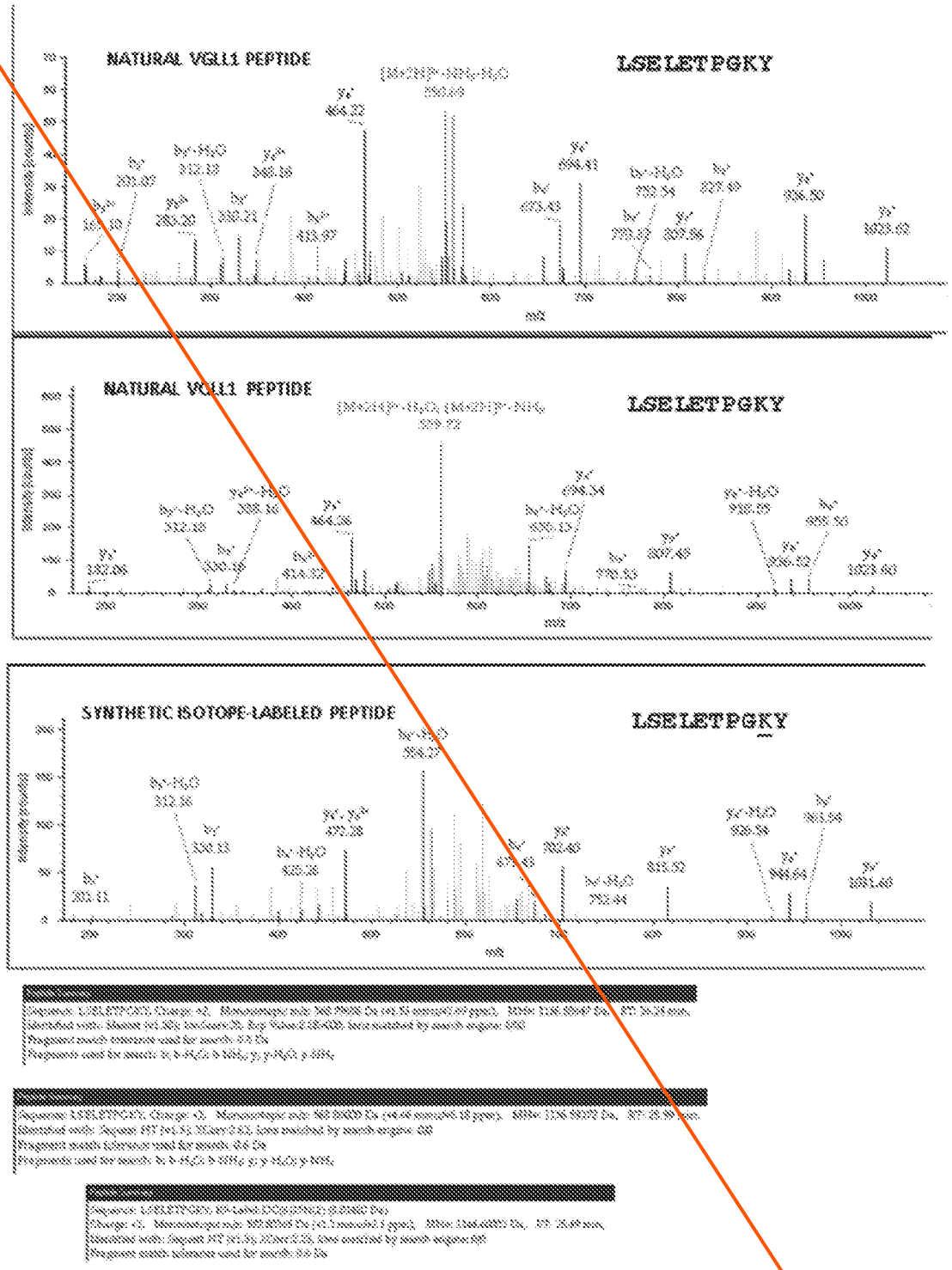

NATURAL VGLL1 PEPTIDE
LSELETPGKY
NATURAL VGLL1 PEPTIDE
LSELETPGKY
SYNTHETIC ISOTOPE-LABELED PEPTIDE
LSELETPGKY

FIG. 1A

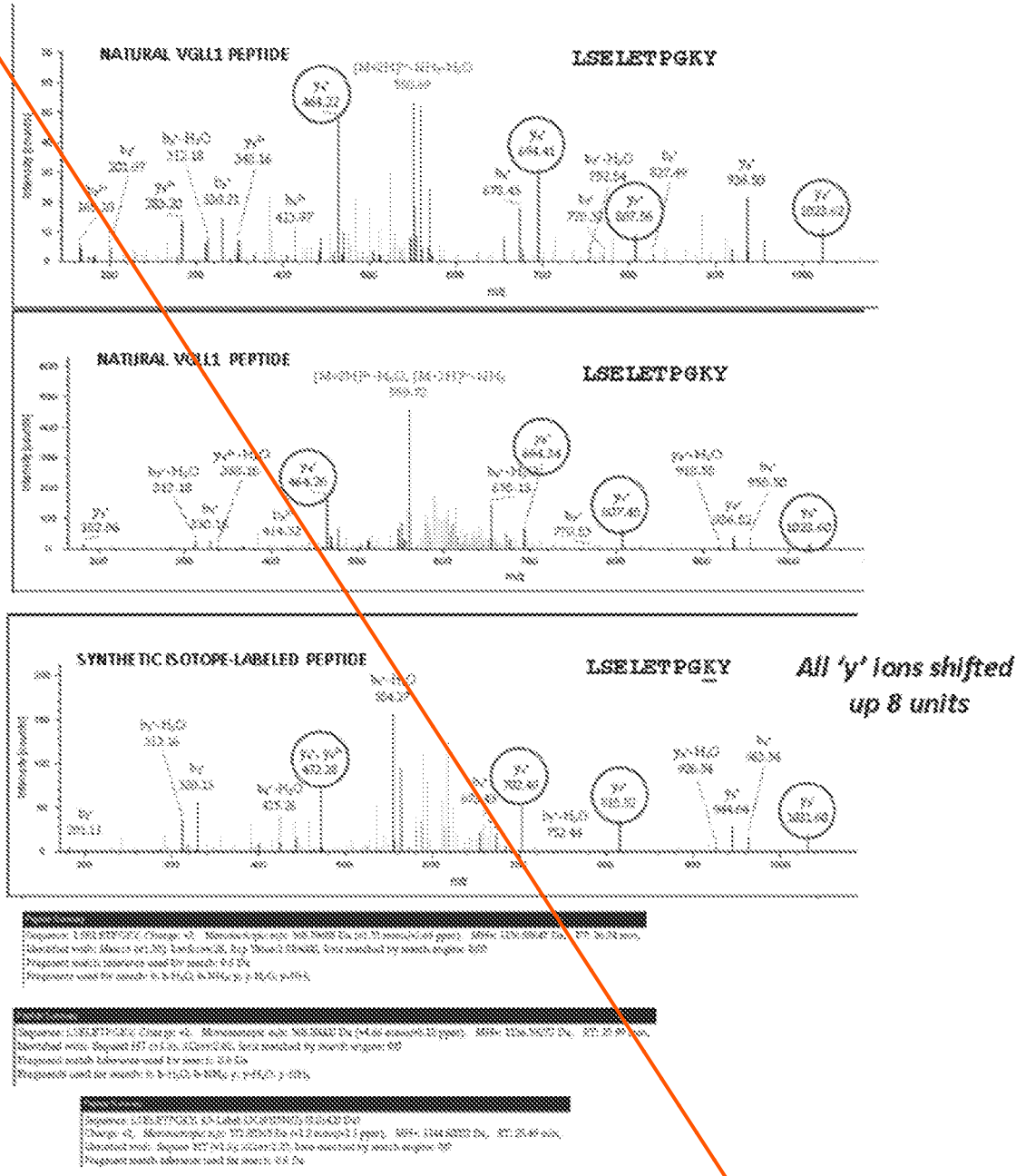

NATURAL VGL1 PEPTIDE
LSELETPGKY
NATURAL VGL1 PEPTIDE
LSELETPGKY
SYNTHETIC ISOTOPE-LABELED PEPTIDE
LSELETPGKY
All 'y' ions shifted up 8 units

FIG. 1B

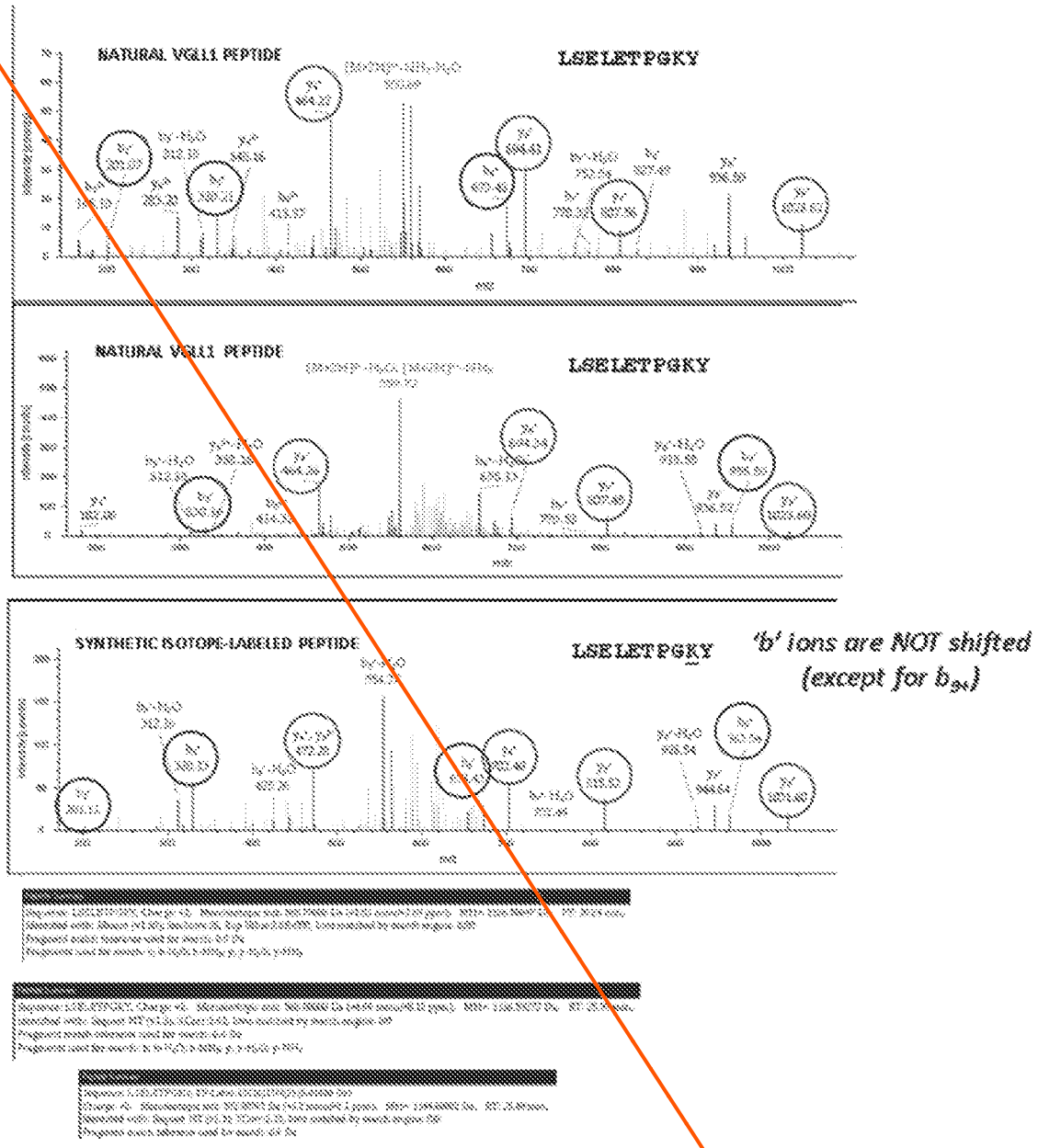

NATURAL VGLL1 PEPTIDE
LSELETPGKY
NATURAL VGLL1 PEPTIDE
LSELETPGKY
SYNTHETIC ISOTOPE-LABELED PEPTIDE
LSELETPGKY
'b' ions are NOT shifted
(except for b_{2+})

FIG. 1C

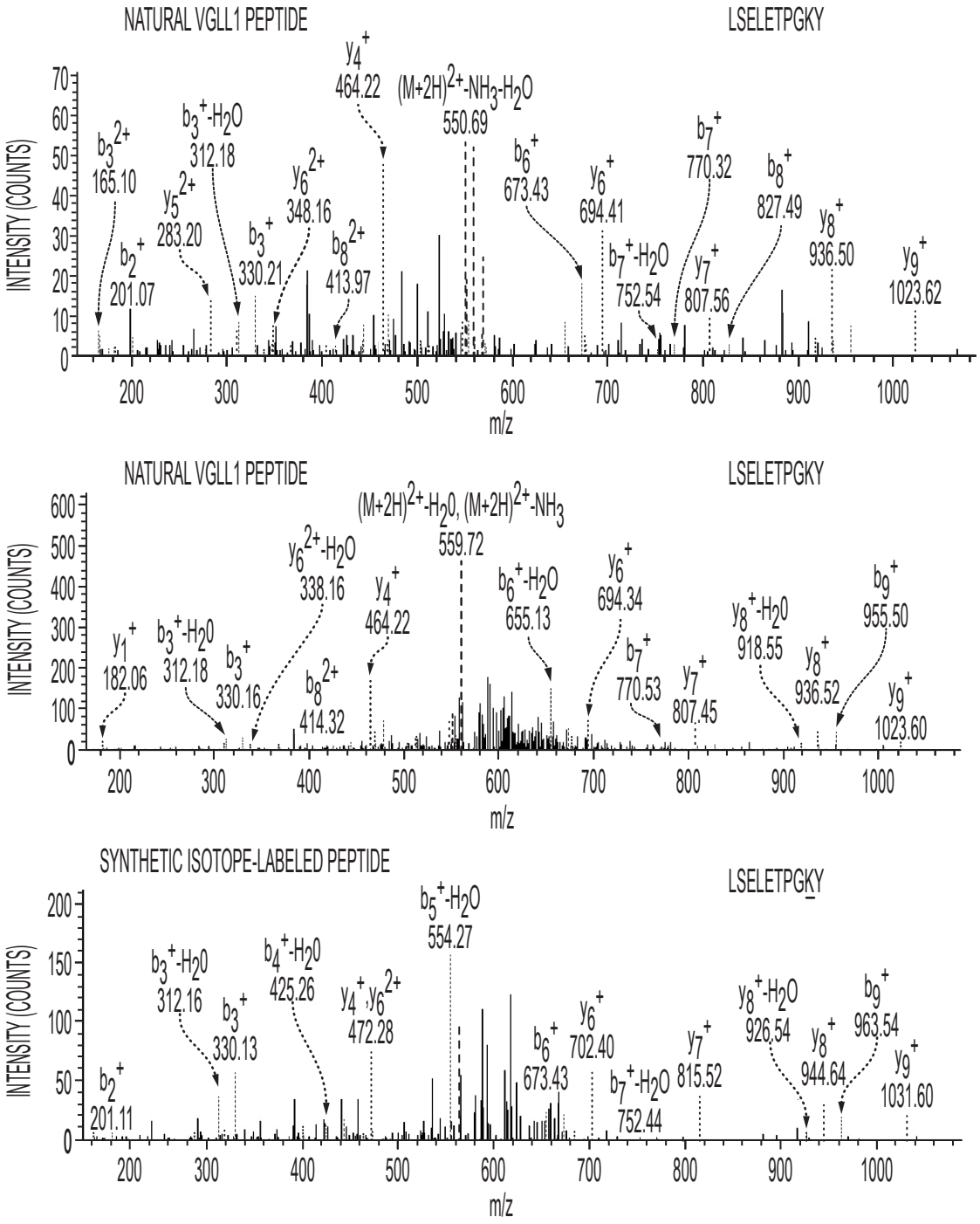

NATURAL VGLL1 PEPTIDE
LSELETPGKY
INTENSITY (COUNTS)
m/z
y_4^+ 464.22
$(M+2H)^{2+}$-NH_3-H_2O 550.69
b_3^+-H_2O 312.18
b_3^{2+} 165.10
y_5^{2+} 283.20
y_6^{2+} 348.16
b_3^+ 330.21
b_8^{2+} 413.97
b_2^+ 201.07
b_6^+ 673.43
y_6^+ 694.41
b_7^+ 770.32
b_8^+ 827.49
y_8^+ 936.50
b_7^+-H_2O 752.54
y_7^+ 807.56
y_9^+ 1023.62
NATURAL VGLL1 PEPTIDE
LSELETPGKY
INTENSITY (COUNTS)
m/z
$(M+2H)^{2+}$-H_2O, $(M+2H)^{2+}$-NH_3 559.72
y_6^{2+}-H_2O 338.16
y_4^+ 464.22
b_6^+-H_2O 655.13
y_6^+ 694.34
b_9^+ 955.50
y_1^+ 182.06
b_3^+-H_2O 312.18
b_3^+ 330.16
b_8^{2+} 414.32
b_7^+ 770.53
y_7^+ 807.45
y_8^+-H_2O 918.55
y_8^+ 936.52
y_9^+ 1023.60
SYNTHETIC ISOTOPE-LABELED PEPTIDE
LSELETPGKY
INTENSITY (COUNTS)
m/z
b_5^+-H_2O 554.27
b_3^+-H_2O 312.16
b_4^+-H_2O 425.26
b_3^+ 330.13
y_4^+,y_6^{2+} 472.28
b_2^+ 201.11
b_6^+ 673.43
y_6^+ 702.40
b_7^+-H_2O 752.44
y_7^+ 815.52
y_8^+-H_2O 926.54
y_8^+ 944.64
b_9^+ 963.54
y_9^+ 1031.60

FIG. 1A

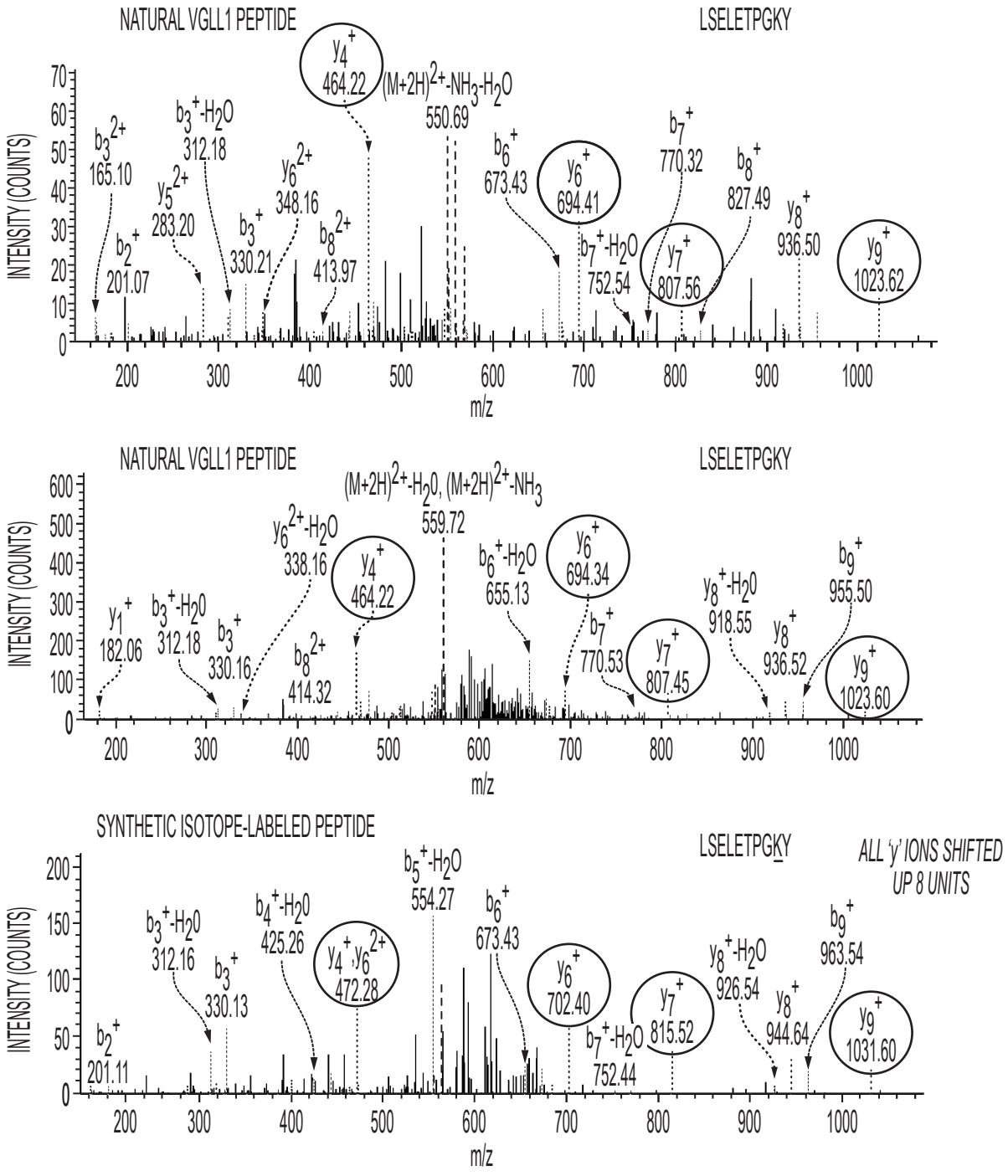

NATURAL VGLL1 PEPTIDE
LSELETPGKY
INTENSITY (COUNTS)
m/z
y4+ 464.22
(M+2H)2+-NH3-H2O 550.69
b3+-H2O 312.18
b3 2+ 165.10
y5 2+ 283.20
y6 2+ 348.16
b6+ 673.43
y6+ 694.41
b7+ 770.32
b8+ 827.49
y8+ 936.50
y9+ 1023.62
b2+ 201.07
b3+ 330.21
b8 2+ 413.97
b7+-H2O 752.54
y7+ 807.56
NATURAL VGLL1 PEPTIDE
LSELETPGKY
(M+2H)2+-H2O, (M+2H)2+-NH3 559.72
y6 2+-H2O 338.16
y4+ 464.22
b6+-H2O 655.13
y6+ 694.34
b9+ 955.50
y8+-H2O 918.55
y1+ 182.06
b3+-H2O 312.18
b3+ 330.16
b8 2+ 414.32
b7+ 770.53
y7+ 807.45
y8+ 936.52
y9+ 1023.60
SYNTHETIC ISOTOPE-LABELED PEPTIDE
LSELETPGKY
ALL 'y' IONS SHIFTED UP 8 UNITS
b5+-H2O 554.27
b4+-H2O 425.26
b6+ 673.43
b3+-H2O 312.16
b3+ 330.13
y4+,y6 2+ 472.28
y6+ 702.40
y8+-H2O 926.54
b9+ 963.54
y7+ 815.52
y8+ 944.64
y9+ 1031.60
b2+ 201.11
b7+-H2O 752.44

FIG. 1B

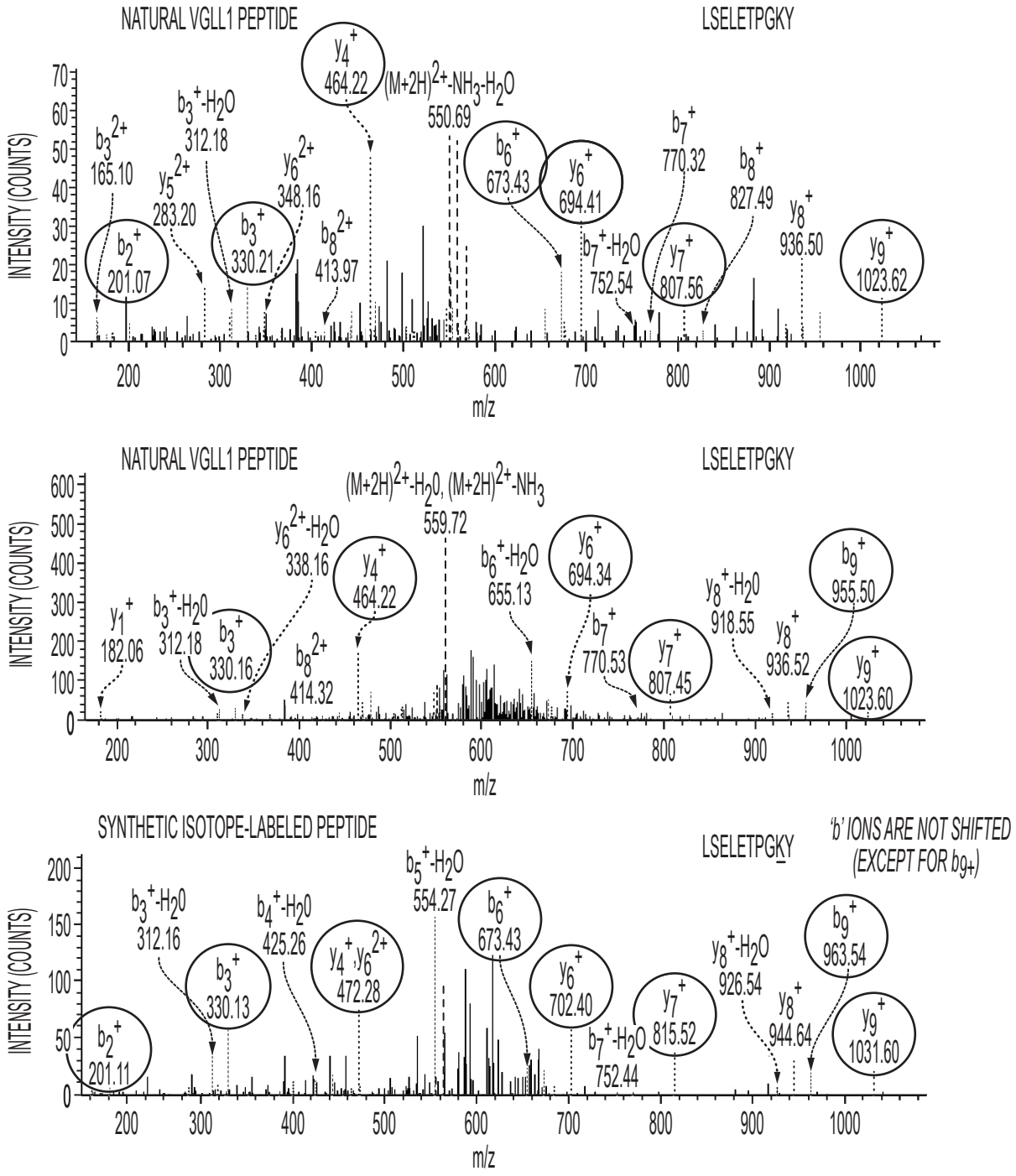

NATURAL VGLL1 PEPTIDE
LSELETPGKY
INTENSITY (COUNTS)
m/z
NATURAL VGLL1 PEPTIDE
LSELETPGKY
INTENSITY (COUNTS)
m/z
SYNTHETIC ISOTOPE-LABELED PEPTIDE
LSELETPGKY
'b' IONS ARE NOT SHIFTED
(EXCEPT FOR b9+)
INTENSITY (COUNTS)
m/z

FIG. 1C