



He I a酶解肽段分析

AN0115

色谱柱: ReproSil-Pur C18-AQ, 1.9 μ m, 75 μ m x 500 mm

规格: 500 x 0.075 mm ID

货号: r119.aq.e500.075

洗脱方式: Gradient

流动相A: Water with 0.1 vol% formic acid

流动相B: 80:20:0.1 vol% ACN: water: formic acid

流动相:

Time (mins)	0.0	95.0	100.0	105.0	106.0	120.0
%B	5	30	60	95	5	5

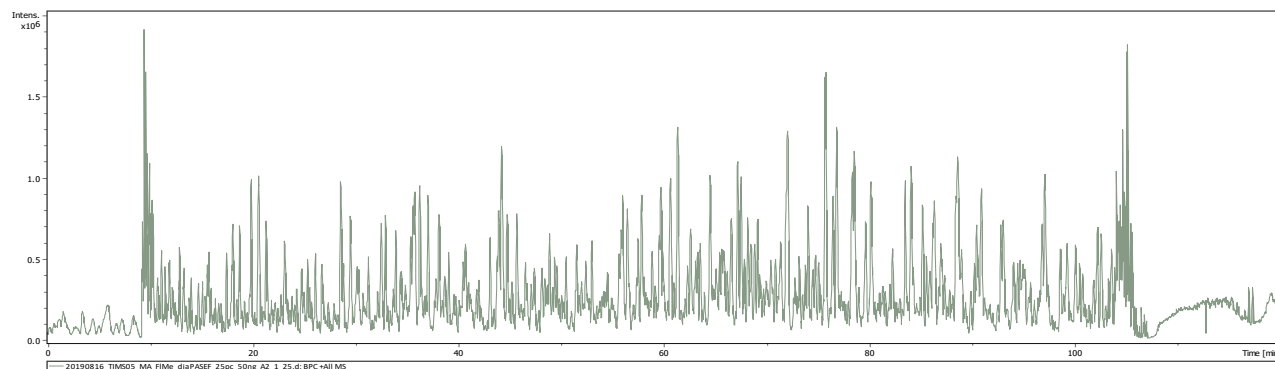
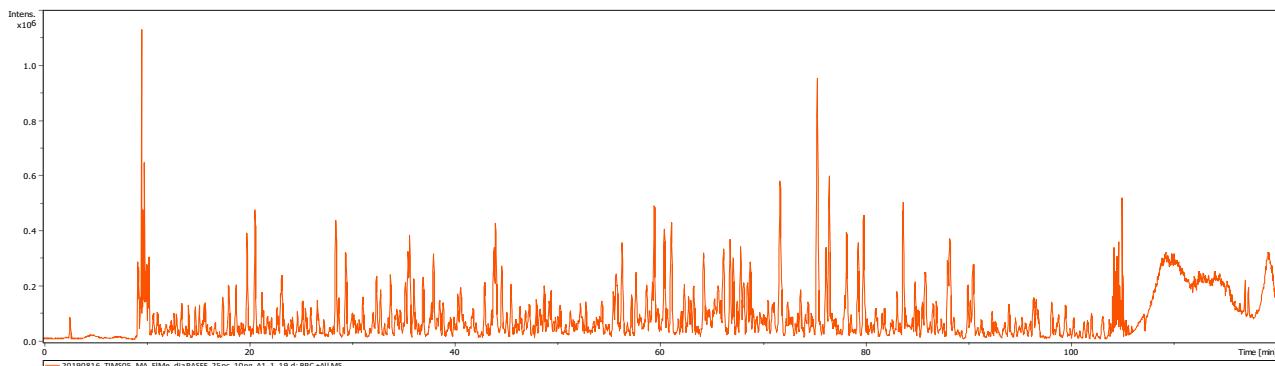
流速: 300nL/min

柱温: 60°C

进样量: 10ng, 50ng, 100ng

液相系统: EASY-nLC 1200 system (Thermo Fisher Scientific)

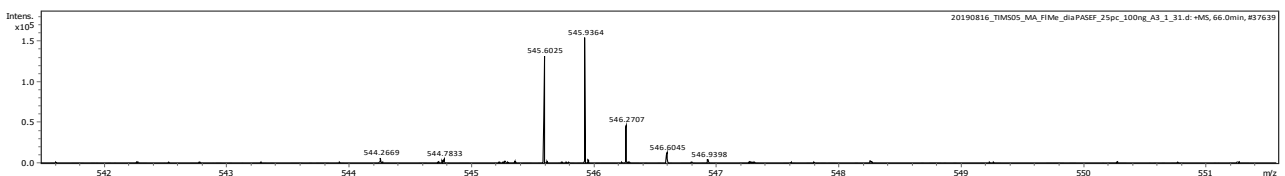
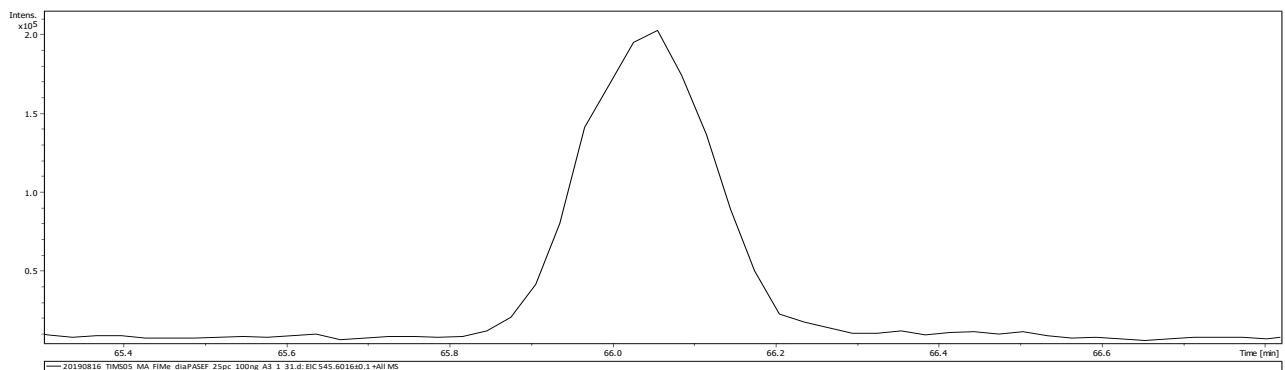
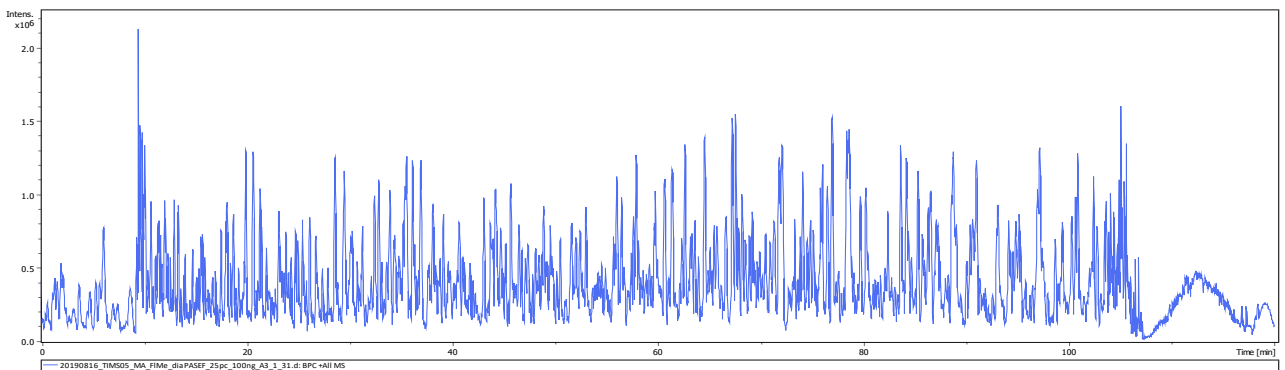
质谱: timsTOF Pro (Bruker)





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Note:

To perform DIA, we extended the instrument control software (Bruker otofControl v6) to define quadrupole isolation windows as a function of the TIMS scan time (diaPASEF). The instrument control electronics were modified to allow seamless and synchronous ramping of all applied voltages. **We achieved deep proteome coverage of more than 7,000 proteins in single, 2 h experiments from 200 ng HeLa peptide sample on column with a high degree of reproducibility. Even more remarkably, we detected more than 4,000 proteins with only 10 ng, 5,800 proteins with 50 ng and 6,400 proteins with 100 ng HeLa peptide mass on column, respectively.**