

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112122\  
 Data File : BM037650.D  
 Acq On : 22 Nov 2022 20:07  
 Operator : CG/JU  
 Sample : N5577-15  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C9839

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/23/2022  
 Supervised By :mohammad ahmed 11/25/2022

Quant Time: Nov 22 22:52:58 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 21 22:36:32 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.129  | 152  | 7975     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.948 | 136  | 24804    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.747 | 164  | 15246    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.479 | 188  | 32293    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.636 | 240  | 24503    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.124 | 264  | 25219    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.450  | 96   | 53904    | 5.813 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.520 | 152  | 11523    | 0.280 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.490 | 212  | 27783    | 0.343 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.997 | 128  | 3172     | 0.042 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 12.592 | 142  | 1832     | 0.036 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.812 | 142  | 1163     | 0.022 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.521 | 178  | 27506    | 0.249 | ng/ul  | 99       |
| 16) Anthracene              | 17.610 | 178  | 5504     | 0.052 | ng/ul# | 90       |
| 19) Fluoranthene            | 19.523 | 202  | 74778    | 0.633 | ng/ul  | 97       |
| 20) Pyrene                  | 19.885 | 202  | 57748m   | 0.470 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.619 | 228  | 29044    | 0.265 | ng/ul  | 99       |
| 22) Chrysene                | 21.674 | 228  | 30477    | 0.280 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.361 | 252  | 39808    | 0.346 | ng/ul# | 83       |
| 25) Benzo(k)fluoranthene    | 23.405 | 252  | 13858m   | 0.119 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.016 | 252  | 25562    | 0.256 | ng/ul# | 81       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.725 | 276  | 16389    | 0.124 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.741 | 278  | 4333     | 0.042 | ng/ul# | 64       |
| 29) Benzo(g,h,i)perylene    | 27.526 | 276  | 11826    | 0.105 | ng/ul# | 92       |
| -----                       |        |      |          |       |        |          |

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

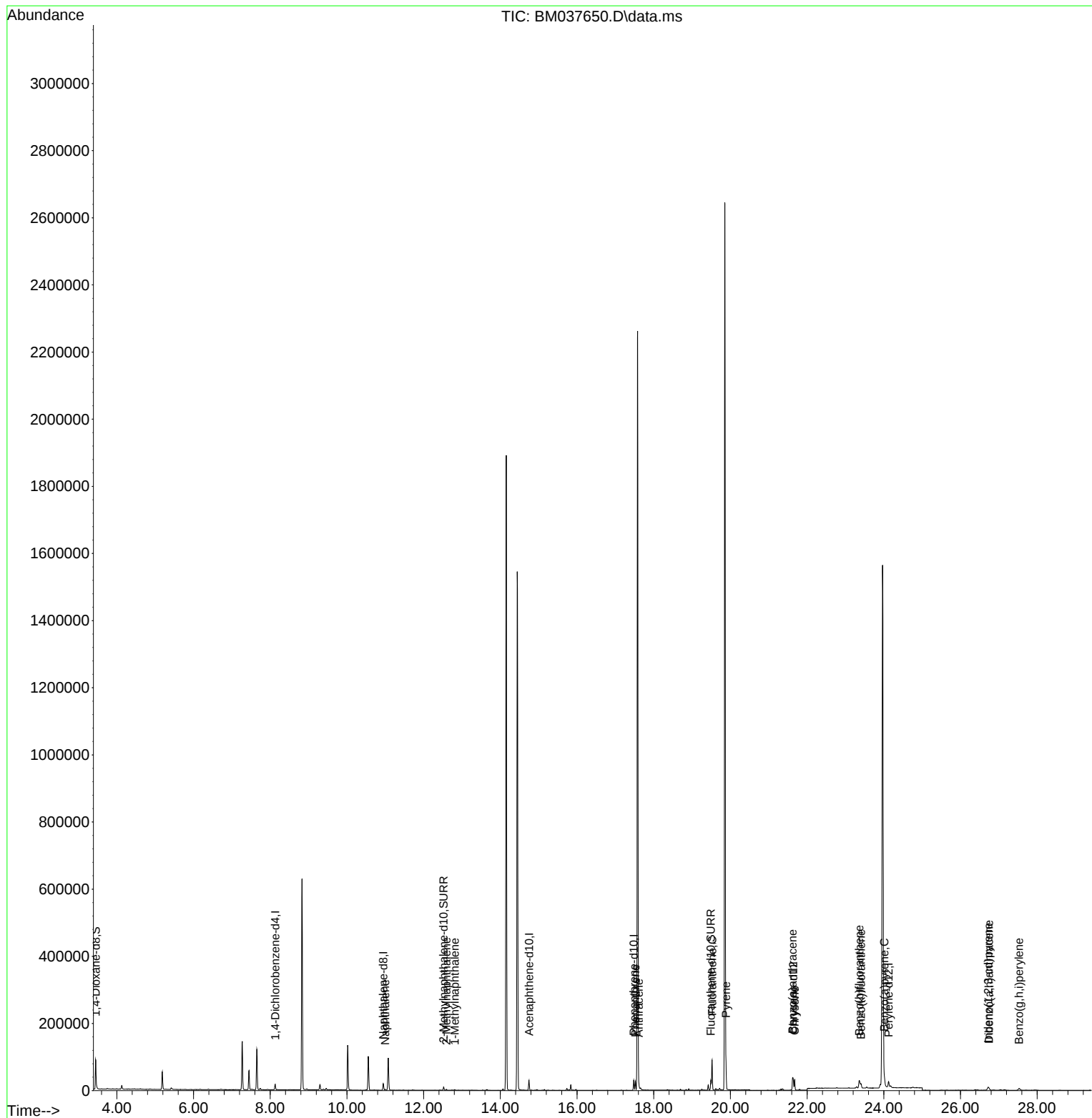
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112122\  
Data File : BM037650.D  
Acq On : 22 Nov 2022 20:07  
Operator : CG/JU  
Sample : N5577-15  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

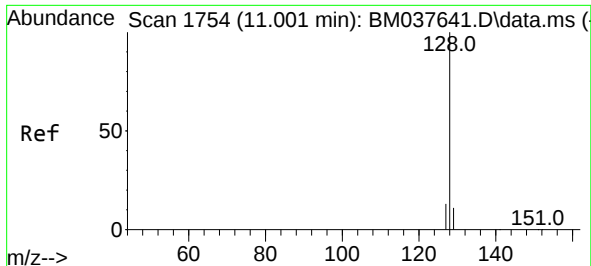
Instrument :  
BNA\_M  
ClientSampleId :  
C9839

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 11/23/2022  
Supervised By :mohammad ahmed 11/25/2022

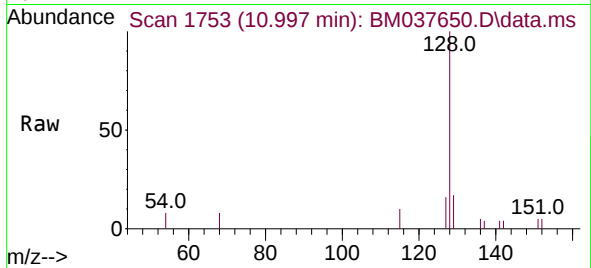
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM11622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 21 22:36:32 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.042 ng/ul  
RT: 10.997 min Scan# 1753  
Delta R.T. -0.004 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

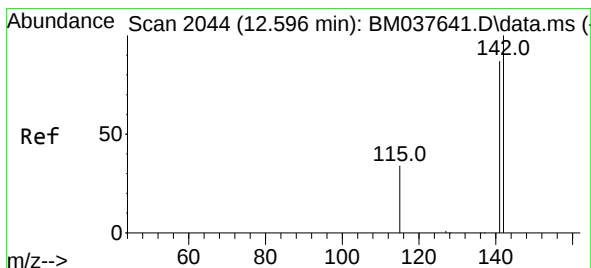
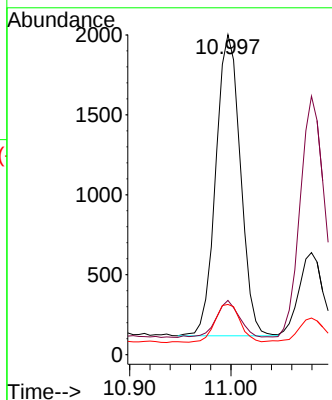
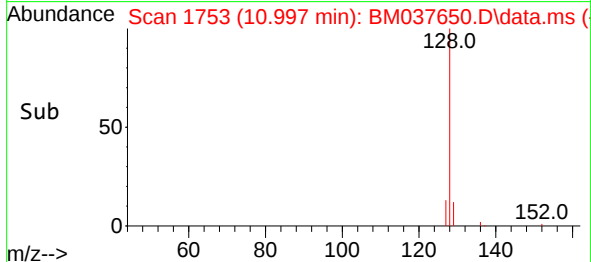
Instrument :  
BNA\_M  
ClientSampleId :  
C9839



Tgt Ion:128 Resp: 3172  
Ion Ratio Lower Upper  
128 100  
129 16.9 9.8 14.8  
127 15.7 11.0 16.4

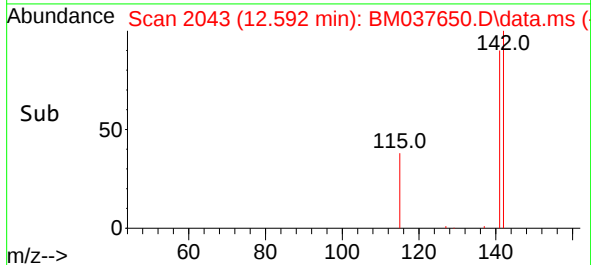
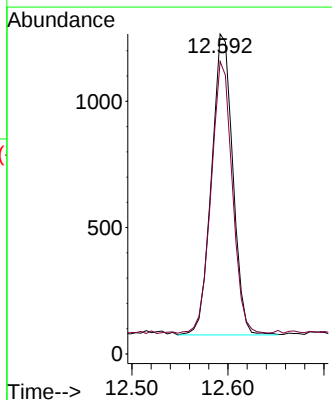
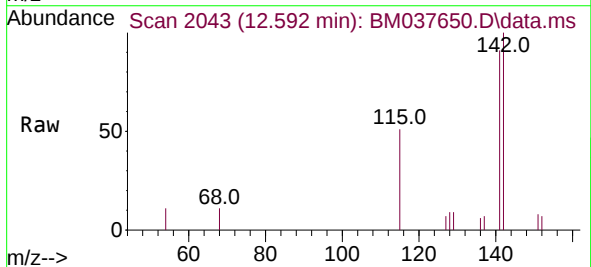
Manual Integrations  
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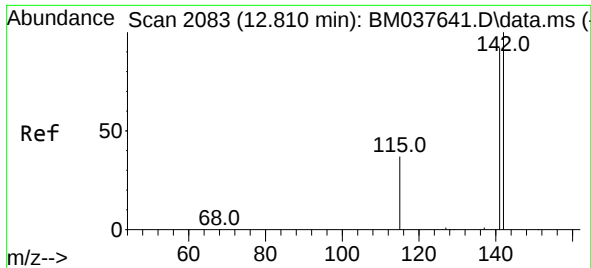
Reviewed By :Jagrut Upadhyay 11/23/2022  
Supervised By :mohammad ahmed 11/25/2022



#7  
2-Methylnaphthalene  
Concen: 0.036 ng/ul  
RT: 12.592 min Scan# 2043  
Delta R.T. -0.004 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

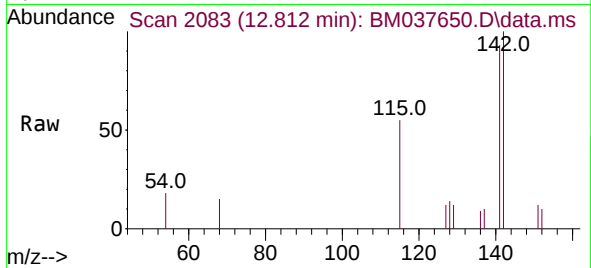
Tgt Ion:142 Resp: 1832  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.0 106.4





#8  
1-Methylnaphthalene  
Concen: 0.022 ng/ul  
RT: 12.812 min Scan# 2083  
Delta R.T. 0.001 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

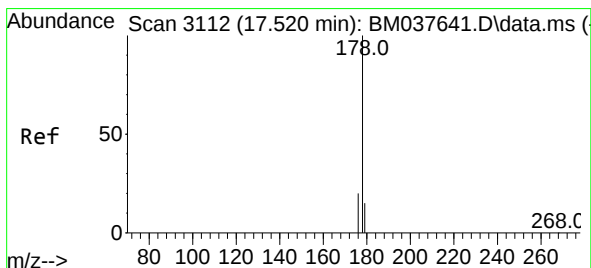
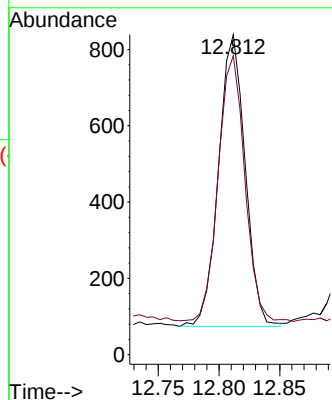
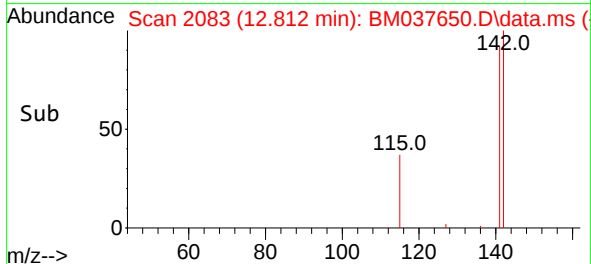
Instrument :  
BNA\_M  
ClientSampleId :  
C9839



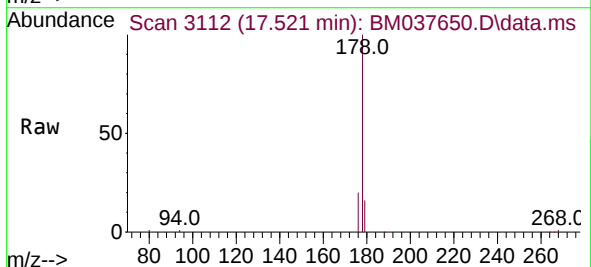
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Ion Ratio Lower Upper  
142 100  
141 90.8 73.4 110.0

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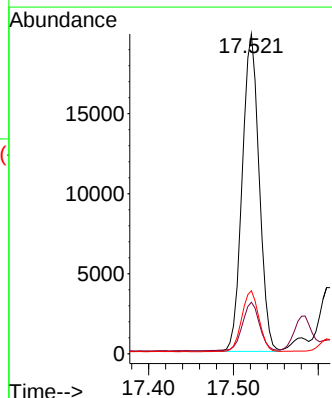
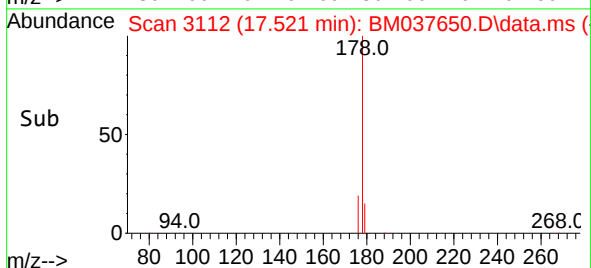
Reviewed By :Jagrut Upadhyay 11/23/2022  
Supervised By :mohammad ahmed 11/25/2022

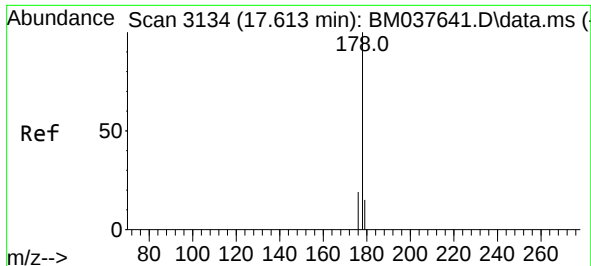


#15  
Phenanthrene  
Concen: 0.249 ng/ul  
RT: 17.521 min Scan# 3112  
Delta R.T. -0.003 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07



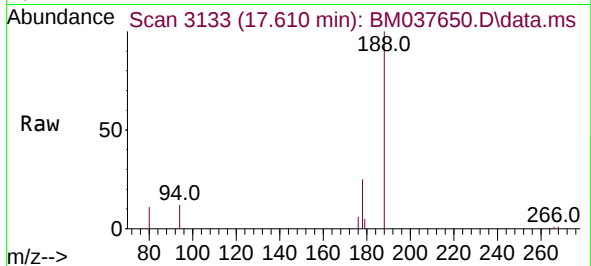
Tgt Ion:178 Resp: 27506  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.6 18.8  
176 19.7 16.0 24.0





#16  
 Anthracene  
 Concen: 0.052 ng/ul  
 RT: 17.610 min Scan# 3133  
 Delta R.T. -0.003 min  
 Lab File: BM037650.D  
 Acq: 22 Nov 2022 20:07

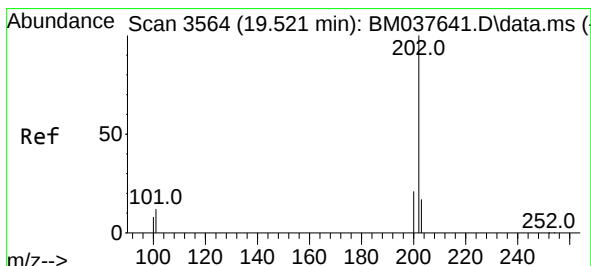
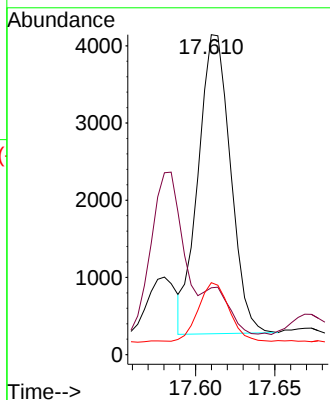
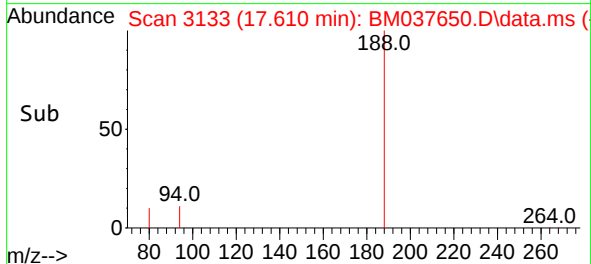
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C9839



Tgt Ion:178 Resp: 5504  
 Ion Ratio Lower Upper  
 178 100  
 179 20.9 12.8 19.2  
 176 22.5 15.0 22.6

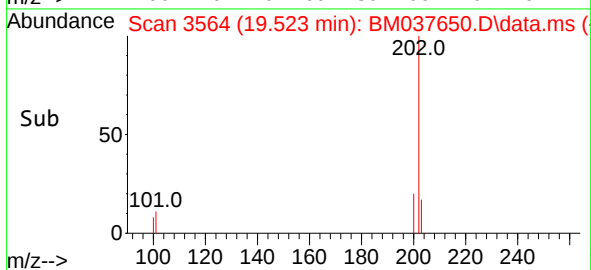
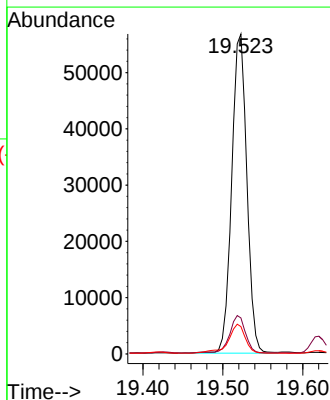
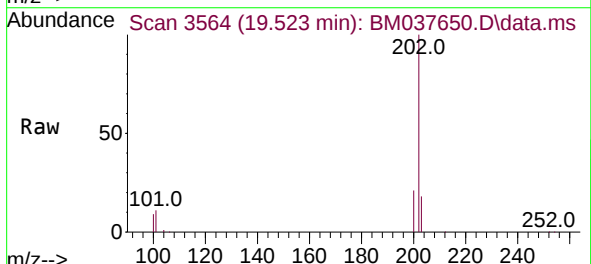
Manual Integrations  
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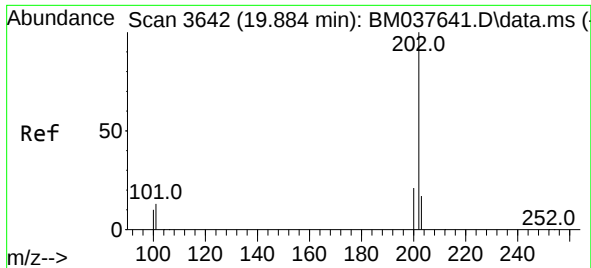
Reviewed By :Jagrut Upadhyay 11/23/2022  
 Supervised By :mohammad ahmed 11/25/2022



#19  
 Fluoranthene  
 Concen: 0.633 ng/ul  
 RT: 19.523 min Scan# 3564  
 Delta R.T. 0.001 min  
 Lab File: BM037650.D  
 Acq: 22 Nov 2022 20:07

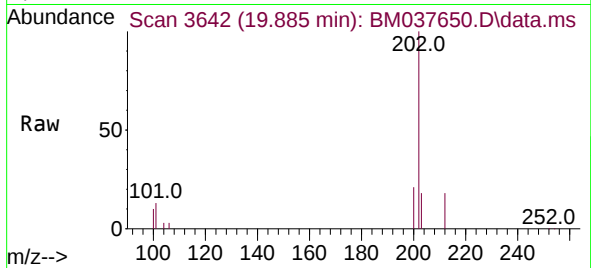
Tgt Ion:202 Resp: 74778  
 Ion Ratio Lower Upper  
 202 100  
 101 11.2 8.2 12.2  
 100 8.5 6.1 9.1





#20  
Pyrene  
Concen: 0.470 ng/ul m  
RT: 19.885 min Scan# 3642  
Delta R.T. 0.001 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

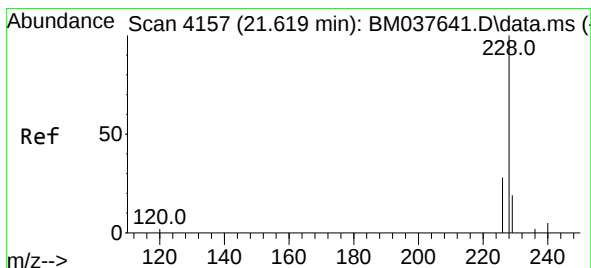
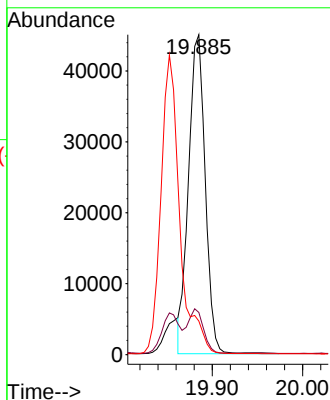
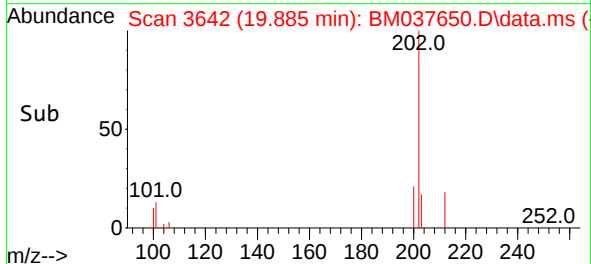
Instrument :  
BNA\_M  
ClientSampleId :  
C9839



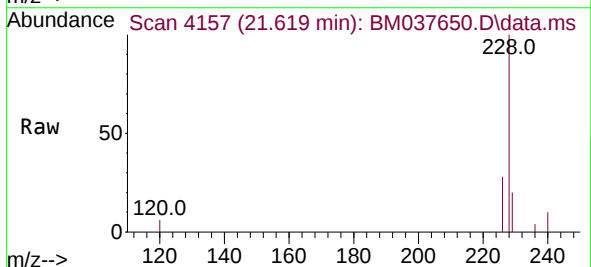
Tgt Ion:202 Resp: 57748  
Ion Ratio Lower Upper  
202 100  
101 13.2 10.1 15.1  
100 10.5 8.0 12.0

Manual Integrations  
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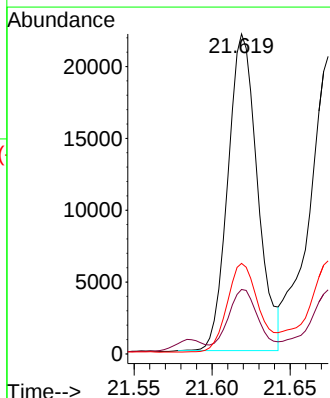
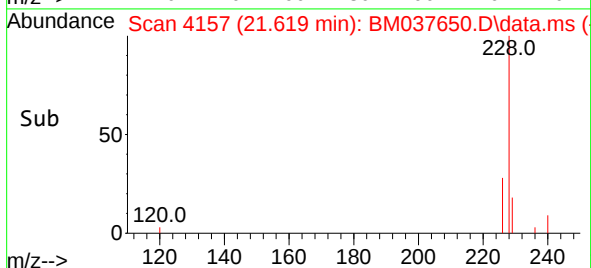
Reviewed By :Jagrut Upadhyay 11/23/2022  
Supervised By :mohammad ahmed 11/25/2022

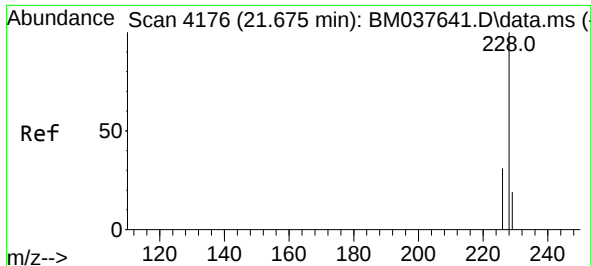


#21  
Benzo(a)anthracene  
Concen: 0.265 ng/ul  
RT: 21.619 min Scan# 4157  
Delta R.T. -0.003 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07



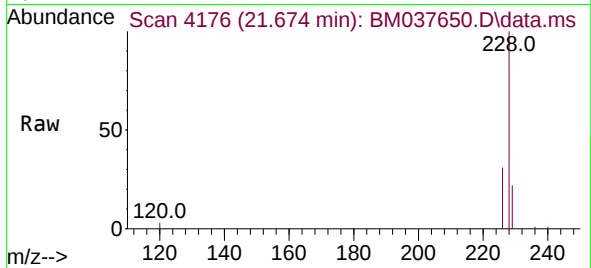
Tgt Ion:228 Resp: 29044  
Ion Ratio Lower Upper  
228 100  
229 20.1 15.7 23.5  
226 28.3 22.2 33.2





#22  
Chrysene  
Concen: 0.280 ng/ul  
RT: 21.674 min Scan# 4176  
Delta R.T. -0.000 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

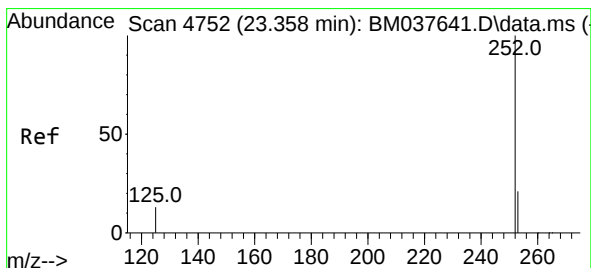
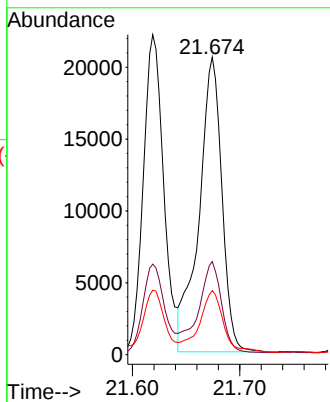
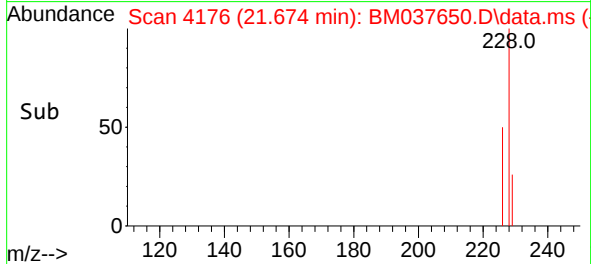
Instrument :  
BNA\_M  
ClientSampleId :  
C9839



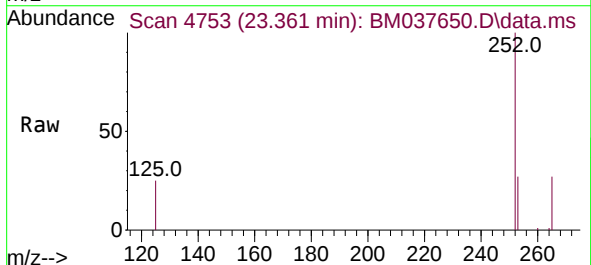
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Ion Ratio Lower Upper  
228 100  
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Manual Integrations  
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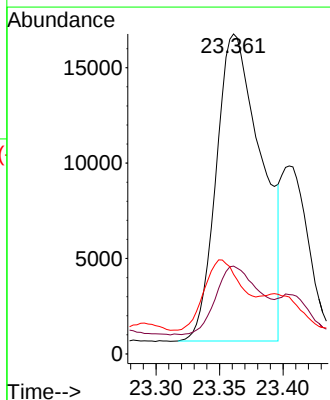
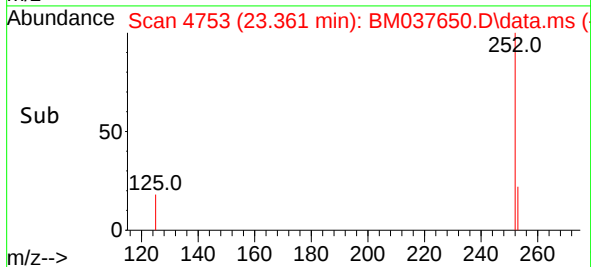
Reviewed By :Jagrut Upadhyay 11/23/2022  
Supervised By :mohammad ahmed 11/25/2022

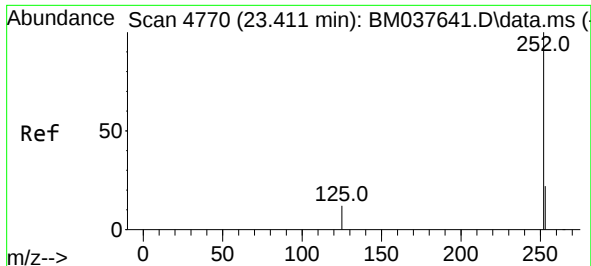


#24  
Benzo(b)fluoranthene  
Concen: 0.346 ng/ul  
RT: 23.361 min Scan# 4753  
Delta R.T. -0.000 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07



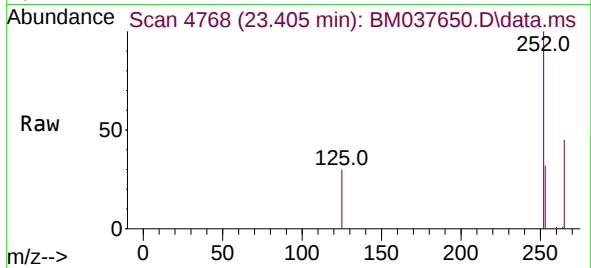
Tgt Ion:252 Resp: 39808  
Ion Ratio Lower Upper  
252 100  
253 27.4 0.0 46.2  
125 24.9 0.0 23.4#





#25  
Benzo(k)fluoranthene  
Concen: 0.119 ng/ul m  
RT: 23.405 min Scan# 4768  
Delta R.T. -0.006 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

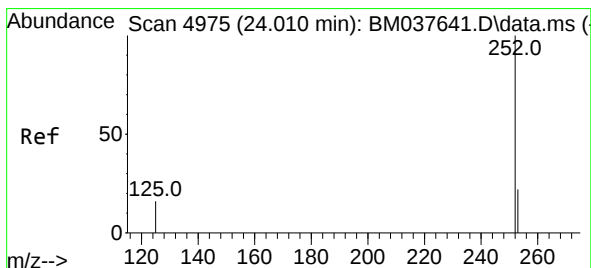
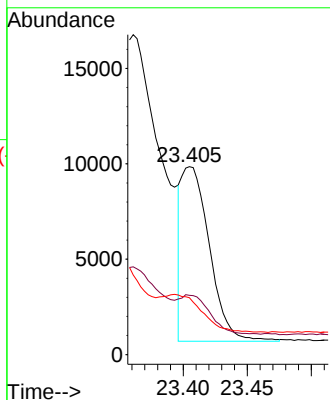
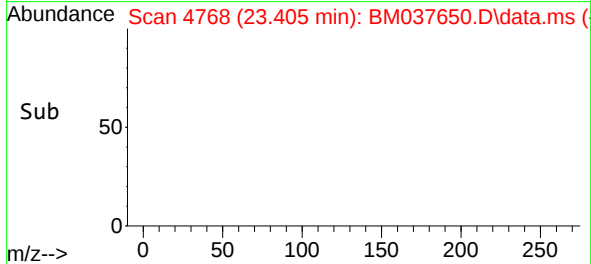
Instrument :  
BNA\_M  
ClientSampleId :  
C9839



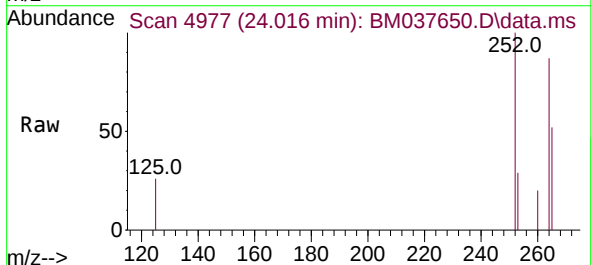
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125 30.3 9.8 14.6#

Manual Integrations  
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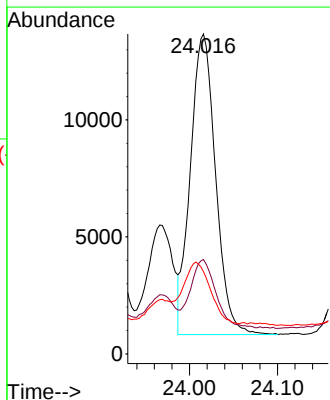
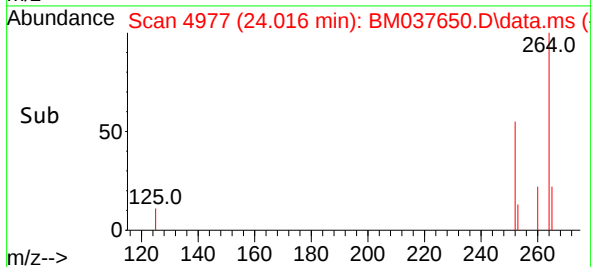
Reviewed By :Jagrut Upadhyay 11/23/2022  
Supervised By :mohammad ahmed 11/25/2022

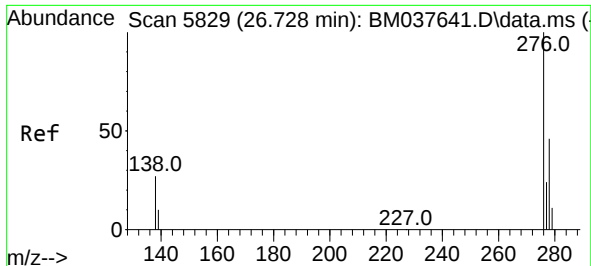


#26  
Benzo(a)pyrene  
Concen: 0.256 ng/ul  
RT: 24.016 min Scan# 4977  
Delta R.T. 0.003 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07



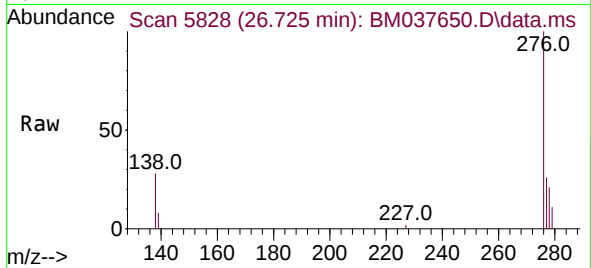
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Ion Ratio Lower Upper  
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253 29.5 18.8 28.2#  
125 25.7 10.5 15.7#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.124 ng/ul  
RT: 26.725 min Scan# 5829  
Delta R.T. -0.004 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

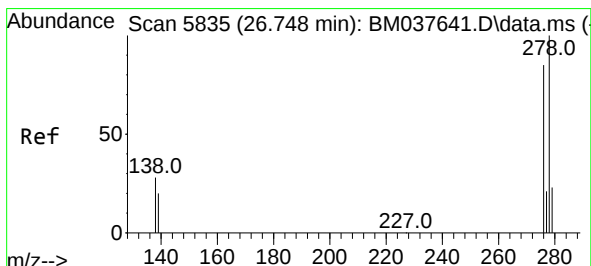
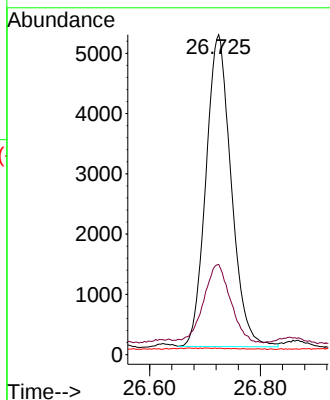
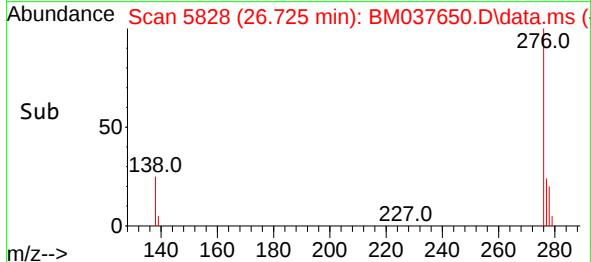
Instrument :  
BNA\_M  
ClientSampleId :  
C9839



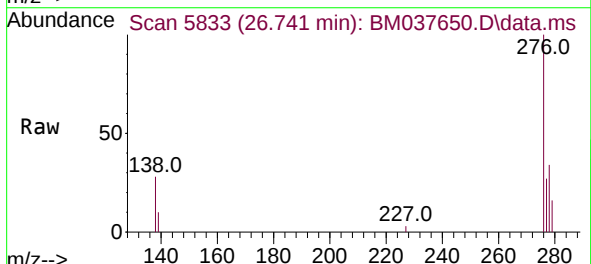
Tgt Ion: 276 Resp: 16389  
Ion Ratio Lower Upper  
276 100  
138 27.4 21.2 31.8  
227 0.0 0.1 0.1

Manual Integrations  
APPROVED

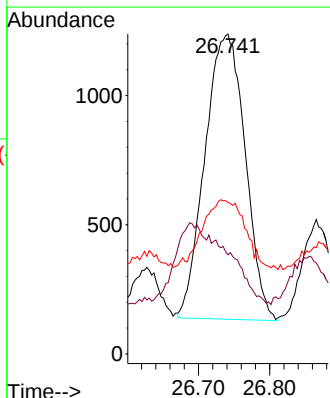
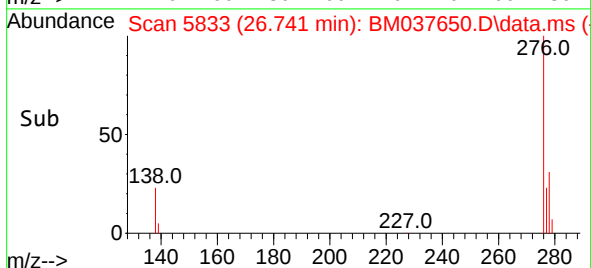
Reviewed By : Jagrut Upadhyay 11/23/2022  
Supervised By : mohammad ahmed 11/25/2022

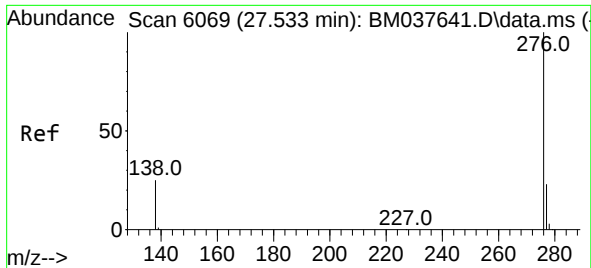


#28  
Dibenzo(a,h)anthracene  
Concen: 0.042 ng/ul  
RT: 26.741 min Scan# 5833  
Delta R.T. -0.007 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07



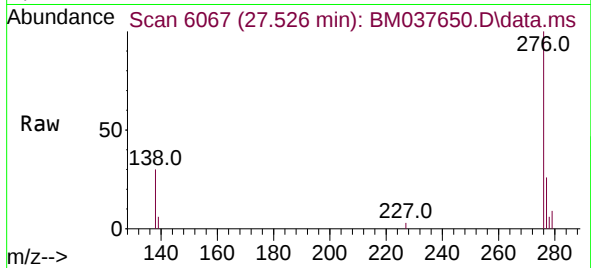
Tgt Ion: 278 Resp: 4333  
Ion Ratio Lower Upper  
278 100  
139 31.0 15.2 22.8#  
279 47.3 20.2 30.2#





#29  
Benzo(g,h,i)perylene  
Concen: 0.105 ng/ul  
RT: 27.526 min Scan# 6067  
Delta R.T. -0.007 min  
Lab File: BM037650.D  
Acq: 22 Nov 2022 20:07

Instrument :  
BNA\_M  
ClientSampleId :  
C9839



Tgt Ion:276 Resp: 11826  
Ion Ratio Lower Upper  
276 100  
138 29.7 19.0 28.4  
277 26.3 19.4 29.2

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 11/23/2022  
Supervised By :mohammad ahmed 11/25/2022

