

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
 Data File : BM046418.D  
 Acq On : 06 Jul 2024 14:34  
 Operator : MA/JU  
 Sample : P2982-19  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BC1

Manual Integrations  
 APPROVED

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

Quant Time: Jul 08 00:48:48 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   | 7.535  | 152  | 10910    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.297 | 136  | 32095    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.182 | 164  | 19013    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.929 | 188  | 35974m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.140 | 240  | 15446    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.297 | 264  | 15087    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.130  | 96   | 26341    | 2.337 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.903 | 152  | 11587    | 0.244 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.968 | 212  | 15892    | 0.294 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.347 | 128  | 2963     | 0.035 | ng/ul# | 88       |
| 7) 2-Methylnaphthalene      | 11.975 | 142  | 1174     | 0.020 | ng/ul  | 96       |
| 10) Acenaphthylene          | 13.895 | 152  | 6642     | 0.069 | ng/ul# | 93       |
| 11) Acenaphthene            | 14.242 | 153  | 4742     | 0.075 | ng/ul  | 98       |
| 12) Fluorene                | 15.236 | 166  | 5347     | 0.072 | ng/ul  | 96       |
| 15) Phenanthrene            | 16.971 | 178  | 75192    | 0.698 | ng/ul  | 99       |
| 16) Anthracene              | 17.064 | 178  | 16471    | 0.158 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.001 | 202  | 118477   | 1.517 | ng/ul  | 97       |
| 20) Pyrene                  | 19.363 | 202  | 91497    | 1.139 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.126 | 228  | 41376    | 0.600 | ng/ul  | 93       |
| 22) Chrysene                | 21.175 | 228  | 40149    | 0.585 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.663 | 252  | 50262m   | 0.784 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.701 | 252  | 18826m   | 0.291 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.209 | 252  | 32254    | 0.636 | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.444 | 276  | 26051    | 0.380 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 25.457 | 278  | 6196     | 0.117 | ng/ul# | 56       |
| 29) Benzo(g,h,i)perylene    | 26.088 | 276  | 25603    | 0.469 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

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

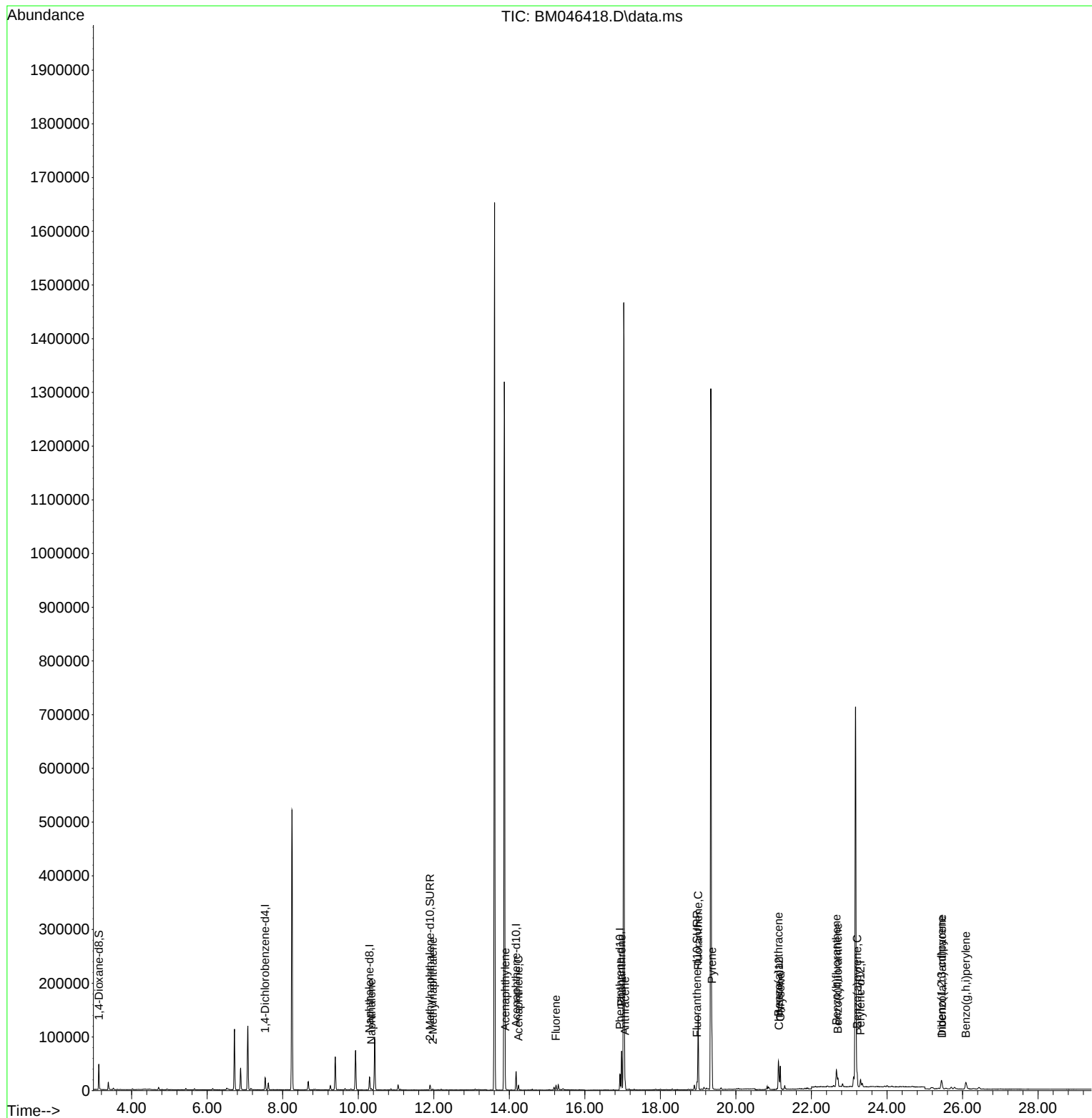
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046418.D  
Acq On : 06 Jul 2024 14:34  
Operator : MA/JU  
Sample : P2982-19  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

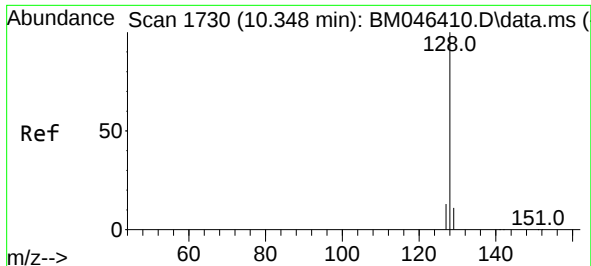
Instrument :  
BNA\_M  
ClientSampleId :  
A4BC1

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

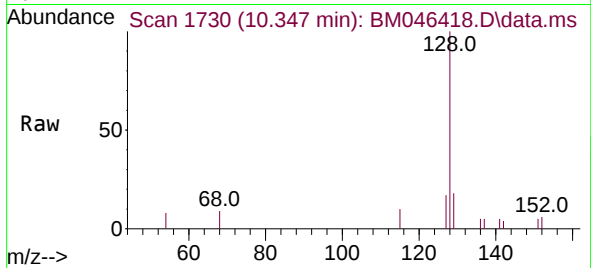
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.035 ng/ul  
RT: 10.347 min Scan# 1730  
Delta R.T. -0.005 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

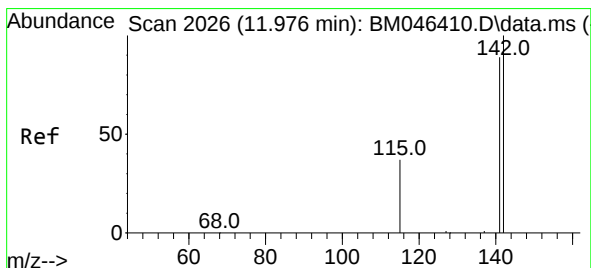
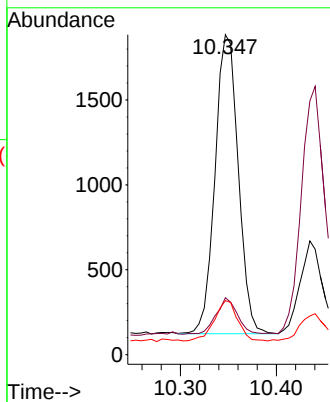
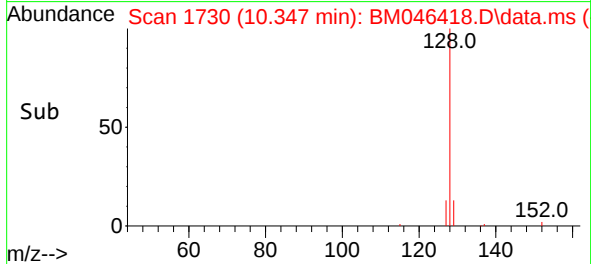
Instrument :  
BNA\_M  
ClientSampleId :  
A4BC1



Tgt Ion:128 Resp: 296  
Ion Ratio Lower Upper  
128 100  
129 17.8 9.4 14.0  
127 16.9 10.8 16.2

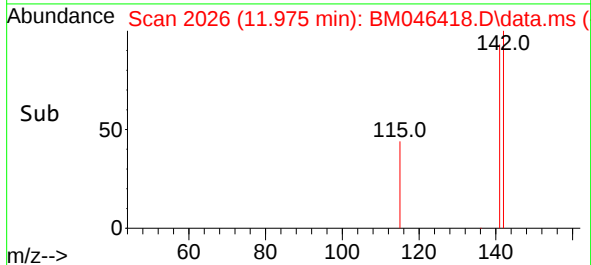
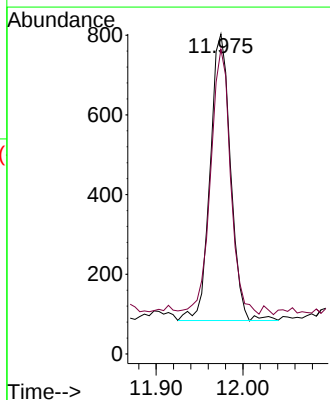
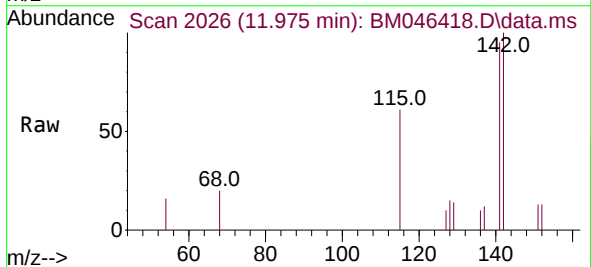
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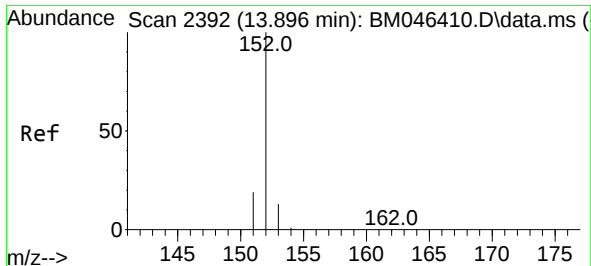
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#7  
2-Methylnaphthalene  
Concen: 0.020 ng/ul  
RT: 11.975 min Scan# 2026  
Delta R.T. -0.005 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

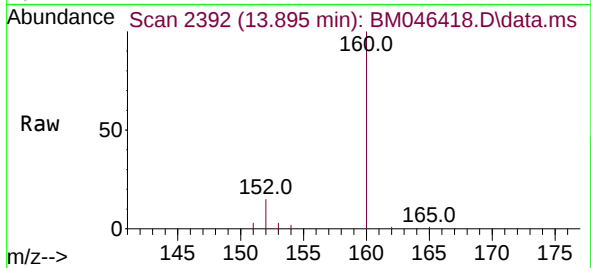
Tgt Ion:142 Resp: 1174  
Ion Ratio Lower Upper  
142 100  
141 90.8 69.8 104.6





#10  
Acenaphthylene  
Concen: 0.069 ng/ul  
RT: 13.895 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

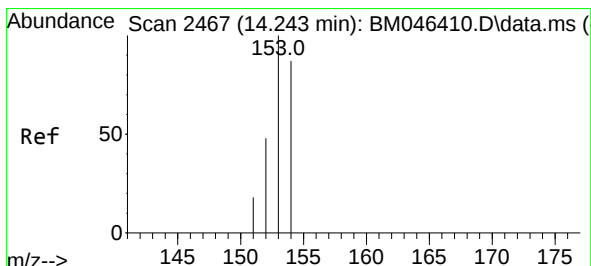
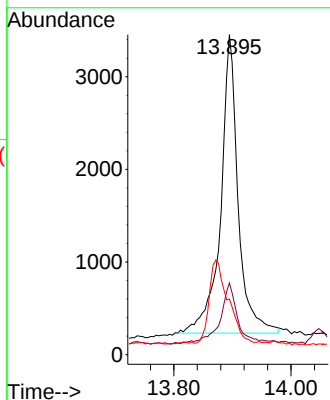
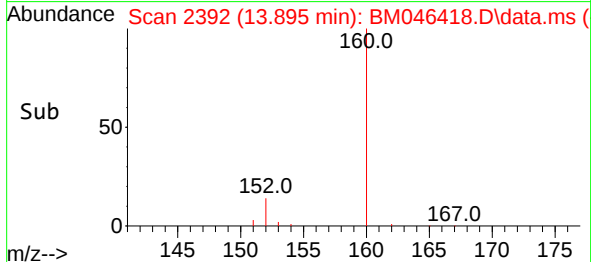
Instrument :  
BNA\_M  
ClientSampleId :  
A4BC1



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Ion Ratio Lower Upper  
152 100  
151 22.4 15.9 23.9  
153 17.3 11.0 16.6

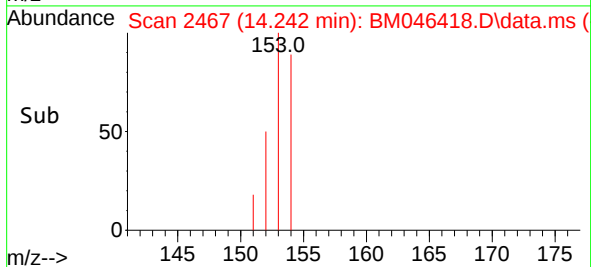
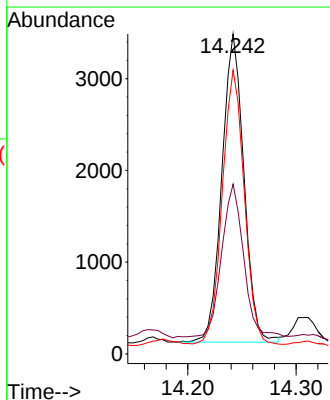
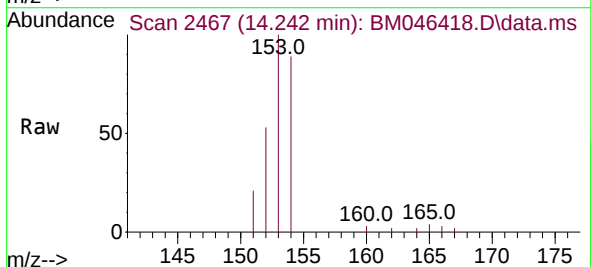
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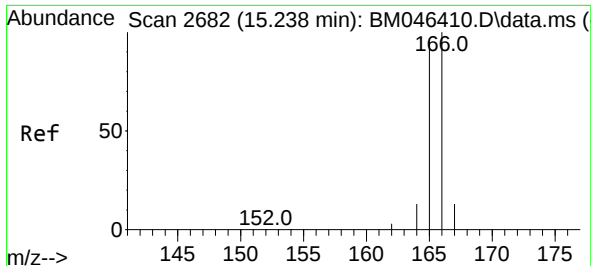
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#11  
Acenaphthene  
Concen: 0.075 ng/ul  
RT: 14.242 min Scan# 2467  
Delta R.T. -0.004 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

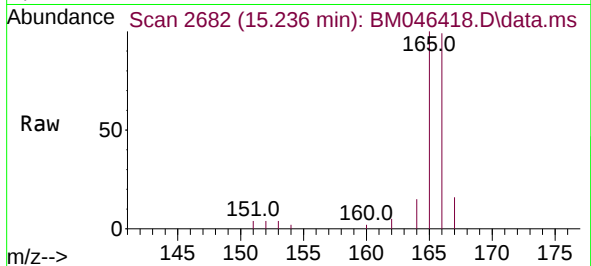
Tgt Ion:153 Resp: 4742  
Ion Ratio Lower Upper  
153 100  
152 53.1 40.4 60.6  
154 88.7 72.1 108.1





#12  
Fluorene  
Concen: 0.072 ng/ul  
RT: 15.236 min Scan# 2077  
Delta R.T. -0.004 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

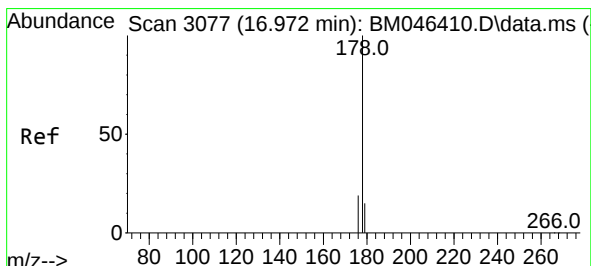
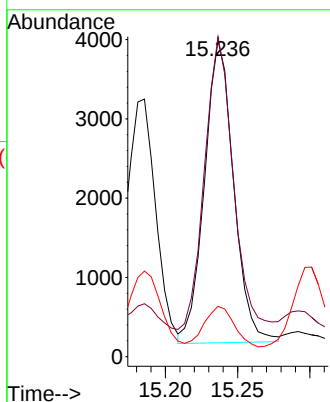
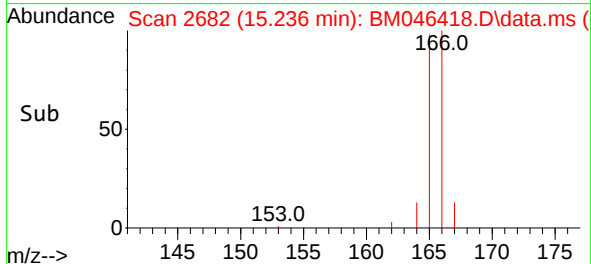
Instrument :  
BNA\_M  
ClientSampleId :  
A4BC1



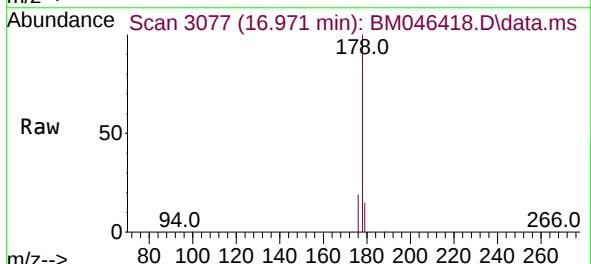
Tgt Ion:166 Resp: 534  
Ion Ratio Lower Upper  
166 100  
165 101.3 78.0 117.0  
167 16.0 11.4 17.0

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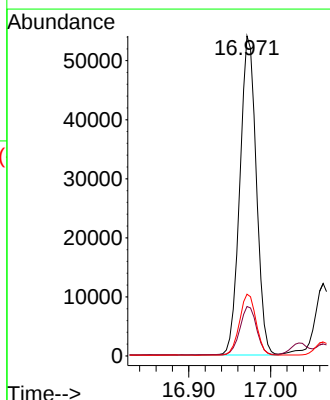
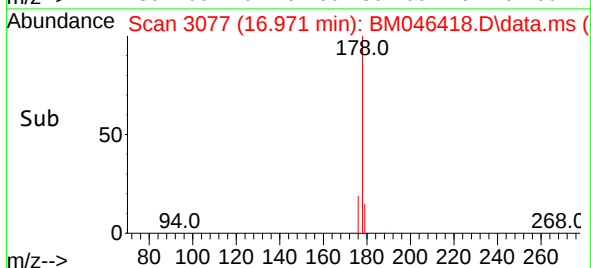
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

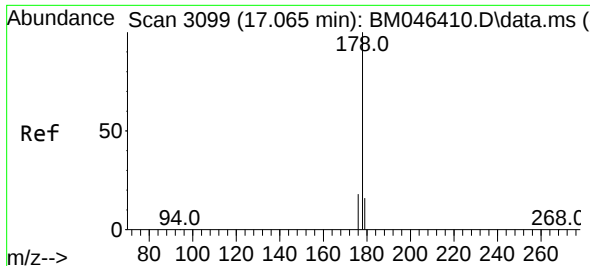


#15  
Phenanthrene  
Concen: 0.698 ng/ul  
RT: 16.971 min Scan# 3077  
Delta R.T. -0.004 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34



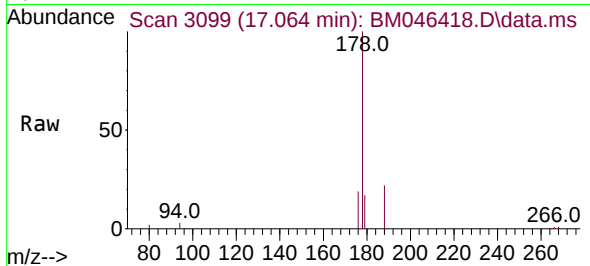
Tgt Ion:178 Resp: 75192  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.7 19.1  
176 19.3 16.0 24.0





#16  
 Anthracene  
 Concen: 0.158 ng/ul  
 RT: 17.064 min Scan# 3099  
 Delta R.T. -0.004 min  
 Lab File: BM046418.D  
 Acq: 06 Jul 2024 14:34

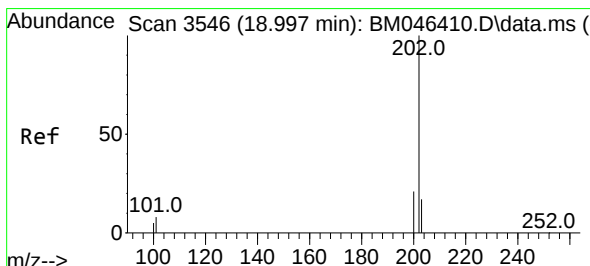
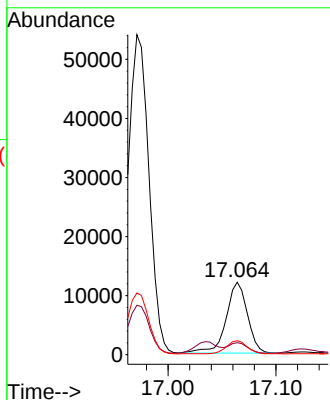
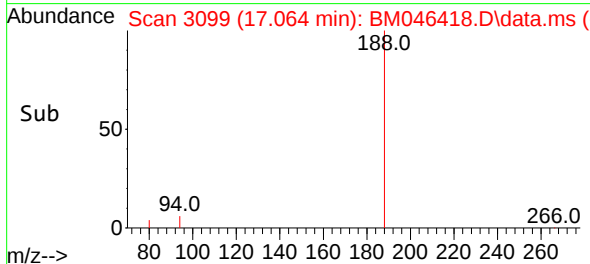
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BC1



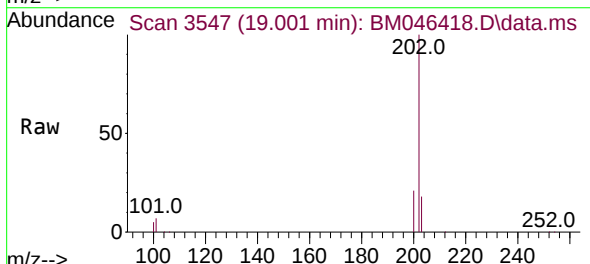
Tgt Ion:178 Resp: 16477  
 Ion Ratio Lower Upper  
 178 100  
 179 16.6 12.6 18.8  
 176 19.2 14.9 22.3

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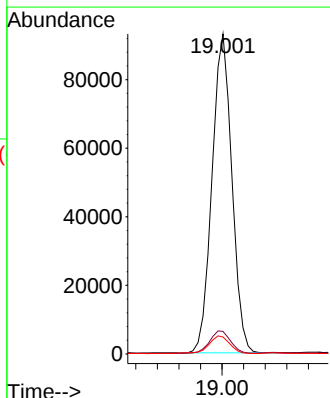
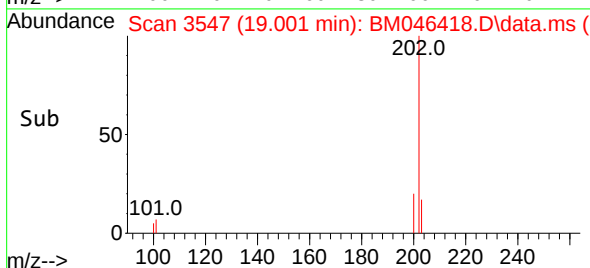
Reviewed By :Yogesh Patel 07/08/2024  
 Supervised By :mohammad ahmed 07/08/2024

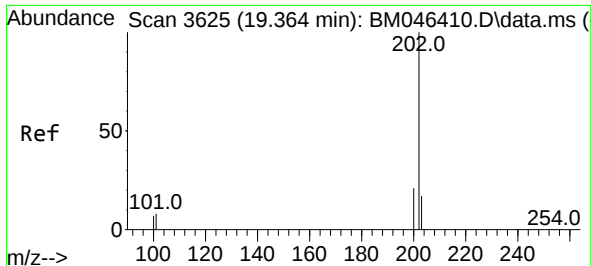


#19  
 Fluoranthene  
 Concen: 1.517 ng/ul  
 RT: 19.001 min Scan# 3547  
 Delta R.T. -0.004 min  
 Lab File: BM046418.D  
 Acq: 06 Jul 2024 14:34



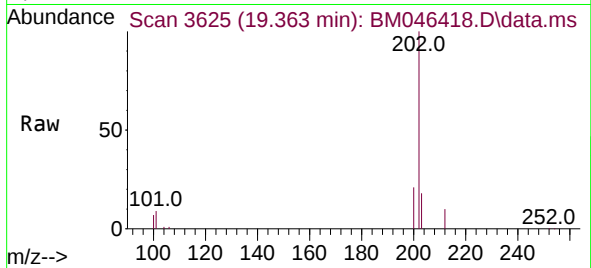
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 Ion Ratio Lower Upper  
 202 100  
 101 7.1 6.3 9.5  
 100 5.3 5.0 7.6





#20  
Pyrene  
Concen: 1.139 ng/ul  
RT: 19.363 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

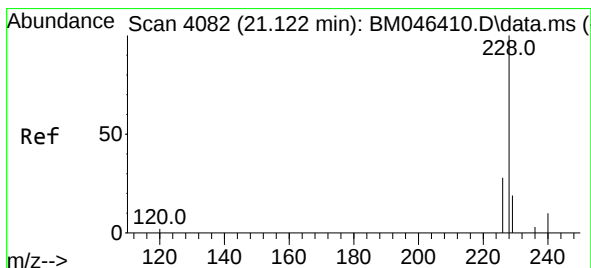
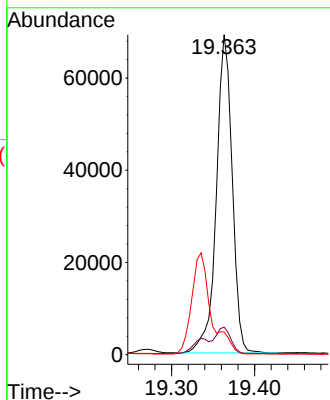
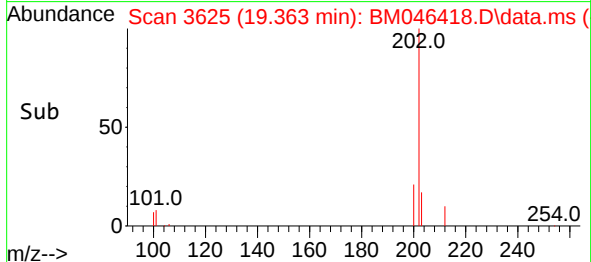
Instrument :  
BNA\_M  
ClientSampleId :  
A4BC1



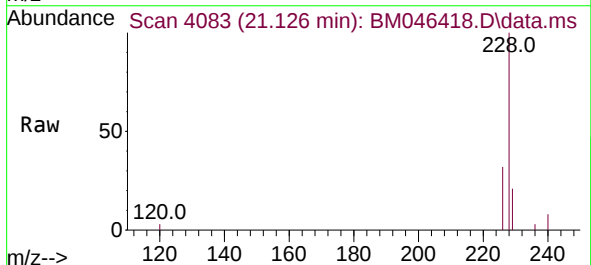
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100 7.1 6.9 10.3

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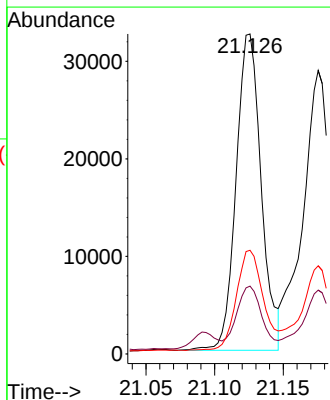
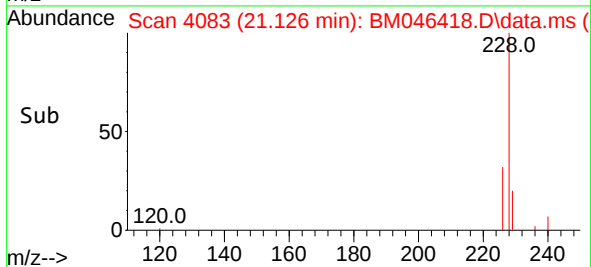
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

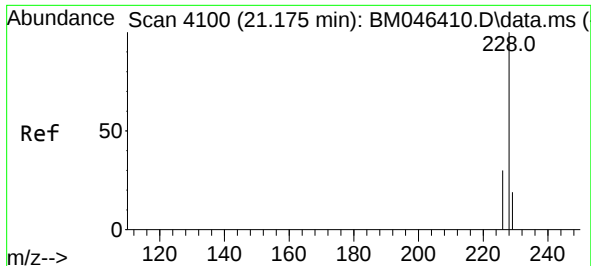


#21  
Benzo(a)anthracene  
Concen: 0.600 ng/ul  
RT: 21.126 min Scan# 4083  
Delta R.T. 0.000 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34



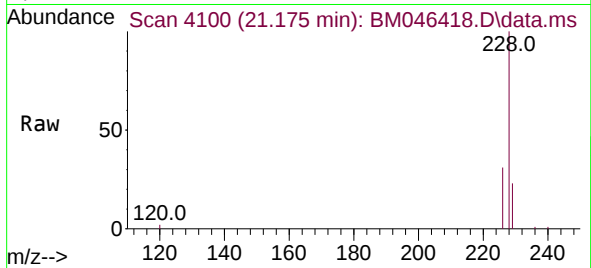
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Ion Ratio Lower Upper  
228 100  
229 21.2 15.8 23.6  
226 32.4 22.0 33.0





#22  
Chrysene  
Concen: 0.585 ng/ul  
RT: 21.175 min Scan# 4100  
Delta R.T. -0.003 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

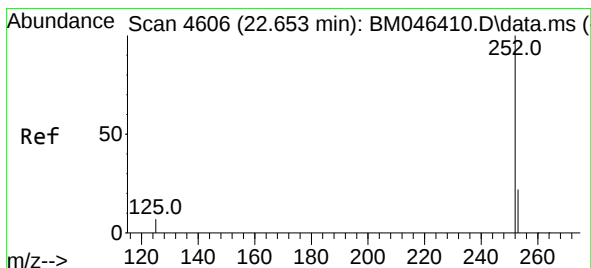
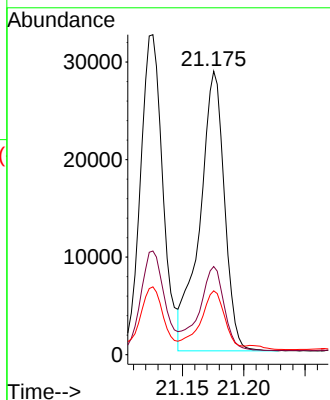
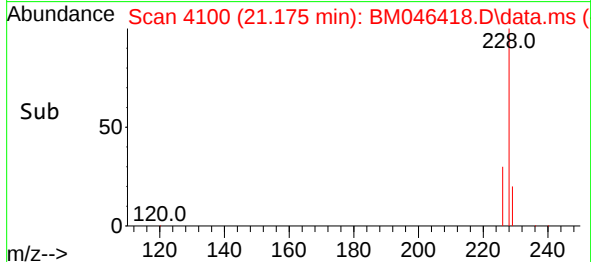
Instrument :  
BNA\_M  
ClientSampleId :  
A4BC1



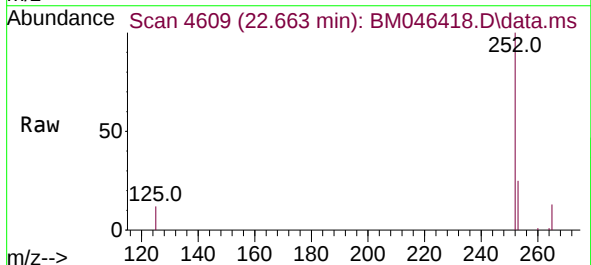
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226 31.1 24.1 36.1  
229 22.5 15.8 23.6

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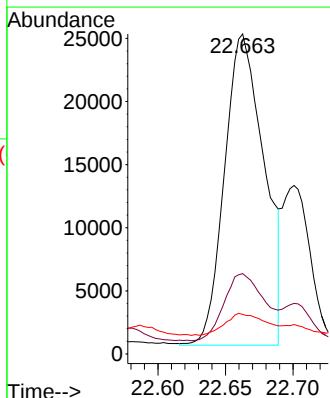
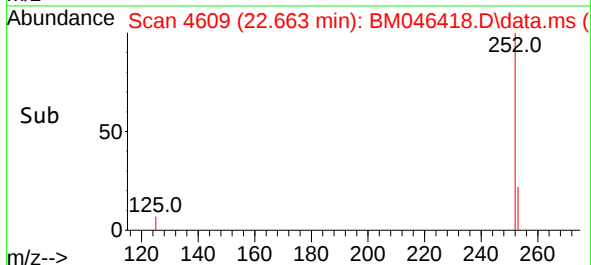
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

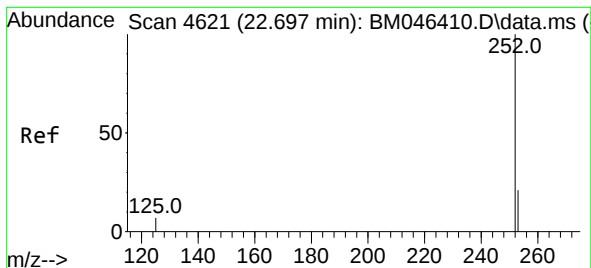


#24  
Benzo(b)fluoranthene  
Concen: 0.784 ng/ul m  
RT: 22.653 min Scan# 4609  
Delta R.T. 0.000 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34



Tgt Ion:252 Resp: 50262  
Ion Ratio Lower Upper  
252 100  
253 25.1 0.0 47.0  
125 12.4 0.0 18.4





#25

Benzo(k)fluoranthene

Concen: 0.291 ng/ul m

RT: 22.701 min Scan# 4622

Delta R.T. -0.006 min

Lab File: BM046418.D

Acq: 06 Jul 2024 14:34

Instrument :

BNA\_M

ClientSampleId :

A4BC1

Tgt Ion:252 Resp: 18820

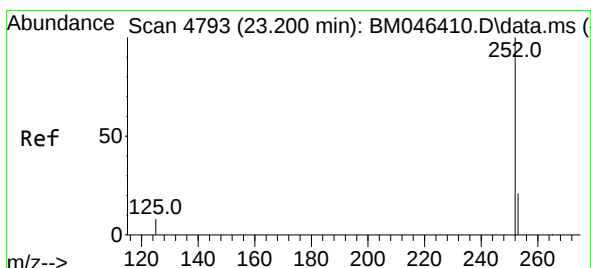
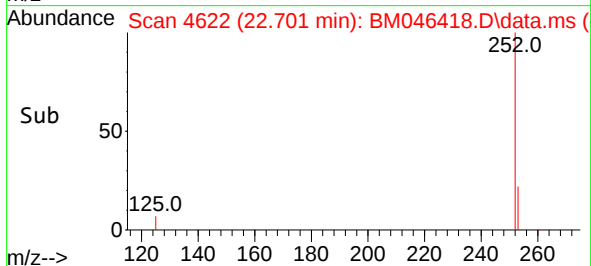
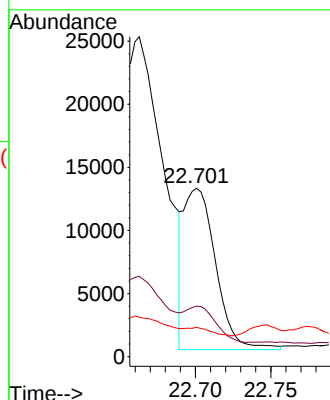
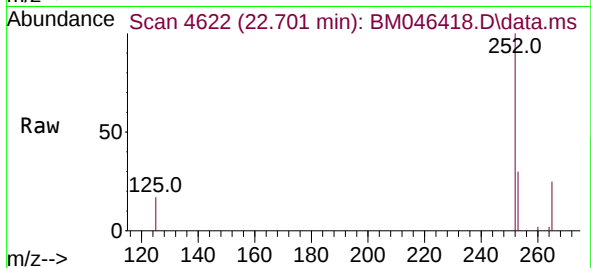
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 30.0  | 18.4  | 27.6  |
| 125 | 17.5  | 7.5   | 11.3  |

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: 0.636 ng/ul

RT: 23.209 min Scan# 4796

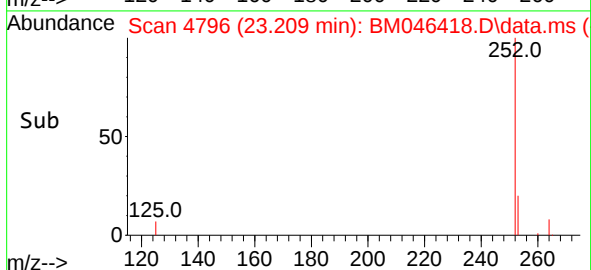
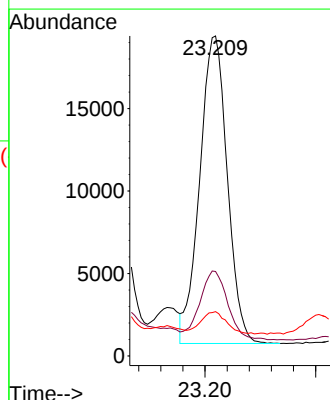
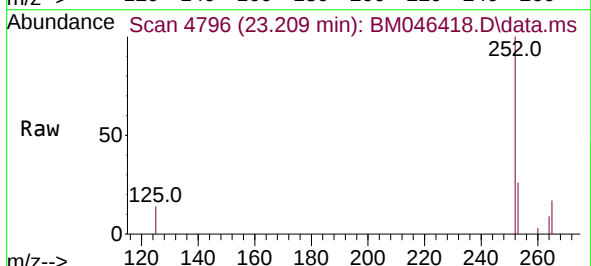
Delta R.T. 0.000 min

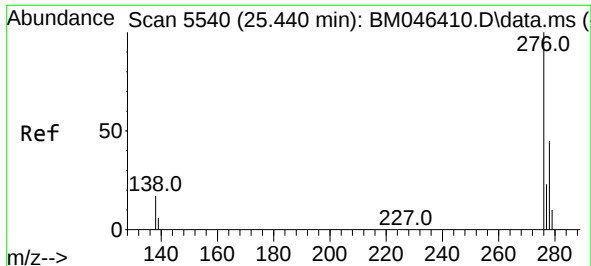
Lab File: BM046418.D

Acq: 06 Jul 2024 14:34

Tgt Ion:252 Resp: 32254

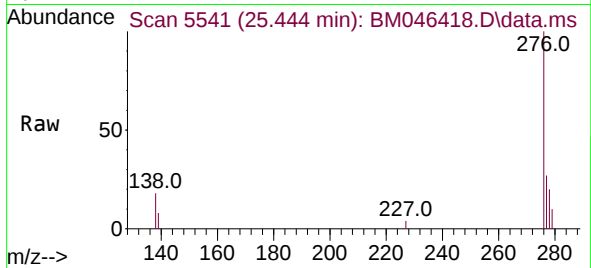
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 26.4  | 18.9  | 28.3  |
| 125 | 13.8  | 8.1   | 12.1  |





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.380 ng/ul  
RT: 25.444 min Scan# 5541  
Delta R.T. -0.003 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

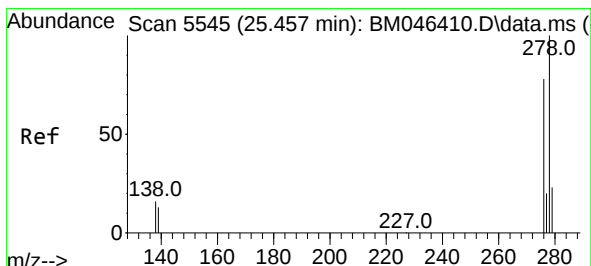
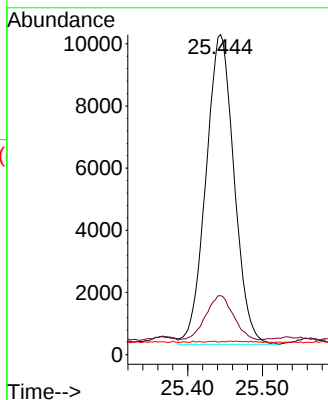
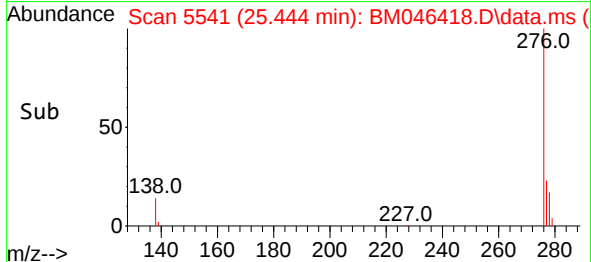
Instrument :  
BNA\_M  
ClientSampleId :  
A4BC1



Tgt Ion:276 Resp: 2605  
Ion Ratio Lower Upper  
276 100  
138 14.1 15.7 23.5  
227 0.2 0.1 0.1

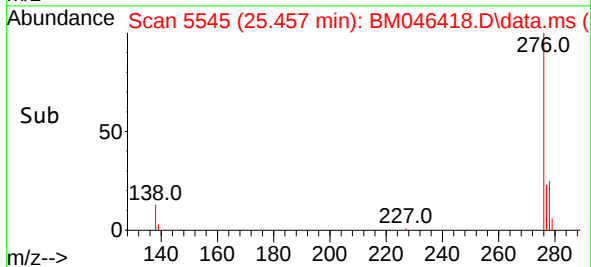
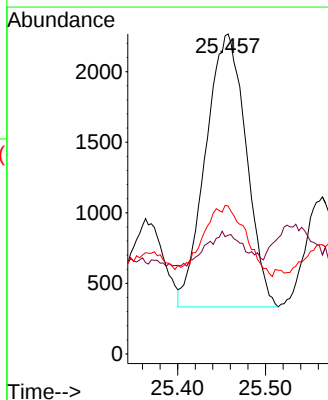
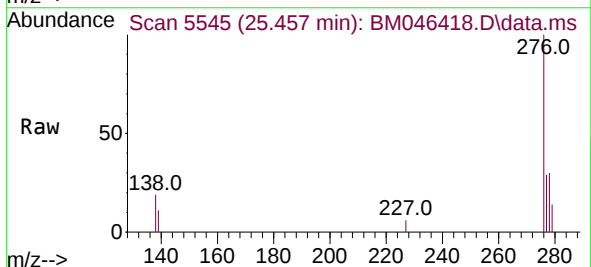
Manual Integrations  
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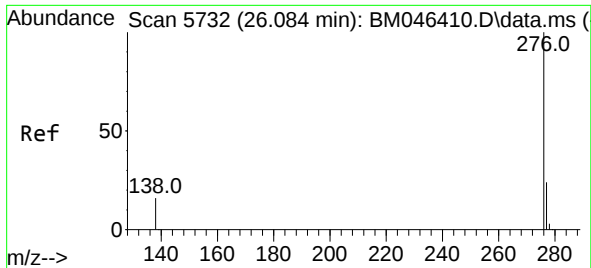
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#28  
Dibenzo(a,h)anthracene  
Concen: 0.117 ng/ul  
RT: 25.457 min Scan# 5545  
Delta R.T. -0.017 min  
Lab File: BM046418.D  
Acq: 06 Jul 2024 14:34

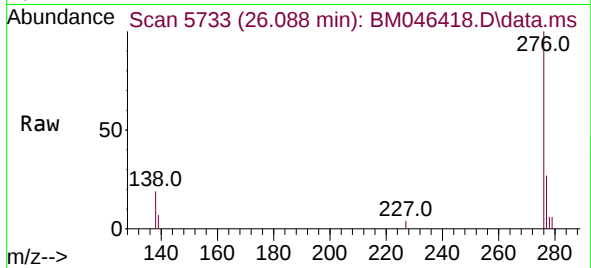
Tgt Ion:278 Resp: 6196  
Ion Ratio Lower Upper  
278 100  
139 37.1 12.6 18.8#  
279 46.3 20.7 31.1#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.469 ng/ul  
 RT: 26.088 min Scan# 51  
 Delta R.T. -0.003 min  
 Lab File: BM046418.D  
 Acq: 06 Jul 2024 14:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BC1



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 2560 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 18.8  | 15.4  | 23.0 |
| 277       | 27.5  | 19.7  | 29.5 |

Manual Integrations  
 APPROVED

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

