

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062323\  
 Data File : BM040392.D  
 Acq On : 24 Jun 2023 01:21  
 Operator : MA/JU  
 Sample : 03084-08DL 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFM5DL

Quant Time: Jun 24 02:23:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 23 00:44:24 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/24/2023  
 Supervised By :mohammad ahmed 06/27/2023

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.949  | 152  | 9094     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.761 | 136  | 33980    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.591 | 164  | 16961    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.336 | 188  | 33109    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.512 | 240  | 20988    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.929 | 264  | 15865    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.333  | 96   | 7489     | 0.524 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.351 | 152  | 2029     | 0.043 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.361 | 212  | 3154     | 0.047 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.811 | 128  | 3482     | 0.037 | ng/ul# | 87       |
| 7) 2-Methylnaphthalene      | 12.422 | 142  | 1872     | 0.034 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.637 | 142  | 1286     | 0.023 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.313 | 152  | 3604     | 0.048 | ng/ul# | 89       |
| 15) Phenanthrene            | 17.374 | 178  | 14577    | 0.142 | ng/ul  | 98       |
| 16) Anthracene              | 17.467 | 178  | 2472     | 0.029 | ng/ul# | 83       |
| 19) Fluoranthene            | 19.389 | 202  | 38240    | 0.429 | ng/ul  | 97       |
| 20) Pyrene                  | 19.751 | 202  | 31433m   | 0.329 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.497 | 228  | 15861    | 0.223 | ng/ul  | 93       |
| 22) Chrysene                | 21.547 | 228  | 22387    | 0.276 | ng/ul  | 95       |
| 24) Benzo(b)fluoranthene    | 23.189 | 252  | 27197    | 0.443 | ng/ul  | 88       |
| 25) Benzo(k)fluoranthene    | 23.236 | 252  | 8735m    | 0.144 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.818 | 252  | 14198    | 0.257 | ng/ul# | 79       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.430 | 276  | 12954    | 0.168 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.444 | 278  | 3075     | 0.051 | ng/ul# | 41       |
| 29) Benzo(g,h,i)perylene    | 27.205 | 276  | 12665    | 0.188 | ng/ul  | 94       |
| -----                       |        |      |          |       |        |          |

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

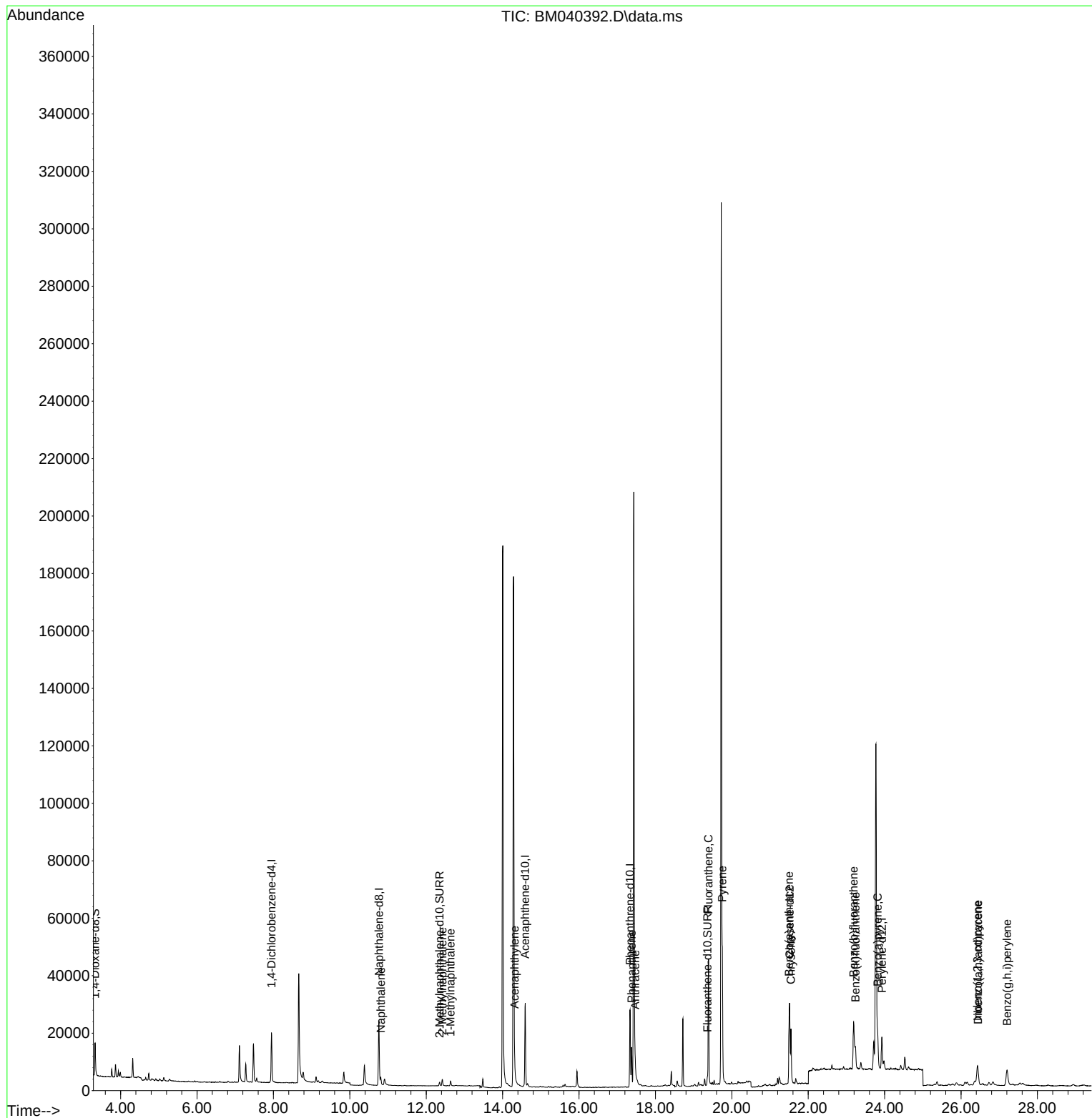
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Data File : BM040392.D  
Acq On : 24 Jun 2023 01:21  
Operator : MA/JU  
Sample : 03084-08DL 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

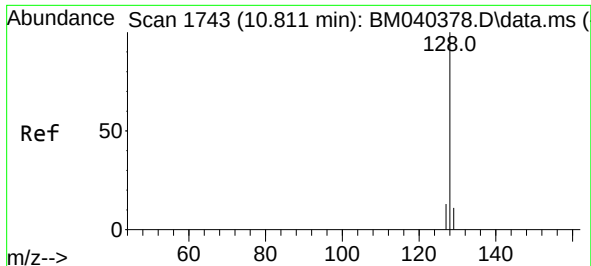
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL

Manual Integrations  
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Supervised By :mohammad ahmed 06/27/2023

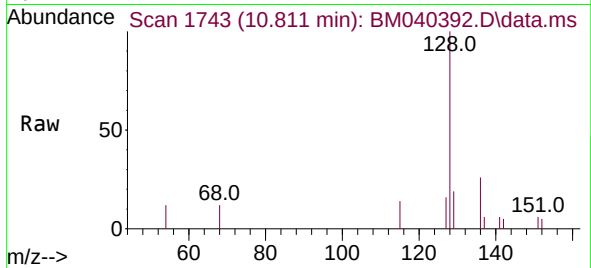
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 23 00:44:24 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.037 ng/ul  
RT: 10.811 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

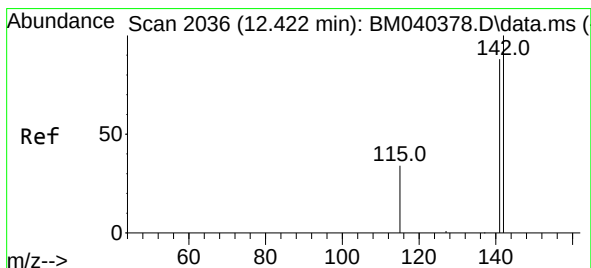
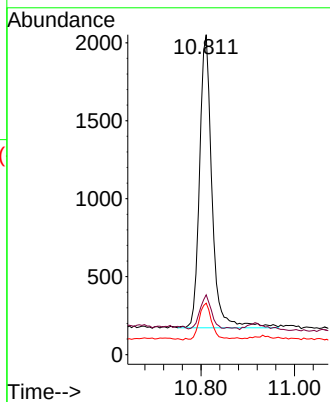
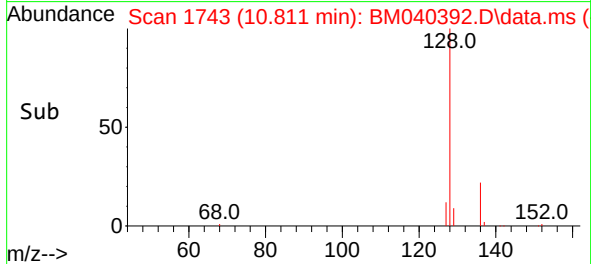
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



Tgt Ion:128 Resp: 3482  
Ion Ratio Lower Upper  
128 100  
129 18.7 9.2 13.8  
127 16.1 10.6 15.8

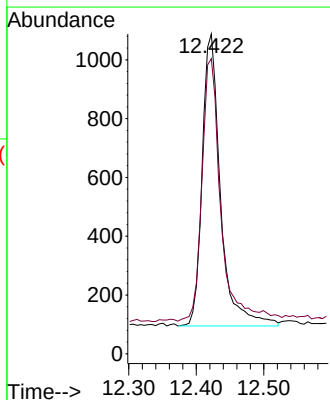
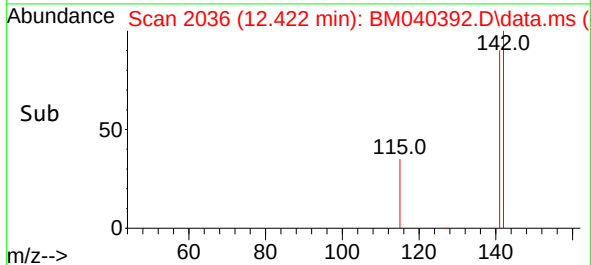
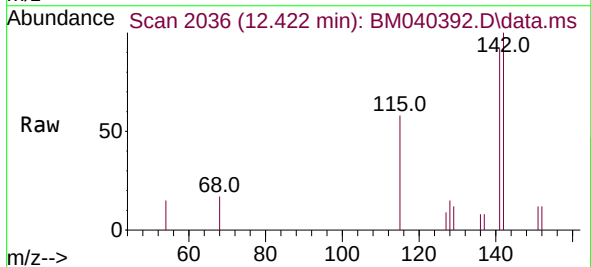
Manual Integrations  
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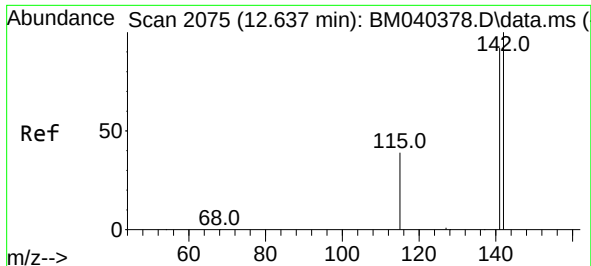
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/27/2023



#7  
2-Methylnaphthalene  
Concen: 0.034 ng/ul  
RT: 12.422 min Scan# 2036  
Delta R.T. -0.000 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

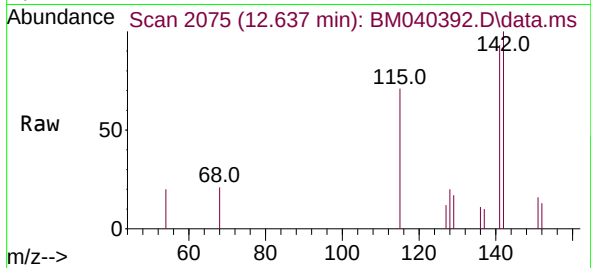
Tgt Ion:142 Resp: 1872  
Ion Ratio Lower Upper  
142 100  
141 92.8 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.023 ng/ul  
RT: 12.637 min Scan# 2075  
Delta R.T. -0.006 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

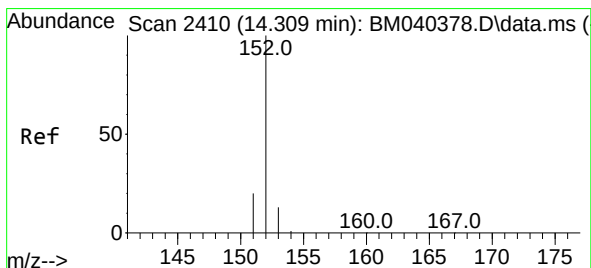
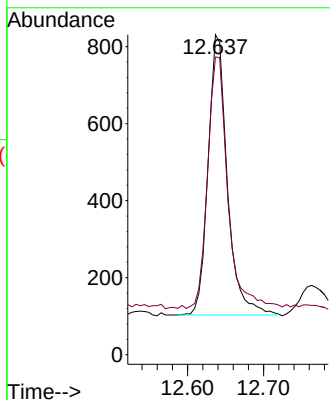
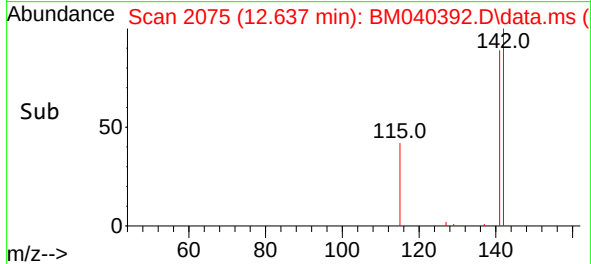
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



Tgt Ion:142 Resp: 1280  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.7 110.5

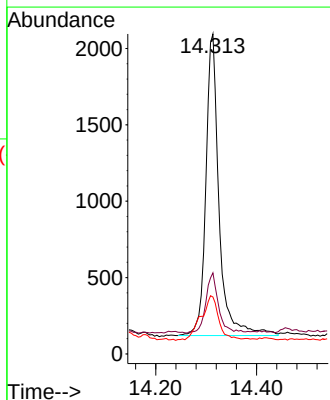
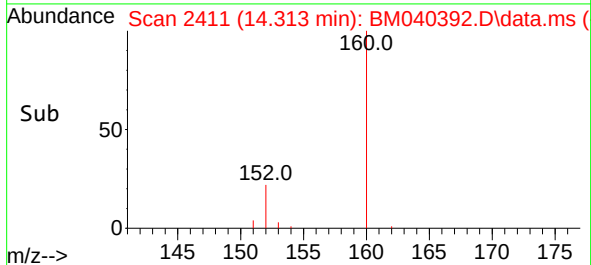
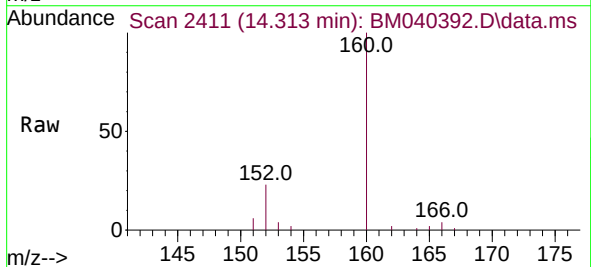
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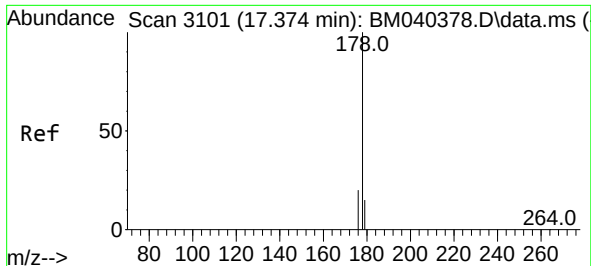
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/27/2023



#10  
Acenaphthylene  
Concen: 0.048 ng/ul  
RT: 14.313 min Scan# 2411  
Delta R.T. -0.000 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

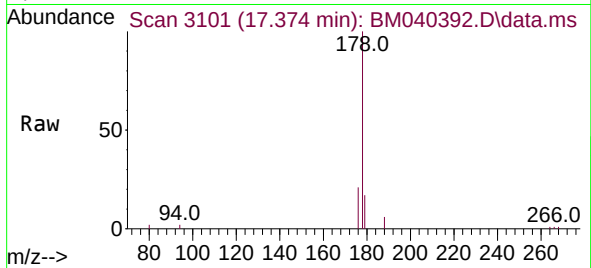
Tgt Ion:152 Resp: 3604  
Ion Ratio Lower Upper  
152 100  
151 25.3 16.2 24.2#  
153 17.8 10.9 16.3#





#15  
Phenanthrene  
Concen: 0.142 ng/ul  
RT: 17.374 min Scan# 3101  
Delta R.T. -0.004 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

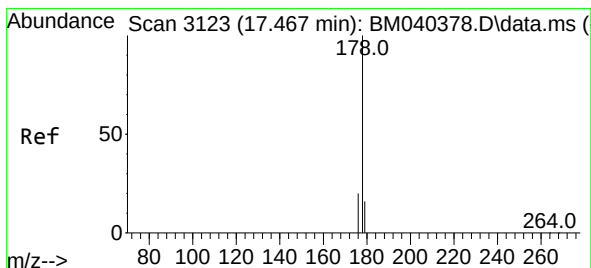
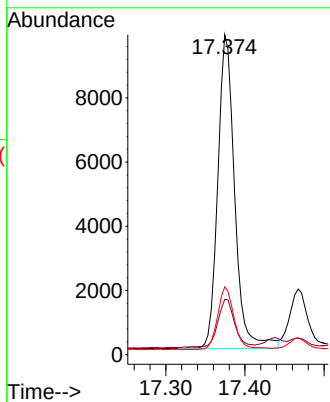
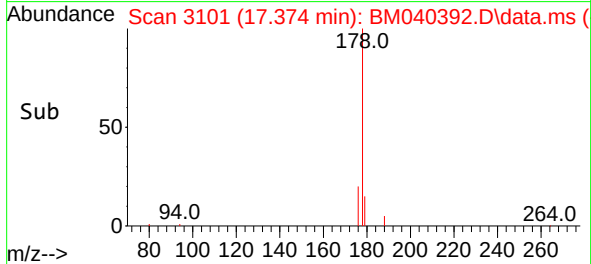
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



Tgt Ion:178 Resp: 1457  
Ion Ratio Lower Upper  
178 100  
179 17.2 12.8 19.2  
176 21.2 16.4 24.6

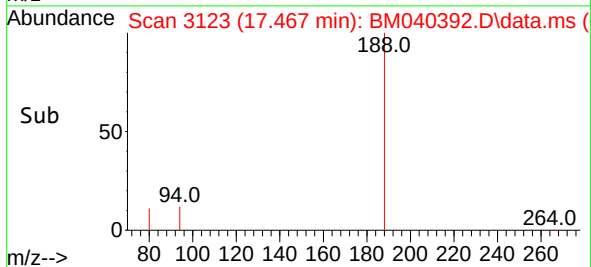
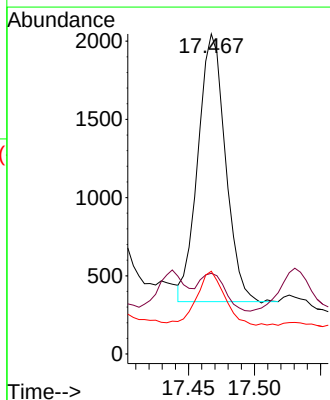
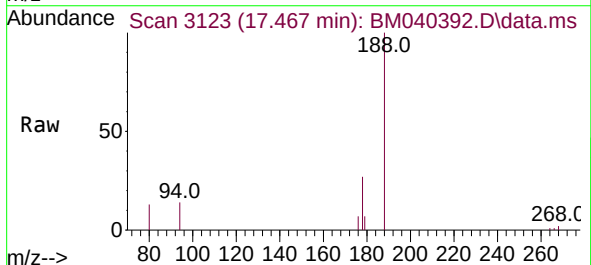
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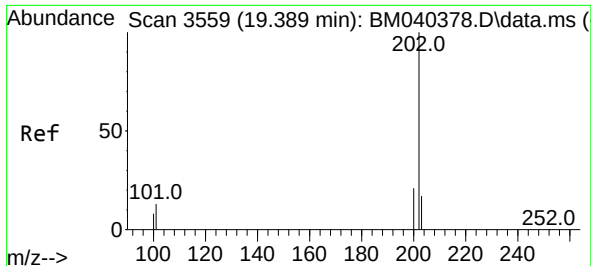
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/27/2023



#16  
Anthracene  
Concen: 0.029 ng/ul  
RT: 17.467 min Scan# 3123  
Delta R.T. -0.004 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

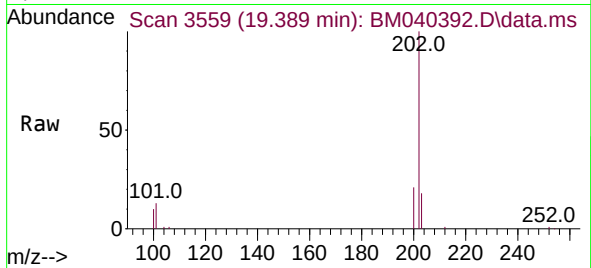
Tgt Ion:178 Resp: 2472  
Ion Ratio Lower Upper  
178 100  
179 25.2 12.9 19.3#  
176 25.9 15.8 23.6#





#19  
Fluoranthene  
Concen: 0.429 ng/ul  
RT: 19.389 min Scan# 3559  
Delta R.T. -0.000 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

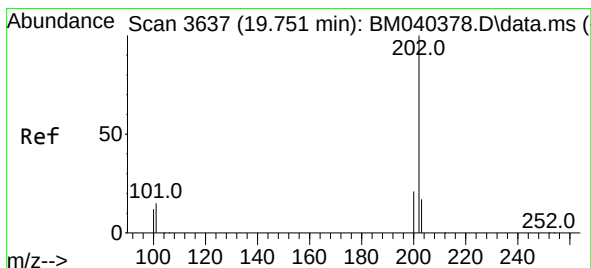
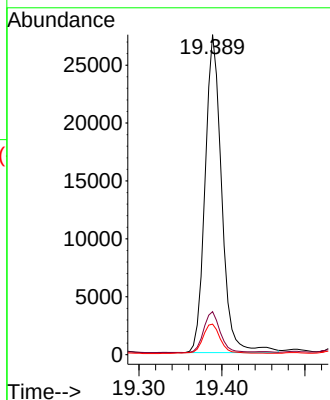
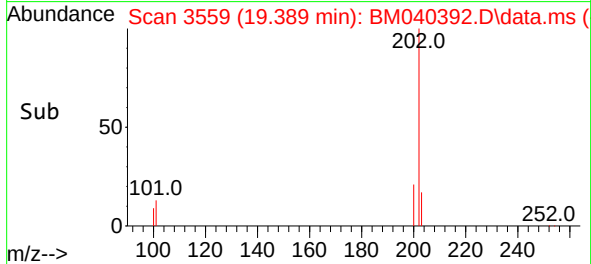
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



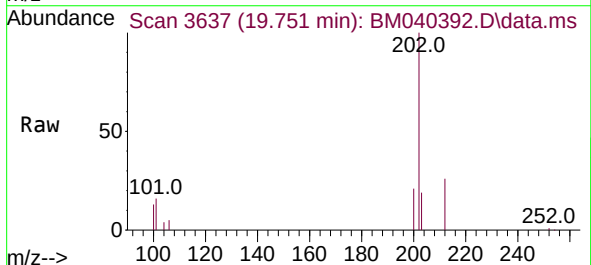
Tgt Ion:202 Resp: 38240  
Ion Ratio Lower Upper  
202 100  
101 13.5 11.4 17.0  
100 9.5 8.7 13.1

Manual Integrations  
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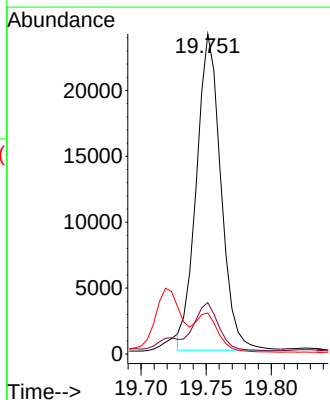
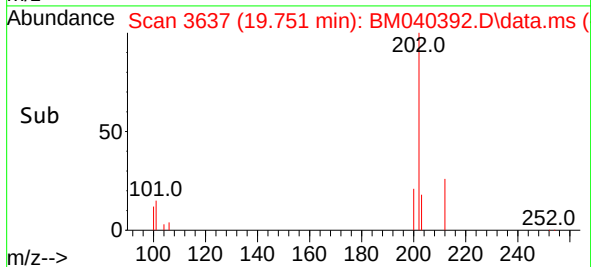
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/27/2023

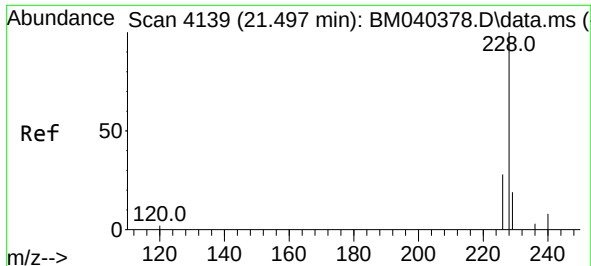


#20  
Pyrene  
Concen: 0.329 ng/ul m  
RT: 19.751 min Scan# 3637  
Delta R.T. -0.005 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21



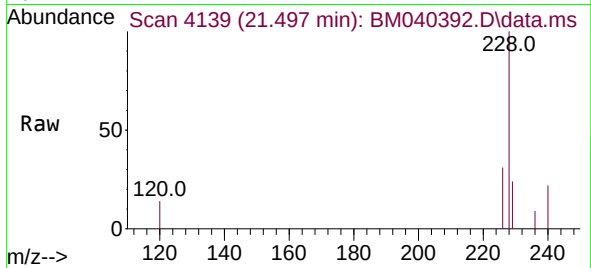
Tgt Ion:202 Resp: 31433  
Ion Ratio Lower Upper  
202 100  
101 16.1 12.6 18.8  
100 12.8 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.223 ng/u1  
RT: 21.497 min Scan# 4139  
Delta R.T. -0.003 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

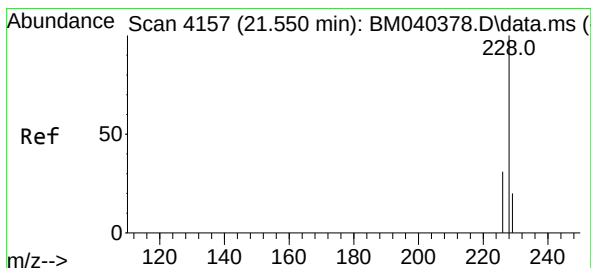
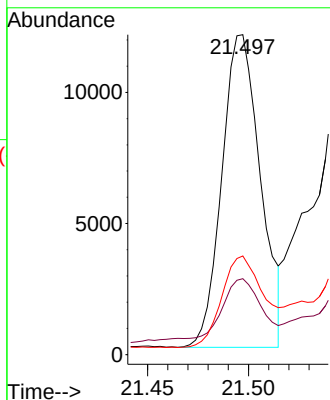
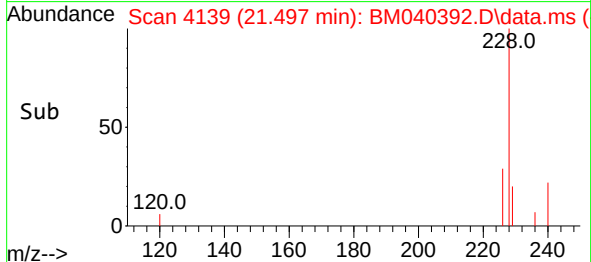
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



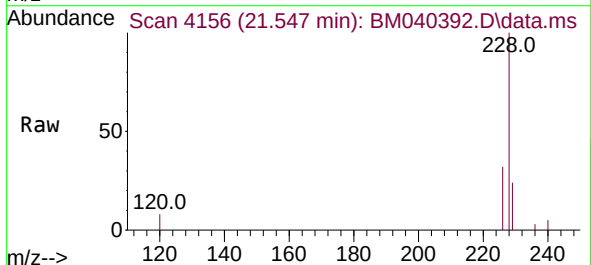
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Ion Ratio Lower Upper  
228 100  
229 23.7 16.0 24.0  
226 30.9 22.3 33.5

Manual Integrations  
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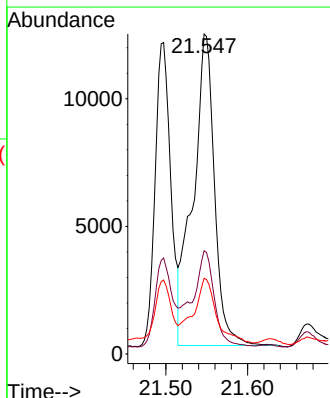
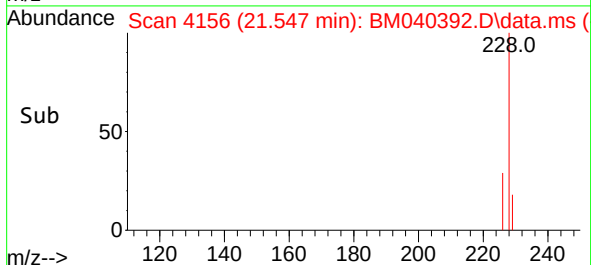
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/27/2023

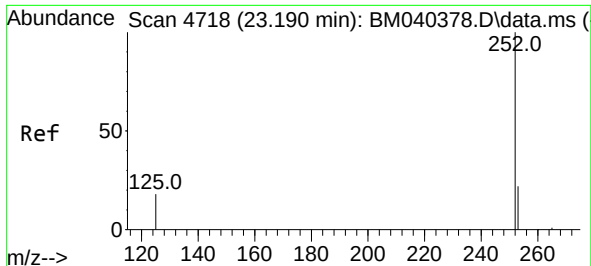


#22  
Chrysene  
Concen: 0.276 ng/u1  
RT: 21.547 min Scan# 4156  
Delta R.T. -0.006 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21



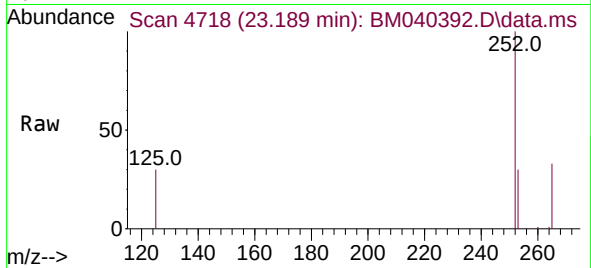
Tgt Ion:228 Resp: 22387  
Ion Ratio Lower Upper  
228 100  
226 32.2 24.9 37.3  
229 23.6 15.8 23.6





#24  
Benzo(b)fluoranthene  
Concen: 0.443 ng/ul  
RT: 23.189 min Scan# 4718  
Delta R.T. -0.003 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

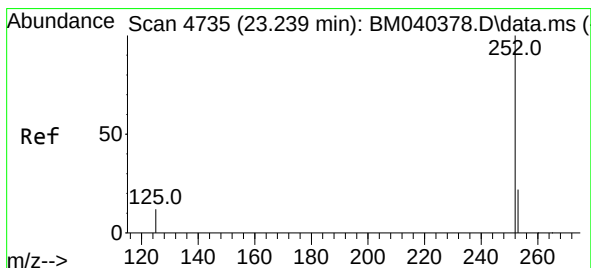
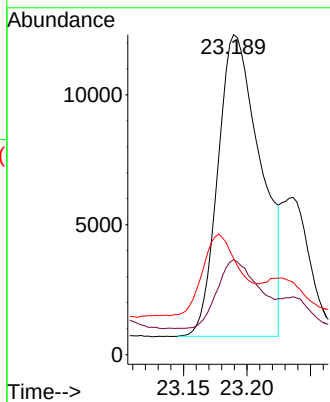
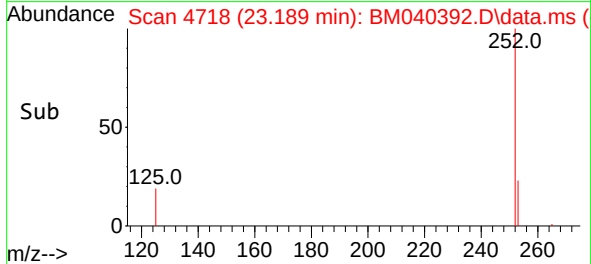
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



Tgt Ion:252 Resp: 2719  
Ion Ratio Lower Upper  
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253 29.6 0.0 52.8  
125 30.1 0.0 43.0

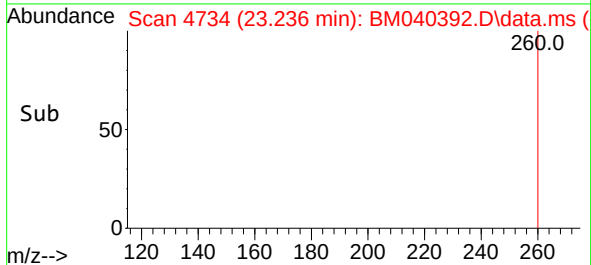
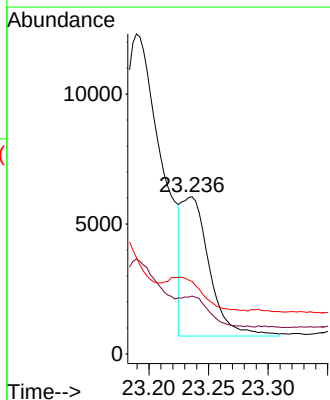
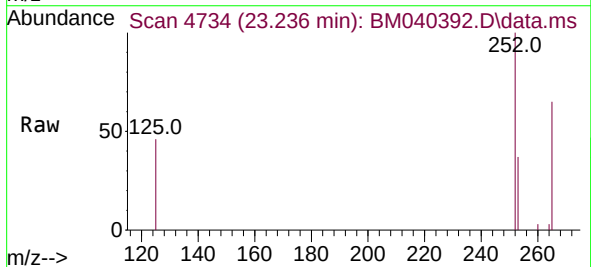
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 06/27/2023

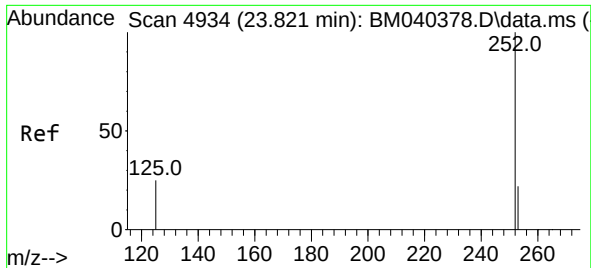


#25  
Benzo(k)fluoranthene  
Concen: 0.144 ng/ul m  
RT: 23.236 min Scan# 4734  
Delta R.T. -0.006 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

Tgt Ion:252 Resp: 8735  
Ion Ratio Lower Upper  
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125 46.1 16.4 24.6#

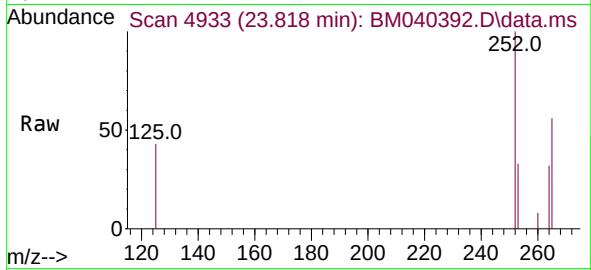






#26  
Benzo(a)pyrene  
Concen: 0.257 ng/ul  
RT: 23.818 min Scan# 4933  
Delta R.T. -0.006 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

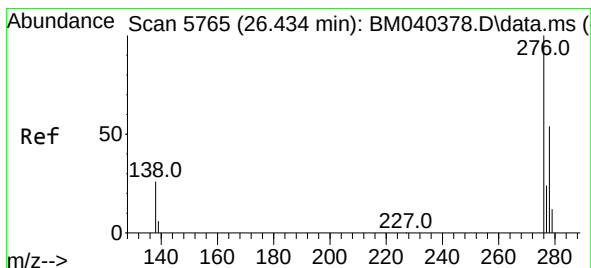
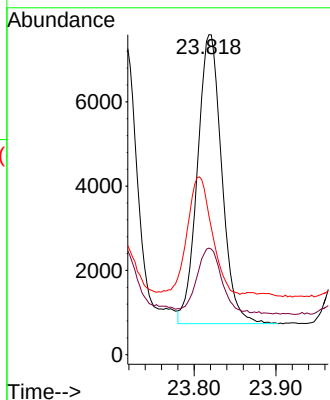
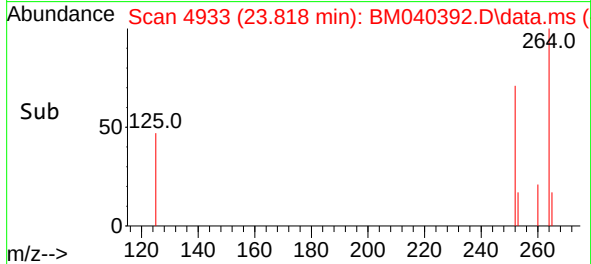
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



Tgt Ion:252 Resp: 14198  
Ion Ratio Lower Upper  
252 100  
253 33.3 22.9 34.3  
125 43.4 21.0 31.4

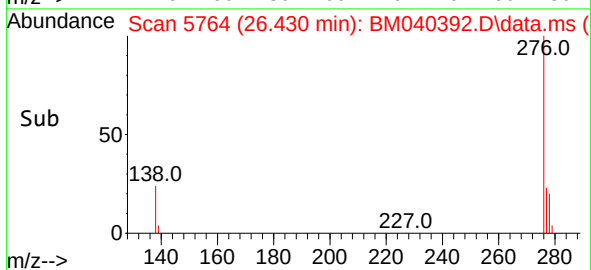
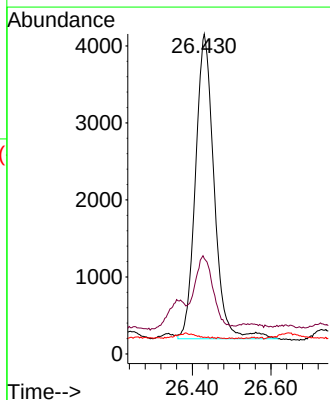
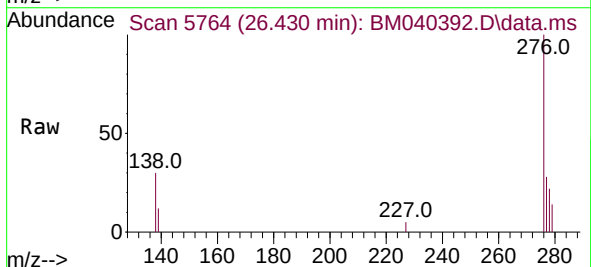
Manual Integrations  
APPROVED

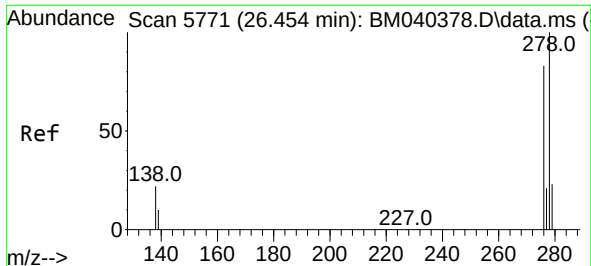
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/27/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.168 ng/ul  
RT: 26.430 min Scan# 5764  
Delta R.T. -0.003 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

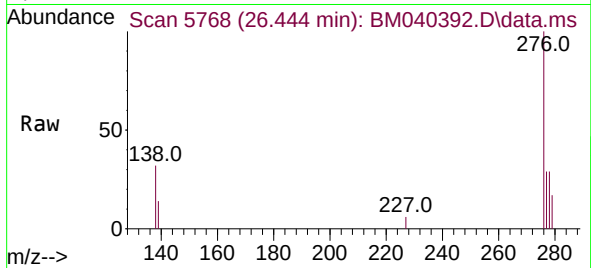
Tgt Ion:276 Resp: 12954  
Ion Ratio Lower Upper  
276 100  
138 23.5 24.5 36.7#  
227 0.0 0.1 0.1#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.051 ng/ul  
RT: 26.444 min Scan# 5768  
Delta R.T. -0.010 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

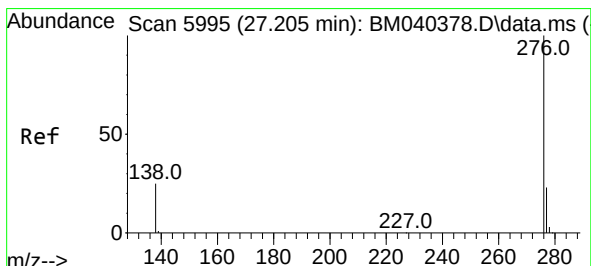
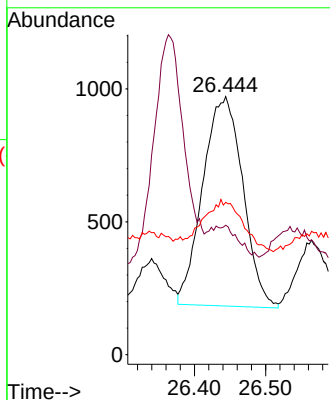
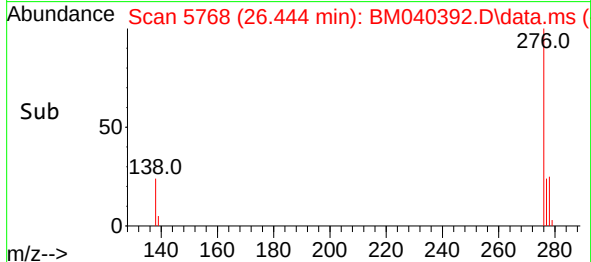
Instrument :  
BNA\_M  
ClientSampleId :  
DCFM5DL



Tgt Ion:278 Resp: 3075  
Ion Ratio Lower Upper  
278 100  
139 50.2 17.9 26.9  
279 59.0 22.0 33.0

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/27/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.188 ng/ul  
RT: 27.205 min Scan# 5995  
Delta R.T. -0.000 min  
Lab File: BM040392.D  
Acq: 24 Jun 2023 01:21

Tgt Ion:276 Resp: 12665  
Ion Ratio Lower Upper  
276 100  
138 32.5 23.0 34.6  
277 28.4 20.3 30.5

