

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
 Data File : BM046074.D  
 Acq On : 19 Jun 2024 05:42  
 Operator : MA/JU  
 Sample : P2695-01DL 5X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BJ0DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 08:26:29 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   | 7.438  | 152  | 3300     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.226 | 136  | 9035     | 0.400 | ng/ul  | -0.03    |
| 9) Acenaphthene-d10         | 14.089 | 164  | 5005     | 0.400 | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.832 | 188  | 10131    | 0.400 | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.026 | 240  | 8678     | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.122 | 264  | 10059m   | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.042  | 96   | 4021     | 0.888 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.859 | 152  | 705      | 0.058 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.861 | 212  | 1602     | 0.062 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.275 | 128  | 929      | 0.037 | ng/ul# | 73       |
| 7) 2-Methylnaphthalene      | 11.930 | 142  | 423      | 0.030 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.139 | 142  | 446      | 0.029 | ng/ul  | 96       |
| 10) Acenaphthylene          | 13.807 | 152  | 1160     | 0.049 | ng/ul# | 82       |
| 11) Acenaphthene            | 14.149 | 153  | 2132     | 0.124 | ng/ul  | 100      |
| 12) Fluorene                | 15.144 | 166  | 2095     | 0.114 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.870 | 178  | 40313    | 1.416 | ng/ul  | 96       |
| 16) Anthracene              | 16.963 | 178  | 7475     | 0.353 | ng/ul  | 97       |
| 19) Fluoranthene            | 18.889 | 202  | 51782    | 1.378 | ng/ul  | 98       |
| 20) Pyrene                  | 19.252 | 202  | 40448    | 0.995 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.009 | 228  | 22534    | 0.672 | ng/ul  | 99       |
| 22) Chrysene                | 21.061 | 228  | 22014    | 0.515 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.502 | 252  | 27826m   | 0.768 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.537 | 252  | 10245m   | 0.238 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.028 | 252  | 11130    | 0.331 | ng/ul  | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.175 | 276  | 10520    | 0.191 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 25.179 | 278  | 3395     | 0.083 | ng/ul# | 71       |
| 29) Benzo(g,h,i)perylene    | 25.806 | 276  | 1709     | 0.036 | ng/ul# | 53       |
| -----                       |        |      |          |       |        |          |

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

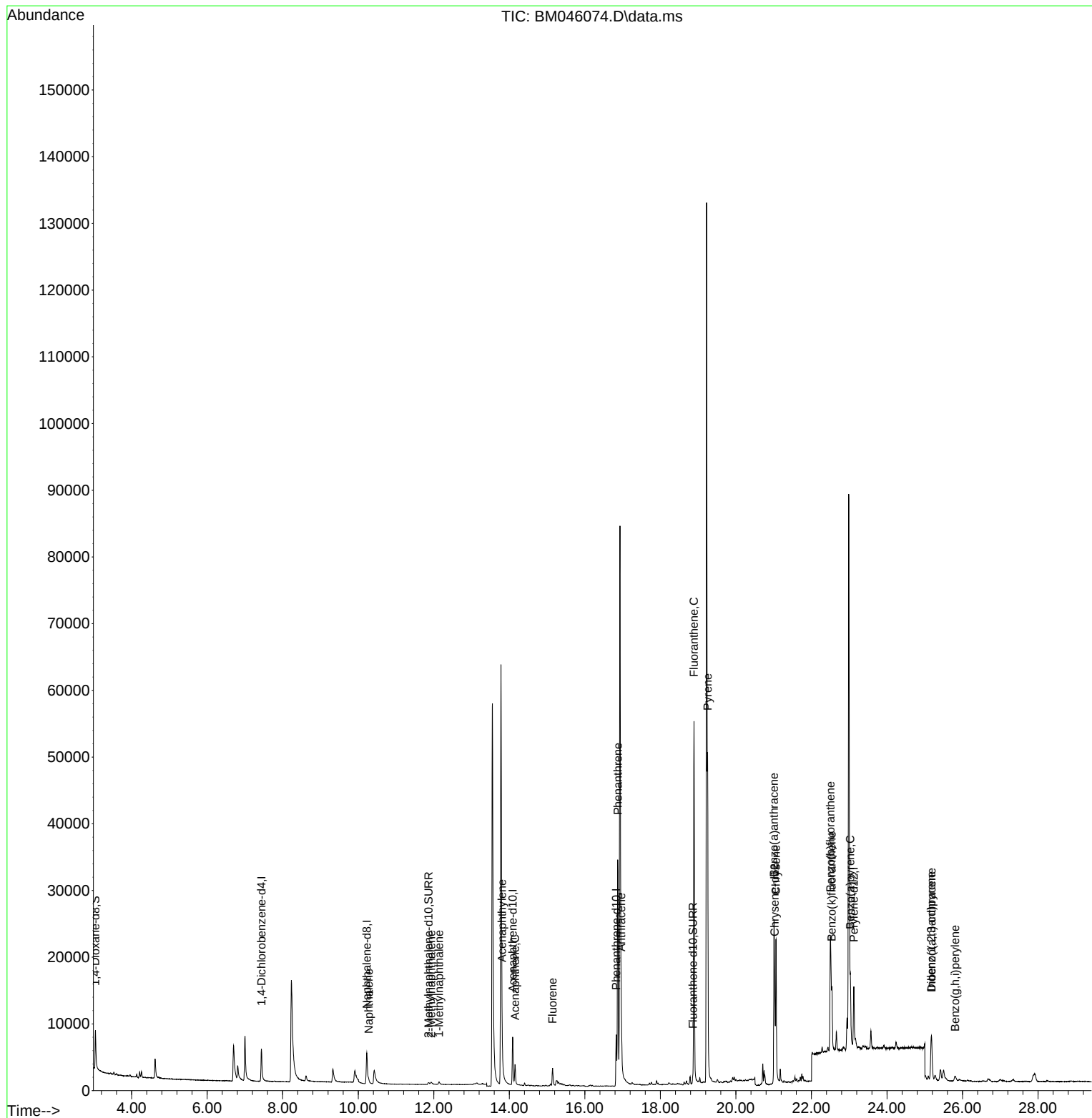
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046074.D  
Acq On : 19 Jun 2024 05:42  
Operator : MA/JU  
Sample : P2695-01DL 5X  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

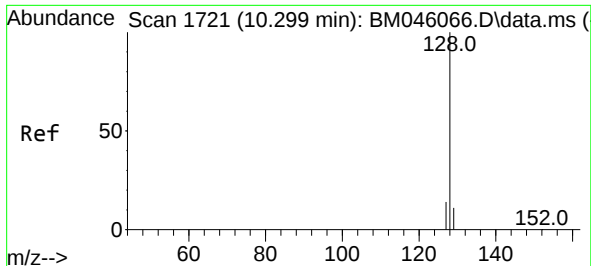
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL

Manual Integrations  
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Supervised By :mohammad ahmed 06/21/2024

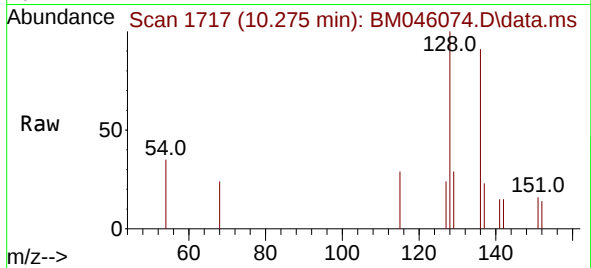
Quant Time: Jun 19 08:26:29 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.037 ng/ul  
RT: 10.275 min Scan# 1717  
Delta R.T. -0.028 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

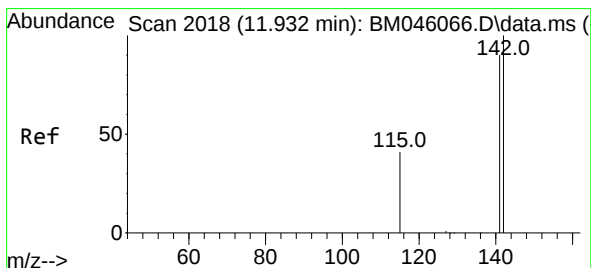
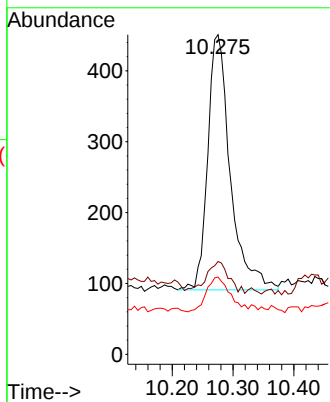
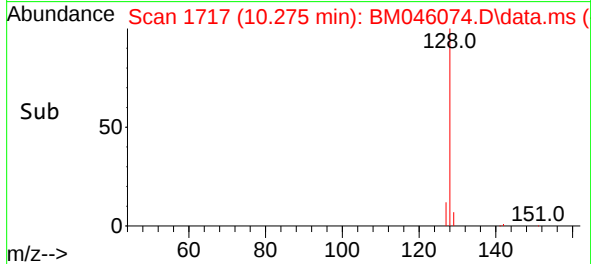
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL



Tgt Ion:128 Resp: 929  
Ion Ratio Lower Upper  
128 100  
129 29.0 11.8 17.6  
127 24.2 12.8 19.2

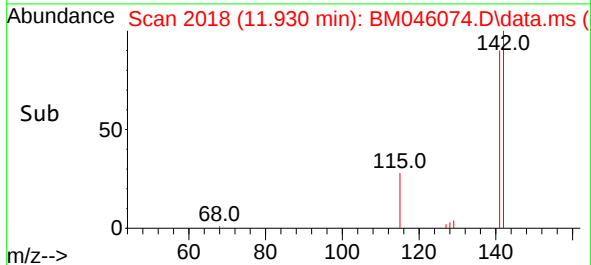
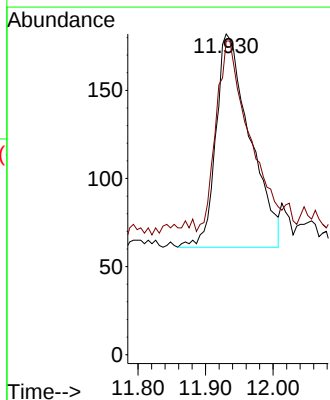
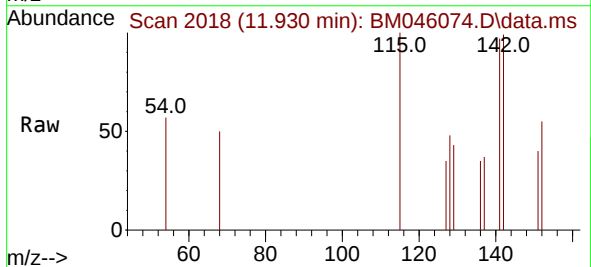
Manual Integrations  
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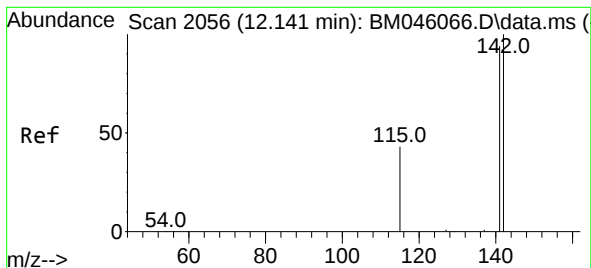
Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



#7  
2-Methylnaphthalene  
Concen: 0.030 ng/ul  
RT: 11.930 min Scan# 2018  
Delta R.T. -0.017 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

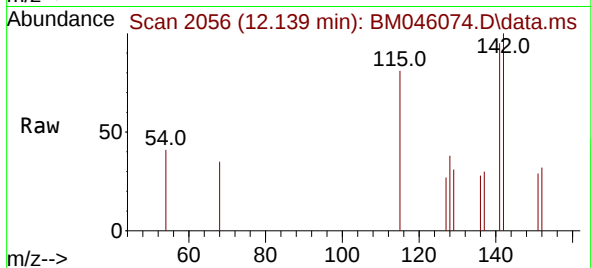
Tgt Ion:142 Resp: 423  
Ion Ratio Lower Upper  
142 100  
141 90.8 74.6 111.8





#8  
1-Methylnaphthalene  
Concen: 0.029 ng/ul  
RT: 12.139 min Scan# 2056  
Delta R.T. -0.011 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

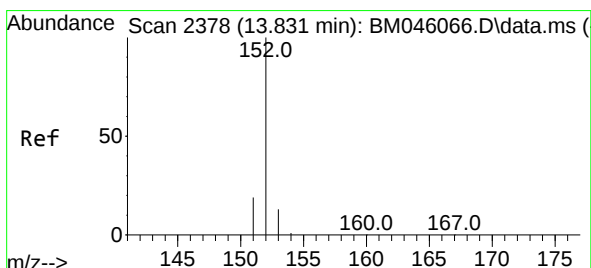
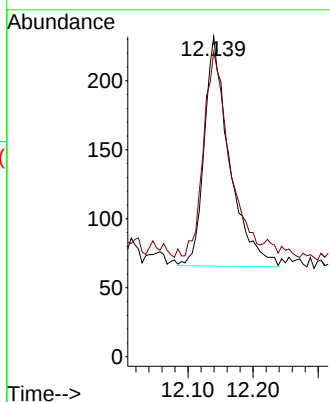
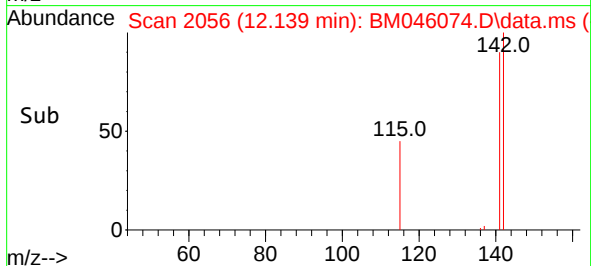
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL



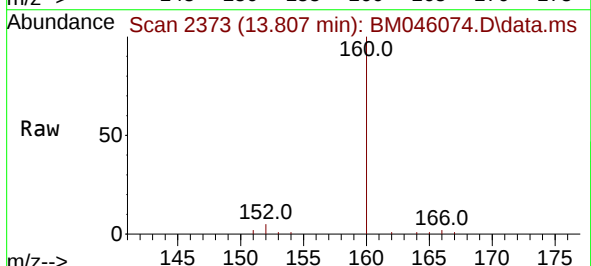
Tgt Ion:142 Resp: 440  
Ion Ratio Lower Upper  
142 100  
141 97.8 75.2 112.8

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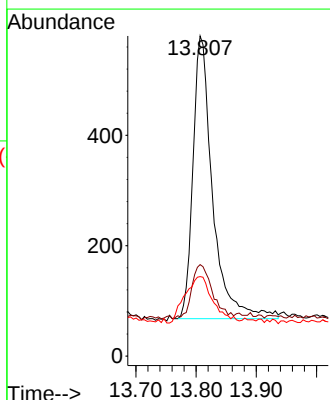
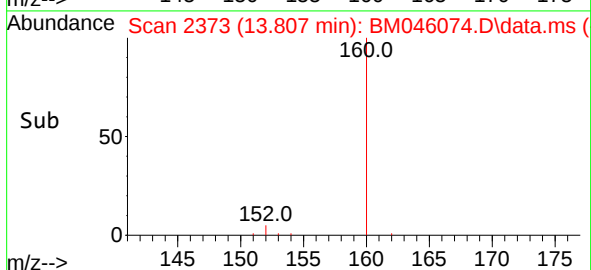
Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024

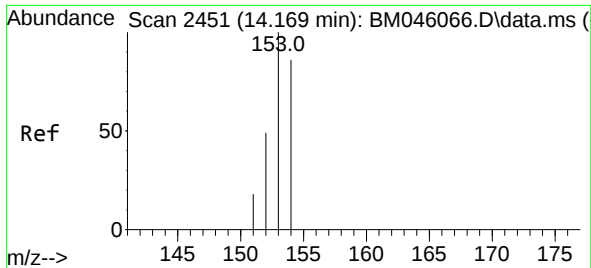


#10  
Acenaphthylene  
Concen: 0.049 ng/ul  
RT: 13.807 min Scan# 2373  
Delta R.T. -0.028 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42



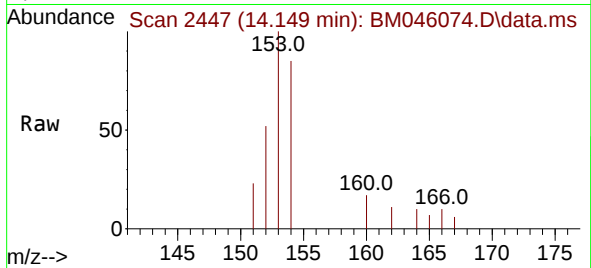
Tgt Ion:152 Resp: 1160  
Ion Ratio Lower Upper  
152 100  
151 28.6 17.4 26.2#  
153 24.8 11.8 17.8#





#11  
Acenaphthene  
Concen: 0.124 ng/ul  
RT: 14.149 min Scan# 2451  
Delta R.T. -0.023 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

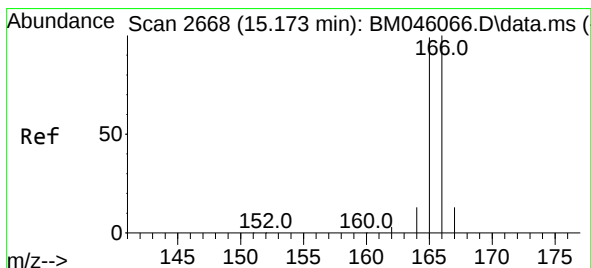
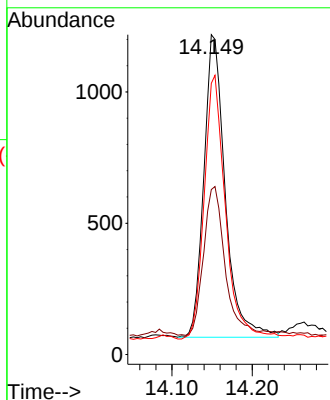
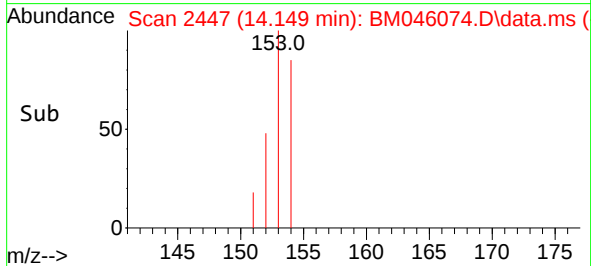
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL



Tgt Ion:153 Resp: 213  
Ion Ratio Lower Upper  
153 100  
152 51.6 41.3 61.9  
154 84.8 68.2 102.4

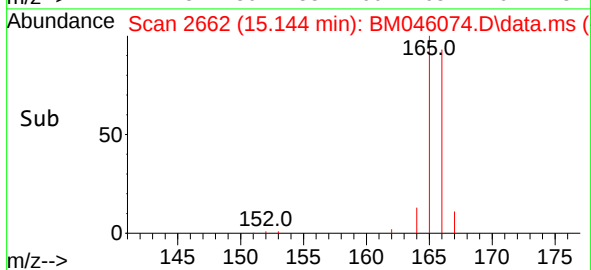
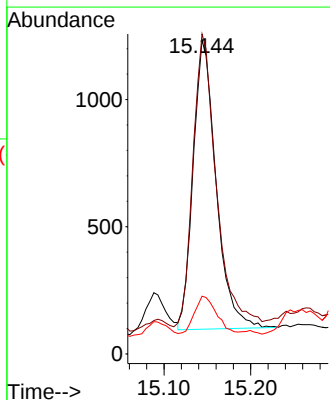
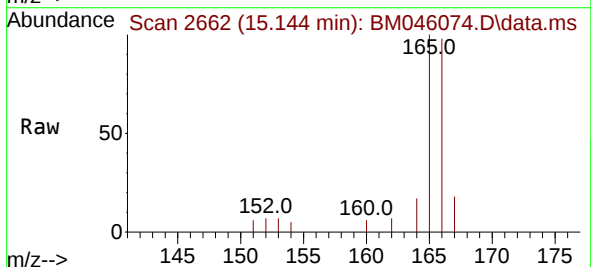
Manual Integrations  
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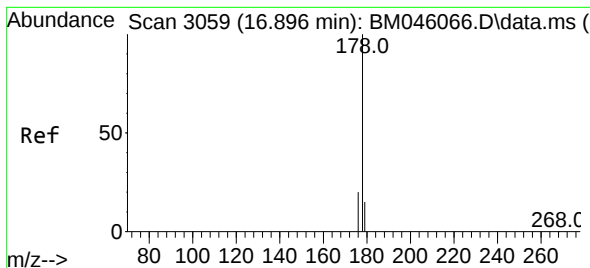
Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



#12  
Fluorene  
Concen: 0.114 ng/ul  
RT: 15.144 min Scan# 2662  
Delta R.T. -0.037 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

Tgt Ion:166 Resp: 2095  
Ion Ratio Lower Upper  
166 100  
165 101.9 80.4 120.6  
167 18.4 12.4 18.6





#15

Phenanthrene

Concen: 1.416 ng/ul

RT: 16.870 min Scan# 3053

Delta R.T. -0.034 min

Lab File: BM046074.D

Acq: 19 Jun 2024 05:42

Instrument :

BNA\_M

ClientSampleId :

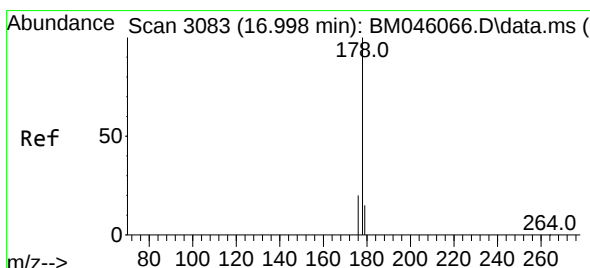
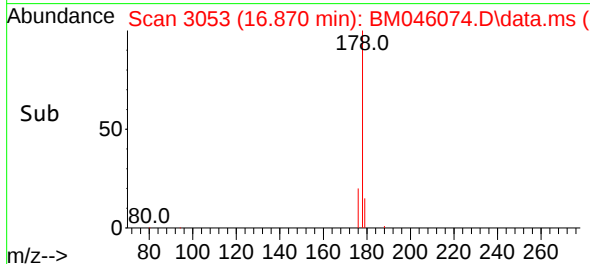
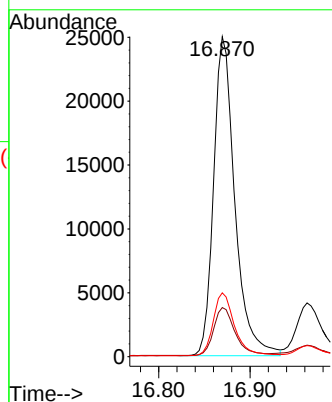
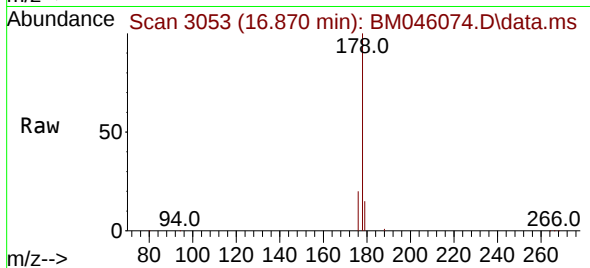
A4BJ0DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4031 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 15.4  | 14.2  | 21.2 |
| 176       | 20.0  | 17.1  | 25.7 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



#16

Anthracene

Concen: 0.353 ng/ul

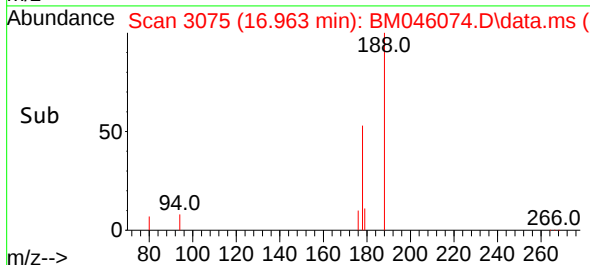
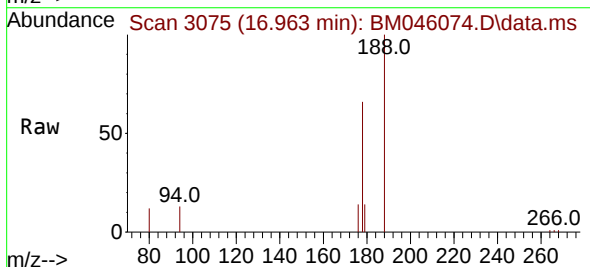
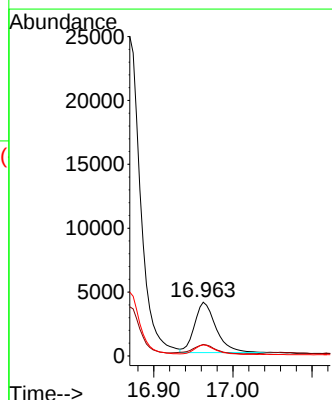
RT: 16.963 min Scan# 3075

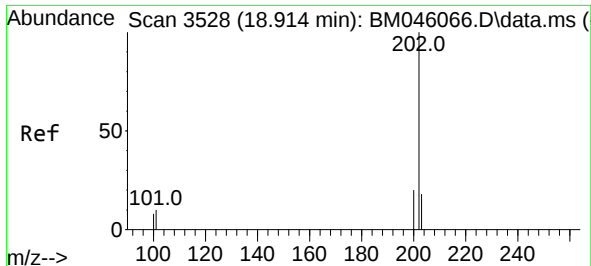
Delta R.T. -0.042 min

Lab File: BM046074.D

Acq: 19 Jun 2024 05:42

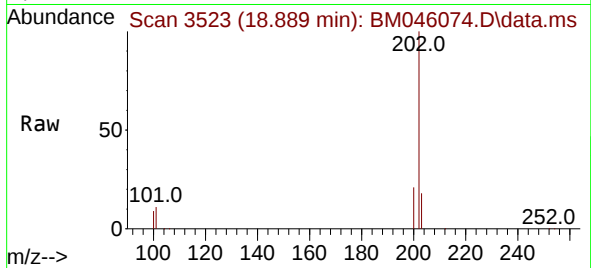
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 7475 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 21.4  | 14.9  | 22.3 |
| 176       | 20.7  | 17.0  | 25.4 |





#19  
Fluoranthene  
Concen: 1.378 ng/u1  
RT: 18.889 min Scan# 3523  
Delta R.T. -0.028 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

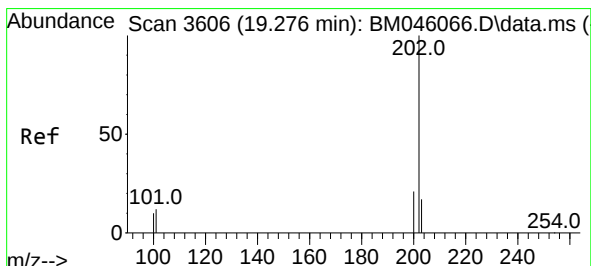
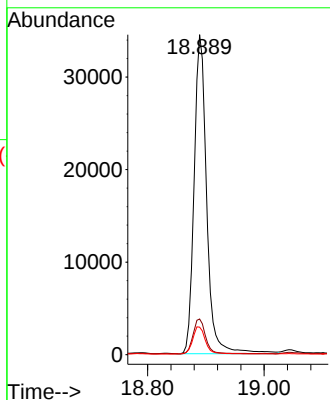
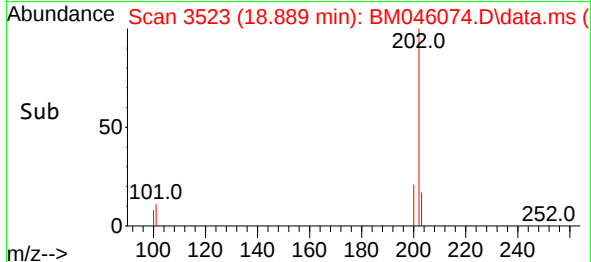
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL



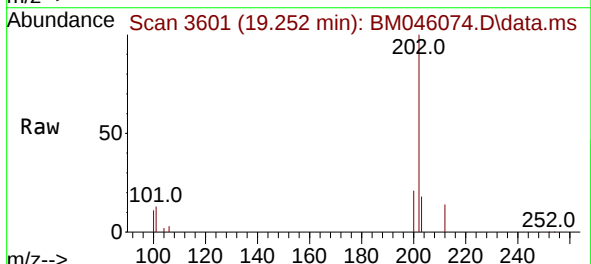
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Ion Ratio Lower Upper  
202 100  
101 11.1 9.6 14.4  
100 8.6 7.6 11.4

Manual Integrations  
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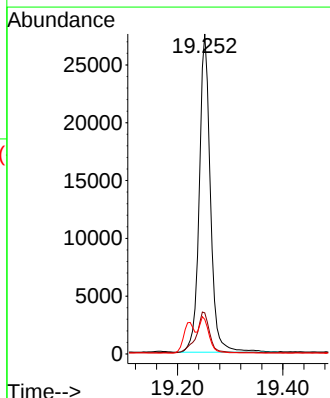
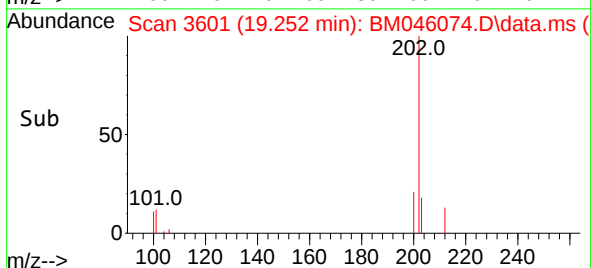
Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024

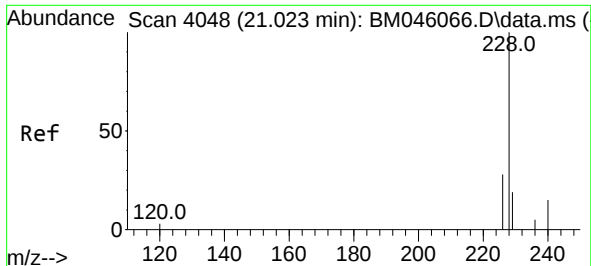


#20  
Pyrene  
Concen: 0.995 ng/u1  
RT: 19.252 min Scan# 3601  
Delta R.T. -0.023 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42



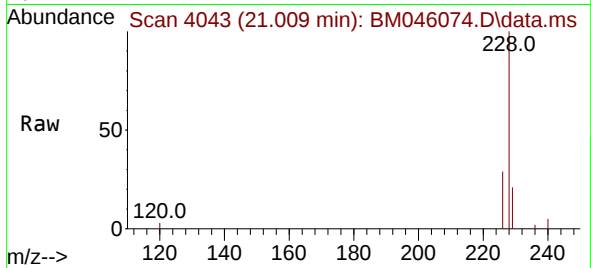
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Ion Ratio Lower Upper  
202 100  
101 12.9 11.3 16.9  
100 10.8 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.672 ng/ul  
RT: 21.009 min Scan# 4048  
Delta R.T. -0.021 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

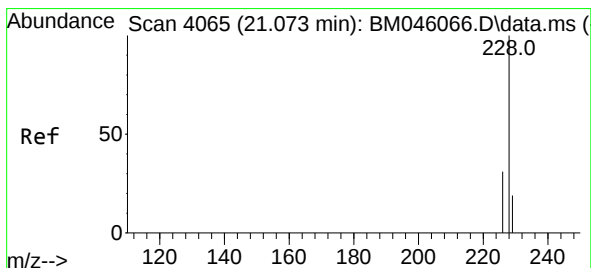
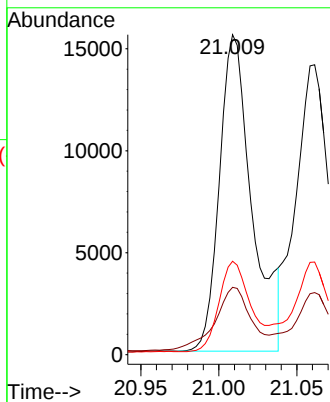
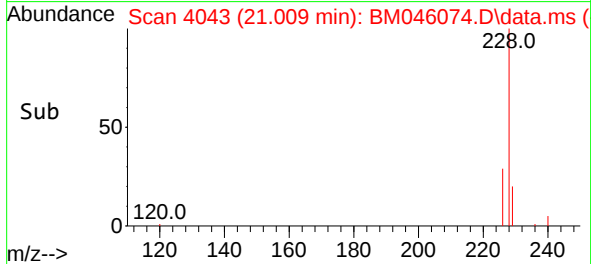
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL



Tgt Ion:228 Resp: 22534  
Ion Ratio Lower Upper  
228 100  
229 21.0 16.4 24.6  
226 29.2 23.4 35.2

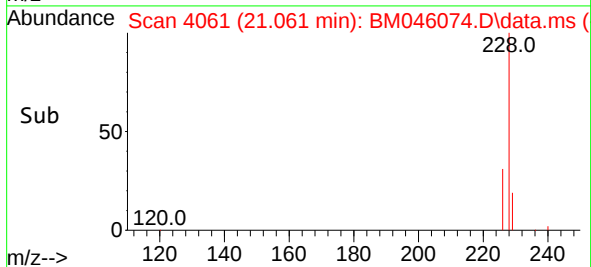
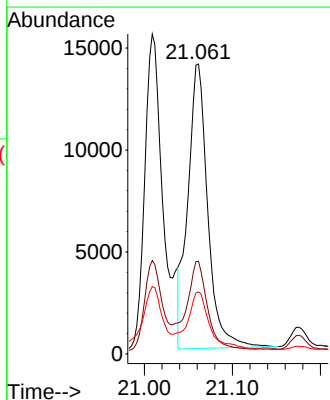
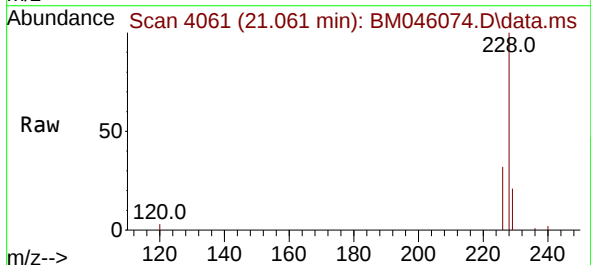
Manual Integrations  
APPROVED

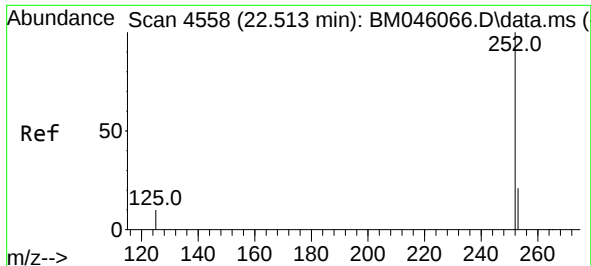
Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



#22  
Chrysene  
Concen: 0.515 ng/ul  
RT: 21.061 min Scan# 4061  
Delta R.T. -0.015 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

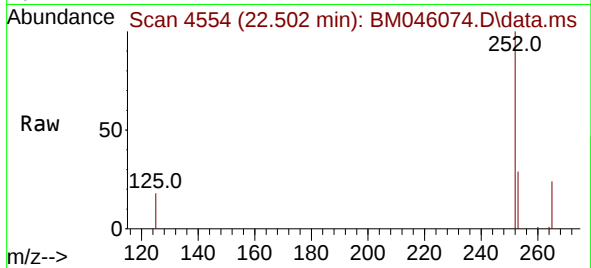
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Ion Ratio Lower Upper  
228 100  
226 32.0 25.2 37.8  
229 21.4 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 0.768 ng/ul m  
RT: 22.502 min Scan# 4554  
Delta R.T. -0.018 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

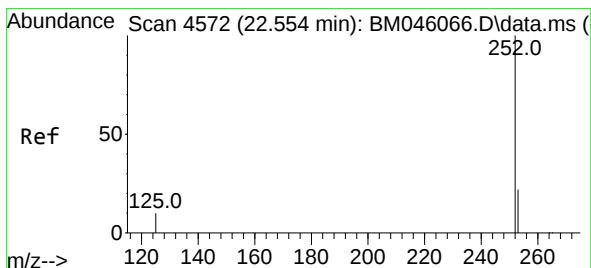
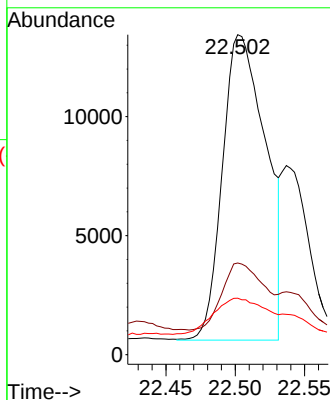
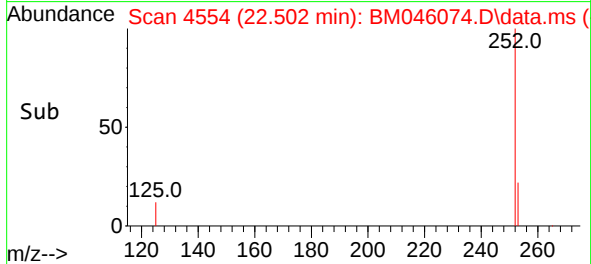
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL



Tgt Ion:252 Resp: 27820  
Ion Ratio Lower Upper  
252 100  
253 28.6 0.0 65.8  
125 17.6 0.0 40.2

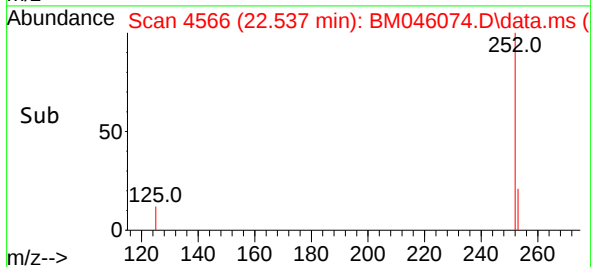
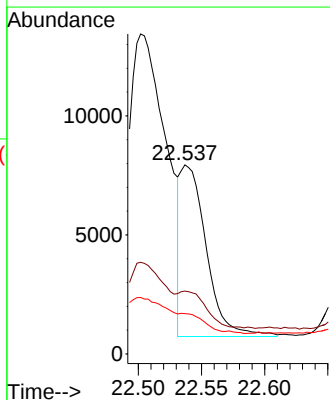
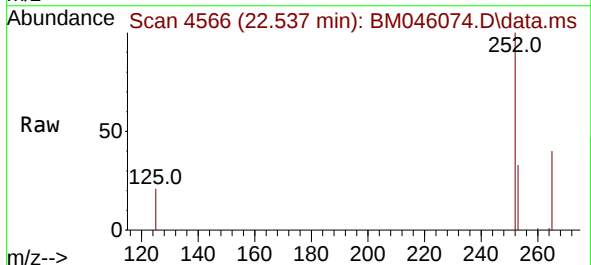
Manual Integrations  
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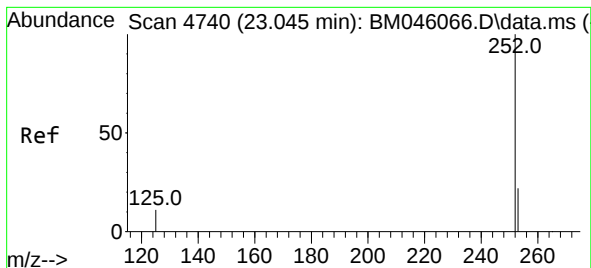
Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



#25  
Benzo(k)fluoranthene  
Concen: 0.238 ng/ul m  
RT: 22.537 min Scan# 4566  
Delta R.T. -0.026 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

Tgt Ion:252 Resp: 10245  
Ion Ratio Lower Upper  
252 100  
253 33.3 27.2 40.8  
125 21.3 16.6 25.0





#26

Benzo(a)pyrene

Concen: 0.331 ng/ul

RT: 23.028 min Scan# 4734

Delta R.T. -0.026 min

Lab File: BM046074.D

Acq: 19 Jun 2024 05:42

Instrument :

BNM\_M

ClientSampleId :

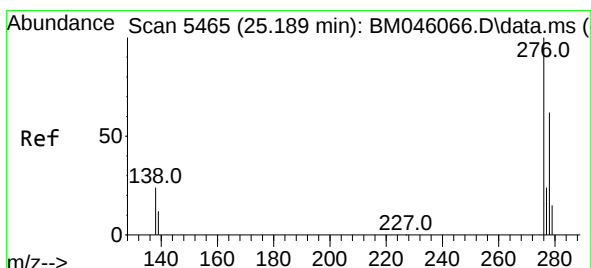
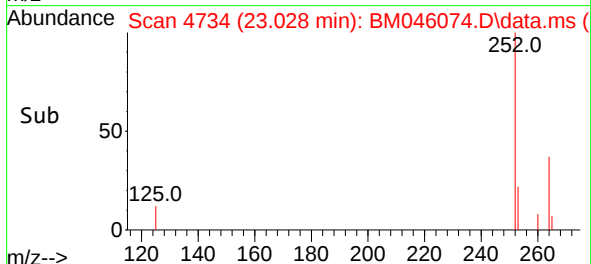
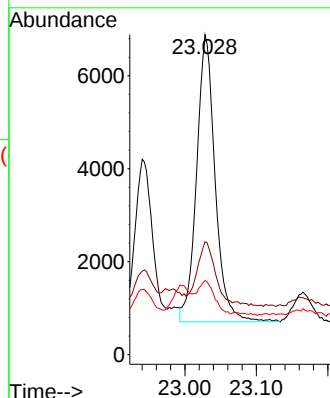
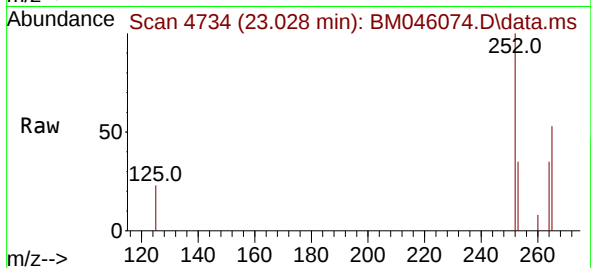
A4BJ0DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 11130 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 35.3  | 32.1  | 48.1  |
| 125       | 23.1  | 21.2  | 31.8  |

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Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.191 ng/ul

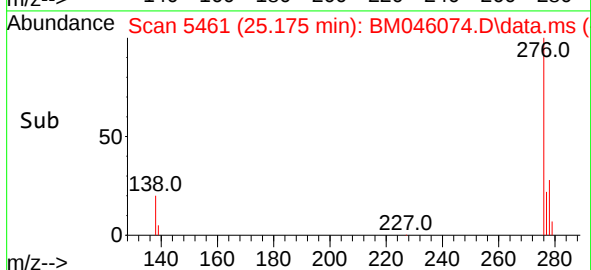
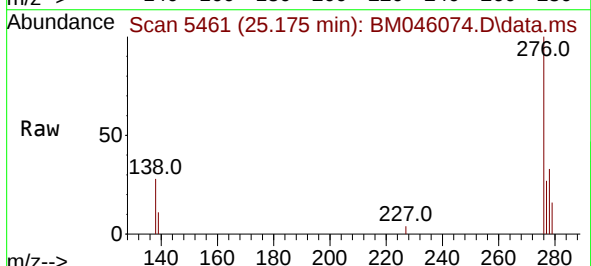
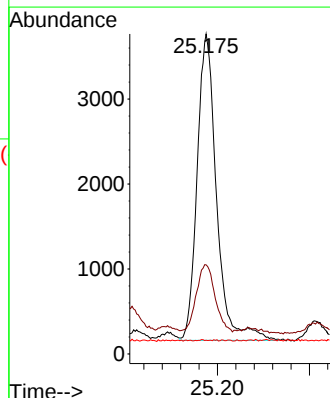
RT: 25.175 min Scan# 5461

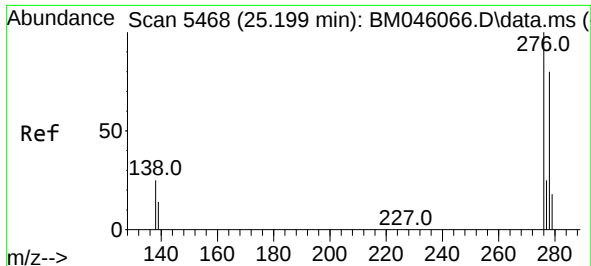
Delta R.T. -0.027 min

Lab File: BM046074.D

Acq: 19 Jun 2024 05:42

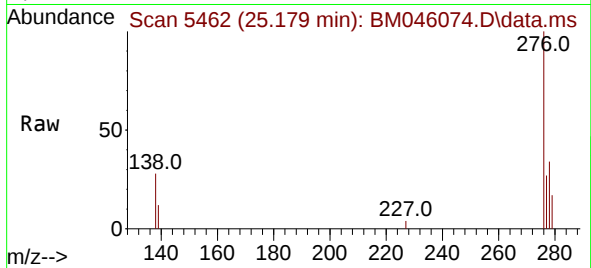
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 10520 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 21.1  | 21.0  | 31.4  |
| 227       | 0.2   | 0.0   | 0.0   |





#28  
Dibenzo(a,h)anthracene  
Concen: 0.083 ng/ul  
RT: 25.179 min Scan# 5462  
Delta R.T. -0.037 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

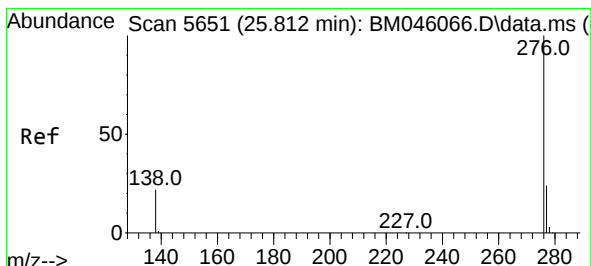
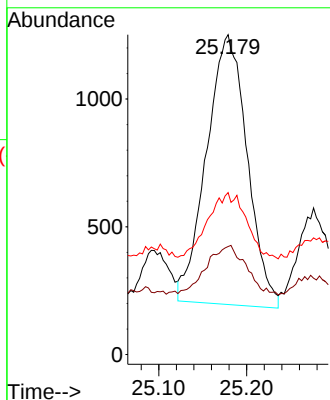
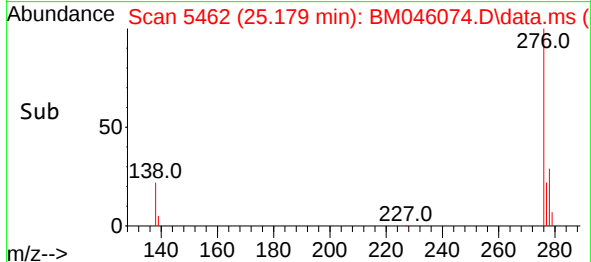
Instrument :  
BNA\_M  
ClientSampleId :  
A4BJ0DL



Tgt Ion:278 Resp: 339  
Ion Ratio Lower Upper  
278 100  
139 33.8 17.6 26.4  
279 50.6 26.3 39.5

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.036 ng/ul  
RT: 25.806 min Scan# 5649  
Delta R.T. -0.024 min  
Lab File: BM046074.D  
Acq: 19 Jun 2024 05:42

Tgt Ion:276 Resp: 1709  
Ion Ratio Lower Upper  
276 100  
138 55.4 21.7 32.5#  
277 45.6 20.4 30.6#

