

EfficientNetB4

		5 Epochs	10 Epochs	15 Epochs
Training Accuracy		99.98%	100%	100.0%
Testing Accuracy		99.26%	99.75%	99.26%
Macro Avg.	Precision	99.83%	99.85%	99.53%
	Recall	99.22%	99.36%	98.26%
	F1 Score	99.35%	99.60%	99.88%
BFlops		47424472		
Inference Time		0.083 Second	0.091 Second	0.106 Second
Size of Model		71.3 MB		

Classification Report & Confusion Matrix

5 Epochs

For Training(EfficientNetB4)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1984
2	1.00	1.00	1.00	431
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[853 0 0 0]				
[0 1983 1 0]				
[0 0 431 0]				
[0 0 0 838]]				
For Testing(EfficientNetB4)				
	precision	recall	f1-score	support
0	0.98	1.00	0.99	143
1	1.00	0.99	0.99	171
2	1.00	1.00	1.00	38
3	1.00	0.98	0.99	51
accuracy			0.99	403
macro avg	0.99	0.99	0.99	403
weighted avg	0.99	0.99	0.99	403
[[143 0 0 0]				
[2 169 0 0]				
[0 0 38 0]				
[1 0 0 50]]				

10 Epochs

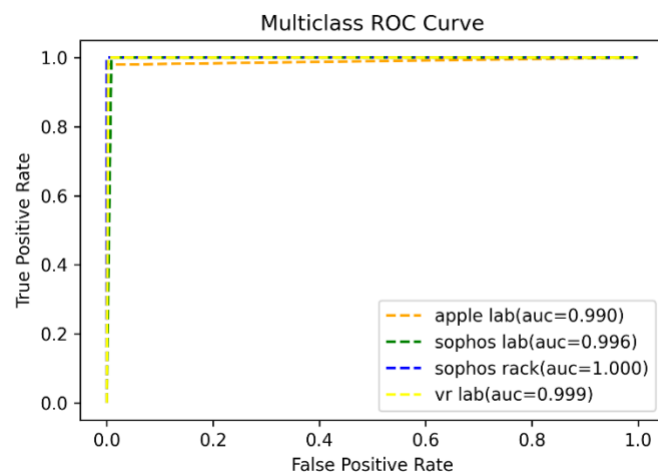
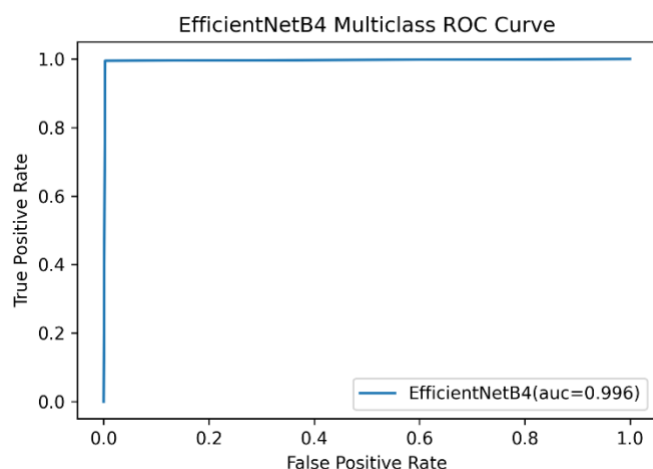
For Training(EfficientNetB4)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1983
2	1.00	1.00	1.00	432
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[853 0 0 0]				
[0 1983 0 0]				
[0 0 432 0]				
[0 0 0 838]]				
For Testing(EfficientNetB4)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.99	1.00	1.00	168
2	1.00	0.97	0.99	39
3	1.00	1.00	1.00	50
accuracy			1.00	403
macro avg	1.00	0.99	1.00	403
weighted avg	1.00	1.00	1.00	403
[[146 0 0 0]				
[0 168 0 0]				
[0 1 38 0]				
[0 0 0 50]]				

15 Epochs

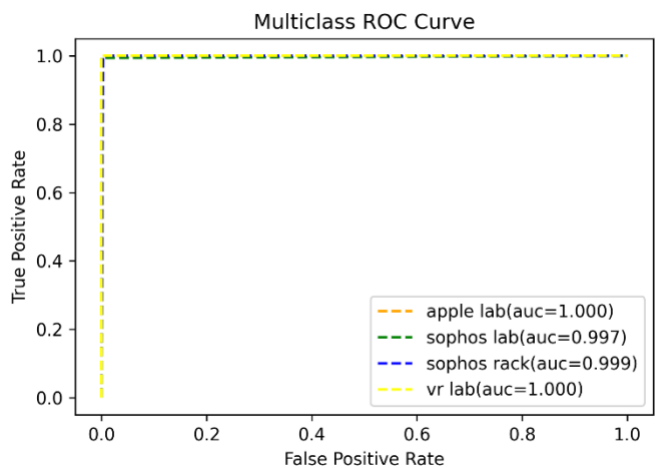
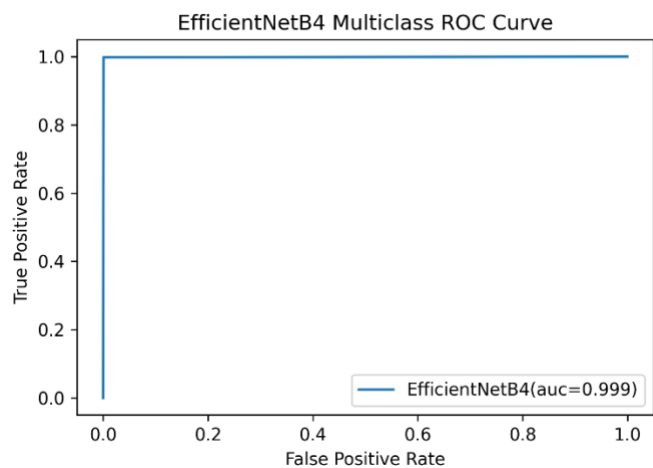
For Training(EfficientNetB4)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1983
2	1.00	1.00	1.00	432
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[853 0 0 0]				
[0 1983 0 0]				
[0 0 432 0]				
[0 0 0 838]]				
For Testing(EfficientNetB4)				
	precision	recall	f1-score	support
0	0.99	1.00	1.00	145
1	0.99	1.00	0.99	167
2	1.00	0.95	0.97	40
3	1.00	0.98	0.99	51
accuracy			0.99	403
macro avg	1.00	0.98	0.99	403
weighted avg	0.99	0.99	0.99	403
[[145 0 0 0]				
[0 167 0 0]				
[0 2 38 0]				
[1 0 0 50]]				

ROC Curve

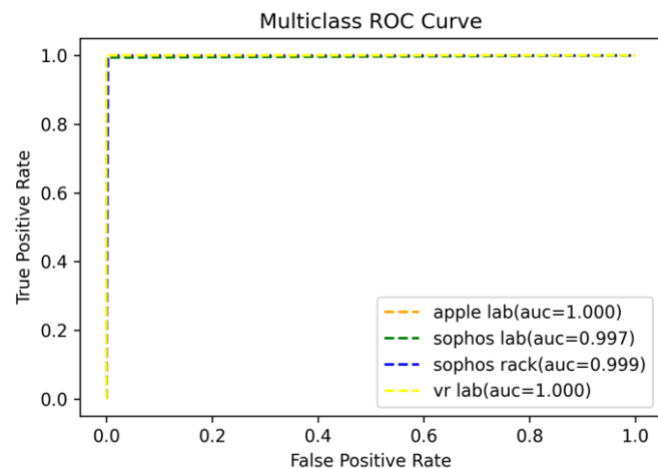
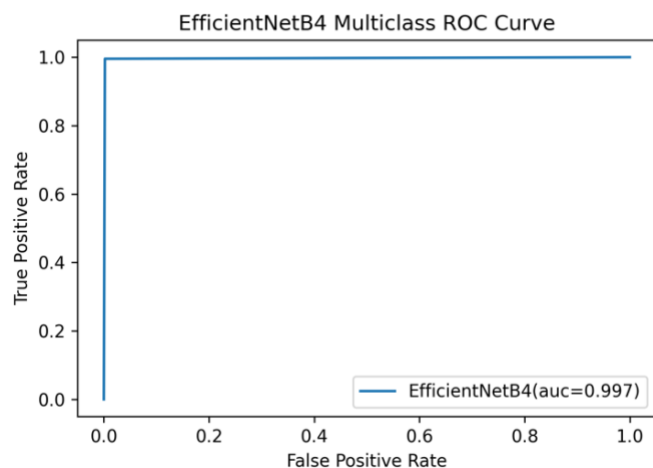
5 Epochs



10 Epochs

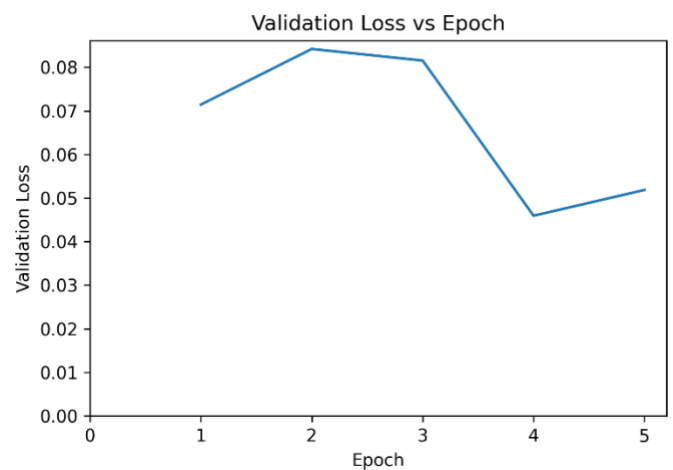
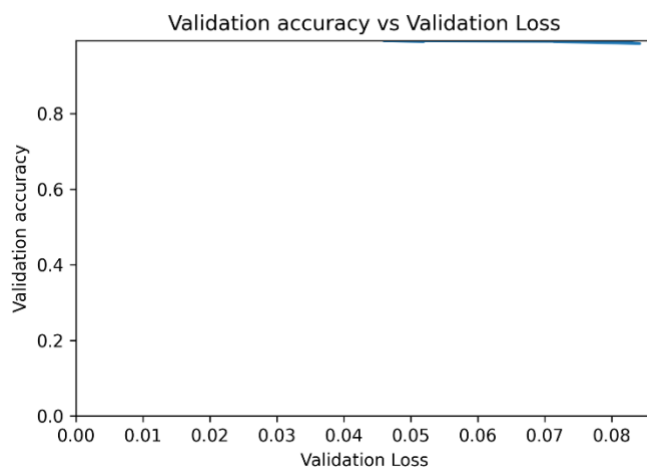
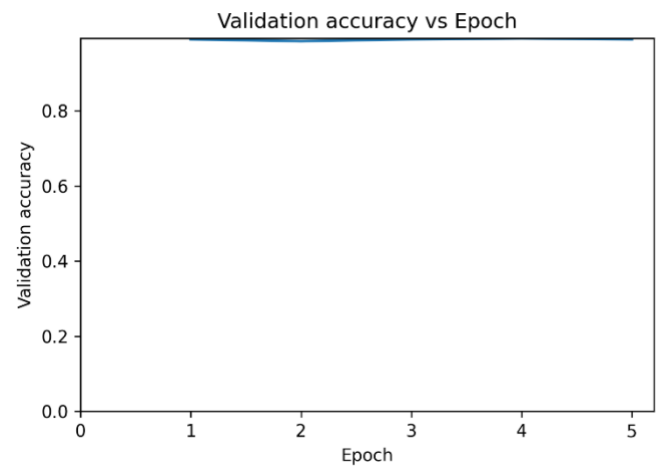
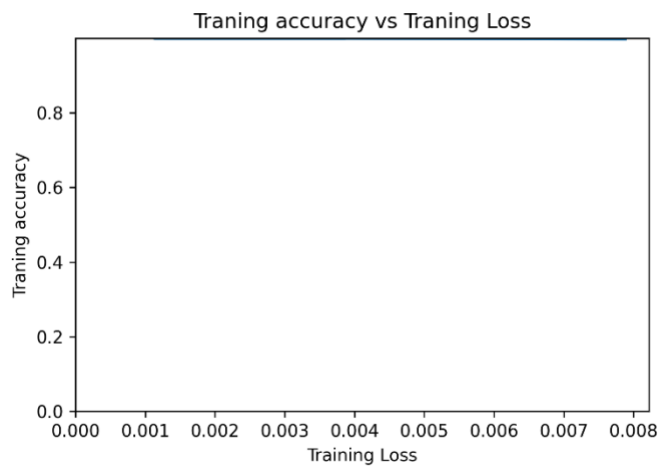
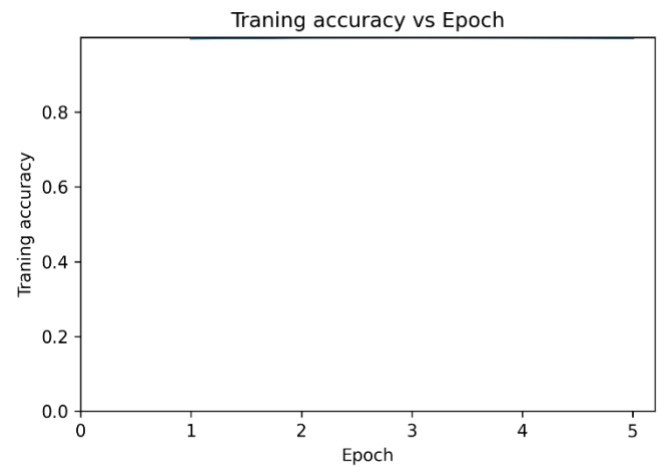
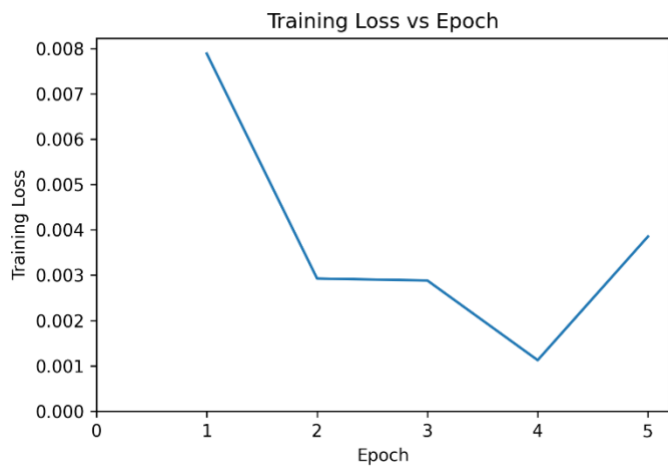


15 Epochs

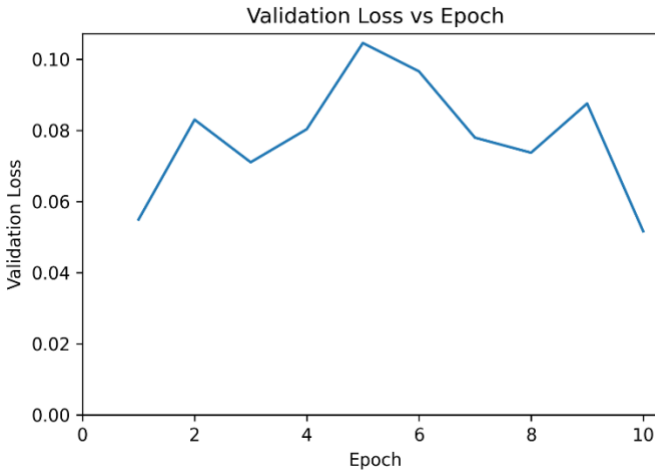
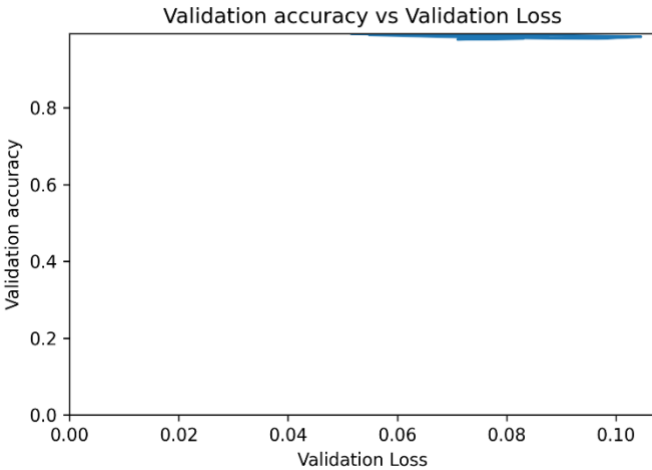
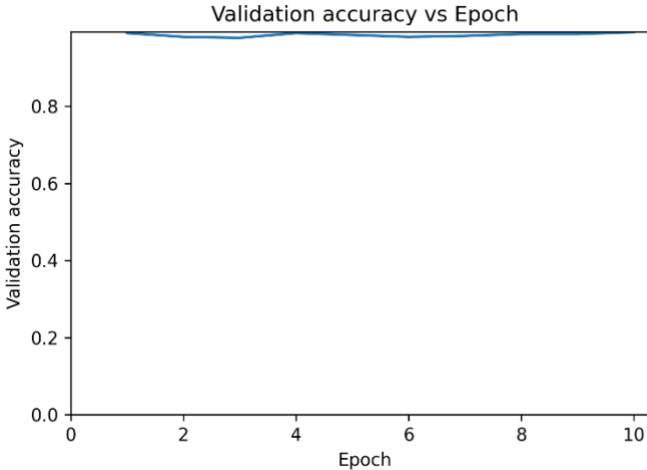
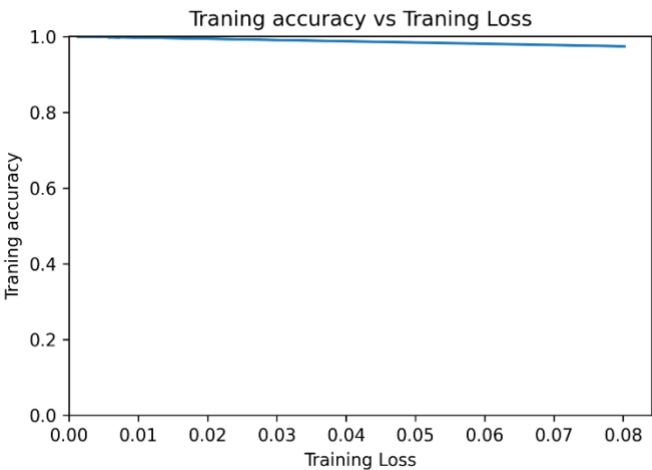
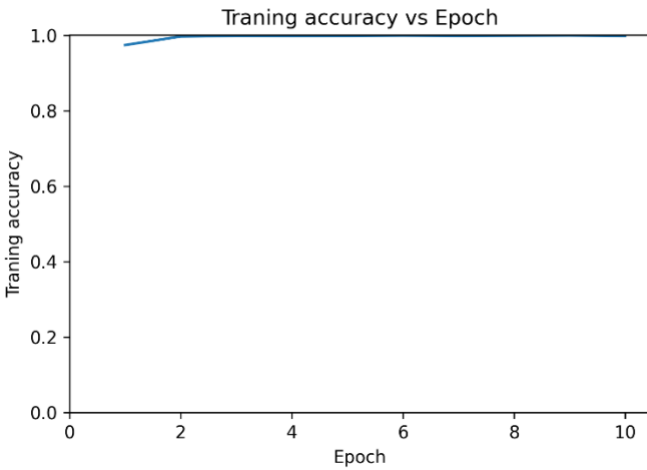
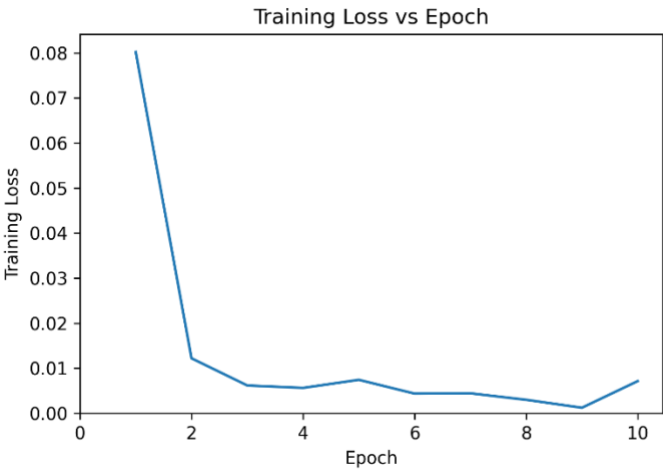


Graphs

5 Epochs



10 Epochs



15 Epochs

