

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013125\  
 Data File : BN036183.D  
 Acq On : 01 Feb 2025 00:16  
 Operator : RC/JU  
 Sample : Q1224-15  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A6322

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025  
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 03 08:52:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN012125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 21 23:52:22 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.795  | 152  | 2752     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.583 | 136  | 7062     | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.436 | 164  | 4404     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.179 | 188  | 9746     | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.369 | 240  | 10130    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.661 | 264  | 9992m    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.263  | 96   | 9668     | 3.209 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.183 | 152  | 1491     | 0.167 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.211 | 212  | 2798     | 0.101 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.221 | 178  | 809      | 0.028 | ng/ul# | 81       |
| 19) Fluoranthene            | 19.243 | 202  | 2845     | 0.074 | ng/ul# | 91       |
| 20) Pyrene                  | 19.601 | 202  | 2849     | 0.071 | ng/ul# | 86       |
| 21) Benzo(a)anthracene      | 21.352 | 228  | 903      | 0.025 | ng/ul# | 71       |
| 22) Chrysene                | 21.404 | 228  | 1574     | 0.043 | ng/ul# | 81       |
| 24) Benzo(b)fluoranthene    | 22.971 | 252  | 2473m    | 0.074 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.009 | 252  | 751m     | 0.021 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.561 | 252  | 1256     | 0.042 | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 25.995 | 276  | 1024     | 0.026 | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 26.716 | 276  | 1031     | 0.033 | ng/ul# | 48       |
| -----                       |        |      |          |       |        |          |

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

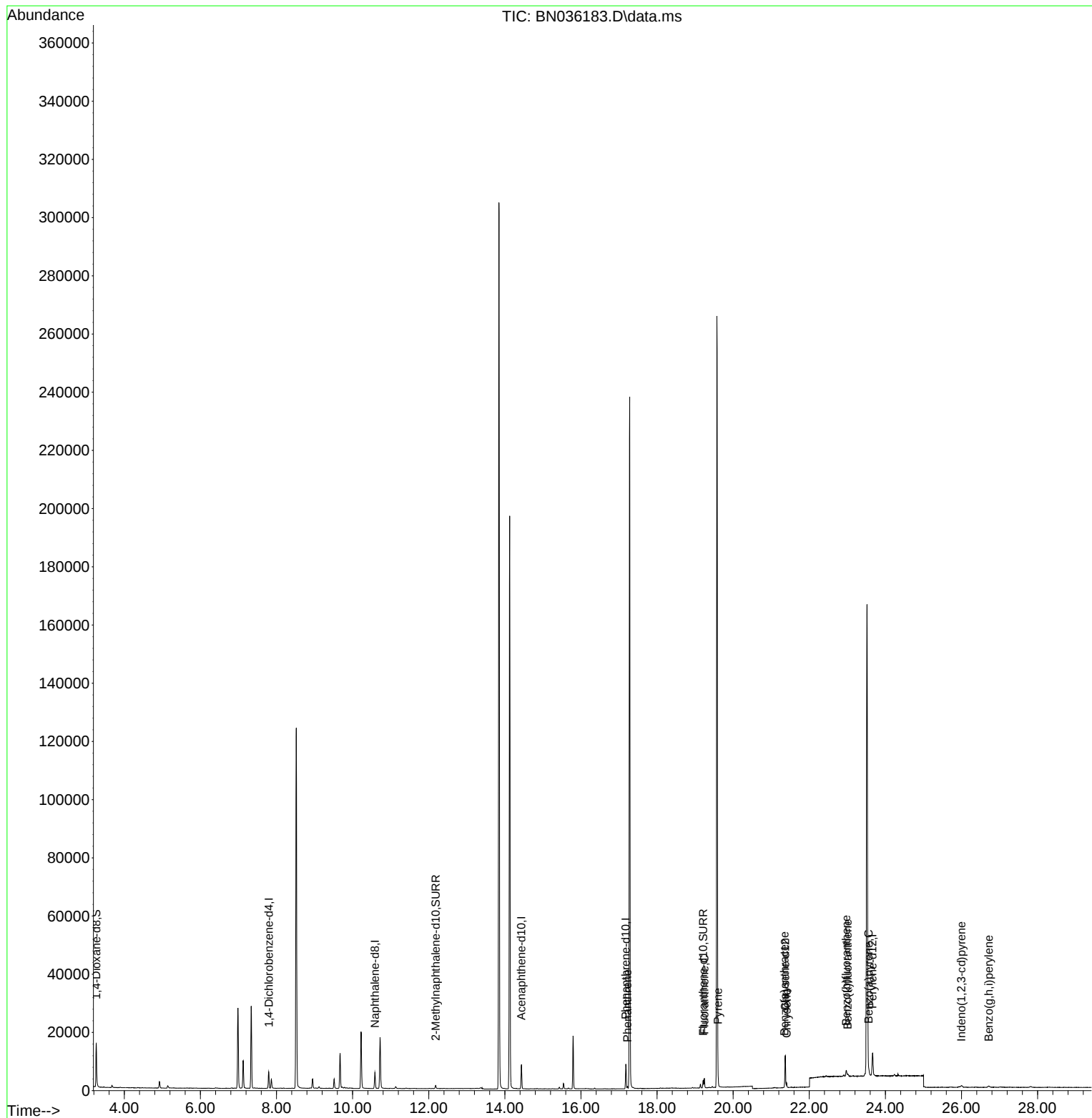
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013125\  
Data File : BN036183.D  
Acq On : 01 Feb 2025 00:16  
Operator : RC/JU  
Sample : Q1224-15  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

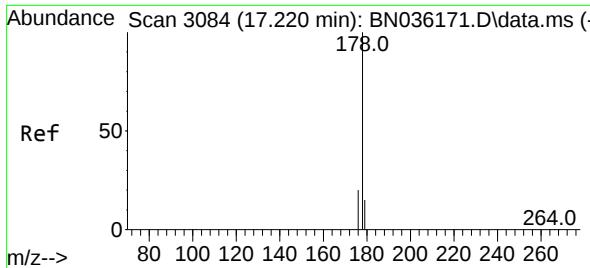
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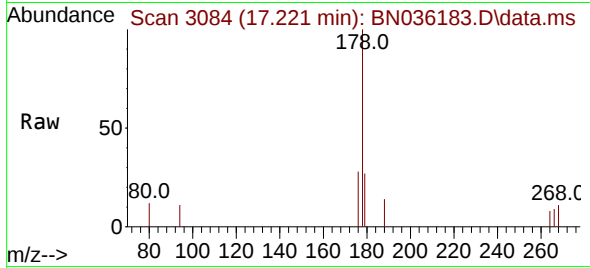
Quant Time: Feb 03 08:52:58 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN012125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 21 23:52:22 2025  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.028 ng/ul  
RT: 17.221 min Scan# 3084  
Delta R.T. -0.012 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16

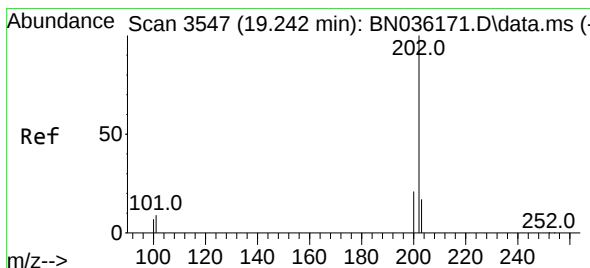
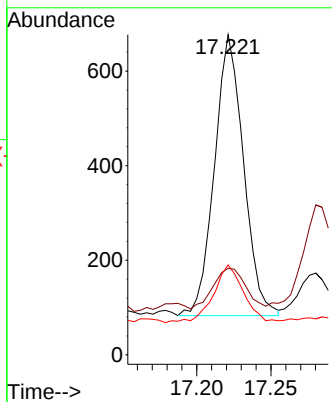
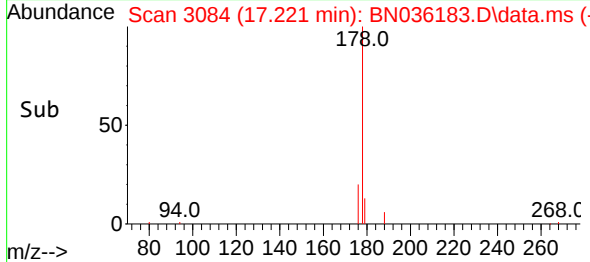
Instrument :  
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ClientSampleId :  
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Tgt Ion:178 Resp: 809  
Ion Ratio Lower Upper  
178 100  
179 27.0 13.2 19.8#  
176 28.1 16.8 25.2#

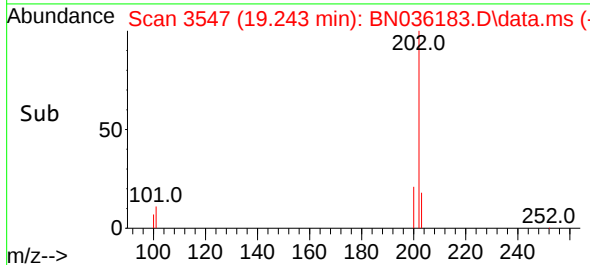
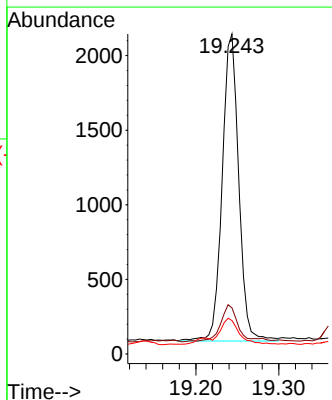
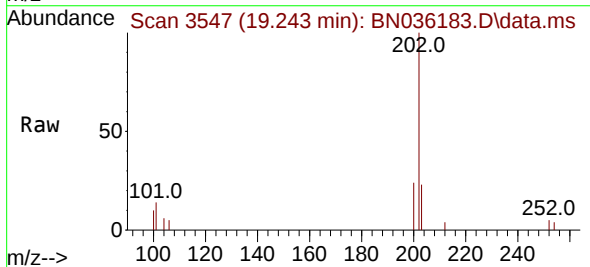
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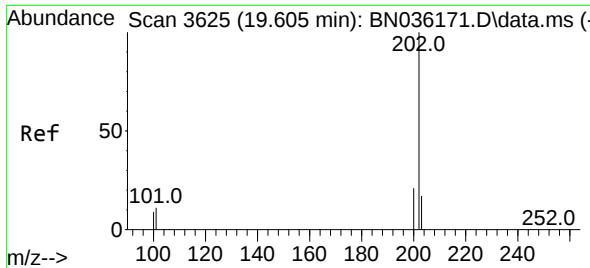
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#19  
Fluoranthene  
Concen: 0.074 ng/ul  
RT: 19.243 min Scan# 3547  
Delta R.T. -0.004 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16

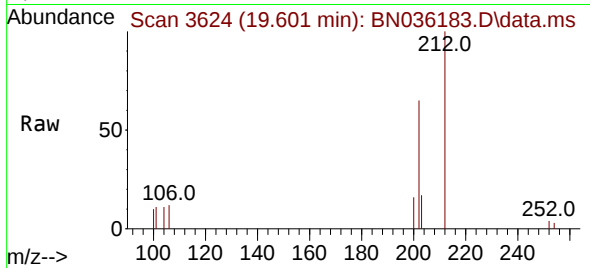
Tgt Ion:202 Resp: 2845  
Ion Ratio Lower Upper  
202 100  
101 14.4 8.4 12.6#  
100 10.4 6.5 9.7#





#20  
Pyrene  
Concen: 0.071 ng/ul  
RT: 19.601 min Scan# 3624  
Delta R.T. -0.009 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16

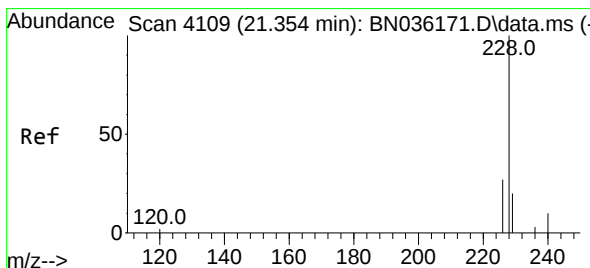
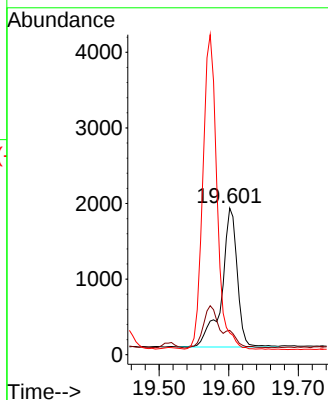
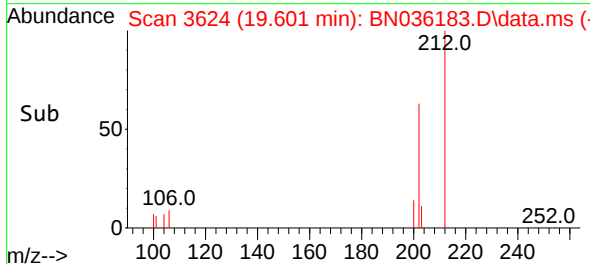
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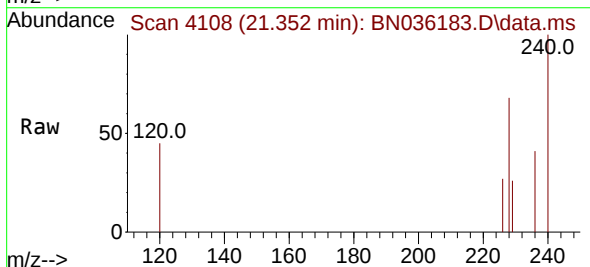
Tgt Ion:202 Resp: 2849  
Ion Ratio Lower Upper  
202 100  
101 16.6 9.3 13.9#  
100 14.9 7.5 11.3#

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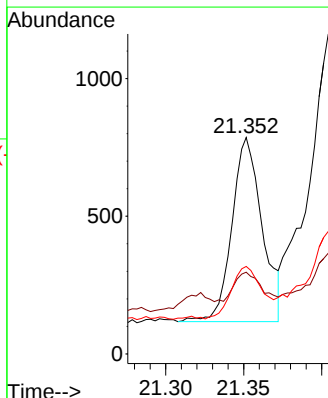
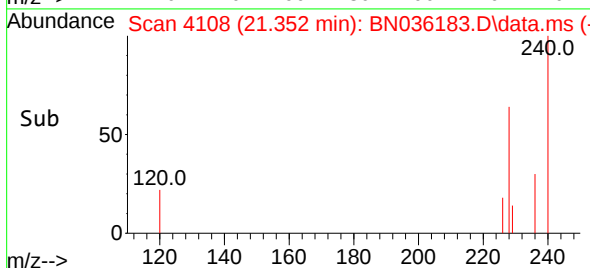
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

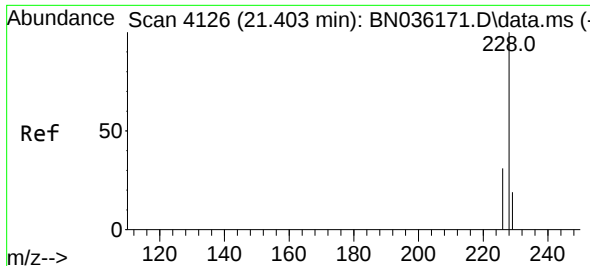


#21  
Benzo(a)anthracene  
Concen: 0.025 ng/ul  
RT: 21.352 min Scan# 4108  
Delta R.T. -0.002 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16



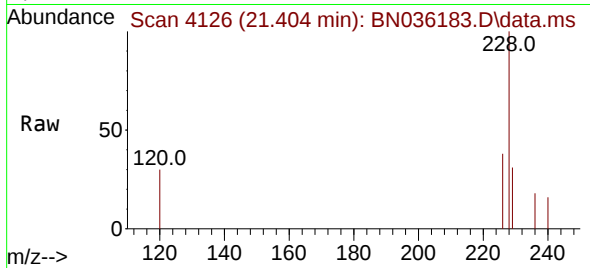
Tgt Ion:228 Resp: 903  
Ion Ratio Lower Upper  
228 100  
229 37.8 15.9 23.9#  
226 40.5 22.8 34.2#





#22  
Chrysene  
Concen: 0.043 ng/ul  
RT: 21.404 min Scan# 4126  
Delta R.T. -0.002 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16

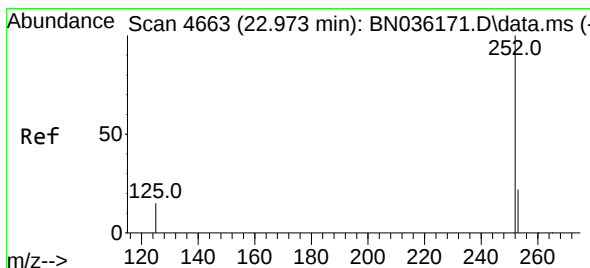
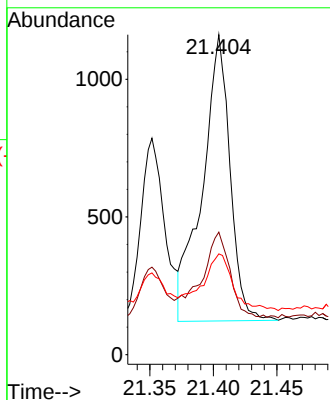
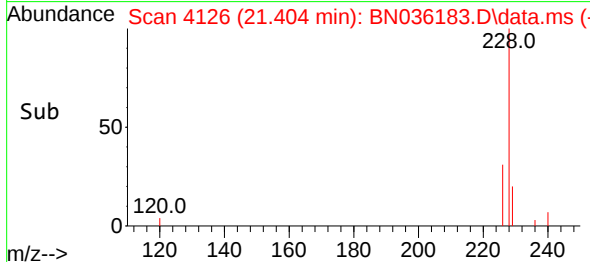
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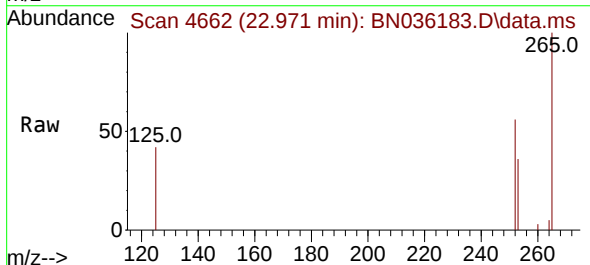
Tgt Ion:228 Resp: 1574  
Ion Ratio Lower Upper  
228 100  
226 38.3 24.4 36.6#  
229 31.5 15.9 23.9#

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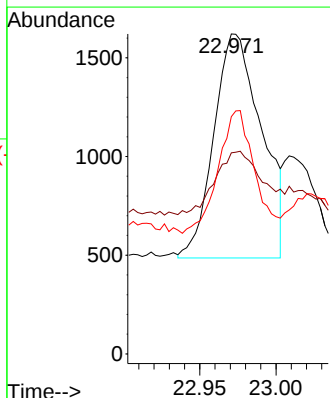
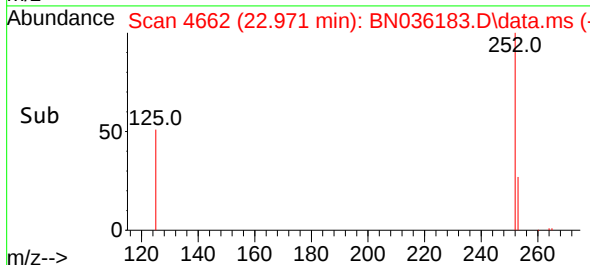
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Supervised By :mohammad ahmed 02/04/2025

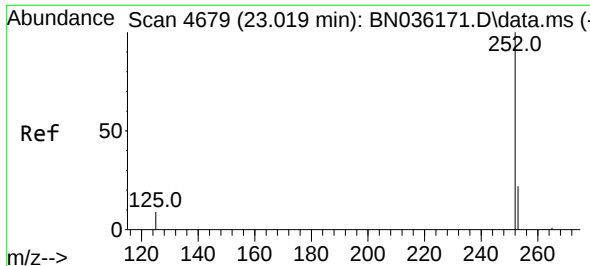


#24  
Benzo(b)fluoranthene  
Concen: 0.074 ng/ul m  
RT: 22.971 min Scan# 4662  
Delta R.T. -0.002 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16



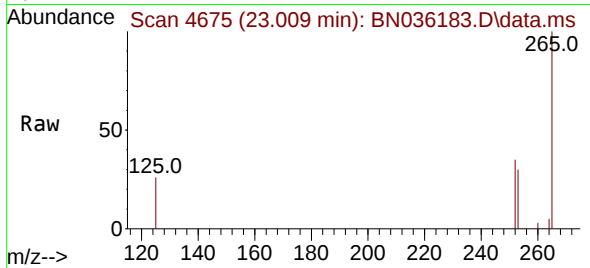
Tgt Ion:252 Resp: 2473  
Ion Ratio Lower Upper  
252 100  
253 62.9 0.0 51.2#  
125 74.2 0.0 27.8#





#25  
Benzo(k)fluoranthene  
Concen: 0.021 ng/ul m  
RT: 23.009 min Scan# 4679  
Delta R.T. -0.011 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16

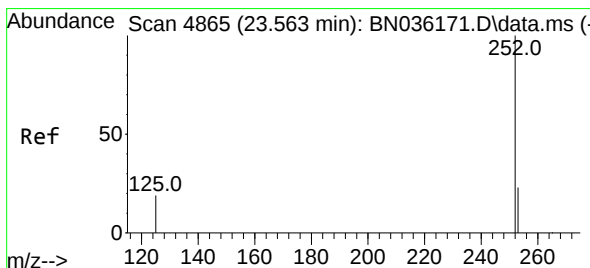
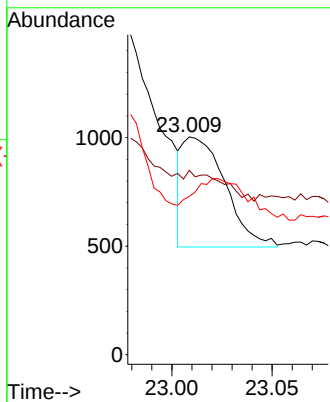
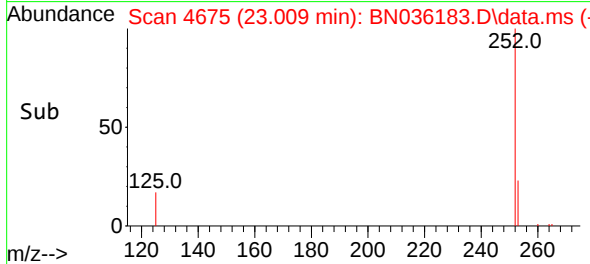
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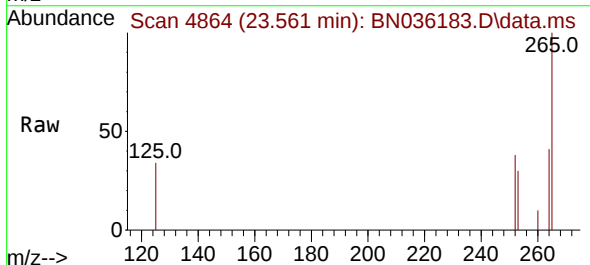
Tgt Ion:252 Resp: 75  
Ion Ratio Lower Upper  
252 100  
253 84.6 20.2 30.4#  
125 72.7 10.6 16.0#

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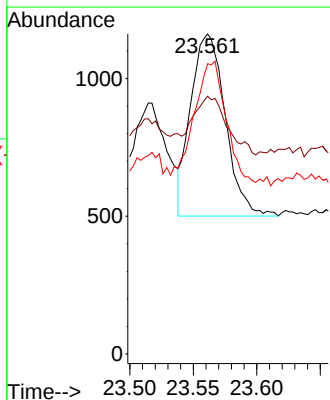
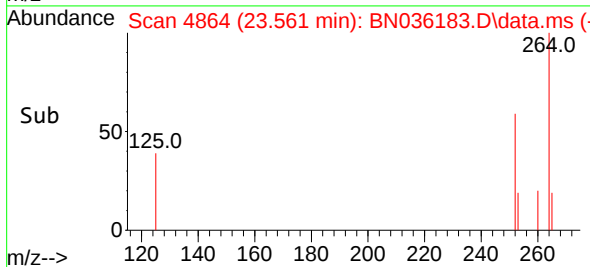
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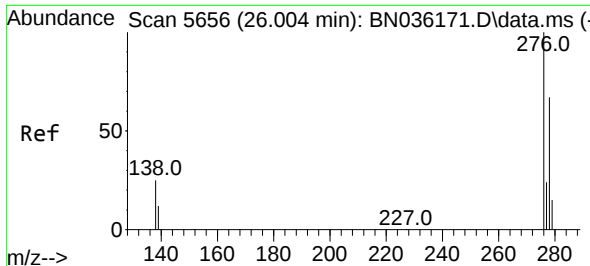


#26  
Benzo(a)pyrene  
Concen: 0.042 ng/ul  
RT: 23.561 min Scan# 4864  
Delta R.T. -0.002 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16



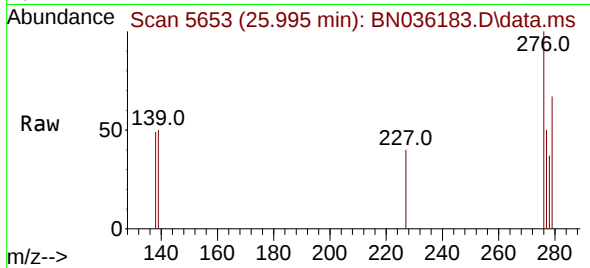
Tgt Ion:252 Resp: 1256  
Ion Ratio Lower Upper  
252 100  
253 80.6 22.2 33.4#  
125 90.7 13.1 19.7#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.026 ng/ul  
RT: 25.995 min Scan# 5653  
Delta R.T. -0.009 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16

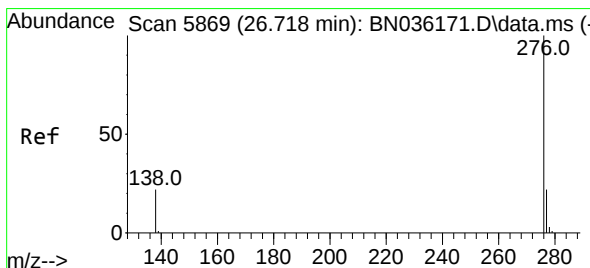
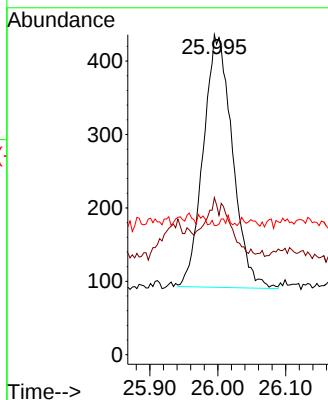
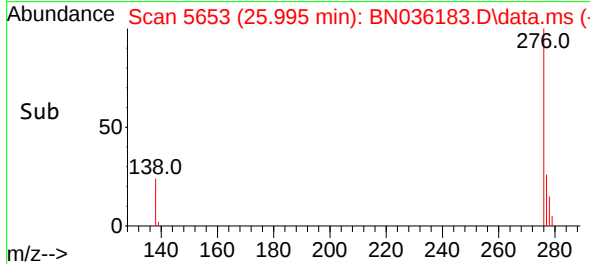
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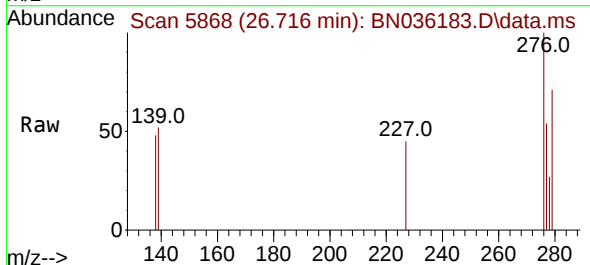
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Ion Ratio Lower Upper  
276 100  
138 18.5 20.2 30.4#  
227 0.0 0.1 0.1#

Manual Integrations  
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#29  
Benzo(g,h,i)perylene  
Concen: 0.033 ng/ul  
RT: 26.716 min Scan# 5868  
Delta R.T. -0.003 min  
Lab File: BN036183.D  
Acq: 01 Feb 2025 00:16



Tgt Ion:276 Resp: 1031  
Ion Ratio Lower Upper  
276 100  
138 48.1 19.4 29.0#  
277 54.4 21.1 31.7#

