Supporting information

Mass filtering combined with photochemical derivatization enables high throughput mass spectrometric analysis of unsaturated phosphatidylcholine isomers

Huimin Li [a], Qian Xiong[a], Hao Wu [b,c], Yunmei Zhang [c], Ke Zhuang [c], Yan Zhao [c,d], Hong Zhang[*,c,d], and Lunzhao Yi[*,a,b]

[a] Faculty of Food Science and Engineering, Kunming University of Science and Technology, Kunming, 650500, China.

[b] Faculty of Chemical Engineering, Kunming University of Science and Technology, Kunming, 650500, China.

[c] Department of Cardiology, First People's Hospital of Yunnan Province, The Affiliated Hospital of Kunming University of Science and Technology, Kunming, 650000, China.

[d] College of medicine, Kunming University of Science and Technology, Kunming, 650500, China.

*Correspondence: yilunzhao@kust.edu.cn; zhkhzx@yeah.net

云南省第一人民医院医学伦理委员会
项目论证报告
（正　本）

项 目 负 责 人：张云梅

项 目 名 称：心肌梗死 PCI 术后患者基于代谢组学的运动康
复方案优化及机制研究

承 担 单 位：云南省第一人民医院

一、伦理委员会对该课题方案进行了论证，并特别对
以下三方面进行了认真讨论：
1、研究对象的权利与利益；
2、确保取得知情同意的措施；
3、存在的危险与可能的受益。

二、同意实施该课题方案。实施过程中请使用经论证
的知情同意书、问卷、说明信等材料。

三、课题方案如需修改，须事先经伦理委员会论证方
可实施，修改内容及其原因需详细备案。

四、实施过程中如出现任何不良反应需立即向伦理委
员会做出书面报告。

云南省第一人民医院医学伦理委员会
2019 年 2 月 27 日

Fig. S1 The ethical certification of this study
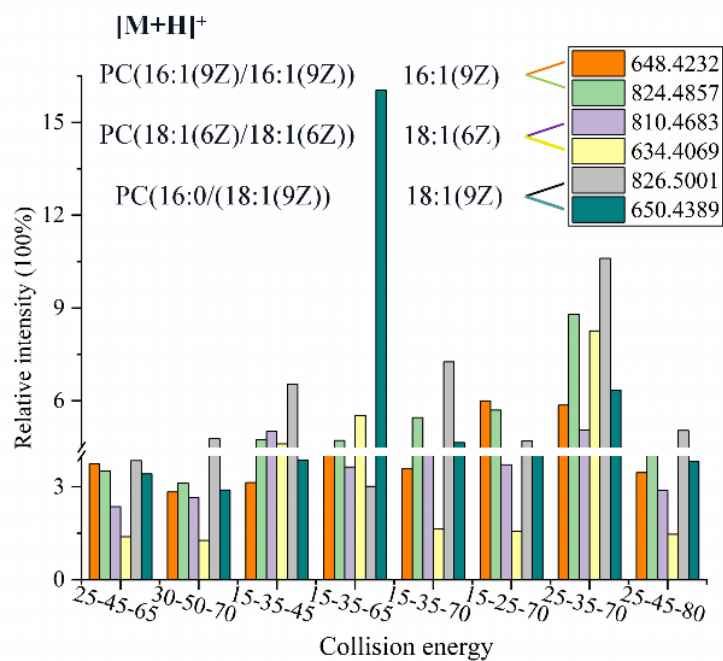
Fig. S2 Optimization of collision voltage in positive ion mode.

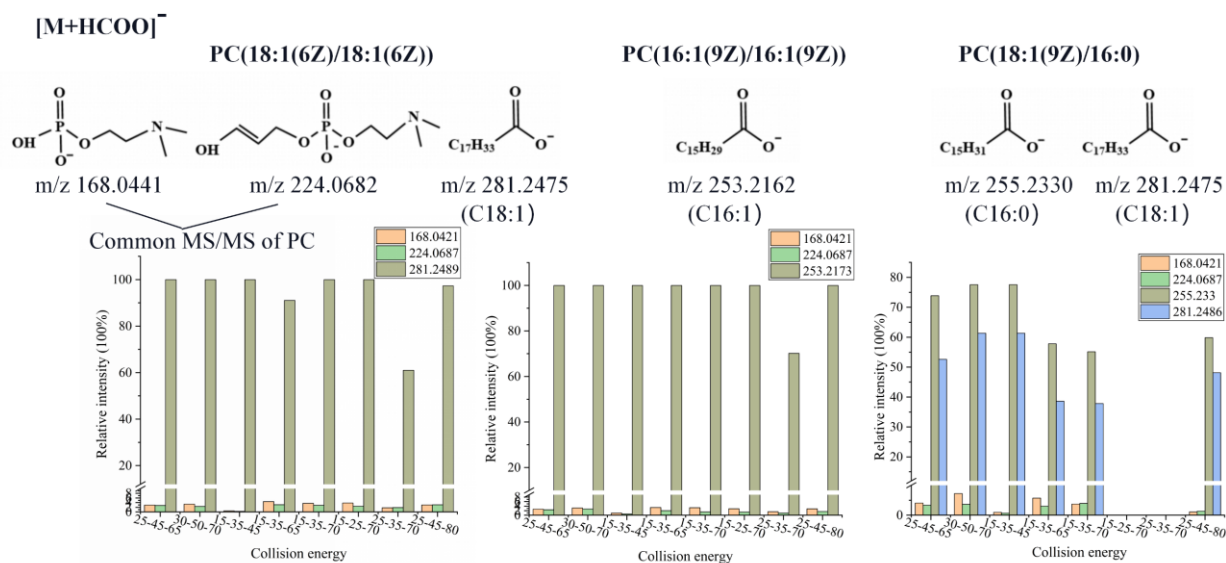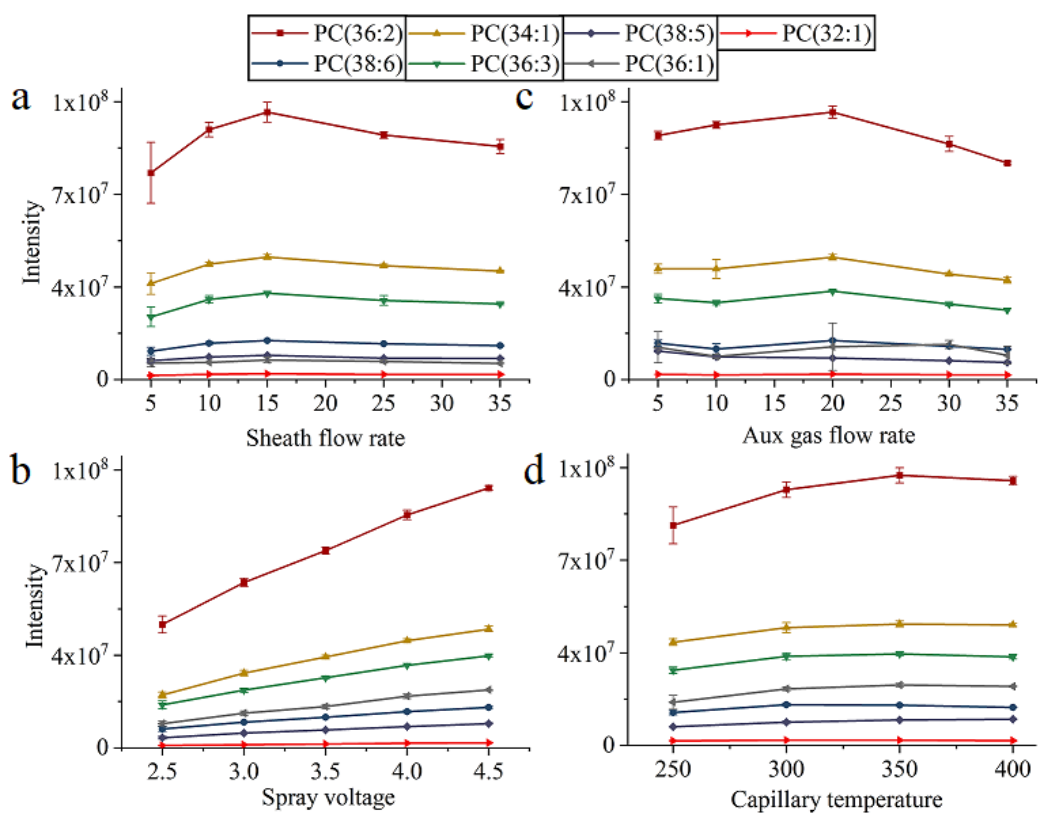**Fig. S3** Optimization of collision voltage in negative ion mode.

Fig. S4 Optimization of ion source parameters. (a) Sheath flow rate. (b) Aux gas flow rate. (c) Spray voltage. (d) Capillary temperature.
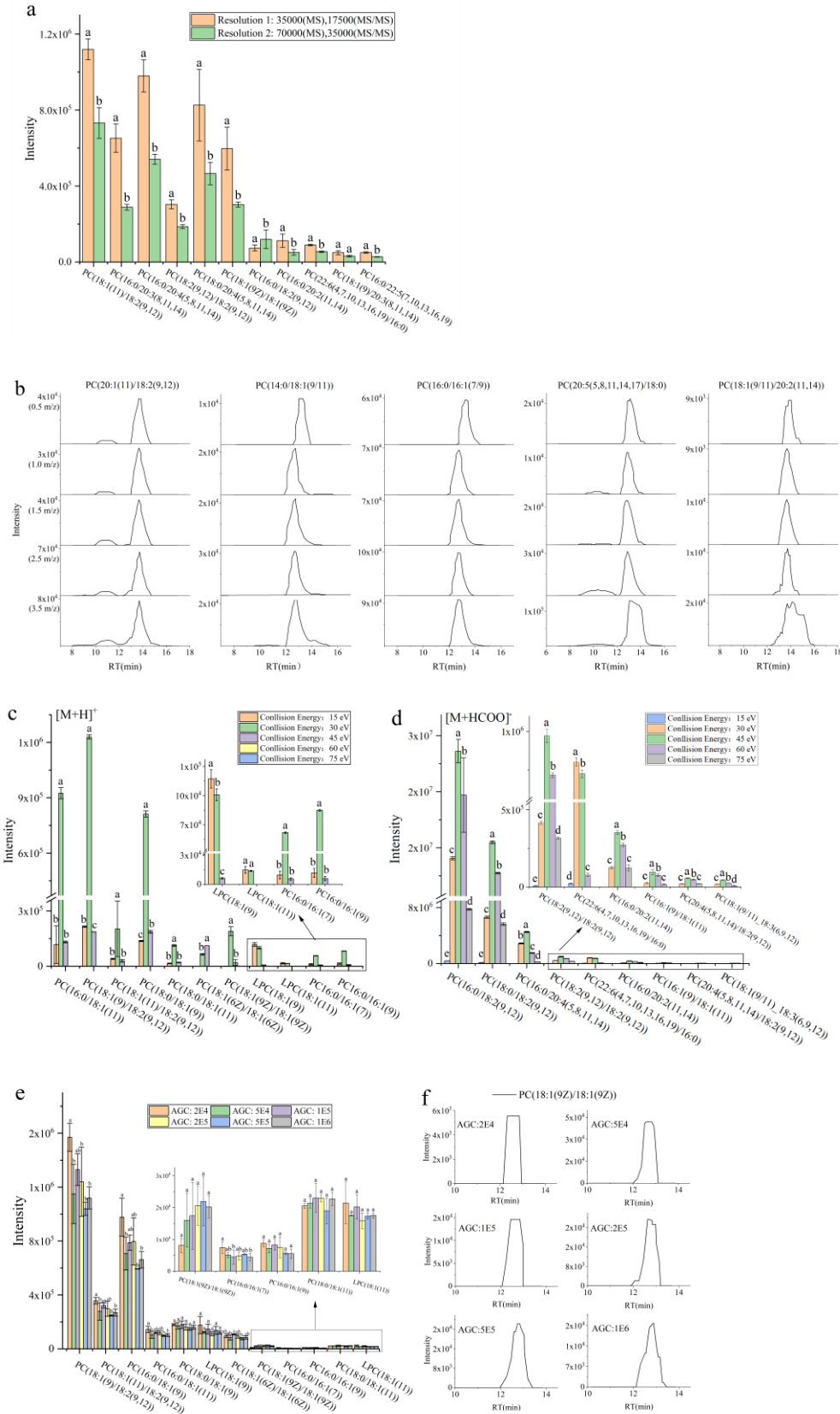
Fig. S5 Effect of PRM parameters on the mass spectrum response of quantitative ions. (a) Resolution. (b) Isolation window. (c-d) Collision energy. (e) AGC. (f) Effect of AGC parameter on chromatographic peak shape.

Table S1 The results of qualitative analysis of PCs in plasma

No.	Name	Formula	Calculated	Actual	RT (min)	MS/MS$^+$	MS/MS$^-$
1	LPC(18:2(9;12))	C$_{26}$H$_{50}$NO$_7$P	520.3398a 728.3917a1 564.3296b	728.3916a1 564.3317b	1.9	184.0733(100);104.1074(56.96); 124.9999(10.53);412.2090(8.89); 452.2404(10.41);588.2721(2.83); 628.3040(3.23)	279.2328(17.45)
2	LPC(18:2(9;12))	C$_{26}$H$_{50}$NO$_7$P	520.3398a 728.3917a1 564.3296b	728.3911a1 564.3316b	3.4	412.2089(15.49);452.2390(4.88); 588.2689(4.12);628.3063(4.82)	279.233(11.15)
3	LPC(20:4(7,10,13,16))	C$_{28}$H$_{50}$NO$_7$P	544.3398a 752.3917a1 588.3296b	752.3919a1 588.3318b	1.9	184.0734(100);124.9999(8.4); 104.1074(15.63);356.1464(0.81); 396.1785(1.61);436.2095(2.06); 476.2413(1.97); 572.2389(0.75); 612.2705(0.75); 652.3004(0.94)	303.2334(100)
4	LPC(20:4)	C$_{28}$H$_{50}$NO$_7$P	544.3398a 588.3296b	544.3396a 588.3317b	3.2	184.0734(100);104.1074(95.15);1 24.9999(18.94)	303.2339(100)
5	LPC(17:1(8))	C$_{25}$H$_{50}$NO$_7$P	508.3398a 716.3917a1 552.3296b	716.3936a1	1.7	184.0732(16.27);124.9999(1.68); 86.0969(2.45);398.2307(0.95); 574.2905(1.66)	/
6	LPC(22:4(7,10,13,16))	C$_{30}$H$_{54}$NO$_7$P	572.3711a 780.4230a1 616.3609b	780.4254a1	1.7	184.0733(100);124.9999(7.97); 104.1073(3.61);386.2227(0.23); 424.1722(0.97);464.2036(1.34); 504.2364(2.06);600.2368(0.3); 640.2646(0.32); 680.2936(0.48)	/

7	LPC(18:1(9))*	C$_{26}$H$_{52}$NO$_7$P	522.3554a 730.4073a1 566.3452b	730.4062a1 566.3474b	1.8	184.0732(100);104.1073(76.77);124.9999(11.51); 412.2089(22.48);588.2715(4.52)	281.2481(74.24)
8	LPC(18:1(11))	C$_{26}$H$_{52}$NO$_7$P	522.3554a 730.4073a1 566.3452b	730.4062a1 566.3474b	1.8	184.0732(100);104.1073(76.77);124.9999(11.51);440.2406(2.62);616.3058(0.97)	281.2481(74.24)
9	PC(34:1)| PC(16:0/18:1(9))*	C$_{42}$H$_{82}$NO$_8$P	760.5851a 968.6370a1 804.5749b	968.6364a1 804.5776b	12.7	184.0732(100);124.9999(3.4);104.1073(1.5);826.5004(0.15);650.4388(18.03)	281.2482(100); 255.2326(39.25)
10	PC(34:1)| PC(16:0/18:1(11))	C$_{42}$H$_{82}$NO$_8$P	760.5851a 968.6370a1 804.576b	968.6364a1 804.5776b	12.9	184.0732(100);124.9999(3.4);104.1073(1.5);678.4702(3.98);854.5323(1.38)	281.2482(100); 255.2326(39.25)
11	PC(36:2)| PC(18:1(6Z)/18:1(6Z))*	C$_{44}$H$_{84}$NO$_8$P	786.6007a 994.6526a1 830.5917b	994.6515a1 830.5930b	11.8	184.0732(100);124.9999(5.44);104.1073(11.56);634.4446(0.25)	281.2487(100)
12	PC(36:2)| PC(18:1(9Z)/18:1(9Z))*	C$_{44}$H$_{84}$NO$_8$P	786.6007a 994.6526a1 830.5917b	994.6515a1 830.5930b	12.6	852.5167(2.52);676.4539(1.68)	281.2487(100)
13	PC(36:2)| PC(18:0/18:2(9,12))	C$_{44}$H$_{84}$NO$_8$P	786.6007a 994.6526a1 830.5917b	994.6515a1 830.5930b	12.9	678.4699(9.72);718.5015(4.79);854.5321(3.09);894.5627(1.26)	279.2328(100); 283.2642(41.73)
14	PC(36:2)| PC(16:0/20:2(11,14))	C$_{44}$H$_{84}$NO$_8$P	786.6007a 994.6526a1 830.5917b	994.6515a1 830.5930b	12.9	678.4699(9.72);718.5015(4.79);854.5321(3.09);894.5627(1.26)	255.2323(2.63); 307.2642(4.31)

No.	Identification	Formula			RT		
15	PC(38:6)| PC(20:4(5,8,11,14)/18:2(9,12))	C$_{46}$H$_{80}$NO$_8$P	806.5694a 1014.6213a1 850.5593b	1014.6197a1 850.5615b	12.2	184.0732(100);104.1072(0.79); 618.3765(0.41);658.4077(0.67); 698.4387(0.39);738.468(1.19); 874.4967(0.02); 914.5314(0.04)	279.2326(100); 303.2313(89.03)
16	PC(38:6)| PC(18:1(9/11)/20:5(5,8,11,14,17))	C$_{46}$H$_{80}$NO$_8$P	806.5694a 1014.6213a1 850.5593b	1014.6197a1 850.5615b	12.2	620.3921(0.28);796.4548(0.18); 660.4233(3.11);836.4848(0.6); 700.4545(2.94);876.5171(1.69); 740.4857(3.3);740.5524(0.08); 916.5487(1.42);916.8982(0.05); 780.5168(2.88);956.5796(1.58)	281.2494(11.59); 301.2174(15.16)
17	PC(38:6)| PC(22:6(4,7,10,13,16,19)/16:0)	C$_{46}$H$_{80}$NO$_8$P	806.5694a 1014.6213a1 850.5593b	1014.6197a 850.5618b	12.8	580.3605(1.35),756.556(0.37); 620.3921(0.28);796.4548(0.18); 660.4233(3.11);836.4848(0.6); 700.4545(2.94);876.5171(1.69); 740.4857(3.3);740.5524(0.08); 916.5487(1.42); 916.8982(0.05); 780.5168(2.88);956.5796(1.58)	255.5329(100); 327.2326(77.88)
18	PC(34:2)	C$_{42}$H$_{80}$NO$_8$P	758.5694a 966.6213a1 802.5593b	966.6210a1 802.5615b	10.9	184.0735(100);125.0000(2.41); 104.1071(0.88)	/
19	PC(34:2)| PC(16:1(9)/18:1(11))	C$_{42}$H$_{80}$NO$_8$P	758.5694a 966.6213a1 802.5593b	966.6210a1 802.5615b	12.1	184.0733(100);124.9999(3.33); 104.1074(1.66);676.4502(0.03); 852.5161(0.04)	253.2172(50.15); 281.2490(100)
20	PC(34:2)| PC(16:0/18:2(9,12))*	C$_{42}$H$_{80}$NO$_8$P	758.5694a 966.6213a1 802.5593b	966.6210a1 802.5615b	12.1	650.4388(6.65); 866.5316(3.68); 826.5007(2.97); 690.4697(2.59)	255.2348(39.78); 279.2315(100)

21	PC(36:4)	C$_{44}$H$_{80}$NO$_8$P	782.5694a 990.6213a1 826.5593b	990.6196a1	9.9	184.0733(100);124.9999(2.38); 104.1074(0.58)	/
22	PC(36:4)| PC(18:2(9,12)/18:2(9,12))*	C$_{44}$H$_{80}$NO$_8$P	782.5694a 990.6213a1 826.5593b	990.6196a1 826.5616b	12.6	184.0733(100);124.9999(3.4); 104.1074(1.33);890.5326(4.41); 714.4701(1.45); 850.5004(2.02); 674.4384(3.56)	279.2324(100)
23	PC(36:4)| PC(18:1(9/11)_18:3(6,9,12))	C$_{44}$H$_{80}$NO$_8$P	782.5694a 990.6213a1 826.5593b	990.6196a1 826.5616b	12.6	634.4079(2.19);674.4392(1.09); 714.4689(0.16);810.4691(2.58); 850.5011(3.96);890.5306(1.53)	277.2177(3.26); 281.2489(3.54)
24	PC(36:4)| PC(16:1(9)_20:3(8,11,14))	C$_{44}$H$_{80}$NO$_8$P	782.5694a 990.6213a1 826.5593b	990.6196a1 826.5616b	12.6	634.4079(2.19);674.4392(1.09); 714.4689(0.16);810.4691(2.58); 850.5011(3.96);890.5306(1.53)	253.2170(0.39); 305.2497(0.99)
25	PC(36:4)| PC(16:0/20:4(5,8,11,14))	C$_{44}$H$_{80}$NO$_8$P	782.5694a 990.6213a1 826.5593b	990.6196a1 826.5618b	13.1	184.0733(100);104.1073(1.46); 124.9999(3.61);594.3762(3.73); 634.4079(2.19);674.4392(1.09); 714.4689(0.16);770.438(0.5); 810.4691(2.58);850.5011(3.96); 890.5306(1.53)	255.2327(65.84); 303.2328(100)
26	PC(36:3)| PC(18:1(11)/18:2(9,12))	C$_{44}$H$_{82}$NO$_8$P	784.5851a 992.637a1 828.5749b	992.6353a1 828.5771b	13.3	184.0733(100);104.1074(1.42); 124.9999(3.24);702.4694(0.35); 878.5294(0.18);676.454(4.7); 852.5166(1.44);716.4854(4.44); 892.5474(2.11)	279.233(100)；28 1.2485(44.66)

No.	Name	Formula			RT		
27	PC(36:3)| PC(18:1(9)/18:2(9,12))	C$_{44}$H$_{82}$NO$_8$P	784.5851a 992.637a1 828.5749b	992.6353a1 828.5771b	13.3	674.4391(1.38);850.5017(0.86); 676.454(4.7);852.5166(1.44); 716.4854(4.44); 892.5474(2.11)	279.233(100)；28 1.2485(44.66)
28	PC(36:3)| PC(16:0/20:3(8,11,14)	C$_{44}$H$_{82}$NO$_8$P	784.5851a 992.637a1 828.5749b	992.6353a1 828.5771b	13.8	636.4217(1.4);812.482(0.35); 676.454(4.7);852.5166(1.44); 716.4854(4.44); 892.5474(2.11)	255.2328(47.8); 305.2478(100)
29	PC(36:3)| PC(18:0/18:3(6,9,12))	C$_{44}$H$_{82}$NO$_8$P	784.5851a 992.637a1 828.5749b	992.6353a1 828.5771b	13.8	636.4217(1.4);812.482(0.35); 676.454(4.7);852.5166(1.44); 716.4854(4.44);892.5474(2.11)	277.2176(16.18); 283.2650(7.43)
30	PC(38:5)| PC(18:1(9/11)/20:4(5,8,11,14))	C$_{46}$H$_{82}$NO$_8$P	808.5851a 1016.637a1 852.5749b	1016.6346a1 852.5764b	13.1	184.0734(100);124.9999(3.33); 104.1073(1.43);620.3929(0.85); 796.455(0.09);660.4243(1.48); 836.4809(1.17);700.4553(1.3); 876.519(1.09);740.4815(0.74); 916.5466(0.99)	281.2485(75.92); 303.2334(100)
31	PC(38:5)| PC(18:1(9/11)/20:4(8,11,14,17))	C$_{46}$H$_{82}$NO$_8$P	808.5851a 1016.637a1 852.5749b	1016.6346a1 852.5764b	13.1	662.4389(1.17);838.4987(0.3); 702.4706(1.37); 878.5322(0.61); 742.5029(1.42);918.5627(0.61); 782.5312(1.2); 958.5954(0.82)	281.2485(75.92); 303.2334(100)
32	PC(38:5)| PC(18:2(9,12)_20:3(8,11,14))	C$_{46}$H$_{82}$NO$_8$P	808.5851a 1016.637a1 852.5749b	1016.6346a1 852.5764b	13.1	700.4553(1.3);876.519(1.09); 740.4815(0.74);916.5466(0.99); 660.4243(1.48); 836.4809(0.35)	279.2328(1.41); 305.2505(1.45)
33	PC(38:5)| PC(16:0/22:5(7,10,13,16,19))	C$_{46}$H$_{82}$NO$_8$P	808.5851a 1016.637a1 852.5749b	1016.6346a1 852.5770b	13.2	622.4086(0.92);798.4669(0.26); 662.4389(1.17);838.4987(0.3); 702.4706(1.37);878.5322(0.61);	255.2329(77.27); 329.2483(100)

No		Formula			RT		
34	PC(38:5)| PC(20:5(5,8,11,14,17)/18:0)	C$_{46}$H$_{82}$NO$_8$P	808.5851a 1016.637a1 852.5749b	1016.6346a1 852.5768b	13.5	742.5029(1.42);918.5627(0.61); 782.5312(1.2); 958.5954(0.82) 622.4086(0.92);798.4669(0.26); 662.4389(1.17);838.4987(0.3); 702.4706(1.37);878.5322(0.61); 742.5029(1.42);918.5627(0.61); 782.5312(1.2); 958.5954(0.82)	283.2647(42.63); 301.2172(37.84)
35	PC(36:1)| PC(18:0/18:1)	C$_{44}$H$_{86}$NO$_8$P	788.6164a 996.6683a1 832.6062b	996.6672a1 832.5983b	12.9	184.0732(100);124.9999(3.48); 104.1072(1.87);678.4700(1.38); 706.4984(0.12)	281.2486(100); 283.2641(37.47)
36	PC(36:1)| PC(18:0/18:1(9))*	C$_{44}$H$_{86}$NO$_8$P	788.6164a 996.6683a1 832.6062b	996.6672a1 832.6089b	13.9	184.0732(100);124.9999(3.48); 104.1072(1.87);678.4700(10.46); 854.5315(4.07)	281.2486(100); 283.2641(37.47)
37	PC(36:1)| PC(18:0/18:1(11))	C$_{44}$H$_{86}$NO$_8$P	788.6164a 996.6683a1 832.6062b	996.6672a1 832.6089b	13.9	706.4984(3.15); 882.5612(0.54)	281.2486(100); 283.2641(37.47)
38	PC(36:1)| PC(16:0/20:1(11))	C$_{44}$H$_{86}$NO$_8$P	788.6164a 996.6683a1 832.6062b	996.6672a1 832.6089b	13.9	678.4700(10.46); 854.5315(4.07)	255.2333(2.74); 309.2812(4.02)
39	PC(38:4)| PC(18:1(9)/20:3(8,11,14))	C$_{46}$H$_{84}$NO$_8$P	810.6007a 1018.6526a1 854.5906b	1018.6510a1 854.5920b	11.9	184.0732(100);124.9999(2.89); 104.1073(1.46);662.4366(0.36); 838.5018(0.04);700.4527(0.3); 876.501(0.05);702.4702(0.48); 878.5282(0.19);742.5004(1.87); 918.5589(0.33)	305.2484(100); 281.2484(46.6)

No.	Identification	Formula			t_R		
40	PC(38:4)| PC(18:0/20:4(5,8,11,14))	C$_{46}$H$_{84}$NO$_8$P	810.6007a 1018.6526a1 854.5906b	1018.6506a1 854.5928b	12.6	622.4070(2.59);662.4385(3.03); 702.4696(3.87);742.5003(6.32); 798.4685(0.08);838.5005(1.04); 878.5323(2.97); 918.5627(1.95)	283.2639(69); 303.2332(100)
41	PC(38:4)| PC(18:0/20:4(5,8,11,14))	C$_{46}$H$_{84}$NO$_8$P	810.6007a 1018.6526a1 854.5906b	1018.6512a1 854.5930b	12.9	622.4070(2.59);662.4385(3.03); 702.4696(3.87);742.5003(6.32); 798.4685(0.08);838.5005(1.04); 878.5323(2.97); 918.5627(1.95)	283.2639(69); 303.2332(100)
42	PC(38:3)| PC(20:1(11)/(18:2(9,12))	C$_{46}$H$_{86}$NO$_8$P	812.6164a 1020.6683a1 856.6062b	1020.6671a1 856.5988b	14.2	184.0733(100);124.9999(2.98); 104.1073(1.29);664.4549(1.94); 704.4859(2.83);744.5153(1.33); 840.5173(1.62);880.5432(1.13); 920.5787(1.12)	279.2327(100); 309.2729(38.32)
43	PC(38:3)| PC(18:1(9/11)/20:2(11,14))	C$_{46}$H$_{86}$NO$_8$P	812.6164a 1020.6683a1 856.6062b	1020.6671a1 856.5988b	14.2	664.4549(1.94);704.4859(2.83); 744.5153(1.33);840.5173(1.62); 880.5432(1.13); 920.5787(1.12)	307.2646(13.55); 281.2487(9.8)
44	PC(38:3)| PC(18:0/20:3(8,11,14))	C$_{46}$H$_{86}$NO$_8$P	812.6164a 1020.6683a1 856.6062b	1020.6671a1 856.9085b	15.1	664.4549(1.94);704.4859(2.83); 744.5153(1.33);840.5173(1.62); 880.5432(1.13); 920.5787(1.12)	283.2642(51.07); 305.2480(100)
45	PC(33:2)| PC(15:0/18:2(9,12))	C$_{41}$H$_{78}$NO$_8$P	744.5538a 952.6057a1 788.5436b	952.6045a1 788.5449b	13.2	184.0734(100);124.9998(8.27); 104.1072(1.12);636.4219(7.17); 676.4535(5.37);812.4849(1.68); 852.5136(1.77)	279.2334(100); 241.2168(33.27)
46	PC(33:1)| PC(16:0/17:1(9))	C$_{41}$H$_{80}$NO$_8$P	746.5694a 954.6213a1 790.5593b	954.6187a1 790.5621b	12.7	184.0734(100);125.0961(6.85); 650.4376(4.95)	267.2327(64); 255.2327(34.63)

47	PC(33:1)| PC(15:0/18:1(9))	$C_{41}H_{80}NO_8P$	746.5694a 954.6213a1 790.5593b	954.6187a1 790.5621b	12.7	636.421(11.14)	281.2484(100); 241.2167(34.75)
48	PC(36:5)| PC(18:3(9,12,15)/18:2(12,15))	$C_{44}H_{78}NO_8P$	780.5538a 988.6057a1 824.5436b	988.6024a1 824.5454b	12.0	184.0734(100);125.0000(3.05); 104.1073(0.38);674.4382(1.07); 714.4701(1.22); 754.4989(2.26); 850.503(0.52);890.5309(0.83); 930.5579(0.23)	277.2127(63.7); 279.2327(100)
49	PC(36:5)| PC(16:1(9)/20:4(8,11,14,17))	$C_{44}H_{78}NO_8P$	780.5538a 988.6057a1 824.5436b	988.6024a1 824.5454b	12.0	674.4382(1.07);714.4701(1.22); 754.4989(2.26); 810.466(0.14); 850.503(0.52);890.5309(0.83); 930.5579(0.23)	253.2172(27.57); 303.2331(32.72)
50	PC(36:5)| PC(20:5(5,8,11,14,17/16:0)	$C_{44}H_{78}NO_8P$	780.5538a 988.6057a1 824.5436b	988.6024a1 824.5454b	12.4	594.3745(0.34);634.4053(1.55); 674.4382(1.07);714.4701(1.22); 754.4989(2.26);810.466(0.14); 850.503(0.52);890.5309(0.83); 930.5579(0.23)	255.2332(100); 301.2173(63.09)
51	PC(36:5)| PC(16:0/20:5(5,8,11,14,17))	$C_{44}H_{78}NO_8P$	780.5538a 988.6057a1 824.5436b	988.6024a1 824.5454b	12.4	594.3745(0.34);634.4053(1.55); 674.4382(1.07);714.4701(1.22); 754.4989(2.26);810.466(0.14); 850.503(0.52);890.5309(0.83); 930.5579(0.23)	255.2332(90.22); 301.2173(100)
52	PC(40:7)| PC(20:4/20:3)	$C_{48}H_{82}NO_8P$	832.5851a 1040.637a1 876.5749b	1040.6342a1 876.5759b	10.0	/	303.2328(7.17); 305.2489(16.03)

No.	Identification	Formula			RT		
53	PC(40:7)| PC(22:6(4,7,10,13,16,19)/18:1(9))	C$_{48}$H$_{82}$NO$_8$P	832.5851a 1040.637a1 876.5749b	1040.6342a1 876.5759b	13.3	125.0000(1.16);184.0732(49.8); 646.3991(0.16); 686.4349(0.35); 722.4378(0.33);726.4698(0.74); 766.5047(0.57);806.5314(0.65); 902.5279(0.11);942.5546(0.35); 982.5894(0.35)	281.2490(100); 327.2337(62.08)
54	PC(32:2)| PC(14:0/18:2(9,12))	C$_{40}$H$_{76}$NO$_8$P	730.5381a 938.5900a1 774.5280b	938.5912a1 774.5273b	11.2	104.1074(0.97);125.0001(3.57); 184.0734(100);622.4082(4.57); 662.4394(7.58);798.4676(0.87); 838.498(1.45)	227.2017(36.04); 279.2234(100)
55	PC(32:2)| PC(16:1/16:1)	C$_{40}$H$_{76}$NO$_8$P	730.5381a 938.5900a1 774.5280b	938.5912a1 774.5273b	11.2	/	253.2175(1.86)
56	PC(32:1)| PC(16:0/16:1(7))	C$_{40}$H$_{78}$NO$_8$P	732.5538a 940.6057a1 776.5436b	940.6041a1 776.5451b	12.2	104.1074(0.65);124.9999(3.71); 184.0733(100);622.4056(6.95); 798.4661(0.56)	253.2175(100); 255.2330(26.73)
57	PC(32:1)| PC(16:0/16:1(9))	C$_{40}$H$_{78}$NO$_8$P	732.5538a 940.6057a1 776.5436b	940.6041a1 776.5451b	12.2	650.4388(12.12);826.5013(2.66)	253.2175(100); 255.2330(26.73)
58	PC(32:1)| PC(14:0/18:1(9/11))	C$_{40}$H$_{78}$NO$_8$P	732.5538a 940.6057a1 776.5436b	940.6041a1 776.5451b	12.2	650.4388(12.12);826.5013(2.66); 622.4056(6.95); 798.4661(0.56)	227.2017(11.88); 281.2493(35.35)
59	PC(34:3)| PC(16:1(9)/18:2(9,12))	C$_{42}$H$_{78}$NO$_8$P	756.5538a 964.6057a1 800.5436b	964.6058a1 800.5460b	12.7	184.0734(100);104.1074(33.35);1 24.9999(4.93);646.4072(0.34); 648.4228(2.79);688.454(2.89);	279.2335(100); 253.2175(40.08)

No.	Name	Formula			RT		
				822.4533(0.14);824.4827(0.2); 864.5051(0.14)			
60	PC(34:3)| PC(16:0/18:3(6,9,12))	$C_{42}H_{78}NO_8P$	756.5538a 964.6057a1 800.5436b	964.6055a1 800.5460b	12.8	650.4387(1.91);688.454(2.89); 826.5007(0.51); 864.5051(0.14)	277.2175(100); 255.2331(47.37)
61	PC35:2)| PC(16:0/19:2)	$C_{43}H_{82}NO_8P$	772.5851a 980.637a1 816.5749b	816.6047b	12.8	/	255.2330(0.05); 293.2487(0.5)
62	PC35:2)| PC(17:1(9)/18:1(9))	$C_{43}H_{82}NO_8P$	772.5851a 980.637a1 816.5749b	980.6365a1 816.6047b	12.8	184.0734(100);104.1074(36.54);124.9999(3.57);704.4858(12.76);880.5452(1.3)	267.234(0.32); 281.2493(1.22)
63	PC(35:2)| PC(17:0/18:2(9,12))	$C_{43}H_{82}NO_8P$	772.5851a 980.637a1 816.5749b	980.6365a1 816.6047b	12.8	664.454(7.56);704.4858(12.76); 840.5149(2.16); 880.5452(1.3)	269.2490(34.02); 279.2333(100)
64	PC(35:1)| PC(17:0/18:1)	$C_{43}H_{84}NO_8P$	774.6007a 982.6526a1 818.5917b	774.5997a 818.5919b	15.2	184.0733(100);124.9999(7.12); 104.1074(1.32)	281.2484(100); 269.2487(34.76)
65	PC(35:1)| PC(16:0/19:1)	$C_{43}H_{84}NO_8P$	774.6007a 982.6526a1 818.5917b	774.5997a 818.5919b	15.2	184.0733(100);124.9999(7.12); 104.1074(1.32)	255.2326(7.86); 295.2639(9.57)
66	PC(38:7)| PC(20:5/18:2)	$C_{46}H_{78}NO_8P$	804.5538a 1012.6057a1 848.5447b	804.5508a 848.5439b	11.2	184.0733(100);124.9999(6.95); 104.1073(1.31)	279.2325(100); 301.2170(84.06)
67	PC(38:7)| PC(18:3/20:4)	$C_{46}H_{78}NO_8P$	804.5538a 1012.6057a1 848.5447b	804.5508a 848.5439b	11.2	184.0733(100);124.9999(6.95); 104.1073(1.31)	277.2168(18.29); 303.2322(22.55)

No.	Identification	Formula	Theoretical m/z	Measured m/z	RT	Fragment ions	
68	PC(38:7)| PC(22:6/16:1)	C₄₆H₇₈NO₈P	804.5538a 1012.6057a1 848.5447b	804.5508a 848.5439b	11.4	184.0733(100);124.9999(6.95); 104.1073(1.31)	253.2171(44.47); 327.2327(31.87)
69	PC(38:2)| PC(18:0/20:2(11,14))	C₄₆H₈₈NO₈P	814.6320a 1022.6839a1 858.6219b	1022.6833a1 858.6241b	13.6	184.0732(16.27);124.9999(1.68); 86.0969(2.45);706.4917(1.84); 882.5533(1.55);746.5191(1.58); 922.5818(1.69)	283.2644(1.01); 307.2643(7.70)
70	PC(38:2)| PC(18:1(12)/20:1(14))	C₄₆H₈₈NO₈P	814.6320a 1022.6839a1 858.6219b	1022.6833a1 858.6241b	13.6	706.4917(1.84);882.5533(1.55); 746.5191(1.58);922.5818(1.69)	281.2484(2.49); 309.2798(1.22)
71	PC(36:6)| PC(24:1_12:5)	C₄₄H₇₆NO₈P	778.5381a 986.5900a1 822.5280b	778.5381a 822.5286b	11.7	184.0734(100);124.9998(7.43); 104.1072(1.00)	365.3439(100)
72	PC(36:6)| PC(14:0/22:6)	C₄₄H₇₆NO₈P	778.5381a 986.5900a1 822.5280b	778.5381a 822.5286b	11.7	184.0734(100);124.9998(7.43); 104.1072(1.00)	327.2330(67.57); 227.2012(12.45);
73	PC(36:6)	C₄₄H₇₆NO₈P	778.5381a 986.5900a1 822.5280b	778.5381a 822.5286b	11.8	184.0734(75.73);125.0000(3.54)	/
74	PC(35:4)| PC(15:0/20:4)	C₄₃H₇₈NO₈P	768.5538a 976.6057a1 812.5436b	768.5540a 766.5401b	13.3	184.0734(75.73);125.0000(4.87); 104.1072(0.67)	303.2336(100); 241.2178(63.833)
75	PC(37:4)| PC(17:0/20:4)	C₄₅H₈₂NO₈P	796.5851a 1004.637a1 840.5749b	796.5862a 840.5746b	13.4	184.0734(100);125.0000(8.46); 104.1072(1.05)	303.2333(100); 269.2486(59.87)

76	PC(37:6)| PC(15:0/22:6)	C$_{45}$H$_{78}$NO$_8$P	792.5538a 1000.6057a1 836.5447b	792.5524a 836.5441b	11.9	184.0732(100);124.9999(7.07)	241.2170(25.74); 327.2327(41.48)
77	PC(37:6)| PC(15:0/22:6)	C$_{45}$H$_{78}$NO$_8$P	792.5538a 1000.6057a1 836.5447b	792.5524a 836.5441b	12.4	184.0732(100);124.9999(7.07)	241.2170(25.74); 327.2327(41.48)
78	PC(32:0)| PC(14:0/18:0)	C$_{40}$H$_{80}$NO$_8$P	734.5694a 778.5593b	734.5685a 778.5600b	15.0	184.0733(100);124.9998(8.78); 104.1072(1.29)	227.2016(0.09); 283.2639(0.34)
79	PC(32:0)| PC(16:0/16:0)	C$_{40}$H$_{80}$NO$_8$P	734.5694a 778.5593b	734.5685a 778.5600b	15.0	184.0733(100);124.9998(8.78); 104.1072(1.29)	255.2326(100)
80	LPC(20:2)	C$_{28}$H$_{54}$NO$_7$P	548.3711a 756.423a1 592.3609b	756.4227a1	1.7	184.0733(100);125.0000(9.65); 104.1072(1.16)	/
81	LPC(22:5)	C$_{30}$H$_{52}$NO$_7$P	570.3554a 778.4073a1 614.3452b	778.4120a1	1.9	184.0733(100);124.9999(7.51); 104.1072(0.67)	/
82	PC(P-34:2/O-34:3)| PC(P-16:0_18:2)/ PC(O-16:1_18:2)	C$_{42}$H$_{80}$NO$_7$P	742.5745a 950.6264a1 786.5643b	950.6264a1 786.5662b	14.7	184.0734(94.51);125.0000(4.87); 104.1072(0.67)	279.2331(100)
83	PC(P-36:5)	C$_{44}$H$_{78}$NO$_7$P	764.5589a 972.6108a1 762.5443b	764.5556a	13.2	184.0734(13.24)	/
84	PC(P-36:2/O-36:3)	C$_{44}$H$_{84}$NO$_7$P	770.6058a 978.6577a1 814.5956b	770.6047a	15.4	184.0734(100);124.9999(6.55); 104.1074(1.21)	/

No.	Name	Formula		m/z	RT	MS/MS	
			798.6007a				
85	PC(37:3)	$C_{45}H_{84}NO_8P$	1006.6526a1	1006.6516a1	12.2	184.07352(59.42)	/
			842.5906b				
			738.5068a				
86	PC(33:5)	$C_{41}H_{72}NO_8P$	946.5587a1	782.4971b	12.3	/	/
			782.4967b				
			742.5381a				
87	PC(33:3)	$C_{41}H_{76}NO_8P$	950.5900a1	742.5359a	11.9	184.0732(4.21)	/
			786.5280b				
			742.5381a				
88	PC(33:3)	$C_{41}H_{76}NO_8P$	950.5900a1	742.5364a	12.7	184.0732(4.38)	/
			786.5280b				
			764.5225a				
89	PC(35:6)	$C_{43}H_{74}NO_8P$	972.5744a1	764.5217a	12.1	184.0735(2.92)	/
			808.5134b				
			766.5381a				
90	PC(35:5)	$C_{43}H_{76}NO_8P$	974.5900a1	766.5369a	11.9	184.0733(7.86)	/
			810.5291b				
			790.5381a			184.0733(100);124.9999(6.95);	
91	PC(37:7)	$C_{45}H_{76}NO_8P$	998.5900a1	790.5370a	11.6	104.1073(1.85)	/
			834.5291b				
			790.5381a			184.0733(100);124.9999(6.95);	
92	PC(37:7)	$C_{45}H_{76}NO_8P$	998.5900a1	790.5370a	12.7	104.1073(1.85)	/
			834.5291b				

93	LPC(P-16:0/O-16:1)	$C_{24}H_{50}NO_6P$	480.3449a 688.3968a1 524.3347b	480.3446a	2.4	184.0733(8.55);124.9999(12.92); 104.1073(19.07)	/
94	LPC(P-16:0/O-16:1)	$C_{24}H_{50}NO_6P$	480.3449a 688.3968a1 524.3347b	480.3446a	4.6	184.0733(8.55);124.9999(12.92); 104.1073(19.07)	/
95	LPC(P-18:1/O-18:2)	$C_{26}H_{52}NO_6P$	506.3605a 714.4124a1 550.3503b	714.4096a1	1.7	184.0734(100);124.9998(7.43); 104.1072(1.00)	/
96	PC(P-31:2/O-31:3)	$C_{39}H_{74}NO_7P$	700.5276a 908.5795a1 744.517b	700.5270a	12.7	184.0737(7.73)	/
97	PC(P-31:1/O-31:2)	$C_{39}H_{76}NO_7P$	702.5432a 910.5951a1 746.5330b	702.5364a	3.8	184.0730(35.5);124.9998(7.43); 104.1075(7.98)	/
98	PC(P-33:2/O-33:3)	$C_{41}H_{78}NO_7P$	728.5589a 772.5487b	728.5568a	13.3	184.0731(7.58)	/
99	PC(P-34:4/O-34:5)	$C_{42}H_{76}NO_7P$	738.5432a 782.5330b	738.0485a	9.7	184.0733(14.04)	/
100	PC(P-34:0/O-34:1)	$C_{42}H_{84}NO_7P$	746.6058a 790.5956b	746.6044a	16.8	184.0733(100);124.9998(8.29); 104.1073(1.77)	/
101	PC(P-35:6/O-35:7)	$C_{43}H_{74}NO_7P$	748.5276a 792.5174b	748.5264a	12.0	184.0732(10.58)	/
102	PC(P-36:5/O-36:6)	$C_{44}H_{78}NO_7P$	764.5589a 808.5487b	764.5581a	12.7	104.1073(1.02);184.0733(100)	/

103	PC(P-36:4/O-36:5)	C$_{44}$H$_{80}$NO$_7$P	766.5745a 810.5643b	766.5734a	13.6	184.0732(100);124.9998(7.64); 104.1073(1.16)	/
104	PC(P-36:3/O-36:4)	C$_{44}$H$_{82}$NO$_7$P	768.5902a 812.5800b	768.5889a	14.4	184.0733(100);124.9998(7.73); 104.1073(1.37)	/
105	PC(P-39:9/O-39:10)	C$_{47}$H$_{76}$NO$_7$P	798.5432a 842.5330b	798.5414a	14.2	184.0733(100);124.9999(6.4); 104.1073(1.04)	/
106	PC(P-38:6/O-38:7)	C$_{46}$H$_{80}$NO$_7$P	790.5745a 834.5643b	790.5728a	12.9	184.0733(100);124.9999(7.65); 104.1073(1.68)	/
107	PC(P-38:6/O-38:7)	C$_{46}$H$_{80}$NO$_7$P	790.5745a 834.5643b	790.5728a	13.3	184.0733(100);124.9999(7.65); 104.1073(1.68)	/
108	PC(P-37:6/O-37:7)	C$_{45}$H$_{78}$NO$_7$P	776.5589a 820.5487b	776.5591a	12.8	184.0733(34.35)	/
109	PC P-18:0-22:2	C$_{48}$H$_{92}$NO$_7$P	826.6684a 870.6582b	826.6661a	18.2	184.0733(100);124.9999(5.01); 104.1074(2.01)	/
110	PC P-20:0-22:4	C$_{50}$H$_{92}$NO$_7$P	850.6684a 894.6582b	850.6669a	16.6	184.0733(100);124.9999(5.39); 104.1074(1.46)	/
111	PC(O-22:2/22:3)	C$_{52}$H$_{96}$NO$_7$P	878.6997a 922.6906b	878.6985a	18.6	184.0733(100);124.9999(3.99); 104.1074(1.21)	/
112	LPC(18:3)	C$_{26}$H$_{48}$NO$_7$P	518.3241a 563.3218b	518.3214a	1.9	184.0734(100);124.9999(9.0); 104.1074(3.89)	/
113	LPC(16:1)	C$_{24}$H$_{48}$NO$_7$P	494.3241a 516.3061a1 538.3139b	494.3237a	1.9	184.0734(100);124.9999(9.0); 104.1074(3.89)	/
114	LPC(16:1)	C$_{24}$H$_{48}$NO$_7$P	494.3241a 538.3139b	494.3239a	1.7	184.0734(100);124.9999(9.5)	/

115	LPC(17:4)	$C_{25}H_{44}NO_7P$	502.2928a 545.2760b	502.2917a	1.7	184.0734(100);124.9999(8.06); 104.1073(0.97)	/
116	LPC(20:5)	$C_{28}H_{48}NO_7P$	542.3241a 586.3139b	542.3214a	1.9	184.0734(100);124.9999(8.06); 104.1073(0.97)	/
117	LPC(20:5)	$C_{28}H_{48}NO_7P$	542.3241a 586.3139b	542.3216a	1.7	184.0734(100);124.9999(8.06); 104.1073(0.97)	/
118	LPC(20:3)	$C_{28}H_{52}NO_7P$	546.3554a 590.3452b	546.3568a	1.8	/	/
119	LPC(22:6)	$C_{30}H_{50}NO_7P$	568.3398a 612.3296b	568.3391a	1.7	184.0734(98.59);104.1074(100);1 24.9999(29.60)	/
120	LPC(22:6)	$C_{30}H_{50}NO_7P$	568.3398a 612.3296b	568.3394a	2.7	184.0734(100);104.1074(92.09);1 24.9999(27.25)	/
121	PC(31:1)	$C_{39}H_{76}NO_8P$	718.5381a 762.5280b	718.5363a	12.7	184.0732(83.26);124.9998(8.48)	/
122	LPC(22:1)	$C_{30}H_{60}NO_7P$	578.4180a 786.4699a1 622.4078b	786.4726a1	12.0	184.0734(100);124.9998(7.61); 104.1072(0.67)	/
123	LPC(20:1)	$C_{28}H_{56}NO_7P$	550.3867a 758.4386a1 594.3765b	758.4340a1	1.7	/	/
124	LPC(20:1)	$C_{28}H_{56}NO_7P$	550.3867a 758.4386a1 594.3765b	758.4340a1	3.2	/	/
125	LPC(26:1)	$C_{34}H_{68}NO_7P$	634.4806a 810.4686a1 678.4704b	810.4739a1	1.7	184.0734(94.51);124.9998(7.61); 104.1072(0.67)	/

126	LPC(14:0)	$C_{22}H_{46}NO_7P$	468.3085a 512.2983b	468.3080a	1.9	184.0734(100);124.9998(7.61); 104.1072(0.67)	/
127	LPC(14:0)	$C_{22}H_{46}NO_7P$	468.3085a 512.2983b	468.3080a	2.9	184.0734(100);124.9998(7.61); 104.1072(0.67)	/
128	LPC(15:0)	$C_{23}H_{48}NO_7P$	482.3241a 526.3139b	482.3239a	1.9	184.0731(21.12);124.9998(17.61) ; 104.1072(6.19)	/
129	LPC(16:0)	$C_{24}H_{50}NO_7P$	496.3398a 540.3296b	496.3389a	1.8	184.0733(100);124.9998(31.09); 104.1072(92.96)	/
130	LPC(18:0)	$C_{26}H_{54}NO_7P$	524.3711a 568.3609b	524.3707a	1.9	184.0733(100);124.9998(27.38); 104.1072(83.6)	/
131	LPC(26:0)	$C_{34}H_{68}NO_8P$	650.4755a 694.4654b	650.4756a	11.3	184.0733(100);124.9998(27.38); 104.1072(83.6)	/
132	PC(30:0)	$C_{38}H_{76}NO_8P$	706.5381a 750.5280b	706.5359a	13.6	184.0733(100);124.9999(10.91); 104.1074(1.46)	/
133	LPC(20:0)	$C_{28}H_{58}NO_7P$	552.4024a 596.3922b	552.4021a	8.6	184.0733(100);124.9999(19.7); 104.1074(57.98)	/
134	PC(34:0)	$C_{42}H_{84}NO_8P$	762.6007a 806.5906b	762.5990a	15.8	184.0733(100);124.9999(6.83); 104.1074(0.98)	/

Notes: a: $[M+H]^+$; a1: $[M*AQ+H]^+$; b: $[M+HCOO]^-$; *: Identified by standards.

Table S2 Quantitative analysis results of PCs and its isomers in myocardial infarction patients after PCI before and after exercise rehabilitation

No.	Name	Before (μg/mL)	After (μg/mL)
1	PC(20:5/18:2)	0.0017±0.0012	0.0020±0.0019
2	PC(18:3/20:4)	0.0053±0.0035	0.0054±0.0039
3	PC(22:6/16:1)	0.0031±0.0019	0.0033±0.0022
4	PC(18:3(9,12,15)/18:2(12,15))	0.0168±0.0090	0.0192±0.0093
5	PC(16:1(9)/20:4(8,11,14,17))	0.0128±0.0048	0.0150±0.0060
6	PC(20:5(5,8,11,14,17/16:0)	0.0947±0.0435	0.1025±0.0658
7	PC(20:4(5,8,11,14)/18:2(9,12))	0.0813±0.0265	0.1004±0.0302
8	PC(18:1(9/11)/20:5(5,8,11,14,17))	0.0122±0.0072	0.0125±0.0081
9	PC(22:6(4,7,10,13,16,19)/16:0)	0.5973±0.2352	0.6462±0.2463
10	PC(14:0/18:2(9,12))	0.0220±0.0131	0.0204±0.0120
11	PC(16:1/16:1)	0.0051±0.0061	0.0053±0.0046
12	PC(20:4/20:3)	0.0052±0.0024	0.0061±0.0032
13	PC(22:6(4,7,10,13,16,19)/18:1(9))	0.0454±0.0192	0.0487±0.0214
14	PC(16:1(9)/18:2(9,12))	0.1620±0.0666	0.1729±0.0731
15	PC(16:0/18:3(6,9,12))	0.1566±0.0738	0.1684±0.0858
16	PC(18:2(9,12)/18:2(9,12))	1.0202±0.5820	1.1266±0.5061
17	PC(18:1(9/11)_18:3(6,9,12))	0.0230±0.0150	0.0232±0.0139
18	PC(16:1(9)_20:3(8,11,14))	0.0156±0.0089	0.0154±0.0096
19	PC(16:0/20:4(5,8,11,14))	4.4770±1.2495	5.3123±1.7925
20	PC(18:2(9,12)_20:3(8,11,14))	0.0254±0.0133	0.0268±0.0138
21	PC(18:1(9/11)/20:4(5,8,11,14/8,11,14,17))	0.1939±0.0671	0.2253±0.0766
22	PC(16:0/22:5(7,10,13,16,19))	0.1325±0.0491	0.1421±0.0541
23	PC(20:5(5,8,11,14,17)/18:0)	0.0800±0.0380	0.0793±0.0507
24	PC(14:0/18:1(9/11))	0.0547±0.0298	0.0499±0.0246
25	PC(16:0/16:1(7/9))	0.1708±0.1365	0.1807±0.1275
26	PC(16:1(9)/18:1(11))	0.1358±0.0687	0.1418±0.0724
27	PC(16:0/18:2(9,12))	15.2542±8.3693	15.6763±6.7057
28	PC(18:1(9/11)/18:2(9,12))	1.9014±0.6660	2.1623±0.7335
29	PC(16:0/20:3(8,11,14)	2.0822±0.8219	2.1071±0.8346
30	PC(18:0/18:3(6,9,12))	0.0820±0.0440	0.0887±0.0582
31	PC(18:1(11)/18:2(9,12))	0.0030±0.0013	0.0036±0.0015
32	PC(18:1(9)/18:2(9,12))	0.0149±0.0053	0.0182±0.0058
33	PC(18:1(9)/20:3(8,11,14))	0.1462±0.0572	0.1492±0.0697
34	PC(18:0/20:4(5,8,11,14))	1.5743±0.5048	1.7634±0.5855
35	PC(16:0/17:1(9))	0.0209±0.0113	0.0237±0.0138
36	PC(15:0/18:1(9))	0.0693±0.0415	0.0774±0.0290
37	PC(17:1(9)/18:1(9))	0.0391±0.0223	0.0484±0.0189
38	PC(17:0/18:2(9,12))	0.0870±0.0351	0.0965±0.0348
39	PC(18:1(9/11)/20:2(11,14))	0.0362±0.0148	0.0411±0.0179
40	PC(20:1(11)/(18:2(9,12))	0.1067±0.0718	0.1102±0.0535
41	PC(18:0/20:3(8,11,14))	1.6897±0.7030	1.6224±0.7101

42	PC(16:0/20:2(11,14))	0.2522±0.0867	0.2899±0.1053
43	PC(18:0/18:2(9,12))	9.2844±3.3549	10.0203±3.0450
44	PC(18:1(9Z)/18:1(9Z))	0.0020±0.0008	0.0023±0.0010
45	PC(18:1(6Z)/18:1(6Z))	0.0021±0.0009	0.0025±0.0008
46	PC(14:0/18:0)	0.0026±0.0018	0.0025±0.0018
47	PC(16:0/16:0)	0.6294±0.2007	0.7168±0.2228
48	PC(16:0/19:1)	0.0202±0.0080	0.0253±0.0100
49	PC(17:0/18:1)	0.0450±0.0214	0.0543±0.0212
50	PC(18:1(12)/20:1(14))	0.0299±0.0232	0.0320±0.0185
51	PC(18:0/20:2(11,14))	0.1485±0.0649	0.1643±0.0683
52	LPC(22:5)	0.0481±0.0283	0.0506±0.0344
53	LPC(22:6)	0.1050±0.0545	0.1067±0.0656
54	LPC(18:1(9))	0.0034±0.0017	0.0037±0.0020
55	LPC(18:1(11))	0.0005±0.0003	0.0005±0.0003
56	LPC(17:1(8))	0.0255±0.0113	0.0231±0.0114
57	LPC(20:2)	0.0170±0.0072	0.0168±0.0078
58	LPC(20:5)	0.1949±0.0897	0.2252±0.1128
59	LPC(14:0)	0.0393±0.0189	0.0322±0.0155
60	LPC(16:1)	0.0651±0.0280	0.0589±0.0273
61	LPC(17:4)	0.1117±0.0795	0.1279±0.1069
62	LPC(18:2(9;12))	1.0077±0.3940	1.1289±0.5624
63	LPC(18:3)	0.4981±0.1645	0.5170±0.1507
64	LPC(20:3)	0.2044±0.0721	0.2016±0.0640
65	LPC(20:4(7,10,13,16))	0.6689±0.2725	0.7492±0.3860
66	LPC(22:4(7,10,13,16))	0.0165±0.0108	0.0192±0.0155
67	LPC(15:0)	0.0317±0.0127	0.0299±0.0134
68	LPC(16:0)	16.5258±7.3837	15.0205±5.8038
69	LPC(18:0)	4.2463±1.5466	4.2010±1.3364
70	PC(35:6)	0.0978±0.0622	0.1082±0.0671
71	PC(33:3)	0.0892±0.0386	0.1034±0.0432
72	PC(16:0/18:1(9))	0.0121±0.0046	0.0140±0.0059
73	PC(16:0/18:1(11))	0.0016±0.0006	0.0019±0.0008
74	PC(15:0/20:4)	0.3302±0.1729	0.4190±0.1997
75	PC(15:0/18:2(9,12))	0.3384±0.1289	0.3811±0.1666
76	PC(18:0/18:1(9))	0.0058±0.0029	0.0061±0.0027
77	PC(18:0/18:1(11))	0.0002±0.0001	0.0003±0.0002
78	PC(P-36:3/O-36:4)	1.1441±0.4610	1.3924±0.5055
79	PC(32:0)	0.9975±0.3590	1.1122±0.3225
80	PC(38:6)	7.3380±2.7701	7.7769±2.7109
81	PC(36:3)	12.9291±4.1810	14.2192±4.8725
82	PC(35:2)	0.6925±0.2745	0.7918±0.2745
83	PC(36:2)	23.0386±8.1337	25.7173±7.4218
84	PC(35:1)	0.4721±0.2044	0.5247±0.1608

Notes: All values are mean ± SD. PCs: phosphatidylcholines; PCI: Percutaneous Coronary Intervention.