

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072023\  
 Data File : BM040996.D  
 Acq On : 21 Jul 2023 00:48  
 Operator : MA/JU  
 Sample : 03444-07  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46Q1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023  
 Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 21 01:47:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 20 05:08:42 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.862  | 152  | 3922     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.669 | 136  | 12931    | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.518 | 164  | 9628     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.270 | 188  | 20009    | 0.400 | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.463 | 240  | 9630     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.854 | 264  | 12243    | 0.400 | ng/ul  | #-0.02   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.275  | 96   | 37872    | 5.873 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.264 | 152  | 9778     | 0.567 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.301 | 212  | 11882    | 0.293 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.719 | 128  | 5110     | 0.144 | ng/ul# | 95       |
| 7) 2-Methylnaphthalene      | 12.341 | 142  | 2552     | 0.132 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.561 | 142  | 1639     | 0.079 | ng/ul  | 95       |
| 10) Acenaphthylene          | 14.236 | 152  | 6737     | 0.167 | ng/ul# | 89       |
| 11) Acenaphthene            | 14.578 | 153  | 3457m    | 0.097 | ng/ul  |          |
| 12) Fluorene                | 15.568 | 166  | 2652     | 0.072 | ng/ul# | 90       |
| 15) Phenanthrene            | 17.312 | 178  | 39734    | 0.664 | ng/ul  | 99       |
| 16) Anthracene              | 17.405 | 178  | 6599     | 0.142 | ng/ul# | 93       |
| 19) Fluoranthene            | 19.334 | 202  | 74155    | 1.491 | ng/ul  | 96       |
| 20) Pyrene                  | 19.696 | 202  | 73048    | 1.438 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.445 | 228  | 30490    | 1.039 | ng/ul  | 96       |
| 22) Chrysene                | 21.498 | 228  | 37057    | 1.105 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.126 | 252  | 45550    | 0.969 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.167 | 252  | 17469m   | 0.391 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.746 | 252  | 33841    | 0.834 | ng/ul# | 82       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.317 | 276  | 25426    | 0.472 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.334 | 278  | 5841     | 0.143 | ng/ul# | 88       |
| 29) Benzo(g,h,i)perylene    | 27.082 | 276  | 27132    | 0.545 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

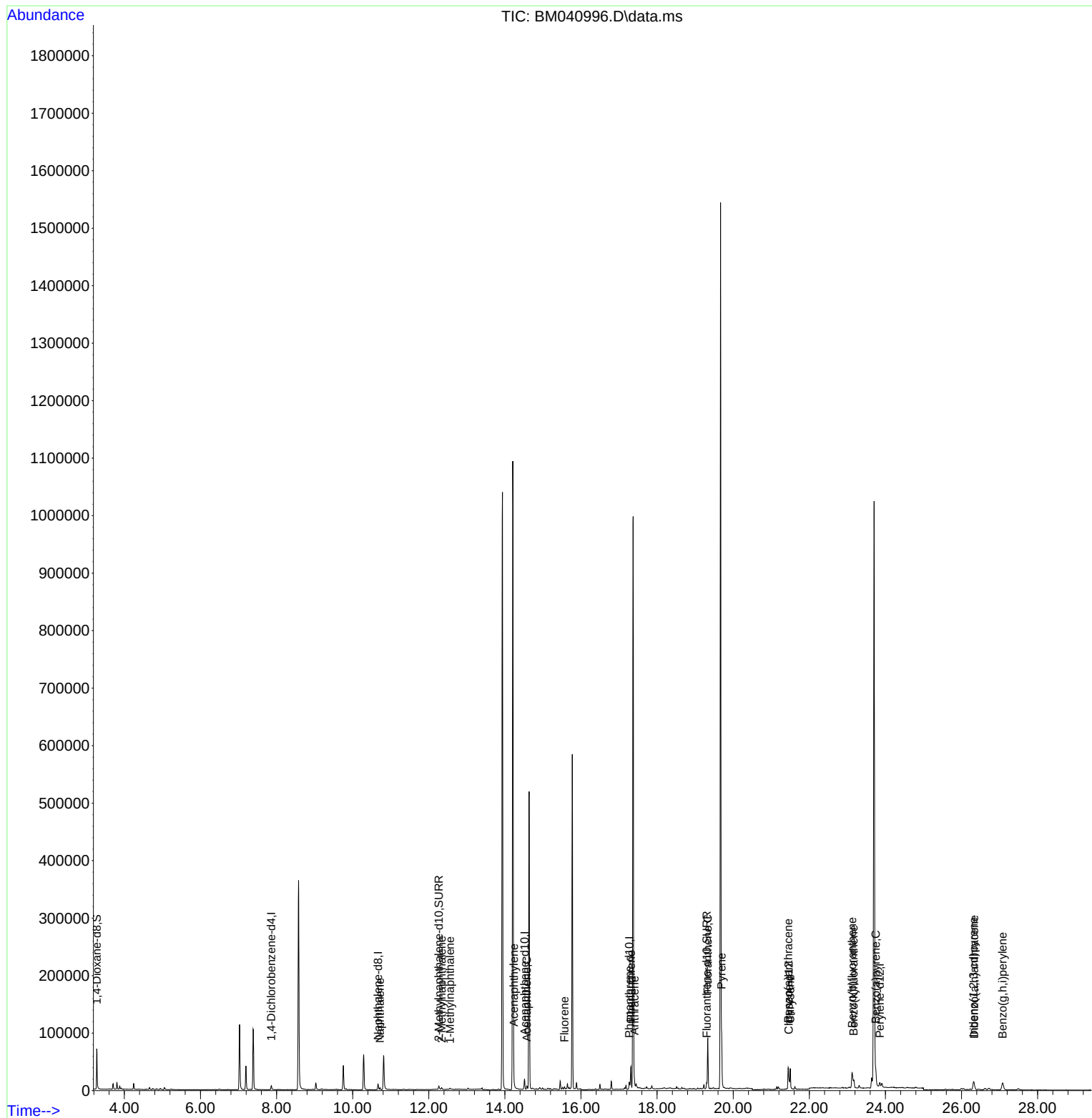
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072023\  
Data File : BM040996.D  
Acq On : 21 Jul 2023 00:48  
Operator : MA/JU  
Sample : 03444-07  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

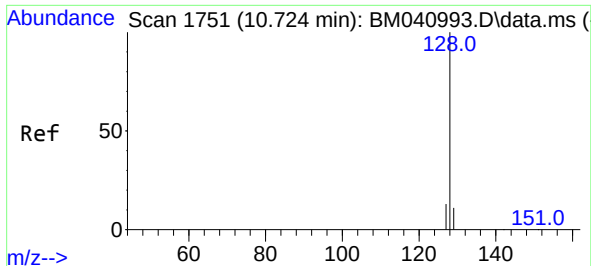
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023

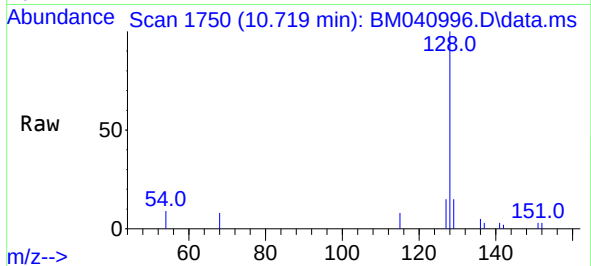
Quant Time: Jul 21 01:47:43 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 20 05:08:42 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.144 ng/u1  
RT: 10.719 min Scan# 1750  
Delta R.T. -0.011 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

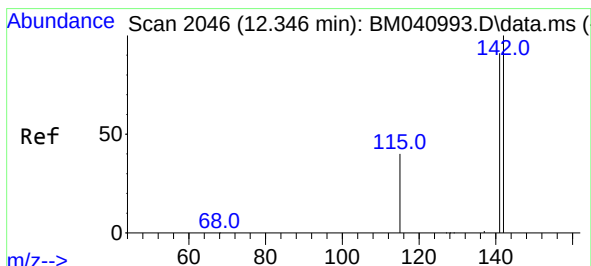
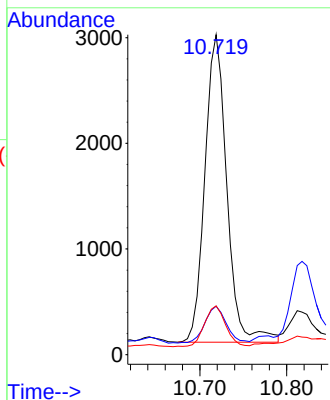
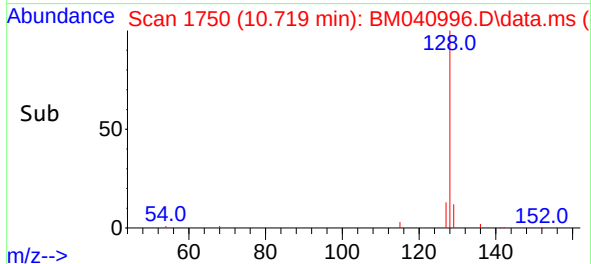
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



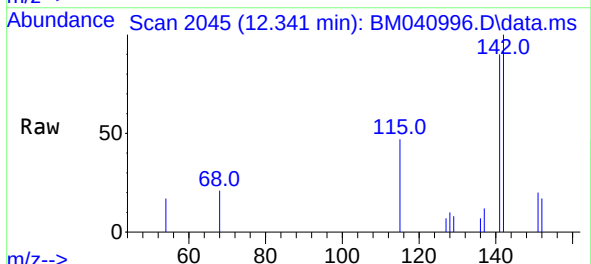
Tgt Ion:128 Resp: 5110  
Ion Ratio Lower Upper  
128 100  
129 15.1 9.8 14.8  
127 15.3 11.0 16.4

Manual Integrations  
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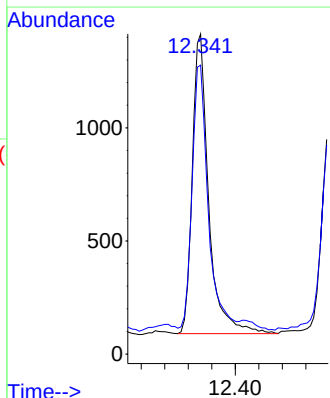
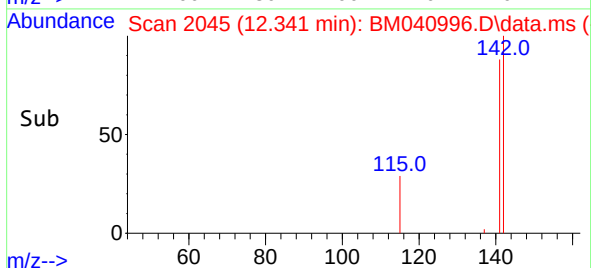
Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023

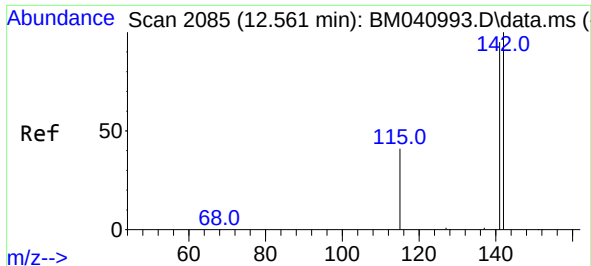


#7  
2-Methylnaphthalene  
Concen: 0.132 ng/u1  
RT: 12.341 min Scan# 2045  
Delta R.T. -0.011 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48



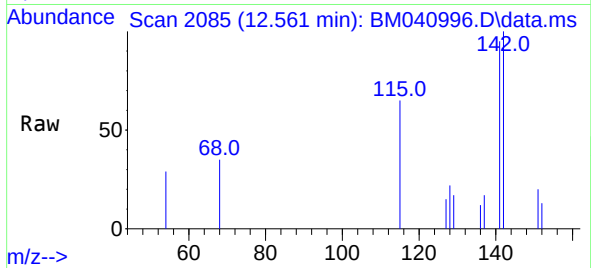
Tgt Ion:142 Resp: 2552  
Ion Ratio Lower Upper  
142 100  
141 90.4 73.2 109.8





#8  
1-Methylnaphthalene  
Concen: 0.079 ng/ul  
RT: 12.561 min Scan# 2085  
Delta R.T. -0.005 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

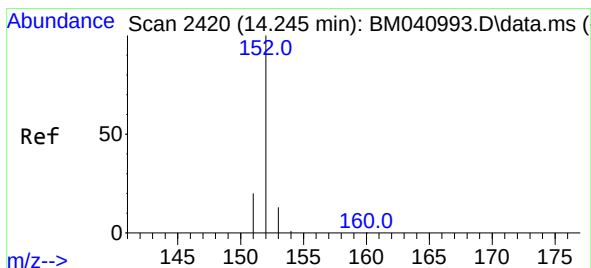
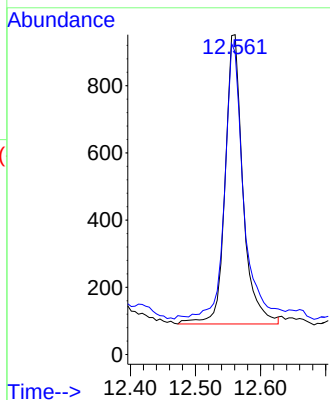
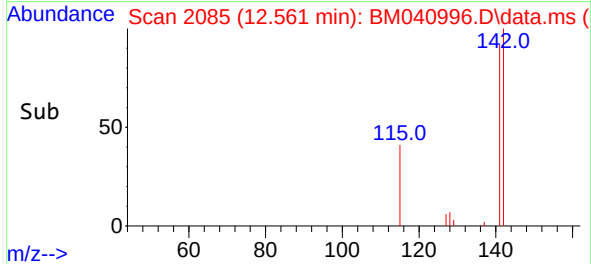
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



Tgt Ion:142 Resp: 1639  
Ion Ratio Lower Upper  
142 100  
141 96.8 73.4 110.2

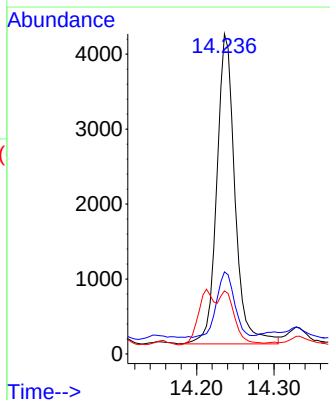
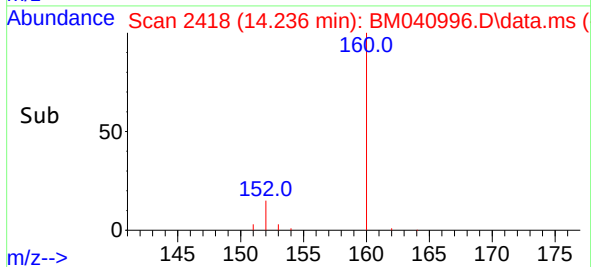
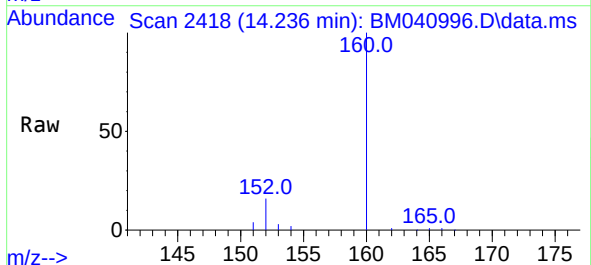
Manual Integrations  
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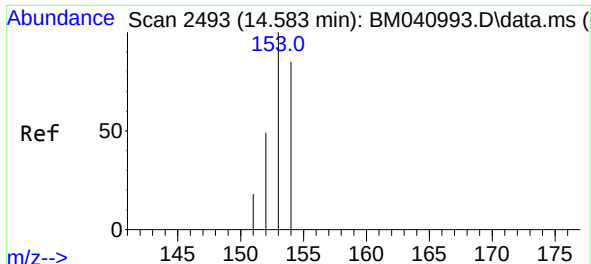
Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023



#10  
Acenaphthylene  
Concen: 0.167 ng/ul  
RT: 14.236 min Scan# 2418  
Delta R.T. -0.014 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

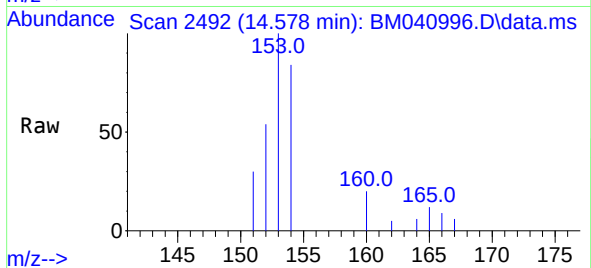
Tgt Ion:152 Resp: 6737  
Ion Ratio Lower Upper  
152 100  
151 25.6 16.8 25.2#  
153 19.7 11.6 17.4#





#11  
Acenaphthene  
Concen: 0.097 ng/ul m  
RT: 14.578 min Scan# 2492  
Delta R.T. -0.009 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

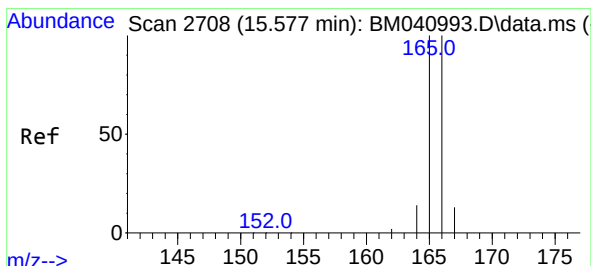
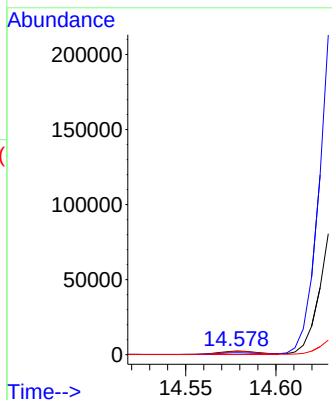
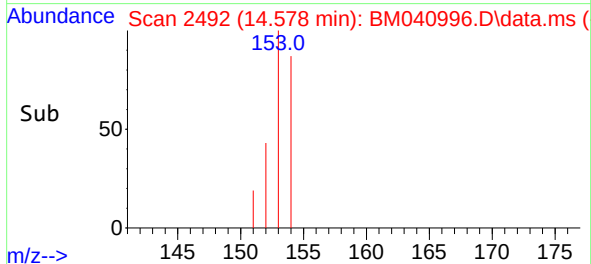
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



Tgt Ion:153 Resp: 345  
Ion Ratio Lower Upper  
153 100  
152 53.7 41.0 61.6  
154 84.1 68.2 102.2

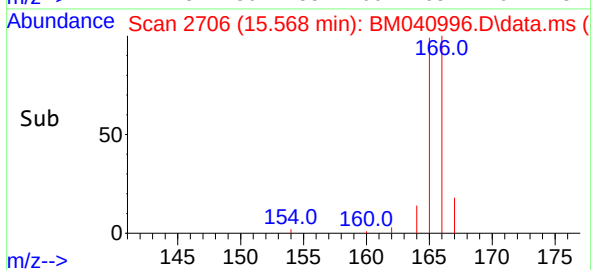
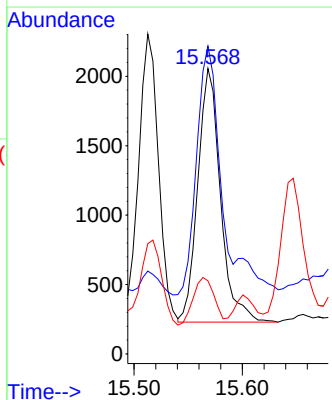
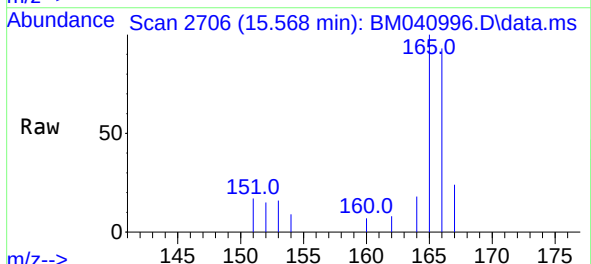
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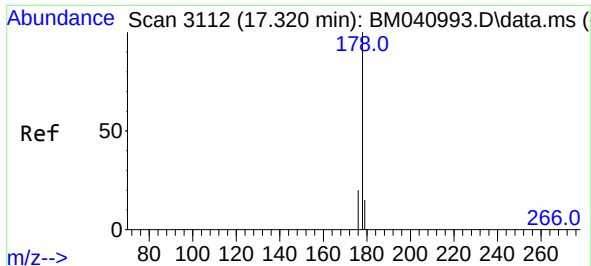
Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023



#12  
Fluorene  
Concen: 0.072 ng/ul  
RT: 15.568 min Scan# 2706  
Delta R.T. -0.014 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

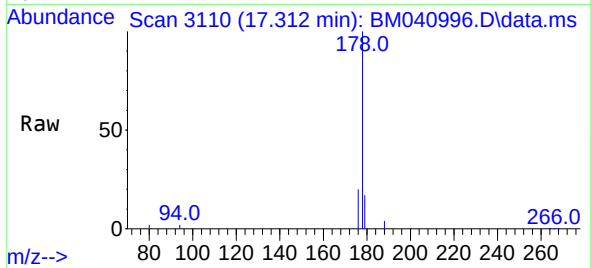
Tgt Ion:166 Resp: 2652  
Ion Ratio Lower Upper  
166 100  
165 107.9 80.3 120.5  
167 25.6 11.7 17.5#





#15  
Phenanthrene  
Concen: 0.664 ng/ul  
RT: 17.312 min Scan# 3112  
Delta R.T. -0.012 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

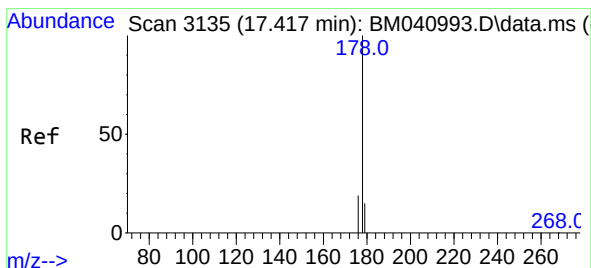
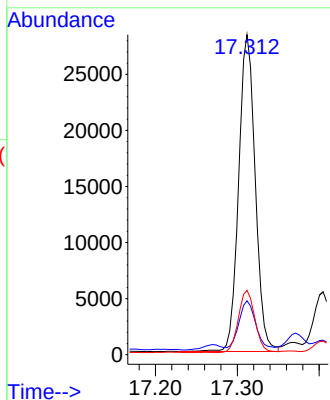
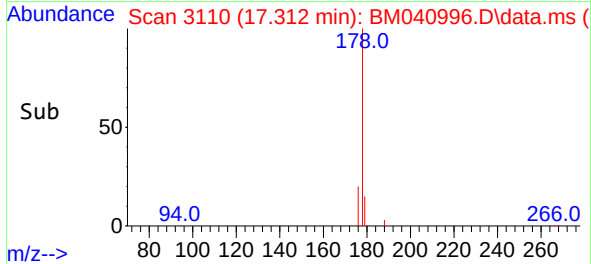
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



Tgt Ion:178 Resp: 39734  
Ion Ratio Lower Upper  
178 100  
179 16.9 13.0 19.6  
176 20.1 16.2 24.4

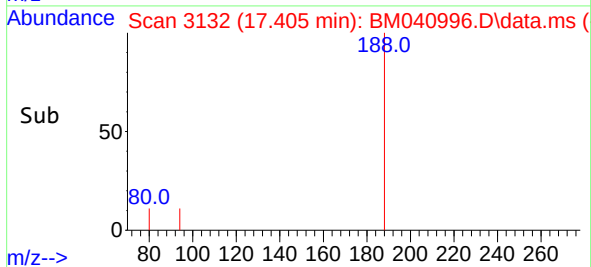
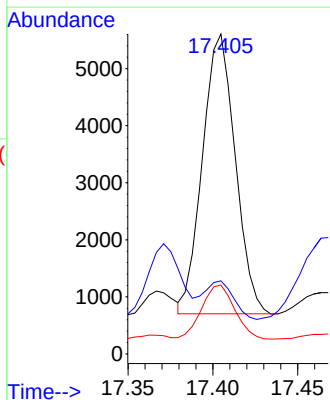
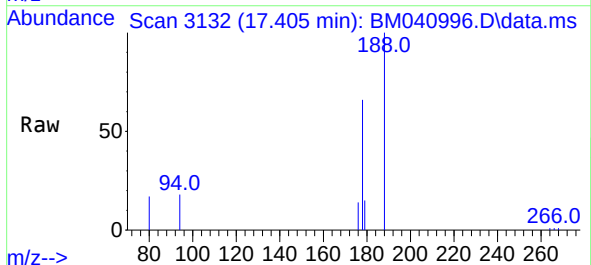
Manual Integrations  
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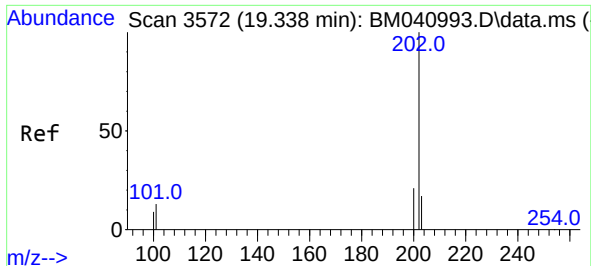
Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023



#16  
Anthracene  
Concen: 0.142 ng/ul  
RT: 17.405 min Scan# 3132  
Delta R.T. -0.017 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

Tgt Ion:178 Resp: 6599  
Ion Ratio Lower Upper  
178 100  
179 22.9 13.7 20.5#  
176 21.5 16.4 24.6





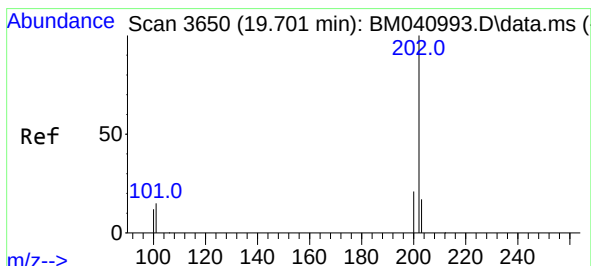
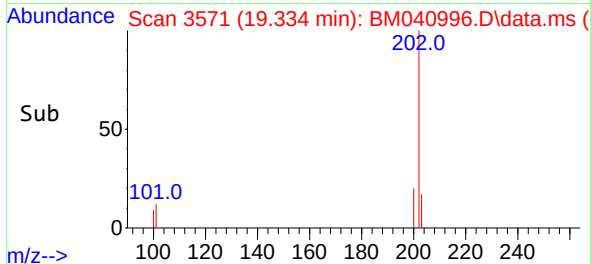
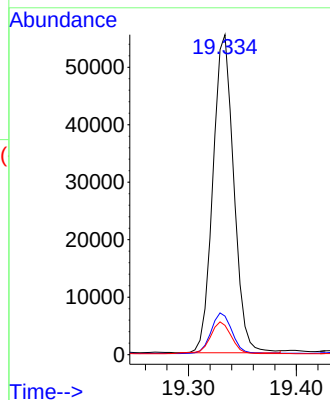
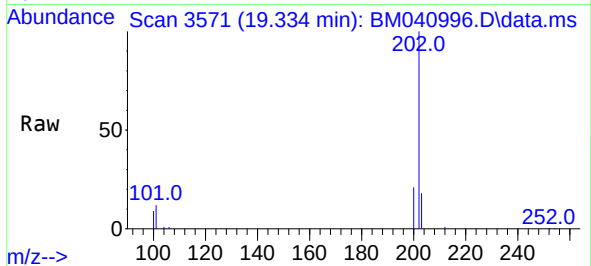
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Fluoranthene  
Concen: 1.491 ng/ul  
RT: 19.334 min Scan# 3572  
Delta R.T. -0.009 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1

Tgt Ion:202 Resp: 7415  
Ion Ratio Lower Upper  
202 100  
101 12.1 11.0 16.4  
100 9.2 8.3 12.5

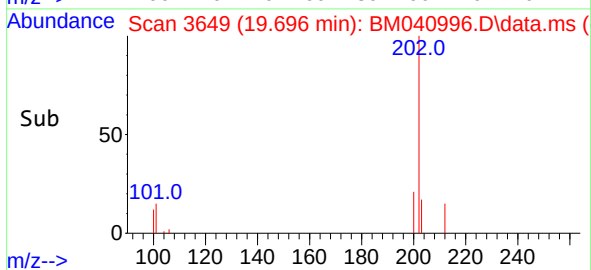
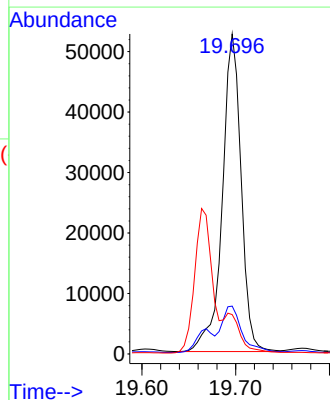
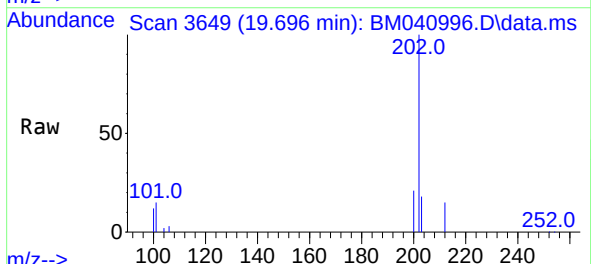
Manual Integrations  
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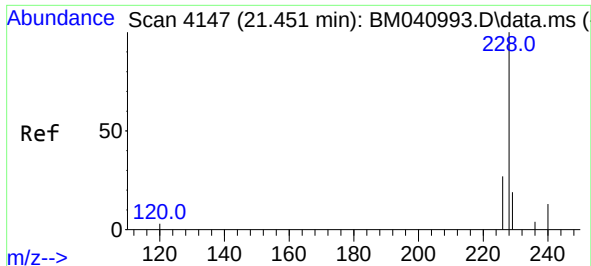
Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023



#20  
Pyrene  
Concen: 1.438 ng/ul  
RT: 19.696 min Scan# 3649  
Delta R.T. -0.009 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

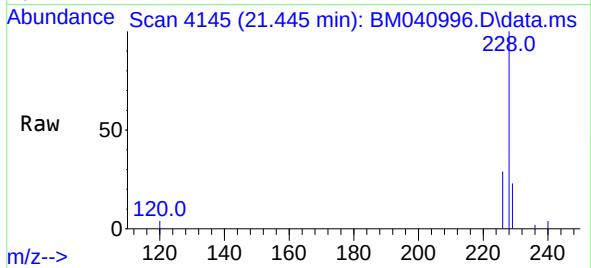
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Ion Ratio Lower Upper  
202 100  
101 14.9 12.5 18.7  
100 12.3 10.0 15.0





#21  
Benzo(a)anthracene  
Concen: 1.039 ng/u1  
RT: 21.445 min Scan# 4145  
Delta R.T. -0.012 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

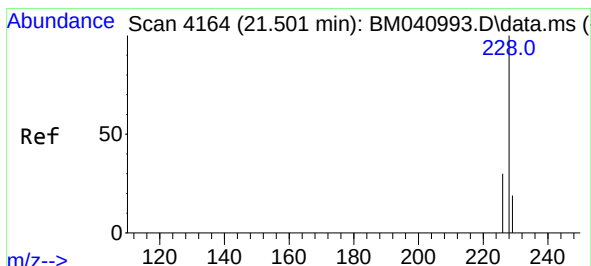
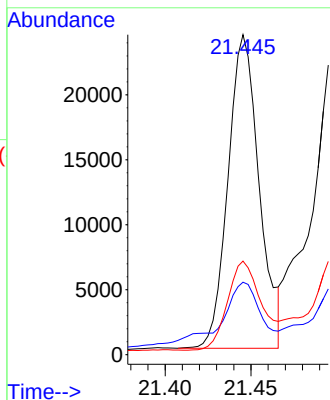
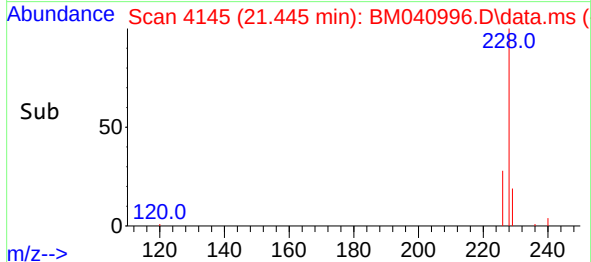
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



Tgt Ion:228 Resp: 30490  
Ion Ratio Lower Upper  
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229 22.7 16.2 24.4  
226 29.3 22.3 33.5

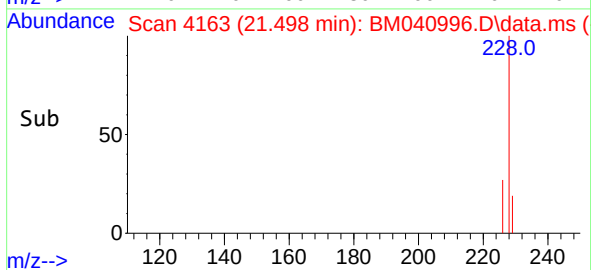
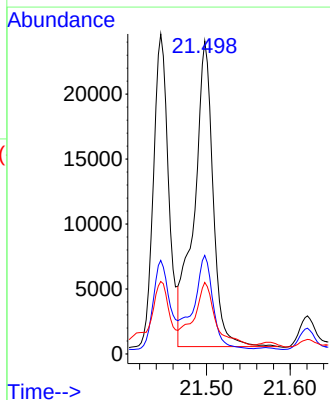
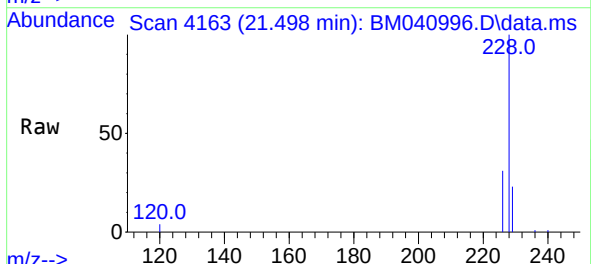
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 07/21/2023

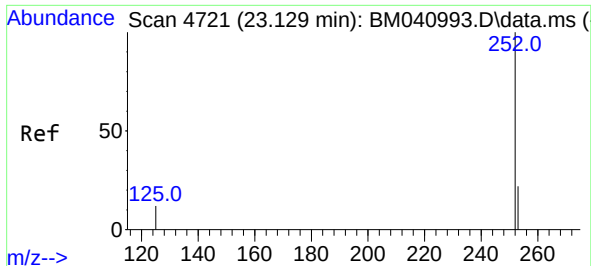


#22  
Chrysene  
Concen: 1.105 ng/u1  
RT: 21.498 min Scan# 4163  
Delta R.T. -0.009 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

Tgt Ion:228 Resp: 37057  
Ion Ratio Lower Upper  
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229 22.8 16.1 24.1

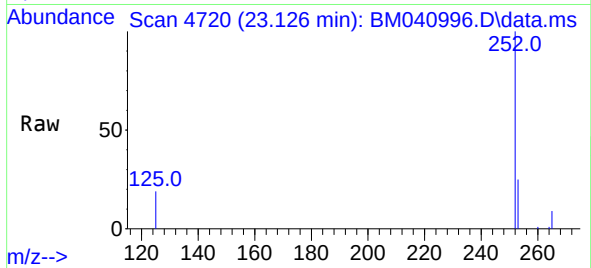






#24  
Benzo(b)fluoranthene  
Concen: 0.969 ng/ul  
RT: 23.126 min Scan# 4720  
Delta R.T. -0.009 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

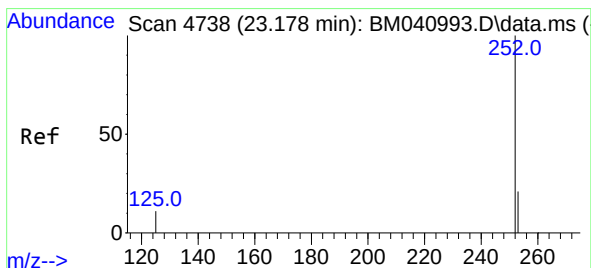
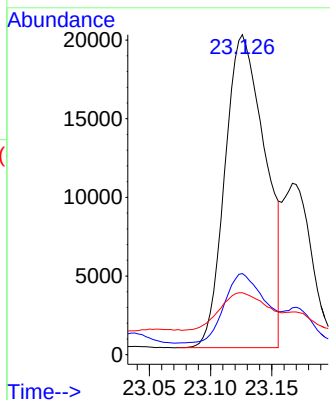
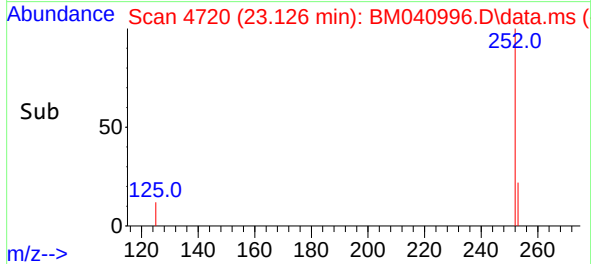
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



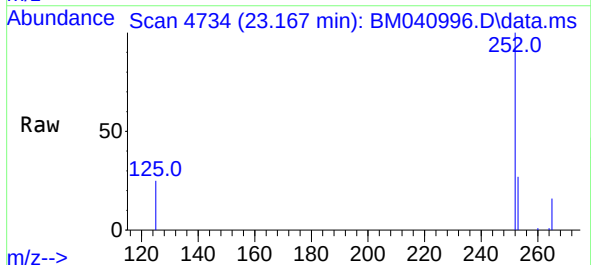
Tgt Ion:252 Resp: 45550  
Ion Ratio Lower Upper  
252 100  
253 25.3 0.0 57.4  
125 19.4 0.0 45.2

Manual Integrations  
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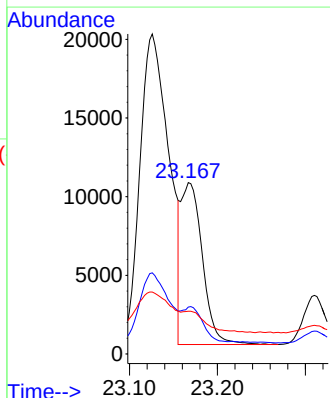
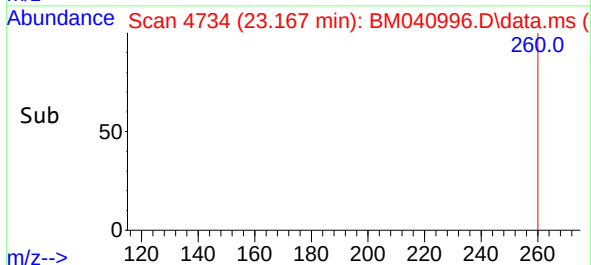
Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023

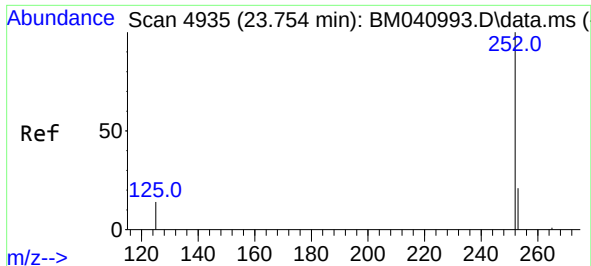


#25  
Benzo(k)fluoranthene  
Concen: 0.391 ng/ul m  
RT: 23.167 min Scan# 4734  
Delta R.T. -0.020 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48



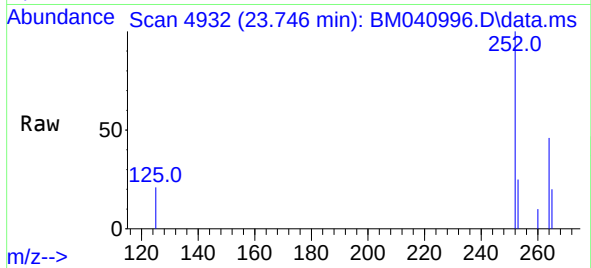
Tgt Ion:252 Resp: 17469  
Ion Ratio Lower Upper  
252 100  
253 27.4 23.3 34.9  
125 24.9 18.2 27.2





#26  
Benzo(a)pyrene  
Concen: 0.834 ng/ul  
RT: 23.746 min Scan# 4932  
Delta R.T. -0.017 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

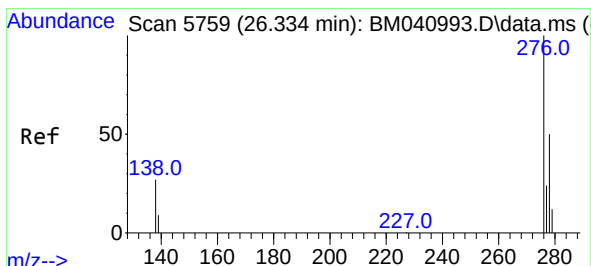
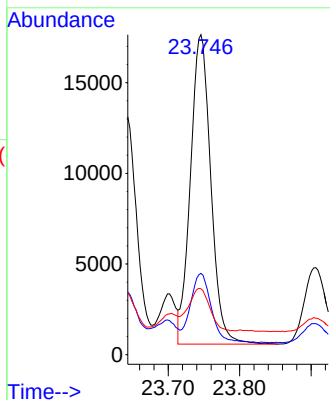
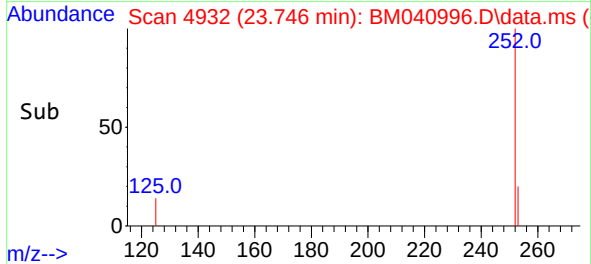
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



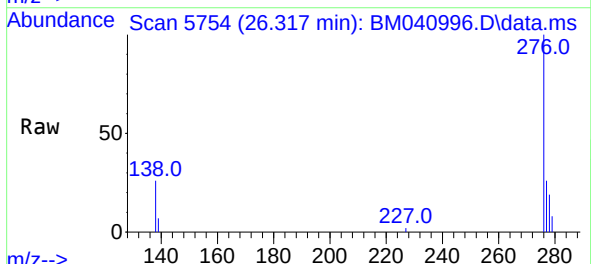
Tgt Ion:252 Resp: 3384  
Ion Ratio Lower Upper  
252 100  
253 25.4 28.2 42.2  
125 20.6 25.2 37.8

Manual Integrations  
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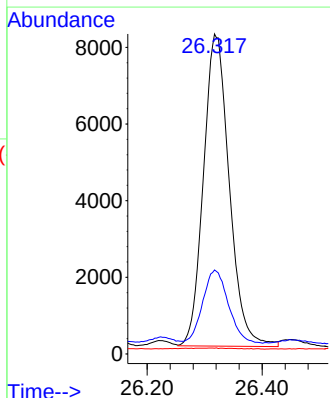
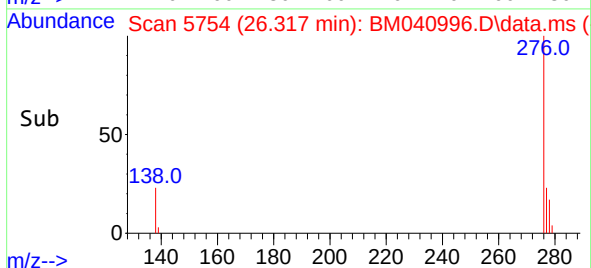
Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023

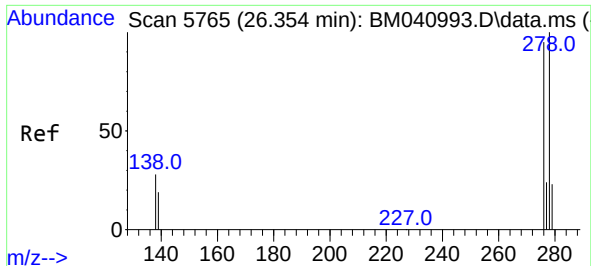


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.472 ng/ul  
RT: 26.317 min Scan# 5754  
Delta R.T. -0.033 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48



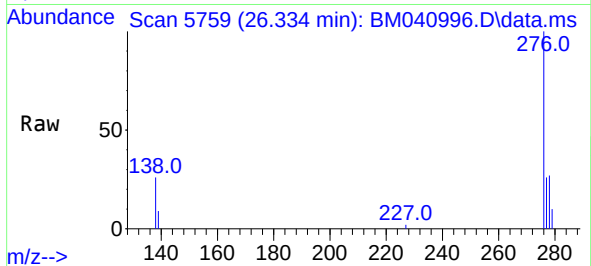
Tgt Ion:276 Resp: 25426  
Ion Ratio Lower Upper  
276 100  
138 23.3 22.3 33.5  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.143 ng/ul  
RT: 26.334 min Scan# 5759  
Delta R.T. -0.033 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48

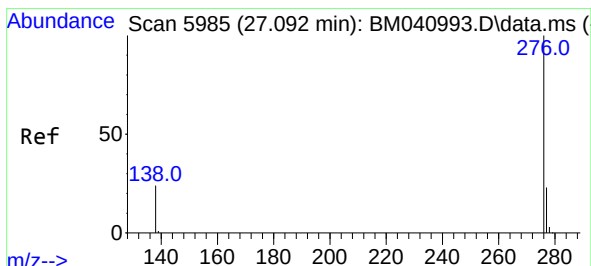
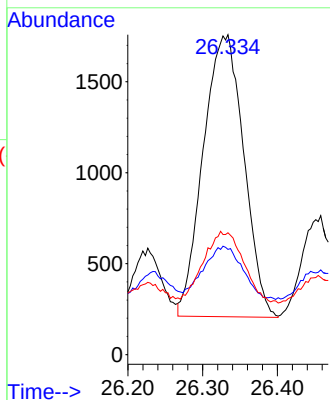
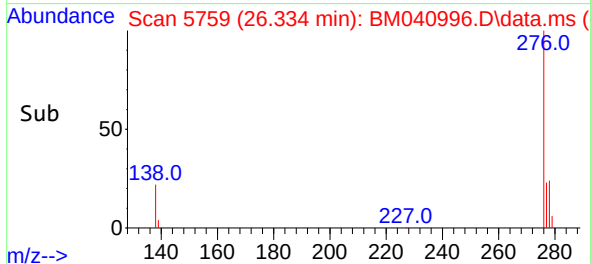
Instrument :  
BNA\_M  
ClientSampleId :  
A46Q1



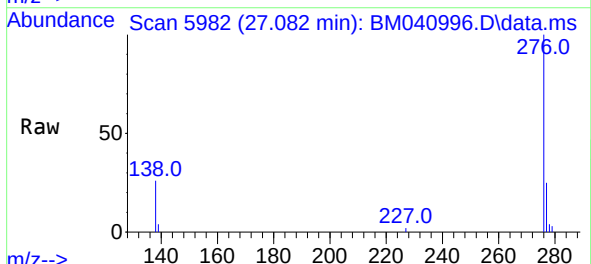
Tgt Ion:278 Resp: 584  
Ion Ratio Lower Upper  
278 100  
139 32.9 19.2 28.8  
279 38.1 27.0 40.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.545 ng/ul  
RT: 27.082 min Scan# 5982  
Delta R.T. -0.020 min  
Lab File: BM040996.D  
Acq: 21 Jul 2023 00:48



Tgt Ion:276 Resp: 27132  
Ion Ratio Lower Upper  
276 100  
138 26.2 22.6 34.0  
277 25.3 21.2 31.8

