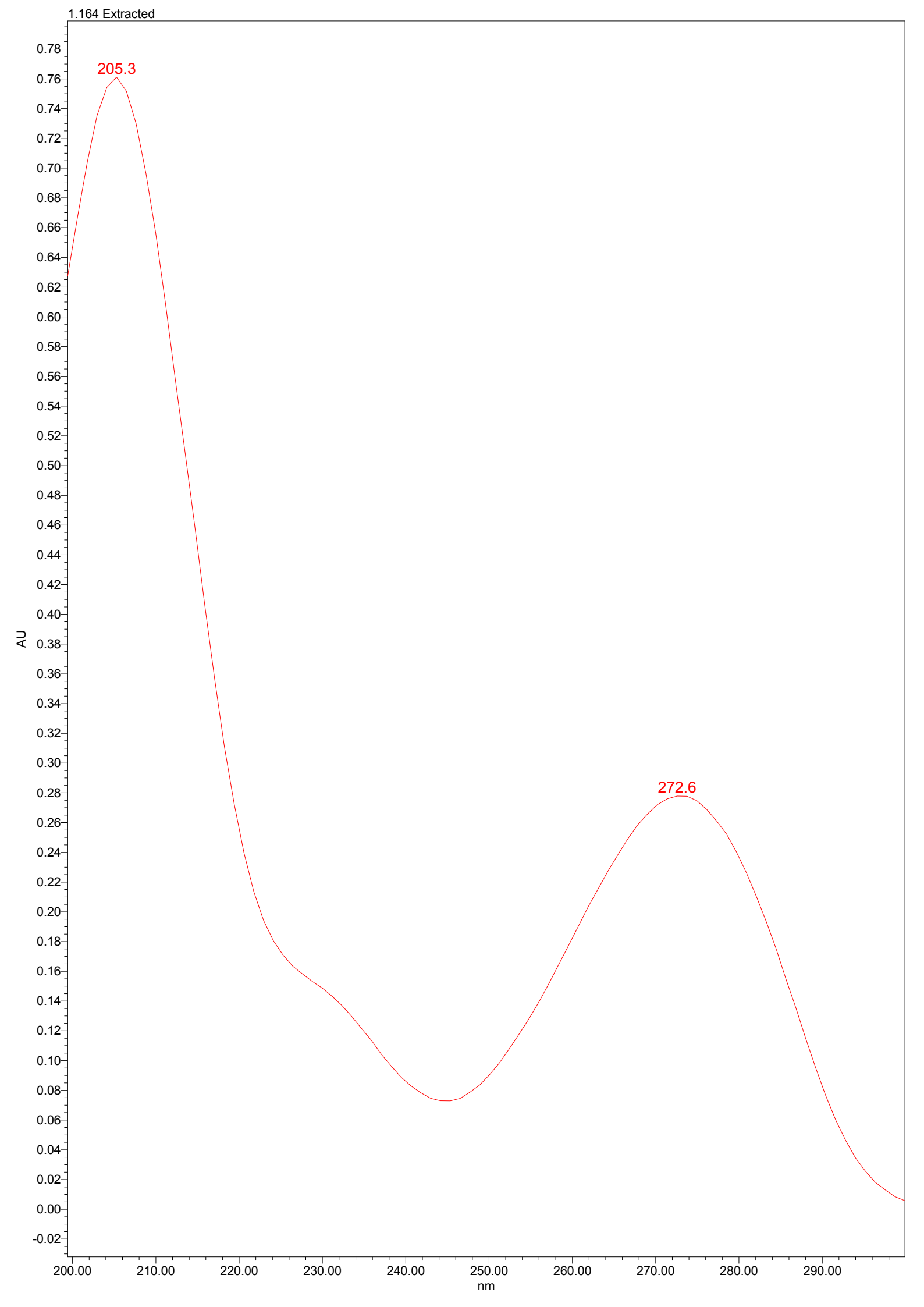

1.164 Extracted
205.3
272.6
AU
nm
0.78
0.76
0.74
0.72
0.70
0.68
0.66
0.64
0.62
0.60
0.58
0.56
0.54
0.52
0.50
0.48
0.46
0.44
0.42
0.40
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
200.00
210.00
220.00
230.00
240.00
250.00
260.00
270.00
280.00
290.00

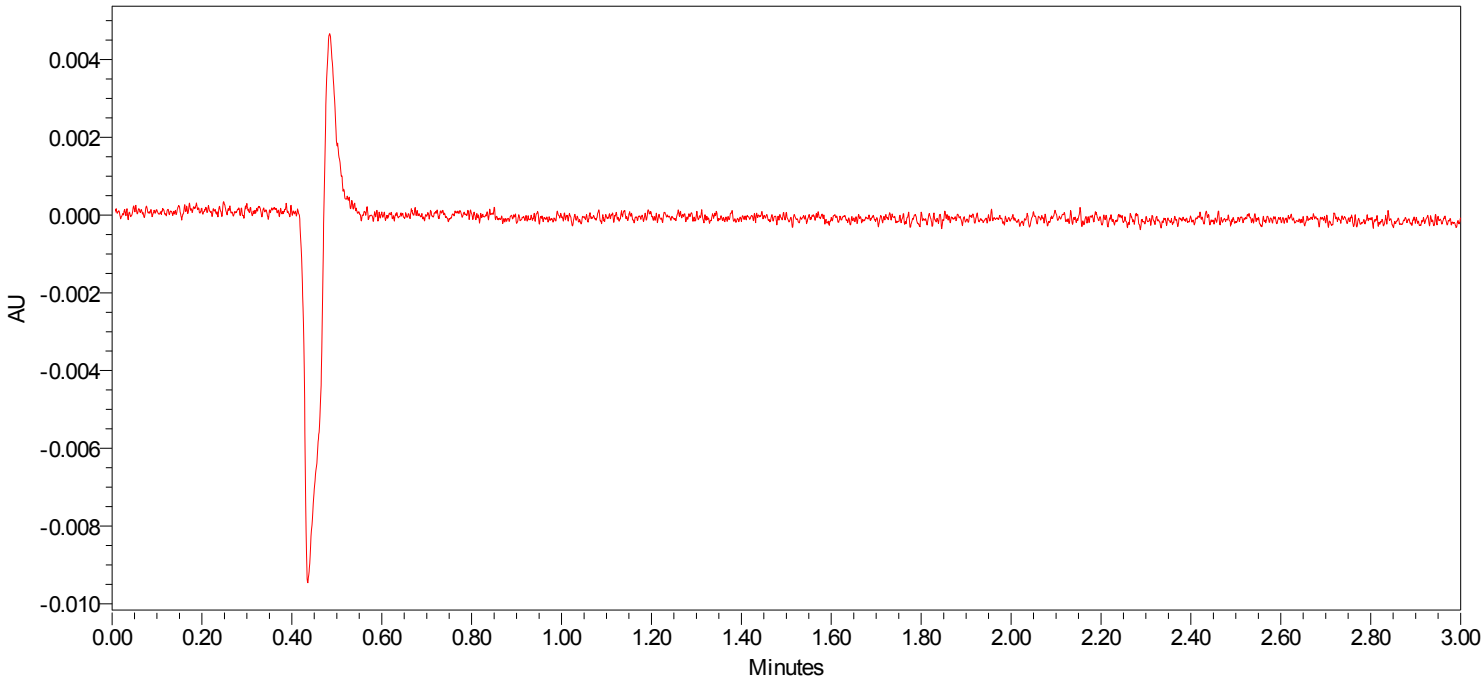
PDA Spectrum at 1.164 minutes

	Wavelength (nm)	Absorbance (au)
1	199.41	0.62757
2	200.59	0.66682
3	201.76	0.70399
4	202.94	0.73526
5	204.11	0.75425
6	205.29	0.76117
7	206.46	0.75174
8	207.64	0.72985
9	208.81	0.69641
10	209.99	0.65595
11	211.16	0.60889
12	212.34	0.55767
13	213.51	0.50835
14	214.69	0.45870
15	215.87	0.40644
16	217.04	0.35700
17	218.22	0.31153
18	219.40	0.27277
19	220.58	0.23972
20	221.75	0.21357
21	222.93	0.19433
22	224.11	0.18058
23	225.29	0.17085
24	226.47	0.16334
25	227.64	0.15807
26	228.82	0.15302
27	230.00	0.14855
28	231.18	0.14316
29	232.36	0.13697
30	233.54	0.12948
31	234.72	0.12139
32	235.90	0.11341
33	237.08	0.10421
34	238.26	0.09626
35	239.44	0.08888
36	240.62	0.08298
37	241.80	0.07841
38	242.99	0.07463
39	244.17	0.07302
40	245.35	0.07294
41	246.53	0.07458
42	247.71	0.07877
43	248.89	0.08362
44	250.08	0.09068
45	251.26	0.09856
46	252.44	0.10804
47	253.63	0.11792
48	254.81	0.12826
49	255.99	0.13949
50	257.17	0.15163
51	258.36	0.16453
52	259.54	0.17746
53	260.73	0.19048
54	261.91	0.20348
55	263.10	0.21536
56	264.28	0.22749
57	265.47	0.23837
58	266.65	0.24895
59	267.84	0.25847
60	269.02	0.26575
61	270.21	0.27203
62	271.39	0.27594
63	272.58	0.27781
64	273.77	0.27771
65	274.95	0.27471
66	276.14	0.26878
67	277.32	0.26100
68	278.51	0.25221
69	279.70	0.24018
70	280.89	0.22641
71	282.07	0.21053
72	283.26	0.19349
73	284.45	0.17534
74	285.64	0.15475
75	286.83	0.13558
76	288.01	0.11473
77	289.20	0.09534
78	290.39	0.07676
79	291.58	0.06033
80	292.77	0.04678
81	293.96	0.03482
82	295.15	0.02582
83	296.34	0.01830
84	297.53	0.01316
85	298.72	0.00852
86	299.91	0.00581

SAMPLE INFORMATION

Sample Name:	Branco 1	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:14:36 PM BRT		
Date Processed:	25-Aug-25 1:54:54 PM BRT		

Auto-Scaled Chromatogram



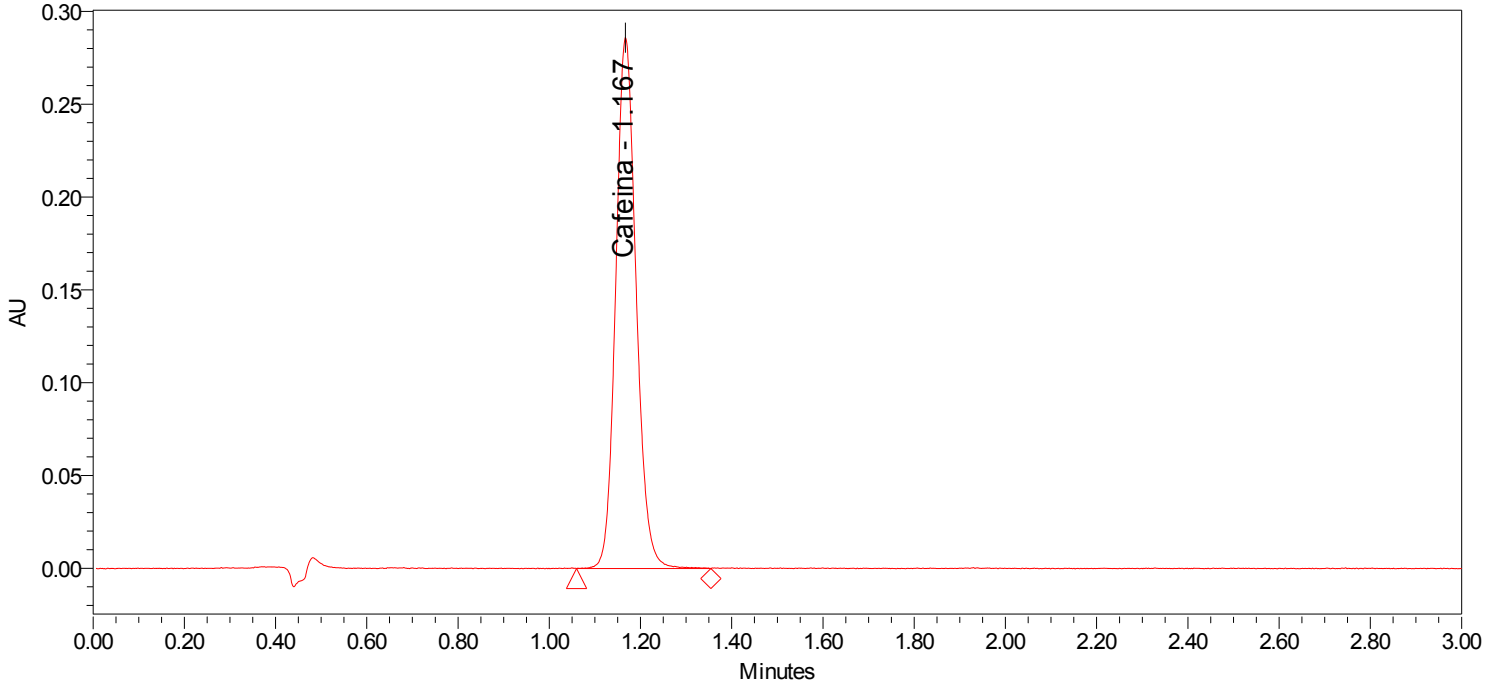
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167				

SAMPLE INFORMATION

Sample Name:	PCIN 1	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	2	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:18:29 PM BRT		
Date Processed:	25-Aug-25 1:55:08 PM BRT		

Auto-Scaled Chromatogram



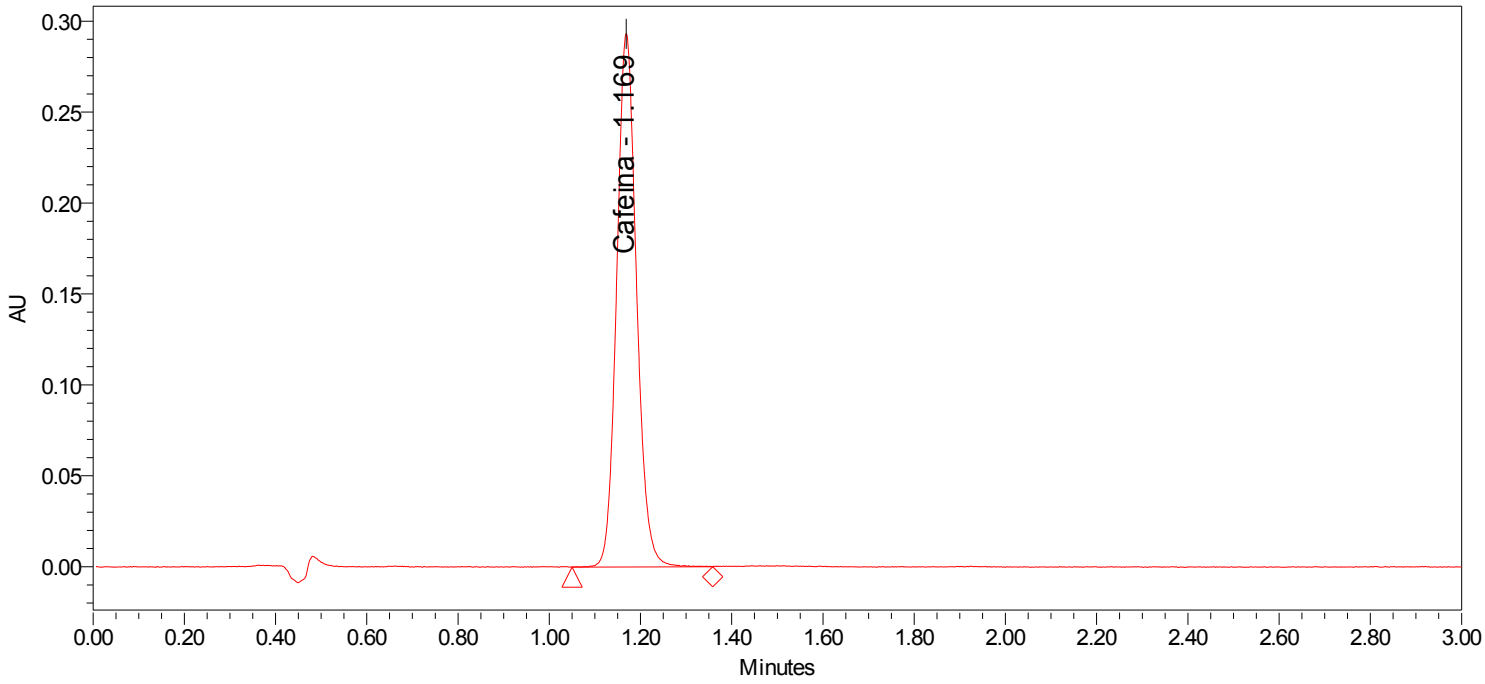
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167	887701	286006		

SAMPLE INFORMATION

Sample Name:	PCIN 2	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	2	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:22:22 PM BRT		
Date Processed:	25-Aug-25 1:55:15 PM BRT		

Auto-Scaled Chromatogram



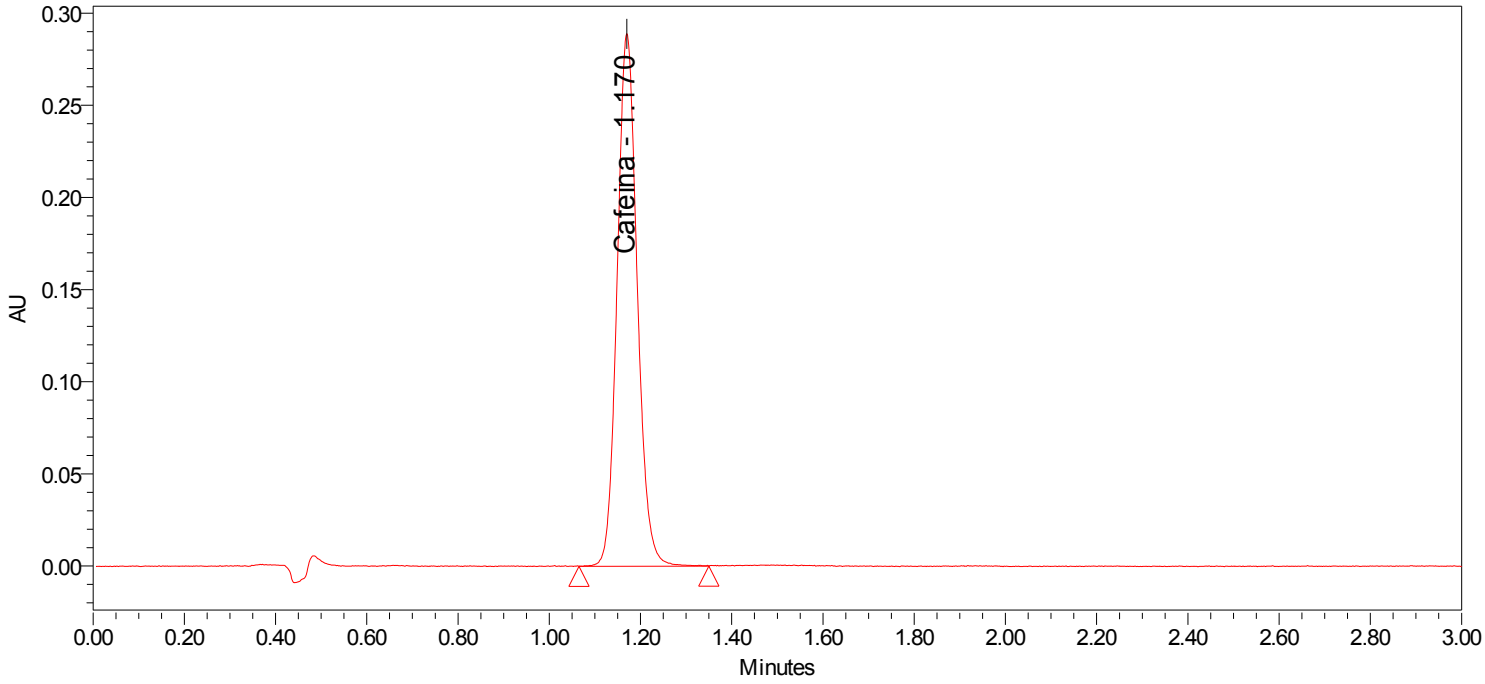
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.169	886210	293308		

SAMPLE INFORMATION

Sample Name:	PCIN 3	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	2	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:26:14 PM BRT		
Date Processed:	25-Aug-25 1:55:23 PM BRT		

Auto-Scaled Chromatogram



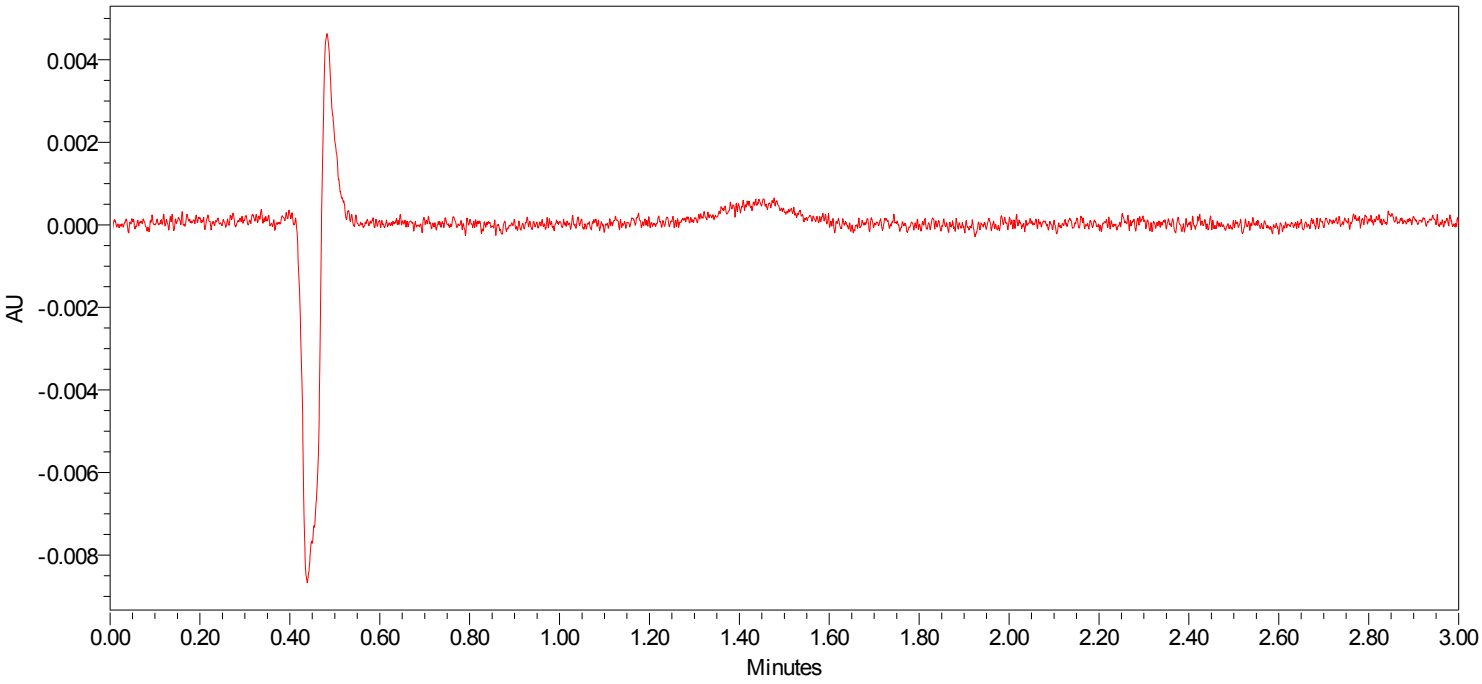
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.170	884009	288893		

SAMPLE INFORMATION

Sample Name:	Branco 2	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:30:10 PM BRT		
Date Processed:	25-Aug-25 1:55:33 PM BRT		

Auto-Scaled Chromatogram



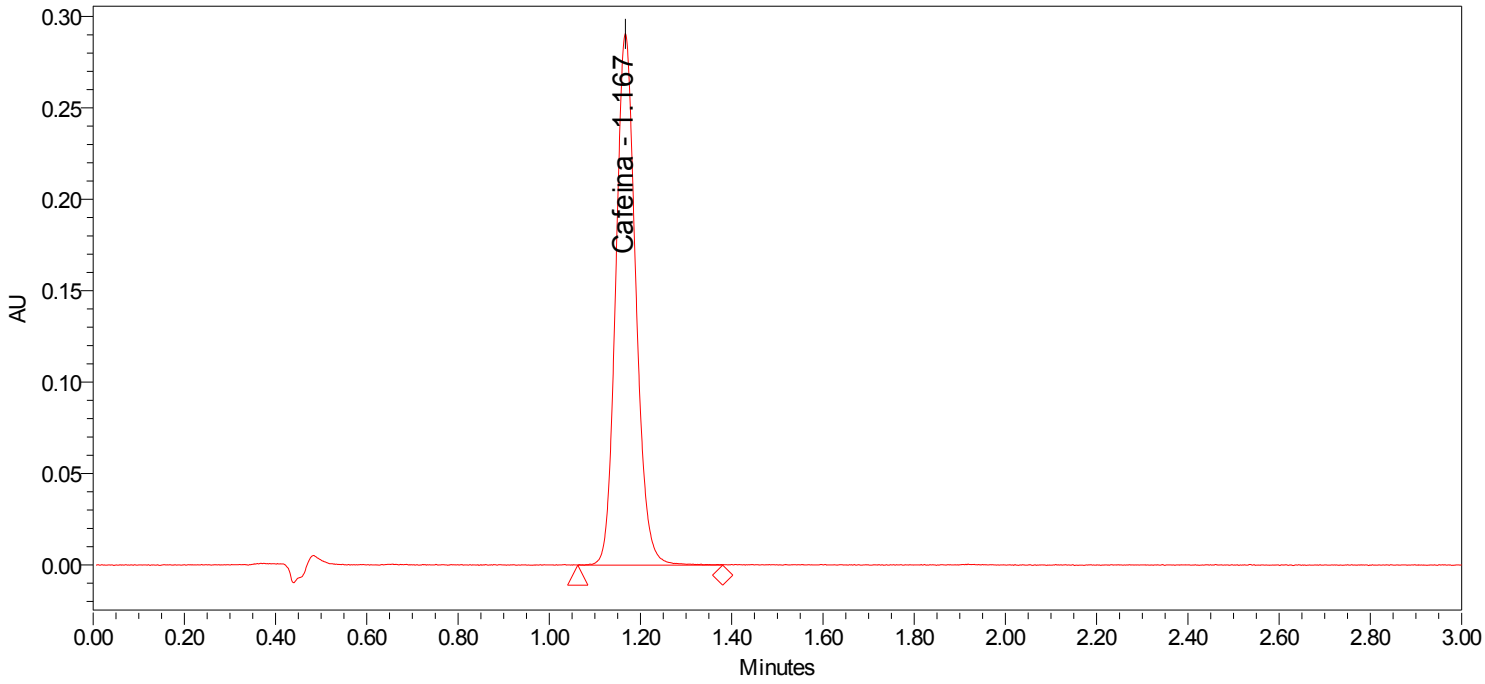
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167				

SAMPLE INFORMATION

Sample Name:	PCIN 4	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	2	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:34:02 PM BRT		
Date Processed:	25-Aug-25 1:55:40 PM BRT		

Auto-Scaled Chromatogram



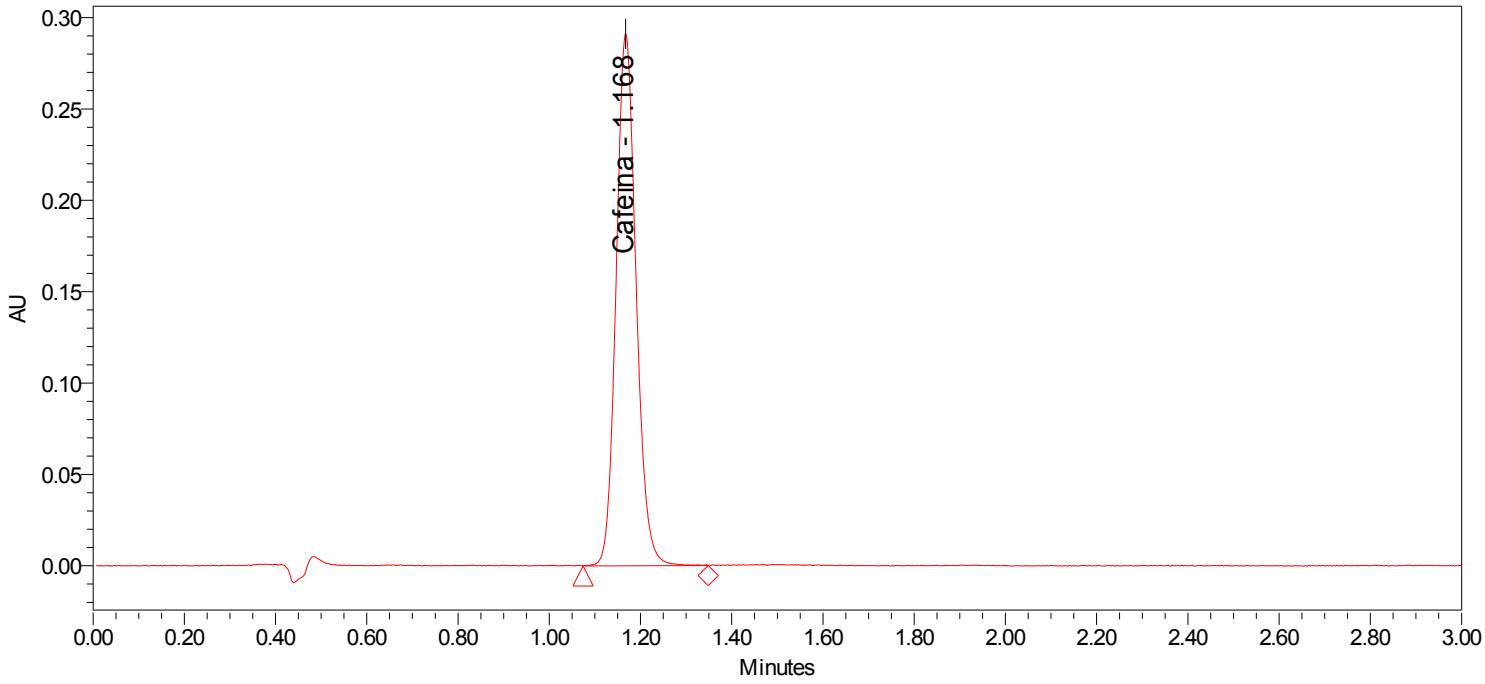
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167	885953	290706		

SAMPLE INFORMATION

Sample Name:	PCIN 5	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	2	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:37:54 PM BRT		
Date Processed:	25-Aug-25 1:55:51 PM BRT		

Auto-Scaled Chromatogram



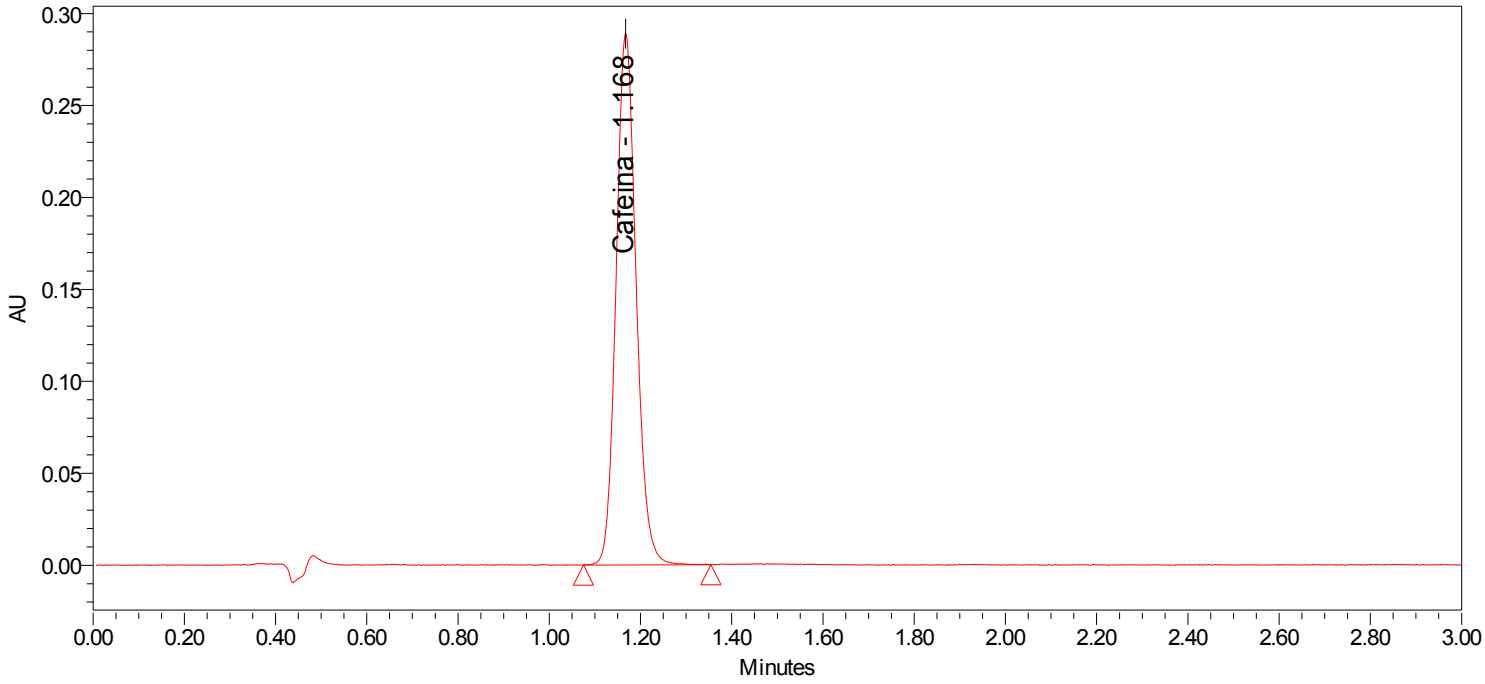
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.168	884411	291153		

SAMPLE INFORMATION

Sample Name:	PCIN 6	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	2	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:41:46 PM BRT		
Date Processed:	25-Aug-25 1:55:59 PM BRT		

Auto-Scaled Chromatogram



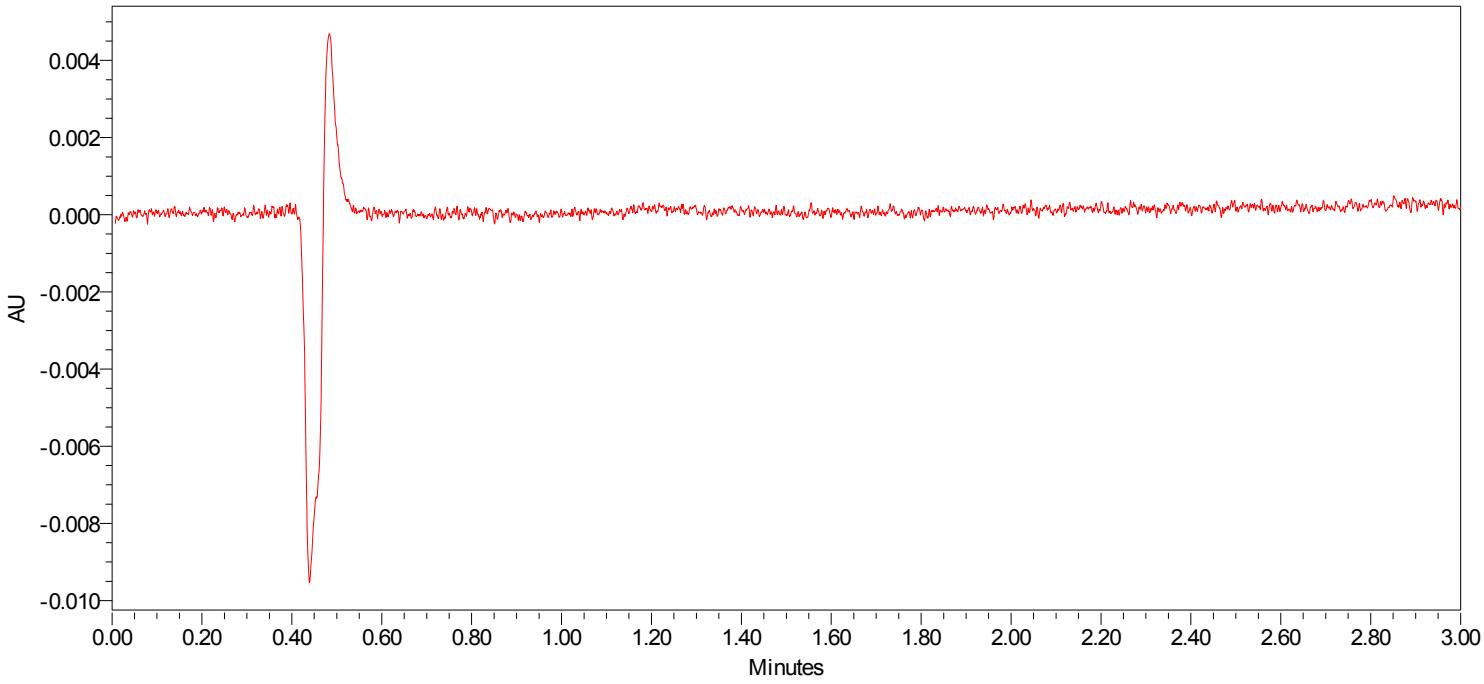
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.168	880960	288890		

SAMPLE INFORMATION

Sample Name:	Branco 3	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	PCIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:47:19 PM BRT		
Date Processed:	25-Aug-25 1:56:05 PM BRT		

Auto-Scaled Chromatogram



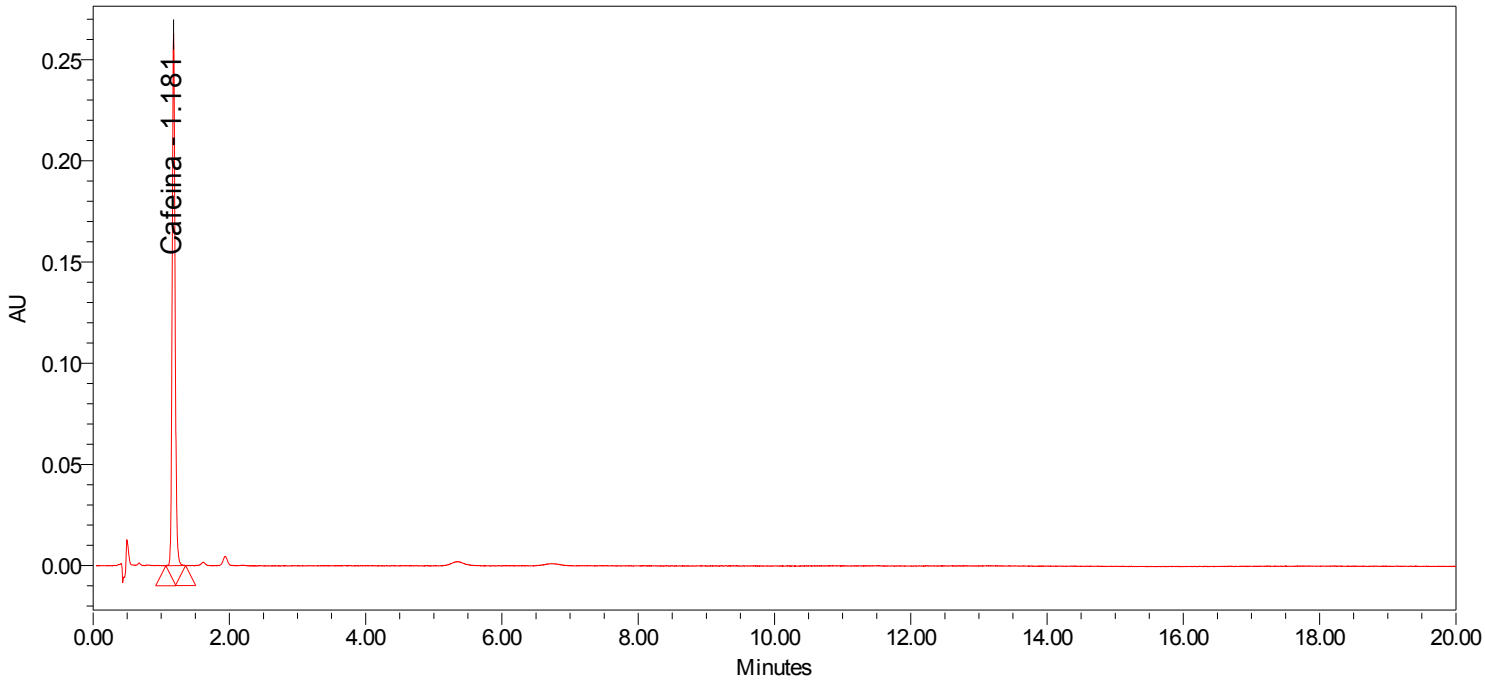
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167				

SAMPLE INFORMATION

Sample Name:	Sinal-Ruido	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	SinalRuido
Vial:	1	Acq. Method Set:	Qualificação_Sinal_Ruido
Injection #:	1	Processing Method	Qualificação
Injection Volume:	20.00 ul	Channel Name:	2998 Ch1 250nm@4.8nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 250nm@4.8nm
Date Acquired:	25-Aug-25 2:58:46 PM BRT		
Date Processed:	25-Aug-25 3:25:56 PM BRT		

Auto-Scaled Chromatogram



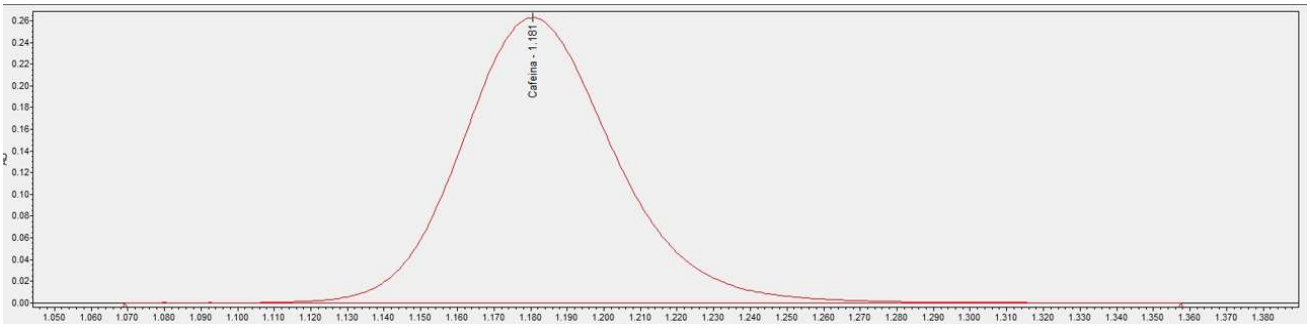
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.181	770038	262810		

Certificado Nº: 400/25 - RELB	Início da Qualificação: 25/08/2025	Página 1 de 3	

Resultado obtido na altura do pico

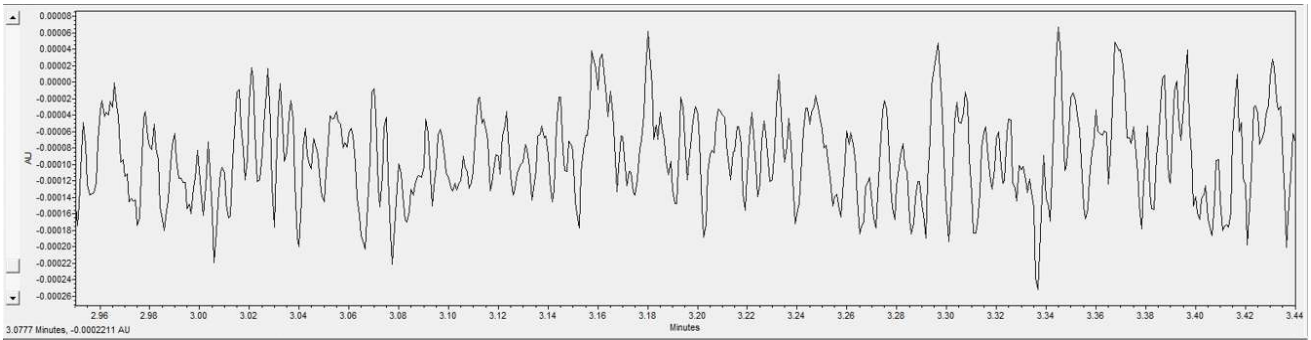
	ALTURA DO PICO (mAU)
Resultado:	262,810

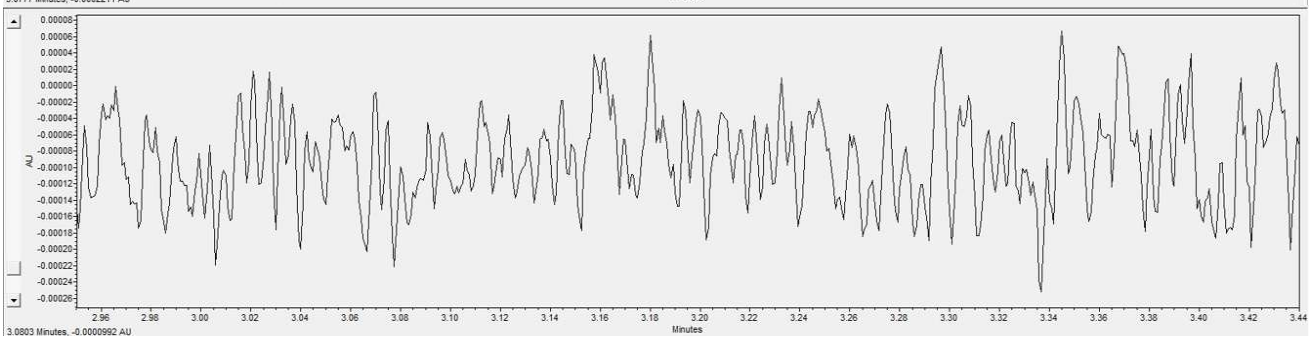


Certificado Nº: 400/25 - RELB	Início da Qualificação: 25/08/2025	Página 2 de 3

Resultado obtido no teste de sinal/ruído

Resultado:	Ruído (mAU)
VALOR MÁXIMO:	0,2211
VALOR MÍNIMO:	0,0992
	Ruído
	0,1219

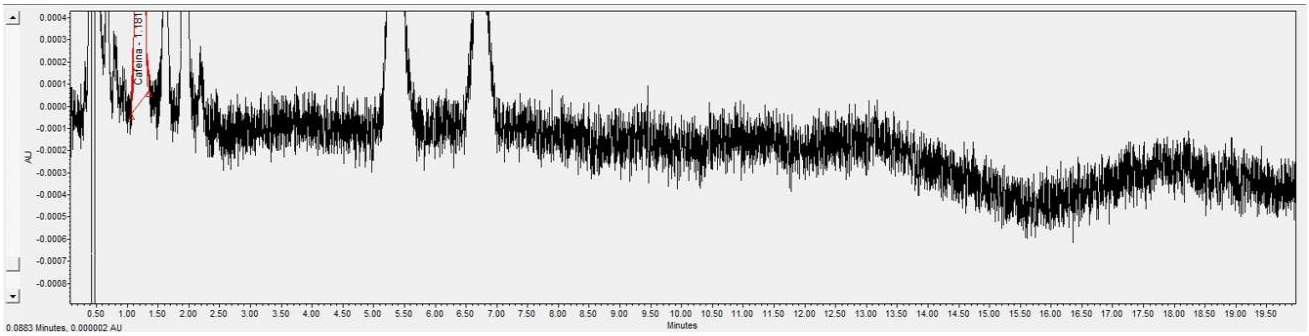


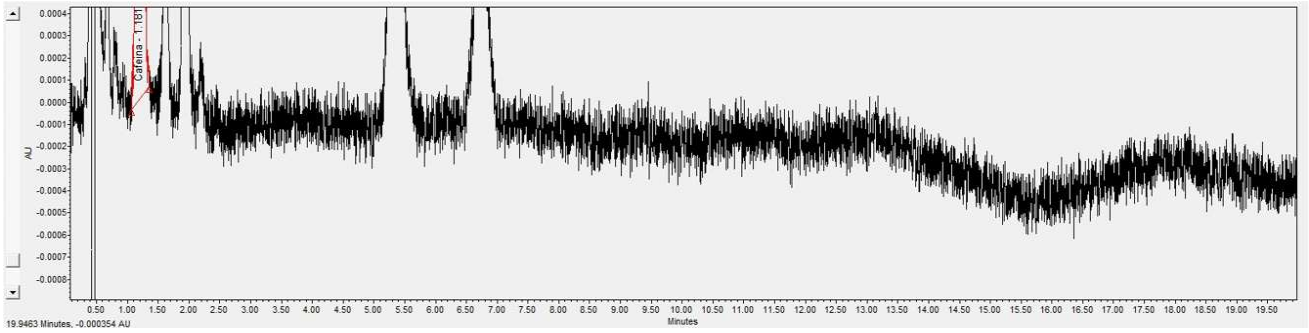


Certificado Nº: 400/25 - RELB	Início da Qualificação: 25/08/2025	Página 3 de 3

Resultado obtido no teste estabilidade da linha de base

Estabilidade da Linha de Base	Diferença 20 min	Diferença 60 min
VALOR MÁXIMO:	0,354	1,0560
VALOR MÍNIMO:	0,002	
Resultado:	0,352	

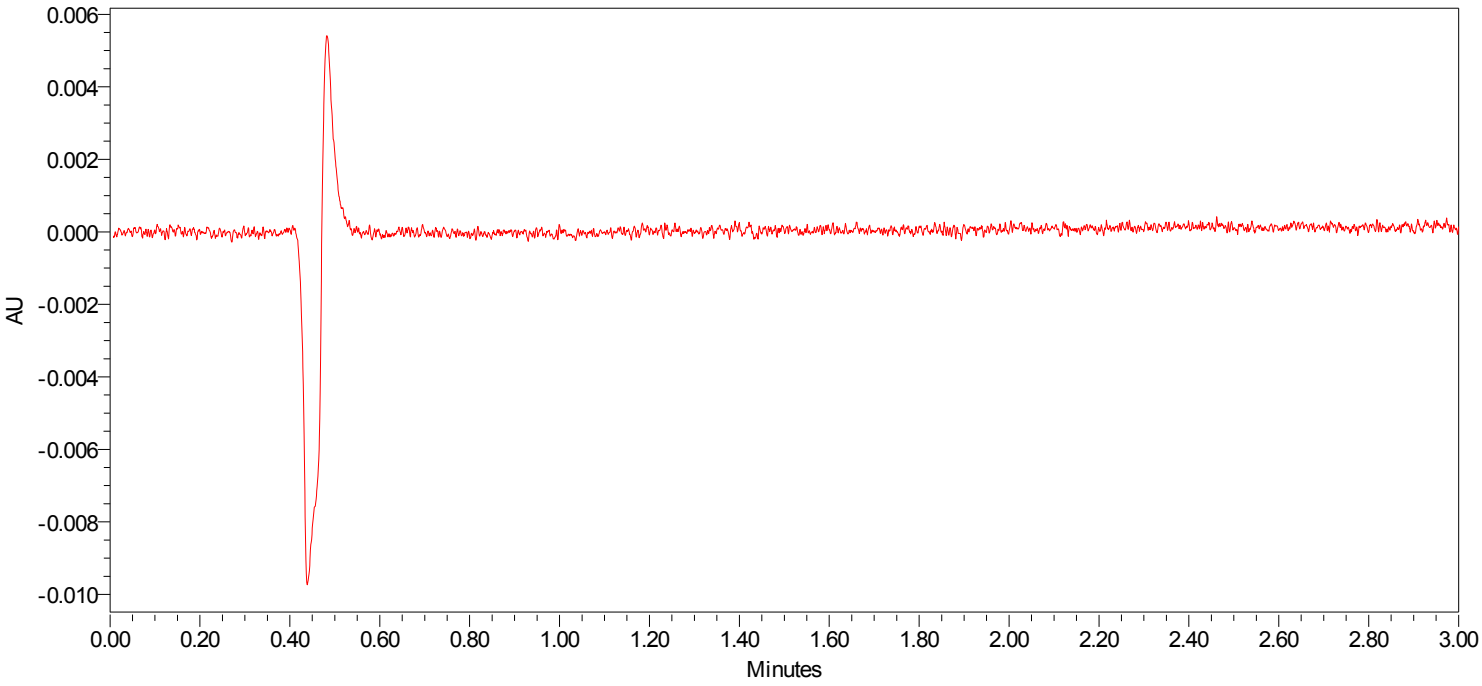




SAMPLE INFORMATION

Sample Name:	LDUV 1	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LDUV
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:56:03 PM BRT		
Date Processed:	25-Aug-25 2:21:04 PM BRT		

Auto-Scaled Chromatogram



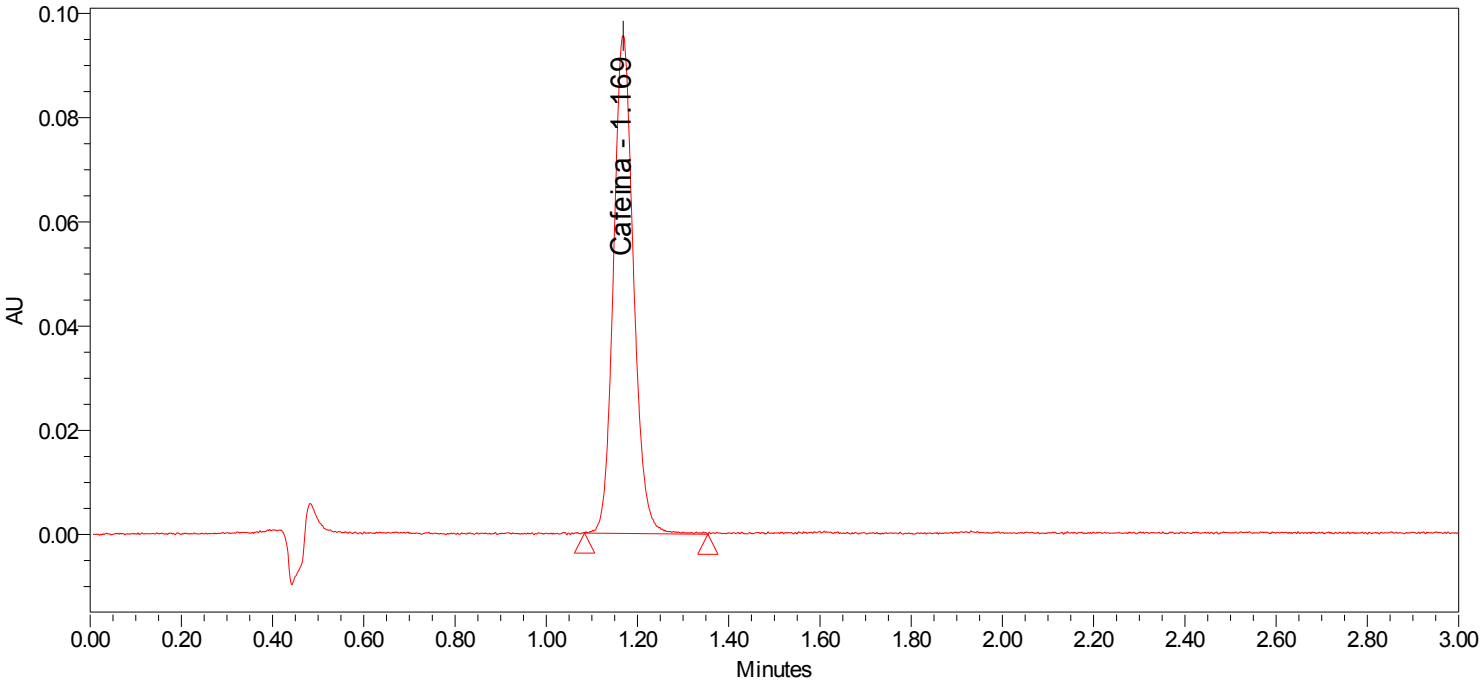
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167				

SAMPLE INFORMATION

Sample Name:	LDUV 2	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LDUV
Vial:	2	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 1:59:56 PM BRT		
Date Processed:	25-Aug-25 2:21:10 PM BRT		

Auto-Scaled Chromatogram



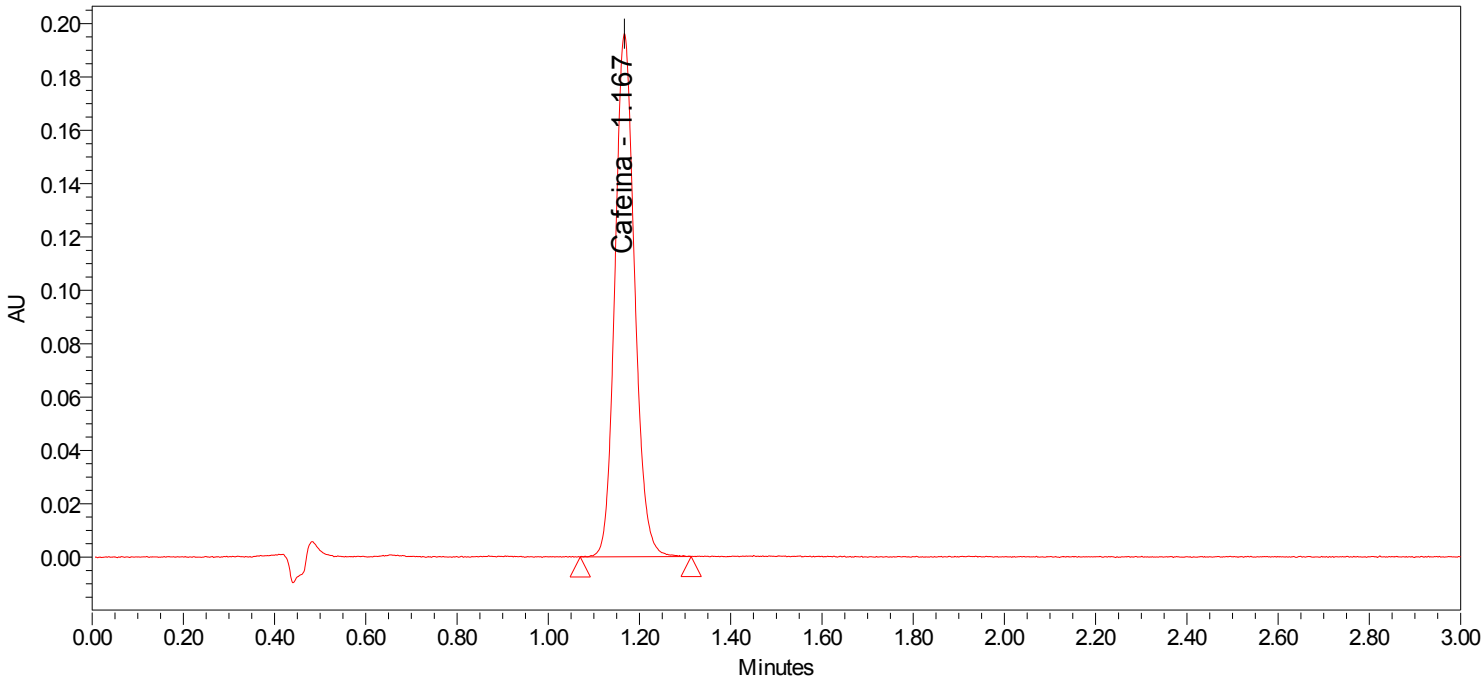
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.169	291530	95544		

SAMPLE INFORMATION

Sample Name:	LDUV 3	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LDUV
Vial:	3	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 2:03:48 PM BRT		
Date Processed:	25-Aug-25 2:21:21 PM BRT		

Auto-Scaled Chromatogram



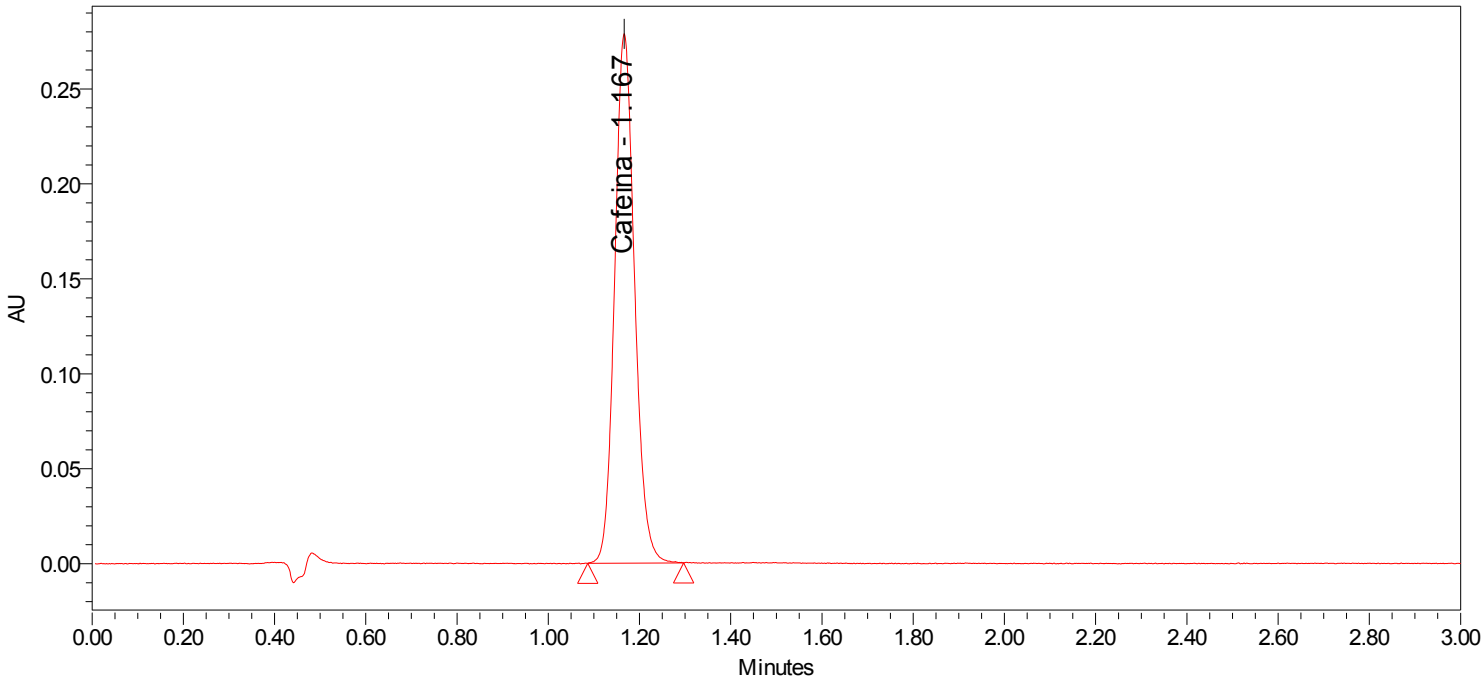
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167	588095	196130		

SAMPLE INFORMATION

Sample Name:	LDUV 4	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LDUV
Vial:	4	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 2:07:40 PM BRT		
Date Processed:	25-Aug-25 2:21:30 PM BRT		

Auto-Scaled Chromatogram



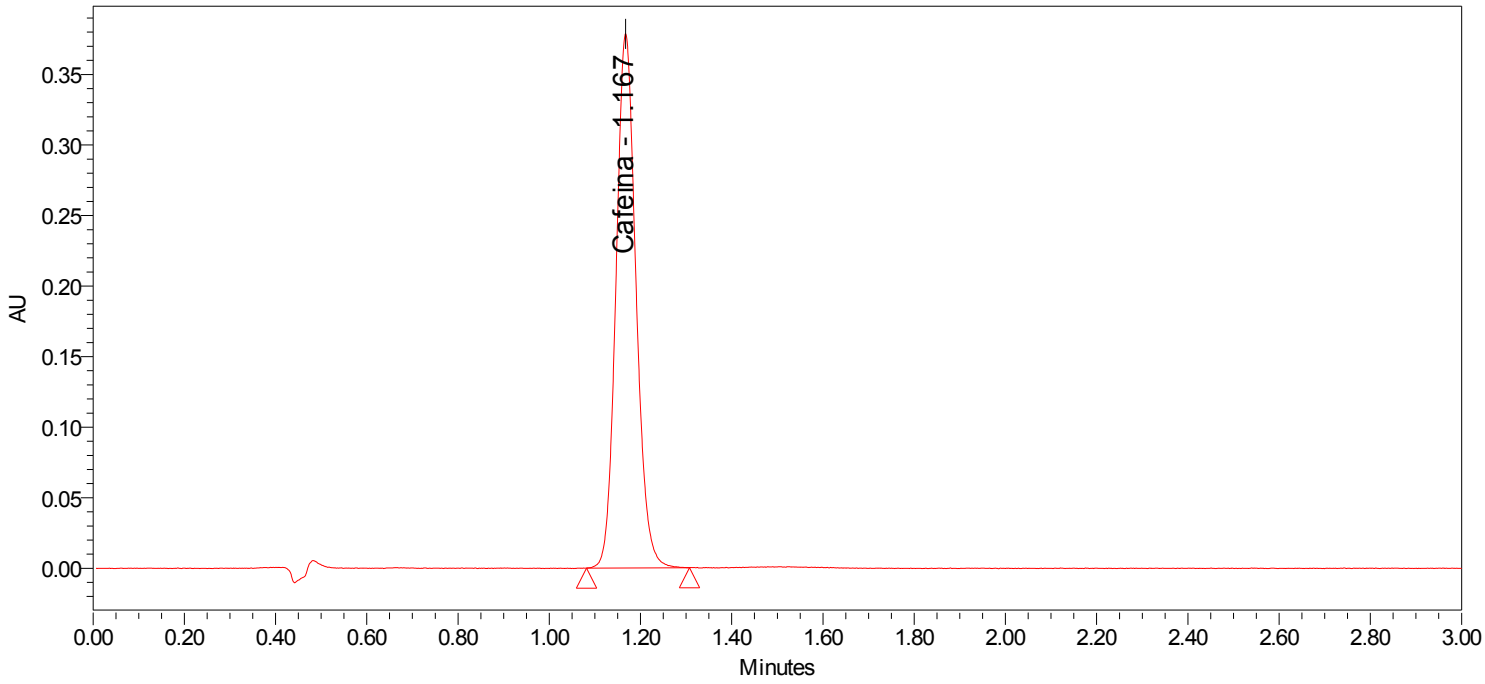
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167	845933	278759		

SAMPLE INFORMATION

Sample Name:	LDUV 5	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LDUV
Vial:	5	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 2:11:31 PM BRT		
Date Processed:	25-Aug-25 2:21:37 PM BRT		

Auto-Scaled Chromatogram



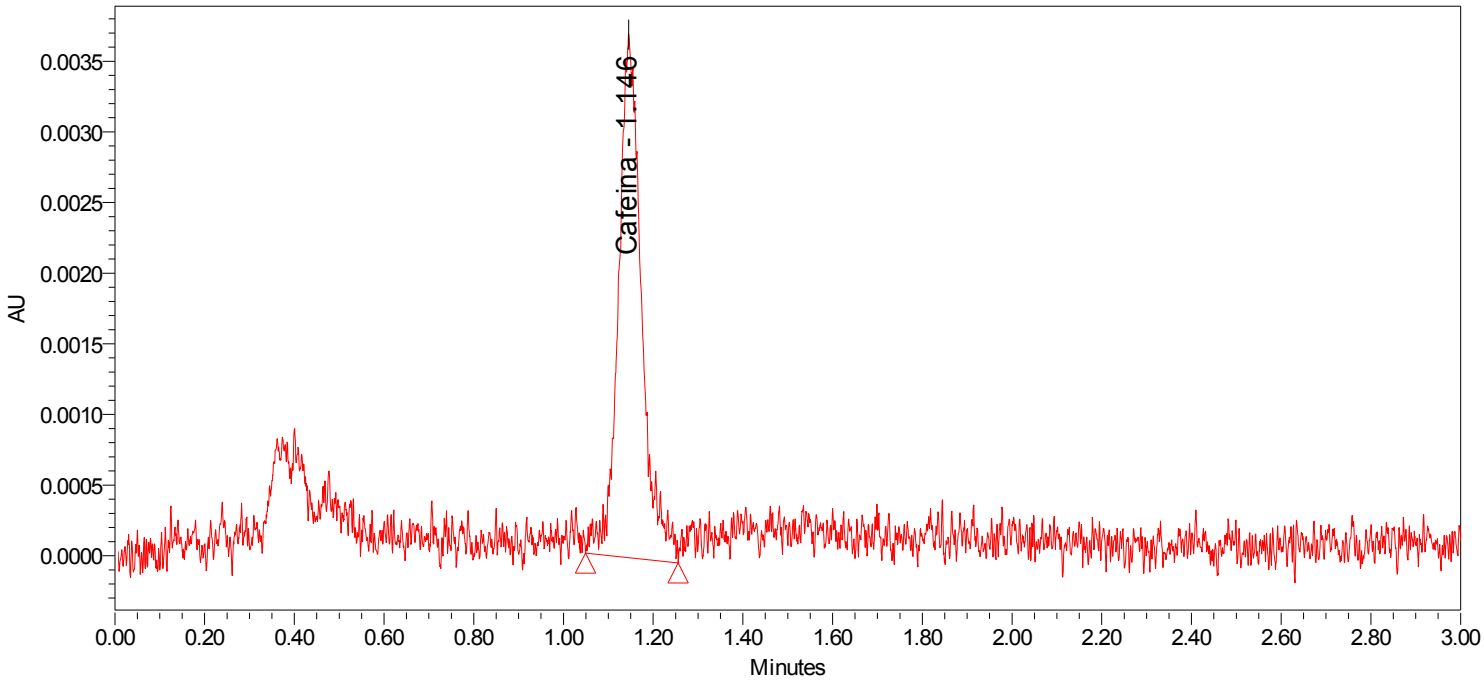
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.167	1151803	378679		

SAMPLE INFORMATION

Sample Name:	LIIN 1	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LIIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	0.10 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 3:24:13 PM BRT		
Date Processed:	25-Aug-25 3:45:31 PM BRT		

Auto-Scaled Chromatogram



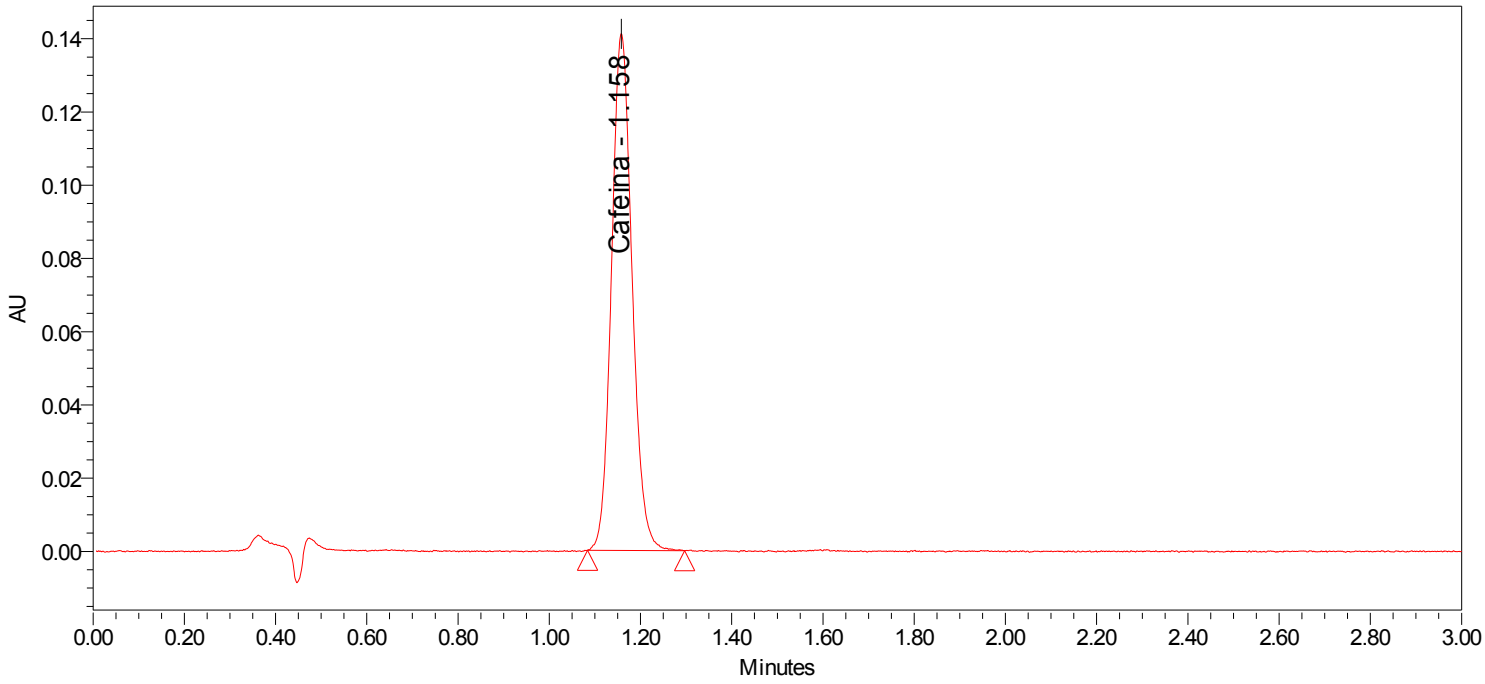
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.146	13305	3695		

SAMPLE INFORMATION

Sample Name:	LIIN 2	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LIIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	5.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 3:28:04 PM BRT		
Date Processed:	25-Aug-25 3:45:38 PM BRT		

Auto-Scaled Chromatogram



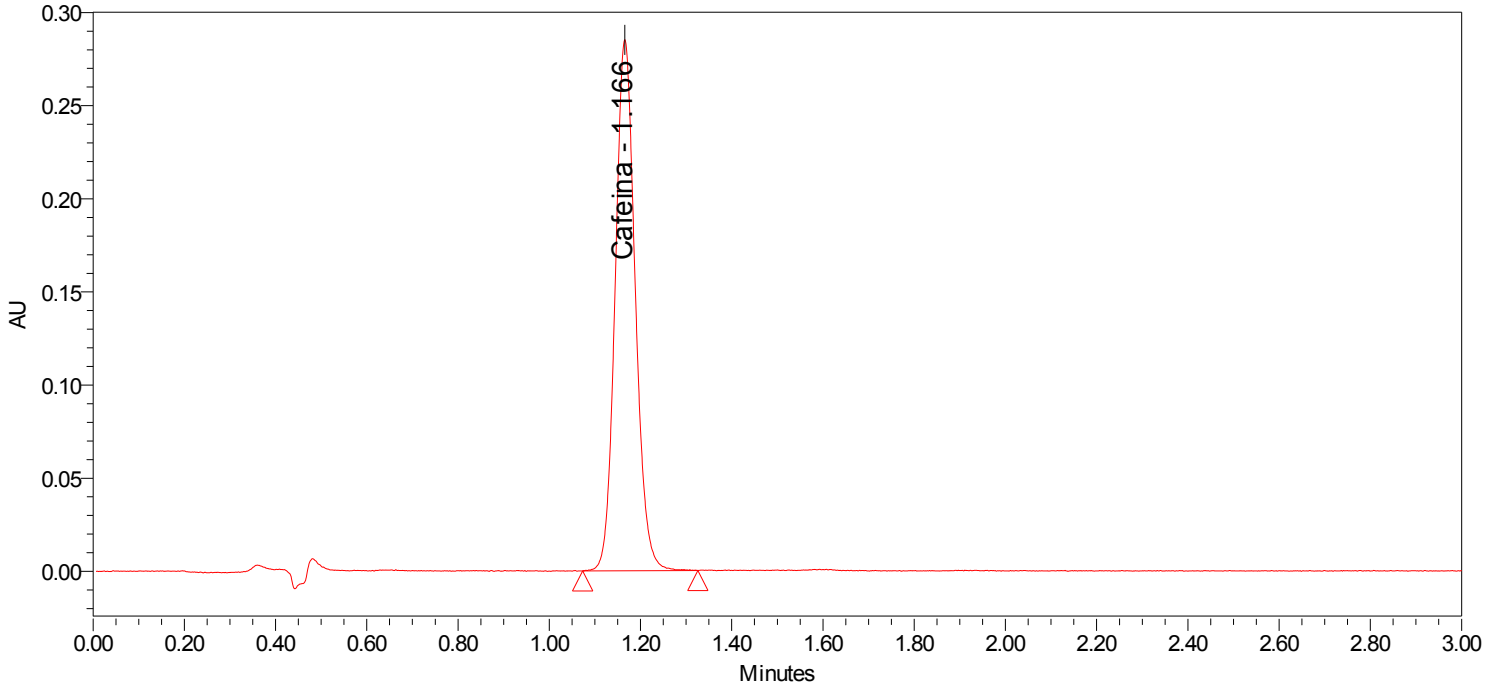
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.158	441810	141124		

SAMPLE INFORMATION

Sample Name:	LIIN 3	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LIIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 3:31:56 PM BRT		
Date Processed:	25-Aug-25 3:45:47 PM BRT		

Auto-Scaled Chromatogram



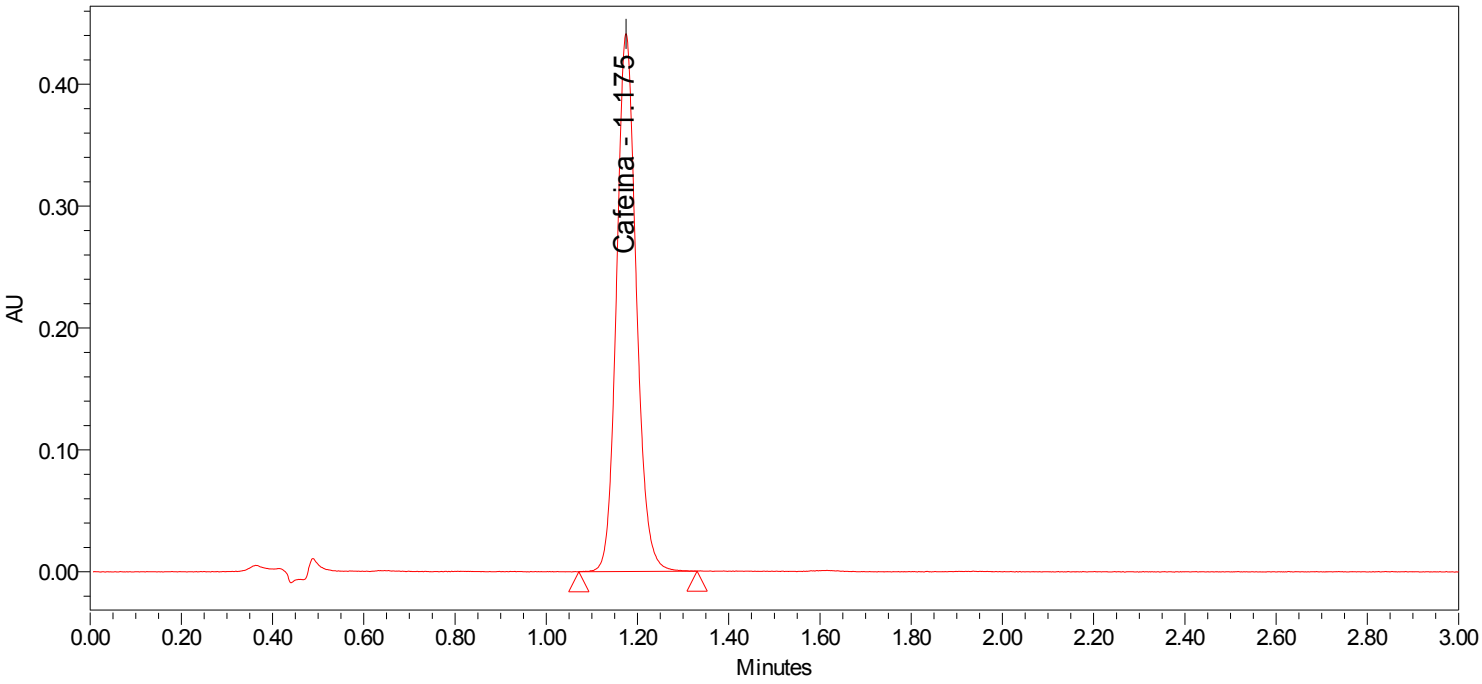
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.166	871076	285128		

SAMPLE INFORMATION

Sample Name:	LIIN 4	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LIIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	15.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 3:35:51 PM BRT		
Date Processed:	25-Aug-25 3:45:53 PM BRT		

Auto-Scaled Chromatogram



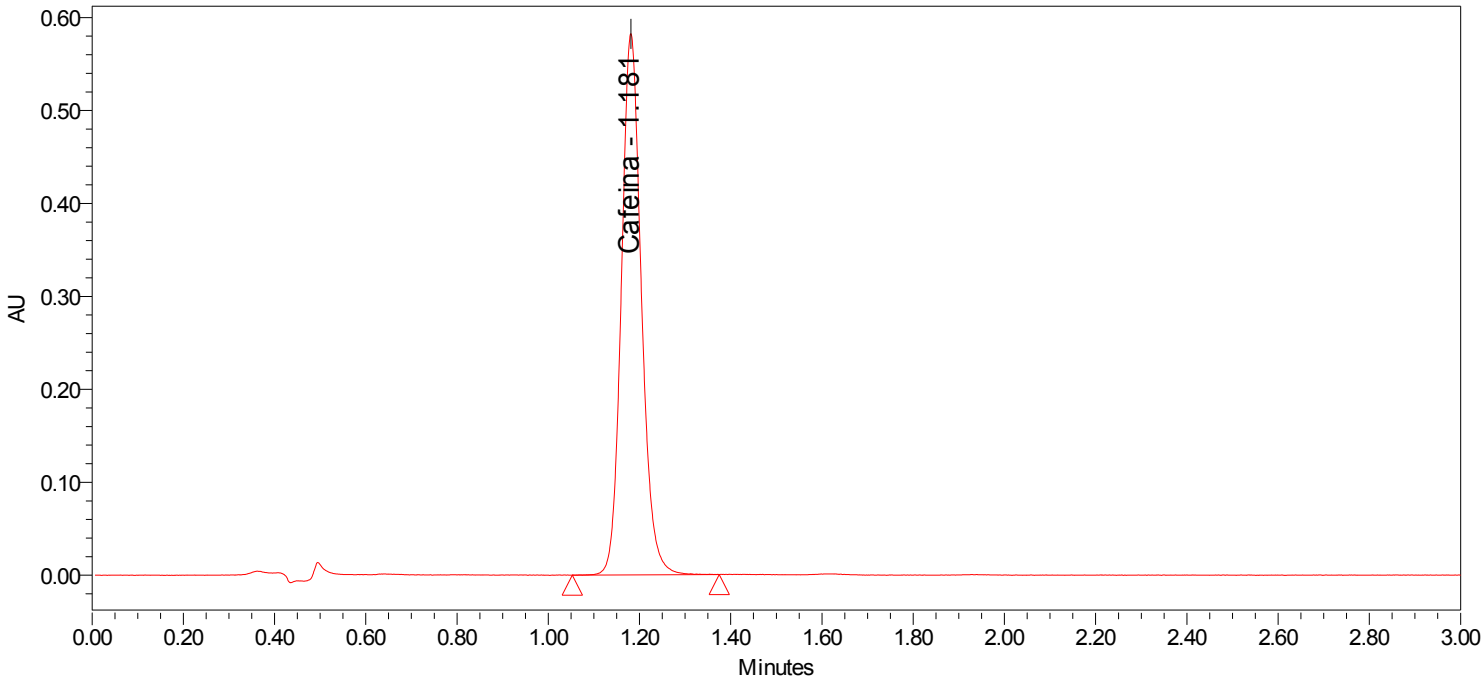
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.175	1326286	441156		

SAMPLE INFORMATION

Sample Name:	LIIN 5	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	LIIN
Vial:	1	Acq. Method Set:	Qualificação
Injection #:	1	Processing Method	Qualificação
Injection Volume:	20.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 3:39:47 PM BRT		
Date Processed:	25-Aug-25 3:46:01 PM BRT		

Auto-Scaled Chromatogram



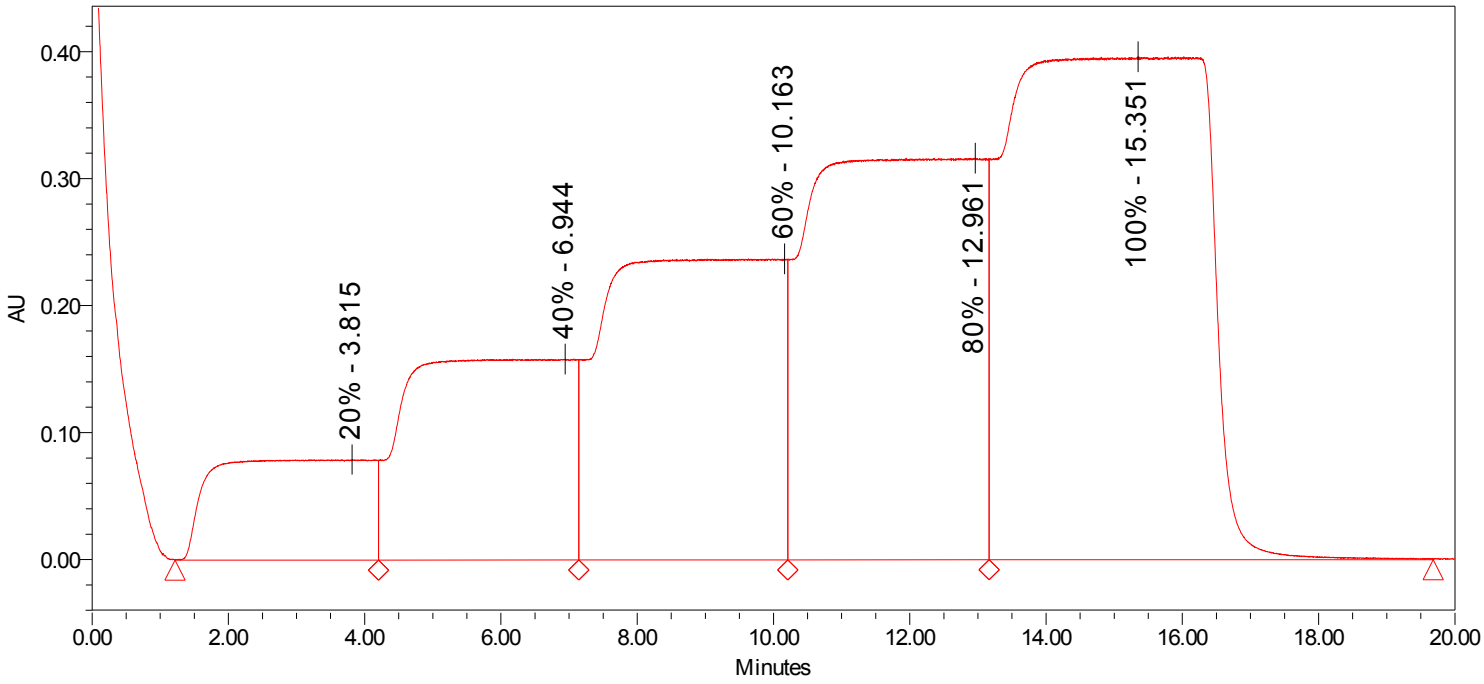
Peak Results

	Name	RT	Area	Height	Amount	Units
1	Cafeina	1.181	1773288	582357		

SAMPLE INFORMATION

Sample Name:	Grad AB	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	Grad AB
Vial:	1	Acq. Method Set:	Grad AB
Injection #:	1	Processing Method	Grad AB
Injection Volume:	0.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 4:18:24 PM BRT		
Date Processed:	25-Aug-25 4:43:56 PM BRT		

Auto-Scaled Chromatogram



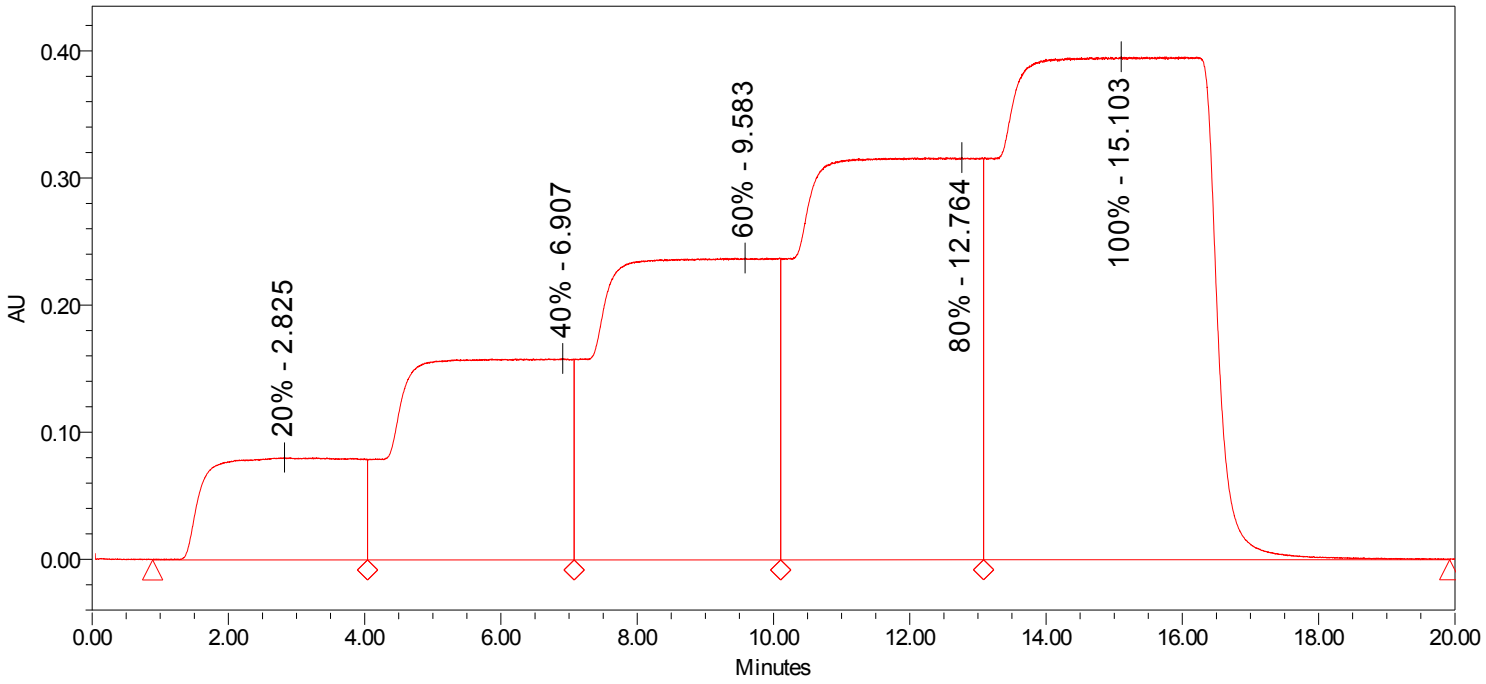
Peak Results

	Name	RT	Area	Height	Amount	Units
1	20%	3.815	12437185	79239		
2	40%	6.944	26096153	158251		
3	60%	10.163	41590605	237110		
4	80%	12.961	54249105	316262		
5	100%	15.351	78700355	396228		

SAMPLE INFORMATION

Sample Name:	Grad Cd	Acquired By:	System
Sample Type:	Unknown	Sample Set Name	Grad CD
Vial:	1	Acq. Method Set:	Grad CD
Injection #:	1	Processing Method	Grad CD
Injection Volume:	0.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	25-Aug-25 4:40:42 PM BRT		
Date Processed:	26-Aug-25 10:25:01 AM BRT		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	Height	Amount	Units
1	20%	2.825	11872289	80585		
2	40%	6.907	26272832	158490		
3	60%	9.583	40783234	237623		
4	80%	12.764	54340720	316562		
5	100%	15.103	80105524	395693		