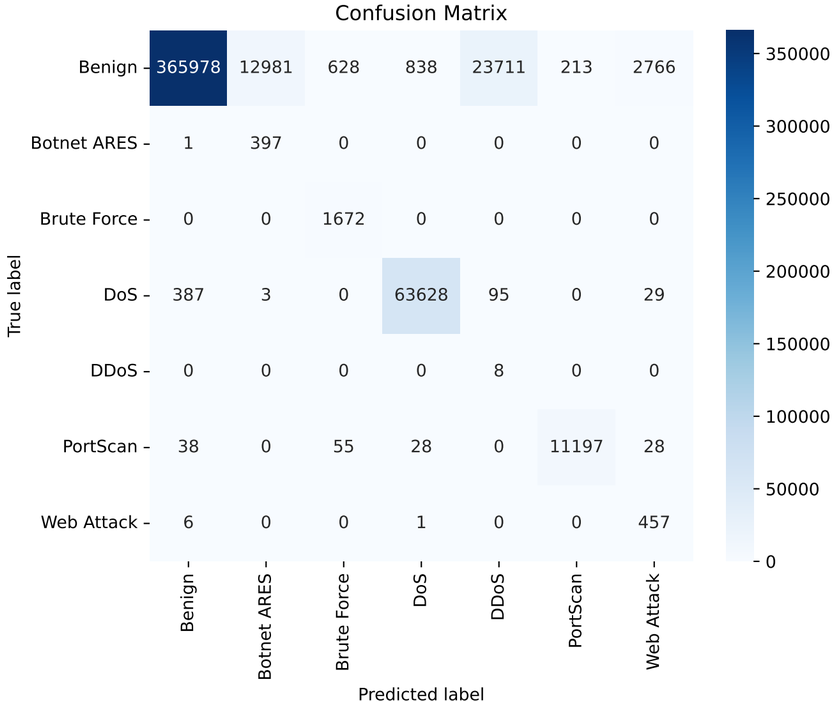
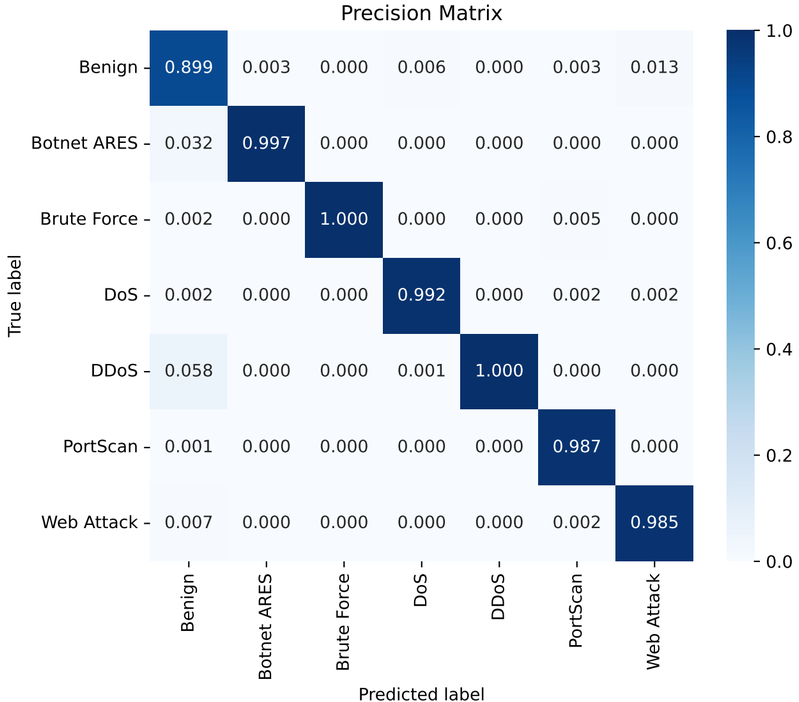
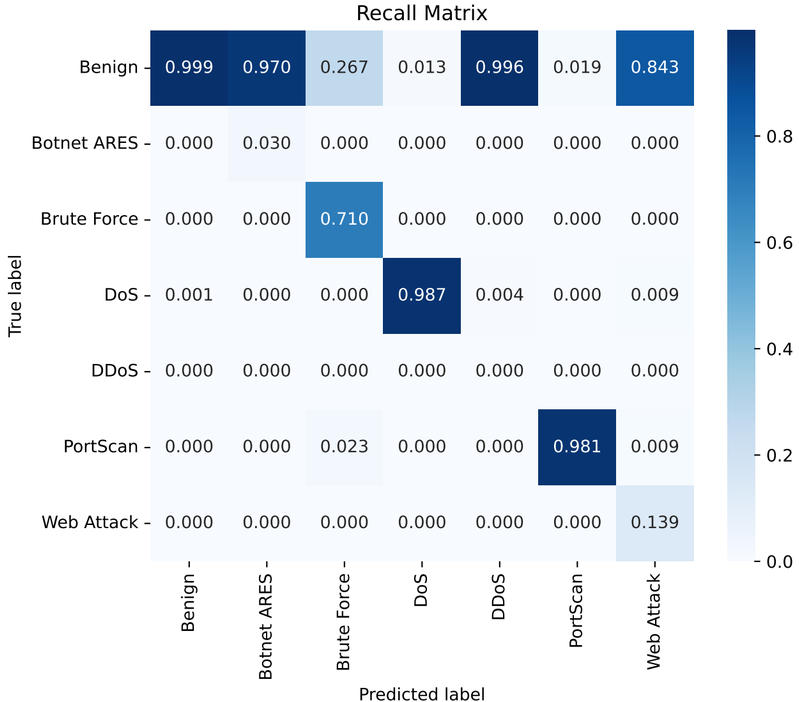

Confusion Matrix
True label
Predicted label
Benign 365978 12981 628 838 23711 213 2766
Botnet ARES 1 397 0 0 0 0 0
Brute Force 0 0 1672 0 0 0 0
DoS 387 3 0 63628 95 0 29
DDoS 0 0 0 0 8 0 0
PortScan 38 0 55 28 0 11197 28
Web Attack 6 0 0 1 0 0 457
Benign Botnet ARES Brute Force DoS DDoS PortScan Web Attack
350000 300000 250000 200000 150000 100000 50000 0


Precision Matrix
True label
Predicted label
Benign 0.899 0.003 0.000 0.006 0.000 0.003 0.013
Botnet ARES 0.032 0.997 0.000 0.000 0.000 0.000 0.000
Brute Force 0.002 0.000 1.000 0.000 0.000 0.005 0.000
DoS 0.002 0.000 0.000 0.992 0.000 0.002 0.002
DDoS 0.058 0.000 0.000 0.001 1.000 0.000 0.000
PortScan 0.001 0.000 0.000 0.000 0.000 0.987 0.000
Web Attack 0.007 0.000 0.000 0.000 0.000 0.002 0.985
Benign Botnet ARES Brute Force DoS DDoS PortScan Web Attack
1.0 0.8 0.6 0.4 0.2 0.0


Recall Matrix
True label
Predicted label
Benign 0.999 0.970 0.267 0.013 0.996 0.019 0.843
Botnet ARES 0.000 0.030 0.000 0.000 0.000 0.000 0.000
Brute Force 0.000 0.000 0.710 0.000 0.000 0.000 0.000
DoS 0.001 0.000 0.000 0.987 0.004 0.000 0.009
DDoS 0.000 0.000 0.000 0.000 0.000 0.000 0.000
PortScan 0.000 0.000 0.023 0.000 0.000 0.981 0.009
Web Attack 0.000 0.000 0.000 0.000 0.000 0.000 0.139
Benign Botnet ARES Brute Force DoS DDoS PortScan Web Attack
0.8 0.6 0.4 0.2 0.0