Electronic Supplementary Material (ESI) for Analyst.

SUPPLEMENTARY INFORMATION TO ACCOMPANY:

PRECURSOR ION SURVIVAL ENERGIES OF PROTONATED N-GLYCOPEPTIDES AND THEIR WEAK DEPENDENCIES ON HIGH MANNOSE N-GLYCAN COMPOSITION IN COLLISION-INDUCED DISSOCIATION

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Table S1. Compositions, charge states (z), degrees of freedom (f_v), and 50% precursor ion survival data (ΔU_{50}, E_{k50}, and E_{n50}; see text for definitions) for all glycopeptide ions studied.

Peptide	Glycan	z	f_v	ΔU_{50} (V)	E_{k50}	E_{n50}
NLTK	Man_5	1	690	54.9 ± 0.5	54.9 ± 0.5	79.6 ± 0.7
	Man_6		753	58.5 ± 0.4	58.5 ± 0.4	77.6 ± 0.5
	Man_5	2	693	12.6 ± 0.3	25.2 ± 0.7	36.4 ± 1.0
	Man_6		756	12.9 ± 0.4	25.9 ± 0.7	34.2 ± 1.0
	Man_7		819	13.4 ± 0.3	26.8 ± 0.6	32.8 ± 0.8
	Man_8		882	13.9 ± 0.5	27.7 ± 1.0	31.5 ± 1.2
SRNLTK	Man_5	2	795	27.2 ± 0.3	54.4 ± 0.6	68.5 ± 0.8
	Man_6		858	28.9 ± 0.6	57.8 ± 1.2	67.4 ± 0.1
	Man_7		921	28.8 ± 0.4	57.5 ± 0.8	62.4 ± 0.8
	Man_8		984	31.6 ± 0.5	63.1 ± 1.1	64.2 ± 0.1
	Man_5	3	798	4.9 ± 0.1	15.0 ± 0.3	18.8 ± 0.4
	Man_6		861	5.5 ± 0.3	16.4 ± 0.9	19.1 ± 1.1
	Man_7		924	5.6 ± 0.1	16.9 ± 0.2	18.3 ± 0.2
	Man_8		987	6.1 ± 0.3	18.2 ± 1.0	18.4 ± 1.0
NLTKDR	Man_5	2	801	27.4 ± 0.4	54.8 ± 0.8	68.4 ± 1.0
	Man_6		864	29.6 ± 0.2	59.3 ± 0.5	68.6 ± 0.6
	Man_7		927	31.5 ± 0.4	63.0 ± 0.7	68.0 ± 0.8
	Man_8		990	32.6 ± 0.2	65.1 ± 0.3	65.8 ± 0.3
	Man_5	3	804	3.7 ± 0.1	11.2 ± 0.2	13.9 ± 0.3
	Man_6		867	3.9 ± 0.1	11.8 ± 0.3	13.6 ± 0.4
	Man_7		930	4.2 ± 0.2	12.7 ± 0.5	13.6 ± 0.5
	Man_8		993	4.7 ± 0.4	14.0 ± 1.1	14.1 ± 1.1
SRNLTKDR	Man_5	2	903	40.3 ± 0.4	80.6 ± 0.8	89.3 ± 0.9
	Man_6		966	44.6 ± 0.6	89.3 ± 1.2	92.4 ± 1.2
	Man_7		1029	46.7 ± 0.2	93.4 ± 0.4	90.8 ± 0.4
	Man_8		1092	47.9 ± 0.4	95.8 ± 0.9	87.7 ± 0.8
	Man_5	3	906	14.7 ± 0.3	44.1 ± 1.0	48.7 ± 1.1
	Man_6		969	14.9 ± 0.4	44.9 ± 1.3	46.3 ± 1.3
	Man_7		1032	15.4 ± 0.3	46.1 ± 0.9	44.6 ± 0.8
	Man_8		1095	15.6 ± 0.2	46.7 ± 0.7	42.7 ± 0.6