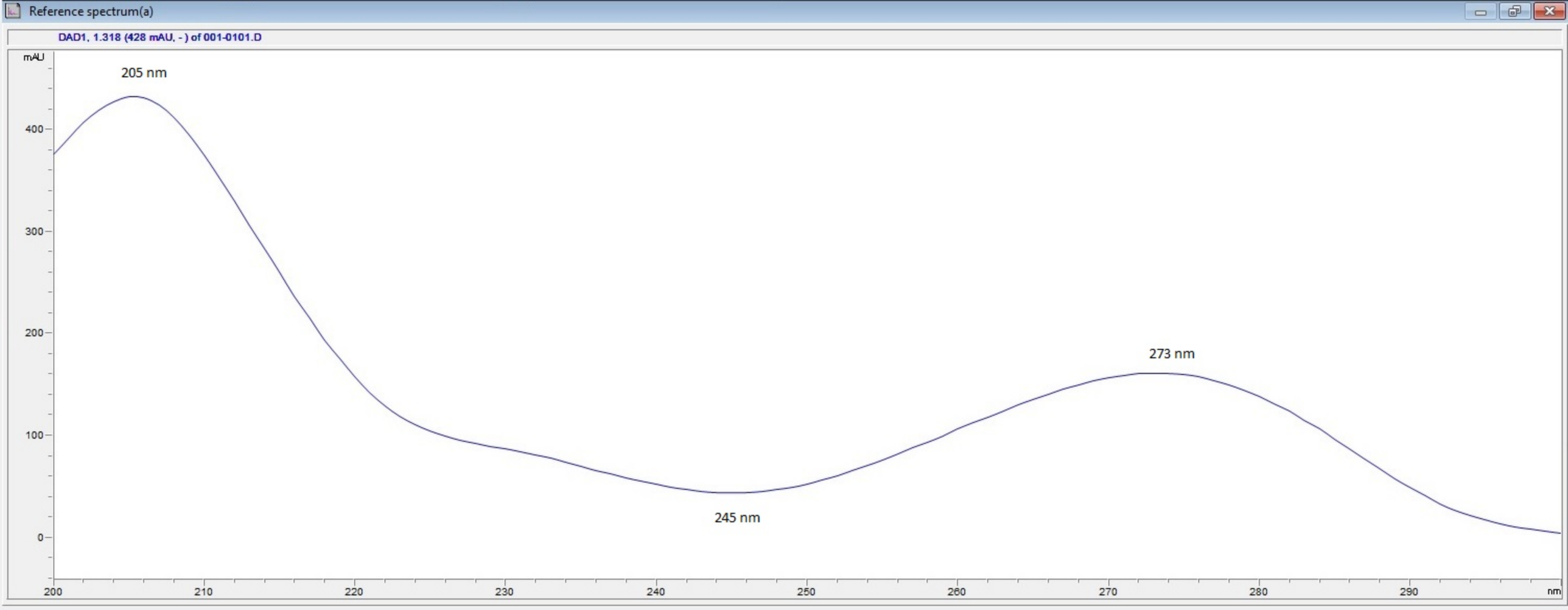
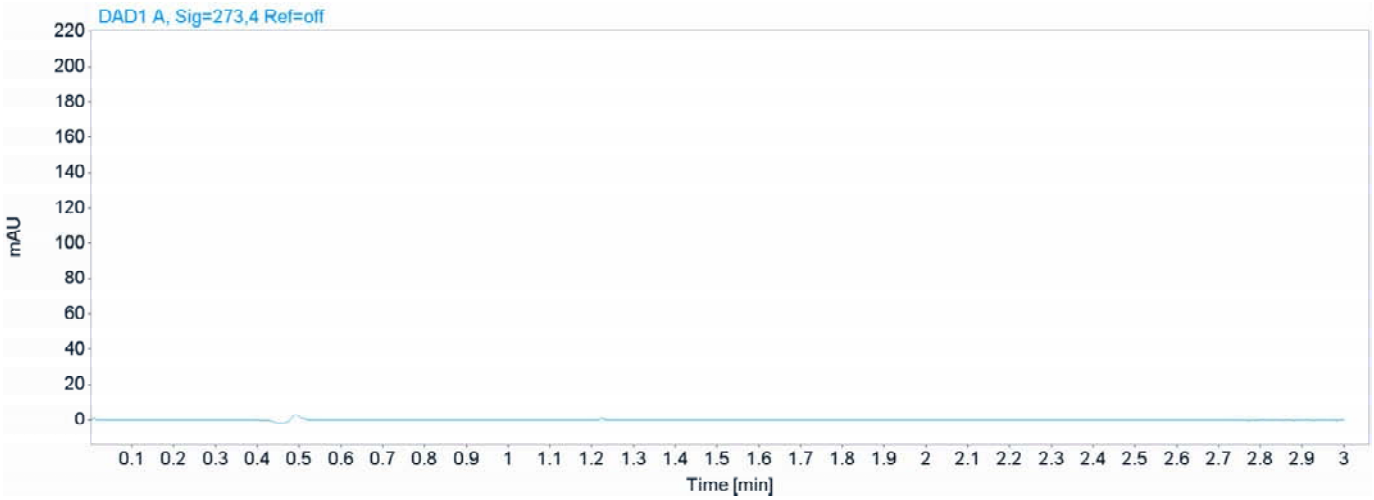

Reference spectrum(a)
DAD1, 1.318 (428 mAU, -) of 001-0101.D
mAU
205 nm
273 nm
245 nm
400
300
200
100
0
200
210
220
230
240
250
260
270
280
290
nm

Relatório de Análise

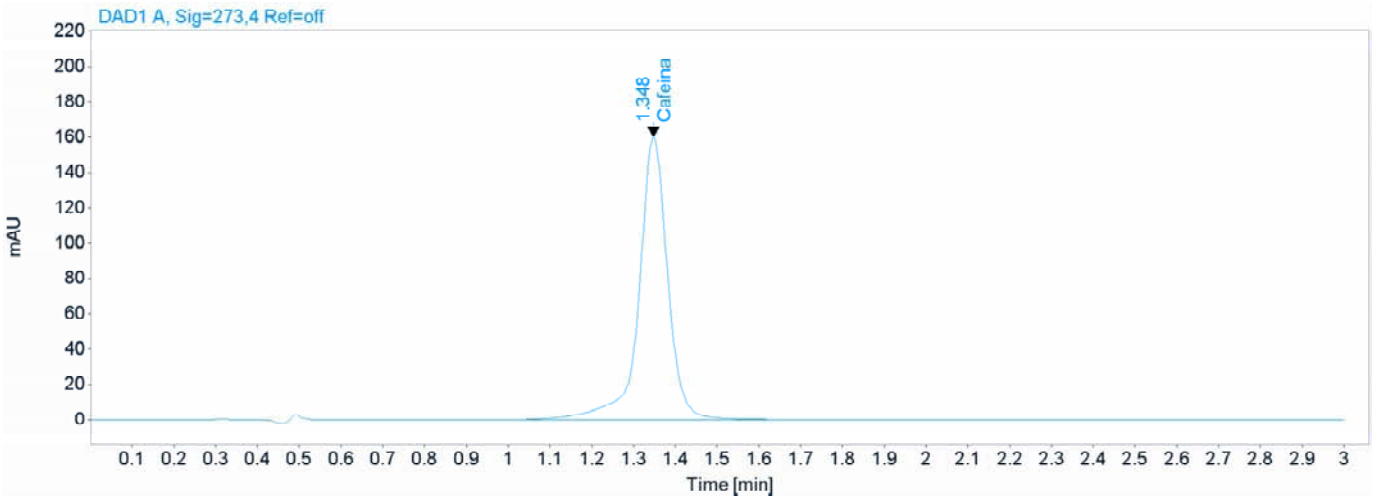
Data file:	C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\001-0101.D
Sample name:	Branco 1
Injection date:	3/6/2025 11:48:12 AM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 12:26:50 PM



Name	RT	Area	Height

Relatório de Análise

Data file:	C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\002-0201.D
Sample name:	PCIN 1
Injection date:	3/6/2025 11:52:08 AM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 12:26:50 PM

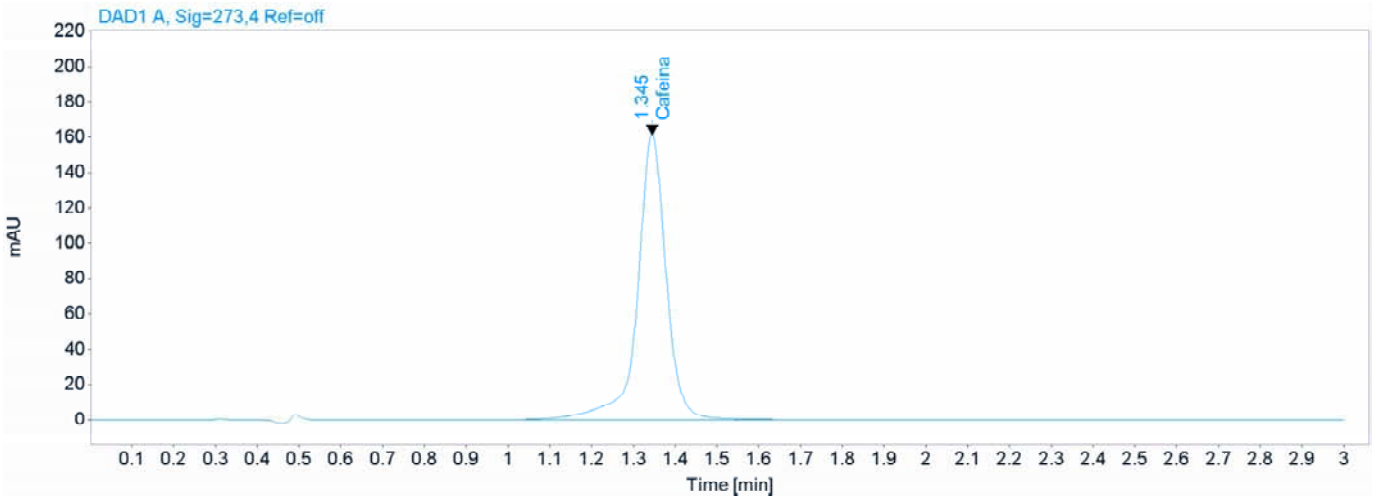


Name	RT	Area	Height
Cafeina	1.348	773.8433	159.9851

Relatório de Análise

Data file: C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\002-0301.D

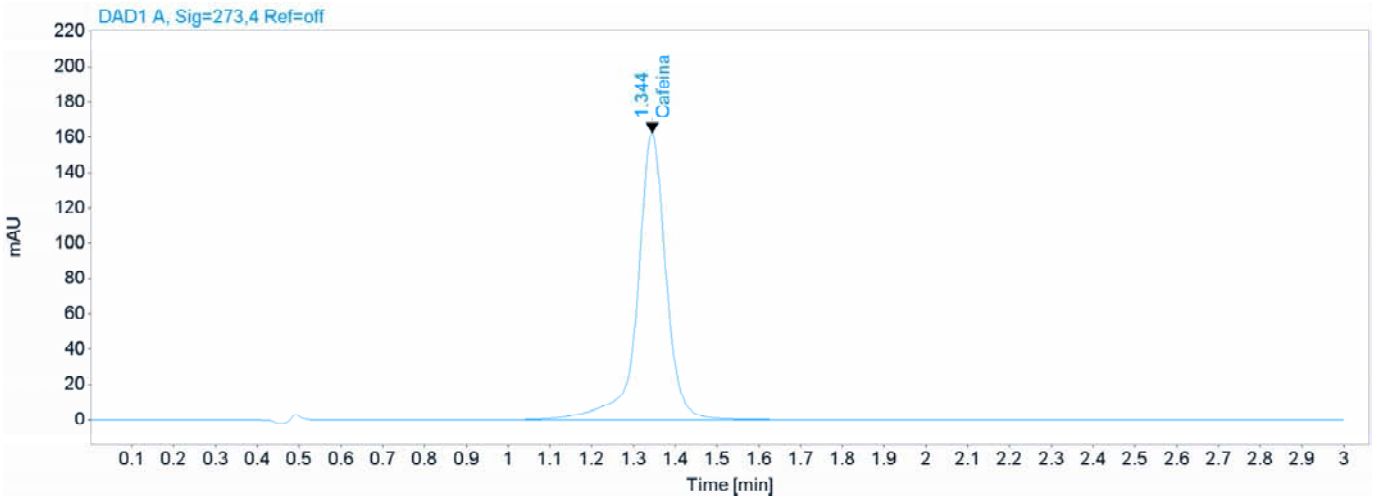
Sample name: PCIN 2
Injection date: 3/6/2025 11:56:03 AM
Acq. method: QUALIFICAÇÃO.M
Injection volume: 10.000
Last changed: 3/6/2025 12:26:50 PM



Name	RT	Area	Height
Cafeina	1.345	773.5750	161.1885

Relatório de Análise

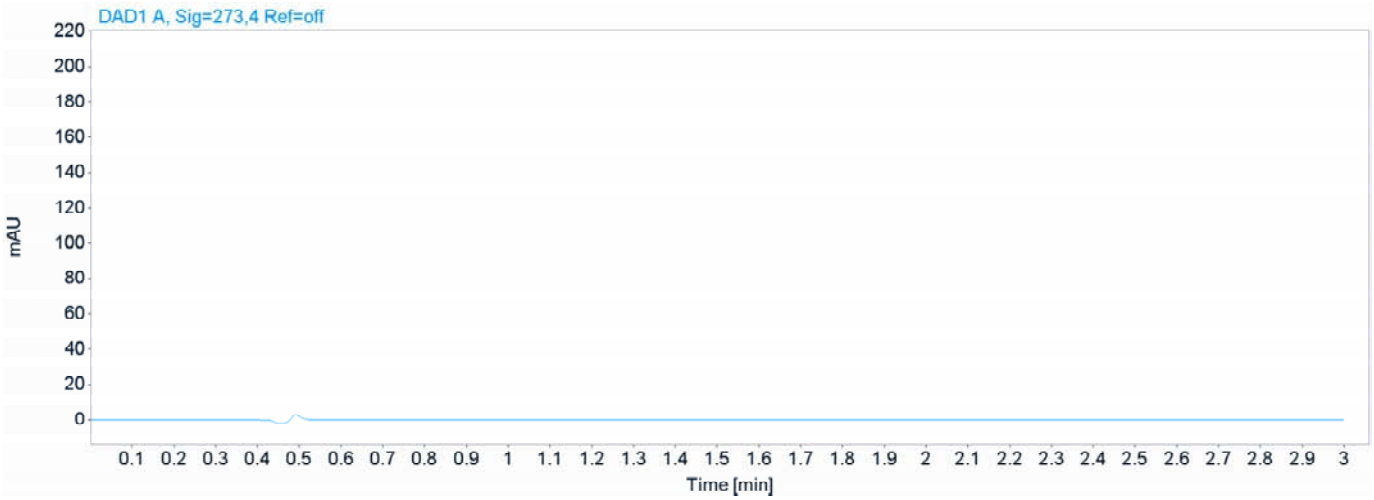
Data file:	C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\002-0401.D
Sample name:	PCIN 3
Injection date:	3/6/2025 11:59:59 AM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 12:26:50 PM



Name	RT	Area	Height
Cafeina	1.344	773.1540	161.9474

Relatório de Análise

Data file:	C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\001-0501.D
Sample name:	Branco 2
Injection date:	3/6/2025 12:03:56 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 12:26:50 PM

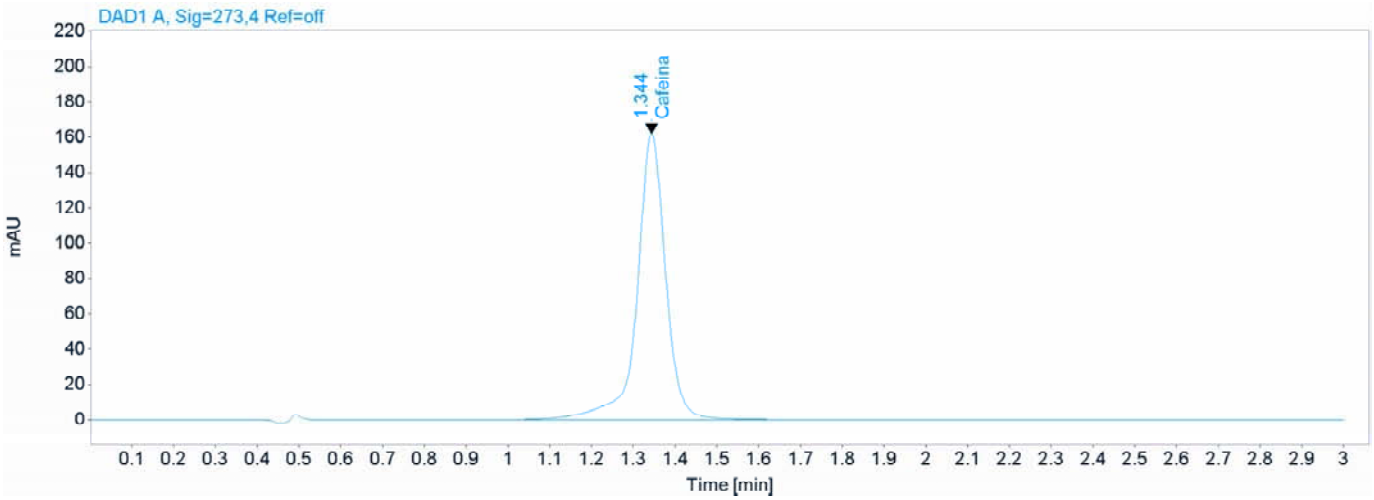


Name	RT	Area	Height

Relatório de Análise

Data file: C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\002-0601.D

Sample name: PCIN 4
Injection date: 3/6/2025 12:07:50 PM
Acq. method: QUALIFICAÇÃO.M
Injection volume: 10.000
Last changed: 3/6/2025 12:26:50 PM

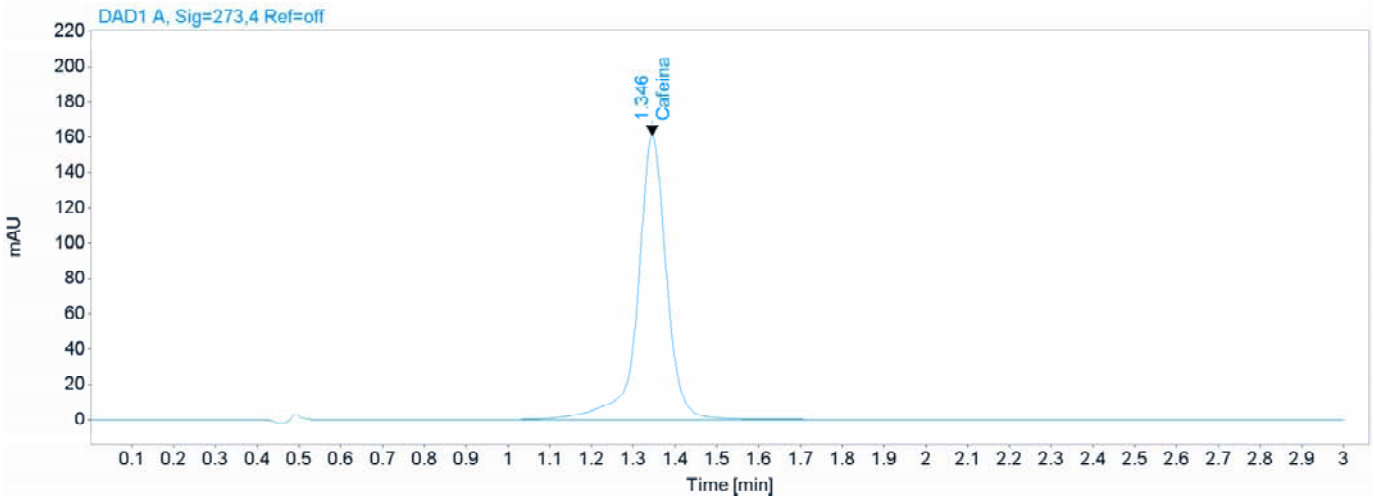


Name	RT	Area	Height
Cafeina	1.344	774.0555	161.7831

Relatório de Análise

Data file: C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\002-0701.D

Sample name: PCIN 5
Injection date: 3/6/2025 12:11:59 PM
Acq. method: QUALIFICAÇÃO.M
Injection volume: 10.000
Last changed: 3/6/2025 12:26:50 PM

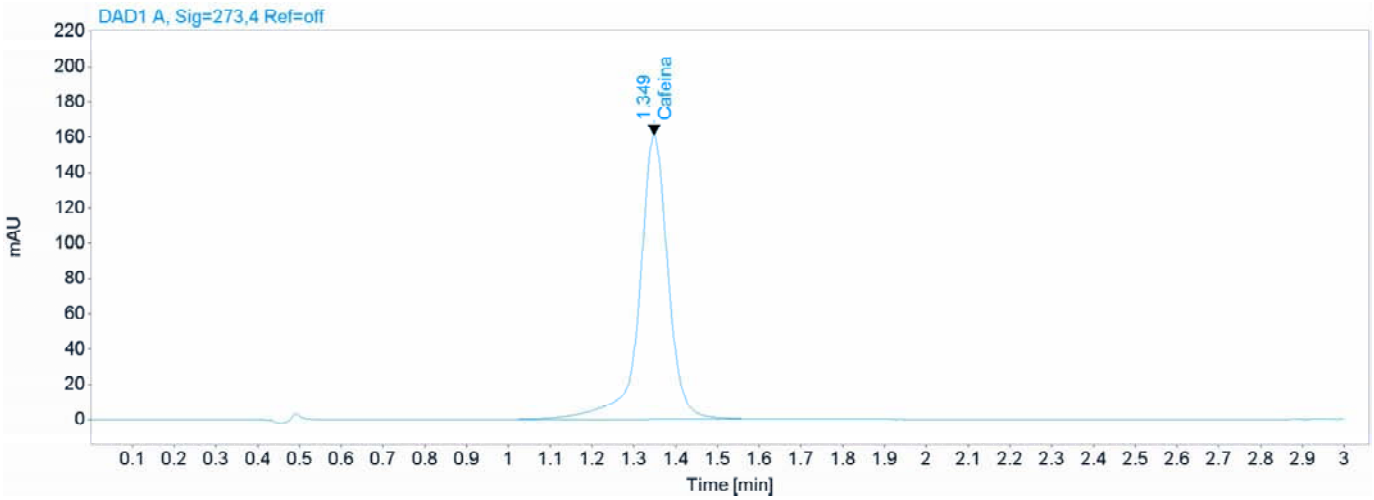


Name	RT	Area	Height
Cafeina	1.346	775.7259	160.6255

Relatório de Análise

Data file: C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\002-0801.D

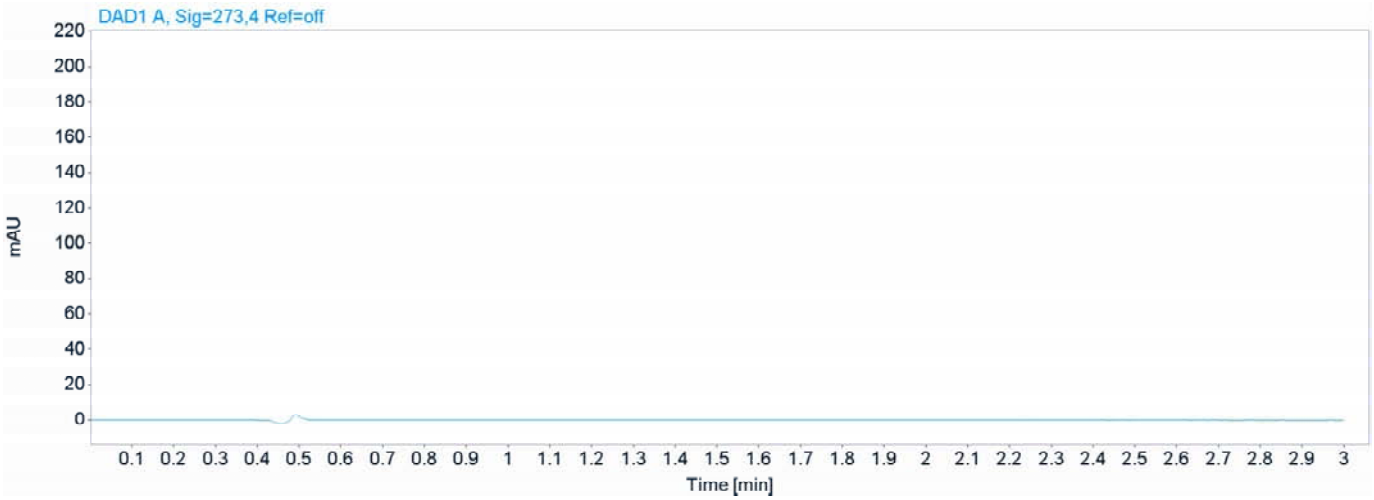
Sample name: PCIN 6
Injection date: 3/6/2025 12:15:55 PM
Acq. method: QUALIFICAÇÃO.M
Injection volume: 10.000
Last changed: 3/6/2025 12:26:50 PM



Name	RT	Area	Height
Cafeina	1.349	772.9540	160.8317

Relatório de Análise

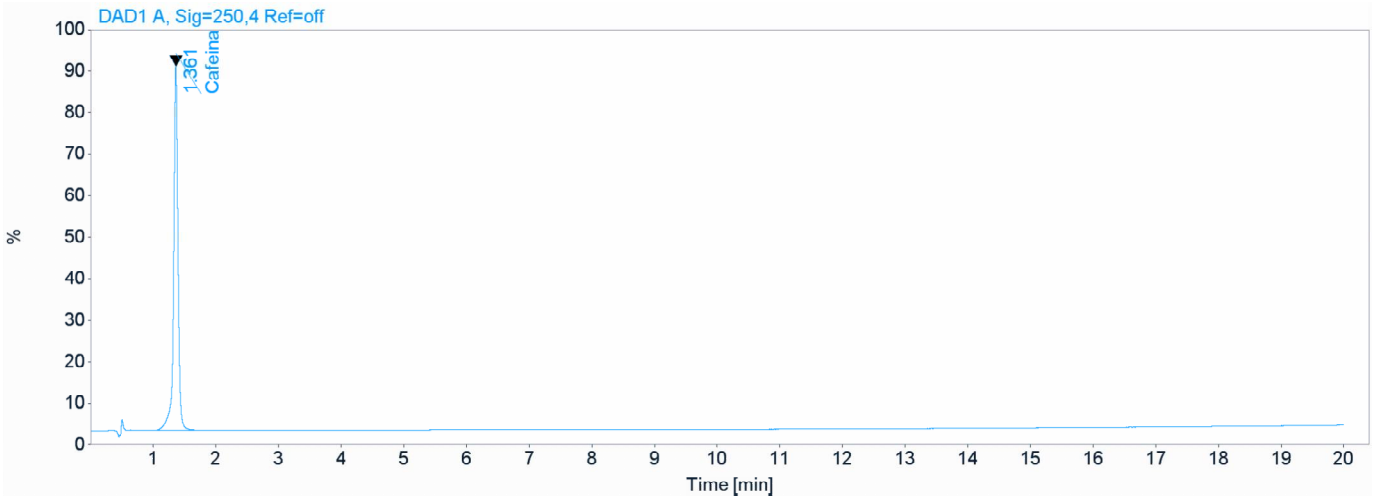
Data file:	C:\Chem32\1\Data\PCIN 2025-03-06 11-47-18\001-0901.D
Sample name:	Branco 3
Injection date:	3/6/2025 12:19:52 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 12:26:50 PM



Name	RT	Area	Height

Relatório de Análise

Data file:	C:\Chem32\1\Data\Sinal-Ruido 2025-03-06 13-06-19\001-0101.D
Sample name:	Sinal - Ruido
Injection date:	3/6/2025 1:07:21 PM
Acq. method:	SINAL-RUIDO.M
Injection volume:	20.000
Last changed:	3/6/2025 1:46:21 PM

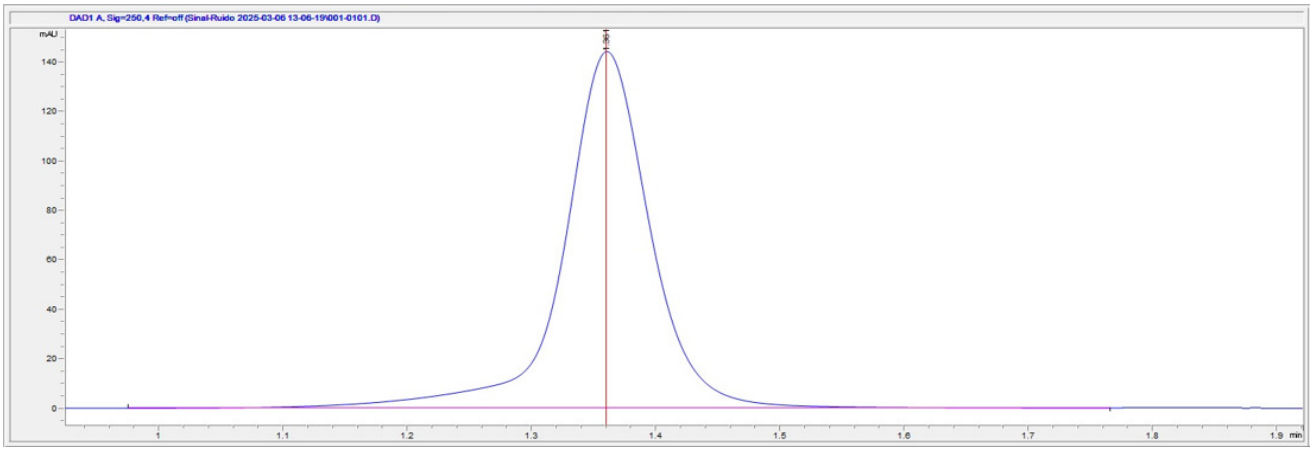


Name	RT	Area	Height
Cafeina	1.361	700.8220	144.5346

Certificado Nº: 114/25 - RELB	Início da Qualificação: 06/03/2025	Página 1 de 3

Resultado obtido na altura do pico

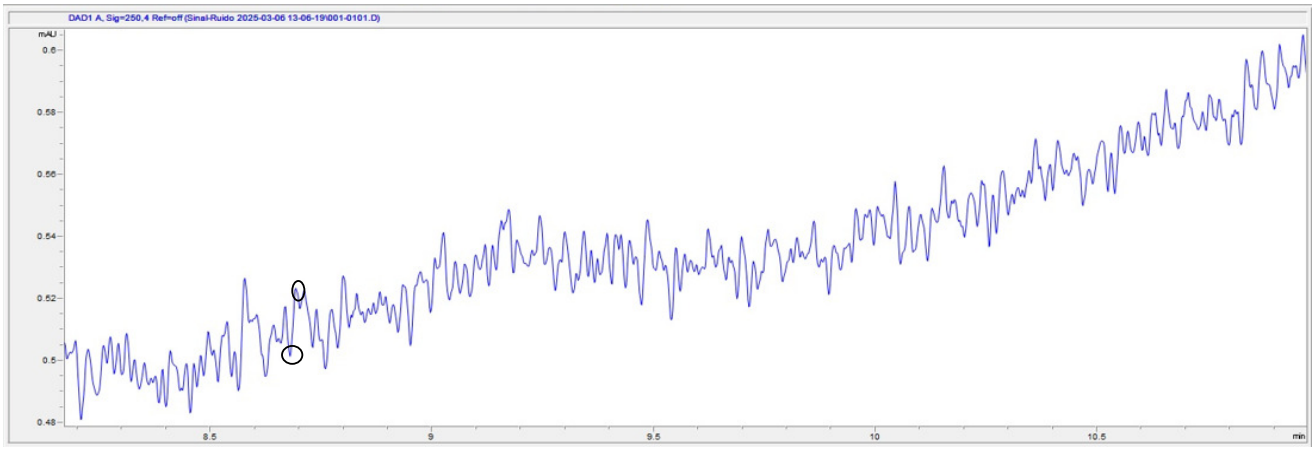
	ALTURA DO PICO (mAU)
Resultado:	144.5346



Certificado Nº: 114/25 - RELB	Início da Qualificação: 06/03/2025	Página 2 de 3

Resultado obtido no teste de sinal/ruído

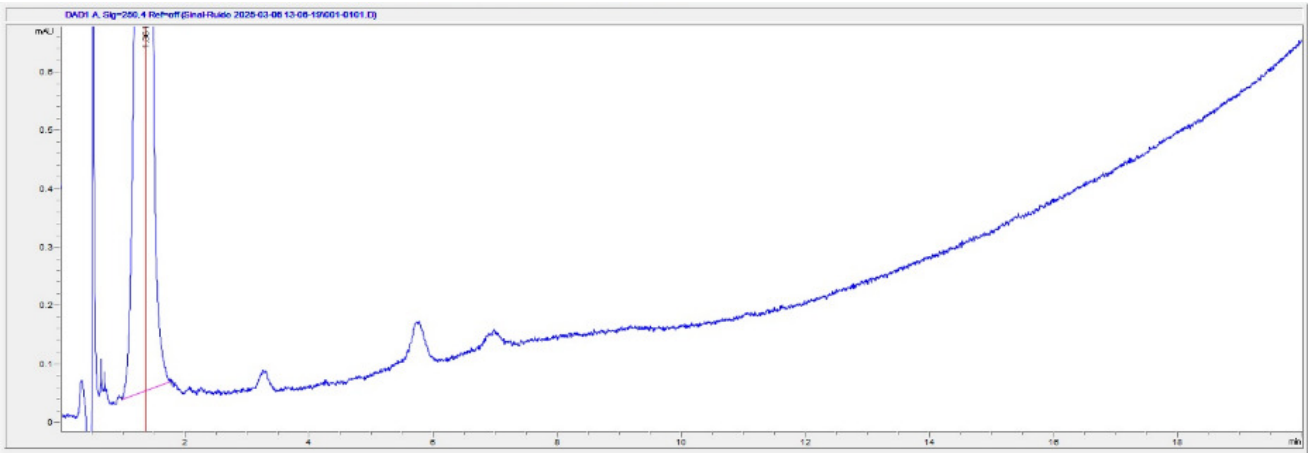
Resultado:	Ruído (mAU)
VALOR MÁXIMO:	0.52
VALOR MÍNIMO:	0.50
	Ruído
	0.02



Certificado Nº: 114/25 - RELB	Início da Qualificação: 06/03/2025	Página 3 de 3

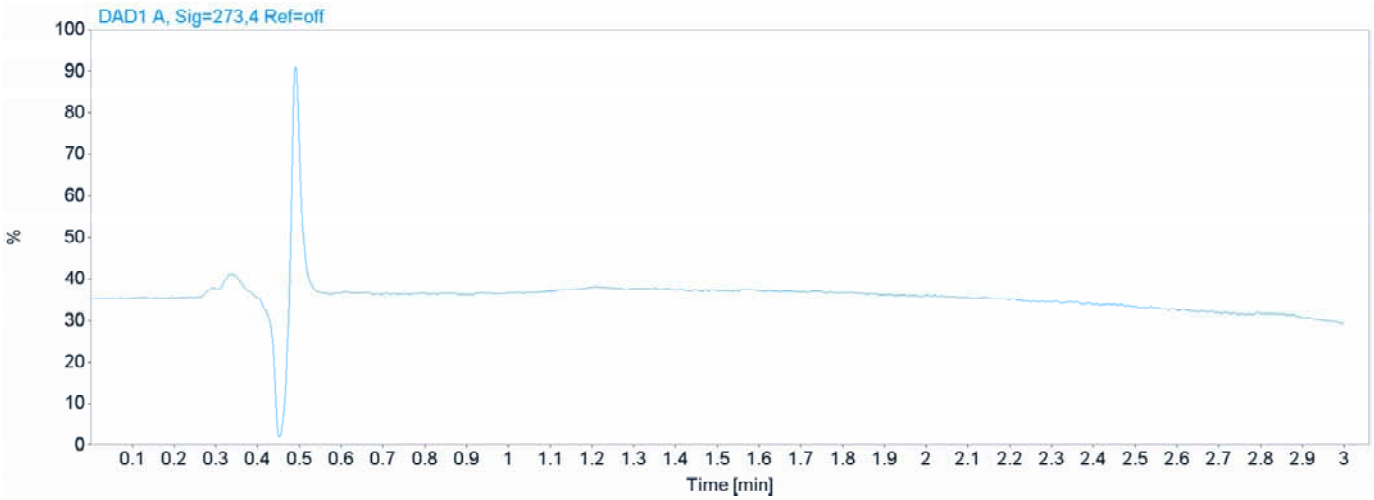
Resultado obtido no teste estabilidade da linha de base

Estabilidade da Linha de Base	Diferença 20 min	Diferença 60 min
VALOR MÁXIMO:	0.66	1.9500
VALOR MÍNIMO:	0.01	
Resultado:	**0.6500**	



Relatório de Análise

Data file:	C:\Chem32\1\Data\LDUV 2025-03-06 13-30-15\001-0101.D
Sample name:	LDUV 1
Injection date:	3/6/2025 1:31:17 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 1:50:05 PM

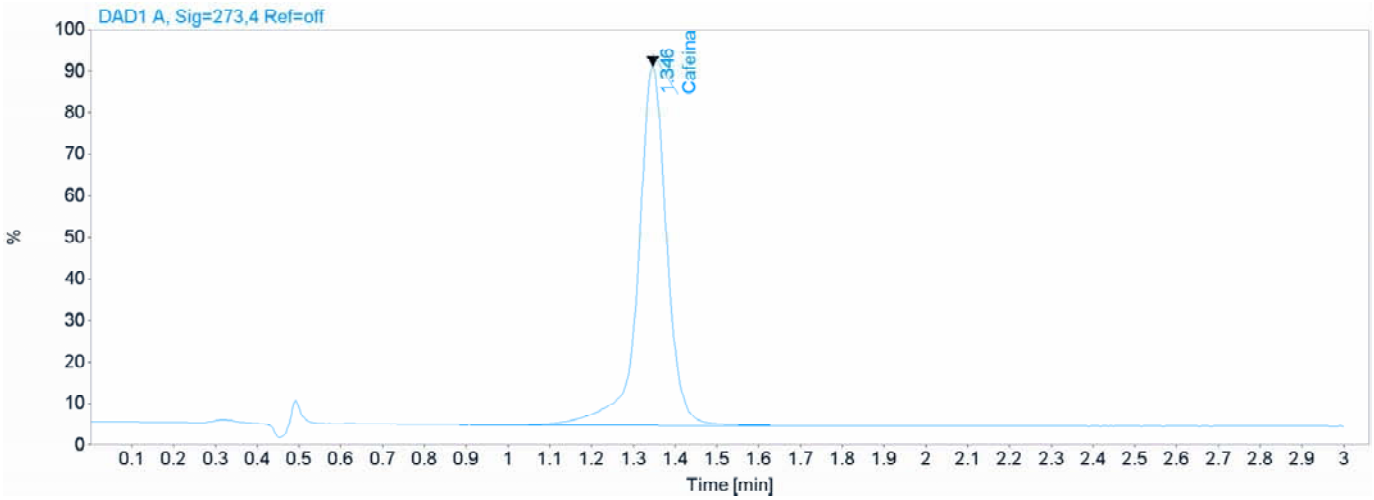


Name	RT	Area	Height

Relatório de Análise

Data file: C:\Chem32\1\Data\LDUV 2025-03-06 13-30-15\002-0201.D

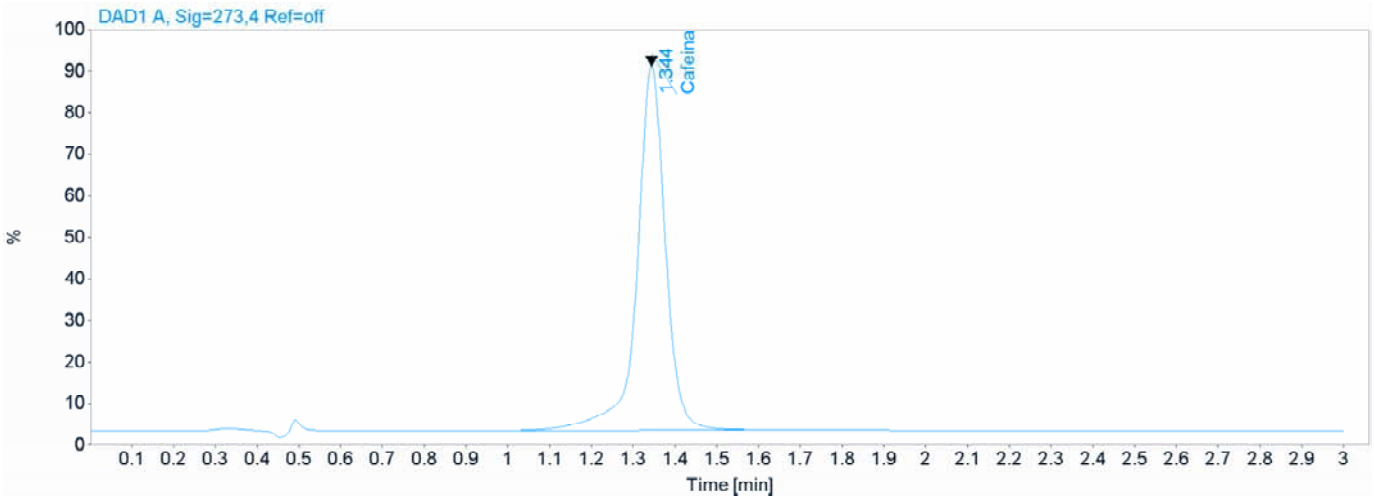
Sample name: LDUV 2
Injection date: 3/6/2025 1:35:21 PM
Acq. method: QUALIFICAÇÃO.M
Injection volume: 10.000
Last changed: 3/6/2025 1:50:05 PM



Name	RT	Area	Height
Cafeina	1.346	257.2162	53.8352

Relatório de Análise

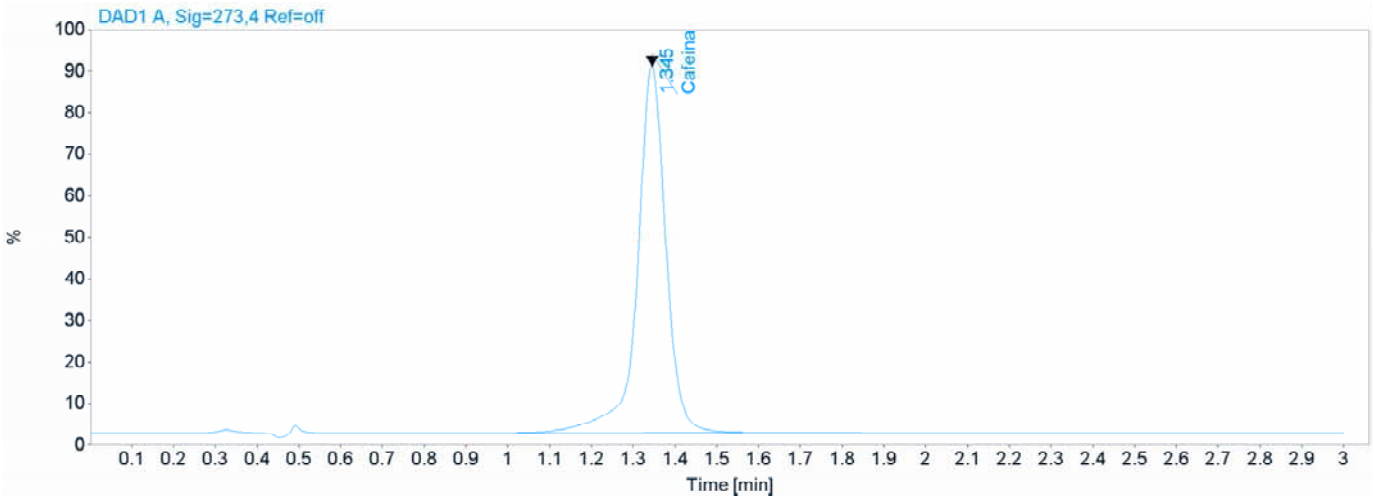
Data file:	C:\Chem32\1\Data\LDUV 2025-03-06 13-30-15\003-0301.D
Sample name:	LDUV 3
Injection date:	3/6/2025 1:39:18 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 1:50:05 PM



Name	RT	Area	Height
Cafeina	1.344	535.5204	112.8268

Relatório de Análise

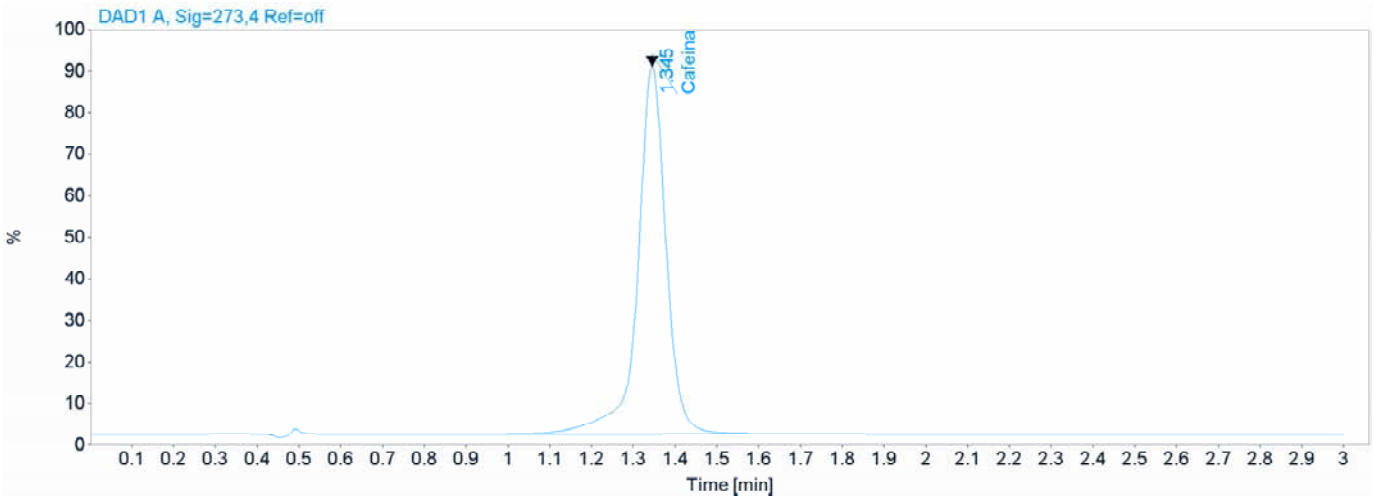
Data file:	C:\Chem32\1\Data\LDUV 2025-03-06 13-30-15\004-0401.D
Sample name:	LDUV 4
Injection date:	3/6/2025 1:43:18 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 1:50:05 PM



Name	RT	Area	Height
Cafeina	1.345	780.2849	163.0768

Relatório de Análise

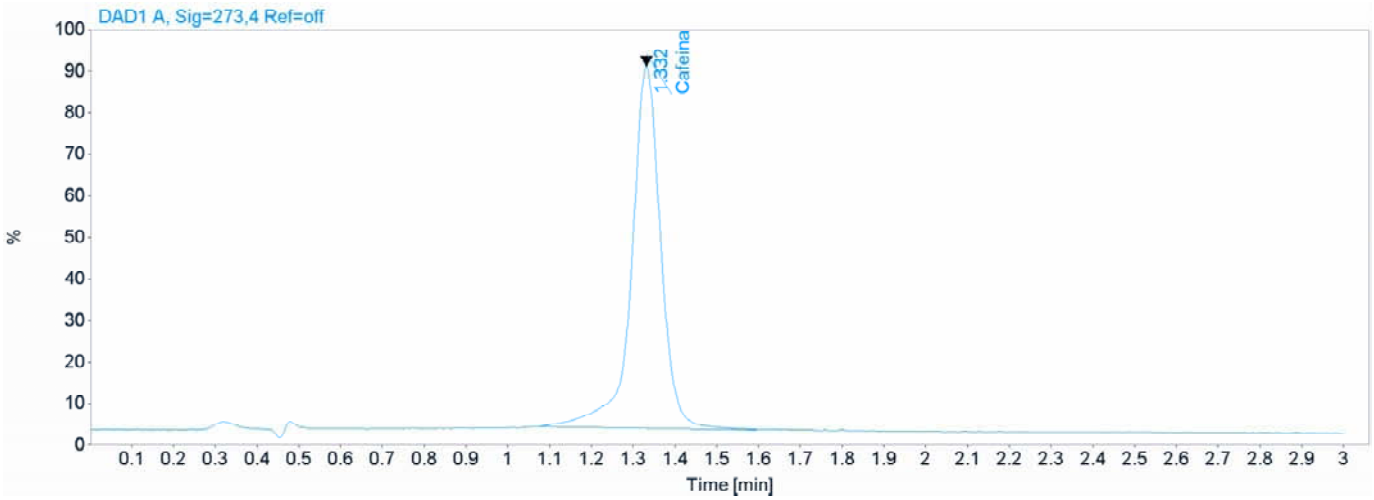
Data file:	C:\Chem32\1\Data\LDUV 2025-03-06 13-30-15\005-0501.D
Sample name:	LDUV 5
Injection date:	3/6/2025 1:47:17 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 1:50:05 PM



Name	RT	Area	Height
Cafeina	1.345	1058.7749	222.5120

Relatório de Análise

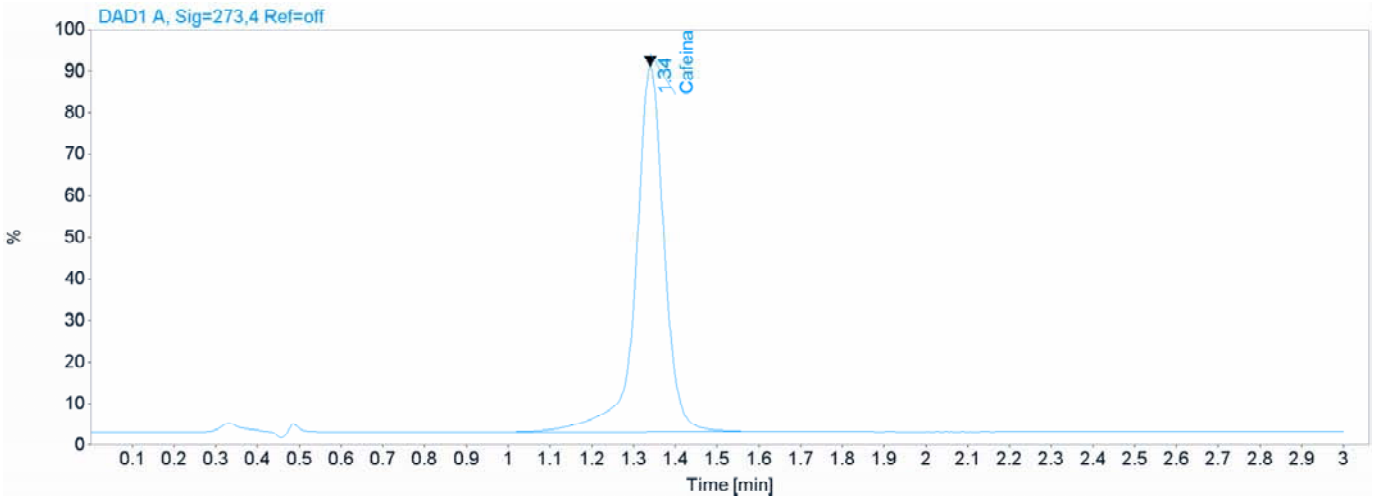
Data file:	C:\Chem32\1\Data\LIIN 2025-03-06 13-55-32\001-0101.D
Sample name:	LIIN 1
Injection date:	3/6/2025 1:56:29 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	1.000
Last changed:	3/6/2025 2:11:21 PM



Name	RT	Area	Height
Cafeina	1.332	82.0629	16.8148

Relatório de Análise

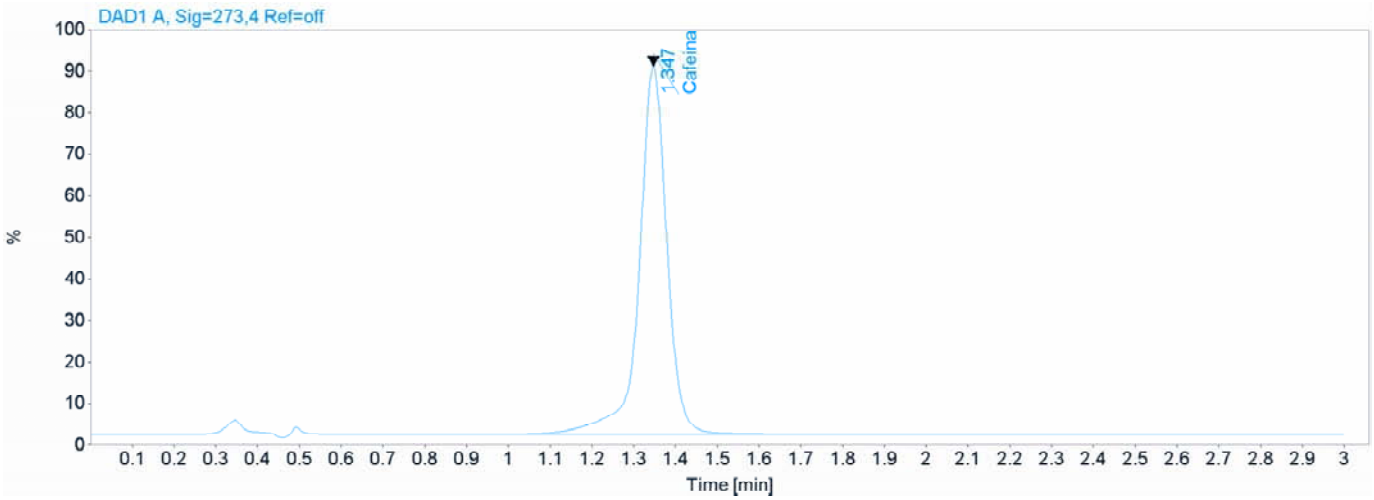
Data file:	C:\Chem32\1\Data\LIIN 2025-03-06 13-55-32\001-0201.D
Sample name:	LIIN 2
Injection date:	3/6/2025 2:00:24 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	5.000
Last changed:	3/6/2025 2:11:21 PM



Name	RT	Area	Height
Cafeina	1.340	408.0592	85.6261

Relatório de Análise

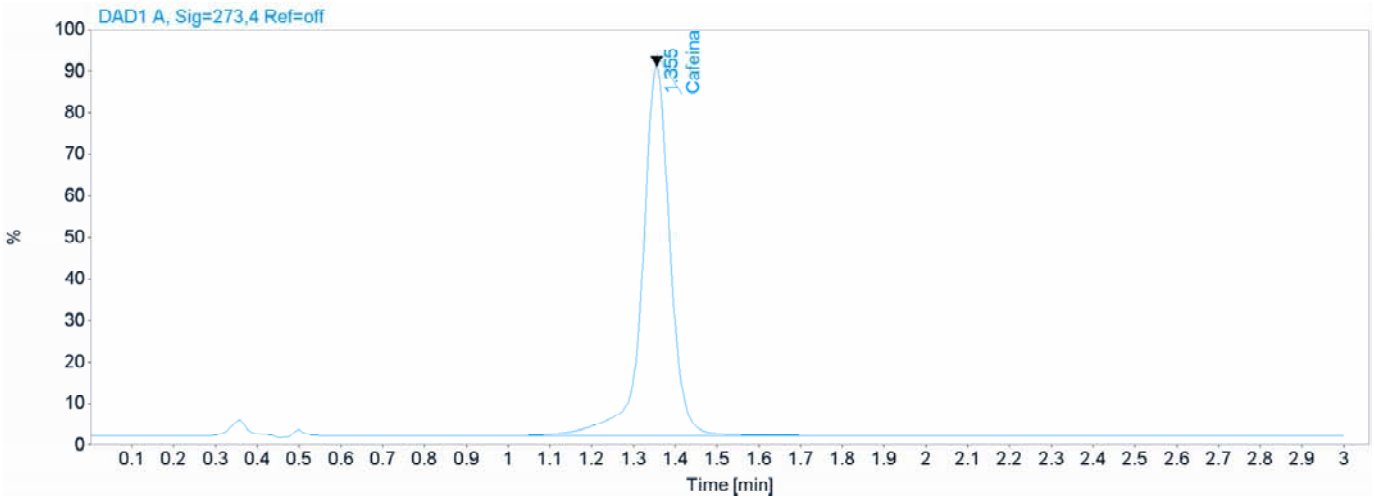
Data file:	C:\Chem32\1\Data\LIIN 2025-03-06 13-55-32\001-0301.D
Sample name:	LIIN 3
Injection date:	3/6/2025 2:04:23 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	10.000
Last changed:	3/6/2025 2:11:21 PM



Name	RT	Area	Height
Cafeina	1.347	813.6757	174.4874

Relatório de Análise

Data file:	C:\Chem32\1\Data\LIIN 2025-03-06 13-55-32\001-0401.D
Sample name:	LIIN 4
Injection date:	3/6/2025 2:08:23 PM
Acq. method:	QUALIFICAÇÃO.M
Injection volume:	15.000
Last changed:	3/6/2025 2:12:59 PM

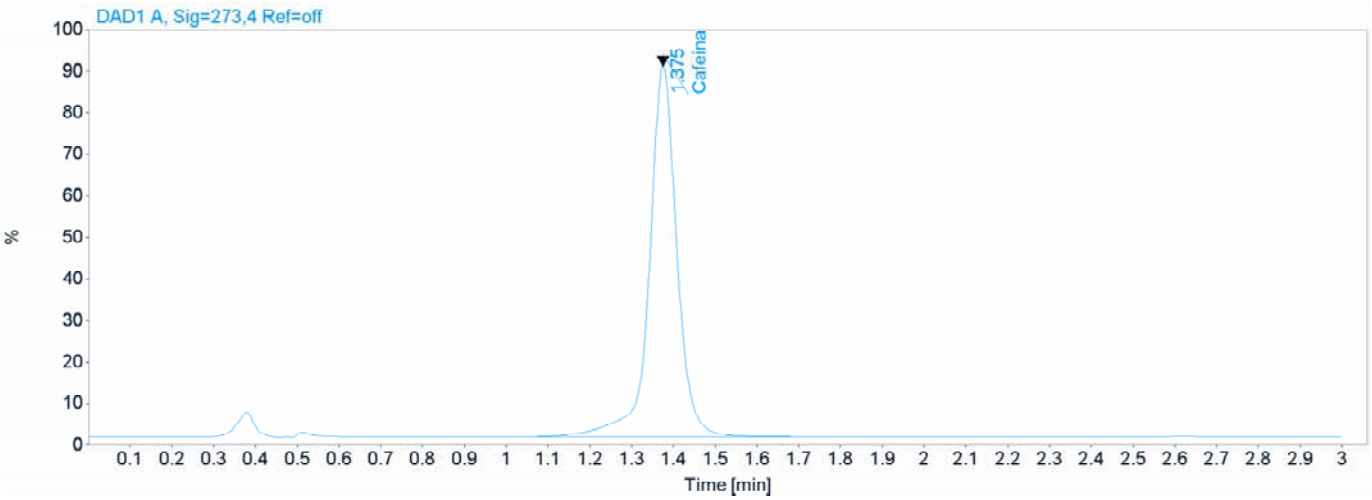


Name	RT	Area	Height
Cafeina	1.355	1219.4689	263.6232

Relatório de Análise

Data file: C:\Chem32\1\Data\LIIN 2025-03-06 13-55-32\001-0501.D

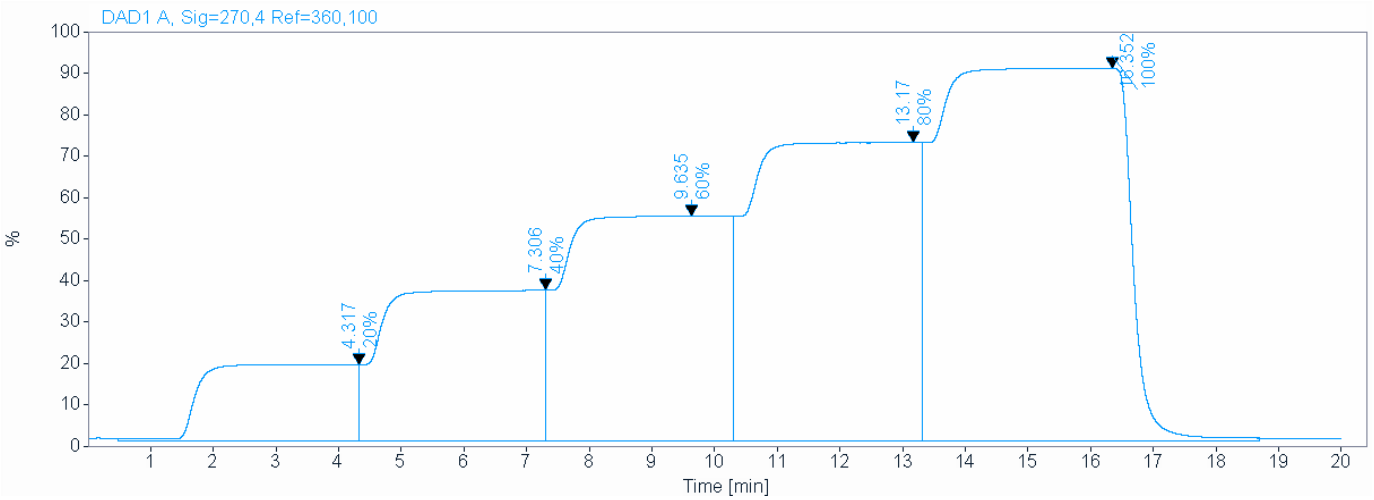
Sample name: LIIN 5
Injection date: 3/6/2025 2:12:29 PM
Acq. method: QUALIFICAÇÃO.M
Injection volume: 30.000
Last changed: 3/6/2025 2:18:21 PM



Name	RT	Area	Height
Cafeina	1.375	2442.0210	525.4815

Relatório de Análise

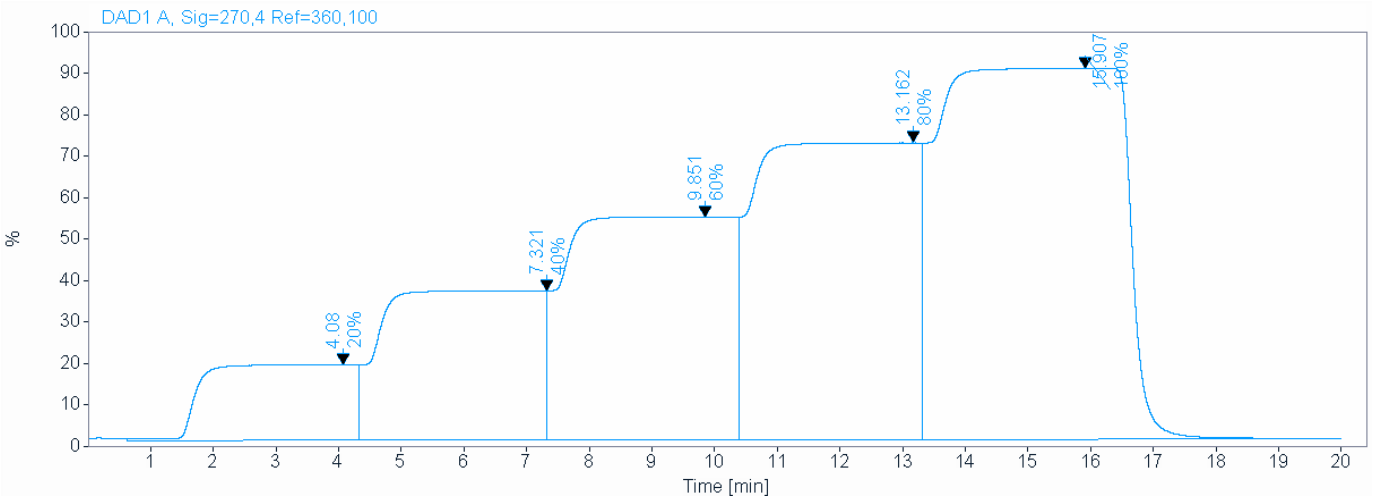
Data file:	C:\Chem32\1\Data\Grad AB 2025-03-07 08-55-05\001-0101.D
Sample name:	Grad AB
Injection date:	3/7/2025 8:56:01 AM
Acq. method:	GRAD AB.M
Injection volume:	0.100
Last changed:	3/7/2025 9:22:25 AM



Name	RT	Area	Height
20%	4.317	15038.4424	95.2109
40%	7.306	31474.8496	188.2202
60%	9.635	48155.2852	281.1046
80%	13.170	65252.7852	372.9538
100%	16.352	92956.6875	465.6310

Relatório de Análise

Data file:	C:\Chem32\1\Data\Grad CD 2025-03-07 09-21-24\001-0101.D
Sample name:	Grad CD
Injection date:	3/7/2025 9:22:13 AM
Acq. method:	GRAD CD.M
Injection volume:	0.100
Last changed:	3/7/2025 9:47:32 AM



Name	RT	Area	Height
20%	4.080	14938.0645	94.3905
40%	7.321	31519.1328	186.8652
60%	9.851	49088.0039	278.7488
80%	13.162	63407.4766	370.6626
100%	15.907	92096.3672	463.1345

Lab Advisor Diagnostic Result — Agroceres

G1321B — Wavelength Accuracy Test — Passed

DEABW05525
1260 FLD Spectra

The test uses the Raman band of water to determine the excitation and emission wavelength accuracy.

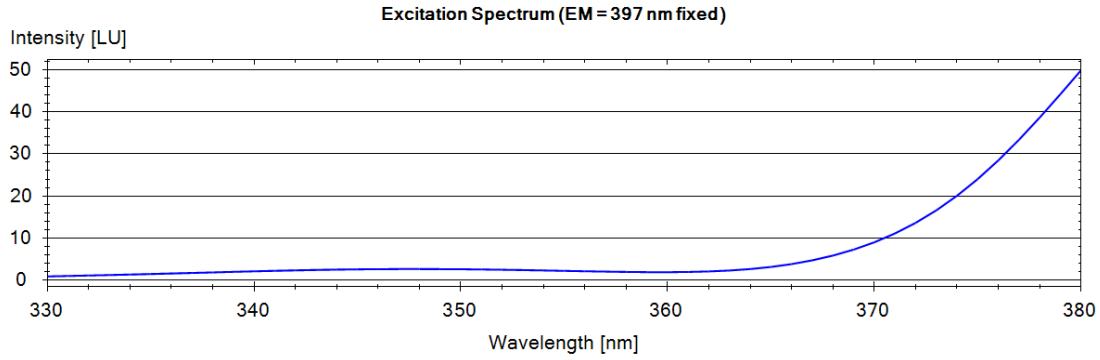
Started at 06/03/2025 14:26:44 by AGROCERES_AD\hplc.bromato on HPLC

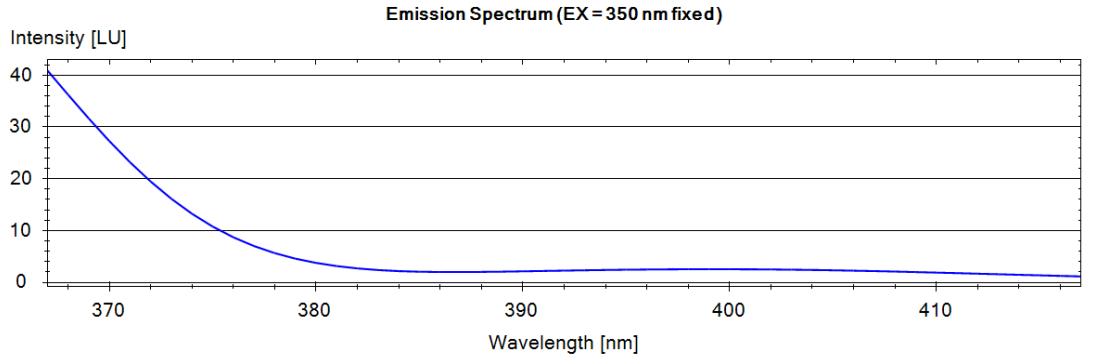
Results

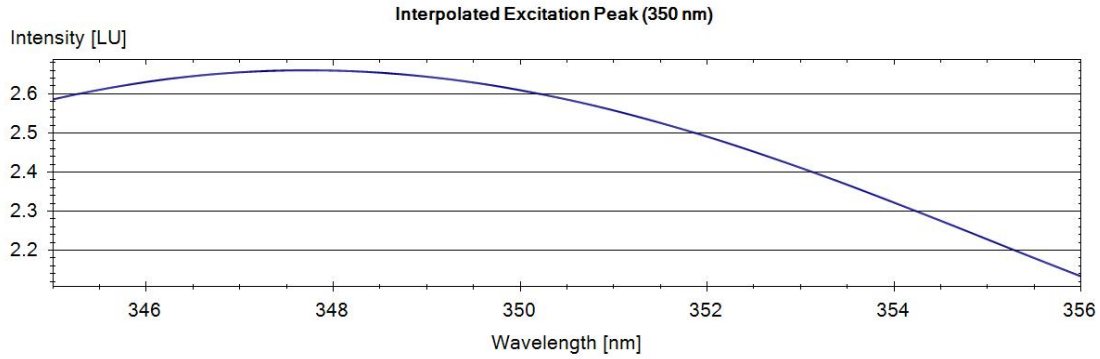
Item	Value	Result
WL Accuracy EX Deviation	-2.3 nm	
WL Accuracy Limit for Excitation	*-3 ... 3 nm*	Passed
WL Accuracy EM Deviation	2.1 nm	
WL Accuracy Limit for Emission	*-3 ... 3 nm*	Passed

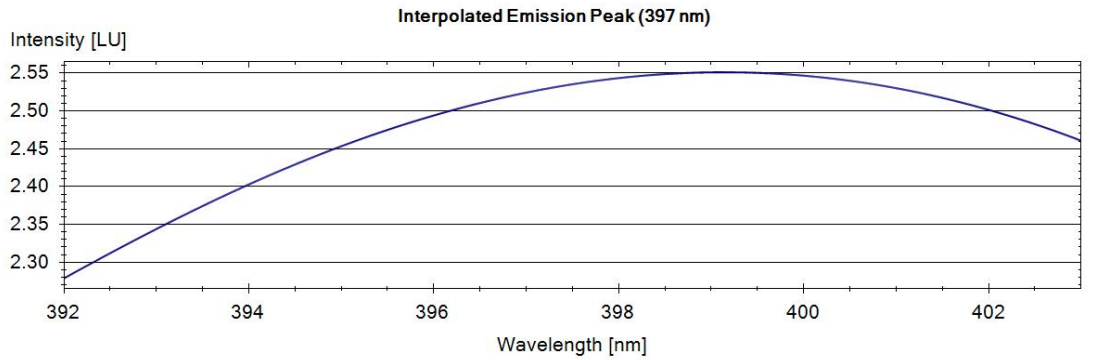
Finished at 06/03/2025 14:29:38

Signals





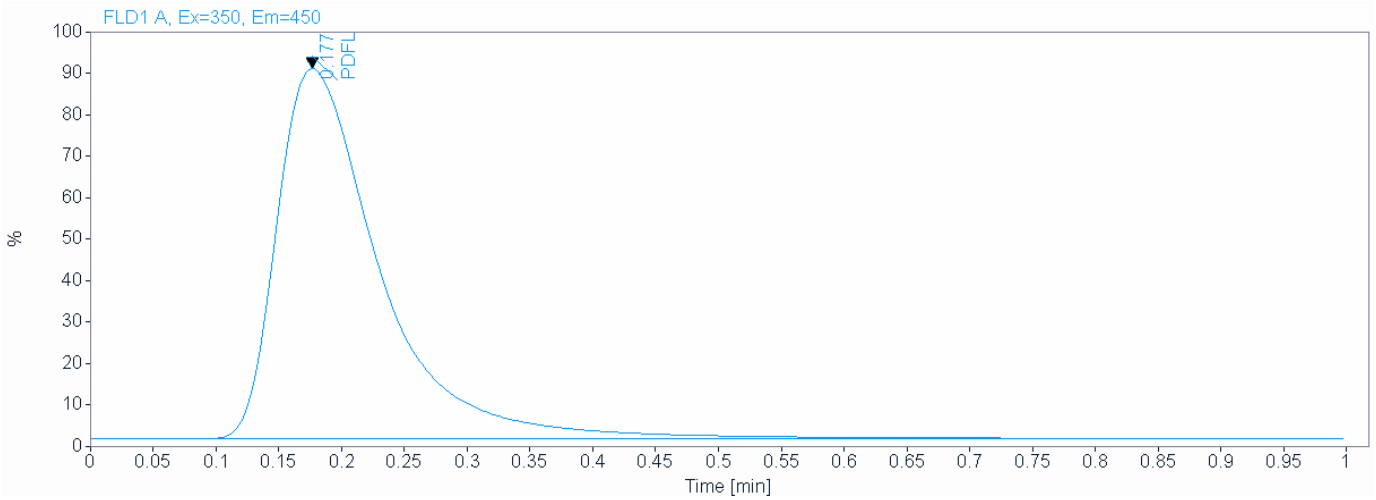




Signature: .....

Relatório de Análise

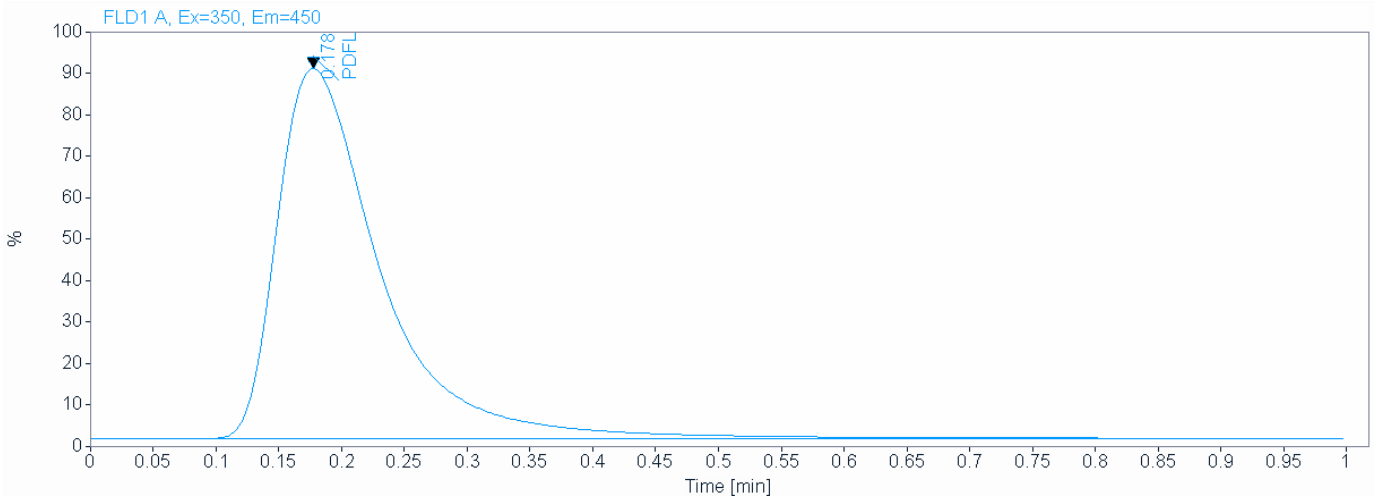
Data file:	C:\Chem32\2\Data\Rep. FL 2025-03-06 15-09-07\001-0101.D
Sample name:	Rep. 1
Injection date:	3/6/2025 3:09:59 PM
Acq. method:	QUALIFICAÇÃO FL.M
Injection volume:	10.000
Last changed:	3/6/2025 3:26:42 PM



Name	RT	Area	Height
PDFL	0.177	40.5377	7.0885

Relatório de Análise

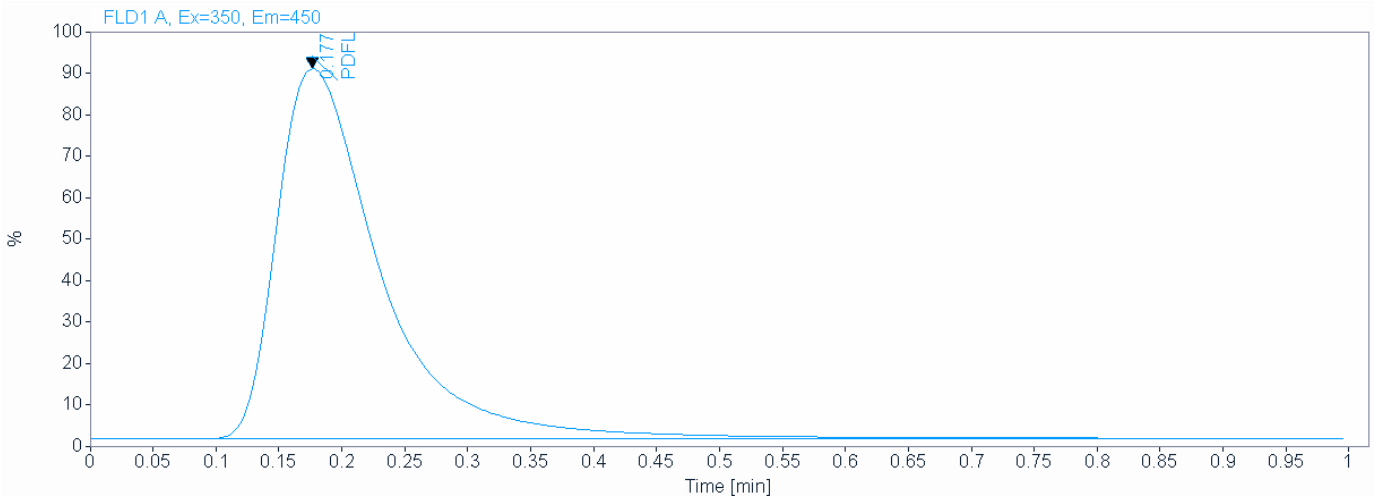
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Sample name:	Rep. 2
Injection date:	3/6/2025 3:11:53 PM
Acq. method:	QUALIFICAÇÃO FL.M
Injection volume:	10.000
Last changed:	3/6/2025 3:26:42 PM



Name	RT	Area	Height
PDFL	0.178	40.5083	7.2434

Relatório de Análise

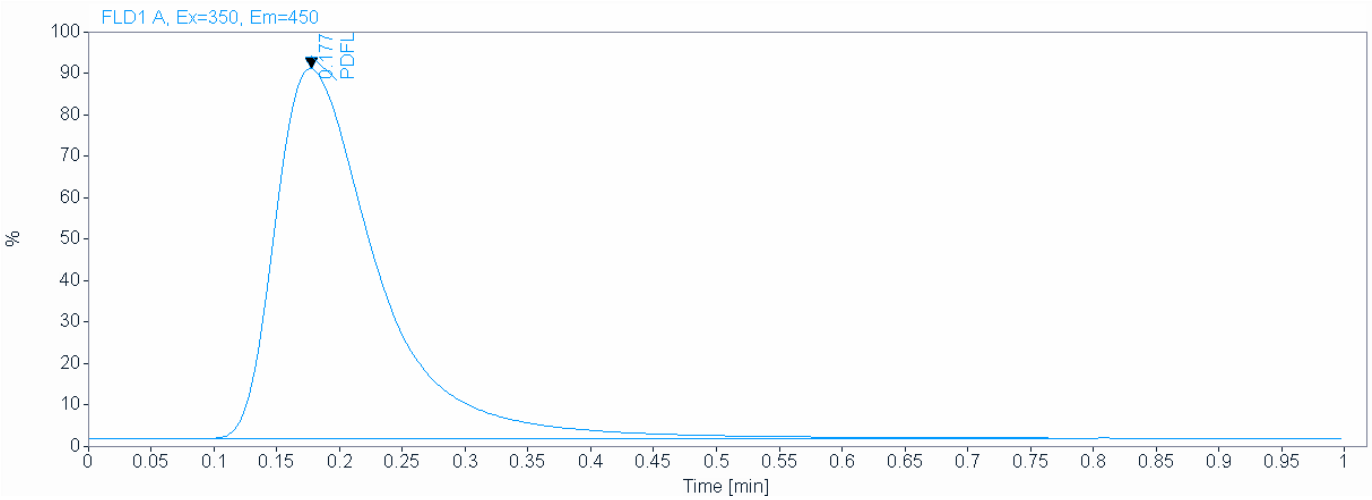
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Sample name:	Rep. 3
Injection date:	3/6/2025 3:13:48 PM
Acq. method:	QUALIFICAÇÃO FL.M
Injection volume:	10.000
Last changed:	3/6/2025 3:26:42 PM



Name	RT	Area	Height
PDFL	0.177	41.0219	7.3171

Relatório de Análise

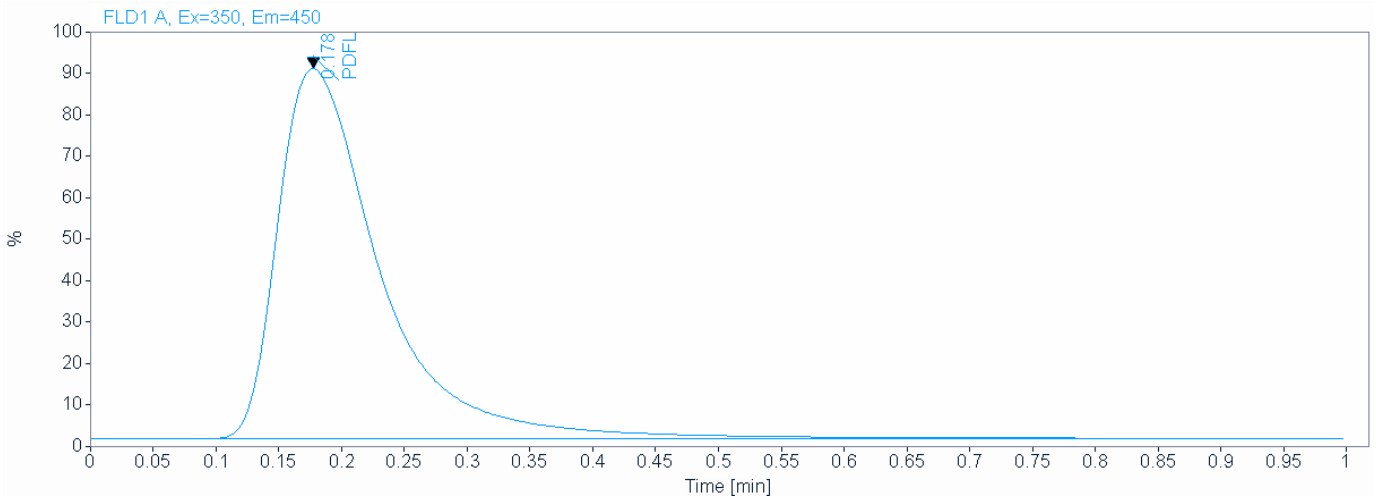
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Sample name:	Rep. 4
Injection date:	3/6/2025 3:15:42 PM
Acq. method:	QUALIFICAÇÃO FL.M
Injection volume:	10.000
Last changed:	3/6/2025 3:26:42 PM



Name	RT	Area	Height
PDFL	0.177	40.8104	7.3910

Relatório de Análise

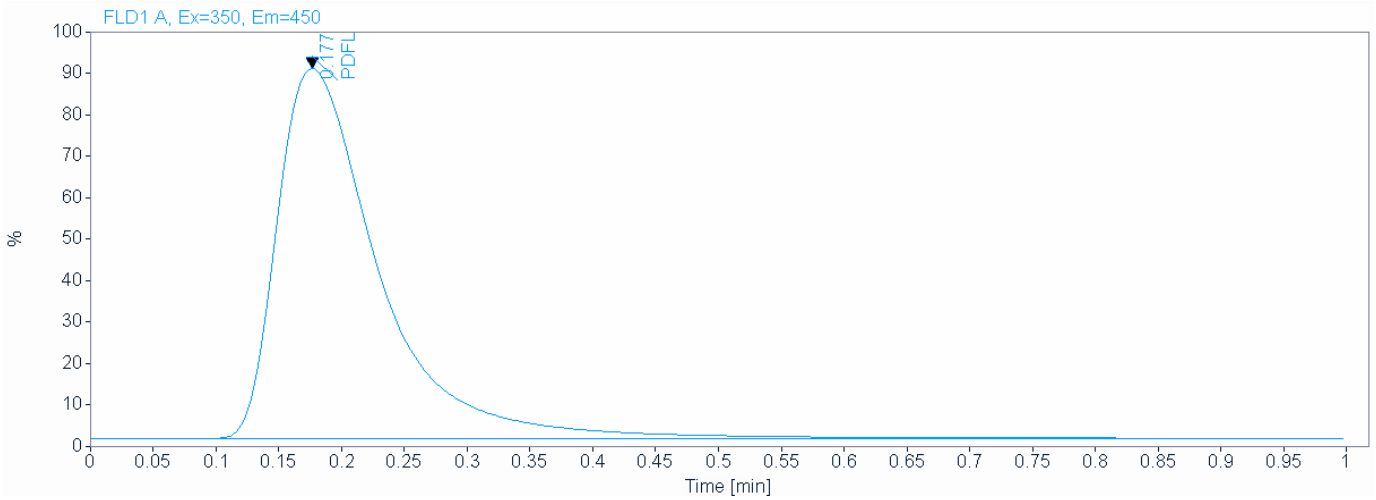
Data file:	C:\Chem32\2\Data\Rep. FL 2025-03-06 15-09-07\001-0501.D
Sample name:	Rep. 5
Injection date:	3/6/2025 3:17:37 PM
Acq. method:	QUALIFICAÇÃO FL.M
Injection volume:	10.000
Last changed:	3/6/2025 3:26:42 PM



Name	RT	Area	Height
PDFL	0.178	40.8163	7.7126

Relatório de Análise

Data file:	C:\Chem32\2\Data\Rep. FL 2025-03-06 15-09-07\001-0601.D
Sample name:	Rep. 6
Injection date:	3/6/2025 3:19:32 PM
Acq. method:	QUALIFICAÇÃO FL.M
Injection volume:	10.000
Last changed:	3/6/2025 3:26:42 PM



Name	RT	Area	Height
PDFL	0.177	40.7202	7.7900