

Analyte	Internal Standard	MRM 1	MRM 2
Amphetamines			
Amphetamine (TQS)	Amphetamine ISTD 142 → 93	136 → 91	136 → 119
Amphetamine	Amphetamine ISTD 142 → 93	137 → 92	137 → 120
BDB	BDB ISTD 196 → 149	194 → 147	194 → 177
Butylone	Butylone ISTD 225 → 177	223 → 175	223 → 130
2C-B	2C-B ISTD 266 → 249	261 → 244	260 → 228
2C-I	2C-I ISTD 314 → 297"	309 → 292	309 → 277
Cathinone	Cathinone ISTD 155 → 110	150 → 105	150 → 117
MBDB	MBDB ISTD 213 → 136	209 → 136	209 → 178
MDA	MDA ISTD 185 → 138	180 → 133	181 → 164
MDEA	MDEA ISTD 213 → 163	209 → 164	209 → 106
MDMA	MDMA ISTD 197 → 163	195 → 164	195 → 106
MDPV	MDPV ISTD 284 → 134	277 → 127	277 → 176
Mephedrone	Mephedrone ISTD 181 → 163	179 → 161	179 → 145
Mephedrone (TQS)	Mephedrone ISTD 181 → 163	178 → 160	178 → 144
Methamphetamine	Methamphetamine ISTD 155 → 92	151 → 92	151 → 120
Methaqualone	Methaqualone ISTD 258 → 139	252 → 133	252 → 66
Methylone	Methylone ISTD 211 → 163	209 → 161	209 → 133
Methylphenidate	Methylphenidate ISTD 244 → 93	235 → 85	234 → 56
PMA	MDA ISTD 185 → 138	167 → 122	167 → 150
PMA (TQS)	MDA ISTD 185 → 138	166 → 121	166 → 149
Ritalinic acid	Ritalinic acid ISTD 224 → 88	221 → 85	220 → 56
Benzodiazepines			
Alprazolam	Alprazolam ISTD 316 → 288	310 → 282	310 → 206
7-Aminoclonazepam	7-Aminoclonazepam ISTD 290 → 226	286 → 222	286 → 121
7-Aminoflunitrazepam	7-Aminoflunitrazepam ISTD 287 → 138	285 → 136	284 → 227
7-Aminonitrazepam	7-Aminonitrazepam ISTD 257 → 121	253 → 122	252 → 146
Bromazepam	Bromazepam ISTD 320 → 213	316 → 209	316 → 182
Brotizolam	Diazepam ISTD 290 → 154	393 → 282	394 → 315
Chlordiazepoxide	Chlordiazepoxide ISTD 305 → 286	301 → 283	300 → 247
Clobazam	Clobazam ISTD 309 → 267	302 → 260	301 → 224
Clonazepam	Clonazepam ISTD 320 → 274	316 → 270	316 → 214
Demoxepam	Demoxepam ISTD 292 → 180	287 → 180	287 → 269
Desalkylflurazepam	Desalkylflurazepam ISTD 293 → 140	289 → 140	289 → 226
Desmethylflunitrazepam	Desmethylflunitrazepam ISTD 304 → 258	300 → 254	300 → 198
Diazepam	Diazepam ISTD 290 → 154	286 → 155	286 → 194
Estazolam	Estazolam ISTD 300 → 272	296 → 268	296 → 206
Flunitrazepam	Flunitrazepam ISTD 317 → 271	315 → 269	314 → 239
Flurazepam	Flurazepam ISTD 398 → 315	389 → 315	388 → 288
α-Hydroxyalprazolam	α-Hydroxyalprazolam ISTD 330 → 302	325 → 297	325 → 216
α-Hydroxymidazolam	α-Hydroxymidazolam ISTD 346 → 328	342 → 203	342 → 168
α-Hydroxytriazolam	α-Hydroxytriazolam ISTD 365 → 337	359 → 331	359 → 176
3-Hydroxybromazepam	3-Hydroxybromazepam ISTD 336 → 307	332 → 303	332 → 315
Lorazepam	Lorazepam ISTD 325 → 233	321 → 229	321 → 303
Lormetazepam	Lormetazepam ISTD 342 → 296	336 → 290	335 → 177
Medazepam	Medazepam ISTD 275 → 246	271 → 242	272 → 208
Midazolam	Midazolam ISTD 332 → 297	327 → 292	326 → 249
Nitrazepam	Nitrazepam ISTD 287 → 185	282 → 236	282 → 180
Norclobazam	Norclobazam ISTD 293 → 251	287 → 245	287 → 210
Nordiazepam	Nordiazepam ISTD 276 → 140	271 → 140	271 → 165
Oxazepam	Oxazepam ISTD 292 → 163	287 → 163	287 → 104
Prazepam	Prazepam ISTD 330 → 276	326 → 272	326 → 140
Temazepam	Temazepam ISTD 308 → 262	302 → 256	301 → 177
Triazolam	Triazolam ISTD 349 → 312	343 → 308	343 → 315
Boosters			
Gabapentin	Gabapentin ISTD 176 → 139	172 → 137	172 → 154
Pregabalin	Pregabalin ISTD 164 → 57	160 → 55	160 → 83
Promethazine	Promethazine ISTD 291 → 92	286 → 87	286 → 199
Quetiapine	Quetiapine ISTD 388 → 255	385 → 254	385 → 222
Cocaine			
Benzoylcegonine	Benzoylcegonine ISTD 293 → 171	291 → 169	290 → 82
Cocaethylene	Cocaethylene ISTD 321 → 199	319 → 197	318 → 82
Cocaine	Cocaine ISTD 307 → 185	305 → 183	304 → 77
Norcocaine	Norcocaine ISTD 293 → 171	291 → 169	290 → 105
Cannabinoids			
11-Nor-9-carboxy-Δ9-THC	11-Nor-9-carboxy-Δ9-THC ISTD 348 → 302	345 → 299	345 → 193
Opiates/Opioids			
Acetylcodeine	Acetylcodeine ISTD 345 → 225	342 → 225	342 → 165
Buprenorphine	Buprenorphine ISTD 472 → 400	468 → 396	468 → 414
Codeine	Codeine ISTD 306 → 218	300 → 215	300 → 165
Dihydrocodeine	Dihydrocodeine ISTD 308 → 202	302 → 199	302 → 128
EDDP	EDDP ISTD 281 → 234	279 → 234	279 → 250
Fentanyl	Fentanyl ISTD 342 → 188	337 → 188	337 → 105
Hydrocodone	Hydrocodone ISTD 306 → 202	300 → 199	300 → 171
Hydromorphone	Hydromorphone ISTD 289 → 185	286 → 185	286 → 157
Meconin	Meconin ISTD 198 → 105	195 → 105	195 → 77
Meperidine (Pethidine)	Meperidine ISTD 252 → 178	248 → 174	248 → 70
Methadone	Methadone ISTD 319 → 268	311 → 265	311 → 106
6-Monoacetylmorphine	6-Monoacetylmorphine ISTD 334 → 165	328 → 165	328 → 211
Morphine	Morphine ISTD 289 → 165	286 → 165	286 → 201
Naloxone	Naloxone ISTD 333 → 315	328 → 310	328 → 212
Naltrexone	Naltrexone ISTD 345 → 270	342 → 270	342 → 267
Norbuprenorphine	Norbuprenorphine ISTD 417 → 83	414 → 83	414 → 187
Norcodeine	Norcodeine ISTD 289 → 152	286 → 165	286 → 152
Norfentanyl	Norfentanyl ISTD 238 → 84	233 → 84	233 → 55
Normeperidine (Norpethidine)	Normeperidine ISTD 238 → 164	235 → 161	234 → 188
Nortapentadol	Tapentadol ISTD 225 → 107	209 → 108	208 → 121
Nortapentadol (TQS)	Tapentadol ISTD 225 → 107	209 → 122	—
Nortilidine	Nortilidine ISTD 263 → 155	261 → 155	261 → 230
O-Desmethyltramadol	O-Desmethyltramadol ISTD 256 → 64	250 → 58	250 → 42
O-Desmethyltramadol (TQS)	O-Desmethyltramadol ISTD 256 → 64	251 → 59	—
Oxycodone	Oxycodone ISTD 322 → 304	316 → 298	316 → 241
Oxymorphone	Oxymorphone ISTD 305 → 230	302 → 227	302 → 284
Papaverine	Papaverine ISTD 343 → 205	341 → 203	340 → 296
Papaverine (TQS)	Papaverine ISTD 343 → 205	341 → 297	—
Propoxyphene	Propoxyphene ISTD 345 → 58	341 → 58	341 → 267
Sufentanil	Sufentanil ISTD 392 → 238	388 → 238	388 → 112
Tapentadol	Tapentadol ISTD 225 → 107	223 → 108	222 → 121
Thebaine	Thebaine ISTD 315 → 61	312 → 58	312 → 251
Tilidine	Tilidine ISTD 280 → 155	275 → 155	275 → 78
Tramadol	Tramadol ISTD 267 → 58	265 → 58	264 → 42
Z Drugs			
Zaleplon	Zaleplon ISTD 311 → 237	307 → 237	307 → 234
Zolpidem	Zolpidem ISTD 314 → 235	309 → 235	309 → 264
Zopiclone	Zopiclone ISTD 393 → 245	390 → 246	390 → 218
Others			
Ketamine	Ketamine ISTD 242 → 129	239 → 126	238 → 220
LSD	LSD ISTD 327 → 226	324 → 223	324 → 208
Mescaline	Mescaline ISTD 221 → 171	212 → 165	212 → 180
Norketamine	Norketamine ISTD 228 → 129	225 → 126	225 → 208
2-Oxo-3-hydroxy-LSD	Ritalinic acid ISTD 224 → 88	356 → 222	356 → 166
PCP	PCP ISTD 249 → 86	244 → 86	244 → 91
Barbiturates			
Allobarbital	Phenobarbital ISTD 236 → 42	207 → 42	207 → 85
Amobarbital	Pentobarbital ISTD 230 → 42	225 → 42	225 → 182
Barbital	Phenobarbital ISTD 236 → 42	183 → 42	183 → 140
Butalbital	Butalbital ISTD 228 → 42	223 → 42	223 → 180
Hexobarbital	Secobarbital ISTD 242 → 42	235 → 42	—
Pentobarbital	Pentobarbital ISTD 230 → 42	225 → 42	225 → 182
Phenobarbital	Phenobarbital ISTD 236 → 42	231 → 42	231 → 188
Secbutabarbital	Butalbital ISTD 228 → 42	211 → 42	211 → 168
Secobarbital	Secobarbital ISTD 242 → 42	237 → 42	237 → 194
Thiopental	Secobarbital ISTD 242 → 42	241 → 58	241 → 101