

Affected Sheep Bone Marrow Cells

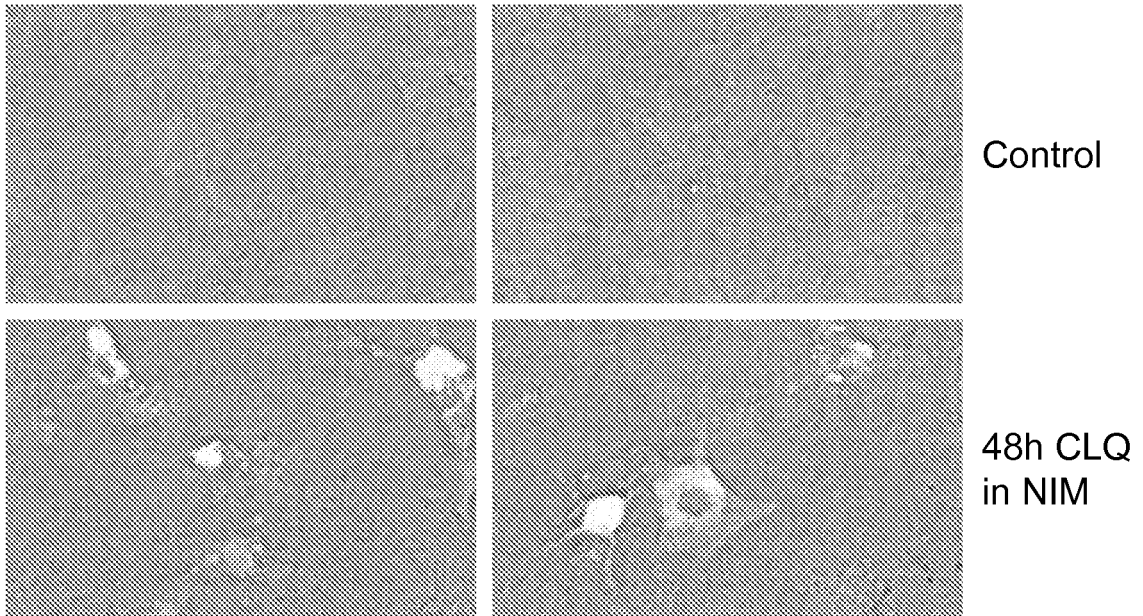


FIG.1A

Normal Sheep Bone Marrow Cells

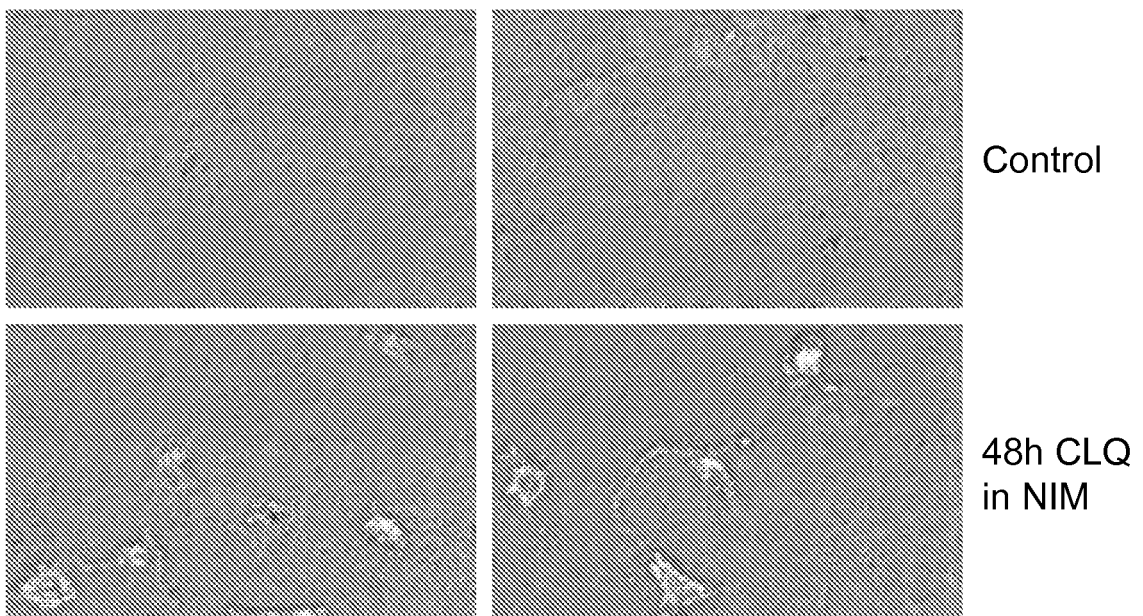
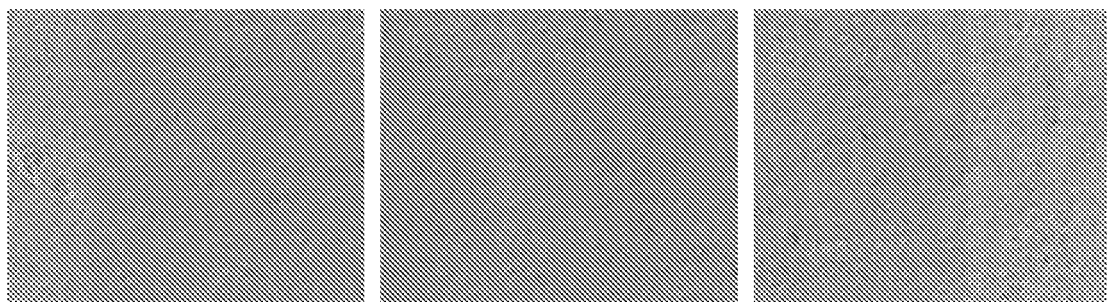


FIG.1B

Normal Human Bone Marrow cells

Control



CLQ in MEM for 48 hours

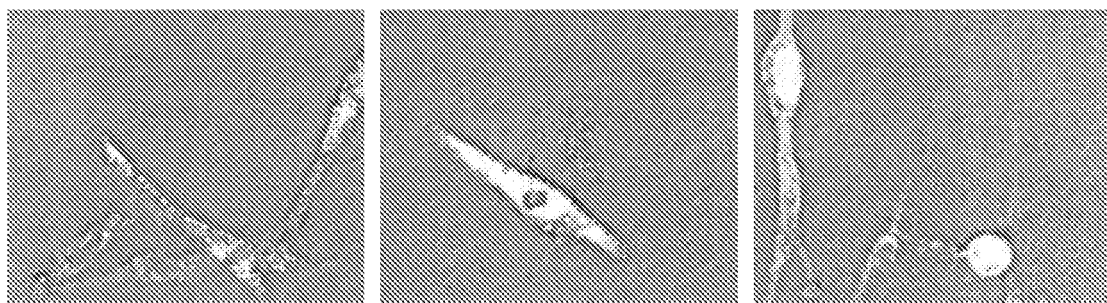


FIG.2

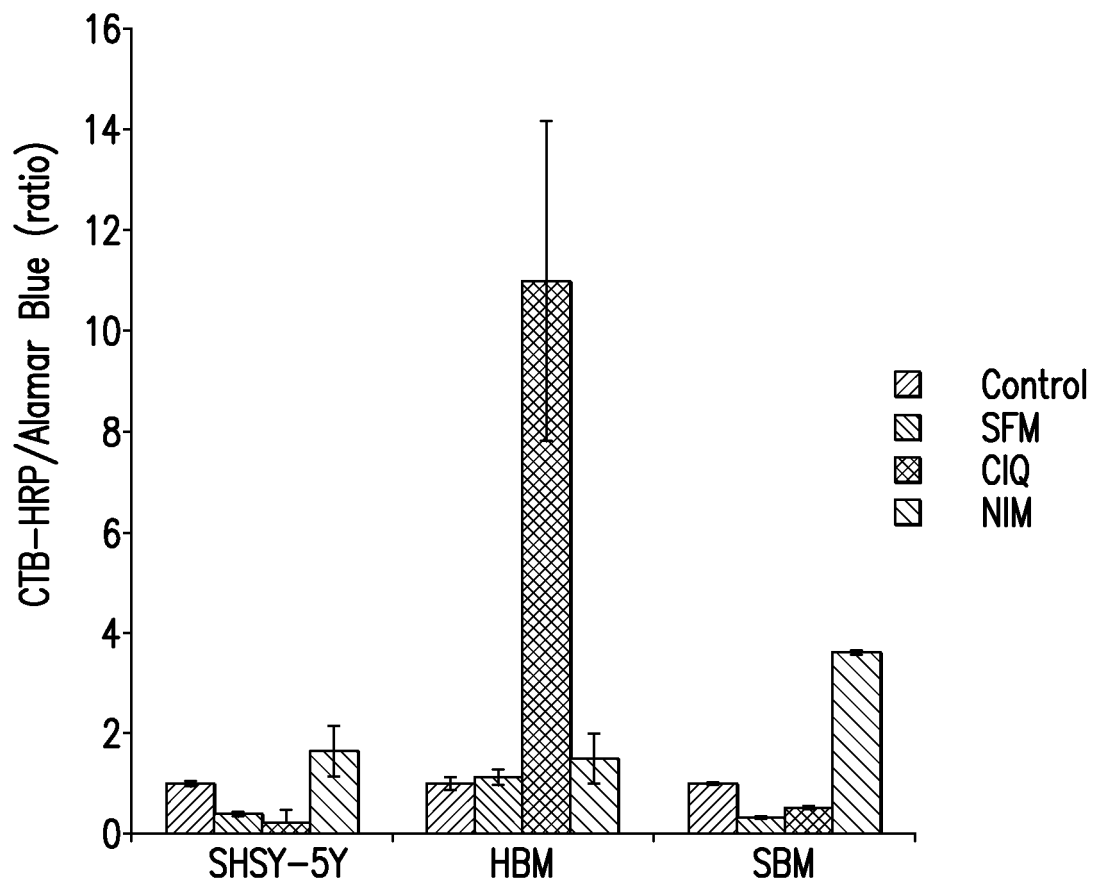


FIG.3

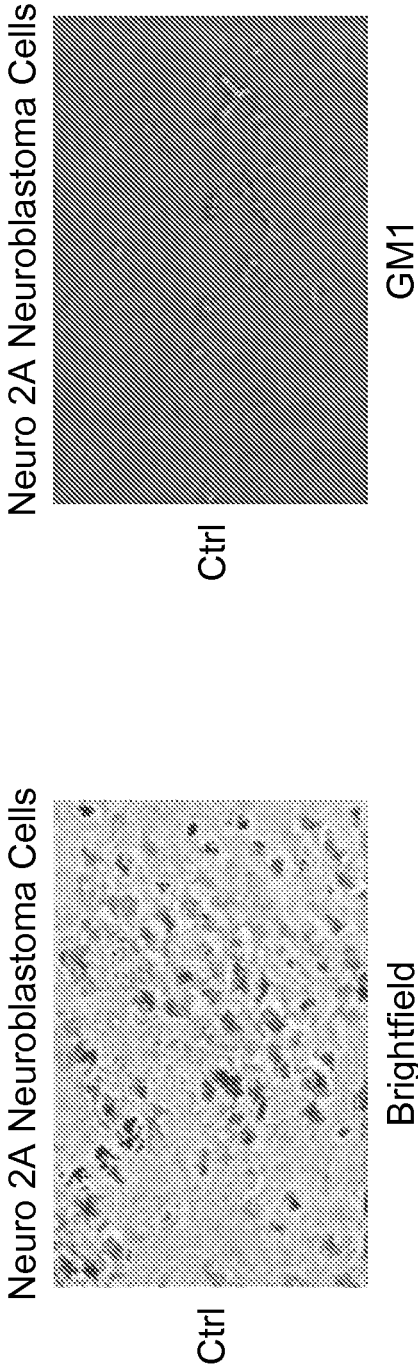


FIG.4A

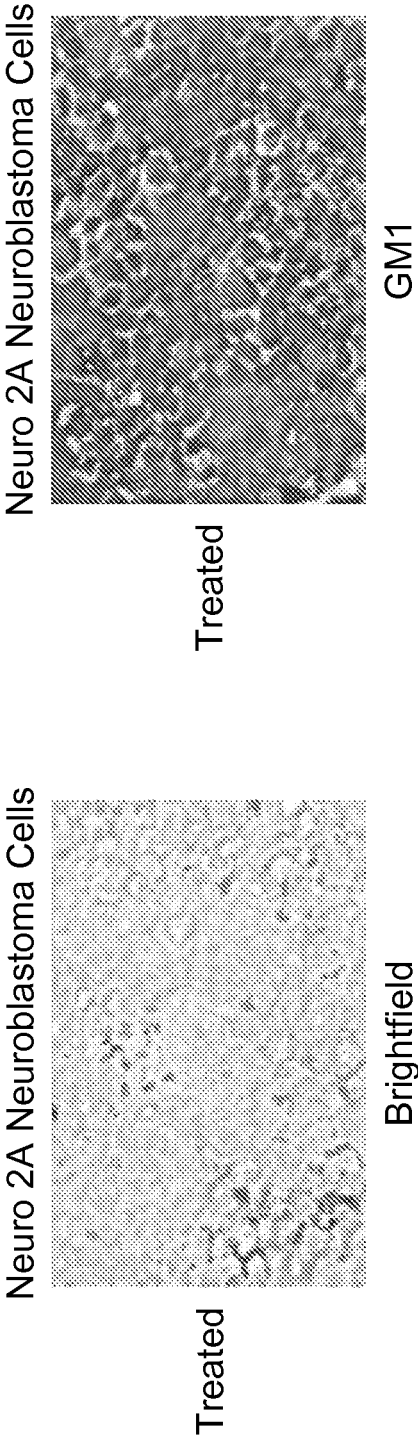


FIG.4C

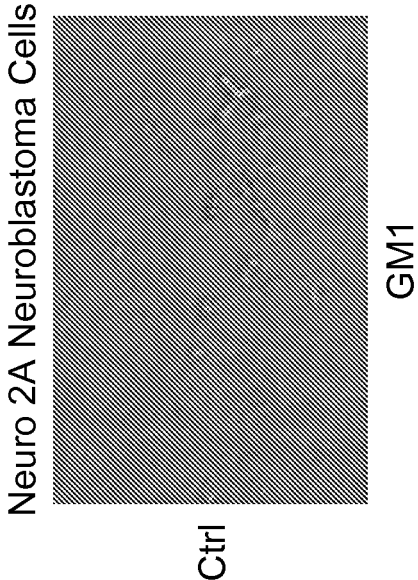


FIG.4B

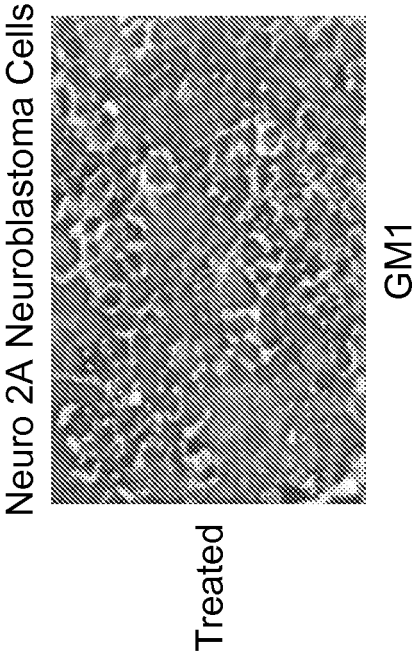


FIG.4D

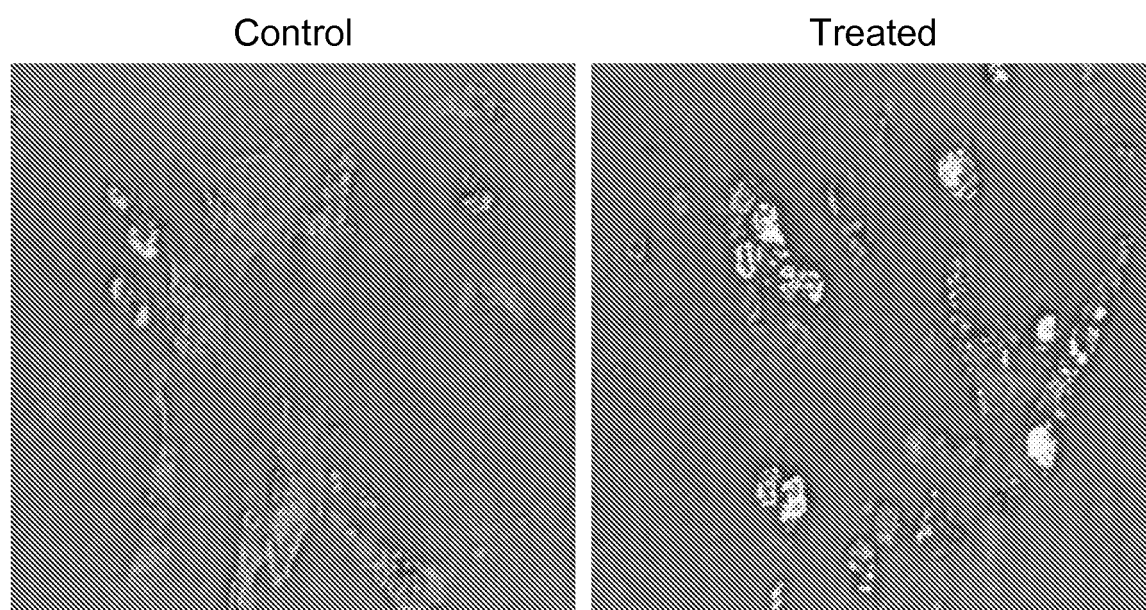
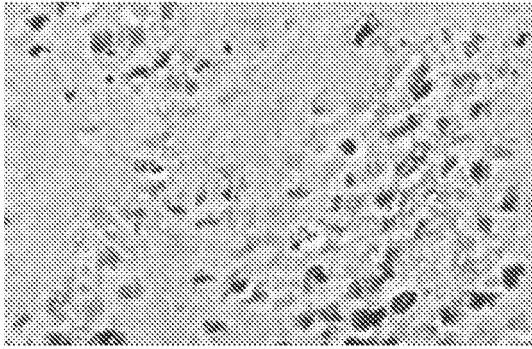


FIG.5

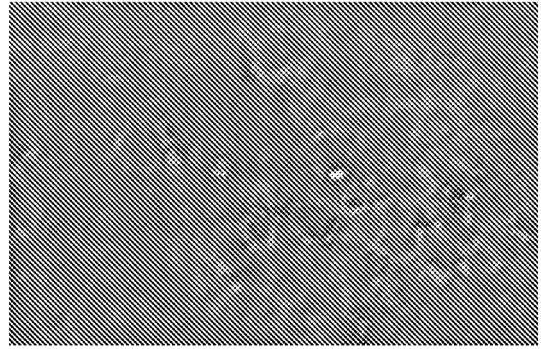
Day 3



Brightfield

FIG.6A

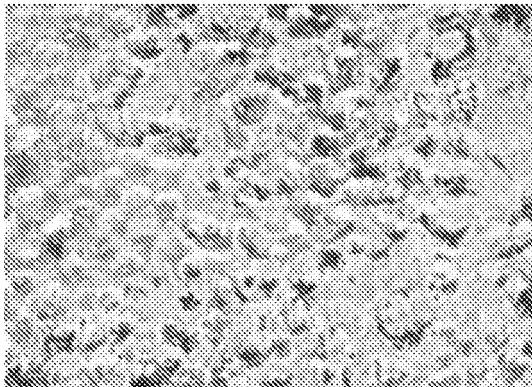
Day 3



GM1

FIG.6B

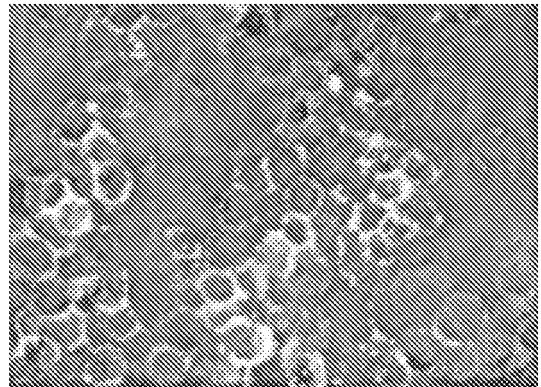
Day 9



Brightfield

FIG.6C

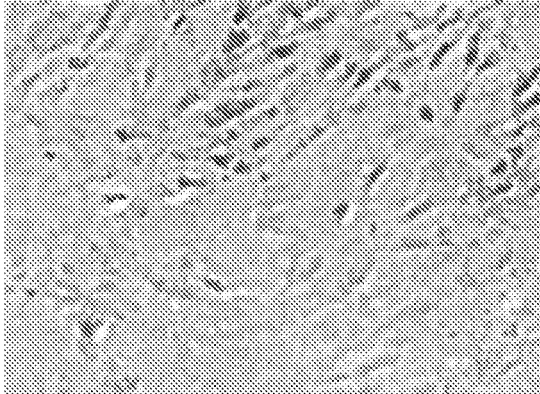
Day 9



GM1

FIG.6D

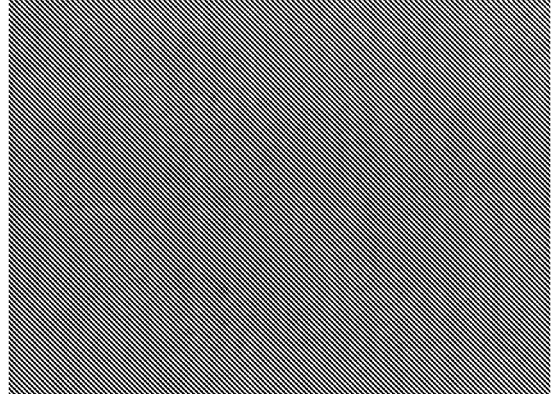
Day 3



Brightfield

FIG. 7A

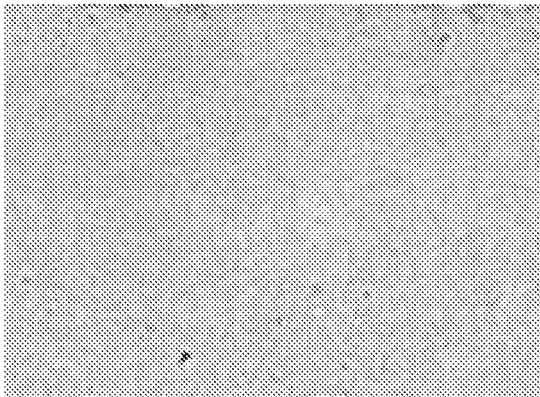
Day 3



GM1

FIG. 7B

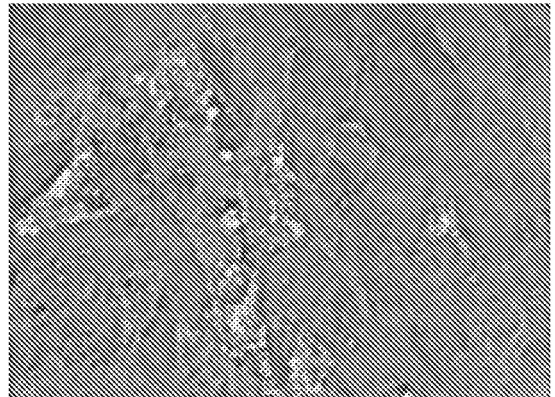
Day 9



Brightfield

FIG. 7C

Day 9



GM1

FIG. 7D

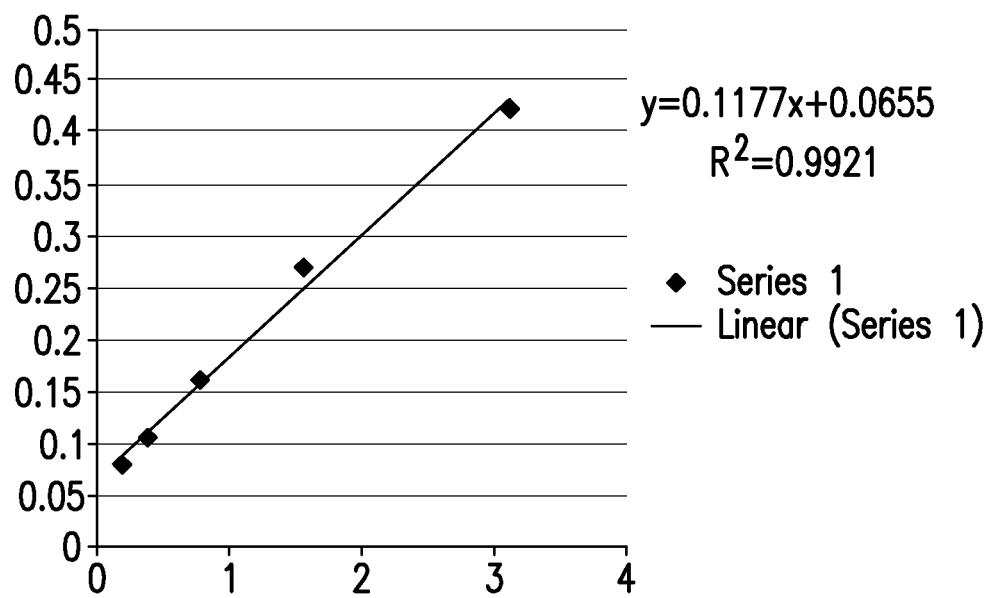


FIG.8

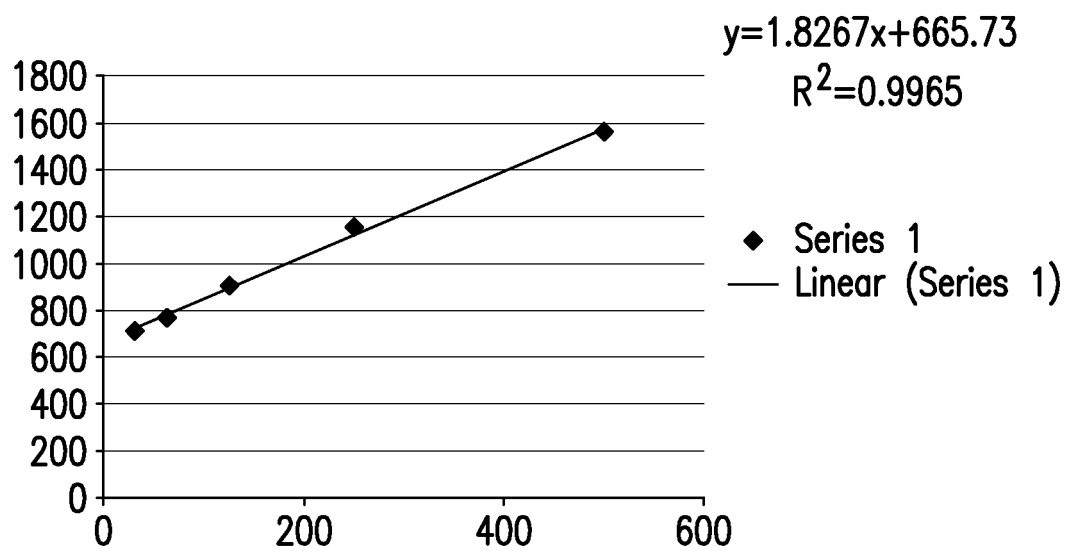


FIG.9

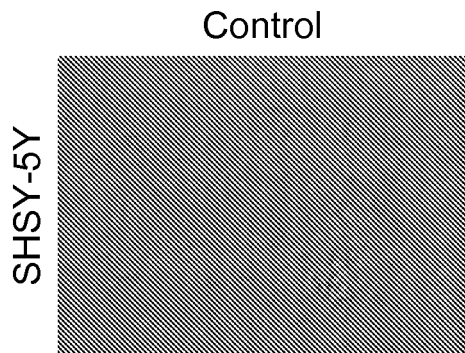


FIG.10A

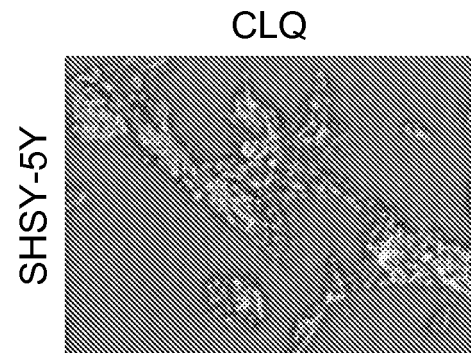


FIG.10B

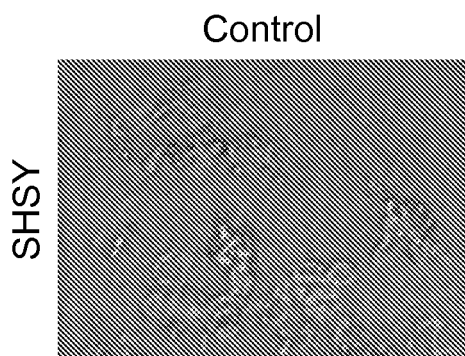


FIG.10C

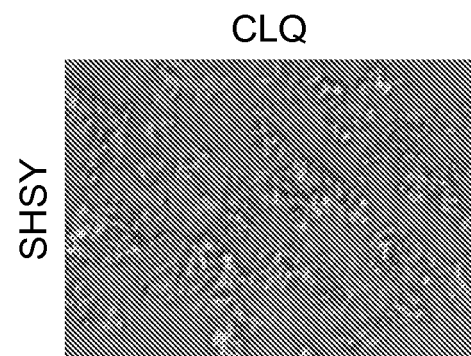


FIG.10D

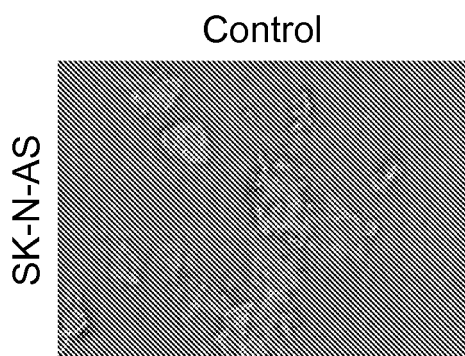


FIG.10E

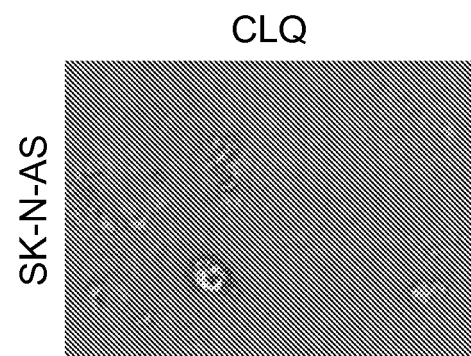


FIG.10F

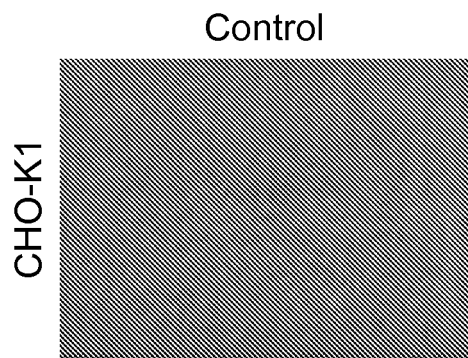


FIG.10G

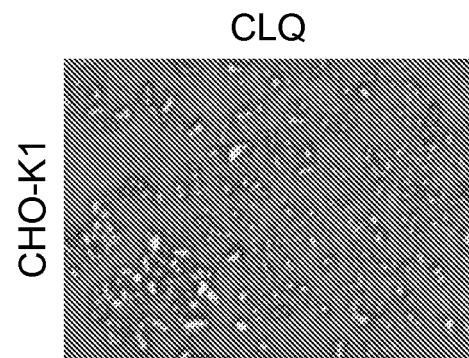


FIG.10H

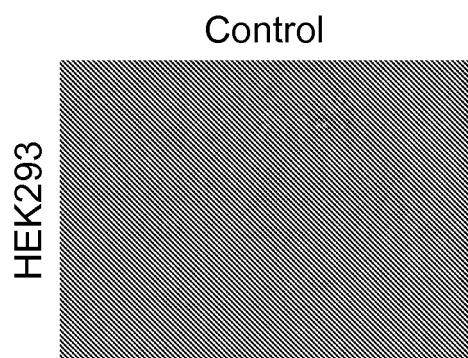


FIG.10I

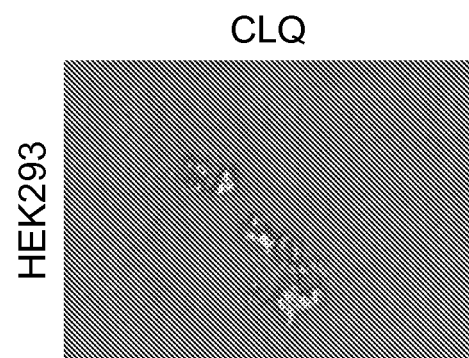


FIG.10J

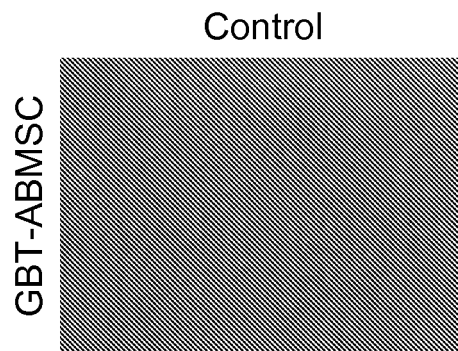


FIG.11A

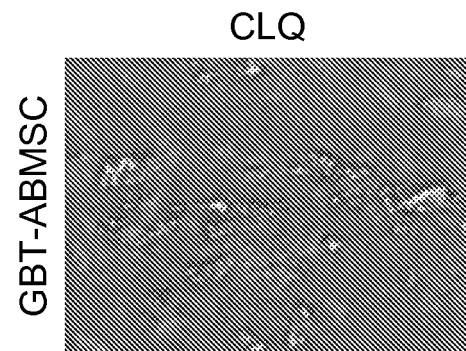


FIG.11B

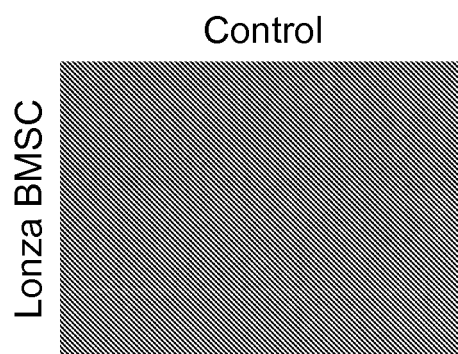


FIG.11C

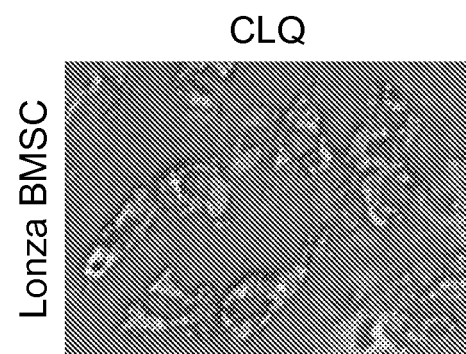


FIG.11D

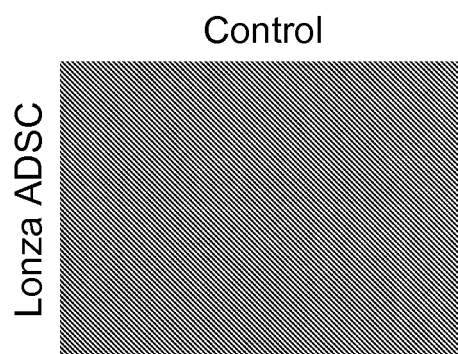


FIG.11E

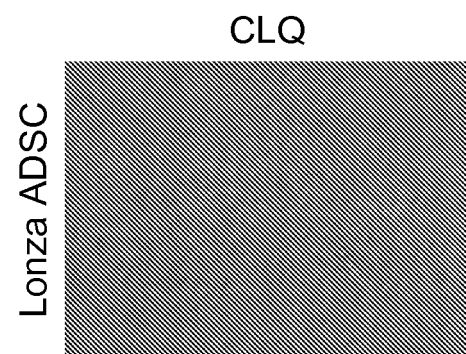


FIG.11F

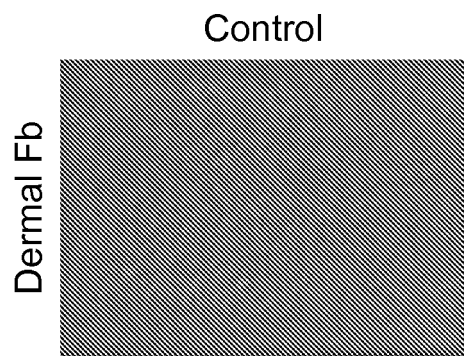


FIG.11G

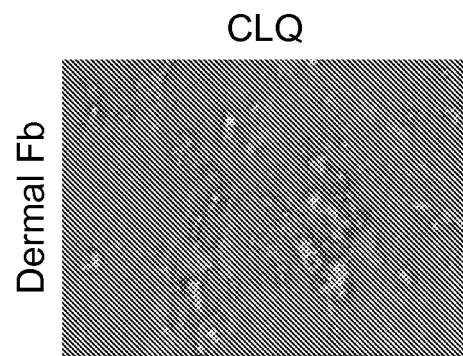


FIG.11H

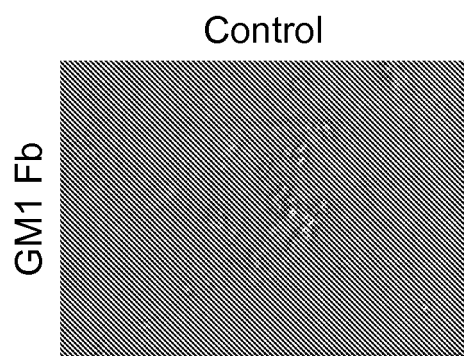


FIG.11I

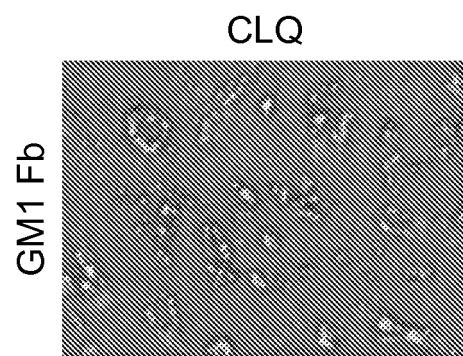


FIG.11J



Extract GM1

FIG.12

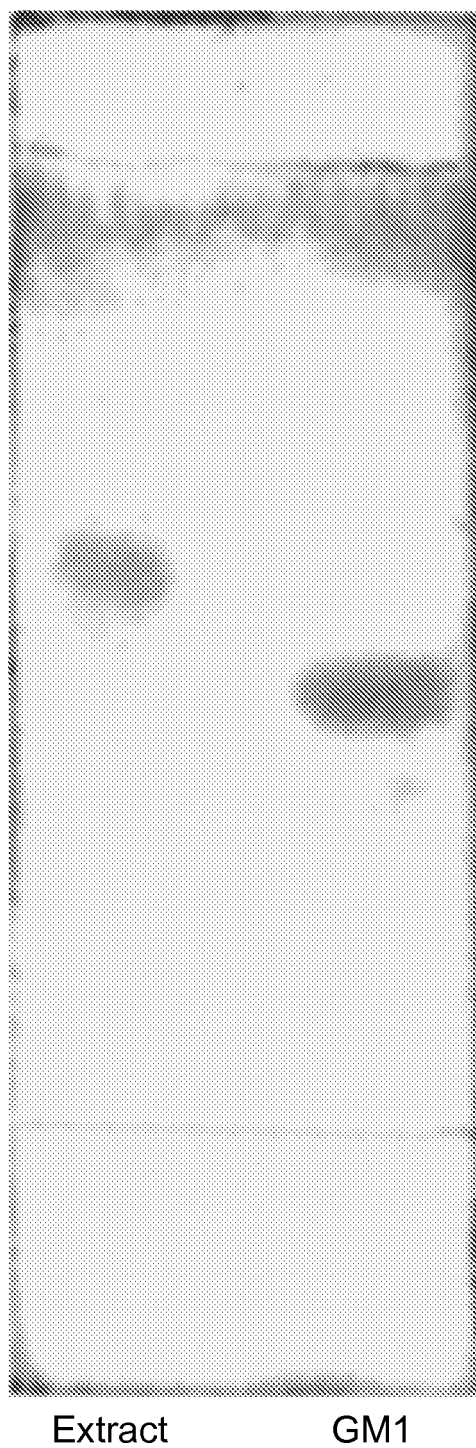


FIG. 13

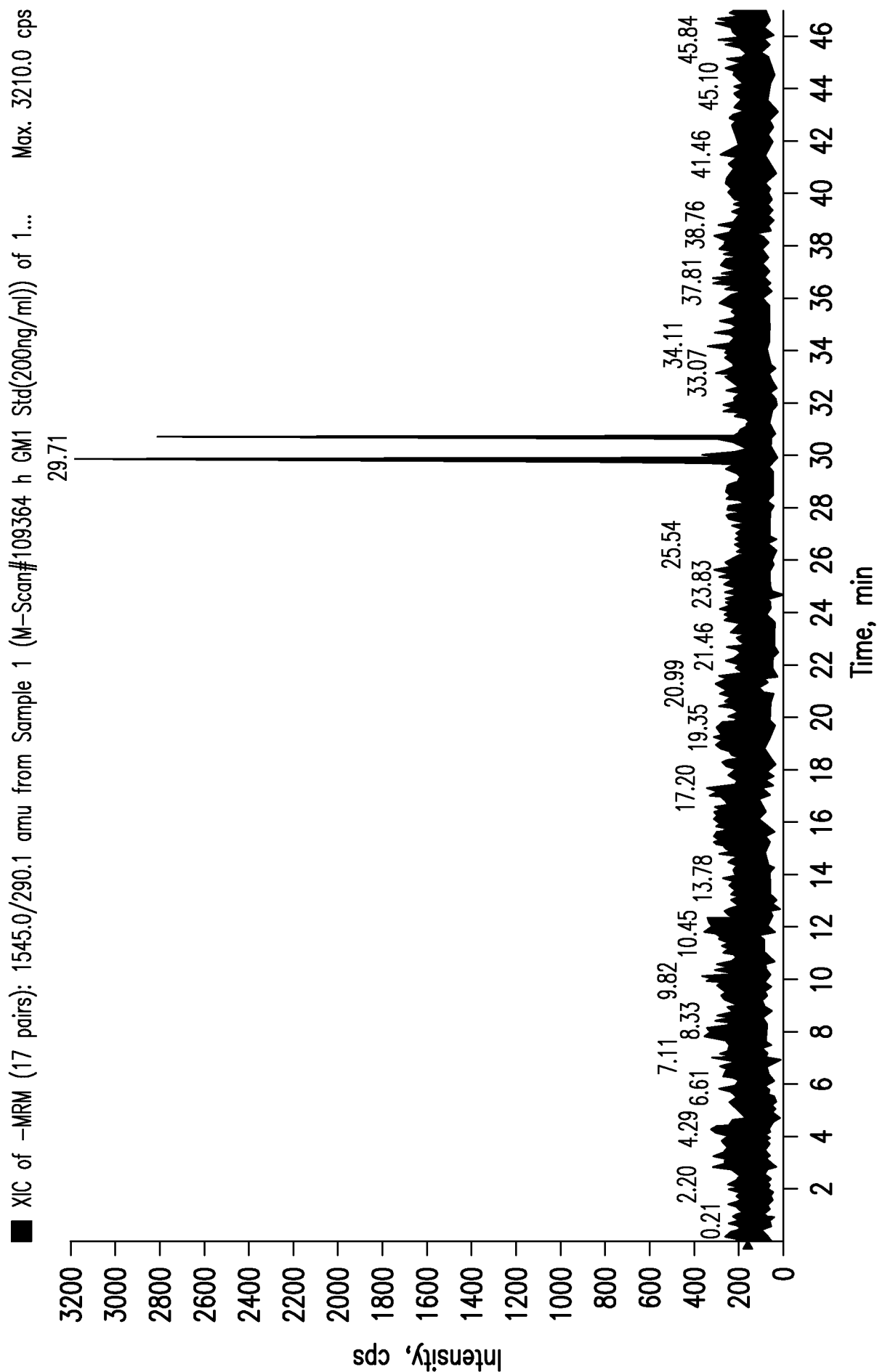


FIG.14

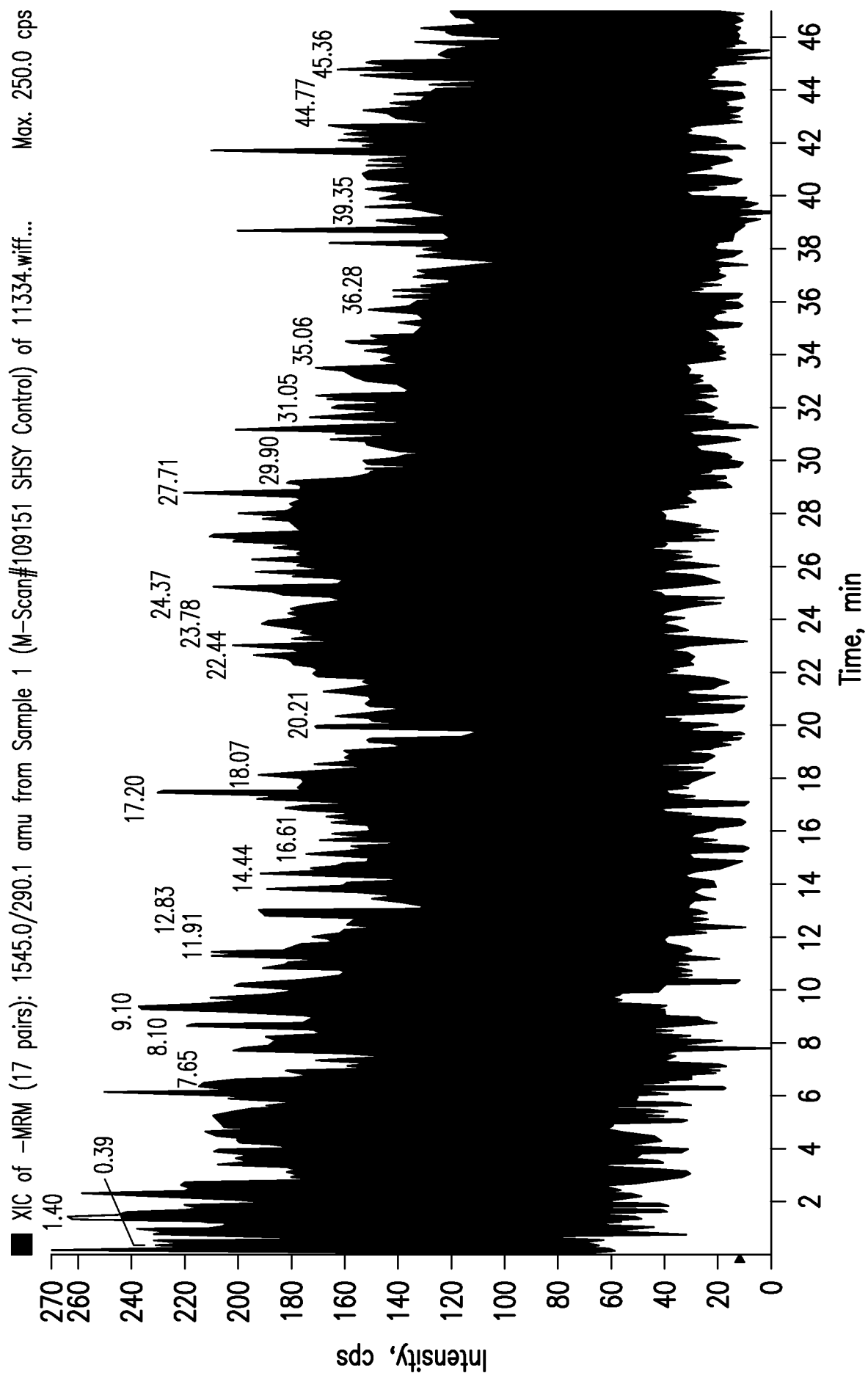


FIG.15

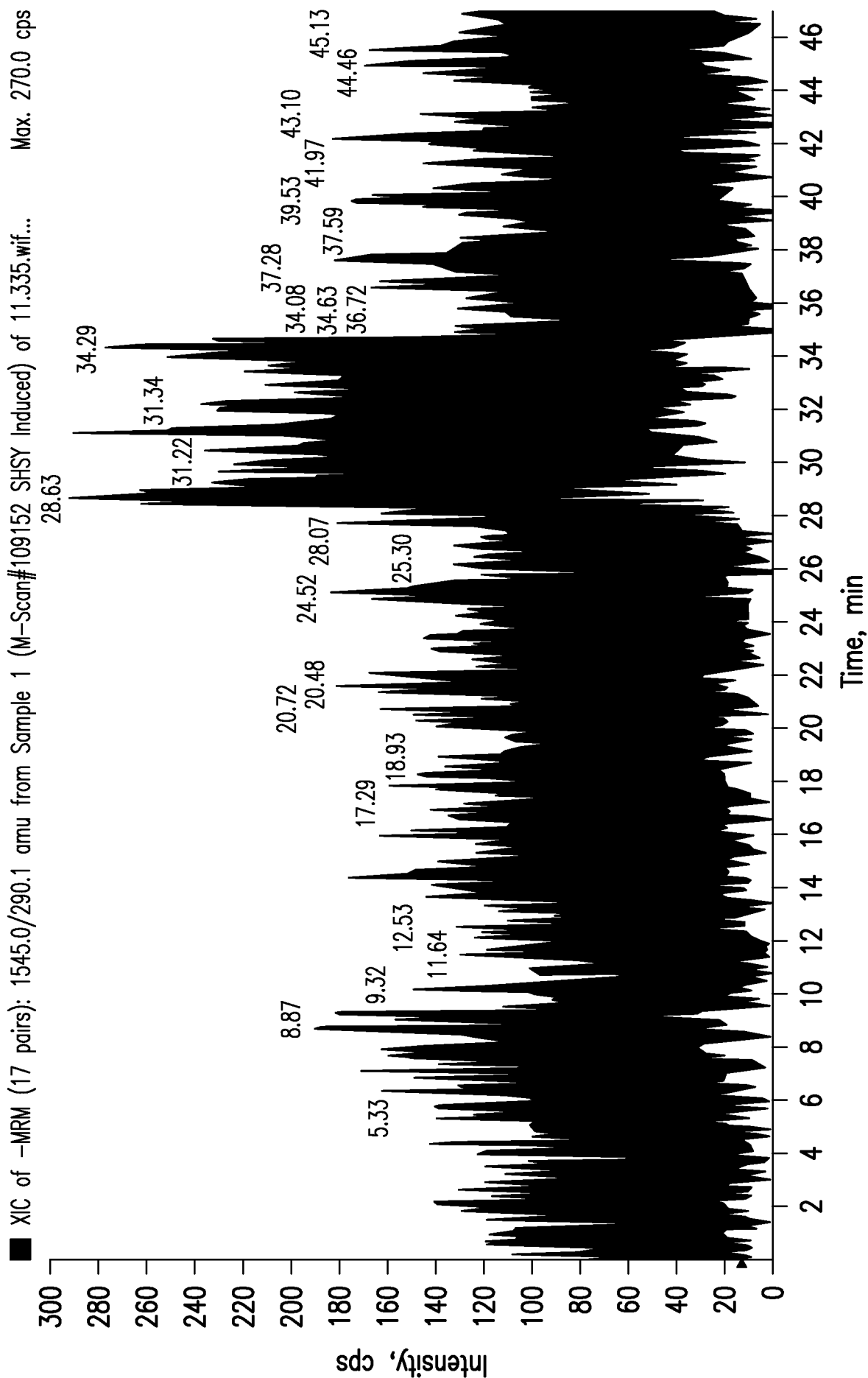


FIG.16

Typical Calibration Curve for GM1 (m/z 1544.8) in Human ABMSC (GBT009) Cell Matrix
test012512.rdb (GM-1): "Linear" Regression ("1/(x*x)" weighting); y=147x+500 (r=0.9978)

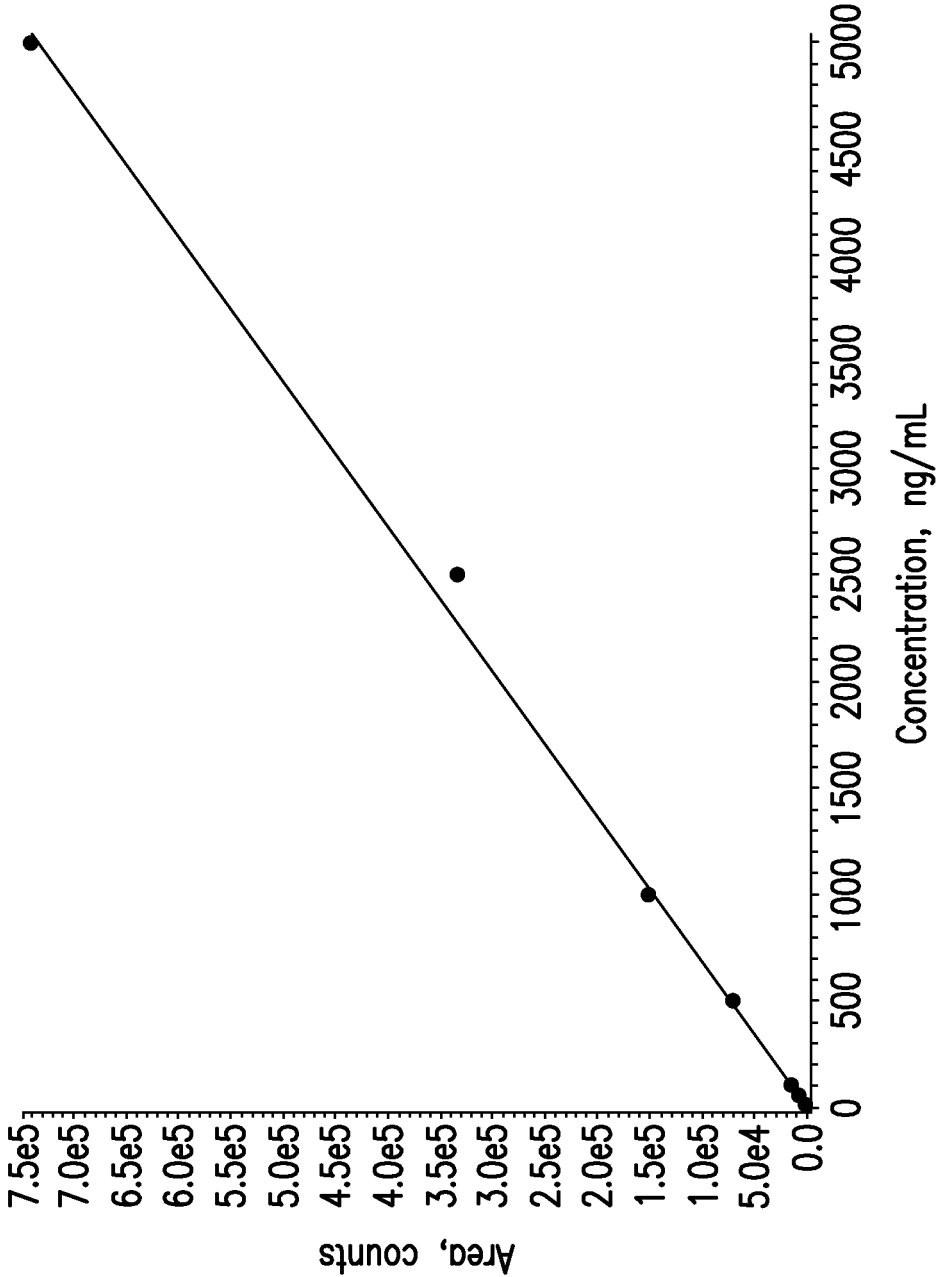


FIG.17

Typical Calibration Curve for GM1b (m/z 1572.9) in Human ABMSC (GBT009) Cell Matrix

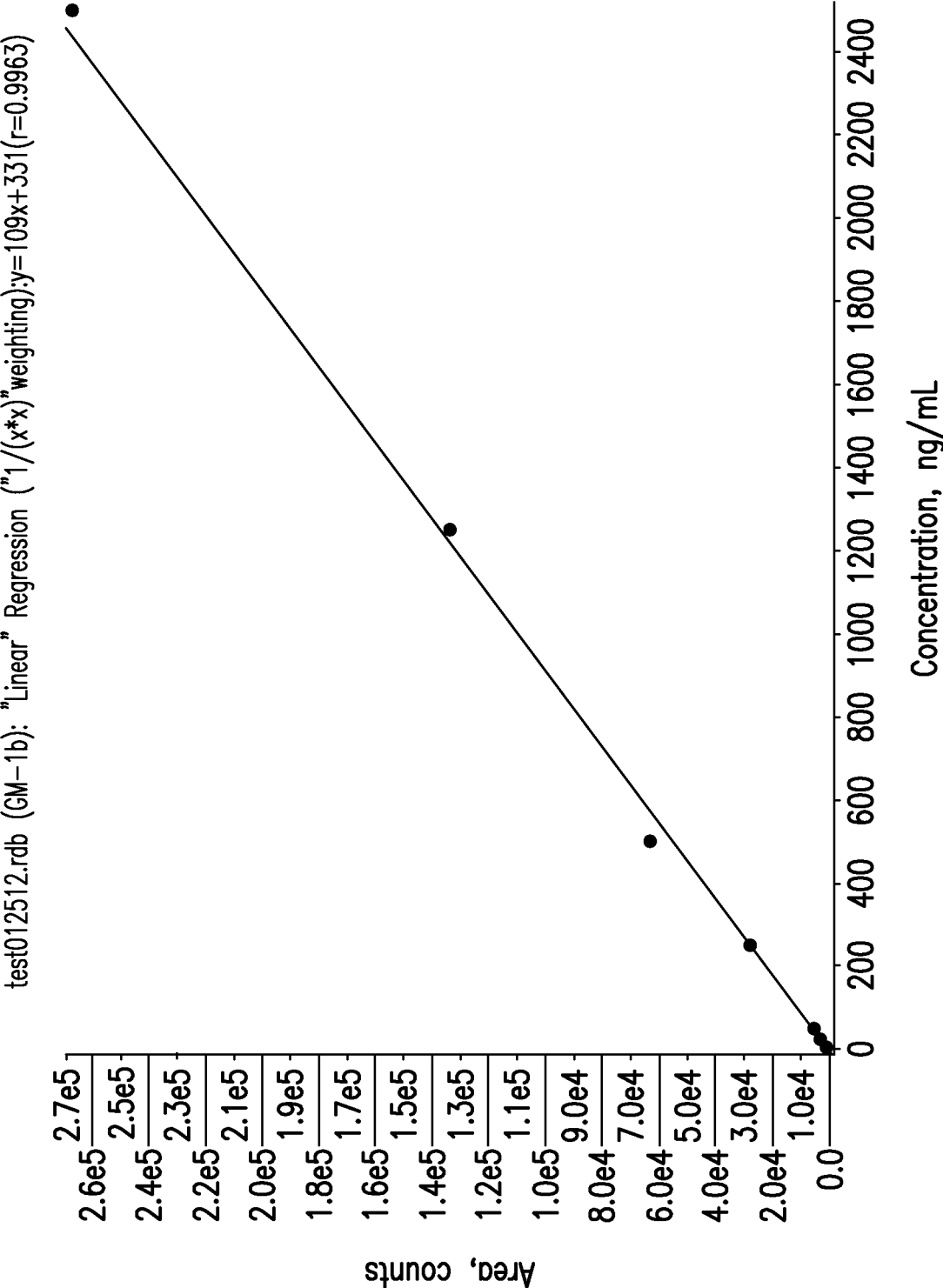


FIG.18

Calibration Curve for GM1 (m/z 1544.8) in Human ABMSC (GBT009)
Cell Matrix Compared with Standards extracted from the Water

□ test012512.rdb (GM-1): "Linear" Regression ("1/(x*x)"weighting);y=110x+584(r=0.9973)

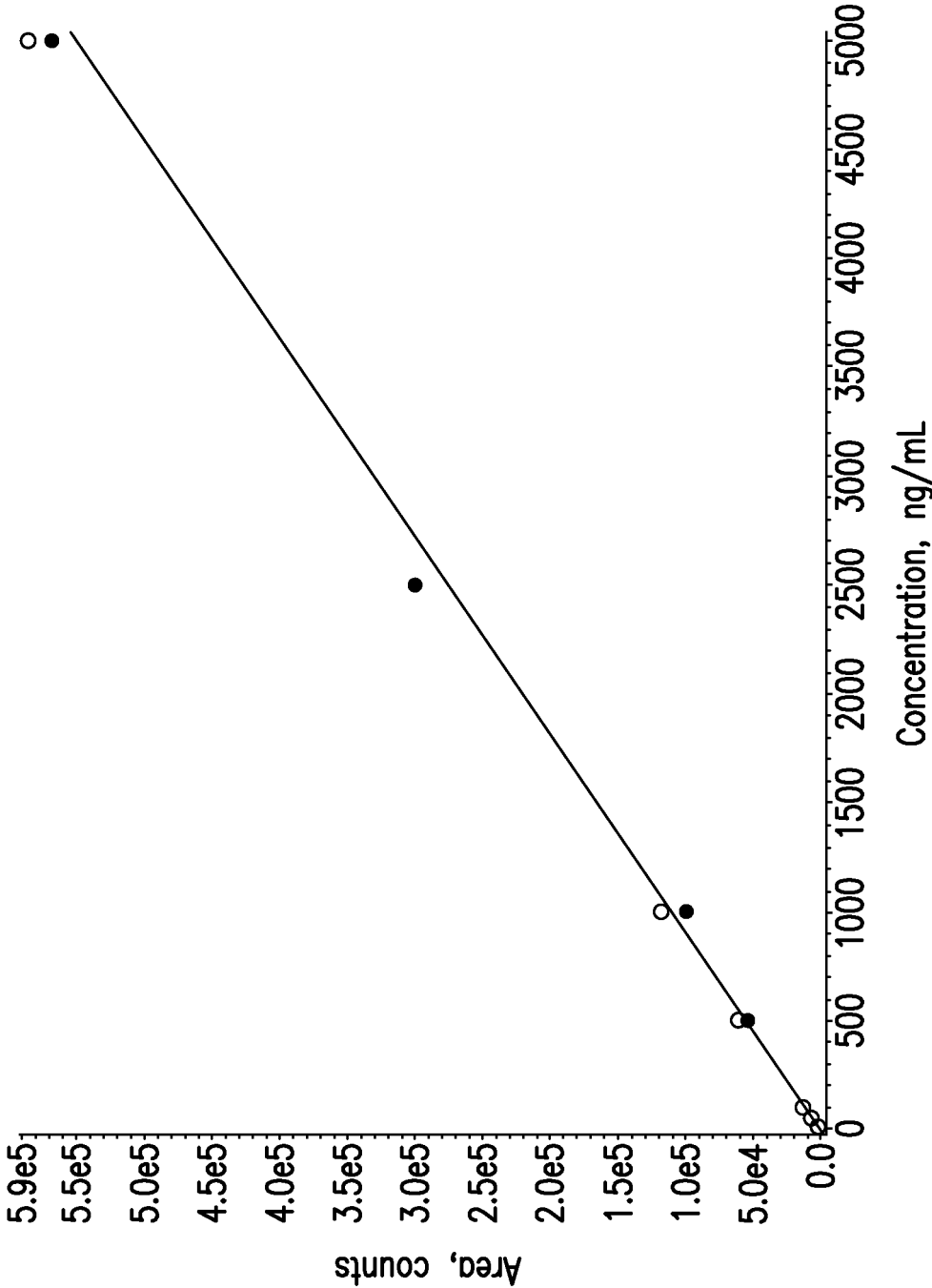


FIG.19

Calibration Curve for GM1b (m/z 1572.9) in Human ABMSC (GBT009)
Cell Matrix Compared with Standards extracted from the Water

□ test012512A.rdb (GM-1b): "Linear" Regression ("1/(x*x)" weighting);y=80.6x+117(r=0.9980)

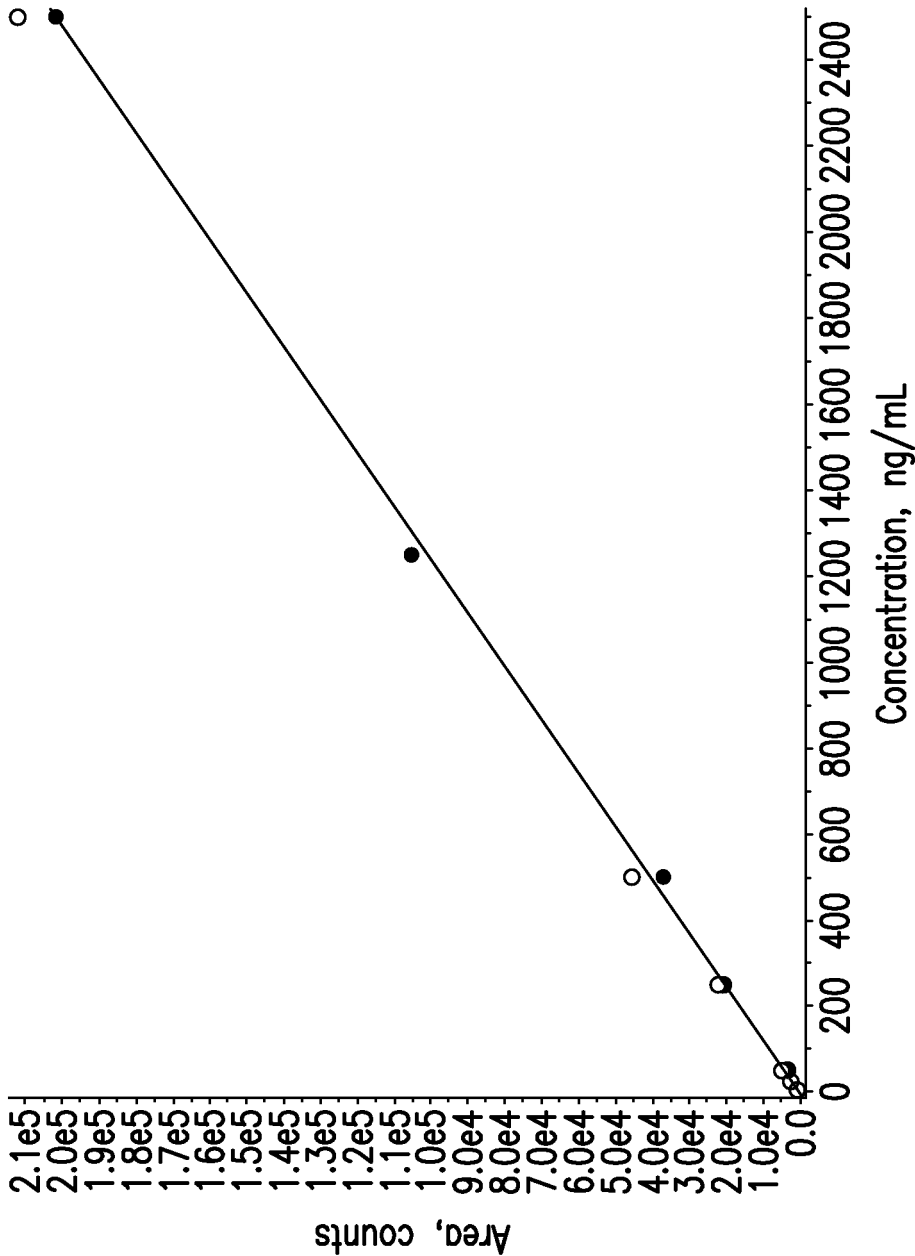


FIG.20

GM1s (16 Transition Ions) Chromatograms of a Human ABMSC (GBT009) Cell Blank (100x Dilution)
 □ XIC of -MRM (16 pairs): 1516.800/290.000 Da ID: GM-1a from Sample 1 (Lamb cell blank -2) of 012512003.wiff (Turbo Spray)
 Max. 770.0 cps.

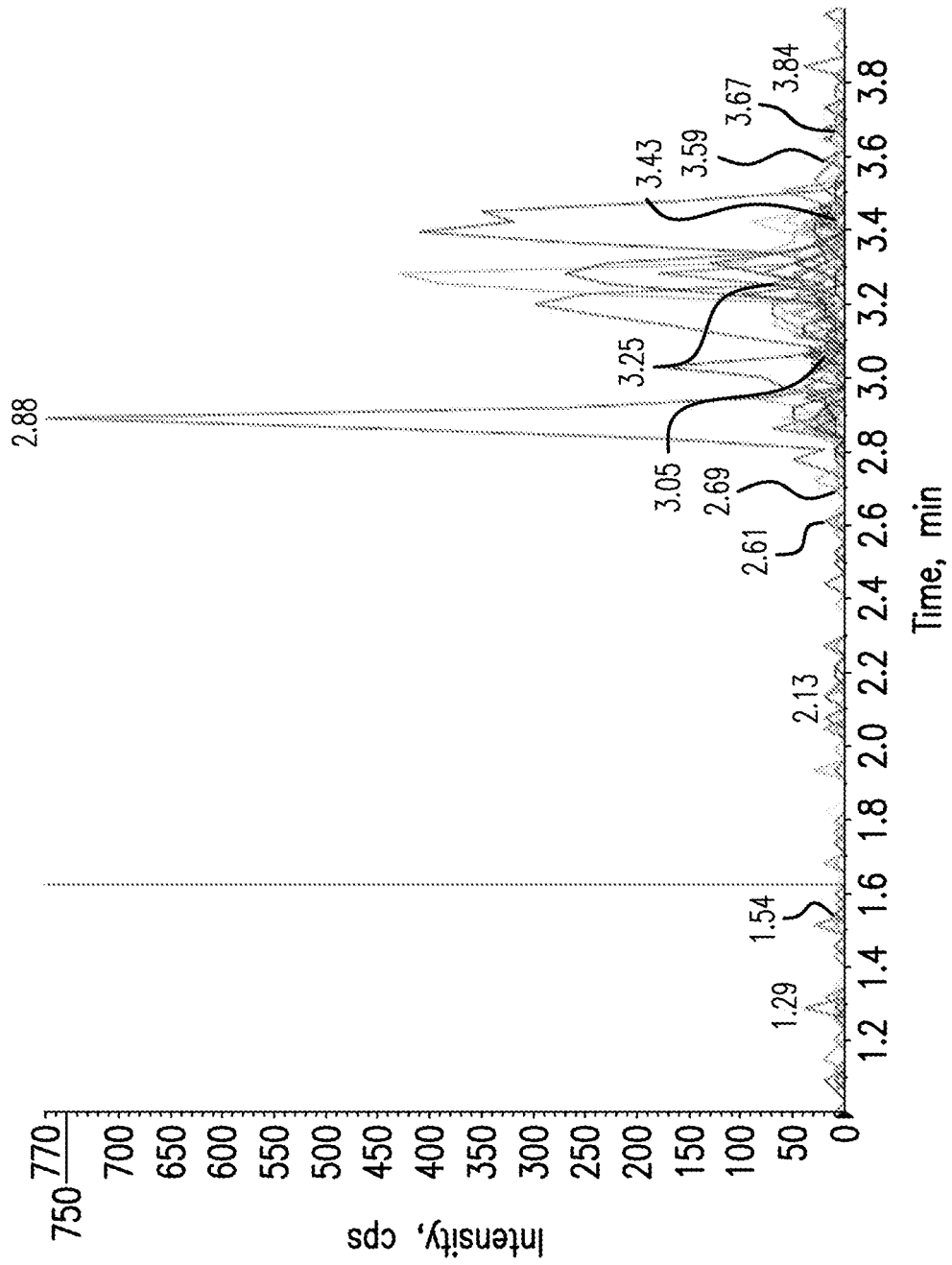


FIG.21

Ion Chromatogram for GM1 (m/z 1544.8) of a Human ABMSC (GBT009) Cell Blank (100x Dilution)

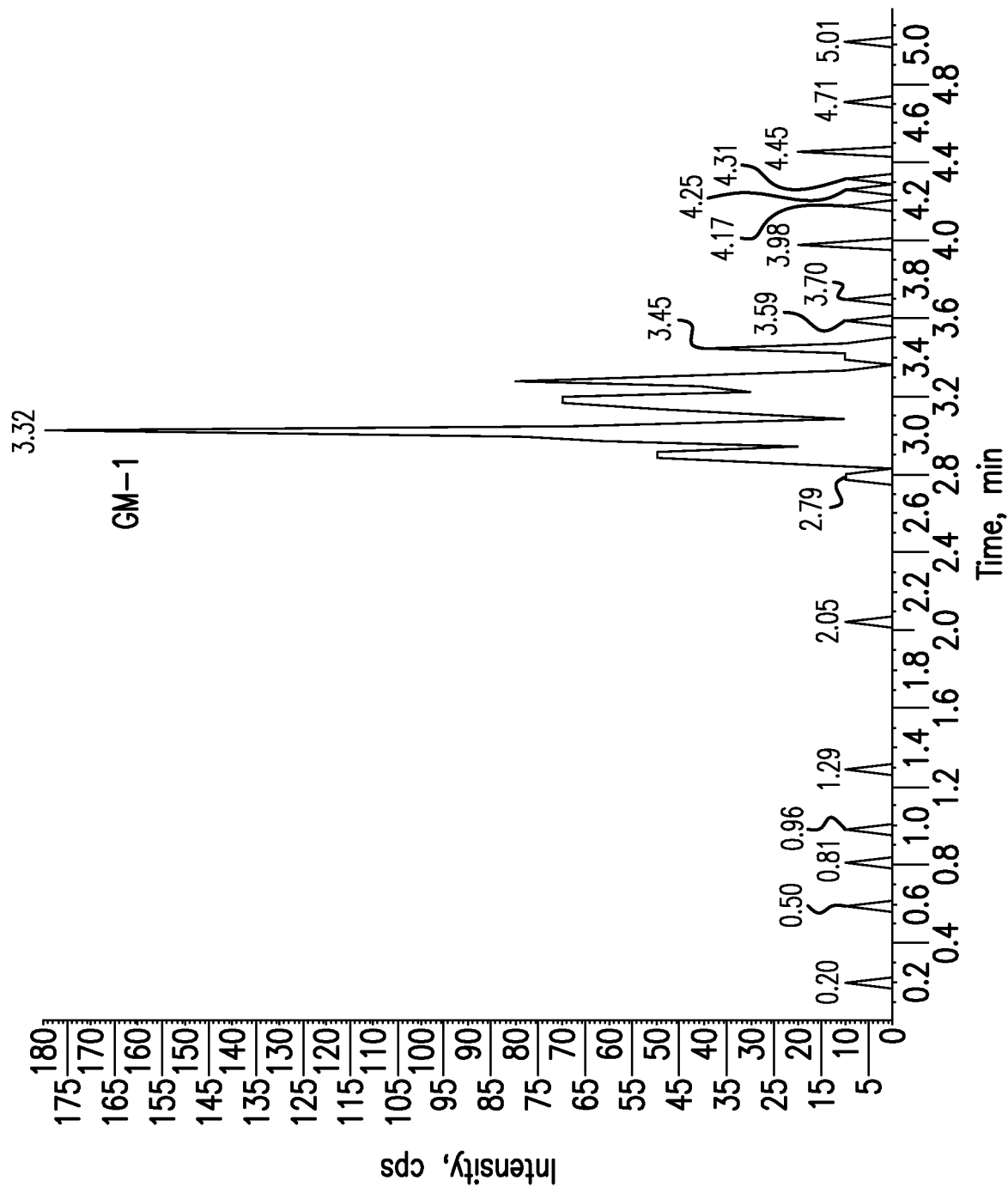


FIG.22

Ion Chromatogram for GM1 (m/z 1544.8) spiked in Human ABMSC (GBT009) Cell Matrix at 10 ng/mL

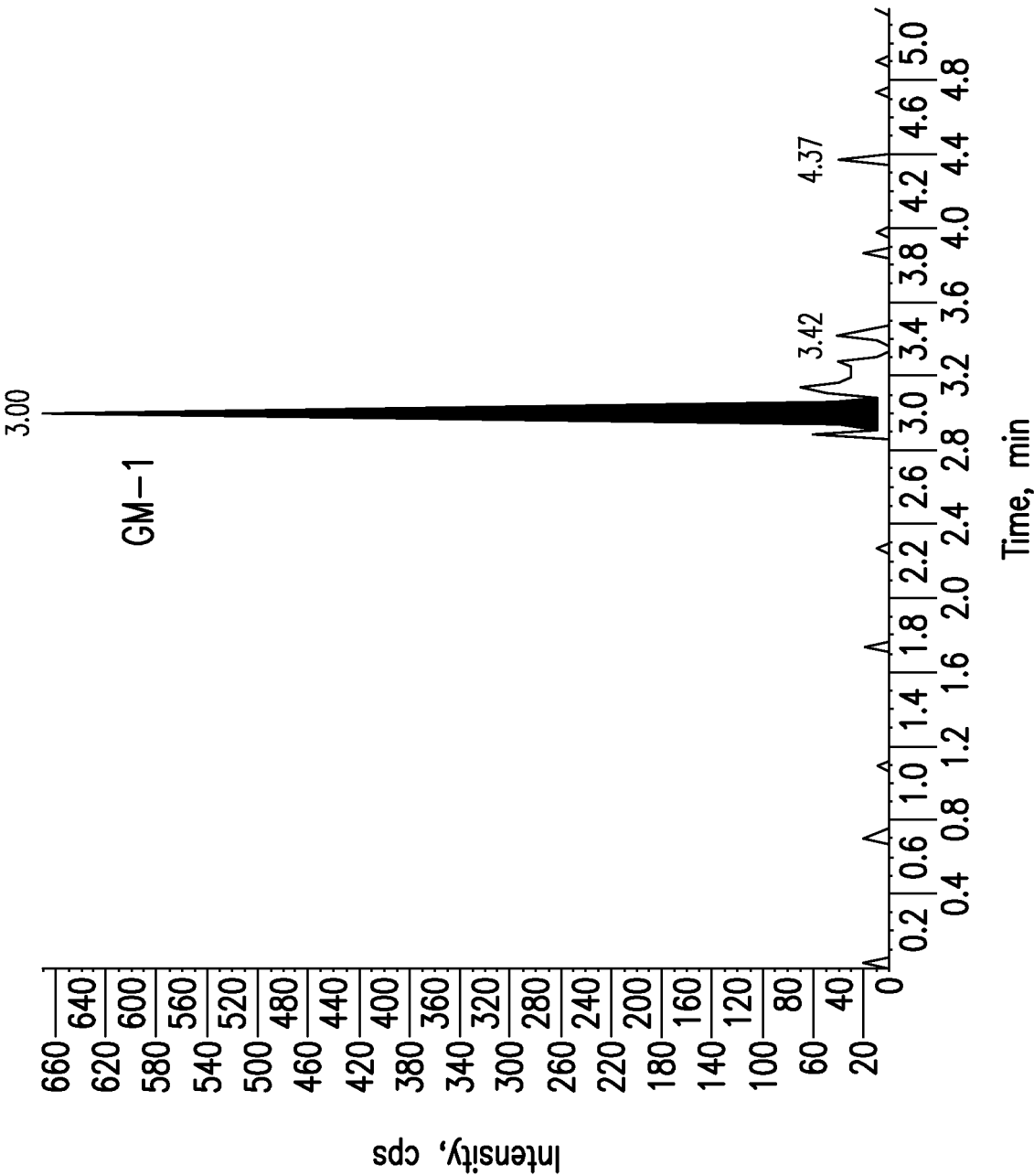


FIG.23

Ion Chromatogram for GM1 (m/z 1544.8) spiked in Human ABMSC (GBT009) Cell Matrix at 10 ng/mL

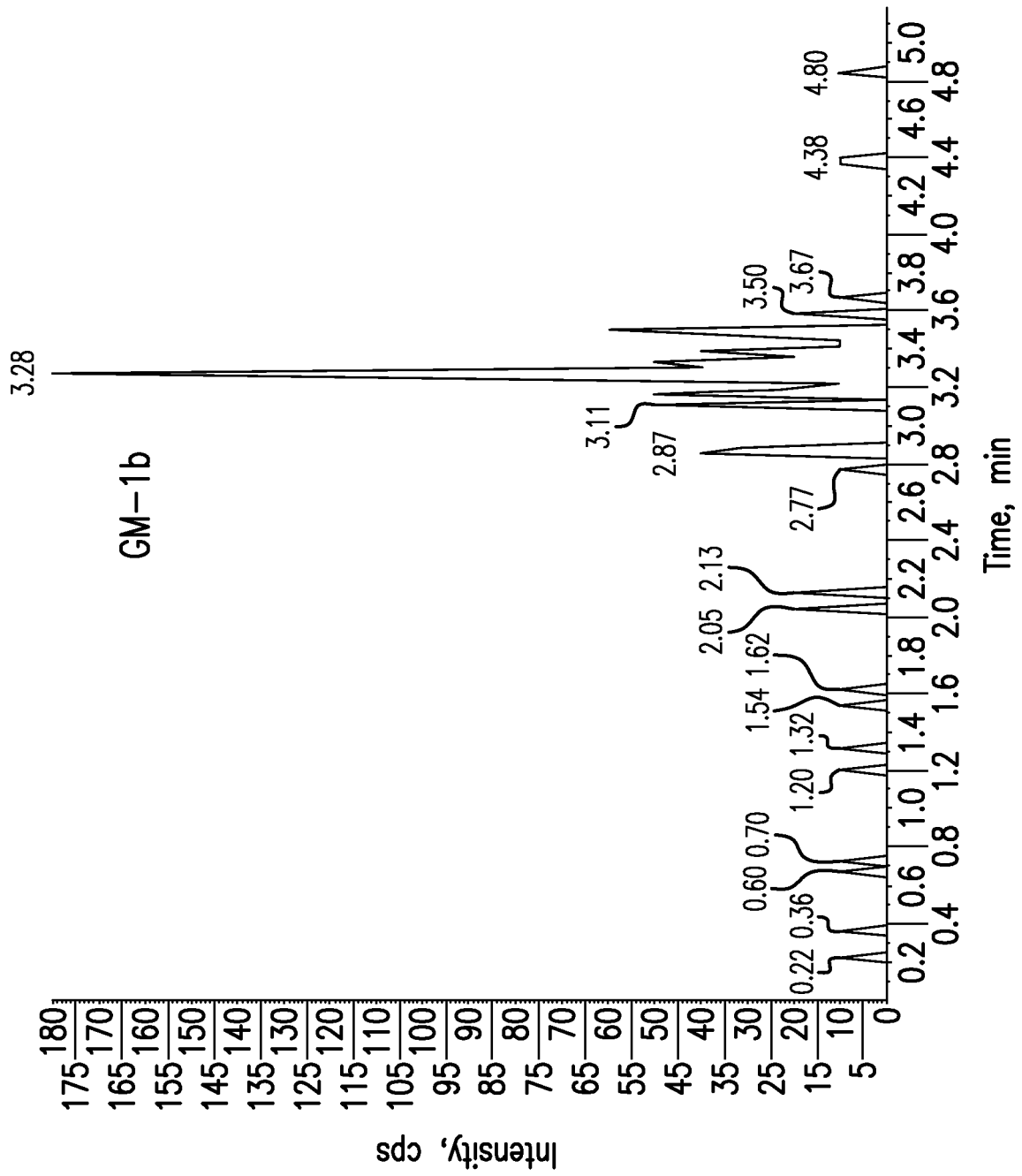


FIG. 24

Ion Chromatogram for GM1b (m/z 1572.9) spiked in Human ABMSC (GBT009) Cell Matrix at 5 ng/mL

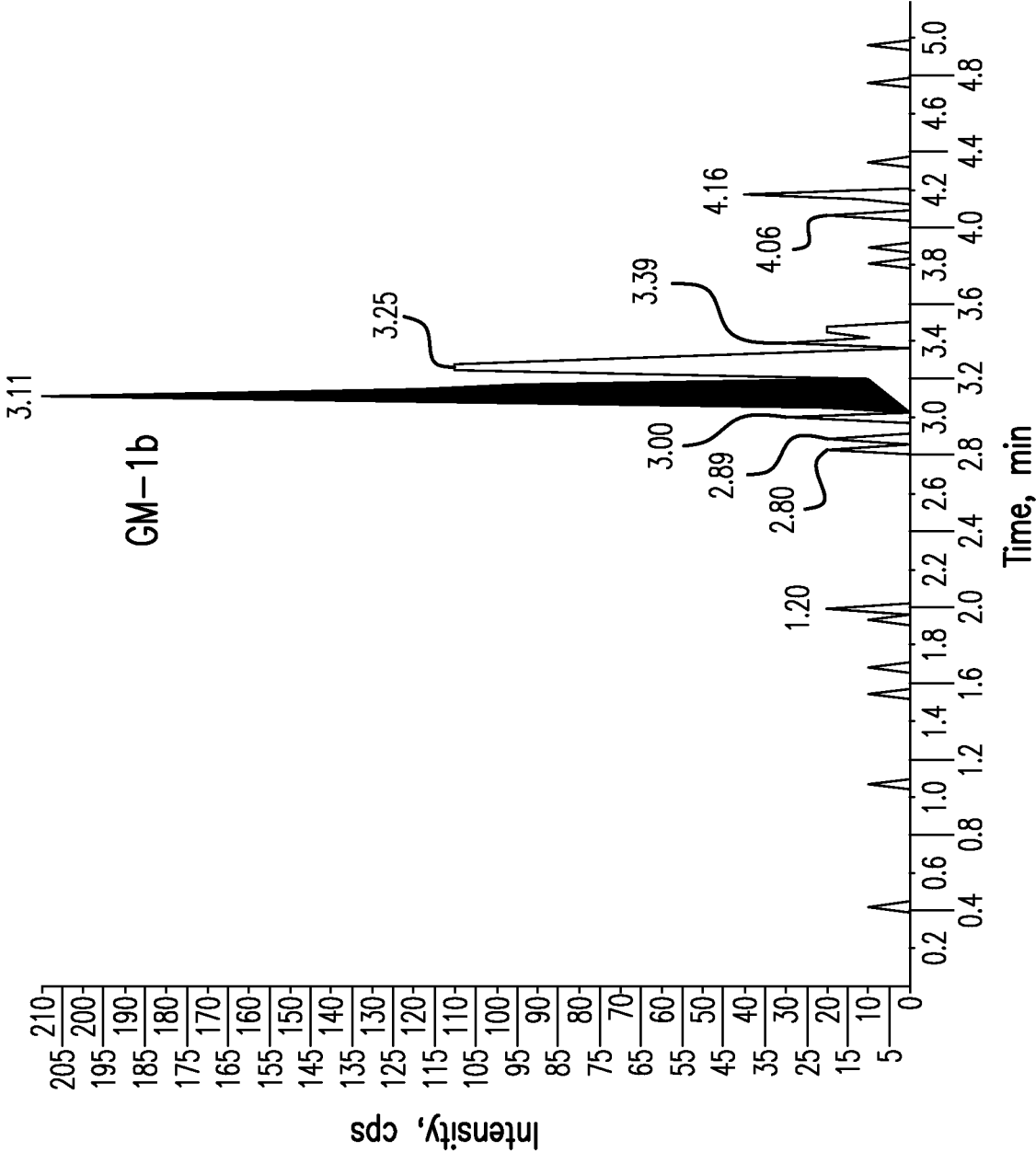


FIG.25

Ion Chromatogram for GM1 (m/z 1544.8) spiked in Human ABMSC (GBT009) Cell Matrix at 2500 ng/mL

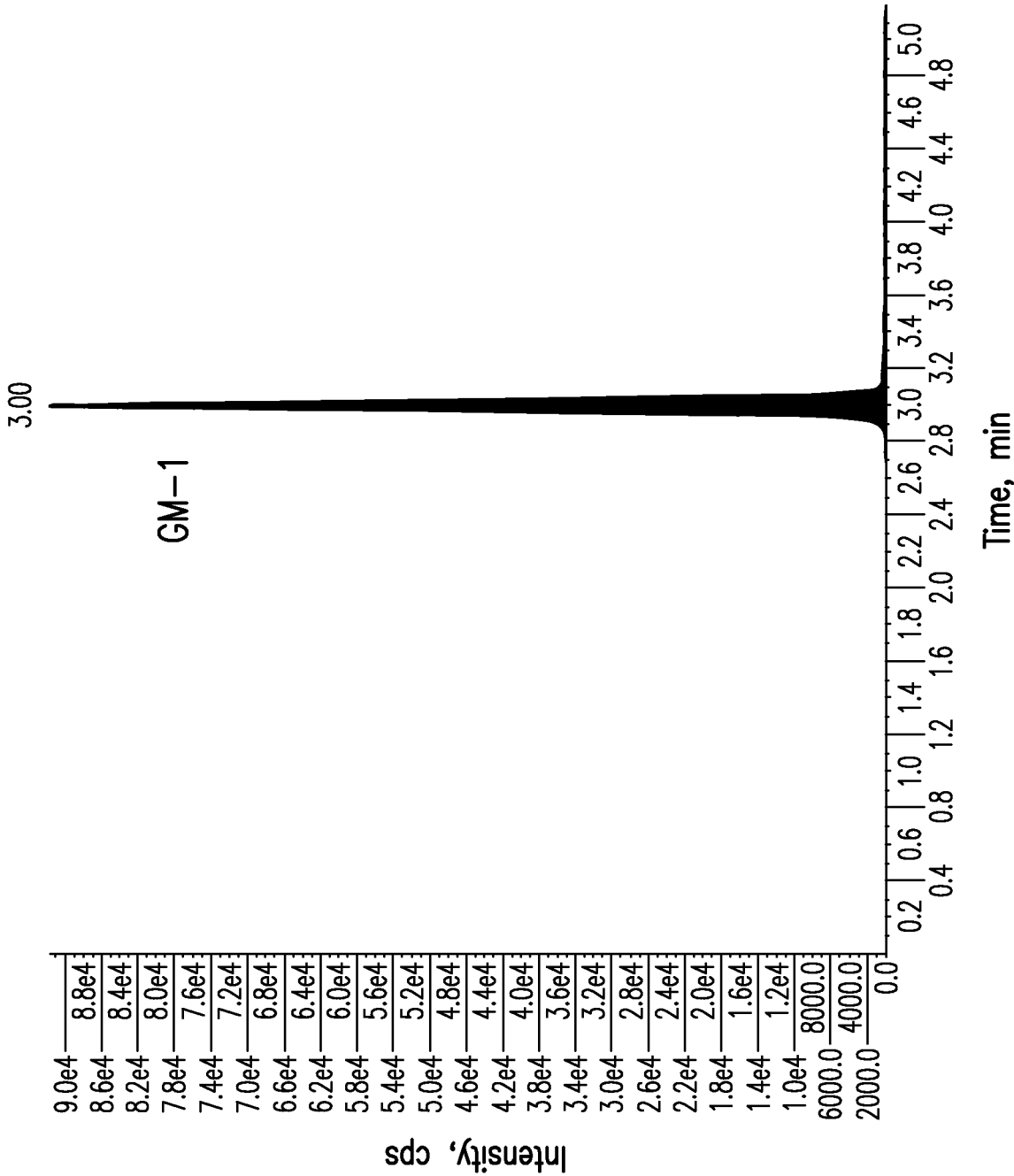


FIG.26

Ion Chromatogram for GM1b (m/z 1572.9) spiked in Human ABMSC (GBT009) Cell Matrix at 1250 ng/mL

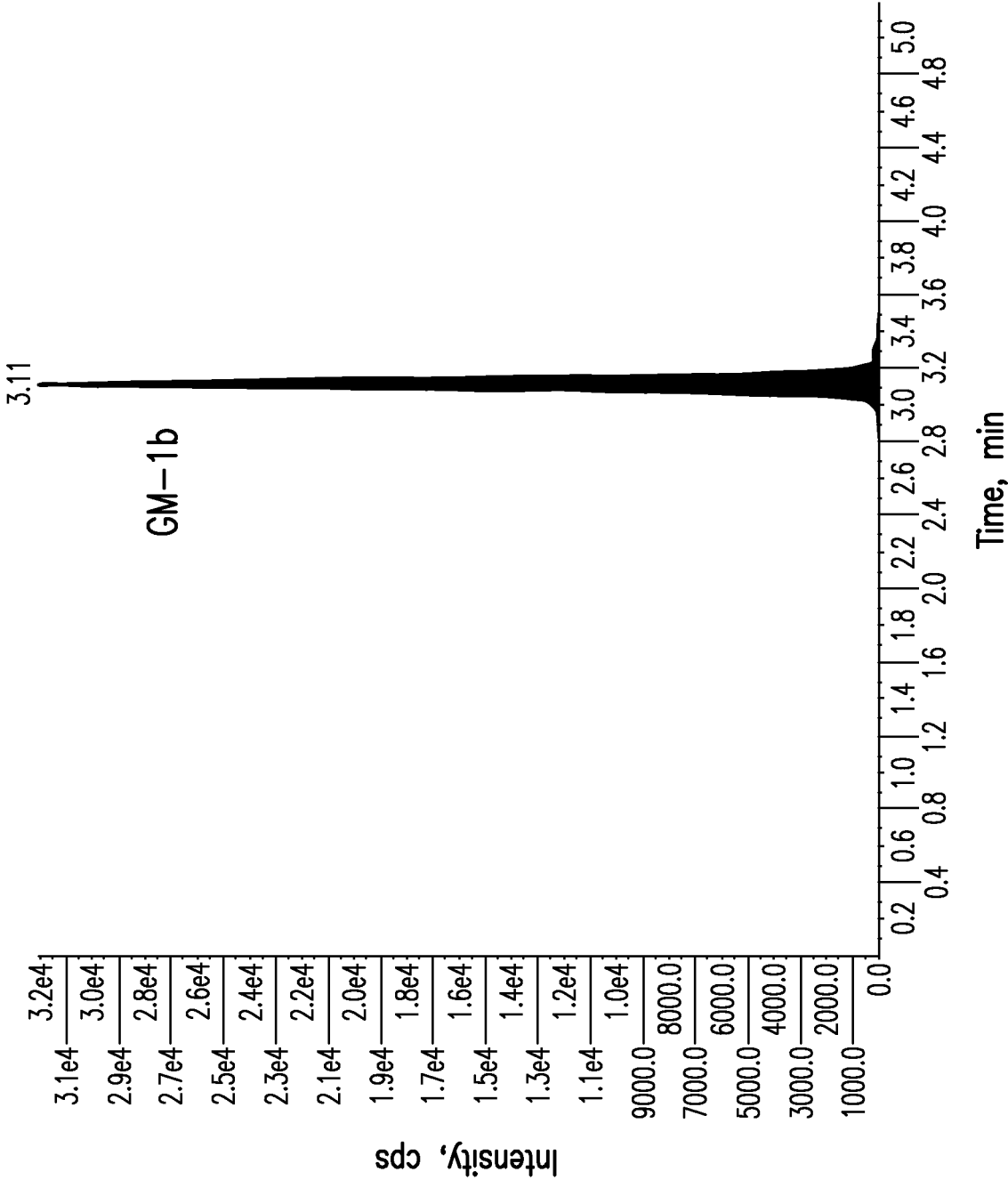


FIG.27

Max. 2.3e9 cps.

■ TIC of -Q1: from Sample 1 (M-Scan#108480 Pool Prep Ind ABMSC) of 11...

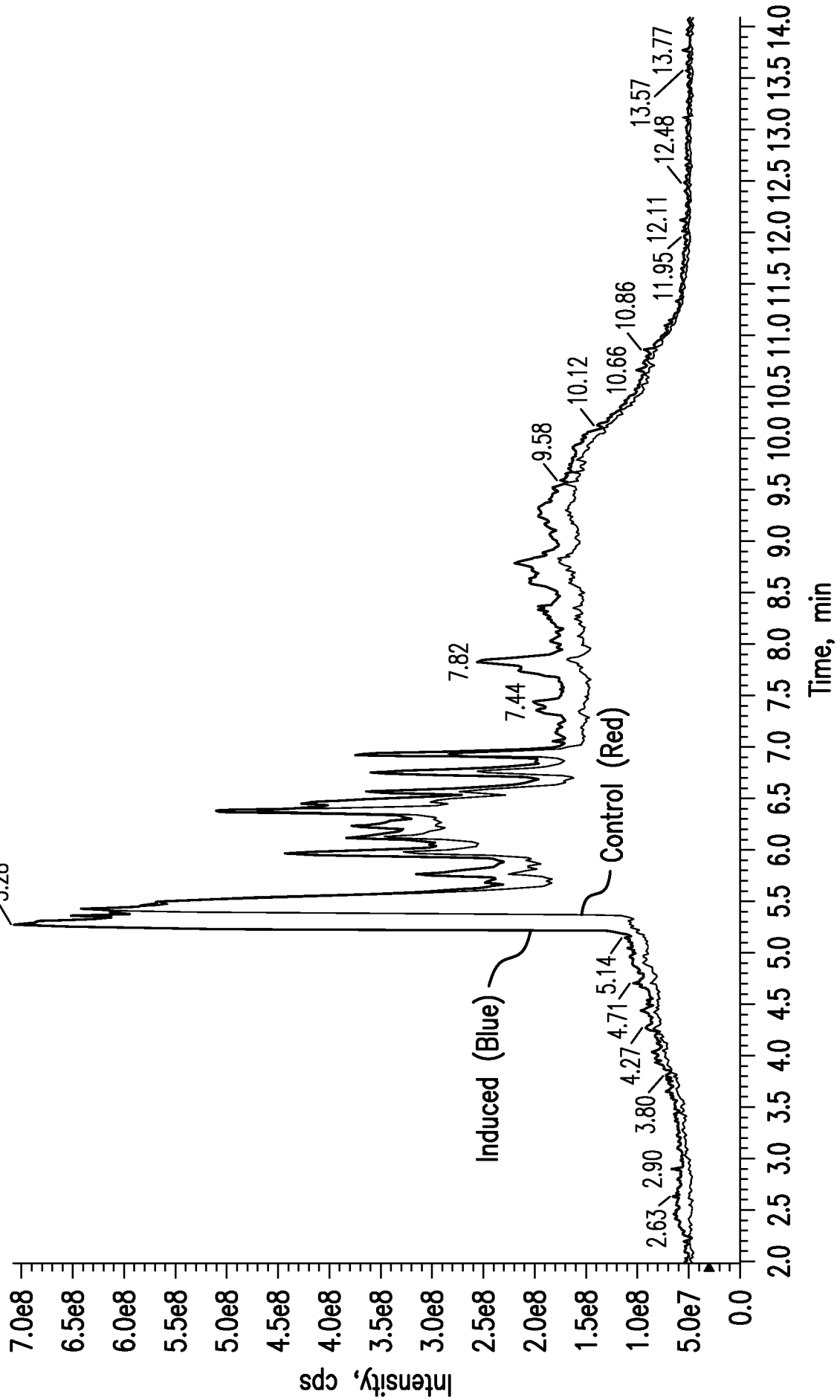


FIG. 28

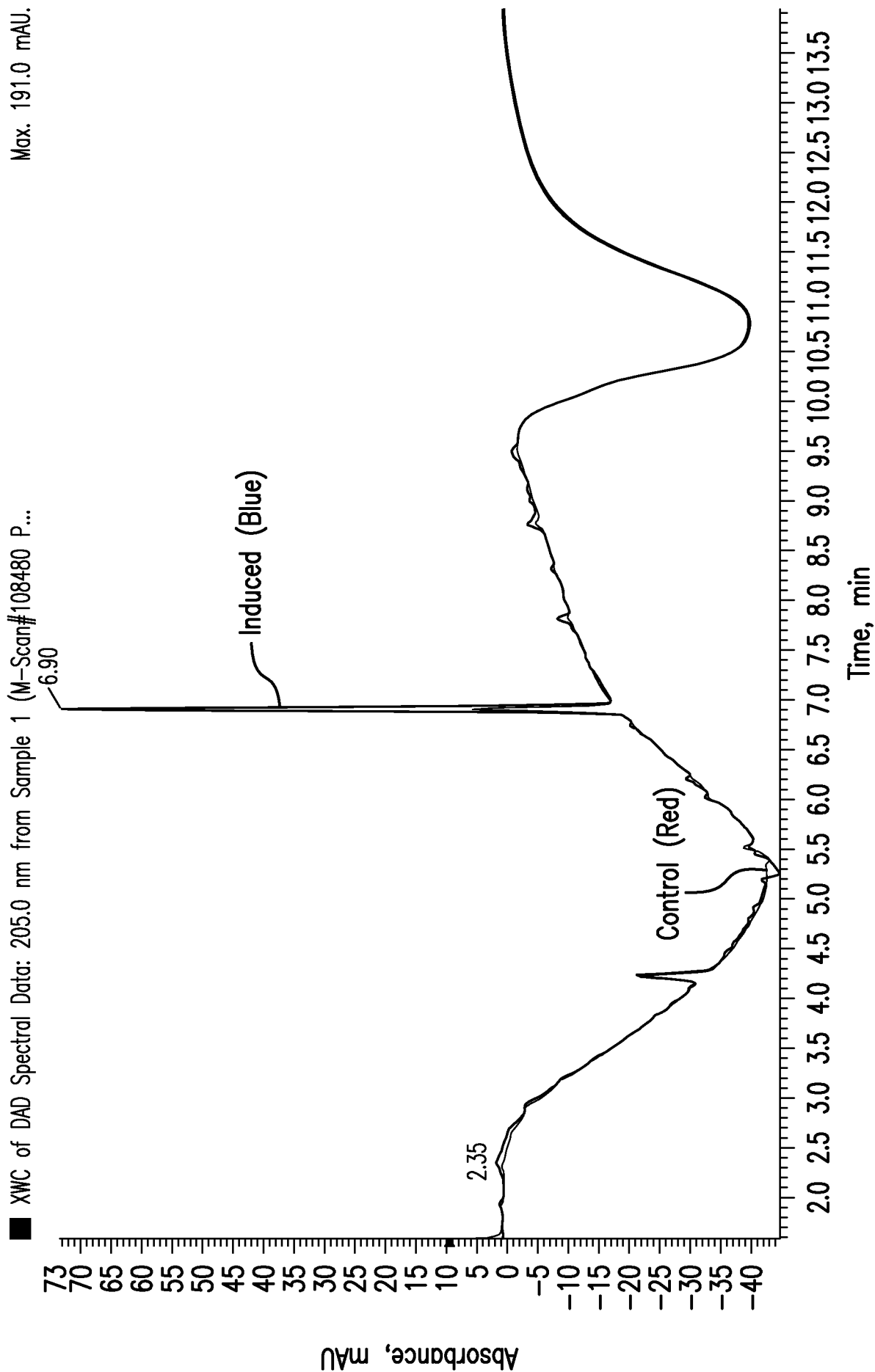


FIG. 29

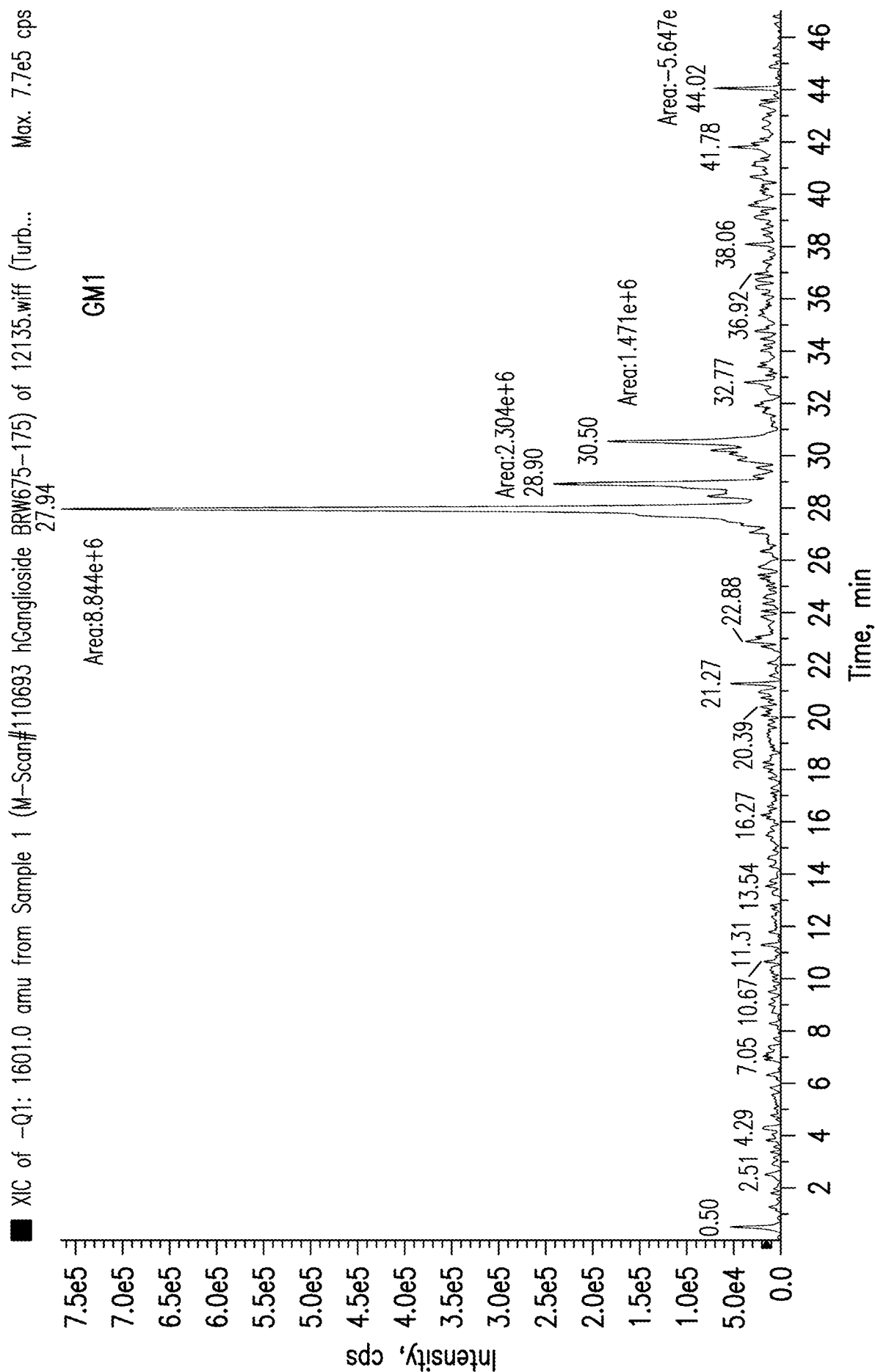


FIG.30

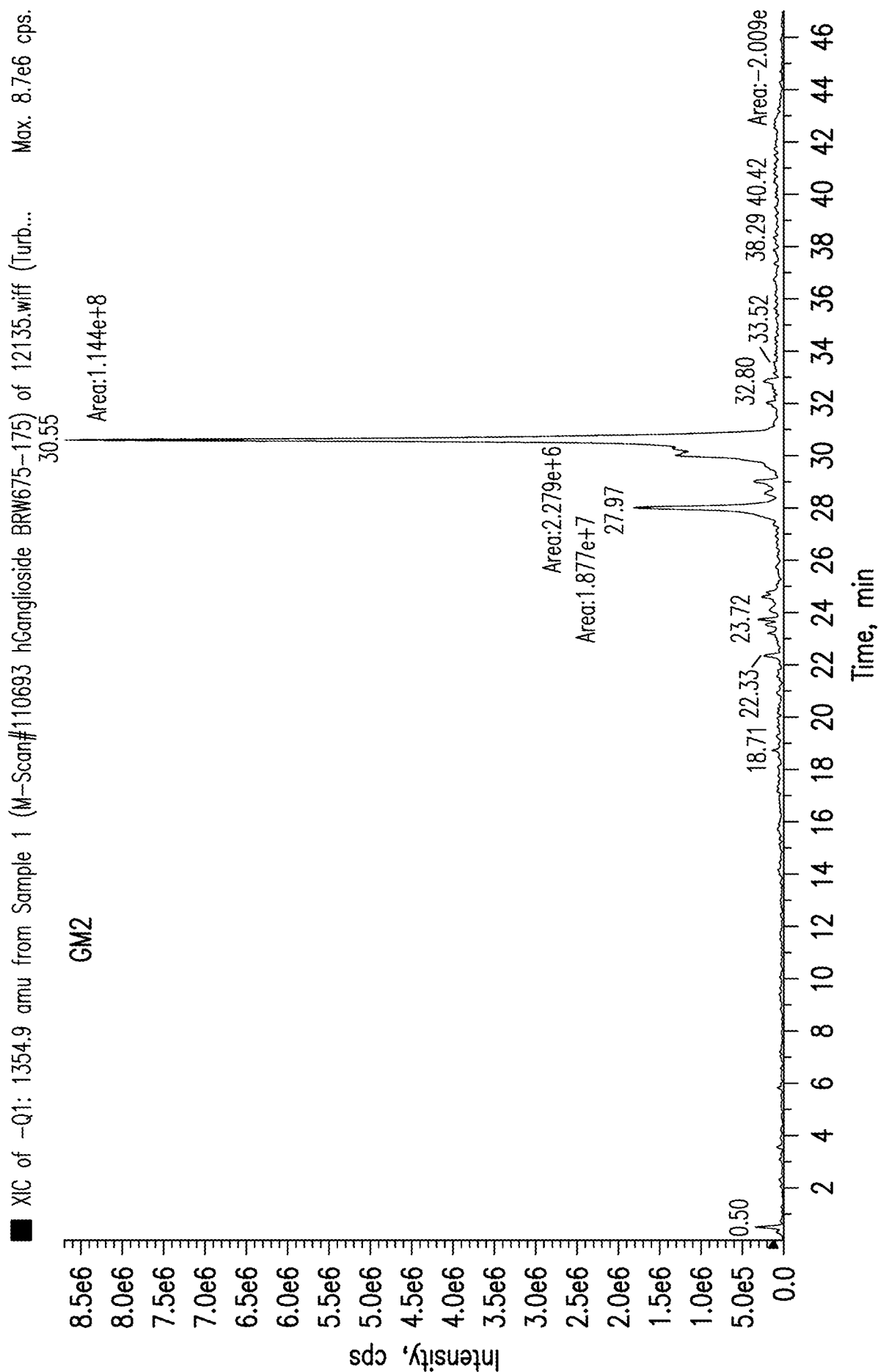


FIG.31

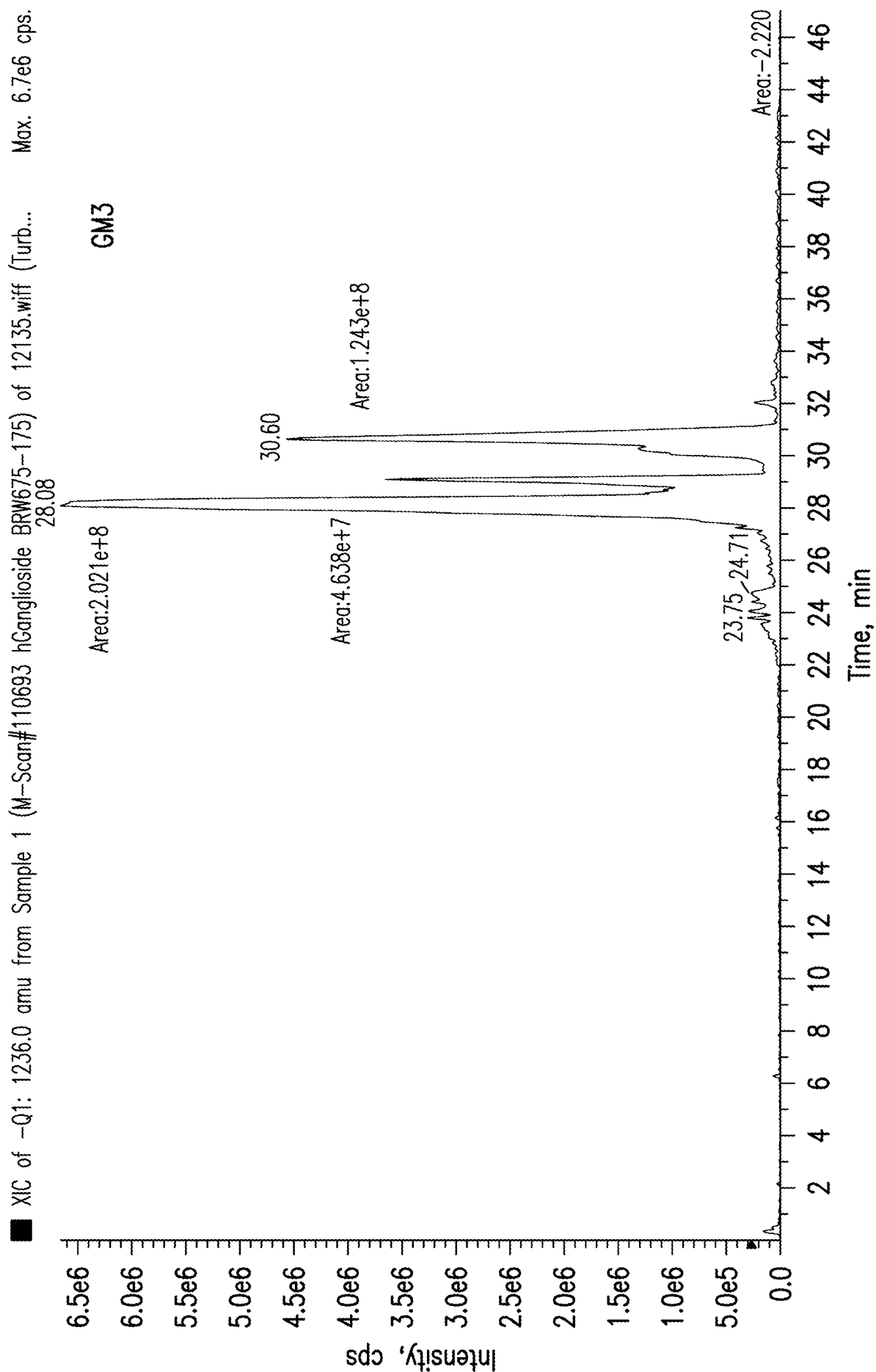


FIG.32

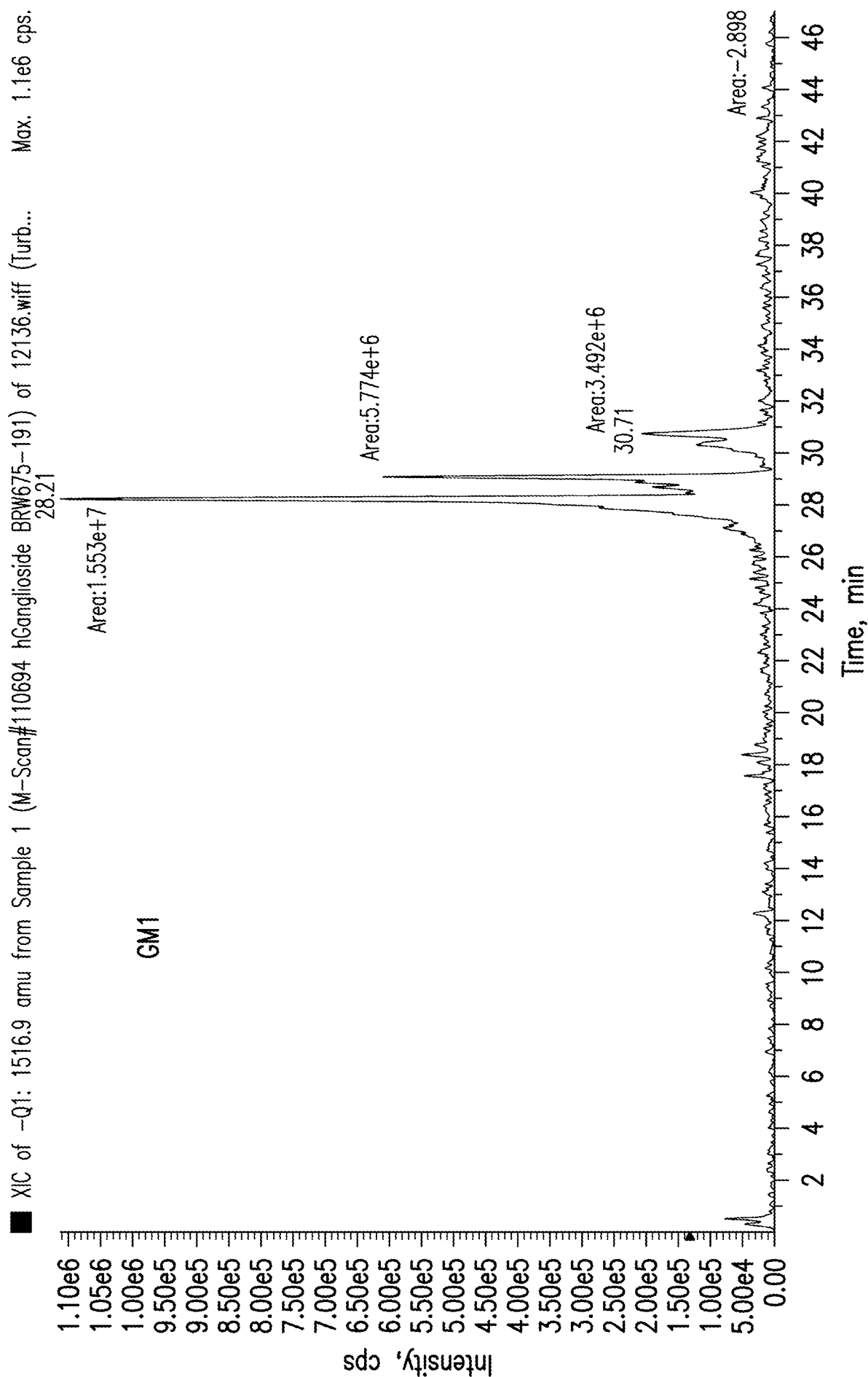


FIG.33

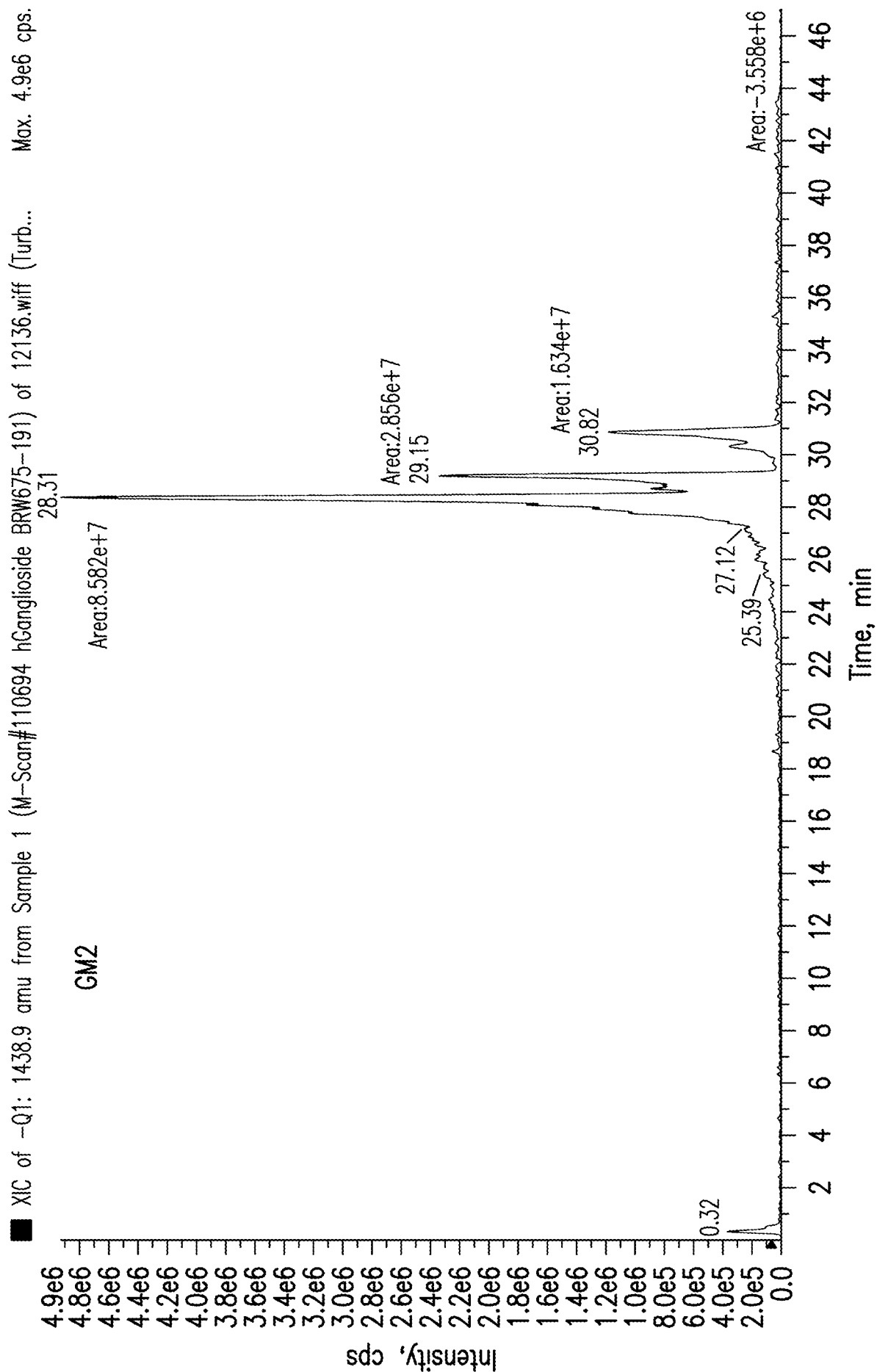


FIG.34

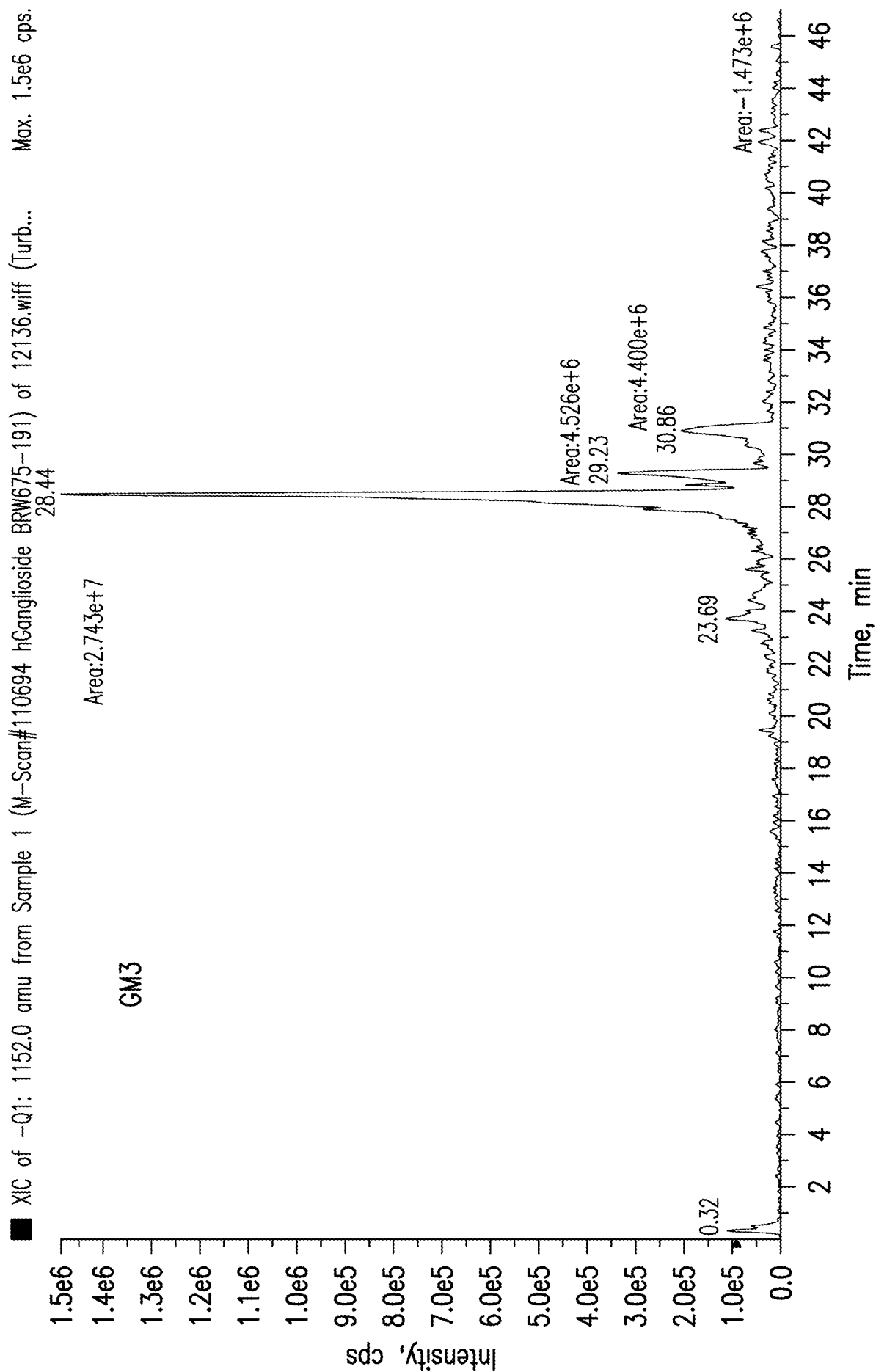


FIG.35