

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
 Data File : BN026572.D  
 Acq On : 18 Jul 2023 19:52  
 Operator : MA/JU  
 Sample : 03458-07  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46M0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 19 00:18:44 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 19 00:15:47 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.929  | 152  | 2297     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.737 | 136  | 7197     | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.575 | 164  | 4775     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.326 | 188  | 11155    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.526 | 240  | 10671    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.955 | 264  | 11434    | 0.400 | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.284  | 96   | 13969    | 4.618 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.343 | 152  | 2738     | 0.280 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.359 | 212  | 9627     | 0.260 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 14.292 | 152  | 494      | 0.021 | ng/ul# | 56       |
| 15) Phenanthrene            | 17.364 | 178  | 2030     | 0.057 | ng/ul# | 91       |
| 19) Fluoranthene            | 19.386 | 202  | 3968     | 0.079 | ng/ul# | 95       |
| 20) Pyrene                  | 19.744 | 202  | 3481     | 0.064 | ng/ul# | 77       |
| 21) Benzo(a)anthracene      | 21.511 | 228  | 1938     | 0.049 | ng/ul# | 85       |
| 22) Chrysene                | 21.564 | 228  | 1696     | 0.038 | ng/ul# | 85       |
| 24) Benzo(b)fluoranthene    | 23.224 | 252  | 2083m    | 0.047 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.841 | 252  | 1643     | 0.041 | ng/ul# | 52       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.510 | 276  | 1045     | 0.020 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.295 | 276  | 933      | 0.020 | ng/ul# | 57       |
| -----                       |        |      |          |       |        |          |

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

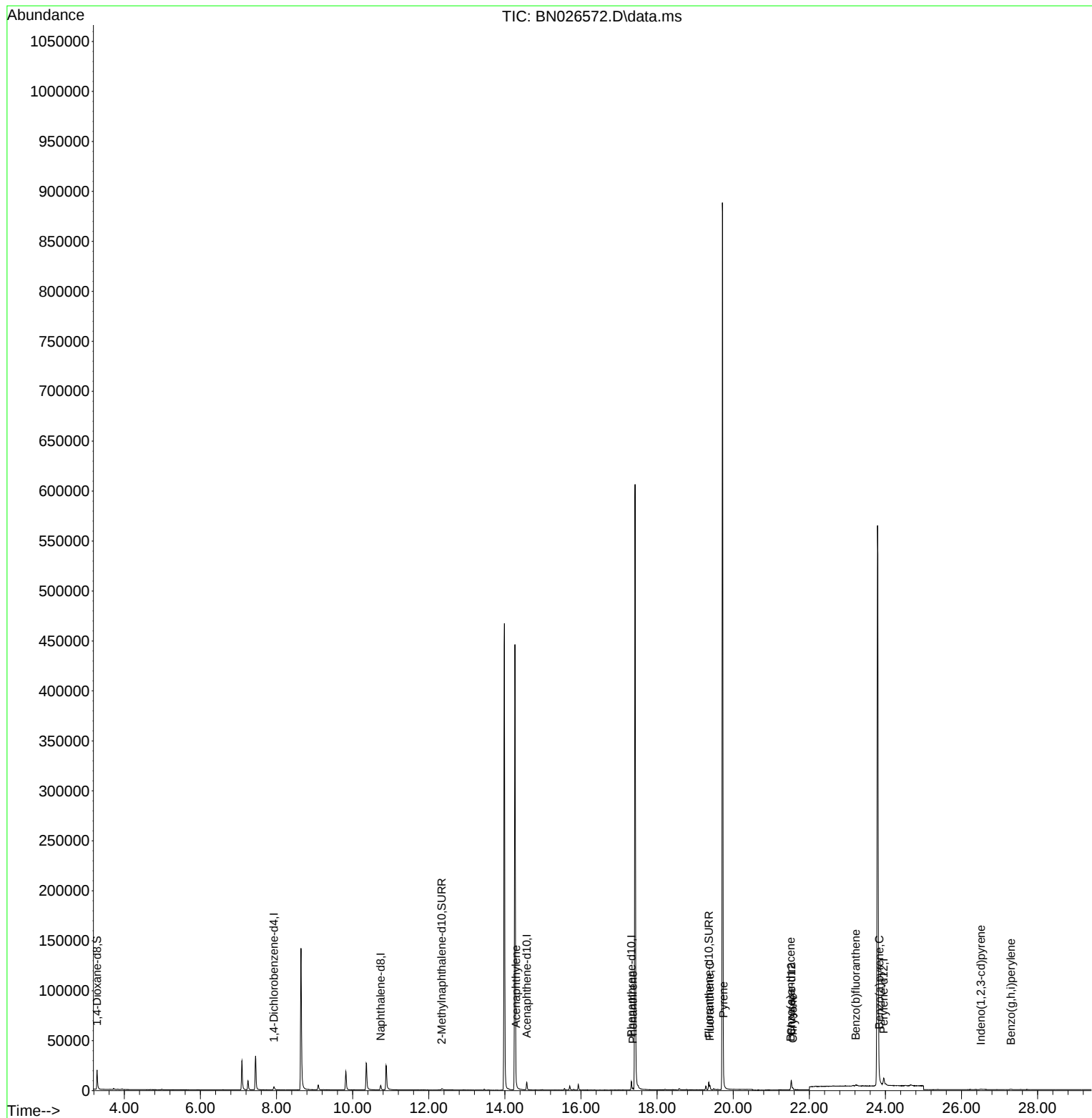
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
Data File : BN026572.D  
Acq On : 18 Jul 2023 19:52  
Operator : MA/JU  
Sample : 03458-07  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

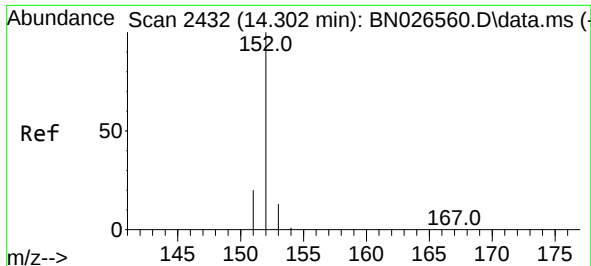
Instrument :  
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Supervised By :mohammad ahmed 07/19/2023

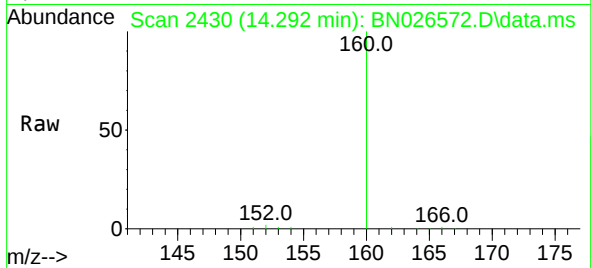
Quant Time: Jul 19 00:18:44 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 19 00:15:47 2023  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.021 ng/ul  
RT: 14.292 min Scan# 2432  
Delta R.T. -0.009 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52

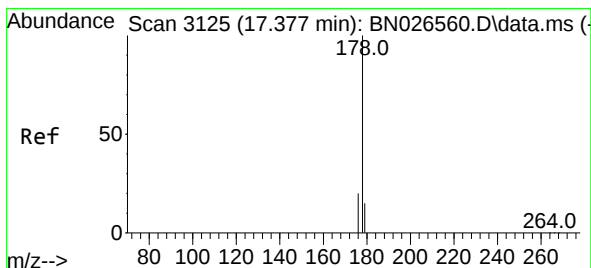
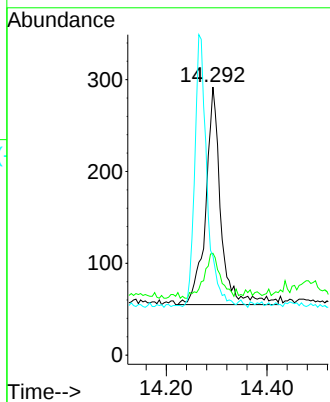
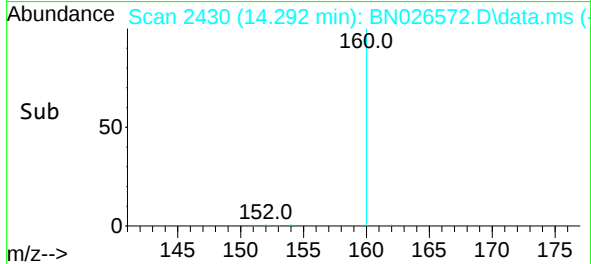
Instrument :  
BNA\_N  
ClientSampleId :  
A46M0



Tgt Ion:152 Resp: 494  
Ion Ratio Lower Upper  
152 100  
151 38.0 17.0 25.6  
153 37.0 11.4 17.2

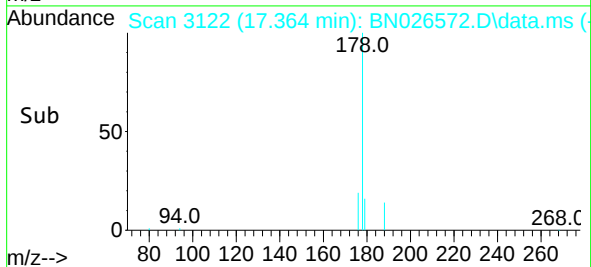
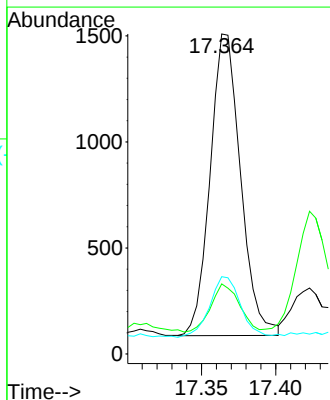
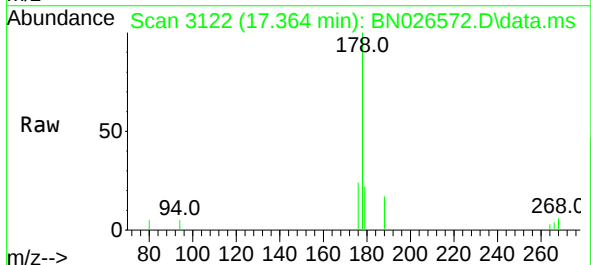
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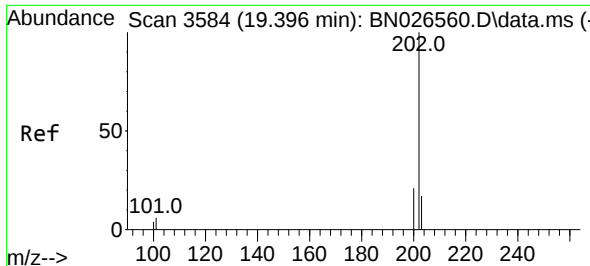
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023



#15  
Phenanthrene  
Concen: 0.057 ng/ul  
RT: 17.364 min Scan# 3122  
Delta R.T. -0.013 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52

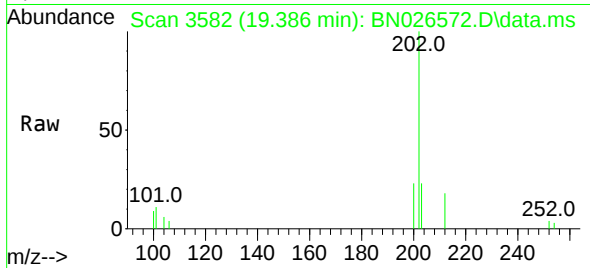
Tgt Ion:178 Resp: 2030  
Ion Ratio Lower Upper  
178 100  
179 21.9 13.7 20.5  
176 24.2 16.5 24.7





#19  
Fluoranthene  
Concen: 0.079 ng/u1  
RT: 19.386 min Scan# 3584  
Delta R.T. -0.010 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52

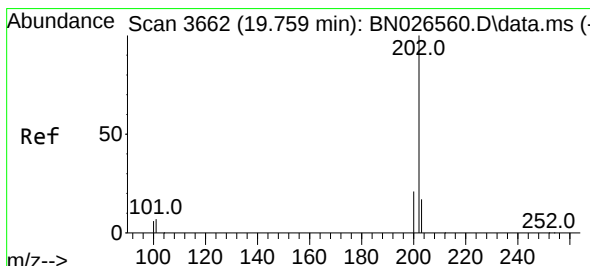
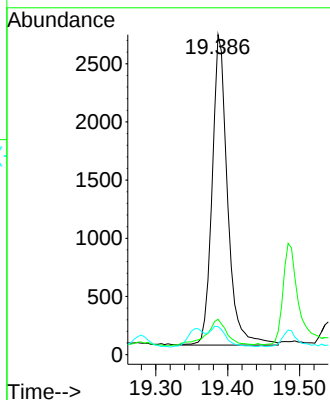
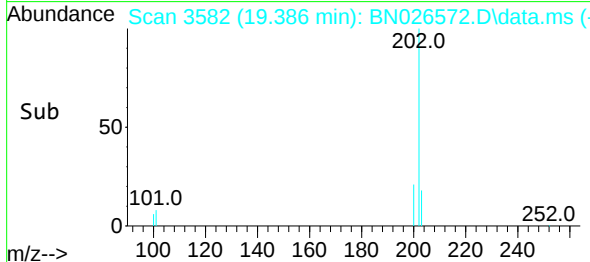
Instrument :  
BNA\_N  
ClientSampleId :  
A46M0



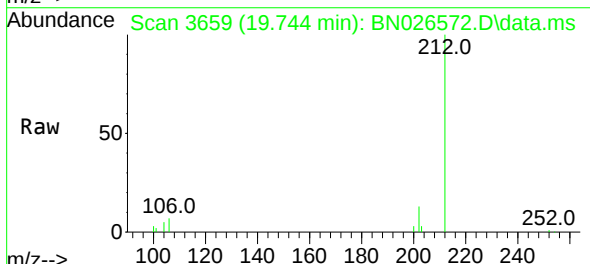
Tgt Ion:202 Resp: 3968  
Ion Ratio Lower Upper  
202 100  
101 11.0 7.0 10.4#  
100 8.8 6.0 9.0

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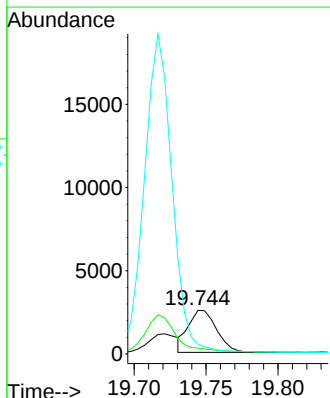
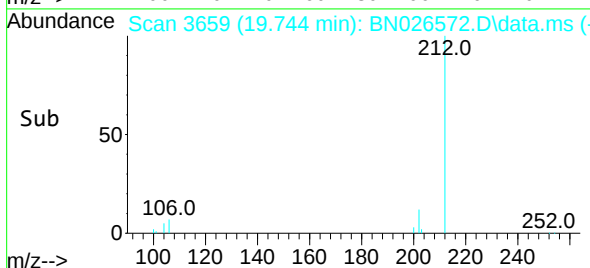
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023

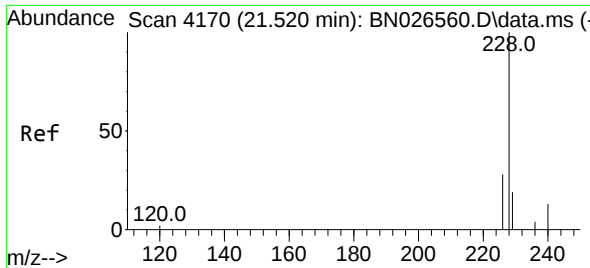


#20  
Pyrene  
Concen: 0.064 ng/u1  
RT: 19.744 min Scan# 3659  
Delta R.T. -0.014 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52



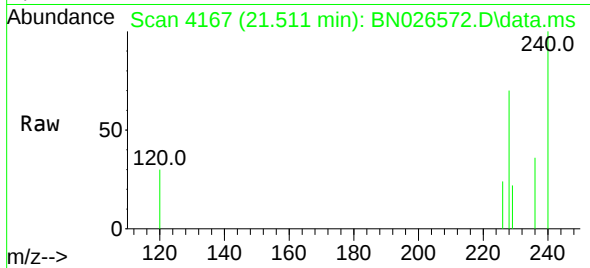
Tgt Ion:202 Resp: 3481  
Ion Ratio Lower Upper  
202 100  
101 13.5 8.0 12.0#  
100 21.9 6.2 9.2#





#21  
Benzo(a)anthracene  
Concen: 0.049 ng/u1  
RT: 21.511 min Scan# 4167  
Delta R.T. -0.009 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52

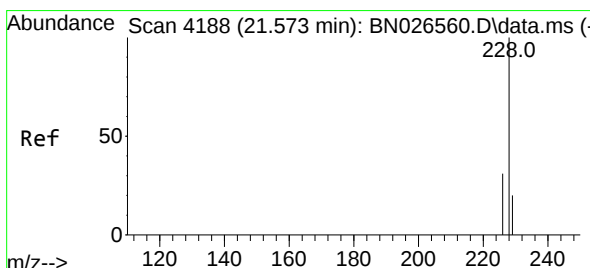
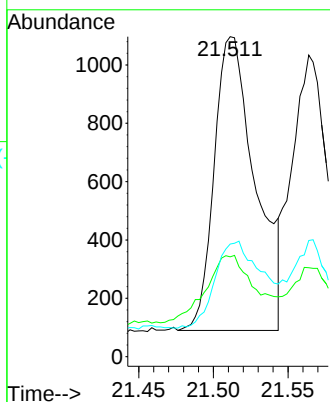
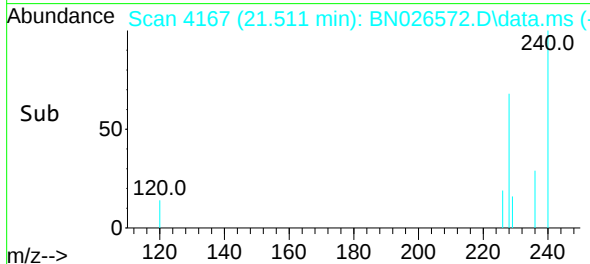
Instrument :  
BNA\_N  
ClientSampleId :  
A46M0



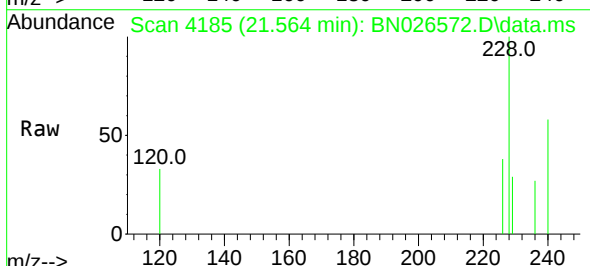
Tgt Ion:228 Resp: 1938  
Ion Ratio Lower Upper  
228 100  
229 31.2 16.7 25.1#  
226 35.2 23.5 35.3#

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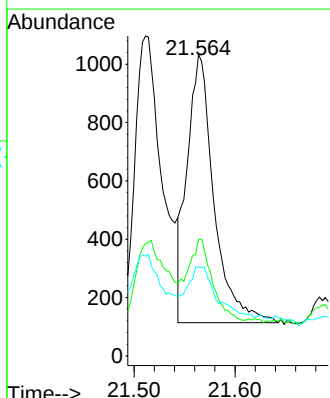
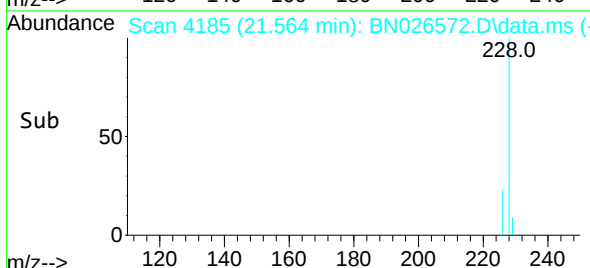
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023

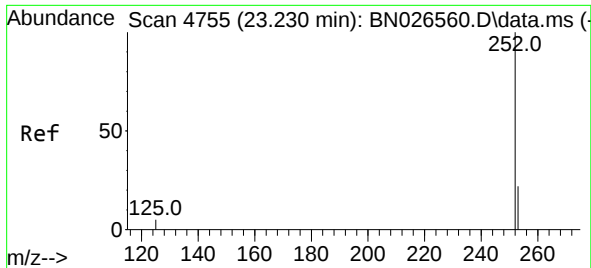


#22  
Chrysene  
Concen: 0.038 ng/u1  
RT: 21.564 min Scan# 4185  
Delta R.T. -0.009 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52



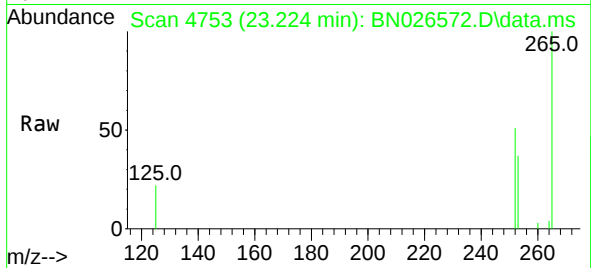
Tgt Ion:228 Resp: 1696  
Ion Ratio Lower Upper  
228 100  
226 38.5 25.2 37.8#  
229 29.5 16.4 24.6#





#24  
Benzo(b)fluoranthene  
Concen: 0.047 ng/ul m  
RT: 23.224 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52

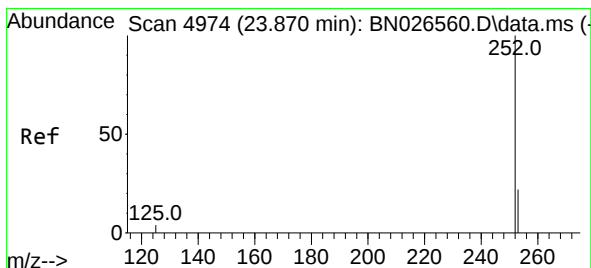
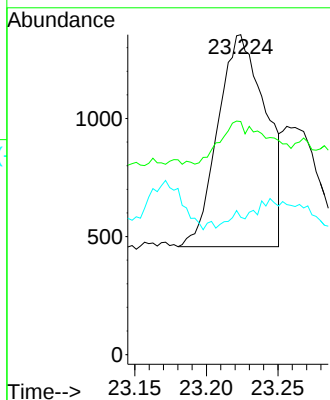
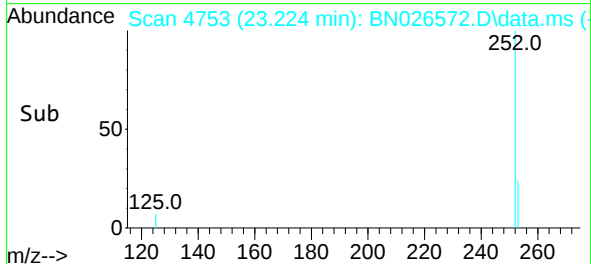
Instrument :  
BNA\_N  
ClientSampleId :  
A46M0



Tgt Ion:252 Resp: 2083  
Ion Ratio Lower Upper  
252 100  
253 72.8 0.0 68.6  
125 43.0 0.0 34.0

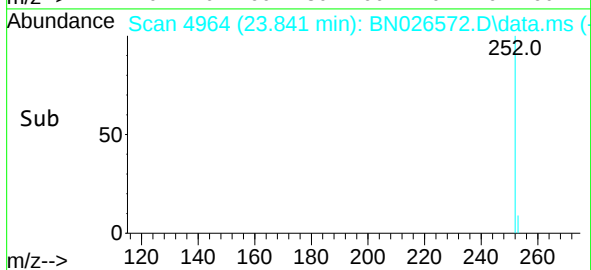
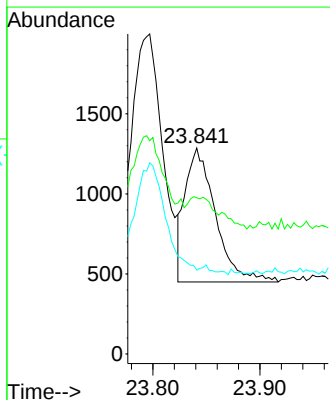
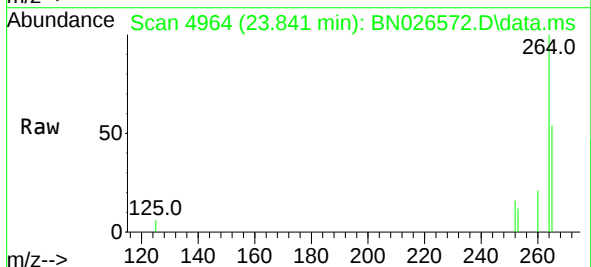
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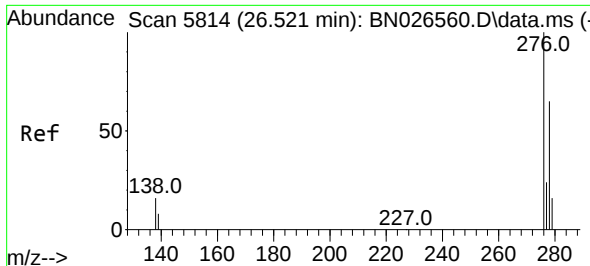
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023



#26  
Benzo(a)pyrene  
Concen: 0.041 ng/ul  
RT: 23.841 min Scan# 4964  
Delta R.T. -0.029 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52

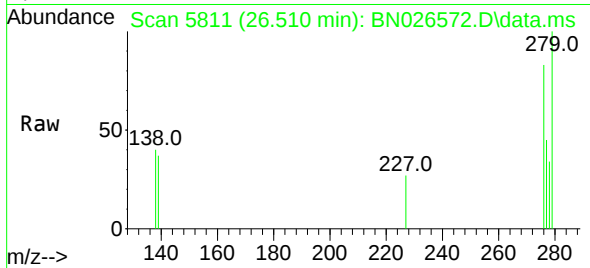
Tgt Ion:252 Resp: 1643  
Ion Ratio Lower Upper  
252 100  
253 75.9 32.6 49.0#  
125 40.7 19.3 28.9#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.020 ng/ul  
RT: 26.510 min Scan# 5811  
Delta R.T. -0.010 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52

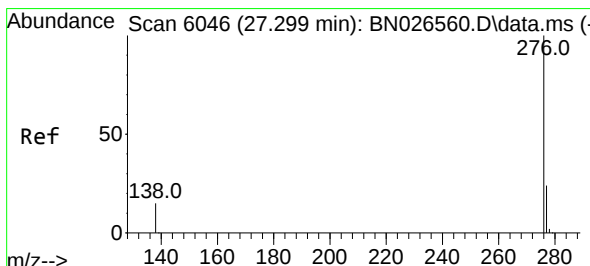
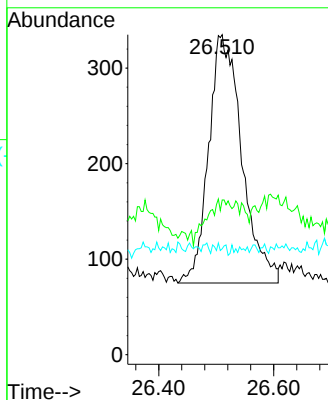
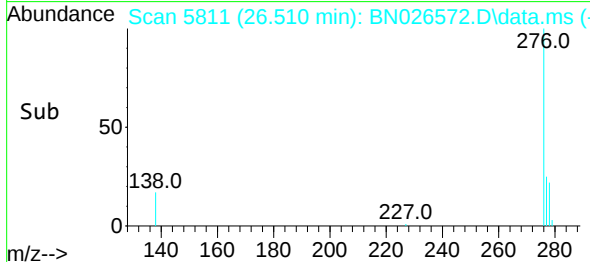
Instrument :  
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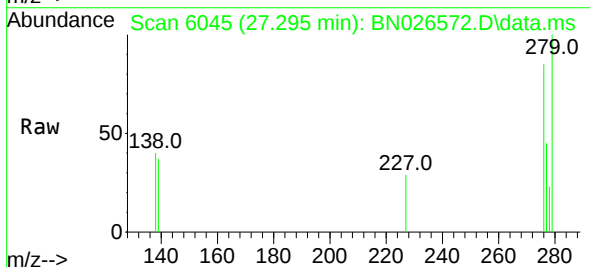
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Ion Ratio Lower Upper  
276 100  
138 19.8 22.2 33.4#  
227 0.4 0.1 0.1#

Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 07/19/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.020 ng/ul  
RT: 27.295 min Scan# 6045  
Delta R.T. -0.004 min  
Lab File: BN026572.D  
Acq: 18 Jul 2023 19:52



Tgt Ion:276 Resp: 933  
Ion Ratio Lower Upper  
276 100  
138 47.2 22.6 34.0#  
277 53.4 21.8 32.8#

