

QCS	QTOF STANDARDS	Formula	m/z	LOD (ng/ml)	Cutoff (ng/ml)
3	Aripiprazole	C ₂₃ H ₂₇ Cl ₂ N ₃ O ₂	448.15531	5	25
3	Atomoxetine	C ₁₇ H ₂₁ NO	256.16959	40	50
3	Chlordiazepoxide	C ₁₆ H ₁₄ ClN ₃ O	300.08982	5	10
3	Chlorpheniramine	C ₁₆ H ₁₉ ClN ₂	275.13095	20	20
3	Clonidine	C ₉ H ₉ Cl ₂ N ₃	230.02463	10	10
3	Clozapine	C ₁₈ H ₁₉ ClN ₄	327.1371	50	50
3	Cocaethylene	C ₁₈ H ₂₃ NO ₄	318.16998	2.5	10
3	Flunitrazepam	C ₁₆ H ₁₂ FN ₃ O ₃	314.09355	5	5
3	Isobutryl Fentanyl	C ₂₃ H ₃₀ N ₂ O	351.24309	2.5	2.5
3	Loratadine	C ₂₂ H ₂₃ ClN ₂ O ₂	383.15208	10	10
3	Meclizine	C ₂₅ H ₂₇ ClN ₂	391.19355	40	50
3	Meperidine	C ₁₅ H ₂₁ NO ₂	248.16451	25	25
3	Methylone	C ₁₁ H ₁₃ NO ₃	208.09682	40	50
3	Mirtazapine	C ₁₇ H ₁₉ N ₃	266.16517	20	25
3	Noroxycodone	C ₁₇ H ₁₉ NO ₄	302.13868	50	50
3	Oxazepam	C ₁₅ H ₁₁ ClN ₂ O ₂	287.05818	40	40
3	Pentylone	C ₁₃ H ₁₇ NO ₃	236.12812	40	50
3	Promethazine	C ₁₇ H ₂₀ N ₂ S	285.142	25	25
3	Thioridazine	C ₂₁ H ₂₆ N ₂ S ₂	371.16102	25	50
3	Triazolam	C ₁₇ H ₁₂ Cl ₂ N ₄	343.05118	5	5
3	Venlafaxine	C ₁₇ H ₂₇ NO ₂	278.21146	20	20
3	Zolpidem	C ₁₉ H ₂₁ N ₃ O	308.17574	2.5	10
4	3 4-Methylenedioxypyrovalerone (MDPV)	C ₁₆ H ₂₁ NO ₃	276.15942	20	25
4	7-Aminoclonazepam	C ₁₅ H ₁₂ ClN ₃ O	286.07417	5	10
4	Alpha-Pyrrolidinovalerophenone (Alpha-PVP)	C ₁₅ H ₂₁ NO	232.16959	40	40
4	Alprazolam	C ₁₇ H ₁₃ ClN ₄	309.09015	20	20
4	Amoxapine	C ₁₇ H ₁₆ ClN ₃ O	314.10547	10	100
4	Butylone	C ₁₂ H ₁₅ NO ₃	222.11247	20	20
4	Carisoprodol	C ₁₂ H ₂₄ N ₂ O ₄	261.18088	25	400
4	Desalkyflurazepam	C ₁₅ H ₁₀ ClFN ₂ O	289.05385	30	30
4	Desipramine	C ₁₈ H ₂₂ N ₂	267.18558	100	100
4	Diclazepam	C ₁₆ H ₁₂ Cl ₂ N ₂ O	319.03994	5	10
4	Doxepin	C ₁₉ H ₂₁ NO	280.16959	20	50
4	Etizolam	C ₁₇ H ₁₅ ClN ₄ S	343.07787	10	10
4	Methoxetamine	C ₁₅ H ₂₁ NO ₂	248.16451	5	5
4	Metoclopramide	C ₁₄ H ₂₂ ClN ₃ O ₂	300.14733	20	50
4	Oxymorphone	C ₁₇ H ₁₉ NO ₄	302.13868	40	40
4	Procainamide	C ₁₃ H ₂₁ N ₃ O	236.17574	25	500
4	Quetiapine	C ₂₁ H ₂₅ N ₃ O ₂ S	384.17402	2.5	10
4	Trazodone	C ₁₉ H ₂₂ ClN ₅ O	372.15856	25	25
4	U-47700	C ₁₆ H ₂₂ Cl ₂ N ₂ O	329.1182	40	40
4	Verapamil	C ₂₇ H ₃₈ N ₂ O ₄	455.29043	10	25

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6	4-ANPP	C ₁₉ H ₂₄ N ₂	281.20123	5	5
6	7-Aminoflunitrazepam	C ₁₆ H ₁₄ FN ₃ O	284.11937	20	20
6	Amitriptyline	C ₂₀ H ₂₃ N	278.19033	50	50
6	Brompheniramine	C ₁₆ H ₁₉ BrN ₂	319.08044	10	10
6	Buspirone	C ₂₁ H ₃₁ N ₅ O ₂	386.25505	10	25
6	Citalopram	C ₂₀ H ₂₁ FN ₂ O	325.17107	20	25
6	Cyclobenzaprine	C ₂₀ H ₂₁ N	276.17468	25	25
6	Dextromethorphan	C ₁₈ H ₂₅ NO	272.20089	10	10
6	Diazepam	C ₁₆ H ₁₃ ClN ₂ O	285.07892	20	20
6	Fentanyl	C ₂₂ H ₂₈ N ₂ O	337.22744	2.5	2.5
6	Furanylfenanyl	C ₂₄ H ₂₆ N ₂ O ₂	375.2067	2.5	2.5
6	Gabapentin	C ₉ H ₁₇ NO ₂	172.13321	25	400
6	Hydroxyzine	C ₂₁ H ₂₇ ClN ₂ O ₂	375.18338	2.5	20
6	Methadone	C ₂₁ H ₂₇ NO	310.21654	10	10
6	Normeperidine	C ₁₄ H ₁₉ NO ₂	234.14886	40	40
6	O-Desmethylenlafaxine	C ₁₆ H ₂₅ NO ₂	264.19581	2.5	50
6	Oxcarbazepine	C ₁₅ H ₁₂ N ₂ O ₂	253.09715	20	400
6	Risperidone	C ₂₃ H ₂₇ FN ₄ O ₂	411.21908	5	10