

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
 Data File : BM044107.D  
 Acq On : 15 Feb 2024 18:32  
 Operator : MA/JU  
 Sample : P1329-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0FL6

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/17/2024  
 Supervised By :mohammad ahmed 02/19/2024

Quant Time: Feb 15 23:31:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM021524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 15 13:40:24 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.905  | 152  | 7190     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.704 | 136  | 24692    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.544 | 164  | 13371    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.297 | 188  | 28542m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.499 | 240  | 20169m   | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.890 | 264  | 24361m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.352  | 96   | 52087    | 5.116 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.294 | 152  | 11584    | 0.335 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.332 | 212  | 24708m   | 0.411 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 11) Acenaphthene            | 14.608 | 153  | 11007    | 0.207 | ng/ul  | 99       |
| 12) Fluorene                | 15.598 | 166  | 14324    | 0.239 | ng/ul  | 96       |
| 14) Pentachlorophenol       | 16.943 | 266  | 436      | 0.043 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.339 | 178  | 390867m  | 4.321 | ng/ul  |          |
| 16) Anthracene              | 17.432 | 178  | 69000    | 0.771 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.360 | 202  | 825161m  | 8.974 | ng/ul  |          |
| 20) Pyrene                  | 19.727 | 202  | 685176   | 7.086 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.481 | 228  | 352854m  | 3.820 | ng/ul  |          |
| 22) Chrysene                | 21.534 | 228  | 337564m  | 3.390 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.165 | 252  | 378073m  | 3.761 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.209 | 252  | 151807m  | 1.391 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.788 | 252  | 240554m  | 2.574 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 26.366 | 276  | 124546m  | 1.047 | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 26.389 | 278  | 33440m   | 0.357 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 27.130 | 276  | 110085m  | 1.046 | ng/ul  |          |
| -----                       |        |      |          |       |        |          |

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

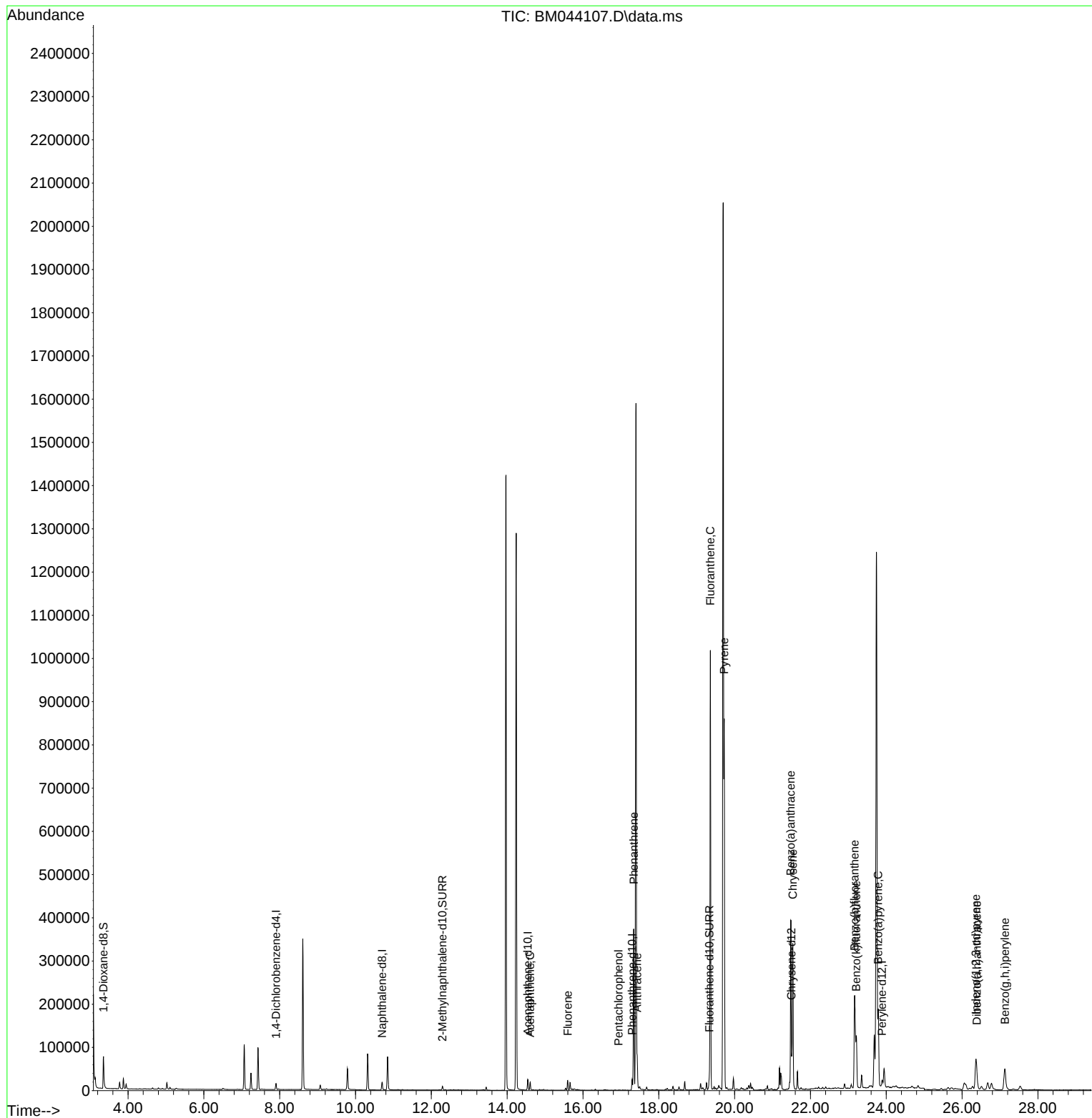
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
Data File : BM044107.D  
Acq On : 15 Feb 2024 18:32  
Operator : MA/JU  
Sample : P1329-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

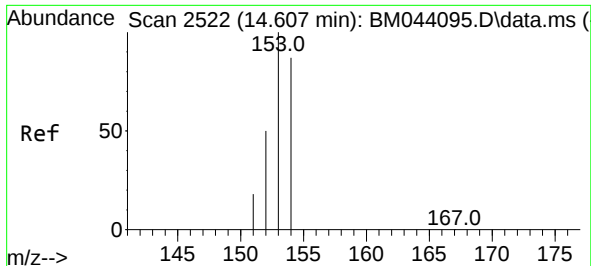
Instrument :  
BNA\_M  
ClientSampleId :  
C0FL6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024

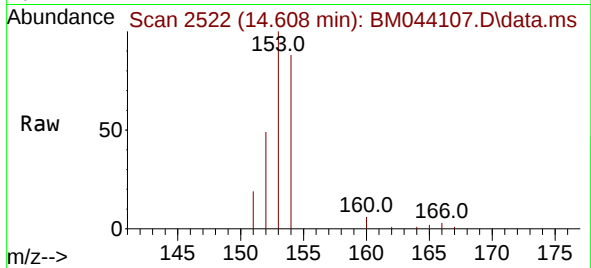
Quant Time: Feb 15 23:31:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM021524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 15 13:40:24 2024  
Response via : Initial Calibration





#11  
Acenaphthene  
Concen: 0.207 ng/u1  
RT: 14.608 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

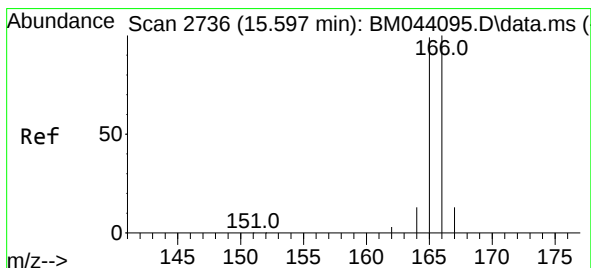
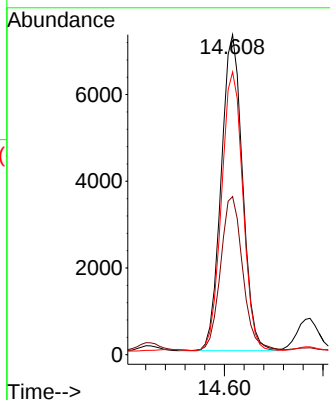
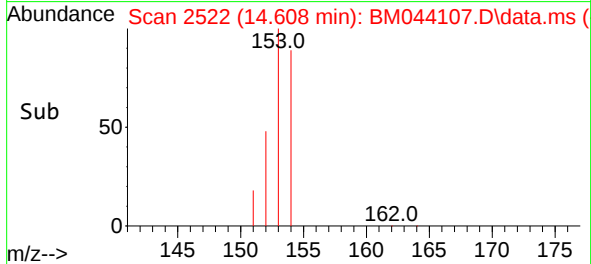
Instrument :  
BNA\_M  
ClientSampleId :  
C0FL6



Tgt Ion:153 Resp: 1100  
Ion Ratio Lower Upper  
153 100  
152 49.4 40.6 61.0  
154 88.4 70.1 105.1

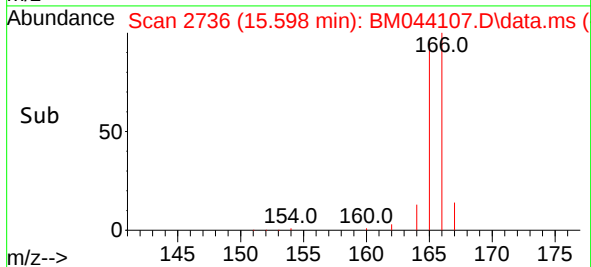
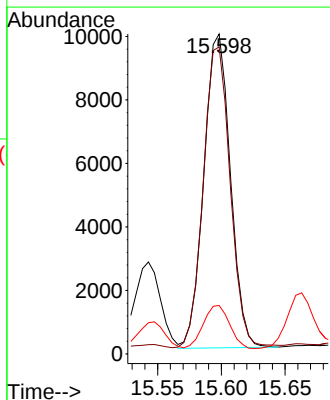
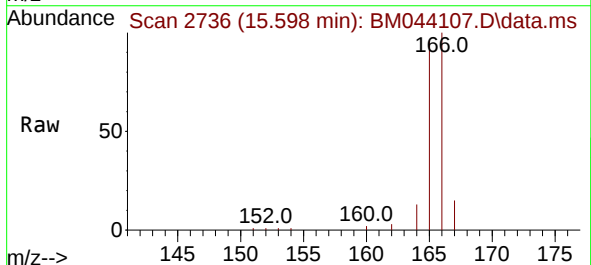
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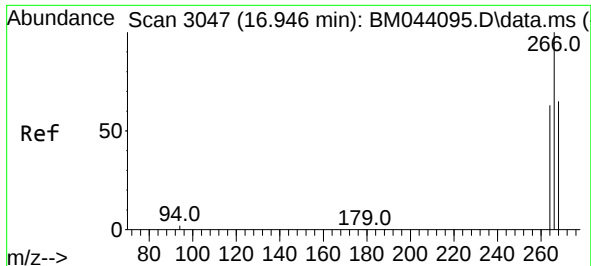
Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024



#12  
Fluorene  
Concen: 0.239 ng/u1  
RT: 15.598 min Scan# 2736  
Delta R.T. 0.001 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

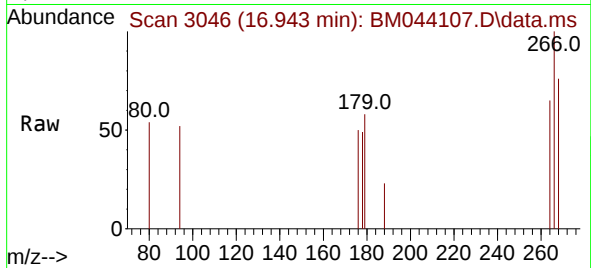
Tgt Ion:166 Resp: 14324  
Ion Ratio Lower Upper  
166 100  
165 95.9 79.8 119.6  
167 15.2 11.1 16.7





#14  
Pentachlorophenol  
Concen: 0.043 ng/ul  
RT: 16.943 min Scan# 3046  
Delta R.T. -0.003 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

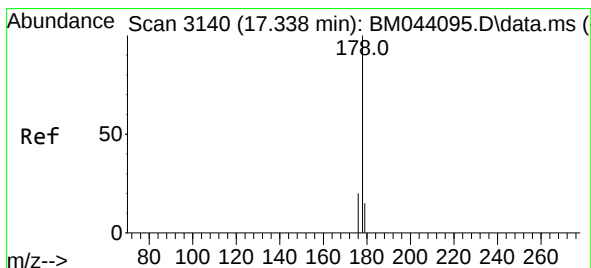
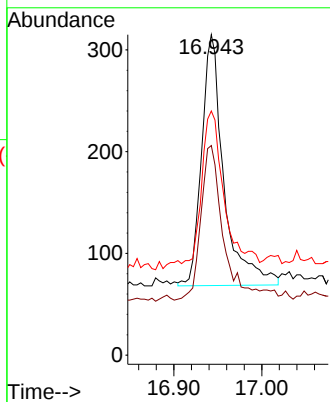
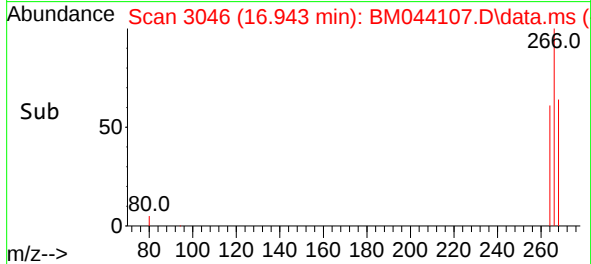
Instrument :  
BNA\_M  
ClientSampleId :  
C0FL6



Tgt Ion:266 Resp: 430  
Ion Ratio Lower Upper  
266 100  
264 64.2 49.4 74.0  
268 64.0 52.1 78.1

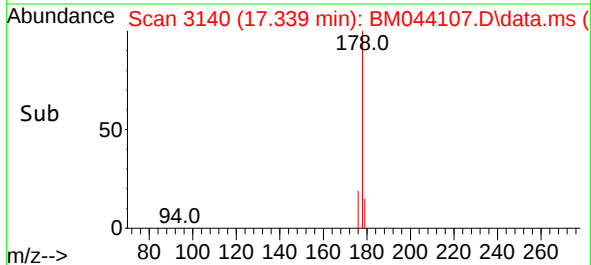
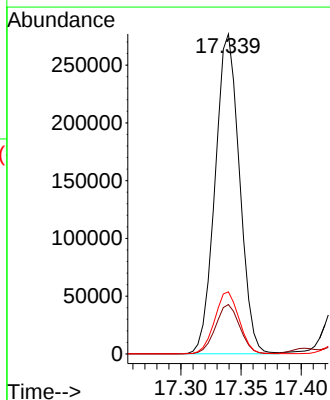
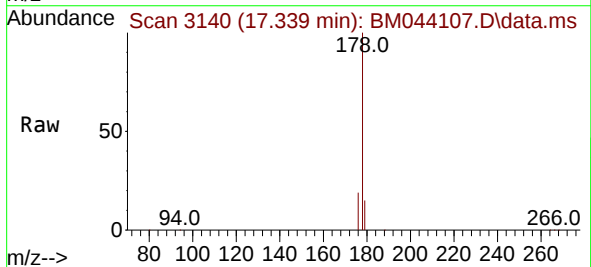
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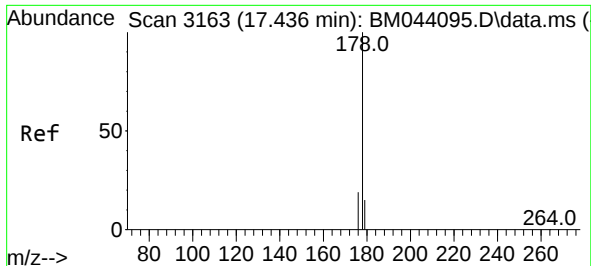
Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024



#15  
Phenanthrene  
Concen: 4.321 ng/ul m  
RT: 17.339 min Scan# 3140  
Delta R.T. 0.001 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

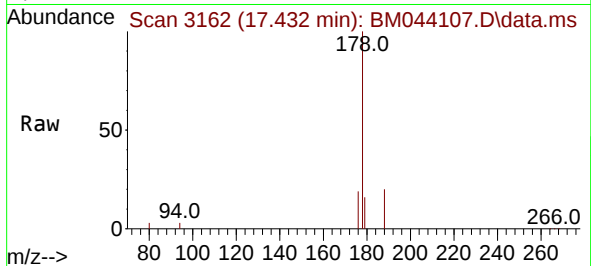
Tgt Ion:178 Resp: 390867  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.6 19.0  
176 19.4 16.0 24.0





#16  
 Anthracene  
 Concen: 0.771 ng/ul  
 RT: 17.432 min Scan# 3162  
 Delta R.T. -0.003 min  
 Lab File: BM044107.D  
 Acq: 15 Feb 2024 18:32

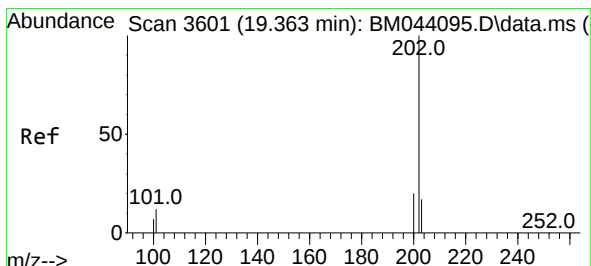
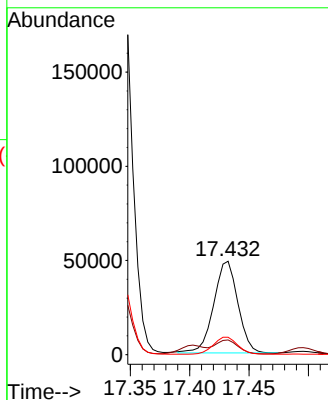
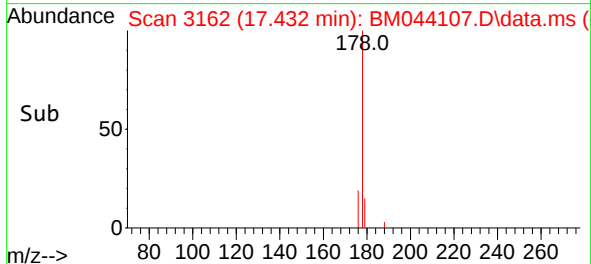
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0FL6



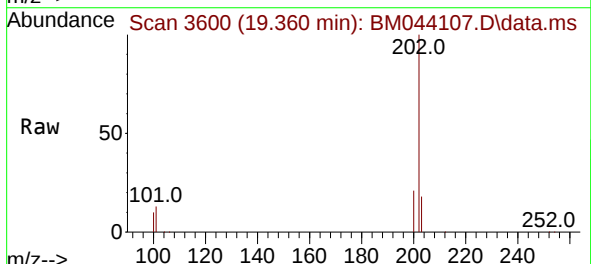
Tgt Ion:178 Resp: 69000  
 Ion Ratio Lower Upper  
 178 100  
 179 15.7 12.8 19.2  
 176 18.7 15.3 22.9

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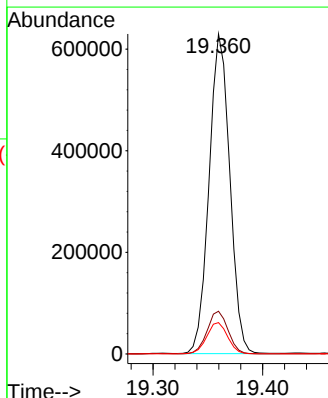
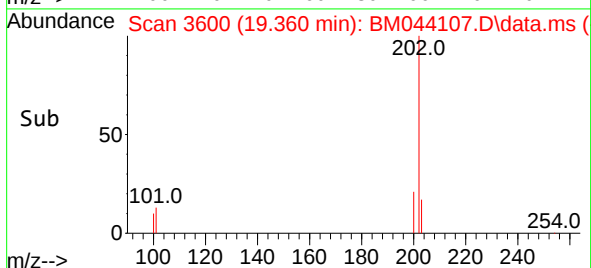
Reviewed By :Yogesh Patel 02/17/2024  
 Supervised By :mohammad ahmed 02/19/2024

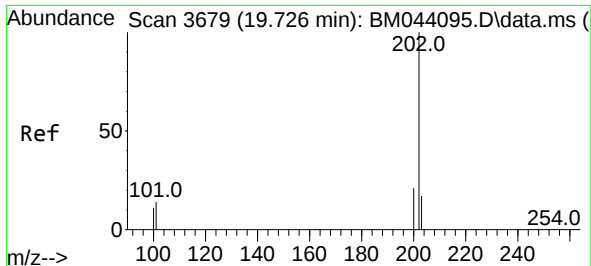


#19  
 Fluoranthene  
 Concen: 8.974 ng/ul m  
 RT: 19.360 min Scan# 3600  
 Delta R.T. -0.004 min  
 Lab File: BM044107.D  
 Acq: 15 Feb 2024 18:32



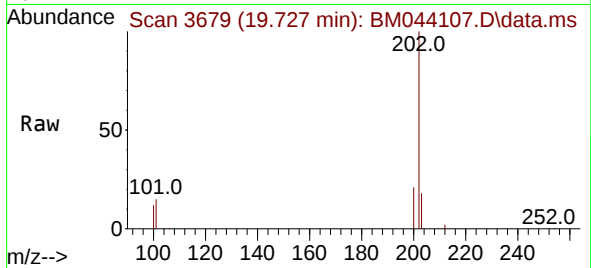
Tgt Ion:202 Resp: 825161  
 Ion Ratio Lower Upper  
 202 100  
 101 13.3 9.8 14.6  
 100 9.8 7.0 10.4





#20  
Pyrene  
Concen: 7.086 ng/ul  
RT: 19.727 min Scan# 30  
Delta R.T. 0.001 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

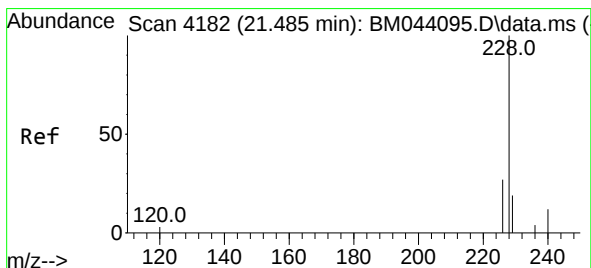
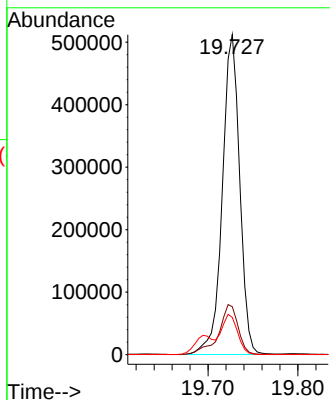
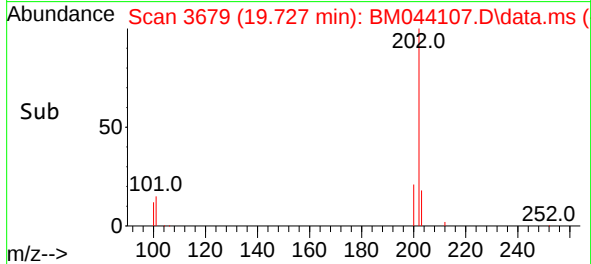
Instrument :  
BNA\_M  
ClientSampleId :  
C0FL6



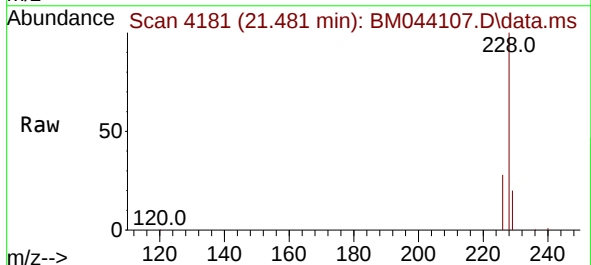
Tgt Ion:202 Resp: 685170  
Ion Ratio Lower Upper  
202 100  
101 15.0 11.2 16.8  
100 11.7 8.6 13.0

Manual Integrations  
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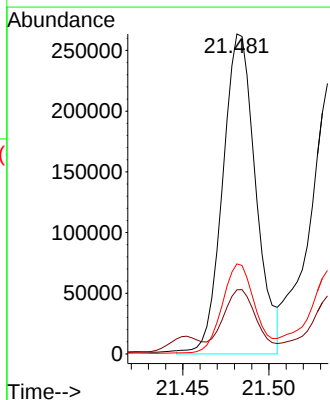
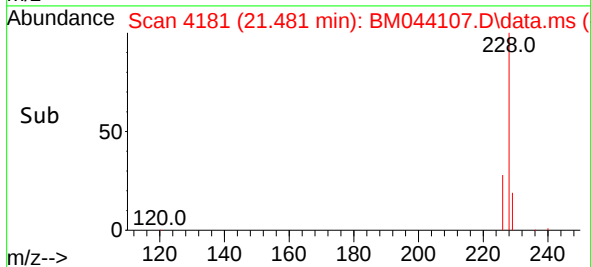
Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024

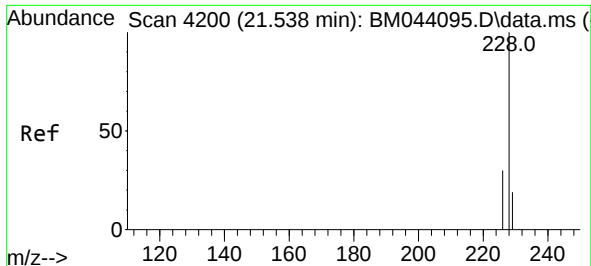


#21  
Benzo(a)anthracene  
Concen: 3.820 ng/ul m  
RT: 21.481 min Scan# 4181  
Delta R.T. -0.004 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32



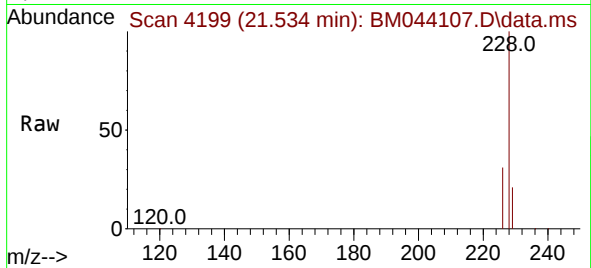
Tgt Ion:228 Resp: 352854  
Ion Ratio Lower Upper  
228 100  
229 20.0 15.4 23.2  
226 28.2 22.1 33.1





#22  
Chrysene  
Concen: 3.390 ng/ul m  
RT: 21.534 min Scan# 4199  
Delta R.T. -0.004 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

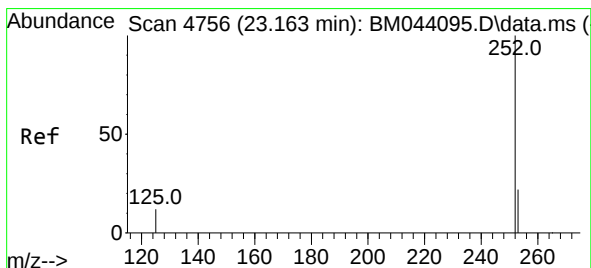
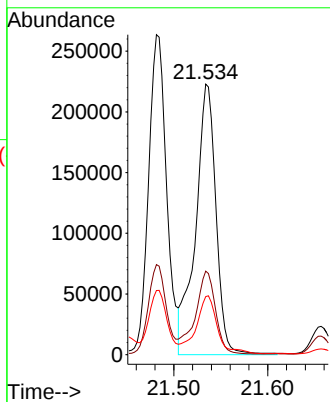
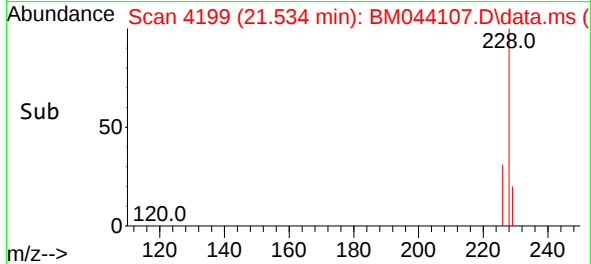
Instrument :  
BNA\_M  
ClientSampleId :  
C0FL6



Tgt Ion:228 Resp: 337564  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.2 36.2  
229 21.5 15.8 23.6

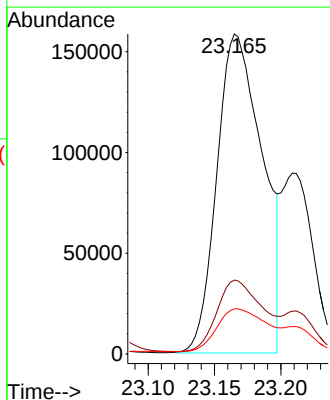
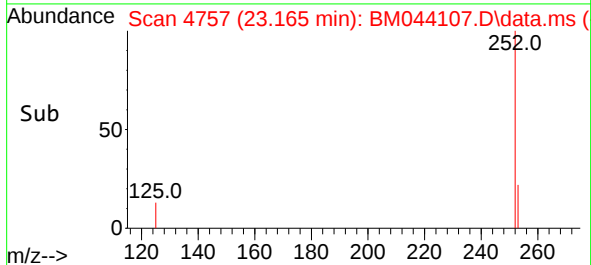
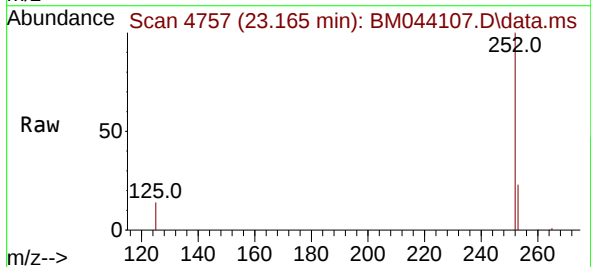
Manual Integrations  
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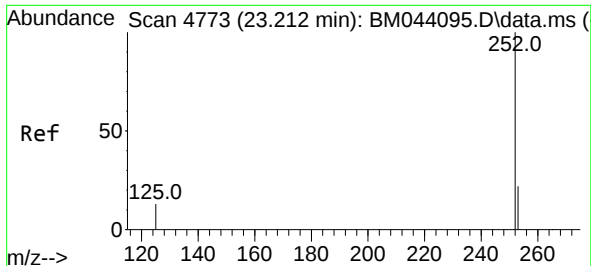
Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024



#24  
Benzo(b)fluoranthene  
Concen: 3.761 ng/ul m  
RT: 23.165 min Scan# 4757  
Delta R.T. 0.002 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

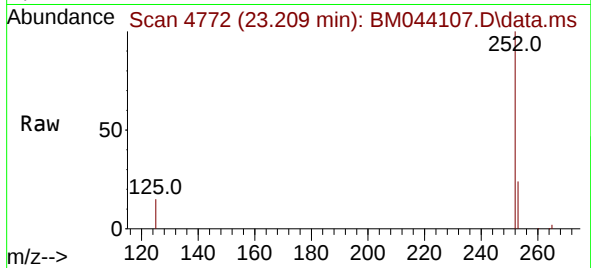
Tgt Ion:252 Resp: 378073  
Ion Ratio Lower Upper  
252 100  
253 23.1 0.0 50.0  
125 14.1 0.0 28.2





#25  
Benzo(k)fluoranthene  
Concen: 1.391 ng/ul m  
RT: 23.209 min Scan# 4772  
Delta R.T. -0.004 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

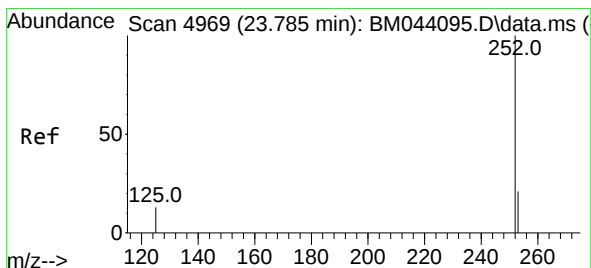
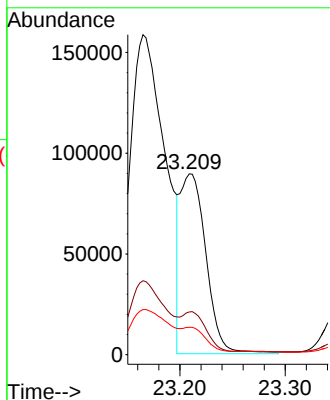
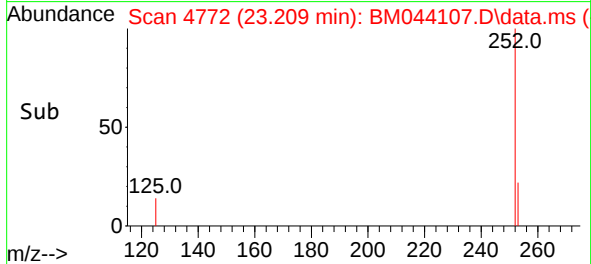
Instrument :  
BNA\_M  
ClientSampleId :  
C0FL6



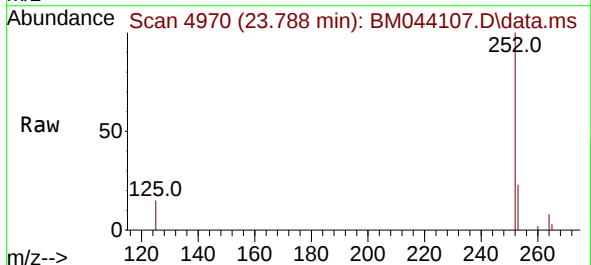
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Ion Ratio Lower Upper  
252 100  
253 23.6 20.1 30.1  
125 15.1 12.3 18.5

Manual Integrations  
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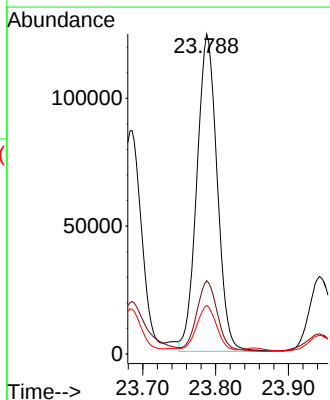
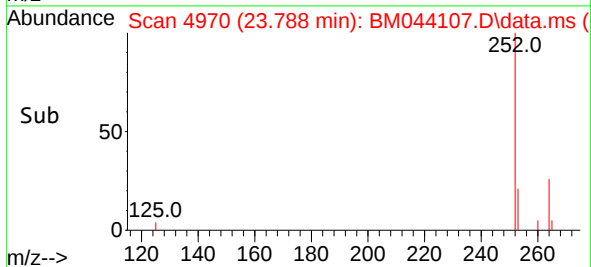
Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024

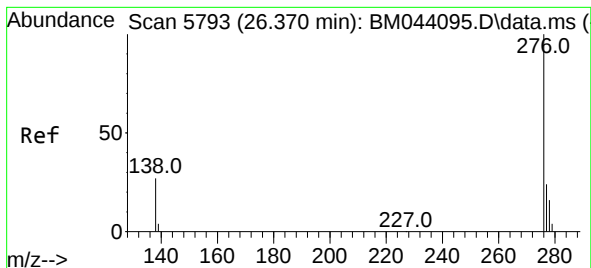


#26  
Benzo(a)pyrene  
Concen: 2.574 ng/ul m  
RT: 23.788 min Scan# 4970  
Delta R.T. 0.002 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32



Tgt Ion:252 Resp: 240554  
Ion Ratio Lower Upper  
252 100  
253 22.9 21.4 32.2  
125 15.2 13.3 19.9





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.047 ng/ul m

RT: 26.366 min Scan# 5792

Delta R.T. -0.004 min

Lab File: BM044107.D

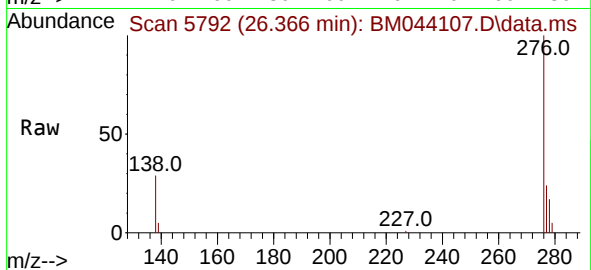
Acq: 15 Feb 2024 18:32

Instrument :

BNA\_M

ClientSampleId :

C0FL6



Tgt Ion:276 Resp: 124540

Ion Ratio Lower Upper

276 100

138 3.8 25.2 37.8

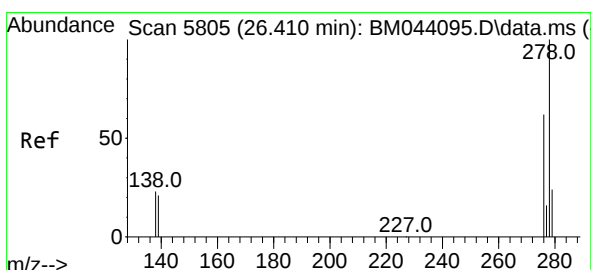
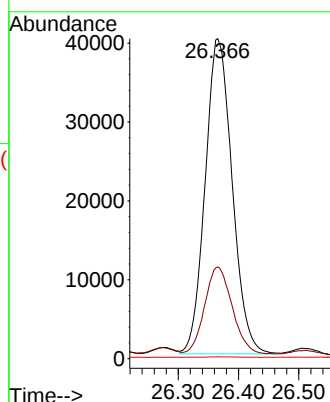
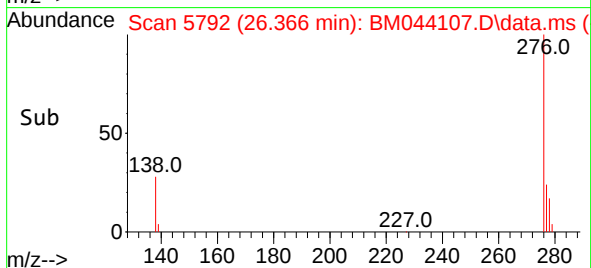
227 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/19/2024



#28

Dibenzo(a,h)anthracene

Concen: 0.357 ng/ul m

RT: 26.389 min Scan# 5799

Delta R.T. -0.021 min

Lab File: BM044107.D

Acq: 15 Feb 2024 18:32

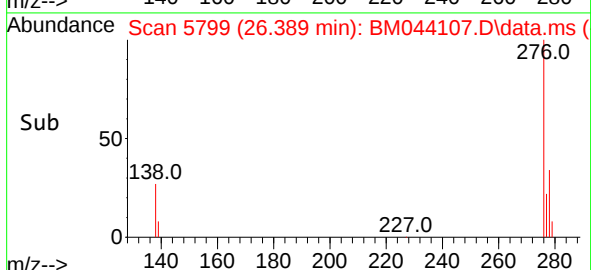
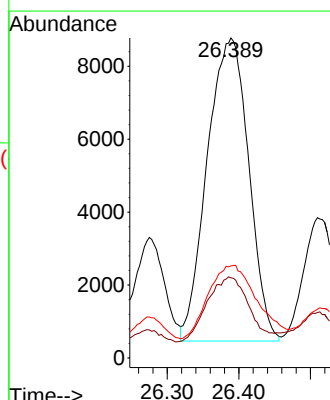
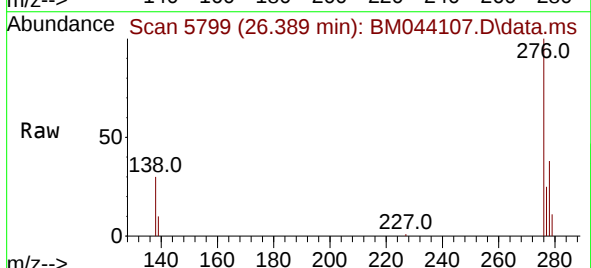
Tgt Ion:278 Resp: 33440

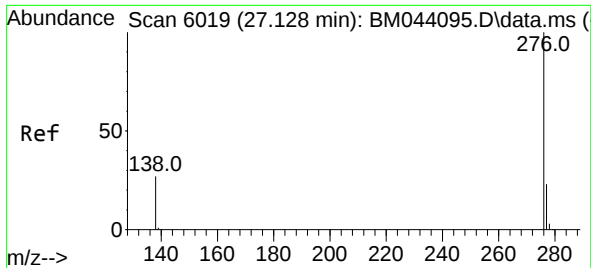
Ion Ratio Lower Upper

278 100

139 25.1 17.8 26.8

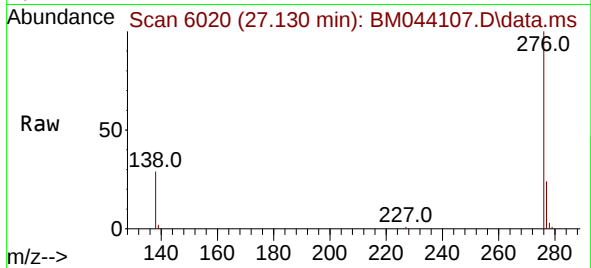
279 28.7 21.8 32.8





#29  
Benzo(g,h,i)perylene  
Concen: 1.046 ng/ul m  
RT: 27.130 min Scan# 6019  
Delta R.T. 0.003 min  
Lab File: BM044107.D  
Acq: 15 Feb 2024 18:32

Instrument :  
BNA\_M  
ClientSampleId :  
C0FL6



Tgt Ion:276 Resp: 110085  
Ion Ratio Lower Upper  
276 100  
138 29.1 22.7 34.1  
277 23.8 19.0 28.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024

