MZ Biolabs
2102 N Country Club Rd
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Certificate of Analysis

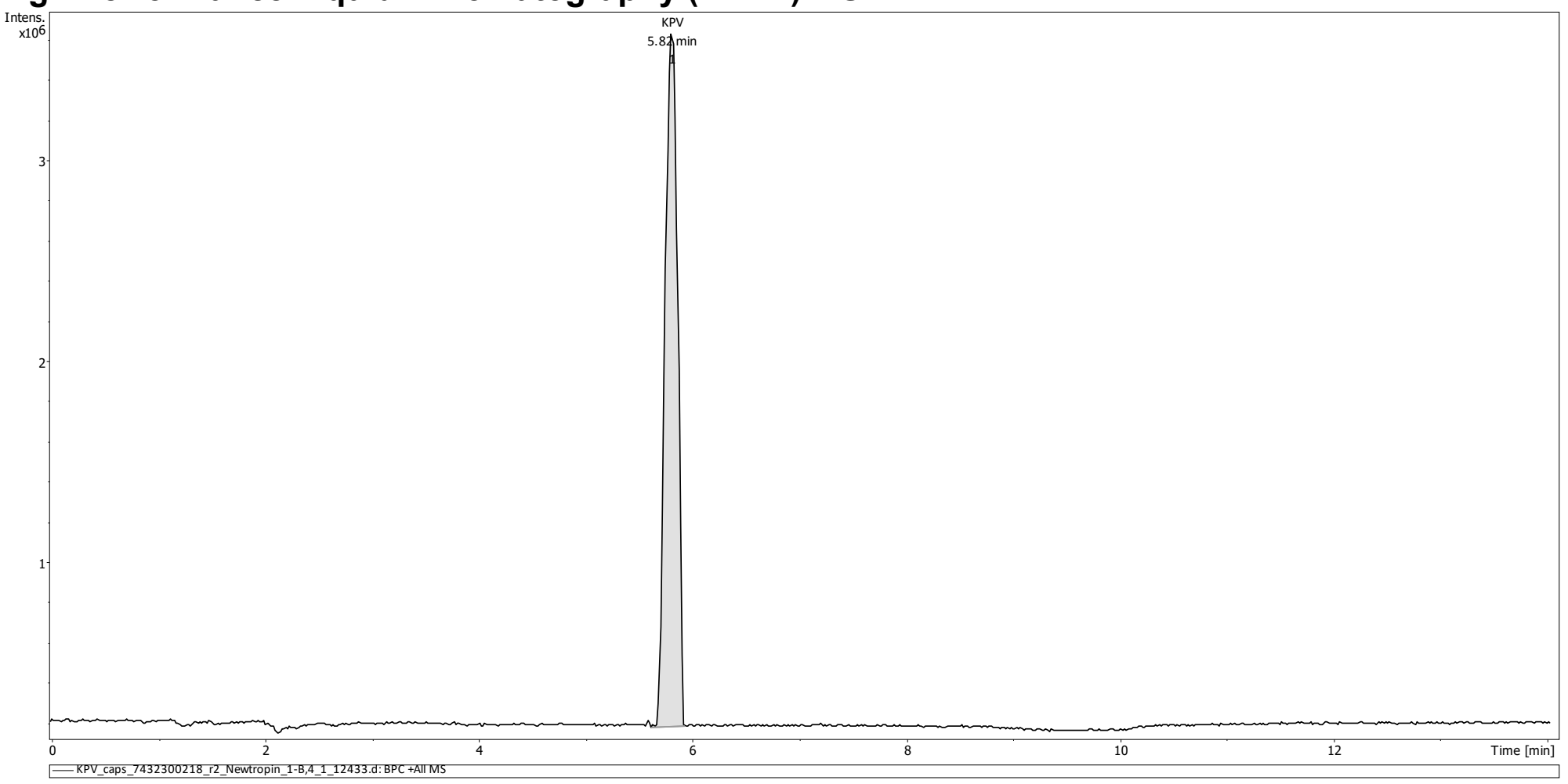
KPV

Lysine-Proline-Valine

Compound : **KPV** **Client :** **Newtropin**
Lot number : **7432300218**
Analysis date : **2025-05-20**
Quantity : **539.04 mcg/capsule**
Method : **HPLC-MS**

PubChem CID : 125672
https://pubchem.ncbi.nlm.nih.gov/compound/125672

High Performance Liquid Chromatography (HPLC) MS



KPV detected at 5.82 minutes

Background peaks due to capsule filler

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com

Quantification by HPLC-UV

Replicates	mcg/capsule
KPV_caps_7432300218_r1	560.94
KPV_caps_7432300218_r2	473.84
KPV_caps_7432300218_r3	582.34
Average mcg/capsule	**539.04**

2025-05-30

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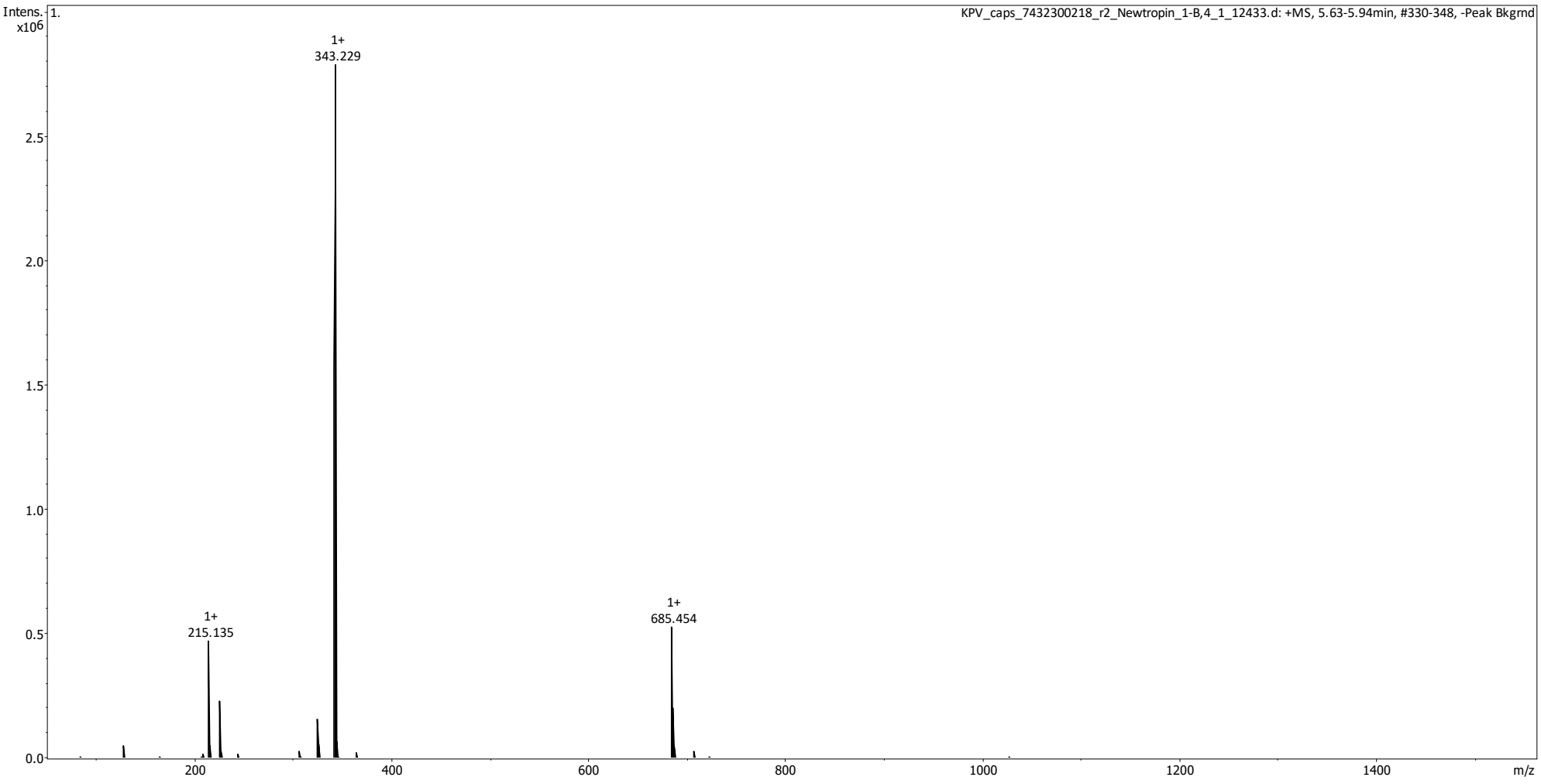
Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum
Expected monoisotopic mass : 342.23 Da
Measured monoisotopic mass : 342.23 Da

Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.
The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



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2025-05-30