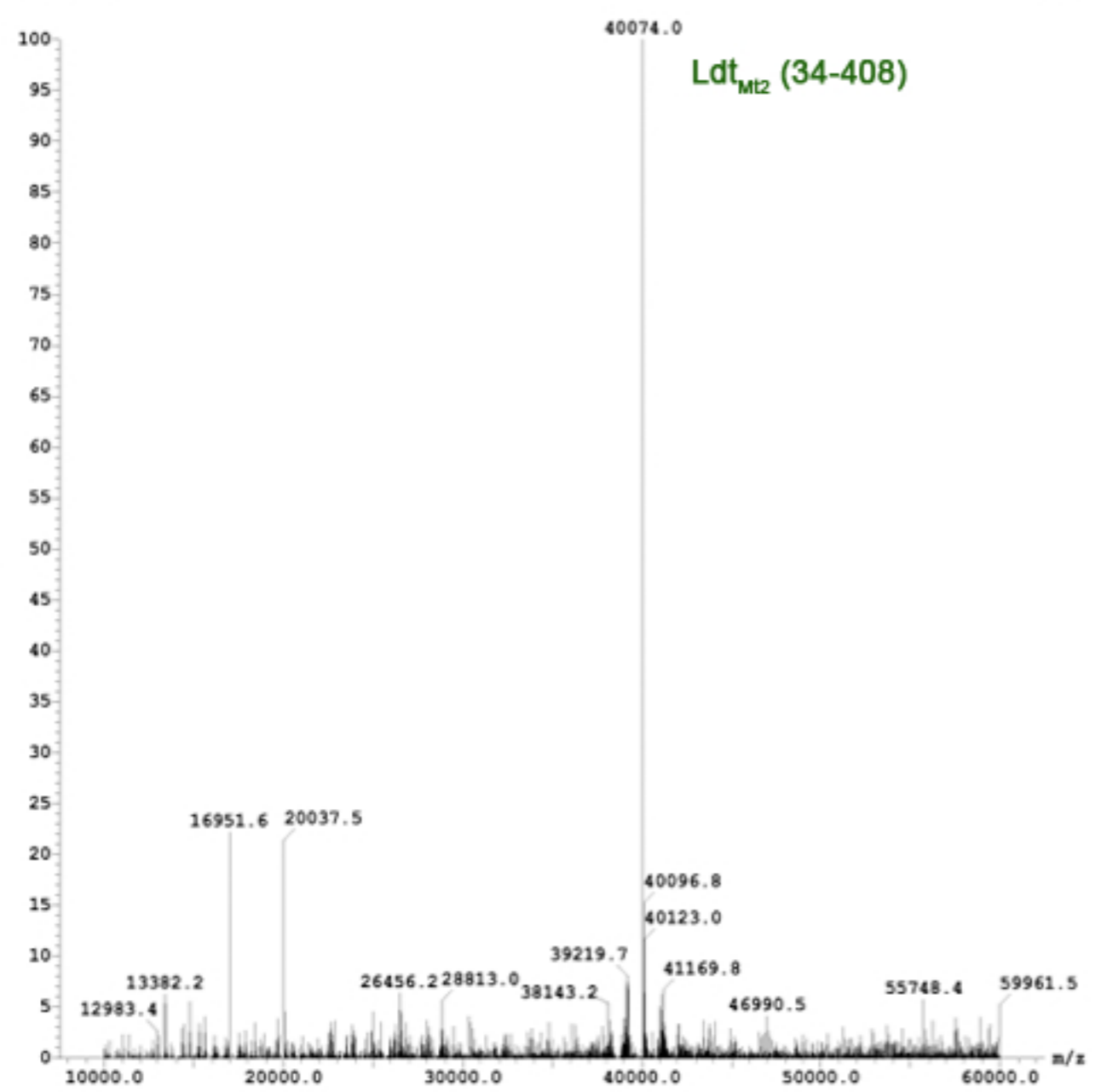


Figure S1: (A) Mass spectrometric analysis of the Ldt_{M12} segment (residues 34-408) with and without imipinem (300.6 Da). The mass difference in the major peaks corresponds very closely to the mass of imipinem (299.3 Da). (B) Molecular mass of the BC-module (residues 149-408), 28481.7 Da. The increase in mass upon binding β -lactam antibiotics, imipinem (299.3 Da) and ampicillin (349.4 Da) could be validated with 28780.1 Da and 28831.7 Da for each covalently formed adduct respectively.

A

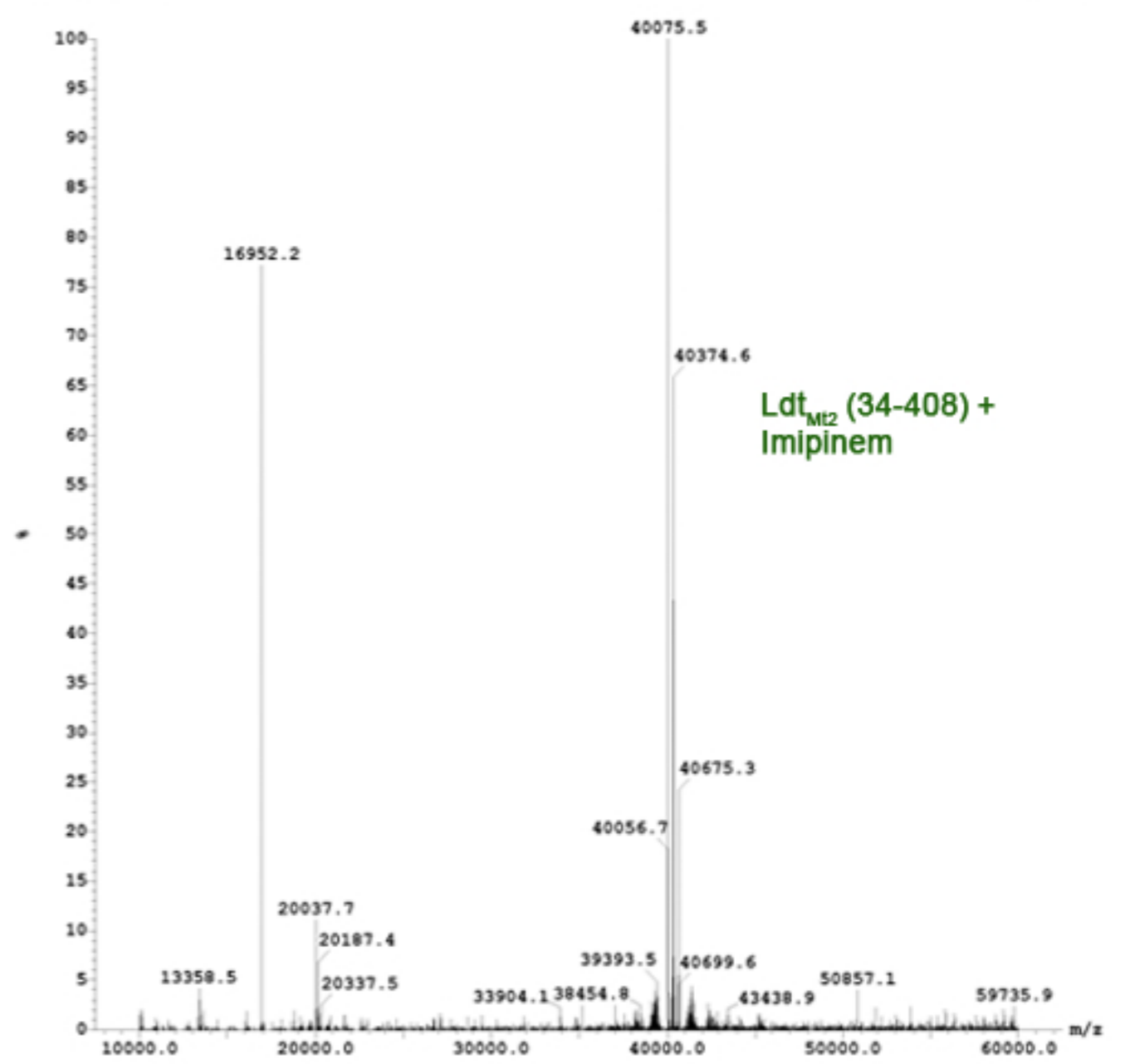
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1		3.10	

1: (Time: 3.10)



Peak ID	Compound	Time	Mass Found
1		3.10	

8.7e+003 1: (Time: 3.10)

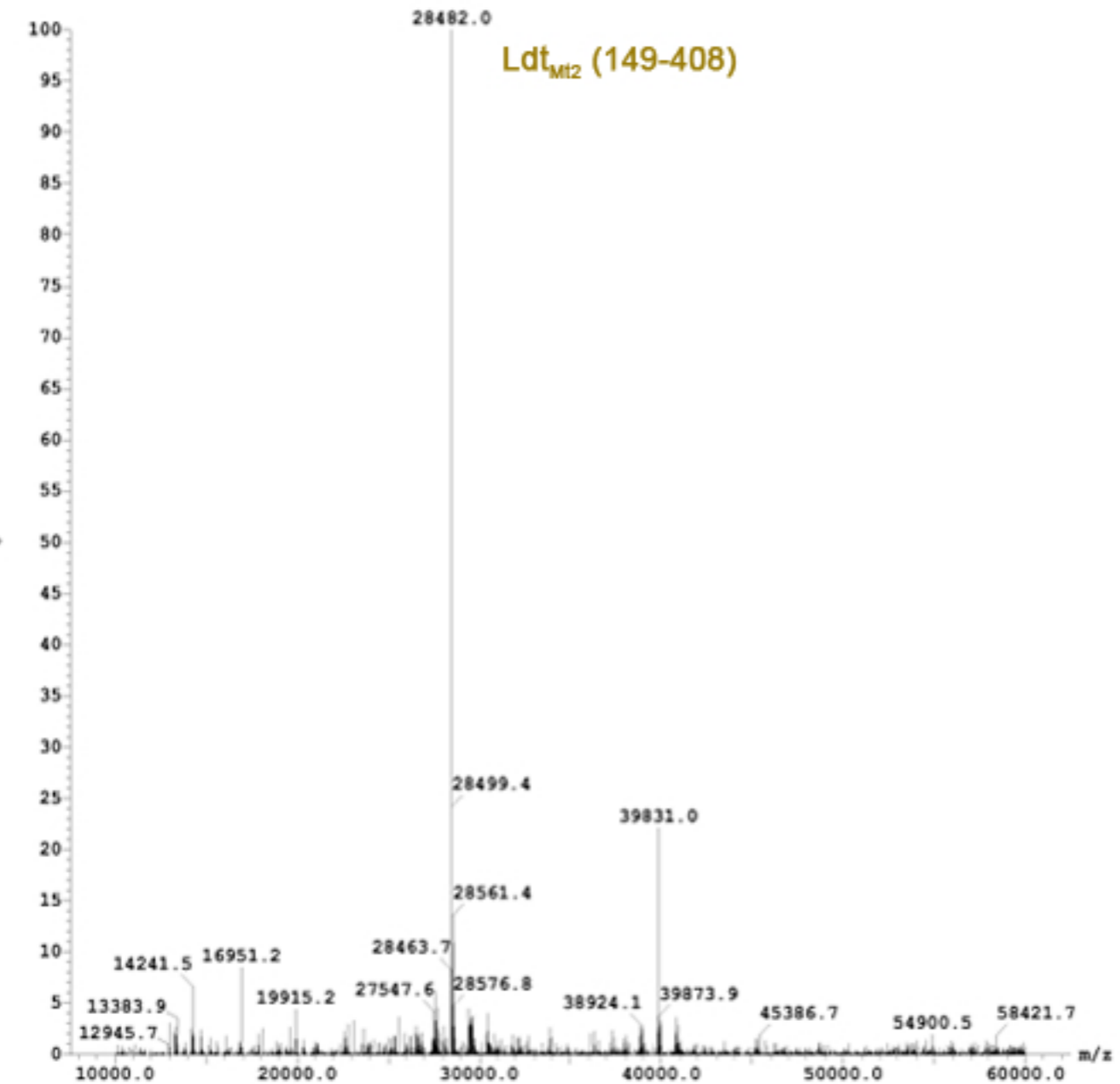


1.4e+004

B

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Compound
Time 3.18
Mass Found

1: (Time: 3.18)

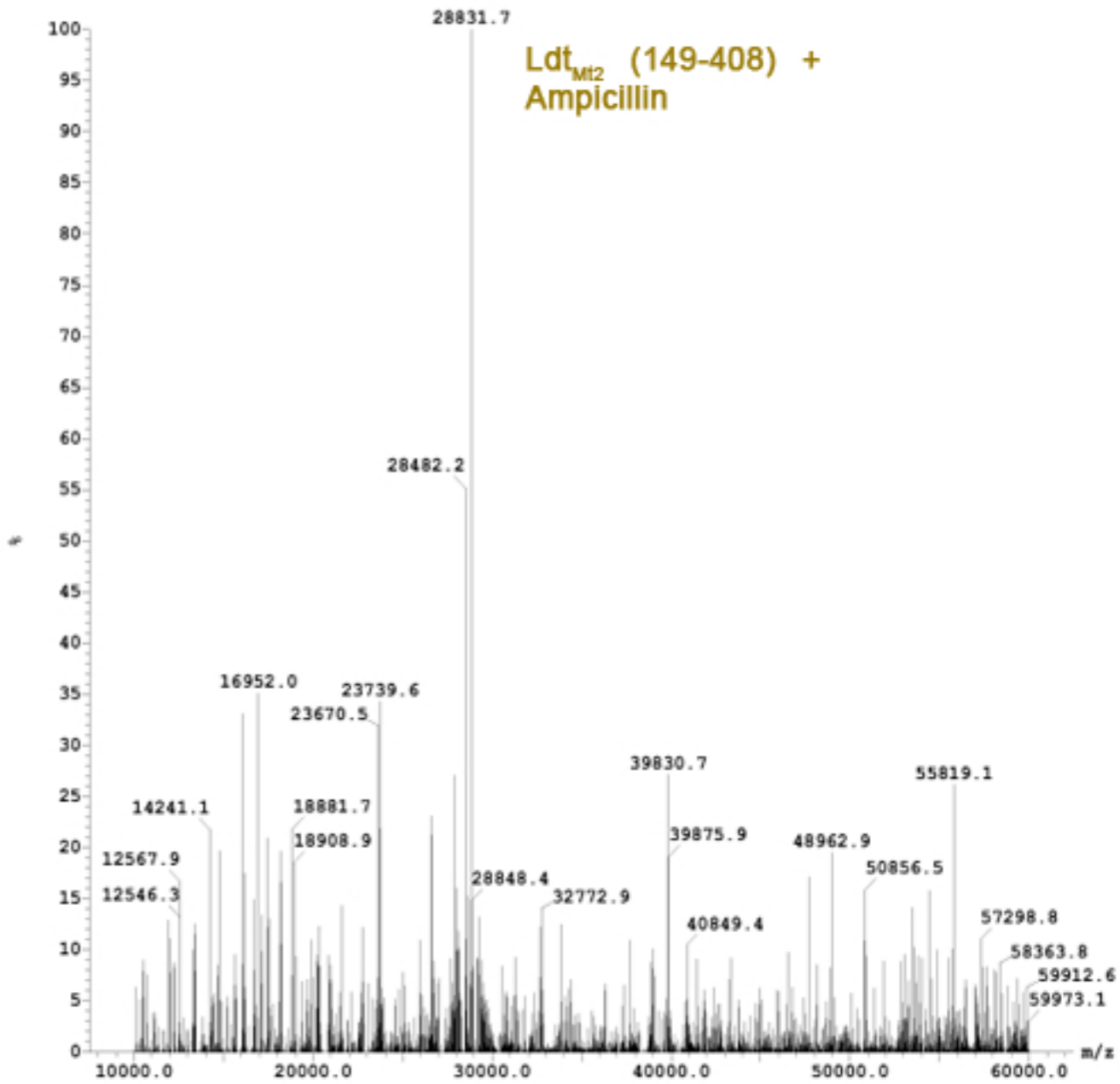


Peak ID 1
Compound
Time 3.10
Mass Found

2.4e+004

1: (Time: 3.10)

5.4e+004



Peak ID Compound Time Mass Found

1: (Time: 3.10)

5.1e+003

