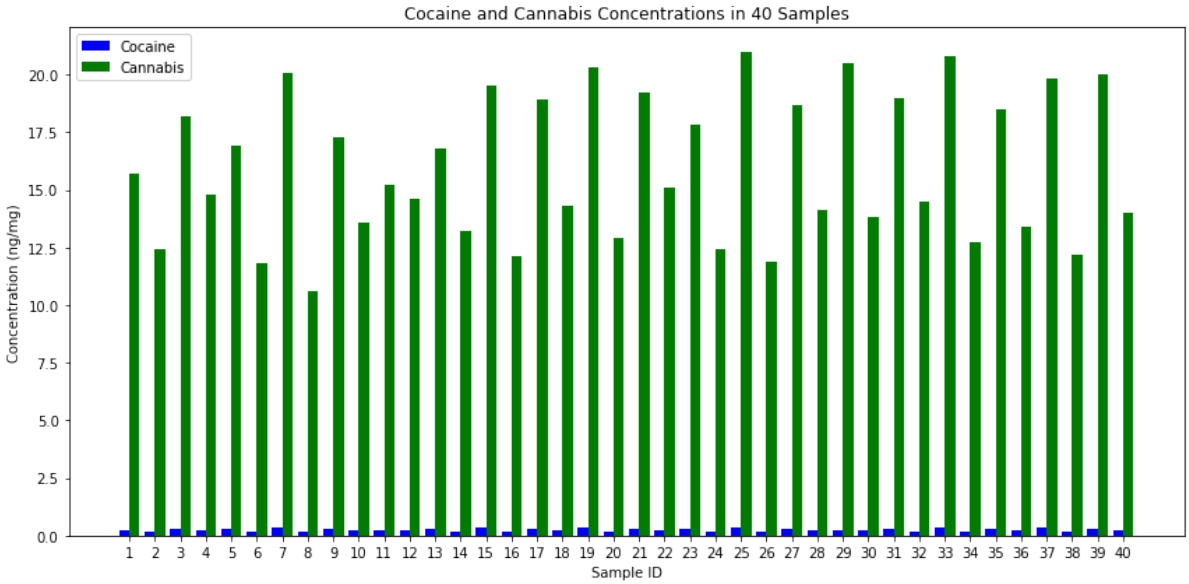
In [1]:
```
import matplotlib.pyplot as plt
import numpy as np

# Sample data
sample_ids = range(1, 41)
cocaine_concentration = [0.25, 0.18, 0.30, 0.22, 0.28, 0.20, 0.35, 0.15, 0.29, 0.21
                         0.26, 0.24, 0.27, 0.19, 0.33, 0.16, 0.31, 0.23, 0.34, 0.17
                         0.32, 0.25, 0.28, 0.20, 0.35, 0.15, 0.29, 0.21, 0.26, 0.24
                         0.27, 0.19, 0.33, 0.16, 0.31, 0.23, 0.34, 0.17, 0.32, 0.25
cannabis_concentration = [15.70, 12.45, 18.20, 14.80, 16.90, 11.80, 20.10, 10.60, 1
                          15.20, 14.60, 16.80, 13.20, 19.50, 12.10, 18.90, 14.30, 2
                          19.20, 15.10, 17.80, 12.40, 21.00, 11.90, 18.70, 14.10, 2
                          19.00, 14.50, 20.80, 12.70, 18.50, 13.40, 19.80, 12.20, 2

# Create figure and axes
plt.figure(figsize=(12, 6))

# Plot cocaine concentrations
plt.bar(np.array(sample_ids) - 0.2, cocaine_concentration, color='b', width=0.4, la

# Plot cannabis concentrations
plt.bar(np.array(sample_ids) + 0.2, cannabis_concentration, color='g', width=0.4, l

plt.xlabel('Sample ID')
plt.ylabel('Concentration (ng/mg)')
plt.title('Cocaine and Cannabis Concentrations in 40 Samples')
plt.xticks(sample_ids)
plt.legend()
plt.tight_layout()
plt.show()
```



In [ ]: