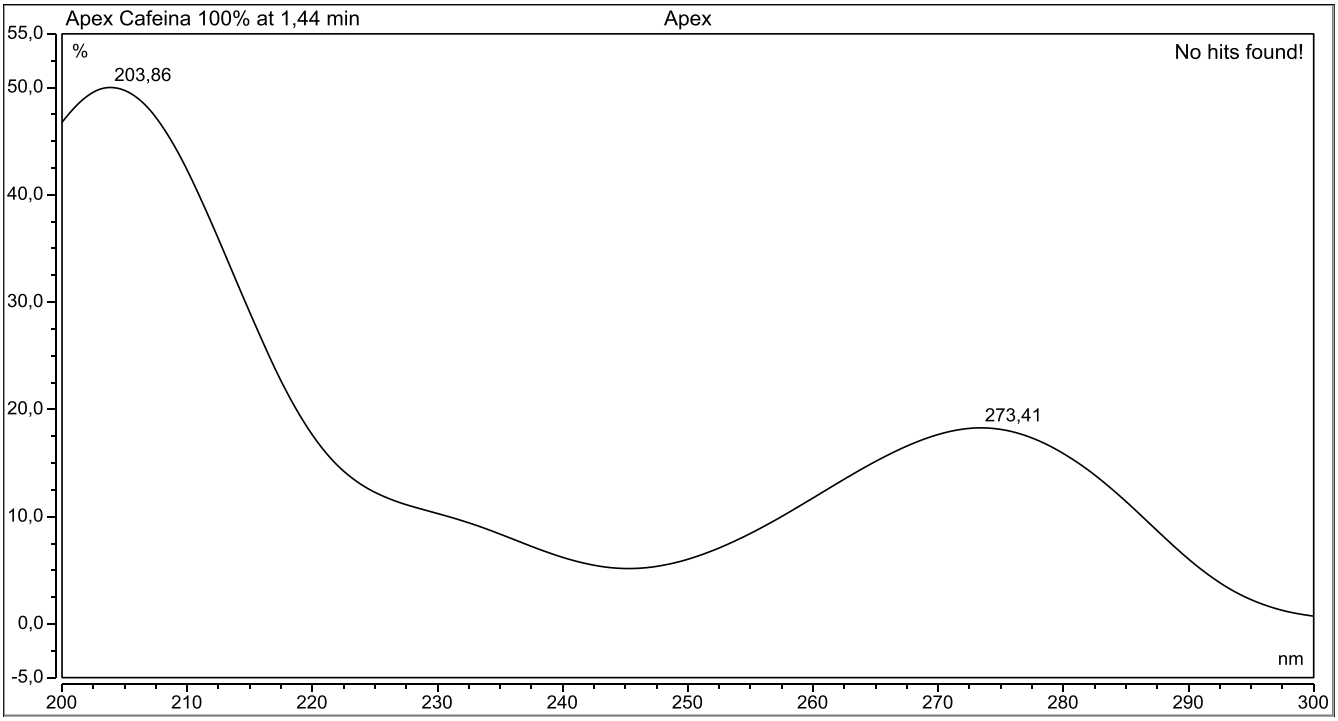
Spectral Library Screening Results

Injection Details

Injection Name:	**EDUV**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 14:48**	*Sample Weight:*	**1,0000**

UV Spectra — Cafeina



Spectral Library Screening Results

	Hit# 1	Hit# 2	Hit# 3
Library:	n.a.	n.a.	n.a.
Component:	n.a.	n.a.	n.a.
Match Factor:	n.a.	n.a.	n.a.
Ret.Time:	n.a.	n.a.	n.a.
Origin:			
Acq.Date:	n.a.	n.a.	n.a.
Instrument Method:	n.a.	n.a.	n.a.

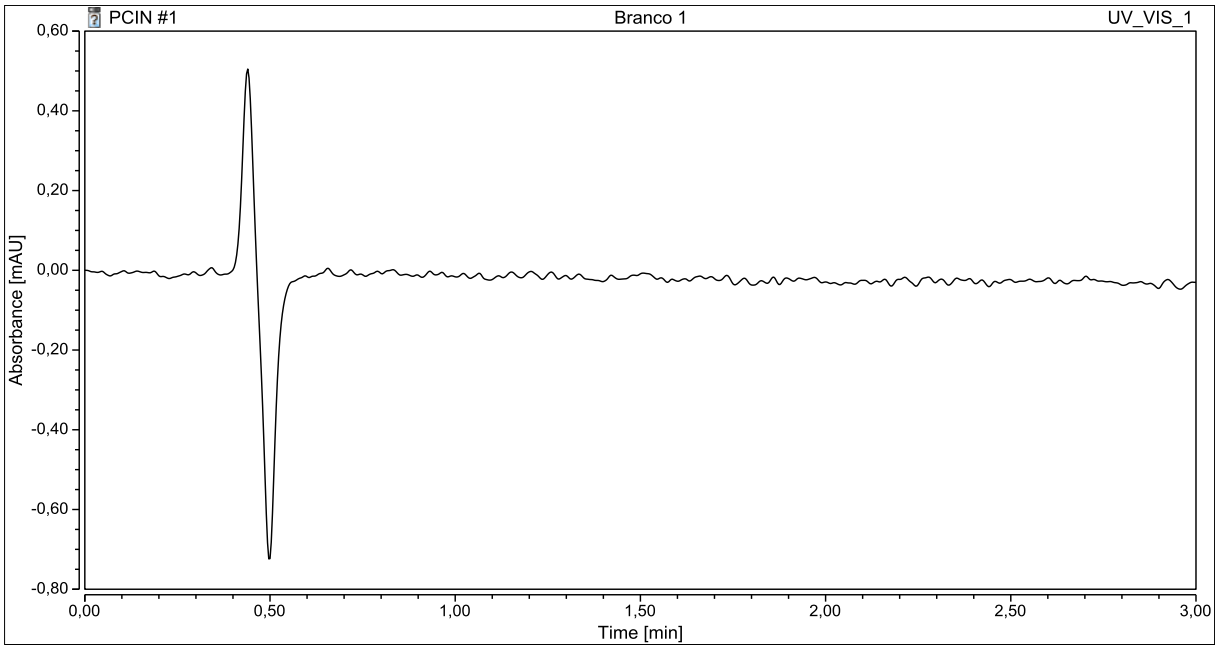
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Chromatogram and Results

Injection Details

Injection Name:	**Branco 1**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:02**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,000**	**0,000**	

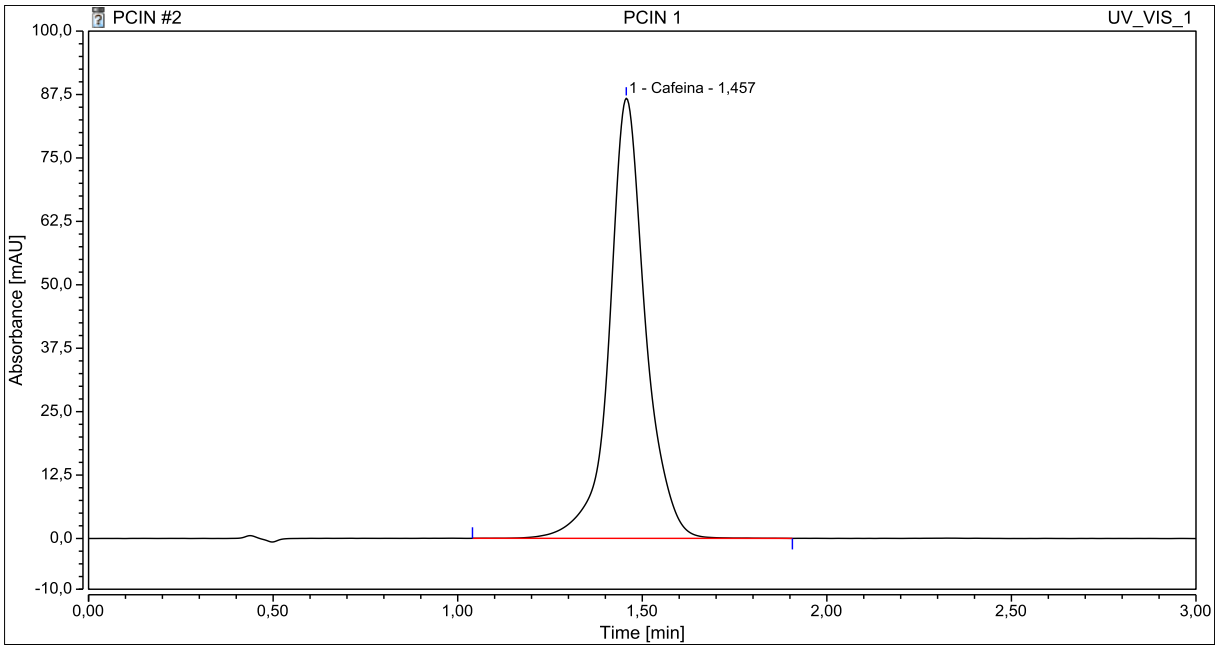
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Chromeleon 7.3.2.11814

Chromatogram and Results

Injection Details

Injection Name:	**PCIN 1**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:06**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,457	9,8537	86,745	100,00	100,00	n.a.
Total:			**9,854**	**86,745**	**100,000**	**100,000**	

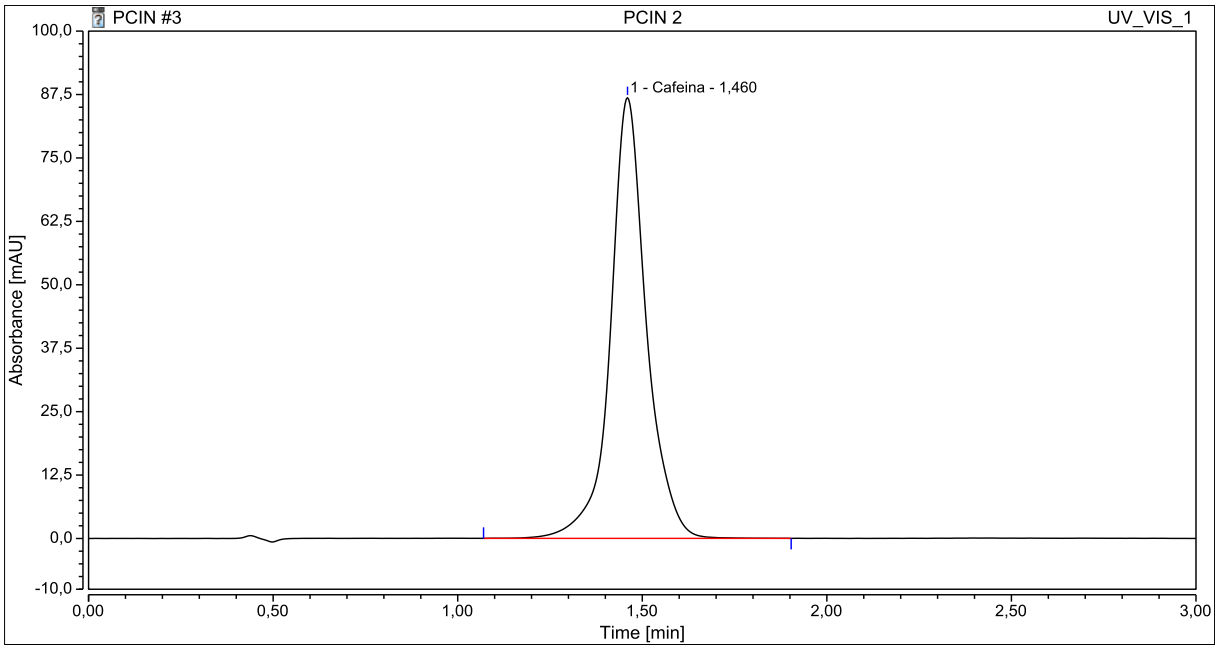
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 2**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:10**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,460	9,8100	86,852	100,00	100,00	n.a.
Total:			**9,810**	**86,852**	**100,000**	**100,000**	

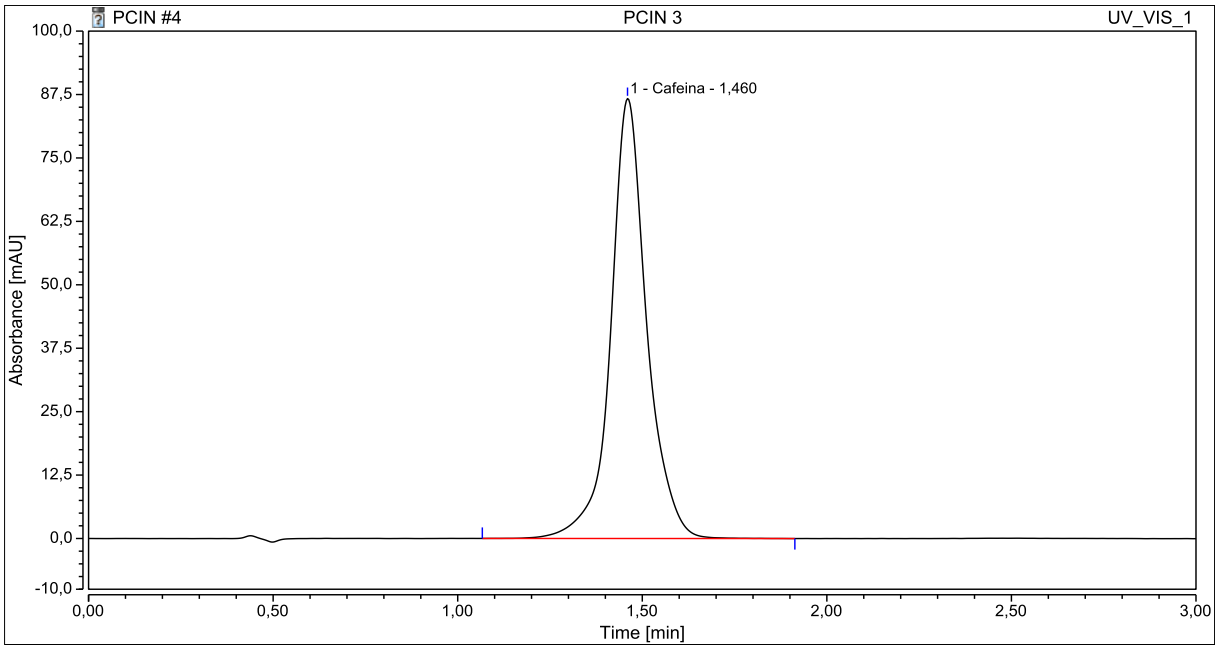
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 3**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:14**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,460	9,8037	86,707	100,00	100,00	n.a.
Total:			**9,804**	**86,707**	**100,000**	**100,000**	

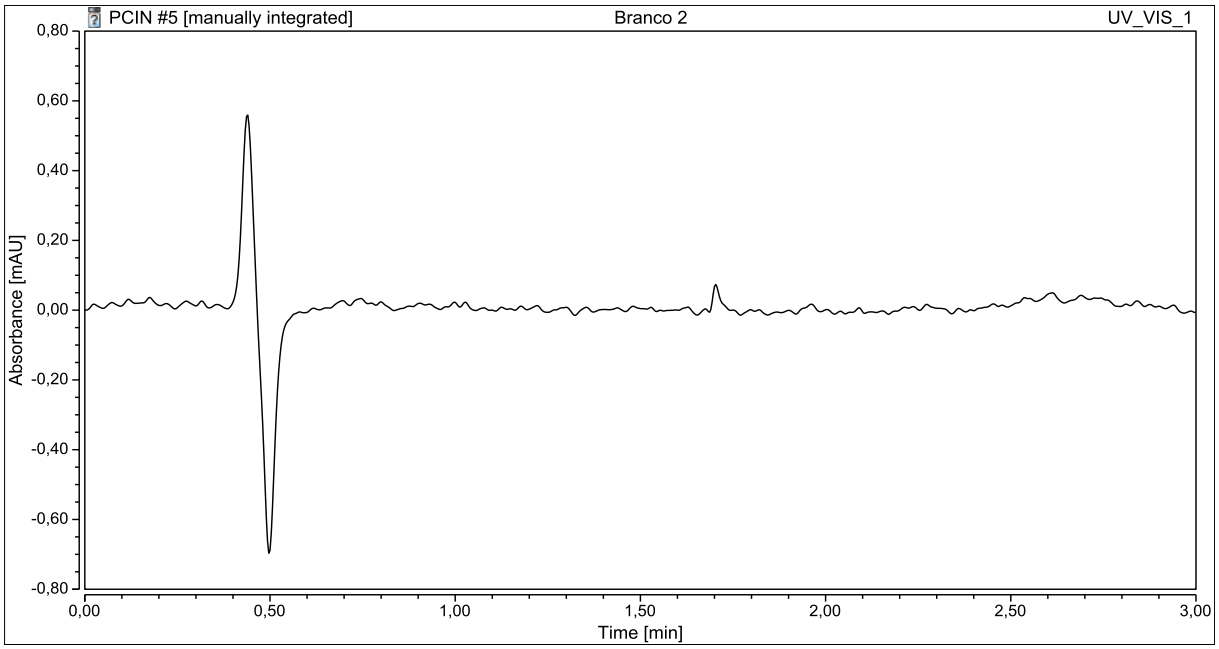
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Chromeleon 7.3.2.11814

Chromatogram and Results

Injection Details

Injection Name:	**Branco 2**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:18**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,000**	**0,000**	

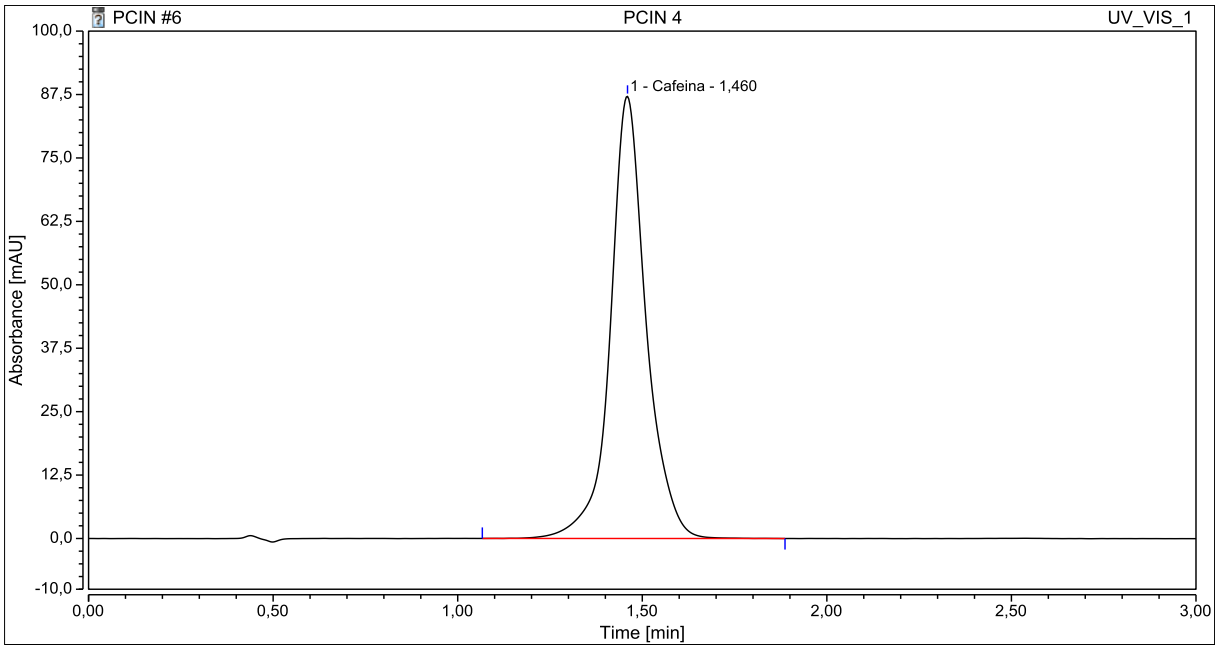
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 4**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:22**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,460	9,8235	87,142	100,00	100,00	n.a.
Total:			**9,824**	**87,142**	**100,000**	**100,000**	

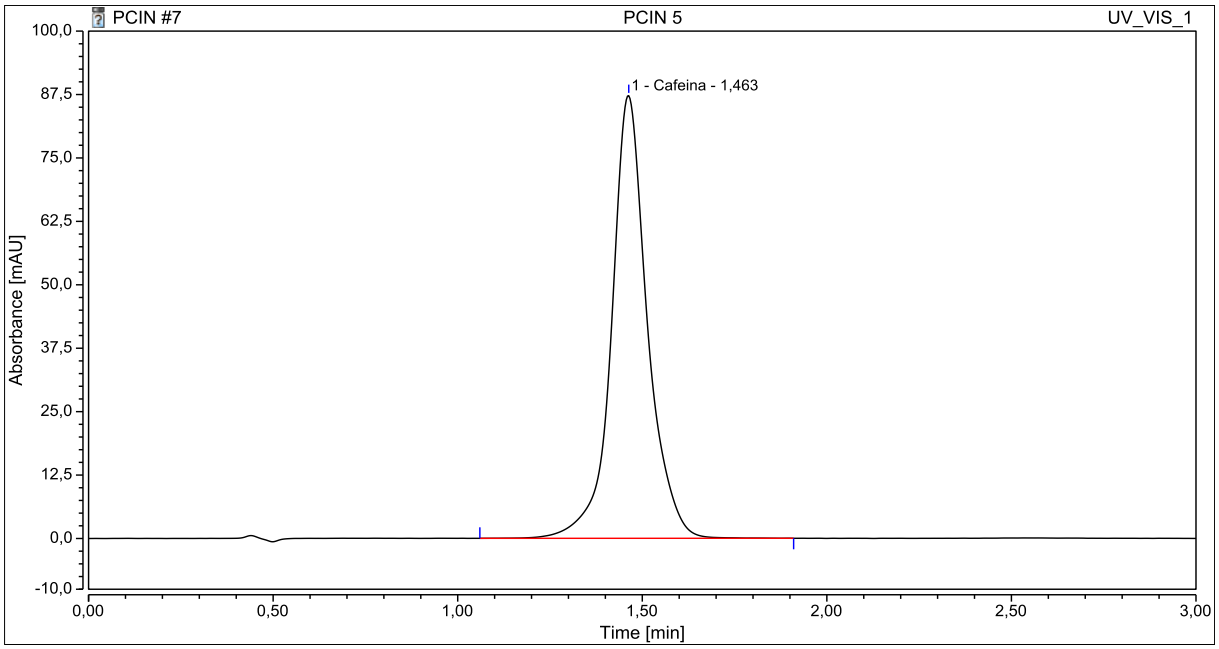
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 5**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:25**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,463	9,8224	87,242	100,00	100,00	n.a.
Total:			**9,822**	**87,242**	**100,000**	**100,000**	

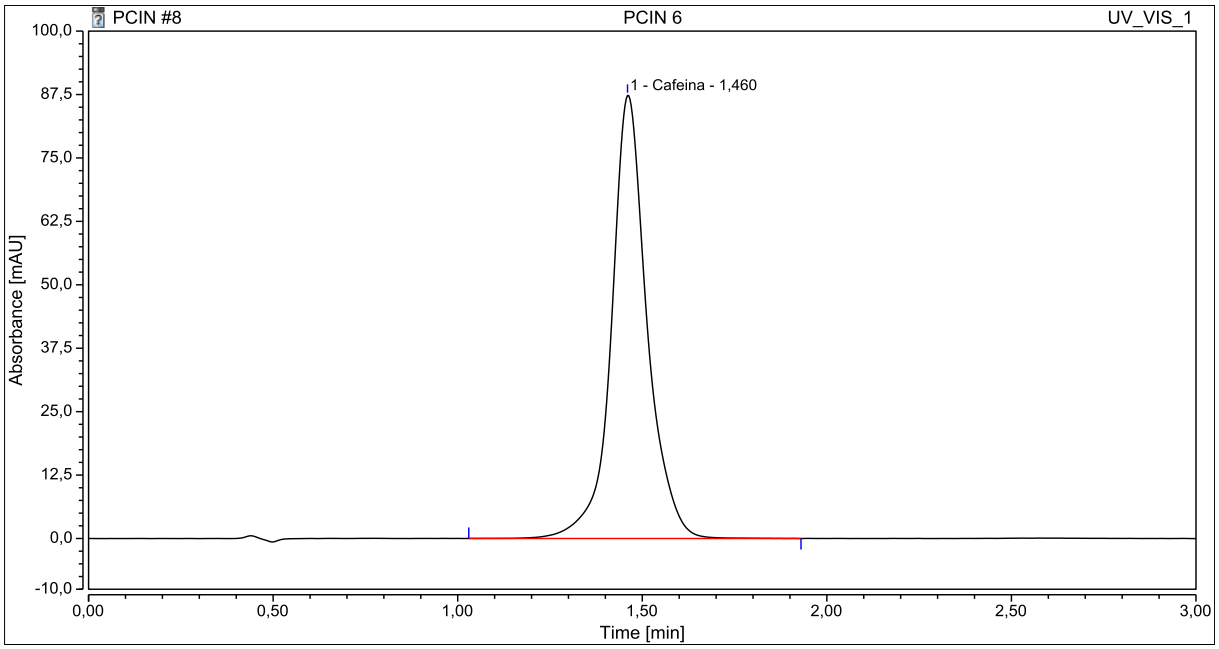
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Chromatogram and Results

Injection Details

Injection Name:	**PCIN 6**	*Run Time (min):*	**3,00**
Vial Number:	**BA2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:29**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,460	9,7908	87,326	100,00	100,00	n.a.
Total:			**9,791**	**87,326**	**100,000**	**100,000**	

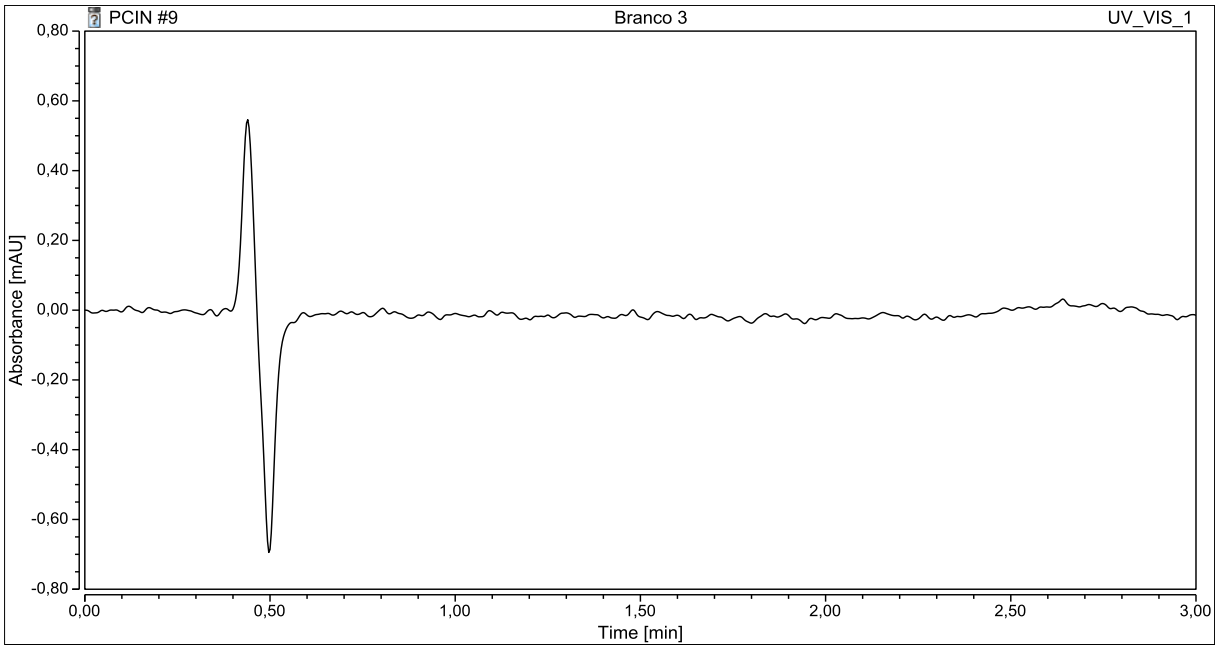
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Chromatogram and Results

Injection Details

Injection Name:	**Branco 3**	*Run Time (min):*	**3,00**
Vial Number:	**BA1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:33**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,000**	**0,000**	

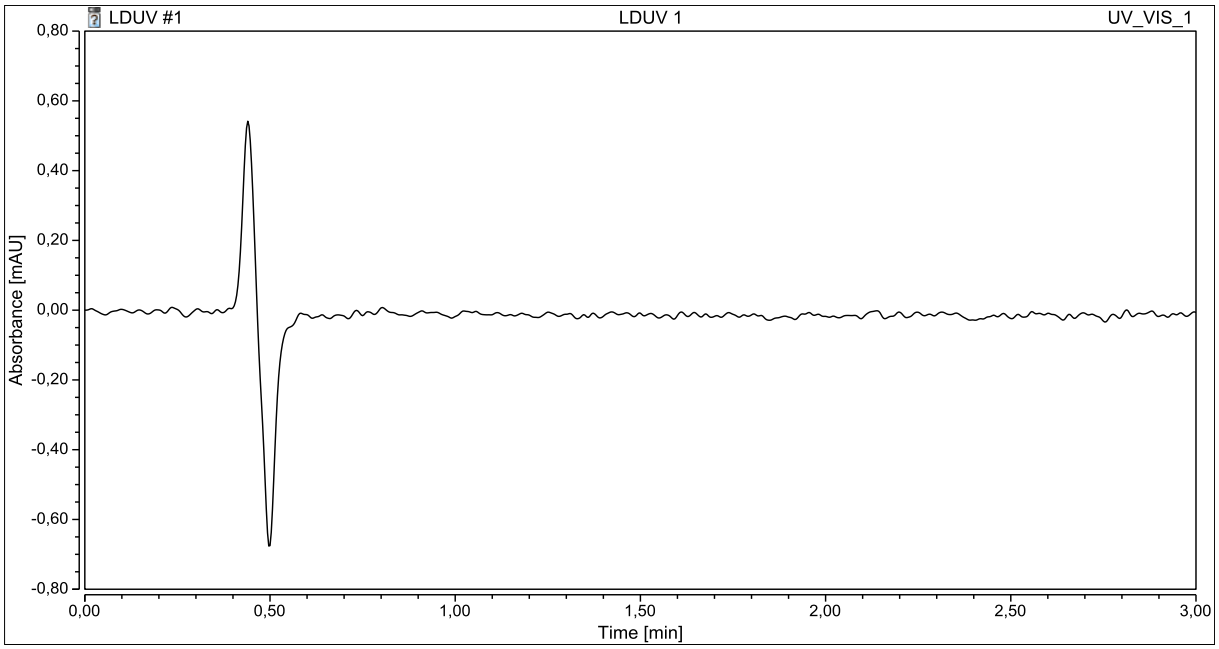
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 1**	*Run Time (min):*	**3,00**
Vial Number:	**BB1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:37**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
n.a.	Cafeina	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total:			**0,000**	**0,000**	**0,000**	**0,000**	

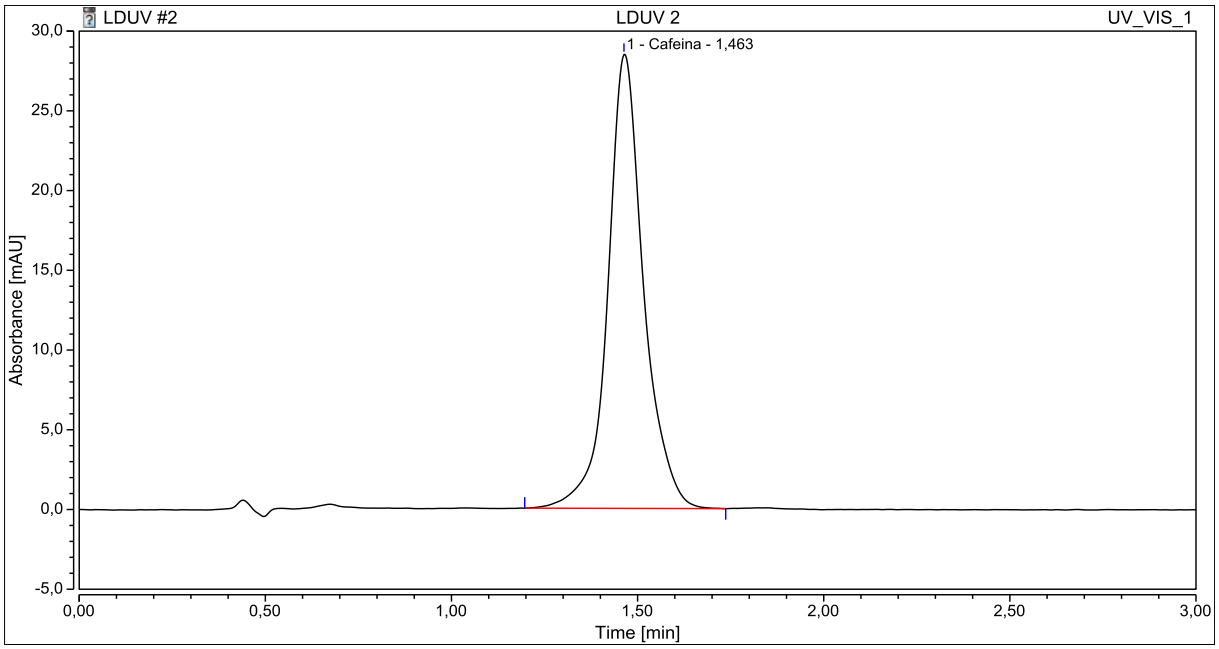
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 2**	*Run Time (min):*	**3,00**
Vial Number:	**BB2**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:41**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,463	3,1706	28,468	100,00	100,00	n.a.
Total:			**3,171**	**28,468**	**100,000**	**100,000**	

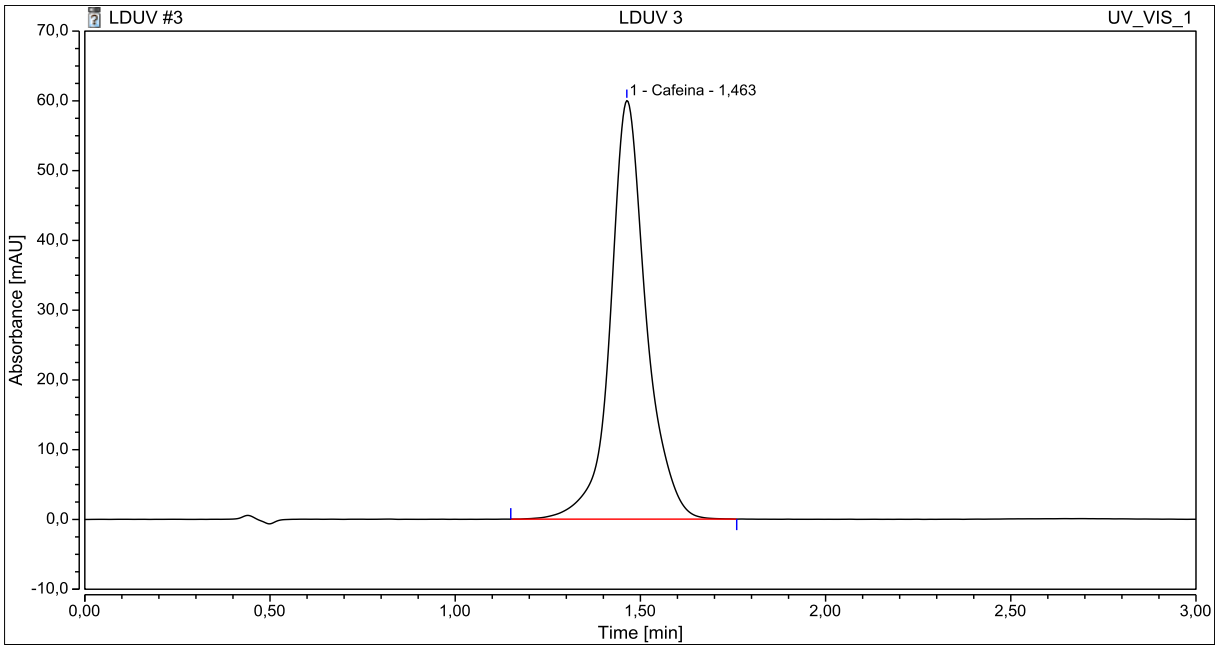
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 3**	*Run Time (min):*	**3,00**
Vial Number:	**BB3**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:45**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,463	6,7380	59,997	100,00	100,00	n.a.
Total:			**6,738**	**59,997**	**100,000**	**100,000**	

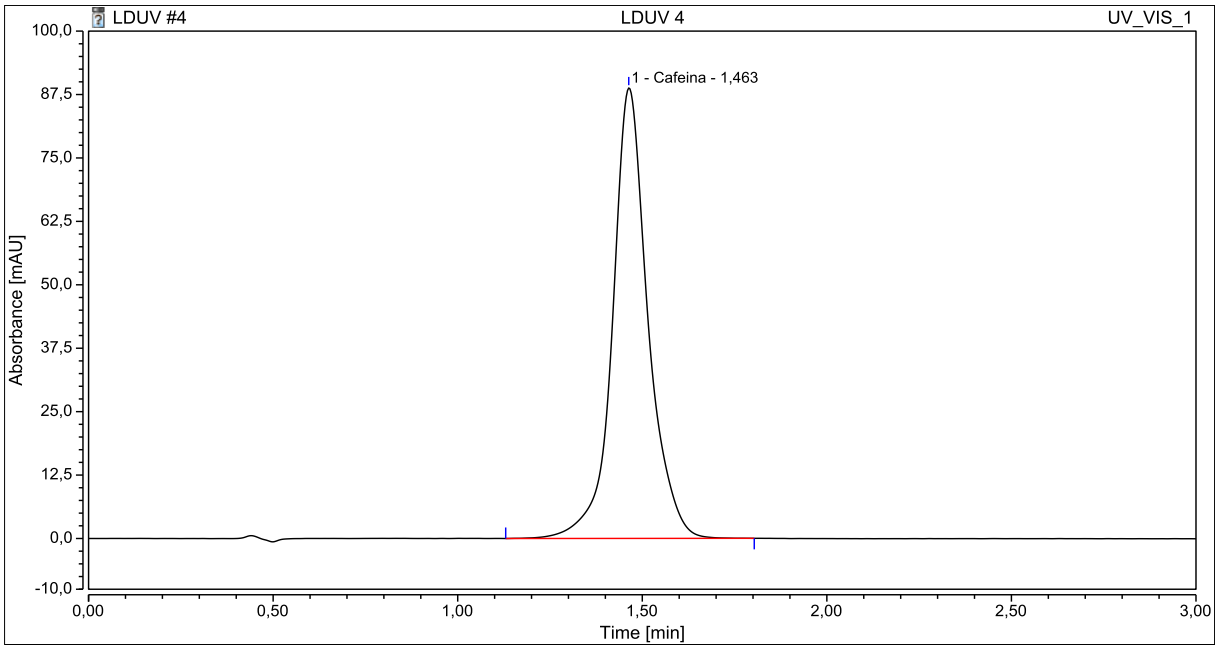
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 4**	*Run Time (min):*	**3,00**
Vial Number:	**BB4**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:49**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,463	9,8827	88,783	100,00	100,00	n.a.
Total:			**9,883**	**88,783**	**100,000**	**100,000**	

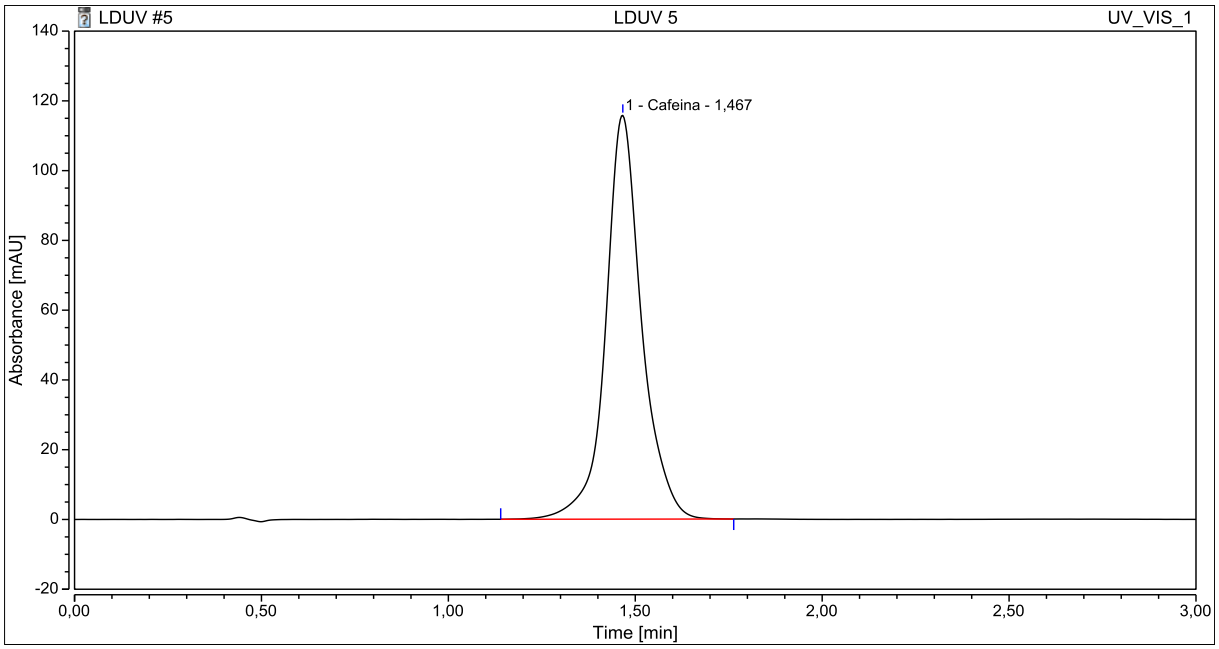
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Chromatogram and Results

Injection Details

Injection Name:	**LDUV 5**	*Run Time (min):*	**3,00**
Vial Number:	**BB5**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 15:52**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,467	12,9130	115,745	100,00	100,00	n.a.
Total:			**12,913**	**115,745**	**100,000**	**100,000**	

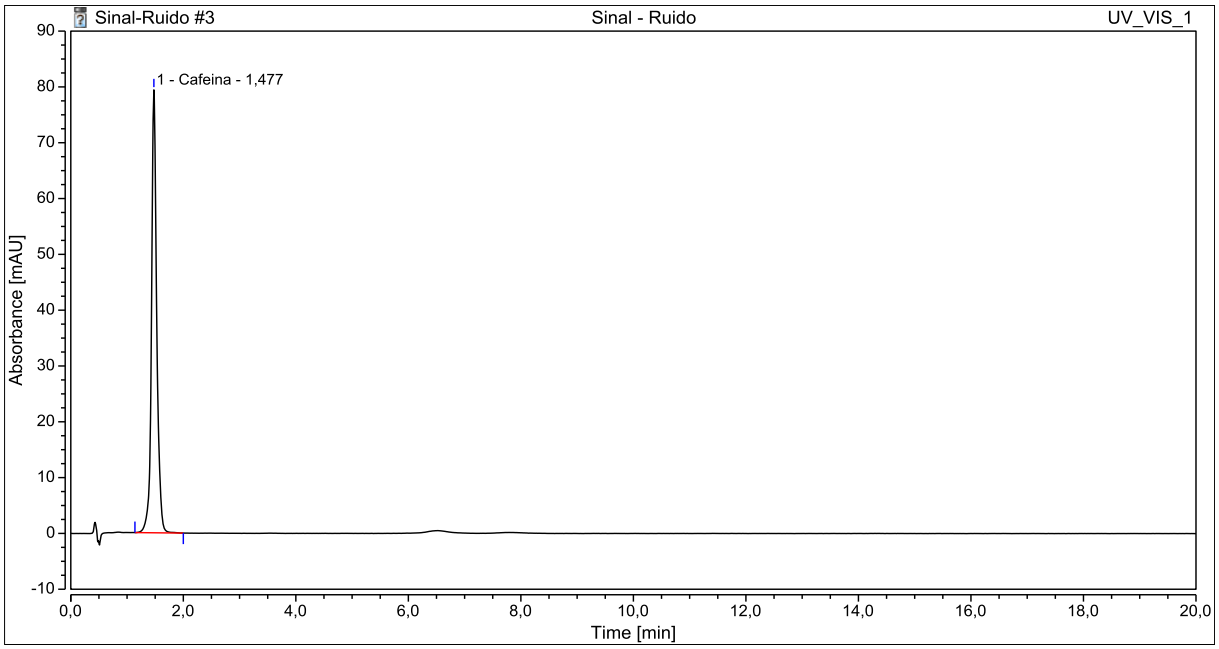
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Chromatogram and Results

Injection Details

Injection Name:	**Sinal - Ruido**	*Run Time (min):*	**20,00**
Vial Number:	**BC1**	*Injection Volume:*	**20,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**250**
Instrument Method:	**Sinal-Ruido**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 16:38**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

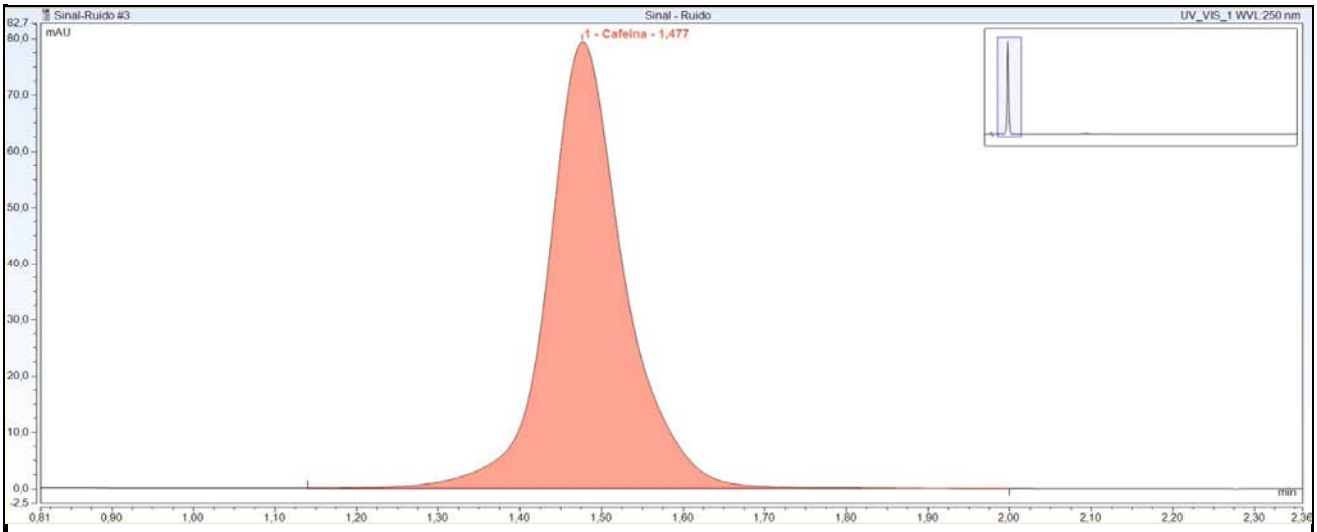
No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,477	8,6035	79,356	100,00	100,00	n.a.
Total:			**8,603**	**79,356**	**100,000**	**100,000**	

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Certificado Nº: 405/24 - RELB	Início da Qualificação: 11/09/2024	Página 1 de 3

Resultado obtido na altura do pico

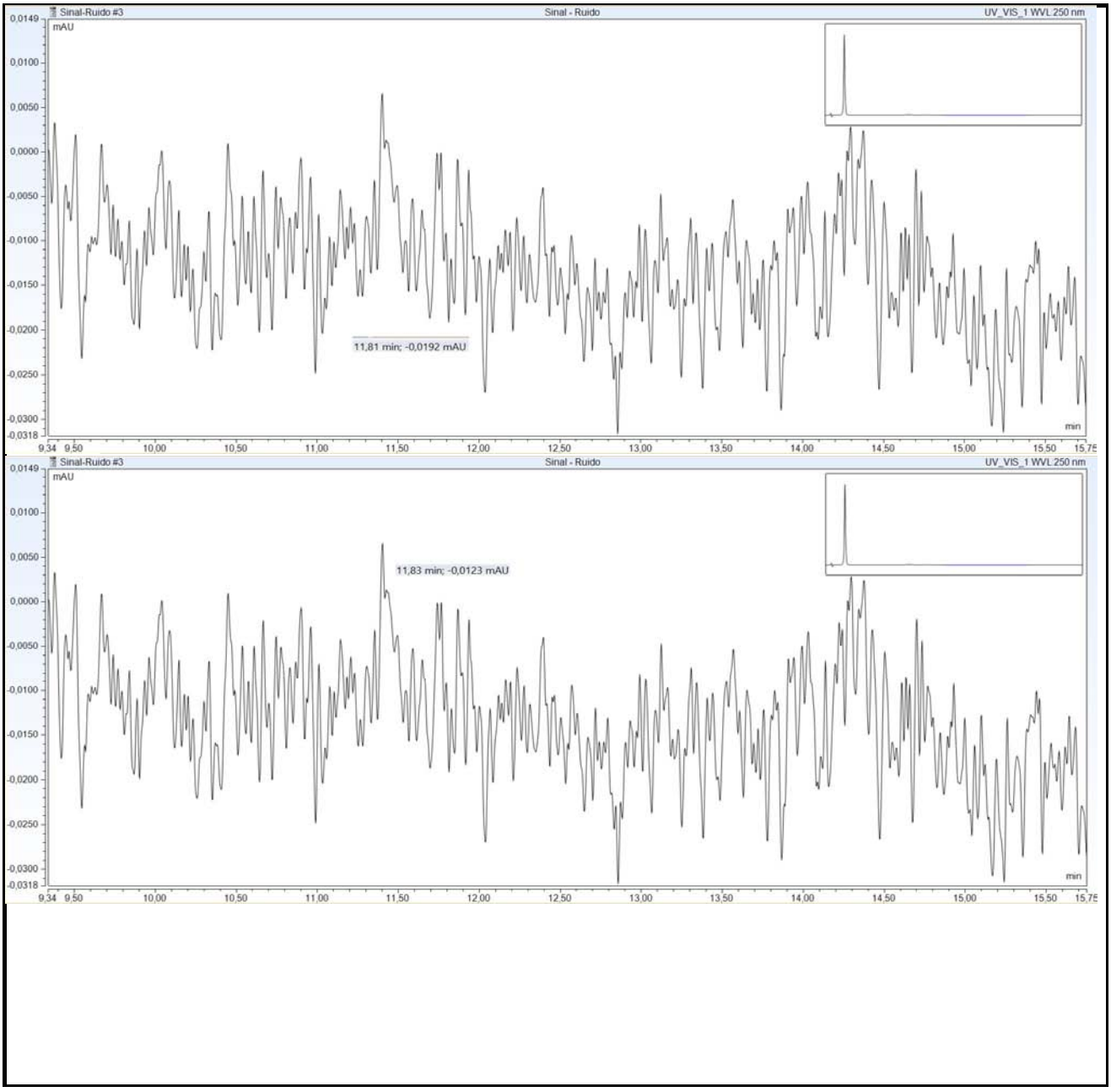
	ALTURA DO PICO (mAU)
Resultado:	79.3560



Resultado obtido no teste de sinal/ruído

Resultado:	Ruído (mAU)
VALOR MÁXIMO:	**-0.0192**
VALOR MÍNIMO:	**-0.0123**

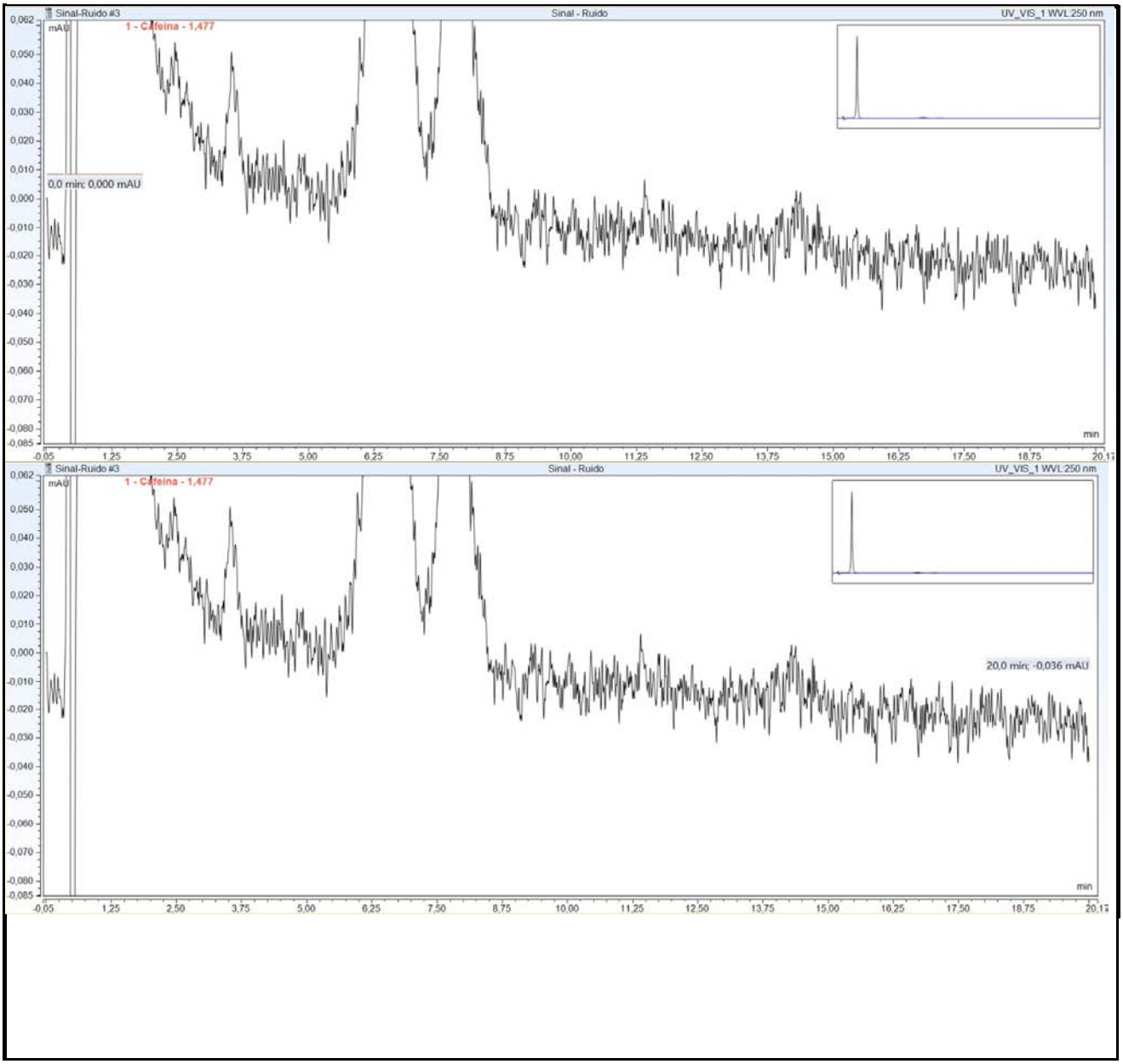
Ruído
-0.0069



Certificado Nº: 405/24 - RELB	Início da Qualificação: 11/09/2024	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:	0.0000	0.1080
VALOR MÍNIMO:	-0.0360	
Resultado:	0.0360	

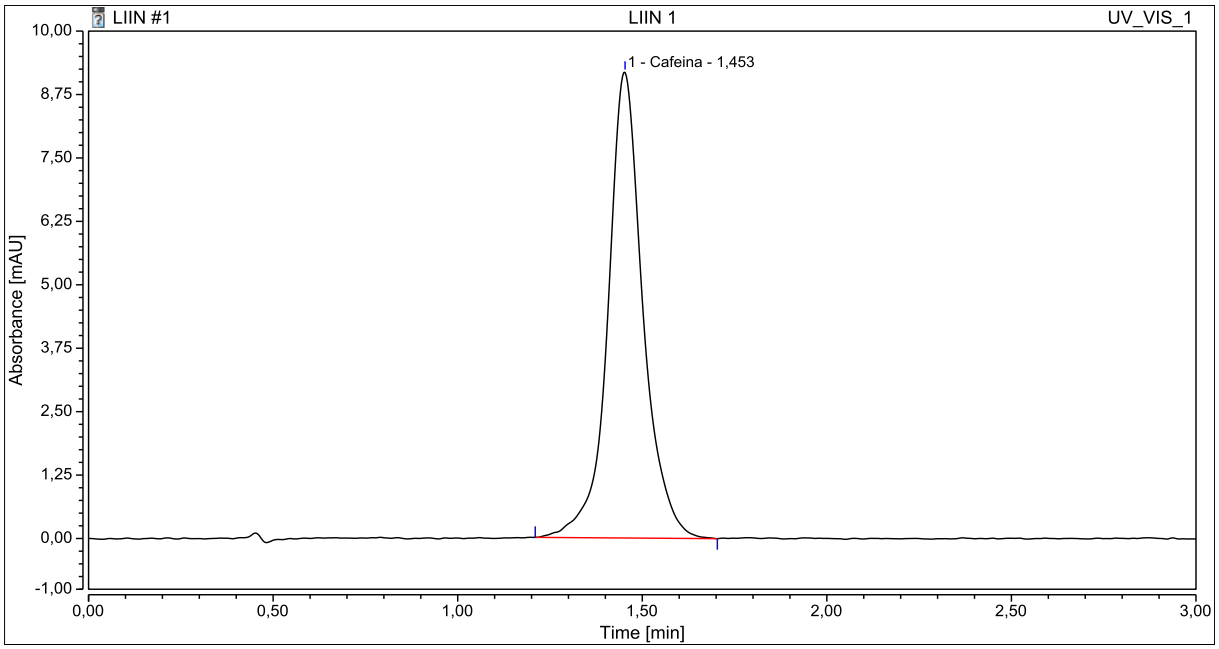


Chromatogram and Results

Injection Details

Injection Name:	**LIIN 1**	*Run Time (min):*	**3,00**
Vial Number:	**BD1**	*Injection Volume:*	**1,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 16:59**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,453	1,0123	9,178	100,00	100,00	n.a.
Total:			**1,012**	**9,178**	**100,000**	**100,000**	

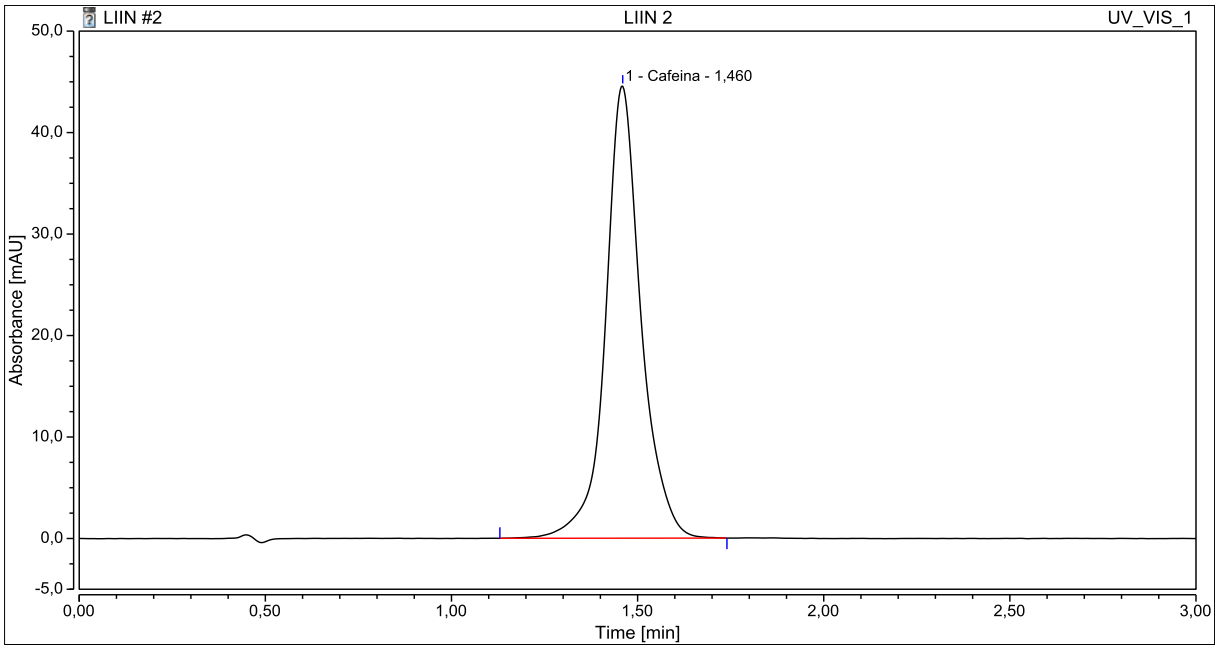
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 2**	*Run Time (min):*	**3,00**
Vial Number:	**BD1**	*Injection Volume:*	**5,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 17:03**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,460	4,9310	44,544	100,00	100,00	n.a.
Total:			**4,931**	**44,544**	**100,000**	**100,000**	

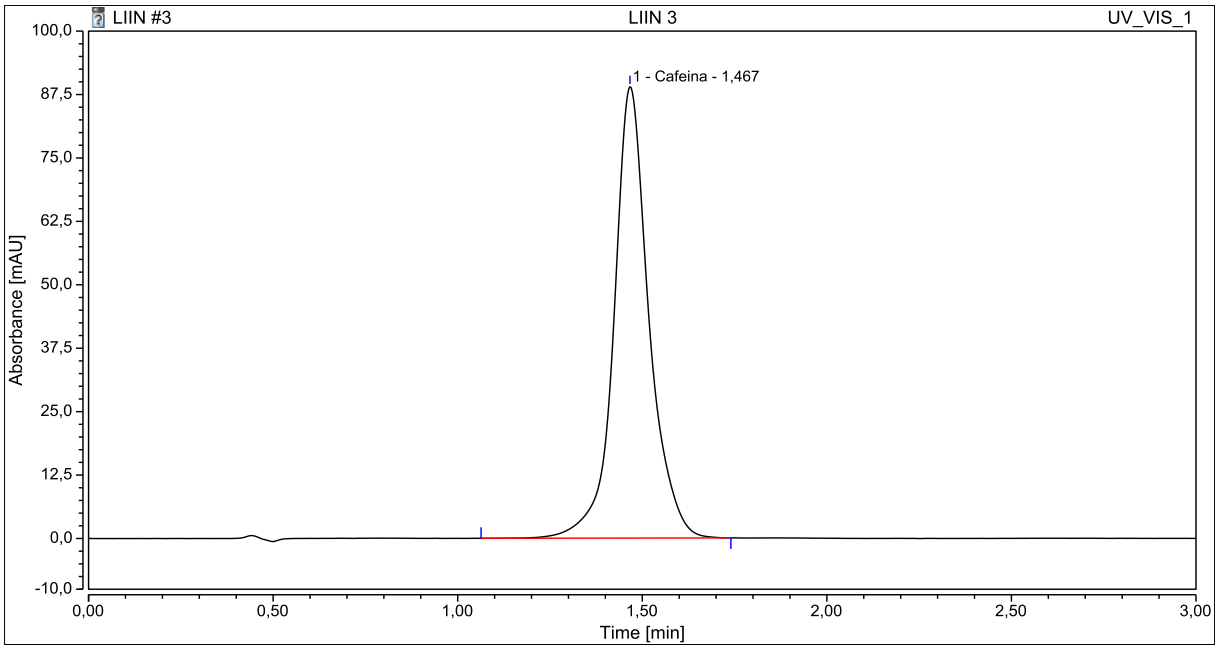
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 3**	*Run Time (min):*	**3,00**
Vial Number:	**BD1**	*Injection Volume:*	**10,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 17:07**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,467	9,7937	88,966	100,00	100,00	n.a.
Total:			**9,794**	**88,966**	**100,000**	**100,000**	

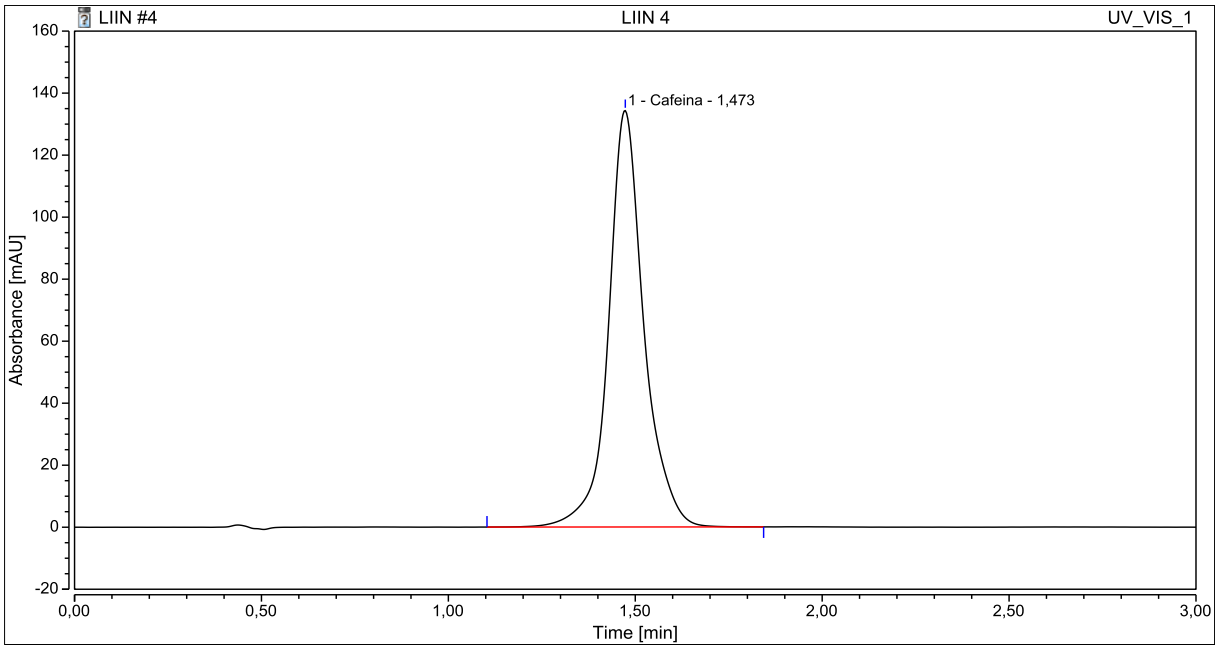
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 4**	*Run Time (min):*	**3,00**
Vial Number:	**BD1**	*Injection Volume:*	**15,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 17:10**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,473	14,7454	134,308	100,00	100,00	n.a.
Total:			**14,745**	**134,308**	**100,000**	**100,000**	

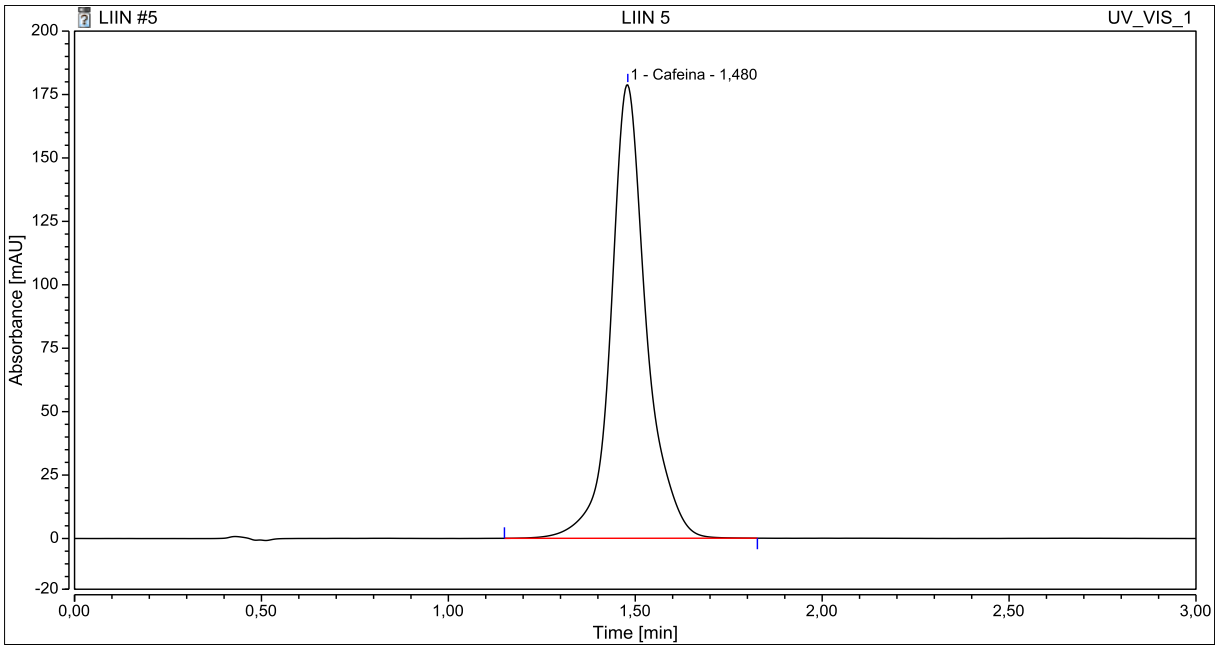
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Chromatogram and Results

Injection Details

Injection Name:	**LIIN 5**	*Run Time (min):*	**3,00**
Vial Number:	**BD1**	*Injection Volume:*	**20,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Qualificação**	*Bandwidth:*	**3**
Processing Method:	**Qualificação**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**11/set/24 17:14**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	Cafeina	1,480	19,6253	178,721	100,00	100,00	n.a.
Total:			**19,625**	**178,721**	**100,000**	**100,000**	

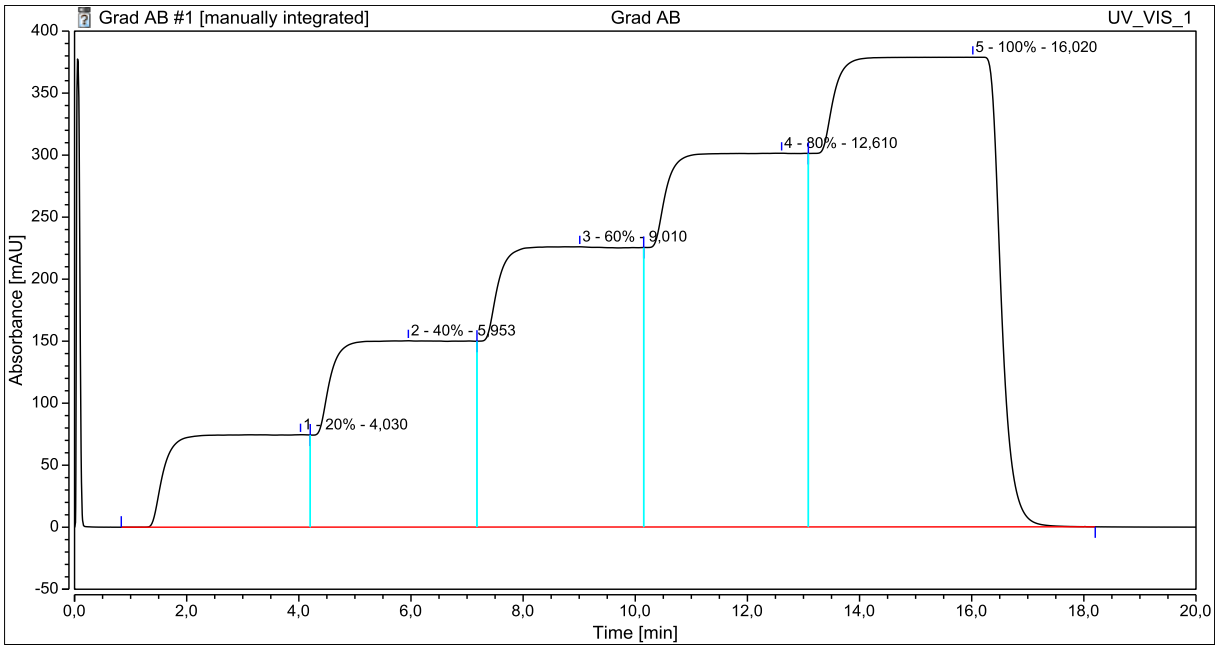
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Chromatogram and Results

Injection Details

Injection Name:	**Grad AB**	*Run Time (min):*	**20,00**
Vial Number:	**BA1**	*Injection Volume:*	**0,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Grad AB**	*Bandwidth:*	**3**
Processing Method:	**Gradiente**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**12/set/24 09:32**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	20%	4,030	194,8172	74,527	5,75	6,59	n.a.
2	40%	5,953	419,2351	150,240	12,37	13,29	n.a.
3	60%	9,010	642,6857	225,953	18,97	19,98	n.a.
4	80%	12,610	854,3613	301,313	25,22	26,65	n.a.
5	100%	16,020	1277,1363	378,631	37,69	33,49	n.a.
Total:			**3388,236**	**1130,664**	**100,000**	**100,000**	

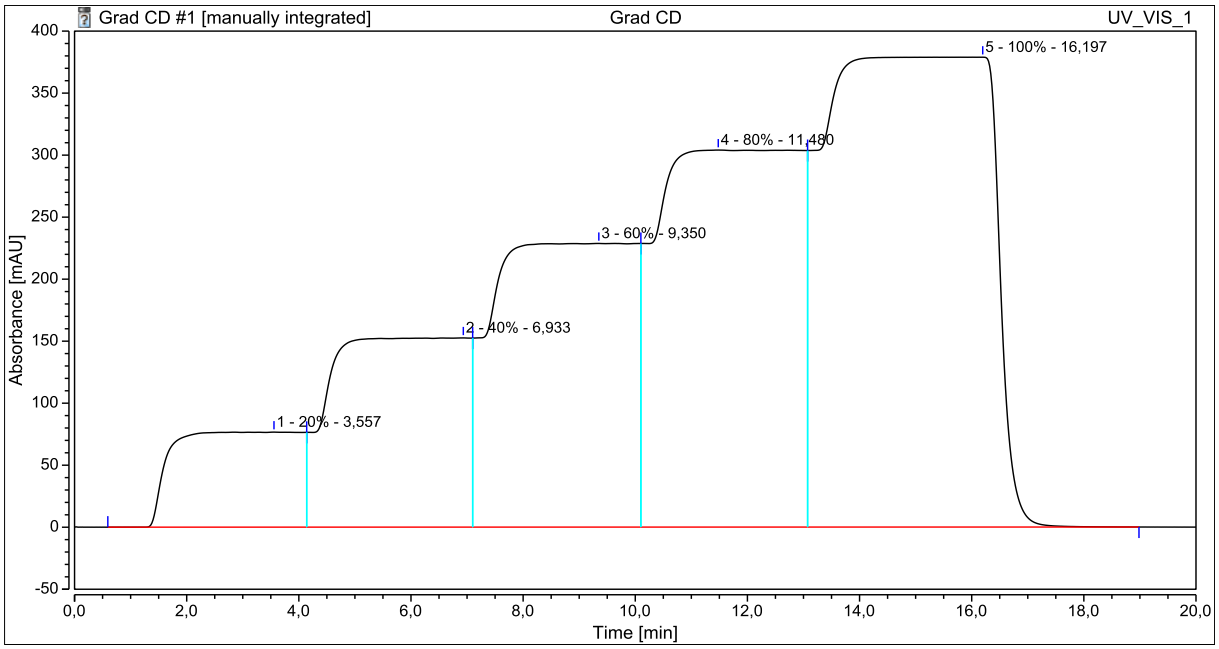
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Chromatogram and Results

Injection Details

Injection Name:	**Grad CD**	*Run Time (min):*	**20,00**
Vial Number:	**BA1**	*Injection Volume:*	**0,00**
Injection Type:	**Unknown**	*Channel:*	**UV_VIS_1**
Calibration Level:		*Wavelength:*	**273**
Instrument Method:	**Grad CD**	*Bandwidth:*	**3**
Processing Method:	**Gradiente**	*Dilution Factor:*	**1,0000**
Injection Date/Time:	**12/set/24 09:59**	*Sample Weight:*	**1,0000**

Chromatogram



Integration Results

No.	Peakname	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount
1	20%	3,557	195,6207	76,617	5,72	6,72	n.a.
2	40%	6,933	418,9356	152,550	12,25	13,37	n.a.
3	60%	9,350	651,3844	228,703	19,05	20,05	n.a.
4	80%	11,480	869,9961	303,985	25,44	26,65	n.a.
5	100%	16,197	1283,3356	378,827	37,53	33,21	n.a.
Total:			**3419,272**	**1140,682**	**100,000**	**100,000**	

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