

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090623\  
 Data File : BM041710.D  
 Acq On : 08 Sep 2023 00:36  
 Operator : MA/JU  
 Sample : 04113-14RE  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYJORE

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/09/2023  
 Supervised By :mohammad ahmed 09/09/2023

Quant Time: Sep 08 02:55:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM090523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 06 02:20:07 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.000  | 152  | 8084     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.818 | 136  | 20971    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.638 | 164  | 10993    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.392 | 188  | 20472    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.556 | 240  | 7682     | 0.400 | ng/ul  | #-0.01   |
| 23) Perylene-d12            | 23.985 | 264  | 7937     | 0.400 | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.402  | 96   | 26615    | 2.154 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.396 | 152  | 4157     | 0.154 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.408 | 212  | 6345     | 0.170 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.867 | 128  | 18047    | 0.262 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.467 | 142  | 42967    | 1.099 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.687 | 142  | 31837    | 0.811 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.361 | 152  | 4665     | 0.069 | ng/ul# | 14       |
| 11) Acenaphthene            | 14.703 | 153  | 8646     | 0.164 | ng/ul  | 88       |
| 12) Fluorene                | 15.688 | 166  | 10545    | 0.178 | ng/ul# | 88       |
| 15) Phenanthrene            | 17.430 | 178  | 77179    | 0.893 | ng/ul  | 98       |
| 16) Anthracene              | 17.523 | 178  | 12257    | 0.165 | ng/ul# | 85       |
| 19) Fluoranthene            | 19.441 | 202  | 84463    | 0.932 | ng/ul  | 99       |
| 20) Pyrene                  | 19.803 | 202  | 74813m   | 0.831 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.539 | 228  | 30801    | 0.492 | ng/ul  | 97       |
| 22) Chrysene                | 21.594 | 228  | 42118    | 0.623 | ng/ul# | 95       |
| 24) Benzo(b)fluoranthene    | 23.237 | 252  | 56777    | 0.799 | ng/ul  | 84       |
| 25) Benzo(k)fluoranthene    | 23.284 | 252  | 19584m   | 0.282 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.877 | 252  | 32186    | 0.558 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.505 | 276  | 31576    | 0.399 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.518 | 278  | 6791     | 0.122 | ng/ul# | 57       |
| 29) Benzo(g,h,i)perylene    | 27.290 | 276  | 32388    | 0.462 | ng/ul  | 96       |

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

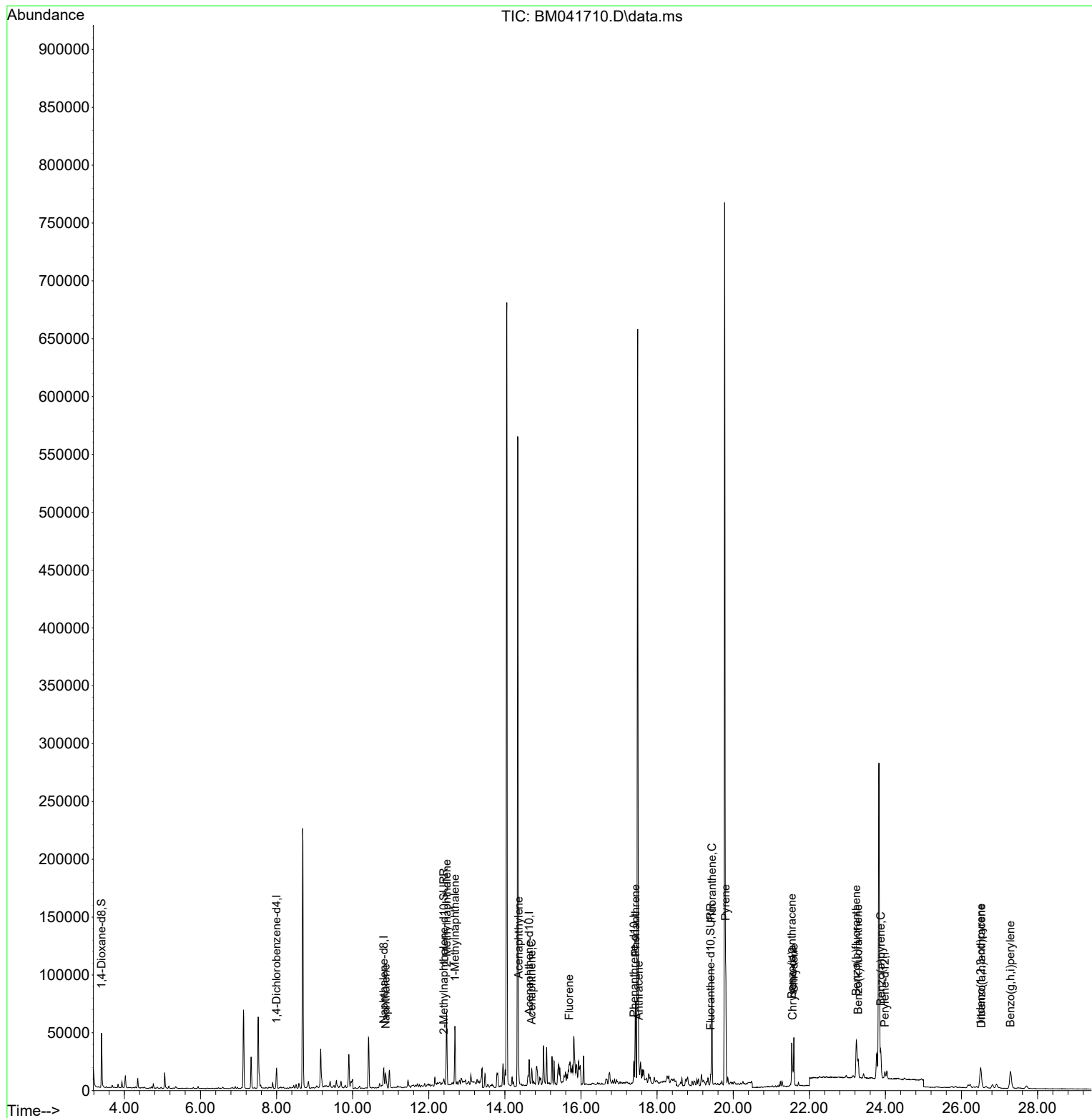
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090623\  
Data File : BM041710.D  
Acq On : 08 Sep 2023 00:36  
Operator : MA/JU  
Sample : 04113-14RE  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

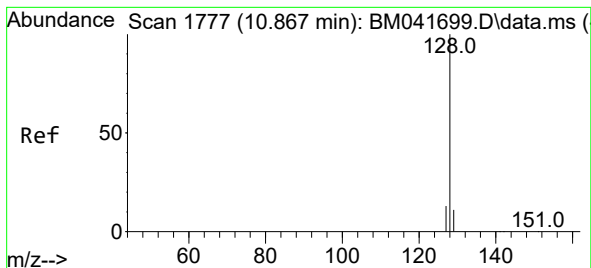
Instrument :  
BNA\_M  
ClientSampleId :  
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Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023

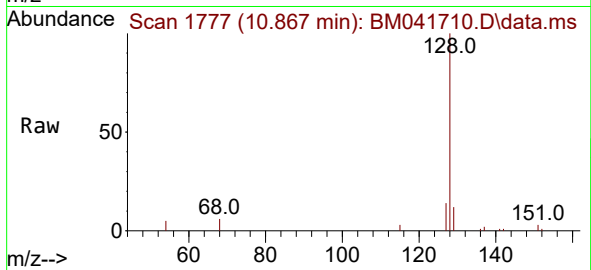
Quant Time: Sep 08 02:55:35 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM090523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 06 02:20:07 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.262 ng/ul  
RT: 10.867 min Scan# 1777  
Delta R.T. -0.005 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

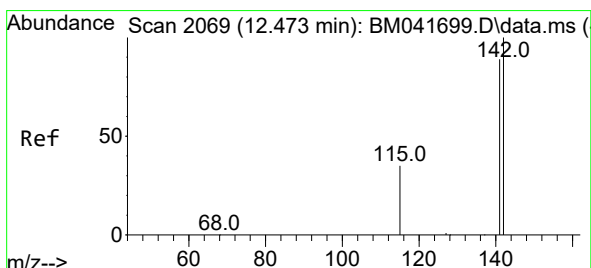
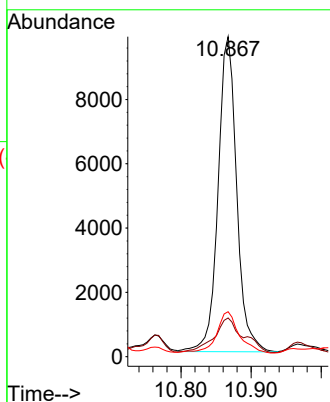
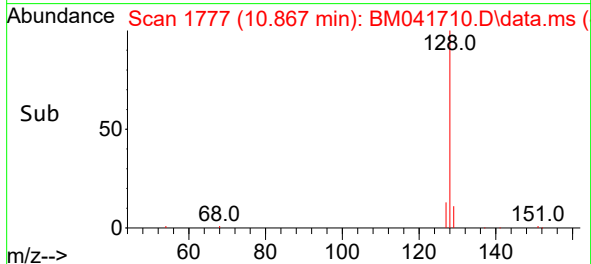
Instrument :  
BNA\_M  
ClientSampleId :  
EZYJORE



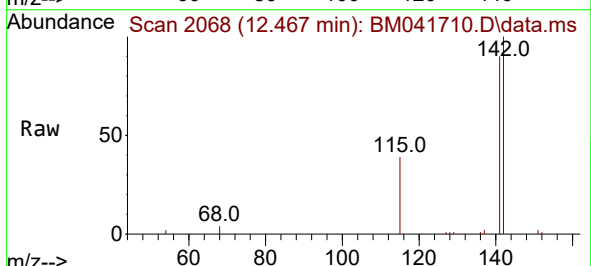
Tgt Ion:128 Resp: 1804  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.4 14.0  
127 14.0 11.0 16.6

Manual Integrations  
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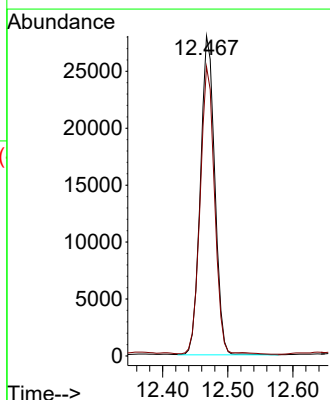
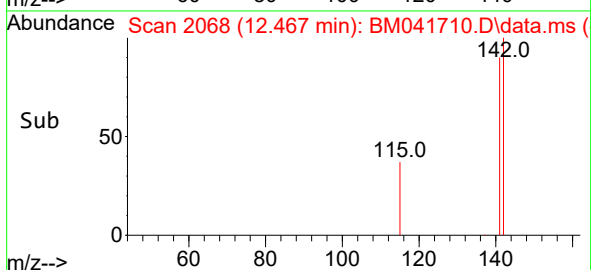
Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023

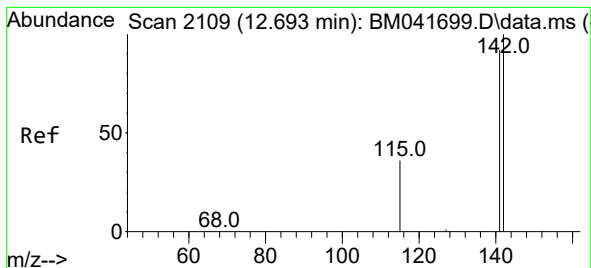


#7  
2-Methylnaphthalene  
Concen: 1.099 ng/ul  
RT: 12.467 min Scan# 2068  
Delta R.T. -0.011 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36



Tgt Ion:142 Resp: 42967  
Ion Ratio Lower Upper  
142 100  
141 90.7 72.2 108.2





#8

1-Methylnaphthalene

Concen: 0.811 ng/ul

RT: 12.687 min Scan# 2108

Delta R.T. -0.011 min

Lab File: BM041710.D

Acq: 08 Sep 2023 00:36

Instrument :

BNA\_M

ClientSampleId :

EZYJORE

Tgt Ion:142 Resp: 3183

Ion Ratio Lower Upper

142 100

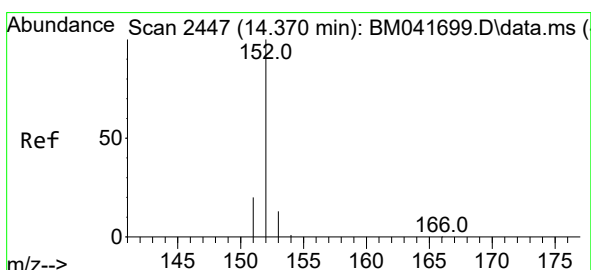
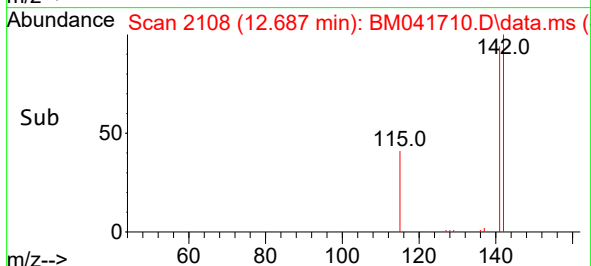
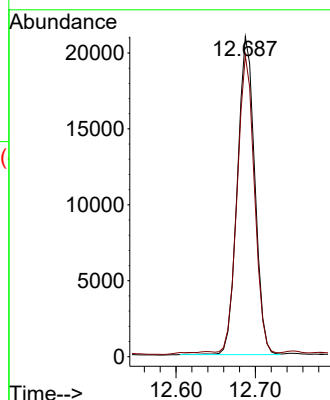
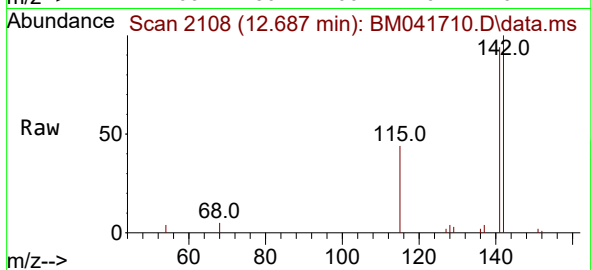
141 92.4 74.4 111.6

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#10

Acenaphthylene

Concen: 0.069 ng/ul

RT: 14.361 min Scan# 2445

Delta R.T. -0.014 min

Lab File: BM041710.D

Acq: 08 Sep 2023 00:36

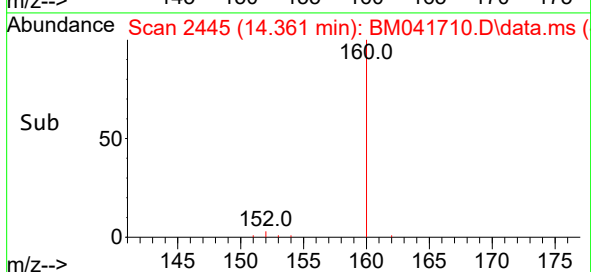
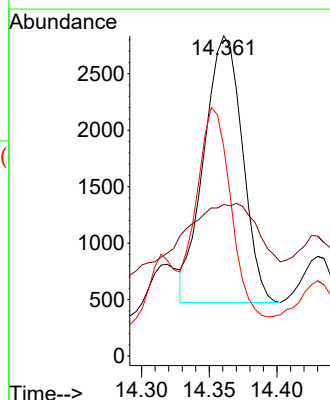
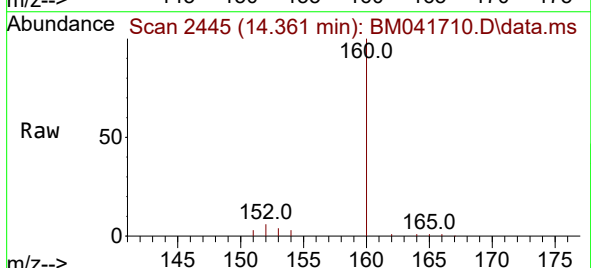
Tgt Ion:152 Resp: 4665

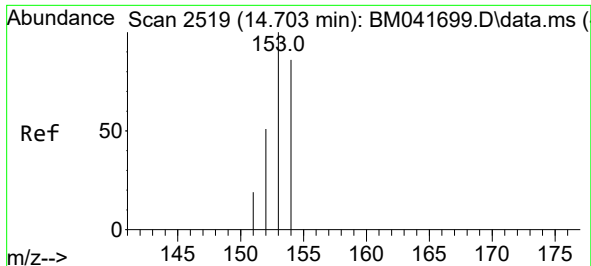
Ion Ratio Lower Upper

152 100

151 47.4 16.4 24.6#

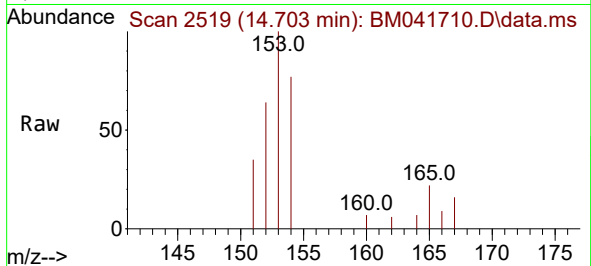
153 65.3 11.1 16.7#





#11  
Acenaphthene  
Concen: 0.164 ng/ul  
RT: 14.703 min Scan# 2519  
Delta R.T. -0.009 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

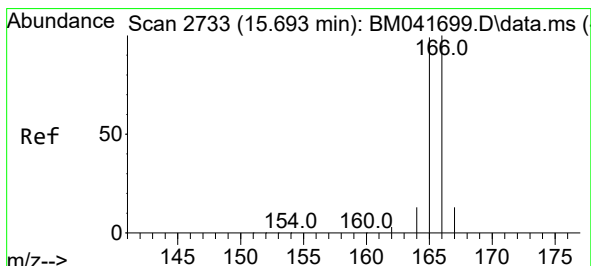
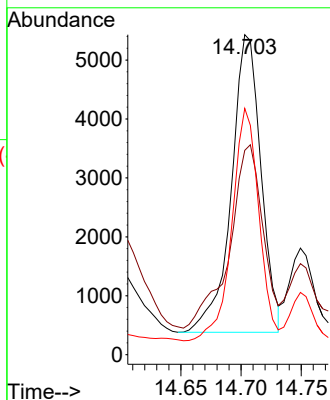
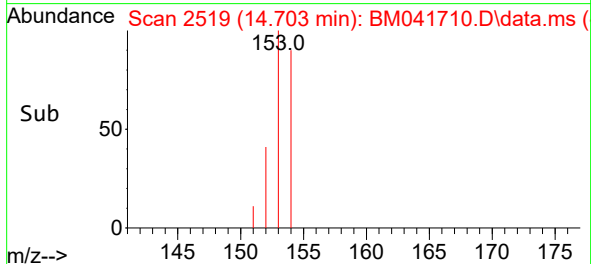
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:153 Resp: 8640  
Ion Ratio Lower Upper  
153 100  
152 63.9 43.4 65.2  
154 76.9 69.4 104.0

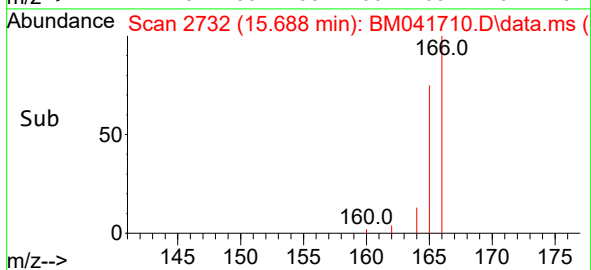
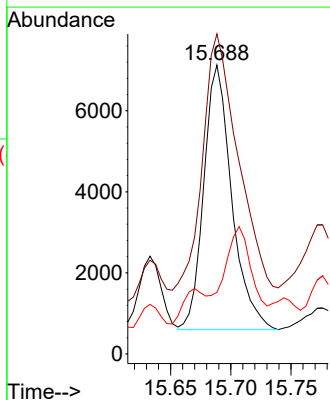
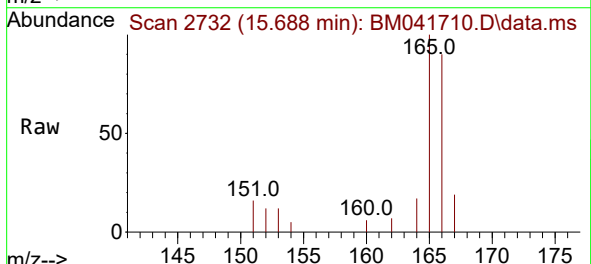
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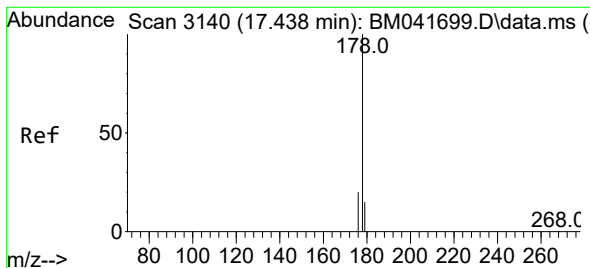
Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023



#12  
Fluorene  
Concen: 0.178 ng/ul  
RT: 15.688 min Scan# 2732  
Delta R.T. -0.009 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

Tgt Ion:166 Resp: 10545  
Ion Ratio Lower Upper  
166 100  
165 110.7 79.4 119.2  
167 21.3 11.3 16.9#





#15

Phenanthrene

Concen: 0.893 ng/ul

RT: 17.430 min Scan# 3140

Delta R.T. -0.013 min

Lab File: BM041710.D

Acq: 08 Sep 2023 00:36

Instrument :

BNA\_M

ClientSampleId :

EZYJORE

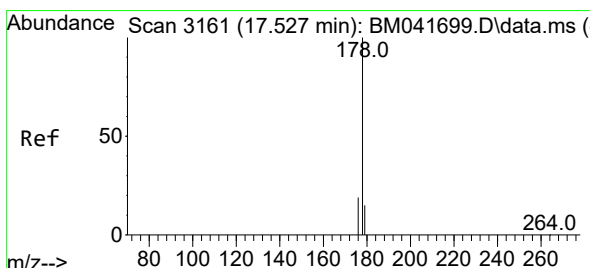
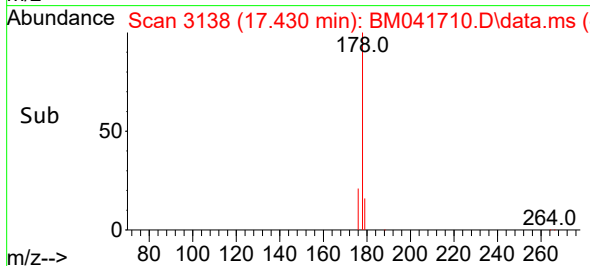
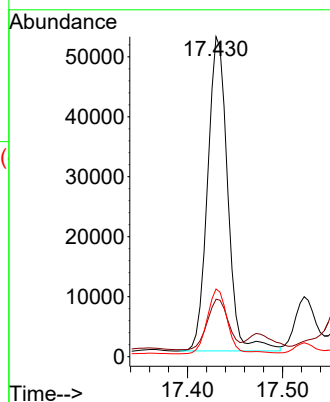
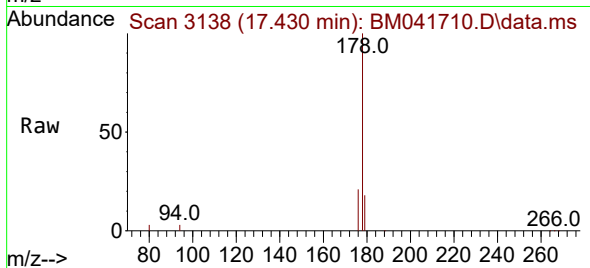
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 77179     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 18.0  | 12.9 19.3 |
| 176         | 21.1  | 16.9 25.3 |

Manual Integrations

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Reviewed By :Yogesh Patel 09/09/2023

Supervised By :mohammad ahmed 09/09/2023



#16

Anthracene

Concen: 0.165 ng/ul

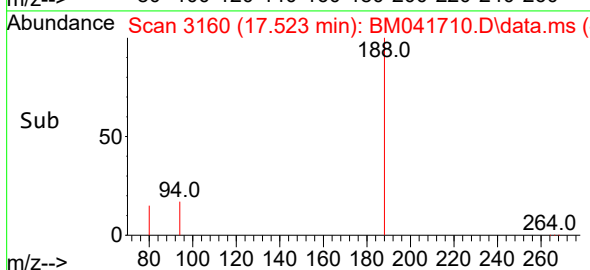
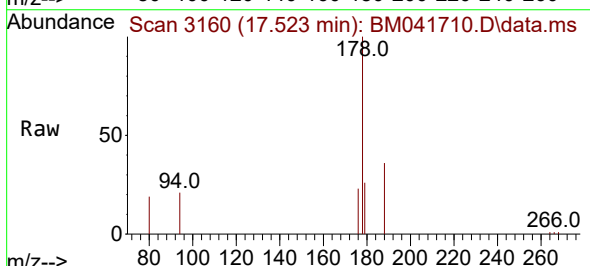
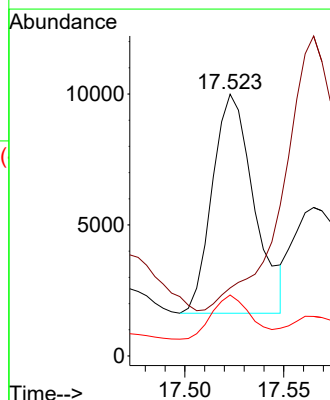
RT: 17.523 min Scan# 3160

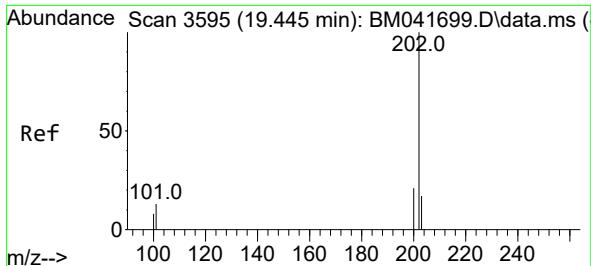
Delta R.T. -0.013 min

Lab File: BM041710.D

Acq: 08 Sep 2023 00:36

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:178 | Resp: | 12257      |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 179         | 26.0  | 12.9 19.3# |
| 176         | 23.3  | 15.8 23.8  |





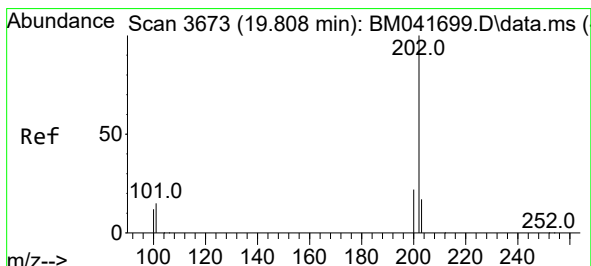
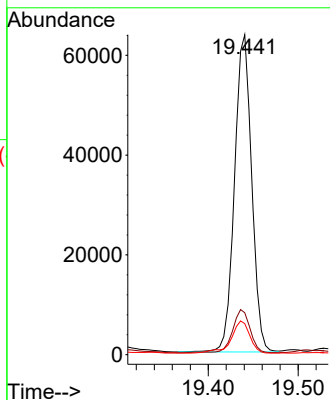
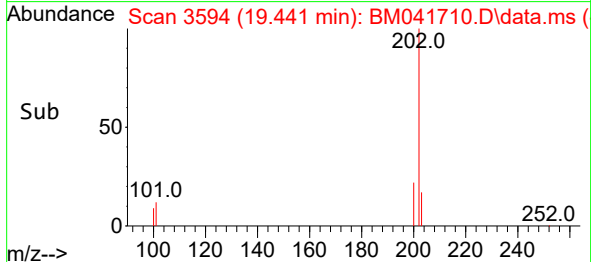
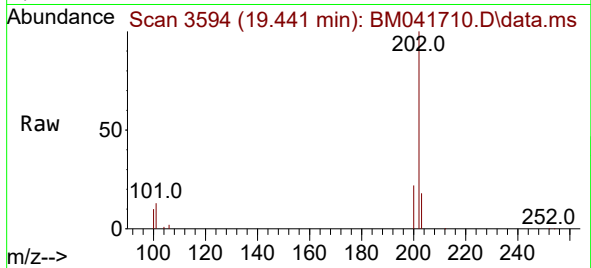
#19  
Fluoranthene  
Concen: 0.932 ng/ul  
RT: 19.441 min Scan# 3594  
Delta R.T. -0.009 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:202 Resp: 8446  
Ion Ratio Lower Upper  
202 100  
101 13.1 10.5 15.7  
100 9.7 8.4 12.6

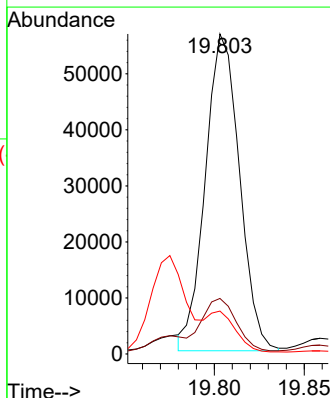
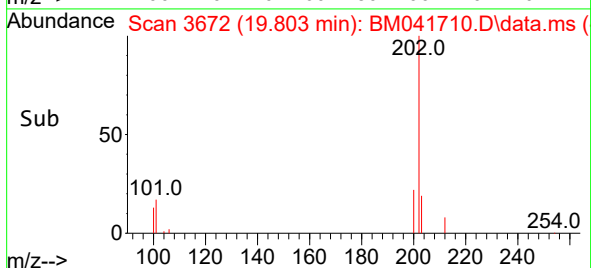
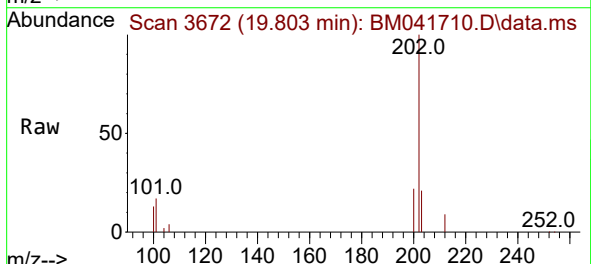
Manual Integrations  
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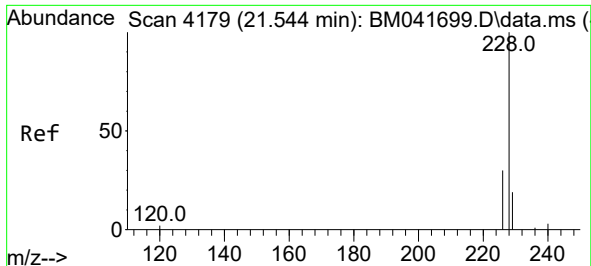
Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023



#20  
Pyrene  
Concen: 0.831 ng/ul m  
RT: 19.803 min Scan# 3672  
Delta R.T. -0.014 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

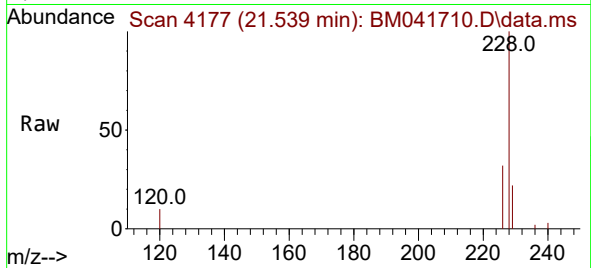
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Ion Ratio Lower Upper  
202 100  
101 17.3 11.8 17.8  
100 13.4 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.492 ng/ul  
RT: 21.539 min Scan# 4177  
Delta R.T. -0.015 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

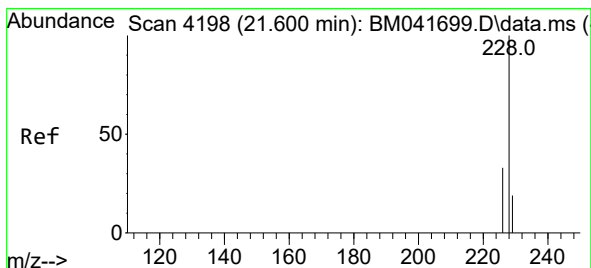
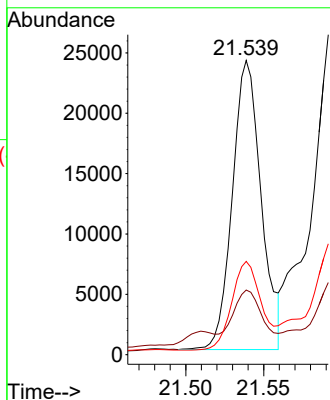
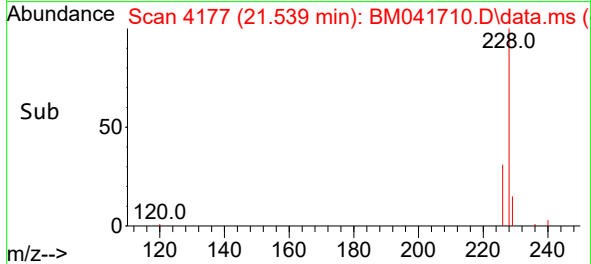
Instrument :  
BNA\_M  
ClientSampleId :  
EZYJORE



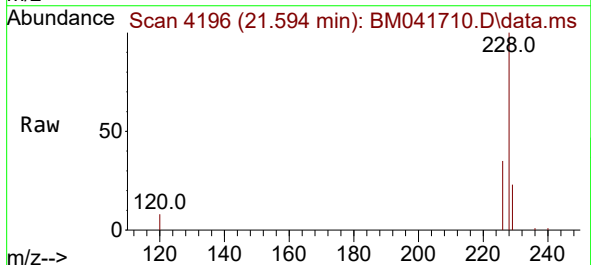
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Ion Ratio Lower Upper  
228 100  
229 22.0 15.8 23.6  
226 31.7 24.8 37.2

Manual Integrations  
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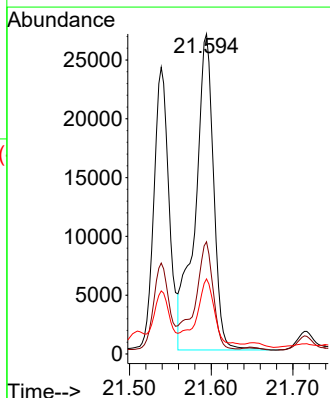
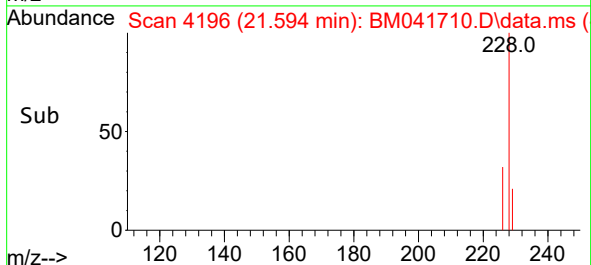
Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023

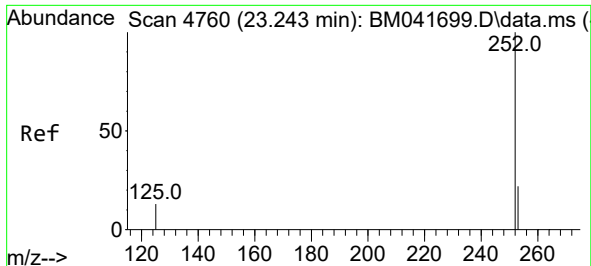


#22  
Chrysene  
Concen: 0.623 ng/ul  
RT: 21.594 min Scan# 4196  
Delta R.T. -0.015 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36



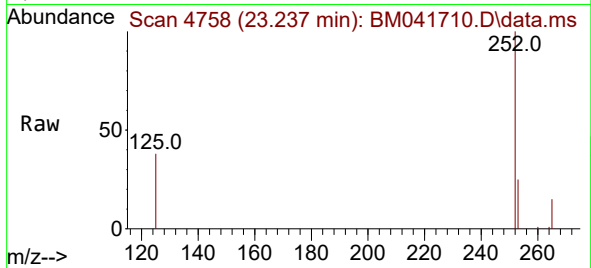
Tgt Ion:228 Resp: 42118  
Ion Ratio Lower Upper  
228 100  
226 35.0 27.0 40.6  
229 23.4 15.4 23.2#





#24  
Benzo(b)fluoranthene  
Concen: 0.799 ng/ul  
RT: 23.237 min Scan# 4758  
Delta R.T. -0.015 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

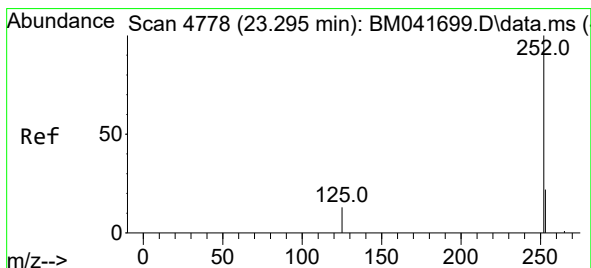
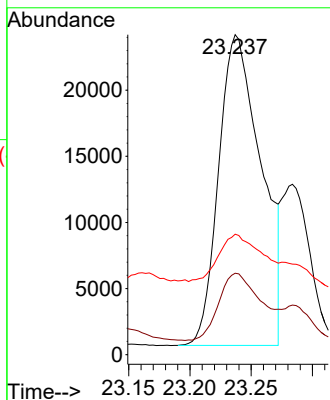
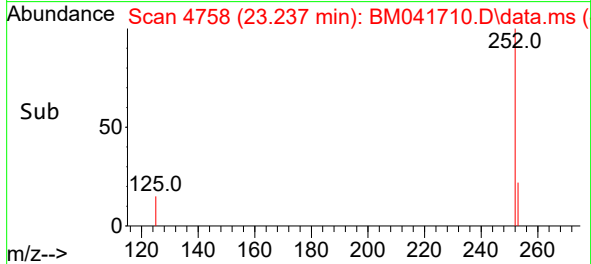
Instrument :  
BNA\_M  
ClientSampleId :  
EZYJORE



Tgt Ion:252 Resp: 5677  
Ion Ratio Lower Upper  
252 100  
253 25.5 0.0 52.4  
125 37.6 0.0 42.8

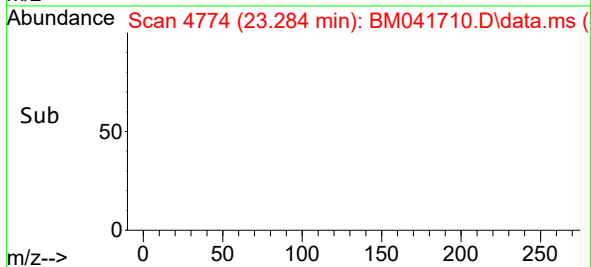
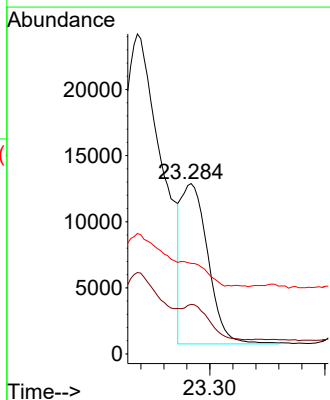
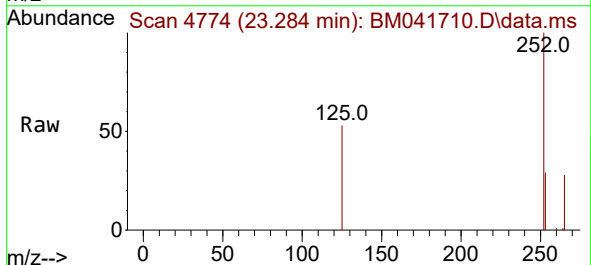
Manual Integrations  
APPROVED

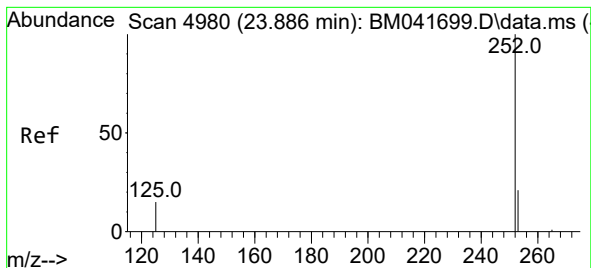
Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023



#25  
Benzo(k)fluoranthene  
Concen: 0.282 ng/ul m  
RT: 23.284 min Scan# 4774  
Delta R.T. -0.020 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

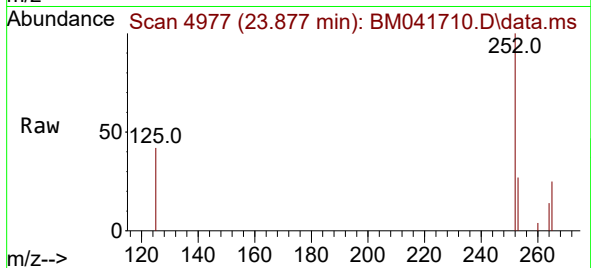
Tgt Ion:252 Resp: 19584  
Ion Ratio Lower Upper  
252 100  
253 29.1 21.3 31.9  
125 53.2 17.4 26.0#





#26  
Benzo(a)pyrene  
Concen: 0.558 ng/ul  
RT: 23.877 min Scan# 4980  
Delta R.T. -0.020 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

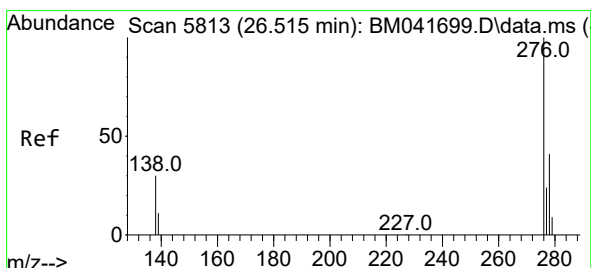
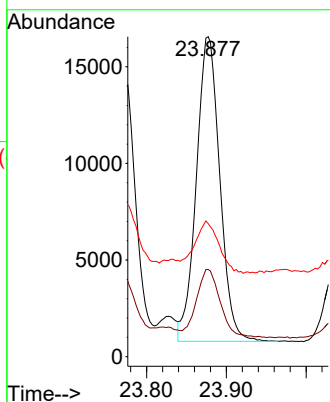
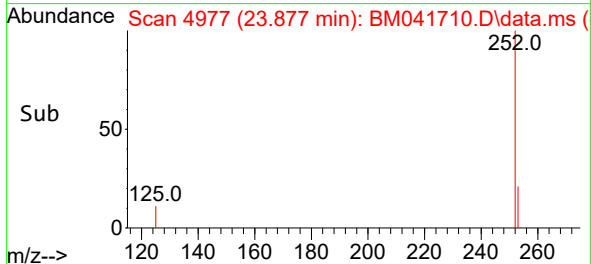
Instrument :  
BNA\_M  
ClientSampleId :  
EZYJORE



Tgt Ion:252 Resp: 32180  
Ion Ratio Lower Upper  
252 100  
253 27.3 22.4 33.6  
125 41.5 21.0 31.4

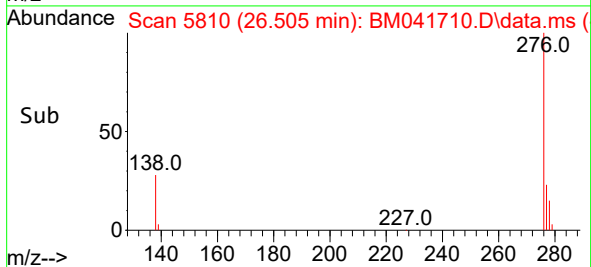
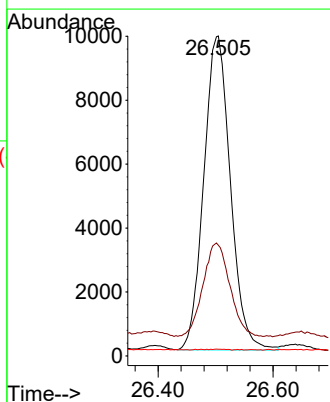
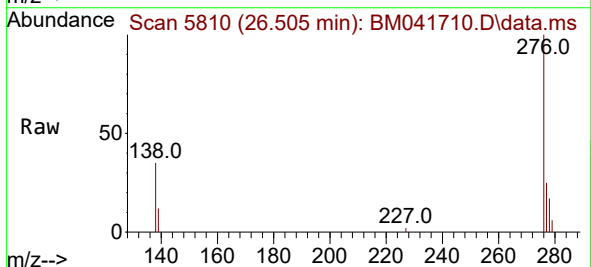
Manual Integrations  
APPROVED

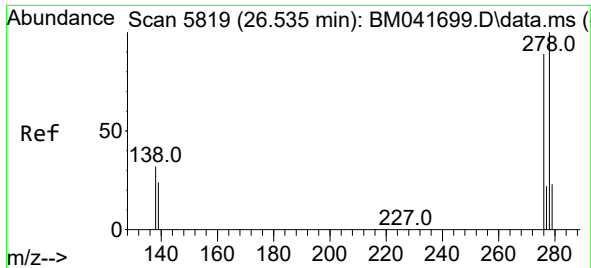
Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.399 ng/ul  
RT: 26.505 min Scan# 5810  
Delta R.T. -0.027 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

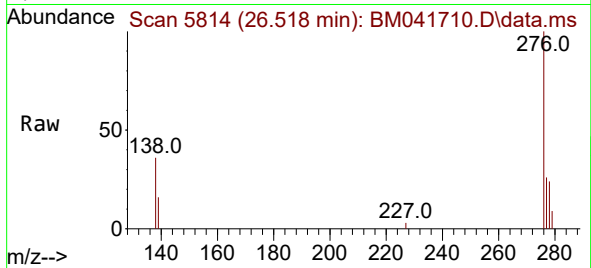
Tgt Ion:276 Resp: 31576  
Ion Ratio Lower Upper  
276 100  
138 29.7 26.4 39.6  
227 0.2 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.122 ng/ul  
RT: 26.518 min Scan# 5814  
Delta R.T. -0.034 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

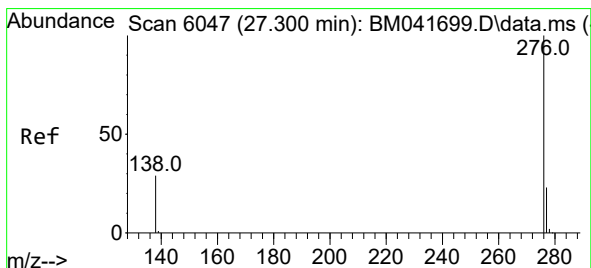
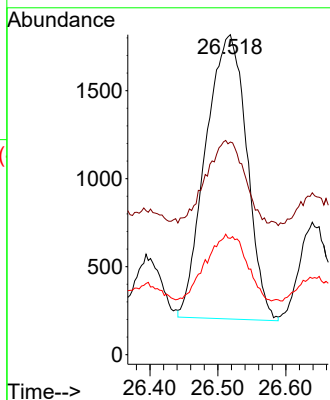
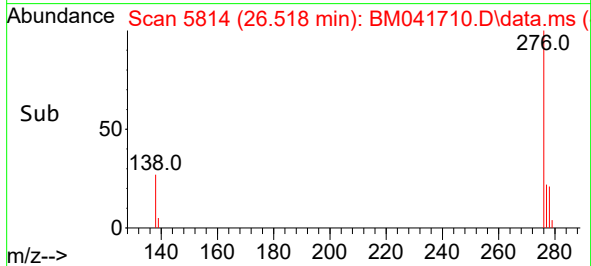
Instrument :  
BNA\_M  
ClientSampleId :  
EZYJORE



Tgt Ion:278 Resp: 679  
Ion Ratio Lower Upper  
278 100  
139 66.4 23.0 34.6  
279 36.4 22.9 34.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/09/2023  
Supervised By :mohammad ahmed 09/09/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.462 ng/ul  
RT: 27.290 min Scan# 6044  
Delta R.T. -0.027 min  
Lab File: BM041710.D  
Acq: 08 Sep 2023 00:36

Tgt Ion:276 Resp: 32388  
Ion Ratio Lower Upper  
276 100  
138 35.1 25.0 37.4  
277 24.8 20.2 30.2

