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6. References

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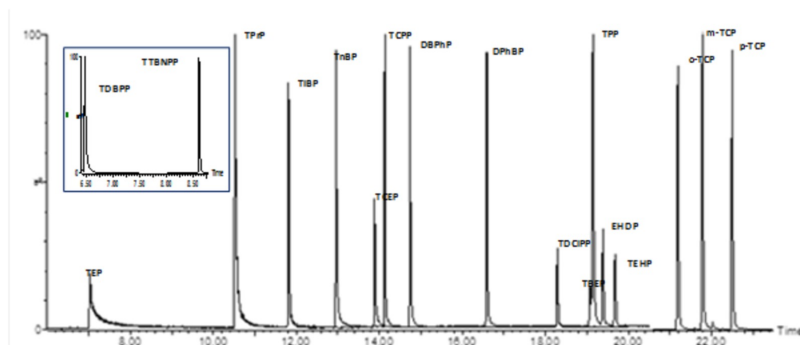


Figure 1. Overlaid ion chromatograms obtained for the optimised SRM transitions of the 18 OPEs by GC-APCI-MS/MS.

Table 1. Optimised transition parameters for the 18 OPEs and obtained instrumental detection limits (IDL) (CE: collision energy; CV: cone voltage).

Compound	GC-APCI-MS/MS					GC-EI-MS/MS					
	Transition	CE 1 (eV)	T2	CE 2 (eV)	CV (V)	IDL ($\mu\text{g.L}^{-1}$)	Transition	CE 1 (eV)	T2	CE 2 (eV)	IDL ($\mu\text{g.L}^{-1}$)
TEP	183>99	15	183>155	5	20	1	155>99	10	127>99	10	0.4
TPrP	225>99	10	225>183	5	20	0.4	141>99	10	183>99	15	0.4
TuBP	267>99	15	267>155	10	30	0.4	155>99	10	211>99	20	0.4
TBP	267>99	15	267>155	10	30	0.4	155>99	10	211>99	20	0.4
TEHP	435>99	15	435>323	5	30	0.4	113>57	10	113>95	10	10
TBEF	399>199	15	399>99	25	30	0.4	115>99	10	199>99	10	40
TEP	327>77	25	327>125	25	30	0.4	326>215	20	326>169	20	1
EHDP	251>95	20	363>251	5	40	0.4	251>77	20	251>152	20	1
DBPhP	287>175	15	287>231	5	20	0.4	175>77	15	175>51	10	1
DPhBP	307>251	10	251>153	15	30	0.4	251>152	15	306>251	10	2
o-TCP	369>91	25	369>166	25	40	0.4	368>181	10	165>139	25	2
m-TCP	369>166	25	369>91	25	40	0.4	368>165	25	368>261	10	1
p-TCP	369>166	25	369>91	25	40	0.4	368>108	15	368>198	15	1
TCEP	285>223	10	287>99	15	30	0.4	249>125	10	249>99	10	1
TCPP	329>99	15	327>251	5	20	0.4	125>99	10	201>125	10	1
TDCPP	431>321	5	321>209	5	30	1	191>75	10	381>159	10	2
TDBFP	698.5>99	25	698.5>299	15	30	1	337>137	5	217>137	5	100
TIBNFP	1018>147	30	1018>307	20	30	10	713>309	15	713>145	15	500

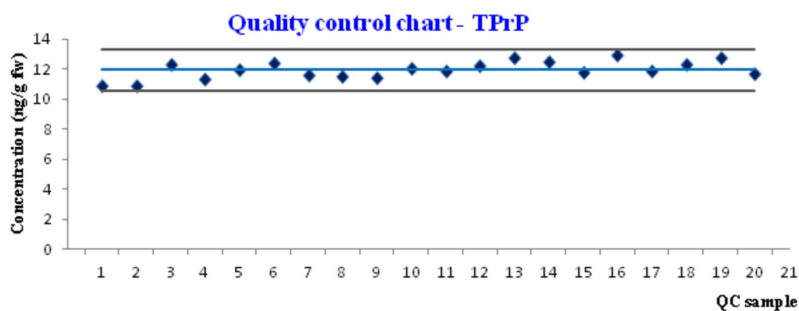


Figure 2. Example of a quality control chart for TPrP, showing the repeatability of results within the upper and lower warning limits (analysis on GC-EI-MS/MS).