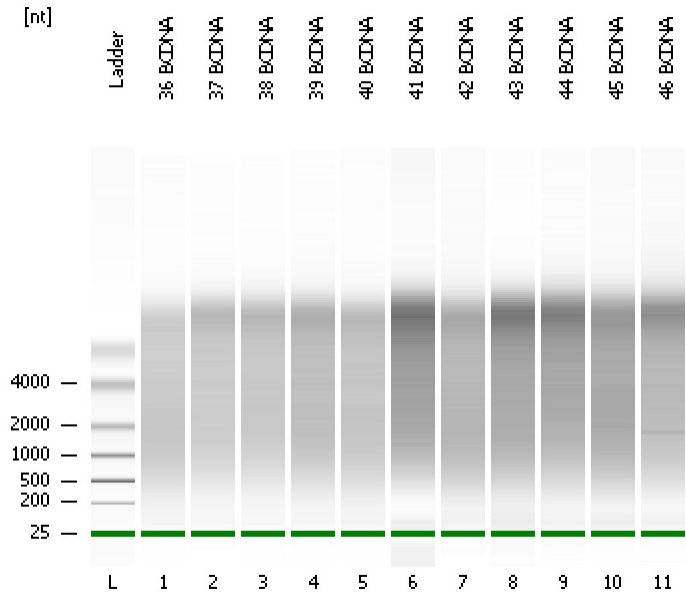


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

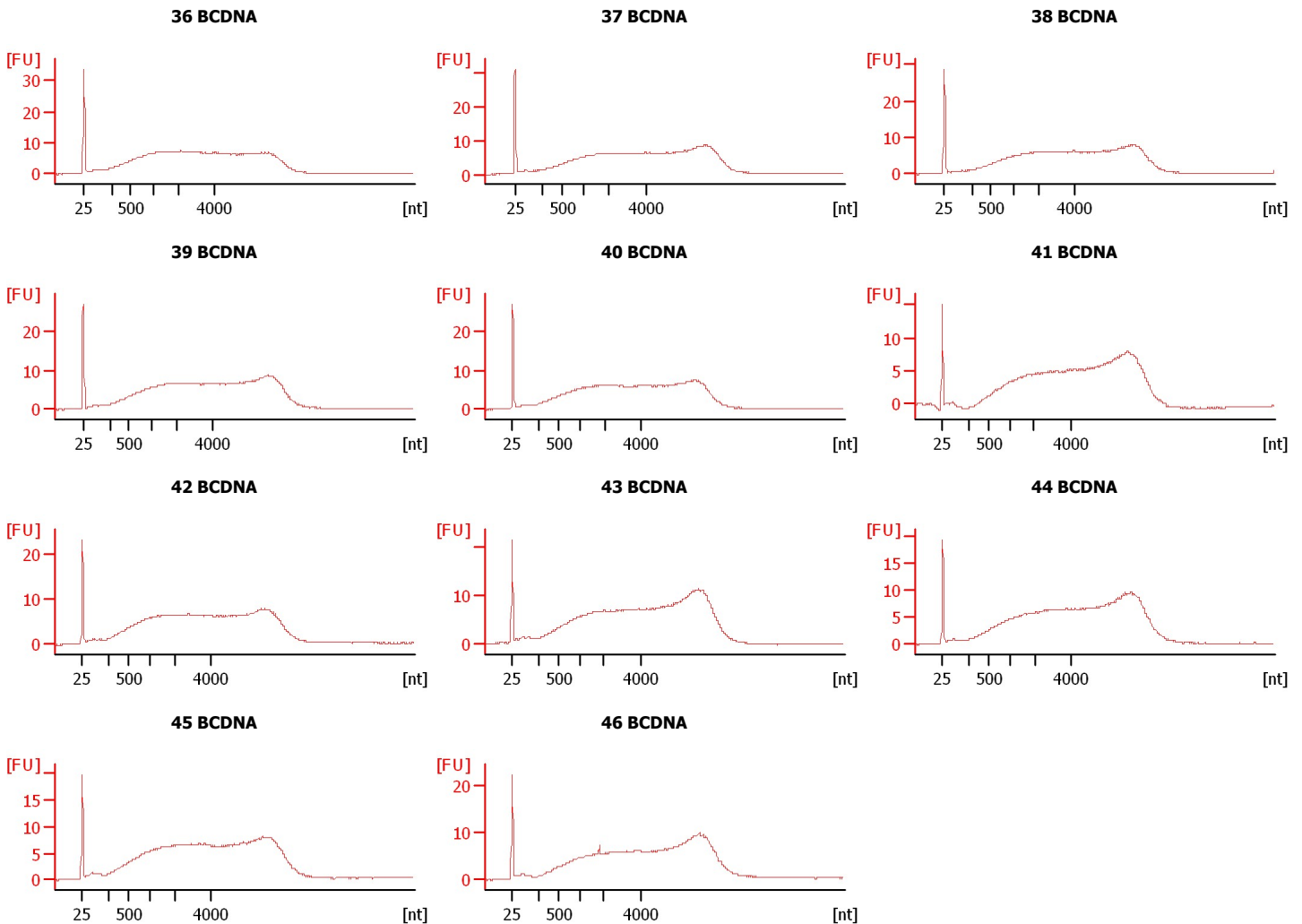
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #: Reagent Kit Lot #:
Chip Comments:



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
36 BCDNA		✓		
37 BCDNA		✓		
38 BCDNA		✓		
39 BCDNA		✓		
40 BCDNA		✓		
41 BCDNA		✓		
42 BCDNA		✓		
43 BCDNA		✓		
44 BCDNA		✓		
45 BCDNA		✓		
46 BCDNA		✓		
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 14

Maximum Visible Range [s] : 85

Start Analysis Time Range [s] : 15

End Analysis Time Range [s] : 84

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 15

Integration End Time [s] : 84

Slope Threshold : 0.2

Height Threshold [FU] : 0.5

Area Threshold : 0.1

Width Threshold [s] : 0.2

Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

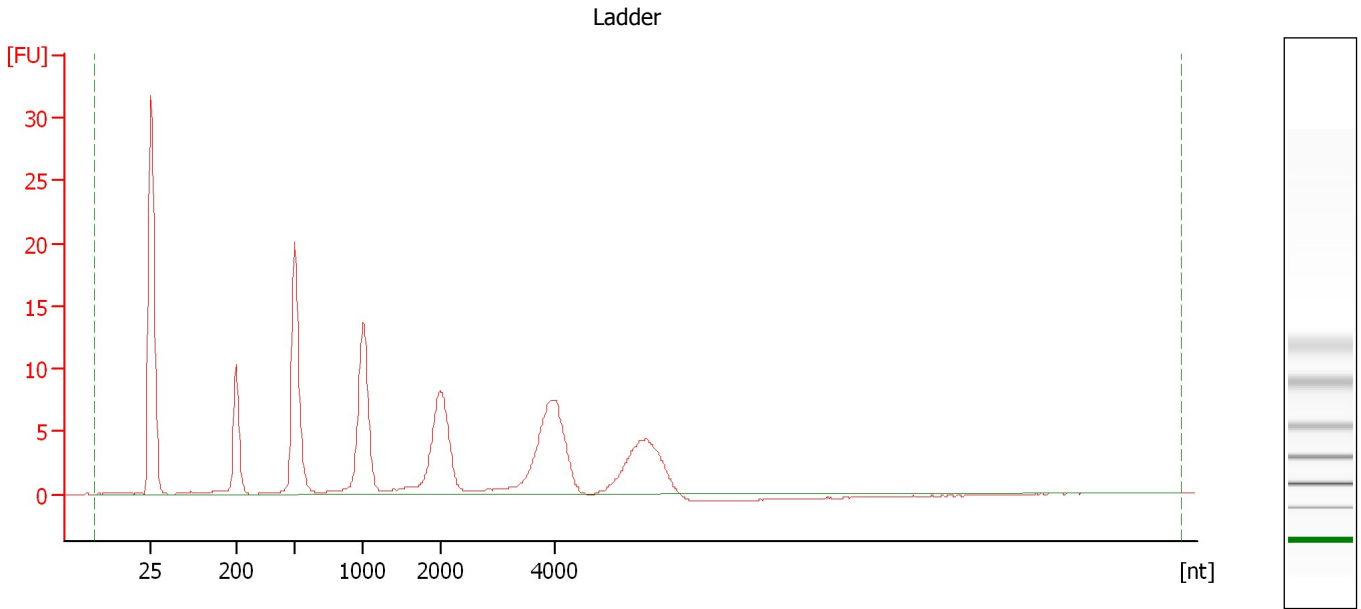
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary



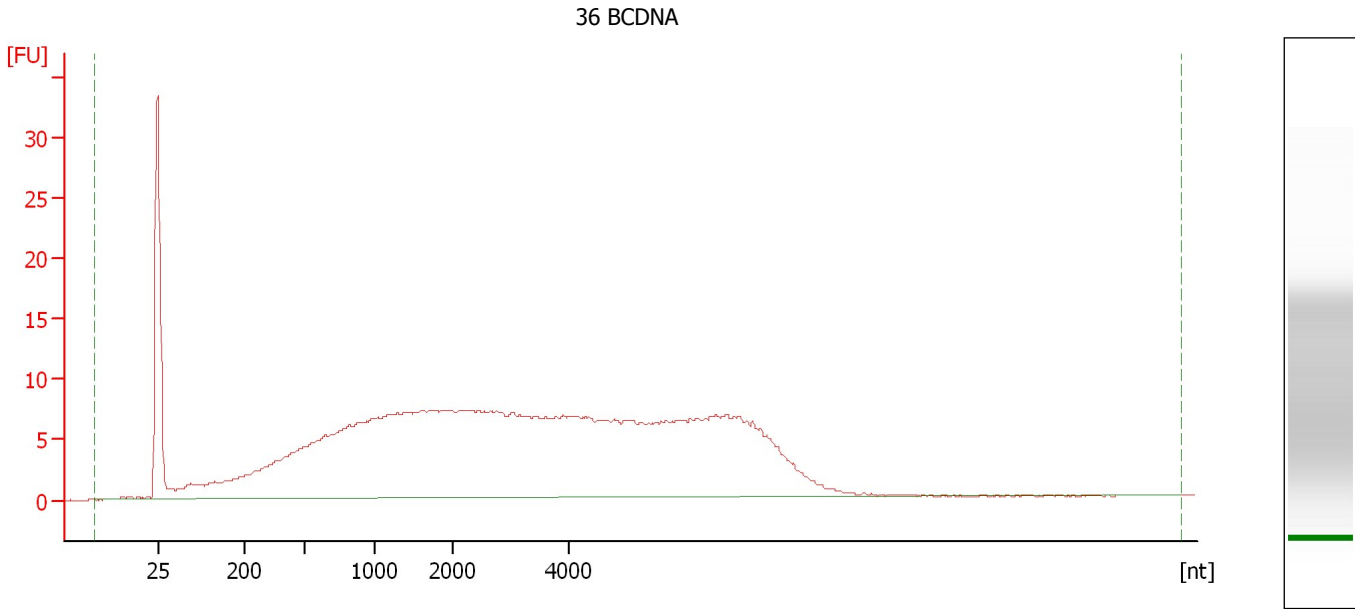
Overall Results for Ladder

RNA Area: 179.9 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



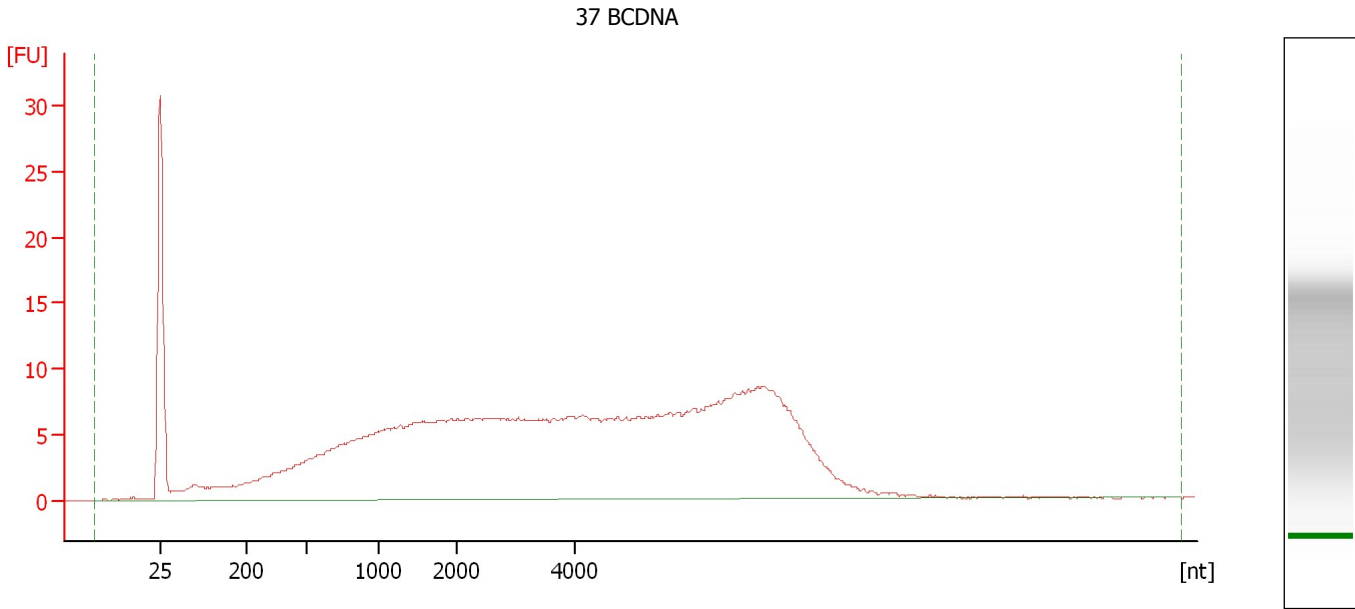
Overall Results for sample 1 : 36 BCDNA

RNA Area:	532.3	rRNA Contamination:	0.0 %
RNA Concentration:	2,959 pg/ μ l		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



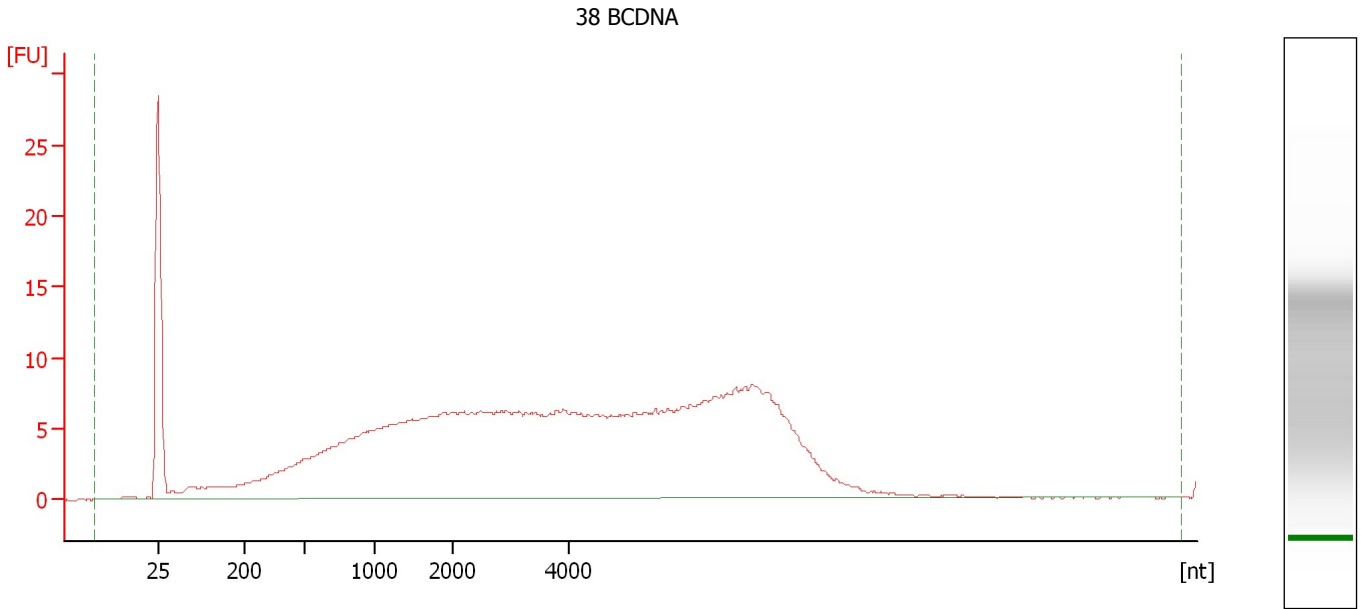
Overall Results for sample 2 : 37 BCDNA

RNA Area:	488.4	rRNA Contamination:	0.0 %
RNA Concentration:	2,715 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



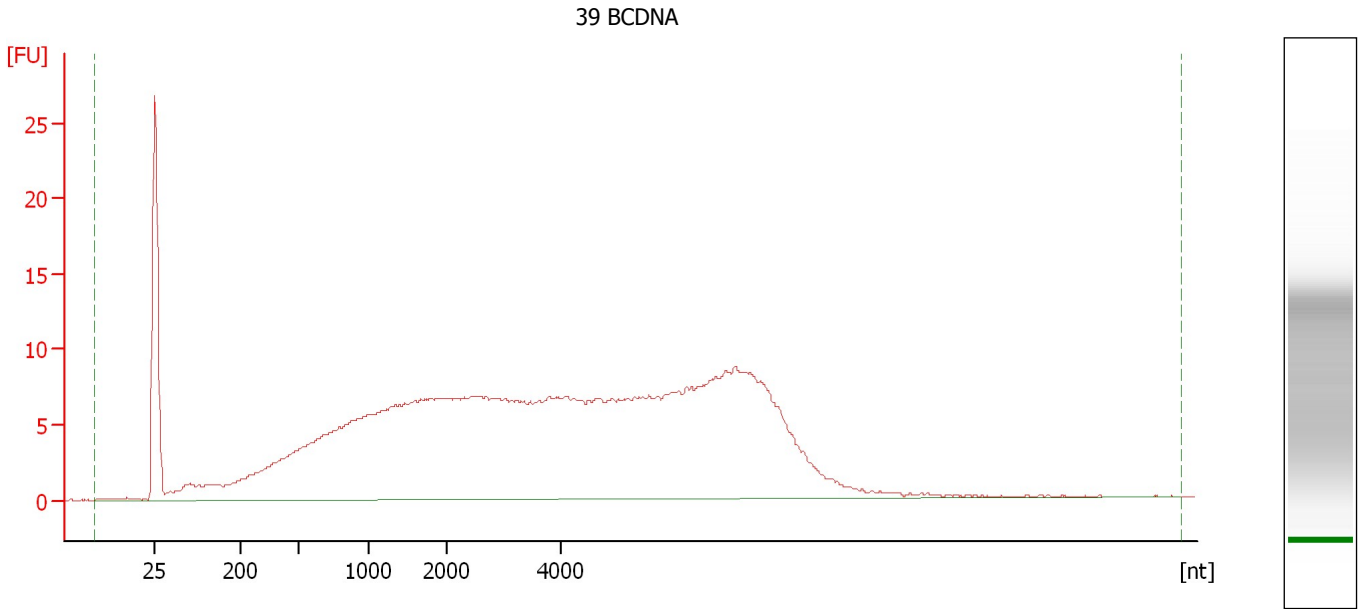
Overall Results for sample 3 : 38 BCDNA

RNA Area:	466.2	rRNA Contamination:	0.0 %
RNA Concentration:	2,591 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



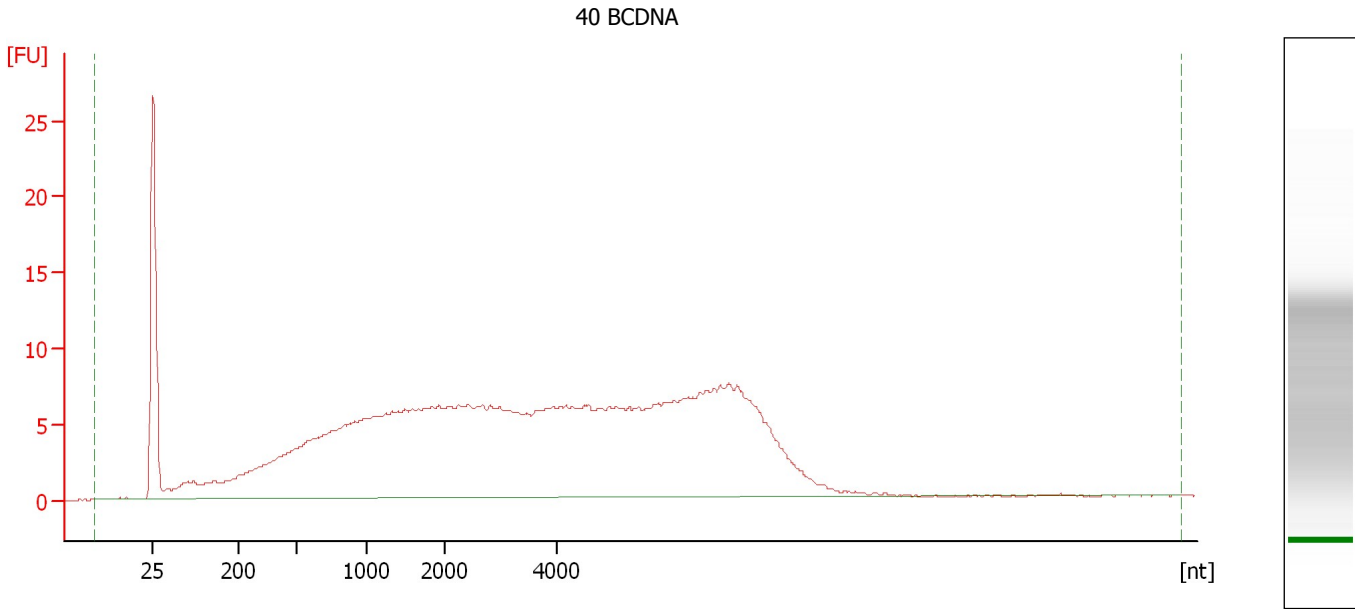
Overall Results for sample 4 : 39 BCDNA

RNA Area:	526.5	rRNA Contamination:	0.0 %
RNA Concentration:	2,927 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



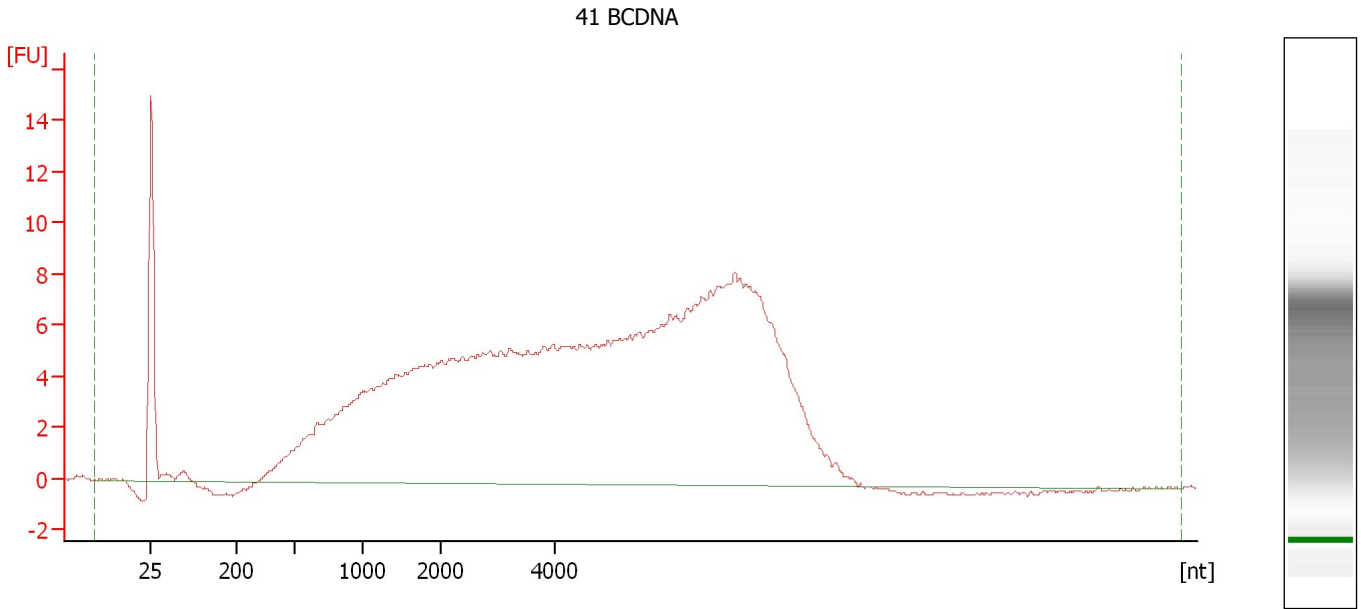
Overall Results for sample 5 : 40 BCDNA

RNA Area:	470.2	rRNA Contamination:	0.0 %
RNA Concentration:	2,614 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



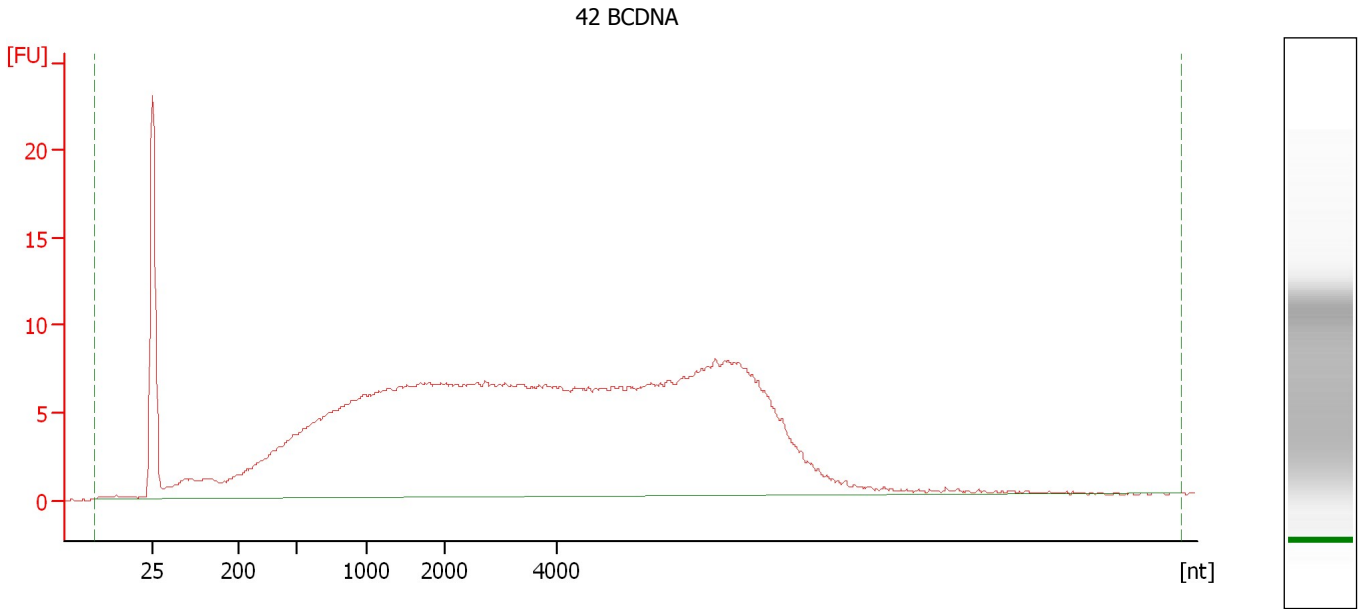
Overall Results for sample 6 : 41 BCDNA

RNA Area:	375.3	rRNA Contamination:	0.0 %
RNA Concentration:	2,086 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



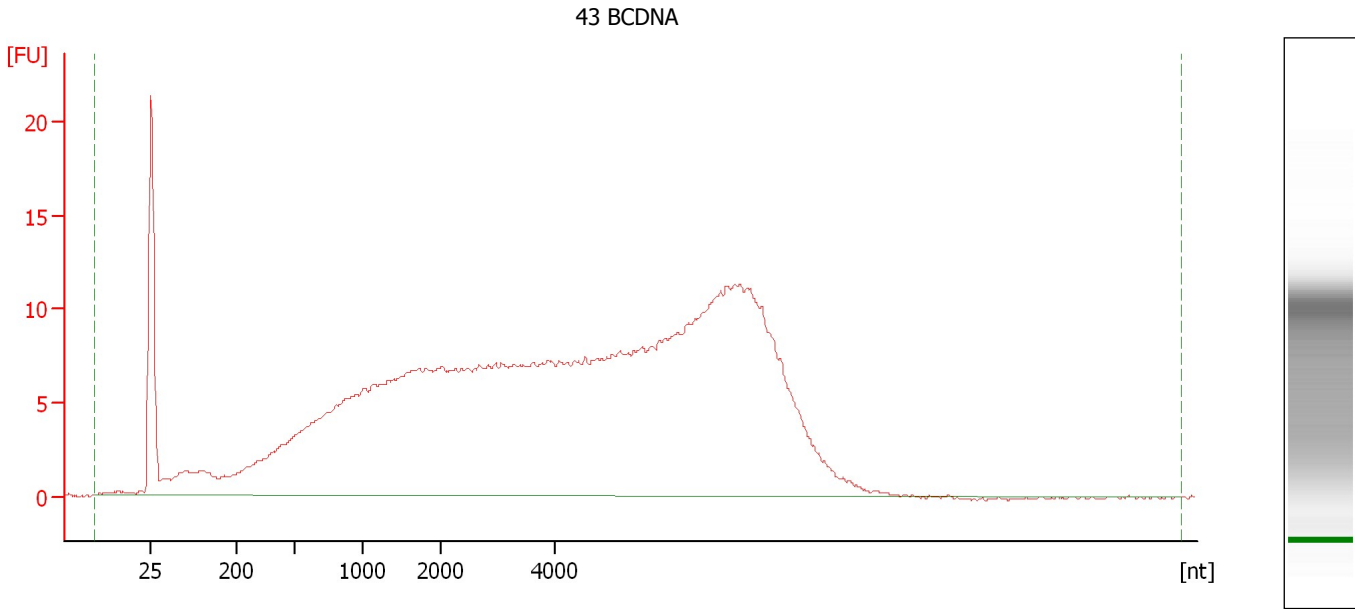
Overall Results for sample 7 : 42 BCDNA

RNA Area: 509.9 rRNA Contamination: 0.0 %
RNA Concentration: 2,834 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



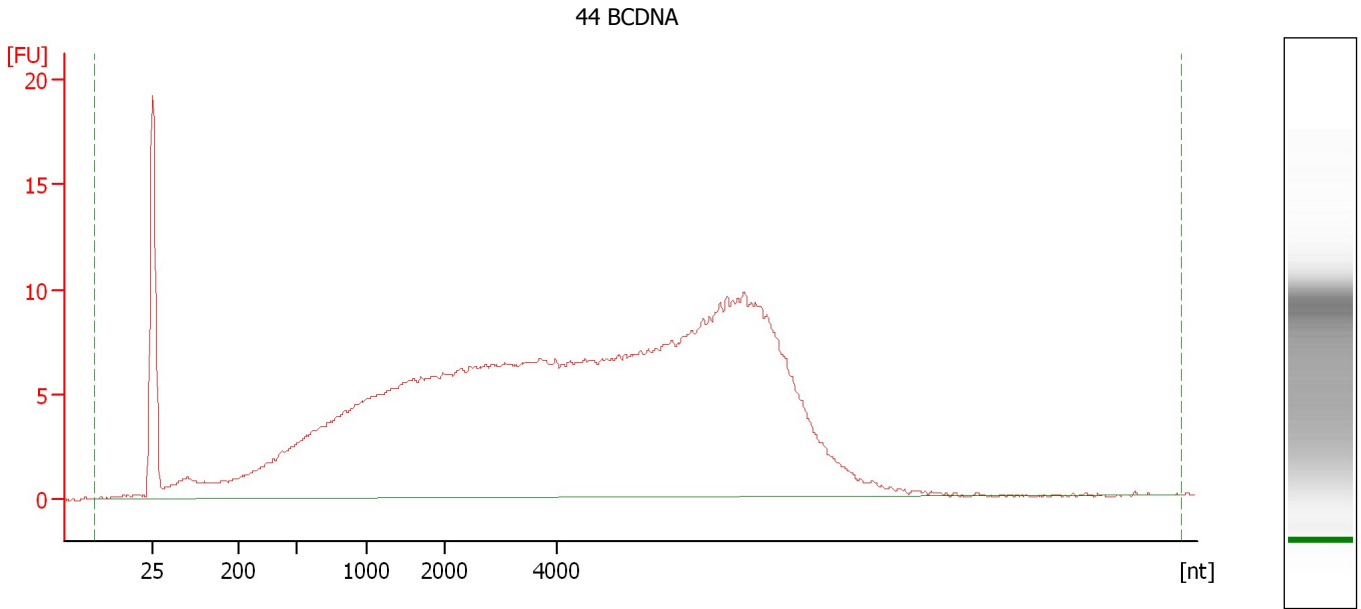
Overall Results for sample 8 : 43 BCDNA

RNA Area:	580.1	rRNA Contamination:	0.0 %
RNA Concentration:	3,224 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



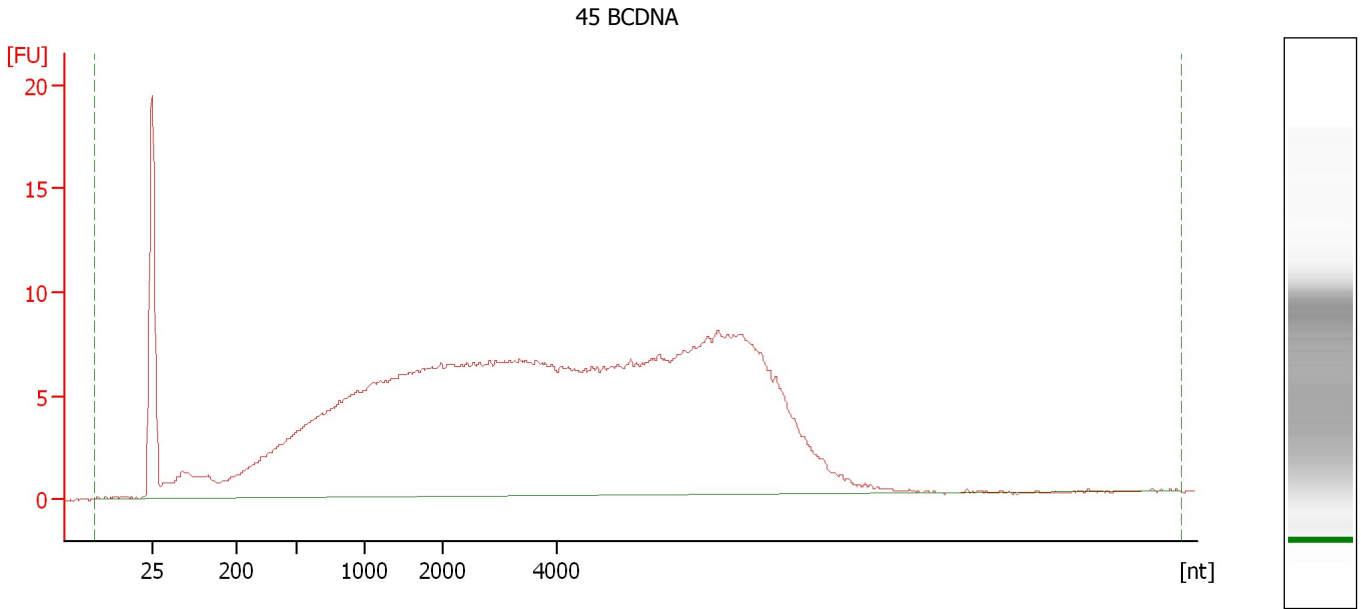
Overall Results for sample 9 : 44 BCDNA

RNA Area: 506.7 rRNA Contamination: 0.0 %
RNA Concentration: 2,816 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



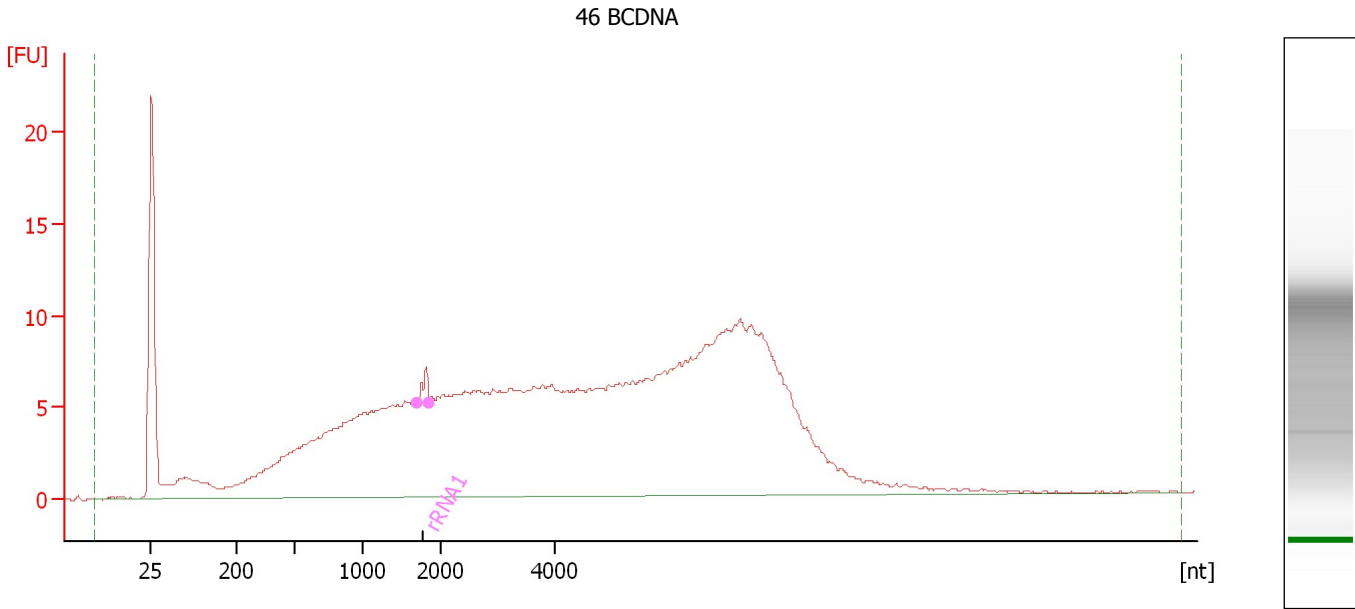
Overall Results for sample 10 : 45 BCDNA

RNA Area:	499.8	rRNA Contamination:	0.0 %
RNA Concentration:	2,778 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 46 BCDNA

RNA Area: 479.7 rRNA Contamination: 0.4 %
RNA Concentration: 2,666 pg/μl

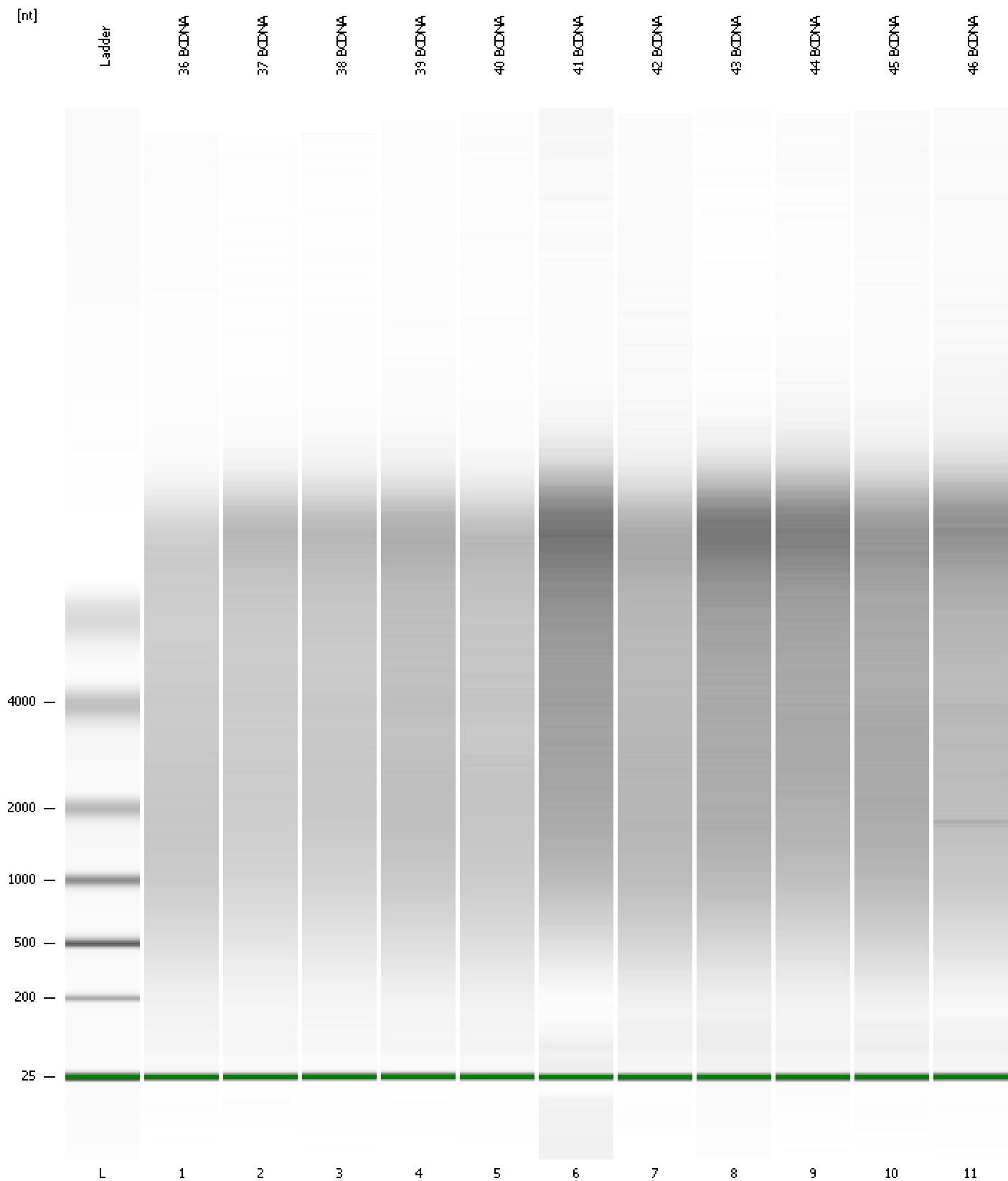
Fragment table for sample 11 : 46 BCDNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,690	1,855	1.7	0.4

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
Modified: 8/19/2016 12:53:37 PM

Gel Image



Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad

Created: 8/19/2016 12:27:43 PM
 Modified: 8/19/2016 12:53:37 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		8/19/2016 12:53:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-19\2016-08-19_003.xad)		Instrument	Run		8/19/2016 12:27:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/19/2016 12:27:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/19/2016 12:27:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/19/2016 12:27:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/19/2016 12:27:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/19/2016 12:27:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/19/2016 12:27:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1