

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072524\  
 Data File : BM046798.D  
 Acq On : 25 Jul 2024 14:06  
 Operator : MA/JU  
 Sample : P3263-21MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CLOMS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 25 14:36:23 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   | 7.472  | 152  | 3774     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.227 | 136  | 10726    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.118 | 164  | 7011     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.871 | 188  | 15259    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.081 | 240  | 7925     | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.212 | 264  | 7987     | 0.400  | ng/ul  | # 0.00   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.101  | 96   | 947      | 0.358  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.827 | 152  | 4579     | 0.269  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.914 | 212  | 9935     | 0.385  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.134  | 88   | 2425     | 0.802  | ng/ul# | 91       |
| 5) Naphthalene              | 10.276 | 128  | 41171    | 1.518  | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 11.904 | 142  | 18689    | 1.001  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.130 | 142  | 15425    | 0.800  | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.831 | 152  | 40633    | 1.265  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.178 | 153  | 38321    | 1.758  | ng/ul  | 100      |
| 12) Fluorene                | 15.177 | 166  | 47377    | 1.739  | ng/ul  | 97       |
| 14) Pentachlorophenol       | 16.529 | 266  | 3954     | 0.572  | ng/ul  | 99       |
| 15) Phenanthrene            | 16.913 | 178  | 742487   | 16.929 | ng/ul  | 98       |
| 16) Anthracene              | 17.006 | 178  | 143080   | 3.505  | ng/ul  | 99       |
| 19) Fluoranthene            | 18.942 | 202  | 1061079  | 30.486 | ng/ul  | 99       |
| 20) Pyrene                  | 19.304 | 202  | 763814   | 21.215 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.067 | 228  | 368862   | 11.169 | ng/ul  | 98       |
| 22) Chrysene                | 21.116 | 228  | 361844   | 10.786 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.580 | 252  | 403025m  | 11.494 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.618 | 252  | 136247m  | 3.856  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.115 | 252  | 147661   | 5.866  | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.316 | 276  | 135392   | 3.495  | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.323 | 278  | 48430    | 1.708  | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 25.956 | 276  | 22245    | 0.652  | ng/ul# | 92       |

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

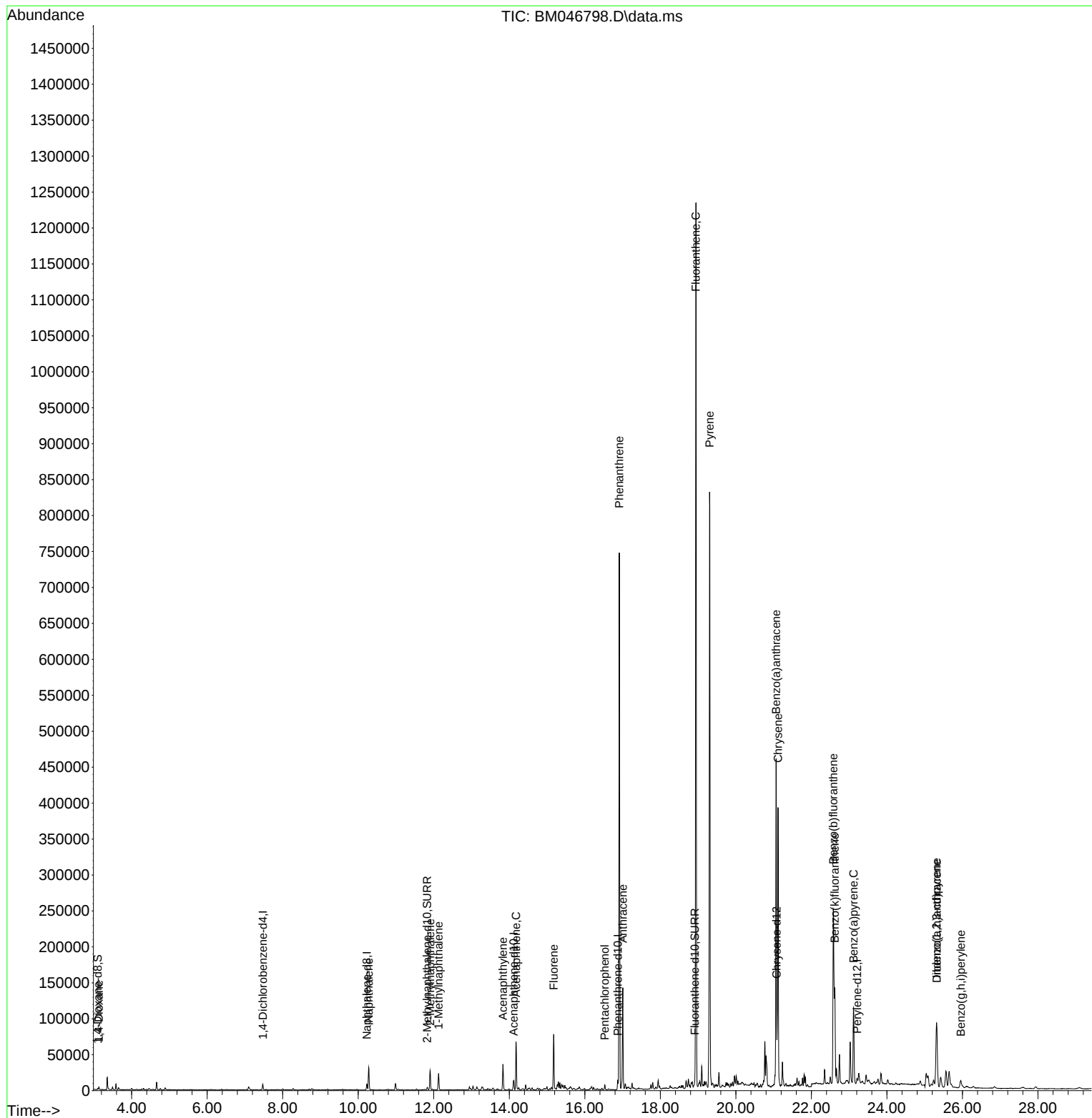
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072524\  
Data File : BM046798.D  
Acq On : 25 Jul 2024 14:06  
Operator : MA/JU  
Sample : P3263-21MS  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

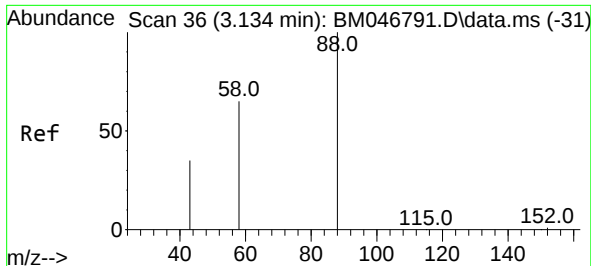
Instrument :  
BNA\_M  
ClientSampleId :  
A4CL0MS

Quant Time: Jul 25 14:36:23 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

Manual Integrations  
APPROVED

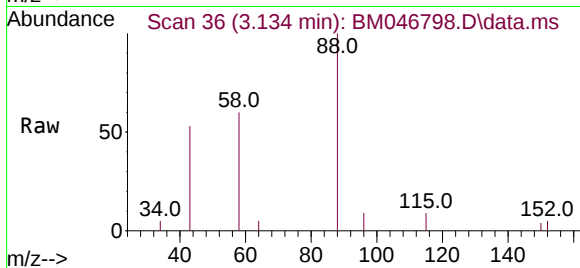
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024





#2  
1,4-Dioxane  
Concen: 0.802 ng/ul  
RT: 3.134 min Scan# 30  
Delta R.T. -0.004 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

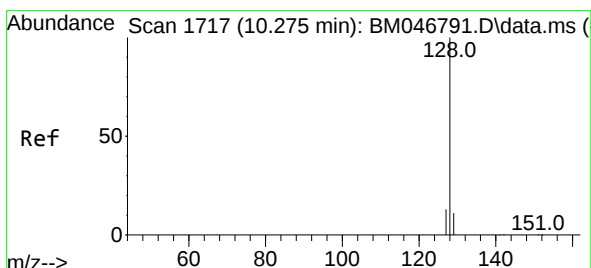
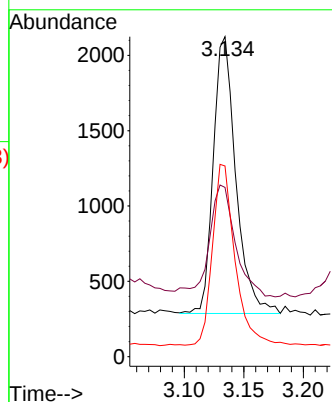
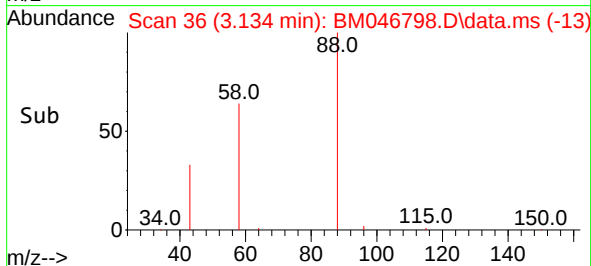
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



Tgt Ion: 88 Resp: 242  
Ion Ratio Lower Upper  
88 100  
43 52.9 42.1 63.1  
58 59.6 38.3 57.5

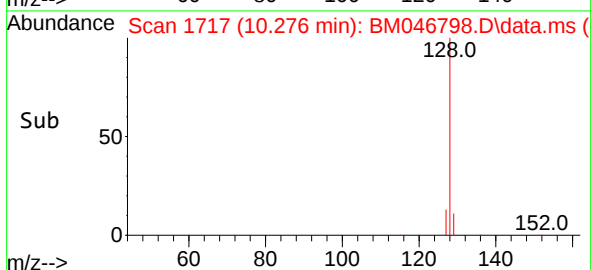
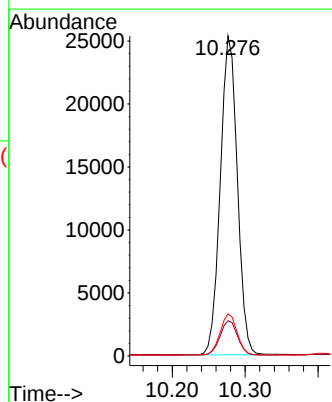
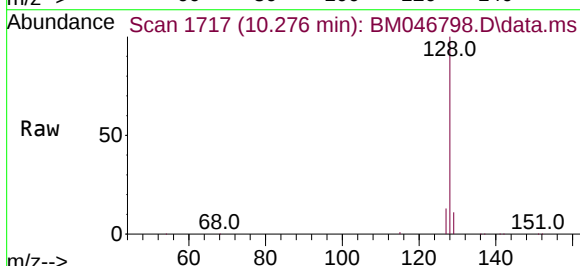
Manual Integrations  
APPROVED

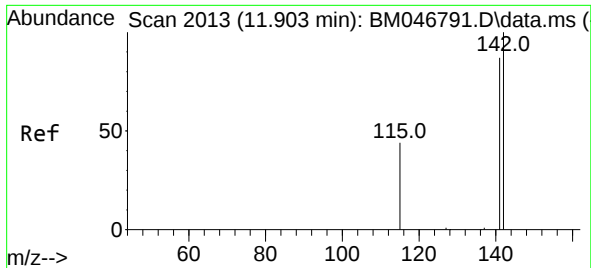
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#5  
Naphthalene  
Concen: 1.518 ng/ul  
RT: 10.276 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

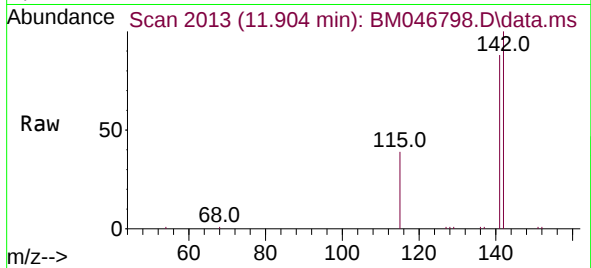
Tgt Ion:128 Resp: 41171  
Ion Ratio Lower Upper  
128 100  
129 11.0 10.1 15.1  
127 13.2 11.5 17.3





#7  
2-Methylnaphthalene  
Concen: 1.001 ng/ul  
RT: 11.904 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

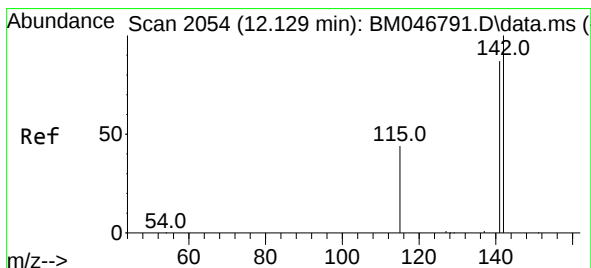
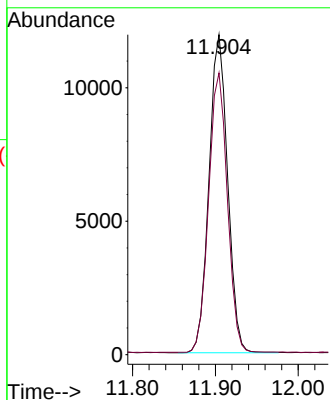
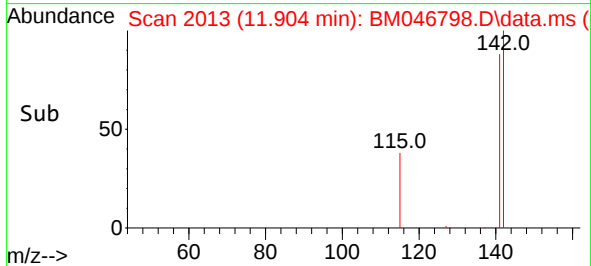
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



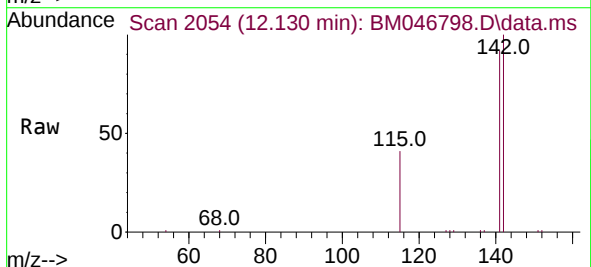
Tgt Ion:142 Resp: 18689  
Ion Ratio Lower Upper  
142 100  
141 88.2 70.5 105.7

Manual Integrations  
APPROVED

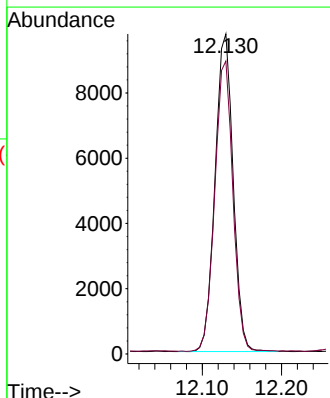
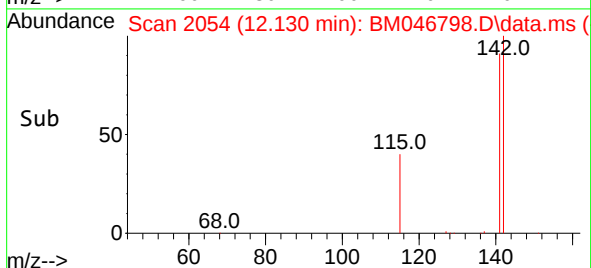
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024

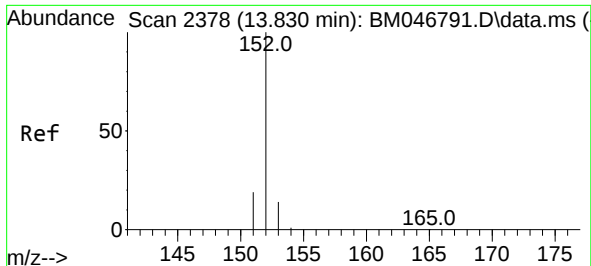


#8  
1-Methylnaphthalene  
Concen: 0.800 ng/ul  
RT: 12.130 min Scan# 2054  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06



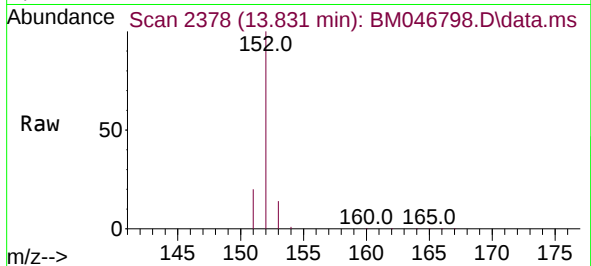
Tgt Ion:142 Resp: 15425  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.1 109.7





#10  
Acenaphthylene  
Concen: 1.265 ng/ul  
RT: 13.831 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

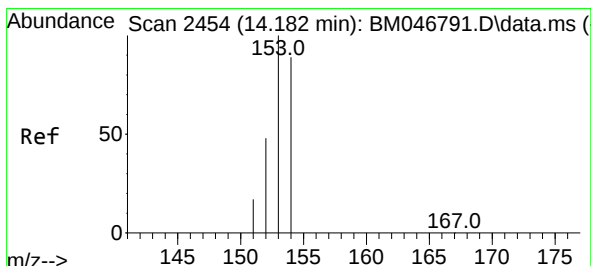
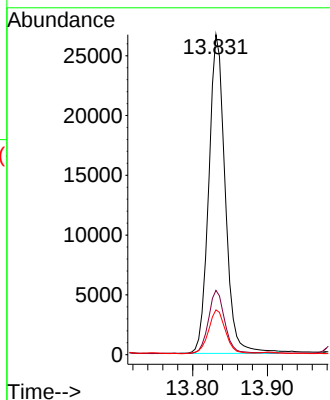
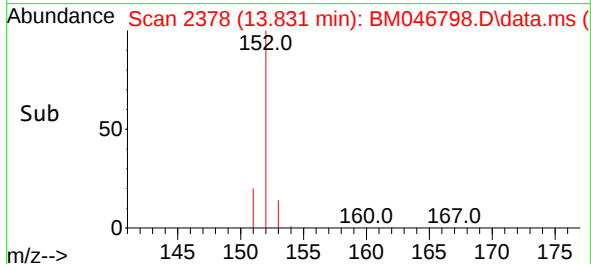
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



Tgt Ion:152 Resp: 4063  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.8 25.2  
153 14.0 11.0 16.6

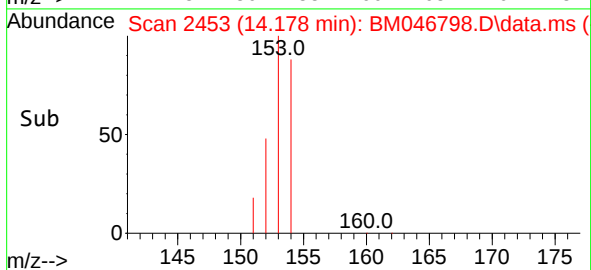
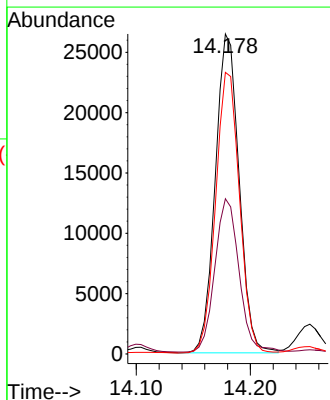
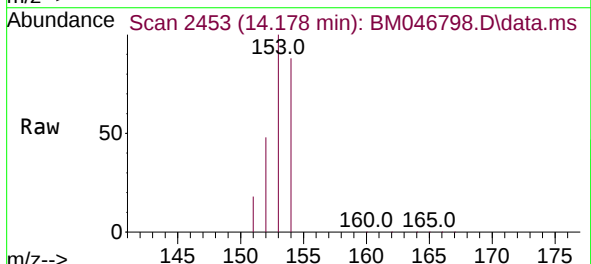
Manual Integrations  
APPROVED

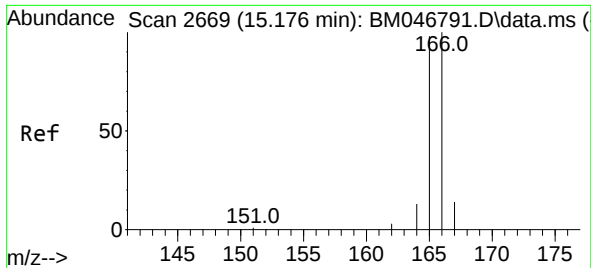
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#11  
Acenaphthene  
Concen: 1.758 ng/ul  
RT: 14.178 min Scan# 2453  
Delta R.T. -0.005 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

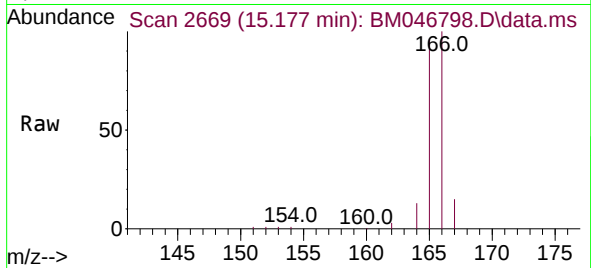
Tgt Ion:153 Resp: 38321  
Ion Ratio Lower Upper  
153 100  
152 48.5 38.6 57.8  
154 88.0 70.8 106.2





#12  
Fluorene  
Concen: 1.739 ng/ul  
RT: 15.177 min Scan# 2669  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

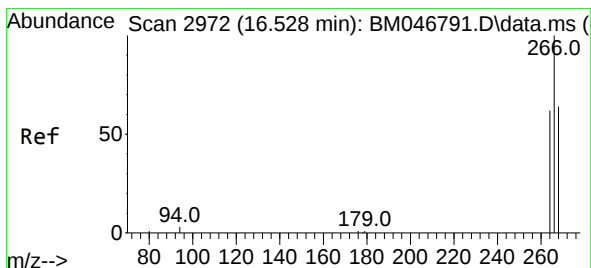
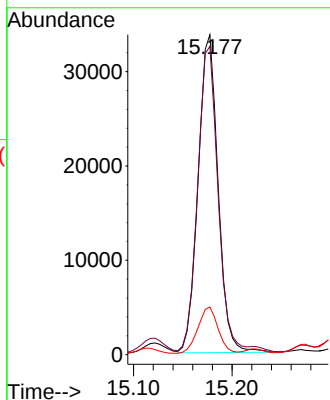
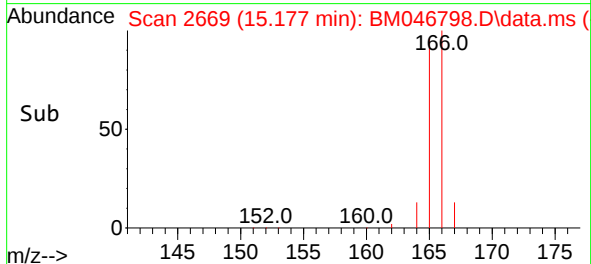
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



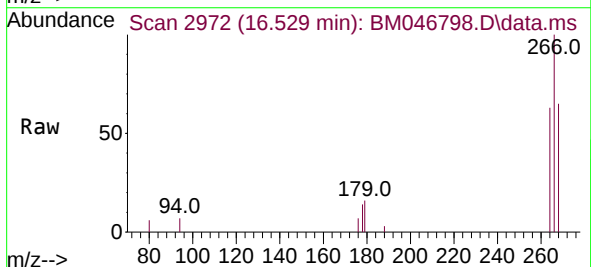
Tgt Ion:166 Resp: 4737  
Ion Ratio Lower Upper  
166 100  
165 96.3 79.8 119.6  
167 14.9 12.3 18.5

Manual Integrations  
APPROVED

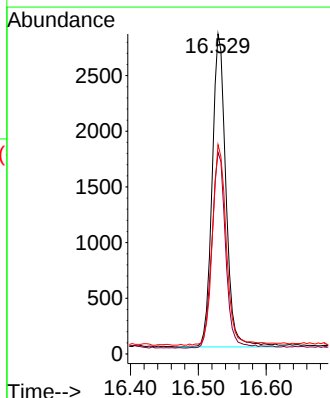
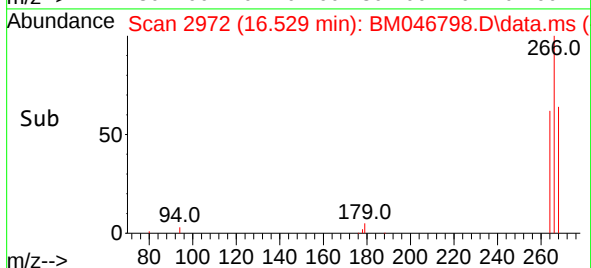
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024

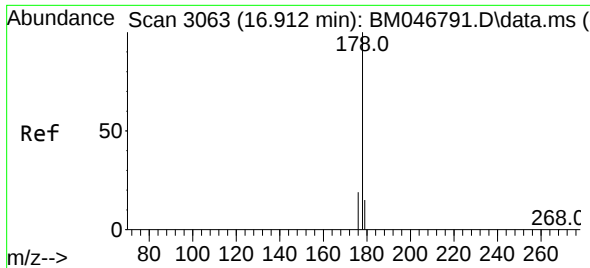


#14  
Pentachlorophenol  
Concen: 0.572 ng/ul  
RT: 16.529 min Scan# 2972  
Delta R.T. -0.004 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06



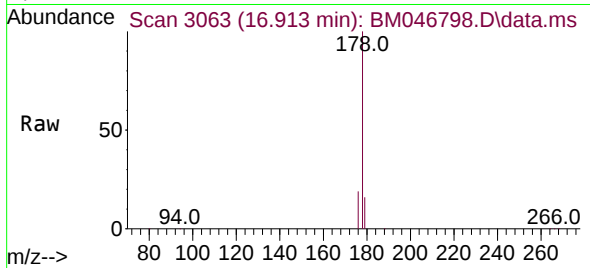
Tgt Ion:266 Resp: 3954  
Ion Ratio Lower Upper  
266 100  
264 63.1 51.1 76.7  
268 64.7 51.8 77.6





#15  
Phenanthrene  
Concen: 16.929 ng/ul  
RT: 16.913 min Scan# 3063  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

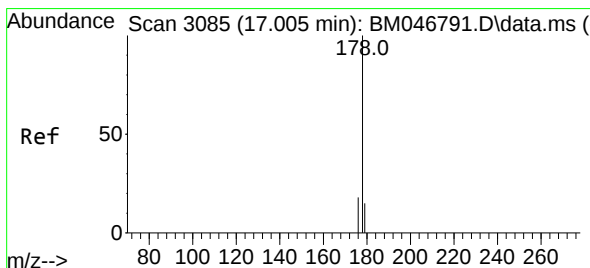
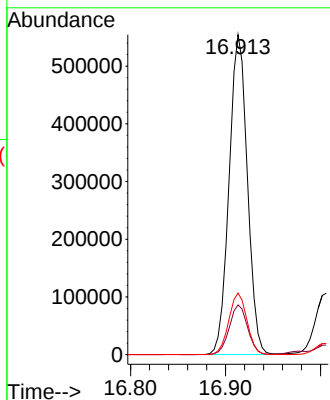
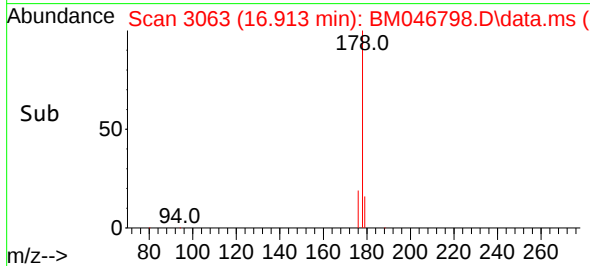
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



Tgt Ion:178 Resp: 742485  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.4 20.2  
176 19.2 16.1 24.1

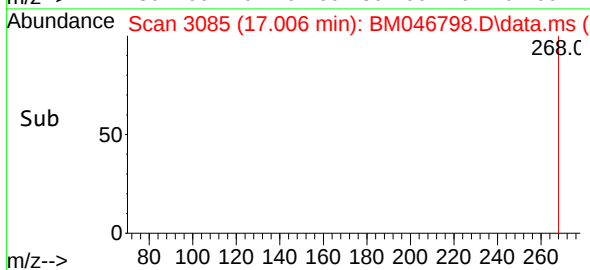
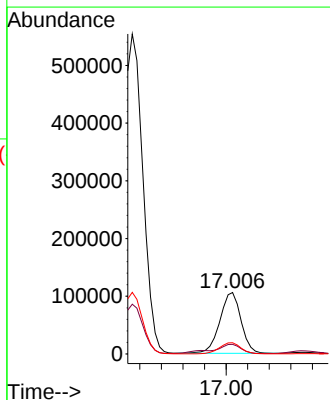
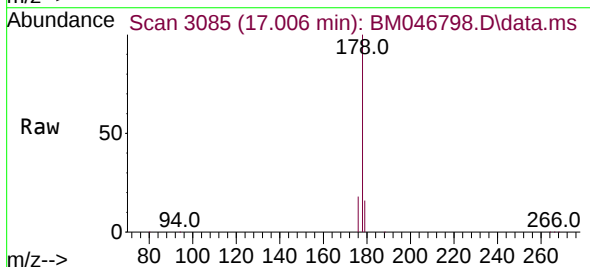
Manual Integrations  
APPROVED

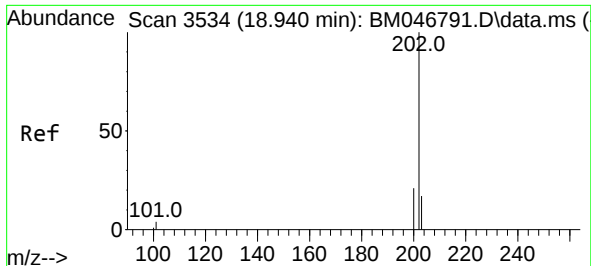
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#16  
Anthracene  
Concen: 3.505 ng/ul  
RT: 17.006 min Scan# 3085  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

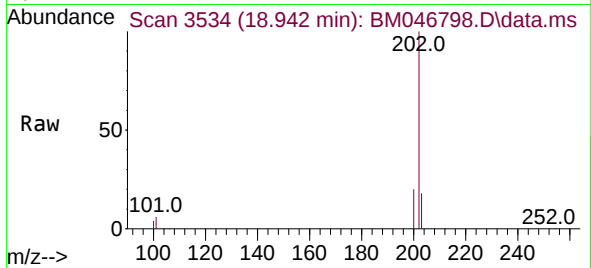
Tgt Ion:178 Resp: 143080  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.1 19.7  
176 18.3 15.0 22.6





#19  
Fluoranthene  
Concen: 30.486 ng/u1  
RT: 18.942 min Scan# 3534  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

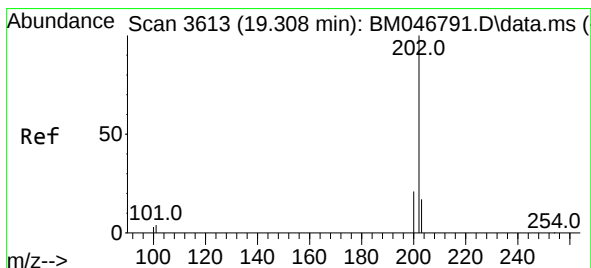
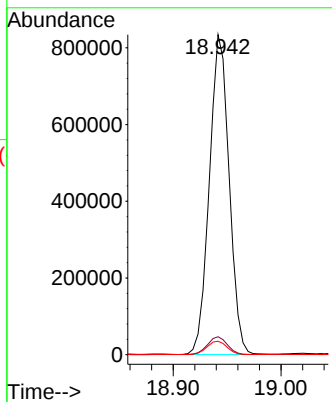
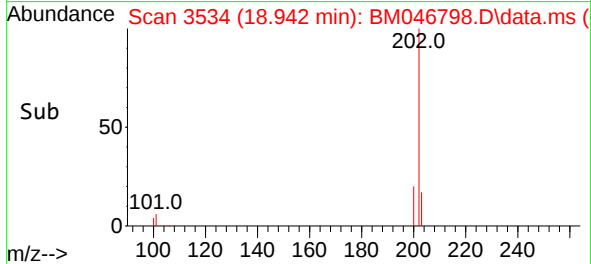
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



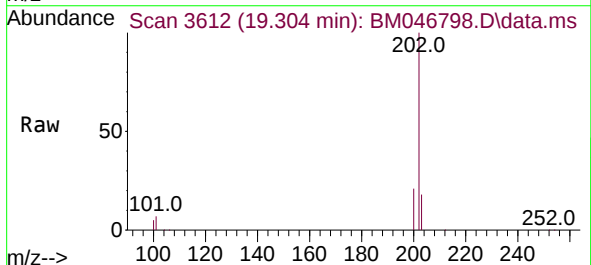
Tgt Ion:202 Resp: 1061079  
Ion Ratio Lower Upper  
202 100  
101 5.6 4.7 7.1  
100 4.2 3.4 5.2

Manual Integrations  
APPROVED

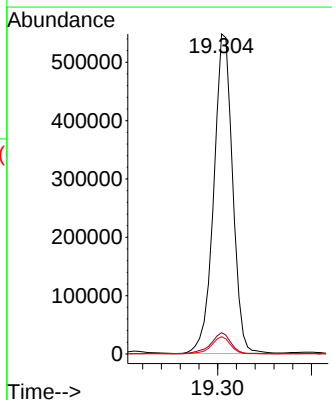
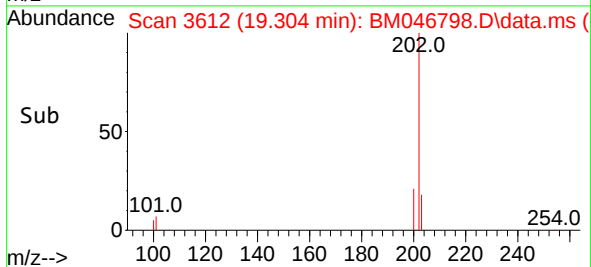
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024

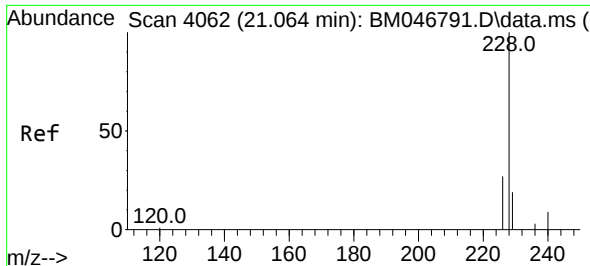


#20  
Pyrene  
Concen: 21.215 ng/u1  
RT: 19.304 min Scan# 3612  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06



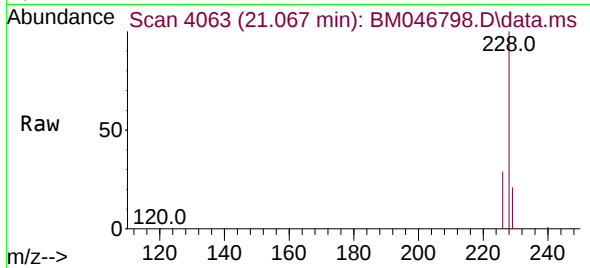
Tgt Ion:202 Resp: 763814  
Ion Ratio Lower Upper  
202 100  
101 6.6 5.2 7.8  
100 5.4 4.3 6.5





#21  
Benzo(a)anthracene  
Concen: 11.169 ng/ul  
RT: 21.067 min Scan# 4063  
Delta R.T. 0.003 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

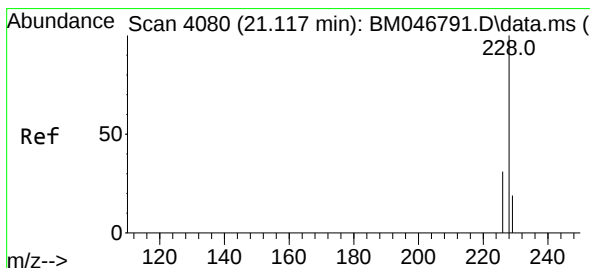
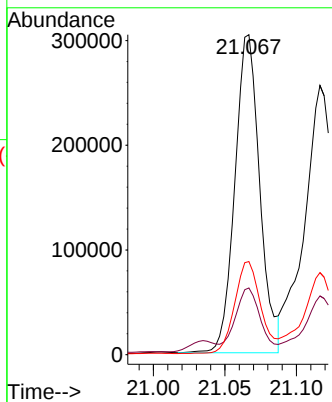
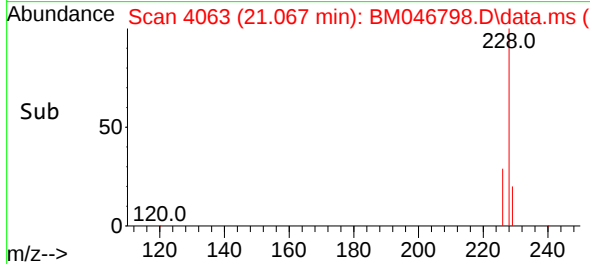
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



Tgt Ion:228 Resp: 368862  
Ion Ratio Lower Upper  
228 100  
229 20.9 16.3 24.5  
226 29.1 22.3 33.5

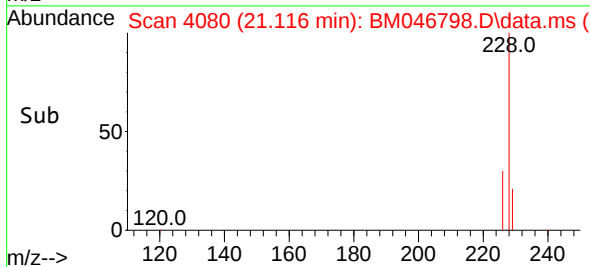
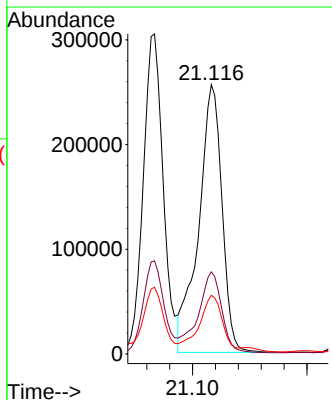
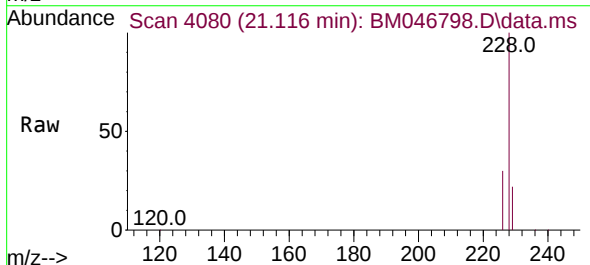
Manual Integrations  
APPROVED

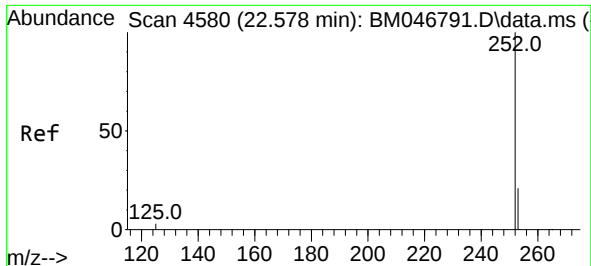
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#22  
Chrysene  
Concen: 10.786 ng/ul  
RT: 21.116 min Scan# 4080  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

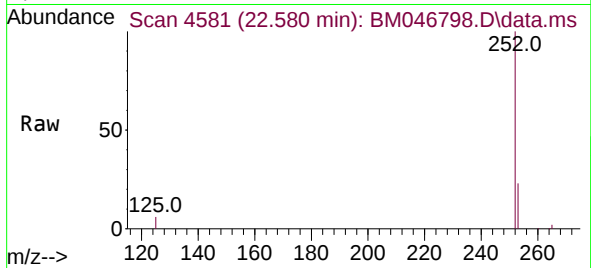
Tgt Ion:228 Resp: 361844  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.5 36.7  
229 21.8 16.2 24.2





#24  
Benzo(b)fluoranthene  
Concen: 11.494 ng/ul m  
RT: 22.580 min Scan# 4580  
Delta R.T. -0.000 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

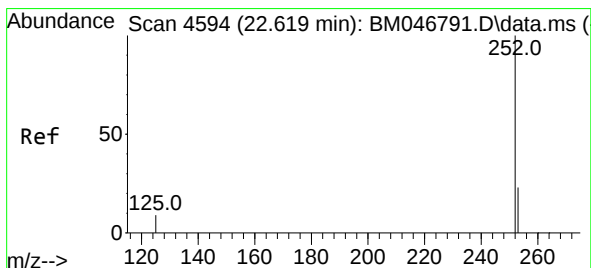
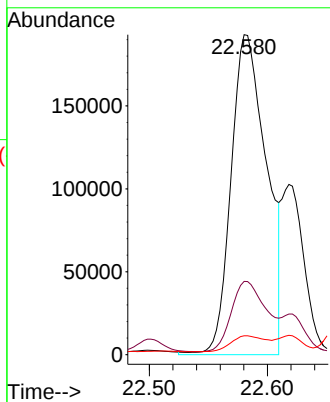
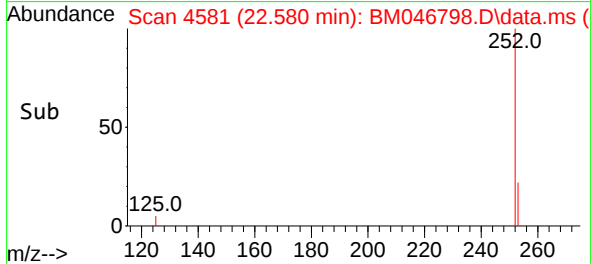
Instrument :  
BNA\_M  
ClientSampleId :  
A4CLOMS



Tgt Ion:252 Resp: 403025  
Ion Ratio Lower Upper  
252 100  
253 22.9 0.0 56.4  
125 5.9 0.0 15.8

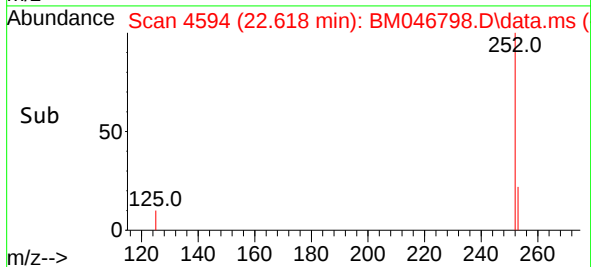
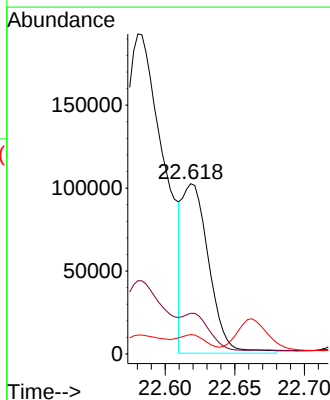
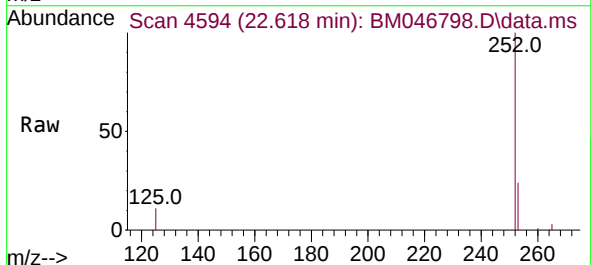
Manual Integrations  
APPROVED

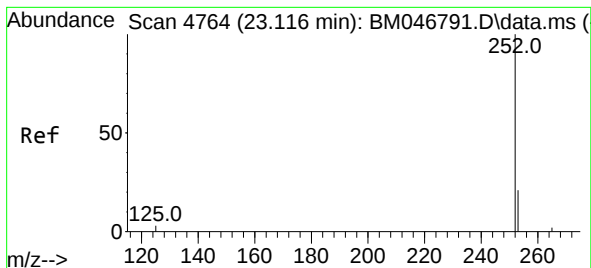
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#25  
Benzo(k)fluoranthene  
Concen: 3.856 ng/ul m  
RT: 22.618 min Scan# 4594  
Delta R.T. -0.003 min  
Lab File: BM046798.D  
Acq: 25 Jul 2024 14:06

Tgt Ion:252 Resp: 136247  
Ion Ratio Lower Upper  
252 100  
253 23.9 23.5 35.3  
125 11.4 8.6 13.0





#26

Benzo(a)pyrene

Concen: 5.866 ng/ul

RT: 23.115 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM046798.D

Acq: 25 Jul 2024 14:06

Instrument :

BNM

ClientSampleId :

A4CLOMS

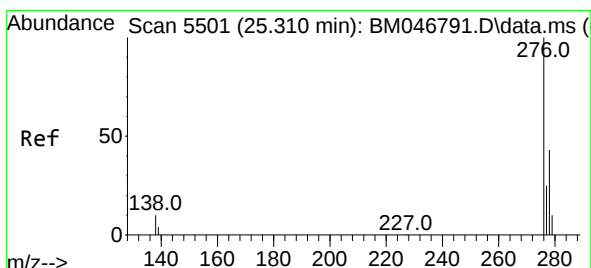
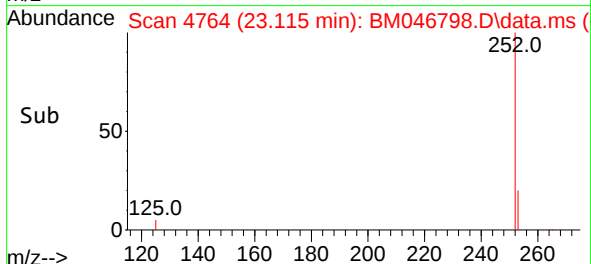
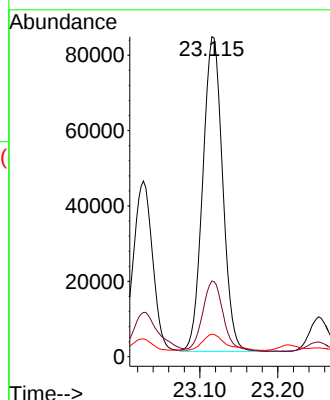
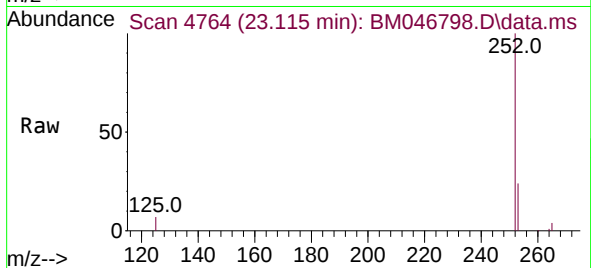
Tgt Ion:252 Resp: 14766

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.7  | 26.0  | 39.0  |
| 125 | 7.0   | 7.8   | 11.8  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.495 ng/ul

RT: 25.316 min Scan# 5503

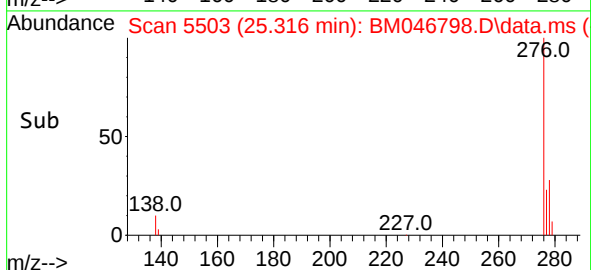
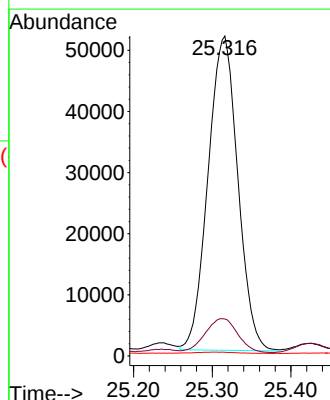
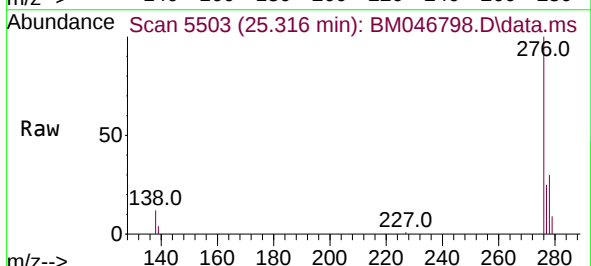
Delta R.T. -0.000 min

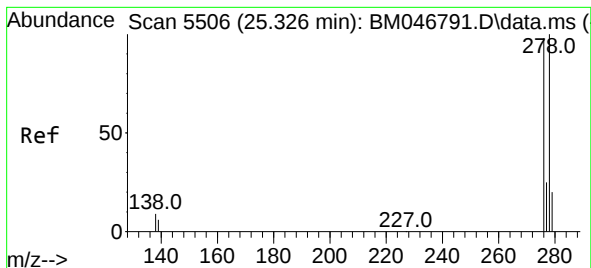
Lab File: BM046798.D

Acq: 25 Jul 2024 14:06

Tgt Ion:276 Resp: 135392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 11.8  | 9.7   | 14.5  |
| 227 | 0.6   | 0.2   | 0.2   |





#28

Dibenzo(a,h)anthracene

Concen: 1.708 ng/ul

RT: 25.323 min Scan# 5506

Delta R.T. -0.010 min

Lab File: BM046798.D

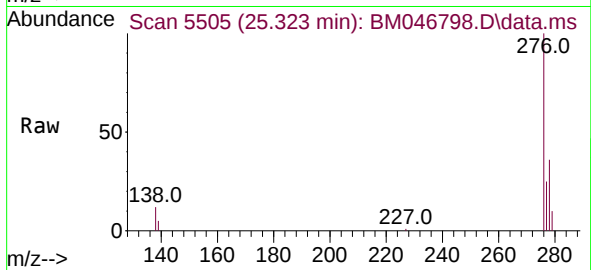
Acq: 25 Jul 2024 14:06

Instrument :

BNA\_M

ClientSampleId :

A4CLOMS



Tgt Ion:278 Resp: 48430

Ion Ratio Lower Upper

278 100

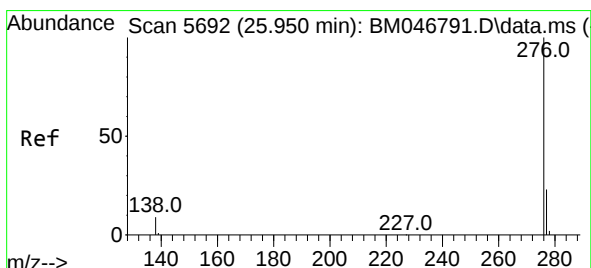
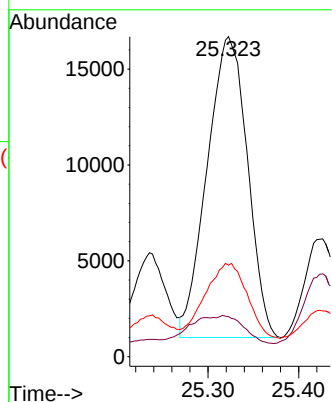
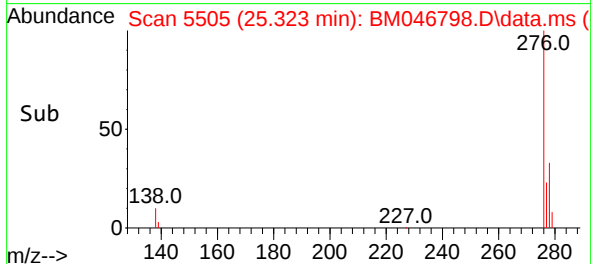
139 12.6 9.8 14.8

279 28.6 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#29

Benzo(g,h,i)perylene

Concen: 0.652 ng/ul

RT: 25.956 min Scan# 5694

Delta R.T. 0.003 min

Lab File: BM046798.D

Acq: 25 Jul 2024 14:06

Tgt Ion:276 Resp: 22245

Ion Ratio Lower Upper

276 100

138 16.6 9.5 14.3#

277 29.4 20.9 31.3

