

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101322\  
 Data File : BM037081.D  
 Acq On : 15 Oct 2022 08:01  
 Operator : CG/JU  
 Sample : N5049-15  
 Misc :  
 ALS Vial : 78 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BS1

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/17/2022  
 Supervised By :mohammad ahmed 10/18/2022

Quant Time: Oct 17 00:54:10 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 15 04:13:53 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.926  | 152  | 6634     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.726 | 136  | 23854    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.556 | 164  | 13154    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.292 | 188  | 25976    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.468 | 240  | 17597    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.853 | 264  | 15432    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.335  | 96   | 34229    | 3.659 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.316 | 152  | 9504     | 0.264 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.317 | 212  | 18281    | 0.347 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.776 | 128  | 43026    | 0.631 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.387 | 142  | 38372    | 0.920 | ng/ul  | 92       |
| 8) 1-Methylnaphthalene      | 12.607 | 142  | 30379    | 0.717 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.274 | 152  | 7375     | 0.135 | ng/ul# | 85       |
| 12) Fluorene                | 15.602 | 166  | 1476     | 0.027 | ng/ul# | 75       |
| 15) Phenanthrene            | 17.334 | 178  | 46556    | 0.561 | ng/ul  | 99       |
| 16) Anthracene              | 17.427 | 178  | 6337     | 0.091 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.345 | 202  | 37491    | 0.536 | ng/ul# | 94       |
| 20) Pyrene                  | 19.707 | 202  | 36141m   | 0.495 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.450 | 228  | 17265    | 0.272 | ng/ul# | 85       |
| 22) Chrysene                | 21.503 | 228  | 28683m   | 0.420 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.125 | 252  | 29803    | 0.432 | ng/ul  | 86       |
| 25) Benzo(k)fluoranthene    | 23.169 | 252  | 9077m    | 0.135 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.747 | 252  | 16958    | 0.303 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.323 | 276  | 15726    | 0.198 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.329 | 278  | 3995     | 0.062 | ng/ul# | 49       |
| 29) Benzo(g,h,i)perylene    | 27.087 | 276  | 12410    | 0.178 | ng/ul# | 85       |
| -----                       |        |      |          |       |        |          |

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

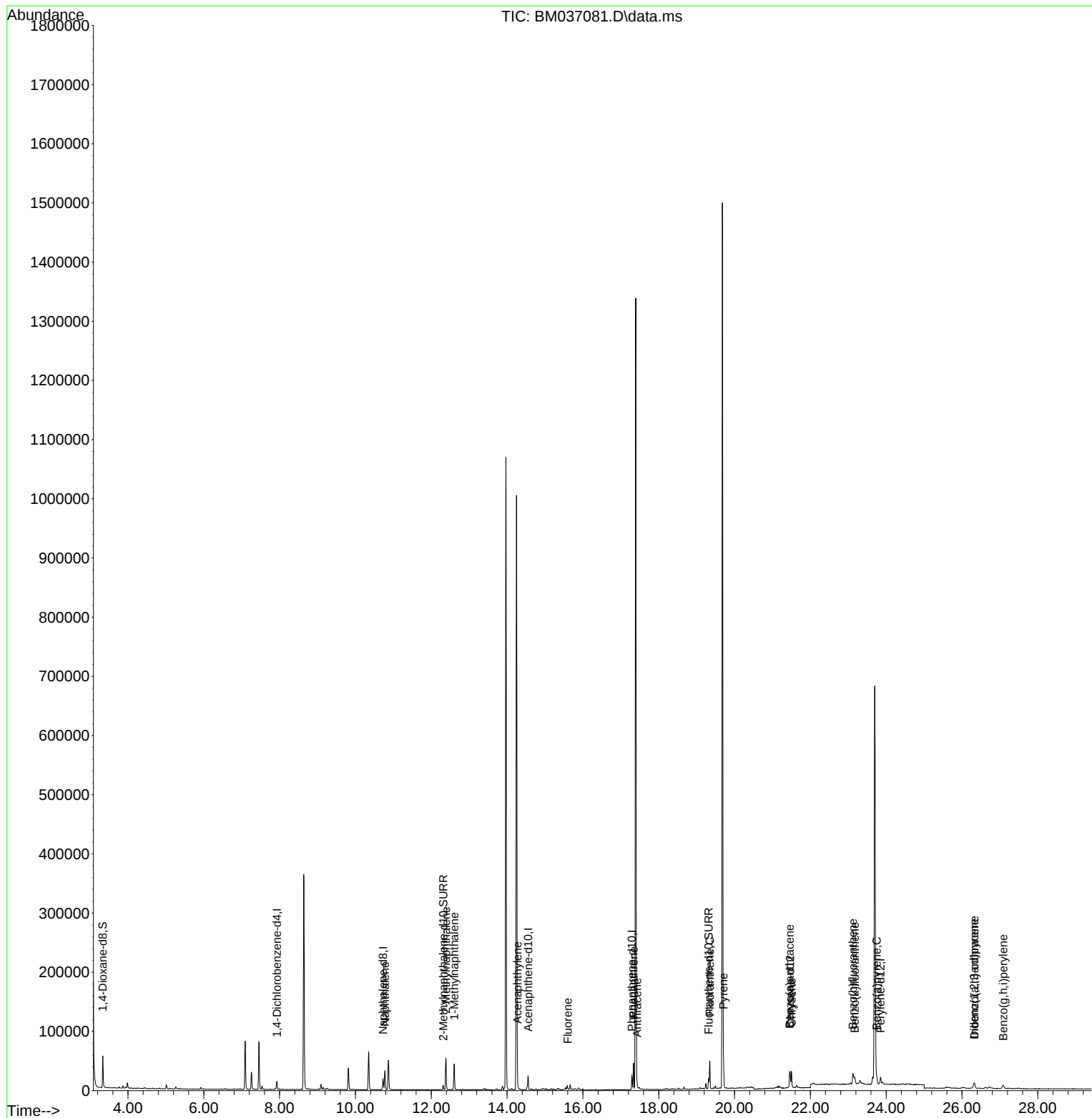
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Data File : BM037081.D  
Acq On : 15 Oct 2022 08:01  
Operator : CG/JU  
Sample : N5049-15  
Misc :  
ALS Vial : 78 Sample Multiplier: 1

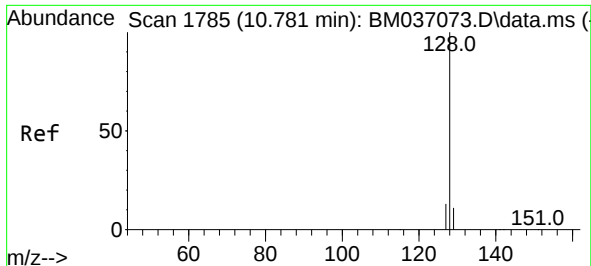
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1

Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 10/18/2022

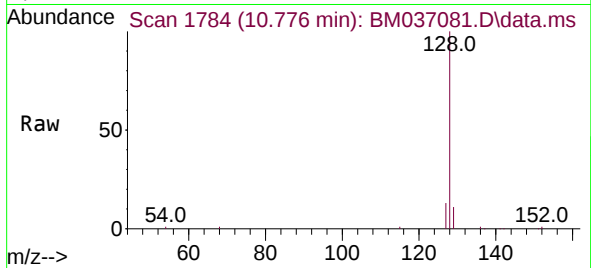
Quant Time: Oct 17 00:54:10 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 15 04:13:53 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.631 ng/ul  
RT: 10.776 min Scan# 1785  
Delta R.T. -0.006 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

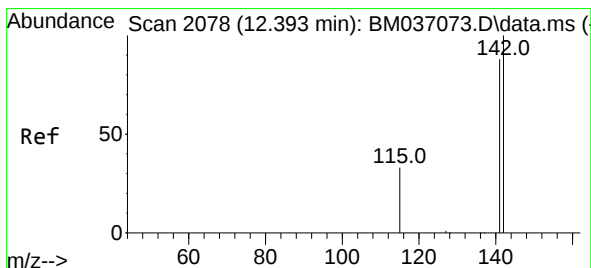
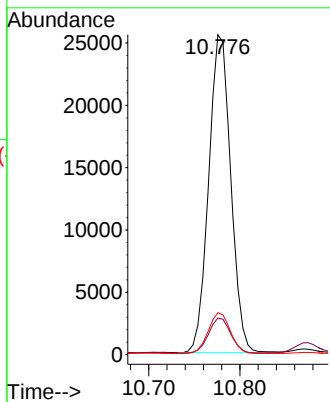
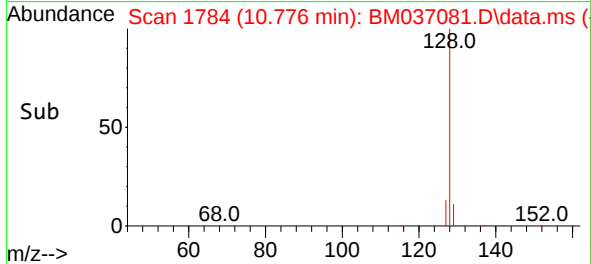
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



Tgt Ion:128 Resp: 43026  
Ion Ratio Lower Upper  
128 100  
129 11.4 10.2 15.2  
127 13.1 11.7 17.5

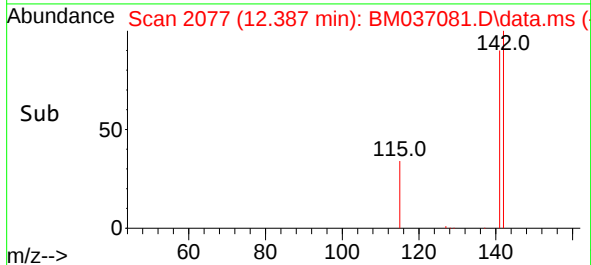
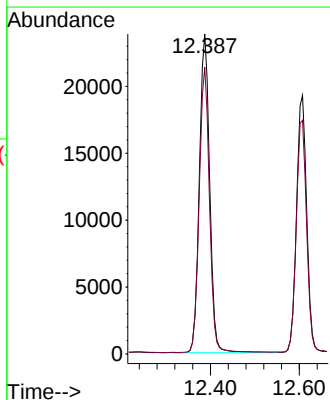
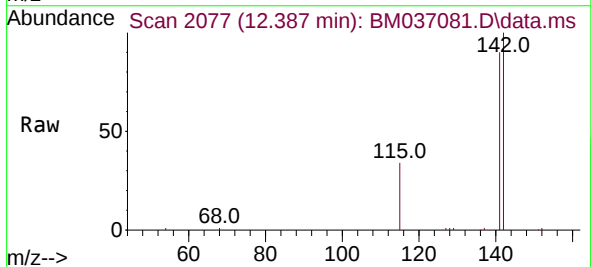
Manual Integrations  
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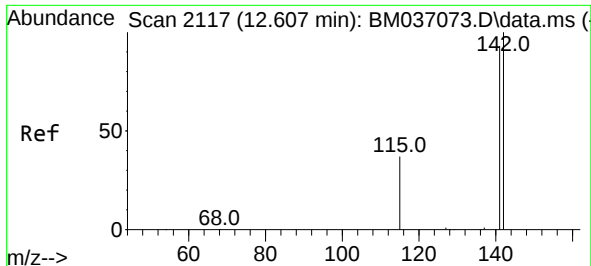
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#7  
2-Methylnaphthalene  
Concen: 0.920 ng/ul  
RT: 12.387 min Scan# 2077  
Delta R.T. -0.006 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

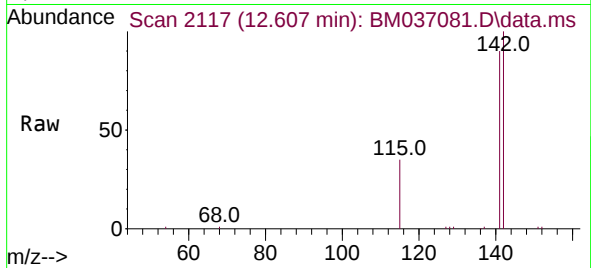
Tgt Ion:142 Resp: 38372  
Ion Ratio Lower Upper  
142 100  
141 88.8 77.4 116.0





#8  
1-Methylnaphthalene  
Concen: 0.717 ng/ul  
RT: 12.607 min Scan# 2117  
Delta R.T. -0.000 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

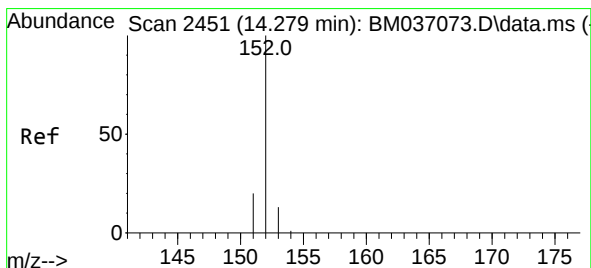
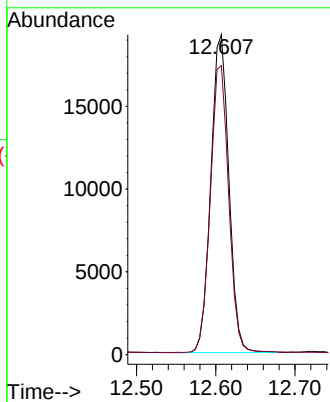
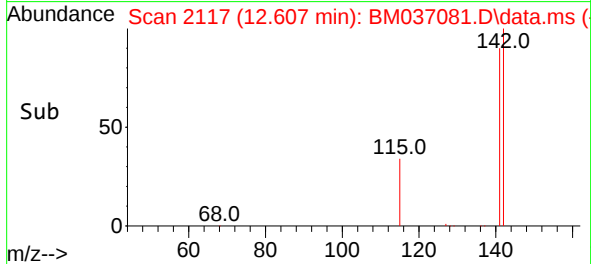
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



Tgt Ion:142 Resp: 30379  
Ion Ratio Lower Upper  
142 100  
141 91.7 74.1 111.1

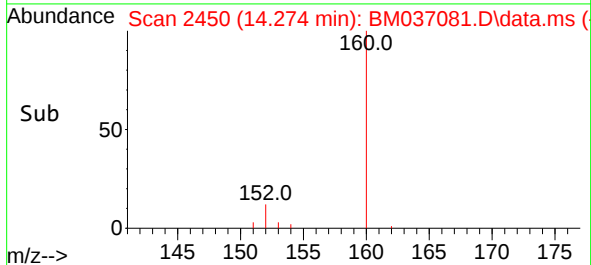
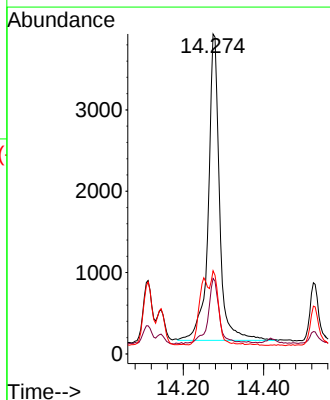
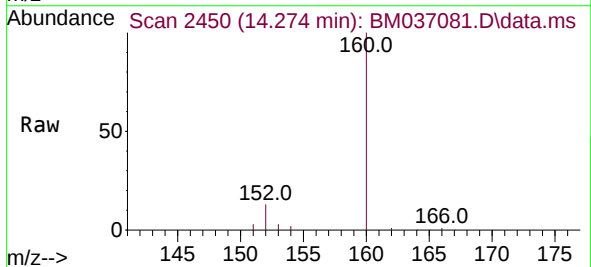
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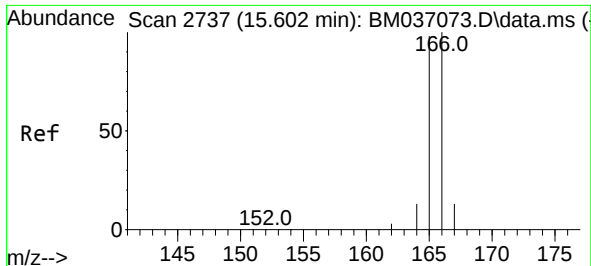
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#10  
Acenaphthylene  
Concen: 0.135 ng/ul  
RT: 14.274 min Scan# 2450  
Delta R.T. -0.005 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

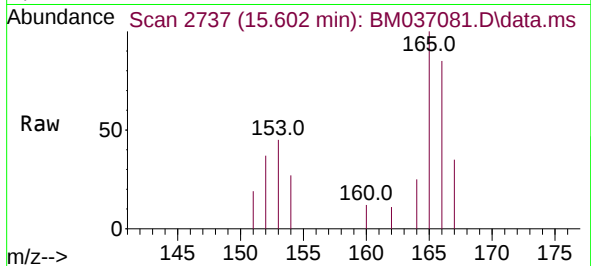
Tgt Ion:152 Resp: 7375  
Ion Ratio Lower Upper  
152 100  
151 23.6 16.6 24.8  
153 26.0 11.4 17.0#





#12  
Fluorene  
Concen: 0.027 ng/ul  
RT: 15.602 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

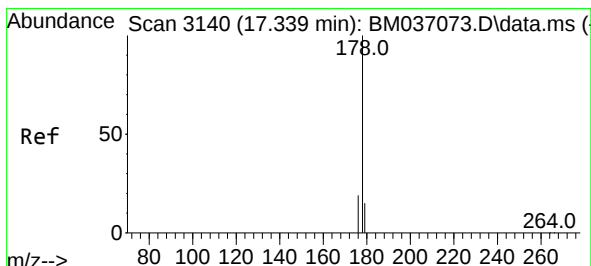
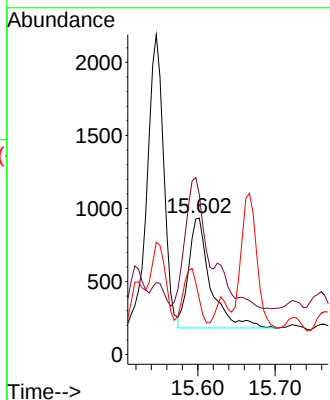
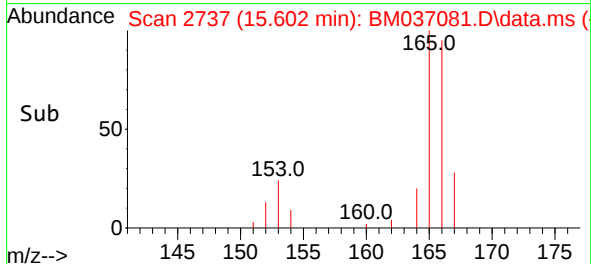
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



Tgt Ion:166 Resp: 1476  
Ion Ratio Lower Upper  
166 100  
165 117.2 78.9 118.3  
167 40.7 11.3 16.9

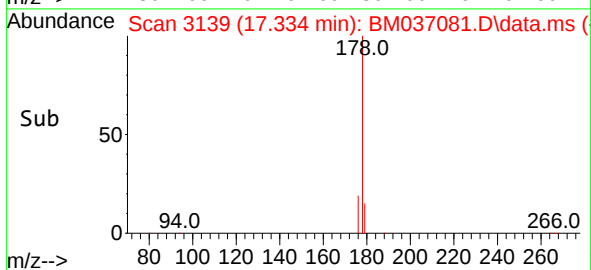
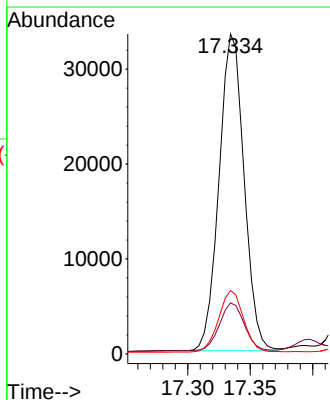
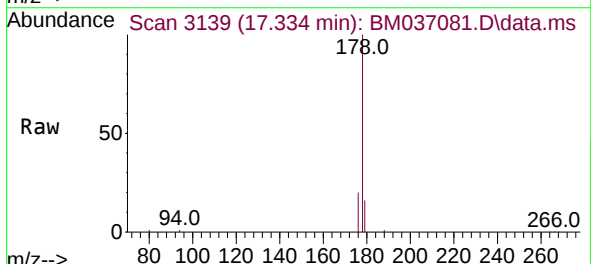
Manual Integrations  
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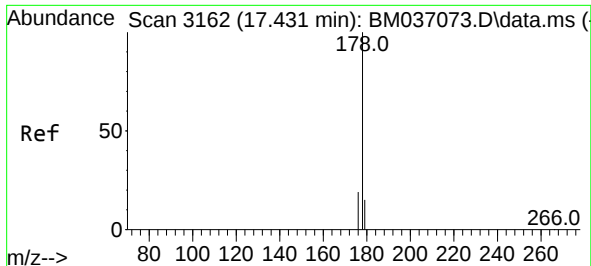
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#15  
Phenanthrene  
Concen: 0.561 ng/ul  
RT: 17.334 min Scan# 3139  
Delta R.T. -0.004 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

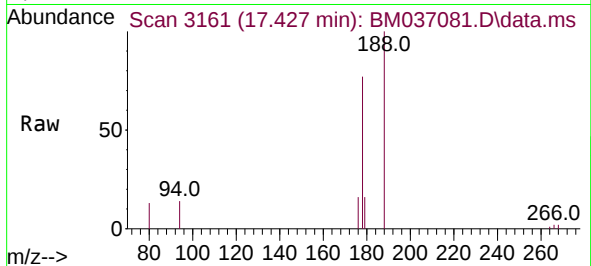
Tgt Ion:178 Resp: 46556  
Ion Ratio Lower Upper  
178 100  
179 15.9 13.0 19.6  
176 19.8 15.6 23.4





#16  
 Anthracene  
 Concen: 0.091 ng/ul  
 RT: 17.427 min Scan# 3161  
 Delta R.T. -0.004 min  
 Lab File: BM037081.D  
 Acq: 15 Oct 2022 08:01

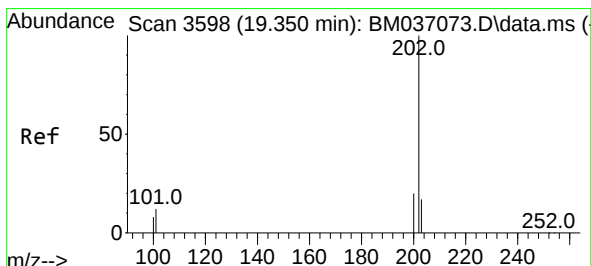
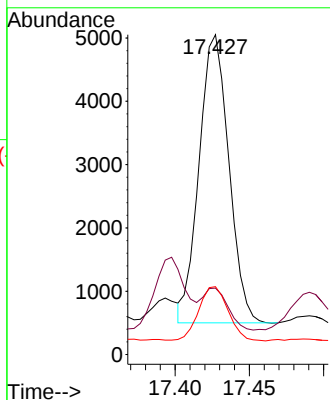
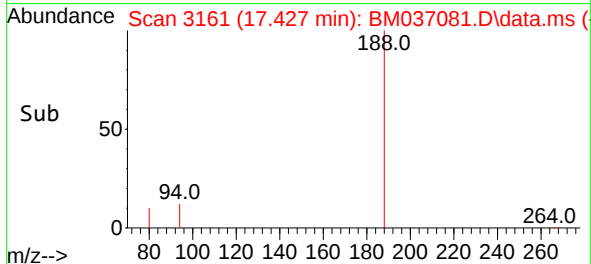
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BS1



Tgt Ion:178 Resp: 6337  
 Ion Ratio Lower Upper  
 178 100  
 179 20.8 13.6 20.4#  
 176 21.2 15.6 23.4

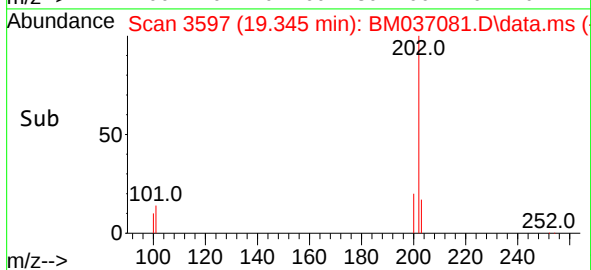
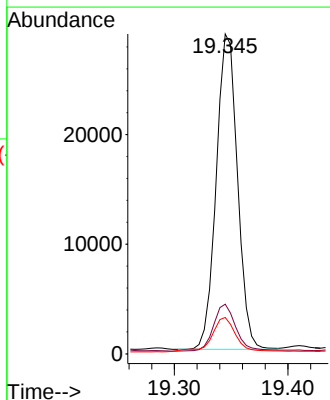
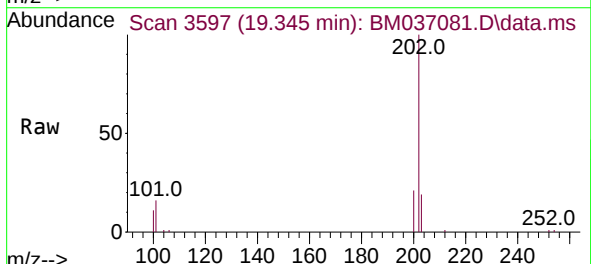
Manual Integrations  
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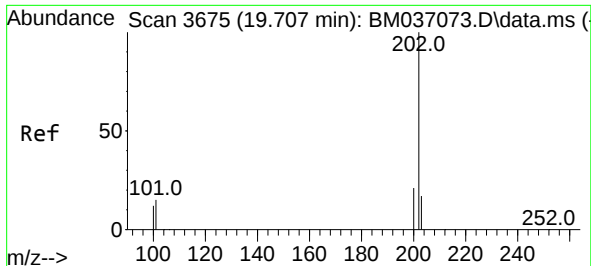
Reviewed By :Jagrut Upadhyay 10/17/2022  
 Supervised By :mohammad ahmed 10/18/2022



#19  
 Fluoranthene  
 Concen: 0.536 ng/ul  
 RT: 19.345 min Scan# 3597  
 Delta R.T. -0.005 min  
 Lab File: BM037081.D  
 Acq: 15 Oct 2022 08:01

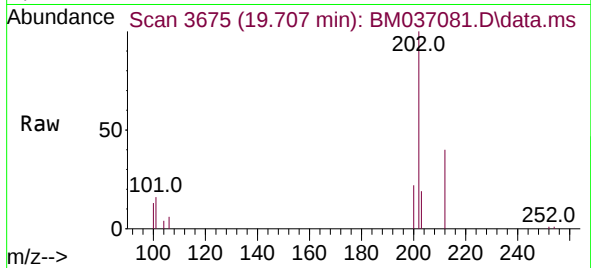
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 Ion Ratio Lower Upper  
 202 100  
 101 15.5 10.1 15.1#  
 100 11.4 7.9 11.9





#20  
Pyrene  
Concen: 0.495 ng/ul m  
RT: 19.707 min Scan# 3675  
Delta R.T. -0.000 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

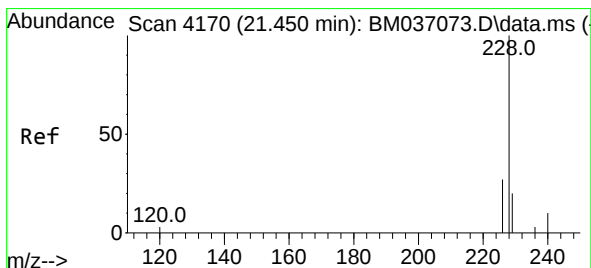
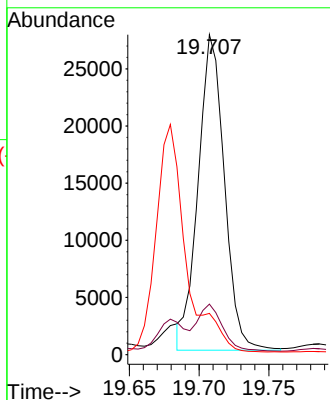
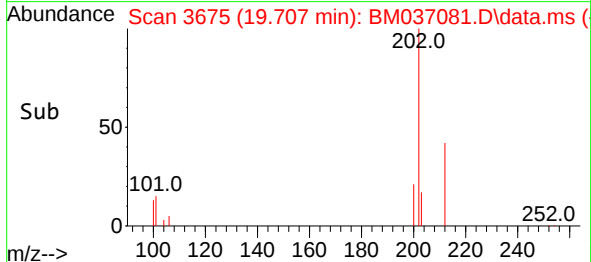
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



Tgt Ion:202 Resp: 3614  
Ion Ratio Lower Upper  
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100 12.9 9.8 14.6

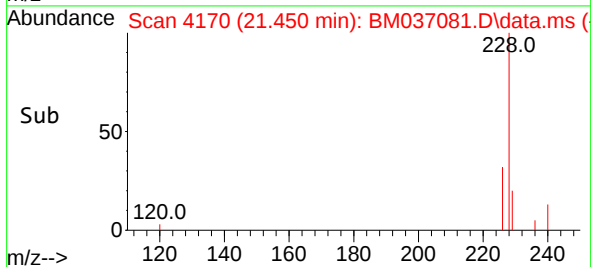
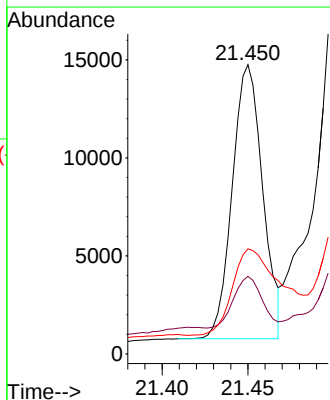
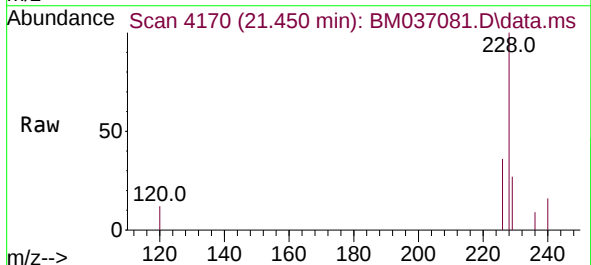
Manual Integrations  
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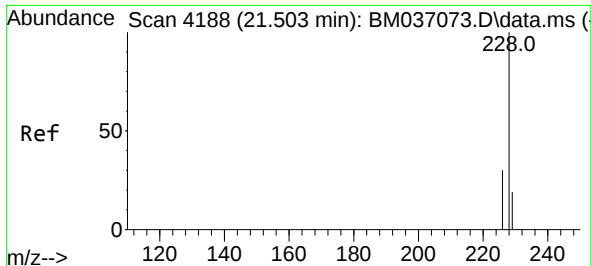
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#21  
Benzo(a)anthracene  
Concen: 0.272 ng/ul  
RT: 21.450 min Scan# 4170  
Delta R.T. -0.000 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

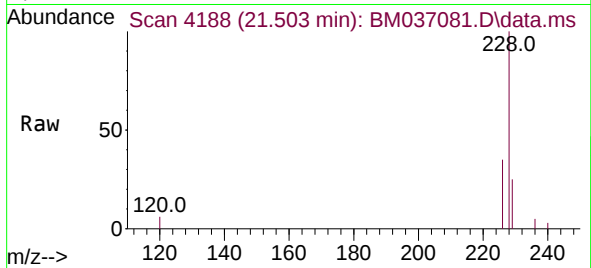
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Ion Ratio Lower Upper  
228 100  
229 26.8 16.2 24.2#  
226 36.3 22.5 33.7#





#22  
Chrysene  
Concen: 0.420 ng/ul m  
RT: 21.503 min Scan# 4188  
Delta R.T. -0.000 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

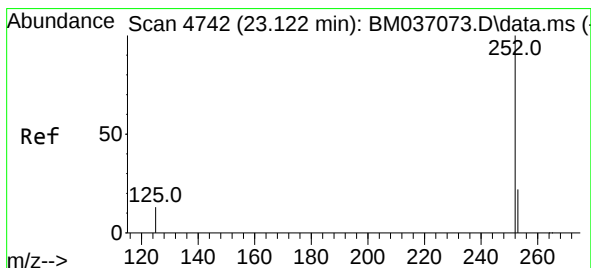
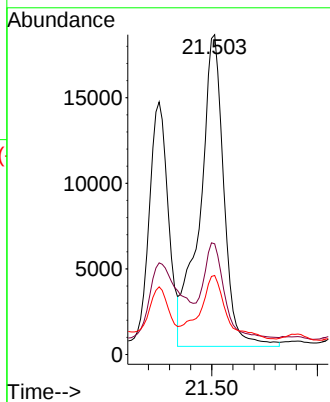
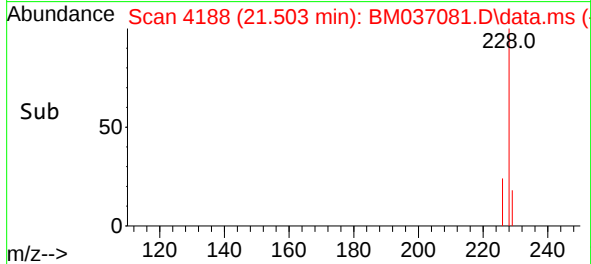
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



Tgt Ion:228 Resp: 28683  
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228 100  
226 34.6 24.6 37.0  
229 24.7 16.4 24.6

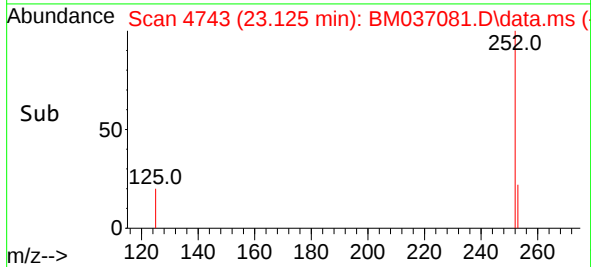
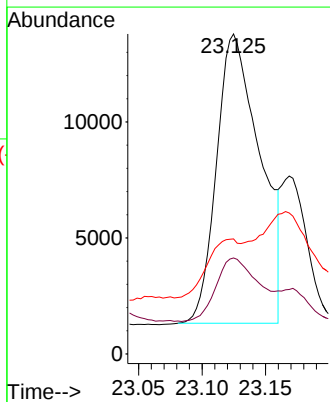
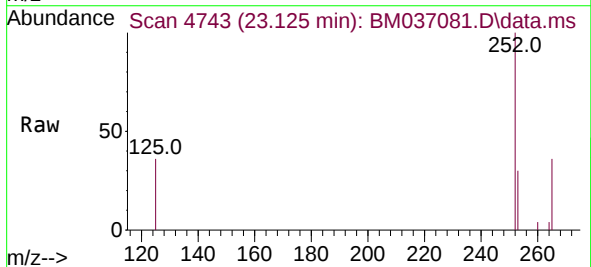
Manual Integrations  
APPROVED

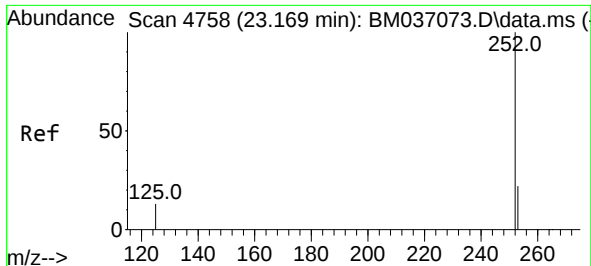
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#24  
Benzo(b)fluoranthene  
Concen: 0.432 ng/ul  
RT: 23.125 min Scan# 4743  
Delta R.T. 0.003 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

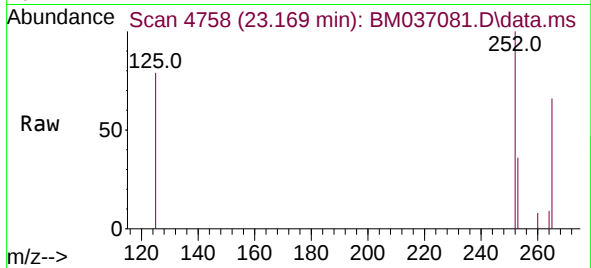
Tgt Ion:252 Resp: 29803  
Ion Ratio Lower Upper  
252 100  
253 30.0 0.0 61.4  
125 35.9 0.0 42.6





#25  
Benzo(k)fluoranthene  
Concen: 0.135 ng/ul m  
RT: 23.169 min Scan# 4758  
Delta R.T. -0.000 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

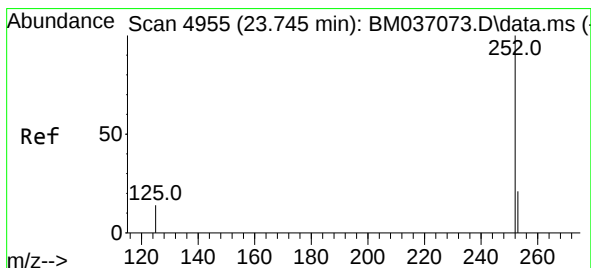
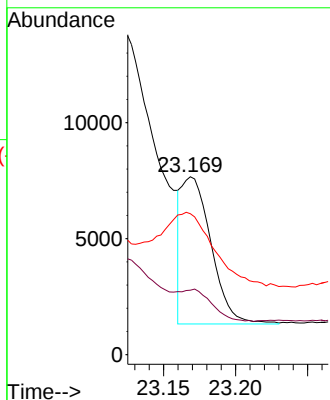
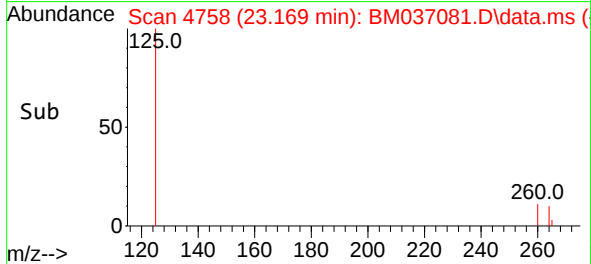
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



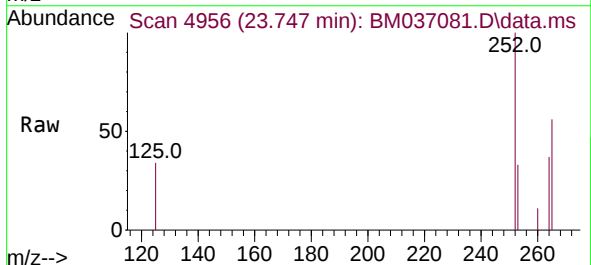
Tgt Ion:252 Resp: 9072  
Ion Ratio Lower Upper  
252 100  
253 36.2 25.2 37.8  
125 79.2 18.3 27.5

Manual Integrations  
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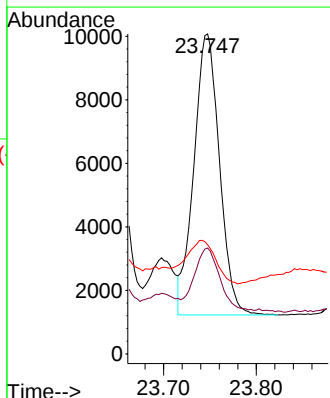
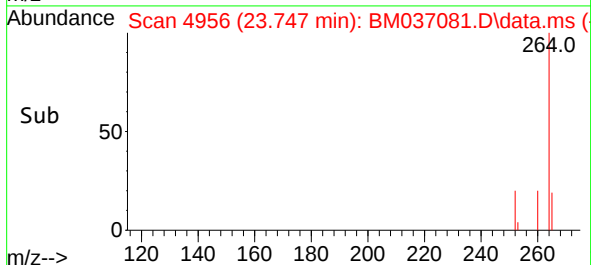
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022

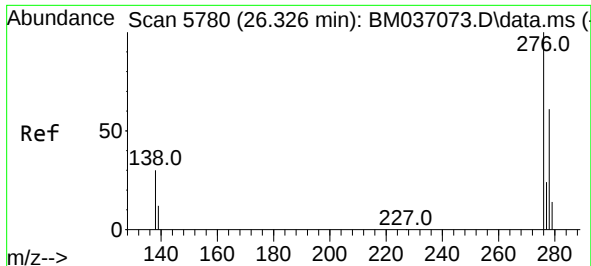


#26  
Benzo(a)pyrene  
Concen: 0.303 ng/ul  
RT: 23.747 min Scan# 4956  
Delta R.T. 0.003 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01



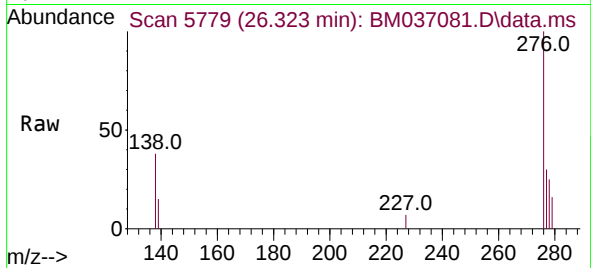
Tgt Ion:252 Resp: 16958  
Ion Ratio Lower Upper  
252 100  
253 33.1 29.7 44.5  
125 34.1 23.6 35.4





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.198 ng/ul  
RT: 26.323 min Scan# 5779  
Delta R.T. -0.003 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

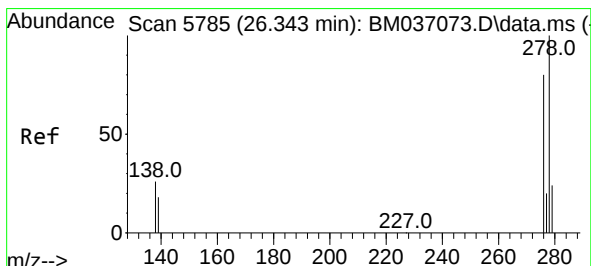
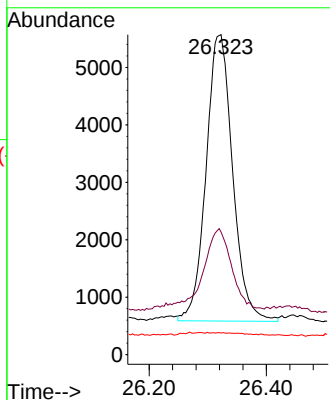
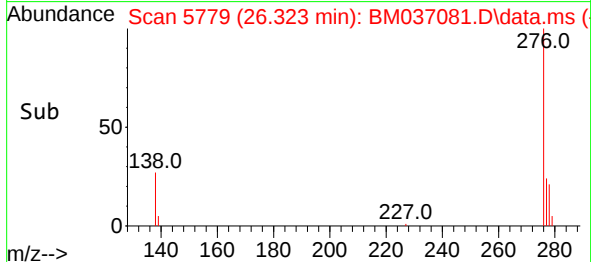
Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



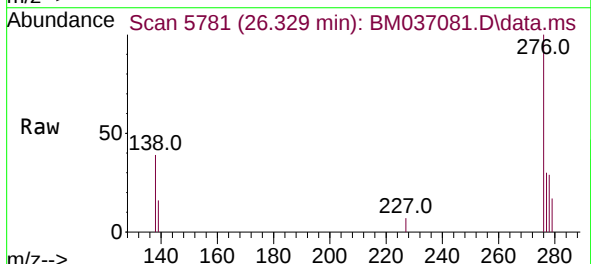
Tgt Ion:276 Resp: 15726  
Ion Ratio Lower Upper  
276 100  
138 28.6 23.9 35.9  
227 0.0 0.1 0.1

Manual Integrations  
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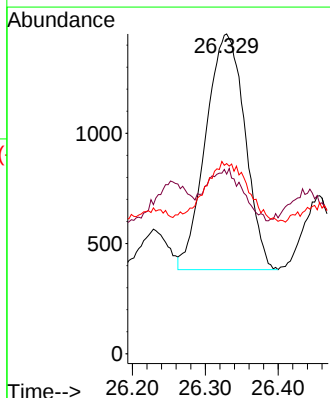
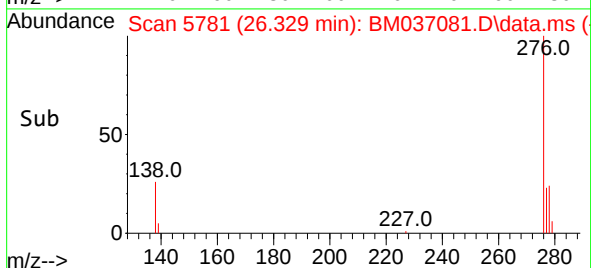
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022

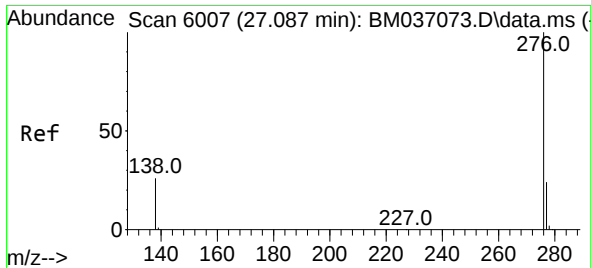


#28  
Dibenzo(a,h)anthracene  
Concen: 0.062 ng/ul  
RT: 26.329 min Scan# 5781  
Delta R.T. -0.013 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01



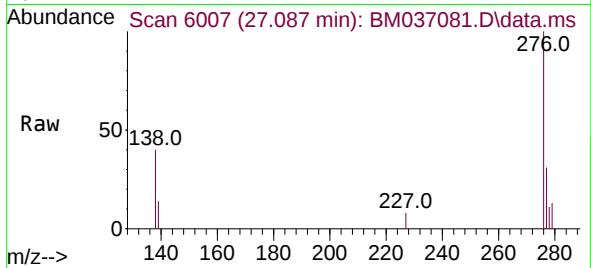
Tgt Ion:278 Resp: 3995  
Ion Ratio Lower Upper  
278 100  
139 56.2 19.8 29.6#  
279 59.5 27.7 41.5#





#29  
Benzo(g,h,i)perylene  
Concen: 0.178 ng/ul  
RT: 27.087 min Scan# 60  
Delta R.T. -0.000 min  
Lab File: BM037081.D  
Acq: 15 Oct 2022 08:01

Instrument :  
BNA\_M  
ClientSampleId :  
C0BS1



Tgt Ion:276 Resp: 12410  
Ion Ratio Lower Upper  
276 100  
138 40.2 23.4 35.0  
277 30.5 21.0 31.4

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022

