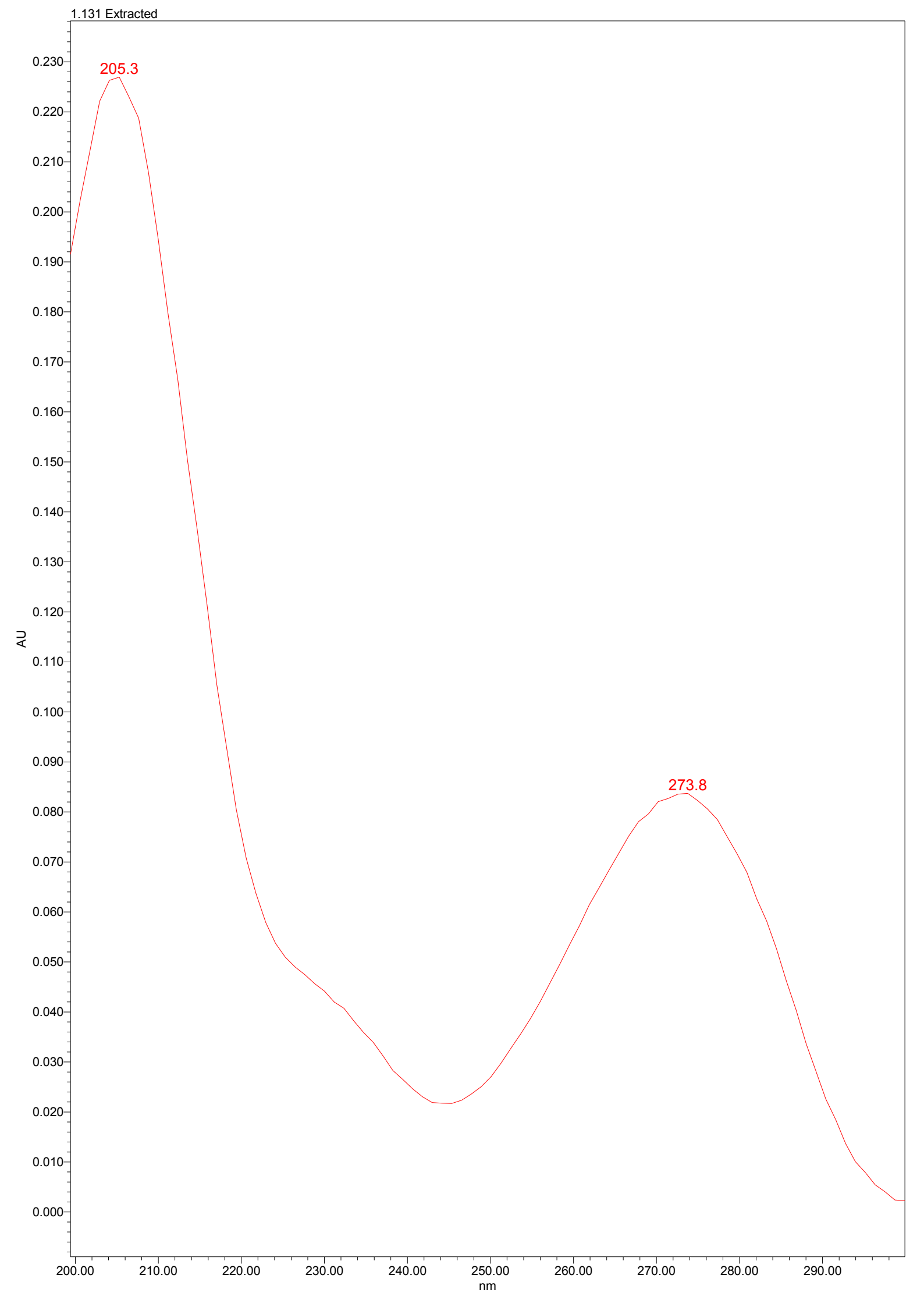

1.131 Extracted
205.3
273.8
AU
nm
0.230
0.220
0.210
0.200
0.190
0.180
0.170
0.160
0.150
0.140
0.130
0.120
0.110
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
200.00
210.00
220.00
230.00
240.00
250.00
260.00
270.00
280.00
290.00

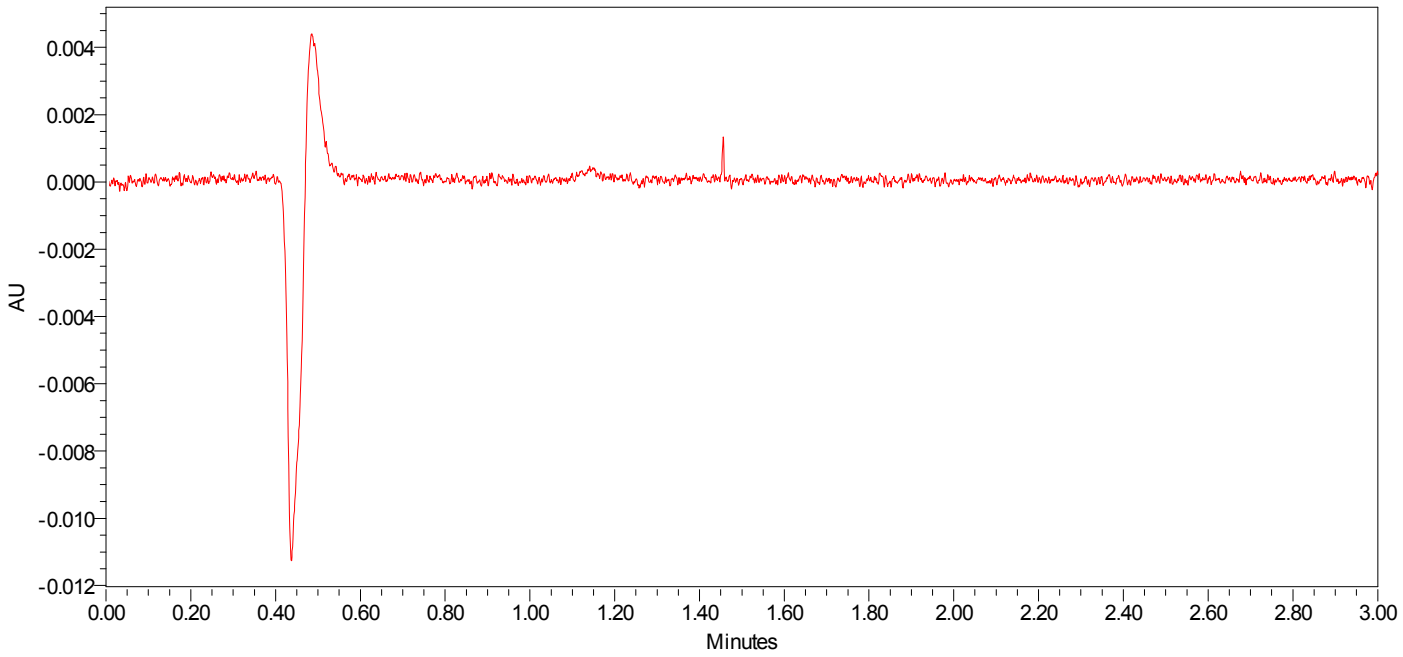
PDA Spectrum at 1.131 minutes

	Wavelength (nm)	Absorbance (au)
1	199.41	0.19154
2	200.59	0.20239
3	201.76	0.21222
4	202.94	0.22213
5	204.11	0.22630
6	205.29	0.22694
7	206.46	0.22300
8	207.64	0.21872
9	208.81	0.20783
10	209.99	0.19451
11	211.16	0.17975
12	212.34	0.16646
13	213.51	0.15031
14	214.69	0.13642
15	215.87	0.12138
16	217.04	0.10546
17	218.22	0.09282
18	219.40	0.08042
19	220.58	0.07076
20	221.75	0.06374
21	222.93	0.05790
22	224.11	0.05373
23	225.29	0.05095
24	226.47	0.04901
25	227.64	0.04746
26	228.82	0.04568
27	230.00	0.04417
28	231.18	0.04199
29	232.36	0.04073
30	233.54	0.03821
31	234.72	0.03591
32	235.90	0.03388
33	237.08	0.03118
34	238.26	0.02828
35	239.44	0.02652
36	240.62	0.02464
37	241.80	0.02306
38	242.99	0.02189
39	244.17	0.02176
40	245.35	0.02171
41	246.53	0.02235
42	247.71	0.02361
43	248.89	0.02507
44	250.08	0.02704
45	251.26	0.02972
46	252.44	0.03268
47	253.63	0.03558
48	254.81	0.03865
49	255.99	0.04208
50	257.17	0.04582
51	258.36	0.04959
52	259.54	0.05352
53	260.73	0.05726
54	261.91	0.06143
55	263.10	0.06485
56	264.28	0.06834
57	265.47	0.07178
58	266.65	0.07518
59	267.84	0.07806
60	269.02	0.07960
61	270.21	0.08207
62	271.39	0.08269
63	272.58	0.08355
64	273.77	0.08373
65	274.95	0.08229
66	276.14	0.08060
67	277.32	0.07848
68	278.51	0.07505
69	279.70	0.07166
70	280.89	0.06794
71	282.07	0.06264
72	283.26	0.05819
73	284.45	0.05264
74	285.64	0.04623
75	286.83	0.04039
76	288.01	0.03370
77	289.20	0.02817
78	290.39	0.02261
79	291.58	0.01846
80	292.77	0.01370
81	293.96	0.01008
82	295.15	0.00789
83	296.34	0.00543
84	297.53	0.00403
85	298.72	0.00240
86	299.91	0.00227

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:	22-Sep-26 2:30:34 PM BRT		
Date Processed:	22-Sep-26 3:06:31 PM BRT		

Auto-Scaled Chromatogram



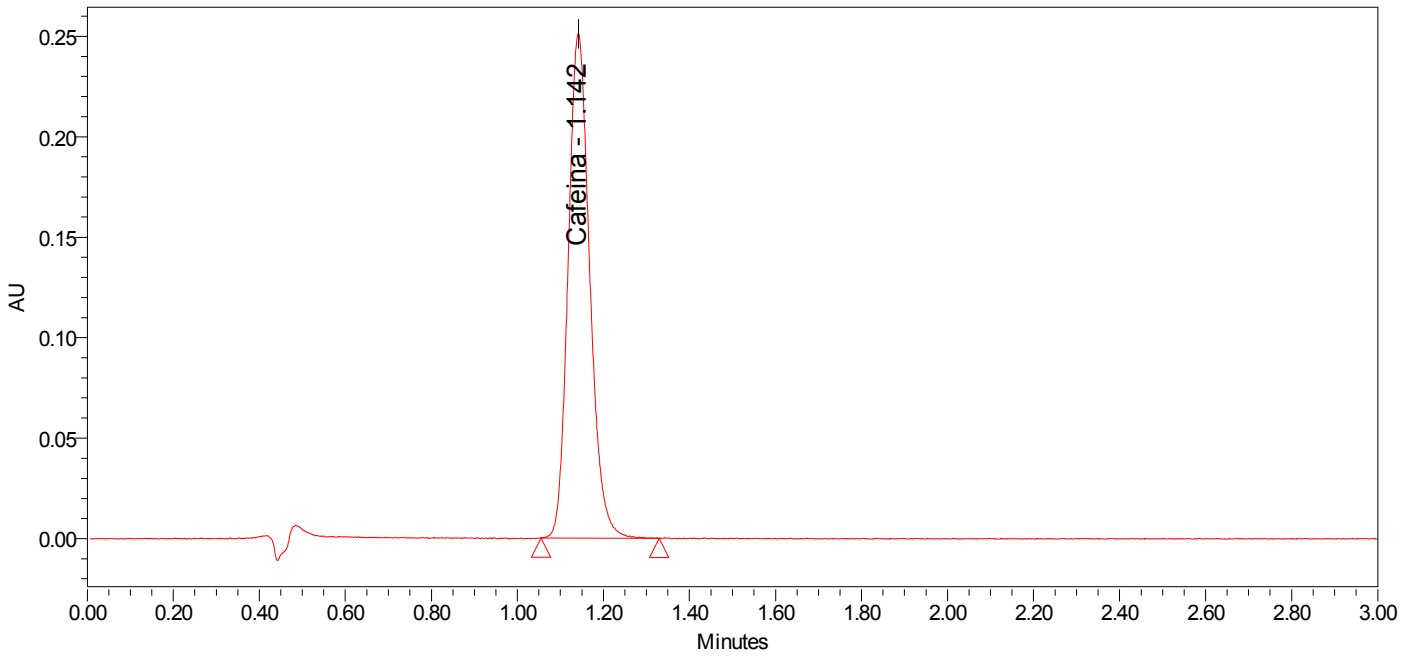
Peak Results

Cafeina	1.146					

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:	22-Sep-26 2:34:26 PM BRT		
Date Processed:	22-Sep-26 3:06:43 PM BRT		

Auto-Scaled Chromatogram



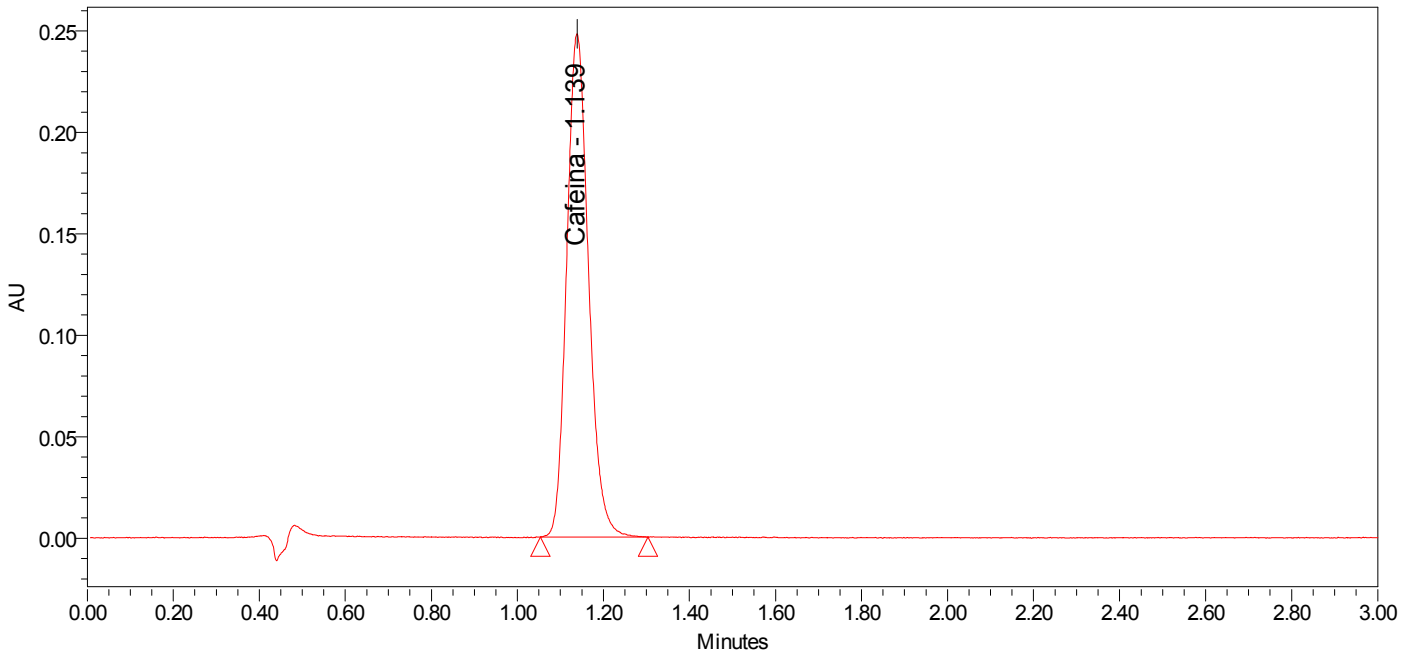
Peak Results

	Cafeina	1.142	873421	250980		

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:	22-Sep-26 2:38:18 PM BRT		
Date Processed:	22-Sep-26 3:06:53 PM BRT		

Auto-Scaled Chromatogram



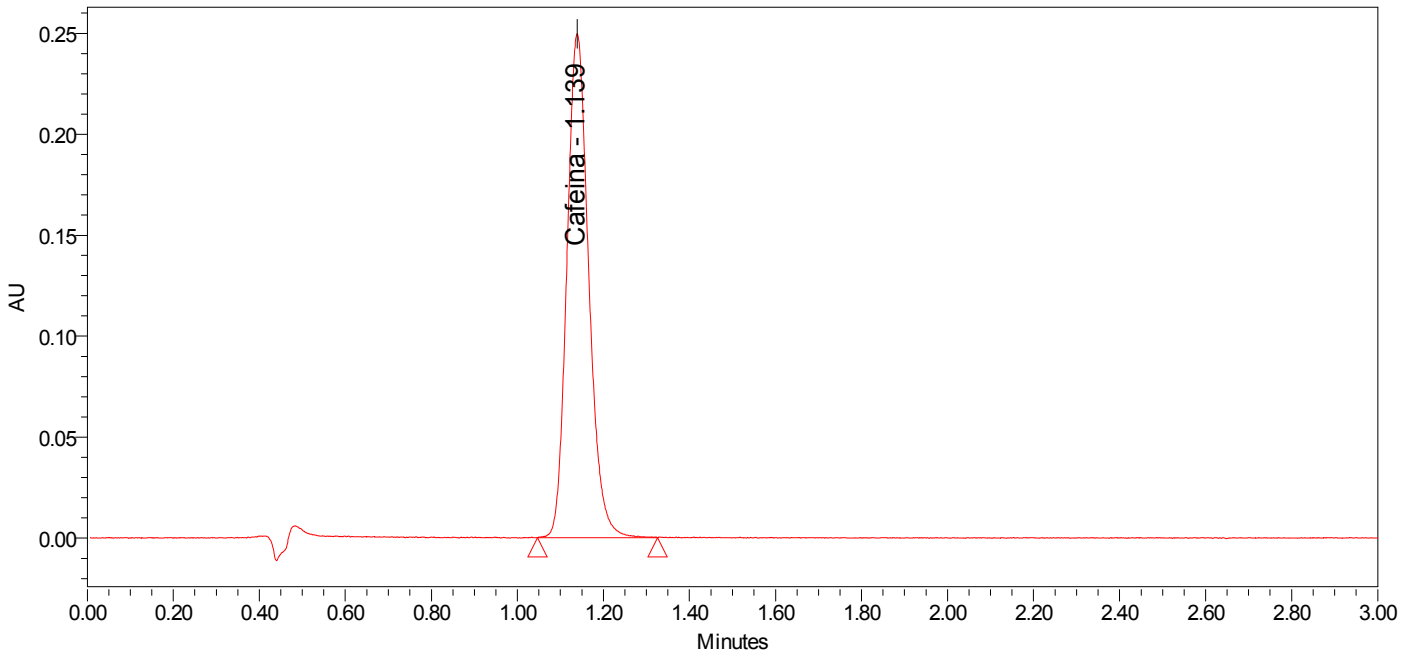
Peak Results

	Cafeina	1.139	874120	248035		

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:	22-Sep-26 2:42:10 PM BRT		
Date Processed:	22-Sep-26 3:07:05 PM BRT		

Auto-Scaled Chromatogram



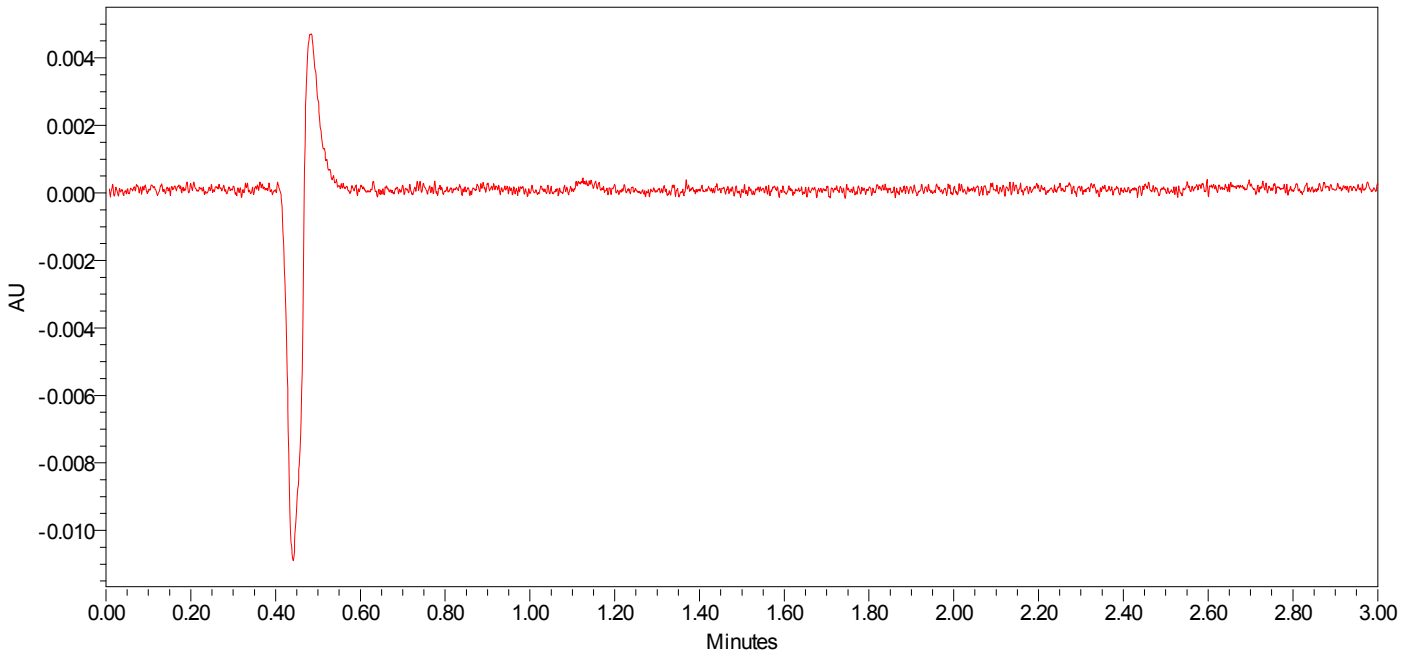
Peak Results

	Cafeina	1.139	876033	249516		

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:	22-Sep-26 2:46:06 PM BRT		
Date Processed:	22-Sep-26 3:07:19 PM BRT		

Auto-Scaled Chromatogram



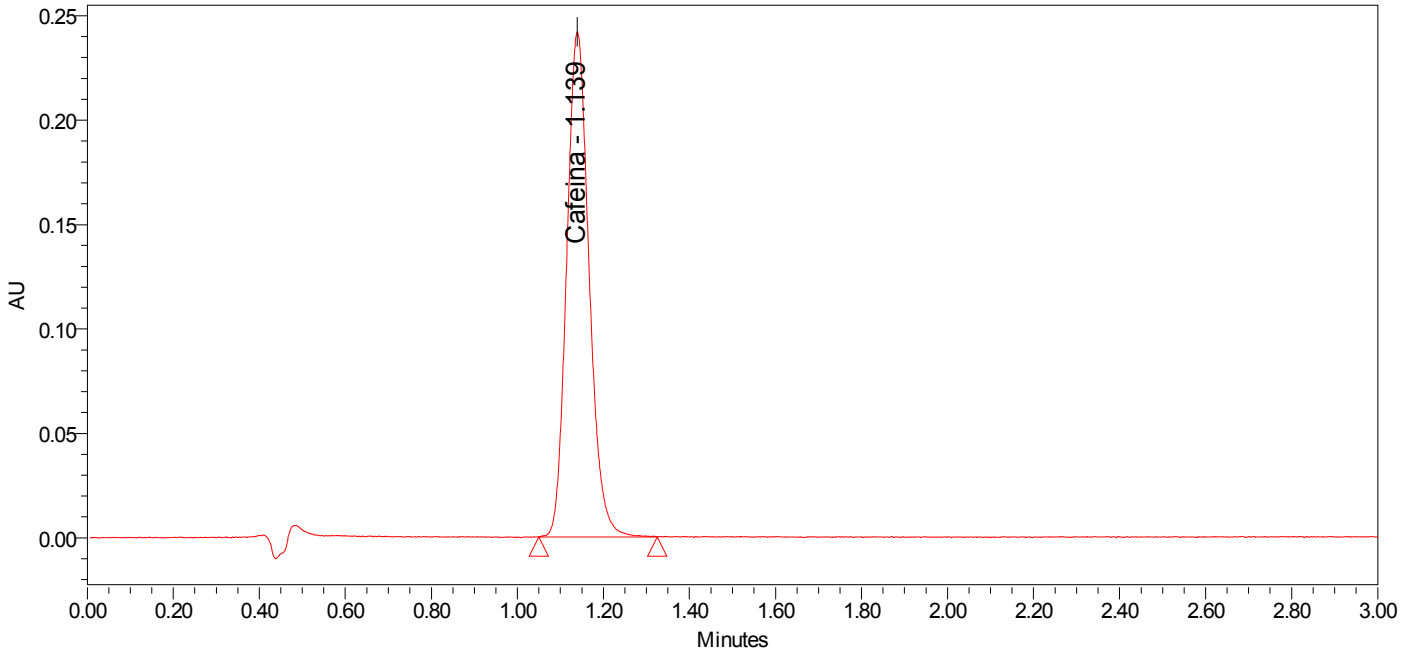
Peak Results

Cafeina	1.146					

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:	22-Sep-26 2:49:58 PM BRT		
Date Processed:	22-Sep-26 3:07:31 PM BRT		

Auto-Scaled Chromatogram



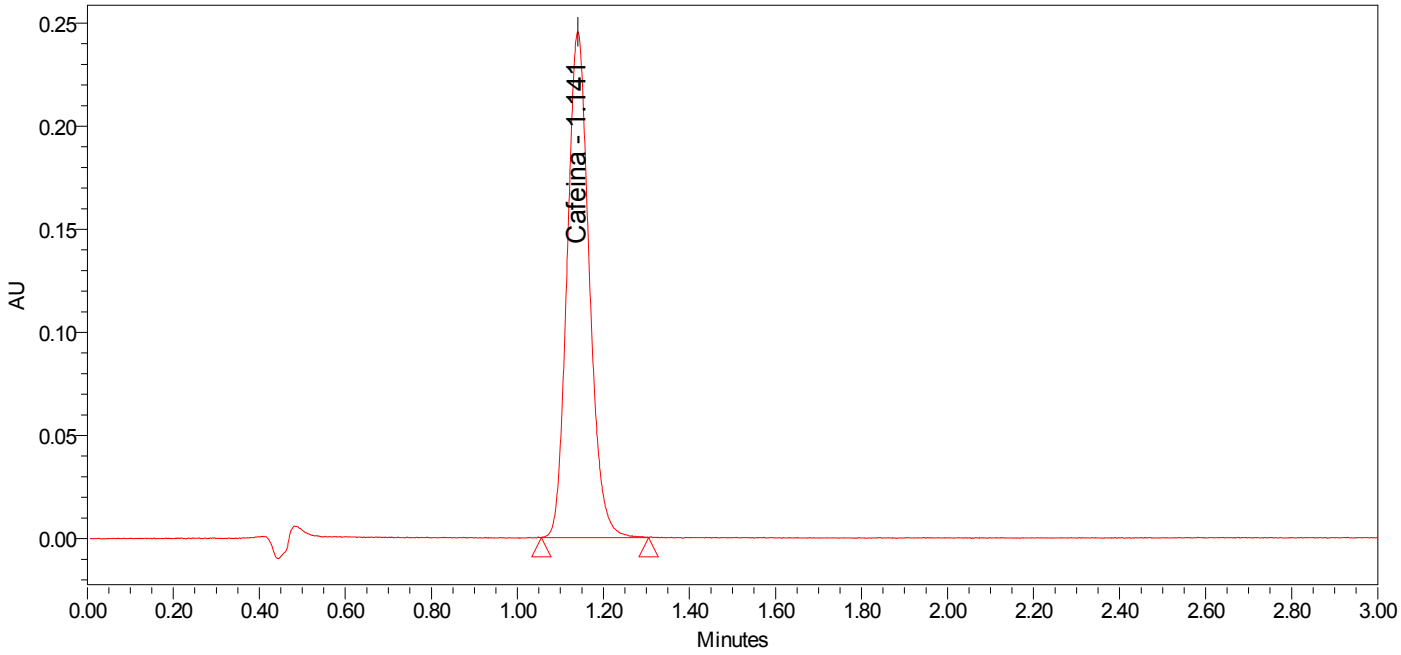
Peak Results

	Cafeina	1.139	873552	241923		

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:	22-Sep-26 2:53:51 PM BRT		
Date Processed:	22-Sep-26 3:07:43 PM BRT		

Auto-Scaled Chromatogram



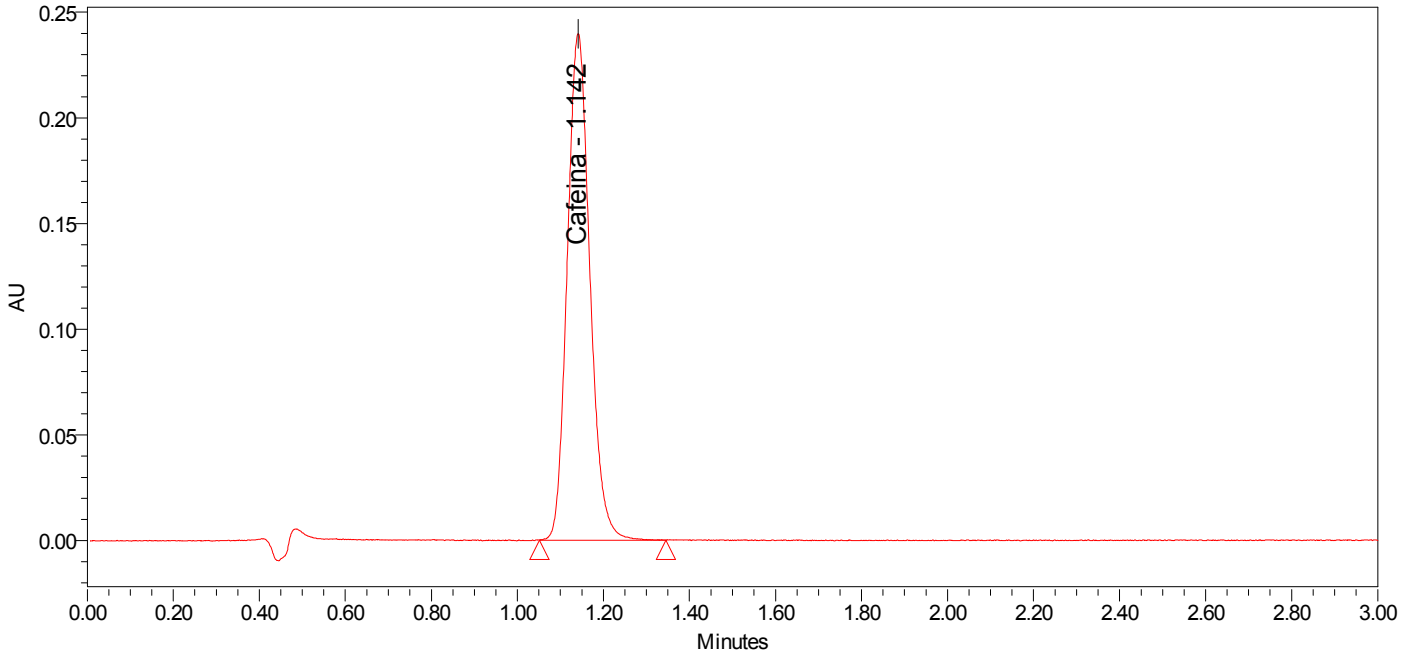
Peak Results

	Cafeina	1.141	871974	245276		

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:	22-Sep-26 2:57:44 PM BRT		
Date Processed:	22-Sep-26 3:08:01 PM BRT		

Auto-Scaled Chromatogram



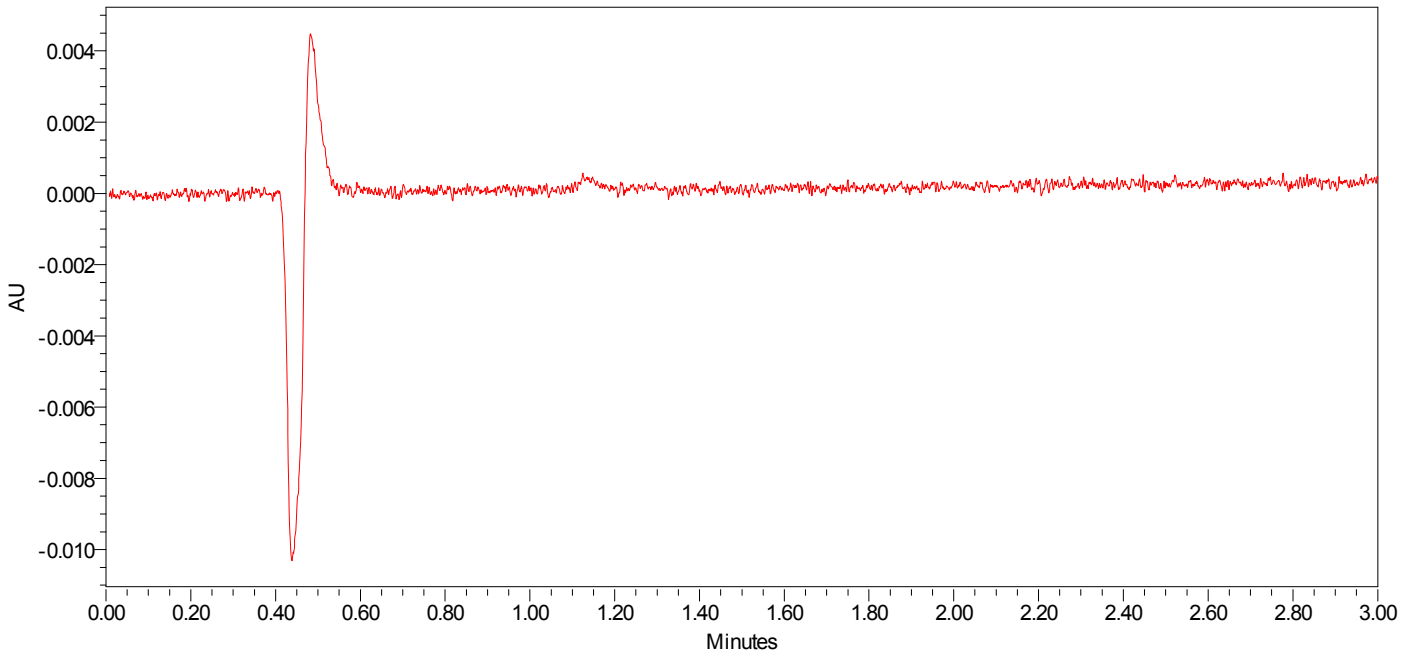
Peak Results

Cafeina	1.142	874832	239636		

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:	22-Sep-26 3:01:39 PM BRT		
Date Processed:	22-Sep-26 3:08:14 PM BRT		

Auto-Scaled Chromatogram



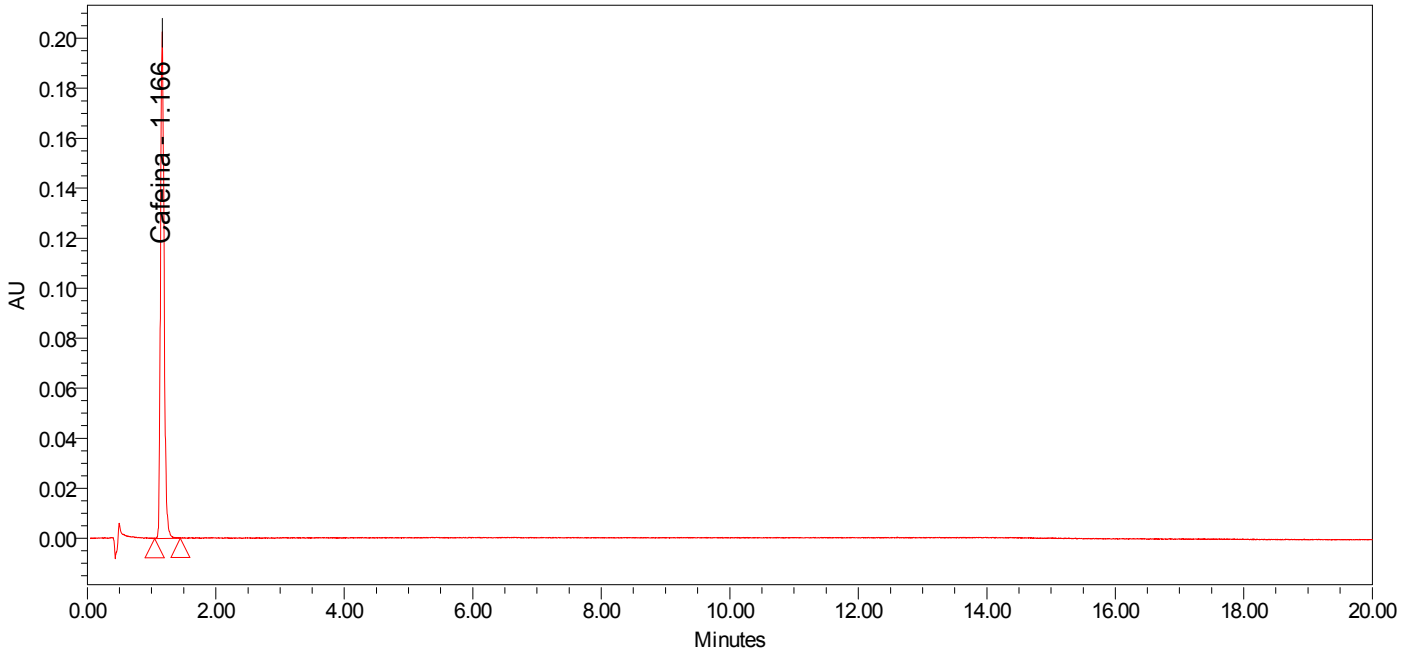
Peak Results

Cafeina	1.146					

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:	SinalRuído
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:	22-Sep-26 3:38:24 PM BRT		
Date Processed:	22-Sep-26 4:06:54 PM BRT		

Auto-Scaled Chromatogram



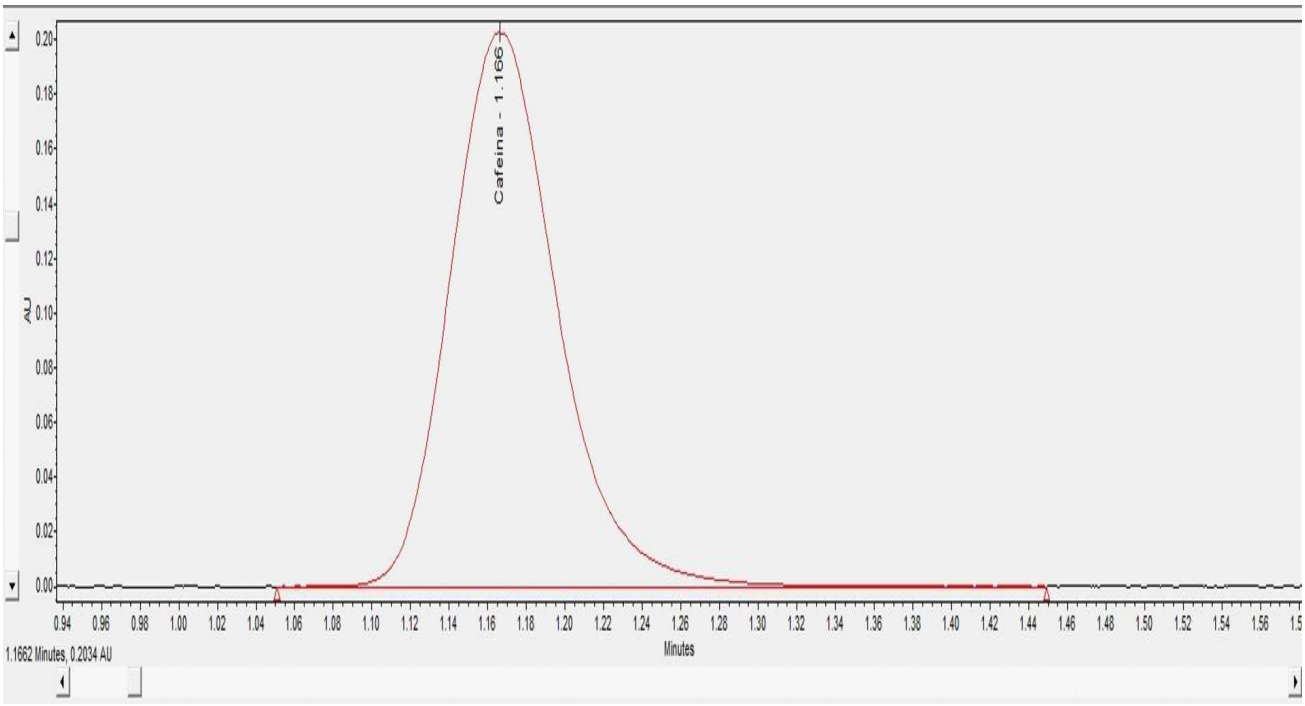
Peak Results

Cafeina	1.166	777915	202648		

Certificado Nº: 410/26-RELB	Início da Qualificação: 22/09/2026	Página 1 de 3	

Resultado obtido na altura do pico

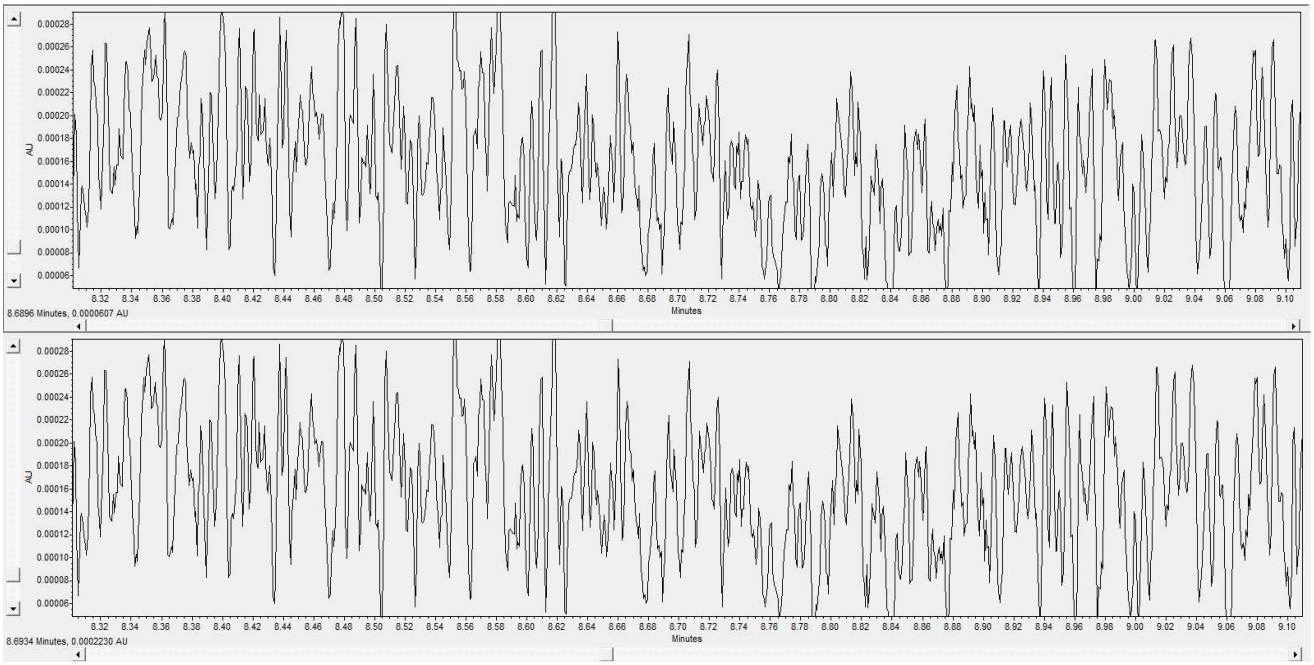
	ALTURA DO PICO (mAU)
Resultado:	202,6480



Certificado Nº: 410/26-RELB	Início da Qualificação: 22/09/2026	Página 2 de 3

Resultado obtido no teste de sinal/ruído

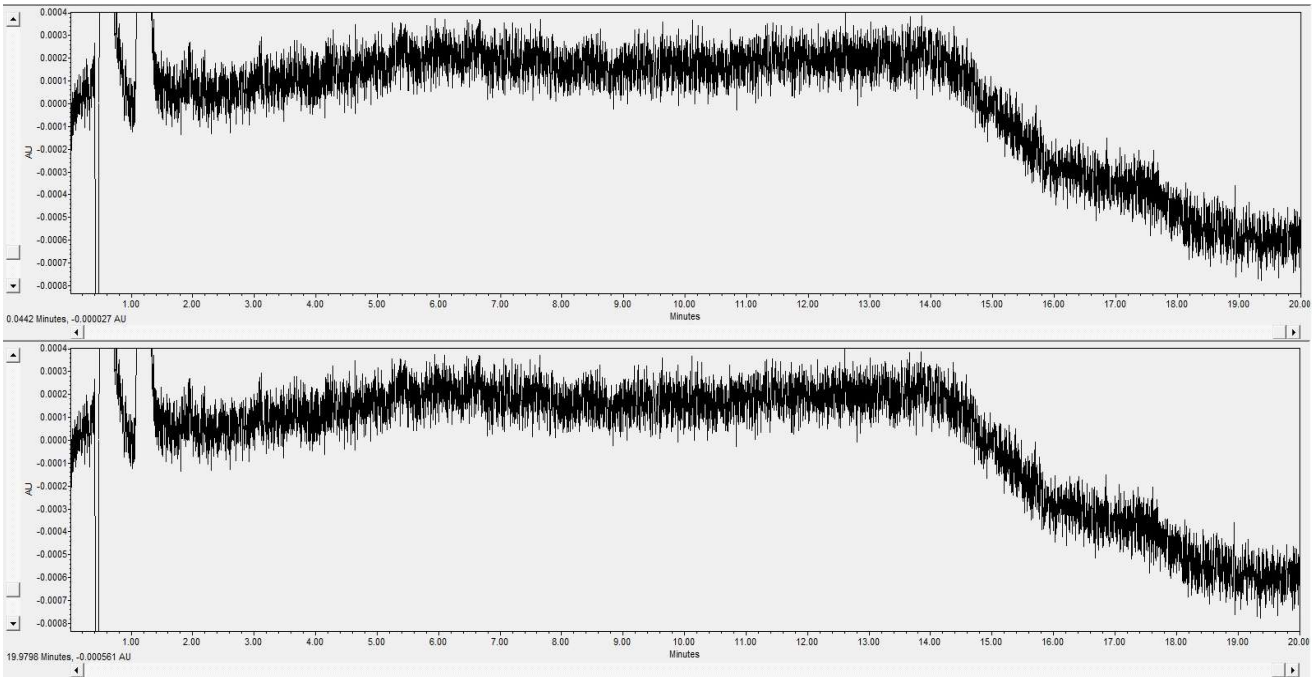
Resultado:	Ruído (mAU)
VALOR MÁXIMO:	0,0223
VALOR MÍNIMO:	0,0061
	Ruído
	0,0162



Certificado Nº: 410/26-RELB	Início da Qualificação: 22/09/2026	Página 3 de 3

Resultado obtido no teste estabilidade da linha de base

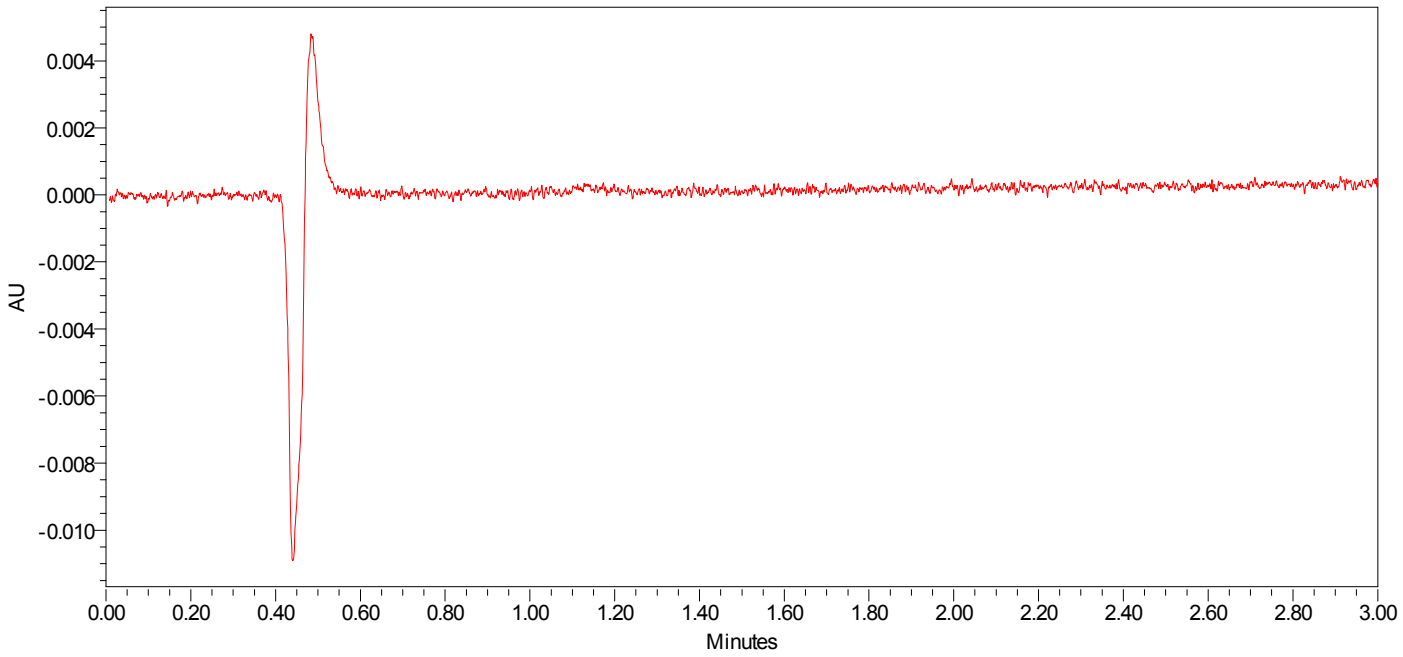
Estabilidade da Linha de Base	Diferença 20 min	Diferença 60 min
VALOR MÁXIMO:	-0,0270	0,0873
VALOR MÍNIMO:	-0,0561	
Resultado:	0,0291	



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:	22-Sep-26 3:07:08 PM BRT		
Date Processed:	22-Sep-26 3:26:46 PM BRT		

Auto-Scaled Chromatogram



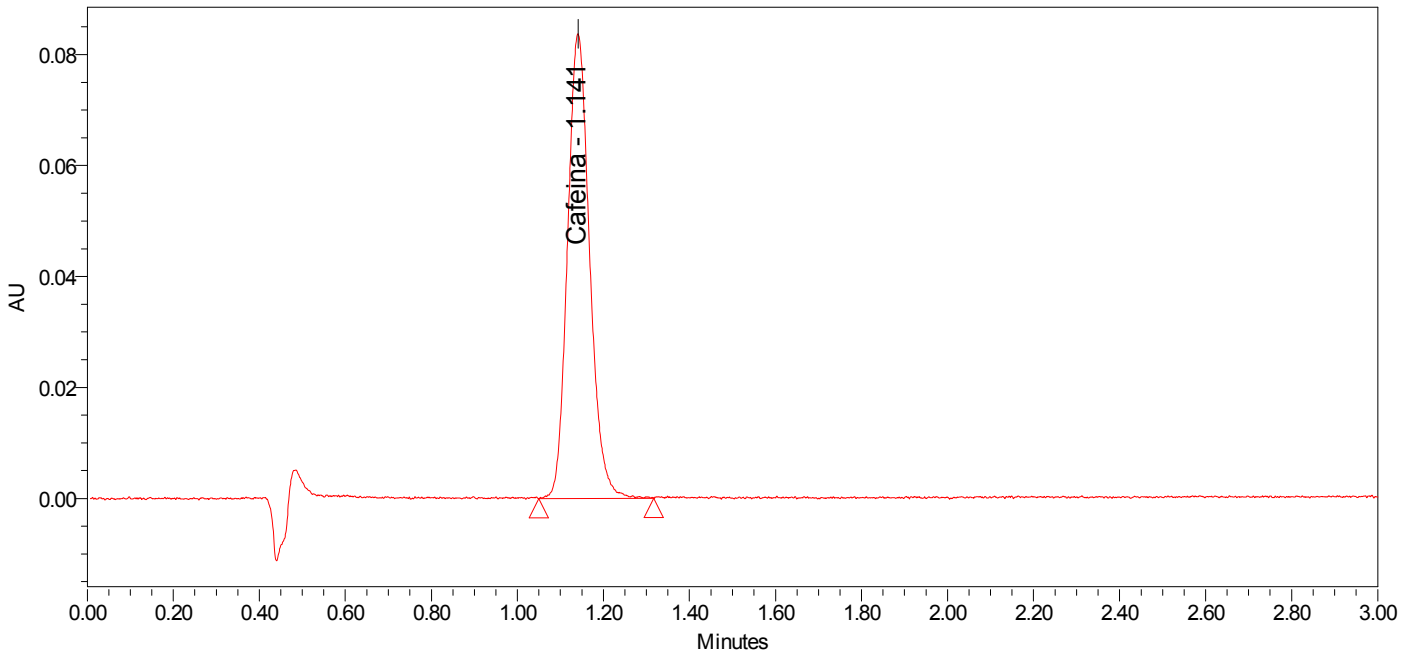
Peak Results

Cafeina	1.146					

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:	22-Sep-26 3:11:00 PM BRT		
Date Processed:	22-Sep-26 3:26:58 PM BRT		

Auto-Scaled Chromatogram



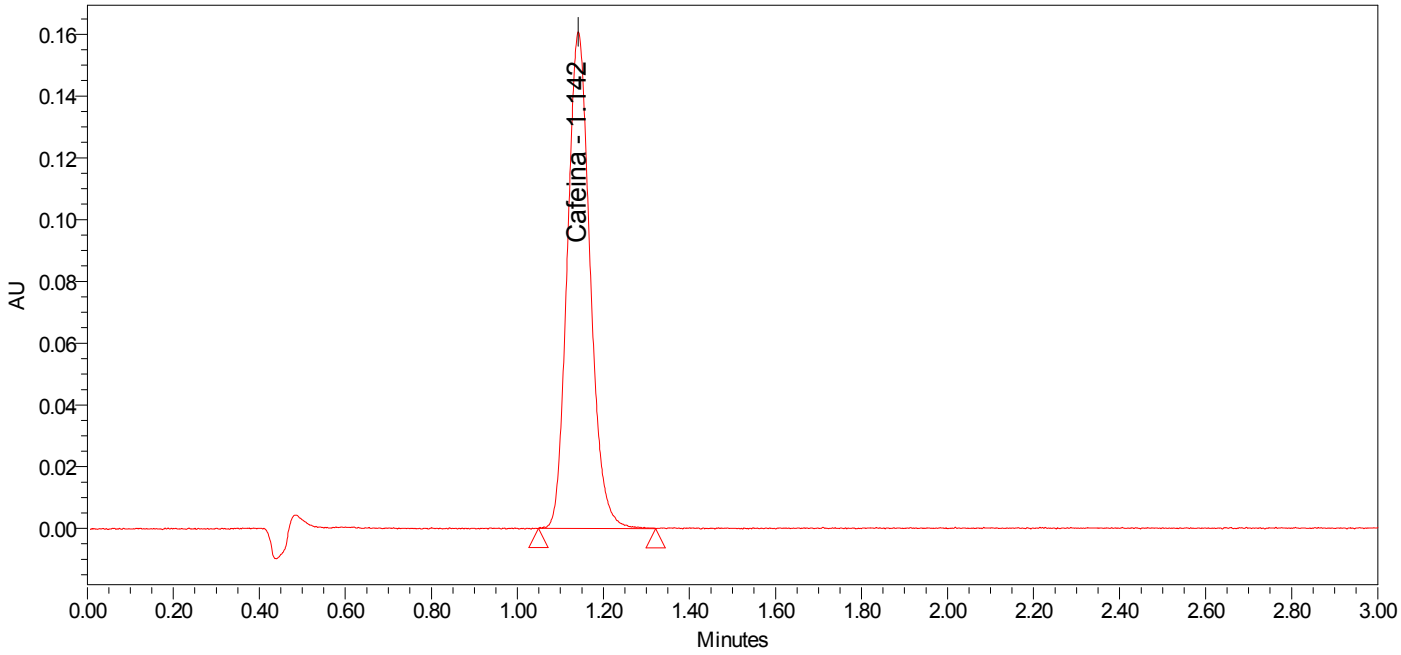
Peak Results

	Cafeina	1.141	299122	83757		

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:	22-Sep-26 3:14:51 PM BRT		
Date Processed:	22-Sep-26 3:27:19 PM BRT		

Auto-Scaled Chromatogram



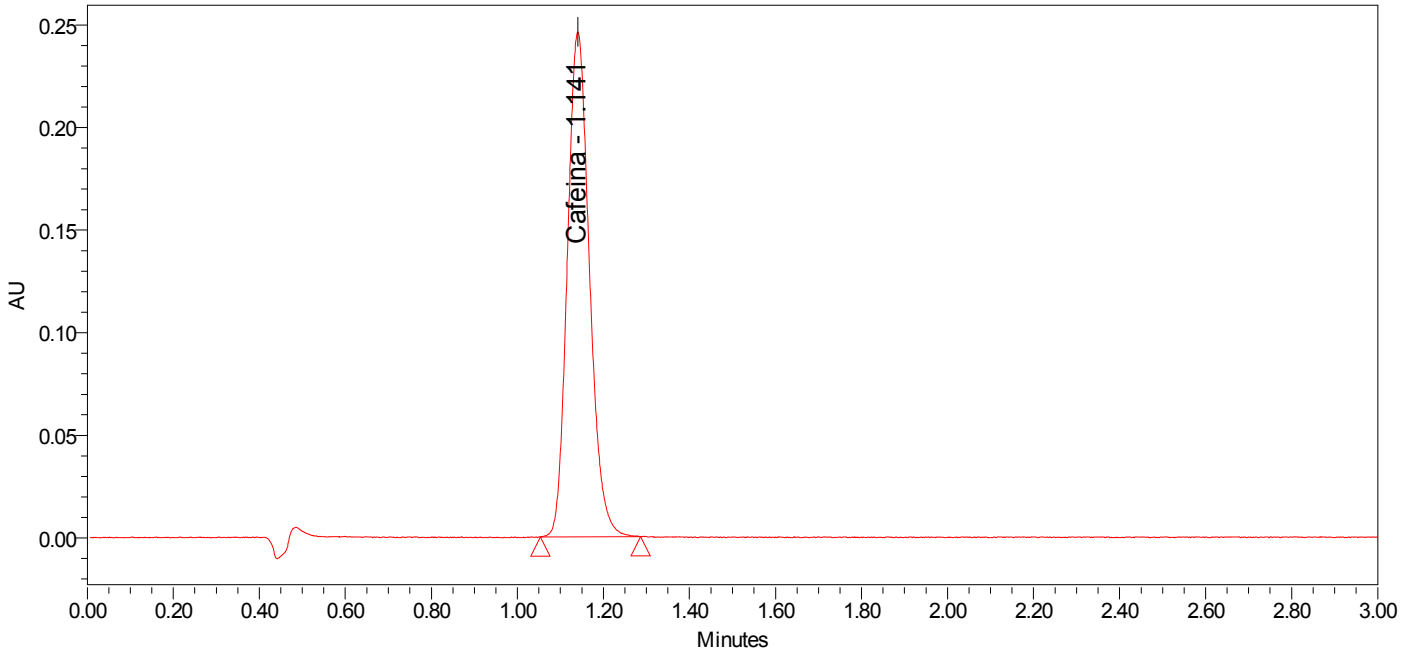
Peak Results

	Cafeina	1.142	590775	160853		

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:	22-Sep-26 3:18:43 PM BRT		
Date Processed:	22-Sep-26 3:27:30 PM BRT		

Auto-Scaled Chromatogram



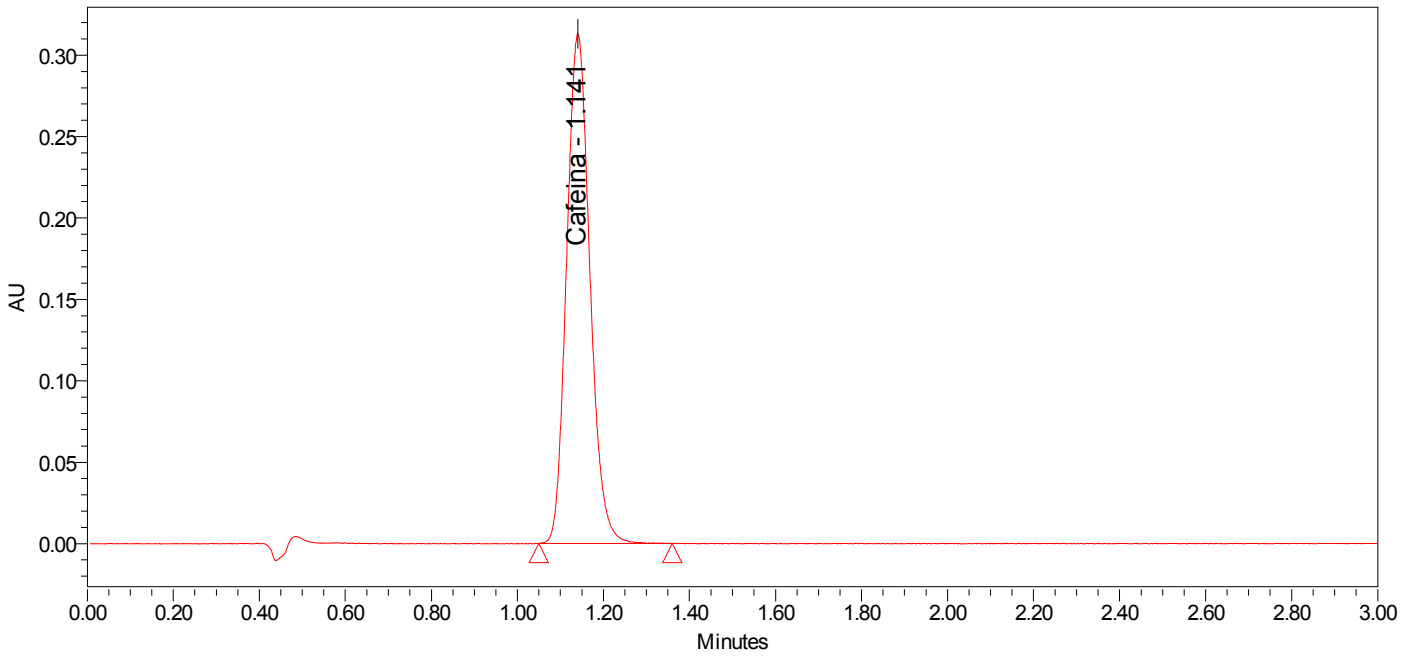
Peak Results

	Cafeina	1.141	875865	246141		

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:	22-Sep-26 3:22:36 PM BRT		
Date Processed:	22-Sep-26 3:27:41 PM BRT		

Auto-Scaled Chromatogram



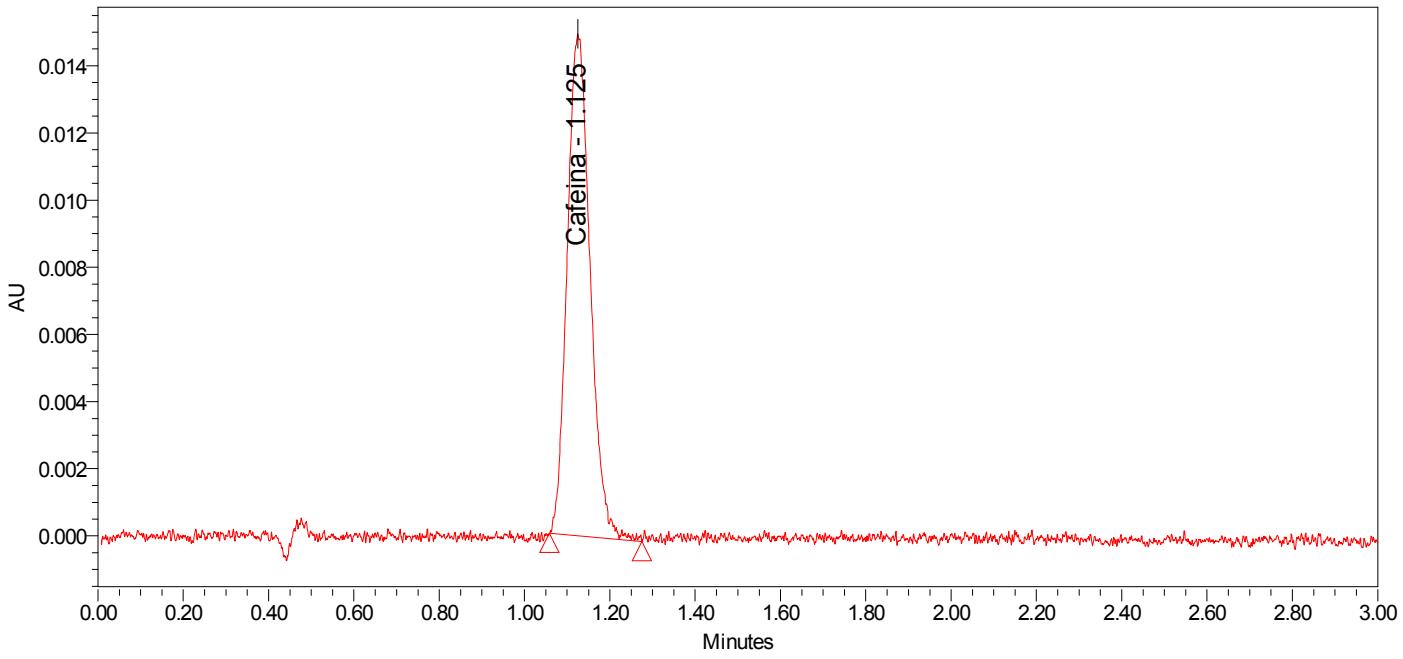
Peak Results

	Cafeina	1.141	1175585	312961		

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:	1.00 ul	Channel Name:	2998 Ch1 273nm@4.8nm
Run Time:	3.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 273nm@4.8nm
Date Acquired:	22-Sep-26 4:00:57 PM BRT		
Date Processed:	22-Sep-26 4:23:01 PM BRT		

Auto-Scaled Chromatogram



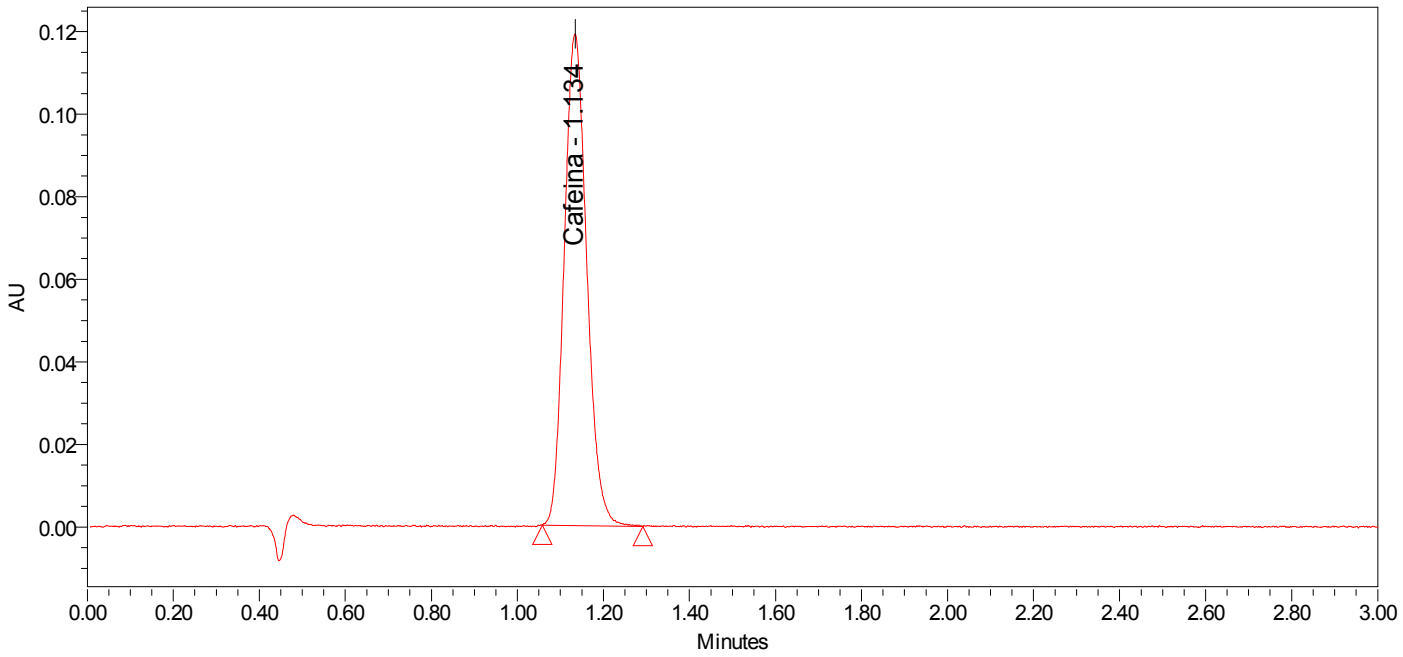
Peak Results

	Cafeina	1.125	55856	14945		

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:	22-Sep-26 4:04:46 PM BRT		
Date Processed:	22-Sep-26 4:23:10 PM BRT		

Auto-Scaled Chromatogram



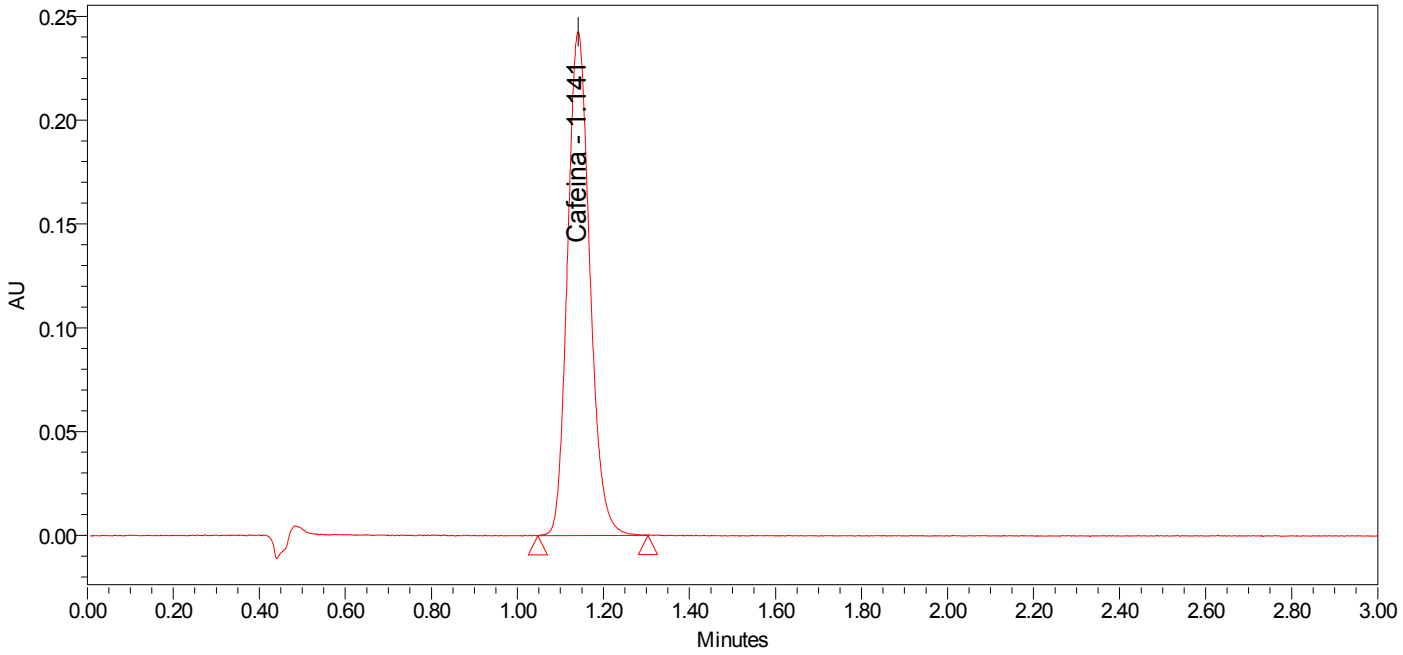
Peak Results

Cafeina	1.134	433343	119151		

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:	22-Sep-26 4:08:38 PM BRT		
Date Processed:	22-Sep-26 4:23:24 PM BRT		

Auto-Scaled Chromatogram



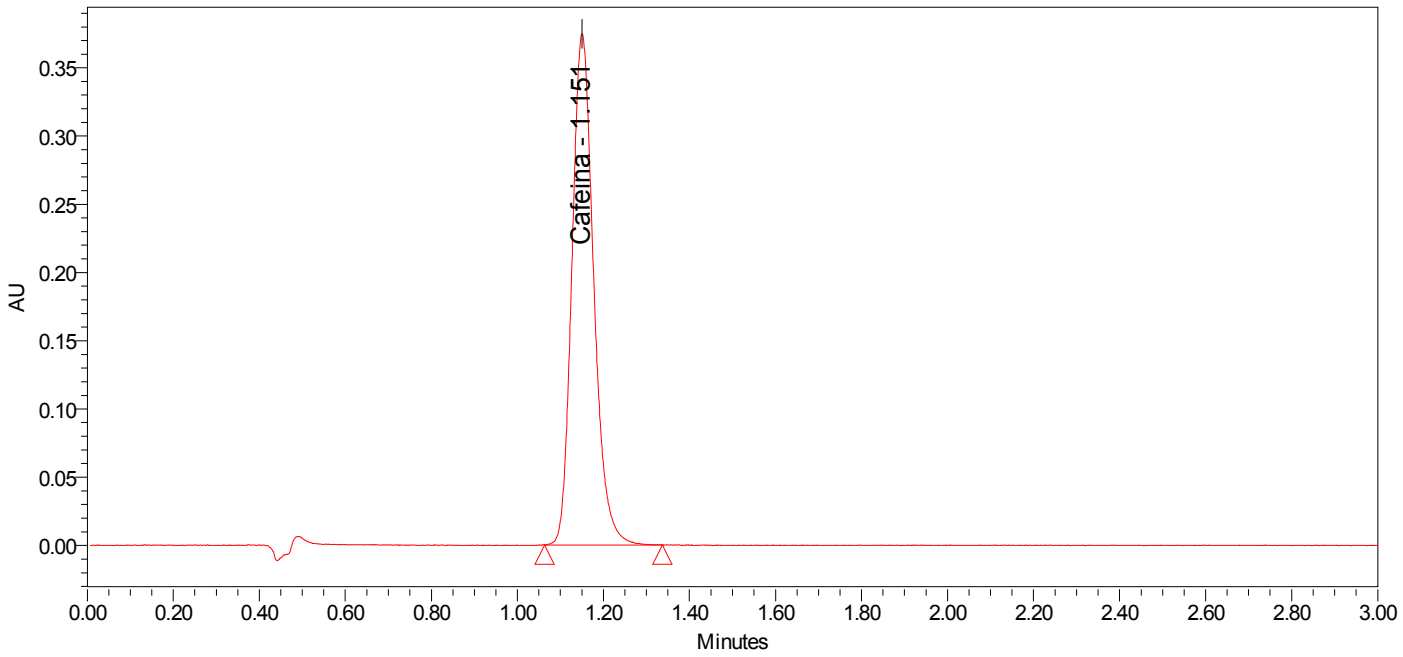
Peak Results

	Cafeina	1.141	874003	242593		

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:	22-Sep-26 4:12:33 PM BRT		
Date Processed:	22-Sep-26 4:23:36 PM BRT		

Auto-Scaled Chromatogram



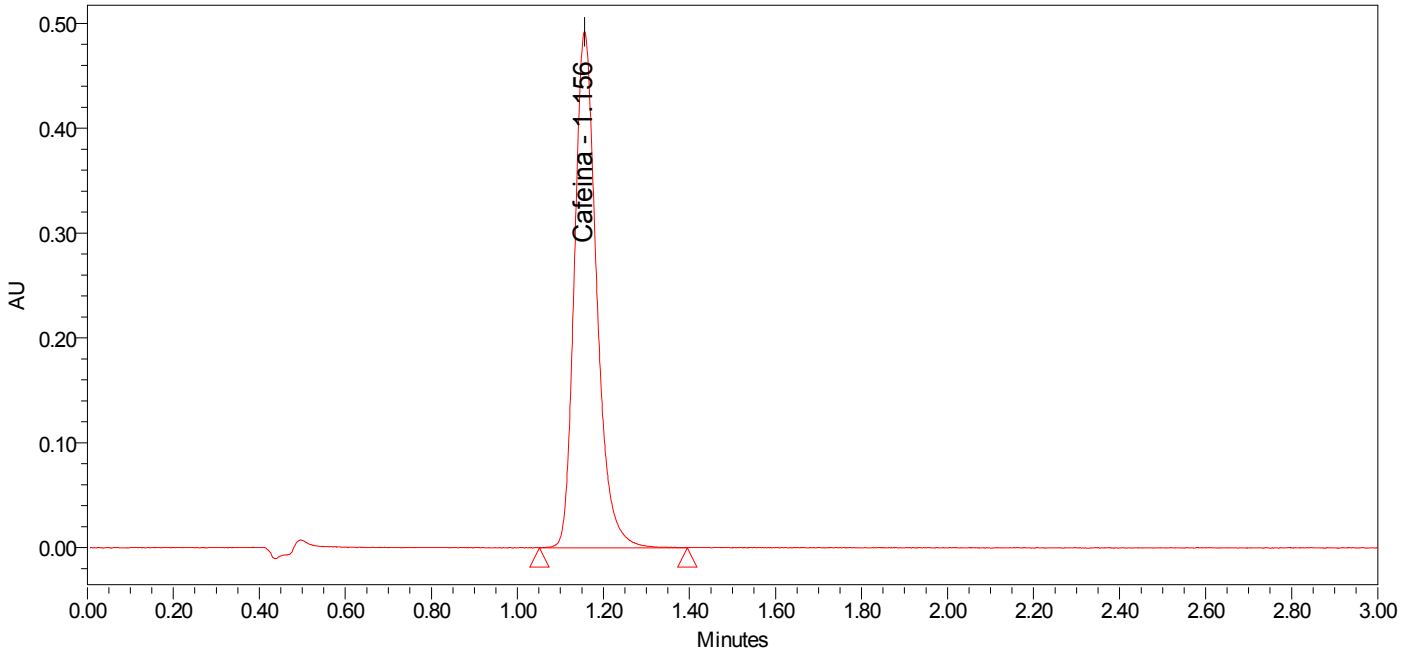
Peak Results

	Cafeina	1.151	1315095	374801		

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:	22-Sep-26 4:16:29 PM BRT		
Date Processed:	22-Sep-26 4:23:48 PM BRT		

Auto-Scaled Chromatogram



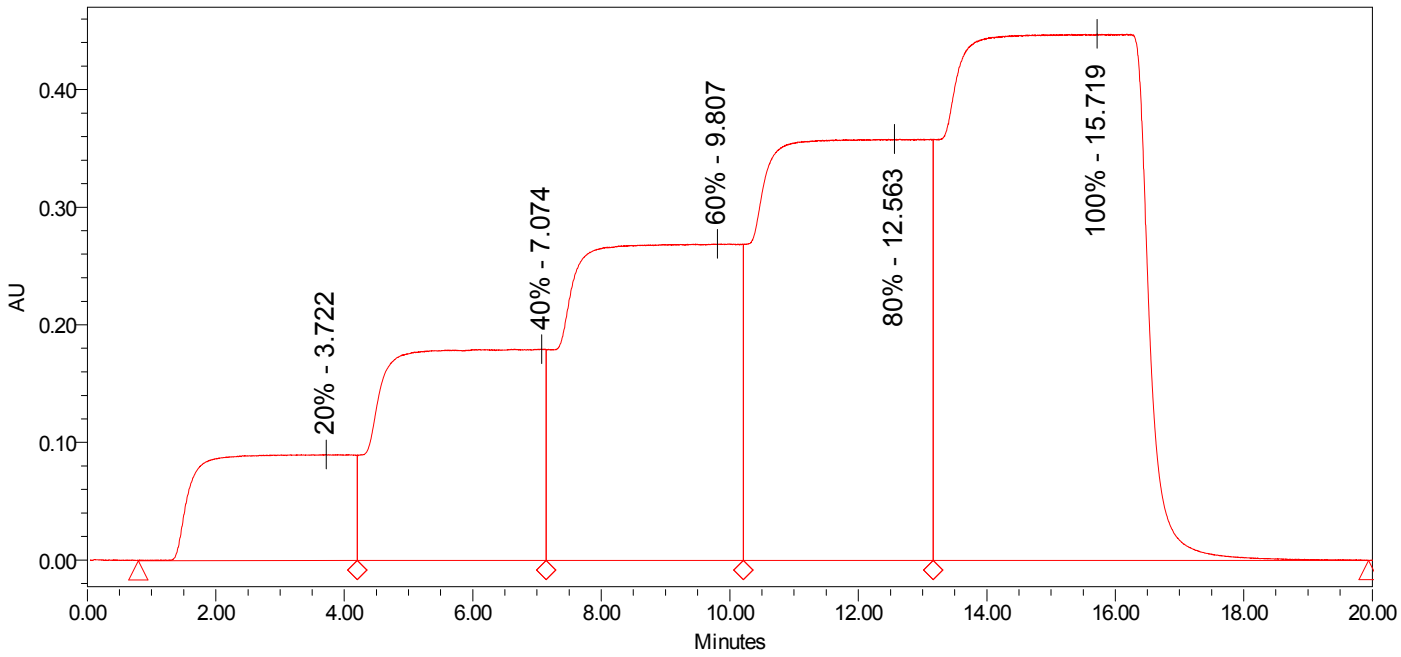
Peak Results

	Cafeina	1.156	1758162	492332		

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:	23-Sep-26 8:43:35 AM BRT		
Date Processed:	23-Sep-26 9:04:09 AM BRT		

Auto-Scaled Chromatogram



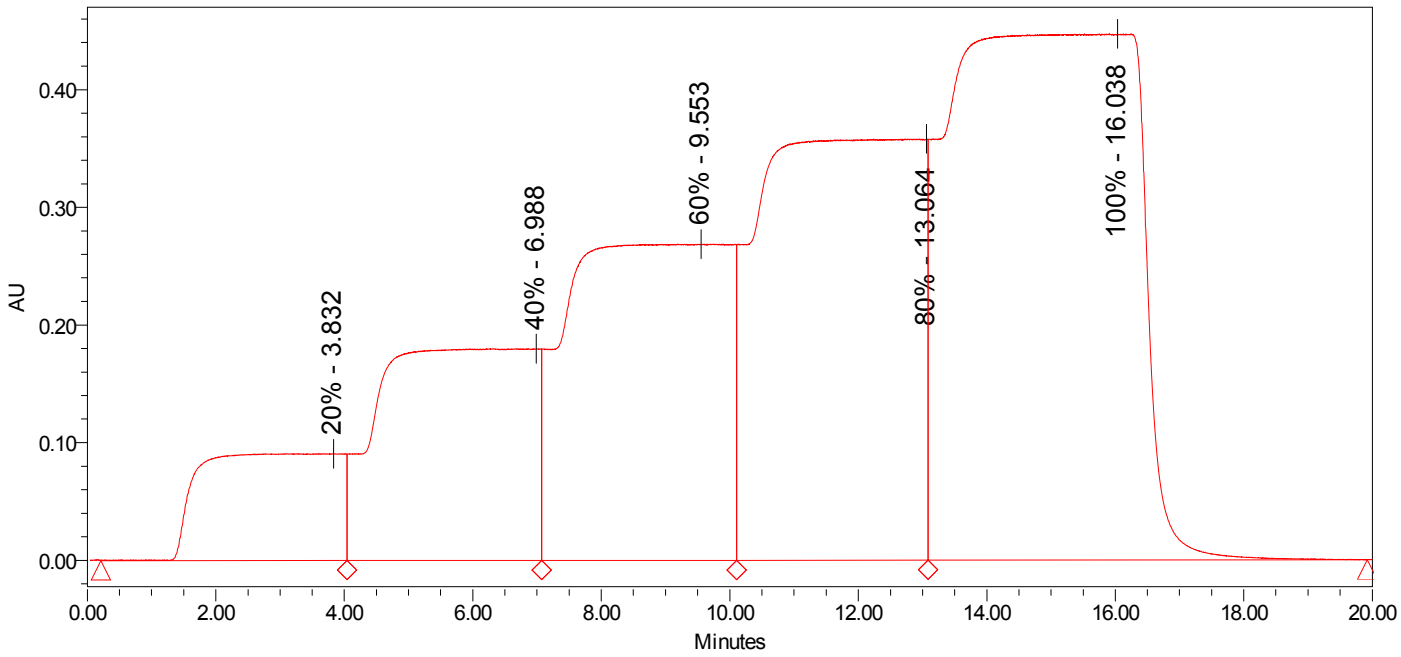
Peak Results

20%	3.722	14177097	90122		
40%	7.074	29651575	179839		
60%	9.807	47235953	269337		
80%	12.563	61564138	358428		
100%	15.719	89221244	447755		

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:	23-Sep-26 9:09:01 AM BRT		
Date Processed:	23-Sep-26 9:32:00 AM BRT		

Auto-Scaled Chromatogram



Peak Results

20%	3.832	13445884	90708		
40%	6.988	29867782	179955		
60%	9.553	46237985	268779		
80%	13.064	61453961	358016		
100%	16.038	90788362	447186		