

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
 Data File : BM046405.D  
 Acq On : 06 Jul 2024 06:03  
 Operator : MA/JU  
 Sample : P3010-24  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CW5

Manual Integrations  
 APPROVED

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

Quant Time: Jul 06 06:33:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 05 16:01:25 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.539  | 152  | 9052     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.299 | 136  | 25536    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.178 | 164  | 14186    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.935 | 188  | 25361    | 0.400  | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.143 | 240  | 10894    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.303 | 264  | 16059    | 0.400  | ng/ul  | # 0.00   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.130  | 96   | 24402    | 2.610  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.904 | 152  | 10049    | 0.266  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.974 | 212  | 14625    | 0.383  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 5) Naphthalene              | 10.348 | 128  | 61319    | 0.905  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.976 | 142  | 24926    | 0.544  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.196 | 142  | 19153    | 0.405  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.896 | 152  | 128107   | 1.779  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.243 | 153  | 75363    | 1.605  | ng/ul  | 98       |
| 12) Fluorene                | 15.238 | 166  | 92817    | 1.675  | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.588 | 266  | 966      | 0.131  | ng/ul  | 97       |
| 15) Phenanthrene            | 16.977 | 178  | 1805014  | 23.767 | ng/ul  | 99       |
| 16) Anthracene              | 17.065 | 178  | 353229   | 4.795  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.002 | 202  | 3279521  | 59.556 | ng/ul  | 99       |
| 20) Pyrene                  | 19.369 | 202  | 2099831  | 37.061 | ng/ul# | 94       |
| 21) Benzo(a)anthracene      | 21.125 | 228  | 1213606  | 24.933 | ng/ul  | 95       |
| 22) Chrysene                | 21.178 | 228  | 1346127  | 27.815 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.668 | 252  | 1842355m | 26.985 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.706 | 252  | 642407m  | 9.321  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.212 | 252  | 608825   | 11.282 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.457 | 276  | 640821   | 8.790  | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.467 | 278  | 216825   | 3.844  | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 26.108 | 276  | 93654    | 1.611  | ng/ul  | 93       |

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

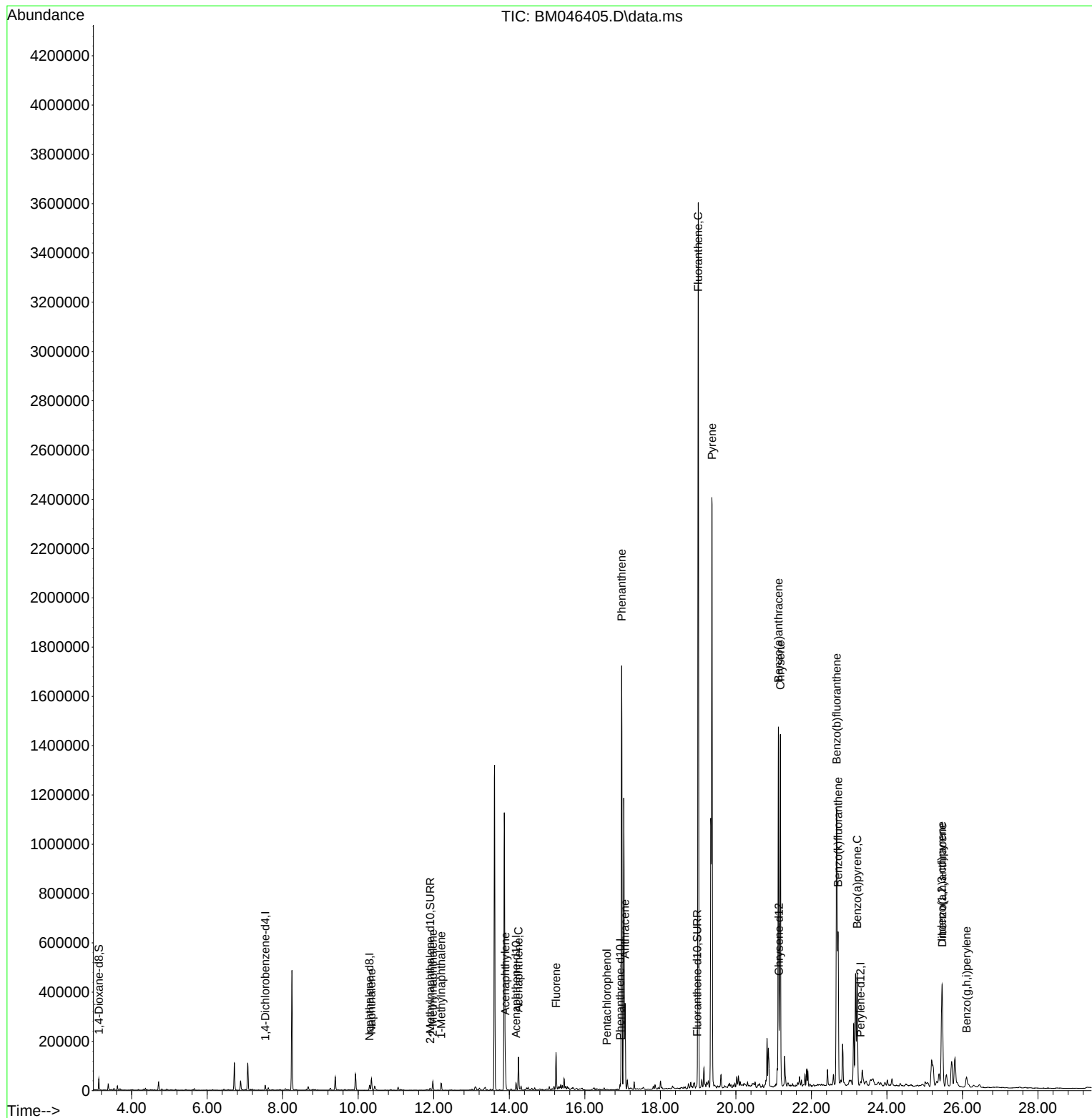
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046405.D  
Acq On : 06 Jul 2024 06:03  
Operator : MA/JU  
Sample : P3010-24  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

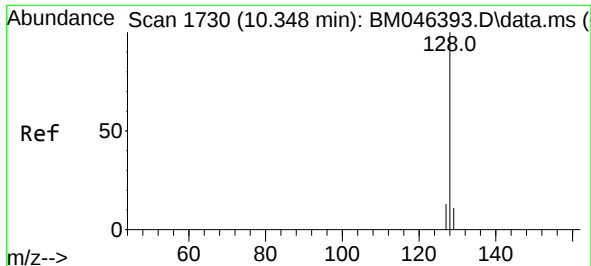
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW5

Manual Integrations  
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Supervised By :mohammad ahmed 07/08/2024

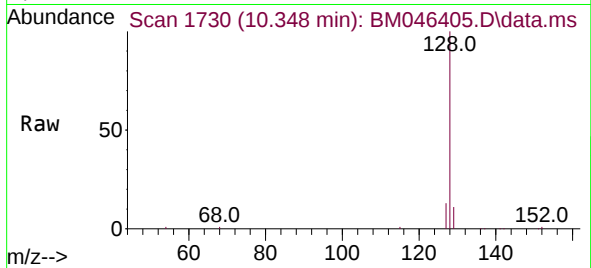
Quant Time: Jul 06 06:33:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.905 ng/ul  
RT: 10.348 min Scan# 1730  
Delta R.T. -0.004 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

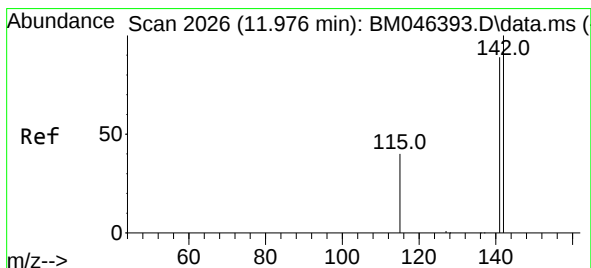
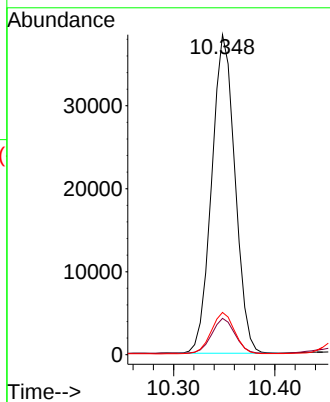
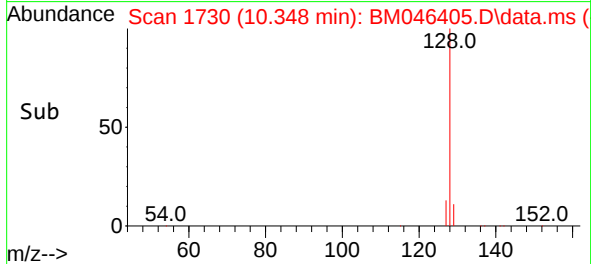
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW5



Tgt Ion:128 Resp: 61319  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.4 14.0  
127 13.2 10.8 16.2

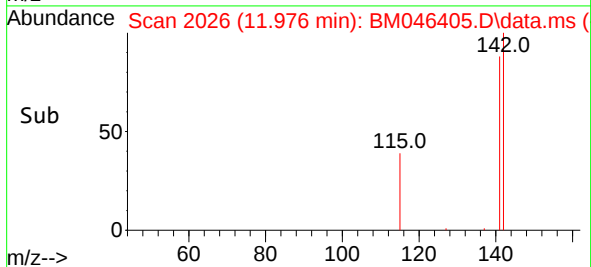
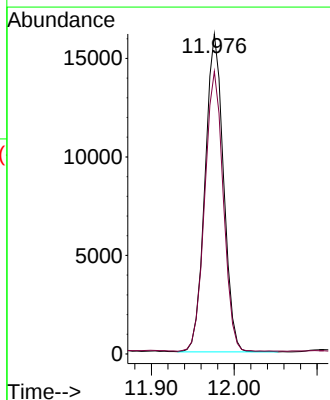
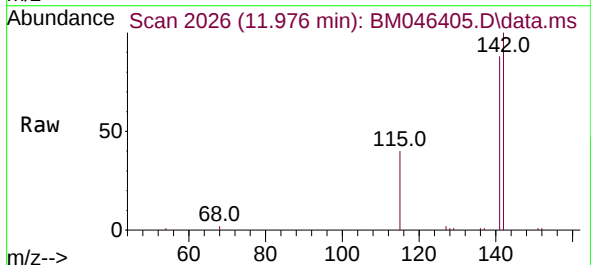
Manual Integrations  
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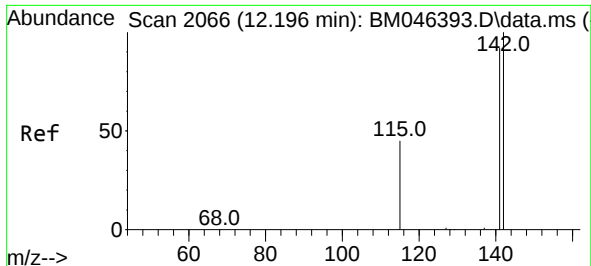
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#7  
2-Methylnaphthalene  
Concen: 0.544 ng/ul  
RT: 11.976 min Scan# 2026  
Delta R.T. -0.004 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

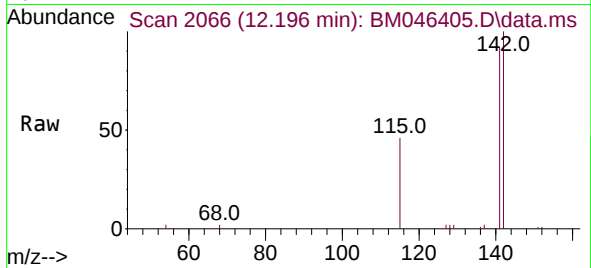
Tgt Ion:142 Resp: 24926  
Ion Ratio Lower Upper  
142 100  
141 88.4 69.8 104.6





#8  
1-Methylnaphthalene  
Concen: 0.405 ng/ul  
RT: 12.196 min Scan# 2066  
Delta R.T. -0.004 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

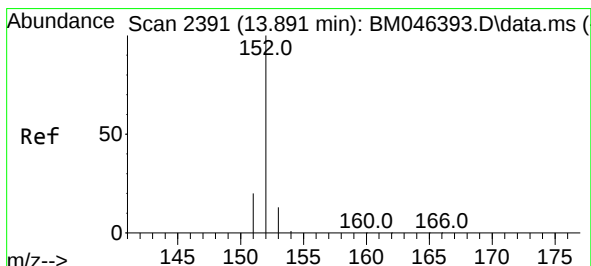
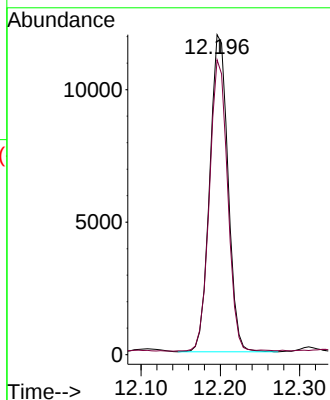
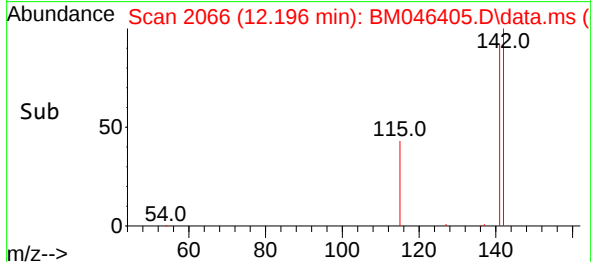
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW5



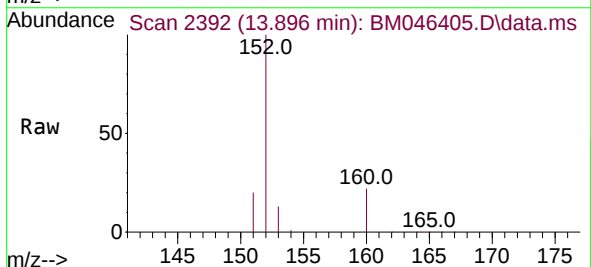
Tgt Ion:142 Resp: 1915  
Ion Ratio Lower Upper  
142 100  
141 91.4 72.4 108.6

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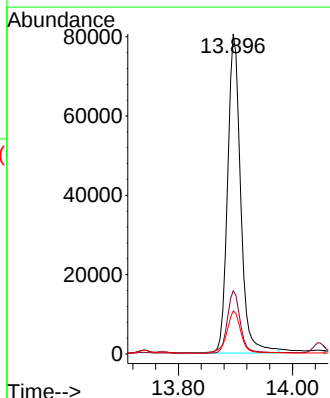
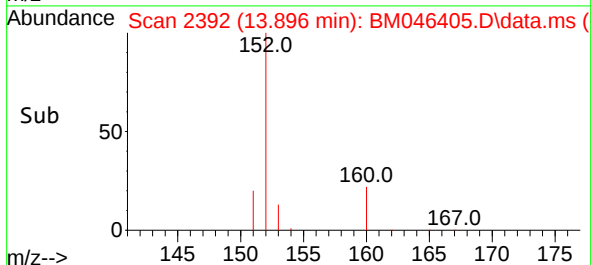
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

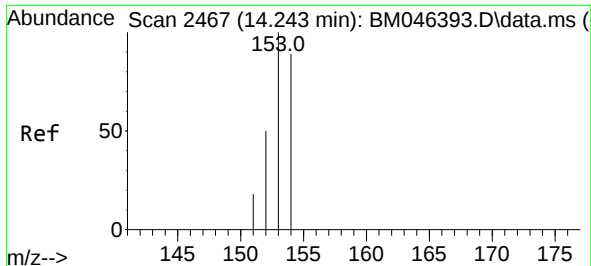


#10  
Acenaphthylene  
Concen: 1.779 ng/ul  
RT: 13.896 min Scan# 2392  
Delta R.T. -0.003 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03



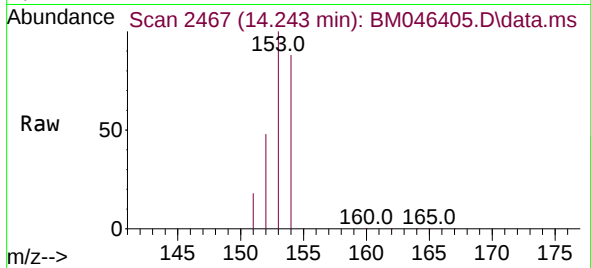
Tgt Ion:152 Resp: 128107  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.9 23.9  
153 13.4 11.0 16.6





#11  
Acenaphthene  
Concen: 1.605 ng/ul  
RT: 14.243 min Scan# 2467  
Delta R.T. -0.003 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

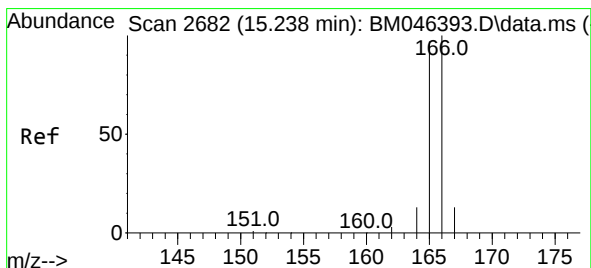
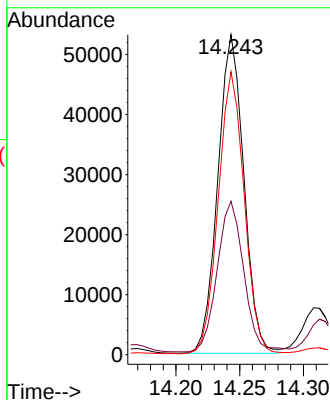
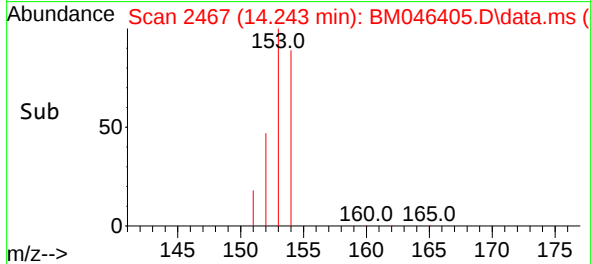
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW5



Tgt Ion:153 Resp: 7536  
Ion Ratio Lower Upper  
153 100  
152 47.9 40.4 60.6  
154 88.4 72.1 108.1

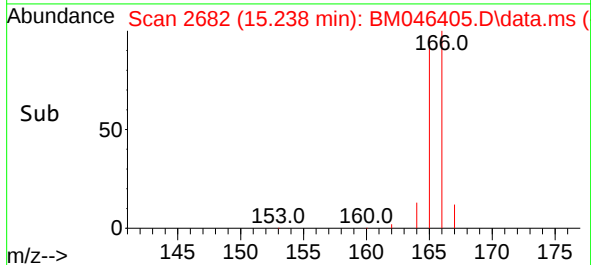
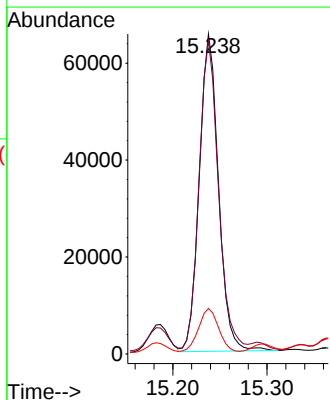
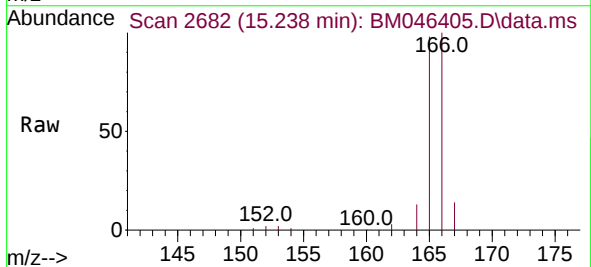
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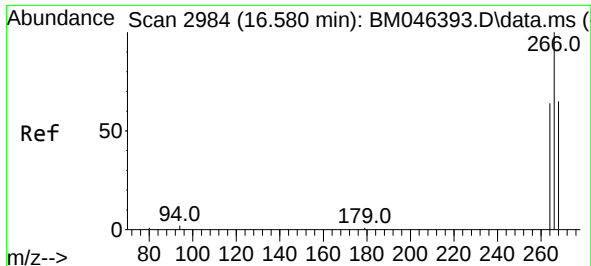
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#12  
Fluorene  
Concen: 1.675 ng/ul  
RT: 15.238 min Scan# 2682  
Delta R.T. -0.003 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

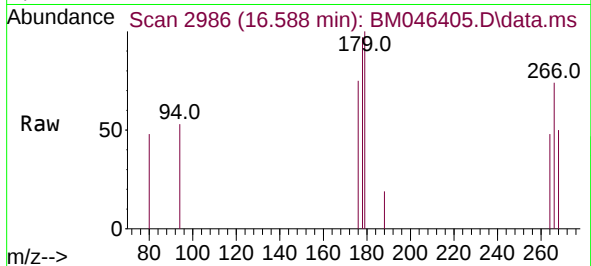
Tgt Ion:166 Resp: 92817  
Ion Ratio Lower Upper  
166 100  
165 97.9 78.0 117.0  
167 14.2 11.4 17.0





#14  
Pentachlorophenol  
Concen: 0.131 ng/ul  
RT: 16.588 min Scan# 2984  
Delta R.T. 0.002 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

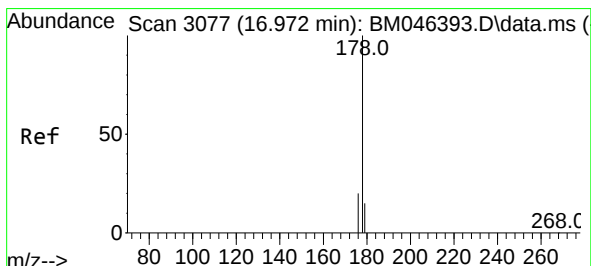
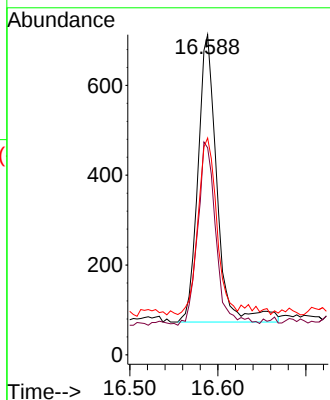
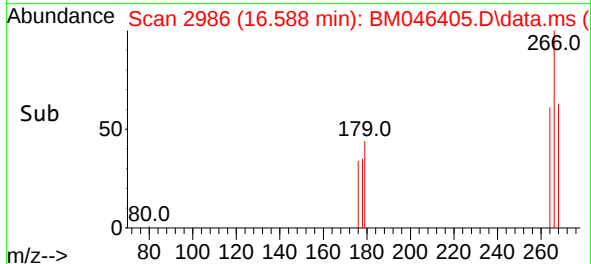
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW5



Tgt Ion:266 Resp: 960  
Ion Ratio Lower Upper  
266 100  
264 61.4 51.0 76.6  
268 60.5 50.8 76.2

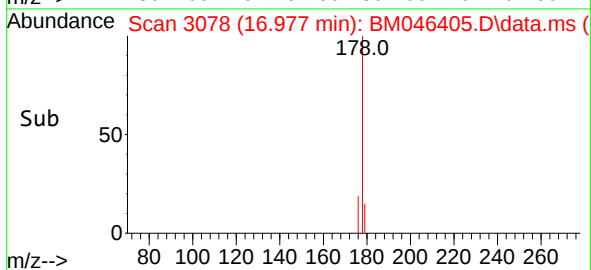
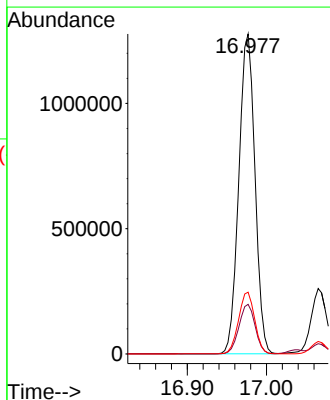
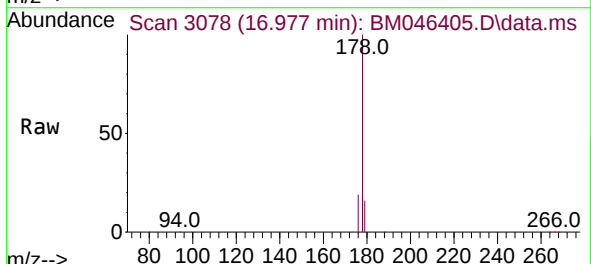
Manual Integrations  
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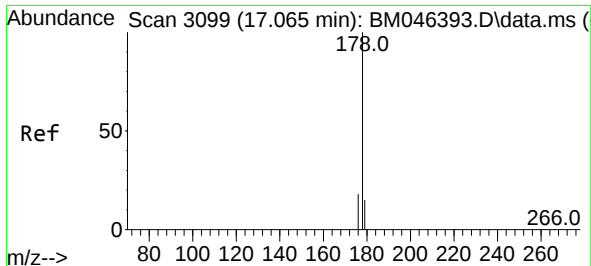
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#15  
Phenanthrene  
Concen: 23.767 ng/ul  
RT: 16.977 min Scan# 3078  
Delta R.T. 0.002 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

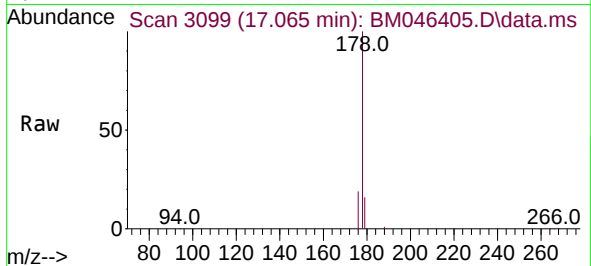
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Ion Ratio Lower Upper  
178 100  
179 15.5 12.7 19.1  
176 19.3 16.0 24.0





#16  
 Anthracene  
 Concen: 4.795 ng/ul  
 RT: 17.065 min Scan# 3099  
 Delta R.T. -0.003 min  
 Lab File: BM046405.D  
 Acq: 06 Jul 2024 06:03

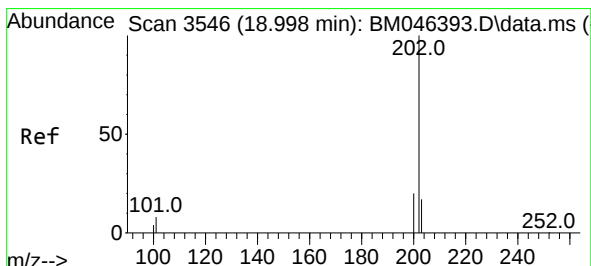
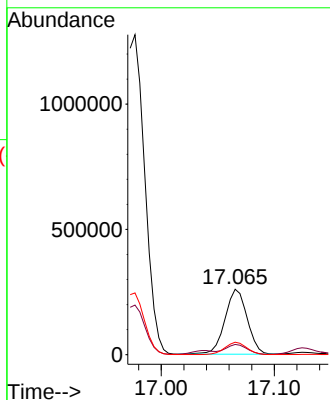
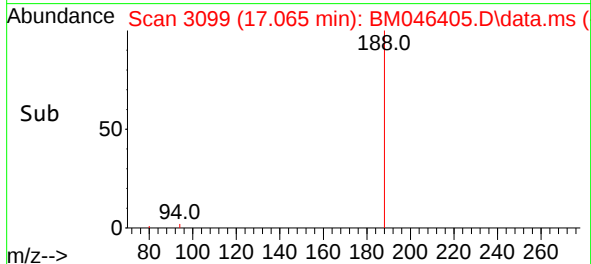
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CW5



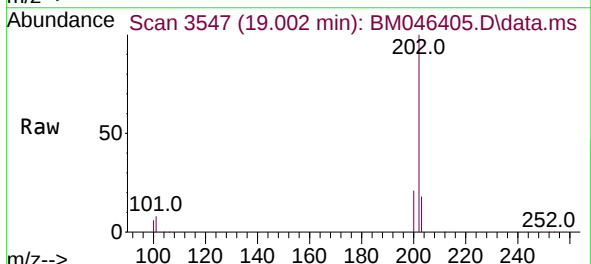
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 Ion Ratio Lower Upper  
 178 100  
 179 15.6 12.6 18.8  
 176 19.0 14.9 22.3

Manual Integrations  
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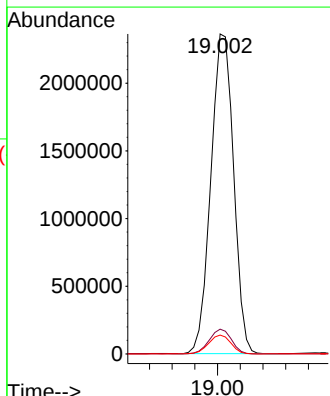
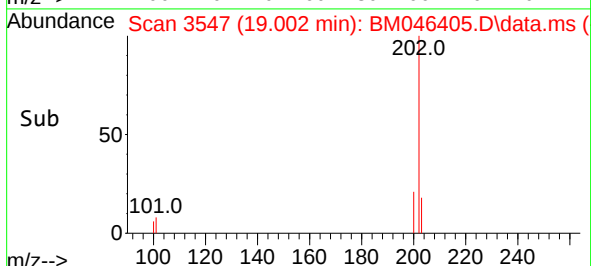
Reviewed By :Yogesh Patel 07/08/2024  
 Supervised By :mohammad ahmed 07/08/2024

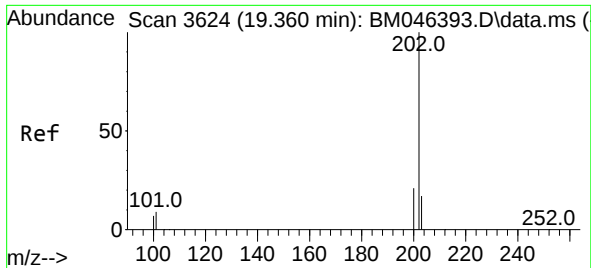


#19  
 Fluoranthene  
 Concen: 59.556 ng/ul  
 RT: 19.002 min Scan# 3547  
 Delta R.T. -0.003 min  
 Lab File: BM046405.D  
 Acq: 06 Jul 2024 06:03



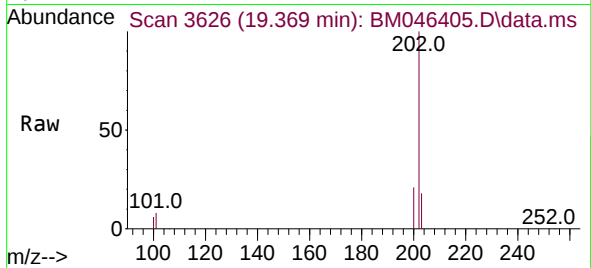
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 Ion Ratio Lower Upper  
 202 100  
 101 7.8 6.3 9.5  
 100 5.9 5.0 7.6





#20  
Pyrene  
Concen: 37.061 ng/ul  
RT: 19.369 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

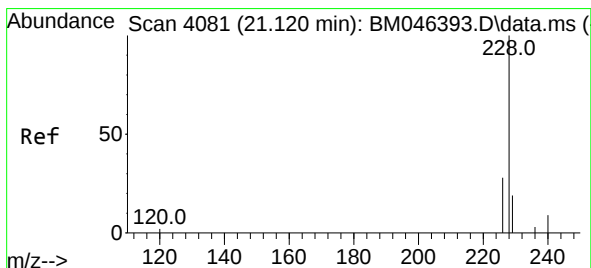
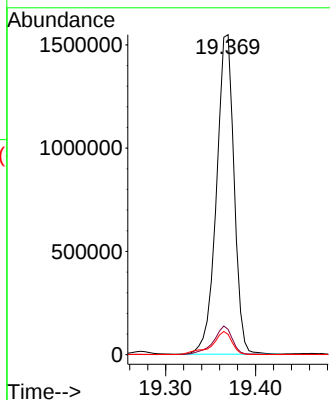
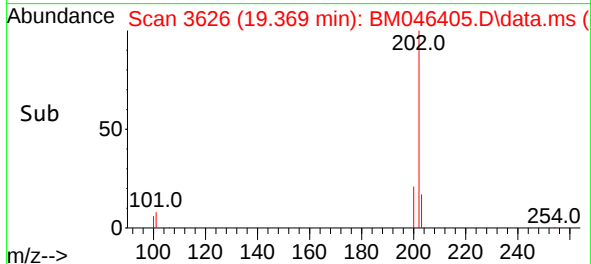
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW5



Tgt Ion:202 Resp: 209983  
Ion Ratio Lower Upper  
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101 7.9 8.2 12.4  
100 6.4 6.9 10.3

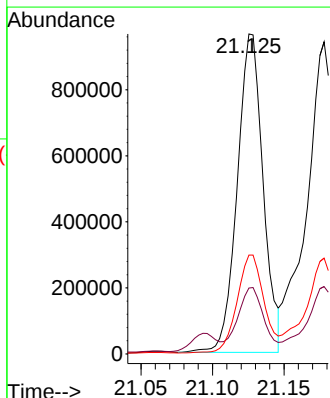
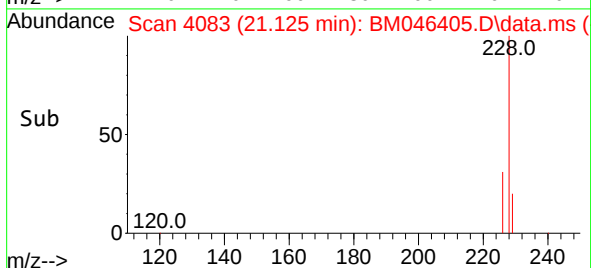
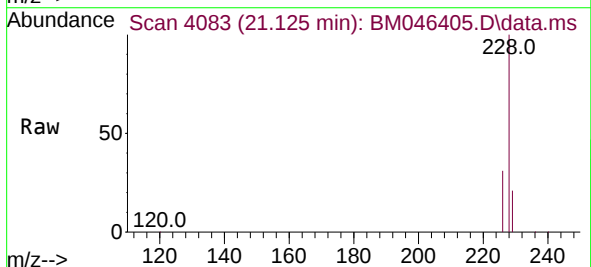
Manual Integrations  
APPROVED

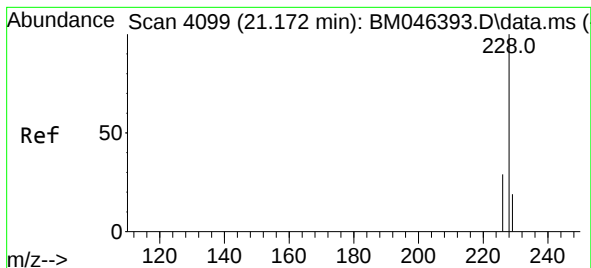
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#21  
Benzo(a)anthracene  
Concen: 24.933 ng/ul  
RT: 21.125 min Scan# 4083  
Delta R.T. -0.000 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

Tgt Ion:228 Resp: 1213606  
Ion Ratio Lower Upper  
228 100  
229 20.6 15.8 23.6  
226 30.9 22.0 33.0





#22

Chrysene

Concen: 27.815 ng/ul

RT: 21.178 min Scan# 4101

Delta R.T. -0.000 min

Lab File: BM046405.D

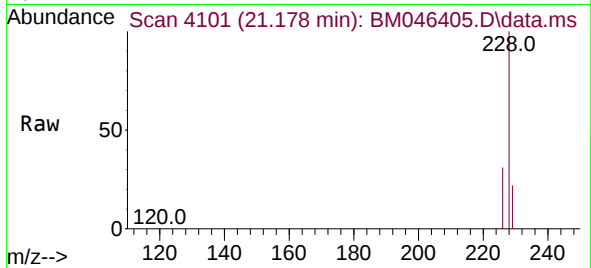
Acq: 06 Jul 2024 06:03

Instrument :

BNA\_M

ClientSampleId :

A4CW5



Tgt Ion:228 Resp: 134612

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

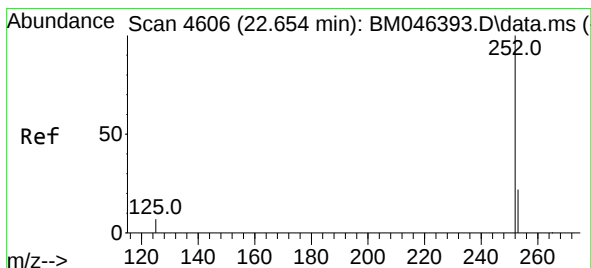
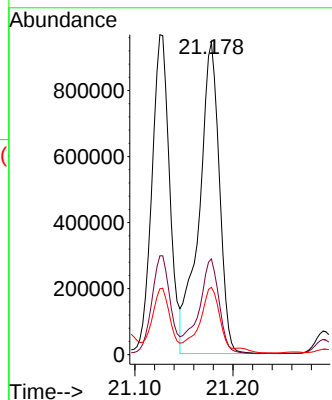
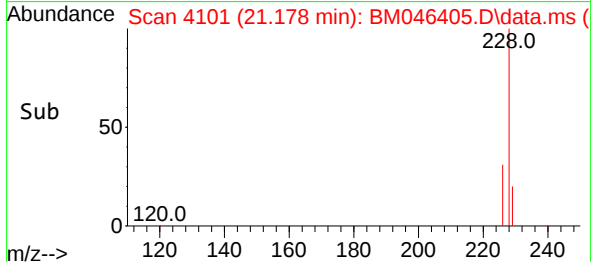
229 21.6 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#24

Benzo(b)fluoranthene

Concen: 26.985 ng/ul m

RT: 22.668 min Scan# 4611

Delta R.T. 0.006 min

Lab File: BM046405.D

Acq: 06 Jul 2024 06:03

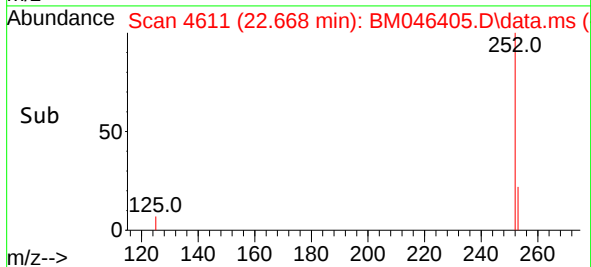
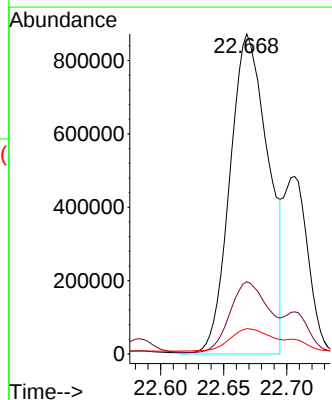
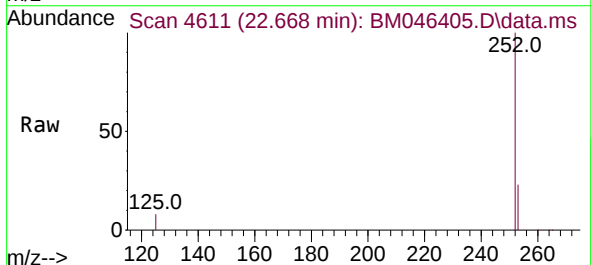
Tgt Ion:252 Resp: 1842355

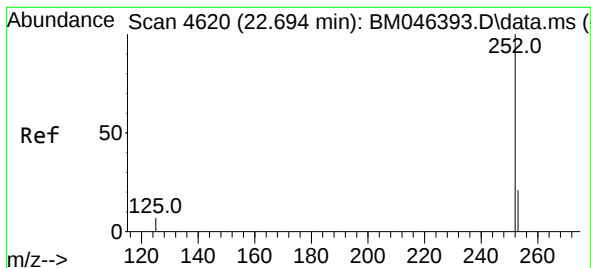
Ion Ratio Lower Upper

252 100

253 22.6 0.0 47.0

125 7.9 0.0 18.4





#25

Benzo(k)fluoranthene

Concen: 9.321 ng/ul m

RT: 22.706 min Scan# 4624

Delta R.T. -0.000 min

Lab File: BM046405.D

Acq: 06 Jul 2024 06:03

Instrument :

BNA\_M

ClientSampleId :

A4CW5

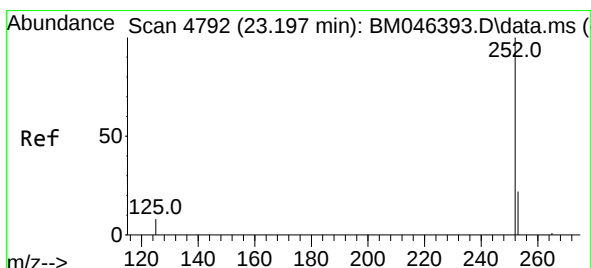
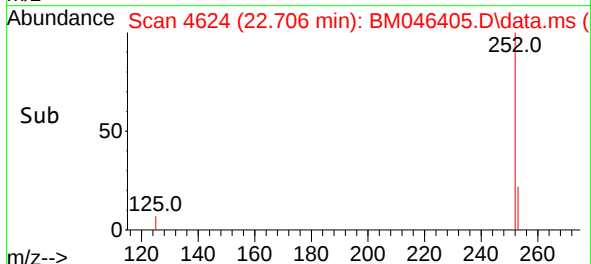
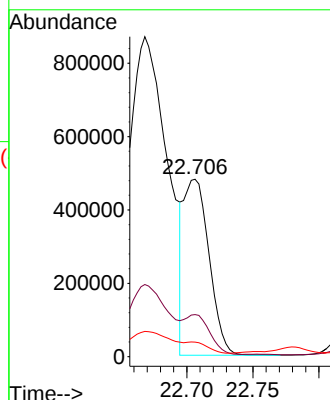
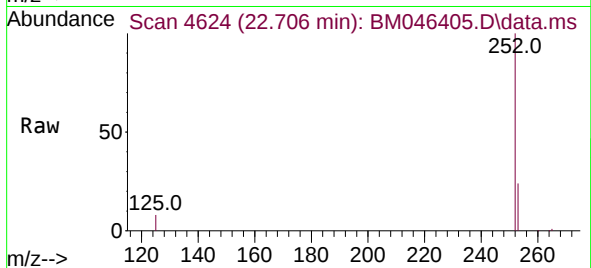
Tgt Ion:252 Resp: 642407  
Ion Ratio Lower Upper  
252 100  
253 23.7 18.4 27.6  
125 8.2 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#26

Benzo(a)pyrene

Concen: 11.282 ng/ul

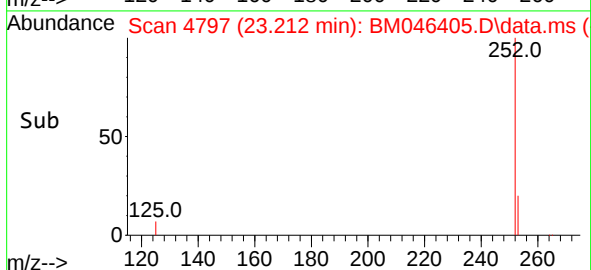
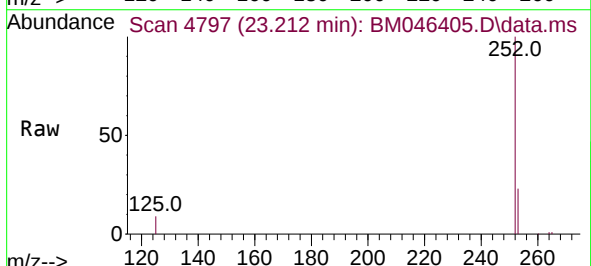
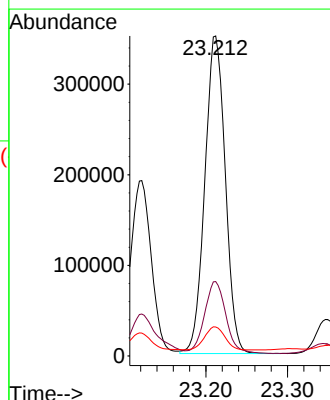
RT: 23.212 min Scan# 4797

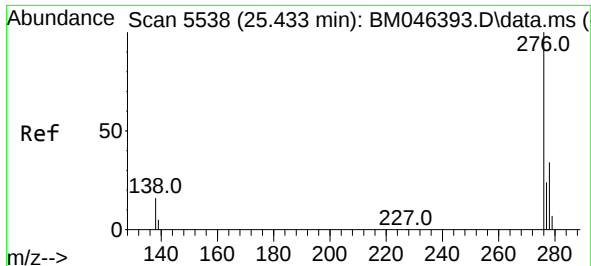
Delta R.T. 0.003 min

Lab File: BM046405.D

Acq: 06 Jul 2024 06:03

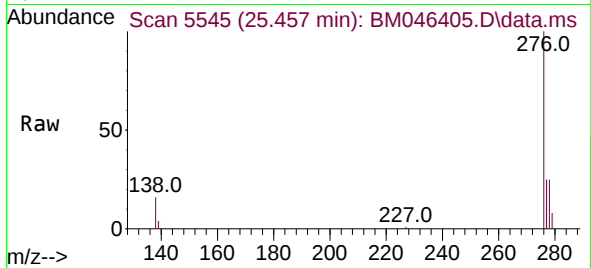
Tgt Ion:252 Resp: 608825  
Ion Ratio Lower Upper  
252 100  
253 23.2 18.9 28.3  
125 9.1 8.1 12.1





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 8.790 ng/ul  
RT: 25.457 min Scan# 5545  
Delta R.T. 0.010 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

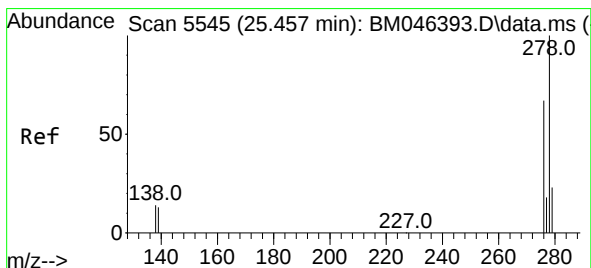
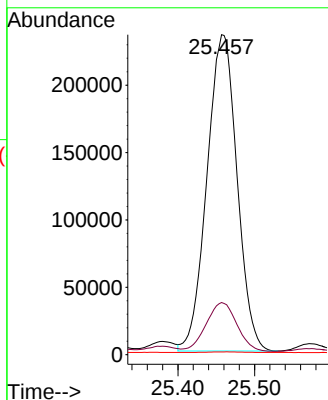
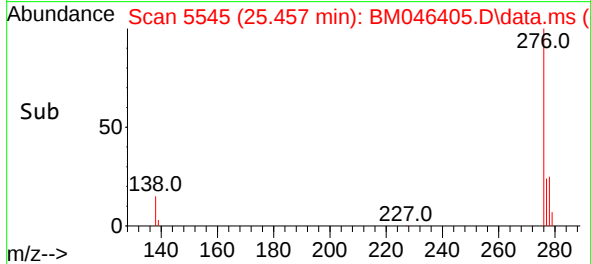
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW5



Tgt Ion:276 Resp: 640825  
Ion Ratio Lower Upper  
276 100  
138 15.7 15.7 23.5  
227 0.3 0.1 0.1

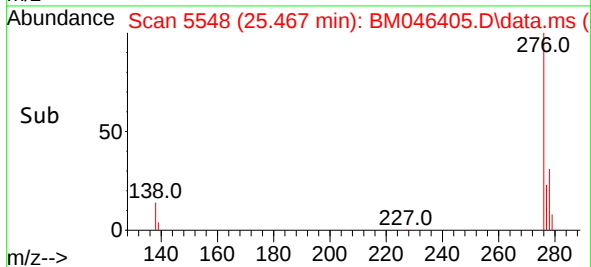
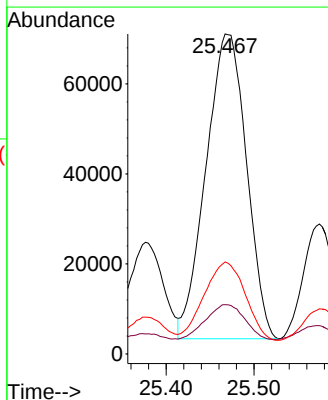
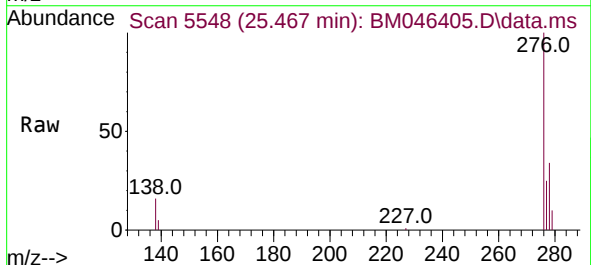
Manual Integrations  
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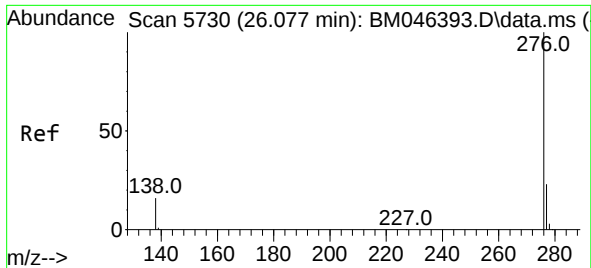
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#28  
Dibenzo(a,h)anthracene  
Concen: 3.844 ng/ul  
RT: 25.467 min Scan# 5548  
Delta R.T. -0.007 min  
Lab File: BM046405.D  
Acq: 06 Jul 2024 06:03

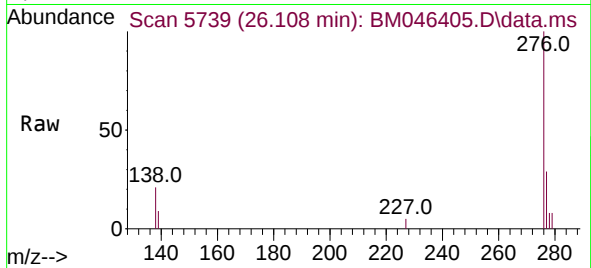
Tgt Ion:278 Resp: 216825  
Ion Ratio Lower Upper  
278 100  
139 15.4 12.6 18.8  
279 28.7 20.7 31.1





#29  
 Benzo(g,h,i)perylene  
 Concen: 1.611 ng/ul  
 RT: 26.108 min Scan# 51  
 Delta R.T. 0.017 min  
 Lab File: BM046405.D  
 Acq: 06 Jul 2024 06:03

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CW5



Tgt Ion:276 Resp: 93654  
 Ion Ratio Lower Upper  
 276 100  
 138 21.3 15.4 23.0  
 277 28.8 19.7 29.5

Manual Integrations  
 APPROVED

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

