

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
 Data File : BM046093.D  
 Acq On : 19 Jun 2024 19:27  
 Operator : MA/JU  
 Sample : P2695-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BK2

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024  
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 22:50:06 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 : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.430  | 152  | 2177     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.205 | 136  | 6136     | 0.400 | ng/ul  | -0.05    |
| 9) Acenaphthene-d10         | 14.081 | 164  | 3379     | 0.400 | ng/ul  | -0.03    |
| 13) Phenanthrene-d10        | 16.820 | 188  | 7201m    | 0.400 | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.020 | 240  | 6120m    | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.116 | 264  | 6973m    | 0.400 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.033  | 96   | 10844    | 3.631 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.838 | 152  | 1982     | 0.241 | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 18.854 | 212  | 5505     | 0.300 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.255 | 128  | 2343     | 0.137 | ng/ul# | 95       |
| 7) 2-Methylnaphthalene      | 11.915 | 142  | 628      | 0.065 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.124 | 142  | 558      | 0.053 | ng/ul  | 91       |
| 10) Acenaphthylene          | 13.794 | 152  | 5346     | 0.334 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.141 | 153  | 2417     | 0.209 | ng/ul  | 98       |
| 12) Fluorene                | 15.131 | 166  | 3028     | 0.244 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.863 | 178  | 66868m   | 3.305 | ng/ul  |          |
| 16) Anthracene              | 16.956 | 178  | 10824m   | 0.718 | ng/ul  |          |
| 19) Fluoranthene            | 18.881 | 202  | 166674   | 6.290 | ng/ul  | 98       |
| 20) Pyrene                  | 19.244 | 202  | 112406   | 3.922 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.006 | 228  | 53219    | 2.251 | ng/ul  | 99       |
| 22) Chrysene                | 21.055 | 228  | 65472    | 2.170 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.496 | 252  | 87820m   | 3.496 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.534 | 252  | 36981m   | 1.238 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.022 | 252  | 31540    | 1.355 | ng/ul# | 80       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.165 | 276  | 35140    | 0.922 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 25.172 | 278  | 10264    | 0.362 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 25.789 | 276  | 5215     | 0.160 | ng/ul# | 85       |
| -----                       |        |      |          |       |        |          |

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

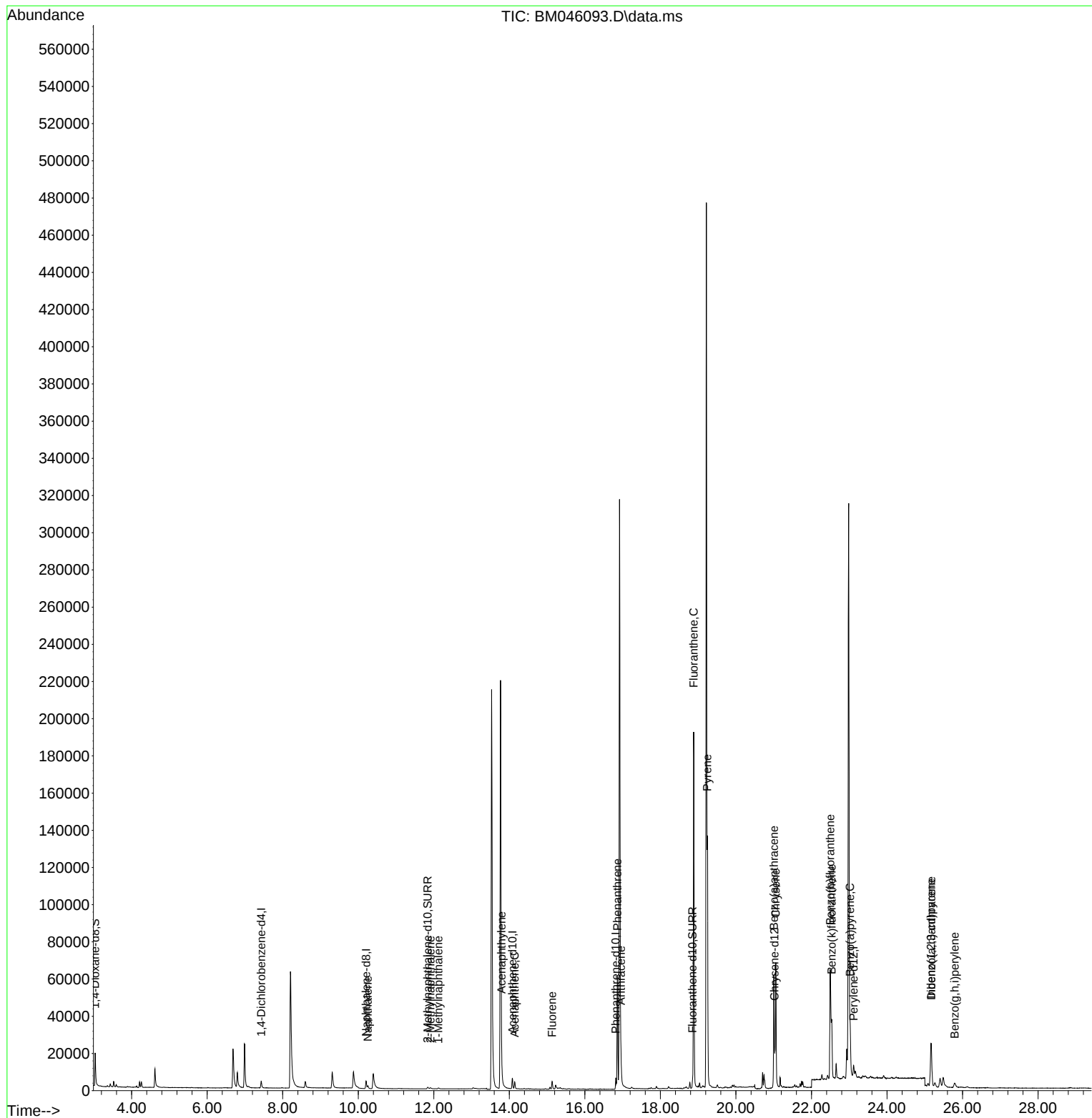
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046093.D  
Acq On : 19 Jun 2024 19:27  
Operator : MA/JU  
Sample : P2695-09  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

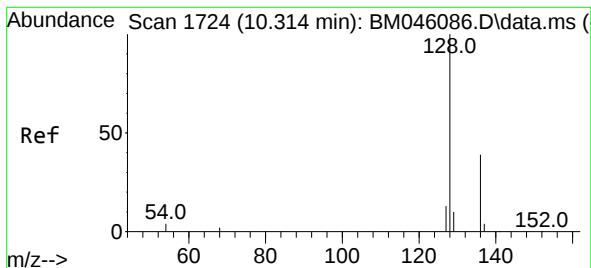
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2

Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 06/21/2024

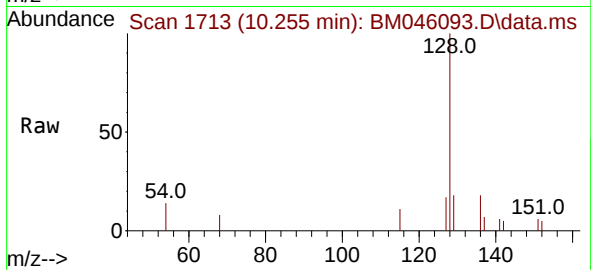
Quant Time: Jun 19 22:50:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.137 ng/ul  
RT: 10.255 min Scan# 1713  
Delta R.T. -0.048 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

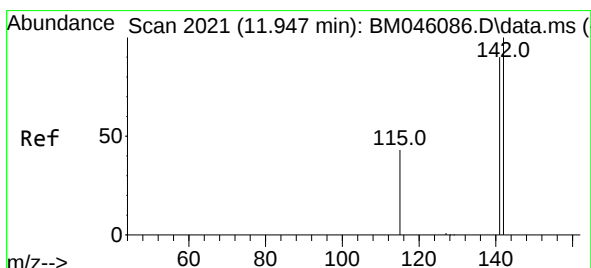
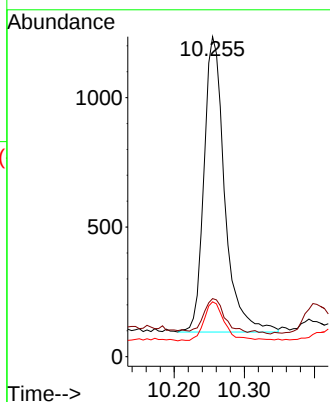
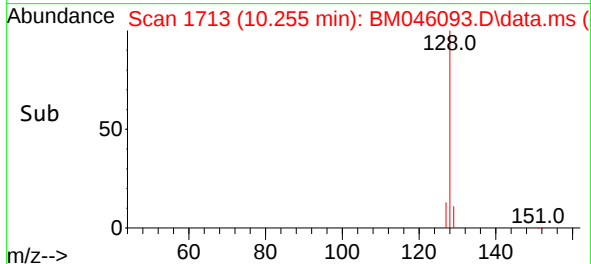
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2



Tgt Ion:128 Resp: 234  
Ion Ratio Lower Upper  
128 100  
129 18.1 11.8 17.6  
127 17.2 12.8 19.2

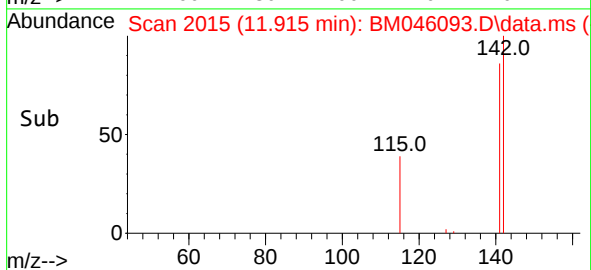
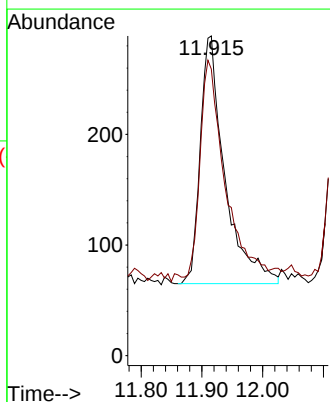
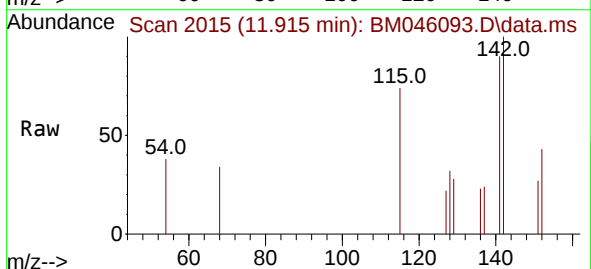
Manual Integrations  
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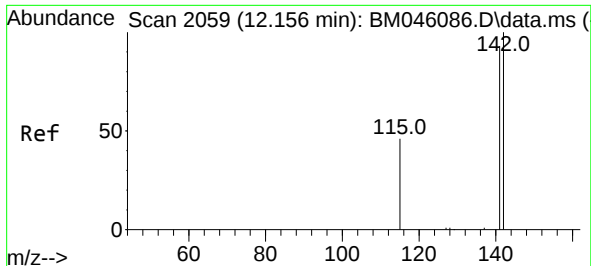
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024



#7  
2-Methylnaphthalene  
Concen: 0.065 ng/ul  
RT: 11.915 min Scan# 2015  
Delta R.T. -0.032 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

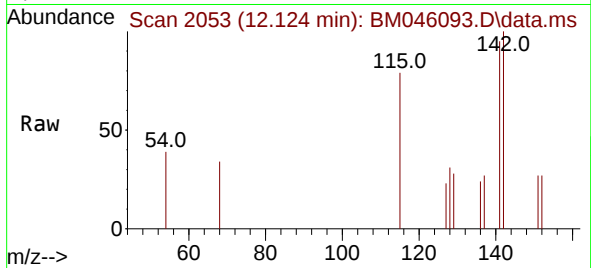
Tgt Ion:142 Resp: 628  
Ion Ratio Lower Upper  
142 100  
141 90.6 74.6 111.8





#8  
1-Methylnaphthalene  
Concen: 0.053 ng/ul  
RT: 12.124 min Scan# 2053  
Delta R.T. -0.026 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

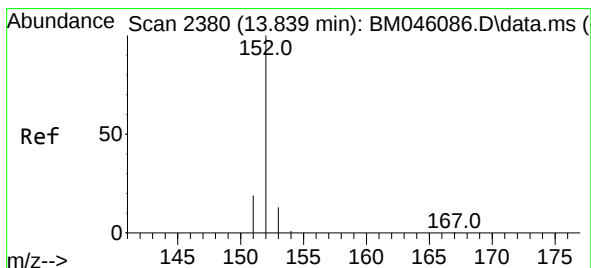
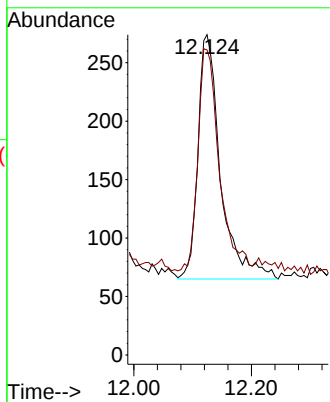
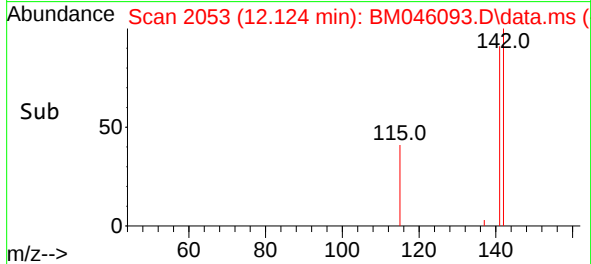
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2



Tgt Ion:142 Resp: 558  
Ion Ratio Lower Upper  
142 100  
141 85.1 75.2 112.8

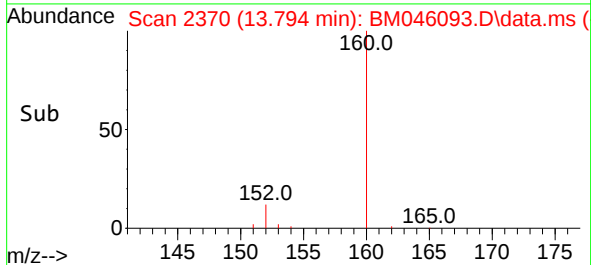
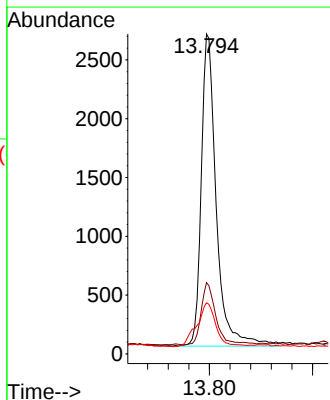
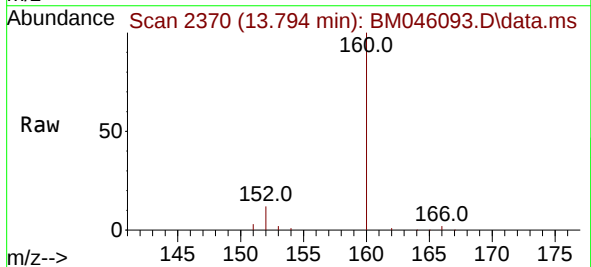
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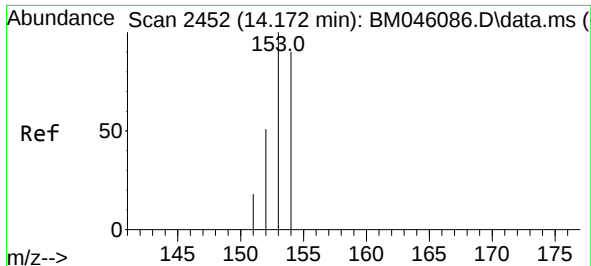
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024



#10  
Acenaphthylene  
Concen: 0.334 ng/ul  
RT: 13.794 min Scan# 2370  
Delta R.T. -0.040 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

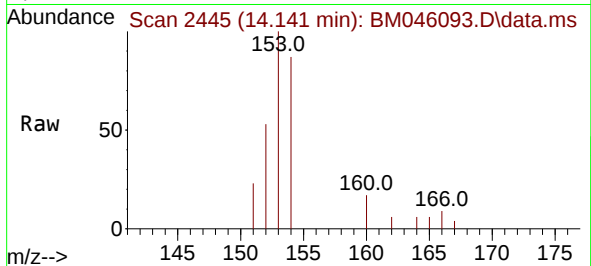
Tgt Ion:152 Resp: 5346  
Ion Ratio Lower Upper  
152 100  
151 22.3 17.4 26.2  
153 16.0 11.8 17.8





#11  
Acenaphthene  
Concen: 0.209 ng/ul  
RT: 14.141 min Scan# 2445  
Delta R.T. -0.031 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

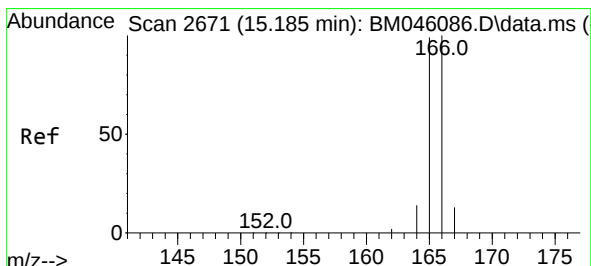
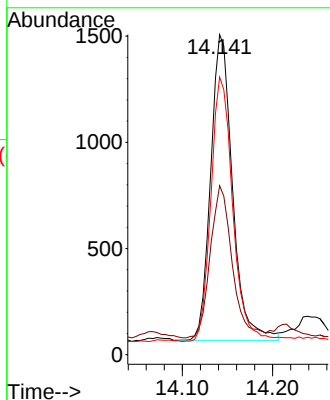
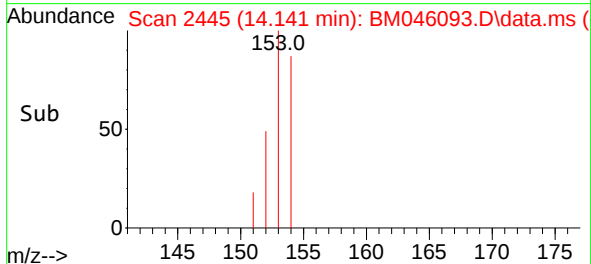
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:153 Resp: 241  
Ion Ratio Lower Upper  
153 100  
152 52.8 41.3 61.9  
154 86.7 68.2 102.4

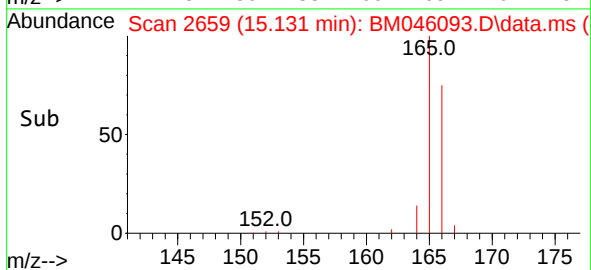
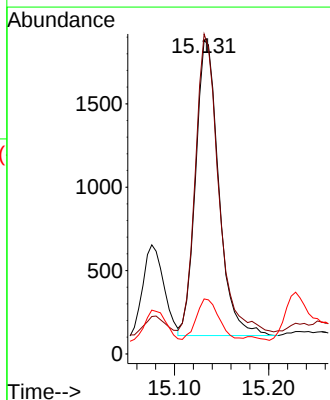
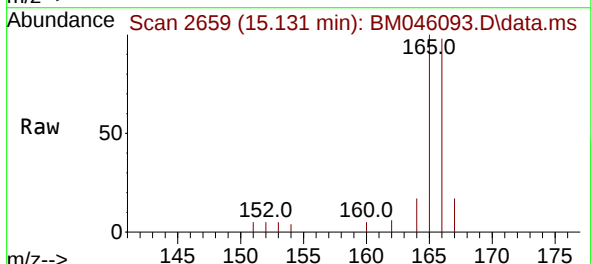
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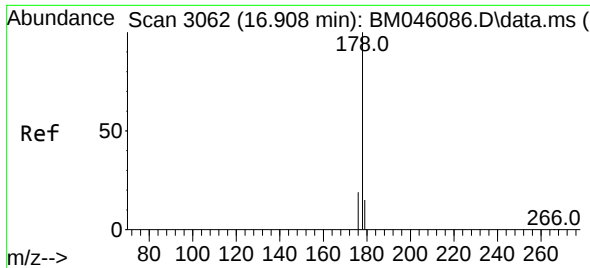
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024



#12  
Fluorene  
Concen: 0.244 ng/ul  
RT: 15.131 min Scan# 2659  
Delta R.T. -0.049 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

Tgt Ion:166 Resp: 3028  
Ion Ratio Lower Upper  
166 100  
165 102.0 80.4 120.6  
167 17.5 12.4 18.6





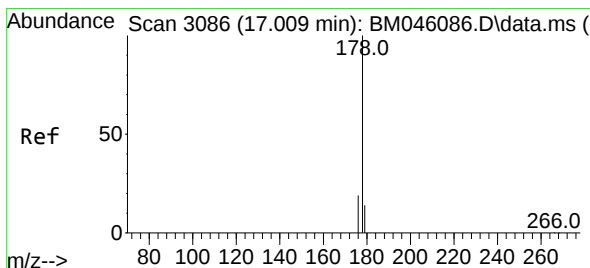
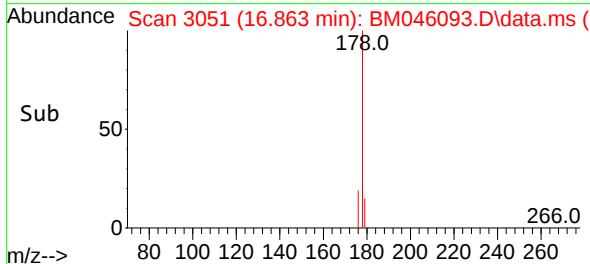
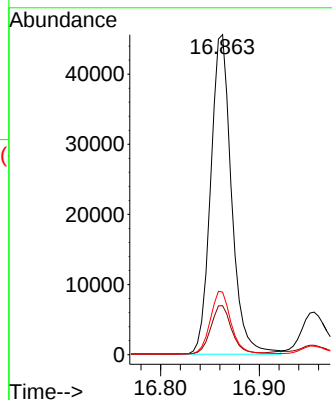
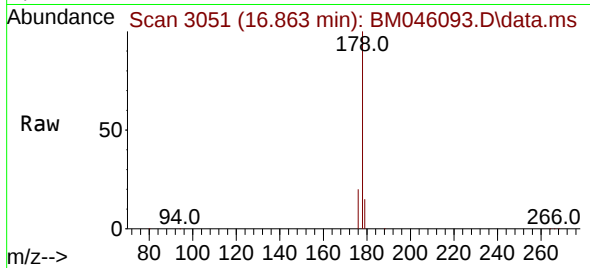
#15  
Phenanthrene  
Concen: 3.305 ng/ul m  
RT: 16.863 min Scan# 3062  
Delta R.T. -0.041 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2

Tgt Ion:178 Resp: 6686  
Ion Ratio Lower Upper  
178 100  
179 15.3 14.2 21.2  
176 19.5 17.1 25.7

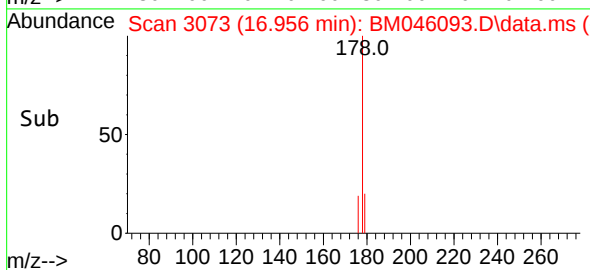
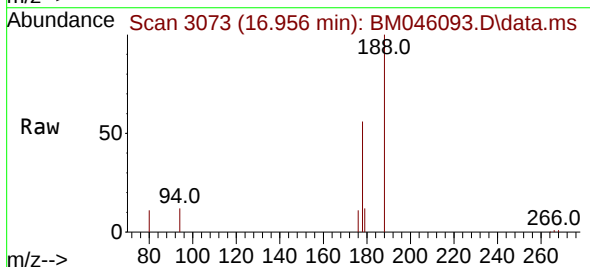
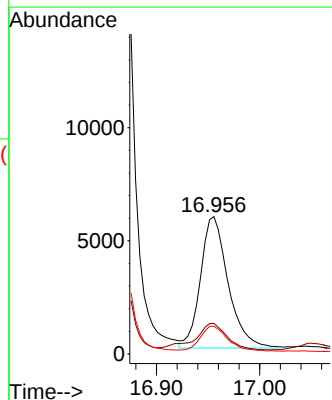
Manual Integrations  
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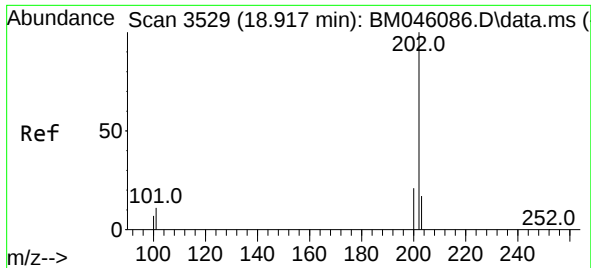
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024



#16  
Anthracene  
Concen: 0.718 ng/ul m  
RT: 16.956 min Scan# 3073  
Delta R.T. -0.049 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

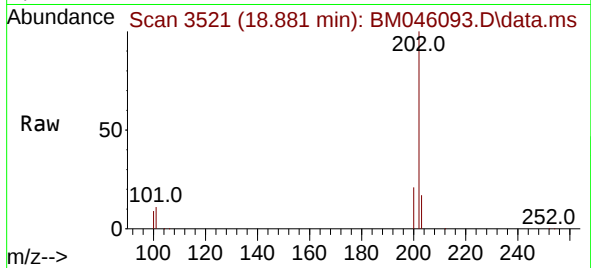
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Ion Ratio Lower Upper  
178 100  
179 22.3 14.9 22.3  
176 20.1 17.0 25.4





#19  
Fluoranthene  
Concen: 6.290 ng/u1  
RT: 18.881 min Scan# 31  
Delta R.T. -0.036 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

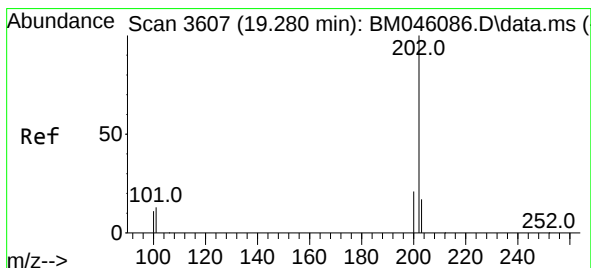
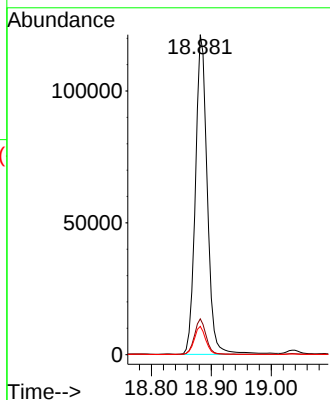
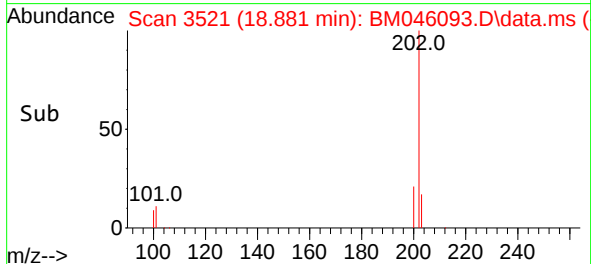
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2



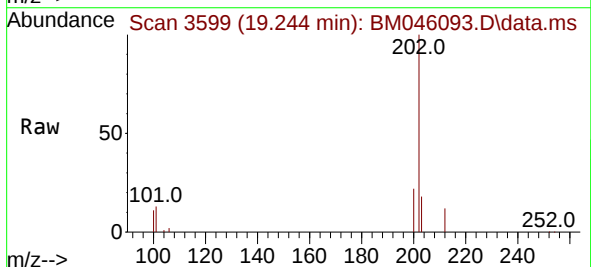
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Ion Ratio Lower Upper  
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101 11.2 9.6 14.4  
100 8.9 7.6 11.4

Manual Integrations  
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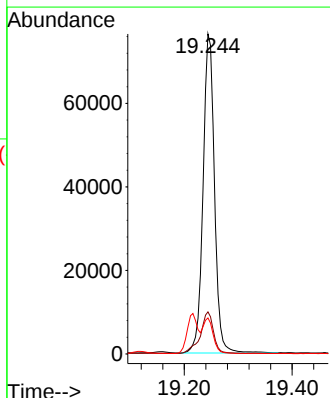
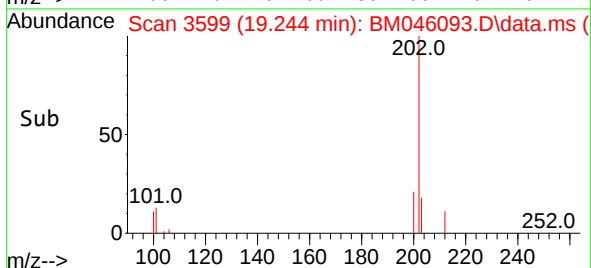
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024

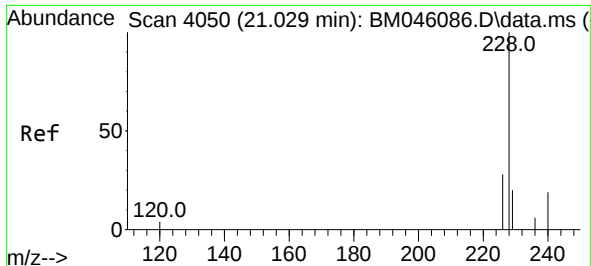


#20  
Pyrene  
Concen: 3.922 ng/u1  
RT: 19.244 min Scan# 3599  
Delta R.T. -0.031 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27



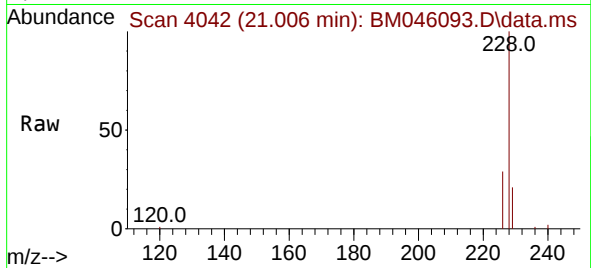
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Ion Ratio Lower Upper  
202 100  
101 13.2 11.3 16.9  
100 11.3 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 2.251 ng/ul  
RT: 21.006 min Scan# 4042  
Delta R.T. -0.024 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

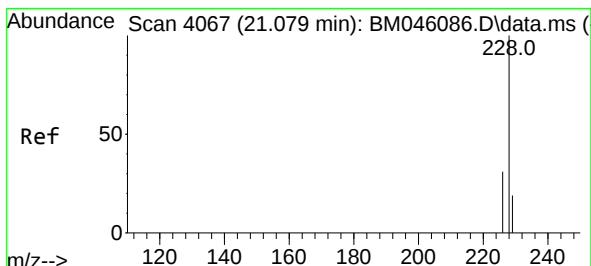
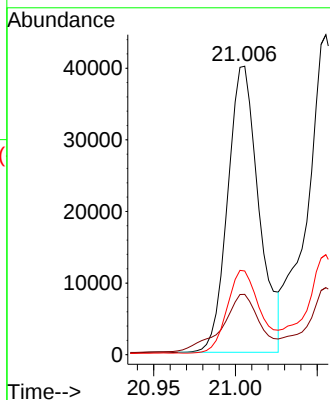
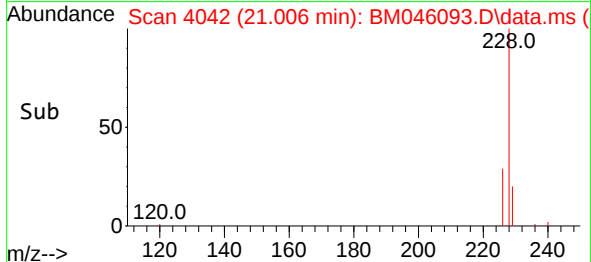
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2



Tgt Ion:228 Resp: 53219  
Ion Ratio Lower Upper  
228 100  
229 20.9 16.4 24.6  
226 29.0 23.4 35.2

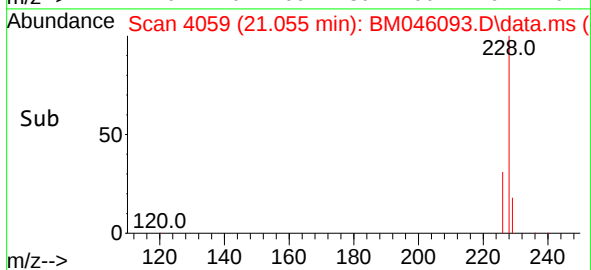
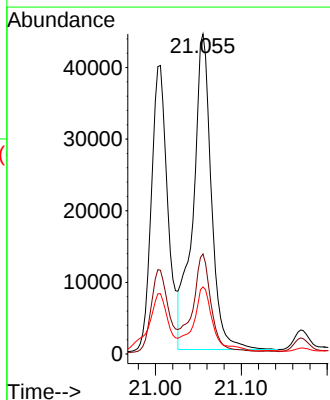
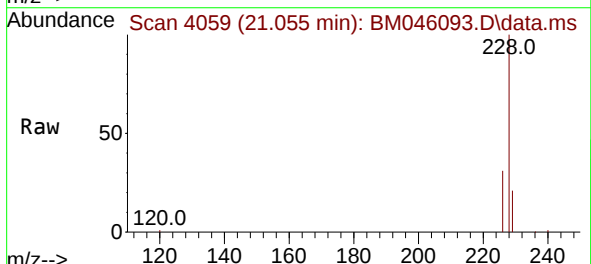
Manual Integrations  
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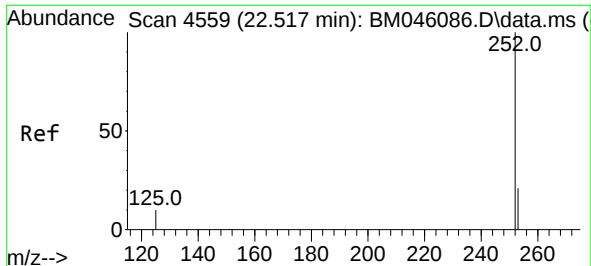
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024



#22  
Chrysene  
Concen: 2.170 ng/ul  
RT: 21.055 min Scan# 4059  
Delta R.T. -0.021 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

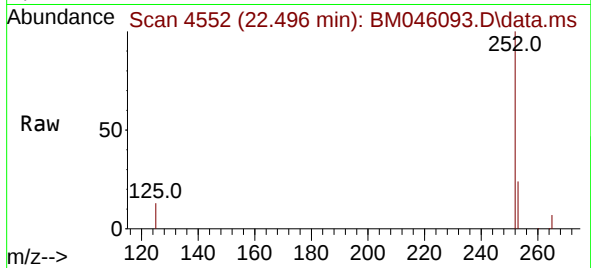
Tgt Ion:228 Resp: 65472  
Ion Ratio Lower Upper  
228 100  
226 31.3 25.2 37.8  
229 21.0 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 3.496 ng/ul m  
RT: 22.496 min Scan# 4552  
Delta R.T. -0.024 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

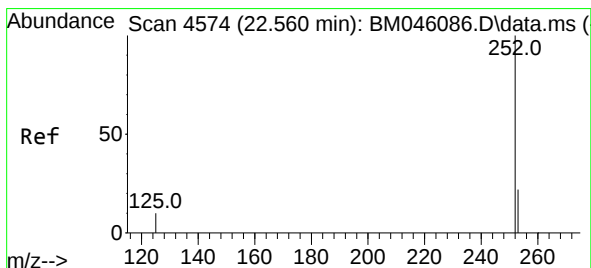
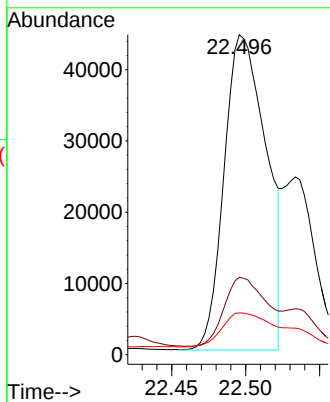
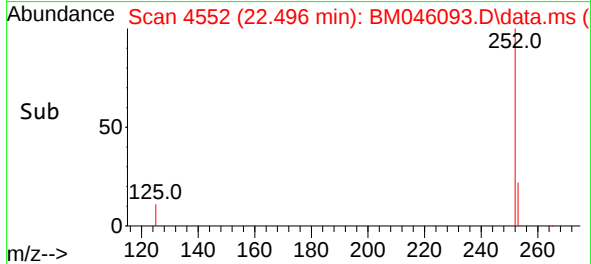
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2



Tgt Ion:252 Resp: 87820  
Ion Ratio Lower Upper  
252 100  
253 24.1 0.0 65.8  
125 13.1 0.0 40.2

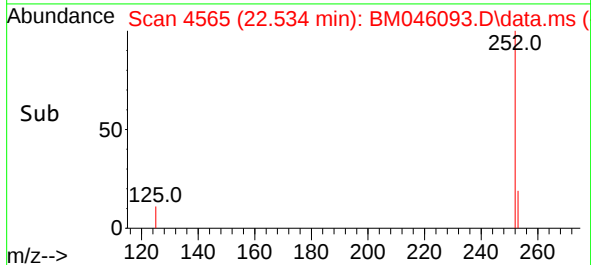
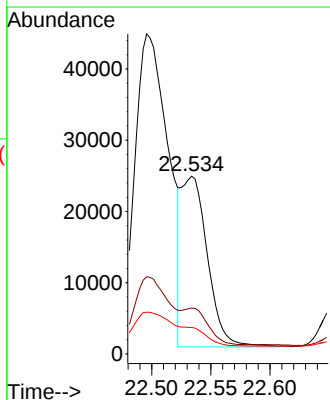
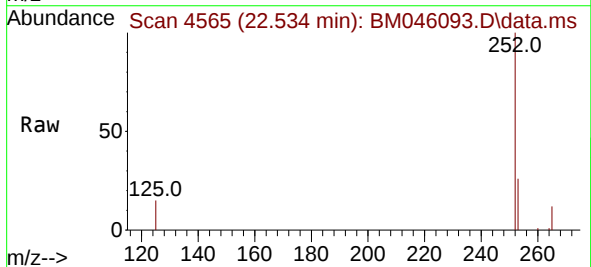
Manual Integrations  
APPROVED

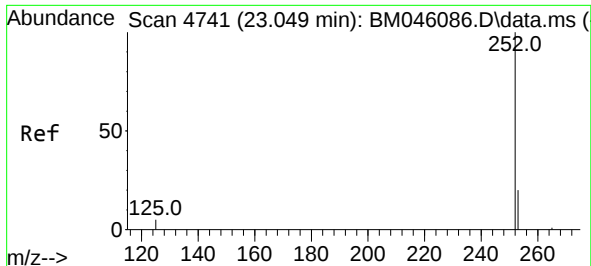
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024



#25  
Benzo(k)fluoranthene  
Concen: 1.238 ng/ul m  
RT: 22.534 min Scan# 4565  
Delta R.T. -0.030 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

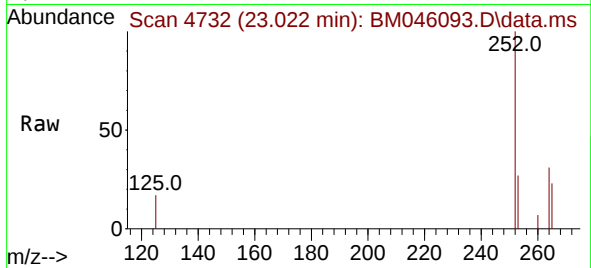
Tgt Ion:252 Resp: 36981  
Ion Ratio Lower Upper  
252 100  
253 25.8 27.2 40.8#  
125 14.9 16.6 25.0#





#26  
Benzo(a)pyrene  
Concen: 1.355 ng/ul  
RT: 23.022 min Scan# 4732  
Delta R.T. -0.032 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

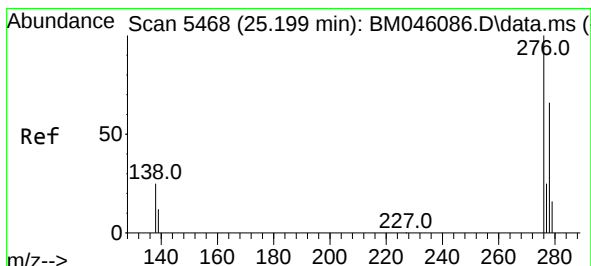
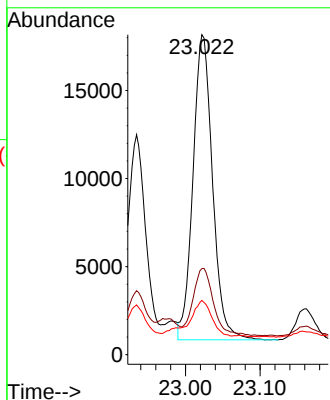
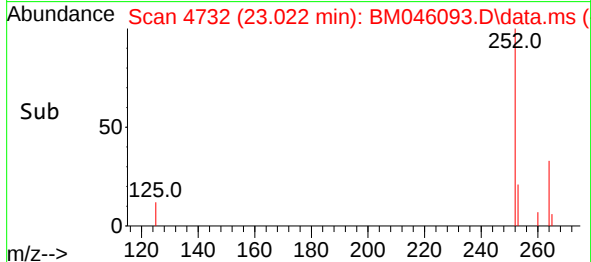
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2



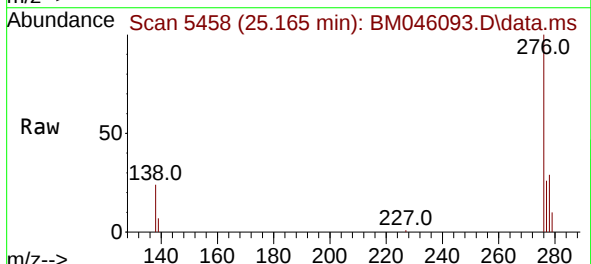
Tgt Ion:252 Resp: 31540  
Ion Ratio Lower Upper  
252 100  
253 26.9 32.1 48.1  
125 17.0 21.2 31.8

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APPROVED

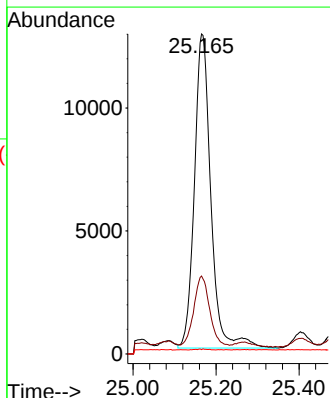
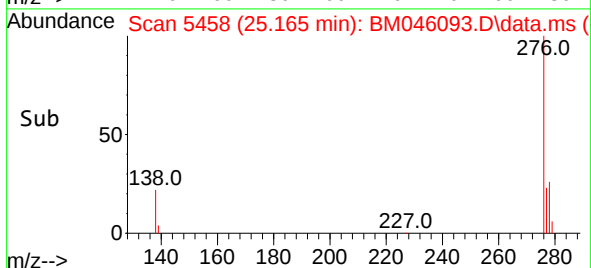
Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024

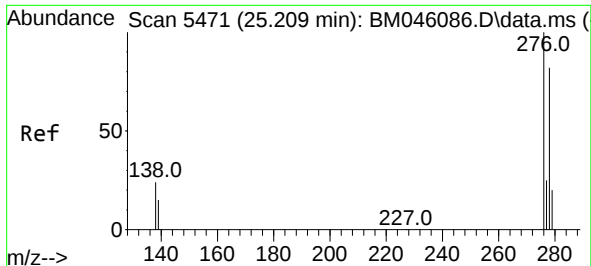


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.922 ng/ul  
RT: 25.165 min Scan# 5458  
Delta R.T. -0.037 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27



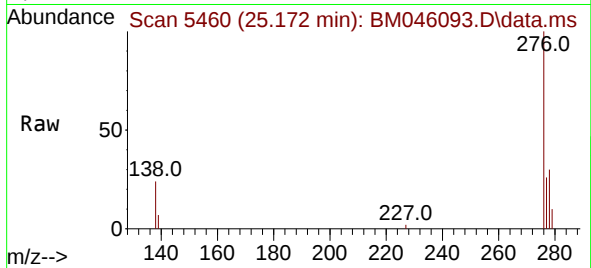
Tgt Ion:276 Resp: 35140  
Ion Ratio Lower Upper  
276 100  
138 21.2 21.0 31.4  
227 0.1 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.362 ng/ul  
RT: 25.172 min Scan# 5471  
Delta R.T. -0.044 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27

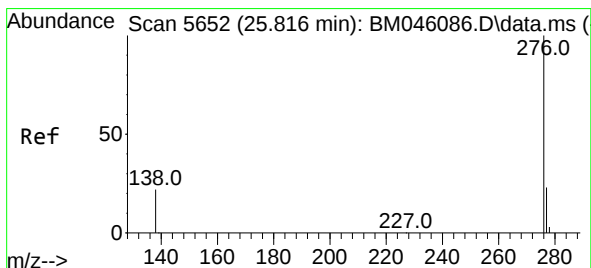
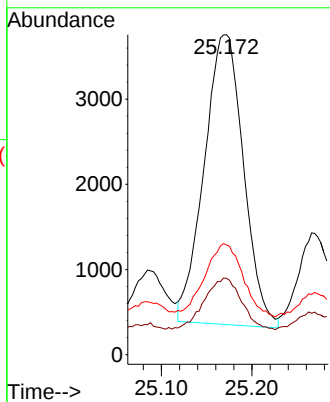
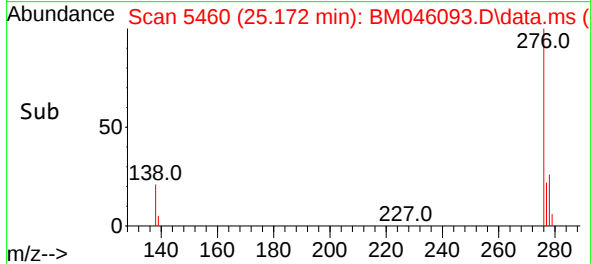
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK2



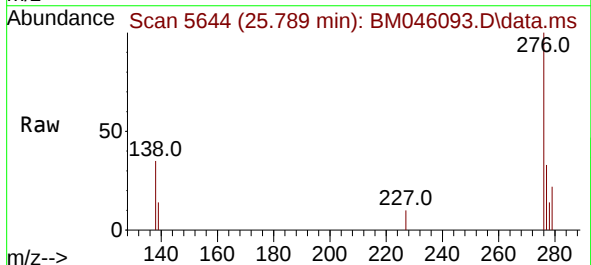
Tgt Ion:278 Resp: 10264  
Ion Ratio Lower Upper  
278 100  
139 23.8 17.6 26.4  
279 34.3 26.3 39.5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024  
Supervised By :mohammad ahmed 06/21/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.160 ng/ul  
RT: 25.789 min Scan# 5644  
Delta R.T. -0.041 min  
Lab File: BM046093.D  
Acq: 19 Jun 2024 19:27



Tgt Ion:276 Resp: 5215  
Ion Ratio Lower Upper  
276 100  
138 34.8 21.7 32.5#  
277 32.7 20.4 30.6#

