

## Internal Standards

Q1 Mass (Da)	Q3 Mass (Da)	
1163.519	565.519	C17:0 C16:0 PtdIns(3,4,5)P <sub>3</sub> ISD
1055.569	565.519	C17:0 C16:0 PtdInsP <sub>2</sub> ISD
839.559	565.519	C17:0 C16:0 PtdIns ISD
778.549	565.519	C17:0 C16:0 PS ISD
810.601	198.089	C17:0 C20:4 PC ISD
768.554	613.519	C17:0 C20:4 PE ISD
691.519	565.519	C17:0 C20:4 PA ISD
599.319	325.274	C17:1-lyso PI ISD
453.298	327.289	C17:0-lyso PA ISD

## Tissue Lipids

Q1 Mass (Da)	Q3 Mass (Da)	
1225.535	627.535	C38:4 PtdInsP <sub>3</sub>
1117.585	627.535	C38:4 PtdInsP <sub>2</sub>
1009.575	627.535	C38:4 PtdInsP
901.575	627.535	C38:4 PtdIns
1093.585	603.535	C36:2 PtdInsP <sub>2</sub>
985.575	603.535	C36:2 PtdInsP
877.575	603.535	C36:2 PtdIns
1095.601	605.551	C36:1 PtdInsP <sub>2</sub>
987.591	605.551	C36:1 PtdInsP
879.591	605.551	C36:1 PtdIns
1067.585	577.535	C34:1 PtdInsP <sub>2</sub>
959.575	577.535	C34:1 PtdInsP
851.575	577.535	C34:1 PtdIns
1141.585	651.535	C40:6 PtdInsP <sub>2</sub>
1033.575	651.535	C40:6 PtdInsP
925.575	651.535	C40:6 PtdIns
825.625	198.089	C38:4 PC
782.565	627.535	C38:4 PE
840.565	627.535	C38:4 PS
753.535	627.535	C38:4 PA
801.625	198.089	C36:2 PC
758.565	603.535	C36:2 PE
816.565	603.535	C36:2 PS
729.535	603.535	C36:2 PA
803.641	198.089	C36:1 PC
760.581	605.551	C36:1 PE
818.581	605.551	C36:1 PS
731.551	605.551	C36:1 PA
775.625	198.089	C34:1 PC
732.565	577.535	C34:1 PE
790.565	577.535	C34:1 PS
703.535	577.535	C34:1 PA
849.625	198.089	C40:6 PC
806.565	651.535	C34:1 PE
864.565	651.535	C34:1 PS
777.535	651.535	C34:1 PA

554.335	341.305	<b>Lyso-PS</b>
496.335	341.305	<b>Lyso-PE</b>
539.395	198.089	<b>Lyso-PC</b>
467.305	341.305	<b>Lyso-PA</b>
615.345	341.305	<b>Lyso-PI</b>

**Support Data D1.** MRM Transitions for QTRAP Mass Spectrometer analysis of internal standards and tissue lipids.