

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042723\  
 Data File : BM039738.D  
 Acq On : 28 Apr 2023 16:19  
 Operator : CG/JU  
 Sample : 02417-23  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW906

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/01/2023  
 Supervised By : Jagrut Upadhyay 05/01/2023

Quant Time: Apr 29 02:24:46 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 28 02:30:02 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.800  | 152  | 3146     | 0.400  | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.595 | 136  | 12323    | 0.400  | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.446 | 164  | 7407     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.200 | 188  | 17653    | 0.400  | ng/ul  | #-0.02   |
| 17) Chrysene-d12            | 21.397 | 240  | 14307    | 0.400  | ng/ul  | #-0.01   |
| 23) Perylene-d12            | 23.744 | 264  | 13296    | 0.400  | ng/ul  | #-0.02   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.184  | 96   | 12288    | 2.650  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.201 | 152  | 3518     | 0.223  | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.234 | 212  | 10109    | 0.263  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.645 | 128  | 7161     | 0.231  | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.278 | 142  | 4441     | 0.249  | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.492 | 142  | 3250     | 0.170  | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.169 | 152  | 10615    | 0.370  | ng/ul  | 97       |
| 11) Acenaphthene            | 14.511 | 153  | 5597     | 0.249  | ng/ul  | 99       |
| 12) Fluorene                | 15.501 | 166  | 6368     | 0.255  | ng/ul# | 98       |
| 15) Phenanthrene            | 17.238 | 178  | 224384   | 4.825  | ng/ul  | 99       |
| 16) Anthracene              | 17.335 | 178  | 41571    | 1.041  | ng/ul  | 98       |
| 19) Fluoranthene            | 19.262 | 202  | 559969   | 10.971 | ng/ul  | 99       |
| 20) Pyrene                  | 19.629 | 202  | 466338   | 8.460  | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.379 | 228  | 266859   | 6.487  | ng/ul  | 99       |
| 22) Chrysene                | 21.432 | 228  | 270388   | 5.808  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.030 | 252  | 359358   | 7.696  | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.071 | 252  | 114247m  | 2.403  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.638 | 252  | 215178   | 5.133  | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.167 | 276  | 159779   | 3.014  | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.167 | 278  | 36966    | 0.898  | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 26.915 | 276  | 133353   | 2.887  | ng/ul  | 98       |
| -----                       |        |      |          |        |        |          |

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

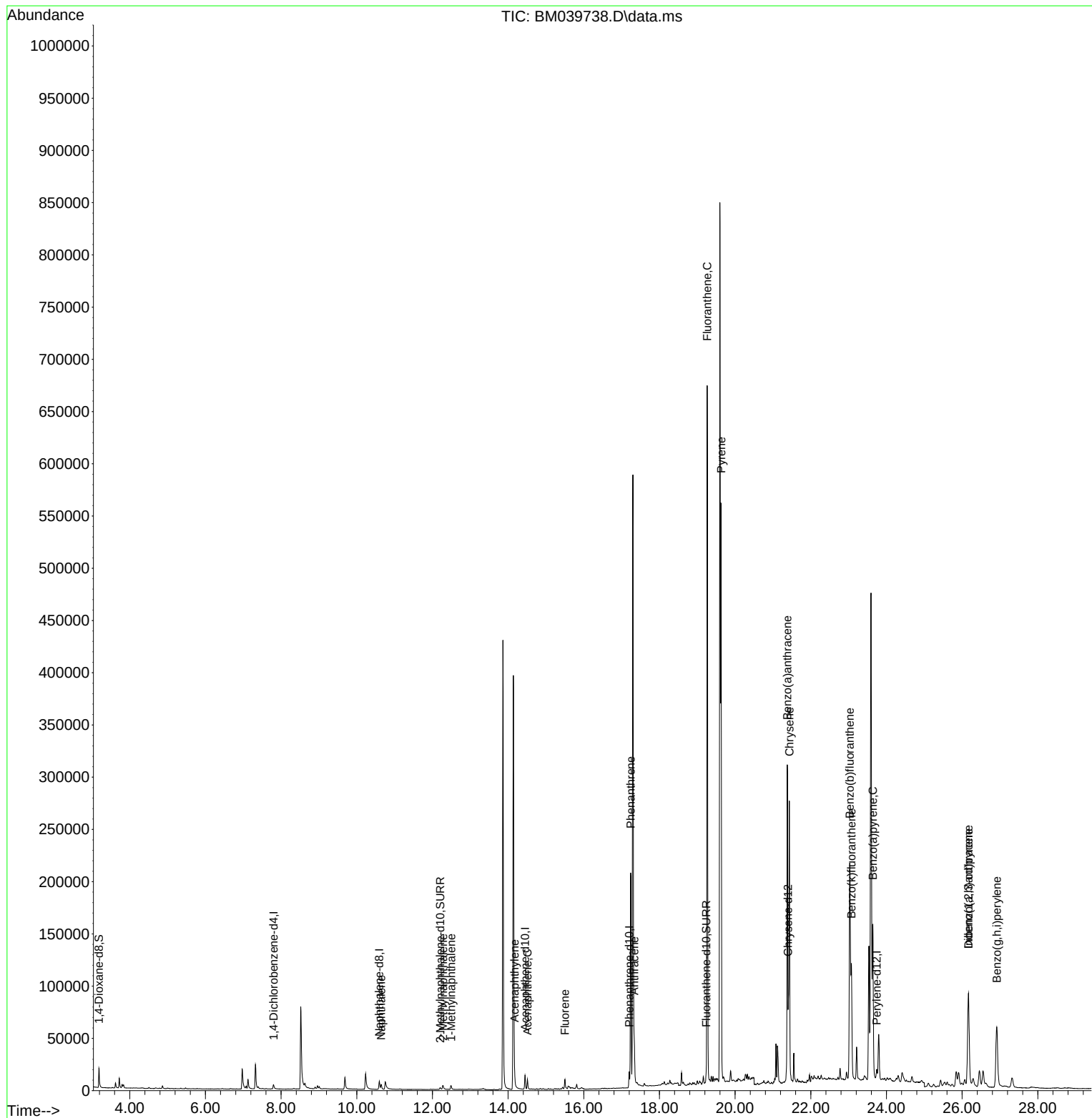
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042723\  
Data File : BM039738.D  
Acq On : 28 Apr 2023 16:19  
Operator : CG/JU  
Sample : 02417-23  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

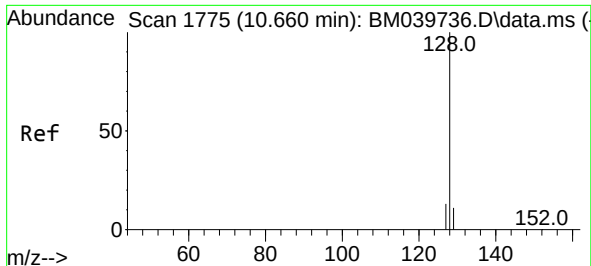
Instrument :  
BNA\_M  
ClientSampleId :  
EW906

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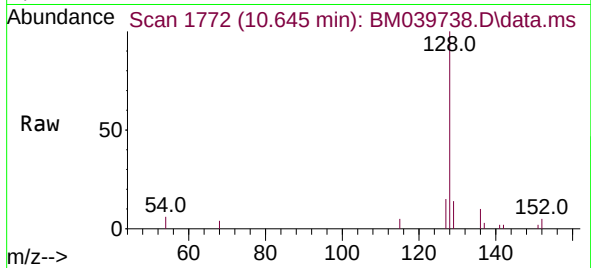
Quant Time: Apr 29 02:24:46 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 28 02:30:02 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.231 ng/ul  
RT: 10.645 min Scan# 1772  
Delta R.T. -0.016 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

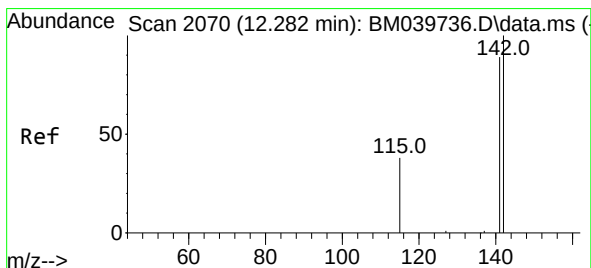
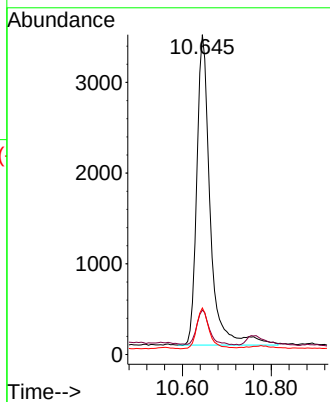
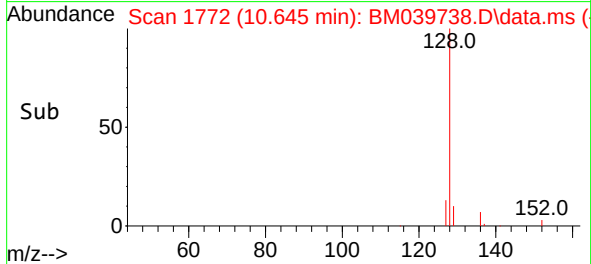
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



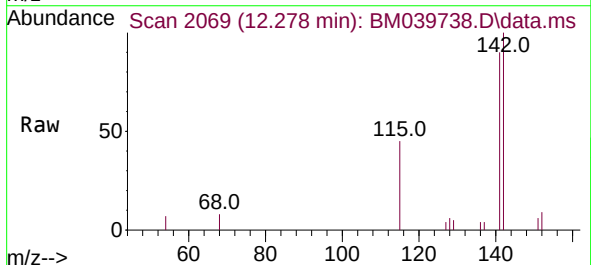
Tgt Ion:128 Resp: 7163  
Ion Ratio Lower Upper  
128 100  
129 13.9 9.8 14.6  
127 14.6 11.1 16.7

Manual Integrations  
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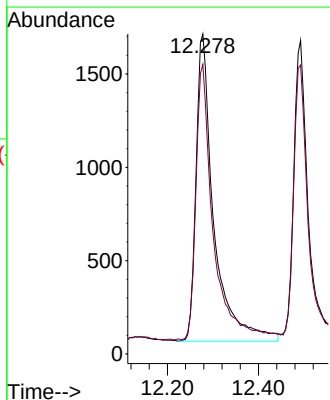
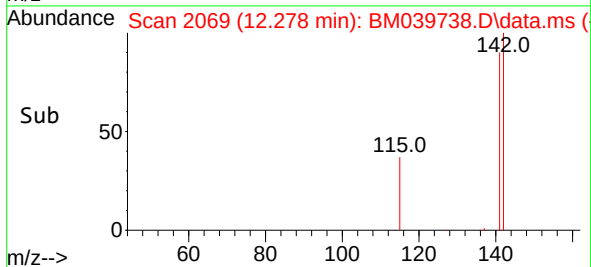
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

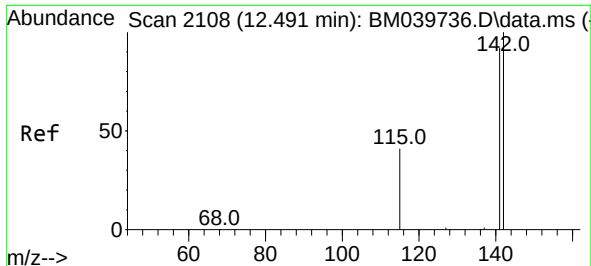


#7  
2-Methylnaphthalene  
Concen: 0.249 ng/ul  
RT: 12.278 min Scan# 2069  
Delta R.T. -0.011 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19



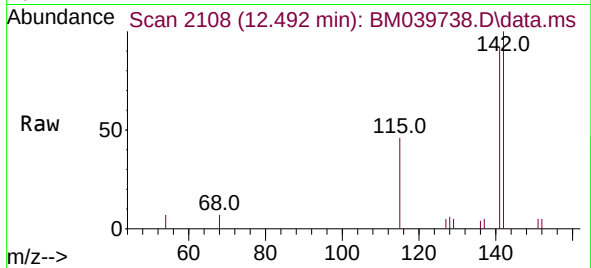
Tgt Ion:142 Resp: 4441  
Ion Ratio Lower Upper  
142 100  
141 87.9 73.2 109.8





#8  
1-Methylnaphthalene  
Concen: 0.170 ng/ul  
RT: 12.492 min Scan# 2108  
Delta R.T. -0.005 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

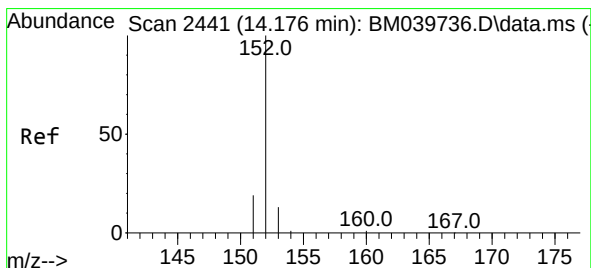
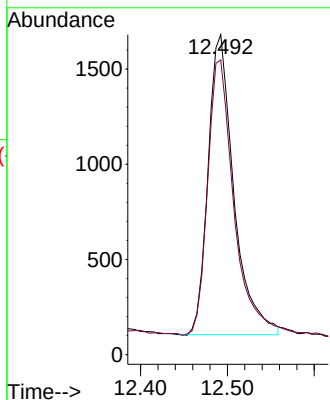
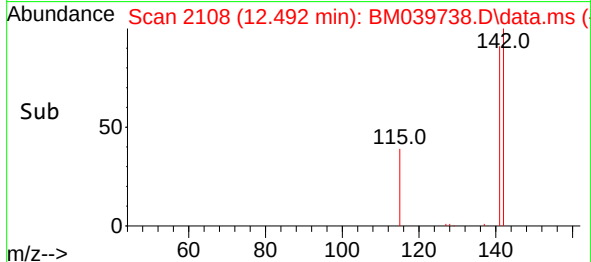
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



Tgt Ion:142 Resp: 3250  
Ion Ratio Lower Upper  
142 100  
141 93.5 73.4 110.2

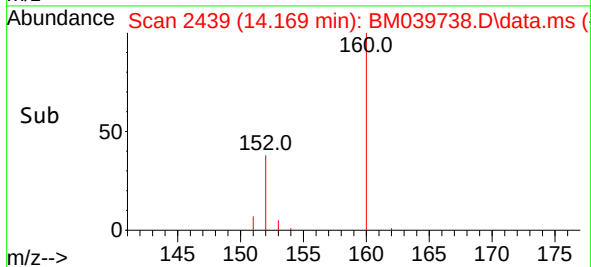
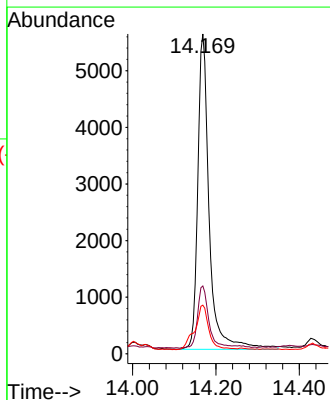
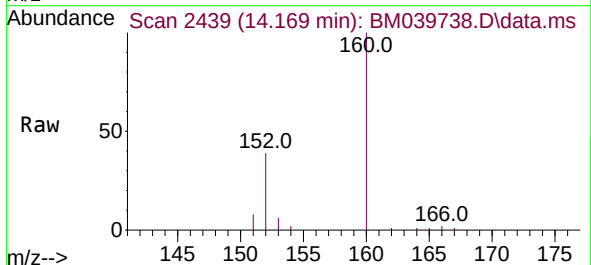
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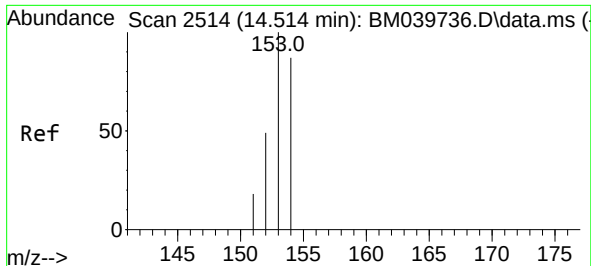
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#10  
Acenaphthylene  
Concen: 0.370 ng/ul  
RT: 14.169 min Scan# 2439  
Delta R.T. -0.014 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

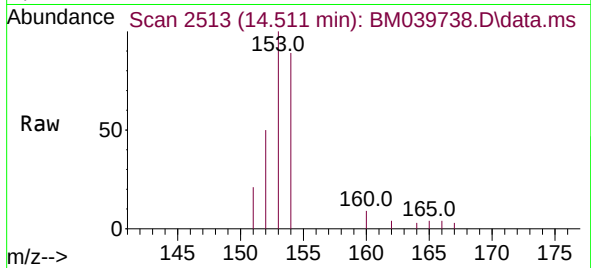
Tgt Ion:152 Resp: 10615  
Ion Ratio Lower Upper  
152 100  
151 21.2 16.0 24.0  
153 15.2 11.2 16.8





#11  
Acenaphthene  
Concen: 0.249 ng/ul  
RT: 14.511 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

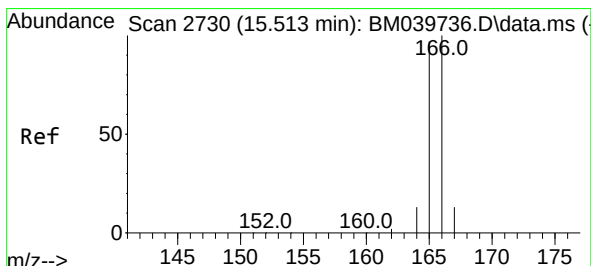
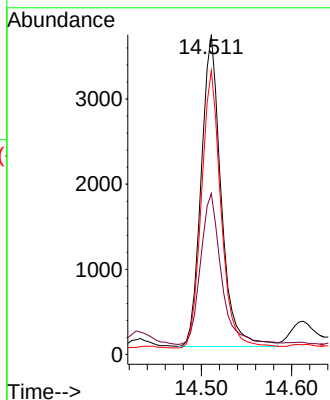
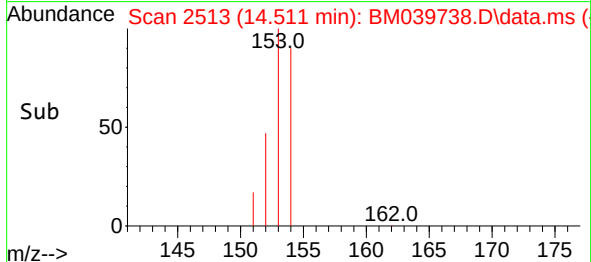
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



Tgt Ion:153 Resp: 559  
Ion Ratio Lower Upper  
153 100  
152 50.3 40.6 61.0  
154 88.7 71.9 107.9

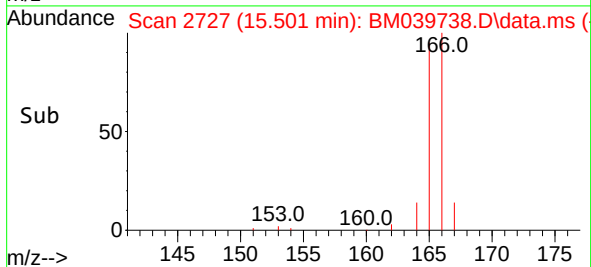
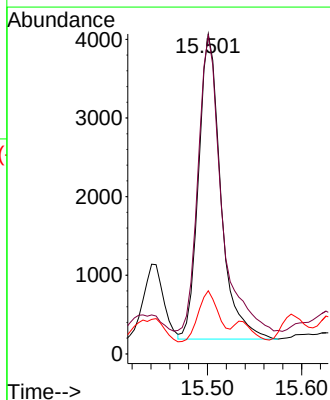
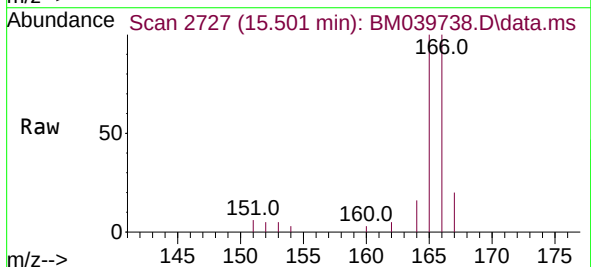
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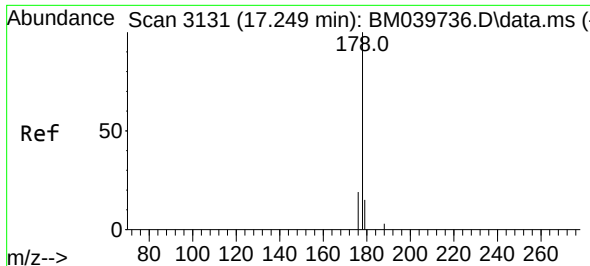
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#12  
Fluorene  
Concen: 0.255 ng/ul  
RT: 15.501 min Scan# 2727  
Delta R.T. -0.018 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

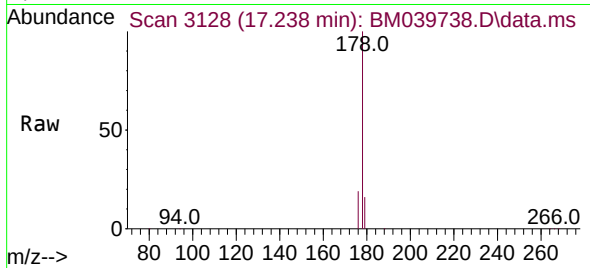
Tgt Ion:166 Resp: 6368  
Ion Ratio Lower Upper  
166 100  
165 99.5 79.0 118.6  
167 19.7 11.8 17.6#





#15  
Phenanthrene  
Concen: 4.825 ng/ul  
RT: 17.238 min Scan# 3131  
Delta R.T. -0.017 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

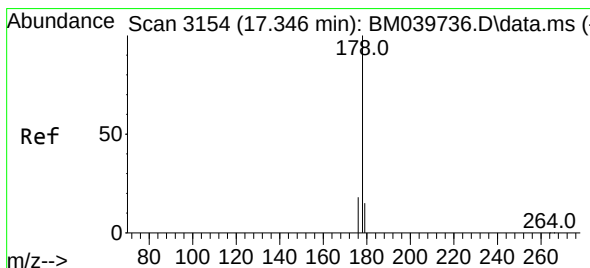
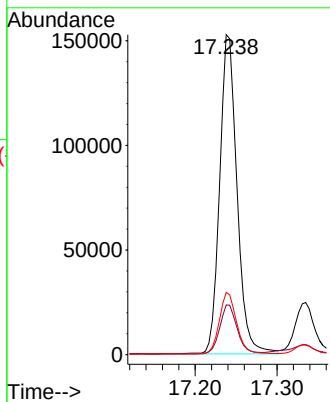
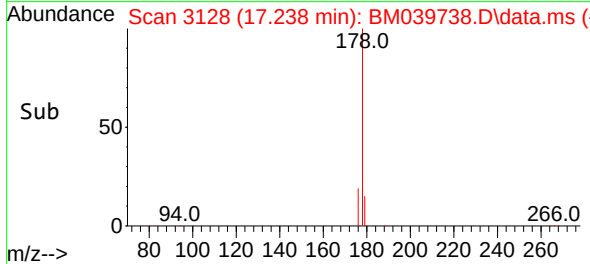
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



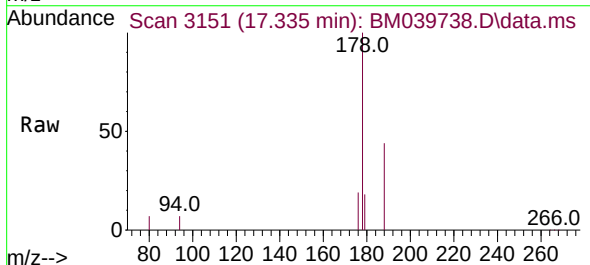
Tgt Ion:178 Resp: 224384  
Ion Ratio Lower Upper  
178 100  
179 15.5 13.0 19.6  
176 19.4 15.8 23.8

Manual Integrations  
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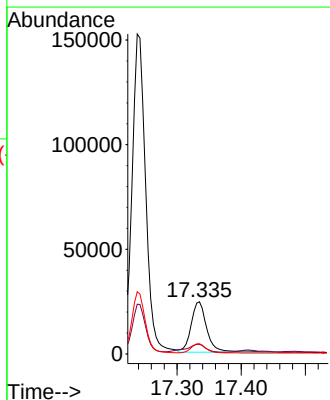
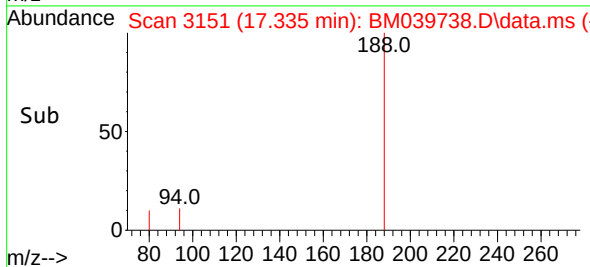
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

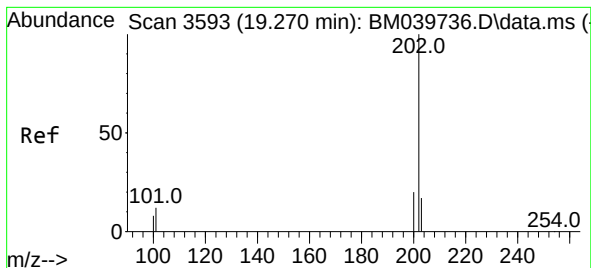


#16  
Anthracene  
Concen: 1.041 ng/ul  
RT: 17.335 min Scan# 3151  
Delta R.T. -0.021 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19



Tgt Ion:178 Resp: 41571  
Ion Ratio Lower Upper  
178 100  
179 18.3 13.8 20.6  
176 19.4 15.8 23.8





#19

Fluoranthene

Concen: 10.971 ng/ul

RT: 19.262 min Scan# 3591

Delta R.T. -0.014 min

Lab File: BM039738.D

Acq: 28 Apr 2023 16:19

Instrument :

BNA\_M

ClientSampleId :

EW906

Tgt Ion:202 Resp: 559969

Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.8

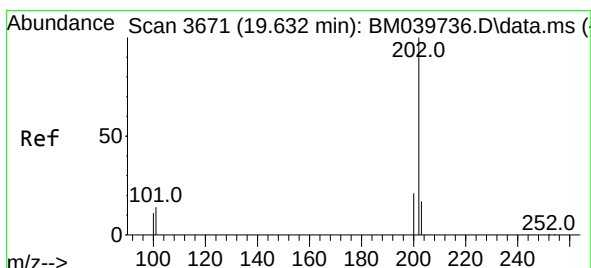
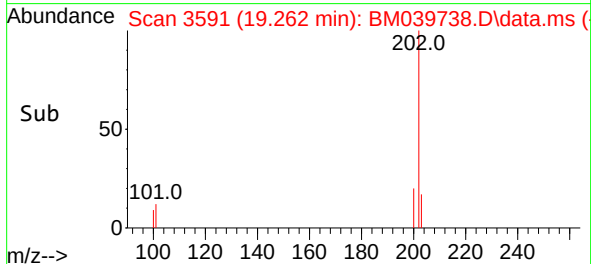
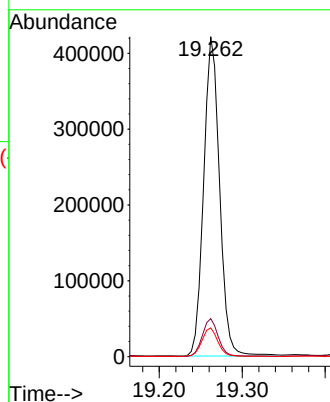
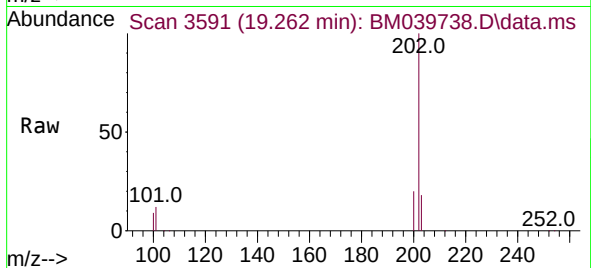
100 9.0 7.3 10.9

Manual Integrations

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#20

Pyrene

Concen: 8.460 ng/ul

RT: 19.629 min Scan# 3670

Delta R.T. -0.014 min

Lab File: BM039738.D

Acq: 28 Apr 2023 16:19

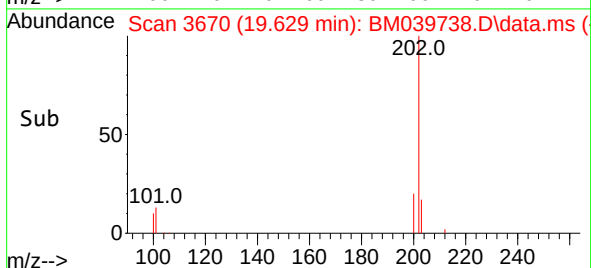
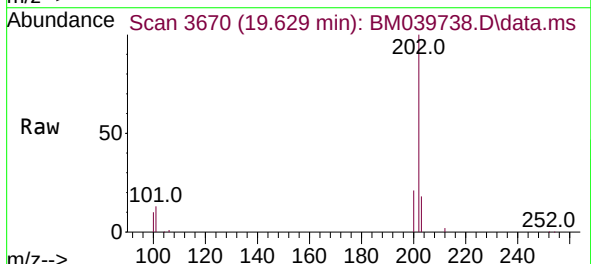
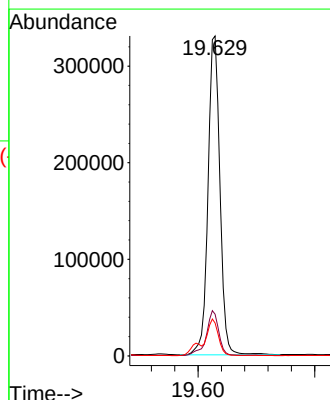
Tgt Ion:202 Resp: 466338

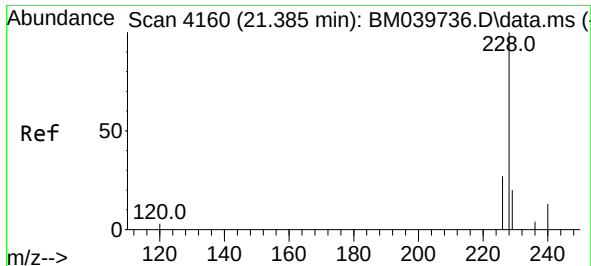
Ion Ratio Lower Upper

202 100

101 13.0 10.9 16.3

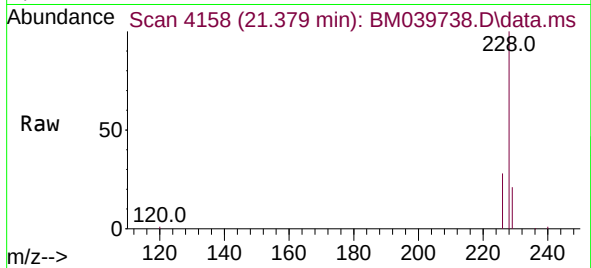
100 10.3 8.9 13.3





#21  
Benzo(a)anthracene  
Concen: 6.487 ng/ul  
RT: 21.379 min Scan# 4160  
Delta R.T. -0.017 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

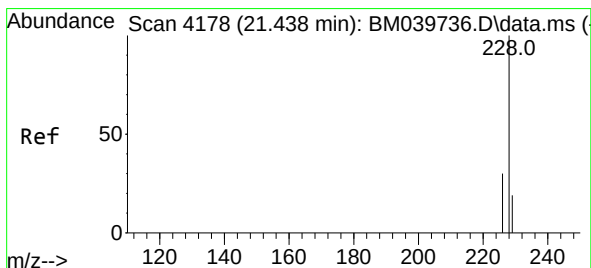
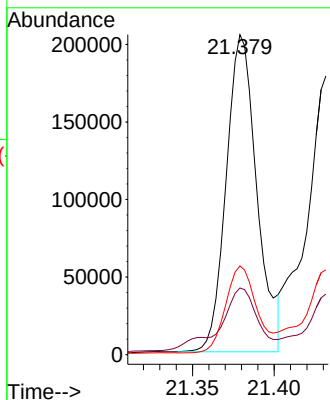
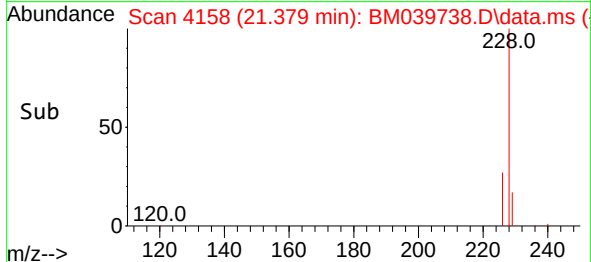
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



Tgt Ion:228 Resp: 266855  
Ion Ratio Lower Upper  
228 100  
229 20.8 16.2 24.2  
226 27.7 21.6 32.4

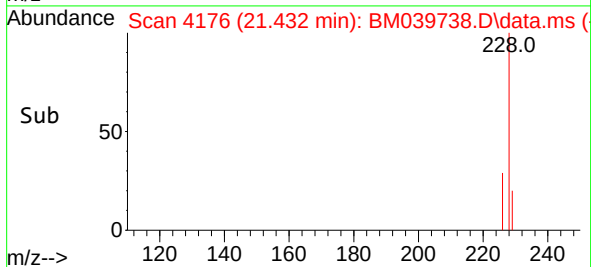
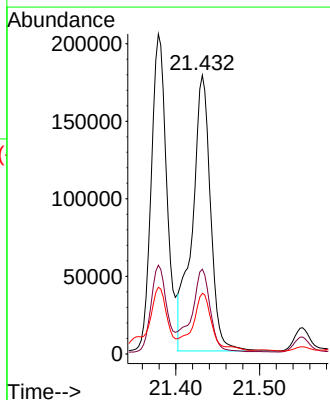
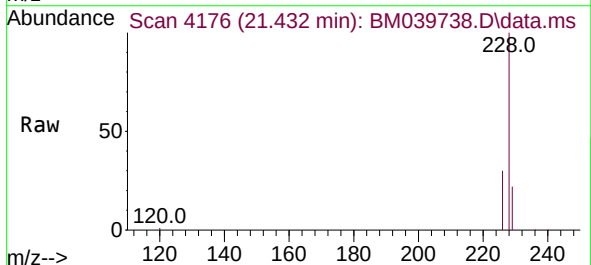
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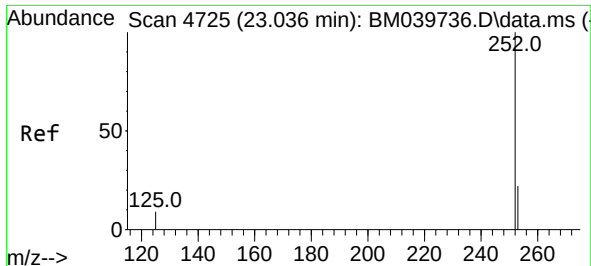


#22  
Chrysene  
Concen: 5.808 ng/ul  
RT: 21.432 min Scan# 4176  
Delta R.T. -0.015 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

Tgt Ion:228 Resp: 270388  
Ion Ratio Lower Upper  
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226 30.4 24.3 36.5  
229 21.7 15.9 23.9

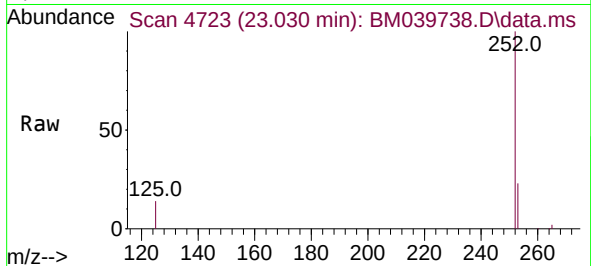






#24  
Benzo(b)fluoranthene  
Concen: 7.696 ng/ul  
RT: 23.030 min Scan# 4723  
Delta R.T. -0.015 min  
Lab File: BM039738.D  
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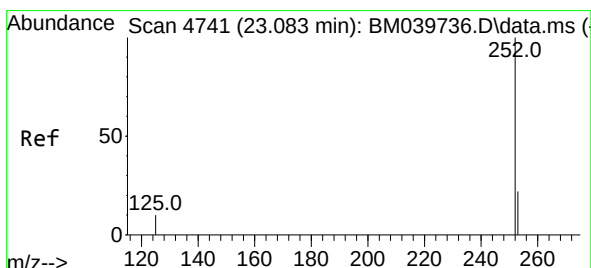
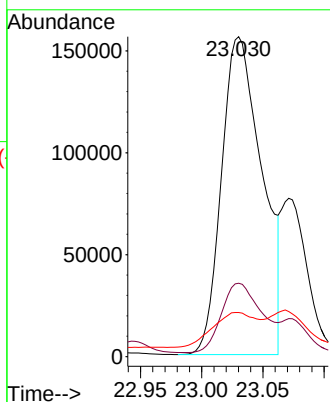
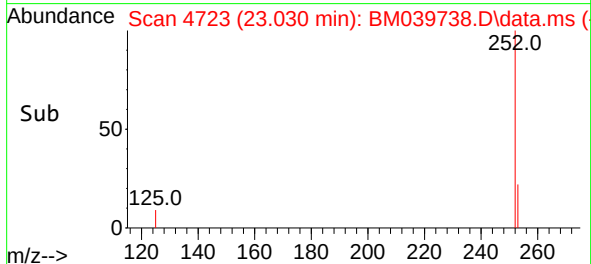
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



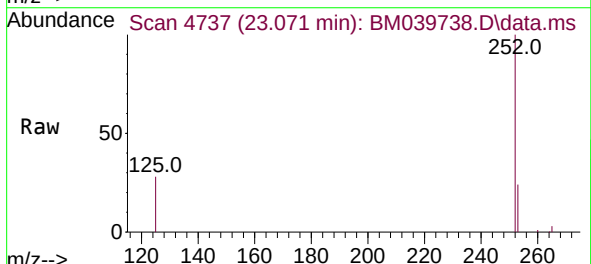
Tgt Ion:252 Resp: 359358  
Ion Ratio Lower Upper  
252 100  
253 23.0 0.0 52.8  
125 13.8 0.0 31.6

Manual Integrations  
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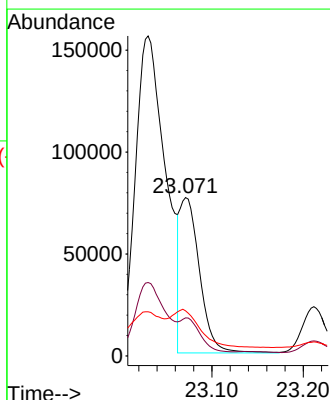
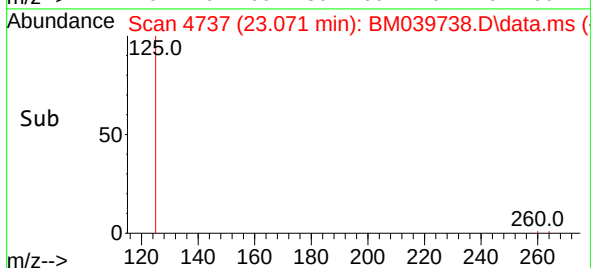
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

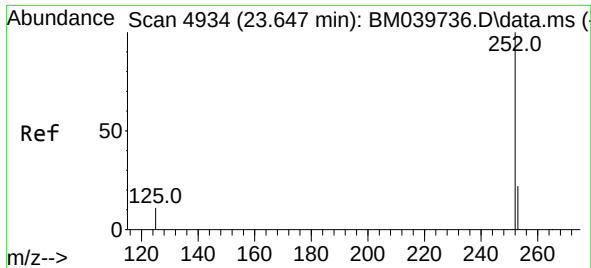


#25  
Benzo(k)fluoranthene  
Concen: 2.403 ng/ul m  
RT: 23.071 min Scan# 4737  
Delta R.T. -0.023 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19



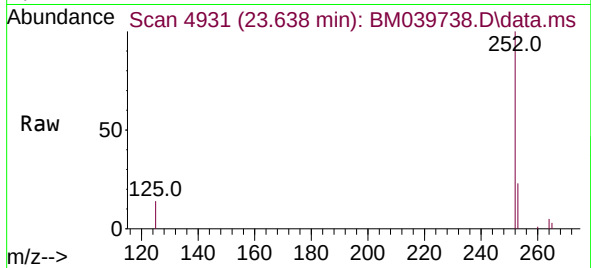
Tgt Ion:252 Resp: 114247  
Ion Ratio Lower Upper  
252 100  
253 24.0 21.3 31.9  
125 28.5 13.0 19.6#





#26  
Benzo(a)pyrene  
Concen: 5.133 ng/ul  
RT: 23.638 min Scan# 4931  
Delta R.T. -0.026 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

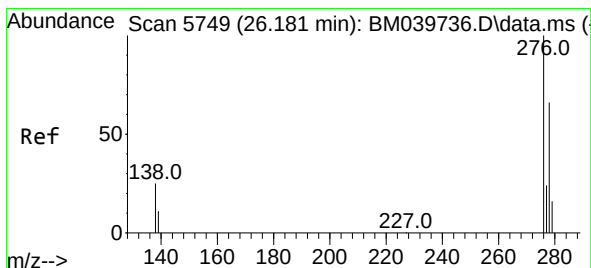
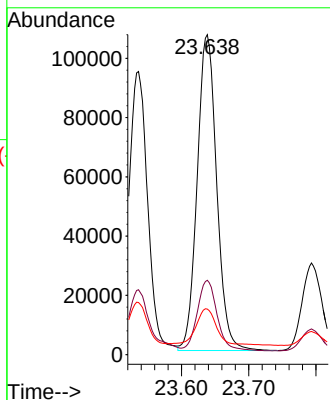
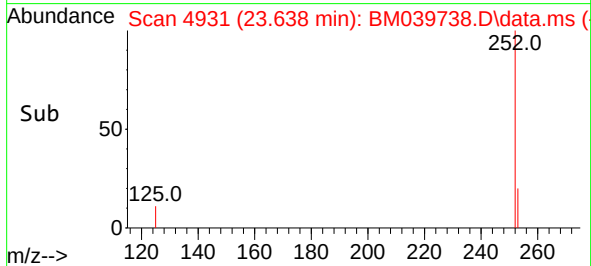
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



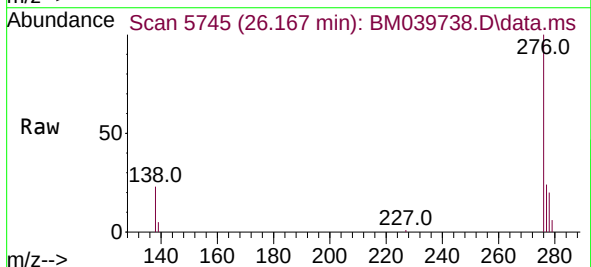
Tgt Ion:252 Resp: 215178  
Ion Ratio Lower Upper  
252 100  
253 23.2 24.7 37.1  
125 14.2 16.5 24.7

Manual Integrations  
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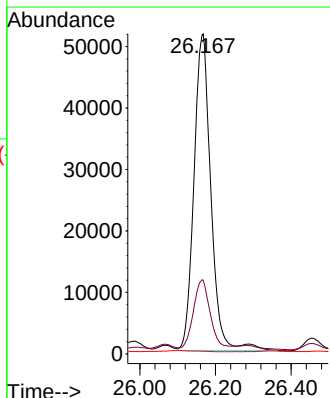
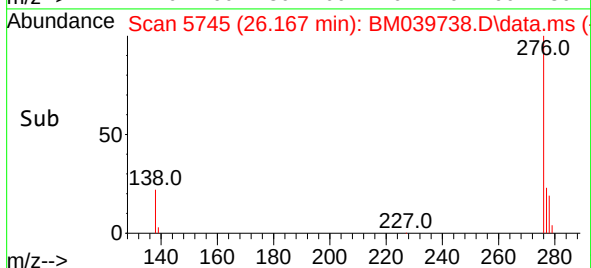
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

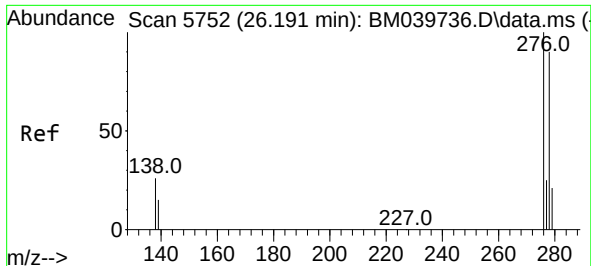


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 3.014 ng/ul  
RT: 26.167 min Scan# 5745  
Delta R.T. -0.033 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19



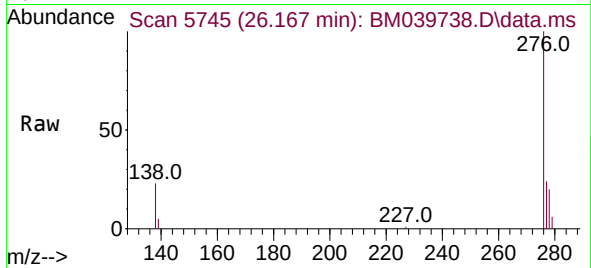
Tgt Ion:276 Resp: 159779  
Ion Ratio Lower Upper  
276 100  
138 23.3 21.1 31.7  
227 0.0 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.898 ng/ul  
RT: 26.167 min Scan# 51  
Delta R.T. -0.050 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19

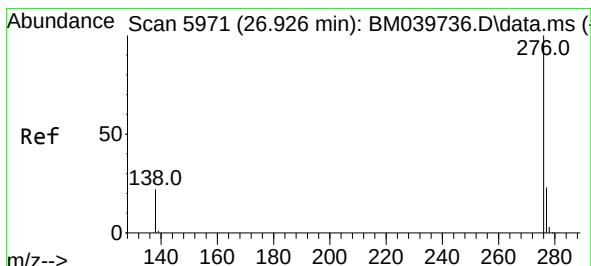
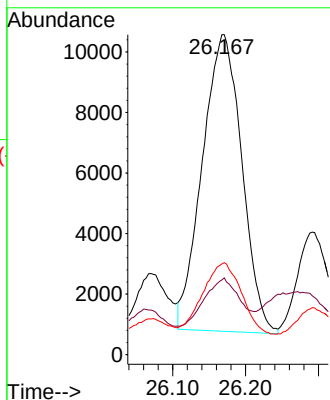
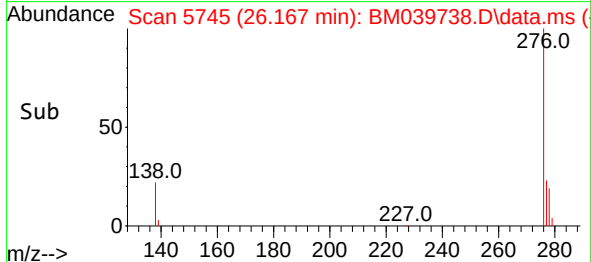
Instrument :  
BNA\_M  
ClientSampleId :  
EW906



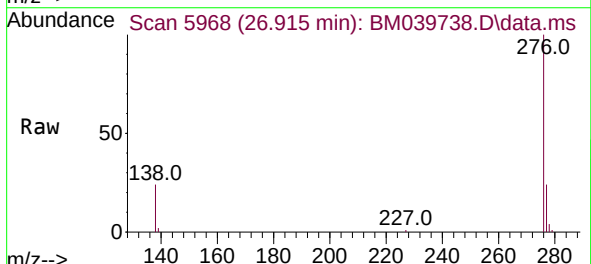
Tgt Ion:278 Resp: 36966  
Ion Ratio Lower Upper  
278 100  
139 23.3 17.0 25.6  
279 28.3 23.4 35.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#29  
Benzo(g,h,i)perylene  
Concen: 2.887 ng/ul  
RT: 26.915 min Scan# 5968  
Delta R.T. -0.033 min  
Lab File: BM039738.D  
Acq: 28 Apr 2023 16:19



Tgt Ion:276 Resp: 133353  
Ion Ratio Lower Upper  
276 100  
138 23.7 20.1 30.1  
277 24.4 20.1 30.1

