

Supplements

Table 1S. Comparison of our analyzed TAGs^a with TAGs identified by Grillitsch et al. (2011) (I) (32 mol. species), Shui et al. (2010) (II) (41 mol. species, but only ACN:DB), Klose et al. (2012) (III) (31 mol. species, but only ACN:DB), and Ejasing et al. (2009) (IV) (58 mol. species).

TAG ^a					ACN:DB	ECN	I	II	III	IV
LaCCy					30:0	30				
LaLaCy	LaLCy				32:0	32				
LaLaC	MLaCy				34:0	34				
MLaC	MMCy	PLaCy			36:0	36				
LaOCy					38:1	36				
MLaLa	MMC	PLaC	PMCy	SLaCy	38:0	38				
LaOC	MOCy				40:1	38		+		
PLaLa	MMLa	SLaC			40:0	40				
LaLLa	PLCy				42:2	38		+	+	
<u>LaOLa</u>	MOC	POCy			42:1	40		+	+	+
<u>PMLa</u>	SLaLa				42:0	42		+	+	+
OLCy					44:3	38				
OOCy	MLLa				44:2	40		+	+	
MOLa	POC	SOCy			44:1	42		+	+	
SMLa	PMM				44:0	44		+	+	
OLC					46:3	40			+	
<u>PoPoM</u>	OOC	MLM	PLLa		46:2	42		+	+	+
MOM	<u>POLa</u>	<u>PPoM</u>			46:1	44		+	+	+
SMM	SPLa	<u>PPM</u>			46:0	46		+		+
LLLa					48:4	40				
<u>PoPoPo</u>	PoLM	OLLa			48:3	42		+	+	+
<u>OPoM</u>	OOLa	<u>PPoPo</u>	PLM	SLLa	48:2	44	+	+	+	+
<u>PPP</u> ^a	PPoP	<u>POM</u>	SOLa		48:1	46	+	+	+	+
PPP	APLa	SPM			48:0	48				+
PoLnPo					50:5	40				
PoLPo	LLM	PLnPo			50:4	42	+			
<u>PoOPo</u> ^b	OLM	PLPo	PLnP		50:3	44	+	+	+	+
OOM	<u>POPo</u>	PLP	SLM	<u>PoPoS</u>	50:2	46	+	+	+	+
POP	<u>SOM</u>	<u>PPoS</u>			50:1	48	+	+	+	+
SPP					50:0	50	+			+
LnLnP					52:6	40				
LLPo	LnOPo	LnLP			52:5	42	+			
OLPo	LLP	LnOP			52:4	44	+			
<u>OOPo</u>	OLP	SLnP	GPoPo		52:3	46	+	+	+	+
<u>OOP</u>	SLP	<u>SOPo</u>			52:2	48	+	+	+	+
SOP					52:1	50	+	+	+	+
APP	SSP				52:0	52				
LnLLn					54:8	38				
LLLn					54:7	40				
LLL	OLLn	SLnLn			54:6	42	+			
OLL	OOLn	SLLn			54:5	44	+	+		
OLO	SLL	SOLn			54:4	46	+	+		

<u>OOO</u>	SLO	ALnP	SLnS	GOPo		54:3	48	+	+	+	+
<u>SOO</u>	AOPo	ALP	SLS	GOP		54:2	50	+	+	+	+
AOP	<u>SOS</u>	<u>BPoP</u>				54:1	52		+	+	+
<u>SSS</u>						54:0	54			+	+
ALnLn						56:6	44				
ALLn						56:5	46		+		
ALL						56:4	48		+		
ALO	ALnS	GOO	ELP	GSL		56:3	50	+	+		
AOO	ALS	GOS	EOP	BLP	<u>BOPo</u>	56:2	52		+	+	
AOS	<u>BOP</u>					56:1	54		+	+	+
GOG	NLP	LgLnP	EOO	BLO	BLnS	58:3	52		+		
NOP	LgLP	BOO	EOS	BLS	<u>LgOPo</u>	58:2	54		+	+	
<u>LgOP</u>	BOS	LgPoP				58:1	56		+	+	+
ELG	LgLL	NLO	LgOLn			60:4	52				
EOG	NLS	LgLnS	NOO	LgLO		60:3	54		+		
CeLP	LgLS	NOS	LgOO			60:2	56		+	+	
EELn						62:5	52				
CeLL	CeOLn	EEL				62:4	54		+		
CeLO	EEO	NOG				62:3	56		+		
CeOO						62:2	58		+	+	

^b these molecular species (typed in *italics*) were identified and partially quantified by Jaakola et al. (2009). *sn*-PoOPo/*sn*-PoPoO ratio was 1.25:1

Fig. 1S. Mass spectrum (APCI) of natural PoPPo

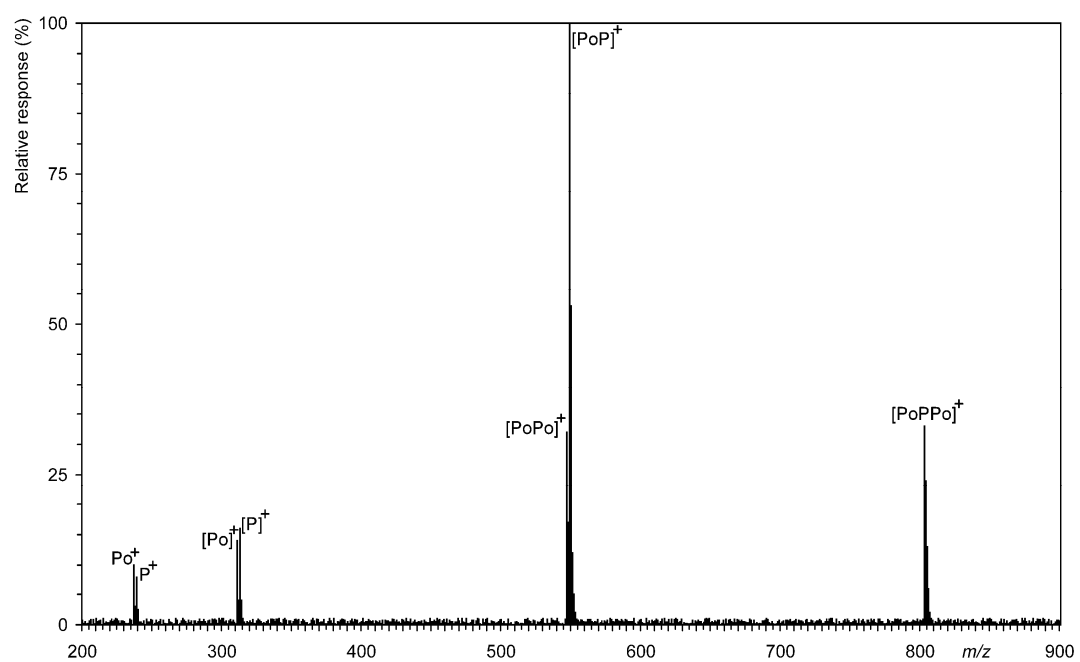


Fig. 2S. Mass spectrum (APCI) of natural PoPoP

