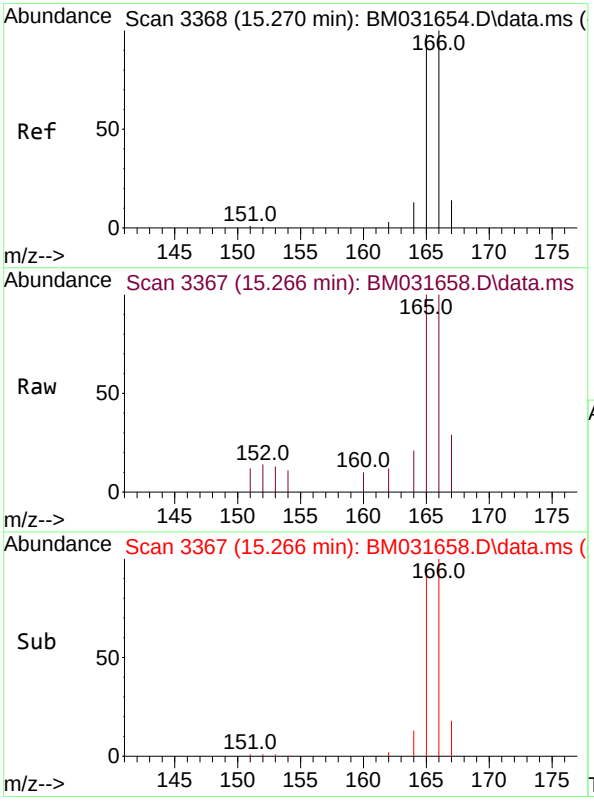
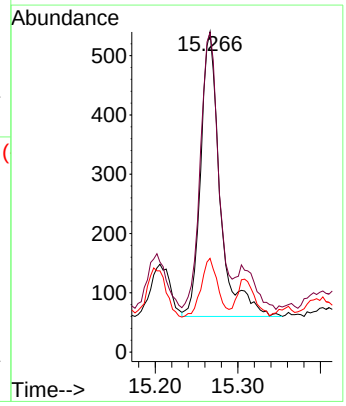
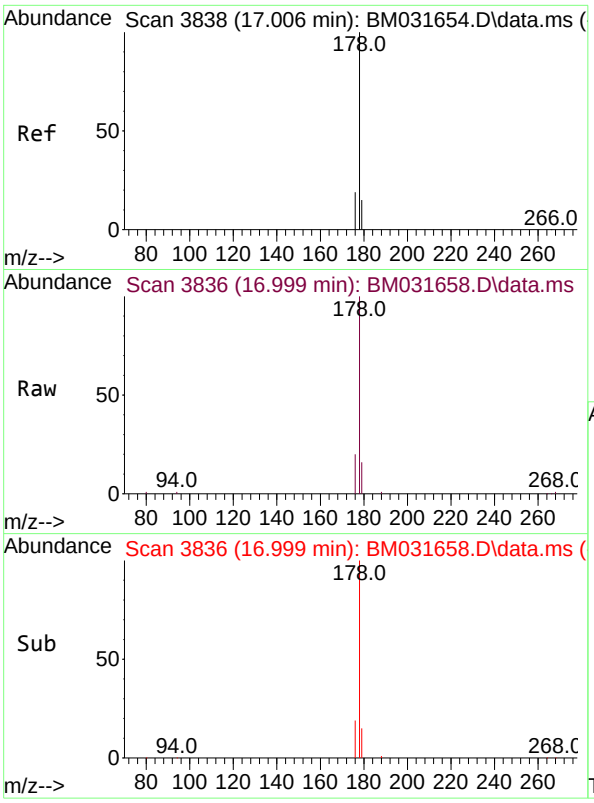



#12
Fluorene
Concen: 0.055 ng/ul
RT: 15.266 min Scan# 3367
Delta R.T. -0.004 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:166 Resp: 779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.8 | 78.0 | 117.0 |
| 167 | 29.3 | 12.0 | 18.0# |

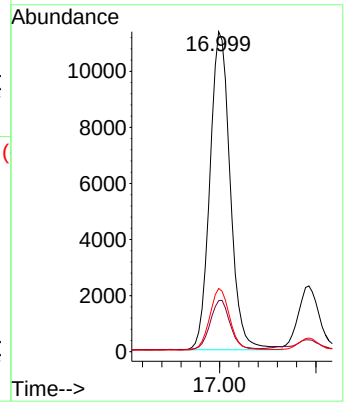





#15
Phenanthrene
Concen: 0.820 ng/ul
RT: 16.999 min Scan# 3836
Delta R.T. -0.007 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:178 Resp: 16588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.0 | 13.3 | 19.9 |
| 176 | 19.8 | 16.2 | 24.4 |




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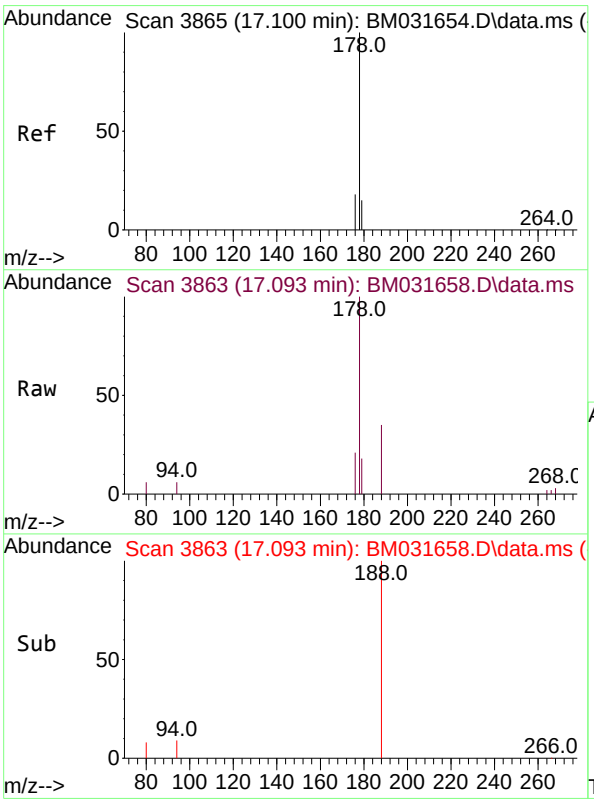
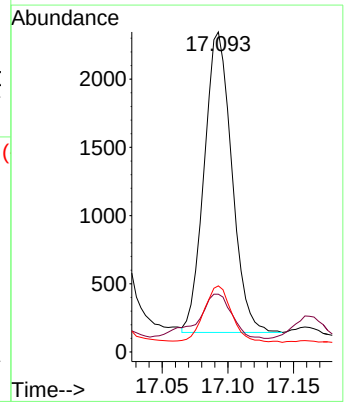
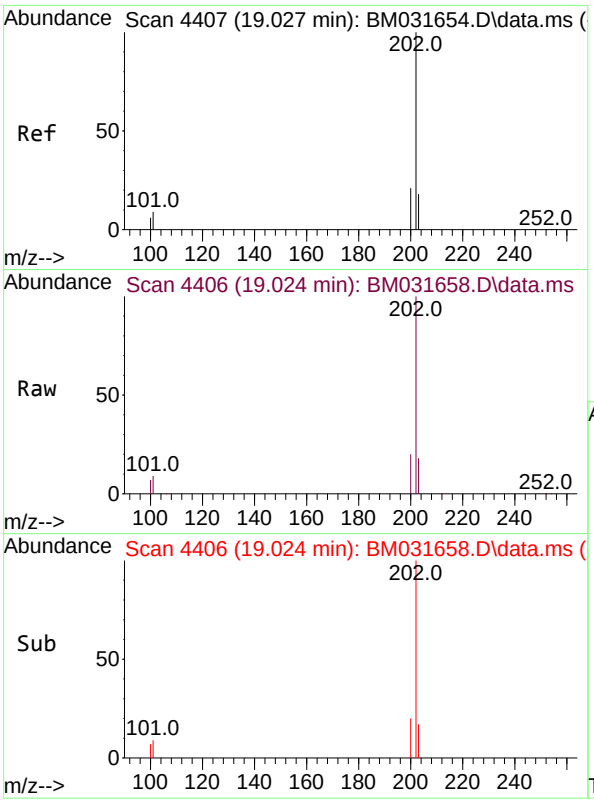



#16
Anthracene
Concen: 0.170 ng/ul
RT: 17.093 min Scan# 3863
Delta R.T. -0.007 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:178 Resp: 3222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.1 | 13.0 | 19.6 |
| 176 | 20.7 | 15.6 | 23.4 |

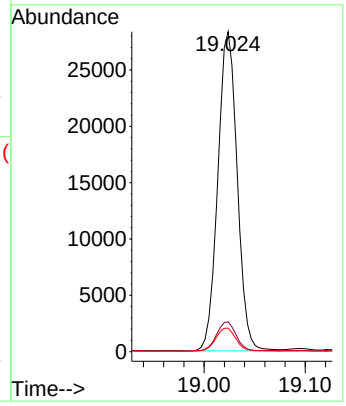





#19
Fluoranthene
Concen: 1.757 ng/ul
RT: 19.024 min Scan# 4406
Delta R.T. -0.004 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:202 Resp: 37683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 6.6 | 10.0 |
| 100 | 7.4 | 5.4 | 8.0 |

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**ClientSampleId :**
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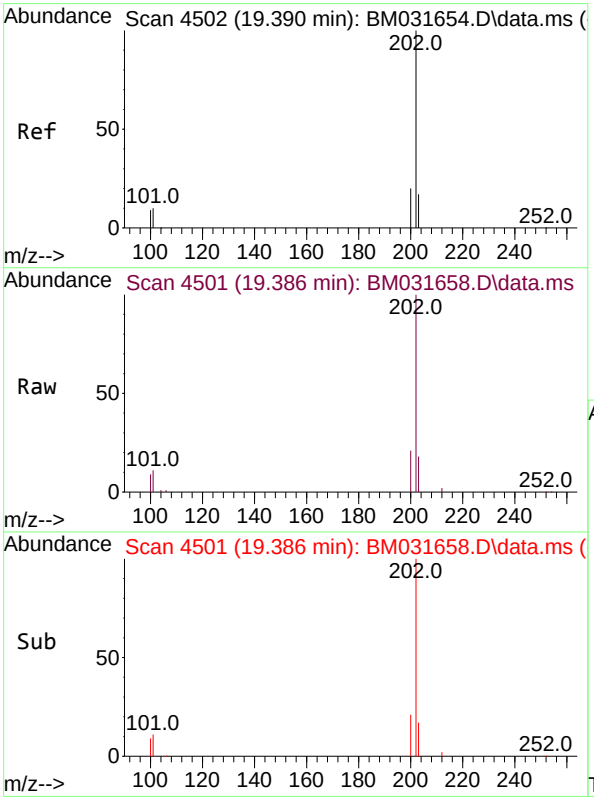
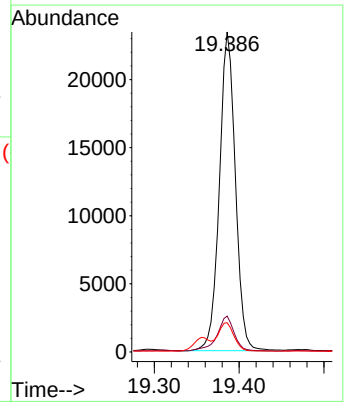
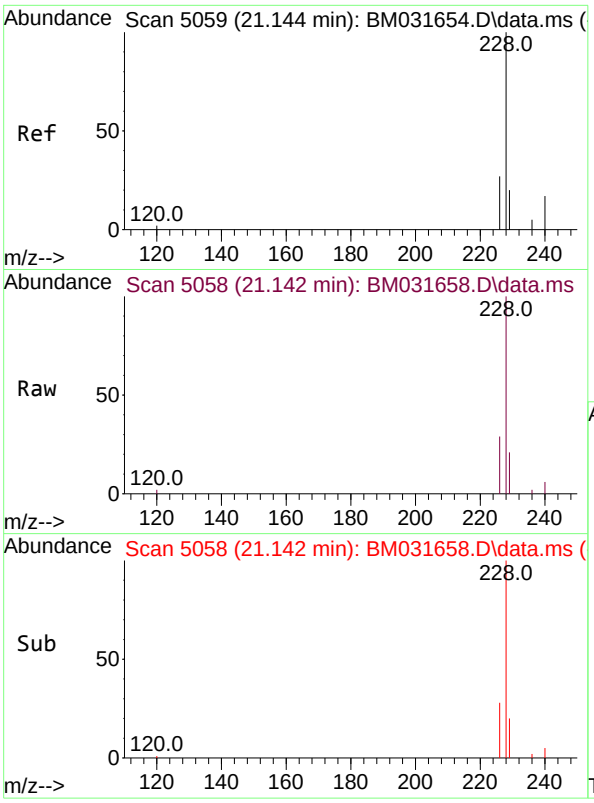



#20
Pyrene
Concen: 1.410 ng/ul
RT: 19.386 min Scan# 4501
Delta R.T. -0.004 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:202 Resp: 30674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 7.8 | 11.6 |
| 100 | 9.2 | 6.6 | 10.0 |

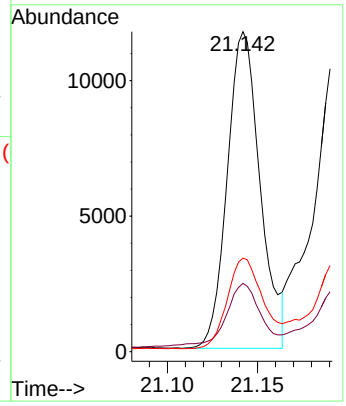





#21
Benzo(a)anthracene
Concen: 0.732 ng/ul
RT: 21.142 min Scan# 5058
Delta R.T. -0.002 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:228 Resp: 14849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.4 | 15.6 | 23.4 |
| 226 | 29.3 | 21.7 | 32.5 |

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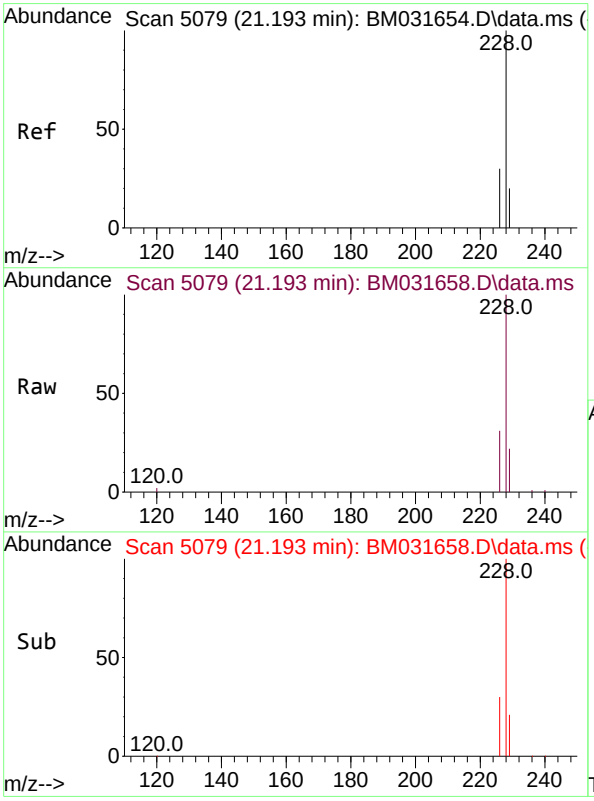
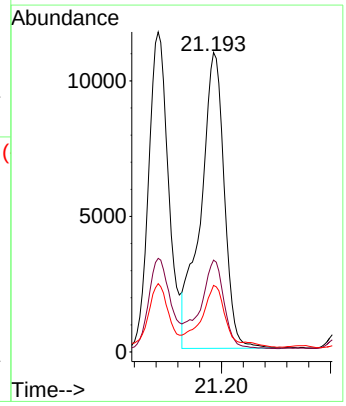
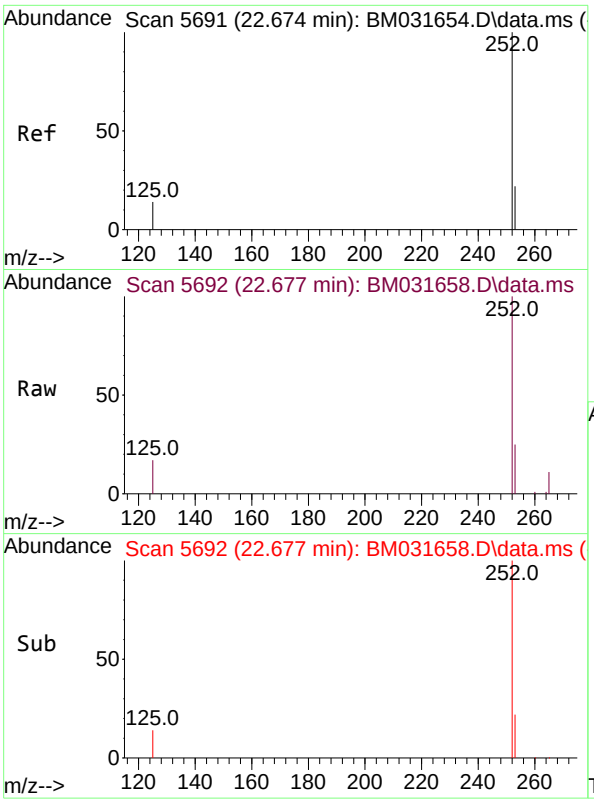



#22
Chrysene
Concen: 0.785 ng/ul
RT: 21.193 min Scan# 5079
Delta R.T. 0.000 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:228 Resp: 16464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 24.7 | 37.1 |
| 229 | 22.2 | 16.2 | 24.2 |

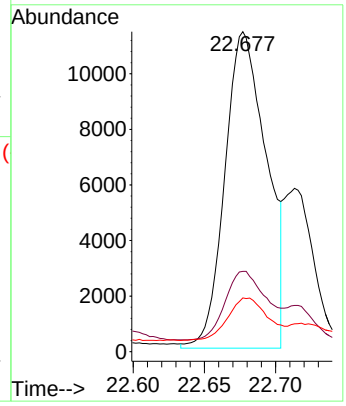


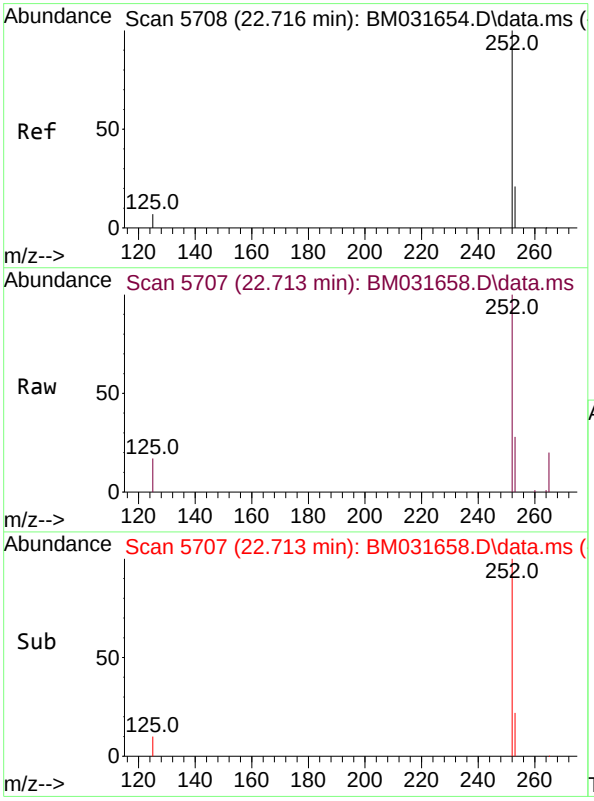



#24
Benzo(b)fluoranthene
Concen: 1.062 ng/ul m
RT: 22.677 min Scan# 5692
Delta R.T. 0.003 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:252 Resp: 23218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 0.0 | 53.0 |
| 125 | 16.8 | 0.0 | 22.8 |

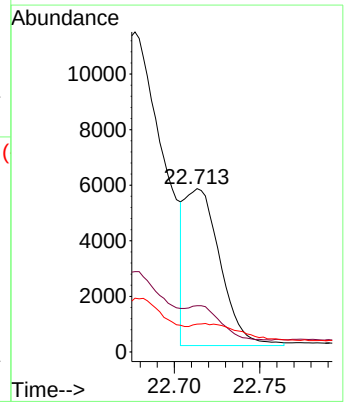



#25
Benzo(k)fluoranthene
Concen: 0.359 ng/ul m
RT: 22.713 min Scan# 5707
Delta R.T. -0.002 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:252 Resp: 8117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.3 | 21.3 | 31.9 |
| 125 | 17.0 | 8.8 | 13.2# |

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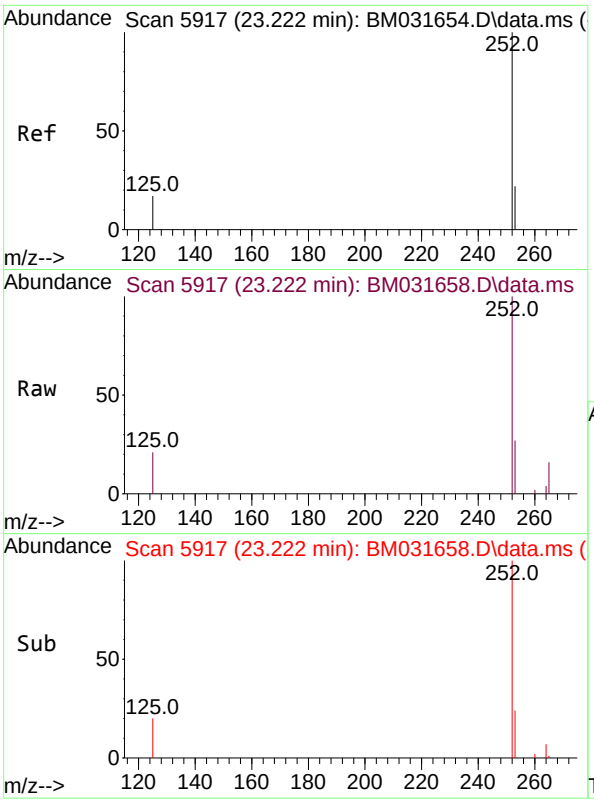
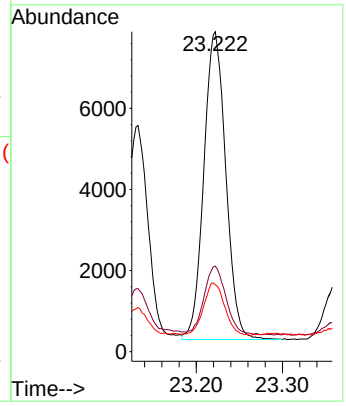



#26
Benzo(a)pyrene
Concen: 0.703 ng/ul
RT: 23.222 min Scan# 5917
Delta R.T. 0.000 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:252 Resp: 13465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.7 | 22.4 | 33.6 |
| 125 | 20.8 | 13.0 | 19.4# |

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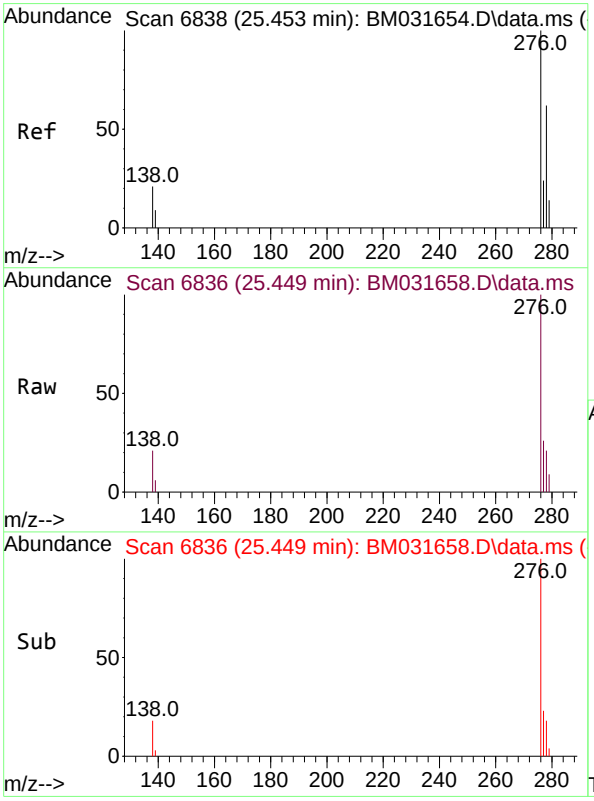
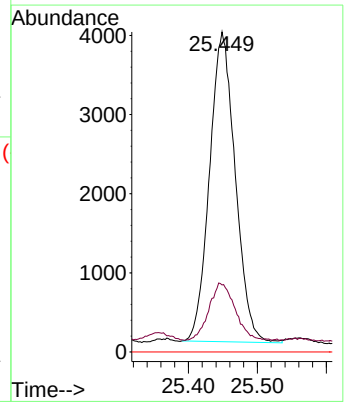
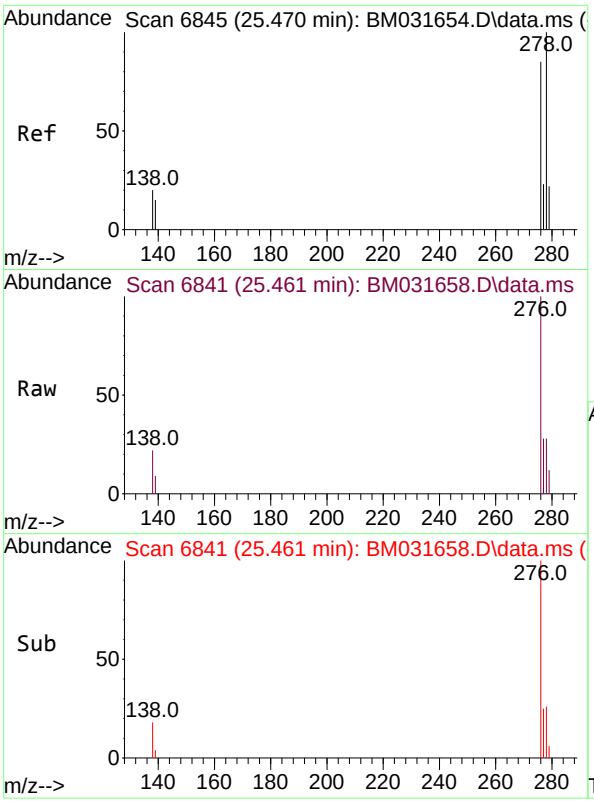



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.409 ng/ul
RT: 25.449 min Scan# 6836
Delta R.T. -0.005 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:276 Resp: 10128

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

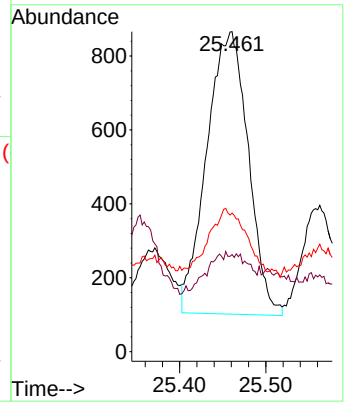


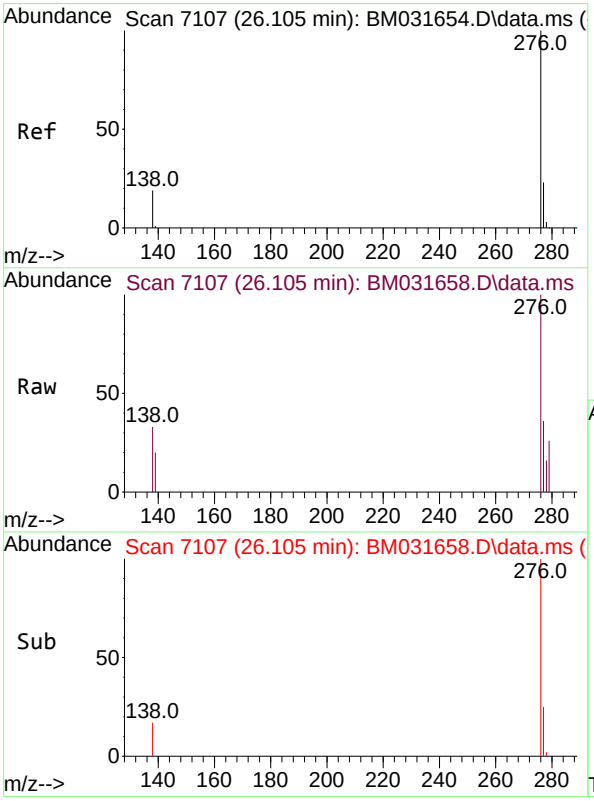



#28
Dibenzo(a,h)anthracene
Concen: 0.128 ng/ul
RT: 25.461 min Scan# 6841
Delta R.T. -0.010 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:278 Resp: 2557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 30.4 | 13.3 | 19.9# |
| 279 | 43.3 | 22.8 | 34.2# |

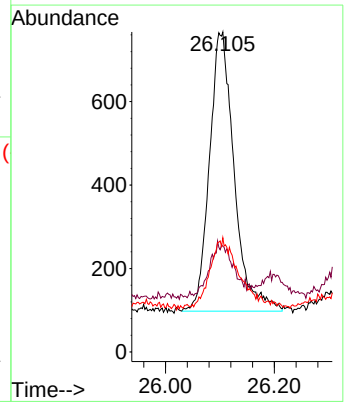



#29
Benzo(g,h,i)perylene
Concen: 0.100 ng/ul
RT: 26.105 min Scan# 7107
Delta R.T. 0.000 min
Lab File: BM031658.D
Acq: 11 Aug 2021 13:06

Tgt Ion:276 Resp: 2112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 33.0 | 15.4 | 23.2# |
| 277 | 35.7 | 19.9 | 29.9# |




**Instrument :**
BNA_M
**ClientSampleId :**
C00B5DL

**Manual Integrations APPROVED**
mohammad
8/12/2021 1:35:51 PM