

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
 Data File : BM046869.D  
 Acq On : 27 Jul 2024 15:52  
 Operator : MA/JU  
 Sample : P3263-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BD7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/29/2024  
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 28 23:30:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 24 15:10:37 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.459  | 152  | 5001     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.216 | 136  | 11640    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.109 | 164  | 7390     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.863 | 188  | 15544    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.076 | 240  | 13549    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.206 | 264  | 14633m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.092  | 96   | 8379     | 2.393 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.816 | 152  | 3963     | 0.214 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.905 | 212  | 7255     | 0.164 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.266 | 128  | 4921     | 0.167 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.893 | 142  | 2208     | 0.109 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.113 | 142  | 1583     | 0.076 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.822 | 152  | 5832     | 0.172 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.169 | 153  | 3436     | 0.150 | ng/ul  | 99       |
| 12) Fluorene                | 15.168 | 166  | 4580     | 0.160 | ng/ul  | 97       |
| 15) Phenanthrene            | 16.905 | 178  | 77683    | 1.739 | ng/ul  | 98       |
| 16) Anthracene              | 16.998 | 178  | 16014    | 0.385 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.937 | 202  | 113278   | 1.904 | ng/ul  | 98       |
| 20) Pyrene                  | 19.300 | 202  | 96878    | 1.574 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.061 | 228  | 67387    | 1.194 | ng/ul  | 97       |
| 22) Chrysene                | 21.114 | 228  | 68375    | 1.192 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.578 | 252  | 91866m   | 1.430 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.613 | 252  | 31989m   | 0.494 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.113 | 252  | 60367    | 1.309 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.303 | 276  | 45482    | 0.641 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.309 | 278  | 10818    | 0.208 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 25.943 | 276  | 45677    | 0.731 | ng/ul# | 95       |
| -----                       |        |      |          |       |        |          |

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

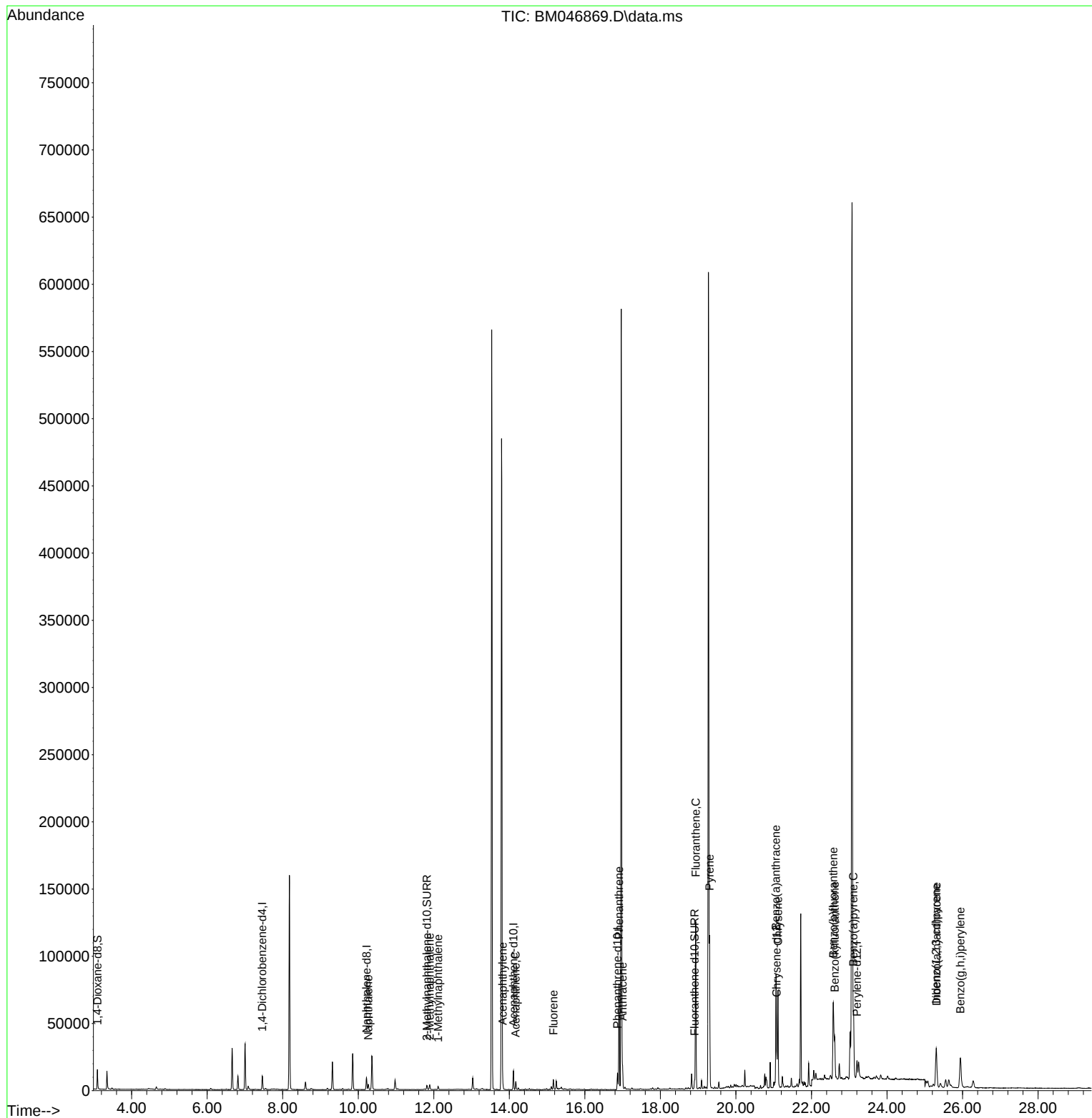
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046869.D  
Acq On : 27 Jul 2024 15:52  
Operator : MA/JU  
Sample : P3263-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

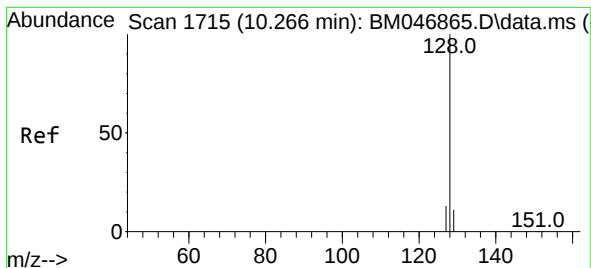
Instrument :  
BNA\_M  
ClientSampleId :  
A4BD7

Manual Integrations  
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Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 28 23:30:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 24 15:10:37 2024  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.167 ng/ul

RT: 10.266 min Scan# 1715

Delta R.T. -0.011 min

Lab File: BM046869.D

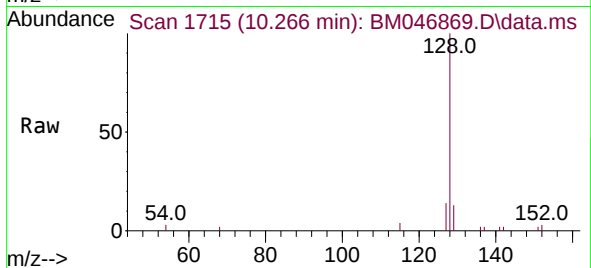
Acq: 27 Jul 2024 15:52

Instrument :

BNA\_M

ClientSampleId :

A4BD7



Tgt Ion:128 Resp: 492

Ion Ratio Lower Upper

128 100

129 12.7 10.1 15.1

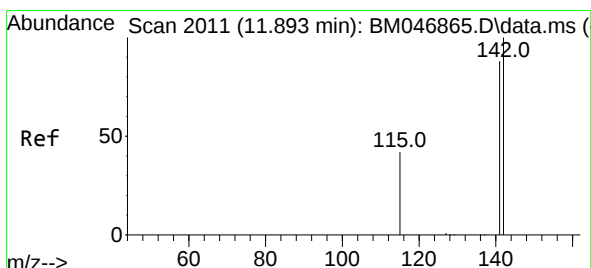
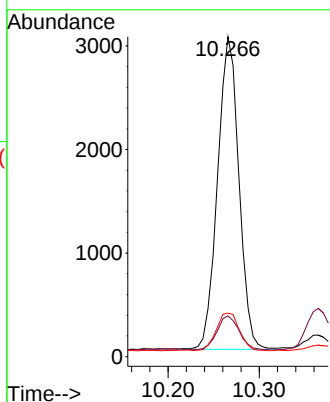
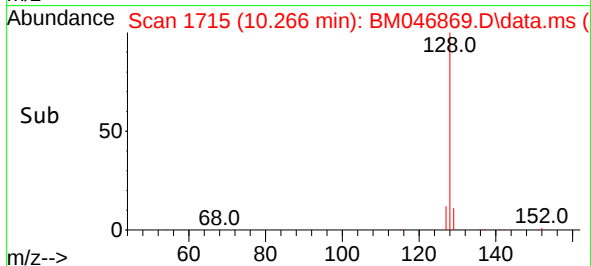
127 13.6 11.5 17.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#7

2-Methylnaphthalene

Concen: 0.109 ng/ul

RT: 11.893 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BM046869.D

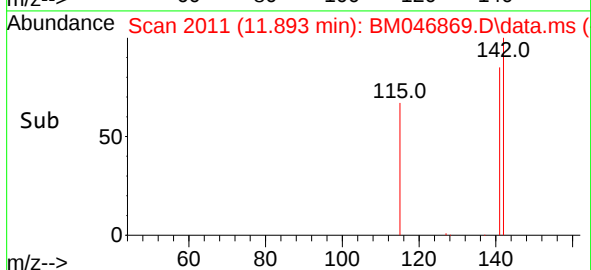
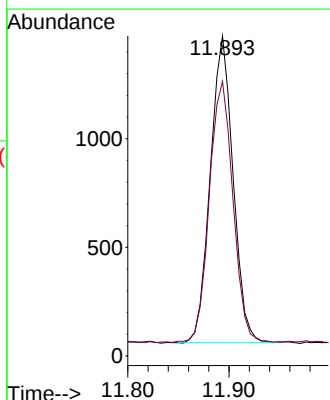
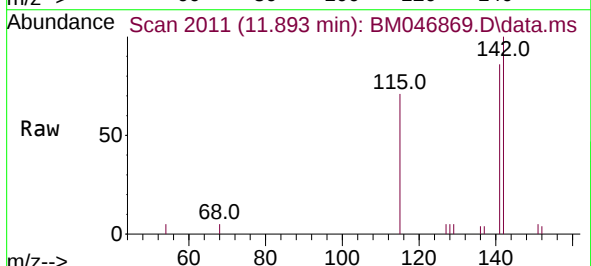
Acq: 27 Jul 2024 15:52

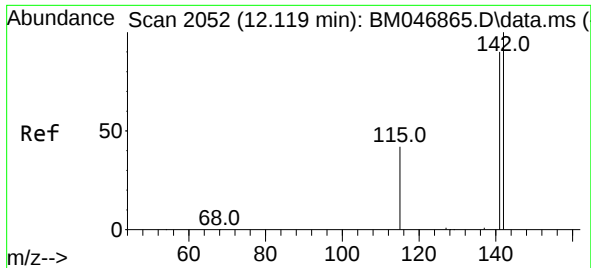
Tgt Ion:142 Resp: 2208

Ion Ratio Lower Upper

142 100

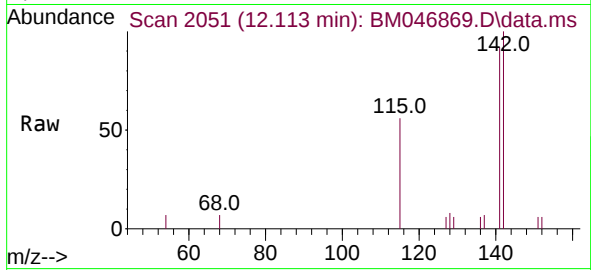
141 88.3 70.5 105.7





#8  
1-Methylnaphthalene  
Concen: 0.076 ng/ul  
RT: 12.113 min Scan# 2051  
Delta R.T. -0.016 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

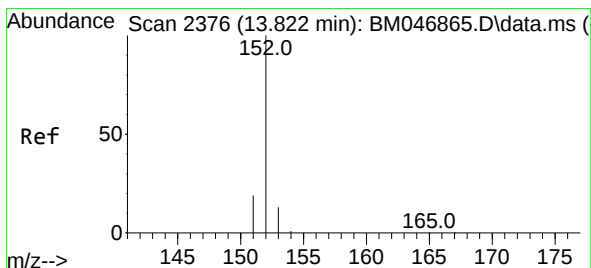
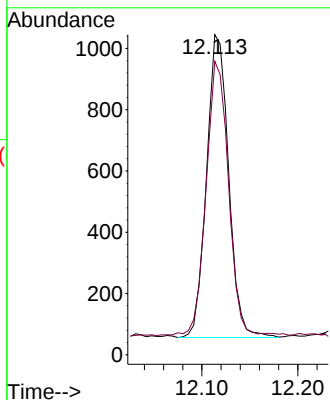
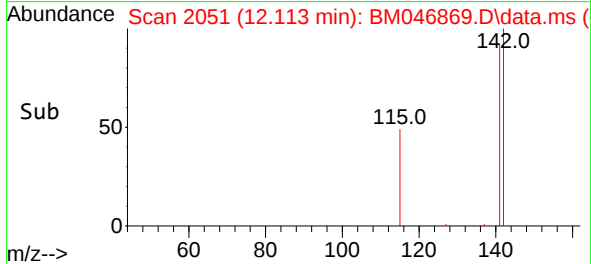
Instrument :  
BNA\_M  
ClientSampleId :  
A4BD7



Tgt Ion:142 Resp: 158  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.1 109.7

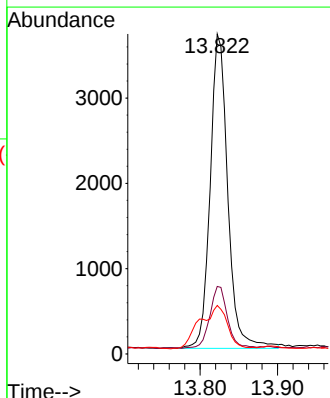
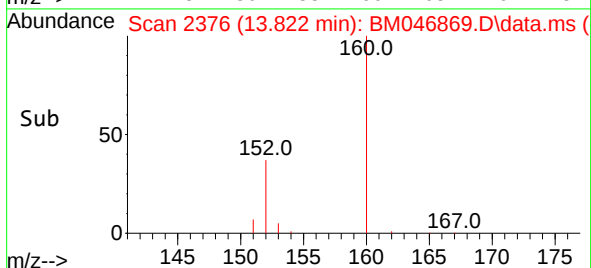
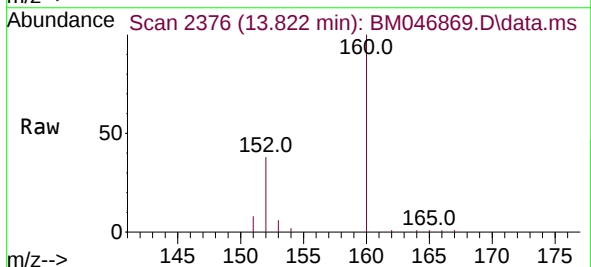
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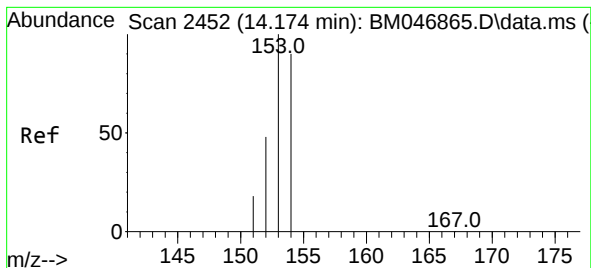
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024



#10  
Acenaphthylene  
Concen: 0.172 ng/ul  
RT: 13.822 min Scan# 2376  
Delta R.T. -0.009 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

Tgt Ion:152 Resp: 5832  
Ion Ratio Lower Upper  
152 100  
151 21.1 16.8 25.2  
153 15.1 11.0 16.6





#11

Acenaphthene

Concen: 0.150 ng/ul

RT: 14.169 min Scan# 2451

Delta R.T. -0.014 min

Lab File: BM046869.D

Acq: 27 Jul 2024 15:52

Instrument :

BNA\_M

ClientSampleId :

A4BD7

Tgt Ion:153 Resp: 3430

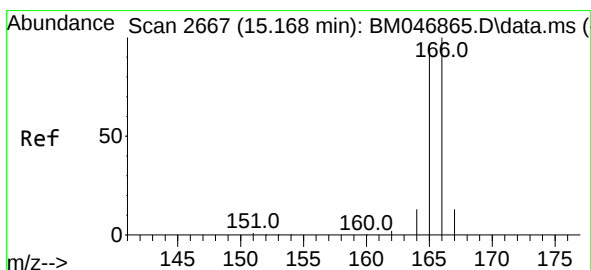
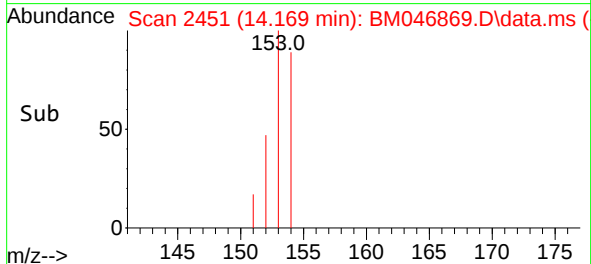
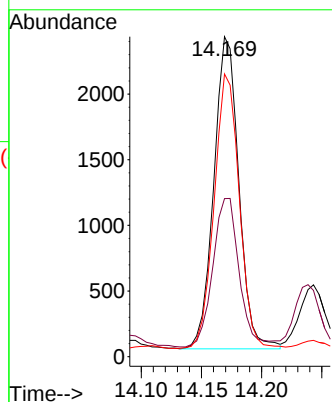
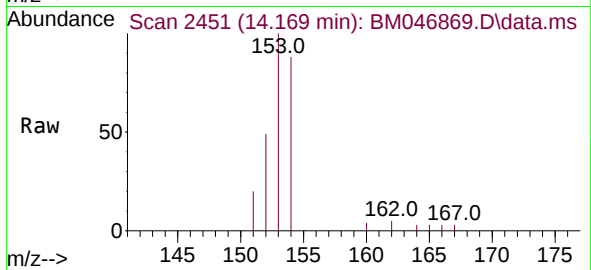
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 49.4  | 38.6  | 57.8  |
| 154 | 88.3  | 70.8  | 106.2 |

Manual Integrations

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Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#12

Fluorene

Concen: 0.160 ng/ul

RT: 15.168 min Scan# 2667

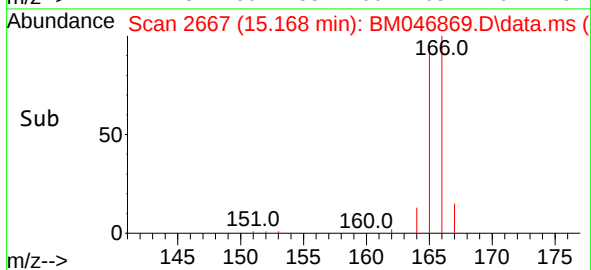
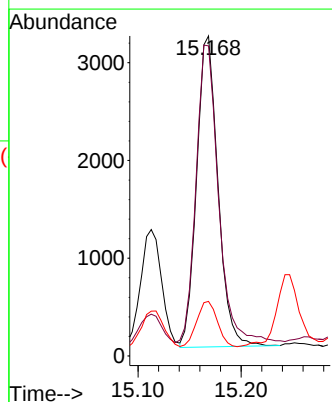
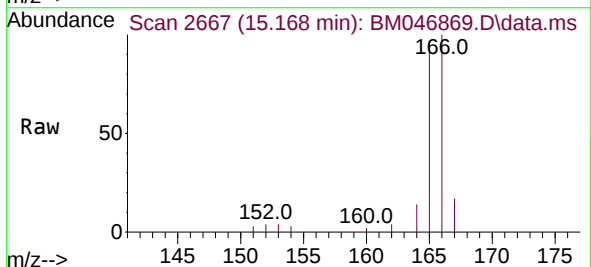
Delta R.T. -0.009 min

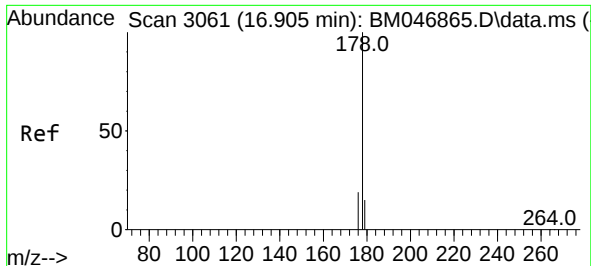
Lab File: BM046869.D

Acq: 27 Jul 2024 15:52

Tgt Ion:166 Resp: 4580

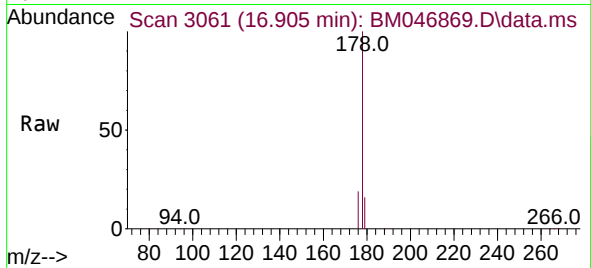
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 96.9  | 79.8  | 119.6 |
| 167 | 17.0  | 12.3  | 18.5  |





#15  
Phenanthrene  
Concen: 1.739 ng/u1  
RT: 16.905 min Scan# 3061  
Delta R.T. -0.008 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

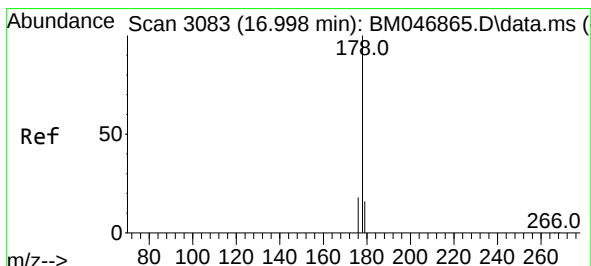
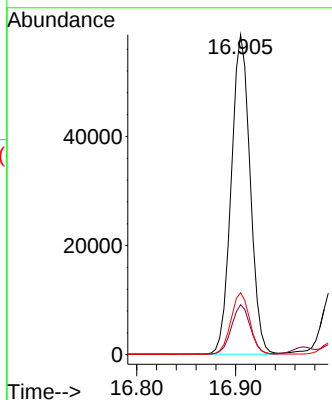
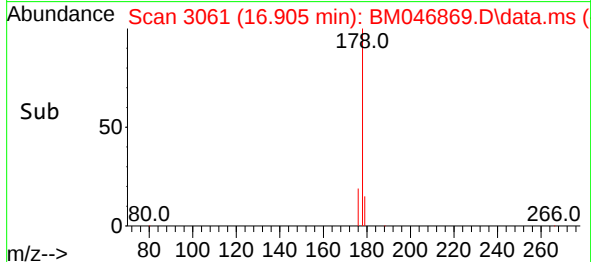
Instrument :  
BNA\_M  
ClientSampleId :  
A4BD7



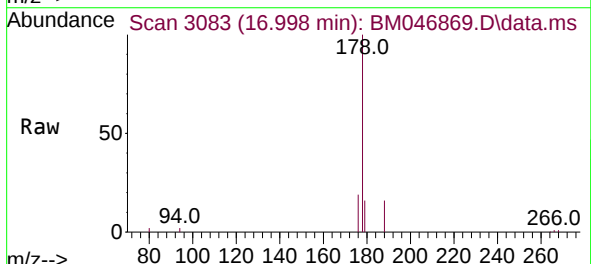
Tgt Ion:178 Resp: 77683  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.4 20.2  
176 19.4 16.1 24.1

Manual Integrations  
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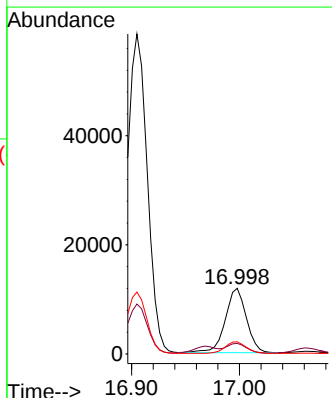
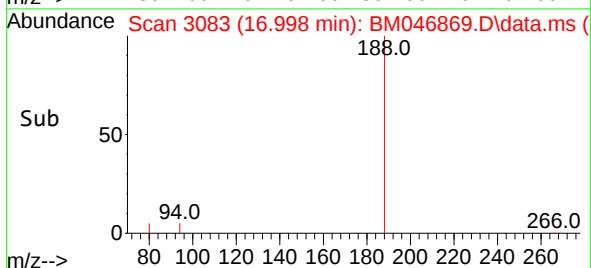
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

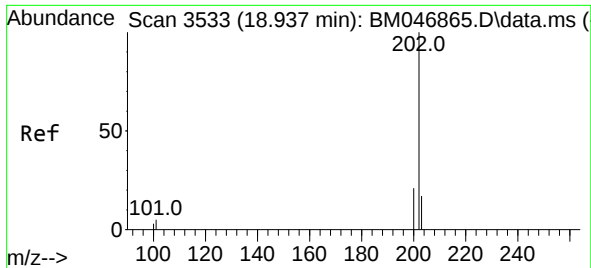


#16  
Anthracene  
Concen: 0.385 ng/u1  
RT: 16.998 min Scan# 3083  
Delta R.T. -0.008 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52



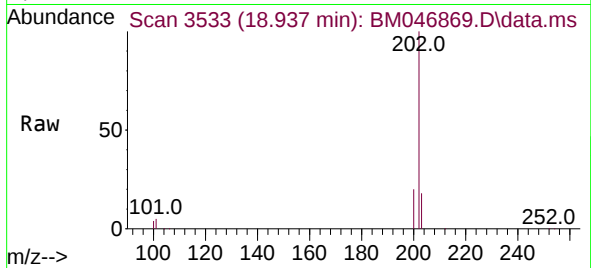
Tgt Ion:178 Resp: 16014  
Ion Ratio Lower Upper  
178 100  
179 16.0 13.1 19.7  
176 18.7 15.0 22.6





#19  
Fluoranthene  
Concen: 1.904 ng/ul  
RT: 18.937 min Scan# 3533  
Delta R.T. -0.005 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

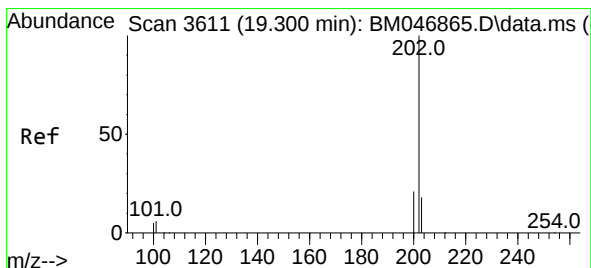
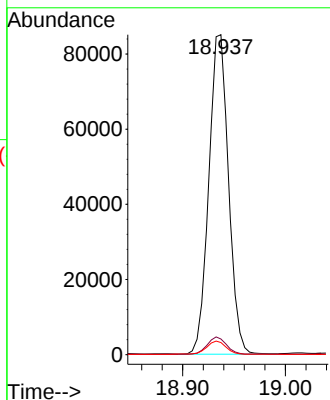
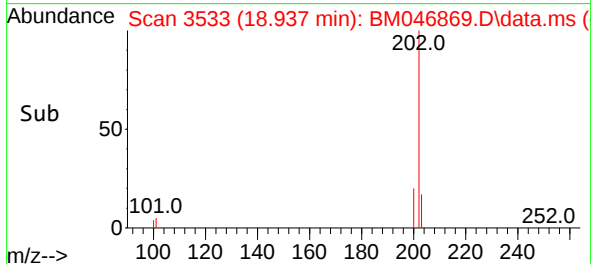
Instrument :  
BNA\_M  
ClientSampleId :  
A4BD7



Tgt Ion:202 Resp: 113278  
Ion Ratio Lower Upper  
202 100  
101 4.9 4.7 7.1  
100 3.8 3.4 5.2

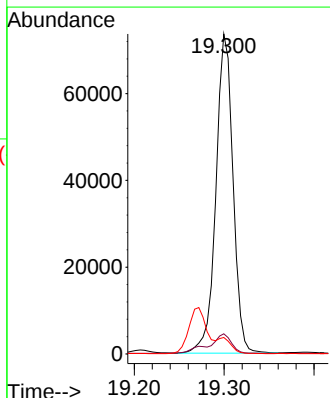
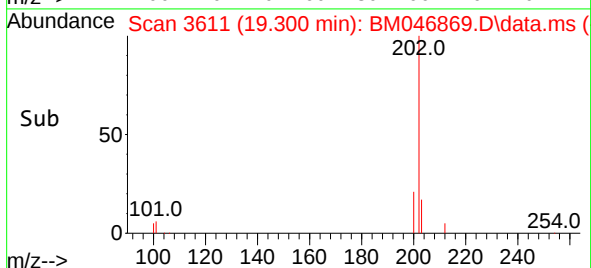
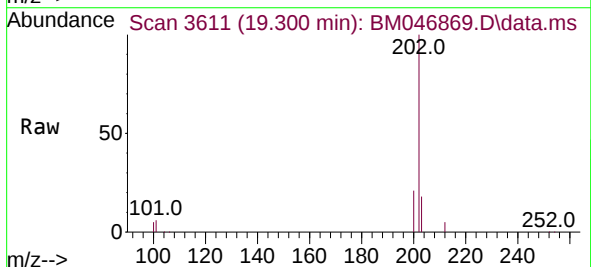
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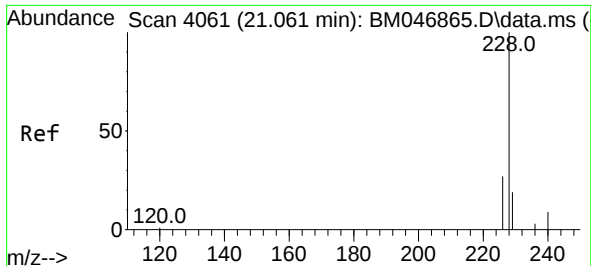
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024



#20  
Pyrene  
Concen: 1.574 ng/ul  
RT: 19.300 min Scan# 3611  
Delta R.T. -0.005 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

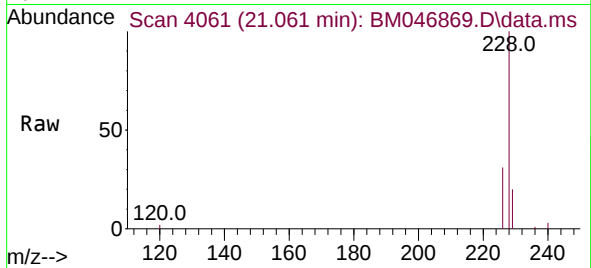
Tgt Ion:202 Resp: 96878  
Ion Ratio Lower Upper  
202 100  
101 6.3 5.2 7.8  
100 5.1 4.3 6.5





#21  
Benzo(a)anthracene  
Concen: 1.194 ng/ul  
RT: 21.061 min Scan# 4061  
Delta R.T. -0.003 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

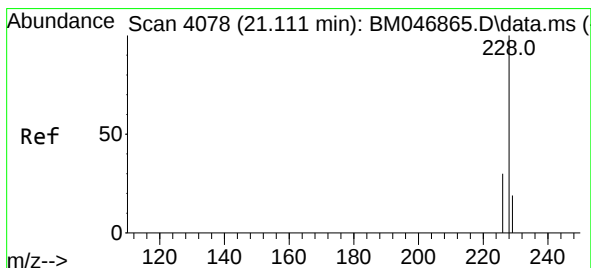
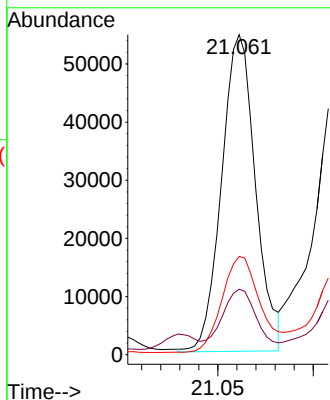
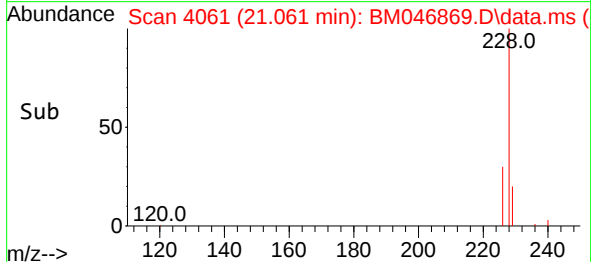
Instrument :  
BNA\_M  
ClientSampleId :  
A4BD7



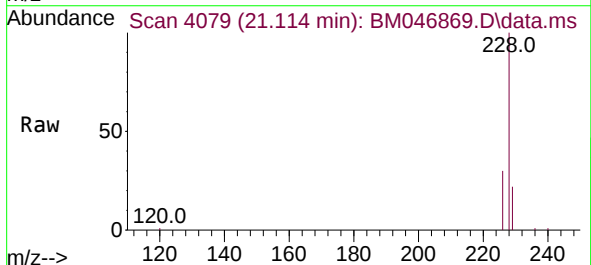
Tgt Ion:228 Resp: 67385  
Ion Ratio Lower Upper  
228 100  
229 20.4 16.3 24.5  
226 30.7 22.3 33.5

Manual Integrations  
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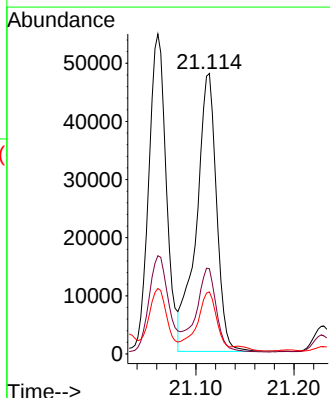
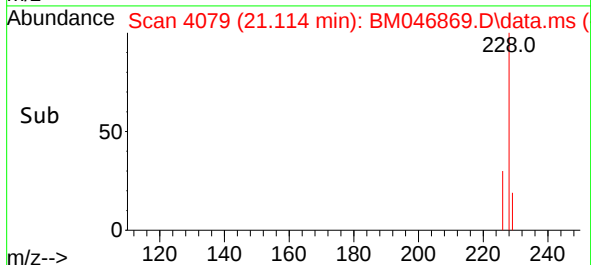
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

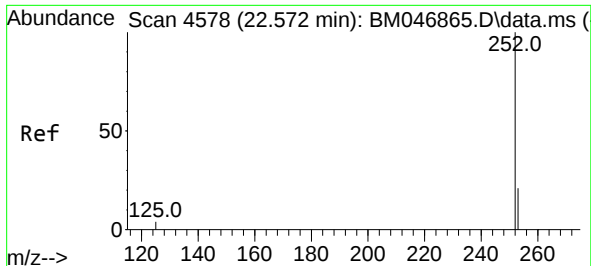


#22  
Chrysene  
Concen: 1.192 ng/ul  
RT: 21.114 min Scan# 4079  
Delta R.T. -0.003 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52



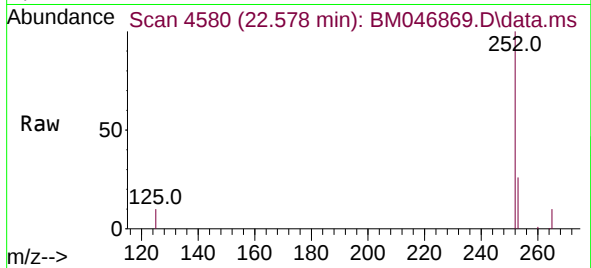
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Ion Ratio Lower Upper  
228 100  
226 30.4 24.5 36.7  
229 22.1 16.2 24.2





#24  
Benzo(b)fluoranthene  
Concen: 1.430 ng/ul m  
RT: 22.578 min Scan# 4578  
Delta R.T. -0.003 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

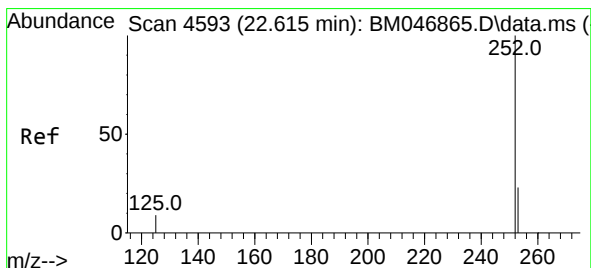
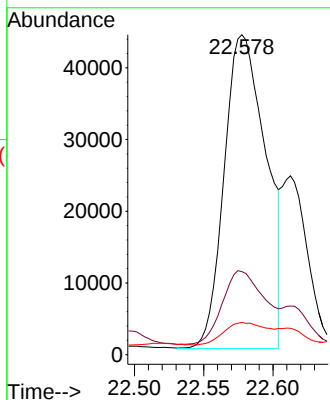
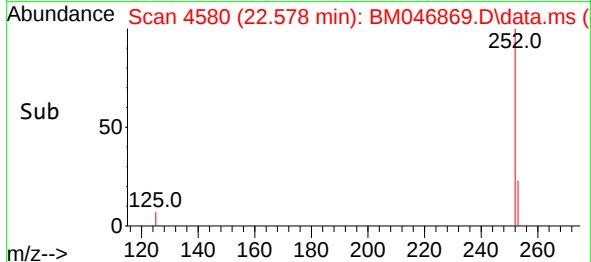
Instrument :  
BNA\_M  
ClientSampleId :  
A4BD7



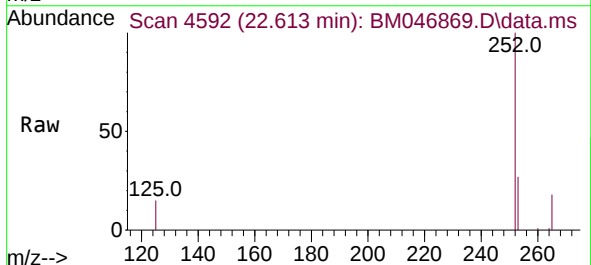
Tgt Ion:252 Resp: 91860  
Ion Ratio Lower Upper  
252 100  
253 25.9 0.0 56.4  
125 10.1 0.0 15.8

Manual Integrations  
APPROVED

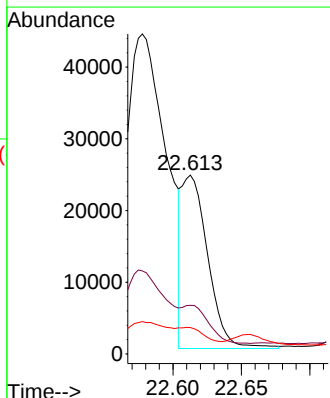
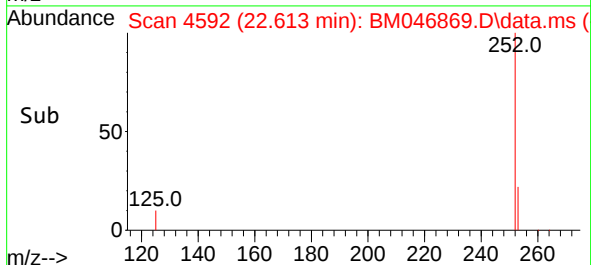
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024

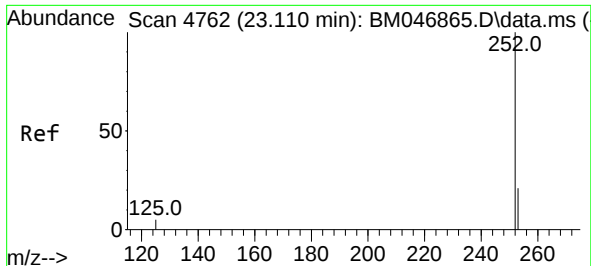


#25  
Benzo(k)fluoranthene  
Concen: 0.494 ng/ul m  
RT: 22.613 min Scan# 4592  
Delta R.T. -0.009 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52



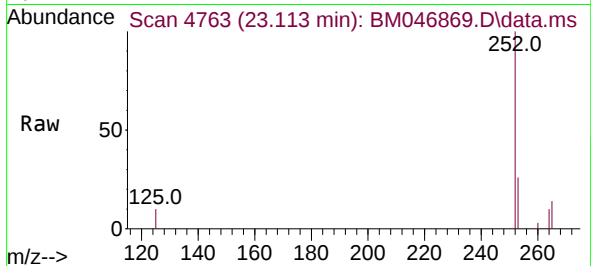
Tgt Ion:252 Resp: 31989  
Ion Ratio Lower Upper  
252 100  
253 27.2 23.5 35.3  
125 14.8 8.6 13.0#





#26  
Benzo(a)pyrene  
Concen: 1.309 ng/ul  
RT: 23.113 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

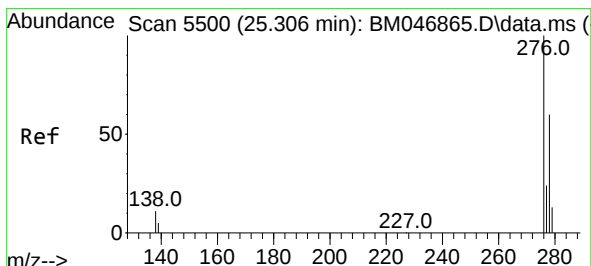
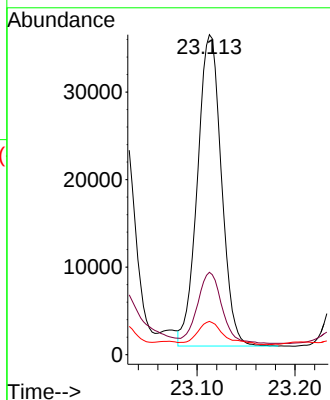
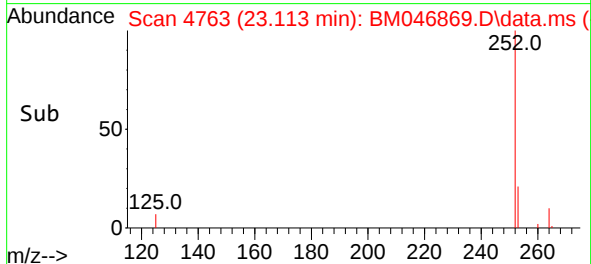
Instrument :  
BNA\_M  
ClientSampleId :  
A4BD7



Tgt Ion:252 Resp: 6036  
Ion Ratio Lower Upper  
252 100  
253 25.7 26.0 39.0#  
125 10.4 7.8 11.8

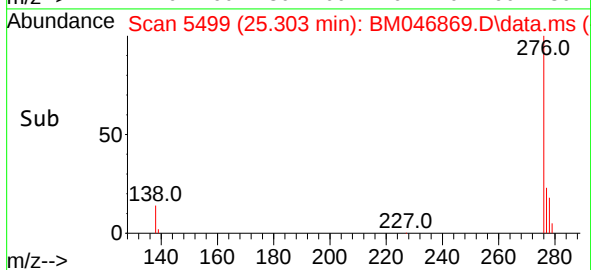
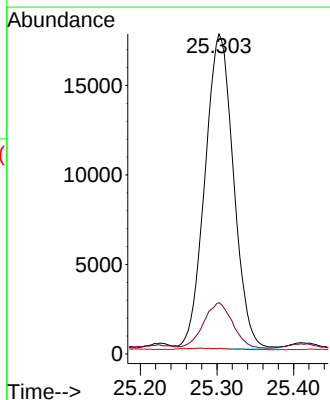
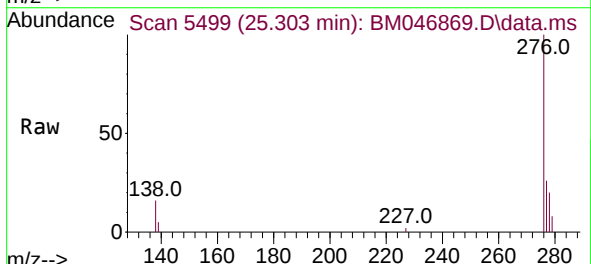
Manual Integrations  
APPROVED

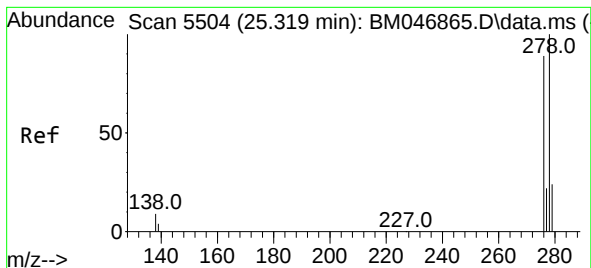
Reviewed By :Yogesh Patel 07/29/2024  
Supervised By :mohammad ahmed 08/05/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.641 ng/ul  
RT: 25.303 min Scan# 5499  
Delta R.T. -0.013 min  
Lab File: BM046869.D  
Acq: 27 Jul 2024 15:52

Tgt Ion:276 Resp: 45482  
Ion Ratio Lower Upper  
276 100  
138 14.6 9.7 14.5#  
227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.208 ng/ul

RT: 25.309 min Scan# 51

Delta R.T. -0.023 min

Lab File: BM046869.D

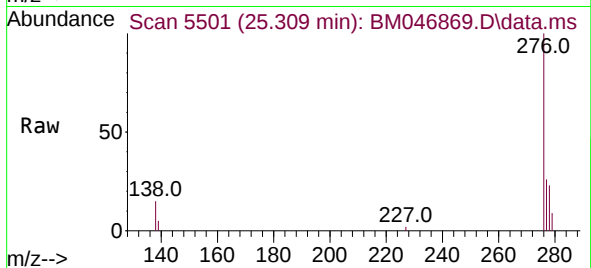
Acq: 27 Jul 2024 15:52

Instrument :

BNM

ClientSampleId :

A4BD7



Tgt Ion:278 Resp: 10818

Ion Ratio Lower Upper

278 100

139 20.5 9.8 14.8

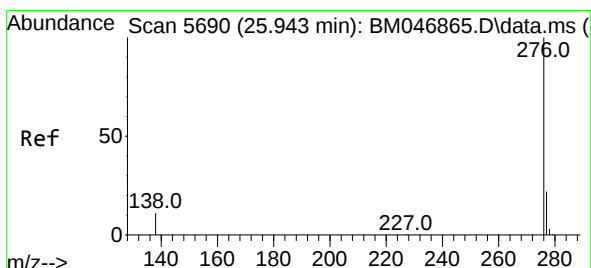
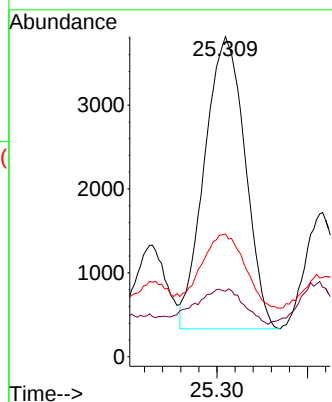
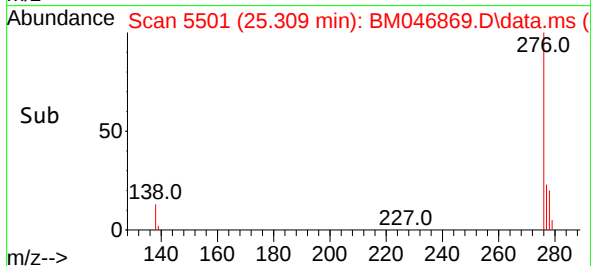
279 38.3 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2024

Supervised By :mohammad ahmed 08/05/2024



#29

Benzo(g,h,i)perylene

Concen: 0.731 ng/ul

RT: 25.943 min Scan# 5690

Delta R.T. -0.010 min

Lab File: BM046869.D

Acq: 27 Jul 2024 15:52

Tgt Ion:276 Resp: 45677

Ion Ratio Lower Upper

276 100

138 15.6 9.5 14.3

277 24.8 20.9 31.3

