Supplemental Tables for

Off-line mixed-mode liquid chromatography coupled with reversed phase high-performance liquid chromatography-high resolution mass spectrometry to improve coverage in lipidomics analysis

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Table A.1: Fatty acid species identified as fatty acyl methyl esters (FAMEs) by the GC method in rat liver and plasma (See Figure A.1). “a” and “b” indicate different isomers. X: identified in the sample; n/a: not detected.

Peak	FAME	RT (min)	Plasma	Liver
1	C8:0	9.807	X	X
2	C9:0	10.945	X	n/a
3	C10:0	12.130	X	X
4	C11:0	13.315	n/a	X
5	C12:0	14.508	X	X
6	C13:0	15.700	X	X
7	C14:0	16.917	X	X
8	C14:1	17.832	n/a	X
9	C15:0	18.158	X	X
10	C16:0	19.463	X	X
11a	C16:1 (*trans*)	19.983	X	X
11	C16:1 (*cis*)	20.310	X	X
12	C16:2	21.388	X	X
13	C16:3	21.928	n/a	X
14	C17:0	20.802	X	X
15	C17:1	21.708	n/a	X
16	C18:0	22.212	X	X
17a	C18:1 (*trans*)	22.753	X	X
17b	C18:1 (*cis*)	23.207	X	X
18	C18:2	23.655	X	X
19	C18:3	25.238	X	X
20	C18:4	26.883	X	X
21	C19:0	23.718	X	X
22	C20:0	25.158	X	X
23a	20:1	26.208	X	X
23b	C20:1	26.358	X	X
24	C20:2	27.395	X	X
25	C20:3	28.370	X	X
26a	C20:4	29.095	X	X
26b	C20:4	29.695	X	X
27a	C20:5	30.735	X	X
27b	C20:5	34.098	X	X
28	C21:0	26.668	X	n/a
29	C22:0	28.215	X	X
30	C22:4	32.210	X	X
31	C22:5	32.808	X	X
32	C22:6	34.725	X	X
33	C23:0	29.738	X	n/a
34	C24:0	31.287	X	X
35	C24:1	32.225	X	n/a
36	C25:0	32.622	X	n/a

Table A.2: Lipids identified in rat liver by off-line two-dimensional high-performance liquid chromatography-high resolution mass spectrometry.

Detection method	Lipid Molecule	Class	Fatty acids (FA)	FA Group	Calc Mass	Formula	Base Rt	Main Ion
*	Cer(d18:0/16:0)	Cer	d18:0/16:0	d34:0	539.5277	C34 H69 O3 N1	12.639	+H
X	Cer(d18:0/16:0)	Cer	d18:0/16:0	d34:0	539.5277	C34 H69 O3 N1	12.946	+H
X	Cer(d18:0/18:0)	Cer	d18:0/18:0	d36:0	567.559	C36 H73 O3 N1	14.258	+H
*	Cer(d18:0/16:0)	Cer	d18:0/16:0	d34:0	539.5277	C34 H69 O3 N1	12.779	+H
*	Cer(d18:0/22:0)	Cer	d18:0/22:0	d40:0	623.6216	C40 H81 O3 N1	16.042	+H
*	Cer(d18:0/22:0)	Cer	d18:0/22:0	d40:0	623.6216	C40 H81 O3 N1	16.97	+H
*	Cer(d18:0/24:0)	Cer	d18:0/24:0	d42:0	651.6529	C42 H85 O3 N1	17.13	+H
X	Cer(d18:0/24:0)	Cer	d18:0/24:0	d42:0	651.6529	C42 H85 O3 N1	17.91	+H
*	Cer(d18:1/16:0)	Cer	d18:1/16:0	d34:1	537.5121	C34 H67 O3 N1	11.808	-H
X	Cer(d18:1/16:0)	Cer	d18:1/16:0	d34:1	537.5121	C34 H67 O3 N1	12.07	+H
*	Cer(d18:1/16:0+O)	Cer	d18:1/16:0+O	d34:1+O	553.507	C34 H67 O4 N1	11.387	-H
*	Cer(d18:1/16:1)	Cer	d18:1/16:1	d34:2	535.4964	C34 H65 O3 N1	9.655	+H
*	Cer(d18:1/16:1)	Cer	d18:1/16:1	d34:2	535.4964	C34 H65 O3 N1	11.394	+H
X	Cer(d18:1/18:0)	Cer	d18:1/18:0	d36:1	565.5434	C36 H71 O3 N1	13.713	+H
*	Cer(d18:1/18:1)	Cer	d18:1/18:1	d36:2	563.5277	C36 H69 O3 N1	12.202	-H
X	Cer(d18:1/20:0)	Cer	d18:1/20:0	d38:1	593.5747	C38 H75 O3 N1	15.273	+H
X	Cer(d18:1/22:0)	Cer	d18:1/22:0	d40:1	621.606	C40 H79 O3 N1	16.616	-H
X	Cer(d18:1/24:0)	Cer	d18:1/24:0	d42:1	649.6373	C42 H83 O3 N1	16.824	+H
X	Cer(d18:1/24:0)	Cer	d18:1/24:0	d42:1	649.6373	C42 H83 O3 N1	17.441	+H
*	Cer(d18:1/24:0)	Cer	d18:1/24:0	d42:1	649.6373	C42 H83 O3 N1	17.619	-H
*	Cer(d18:2/16:0)	Cer	d18:2/16:0	d34:2	535.4964	C34 H65 O3 N1	10.695	-H
*	Cer(d18:2/16:1)	Cer	d18:2/16:1	d34:3	533.4808	C34 H63 O3 N1	10.023	+H
*	Cer(d18:2/20:0)	Cer	d18:2/20:0	d38:2	591.559	C38 H73 O3 N1	14.008	-H
*	Cer(d18:2/22:0)	Cer	d18:2/22:0	d40:2	619.5903	C40 H77 O3 N1	15.584	+H
*	Cer(d18:2/24:0)	Cer	d18:2/24:0	d42:2	647.6216	C42 H81 O3 N1	16.635	+H
*	Cer(d18:2/24:0)	Cer	d18:2/24:0	d42:2	647.6216	C42 H81 O3 N1	16.831	-H

*	Cer(d18:2/24:0)	Cer	d18:2/24:0	d42:2	647.6216	C42 H81 O3 N1	16.969	+H
*	CE(18:2)	CE	18:2	18:2	648.5845	C45 H76 O2	20.82	+NH4
*	CE(20:4)	CE	20:4	20:4	672.5845	C47 H76 O2	20.508	+NH4
*	CL(16:2,22:6,18:2,18:2)	CL	16:2/22:6/18:2/18:2	74:12	1468.941	C83 H138 O17 P2	18.096	-H
X	CL(18:1,16:0,16:0,18:1)	CL	18:1/16:0/16:0/18:1	68:2	1405.004	C77 H146 O17 P2	19.681	-H
*	CL(18:2,16:0,16:0,18:1)	CL	18:2/16:0/16:0/18:1	68:3	1402.988	C77 H144 O17 P2	19.406	-H
X	CL(18:2,12:0,18:2,18:2)	CL	18:2/12:0/18:2/18:2	66:6	1368.91	C75 H134 O17 P2	17.831	-H
X	CL(18:2,14:0,20:4,18:2)	CL	18:2/14:0/20:4/18:2	70:8	1420.941	C79 H138 O17 P2	18.7	-H
X	CL(18:2,15:0,18:2,18:1)	CL	18:2/15:0/18:2/18:1	69:5	1412.972	C78 H142 O17 P2	18.922	-H
*	CL(18:2,16:0,16:0,20:1)	CL	18:2/16:0/16:0/20:1	70:3	1431.019	C79 H148 O17 P2	11.408	-H
X	CL(18:2,16:0,18:1,16:0)	CL	18:2/16:0/18:1/16:0	68:3	1402.988	C77 H144 O17 P2	19.446	-H
X	CL(18:2,16:1,16:1,18:2)	CL	18:2/16:1/16:1/18:2	68:6	1396.941	C77 H138 O17 P2	18.323	-H
X	CL(18:2,16:1,18:1,18:2)	CL	18:2/16:1/18:1/18:2	70:6	1424.972	C79 H142 O17 P2	18.765	-H
*	CL(18:2,16:1,18:2,18:2)	CL	18:2/16:1/18:2/18:2	70:7	1422.957	C79 H140 O17 P2	18.346	-H
X	CL(18:2,18:0,18:0,20:1)	CL	18:2/18:0/18:0/20:1	74:3	1487.082	C83 H156 O17 P2	13.019	-H
X	CL(18:2,18:0,18:0,22:4)	CL	18:2/18:0/18:0/22:4	76:6	1509.066	C85 H154 O17 P2	12.996	-H
X	CL(18:2,18:1,18:1,18:2)	CL	18:2/18:1/18:1/18:2	72:6	1453.004	C81 H146 O17 P2	19.103	-H
X	CL(18:2,18:1,18:2,18:2)	CL	18:2/18:1/18:2/18:2	72:7	1450.988	C81 H144 O17 P2	18.774	-H
*	CL(18:2,18:1,20:4,18:2)	CL	18:2/18:1/20:4/18:2	74:9	1474.988	C83 H144 O17 P2	18.698	-H
X	CL(18:2,18:2,16:0,18:1)	CL	18:2/18:2/16:0/18:1	70:5	1426.988	C79 H144 O17 P2	19.125	-H
X	CL(18:2,18:2,18:2,18:2)	CL	18:2/18:2/18:2/18:2	72:8	1448.972	C81 H142 O17 P2	18.436	-H
X	CL(18:2,18:2,18:2,18:2)	CL	18:2/18:2/18:2/18:2	72:8	1448.972	C81 H142 O17 P2	19.112	-H
X	CL(18:2,18:2,20:3,18:2)	CL	18:2/18:2/20:3/18:2	74:9	1474.988	C83 H144 O17 P2	18.551	-H
*	CL(18:2,18:2,20:4,18:2)	CL	18:2/18:2/20:4/18:2	74:10	1472.972	C83 H142 O17 P2	18.347	-H
X	CL(18:2,18:2,22:5,18:2)	CL	18:2/18:2/22:5/18:2	76:11	1498.988	C85 H144 O17 P2	18.871	-H
X	CL(18:2,18:2,22:6,18:2)	CL	18:2/18:2/22:6/18:2	76:12	1496.972	C85 H142 O17 P2	18.214	-H
*	CL(18:2,20:3,18:2,20:4)	CL	18:2/20:3/18:2/20:4	76:11	1498.988	C85 H144 O17 P2	18.569	-H
X	CL(18:2,20:4,18:1,18:2)	CL	18:2/20:4/18:1/18:2	74:9	1474.988	C83 H144 O17 P2	19.103	-H
*	CL(18:2,20:4,18:2,20:3)	CL	18:2/20:4/18:2/20:3	76:11	1498.988	C85 H144 O17 P2	18.35	-H
*	CL(18:2,22:6,16:1,22:6)	CL	18:2/22:6/16:1/22:6	78:15	1518.957	C87 H140 O17 P2	18.226	-H

X	CL(18:3,16:1,18:2,18:2)	CL	18:3/16:1/18:2/18:2	70:8	1420.941	C79 H138 O17 P2	18.035	-H
X	CL(18:3,18:2,16:1,22:6)	CL	18:3/18:2/16:1/22:6	74:12	1468.941	C83 H138 O17 P2	18.122	-H
X	CL(18:3,18:2,18:2,18:2)	CL	18:3/18:2/18:2/18:2	72:9	1446.957	C81 H140 O17 P2	18.1	-H
*	CL(18:3,20:3,18:2,18:2)	CL	18:3/20:3/18:2/18:2	74:10	1472.972	C83 H142 O17 P2	18.22	-H
*	CL(20:2,16:0,20:4,20:4)	CL	20:2/16:0/20:4/20:4	76:10	1501.004	C85 H146 O17 P2	11.192	-H
*	CL(20:2,16:0,22:6,22:6)	CL	20:2/16:0/22:6/22:6	80:14	1549.004	C89 H146 O17 P2	10.82	-H
*	CL(20:2,18:2,18:1,20:3)	CL	20:2/18:2/18:1/20:3	76:8	1505.035	C85 H150 O17 P2	19.236	-H
X	CL(20:2,18:2,18:2,18:1)	CL	20:2/18:2/18:2/18:1	74:7	1479.019	C83 H148 O17 P2	19.141	-H
X	CL(20:2,18:2,18:2,18:2)	CL	20:2/18:2/18:2/18:2	74:8	1477.004	C83 H146 O17 P2	18.87	-H
*	CL(20:2,18:2,18:2,20:3)	CL	20:2/18:2/18:2/20:3	76:9	1503.019	C85 H148 O17 P2	18.95	-H
X	CL(20:4,16:0,20:0,20:4)	CL	20:4/16:0/20:0/20:4	76:8	1505.035	C85 H150 O17 P2	11.236	-H
*	CL(20:4,18:0,20:4,22:0)	CL	20:4/18:0/20:4/22:0	80:8	1561.097	C89 H158 O17 P2	12.857	-H
X	CL(20:5,18:2,14:0,18:2)	CL	20:5/18:2/14:0/18:2	70:9	1418.925	C79 H136 O17 P2	18.301	-H
X	CL(20:5,18:2,16:1,18:2)	CL	20:5/18:2/16:1/18:2	72:10	1444.941	C81 H138 O17 P2	18.35	-H
X	CL(20:5,18:2,18:2,18:2)	CL	20:5/18:2/18:2/18:2	74:11	1470.957	C83 H140 O17 P2	18.012	-H
X	CL(20:5,18:2,18:2,18:2)	CL	20:5/18:2/18:2/18:2	74:11	1470.957	C83 H140 O17 P2	18.444	-H
*	CL(20:5,18:2,18:2,20:4)	CL	20:5/18:2/18:2/20:4	76:13	1494.957	C85 H140 O17 P2	18.387	-H
*	CL(20:5,18:2,22:6,18:2)	CL	20:5/18:2/22:6/18:2	78:15	1518.957	C87 H140 O17 P2	18.268	-H
*	CL(22:5,16:0,18:1,22:5)	CL	22:5/16:0/18:1/22:5	78:11	1527.019	C87 H148 O17 P2	11.235	-H
*	CL(22:5,16:0,20:0,20:4)	CL	22:5/16:0/20:0/20:4	78:9	1531.051	C87 H152 O17 P2	11.286	-H
*	CL(22:5,18:1,18:1,22:5)	CL	22:5/18:1/18:1/22:5	80:12	1553.035	C89 H150 O17 P2	11.283	-H
*	CL(22:6,16:0,20:0,22:6)	CL	22:6/16:0/20:0/22:6	80:12	1553.035	C89 H150 O17 P2	10.872	-H
*	CL(22:6,16:0,20:1,20:4)	CL	22:6/16:0/20:1/20:4	78:11	1527.019	C87 H148 O17 P2	10.822	-H
*	CL(22:6,18:0,20:0,22:5)	CL	22:6/18:0/20:0/22:5	82:11	1583.082	C91 H156 O17 P2	12.421	-H
*	DG(16:0/0:0/18:2)	DG	16:0/0:0/18:2	34:1	594.5223	C37 H70 O5	14.921	+NH4
*	DG(16:0/0:0/20:4)	DG	16:0/0:0/20:4	34:2	592.5067	C37 H68 O5	13.768	+NH4
*	DG(16:0/18:1/0:0)	DG	16:0/18:1/0:0	34:2	592.5067	C37 H68 O5	13.762	+NH4
*	DG(16:0/18:2/0:0)	DG	16:0/18:2/0:0	34:3	590.491	C37 H66 O5	9.608	+H
*	DG(16:0/18:3/0:0)	DG	16:0/18:3/0:0	34:3	590.491	C37 H66 O5	10.652	+H
*	DG(16:0/18:3/0:0)	DG	16:0/18:3/0:0	34:3	590.491	C37 H66 O5	12.72	+H

*	DG(16:0/18:3/0:0)	DG	16:0/18:3/0:0	36:4	616.5067	C39 H68 O5	13.395	+H
*	DG(16:0/20:4/0:0)	DG	16:0/20:4/0:0	36:4	616.5067	C39 H68 O5	13.373	+H
*	DG(16:0/22:5/0:0)	DG	16:0/22:5/0:0	38:5	642.5223	C41 H70 O5	13.511	+H
*	DG(16:0/22:6/0:0)	DG	16:0/22:6/0:0	38:6	640.5067	C41 H68 O5	12.936	+NH4
*	DG(16:1/18:2/0:0)	DG	16:1/18:2/0:0	34:3	590.491	C37 H66 O5	12.308	+NH4
*	DG(16:1/18:3/0:0)	DG	16:1/18:3/0:0	34:4	588.4754	C37 H64 O5	8.236	+H
*	DG(18:0/0:0/20:4)	DG	18:0/0:0/20:4	36:2	620.538	C39 H72 O5	15.293	+NH4
*	DG(18:0/18:2/0:0)	DG	18:0/18:2/0:0	36:3	618.5223	C39 H70 O5	11.157	+H
*	DG(18:0/18:3/0:0)	DG	18:0/18:3/0:0	38:3	646.5536	C41 H74 O5	15.62	+H
*	DG(18:0/20:3/0:0)	DG	18:0/20:3/0:0	38:4	644.538	C41 H72 O5	14.981	+H
*	DG(18:0/20:4/0:0)	DG	18:0/20:4/0:0	38:4	644.538	C41 H72 O5	14.94	+NH4
*	DG(18:1/0:0/18:2)	DG	18:1/0:0/18:2	36:2	620.538	C39 H72 O5	14.987	+NH4
*	DG(18:1/18:1/0:0)	DG	18:1/18:1/0:0	36:3	618.5223	C39 H70 O5	13.848	+NH4
*	DG(18:1/18:2/0:0)	DG	18:1/18:2/0:0	36:3	618.5223	C39 H70 O5	13.815	+NH4
*	DG(18:1/18:3/0:0)	DG	18:1/18:3/0:0	36:4	616.5067	C39 H68 O5	9.706	+H
*	DG(18:1/18:3/0:0)	DG	18:1/18:3/0:0	36:4	616.5067	C39 H68 O5	9.86	+H
*	DG(18:1/18:3/0:0)	DG	18:1/18:3/0:0	36:4	616.5067	C39 H68 O5	12.793	+H
*	DG(18:1/20:4/0:0)	DG	18:1/20:4/0:0	38:5	642.5223	C41 H70 O5	13.404	+H
*	DG(18:2/0:0/18:2)	DG	18:2/0:0/18:2	36:4	616.5067	C39 H68 O5	12.63	+NH4
*	DG(18:2/18:2/0:0)	DG	18:2/18:2/0:0	36:4	616.5067	C39 H68 O5	12.604	+NH4
*	DG(18:2/20:4/0:0)	DG	18:2/20:4/0:0	38:6	640.5067	C41 H68 O5	12.235	+NH4
*	DG(18:2/22:6/0:0)	DG	18:2/22:6/0:0	40:8	664.5067	C43 H68 O5	11.819	+NH4
*	DG(18:3/18:2/0:0)	DG	18:3/18:2/0:0	36:5	614.491	C39 H66 O5	8.618	+H
*	DG(18:3/18:2/0:0)	DG	18:3/18:2/0:0	36:5	614.491	C39 H66 O5	11.556	+H
*	DG(18:3/18:3/0:0)	DG	18:3/18:3/0:0	36:6	612.4754	C39 H64 O5	10.532	+H
*	DG(18:3/20:4/0:0)	DG	18:3/20:4/0:0	38:7	638.491	C41 H66 O5	11.209	+H
*	DG(18:4/16:0/0:0)	DG	18:4/16:0/0:0	34:4	588.4754	C37 H64 O5	8.112	+H
*	DG(18:4/16:0/0:0)	DG	18:4/16:0/0:0	34:4	588.4754	C37 H64 O5	9.494	+H
*	DG(18:4/16:0/0:0)	DG	18:4/16:0/0:0	34:4	588.4754	C37 H64 O5	9.751	+H
*	DG(18:4/16:0/0:0)	DG	18:4/16:0/0:0	34:4	588.4754	C37 H64 O5	9.979	+H

*	DG(18:4/18:1/0:0)	DG	18:4/18:1/0:0	36:5	614.491	C39 H66 O5	8.188	+H
*	DG(18:4/18:2/0:0)	DG	18:4/18:2/0:0	36:6	612.4754	C39 H64 O5	8.513	+H
*	DG(20:3/18:2/0:0)	DG	20:3/18:2/0:0	38:5	642.5223	C41 H70 O5	12.981	+H
*	DG(22:4/18:2/0:0)	DG	22:4/18:2/0:0	40:6	668.538	C43 H72 O5	13.376	+H
*	DG(22:5/18:2/0:0)	DG	22:5/18:2/0:0	40:7	666.5223	C43 H70 O5	12.369	+H
*	LysoPC(0:0/14:0)	LPC	14:0	14:0	467.3012	C22 H46 O7 N1 P1	1.542	+H
X	LysoPC(14:0/0:0)	LPC	14:0	14:0	467.3012	C22 H46 O7 N1 P1	1.662	+H
*	LysoPC(0:0/15:0)	LPC	15:0	15:0	481.3168	C23 H48 O7 N1 P1	1.852	+H
X	LysoPC(15:0/0:0)	LPC	15:0	15:0	481.3168	C23 H48 O7 N1 P1	2.002	+H
X	LysoPC(0:0/16:0)	LPC	16:0	16:0	495.3325	C24 H50 O7 N1 P1	1.950	+H
X	LysoPC(16:0/0:0)	LPC	16:0	16:0	495.3325	C24 H50 O7 N1 P1	2.46	+H
X	LysoPC(16:0e)	LPC	16:0e	16:0e	481.3532	C24 H52 O6 N1 P1	2.952	+H
X	LysoPC(0:0/16:1)	LPC	16:1	16:1	493.3168	C24 H48 O7 N1 P1	1.668	+H
*	LysoPC(16:1/0:0)	LPC	16:1	16:1	493.3168	C24 H48 O7 N1 P1	1.787	+H
*	LysoPC(16:1p)	LPC	16:1p	16:1p	477.3219	C24 H48 O6 N1 P1	2.259	+H
X	LysoPC(16:1)	LPC	16:1p	16:1p	477.3219	C24 H48 O6 N1 P1	2.435	+H
*	LysoPC(16:2/0:0)	LPC	16:2	16:2	491.3012	C24 H46 O7 N1 P1	1.453	+H
X	LysoPC(0:0/17:0)	LPC	17:0	17:0	509.3481	C25 H52 O7 N1 P1	2.827	+H
*	LysoPC(17:0/0:0)	LPC	17:0	17:0	509.3481	C25 H52 O7 N1 P1	3.057	+H
X	LysoPC(0:0/18:0)	LPC	18:0	18:0	523.3638	C26 H54 O7 N1 P1	3.477	+H
X	LysoPC(18:0/0:0)	LPC	18:0	18:0	523.3638	C26 H54 O7 N1 P1	3.802	+H
X	LysoPC(18:0e)	LPC	18:0e	18:0e	509.3845	C26 H56 O6 N1 P1	4.591	+H
X	LysoPC(18:0p)	LPC	18:0p	18:0p	507.3689	C26 H54 O6 N1 P1	3.147	+H
X	LysoPC(0:0/18:1)	LPC	18:1	18:1	521.3481	C26 H52 O7 N1 P1	2.443	+H
X	LysoPC(18:1/0:0)	LPC	18:1	18:1	521.3481	C26 H52 O7 N1 P1	2.629	+H
X	LysoPC(18:1p)	LPC	18:1p	18:1p	505.3532	C26 H52 O6 N1 P1	3.805	+H
X	LysoPC(0:0/18:2)	LPC	18:2	18:2	519.3325	C26 H50 O7 N1 P1	1.855	+H
X	LysoPC(18:2/0:0)	LPC	18:2	18:2	519.3325	C26 H50 O7 N1 P1	1.99	+H
X	LysoPC(18:3/0:0)	LPC	18:3	18:3	517.3168	C26 H48 O7 N1 P1	1.6	+H
*	LysoPC(0:0/18:3)	LPC	18:3	18:3	517.3168	C26 H48 O7 N1 P1	2.267	+H

*	LysoPC(18:3/0:0)	LPC	18:3	18:3	517.3168	C26 H48 O7 N1 P1	2.469	+H
X	LysoPC(0:0/19:0)	LPC	19:0	19:0	537.3794	C27 H56 O7 N1 P1	4.334	+H
X	LysoPC(19:0/0:0)	LPC	19:0	19:0	537.3794	C27 H56 O7 N1 P1	4.714	+H
X	LysoPC(0:0/20:0)	LPC	20:0	20:0	551.3951	C28 H58 O7 N1 P1	5.427	+H
*	LysoPC(20:0/0:0)	LPC	20:0	20:0	551.3951	C28 H58 O7 N1 P1	5.733	+H
X	LysoPC(20:1/0:0)	LPC	20:1	20:1	549.3794	C28 H56 O7 N1 P1	3.914	+H
X	LysoPC(0:0/20:2)	LPC	20:2	20:2	547.3638	C28 H54 O7 N1 P1	2.877	+H
X	LysoPC(0:0/20:3)	LPC	20:3	20:3	545.3481	C28 H52 O7 N1 P1	2.241	+HCOO
*	LysoPC(0:0/20:3)	LPC	20:3	20:3	545.3481	C28 H52 O7 N1 P1	3.818	+H
X	LysoPC(0:0/20:4)	LPC	20:4	20:4	543.3325	C28 H50 O7 N1 P1	1.798	+H
*	LysoPC(20:4/0:0)	LPC	20:4	20:4	543.3325	C28 H50 O7 N1 P1	1.917	+H
*	LysoPC(20:4/0:0)	LPC	20:4	20:4	543.3325	C28 H50 O7 N1 P1	2.605	+H
*	LysoPC(0:0/20:5)	LPC	20:5	20:5	541.3168	C28 H48 O7 N1 P1	1.852	+H
*	LysoPC(20:5/0:0)	LPC	20:5	20:5	541.3168	C28 H48 O7 N1 P1	1.988	+H
X	LysoPC(22:0/0:0)	LPC	22:0	22:0	579.4264	C30 H62 O7 N1 P1	7.487	+H
X	LysoPC(0:0/22:6)	LPC	22:6	22:6	567.3325	C30 H50 O7 N1 P1	1.714	+H
*	LysoPE(16:0)	LPE	16:0	16:0	453.2855	C21 H44 O7 N1 P1	2.386	+H
*	LysoPE(16:0)	LPE	16:0	16:0	453.2855	C21 H44 O7 N1 P1	2.584	-H
*	LysoPE(18:0)	LPE	18:0	18:0	481.3168	C23 H48 O7 N1 P1	3.687	-H
*	LysoPE(18:0)	LPE	18:0	18:0	481.3168	C23 H48 O7 N1 P1	4.004	+H
*	LysoPE(18:1)	LPE	18:1	18:1	479.3012	C23 H46 O7 N1 P1	2.756	-H
X	LysoPE(18:2)	LPE	18:2	18:2	477.2855	C23 H44 O7 N1 P1	2.075	+H
X	LPE(20:4)	LPE	20:4	20:4	501.2855	C25 H44 O7 N1 P1	1.899	-H
X	LPE(22:5)	LPE	22:5	22:5	527.3012	C27 H46 O7 N1 P1	1.998	+H
X	LPE(22:6)	LPE	22:6	22:6	525.2855	C27 H44 O7 N1 P1	1.800	+H
*	LysoPG(16:0)	LPG	16:0	16:0	484.2801	C22 H45 O9 N0 P1	2.314	-H
*	LysoPG(18:1)	LPG	18:1	18:1	510.2958	C24 H47 O9 N0 P1	2.465	-H
X	LysoPG(18:2)	LPG	18:2	18:2	508.2801	C24 H45 O9 N0 P1	1.868	-H
*	LysoPG(20:4)	LPG	20:4	20:4	532.2801	C26 H45 O9 N0 P1	1.817	-H
*	LysoPG(22:6)	LPG	22:6	22:6	556.2801	C28 H45 O9 N0 P1	1.713	-H

*	LysoPI(16:0)	LPI	16:0	16:0	572.2962	C25 H49 O12 N0 P1	2.112	-H
*	LysoPI(18:0)	LPI	18:0	18:0	600.3275	C27 H53 O12 N0 P1	2.961	-H
X	LysoPI(18:0)	LPI	18:0	18:0	600.3275	C27 H53 O12 N0 P1	3.229	-H
*	LysoPI(18:2)	LPI	18:2	18:2	596.2962	C27 H49 O12 N0 P1	1.734	-H
*	LysoPI(20:3)	LPI	20:3	20:3	622.3118	C29 H51 O12 N0 P1	1.955	-H
*	LysoPI(20:4)	LPI	20:4	20:4	620.2962	C29 H49 O12 N0 P1	1.565	-H
X	LysoPI(20:4)	LPI	20:4	20:4	620.2962	C29 H49 O12 N0 P1	1.693	-H
*	PA(14:0,18:2)	PA	14:0/18:2	32:2	644.4417	C35 H65 O8 N0 P1	9.612	-H
X	PA(16:0,18:1)	PA	16:0/18:1	34:1	674.4887	C37 H71 O8 N0 P1	12.323	-H
*	PA(16:0,18:1)	PA	16:0/18:1	34:1	674.4887	C37 H71 O8 N0 P1	12.664	-H
X	PA(16:0,18:2)	PA	16:0/18:2	34:2	672.473	C37 H69 O8 N0 P1	11.134	-H
X	PA(16:0,20:4)	PA	16:0/20:4	36:4	696.473	C39 H69 O8 N0 P1	10.9	-H
*	PA(16:0,20:4)	PA	16:0/20:4	36:4	696.473	C39 H69 O8 N0 P1	11.054	-H
*	PA(16:0,22:6)	PA	16:0/22:6	38:6	720.473	C41 H69 O8 N0 P1	10.547	-H
*	PA(16:1,18:2)	PA	16:1/18:2	34:3	670.4574	C37 H67 O8 N0 P1	9.882	-H
*	PA(16:2,18:2)	PA	16:2/18:2	34:4	668.4417	C37 H65 O8 N0 P1	8.821	-H
*	PA(18:0,18:1)	PA	18:0/18:1	36:1	702.52	C39 H75 O8 N0 P1	13.96	-H
*	PA(18:0,18:2)	PA	18:0/18:2	36:2	700.5043	C39 H73 O8 N0 P1	12.747	-H
X	PA(18:0,20:4)	PA	18:0/20:4	38:4	724.5043	C41 H73 O8 N0 P1	11.753	-H
*	PA(18:1,18:1)	PA	18:1/18:1	36:2	700.5043	C39 H73 O8 N0 P1	12.485	-H
*	PA(18:1,18:2)	PA	18:1/18:2	36:3	698.4887	C39 H71 O8 N0 P1	11.246	-H
*	PA(18:1,20:4)	PA	18:1/20:4	38:5	722.4887	C41 H71 O8 N0 P1	11.037	-H
X	PA(18:2,18:2)	PA	18:2/18:2	36:4	696.473	C39 H69 O8 N0 P1	10.08	-H
*	PA(18:2,18:2)	PA	18:2/18:2	36:4	696.473	C39 H69 O8 N0 P1	10.492	-H
*	PA(18:2,20:4)	PA	18:2/20:4	38:6	720.473	C41 H69 O8 N0 P1	9.855	-H
*	PA(18:3,18:2)	PA	18:3/18:2	36:5	694.4574	C39 H67 O8 N0 P1	9.121	-H
X	PC(14:0/18:2)	PC	14:0/18:2	32:2	729.5309	C40 H76 O8 N1 P1	9.456	+H
X	PC(14:0/20:4)	PC	14:0/20:4	34:4	753.5309	C42 H76 O8 N1 P1	9.263	+H
*	PC(14:0/22:6)	PC	14:0/22:6	36:6	777.5309	C44 H76 O8 N1 P1	8.911	+H
*	PC(15:0/16:0)	PC	15:0/16:0	31:0	719.5465	C39 H78 O8 N1 P1	11.244	+H

*	PC(15:0/18:1)	PC	15:0/18:1	33:1	745.5622	C41 H80 O8 N1 P1	11.401	+H
X	PC(15:0/18:2)	PC	15:0/18:2	33:2	743.5465	C41 H78 O8 N1 P1	10.225	+H
X	PC(15:0/20:4)	PC	15:0/20:4	35:4	767.5465	C43 H78 O8 N1 P1	10.01	+H
*	PC(15:0/22:5)	PC	15:0/22:5	37:5	793.5622	C45 H80 O8 N1 P1	10.126	+H
X	PC(15:0/22:6)	PC	15:0/22:6	37:6	791.5465	C45 H78 O8 N1 P1	9.653	+H
*	PC(16:0/14:0)	PC	16:0/14:0	30:0	705.5309	C38 H76 O8 N1 P1	10.466	+H
X	PC(16:0/16:0)	PC	16:0/16:0	32:0	733.5622	C40 H80 O8 N1 P1	11.783	+H
X	PC(16:0/16:0)	PC	16:0/16:0	32:0	733.5622	C40 H80 O8 N1 P1	12.032	+H
X	PC(16:0/16:1)	PC	16:0/16:1	32:1	731.5465	C40 H78 O8 N1 P1	10.662	+H
*	PC(16:0/17:0)	PC	16:0/17:0	33:0	747.5778	C41 H82 O8 N1 P1	12.832	+H
*	PC(16:0/18:1)	PC	16:0/18:1	34:1	759.5778	C42 H82 O8 N1 P1	11.927	+HCOO
X	PC(16:0/18:1)	PC	16:0/18:1	34:1	759.5778	C42 H82 O8 N1 P1	12.16	+H
X	PC(16:0/18:2)	PC	16:0/18:2	34:2	757.5622	C42 H80 O8 N1 P1	10.992	+H
X	PC(16:0/18:3)	PC	16:0/18:3	34:3	755.5465	C42 H78 O8 N1 P1	10.233	+H
*	PC(16:0/18:3)	PC	16:0/18:3	34:3	755.5465	C42 H78 O8 N1 P1	11.995	+H
*	PC(16:0/18:3)	PC	16:0/18:3	34:3	755.5465	C42 H78 O8 N1 P1	12.254	+H
*	PC(16:0/20:2)	PC	16:0/20:2	36:2	785.5935	C44 H84 O8 N1 P1	12.319	+H
*	PC(16:0/20:3)	PC	16:0/20:3	36:3	783.5778	C44 H82 O8 N1 P1	11.417	+H
X	PC(16:0/20:3)	PC	16:0/20:3	36:3	783.5778	C44 H82 O8 N1 P1	11.589	+H
X	PC(16:0/20:4)	PC	16:0/20:4	36:4	781.5622	C44 H80 O8 N1 P1	10.789	+H
*	PC(16:0/20:5)	PC	16:0/20:5	36:5	779.5465	C44 H78 O8 N1 P1	9.841	+H
*	PC(16:0/20:5)	PC	16:0/20:5	36:5	779.5465	C44 H78 O8 N1 P1	9.966	+H
*	PC(16:0/22:5)	PC	16:0/22:5	38:5	807.5778	C46 H82 O8 N1 P1	10.881	+H
*	PC(16:0/22:6)	PC	16:0/22:6	38:6	805.5622	C46 H80 O8 N1 P1	10.161	+HCOO
X	PC(16:0/22:6)	PC	16:0/22:6	38:6	805.5622	C46 H80 O8 N1 P1	10.422	+H
X	PC(16:0e/16:0)	PC	16:0e/16:0	32:0e	719.5829	C40 H82 O7 N1 P1	13.04	+H
*	PC(16:0e/18:2)	PC	16:0e/18:2	34:2e	743.5829	C42 H82 O7 N1 P1	11.963	+H
*	PC(16:0e/20:4)	PC	16:0e/20:4	36:4e	767.5829	C44 H82 O7 N1 P1	11.752	+H
*	PC(16:0e/22:4)	PC	16:0e/22:4	38:4e	795.6142	C46 H86 O7 N1 P1	12.815	+H
*	PC(16:0p/16:0)	PC	16:0p/16:0	32:0p	717.5672	C40 H80 O7 N1 P1	12.806	+HCOO

*	PC(16:0p/18:2)	PC	16:0p/18:2	34:2p	741.5672	C42 H80 O7 N1 P1	11.74	+H
X	PC(16:0p/20:4)	PC	16:0p/20:4	36:4p	765.5672	C44 H80 O7 N1 P1	11.47	+H
*	PC(16:1/14:0)	PC	16:1/14:0	30:1	703.5152	C38 H74 O8 N1 P1	9.124	+H
*	PC(16:1/18:1)	PC	16:1/18:1	34:2	757.5622	C42 H80 O8 N1 P1	10.835	+H
X	PC(16:1/18:2)	PC	16:1/18:2	34:3	755.5465	C42 H78 O8 N1 P1	9.626	+H
X	PC(16:1/18:2)	PC	16:1/18:2	34:3	755.5465	C42 H78 O8 N1 P1	9.743	+H
*	PC(16:1/18:2)	PC	16:1/18:2	34:3	755.5465	C42 H78 O8 N1 P1	10.001	+H
X	PC(16:1/20:4)	PC	16:1/20:4	36:5	779.5465	C44 H78 O8 N1 P1	9.422	+H
*	PC(16:1/22:6)	PC	16:1/22:6	38:7	803.5465	C46 H78 O8 N1 P1	9.087	+H
X	PC(16:2/18:2)	PC	16:2/18:2	34:04	753.5309	C42 H76 O8 N1 P1	8.685	+H
X	PC(17:0/18:1)	PC	17:0/18:1	35:1	773.5935	C43 H84 O8 N1 P1	12.96	+H
*	PC(17:0/18:2)	PC	17:0/18:2	35:2	771.5778	C43 H82 O8 N1 P1	11.526	+H
X	PC(17:0/18:2)	PC	17:0/18:2	35:2	771.5778	C43 H82 O8 N1 P1	11.803	+H
*	PC(17:0/20:3)	PC	17:0/20:3	37:3	797.5935	C45 H84 O8 N1 P1	12.204	+H
X	PC(17:0/20:4)	PC	17:0/20:4	37:4	795.5778	C45 H82 O8 N1 P1	11.391	+H
X	PC(17:0/22:6)	PC	17:0/22:6	39:6	819.5778	C47 H82 O8 N1 P1	11.213	+H
X	PC(17:1/18:2)	PC	17:1/18:2	35:3	769.5622	C43 H80 O8 N1 P1	10.35	+H
*	PC(18:0/16:0)	PC	18:0/16:0	34:0	761.5935	C42 H84 O8 N1 P1	13.35	+H
*	PC(18:0/16:0)	PC	18:0/16:0	34:0	761.5935	C42 H84 O8 N1 P1	13.602	+H
X	PC(18:0/18:0)	PC	18:0/18:0	36:0	789.6248	C44 H88 O8 N1 P1	15.077	+H
X	PC(18:0/18:1)	PC	18:0/18:1	36:1	787.6091	C44 H86 O8 N1 P1	13.73	+H
X	PC(18:0/18:2)	PC	18:0/18:2	36:2	785.5935	C44 H84 O8 N1 P1	12.586	+H
*	PC(18:0/18:3)	PC	18:0/18:3	36:3	783.5778	C44 H82 O8 N1 P1	11.83	+H
*	PC(18:0/20:2)	PC	18:0/20:2	38:2	813.6248	C46 H88 O8 N1 P1	13.903	+H
*	PC(18:0/20:3)	PC	18:0/20:3	38:3	811.6091	C46 H86 O8 N1 P1	12.984	+H
X	PC(18:0/20:3)	PC	18:0/20:3	38:3	811.6091	C46 H86 O8 N1 P1	13.145	+H
*	PC(18:0/20:3)	PC	18:0/20:3	38:3	811.6091	C46 H86 O8 N1 P1	13.461	+HCOO
X	PC(18:0/20:4)	PC	18:0/20:4	38:4	809.5935	C46 H84 O8 N1 P1	11.851	+H
X	PC(18:0/20:4)	PC	18:0/20:4	38:4	809.5935	C46 H84 O8 N1 P1	12.124	+HCOO
X	PC(18:0/20:4)	PC	18:0/20:4	38:4	809.5935	C46 H84 O8 N1 P1	12.38	+H

X	PC(18:0/20:5)	PC	18:0/20:5	38:5	807.5778	C46 H82 O8 N1 P1	11.416	+H
X	PC(18:0/22:4)	PC	18:0/22:4	40:4	837.6248	C48 H88 O8 N1 P1	13.415	+H
X	PC(18:0/22:5)	PC	18:0/22:5	40:5	835.6091	C48 H86 O8 N1 P1	11.792	+H
X	PC(18:0/22:5)	PC	18:0/22:5	40:5	835.6091	C48 H86 O8 N1 P1	12.961	+H
X	PC(18:0/22:6)	PC	18:0/22:6	40:6	833.5935	C48 H84 O8 N1 P1	11.755	+H
X	PC(18:0/22:6)	PC	18:0/22:6	40:6	833.5935	C48 H84 O8 N1 P1	11.99	+H
X	PC(18:0e/16:0)	PC	18:0e/16:0	34:0e	747.6142	C42 H86 O7 N1 P1	14.668	+H
*	PC(18:0p/16:0)	PC	18:0p/16:0	34:0p	745.5985	C42 H84 O7 N1 P1	13.074	+HCOO
X	PC(18:1/18:1)	PC	18:1/18:1	36:2	785.5935	C44 H84 O8 N1 P1	12.36	+H
X	PC(18:1/18:2)	PC	18:1/18:2	36:3	783.5778	C44 H82 O8 N1 P1	11.082	+H
*	PC(18:1/20:3)	PC	18:1/20:3	38:4	809.5935	C46 H84 O8 N1 P1	11.482	+HCOO
X	PC(18:1/20:4)	PC	18:1/20:4	38:05	807.5778	C46 H82 O8 N1 P1	11.168	+H
X	PC(18:1/20:4)	PC	18:1/20:4	38:5	807.5778	C46 H82 O8 N1 P1	11.237	+H
*	PC(18:1/20:5)	PC	18:1/20:5	38:6	805.5622	C46 H80 O8 N1 P1	9.741	+H
*	PC(18:1/22:4)	PC	18:1/22:4	40:5	835.6091	C48 H86 O8 N1 P1	12.004	+HCOO
X	PC(18:1/22:5)	PC	18:1/22:5	40:6	833.5935	C48 H84 O8 N1 P1	11	+H
X	PC(18:1/22:6)	PC	18:1/22:6	40:7	831.5778	C48 H82 O8 N1 P1	10.505	+H
*	PC(18:2/13:0)	PC	18:2/13:0	31:2	715.5152	C39 H74 O8 N1 P1	11.399	+H
X	PC(18:2/18:2)	PC	18:2/18:2	36:4	781.5622	C44 H80 O8 N1 P1	9.953	+H
X	PC(18:2/20:4)	PC	18:2/20:4	38:6	805.5622	C46 H80 O8 N1 P1	9.734	+H
*	PC(18:2/22:6)	PC	18:2/22:6	40:8	829.5622	C48 H80 O8 N1 P1	9.424	+H
X	PC(18:3/18:2)	PC	18:3/18:2	36:5	779.5465	C44 H78 O8 N1 P1	9.046	+H
X	PC(19:0/18:2)	PC	19:0/18:2	37:2	799.6091	C45 H86 O8 N1 P1	13.385	+H
*	PC(19:0/20:4)	PC	19:0/20:4	39:4	823.6091	C47 H86 O8 N1 P1	12.828	+H
X	PC(19:0/20:4)	PC	19:0/20:4	39:4	823.6091	C47 H86 O8 N1 P1	13.165	+H
*	PC(19:0/22:6)	PC	19:0/22:6	41:6	847.6091	C49 H86 O8 N1 P1	12.794	+H
X	PC(20:0/18:2)	PC	20:0/18:2	38:2	813.6248	C46 H88 O8 N1 P1	14.157	+H
*	PC(20:0/20:4)	PC	20:0/20:4	40:4	837.6248	C48 H88 O8 N1 P1	13.677	+H
X	PC(20:0/20:4)	PC	20:0/20:4	40:4	837.6248	C48 H88 O8 N1 P1	13.953	+H
*	PC(20:1/18:1)	PC	20:1/18:1	38:2	813.6248	C46 H88 O8 N1 P1	13.671	+H

X	PC(20:1/22:6)	PC	20:1/22:6	42:7	859.6091	C50 H86 O8 N1 P1	11.958	+H
X	PC(20:2/18:2)	PC	20:2/18:2	38:4	809.5935	C46 H84 O8 N1 P1	11.343	+H
*	PC(20:2/22:5)	PC	20:2/22:5	42:7	859.6091	C50 H86 O8 N1 P1	11.211	+H
*	PC(20:2/22:6)	PC	20:2/22:6	42:8	857.5935	C50 H84 O8 N1 P1	10.74	+HCOO
X	PC(20:3/18:2)	PC	20:3/18:2	38:5	807.5778	C46 H82 O8 N1 P1	10.495	+H
*	PC(20:3/20:4)	PC	20:3/20:4	40:7	831.5778	C48 H82 O8 N1 P1	10.107	+H
X	PC(20:3/22:5)	PC	20:3/22:5	42:8	857.5935	C50 H84 O8 N1 P1	10.611	+H
*	PC(20:5/18:2)	PC	20:5/18:2	38:7	803.5465	C46 H78 O8 N1 P1	8.806	+H
X	PC(22:5/18:2)	PC	22:5/18:2	40:7	831.5778	C48 H82 O8 N1 P1	9.848	+H
*	PC(24:0/18:2)	PC	24:0/18:2	42:02	869.6874	C50 H96 O8 N1 P1	16.799	+H
X	PE(14:0/18:2)	PE	14:0/18:2	32:2	687.4839	C37 H70 O8 N1 P1	9.815	+H
*	PE(14:0/20:4)	PE	14:0/20:4	34:4	711.4839	C39 H70 O8 N1 P1	9.596	-H
X	PE(15:0/18:2)	PE	15:0/18:2	33:2	701.4996	C38 H72 O8 N1 P1	10.592	+H
*	PE(15:0/20:4)	PE	15:0/20:4	35:4	725.4996	C40 H72 O8 N1 P1	10.384	+H
X	PE(15:0/22:6)	PE	15:0/22:6	37:6	749.4996	C42 H72 O8 N1 P1	10.017	+H
X	PE(16:0/16:1)	PE	16:0/16:1	32:1	689.4996	C37 H72 O8 N1 P1	11.061	+H
*	PE(16:0/18:1)	PE	16:0/18:1	34:1	717.5309	C39 H76 O8 N1 P1	12.356	+H
X	PE(16:0/18:1)	PE	16:0/18:1	34:1	717.5309	C39 H76 O8 N1 P1	12.565	+H
X	PE(16:0/18:2)	PE	16:0/18:2	34:2	715.5152	C39 H74 O8 N1 P1	11.39	+H
*	PE(16:0/18:3)	PE	16:0/18:3	34:3	713.4996	C39 H72 O8 N1 P1	10.38	+H
X	PE(16:0/18:3)	PE	16:0/18:3	34:3	713.4996	C39 H72 O8 N1 P1	10.602	+H
X	PE(16:0/20:1)	PE	16:0/20:1	36:1	745.5622	C41 H80 O8 N1 P1	14.221	+H
*	PE(16:0/20:3)	PE	16:0/20:3	36:3	741.5309	C41 H76 O8 N1 P1	11.796	+H
X	PE(16:0/20:4)	PE	16:0/20:4	36:4	739.5152	C41 H74 O8 N1 P1	11.17	+H
*	PE(16:0/20:5)	PE	16:0/20:5	36:5	737.4996	C41 H72 O8 N1 P1	10.205	+H
*	PE(16:0/22:4)	PE	16:0/22:4	38:4	767.5465	C43 H78 O8 N1 P1	12.083	-H
X	PE(16:0/22:4)	PE	16:0/22:4	38:4	767.5465	C43 H78 O8 N1 P1	12.242	+H
X	PE(16:0/22:5)	PE	16:0/22:5	38:5	765.5309	C43 H76 O8 N1 P1	11.891	+H
X	PE(16:0/22:6)	PE	16:0/22:6	38:6	763.5152	C43 H74 O8 N1 P1	10.543	+H
X	PE(16:0/22:6)	PE	16:0/22:6	38:6	763.5152	C43 H74 O8 N1 P1	10.815	+H

*	PE(16:0e/20:4)	PE	16:0e/20:4	36:4e	725.5359	C41 H76 O7 N1 P1	12.181	-H
X	PE(16:0p/18:2)	PE	16:0p/18:2	34:2p	699.5203	C39 H74 O7 N1 P1	12.166	+H
*	PE(16:0p/20:3)	PE	16:0p/20:3	36:3p	725.5359	C41 H76 O7 N1 P1	12.565	+H
*	PE(16:0p/20:4)	PE	16:0p/20:4	36:4p	723.5203	C41 H74 O7 N1 P1	11.916	+H
X	PE(16:0p/20:5)	PE	16:0p/20:5	36:5p	721.5046	C41 H72 O7 N1 P1	10.927	+H
X	PE(16:0p/22:4)	PE	16:0p/22:4	38:4p	751.5516	C43 H78 O7 N1 P1	13.018	+H
*	PE(16:0p/22:5)	PE	16:0p/22:5	38:5p	749.5359	C43 H76 O7 N1 P1	12.019	-H
*	PE(16:0p/22:5)	PE	16:0p/22:5	38:5p	749.5359	C43 H76 O7 N1 P1	12.549	+H
*	PE(16:0p/22:6)	PE	16:0p/22:6	38:6p	747.5203	C43 H74 O7 N1 P1	11.522	+H
X	PE(16:1/18:2)	PE	16:1/18:2	34:3	713.4996	C39 H72 O8 N1 P1	9.985	+H
X	PE(16:1/20:4)	PE	16:1/20:4	36:5	737.4996	C41 H72 O8 N1 P1	9.784	+H
*	PE(16:1/22:6)	PE	16:1/22:6	38:7	761.4996	C43 H72 O8 N1 P1	9.433	+H
*	PE(16:1/22:6)	PE	16:1/22:6	38:07	761.4996	C43 H72 O8 N1 P1	9.569	+H
X	PE(17:0/18:2)	PE	17:0/18:2	35:2	729.5309	C40 H76 O8 N1 P1	12.195	+H
*	PE(17:0/20:3)	PE	17:0/20:3	37:3	755.5465	C42 H78 O8 N1 P1	12.582	-H
X	PE(17:0/20:4)	PE	17:0/20:4	37:4	753.5309	C42 H76 O8 N1 P1	11.981	+H
X	PE(17:0/20:4)	PE	17:0/20:4	37:4	753.5309	C42 H76 O8 N1 P1	11.79	+H
*	PE(17:0/22:6)	PE	17:0/22:6	39:6	777.5309	C44 H76 O8 N1 P1	11.314	+H
X	PE(17:0/22:6)	PE	17:0/22:6	39:6	777.5309	C44 H76 O8 N1 P1	11.611	+H
X	PE(17:1/20:4)	PE	17:1/20:4	37:5	751.5152	C42 H74 O8 N1 P1	10.535	+H
*	PE(17:1/22:6)	PE	17:1/22:6	39:7	775.5152	C44 H74 O8 N1 P1	10.168	+H
X	PE(18:0/16:0)	PE	18:0/16:0	34:0	719.5465	C39 H78 O8 N1 P1	12.11	-H
*	PE(18:0/18:1)	PE	18:0/18:1	36:1	745.5622	C41 H80 O8 N1 P1	14.122	+H
X	PE(18:0/18:2)	PE	18:0/18:2	36:2	743.5465	C41 H78 O8 N1 P1	12.999	+H
X	PE(18:0/18:3)	PE	18:0/18:3	36:3	741.5309	C41 H76 O8 N1 P1	11.985	+H
*	PE(18:0/18:3)	PE	18:0/18:3	36:3	741.5309	C41 H76 O8 N1 P1	12.224	+H
*	PE(18:0/20:1)	PE	18:0/20:1	38:1	773.5935	C43 H84 O8 N1 P1	15.518	+H
X	PE(18:0/20:2)	PE	18:0/20:2	38:2	771.5778	C43 H82 O8 N1 P1	14.297	+H
*	PE(18:0/20:3)	PE	18:0/20:3	38:03	769.5622	C43 H80 O8 N1 P1	13.374	+H
X	PE(18:0/20:3)	PE	18:0/20:3	38:3	769.5622	C43 H80 O8 N1 P1	13.451	+H

X	PE(18:0/20:3)	PE	18:0/20:3	38:3	769.5622	C43 H80 O8 N1 P1	13.864	+H
*	PE(18:0/20:4)	PE	18:0/20:4	38:4	767.5465	C43 H78 O8 N1 P1	12.513	+H
X	PE(18:0/20:4)	PE	18:0/20:4	38:4	767.5465	C43 H78 O8 N1 P1	12.799	+H
*	PE(18:0/20:5)	PE	18:0/20:5	38:5	765.5309	C43 H76 O8 N1 P1	9.272	+H
*	PE(18:0/20:5)	PE	18:0/20:5	38:5	765.5309	C43 H76 O8 N1 P1	9.559	+H
*	PE(18:0/20:5)	PE	18:0/20:5	38:5	765.5309	C43 H76 O8 N1 P1	9.927	+H
*	PE(18:0/20:5)	PE	18:0/20:5	38:5	765.5309	C43 H76 O8 N1 P1	11.807	+H
*	PE(18:0/20:5)	PE	18:0/20:5	38:5	765.5309	C43 H76 O8 N1 P1	11.952	-H
*	PE(18:0/22:4)	PE	18:0/22:4	40:4	795.5778	C45 H82 O8 N1 P1	13.667	+H
X	PE(18:0/22:4)	PE	18:0/22:4	40:4	795.5778	C45 H82 O8 N1 P1	13.809	-H
X	PE(18:0/22:5)	PE	18:0/22:5	40:5	793.5622	C45 H80 O8 N1 P1	12.856	+H
X	PE(18:0/22:5)	PE	18:0/22:5	40:5	793.5622	C45 H80 O8 N1 P1	13.366	+H
*	PE(18:0/22:6)	PE	18:0/22:6	40:6	791.5465	C45 H78 O8 N1 P1	12.142	+H
X	PE(18:0/22:6)	PE	18:0/22:6	40:6	791.5465	C45 H78 O8 N1 P1	12.274	-H
X	PE(18:0/22:6)	PE	18:0/22:6	40:6	791.5465	C45 H78 O8 N1 P1	12.407	+H
*	PE(18:0e/20:4)	PE	18:0e/20:4	38:4e	753.5672	C43 H80 O7 N1 P1	13.81	+H
*	PE(18:0e/22:4)	PE	18:0e/22:4	40:4e	781.5985	C45 H84 O7 N1 P1	14.77	-H
*	PE(18:0e/22:5)	PE	18:0e/22:5	40:5e	779.5829	C45 H82 O7 N1 P1	13.314	+H
*	PE(18:0e/22:5)	PE	18:0e/22:5	40:5e	779.5829	C45 H82 O7 N1 P1	13.845	-H
*	PE(18:0p/18:1)	PE	18:0p/18:1	36:1p	729.5672	C41 H80 O7 N1 P1	14.898	+H
*	PE(18:0p/18:2)	PE	18:0p/18:2	36:2p	727.5516	C41 H78 O7 N1 P1	13.771	+H
X	PE(18:0p/20:3)	PE	18:0p/20:3	38:3p	753.5672	C43 H80 O7 N1 P1	14.143	+H
*	PE(18:0p/20:4)	PE	18:0p/20:4	38:4p	751.5516	C43 H78 O7 N1 P1	13.266	+H
X	PE(18:0p/20:4)	PE	18:0p/20:4	38:4p	751.5516	C43 H78 O7 N1 P1	13.528	+H
*	PE(18:0p/22:4)	PE	18:0p/22:4	40:4p	779.5829	C45 H82 O7 N1 P1	13.302	-H
*	PE(18:0p/22:4)	PE	18:0p/22:4	40:4p	779.5829	C45 H82 O7 N1 P1	14.538	+H
*	PE(18:0p/22:5)	PE	18:0p/22:5	40:5p	777.5672	C45 H80 O7 N1 P1	13.405	+H
X	PE(18:0p/22:5)	PE	18:0p/22:5	40:5p	777.5672	C45 H80 O7 N1 P1	13.592	+H
*	PE(18:0p/22:5)	PE	18:0p/22:5	40:5p	777.5672	C45 H80 O7 N1 P1	14.1	+H
X	PE(18:0p/22:6)	PE	18:0p/22:6	40:6p	775.5516	C45 H78 O7 N1 P1	13.123	+H

X	PE(18:1/18:1)	PE	18:1/18:1	36:2	743.5465	C41 H78 O8 N1 P1	12.726	+H
X	PE(18:1/18:2)	PE	18:1/18:2	36:3	741.5309	C41 H76 O8 N1 P1	11.5	+H
*	PE(18:1/20:3)	PE	18:1/20:3	38:4	767.5465	C43 H78 O8 N1 P1	11.911	+H
*	PE(18:1/20:4)	PE	18:1/20:4	38:5	765.5309	C43 H76 O8 N1 P1	11.126	+H
X	PE(18:1/20:4)	PE	18:1/20:4	38:5	765.5309	C43 H76 O8 N1 P1	11.273	+H
*	PE(18:1/20:4)	PE	18:1/20:4	38:5	765.5309	C43 H76 O8 N1 P1	11.545	-H
*	PE(18:1/20:5)	PE	18:1/20:5	38:6	763.5152	C43 H74 O8 N1 P1	10.35	+H
X	PE(18:1/22:5)	PE	18:1/22:5	40:6	791.5465	C45 H78 O8 N1 P1	11.33	+H
X	PE(18:1/22:6)	PE	18:1/22:6	40:7	789.5309	C45 H76 O8 N1 P1	10.898	+H
*	PE(18:1/22:6)	PE	18:1/22:6	40:7	789.5309	C45 H76 O8 N1 P1	11.197	-H
X	PE(18:1p/16:0)	PE	18:1p/16:0	34:1p	701.5359	C39 H76 O7 N1 P1	13.362	-H
*	PE(18:1p/18:1)	PE	18:1p/18:1	36:2p	727.5516	C41 H78 O7 N1 P1	13.501	+H
X	PE(18:1p/18:2)	PE	18:1p/18:2	36:3p	725.5359	C41 H76 O7 N1 P1	12.222	+H
X	PE(18:1p/20:4)	PE	18:1p/20:4	38:5p	749.5359	C43 H76 O7 N1 P1	11.99	+H
*	PE(18:1p/20:5)	PE	18:1p/20:5	38:6p	747.5203	C43 H74 O7 N1 P1	11.012	+H
X	PE(18:1p/22:4)	PE	18:1p/22:4	40:5p	777.5672	C45 H80 O7 N1 P1	13.094	+H
*	PE(18:1p/22:5)	PE	18:1p/22:5	40:6p	775.5516	C45 H78 O7 N1 P1	12.115	+H
*	PE(18:1p/22:5)	PE	18:1p/22:5	40:6p	775.5516	C45 H78 O7 N1 P1	12.247	+H
*	PE(18:1p/22:5)	PE	18:1p/22:5	40:6p	775.5516	C45 H78 O7 N1 P1	12.582	-H
*	PE(18:1p/22:6)	PE	18:1p/22:6	40:7p	773.5359	C45 H76 O7 N1 P1	11.617	+H
X	PE(18:2/18:2)	PE	18:2/18:2	36:4	739.5152	C41 H74 O8 N1 P1	10.309	+H
*	PE(18:2/18:2)	PE	18:2/18:2	36:4	739.5152	C41 H74 O8 N1 P1	10.661	+H
*	PE(18:2/20:4)	PE	18:2/20:4	38:6	763.5152	C43 H74 O8 N1 P1	10.092	+H
X	PE(18:2/22:6)	PE	18:2/22:6	40:8	787.5152	C45 H74 O8 N1 P1	9.82	+H
*	PE(18:2p/20:4)	PE	18:2p/20:4	38:6p	747.5203	C43 H74 O7 N1 P1	10.819	+H
*	PE(18:2p/22:4)	PE	18:2p/22:4	40:6p	775.5516	C45 H78 O7 N1 P1	11.915	+H
*	PE(18:2p/22:5)	PE	18:2p/22:5	40:7p	773.5359	C45 H76 O7 N1 P1	10.92	+H
*	PE(18:2p/22:6)	PE	18:2p/22:6	40:8p	771.5203	C45 H74 O7 N1 P1	10.43	+H
X	PE(18:3/18:2)	PE	18:3/18:2	36:5	737.4996	C41 H72 O8 N1 P1	9.319	-H
X	PE(18:3/20:4)	PE	18:3/20:4	38:7	761.4996	C43 H72 O8 N1 P1	9.13	+H

X	PE(19:0/18:2)	PE	19:0/18:2	37:2	757.5622	C42 H80 O8 N1 P1	13.44	+H
*	PE(19:0/18:2)	PE	19:0/18:2	37:2	757.5622	C42 H80 O8 N1 P1	13.778	+H
X	PE(19:0/20:4)	PE	19:0/20:4	39:4	781.5622	C44 H80 O8 N1 P1	13.234	+H
*	PE(19:0/20:4)	PE	19:0/20:4	39:4	781.5622	C44 H80 O8 N1 P1	13.56	+H
*	PE(19:0/22:5)	PE	19:0/22:5	41:5	807.5778	C46 H82 O8 N1 P1	13.63	+H
*	PE(19:0/22:6)	PE	19:0/22:6	41:6	805.5622	C46 H80 O8 N1 P1	12.879	-H
X	PE(19:0/22:6)	PE	19:0/22:6	41:6	805.5622	C46 H80 O8 N1 P1	13.197	+H
*	PE(20:0/18:2)	PE	20:0/18:2	38:2	771.5778	C43 H82 O8 N1 P1	14.533	+H
*	PE(20:0/20:4)	PE	20:0/20:4	40:4	795.5778	C45 H82 O8 N1 P1	14.083	+H
X	PE(20:0/20:4)	PE	20:0/20:4	40:4	795.5778	C45 H82 O8 N1 P1	14.339	+H
*	PE(20:0/22:5)	PE	20:0/22:5	42:5	821.5935	C47 H84 O8 N1 P1	14.394	+H
X	PE(20:0/22:6)	PE	20:0/22:6	42:6	819.5778	C47 H82 O8 N1 P1	12.061	-H
*	PE(20:0e/20:4)	PE	20:0e/20:4	40:4e	781.5985	C45 H84 O7 N1 P1	15.304	-H
*	PE(20:0e/22:5)	PE	20:0e/22:5	42:5e	807.6142	C47 H86 O7 N1 P1	15.377	-H
*	PE(20:0e/22:6)	PE	20:0e/22:6	42:6e	805.5985	C47 H84 O7 N1 P1	14.953	+H
X	PE(20:0p/18:2)	PE	20:0p/18:2	38:2p	755.5829	C43 H82 O7 N1 P1	15.35	+H
*	PE(20:0p/20:4)	PE	20:0p/20:4	40:4p	779.5829	C45 H82 O7 N1 P1	14.803	+H
X	PE(20:0p/20:4)	PE	20:0p/20:4	40:4p	779.5829	C45 H82 O7 N1 P1	15.063	+H
*	PE(20:0p/22:4)	PE	20:0p/22:4	42:4p	807.6142	C47 H86 O7 N1 P1	15.97	+H
X	PE(20:0p/22:6)	PE	20:0p/22:6	42:6p	803.5829	C47 H82 O7 N1 P1	14.678	+H
*	PE(20:1/22:5)	PE	20:1/22:5	42:6	819.5778	C47 H82 O8 N1 P1	12.824	-H
X	PE(20:1/22:6)	PE	20:1/22:6	42:7	817.5622	C47 H80 O8 N1 P1	12.369	+H
*	PE(20:2/18:2)	PE	20:2/18:2	38:4	767.5465	C43 H78 O8 N1 P1	11.746	+H
*	PE(20:2/20:4)	PE	20:2/20:4	40:6	791.5465	C45 H78 O8 N1 P1	11.52	+H
*	PE(20:2/22:5)	PE	20:2/22:5	42:7	817.5622	C47 H80 O8 N1 P1	11.597	+H
X	PE(20:2/22:6)	PE	20:2/22:6	42:8	815.5465	C47 H78 O8 N1 P1	11.145	+H
*	PE(20:3/20:4)	PE	20:3/20:4	40:7	789.5309	C45 H76 O8 N1 P1	10.481	+H
*	PE(20:4/20:4)	PE	20:4/20:4	40:8	787.5152	C45 H74 O8 N1 P1	9.762	+H
*	PE(22:0/20:4)	PE	22:0/20:4	42:4	823.6091	C47 H86 O8 N1 P1	15.794	+H
*	PE(22:5/18:2)	PE	22:5/18:2	40:7	789.5309	C45 H76 O8 N1 P1	10.198	+H

*	PE(24:0/18:2)	PE	24:0/18:2	42:2	827.6404	C47 H90 O8 N1 P1	17.074	+H
*	PE(24:0/20:4)	PE	24:0/20:4	44:4	851.6404	C49 H90 O8 N1 P1	16.93	+H
X	PG(16:0,18:1)	PG	16:0/18:1	34:1	748.5254	C40 H77 O10 N0 P1	11.567	-H
X	PG(16:0,18:2)	PG	16:0/18:2	34:2	746.5098	C40 H75 O10 N0 P1	10.516	-H
*	PG(16:0,20:2)	PG	16:0/20:2	36:2	774.5411	C42 H79 O10 N0 P1	11.837	-H
*	PG(16:0,20:3)	PG	16:0/20:3	36:3	772.5254	C42 H77 O10 N0 P1	10.851	-H
*	PG(18:0,18:2)	PG	18:0/18:2	36:2	774.5411	C42 H79 O10 N0 P1	12.057	-H
X	PG(18:1,18:1)	PG	18:1/18:1	36:2	774.5411	C42 H79 O10 N0 P1	10.8	-H
X	PG(18:1,18:2)	PG	18:1/18:2	36:3	772.5254	C42 H77 O10 N0 P1	9.72	-H
*	PG(18:1,18:2)	PG	18:1/18:2	36:3	772.5254	C42 H77 O10 N0 P1	10.557	-H
X	PG(18:2,18:2)	PG	18:2/18:2	36:4	770.5098	C42 H75 O10 N0 P1	8.695	-H
*	PG(18:2,18:2)	PG	18:2/18:2	36:4	770.5098	C42 H75 O10 N0 P1	9.509	-H
X	PG(18:2,22:6)	PG	18:2/22:6	40:8	818.5098	C46 H75 O10 N0 P1	8.238	-H
*	PG(22:6,22:6)	PG	22:6/22:6	44:12	866.5098	C50 H75 O10 N0 P1	7.79	-H
*	PI(16:0,16:0)	PI	16:0/16:0	32:0	810.5258	C41 H79 O13 N0 P1	11.14	-H
X	PI(16:0,18:2)	PI	16:0/18:2	34:2	834.5258	C43 H79 O13 N0 P1	10.159	-H
*	PI(16:0,20:3)	PI	16:0/20:3	36:3	860.5415	C45 H81 O13 N0 P1	10.563	-H
X	PI(16:0,20:4)	PI	16:0/20:4	36:4	858.5258	C45 H79 O13 N0 P1	9.987	-H
*	PI(16:0,22:4)	PI	16:0/22:4	38:04	886.5571	C47 H83 O13 N0 P1	11.008	-H
*	PI(16:0,22:5)	PI	16:0/22:5	38:5	884.5415	C47 H81 O13 N0 P1	10.104	-H
X	PI(16:0,22:6)	PI	16:0/22:6	38:6	882.5258	C47 H79 O13 N0 P1	9.647	-H
*	PI(17:0,18:2)	PI	17:0/18:2	35:2	848.5415	C44 H81 O13 N0 P1	10.938	-H
X	PI(17:0,20:3)	PI	17:0/20:3	37:3	874.5571	C46 H83 O13 N0 P1	11.318	-H
X	PI(17:0,20:4)	PI	17:0/20:4	37:4	872.5415	C46 H81 O13 N0 P1	10.768	-H
*	PI(18:0,16:0)	PI	18:0/16:0	34:0	838.5571	C43 H83 O13 N0 P1	12.694	-H
*	PI(18:0,18:0)	PI	18:0/18:0	36:0	866.5884	C45 H87 O13 N0 P1	14.165	-H
X	PI(18:0,18:2)	PI	18:0/18:2	36:2	862.5571	C45 H83 O13 N0 P1	11.701	-H
*	PI(18:0,20:1)	PI	18:0/20:1	38:1	892.6041	C47 H89 O13 N0 P1	14.126	-H
X	PI(18:0,20:2)	PI	18:0/20:2	38:2	890.5884	C47 H87 O13 N0 P1	13.019	-H
*	PI(18:0,20:3)	PI	18:0/20:3	38:3	888.5728	C47 H85 O13 N0 P1	11.98	-H

X	PI(18:0,20:3)	PI	18:0/20:3	38:3	888.5728	C47 H85 O13 N0 P1	12.112	-H
X	PI(18:0,20:3)	PI	18:0/20:3	38:3	888.5728	C47 H85 O13 N0 P1	12.285	-H
*	PI(18:0,20:3)	PI	18:0/20:3	38:3	888.5728	C47 H85 O13 N0 P1	12.615	-H
X	PI(18:0,20:4)	PI	18:0/20:4	38:4	886.5571	C47 H83 O13 N0 P1	11.512	-H
X	PI(18:0,20:5)	PI	18:0/20:5	38:5	884.5415	C47 H81 O13 N0 P1	10.611	-H
X	PI(18:0,20:5)	PI	18:0/20:5	38:5	884.5415	C47 H81 O13 N0 P1	11.181	-H
*	PI(18:0,20:5)	PI	18:0/20:5	38:5	884.5415	C47 H81 O13 N0 P1	11.526	-H
X	PI(18:0,22:4)	PI	18:0/22:4	40:4	914.5884	C49 H87 O13 N0 P1	12.55	-H
*	PI(18:0,22:5)	PI	18:0/22:5	40:5	912.5728	C49 H85 O13 N0 P1	11.439	-H
X	PI(18:0,22:5)	PI	18:0/22:5	40:5	912.5728	C49 H85 O13 N0 P1	11.591	-H
*	PI(18:0,22:5)	PI	18:0/22:5	40:5	912.5728	C49 H85 O13 N0 P1	11.719	-H
X	PI(18:0,22:5)	PI	18:0/22:5	40:5	912.5728	C49 H85 O13 N0 P1	12.127	-H
*	PI(18:0,22:6)	PI	18:0/22:6	40:6	910.5571	C49 H83 O13 N0 P1	11.006	-H
X	PI(18:0,22:6)	PI	18:0/22:6	40:6	910.5571	C49 H83 O13 N0 P1	11.182	-H
X	PI(18:1,18:2)	PI	18:1/18:2	36:3	860.5415	C45 H81 O13 N0 P1	10.279	-H
X	PI(18:1,20:4)	PI	18:1/20:4	38:5	884.5415	C47 H81 O13 N0 P1	10.066	-H
*	PI(18:1,20:4)	PI	18:1/20:4	38:5	884.5415	C47 H81 O13 N0 P1	10.34	-H
*	PI(18:1,22:5)	PI	18:1/22:5	40:6	910.5571	C49 H83 O13 N0 P1	10.89	+NH4
*	PI(18:2,20:4)	PI	18:2/20:4	38:6	882.5258	C47 H79 O13 N0 P1	9.005	-H
*	PI(19:0,20:4)	PI	19:0/20:4	39:4	900.5728	C48 H85 O13 N0 P1	12.33	-H
*	PI(20:0,20:4)	PI	20:0/20:4	40:4	914.5884	C49 H87 O13 N0 P1	13.096	-H
*	PI(20:1,22:5)	PI	20:1/22:5	42:6	938.5884	C51 H87 O13 N0 P1	12.458	+NH4
*	PS(10:0e,8:0)	PS	10:0e/8:0	18:0e	525.3067	C24 H48 O9 N1 P1	3.282	+H
*	PS(16:0,18:1)	PS	16:0/18:1	34:1	761.5207	C40 H76 O10 N1 P1	11.464	-H
X	PS(16:0,18:2)	PS	16:0/18:2	34:2	759.505	C40 H74 O10 N1 P1	10.305	+H
X	PS(16:0,20:4)	PS	16:0/20:4	36:4	783.505	C42 H74 O10 N1 P1	10.134	+H
X	PS(16:0,22:6)	PS	16:0/22:6	38:6	807.505	C44 H74 O10 N1 P1	9.78	+H
X	PS(17:0,20:4)	PS	17:0/20:4	37:4	797.5207	C43 H76 O10 N1 P1	10.902	+H
X	PS(17:0,22:6)	PS	17:0/22:6	39:6	821.5207	C45 H76 O10 N1 P1	10.567	+H
X	PS(18:0,18:1)	PS	18:0/18:1	36:1	789.552	C42 H80 O10 N1 P1	13.023	-H

X	PS(18:0,18:2)	PS	18:0/18:2	36:2	787.5363	C42 H78 O10 N1 P1	11.879	+H
*	PS(18:0,20:2)	PS	18:0/20:2	38:2	815.5676	C44 H82 O10 N1 P1	13.226	-H
*	PS(18:0,20:3)	PS	18:0/20:3	38:3	813.552	C44 H80 O10 N1 P1	12.291	+H
*	PS(18:0,20:3)	PS	18:0/20:3	38:3	813.552	C44 H80 O10 N1 P1	12.475	-H
*	PS(18:0,20:4)	PS	18:0/20:4	38:4	811.5363	C44 H78 O10 N1 P1	11.435	+H
X	PS(18:0,20:4)	PS	18:0/20:4	38:4	811.5363	C44 H78 O10 N1 P1	11.674	+H
X	PS(18:0,20:5)	PS	18:0/20:5	38:5	809.5207	C44 H76 O10 N1 P1	10.753	-H
*	PS(18:0,20:5)	PS	18:0/20:5	38:5	809.5207	C44 H76 O10 N1 P1	11.834	-H
X	PS(18:0,22:4)	PS	18:0/22:4	40:4	839.5676	C46 H82 O10 N1 P1	12.713	+H
*	PS(18:0,22:4)	PS	18:0/22:4	40:4	839.5676	C46 H82 O10 N1 P1	13.007	+H
X	PS(18:0,22:5)	PS	18:0/22:5	40:5	837.552	C46 H80 O10 N1 P1	11.764	+H
*	PS(18:0,22:5)	PS	18:0/22:5	40:5	837.552	C46 H80 O10 N1 P1	12.297	-H
*	PS(18:0,22:6)	PS	18:0/22:6	40:6	835.5363	C46 H78 O10 N1 P1	11.085	+H
X	PS(18:0,22:6)	PS	18:0/22:6	40:6	835.5363	C46 H78 O10 N1 P1	11.324	+H
*	PS(18:1,18:1)	PS	18:1/18:1	36:2	787.5363	C42 H78 O10 N1 P1	11.623	-H
*	PS(18:1,18:2)	PS	18:1/18:2	36:3	785.5207	C42 H76 O10 N1 P1	10.445	-H
X	PS(18:1,20:4)	PS	18:1/20:4	38:5	809.5207	C44 H76 O10 N1 P1	10.22	+H
*	PS(18:1,22:6)	PS	18:1/22:6	40:7	833.5207	C46 H76 O10 N1 P1	9.865	+H
X	PS(18:2,18:2)	PS	18:2/18:2	36:4	783.505	C42 H74 O10 N1 P1	11.396	-H
X	PS(18:2,20:4)	PS	18:2/20:4	38:6	807.505	C44 H74 O10 N1 P1	9.086	+H
*	PS(19:0,20:4)	PS	19:0/20:4	39:4	825.552	C45 H80 O10 N1 P1	12.176	+H
X	PS(19:0,20:4)	PS	19:0/20:4	39:4	825.552	C45 H80 O10 N1 P1	12.502	+H
*	PS(20:0,20:4)	PS	20:0/20:4	40:4	839.5676	C46 H82 O10 N1 P1	13.277	+H
*	PS(20:3,20:4)	PS	20:3/20:4	40:7	833.5207	C46 H76 O10 N1 P1	11.653	-H
X	PS(20:4,20:4)	PS	20:4/20:4	40:8	831.505	C46 H74 O10 N1 P1	8.871	+H
*	PS(20:4,22:6)	PS	20:4/22:6	42:10	855.505	C48 H74 O10 N1 P1	8.545	+H
X	SM(d18:1/16:0)	SM	d18:1/16:0	d34:1	702.5676	C39 H79 O6 N2 P1	10.461	+H
X	SM(d18:1/16:0)	SM	d18:1/16:0	d34:1	702.5676	C39 H79 O6 N2 P1	10.461	+H
X	SM(d18:1/18:0)	SM	d18:1/18:0	d36:1	730.5989	C41 H83 O6 N2 P1	12.138	+H
X	SM(d18:1/18:0)	SM	d18:1/18:0	d36:1	730.5989	C41 H83 O6 N2 P1	12.138	+H

X	SM(d18:1/18:1)	SM	d18:1/18:1	d36:2	728.5832	C41 H81 O6 N2 P1	10.767	+H
X	SM(d18:1/18:1)	SM	d18:1/18:1	d36:2	728.5832	C41 H81 O6 N2 P1	10.767	+H
X	SM(d18:1/24:1)	SM	d18:1/24:1	d42:2	812.6771	C47 H93 O6 N2 P1	15.145	+H
X	SM(d18:1/26:1)	SM	d18:1/26:1	d44:2	840.7084	C49 H97 O6 N2 P1	16.468	+H
X	SM(d32:1)	SM	d32:1	d32:1	674.5363	C37 H75 O6 N2 P1	8.814	+H
X	SM(d33:1)	SM	d33:1	d33:1	688.5519	C38 H77 O6 N2 P1	9.597	+H
X	SM(d34:0)	SM	d34:0	d34:0	704.5832	C39 H81 O6 N2 P1	11.019	+H
X	SM(d34:1)	SM	d34:1	d34:1	702.5676	C39 H79 O6 N2 P1	10.384	+H
*	SM(d34:1)	SM	d34:1	d34:1	702.5676	C39 H79 O6 N2 P1	10.153	+H
X	SM(d34:1)	SM	d34:1	d34:1	702.5676	C39 H79 O6 N2 P1	11.337	+H
X	SM(d34:2)	SM	d34:2	d34:2	700.5519	C39 H77 O6 N2 P1	9.07	+H
X	SM(d34:2)	SM	d34:2	d34:2	700.5519	C39 H77 O6 N2 P1	9.281	+H
X	SM(d35:1)	SM	d35:1	d35:1	716.5832	C40 H81 O6 N2 P1	11.225	+H
*	SM(d35:1)	SM	d35:1	d35:1	716.5832	C40 H81 O6 N2 P1	10.965	+H
*	SM(d35:2)	SM	d35:2	d35:2	714.5676	C40 H79 O6 N2 P1	9.888	+H
*	SM(d35:4)	SM	d35:4	d35:4	710.5363	C40 H75 O6 N2 P1	9.6	+H
X	SM(d36:1)	SM	d36:1	d36:1	730.5989	C41 H83 O6 N2 P1	12.047	+H
X	SM(d36:1)	SM	d36:1	d36:1	730.5989	C41 H83 O6 N2 P1	11.79	+H
X	SM(d36:2)	SM	d36:2	d36:2	728.5832	C41 H81 O6 N2 P1	10.702	+H
X	SM(d36:2)	SM	d36:2	d36:2	728.5832	C41 H81 O6 N2 P1	10.924	+H
*	SM(d36:3)	SM	d36:3	d36:3	726.5676	C41 H79 O6 N2 P1	9.457	+H
*	SM(d36:4)	SM	d36:4	d36:4	724.5519	C41 H77 O6 N2 P1	10.391	+H
*	SM(d36:5)	SM	d36:5	d36:5	722.5363	C41 H75 O6 N2 P1	9.071	+H
X	SM(d37:1)	SM	d37:1	d37:1	744.6145	C42 H85 O6 N2 P1	12.878	+H
*	SM(d37:4)	SM	d37:4	d37:4	738.5676	C42 H79 O6 N2 P1	11.205	+H
X	SM(d38:1)	SM	d38:1	d38:1	758.6302	C43 H87 O6 N2 P1	13.681	+H
X	SM(d38:1)	SM	d38:1	d38:1	758.6302	C43 H87 O6 N2 P1	13.418	+H
*	SM(d38:2)	SM	d38:2	d38:2	756.6145	C43 H85 O6 N2 P1	12.395	+H
*	SM(d38:3)	SM	d38:3	d38:3	754.5989	C43 H83 O6 N2 P1	10.838	+H
X	SM(d39:1)	SM	d39:1	d39:1	772.6458	C44 H89 O6 N2 P1	14.492	+H

*	SM(d39:1)	SM	d39:1	d39:1	772.6458	C44 H89 O6 N2 P1	14.144	+H
*	SM(d39:2)	SM	d39:2	d39:2	770.6302	C44 H87 O6 N2 P1	12.857	+H
*	SM(d39:2)	SM	d39:2	d39:2	770.6302	C44 H87 O6 N2 P1	13.216	+H
X	SM(d40:1)	SM	d40:1	d40:1	786.6615	C45 H91 O6 N2 P1	15.237	+H
X	SM(d40:1)	SM	d40:1	d40:1	786.6615	C45 H91 O6 N2 P1	14.989	+H
X	SM(d40:2)	SM	d40:2	d40:2	784.6458	C45 H89 O6 N2 P1	13.59	+H
X	SM(d40:2)	SM	d40:2	d40:2	784.6458	C45 H89 O6 N2 P1	14.027	+H
*	SM(d40:3)	SM	d40:3	d40:3	782.6302	C45 H87 O6 N2 P1	12.313	+H
*	SM(d40:4)	SM	d40:4	d40:4	780.6145	C45 H85 O6 N2 P1	13.675	+H
*	SM(d40:4)	SM	d40:4	d40:4	780.6145	C45 H85 O6 N2 P1	11.227	+H
X	SM(d41:1)	SM	d41:1	d41:1	800.6771	C46 H93 O6 N2 P1	15.949	+H
X	SM(d41:1)	SM	d41:1	d41:1	800.6771	C46 H93 O6 N2 P1	15.706	+H
X	SM(d41:2)	SM	d41:2	d41:2	798.6615	C46 H91 O6 N2 P1	14.34	+H
X	SM(d41:2)	SM	d41:2	d41:2	798.6615	C46 H91 O6 N2 P1	14.809	+H
*	SM(d41:3)	SM	d41:3	d41:3	796.6458	C46 H89 O6 N2 P1	13.078	+H
X	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	16.545	+H
X	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	16.335	+HCOO
*	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	16.136	+H
X	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	25.449	+H
X	SM(d42:2)	SM	d42:2	d42:2	812.6771	C47 H93 O6 N2 P1	15.044	+H
X	SM(d42:3)	SM	d42:3	d42:3	810.6615	C47 H91 O6 N2 P1	13.806	+H
*	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	15.236	+H
*	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	12.737	+H
*	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	12.54	+H
*	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	13.591	+H
*	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	14.021	+H
X	SM(d43:1)	SM	d43:1	d43:1	828.7084	C48 H97 O6 N2 P1	16.861	+H
X	SM(d43:1)	SM	d43:1	d43:1	828.7084	C48 H97 O6 N2 P1	17.087	+H
X	SM(d43:2)	SM	d43:2	d43:2	826.6928	C48 H95 O6 N2 P1	15.749	+H
*	SM(d43:4)	SM	d43:4	d43:4	822.6615	C48 H91 O6 N2 P1	15.95	+H

X	SM(d44:1)	SM	d44:1	d44:1	842.7241	C49 H99 O6 N2 P1	17.55	+H
*	SM(d44:4)	SM	d44:4	d44:4	836.6771	C49 H93 O6 N2 P1	16.339	+H
*	SM(d44:5)	SM	d44:5	d44:5	834.6615	C49 H91 O6 N2 P1	15.039	+H
*	SM(d44:5)	SM	d44:5	d44:5	834.6615	C49 H91 O6 N2 P1	15.55	+H
*	So(d18:0)	So	d18:0	d18:0	301.2981	C18 H39 O2 N1	2.104	+H
*	So(d18:1)	So	d18:1	d18:1	299.2824	C18 H37 O2 N1	1.887	+H
*	TG(10:0,12:0,14:0)	TG	10:0/12:0/14:0	36:0	638.5485	C39 H74 O6	16.304	+NH4
*	TG(10:0,18:1,22:6)	TG	10:0/18:1/22:6	50:7	820.6581	C53 H88 O6	18.006	+NH4
X	TG(10:0,18:2,18:2)	TG	10:0/18:2/18:2	46:4	770.6424	C49 H86 O6	17.74	+NH4
X	TG(10:0,18:2,18:3)	TG	10:0/18:2/18:3	46:5	768.6268	C49 H84 O6	17.105	+NH4
X	TG(10:0,18:2,20:4)	TG	10:0/18:2/20:4	48:6	794.6424	C51 H86 O6	17.351	+NH4
*	TG(11:0,16:0,22:6)	TG	11:0/16:0/22:6	49:6	808.6581	C52 H88 O6	16.868	+H
*	TG(12:0,12:0,14:0)	TG	12:0/12:0/14:0	38:0	666.5798	C41 H78 O6	17.321	+NH4
*	TG(12:0,14:0,14:1)	TG	12:0/14:0/14:1	40:1	692.5955	C43 H80 O6	17.465	+NH4
X	TG(12:0,18:2,18:2)	TG	12:0/18:2/18:2	48:4	798.6737	C51 H90 O6	18.432	+NH4
*	TG(12:0,18:2,18:3)	TG	12:0/18:2/18:3	48:5	796.6581	C51 H88 O6	17.922	+NH4
X	TG(12:0,18:2,22:6)	TG	12:0/18:2/22:6	52:8	846.6737	C55 H90 O6	18.237	+NH4
*	TG(12:0,18:3,18:3)	TG	12:0/18:3/18:3	48:6	794.6424	C51 H86 O6	17.413	+NH4
*	TG(14:0,14:1,18:3)	TG	14:0/14:1/18:3	46:4	770.6424	C49 H86 O6	18.091	+NH4
X	TG(14:0,18:2,18:3)	TG	14:0/18:2/18:3	50:5	824.6894	C53 H92 O6	18.633	+H
*	TG(14:0,18:2,20:5)	TG	14:0/18:2/20:5	52:7	848.6894	C55 H92 O6	18.41	+H
*	TG(14:0,18:3,18:3)	TG	14:0/18:3/18:3	50:6	822.6737	C53 H90 O6	18.179	+NH4
*	TG(14:0,18:3,18:3)	TG	14:0/18:3/18:3	50:6	822.6737	C53 H90 O6	16.265	+H
*	TG(15:0,12:0,16:1)	TG	15:0/12:0/16:1	43:1	734.6424	C46 H86 O6	18.473	+NH4
*	TG(15:0,13:0,16:0)	TG	15:0/13:0/16:0	44:0	750.6737	C47 H90 O6	19.335	+NH4
*	TG(15:0,13:0,16:1)	TG	15:0/13:0/16:1	44:1	748.6581	C47 H88 O6	18.673	+NH4
X	TG(15:0,14:0,16:0)	TG	15:0/14:0/16:0	45:0	764.6894	C48 H92 O6	19.729	+NH4
*	TG(15:0,14:1,16:1)	TG	15:0/14:1/16:1	45:2	760.6581	C48 H88 O6	18.561	+NH4
X	TG(15:0,14:1,18:2)	TG	15:0/14:1/18:2	47:3	786.6737	C50 H90 O6	18.689	+NH4
*	TG(15:0,15:0,16:0)	TG	15:0/15:0/16:0	46:0	778.705	C49 H94 O6	19.869	+NH4

*	TG(15:0,15:0,16:0)	TG	15:0/15:0/16:0	46:0	778.705	C49 H94 O6	19.743	+NH4
*	TG(15:0,16:0,16:0)	TG	15:0/16:0/16:0	47:0	792.7207	C50 H96 O6	20.574	+NH4
*	TG(15:0,16:0,16:0)	TG	15:0/16:0/16:0	47:0	792.7207	C50 H96 O6	20.218	+NH4
*	TG(15:0,16:0,16:1)	TG	15:0/16:0/16:1	47:1	790.705	C50 H94 O6	20.284	+NH4
X	TG(15:0,16:0,16:1)	TG	15:0/16:0/16:1	47:1	790.705	C50 H94 O6	19.727	+NH4
X	TG(15:0,16:0,18:1)	TG	15:0/16:0/18:1	49:1	818.7363	C52 H98 O6	20.2	+NH4
X	TG(15:0,16:0,18:2)	TG	15:0/16:0/18:2	49:2	816.7207	C52 H96 O6	19.808	+NH4
*	TG(15:0,16:1,16:1)	TG	15:0/16:1/16:1	47:2	788.6894	C50 H92 O6	19.187	+NH4
*	TG(15:0,16:1,18:1)	TG	15:0/16:1/18:1	49:2	816.7207	C52 H96 O6	20.419	+NH4
*	TG(15:0,16:1,18:2)	TG	15:0/16:1/18:2	49:3	814.705	C52 H94 O6	19.517	+NH4
X	TG(15:0,16:1,18:2)	TG	15:0/16:1/18:2	49:3	814.705	C52 H94 O6	19.302	+NH4
*	TG(15:0,16:1,18:2)	TG	15:0/16:1/18:2	49:3	814.705	C52 H94 O6	19.28	+NH4
*	TG(15:0,16:1,24:0)	TG	15:0/16:1/24:0	55:1	902.8302	C58 H110 O6	21.422	+NH4
*	TG(15:0,18:1,18:2)	TG	15:0/18:1/18:2	51:3	842.7363	C54 H98 O6	19.777	+NH4
*	TG(15:0,18:1,18:3)	TG	15:0/18:1/18:3	51:4	840.7207	C54 H96 O6	19.342	+NH4
*	TG(15:0,18:1,18:3)	TG	15:0/18:1/18:3	51:4	840.7207	C54 H96 O6	17.391	+H
X	TG(15:0,18:2,18:2)	TG	15:0/18:2/18:2	51:4	840.7207	C54 H96 O6	19.356	+NH4
*	TG(15:0,18:2,18:3)	TG	15:0/18:2/18:3	51:5	838.705	C54 H94 O6	19.231	+NH4
X	TG(15:0,18:2,18:3)	TG	15:0/18:2/18:3	51:5	838.705	C54 H94 O6	18.872	+H
*	TG(15:0,18:2,20:5)	TG	15:0/18:2/20:5	53:7	862.705	C56 H94 O6	19.436	+NH4
*	TG(15:0,18:2,22:6)	TG	15:0/18:2/22:6	55:8	888.7207	C58 H96 O6	19.454	+NH4
X	TG(15:1,14:0,16:1)	TG	15:1/14:0/16:1	45:2	760.6581	C48 H88 O6	18.68	+NH4
X	TG(15:1,16:1,18:2)	TG	15:1/16:1/18:2	49:4	812.6894	C52 H92 O6	18.804	+NH4
X	TG(15:1,18:2,18:2)	TG	15:1/18:2/18:2	51:5	838.705	C54 H94 O6	18.811	+NH4
X	TG(15:1,18:2,18:3)	TG	15:1/18:2/18:3	51:6	836.6894	C54 H92 O6	18.357	+NH4
X	TG(16:0,8:0,18:1)	TG	16:0/8:0/18:1	42:1	720.6268	C45 H84 O6	18.301	+NH4
X	TG(16:0,10:0,18:1)	TG	16:0/10:0/18:1	44:1	748.6581	C47 H88 O6	18.919	+NH4
*	TG(16:0,12:0,12:0)	TG	16:0/12:0/12:0	40:0	694.6111	C43 H82 O6	18.173	+NH4
*	TG(16:0,12:0,14:0)	TG	16:0/12:0/14:0	42:0	722.6424	C45 H86 O6	18.859	+NH4
*	TG(16:0,12:0,22:6)	TG	16:0/12:0/22:6	50:6	822.6737	C53 H90 O6	18.446	+NH4

*	TG(16:0,13:0,14:0)	TG	16:0/13:0/14:0	43:0	736.6581	C46 H88 O6	19.015	+NH4
X	TG(16:0,14:0,14:0)	TG	16:0/14:0/14:0	44:0	750.6737	C47 H90 O6	19.491	+NH4
*	TG(16:0,14:0,14:1)	TG	16:0/14:0/14:1	44:1	748.6581	C47 H88 O6	23.336	+NH4
*	TG(16:0,14:0,14:1)	TG	16:0/14:0/14:1	44:1	748.6581	C47 H88 O6	22.572	+NH4
*	TG(16:0,14:0,16:0)	TG	16:0/14:0/16:0	46:0	778.705	C49 H94 O6	20.269	+NH4
X	TG(16:0,14:0,16:0)	TG	16:0/14:0/16:0	46:0	778.705	C49 H94 O6	20.14	+NH4
X	TG(16:0,14:0,16:1)	TG	16:0/14:0/16:1	46:1	776.6894	C49 H92 O6	19.208	+NH4
X	TG(16:0,14:0,18:1)	TG	16:0/14:0/18:1	48:1	804.7207	C51 H96 O6	19.954	+NH4
*	TG(16:0,14:0,20:4)	TG	16:0/14:0/20:4	50:4	826.705	C53 H94 O6	19.357	+NH4
*	TG(16:0,14:0,22:6)	TG	16:0/14:0/22:6	52:6	850.705	C55 H94 O6	18.851	+NH4
*	TG(16:0,14:1,16:1)	TG	16:0/14:1/16:1	46:2	774.6737	C49 H90 O6	21.379	+NH4
X	TG(16:0,16:0,16:0)	TG	16:0/16:0/16:0	48:0	806.7363	C51 H98 O6	20.447	+NH4
*	TG(16:0,16:0,16:0)	TG	16:0/16:0/16:0	48:0	806.7363	C51 H98 O6	20.324	+NH4
*	TG(16:0,16:0,16:1)	TG	16:0/16:0/16:1	48:1	804.7207	C51 H96 O6	19.954	+NH4
*	TG(16:0,16:0,17:0)	TG	16:0/16:0/17:0	49:0	820.752	C52 H100 O6	20.557	+NH4
*	TG(16:0,16:0,18:1)	TG	16:0/16:0/18:1	50:1	832.752	C53 H100 O6	20.42	+NH4
X	TG(16:0,16:0,18:2)	TG	16:0/16:0/18:2	50:2	830.7363	C53 H98 O6	20.068	+NH4
*	TG(16:0,16:0,18:3)	TG	16:0/16:0/18:3	50:3	828.7207	C53 H96 O6	17.934	+H
X	TG(16:0,16:0,18:3)	TG	16:0/16:0/18:3	50:3	828.7207	C53 H96 O6	19.766	+H
*	TG(16:0,16:0,20:3)	TG	16:0/16:0/20:3	52:3	856.752	C55 H100 O6	18.44	+H
*	TG(16:0,16:0,20:4)	TG	16:0/16:0/20:4	52:4	854.7363	C55 H98 O6	19.897	+NH4
*	TG(16:0,16:0,20:5)	TG	16:0/16:0/20:5	52:5	852.7207	C55 H96 O6	20.634	+H
*	TG(16:0,16:0,20:5)	TG	16:0/16:0/20:5	52:5	852.7207	C55 H96 O6	19.533	+NH4
*	TG(16:0,16:0,22:0)	TG	16:0/16:0/22:0	54:0	890.8302	C57 H110 O6	21.613	+NH4
X	TG(16:0,16:0,22:6)	TG	16:0/16:0/22:6	54:6	878.7363	C57 H98 O6	19.722	+NH4
*	TG(16:0,16:1,16:1)	TG	16:0/16:1/16:1	48:2	802.705	C51 H94 O6	20.282	+NH4
*	TG(16:0,16:1,16:1)	TG	16:0/16:1/16:1	48:2	802.705	C51 H94 O6	19.532	+NH4
*	TG(16:0,16:1,18:1)	TG	16:0/16:1/18:1	50:2	830.7363	C53 H98 O6	20.044	+NH4
X	TG(16:0,16:1,18:2)	TG	16:0/16:1/18:2	50:3	828.7207	C53 H96 O6	19.516	+NH4
*	TG(16:0,16:1,18:3)	TG	16:0/16:1/18:3	50:4	826.705	C53 H94 O6	17.234	+H

*	TG(16:0,16:1,18:3)	TG	16:0/16:1/18:3	50:4	826.705	C53 H94 O6	17.062	+H
*	TG(16:0,16:1,20:5)	TG	16:0/16:1/20:5	52:6	850.705	C55 H94 O6	17.194	+H
X	TG(16:0,16:1,24:0)	TG	16:0/16:1/24:0	56:1	916.8459	C59 H112 O6	21.582	+NH4
X	TG(16:0,17:0,18:1)	TG	16:0/17:0/18:1	51:1	846.7676	C54 H102 O6	20.624	+NH4
*	TG(16:0,17:0,20:5)	TG	16:0/17:0/20:5	53:5	866.7363	C56 H98 O6	20.119	+NH4
*	TG(16:0,18:1,18:1)	TG	16:0/18:1/18:1	52:2	858.7676	C55 H102 O6	20.507	+NH4
X	TG(16:0,18:1,18:1)	TG	16:0/18:1/18:1	52:2	858.7676	C55 H102 O6	20.393	+NH4
X	TG(16:0,18:1,18:2)	TG	16:0/18:1/18:2	52:3	856.752	C55 H100 O6	20.014	+NH4
X	TG(16:0,18:1,18:3)	TG	16:0/18:1/18:3	52:4	854.7363	C55 H98 O6	19.618	+NH4
X	TG(16:0,18:1,19:0)	TG	16:0/18:1/19:0	53:1	874.7989	C56 H106 O6	20.961	+NH4
X	TG(16:0,18:1,20:4)	TG	16:0/18:1/20:4	54:5	880.752	C57 H100 O6	19.895	+NH4
*	TG(16:0,18:1,22:5)	TG	16:0/18:1/22:5	56:6	906.7676	C59 H102 O6	17.767	+H
X	TG(16:0,18:2,18:2)	TG	16:0/18:2/18:2	52:4	854.7363	C55 H98 O6	24.435	+NH4
X	TG(16:0,18:2,18:2)	TG	16:0/18:2/18:2	52:4	854.7363	C55 H98 O6	22.865	+NH4
X	TG(16:0,18:2,18:2)	TG	16:0/18:2/18:2	52:4	854.7363	C55 H98 O6	21.249	+NH4
X	TG(16:0,18:2,18:3)	TG	16:0/18:2/18:3	52:5	852.7207	C55 H96 O6	19.233	+H
X	TG(16:0,18:2,20:4)	TG	16:0/18:2/20:4	54:6	878.7363	C57 H98 O6	19.437	+H
*	TG(16:0,18:2,20:5)	TG	16:0/18:2/20:5	54:7	876.7207	C57 H96 O6	19.06	+H
*	TG(16:0,18:2,22:0)	TG	16:0/18:2/22:0	56:2	914.8302	C59 H110 O6	21.297	+NH4
*	TG(16:0,18:2,22:4)	TG	16:0/18:2/22:4	56:6	906.7676	C59 H102 O6	19.822	+NH4
X	TG(16:0,18:2,22:5)	TG	16:0/18:2/22:5	56:7	904.752	C59 H100 O6	19.479	+NH4
*	TG(16:0,18:2,22:6)	TG	16:0/18:2/22:6	56:8	902.7363	C59 H98 O6	19.258	+NH4
*	TG(16:0,18:2,22:6)	TG	16:0/18:2/22:6	56:8	902.7363	C59 H98 O6	16.58	+H
*	TG(16:0,18:2,22:6)	TG	16:0/18:2/22:6	56:8	902.7363	C59 H98 O6	16.328	+H
*	TG(16:0,18:3,18:3)	TG	16:0/18:3/18:3	52:6	850.705	C55 H94 O6	13.976	+H
*	TG(16:0,20:2,22:6)	TG	16:0/20:2/22:6	58:8	930.7676	C61 H102 O6	19.686	+NH4
X	TG(16:0,20:3,22:6)	TG	16:0/20:3/22:6	58:9	928.752	C61 H100 O6	19.254	+NH4
*	TG(16:0,20:4,24:0)	TG	16:0/20:4/24:0	60:4	966.8615	C63 H114 O6	21.561	+NH4
*	TG(16:0,22:6,22:6)	TG	16:0/22:6/22:6	60:2	950.7363	C63 H98 O6	18.878	+NH4
*	TG(16:0e,16:0,18:1)	TG	16:0e/16:0/18:1	50:1e	818.7727	C53 H102 O5	21.049	+H

X	TG(16:0e,16:0,18:2)	TG	16:0e/16:0/18:2	50:2e	816.7571	C53 H100 O5	20.711	+NH4
*	TG(16:0p,18:1,18:1)	TG	16:0p/18:1/18:1	52:2p	842.7727	C55 H102 O5	20.677	+NH4
*	TG(16:1,12:0,14:0)	TG	16:1/12:0/14:0	42:1	720.6268	C45 H84 O6	18.284	+NH4
*	TG(16:1,12:0,14:1)	TG	16:1/12:0/14:1	42:2	718.6111	C45 H82 O6	17.636	+NH4
X	TG(16:1,12:0,18:1)	TG	16:1/12:0/18:1	46:2	774.6737	C49 H90 O6	18.984	+NH4
X	TG(16:1,12:0,18:2)	TG	16:1/12:0/18:2	46:3	772.6581	C49 H88 O6	18.346	+NH4
*	TG(16:1,14:0,14:0)	TG	16:1/14:0/14:0	44:1	748.6581	C47 H88 O6	18.919	+NH4
*	TG(16:1,14:0,14:1)	TG	16:1/14:0/14:1	44:2	746.6424	C47 H86 O6	18.344	+NH4
X	TG(16:1,14:0,18:1)	TG	16:1/14:0/18:1	48:2	802.705	C51 H94 O6	19.441	+NH4
X	TG(16:1,14:0,18:2)	TG	16:1/14:0/18:2	48:3	800.6894	C51 H92 O6	18.998	+NH4
*	TG(16:1,14:1,18:1)	TG	16:1/14:1/18:1	48:3	800.6894	C51 H92 O6	19.108	+NH4
*	TG(16:1,14:1,18:2)	TG	16:1/14:1/18:2	48:4	798.6737	C51 H90 O6	18.653	+NH4
*	TG(16:1,16:1,16:1)	TG	16:1/16:1/16:1	48:3	800.6894	C51 H92 O6	18.835	+NH4
*	TG(16:1,16:1,18:2)	TG	16:1/16:1/18:2	50:4	826.705	C53 H94 O6	19.027	+NH4
*	TG(16:1,16:1,18:3)	TG	16:1/16:1/18:3	50:5	824.6894	C53 H92 O6	18.48	+H
*	TG(16:1,16:1,24:0)	TG	16:1/16:1/24:0	56:2	914.8302	C59 H110 O6	21.185	+NH4
*	TG(16:1,17:0,18:1)	TG	16:1/17:0/18:1	51:2	844.752	C54 H100 O6	20.067	+NH4
*	TG(16:1,17:1,18:3)	TG	16:1/17:1/18:3	51:5	838.705	C54 H94 O6	19.62	+NH4
*	TG(16:1,18:1,18:1)	TG	16:1/18:1/18:1	52:3	856.752	C55 H100 O6	24.892	+NH4
*	TG(16:1,18:1,24:0)	TG	16:1/18:1/24:0	58:2	942.8615	C61 H114 O6	21.666	+NH4
X	TG(16:1,18:2,18:2)	TG	16:1/18:2/18:2	52:5	852.7207	C55 H96 O6	19.098	+NH4
X	TG(16:1,18:2,18:3)	TG	16:1/18:2/18:3	52:6	850.705	C55 H94 O6	18.626	+NH4
*	TG(16:2,14:0,18:2)	TG	16:2/14:0/18:2	48:4	798.6737	C51 H90 O6	18.421	+NH4
X	TG(16:2,14:1,18:2)	TG	16:2/14:1/18:2	48:5	796.6581	C51 H88 O6	17.965	+NH4
X	TG(16:2,18:2,18:3)	TG	16:2/18:2/18:3	52:7	848.6894	C55 H92 O6	18.187	+NH4
X	TG(16:2,18:3,18:3)	TG	16:2/18:3/18:3	52:8	846.6737	C55 H90 O6	17.656	+NH4
X	TG(17:0,18:1,18:1)	TG	17:0/18:1/18:1	53:2	872.7833	C56 H104 O6	20.611	+NH4
*	TG(17:0,18:1,18:2)	TG	17:0/18:1/18:2	53:3	870.7676	C56 H102 O6	20.162	+NH4
*	TG(17:0,18:1,22:4)	TG	17:0/18:1/22:4	57:5	922.7989	C60 H106 O6	20.417	+NH4
X	TG(17:0,18:2,18:2)	TG	17:0/18:2/18:2	53:4	868.752	C56 H100 O6	19.77	+NH4

*	TG(18:0,16:0,16:0)	TG	18:0/16:0/16:0	50:0	834.7676	C53 H102 O6	20.869	+NH4
*	TG(18:0,16:0,16:0)	TG	18:0/16:0/16:0	50:0	834.7676	C53 H102 O6	20.743	+NH4
*	TG(18:0,16:0,17:0)	TG	18:0/16:0/17:0	51:0	848.7833	C54 H104 O6	20.96	+NH4
X	TG(18:0,16:0,18:1)	TG	18:0/16:0/18:1	52:1	860.7833	C55 H104 O6	20.844	+NH4
*	TG(18:0,16:0,18:0)	TG	18:0/16:0/18:0	52:0	862.7989	C55 H106 O6	21.241	+NH4
*	TG(18:0,16:0,18:0)	TG	18:0/16:0/18:0	52:0	862.7989	C55 H106 O6	20.944	+NH4
X	TG(18:0,16:0,19:0)	TG	18:0/16:0/19:0	53:0	876.8146	C56 H108 O6	21.423	+NH4
X	TG(18:0,16:0,20:4)	TG	18:0/16:0/20:4	54:4	882.7676	C57 H102 O6	20.358	+NH4
X	TG(18:0,17:0,18:2)	TG	18:0/17:0/18:2	53:2	872.7833	C56 H104 O6	20.721	+NH4
X	TG(18:0,18:0,18:1)	TG	18:0/18:0/18:1	54:1	888.8146	C57 H108 O6	21.226	+NH4
*	TG(18:0,18:0,18:2)	TG	18:0/18:0/18:2	54:2	886.7989	C57 H106 O6	20.921	+NH4
*	TG(18:0,18:0,20:3)	TG	18:0/18:0/20:3	56:3	912.8146	C59 H108 O6	20.877	+NH4
*	TG(18:0,18:0,20:4)	TG	18:0/18:0/20:4	56:04	910.7989	C59 H106 O6	20.797	+NH4
X	TG(18:0,18:0,22:0)	TG	18:0/18:0/22:0	58:0	946.8928	C61 H118 O6	22.123	+NH4
*	TG(18:0,18:0,22:6)	TG	18:0/18:0/22:6	58:6	934.7989	C61 H106 O6	20.647	+NH4
*	TG(18:0,18:1,18:1)	TG	18:0/18:1/18:1	54:2	886.7989	C57 H106 O6	20.801	+H
X	TG(18:0,18:1,18:2)	TG	18:0/18:1/18:2	54:3	884.7833	C57 H104 O6	20.477	+NH4
*	TG(18:0,18:1,18:3)	TG	18:0/18:1/18:3	54:4	882.7676	C57 H102 O6	18.419	+H
X	TG(18:0,18:2,18:3)	TG	18:0/18:2/18:3	54:5	880.752	C57 H100 O6	19.764	+H
*	TG(18:0,18:2,22:4)	TG	18:0/18:2/22:4	58:6	934.7989	C61 H106 O6	20.289	+NH4
*	TG(18:0,18:2,22:5)	TG	18:0/18:2/22:5	58:7	932.7833	C61 H104 O6	20.18	+NH4
*	TG(18:0,18:2,22:5)	TG	18:0/18:2/22:5	58:7	932.7833	C61 H104 O6	19.926	+NH4
*	TG(18:0,20:0,20:4)	TG	18:0/20:0/20:4	58:4	938.8302	C61 H110 O6	21.191	+NH4
X	TG(18:0,20:0,22:0)	TG	18:0/20:0/22:0	60:0	974.9241	C63 H122 O6	22.507	+NH4
X	TG(18:0,20:4,20:4)	TG	18:0/20:4/20:4	58:8	930.7676	C61 H102 O6	19.814	+NH4
X	TG(18:0,20:4,22:6)	TG	18:0/20:4/22:6	60:10	954.7676	C63 H102 O6	19.659	+NH4
X	TG(18:0,22:0,22:0)	TG	18:0/22:0/22:0	62:0	1002.955	C65 H126 O6	22.781	+NH4
X	TG(18:0e,16:0,18:0)	TG	18:0e/16:0/18:0	52:0e	848.8197	C55 H108 O5	21.821	+NH4
*	TG(18:0e,16:0,18:1)	TG	18:0e/16:0/18:1	52:1e	846.804	C55 H106 O5	21.426	+H
X	TG(18:0e,16:0,22:4)	TG	18:0e/16:0/22:4	56:4e	896.8197	C59 H108 O5	21.245	+H

*	TG(18:0e,18:1,18:2)	TG	18:0e/18:1/18:2	54:3e	870.804	C57 H106 O5	21.099	+NH4
*	TG(18:1,17:1,18:2)	TG	18:1/17:1/18:2	53:4	868.752	C56 H100 O6	20.472	+NH4
*	TG(18:1,18:1,18:1)	TG	18:1/18:1/18:1	54:3	884.7833	C57 H104 O6	20.374	+NH4
*	TG(18:1,18:1,18:2)	TG	18:1/18:1/18:2	54:4	882.7676	C57 H102 O6	20.368	+NH4
*	TG(18:1,18:1,18:2)	TG	18:1/18:1/18:2	54:4	882.7676	C57 H102 O6	20.111	+NH4
*	TG(18:1,18:1,18:3)	TG	18:1/18:1/18:3	54:5	880.752	C57 H100 O6	17.767	+H
*	TG(18:1,18:1,20:3)	TG	18:1/18:1/20:3	56:5	908.7833	C59 H104 O6	20.082	+H
*	TG(18:1,18:2,18:3)	TG	18:1/18:2/18:3	54:6	878.7363	C57 H98 O6	17.37	+H
*	TG(18:1,18:2,24:0)	TG	18:1/18:2/24:0	60:3	968.8772	C63 H116 O6	21.61	+NH4
*	TG(18:1,20:4,20:5)	TG	18:1/20:4/20:5	58:10	926.7363	C61 H98 O6	18.87	+NH4
*	TG(18:1,20:4,22:0)	TG	18:1/20:4/22:0	60:5	964.8459	C63 H112 O6	21.128	+NH4
*	TG(18:1,22:6,22:6)	TG	18:1/22:6/22:6	62:13	976.752	C65 H100 O6	18.852	+NH4
*	TG(18:2,14:1,14:1)	TG	18:2/14:1/14:1	46:4	770.6424	C49 H86 O6	17.909	+NH4
X	TG(18:2,18:2,18:2)	TG	18:2/18:2/18:2	54:6	878.7363	C57 H98 O6	22.291	+NH4
*	TG(18:2,18:2,18:2)	TG	18:2/18:2/18:2	54:6	878.7363	C57 H98 O6	20.971	+NH4
*	TG(18:2,18:2,20:4)	TG	18:2/18:2/20:4	56:8	902.7363	C59 H98 O6	16.846	+H
*	TG(18:2,22:6,22:6)	TG	18:2/22:6/22:6	62:14	974.7363	C65 H98 O6	18.337	+NH4
X	TG(18:2p,16:0,18:2)	TG	18:2p/16:0/18:2	52:4p	838.7414	C55 H98 O5	20.035	+H
X	TG(18:2p,16:0,18:3)	TG	18:2p/16:0/18:3	52:5p	836.7258	C55 H96 O5	19.607	+H
*	TG(18:3,13:0,18:2)	TG	18:3/13:0/18:2	49:5	810.6737	C52 H90 O6	18.3	+NH4
X	TG(18:3,14:1,18:2)	TG	18:3/14:1/18:2	50:6	822.6737	C53 H90 O6	18.103	+NH4
X	TG(18:3,14:1,18:3)	TG	18:3/14:1/18:3	50:7	820.6581	C53 H88 O6	17.561	+NH4
X	TG(18:3,17:1,18:2)	TG	18:3/17:1/18:2	53:6	864.7207	C56 H96 O6	18.902	+NH4
X	TG(18:3,18:2,18:2)	TG	18:3/18:2/18:2	54:7	876.7207	C57 H96 O6	18.714	+H
X	TG(18:3,18:2,18:3)	TG	18:3/18:2/18:3	54:8	874.705	C57 H94 O6	18.288	+NH4
X	TG(18:3,18:2,20:5)	TG	18:3/18:2/20:5	56:10	898.705	C59 H94 O6	18.078	+NH4
*	TG(18:3,18:2,22:4)	TG	18:3/18:2/22:4	58:9	928.752	C61 H100 O6	16.53	+H
X	TG(18:3,18:3,20:5)	TG	18:3/18:3/20:5	56:11	896.6894	C59 H92 O6	17.603	+NH4
X	TG(18:3,18:3,22:6)	TG	18:3/18:3/22:6	58:12	922.705	C61 H94 O6	17.851	+NH4
X	TG(18:3,20:5,20:5)	TG	18:3/20:5/20:5	58:13	920.6894	C61 H92 O6	17.3	+NH4

X	TG(18:3,20:5,22:6)	TG	18:3/20:5/22:6	60:14	946.705	C63 H94 O6	17.599	+NH4
*	TG(18:4,14:0,16:0)	TG	18:4/14:0/16:0	48:4	798.6737	C51 H90 O6	18.775	+NH4
*	TG(18:4,15:0,18:1)	TG	18:4/15:0/18:1	51:5	838.705	C54 H94 O6	17.788	+NH4
*	TG(18:4,16:0,16:0)	TG	18:4/16:0/16:0	50:4	826.705	C53 H94 O6	17.783	+H
*	TG(18:4,16:0,16:1)	TG	18:4/16:0/16:1	50:5	824.6894	C53 H92 O6	18.881	+NH4
*	TG(18:4,16:0,16:1)	TG	18:4/16:0/16:1	50:5	824.6894	C53 H92 O6	17.03	+H
*	TG(18:4,16:0,18:2)	TG	18:4/16:0/18:2	52:6	850.705	C55 H94 O6	16.83	+H
X	TG(18:4,16:0,20:5)	TG	18:4/16:0/20:5	54:9	872.6894	C57 H92 O6	18.142	+NH4
*	TG(18:4,16:1,18:2)	TG	18:4/16:1/18:2	52:7	848.6894	C55 H92 O6	16.714	+H
*	TG(18:4,16:1,18:2)	TG	18:4/16:1/18:2	52:7	848.6894	C55 H92 O6	16.573	+H
*	TG(18:4,17:1,18:3)	TG	18:4/17:1/18:3	53:8	860.6894	C56 H92 O6	16.531	+NH4
*	TG(18:4,18:1,18:1)	TG	18:4/18:1/18:1	54:6	878.7363	C57 H98 O6	17.022	+H
*	TG(18:4,18:2,18:2)	TG	18:4/18:2/18:2	54:8	874.705	C57 H94 O6	16.52	+H
X	TG(18:4,18:2,18:3)	TG	18:4/18:2/18:3	54:9	872.6894	C57 H92 O6	16.068	+H
X	TG(19:0,18:1,18:1)	TG	19:0/18:1/18:1	55:2	900.8146	C58 H108 O6	21.014	+NH4
*	TG(19:0,18:1,18:2)	TG	19:0/18:1/18:2	55:3	898.7989	C58 H106 O6	20.676	+NH4
X	TG(20:0,18:2,18:2)	TG	20:0/18:2/18:2	56:4	910.7989	C59 H106 O6	20.559	+NH4
X	TG(20:0e,16:0,18:1)	TG	20:0e/16:0/18:1	54:1e	874.8353	C57 H110 O5	21.78	+NH4
*	TG(20:0p,16:0,16:0)	TG	20:0p/16:0/16:0	52:0p	846.804	C55 H106 O5	21.427	+NH4
*	TG(20:1,18:1,18:1)	TG	20:1/18:1/18:1	56:3	912.8146	C59 H108 O6	20.766	+NH4
*	TG(20:1,18:1,18:2)	TG	20:1/18:1/18:2	56:4	910.7989	C59 H106 O6	20.446	+NH4
X	TG(20:1,18:1,18:3)	TG	20:1/18:1/18:3	56:5	908.7833	C59 H104 O6	20.102	+NH4
*	TG(20:1,18:2,18:2)	TG	20:1/18:2/18:2	56:5	908.7833	C59 H104 O6	18.152	+H
X	TG(20:2,18:2,22:4)	TG	20:2/18:2/22:4	60:8	958.7989	C63 H106 O6	19.914	+NH4
*	TG(20:1,18:2,22:6)	TG	20:1/18:2/22:6	60:9	956.7833	C63 H104 O6	19.834	+NH4
*	TG(20:2,18:2,18:2)	TG	20:2/18:2/18:2	56:6	906.7676	C59 H102 O6	19.693	+H
*	TG(20:2,18:2,18:2)	TG	20:2/18:2/18:2	56:6	906.7676	C59 H102 O6	17.599	+H
*	TG(20:3,18:2,18:2)	TG	20:3/18:2/18:2	56:7	904.752	C59 H100 O6	19.271	+H
*	TG(20:3,18:2,18:2)	TG	20:3/18:2/18:2	56:7	904.752	C59 H100 O6	17.192	+H
X	TG(20:5,17:1,18:2)	TG	20:5/17:1/18:2	55:8	888.7207	C58 H96 O6	18.755	+NH4

X	TG(20:5,18:2,18:2)	TG	20:5/18:2/18:2	56:9	900.7207	C59 H96 O6	18.5	+H
*	TG(20:5,18:2,20:4)	TG	20:5/18:2/20:4	58:11	924.7207	C61 H96 O6	18.315	+H
*	TG(20:5,18:2,22:5)	TG	20:5/18:2/22:5	60:12	950.7363	C63 H98 O6	18.366	+NH4
X	TG(20:5,18:2,22:6)	TG	20:5/18:2/22:6	60:13	948.7207	C63 H96 O6	18.103	+NH4
X	TG(22:4,18:2,18:2)	TG	22:4/18:2/18:2	58:8	930.7676	C61 H102 O6	19.379	+H
*	TG(22:4,18:2,18:2)	TG	22:4/18:2/18:2	58:8	930.7676	C61 H102 O6	16.32	+H
*	TG(22:4,18:2,22:5)	TG	22:4/18:2/22:5	62:11	980.7833	C65 H104 O6	19.221	+NH4
*	TG(22:5,18:2,18:2)	TG	22:5/18:2/18:2	58:9	928.752	C61 H100 O6	16.863	+H
*	TG(24:0,18:2,18:2)	TG	24:0/18:2/18:2	60:4	966.8615	C63 H114 O6	21.372	+NH4
*	TG(8:0,12:0,14:0)	TG	8:0/12:0/14:0	34:0	610.5172	C37 H70 O6	15.127	+NH4
*	TG(8:0,14:0,22:5)	TG	8:0/14:0/22:5	44:5	740.5955	C47 H80 O6	16.291	+H
X	TG(8:0,18:1,18:2)	TG	8:0/18:1/18:2	44:3	744.6268	C47 H84 O6	17.661	+NH4
X	TG(8:0,18:2,18:2)	TG	8:0/18:2/18:2	44:4	742.6111	C47 H82 O6	16.918	+NH4
*	TG(8:0,8:0,10:0)	TG	8:0/8:0/10:0	26:0	498.392	C29 H54 O6	8.997	+NH4

Cer: ceramide, CE: cholesterol ester, CL: cardiolipin, DG: diacylglycerol, LysoPC: lysophosphatidylcholine, LysoPE: lysophosphatidylethanolamine, LysoPG: lysophosphatidylglycerol, LysoPI: lysophosphatidylinositol, LysoPS: lysophosphatidylserine, PA: phosphatidic acid, PC: phosphatidylcholine, PE: phosphatidylethanolamine, PG: phosphatidylglycerol, PI: phosphatidylinositol, PS: phosphatidylserine, So: sphingosine, SM: sphingomyelin, TG: triacylglycerol. X: detected by one-dimensional RPLC-MS/MS and two-dimensional NPLC-RPLC/MS-MS. *: detected just by two-dimensional mixed-mode LC-RPLC/MS-MS.

Table A.3: Lipids identified in rat plasma by off-line two-dimensional high-performance liquid chromatography-high resolution mass spectrometry.

Detection method	Lipid Molecule	Class	Fatty acids (FA)	FA Group	Calc Mass	Formula	Base Rt	Main Ion
X	Cer(d18:0/16:0)	Cer	d18:0/16:0	d34:0	539.5277	C34 H69 O3 N1	12.646	+H
*	Cer(d18:0/18:0)	Cer	d18:0/18:0	d36:0	567.559	C36 H73 O3 N1	14.254	+H
*	Cer(d18:0/20:0)	Cer	d18:0/20:0	d38:0	595.5903	C38 H77 O3 N1	15.776	+H
X	Cer(d18:0/22:0)	Cer	d18:0/22:0	d40:0	623.6216	C40 H81 O3 N1	16.977	+H
*	Cer(d18:0/24:0)	Cer	d18:0/24:0	d42:0	651.6529	C42 H85 O3 N1	17.908	+H
X	Cer(d18:1/16:0)	Cer	d18:1/16:0	d34:1	537.5121	C34 H67 O3 N1	12.066	+H
*	Cer(d18:1/18:0)	Cer	d18:1/18:0	d36:1	565.5434	C36 H71 O3 N1	13.712	+H
X	Cer(d18:1/20:0)	Cer	d18:1/20:0	d38:1	593.5747	C38 H75 O3 N1	15.279	+H
X	Cer(d18:1/22:0)	Cer	d18:1/22:0	d40:1	621.606	C40 H79 O3 N1	16.612	+H
X	Cer(d18:1/24:0)	Cer	d18:1/24:0	d42:1	649.6373	C42 H83 O3 N1	17.455	+H
X	Cer(d18:1/24:0)	Cer	d18:1/24:0	d42:1	649.6373	C42 H83 O3 N1	17.625	+H
X	Cer(d18:1/24:1)	Cer	d18:1/24:1	d42:2	647.6216	C42 H81 O3 N1	16.454	+H
*	Cer(d18:1/24:1)	Cer	d18:1/24:1	d42:2	647.6216	C42 H81 O3 N1	16.846	+H
*	Cer(d18:2/22:0)	Cer	d18:2/22:0	d40:2	619.5903	C40 H77 O3 N1	15.589	+H
*	ChE(18:2)	CE	18:2	18:2	648.5845	C45 H76 O2	20.82	+NH4
*	ChE(20:4)	CE	20:4	20:4	672.5845	C47 H76 O2	20.508	+NH4
*	DG(16:0/16:1/0:0)	DG	16:0/16:1	32:1	566.491	C35 H66 O5	17.694	+H
*	DG(16:0/16:1/0:0)	DG	16:0/16:1	32:1	566.491	C35 H66 O5	18.252	+H
*	DG(16:0/18:1/0:0)	DG	16:0/18:1	34:1	594.5223	C37 H70 O5	18.144	+H
*	DG(16:0/18:1/0:0)	DG	16:0/18:1	34:1	594.5223	C37 H70 O5	18.659	+H
*	DG(16:0/18:2/0:0)	DG	16:0/18:2	34:2	592.5067	C37 H68 O5	17.703	+H
*	DG(16:0/18:3/0:0)	DG	16:0/18:3	34:3	590.491	C37 H66 O5	12.696	+H
*	DG(16:1/18:1/0:0)	DG	16:1/18:1	34:2	592.5067	C37 H68 O5	18.26	+H
*	DG(16:1/18:2/0:0)	DG	16:1/18:2	34:3	590.491	C37 H66 O5	17.061	+H
*	DG(16:1/18:2/0:0)	DG	16:1/18:2	34:3	590.491	C37 H66 O5	17.697	+H
*	DG(18:1/18:1/0:0)	DG	18:1/18:1	36:2	620.538	C39 H72 O5	14.977	+NH4

*	DG(18:1/18:1/0:0)	DG	18:1/18:1	36:2	620.538	C39 H72 O5	18.645	+H
*	DG(18:1/18:2/0:0)	DG	18:1/18:2	36:3	618.5223	C39 H70 O5	13.797	+NH4
*	DG(18:1/0:0/18:2)	DG	18:1/18:2	36:3	618.5223	C39 H70 O5	17.638	+H
*	DG(18:2/18:2/0:0)	DG	18:2/18:2	36:4	616.5067	C39 H68 O5	12.583	+NH4
*	DG(18:2/0:0/18:2)	DG	18:2/18:2	36:4	616.5067	C39 H68 O5	12.654	+NH4
*	DG(18:2/18:2/0:0)	DG	18:2/18:2	36:4	616.5067	C39 H68 O5	17.028	+H
*	DG(18:2/18:2/0:0)	DG	18:2/18:2	36:4	616.5067	C39 H68 O5	17.575	+H
*	DG(18:2/18:2/0:0)	DG	18:2/18:2	36:4	616.5067	C39 H68 O5	17.703	+H
*	DG(18:2/20:4/0:0)	DG	18:2/20:4	38:6	640.5067	C41 H68 O5	12.221	+NH4
*	DG(18:2/22:6/0:0)	DG	18:2/22:6	40:8	664.5067	C43 H68 O5	11.815	+NH4
*	DG(18:3/18:2/0:0)	DG	18:3/18:2	36:5	614.491	C39 H66 O5	11.539	+H
*	DG(18:3/18:2/0:0)	DG	18:3/18:2	36:5	614.491	C39 H66 O5	16.408	+H
*	DG(18:3/18:3/0:0)	DG	18:3/18:3	36:6	612.4754	C39 H64 O5	10.497	+H
*	DG(20:5/18:2/0:0)	DG	20:5/18:2	38:7	638.491	C41 H66 O5	11.199	+H
*	DG(22:4/18:2/0:0)	DG	22:4/18:2	40:6	668.538	C43 H72 O5	13.361	+NH4
*	LysoPC(0:0/14:0)	LPC	14:00	14:0	467.3012	C22 H46 O7 N1 P1	1.541	+H
*	LysoPC(14:0/0:0)	LPC	14:00	14:0	467.3012	C22 H46 O7 N1 P1	1.667	+H
X	LysoPC(0:0/15:0)	LPC	15:00	15:0	481.3168	C23 H48 O7 N1 P1	1.851	+H
X	LysoPC(15:0/0:0)	LPC	15:00	15:0	481.3168	C23 H48 O7 N1 P1	2.018	+H
X	LysoPC(0:0/16:0)	LPC	16:00	16:0	495.3325	C24 H50 O7 N1 P1	2.116	+HCOO
X	LysoPC(16:0/0:0)	LPC	16:00	16:0	495.3325	C24 H50 O7 N1 P1	2.452	+H
*	LysoPC(16:0e)	LPC	16:0e	16:0e	481.3532	C24 H52 O6 N1 P1	2.817	+H
*	LysoPC(16:0e)	LPC	16:0e	16:0e	481.3532	C24 H52 O6 N1 P1	2.946	+H
*	LysoPC(16:0p)	LPC	16:0p	16:0p	479.3376	C24 H50 O6 N1 P1	2.092	+H
*	LysoPC(16:0p)	LPC	16:0p	16:0p	479.3376	C24 H50 O6 N1 P1	2.85	+H
X	LysoPC(0:0/16:1)	LPC	16:01	16:1	493.3168	C24 H48 O7 N1 P1	1.674	+H
X	LysoPC(16:1/0:0)	LPC	16:01	16:1	493.3168	C24 H48 O7 N1 P1	1.78	+H
X	LysoPC(16:1p)	LPC	16:1p	16:1p	477.3219	C24 H48 O6 N1 P1	2.255	+H
*	LysoPC(16:1p)	LPC	16:1p	16:1p	477.3219	C24 H48 O6 N1 P1	2.457	+H
*	LysoPC(0:0/16:2)	LPC	16:02	16:2	491.3012	C24 H46 O7 N1 P1	1.467	+H

*	LysoPC(16:2/0:0)	LPC	16:02	16:2	491.3012	C24 H46 O7 N1 P1	1.632	+H
X	LysoPC(0:0/17:0)	LPC	17:00	17:0	509.3481	C25 H52 O7 N1 P1	2.571	+H
X	LysoPC(17:0/0:0)	LPC	17:00	17:0	509.3481	C25 H52 O7 N1 P1	2.792	+H
X	LysoPC(17:2/0:0)	LPC	17:02	17:2	505.3168	C25 H48 O7 N1 P1	1.679	+H
X	LysoPC(0:0/18:0)	LPC	18:00	18:0	523.3638	C26 H54 O7 N1 P1	3.462	+H
X	LysoPC(18:0/0:0)	LPC	18:00	18:0	523.3638	C26 H54 O7 N1 P1	3.791	+H
*	LysoPC(18:0e)	LPC	18:0e	18:0e	509.3845	C26 H56 O6 N1 P1	4.288	+H
X	LysoPC(18:0e)	LPC	18:0e	18:0e	509.3845	C26 H56 O6 N1 P1	4.56	+H
X	LysoPC(18:0p)	LPC	18:0p	18:0p	507.3689	C26 H54 O6 N1 P1	3.127	+H
X	LysoPC(18:0p)	LPC	18:0p	18:0p	507.3689	C26 H54 O6 N1 P1	4.154	+H
X	LysoPC(0:0/18:1)	LPC	18:01	18:01	521.3481	C26 H52 O7 N1 P1	2.382	+H
X	LysoPC(18:1/0:0)	LPC	18:01	18:01	521.3481	C26 H52 O7 N1 P1	2.629	+H
*	LysoPC(18:1p)	LPC	18:1p	18:1p	505.3532	C26 H52 O6 N1 P1	3.023	+H
X	LysoPC(18:1p)	LPC	18:1p	18:1p	505.3532	C26 H52 O6 N1 P1	3.466	+H
X	LysoPC(18:1p)	LPC	18:1p	18:1p	505.3532	C26 H52 O6 N1 P1	3.804	+H
X	LysoPC(0:0/18:2)	LPC	18:02	18:2	519.3325	C26 H50 O7 N1 P1	1.842	+H
X	LysoPC(18:2/0:0)	LPC	18:02	18:2	519.3325	C26 H50 O7 N1 P1	1.984	+H
*	LysoPC(18:2p)	LPC	18:2p	18:2p	503.3376	C26 H50 O6 N1 P1	1.797	+H
X	LysoPC(18:2p)	LPC	18:2p	18:2p	503.3376	C26 H50 O6 N1 P1	2.258	+H
*	LysoPC(18:2p)	LPC	18:2p	18:2p	503.3376	C26 H50 O6 N1 P1	2.635	+H
X	LysoPC(0:0/18:3)	LPC	18:03	18:3	517.3168	C26 H48 O7 N1 P1	1.42	+H
*	LysoPC(0:0/18:4)	LPC	18:04	18:4	515.3012	C26 H46 O7 N1 P1	1.376	+H
*	LysoPC(18:4/0:0)	LPC	18:04	18:4	515.3012	C26 H46 O7 N1 P1	1.738	+H
X	LysoPC(0:0/19:0)	LPC	19:00	19:0	537.3794	C27 H56 O7 N1 P1	4.308	+H
X	LysoPC(19:0/0:0)	LPC	19:00	19:0	537.3794	C27 H56 O7 N1 P1	4.679	+H
X	LysoPC(0:0/20:0)	LPC	20:00	20:0	551.3951	C28 H58 O7 N1 P1	4.882	+H
X	LysoPC(20:0/0:0)	LPC	20:00	20:0	551.3951	C28 H58 O7 N1 P1	5.398	+HCOO
*	LysoPC(20:0e)	LPC	20:0e	20:0e	537.4158	C28 H60 O6 N1 P1	6.487	+H
X	LysoPC(20:0e)	LPC	20:0e	20:0e	537.4158	C28 H60 O6 N1 P1	6.609	+H
X	LysoPC(20:0p)	LPC	20:0p	20:0p	535.4002	C28 H58 O6 N1 P1	4.648	+H

X	LysoPC(20:0p)	LPC	20:0p	20:0p	535.4002	C28 H58 O6 N1 P1	6.484	+H
X	LysoPC(0:0/20:1)	LPC	20:01	20:1	549.3794	C28 H56 O7 N1 P1	3.592	+H
X	LysoPC(20:1/0:0)	LPC	20:01	20:1	549.3794	C28 H56 O7 N1 P1	3.912	+H
X	LysoPC(20:1p)	LPC	20:1p	20:1p	533.3845	C28 H56 O6 N1 P1	3.396	+H
*	LysoPC(20:1p)	LPC	20:1p	20:1p	533.3845	C28 H56 O6 N1 P1	5.702	+H
X	LysoPC(0:0/20:2)	LPC	20:02	20:2	547.3638	C28 H54 O7 N1 P1	2.65	+H
X	LysoPC(20:2/0:0)	LPC	20:02	20:2	547.3638	C28 H54 O7 N1 P1	2.859	+H
X	LysoPC(0:0/20:3)	LPC	20:03	20:3	545.3481	C28 H52 O7 N1 P1	2.093	+H
*	LysoPC(20:3/0:0)	LPC	20:03	20:3	545.3481	C28 H52 O7 N1 P1	2.257	+H
X	LysoPC(0:0/20:4)	LPC	20:04	20:4	543.3325	C28 H50 O7 N1 P1	1.792	+H
X	LysoPC(20:4/0:0)	LPC	20:04	20:4	543.3325	C28 H50 O7 N1 P1	1.905	+H
X	LysoPC(0:0/20:5)	LPC	20:05	20:5	541.3168	C28 H48 O7 N1 P1	1.457	+HCOO
*	LysoPC(20:5/0:0)	LPC	20:05	20:5	541.3168	C28 H48 O7 N1 P1	1.802	+H
X	LysoPC(21:0/0:0)	LPC	21:00	21:0	565.4107	C29 H60 O7 N1 P1	6.214	+H
X	LysoPC(21:0/0:0)	LPC	21:00	21:0	565.4107	C29 H60 O7 N1 P1	6.689	+H
X	LysoPC(0:0/22:0)	LPC	22:00	22:0	579.4264	C30 H62 O7 N1 P1	7.126	+H
X	LysoPC(22:0/0:0)	LPC	22:00	22:0	579.4264	C30 H62 O7 N1 P1	7.454	+H
*	LysoPC(0:0/22:4)	LPC	22:04	22:4	571.3638	C30 H54 O7 N1 P1	2.382	+H
*	LysoPC(22:4/0:0)	LPC	22:04	22:4	571.3638	C30 H54 O7 N1 P1	2.559	+H
*	LysoPC(0:0/22:4)	LPC	22:04	22:4	571.3638	C30 H54 O7 N1 P1	3.621	+H
*	LysoPC(22:4/0:0)	LPC	22:04	22:4	571.3638	C30 H54 O7 N1 P1	3.945	+H
X	LysoPC(22:5/0:0)	LPC	22:05	22:5	569.3481	C30 H52 O7 N1 P1	2.045	+H
X	LysoPC(0:0/22:5)	LPC	22:05	22:5	569.3481	C30 H52 O7 N1 P1	2.278	+H
*	LysoPC(22:5/0:0)	LPC	22:05	22:5	569.3481	C30 H52 O7 N1 P1	2.872	+H
*	LysoPC(22:5/0:0)	LPC	22:05	22:5	569.3481	C30 H52 O7 N1 P1	3.183	+H
X	LysoPC(22:6/0:0)	LPC	22:06	22:6	567.3325	C30 H50 O7 N1 P1	1.796	+H
*	LysoPC(22:6/0:0)	LPC	22:06	22:6	567.3325	C30 H50 O7 N1 P1	2.341	+H
*	LysoPC(0:0/23:0)	LPC	23:00	23:0	593.442	C31 H64 O7 N1 P1	7.929	+H
*	LysoPC(23:0/0:0)	LPC	23:00	23:0	593.442	C31 H64 O7 N1 P1	8.286	+H
X	LysoPC(0:0/24:0)	LPC	24:00:00	24:0	607.4577	C32 H66 O7 N1 P1	8.761	+H

X	LysoPC(24:0/0:0)	LPC	24:00:00	24:0	607.4577	C32 H66 O7 N1 P1	9.14	+H
X	LysoPC(0:0/24:1)	LPC	24:01:00	24:1	605.442	C32 H64 O7 N1 P1	7.058	+H
X	LysoPC(24:1/0:0)	LPC	24:01:00	24:1	605.442	C32 H64 O7 N1 P1	7.376	+H
*	LysoPC(0:0/25:0)	LPC	25:00:00	25:0	621.4733	C33 H68 O7 N1 P1	9.641	+H
X	LysoPC(25:0/0:0)	LPC	25:00:00	25:0	621.4733	C33 H68 O7 N1 P1	10.045	+H
*	LysoPE(15:0)	LPE	15:00	15:0	439.2699	C20 H42 O7 N1 P1	2.095	-H
*	LysoPE(16:0)	LPE	16:00	16:0	453.2855	C21 H44 O7 N1 P1	2.383	+H
X	LysoPE(16:0)	LPE	16:00	16:0	453.2855	C21 H44 O7 N1 P1	2.587	-H
*	LysoPE(16:0e)	LPE	16:0e	16:0e	439.3063	C21 H46 O6 N1 P1	3.132	-H
*	LysoPE(16:1)	LPE	16:01	16:1	451.2699	C21 H42 O7 N1 P1	1.869	-H
*	LysoPE(17:0)	LPE	17:00	17:0	467.3012	C22 H46 O7 N1 P1	2.962	-H
*	LysoPE(17:0)	LPE	17:00	17:0	467.3012	C22 H46 O7 N1 P1	3.215	+H
X	LysoPE(18:0)	LPE	18:00	18:0	481.3168	C23 H48 O7 N1 P1	3.679	+H
*	LysoPE(18:0)	LPE	18:00	18:0	481.3168	C23 H48 O7 N1 P1	3.999	+H
*	LysoPE(18:0e)	LPE	18:0e	18:0e	467.3376	C23 H50 O6 N1 P1	4.833	-H
*	LysoPE(18:1)	LPE	18:01	18:1	479.3012	C23 H46 O7 N1 P1	2.568	-H
*	LysoPE(18:1)	LPE	18:01	18:1	479.3012	C23 H46 O7 N1 P1	2.767	-H
*	LysoPE(18:2)	LPE	18:02	18:2	477.2855	C23 H44 O7 N1 P1	1.931	+H
X	LysoPE(18:2)	LPE	18:02	18:2	477.2855	C23 H44 O7 N1 P1	2.074	-H
*	LysoPE(18:3)	LPE	18:03	18:3	475.2699	C23 H42 O7 N1 P1	1.654	-H
*	LysoPE(20:0e)	LPE	20:0e	20:0e	495.3689	C25 H54 O6 N1 P1	6.861	-H
*	LysoPE(20:1)	LPE	20:01	20:1	507.3325	C25 H50 O7 N1 P1	4.124	-H
*	LysoPE(20:2)	LPE	20:02	20:2	505.3168	C25 H48 O7 N1 P1	3.014	-H
*	LysoPE(20:3)	LPE	20:03	20:3	503.3012	C25 H46 O7 N1 P1	2.352	-H
*	LysoPE(20:4)	LPE	20:04	20:4	501.2855	C25 H44 O7 N1 P1	1.861	-H
X	LysoPE(20:4)	LPE	20:04	20:4	501.2855	C25 H44 O7 N1 P1	2.008	-H
*	LysoPE(22:5)	LPE	22:05	22:5	527.3012	C27 H46 O7 N1 P1	2.1	-H
*	LysoPG(16:0)	LPG	16:0	16:0	484.2801	C22 H45 O9 N0 P1	2.314	-H
*	LysoPG(18:1)	LPG	18:1	18:1	510.2958	C24 H47 O9 N0 P1	2.465	-H
*	LysoPG(18:2)	LPG	18:2	18:2	508.2801	C24 H45 O9 N0 P1	1.734	-H

*	LysoPG(20:4)	LPG	20:4	20:4	532.2801	C26 H45 O9 N0 P1	1.801	-H
*	LysoPG(22:6)	LPG	22:6	22:6	556.2801	C28 H45 O9 N0 P1	1.713	-H
*	LysoPI(18:0)	LPI	18:0	18:0	600.3275	C27 H53 O12 N0 P1	3.238	-H
*	LysoPI(18:2)	LPI	18:2	18:2	596.2962	C27 H49 O12 N0 P1	1.599	-H
*	LysoPI(18:2)	LPI	18:2	18:2	596.2962	C27 H49 O12 N0 P1	1.744	-H
*	LysoPI(20:4)	LPI	20:4	20:4	620.2962	C29 H49 O12 N0 P1	1.693	-H
X	PC(14:0/18:2)	PC	14:0/18:2	32:2	729.5309	C40 H76 O8 N1 P1	9.42	+H
X	PC(14:0/22:6)	PC	14:0/22:6	36:6	777.5309	C44 H76 O8 N1 P1	8.891	+H
*	PC(15:0/16:0)	PC	15:0/16:0	31:0	719.5465	C39 H78 O8 N1 P1	11.216	+H
X	PC(15:0/18:1)	PC	15:0/18:1	33:1	745.5622	C41 H80 O8 N1 P1	11.365	+H
*	PC(15:0/18:2)	PC	15:0/18:2	33:2	743.5465	C41 H78 O8 N1 P1	10.182	+H
X	PC(15:0/20:2)	PC	15:0/20:2	35:2	771.5778	C43 H82 O8 N1 P1	14.389	+H
X	PC(15:0/20:3)	PC	15:0/20:3	35:3	769.5622	C43 H80 O8 N1 P1	13.443	+H
*	PC(15:0/20:4)	PC	15:0/20:4	35:4	767.5465	C43 H78 O8 N1 P1	10.016	+HCOO
X	PC(15:0/22:5)	PC	15:0/22:5	37:5	793.5622	C45 H80 O8 N1 P1	10.081	+H
X	PC(15:0/22:6)	PC	15:0/22:6	37:6	791.5465	C45 H78 O8 N1 P1	9.63	+H
*	PC(16:0/14:0)	PC	16:0/14:0	30:0	705.5309	C38 H76 O8 N1 P1	10.445	+H
X	PC(16:0/16:0)	PC	16:0/16:0	32:0	733.5622	C40 H80 O8 N1 P1	11.733	+H
X	PC(16:0/16:0)	PC	16:0/16:0	32:0	733.5622	C40 H80 O8 N1 P1	11.997	+H
X	PC(16:0/17:0)	PC	16:0/17:0	33:0	747.5778	C41 H82 O8 N1 P1	12.811	+H
*	PC(16:0/18:1)	PC	16:0/18:1	34:1	759.5778	C42 H82 O8 N1 P1	11.941	+HCOO
X	PC(16:0/18:1)	PC	16:0/18:1	34:1	759.5778	C42 H82 O8 N1 P1	12.119	+H
X	PC(16:0/18:2)	PC	16:0/18:2	34:2	757.5622	C42 H80 O8 N1 P1	10.967	+H
X	PC(16:0/20:2)	PC	16:0/20:2	36:2	785.5935	C44 H84 O8 N1 P1	12.258	+H
*	PC(16:0/20:3)	PC	16:0/20:3	36:3	783.5778	C44 H82 O8 N1 P1	11.363	+H
X	PC(16:0/20:3)	PC	16:0/20:3	36:3	783.5778	C44 H82 O8 N1 P1	11.558	+H
X	PC(16:0/20:4)	PC	16:0/20:4	36:4	781.5622	C44 H80 O8 N1 P1	10.746	+H
*	PC(16:0/20:5)	PC	16:0/20:5	36:5	779.5465	C44 H78 O8 N1 P1	10.373	+H
X	PC(16:0/22:4)	PC	16:0/22:4	38:4	809.5935	C46 H84 O8 N1 P1	11.803	+H
*	PC(16:0/22:4)	PC	16:0/22:4	38:4	809.5935	C46 H84 O8 N1 P1	19.577	+H

*	PC(16:0/22:5)	PC	16:0/22:5	38:5	807.5778	C46 H82 O8 N1 P1	10.842	+H
X	PC(16:0/22:5)	PC	16:0/22:5	38:5	807.5778	C46 H82 O8 N1 P1	11.367	+H
X	PC(16:0/22:6)	PC	16:0/22:6	38:6	805.5622	C46 H80 O8 N1 P1	10.4	+H
*	PC(16:0e/16:0)	PC	16:0e/16:0	32:0e	719.5829	C40 H82 O7 N1 P1	12.997	+H
*	PC(16:0e/18:1)	PC	16:0e/18:1	34:1e	745.5985	C42 H84 O7 N1 P1	13.053	+H
*	PC(16:0e/18:2)	PC	16:0e/18:2	34:2e	743.5829	C42 H82 O7 N1 P1	11.81	+H
*	PC(16:0e/18:2)	PC	16:0e/18:2	34:2e	743.5829	C42 H82 O7 N1 P1	11.987	+H
X	PC(16:0e/20:4)	PC	16:0e/20:4	36:4e	767.5829	C44 H82 O7 N1 P1	11.801	+H
X	PC(16:0e/22:4)	PC	16:0e/22:4	38:4e	795.6142	C46 H86 O7 N1 P1	12.803	+H
X	PC(16:0p/16:0)	PC	16:0p/16:0	32:0p	717.5672	C40 H80 O7 N1 P1	12.817	+HCOO
X	PC(16:0p/18:2)	PC	16:0p/18:2	34:2p	741.5672	C42 H80 O7 N1 P1	11.763	+H
X	PC(16:1/18:1)	PC	16:1/18:1	34:2	757.5622	C42 H80 O8 N1 P1	10.802	+H
X	PC(16:1/18:2)	PC	16:1/18:2	34:3	755.5465	C42 H78 O8 N1 P1	9.599	+H
X	PC(16:1/18:2)	PC	16:1/18:2	34:3	755.5465	C42 H78 O8 N1 P1	9.758	+HCOO
X	PC(16:1/18:2)	PC	16:1/18:2	34:3	755.5465	C42 H78 O8 N1 P1	10.054	+H
X	PC(16:1/20:4)	PC	16:1/20:4	36:5	779.5465	C44 H78 O8 N1 P1	9.461	+H
*	PC(16:1/20:5)	PC	16:1/20:5	36:6	777.5309	C44 H76 O8 N1 P1	8.643	+HCOO
X	PC(16:2/18:2)	PC	16:2/18:2	34:4	753.5309	C42 H76 O8 N1 P1	8.724	+H
X	PC(16:2/18:2)	PC	16:2/18:2	34:4	753.5309	C42 H76 O8 N1 P1	9.232	+H
X	PC(17:0/18:1)	PC	17:0/18:1	35:1	773.5935	C43 H84 O8 N1 P1	13.001	+H
X	PC(17:0/18:2)	PC	17:0/18:2	35:2	771.5778	C43 H82 O8 N1 P1	11.385	+H
X	PC(17:0/18:2)	PC	17:0/18:2	35:2	771.5778	C43 H82 O8 N1 P1	11.587	+H
X	PC(17:0/18:2)	PC	17:0/18:2	35:2	771.5778	C43 H82 O8 N1 P1	11.764	+H
X	PC(17:0/20:3)	PC	17:0/20:3	37:3	797.5935	C45 H84 O8 N1 P1	12.238	+H
X	PC(17:0/20:4)	PC	17:0/20:4	37:4	795.5778	C45 H82 O8 N1 P1	11.561	+H
X	PC(17:0/22:5)	PC	17:0/22:5	39:5	821.5935	C47 H84 O8 N1 P1	12.247	+H
X	PC(17:0/22:6)	PC	17:0/22:6	39:6	819.5778	C47 H82 O8 N1 P1	10.941	+H
X	PC(17:0/22:6)	PC	17:0/22:6	39:6	819.5778	C47 H82 O8 N1 P1	11.189	+H
X	PC(18:0/16:0)	PC	18:0/16:0	34:0	761.5935	C42 H84 O8 N1 P1	13.398	+H
X	PC(18:0/16:0)	PC	18:0/16:0	34:0	761.5935	C42 H84 O8 N1 P1	13.572	+H

X	PC(18:0/17:0)	PC	18:0/17:0	35:0	775.6091	C43 H86 O8 N1 P1	14.410	+H
X	PC(18:0/18:0)	PC	18:0/18:0	36:0	789.6248	C44 H88 O8 N1 P1	15.055	+H
X	PC(18:0/18:1)	PC	18:0/18:1	36:1	787.6091	C44 H86 O8 N1 P1	13.692	+H
X	PC(18:0/18:2)	PC	18:0/18:2	36:2	785.5935	C44 H84 O8 N1 P1	12.562	+H
*	PC(18:0/20:2)	PC	18:0/20:2	38:2	813.6248	C46 H88 O8 N1 P1	13.887	+H
X	PC(18:0/20:3)	PC	18:0/20:3	38:3	811.6091	C46 H86 O8 N1 P1	12.95	+H
X	PC(18:0/20:3)	PC	18:0/20:3	38:3	811.6091	C46 H86 O8 N1 P1	13.128	+H
X	PC(18:0/20:4)	PC	18:0/20:4	38:4	809.5935	C46 H84 O8 N1 P1	12.076	+H
X	PC(18:0/20:4)	PC	18:0/20:4	38:4	809.5935	C46 H84 O8 N1 P1	12.341	+H
X	PC(18:0/22:4)	PC	18:0/22:4	40:4	837.6248	C48 H88 O8 N1 P1	13.461	+H
*	PC(18:0/22:5)	PC	18:0/22:5	40:5	835.6091	C48 H86 O8 N1 P1	12.428	+H
X	PC(18:0/22:5)	PC	18:0/22:5	40:5	835.6091	C48 H86 O8 N1 P1	12.933	+H
X	PC(18:0/22:6)	PC	18:0/22:6	40:6	833.5935	C48 H84 O8 N1 P1	11.951	+H
*	PC(18:0/22:6)	PC	18:0/22:6	40:6	833.5935	C48 H84 O8 N1 P1	12.989	+H
*	PC(18:0/22:6)	PC	18:0/22:6	40:6	833.5935	C48 H84 O8 N1 P1	13.455	+H
X	PC(18:0e/16:0)	PC	18:0e/16:0	34:0e	747.6142	C42 H86 O7 N1 P1	14.591	+H
X	PC(18:0p/16:0)	PC	18:0p/16:0	34:0p	745.5985	C42 H84 O7 N1 P1	13.085	+HCOO
X	PC(18:0p/16:0)	PC	18:0p/16:0	34:0p	745.5985	C42 H84 O7 N1 P1	13.132	+HCOO
X	PC(18:0p/18:2)	PC	18:0p/18:2	36:2p	769.5985	C44 H84 O7 N1 P1	11.994	+H
X	PC(18:0p/20:4)	PC	18:0p/20:4	38:4p	793.5985	C46 H84 O7 N1 P1	11.852	+H
X	PC(18:0p/22:6)	PC	18:0p/22:6	40:6p	817.5985	C48 H84 O7 N1 P1	11.451	+H
X	PC(18:0p/22:6)	PC	18:0p/22:6	40:6p	817.5985	C48 H84 O7 N1 P1	12.734	+H
X	PC(18:1/14:0)	PC	18:1/14:0	32:1	731.5465	C40 H78 O8 N1 P1	10.618	+H
X	PC(18:1/18:1)	PC	18:1/18:1	36:2	785.5935	C44 H84 O8 N1 P1	12.358	+H
*	PC(18:1/18:2)	PC	18:1/18:2	36:3	783.5778	C44 H82 O8 N1 P1	11.093	+H
*	PC(18:1/20:3)	PC	18:1/20:3	38:4	809.5935	C46 H84 O8 N1 P1	11.479	+H
X	PC(18:1/20:4)	PC	18:1/20:4	38:5	807.5778	C46 H82 O8 N1 P1	11.129	+H
*	PC(18:1/22:0)	PC	18:1/22:0	40:1	843.6717	C48 H94 O8 N1 P1	16.494	+H
X	PC(18:1/22:6)	PC	18:1/22:6	40:7	831.5778	C48 H82 O8 N1 P1	10.803	+H
X	PC(18:1/24:0)	PC	18:1/24:0	42:1	871.703	C50 H98 O8 N1 P1	17.497	+H

X	PC(18:2/18:2)	PC	18:2/18:2	36:4	781.5622	C44 H80 O8 N1 P1	10.844	+H
X	PC(18:2/18:2)	PC	18:2/18:2	36:4	781.5622	C44 H80 O8 N1 P1	9.92	+H
X	PC(18:2/20:4)	PC	18:2/20:4	38:6	805.5622	C46 H80 O8 N1 P1	9.715	+H
*	PC(18:2/21:0)	PC	18:2/21:0	39:2	827.6404	C47 H90 O8 N1 P1	14.893	+H
X	PC(18:2/22:6)	PC	18:2/22:6	40:8	829.5622	C48 H80 O8 N1 P1	9.416	+H
X	PC(18:2/23:0)	PC	18:2/23:0	41:2	855.6717	C49 H94 O8 N1 P1	16.304	+H
X	PC(18:2p/18:2)	PC	18:2p/18:2	36:4p	765.5672	C44 H80 O7 N1 P1	10.656	+H
*	PC(18:3/18:2)	PC	18:3/18:2	36:5	779.5465	C44 H78 O8 N1 P1	8.957	+H
X	PC(19:0/18:2)	PC	19:0/18:2	37:2	799.6091	C45 H86 O8 N1 P1	13.445	+H
X	PC(19:0/20:4)	PC	19:0/20:4	39:4	823.6091	C47 H86 O8 N1 P1	13.237	+HCOO
X	PC(19:0/22:6)	PC	19:0/22:6	41:6	847.6091	C49 H86 O8 N1 P1	12.521	+H
*	PC(20:0/18:2)	PC	20:0/18:2	38:2	813.6248	C46 H88 O8 N1 P1	14.142	+H
X	PC(20:0/20:4)	PC	20:0/20:4	40:4	837.6248	C48 H88 O8 N1 P1	14.004	+H
X	PC(20:0/22:6)	PC	20:0/22:6	42:6	861.6248	C50 H88 O8 N1 P1	13.647	+HCOO
X	PC(20:0e/16:0)	PC	20:0e/16:0	36:0e	775.6455	C44 H90 O7 N1 P1	16.059	+H
*	PC(20:0e/18:1)	PC	20:0e/18:1	38:1e	801.6611	C46 H92 O7 N1 P1	16.118	+H
X	PC(20:0e/18:2)	PC	20:0e/18:2	38:2e	799.6455	C46 H90 O7 N1 P1	15.102	+H
*	PC(20:1/18:1)	PC	20:1/18:1	38:2	813.6248	C46 H88 O8 N1 P1	13.651	+H
X	PC(20:1/18:2)	PC	20:1/18:2	38:3	811.6091	C46 H86 O8 N1 P1	12.501	+H
X	PC(20:1/22:6)	PC	20:1/22:6	42:7	859.6091	C50 H86 O8 N1 P1	11.919	+H
X	PC(20:2/18:2)	PC	20:2/18:2	38:4	809.5935	C46 H84 O8 N1 P1	11.292	+H
X	PC(20:2/20:3)	PC	20:2/20:3	40:5	835.6091	C48 H86 O8 N1 P1	11.695	+H
X	PC(20:2/22:5)	PC	20:2/22:5	42:7	859.6091	C50 H86 O8 N1 P1	11.191	+H
X	PC(20:2/22:6)	PC	20:2/22:6	42:8	857.5935	C50 H84 O8 N1 P1	10.701	+H
X	PC(20:3/18:2)	PC	20:3/18:2	38:5	807.5778	C46 H82 O8 N1 P1	10.334	+H
*	PC(20:3/21:0)	PC	20:3/21:0	41:3	853.6561	C49 H92 O8 N1 P1	16.936	+H
X	PC(20:3/22:5)	PC	20:3/22:5	42:8	857.5935	C50 H84 O8 N1 P1	10.604	+H
X	PC(20:4/22:6)	PC	20:4/22:6	42:10	853.5622	C50 H80 O8 N1 P1	9.157	+H
X	PC(22:0/18:2)	PC	22:0/18:2	40:2	841.6561	C48 H92 O8 N1 P1	15.622	+H
X	PC(22:0/20:4)	PC	22:0/20:4	42:4	865.6561	C50 H92 O8 N1 P1	15.491	+H

X	PC(22:5/18:2)	PC	22:5/18:2	40:7	831.5778	C48 H82 O8 N1 P1	10.308	+H
X	PC(24:0/18:2)	PC	24:0/18:2	42:2	869.6874	C50 H96 O8 N1 P1	16.808	+H
X	PC(24:0/20:4)	PC	24:0/20:4	44:4	893.6874	C52 H96 O8 N1 P1	16.675	+H
X	PC(24:1/18:2)	PC	24:1/18:2	42:3	867.6717	C50 H94 O8 N1 P1	15.443	+H
X	PE(15:0/18:2)	PE	15:0/18:2	33:2	701.4996	C38 H72 O8 N1 P1	10.566	+H
*	PE(15:0/22:6)	PE	15:0/22:6	37:6	749.4996	C42 H72 O8 N1 P1	9.986	-H
*	PE(16:0/16:0)	PE	16:0/16:0	32:0	691.5152	C37 H74 O8 N1 P1	10.92	+H
X	PE(16:0/16:0)	PE	16:0/16:0	32:0	691.5152	C37 H74 O8 N1 P1	12.414	+H
X	PE(16:0/18:1)	PE	16:0/18:1	34:1	717.5309	C39 H76 O8 N1 P1	12.529	+H
*	PE(16:0/18:2)	PE	16:0/18:2	34:2	715.5152	C39 H74 O8 N1 P1	9.959	-H
X	PE(16:0/18:2)	PE	16:0/18:2	34:2	715.5152	C39 H74 O8 N1 P1	11.367	+H
X	PE(16:0/18:3)	PE	16:0/18:3	34:3	713.4996	C39 H72 O8 N1 P1	10.358	+H
*	PE(16:0/20:4)	PE	16:0/20:4	36:4	739.5152	C41 H74 O8 N1 P1	9.772	-H
*	PE(16:0/20:4)	PE	16:0/20:4	36:4	739.5152	C41 H74 O8 N1 P1	11.156	+H
X	PE(16:0/20:4)	PE	16:0/20:4	36:4	739.5152	C41 H74 O8 N1 P1	11.268	+H
*	PE(16:0/22:4)	PE	16:0/22:4	38:4	767.5465	C43 H78 O8 N1 P1	12.218	+H
*	PE(16:0/22:5)	PE	16:0/22:5	38:5	765.5309	C43 H76 O8 N1 P1	11.253	+H
*	PE(16:0/22:5)	PE	16:0/22:5	38:5	765.5309	C43 H76 O8 N1 P1	11.767	-H
*	PE(16:0/22:6)	PE	16:0/22:6	38:6	763.5152	C43 H74 O8 N1 P1	9.422	-H
X	PE(16:0/22:6)	PE	16:0/22:6	38:6	763.5152	C43 H74 O8 N1 P1	10.78	+H
*	PE(16:0e/16:0)	PE	16:0e/16:0	32:0e	677.5359	C37 H76 O7 N1 P1	13.462	-H
*	PE(16:0e/22:4)	PE	16:0e/22:4	38:4e	753.5672	C43 H80 O7 N1 P1	13.232	-H
*	PE(16:0e/22:6)	PE	16:0e/22:6	38:6e	749.5359	C43 H76 O7 N1 P1	11.753	-H
*	PE(16:0p/16:0)	PE	16:0p/16:0	32:0p	675.5203	C37 H74 O7 N1 P1	13.247	+H
*	PE(16:0p/18:0)	PE	16:0p/18:0	34:0p	703.5516	C39 H78 O7 N1 P1	13.523	+H
X	PE(16:0p/18:2)	PE	16:0p/18:2	34:2p	699.5203	C39 H74 O7 N1 P1	12.366	+H
*	PE(16:0p/18:3)	PE	16:0p/18:3	34:3p	697.5046	C39 H72 O7 N1 P1	11.119	+H
X	PE(16:0p/20:3)	PE	16:0p/20:3	36:3p	725.5359	C41 H76 O7 N1 P1	12.538	-H
X	PE(16:0p/20:4)	PE	16:0p/20:4	36:4p	723.5203	C41 H74 O7 N1 P1	11.893	+H
*	PE(16:0p/20:5)	PE	16:0p/20:5	36:5p	721.5046	C41 H72 O7 N1 P1	10.894	+H

X	PE(16:0p/22:4)	PE	16:0p/22:4	38:4p	751.5516	C43 H78 O7 N1 P1	12.978	+H
X	PE(16:0p/22:5)	PE	16:0p/22:5	38:5p	749.5359	C43 H76 O7 N1 P1	12.492	-H
X	PE(16:0p/22:6)	PE	16:0p/22:6	38:6p	747.5203	C43 H74 O7 N1 P1	11.489	+H
X	PE(17:0/18:2)	PE	17:0/18:2	35:2	729.5309	C40 H76 O8 N1 P1	12.17	+H
X	PE(17:0/20:4)	PE	17:0/20:4	37:4	753.5309	C42 H76 O8 N1 P1	11.957	-H
X	PE(18:0/16:0)	PE	18:0/16:0	34:0	719.5465	C39 H78 O8 N1 P1	13.974	+H
X	PE(18:0/18:1)	PE	18:0/18:1	36:1	745.5622	C41 H80 O8 N1 P1	14.099	-H
X	PE(18:0/18:2)	PE	18:0/18:2	36:2	743.5465	C41 H78 O8 N1 P1	12.97	+H
*	PE(18:0/18:3)	PE	18:0/18:3	36:3	741.5309	C41 H76 O8 N1 P1	11.969	+H
*	PE(18:0/20:2)	PE	18:0/20:2	38:2	771.5778	C43 H82 O8 N1 P1	14.282	+H
X	PE(18:0/20:3)	PE	18:0/20:3	38:3	769.5622	C43 H80 O8 N1 P1	13.352	+H
*	PE(18:0/20:3)	PE	18:0/20:3	38:3	769.5622	C43 H80 O8 N1 P1	13.508	+H
X	PE(18:0/20:4)	PE	18:0/20:4	38:4	767.5465	C43 H78 O8 N1 P1	12.753	+H
X	PE(18:0/22:4)	PE	18:0/22:4	40:4	795.5778	C45 H82 O8 N1 P1	13.776	+H
*	PE(18:0/22:5)	PE	18:0/22:5	40:5	793.5622	C45 H80 O8 N1 P1	13.328	+H
X	PE(18:0/22:6)	PE	18:0/22:6	40:6	791.5465	C45 H78 O8 N1 P1	12.373	-H
*	PE(18:0e/16:0)	PE	18:0e/16:0	34:0e	705.5672	C39 H80 O7 N1 P1	15.008	-H
*	PE(18:0e/18:1)	PE	18:0e/18:1	36:1e	731.5829	C41 H82 O7 N1 P1	15.117	-H
*	PE(18:0e/20:3)	PE	18:0e/20:3	38:3e	755.5829	C43 H82 O7 N1 P1	14.36	-H
*	PE(18:0e/20:4)	PE	18:0e/20:4	38:4e	753.5672	C43 H80 O7 N1 P1	13.767	-H
*	PE(18:0e/22:5)	PE	18:0e/22:5	40:5e	779.5829	C45 H82 O7 N1 P1	13.824	-H
*	PE(18:0e/22:6)	PE	18:0e/22:6	40:6e	777.5672	C45 H80 O7 N1 P1	13.368	-H
X	PE(18:0p/16:0)	PE	18:0p/16:0	34:0p	703.5516	C39 H78 O7 N1 P1	14.785	+H
*	PE(18:0p/18:1)	PE	18:0p/18:1	36:1p	729.5672	C41 H80 O7 N1 P1	14.873	+H
X	PE(18:0p/18:2)	PE	18:0p/18:2	36:2p	727.5516	C41 H78 O7 N1 P1	13.741	+H
*	PE(18:0p/18:3)	PE	18:0p/18:3	36:3p	725.5359	C41 H76 O7 N1 P1	12.731	+H
*	PE(18:0p/20:1)	PE	18:0p/20:1	38:1p	757.5985	C43 H84 O7 N1 P1	16.099	+H
*	PE(18:0p/20:3)	PE	18:0p/20:3	38:3p	753.5672	C43 H80 O7 N1 P1	14.097	+H
X	PE(18:0p/20:3)	PE	18:0p/20:3	38:3p	753.5672	C43 H80 O7 N1 P1	14.277	+H
*	PE(18:0p/20:4)	PE	18:0p/20:4	38:4p	751.5516	C43 H78 O7 N1 P1	12.223	-H

X	PE(18:0p/20:4)	PE	18:0p/20:4	38:4p	751.5516	C43 H78 O7 N1 P1	13.49	+H
*	PE(18:0p/22:4)	PE	18:0p/22:4	40:4p	779.5829	C45 H82 O7 N1 P1	13.273	-H
*	PE(18:0p/22:4)	PE	18:0p/22:4	40:4p	779.5829	C45 H82 O7 N1 P1	14.361	+H
*	PE(18:0p/22:4)	PE	18:0p/22:4	40:4p	779.5829	C45 H82 O7 N1 P1	14.509	+H
X	PE(18:0p/22:5)	PE	18:0p/22:5	40:5p	777.5672	C45 H80 O7 N1 P1	13.556	+H
*	PE(18:0p/22:5)	PE	18:0p/22:5	40:5p	777.5672	C45 H80 O7 N1 P1	14.049	+H
X	PE(18:0p/22:6)	PE	18:0p/22:6	40:6p	775.5516	C45 H78 O7 N1 P1	13.088	+H
X	PE(18:1/18:1)	PE	18:1/18:1	36:2	743.5465	C41 H78 O8 N1 P1	12.664	+H
X	PE(18:1/18:2)	PE	18:1/18:2	36:3	741.5309	C41 H76 O8 N1 P1	11.483	+H
*	PE(18:1/18:2)	PE	18:1/18:2	36:3	741.5309	C41 H76 O8 N1 P1	11.73	+H
*	PE(18:1/18:3)	PE	18:1/18:3	36:4	739.5152	C41 H74 O8 N1 P1	10.475	+H
X	PE(18:1/20:4)	PE	18:1/20:4	38:5	765.5309	C43 H76 O8 N1 P1	11.077	-H
*	PE(18:1/22:0)	PE	18:1/22:0	40:1	801.6248	C45 H88 O8 N1 P1	16.754	+H
X	PE(18:1/22:6)	PE	18:1/22:6	40:7	789.5309	C45 H76 O8 N1 P1	10.887	+H
*	PE(18:1/24:0)	PE	18:1/24:0	42:1	829.6561	C47 H92 O8 N1 P1	17.672	+H
X	PE(18:1p/16:0)	PE	18:1p/16:0	34:1p	701.5359	C39 H76 O7 N1 P1	13.338	+H
X	PE(18:1p/18:1)	PE	18:1p/18:1	36:2p	727.5516	C41 H78 O7 N1 P1	13.423	+H
X	PE(18:1p/18:2)	PE	18:1p/18:2	36:3p	725.5359	C41 H76 O7 N1 P1	12.171	+H
*	PE(18:1p/20:4)	PE	18:1p/20:4	38:5p	749.5359	C43 H76 O7 N1 P1	10.981	-H
X	PE(18:1p/20:4)	PE	18:1p/20:4	38:5p	749.5359	C43 H76 O7 N1 P1	11.975	-H
*	PE(18:1p/20:5)	PE	18:1p/20:5	38:6p	747.5203	C43 H74 O7 N1 P1	10.995	+H
X	PE(18:1p/22:4)	PE	18:1p/22:4	40:5p	777.5672	C45 H80 O7 N1 P1	13.062	-H
*	PE(18:1p/22:5)	PE	18:1p/22:5	40:6p	775.5516	C45 H78 O7 N1 P1	12.064	+H
*	PE(18:1p/22:5)	PE	18:1p/22:5	40:6p	775.5516	C45 H78 O7 N1 P1	12.205	-H
*	PE(18:1p/22:5)	PE	18:1p/22:5	40:6p	775.5516	C45 H78 O7 N1 P1	12.579	+H
X	PE(18:1p/22:6)	PE	18:1p/22:6	40:7p	773.5359	C45 H76 O7 N1 P1	11.585	+H
X	PE(18:2/18:2)	PE	18:2/18:2	36:4	739.5152	C41 H74 O8 N1 P1	10.289	+H
X	PE(18:2/20:4)	PE	18:2/20:4	38:6	763.5152	C43 H74 O8 N1 P1	10.073	+H
*	PE(18:2/22:6)	PE	18:2/22:6	40:8	787.5152	C45 H74 O8 N1 P1	9.771	+H
*	PE(18:2p/16:0)	PE	18:2p/16:0	34:2p	699.5203	C39 H74 O7 N1 P1	12.148	+H

X	PE(18:2p/20:4)	PE	18:2p/20:4	38:6p	747.5203	C43 H74 O7 N1 P1	10.786	+H
*	PE(18:2p/22:4)	PE	18:2p/22:4	40:6p	775.5516	C45 H78 O7 N1 P1	11.877	+H
*	PE(18:2p/22:5)	PE	18:2p/22:5	40:7p	773.5359	C45 H76 O7 N1 P1	10.882	+H
*	PE(18:2p/22:6)	PE	18:2p/22:6	40:8p	771.5203	C45 H74 O7 N1 P1	10.39	+H
X	PE(18:3/18:2)	PE	18:3/18:2	36:5	737.4996	C41 H72 O8 N1 P1	9.296	-H
*	PE(19:0/18:2)	PE	19:0/18:2	37:2	757.5622	C42 H80 O8 N1 P1	13.431	+H
*	PE(19:0/20:4)	PE	19:0/20:4	39:4	781.5622	C44 H80 O8 N1 P1	13.519	+H
*	PE(20:0/18:2)	PE	20:0/18:2	38:2	771.5778	C43 H82 O8 N1 P1	14.515	+H
*	PE(20:0/20:4)	PE	20:0/20:4	40:4	795.5778	C45 H82 O8 N1 P1	14.301	+H
*	PE(20:0e/20:4)	PE	20:0e/20:4	40:4e	781.5985	C45 H84 O7 N1 P1	15.284	-H
*	PE(20:0e/22:5)	PE	20:0e/22:5	42:5e	807.6142	C47 H86 O7 N1 P1	15.781	-H
*	PE(20:0e/22:6)	PE	20:0e/22:6	42:6e	805.5985	C47 H84 O7 N1 P1	14.901	-H
X	PE(20:0p/16:0)	PE	20:0p/16:0	36:0p	731.5829	C41 H82 O7 N1 P1	16.169	+H
*	PE(20:0p/18:1)	PE	20:0p/18:1	38:1p	757.5985	C43 H84 O7 N1 P1	16.228	+H
X	PE(20:0p/18:2)	PE	20:0p/18:2	38:2p	755.5829	C43 H82 O7 N1 P1	15.265	+H
*	PE(20:0p/20:1)	PE	20:0p/20:1	40:1p	785.6298	C45 H88 O7 N1 P1	17.265	+H
*	PE(20:0p/20:2)	PE	20:0p/20:2	40:2p	783.6142	C45 H86 O7 N1 P1	16.261	+H
*	PE(20:0p/20:2)	PE	20:0p/20:2	40:2p	783.6142	C45 H86 O7 N1 P1	16.547	+H
*	PE(20:0p/20:3)	PE	20:0p/20:3	40:3p	781.5985	C45 H84 O7 N1 P1	15.573	+H
X	PE(20:0p/20:4)	PE	20:0p/20:4	40:4p	779.5829	C45 H82 O7 N1 P1	15.016	+H
*	PE(20:0p/22:4)	PE	20:0p/22:4	42:4p	807.6142	C47 H86 O7 N1 P1	15.924	-H
X	PE(20:0p/22:5)	PE	20:0p/22:5	42:5p	805.5985	C47 H84 O7 N1 P1	15.062	+H
*	PE(20:0p/22:5)	PE	20:0p/22:5	42:5p	805.5985	C47 H84 O7 N1 P1	15.525	+H
X	PE(20:0p/22:6)	PE	20:0p/22:6	42:6p	803.5829	C47 H82 O7 N1 P1	14.634	+H
*	PE(20:0p/22:6)	PE	20:0p/22:6	42:6p	803.5829	C47 H82 O7 N1 P1	14.748	+H
*	PE(20:1/18:2)	PE	20:1/18:2	38:3	769.5622	C43 H80 O8 N1 P1	12.917	-H
*	PE(20:1/20:4)	PE	20:1/20:4	40:5	793.5622	C45 H80 O8 N1 P1	12.816	+H
*	PE(20:1p/18:2)	PE	20:1p/18:2	38:3p	753.5672	C43 H80 O7 N1 P1	13.624	+H
*	PE(20:1p/20:4)	PE	20:1p/20:4	40:5p	777.5672	C45 H80 O7 N1 P1	13.366	+H
*	PE(20:1p/22:4)	PE	20:1p/22:4	42:5p	805.5985	C47 H84 O7 N1 P1	14.467	+H

*	PE(20:1p/22:6)	PE	20:1p/22:6	42:7p	801.5672	C47 H80 O7 N1 P1	13.039	+H
X	PE(20:2/18:2)	PE	20:2/18:2	38:4	767.5465	C43 H78 O8 N1 P1	11.698	-H
*	PE(20:2/20:4)	PE	20:2/20:4	40:6	791.5465	C45 H78 O8 N1 P1	11.481	+H
*	PE(20:3/18:2)	PE	20:3/18:2	38:5	765.5309	C43 H76 O8 N1 P1	10.674	-H
*	PE(22:0/18:2)	PE	22:0/18:2	40:2	799.6091	C45 H86 O8 N1 P1	15.936	+H
*	PE(24:0/18:2)	PE	24:0/18:2	42:2	827.6404	C47 H90 O8 N1 P1	17.042	+H
*	PE(24:0/20:4)	PE	24:0/20:4	44:4	851.6404	C49 H90 O8 N1 P1	16.889	+H
*	PI(15:0,18:2)	PI	15:0/18:2	33:2	820.5102	C42 H77 O13 N0 P1	9.371	-H
*	PI(15:0,20:4)	PI	15:0/20:4	35:4	844.5102	C44 H77 O13 N0 P1	9.216	-H
X	PI(16:0,16:0)	PI	16:0/16:0	32:0	810.5258	C41 H79 O13 N0 P1	11.108	-H
X	PI(16:0,18:1)	PI	16:0/18:1	34:1	836.5415	C43 H81 O13 N0 P1	11.266	-H
X	PI(16:0,18:2)	PI	16:0/18:2	34:2	834.5258	C43 H79 O13 N0 P1	10.118	-H
*	PI(16:0,18:3)	PI	16:0/18:3	34:3	832.5102	C43 H77 O13 N0 P1	9.413	-H
*	PI(16:0,20:3)	PI	16:0/20:3	36:3	860.5415	C45 H81 O13 N0 P1	10.721	-H
X	PI(16:0,20:4)	PI	16:0/20:4	36:4	858.5258	C45 H79 O13 N0 P1	9.949	-H
*	PI(16:0,20:5)	PI	16:0/20:5	36:5	856.5102	C45 H77 O13 N0 P1	9.044	-H
*	PI(16:0,22:5)	PI	16:0/22:5	38:5	884.5415	C47 H81 O13 N0 P1	10.574	-H
X	PI(16:0,22:6)	PI	16:0/22:6	38:6	882.5258	C47 H79 O13 N0 P1	9.623	-H
*	PI(17:0,18:2)	PI	17:0/18:2	35:2	848.5415	C44 H81 O13 N0 P1	10.905	-H
*	PI(17:0,20:3)	PI	17:0/20:3	37:3	874.5571	C46 H83 O13 N0 P1	11.281	-H
*	PI(17:0,20:4)	PI	17:0/20:4	37:4	872.5415	C46 H81 O13 N0 P1	10.738	-H
*	PI(17:0,22:6)	PI	17:0/22:6	39:6	896.5415	C48 H81 O13 N0 P1	10.376	-H
X	PI(18:0,18:2)	PI	18:0/18:2	36:2	862.5571	C45 H83 O13 N0 P1	11.672	-H
*	PI(18:0,18:3)	PI	18:0/18:3	36:3	860.5415	C45 H81 O13 N0 P1	10.959	-H
X	PI(18:0,20:2)	PI	18:0/20:2	38:2	890.5884	C47 H87 O13 N0 P1	12.983	-H
X	PI(18:0,20:3)	PI	18:0/20:3	38:3	888.5728	C47 H85 O13 N0 P1	12.079	-H
*	PI(18:0,20:3)	PI	18:0/20:3	38:3	888.5728	C47 H85 O13 N0 P1	12.582	-H
X	PI(18:0,20:4)	PI	18:0/20:4	38:4	886.5571	C47 H83 O13 N0 P1	11.474	-H
X	PI(18:0,20:5)	PI	18:0/20:5	38:5	884.5415	C47 H81 O13 N0 P1	11.15	-H
X	PI(18:0,22:4)	PI	18:0/22:4	40:4	914.5884	C49 H87 O13 N0 P1	12.524	-H

*	PI(18:0,22:5)	PI	18:0/22:5	40:5	912.5728	C49 H85 O13 N0 P1	11.561	-H
*	PI(18:0,22:5)	PI	18:0/22:5	40:5	912.5728	C49 H85 O13 N0 P1	12.097	-H
X	PI(18:0,22:6)	PI	18:0/22:6	40:6	910.5571	C49 H83 O13 N0 P1	11.15	-H
*	PI(18:0p,20:4)	PI	18:0p/20:4	38:4p	870.5622	C47 H83 O12 N0 P1	10.868	-H
X	PI(18:1,18:1)	PI	18:1/18:1	36:2	862.5571	C45 H83 O13 N0 P1	11.372	-H
X	PI(18:1,18:2)	PI	18:1/18:2	36:3	860.5415	C45 H81 O13 N0 P1	10.257	-H
*	PI(18:1,18:2)	PI	18:1/18:2	36:3	860.5415	C45 H81 O13 N0 P1	10.522	-H
X	PI(18:1,20:4)	PI	18:1/20:4	38:5	884.5415	C47 H81 O13 N0 P1	10.065	-H
*	PI(18:1,20:4)	PI	18:1/20:4	38:05	884.5415	C47 H81 O13 N0 P1	10.32	-H
*	PI(18:1,20:4)	PI	18:1/20:4	38:5	884.5415	C47 H81 O13 N0 P1	11.439	-H
*	PI(18:1,22:5)	PI	18:1/22:5	40:6	910.5571	C49 H83 O13 N0 P1	10.154	-H
*	PI(18:2,18:2)	PI	18:2/18:2	36:4	858.5258	C45 H79 O13 N0 P1	9.144	-H
*	PI(18:2,20:4)	PI	18:2/20:4	38:6	882.5258	C47 H79 O13 N0 P1	8.988	-H
*	PI(18:3,18:2)	PI	18:3/18:2	36:5	856.5102	C45 H77 O13 N0 P1	8.238	-H
*	PI(20:0,20:4)	PI	20:0/20:4	40:04	914.5884	C49 H87 O13 N0 P1	13.067	-H
*	PI(20:1,20:4)	PI	20:1/20:4	40:5	912.5728	C49 H85 O13 N0 P1	11.393	-H
*	PS(16:0,20:4)	PS	16:0/20:4	36:4	783.505	C42 H74 O10 N1 P1	10.081	-H
X	PS(18:0,18:1)	PS	18:0/18:1	36:1	789.552	C42 H80 O10 N1 P1	12.969	+H
X	PS(18:0,18:2)	PS	18:0/18:2	36:2	787.5363	C42 H78 O10 N1 P1	11.826	+H
X	PS(18:0,20:4)	PS	18:0/20:4	38:4	811.5363	C44 H78 O10 N1 P1	11.626	+H
*	PS(18:0,22:6)	PS	18:0/22:6	40:6	835.5363	C46 H78 O10 N1 P1	11.274	-H
*	PS(18:1,20:4)	PS	18:1/20:4	38:5	809.5207	C44 H76 O10 N1 P1	10.205	-H
*	PS(18:2,20:4)	PS	18:2/20:4	38:6	807.505	C44 H74 O10 N1 P1	9.083	-H
X	PS(20:4,20:4)	PS	20:4/20:4	40:8	831.505	C46 H74 O10 N1 P1	8.833	+H
*	PS(20:4,22:6)	PS	20:4/22:6	42:10	855.505	C48 H74 O10 N1 P1	8.504	-H
*	SM(d18:1/20:4)	SM	d18:1/20:4	d38:5	750.5676	C43 H79 O6 N2 P1	10.666	+H
*	SM(d18:1/20:4)	SM	d18:1/20:4	d38:5	750.5676	C43 H79 O6 N2 P1	10.666	+H
X	SM(d18:1/24:2)	SM	d42:3	d42:3	810.6615	C47 H91 O6 N2 P1	13.771	+H
*	SM(d28:0)	SM	d28:0	d28:0	620.4893	C33 H69 O6 N2 P1	6.633	+H
X	SM(d28:1)	SM	d28:1	d28:1	618.4737	C33 H67 O6 N2 P1	5.957	+H

X	SM(d30:1)	SM	d30:1	d30:1	646.505	C35 H71 O6 N2 P1	7.372	+H
X	SM(d31:1)	SM	d31:1	d31:1	660.5206	C36 H73 O6 N2 P1	8.037	+H
*	SM(d32:0)	SM	d32:0	d32:0	676.5519	C37 H77 O6 N2 P1	9.381	+H
X	SM(d32:1)	SM	d32:1	d32:1	674.5363	C37 H75 O6 N2 P1	8.789	+H
X	SM(d32:2)	SM	d32:2	d32:2	672.5206	C37 H73 O6 N2 P1	7.557	+H
*	SM(d32:2)	SM	d32:2	d32:2	672.5206	C37 H73 O6 N2 P1	7.741	+H
X	SM(d33:0)	SM	d33:0	d33:0	690.5676	C38 H79 O6 N2 P1	10.175	+H
*	SM(d33:1)	SM	d33:1	d33:1	688.5519	C38 H77 O6 N2 P1	9.329	+H
X	SM(d33:1)	SM	d33:1	d33:1	688.5519	C38 H77 O6 N2 P1	9.569	+H
X	SM(d33:2)	SM	d33:2	d33:2	686.5363	C38 H75 O6 N2 P1	8.274	+H
*	SM(d33:2)	SM	d33:2	d33:2	686.5363	C38 H75 O6 N2 P1	8.859	+H
X	SM(d34:0)	SM	d34:0	d34:0	704.5832	C39 H81 O6 N2 P1	10.978	+H
X	SM(d34:1)	SM	d34:1	d34:1	702.5676	C39 H79 O6 N2 P1	1.584	+H
X	SM(d34:1)	SM	d34:1	d34:1	702.5676	C39 H79 O6 N2 P1	10.125	+H
X	SM(d34:1)	SM	d34:1	d34:1	702.5676	C39 H79 O6 N2 P1	10.37	+H
X	SM(d34:2)	SM	d34:2	d34:2	700.5519	C39 H77 O6 N2 P1	8.908	+H
X	SM(d34:2)	SM	d34:2	d34:2	700.5519	C39 H77 O6 N2 P1	9.044	+H
X	SM(d34:2)	SM	d34:2	d34:2	700.5519	C39 H77 O6 N2 P1	9.25	+H
*	SM(d34:2)	SM	d34:2	d34:2	700.5519	C39 H77 O6 N2 P1	10.392	+H
*	SM(d34:3)	SM	d34:3	d34:3	698.5363	C39 H75 O6 N2 P1	8.104	+H
*	SM(d35:0)	SM	d35:0	d35:0	718.5989	C40 H83 O6 N2 P1	11.813	+H
X	SM(d35:1)	SM	d35:1	d35:1	716.5832	C40 H81 O6 N2 P1	10.917	+H
X	SM(d35:1)	SM	d35:1	d35:1	716.5832	C40 H81 O6 N2 P1	11.193	+H
X	SM(d35:2)	SM	d35:2	d35:2	714.5676	C40 H79 O6 N2 P1	9.857	+H
*	SM(d35:2)	SM	d35:2	d35:2	714.5676	C40 H79 O6 N2 P1	10.063	+H
X	SM(d36:0)	SM	d36:0	d36:0	732.6145	C41 H85 O6 N2 P1	12.623	+H
*	SM(d36:1)	SM	d36:1	d36:1	730.5989	C41 H83 O6 N2 P1	11.246	+H
*	SM(d36:1)	SM	d36:1	d36:1	730.5989	C41 H83 O6 N2 P1	11.754	+H
X	SM(d36:1)	SM	d36:1	d36:1	730.5989	C41 H83 O6 N2 P1	12.021	+H
*	SM(d36:2)	SM	d36:2	d36:2	728.5832	C41 H81 O6 N2 P1	10.041	+H

X	SM(d36:2)	SM	d36:2	d36:2	728.5832	C41 H81 O6 N2 P1	10.675	+H
*	SM(d36:2)	SM	d36:2	d36:2	728.5832	C41 H81 O6 N2 P1	10.932	+H
*	SM(d36:2)	SM	d36:2	d36:2	728.5832	C41 H81 O6 N2 P1	11.705	+H
X	SM(d36:3)	SM	d36:3	d36:3	726.5676	C41 H79 O6 N2 P1	9.437	+H
*	SM(d36:3)	SM	d36:3	d36:3	726.5676	C41 H79 O6 N2 P1	9.689	+H
*	SM(d36:3)	SM	d36:3	d36:3	726.5676	C41 H79 O6 N2 P1	10.057	+H
*	SM(d36:4)	SM	d36:4	d36:4	724.5519	C41 H77 O6 N2 P1	8.174	+H
*	SM(d36:4)	SM	d36:4	d36:4	724.5519	C41 H77 O6 N2 P1	8.451	+H
*	SM(d36:4)	SM	d36:4	d36:4	724.5519	C41 H77 O6 N2 P1	8.659	+H
*	SM(d36:5)	SM	d36:5	d36:5	722.5363	C41 H75 O6 N2 P1	9.251	+H
*	SM(d37:1)	SM	d37:1	d37:1	744.6145	C42 H85 O6 N2 P1	12.538	+H
X	SM(d37:1)	SM	d37:1	d37:1	744.6145	C42 H85 O6 N2 P1	12.864	+H
*	SM(d37:2)	SM	d37:2	d37:2	742.5989	C42 H83 O6 N2 P1	11.516	+H
*	SM(d37:3)	SM	d37:3	d37:3	740.5832	C42 H81 O6 N2 P1	10.018	+H
*	SM(d37:5)	SM	d37:5	d37:5	736.5519	C42 H77 O6 N2 P1	9.859	+H
X	SM(d38:0)	SM	d38:0	d38:0	760.6458	C43 H89 O6 N2 P1	14.229	+H
X	SM(d38:1)	SM	d38:1	d38:1	758.6302	C43 H87 O6 N2 P1	13.381	+H
X	SM(d38:1)	SM	d38:1	d38:1	758.6302	C43 H87 O6 N2 P1	13.649	+H
*	SM(d38:2)	SM	d38:2	d38:2	756.6145	C43 H85 O6 N2 P1	11.439	+H
X	SM(d38:2)	SM	d38:2	d38:2	756.6145	C43 H85 O6 N2 P1	12.054	+H
X	SM(d38:2)	SM	d38:2	d38:2	756.6145	C43 H85 O6 N2 P1	12.349	+H
X	SM(d38:3)	SM	d38:3	d38:3	754.5989	C43 H83 O6 N2 P1	10.816	+H
*	SM(d38:4)	SM	d38:4	d38:4	752.5832	C43 H81 O6 N2 P1	9.505	+H
*	SM(d38:4)	SM	d38:4	d38:4	752.5832	C43 H81 O6 N2 P1	9.784	+H
*	SM(d39:1)	SM	d39:1	d39:1	772.6458	C44 H89 O6 N2 P1	14.078	+H
X	SM(d39:1)	SM	d39:1	d39:1	772.6458	C44 H89 O6 N2 P1	14.482	+H
*	SM(d39:2)	SM	d39:2	d39:2	770.6302	C44 H87 O6 N2 P1	12.805	+H
*	SM(d39:2)	SM	d39:2	d39:2	770.6302	C44 H87 O6 N2 P1	13.189	+H
*	SM(d39:3)	SM	d39:3	d39:3	768.6145	C44 H85 O6 N2 P1	11.513	+H
X	SM(d40:0)	SM	d40:0	d40:0	788.6771	C45 H93 O6 N2 P1	15.734	+H

X	SM(d40:1)	SM	d40:1	d40:1	786.6615	C45 H91 O6 N2 P1	14.941	+H
X	SM(d40:1)	SM	d40:1	d40:1	786.6615	C45 H91 O6 N2 P1	15.21	+H
*	SM(d40:1)	SM	d40:1	d40:1	786.6615	C45 H91 O6 N2 P1	16.227	+H
X	SM(d40:2)	SM	d40:2	d40:2	784.6458	C45 H89 O6 N2 P1	13.411	+H
X	SM(d40:2)	SM	d40:2	d40:2	784.6458	C45 H89 O6 N2 P1	13.56	+H
X	SM(d40:2)	SM	d40:2	d40:2	784.6458	C45 H89 O6 N2 P1	13.99	+H
X	SM(d40:3)	SM	d40:3	d40:3	782.6302	C45 H87 O6 N2 P1	12.283	+H
*	SM(d40:4)	SM	d40:4	d40:4	780.6145	C45 H85 O6 N2 P1	10.97	+H
X	SM(d40:4)	SM	d40:4	d40:4	780.6145	C45 H85 O6 N2 P1	11.187	+H
*	SM(d40:4)	SM	d40:4	d40:4	780.6145	C45 H85 O6 N2 P1	13.645	+H
*	SM(d40:5)	SM	d40:5	d40:5	778.5989	C45 H83 O6 N2 P1	9.882	+H
*	SM(d40:5)	SM	d40:5	d40:5	778.5989	C45 H83 O6 N2 P1	10.155	+H
X	SM(d40:5)	SM	d40:5	d40:5	778.5989	C45 H83 O6 N2 P1	10.413	+H
*	SM(d40:5)	SM	d40:5	d40:5	778.5989	C45 H83 O6 N2 P1	12.066	+H
*	SM(d40:5)	SM	d40:5	d40:5	778.5989	C45 H83 O6 N2 P1	12.357	+H
*	SM(d40:6)	SM	d40:6	d40:6	776.5832	C45 H81 O6 N2 P1	9.118	+H
*	SM(d40:6)	SM	d40:6	d40:6	776.5832	C45 H81 O6 N2 P1	9.401	+H
X	SM(d40:6)	SM	d40:6	d40:6	776.5832	C45 H81 O6 N2 P1	10.034	+H
*	SM(d40:6)	SM	d40:6	d40:6	776.5832	C45 H81 O6 N2 P1	10.813	+H
*	SM(d40:7)	SM	d40:7	d40:7	774.5676	C45 H79 O6 N2 P1	8.765	+H
X	SM(d40:7)	SM	d40:7	d40:7	774.5676	C45 H79 O6 N2 P1	9.044	+H
*	SM(d40:8)	SM	d40:8	d40:8	772.5519	C45 H77 O6 N2 P1	7.843	+H
X	SM(d41:1)	SM	d41:1	d41:1	800.6771	C46 H93 O6 N2 P1	15.646	+H
X	SM(d41:1)	SM	d41:1	d41:1	800.6771	C46 H93 O6 N2 P1	15.926	+H
*	SM(d41:1)	SM	d41:1	d41:1	800.6771	C46 H93 O6 N2 P1	16.459	+H
*	SM(d41:2)	SM	d41:2	d41:2	798.6615	C46 H91 O6 N2 P1	13.617	+H
X	SM(d41:2)	SM	d41:2	d41:2	798.6615	C46 H91 O6 N2 P1	14.315	+H
X	SM(d41:2)	SM	d41:2	d41:2	798.6615	C46 H91 O6 N2 P1	14.774	+H
X	SM(d41:3)	SM	d41:3	d41:3	796.6458	C46 H89 O6 N2 P1	13.039	+H
*	SM(d41:3)	SM	d41:3	d41:3	796.6458	C46 H89 O6 N2 P1	13.469	+H

*	SM(d41:4)	SM	d41:4	d41:4	794.6302	C46 H87 O6 N2 P1	14.47	+H
*	SM(d41:5)	SM	d41:5	d41:5	792.6145	C46 H85 O6 N2 P1	10.82	+H
*	SM(d41:6)	SM	d41:6	d41:6	790.5989	C46 H83 O6 N2 P1	10.163	+H
X	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	16.323	+H
X	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	16.518	+H
*	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	19.846	+H
*	SM(d42:1)	SM	d42:1	d42:1	814.6928	C47 H95 O6 N2 P1	25.383	+H
X	SM(d42:2)	SM	d42:2	d42:2	812.6771	C47 H93 O6 N2 P1	14.352	+H
X	SM(d42:2)	SM	d42:2	d42:2	812.6771	C47 H93 O6 N2 P1	15.009	+H
X	SM(d42:2)	SM	d42:2	d42:2	812.6771	C47 H93 O6 N2 P1	15.524	+H
*	SM(d42:2)	SM	d42:2	d42:2	812.6771	C47 H93 O6 N2 P1	16.691	+H
X	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	12.506	+H
X	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	12.713	+H
*	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	13.734	+H
*	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	14.908	+H
*	SM(d42:4)	SM	d42:4	d42:4	808.6458	C47 H89 O6 N2 P1	15.19	+H
*	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	11.268	+H
*	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	11.426	+H
X	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	11.585	+H
*	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	11.764	+H
*	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	13.551	+H
*	SM(d42:5)	SM	d42:5	d42:5	806.6302	C47 H87 O6 N2 P1	14.002	+H
*	SM(d42:6)	SM	d42:6	d42:6	804.6145	C47 H85 O6 N2 P1	10.287	+H
*	SM(d42:6)	SM	d42:6	d42:6	804.6145	C47 H85 O6 N2 P1	10.461	+H
X	SM(d42:6)	SM	d42:6	d42:6	804.6145	C47 H85 O6 N2 P1	10.573	+H
X	SM(d42:6)	SM	d42:6	d42:6	804.6145	C47 H85 O6 N2 P1	10.945	+H
*	SM(d42:6)	SM	d42:6	d42:6	804.6145	C47 H85 O6 N2 P1	12.263	+H
X	SM(d42:7)	SM	d42:7	d42:7	802.5989	C47 H83 O6 N2 P1	9.296	+H
X	SM(d42:7)	SM	d42:7	d42:7	802.5989	C47 H83 O6 N2 P1	9.652	+H
X	SM(d42:7)	SM	d42:7	d42:7	802.5989	C47 H83 O6 N2 P1	9.938	+H

*	SM(d42:7)	SM	d42:7	d42:7	802.5989	C47 H83 O6 N2 P1	10.966	+H
X	SM(d42:8)	SM	d42:8	d42:8	800.5832	C47 H81 O6 N2 P1	8.687	+H
*	SM(d42:8)	SM	d42:8	d42:8	800.5832	C47 H81 O6 N2 P1	9.891	+H
X	SM(d43:1)	SM	d43:1	d43:1	828.7084	C48 H97 O6 N2 P1	16.839	+H
X	SM(d43:1)	SM	d43:1	d43:1	828.7084	C48 H97 O6 N2 P1	17.069	+H
*	SM(d43:2)	SM	d43:2	d43:2	826.6928	C48 H95 O6 N2 P1	15.468	+H
*	SM(d43:2)	SM	d43:2	d43:2	826.6928	C48 H95 O6 N2 P1	15.711	+H
X	SM(d43:2)	SM	d43:2	d43:2	826.6928	C48 H95 O6 N2 P1	15.915	+H
*	SM(d43:2)	SM	d43:2	d43:2	826.6928	C48 H95 O6 N2 P1	16.209	+H
X	SM(d43:3)	SM	d43:3	d43:3	824.6771	C48 H93 O6 N2 P1	14.255	+H
X	SM(d43:3)	SM	d43:3	d43:3	824.6771	C48 H93 O6 N2 P1	14.532	+H
*	SM(d43:4)	SM	d43:4	d43:4	822.6615	C48 H91 O6 N2 P1	13.301	+H
*	SM(d43:4)	SM	d43:4	d43:4	822.6615	C48 H91 O6 N2 P1	13.466	+H
*	SM(d43:5)	SM	d43:5	d43:5	820.6458	C48 H89 O6 N2 P1	14.309	+H
*	SM(d43:6)	SM	d43:6	d43:6	818.6302	C48 H87 O6 N2 P1	13.038	+H
X	SM(d44:1)	SM	d44:1	d44:1	842.7241	C49 H99 O6 N2 P1	17.384	+H
X	SM(d44:1)	SM	d44:1	d44:1	842.7241	C49 H99 O6 N2 P1	17.542	+H
X	SM(d44:2)	SM	d44:2	d44:2	840.7084	C49 H97 O6 N2 P1	16.358	+H
X	SM(d44:2)	SM	d44:2	d44:2	840.7084	C49 H97 O6 N2 P1	16.766	+H
X	SM(d44:3)	SM	d44:3	d44:3	838.6928	C49 H95 O6 N2 P1	15.247	+H
*	SM(d44:3)	SM	d44:3	d44:3	838.6928	C49 H95 O6 N2 P1	15.882	+H
*	SM(d44:4)	SM	d44:4	d44:4	836.6771	C49 H93 O6 N2 P1	14.206	+H
*	SM(d44:4)	SM	d44:4	d44:4	836.6771	C49 H93 O6 N2 P1	16.319	+H
*	SM(d44:5)	SM	d44:5	d44:5	834.6615	C49 H91 O6 N2 P1	12.9	+H
*	SM(d44:5)	SM	d44:5	d44:5	834.6615	C49 H91 O6 N2 P1	14.355	+H
*	SM(d44:5)	SM	d44:5	d44:5	834.6615	C49 H91 O6 N2 P1	15.313	+H
*	SM(d44:5)	SM	d44:5	d44:5	834.6615	C49 H91 O6 N2 P1	15.544	+H
*	SM(d44:6)	SM	d44:6	d44:6	832.6458	C49 H89 O6 N2 P1	11.865	+H
*	SM(d44:6)	SM	d44:6	d44:6	832.6458	C49 H89 O6 N2 P1	12.028	+H
*	SM(d44:6)	SM	d44:6	d44:6	832.6458	C49 H89 O6 N2 P1	13.514	+H

*	SM(d44:7)	SM	d44:7	d44:7	830.6302	C49 H87 O6 N2 P1	10.733	+H
*	SM(d44:7)	SM	d44:7	d44:7	830.6302	C49 H87 O6 N2 P1	11.003	+H
*	SM(d44:7)	SM	d44:7	d44:7	830.6302	C49 H87 O6 N2 P1	12.527	+H
*	SM(d44:7)	SM	d44:7	d44:7	830.6302	C49 H87 O6 N2 P1	12.712	+H
*	SM(d44:8)	SM	d44:8	d44:8	828.6145	C49 H85 O6 N2 P1	11.58	+H
*	SM(d44:8)	SM	d44:8	d44:8	828.6145	C49 H85 O6 N2 P1	12.107	+H
*	SM(d44:8)	SM	d44:8	d44:8	828.6145	C49 H85 O6 N2 P1	12.519	+H
*	SM(d45:4)	SM	d45:4	d45:4	850.6928	C50 H95 O6 N2 P1	16.835	+H
*	SM(d45:4)	SM	d45:4	d45:4	850.6928	C50 H95 O6 N2 P1	17.071	+H
*	SM(d45:5)	SM	d45:5	d45:5	848.6771	C50 H93 O6 N2 P1	15.719	+H
*	SM(d45:5)	SM	d45:5	d45:5	848.6771	C50 H93 O6 N2 P1	16.217	+H
*	SM(d45:6)	SM	d45:6	d45:6	846.6615	C50 H91 O6 N2 P1	14.517	+H
*	SM(d46:8)	SM	d46:8	d46:8	856.6458	C51 H89 O6 N2 P1	12.895	+H
*	So(d18:0)	So	d18:0	d18:0	301.2981	C18 H39 O2 N1	2.104	+H
*	So(d18:1)	So	d18:1	d18:1	299.2824	C18 H37 O2 N1	1.887	+H
*	TG(10:0,12:0,14:0)	TG	10:0/12:0/14:0	36:0	638.5485	C39 H74 O6	16.294	+NH4
x	TG(10:0,18:1,18:2)	TG	10:0/18:1/18:2	46:3	772.6581	C49 H88 O6	18.292	+NH4
*	TG(10:0,18:1,20:4)	TG	10:0/18:1/20:4	48:5	796.6581	C51 H88 O6	18.166	+NH4
x	TG(10:0,18:2,18:2)	TG	10:0/18:2/18:2	46:4	770.6424	C49 H86 O6	17.664	+NH4
*	TG(10:0,18:2,18:2)	TG	10:0/18:2/18:2	46:4	770.6424	C49 H86 O6	17.889	+NH4
X	TG(10:0,18:2,18:3)	TG	10:0/18:2/18:3	46:5	768.6268	C49 H84 O6	17.053	+NH4
*	TG(10:0,18:2,20:4)	TG	10:0/18:2/20:4	48:6	794.6424	C51 H86 O6	17.4	+NH4
*	TG(10:0,18:2,20:5)	TG	10:0/18:2/20:5	48:7	792.6268	C51 H84 O6	17.654	+H
*	TG(10:0,18:3,18:3)	TG	10:0/18:3/18:3	46:6	766.6111	C49 H82 O6	16.337	+NH4
*	TG(10:0,18:3,22:5)	TG	10:0/18:3/22:5	50:8	818.6424	C53 H86 O6	16.905	+NH4
*	TG(12:0,12:0,14:0)	TG	12:0/12:0/14:0	38:0	666.5798	C41 H78 O6	17.302	+NH4
*	TG(12:0,14:0,14:0)	TG	12:0/14:0/14:0	40	694.6111	C43 H82 O6	18.177	+NH4
X	TG(12:0,18:2,18:2)	TG	12:0/18:2/18:2	48:4	798.6737	C51 H90 O6	18.381	+NH4
*	TG(12:0,18:2,18:2)	TG	12:0/18:2/18:2	48:4	798.6737	C51 H90 O6	18.618	+NH4
X	TG(12:0,18:2,18:3)	TG	12:0/18:2/18:3	48:5	796.6581	C51 H88 O6	17.873	+NH4

*	TG(12:0,18:2,22:6)	TG	12:0/18:2/22:6	52:8	846.6737	C55 H90 O6	18.036	+NH4
X	TG(12:0,18:3,18:3)	TG	12:0/18:3/18:3	48:6	794.6424	C51 H86 O6	17.242	+NH4
X	TG(14:0,18:2,18:3)	TG	14:0/18:2/18:3	50:5	824.6894	C53 H92 O6	18.569	+NH4
*	TG(14:0,18:2,18:3)	TG	14:0/18:2/18:3	50:05	824.6894	C53 H92 O6	18.846	+NH4
*	TG(14:0,18:2,20:5)	TG	14:0/18:2/20:5	52:7	848.6894	C55 H92 O6	19.007	+H
*	TG(14:0,18:2,22:6)	TG	14:0/18:2/22:6	54:8	874.705	C57 H94 O6	18.597	+NH4
*	TG(15:0,12:0,14:0)	TG	15:0/12:0/14:0	41:0	708.6268	C44 H84 O6	18.537	+NH4
*	TG(15:0,14:0,14:0)	TG	15:0/14:0/14:0	43:0	736.6581	C46 H88 O6	19.176	+NH4
*	TG(15:0,14:0,15:0)	TG	15:0/14:0/15:0	44:0	750.6737	C47 H90 O6	19.323	+NH4
X	TG(15:0,14:0,16:0)	TG	15:0/14:0/16:0	45:0	764.6894	C48 H92 O6	19.725	+NH4
*	TG(15:0,14:0,16:0)	TG	15:0/14:0/16:0	45:0	764.6894	C48 H92 O6	19.903	+NH4
*	TG(15:0,14:0,16:1)	TG	15:0/14:0/16:1	45:1	762.6737	C48 H90 O6	19.76	+NH4
X	TG(15:0,14:0,18:2)	TG	15:0/14:0/18:2	47:2	788.6894	C50 H92 O6	19.207	+NH4
*	TG(15:0,15:0,16:0)	TG	15:0/15:0/16:0	46:0	778.705	C49 H94 O6	19.826	+NH4
*	TG(15:0,16:0,16:0)	TG	15:0/16:0/16:0	47:0	792.7207	C50 H96 O6	20.105	+NH4
*	TG(15:0,16:0,16:0)	TG	15:0/16:0/16:0	47:0	792.7207	C50 H96 O6	20.222	+NH4
*	TG(15:0,16:0,16:1)	TG	15:0/16:0/16:1	47:01	790.705	C50 H94 O6	19.738	+NH4
X	TG(15:0,16:0,18:1)	TG	15:0/16:0/18:1	49:1	818.7363	C52 H98 O6	20.221	+NH4
X	TG(15:0,16:0,18:2)	TG	15:0/16:0/18:2	49:2	816.7207	C52 H96 O6	19.667	+NH4
*	TG(15:0,16:0,24:0)	TG	15:0/16:0/24:0	55:0	904.8459	C58 H112 O6	21.747	+NH4
*	TG(15:0,16:1,16:1)	TG	15:0/16:1/16:1	47:2	788.6894	C50 H92 O6	19.313	+NH4
*	TG(15:0,16:1,18:1)	TG	15:0/16:1/18:1	49:2	816.7207	C52 H96 O6	19.788	+NH4
X	TG(15:0,16:1,18:2)	TG	15:0/16:1/18:2	49:3	814.705	C52 H94 O6	19.255	+NH4
*	TG(15:0,16:1,22:6)	TG	15:0/16:1/22:6	53:07	862.705	C56 H94 O6	18.699	+NH4
*	TG(15:0,18:1,18:1)	TG	15:0/18:1/18:1	51:2	844.752	C54 H100 O6	20.246	+NH4
X	TG(15:0,18:1,18:2)	TG	15:0/18:1/18:2	51:3	842.7363	C54 H98 O6	19.73	+NH4
*	TG(15:0,18:1,18:3)	TG	15:0/18:1/18:3	51:4	840.7207	C54 H96 O6	19.3	+NH4
*	TG(15:0,18:1,20:4)	TG	15:0/18:1/20:4	53:5	866.7363	C56 H98 O6	20.144	+H
*	TG(15:0,18:1,22:5)	TG	15:0/18:1/22:5	55:6	892.752	C58 H100 O6	19.662	+NH4
*	TG(15:0,18:2,18:3)	TG	15:0/18:2/18:3	51:05	838.705	C54 H94 O6	18.881	+NH4

*	TG(15:0,18:2,20:3)	TG	15:0/18:2/20:3	53:5	866.7363	C56 H98 O6	19.472	+NH4
*	TG(15:0,18:2,20:4)	TG	15:0/18:2/20:4	53:6	864.7207	C56 H96 O6	19.117	+NH4
*	TG(15:0,18:2,20:5)	TG	15:0/18:2/20:5	53:7	862.705	C56 H94 O6	19.447	+NH4
*	TG(15:0,18:2,22:5)	TG	15:0/18:2/22:5	55:7	890.7363	C58 H98 O6	19.315	+NH4
*	TG(15:0,18:2,22:6)	TG	15:0/18:2/22:6	55:8	888.7207	C58 H96 O6	18.898	+NH4
*	TG(15:0,18:3,20:5)	TG	15:0/18:3/20:5	53:08	860.6894	C56 H92 O6	18.889	+H
*	TG(15:0,22:5,22:5)	TG	15:0/22:5/22:5	59:0	940.752	C62 H100 O6	18.992	+NH4
*	TG(16:0,10:0,16:0)	TG	16:0/10:0/16:0	42:0	722.6424	C45 H86 O6	18.861	+NH4
*	TG(16:0,12:0,14:0)	TG	16:0/12:0/14:0	42:0	722.6424	C45 H86 O6	18.579	+NH4
X	TG(16:0,12:0,16:0)	TG	16:0/12:0/16:0	44:0	750.6737	C47 H90 O6	19.431	+NH4
X	TG(16:0,14:0,16:0)	TG	16:0/14:0/16:0	46:0	778.705	C49 H94 O6	19.977	+NH4
*	TG(16:0,14:0,16:1)	TG	16:0/14:0/16:1	46:1	776.6894	C49 H92 O6	19.411	+NH4
X	TG(16:0,14:0,18:1)	TG	16:0/14:0/18:1	48:1	804.7207	C51 H96 O6	19.804	+NH4
*	TG(16:0,14:0,24:0)	TG	16:0/14:0/24:0	54:0	890.8302	C57 H110 O6	21.599	+NH4
*	TG(16:0,16:0,16:0)	TG	16:0/16:0/16:0	48:0	806.7363	C51 H98 O6	20.282	+NH4
*	TG(16:0,16:0,16:0)	TG	16:0/16:0/16:0	48:0	806.7363	C51 H98 O6	20.403	+NH4
*	TG(16:0,16:0,16:1)	TG	16:0/16:0/16:1	48:1	804.7207	C51 H96 O6	20.072	+NH4
*	TG(16:0,16:0,17:0)	TG	16:0/16:0/17:0	49:0	820.752	C52 H100 O6	20.673	+NH4
X	TG(16:0,16:0,18:1)	TG	16:0/16:0/18:1	50:1	832.752	C53 H100 O6	20.254	+NH4
X	TG(16:0,16:0,18:1)	TG	16:0/16:0/18:1	50:1	832.752	C53 H100 O6	20.399	+NH4
X	TG(16:0,16:0,18:2)	TG	16:0/16:0/18:2	50:2	830.7363	C53 H98 O6	19.2	+NH4
*	TG(16:0,16:0,19:0)	TG	16:0/16:0/19:0	51:0	848.7833	C54 H104 O6	20.928	+NH4
*	TG(16:0,16:0,20:3)	TG	16:0/16:0/20:3	52:3	856.752	C55 H100 O6	18.244	+H
*	TG(16:0,16:0,20:4)	TG	16:0/16:0/20:4	52:4	854.7363	C55 H98 O6	19.86	+NH4
X	TG(16:0,16:0,21:0)	TG	16:0/16:0/21:0	53:0	876.8146	C56 H108 O6	21.382	+NH4
*	TG(16:0,16:0,22:6)	TG	16:0/16:0/22:6	54:6	878.7363	C57 H98 O6	19.404	+NH4
*	TG(16:0,16:0,24:0)	TG	16:0/16:0/24:0	56:0	918.8615	C59 H114 O6	21.896	+NH4
X	TG(16:0,16:1,18:1)	TG	16:0/16:1/18:1	50:2	830.7363	C53 H98 O6	19.915	+NH4
X	TG(16:0,16:1,18:2)	TG	16:0/16:1/18:2	50:3	828.7207	C53 H96 O6	19.673	+NH4
X	TG(16:0,17:0,18:1)	TG	16:0/17:0/18:1	51:1	846.7676	C54 H102 O6	20.576	+NH4

X	TG(16:0,18:1,18:1)	TG	16:0/18:1/18:1	52:2	858.7676	C55 H102 O6	20.358	+NH4
X	TG(16:0,18:1,18:1)	TG	16:0/18:1/18:1	52:2	858.7676	C55 H102 O6	20.507	+NH4
X	TG(16:0,18:1,18:2)	TG	16:0/18:1/18:2	52:3	856.752	C55 H100 O6	20	+NH4
X	TG(16:0,18:1,18:2)	TG	16:0/18:1/18:2	52:3	856.752	C55 H100 O6	21.102	+NH4
X	TG(16:0,18:1,18:3)	TG	16:0/18:1/18:3	52:4	854.7363	C55 H98 O6	17.672	+H
*	TG(16:0,18:1,18:3)	TG	16:0/18:1/18:3	52:4	854.7363	C55 H98 O6	17.944	+H
*	TG(16:0,18:1,21:0)	TG	16:0/18:1/21:0	55:1	902.8302	C58 H110 O6	21.307	+NH4
X	TG(16:0,18:1,22:0)	TG	16:0/18:1/22:0	56:1	916.8459	C59 H112 O6	21.554	+NH4
*	TG(16:0,18:1,22:4)	TG	16:0/18:1/22:4	56:5	908.7833	C59 H104 O6	20.162	+NH4
*	TG(16:0,18:1,22:4)	TG	16:0/18:1/22:4	56:5	908.7833	C59 H104 O6	20.765	+H
*	TG(16:0,18:1,22:6)	TG	16:0/18:1/22:6	56:7	904.752	C59 H100 O6	19.651	+NH4
*	TG(16:0,18:1,23:0)	TG	16:0/18:1/23:0	57:1	930.8615	C60 H114 O6	21.705	+NH4
*	TG(16:0,18:1,24:1)	TG	16:0/18:1/24:1	58:2	942.8615	C61 H114 O6	21.49	+NH4
*	TG(16:0,18:2,18:2)	TG	16:0/18:2/18:2	52:4	854.7363	C55 H98 O6	19.579	+NH4
X	TG(16:0,18:2,18:2)	TG	16:0/18:2/18:2	52:4	854.7363	C55 H98 O6	24.399	+NH4
X	TG(16:0,18:2,18:3)	TG	16:0/18:2/18:3	52:5	852.7207	C55 H96 O6	17.376	+H
X	TG(16:0,18:2,18:3)	TG	16:0/18:2/18:3	52:5	852.7207	C55 H96 O6	19.191	+NH4
*	TG(16:0,18:2,20:3)	TG	16:0/18:2/20:3	54:5	880.752	C57 H100 O6	19.827	+NH4
*	TG(16:0,18:2,20:5)	TG	16:0/18:2/20:5	54:7	876.7207	C57 H96 O6	19.012	+NH4
*	TG(16:0,18:2,22:6)	TG	16:0/18:2/22:6	56:8	902.7363	C59 H98 O6	19.214	+NH4
*	TG(16:0,18:2,23:0)	TG	16:0/18:2/23:0	57:2	928.8459	C60 H112 O6	21.396	+NH4
*	TG(16:0,18:3,20:4)	TG	16:0/18:3/20:4	54:7	876.7207	C57 H96 O6	19.85	+H
*	TG(16:0,18:3,22:0)	TG	16:0/18:3/22:0	56:3	912.8146	C59 H108 O6	20.997	+NH4
*	TG(16:0,18:3,22:6)	TG	16:0/18:3/22:6	56:9	900.7207	C59 H96 O6	18.812	+NH4
*	TG(16:0,18:3,24:0)	TG	16:0/18:3/24:0	58:3	940.8459	C61 H112 O6	21.381	+NH4
*	TG(16:0,20:4,22:0)	TG	16:0/20:4/22:0	58:04	938.8302	C61 H110 O6	21.153	+NH4
*	TG(16:0,20:5,22:6)	TG	16:0/20:5/22:6	58:1	924.7207	C61 H96 O6	18.606	+NH4
*	TG(16:0,22:6,22:6)	TG	16:0/22:6/22:6	60:2	950.7363	C63 H98 O6	18.835	+NH4
X	TG(16:0,8:0,18:2)	TG	16:0/8:0/18:2	42:2	718.6111	C45 H82 O6	17.597	+NH4
X	TG(16:0e,16:0,18:2)	TG	16:0e/16:0/18:2	50:2e	816.7571	C53 H100 O5	20.722	+NH4

*	TG(16:1,10:0,18:2)	TG	16:1/10:0/18:2	44:3	744.6268	C47 H84 O6	17.886	+NH4
*	TG(16:1,12:0,14:0)	TG	16:1/12:0/14:0	42:1	720.6268	C45 H84 O6	18.276	+NH4
*	TG(16:1,12:0,18:1)	TG	16:1/12:0/18:1	46:2	774.6737	C49 H90 O6	18.974	+NH4
*	TG(16:1,13:0,14:0)	TG	16:1/13:0/14:0	43:01	734.6424	C46 H86 O6	18.493	+NH4
*	TG(16:1,14:0,14:0)	TG	16:1/14:0/14:0	44:1	748.6581	C47 H88 O6	19.332	+NH4
X	TG(16:1,14:0,18:1)	TG	16:1/14:0/18:1	48:2	802.705	C51 H94 O6	19.387	+NH4
*	TG(16:1,14:0,18:2)	TG	16:1/14:0/18:2	48:3	800.6894	C51 H92 O6	19.316	+NH4
*	TG(16:1,16:1,16:1)	TG	16:1/16:1/16:1	48:3	800.6894	C51 H92 O6	19.736	+NH4
*	TG(16:1,16:1,18:1)	TG	16:1/16:1/18:1	50:3	828.7207	C53 H96 O6	19.531	+NH4
*	TG(16:1,16:1,24:0)	TG	16:1/16:1/24:0	56:2	914.8302	C59 H110 O6	21.298	+NH4
*	TG(16:1,18:1,18:2)	TG	16:1/18:1/18:2	52:4	854.7363	C55 H98 O6	19.473	+NH4
*	TG(16:1,18:1,18:2)	TG	16:1/18:1/18:2	52:4	854.7363	C55 H98 O6	21.231	+NH4
X	TG(16:1,18:2,18:3)	TG	16:1/18:2/18:3	52:6	850.705	C55 H94 O6	16.547	+H
X	TG(16:1,18:2,18:3)	TG	16:1/18:2/18:3	52:6	850.705	C55 H94 O6	18.584	+NH4
*	TG(16:1,18:2,20:5)	TG	16:1/18:2/20:5	54:8	874.705	C57 H94 O6	18.392	+NH4
*	TG(16:1,18:3,18:3)	TG	16:1/18:3/18:3	52:7	848.6894	C55 H92 O6	18.364	+NH4
*	TG(16:1,18:3,22:6)	TG	16:1/18:3/22:6	56:10	898.705	C59 H94 O6	18.025	+NH4
*	TG(16:1,22:6,22:6)	TG	16:1/22:6/22:6	60:13	948.7207	C63 H96 O6	18.045	+NH4
*	TG(16:2,18:2,18:3)	TG	16:2/18:2/18:3	52:7	848.6894	C55 H92 O6	18.105	+NH4
*	TG(16:2,18:3,18:3)	TG	16:2/18:3/18:3	52:8	846.6737	C55 H90 O6	17.567	+NH4
X	TG(17:0,18:1,18:2)	TG	17:0/18:1/18:2	53:3	870.7676	C56 H102 O6	20.221	+H
*	TG(17:0,18:1,18:3)	TG	17:0/18:1/18:3	53:4	868.752	C56 H100 O6	19.839	+H
*	TG(17:0,18:1,20:4)	TG	17:0/18:1/20:4	55:5	894.7676	C58 H102 O6	20.073	+NH4
X	TG(17:0,18:2,18:2)	TG	17:0/18:2/18:2	53:4	868.752	C56 H100 O6	19.734	+NH4
*	TG(17:0,18:2,22:4)	TG	17:0/18:2/22:4	57:6	920.7833	C60 H104 O6	20.037	+NH4
*	TG(17:0,18:2,22:5)	TG	17:0/18:2/22:5	57:7	918.7676	C60 H102 O6	19.698	+NH4
X	TG(18:0,16:0,16:0)	TG	18:0/16:0/16:0	50:0	834.7676	C53 H102 O6	20.834	+NH4
X	TG(18:0,16:0,18:0)	TG	18:0/16:0/18:0	52:0	862.7989	C55 H106 O6	21.229	+NH4
X	TG(18:0,16:0,18:1)	TG	18:0/16:0/18:1	52:1	860.7833	C55 H104 O6	20.798	+NH4
*	TG(18:0,16:0,18:3)	TG	18:0/16:0/18:3	52:3	856.752	C55 H100 O6	20.831	+H

*	TG(18:0,16:0,22:6)	TG	18:0/16:0/22:6	56:6	906.7676	C59 H102 O6	20.183	+NH4
*	TG(18:0,16:0,24:1)	TG	18:0/16:0/24:1	58:1	944.8772	C61 H116 O6	21.908	+NH4
*	TG(18:0,17:0,18:1)	TG	18:0/17:0/18:1	53:1	874.7989	C56 H106 O6	21.027	+NH4
X	TG(18:0,17:0,18:2)	TG	18:0/17:0/18:2	53:2	872.7833	C56 H104 O6	20.581	+NH4
*	TG(18:0,17:0,20:4)	TG	18:0/17:0/20:4	55:4	896.7833	C58 H104 O6	20.568	+NH4
*	TG(18:0,18:0,20:4)	TG	18:0/18:0/20:4	56:4	910.7989	C59 H106 O6	20.752	+NH4
*	TG(18:0,18:0,22:0)	TG	18:0/18:0/22:0	58:0	946.8928	C61 H118 O6	22.197	+NH4
*	TG(18:0,18:0,22:6)	TG	18:0/18:0/22:6	58:6	934.7989	C61 H106 O6	20.607	+NH4
*	TG(18:0,18:1,18:1)	TG	18:0/18:1/18:1	54:2	886.7989	C57 H106 O6	20.775	+NH4
*	TG(18:0,18:1,18:3)	TG	18:0/18:1/18:3	54:4	882.7676	C57 H102 O6	20.077	+NH4
*	TG(18:0,18:1,20:4)	TG	18:0/18:1/20:4	56:5	908.7833	C59 H104 O6	20.342	+NH4
*	TG(18:0,18:1,22:4)	TG	18:0/18:1/22:4	58:5	936.8146	C61 H108 O6	20.598	+NH4
*	TG(18:0,18:1,22:5)	TG	18:0/18:1/22:5	58:6	934.7989	C61 H106 O6	20.464	+NH4
*	TG(18:0,18:1,22:6)	TG	18:0/18:1/22:6	58:7	932.7833	C61 H104 O6	20.158	+NH4
*	TG(18:0,18:2,20:4)	TG	18:0/18:2/20:4	56:6	906.7676	C59 H102 O6	19.929	+NH4
*	TG(18:0,18:2,22:4)	TG	18:0/18:2/22:4	58:6	934.7989	C61 H106 O6	20.261	+NH4
*	TG(18:0,18:2,22:4)	TG	18:0/18:2/22:4	58:6	934.7989	C61 H106 O6	20.837	+H
*	TG(18:0,20:0,22:0)	TG	18:0/20:0/22:0	60:0	974.9241	C63 H122 O6	22.466	+NH4
*	TG(18:0,20:4,22:4)	TG	18:0/20:4/22:4	60:8	958.7989	C63 H106 O6	20.133	+NH4
*	TG(18:0,20:4,22:6)	TG	18:0/20:4/22:6	60:10	954.7676	C63 H102 O6	19.418	+NH4
X	TG(18:0,20:4,22:6)	TG	18:0/20:4/22:6	60:10	954.7676	C63 H102 O6	19.614	+NH4
*	TG(18:0,20:4,24:1)	TG	18:0/20:4/24:1	62:5	992.8772	C65 H116 O6	21.484	+NH4
X	TG(18:0,22:0,22:0)	TG	18:0/22:0/22:0	62:0	1002.9554	C65 H126 O6	22.769	+NH4
*	TG(18:0e,18:1,18:2)	TG	18:0e/18:1/18:2	54:3e	870.804	C57 H106 O5	21.09	+NH4
X	TG(18:1,12:0,18:2)	TG	18:1/12:0/18:2	48:3	800.6894	C51 H92 O6	18.91	+NH4
*	TG(18:1,12:0,20:5)	TG	18:1/12:0/20:5	50:6	822.6737	C53 H90 O6	18.411	+NH4
X	TG(18:1,14:0,18:2)	TG	18:1/14:0/18:2	50:3	828.7207	C53 H96 O6	19.385	+NH4
*	TG(18:1,14:0,18:3)	TG	18:1/14:0/18:3	50:04	826.705	C53 H94 O6	19.006	+NH4
X	TG(18:1,18:1,18:1)	TG	18:1/18:1/18:1	54:3	884.7833	C57 H104 O6	20.433	+NH4
*	TG(18:1,18:1,18:2)	TG	18:1/18:1/18:2	54:4	882.7676	C57 H102 O6	18.148	+H

*	TG(18:1,18:1,18:2)	TG	18:1/18:1/18:2	54:4	882.7676	C57 H102 O6	19.958	+NH4
*	TG(18:1,18:1,18:3)	TG	18:1/18:1/18:3	54:5	880.752	C57 H100 O6	17.649	+H
*	TG(18:1,18:1,20:2)	TG	18:1/18:1/20:2	56:04	910.7989	C59 H106 O6	20.387	+NH4
*	TG(18:1,18:1,20:4)	TG	18:1/18:1/20:4	56:6	906.7676	C59 H102 O6	19.792	+NH4
*	TG(18:1,18:1,22:5)	TG	18:1/18:1/22:5	58:7	932.7833	C61 H104 O6	19.881	+NH4
*	TG(18:1,18:1,22:6)	TG	18:1/18:1/22:6	58:8	930.7676	C61 H102 O6	19.752	+NH4
*	TG(18:1,18:1,23:0)	TG	18:1/18:1/23:0	59:2	956.8772	C62 H116 O6	21.696	+NH4
*	TG(18:1,18:1,24:1)	TG	18:1/18:1/24:1	60:3	968.8772	C63 H116 O6	21.473	+NH4
*	TG(18:1,18:2,18:2)	TG	18:1/18:2/18:2	54:05	880.752	C57 H100 O6	19.548	+NH4
*	TG(18:1,18:2,18:2)	TG	18:1/18:2/18:2	54:5	880.752	C57 H100 O6	19.676	+NH4
X	TG(18:1,18:2,18:3)	TG	18:1/18:2/18:3	54:6	878.7363	C57 H98 O6	17.215	+H
X	TG(18:1,18:2,18:3)	TG	18:1/18:2/18:3	54:6	878.7363	C57 H98 O6	17.398	+H
X	TG(18:1,18:2,20:4)	TG	18:1/18:2/20:4	56:7	904.752	C59 H100 O6	19.408	+NH4
*	TG(18:1,18:2,20:5)	TG	18:1/18:2/20:5	56:8	902.7363	C59 H98 O6	18.267	+NH4
*	TG(18:1,18:2,21:0)	TG	18:1/18:2/21:0	57:3	926.8302	C60 H110 O6	20.989	+NH4
*	TG(18:1,18:2,22:0)	TG	18:1/18:2/22:0	58:3	940.8459	C61 H112 O6	21.231	+NH4
*	TG(18:1,18:2,22:5)	TG	18:1/18:2/22:5	58:8	930.7676	C61 H102 O6	19.345	+NH4
X	TG(18:1,18:2,23:0)	TG	18:1/18:2/23:0	59:3	954.8615	C62 H114 O6	21.377	+NH4
*	TG(18:1,18:3,18:3)	TG	18:1/18:3/18:3	54:7	876.7207	C57 H96 O6	17.102	+H
*	TG(18:1,18:3,22:5)	TG	18:1/18:3/22:5	58:9	928.752	C61 H100 O6	19.786	+H
*	TG(18:1,20:3,22:6)	TG	18:1/20:3/22:6	60:10	954.7676	C63 H102 O6	19.297	+NH4
*	TG(18:1,20:4,20:4)	TG	18:1/20:4/20:4	58:9	928.752	C61 H100 O6	19.428	+NH4
*	TG(18:1,20:4,22:0)	TG	18:1/20:4/22:0	60:5	964.8459	C63 H112 O6	21.102	+NH4
*	TG(18:1,20:4,22:4)	TG	18:1/20:4/22:4	60:9	956.7833	C63 H104 O6	19.645	+NH4
*	TG(18:1,20:4,22:6)	TG	18:1/20:4/22:6	60:11	952.752	C63 H100 O6	19	+NH4
*	TG(18:1,20:4,24:1)	TG	18:1/20:4/24:1	62:6	990.8615	C65 H114 O6	21.054	+NH4
*	TG(18:2,13:0,18:2)	TG	18:2/13:0/18:2	49:4	812.6894	C52 H92 O6	18.783	+NH4
*	TG(18:2,18:2,18:2)	TG	18:2/18:2/18:2	54:6	878.7363	C57 H98 O6	19.108	+NH4
X	TG(18:2,18:2,18:2)	TG	18:2/18:2/18:2	54:6	878.7363	C57 H98 O6	22.188	+NH4
X	TG(18:2,18:2,18:2)	TG	18:2/18:2/18:2	54:6	878.7363	C57 H98 O6	23.119	+NH4

*	TG(18:2,18:2,20:4)	TG	18:2/18:2/20:4	56:8	902.7363	C59 H98 O6	18.917	+NH4
*	TG(18:2,18:2,21:0)	TG	18:2/18:2/21:0	57:4	924.8146	C60 H108 O6	20.657	+NH4
*	TG(18:2,18:2,22:6)	TG	18:2/18:2/22:6	58:10	926.7363	C61 H98 O6	18.718	+H
*	TG(18:2,18:2,22:6)	TG	18:2/18:2/22:6	58:10	926.7363	C61 H98 O6	19.037	+NH4
X	TG(18:2,20:4,22:6)	TG	18:2/20:4/22:6	60:12	950.7363	C63 H98 O6	18.51	+NH4
*	TG(18:2,22:6,22:6)	TG	18:2/22:6/22:6	62:14	974.7363	C65 H98 O6	18.421	+NH4
*	TG(18:2,22:6,22:6)	TG	18:2/22:6/22:6	62:14	974.7363	C65 H98 O6	19.013	+H
X	TG(18:3,18:2,18:2)	TG	18:3/18:2/18:2	54:7	876.7207	C57 H96 O6	16.43	+H
*	TG(18:3,18:2,18:2)	TG	18:3/18:2/18:2	54:7	876.7207	C57 H96 O6	16.591	+H
X	TG(18:3,18:2,18:2)	TG	18:3/18:2/18:2	54:7	876.7207	C57 H96 O6	16.967	+H
X	TG(18:3,18:2,18:2)	TG	18:3/18:2/18:2	54:7	876.7207	C57 H96 O6	17.53	+H
X	TG(18:3,18:2,18:2)	TG	18:3/18:2/18:2	54:7	876.7207	C57 H96 O6	18.681	+NH4
X	TG(18:3,18:2,18:3)	TG	18:3/18:2/18:3	54:8	874.705	C57 H94 O6	16.026	+H
X	TG(18:3,18:2,18:3)	TG	18:3/18:2/18:3	54:8	874.705	C57 H94 O6	18.215	+NH4
X	TG(18:3,18:2,20:4)	TG	18:3/18:2/20:4	56:9	900.7207	C59 H96 O6	18.374	+NH4
X	TG(18:3,18:2,20:4)	TG	18:3/18:2/20:4	56:9	900.7207	C59 H96 O6	18.493	+NH4
X	TG(18:3,18:2,20:5)	TG	18:3/18:2/20:5	56:10	898.705	C59 H94 O6	18.687	+H
*	TG(18:3,18:2,20:5)	TG	18:3/18:2/20:5	56:10	898.705	C59 H94 O6	19.015	+H
*	TG(18:3,18:2,22:5)	TG	18:3/18:2/22:5	58:10	926.7363	C61 H98 O6	18.519	+NH4
X	TG(18:3,18:3,18:3)	TG	18:3/18:3/18:3	54:9	872.6894	C57 H92 O6	17.7	+NH4
*	TG(18:3,18:3,20:5)	TG	18:3/18:3/20:5	56:11	896.6894	C59 H92 O6	18.589	+H
X	TG(18:3,18:3,22:6)	TG	18:3/18:3/22:6	58:12	922.705	C61 H94 O6	17.797	+NH4
*	TG(18:3,20:4,20:4)	TG	18:3/20:4/20:4	58:11	924.7207	C61 H96 O6	18.273	+NH4
*	TG(18:3,20:5,22:5)	TG	18:3/20:5/22:5	60:13	948.7207	C63 H96 O6	17.801	+NH4
*	TG(18:3,20:5,22:6)	TG	18:3/20:5/22:6	60:14	946.705	C63 H94 O6	17.533	+NH4
*	TG(18:3,22:5,22:6)	TG	18:3/22:5/22:6	62:14	974.7363	C65 H98 O6	18.096	+NH4
*	TG(18:3,22:6,22:6)	TG	18:3/22:6/22:6	62:15	972.7207	C65 H96 O6	17.812	+NH4
*	TG(18:4,16:0,18:2)	TG	18:4/16:0/18:2	52:6	850.705	C55 H94 O6	18.808	+NH4
X	TG(18:4,18:1,18:2)	TG	18:4/18:1/18:2	54:7	876.7207	C57 H96 O6	17.21	+H
*	TG(18:4,18:2,18:2)	TG	18:4/18:2/18:2	54:8	874.705	C57 H94 O6	16.262	+H

X	TG(18:4,18:2,18:2)	TG	18:4/18:2/18:2	54:8	874.705	C57 H94 O6	17.054	+H
X	TG(18:4,18:2,18:2)	TG	18:4/18:2/18:2	54:8	874.705	C57 H94 O6	18.779	+NH4
*	TG(18:4,18:3,18:3)	TG	18:4/18:3/18:3	54:10	870.6737	C57 H90 O6	18.104	+H
*	TG(18:4,18:3,18:3)	TG	18:4/18:3/18:3	54:10	870.6737	C57 H90 O6	18.369	+H
*	TG(18:4,18:3,20:5)	TG	18:4/18:3/20:5	56:12	894.6737	C59 H90 O6	17.691	+H
*	TG(19:0,18:1,18:1)	TG	19:0/18:1/18:1	55:2	900.8146	C58 H108 O6	21.003	+NH4
*	TG(19:0,18:2,18:2)	TG	19:0/18:2/18:2	55:4	896.7833	C58 H104 O6	20.29	+NH4
*	TG(20:0,16:0,18:1)	TG	20:0/16:0/18:1	54:1	888.8146	C57 H108 O6	21.177	+NH4
*	TG(20:0,18:1,18:2)	TG	20:0/18:1/18:2	56:3	912.8146	C59 H108 O6	20.878	+NH4
*	TG(20:0,18:1,22:6)	TG	20:0/18:1/22:6	60:7	960.8146	C63 H108 O6	20.569	+NH4
*	TG(20:0,18:2,18:2)	TG	20:0/18:2/18:2	56:4	910.7989	C59 H106 O6	19.309	+NH4
*	TG(20:0,18:2,22:6)	TG	20:0/18:2/22:6	60:8	958.7989	C63 H106 O6	20.245	+NH4
*	TG(20:0e,16:0,18:2)	TG	20:0e/16:0/18:2	54:2e	872.8197	C57 H108 O5	21.517	+NH4
*	TG(20:0e,18:0,18:2)	TG	20:0e/18:0/18:2	56:2e	900.851	C59 H112 O5	21.836	+NH4
*	TG(20:0e,18:1,18:2)	TG	20:0e/18:1/18:2	56:3e	898.8353	C59 H110 O5	21.471	+NH4
*	TG(20:0e,18:2,18:2)	TG	20:0e/18:2/18:2	56:4e	896.8197	C59 H108 O5	21.191	+NH4
*	TG(20:1,18:1,18:1)	TG	20:1/18:1/18:1	56:3	912.8146	C59 H108 O6	20.746	+NH4
*	TG(20:1,18:2,22:4)	TG	20:1/18:2/22:4	60:7	960.8146	C63 H108 O6	20.206	+NH4
X	TG(20:2,18:2,18:2)	TG	20:2/18:2/18:2	56:6	906.7676	C59 H102 O6	19.652	+NH4
*	TG(20:3,22:6,22:6)	TG	20:3/22:6/22:6	64:15	1000.752	C67 H100 O6	18.336	+NH4
*	TG(20:4,22:6,22:6)	TG	20:4/22:6/22:6	64:16	998.7363	C67 H98 O6	18.072	+NH4
*	TG(20:5,18:2,18:2)	TG	20:5/18:2/18:2	56:9	900.7207	C59 H96 O6	19.377	+H
X	TG(20:5,18:2,20:4)	TG	20:5/18:2/20:4	58:11	924.7207	C61 H96 O6	18.921	+H
*	TG(20:5,18:2,20:5)	TG	20:5/18:2/20:5	58:12	922.705	C61 H94 O6	18.489	+H
X	TG(20:5,18:2,22:6)	TG	20:5/18:2/22:6	60:13	948.7207	C63 H96 O6	18.175	+NH4
*	TG(20:5,18:2,22:6)	TG	20:5/18:2/22:6	60:13	948.7207	C63 H96 O6	18.724	+H
*	TG(20:5,20:4,22:6)	TG	20:5/20:4/22:6	62:15	972.7207	C65 H96 O6	18.511	+H
X	TG(22:0,18:2,18:2)	TG	22:0/18:2/18:2	58:4	938.8302	C61 H110 O6	20.958	+NH4
*	TG(22:0,18:2,20:4)	TG	22:0/18:2/20:4	60:6	962.8302	C63 H110 O6	20.837	+NH4
*	TG(22:4,18:2,22:4)	TG	22:4/18:2/22:4	62:10	982.7989	C65 H106 O6	19.718	+NH4

*	TG(22:4,18:2,22:6)	TG	22:4/18:2/22:6	62:12	978.7676	C65 H102 O6	18.961	+NH4
*	TG(22:5,18:2,18:2)	TG	22:5/18:2/18:2	58:9	928.752	C61 H100 O6	19.192	+NH4
*	TG(22:5,18:2,20:4)	TG	22:5/18:2/20:4	60:11	952.752	C63 H100 O6	18.76	+NH4
*	TG(22:5,18:2,22:6)	TG	22:5/18:2/22:6	62:13	976.752	C65 H100 O6	18.728	+NH4
*	TG(24:0,18:2,18:2)	TG	24:0/18:2/18:2	60:4	966.8615	C63 H114 O6	21.336	+NH4
*	TG(24:1,18:2,18:2)	TG	24:1/18:2/18:2	60:5	964.8459	C63 H112 O6	20.893	+NH4
*	TG(24:1,18:2,20:4)	TG	24:1/18:2/20:4	62:7	988.8459	C65 H112 O6	20.793	+NH4
X	TG(24:1,18:2,22:6)	TG	24:1/18:2/22:6	64:9	1012.8459	C67 H112 O6	20.608	+NH4
*	TG(25:0,16:0,16:0)	TG	25:0/16:0/16:0	57:0	932.8772	C60 H116 O6	22.009	+NH4
*	TG(25:0,18:1,18:2)	TG	25:0/18:1/18:2	61:3	982.8928	C64 H118 O6	21.76	+NH4
*	TG(25:0,18:2,18:2)	TG	25:0/18:2/18:2	61:4	980.8772	C64 H116 O6	21.518	+NH4
*	TG(8:0,12:0,12:0)	TG	8:0/12:0/12:0	32:0	582.4859	C35 H66 O6	13.548	+NH4
*	TG(8:0,12:0,14:0)	TG	8:0/12:0/14:0	34:0	610.5172	C37 H70 O6	15.097	+NH4
X	TG(8:0,18:1,18:2)	TG	8:0/18:1/18:2	44:3	744.6268	C47 H84 O6	17.588	+NH4
X	TG(8:0,18:2,18:2)	TG	8:0/18:2/18:2	44:4	742.6111	C47 H82 O6	16.851	+NH4
*	TG(8:0,18:2,18:3)	TG	8:0/18:2/18:3	44:5	740.5955	C47 H80 O6	16.084	+NH4
*	TG(8:0,8:0,10:0)	TG	8:0/8:0/10:0	26:0	498.392	C29 H54 O6	8.983	+NH4
*	TG(8:0,8:0,8:0)	TG	8:0/8:0/8:0	24:0	470.3607	C27 H50 O6	7.596	+NH4
*	TG(9:0,18:2,18:2)	TG	9:0/18:2/18:2	45:4	756.6268	C48 H84 O6	17.265	+NH4

Cer: ceramide, CE: cholesterol ester, CL: cardiolipin, DG: diacylglycerol, LysoPC: lysophosphatidylcholine, LysoPE: lysophosphatidylethanolamine, LysoPG: lysophosphatidylglycerol, LysoPI: lysophosphatidylinositol, LysoPS: lysophosphatidylserine, PA: phosphatidic acid, PC: phosphatidylcholine, PE: phosphatidylethanolamine, PG: phosphatidylglycerol, PI: phosphatidylinositol, PS: phosphatidylserine, So: sphingosine, SM: sphingomyelin, TG: triacylglycerol. X: detected by both one-dimensional RPLC-MS/MS and two-dimensional mixed mode-RPLC/MS-MS. *: detected only by two-dimensional mixed mode LC-RPLC/MS-MS.