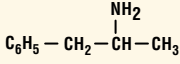
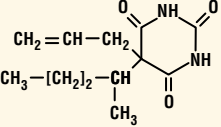
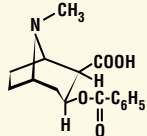
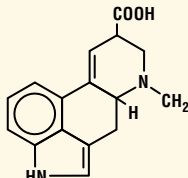
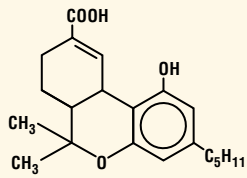
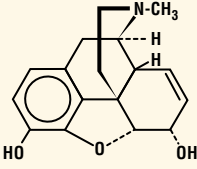
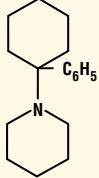


GC Derivatization

Table 1. Derivatization Reagents for Drugs-of-Abuse

Drug	Form	Reagent	References
Amphetamines 	Amphetamines	BSTFA	1
	Amphetamines	HFBA (Heptafluorobutyric Acid)	2-6
	Amphetamines	MSTFA with TMCS	7
	Amphetamines	TFAA	7,8
	Methamphetamine	TFAA	9,10
Barbiturates 		BSTFA	1
		MethElite™ Reagent	11-13
		Methyl-8® Reagent	14,15
		PFBBr	16
Cocaine 	Benzoylcocaine	BSTFA/Butyl Iodine/TMAH	17
		BSTFA	1,18
		MTBSTFA	19
LSD 		BSA	21
		BSTFA	22
		MSTFA	21
		TFAI	23
Marijuana 	THC metabolites	BSA	24
		BSTFA/BSTFA+1% TMCS	24-27
		BSTFA/TMCS/TMSI	24
		MSTFA	9
		MSTFA/MSTFA+1% TMCS	27
		MTBSTFA	28
		PFBBr	29
		TFAA & BF ₃ /MeOH	32
		MethElite™ Reagent	9
		TMSI	24
Opiates 	Morphine	BSTFA+1% TMCS	33
		MBTFA	34
		TFAA	36
		BSTFA	1,37
	Morphine/Codeine	BSTFA+1% TMCS	38,39
		BSTFA/TFAI	40
		HFBA (Heptafluorobutyric Acid)	37,38,41
		MBTFA	38
		TFAA	42
		Trimethylsilyl	43
PCP 	PPC/PCHP/PCP	BSTFA+1% TMCS	44
		HFBA (Heptafluorobutyric Acid)	45

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