

Calibration History Report

Compound: o-desm tramadol (D)

CalibrationLevel 1

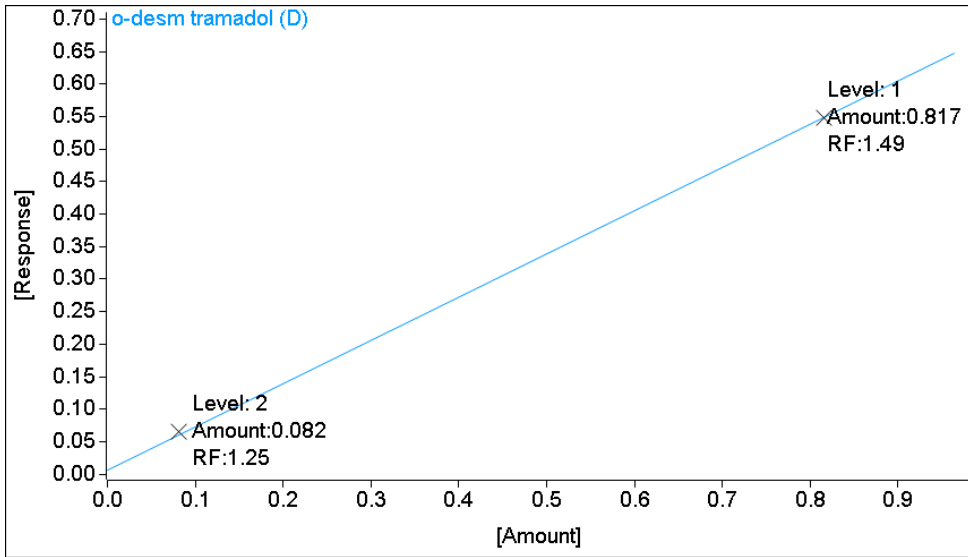
Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L1	0.92	0.547	0.816	1.49211	0.6639	0.005168	0.99983	1FD-0401.D	7/16/2012 1:51:02 PM
Standard L1	0.92	0.5587	0.826	1.47782	0.6768	-0.0001128	1.00000	1FD-1001.D	7/16/2012 1:51:36 PM
Standard L1	0.91	0.5419	0.806	1.48701	0.6702	0.001868	0.99998	1FD-1601.D	7/16/2012 1:52:03 PM
Standard L1	0.90	0.5445	0.811	1.48920	0.6652	0.005102	0.99984	1FD-2201.D	7/16/2012 1:52:35 PM
Average	0.91	0.5480	0.815	1.48653					
RSD %	0.773	1.36	1.05	0.415					

CalibrationLevel 2

Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L2	0.92	0.0551	0.082	1.48929	0.6693	0.0001782	1.00000	1FE-0501.D	7/16/2012 1:51:05 PM
Standard L2	0.92	0.0623	0.09	1.44172	0.6749	0.001687	0.99998	1FE-1101.D	7/16/2012 1:51:39 PM
Standard L2	0.91	0.078	0.109	1.40285	0.6667	0.005044	0.99984	1FE-1701.D	7/16/2012 1:52:06 PM
Standard L2	0.90	0.0652	0.09	1.38541	0.6652	0.005116	0.99984	1FE-2301.D	7/16/2012 1:52:37 PM
Average	0.91	0.06515	0.093	1.42982					
RSD %	0.933	14.7	12.5	3.22					

Calibration History Report

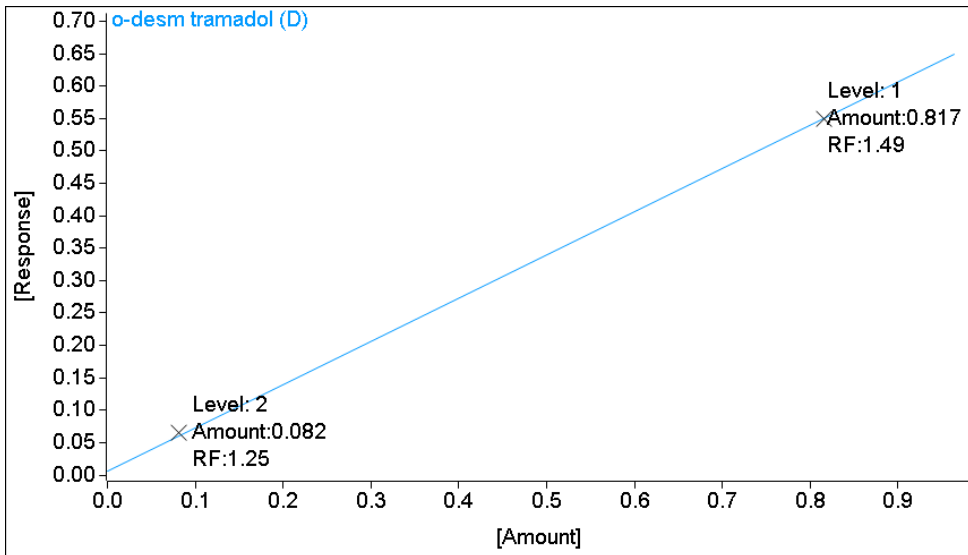
Recalibration time: 7/16/2012 1:52:37 PM



Compound: o-desm tramadol (D)
Signal: DAD1A
Exp. RT: 0.902
Corr. Coeff.: 0.999836
Residual: 0.00767
RF RSD%:
Formula: $y = ax + b$

a: 0.66519
b: 0.00512
c: 0.00000
d: 0.00000

Recalibration time: 7/16/2012 1:52:06 PM

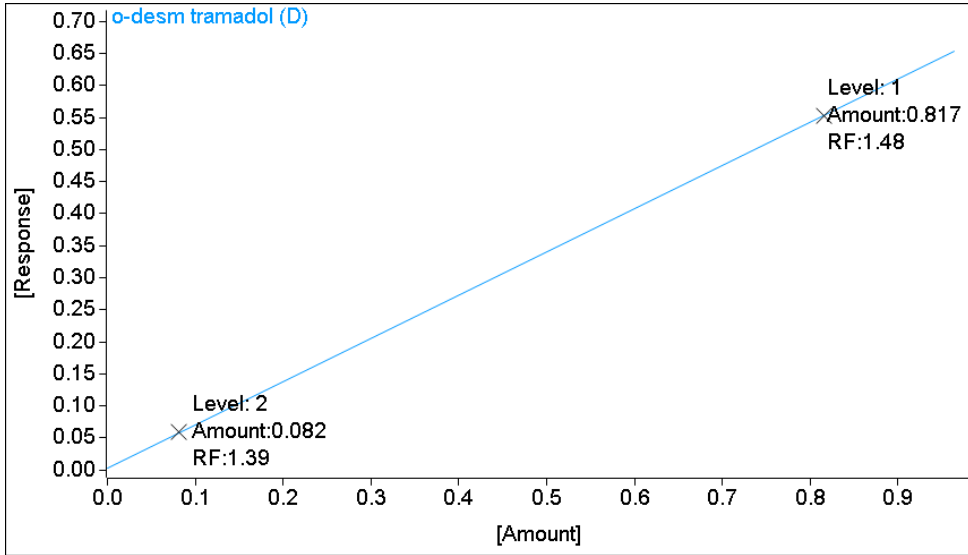


Compound: o-desm tramadol (D)
Signal: DAD1A
Exp. RT: 0.912
Corr. Coeff.: 0.999841
Residual: 0.00756
RF RSD%:
Formula: $y = ax + b$

a: 0.66672
b: 0.00504
c: 0.00000
d: 0.00000

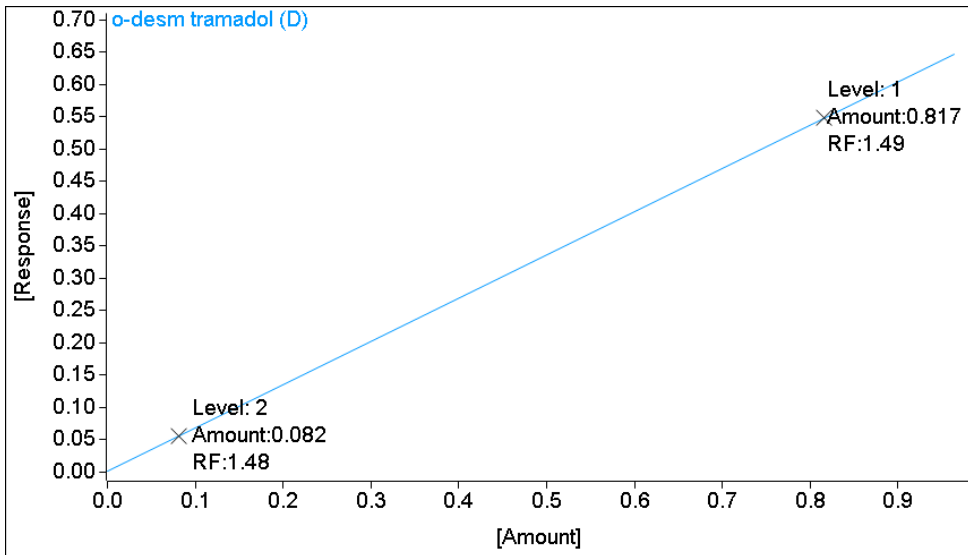
Calibration History Report

Recalibration time: 7/16/2012 1:51:39 PM



Compound: o-desm tramadol (D)
Signal: DAD1A
Exp. RT: 0.918
Corr. Coeff.: 0.999983
Residual: 0.00253
RF RSD%:
Formula: $y = ax + b$
a: 0.67485
b: 0.00169
c: 0.00000
d: 0.00000

Recalibration time: 7/16/2012 1:51:05 PM



Compound: o-desm tramadol (D)
Signal: DAD1A
Exp. RT: 0.919
Corr. Coeff.: 1.000000
Residual: 0.00027
RF RSD%:
Formula: $y = ax + b$
a: 0.66929
b: 0.00018
c: 0.00000
d: 0.00000

Calibration History Report

Compound: trans- tramadol (A)

CalibrationLevel 1

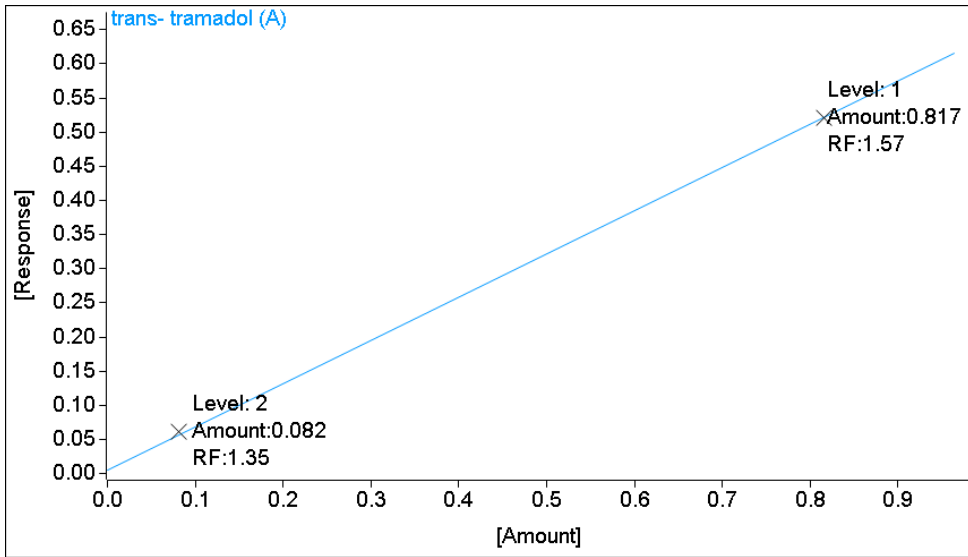
Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L1	1.48	0.4991	0.816	1.63500	0.6052	0.005255	0.99979	1FD-0401.D	7/16/2012 1:51:02 PM
Standard L1	1.48	0.5115	0.826	1.61540	0.6133	0.004743	0.99983	1FD-1001.D	7/16/2012 1:51:36 PM
Standard L1	1.47	0.5517	0.865	1.56777	0.6302	0.006579	0.99970	1FD-1601.D	7/16/2012 1:52:03 PM
Standard L1	1.46	0.5213	0.817	1.56708	0.6331	0.004093	0.99988	1FD-2201.D	7/16/2012 1:52:35 PM
Average	1.47	0.5209	0.831	1.59631					
RSD %	0.573	4.31	2.78	2.15					

CalibrationLevel 2

Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L2	1.48	0.0601	0.091	1.51308	0.6054	0.005048	0.99981	1FE-0501.D	7/16/2012 1:51:05 PM
Standard L2	1.48	0.0706	0.104	1.46778	0.6105	0.007344	0.99960	1FE-1101.D	7/16/2012 1:51:39 PM
Standard L2	1.47	0.0503	0.073	1.45125	0.6329	0.004100	0.99988	1FE-1701.D	7/16/2012 1:52:06 PM
Standard L2	1.46	0.061	0.09	1.47162	0.6330	0.004177	0.99988	1FE-2301.D	7/16/2012 1:52:37 PM
Average	1.47	0.06054	0.089	1.47593					
RSD %	0.526	13.7	14.1	1.78					

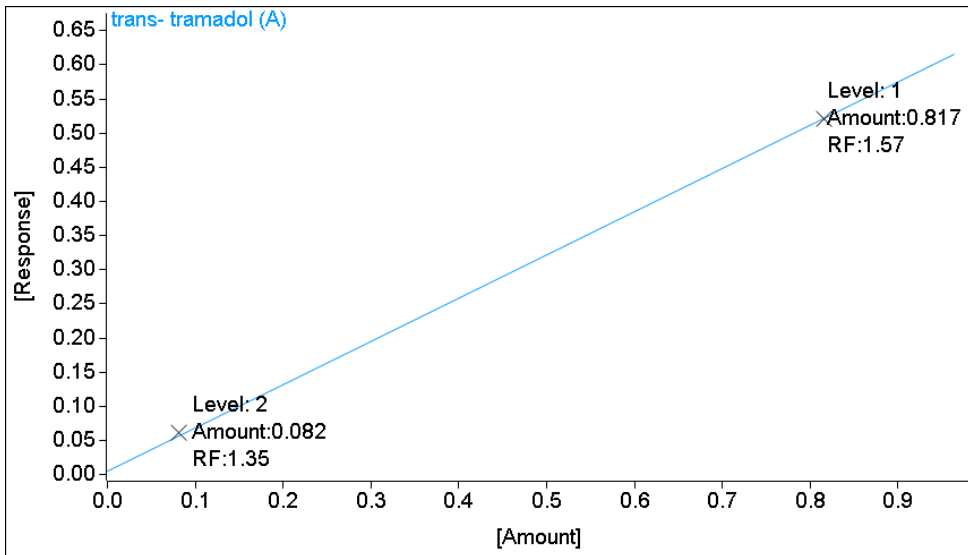
Calibration History Report

Recalibration time: 7/16/2012 1:52:37 PM



Compound: trans- tramadol (A)
Signal: DAD1A
Exp. RT: 1.461
Corr. Coeff.: 0.999879
Residual: 0.00626
RF RSD%:
Formula: $y = ax + b$
a: 0.63303
b: 0.00418
c: 0.00000
d: 0.00000

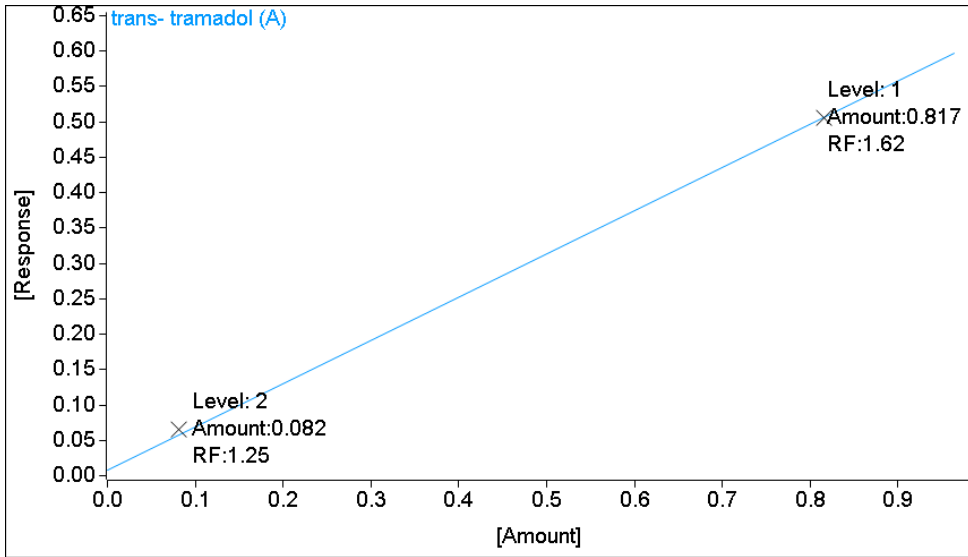
Recalibration time: 7/16/2012 1:52:06 PM



Compound: trans- tramadol (A)
Signal: DAD1A
Exp. RT: 1.472
Corr. Coeff.: 0.999884
Residual: 0.00615
RF RSD%:
Formula: $y = ax + b$
a: 0.63294
b: 0.00410
c: 0.00000
d: 0.00000

Calibration History Report

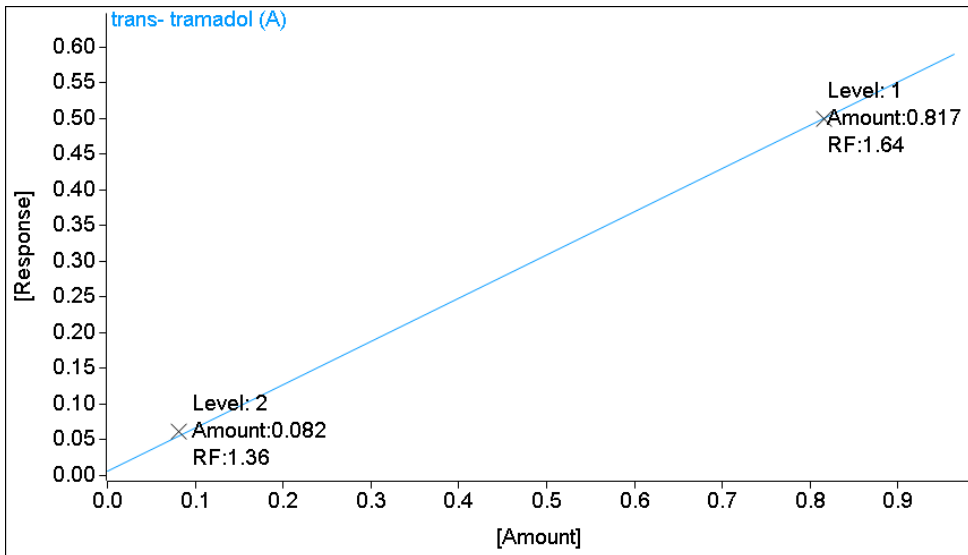
Recalibration time: 7/16/2012 1:51:39 PM



Compound: trans- tramadol (A)
Signal: DAD1A
Exp. RT: 1.475
Corr. Coeff.: 0.999599
Residual: 0.01101
RF RSD%:
Formula: $y = ax + b$

a: 0.61047
b: 0.00734
c: 0.00000
d: 0.00000

Recalibration time: 7/16/2012 1:51:05 PM



Compound: trans- tramadol (A)
Signal: DAD1A
Exp. RT: 1.479
Corr. Coeff.: 0.999807
Residual: 0.00757
RF RSD%:
Formula: $y = ax + b$

a: 0.60541
b: 0.00505
c: 0.00000
d: 0.00000

Calibration History Report

Compound: des-hyd cis tramadol (C)

CalibrationLevel 1

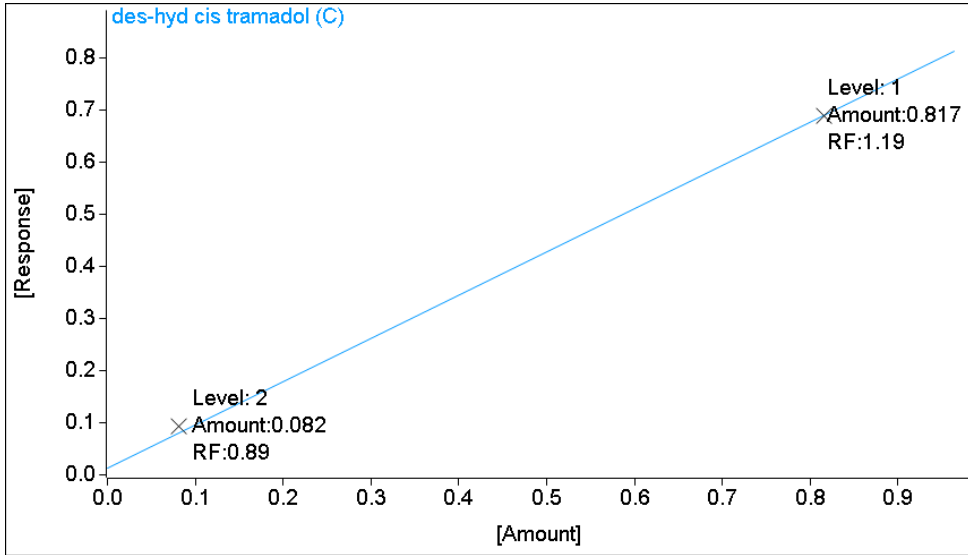
Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L1	2.56	0.6776	0.815	1.20334	0.8166	0.01178	0.99942	1FD-0401.D	7/16/2012 1:51:02 PM
Standard L1	2.56	0.6856	0.822	1.19833	0.8324	0.001710	0.99999	1FD-1001.D	7/16/2012 1:51:36 PM
Standard L1	2.56	0.6959	0.828	1.18978	0.8365	0.003275	0.99996	1FD-1601.D	7/16/2012 1:52:03 PM
Standard L1	2.55	0.6904	0.82	1.18749	0.8350	0.005859	0.99986	1FD-2201.D	7/16/2012 1:52:35 PM
Average	2.56	0.6874	0.821	1.19473					
RSD %	0.285	1.13	0.633	0.619					

CalibrationLevel 2

Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L2	2.56	0.0716	0.084	1.17654	0.8273	0.001907	0.99999	1FE-0501.D	7/16/2012 1:51:05 PM
Standard L2	2.56	0.0789	0.091	1.15059	0.8305	0.003510	0.99995	1FE-1101.D	7/16/2012 1:51:39 PM
Standard L2	2.56	0.0912	0.102	1.12183	0.8337	0.005909	0.99986	1FE-1701.D	7/16/2012 1:52:06 PM
Standard L2	2.55	0.1246	0.137	1.09681	0.8290	0.01130	0.99948	1FE-2301.D	7/16/2012 1:52:37 PM
Average	2.56	0.09159	0.104	1.13644					
RSD %	0.265	25.6	22.5	3.04					

Calibration History Report

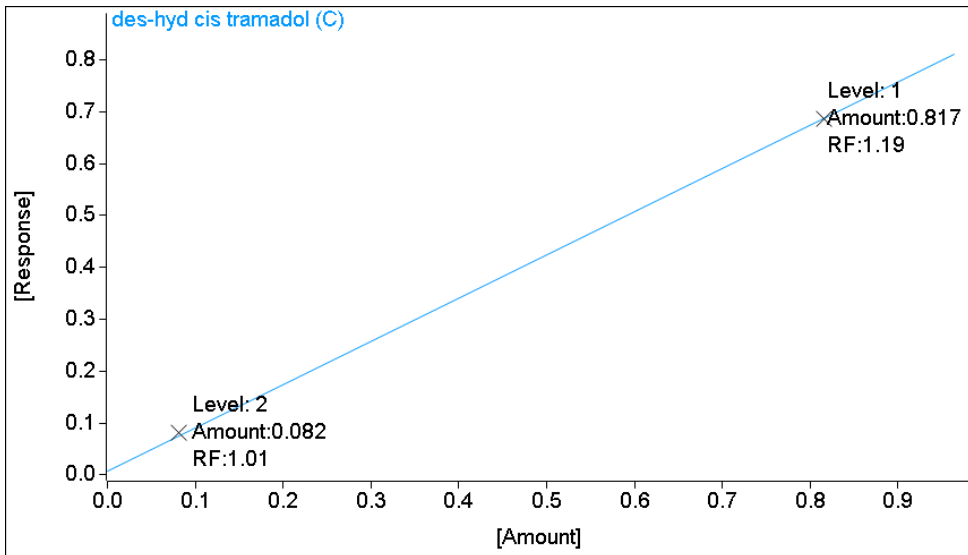
Recalibration time: 7/16/2012 1:52:37 PM



Compound: des-hyd cis tramadol (C)
Signal: DAD1A
Exp. RT: 2.548
Corr. Coeff.: 0.999485
Residual: 0.01694
RF RSD%:
Formula: $y = ax + b$

a: 0.82905
b: 0.01130
c: 0.00000
d: 0.00000

Recalibration time: 7/16/2012 1:52:06 PM

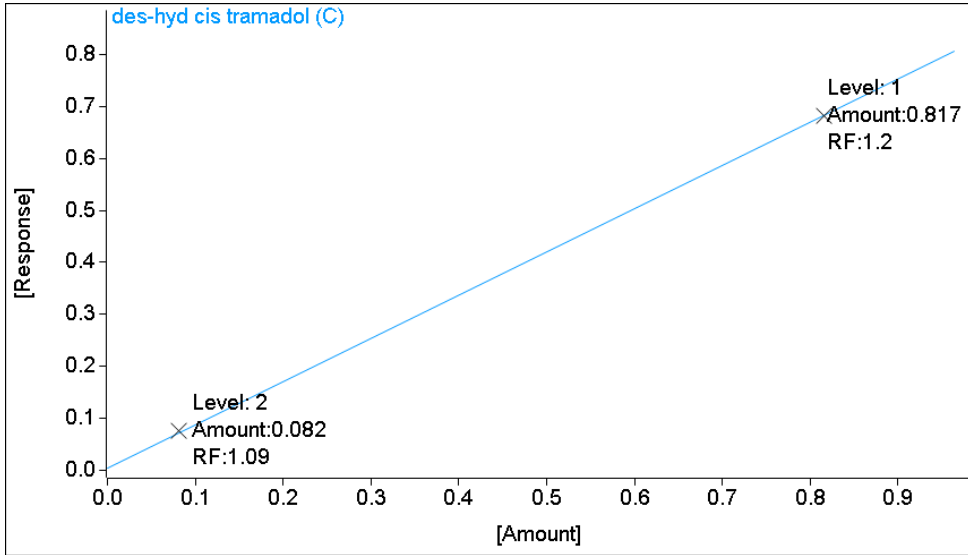


Compound: des-hyd cis tramadol (C)
Signal: DAD1A
Exp. RT: 2.556
Corr. Coeff.: 0.999861
Residual: 0.00886
RF RSD%:
Formula: $y = ax + b$

a: 0.83367
b: 0.00591
c: 0.00000
d: 0.00000

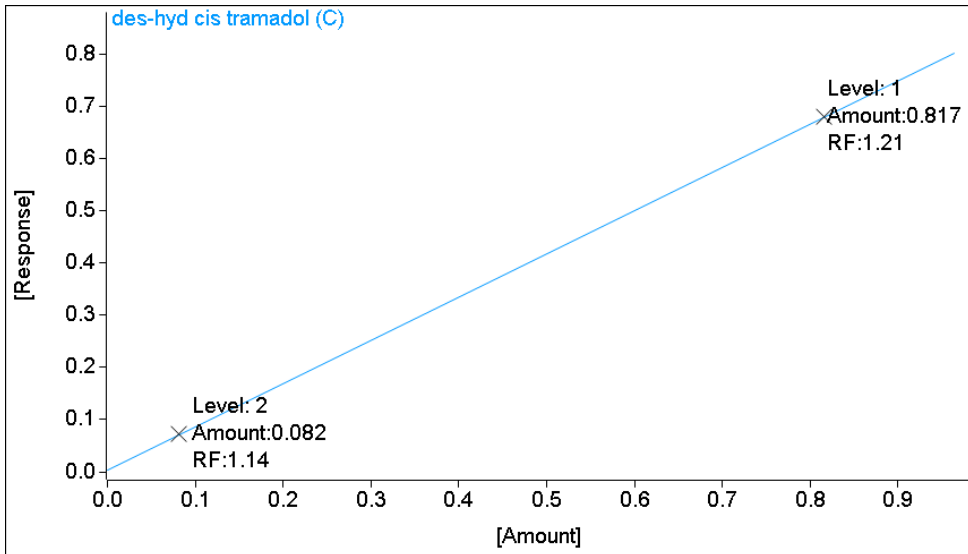
Calibration History Report

Recalibration time: 7/16/2012 1:51:39 PM



Compound: des-hyd cis tramadol (C)
Signal: DAD1A
Exp. RT: 2.561
Corr. Coeff.: 0.999950
Residual: 0.00526
RF RSD%:
Formula: $y = ax + b$
a: 0.83046
b: 0.00351
c: 0.00000
d: 0.00000

Recalibration time: 7/16/2012 1:51:05 PM



Compound: des-hyd cis tramadol (C)
Signal: DAD1A
Exp. RT: 2.563
Corr. Coeff.: 0.999985
Residual: 0.00286
RF RSD%:
Formula: $y = ax + b$
a: 0.82732
b: 0.00191
c: 0.00000
d: 0.00000

Calibration History Report

Compound: des-hyd trans tramadol (B)

CalibrationLevel 1

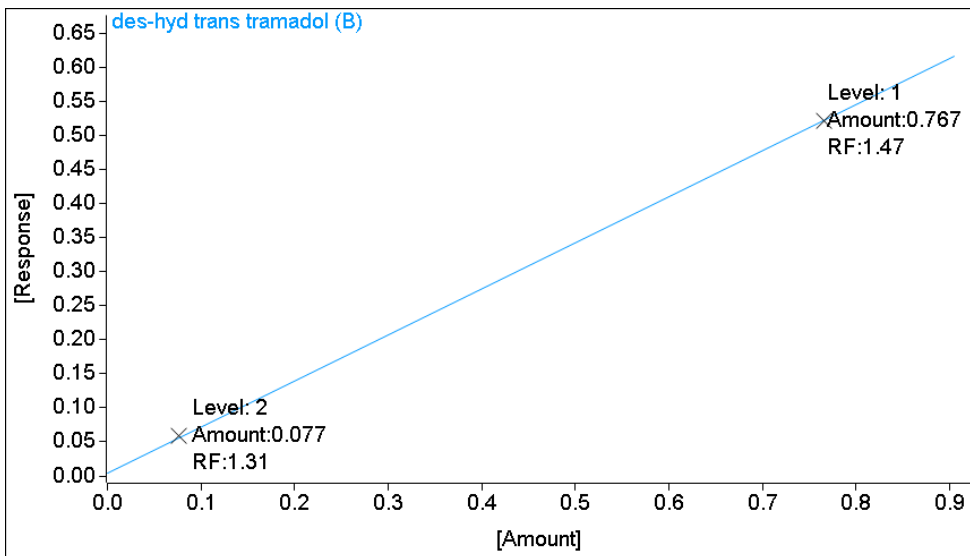
Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L1	2.69	0.526	0.767	1.45724	0.6824	0.002915	0.99994	1FD-0401.D	7/16/2012 1:51:02 PM
Standard L1	2.69	0.5239	0.764	1.45834	0.6745	0.008547	0.99949	1FD-1001.D	7/16/2012 1:51:36 PM
Standard L1	2.68	0.5074	0.749	1.47604	0.6723	0.003890	0.99989	1FD-1601.D	7/16/2012 1:52:03 PM
Standard L1	2.67	0.5316	0.78	1.46770	0.6766	0.003735	0.99990	1FD-2201.D	7/16/2012 1:52:35 PM
Average	2.68	0.5222	0.765	1.46483					
RSD %	0.268	1.99	1.68	0.602					

CalibrationLevel 2

Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L2	2.69	0.0698	0.091	1.29928	0.6760	0.008495	0.99950	1FE-0501.D	7/16/2012 1:51:05 PM
Standard L2	2.69	0.0498	0.068	1.36369	0.6803	0.003601	0.99991	1FE-1101.D	7/16/2012 1:51:39 PM
Standard L2	2.67	0.0559	0.078	1.39461	0.6773	0.003102	0.99993	1FE-2301.D	7/16/2012 1:52:37 PM
Average	2.68	0.05850	0.079	1.35253					
RSD %	0.313	17.5	14.5	3.60					

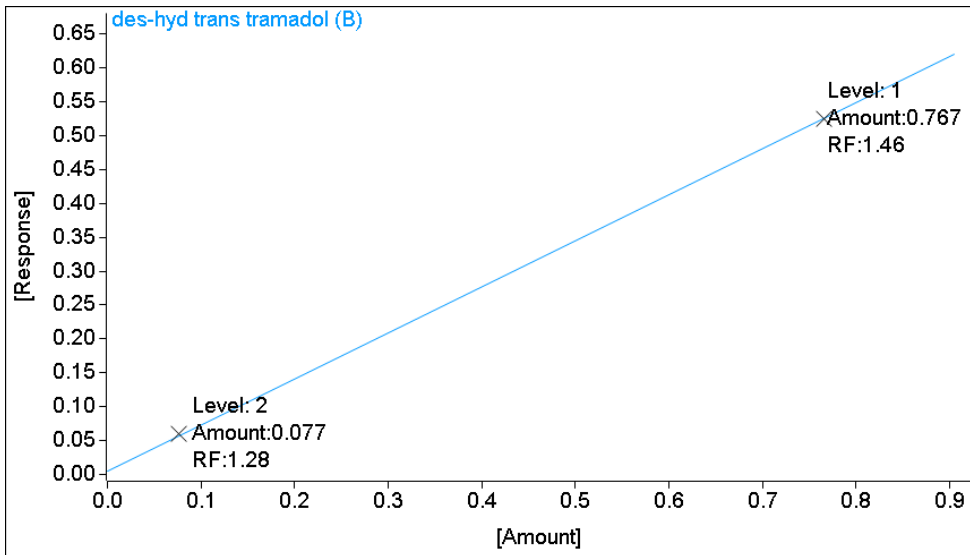
Calibration History Report

Recalibration time: 7/16/2012 1:52:37 PM



Compound: des-hyd trans tramadol (B)
Signal: DAD1A
Exp. RT: 2.674
Corr. Coeff.: 0.999934
Residual: -1.00000
RF RSD%:
Formula: $y = ax + b$
a: 0.67728
b: 0.00310
c: 0.00000
d: 0.00000

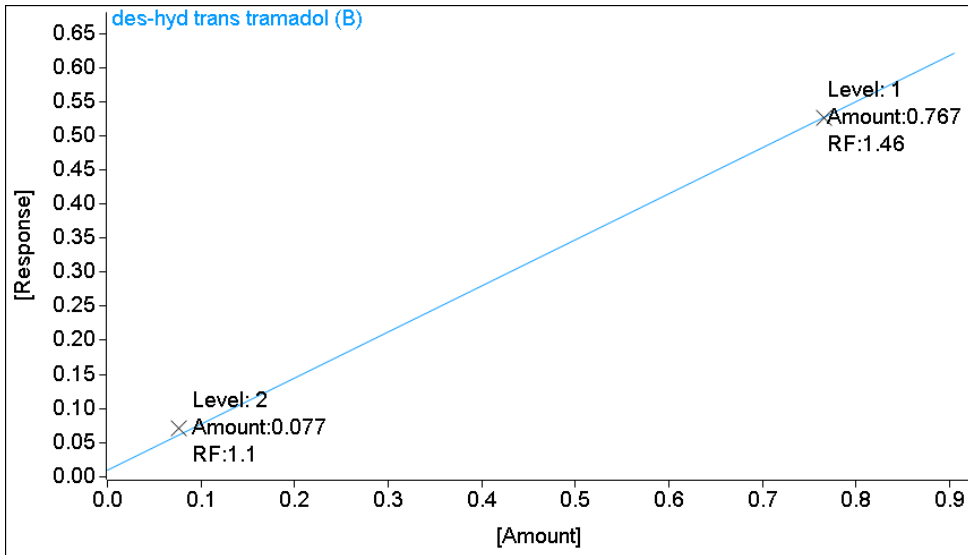
Recalibration time: 7/16/2012 1:51:39 PM



Compound: des-hyd trans tramadol (B)
Signal: DAD1A
Exp. RT: 2.686
Corr. Coeff.: 0.999912
Residual: -1.00000
RF RSD%:
Formula: $y = ax + b$
a: 0.68026
b: 0.00360
c: 0.00000
d: 0.00000

Calibration History Report

Recalibration time: 7/16/2012 1:51:05 PM



Compound: des-hyd trans tramadol (B)
Signal: DAD1A
Exp. RT: 2.689
Corr. Coeff.: 0.999503
Residual: -1.00000
RF RSD%:
Formula: $y = ax + b$

a:	0.67596
b:	0.00849
c:	0.00000
d:	0.00000

Recalibration time: 1:00:00 AM

No calibration curve available!

Compound: des-hyd trans tramadol (B)
Signal: DAD1A
Exp. RT: 2.681
Corr. Coeff.:
Residual:
RF RSD%:
Formula:

a:	
b:	
c:	
d:	

Calibration History Report

Compound: TRAMADOL

CalibrationLevel 1

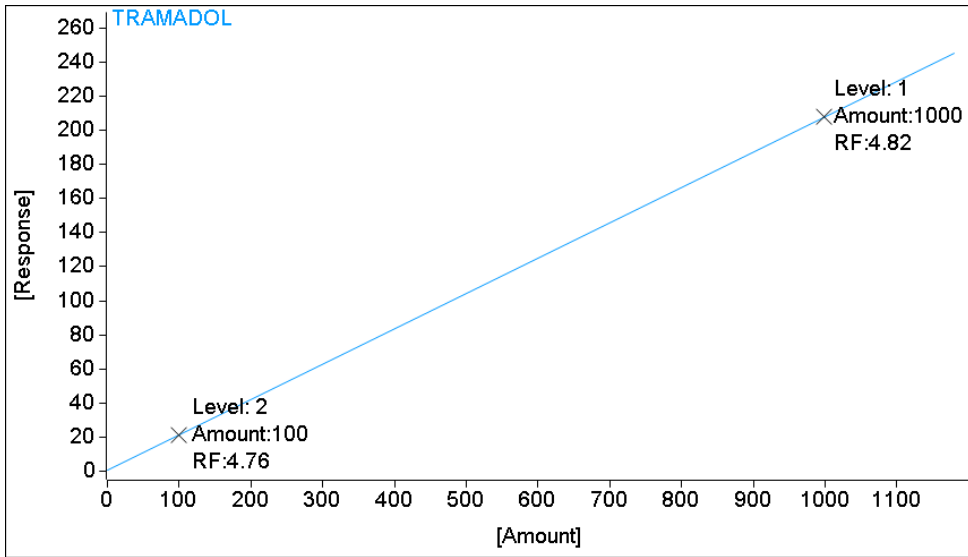
Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L1	1.62	206.9672	999.923	4.83131	0.2068	0.1434	1.00000	1FD-0401.D	7/16/2012 1:51:02 PM
Standard L1	1.62	208.4108	1003.424	4.81465	0.2076	0.09794	1.00000	1FD-1001.D	7/16/2012 1:51:36 PM
Standard L1	1.61	207.2586	998.555	4.81792	0.2074	0.1153	1.00000	1FD-1601.D	7/16/2012 1:52:03 PM
Standard L1	1.60	207.5603	999.992	4.81784	0.2074	0.1143	1.00000	1FD-2201.D	7/16/2012 1:52:35 PM
Average	1.61	207.5	1000.474	4.82043					
RSD %	0.639	0.300	0.207	0.154					

CalibrationLevel 2

Sample	RT	Area	Amount	RF	a coeff	b coeff	r square	Data file	Recalib time
Standard L2	1.66	20.9669	100.718	4.80365	0.2068	0.1336	1.00000	1FE-0501.D	7/16/2012 1:51:05 PM
Standard L2	1.66	21.0086	100.68	4.79231	0.2076	0.1082	1.00000	1FE-1101.D	7/16/2012 1:51:39 PM
Standard L2	1.65	20.9824	100.596	4.79429	0.2074	0.1144	1.00000	1FE-1701.D	7/16/2012 1:52:06 PM
Standard L2	1.64	20.9886	100.623	4.79418	0.2074	0.1146	1.00000	1FE-2301.D	7/16/2012 1:52:37 PM
Average	1.65	20.99	100.654	4.79611					
RSD %	0.532	0.0821	0.0546	0.107					

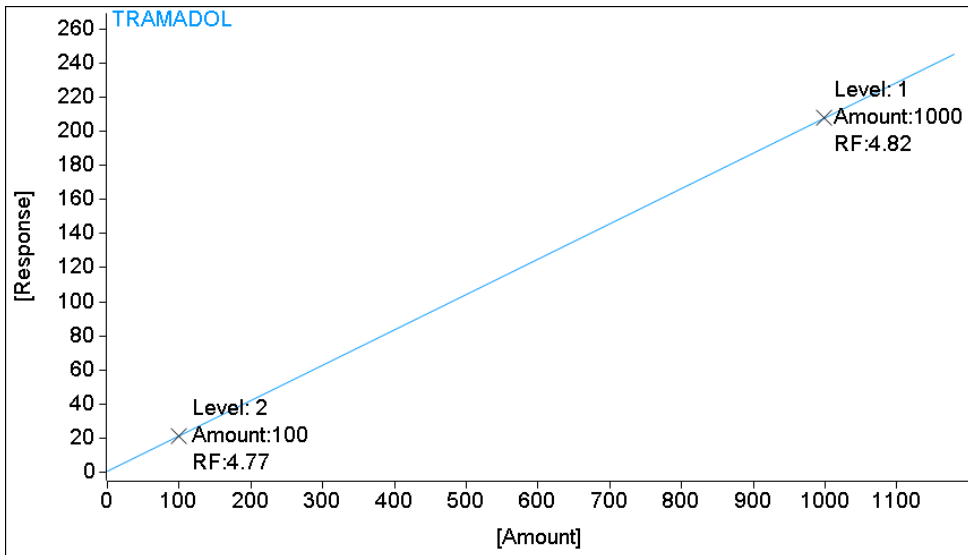
Calibration History Report

Recalibration time: 7/16/2012 1:52:37 PM



Compound: TRAMADOL
Signal: DAD1B
Exp. RT: 1.634
Corr. Coeff.: 0.999999
Residual: 0.17175
RF RSD%:
Formula: $y = ax + b$
a: 0.20745
b: 0.11458
c: 0.00000
d: 0.00000

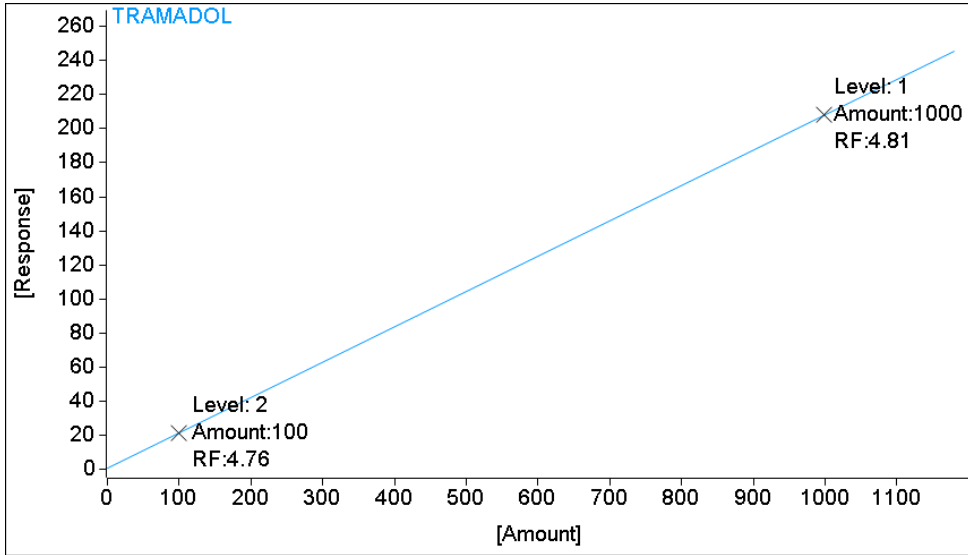
Recalibration time: 7/16/2012 1:52:06 PM



Compound: TRAMADOL
Signal: DAD1B
Exp. RT: 1.644
Corr. Coeff.: 0.999999
Residual: 0.17154
RF RSD%:
Formula: $y = ax + b$
a: 0.20744
b: 0.11444
c: 0.00000
d: 0.00000

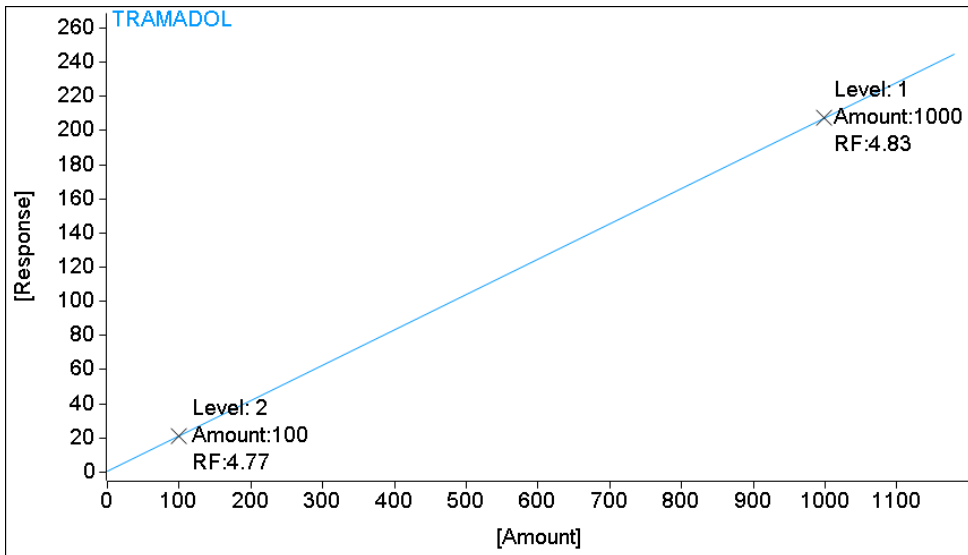
Calibration History Report

Recalibration time: 7/16/2012 1:51:39 PM



Compound: TRAMADOL
Signal: DAD1B
Exp. RT: 1.651
Corr. Coeff.: 0.999999
Residual: 0.16223
RF RSD%:
Formula: $y = ax + b$
a: 0.20759
b: 0.10823
c: 0.00000
d: 0.00000

Recalibration time: 7/16/2012 1:51:05 PM



Compound: TRAMADOL
Signal: DAD1B
Exp. RT: 1.663
Corr. Coeff.: 0.999999
Residual: 0.20031
RF RSD%:
Formula: $y = ax + b$
a: 0.20685
b: 0.13363
c: 0.00000
d: 0.00000