

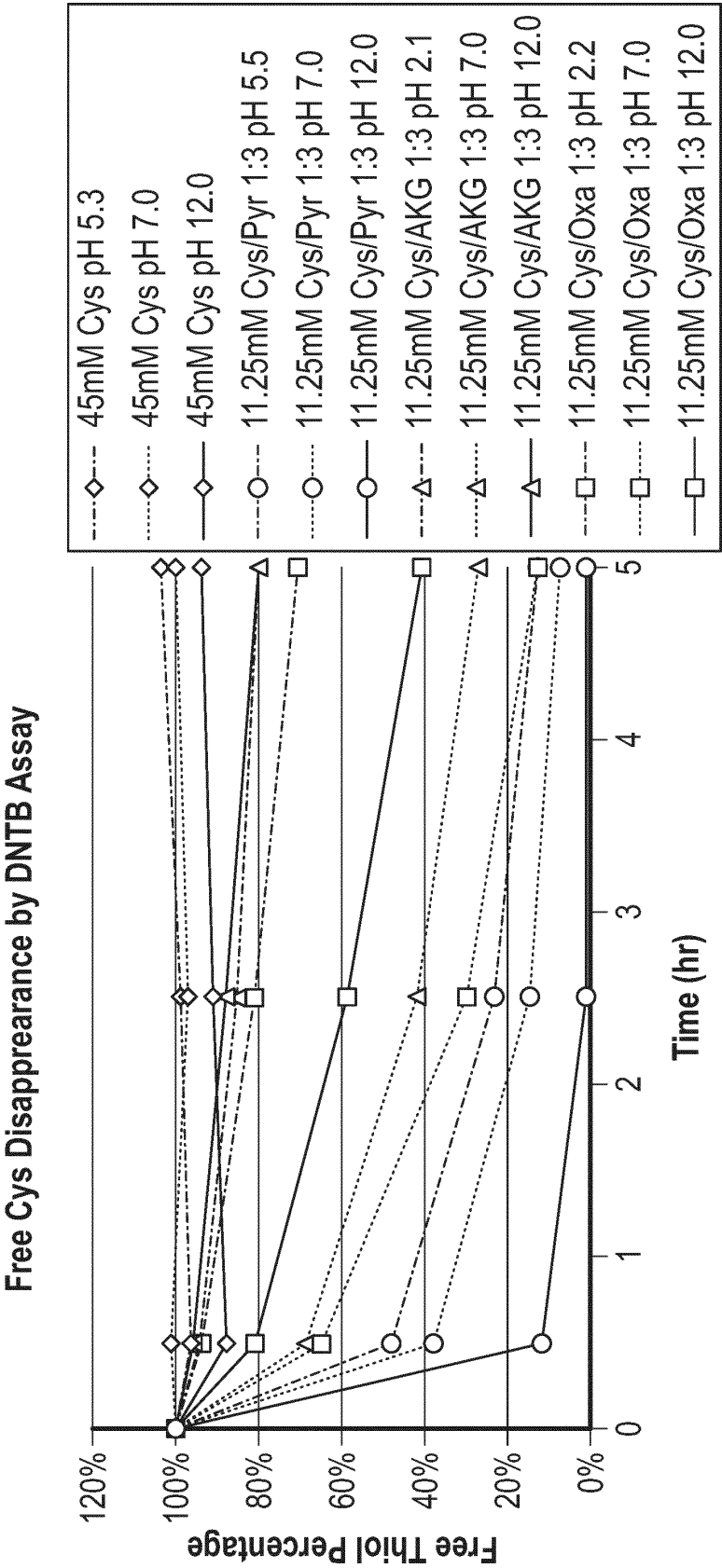


FIG. 1A

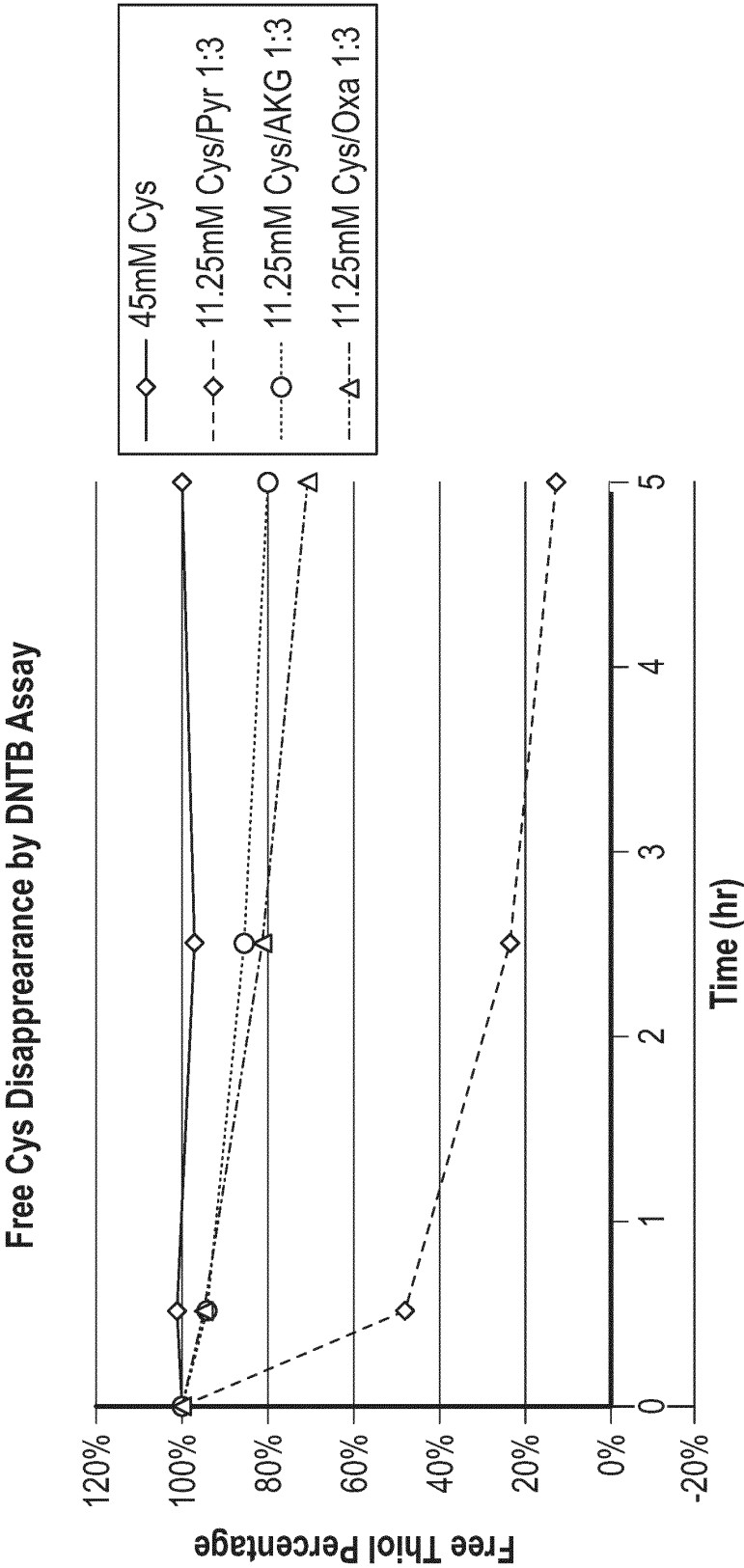


FIG. 1B

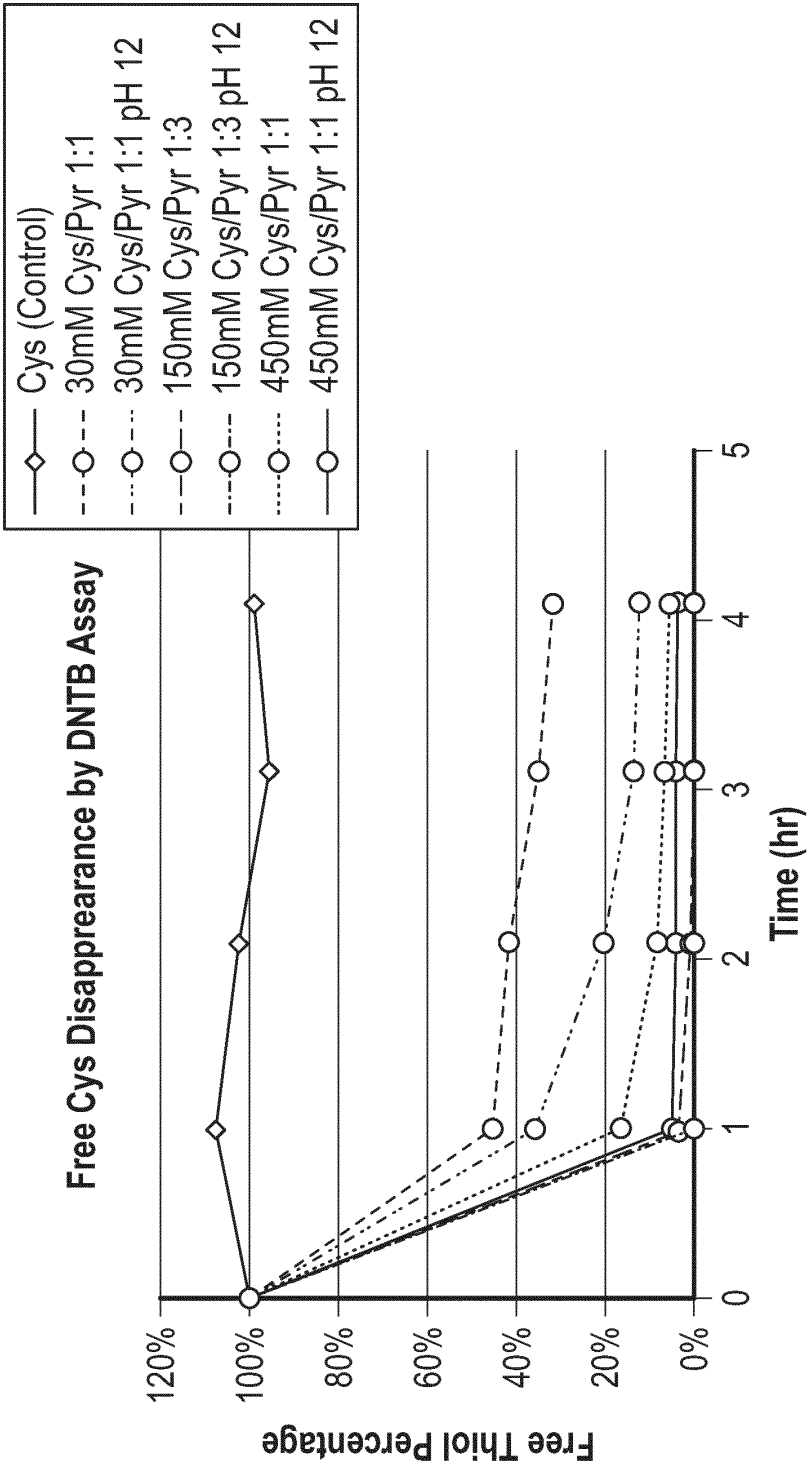


FIG. 2

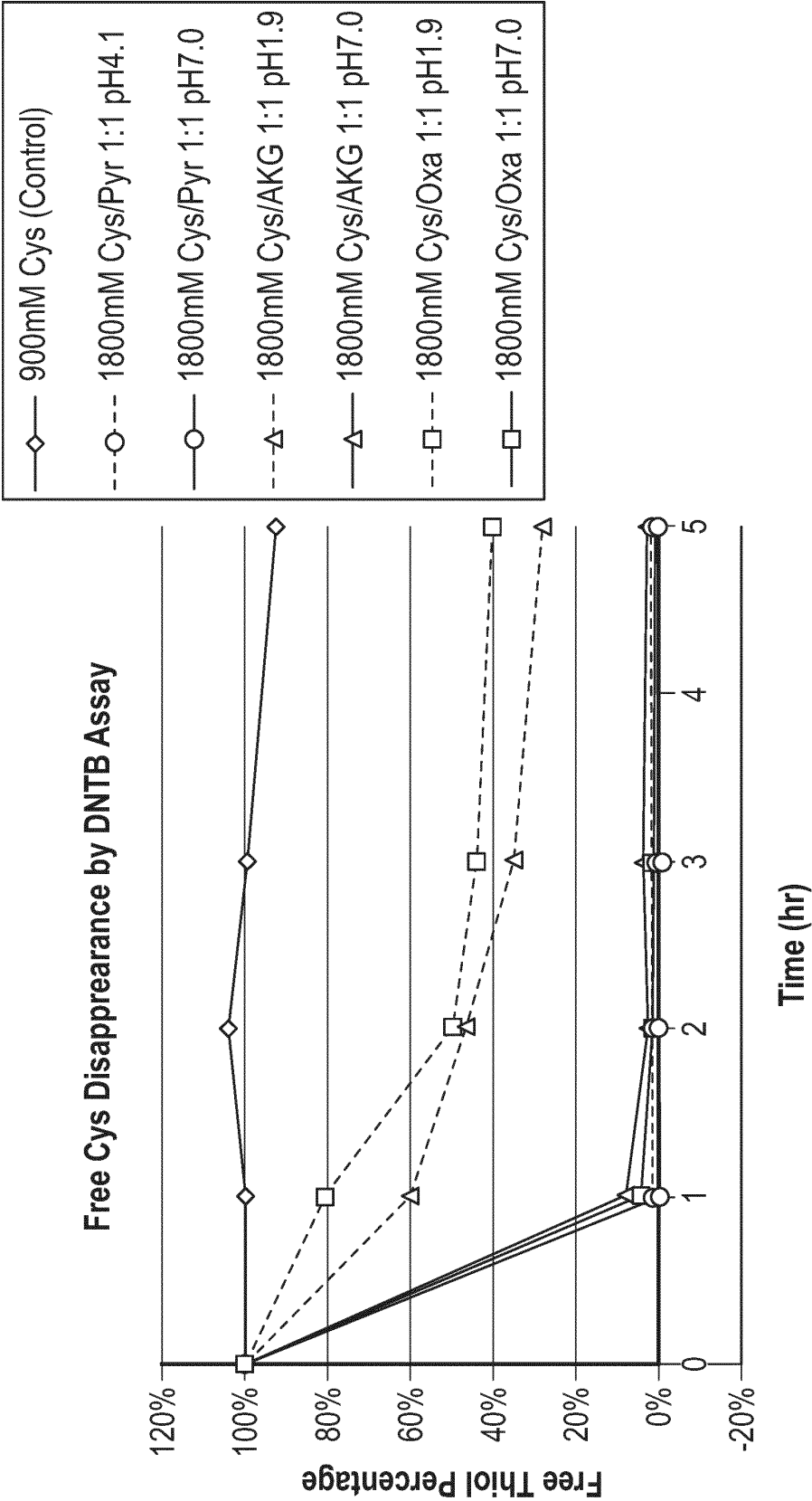


FIG. 3A

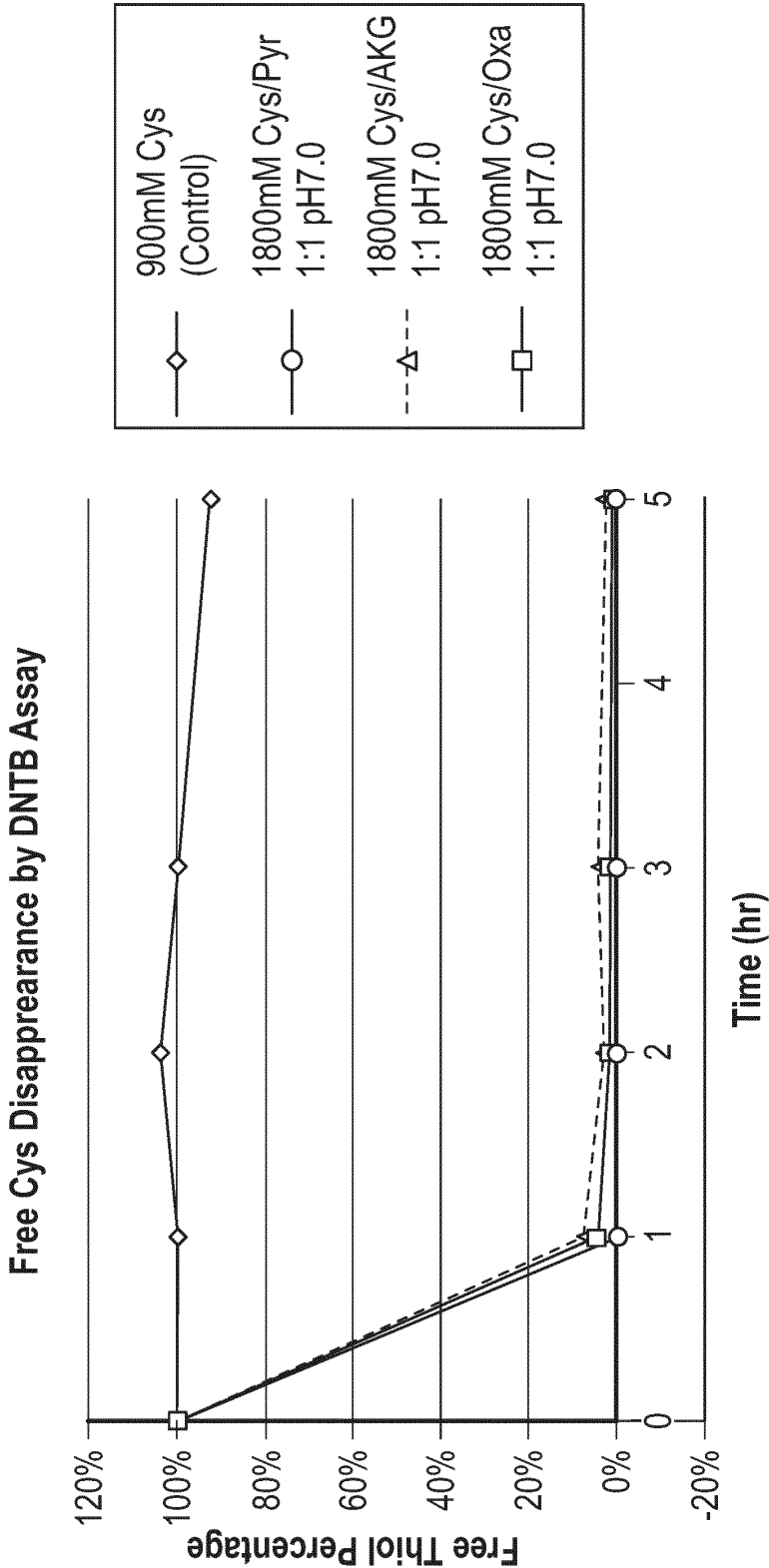


FIG. 3B

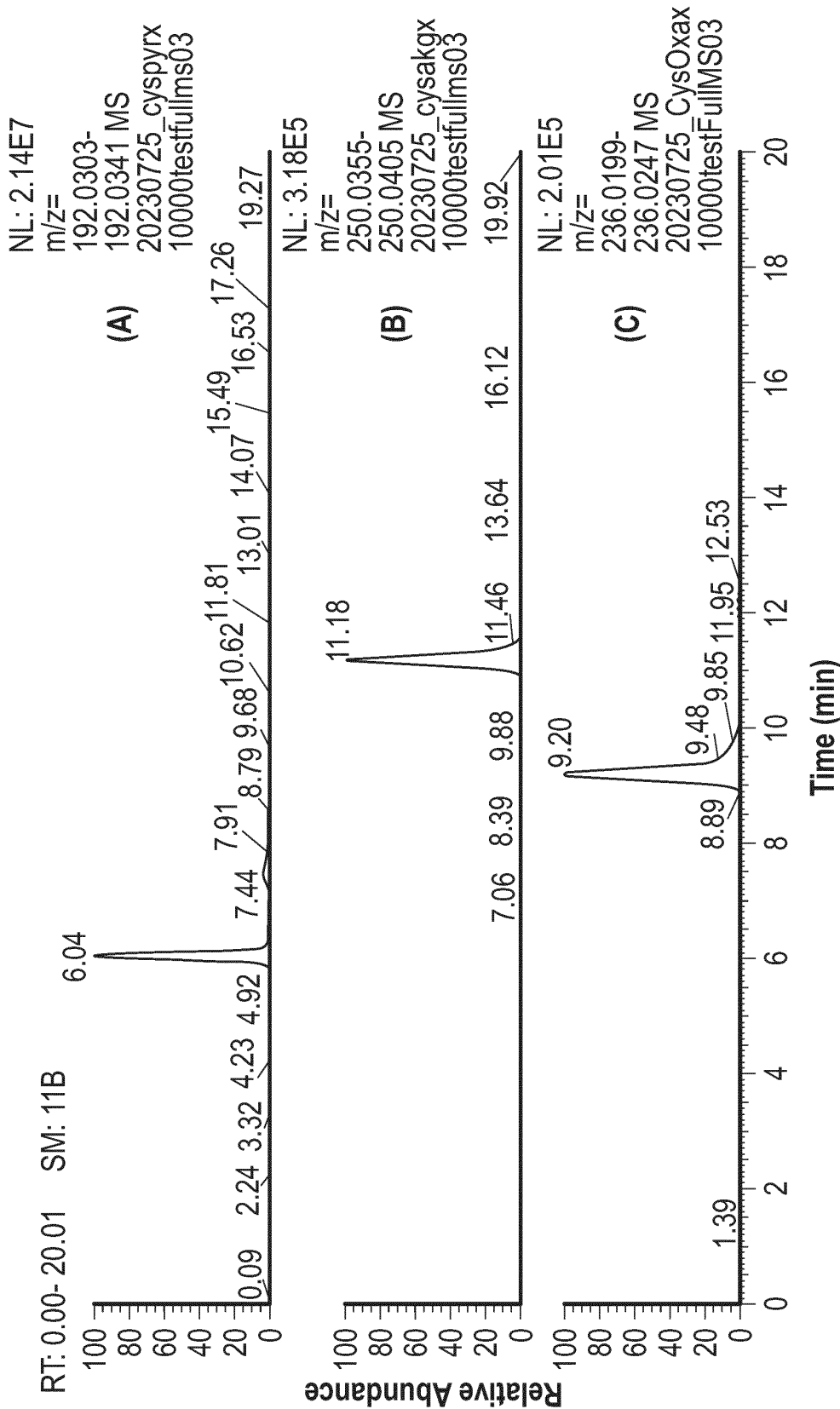
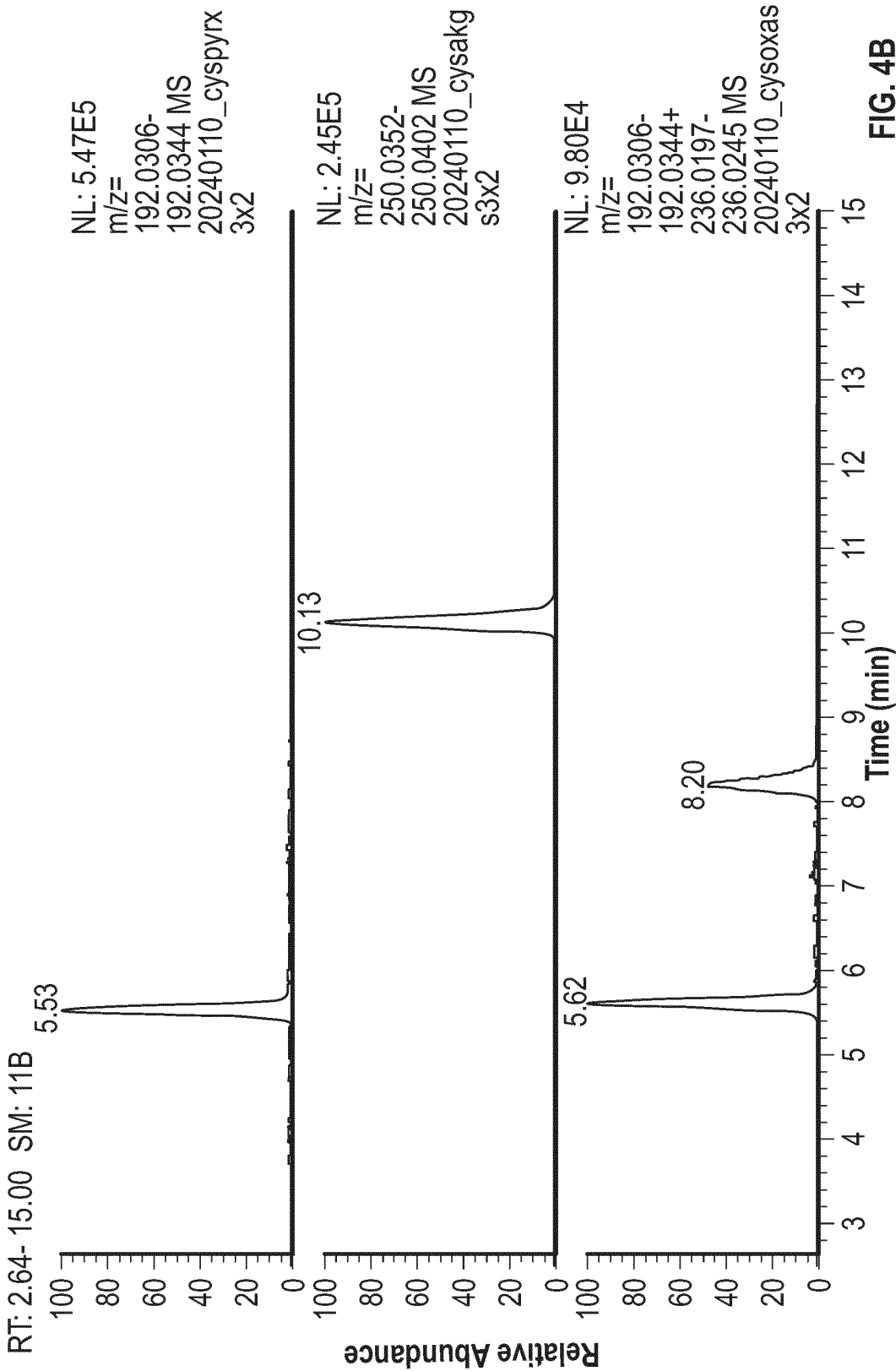
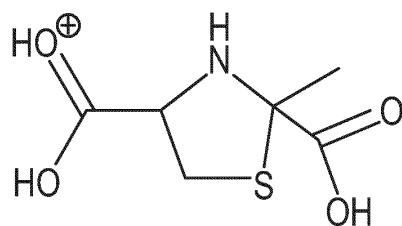


FIG. 4A

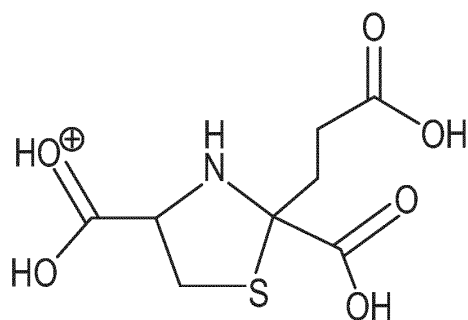


8/30

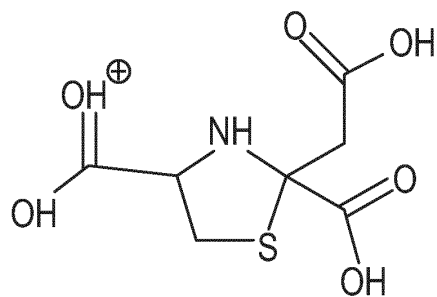
Chemical Formula: $C_6H_{10}NO_4S^+$

Exact Mass: 192.0325

m/z: 192.0326 (100.0%), 193.0359 (6.5%), 194.0283 (4.5%)

FIG. 5AChemical Formula: $C_8H_{12}NO_6S^+$

Exact Mass: 250.0380

m/z: 250.0380 (100.0%), 251.0414 (8.7%), 252.0338 (4.5%),
252.0423 (1.2%)**FIG. 5B**Chemical Formula: $C_7H_{10}NO_6S^+$

Exact Mass: 236.0223

m/z: 236.0224 (100.0%), 237.0257 (7.6%), 238.0182 (4.5%),
238.0266 (1.2%)**FIG. 5C**

20230725_CysPyrx10000testFullIMS03 #823-847 RT: 5.98-6.12 AV: 25 SB: 1242 1.08-5.28, 7.07-11.31 NL: 1.53E7
T: FTMS + p ESI Full ms [60.0000-900.0000]

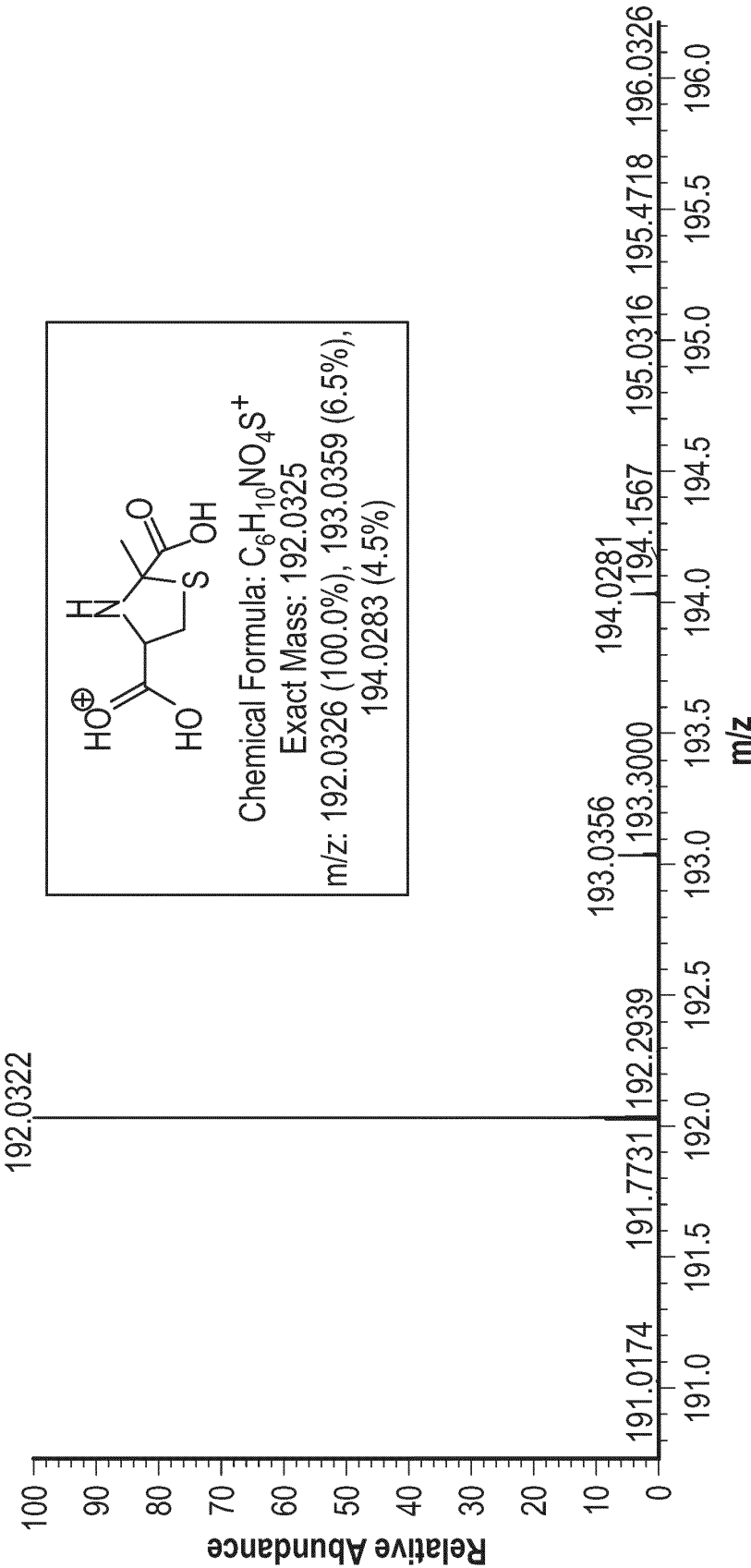


FIG. 6

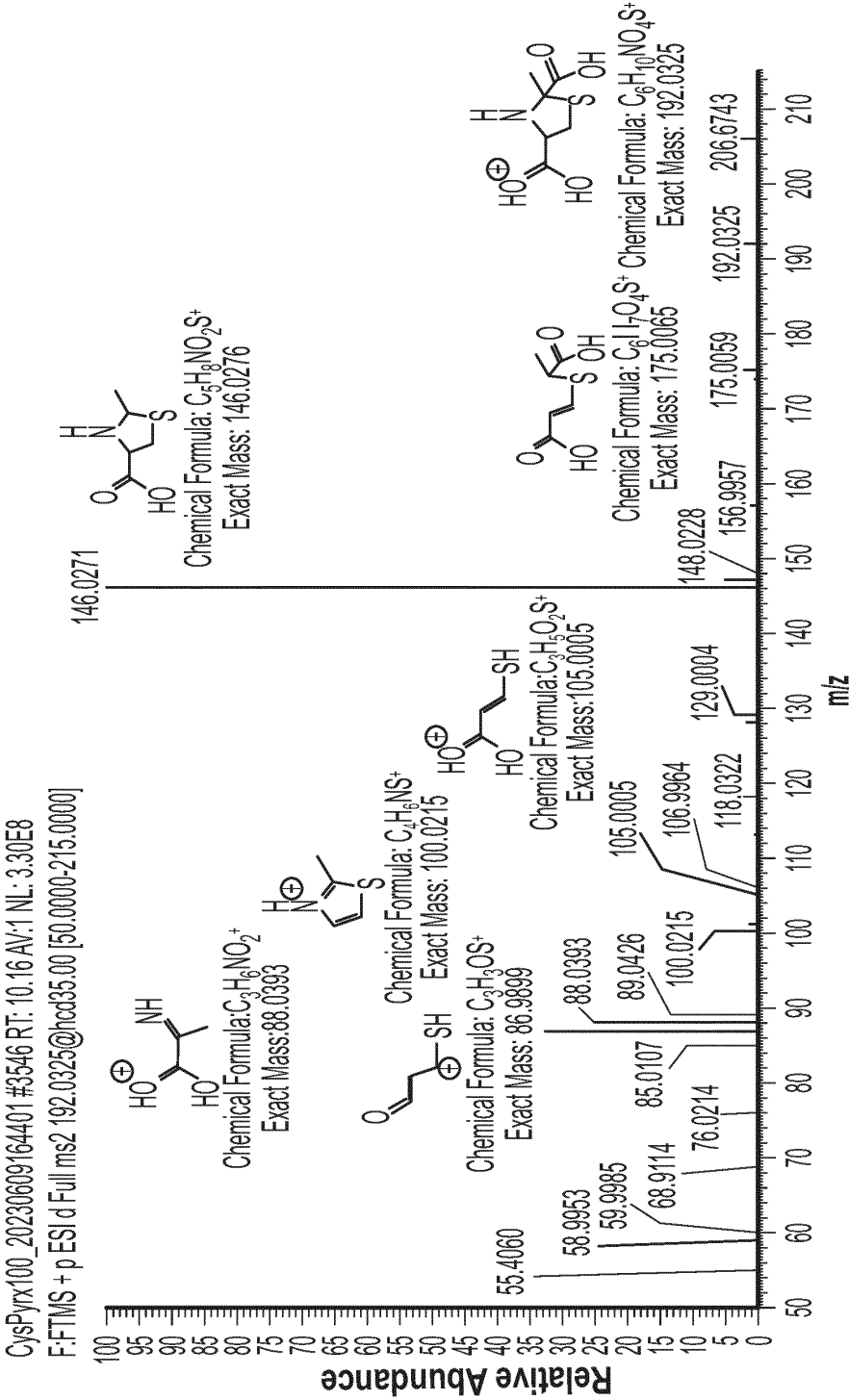


FIG. 7A

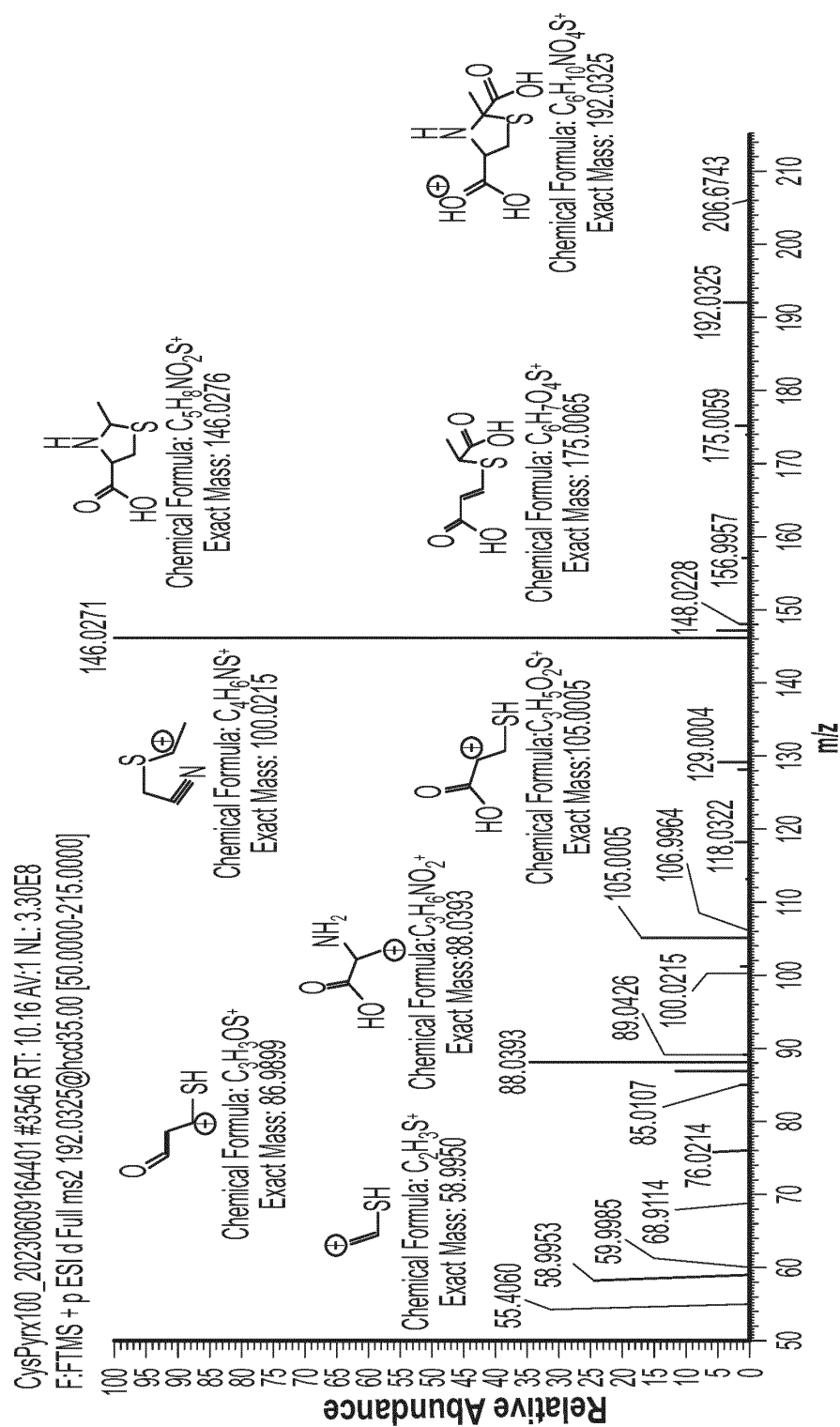


FIG. 7B

20230725_CysAKGx10000testFullIMS03 #1715-1740 RT: 11.14-11.29 AV: 26 SB: 611 8.55-10.58, 12.35-13.88 NL: 2.33E5
T: FTMS + p ESI Full ms [60.0000-900.0000]

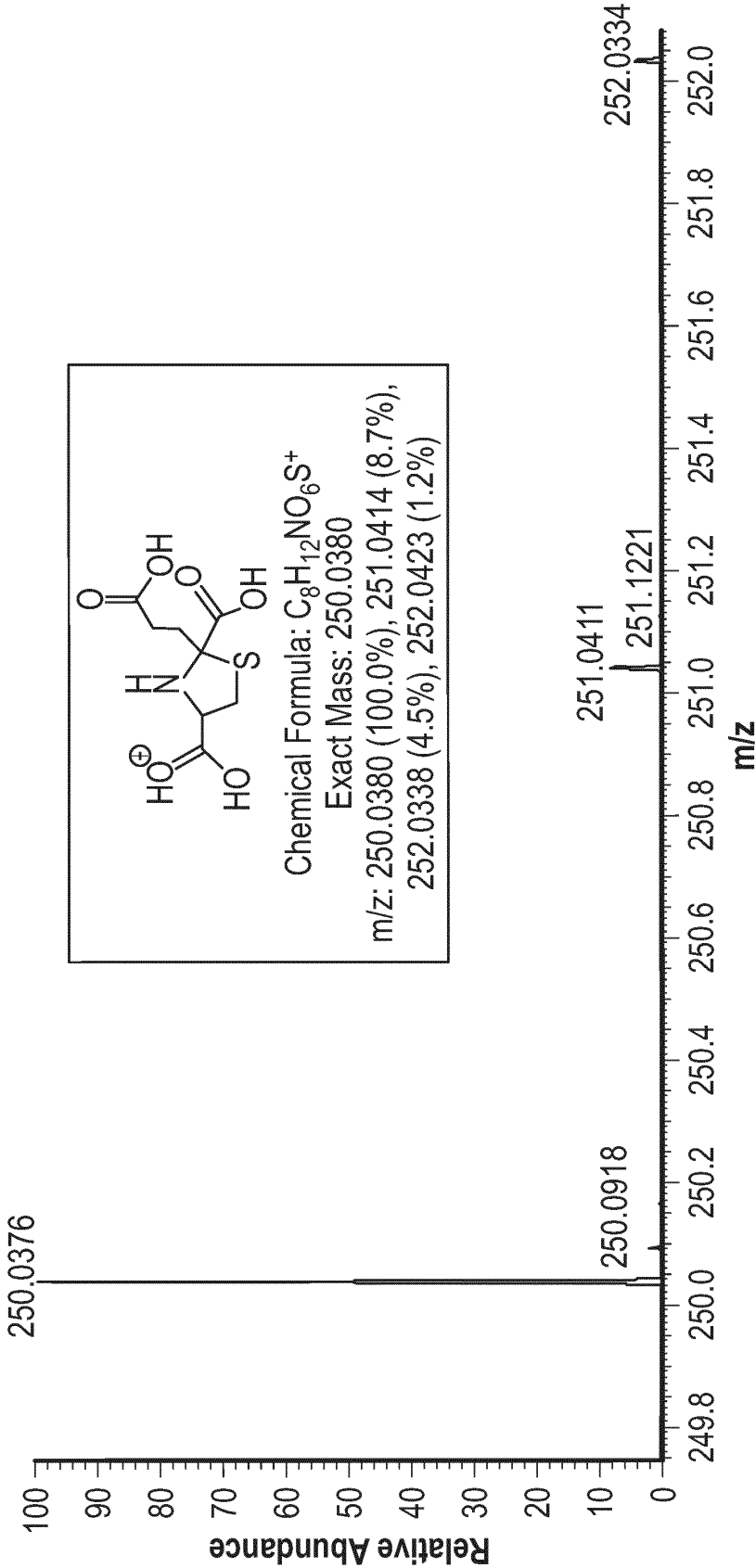


FIG. 8

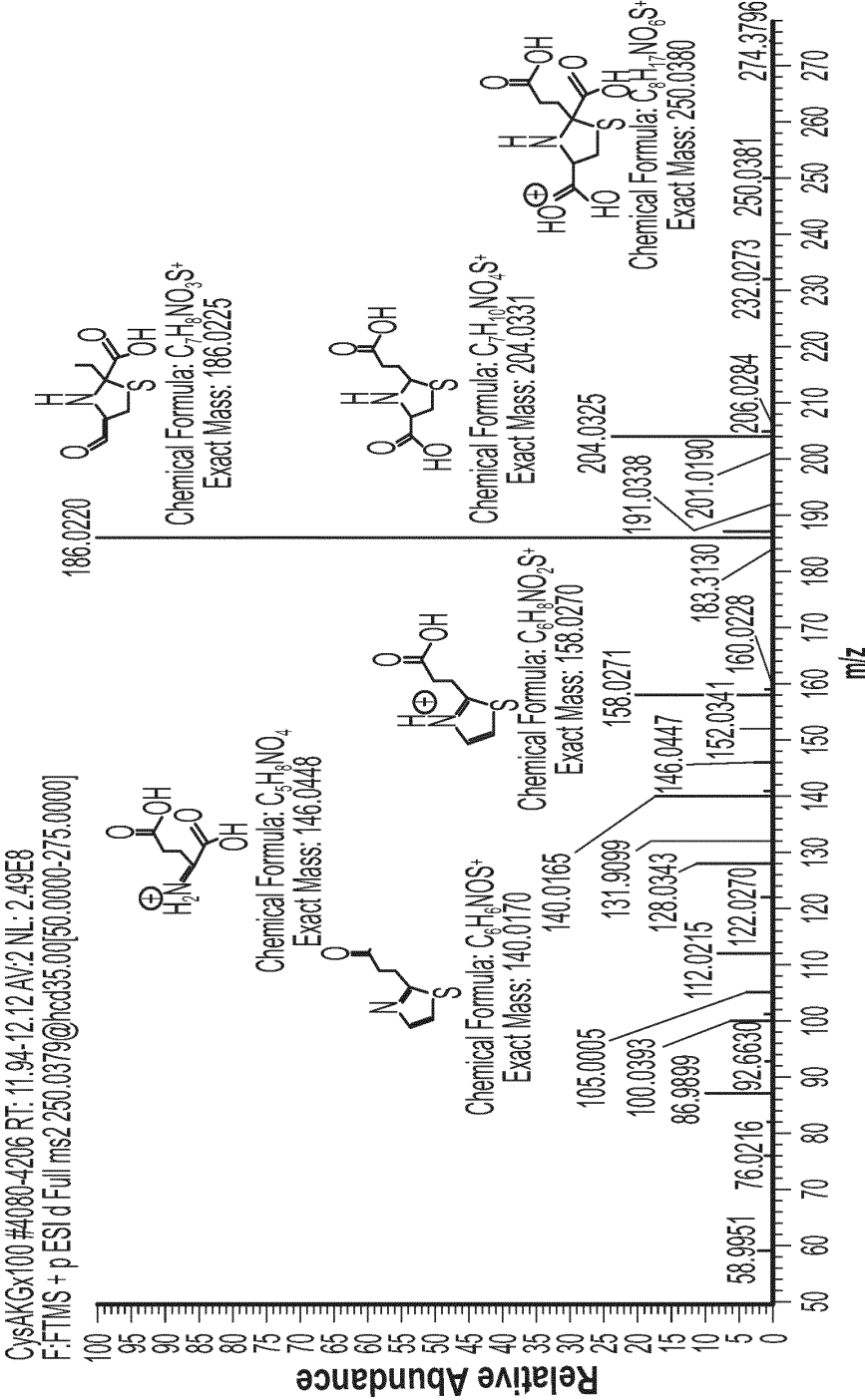


FIG. 9A

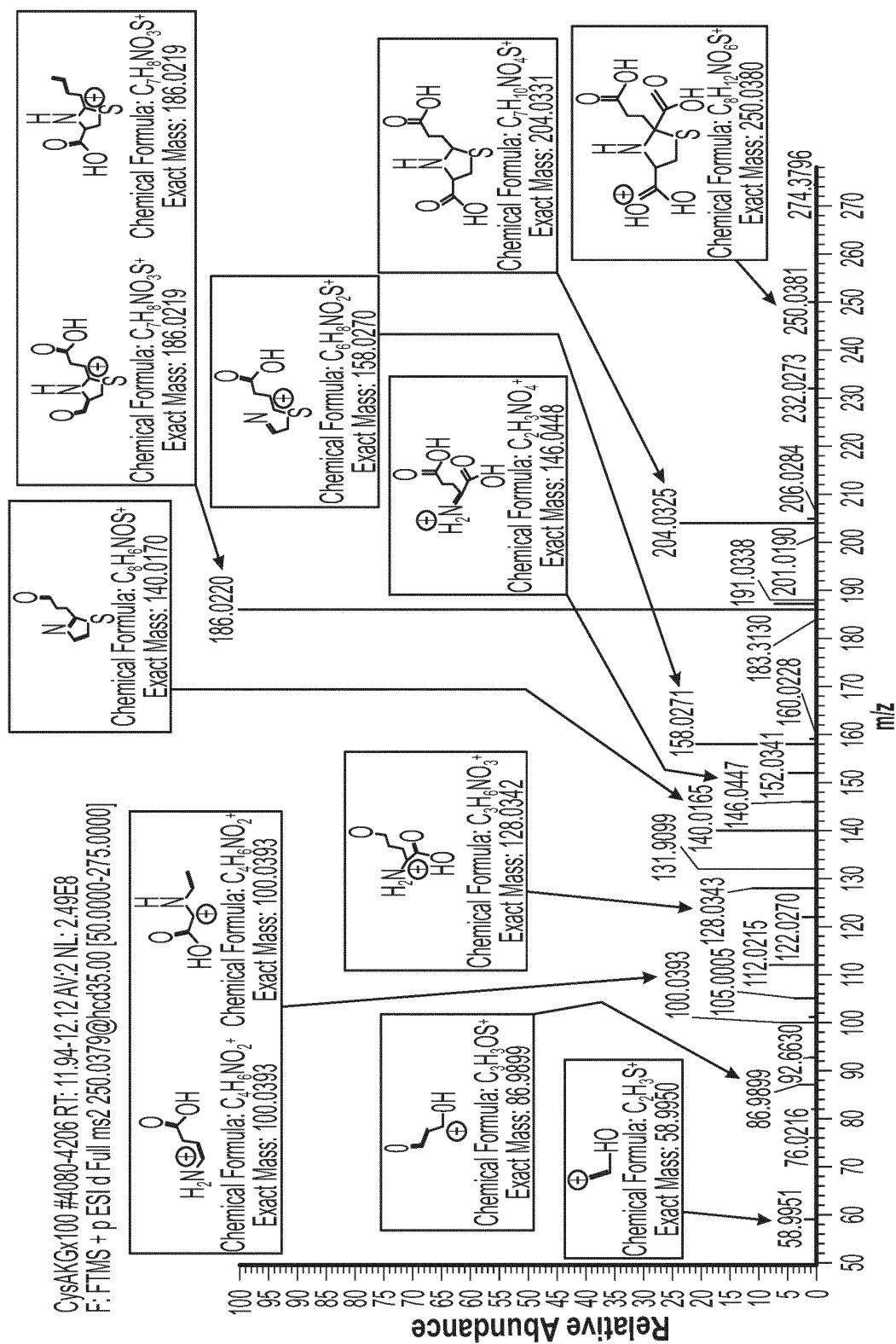


FIG. 9B

20230725_CysOxax10000testFullIMS03 # 1448-1461 RT: 9.17-9.25 AV: 14 SB: 1415 4.33-8.24, 11.53-15.76 NL: 1.75E5
T: FTMS + p ESI Full ms [60.0000-900.0000]

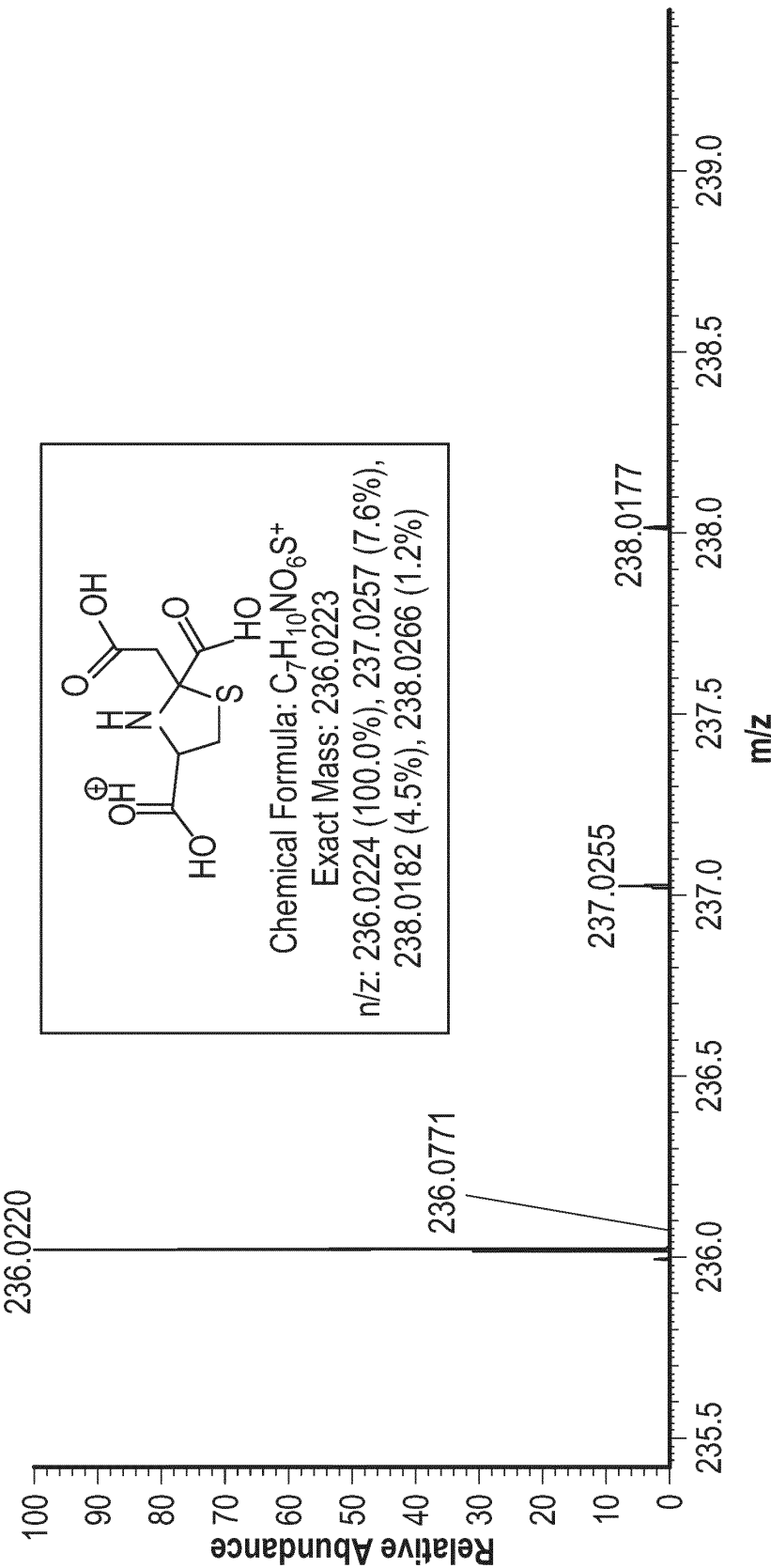


FIG. 10

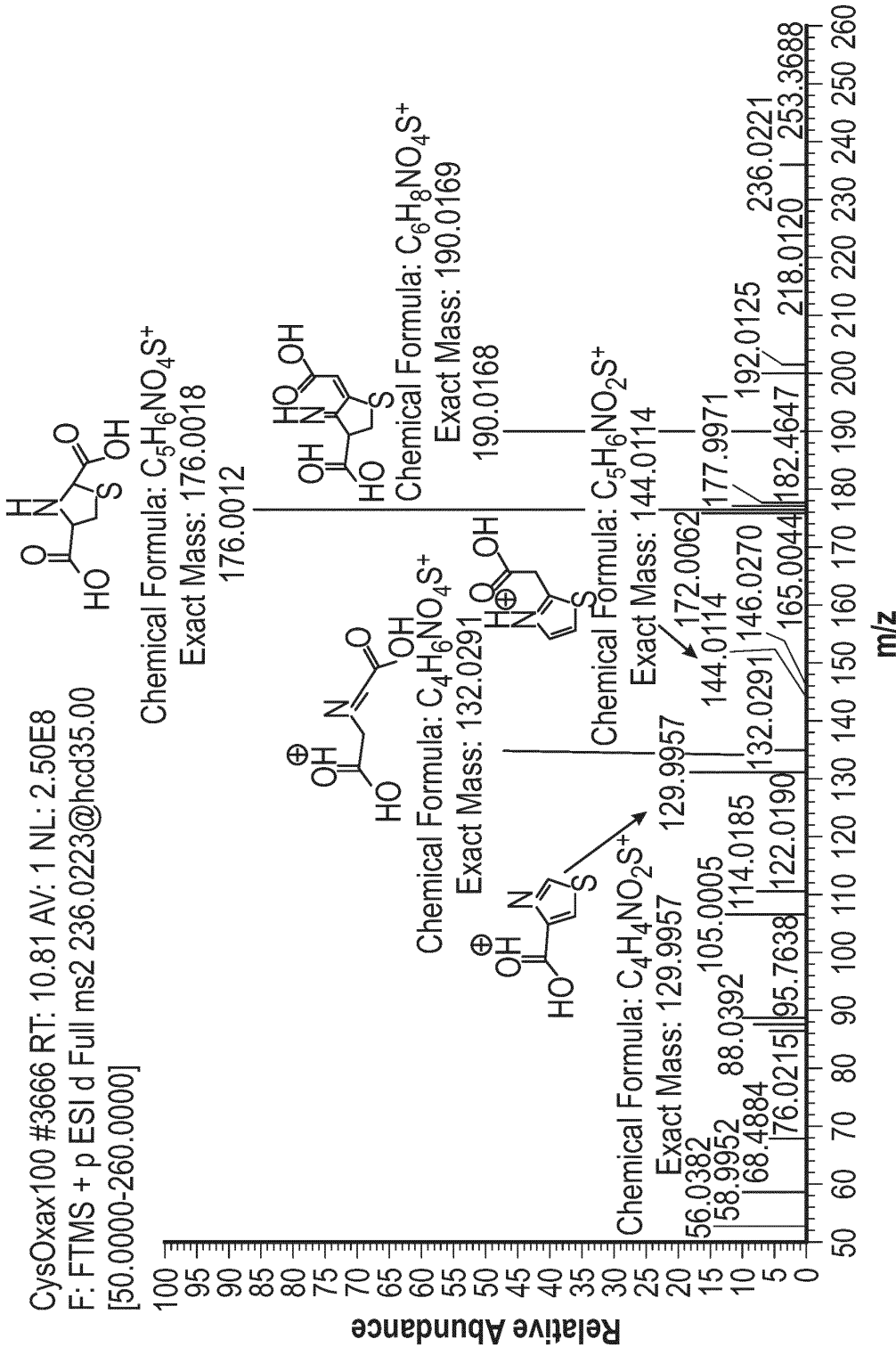


FIG. 11A

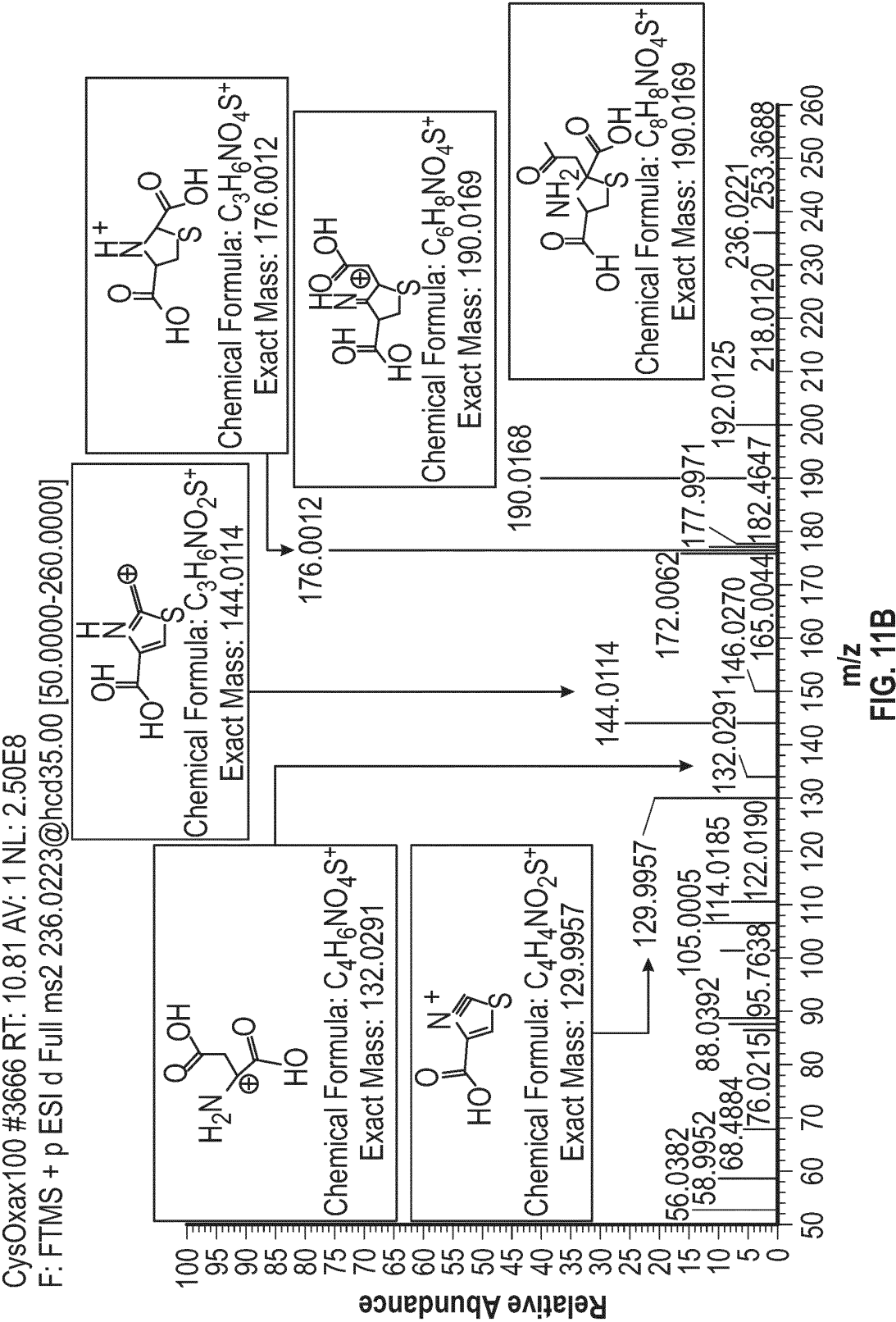


FIG. 11B

18/30

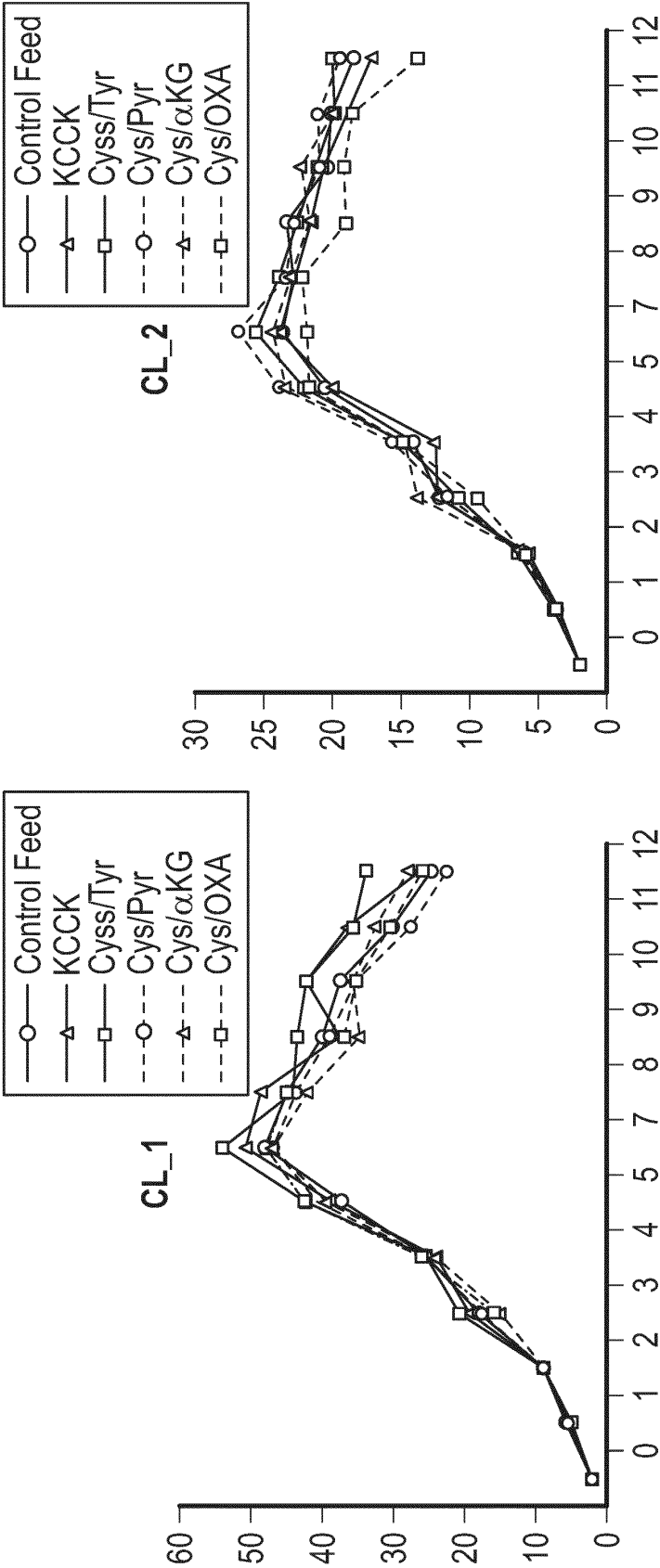


FIG. 12

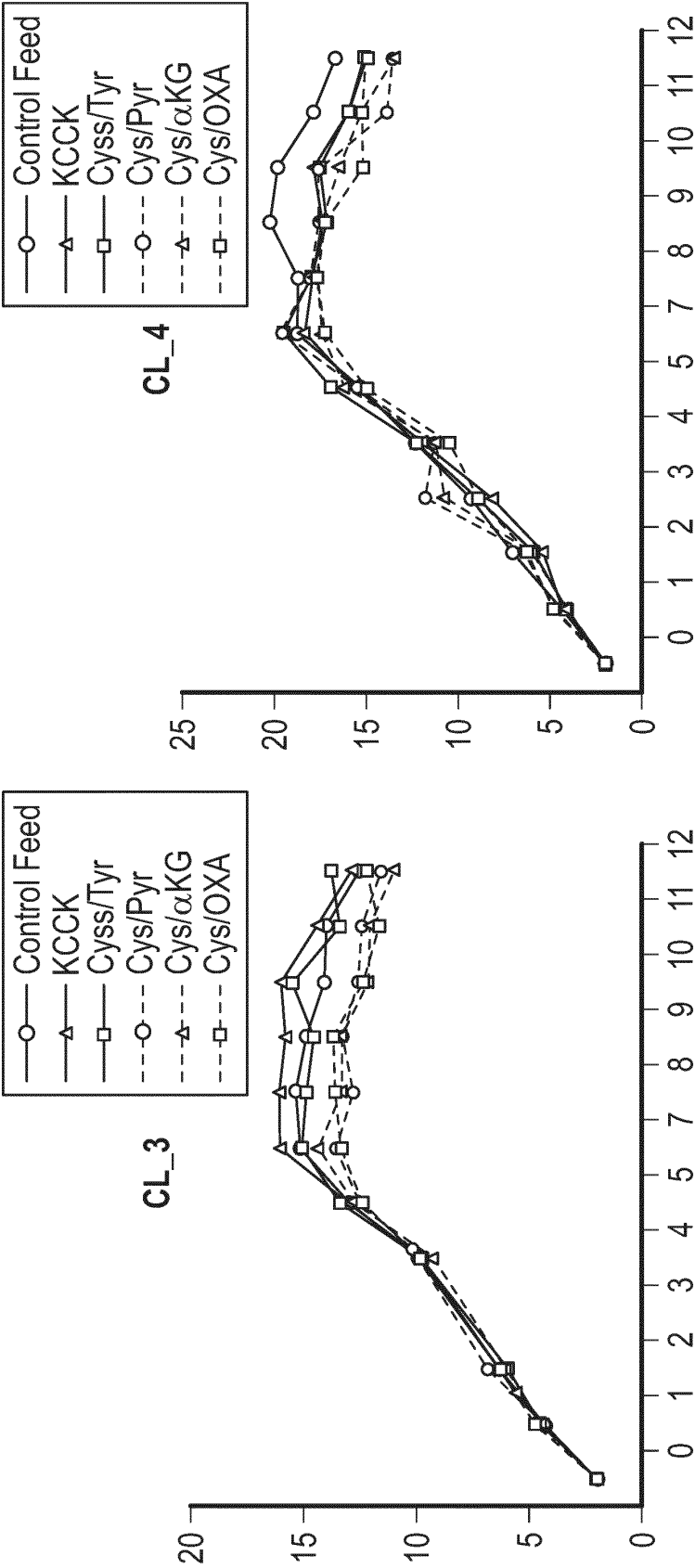


FIG. 12(Continued)

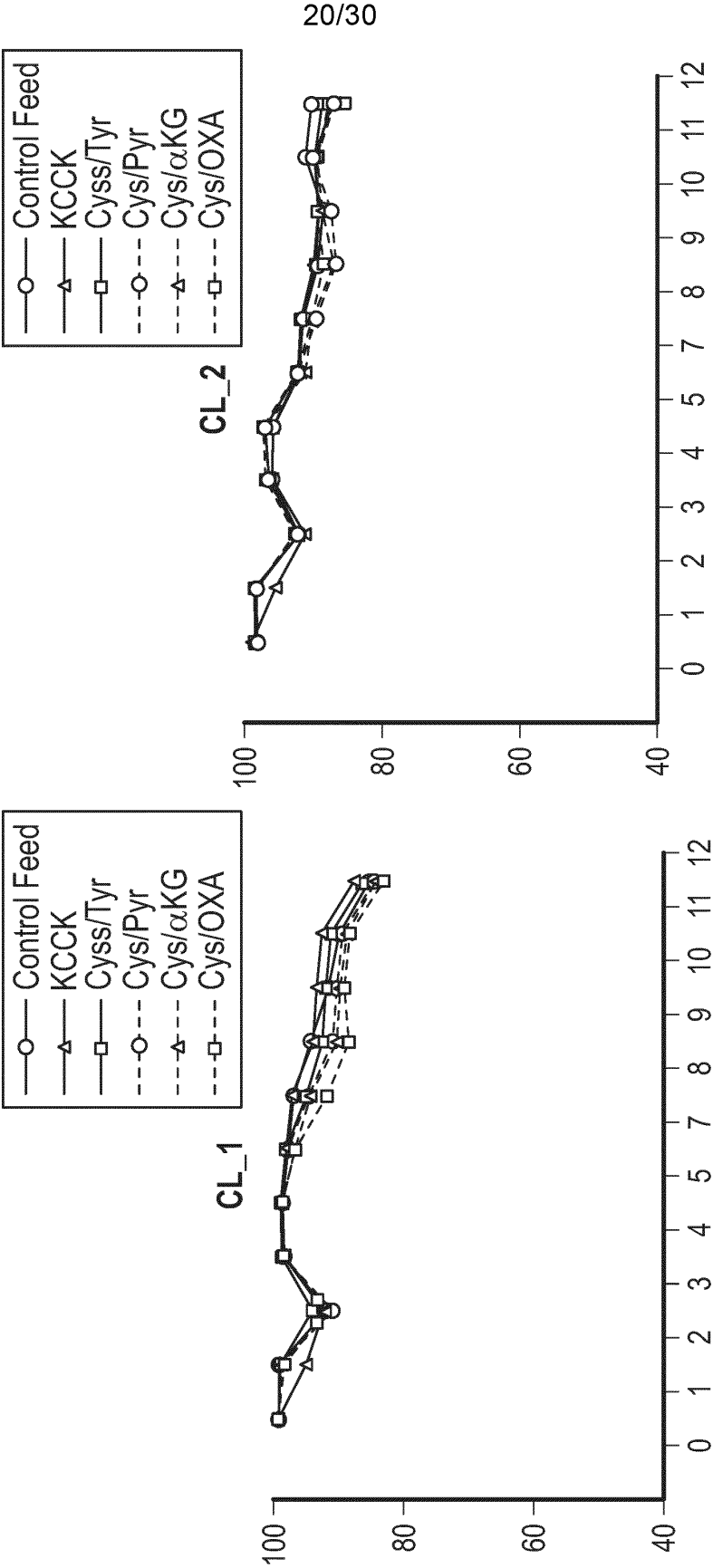


FIG. 13

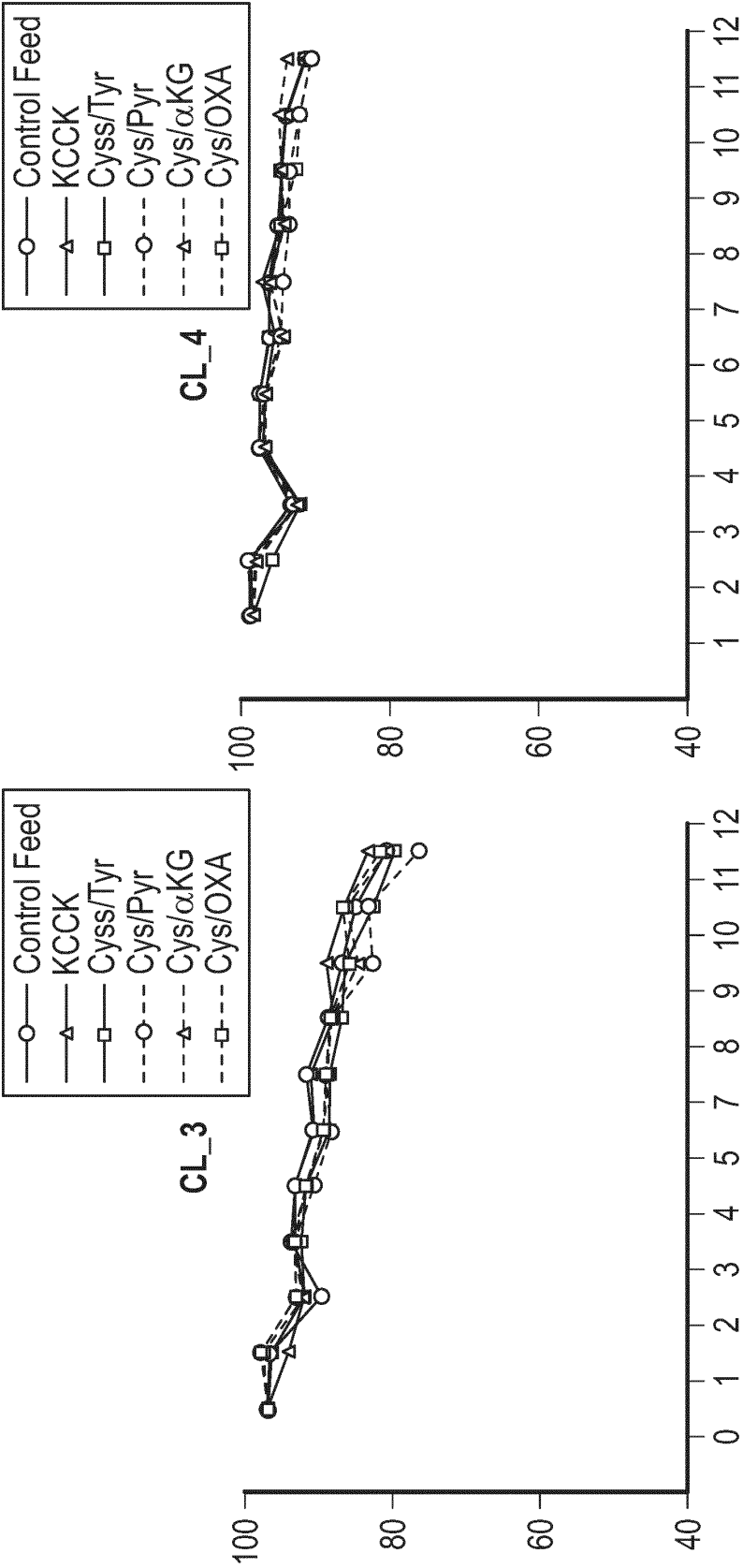


FIG. 13(Continued)

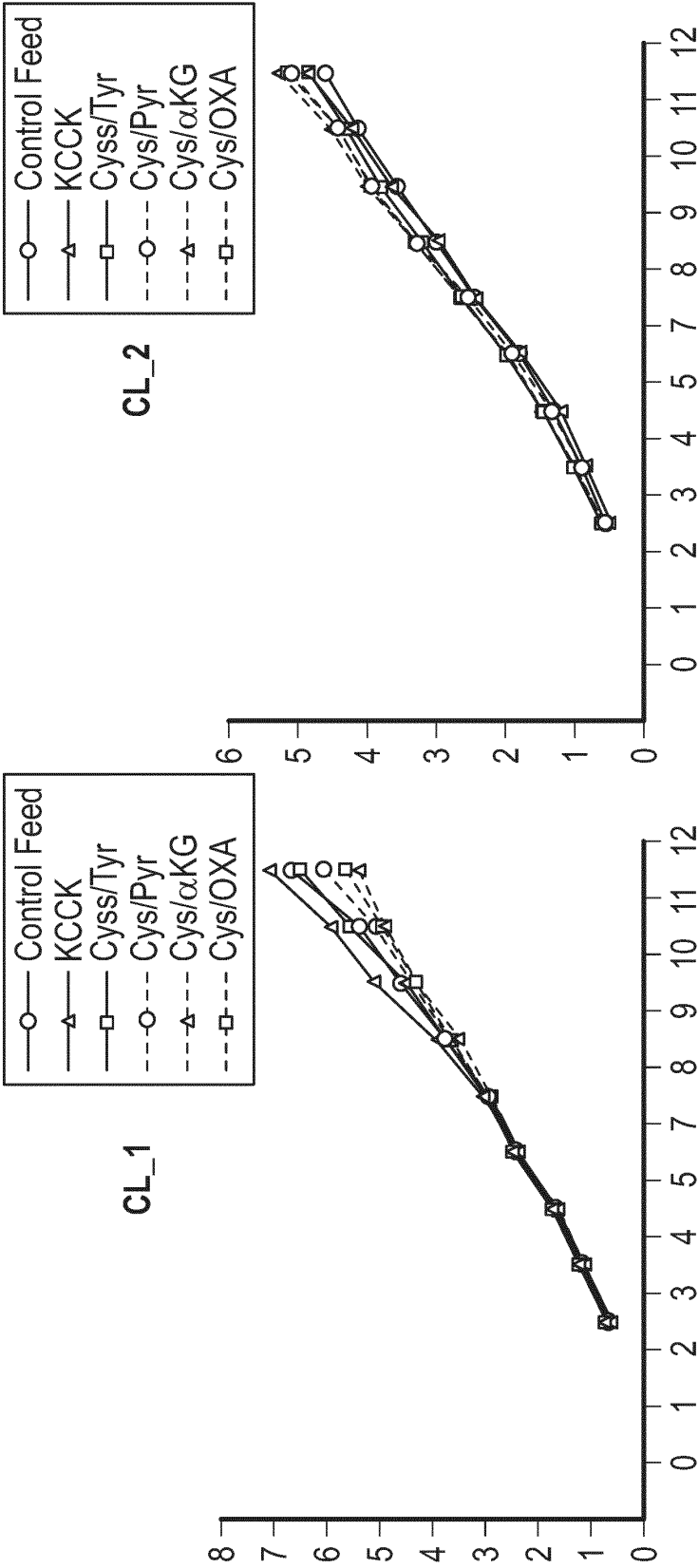


FIG. 14

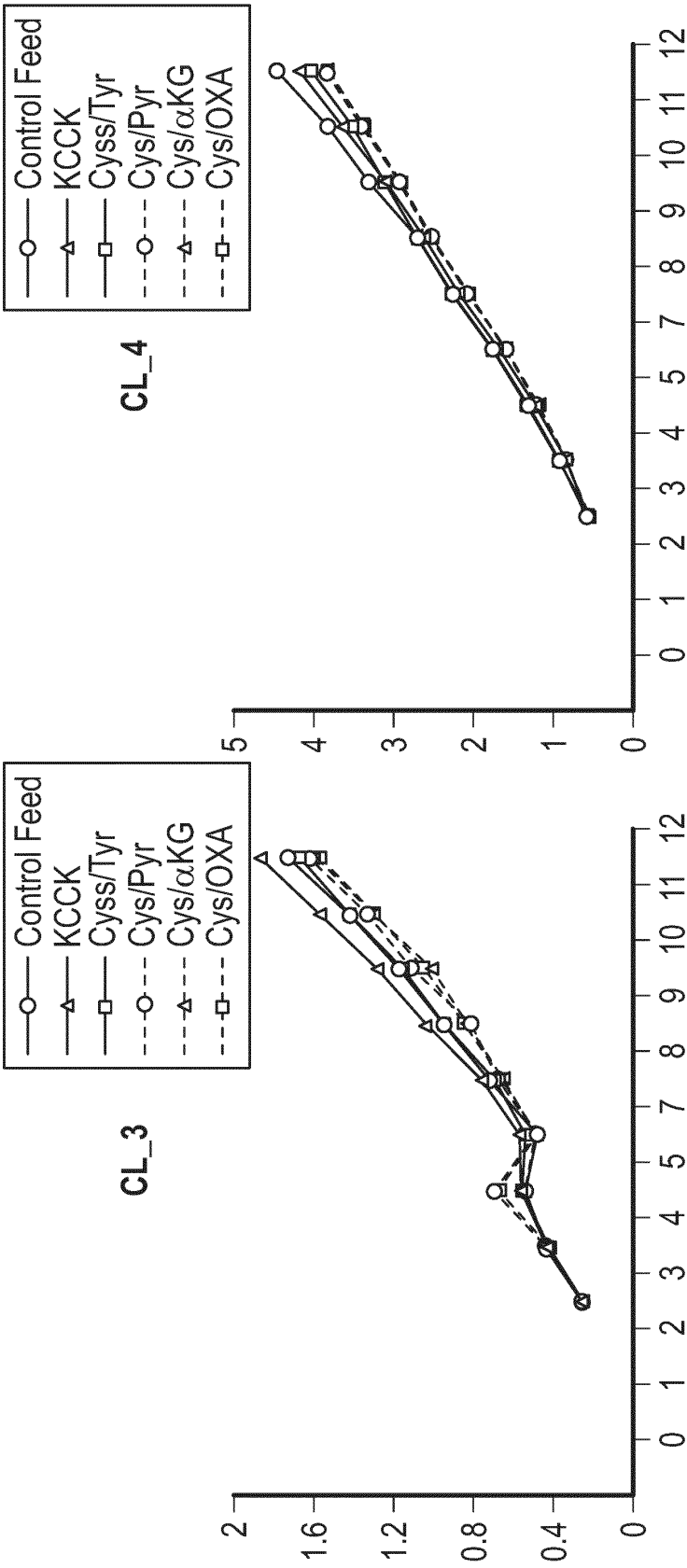


FIG. 14(Continued)

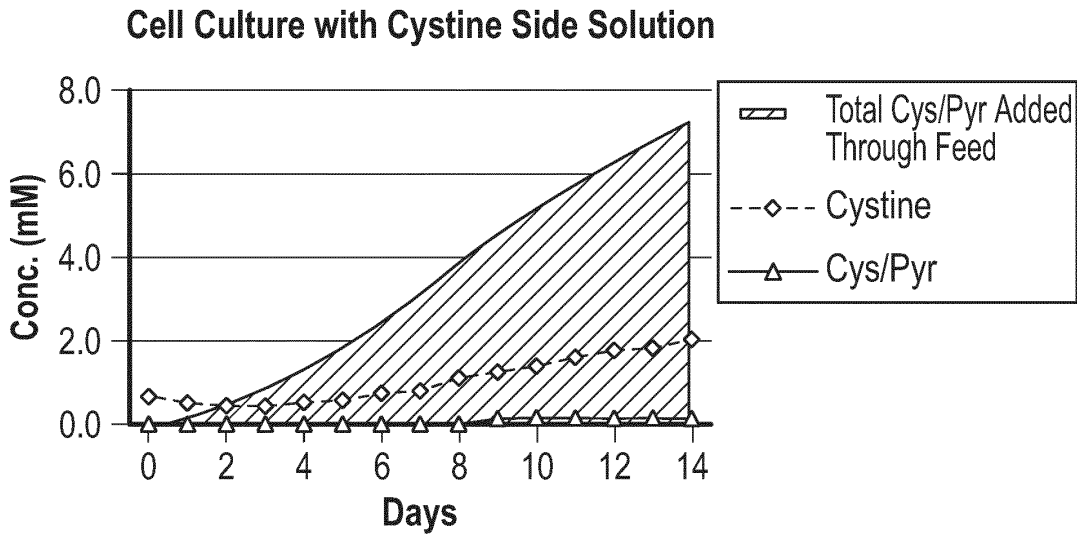


FIG. 15A

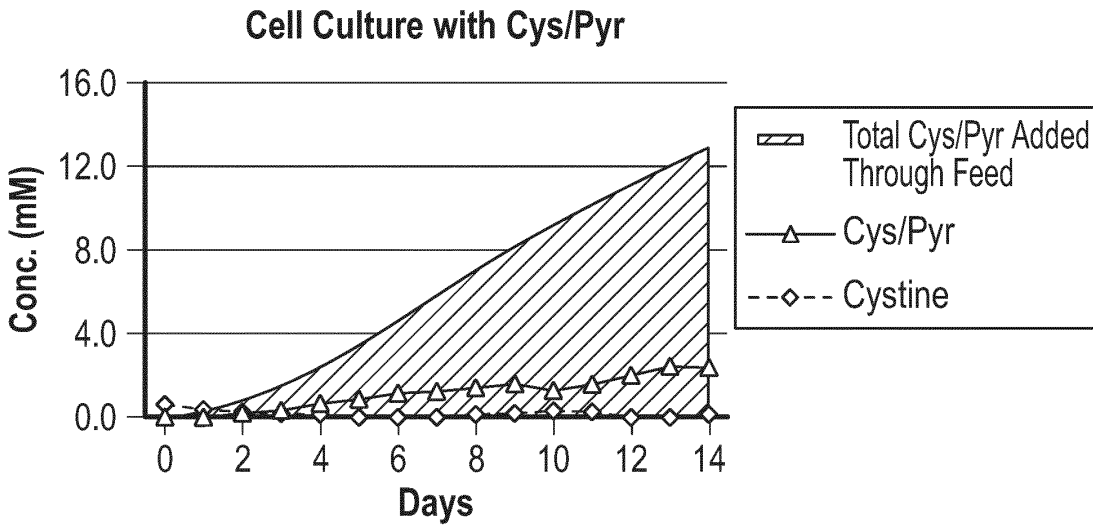


FIG. 15B

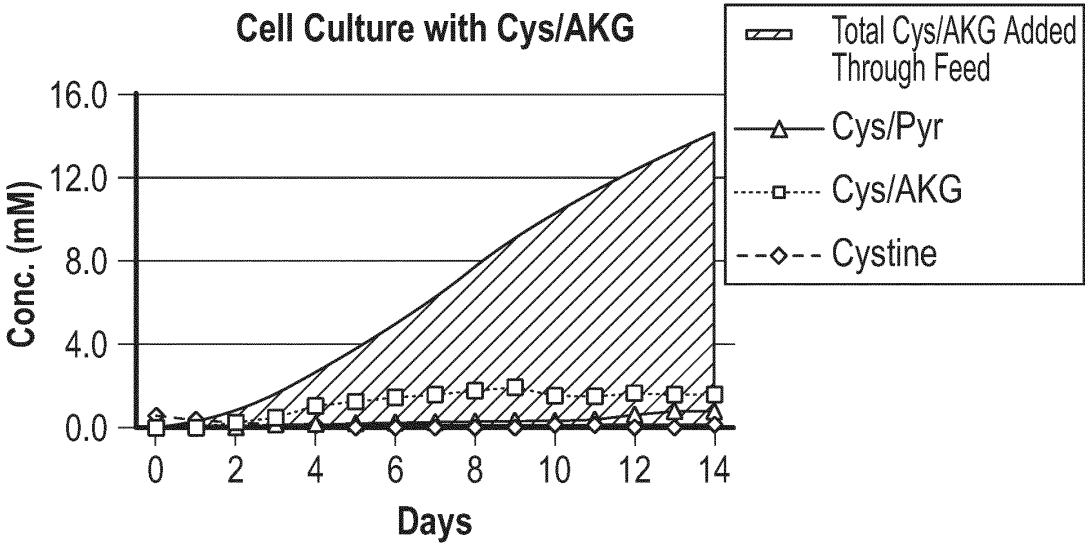


FIG. 15C

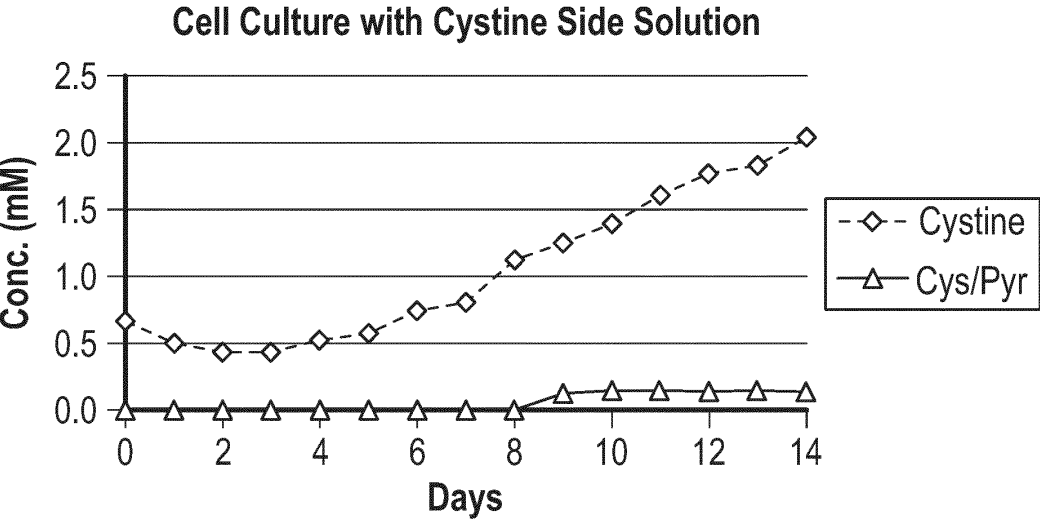


FIG. 15D

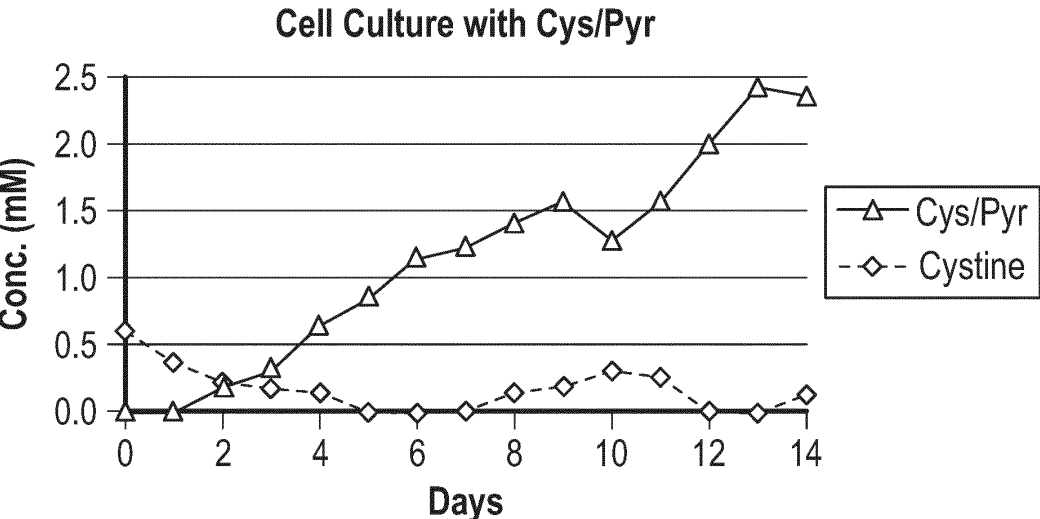


FIG. 15E

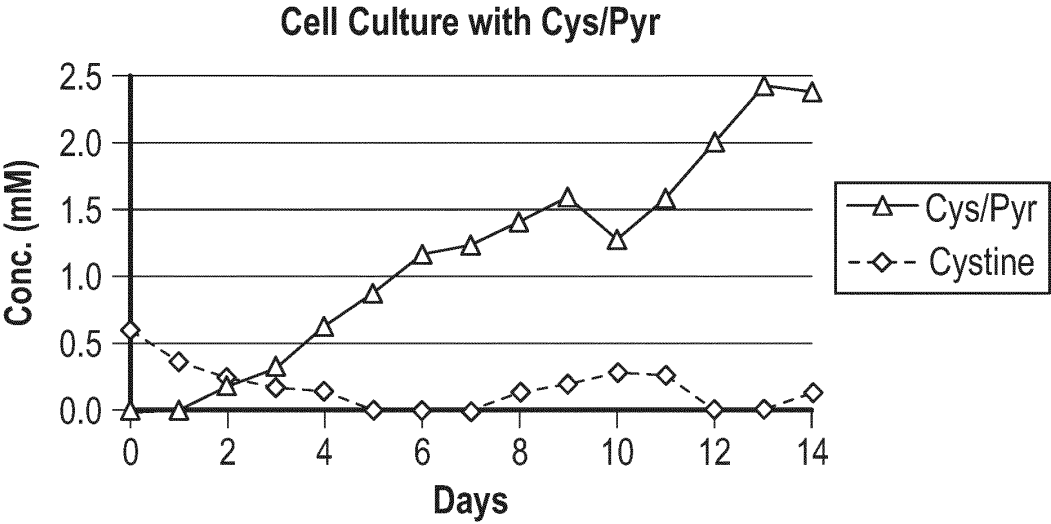


FIG. 15F

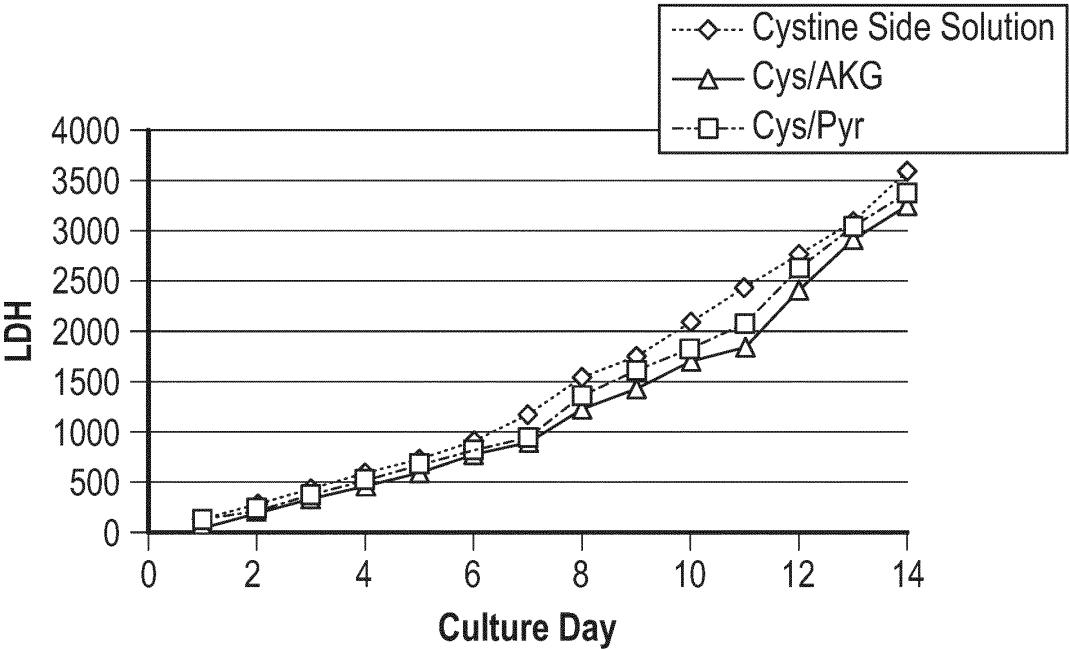


FIG. 16A

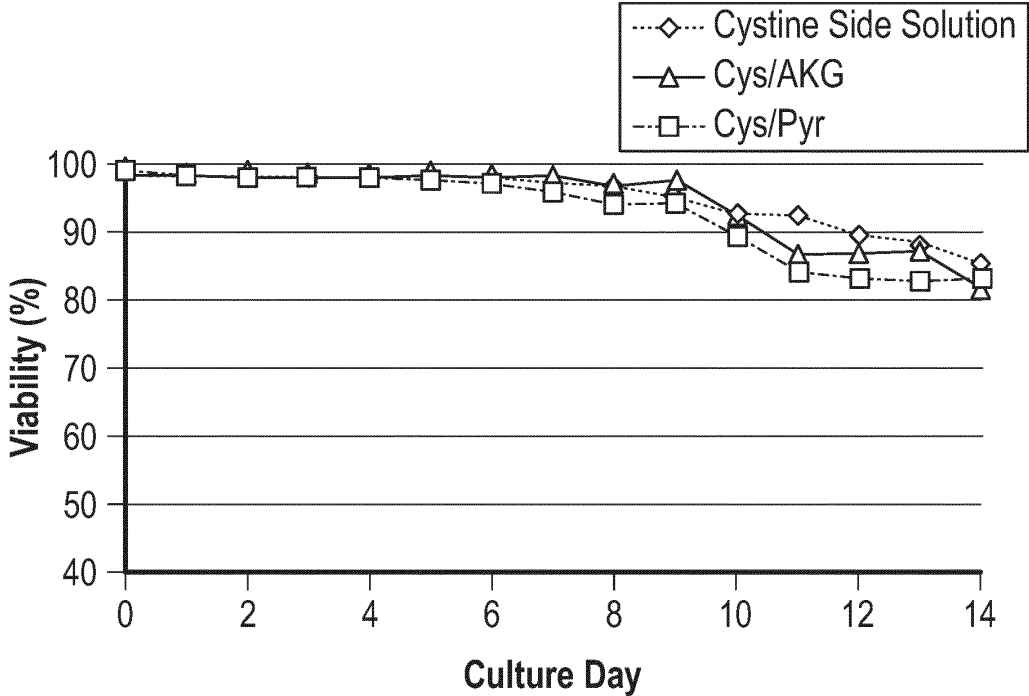


FIG. 16B

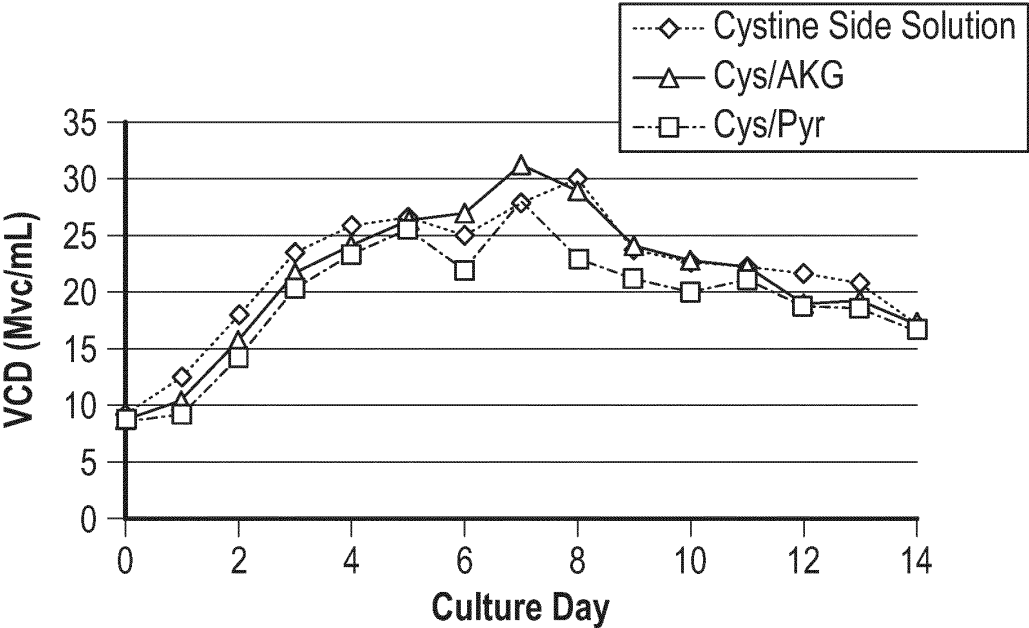


FIG. 16C

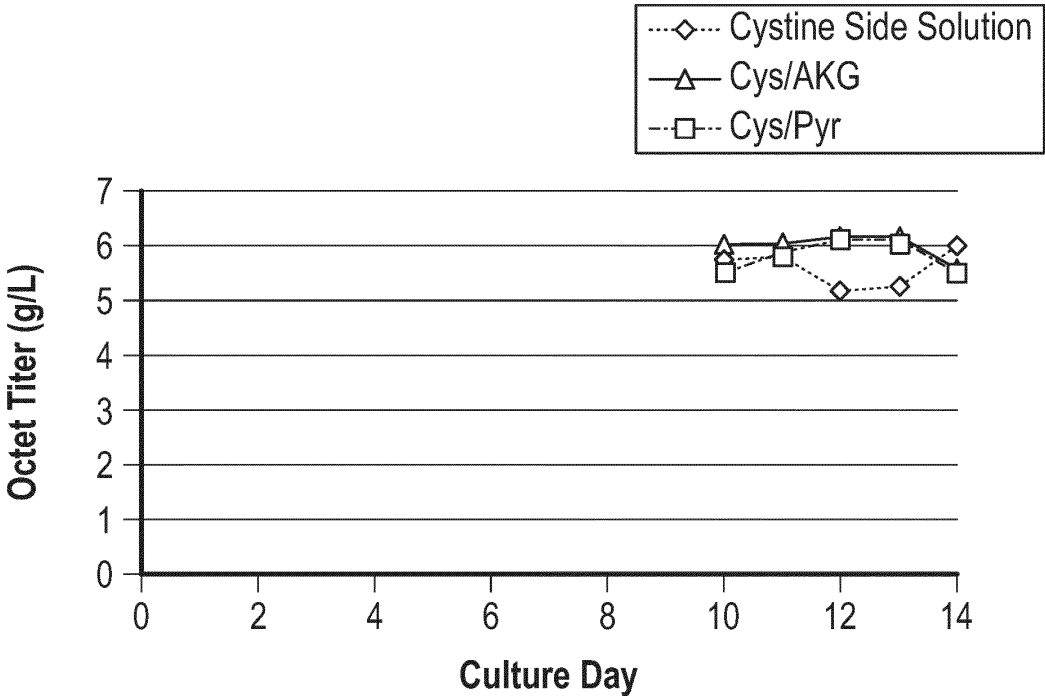


FIG. 16D

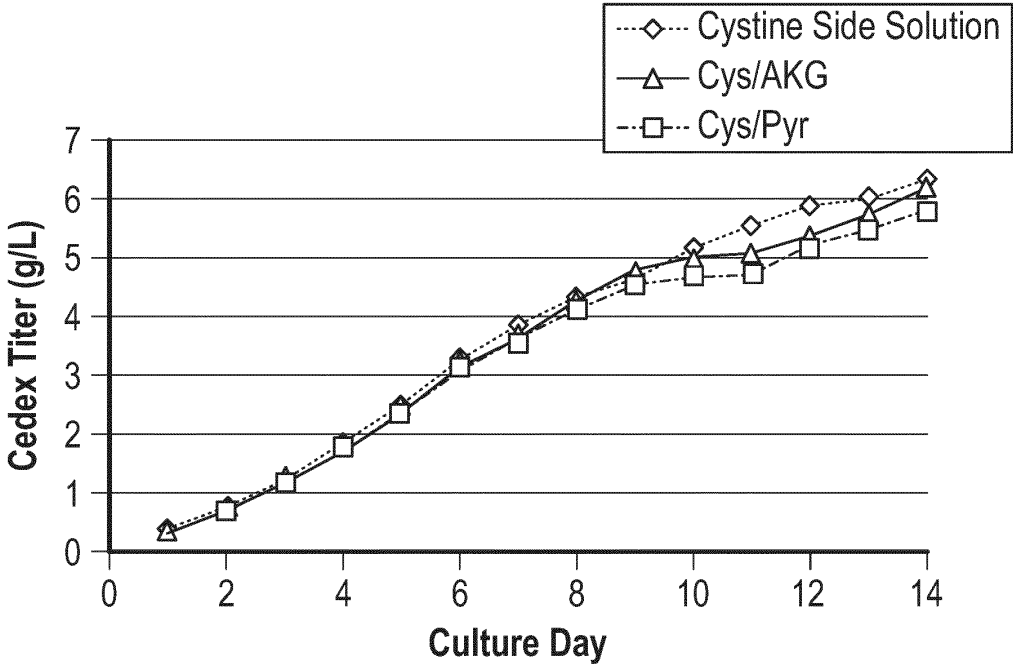


FIG. 16E

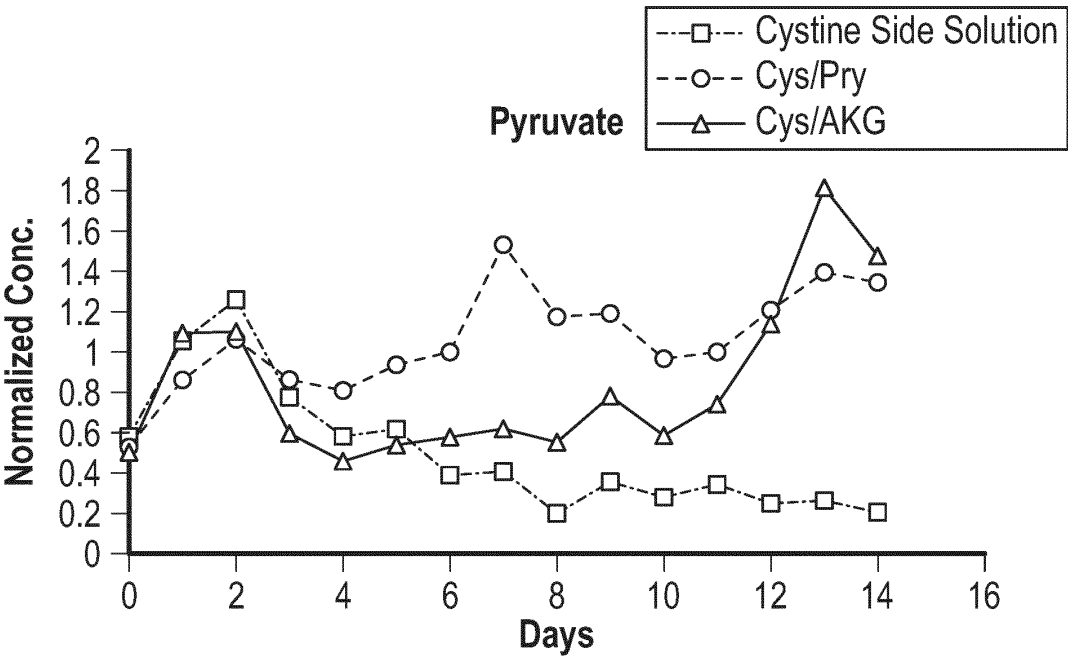


FIG. 17A

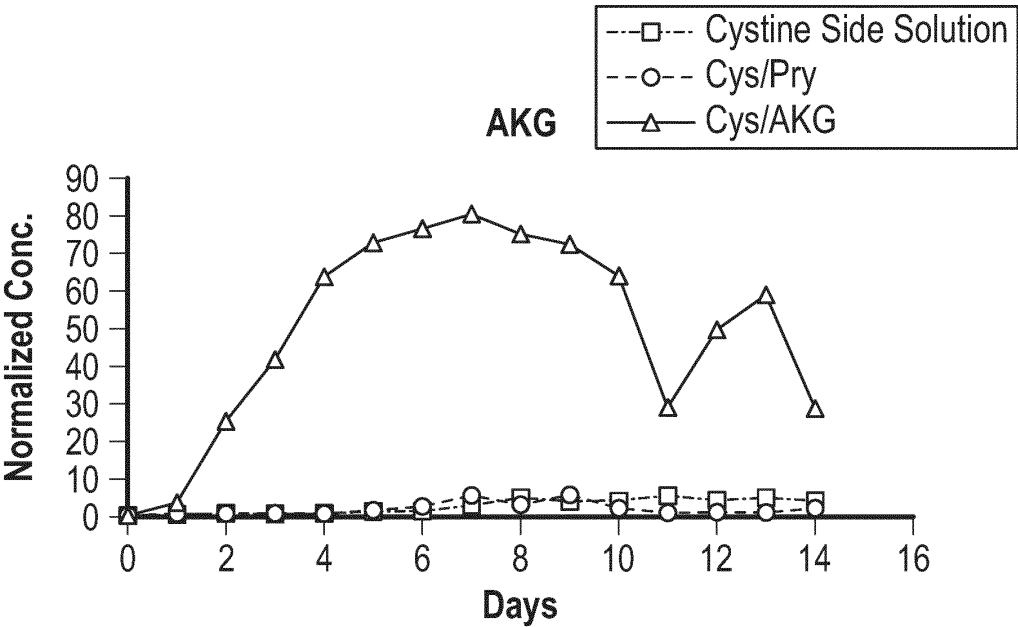


FIG. 17B