

FIG. 1

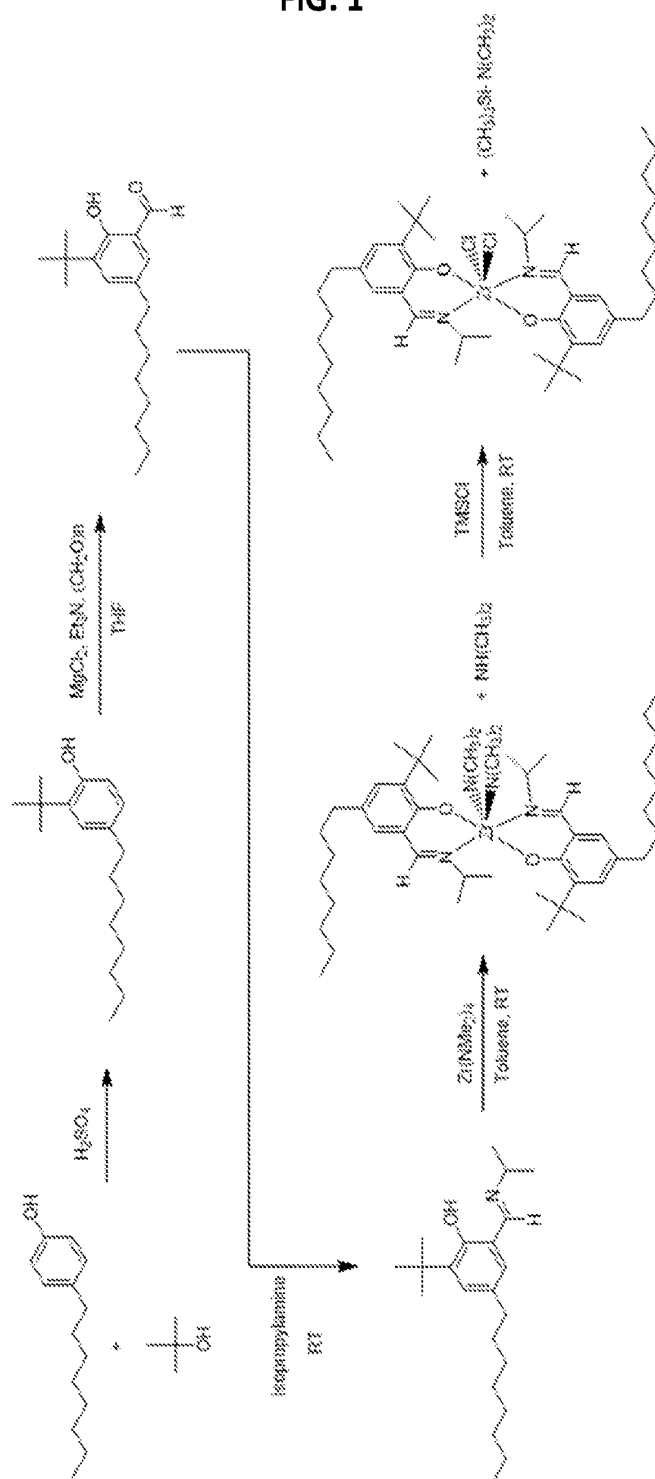


FIG. 2

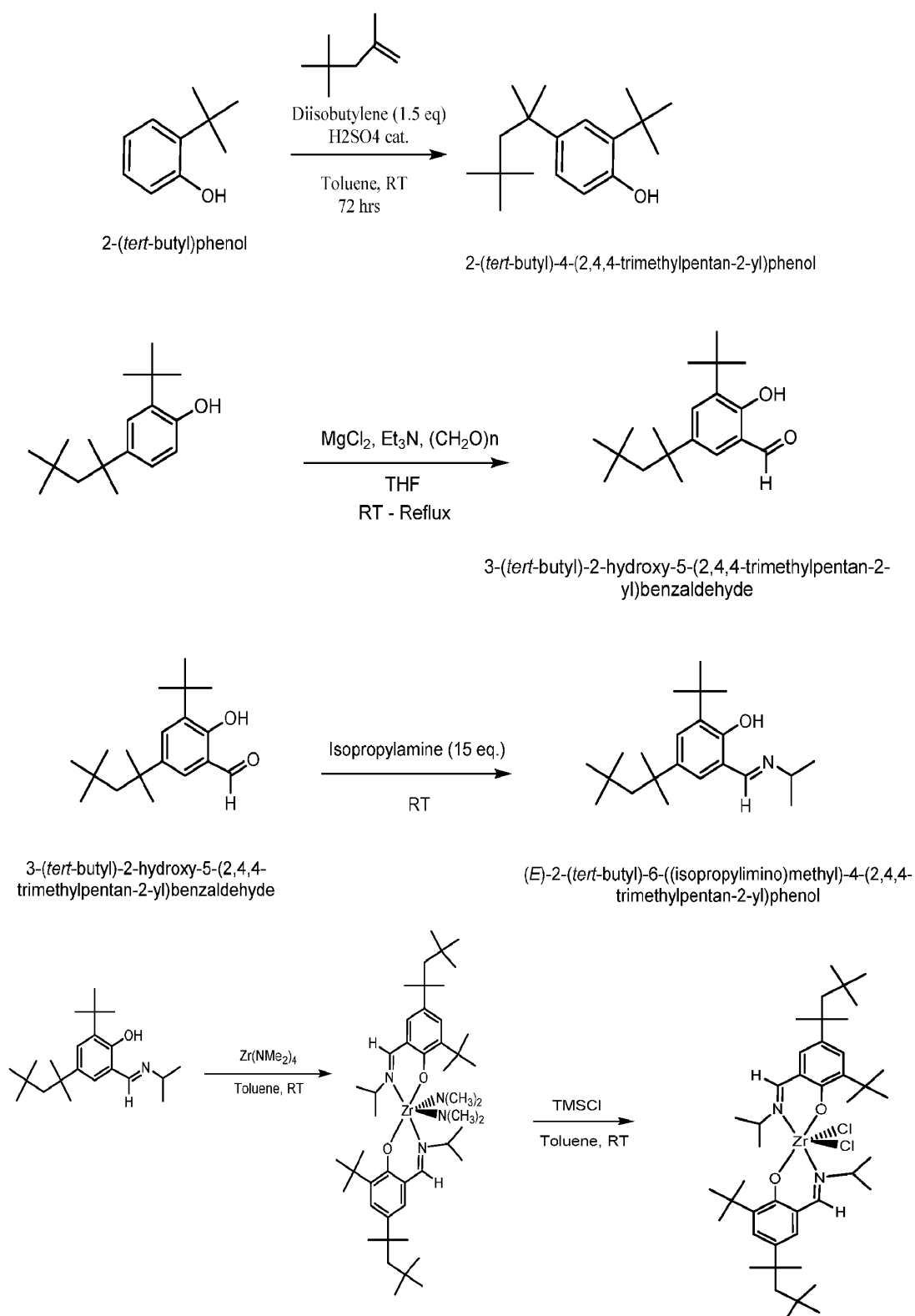
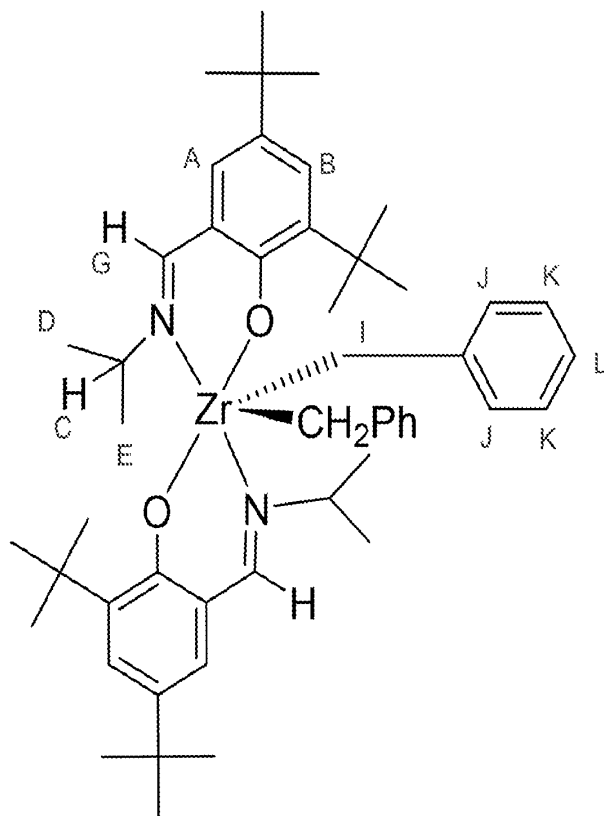
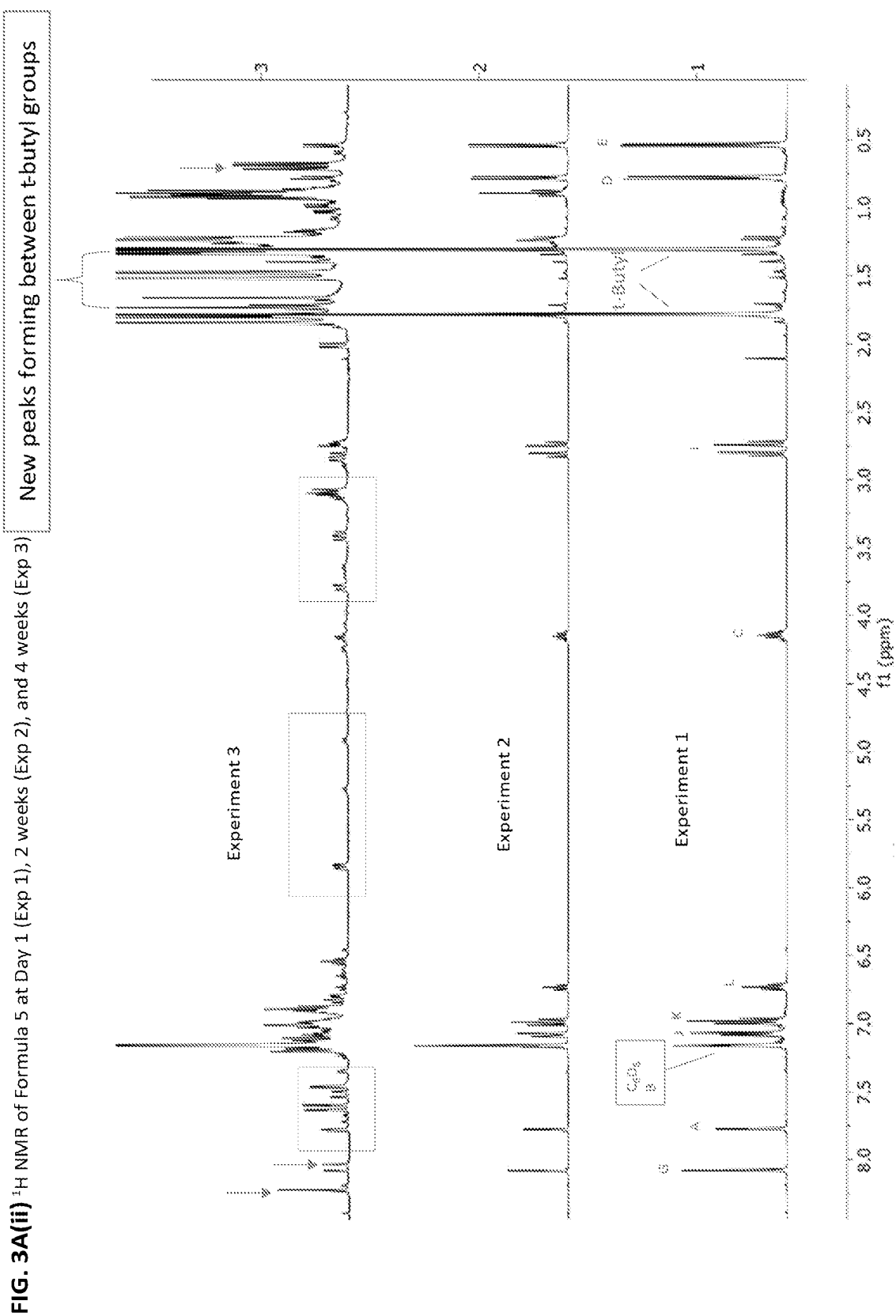


FIG. 3A(i) Formula 5 with distinct hydrogens labeled A-L



The chemical structure shows a Zr(IV) complex. The central Zr atom is coordinated by two chlorine atoms (one wedge, one dash) and two oxygen atoms from a chiral ferrocenyl ligand. The ferrocene backbone consists of two cyclopentadienyl rings sandwiching an iron atom. The left ring is substituted with a long alkyl chain (labeled 'P' at the end) and a tert-butyl group. The right ring is substituted with a tert-butyl group and a long alkyl chain (labeled 'Q' at the end). The ligand also features several other functional groups, including a hydroxyl group (labeled 'O'), a carbonyl group (labeled 'C=O'), and a nitrogen atom (labeled 'N'). Various other atoms and bonds are labeled with letters (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z) and numbers (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).

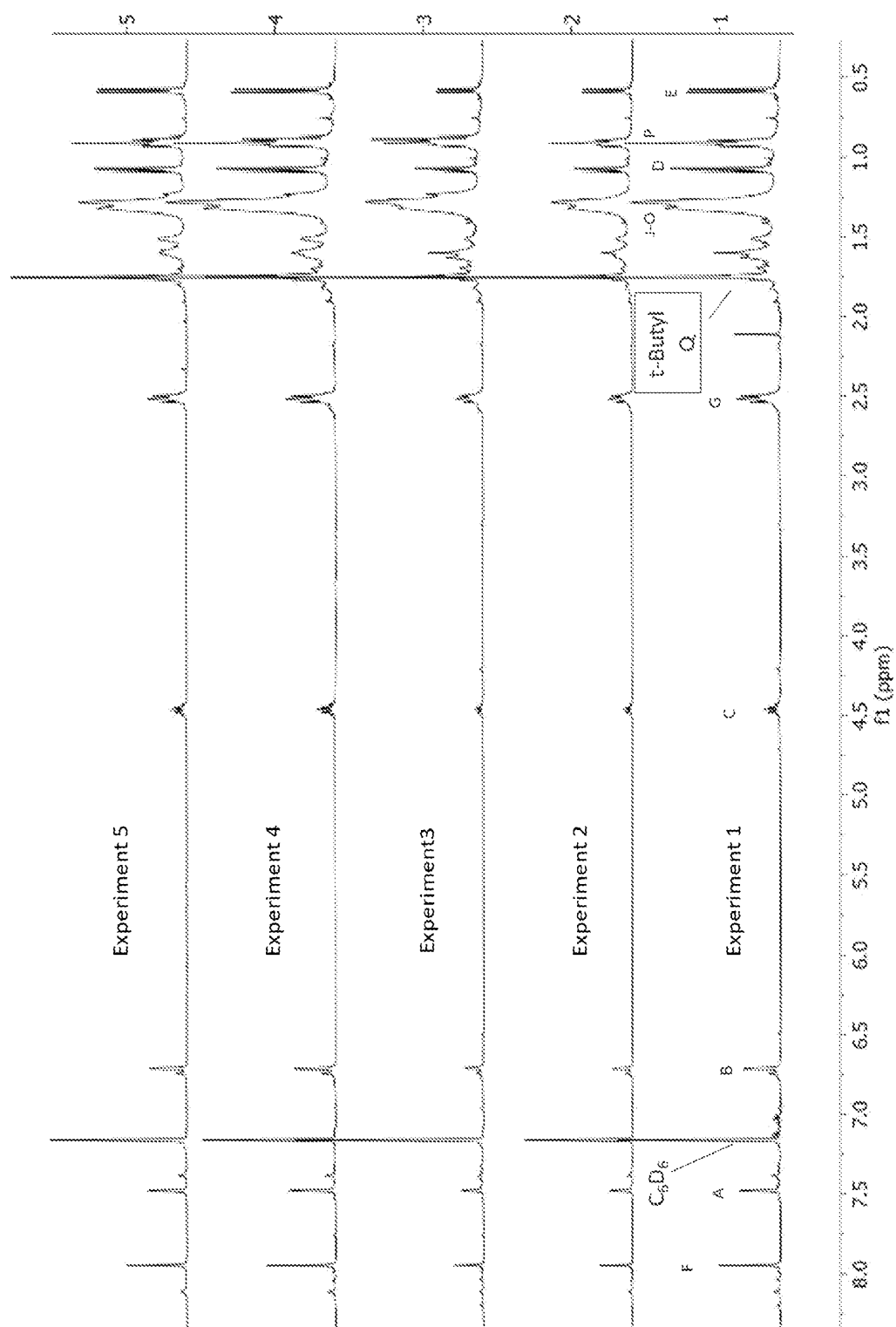
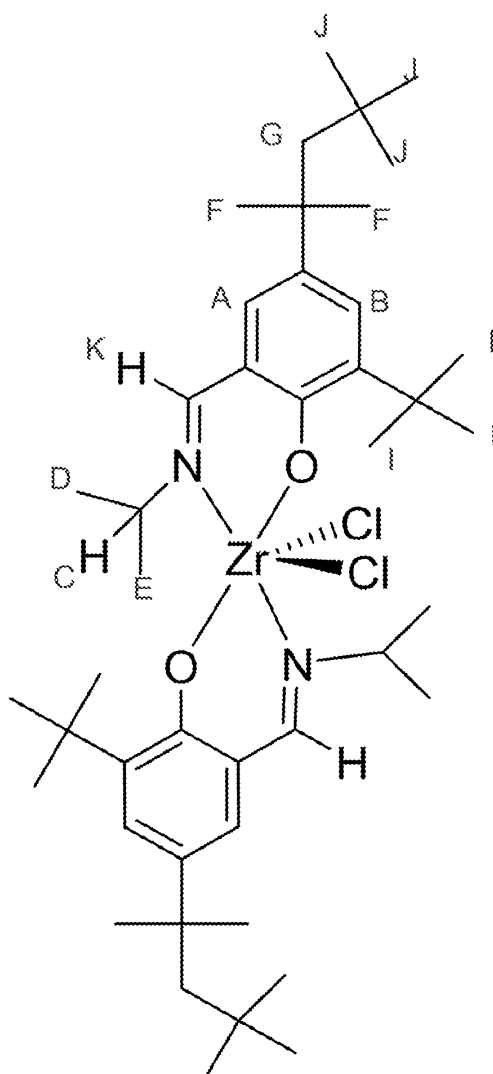
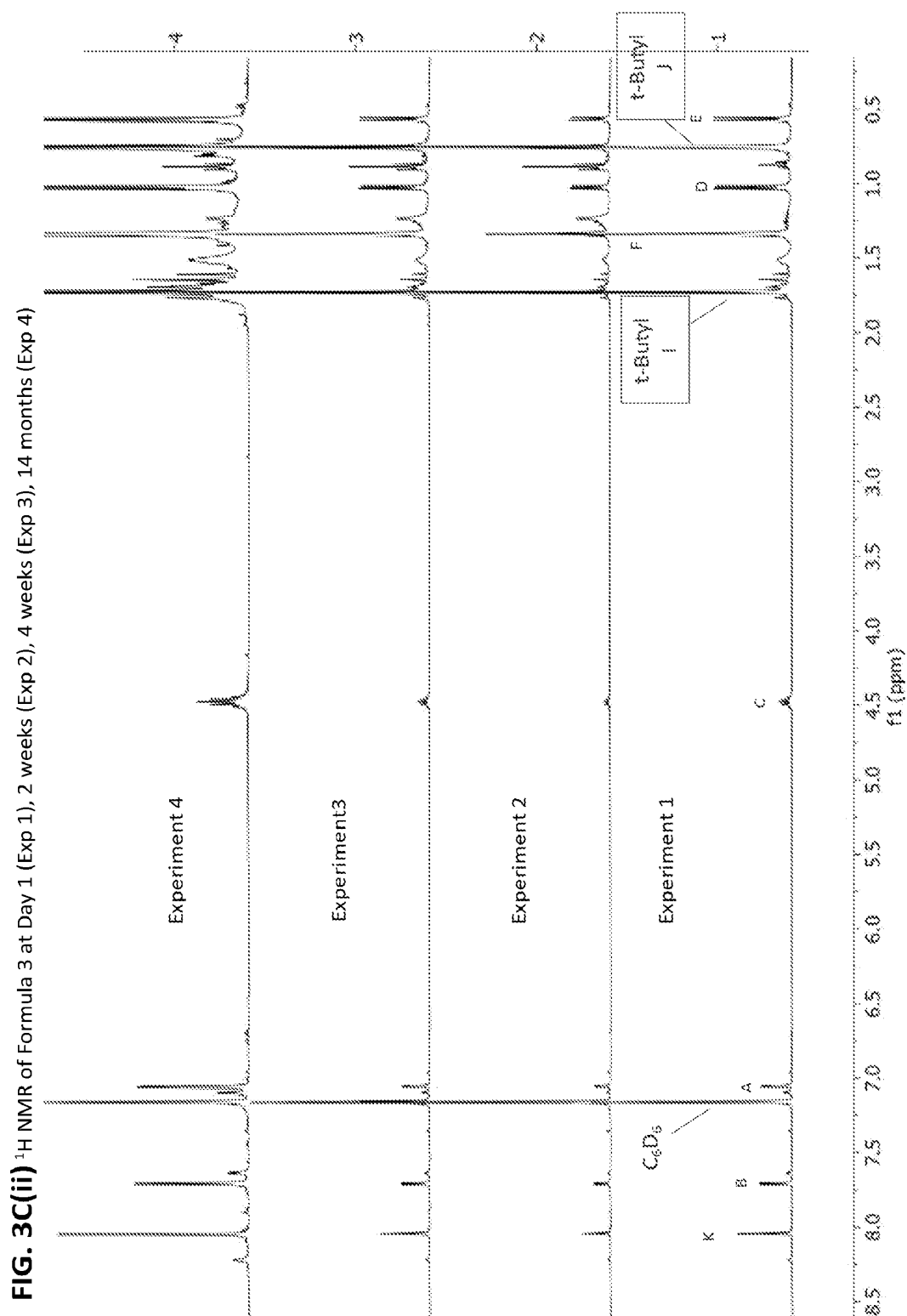
FIG. 3B(ii) ^1H NMR of Formula 2 at Day 1 (Exp 1), Day 12 (Exp 2), 10 weeks (Exp 3,4), 13 months (Exp 5)

FIG. 3C(i)





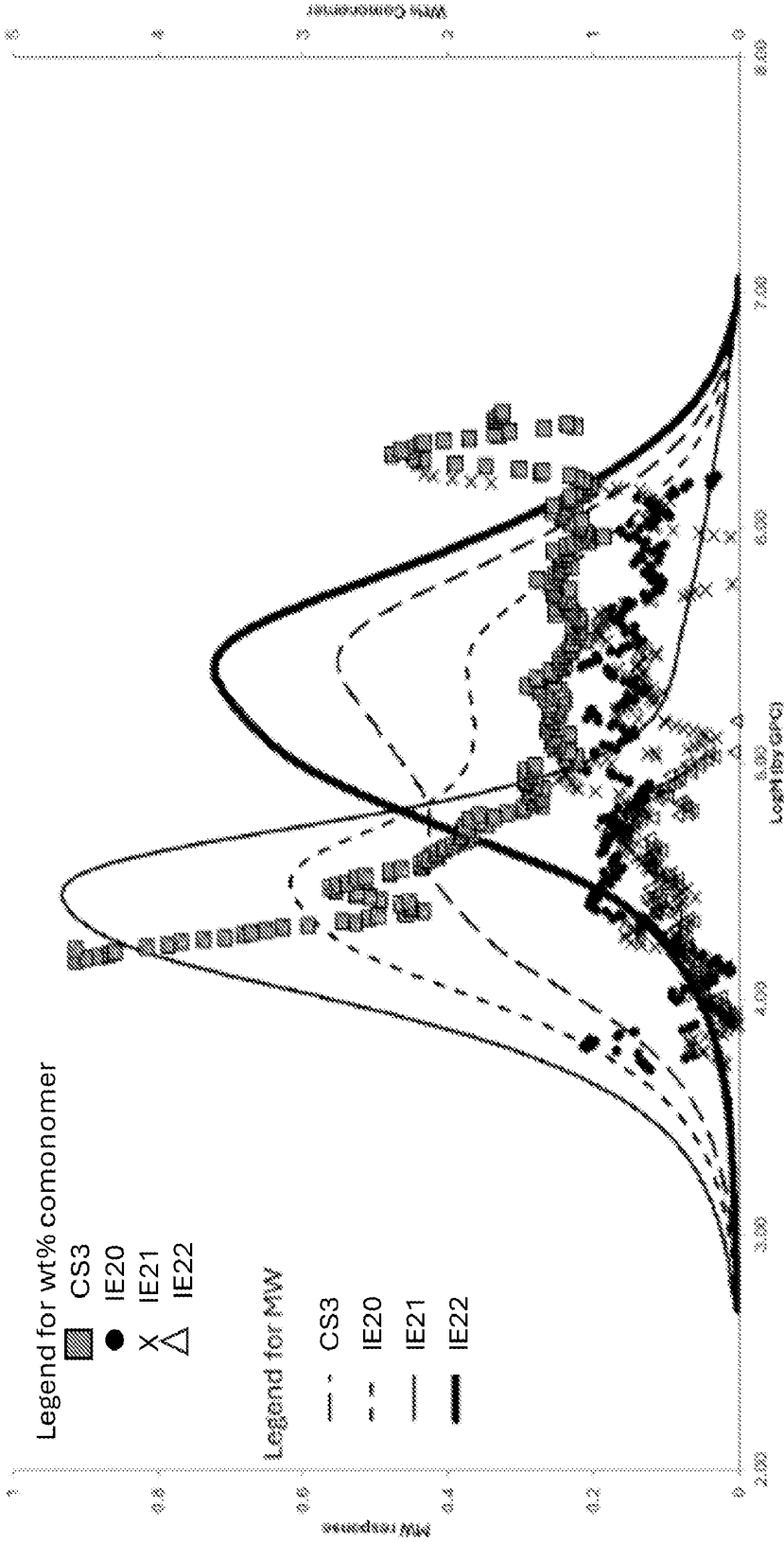


FIG. 4

FIG. 5

