

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026194.D  
 Acq On : 02 Jul 2023 18:12  
 Operator : MA/JU  
 Sample : 03247-19  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGM5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023  
 Supervised By :Sohil Jodhani 07/04/2023

Quant Time: Jul 03 05:41:17 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 01 01:46:24 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.955  | 152  | 9149     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.769 | 136  | 27955    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.597 | 164  | 15695    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.346 | 188  | 29087    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.534 | 240  | 16381    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.995 | 264  | 19267    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.318  | 96   | 19545    | 1.897 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.358 | 152  | 5677     | 0.132 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.376 | 212  | 8759     | 0.140 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.818 | 128  | 2983     | 0.037 | ng/ul# | 87       |
| 7) 2-Methylnaphthalene      | 12.430 | 142  | 1934     | 0.038 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.650 | 142  | 1517     | 0.029 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.320 | 152  | 4753     | 0.065 | ng/ul# | 86       |
| 11) Acenaphthene            | 14.662 | 153  | 1506     | 0.025 | ng/ul# | 93       |
| 12) Fluorene                | 15.648 | 166  | 1438     | 0.021 | ng/ul# | 92       |
| 15) Phenanthrene            | 17.389 | 178  | 29084    | 0.303 | ng/ul  | 97       |
| 16) Anthracene              | 17.482 | 178  | 4888     | 0.057 | ng/ul# | 82       |
| 19) Fluoranthene            | 19.404 | 202  | 84450    | 0.965 | ng/ul  | 98       |
| 20) Pyrene                  | 19.771 | 202  | 67253m   | 0.739 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.516 | 228  | 33775    | 0.500 | ng/ul# | 88       |
| 22) Chrysene                | 21.572 | 228  | 46970    | 0.668 | ng/ul# | 91       |
| 24) Benzo(b)fluoranthene    | 23.247 | 252  | 78787m   | 0.958 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.285 | 252  | 24875m   | 0.301 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.890 | 252  | 44307    | 0.620 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.570 | 276  | 40633    | 0.521 | ng/ul# | 81       |
| 28) Dibenzo(a,h)anthracene  | 26.580 | 278  | 9191     | 0.156 | ng/ul# | 43       |
| 29) Benzo(g,h,i)perylene    | 27.372 | 276  | 37433m   | 0.539 | ng/ul  |          |
| -----                       |        |      |          |       |        |          |

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

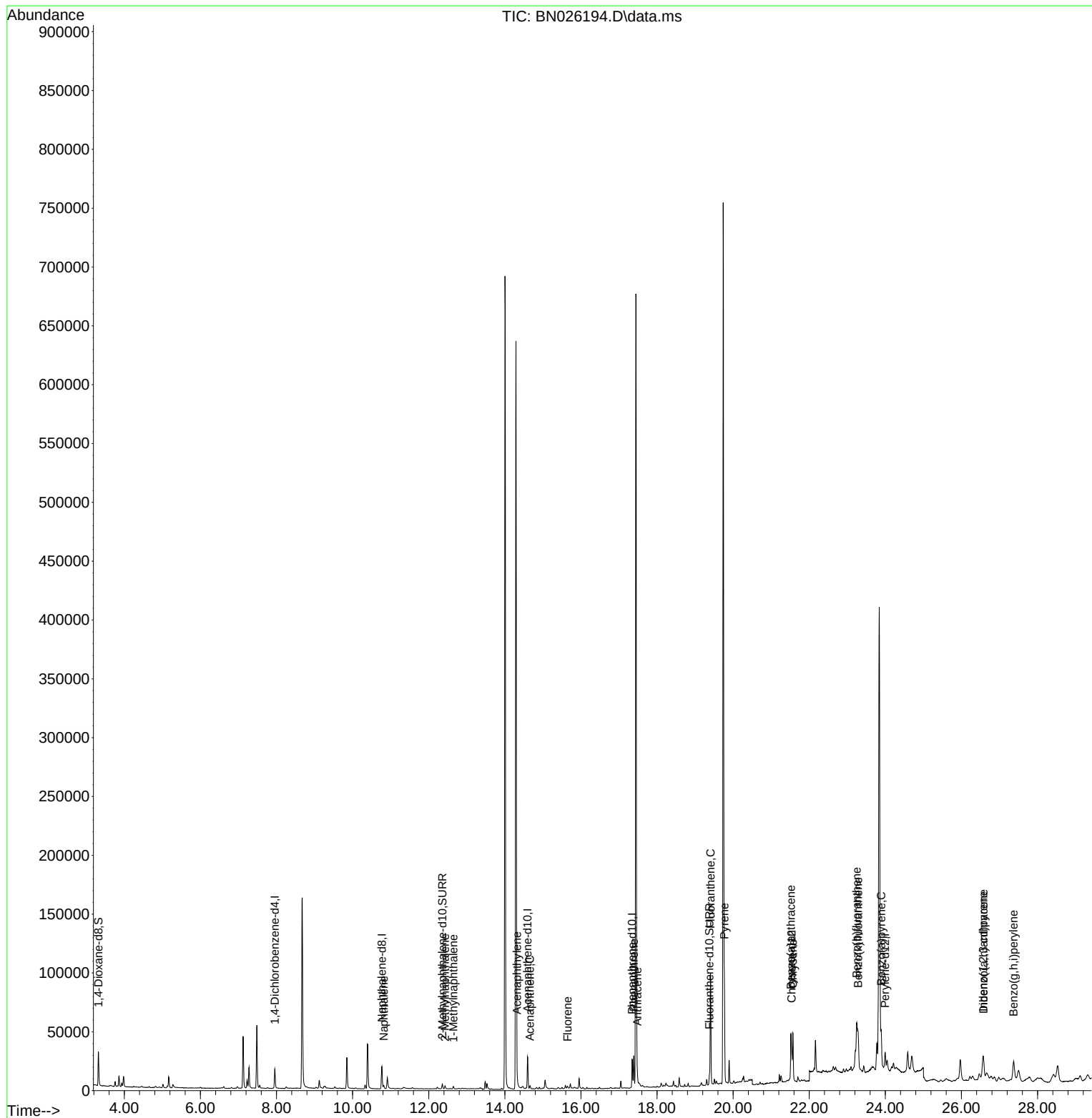
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026194.D  
Acq On : 02 Jul 2023 18:12  
Operator : MA/JU  
Sample : 03247-19  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

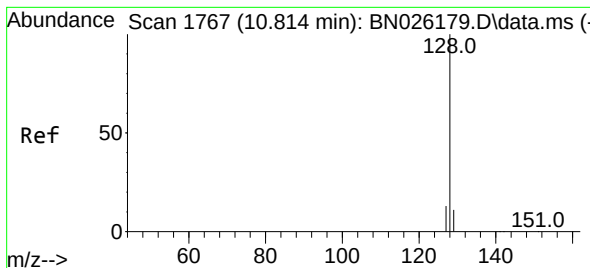
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023

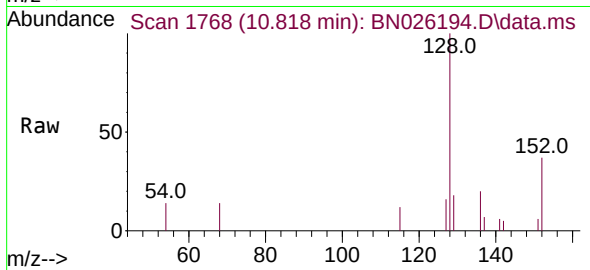
Quant Time: Jul 03 05:41:17 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 01 01:46:24 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.037 ng/ul  
RT: 10.818 min Scan# 1768  
Delta R.T. -0.007 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

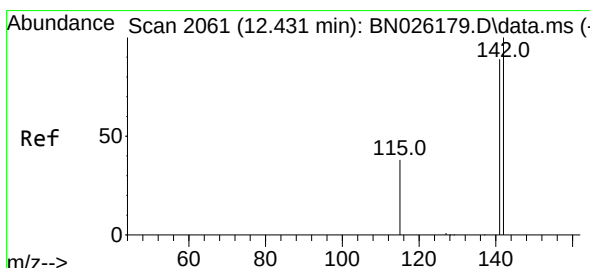
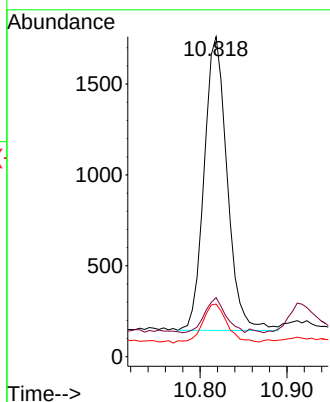
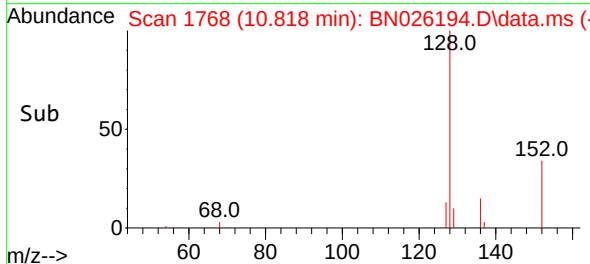
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



Tgt Ion:128 Resp: 298  
Ion Ratio Lower Upper  
128 100  
129 18.5 9.1 13.7  
127 16.5 10.7 16.1

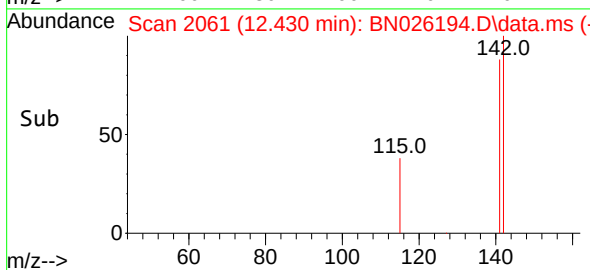
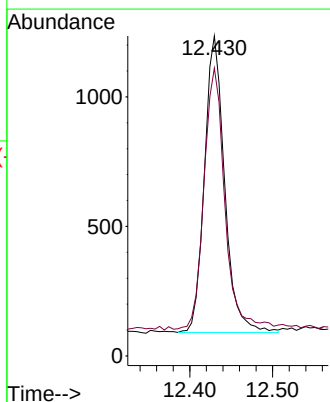
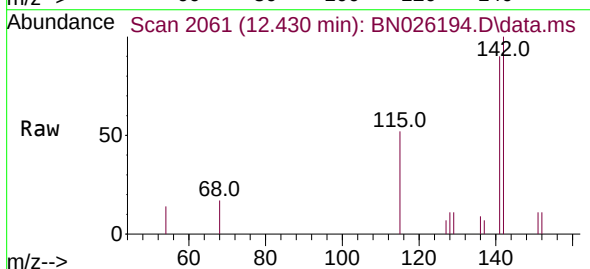
Manual Integrations  
APPROVED

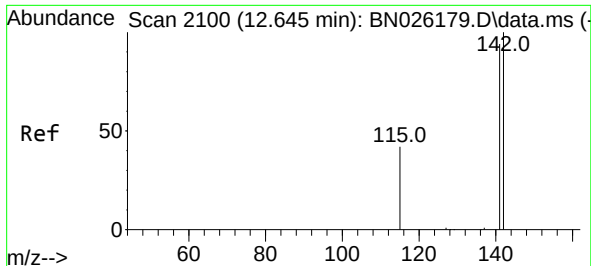
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#7  
2-Methylnaphthalene  
Concen: 0.038 ng/ul  
RT: 12.430 min Scan# 2061  
Delta R.T. -0.007 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

Tgt Ion:142 Resp: 1934  
Ion Ratio Lower Upper  
142 100  
141 91.2 71.9 107.9





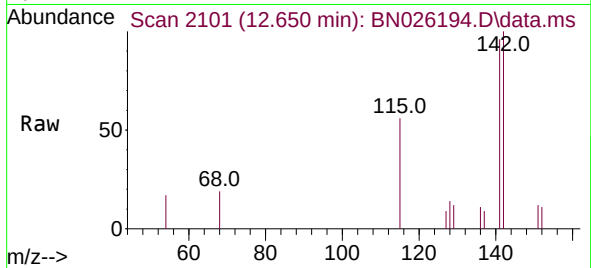
#8  
1-Methylnaphthalene  
Concen: 0.029 ng/ul  
RT: 12.650 min Scan# 2101  
Delta R.T. -0.001 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

Instrument :

BNA\_N

ClientSampleId :

DCGM5

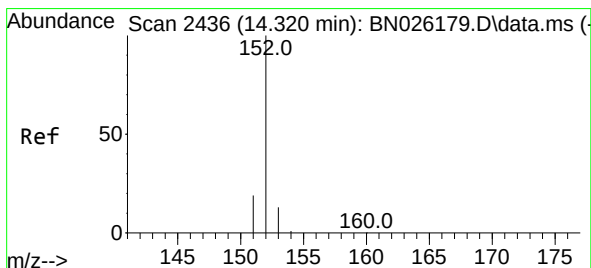
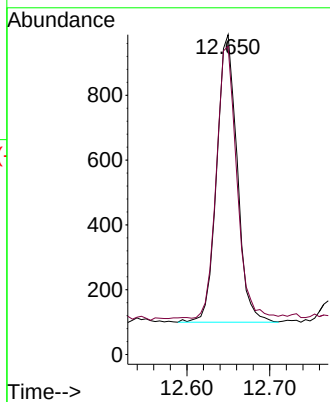
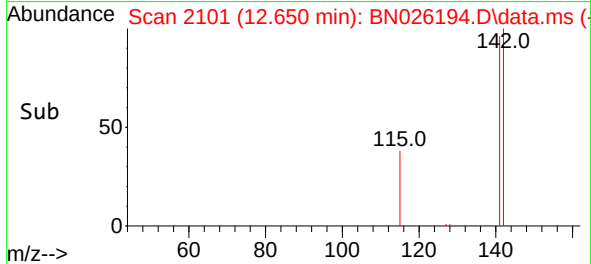


Tgt Ion:142 Resp: 151  
Ion Ratio Lower Upper  
142 100  
141 95.1 74.2 111.4

Manual Integrations

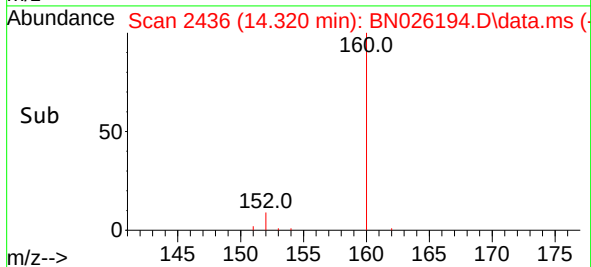
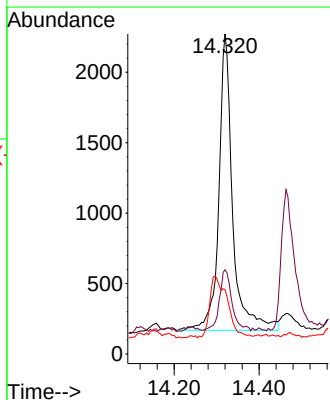
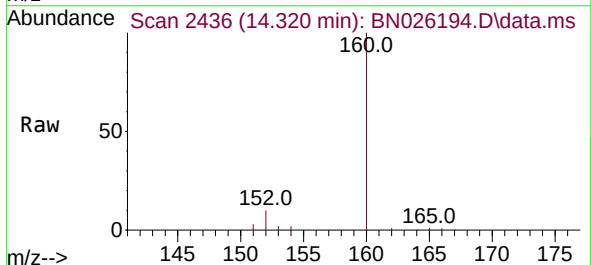
APPROVED

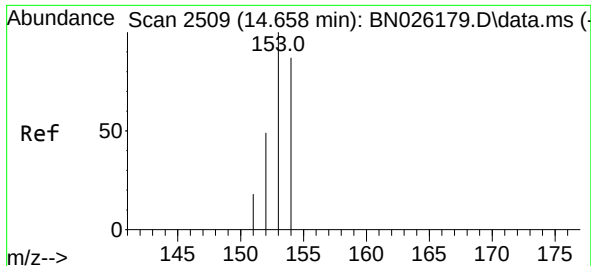
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#10  
Acenaphthylene  
Concen: 0.065 ng/ul  
RT: 14.320 min Scan# 2436  
Delta R.T. -0.006 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

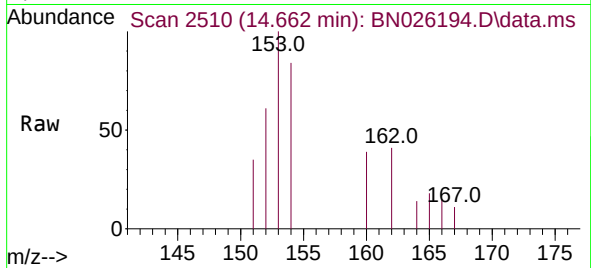
Tgt Ion:152 Resp: 4753  
Ion Ratio Lower Upper  
152 100  
151 26.3 16.2 24.4#  
153 20.1 10.9 16.3#





#11  
Acenaphthene  
Concen: 0.025 ng/ul  
RT: 14.662 min Scan# 2510  
Delta R.T. -0.006 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

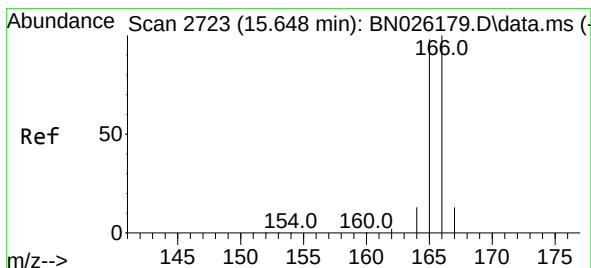
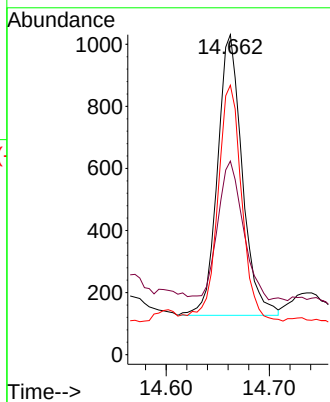
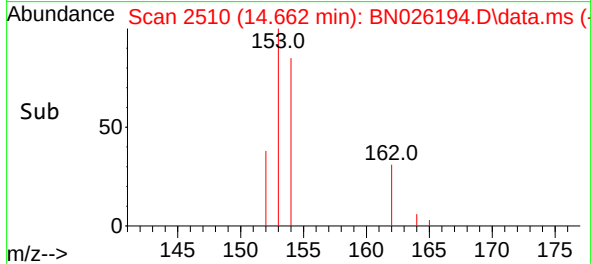
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



Tgt Ion:153 Resp: 1500  
Ion Ratio Lower Upper  
153 100  
152 60.5 39.4 59.0  
154 84.2 68.9 103.3

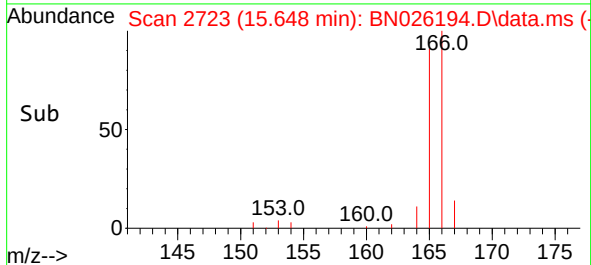
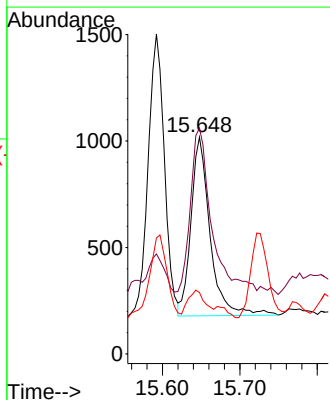
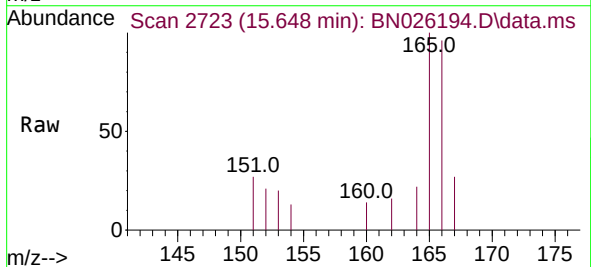
Manual Integrations  
APPROVED

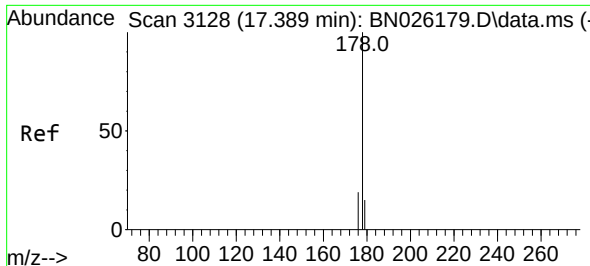
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#12  
Fluorene  
Concen: 0.021 ng/ul  
RT: 15.648 min Scan# 2723  
Delta R.T. -0.006 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

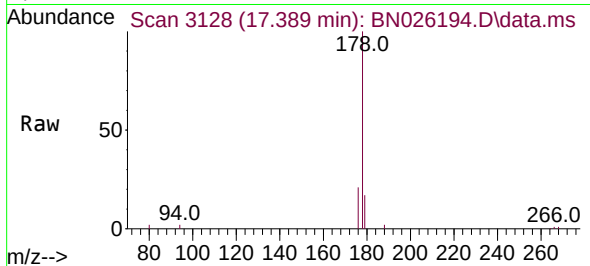
Tgt Ion:166 Resp: 1438  
Ion Ratio Lower Upper  
166 100  
165 104.2 79.9 119.9  
167 28.4 10.8 16.2#





#15  
Phenanthrene  
Concen: 0.303 ng/u1  
RT: 17.389 min Scan# 3128  
Delta R.T. -0.005 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

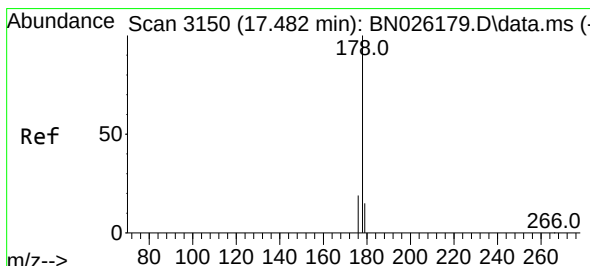
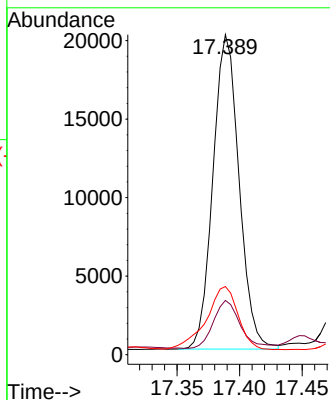
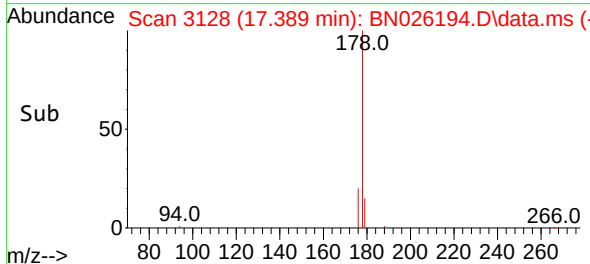
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



Tgt Ion:178 Resp: 29084  
Ion Ratio Lower Upper  
178 100  
179 16.9 12.6 19.0  
176 21.3 15.8 23.6

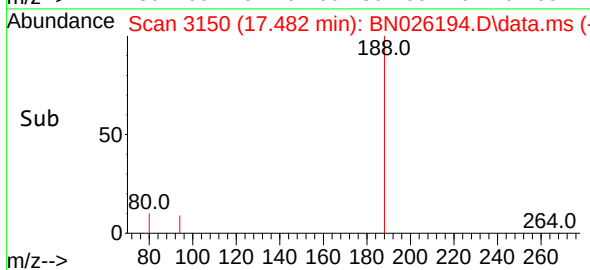
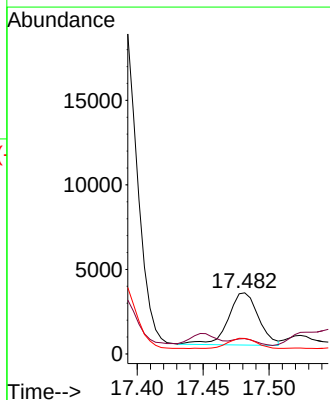
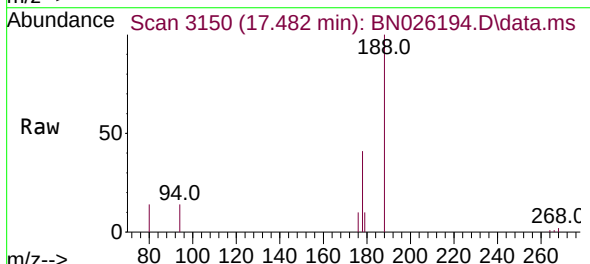
Manual Integrations  
APPROVED

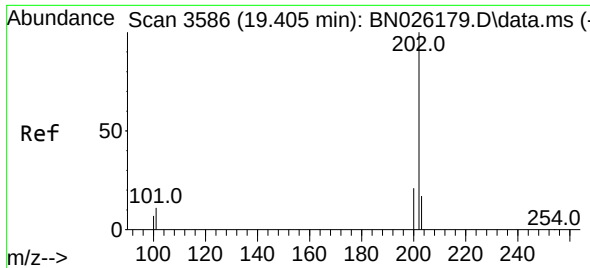
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#16  
Anthracene  
Concen: 0.057 ng/u1  
RT: 17.482 min Scan# 3150  
Delta R.T. -0.005 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

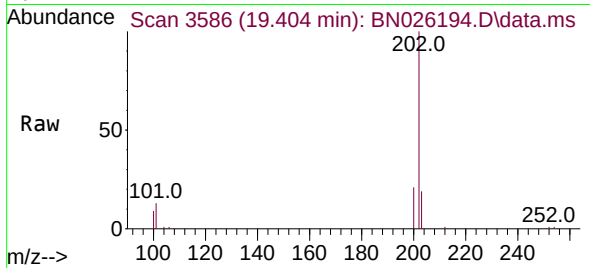
Tgt Ion:178 Resp: 4888  
Ion Ratio Lower Upper  
178 100  
179 25.2 12.6 18.8#  
176 25.5 15.1 22.7#





#19  
Fluoranthene  
Concen: 0.965 ng/ul  
RT: 19.404 min Scan# 3586  
Delta R.T. -0.006 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

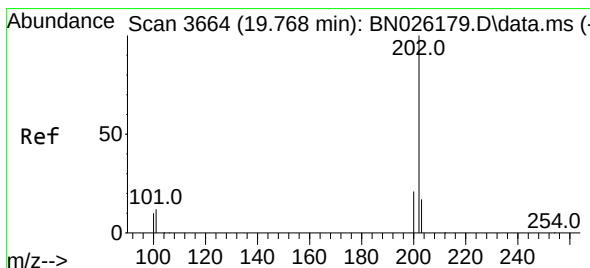
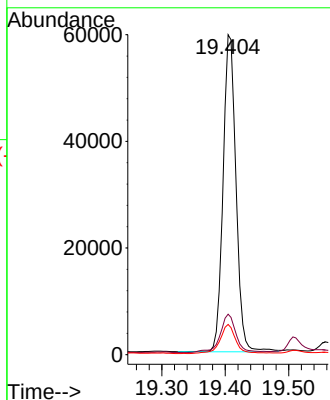
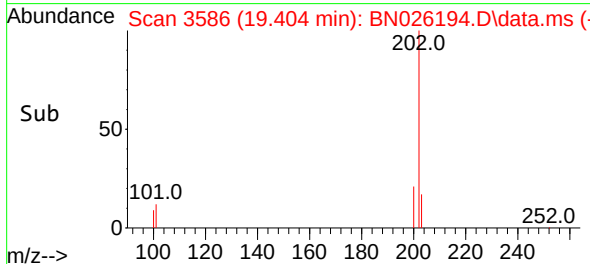
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



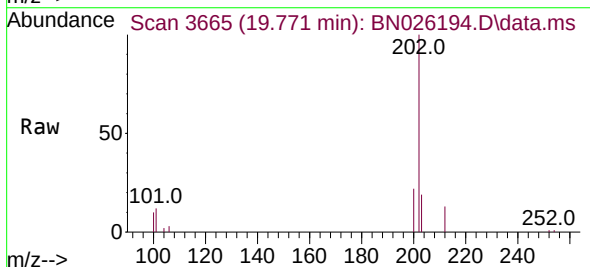
Tgt Ion:202 Resp: 84450  
Ion Ratio Lower Upper  
202 100  
101 12.7 9.5 14.3  
100 9.4 7.3 10.9

Manual Integrations  
APPROVED

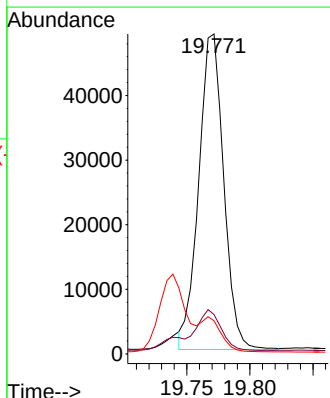
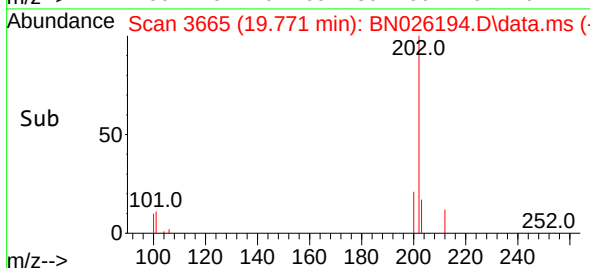
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023

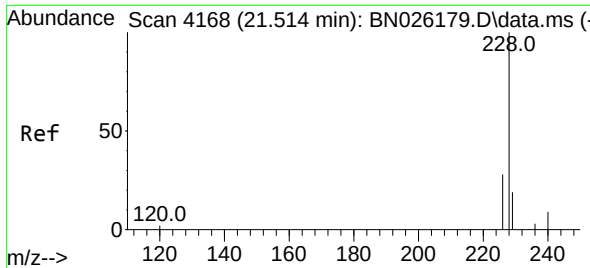


#20  
Pyrene  
Concen: 0.739 ng/ul m  
RT: 19.771 min Scan# 3665  
Delta R.T. -0.002 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12



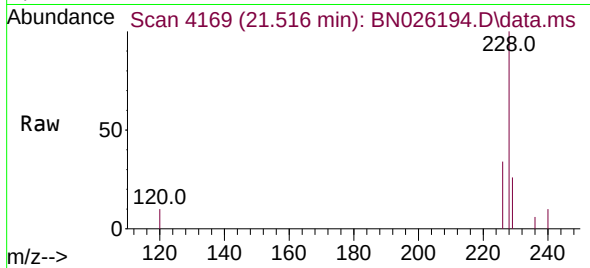
Tgt Ion:202 Resp: 67253  
Ion Ratio Lower Upper  
202 100  
101 12.3 11.4 17.0  
100 10.3 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 0.500 ng/ul  
RT: 21.516 min Scan# 4168  
Delta R.T. -0.010 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

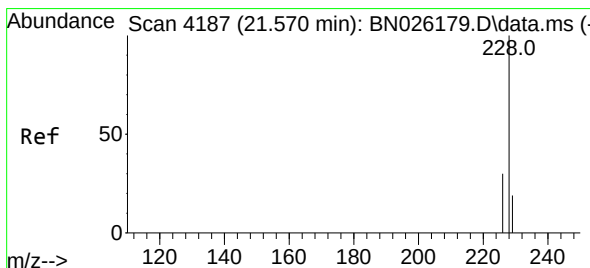
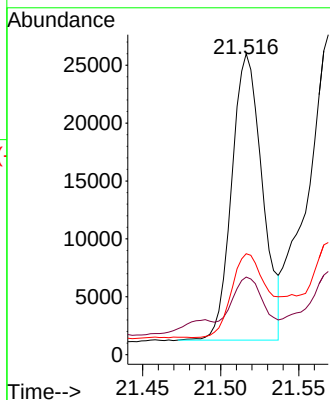
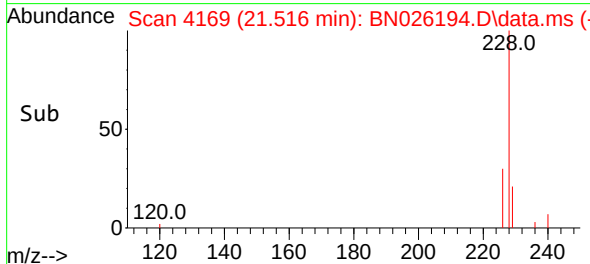
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



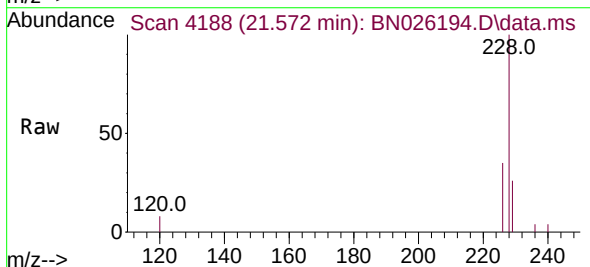
Tgt Ion:228 Resp: 33775  
Ion Ratio Lower Upper  
228 100  
229 25.8 15.8 23.6  
226 33.6 22.5 33.7

Manual Integrations  
APPROVED

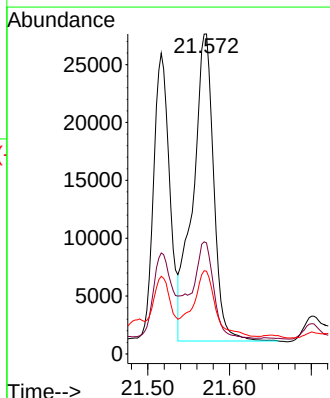
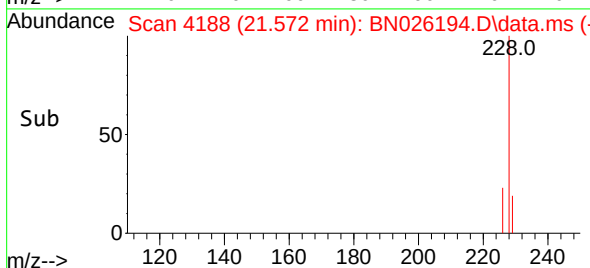
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



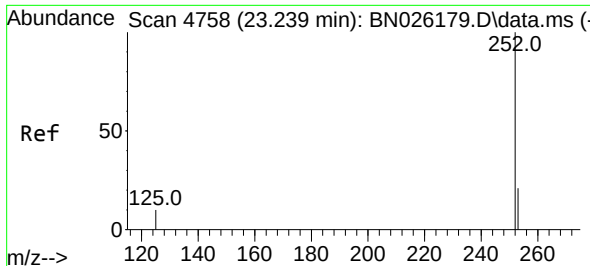
#22  
Chrysene  
Concen: 0.668 ng/ul  
RT: 21.572 min Scan# 4188  
Delta R.T. -0.007 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12



Tgt Ion:228 Resp: 46970  
Ion Ratio Lower Upper  
228 100  
226 34.7 24.8 37.2  
229 25.9 15.7 23.5

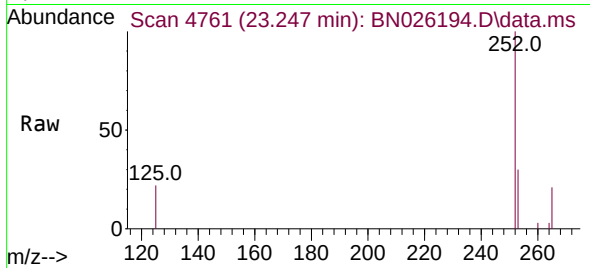






#24  
Benzo(b)fluoranthene  
Concen: 0.958 ng/ul m  
RT: 23.247 min Scan# 4761  
Delta R.T. 0.004 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

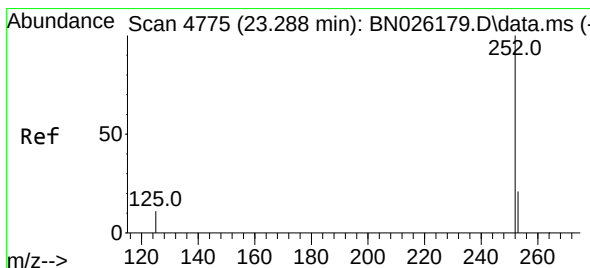
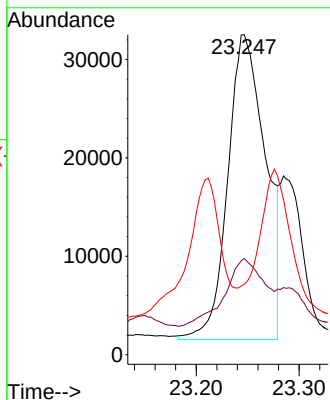
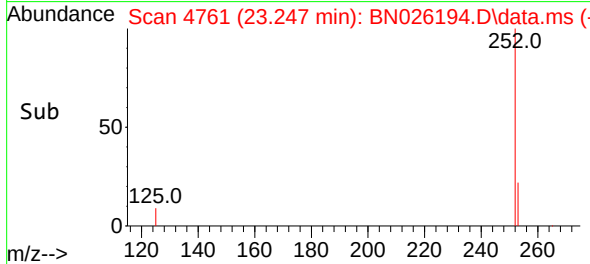
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



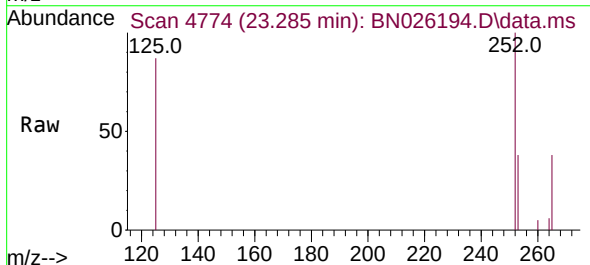
Tgt Ion:252 Resp: 7878  
Ion Ratio Lower Upper  
252 100  
253 30.1 0.0 55.6  
125 22.0 0.0 35.8

Manual Integrations  
APPROVED

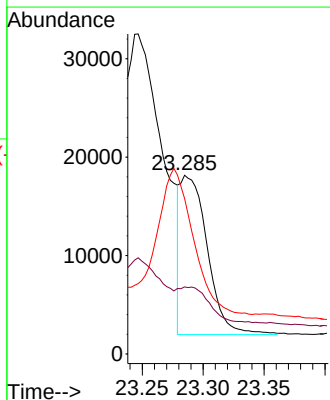
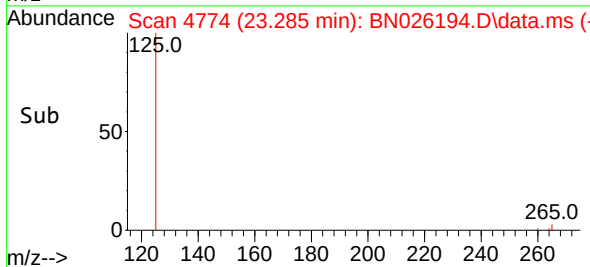
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023

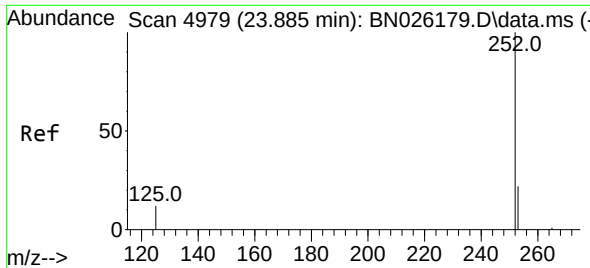


#25  
Benzo(k)fluoranthene  
Concen: 0.301 ng/ul m  
RT: 23.285 min Scan# 4774  
Delta R.T. -0.007 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12



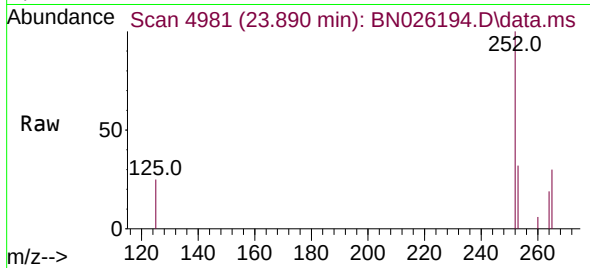
Tgt Ion:252 Resp: 24875  
Ion Ratio Lower Upper  
252 100  
253 37.6 23.2 34.8#  
125 86.9 15.0 22.4#





#26  
Benzo(a)pyrene  
Concen: 0.620 ng/ul  
RT: 23.890 min Scan# 4981  
Delta R.T. 0.004 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

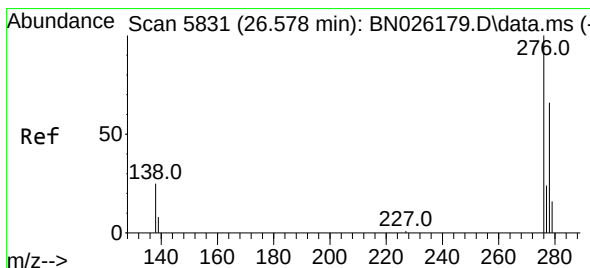
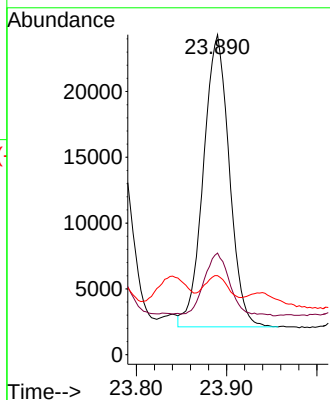
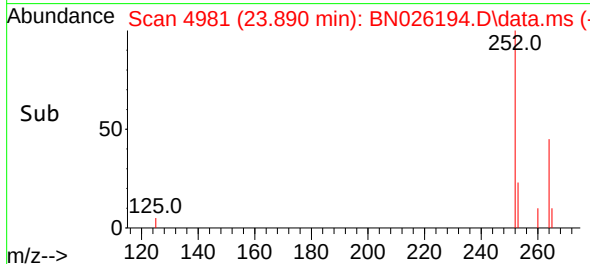
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



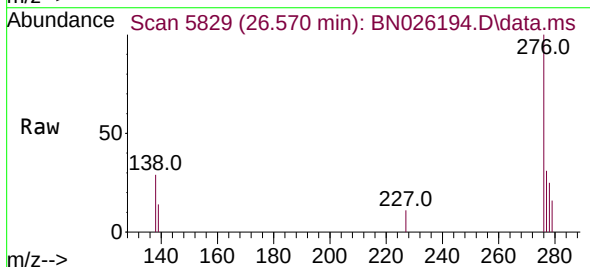
Tgt Ion:252 Resp: 44307  
Ion Ratio Lower Upper  
252 100  
253 31.8 26.0 39.0  
125 24.7 17.3 25.9

Manual Integrations  
APPROVED

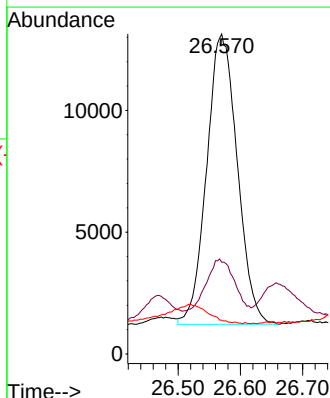
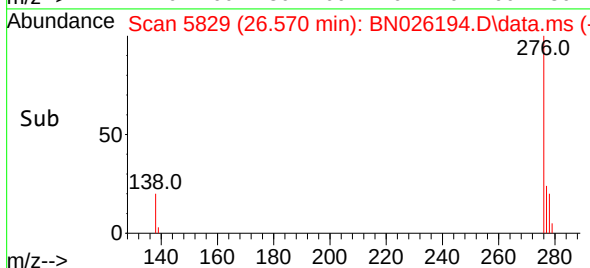
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023

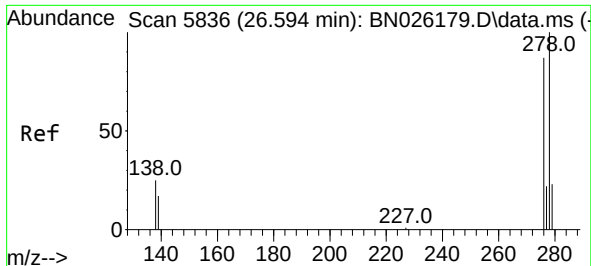


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.521 ng/ul  
RT: 26.570 min Scan# 5829  
Delta R.T. 0.012 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12



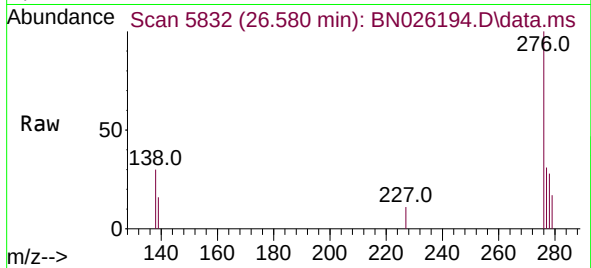
Tgt Ion:276 Resp: 40633  
Ion Ratio Lower Upper  
276 100  
138 20.2 24.5 36.7#  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.156 ng/ul  
RT: 26.580 min Scan# 5832  
Delta R.T. 0.002 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

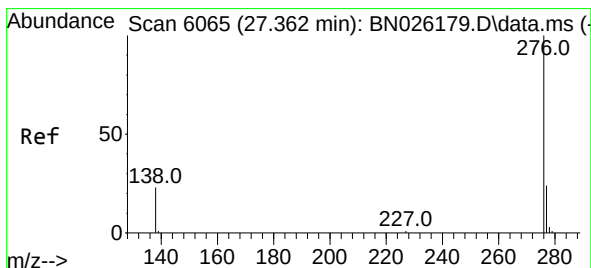
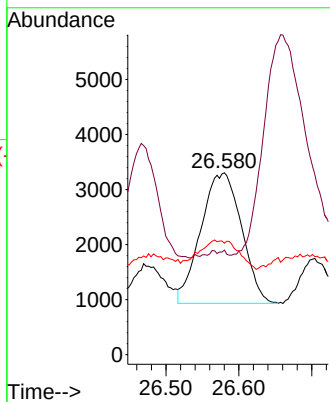
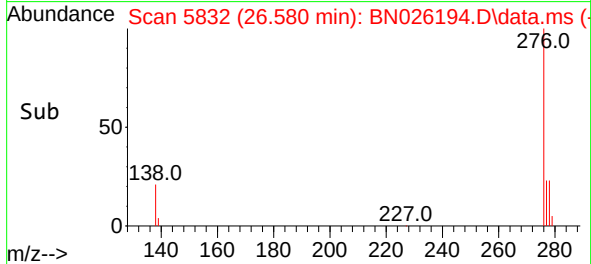
Instrument :  
BNA\_N  
ClientSampleId :  
DCGM5



Tgt Ion:278 Resp: 919  
Ion Ratio Lower Upper  
278 100  
139 57.5 19.0 28.4  
279 61.4 26.7 40.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.539 ng/ul m  
RT: 27.372 min Scan# 6068  
Delta R.T. 0.025 min  
Lab File: BN026194.D  
Acq: 02 Jul 2023 18:12

Tgt Ion:276 Resp: 37433  
Ion Ratio Lower Upper  
276 100  
138 31.0 23.4 35.0  
277 31.9 20.0 30.0

