

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071224\  
 Data File : BM046572.D  
 Acq On : 13 Jul 2024 08:23  
 Operator : MA/JU  
 Sample : P3088-03MS  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CC5MS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2024  
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 08:59:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 08:57:27 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.510  | 152  | 3627     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.264 | 136  | 9181     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.149 | 164  | 5634     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 16.899 | 188  | 11543    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.105 | 240  | 9166     | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.247 | 264  | 10781    | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.117  | 96   | 1285     | 0.431 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.864 | 152  | 4153     | 0.281 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 18.940 | 212  | 9305     | 0.334 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.151  | 88   | 3478     | 1.094 | ng/ul#  | 70       |
| 5) Naphthalene              | 10.314 | 128  | 6958     | 0.298 | ng/ul   | 98       |
| 7) 2-Methylnaphthalene      | 11.941 | 142  | 4776     | 0.291 | ng/ul   | 100      |
| 8) 1-Methylnaphthalene      | 12.161 | 142  | 4678     | 0.279 | ng/ul   | 100      |
| 10) Acenaphthylene          | 13.862 | 152  | 8380     | 0.327 | ng/ul   | 98       |
| 11) Acenaphthene            | 14.209 | 153  | 5603     | 0.326 | ng/ul   | 96       |
| 12) Fluorene                | 15.208 | 166  | 6668     | 0.314 | ng/ul   | 99       |
| 14) Pentachlorophenol       | 16.557 | 266  | 1705     | 0.291 | ng/ul   | 98       |
| 15) Phenanthrene            | 16.941 | 178  | 27681    | 0.840 | ng/ul   | 98       |
| 16) Anthracene              | 17.034 | 178  | 11712    | 0.364 | ng/ul   | 99       |
| 19) Fluoranthene            | 18.968 | 202  | 63637    | 1.690 | ng/ul   | 99       |
| 20) Pyrene                  | 19.331 | 202  | 57139    | 1.402 | ng/ul   | 99       |
| 21) Benzo(a)anthracene      | 21.091 | 228  | 31989    | 0.789 | ng/ul   | 99       |
| 22) Chrysene                | 21.143 | 228  | 35969    | 0.917 | ng/ul   | 100      |
| 24) Benzo(b)fluoranthene    | 22.613 | 252  | 47645    | 1.106 | ng/ul   | 92       |
| 25) Benzo(k)fluoranthene    | 22.654 | 252  | 24115    | 0.570 | ng/ul   | 95       |
| 26) Benzo(a)pyrene          | 23.151 | 252  | 33937m   | 0.958 | ng/ul   |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.363 | 276  | 34379    | 0.637 | ng/ul#  | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.380 | 278  | 16277    | 0.381 | ng/ul   | 97       |
| 29) Benzo(g,h,i)perylene    | 26.007 | 276  | 31397    | 0.730 | ng/ul   | 97       |

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

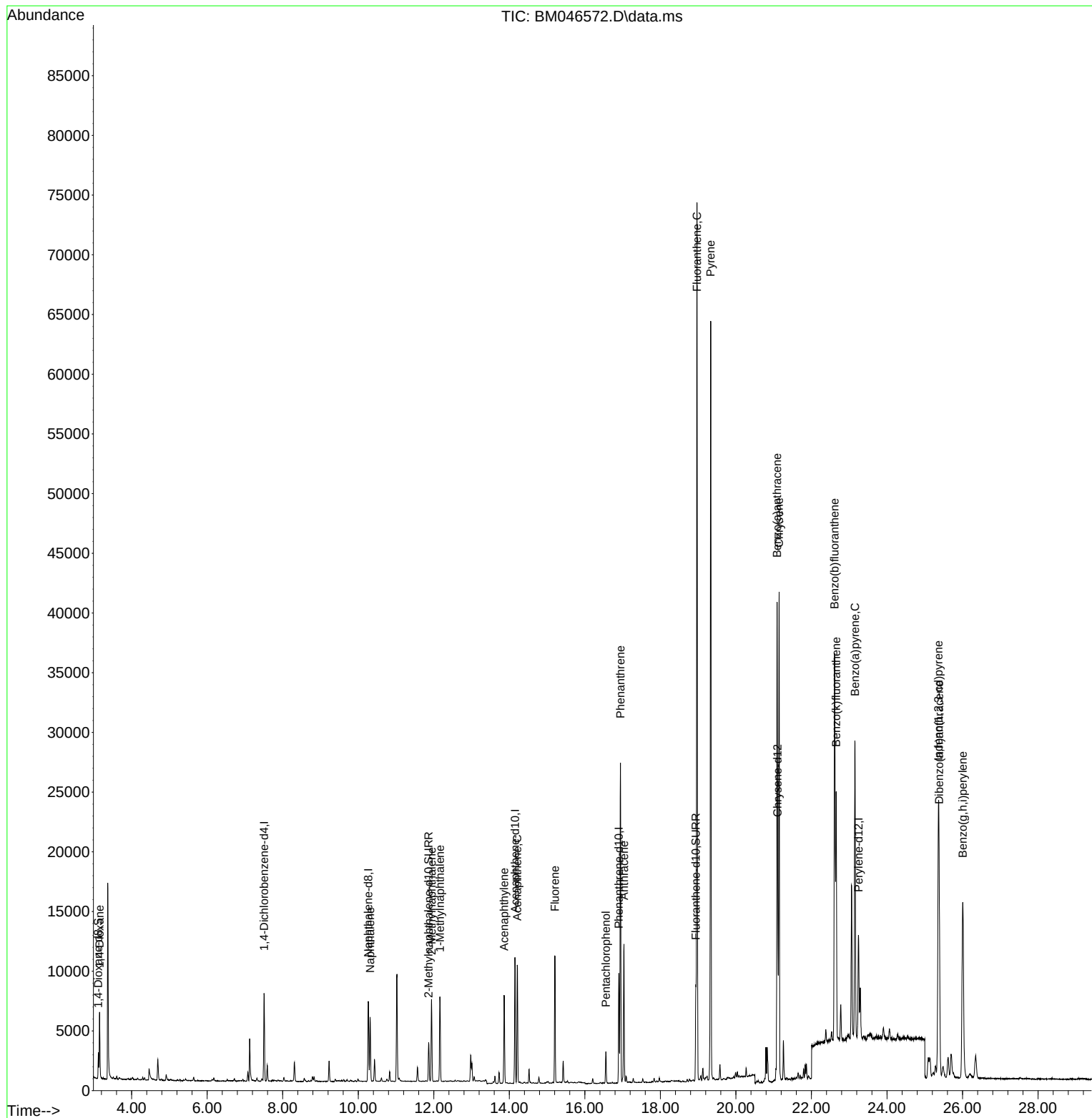
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Data File : BM046572.D  
Acq On : 13 Jul 2024 08:23  
Operator : MA/JU  
Sample : P3088-03MS  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

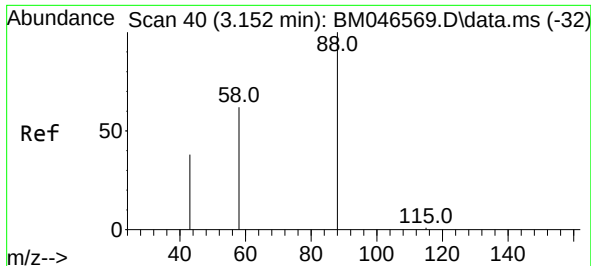
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS

Quant Time: Jul 15 08:59:29 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 08:57:27 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

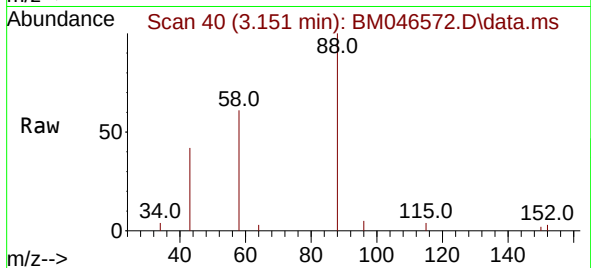
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024





#2  
1,4-Dioxane  
Concen: 1.094 ng/ul  
RT: 3.151 min Scan# 40  
Delta R.T. -0.000 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

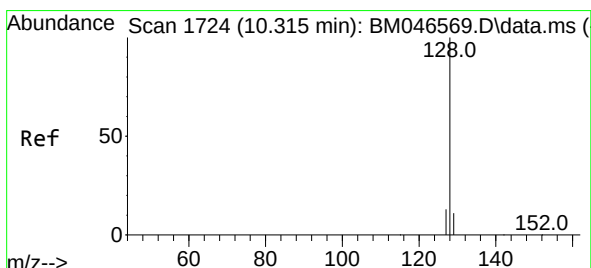
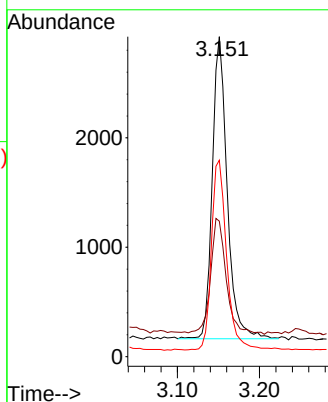
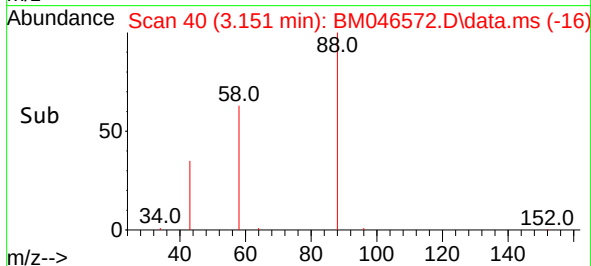
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



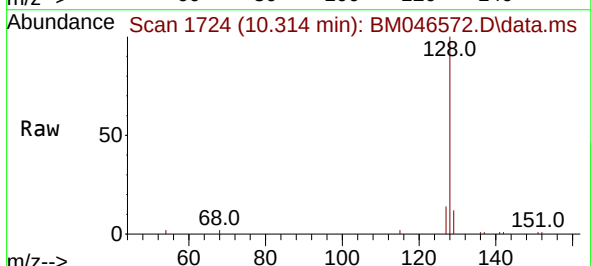
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Ion Ratio Lower Upper  
88 100  
43 42.3 70.2 105.4  
58 61.4 48.2 72.4

Manual Integrations  
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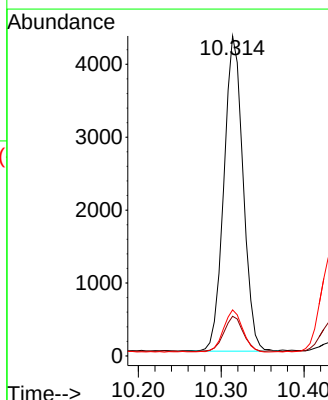
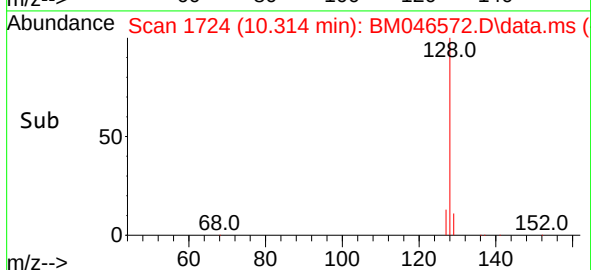
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024

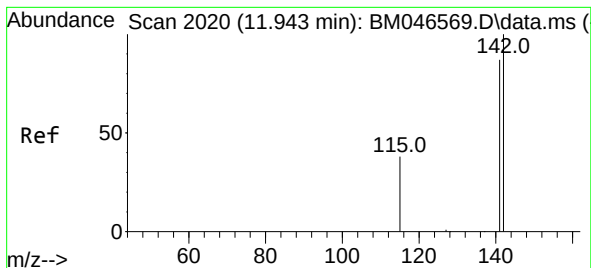


#5  
Naphthalene  
Concen: 0.298 ng/ul  
RT: 10.314 min Scan# 1724  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23



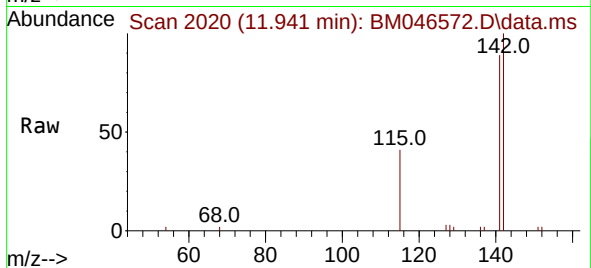
Tgt Ion:128 Resp: 6958  
Ion Ratio Lower Upper  
128 100  
129 12.4 10.3 15.5  
127 14.4 12.2 18.4





#7  
2-Methylnaphthalene  
Concen: 0.291 ng/ul  
RT: 11.941 min Scan# 2020  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

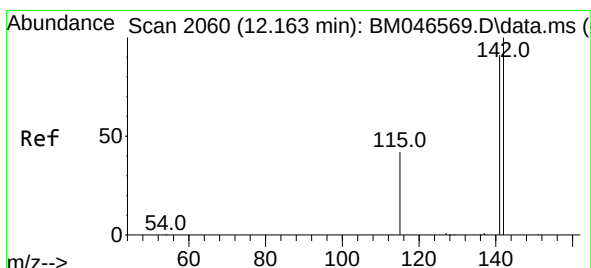
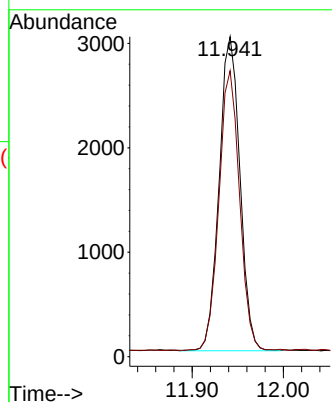
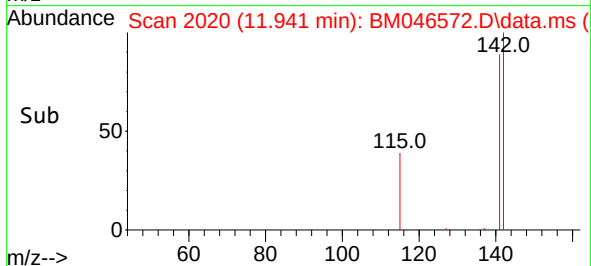
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



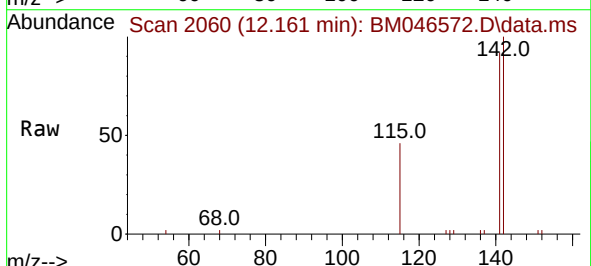
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Ion Ratio Lower Upper  
142 100  
141 88.3 70.3 105.5

Manual Integrations  
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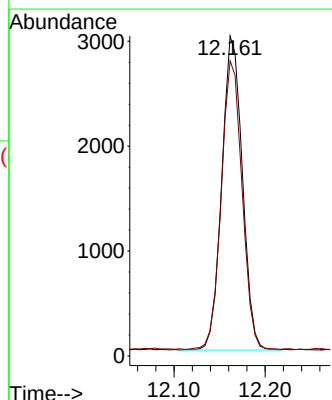
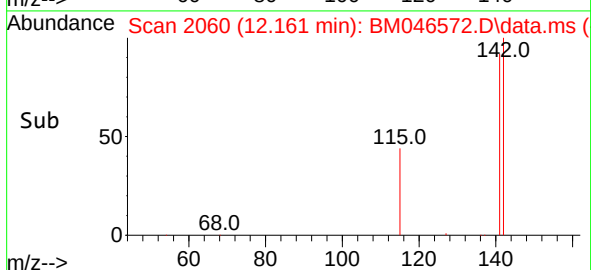
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024

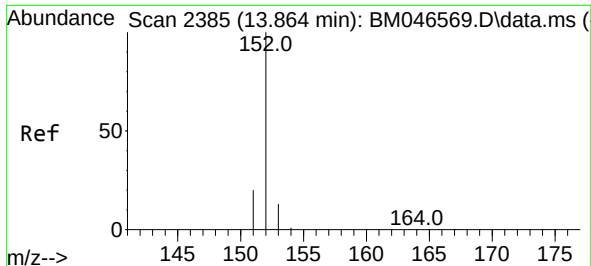


#8  
1-Methylnaphthalene  
Concen: 0.279 ng/ul  
RT: 12.161 min Scan# 2060  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23



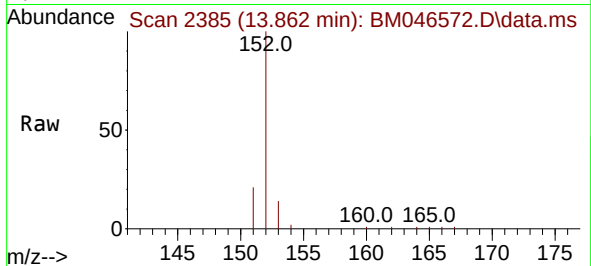
Tgt Ion:142 Resp: 4678  
Ion Ratio Lower Upper  
142 100  
141 92.8 73.9 110.9





#10  
Acenaphthylene  
Concen: 0.327 ng/ul  
RT: 13.862 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

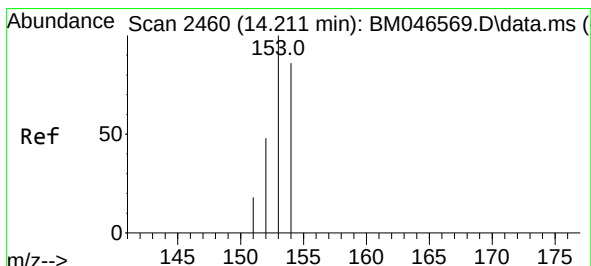
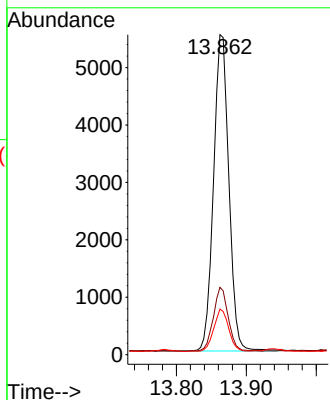
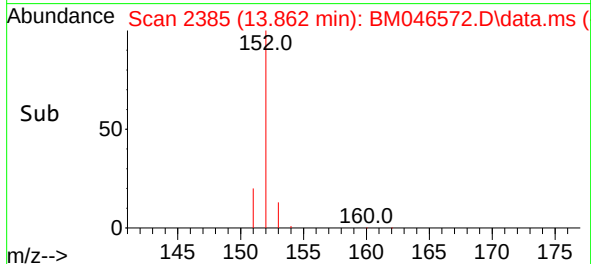
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



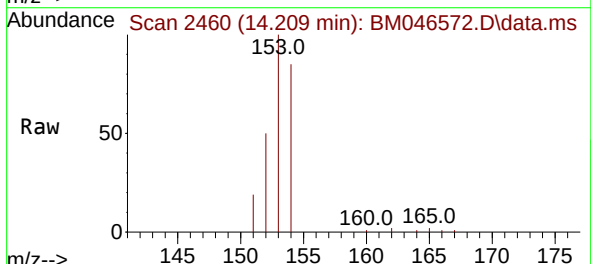
Tgt Ion:152 Resp: 8380  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.4 24.6  
153 14.2 12.4 18.6

Manual Integrations  
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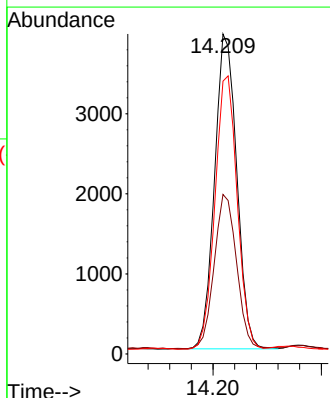
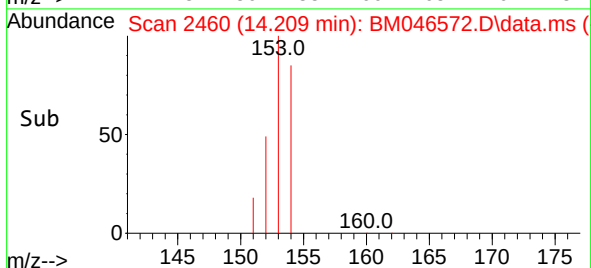
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024

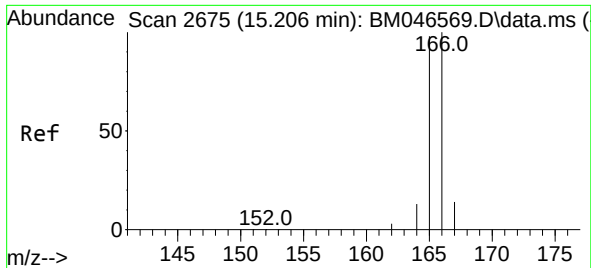


#11  
Acenaphthene  
Concen: 0.326 ng/ul  
RT: 14.209 min Scan# 2460  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23



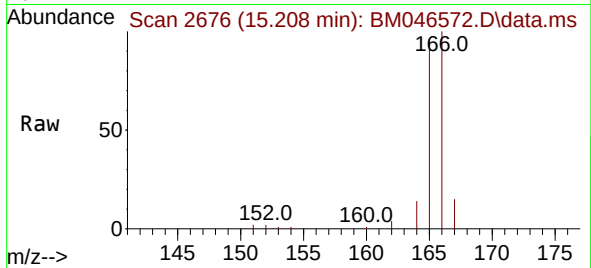
Tgt Ion:153 Resp: 5603  
Ion Ratio Lower Upper  
153 100  
152 49.8 43.0 64.6  
154 85.3 69.9 104.9





#12  
Fluorene  
Concen: 0.314 ng/ul  
RT: 15.208 min Scan# 2675  
Delta R.T. 0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

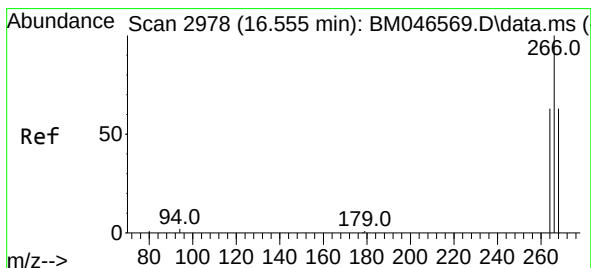
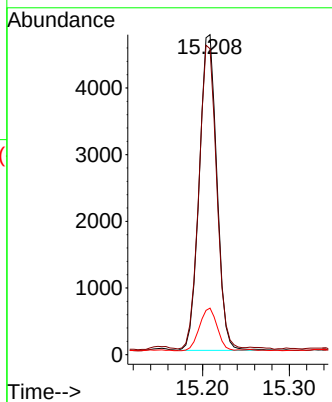
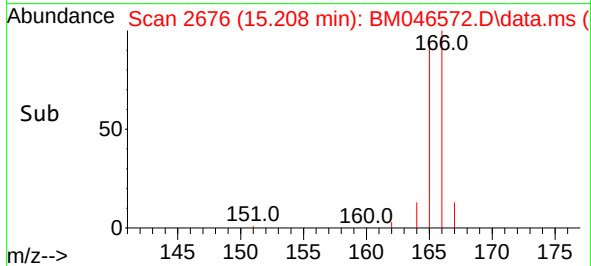
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



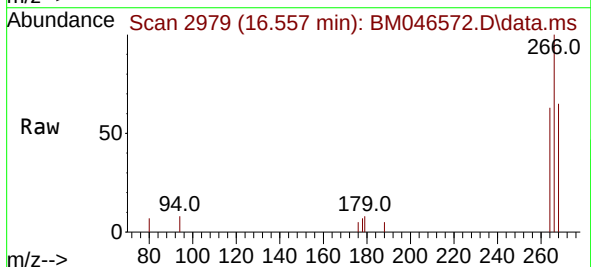
Tgt Ion:166 Resp: 666  
Ion Ratio Lower Upper  
166 100  
165 95.6 76.1 114.1  
167 14.5 12.5 18.7

Manual Integrations  
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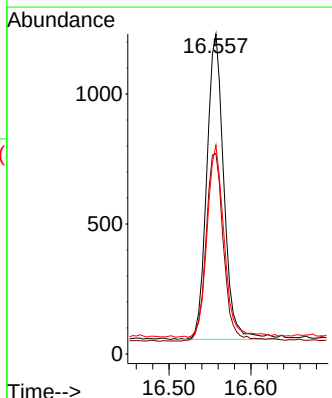
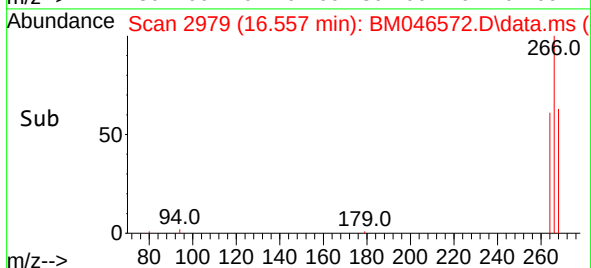
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024

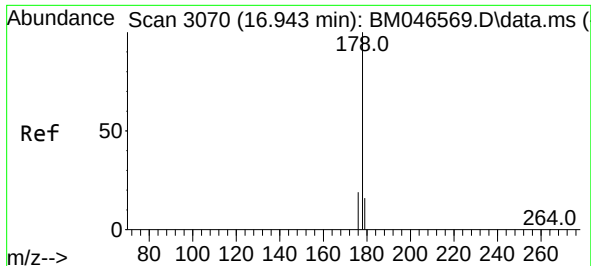


#14  
Pentachlorophenol  
Concen: 0.291 ng/ul  
RT: 16.557 min Scan# 2979  
Delta R.T. 0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23



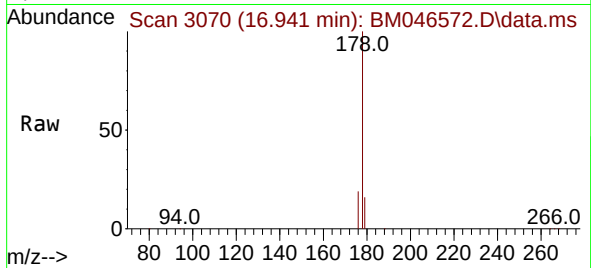
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Ion Ratio Lower Upper  
266 100  
264 63.3 50.1 75.1  
268 62.8 52.5 78.7





#15  
Phenanthrene  
Concen: 0.840 ng/ul  
RT: 16.941 min Scan# 3070  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

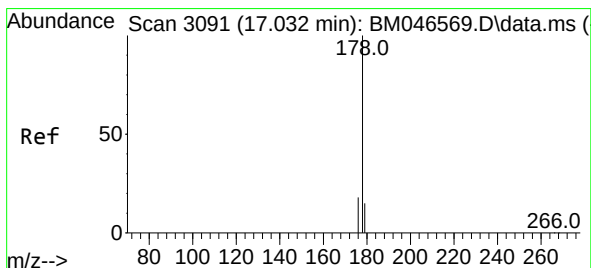
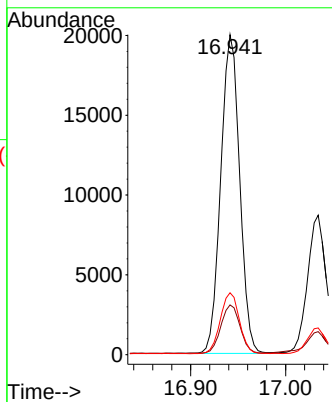
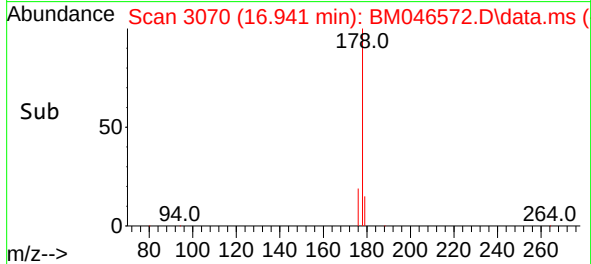
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



Tgt Ion:178 Resp: 2768  
Ion Ratio Lower Upper  
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179 15.6 13.1 19.7  
176 19.4 16.0 24.0

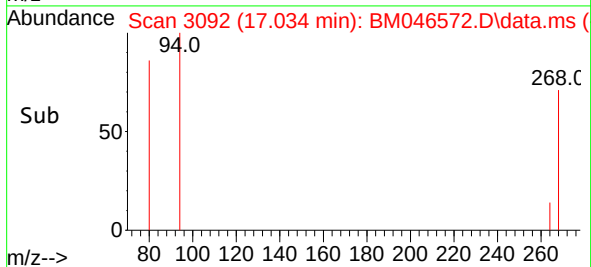
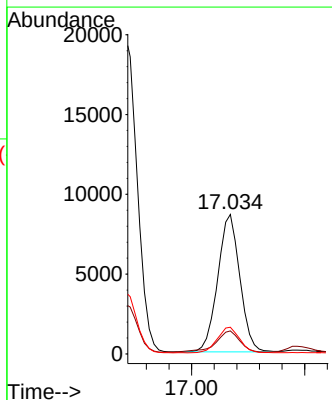
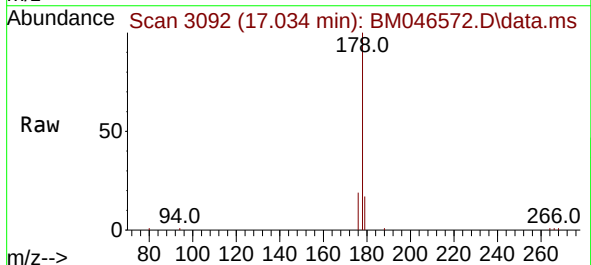
Manual Integrations  
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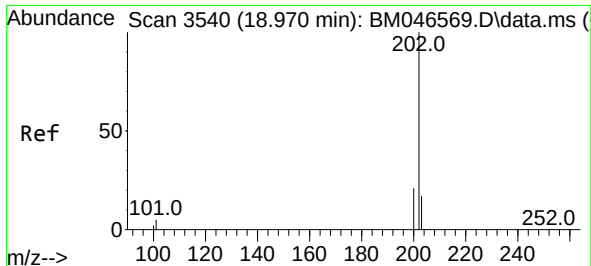
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024



#16  
Anthracene  
Concen: 0.364 ng/ul  
RT: 17.034 min Scan# 3092  
Delta R.T. 0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

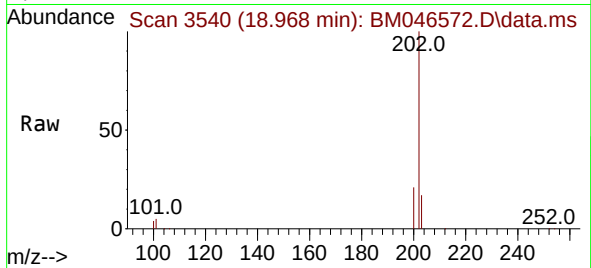
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Ion Ratio Lower Upper  
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179 16.5 13.5 20.3  
176 19.2 15.7 23.5





#19  
Fluoranthene  
Concen: 1.690 ng/u1  
RT: 18.968 min Scan# 3540  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

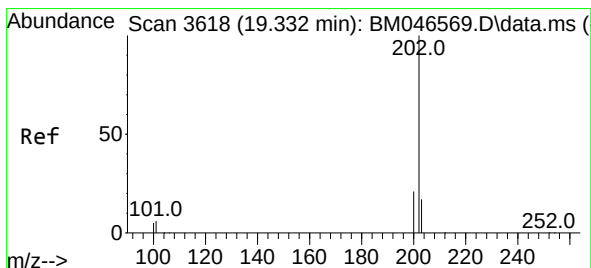
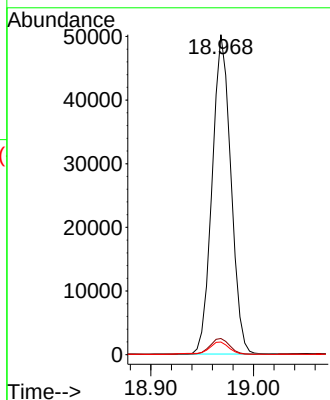
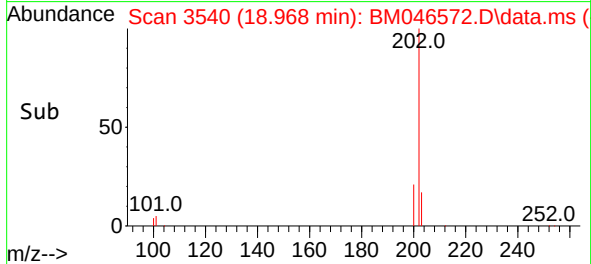
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



Tgt Ion:202 Resp: 6363  
Ion Ratio Lower Upper  
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100 3.9 3.0 4.6

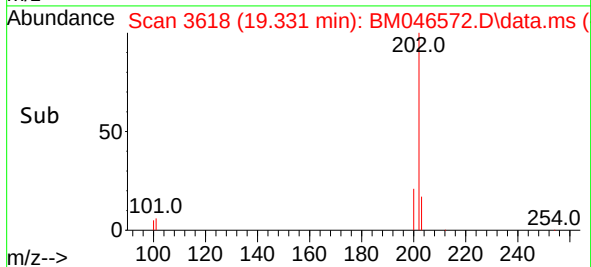
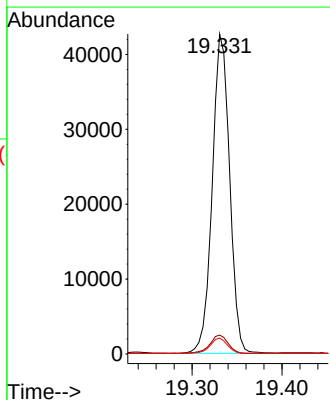
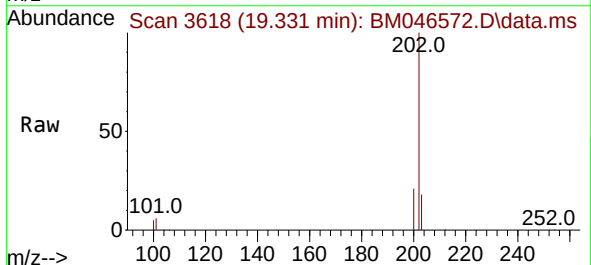
Manual Integrations  
APPROVED

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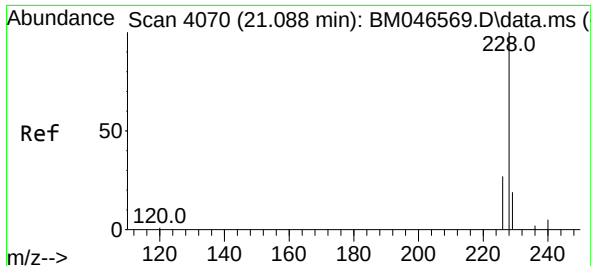


#20  
Pyrene  
Concen: 1.402 ng/u1  
RT: 19.331 min Scan# 3618  
Delta R.T. -0.002 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

Tgt Ion:202 Resp: 57139  
Ion Ratio Lower Upper  
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100 5.0 3.8 5.6

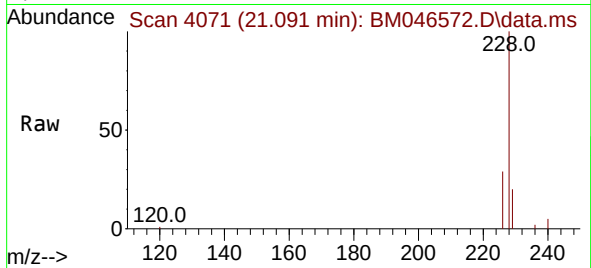






#21  
Benzo(a)anthracene  
Concen: 0.789 ng/ul  
RT: 21.091 min Scan# 4071  
Delta R.T. 0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

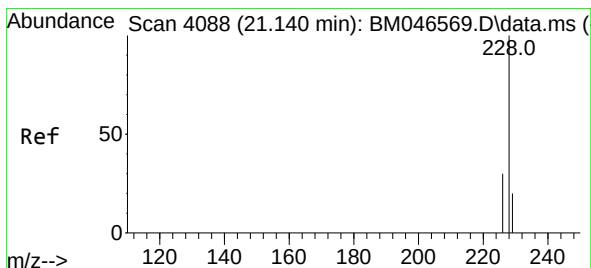
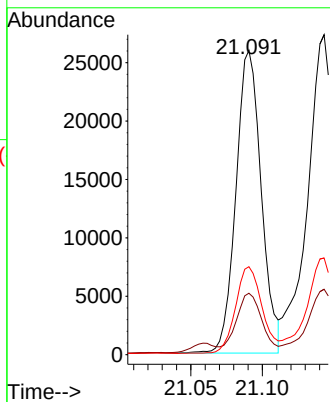
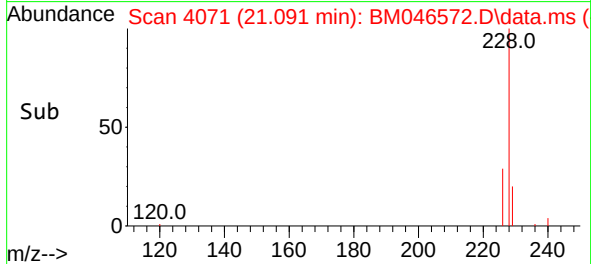
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



Tgt Ion:228 Resp: 31989  
Ion Ratio Lower Upper  
228 100  
229 20.2 16.5 24.7  
226 28.9 22.5 33.7

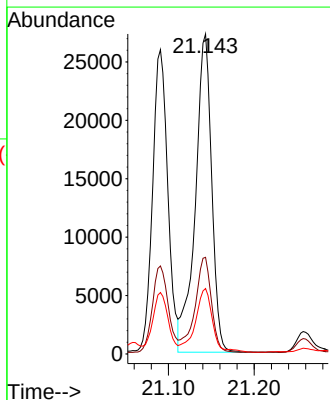
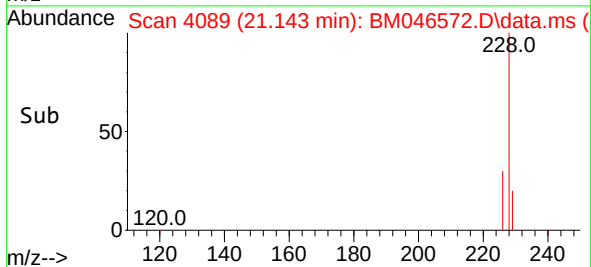
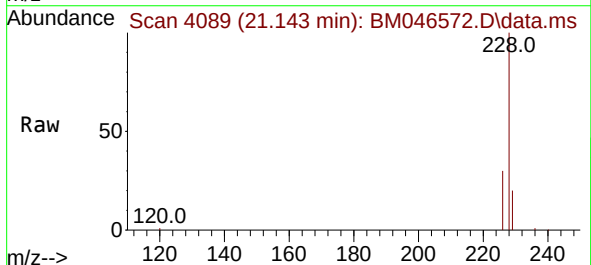
Manual Integrations  
APPROVED

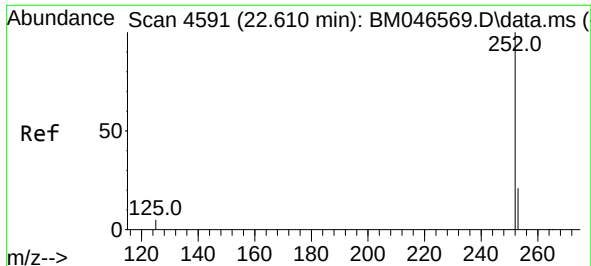
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024



#22  
Chrysene  
Concen: 0.917 ng/ul  
RT: 21.143 min Scan# 4089  
Delta R.T. 0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

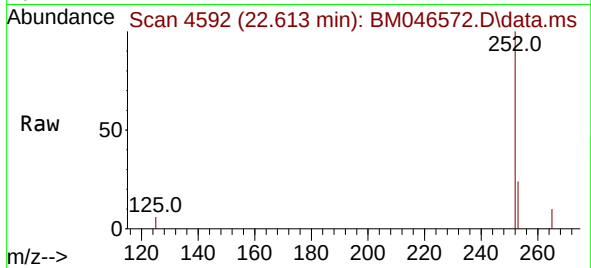
Tgt Ion:228 Resp: 35969  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.3 36.5  
229 20.5 16.4 24.6





#24  
Benzo(b)fluoranthene  
Concen: 1.106 ng/ul  
RT: 22.613 min Scan# 4591  
Delta R.T. 0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

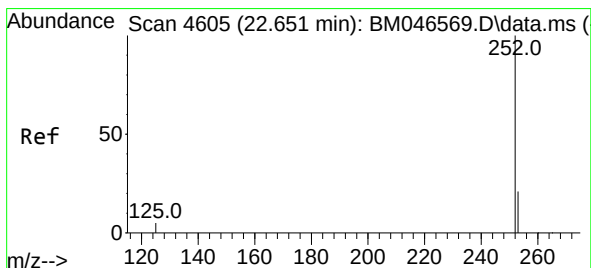
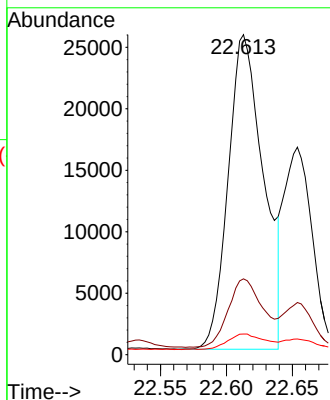
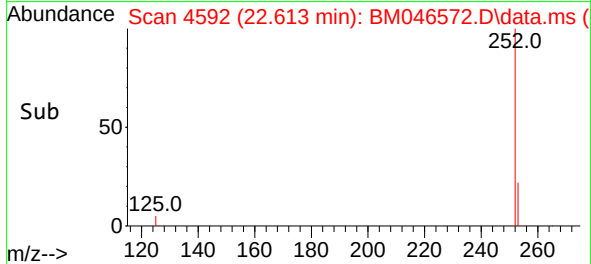
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



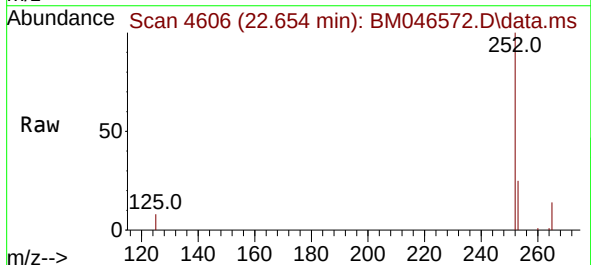
Tgt Ion:252 Resp: 47645  
Ion Ratio Lower Upper  
252 100  
253 23.7 0.0 56.2  
125 6.5 0.0 17.8

Manual Integrations  
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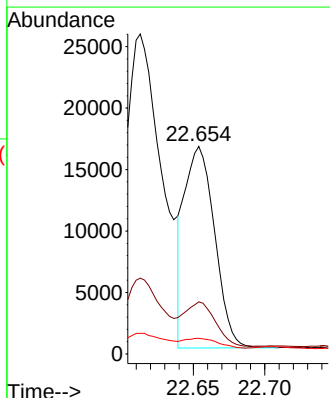
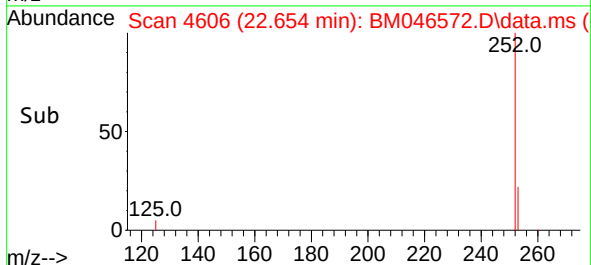
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024

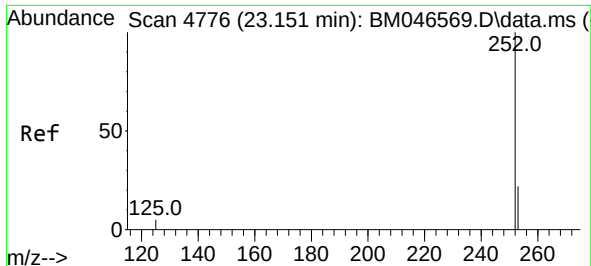


#25  
Benzo(k)fluoranthene  
Concen: 0.570 ng/ul  
RT: 22.654 min Scan# 4606  
Delta R.T. 0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23



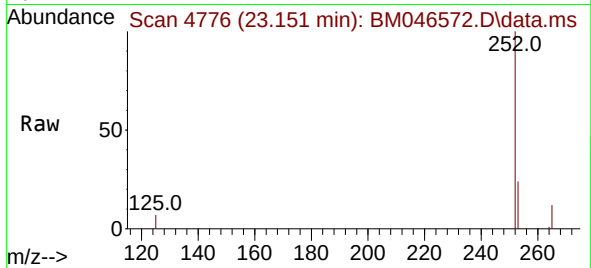
Tgt Ion:252 Resp: 24115  
Ion Ratio Lower Upper  
252 100  
253 25.2 22.4 33.6  
125 7.5 7.0 10.4





#26  
Benzo(a)pyrene  
Concen: 0.958 ng/ul m  
RT: 23.151 min Scan# 4776  
Delta R.T. -0.000 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

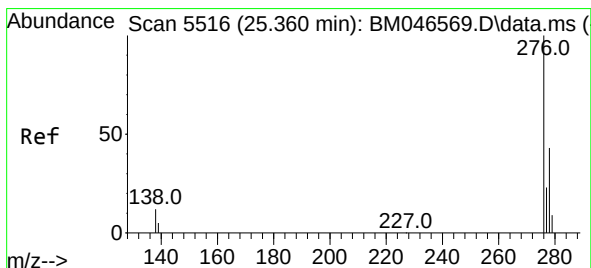
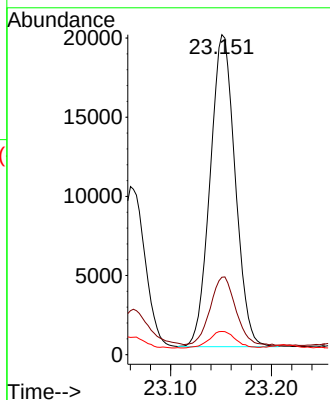
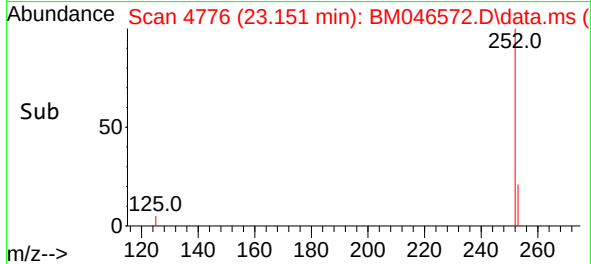
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



Tgt Ion:252 Resp: 3393  
Ion Ratio Lower Upper  
252 100  
253 24.2 24.0 36.0  
125 7.3 8.2 12.2

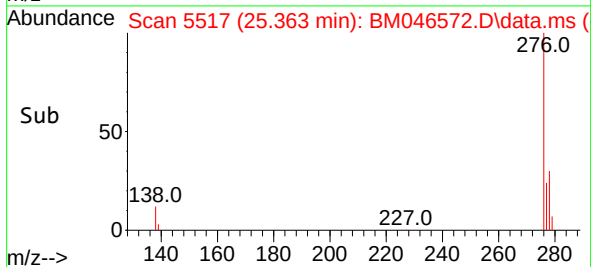
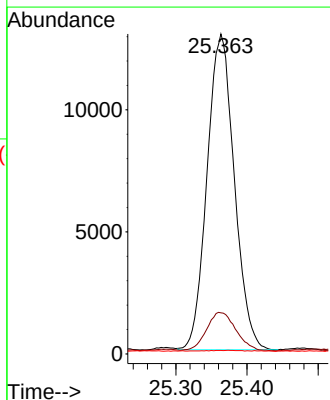
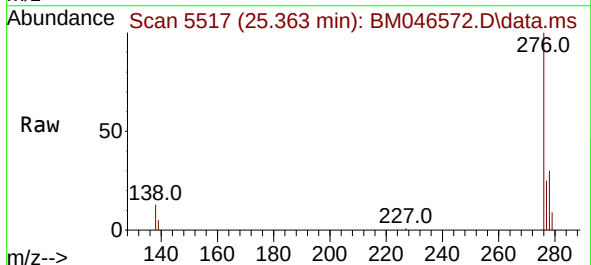
Manual Integrations  
APPROVED

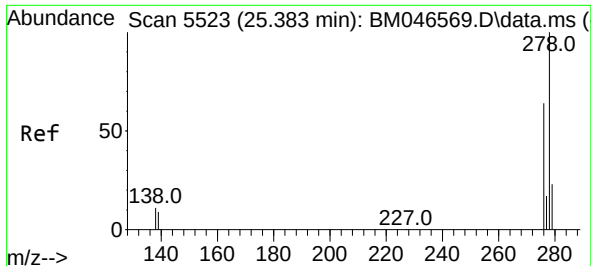
Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.637 ng/ul  
RT: 25.363 min Scan# 5517  
Delta R.T. 0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

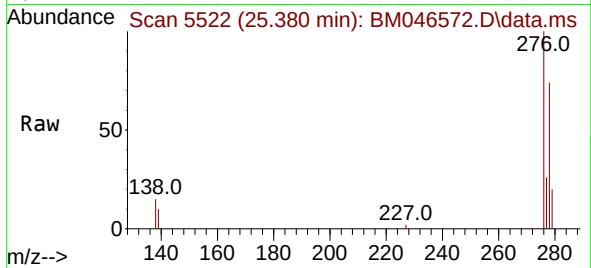
Tgt Ion:276 Resp: 34379  
Ion Ratio Lower Upper  
276 100  
138 13.2 0.0 0.0#  
227 0.2 0.2 0.2





#28  
Dibenzo(a,h)anthracene  
Concen: 0.381 ng/ul  
RT: 25.380 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23

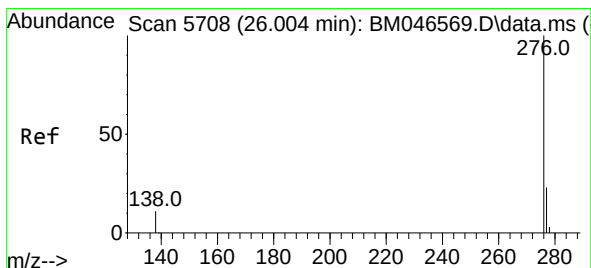
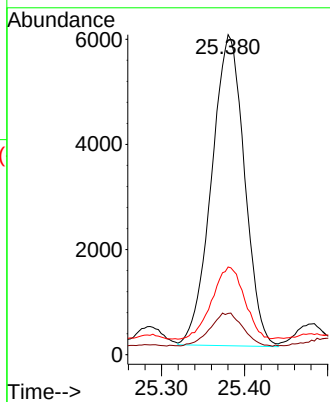
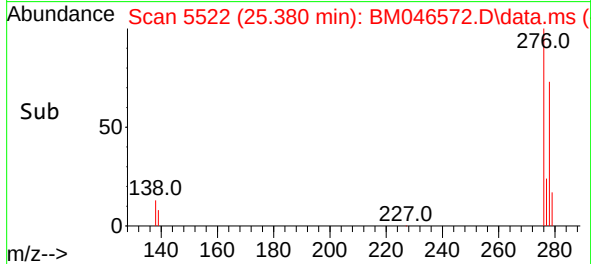
Instrument :  
BNA\_M  
ClientSampleId :  
A4CC5MS



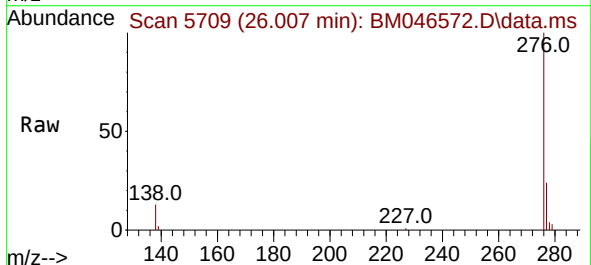
Tgt Ion:278 Resp: 1627  
Ion Ratio Lower Upper  
278 100  
139 12.9 9.1 13.7  
279 27.4 23.2 34.8

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2024  
Supervised By :mohammad ahmed 07/16/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.730 ng/ul  
RT: 26.007 min Scan# 5709  
Delta R.T. 0.003 min  
Lab File: BM046572.D  
Acq: 13 Jul 2024 08:23



Tgt Ion:276 Resp: 31397  
Ion Ratio Lower Upper  
276 100  
138 13.1 10.2 15.4  
277 24.2 20.9 31.3

