

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046250.D  
 Acq On : 24 Jun 2024 13:14  
 Operator : MA/JU  
 Sample : P2776-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CY6

Manual Integrations  
 APPROVED

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

Quant Time: Jun 24 13:46:12 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   | 7.405  | 152  | 2092     | 0.400 | ng/ul  | -0.06    |
| 4) Naphthalene-d8           | 10.176 | 136  | 6657     | 0.400 | ng/ul  | -0.08    |
| 9) Acenaphthene-d10         | 14.052 | 164  | 3777     | 0.400 | ng/ul  | #-0.06   |
| 13) Phenanthrene-d10        | 16.798 | 188  | 8147m    | 0.400 | ng/ul  | -0.06    |
| 17) Chrysene-d12            | 21.003 | 240  | 6279m    | 0.400 | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.090 | 264  | 6843m    | 0.400 | ng/ul  | -0.05    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.021  | 96   | 8584     | 2.991 | ng/ul  | -0.03    |
| 6) 2-Methylnaphthalene-d10  | 11.804 | 152  | 1982     | 0.222 | ng/ul  | -0.06    |
| 18) Fluoranthene-d10        | 18.834 | 212  | 4583     | 0.244 | ng/ul  | -0.05    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.226 | 128  | 2401     | 0.129 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 11.876 | 142  | 763      | 0.073 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.090 | 142  | 579      | 0.051 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.770 | 152  | 4712     | 0.263 | ng/ul# | 95       |
| 11) Acenaphthene            | 14.117 | 153  | 2096     | 0.162 | ng/ul  | 97       |
| 12) Fluorene                | 15.112 | 166  | 2436     | 0.176 | ng/ul# | 99       |
| 15) Phenanthrene            | 16.840 | 178  | 50512m   | 2.207 | ng/ul  |          |
| 16) Anthracene              | 16.933 | 178  | 10874m   | 0.638 | ng/ul  |          |
| 19) Fluoranthene            | 18.861 | 202  | 113038   | 4.158 | ng/ul  | 97       |
| 20) Pyrene                  | 19.224 | 202  | 121229   | 4.123 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 20.986 | 228  | 52975    | 2.184 | ng/ul  | 98       |
| 22) Chrysene                | 21.038 | 228  | 51357    | 1.659 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.479 | 252  | 80891m   | 3.281 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.511 | 252  | 31032m   | 1.059 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 22.999 | 252  | 66762m   | 2.922 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.135 | 276  | 47431    | 1.269 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.135 | 278  | 9595     | 0.345 | ng/ul# | 89       |
| 29) Benzo(g,h,i)perylene    | 25.756 | 276  | 13368    | 0.417 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

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

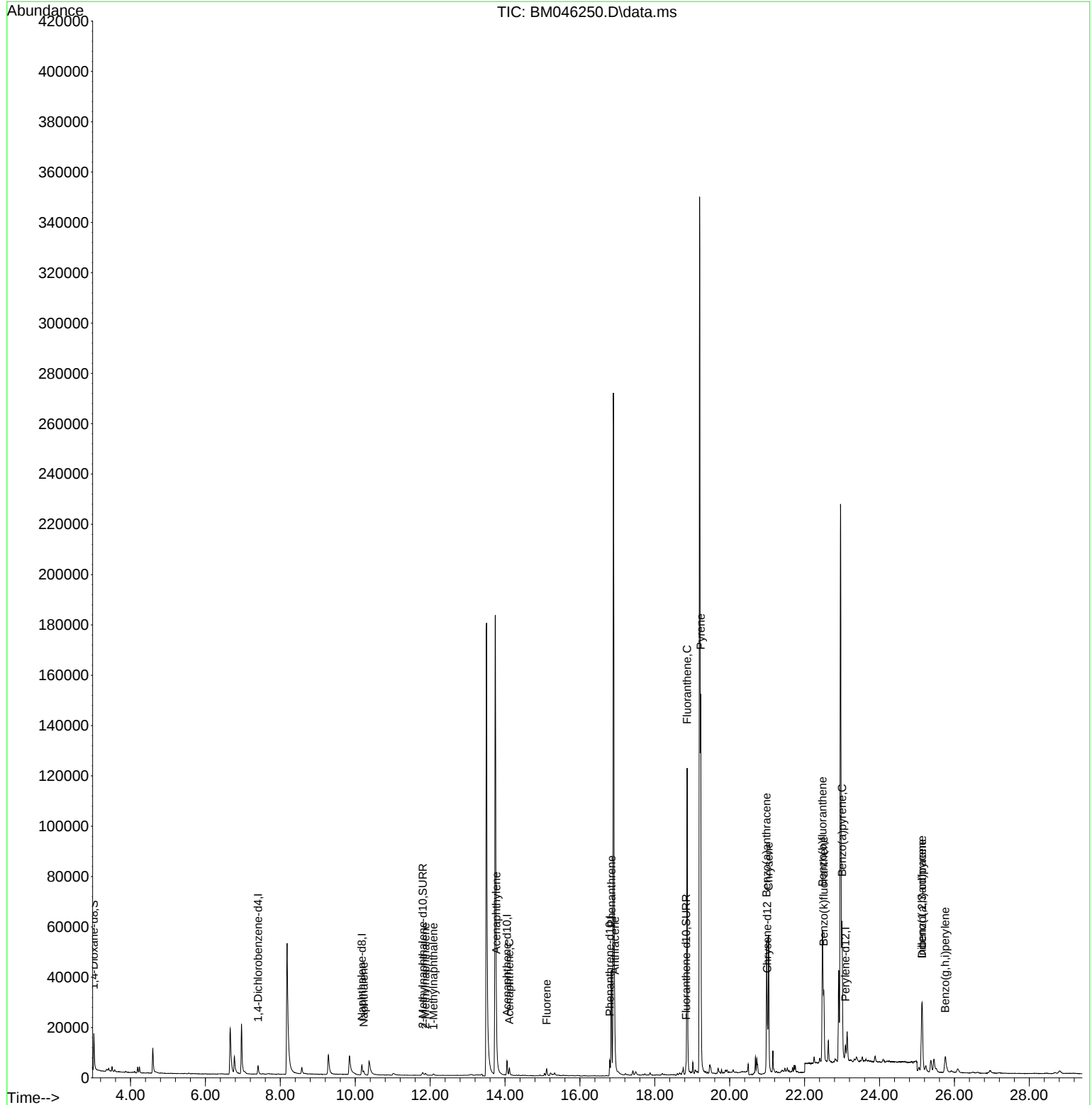
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046250.D  
Acq On : 24 Jun 2024 13:14  
Operator : MA/JU  
Sample : P2776-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

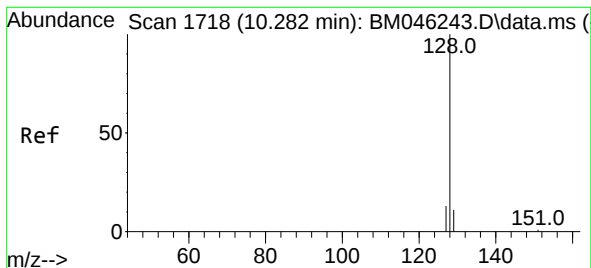
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6

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

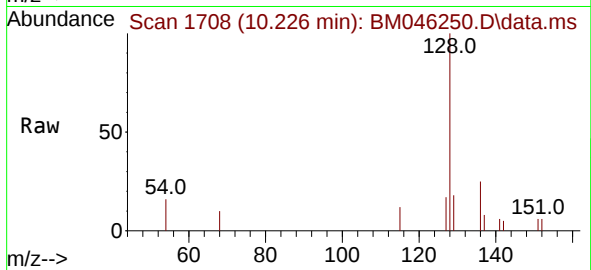
Quant Time: Jun 24 13:46:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 24 02:25:34 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.129 ng/ul  
RT: 10.226 min Scan# 1718  
Delta R.T. -0.077 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

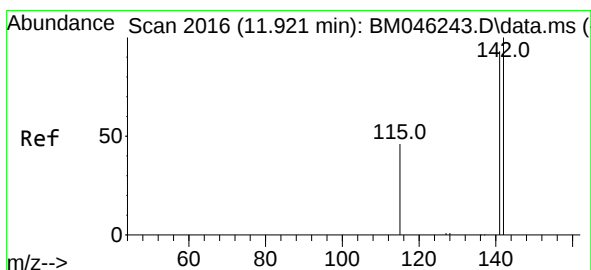
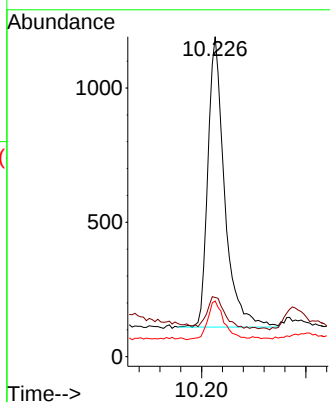
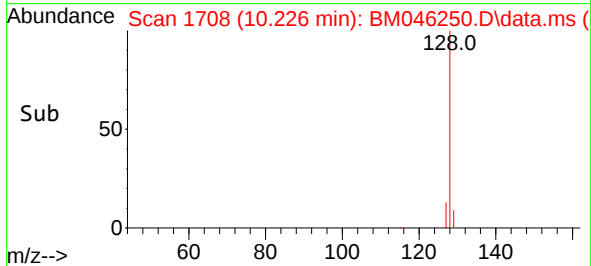
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6



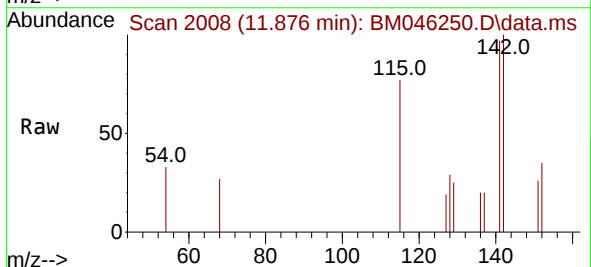
Tgt Ion:128 Resp: 240  
Ion Ratio Lower Upper  
128 100  
129 18.5 11.8 17.6  
127 17.4 12.8 19.2

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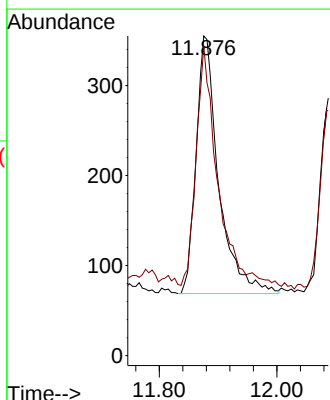
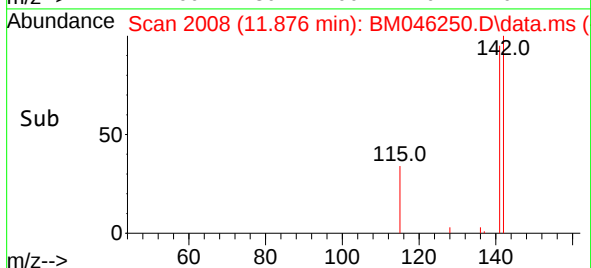
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024

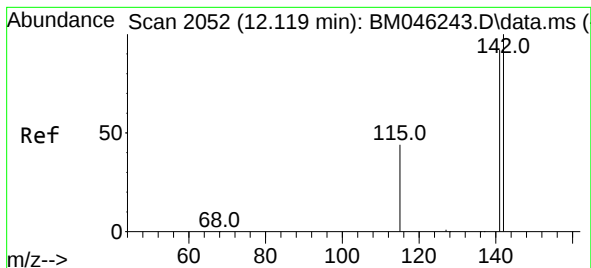


#7  
2-Methylnaphthalene  
Concen: 0.073 ng/ul  
RT: 11.876 min Scan# 2008  
Delta R.T. -0.071 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14



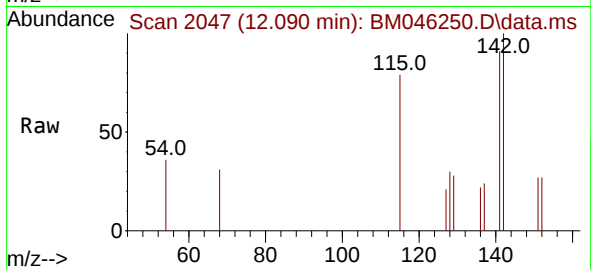
Tgt Ion:142 Resp: 763  
Ion Ratio Lower Upper  
142 100  
141 88.7 74.6 111.8





#8  
1-Methylnaphthalene  
Concen: 0.051 ng/u1  
RT: 12.090 min Scan# 2047  
Delta R.T. -0.060 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

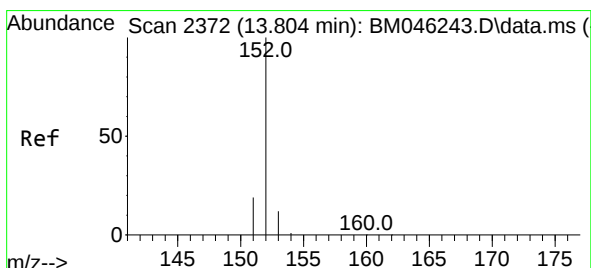
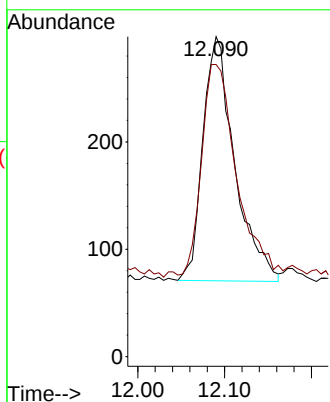
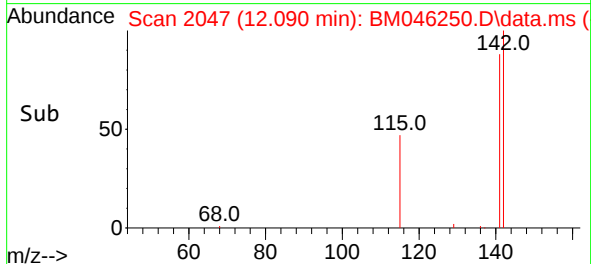
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:142 Resp: 579  
Ion Ratio Lower Upper  
142 100  
141 93.4 75.2 112.8

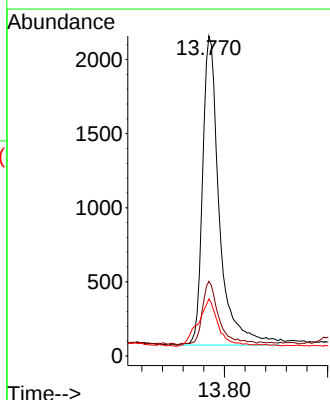
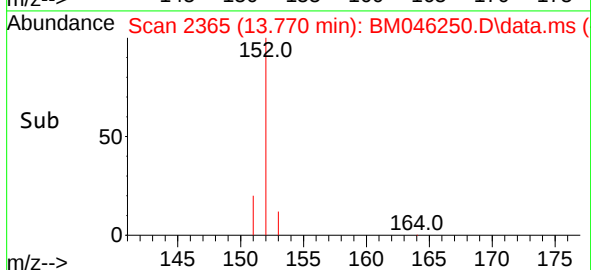
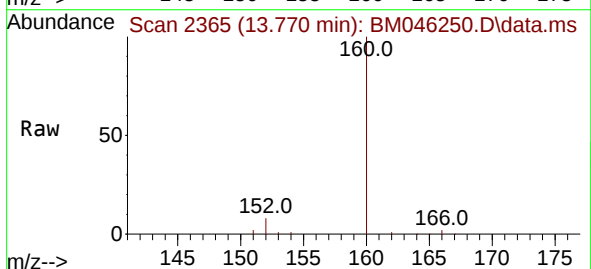
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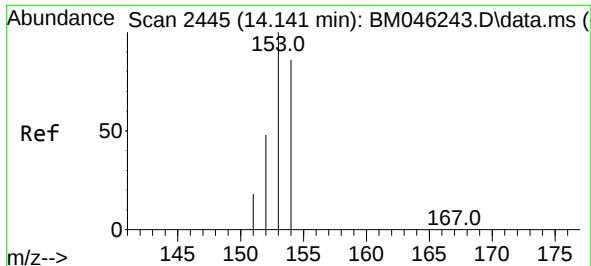
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#10  
Acenaphthylene  
Concen: 0.263 ng/u1  
RT: 13.770 min Scan# 2365  
Delta R.T. -0.065 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

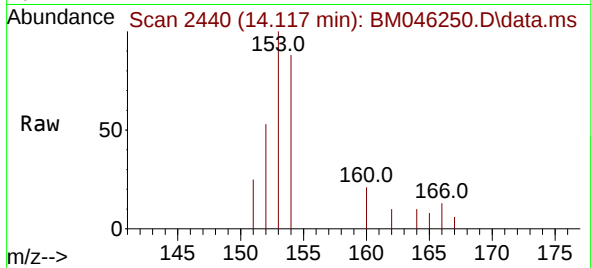
Tgt Ion:152 Resp: 4712  
Ion Ratio Lower Upper  
152 100  
151 23.3 17.4 26.2  
153 17.8 11.8 17.8#





#11  
Acenaphthene  
Concen: 0.162 ng/ul  
RT: 14.117 min Scan# 2440  
Delta R.T. -0.055 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

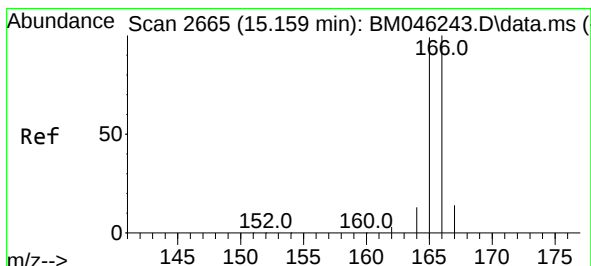
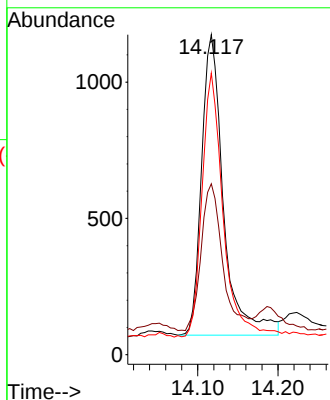
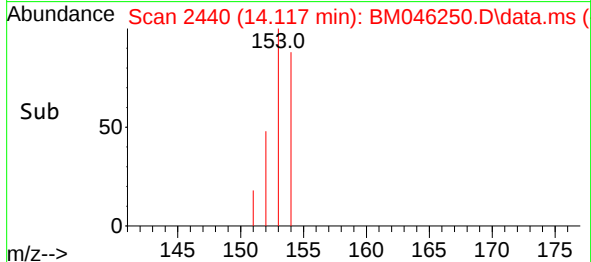
Instrument :  
BNA\_M  
ClientSampleId :  
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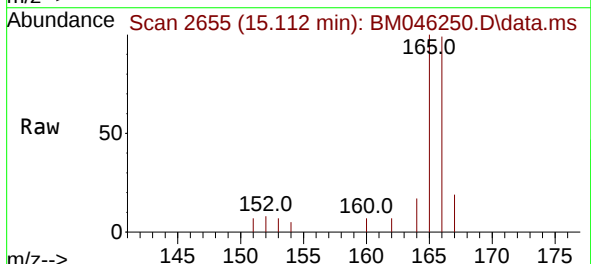
Tgt Ion:153 Resp: 2090  
Ion Ratio Lower Upper  
153 100  
152 53.4 41.3 61.9  
154 88.0 68.2 102.4

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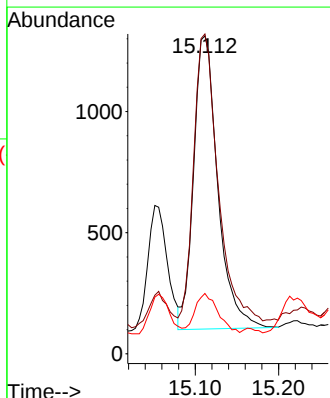
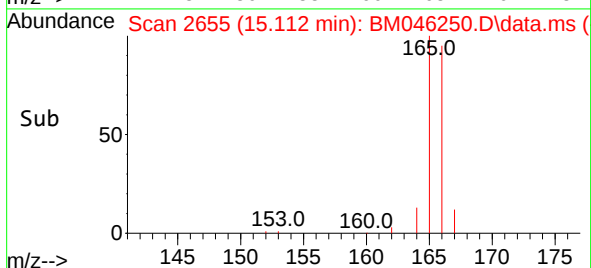
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024

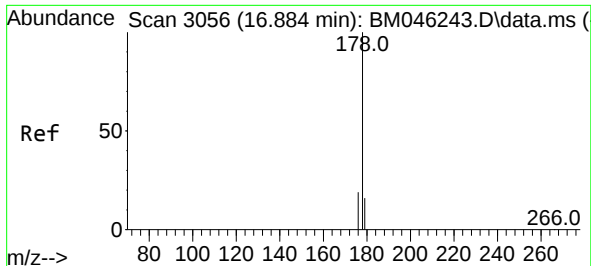


#12  
Fluorene  
Concen: 0.176 ng/ul  
RT: 15.112 min Scan# 2655  
Delta R.T. -0.069 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14



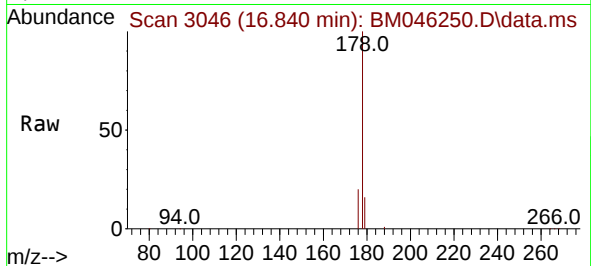
Tgt Ion:166 Resp: 2436  
Ion Ratio Lower Upper  
166 100  
165 100.6 80.4 120.6  
167 19.0 12.4 18.6#





#15  
Phenanthrene  
Concen: 2.207 ng/ul m  
RT: 16.840 min Scan# 3056  
Delta R.T. -0.063 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

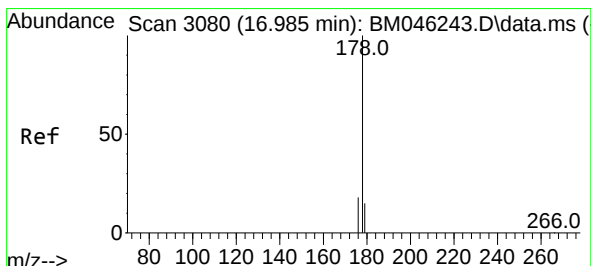
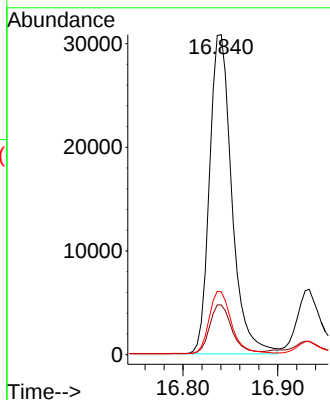
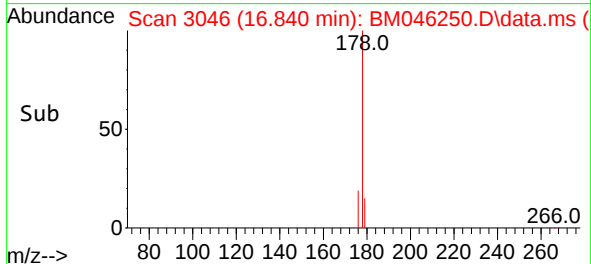
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6



Tgt Ion:178 Resp: 5051  
Ion Ratio Lower Upper  
178 100  
179 15.5 14.2 21.2  
176 19.6 17.1 25.7

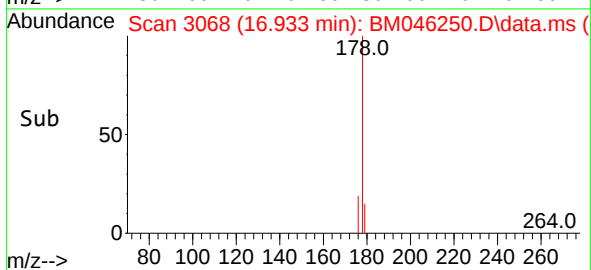
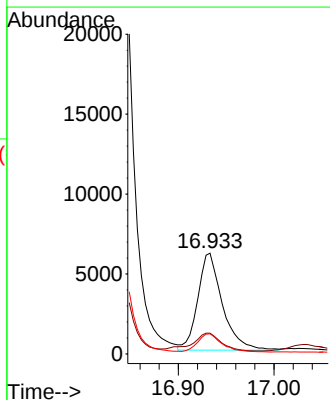
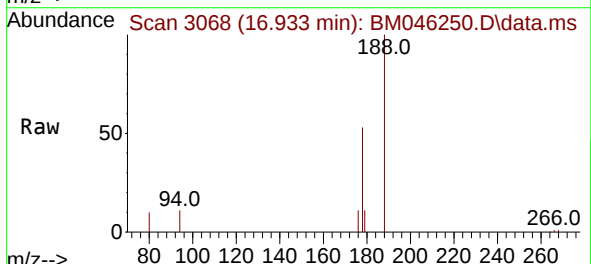
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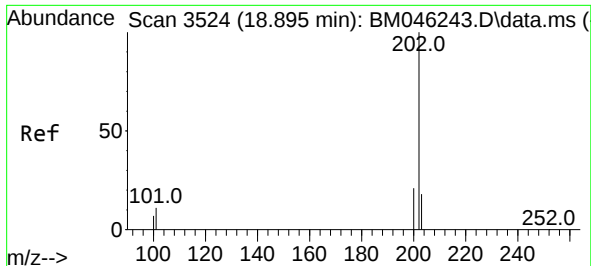
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#16  
Anthracene  
Concen: 0.638 ng/ul m  
RT: 16.933 min Scan# 3068  
Delta R.T. -0.072 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

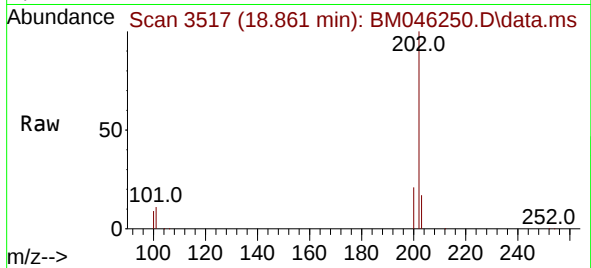
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Ion Ratio Lower Upper  
178 100  
179 20.6 14.9 22.3  
176 20.0 17.0 25.4





#19  
Fluoranthene  
Concen: 4.158 ng/ul  
RT: 18.861 min Scan# 3517  
Delta R.T. -0.056 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

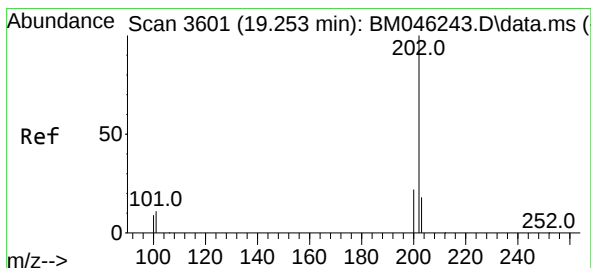
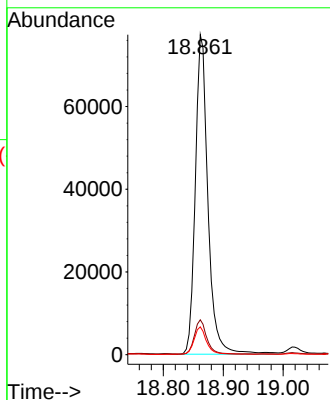
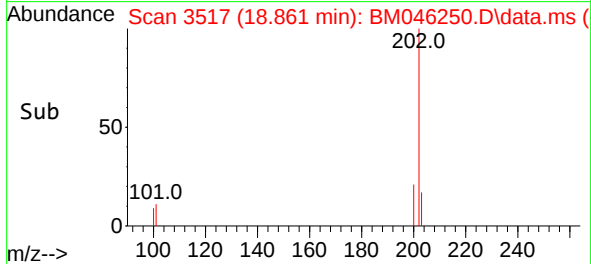
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6



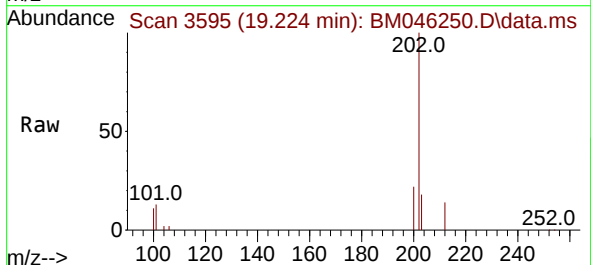
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Ion Ratio Lower Upper  
202 100  
101 10.9 9.6 14.4  
100 8.7 7.6 11.4

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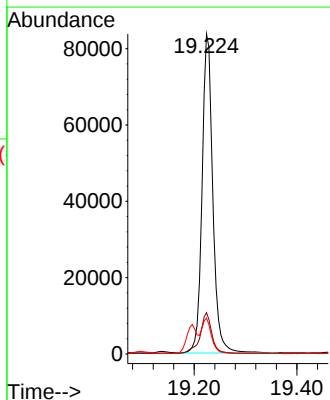
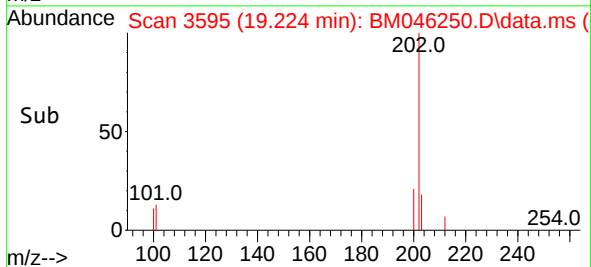
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024

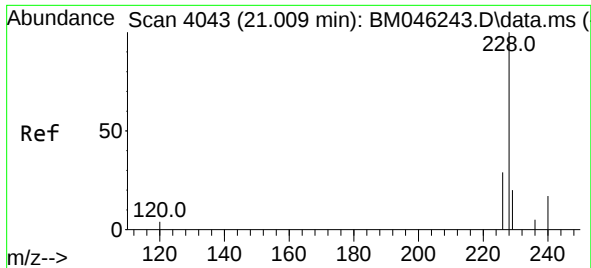


#20  
Pyrene  
Concen: 4.123 ng/ul  
RT: 19.224 min Scan# 3595  
Delta R.T. -0.051 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14



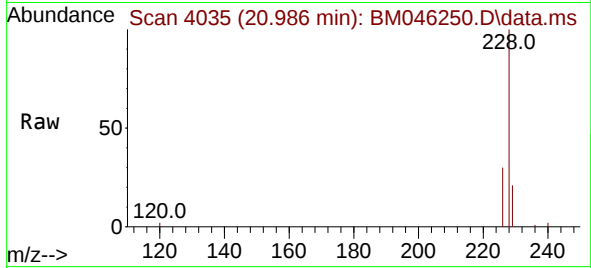
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Ion Ratio Lower Upper  
202 100  
101 12.9 11.3 16.9  
100 11.2 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 2.184 ng/u1  
RT: 20.986 min Scan# 4043  
Delta R.T. -0.044 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

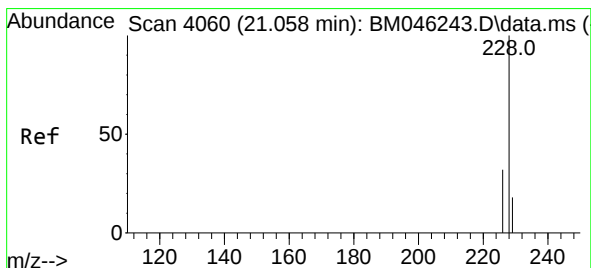
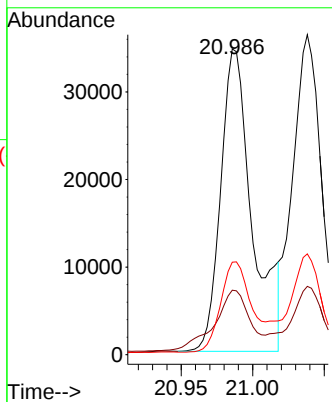
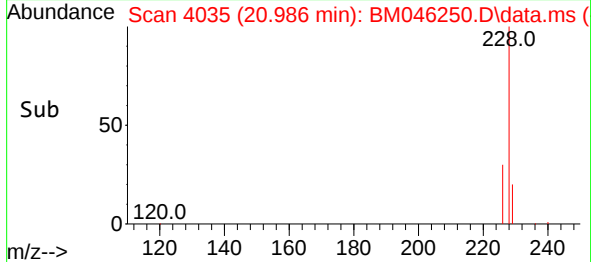
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6



Tgt Ion:228 Resp: 5297  
Ion Ratio Lower Upper  
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229 21.1 16.4 24.6  
226 30.3 23.4 35.2

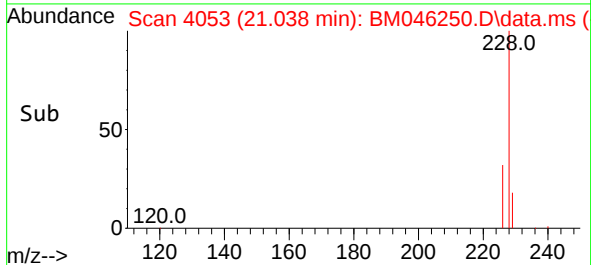
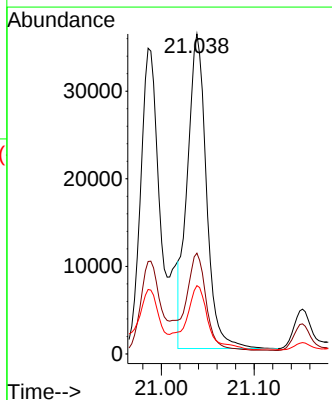
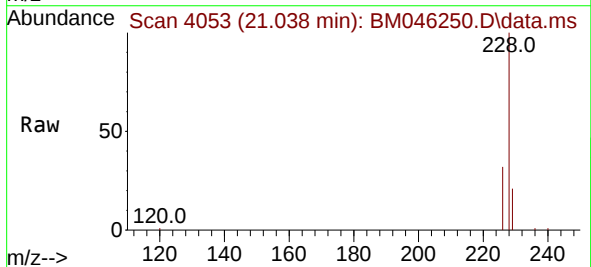
Manual Integrations  
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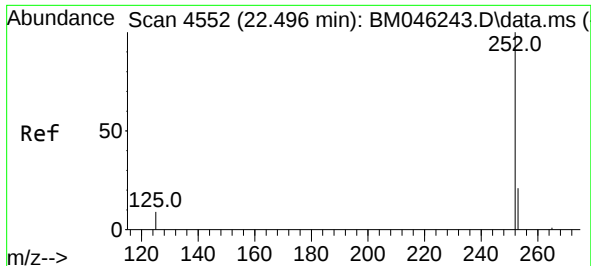
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#22  
Chrysene  
Concen: 1.659 ng/u1  
RT: 21.038 min Scan# 4053  
Delta R.T. -0.038 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

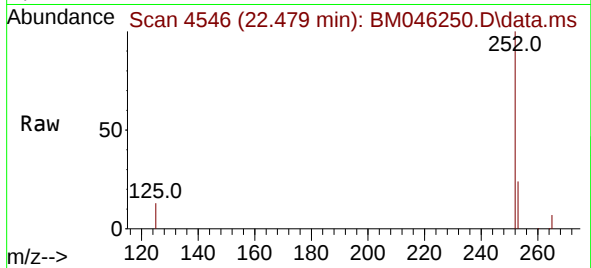
Tgt Ion:228 Resp: 51357  
Ion Ratio Lower Upper  
228 100  
226 31.5 25.2 37.8  
229 21.3 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 3.281 ng/ul m  
RT: 22.479 min Scan# 4546  
Delta R.T. -0.041 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

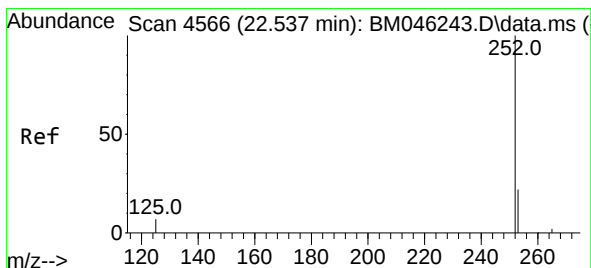
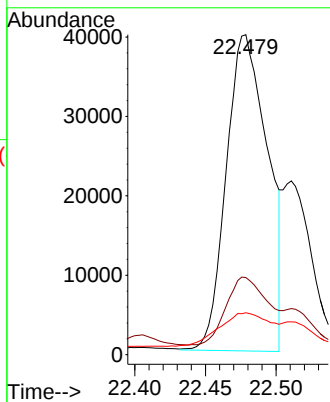
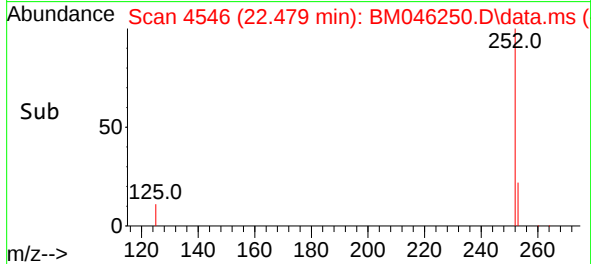
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6



Tgt Ion:252 Resp: 8089  
Ion Ratio Lower Upper  
252 100  
253 24.1 0.0 65.8  
125 13.1 0.0 40.2

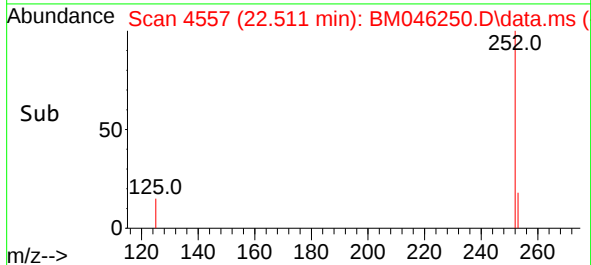
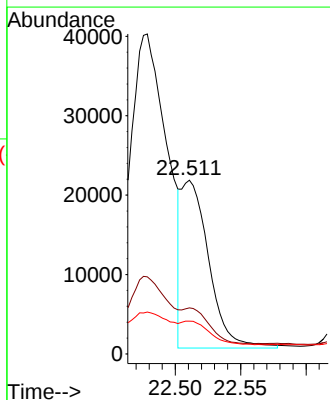
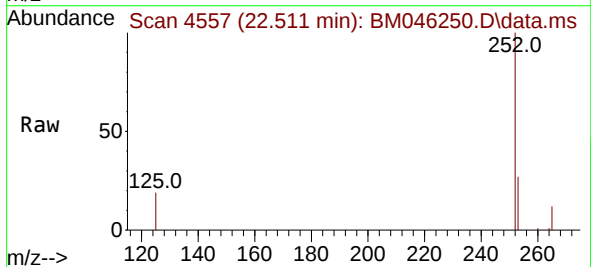
Manual Integrations  
APPROVED

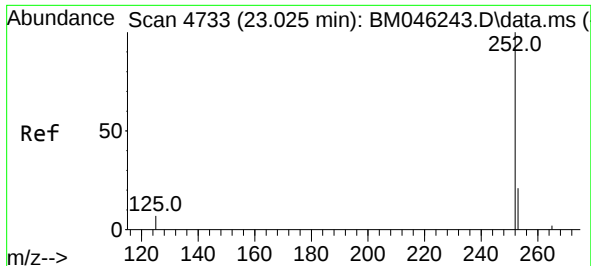
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#25  
Benzo(k)fluoranthene  
Concen: 1.059 ng/ul m  
RT: 22.511 min Scan# 4557  
Delta R.T. -0.053 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

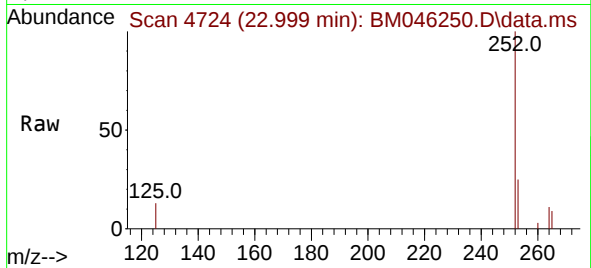
Tgt Ion:252 Resp: 31032  
Ion Ratio Lower Upper  
252 100  
253 26.6 27.2 40.8#  
125 18.9 16.6 25.0





#26  
Benzo(a)pyrene  
Concen: 2.922 ng/ul m  
RT: 22.999 min Scan# 41  
Delta R.T. -0.055 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

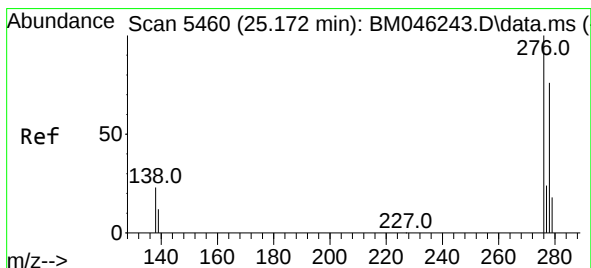
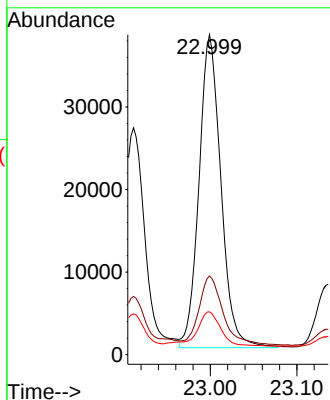
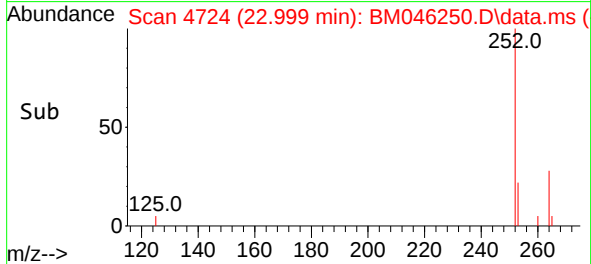
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6



Tgt Ion:252 Resp: 66762  
Ion Ratio Lower Upper  
252 100  
253 24.6 32.1 48.1  
125 13.4 21.2 31.8

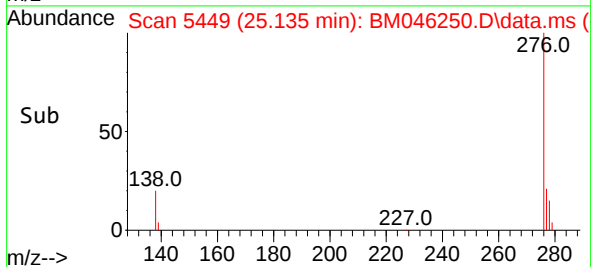
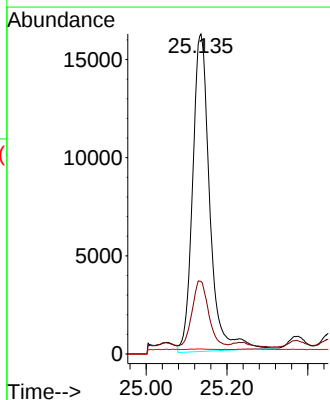
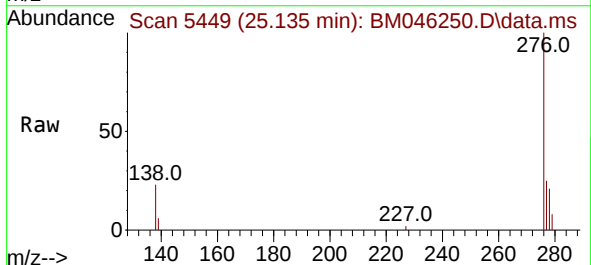
Manual Integrations  
APPROVED

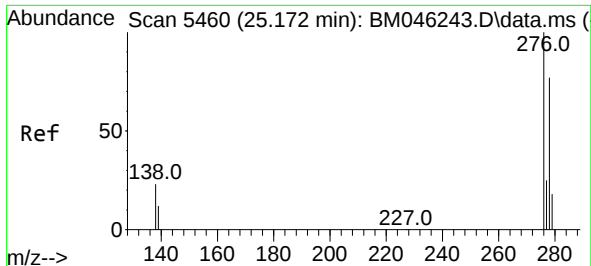
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.269 ng/ul  
RT: 25.135 min Scan# 5449  
Delta R.T. -0.067 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

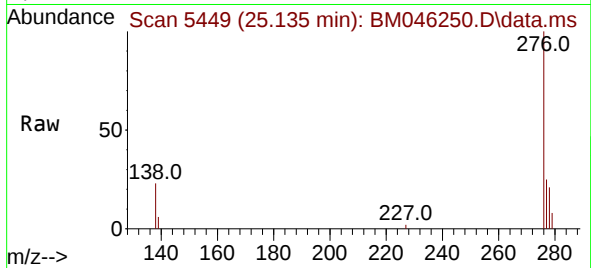
Tgt Ion:276 Resp: 47431  
Ion Ratio Lower Upper  
276 100  
138 25.5 21.0 31.4  
227 9.8 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.345 ng/ul  
RT: 25.135 min Scan# 5449  
Delta R.T. -0.080 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

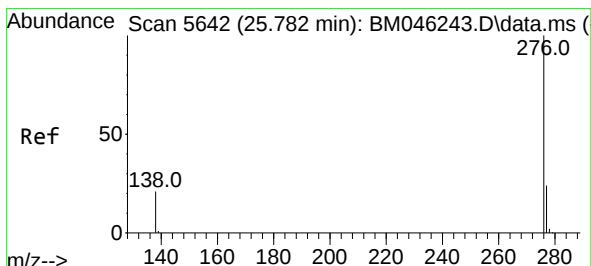
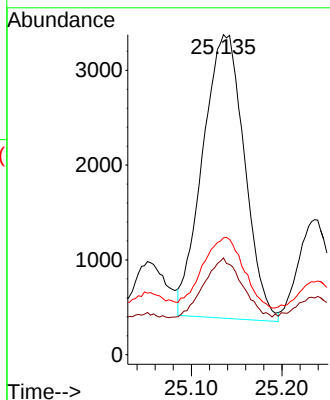
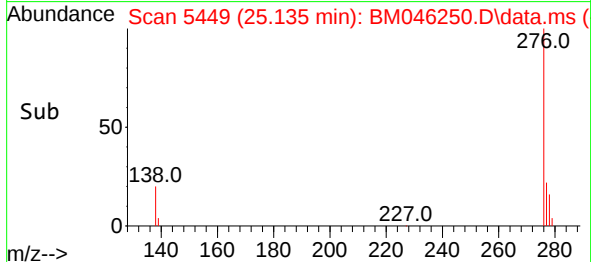
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6



Tgt Ion:278 Resp: 959  
Ion Ratio Lower Upper  
278 100  
139 30.3 17.6 26.4  
279 36.5 26.3 39.5

Manual Integrations  
APPROVED

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



#29  
Benzo(g,h,i)perylene  
Concen: 0.417 ng/ul  
RT: 25.756 min Scan# 5634  
Delta R.T. -0.074 min  
Lab File: BM046250.D  
Acq: 24 Jun 2024 13:14

Tgt Ion:276 Resp: 13368  
Ion Ratio Lower Upper  
276 100  
138 27.7 21.7 32.5  
277 29.2 20.4 30.6

