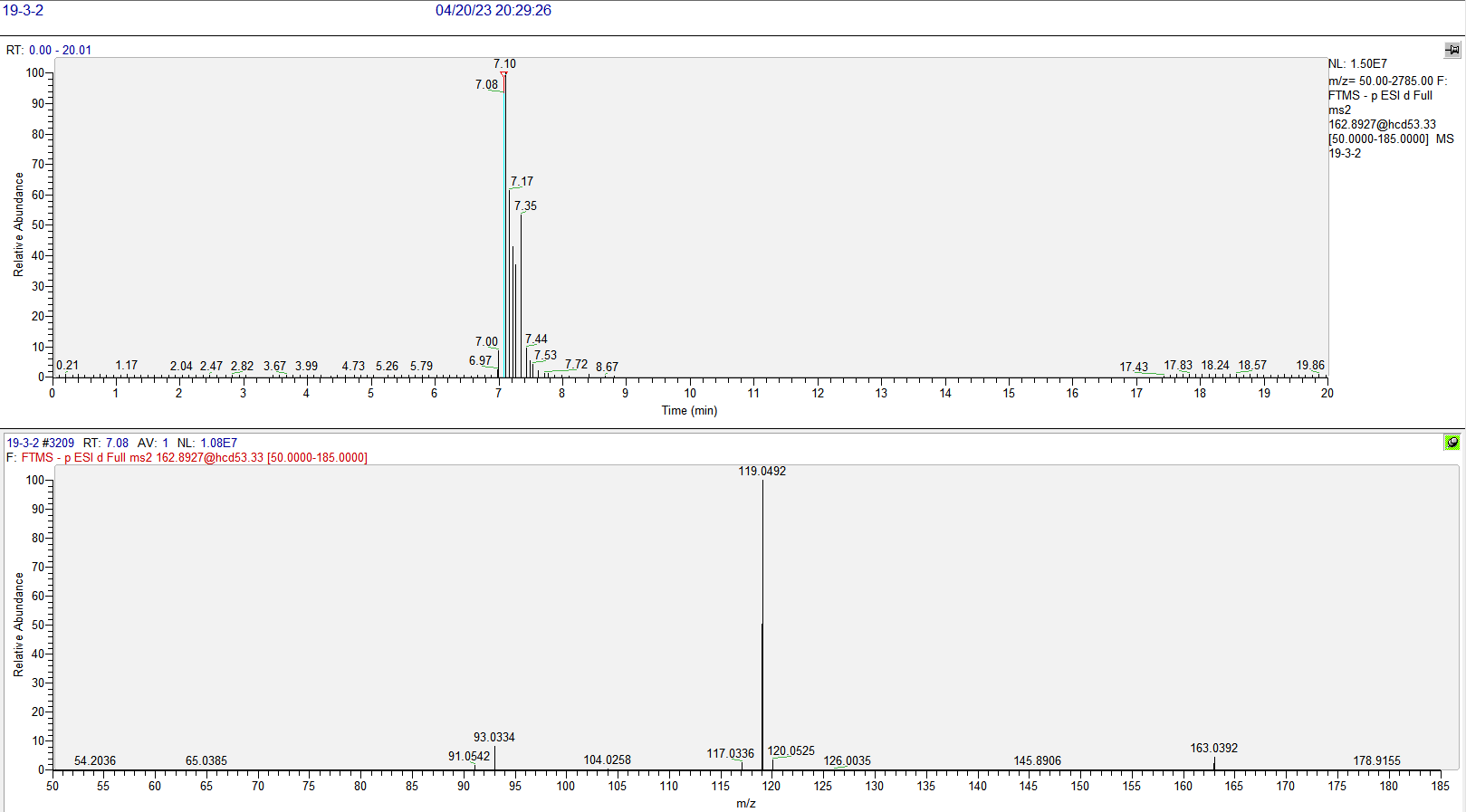
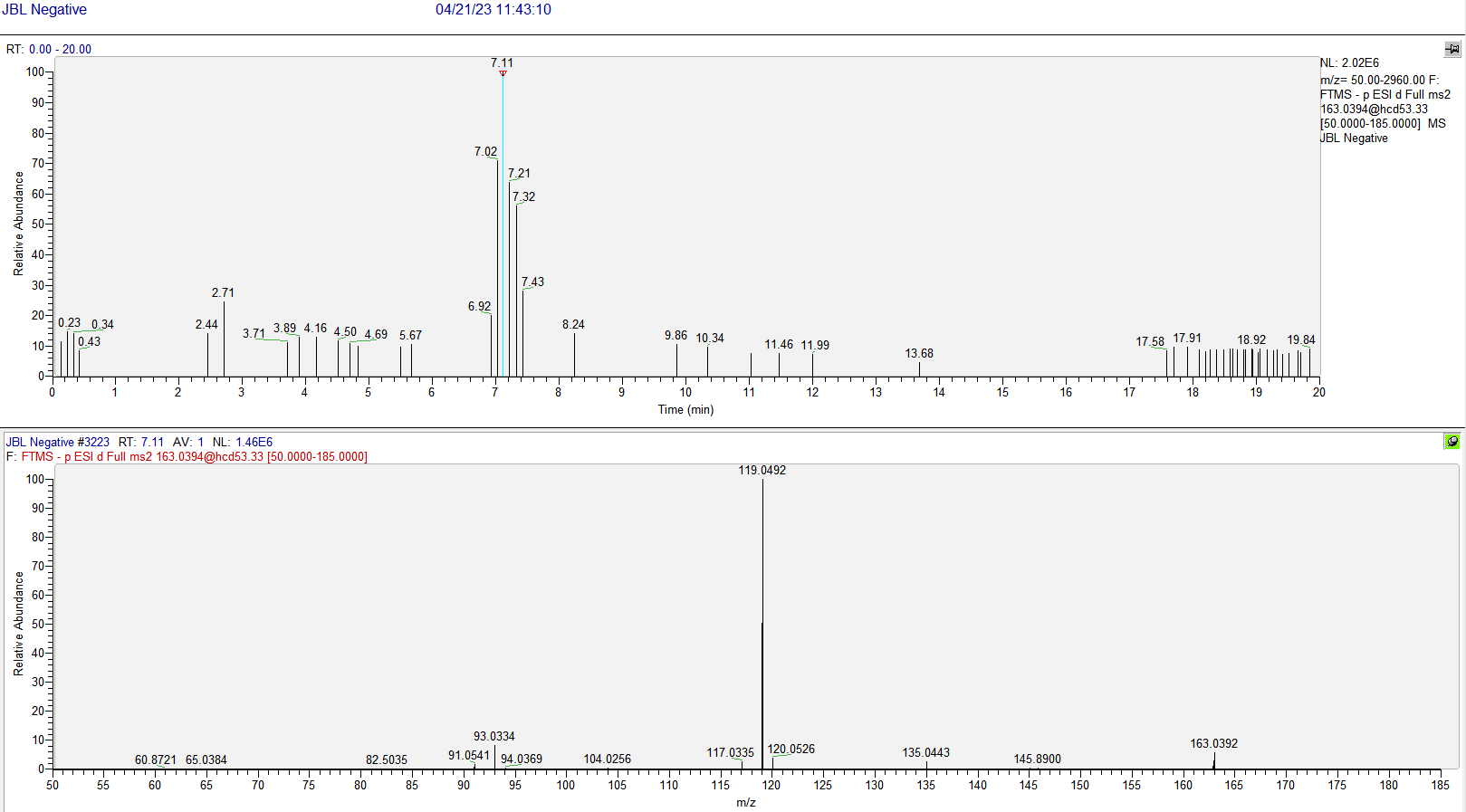
*Suppl. 2.15* Identification of Cis-4-Hydroxycinnamic Acid (CAS 4501-31-9, C9H8O3, M.W. 164.158).



**A**



**B**

**A**

**A**

**A**

Fig. S1.2.15 The main results of Cis-4-Hydroxycinnamic Acid (CAS 4501-31-9, C9H8O3) and its corresponding peak in the TIC diagram using UPLC-Q-Orbitrap-MS analysis. (**A**) The MS/MS fragments of standard Cis-4-Hydroxycinnamic Acid. (**B**) The MS/MS spectra from chromatographic peak in the JBL extract.

**Note**：The m/z values in purple are the calculated ones. The m/z calculation was based on the relative atomic masses of C (12.0000), H (1.007825), O (15.994915), and N (14.003074)[1]

**Identification**: As seen in Fig. S1.2.15, the extract ion peak, MS/MS spectra, and characteristic pears were highly similar. Thus, the chromatographic peaks in the JBL extracts were identified as Cis-4-Hydroxycinnamic Acid (CAS 4501-31-9).

**References**:

[1] JÜRGEN H GROSS, *Mass spectrometry*. 2013, Beijing: Science press.