UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (b)

			(Amendment No.)*		
			Natera, Inc.		
			(Name of Issuer)		
			Common Stock, par value \$0.0001 per share		
			(Title of Class of Securities)		
			632307104		
			(CUSIP Number)		
			December 31, 2016		
			(Date of Event Which Requires Filing of this Statement)		
Check the app	propriat	e box to	designate the rule pursuant to which this Schedule is filed:		
0	Rule	13d-1(b			
0	Rule	13d-1(c			
X	Rule	13d-1(d)		
*The remaind	ler of th	is cover	page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for		
			containing information which would alter disclosures provided in a prior cover page.		
The informati	on requ	iired on	the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act		
			subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes)		
CUSIP No. 6	5323071	104	13 G		
			15 0		
1	Name	s of Ren	orting Persons.		
1			nture Partners VIII, L.P.		
2	Check the Appropriate Box if a Member of a Group*				
	(a)	0			
	(b)	x (1)			
3	SEC U	Jse Only	T		
4		nship or an Island	Place of Organization		
		5	Sole Voting Power		
			0 shares		
Number of Shares		6	Shared Voting Power		
Beneficially			0 shares		
Owned by Each		_			
Reporting		7	Sole Dispositive Power 0 shares		
Person With					

Shared Dispositive Power

0 shares

8

9	Aggregate Amount Beneficially Owned by Each Reporting Person 0 shares					
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o					
11	Percent of C	Percent of Class Represented by Amount in Row 9 0%				
12	Type of Reporting Person* PN					
General Pa Islands ex ("Schaepe	artner VIII, L empted comp " and togethe	iled by Lightspeed Venture Partners VIII, L.P., a Cayman Islands exempted limited partnership ("Lightspeed VIII"), Lightspeed a.P., a Cayman Islands exempted limited partnership ("LGP VIII"), Lightspeed Ultimate General Partner VIII, Ltd., a Cayman bany ("LUGP VIII"), Barry Eggers ("Eggers"), Ravi Mhatre ("Mhatre"), Peter Y. Nieh ("Nieh") and Christopher J. Schaepe with Lightspeed VIII, LGP VIII, LUGP VIII, Eggers, Mhatre and Nieh, collectively, the "Reporting Persons"). The Reporting aim status as a "group" for purposes of this Schedule 13G.				
		2				
CUSIP No. 6	32307104	13 G				
1	Names of Reporting Persons. Lightspeed General Partner VIII, L.P.					
2	Check the Appropriate Box if a Member of a Group* (a) 0					
	(b) x (1	1)				
3	SEC Use Or	nly				
4	Citizenship or Place of Organization Cayman Islands					
	5	Sole Voting Power 0 shares				
Number of Shares Beneficially	6	Shared Voting Power 0 shares				
Owned by Each Reporting Person With	7	Sole Dispositive Power 0 shares				
	8	Shared Dispositive Power 0 shares				
9	Aggregate Amount Beneficially Owned by Each Reporting Person 0 shares					
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o					
11	Percent of Class Represented by Amount in Row 9 0.0%					
12	Type of Reporting Person*					

(1) This Sch	edule 13	G is file	ed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.						
,		5 111	3						
CUSIP No. 6	5323071	04	13 G						
1	Names Lightsp	Names of Reporting Persons. Lightspeed Ultimate General Partner VIII, Ltd.							
2	Check the Appropriate Box if a Member of a Group*								
	(a)	0							
	(b)	x (1)							
3	SEC U	se Only							
4	Citizen Cayma		Place of Organization Is						
		5	Sole Voting Power 0 shares						
Number of Shares Beneficially		6	Shared Voting Power 0 shares						
Owned by Each Reporting Person With		7	Sole Dispositive Power 0 shares						
		8	Shared Dispositive Power 0 shares						
9	Aggregate Amount Beneficially Owned by Each Reporting Person 0 shares								
10	Check	Box if t	he Aggregate Amount in Row (9) Excludes Certain Shares* o						
11	Percent of Class Represented by Amount in Row 9 0.0%								
12	Type of Reporting Person* OO								
(1) This Sch	edule 13	G is fil	ed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.						
			4						
CUSIP No. 6	6323071	04	13 G						
1	Names Barry I		orting Persons.						

PN

2

Check the Appropriate Box if a Member of a Group*

	(a)	0						
	(b)	x (1)						
3	SEC Use Only							
4	Citizenship or Place of Organization United States of America							
	5 Sole Voting Power 0 shares							
Number of Shares Beneficially		6 Shared Voting Power 0 shares						
Owned by Each Reporting Person With		7 Sole Dispositive Power 0 shares						
		8 Shared Dispositive Power 0 shares						
9	Aggreg 0 share		ount Beneficially Owned by Each Reporting Person					
10	Check	Box if tl	ne Aggregate Amount in Row (9) Excludes Certain Shares* o					
11	Percent of Class Represented by Amount in Row 9 0.0%							
12	Type of Reporting Person* IN							
(1) This Sch	edule 13	G is file	d by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.					
CUSIP No. 6	5323071	04	13 G					
1	Names of Reporting Persons. Ravi Mhatre							
2	Check the Appropriate Box if a Member of a Group* (a) o							
	(b) <u>x (1)</u>							
3	SEC Use Only							
4	Citizenship or Place of Organization United States of America							
Number of Shares		5	Sole Voting Power 37,934 shares					
Beneficially Owned by Each		6	Shared Voting Power 0 shares					

Reporting Person With	ting n With 7 Sole Dispositive Power 37,934 shares							
		8	Shared Dispositive Power 0 shares					
9		Aggregate Amount Beneficially Owned by Each Reporting Person 37,934 shares						
10	Check	Box if th	ne Aggregate Amount in Row (9) Excludes Certain Shares* o					
11		Percent of Class Represented by Amount in Row 9 0.07%(2)						
12	Type of Reporting Person* IN							
(1) This Scho (2) This perc filed on N	entage	is calcula	ed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G. ated based upon 52,382,613 shares of Common Stock outstanding as of October 31, 2016 as indicated in the Issuer's Form 10-Q 016.					
CUSIP No. 6	5323071	04	13 G					
			15 G					
1	Names of Reporting Persons. Peter Y. Nieh							
2			ropriate Box if a Member of a Group*					
	(a) (b)	(a) 0 (b) x (1)						
	(5)	X (1)						
3	SEC U	se Only						
4	Citizenship or Place of Organization United States of America							
		5	Sole Voting Power 0 shares					
Number of Shares Beneficially Owned by Each Reporting Person With	7		Shared Voting Power 0 shares					
			Sole Dispositive Power 0 shares					
	8 Shared Dispositive Power 0 shares							
9	Aggreg		ount Beneficially Owned by Each Reporting Person					
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o							

11	Percent of Class Represented by Amount in Row 9 0.0% (3)							
12	Type of Reporting Person* IN							
(1) This Sch	edule 13	3G is fi	lled by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.					
CUSIP No. 6	5323071	04	13 G					
1			porting Persons. Schaepe					
2		-	Appropriate Box if a Member of a Group*					
	(a) (b)	o x (1)						
2								
3	SEC U	se Oni	y					
4	Citizen United	ship o	r Place of Organization of America					
		5	Sole Voting Power					
Number of Shares Beneficially		6	Shared Voting Power 0 shares					
Owned by Each Reporting Person With		7	Sole Dispositive Power					
r croom vvium		8	Shared Dispositive Power 0 shares					
9	Aggregate Amount Beneficially Owned by Each Reporting Person 0 shares							
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o							
11	Percent of Class Represented by Amount in Row 9 0.0% (3)							
12	Type o	f Repo	rting Person*					
(1) This Sch	edule 13	3G is fi	lled by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.					

Item 1

(a) Name of Issuer:

Natera, Inc.

Address of Issuer's Principal Executive Offices:

201 Industrial Road, Suite 410

San Carlos, CA 94070

Item 2

(a) Name of Person(s) Filing:

Lightspeed Venture Partners VIII, L.P. ("Lightspeed VIII")

Lightspeed General Partner VIII, L.P. ("LGP VIII")

Lightspeed Ultimate General Partner VIII, Ltd. ("LUGP VIII")

Barry Eggers ("Eggers")

Ravi Mhatre ("Mhatre")

Peter Y. Nieh ("Nieh")

Christopher J. Schaepe ("Schaepe")

(b) Address of Principal Business Office:

c/o Lightspeed Venture Partners 2200 Sand Hill Road

Menlo Park, CA 94025

(b) Citizenship:

Entities:

Lightspeed VIII - Cayman Islands LGP VIII - Cayman Islands LUGP VIII - Cayman Islands

Individuals:

Eggers - United States of America
Mhatre - United States of America
Nieh - United States of America
Schaepe - United States of America

(d) Title of Class of Securities:

Common Stock

(e) CUSIP Number:

632307104

Item 3 Not applicable.

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Item 4 Ownership.

The following information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2016:

Reporting Persons	Shares Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class (1)
Lightspeed VIII	_	_	_	_	_	_	0.0%
LGP VIII	_	_	_	_	_	_	0.0%
LUGP VIII	_	_	_	_	_	_	0.0%
Eggers	_	_	_	_	_	_	0.0%
Mhatre	37,934	37,934	_	37,934	_	37,934	0.07%
Nieh	_	_	_	_	_	_	0.0%
Schaepe	_	_	_	_	_	_	0.0%

⁽¹⁾ This percentage is calculated based upon 52,382,613 shares of Common Stock outstanding as of October 31, 2016 as indicated in the Issuer's Form 10-Q filed on November 14, 2016.

Item 5 Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof, the reporting persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following: x

Item 6 Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company. Not applicable. Item 8 Identification and Classification of Members of the Group. Not applicable. Item 9 Notice of Dissolution of Group. Not applicable. Item 10 Certification. Not applicable. 10 **SIGNATURE** After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct. Dated: February 14, 2017 Lightspeed Venture Partners VIII, L.P. By: Lightspeed General Partner VIII, L.P. General Partner Its: By: Lightspeed Ultimate General Partner VIII, Ltd. General Partner Its: By: /s/ Christopher J. Schaepe Authorized Representative Lightspeed General Partner VIII, L.P. By: Lightspeed Ultimate General Partner VIII, Ltd. General Partner Its: By: /s/ Christopher J. Schaepe Authorized Representative Lightspeed Ultimate General Partner VIII, Ltd. By: /s/ Christopher J. Schaepe Authorized Representative By: /s/ Barry Eggers **Barry Eggers** /s/ Ravi Mhatre By: Ravi Mhatre /s/ Peter Y. Nieh By: Peter Y. Nieh By: /s/ Christopher J. Schaepe Christopher J. Schaepe 11

EXHIBIT A

JOINT FILING STATEMENT

We, the undersigned, hereby express our agreement that the attached Schedule 13G (or any amendments thereto) relating to the Common Stock of Natera, Inc. is filed on behalf of each of us.

Dated: February 14, 2017

Lightspeed Venture Partners VIII, L.P.

By: Lightspeed General Partner VIII, L.P.

Its: General Partner

By: Lightspeed Ultimate General Partner VIII, Ltd.

Its: General Partner

By: /s/ Christopher J. Schaepe

Authorized Representative

Lightspeed General Partner VIII, L.P.

By: Lightspeed Ultimate General Partner VIII, Ltd.

Its: General Partner

By: /s/ Christopher J. Schaepe

Authorized Representative

${\bf Light speed\ Ultimate\ General\ Partner\ VIII, Ltd.}$

By: /s/ Christopher J. Schaepe

Authorized Representative

By: /s/ Barry Eggers

Barry Eggers

By: /s/ Ravi Mhatre

Ravi Mhatre

By: /s/ Peter Y. Nieh

Peter Y. Nieh

By: /s/ Christopher J. Schaepe

Christopher J. Schaepe