

Table S2 MS/MS and ion source parameters for GSLs analysis.

(a) MS/MS parameters for wide targeted GSL analysis

Compound	The number of NeuAc	DP (V)	EP (V)	CE (V)	CXP (V)
MSGb5	1	-65	-6	-80	-9
GM3					
GM2					
GM1/DUPAN-2					
CA19-9	2	-65	-6	-50	-9
DSGb5					
GD1a/DSLc4					
GalNAcDSLc4					
Speculated 1					
Speculated 2					

CE, collision energy; CXP, collision cell exit potential; DP, declustering potential; EP, entrance potential.

(b) Ion source parameters for wide targeted GSL analysis

CUR	CAD	ISV	TEM	GS1	GS2
(psi)	(unit)	(V)	(°C)	(psi)	(psi)
10	12	-4500	500	60	60

CAD, collision gas; CUR, curtain gas; GS, ion source gas; ISV, ionspray voltage; TEM, turbo gas temperature.