

Table S1. Peptide Assignments

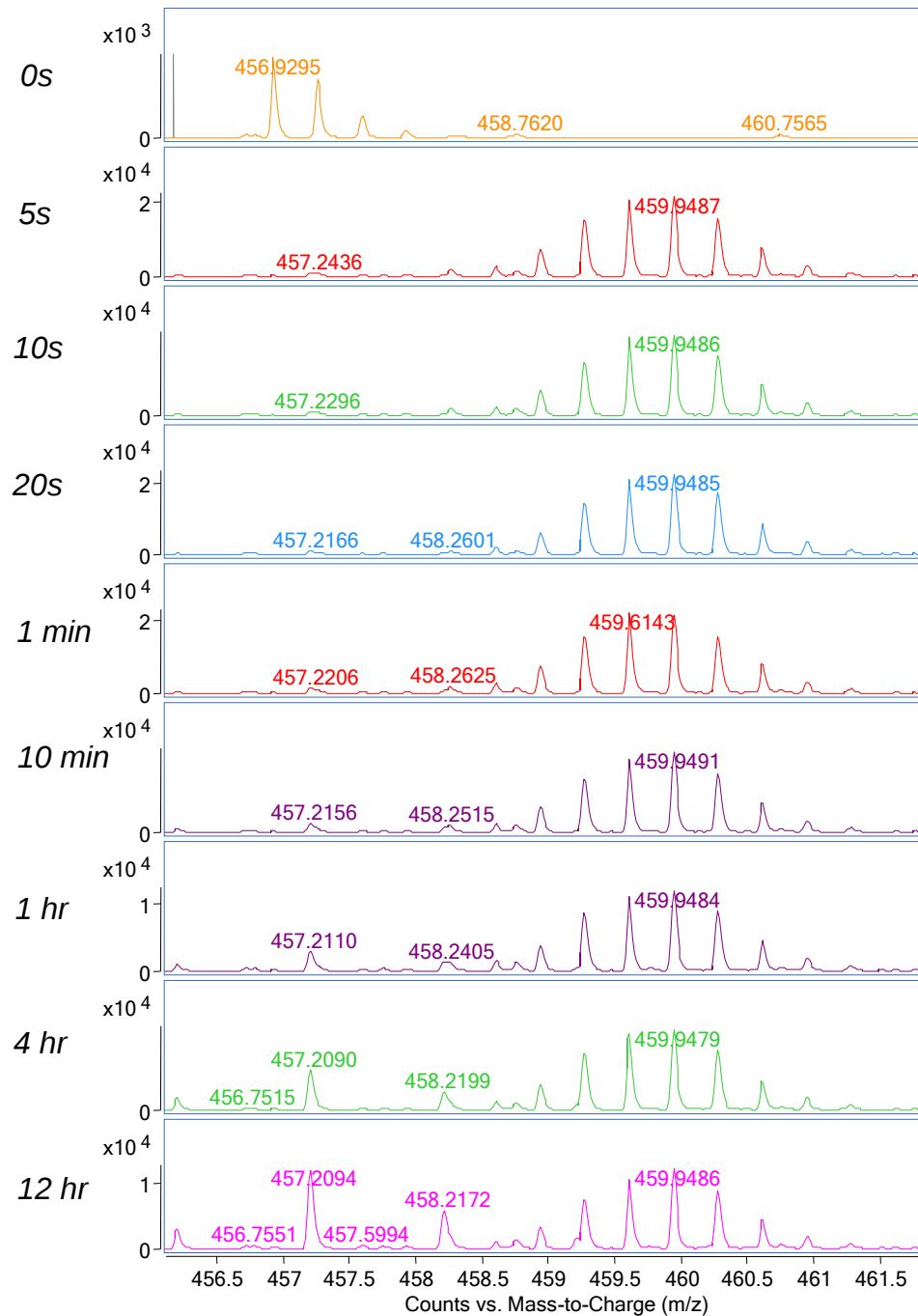
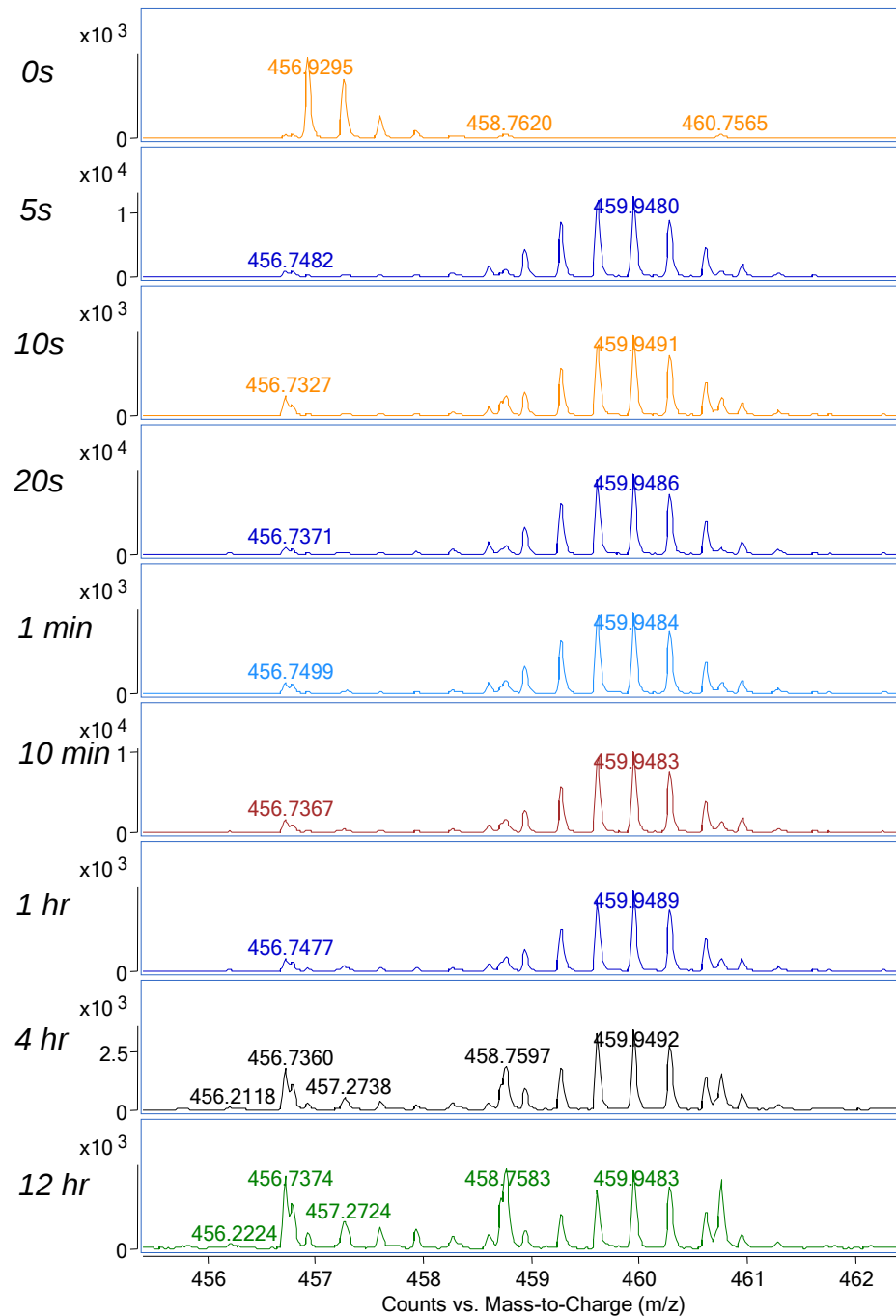
Peptide	Sequence	# of exchangeable amides	RT (min)	Monoisotopic m/z (observed)	z	Monoisotopic Mass (observed)	Monoisotopic Mass (calculated)	Mass error (ppm)
ACTR(1-12)	GTQNRPLLRNSL	9	5.0	456.93	3	1367.77	1367.76	2.21
ACTR(13-22)	DDLVGPPSNL	6	6.5	1026.51	1	1025.50	1025.50	-0.12
ACTR(29-35)	RALLDQL	5	6.2	414.75	2	827.49	827.49	1.17
ACTR(33-42)	DQLHTLLSNT	8	6.6	571.30	2	1140.58	1140.58	0.67
ACTR(33-47)	DQLHTLLSNTDATGL	13	7.2	799.91	2	1597.80	1597.79	1.43
ACTR(36-47)	HTLLSNTDATGL	10	5.9	621.82	2	1241.63	1241.63	1.03
ACTR(48-59)	EEIDRALGIPEL	9	7.2	677.87	2	1353.72	1353.71	1.68
ACTR(60-71)	VNQGQALEPKQD	9	3.3	663.84	2	1325.66	1325.66	2.04
CBP(1-10)	PNRSISPSAL	7	5.1	521.29	2	1040.56	1040.56	3.01
CBP(1-14)	PNRSISPSALQDLL	11	7.1	755.92	2	1509.82	1509.82	3.52
CBP(17-30)	LKSPSPQQQQQVL	10	4.9	784.43	2	1566.84	1566.84	1.97
CBP(30-38)	LNILKSNPQ	6	5.5	513.80	2	1025.59	1025.59	1.36
CBP(31-40)	NILKSNPQLM	7	5.8	579.32	2	1156.63	1156.63	2.97
CBP(40-43)	MAAF	2	5.9	439.20	1	438.19	438.19	1.17
CBP(43-59)	FIKQRTAKYVANQPGMQ	14	4.1	660.69	3	1979.05	1979.04	3.48

Figure S1. Peptide Deuterium Uptake Spectra

Free

ACTR 1-12

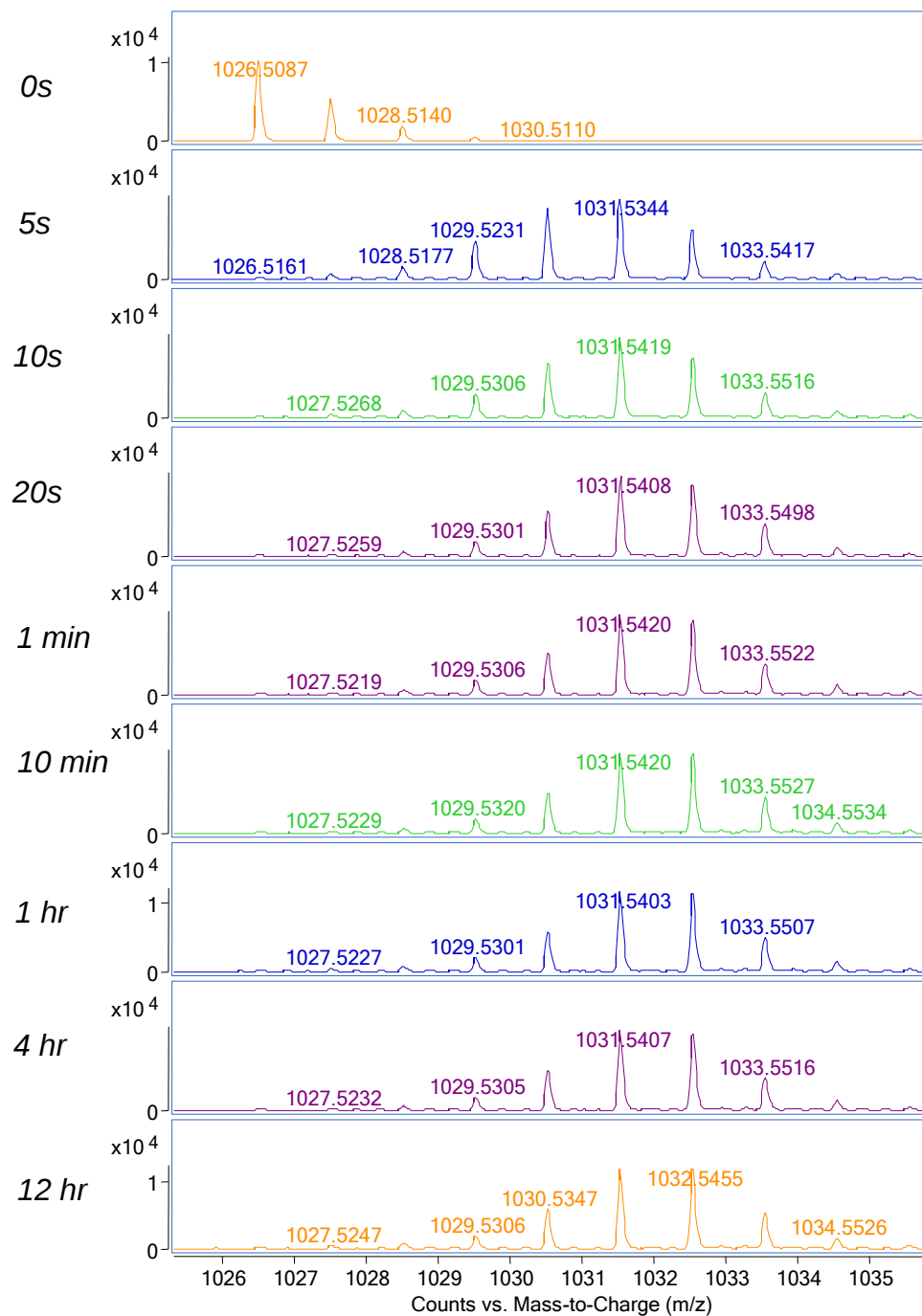
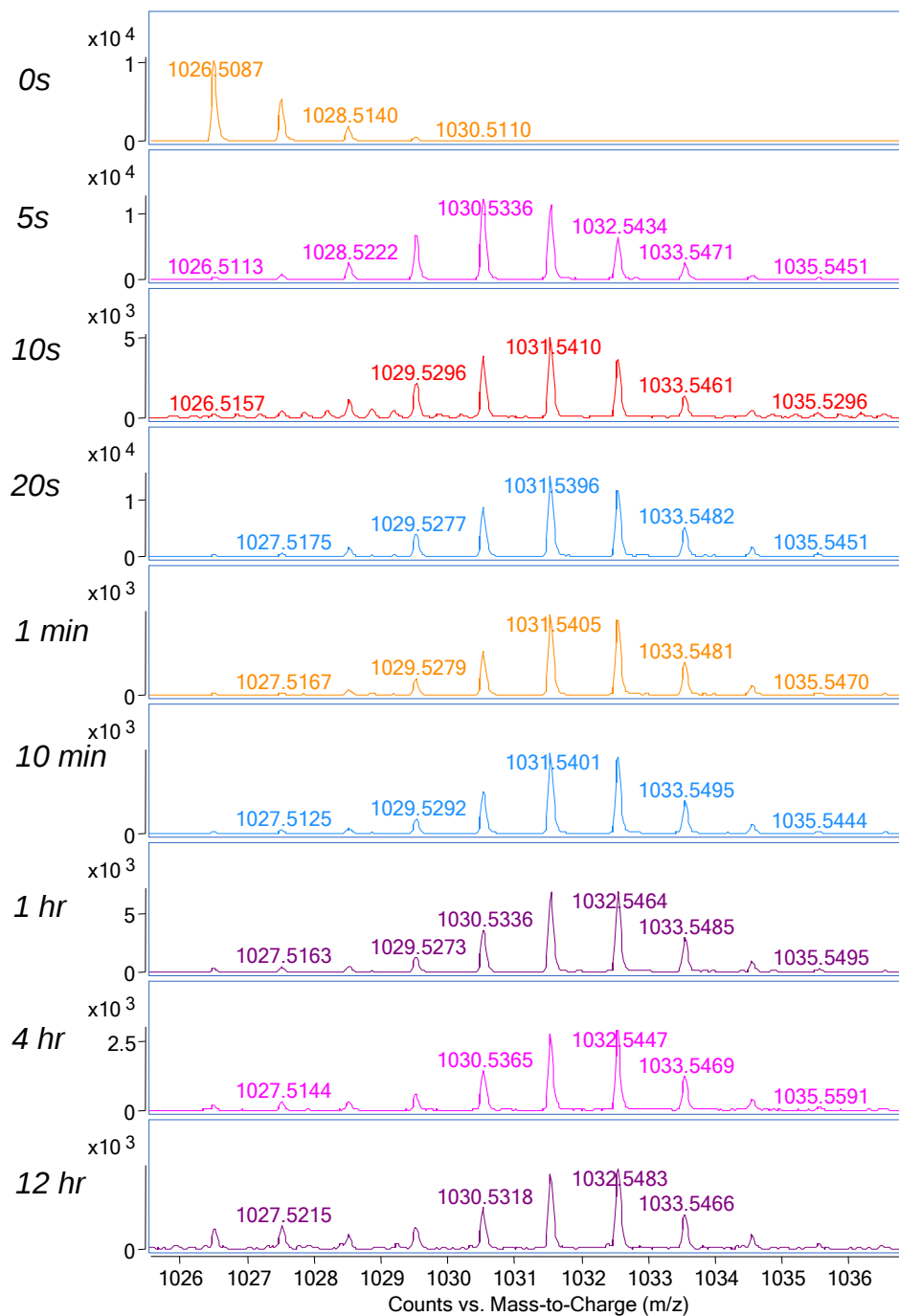
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ACTR 13-22

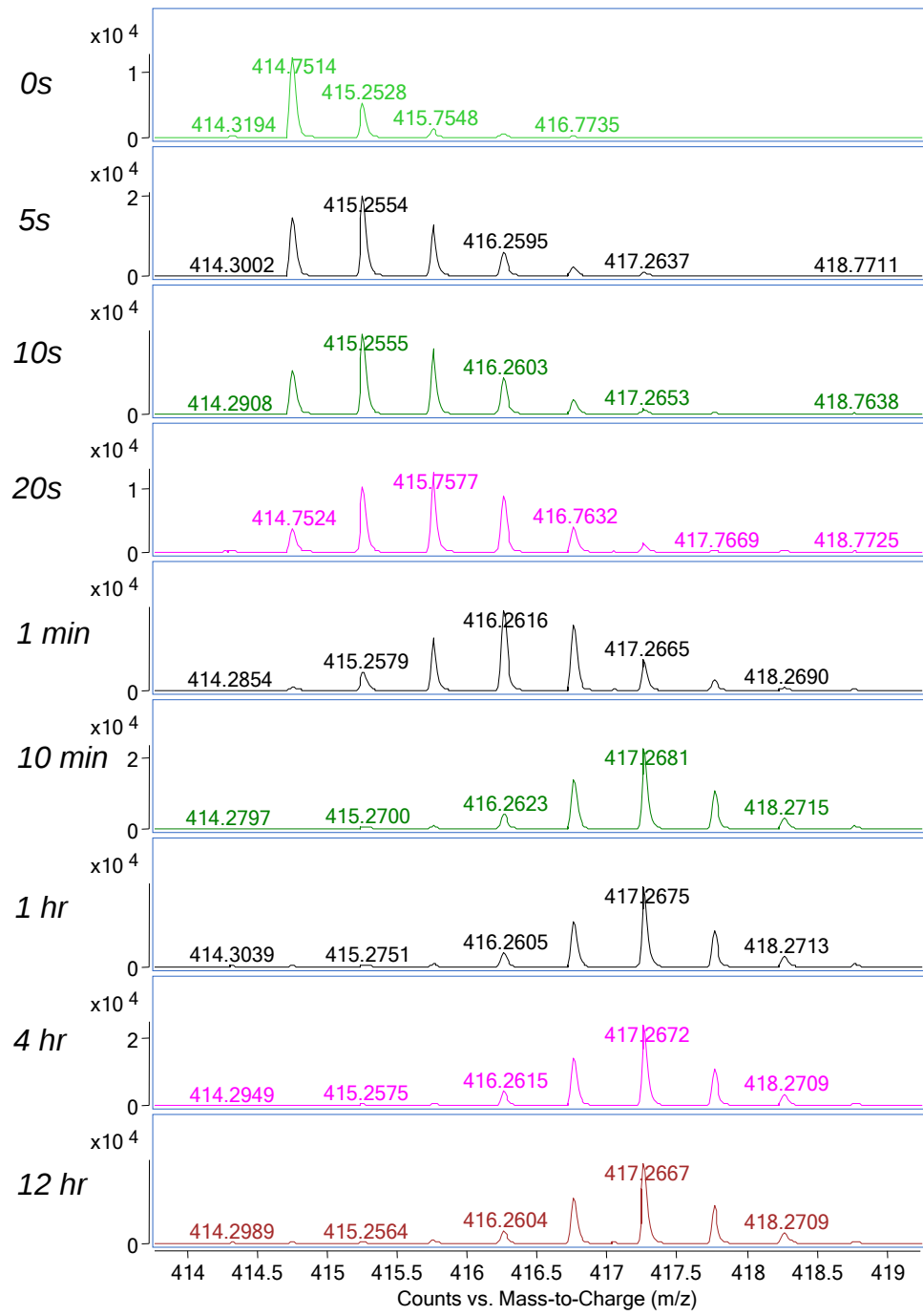
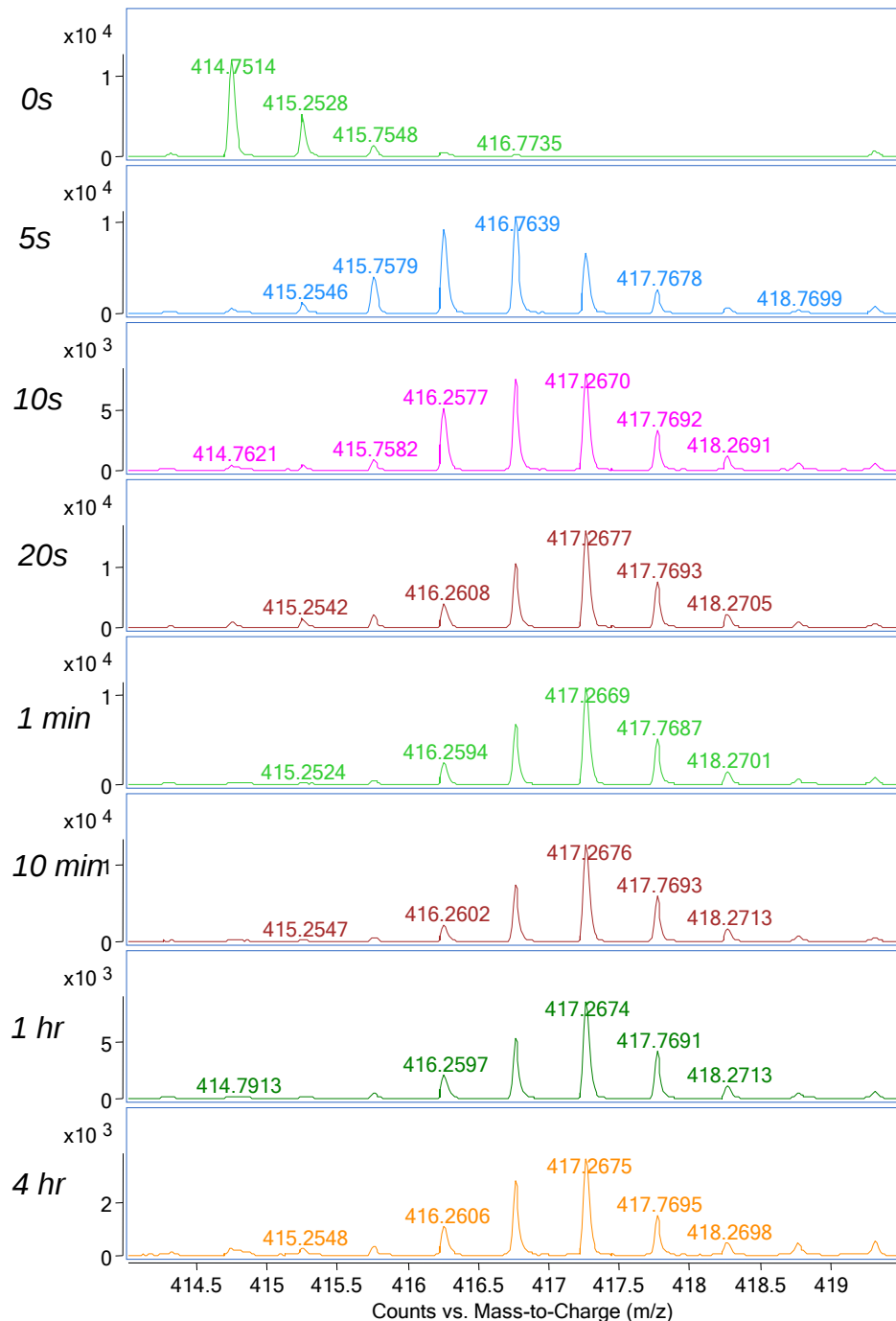
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ACTR 29-35

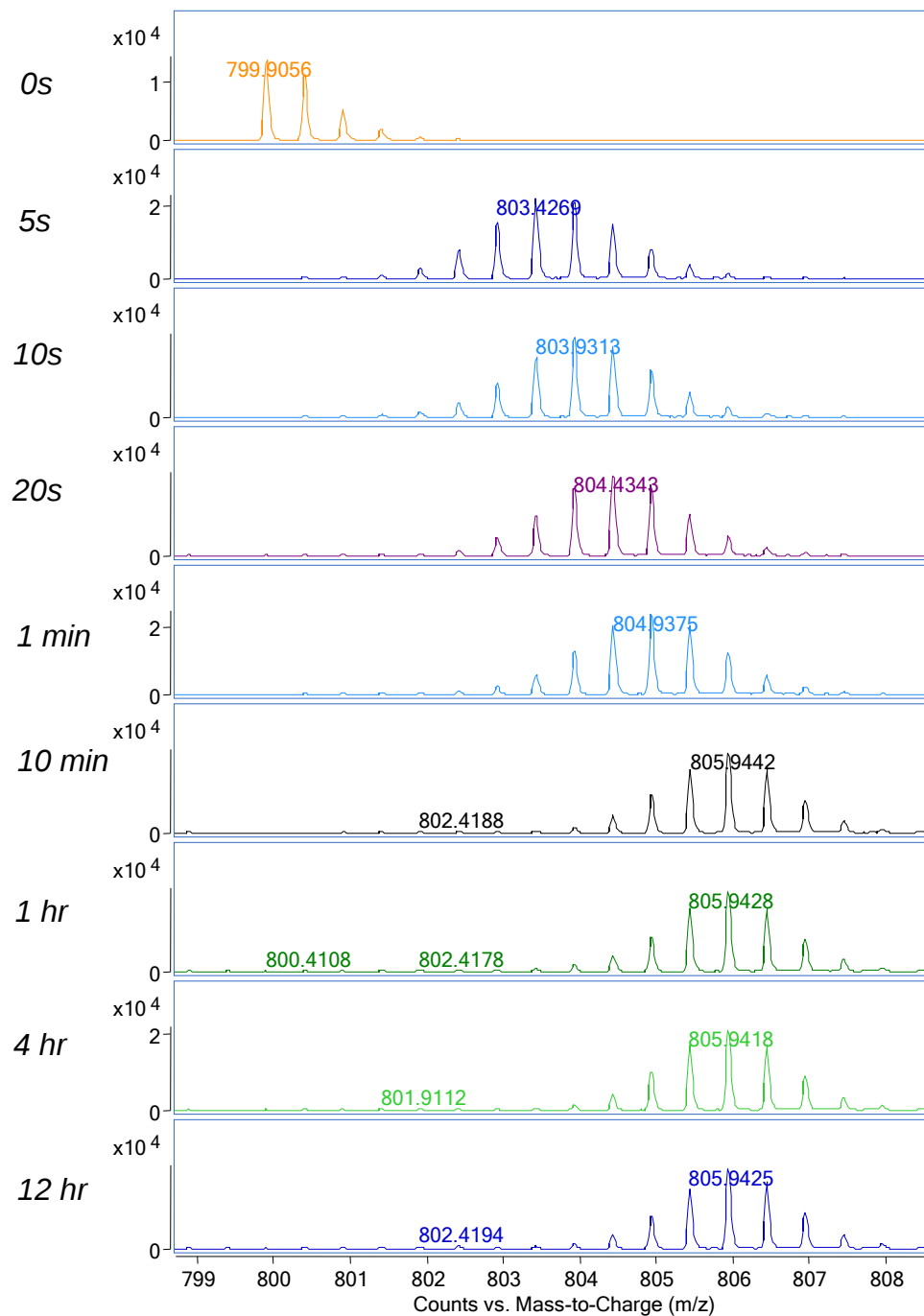
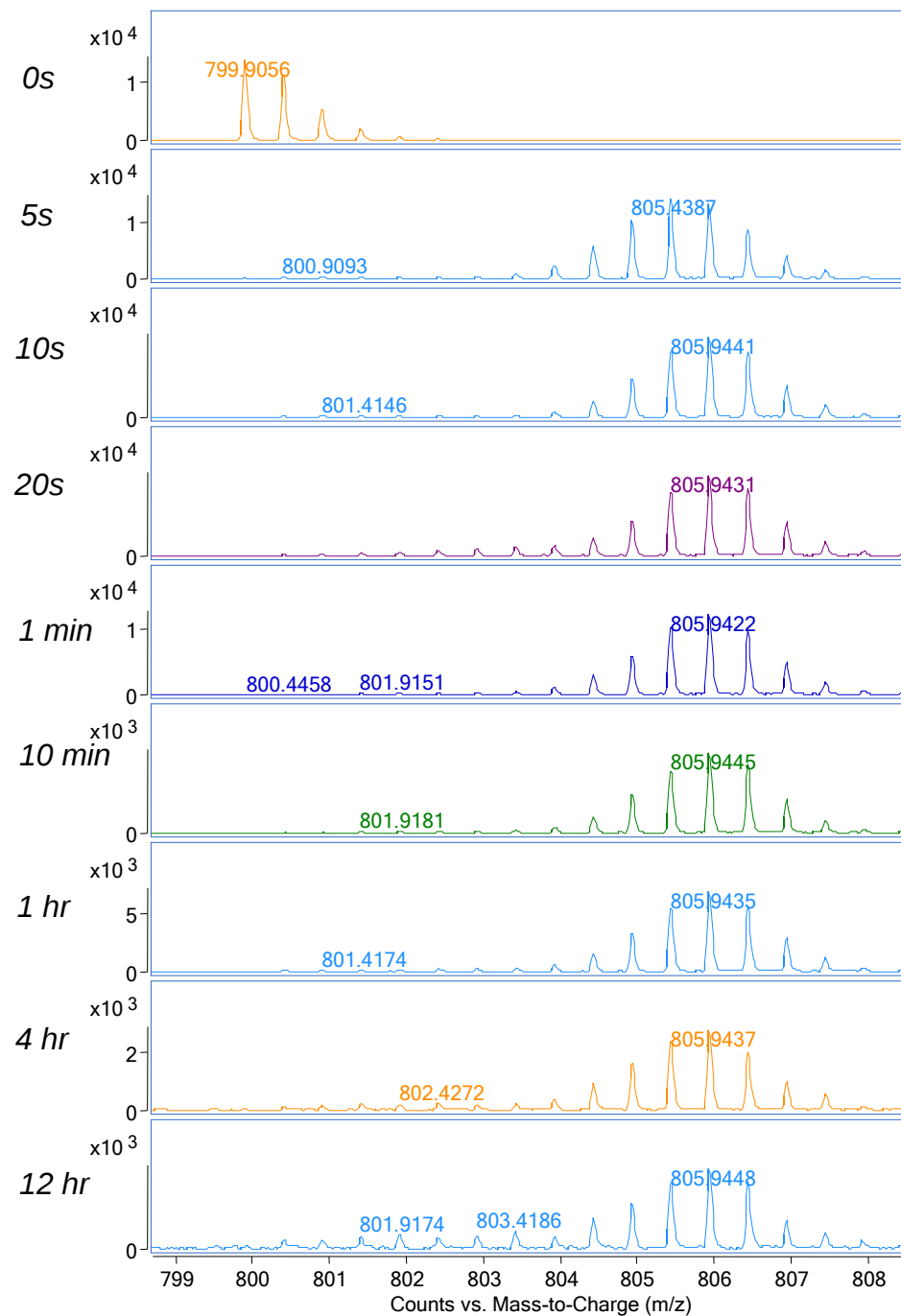
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ACTR 33-47

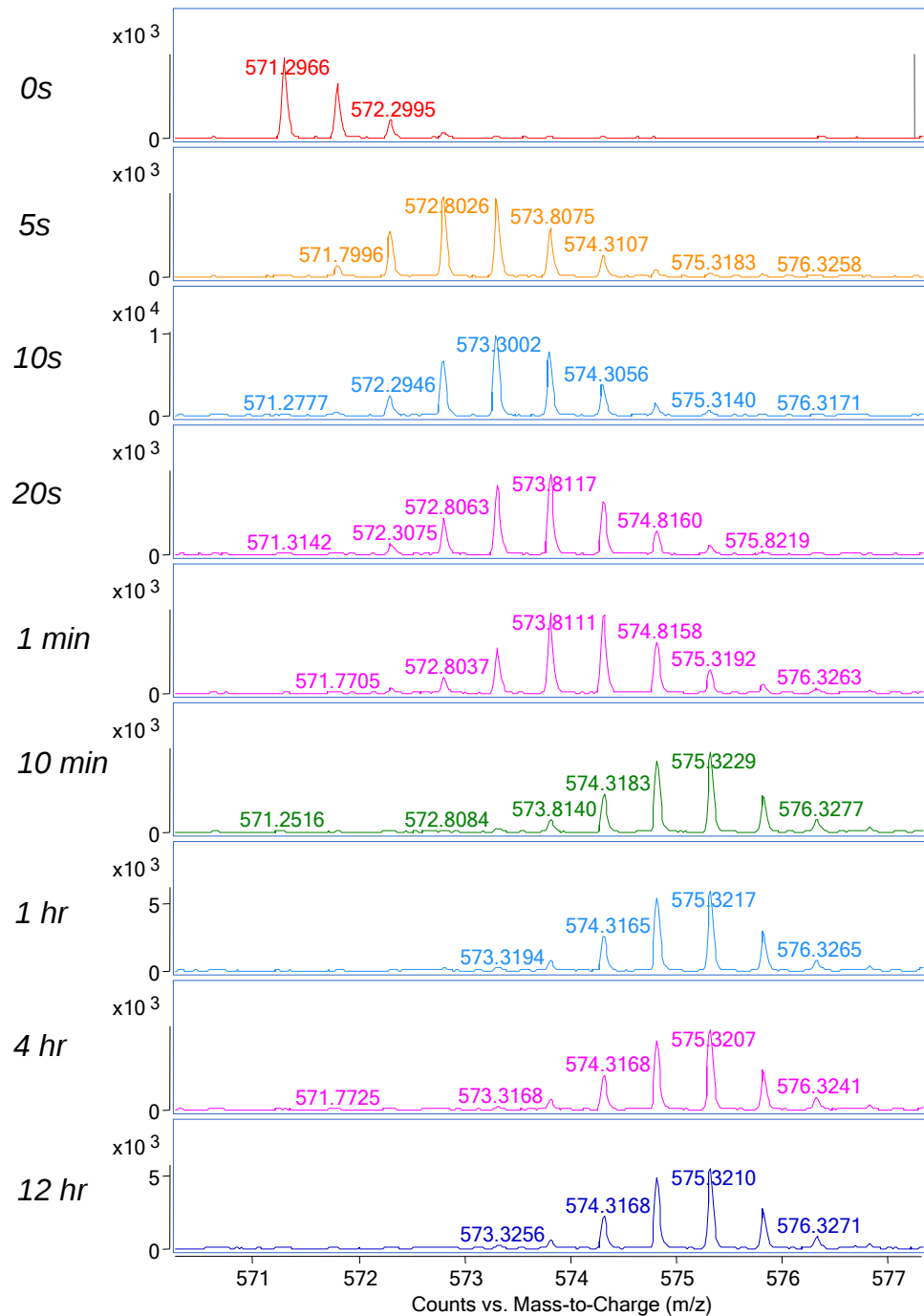
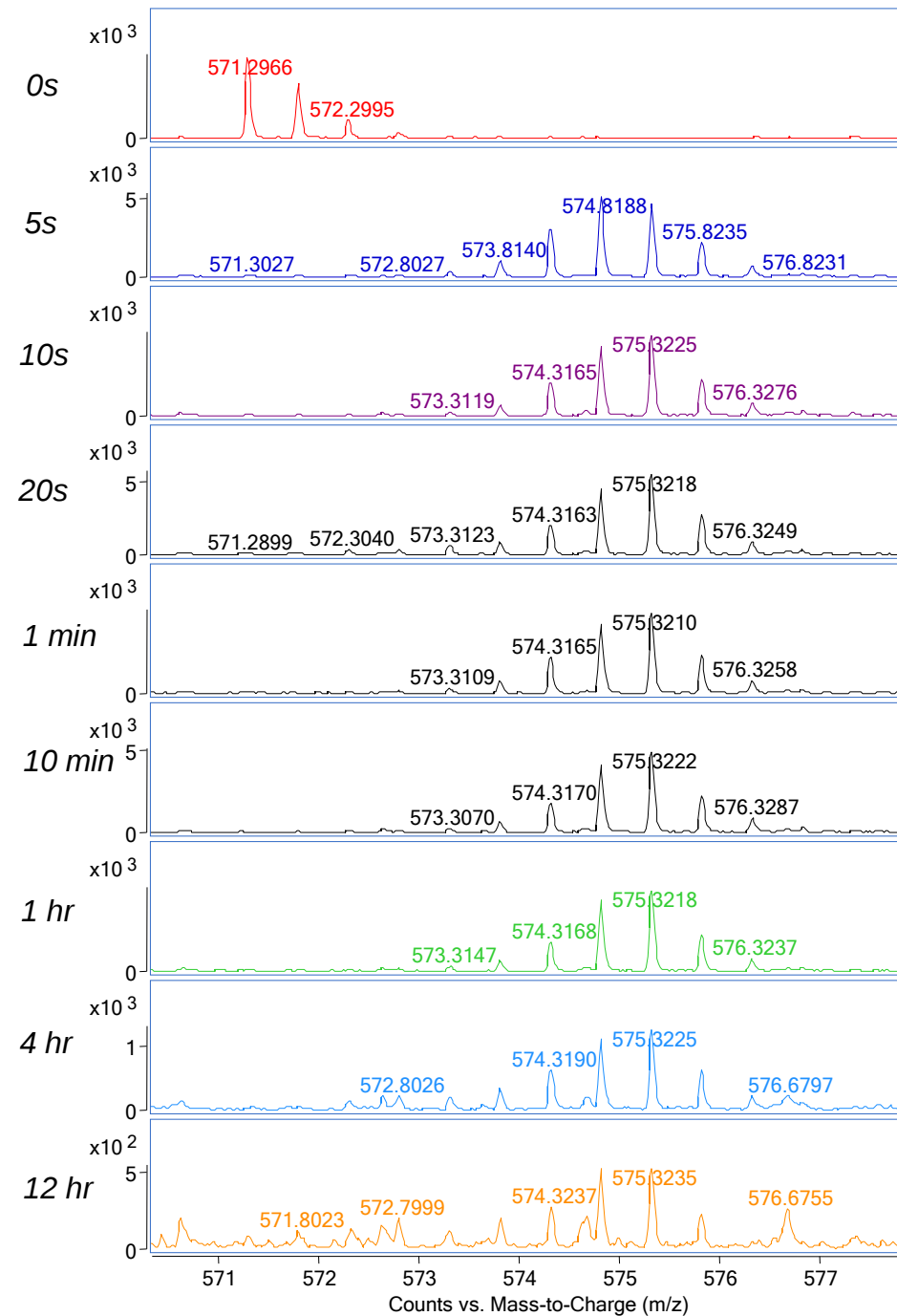
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ACTR 33-42

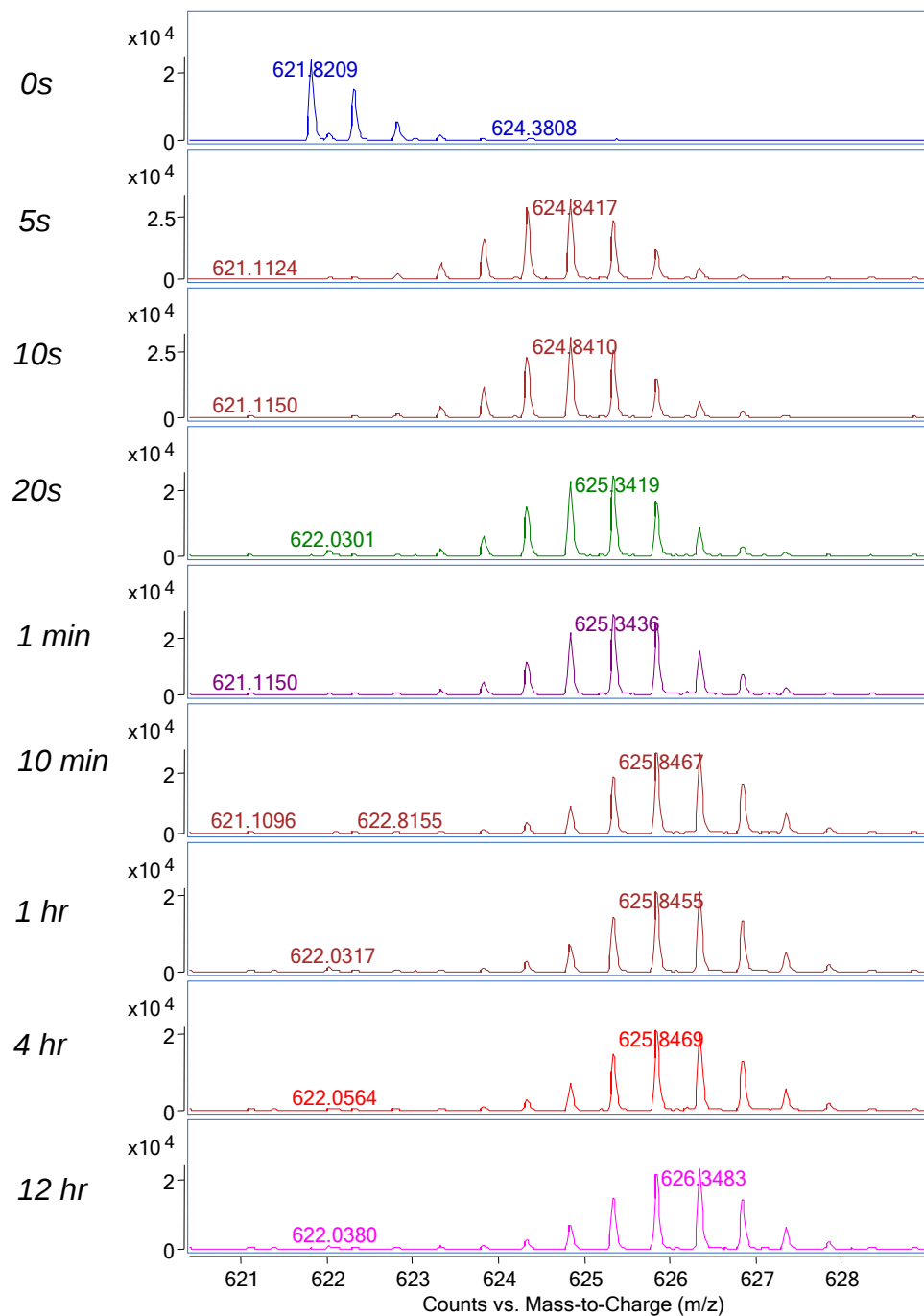
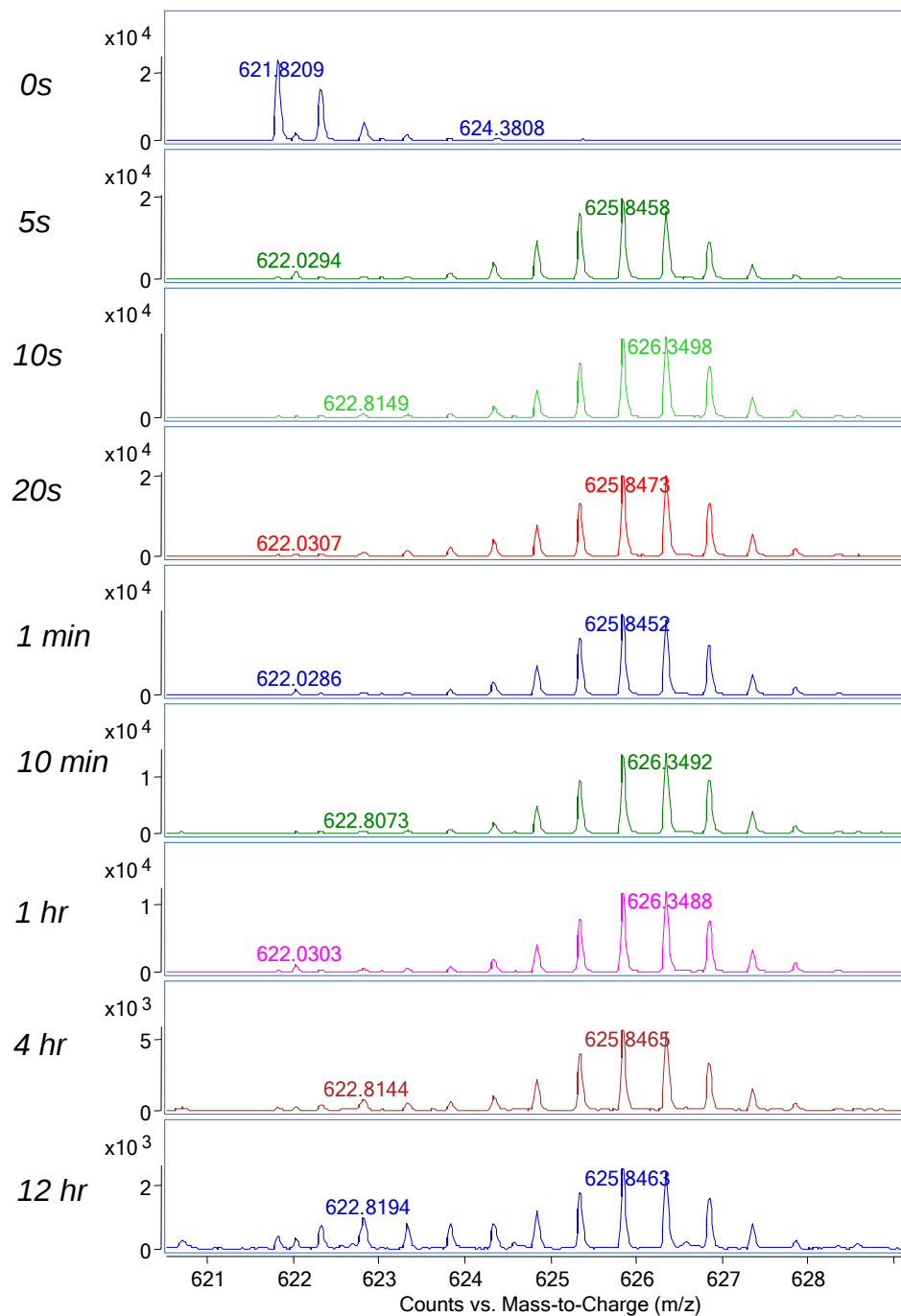
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ACTR 36-47

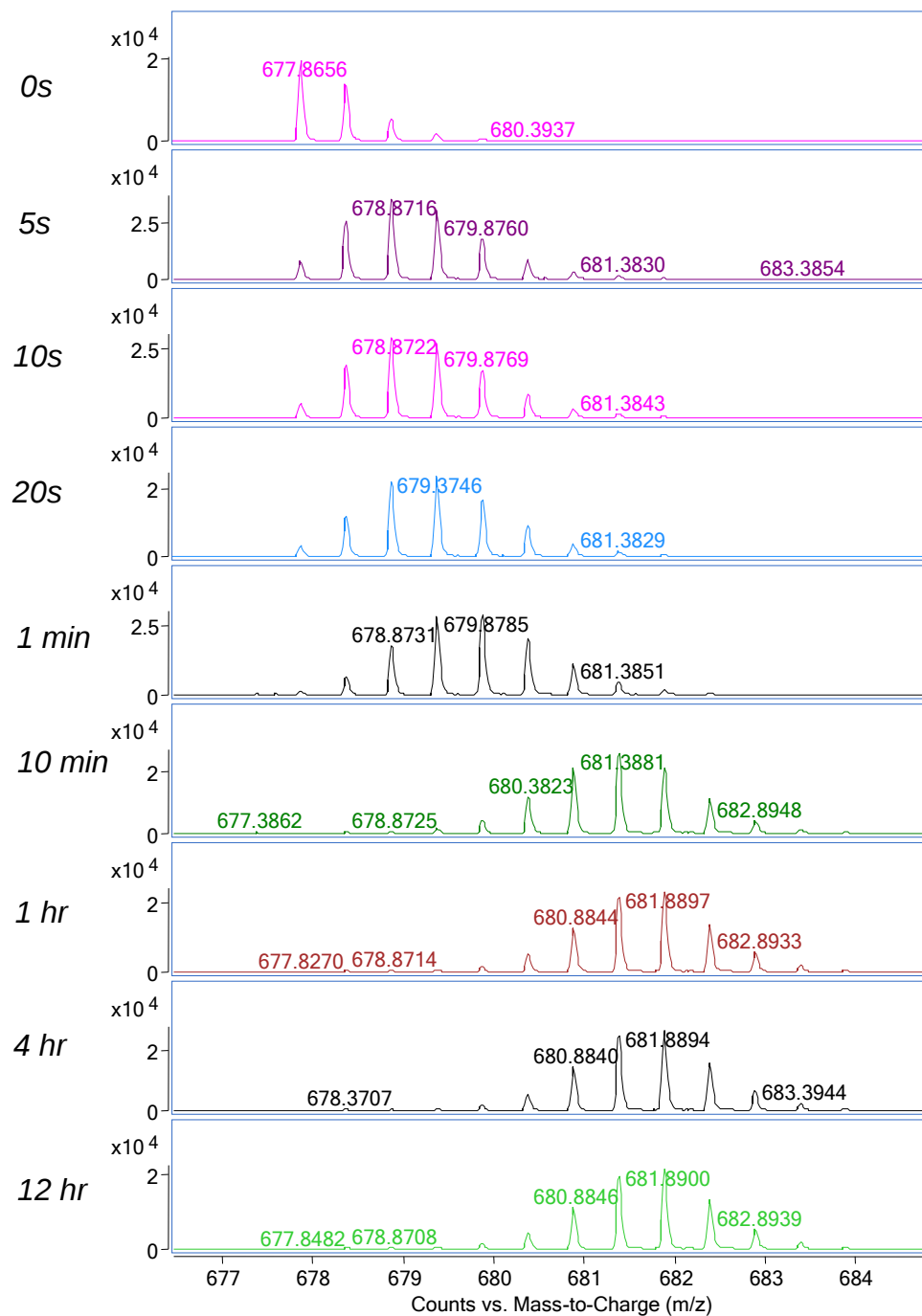
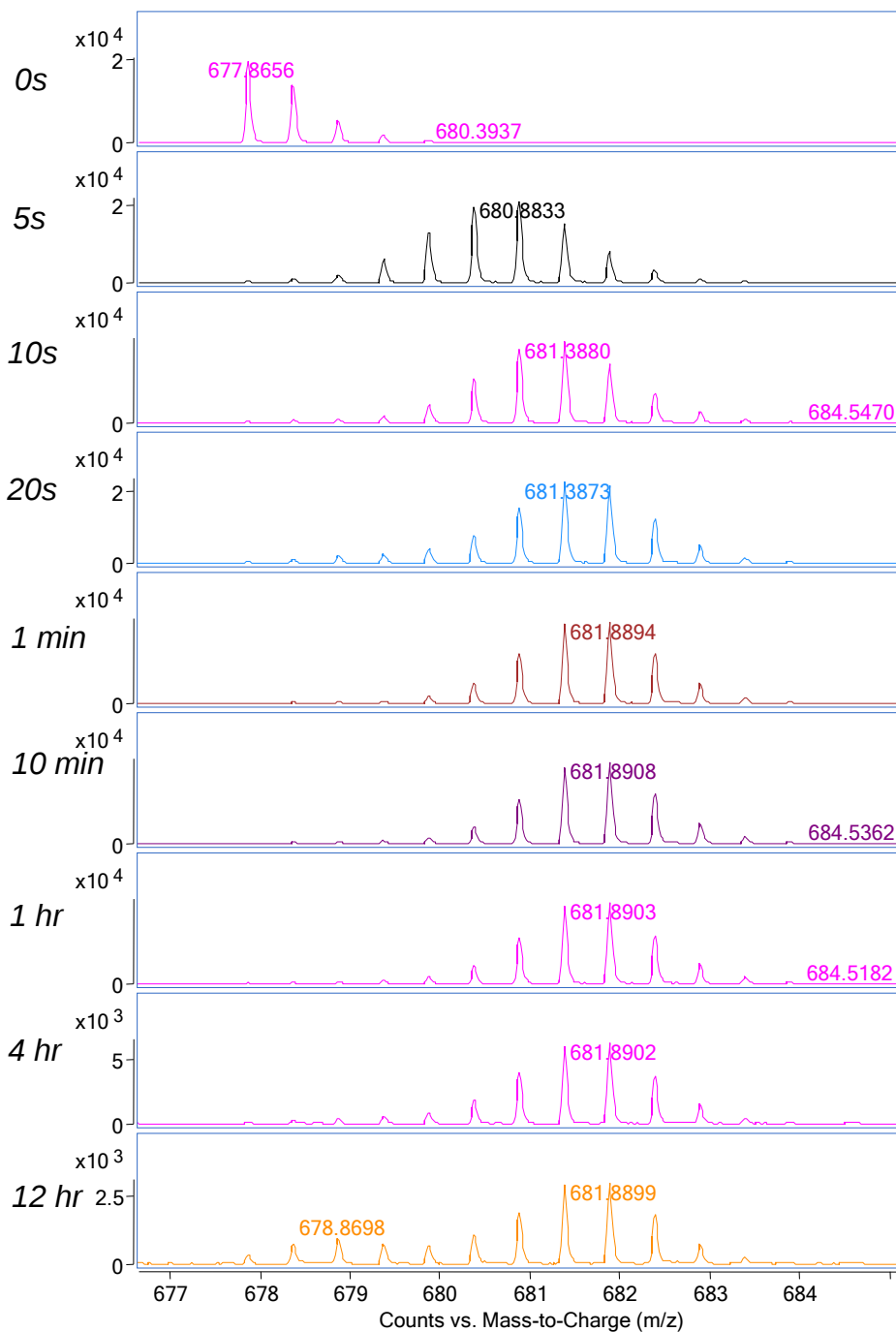
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ACTR 48-59

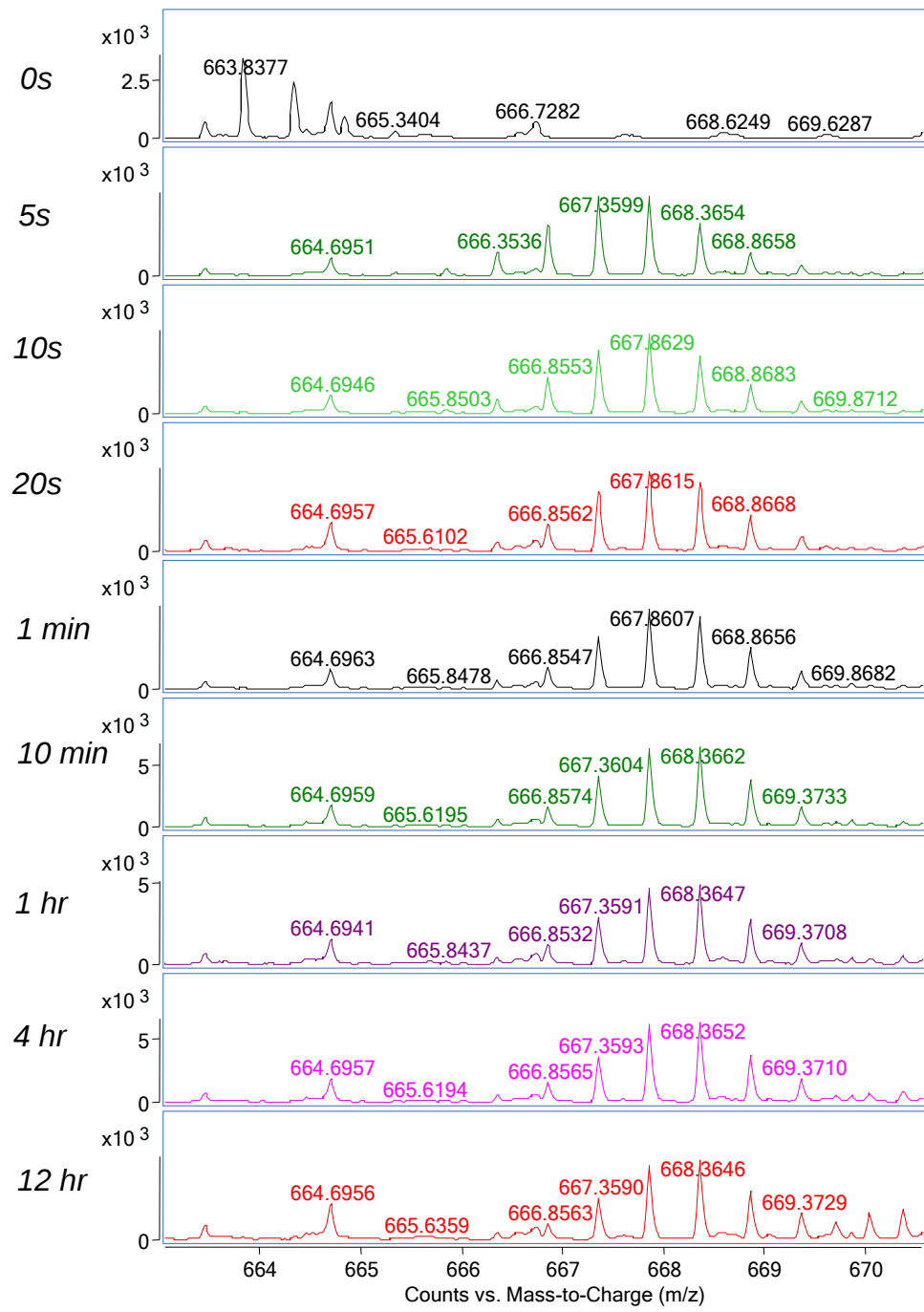
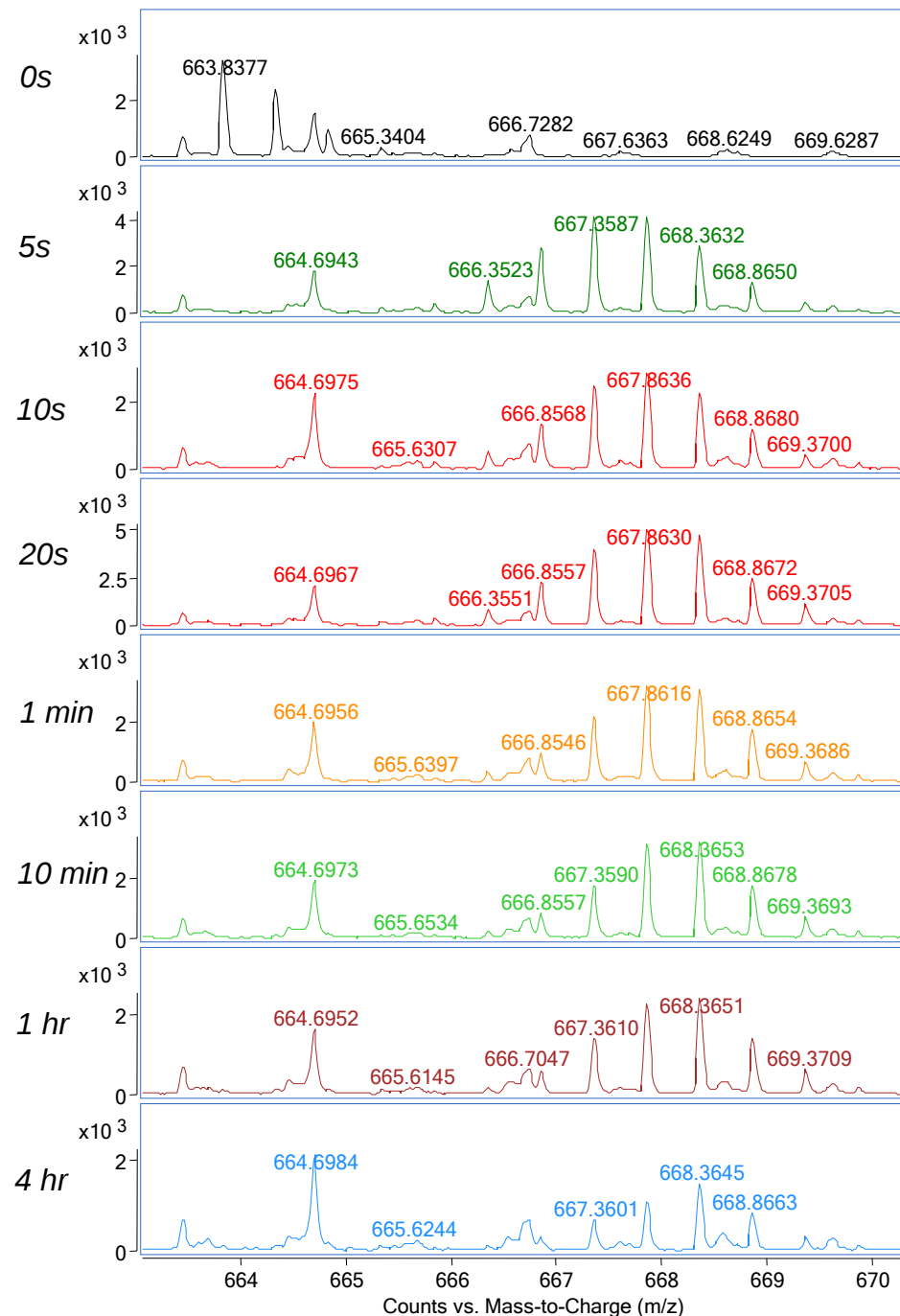
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ACTR 60-71

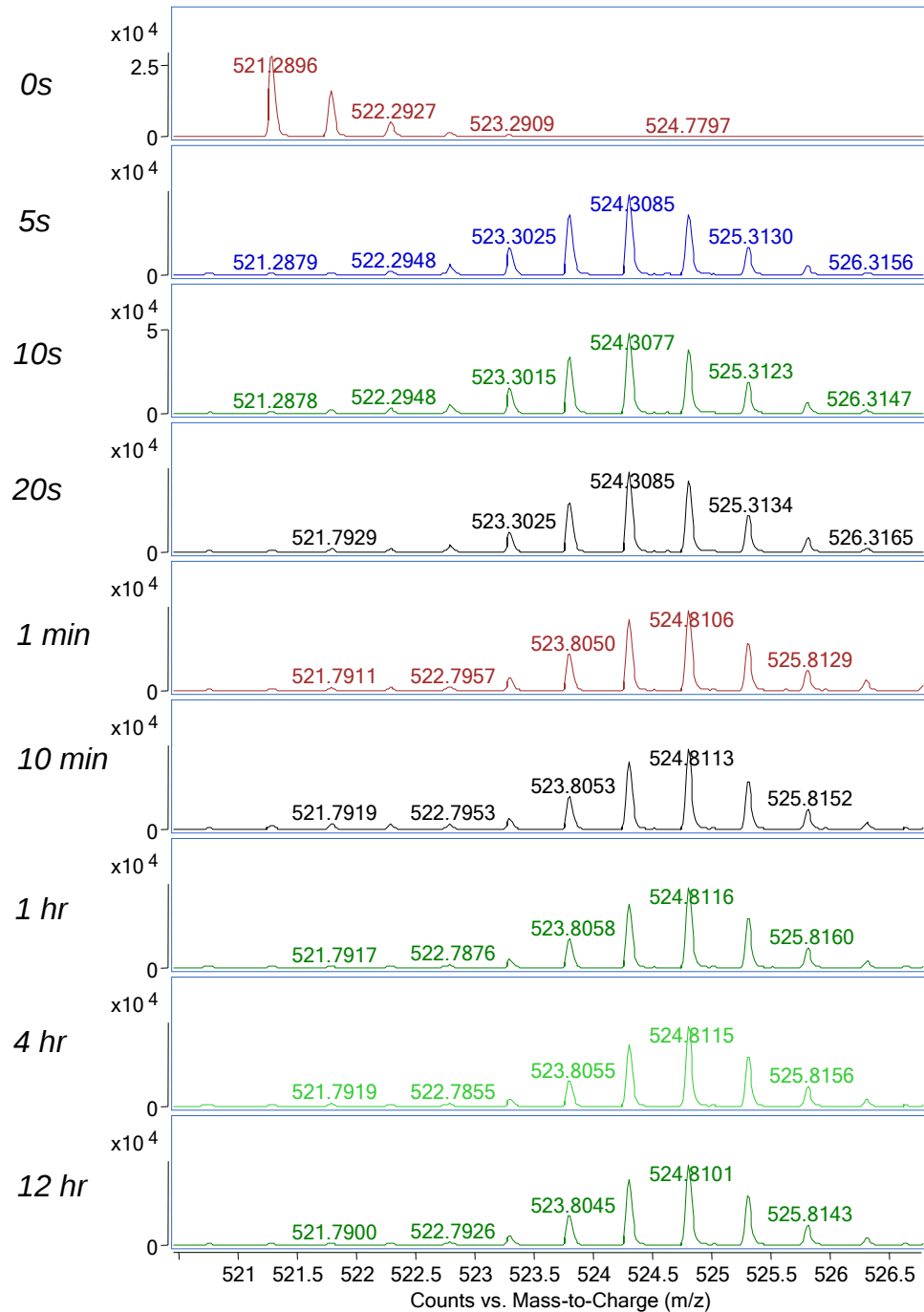
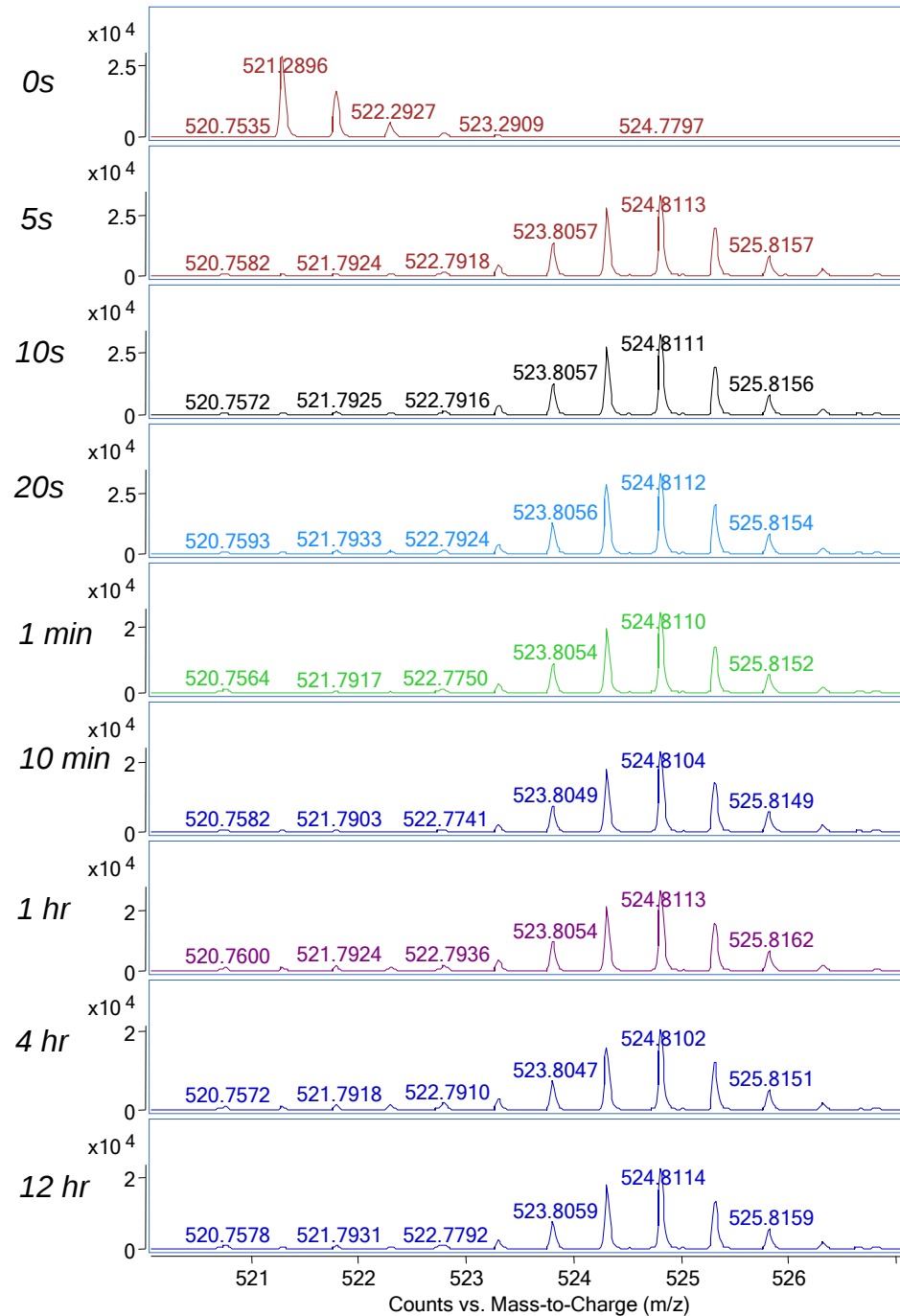
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CBP1-10

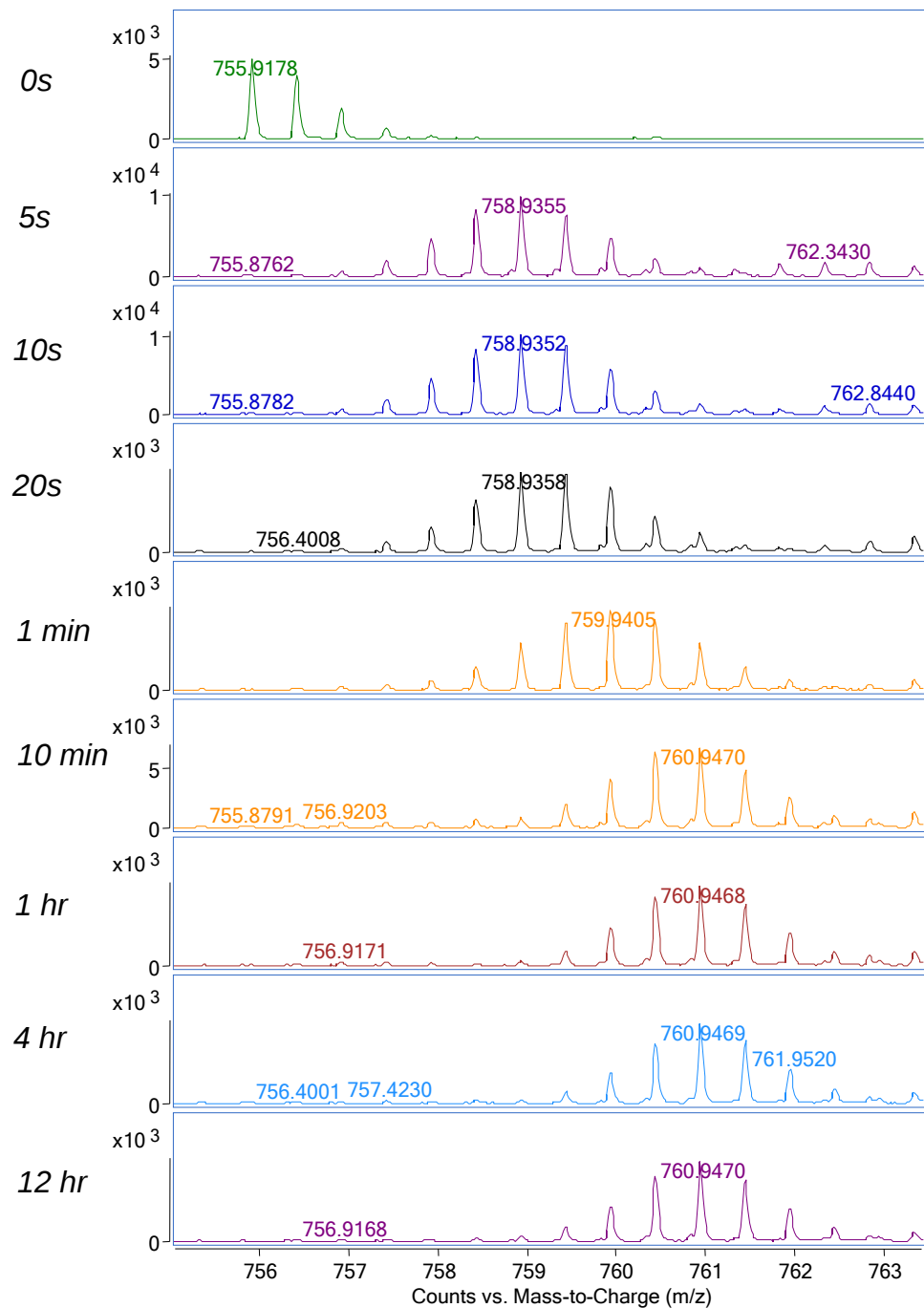
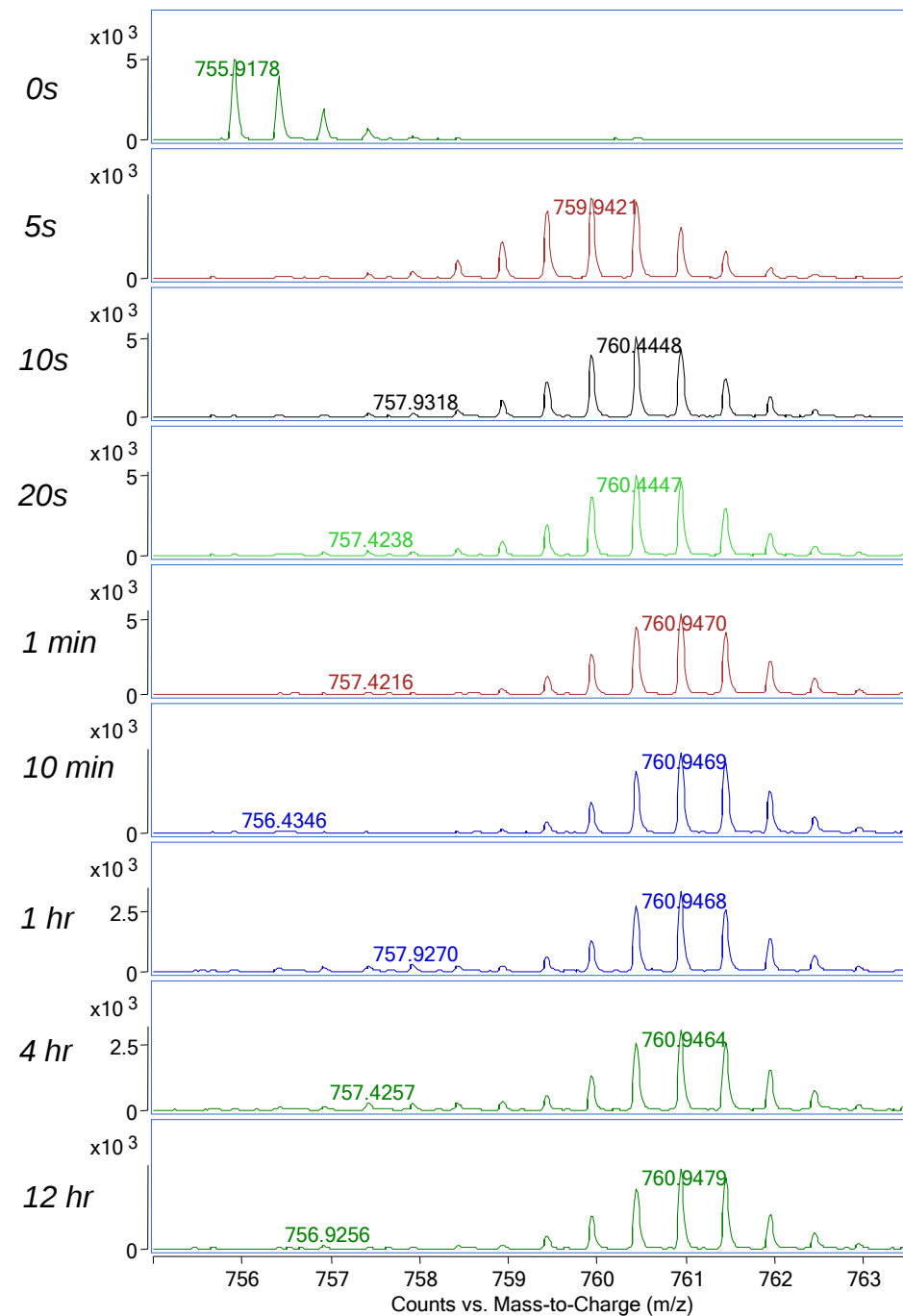
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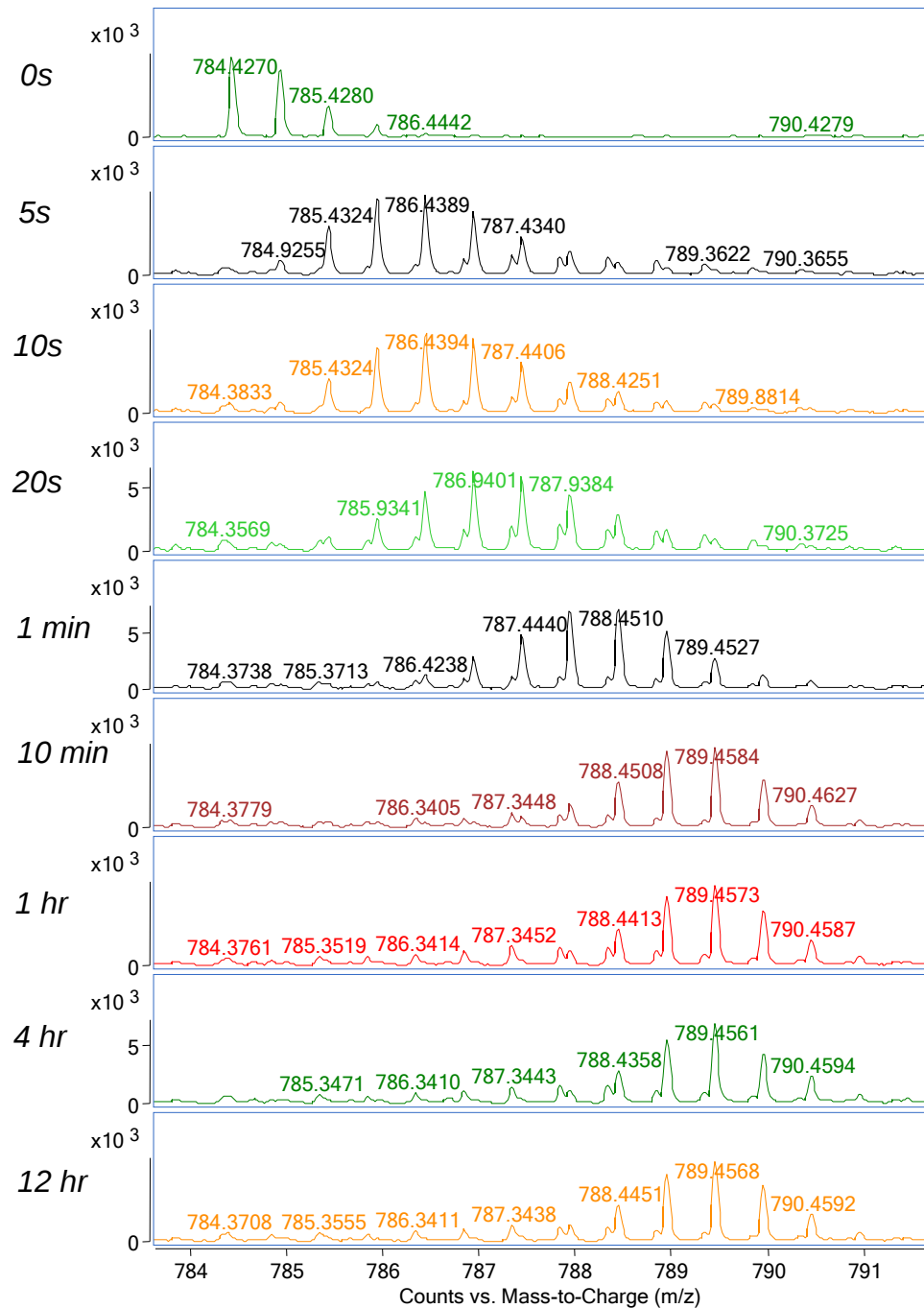
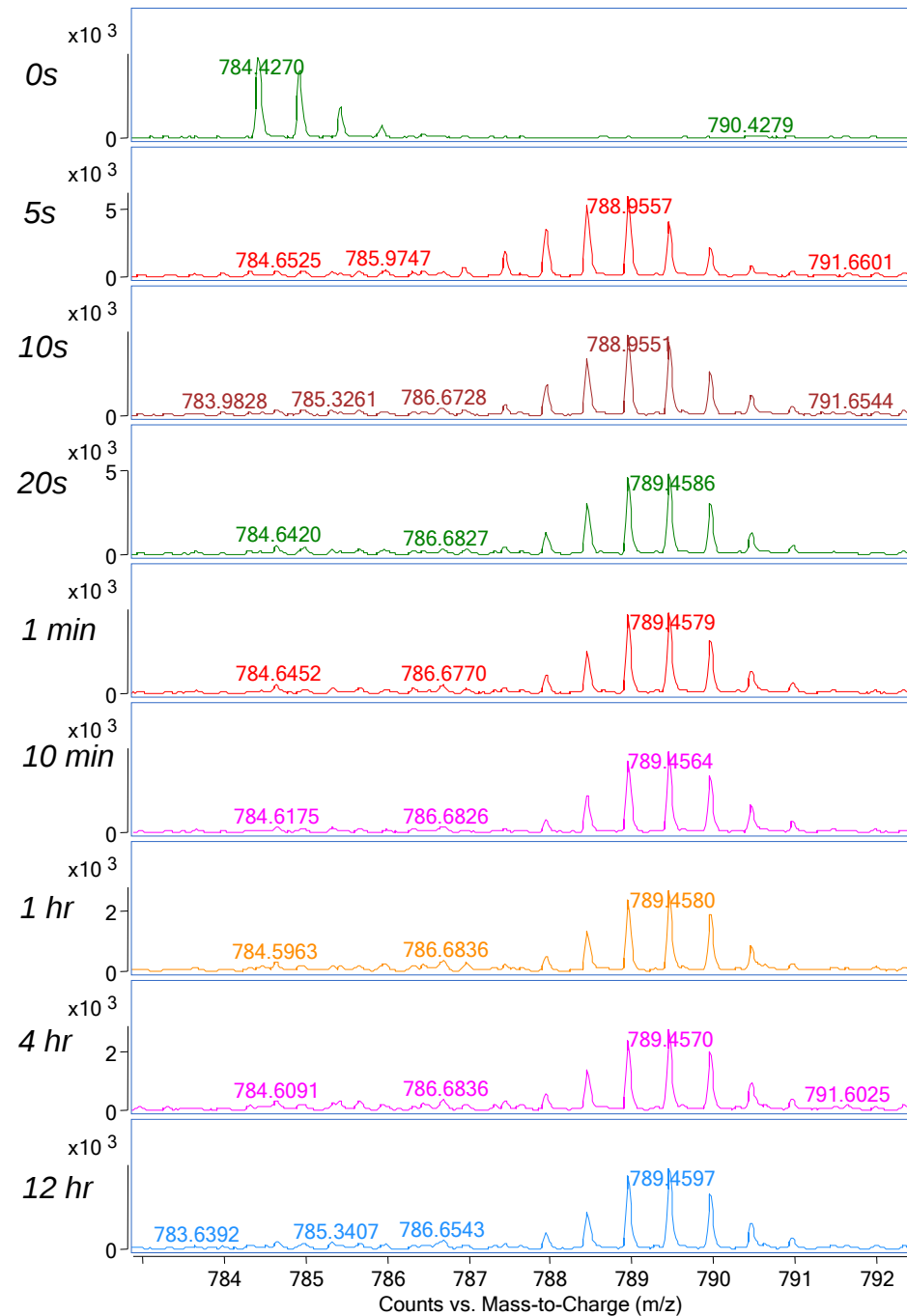
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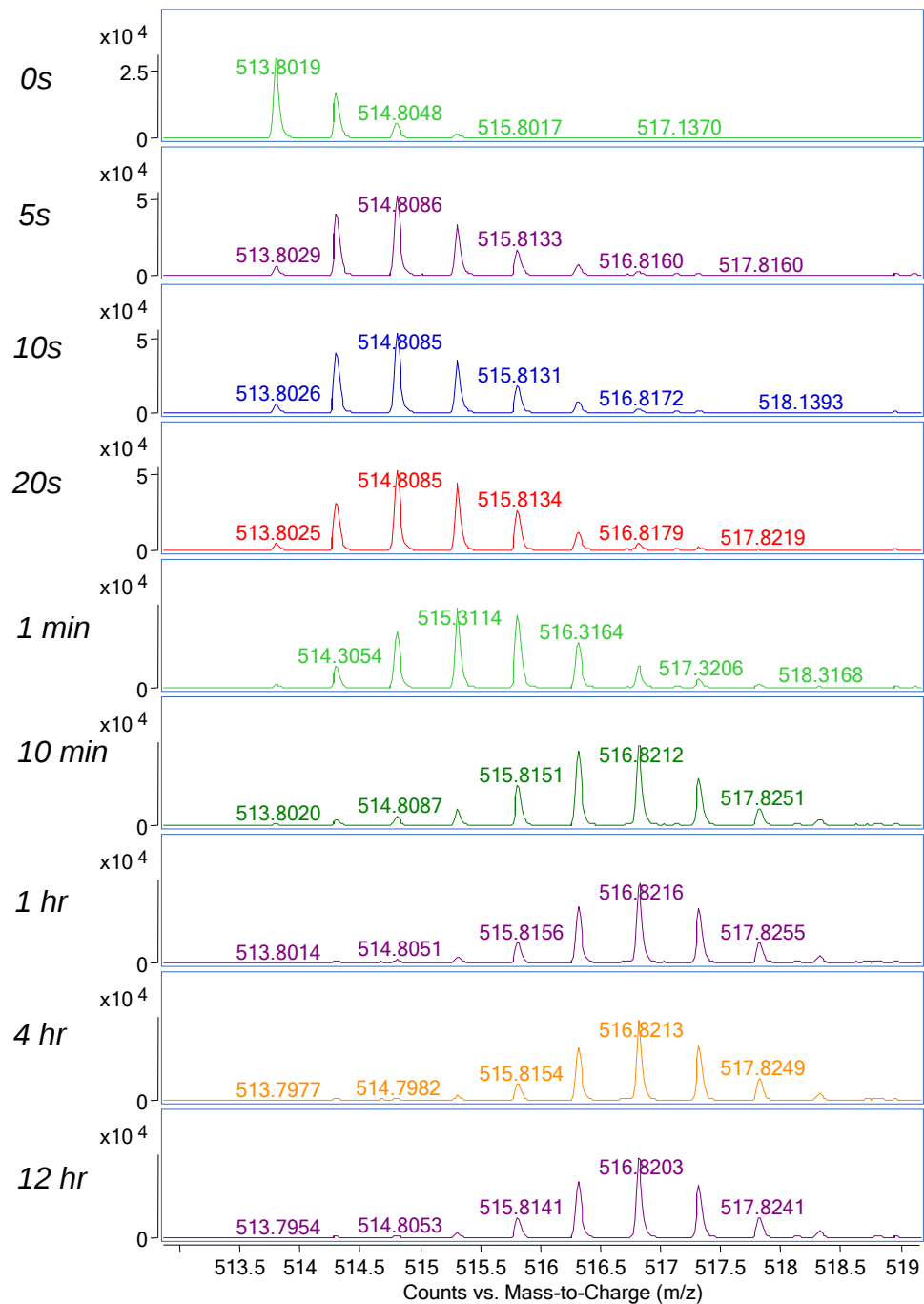
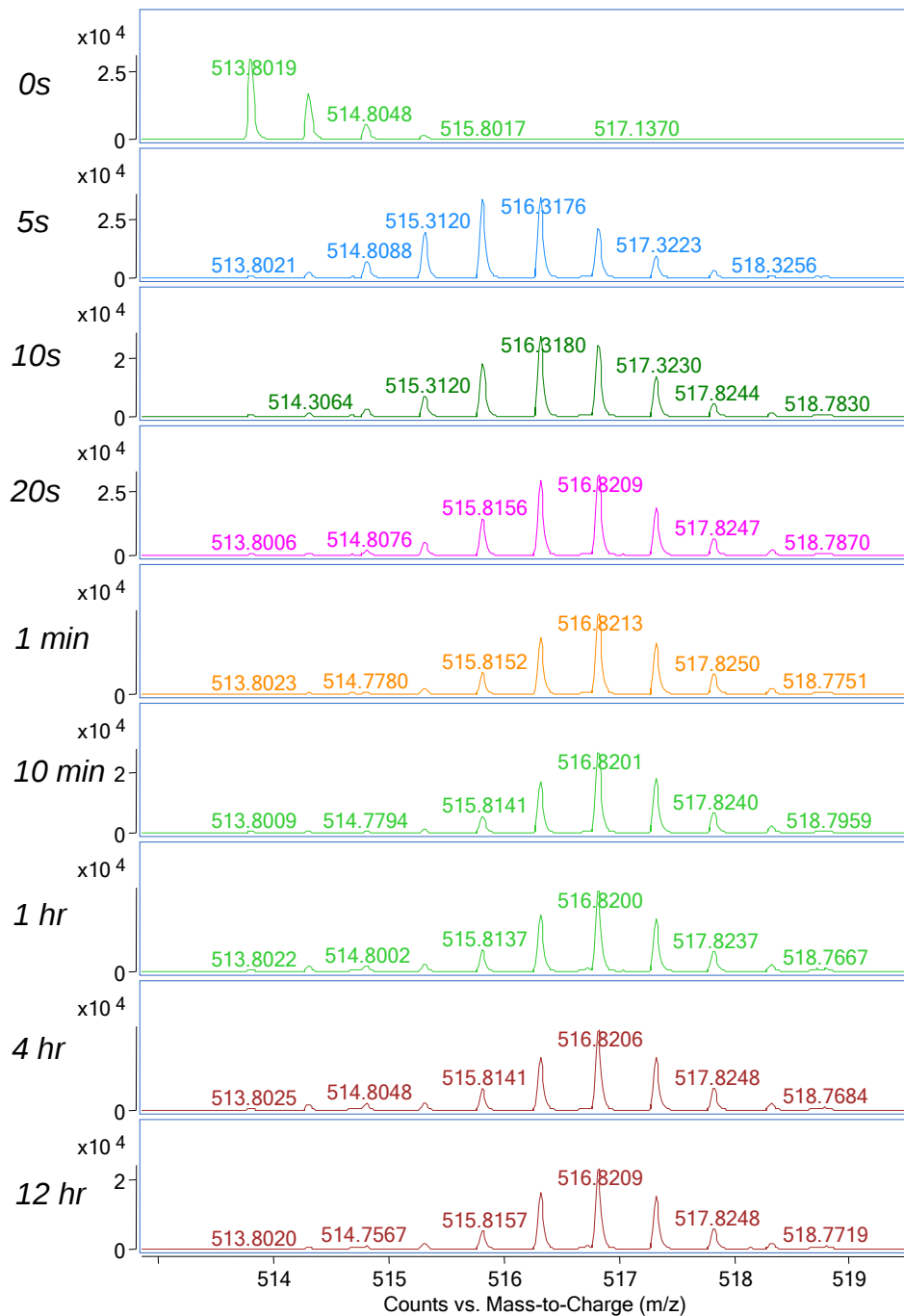
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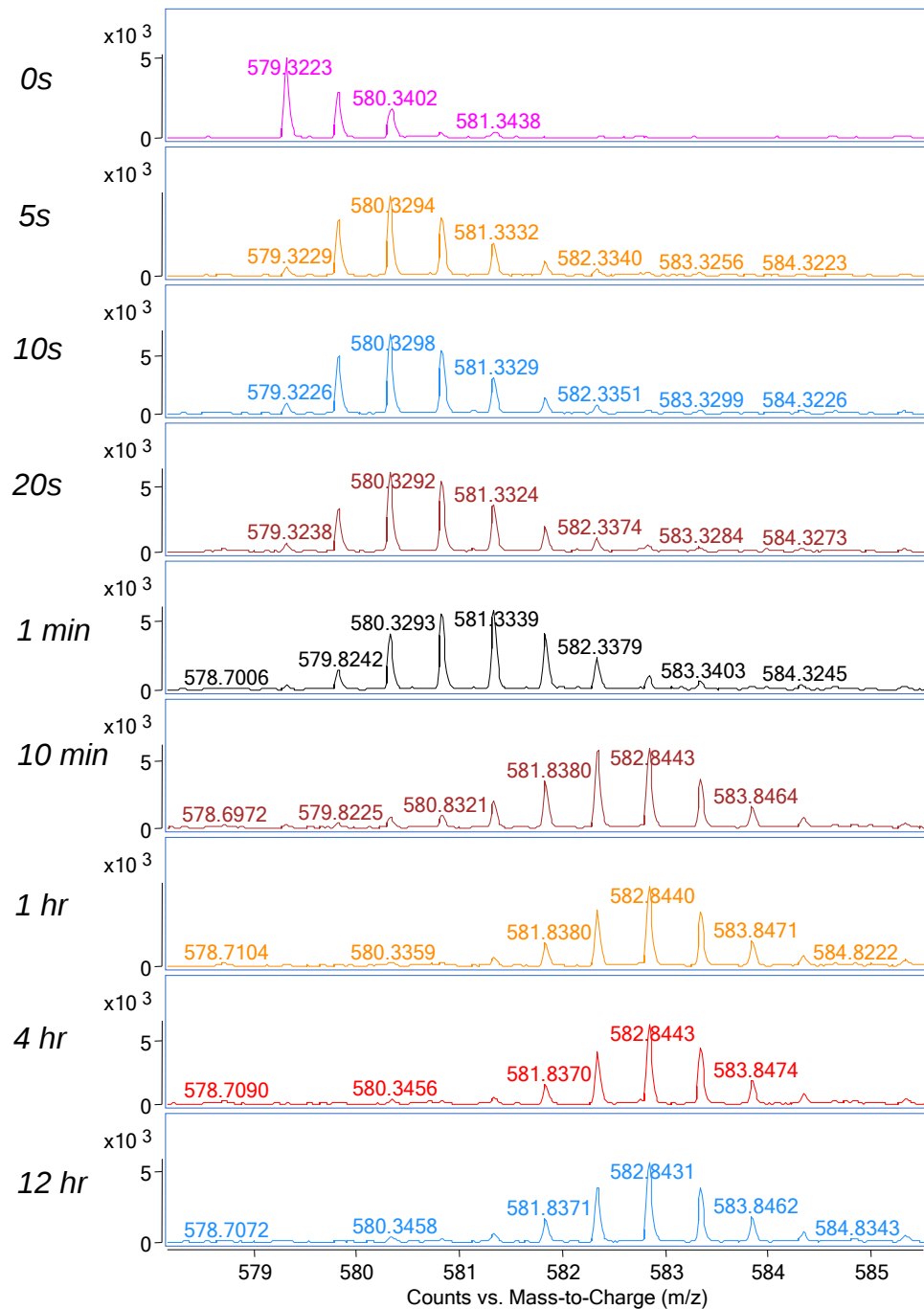
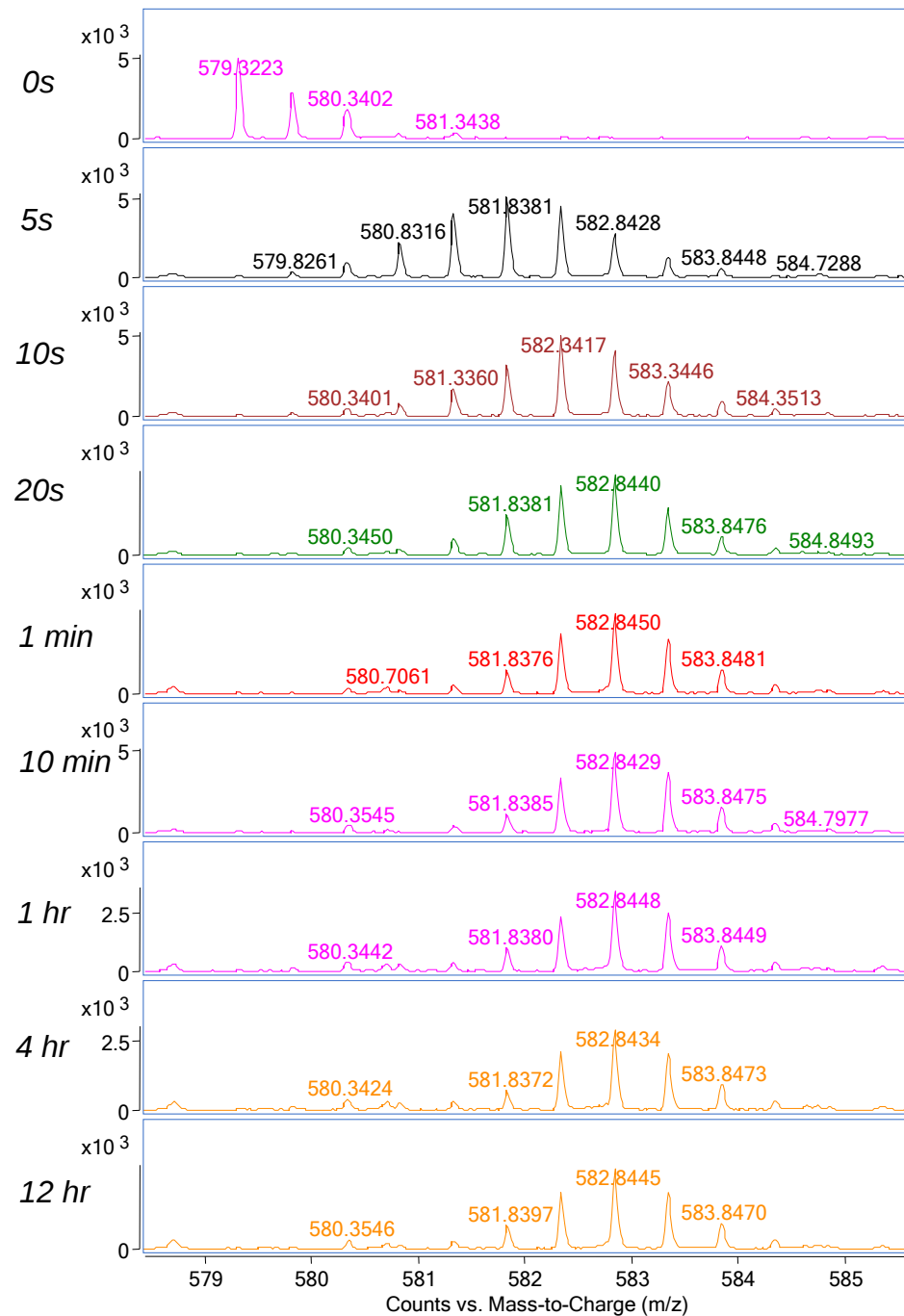
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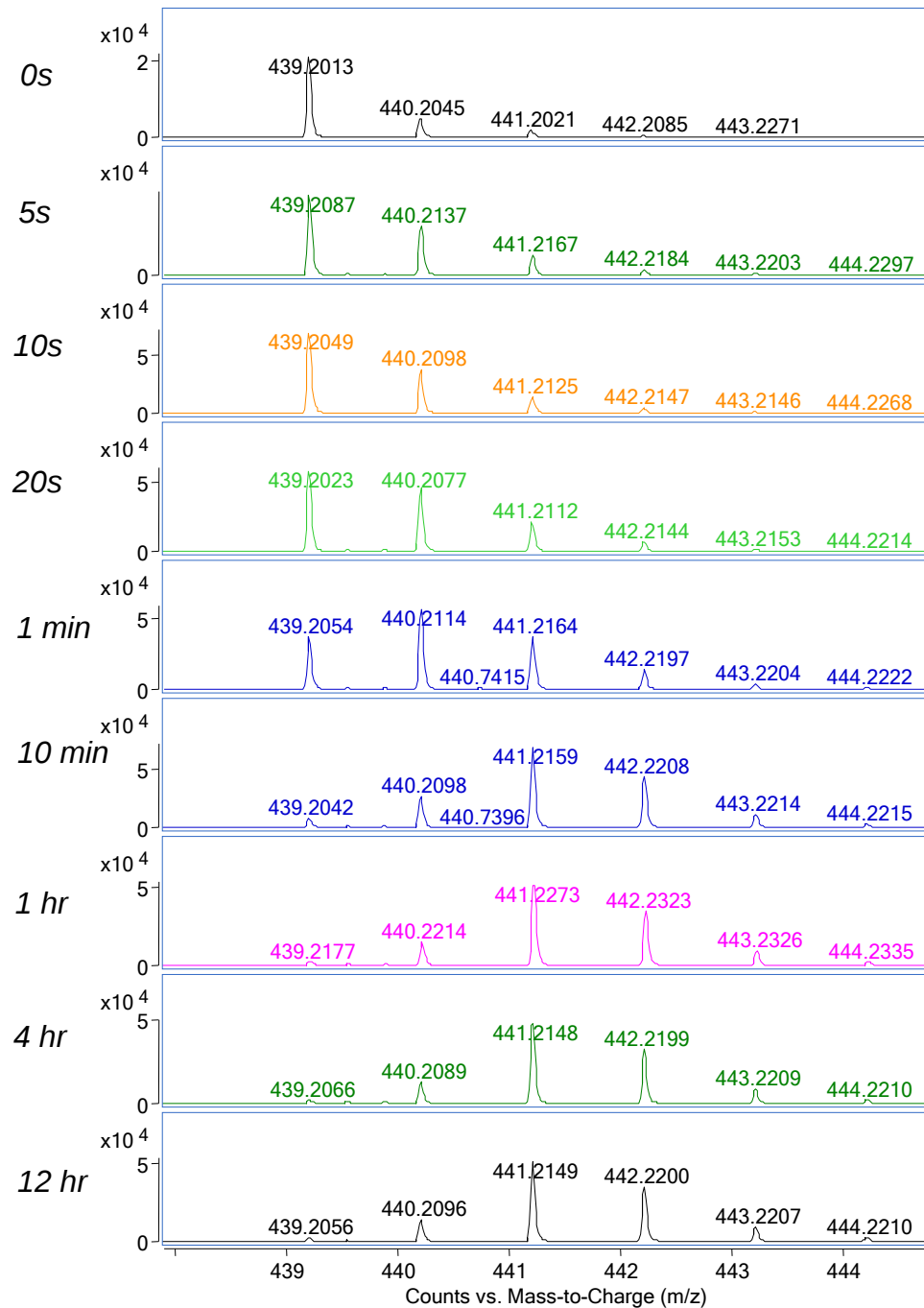
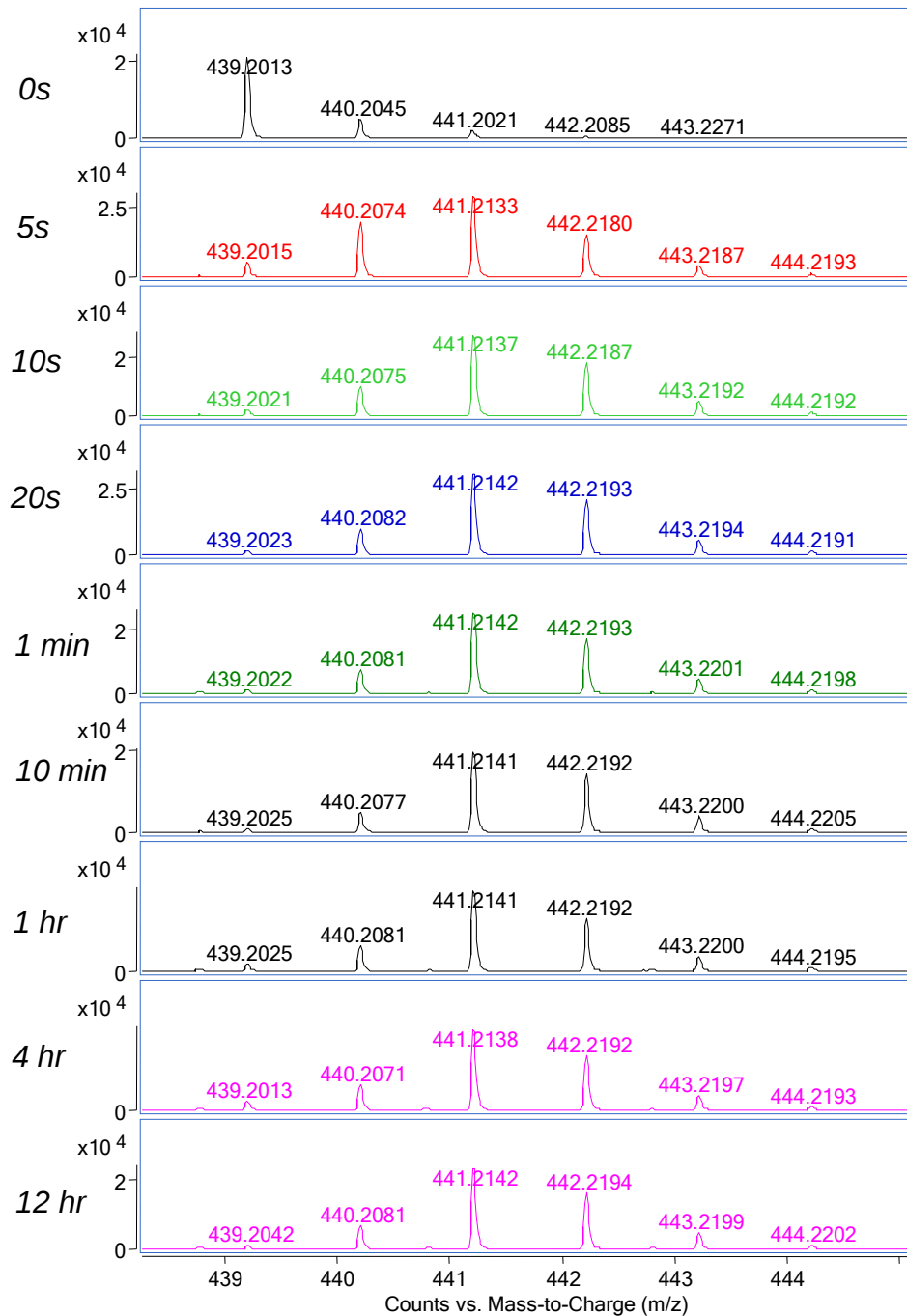
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CBP 40-43

Bound



Free

CBP 43-59

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