

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
 Data File : BM046199.D  
 Acq On : 22 Jun 2024 15:52  
 Operator : MA/JU  
 Sample : P2775-20  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4D54

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 22 16:39:56 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 : Sat Jun 22 02:10:56 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.413  | 152  | 2169     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.189 | 136  | 6428     | 0.400 | ng/ul  | -0.06    |
| 9) Acenaphthene-d10         | 14.063 | 164  | 3635     | 0.400 | ng/ul  | #-0.05   |
| 13) Phenanthrene-d10        | 16.808 | 188  | 8095m    | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.006 | 240  | 6295m    | 0.400 | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.098 | 264  | 7108m    | 0.400 | ng/ul  | -0.04    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.025  | 96   | 8627     | 2.899 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.817 | 152  | 1904     | 0.221 | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.840 | 212  | 5102     | 0.271 | ng/ul  | -0.05    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.233 | 128  | 3035     | 0.169 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 11.888 | 142  | 890      | 0.088 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.102 | 142  | 812      | 0.073 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.781 | 152  | 7326     | 0.425 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.123 | 153  | 4039     | 0.324 | ng/ul  | 99       |
| 12) Fluorene                | 15.122 | 166  | 5280     | 0.395 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.846 | 178  | 104516m  | 4.596 | ng/ul  |          |
| 16) Anthracene              | 16.939 | 178  | 22723m   | 1.342 | ng/ul  |          |
| 19) Fluoranthene            | 18.867 | 202  | 211497   | 7.760 | ng/ul  | 96       |
| 20) Pyrene                  | 19.230 | 202  | 154820   | 5.252 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 20.991 | 228  | 95320    | 3.920 | ng/ul  | 99       |
| 22) Chrysene                | 21.041 | 228  | 85447    | 2.754 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.481 | 252  | 122660m  | 4.790 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.519 | 252  | 48887m   | 1.606 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.007 | 252  | 55599    | 2.343 | ng/ul# | 77       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.142 | 276  | 52368    | 1.348 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 25.145 | 278  | 14924    | 0.516 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 25.765 | 276  | 8070     | 0.242 | ng/ul# | 91       |

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

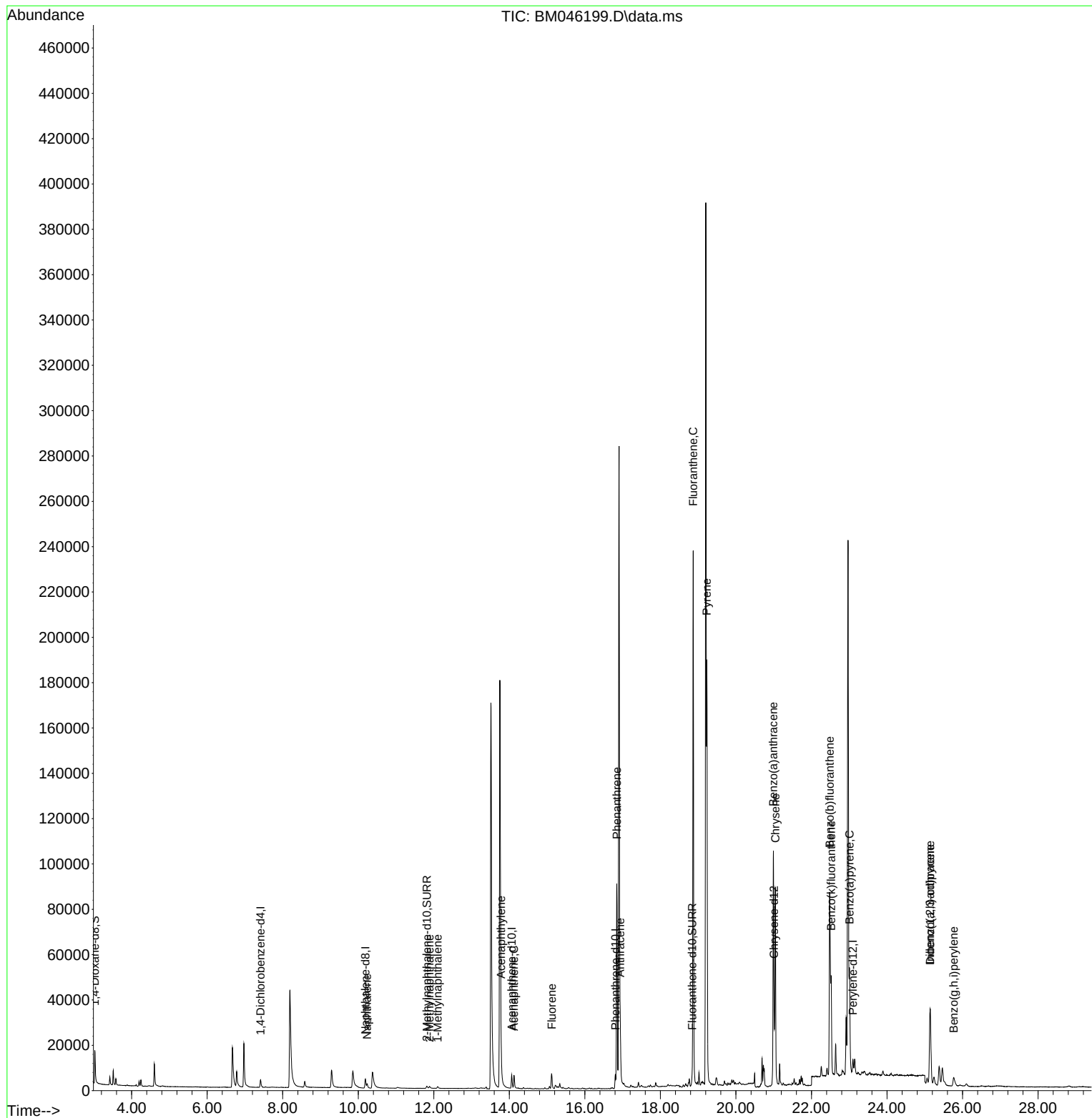
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
Data File : BM046199.D  
Acq On : 22 Jun 2024 15:52  
Operator : MA/JU  
Sample : P2775-20  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

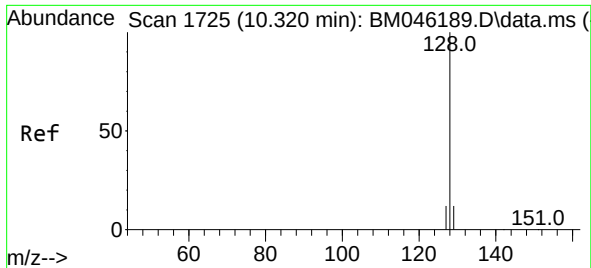
Instrument :  
BNA\_M  
ClientSampleId :  
A4D54

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

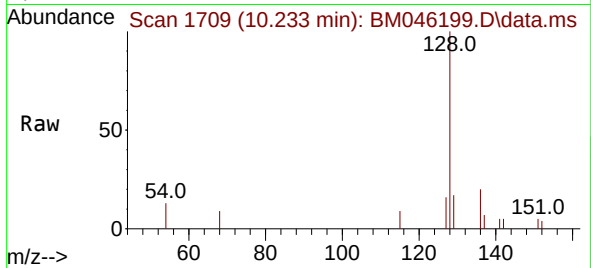
Quant Time: Jun 22 16:39:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 22 02:10:56 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.169 ng/ul  
RT: 10.233 min Scan# 1725  
Delta R.T. -0.070 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

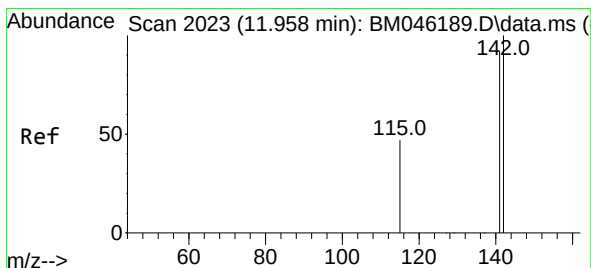
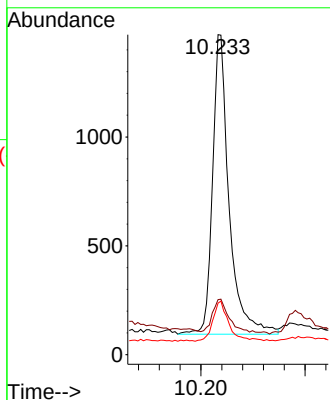
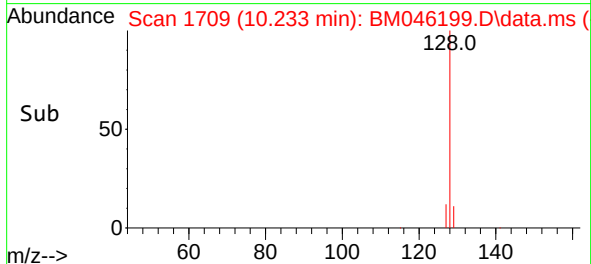
Instrument :  
BNA\_M  
ClientSampleId :  
A4D54



Tgt Ion:128 Resp: 3035  
Ion Ratio Lower Upper  
128 100  
129 17.2 11.8 17.6  
127 16.1 12.8 19.2

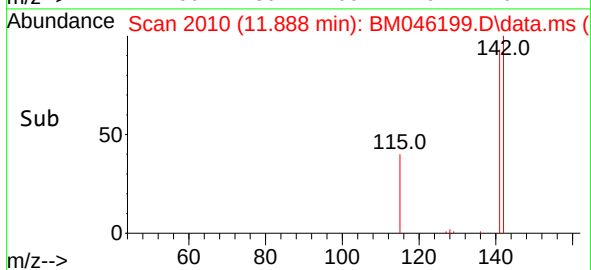
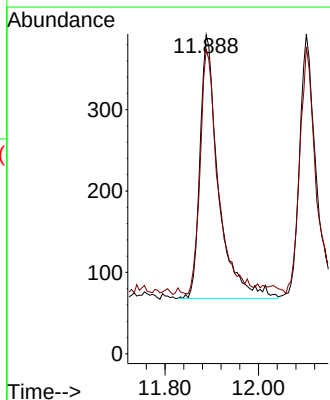
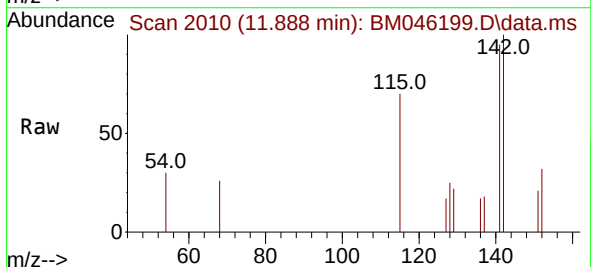
Manual Integrations  
APPROVED

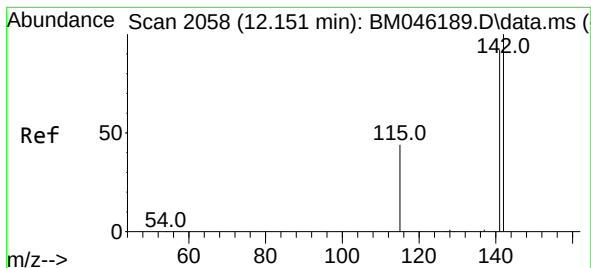
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#7  
2-Methylnaphthalene  
Concen: 0.088 ng/ul  
RT: 11.888 min Scan# 2010  
Delta R.T. -0.059 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

Tgt Ion:142 Resp: 890  
Ion Ratio Lower Upper  
142 100  
141 89.3 74.6 111.8





#8

1-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 12.102 min Scan# 2049

Delta R.T. -0.048 min

Lab File: BM046199.D

Acq: 22 Jun 2024 15:52

Instrument :

BNA\_M

ClientSampleId :

A4D54

Tgt Ion:142 Resp: 812

Ion Ratio Lower Upper

142 100

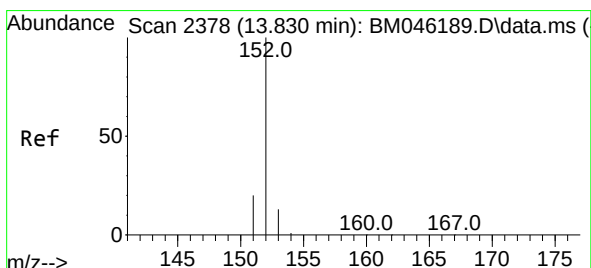
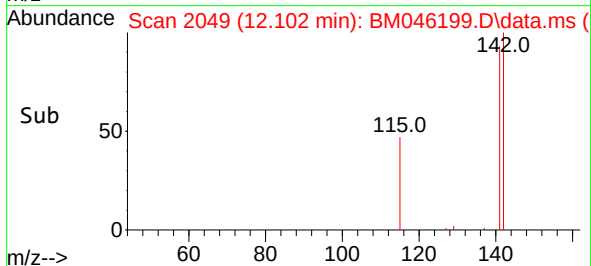
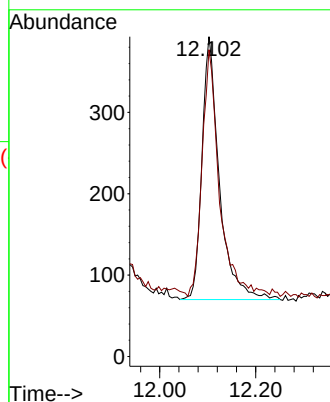
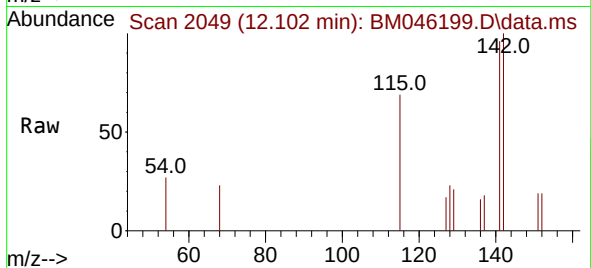
141 93.5 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :Jagrut Upadhyay 06/24/2024



#10

Acenaphthylene

Concen: 0.425 ng/ul

RT: 13.781 min Scan# 2367

Delta R.T. -0.054 min

Lab File: BM046199.D

Acq: 22 Jun 2024 15:52

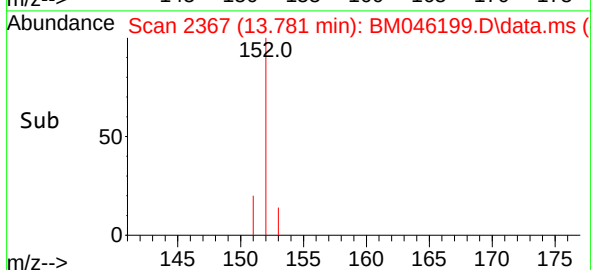
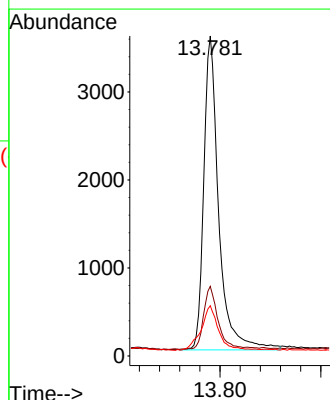
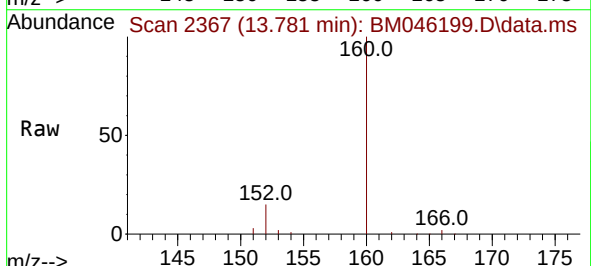
Tgt Ion:152 Resp: 7326

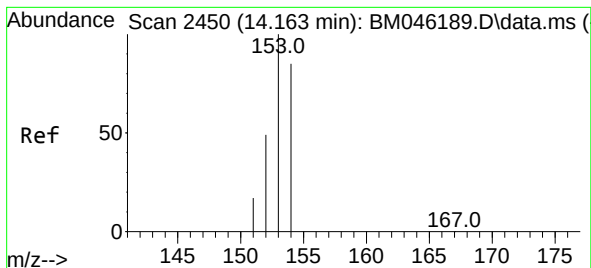
Ion Ratio Lower Upper

152 100

151 21.8 17.4 26.2

153 15.7 11.8 17.8





#11

Acenaphthene

Concen: 0.324 ng/ul

RT: 14.123 min Scan# 2450

Delta R.T. -0.049 min

Lab File: BM046199.D

Acq: 22 Jun 2024 15:52

Instrument :

BNA\_M

ClientSampleId :

A4D54

Tgt Ion:153 Resp: 4039

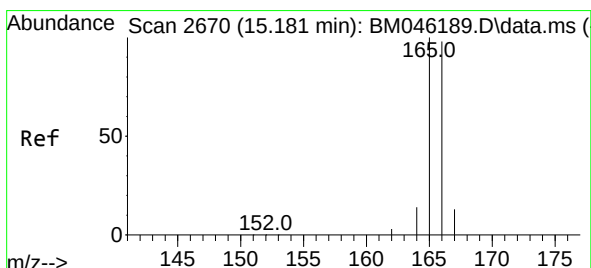
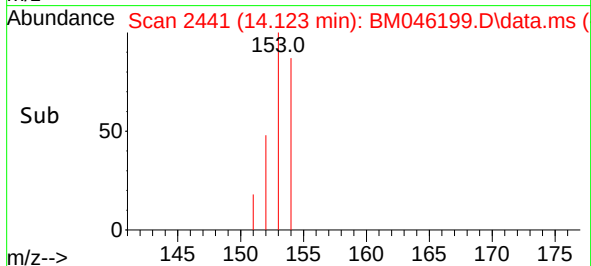
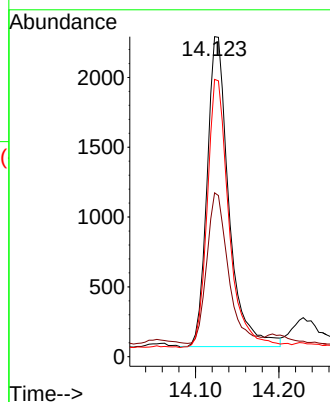
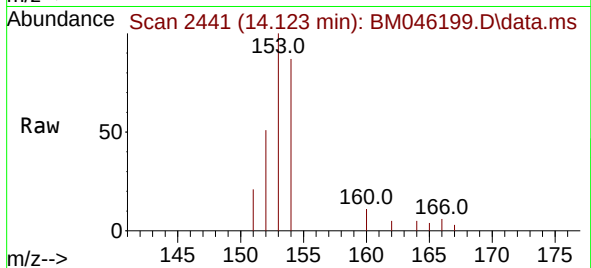
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 51.2  | 41.3  | 61.9  |
| 154 | 86.6  | 68.2  | 102.4 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :Jagrut Upadhyay 06/24/2024



#12

Fluorene

Concen: 0.395 ng/ul

RT: 15.122 min Scan# 2657

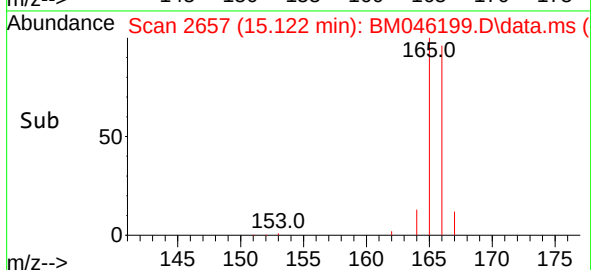
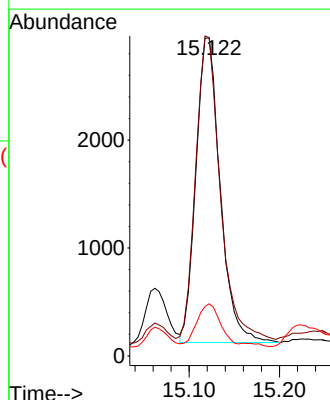
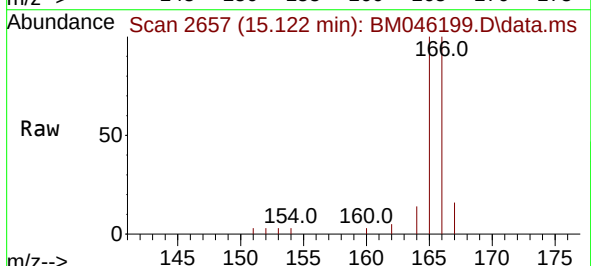
Delta R.T. -0.059 min

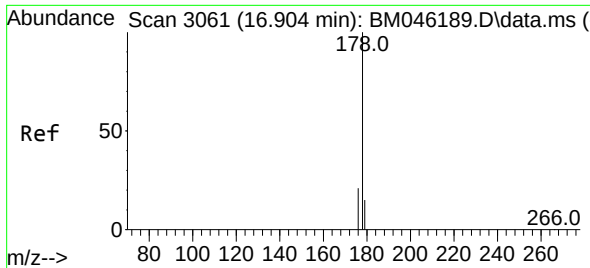
Lab File: BM046199.D

Acq: 22 Jun 2024 15:52

Tgt Ion:166 Resp: 5280

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 100.1 | 80.4  | 120.6 |
| 167 | 16.4  | 12.4  | 18.6  |





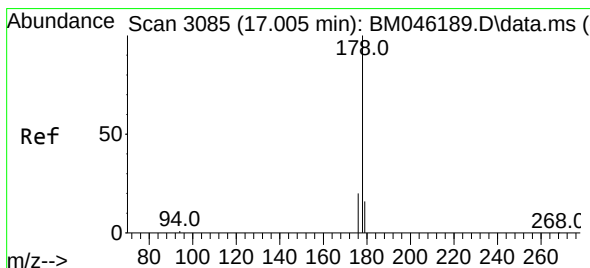
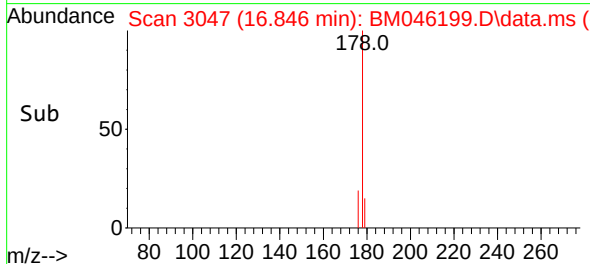
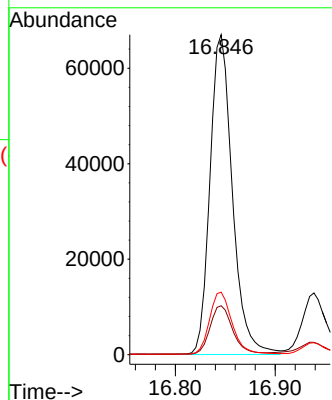
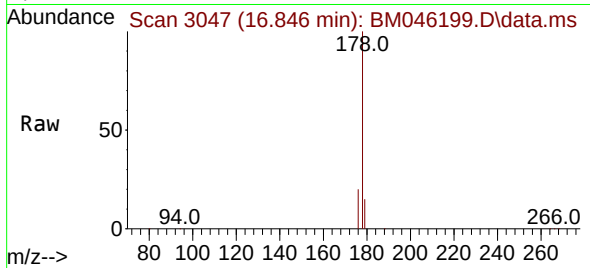
#15  
Phenanthrene  
Concen: 4.596 ng/ul m  
RT: 16.846 min Scan# 3061  
Delta R.T. -0.058 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

Instrument :  
BNA\_M  
ClientSampleId :  
A4D54

Tgt Ion:178 Resp: 104510  
Ion Ratio Lower Upper  
178 100  
179 15.3 14.2 21.2  
176 19.6 17.1 25.7

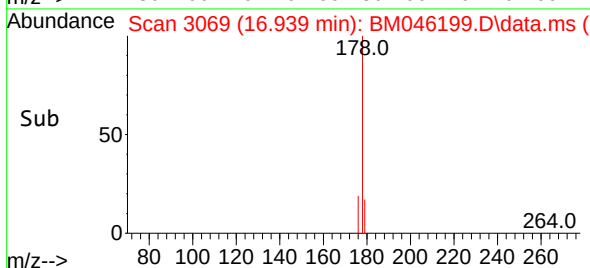
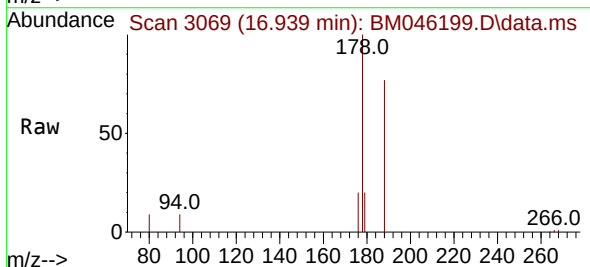
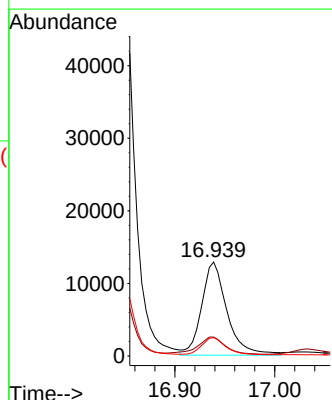
Manual Integrations  
APPROVED

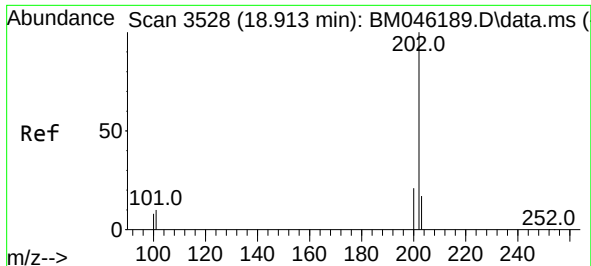
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#16  
Anthracene  
Concen: 1.342 ng/ul m  
RT: 16.939 min Scan# 3069  
Delta R.T. -0.066 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

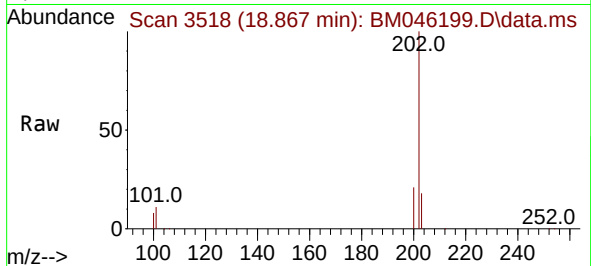
Tgt Ion:178 Resp: 22723  
Ion Ratio Lower Upper  
178 100  
179 20.1 14.9 22.3  
176 19.5 17.0 25.4





#19  
Fluoranthene  
Concen: 7.760 ng/ul  
RT: 18.867 min Scan# 3518  
Delta R.T. -0.050 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

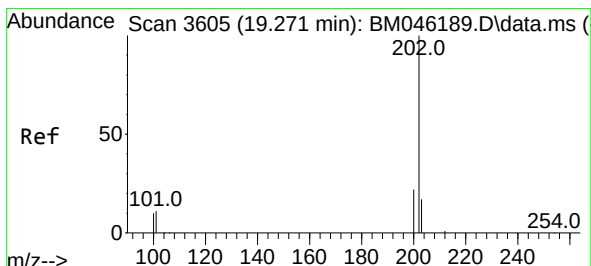
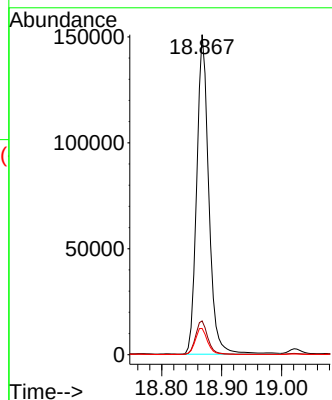
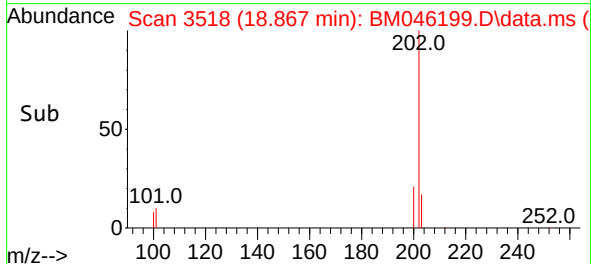
Instrument :  
BNA\_M  
ClientSampleId :  
A4D54



Tgt Ion:202 Resp: 21149  
Ion Ratio Lower Upper  
202 100  
101 10.6 9.6 14.4  
100 8.2 7.6 11.4

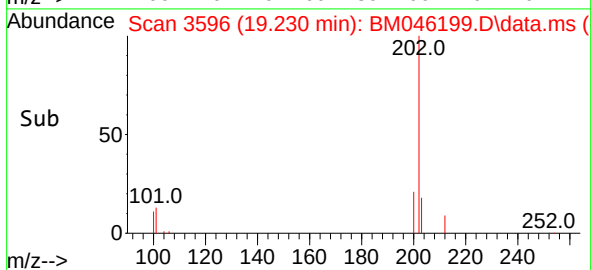
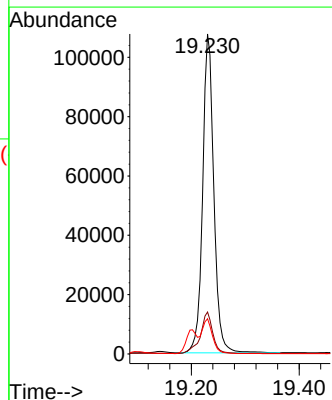
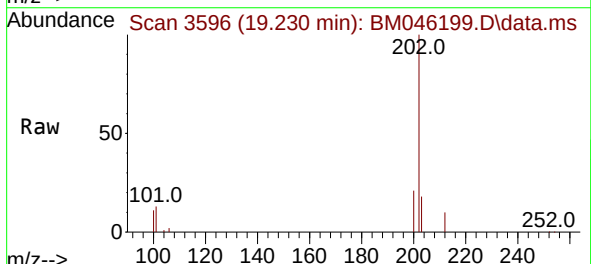
Manual Integrations  
APPROVED

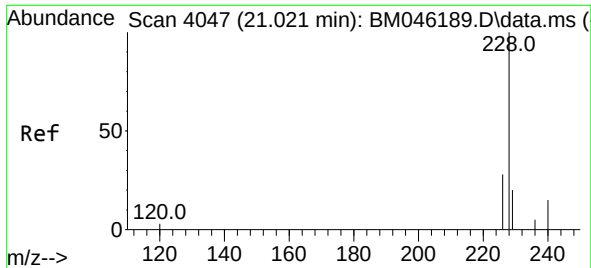
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#20  
Pyrene  
Concen: 5.252 ng/ul  
RT: 19.230 min Scan# 3596  
Delta R.T. -0.045 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

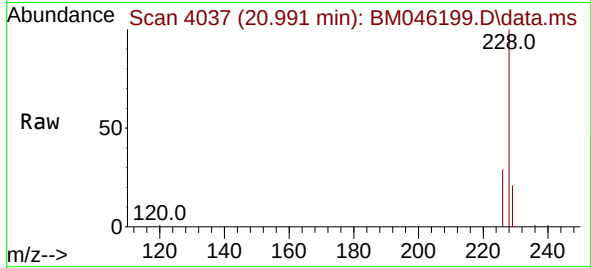
Tgt Ion:202 Resp: 154820  
Ion Ratio Lower Upper  
202 100  
101 13.1 11.3 16.9  
100 11.0 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 3.920 ng/ul  
RT: 20.991 min Scan# 4037  
Delta R.T. -0.038 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

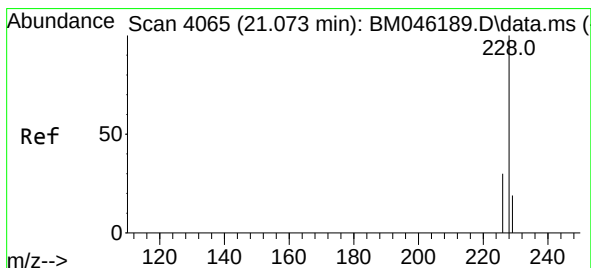
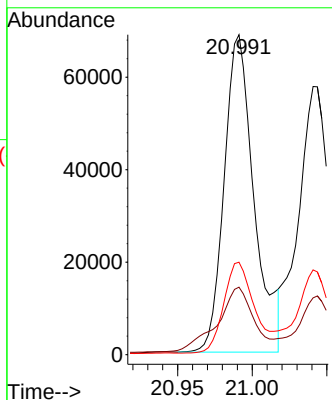
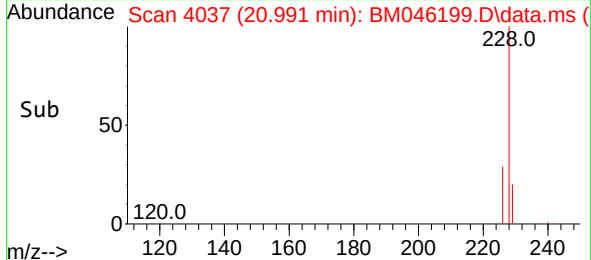
Instrument :  
BNA\_M  
ClientSampleId :  
A4D54



Tgt Ion:228 Resp: 95320  
Ion Ratio Lower Upper  
228 100  
229 21.1 16.4 24.6  
226 28.9 23.4 35.2

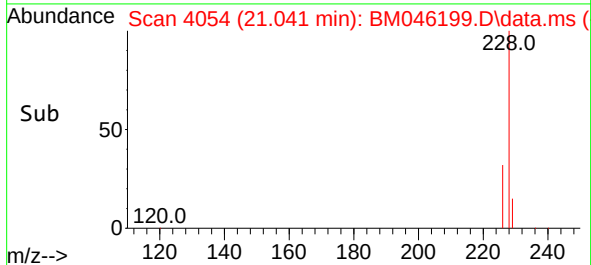
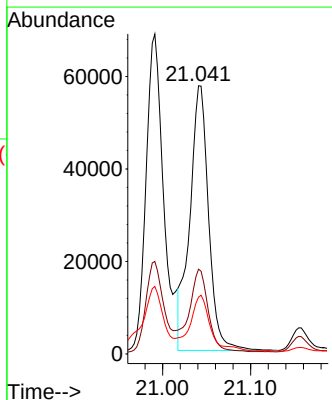
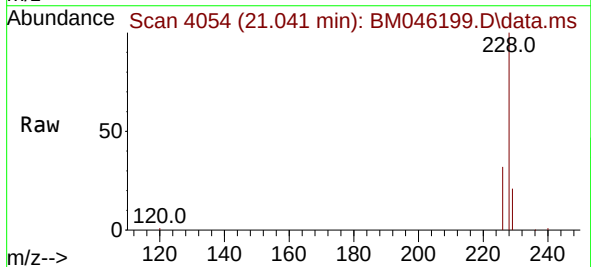
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

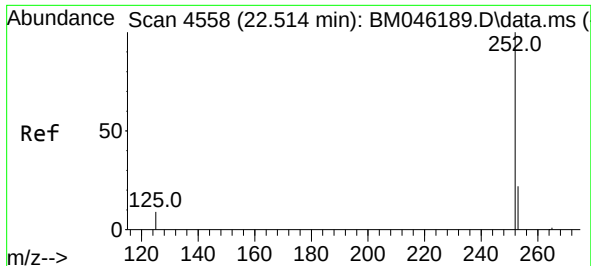


#22  
Chrysene  
Concen: 2.754 ng/ul  
RT: 21.041 min Scan# 4054  
Delta R.T. -0.035 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

Tgt Ion:228 Resp: 85447  
Ion Ratio Lower Upper  
228 100  
226 31.6 25.2 37.8  
229 21.2 16.3 24.5

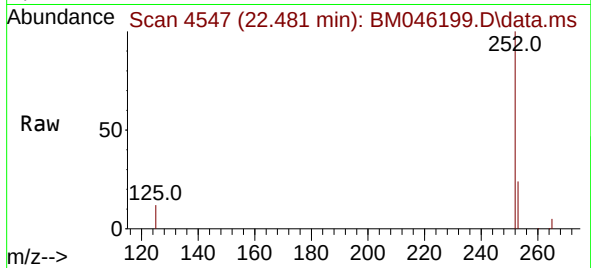






#24  
Benzo(b)fluoranthene  
Concen: 4.790 ng/ul m  
RT: 22.481 min Scan# 4547  
Delta R.T. -0.038 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

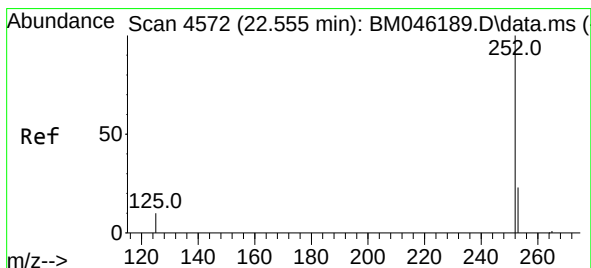
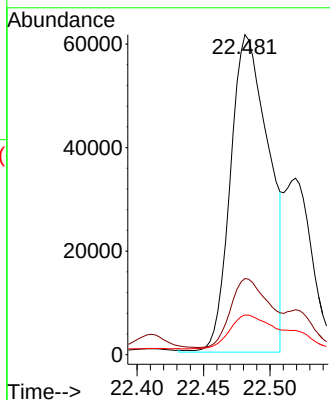
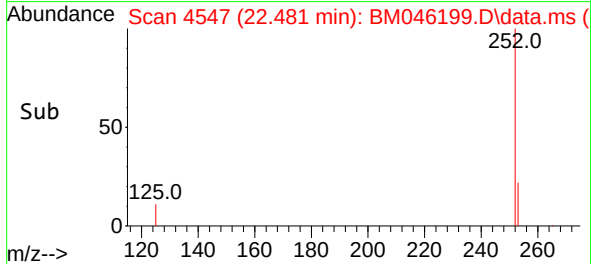
Instrument :  
BNA\_M  
ClientSampleId :  
A4D54



Tgt Ion:252 Resp: 122660  
Ion Ratio Lower Upper  
252 100  
253 23.8 0.0 65.8  
125 12.4 0.0 40.2

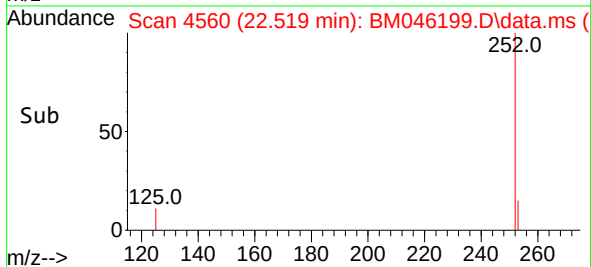
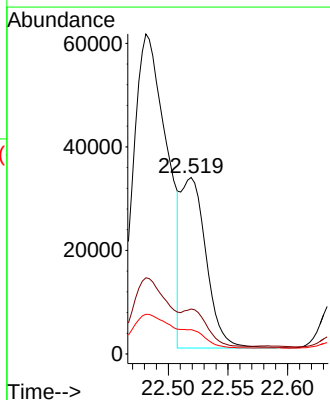
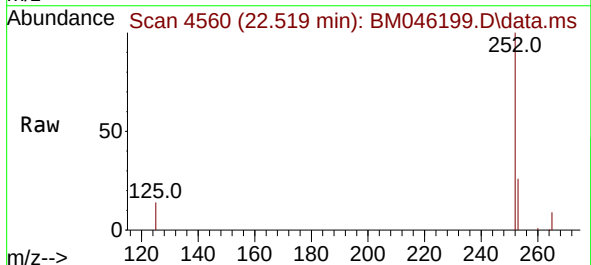
Manual Integrations  
APPROVED

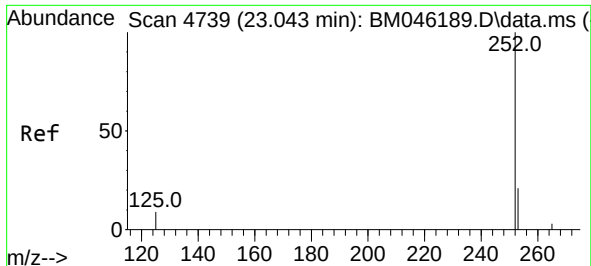
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#25  
Benzo(k)fluoranthene  
Concen: 1.606 ng/ul m  
RT: 22.519 min Scan# 4560  
Delta R.T. -0.044 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

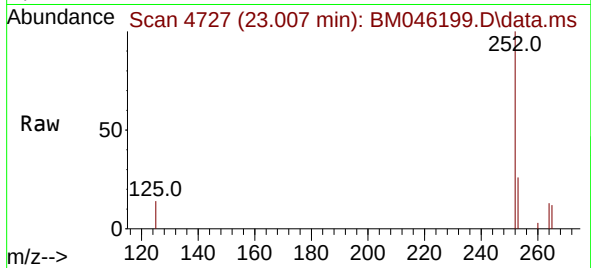
Tgt Ion:252 Resp: 48887  
Ion Ratio Lower Upper  
252 100  
253 25.5 27.2 40.8#  
125 13.8 16.6 25.0#





#26  
Benzo(a)pyrene  
Concen: 2.343 ng/ul  
RT: 23.007 min Scan# 41  
Delta R.T. -0.047 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

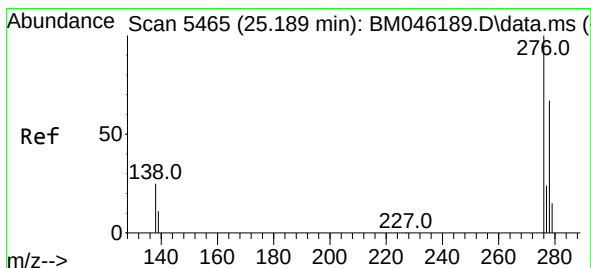
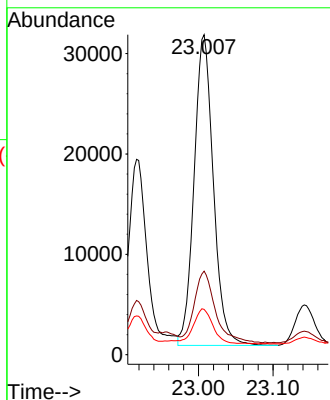
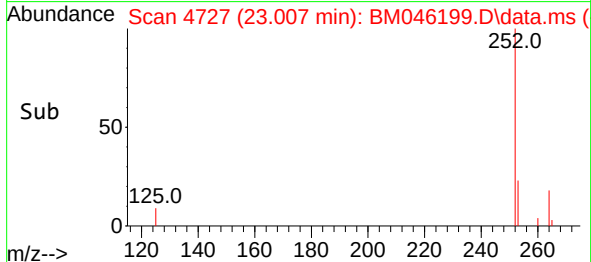
Instrument :  
BNA\_M  
ClientSampleId :  
A4D54



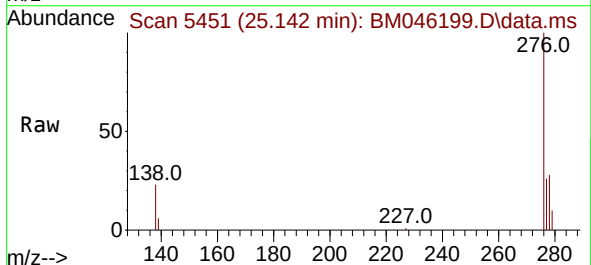
Tgt Ion:252 Resp: 55599  
Ion Ratio Lower Upper  
252 100  
253 26.1 32.1 48.1#  
125 14.1 21.2 31.8#

Manual Integrations  
APPROVED

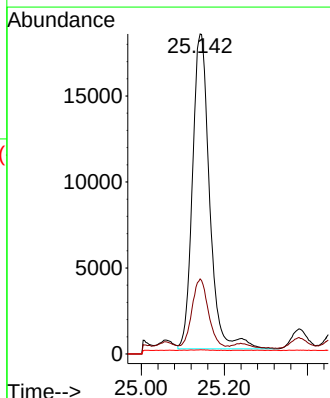
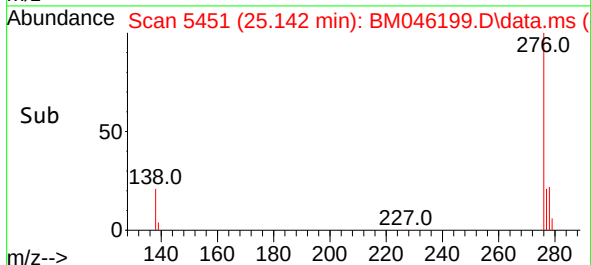
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

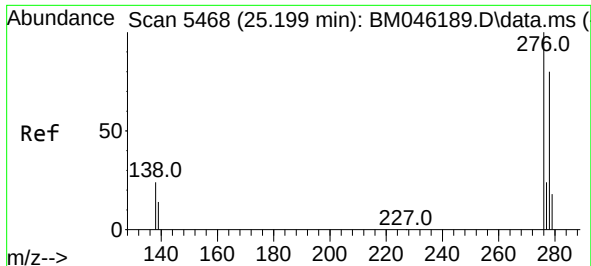


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.348 ng/ul  
RT: 25.142 min Scan# 5451  
Delta R.T. -0.061 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52



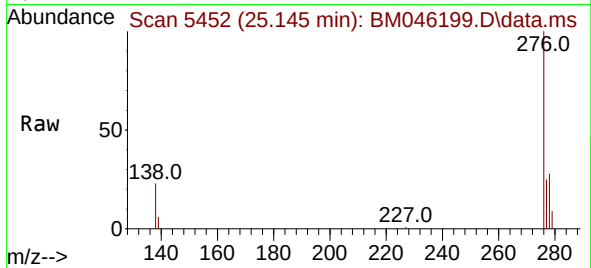
Tgt Ion:276 Resp: 52368  
Ion Ratio Lower Upper  
276 100  
138 20.4 21.0 31.4#  
227 0.2 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.516 ng/ul  
RT: 25.145 min Scan# 5468  
Delta R.T. -0.071 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

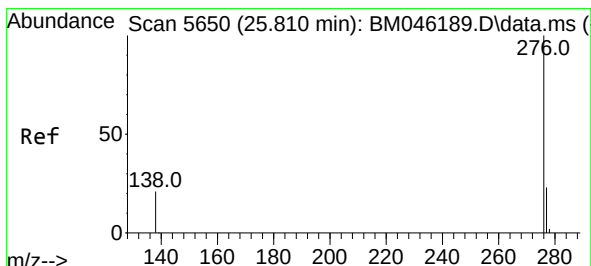
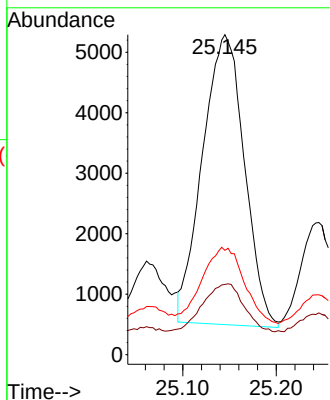
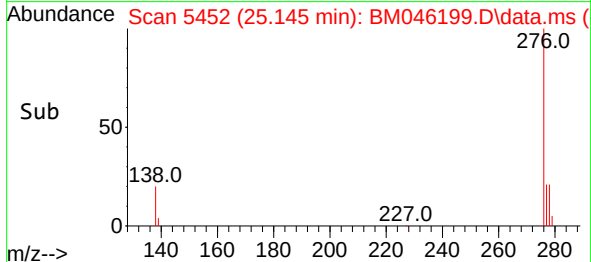
Instrument :  
BNA\_M  
ClientSampleId :  
A4D54



Tgt Ion:278 Resp: 14924  
Ion Ratio Lower Upper  
278 100  
139 21.9 17.6 26.4  
279 32.6 26.3 39.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.242 ng/ul  
RT: 25.765 min Scan# 5637  
Delta R.T. -0.064 min  
Lab File: BM046199.D  
Acq: 22 Jun 2024 15:52

Tgt Ion:276 Resp: 8070  
Ion Ratio Lower Upper  
276 100  
138 30.8 21.7 32.5  
277 31.3 20.4 30.6#

