



PROOF OF AUTHENTICITY



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Certificate of Analysis

KLOW (GHK-Cu, BPC-157, Thymosin beta4, KPV)

Compounds : **KPV, GHK-CU**
BPC-157, Thymosin beta4

Client : **Biotech Peptides**

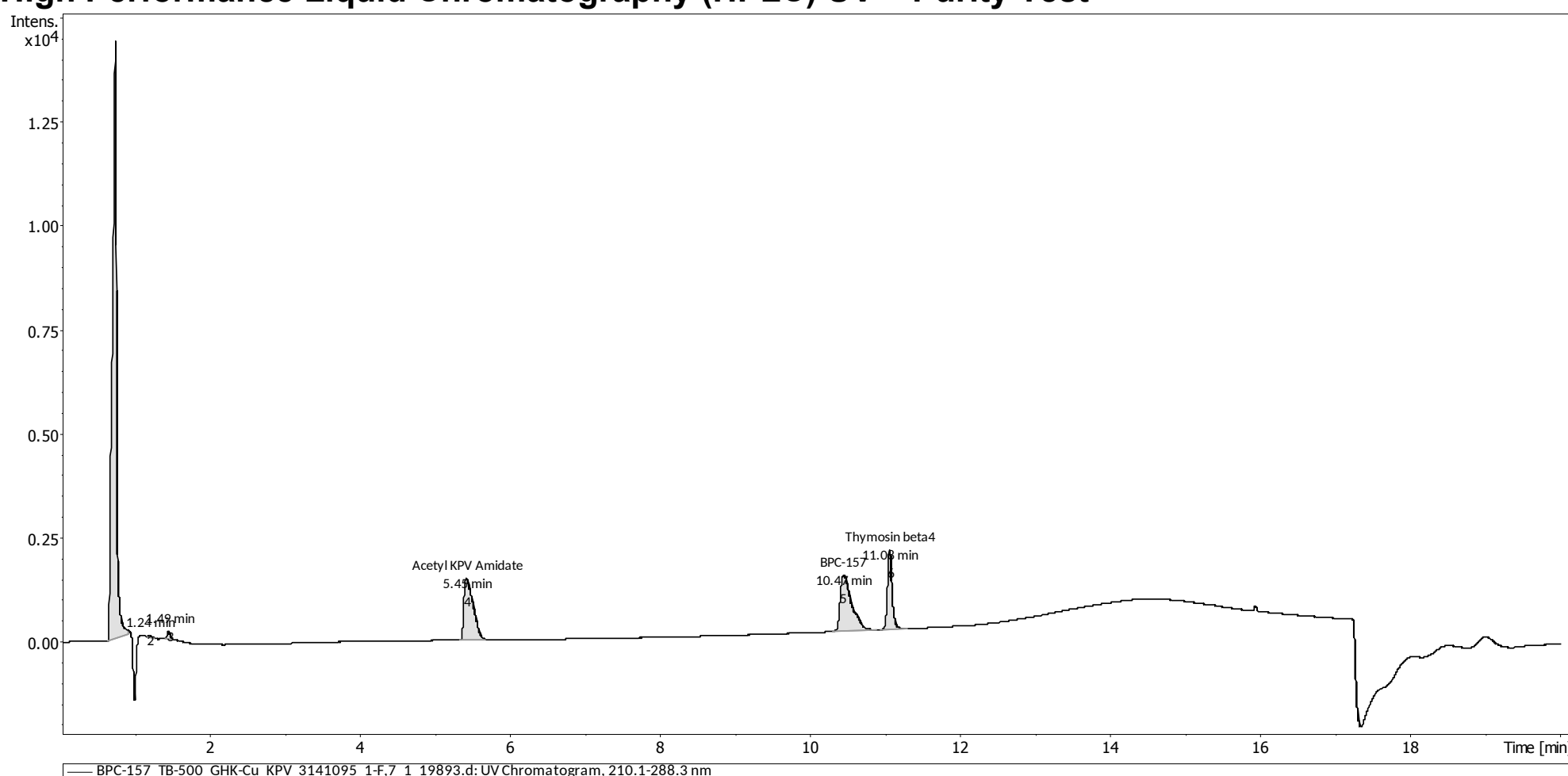
Lot number : **3141095**

Analysis date : **2026-08-10**

Purity % : **99.33%**

Method : **HPLC-UV-MS**

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST

Number of detected peaks: 6

	Time (min)	Area	%Area	
1	0.78	5.57E+04	61.02	GHK-Cu
2	1.24	1.30E+02	0.14	
3	1.49	4.80E+02	0.53	
4	5.45	1.26E+04	13.85	Acetyl KPV amidate
5	10.47	1.42E+04	15.57	BPC-157
6	11.08	8.12E+03	8.89	Thymosin beta4

Overall Purity : **99.33**

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
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2026-08-20

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers.
These are not normally detected using UV and are not considered impurities.

GHK-Cu, BPC-157, Thymosin beta4, KPV

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

GHK-Cu PubChem CID: 71587328

<https://pubchem.ncbi.nlm.nih.gov/compound/71587328>

Expected monoisotopic mass : 402.10 Da

Measured monoisotopic mass : 402.14 Da

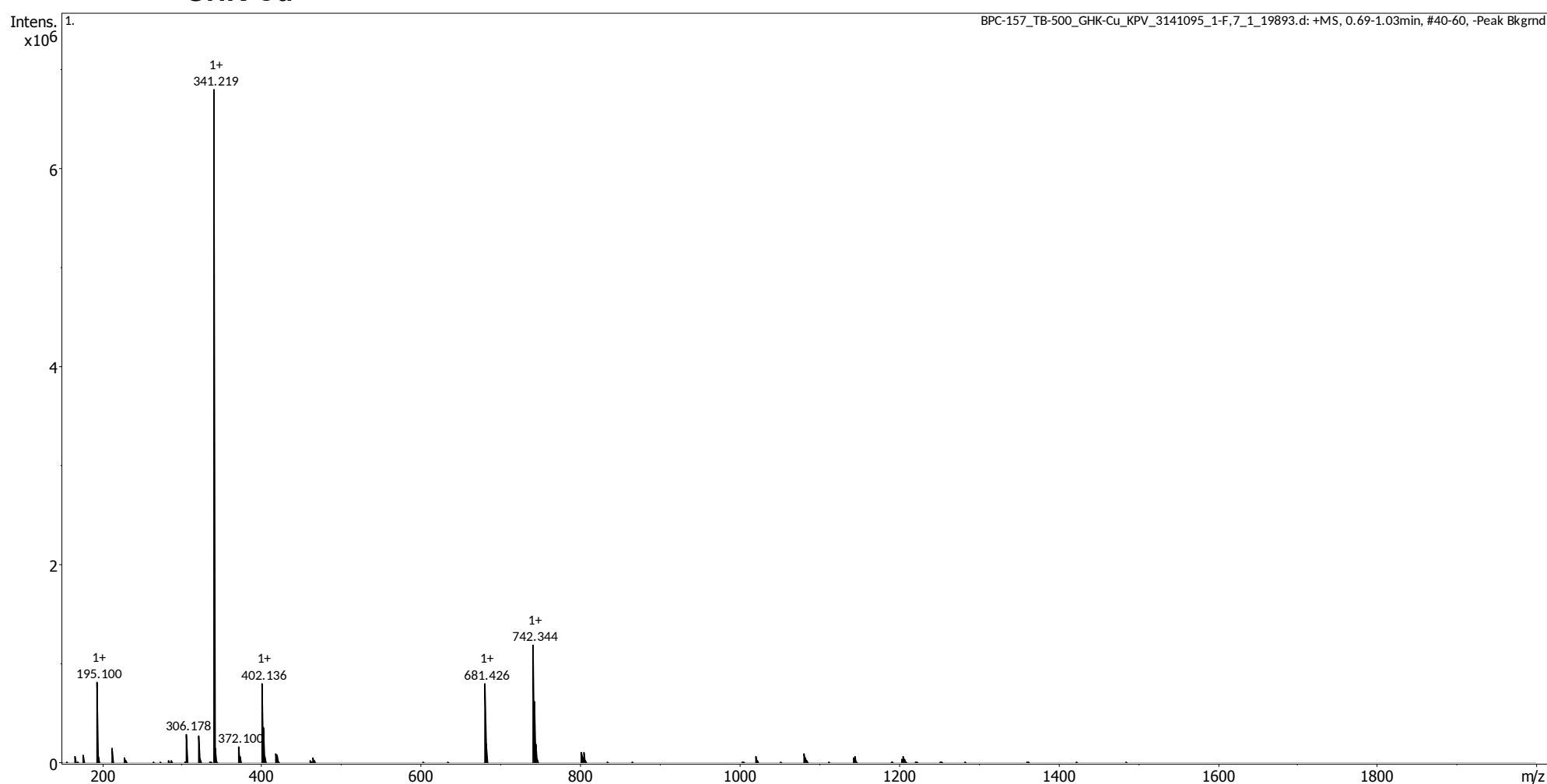
Molecular weight confirmed

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

GHK-Cu



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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

BPC-157 PubChem CID: 9941957

<https://pubchem.ncbi.nlm.nih.gov/compound/9941957>

Expected monoisotopic mass : 1418.70 Da

Measured monoisotopic mass : 1418.83 Da

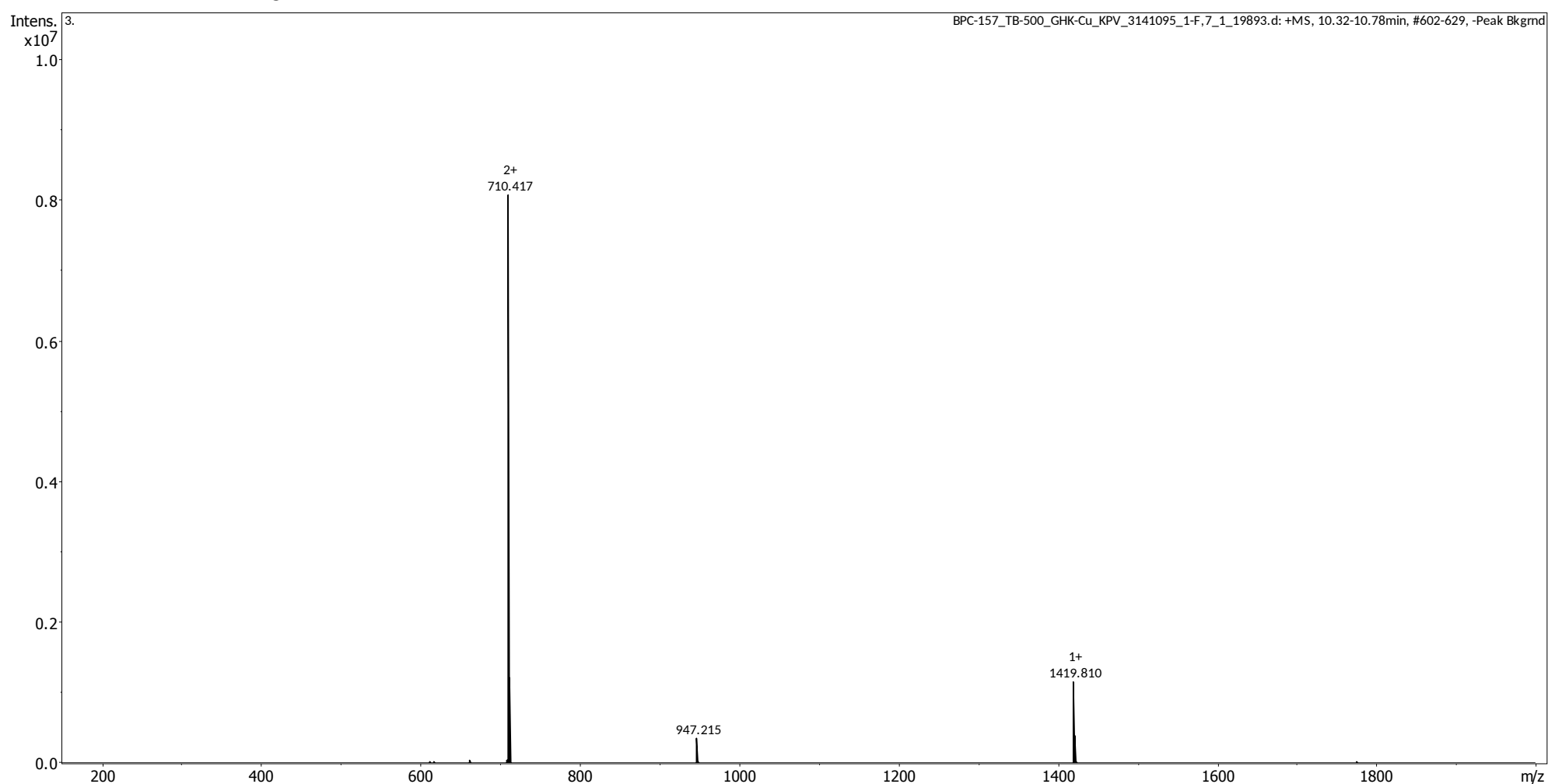
Molecular weight confirmed

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Recorded MS spectrum

BPC-157



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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

Thymosin beta4 PubChem CID: 16132341

<https://pubchem.ncbi.nlm.nih.gov/compound/16132341>

Expected monoisotopic mass : 4960.48 Da

Measured monoisotopic mass : 4960.48 Da

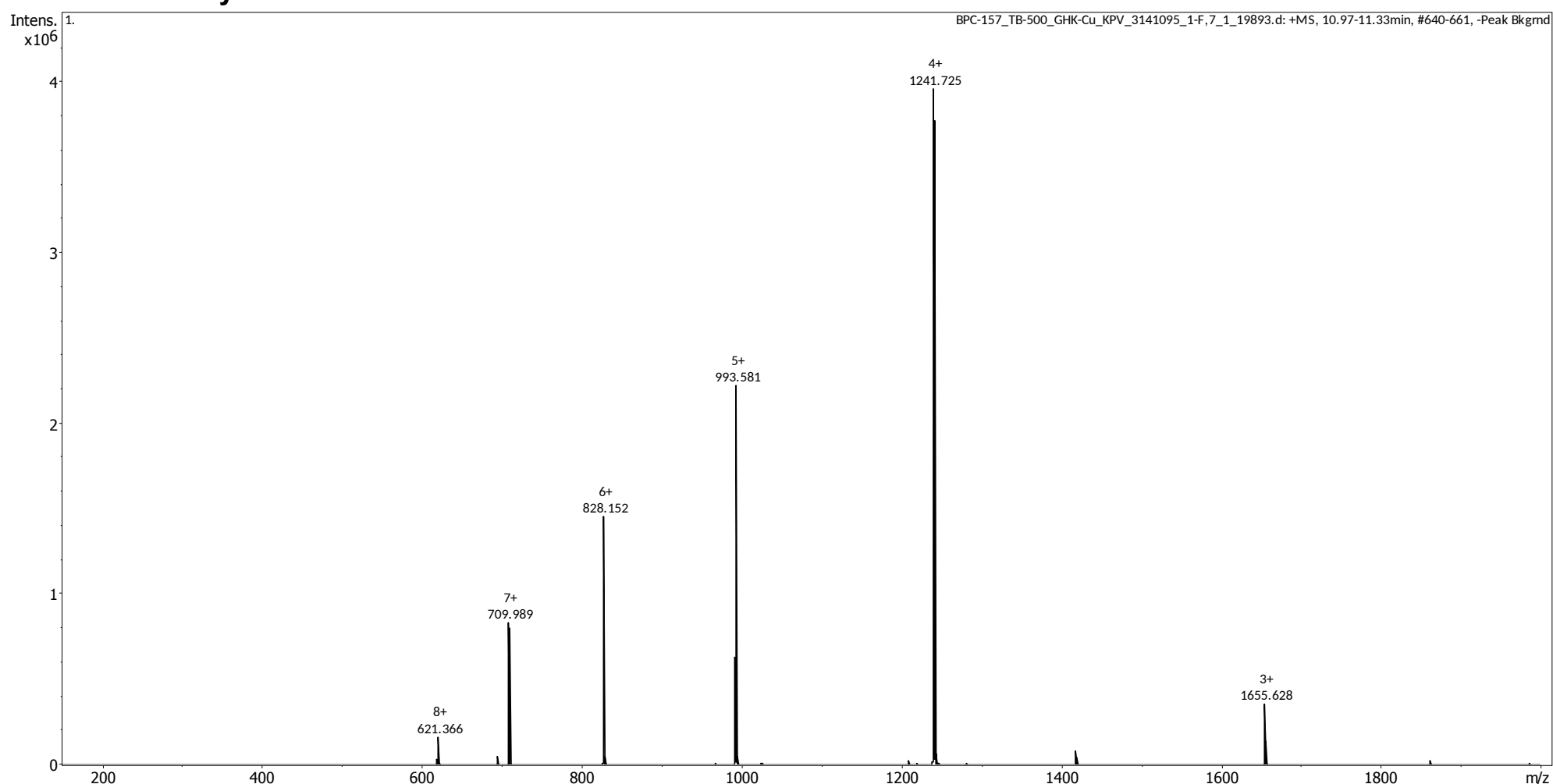
Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.

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Recorded MS spectrum

Thymosin beta4



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GHK-Cu, BPC-157, Thymosin beta4, KPV

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

KPV PubChem CID : 125672

<https://pubchem.ncbi.nlm.nih.gov/compound/125672>

Expected monoisotopic mass : 342.23 Da

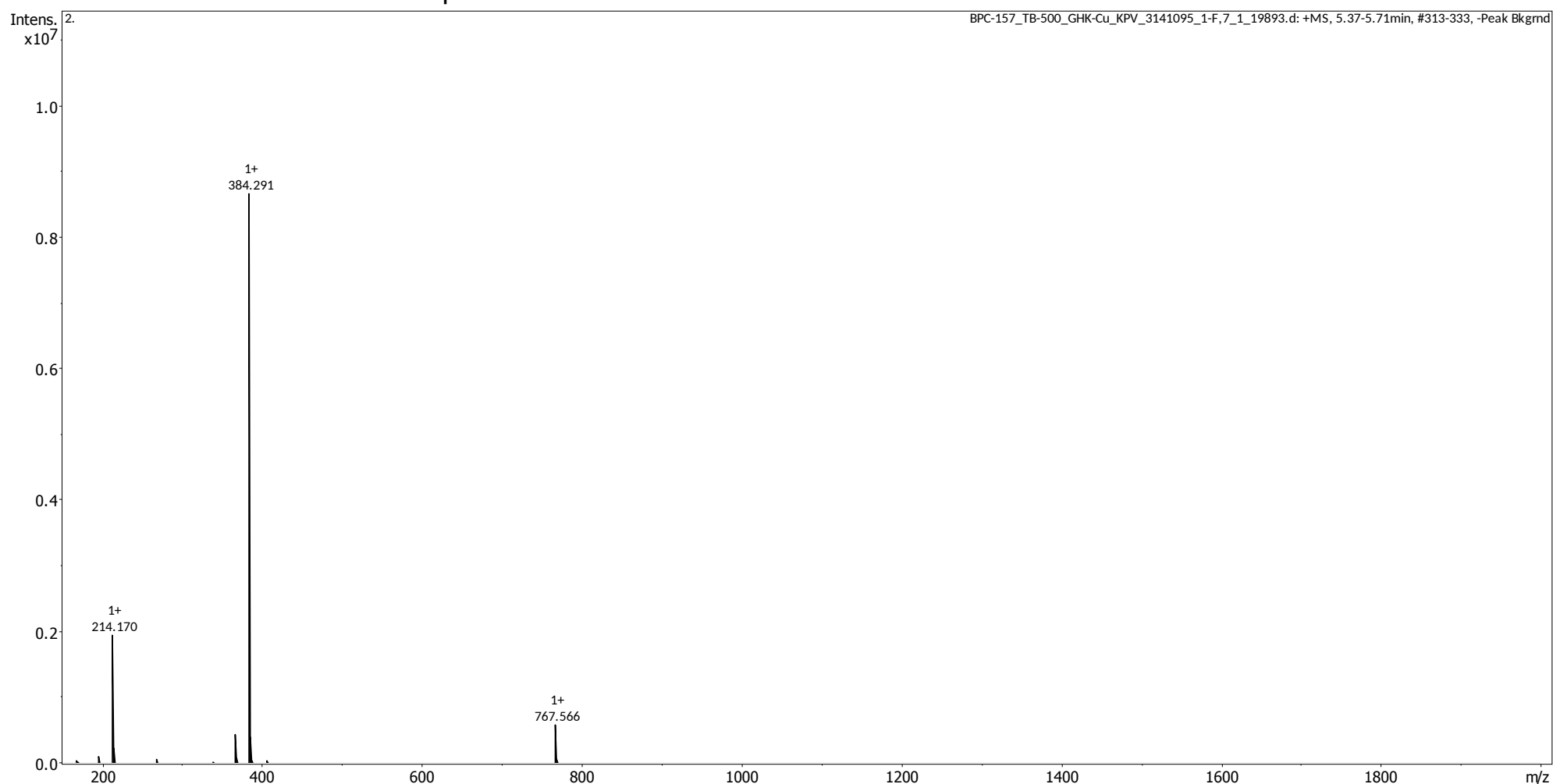
Measured monoisotopic mass : 342.29 Da

Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.

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KPV Recorded MS spectrum



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