

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071723\  
 Data File : BN026550.D  
 Acq On : 17 Jul 2023 23:21  
 Operator : MA/JU  
 Sample : 03458-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46M2

Manual Integrations  
 APPROVED

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

Quant Time: Jul 18 04:23:19 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 : Mon Jul 17 17:14:21 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.938  | 152  | 3954     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.748 | 136  | 12295    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.579 | 164  | 7900     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.326 | 188  | 17336    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.511 | 240  | 12063    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.923 | 264  | 9810     | 0.400 | ng/ul  | #-0.01   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.297  | 96   | 9939     | 1.909 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.337 | 152  | 2287     | 0.137 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.354 | 212  | 5834     | 0.140 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.798 | 128  | 3960     | 0.117 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.364 | 178  | 2092     | 0.038 | ng/ul# | 84       |
| 19) Fluoranthene            | 19.382 | 202  | 7875     | 0.139 | ng/ul  | 97       |
| 20) Pyrene                  | 19.744 | 202  | 5442m    | 0.089 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.497 | 228  | 3227     | 0.073 | ng/ul# | 90       |
| 22) Chrysene                | 21.549 | 228  | 2835     | 0.056 | ng/ul# | 90       |
| 24) Benzo(b)fluoranthene    | 23.189 | 252  | 3541m    | 0.093 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.233 | 252  | 1732m    | 0.043 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 26.440 | 276  | 1227     | 0.028 | ng/ul# | 82       |
| -----                       |        |      |          |       |        |          |

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

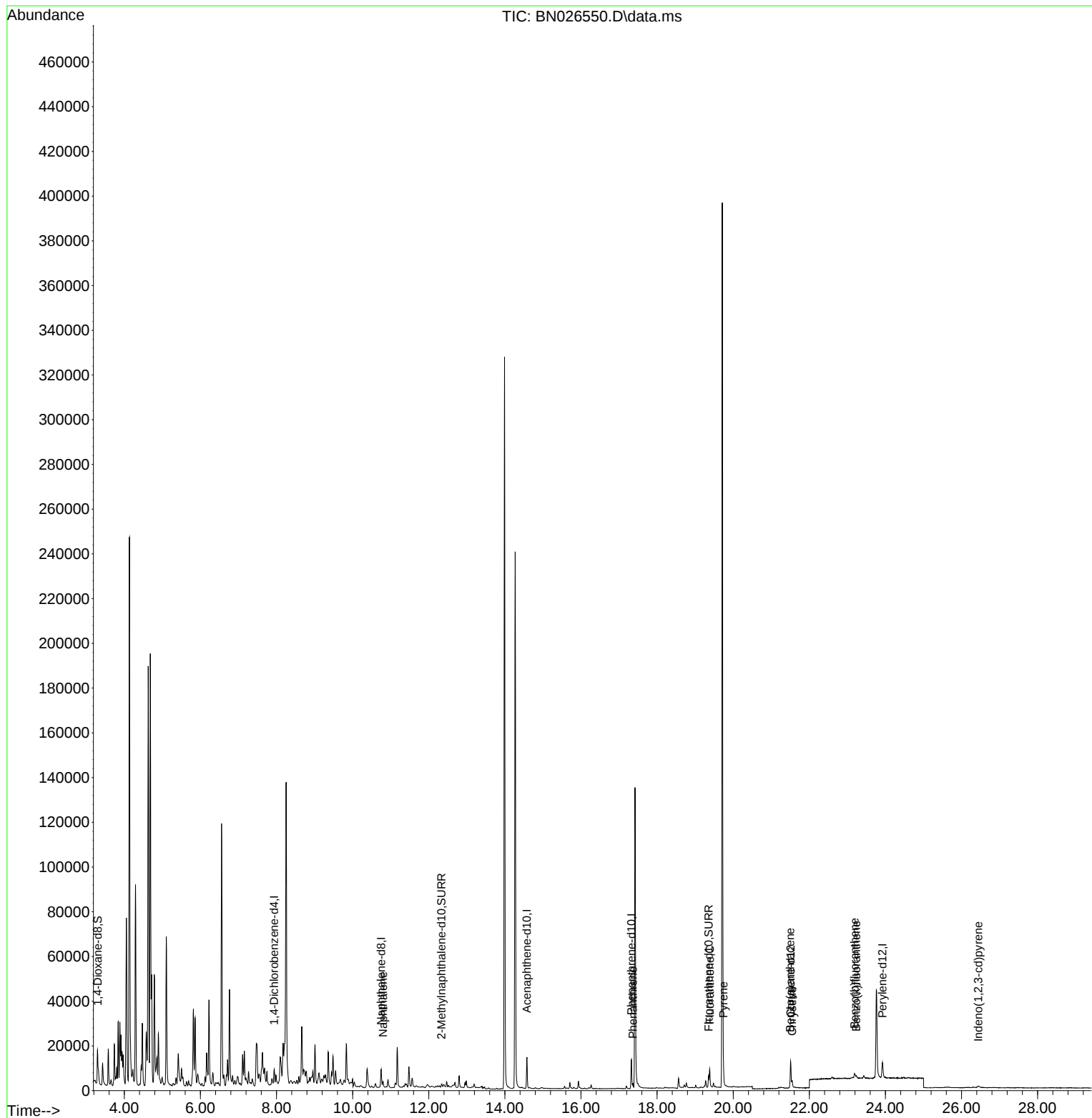
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071723\  
Data File : BN026550.D  
Acq On : 17 Jul 2023 23:21  
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ALS Vial : 25 Sample Multiplier: 1

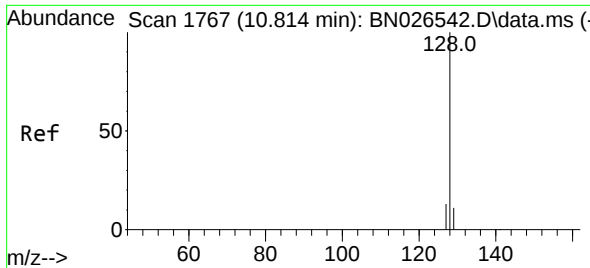
Instrument :  
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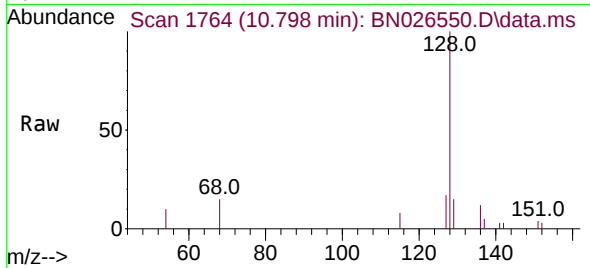
Quant Time: Jul 18 04:23:19 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 17 17:14:21 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.117 ng/ul  
RT: 10.798 min Scan# 1764  
Delta R.T. 0.000 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21

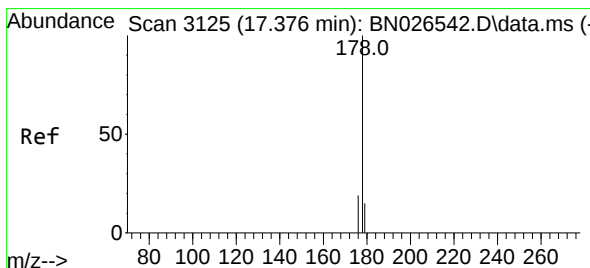
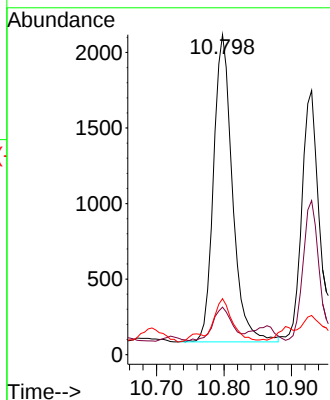
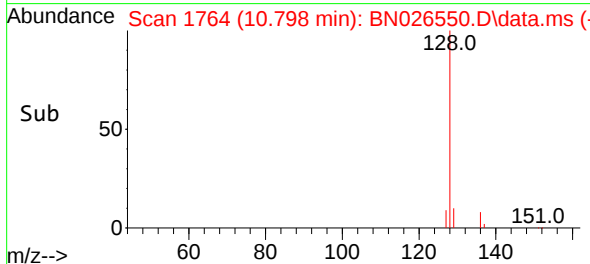
Instrument :  
BNA\_N  
ClientSampleId :  
A46M2



Tgt Ion:128 Resp: 3960  
Ion Ratio Lower Upper  
128 100  
129 14.8 10.2 15.2  
127 17.5 11.4 17.0

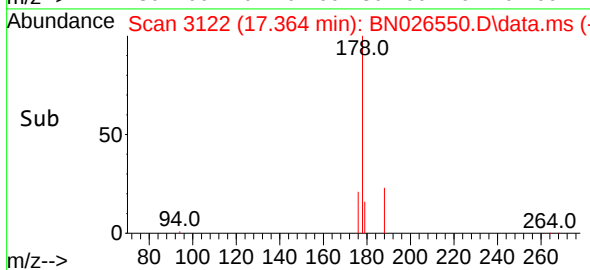
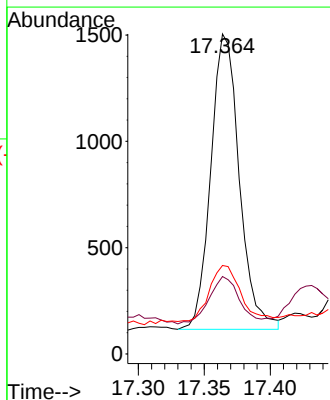
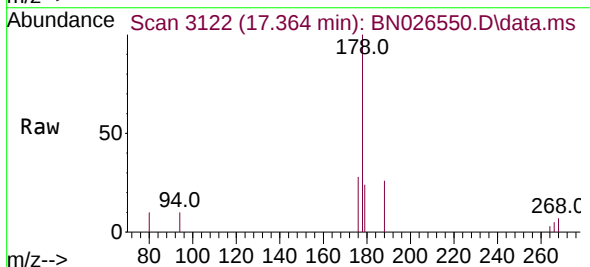
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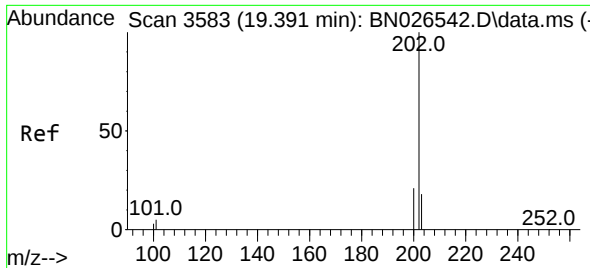
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023



#15  
Phenanthrene  
Concen: 0.038 ng/ul  
RT: 17.364 min Scan# 3122  
Delta R.T. -0.008 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21

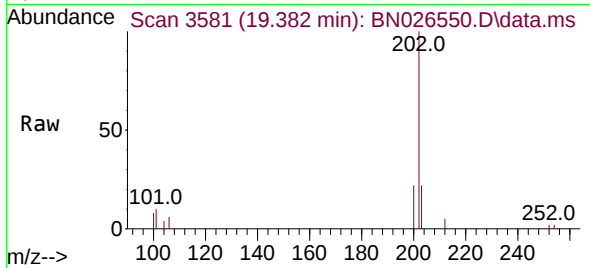
Tgt Ion:178 Resp: 2092  
Ion Ratio Lower Upper  
178 100  
179 24.2 13.7 20.5#  
176 27.6 16.5 24.7#





#19  
Fluoranthene  
Concen: 0.139 ng/ul  
RT: 19.382 min Scan# 3581  
Delta R.T. -0.005 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21

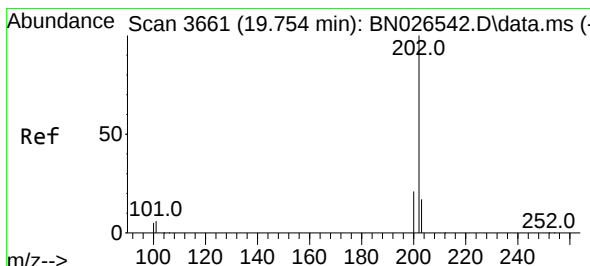
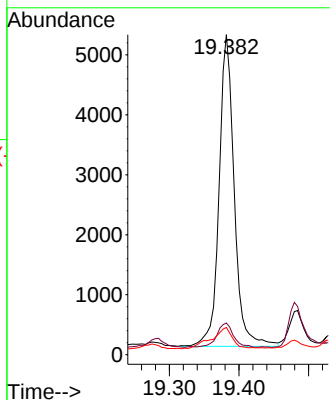
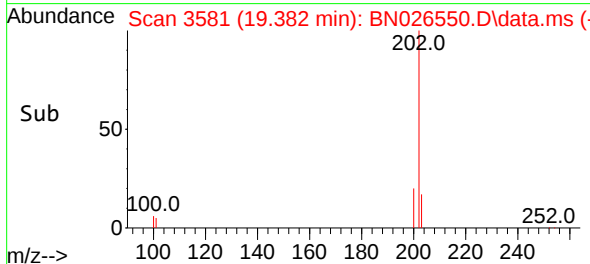
Instrument :  
BNA\_N  
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Tgt Ion:202 Resp: 7875  
Ion Ratio Lower Upper  
202 100  
101 9.9 7.0 10.4  
100 8.5 6.0 9.0

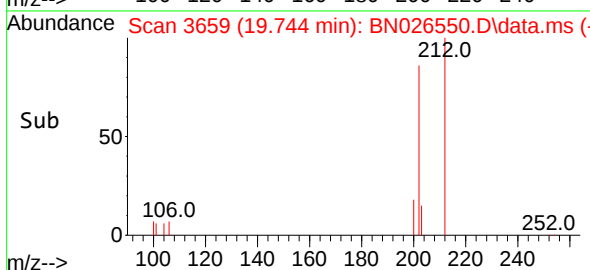
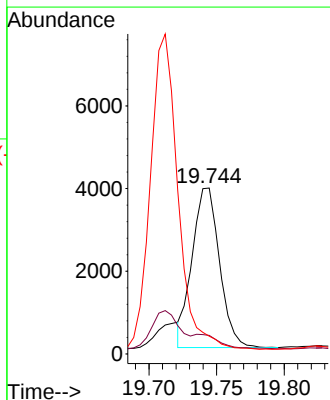
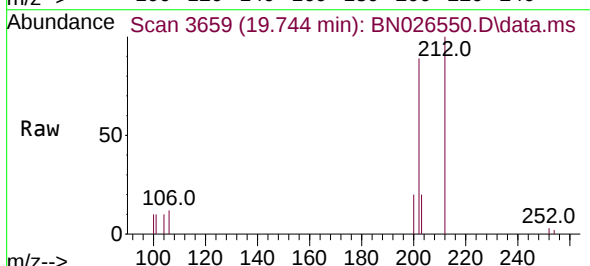
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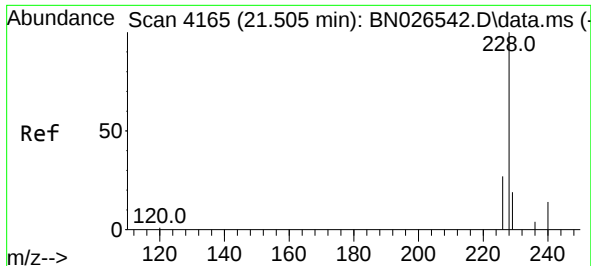
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023



#20  
Pyrene  
Concen: 0.089 ng/ul m  
RT: 19.744 min Scan# 3659  
Delta R.T. -0.005 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21

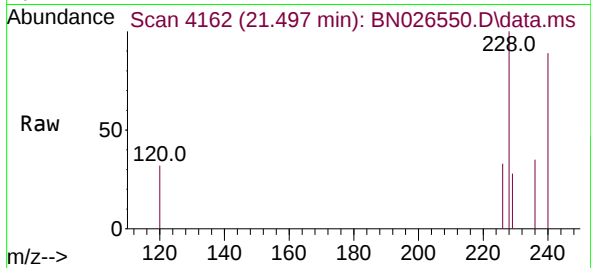
Tgt Ion:202 Resp: 5442  
Ion Ratio Lower Upper  
202 100  
101 11.2 8.0 12.0  
100 10.7 6.2 9.2#





#21  
Benzo(a)anthracene  
Concen: 0.073 ng/u1  
RT: 21.497 min Scan# 4165  
Delta R.T. -0.006 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21

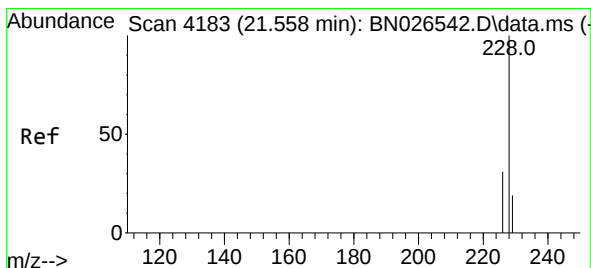
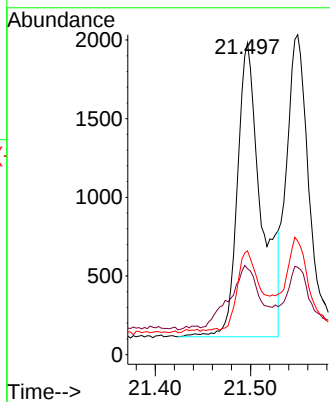
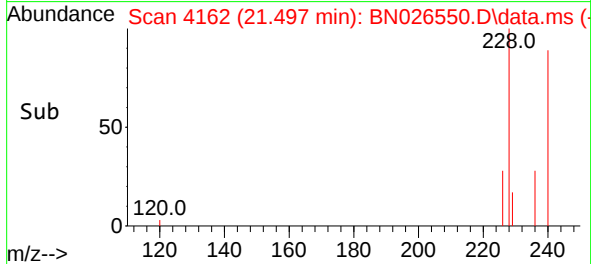
Instrument :  
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Tgt Ion:228 Resp: 3225  
Ion Ratio Lower Upper  
228 100  
229 27.6 16.7 25.1  
226 33.3 23.5 35.3

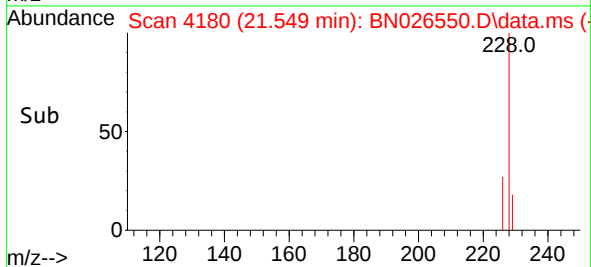
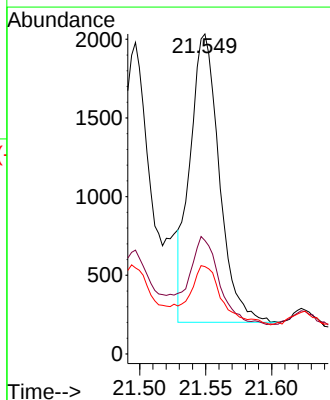
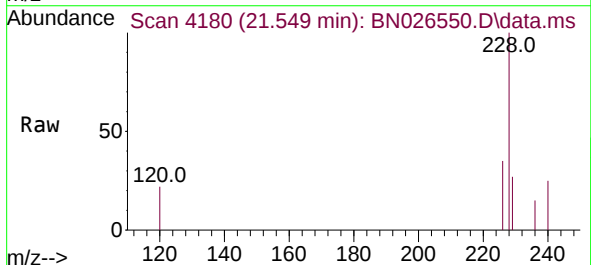
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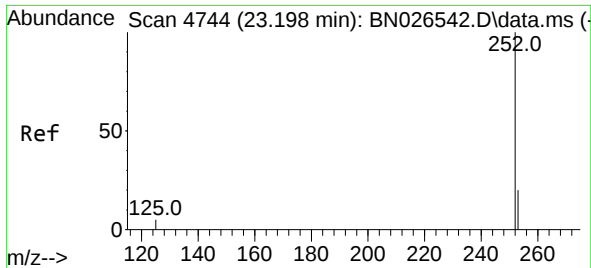
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023



#22  
Chrysene  
Concen: 0.056 ng/u1  
RT: 21.549 min Scan# 4180  
Delta R.T. -0.009 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21

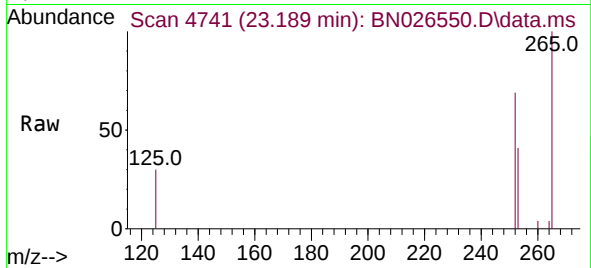
Tgt Ion:228 Resp: 2835  
Ion Ratio Lower Upper  
228 100  
226 35.4 25.2 37.8  
229 27.3 16.4 24.6





#24  
Benzo(b)fluoranthene  
Concen: 0.093 ng/ul m  
RT: 23.189 min Scan# 4741  
Delta R.T. -0.006 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21

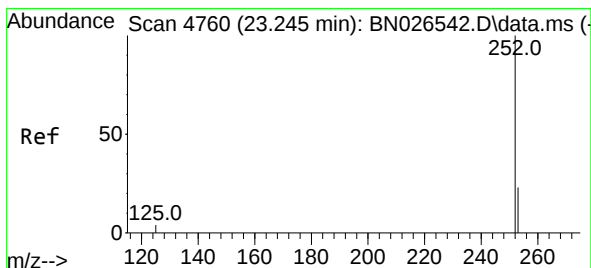
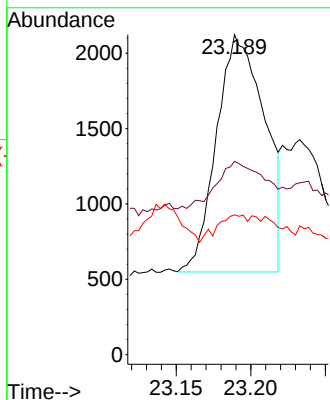
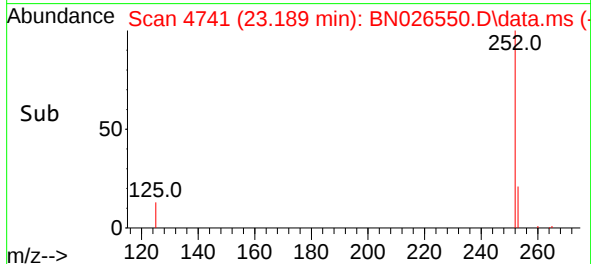
Instrument :  
BNA\_N  
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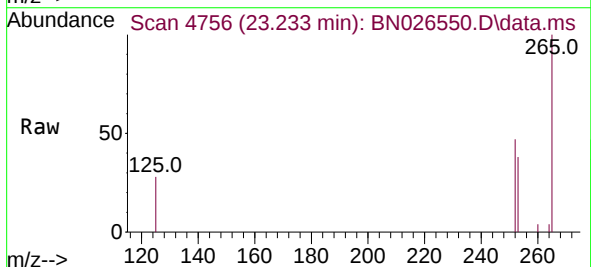
Tgt Ion:252 Resp: 354  
Ion Ratio Lower Upper  
252 100  
253 60.4 0.0 68.6  
125 43.7 0.0 34.0

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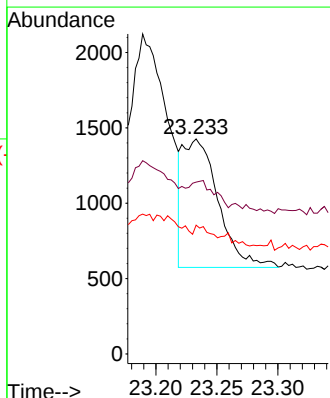
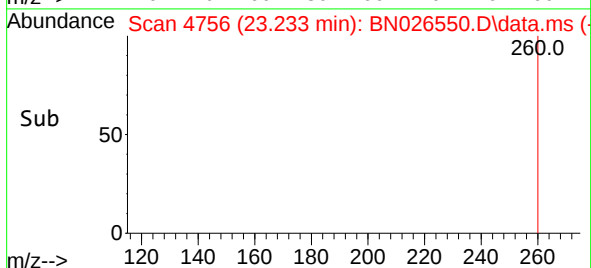
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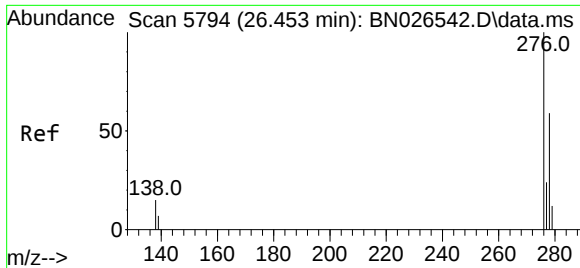


#25  
Benzo(k)fluoranthene  
Concen: 0.043 ng/ul m  
RT: 23.233 min Scan# 4756  
Delta R.T. -0.012 min  
Lab File: BN026550.D  
Acq: 17 Jul 2023 23:21



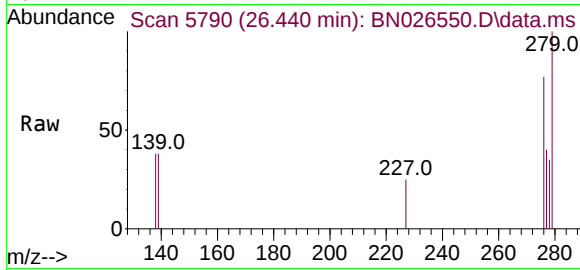
Tgt Ion:252 Resp: 1732  
Ion Ratio Lower Upper  
252 100  
253 79.9 27.2 40.8#  
125 59.8 13.4 20.2#





#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.028 ng/ul  
 RT: 26.440 min Scan# 51  
 Delta R.T. -0.013 min  
 Lab File: BN026550.D  
 Acq: 17 Jul 2023 23:21

Instrument :  
 BNA\_N  
 ClientSampleId :  
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Tgt Ion:276 Resp: 122  
 Ion Ratio Lower Upper  
 276 100  
 138 18.3 22.2 33.4  
 227 1.5 0.1 0.1

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