Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081221\
Data File : BM031688.D
Acq On : 12 Aug 2021 21:54
Operator : CG/JU
Sample : M3182-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C00C9

**Manual Integrations APPROVED**
mohammad
8/13/2021 5:14:32 PM

Quant Time: Aug 13 01:02:34 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.569 | 152 | 1158 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.329 | 136 | 4322 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.201 | 164 | 3217 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.954 | 188 | 4905 | 0.400 | ng/ul | #-0.01 |
| 17) Chrysene-d12 | 21.151 | 240 | 4072 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.307 | 264 | 4438 | 0.400 | ng/ul | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.182 | 96 | 4112 | 3.197 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.921 | 152 | 1644 | 0.226 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 18.989 | 212 | 3321 | 0.244 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.379 | 128 | 110593 | 8.590 | ng/ul | 97 |
| 7) 2-Methylnaphthalene | 11.998 | 142 | 65951 | 7.498 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.223 | 142 | 29416 | 3.385 | ng/ul | 100 |
| 10) Acenaphthylene | 13.923 | 152 | 44037 | 3.214 | ng/ul | 98 |
| 11) Acenaphthene | 14.296 | 153 | 2907m | 0.252 | ng/ul | |
| 12) Fluorene | 15.259 | 166 | 4995 | 0.376 | ng/ul# | 86 |
| 15) Phenanthrene | 16.995 | 178 | 197929 | 12.708 | ng/ul | 97 |
| 16) Anthracene | 17.089 | 178 | 49936 | 3.424 | ng/ul | 98 |
| 19) Fluoranthene | 19.020 | 202 | 342196 | 19.680 | ng/ul | 97 |
| 20) Pyrene | 19.386 | 202 | 286010 | 16.217 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.137 | 228 | 193108 | 11.744 | ng/ul | 96 |
| 22) Chrysene | 21.188 | 228 | 218599 | 12.850 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.670 | 252 | 246536m | 12.329 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.708 | 252 | 79725m | 3.859 | ng/ul | |
| 26) Benzo(a)pyrene | 23.217 | 252 | 135558m | 7.741 | ng/ul | |
| 27) Indeno(1,2,3-cd)pyrene | 25.439 | 276 | 91841 | 4.057 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 25.441 | 278 | 26289 | 1.441 | ng/ul | 97 |
| 29) Benzo(g,h,i)perylene | 26.088 | 276 | 16618 | 0.861 | ng/ul | 94 |

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

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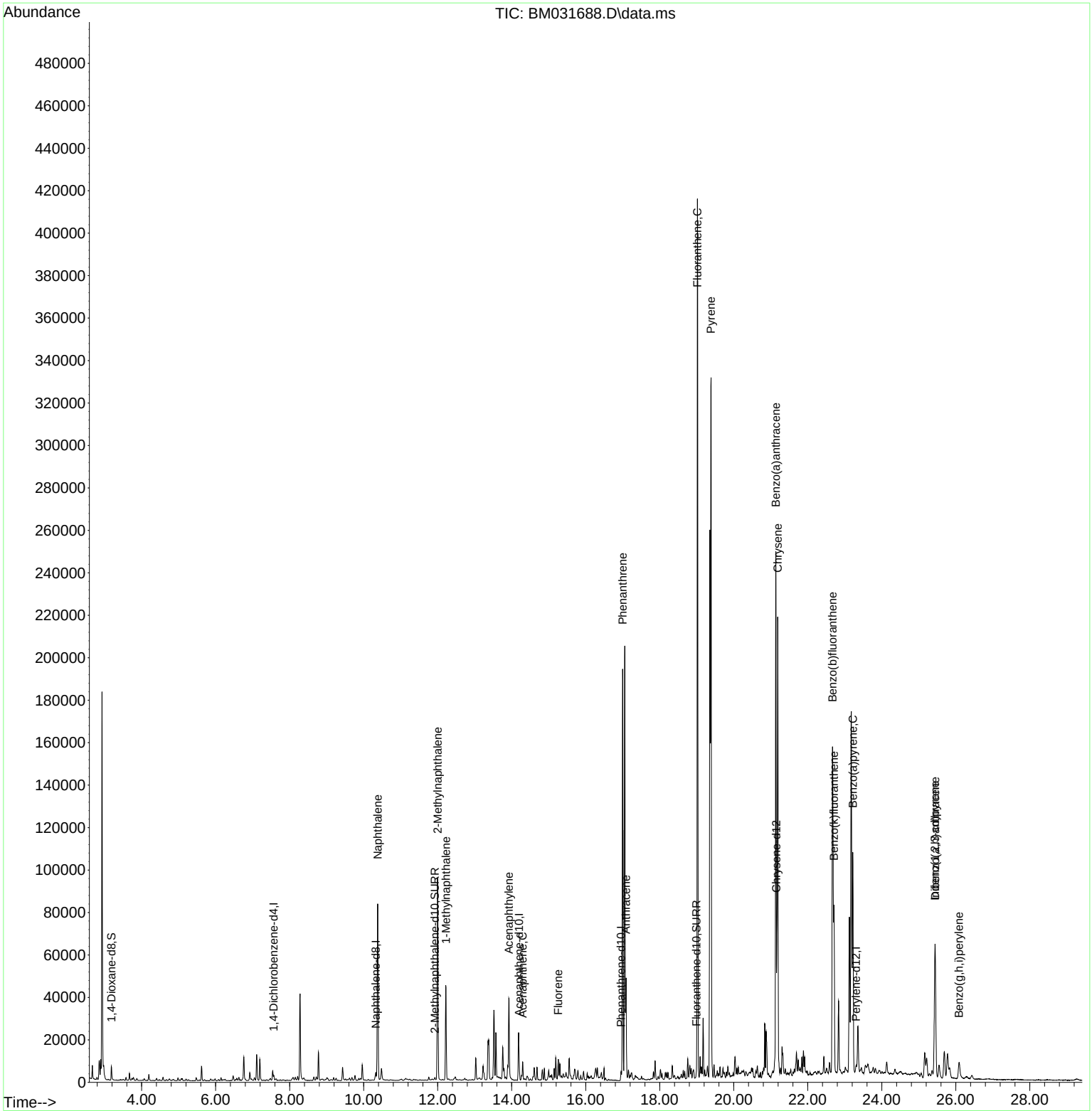
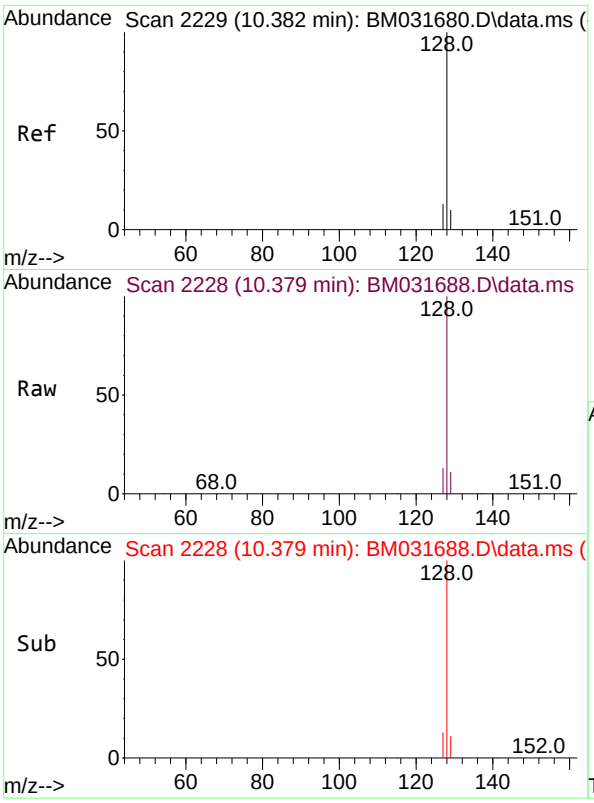
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

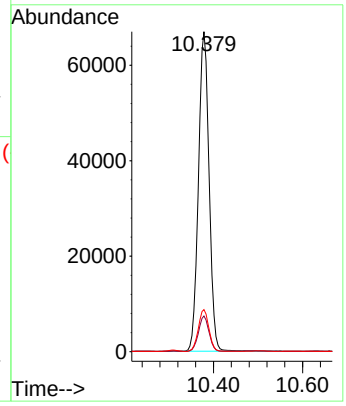


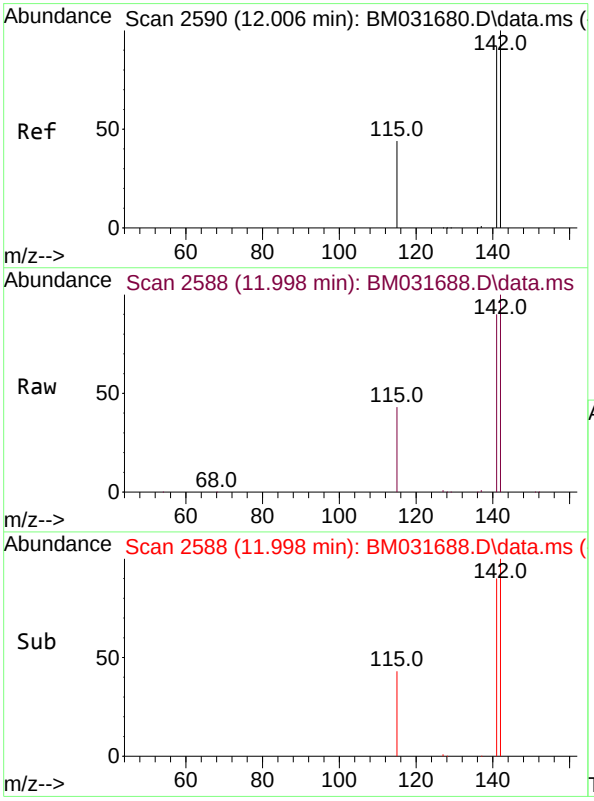



#5
Naphthalene
Concen: 8.590 ng/ul
RT: 10.379 min Scan# 2228
Delta R.T. -0.004 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:128 Resp: 110593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 10.0 | 15.0 |
| 127 | 13.2 | 11.6 | 17.4 |

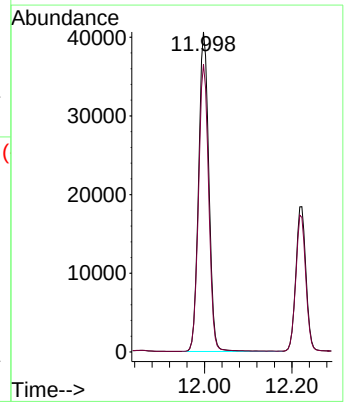



#7
2-Methylnaphthalene
Concen: 7.498 ng/ul
RT: 11.998 min Scan# 2588
Delta R.T. -0.008 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:142 Resp: 65951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.5 | 71.4 | 107.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00C9

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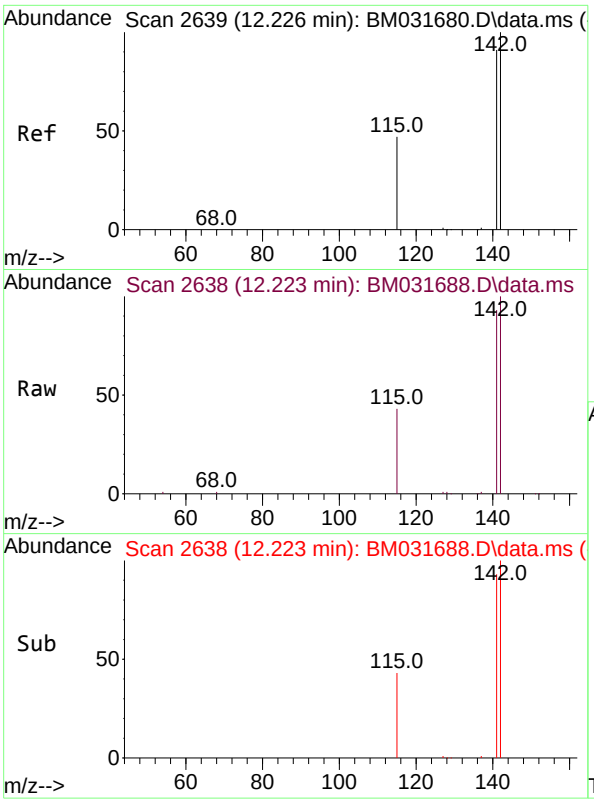
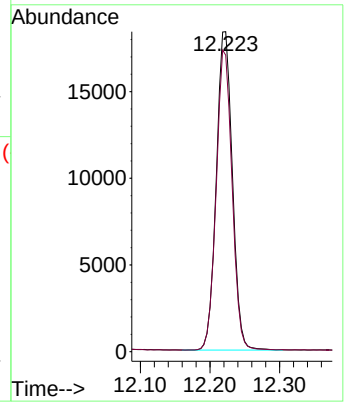



#8
1-Methylnaphthalene
Concen: 3.385 ng/ul
RT: 12.223 min Scan# 2638
Delta R.T. -0.004 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:142 Resp: 29416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.0 | 74.1 | 111.1 |

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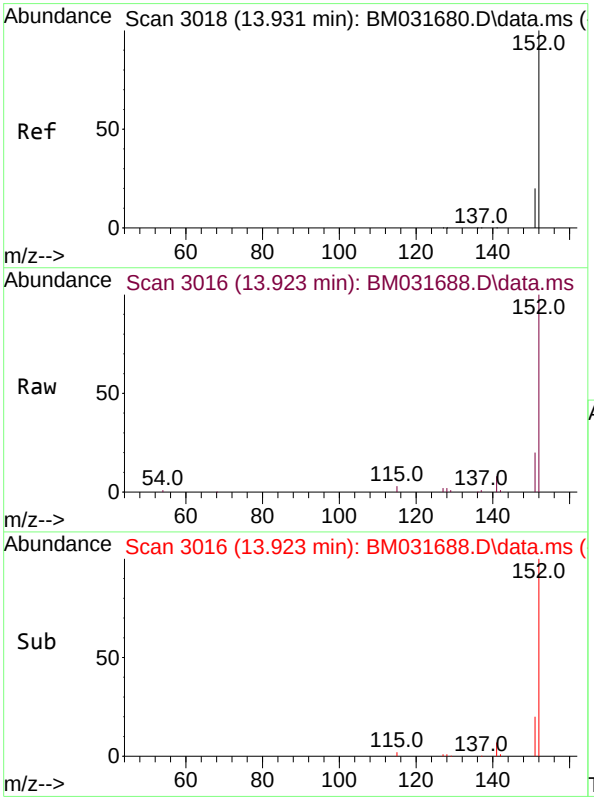
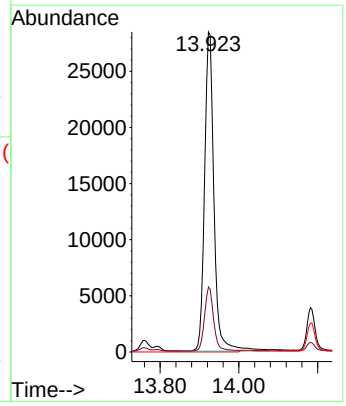
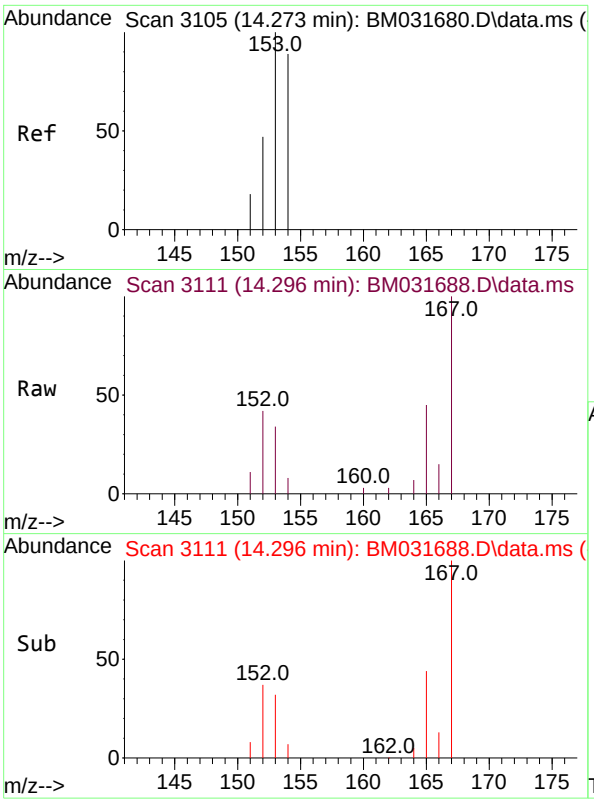



#10
Acenaphthylene
Concen: 3.214 ng/ul
RT: 13.923 min Scan# 3016
Delta R.T. -0.008 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:152 Resp: 44037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.9 | 25.3 |
| 153 | 0.0 | 0.0 | 0.0 |

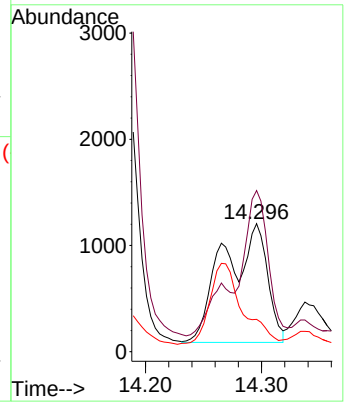





#11
Acenaphthene
Concen: 0.252 ng/ul m
RT: 14.296 min Scan# 3111
Delta R.T. 0.023 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:153 Resp: 2907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 126.0 | 40.7 | 61.1# |
| 154 | 25.2 | 70.2 | 105.2# |

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BNA_M
**ClientSampleId :**
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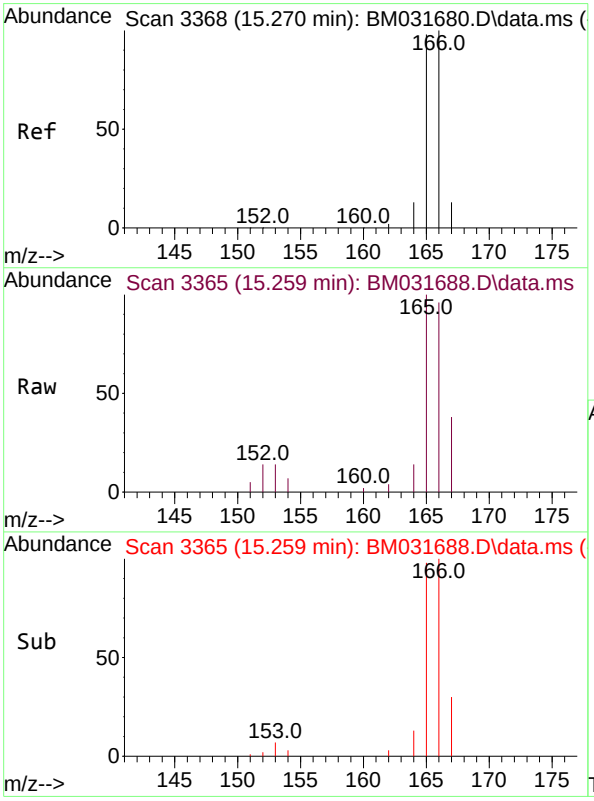
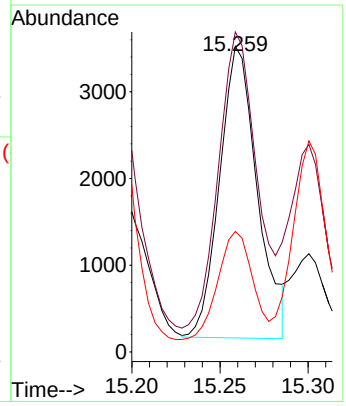
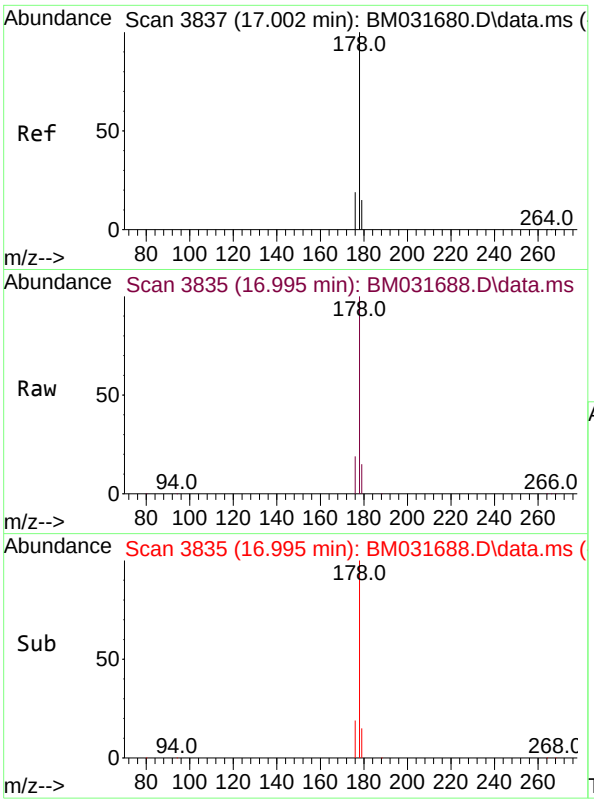



#12
Fluorene
Concen: 0.376 ng/ul
RT: 15.259 min Scan# 3365
Delta R.T. -0.011 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:166 Resp: 4995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 104.7 | 78.0 | 117.0 |
| 167 | 39.4 | 12.0 | 18.0# |

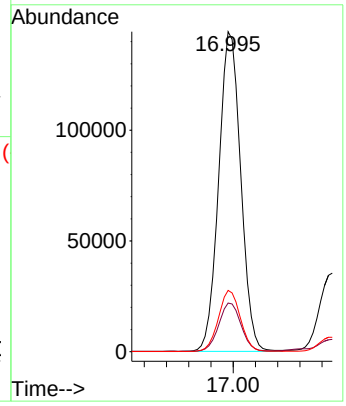


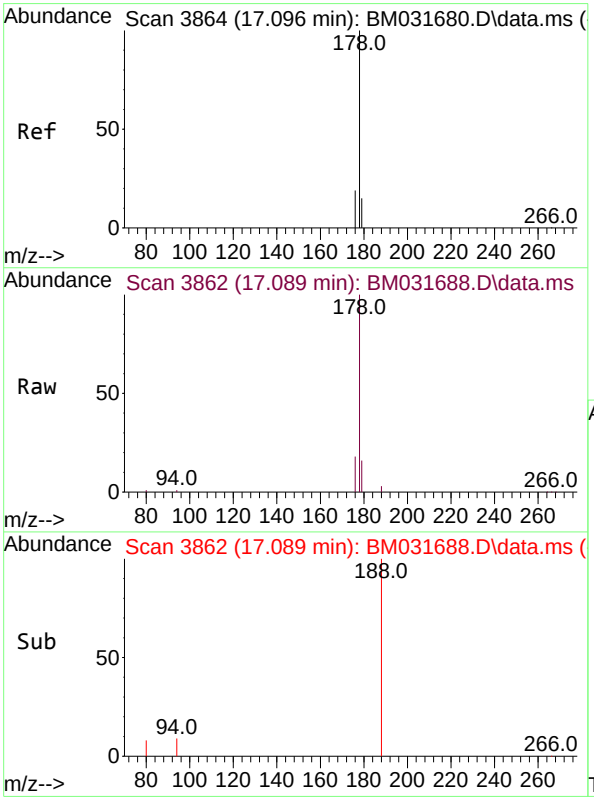



#15
Phenanthrene
Concen: 12.708 ng/ul
RT: 16.995 min Scan# 3835
Delta R.T. -0.007 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:178 Resp: 197929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 13.3 | 19.9 |
| 176 | 19.2 | 16.2 | 24.4 |

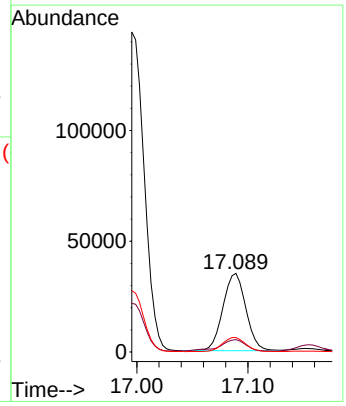



#16
Anthracene
Concen: 3.424 ng/ul
RT: 17.089 min Scan# 3862
Delta R.T. -0.007 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:178 Resp: 49936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 13.0 | 19.6 |
| 176 | 18.4 | 15.6 | 23.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00C9

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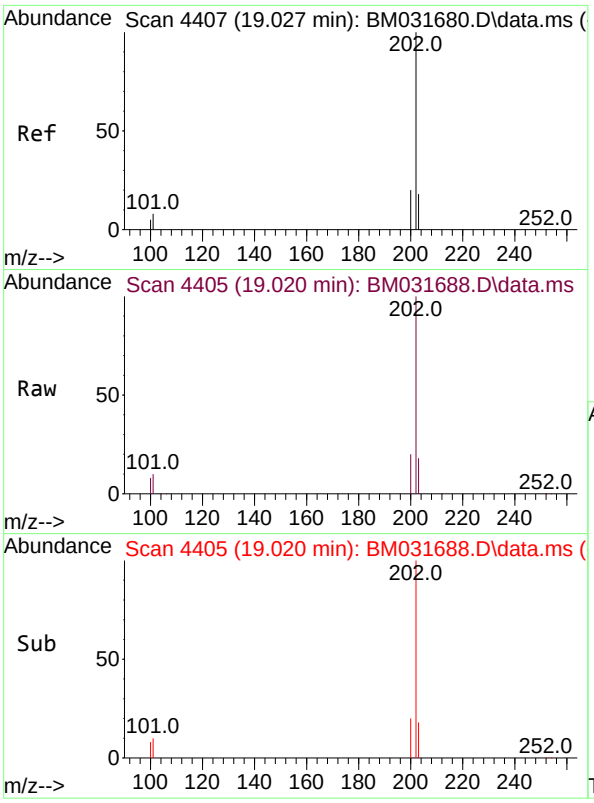
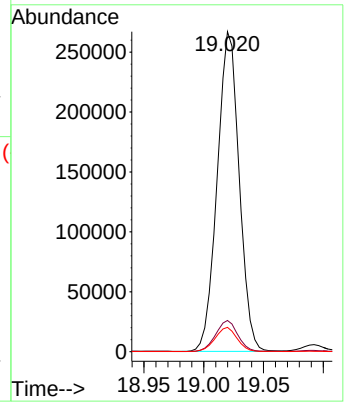
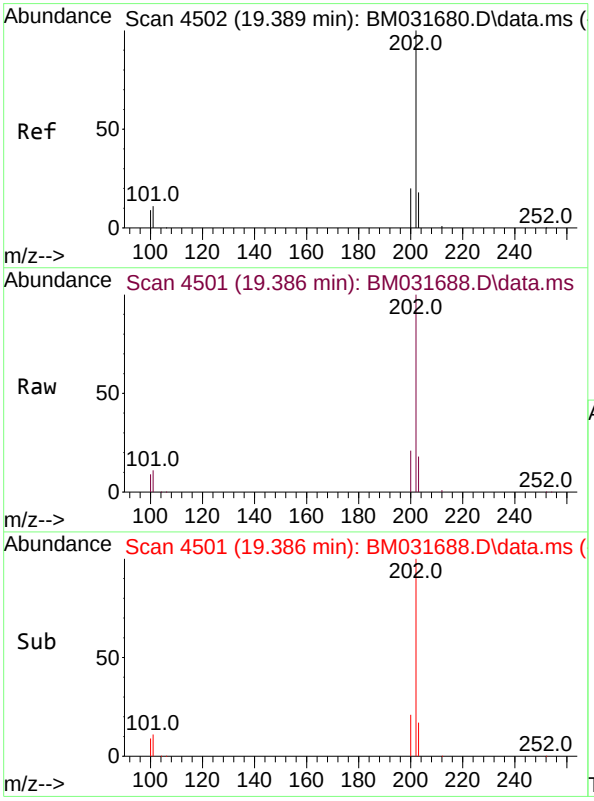



#19
Fluoranthene
Concen: 19.680 ng/ul
RT: 19.020 min Scan# 4405
Delta R.T. -0.007 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:202 Resp: 342196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 6.6 | 10.0 |
| 100 | 7.6 | 5.4 | 8.0 |

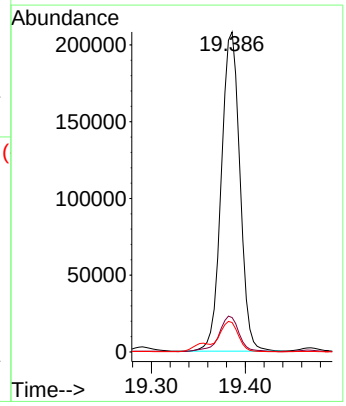



#20
Pyrene
Concen: 16.217 ng/ul
RT: 19.386 min Scan# 4501
Delta R.T. -0.004 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:202 Resp: 286010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 7.8 | 11.6 |
| 100 | 9.2 | 6.6 | 10.0 |

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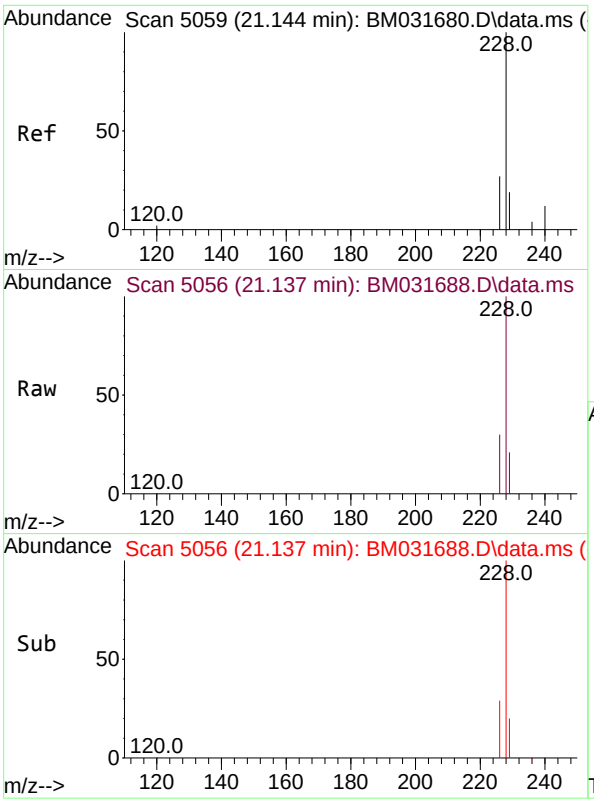
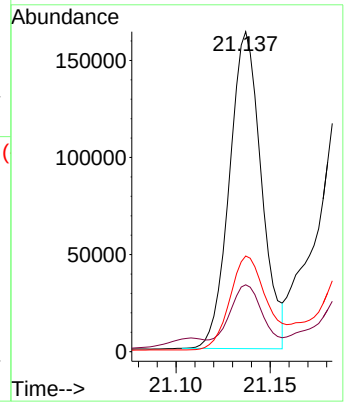



#21
Benzo(a)anthracene
Concen: 11.744 ng/ul
RT: 21.137 min Scan# 5056
Delta R.T. -0.007 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:228 Resp: 193108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 15.6 | 23.4 |
| 226 | 29.9 | 21.7 | 32.5 |

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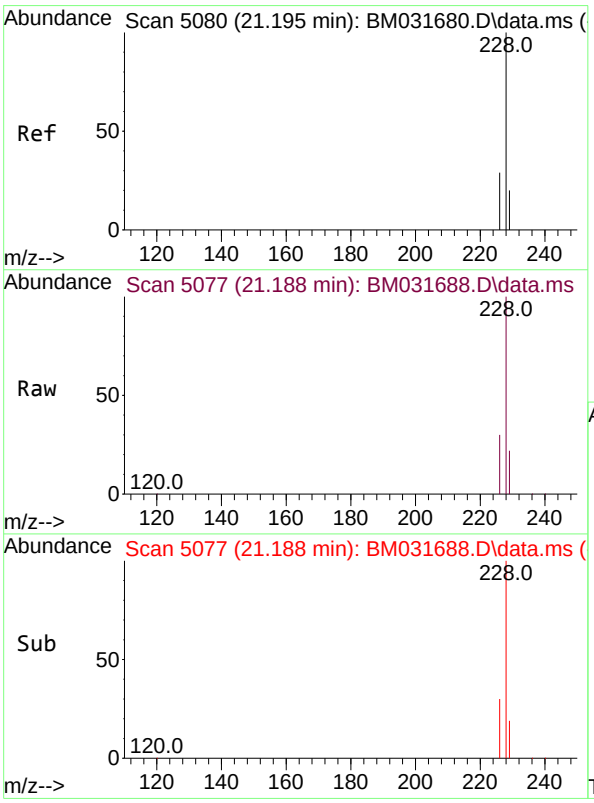
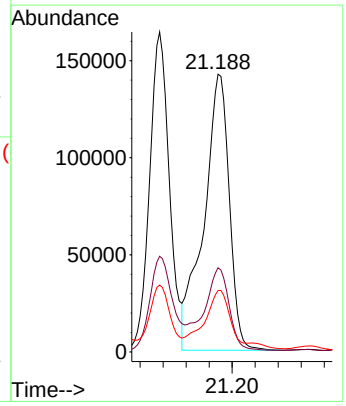
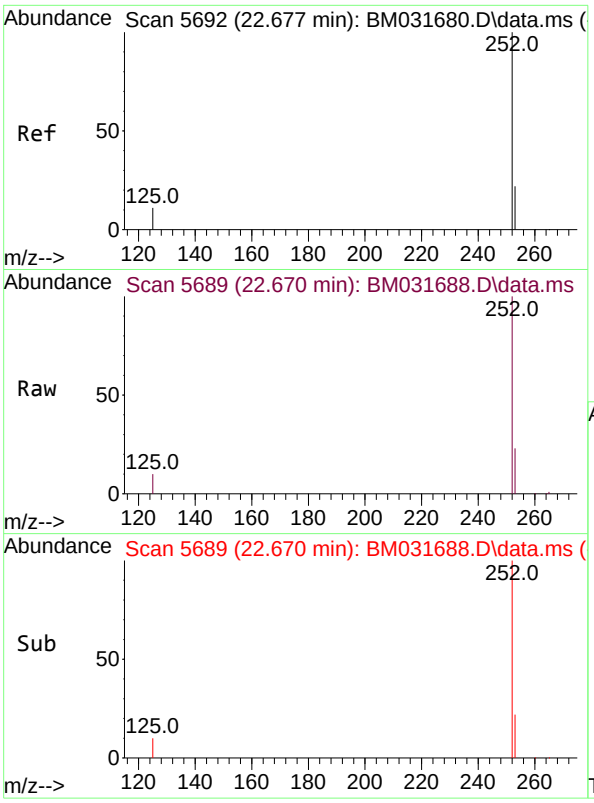



#22
Chrysene
Concen: 12.850 ng/ul
RT: 21.188 min Scan# 5077
Delta R.T. -0.007 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:228 Resp: 218599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.7 | 37.1 |
| 229 | 22.1 | 16.2 | 24.2 |

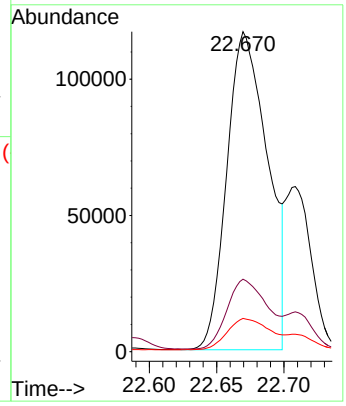


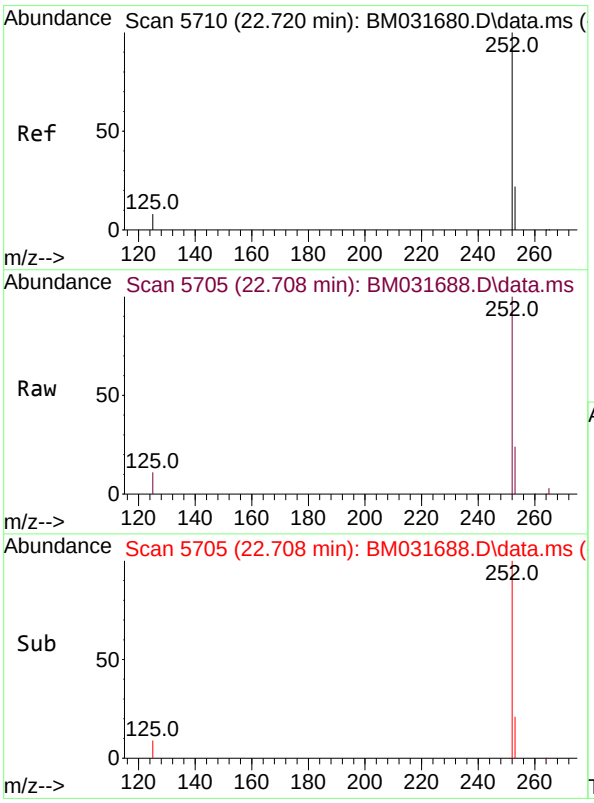



#24
Benzo(b)fluoranthene
Concen: 12.329 ng/ul m
RT: 22.670 min Scan# 5689
Delta R.T. -0.007 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:252 Resp: 246536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 0.0 | 53.0 |
| 125 | 10.4 | 0.0 | 22.8 |

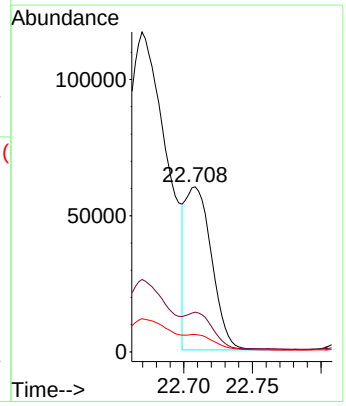



#25
Benzo(k)fluoranthene
Concen: 3.859 ng/ul m
RT: 22.708 min Scan# 5705
Delta R.T. -0.012 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:252 Resp: 79725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 21.3 | 31.9 |
| 125 | 10.6 | 8.8 | 13.2 |

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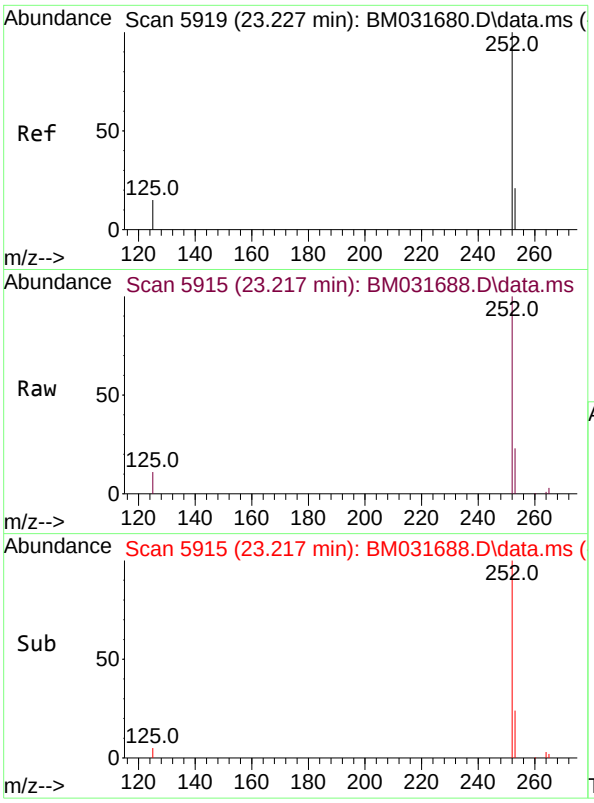
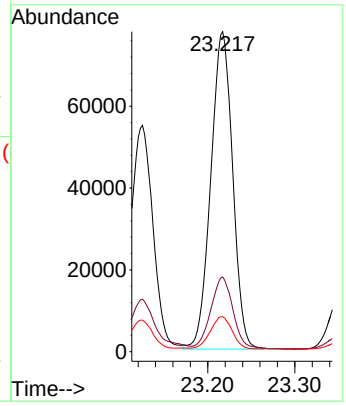
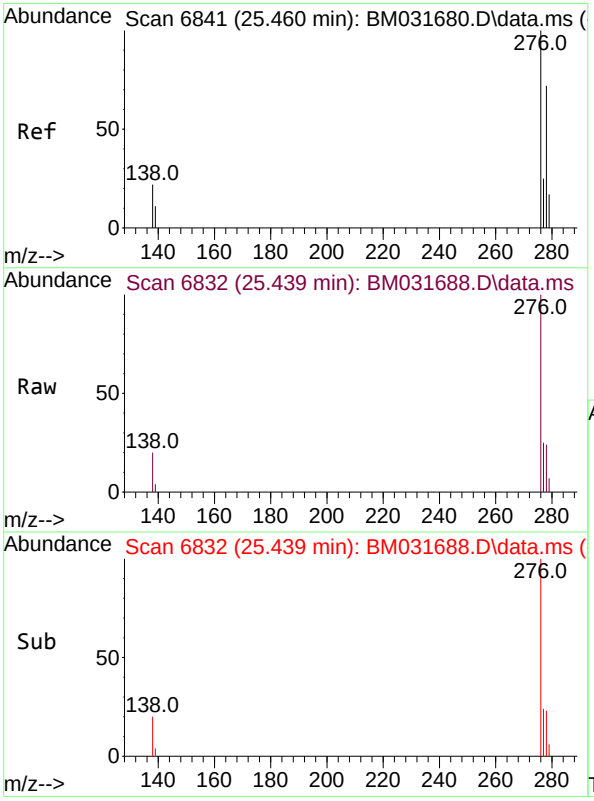



#26
Benzo(a)pyrene
Concen: 7.741 ng/ul m
RT: 23.217 min Scan# 5915
Delta R.T. -0.009 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:252 Resp: 135558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 22.4 | 33.6 |
| 125 | 10.9 | 13.0 | 19.4# |

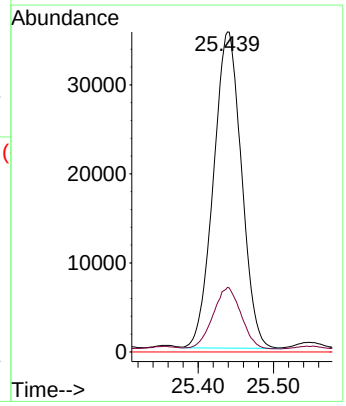



#27
Indeno(1,2,3-cd)pyrene
Concen: 4.057 ng/ul
RT: 25.439 min Scan# 6832
Delta R.T. -0.022 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:276 Resp: 91841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.7 | 15.8 | 23.8 |
| 227 | 0.0 | 0.0 | 0.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00C9

**Manual Integrations APPROVED**
mohammad
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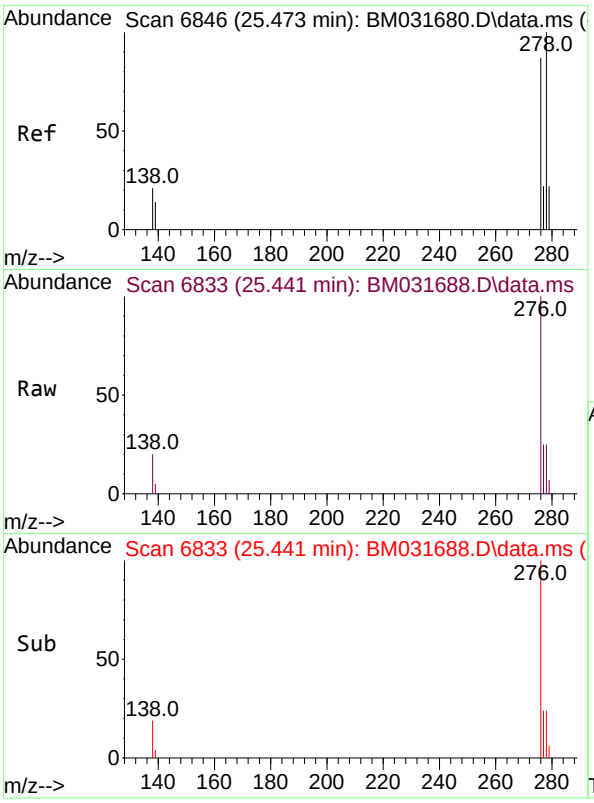
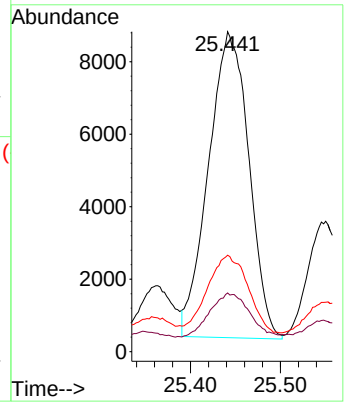



#28
Dibenzo(a,h)anthracene
Concen: 1.441 ng/ul
RT: 25.441 min Scan# 6833
Delta R.T. -0.031 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

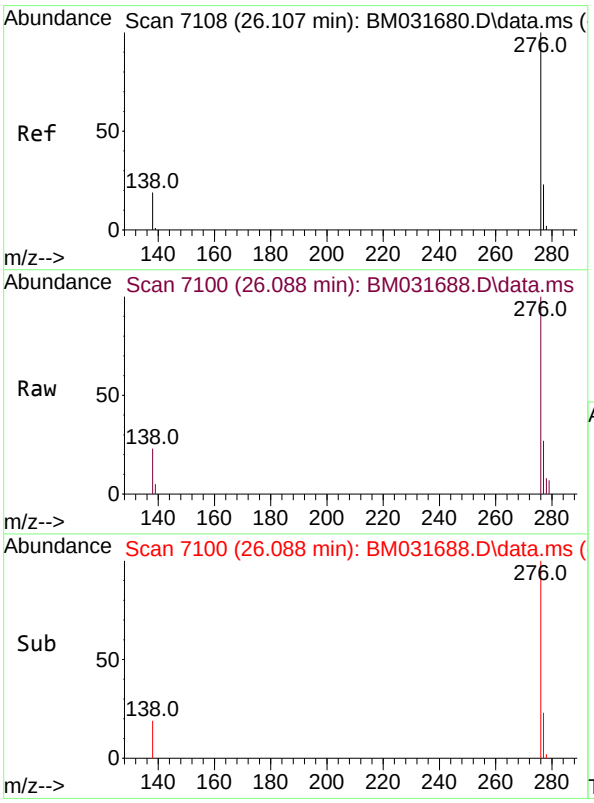
Tgt Ion:278 Resp: 26289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.3 | 13.3 | 19.9 |
| 279 | 30.2 | 22.8 | 34.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C00C9

**Manual Integrations APPROVED**
mohammad
8/13/2021 5:14:32 PM




#29
Benzo(g,h,i)perylene
Concen: 0.861 ng/ul
RT: 26.088 min Scan# 7100
Delta R.T. -0.019 min
Lab File: BM031688.D
Acq: 12 Aug 2021 21:54

Tgt Ion:276 Resp: 16618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.1 | 15.4 | 23.2 |
| 277 | 26.9 | 19.9 | 29.9 |