

TABLE 1. Analytical tasks and required instruments

Tasks	Instruments	GC	HPLC	MS			IR	NMR
				LR	HR	MS/MS		
Monitoring of known compounds		x	x	x	x	x	x	x
Monitoring of compounds for structure elucidation		x ¹	x ^{1,2}		x ¹		x	x
Unambiguous identification ³				x	x	x	x	x
Structure elucidation				x	x	x	x	x
Semiquantification		x	x	x	x	x	x	x
Mobile laboratory		x	x	x			x	
Off-site laboratory		x	x	x	x	x	x	x

¹ element specific detection

² enzymatic detector for inhibitors

³ two of the techniques required