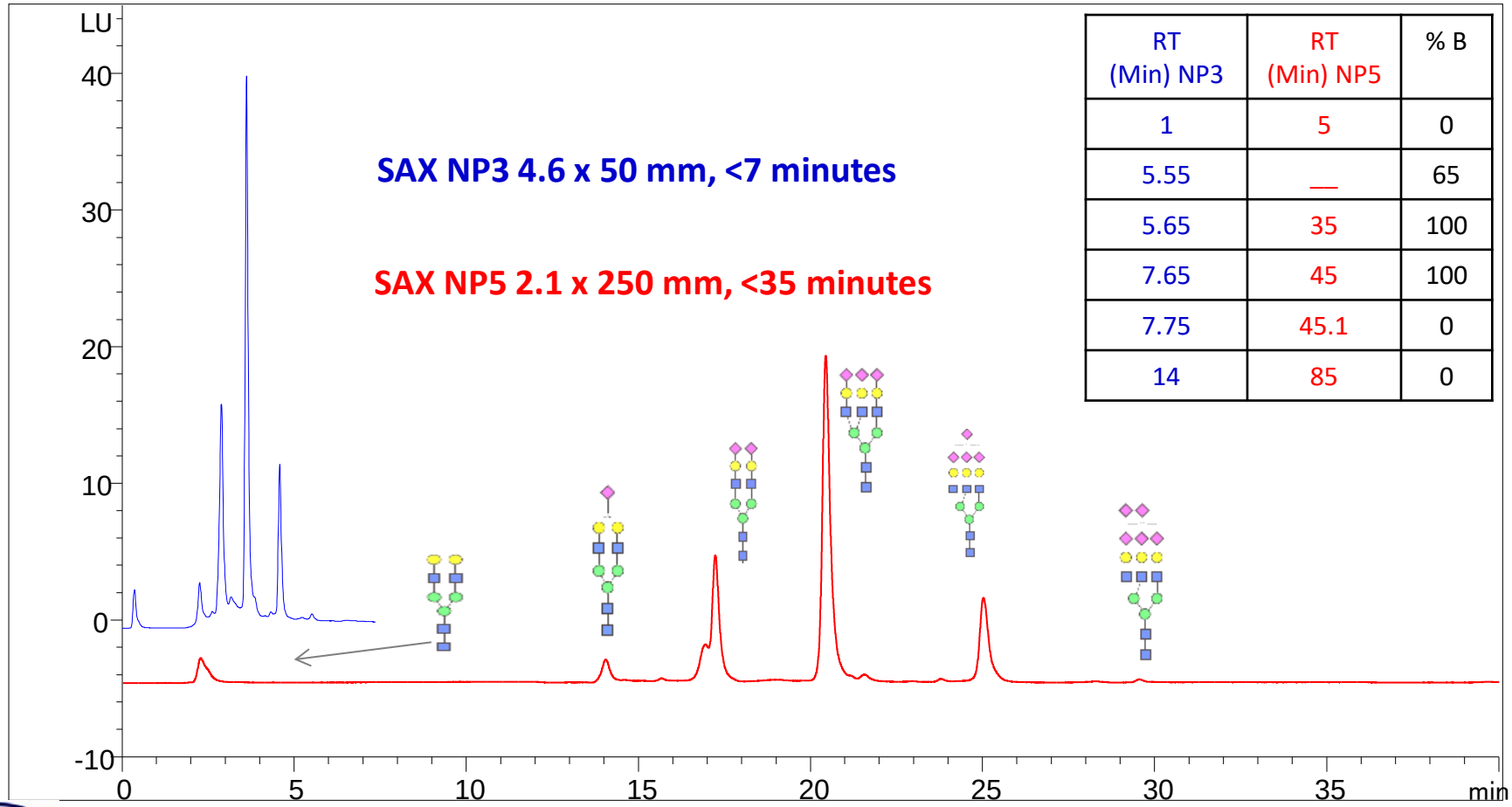
High Resolution and Fast Analysis of N-linked Sialylated Glycan by Sepax Proteomix SAX

Proteomix SAX-NP3, 3 µm, 4.6 x 50 mm (PN: 403NP3-4605)
Proteomix SAX-NP5, 5 µm, 2.1 x 250 mm PEEK (PN: 403NP5P-2125)

2-AB-labeled Fetuin N-linked Sialylated Glycan Separation Comparison - Proteomix SAX - 3 µm, 4.6 x 50 mm vs. 5 µm, 2.1 x 250 mm

Column: Proteomix SAX-NP3, 3 µm, 4.6 x 50 mm (PN: 403NP3-4605), UPLC, 430 bar, Flow Rate: 1 mL/min
Proteomix SAX-NP5, 5 µm, 2.1 x 250 mm PEEK (PN: 403NP5P-2125), HPLC, 225 bar, Flow Rate: 0.2 mL/min
Mobile phase A: H_2O + 20% ACN, B: 250 mM Ammonium Formate pH 4.5 + 20% ACN
Detector: Excitation 260 nm, Emission 430 nm; PMT 10 **Column temperature:** Ambient
Injection Volume: 3.0 µL and 1.5 µl **Sample:** N-Linked Glycans Bovine Fetuin

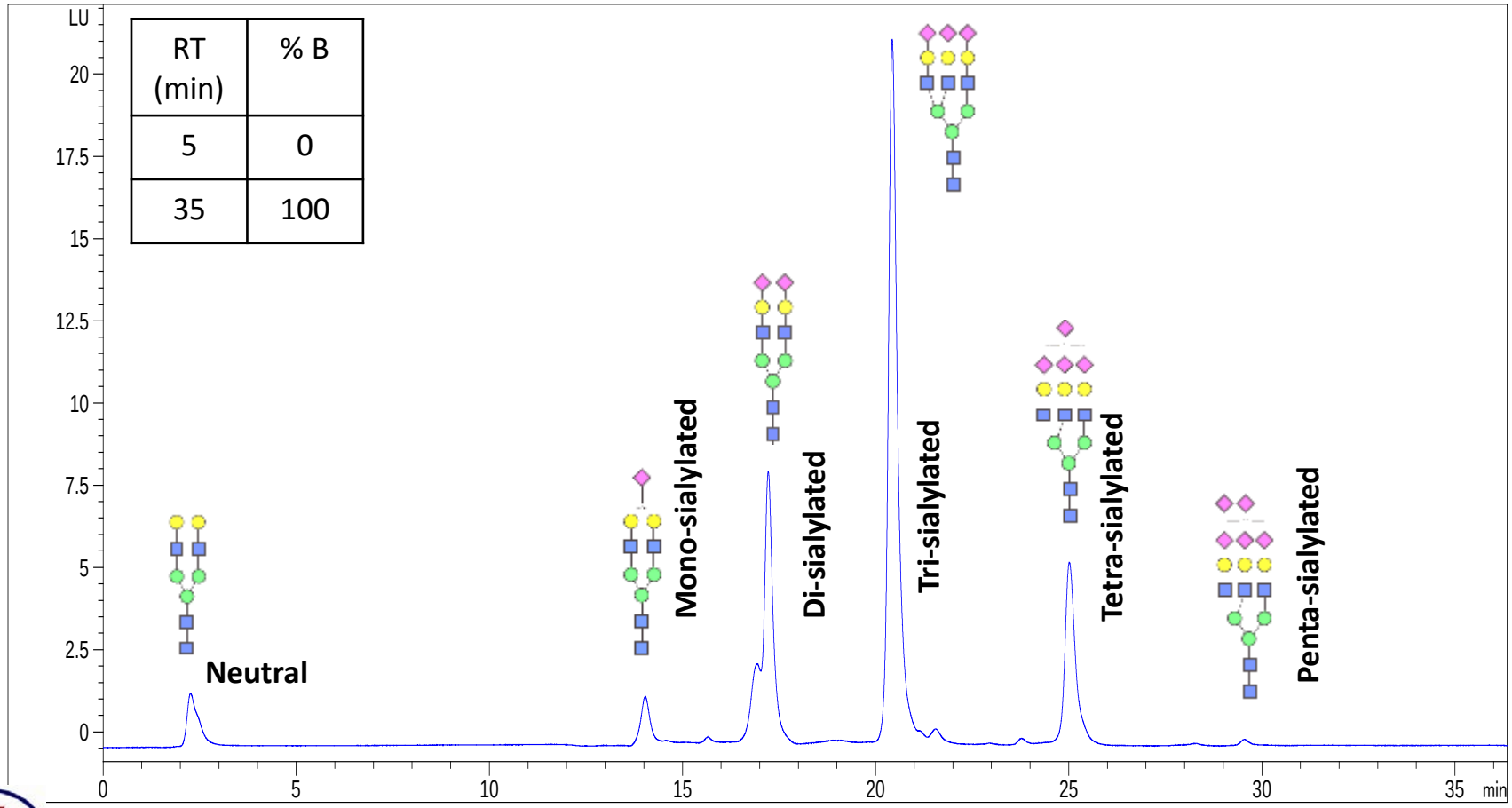


RT (Min) NP3	RT (Min) NP5	% B
1	5	0
5.55	__	65
5.65	35	100
7.65	45	100
7.75	45.1	0
14	85	0

Zoom-in view presented in following slides

2-AB-labeled Fetuin N-linked Sialylated Glycan Separation on Proteomix SAX 5 µm, 2.1 x 250 mm - High Resolution

Column: Proteomix SAX-NP5, 2.1 x 250mm PEEK (403NP5P-2125)
Mobile phase A: H_2O + 20% ACN, B: 250 mM Ammonium Formate pH 4.5 + 20% ACN
Flow Rate 0.2 mL/min; **Detector:** Excitation 260 nm, Emission 430 nm; PMT 10; **Column temperature:** Ambient
Injection Volume: 1.5 µL **Sample:** N-Linked Glycans Bovine Fetuin



2-AB-labeled Fetuin N-linked Sialylated Glycan Separation on Proteomix SAX, 3 µm, UPLC – FASTER Analysis

Column: Proteomix SAX-NP3, 4.6 x 50mm (PN: 403NP3-4605)
Mobile phase A: H_2O + 20% ACN, B: 250 mM Ammonium Formate pH 4.5 + 20% ACN
Flow Rate: 1.0 mL/min; **Detector:** Excitation 260 nm, Emission 430 nm; PMT 10 **Column temperature:** Ambient
Injection Volume: 3.0 µl; **Sample:** N-Linked Glycans Bovine Fetuin (6.7 pmol/µL)

RT (min)	% B
1	0
5.55	65
5.65	100
7.65	100
7.75	0
14	0