

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
 Data File : BM046653.D  
 Acq On : 17 Jul 2024 04:04  
 Operator : MA/JU  
 Sample : P3100-01  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CD1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024  
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 17 04:34:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 08:57:27 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.497  | 152  | 2861     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.254 | 136  | 7758     | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.141 | 164  | 5314     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.892 | 188  | 12574m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.099 | 240  | 10597    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.238 | 264  | 10587m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.113  | 96   | 8993     | 3.826 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.855 | 152  | 3778     | 0.302 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.932 | 212  | 10161    | 0.315 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 16.934 | 178  | 2342     | 0.065 | ng/ul# | 92       |
| 19) Fluoranthene            | 18.965 | 202  | 6266     | 0.144 | ng/ul# | 96       |
| 20) Pyrene                  | 19.327 | 202  | 4886     | 0.104 | ng/ul# | 94       |
| 21) Benzo(a)anthracene      | 21.084 | 228  | 2320     | 0.049 | ng/ul  | 91       |
| 22) Chrysene                | 21.134 | 228  | 3122m    | 0.069 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.604 | 252  | 4444m    | 0.105 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.642 | 252  | 1593m    | 0.038 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.147 | 252  | 2072     | 0.060 | ng/ul# | 60       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.353 | 276  | 2094     | 0.040 | ng/ul# | 100      |
| 29) Benzo(g,h,i)perylene    | 25.997 | 276  | 2107     | 0.050 | ng/ul# | 71       |
| -----                       |        |      |          |       |        |          |

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

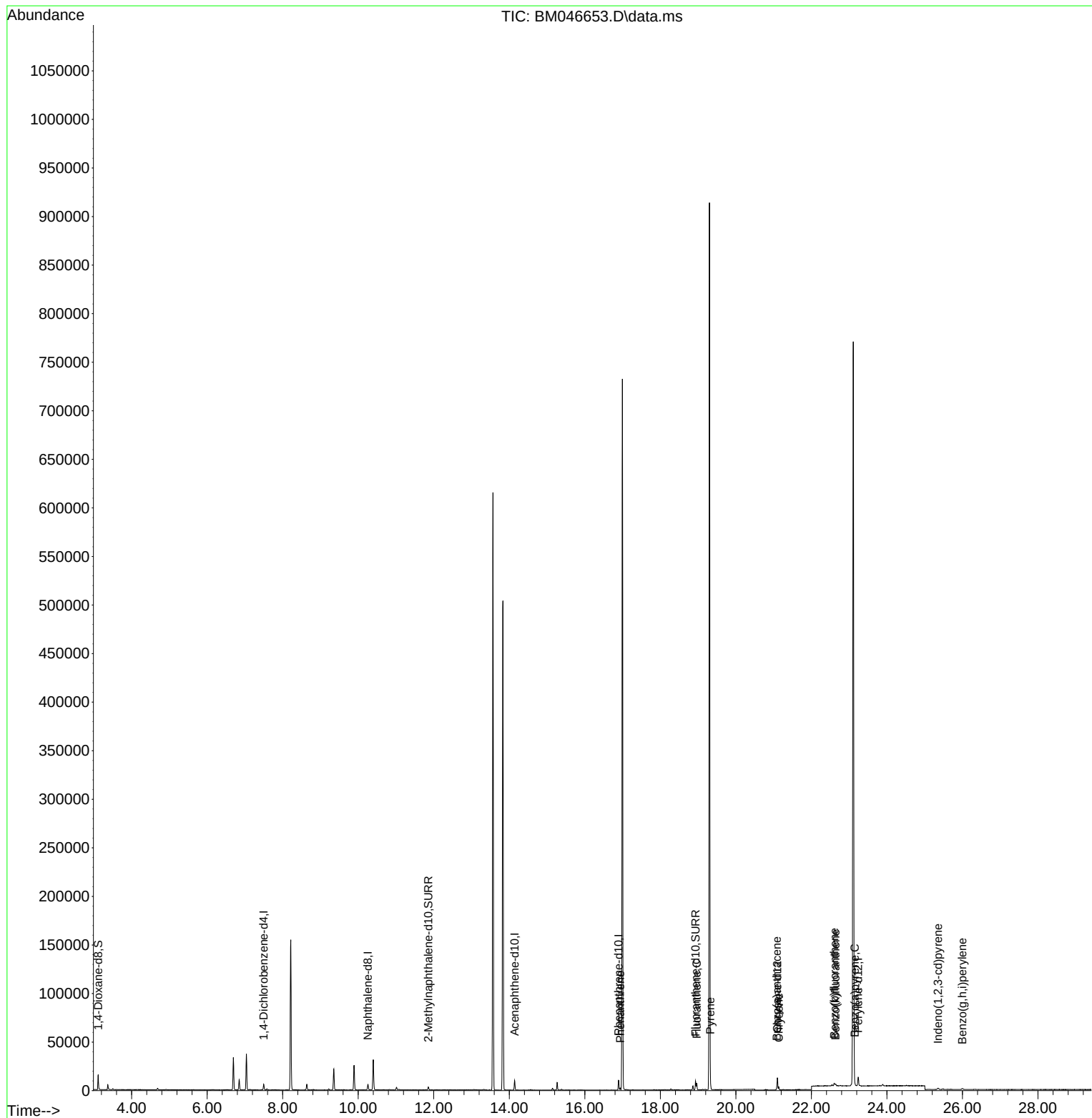
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046653.D  
Acq On : 17 Jul 2024 04:04  
Operator : MA/JU  
Sample : P3100-01  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

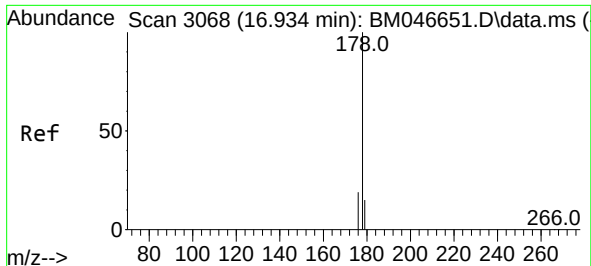
Instrument :  
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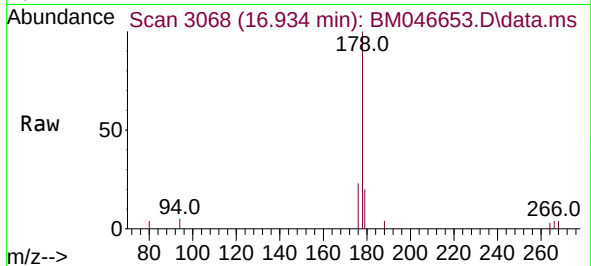
Quant Time: Jul 17 04:34:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 08:57:27 2024  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.065 ng/ul  
RT: 16.934 min Scan# 3068  
Delta R.T. -0.009 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04

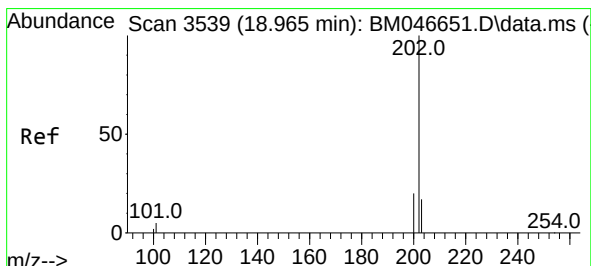
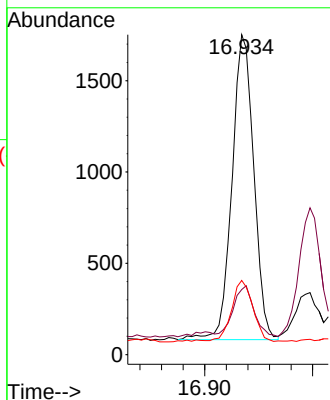
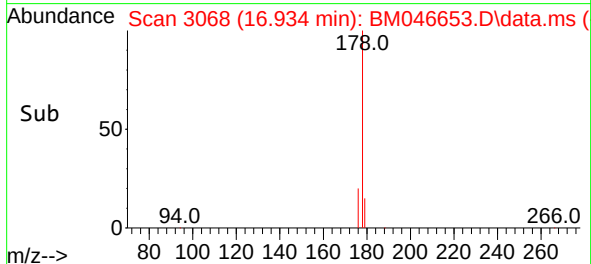
Instrument :  
BNA\_M  
ClientSampleId :  
A4CD1



Tgt Ion:178 Resp: 2342  
Ion Ratio Lower Upper  
178 100  
179 20.3 13.1 19.7#  
176 23.2 16.0 24.0#

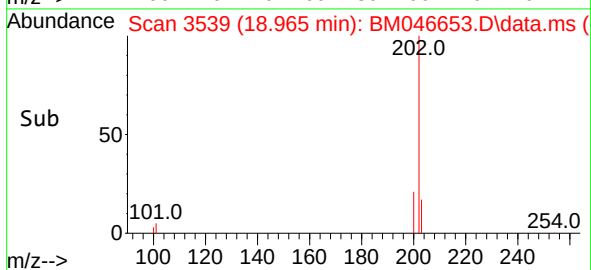
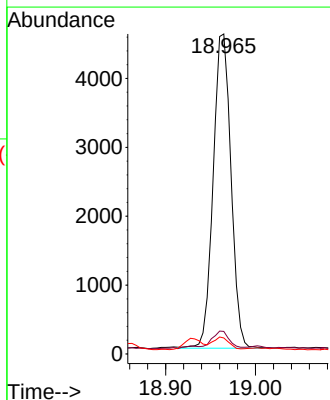
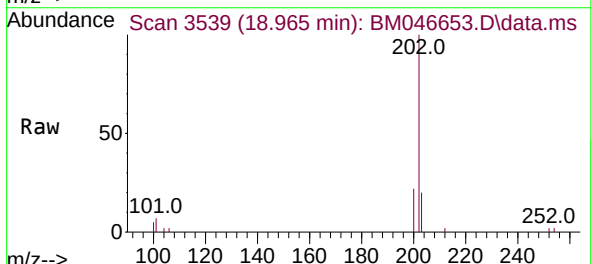
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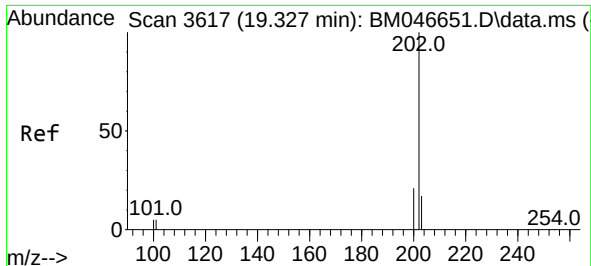
Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/18/2024



#19  
Fluoranthene  
Concen: 0.144 ng/ul  
RT: 18.965 min Scan# 3539  
Delta R.T. -0.005 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04

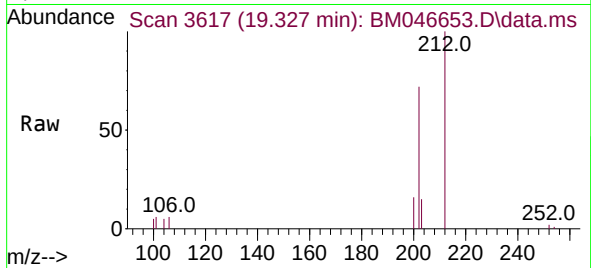
Tgt Ion:202 Resp: 6266  
Ion Ratio Lower Upper  
202 100  
101 7.0 4.6 6.8#  
100 5.0 3.0 4.6#





#20  
Pyrene  
Concen: 0.104 ng/ul  
RT: 19.327 min Scan# 30  
Delta R.T. -0.005 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04

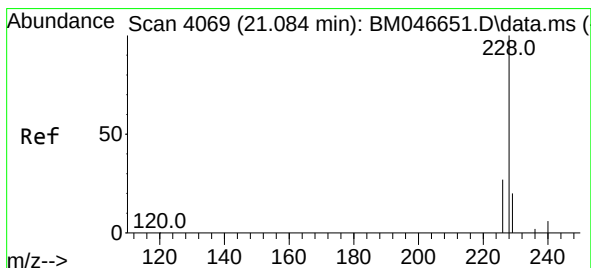
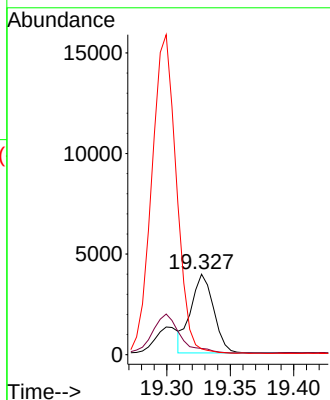
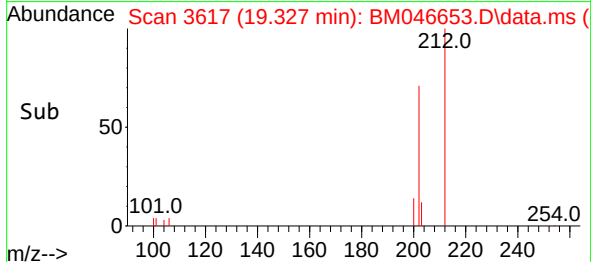
Instrument :  
BNA\_M  
ClientSampleId :  
A4CD1



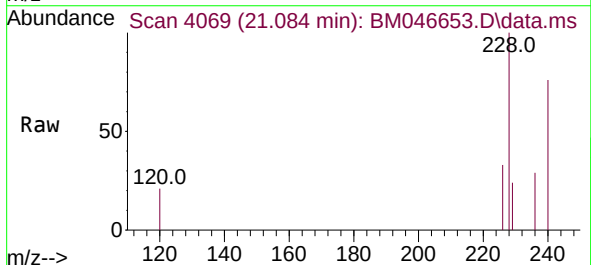
Tgt Ion:202 Resp: 4880  
Ion Ratio Lower Upper  
202 100  
101 7.7 5.1 7.7  
100 7.3 3.8 5.6

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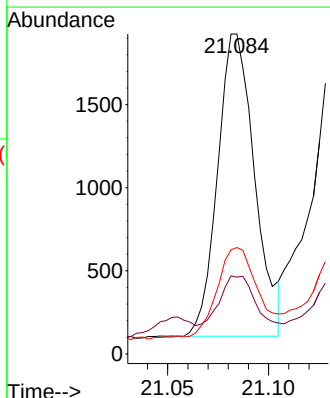
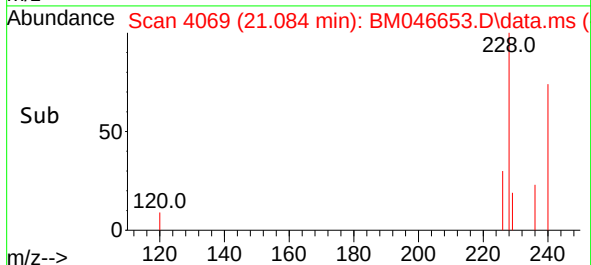
Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/18/2024

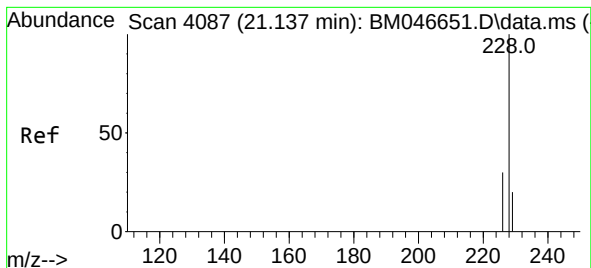


#21  
Benzo(a)anthracene  
Concen: 0.049 ng/ul  
RT: 21.084 min Scan# 4069  
Delta R.T. -0.003 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04



Tgt Ion:228 Resp: 2320  
Ion Ratio Lower Upper  
228 100  
229 24.0 16.5 24.7  
226 33.2 22.5 33.7





#22

Chrysene

Concen: 0.069 ng/ul m

RT: 21.134 min Scan# 4086

Delta R.T. -0.006 min

Lab File: BM046653.D

Acq: 17 Jul 2024 04:04

Instrument :

BNM

ClientSampleId :

A4CD1

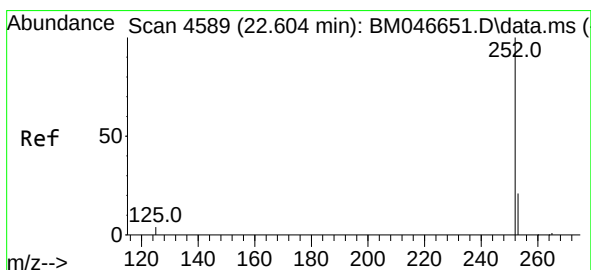
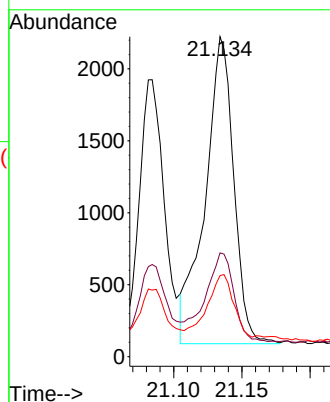
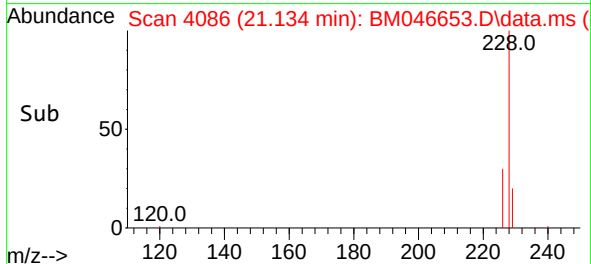
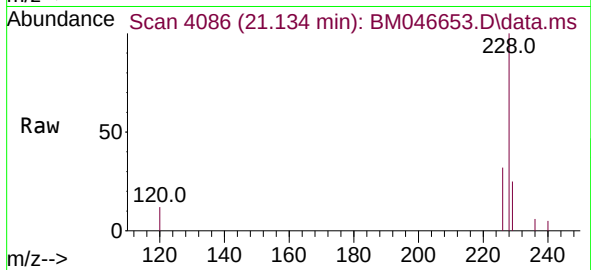
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 312  |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 32.4  | 24.3  | 36.5 |
| 229       | 25.4  | 16.4  | 24.6 |

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#24

Benzo(b)fluoranthene

Concen: 0.105 ng/ul m

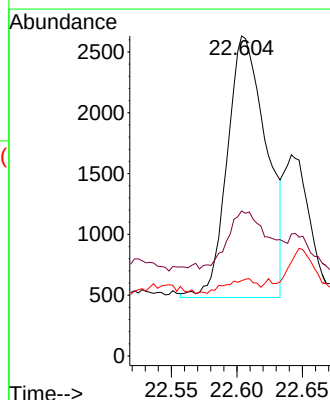
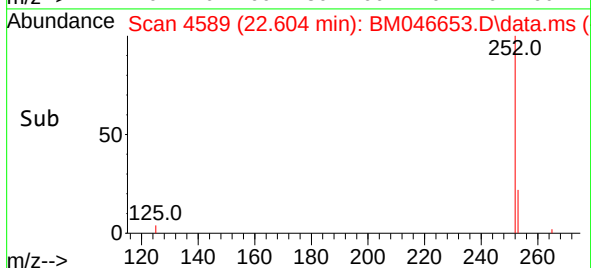
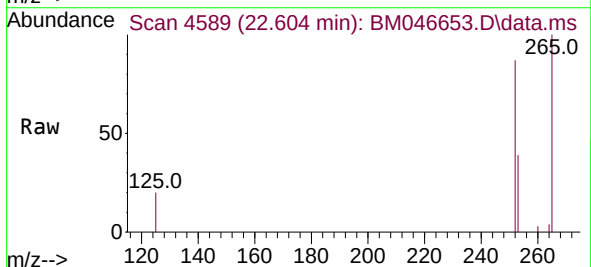
RT: 22.604 min Scan# 4589

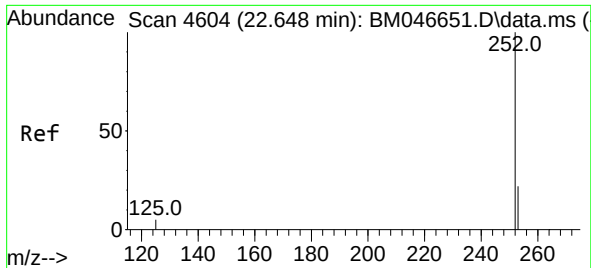
Delta R.T. -0.006 min

Lab File: BM046653.D

Acq: 17 Jul 2024 04:04

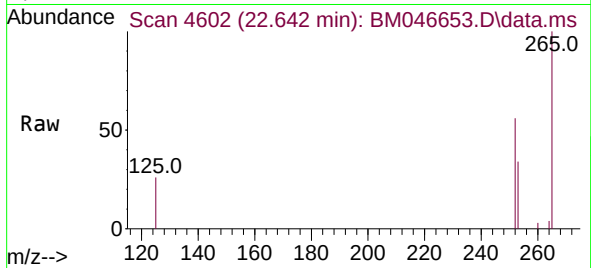
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 4444 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 45.3  | 0.0   | 56.2 |
| 125       | 23.5  | 0.0   | 17.8 |





#25  
Benzo(k)fluoranthene  
Concen: 0.038 ng/ul m  
RT: 22.642 min Scan# 4602  
Delta R.T. -0.009 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04

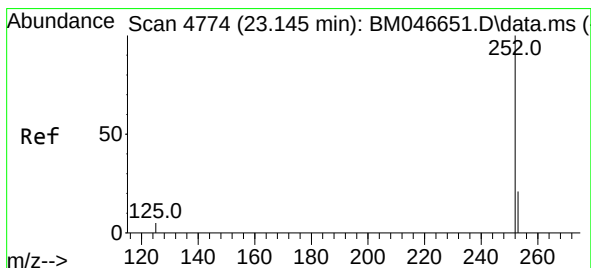
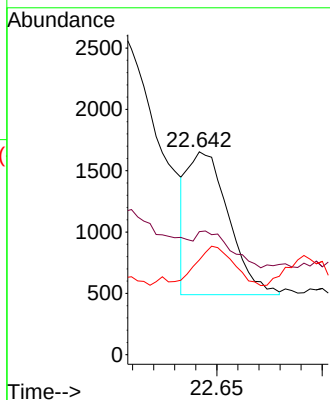
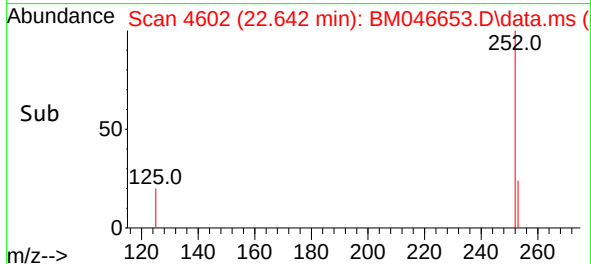
Instrument :  
BNA\_M  
ClientSampleId :  
A4CD1



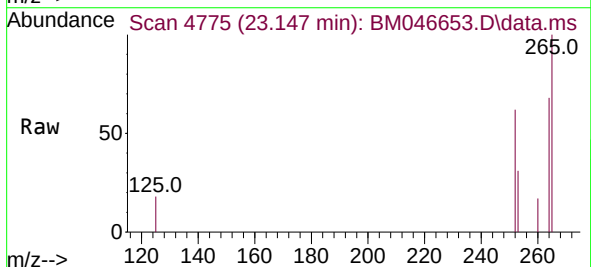
Tgt Ion:252 Resp: 1593  
Ion Ratio Lower Upper  
252 100  
253 60.6 22.4 33.6  
125 46.7 7.0 10.4

Manual Integrations  
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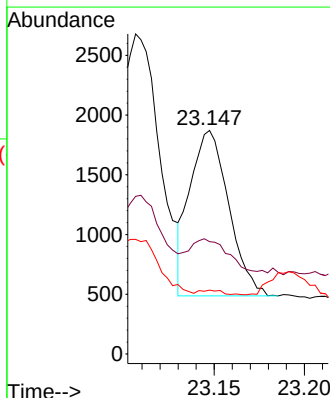
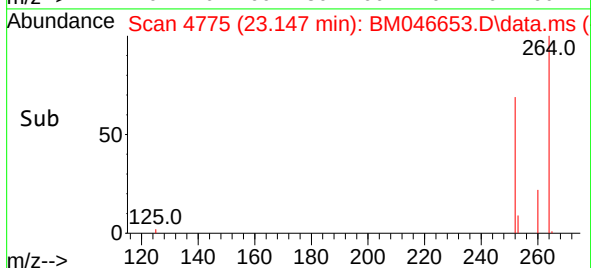
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Supervised By :mohammad ahmed 07/18/2024

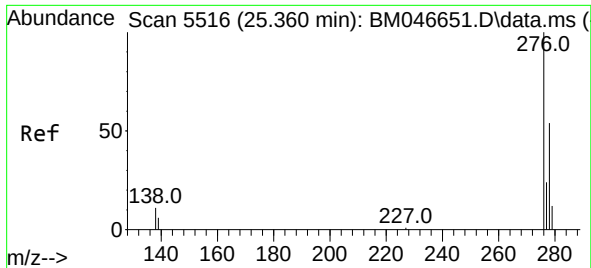


#26  
Benzo(a)pyrene  
Concen: 0.060 ng/ul  
RT: 23.147 min Scan# 4775  
Delta R.T. -0.003 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04



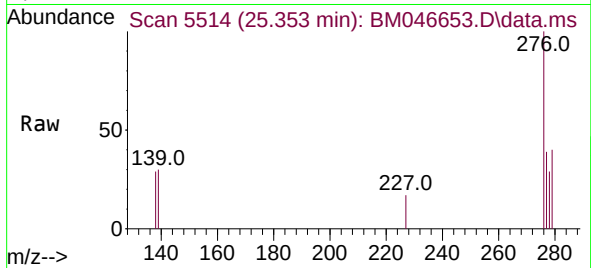
Tgt Ion:252 Resp: 2072  
Ion Ratio Lower Upper  
252 100  
253 50.2 24.0 36.0#  
125 28.6 8.2 12.2#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.040 ng/ul  
RT: 25.353 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04

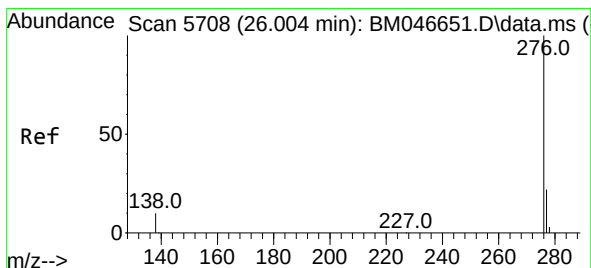
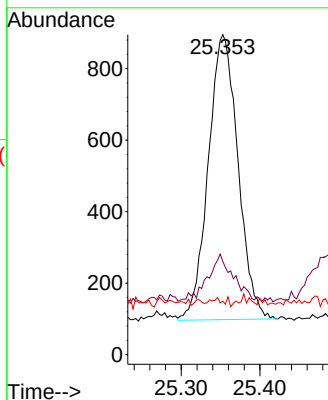
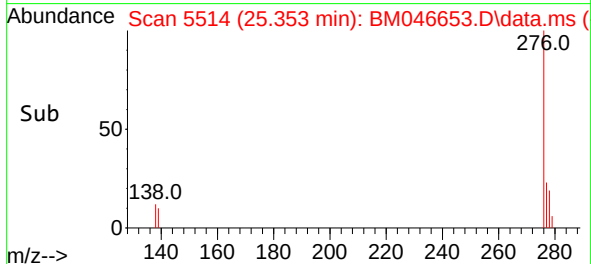
Instrument :  
BNA\_M  
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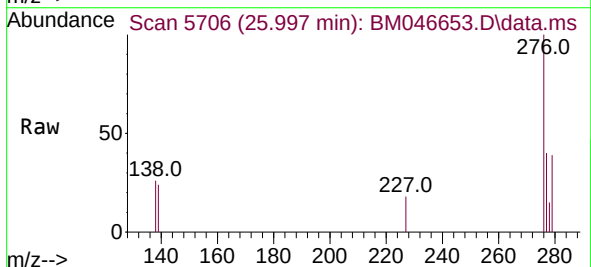
Tgt Ion:276 Resp: 2094  
Ion Ratio Lower Upper  
276 100  
138 15.2 0.0 0.0#  
227 0.7 0.2 0.2#

Manual Integrations  
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Supervised By :mohammad ahmed 07/18/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.050 ng/ul  
RT: 25.997 min Scan# 5706  
Delta R.T. -0.007 min  
Lab File: BM046653.D  
Acq: 17 Jul 2024 04:04



Tgt Ion:276 Resp: 2107  
Ion Ratio Lower Upper  
276 100  
138 25.6 10.2 15.4#  
277 39.7 20.9 31.3#

