Table S2. Polar lipid identification from the yeast extract following ⍺PB reaction, comprising lipid identity and double bond location, RT, proposed molecular formula, molecular weight, adduct, mass error (ppm), experimental m/z, calculated m/z, mass error (ppm), major product ions. Fragment ions in red and blue refer to the diagnostic ions of positions Δ9 (or Δ9,12) and Δ11, respectively.

Id	Name	RT (min)	Proposed formula	Molecular Weight	Adduct	Experimental m/z	Calculated m/z	Δmass (ppm)	Main Product Ions	%Δ11
1	FA 16:1 (Δ9) + FA 16:1 (Δ11) 6-AU-FA 16:1	12.3 5.2	$C_{16}H_{30}O_2$ $C_{16}H_{30}O_2$	254.2246 367.2465	$[M-H]^-$ $[M-H]^-$	253.2173 366.2392	253.2168 366.2393	2.3 -0.2	253.2173 366.2772; 323.2706; **223.1451**; **195.1138**; **182.1184**; **154.0871**; 112.0152	2.4%
2	FA 17:1 (Δ9) 6-AU-FA 17:1	13.1 7.0	$C_{17}H_{32}O_2$ $C_{17}H_{32}N_2O_5$	268.2405 381.2634	$[M-H]^-$ $[M-H]^-$	267.2332 380.2561	267.2324 380.2549	3.1 3.1	267.2332 380.2561; 337.2384; **209.1292**; **182.1185**; 112.0152	-
3	FA 18:1 (Δ9) + FA 18:1 (Δ11) 6-AU-FA 18:1	13.7 8.7	$C_{18}H_{34}O_2$ $C_{21}H_{41}N_2O_5$	282.2560 395.2779	$[M-H]^-$ $[M-H]^-$	281.2487 394.2706	281.2481 394.2706	2.2 0.0	281.2487 394.2706; 351.2654; **223.1541**; **210.1500**; **195.1138**; **182.1185**; 112.0152	7.1%
4	FA 18:2 (Δ9,12) 6-AU-FA 18:2	12.8 7.4	$C_{18}H_{32}O_2$ $C_{21}H_{39}N_2O_5$	280.2405 393.2628	$[M-H]^-$ $[M-H]^-$	279.2332 392.2555	279.2324 392.2549	2.9 1.4	279.2332 392.2556; 349.2496; **222.1501**; **221.1295**; **182.1185**; **181.0982**; 112.0152	-
5	FA 20:1 (Δ9) 6-AU-FA 20:1	14.8 10.6	$C_{20}H_{38}O_2$ $C_{23}H_{45}N_2O_5$	310.2877 423.3102	$[M-H]^-$ $[M-H]^-$	309.2805 422.3029	309.2794 422.3019	3.6 2.4	309.2805 422.3029; 379.2988; **251.1766**; **182.1187**; 112.0152	-
6	PE(16:1(Δ9)/16:1(Δ9)) 6-AU-PE(32:2)	17.4 14.5	$C_{37}H_{70}NO_8P$ $C_{40}H_{78}N_2O_{12}P$	687.4842 800.5057	$[M-H]^-$ $[M-H]^-$	686.4769 799.4984	686.4761 799.4986	1.2 -0.3	686.4786; 450.2623; 253.2172; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 801.5148; 450.2623; 366.2409; 323.2341; 253.2172; **195.1138**; **182.1185**; 112.0152	-
7	PE(16:0_16:1(Δ9)) + PE(14:0_18:1(Δ9)) 6-AU-PE(32:1)	17.6 15.0	$C_{37}H_{72}NO_8P$ $C_{40}H_{80}N_2O_{12}P$	689.5000 802.5221	$[M-H]^-$ $[M-H]^-$	688.4927 801.5148	688.4917 801.5143	1.4 0.7	688.4927; 281.2485; 255.2329; 253.2172; 227.2016; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 801.5148; 452.2783; 394.2708; 366.2409; 351.2653; 323.2341; 281.2485; 255.2329; 253.2172; 227.2016; **223.1541**; **195.1138**; **182.1185**; 112.0152	-
8	PE(15:1(Δ9)_18:1(Δ9)) + PE(16:1(Δ9)_17:1(Δ9)) 6-AU-PE(33:2)	17.7 14.5	$C_{38}H_{72}NO_8P$ $C_{41}H_{80}N_2O_{12}P$	701.5000 814.5213	$[M-H]^-$ $[M-H]^-$	700.4928 813.5140	700.4917 813.5143	1.5 -0.3	700.4928; 283.2642; 281.2485; 267.2329; 253.2172; 239.2015; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 450.2622; 394.2708; 380.2558; 366.2409; 351.2653; 337.2500; 323.2341; 281.2485; 267.2329; 253.2172; 239.2015; **223.1541**; **209.1295**; **195.1138**; **182.1185**; **181.0982**; 112.0152	-
9	PE(15:0_18:1(Δ9)) + PE(16:1(Δ9)_17:0) + PE(16:0_17:1(Δ9)) 6-AU-PE(33:1)	17.9 15.0	$C_{38}H_{74}NO_8P$ $C_{41}H_{82}N_2O_{12}P$	703.5158 816.5364	$[M-H]^-$ $[M-H]^-$	702.5085 815.5291	702.5074 815.5299	1.6 -1.0	702.5085; 283.2642; 281.2485; 269.2486; 267.2329; 253.2329; 253.2172; 241.2173; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 452.2783; 394.2708; 380.2558; 366.2409; 351.2653; 337.2500; 323.2341; 281.2485; 267.2329; 253.2172; 239.2015; **223.1541**; **209.1295**; **195.1138**; **182.1185**; 112.0152	-
10	PE(16:1(Δ9)_18:1(Δ9)) + PE(16:1(Δ9)_18:1(Δ11)) 6-AU-PE(34:2)	17.9 15.3	$C_{39}H_{74}NO_8P$ $C_{42}H_{82}N_2O_{12}P$	715.5155 828.5371	$[M-H]^-$ $[M-H]^-$	714.5082 827.5298	714.5074 827.5299	1.2 -0.1	714.5071; 450.2623; 281.2487; 253.2172; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 827.5322; 545.2747; 450.2623; 394.2708; 366.2409; 351.2653; 323.2341; 281.2487; 253.2172; **223.1541**; **210.1499**; 195.1138; **182.1185**; 112.0152	-4.2%
11	PE (16:0_18:1(Δ9)) + PE(16:1(Δ9)_18:0) 6-AU-PE(34:1)	18.2 15.9	$C_{39}H_{76}NO_8P$ $C_{42}H_{84}N_2O_{12}P$	717.5313 830.5524	$[M-H]^-$ $[M-H]^-$	716.5240 829.5451	716.5230 829.5456	1.3 -0.6	716.5222; 283.2642; 281.2485; 255.2329; 253.2173; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 829.5451; 480.3090; 452.2795; 394.2708; 366.2409; 351.2653; 323.2341; 283.2642; 281.2485; 255.2329; 253.2173; **223.1541**; **195.1138**; **182.1185**; 112.0152	-
12	PE(17:1(Δ9)_18:1(Δ9)) 6-AU-PE(35:2)	18.0 15.7	$C_{40}H_{76}NO_8P$ $C_{43}H_{84}N_2O_{12}P$	729.5307 842.5525	$[M-H]^-$ $[M-H]^-$	728.5234 841.5452	728.5230 841.5456	0.5 -0.4	728.5234; 464.2779; 281.2485; 267.2329 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 464.2779; 394.2708; 380.2923; 351.2653; 337.2498; 281.2485; 267.2329; **223.1541**; **209.1295**; **182.1185**; 112.0152	-
13	PE(18:1(Δ9)/18:1(Δ9)) + PE(18:1(Δ9)/18:1(Δ11)) 6-AU-PE(36:2)	18.4 15.9	$C_{41}H_{78}NO_8P$ $C_{44}H_{86}N_2O_{12}P$	743.5470 856.5688	$[M-H]^-$ $[M-H]^-$	742.5397 855.5615	742.5387 855.5612	1.4 0.3	742.5397; 478.3918; 281.2487; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 855.5615; 478.2938; 394.2708; 351.2653; 281.2487; **223.1541**; **210.1500**; **195.1138**; **182.1185**; 112.0152	3.0%
14	PE(18:0_18:1(Δ9)) + PE(18:0_18:1(Δ11)) 6-AU-PE(36:1)	18.6 15.9	$C_{41}H_{80}NO_8P$ $C_{44}H_{88}N_2O_{12}P$	745.5627 858.5844	$[M-H]^-$ $[M-H]^-$	744.5554 857.5771	744.5543 857.5769	1.5 0.3	744.5548; 480.3095; 283.2642; 281.2487; 196.0379; 152.9959; 140.0118; 96.9694; 78.9586 857.5771; 480.3095; 394.2708; 351.2653; 283.2642; 281.2487; **223.1541**; **210.1500**; **195.1138**; **182.1185**; 112.0152	2.7%
15	PG(14:0_16:1(Δ9)) 6-AU-PG(30:1)	16.5 14.1	$C_{20}H_{41}O_{11}P$ $C_{23}H_{49}N_2O_{15}P$	780.4796 893.5009	$[M-H]^-$ $[M-H]^-$	779.4724 892.4936	779.4711 892.4936	1.7 0.0	779.4711; 525.2469; 253.2172; 241.0122; 227.2016; 223.0016; 152.9959; 96.9694; 78.9586 892.4936; 525.2469; 366.2409; 323.2341; 253.2172; 227.2016; **195.1138**; **182.1185**; 112.0152	-
16	PG(16:0_16:1(Δ9)) 6-AU-PG(31:1)	16.7 14.0	$C_{22}H_{45}O_{11}P$ $C_{25}H_{53}N_2O_{15}P$	794.4954 907.5165	$[M-H]^-$ $[M-H]^-$	793.4881 906.5092	793.4867 906.5092	1.7 0.0	793.4868; 539.2623; 253.2172; 241.2173; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 906.5092; 539.2623; 366.2409; 323.2341; 253.2172; 241.2173; **195.1138**; **182.1185**; 112.0152	-
17	PG(16:1(Δ9)/16:1(Δ9)) 6-AU-PG(32:2)	16.6 13.8	$C_{22}H_{43}O_{11}P$ $C_{25}H_{51}N_2O_{15}P$	806.4947 919.5165	$[M-H]^-$ $[M-H]^-$	805.4874 918.5092	805.4867 918.5092	0.9 0.0	805.4879; 551.2628; 253.2172; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 918.5092; 551.2626; 366.2409; 323.2341; 253.2172; **195.1138**; **182.1185**; 112.0152	-
18	PG(16:0_16:1(Δ9)) + PG(14:0_18:1(Δ9)) 6-AU-PG(32:1)	17.0 14.3	$C_{22}H_{47}O_{11}P$ $C_{25}H_{55}N_2O_{15}P$	808.5104 921.5321	$[M-H]^-$ $[M-H]^-$	807.5031 920.5248	807.5024 920.5249	0.9 -0.1	807.5036; 553.2789; 281.2487; 255.2331; 253.2172; 241.0122; 227.2016; 223.0016; 152.9959; 96.9694; 78.9586 920.5248; 553.2789; 366.2409; 323.2341; 281.2487; 255.2331; 253.2172; 227.2016; **223.1541**; **195.1138**; **182.1185**; 112.0152	-
19	PG(15:1(Δ9)_18:1(Δ9)) + PG(16:1(Δ9)_17:1(Δ9)) 6-AU-PG(33:2)	16.9 14.1	$C_{23}H_{45}O_{11}P$ $C_{26}H_{55}N_2O_{15}P$	820.5108 933.5318	$[M-H]^-$ $[M-H]^-$	819.5035 932.5245	819.5024 932.5249	1.4 -0.4	819.5036; 565.2782; 551.2626; 281.2487; 267.2331; 253.2172; 241.0122; 239.2018; 223.0016; 152.9959; 96.9694; 78.9586 932.5245; 565.2782; 551.2626; 394.2714; 380.2558; 366.2409; 352.2242; 351.2655; 337.2502; 323.2341; 309.2184; 281.2487; 255.2331; 253.2172; 227.2016; **223.1541**; **209.1296**; **195.1138**; **182.1185**; **181.0982**; 112.0152	-
20	PG(15:0_18:1(Δ9)) + PG(16:1(Δ9)_17:0) + PG(16:0_17:1(Δ9)) 6-AU-PG(33:1)	17.3 14.5	$C_{23}H_{47}O_{11}P$ $C_{26}H_{57}N_2O_{15}P$	822.5262 935.5499	$[M-H]^-$ $[M-H]^-$	821.5189 934.5426	821.5180 934.5405	1.1 2.2	821.5148; 567.2941; 553.2787; 551.2626; 539.2621; 281.2487; 269.2485; 267.2331; 255.2328; 253.2172; 241.2172; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 934.5426; 567.2941; 553.2787; 551.2626; 539.2621; 394.2714; 380.2558; 366.2409; 351.2655; 337.2502; 323.2341; 281.2487; 269.2485; 267.2331; 255.2328; 253.2172; 241.2172; **223.1541**; **209.1296**; **195.1138**; **182.1185**; 112.0152	-
21	PG(16:1(Δ9)_18:2(Δ9,12)) 6-AU-PG(34:3)	16.9 14.0	$C_{22}H_{41}O_{11}P$ $C_{25}H_{49}N_2O_{15}P$	832.5110 945.5325	$[M-H]^-$ $[M-H]^-$	831.5037 944.5252	831.5024 944.5249	1.6 0.3	831.5019; 577.2796; 551.2626; 279.2330; 253.2172; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 944.5252; 577.2796; 551.2626; 392.2557; 366.2409; 349.2498; 337.2502; 279.2330; 253.2172; **222.1501**; **221.1295**; **195.1138**; **182.1185**; **181.0982**; 112.0152	-
22	PG(16:1(Δ9)_18:1(Δ9)) + PG(16:1(Δ9)_18:1(Δ11)) 6-AU-PG(34:2)	17.2 14.5	$C_{22}H_{43}O_{11}P$ $C_{25}H_{51}N_2O_{15}P$	834.5260 947.5483	$[M-H]^-$ $[M-H]^-$	833.5187 946.5410	833.5180 946.5405	0.9 0.5	833.5181; 579.2941; 551.2626; 281.2485; 253.2172; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 946.5410; 579.2941; 551.2626; 394.2710; 366.2409; 351.2654; 323.2341; 281.2485; 253.2172; **223.1541**; **210.1499**; 195.1138; **182.1185**; 112.0152	1.5%
23	PG(16:0_18:1(Δ9)) + PG(16:1(Δ9)_18:0) 6-AU-PG(34:1)	17.5 15.0	$C_{22}H_{45}O_{11}P$ $C_{25}H_{53}N_2O_{15}P$	836.5415 949.5635	$[M-H]^-$ $[M-H]^-$	835.5342 948.5562	835.5337 948.5562	0.7 0.0	835.5342; 581.3092; 579.2938; 553.2785; 551.2632; 283.2642; 281.2485; 255.2330; 253.2172; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 948.5562; 581.3092; 579.2938; 553.2785; 551.2632; 394.2710; 366.2409; 351.2654; 323.2341; 283.2642; 281.2485; 255.2330; 253.2172; **223.1541**; **195.1138**; **182.1185**; 112.0152	-
24	PG(17:1(Δ9)_18:1(Δ9)) 6-AU-PG(35:2)	17.4 14.0	$C_{23}H_{45}O_{11}P$ $C_{26}H_{53}N_2O_{15}P$	848.5419 961.5638	$[M-H]^-$ $[M-H]^-$	847.5346 960.5565	847.5337 960.5562	1.1 0.3	847.5346; 579.2938; 565.2780; 281.2485; 267.2329; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 960.5565; 579.2938; 565.2780; 394.2710; 380.2558; 351.2654; 337.2502; 281.2485; 267.2329; **223.1541**; **209.1296**; **182.1185**; 112.0152	-
25	PI(17:0_18:1(Δ9)) + PI(17:1(Δ9)_18:0) 6-AU-PI(35:1)	17.7 15.2	$C_{26}H_{51}O_{13}P$ $C_{29}H_{59}N_2O_{17}P$	850.5571 963.5798	$[M-H]^-$ $[M-H]^-$	849.5499 962.5725	849.5493 962.5718	0.7 0.7	849.5497; 581.3088; 579.2938; 567.2934; 565.2780; 283.2642; 281.2485; 269.2485; 267.2329; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 962.5725; 581.3088; 579.2938; 567.2934; 565.2780; 394.2710; 380.2558; 351.2654; 337.2502; 281.2642; 281.2485; 269.2485; 267.2329; **223.1541**; **209.1296**; **182.1185**; 112.0152	-
26	PI(18:1(Δ9)/18:1(Δ9)) + PI(18:1(Δ9)_18:1(Δ11)) 6-AU-PI(36:2)	17.7 15.3	$C_{27}H_{51}O_{13}P$ $C_{30}H_{59}N_2O_{17}P$	862.5572 975.5796	$[M-H]^-$ $[M-H]^-$	861.5499 974.5723	861.5493 974.5718	0.7 0.5	861.5497; 579.2938; 281.2485; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 974.5723; 579.2938; 394.2708; 351.2653; 281.2487; **223.1541**; **210.1500**; **195.1138**; **182.1185**; 112.0152	2.8%
27	PI(18:0/18:1(Δ9)) + PI(18:0/18:1(Δ11)) 6-AU-PI(36:1)	17.9 15.8	$C_{27}H_{53}O_{13}P$ $C_{30}H_{61}N_2O_{17}P$	864.5731 977.5950	$[M-H]^-$ $[M-H]^-$	863.5658 976.5877	863.5650 976.5875	1.0 0.2	863.5658; 581.3088; 579.2938; 283.2642; 281.2485; 241.0122; 223.0016; 152.9959; 96.9694; 78.9586 976.5877; 581.3088; 579.2938; 394.2708; 351.2653; 281.2487; **223.1541**; **210.1500**; **195.1138**; **182.1185**; 112.0152	2.5%
28	PS(16:1(Δ9)_16:1(Δ9)) 6-AU-PS(32:2)	16.8 14.1	$C_{38}H_{66}NO_{10}P$ $C_{41}H_{74}N_2O_{18}P$	731.4746 844.4962	$[M-H]^-$ $[M-H]^-$	730.4673 843.4889	730.4659 843.4884	2.0 0.5	643.4348; 407.2204; 253.2174; 152.9958; 96.9694; 78.9586 756.4582; 520.2431; 407.2202; 366.2396; 323.2341; 253.2173; **195.1138**; **182.1185**; 112.0152	-
29	PS(16:0_16:1(Δ9)) + PS(15:0_17:1(Δ9)) 6-AU-PS(32:1)	17.2 14.5	$C_{38}H_{68}NO_{10}P$ $C_{41}H_{76}N_2O_{18}P$	733.4912 846.5115	$[M-H]^-$ $[M-H]^-$	732.4839 845.5042	732.4816 845.5041	3.2 0.1	645.4495; 409.2363; 407.2209; 267.2329; 255.2328; 253.2174; 241.2174; 152.9958; 96.9694; 78.9586 758.4730; 409.2360; 380.2571; 366.2396; 338.2532; 323.2341; 267.2329; 255.2328; 253.2174; **241.2174**; **209.1296**; **195.1138**; **182.1185**; 112.0152	-
30	PS(16:1(Δ9)_18:1(Δ9)) 6-AU-PS(34:2)	17.3 14.7	$C_{40}H_{70}NO_{10}P$ $C_{43}H_{78}N_2O_{18}P$	759.5051 872.5269	$[M-H]^-$ $[M-H]^-$	758.4979 871.5196	758.4972 871.5197	0.9 -0.2	671.4656; 435.2516; 407.2204; 281.2484; 253.2174; 152.9958; 96.9694; 78.9586 784.4878; 548.2741; 520.2431; 407.2202; 394.2711; 366.2396; 351.2653; 323.2341; 281.2484; 253.2174; **233.1452**; **195.1138**; **182.1185**; 112.0152	-
31	PS(16:0_18:1(Δ9)) 6-AU-PS(34:1)	17.6 15.2	$C_{40}H_{72}NO_{10}P$ $C_{43}H_{80}N_2O_{18}P$	761.5201 874.5422	$[M-H]^-$ $[M-H]^-$	760.5128 873.5349	760.5128 873.55189	-0.1 -0.6	673.4809; 435.2516; 409.2360; 281.2484; 255.2328; 152.9958; 96.9694; 78.9586 784.4878; 548.2741; 435.2516; 409.2360; 394.2711; 351.2653; 281.2484; 255.2328; **233.1452**; **195.1138**; **182.1185**; 112.0152	-
32	PS(18:1(Δ9)/18:1(Δ9)) 6-AU-PS(36:2)	17.9 15.4	$C_{42}H_{74}NO_{10}P$ $C_{45}H_{82}N_2O_{18}P$	787.5374 900.5586	$[M-H]^-$ $[M-H]^-$	786.5302 899.5513	786.5285 899.5510	2.1 0.3	699.4977; 435.2516; 281.2484; 152.9958; 96.9694; 78.9586 784.4878; 548.2741; 435.2516; 394.2711; 351.2653; 281.2484; 255.2328; **233.1452**; **182.1185**; 112.0152	-
33	PG(16:1(Δ9)_18:1(Δ9)) 6-AU-PG(34:2)	17.3 14.7	$C_{40}H_{71}O_{13}P$ $C_{43}H_{79}N_2O_{21}P$	746.5124 859.5333	$[M-H]^-$ $[M-H]^-$	745.5051 858.5260	745.5020 858.5245	4.2 1.8	483.2779; 281.2484; 253.2172; 171.0062; 152.9958; 96.9694; 78.9586 394.2711; 366.2396; 351.2653; 323.2341; 281.2484; 253.2174; **233.1452**; **195.1138**; **182.1185**; 112.0152	-
34	PG(16:0_18:1(Δ9)) 6-AU-PG(34:1)	17.5 15.1	$C_{40}H_{73}O_{13}P$ $C_{43}H_{81}N_2O_{21}P$	748.5252 861.5458	$[M-H]^-$ $[M-H]^-$	747.5179 860.5385	747.5176 860.54014	0.4 -1.9	483.2779; 281.2484; 255.2328; 171.0062; 152.9958; 96.9694; 78.9586 394.2711; 351.2653; 281.2484; 255.2328; **233.1452**; **182.1185**; 112.0152	-
35	PC(14:0_16:1(Δ9)) 6-AU-PC(30:1)	17.1 13.8	$C_{38}H_{74}NO_8P$ $C_{41}H_{82}N_2O_{12}P$	703.5160 816.5364	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	688.4925 762.5293 815.5291	688.4917 762.5285 815.529909	1.2 1.1 -1.0	452.2798; 253.2172; 227.2016; 168.0431; 152.9956; 78.9586 380.2555; 337.2501; 253.2174; 227.2017; **209.1296**; 126.0309; 112.0152	-
36	PC(15:0_16:1(Δ9)) + PC(15:1(Δ9)_16:0) 6-AU-PC(31:1)	17.4 14.6	$C_{39}H_{76}NO_8P$ $C_{42}H_{84}N_2O_{12}P$	717.5313 830.5525	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	702.5078 776.5446 829.5452	702.5074 776.5442 829.54559	0.6 0.5 -0.4	480.2586; 466.2937; 255.2333; 253.2172; 241.2174; 239.2017; 168.0431; 152.9956; 78.9586 480.2586; 466.2937; 380.2555; 366.2398; 337.2501; 323.2338; 255.2333; 253.2172; 241.2174; 239.2017; **209.1296**; **195.1139**; 126.0309; 112.0152	-
37	PC(16:1(Δ9)/16:1(Δ9)) 6-AU-PC(32:2)	17.3 14.6	$C_{40}H_{74}NO_8P$ $C_{43}H_{82}N_2O_{12}P$	729.5311 842.5524	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	714.5076 788.5444 841.5451	714.5074 788.5442 841.545559	0.3 0.3 -0.5	478.2940; 253.2172; 168.0431; 152.9956; 78.9586 478.2940; 380.2555; 337.2501; 253.2172; **209.1296**; 126.0309; 112.0152	-
38	PC(16:0_16:1(Δ9)) + PC(14:0_18:1(Δ9)) 6-AU-PC(32:1)	17.8 15.1	$C_{40}H_{76}NO_8P$ $C_{43}H_{84}N_2O_{12}P$	731.5470 844.5683	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	716.5235 790.5603 843.5610	716.5230 790.5598 843.5612	0.6 0.6 -0.2	480.2586; 452.2784; 281.2486; 255.2333; 253.2172; 227.2016; 168.0431; 152.9956; 78.9586 480.2586; 452.2784; 408.2873; 380.2555; 365.2808; 337.2501; 281.2486; 255.2333; 253.2172; 227.2016; **237.1607**; **209.1296**; 126.0309; 112.0152	-
39	PC(16:1(Δ9)_17:1(Δ9)) + PC(15:1(Δ9)_18:1(Δ9)) 6-AU-PC(33:2)	17.5 15.0	$C_{41}H_{76}NO_8P$ $C_{44}H_{84}N_2O_{12}P$	743.5469 856.5672	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	728.5235 802.5602 855.5599	728.5230 802.5598 855.5612	0.6 0.5 -1.5	492.3093; 478.2940; 408.2873; 394.2713; 380.2555; 366.2399; 365.2808; 351.2653; 337.2501; 323.2336; 281.2486; 267.2329; 253.2172; 239.2017; **237.1607**; **223.1452**; **209.1296**; **195.1137**; 126.0309; 112.0152	-
40	PC(15:0_18:1(Δ9)) + PC(16:1(Δ9)_17:0) + PC(16:0_17:1(Δ9)) 6-AU-PC(33:1)	18.1 15.4	$C_{41}H_{78}NO_8P$ $C_{44}H_{86}N_2O_{12}P$	745.5633 858.5844	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	730.5399 804.5766 857.5771	730.5387 804.5755 857.5769	1.6 1.5 0.3	494.3259; 480.3083; 466.2926; 281.2486; 269.2488; 267.2329; 255.2330; 253.2172; 241.2173; 168.0431; 152.9956; 78.9586 494.3259; 480.3083; 466.2926; 408.2873; 394.2713; 380.2555; 365.2808; 351.2653; 337.2501; 281.2486; 269.2488; 267.2329; 255.2330; 253.2172; 241.2173; **237.1607**; **223.1452**; **209.1296**; 126.0309; 112.0152	-
41	PC(16:1(Δ9)_18:2(Δ9,12)) 6-AU-PC(34:3)	17.7 14.7	$C_{42}H_{78}NO_8P$ $C_{45}H_{86}N_2O_{12}P$	755.5476 868.5691	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	740.5241 814.5609 867.5618	740.5230 814.5598 867.5612	1.5 1.4 0.7	504.4102; 478.2940; 279.2329; 253.2172; 168.0431; 152.9956; 78.9586 504.4102; 478.2940; 406.2710; 380.2558; 363.2651; 337.2495; 279.2329; 253.2172; **235.1452**; **209.1296**; **195.1137**; 126.0309; 112.0152	-
42	PC(16:1(Δ9)_18:1(Δ9)) 6-AU-PC(34:2)	18.0 15.3	$C_{42}H_{80}NO_8P$ $C_{45}H_{88}N_2O_{12}P$	757.5626 870.5846	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	742.5392 816.5759 869.5773	742.5387 816.5755 869.5769	0.7 0.6 0.5	506.3251; 478.2940; 281.2486; 253.2172; 168.0431; 152.9956; 78.9586 506.3251; 478.2940; 408.2866; 380.2558; 365.2809; 337.2495; 281.2486; 253.2172; **237.1607**; **195.1137**; 126.0309; 112.0152	-
43	PC(16:0_18:1(Δ9)) + PC(16:1(Δ9)_18:0) 6-AU-PC(34:1)	18.3 15.7	$C_{42}H_{82}NO_8P$ $C_{45}H_{90}N_2O_{12}P$	759.5783 872.5998	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	744.5548 818.5916 871.5925	744.5543 818.5911 871.5925	0.7 0.6 0.0	508.3410; 480.3092; 283.2642; 281.2486; 255.2329; 253.2172; 168.0431; 152.9956; 78.9586 508.3410; 480.3092; 408.2866; 380.2558; 365.2809; 337.2495; 283.2642; 281.2486; 255.2329; 253.2172; **237.1607**; **195.1137**; 126.0309; 112.0152	-
44	PC(17:1(Δ9)_18:1(Δ9)) 6-AU-PC(35:2)	18.2 15.7	$C_{43}H_{82}NO_8P$ $C_{46}H_{92}N_2O_{12}P$	771.5785 884.5996	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	756.5550 830.5918 883.5923	756.5543 830.5911 883.5925	0.8 0.8 -0.2	506.3229; 492.3096; 281.2486; 267.2329; 168.0431; 152.9956; 78.9586 506.3229; 492.3096; 408.2866; 394.2706; 365.2809; 351.2655; 281.2486; 267.2329; **237.1607**; **223.1452**; 126.0309; 112.0152	-
45	PC(17:1(Δ9)_18:0) + PC(17:0_18:1(Δ9)) + PC(17:0_18:1(Δ11)) 6-AU-PC(35:1)	18.5 16.1	$C_{43}H_{84}NO_8P$ $C_{46}H_{94}N_2O_{12}P$	773.5942 886.6167	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	758.5707 832.6075 885.6094	758.5701 832.6068 885.6082	1.0 0.9 1.4	508.3374; 494.3251; 283.2642; 281.2486; 269.2488; 267.2329; 168.0431; 152.9956; 78.9586 508.3374; 494.3251; 408.2866; 394.2706; 365.2809; 351.2655; 283.2655; 281.2486; 269.2486; 267.2329; **237.1607**; **223.1452**; **209.1296**; 126.0309; 112.0152	1.8%
46	PC(18:1(Δ9)/18:1(Δ9)) + PC(18:1(Δ9)_18:1(Δ11)) 6-AU-PC(36:2)	18.4 16.0	$C_{44}H_{86}NO_8P$ $C_{47}H_{96}N_2O_{12}P$	785.5939 898.6151	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	770.5704 844.6072 897.6078	770.5700 844.6068 897.6082	0.5 0.5 -0.4	506.3249; 281.2486; 168.0431; 152.9956; 78.9586 506.3249; 408.2866; 365.2809; 281.2486; **237.1607**; **209.1296**; 126.0309; 112.0152	5.5%
47	PC(18:0_18:1(Δ9)) + PC(18:0_18:1(Δ11)) 6-AU-PC(36:1)	18.8 16.5	$C_{44}H_{88}NO_8P$ $C_{47}H_{98}N_2O_{12}P$	787.6098 900.6314	$[M-CH_3]^-$ $[M+CH_3COO]^-$ $[M-H]^-$	772.5863 846.6231 899.6241	772.5856 846.6224 899.6238	0.8 0.8 0.3	508.3404; 283.2642; 281.2486; 168.0431; 152.9956; 78.9586 508.3404; 408.2866; 365.2809; 283.2642; 281.2486; **237.1607**; **209.1296**; 126.0309; 112.0152	3.5%