

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
 Data File : BN026088.D  
 Acq On : 29 Jun 2023 10:50  
 Operator : MA/JU  
 Sample : 03142-20  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFT7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023  
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 30 00:42:54 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 : Wed Jun 28 22:47:20 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.967  | 152  | 7606     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.774 | 136  | 24720    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.607 | 164  | 15544    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.350 | 188  | 31820    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.543 | 240  | 17270    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.995 | 264  | 16467    | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.322  | 96   | 21803    | 2.545 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.364 | 152  | 7212     | 0.190 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.376 | 212  | 17843    | 0.271 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.824 | 128  | 26086    | 0.368 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.435 | 142  | 31706    | 0.703 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.655 | 142  | 25249    | 0.540 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.324 | 152  | 11285    | 0.155 | ng/ul# | 89       |
| 11) Acenaphthene            | 14.671 | 153  | 2336     | 0.039 | ng/ul# | 89       |
| 12) Fluorene                | 15.652 | 166  | 2094     | 0.031 | ng/ul# | 71       |
| 15) Phenanthrene            | 17.393 | 178  | 93340    | 0.888 | ng/ul  | 100      |
| 16) Anthracene              | 17.486 | 178  | 8573     | 0.092 | ng/ul# | 91       |
| 19) Fluoranthene            | 19.409 | 202  | 126283   | 1.369 | ng/ul# | 95       |
| 20) Pyrene                  | 19.771 | 202  | 112613m  | 1.174 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.525 | 228  | 59481m   | 0.835 | ng/ul  |          |
| 22) Chrysene                | 21.578 | 228  | 89360    | 1.205 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.249 | 252  | 111207m  | 1.582 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.290 | 252  | 31437m   | 0.445 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.887 | 252  | 59057    | 0.967 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.553 | 276  | 48526    | 0.728 | ng/ul# | 84       |
| 28) Dibenzo(a,h)anthracene  | 26.557 | 278  | 13572    | 0.269 | ng/ul# | 74       |
| 29) Benzo(g,h,i)perylene    | 27.351 | 276  | 48121    | 0.811 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

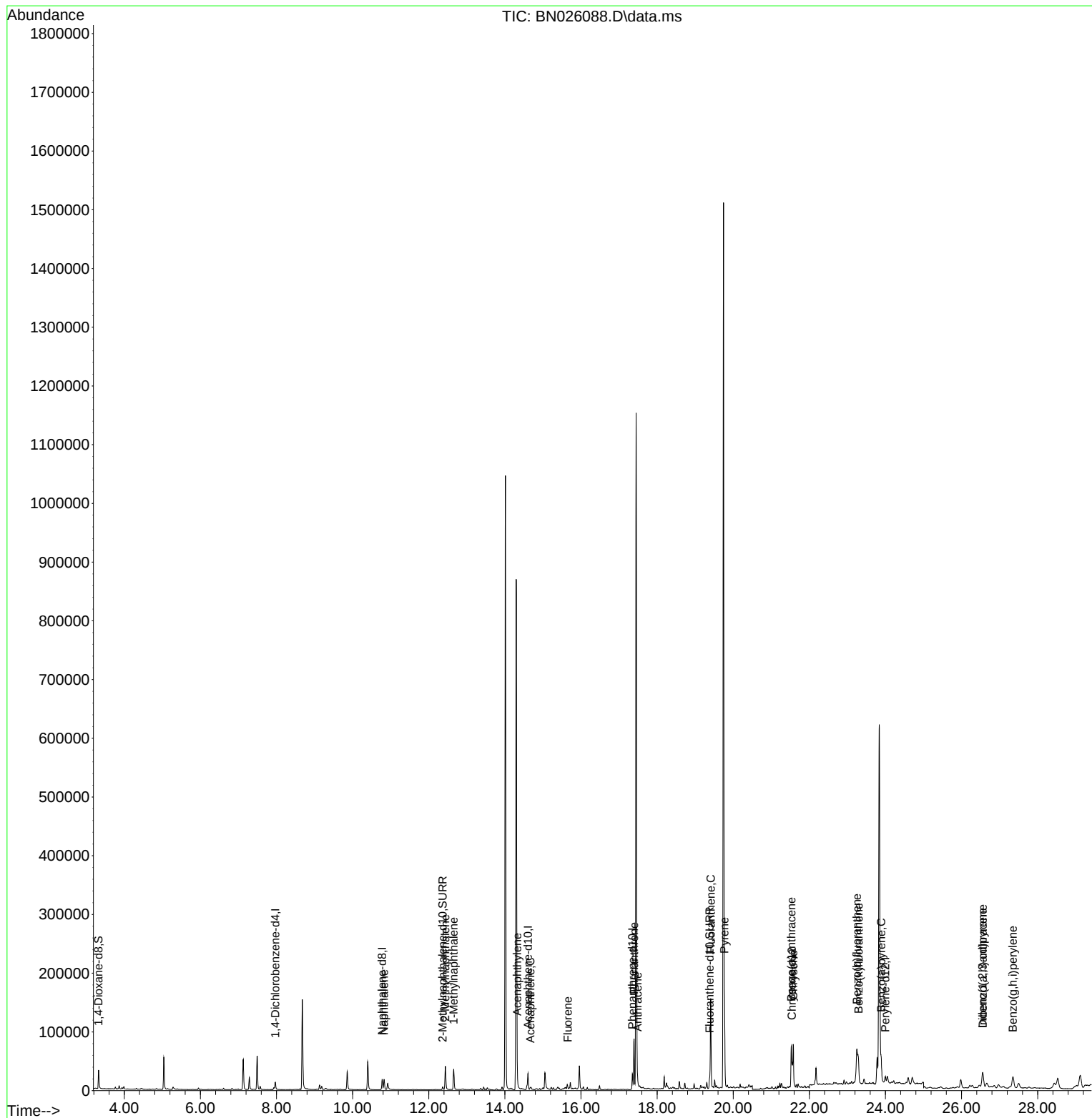
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
Data File : BN026088.D  
Acq On : 29 Jun 2023 10:50  
Operator : MA/JU  
Sample : 03142-20  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

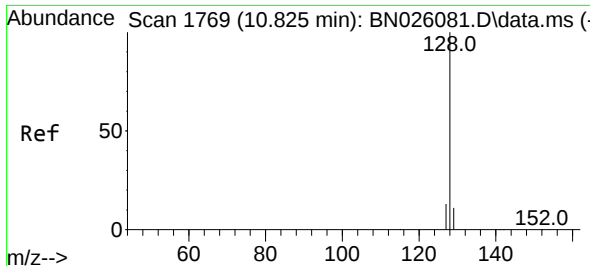
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7

Quant Time: Jun 30 00:42:54 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 : Wed Jun 28 22:47:20 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

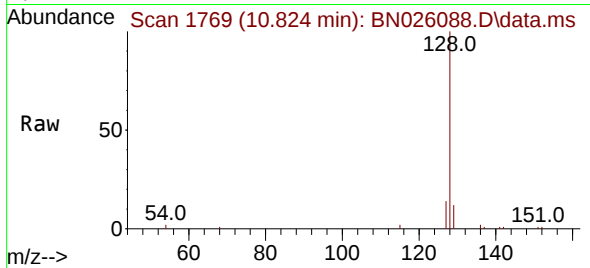
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023





#5  
Naphthalene  
Concen: 0.368 ng/ul  
RT: 10.824 min Scan# 1769  
Delta R.T. -0.012 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

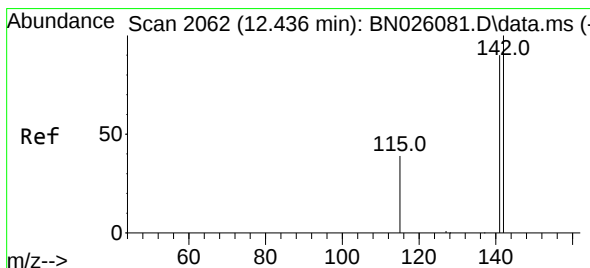
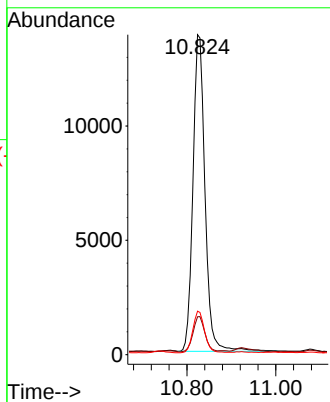
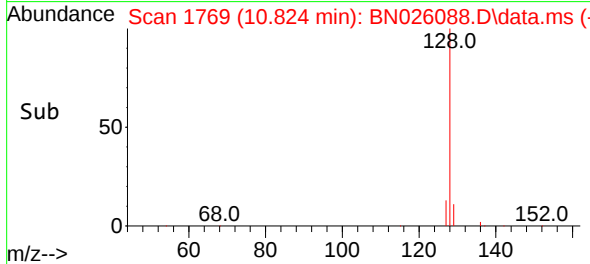
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



Tgt Ion:128 Resp: 2608  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.1 13.7  
127 13.6 10.7 16.1

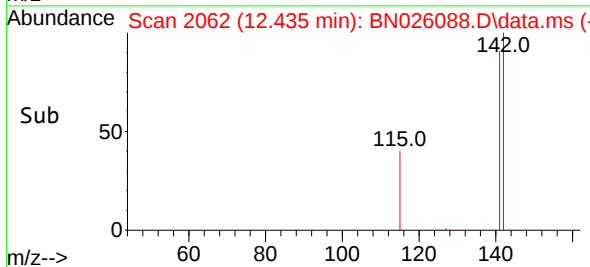
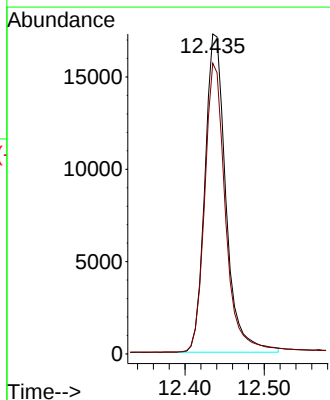
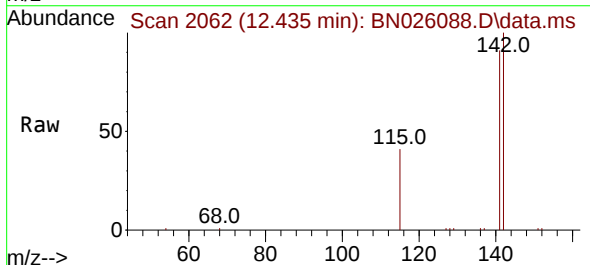
Manual Integrations  
APPROVED

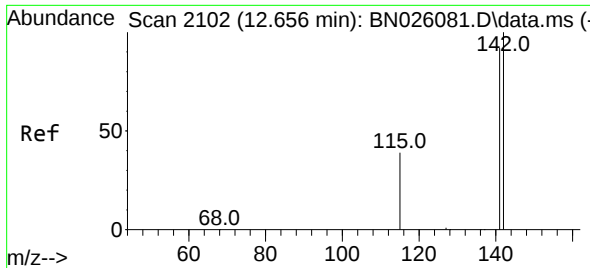
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#7  
2-Methylnaphthalene  
Concen: 0.703 ng/ul  
RT: 12.435 min Scan# 2062  
Delta R.T. -0.012 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

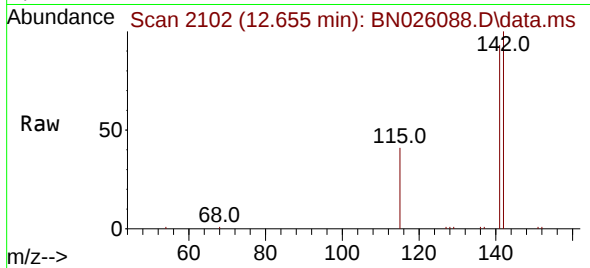
Tgt Ion:142 Resp: 31706  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.540 ng/ul  
RT: 12.655 min Scan# 2102  
Delta R.T. -0.007 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

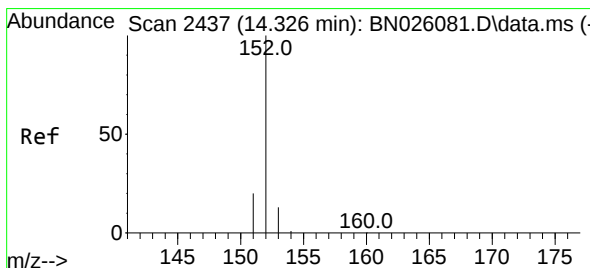
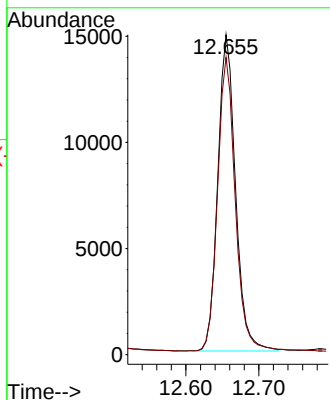
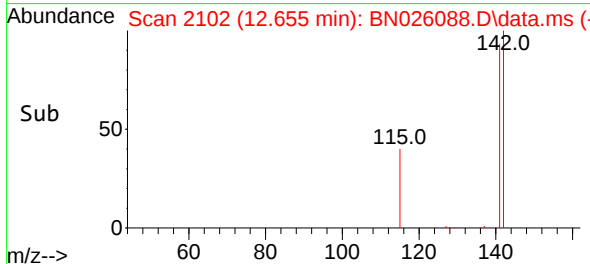
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



Tgt Ion:142 Resp: 25249  
Ion Ratio Lower Upper  
142 100  
141 92.9 74.2 111.4

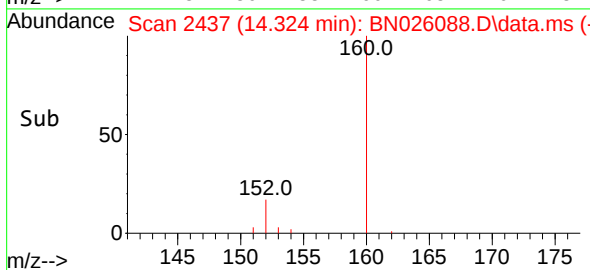
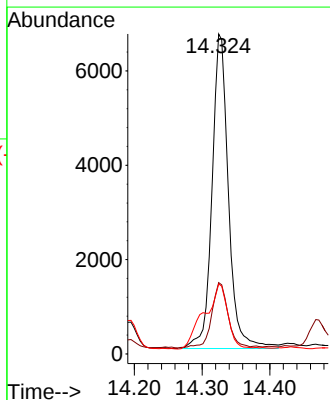
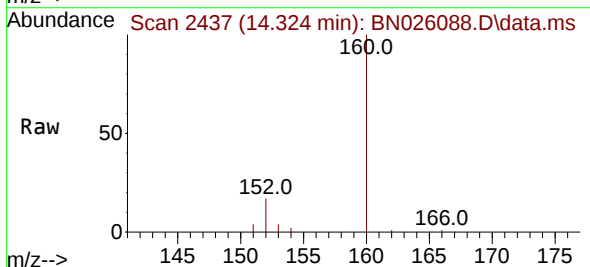
Manual Integrations  
APPROVED

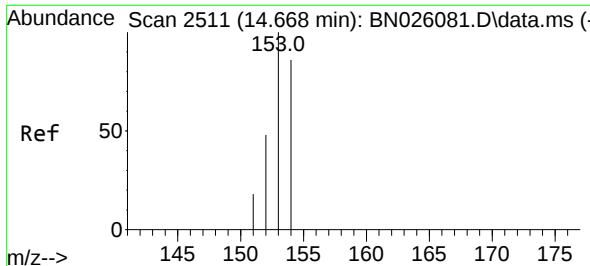
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#10  
Acenaphthylene  
Concen: 0.155 ng/ul  
RT: 14.324 min Scan# 2437  
Delta R.T. -0.005 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

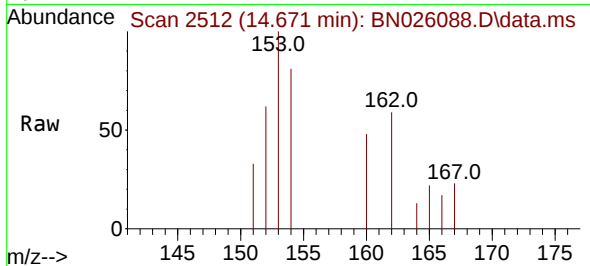
Tgt Ion:152 Resp: 11285  
Ion Ratio Lower Upper  
152 100  
151 22.3 16.2 24.4  
153 21.8 10.9 16.3#





#11  
Acenaphthene  
Concen: 0.039 ng/u1  
RT: 14.671 min Scan# 2512  
Delta R.T. -0.000 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

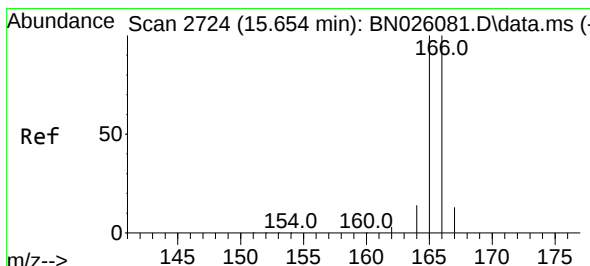
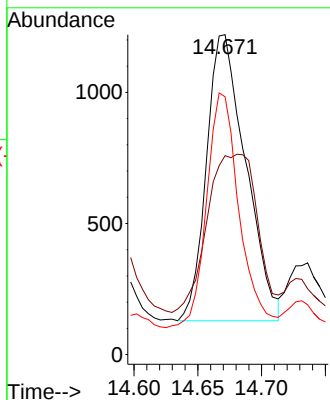
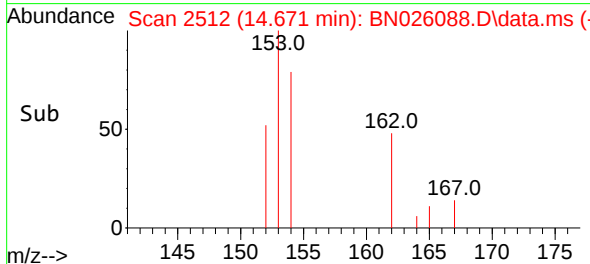
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



Tgt Ion:153 Resp: 2330  
Ion Ratio Lower Upper  
153 100  
152 62.2 39.4 59.0#  
154 80.6 68.9 103.3#

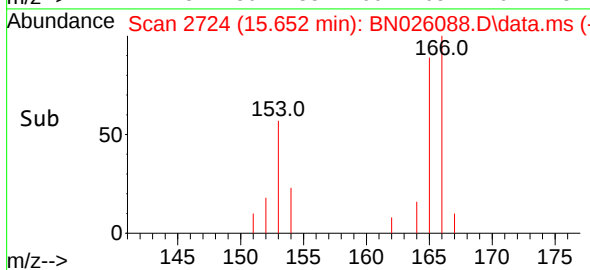
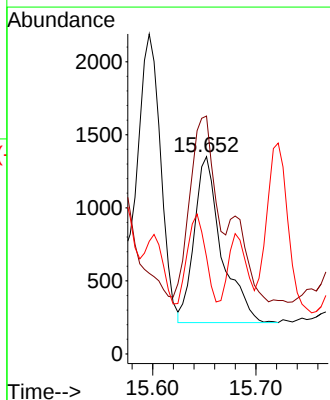
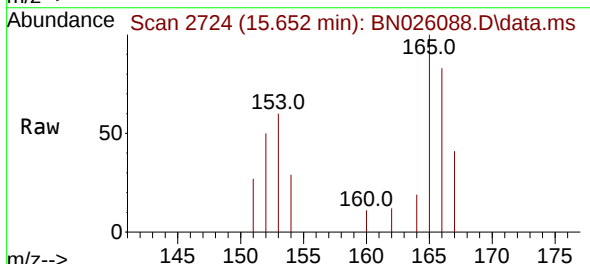
Manual Integrations  
APPROVED

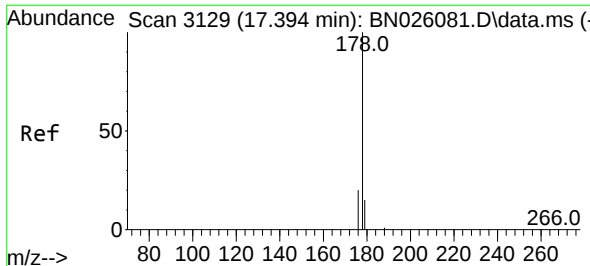
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#12  
Fluorene  
Concen: 0.031 ng/u1  
RT: 15.652 min Scan# 2724  
Delta R.T. -0.010 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

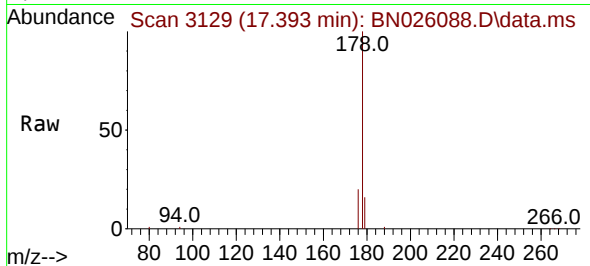
Tgt Ion:166 Resp: 2094  
Ion Ratio Lower Upper  
166 100  
165 120.6 79.9 119.9#  
167 49.1 10.8 16.2#





#15  
Phenanthrene  
Concen: 0.888 ng/u1  
RT: 17.393 min Scan# 3129  
Delta R.T. -0.009 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

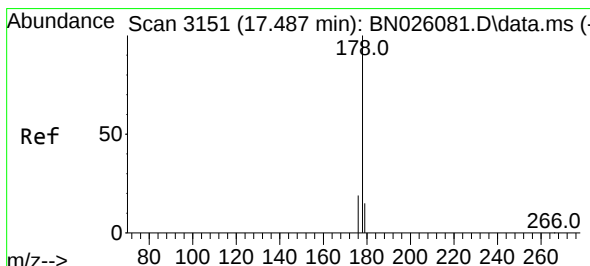
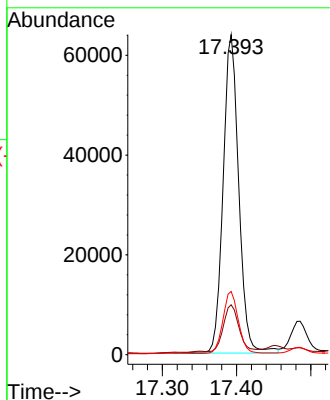
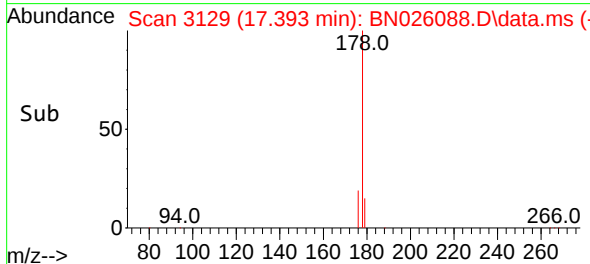
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



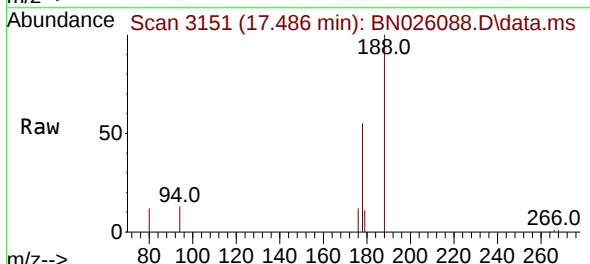
Tgt Ion:178 Resp: 93340  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 19.0  
176 19.8 15.8 23.6

Manual Integrations  
APPROVED

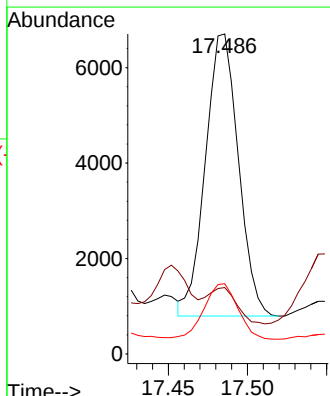
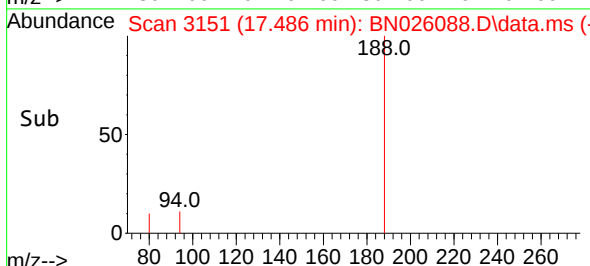
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023

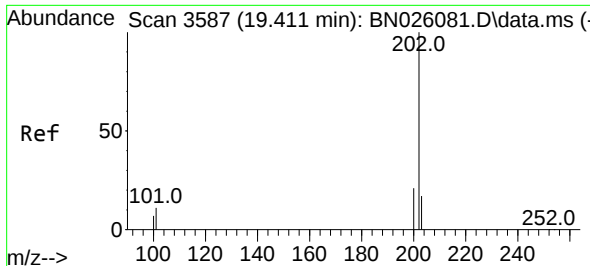


#16  
Anthracene  
Concen: 0.092 ng/u1  
RT: 17.486 min Scan# 3151  
Delta R.T. -0.009 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50



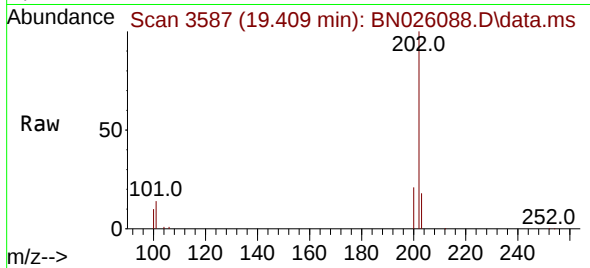
Tgt Ion:178 Resp: 8573  
Ion Ratio Lower Upper  
178 100  
179 20.8 12.6 18.8#  
176 21.9 15.1 22.7





#19  
Fluoranthene  
Concen: 1.369 ng/ul  
RT: 19.409 min Scan# 3587  
Delta R.T. -0.006 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

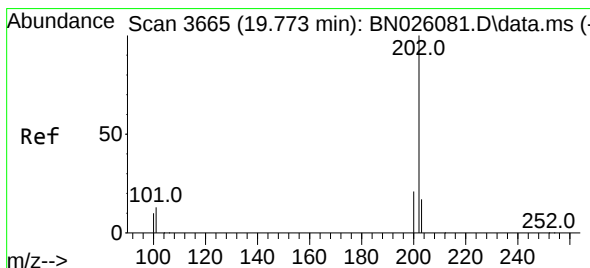
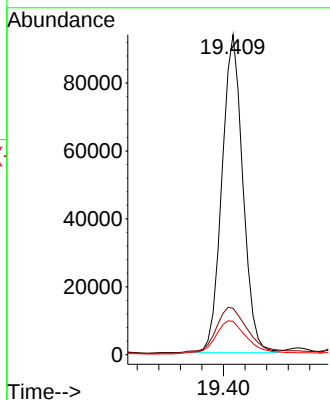
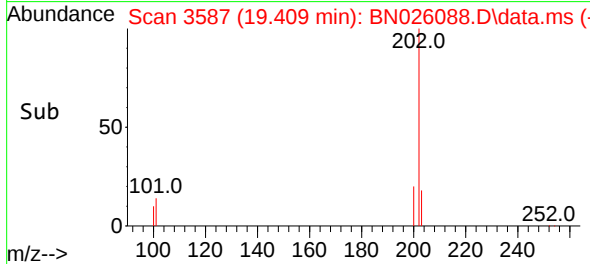
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



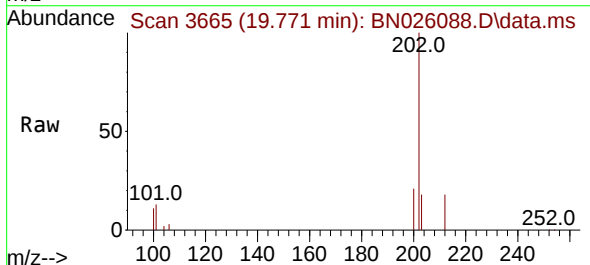
Tgt Ion:202 Resp: 126283  
Ion Ratio Lower Upper  
202 100  
101 14.5 9.5 14.3  
100 10.4 7.3 10.9

Manual Integrations  
APPROVED

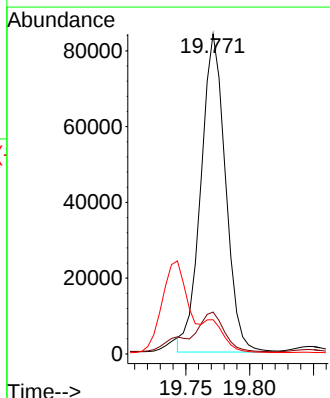
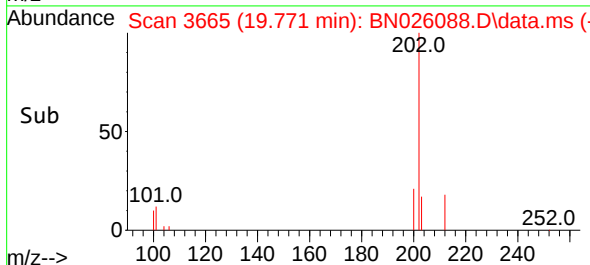
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023

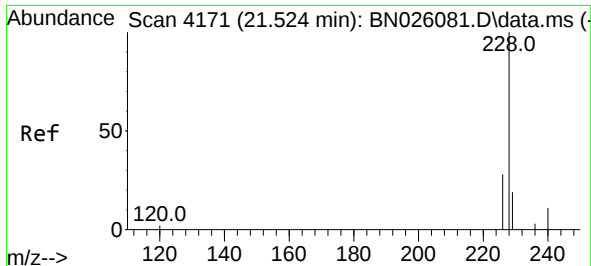


#20  
Pyrene  
Concen: 1.174 ng/ul m  
RT: 19.771 min Scan# 3665  
Delta R.T. -0.006 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50



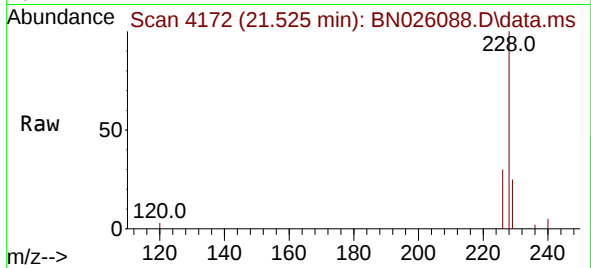
Tgt Ion:202 Resp: 112613  
Ion Ratio Lower Upper  
202 100  
101 13.1 11.4 17.0  
100 10.7 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 0.835 ng/ul m  
RT: 21.525 min Scan# 4171  
Delta R.T. -0.004 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

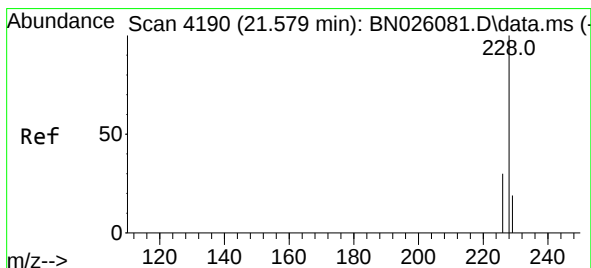
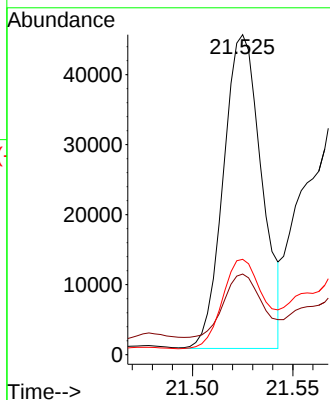
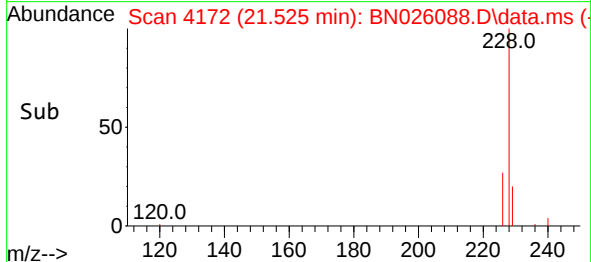
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



Tgt Ion:228 Resp: 5948  
Ion Ratio Lower Upper  
228 100  
229 25.2 15.8 23.6  
226 29.8 22.5 33.7

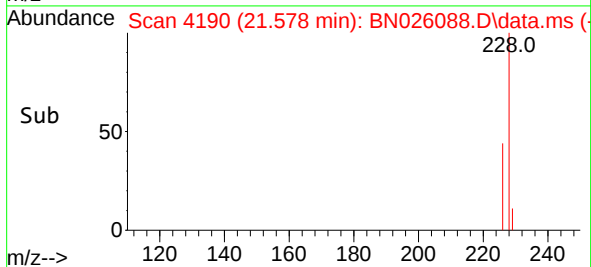
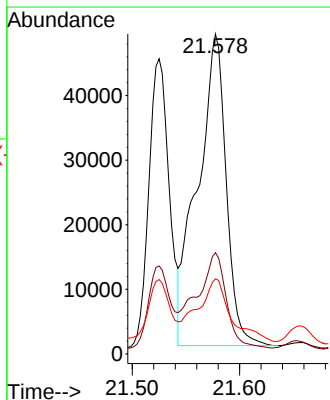
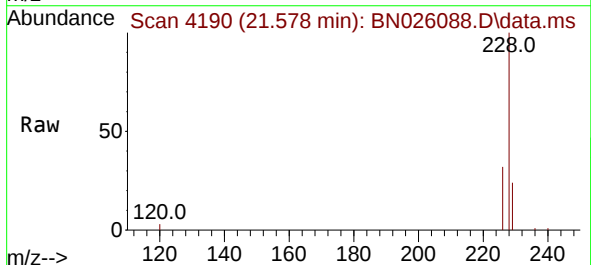
Manual Integrations  
APPROVED

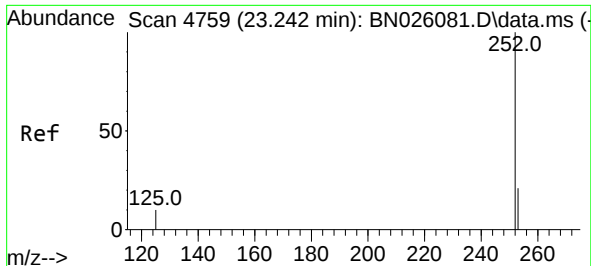
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#22  
Chrysene  
Concen: 1.205 ng/ul  
RT: 21.578 min Scan# 4190  
Delta R.T. -0.001 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

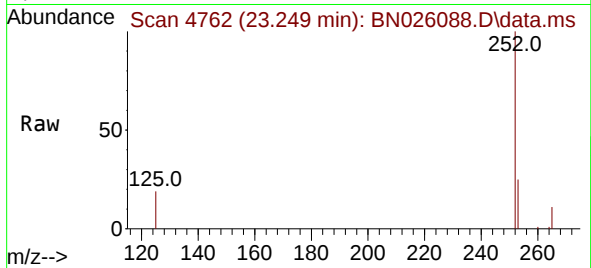
Tgt Ion:228 Resp: 89360  
Ion Ratio Lower Upper  
228 100  
226 31.6 24.8 37.2  
229 23.5 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 1.582 ng/ul m  
RT: 23.249 min Scan# 4762  
Delta R.T. -0.004 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

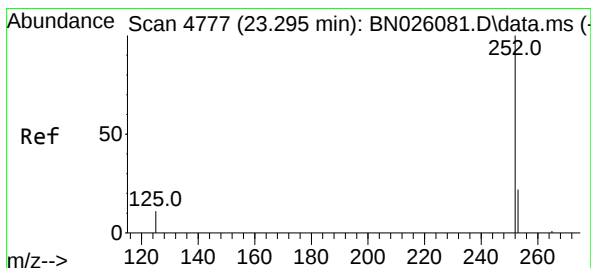
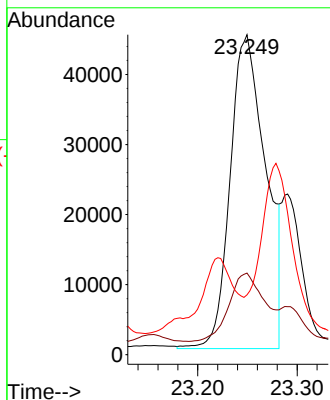
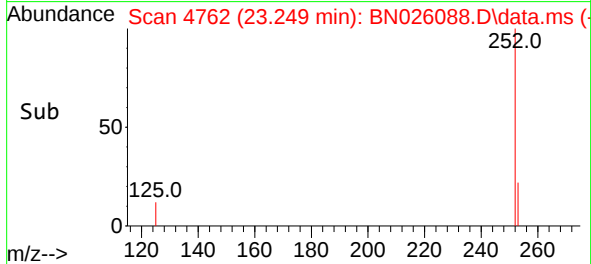
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



Tgt Ion:252 Resp: 11120  
Ion Ratio Lower Upper  
252 100  
253 25.5 0.0 55.6  
125 18.7 0.0 35.8

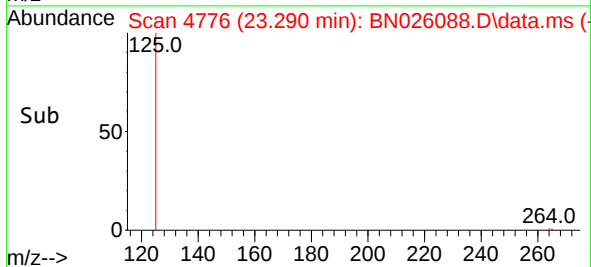
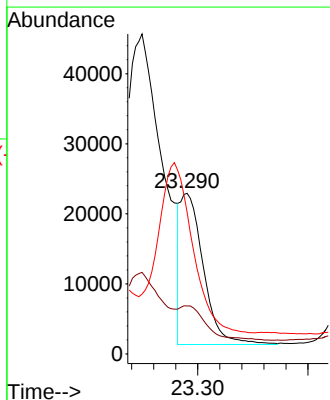
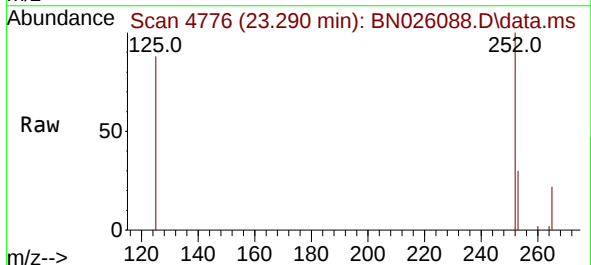
Manual Integrations  
APPROVED

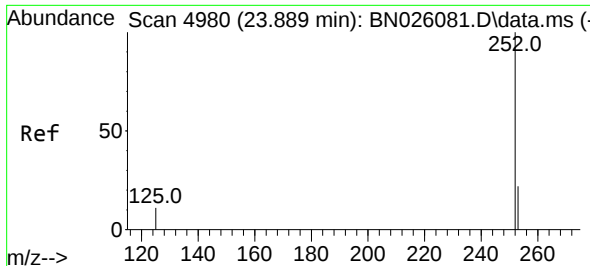
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#25  
Benzo(k)fluoranthene  
Concen: 0.445 ng/ul m  
RT: 23.290 min Scan# 4776  
Delta R.T. -0.013 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

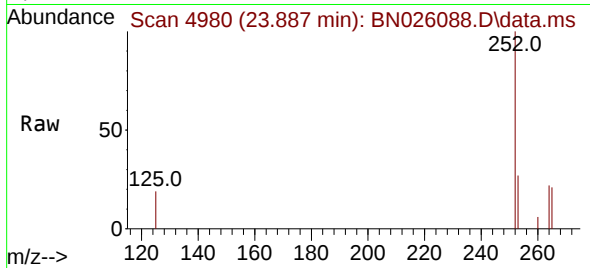
Tgt Ion:252 Resp: 31437  
Ion Ratio Lower Upper  
252 100  
253 29.9 23.2 34.8  
125 88.0 15.0 22.4#





#26  
Benzo(a)pyrene  
Concen: 0.967 ng/ul  
RT: 23.887 min Scan# 4980  
Delta R.T. -0.018 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

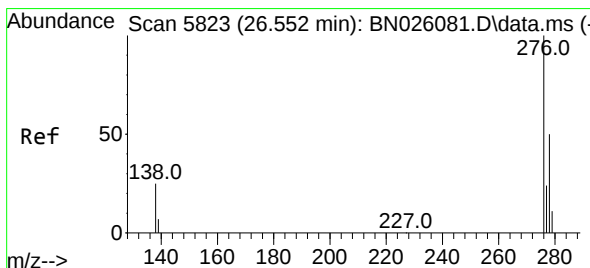
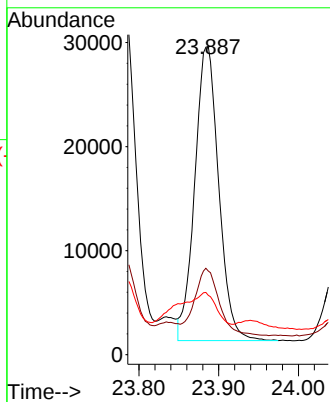
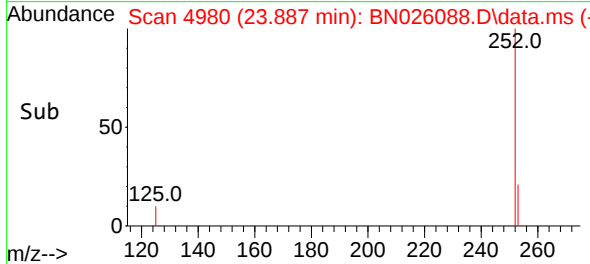
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



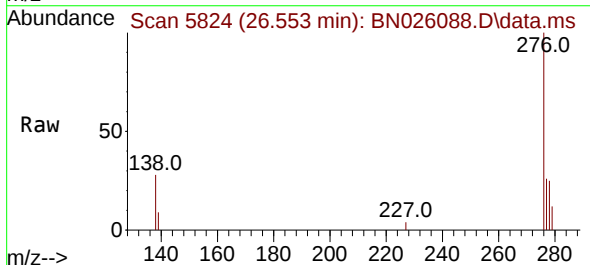
Tgt Ion:252 Resp: 5905  
Ion Ratio Lower Upper  
252 100  
253 27.2 26.0 39.0  
125 19.3 17.3 25.9

Manual Integrations  
APPROVED

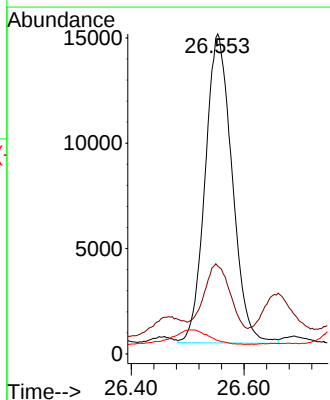
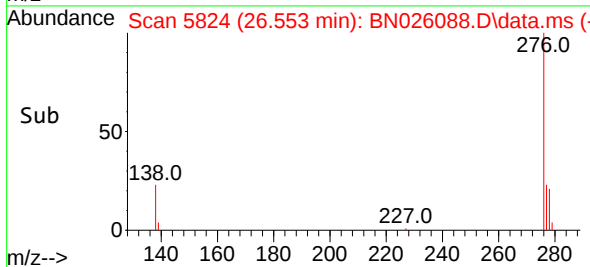
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023

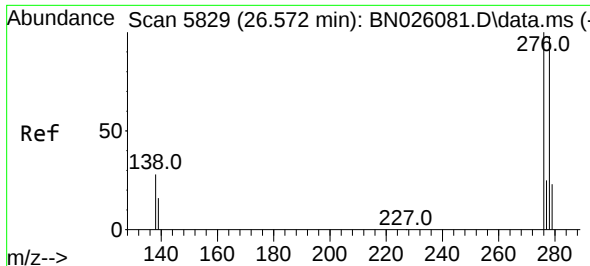


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.728 ng/ul  
RT: 26.553 min Scan# 5824  
Delta R.T. -0.041 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50



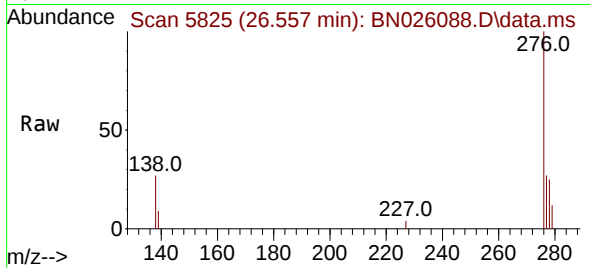
Tgt Ion:276 Resp: 48526  
Ion Ratio Lower Upper  
276 100  
138 22.0 24.5 36.7#  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.269 ng/ul  
RT: 26.557 min Scan# 5825  
Delta R.T. -0.058 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50

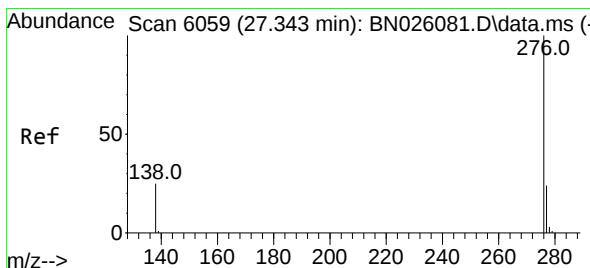
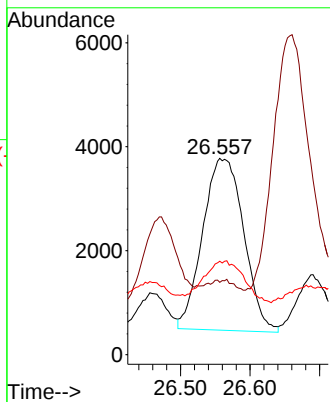
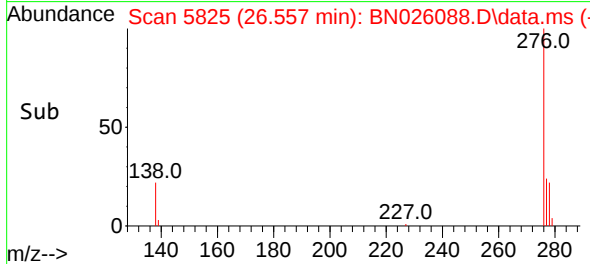
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT7



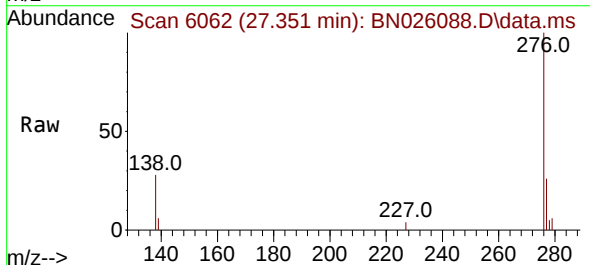
Tgt Ion:278 Resp: 13572  
Ion Ratio Lower Upper  
278 100  
139 36.8 19.0 28.4  
279 47.6 26.7 40.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.811 ng/ul  
RT: 27.351 min Scan# 6062  
Delta R.T. -0.034 min  
Lab File: BN026088.D  
Acq: 29 Jun 2023 10:50



Tgt Ion:276 Resp: 48121  
Ion Ratio Lower Upper  
276 100  
138 28.4 23.4 35.0  
277 25.5 20.0 30.0

