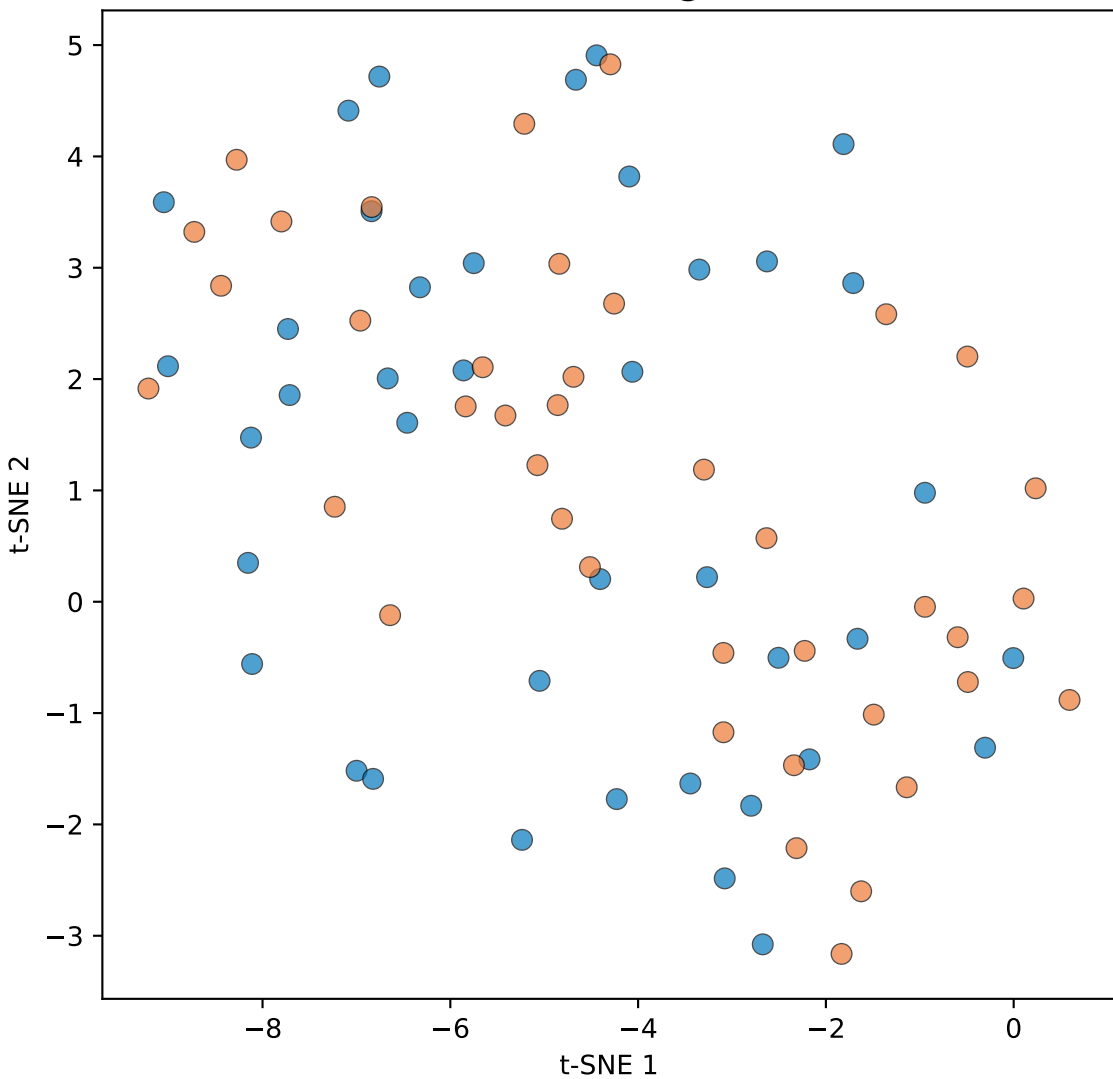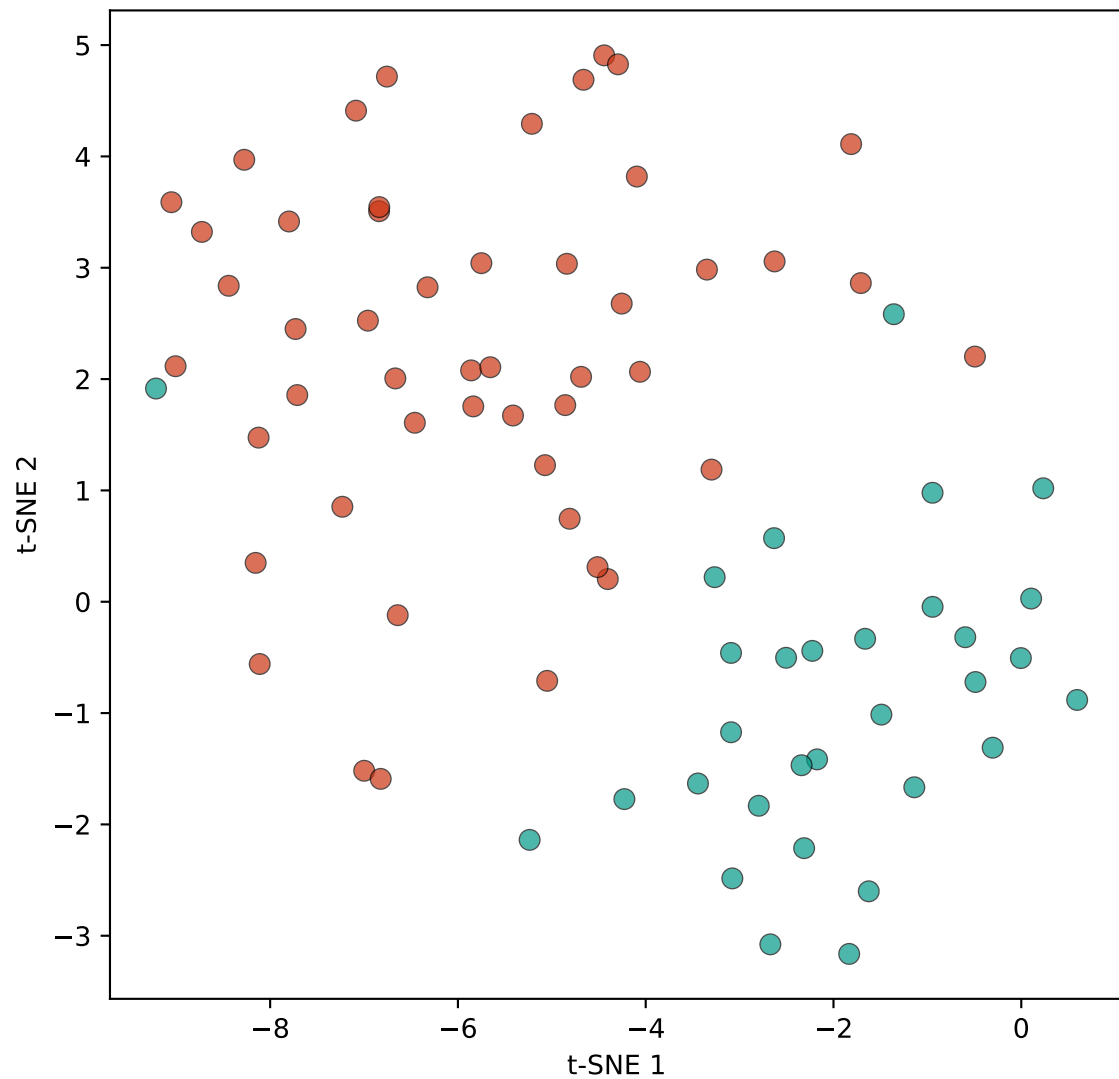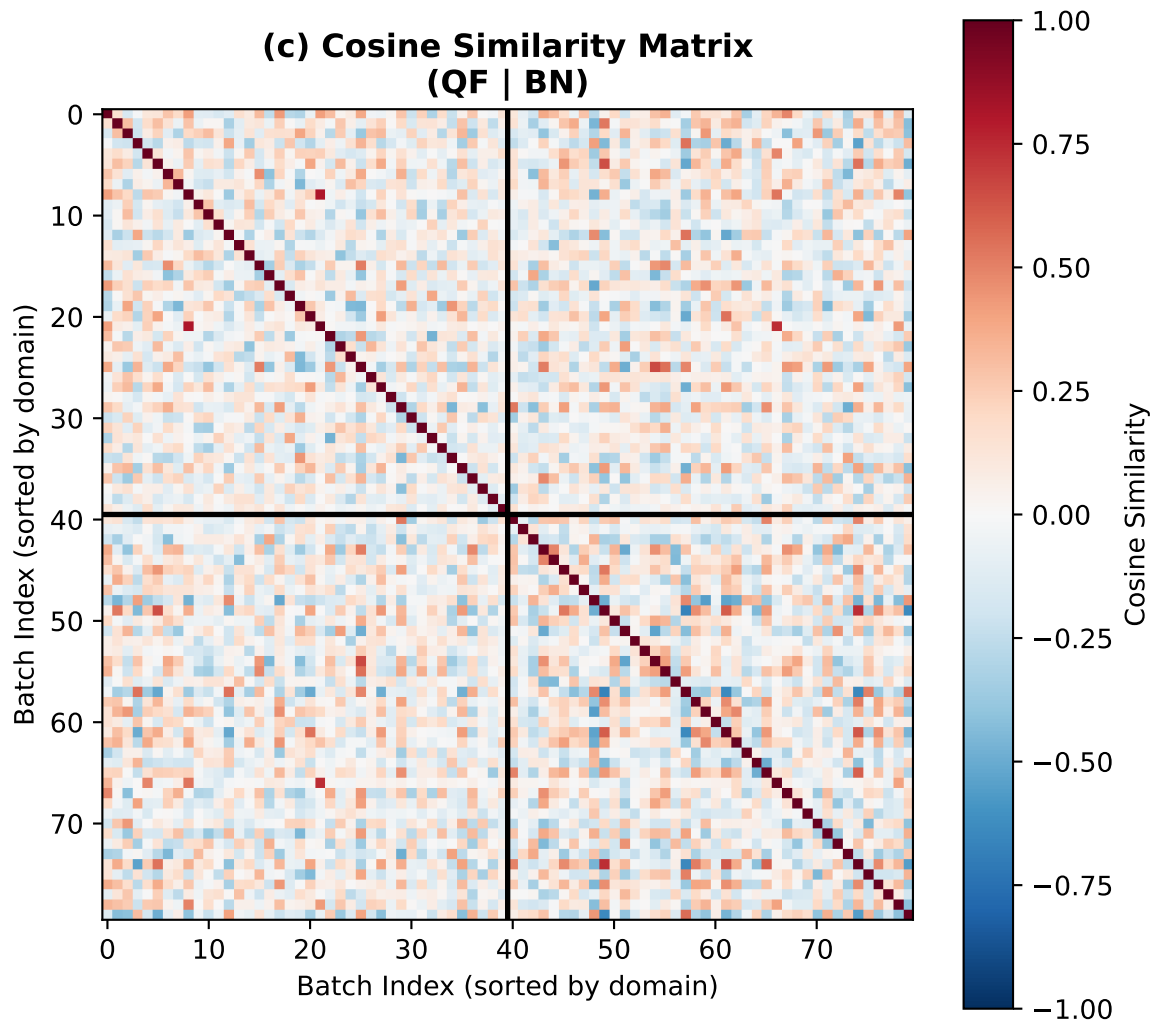**(a) Gradient Space (True Labels)**
Blue=QF, Orange=BN

(b) Discovered Clusters (Spectral)
Cluster 0=QF, Cluster 1=BN

(c) Cosine Similarity Matrix
(QF | BN)

```
GRADIENT-BASED DOMAIN DISCOVERY
_____

Method:
  • Domain-specific reward signals
  • Cosine similarity clustering
  • Best: Spectral

Data:
  • 40 QF batches
  • 40 BN batches
  • 60 steps per batch

Results:
  • Silhouette: 0.119
  • Adjusted Rand Index: 0.004
  • Average Purity: 56.6%

Confusion Matrix:
                True QF    True BN
  Cluster 0       27         22
  Cluster 1       13         18

CONCLUSION:
  ✗ Weak separation
```