

Table S4. Lipids were assigned to appropriate m/z signals by Lipid Map database.

Abbrev	Category	Common Name	Lipid Class [LIPID MAPS]	Ion polarity	Formula	m/z
FA 10:1;O2	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C10H18O4	203.1205
FA 11:2;O2	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C11H18O4	215.1205
FA 12:4;O3	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C12H16O5	241.0998
FA 13:3;O	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C13H20O3	225.1412
FA 14:0	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C14H28O2	229.2089
FA 16:4;O5	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C16H24O7	329.1522
FA 19:2;O10	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C19H34O12	455.2050
FA 19:4;O	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C19H30O3	307.2195
FA 21:3;O3	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C21H36O5	369.2563
FA 22:8;O3	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C22H28O5	373.1937
FA 33:9;O	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C33H48O3	493.3603
FA 35:1	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C35H68O2	521.5219
FA 37:6	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C37H62O2	539.4750
FA 47:11;O10	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C47H72O12	829.5024
FA 47:11;O9	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C47H72O11	813.5075
FA 47:12;O10	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C47H70O12	827.4867
FA 47:12;O9	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C47H70O11	811.4918
FA 48:0;O	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M+H] ⁺	C48H96O3	721.7359
FAHFA 44:13;O	Fatty Acyls	FA estolides	Fatty esters [FA07]- Fatty acid estolides [FA0709]	[M+H] ⁺	C44H62O4	655.4648
FAL 15:0	Fatty Acyls	Fatty aldehydes	Fatty aldehydes [FA06]	[M+H] ⁺	C15H30O	227.2297
FAL 18:1	Fatty Acyls	Fatty aldehydes	Fatty aldehydes [FA06]	[M+H] ⁺	C18H34O	267.2610
CAR 18:1	Fatty Acyls	Acyl carnitines	Fatty esters [FA07]-Fatty acyl carnitines [FA0707]	[M+H] ⁺	C21H39O4N	370.2879
CAR 26:3	Fatty Acyls	Acyl carnitines	Fatty esters [FA07]-Fatty acyl carnitines [FA0707]	[M+H] ⁺	C29H51O4N	478.3818

CAR 30:1	Fatty Acyls	Acyl carnitines	Fatty esters [FA07]-Fatty acyl carnitines [FA0707]	[M+H] ⁺	C33H63O4N	538.4757
FA 13:3;O4	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C13H20O6	271.1260
FA 14:4;O3	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C14H20O5	267.1311
FA 15:5	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C15H20O2	231.1463
FA 15:6	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C15H18O2	229.1307
FA 20:2;O	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C20H36O3	323.2664
FA 22:0;O4	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C22H44O6	403.3138
FA 25:6;O6	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C25H38O8	465.2567
FA 26:5;O2	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C26H42O4	417.3083
FA 42:6	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C42H72O2	607.5532
FA 44:2;O9	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C44H84O11	787.6014
FA 47:11;O8	Fatty Acyls	Fatty acids	Fatty Acids and Conjugates [FA01]	[M-H] ⁻	C47H72O10	795.5126
Cer 38:2;O3	Sphingolipids	Ceramides	Ceramides [SP02]	[M-H] ⁻	C38H73NO4	606.5540
Cer 42:0;O4	Sphingolipids	Ceramides	Ceramides [SP02]	[M-H] ⁻	C42H85NO5	682.6428
SM 33:2;O2	Sphingolipids	Sphingomyelins	Ceramide phosphocholines (sphingomyelins) [SP0301]	[M-H] ⁻	C38H75N2O6P	685.5363
SM 33:1;O2	Sphingolipids	Sphingomyelins	Ceramide phosphocholines (sphingomyelins) [SP0301]	[M-H] ⁻	C38H77N2O6P	687.5519
SM 33:0;O2	Sphingolipids	Sphingomyelins	Ceramide phosphocholines (sphingomyelins) [SP0301]	[M-H] ⁻	C38H79N2O6P	689.5676
SM 34:2;O2	Sphingolipids	Sphingomyelins	Ceramide phosphocholines (sphingomyelins) [SP0301]	[M-H] ⁻	C39H77N2O6P	699.5519
SM 34:1;O2	Sphingolipids	Sphingomyelins	Ceramide phosphocholines (sphingomyelins) [SP0301]	[M-H] ⁻	C39H79N2O6P	701.5676
SM 37:1;O2	Sphingolipids	Sphingomyelins	Ceramide phosphocholines (sphingomyelins) [SP0301]	[M-H] ⁻	C42H85N2O6P	743.6145
HexCer 30:1;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H] ⁻	C36H69NO8	642.5023
HexCer 32:2;O3	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H] ⁻	C38H71NO9	684.5129
HexCer 33:2;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H] ⁻	C39H73NO8	682.5336
HexCer 34:0;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H] ⁻	C40H79NO8	700.5806
HexCer 34:0;O3	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H] ⁻	C40H79NO9	716.5755

HexCer 34:1;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C40H77NO8	698.5649
HexCer 34:1;O3	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C40H77NO9	714.5598
HexCer 34:1;O4	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C40H77NO10	730.5547
HexCer 35:1;O4	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C41H79NO10	744.5704
HexCer 35:2;O3	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C41H77NO9	726.5598
HexCer 35:2;O4	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C41H77NO10	742.5547
HexCer 35:3;O3	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C41H75NO9	724.5442
HexCer 36:0;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C42H83NO8	728.6119
HexCer 36:2;O3	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C42H79NO9	740.5755
HexCer 37:1;O4	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C43H83NO10	772.6017
HexCer 38:0;O4	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C44H87NO10	788.6330
HexCer 38:2;O3	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C44H83NO9	768.6068
HexCer 38:3;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C44H81NO8	750.5962
HexCer 39:2;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP05]	[M-H]-	C45H85NO8	766.6275
SHexCer 34:1;O3	Sphingolipids	Sulfatides	Sulfoglycosphingolipids (sulfatides) [SP0602]	[M-H]-	C40H77NO12S	794.5167
SHexCer 38:1;O2	Sphingolipids	Sulfatides	Sulfoglycosphingolipids (sulfatides) [SP0602]	[M-H]-	C44H85NO11S	834.5843
SHexCer 40:1;O2	Sphingolipids	Sulfatides	Sulfoglycosphingolipids (sulfatides) [SP0602]	[M-H]-	C46H89NO11S	862.6156
SHexCer 42:1;O2	Sphingolipids	Sulfatides	Sulfoglycosphingolipids (sulfatides) [SP0602]	[M-H]-	C48H93NO11S	890.6469
SHexCer 42:2;O2	Sphingolipids	Sulfatides	Sulfoglycosphingolipids (sulfatides) [SP0602]	[M-H]-	C48H91NO11S	888.6313
Cer 34:1;O2	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C34H67NO3	538.5121
Cer 35:2;O3	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C35H67NO4	566.5070
Cer 37:1;O4	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C37H73NO5	612.5489
Cer 38:0;O4	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C38H77NO5	628.5802
Cer 39:0;O2	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C39H79NO3	610.6060
Cer 40:1;O4	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C40H79NO5	654.5958
Cer 41:1;O3	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C41H81NO4	652.6166
Cer 41:2;O2	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C41H79NO3	634.6060
Cer 42:1;O2	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C42H83NO3	650.6373
Cer 42:1;O4	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H]+	C42H83NO5	682.6271

Cer 42:2;O	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H] ⁺	C42H81NO2	632.6267
Cer 42:2;O2	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H] ⁺	C42H81NO3	648.6216
Cer 43:1;O3	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H] ⁺	C43H85NO4	680.6479
Cer 43:2;O3	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H] ⁺	C43H83NO4	678.6322
Cer 47:0;O2	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H] ⁺	C47H95NO3	722.7312
Cer 47:1;O2	Sphingolipids	Ceramides	Ceramides [SP02]	[M+H] ⁺	C47H93NO3	720.7155
HexCer 35:3;O2	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP13]	[M+H] ⁺	C41H75NO8	710.5493
HexCer 43:2;O6	Sphingolipids	Hexosylceramides	Neutral glycosphingolipids [SP13]	[M+H] ⁺	C49H93NO12	888.6698
SHexCer 40:1;O3	Sphingolipids	Sulfatides	Sulfoglycosphingolipids (sulfatides) [SP0602]	[M+H] ⁺	C46H89NO12S	880.6106
DG 35:3	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C38H68O5	605.5067
DG 36:4	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C39H68O5	617.5067
DG 37:3	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C40H72O5	633.5380
DG 37:4	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C40H70O5	631.5223
DG 37:5	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C40H68O5	629.5067
DG 37:6	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C40H66O5	627.4910
DG 38:6	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C41H68O5	641.5067
DG 38:7	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C41H66O5	639.4910
DG 38:9	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C41H62O5	635.4597
DG 39:4	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C42H74O5	659.5536
DG 39:5	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C42H72O5	657.5380
DG 39:6	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C42H70O5	655.5223
DG 40:10	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C43H64O5	661.4754
DG 41:7	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M+H] ⁺	C44H72O5	681.5380
TG 38:0	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C41H78O6	667.5798
TG 39:0	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C42H80O6	681.5955
TG 39:1	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C42H78O6	679.5798
TG 52:19;O3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C55H68O9	873.4863

TG 53:14;O2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C56H80O8	881.5853
TG 53:15;O2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C56H78O8	879.5697
TG 53:18;O3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C56H72O9	889.5176
TG 53:19;O2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C56H70O8	871.5071
TG 53:19;O3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C56H70O9	887.5020
TG 53:20;O2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C56H68O8	869.4914
TG 56:10	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C59H94O6	899.7050
TG 56:11	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C59H92O6	897.6894
TG 56:12	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C59H90O6	895.6737
TG 56:13	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M+H] ⁺	C59H88O6	893.6581
DG 36:8	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M-H] ⁻	C39H60O5	607.4441
DG 41:5	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M-H] ⁻	C44H76O5	683.5693
DG 42:10	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M-H] ⁻	C45H68O5	687.5067
DG 42:11	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M-H] ⁻	C45H66O5	685.4910
DG 42:9	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M-H] ⁻	C45H70O5	689.5223
DG 44:10	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M-H] ⁻	C47H72O5	715.5380
DG 44:9	Glycerolipids	Diacyl/alkylglycerides	Diradylglycerols [GL02]	[M-H] ⁻	C47H74O5	717.5536
TG 40:2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H] ⁻	C43H78O6	689.5798
TG 42:2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H] ⁻	C45H82O6	717.6111
TG 42:3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H] ⁻	C45H80O6	715.5955
TG 42:4	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H] ⁻	C45H78O6	713.5798
TG 43:3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H] ⁻	C46H82O6	729.6111
TG 43:4	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H] ⁻	C46H80O6	727.5955
TG 44:2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H] ⁻	C47H86O6	745.6424

TG 44:3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C47H84O6	743.6268
TG 46:2	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C49H90O6	773.6737
TG 46:3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C49H88O6	771.6581
TG 46:5	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C49H84O6	767.6268
TG 48:3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C51H92O6	799.6894
TG 48:4	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C51H90O6	797.6737
TG 48:7	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C51H84O6	791.6268
TG 48:8	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C51H82O6	789.6111
TG 53:20;O3	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C56H68O9	883.4863
TG 54:12	Glycerolipids	Triacyl/alkylglycerides	Triradylglycerols [GL03]	[M-H]-	C57H86O6	865.6424
PC 12:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C20H40NO8P	452.2492
PC 14:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C22H44NO8P	480.2805
PC 16:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C24H40NO8P	500.2492
PC 29:1	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C37H72NO8P	688.4996
PC 30:1	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C38H74NO8P	702.5152
PC 30:2	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C38H72NO8P	700.4996
PC 30:3	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C38H70NO8P	698.4839
PC 31:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C39H78NO8P	718.5465
PC 31:1	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C39H76NO8P	716.5309
PC 31:2	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C39H74NO8P	714.5152
PC 32:2	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C40H76NO8P	728.5309
PC 32:3	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C40H74NO8P	726.5152
PC 32:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C40H72NO8P	724.4996
PC 32:5	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C40H70NO8P	722.4839

PC 33:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C41H82NO8P	746.5778
PC 33:1	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C41H80NO8P	744.5622
PC 33:2	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C41H78NO8P	742.5465
PC 33:3	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C41H76NO8P	740.5309
PC 34:5	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C42H74NO8P	750.5152
PC 34:6	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C42H72NO8P	748.4996
PC 35:2	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C43H82NO8P	770.5778
PC 35:3	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C43H80NO8P	768.5622
PC 35:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C43H78NO8P	766.5465
PC 35:5	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C43H76NO8P	764.5309
PC 35:6	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C43H74NO8P	762.5152
PC 36:1	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C44H86NO8P	786.6091
PC 36:5	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C44H78NO8P	778.5465
PC 36:6	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C44H76NO8P	776.5309
PC 36:7	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C44H74NO8P	774.5152
PC 36:8	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C44H72NO8P	772.4996
PC 37:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C45H82NO8P	794.5778
PC 37:5	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C45H80NO8P	792.5622
PC 37:6	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C45H78NO8P	790.5465
PC 37:7	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C45H76NO8P	788.5309
PC 40:9	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C48H78O8NP	826.5465
PC 42:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C50H92NO8P	864.6561
PC 42:5	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C50H90NO8P	862.6404
PC 43:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M-H]-	C51H102NO8P	886.7343

PE 23:3;O3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C28H50NO11P	606.3122
PE 25:4;O2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C30H52NO10P	616.3329
PE 30:3;O2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C35H64NO10P	688.4268
PE 30:4;O3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C35H62NO11P	702.4061
PE 32:1	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C37H72O8NP	688.4996
PE 32:3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C37H68NO8P	684.4683
PE 32:4	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C37H66NO8P	682.4526
PE 34:1	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C39H76O8NP	716.5309
PE 34:2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C39H74O8NP	714.5152
PE 36:1	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C41H80O8NP	744.5622
PE 36:2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C41H78O8NP	742.5465
PE 36:3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C41H76O8NP	740.5309
PE 37:7	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C42H70NO8P	746.4839
PE 38:1	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C43H84O8NP	772.5935
PE 38:2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C43H82O8NP	770.5778
PE 38:3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C43H80O8NP	768.5622
PE 38:4	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C43H78O8NP	766.5465
PE 38:5	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C43H76O8NP	764.5309
PE 38:6	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C43H74O8NP	762.5152
PE 38:6;O	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C43H74NO9P	778.5101
PE 40:4	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C45H82O8NP	794.5778
PE 40:5	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C45H80O8NP	792.5622
PE 40:6	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C45H78O8NP	790.5465
PE 40:7	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C45H76O8NP	788.5309

PE 40:8	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C45H74NO8P	786.5152
PE 42:10	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C47H74O8NP	810.5152
PE 44:10	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C49H78NO8P	838.5465
PE 44:12	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C49H74NO8P	834.5152
PE 44:8	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M-H]-	C49H82NO8P	842.5778
PG 34:1	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C40H77O10P	747.5254
PG 34:2	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C40H75O10P	745.5098
PG 34:3	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C40H73O10P	743.4941
PG 36:1	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C42H81O10P	775.5567
PG 36:2	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C42H79O10P	773.5411
PG 36:3	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C42H77O10P	771.5254
PG 36:5	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C42H73O10P	767.4941
PG 38:7	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C44H73O10P	791.4941
PG 38:8	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M-H]-	C44H71O10P	789.4785
PI 22:2;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C31H55O15P	697.3279
PI 23:3;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C32H55O15P	709.3279
PI 25:1;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C34H63O15P	741.3905
PI 25:3;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C34H59O15P	737.3592
PI 25:4;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C34H57O15P	735.3435
PI 26:1	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C35H65O13P	723.4163
PI 26:3;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C35H61O15P	751.3748
PI 27:2;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C36H65O15P	767.4061
PI 28:2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C37H67O13P	749.4319
PI 30:3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C39H69O13P	775.4476

PI 30:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C39H67O13P	773.4319
PI 31:1	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C40H75O13P	793.4945
PI 31:2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C40H73O13P	791.4789
PI 31:3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C40H71O13P	789.4632
PI 31:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C40H69O13P	787.4476
PI 34:1	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C43H81O13P	835.5415
PI 36:1	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C45H85O13P	863.5728
PI 36:2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C45H83O13P	861.5571
PI 36:3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C45H81O13P	859.5415
PI 36:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C45H79O13P	857.5258
PI 37:7	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C46H75O13P	865.4945
PI 38:1	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C47H89O13P	891.6041
PI 38:2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C47H87O13P	889.5884
PI 38:3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C47H85O13P	887.5728
PI 38:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C47H83O13P	885.5571
PI 38:5	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M-H]-	C47H81O13P	883.5415
PS 28:2;O3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C34H62NO13P	722.3959
PS 30:2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C36H66NO10P	702.4424
PS 30:3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C36H64NO10P	700.4268
PS 30:3;O3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C36H64NO13P	748.4115
PS 30:4;O3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C36H62NO13P	746.3959
PS 31:2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C37H68NO10P	716.4581
PS 31:3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C37H66NO10P	714.4424
PS 33:2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C39H72NO10P	744.4894

PS 33:3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C39H70NO10P	742.4737
PS 33:4	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C39H68NO10P	740.4581
PS 34:0	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C40H78NO10P	762.5363
PS 34:5	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C40H68NO10P	752.4581
PS 34:6	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C40H66NO10P	750.4424
PS 35:2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C41H76NO10P	772.5207
PS 35:3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C41H74NO10P	770.5050
PS 35:4	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C41H72NO10P	768.4894
PS 35:5	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C41H70NO10P	766.4737
PS 35:6	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C41H68NO10P	764.4581
PS 36:1	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C42H80NO10P	788.5520
PS 36:2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C42H78NO10P	786.5363
PS 36:7	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C42H68NO10P	776.4581
PS 36:8	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C42H66NO10P	774.4424
PS 37:5	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C43H74NO10P	794.5050
PS 37:6	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C43H72NO10P	792.4894
PS 37:7	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C43H70NO10P	790.4737
PS 40:10	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C46H70NO10P	826.4737
PS 42:5	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C48H84NO10P	864.5833
PS 42:6	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C48H82NO10P	862.5676
PS 44:6	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C50H86NO10P	890.5989
PS 44:7	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C50H84NO10P	888.5833
PS 44:8	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M-H]-	C50H82NO10P	886.5676
PC 26:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H]+	C34H68NO8P	650.4683

PC 27:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C35H70NO8P	664.4839
PC 27:1	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C35H68NO8P	662.4683
PC 28:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C36H72NO8P	678.4996
PC 30:0	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C38H76NO8P	706.5309
PC 32:1	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C40H78O8NP	732.5465
PC 32:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C40H72O8NP	726.4996
PC 33:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C41H74NO8P	740.5152
PC 44:4	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C52H96NO8P	894.6874
PC 44:5	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C52H94NO8P	892.6717
PC 44:6	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C52H92NO8P	890.6561
PC 44:7	Glycerophospholipids	Phosphatidylcholines	Glycerophosphocholines [GP01]	[M+H] ⁺	C52H90NO8P	888.6404
PE 20:1;O2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C25H48NO10P	554.3016
PE 21:1;O2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C26H50NO10P	568.3172
PE 28:2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C33H62NO8P	632.4213
PE 30:0	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C35H70O8NP	664.4839
PE 30:2	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C35H66NO8P	660.4526
PE 30:3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C35H64NO8P	658.4370
PE 30:3;O3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C35H64NO11P	706.4217
PE 30:4	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C35H62NO8P	656.4213
PE 31:3	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C36H66NO8P	672.4526
PE 32:0	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C37H74NO8P	692.5152
PE 32:5	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C37H64NO8P	682.4370
PE 34:5	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C39H68NO8P	710.4683
PE 34:6	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C39H66NO8P	708.4526

PE 36:4	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C41H74O8NP	740.5152
PE 36:5	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C41H72O8NP	738.4996
PE 36:6	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C41H70NO8P	736.4839
PE 36:7	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C41H68NO8P	734.4683
PE 36:8	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C41H66NO8P	732.4526
PE 38:5;O	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C43H76NO9P	782.5258
PE 38:7	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C43H72NO8P	762.4996
PE 38:8	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C43H70NO8P	760.4839
PE 38:9	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C43H68NO8P	758.4683
PE 40:10	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C45H70NO8P	784.4839
PE 40:9	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C45H72NO8P	786.4996
PE 42:11	Glycerophospholipids	Phosphatidylethanolamines	Glycerophosphoethanolamines [GP02]	[M+H] ⁺	C47H72NO8P	810.4996
PG 36:6	Glycerophospholipids	Phosphatidylglycerols	Glycerophosphoglycerols [GP04]	[M+H] ⁺	C42H71O10P	767.4785
PI 23:2;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C32H57O15P	713.3435
PI 24:2;O3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C33H59O16P	743.3541
PI 24:3;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C33H57O15P	725.3435
PI 24:3;O3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C33H57O16P	741.3384
PI 25:4;O3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C34H57O16P	753.3384
PI 26:3;O3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C35H61O16P	769.3697
PI 26:4;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C35H59O15P	751.3592
PI 26:4;O3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C35H59O16P	767.3541
PI 28:2;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C37H67O15P	783.4218
PI 28:2;O3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C37H67O16P	799.4167
PI 29:2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C38H69O13P	765.4476

PI 30:3;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C39H69O15P	809.4374
PI 30:4;O2	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C39H67O15P	807.4218
PI 31:0	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C40H77O13P	797.5102
PI 32:0	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C41H79O13P	811.5258
PI 32:3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C41H73O13P	805.4789
PI 32:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C41H71O13P	803.4632
PI 34:3	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C43H77O13P	833.5102
PI 34:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C43H75O13P	831.4945
PI 36:6	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C45H75O13P	855.4945
PI 36:7	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C45H73O13P	853.4789
PI 37:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C46H81O13P	873.5415
PI 37:5	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C46H79O13P	871.5258
PI 37:6	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C46H77O13P	869.5102
PI 38:4	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C47H83O13P	887.5571
PI 38:7	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C47H77O13P	881.5102
PI 38:8	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C47H75O13P	879.4945
PI 38:9	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C47H73O13P	877.4789
PI 39:6	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C48H81O13P	897.5415
PI 39:7	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C48H79O13P	895.5258
PI 39:8	Glycerophospholipids	Phosphatidylinositols	Glycerophosphoinositols [GP06]	[M+H] ⁺	C48H77O13P	893.5102
PS 28:0	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C34H66NO10P	680.4424
PS 28:2;O2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C34H62NO12P	708.4010
PS 28:3;O2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C34H60NO12P	706.3853
PS 30:4;O2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C36H62NO12P	732.4010

PS 33:5	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C39H66NO10P	740.4424
PS 34:1	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C40H76NO10P	762.5207
PS 34:2	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C40H74NO10P	760.5050
PS 34:3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C40H72NO10P	758.4894
PS 36:3	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C42H76NO10P	786.5207
PS 36:4	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C42H74NO10P	784.5050
PS 36:5	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C42H72NO10P	782.4894
PS 40:8	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C46H74NO10P	832.5050
PS 44:4	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C50H90NO10P	896.6302
PS 44:5	Glycerophospholipids	Phosphatidylserines	Glycerophosphoserines [GP03]	[M+H] ⁺	C50H88NO10P	894.6146
ST 18:5;O2	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C18H20O2	269.1463
ST 20:5;O4	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C20H24O4	329.1675
ST 23:1;O5	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C23H38O5	395.2719
ST 24:1;O4	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C24H40O4	393.2927
ST 24:5;O3	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C24H32O3	369.2351
ST 28:6;O5	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C28H38O5	455.2719
ST 29:2;O6	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C29H48O6	493.3451
ST 29:4;O9	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C29H44O9	537.2985
ST 32:6;O9	Sterol Lipids	Sterols	Sterols [ST01]	[M+H] ⁺	C32H46O9	575.3142
ST 18:3;O2	Sterol Lipids	Sterols	Sterols [ST01]	[M-H] ⁻	C18H24O2	271.1776
ST 21:0;O	Sterol Lipids	Sterols	Sterols [ST01]	[M-H] ⁻	C21H36O	303.2766
ST 25:2;O4	Sterol Lipids	Sterols	Sterols [ST01]	[M-H] ⁻	C25H40O4	403.2927