

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046264.D  
 Acq On : 24 Jun 2024 21:46  
 Operator : MA/JU  
 Sample : P2776-19DL 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C72DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 02:27:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 02:25:34 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.417  | 152  | 2339     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.227 | 136  | 6648     | 0.400 | ng/ul  | -0.03    |
| 9) Acenaphthene-d10         | 14.067 | 164  | 3869     | 0.400 | ng/ul  | #-0.04   |
| 13) Phenanthrene-d10        | 16.816 | 188  | 7252     | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.008 | 240  | 5936     | 0.400 | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.092 | 264  | 7181m    | 0.400 | ng/ul  | -0.05    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.029  | 96   | 1759     | 0.548 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.860 | 152  | 401      | 0.045 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.844 | 212  | 854      | 0.048 | ng/ul  | -0.04    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 13.794 | 152  | 511      | 0.028 | ng/ul# | 52       |
| 15) Phenanthrene            | 16.858 | 178  | 2355     | 0.116 | ng/ul# | 91       |
| 16) Anthracene              | 16.951 | 178  | 615      | 0.041 | ng/ul# | 59       |
| 19) Fluoranthene            | 18.872 | 202  | 6642     | 0.258 | ng/ul  | 99       |
| 20) Pyrene                  | 19.230 | 202  | 5960     | 0.214 | ng/ul# | 94       |
| 21) Benzo(a)anthracene      | 20.994 | 228  | 3395     | 0.148 | ng/ul# | 85       |
| 22) Chrysene                | 21.043 | 228  | 3320     | 0.113 | ng/ul# | 88       |
| 24) Benzo(b)fluoranthene    | 22.481 | 252  | 5578m    | 0.216 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.516 | 252  | 2294m    | 0.075 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.004 | 252  | 2421     | 0.101 | ng/ul# | 56       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.145 | 276  | 2509     | 0.064 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 25.148 | 278  | 701      | 0.024 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 25.765 | 276  | 832      | 0.025 | ng/ul# | 13       |
| -----                       |        |      |          |       |        |          |

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

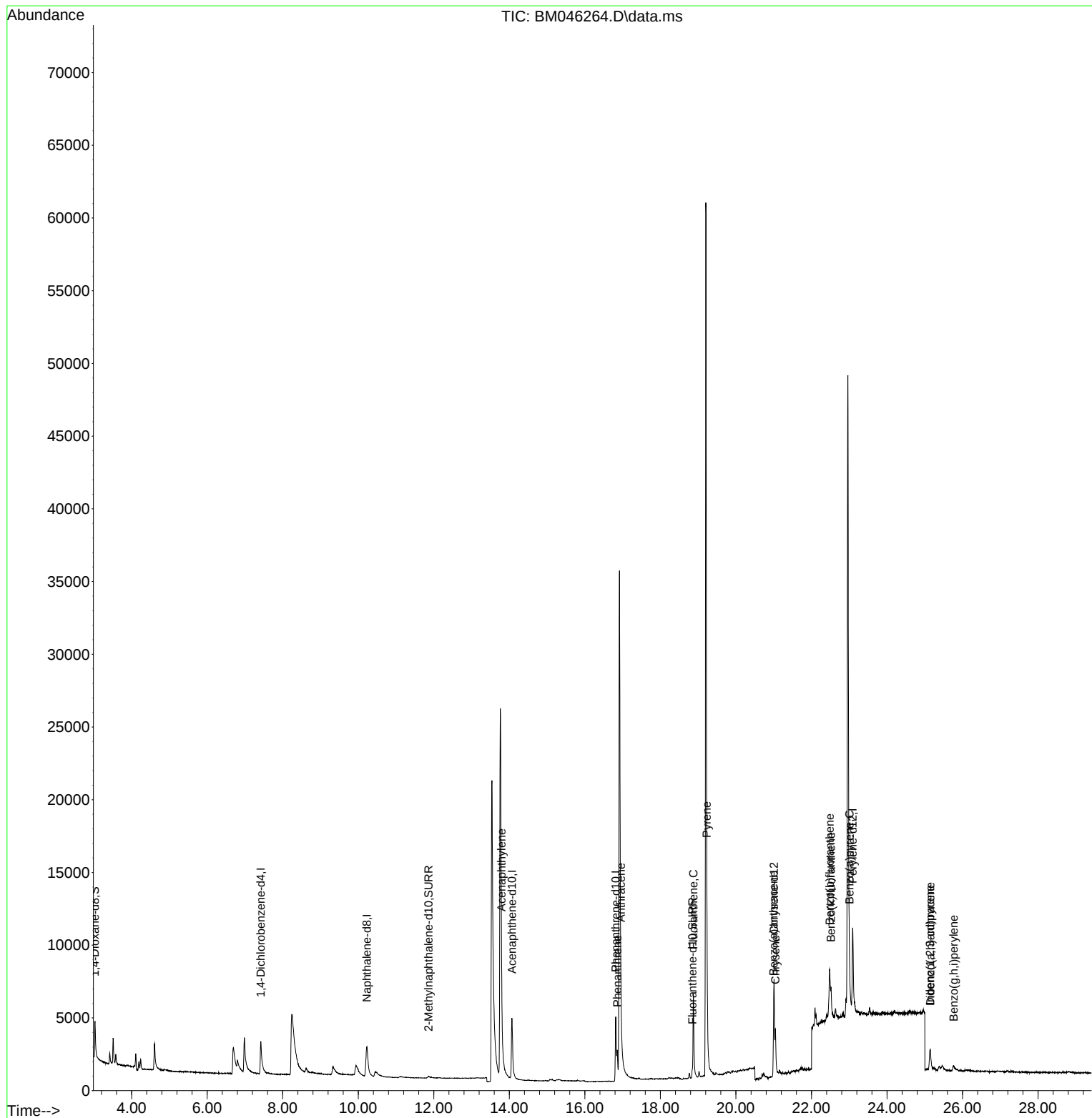
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046264.D  
Acq On : 24 Jun 2024 21:46  
Operator : MA/JU  
Sample : P2776-19DL 5X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

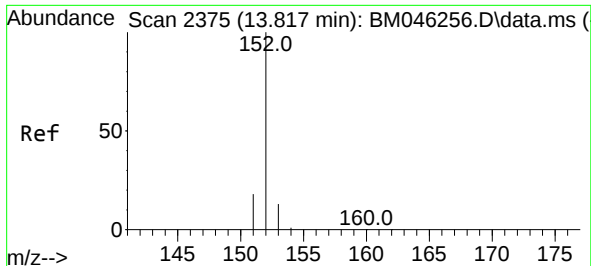
Instrument :  
BNA\_M  
ClientSampleId :  
A4C72DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024

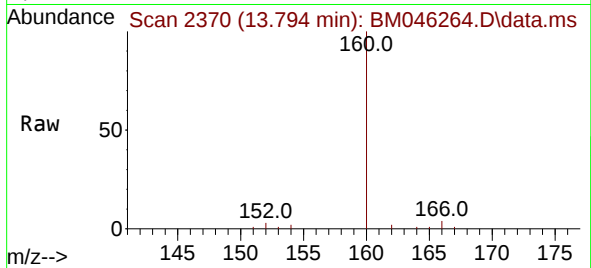
Quant Time: Jun 25 02:27:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 24 02:25:34 2024  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.028 ng/ul  
RT: 13.794 min Scan# 21  
Delta R.T. -0.040 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

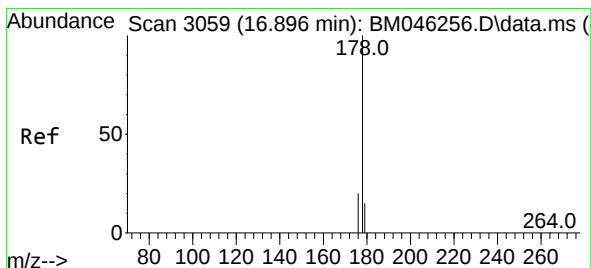
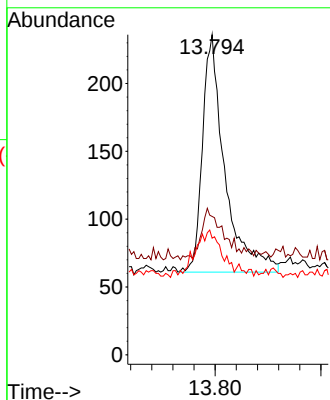
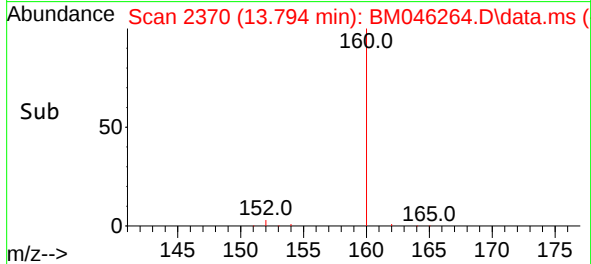
Instrument :  
BNA\_M  
ClientSampleId :  
A4C72DL



Tgt Ion:152 Resp: 51  
Ion Ratio Lower Upper  
152 100  
151 43.2 17.4 26.2  
153 36.4 11.8 17.8

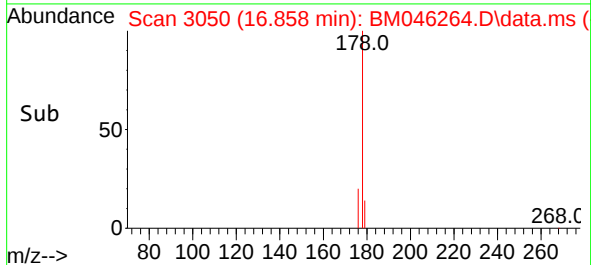
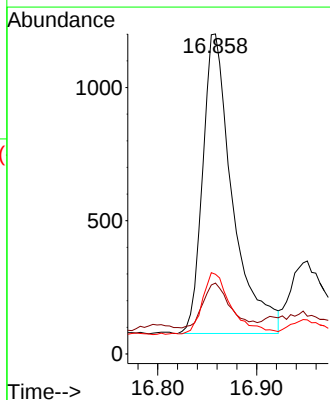
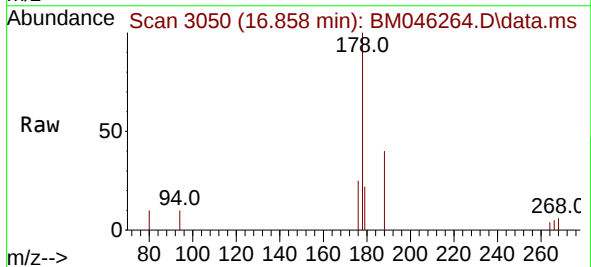
Manual Integrations  
APPROVED

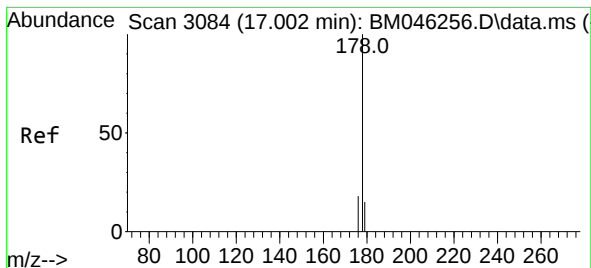
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#15  
Phenanthrene  
Concen: 0.116 ng/ul  
RT: 16.858 min Scan# 3050  
Delta R.T. -0.045 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

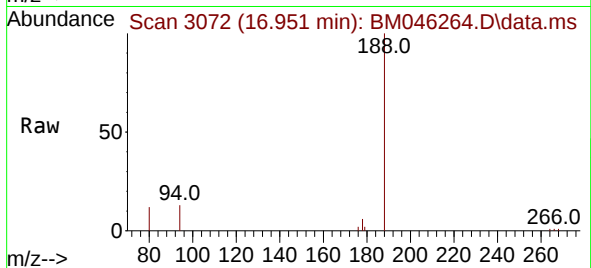
Tgt Ion:178 Resp: 2355  
Ion Ratio Lower Upper  
178 100  
179 22.1 14.2 21.2  
176 24.9 17.1 25.7





#16  
Anthracene  
Concen: 0.041 ng/ul  
RT: 16.951 min Scan# 3084  
Delta R.T. -0.054 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

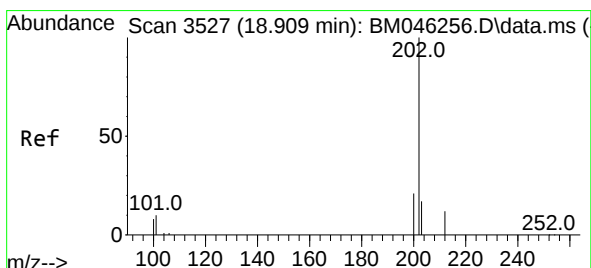
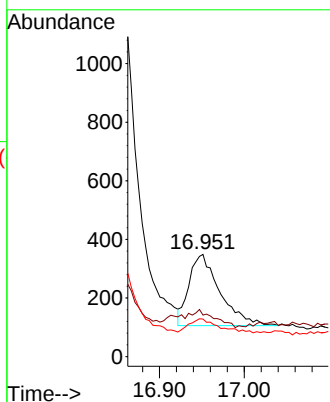
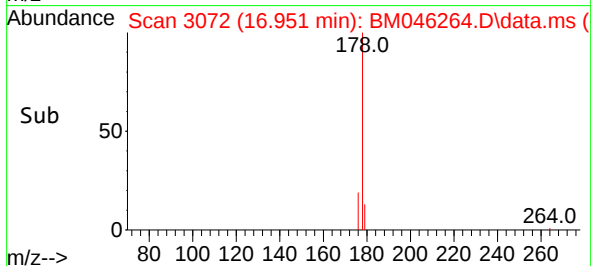
Instrument :  
BNA\_M  
ClientSampleId :  
A4C72DL



Tgt Ion:178 Resp: 615  
Ion Ratio Lower Upper  
178 100  
179 40.7 14.9 22.3  
176 36.7 17.0 25.4

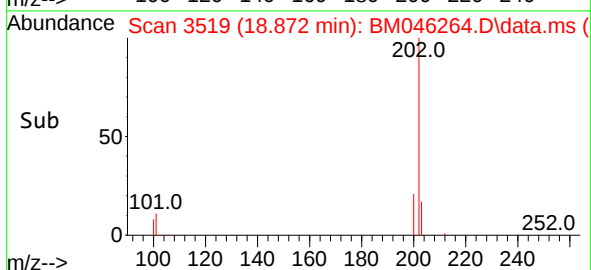
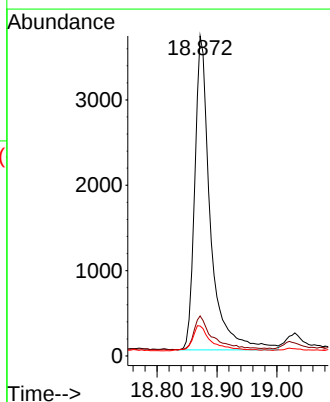
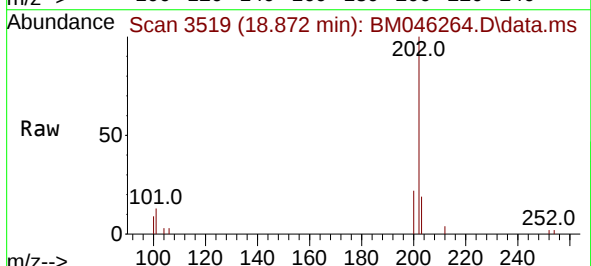
Manual Integrations  
APPROVED

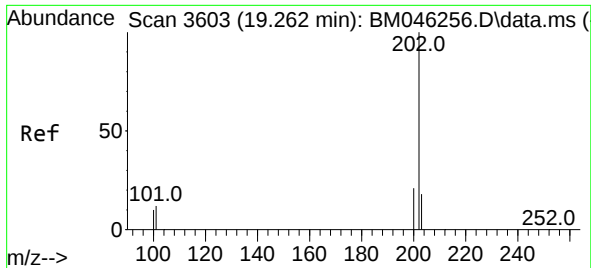
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#19  
Fluoranthene  
Concen: 0.258 ng/ul  
RT: 18.872 min Scan# 3519  
Delta R.T. -0.045 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

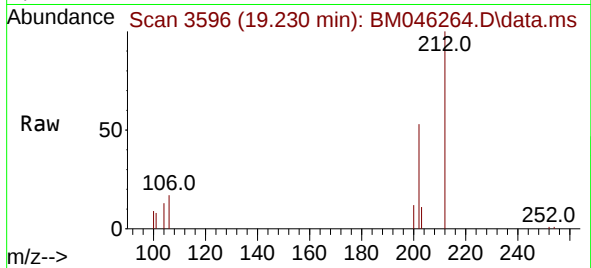
Tgt Ion:202 Resp: 6642  
Ion Ratio Lower Upper  
202 100  
101 12.5 9.6 14.4  
100 9.4 7.6 11.4





#20  
Pyrene  
Concen: 0.214 ng/ul  
RT: 19.230 min Scan# 3596  
Delta R.T. -0.045 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

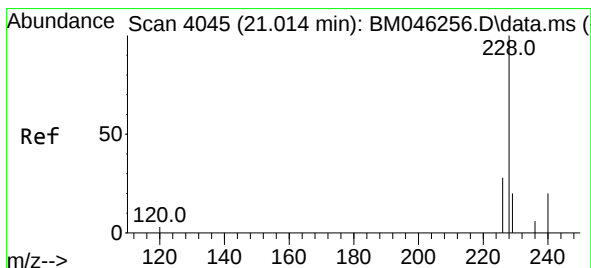
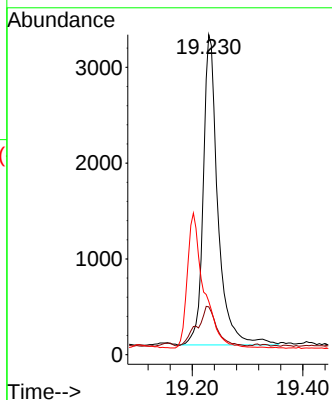
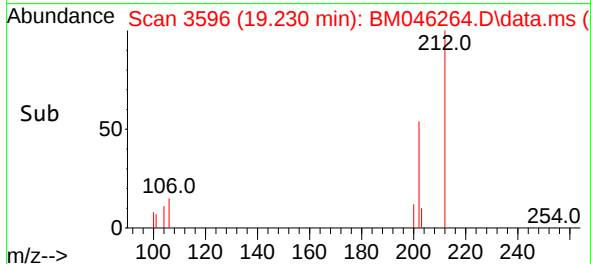
Instrument :  
BNA\_M  
ClientSampleId :  
A4C72DL



Tgt Ion:202 Resp: 5960  
Ion Ratio Lower Upper  
202 100  
101 15.0 11.3 16.9  
100 16.7 9.8 14.6

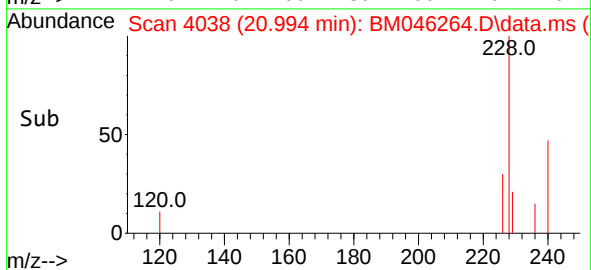
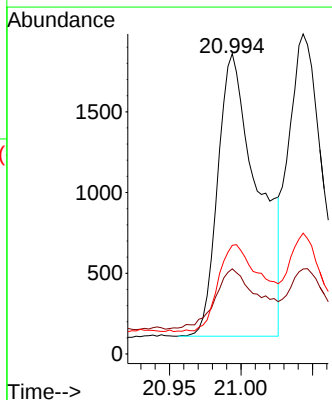
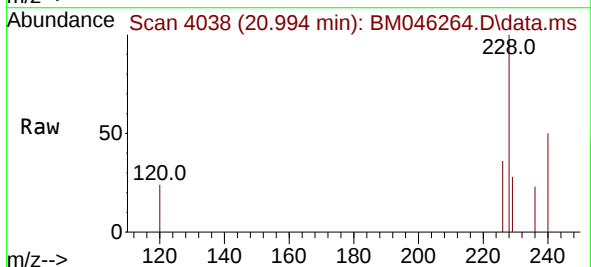
Manual Integrations  
APPROVED

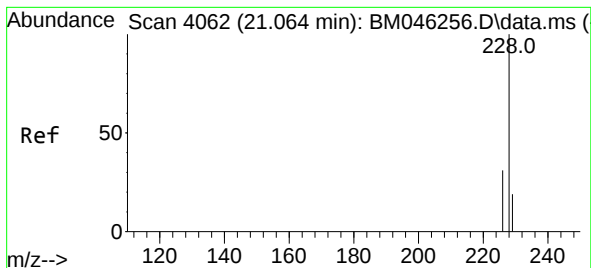
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#21  
Benzo(a)anthracene  
Concen: 0.148 ng/ul  
RT: 20.994 min Scan# 4038  
Delta R.T. -0.035 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

Tgt Ion:228 Resp: 3395  
Ion Ratio Lower Upper  
228 100  
229 28.4 16.4 24.6#  
226 36.2 23.4 35.2#





#22

Chrysene

Concen: 0.113 ng/ul

RT: 21.043 min Scan# 4062

Delta R.T. -0.033 min

Lab File: BM046264.D

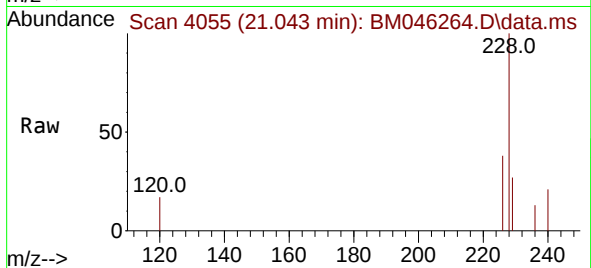
Acq: 24 Jun 2024 21:46

Instrument :

BNA\_M

ClientSampleId :

A4C72DL



Tgt Ion:228 Resp: 3320

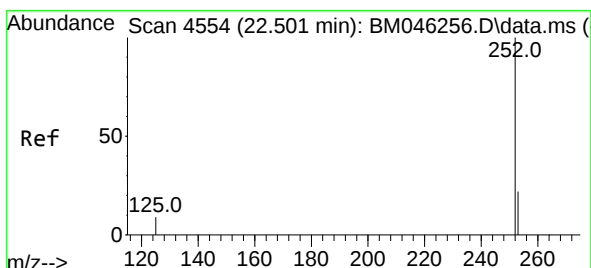
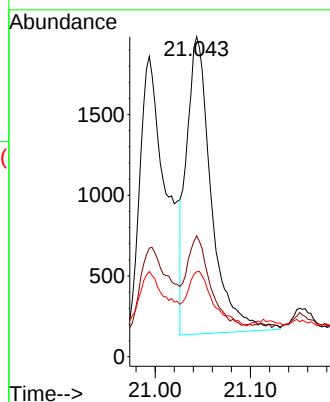
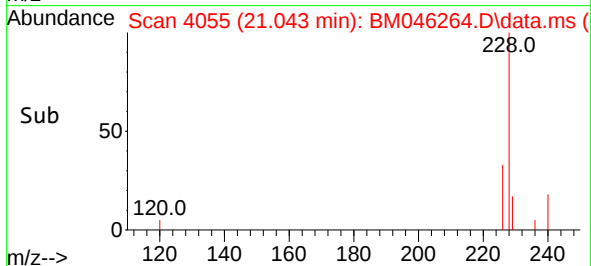
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 37.8  | 25.2  | 37.8  |
| 229 | 26.6  | 16.3  | 24.5  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/27/2024



#24

Benzo(b)fluoranthene

Concen: 0.216 ng/ul m

RT: 22.481 min Scan# 4547

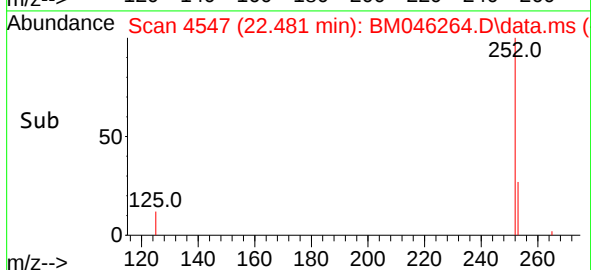
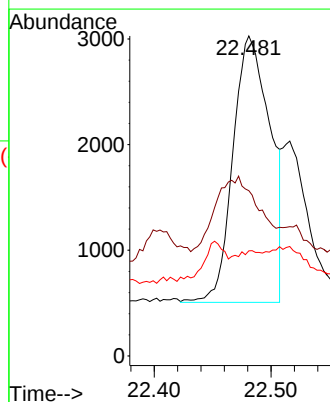
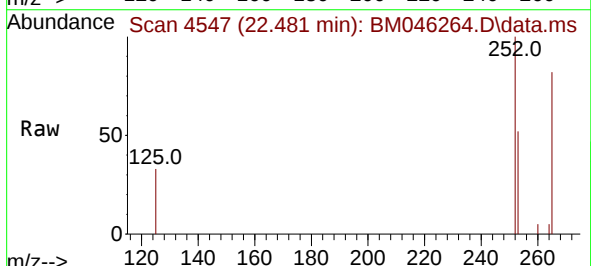
Delta R.T. -0.038 min

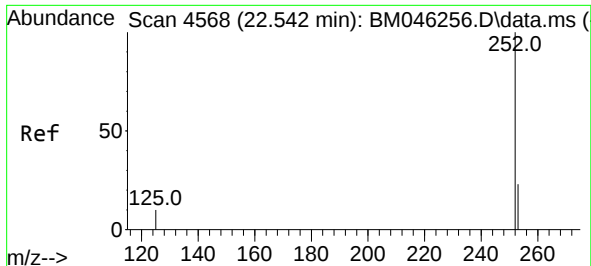
Lab File: BM046264.D

Acq: 24 Jun 2024 21:46

Tgt Ion:252 Resp: 5578

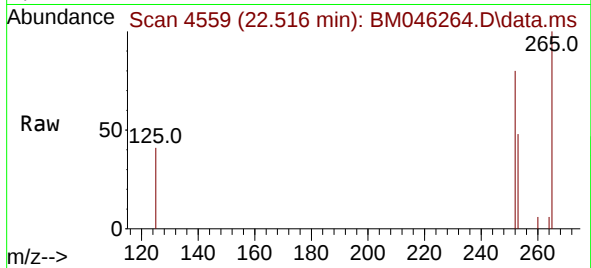
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 51.7  | 0.0   | 65.8  |
| 125 | 32.8  | 0.0   | 40.2  |





#25  
Benzo(k)fluoranthene  
Concen: 0.075 ng/ul m  
RT: 22.516 min Scan# 4559  
Delta R.T. -0.047 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

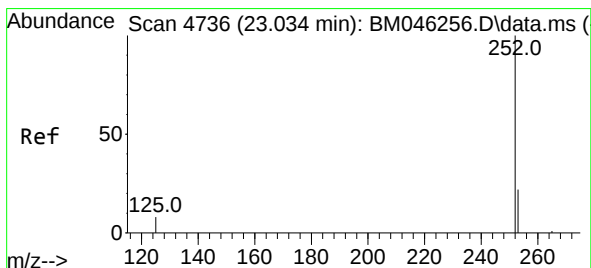
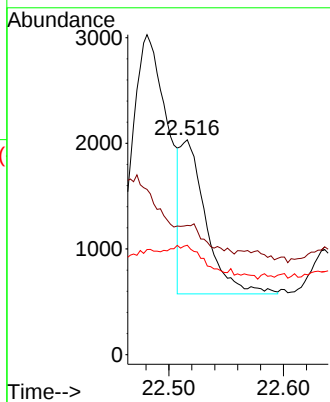
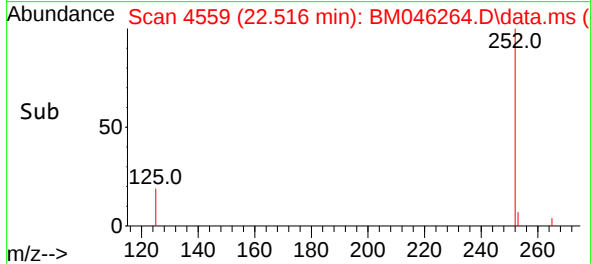
Instrument :  
BNA\_M  
ClientSampleId :  
A4C72DL



Tgt Ion:252 Resp: 2294  
Ion Ratio Lower Upper  
252 100  
253 60.2 27.2 40.8  
125 50.9 16.6 25.0

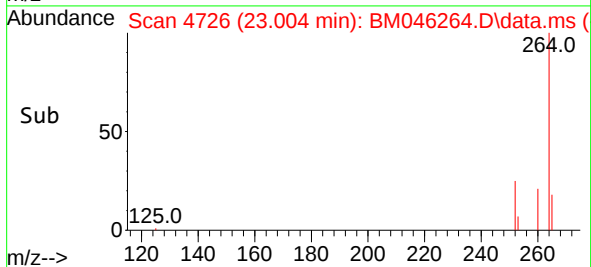
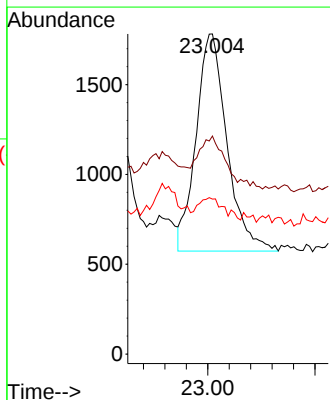
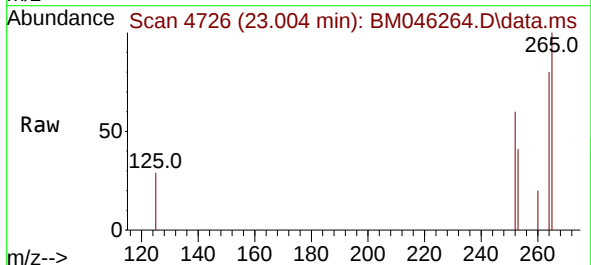
Manual Integrations  
APPROVED

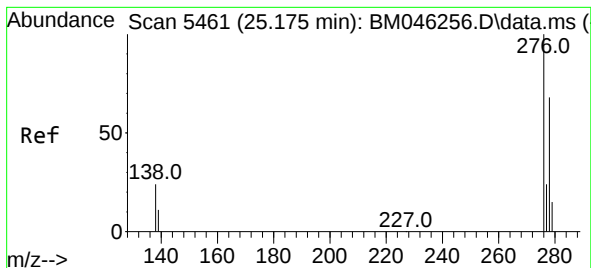
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#26  
Benzo(a)pyrene  
Concen: 0.101 ng/ul  
RT: 23.004 min Scan# 4726  
Delta R.T. -0.050 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

Tgt Ion:252 Resp: 2421  
Ion Ratio Lower Upper  
252 100  
253 68.1 32.1 48.1#  
125 48.4 21.2 31.8#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.064 ng/ul

RT: 25.145 min Scan# 5452

Delta R.T. -0.057 min

Lab File: BM046264.D

Acq: 24 Jun 2024 21:46

Instrument :

BNA\_M

ClientSampleId :

A4C72DL

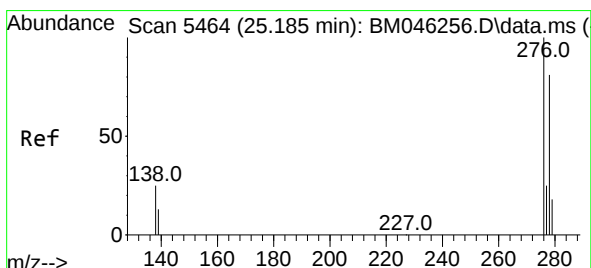
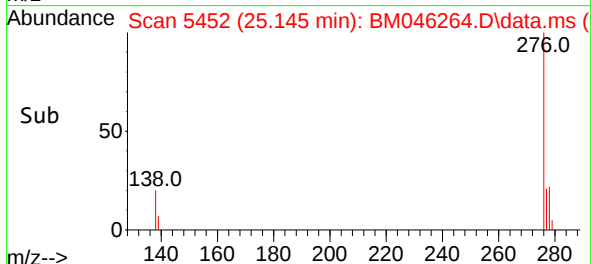
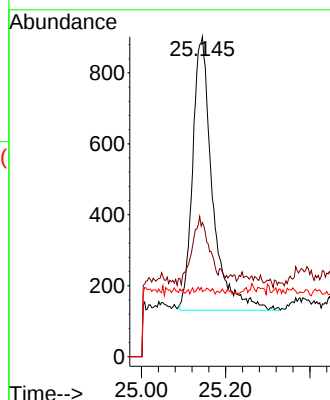
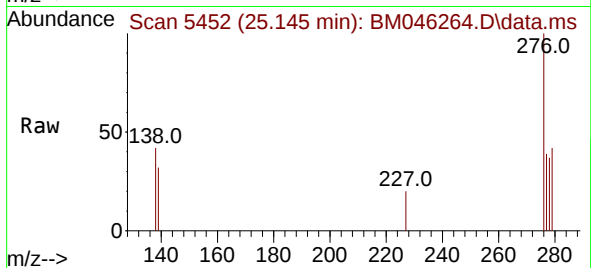
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 2509  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 31.9  | 21.0  | 31.4# |
| 227       | 0.0   | 0.0   | 0.0   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/27/2024



#28

Dibenzo(a,h)anthracene

Concen: 0.024 ng/ul

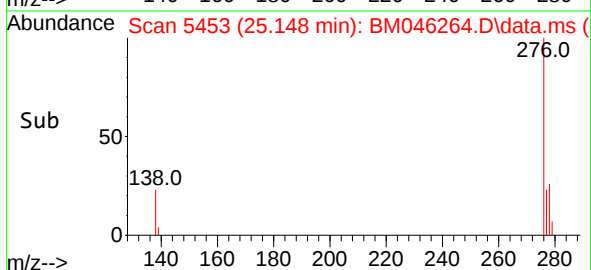
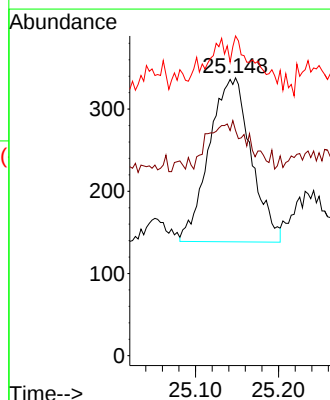
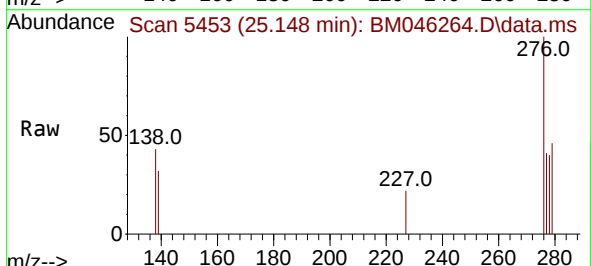
RT: 25.148 min Scan# 5453

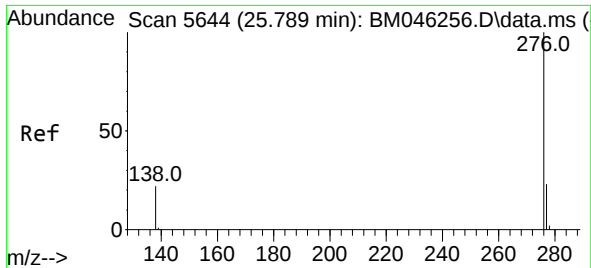
Delta R.T. -0.068 min

Lab File: BM046264.D

Acq: 24 Jun 2024 21:46

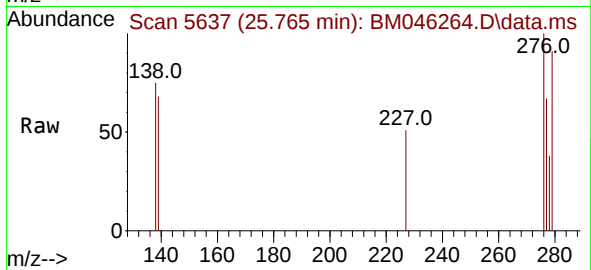
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 701   |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 81.1  | 17.6  | 26.4# |
| 279       | 115.1 | 26.3  | 39.5# |





#29  
Benzo(g,h,i)perylene  
Concen: 0.025 ng/ul  
RT: 25.765 min Scan# 50  
Delta R.T. -0.064 min  
Lab File: BM046264.D  
Acq: 24 Jun 2024 21:46

Instrument :  
BNA\_M  
ClientSampleId :  
A4C72DL



Tgt Ion: 276 Resp: 832  
Ion Ratio Lower Upper  
276 100  
138 75.1 21.7 32.5  
277 66.9 20.4 30.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024

