

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
 Data File : BM046409.D  
 Acq On : 06 Jul 2024 08:29  
 Operator : MA/JU  
 Sample : P3010-07  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CW1

Manual Integrations  
 APPROVED

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

Quant Time: Jul 08 00:47:06 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  | 10052    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.298 | 136  | 28308    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.178 | 164  | 16154    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.934 | 188  | 31641    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.140 | 240  | 17147    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.297 | 264  | 17346    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.130  | 96   | 24342    | 2.344 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.899 | 152  | 9318     | 0.223 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.969 | 212  | 15396    | 0.256 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.348 | 128  | 4711     | 0.063 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 11.976 | 142  | 1861     | 0.037 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.201 | 142  | 1363     | 0.026 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.896 | 152  | 10522    | 0.128 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.243 | 153  | 3852     | 0.072 | ng/ul  | 97       |
| 12) Fluorene                | 15.238 | 166  | 4780     | 0.076 | ng/ul  | 95       |
| 15) Phenanthrene            | 16.972 | 178  | 97107    | 1.025 | ng/ul  | 99       |
| 16) Anthracene              | 17.065 | 178  | 18659    | 0.203 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.002 | 202  | 188809   | 2.178 | ng/ul  | 98       |
| 20) Pyrene                  | 19.364 | 202  | 153534   | 1.722 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.122 | 228  | 68486    | 0.894 | ng/ul  | 94       |
| 22) Chrysene                | 21.175 | 228  | 74006    | 0.972 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.659 | 252  | 97521m   | 1.322 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.697 | 252  | 32806m   | 0.441 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.206 | 252  | 61560    | 1.056 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.443 | 276  | 49996    | 0.635 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 25.460 | 278  | 11757    | 0.193 | ng/ul# | 69       |
| 29) Benzo(g,h,i)perylene    | 26.087 | 276  | 50275    | 0.801 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

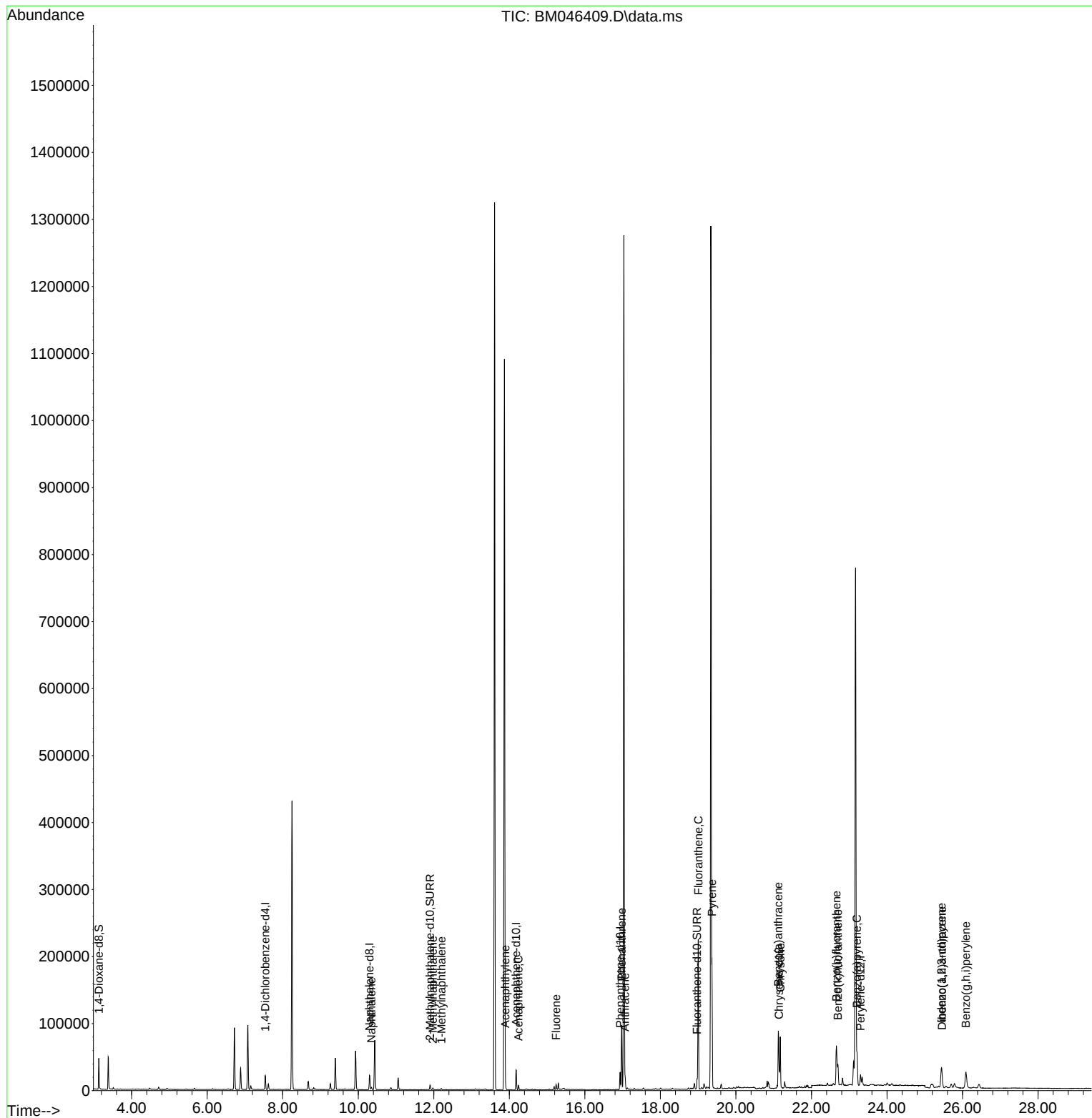
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046409.D  
Acq On : 06 Jul 2024 08:29  
Operator : MA/JU  
Sample : P3010-07  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

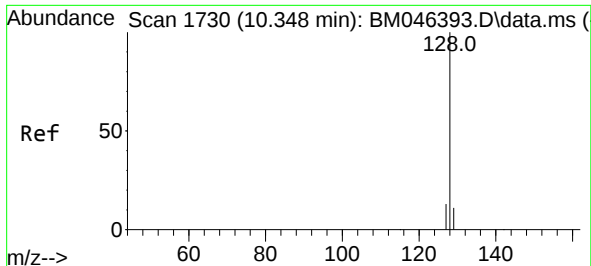
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1

Manual Integrations  
APPROVED

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

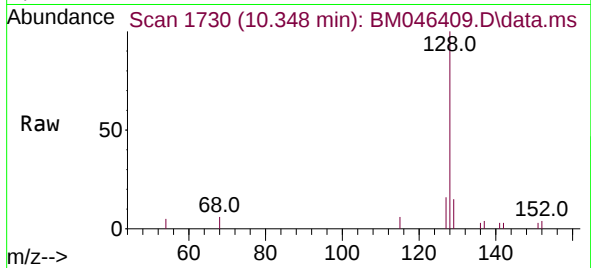
Quant Time: Jul 08 00:47:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.063 ng/ul  
RT: 10.348 min Scan# 1730  
Delta R.T. -0.004 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

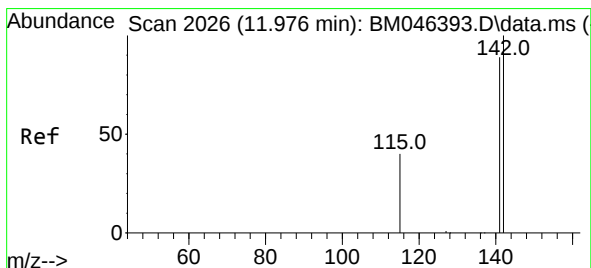
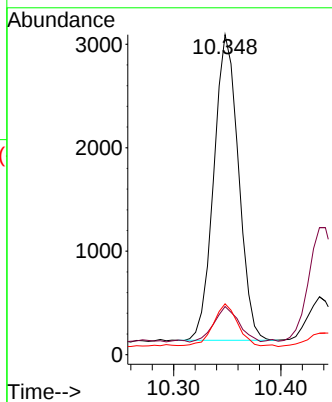
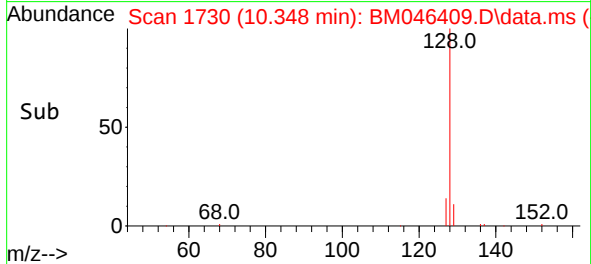
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



Tgt Ion:128 Resp: 4711  
Ion Ratio Lower Upper  
128 100  
129 15.1 9.4 14.0  
127 15.9 10.8 16.2

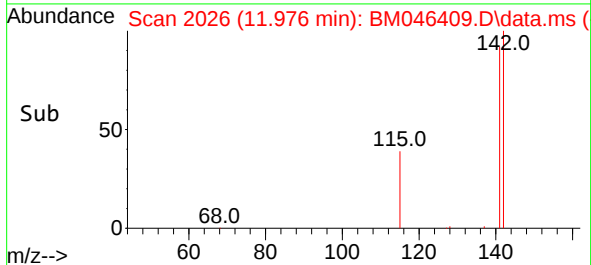
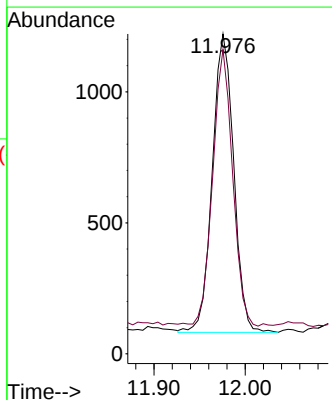
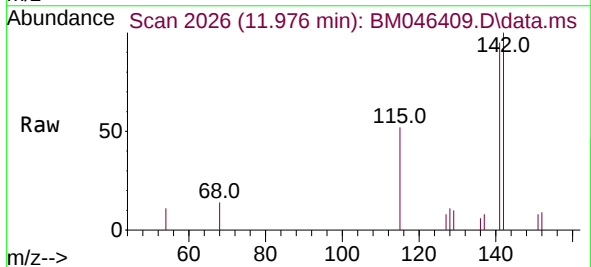
Manual Integrations  
APPROVED

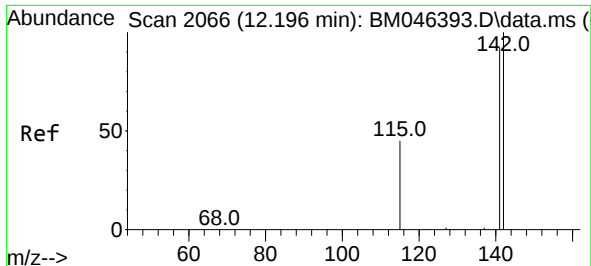
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#7  
2-Methylnaphthalene  
Concen: 0.037 ng/ul  
RT: 11.976 min Scan# 2026  
Delta R.T. -0.004 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

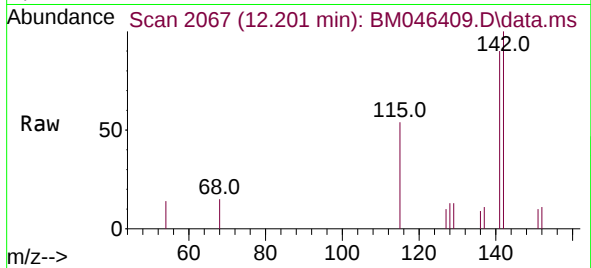
Tgt Ion:142 Resp: 1861  
Ion Ratio Lower Upper  
142 100  
141 86.4 69.8 104.6





#8  
1-Methylnaphthalene  
Concen: 0.026 ng/ul  
RT: 12.201 min Scan# 2067  
Delta R.T. 0.001 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

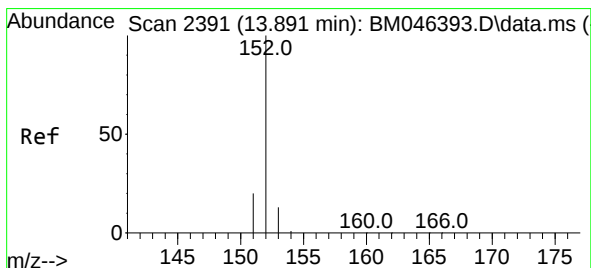
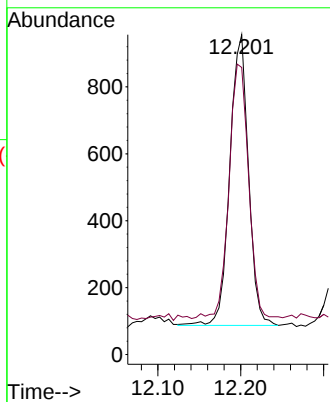
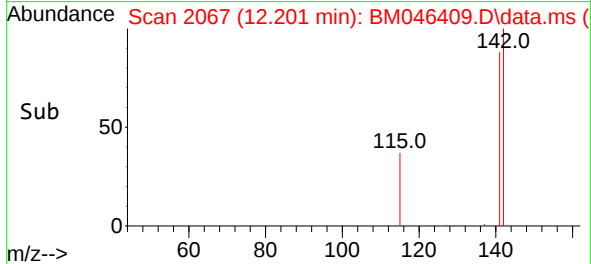
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



Tgt Ion:142 Resp: 136  
Ion Ratio Lower Upper  
142 100  
141 91.6 72.4 108.6

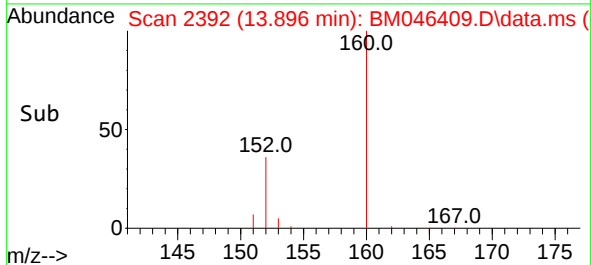
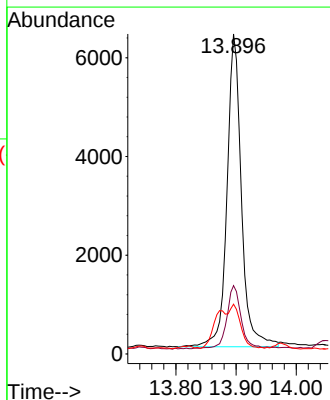
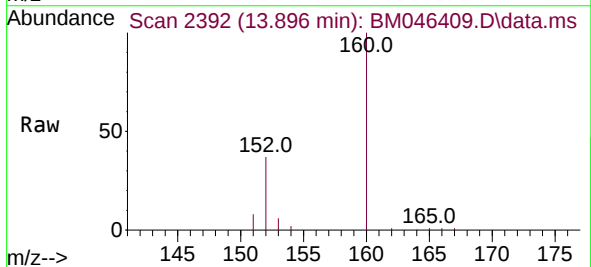
Manual Integrations  
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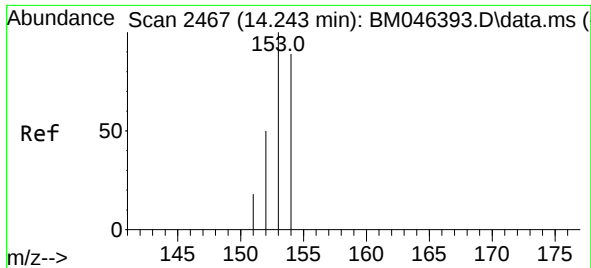
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#10  
Acenaphthylene  
Concen: 0.128 ng/ul  
RT: 13.896 min Scan# 2392  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

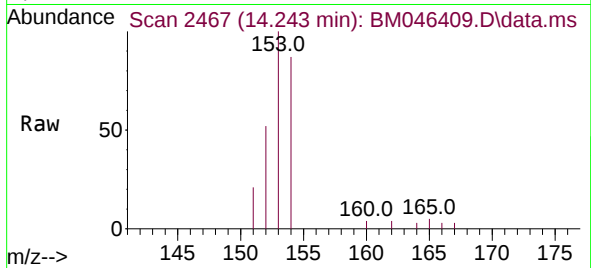
Tgt Ion:152 Resp: 10522  
Ion Ratio Lower Upper  
152 100  
151 21.4 15.9 23.9  
153 15.6 11.0 16.6





#11  
Acenaphthene  
Concen: 0.072 ng/u1  
RT: 14.243 min Scan# 2467  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

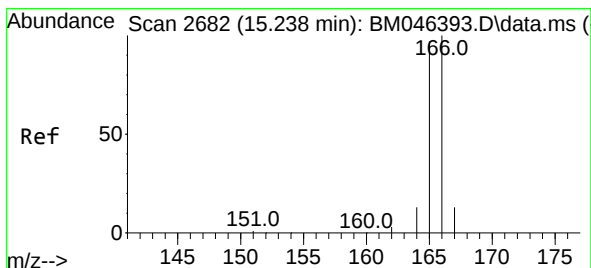
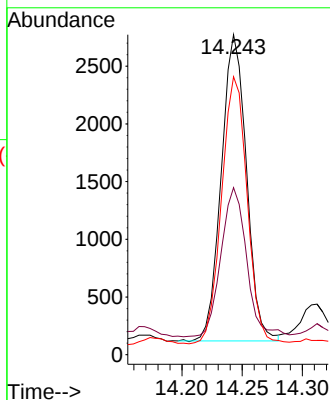
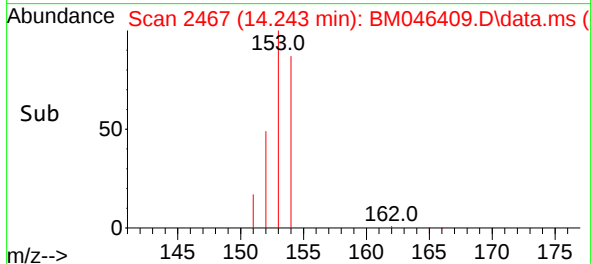
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



Tgt Ion:153 Resp: 3852  
Ion Ratio Lower Upper  
153 100  
152 52.2 40.4 60.6  
154 86.8 72.1 108.1

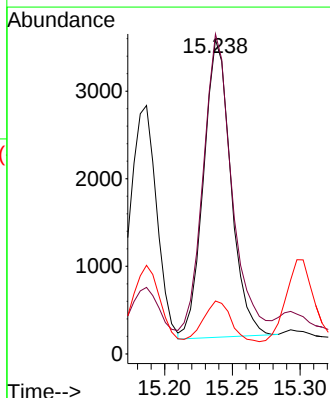
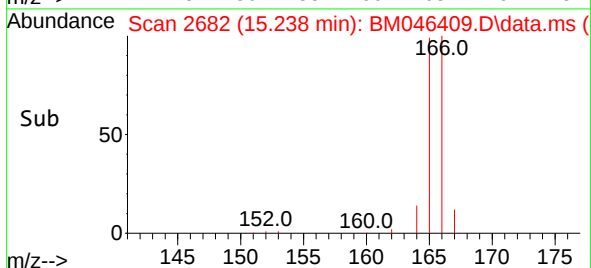
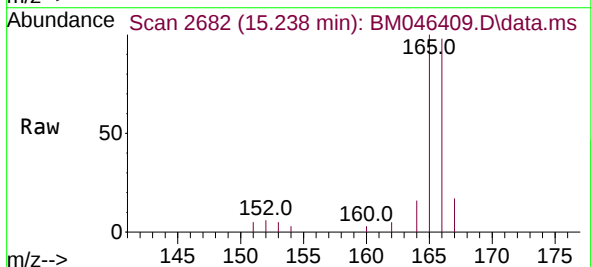
Manual Integrations  
APPROVED

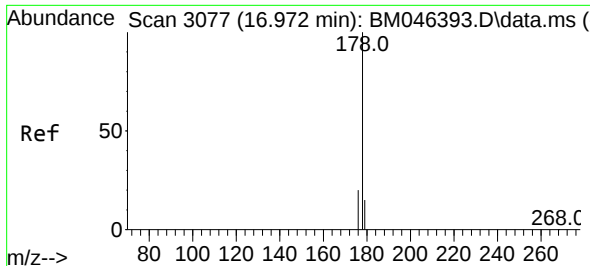
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#12  
Fluorene  
Concen: 0.076 ng/u1  
RT: 15.238 min Scan# 2682  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

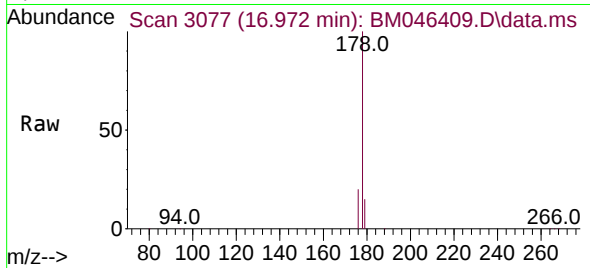
Tgt Ion:166 Resp: 4780  
Ion Ratio Lower Upper  
166 100  
165 101.8 78.0 117.0  
167 16.8 11.4 17.0





#15  
Phenanthrene  
Concen: 1.025 ng/u1  
RT: 16.972 min Scan# 3077  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

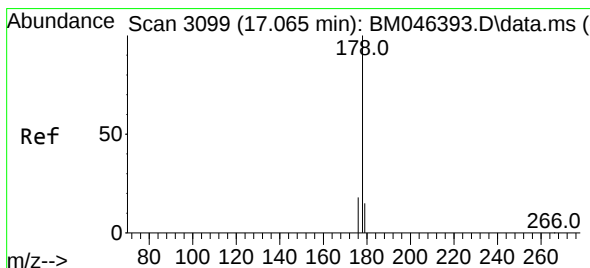
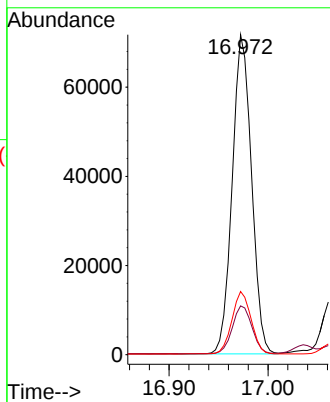
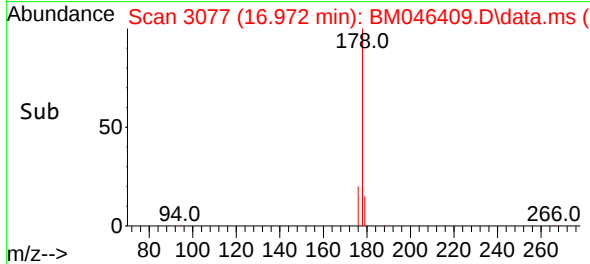
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



Tgt Ion:178 Resp: 9710  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.7 19.1  
176 19.8 16.0 24.0

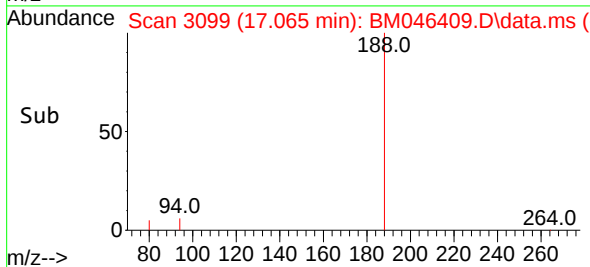
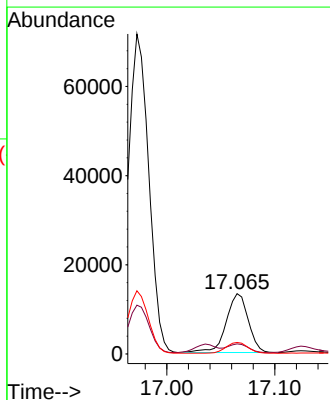
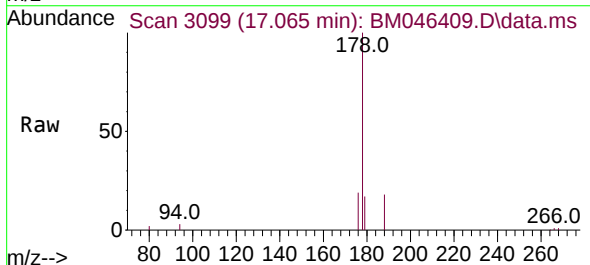
Manual Integrations  
APPROVED

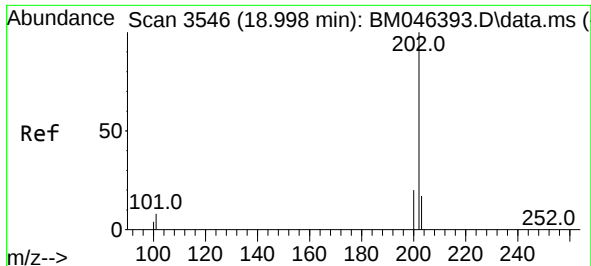
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#16  
Anthracene  
Concen: 0.203 ng/u1  
RT: 17.065 min Scan# 3099  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

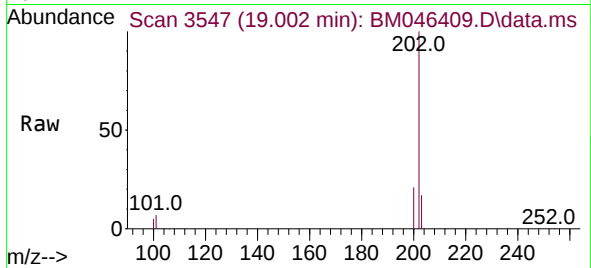
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Ion Ratio Lower Upper  
178 100  
179 16.8 12.6 18.8  
176 19.1 14.9 22.3





#19  
Fluoranthene  
Concen: 2.178 ng/ul  
RT: 19.002 min Scan# 3547  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

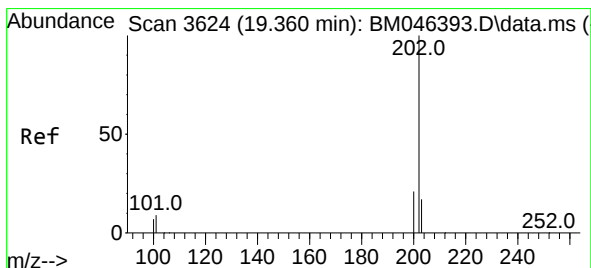
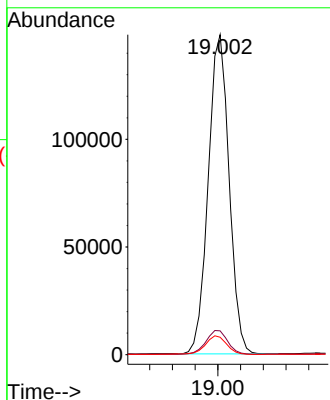
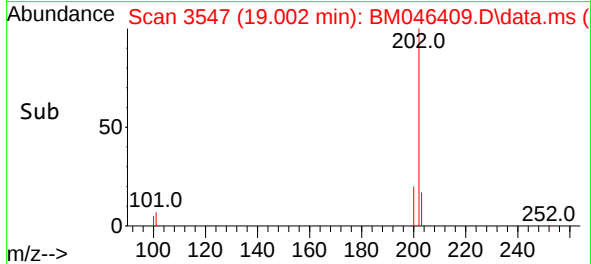
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



Tgt Ion:202 Resp: 188809  
Ion Ratio Lower Upper  
202 100  
101 7.5 6.3 9.5  
100 5.4 5.0 7.6

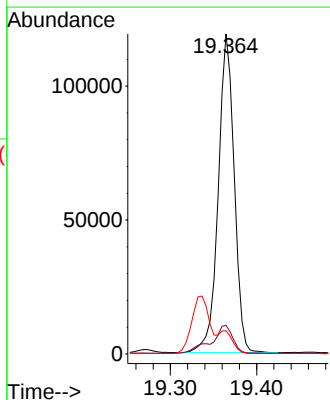
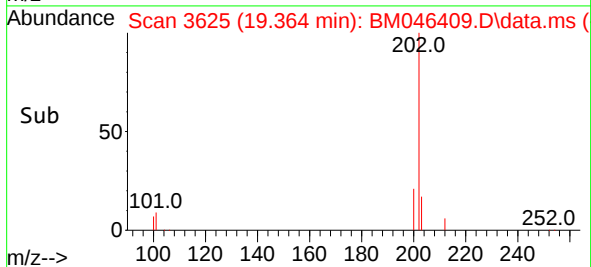
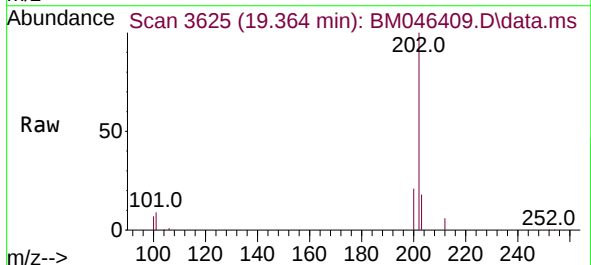
Manual Integrations  
APPROVED

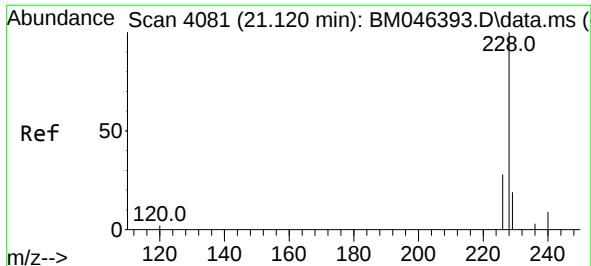
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#20  
Pyrene  
Concen: 1.722 ng/ul  
RT: 19.364 min Scan# 3625  
Delta R.T. 0.001 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

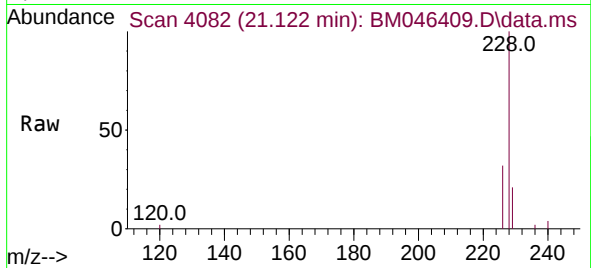
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Ion Ratio Lower Upper  
202 100  
101 9.0 8.2 12.4  
100 7.3 6.9 10.3





#21  
Benzo(a)anthracene  
Concen: 0.894 ng/u1  
RT: 21.122 min Scan# 4081  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

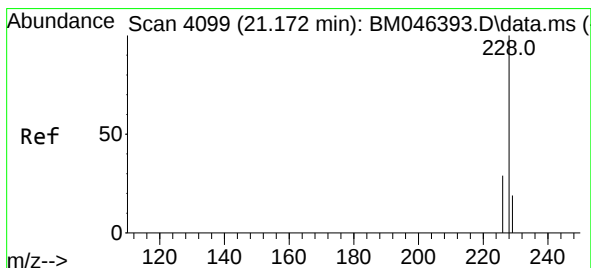
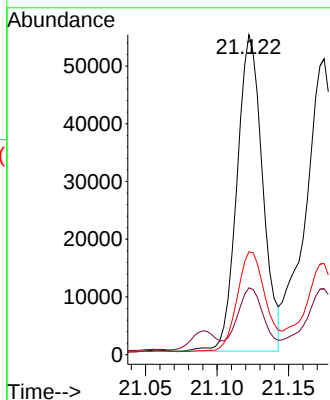
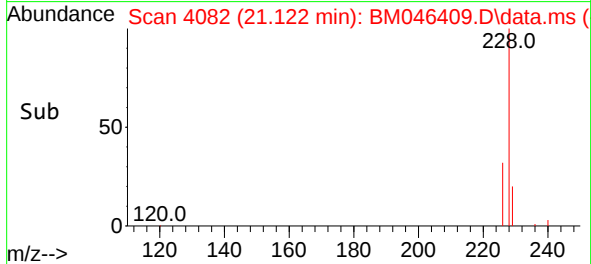
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



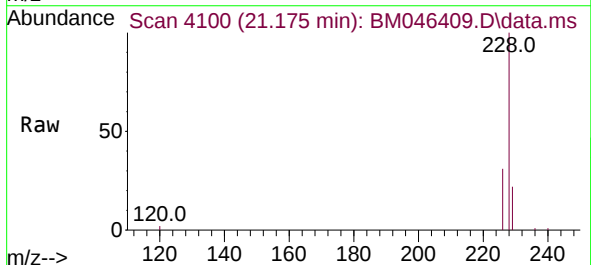
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229 20.9 15.8 23.6  
226 32.2 22.0 33.0

Manual Integrations  
APPROVED

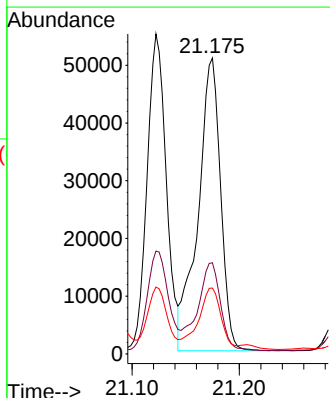
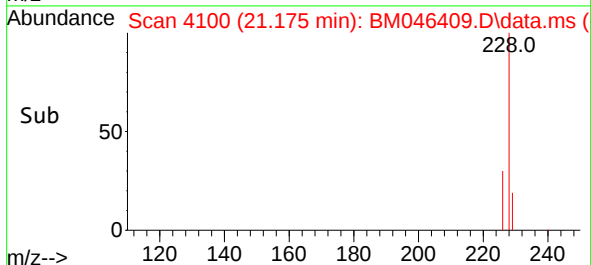
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

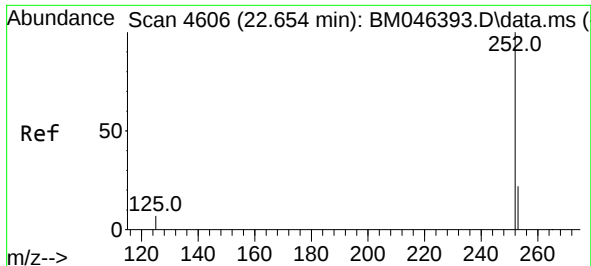


#22  
Chrysene  
Concen: 0.972 ng/u1  
RT: 21.175 min Scan# 4100  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29



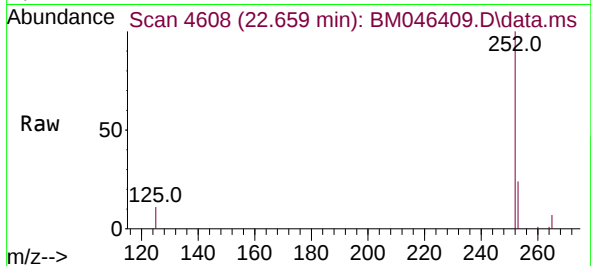
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Ion Ratio Lower Upper  
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226 30.8 24.1 36.1  
229 22.3 15.8 23.6





#24  
Benzo(b)fluoranthene  
Concen: 1.322 ng/ul m  
RT: 22.659 min Scan# 4608  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

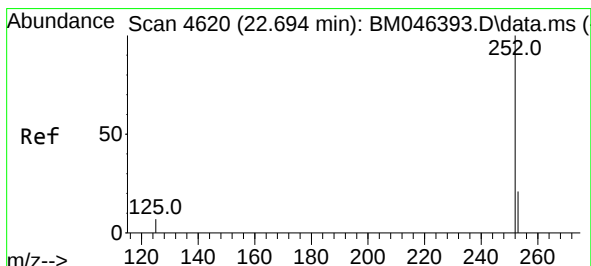
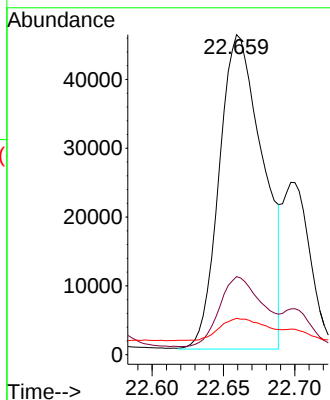
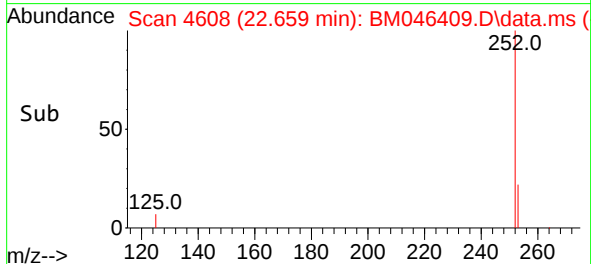
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



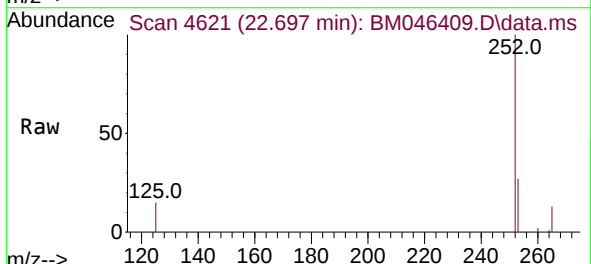
Tgt Ion:252 Resp: 9752  
Ion Ratio Lower Upper  
252 100  
253 24.4 0.0 47.0  
125 11.4 0.0 18.4

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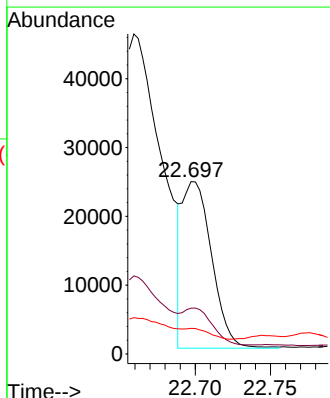
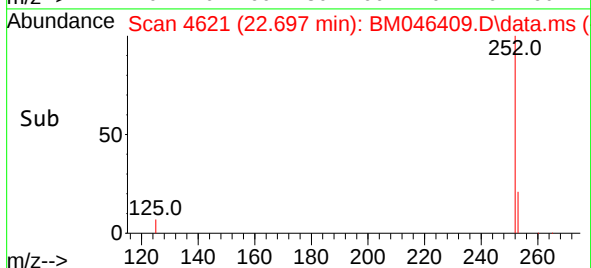
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

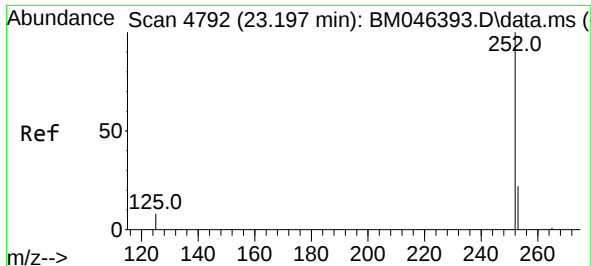


#25  
Benzo(k)fluoranthene  
Concen: 0.441 ng/ul m  
RT: 22.697 min Scan# 4621  
Delta R.T. -0.009 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29



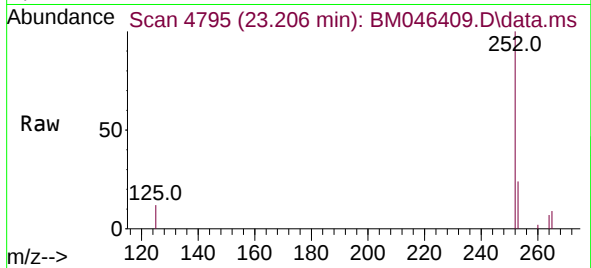
Tgt Ion:252 Resp: 32806  
Ion Ratio Lower Upper  
252 100  
253 26.6 18.4 27.6  
125 14.9 7.5 11.3#





#26  
Benzo(a)pyrene  
Concen: 1.056 ng/ul  
RT: 23.206 min Scan# 4795  
Delta R.T. -0.003 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

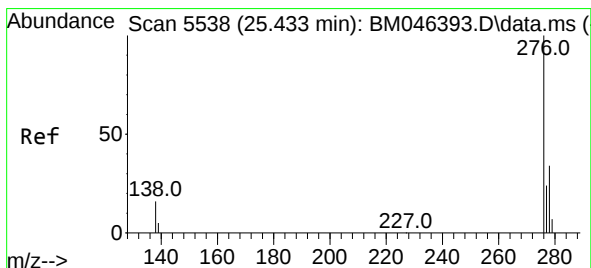
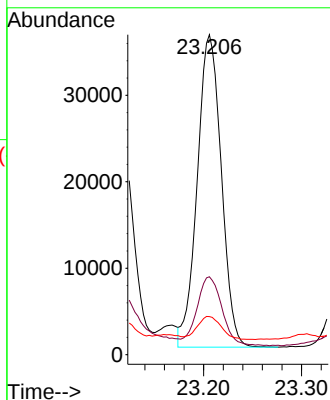
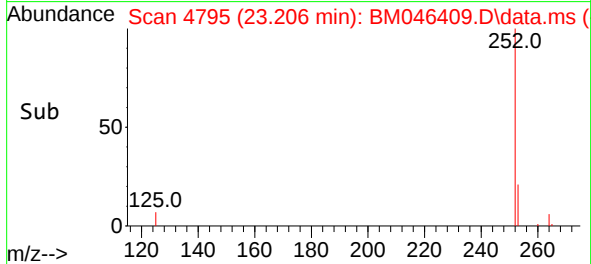
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



Tgt Ion:252 Resp: 61560  
Ion Ratio Lower Upper  
252 100  
253 24.3 18.9 28.3  
125 11.9 8.1 12.1

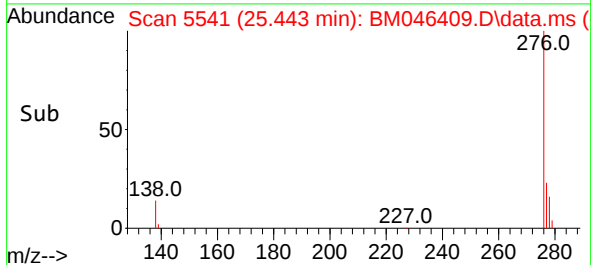
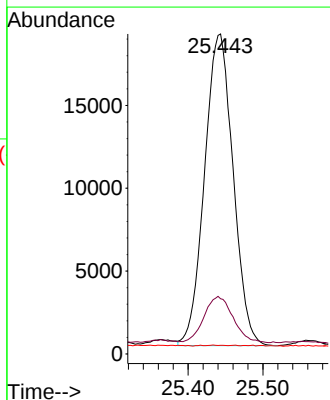
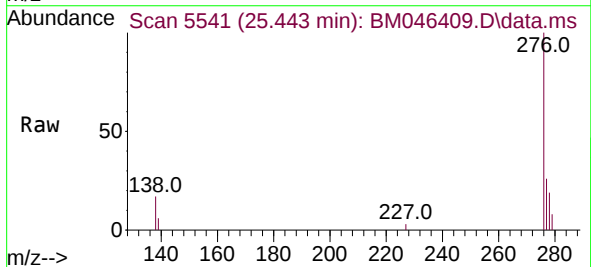
Manual Integrations  
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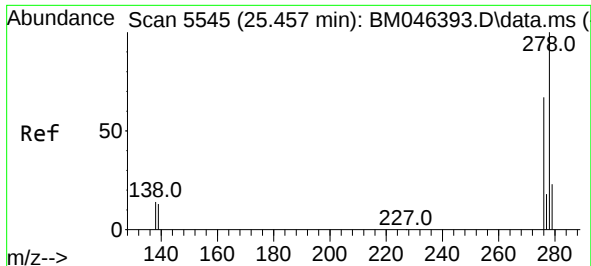
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.635 ng/ul  
RT: 25.443 min Scan# 5541  
Delta R.T. -0.004 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

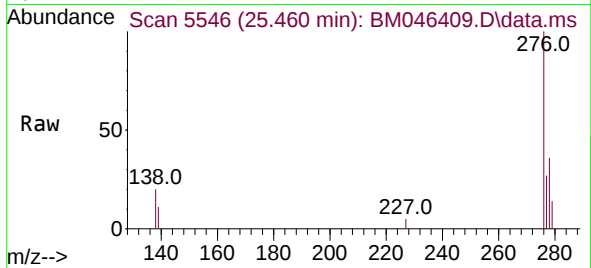
Tgt Ion:276 Resp: 49996  
Ion Ratio Lower Upper  
276 100  
138 15.0 15.7 23.5#  
227 0.1 0.1 0.1#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.193 ng/ul  
RT: 25.460 min Scan# 51  
Delta R.T. -0.014 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

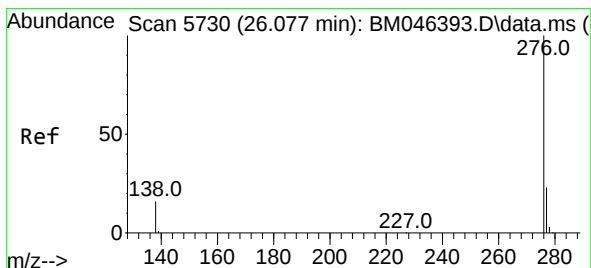
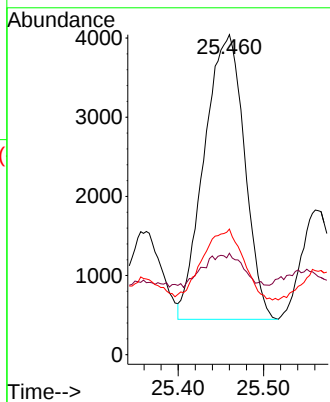
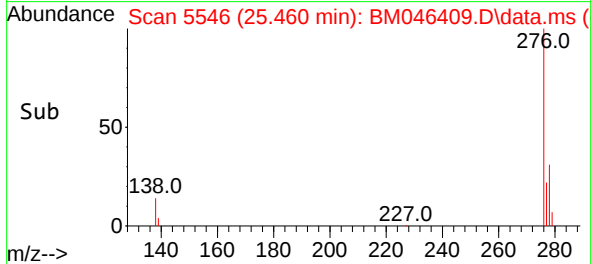
Instrument :  
BNA\_M  
ClientSampleId :  
A4CW1



Tgt Ion:278 Resp: 1175  
Ion Ratio Lower Upper  
278 100  
139 31.7 12.6 18.8  
279 39.3 20.7 31.1

Manual Integrations  
APPROVED

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



#29  
Benzo(g,h,i)perylene  
Concen: 0.801 ng/ul  
RT: 26.087 min Scan# 5733  
Delta R.T. -0.004 min  
Lab File: BM046409.D  
Acq: 06 Jul 2024 08:29

Tgt Ion:276 Resp: 50275  
Ion Ratio Lower Upper  
276 100  
138 18.5 15.4 23.0  
277 26.1 19.7 29.5

