

COMMON CONTAMINANT AND BACKGROUND IONS

ELECTROSPRAY IONISATION

<i>m/z</i>	Ion	Compound
101	[M+Na] ⁺	DMSO
102	[M+H] ⁺	Triethylamine (TEA)
104/106	[M+Cu] ⁺	Acetonitrile
105	[2M+Na] ⁺	Acetonitrile
120	[M+Na+CH ₃ CN] ⁺	DMSO
122	[M+H] ⁺	Tris
123	[M+H] ⁺	Dimethylaminopyridine (DMAP)
130	[M+H] ⁺	Diisopropylethylamine (DIPEA)
137	[M+ CH ₃ CN +NH ₄] ⁺	DMSO
144	[M+H] ⁺	Tripropylamine (TPA)
145/147	[2M+Cu] ⁺	Acetonitrile
146	[3M+Na] ⁺	Acetonitrile
150	[M+H] ⁺	Phenyldiethylamine
153	[M+H] ⁺	1,8-diazabicyclo[5.4.0]undec-7-ene (DBU) (plasticiser)
157	[2M+H] ⁺	DMSO
159	[M+Na] ⁺	Sodium trifluoroacetate
179	[2M+Na] ⁺	DMSO
186	[M+H] ⁺	Tributylamine
225	[M+H] ⁺	Dicyclohexyl urea (DCU)
239/241	[(M.HCl) ₂ -Cl] ⁺	Triethylamine
242	M ⁺	Tetrabutylammonium (C ₄ H ₉) ₄ N ⁺
243	M ⁺	Trityl cation
257	[3M+H] ⁺	DMSO
267	[M+H] ⁺	Tributylphosphate
273	M ⁺	Monomethoxytrityl cation (MMT)
279	[M+H] ⁺	Dibutylphthalate (plasticiser)
301	[M+Na] ⁺	Dibutylphthalate (plasticiser)
317	[M+K] ⁺	Dibutylphthalate (plasticiser)
336	[M+H] ⁺	Tributyl tin formate
371	[M+H] ⁺	Polysiloxane,
391	[M+H] ⁺	Diisooctyl phthalate (plasticiser)
413	[M+Na] ⁺	Diisooctyl phthalate (plasticiser)
425	[M+Na] ⁺	Unidentified contaminant
429	[M+K] ⁺	Diisooctyl phthalate (plasticiser)
445	[M+H] ⁺	Polysiloxane
462	[M+NH ₄] ⁺	Polysiloxane
449	[2M+H] ⁺	Dicyclohexyl urea (DCU)
798	[2M+NH ₄] ⁺	Diisooctyl phthalate (plasticiser)
803	[2M+Na] ⁺	Diisooctyl phthalate (plasticiser)

Oligomeric series

74 *m/z* units apart polysiloxane (polydimethylcyclsiloxane, *e.g.* from fused-silica tubing)