

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071223\  
 Data File : BM040831.D  
 Acq On : 12 Jul 2023 11:03  
 Operator : MA/JU  
 Sample : 03414-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46G1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/13/2023  
 Supervised By :mohammad ahmed 07/13/2023

Quant Time: Jul 13 00:12:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 05:37:29 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.879  | 152  | 4009     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.682 | 136  | 15403    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.523 | 164  | 7524     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.274 | 188  | 15139    | 0.400 | ng/ul   | -0.02    |
| 17) Chrysene-d12            | 21.470 | 240  | 8927     | 0.400 | ng/ul   | -0.01    |
| 23) Perylene-d12            | 23.858 | 264  | 6299     | 0.400 | ng/ul   | -0.02    |
|                             |        |      |          |       |         |          |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.292  | 96   | 7857     | 1.248 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.276 | 152  | 3125     | 0.145 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.307 | 212  | 4567     | 0.160 | ng/ul   | -0.01    |
|                             |        |      |          |       |         |          |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 5) Naphthalene              | 10.731 | 128  | 6748     | 0.159 | ng/ul   | 96       |
| 7) 2-Methylnaphthalene      | 12.348 | 142  | 649      | 0.026 | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.241 | 152  | 870      | 0.026 | ng/ul#  | 51       |
| 12) Fluorene                | 15.573 | 166  | 760      | 0.025 | ng/ul#  | 89       |
| 15) Phenanthrene            | 17.317 | 178  | 8428     | 0.179 | ng/ul   | 96       |
| 19) Fluoranthene            | 19.335 | 202  | 13028    | 0.344 | ng/ul   | 100      |
| 20) Pyrene                  | 19.697 | 202  | 12629    | 0.311 | ng/ul#  | 90       |
| 21) Benzo(a)anthracene      | 21.455 | 228  | 4885     | 0.162 | ng/ul#  | 86       |
| 22) Chrysene                | 21.505 | 228  | 4746     | 0.138 | ng/ul#  | 89       |
| 24) Benzo(b)fluoranthene    | 23.136 | 252  | 5404     | 0.222 | ng/ul#  | 65       |
| 25) Benzo(k)fluoranthene    | 23.162 | 252  | 3565m    | 0.148 | ng/ul   |          |
| 26) Benzo(a)pyrene          | 23.747 | 252  | 3247     | 0.148 | ng/ul#  | 41       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.332 | 276  | 2588     | 0.085 | ng/ul#  | 84       |
| 29) Benzo(g,h,i)perylene    | 27.090 | 276  | 559      | 0.021 | ng/ul#  | 10       |
| -----                       |        |      |          |       |         |          |

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

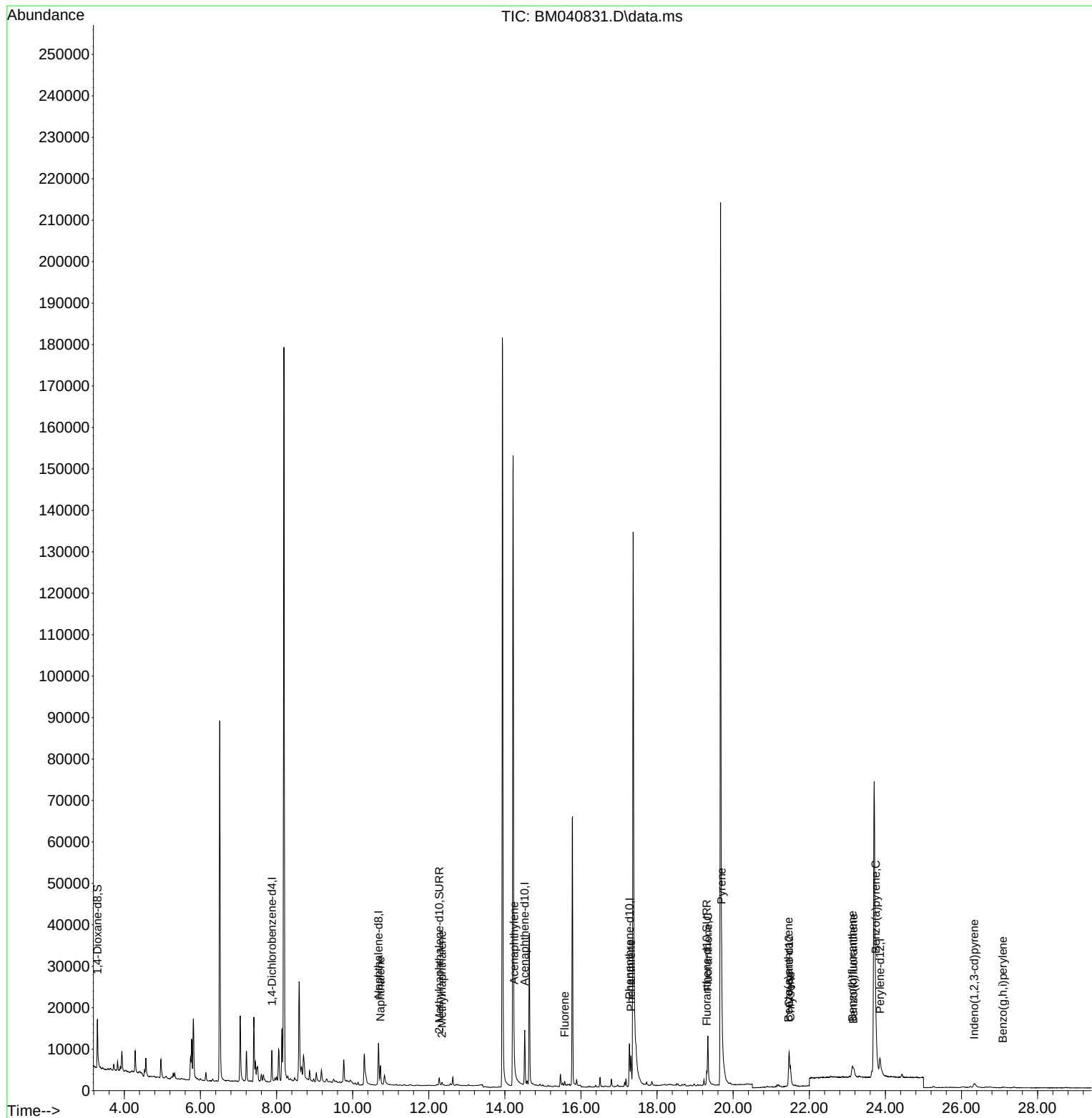
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071223\  
Data File : BM040831.D  
Acq On : 12 Jul 2023 11:03  
Operator : MA/JU  
Sample : 03414-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

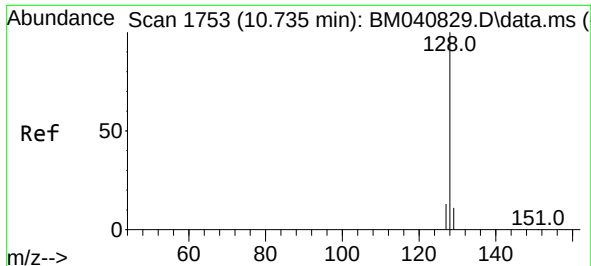
Instrument :  
BNA\_M  
ClientSampleId :  
A46G1

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Supervised By :mohammad ahmed 07/13/2023

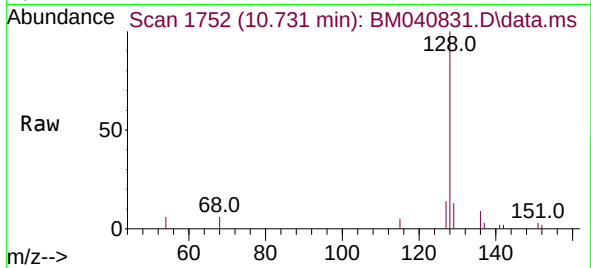
Quant Time: Jul 13 00:12:07 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 12 05:37:29 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.159 ng/ul  
RT: 10.731 min Scan# 1753  
Delta R.T. -0.009 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

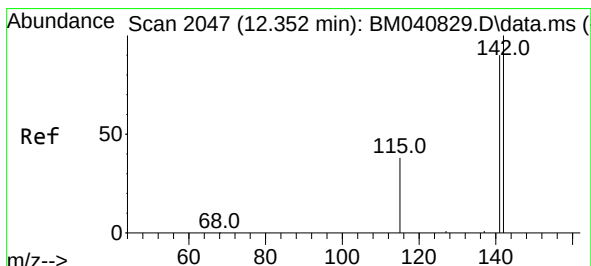
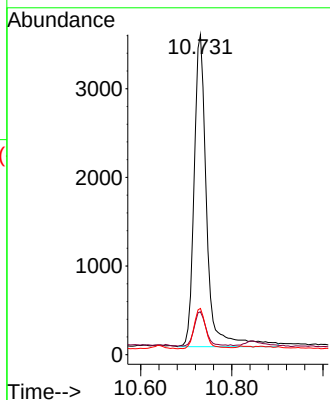
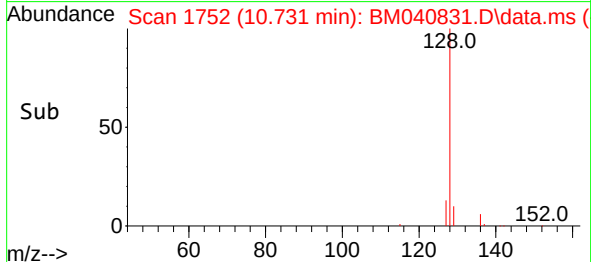
Instrument :  
BNA\_M  
ClientSampleId :  
A46G1



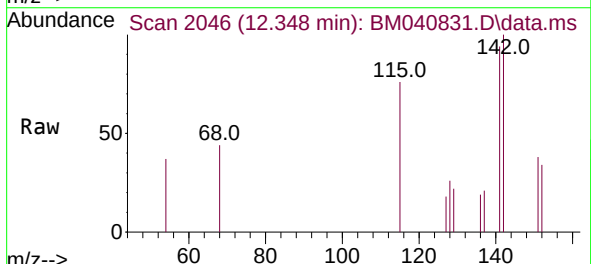
Tgt Ion:128 Resp: 6748  
Ion Ratio Lower Upper  
128 100  
129 13.4 9.2 13.8  
127 14.5 10.6 15.8

Manual Integrations  
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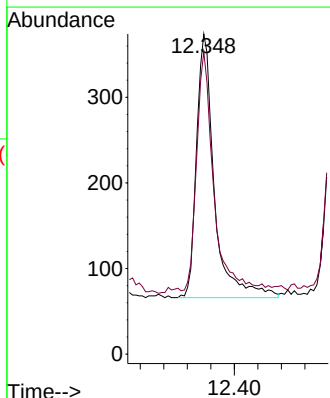
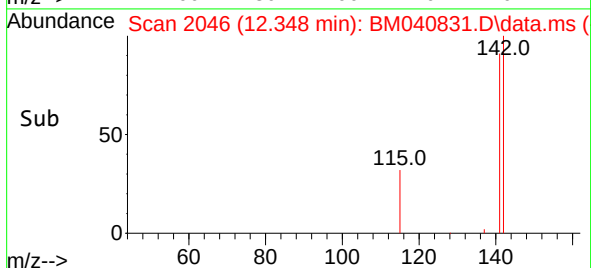
Reviewed By :Yogesh Patel 07/13/2023  
Supervised By :mohammad ahmed 07/13/2023

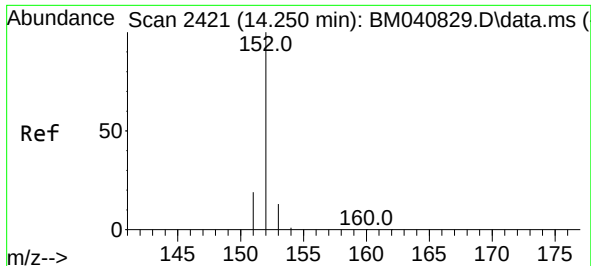


#7  
2-Methylnaphthalene  
Concen: 0.026 ng/ul  
RT: 12.348 min Scan# 2046  
Delta R.T. -0.009 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03



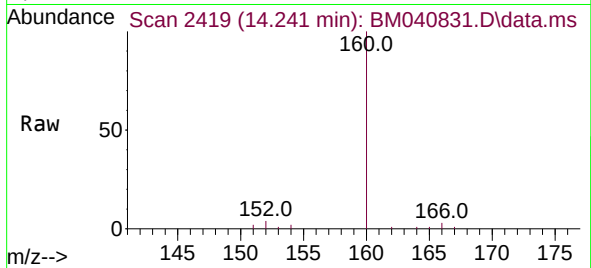
Tgt Ion:142 Resp: 649  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.9 107.9





#10  
Acenaphthylene  
Concen: 0.026 ng/ul  
RT: 14.241 min Scan# 2419  
Delta R.T. -0.013 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

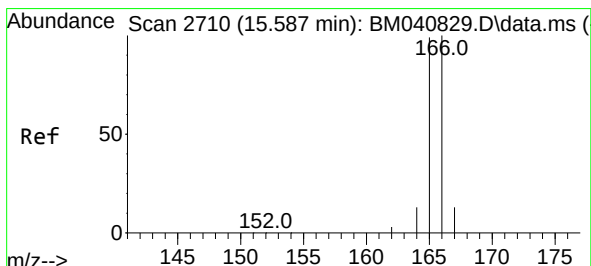
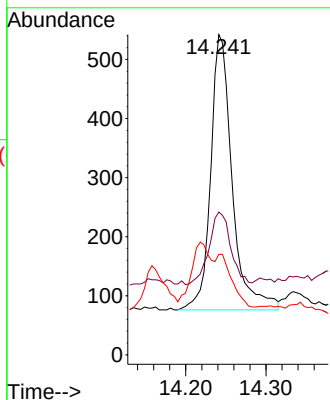
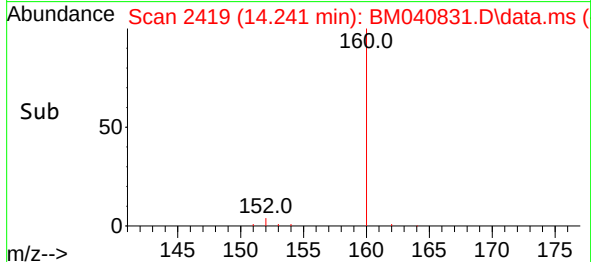
Instrument :  
BNA\_M  
ClientSampleId :  
A46G1



Tgt Ion:152 Resp: 870  
Ion Ratio Lower Upper  
152 100  
151 44.6 16.2 24.2  
153 31.4 10.9 16.3

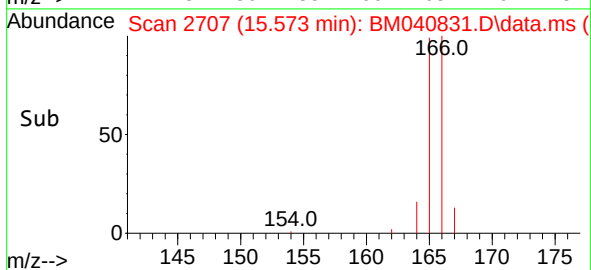
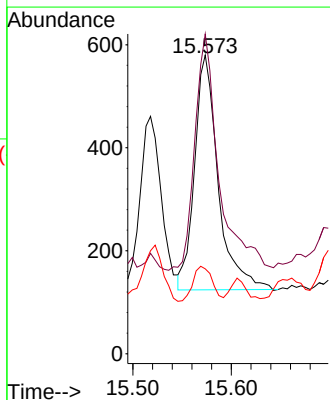
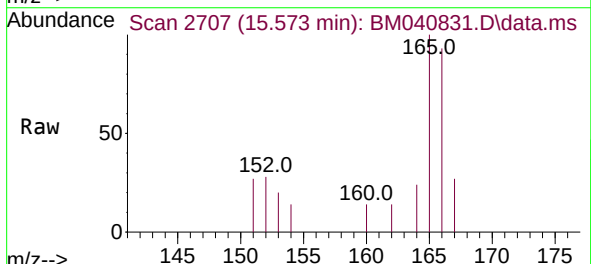
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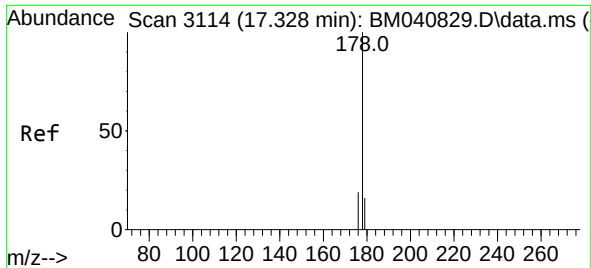
Reviewed By :Yogesh Patel 07/13/2023  
Supervised By :mohammad ahmed 07/13/2023



#12  
Fluorene  
Concen: 0.025 ng/ul  
RT: 15.573 min Scan# 2707  
Delta R.T. -0.018 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

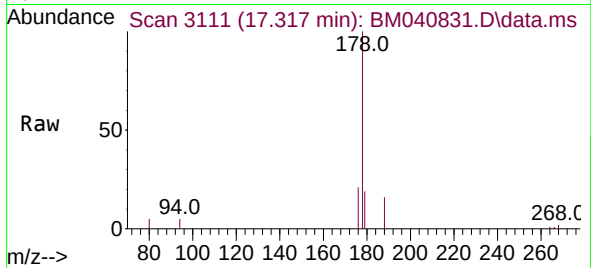
Tgt Ion:166 Resp: 760  
Ion Ratio Lower Upper  
166 100  
165 107.1 79.6 119.4  
167 28.4 11.4 17.0





#15  
Phenanthrene  
Concen: 0.179 ng/ul  
RT: 17.317 min Scan# 3111  
Delta R.T. -0.016 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

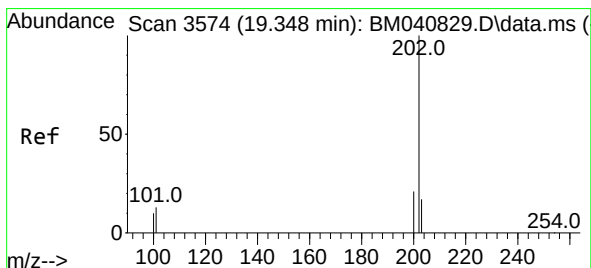
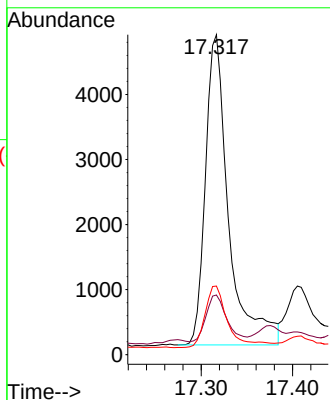
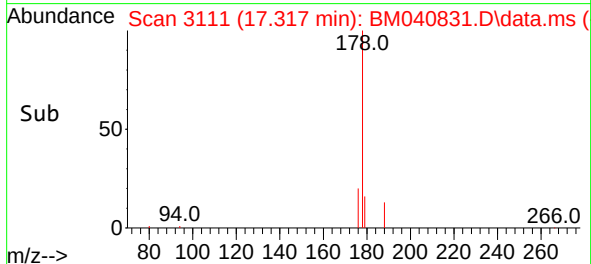
Instrument :  
BNA\_M  
ClientSampleId :  
A46G1



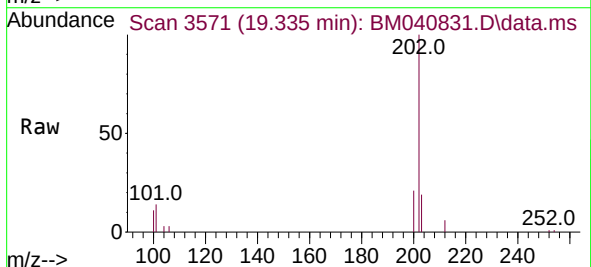
Tgt Ion:178 Resp: 8428  
Ion Ratio Lower Upper  
178 100  
179 18.6 12.8 19.2  
176 21.5 16.4 24.6

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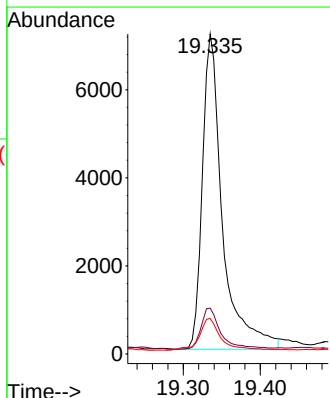
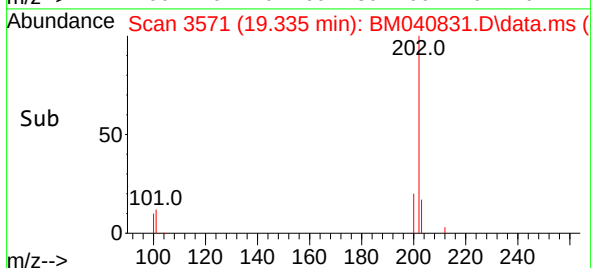
Reviewed By :Yogesh Patel 07/13/2023  
Supervised By :mohammad ahmed 07/13/2023

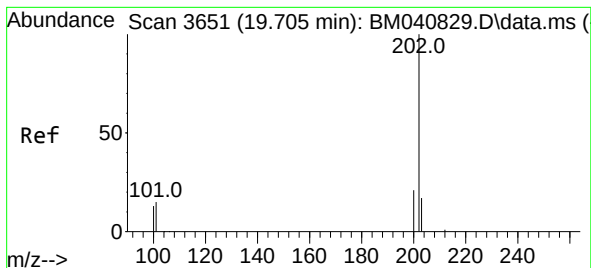


#19  
Fluoranthene  
Concen: 0.344 ng/ul  
RT: 19.335 min Scan# 3571  
Delta R.T. -0.017 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03



Tgt Ion:202 Resp: 13028  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.4 17.0  
100 11.1 8.7 13.1





#20

Pyrene

Concen: 0.311 ng/ul

RT: 19.697 min Scan# 30

Delta R.T. -0.013 min

Lab File: BM040831.D

Acq: 12 Jul 2023 11:03

Instrument :

BNA\_M

ClientSampleId :

A46G1

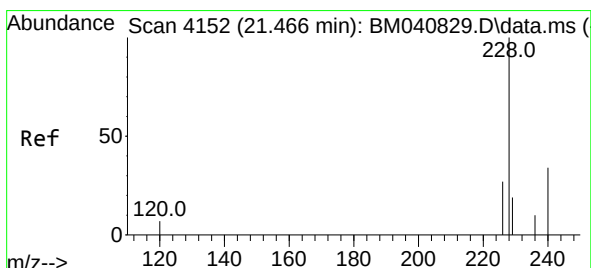
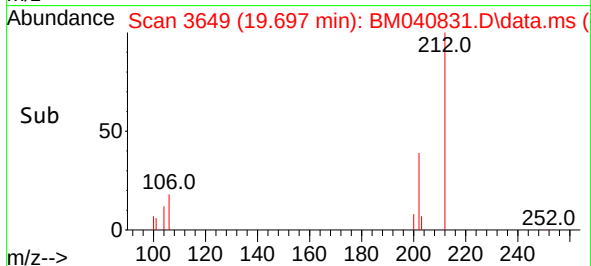
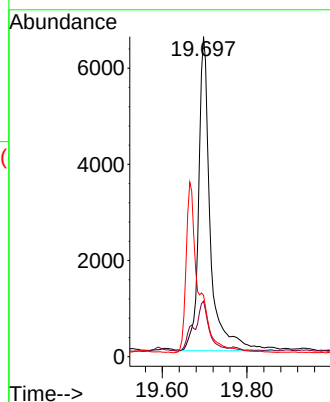
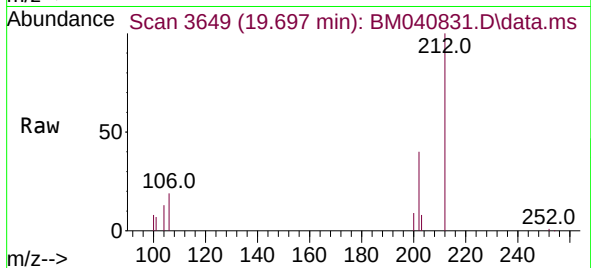
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 12629 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 17.3  | 12.6  | 18.8  |
| 100       | 19.2  | 9.8   | 14.6  |

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#21

Benzo(a)anthracene

Concen: 0.162 ng/ul

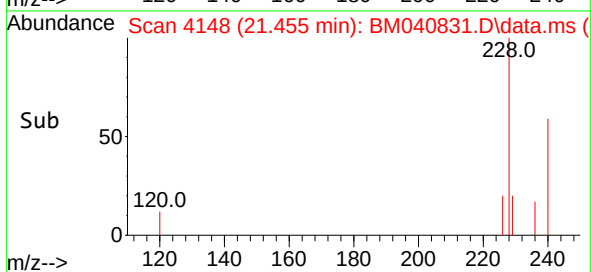
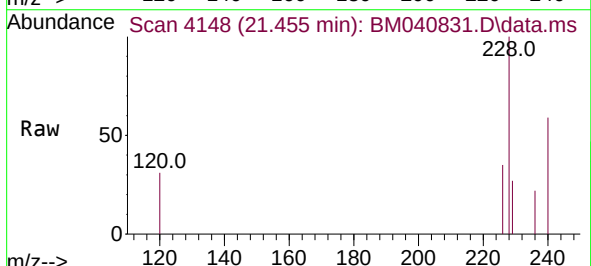
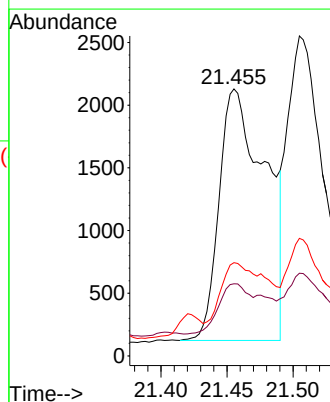
RT: 21.455 min Scan# 4148

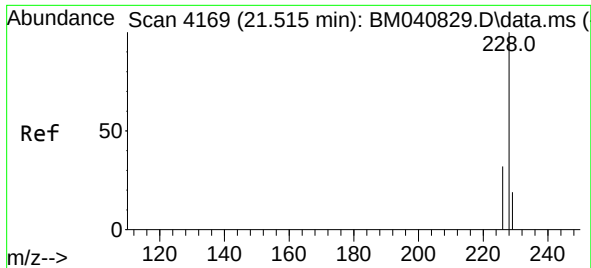
Delta R.T. -0.014 min

Lab File: BM040831.D

Acq: 12 Jul 2023 11:03

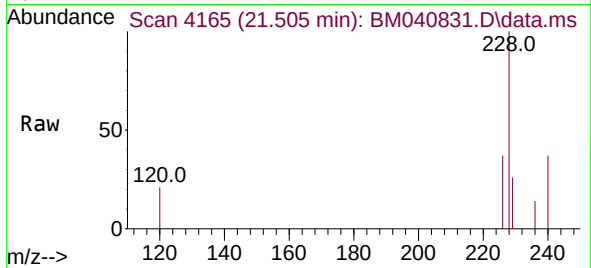
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 4885  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 27.0  | 16.0  | 24.0# |
| 226       | 34.9  | 22.3  | 33.5# |





#22  
Chrysene  
Concen: 0.138 ng/ul  
RT: 21.505 min Scan# 4165  
Delta R.T. -0.011 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

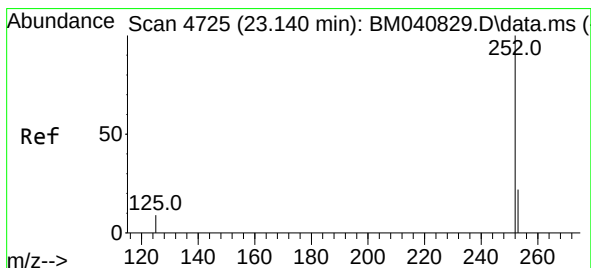
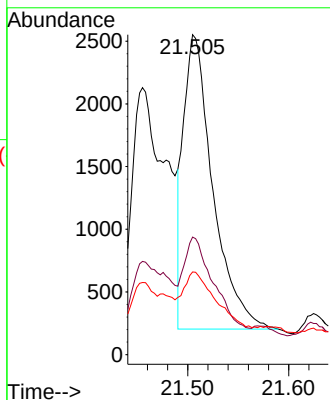
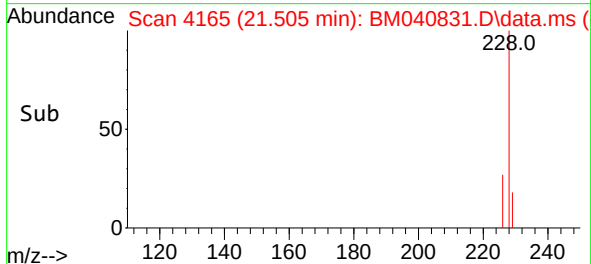
Instrument :  
BNA\_M  
ClientSampleId :  
A46G1



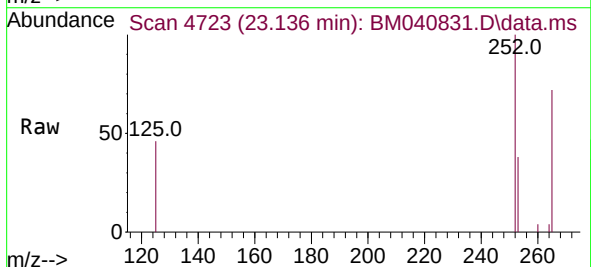
Tgt Ion:228 Resp: 4740  
Ion Ratio Lower Upper  
228 100  
226 36.7 24.9 37.3  
229 25.9 15.8 23.6

Manual Integrations  
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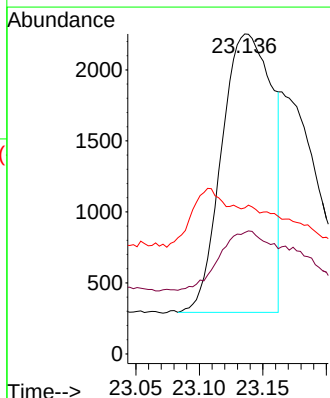
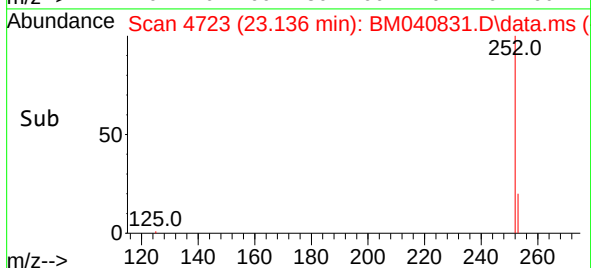
Reviewed By :Yogesh Patel 07/13/2023  
Supervised By :mohammad ahmed 07/13/2023

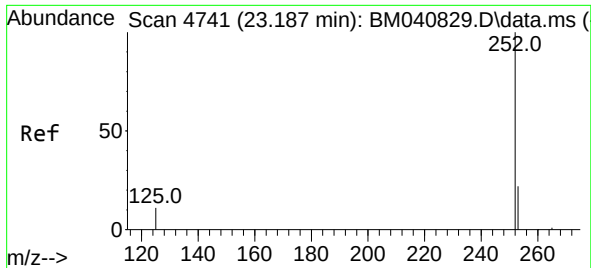


#24  
Benzo(b)fluoranthene  
Concen: 0.222 ng/ul  
RT: 23.136 min Scan# 4723  
Delta R.T. -0.008 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03



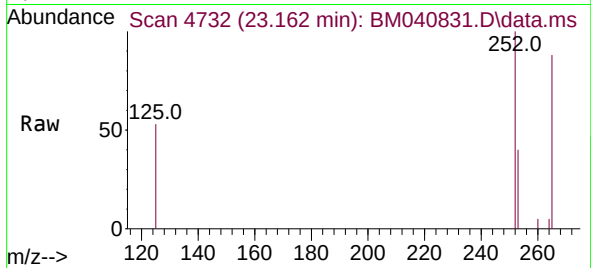
Tgt Ion:252 Resp: 5404  
Ion Ratio Lower Upper  
252 100  
253 37.9 0.0 52.8  
125 45.6 0.0 43.0





#25  
Benzo(k)fluoranthene  
Concen: 0.148 ng/ul m  
RT: 23.162 min Scan# 41  
Delta R.T. -0.028 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

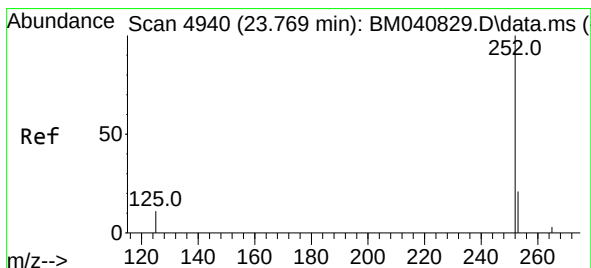
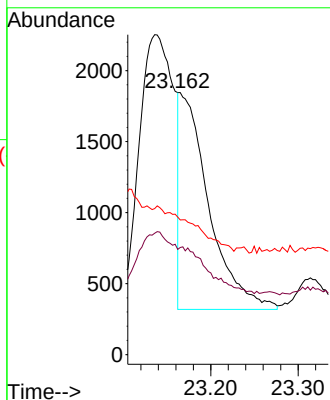
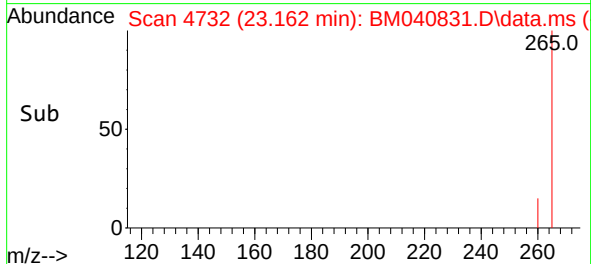
Instrument :  
BNA\_M  
ClientSampleId :  
A46G1



Tgt Ion:252 Resp: 356  
Ion Ratio Lower Upper  
252 100  
253 40.2 21.2 31.8  
125 52.5 16.4 24.6

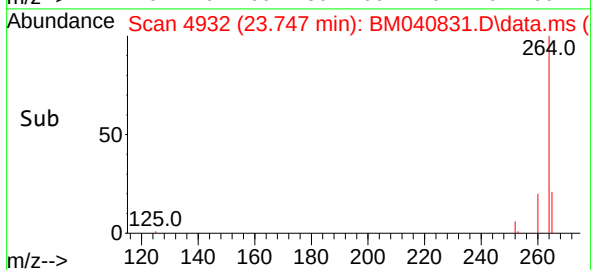
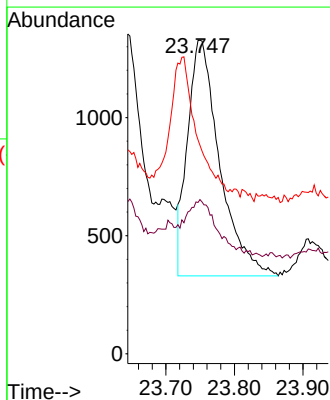
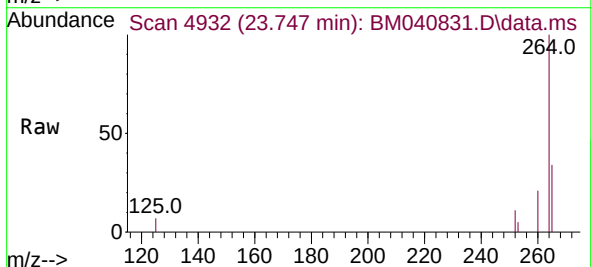
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/13/2023  
Supervised By :mohammad ahmed 07/13/2023

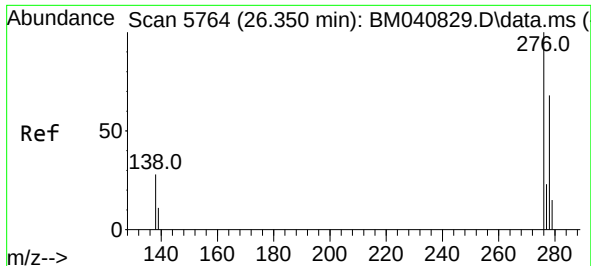


#26  
Benzo(a)pyrene  
Concen: 0.148 ng/ul  
RT: 23.747 min Scan# 4932  
Delta R.T. -0.025 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

Tgt Ion:252 Resp: 3247  
Ion Ratio Lower Upper  
252 100  
253 48.3 22.9 34.3#  
125 68.3 21.0 31.4#

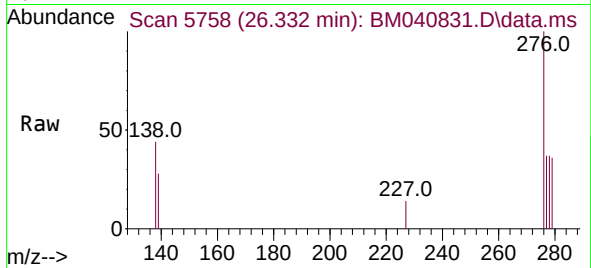






#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.085 ng/ul  
RT: 26.332 min Scan# 51  
Delta R.T. -0.032 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

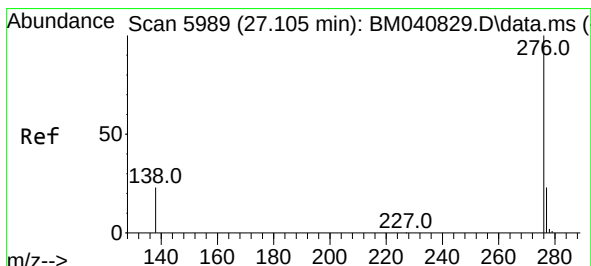
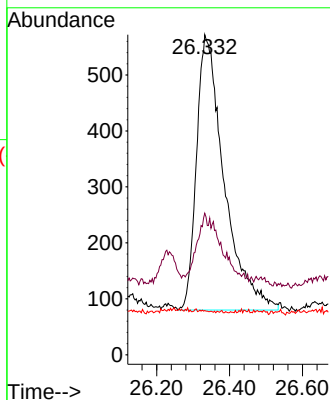
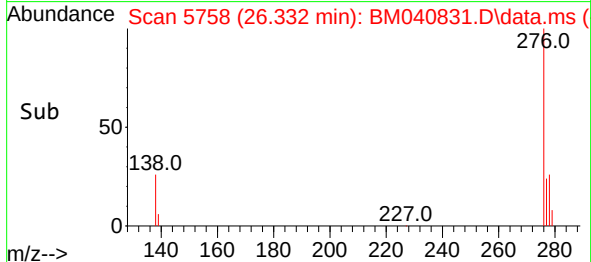
Instrument :  
BNA\_M  
ClientSampleId :  
A46G1



Tgt Ion:276 Resp: 258  
Ion Ratio Lower Upper  
276 100  
138 21.8 24.5 36.7  
227 0.4 0.1 0.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/13/2023  
Supervised By :mohammad ahmed 07/13/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.021 ng/ul  
RT: 27.090 min Scan# 5984  
Delta R.T. -0.022 min  
Lab File: BM040831.D  
Acq: 12 Jul 2023 11:03

Tgt Ion:276 Resp: 559  
Ion Ratio Lower Upper  
276 100  
138 83.7 23.0 34.6#  
277 62.8 20.3 30.5#

