

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061024\  
 Data File : BM045961.D  
 Acq On : 10 Jun 2024 21:23  
 Operator : MA/JU  
 Sample : P2642-05DL 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BH0DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 23:12:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM060624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 22:47:12 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.459  | 152  | 4602     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.238 | 136  | 14510    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.109 | 164  | 8053     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.850 | 188  | 16390    | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.044 | 240  | 13661    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.148 | 264  | 15244m   | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.059  | 96   | 4201     | 0.801 | ng/ul  | -0.03    |
| 6) 2-Methylnaphthalene-d10  | 11.860 | 152  | 891      | 0.043 | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 18.881 | 212  | 2032     | 0.050 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.288 | 128  | 1446     | 0.038 | ng/ul# | 81       |
| 10) Acenaphthylene          | 13.827 | 152  | 1705     | 0.047 | ng/ul# | 86       |
| 11) Acenaphthene            | 14.169 | 153  | 1642     | 0.061 | ng/ul  | 97       |
| 12) Fluorene                | 15.164 | 166  | 1984     | 0.066 | ng/ul# | 98       |
| 15) Phenanthrene            | 16.888 | 178  | 33643    | 0.731 | ng/ul  | 99       |
| 16) Anthracene              | 16.981 | 178  | 6637     | 0.169 | ng/ul# | 93       |
| 19) Fluoranthene            | 18.909 | 202  | 47810    | 0.878 | ng/ul  | 99       |
| 20) Pyrene                  | 19.272 | 202  | 44024    | 0.775 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.029 | 228  | 20640    | 0.412 | ng/ul  | 97       |
| 22) Chrysene                | 21.079 | 228  | 20252    | 0.371 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.528 | 252  | 26908m   | 0.532 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.563 | 252  | 10096m   | 0.182 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.054 | 252  | 19538    | 0.389 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.209 | 276  | 14522    | 0.223 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 25.212 | 278  | 3102     | 0.060 | ng/ul# | 60       |
| 29) Benzo(g,h,i)perylene    | 25.836 | 276  | 14716    | 0.262 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

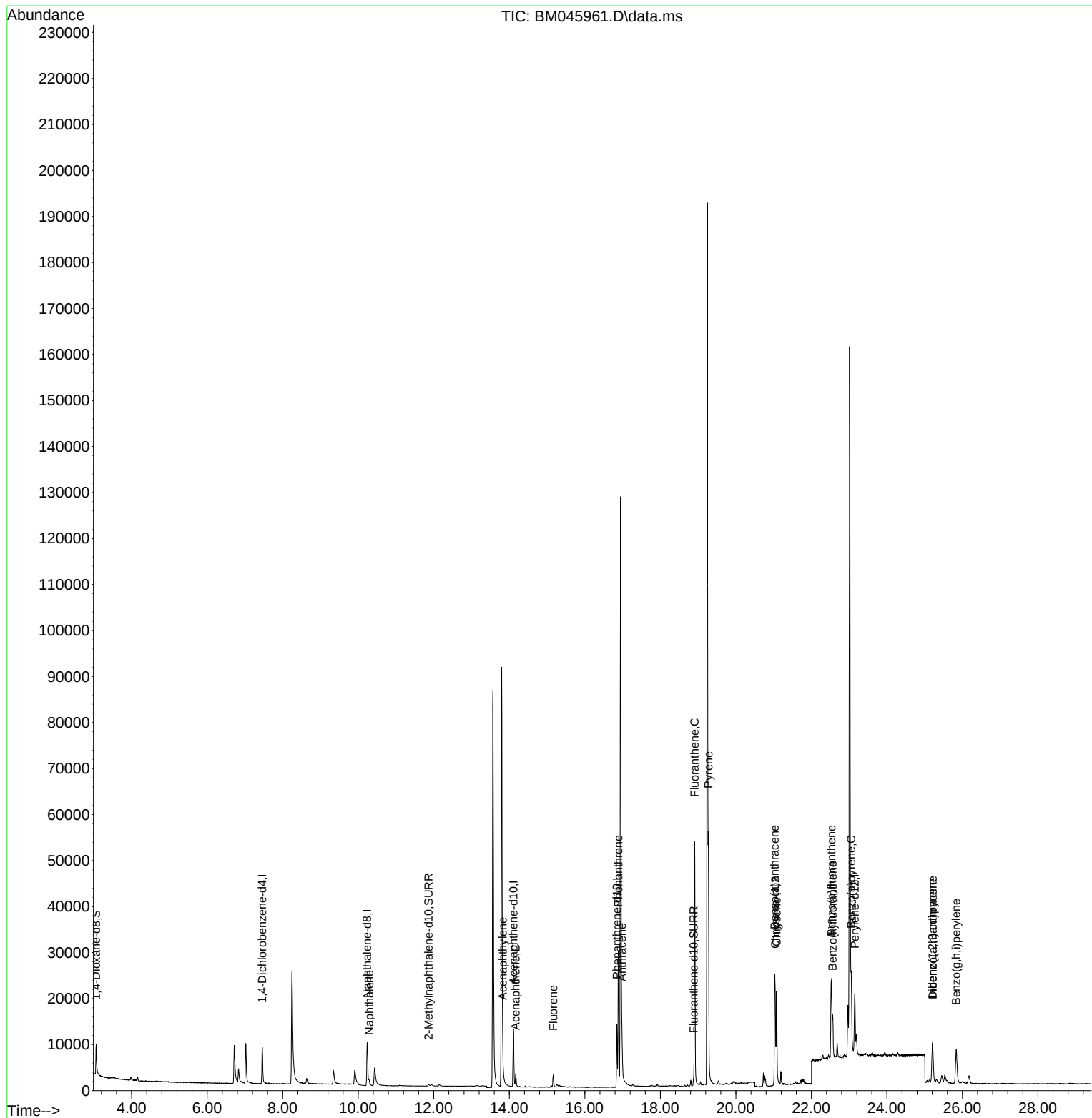
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061024\  
Data File : BM045961.D  
Acq On : 10 Jun 2024 21:23  
Operator : MA/JU  
Sample : P2642-05DL 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

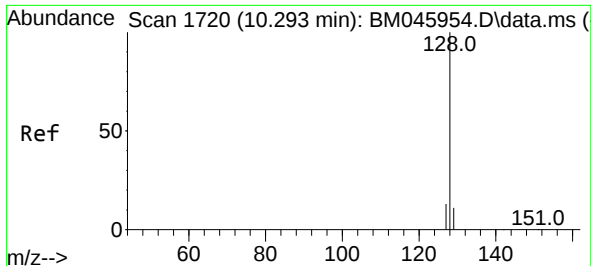
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024

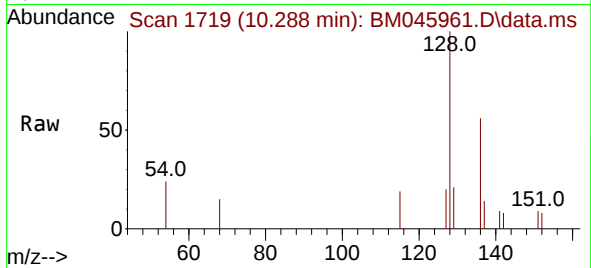
Quant Time: Jun 10 23:12:08 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM060624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 10 22:47:12 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.038 ng/u1  
RT: 10.288 min Scan# 1719  
Delta R.T. -0.015 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

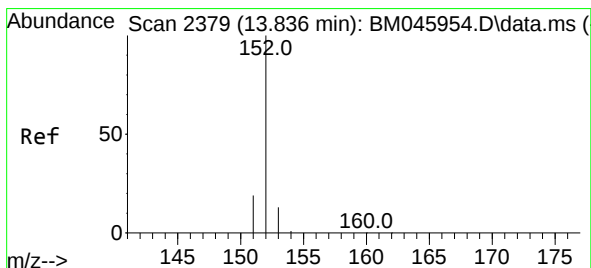
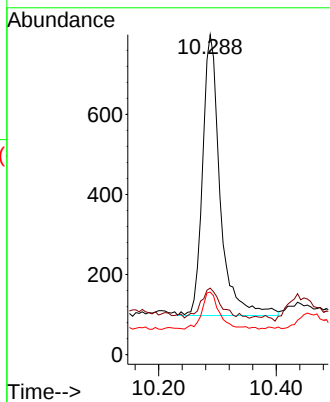
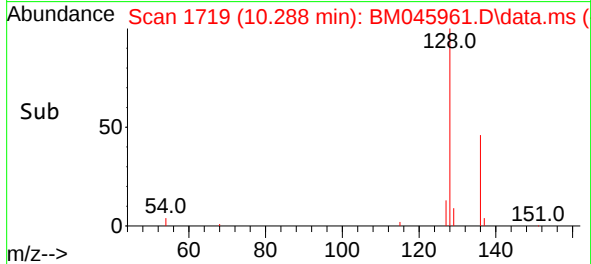
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



Tgt Ion:128 Resp: 1440  
Ion Ratio Lower Upper  
128 100  
129 20.8 9.4 14.0#  
127 19.5 10.6 15.8#

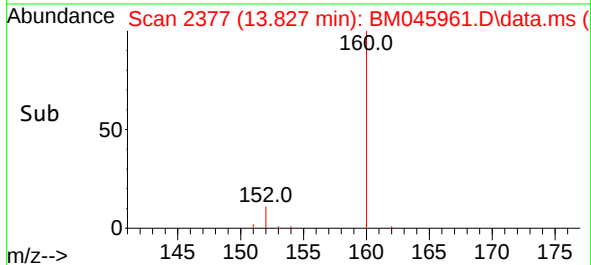
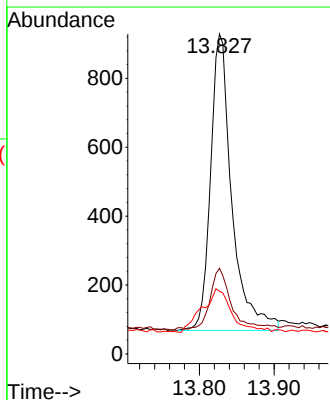
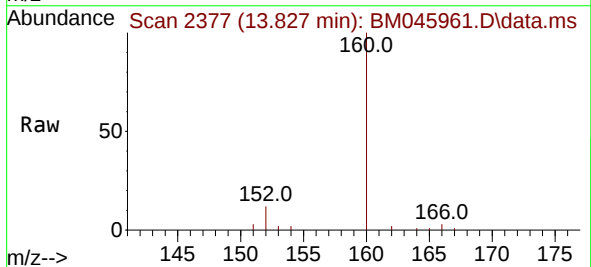
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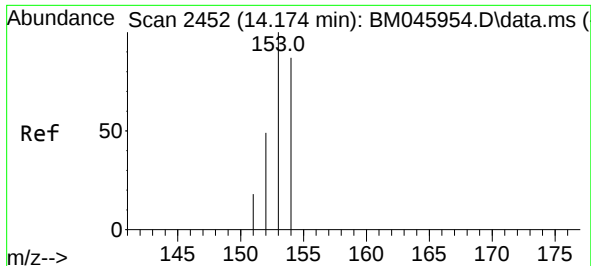
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#10  
Acenaphthylene  
Concen: 0.047 ng/u1  
RT: 13.827 min Scan# 2377  
Delta R.T. -0.013 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

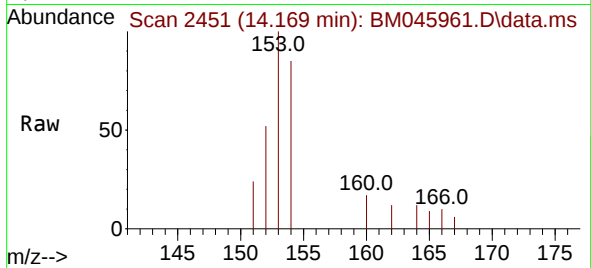
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Ion Ratio Lower Upper  
152 100  
151 26.8 16.4 24.6#  
153 19.6 11.1 16.7#





#11  
Acenaphthene  
Concen: 0.061 ng/ul  
RT: 14.169 min Scan# 2451  
Delta R.T. -0.013 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

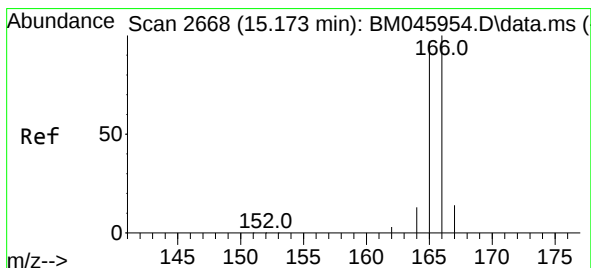
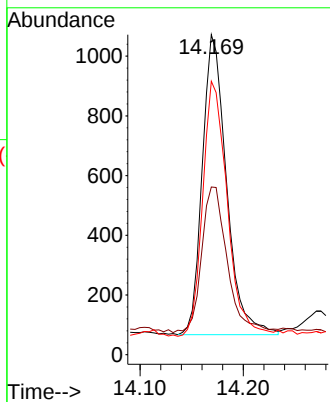
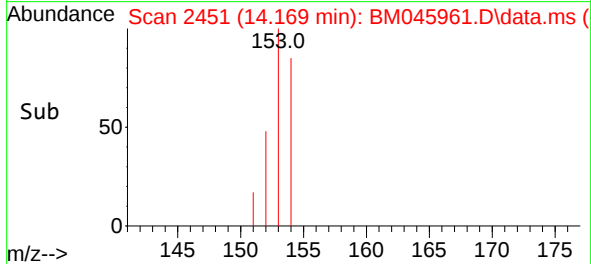
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



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Ion Ratio Lower Upper  
153 100  
152 52.4 39.0 58.4  
154 85.4 69.4 104.2

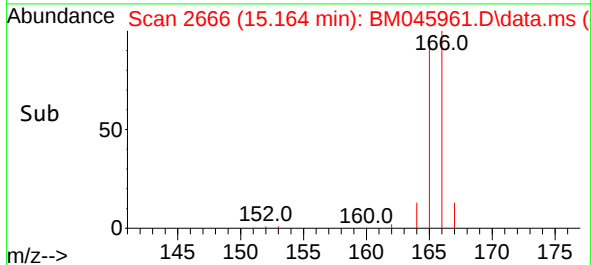
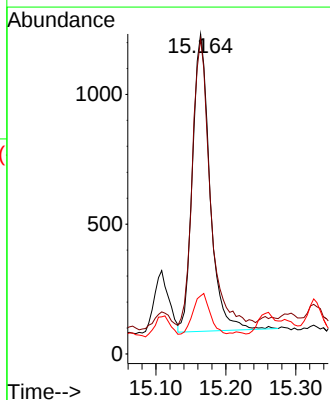
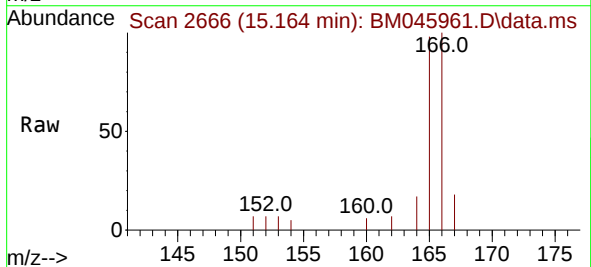
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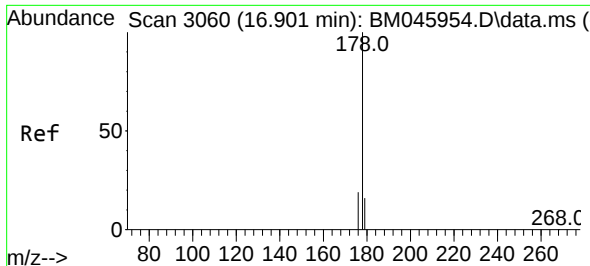
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#12  
Fluorene  
Concen: 0.066 ng/ul  
RT: 15.164 min Scan# 2666  
Delta R.T. -0.013 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

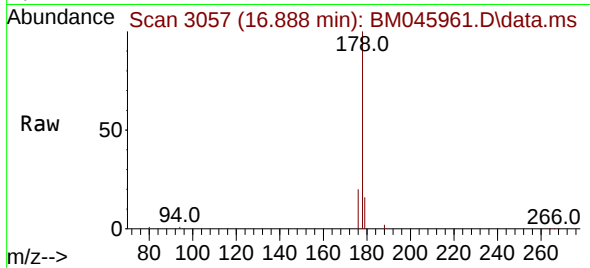
Tgt Ion:166 Resp: 1984  
Ion Ratio Lower Upper  
166 100  
165 98.5 79.7 119.5  
167 18.2 11.3 16.9#





#15  
Phenanthrene  
Concen: 0.731 ng/ul  
RT: 16.888 min Scan# 3079  
Delta R.T. -0.016 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

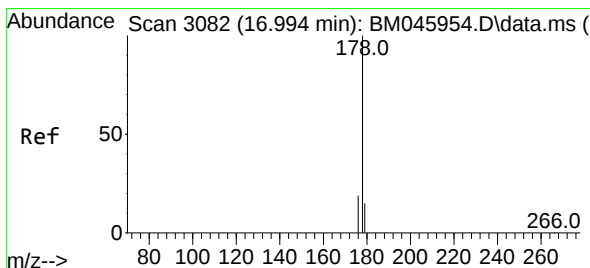
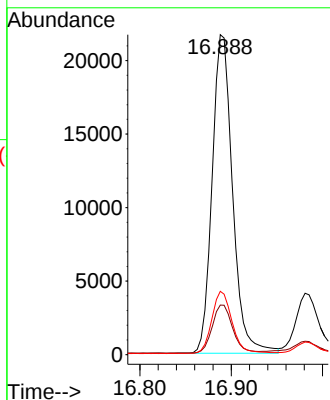
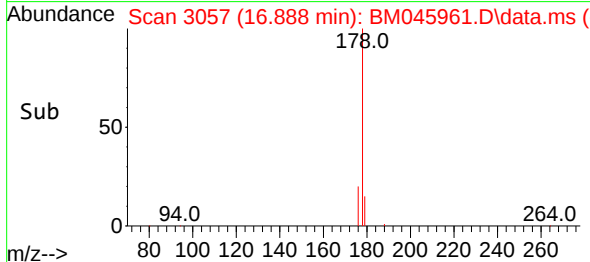
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



Tgt Ion:178 Resp: 3364  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.7 19.1  
176 19.8 15.6 23.4

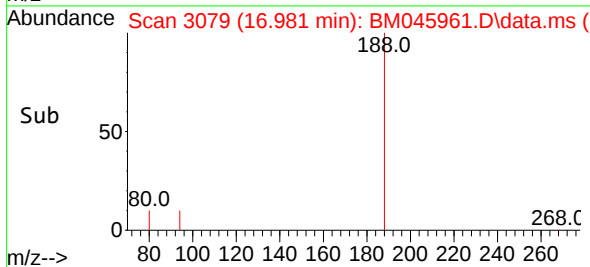
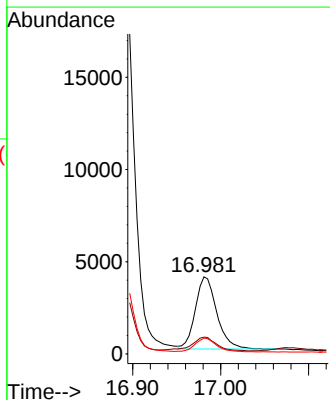
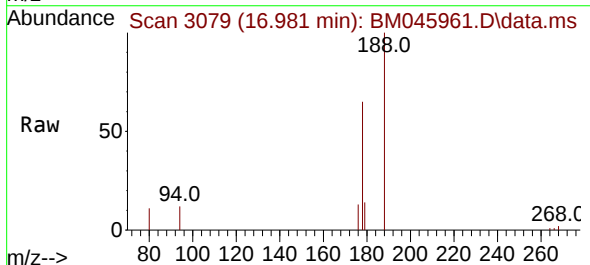
Manual Integrations  
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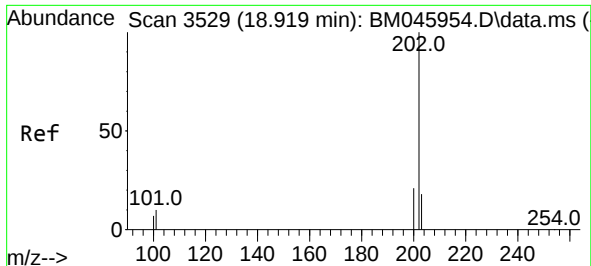
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#16  
Anthracene  
Concen: 0.169 ng/ul  
RT: 16.981 min Scan# 3079  
Delta R.T. -0.016 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

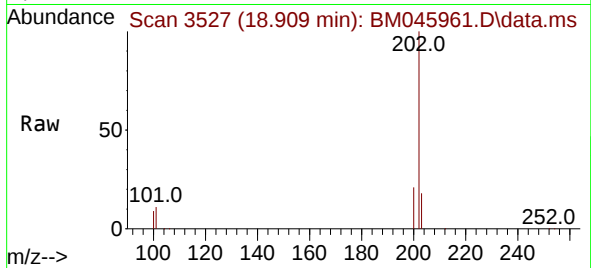
Tgt Ion:178 Resp: 6637  
Ion Ratio Lower Upper  
178 100  
179 21.8 13.1 19.7#  
176 20.5 15.5 23.3





#19  
Fluoranthene  
Concen: 0.878 ng/ul  
RT: 18.909 min Scan# 3527  
Delta R.T. -0.013 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

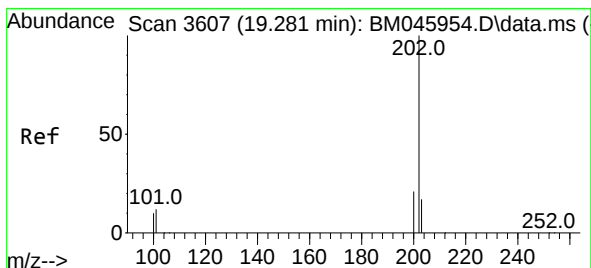
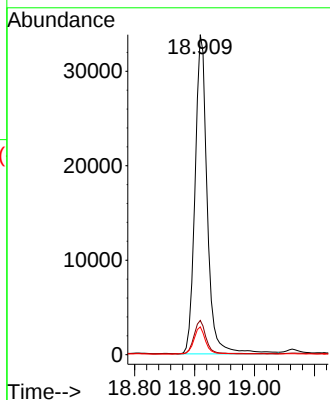
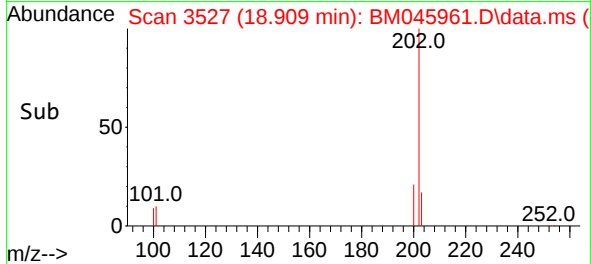
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



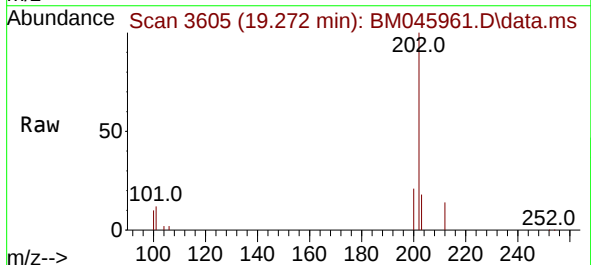
Tgt Ion:202 Resp: 47810  
Ion Ratio Lower Upper  
202 100  
101 10.7 9.0 13.6  
100 8.7 7.0 10.6

Manual Integrations  
APPROVED

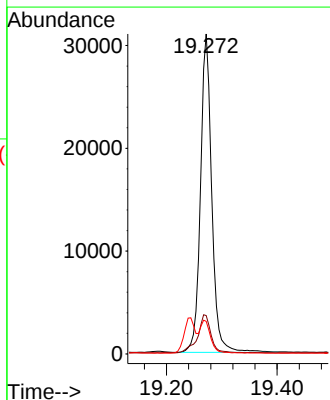
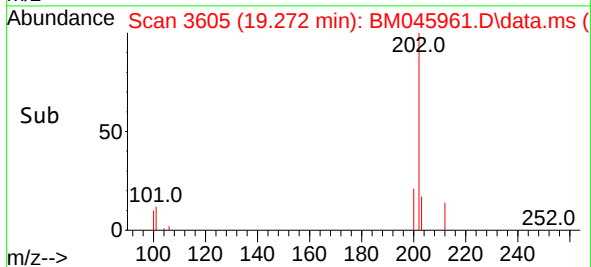
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024

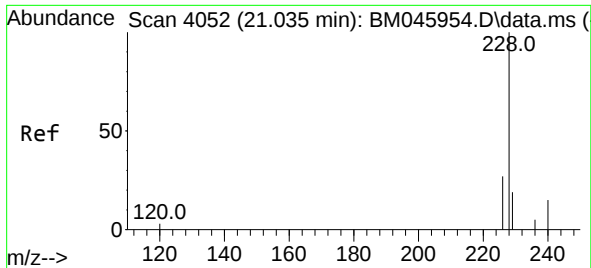


#20  
Pyrene  
Concen: 0.775 ng/ul  
RT: 19.272 min Scan# 3605  
Delta R.T. -0.013 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23



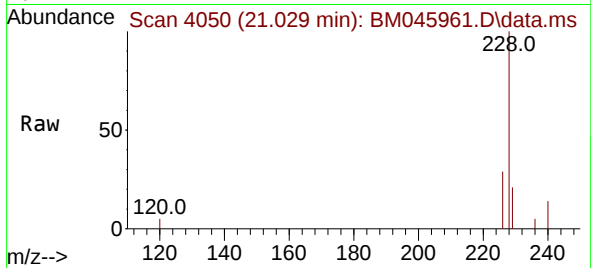
Tgt Ion:202 Resp: 44024  
Ion Ratio Lower Upper  
202 100  
101 12.0 10.6 16.0  
100 10.2 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 0.412 ng/ul  
RT: 21.029 min Scan# 4050  
Delta R.T. -0.006 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

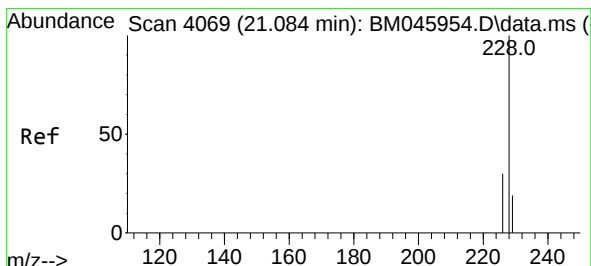
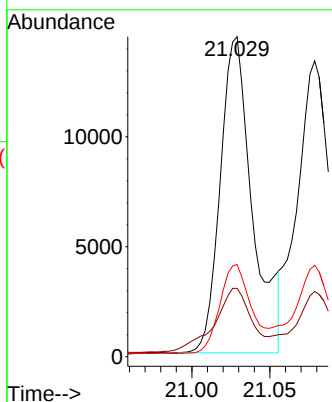
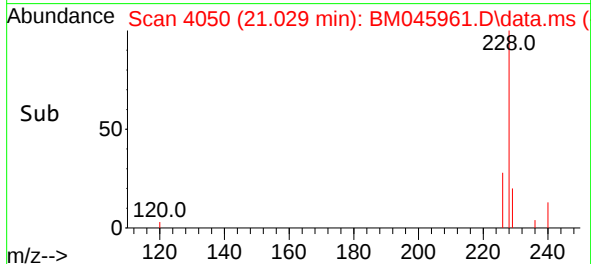
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



Tgt Ion:228 Resp: 20640  
Ion Ratio Lower Upper  
228 100  
229 21.4 15.7 23.5  
226 28.8 22.0 33.0

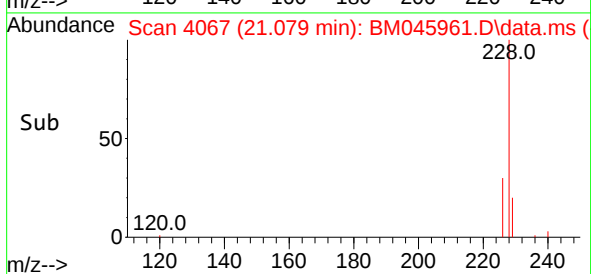
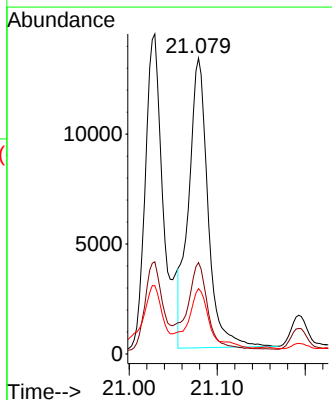
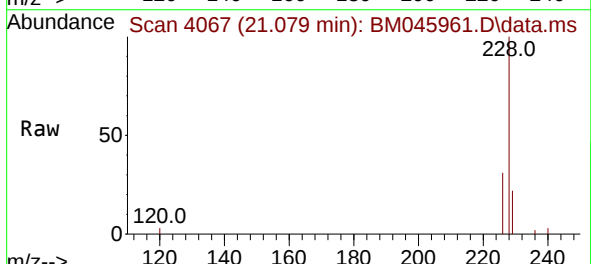
Manual Integrations  
APPROVED

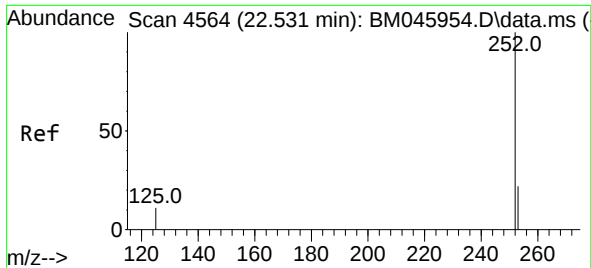
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#22  
Chrysene  
Concen: 0.371 ng/ul  
RT: 21.079 min Scan# 4067  
Delta R.T. -0.009 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

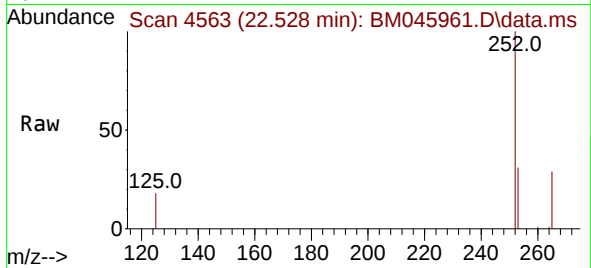
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Ion Ratio Lower Upper  
228 100  
226 30.9 24.5 36.7  
229 22.1 16.2 24.2





#24  
Benzo(b)fluoranthene  
Concen: 0.532 ng/ul m  
RT: 22.528 min Scan# 4563  
Delta R.T. -0.009 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

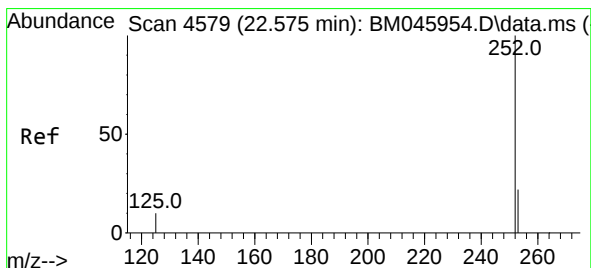
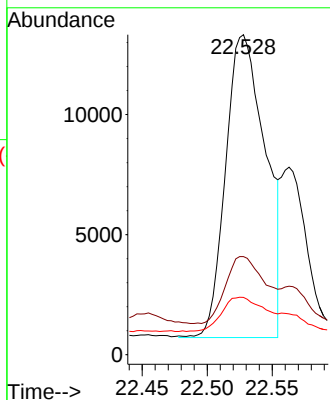
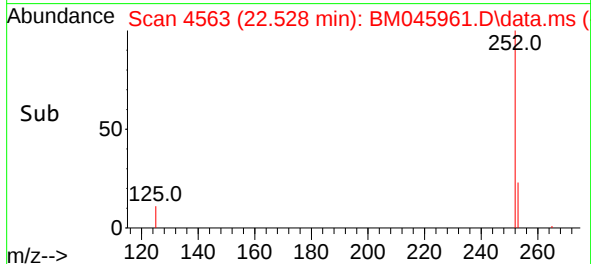
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



Tgt Ion:252 Resp: 26908  
Ion Ratio Lower Upper  
252 100  
253 30.6 0.0 63.6  
125 17.9 0.0 35.8

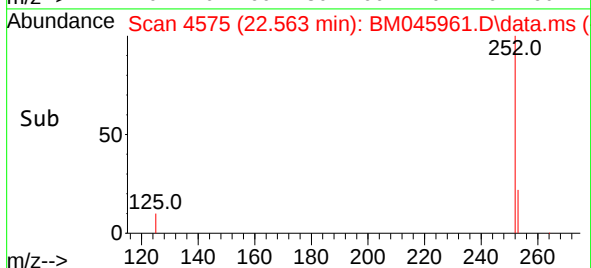
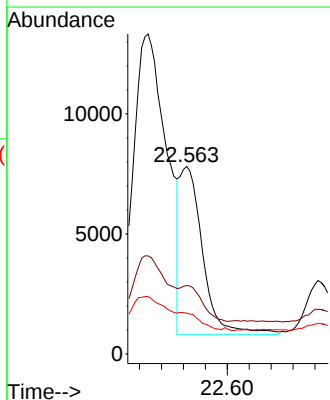
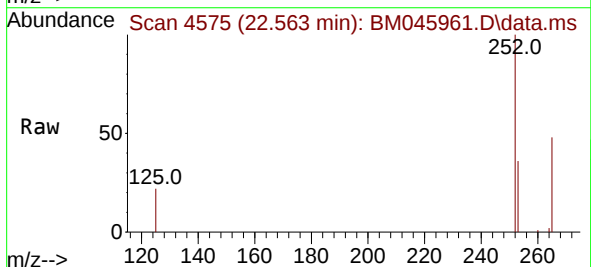
Manual Integrations  
APPROVED

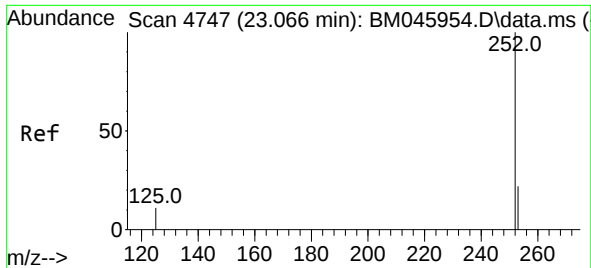
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#25  
Benzo(k)fluoranthene  
Concen: 0.182 ng/ul m  
RT: 22.563 min Scan# 4575  
Delta R.T. -0.018 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

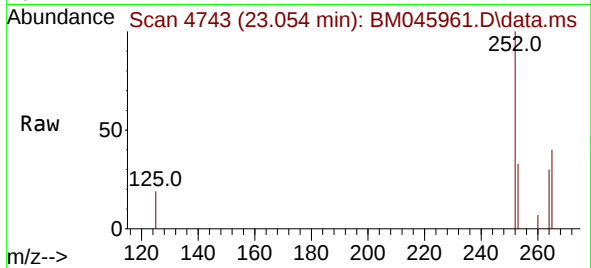
Tgt Ion:252 Resp: 10096  
Ion Ratio Lower Upper  
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253 36.5 25.0 37.6  
125 21.8 14.2 21.2#





#26  
Benzo(a)pyrene  
Concen: 0.389 ng/ul  
RT: 23.054 min Scan# 4743  
Delta R.T. -0.018 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

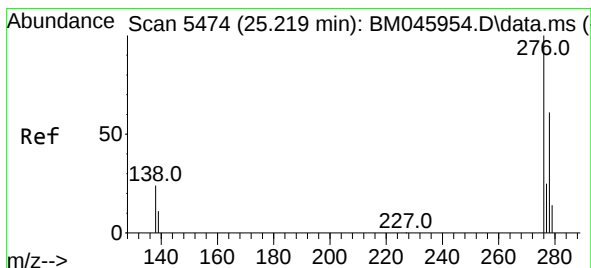
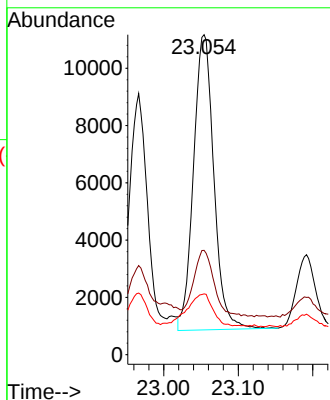
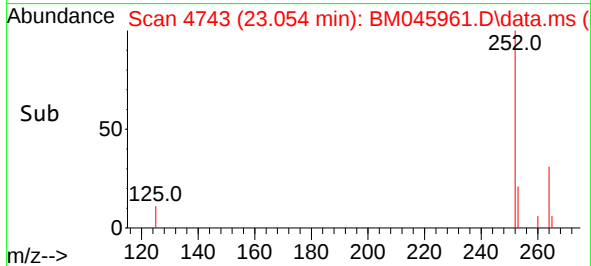
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



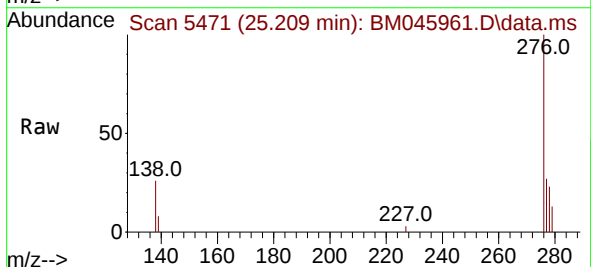
Tgt Ion:252 Resp: 19538  
Ion Ratio Lower Upper  
252 100  
253 32.6 28.8 43.2  
125 19.0 17.3 25.9

Manual Integrations  
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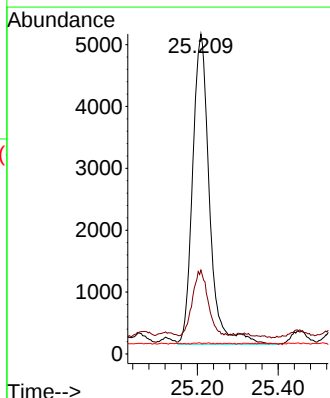
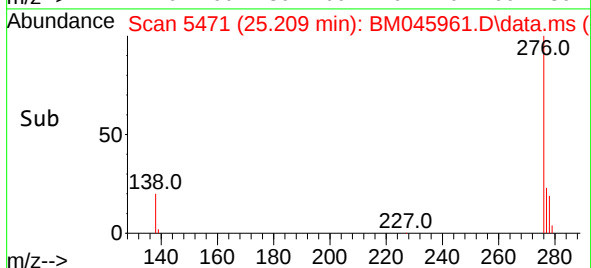
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024

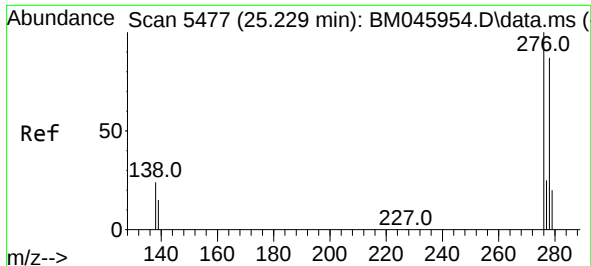


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.223 ng/ul  
RT: 25.209 min Scan# 5471  
Delta R.T. -0.023 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23



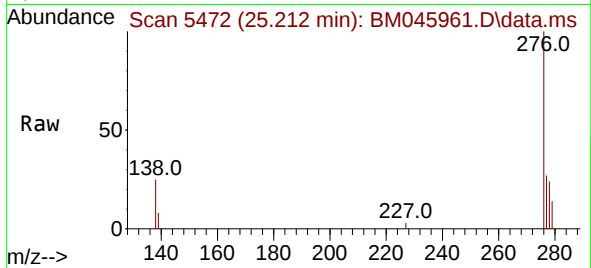
Tgt Ion:276 Resp: 14522  
Ion Ratio Lower Upper  
276 100  
138 20.3 20.7 31.1#  
227 0.2 0.2 0.2





#28  
Dibenzo(a,h)anthracene  
Concen: 0.060 ng/ul  
RT: 25.212 min Scan# 5472  
Delta R.T. -0.037 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23

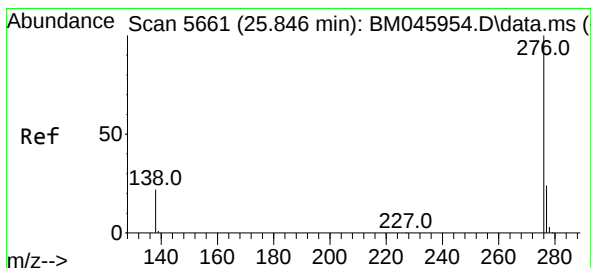
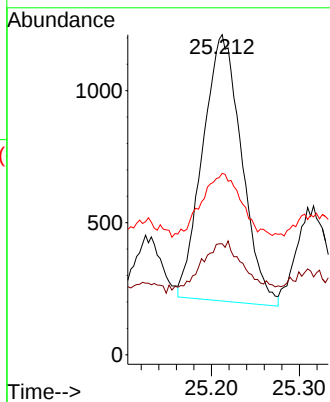
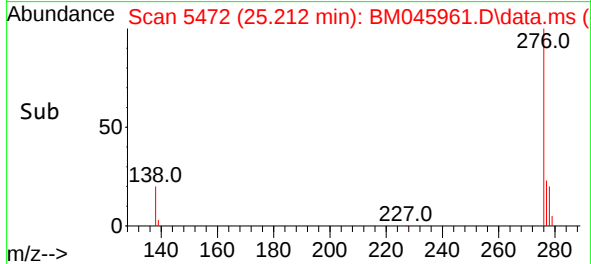
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH0DL



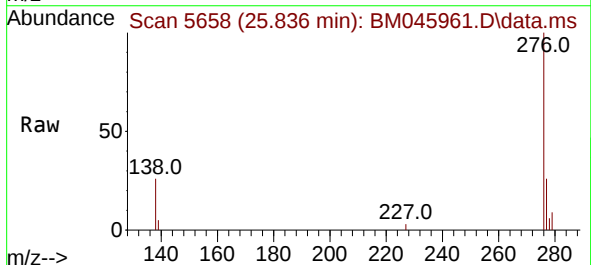
Tgt Ion:278 Resp: 310  
Ion Ratio Lower Upper  
278 100  
139 34.7 16.6 25.0  
279 56.7 24.6 37.0

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.262 ng/ul  
RT: 25.836 min Scan# 5658  
Delta R.T. -0.027 min  
Lab File: BM045961.D  
Acq: 10 Jun 2024 21:23



Tgt Ion:276 Resp: 14716  
Ion Ratio Lower Upper  
276 100  
138 26.3 21.0 31.4  
277 26.0 20.5 30.7

