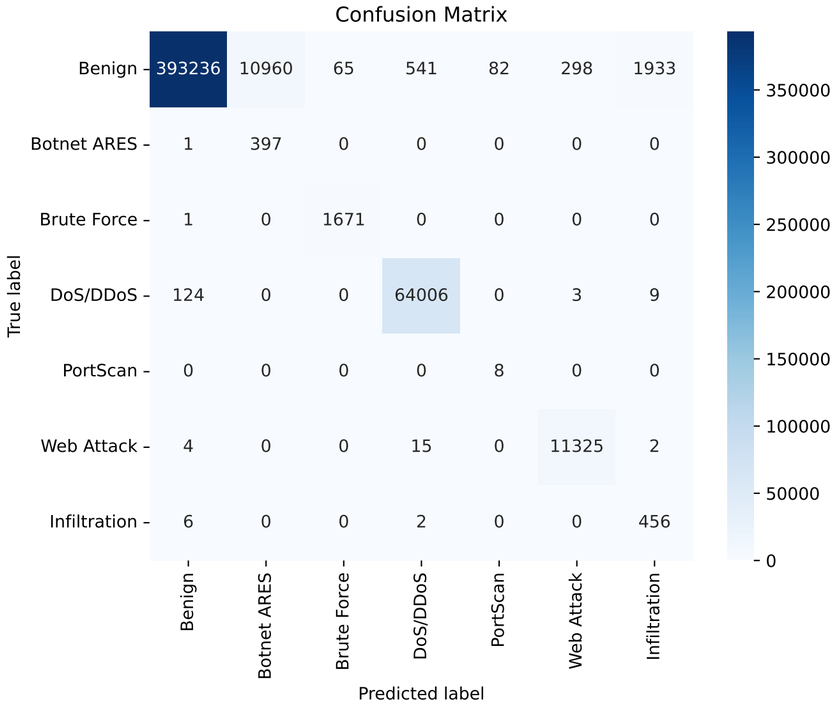
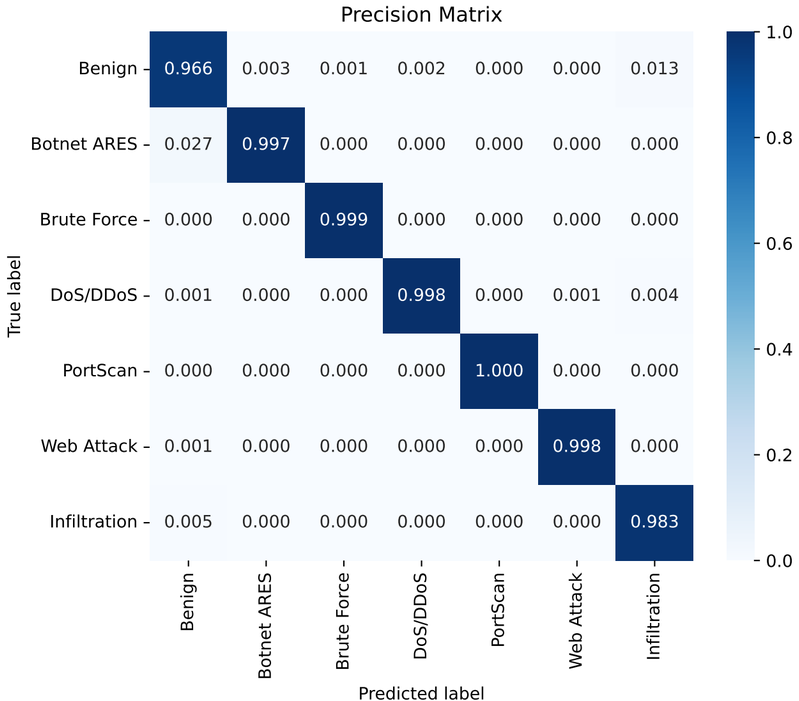
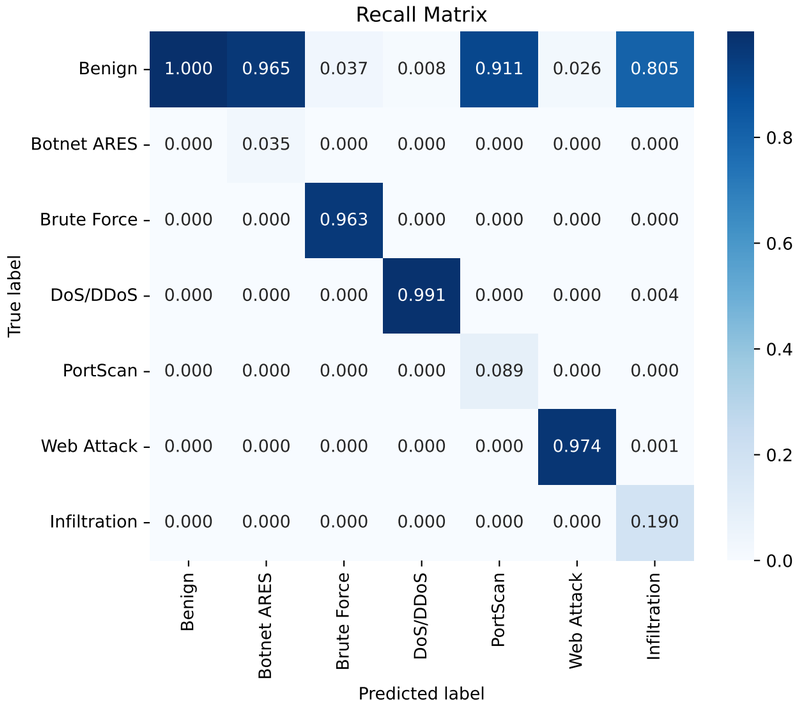

Confusion Matrix
True label
Predicted label
Benign
Botnet ARES
Brute Force
DoS/DDoS
PortScan
Web Attack
Infiltration
393236 10960 65 541 82 298 1933
1 397 0 0 0 0 0
1 0 1671 0 0 0 0
124 0 0 64006 0 3 9
0 0 0 0 8 0 0
4 0 0 15 0 11325 2
6 0 0 2 0 0 456
350000
300000
250000
200000
150000
100000
50000
0


Precision Matrix
True label
Predicted label
Benign
Botnet ARES
Brute Force
DoS/DDoS
PortScan
Web Attack
Infiltration
0.966 0.003 0.001 0.002 0.000 0.000 0.013
0.027 0.997 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.999 0.000 0.000 0.000 0.000
0.001 0.000 0.000 0.998 0.000 0.001 0.004
0.000 0.000 0.000 0.000 1.000 0.000 0.000
0.001 0.000 0.000 0.000 0.000 0.998 0.000
0.005 0.000 0.000 0.000 0.000 0.000 0.983
1.0
0.8
0.6
0.4
0.2
0.0


Recall Matrix
True label
Predicted label
Benign
Botnet ARES
Brute Force
DoS/DDoS
PortScan
Web Attack
Infiltration
1.000 0.965 0.037 0.008 0.911 0.026 0.805
0.000 0.035 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.963 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.991 0.000 0.000 0.004
0.000 0.000 0.000 0.000 0.089 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.974 0.001
0.000 0.000 0.000 0.000 0.000 0.000 0.190
0.8
0.6
0.4
0.2
0.0