

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
 Data File : BM046201.D  
 Acq On : 22 Jun 2024 17:05  
 Operator : MA/JU  
 Sample : P2775-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C87

Manual Integrations  
 APPROVED

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

Quant Time: Jun 23 01:07:43 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  | 1998     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.188 | 136  | 6257     | 0.400 | ng/ul  | -0.06    |
| 9) Acenaphthene-d10         | 14.062 | 164  | 3507     | 0.400 | ng/ul  | -0.05    |
| 13) Phenanthrene-d10        | 16.808 | 188  | 7186m    | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.020 | 240  | 5758m    | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.101 | 264  | 5769m    | 0.400 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.025  | 96   | 9679     | 3.531 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.816 | 152  | 2069     | 0.246 | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.844 | 212  | 4336     | 0.251 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 10) Acenaphthylene          | 13.780 | 152  | 829      | 0.050 | ng/ul# | 65       |
| 12) Fluorene                | 15.122 | 166  | 361      | 0.028 | ng/ul# | 89       |
| 15) Phenanthrene            | 16.850 | 178  | 6749m    | 0.334 | ng/ul  |          |
| 16) Anthracene              | 16.938 | 178  | 1762m    | 0.117 | ng/ul  |          |
| 19) Fluoranthene            | 18.872 | 202  | 13798    | 0.553 | ng/ul  | 100      |
| 20) Pyrene                  | 19.234 | 202  | 12740    | 0.473 | ng/ul# | 95       |
| 21) Benzo(a)anthracene      | 21.005 | 228  | 5931     | 0.267 | ng/ul  | 93       |
| 22) Chrysene                | 21.055 | 228  | 5517     | 0.194 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.487 | 252  | 7794m    | 0.375 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.525 | 252  | 3039m    | 0.123 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.010 | 252  | 5594     | 0.290 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.168 | 276  | 4266     | 0.135 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 25.168 | 278  | 956      | 0.041 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 25.789 | 276  | 4228     | 0.156 | ng/ul# | 83       |
| -----                       |        |      |          |       |        |          |

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

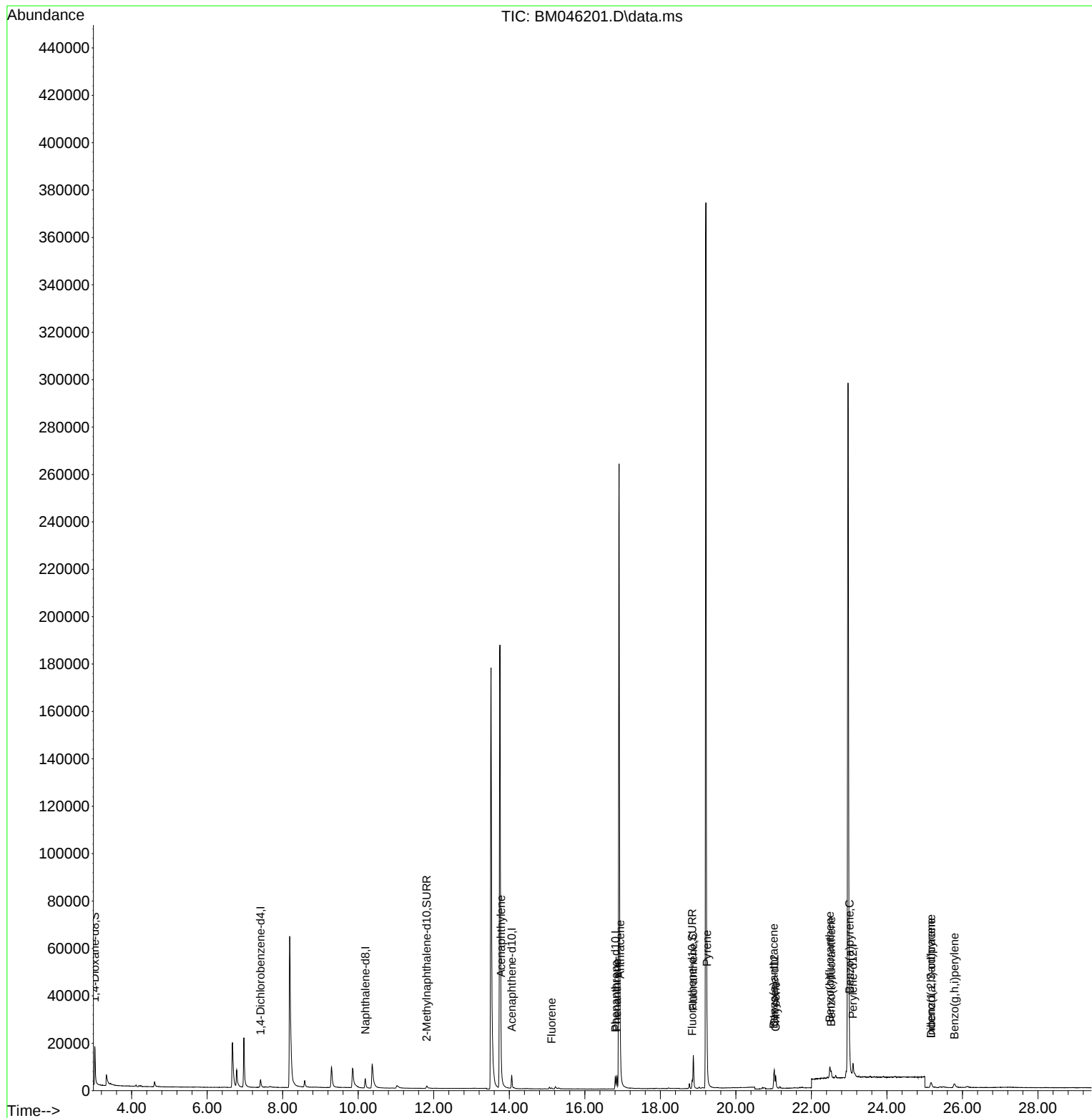
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
Data File : BM046201.D  
Acq On : 22 Jun 2024 17:05  
Operator : MA/JU  
Sample : P2775-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

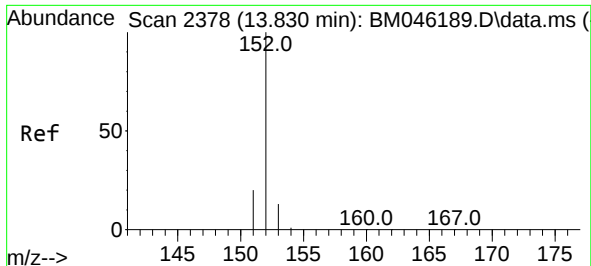
Instrument :  
BNA\_M  
ClientSampleId :  
A4C87

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

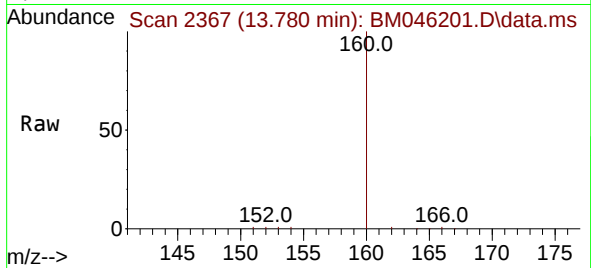
Quant Time: Jun 23 01:07:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 22 02:10:56 2024  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.050 ng/ul  
RT: 13.780 min Scan# 21  
Delta R.T. -0.054 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

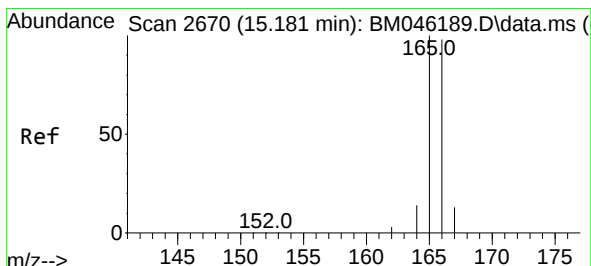
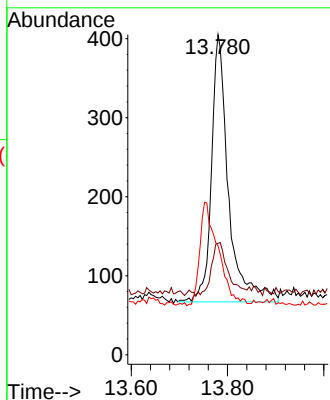
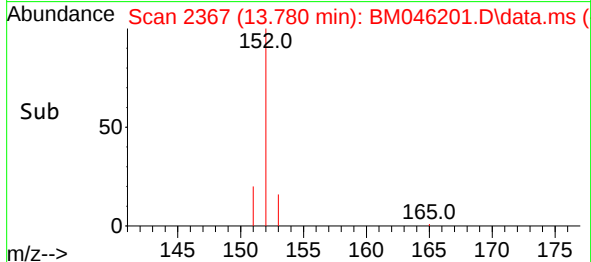
Instrument :  
BNA\_M  
ClientSampleId :  
A4C87



Tgt Ion:152 Resp: 829  
Ion Ratio Lower Upper  
152 100  
151 34.8 17.4 26.2  
153 34.1 11.8 17.8

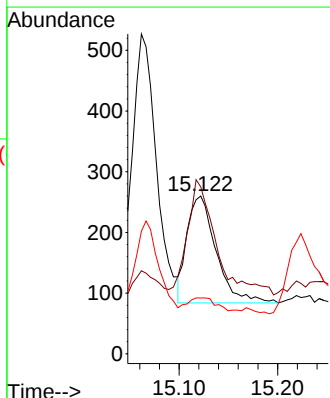
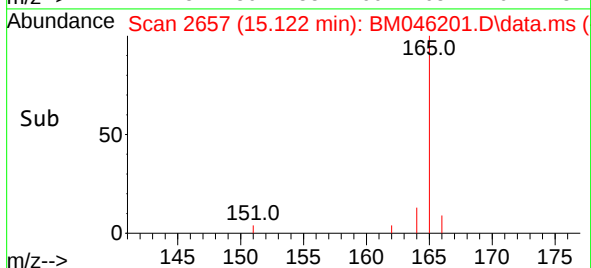
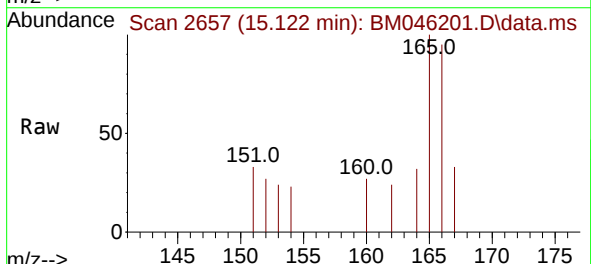
Manual Integrations  
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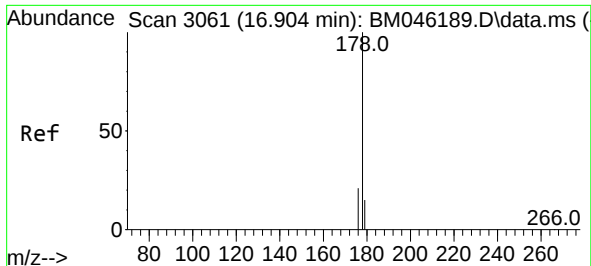
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#12  
Fluorene  
Concen: 0.028 ng/ul  
RT: 15.122 min Scan# 2657  
Delta R.T. -0.059 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

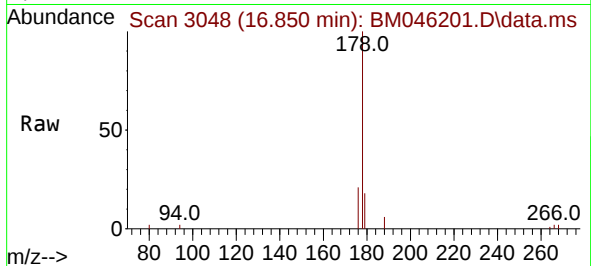
Tgt Ion:166 Resp: 361  
Ion Ratio Lower Upper  
166 100  
165 105.8 80.4 120.6  
167 35.4 12.4 18.6





#15  
Phenanthrene  
Concen: 0.334 ng/ul m  
RT: 16.850 min Scan# 3069  
Delta R.T. -0.054 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

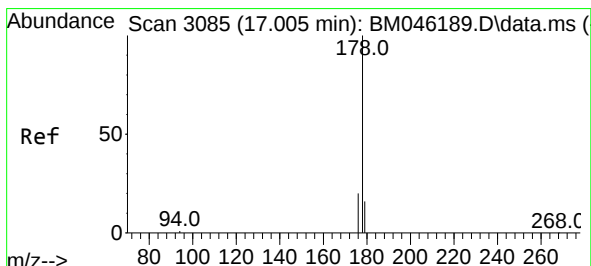
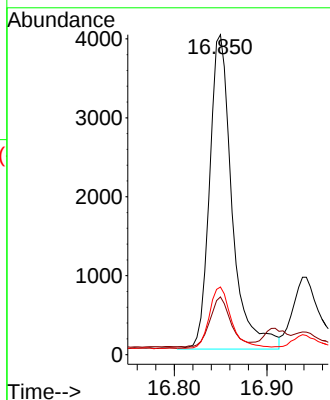
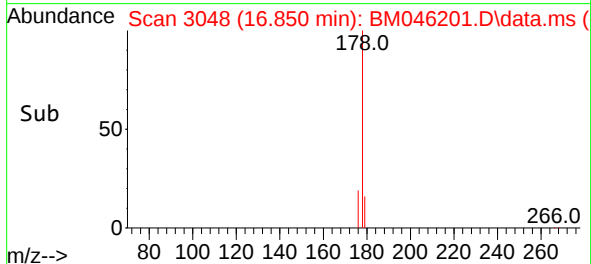
Instrument :  
BNA\_M  
ClientSampleId :  
A4C87



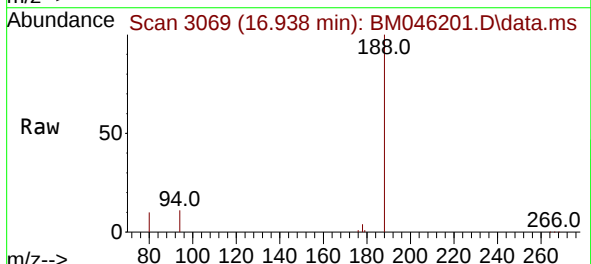
Tgt Ion:178 Resp: 6749  
Ion Ratio Lower Upper  
178 100  
179 18.1 14.2 21.2  
176 21.1 17.1 25.7

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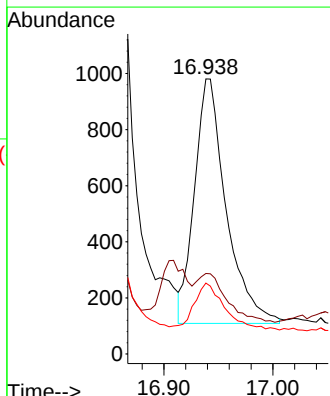
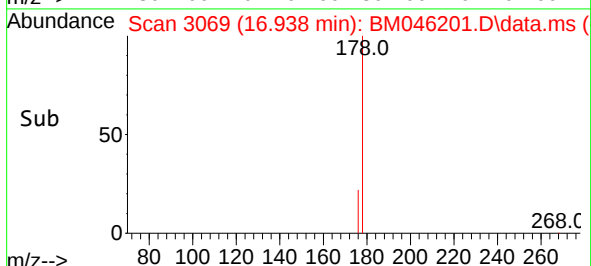
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

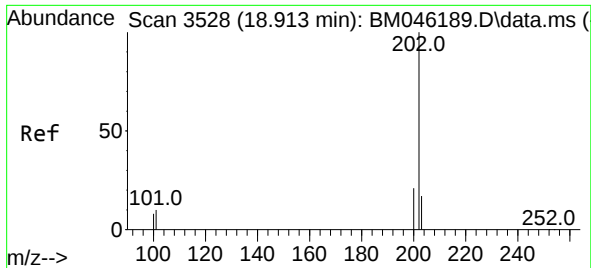


#16  
Anthracene  
Concen: 0.117 ng/ul m  
RT: 16.938 min Scan# 3069  
Delta R.T. -0.066 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05



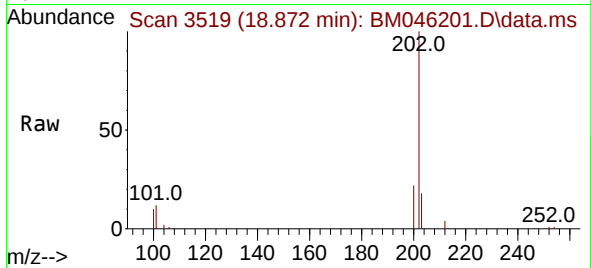
Tgt Ion:178 Resp: 1762  
Ion Ratio Lower Upper  
178 100  
179 29.3 14.9 22.3#  
176 25.8 17.0 25.4#





#19  
Fluoranthene  
Concen: 0.553 ng/u1  
RT: 18.872 min Scan# 3519  
Delta R.T. -0.045 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

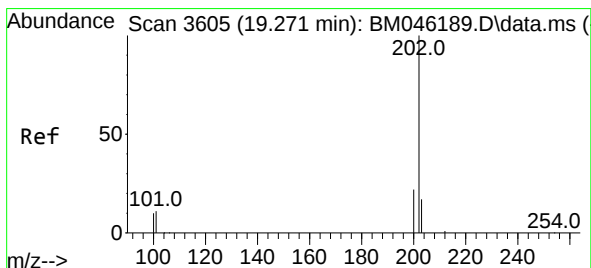
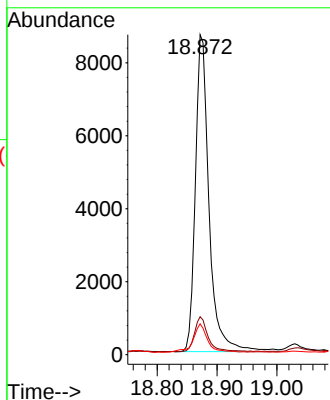
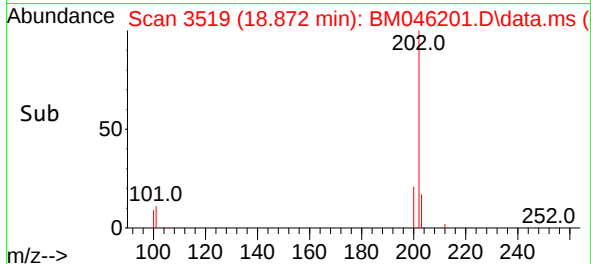
Instrument :  
BNA\_M  
ClientSampleId :  
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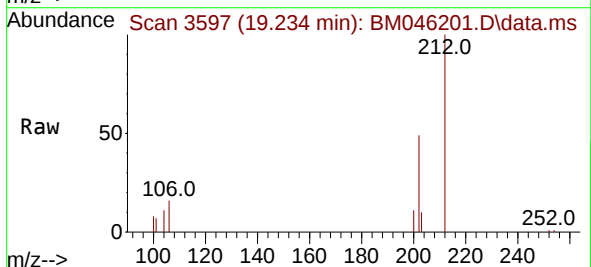
Tgt Ion:202 Resp: 13798  
Ion Ratio Lower Upper  
202 100  
101 11.9 9.6 14.4  
100 9.7 7.6 11.4

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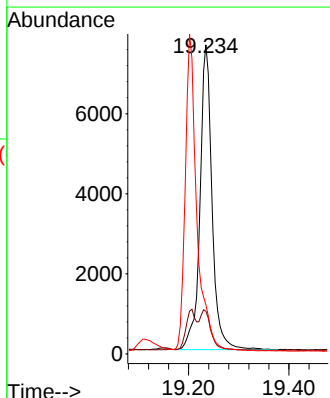
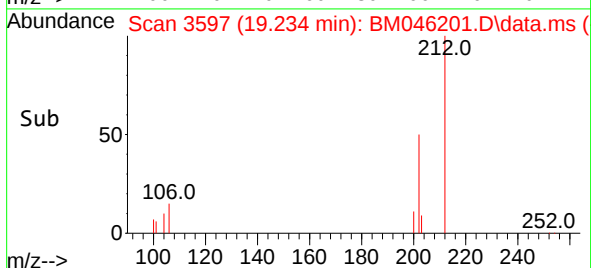
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

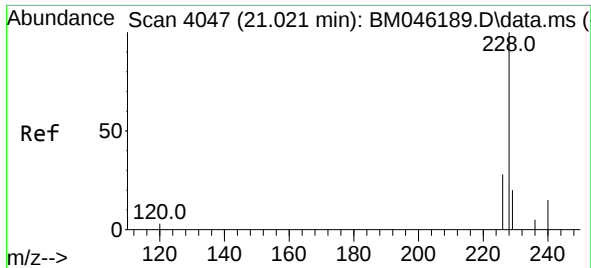


#20  
Pyrene  
Concen: 0.473 ng/u1  
RT: 19.234 min Scan# 3597  
Delta R.T. -0.041 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05



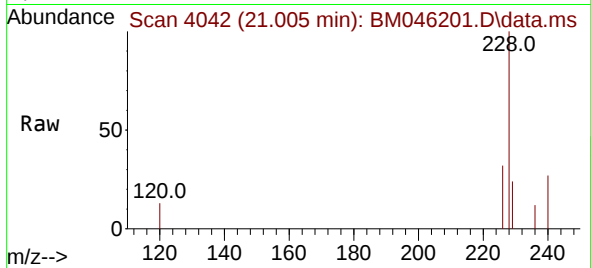
Tgt Ion:202 Resp: 12740  
Ion Ratio Lower Upper  
202 100  
101 13.8 11.3 16.9  
100 15.9 9.8 14.6#





#21  
Benzo(a)anthracene  
Concen: 0.267 ng/ul  
RT: 21.005 min Scan# 4047  
Delta R.T. -0.024 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

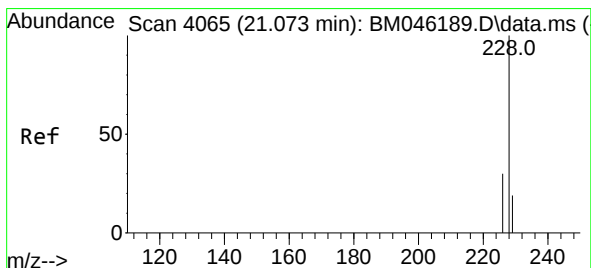
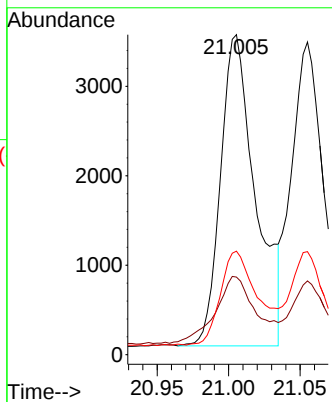
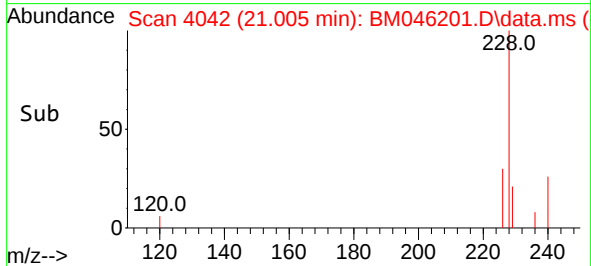
Instrument :  
BNA\_M  
ClientSampleId :  
A4C87



Tgt Ion:228 Resp: 5931  
Ion Ratio Lower Upper  
228 100  
229 24.2 16.4 24.6  
226 32.4 23.4 35.2

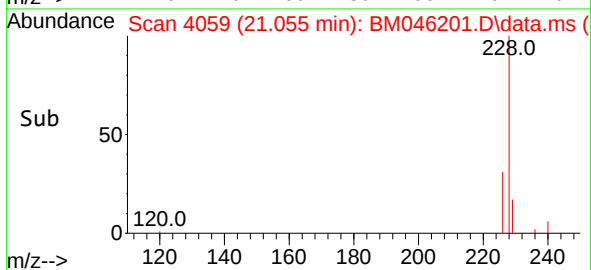
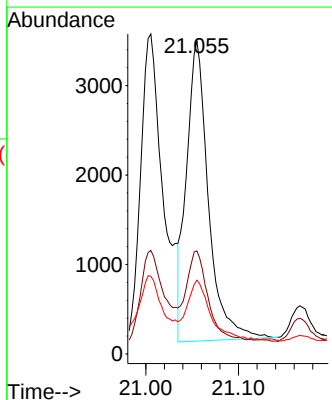
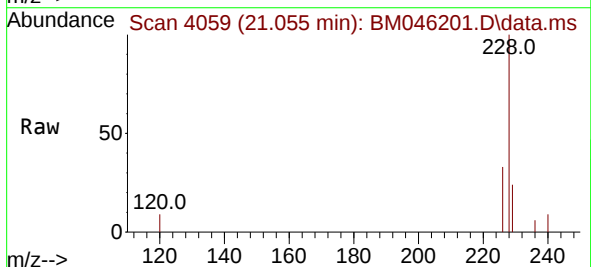
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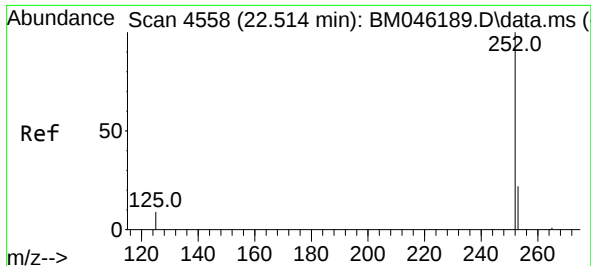
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#22  
Chrysene  
Concen: 0.194 ng/ul  
RT: 21.055 min Scan# 4059  
Delta R.T. -0.021 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

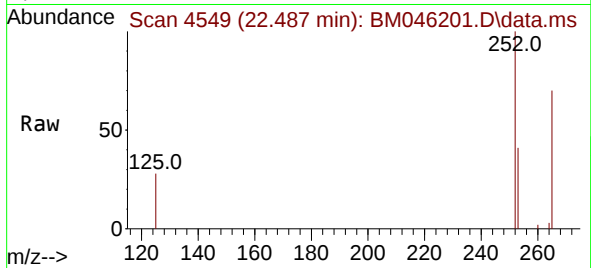
Tgt Ion:228 Resp: 5517  
Ion Ratio Lower Upper  
228 100  
226 33.0 25.2 37.8  
229 23.6 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 0.375 ng/ul m  
RT: 22.487 min Scan# 4549  
Delta R.T. -0.033 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

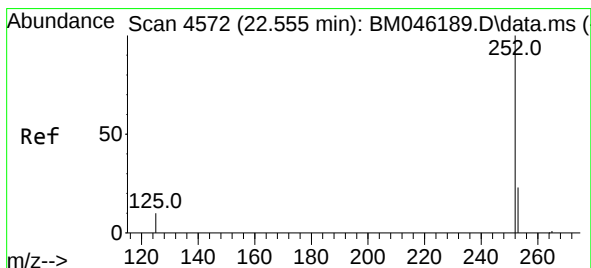
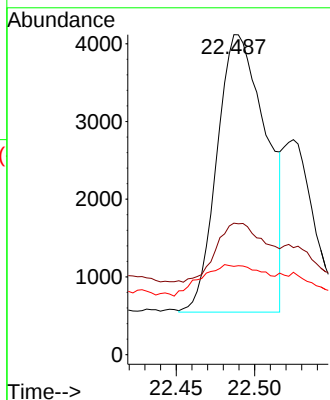
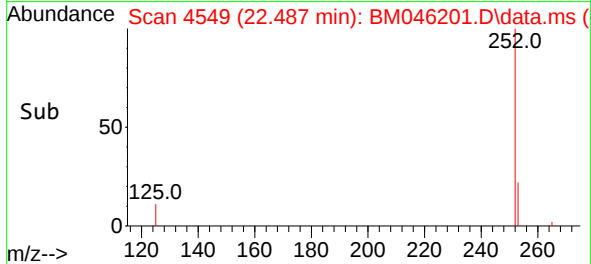
Instrument :  
BNA\_M  
ClientSampleId :  
A4C87



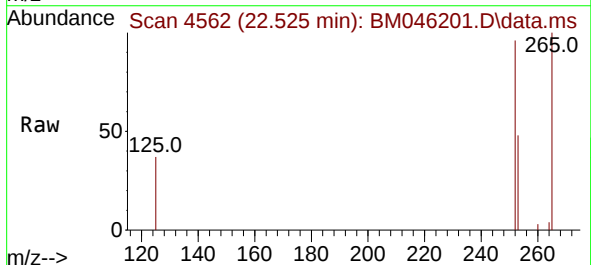
Tgt Ion:252 Resp: 7794  
Ion Ratio Lower Upper  
252 100  
253 41.1 0.0 65.8  
125 27.6 0.0 40.2

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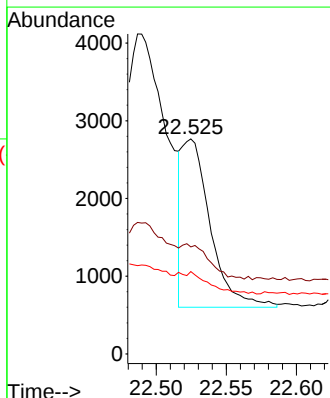
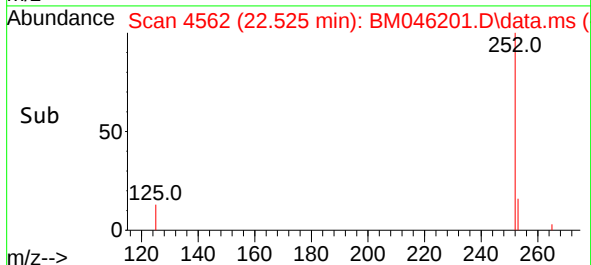
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

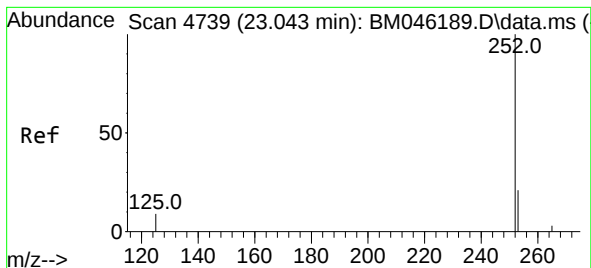


#25  
Benzo(k)fluoranthene  
Concen: 0.123 ng/ul m  
RT: 22.525 min Scan# 4562  
Delta R.T. -0.039 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05



Tgt Ion:252 Resp: 3039  
Ion Ratio Lower Upper  
252 100  
253 49.7 27.2 40.8#  
125 38.3 16.6 25.0#





#26

Benzo(a)pyrene

Concen: 0.290 ng/ul

RT: 23.010 min Scan# 41

Delta R.T. -0.044 min

Lab File: BM046201.D

Acq: 22 Jun 2024 17:05

Instrument :

BNA\_M

ClientSampleId :

A4C87

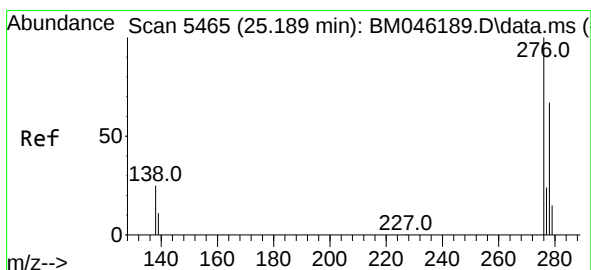
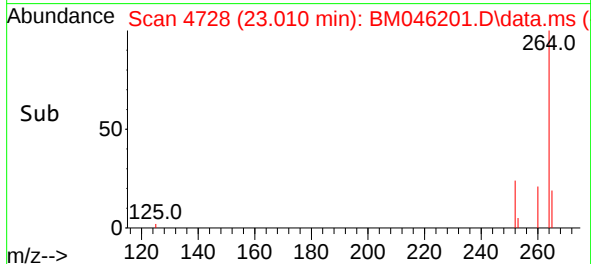
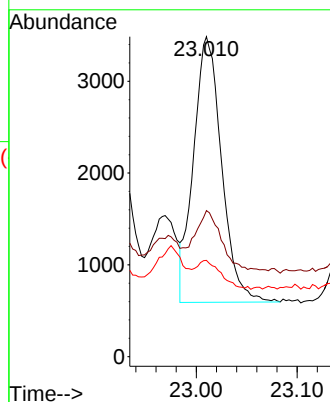
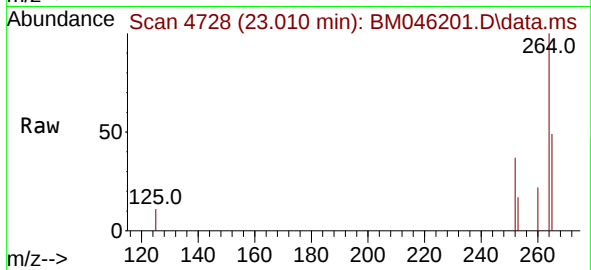
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 5594      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 45.7  | 32.1 48.1 |
| 125         | 30.1  | 21.2 31.8 |

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/24/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.135 ng/ul

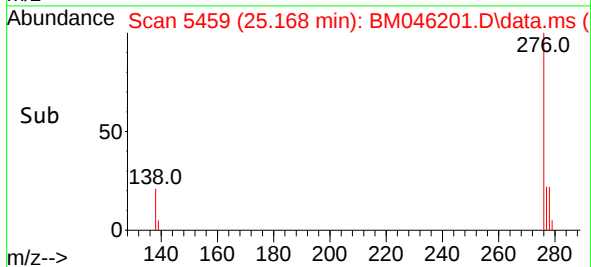
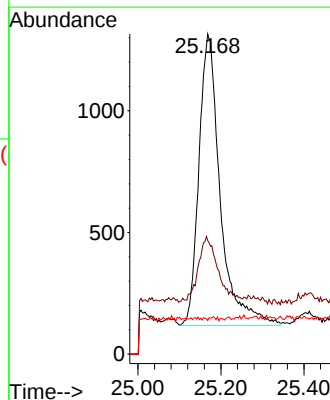
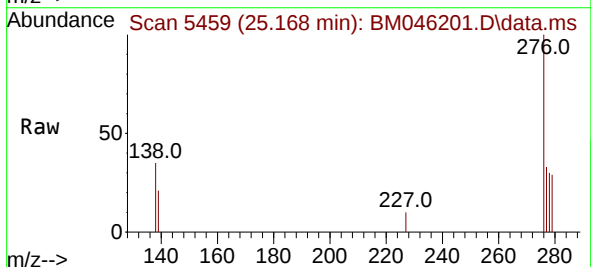
RT: 25.168 min Scan# 5459

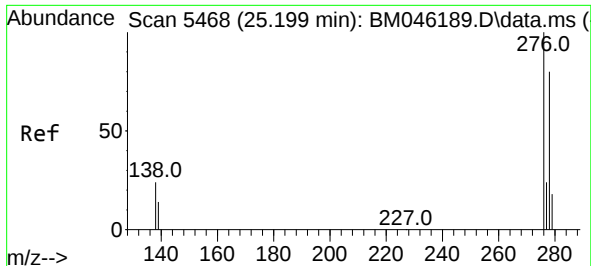
Delta R.T. -0.034 min

Lab File: BM046201.D

Acq: 22 Jun 2024 17:05

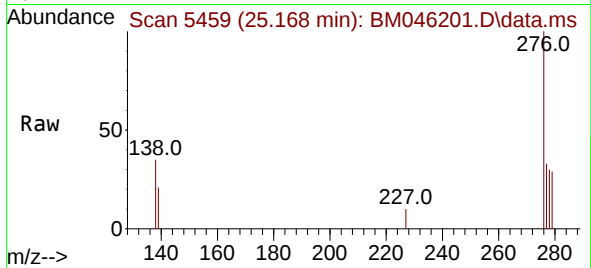
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:276 | Resp: | 4266       |
| Ion Ratio   | Lower | Upper      |
| 276         | 100   |            |
| 138         | 19.9  | 21.0 31.4# |
| 227         | 0.1   | 0.0 0.0#   |





#28  
Dibenzo(a,h)anthracene  
Concen: 0.041 ng/ul  
RT: 25.168 min Scan# 5468  
Delta R.T. -0.048 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05

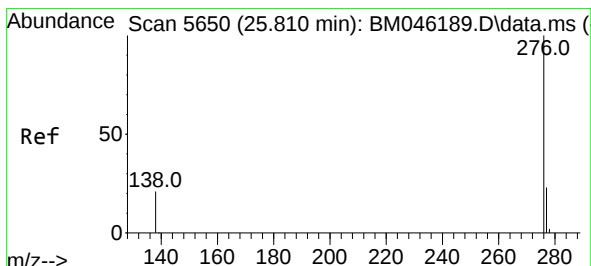
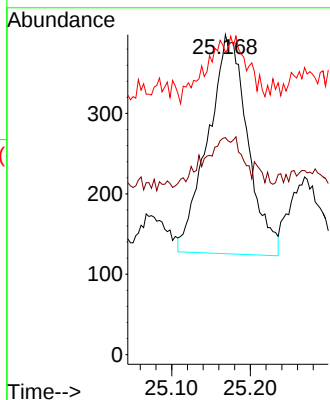
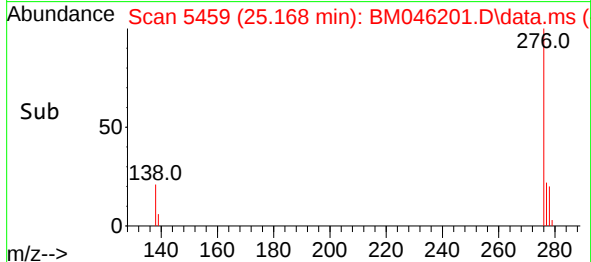
Instrument :  
BNA\_M  
ClientSampleId :  
A4C87



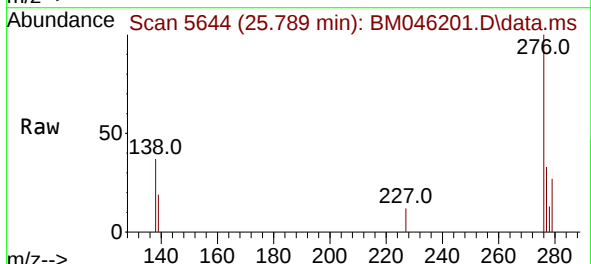
Tgt Ion:278 Resp: 950  
Ion Ratio Lower Upper  
278 100  
139 67.8 17.6 26.4#  
279 94.5 26.3 39.5#

Manual Integrations  
APPROVED

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



#29  
Benzo(g,h,i)perylene  
Concen: 0.156 ng/ul  
RT: 25.789 min Scan# 5644  
Delta R.T. -0.041 min  
Lab File: BM046201.D  
Acq: 22 Jun 2024 17:05



Tgt Ion:276 Resp: 4228  
Ion Ratio Lower Upper  
276 100  
138 36.9 21.7 32.5#  
277 33.2 20.4 30.6#

