

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072924\  
 Data File : BM046890.D  
 Acq On : 29 Jul 2024 19:08  
 Operator : MA/JU  
 Sample : P3263-15DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CK3DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024  
 Supervised By :mohammad ahmed 08/03/2024

Quant Time: Jul 30 00:01:55 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  | 3854     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.211 | 136  | 10846    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.109 | 164  | 6663     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.863 | 188  | 13410    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.079 | 240  | 9321     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.206 | 264  | 9713     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.088  | 96   | 1757     | 0.651 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.816 | 152  | 849      | 0.049 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.905 | 212  | 1694     | 0.056 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.266 | 128  | 2771     | 0.101 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 11.893 | 142  | 867      | 0.046 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.113 | 142  | 600      | 0.031 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.822 | 152  | 3915     | 0.128 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.169 | 153  | 1913     | 0.092 | ng/ul  | 97       |
| 12) Fluorene                | 15.164 | 166  | 2241     | 0.087 | ng/ul# | 98       |
| 15) Phenanthrene            | 16.905 | 178  | 46251    | 1.200 | ng/ul  | 98       |
| 16) Anthracene              | 16.994 | 178  | 9630     | 0.268 | ng/ul  | 97       |
| 19) Fluoranthene            | 18.937 | 202  | 89570    | 2.188 | ng/ul  | 99       |
| 20) Pyrene                  | 19.300 | 202  | 61597    | 1.455 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.061 | 228  | 37505    | 0.966 | ng/ul  | 98       |
| 22) Chrysene                | 21.114 | 228  | 40583    | 1.029 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.580 | 252  | 53346m   | 1.251 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.616 | 252  | 18469m   | 0.430 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.113 | 252  | 17647    | 0.576 | ng/ul# | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.306 | 276  | 18087    | 0.384 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.319 | 278  | 6257     | 0.181 | ng/ul# | 75       |
| 29) Benzo(g,h,i)perylene    | 25.943 | 276  | 2720     | 0.066 | ng/ul# | 54       |
| -----                       |        |      |          |       |        |          |

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

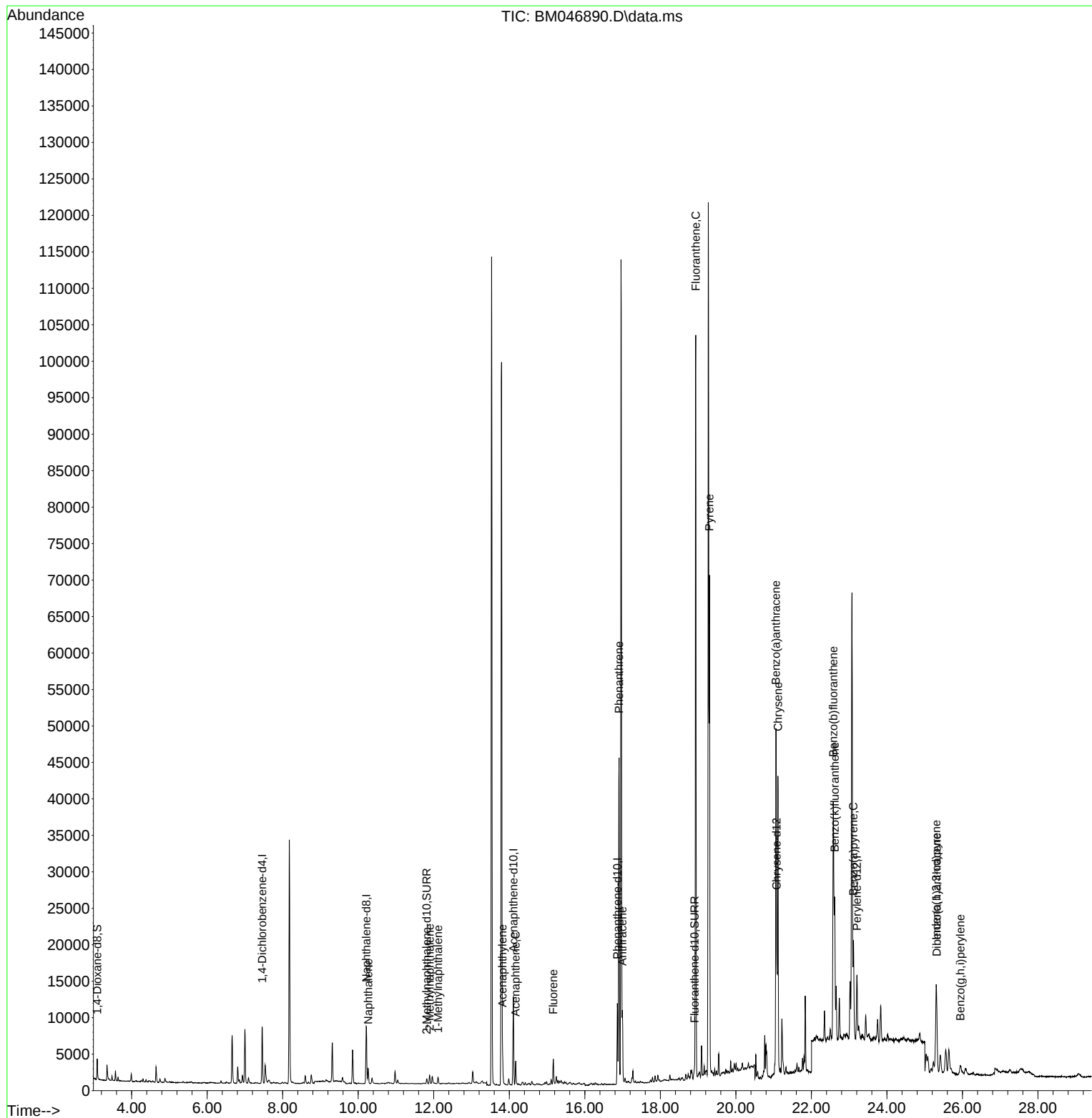
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072924\  
Data File : BM046890.D  
Acq On : 29 Jul 2024 19:08  
Operator : MA/JU  
Sample : P3263-15DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

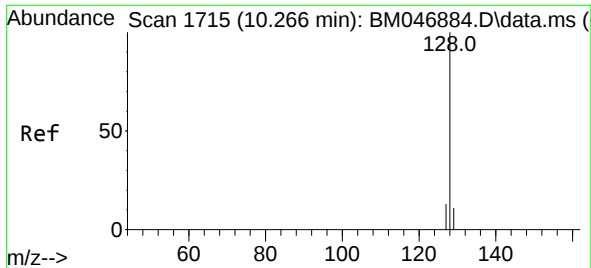
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL

Quant Time: Jul 30 00:01:55 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

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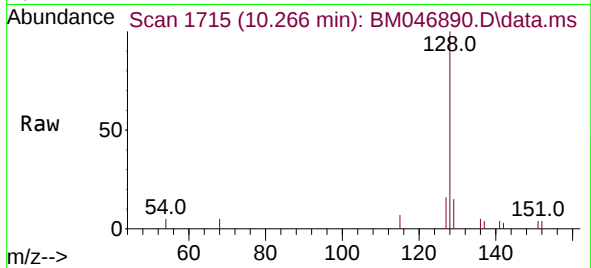
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024





#5  
Naphthalene  
Concen: 0.101 ng/ul  
RT: 10.266 min Scan# 1715  
Delta R.T. -0.011 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

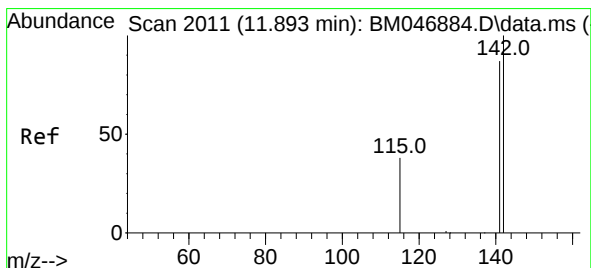
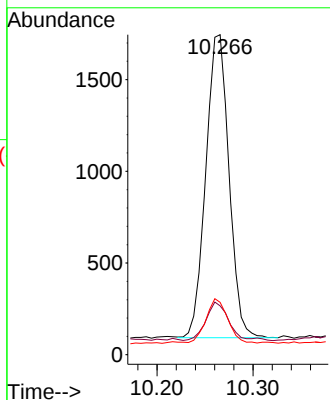
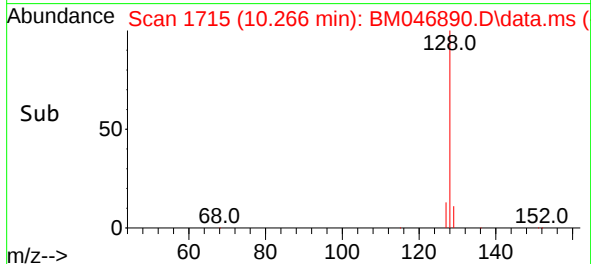
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL



Tgt Ion:128 Resp: 277  
Ion Ratio Lower Upper  
128 100  
129 15.2 10.1 15.1  
127 16.4 11.5 17.3

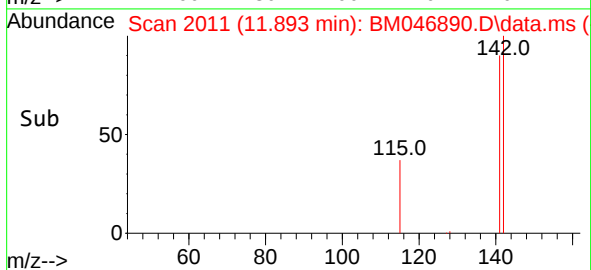
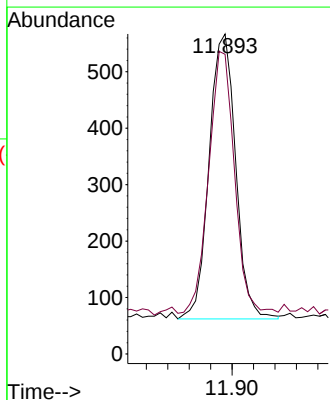
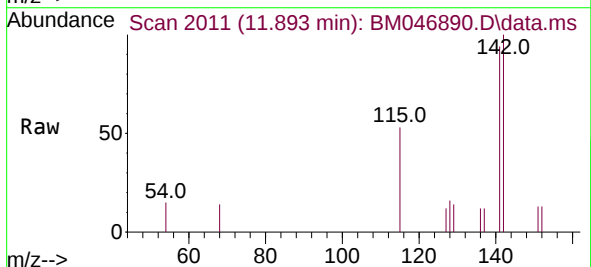
Manual Integrations  
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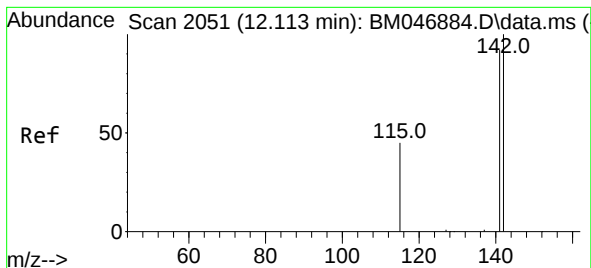
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024



#7  
2-Methylnaphthalene  
Concen: 0.046 ng/ul  
RT: 11.893 min Scan# 2011  
Delta R.T. -0.011 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

Tgt Ion:142 Resp: 867  
Ion Ratio Lower Upper  
142 100  
141 89.4 70.5 105.7





#8

1-Methylnaphthalene

Concen: 0.031 ng/ul

RT: 12.113 min Scan# 2051

Delta R.T. -0.016 min

Lab File: BM046890.D

Acq: 29 Jul 2024 19:08

Instrument :

BNA\_M

ClientSampleId :

A4CK3DL

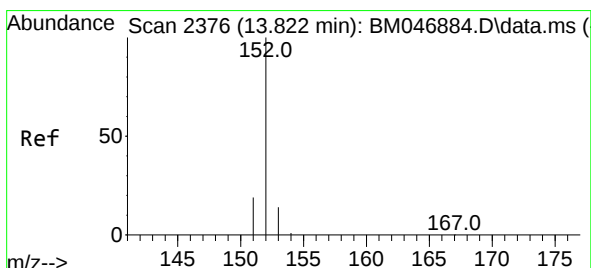
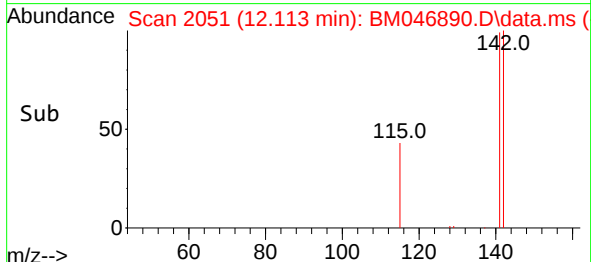
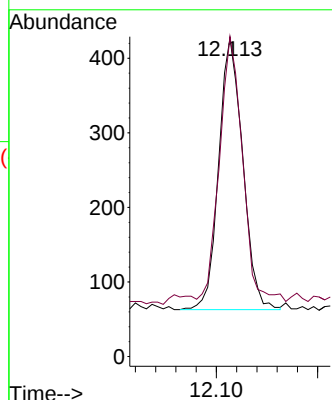
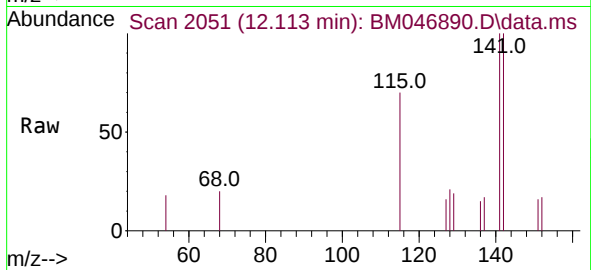
Tgt Ion:142 Resp: 600  
 Ion Ratio Lower Upper  
 142 100  
 141 93.7 73.1 109.7

Manual Integrations

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Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 08/03/2024



#10

Acenaphthylene

Concen: 0.128 ng/ul

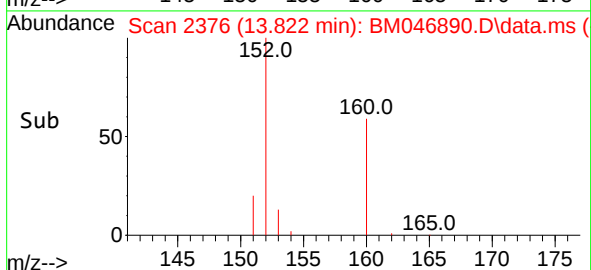
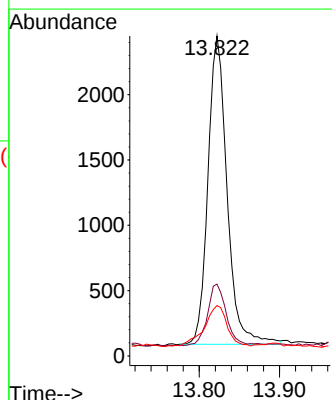
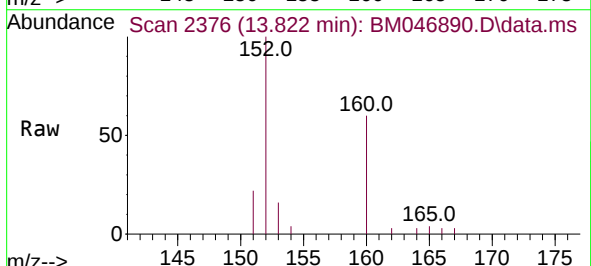
RT: 13.822 min Scan# 2376

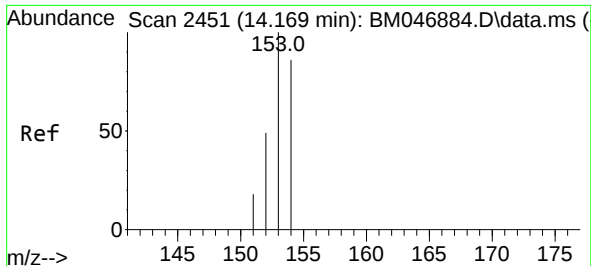
Delta R.T. -0.009 min

Lab File: BM046890.D

Acq: 29 Jul 2024 19:08

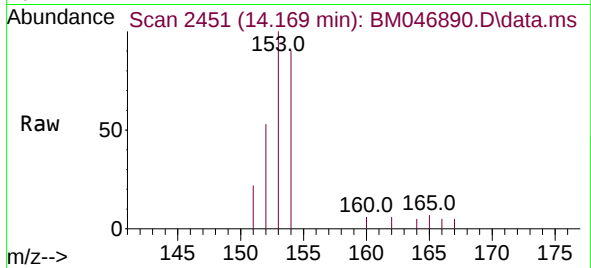
Tgt Ion:152 Resp: 3915  
 Ion Ratio Lower Upper  
 152 100  
 151 22.4 16.8 25.2  
 153 15.7 11.0 16.6





#11  
Acenaphthene  
Concen: 0.092 ng/ul  
RT: 14.169 min Scan# 2451  
Delta R.T. -0.014 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

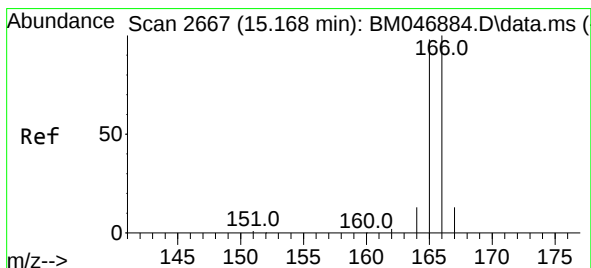
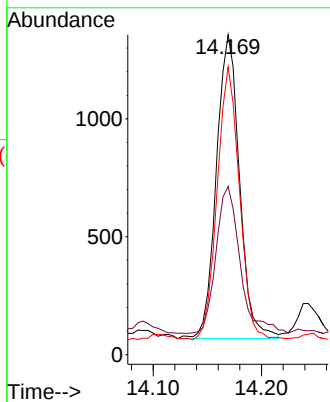
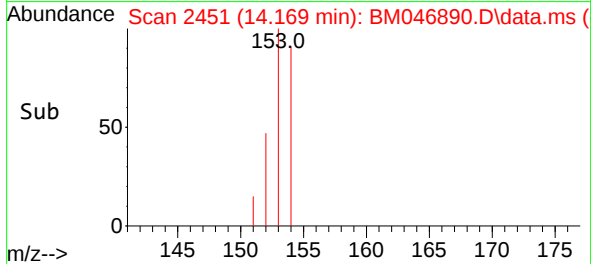
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL



Tgt Ion:153 Resp: 1911  
Ion Ratio Lower Upper  
153 100  
152 52.5 38.6 57.8  
154 89.9 70.8 106.2

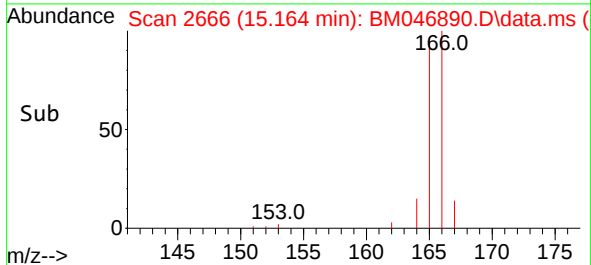
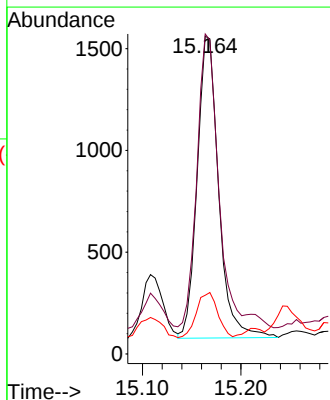
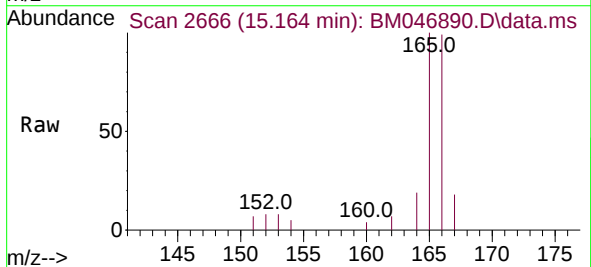
Manual Integrations  
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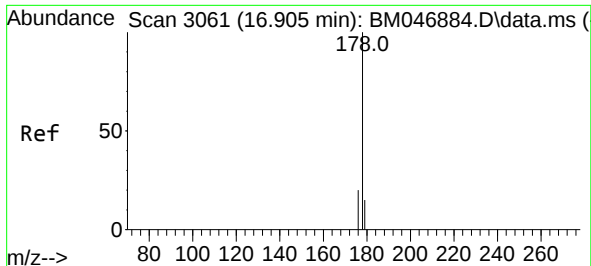
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024



#12  
Fluorene  
Concen: 0.087 ng/ul  
RT: 15.164 min Scan# 2666  
Delta R.T. -0.014 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

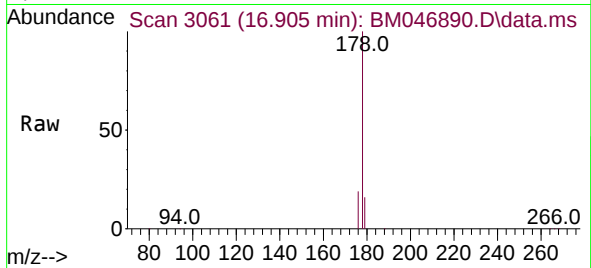
Tgt Ion:166 Resp: 2241  
Ion Ratio Lower Upper  
166 100  
165 100.7 79.8 119.6  
167 18.5 12.3 18.5#





#15  
Phenanthrene  
Concen: 1.200 ng/ul  
RT: 16.905 min Scan# 3061  
Delta R.T. -0.008 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

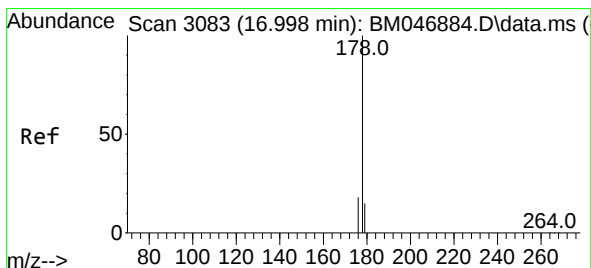
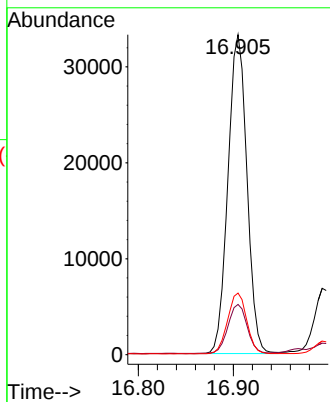
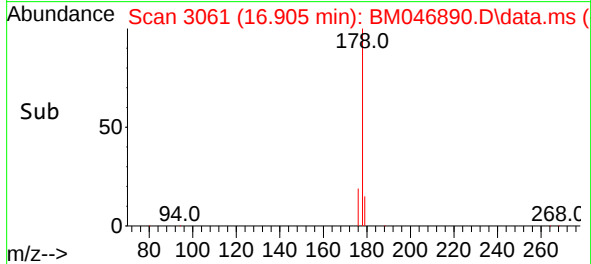
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL



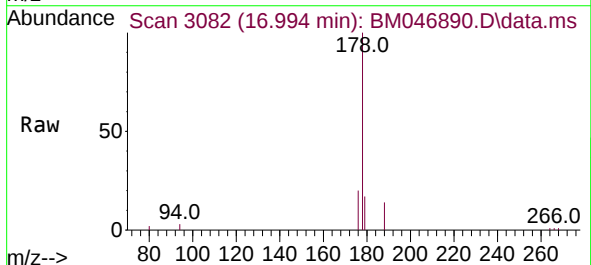
Tgt Ion:178 Resp: 4625  
Ion Ratio Lower Upper  
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179 15.7 13.4 20.2  
176 19.3 16.1 24.1

Manual Integrations  
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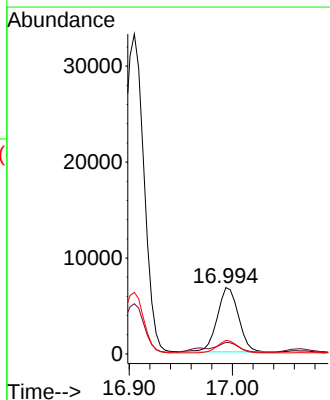
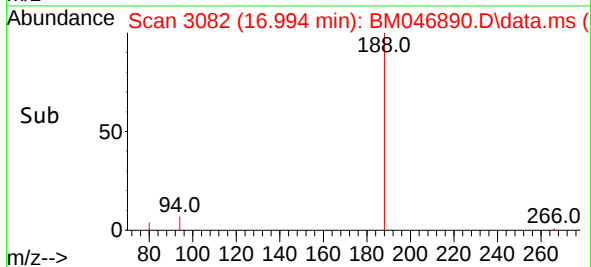
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024

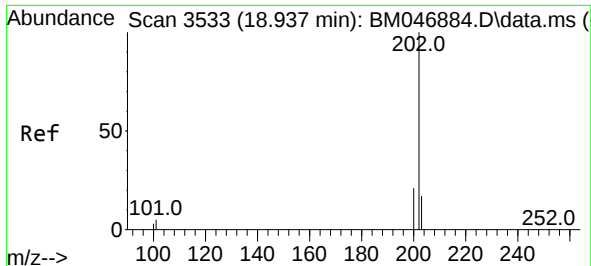


#16  
Anthracene  
Concen: 0.268 ng/ul  
RT: 16.994 min Scan# 3082  
Delta R.T. -0.013 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08



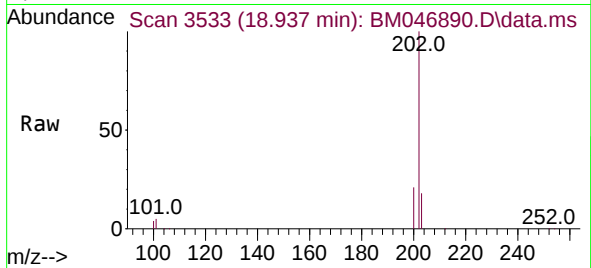
Tgt Ion:178 Resp: 9630  
Ion Ratio Lower Upper  
178 100  
179 17.2 13.1 19.7  
176 20.4 15.0 22.6





#19  
Fluoranthene  
Concen: 2.188 ng/ul  
RT: 18.937 min Scan# 3533  
Delta R.T. -0.005 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

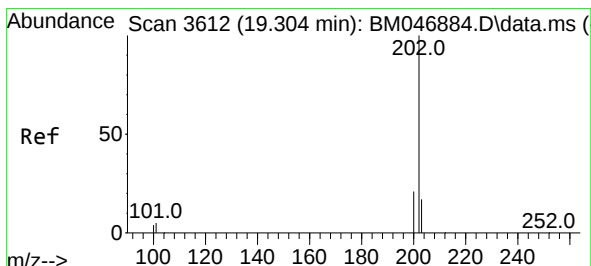
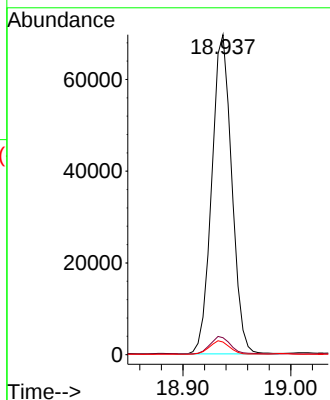
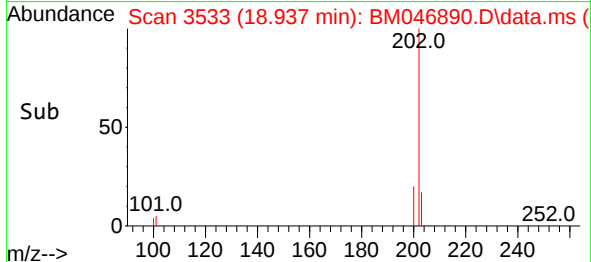
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL



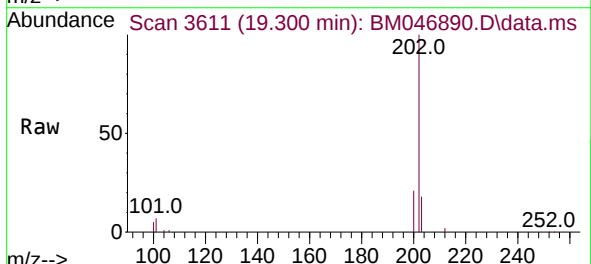
Tgt Ion:202 Resp: 89570  
Ion Ratio Lower Upper  
202 100  
101 5.3 4.7 7.1  
100 4.0 3.4 5.2

Manual Integrations  
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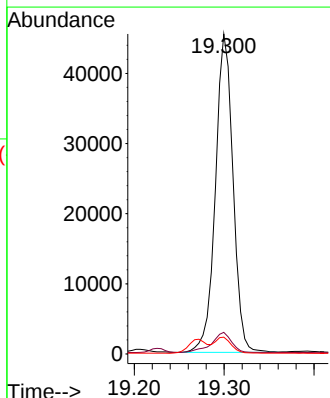
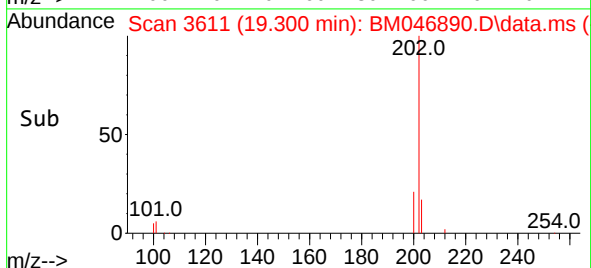
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024

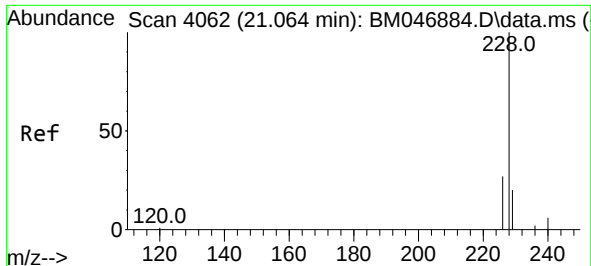


#20  
Pyrene  
Concen: 1.455 ng/ul  
RT: 19.300 min Scan# 3611  
Delta R.T. -0.005 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08



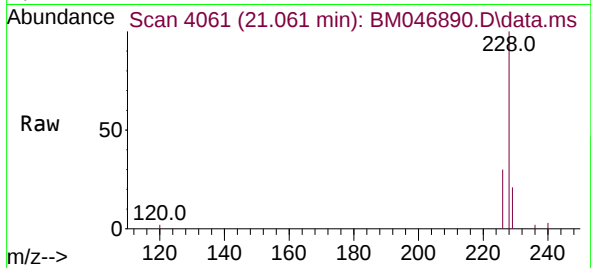
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Ion Ratio Lower Upper  
202 100  
101 6.7 5.2 7.8  
100 5.3 4.3 6.5





#21  
Benzo(a)anthracene  
Concen: 0.966 ng/ul  
RT: 21.061 min Scan# 4061  
Delta R.T. -0.003 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

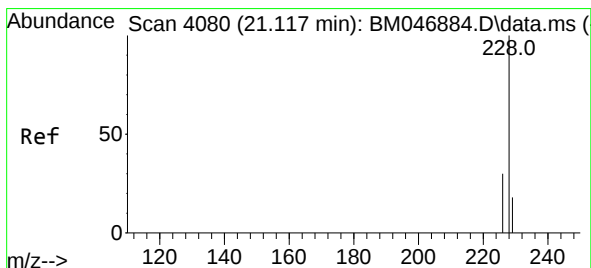
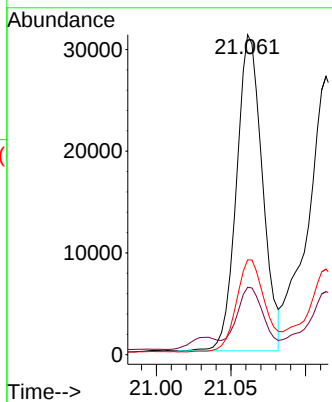
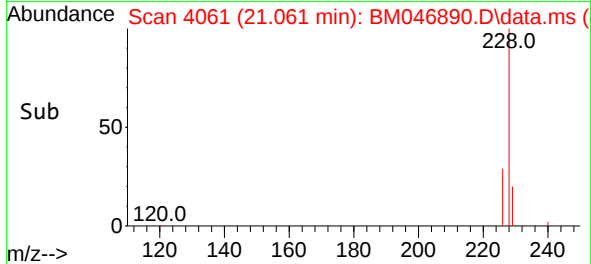
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL



Tgt Ion:228 Resp: 3750  
Ion Ratio Lower Upper  
228 100  
229 21.1 16.3 24.5  
226 29.6 22.3 33.5

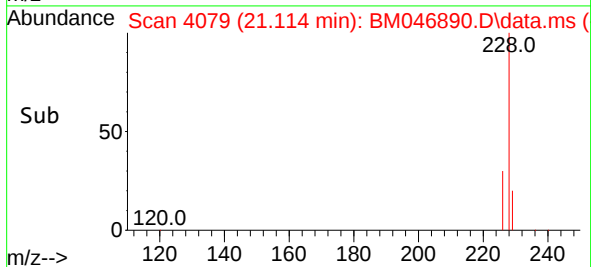
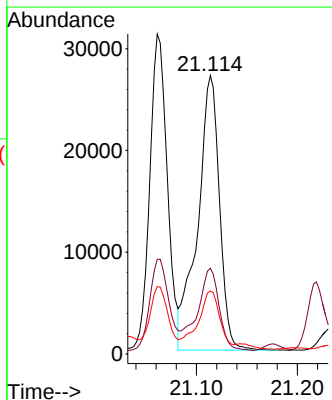
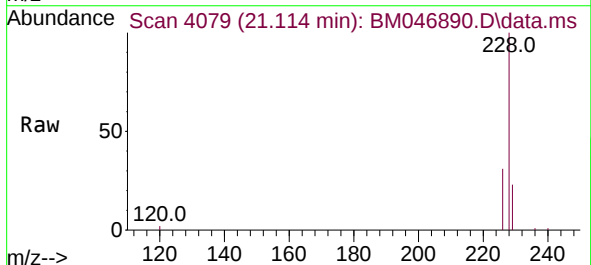
Manual Integrations  
APPROVED

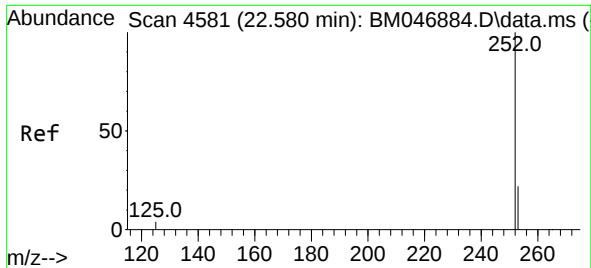
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024



#22  
Chrysene  
Concen: 1.029 ng/ul  
RT: 21.114 min Scan# 4079  
Delta R.T. -0.003 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

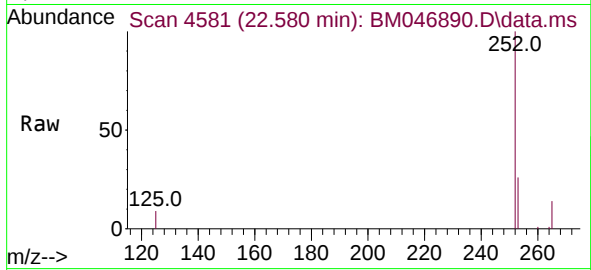
Tgt Ion:228 Resp: 40583  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.5 36.7  
229 22.7 16.2 24.2





#24  
Benzo(b)fluoranthene  
Concen: 1.251 ng/ul m  
RT: 22.580 min Scan# 4581  
Delta R.T. 0.000 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

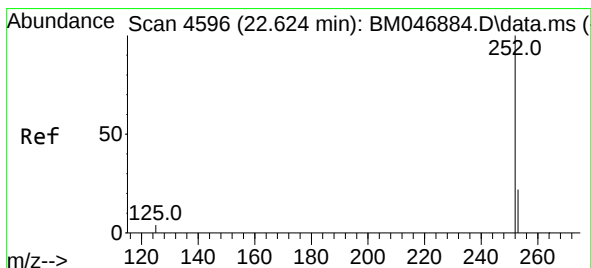
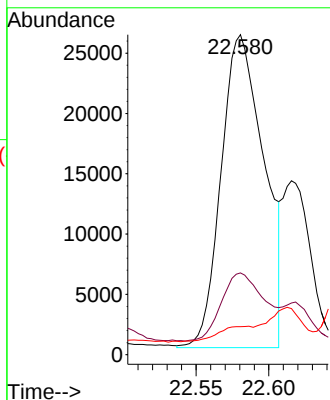
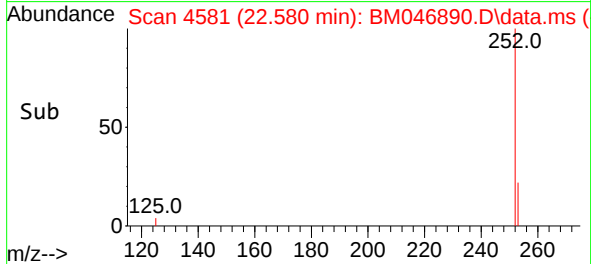
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL



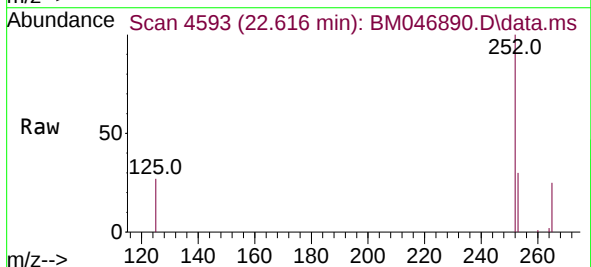
Tgt Ion:252 Resp: 53340  
Ion Ratio Lower Upper  
252 100  
253 25.5 0.0 56.4  
125 8.8 0.0 15.8

Manual Integrations  
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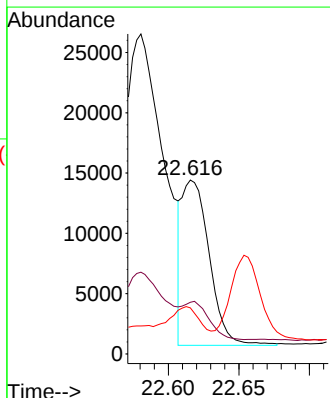
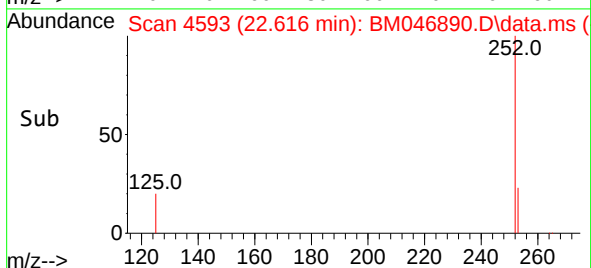
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024

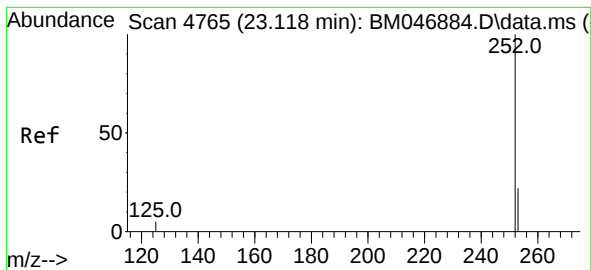


#25  
Benzo(k)fluoranthene  
Concen: 0.430 ng/ul m  
RT: 22.616 min Scan# 4593  
Delta R.T. -0.006 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08



Tgt Ion:252 Resp: 18469  
Ion Ratio Lower Upper  
252 100  
253 29.7 23.5 35.3  
125 26.5 8.6 13.0#





#26

Benzo(a)pyrene

Concen: 0.576 ng/ul

RT: 23.113 min Scan# 4765

Delta R.T. -0.006 min

Lab File: BM046890.D

Acq: 29 Jul 2024 19:08

Instrument :

BNM\_M

ClientSampleId :

A4CK3DL

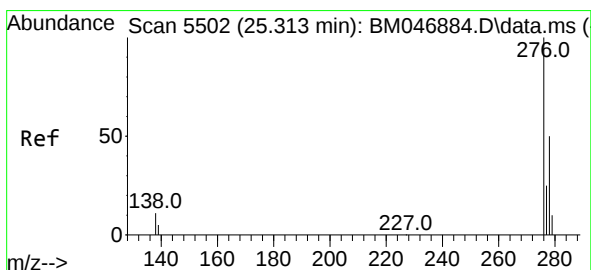
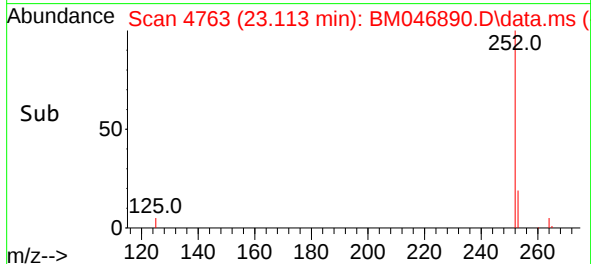
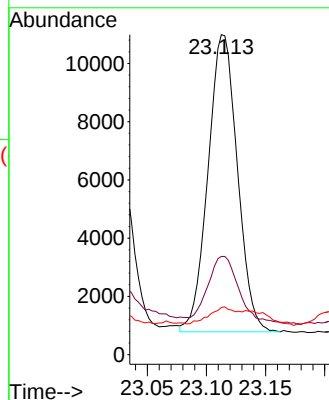
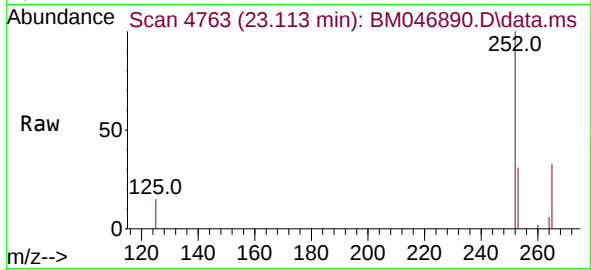
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1764 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 30.7  | 26.0  | 39.0 |
| 125       | 14.8  | 7.8   | 11.8 |

Manual Integrations

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Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 08/03/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.384 ng/ul

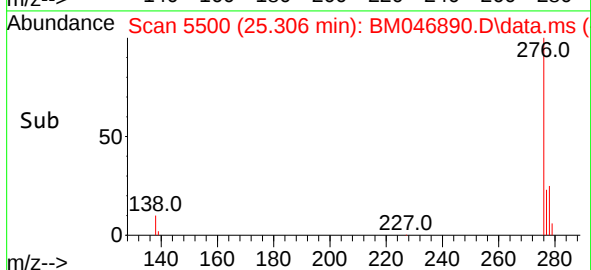
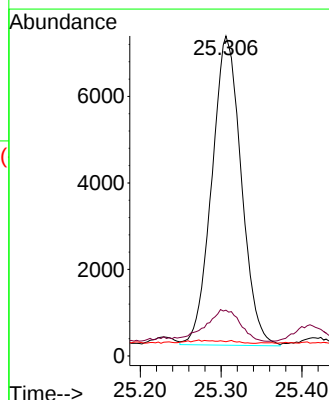
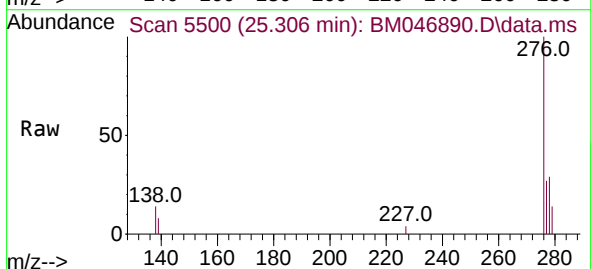
RT: 25.306 min Scan# 5500

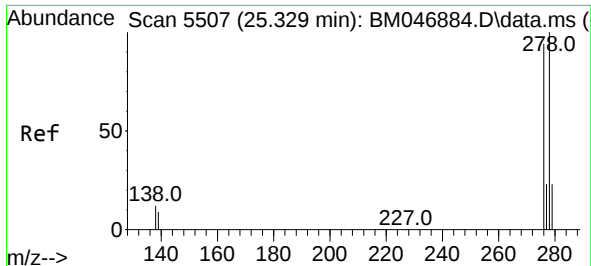
Delta R.T. -0.010 min

Lab File: BM046890.D

Acq: 29 Jul 2024 19:08

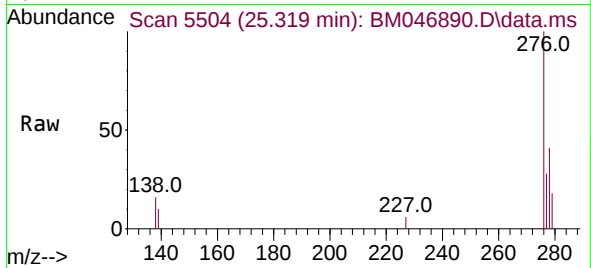
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 18087 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 11.9  | 9.7   | 14.5  |
| 227       | 0.3   | 0.2   | 0.2   |





#28  
Dibenzo(a,h)anthracene  
Concen: 0.181 ng/ul  
RT: 25.319 min Scan# 5507  
Delta R.T. -0.013 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08

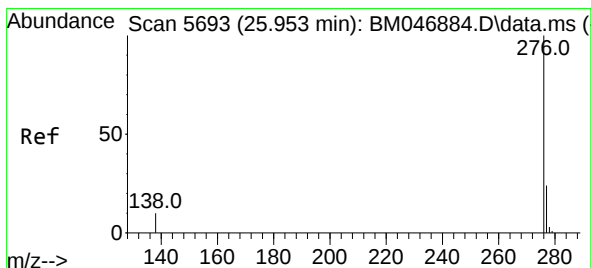
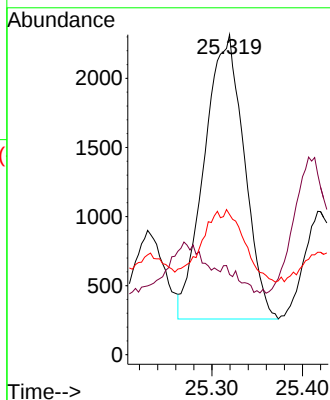
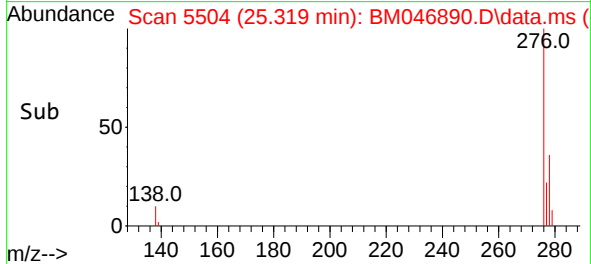
Instrument :  
BNA\_M  
ClientSampleId :  
A4CK3DL



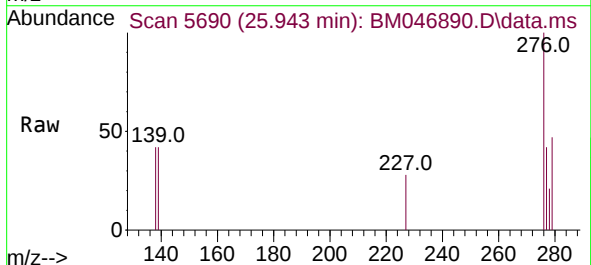
Tgt Ion:278 Resp: 625  
Ion Ratio Lower Upper  
278 100  
139 25.1 9.8 14.8  
279 43.8 25.2 37.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.066 ng/ul  
RT: 25.943 min Scan# 5690  
Delta R.T. -0.010 min  
Lab File: BM046890.D  
Acq: 29 Jul 2024 19:08



Tgt Ion:276 Resp: 2720  
Ion Ratio Lower Upper  
276 100  
138 41.8 9.5 14.3#  
277 42.1 20.9 31.3#

