

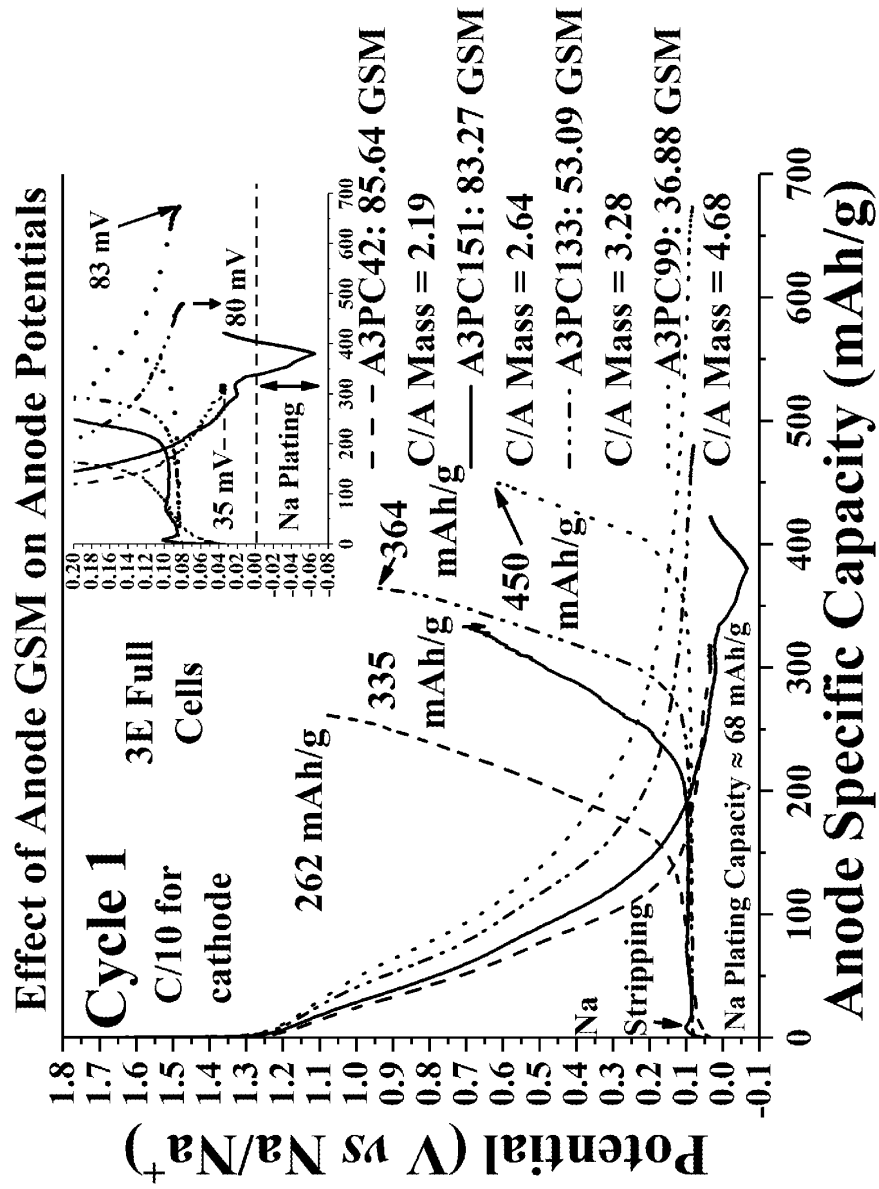


FIGURE 1

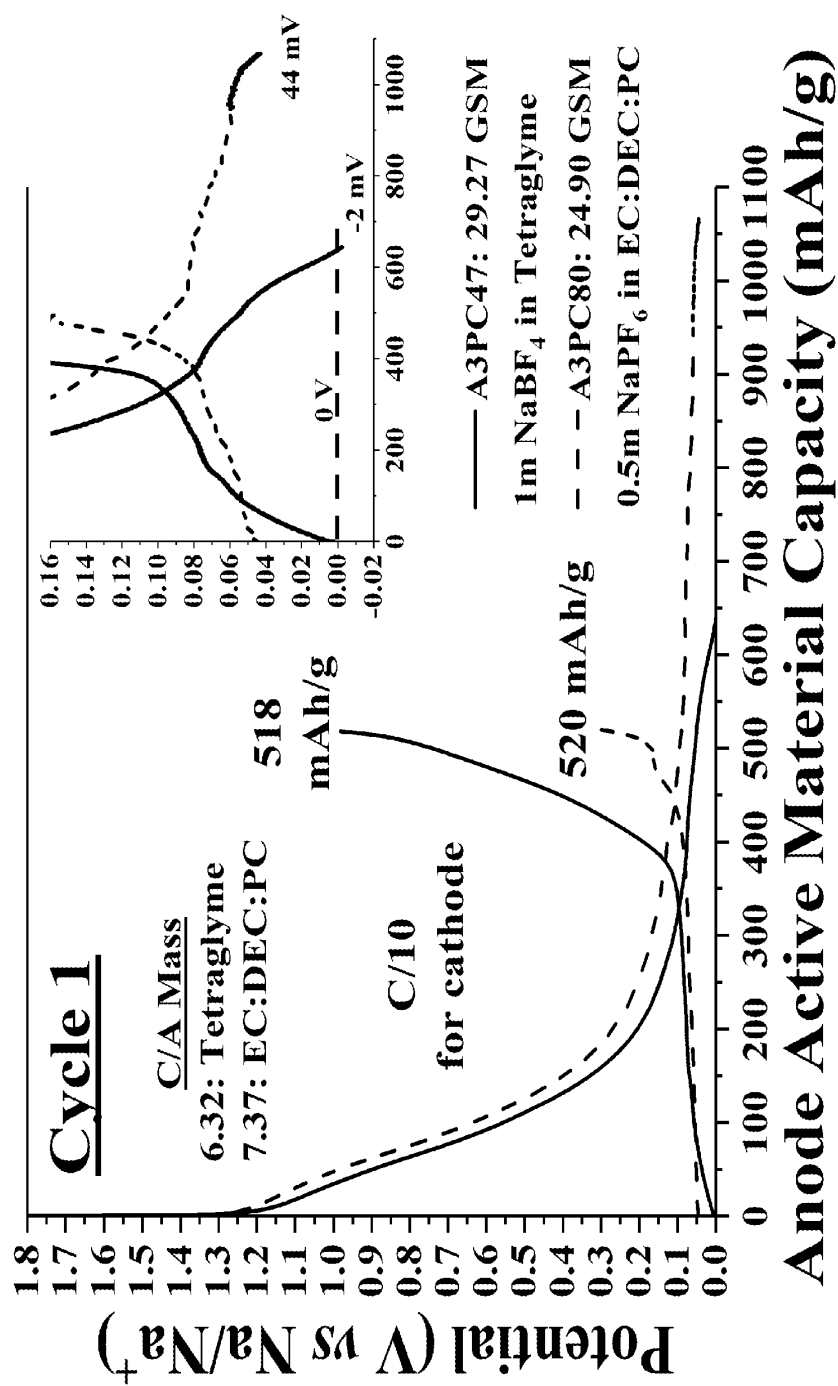


FIGURE 2

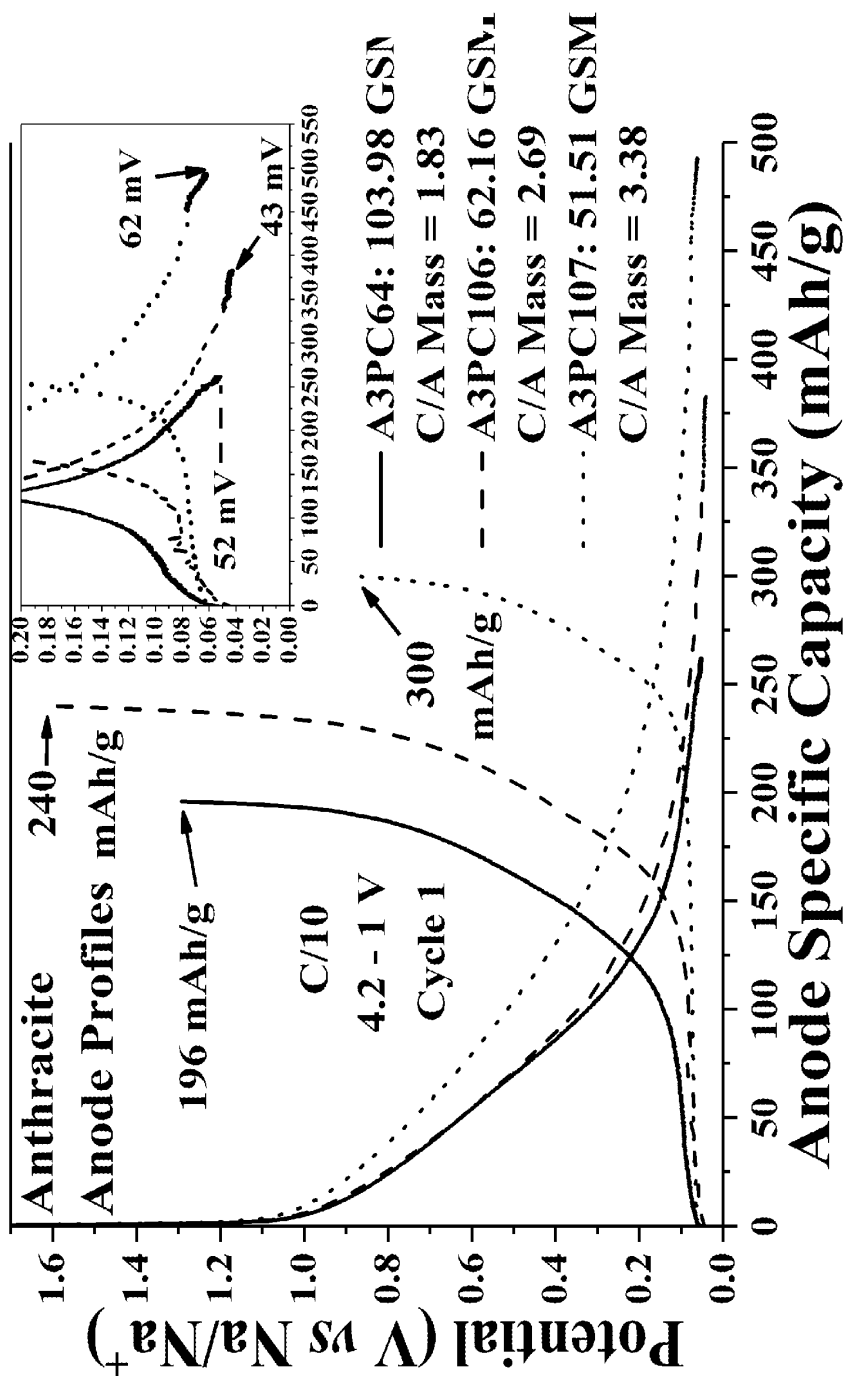


FIGURE 3

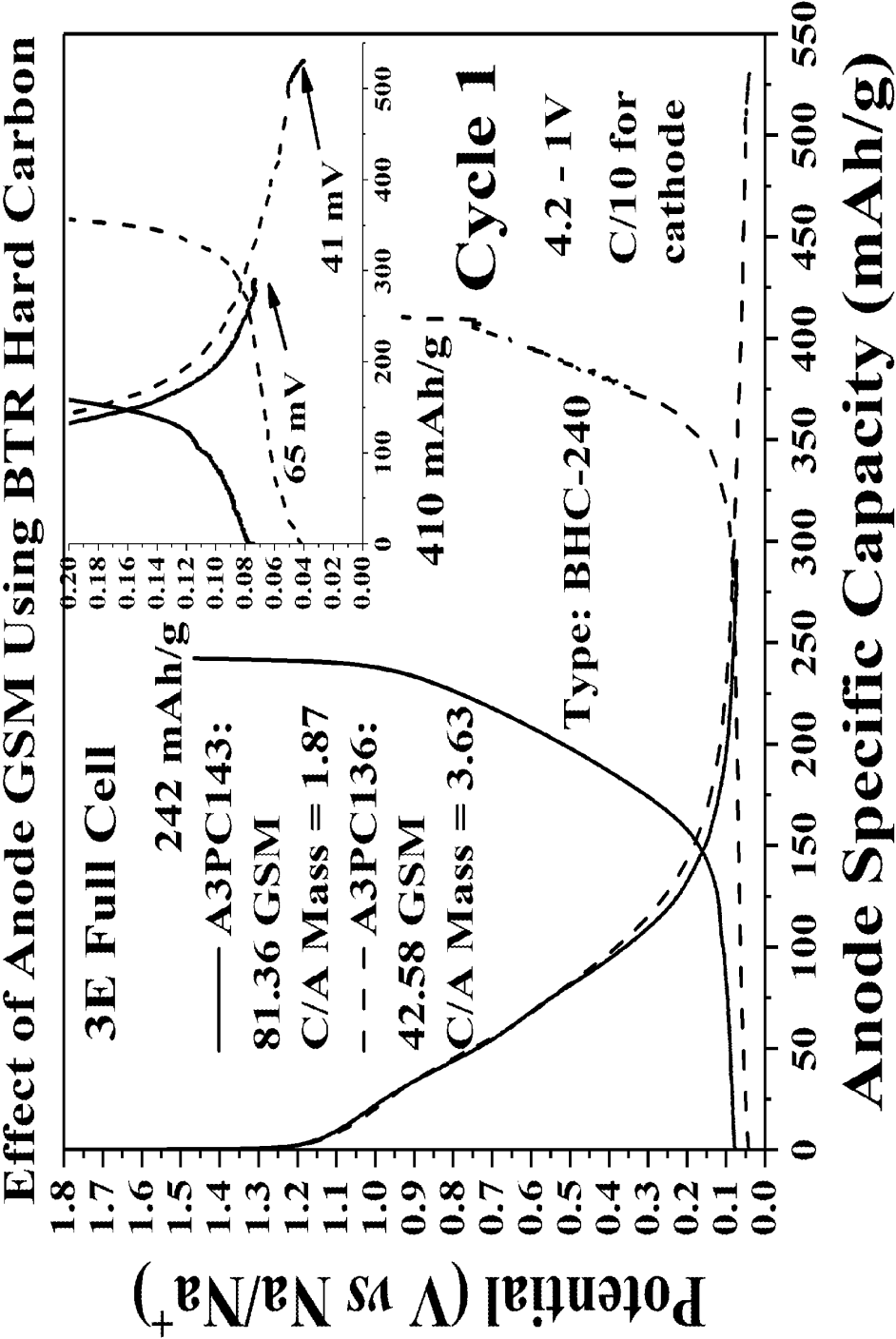


FIGURE 4

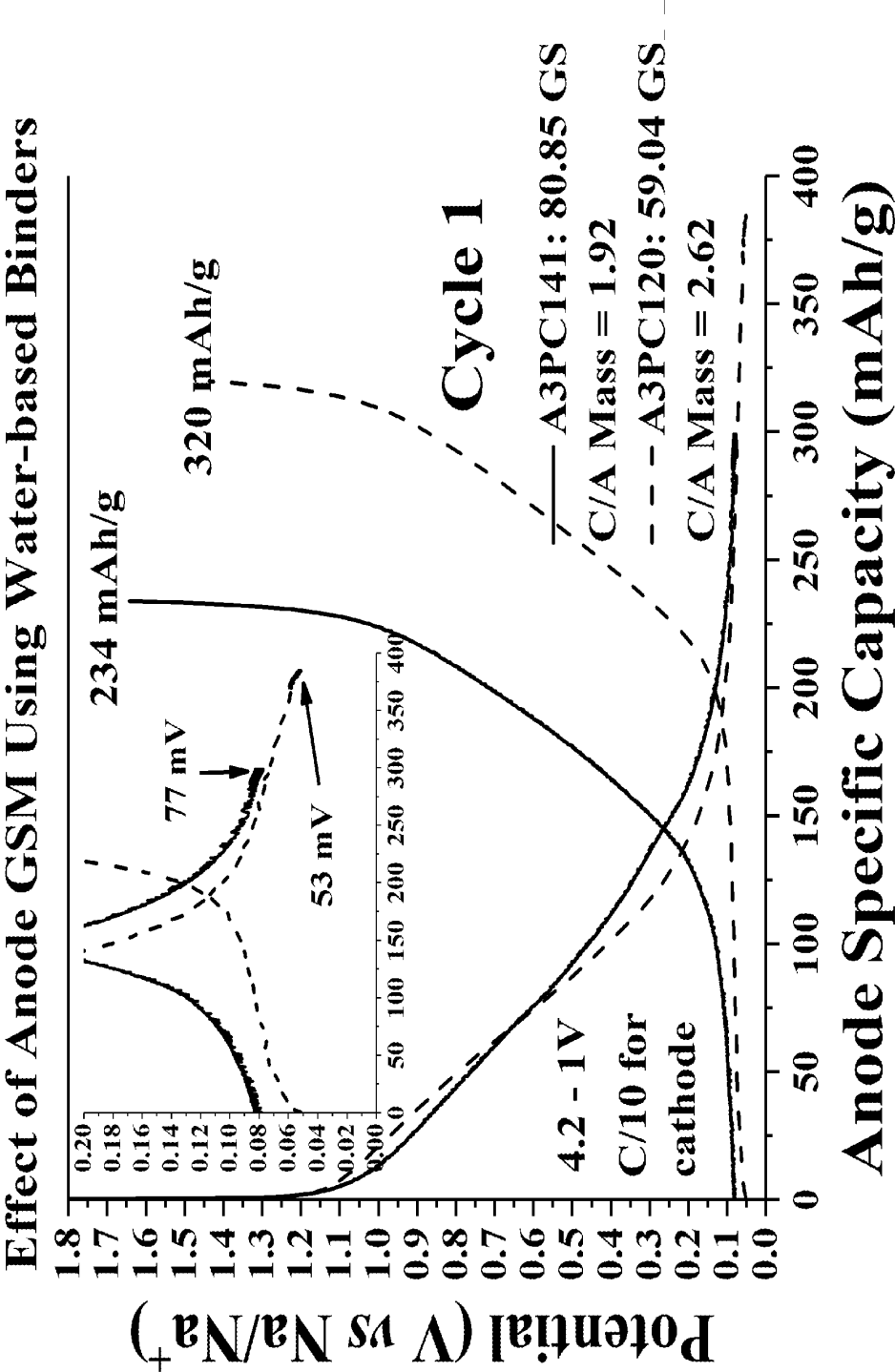


FIGURE 5

Long-term Cycling of 3E Full Cells with Different GSM Anodes

17 GSM: —*— A3PC127: C/A = 7.09

52 GSM:

—◇— A3PC118: C/A = 2.31 —●— A3PC140: C/A = 3.27; Post @ 4 - 1 V

—★— A3PC153: C/A = 3.32; Form + Post @ 4 - 1 V

—○— A3PC119: C/A = 3.15

62 GSM:

—+— A3PC110: C/A = 1.94 —△— A3PC91: C/A = 2.56 ——— A3PC93: C/A = 3.73

Heavy 86 GSM:

—+— A3PC14: C/A = 1.92 —□— A3PC42: C/A = 2.19

4.2 - 1 V

C/5 for Cathode

Heavy GSM

Baseline Cells

83%

87%

89%

94%

93%

79%

86%

92%

89%

86%

92%

89%

86%

92%

89%

86%



FIGURE 6

Long-term Cycling of 3E Full Cells with Different GSM Anodes

17 GSM: —*— A3PC127: C/A = 7.09

52 GSM:

—◇— A3PC118: C/A = 2.31 —●— A3PC140: C/A = 3.27; Post @ 4 - 1 V

—★— A3PC153: C/A = 3.32; Form + Post @ 4 - 1 V

—○— A3PC119: C/A = 3.15

62 GSM:

—+— A3PC110: C/A = 1.94 —△— A3PC91: C/A = 2.56 ——— A3PC93: C/A = 3.73

Heavy 86 GSM:

—+— A3PC14: C/A = 1.92 —□— A3PC42: C/A = 2.19

Heavy GSM

Baseline Cells

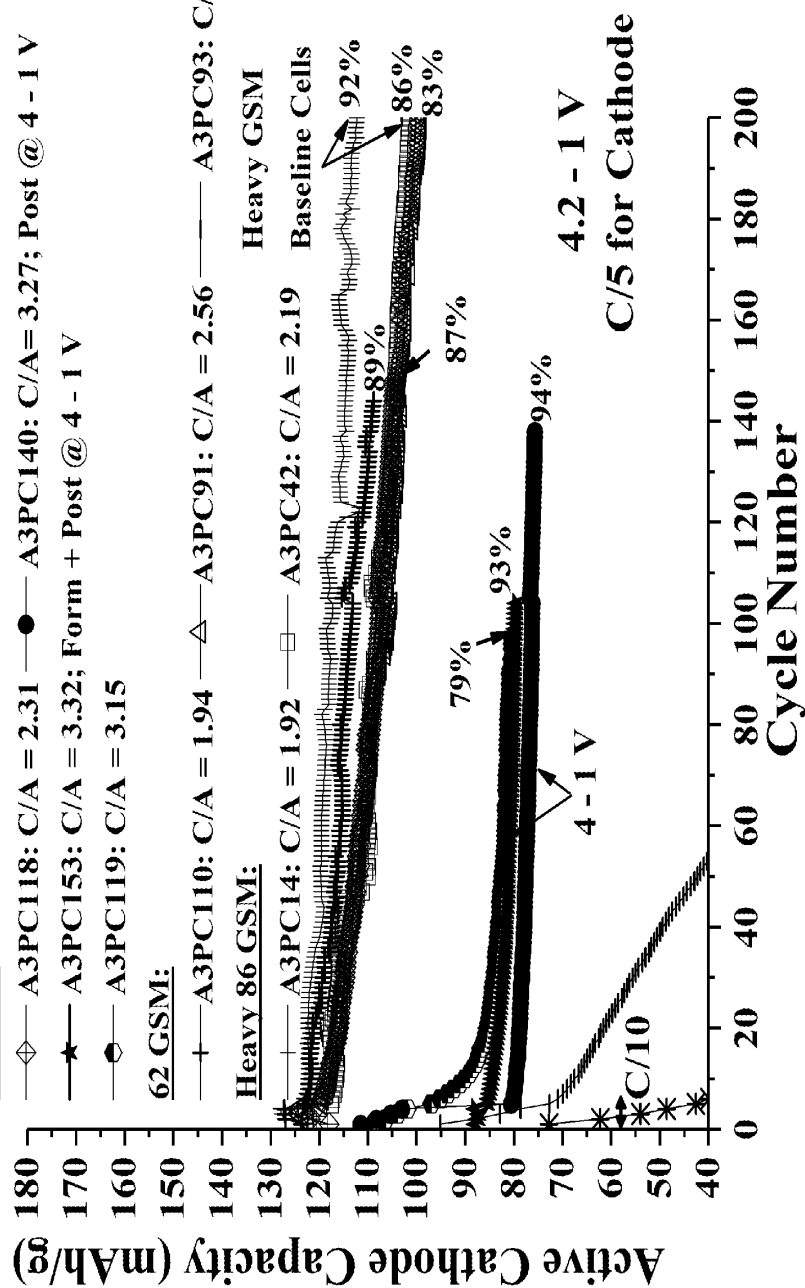


FIGURE 7

4 -1 V 3E Full Cells: Effect of Formation V Window

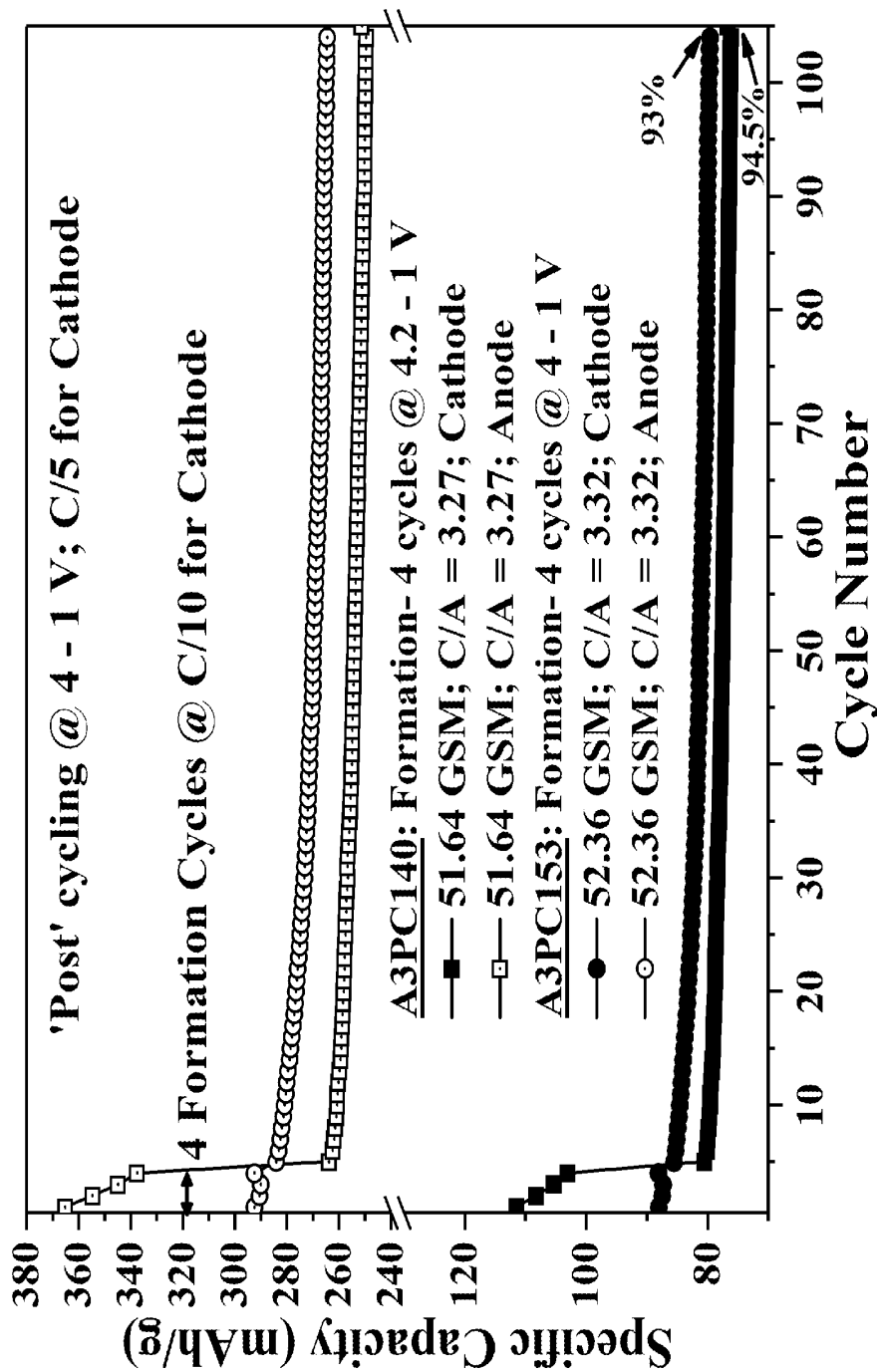


FIGURE 8

4 -1 V 3E Full Cells: Effect of Formation V Window

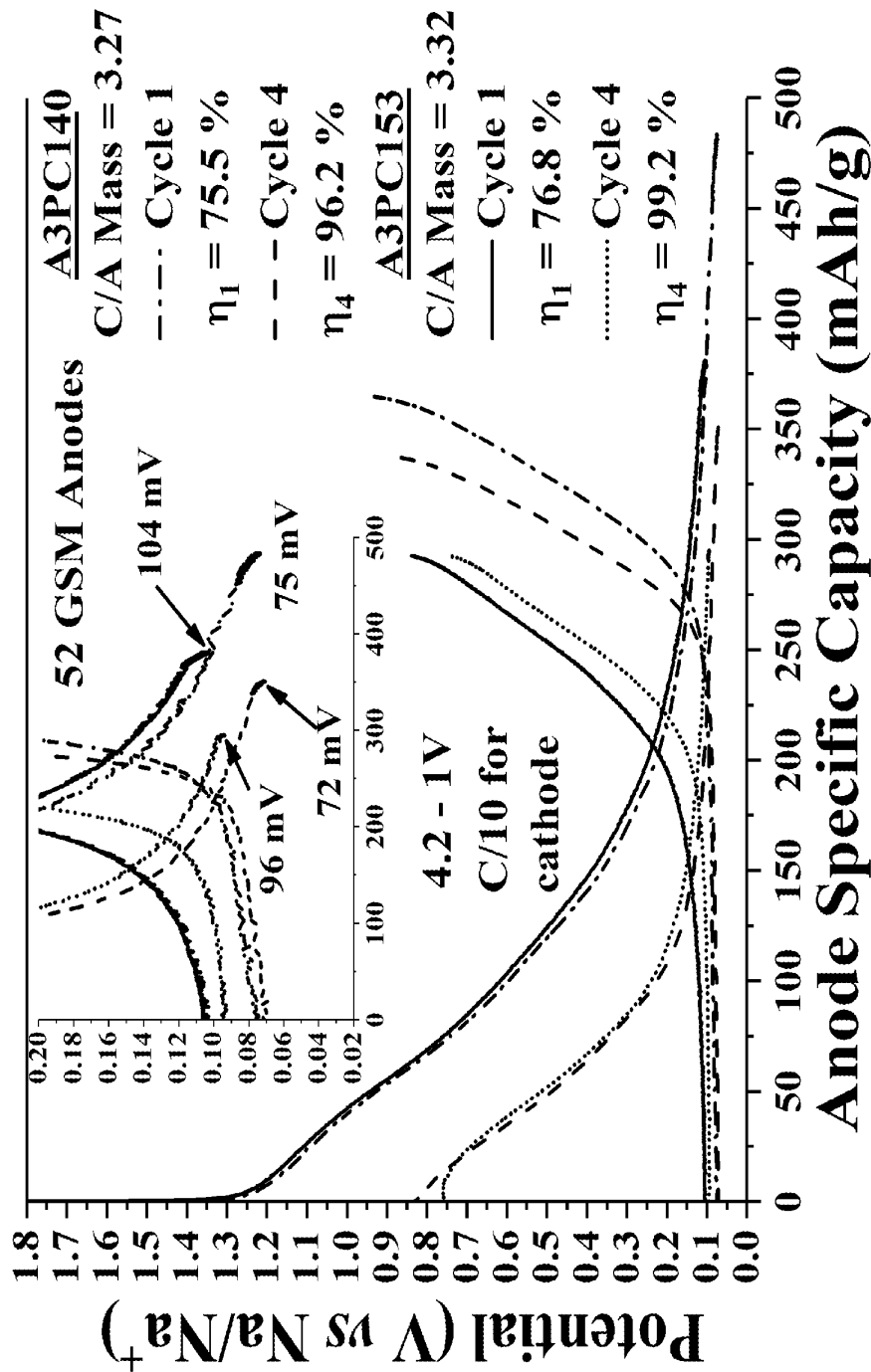


FIGURE 9

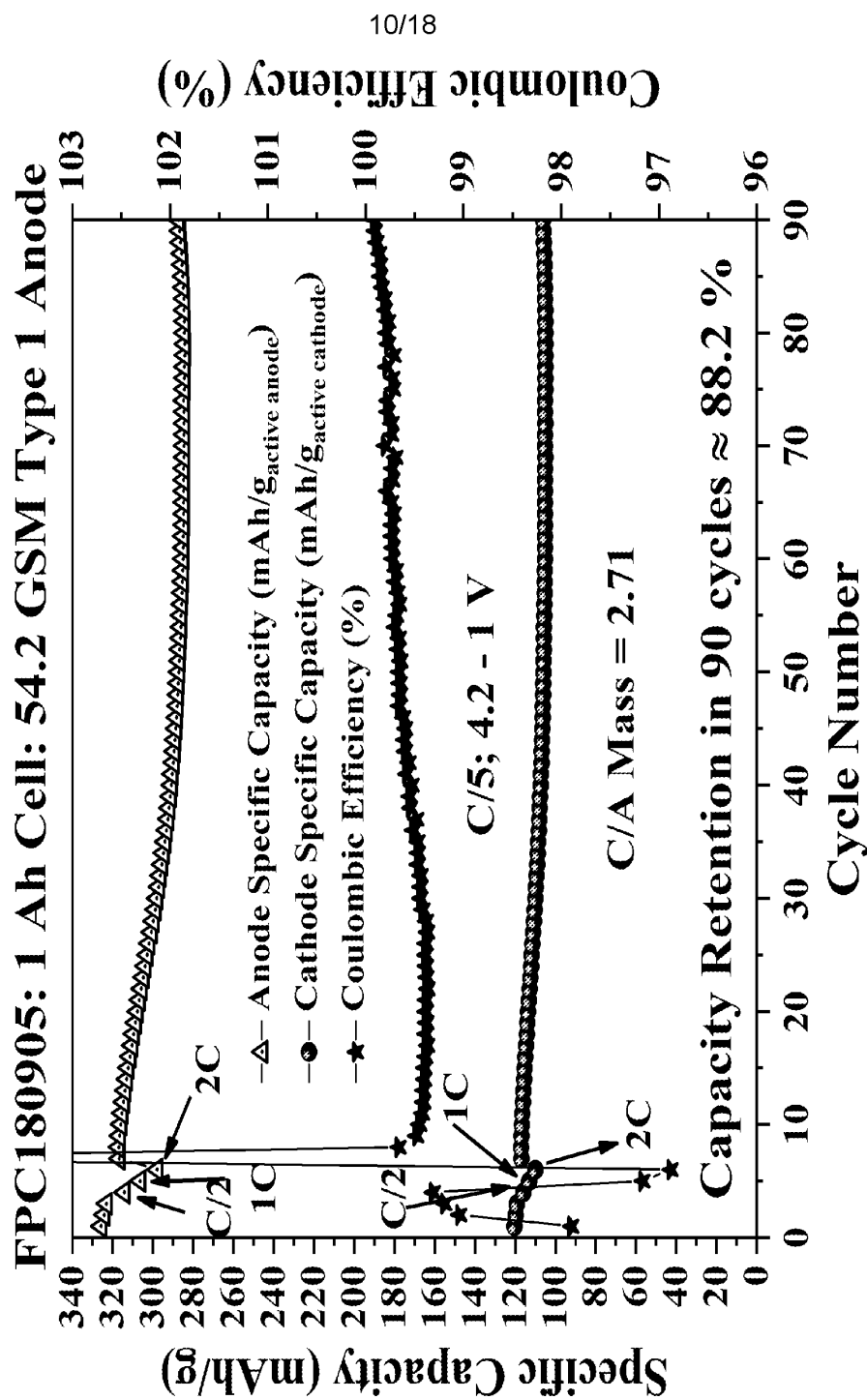


FIGURE 10

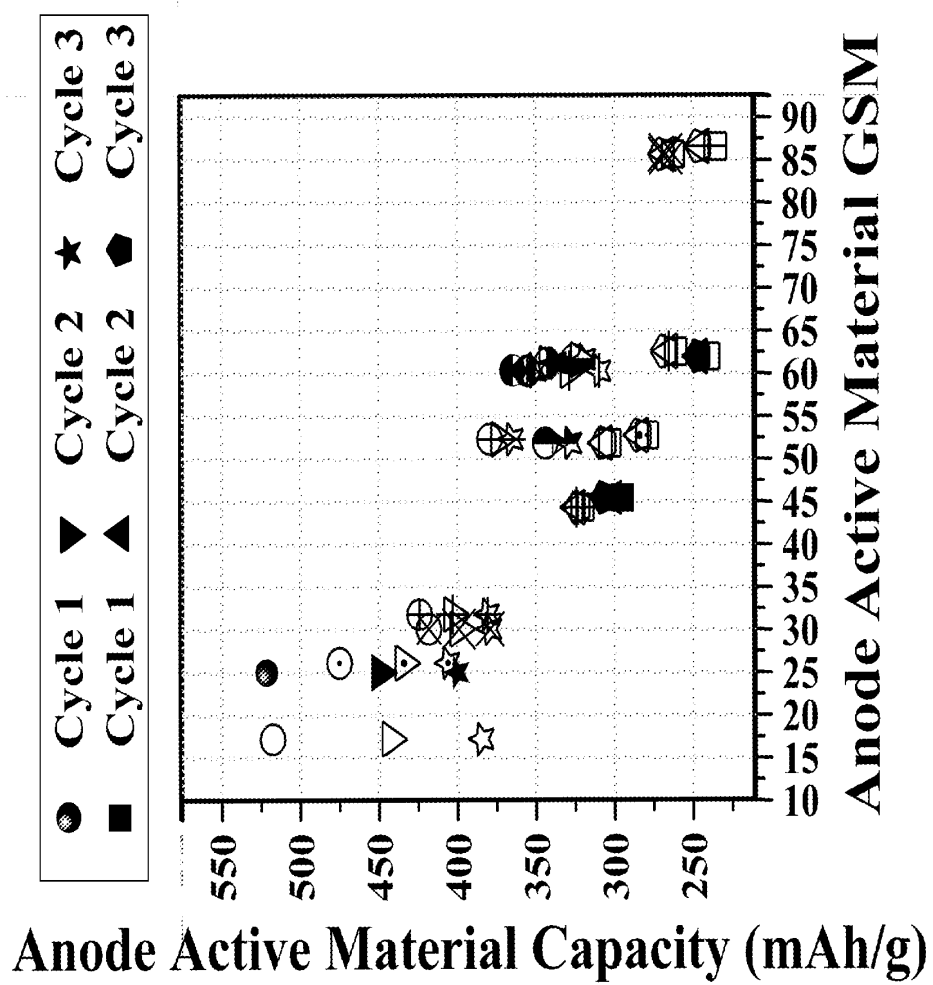


FIGURE 11

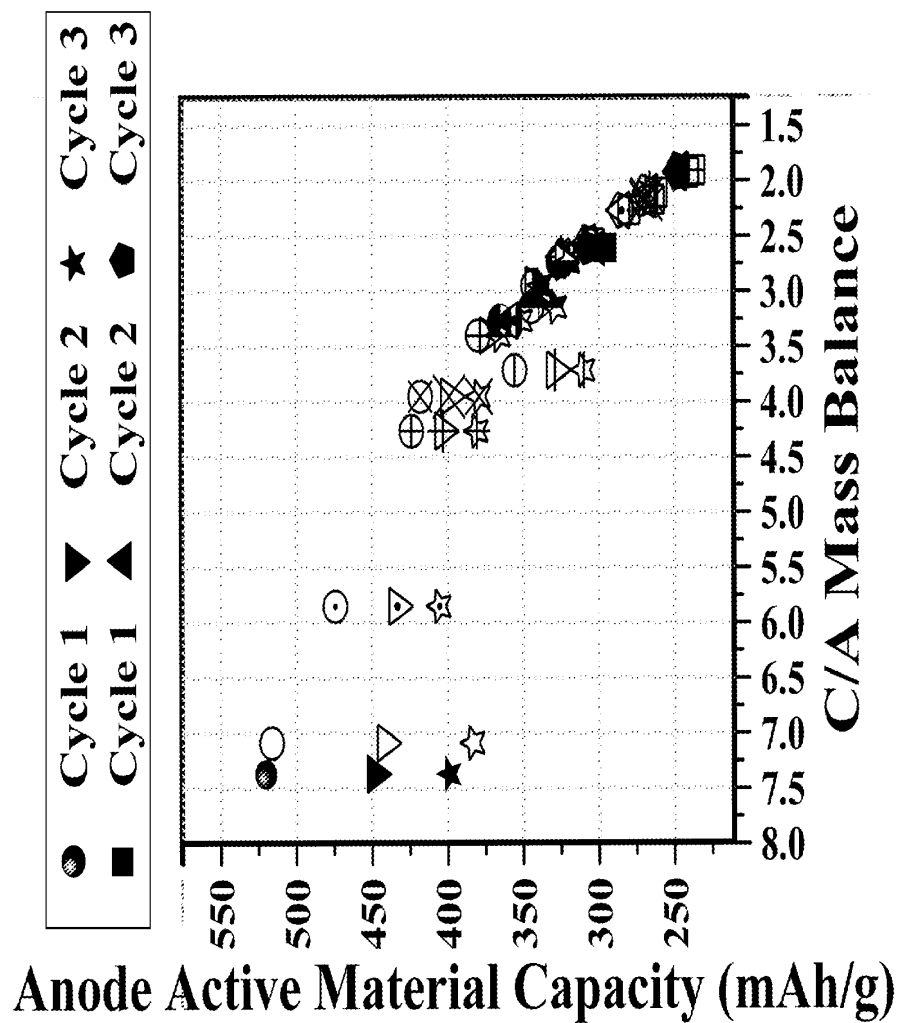


FIGURE 12

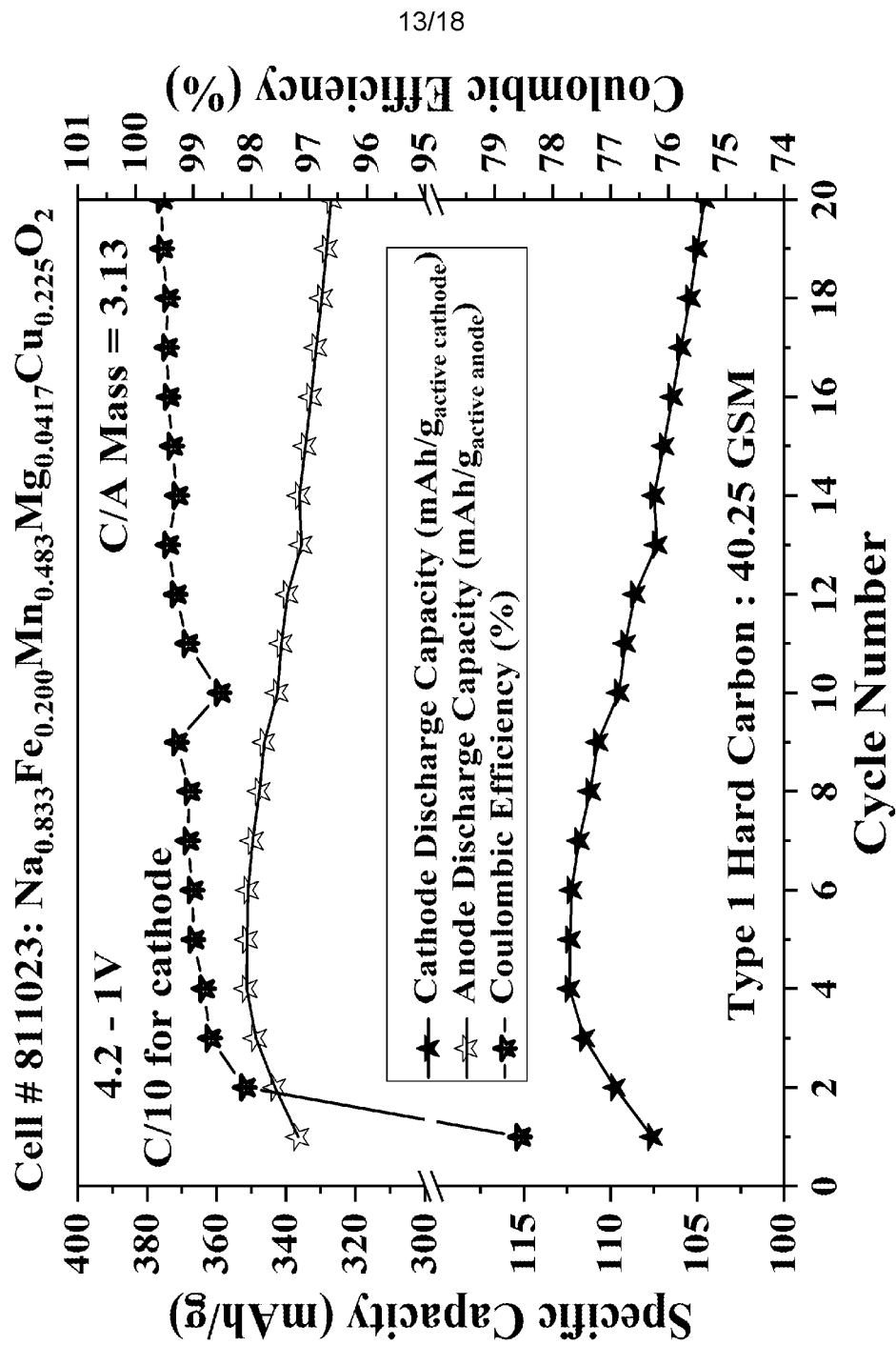


FIGURE 13

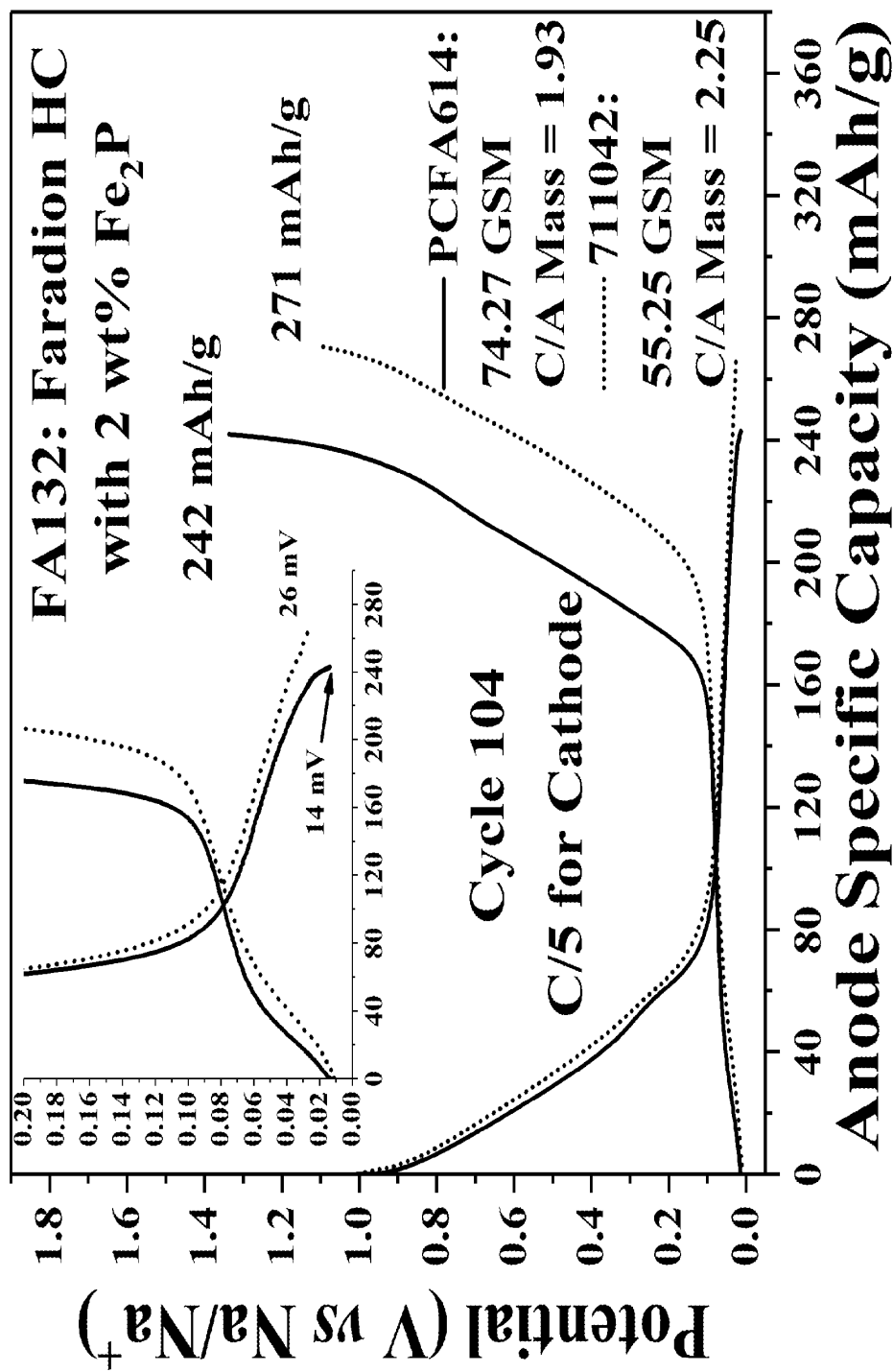


FIGURE 14

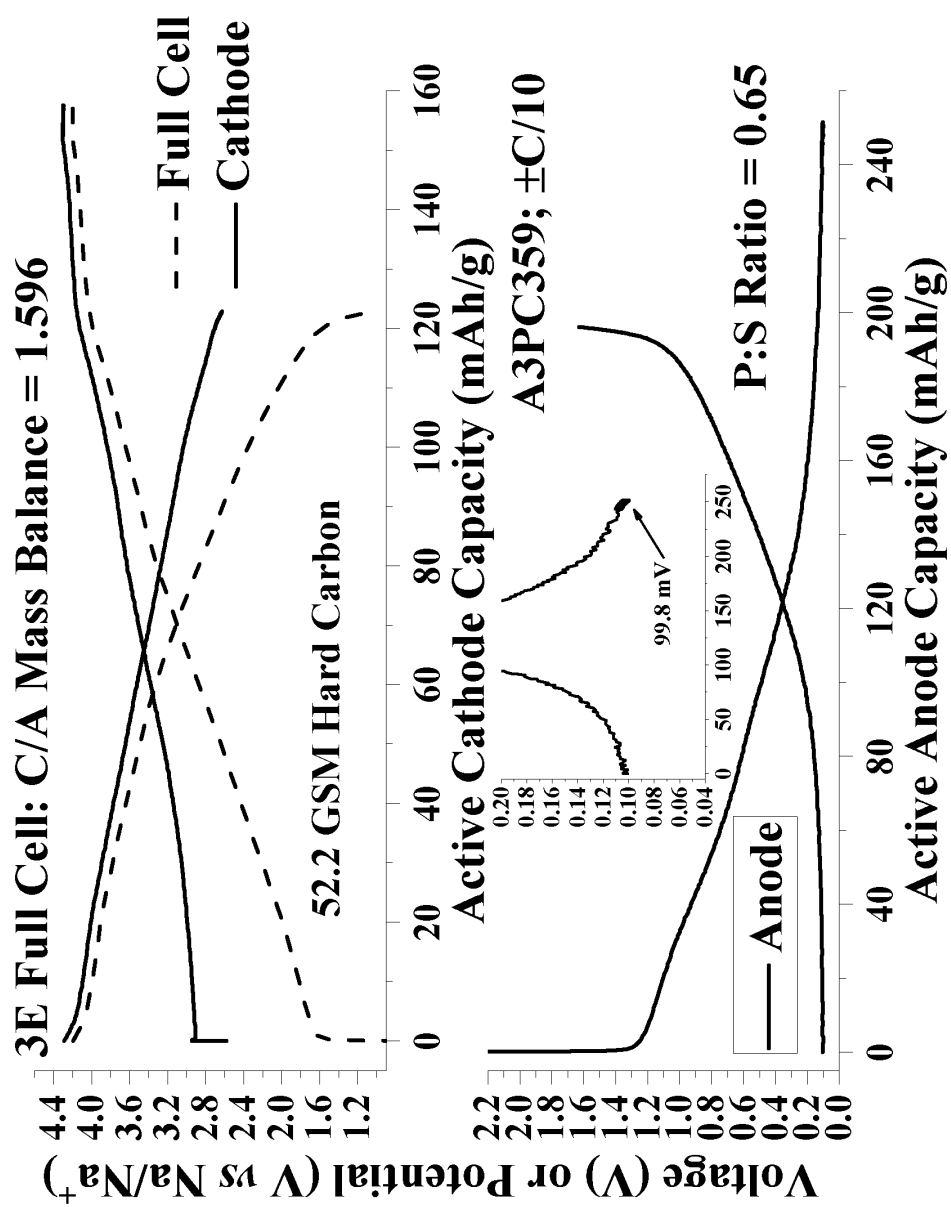


FIGURE 15

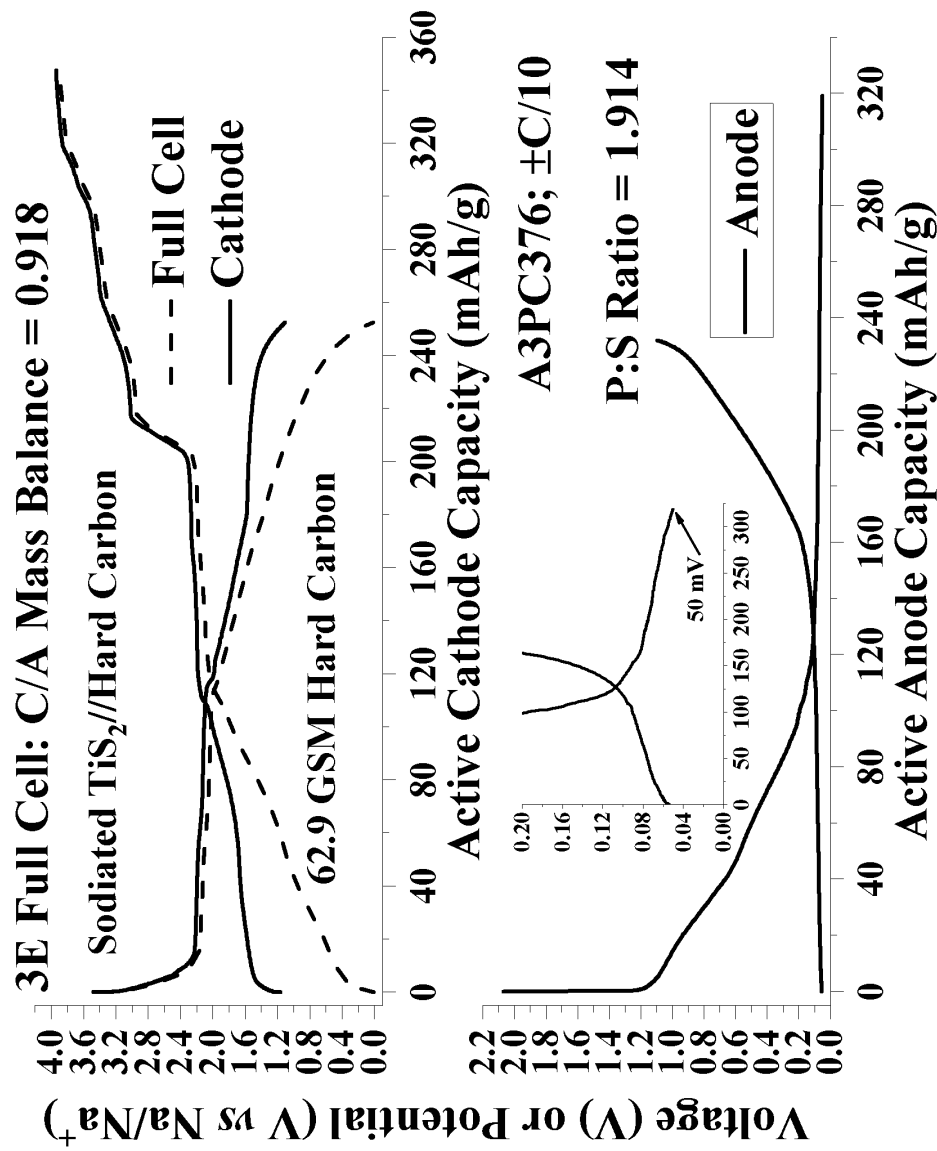


FIGURE 16

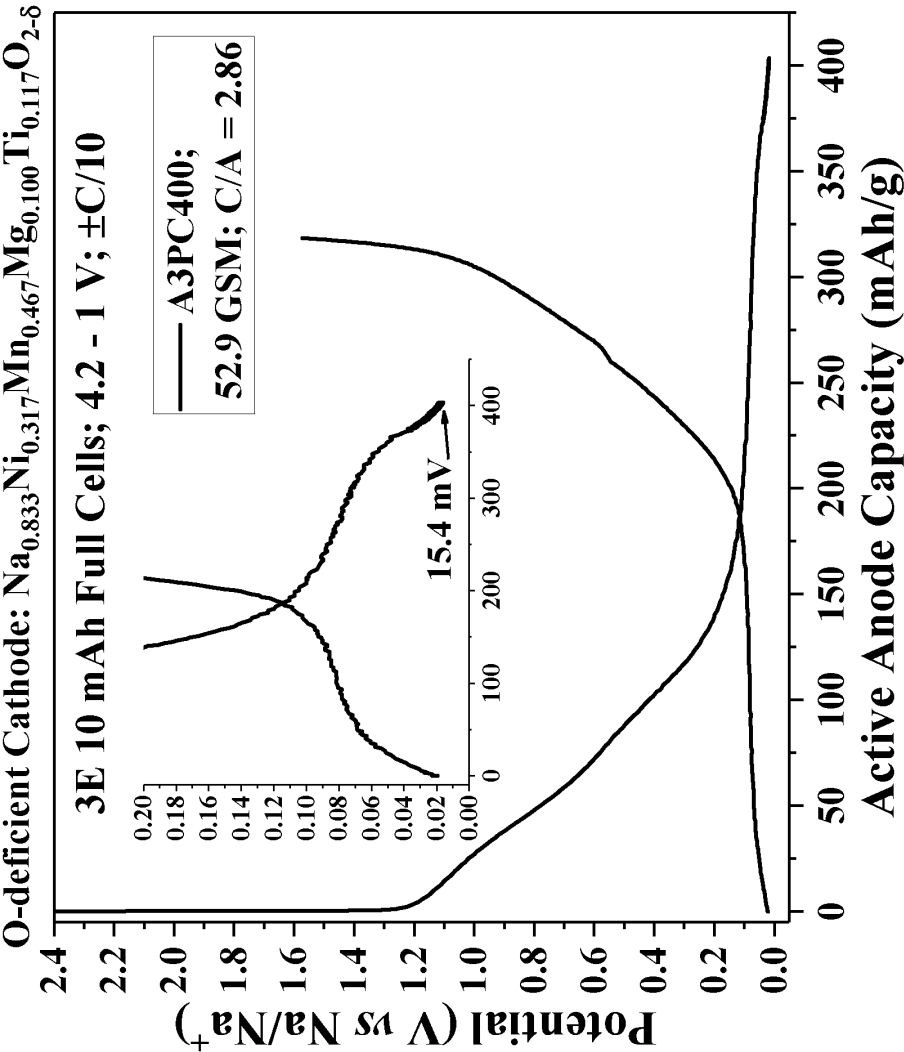


FIGURE 17

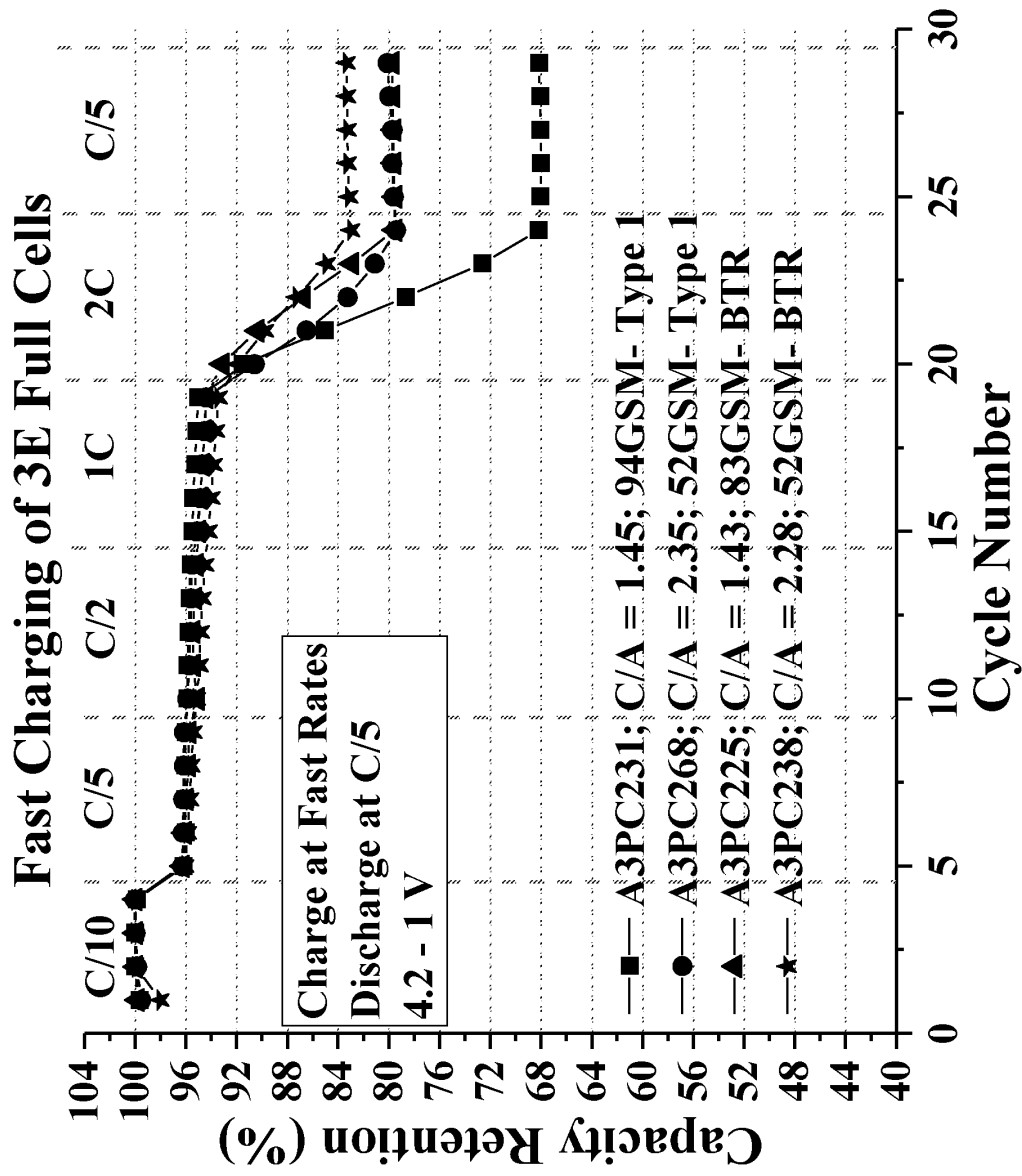


FIGURE 18