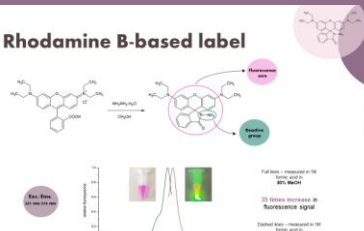


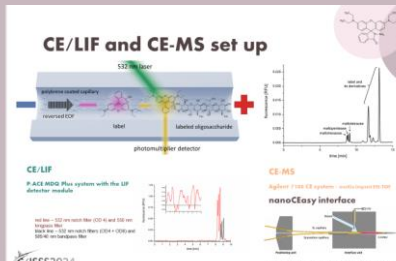
Capillary electrophoresis analysis of oligosaccharides and glycans using Rhodamine B-based labeling

Denisa Smolkova, Filip Dusa, Jozef Sestak, Richard Omelik, Jana Lavicka

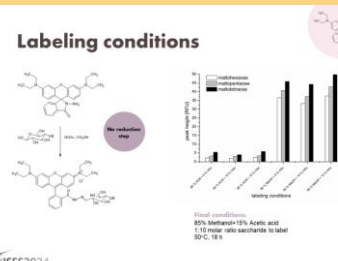
Rhodamine B-based label



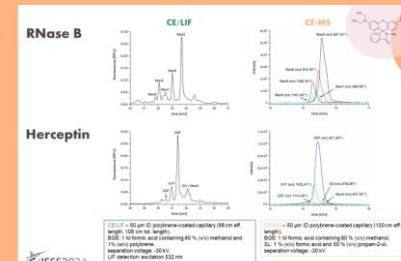
CE/LIF and CE-MS set up



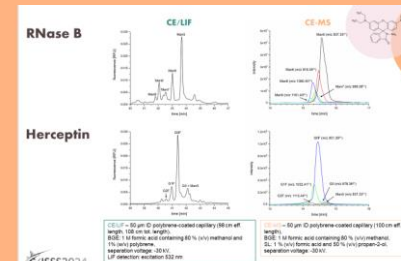
Labeling conditions



RNase B



Herceptin



Conclusion

- Modification of Rhodamine B
- Optimization of labeling, separation and detection conditions
- Application for N-linked glycans analysis

Dusa F., Smolkova D., Omelik R., Guttman A., Lavicka J. Labeling of oligosaccharides and N-linked glycans by a rhodamine-based fluorescent tag for analysis by capillary electrophoresis with laser-induced fluorescence and mass spectrometry detection. *Talanta* 2024, submitted.