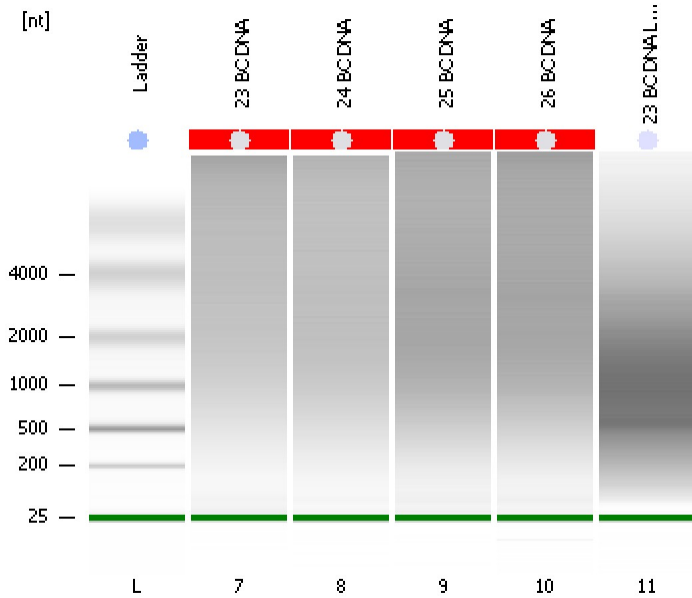


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
 Modified: 8/18/2016 4:05:05 PM

Electrophoresis File Run Summary



Instrument Information:

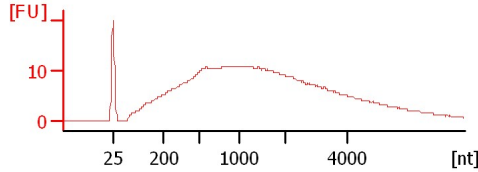
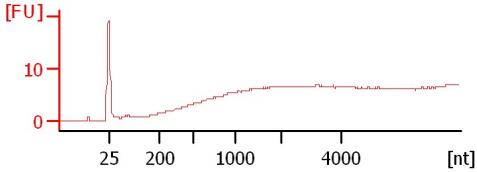
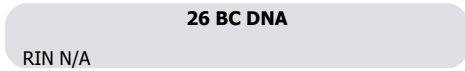
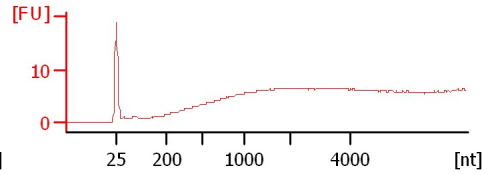
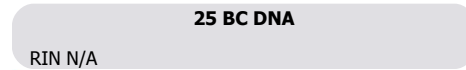
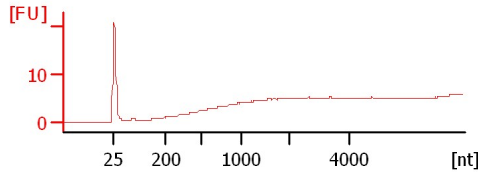
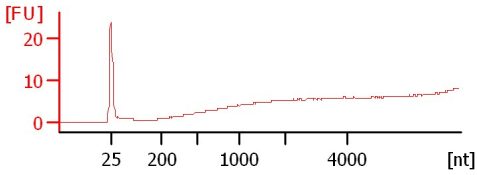
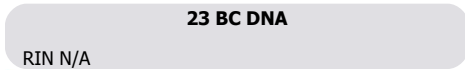
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
 Assay Class: Eukaryote Total RNA Pico
 Version: 2.6
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
 Modified: 8/18/2016 4:05:05 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
23 BC DNA		✓	RIN N/A	
24 BC DNA		✓	RIN N/A	
25 BC DNA		✓	RIN N/A	
26 BC DNA		✓	RIN N/A	
23 BC DNA Lutz		✓	RIN: 2.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

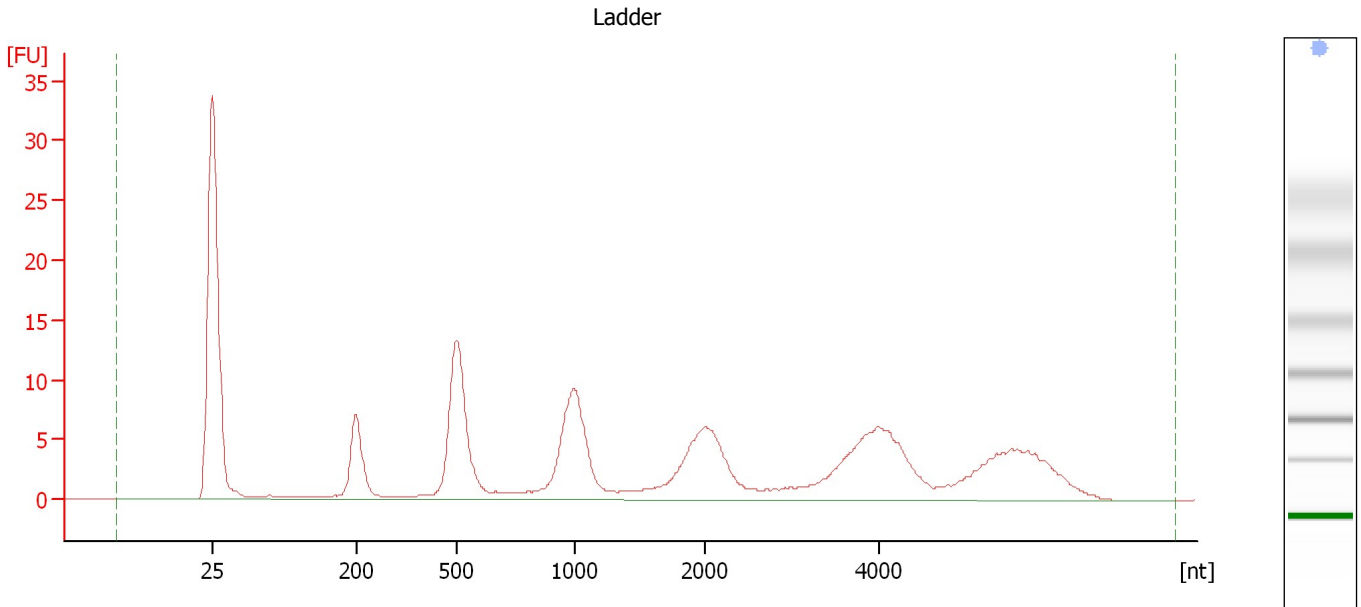
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Electropherogram Summary



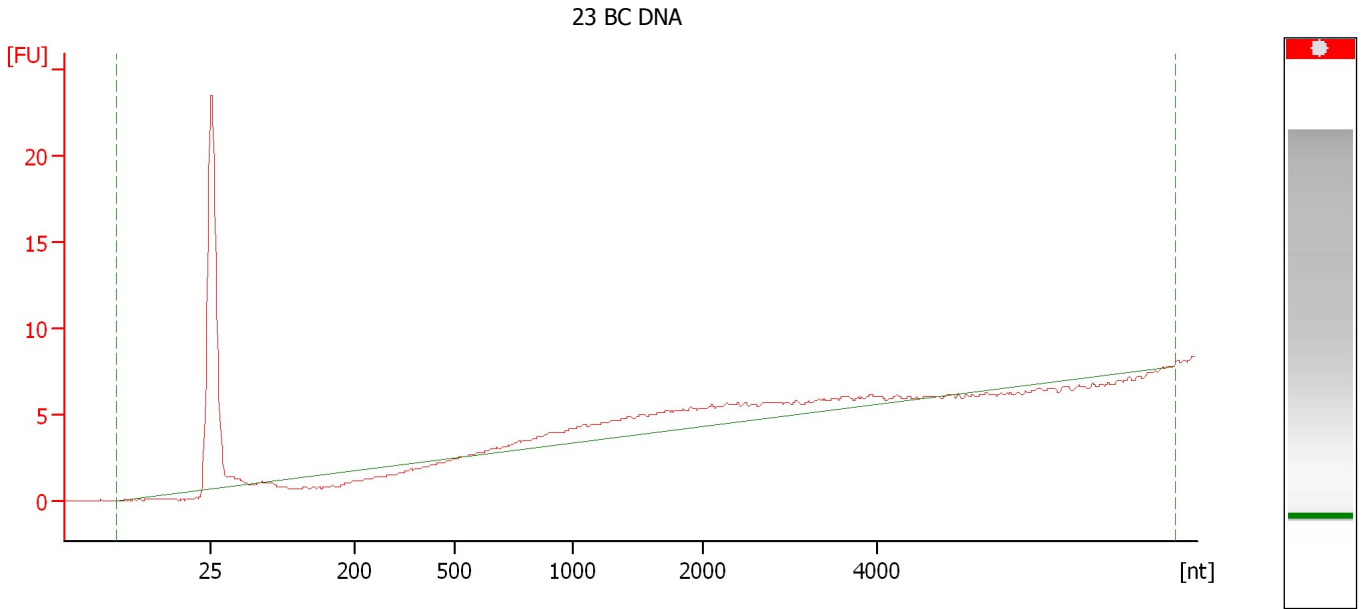
Overall Results for Ladder

RNA Area:	201.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Electropherogram Summary Continued ...



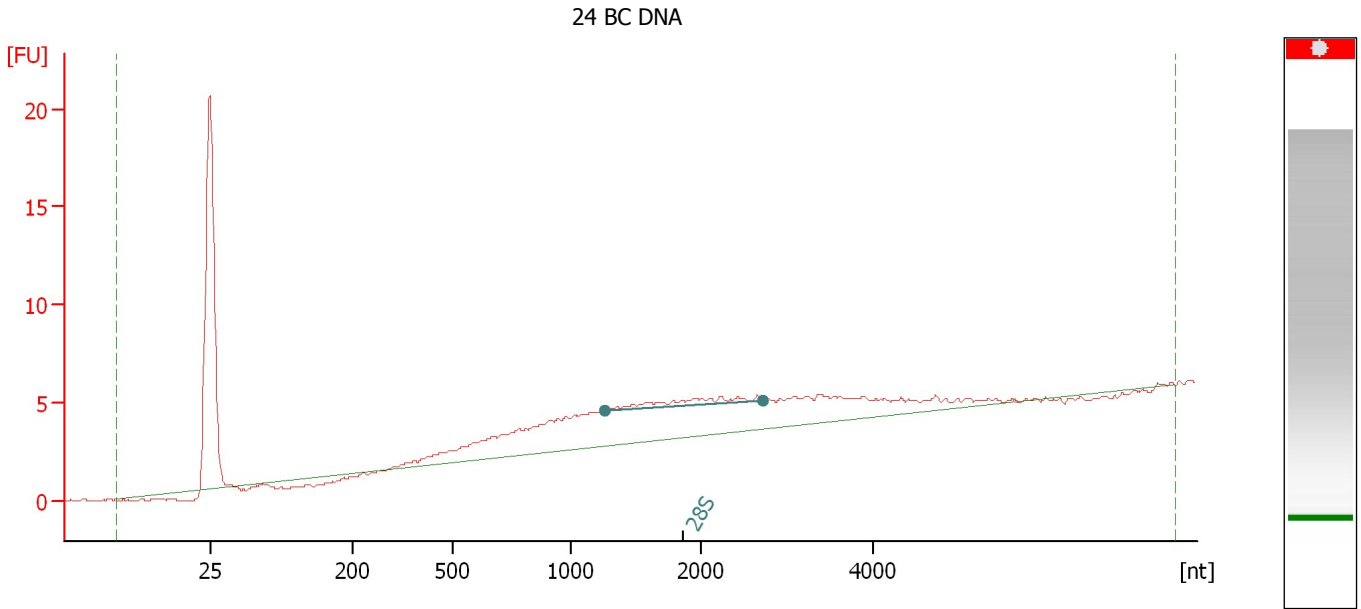
Overall Results for sample 7 : 23 BC DNA

RNA Area:	32.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	163 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 24 BC DNA

RNA Area:	76.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	377 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

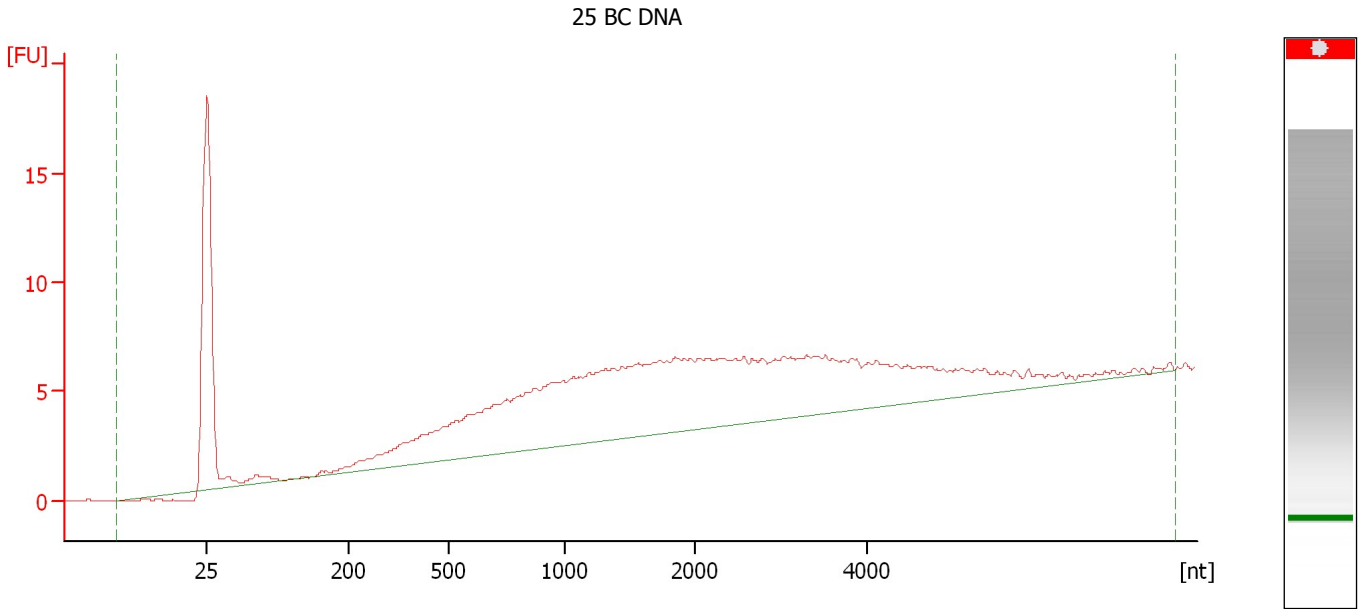
Fragment table for sample 8 : 24 BC DNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,258	2,705	3.4	4.4


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Electropherogram Summary Continued ...



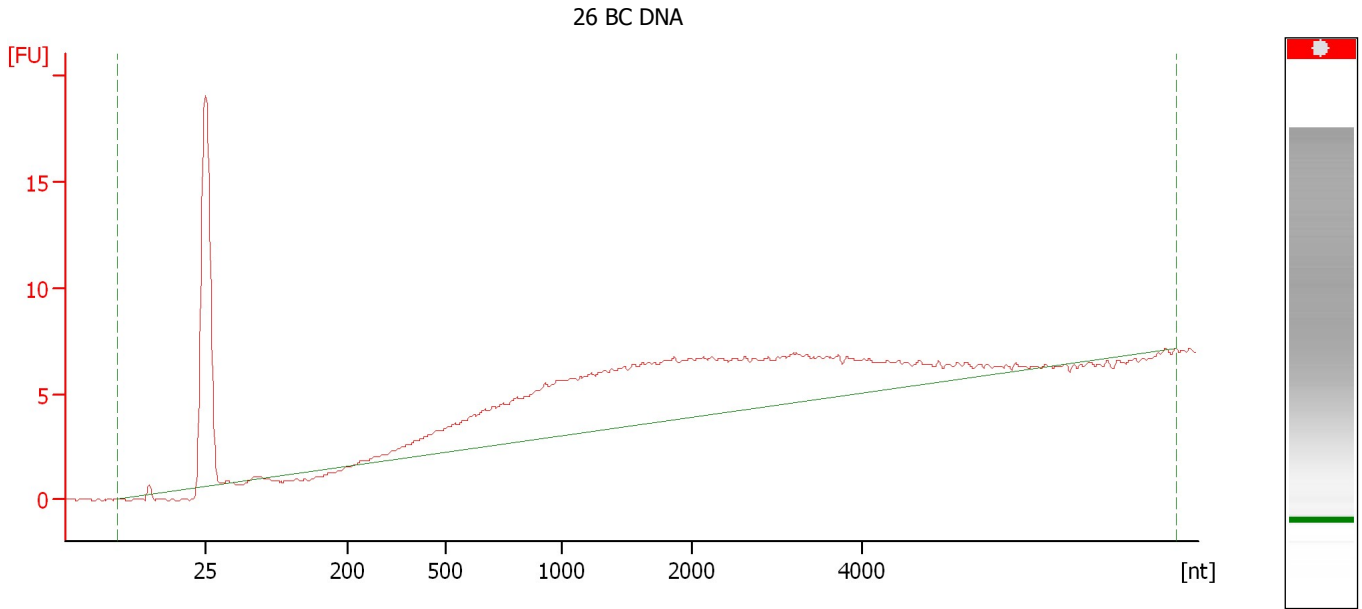
Overall Results for sample 9 : 25 BC DNA

RNA Area:	156.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	775 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Electropherogram Summary Continued ...



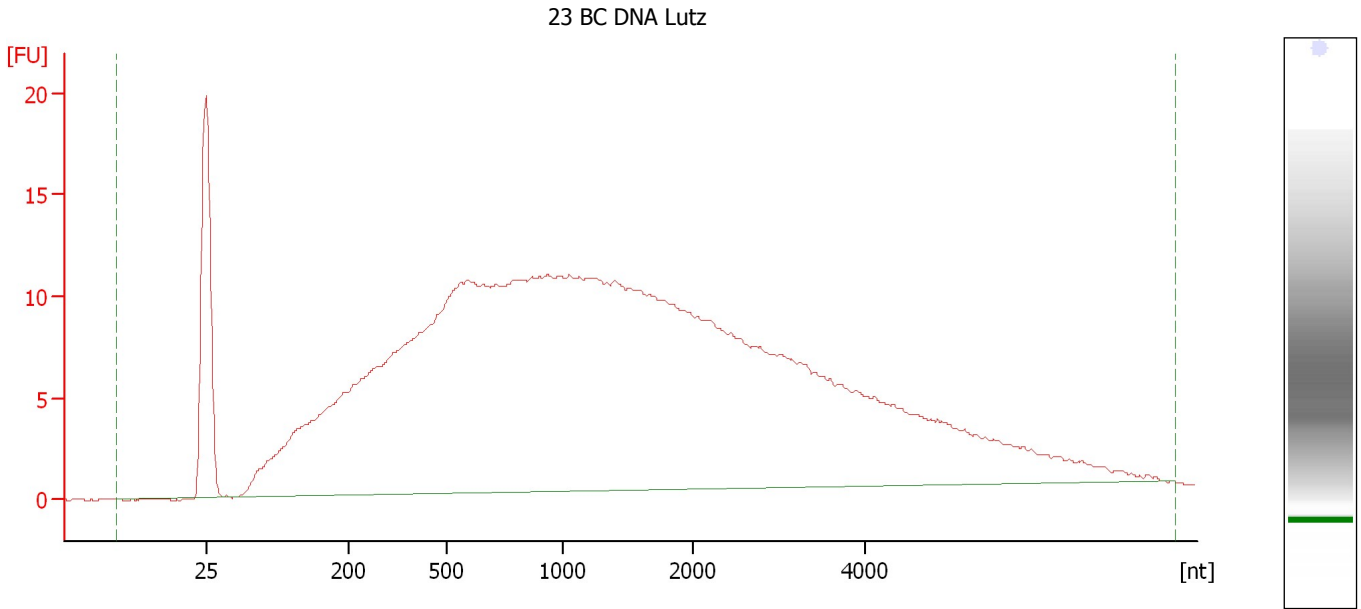
Overall Results for sample 10 : 26 BC DNA

RNA Area:	122.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	609 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Electropherogram Summary Continued ...



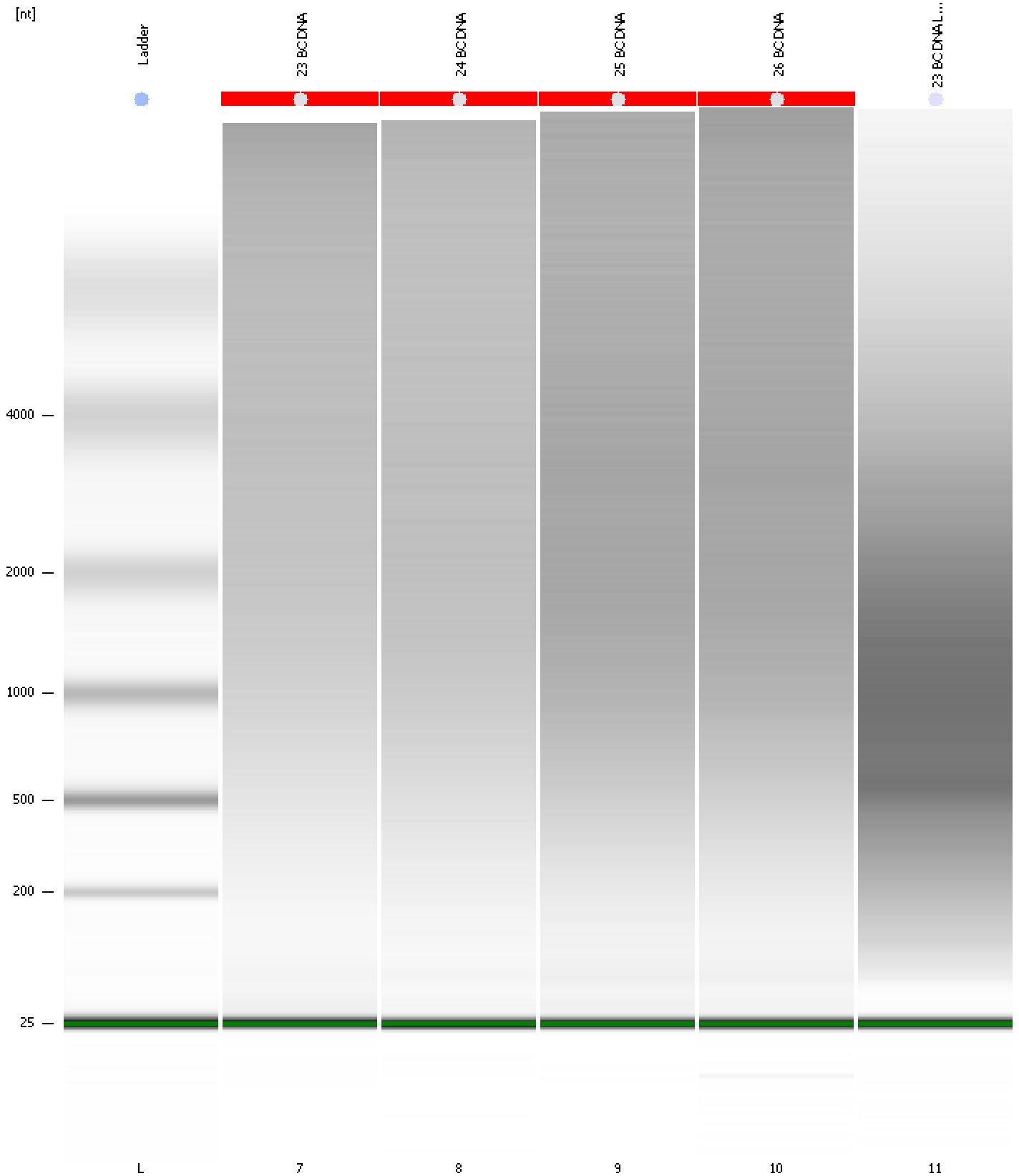
Overall Results for sample 11 : 23 BC DNA Lutz

RNA Area:	589.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,923 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
Modified: 8/18/2016 4:05:05 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2016-08-18\2016-08-18_004_BCDNA_23-26.xad

Created: 8/18/2016 3:32:31 PM
 Modified: 8/18/2016 4:05:05 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		8/18/2016 3:55:24 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\2016-08-18\2016-08-18_004.xad)		Instrument	Run		8/18/2016 3:32:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/18/2016 3:32:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/18/2016 3:32:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/18/2016 3:32:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/18/2016 3:32:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/18/2016 3:32:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/18/2016 3:32:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1