

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
 Data File : BM046872.D  
 Acq On : 27 Jul 2024 17:42  
 Operator : MA/JU  
 Sample : P3263-15  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CK3

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/29/2024  
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 28 23:31:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 24 15:10:37 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.463  | 152  | 4159     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.220 | 136  | 12137    | 0.400  | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.112 | 164  | 7251     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.865 | 188  | 13286    | 0.400  | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.082 | 240  | 7111     | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.215 | 264  | 7451     | 0.400  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.092  | 96   | 9267     | 3.182  | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.821 | 152  | 4984     | 0.258  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.908 | 212  | 7341     | 0.317  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.270 | 128  | 16813    | 0.548  | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 11.898 | 142  | 5195     | 0.246  | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.117 | 142  | 3468     | 0.159  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.825 | 152  | 19296    | 0.581  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.172 | 153  | 10573    | 0.469  | ng/ul  | 99       |
| 12) Fluorene                | 15.172 | 166  | 12141    | 0.431  | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.532 | 266  | 373      | 0.062  | ng/ul  | 95       |
| 15) Phenanthrene            | 16.908 | 178  | 235040   | 6.155  | ng/ul  | 97       |
| 16) Anthracene              | 17.001 | 178  | 47292    | 1.330  | ng/ul  | 100      |
| 19) Fluoranthene            | 18.940 | 202  | 381044   | 12.201 | ng/ul  | 99       |
| 20) Pyrene                  | 19.303 | 202  | 245556   | 7.601  | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.064 | 228  | 151105   | 5.099  | ng/ul  | 97       |
| 22) Chrysene                | 21.117 | 228  | 154355   | 5.128  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.584 | 252  | 214373m  | 6.553  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.622 | 252  | 75643m   | 2.295  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.122 | 252  | 72275    | 3.078  | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.320 | 276  | 75660    | 2.093  | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.326 | 278  | 26206    | 0.990  | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 25.964 | 276  | 12447    | 0.391  | ng/ul# | 76       |
| -----                       |        |      |          |        |        |          |

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

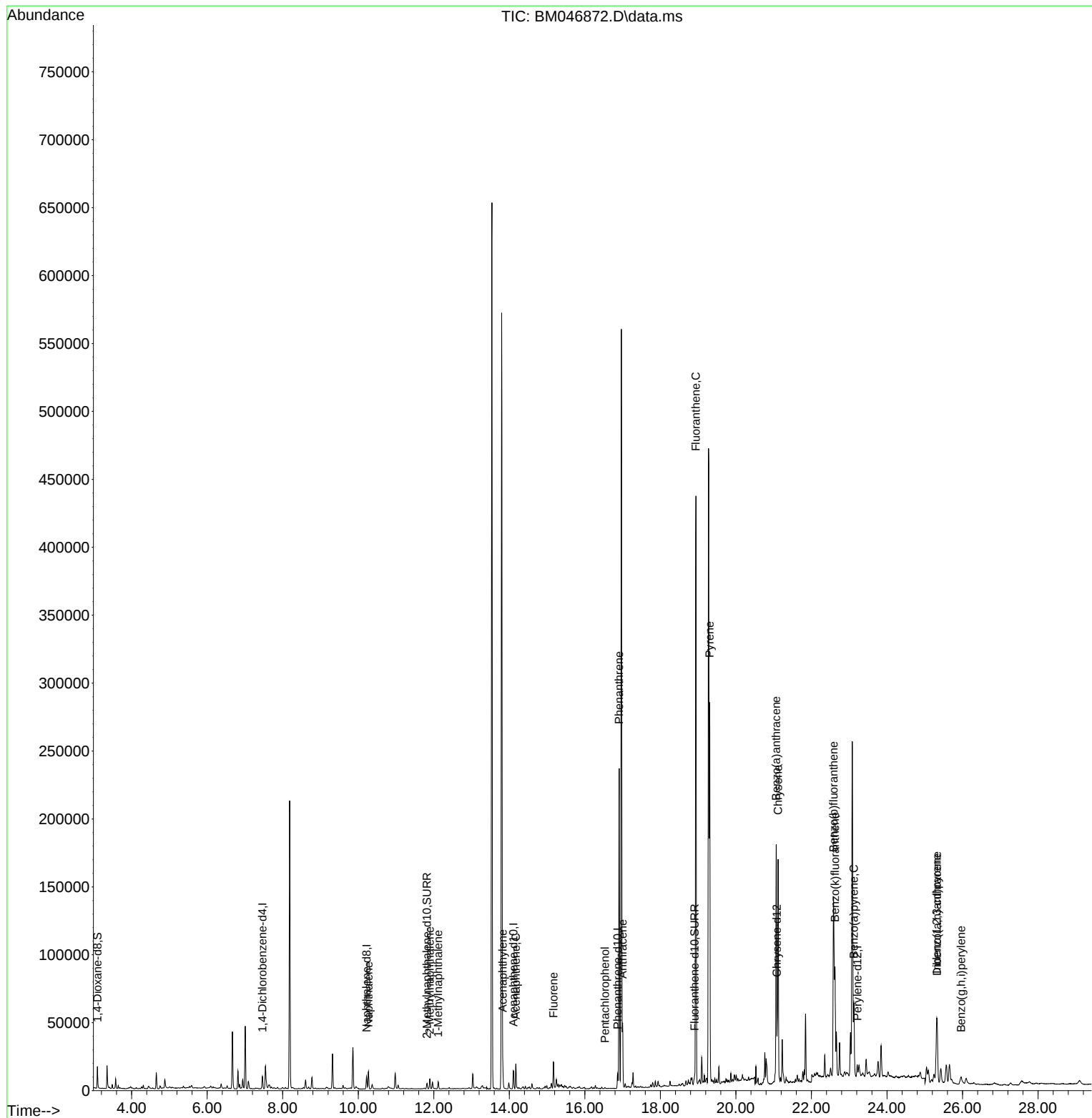
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046872.D  
Acq On : 27 Jul 2024 17:42  
Operator : MA/JU  
Sample : P3263-15  
Misc :  
ALS Vial : 54 Sample Multiplier: 1

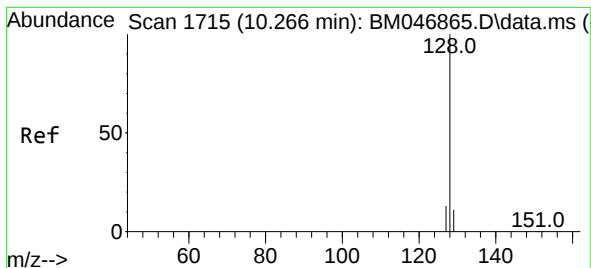
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 28 23:31:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 24 15:10:37 2024  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.548 ng/ul

RT: 10.270 min Scan# 1716

Delta R.T. -0.007 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

Instrument :

BNA\_M

ClientSampleId :

A4CK3

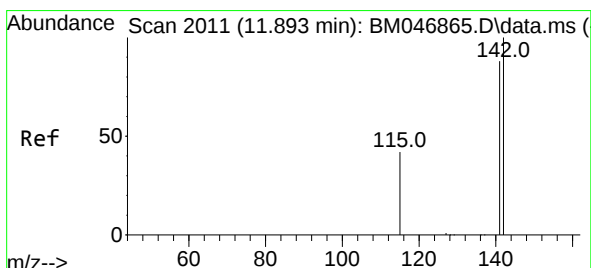
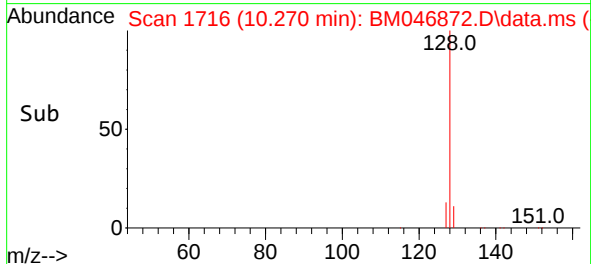
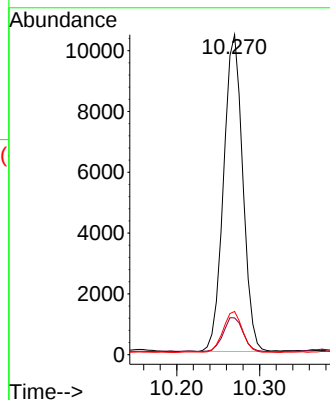
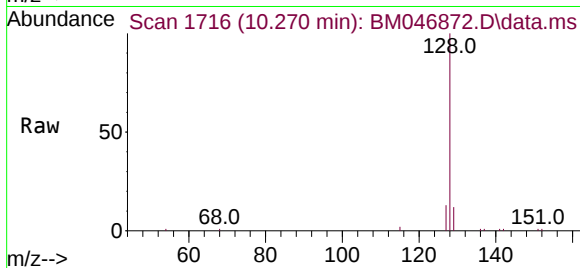
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 1681      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 11.5  | 10.1 15.1 |
| 127         | 13.5  | 11.5 17.3 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#7

2-Methylnaphthalene

Concen: 0.246 ng/ul

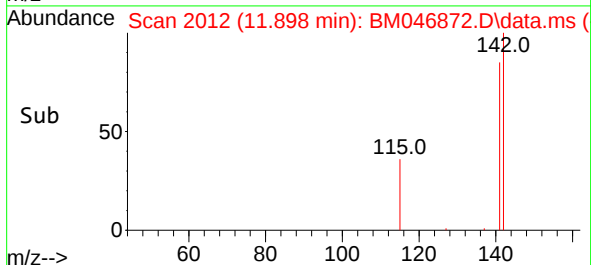
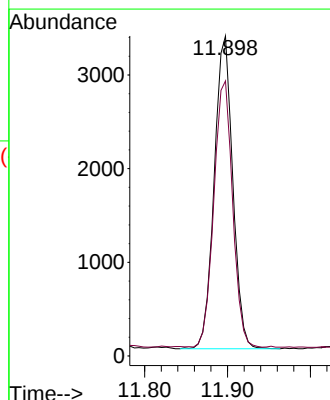
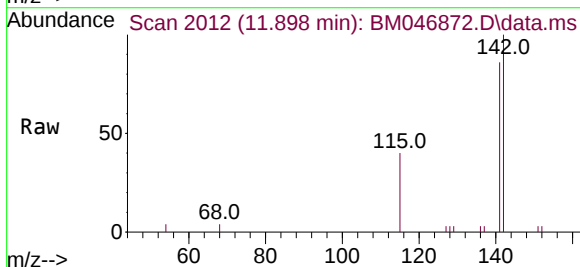
RT: 11.898 min Scan# 2012

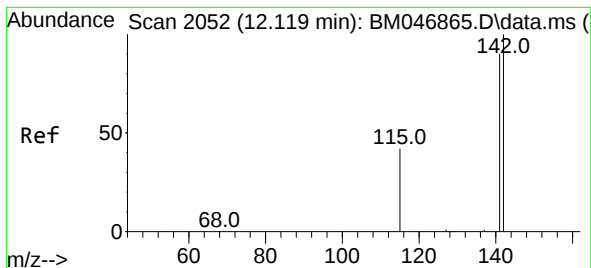
Delta R.T. -0.007 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:142 | Resp: | 5195       |
| Ion Ratio   | Lower | Upper      |
| 142         | 100   |            |
| 141         | 85.9  | 70.5 105.7 |





#8

1-Methylnaphthalene

Concen: 0.159 ng/ul

RT: 12.117 min Scan# 2052

Delta R.T. -0.012 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

Instrument :

BNA\_M

ClientSampleId :

A4CK3

Tgt Ion:142 Resp: 3468

Ion Ratio Lower Upper

142 100

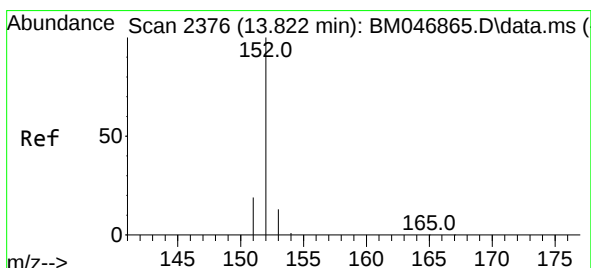
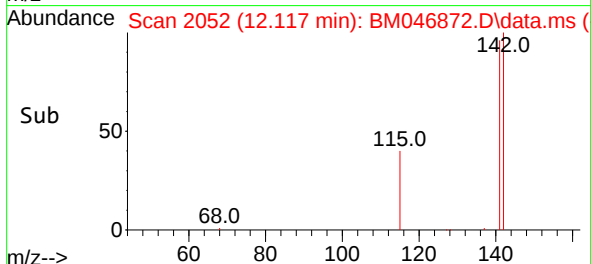
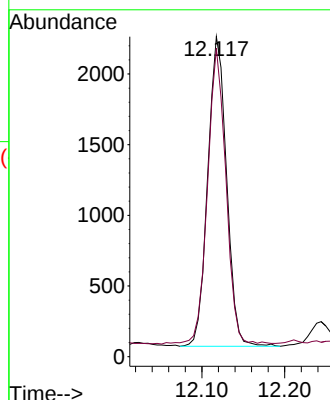
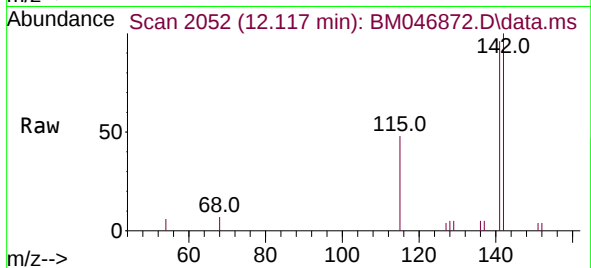
141 92.4 73.1 109.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#10

Acenaphthylene

Concen: 0.581 ng/ul

RT: 13.825 min Scan# 2377

Delta R.T. -0.006 min

Lab File: BM046872.D

Acq: 27 Jul 2024 17:42

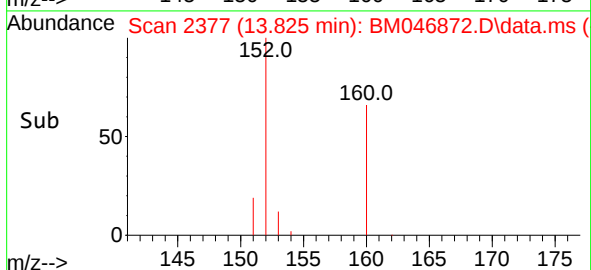
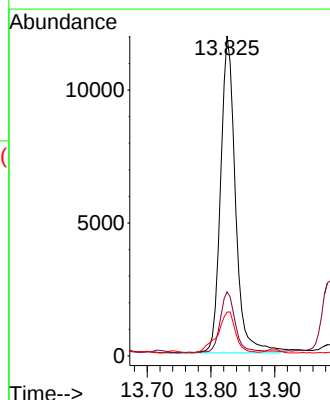
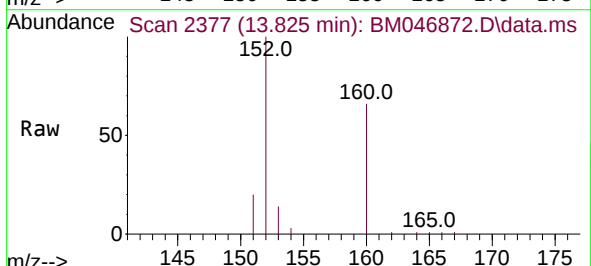
Tgt Ion:152 Resp: 19296

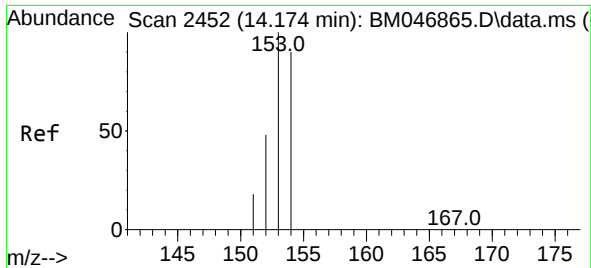
Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

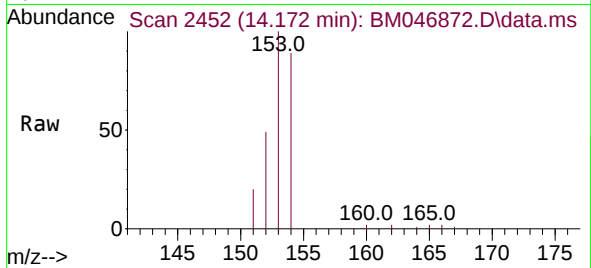
153 13.7 11.0 16.6





#11  
Acenaphthene  
Concen: 0.469 ng/ul  
RT: 14.172 min Scan# 2452  
Delta R.T. -0.011 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

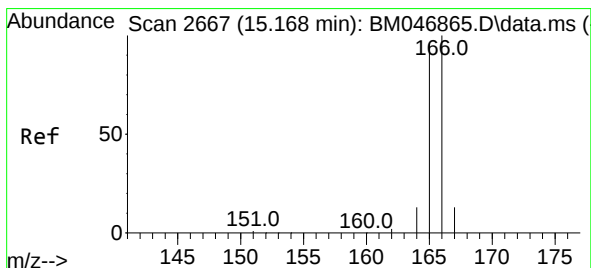
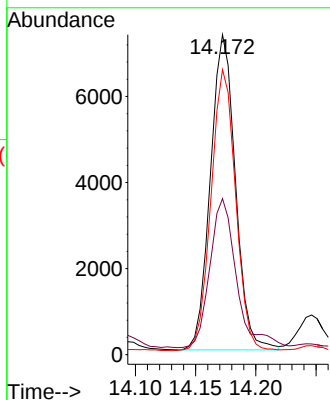
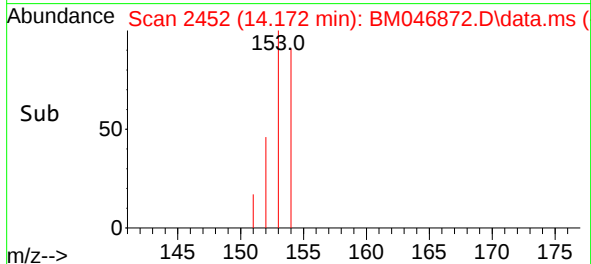
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



Tgt Ion:153 Resp: 1057  
Ion Ratio Lower Upper  
153 100  
152 48.8 38.6 57.8  
154 89.1 70.8 106.2

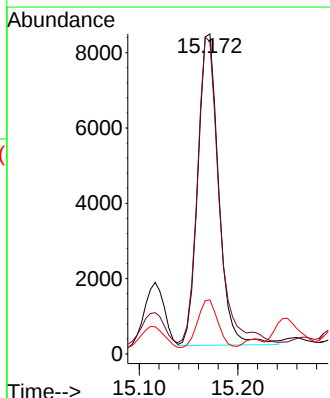
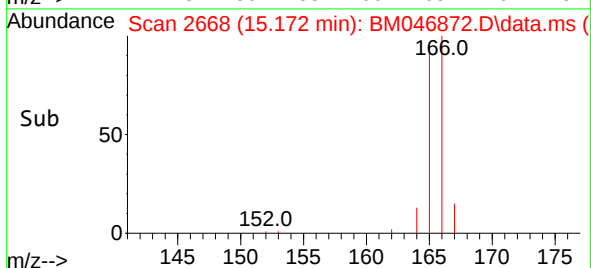
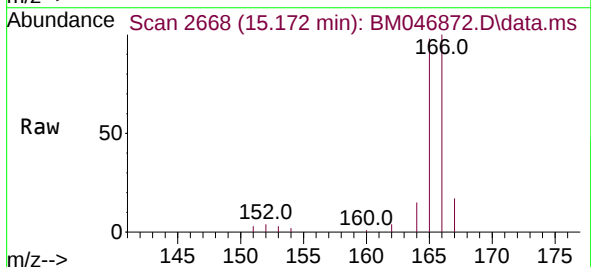
Manual Integrations  
APPROVED

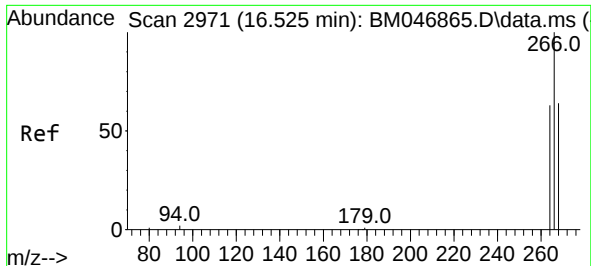
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024



#12  
Fluorene  
Concen: 0.431 ng/ul  
RT: 15.172 min Scan# 2668  
Delta R.T. -0.006 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

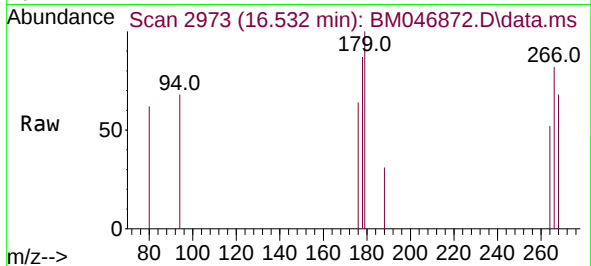
Tgt Ion:166 Resp: 12141  
Ion Ratio Lower Upper  
166 100  
165 97.5 79.8 119.6  
167 16.9 12.3 18.5





#14  
Pentachlorophenol  
Concen: 0.062 ng/uI  
RT: 16.532 min Scan# 2971  
Delta R.T. -0.001 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

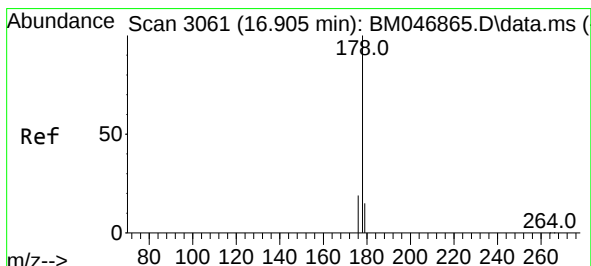
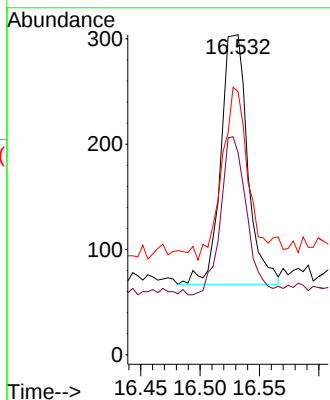
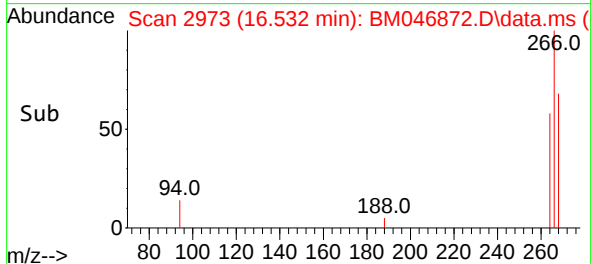
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



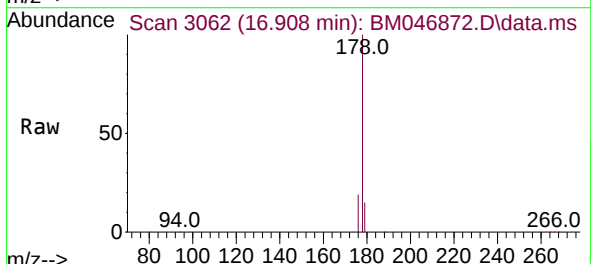
Tgt Ion:266 Resp: 37  
Ion Ratio Lower Upper  
266 100  
264 61.9 51.1 76.7  
268 71.0 51.8 77.6

Manual Integrations  
APPROVED

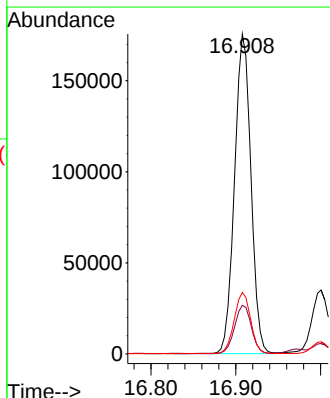
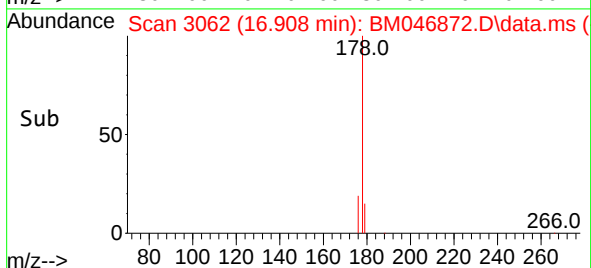
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

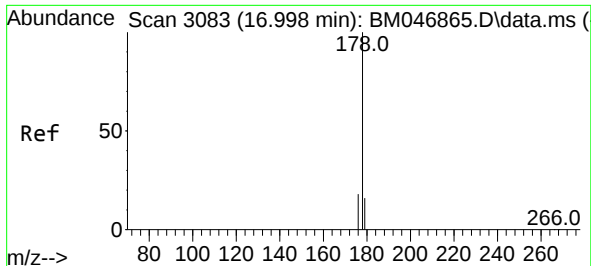


#15  
Phenanthrene  
Concen: 6.155 ng/uI  
RT: 16.908 min Scan# 3062  
Delta R.T. -0.006 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42



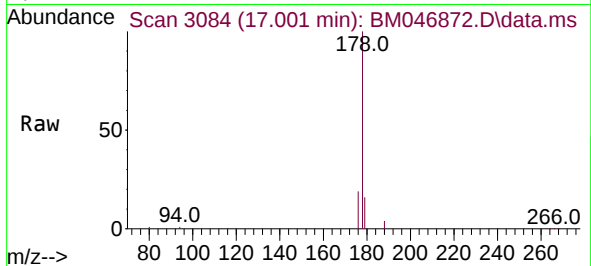
Tgt Ion:178 Resp: 235040  
Ion Ratio Lower Upper  
178 100  
179 15.2 13.4 20.2  
176 19.2 16.1 24.1





#16  
Anthracene  
Concen: 1.330 ng/ul  
RT: 17.001 min Scan# 3084  
Delta R.T. -0.006 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

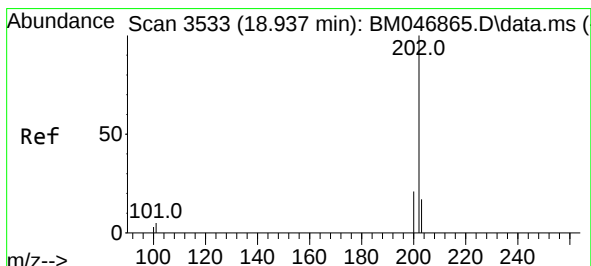
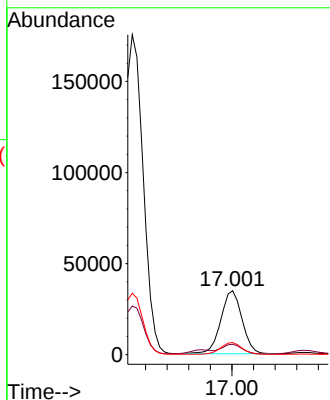
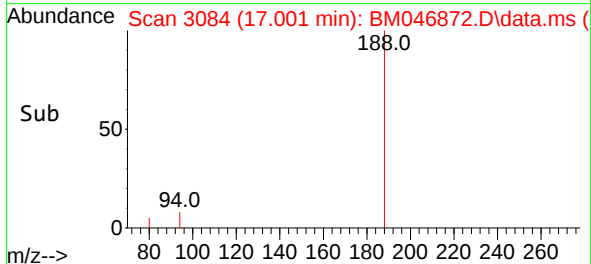
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



Tgt Ion:178 Resp: 47292  
Ion Ratio Lower Upper  
178 100  
179 16.3 13.1 19.7  
176 19.0 15.0 22.6

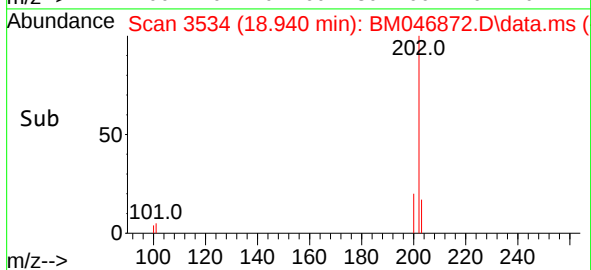
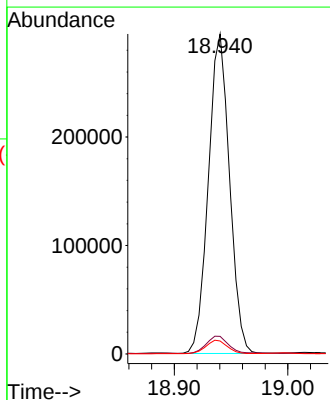
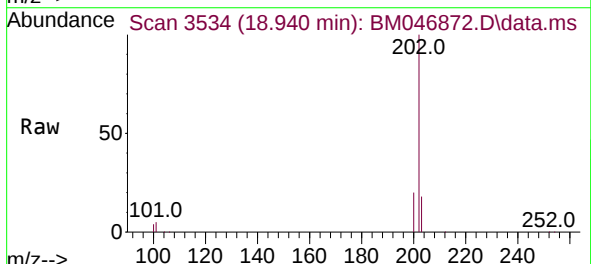
Manual Integrations  
APPROVED

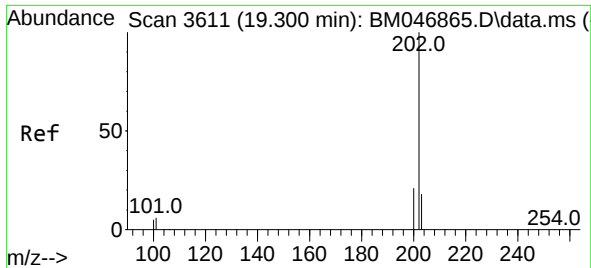
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024



#19  
Fluoranthene  
Concen: 12.201 ng/ul  
RT: 18.940 min Scan# 3534  
Delta R.T. -0.001 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

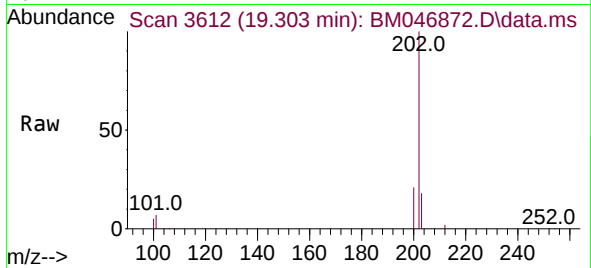
Tgt Ion:202 Resp: 381044  
Ion Ratio Lower Upper  
202 100  
101 5.5 4.7 7.1  
100 4.1 3.4 5.2





#20  
Pyrene  
Concen: 7.601 ng/ul  
RT: 19.303 min Scan# 30  
Delta R.T. -0.001 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

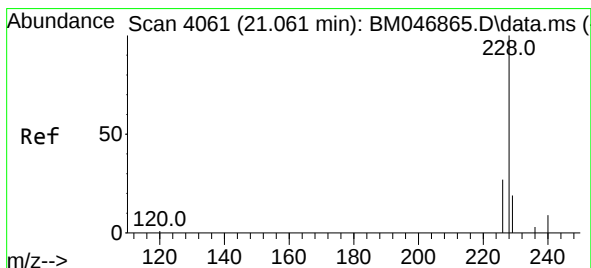
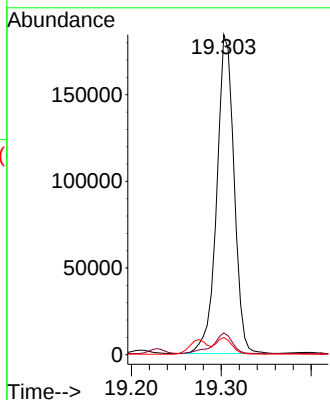
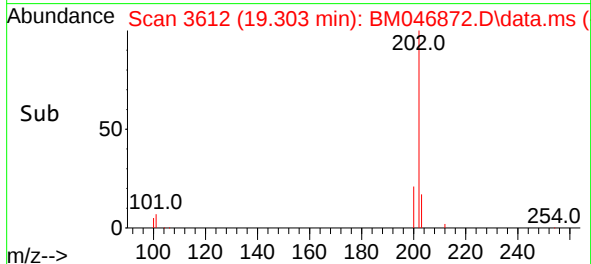
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



Tgt Ion:202 Resp: 245550  
Ion Ratio Lower Upper  
202 100  
101 6.8 5.2 7.8  
100 5.4 4.3 6.5

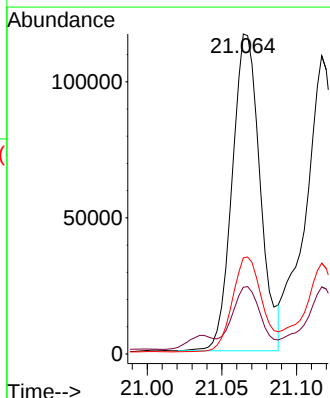
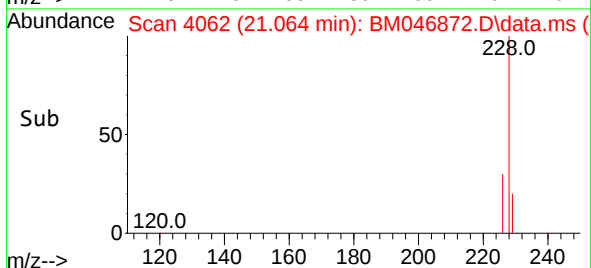
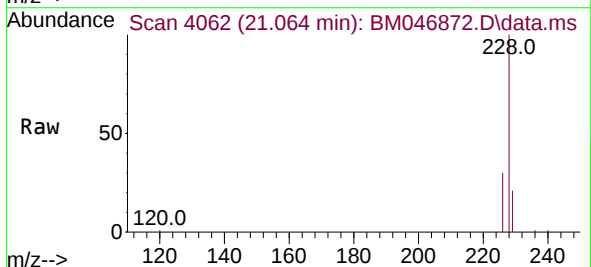
Manual Integrations  
APPROVED

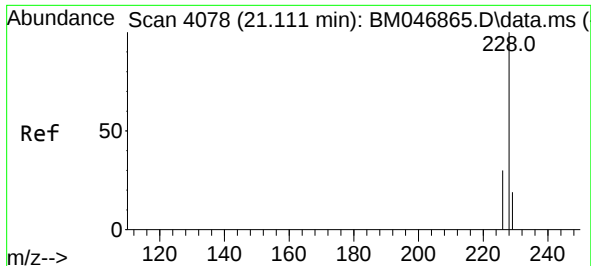
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024



#21  
Benzo(a)anthracene  
Concen: 5.099 ng/ul  
RT: 21.064 min Scan# 4062  
Delta R.T. 0.000 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

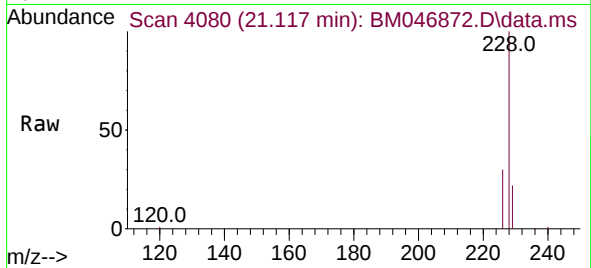
Tgt Ion:228 Resp: 151105  
Ion Ratio Lower Upper  
228 100  
229 20.9 16.3 24.5  
226 30.0 22.3 33.5





#22  
Chrysene  
Concen: 5.128 ng/ul  
RT: 21.117 min Scan# 4080  
Delta R.T. 0.000 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

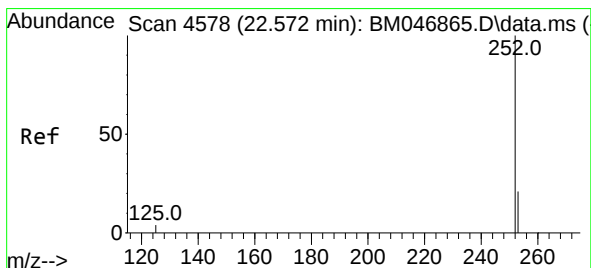
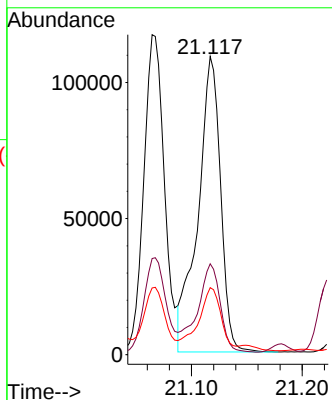
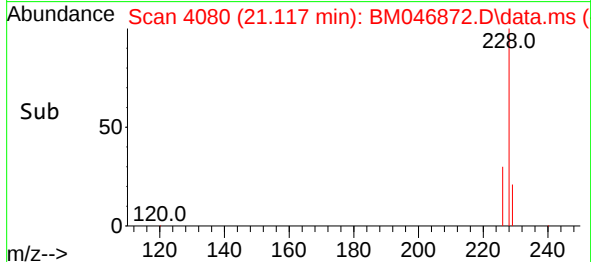
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



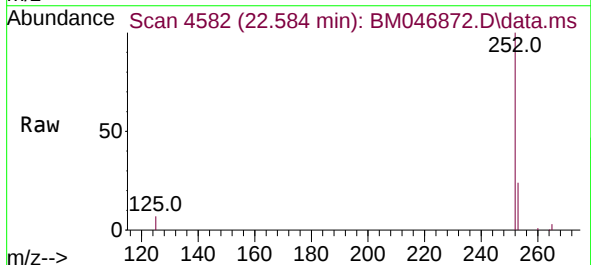
Tgt Ion:228 Resp: 15435  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.5 36.7  
229 22.5 16.2 24.2

Manual Integrations  
APPROVED

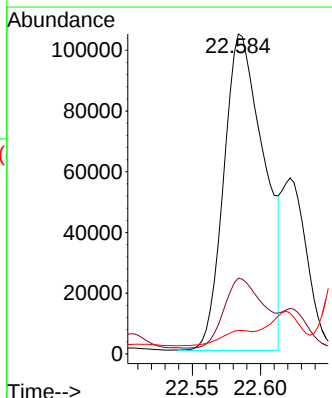
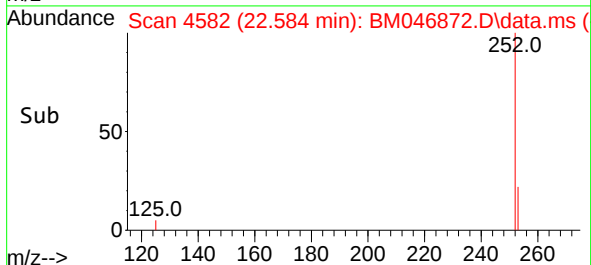
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

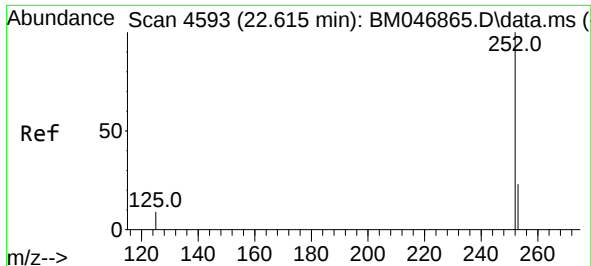


#24  
Benzo(b)fluoranthene  
Concen: 6.553 ng/ul m  
RT: 22.584 min Scan# 4582  
Delta R.T. 0.003 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42



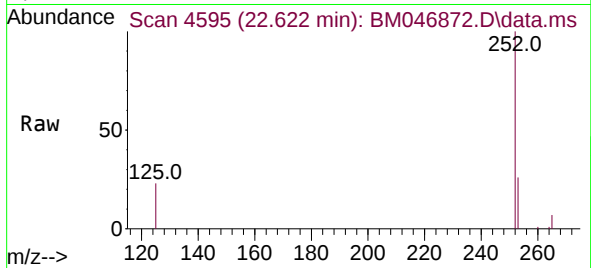
Tgt Ion:252 Resp: 214373  
Ion Ratio Lower Upper  
252 100  
253 23.7 0.0 56.4  
125 7.4 0.0 15.8





#25  
Benzo(k)fluoranthene  
Concen: 2.295 ng/ul m  
RT: 22.622 min Scan# 4595  
Delta R.T. 0.000 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

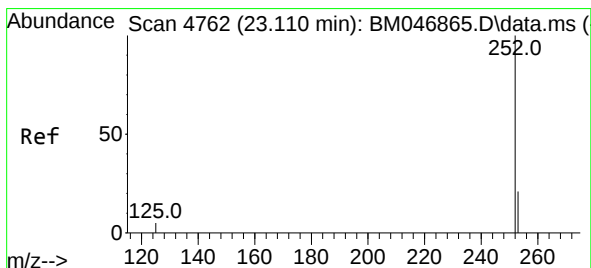
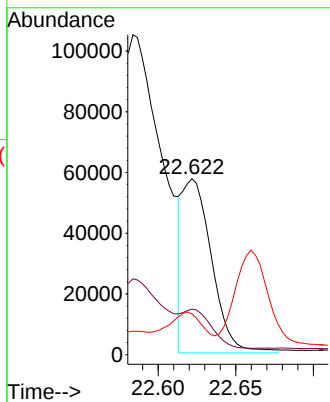
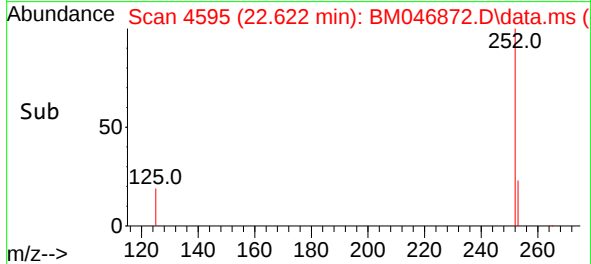
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



Tgt Ion:252 Resp: 75643  
Ion Ratio Lower Upper  
252 100  
253 25.9 23.5 35.3  
125 23.2 8.6 13.0

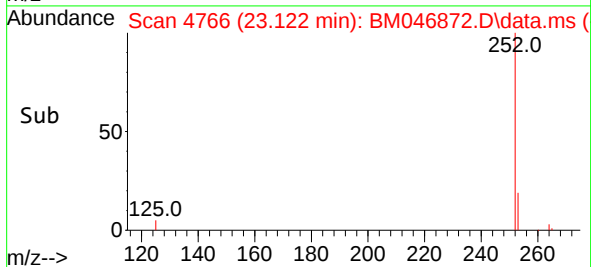
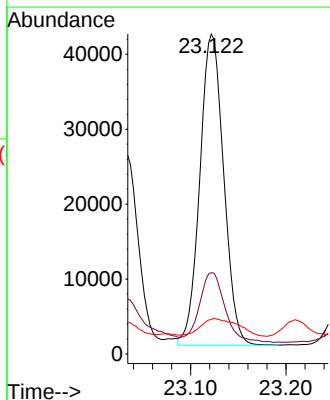
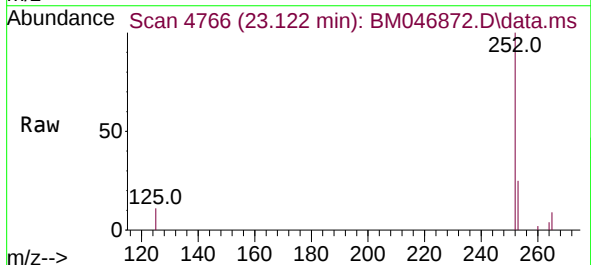
Manual Integrations  
APPROVED

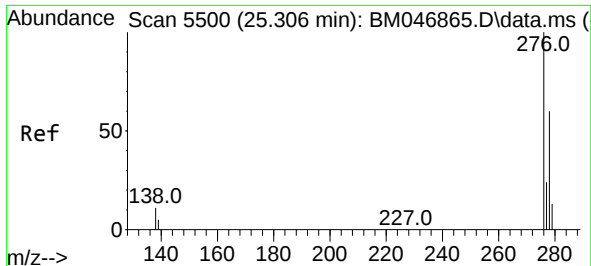
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024



#26  
Benzo(a)pyrene  
Concen: 3.078 ng/ul  
RT: 23.122 min Scan# 4766  
Delta R.T. 0.003 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

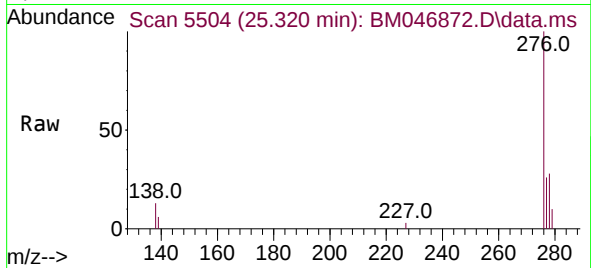
Tgt Ion:252 Resp: 72275  
Ion Ratio Lower Upper  
252 100  
253 25.4 26.0 39.0#  
125 10.7 7.8 11.8





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.093 ng/ul  
RT: 25.320 min Scan# 5504  
Delta R.T. 0.004 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

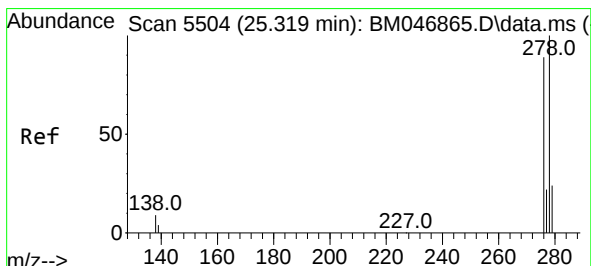
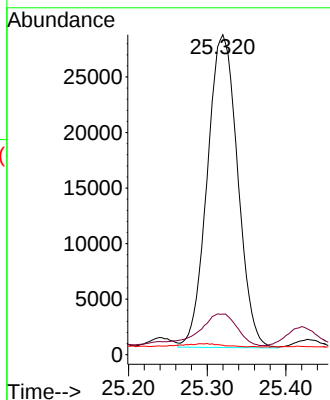
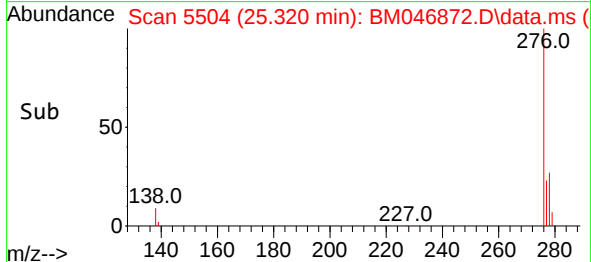
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



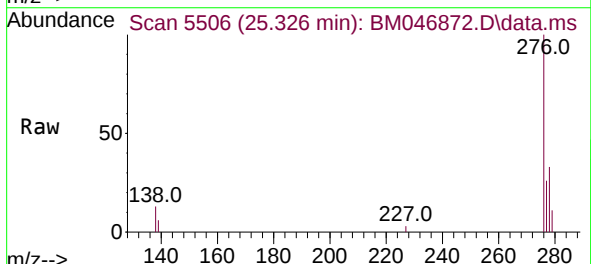
Tgt Ion:276 Resp: 75660  
Ion Ratio Lower Upper  
276 100  
138 12.0 9.7 14.5  
227 0.0 0.2 0.2

Manual Integrations  
APPROVED

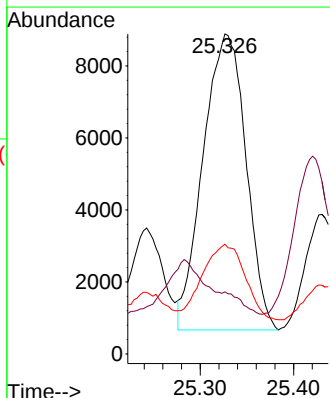
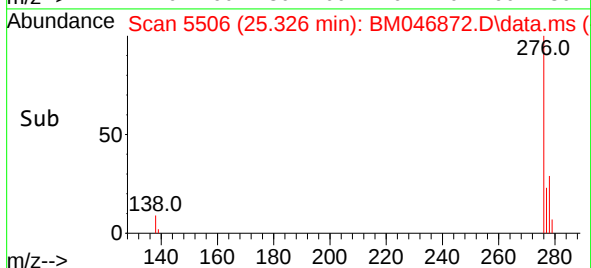
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

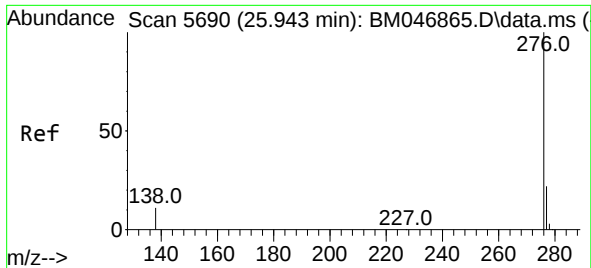


#28  
Dibenzo(a,h)anthracene  
Concen: 0.990 ng/ul  
RT: 25.326 min Scan# 5506  
Delta R.T. -0.006 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42



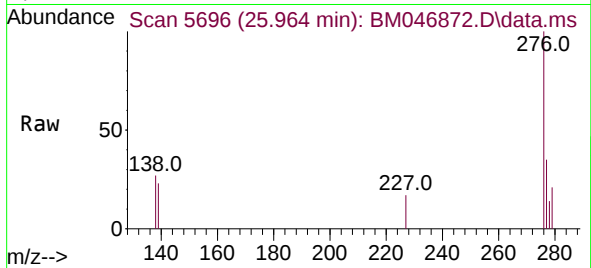
Tgt Ion:278 Resp: 26206  
Ion Ratio Lower Upper  
278 100  
139 19.4 9.8 14.8#  
279 34.3 25.2 37.8





#29  
Benzo(g,h,i)perylene  
Concen: 0.391 ng/ul  
RT: 25.964 min Scan# 50  
Delta R.T. 0.010 min  
Lab File: BM046872.D  
Acq: 27 Jul 2024 17:42

Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3



Tgt Ion:276 Resp: 1244  
Ion Ratio Lower Upper  
276 100  
138 27.5 9.5 14.3  
277 34.9 20.9 31.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

