# Supplementary File

# Development and Validation for Quantification of Cephapirin and Ceftiofur by Ultraperformance Liquid Chromatography with Triple Quadrupole Mass Spectrometry

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**Validation parameters:**

# Supplementary File

1. **System suitability and Specificity chromatograms:**

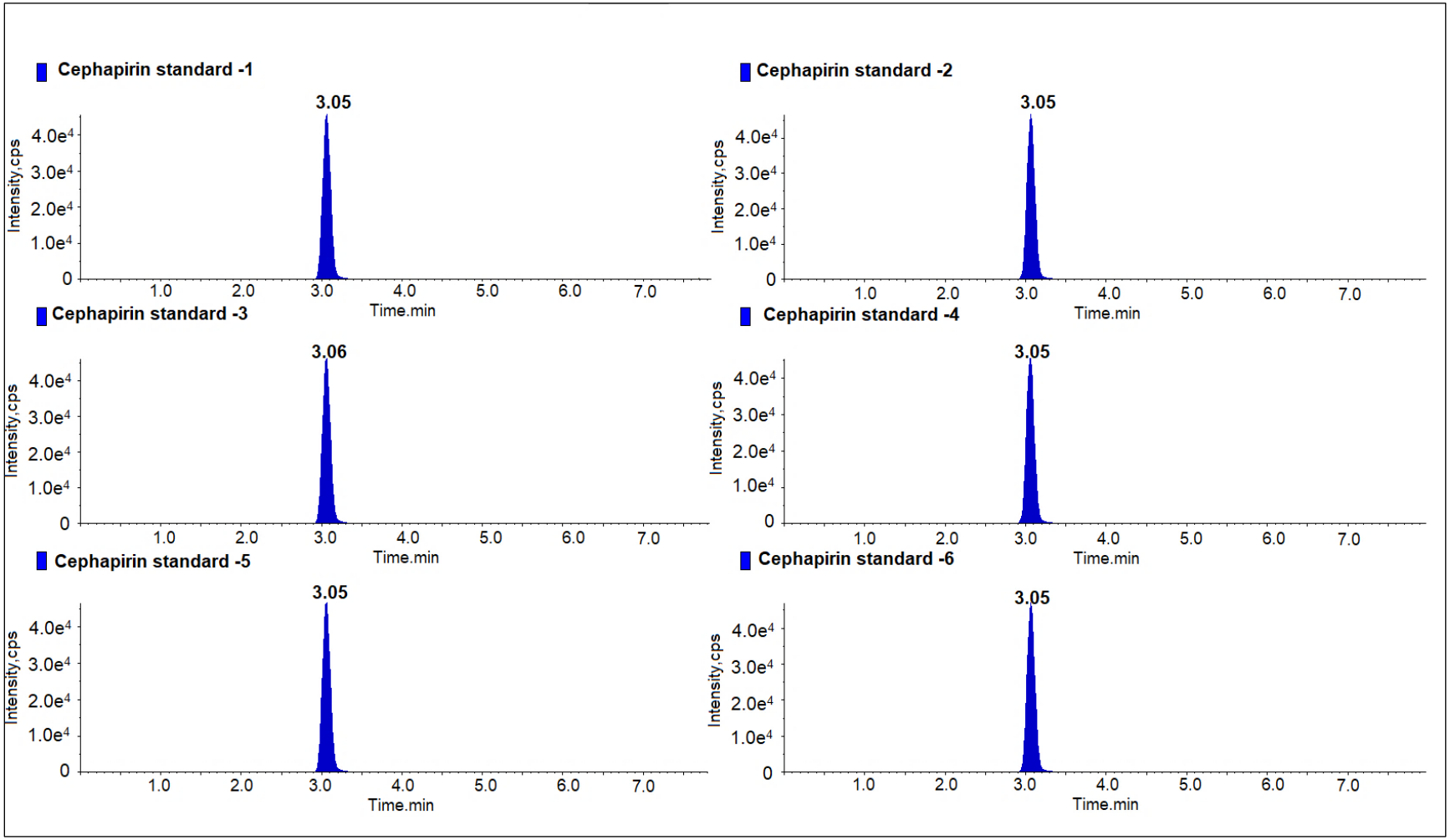


**Figure S1:** MS/MS chromatogram of Cephapirin system suitability standard solution.

**Supplementary File**

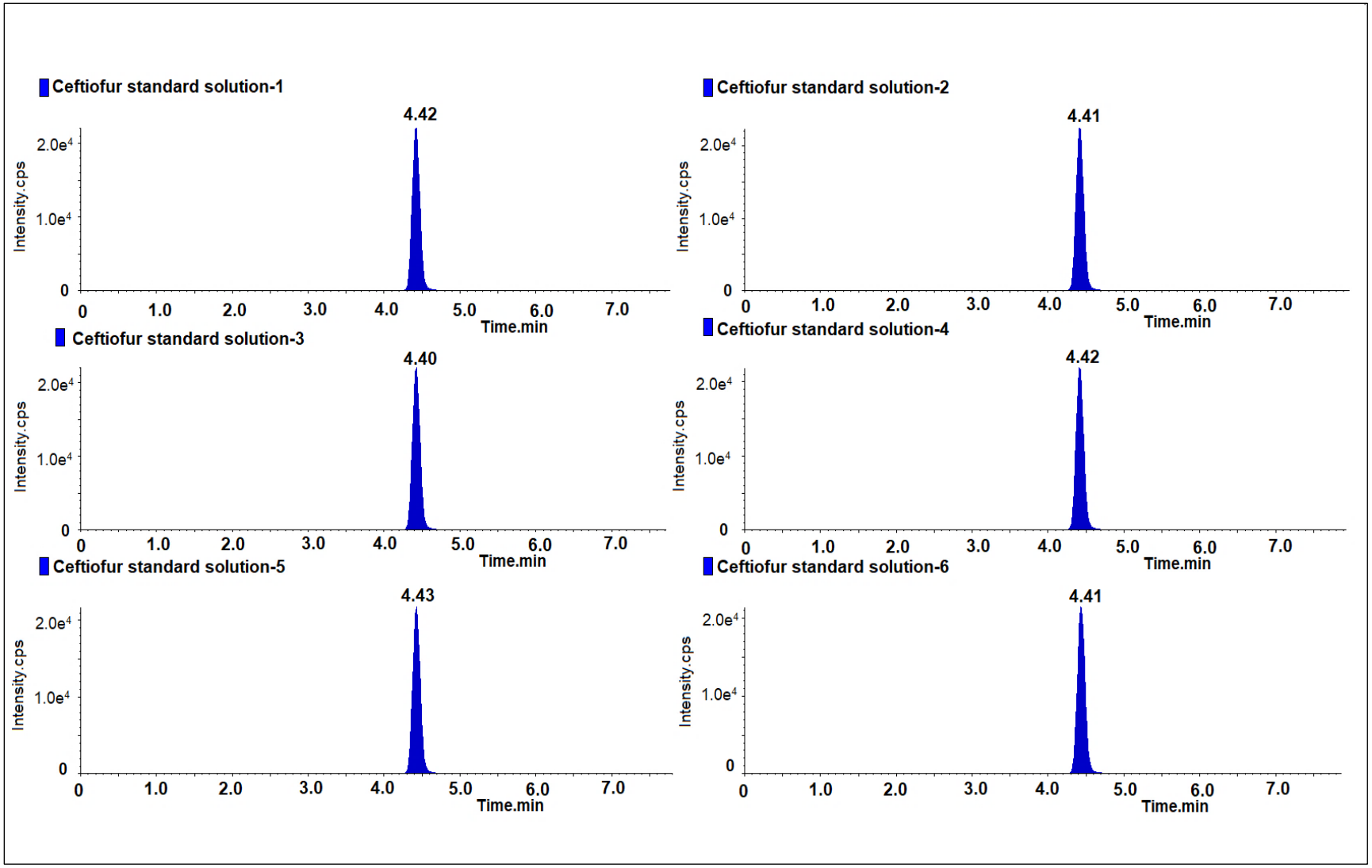


**Figure S2:** MS/MS chromatogram of Ceftiofur system suitability standard solution.

## 2. LOD, LOQ and LOQ precision

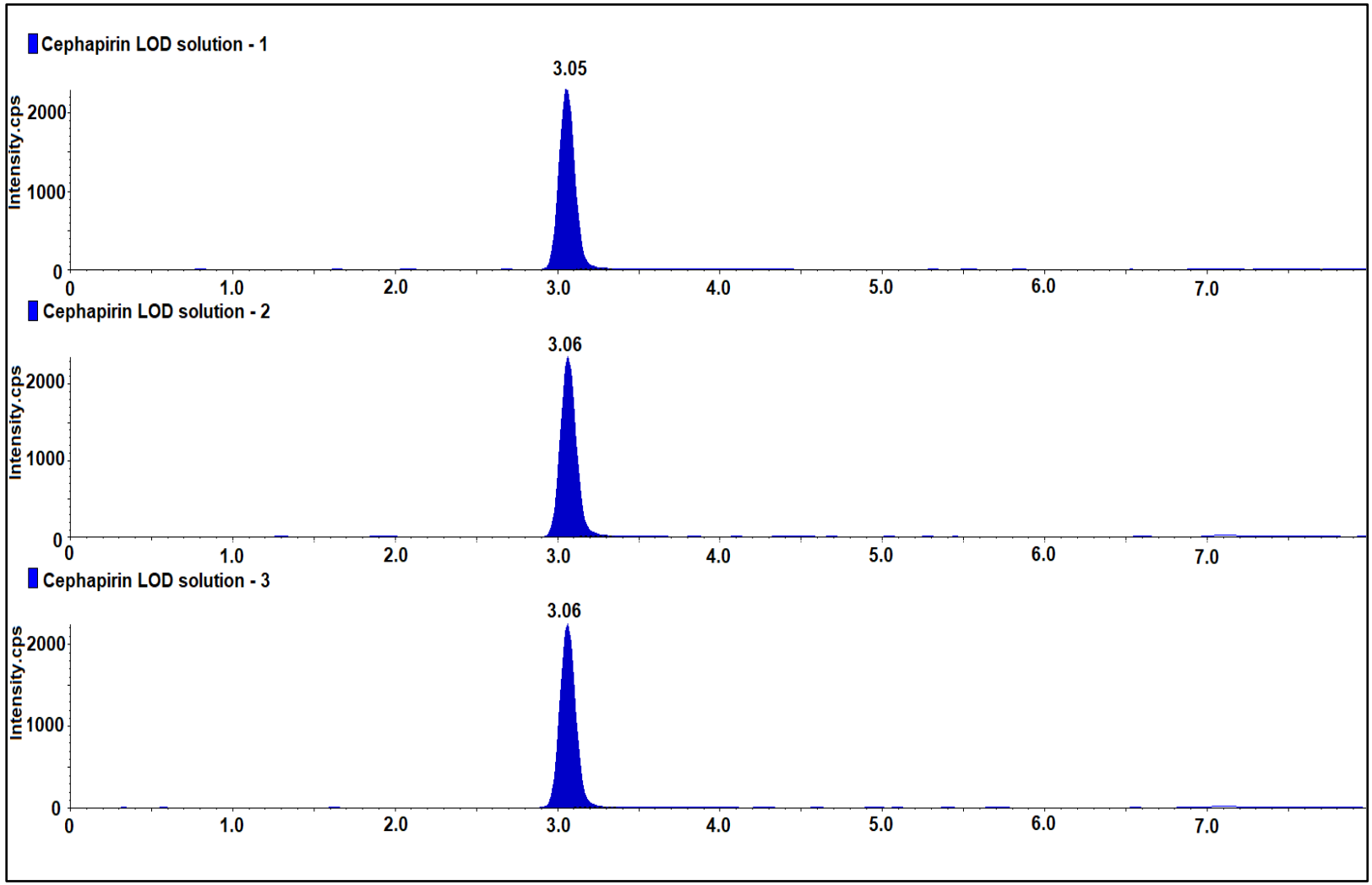


**Figure S3:** MS/MS chromatogram of Cephapirin LOD solution.

**Supplementary File**

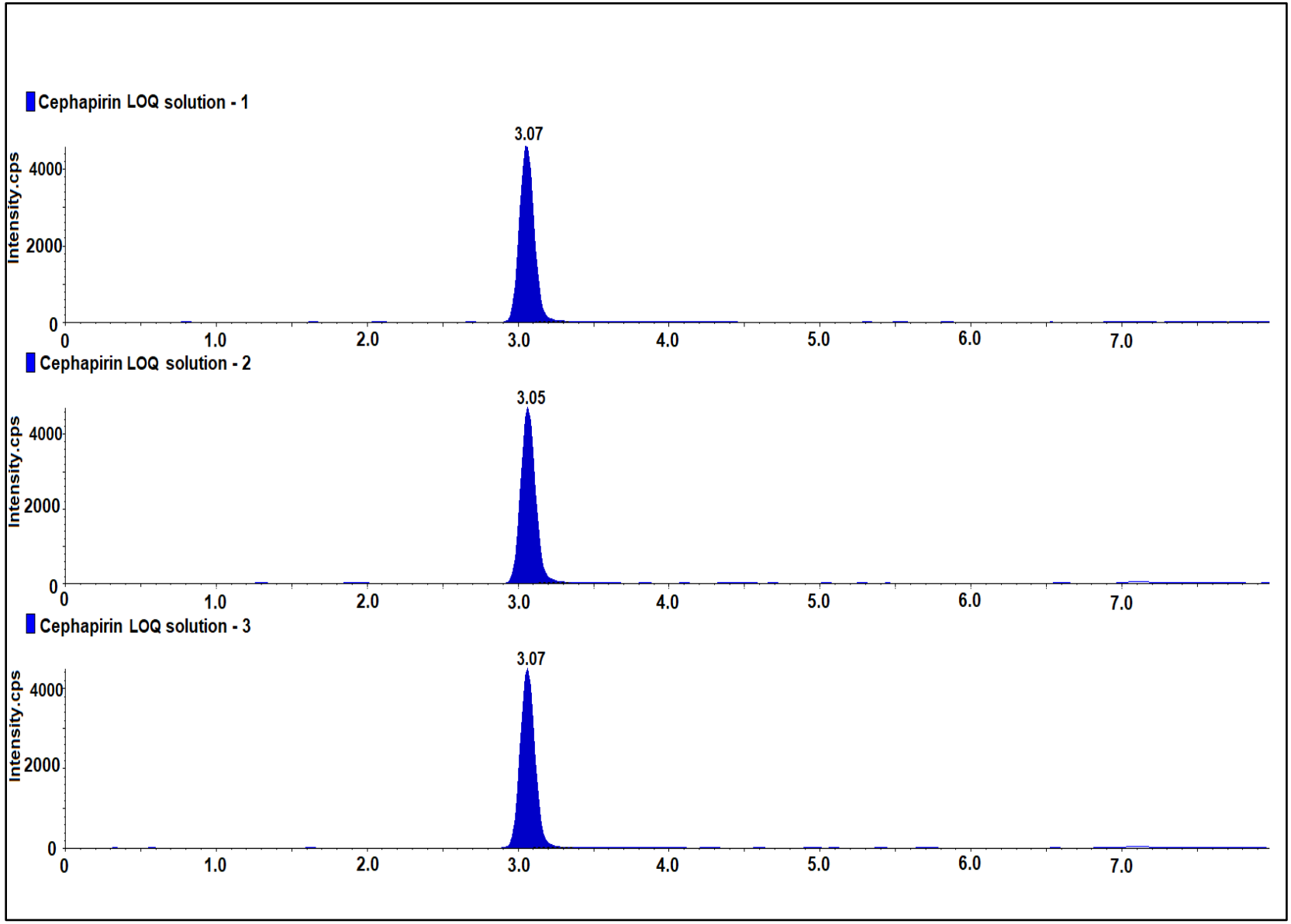


**Figure S4:** MS/MS chromatogram of Cephapirin LOQ solution.

**Supplementary File**

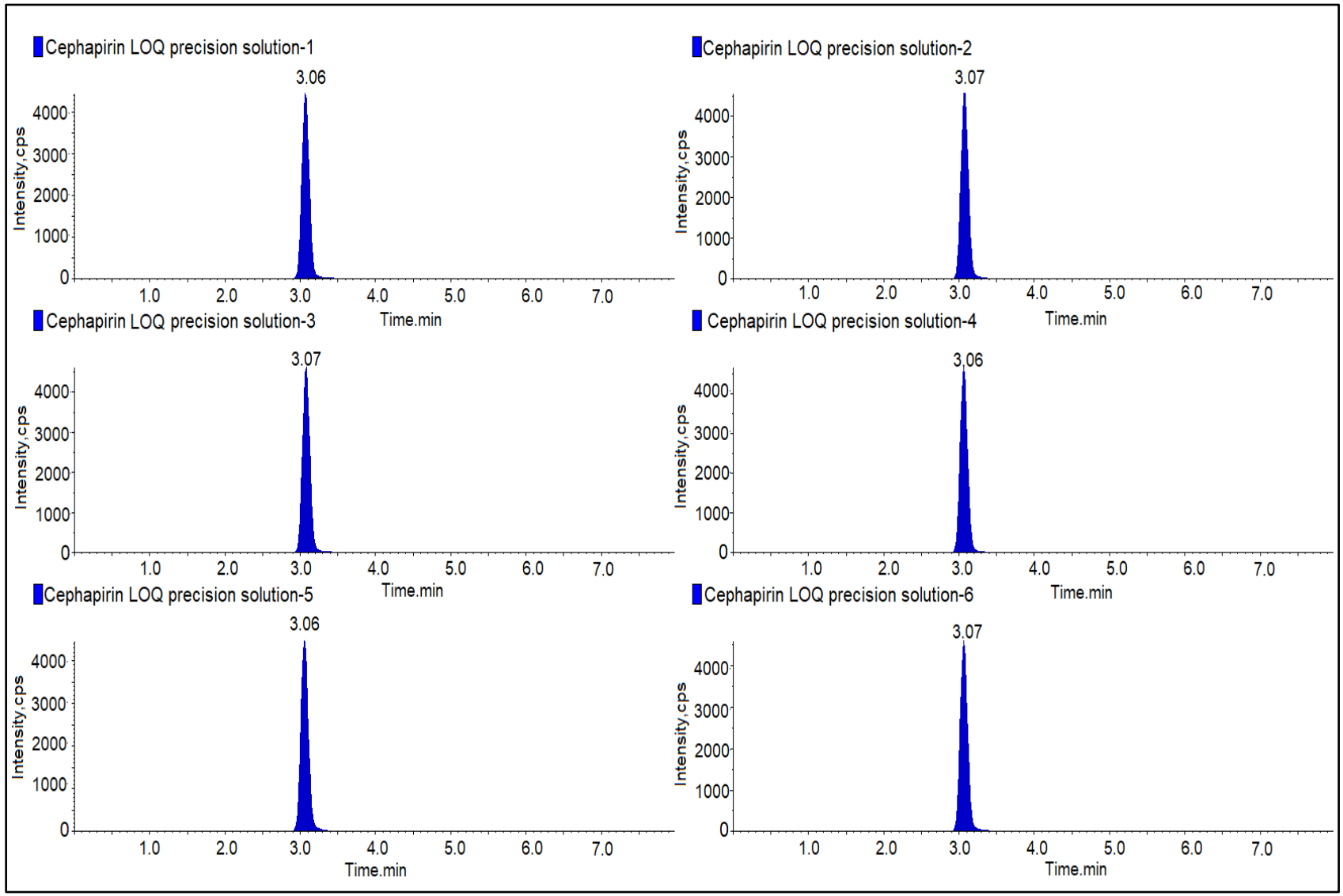


**Figure S5:** MS/MS chromatograms of Cephapirin LOQ Precision.

**Supplementary File**

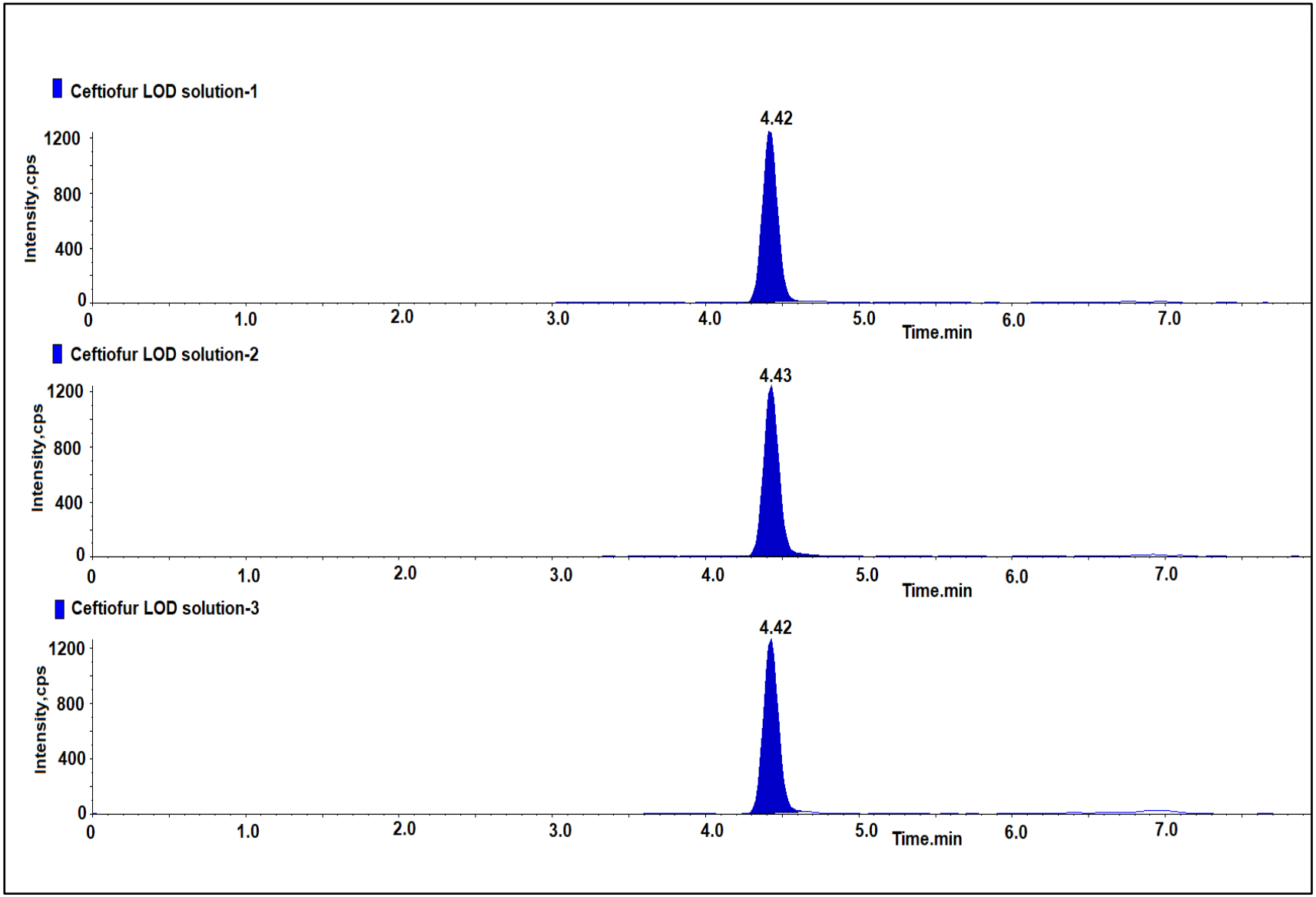


**Figure S6:** MS/MS chromatogram of Ceftiofur LOD solution.

**Supplementary File**

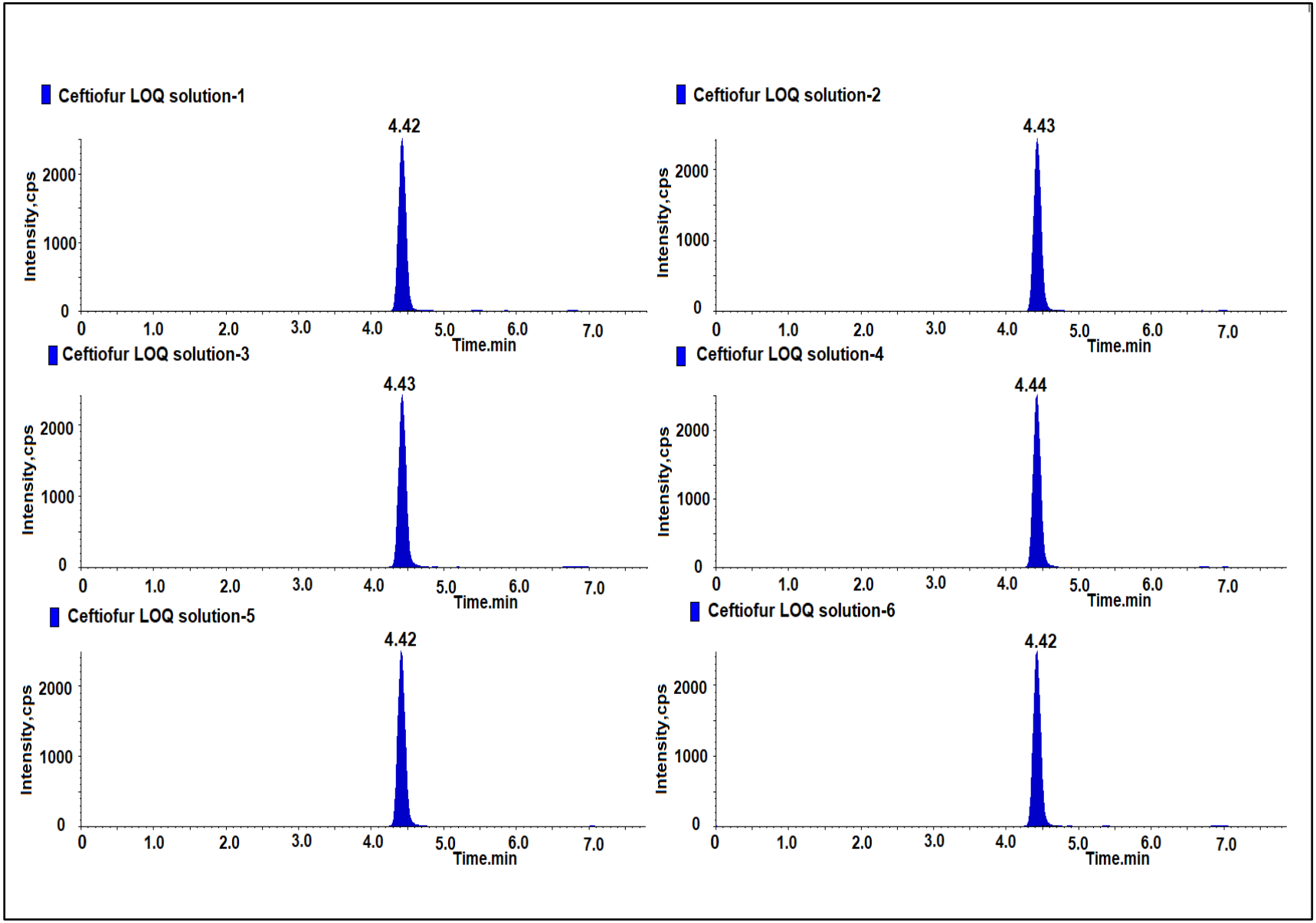


**Figure S7:** MS/MS chromatogram of Ceftiofur LOQ Precision.

## 3. Linearity

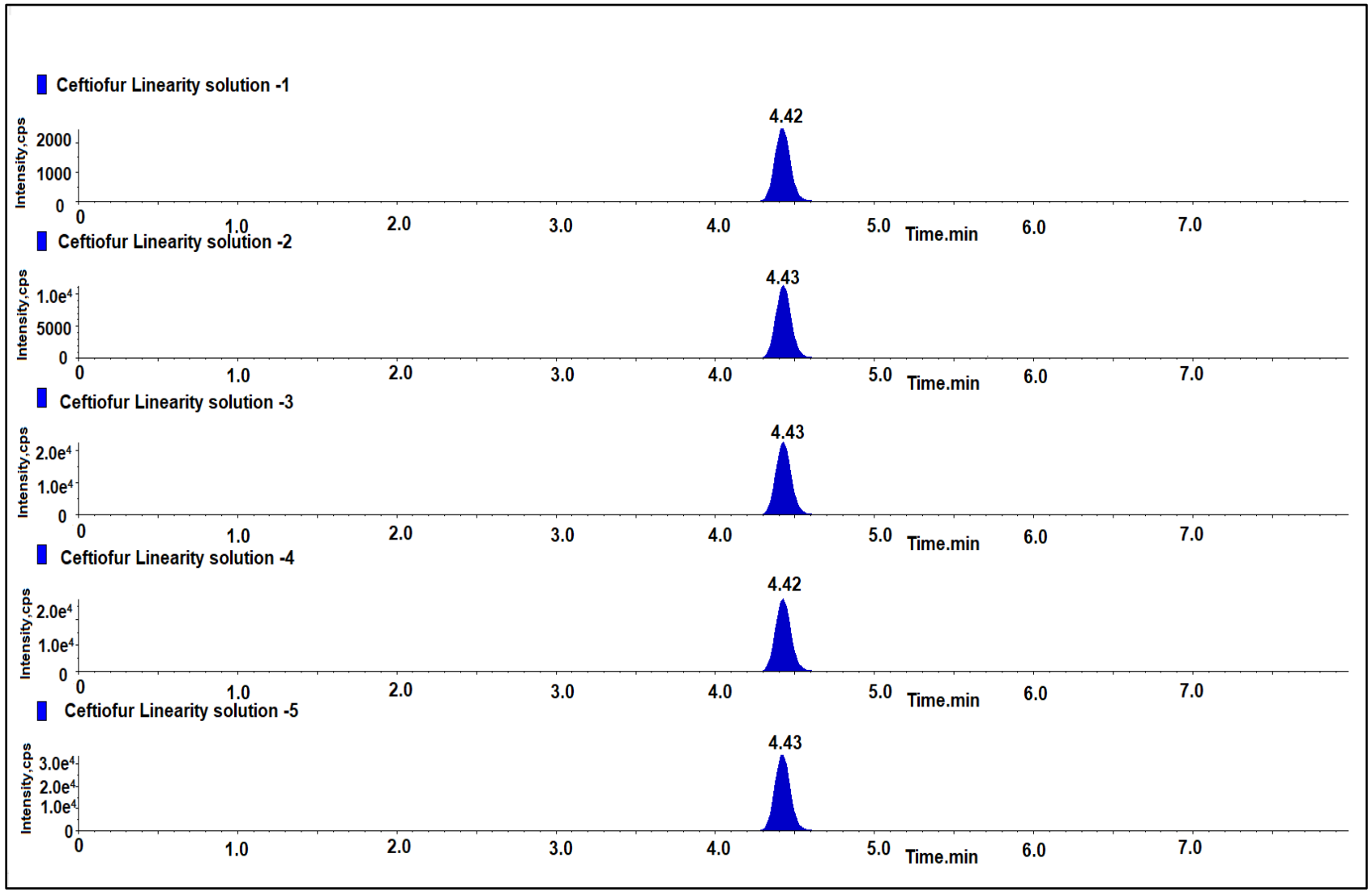


**Figure S8:** MS/MS chromatogram of Ceftiofur Linearity.

## 4. Method precision

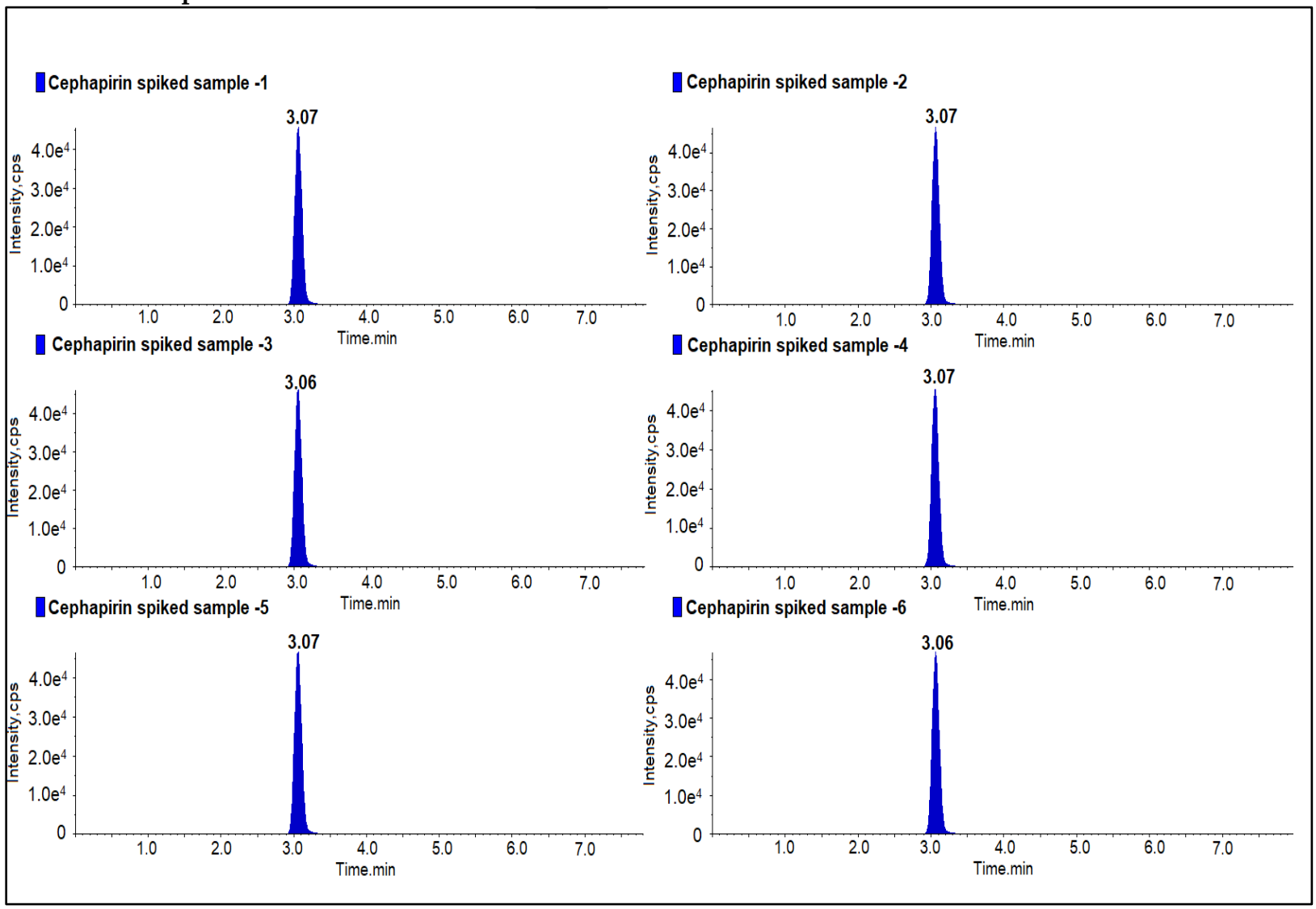


**Figure S9:** MS/MS chromatograms of Cephapirin Method precision.

**Supplementary File**

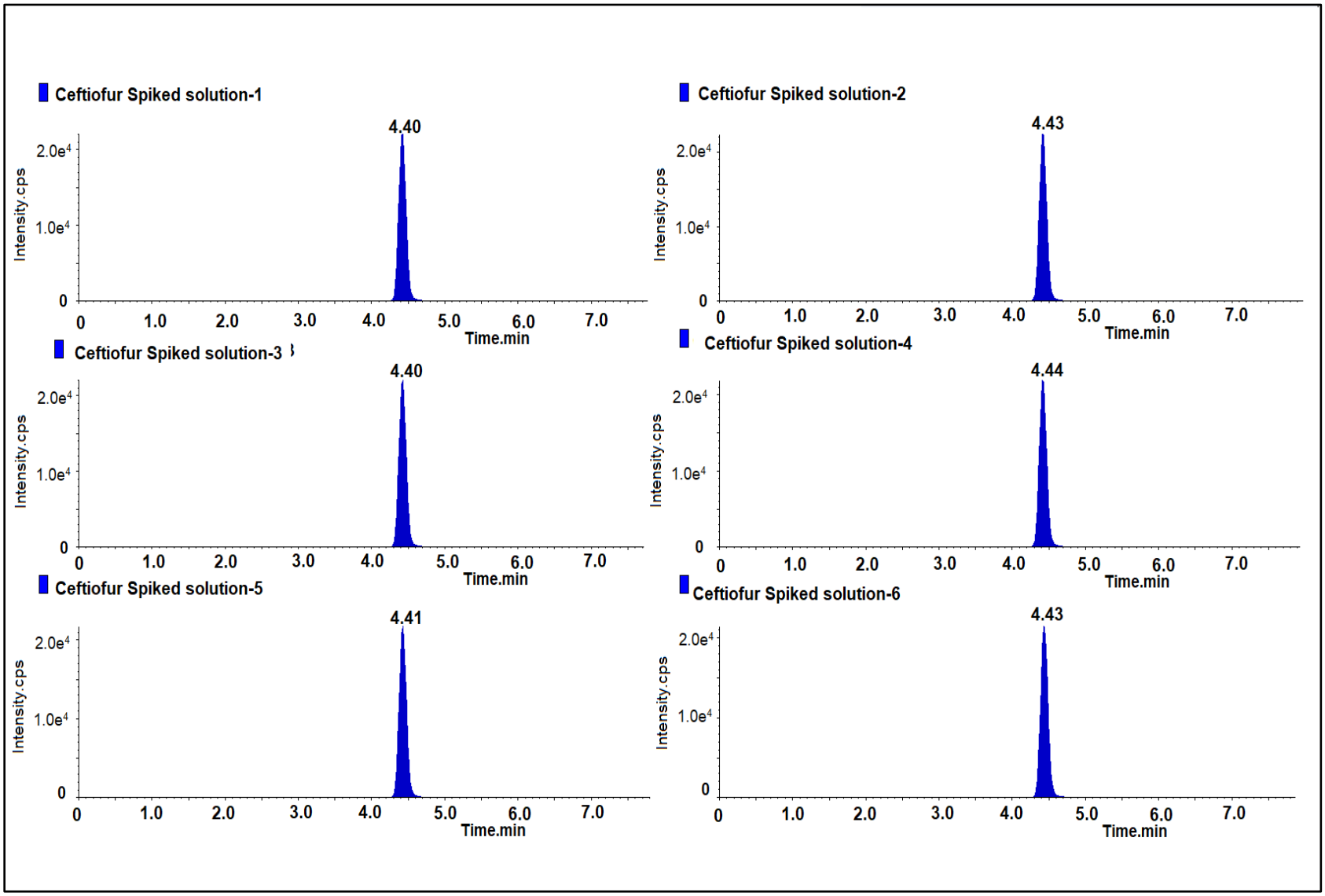


**Figure S10:** MS/MS chromatograms of Ceftiofur Method precision.

## 5. Intermediate precision

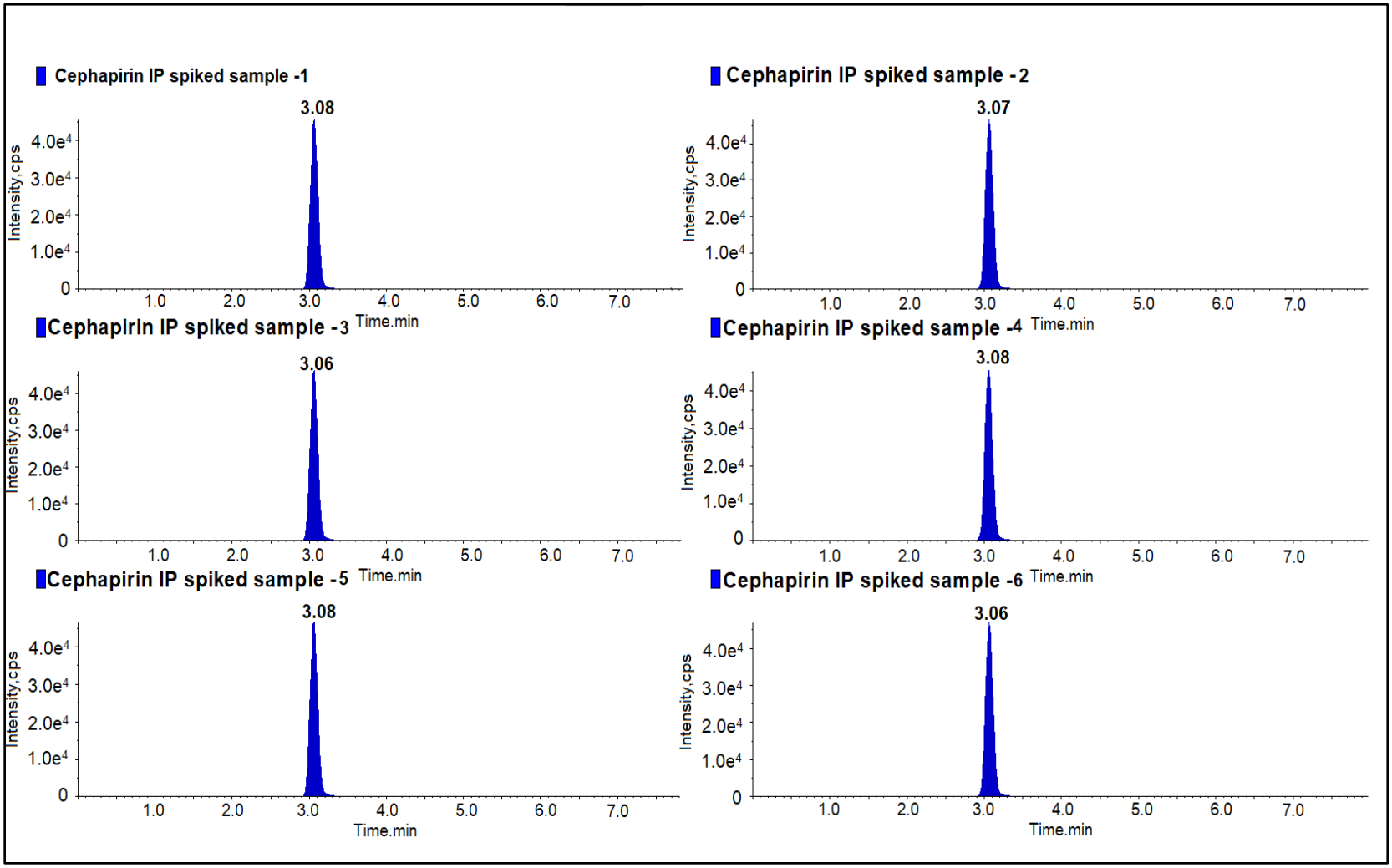


**Figure S11:** MS/MS chromatograms of Cephapirin Intermediate precision.

**Supplementary File**

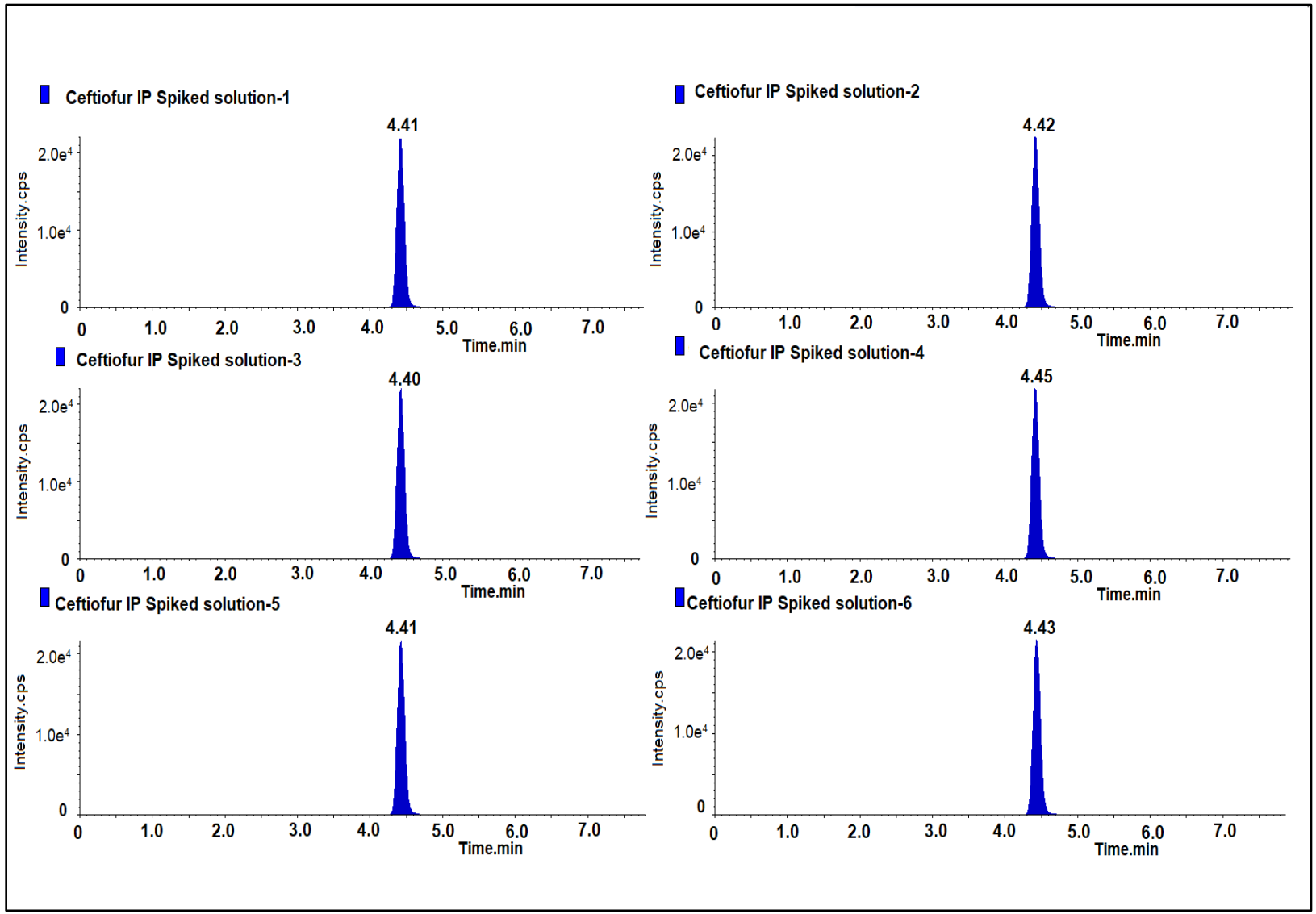


**Figure S12:** MS/MS chromatograms of Ceftiofur Intermediate precision.

## 6. Accuracy

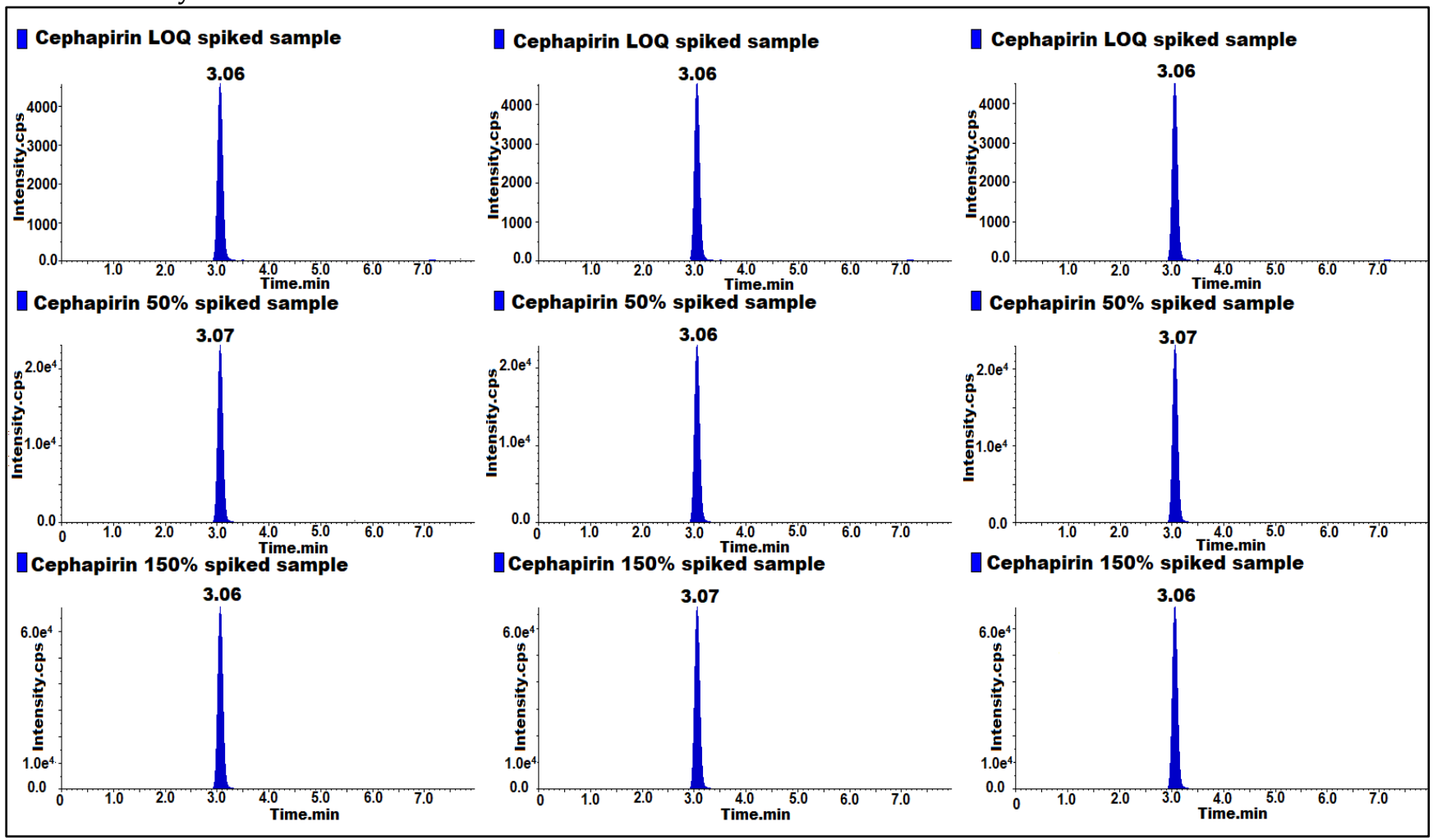


**Figure S13:** MS/MS chromatograms of Cephapirin Accuracy.

**Supplementary File**

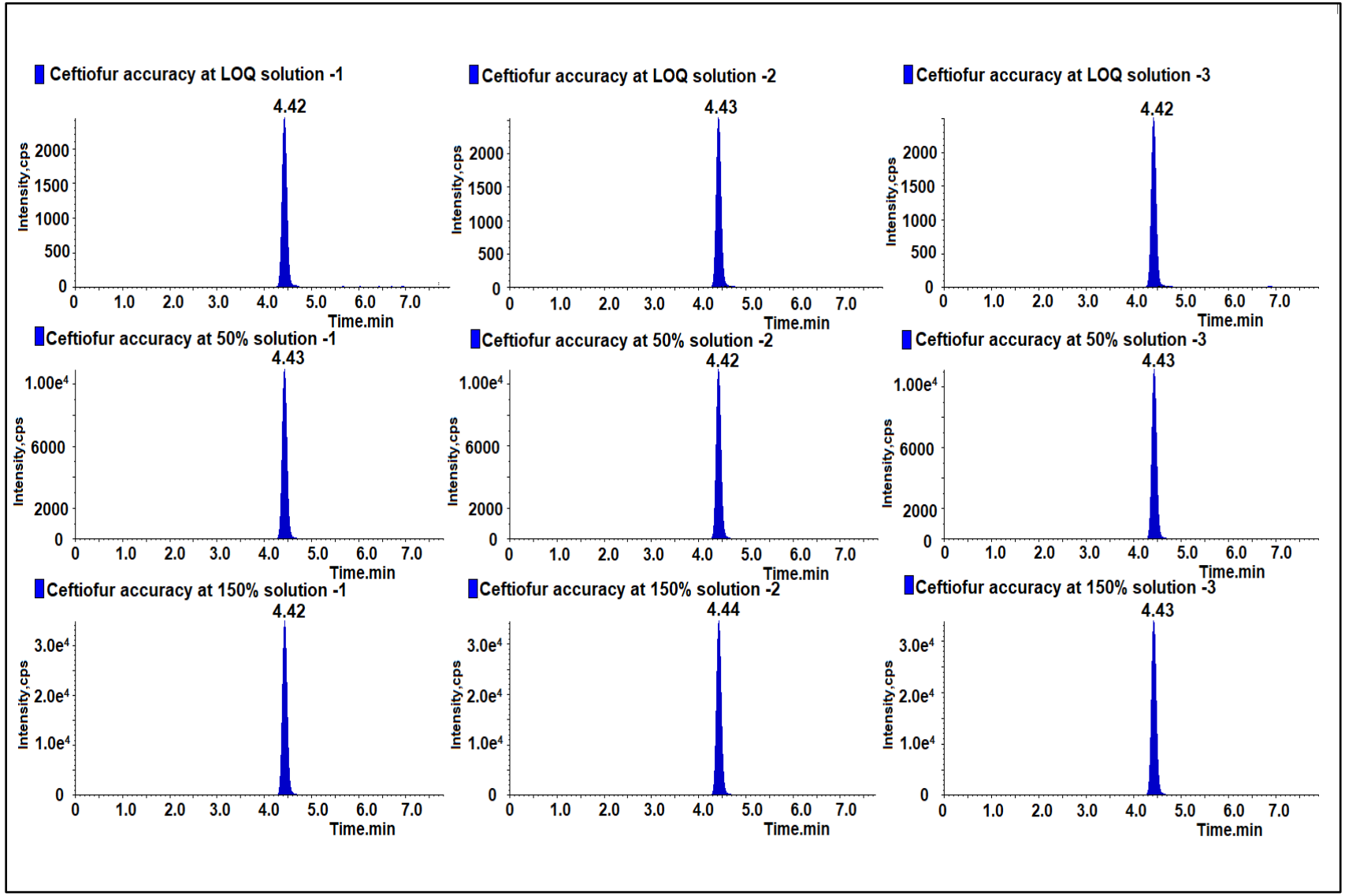


**Figure S14:** MS/MS chromatograms of Ceftiofur Accuracy.