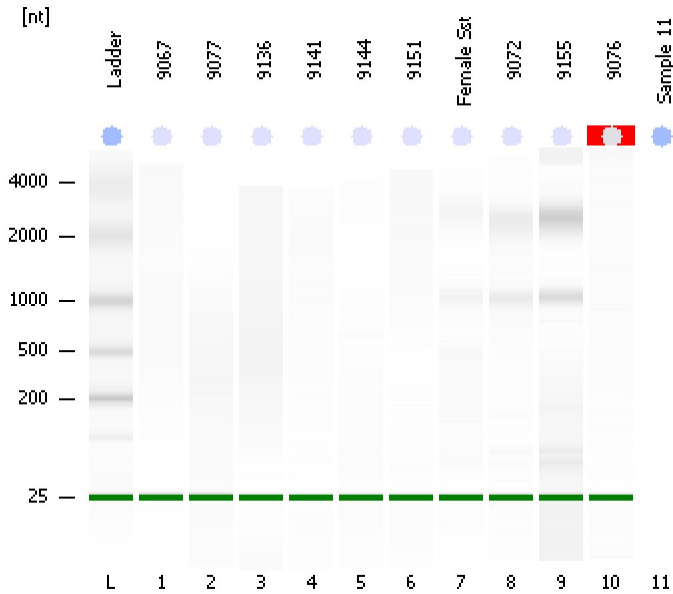


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electrophoresis File Run Summary



Instrument Information:

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

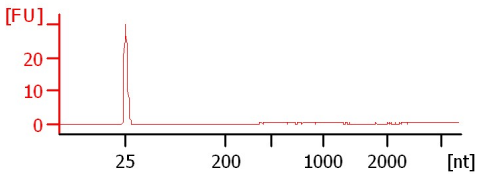
Assay Information:

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.

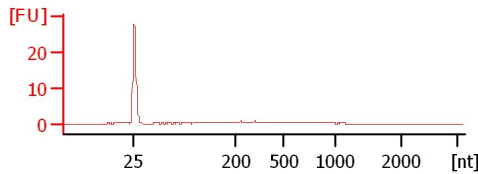
Chip Information:

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

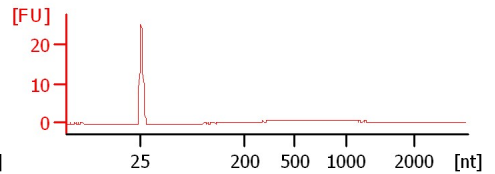
9067
RIN:1



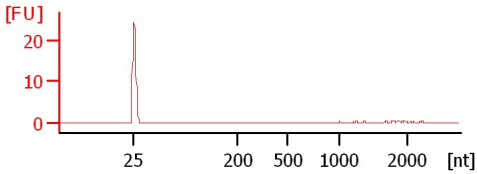
9077
RIN:1



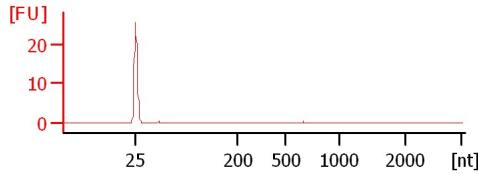
9136
RIN:1



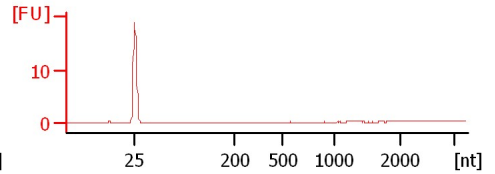
9141
RIN:1



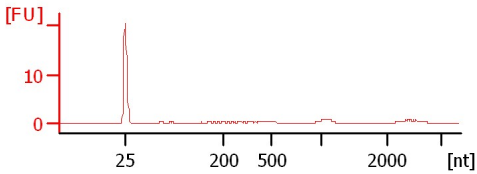
9144
RIN:1



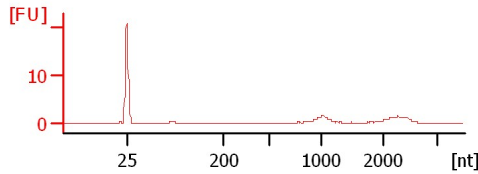
9151
RIN:3



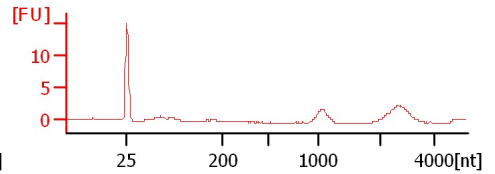
Female Sst
RIN: 1.70



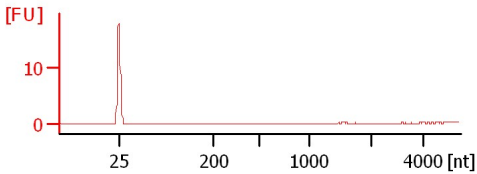
9072
RIN: 5.10



9155
RIN:7



9076
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
 Modified: 2/23/2017 1:14:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
9067		✓	RIN:1	
9077		✓	RIN:1	
9136		✓	RIN:1	
9141		✓	RIN:1	
9144		✓	RIN:1	
9151		✓	RIN:3	
Female Sst		✓	RIN: 1.70	
9072		✓	RIN: 5.10	
9155		✓	RIN:7	
9076		✓	RIN N/A	
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 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

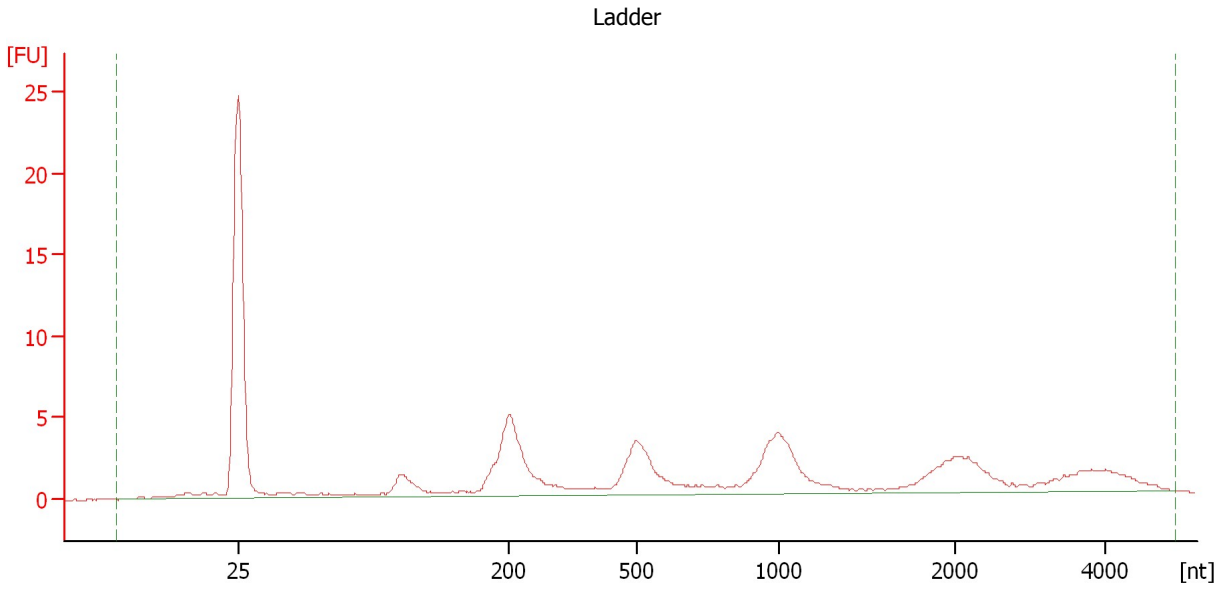
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary



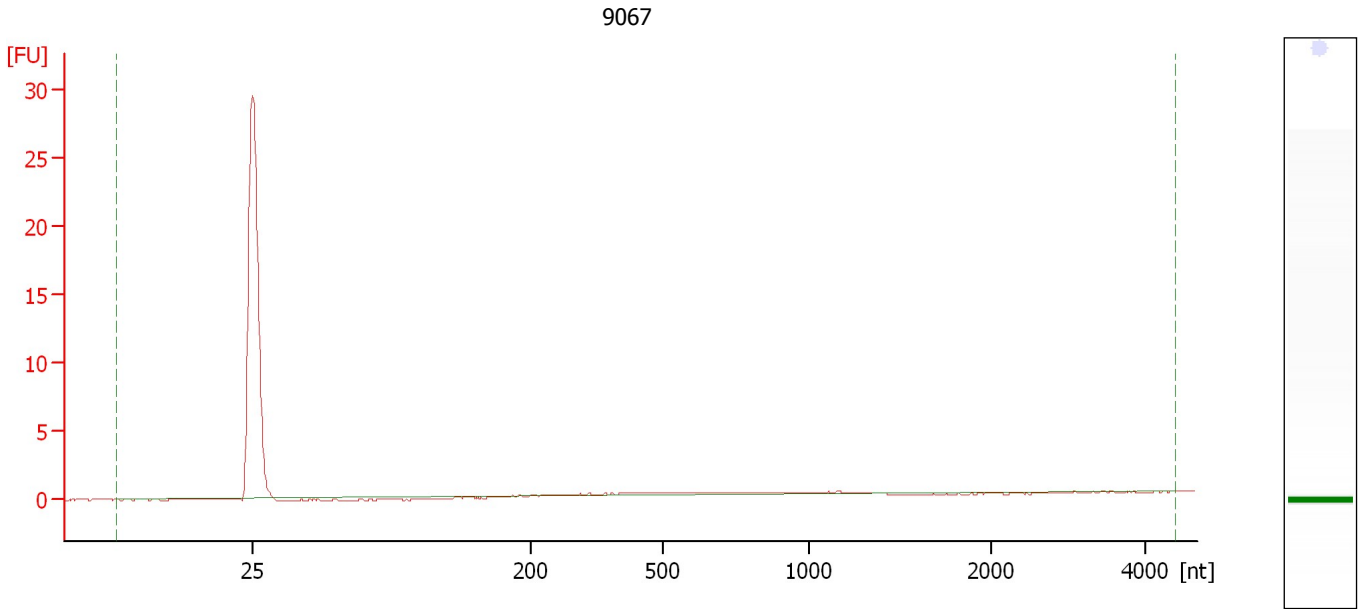
Overall Results for Ladder

RNA Area:	86.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



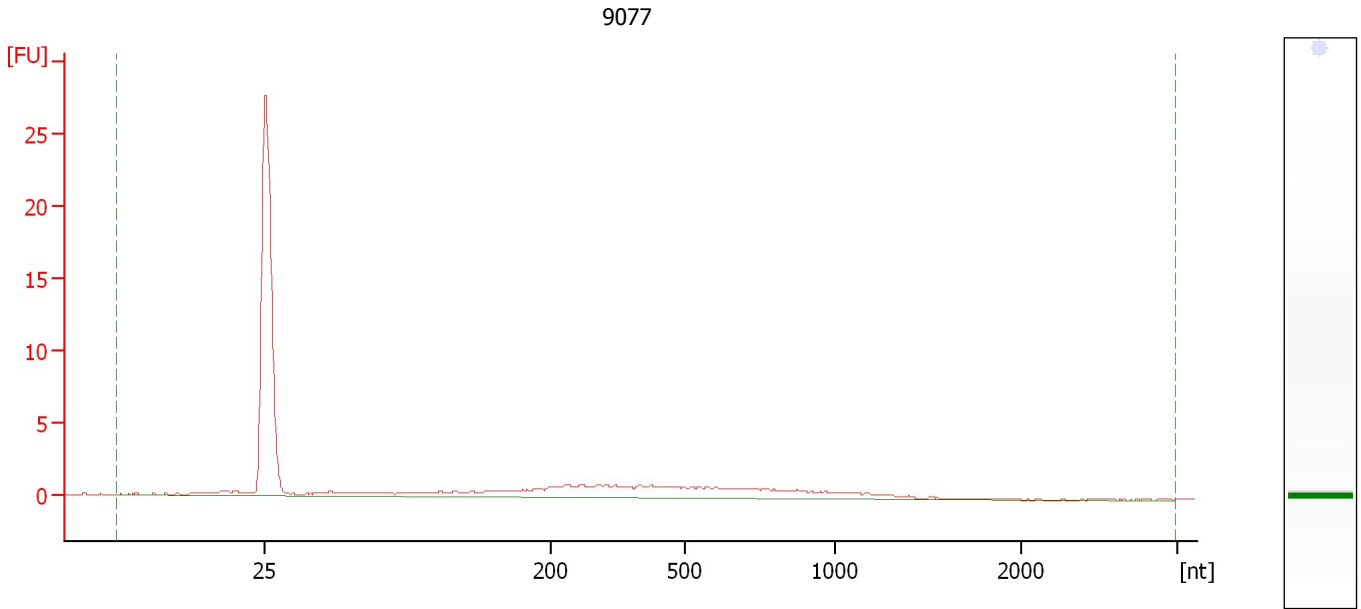
Overall Results for sample 1 : 9067

RNA Area:	4.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	51 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



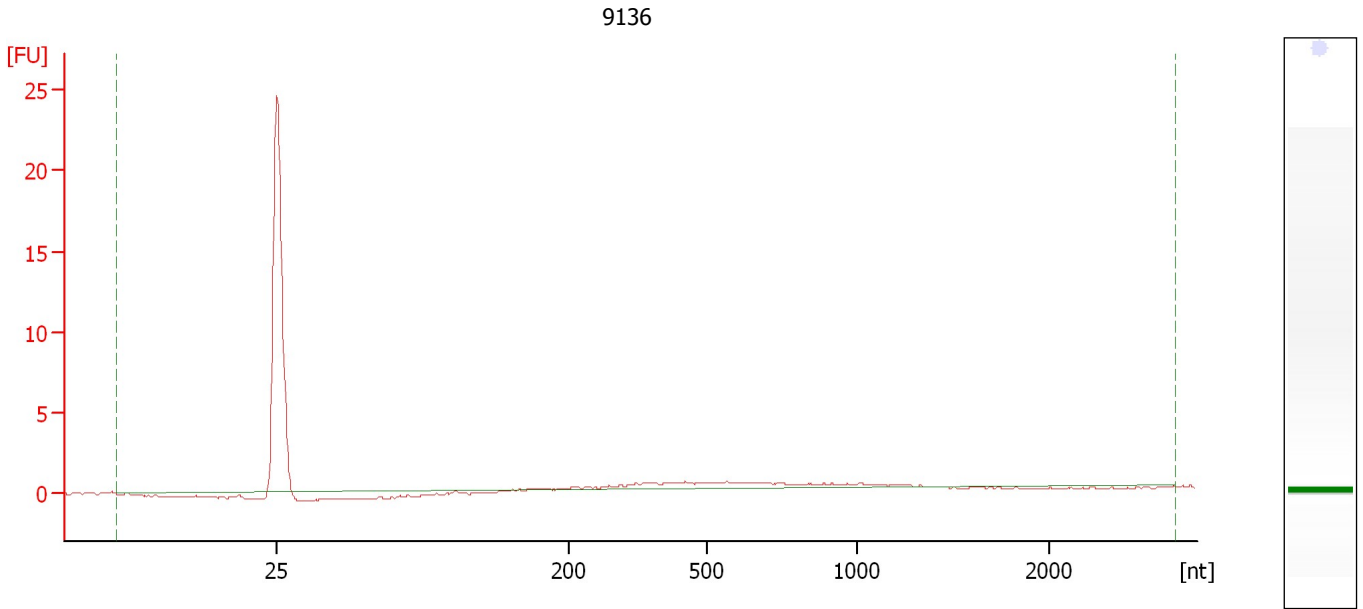
Overall Results for sample 2 : 9077

RNA Area:	33.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	387 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



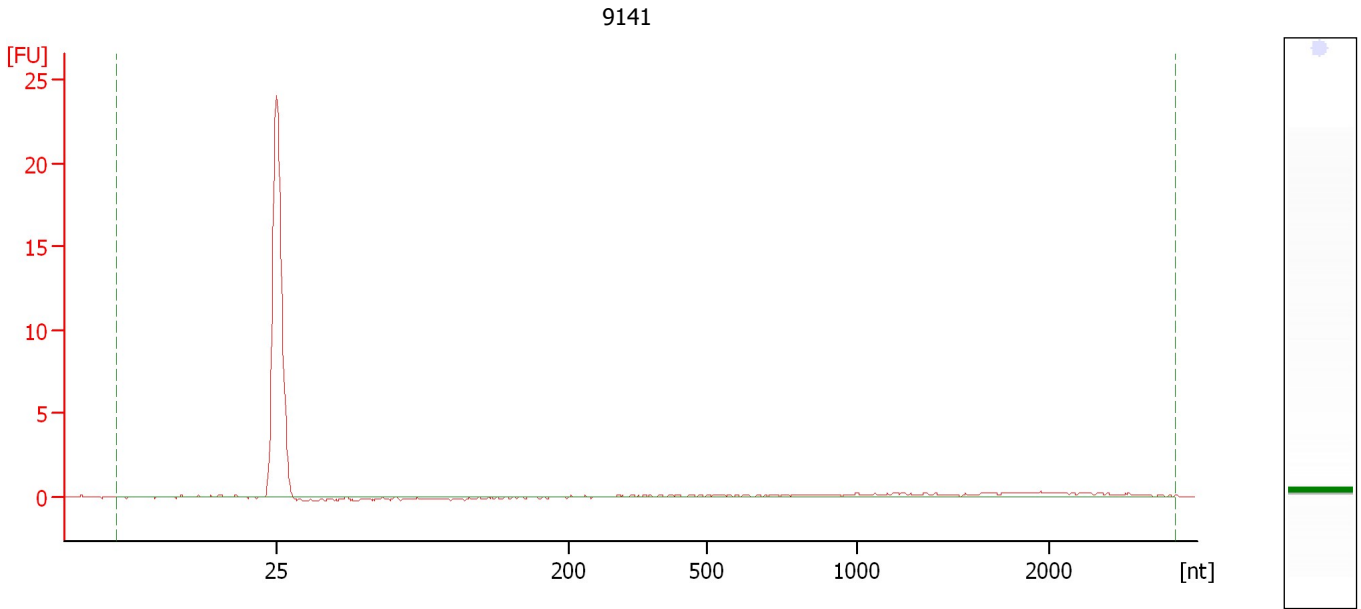
Overall Results for sample 3 : 9136

RNA Area:	10.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	122 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



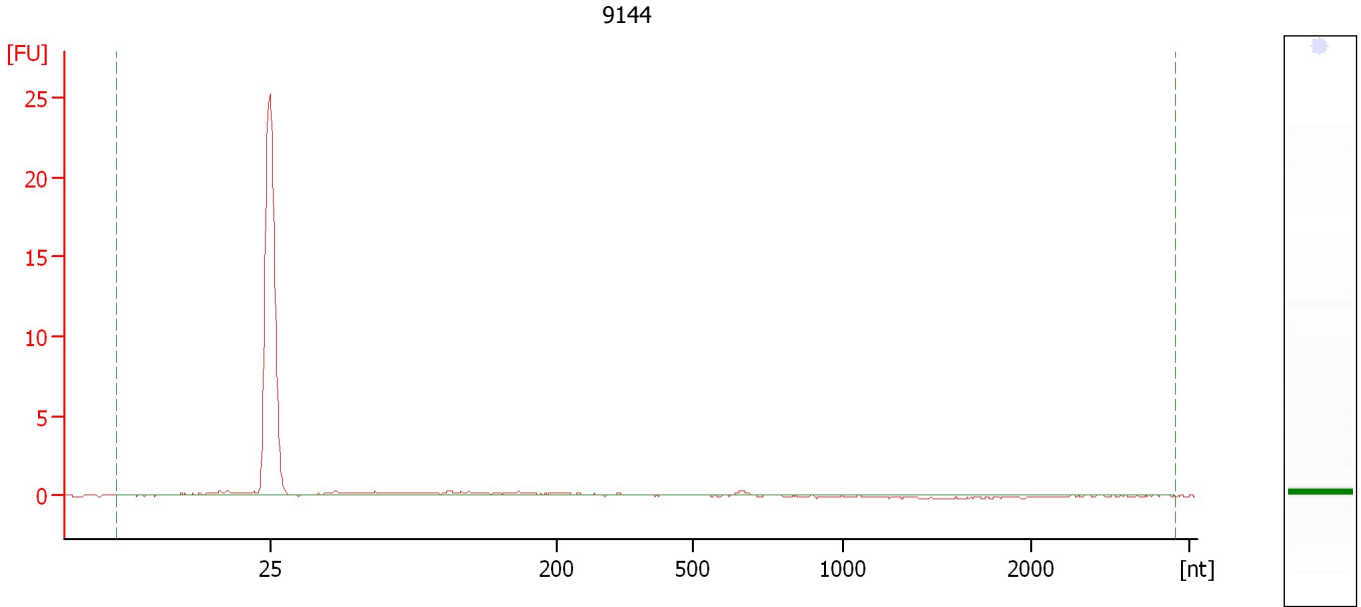
Overall Results for sample 4 : 9141

RNA Area:	4.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	47 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



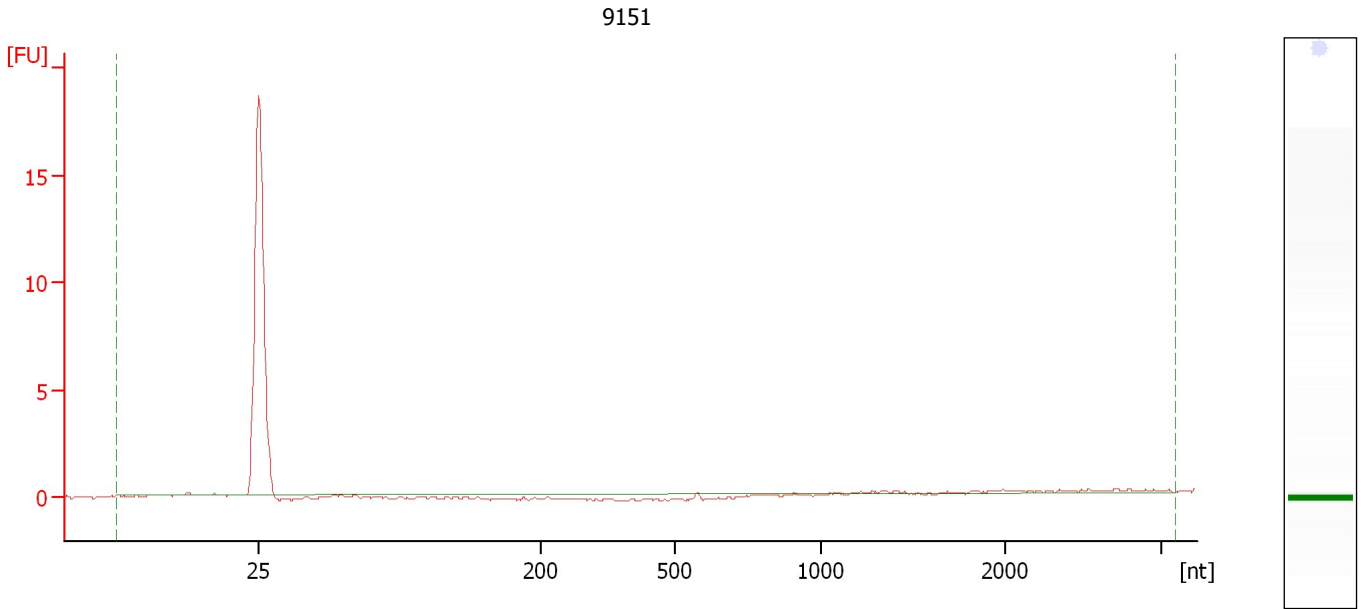
Overall Results for sample 5 : 9144

RNA Area:	10.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	118 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



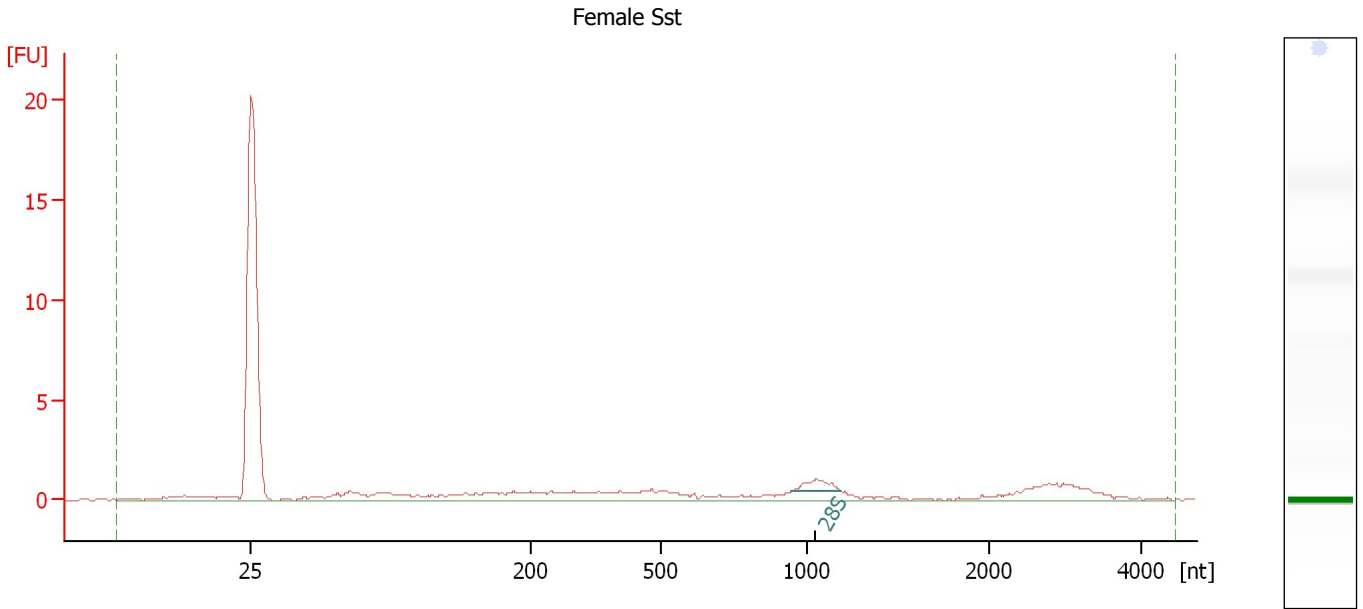
Overall Results for sample 6 : 9151

RNA Area:	2.3	RNA Integrity Number (RIN):	3 (B.02.08)
RNA Concentration:	27 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 7 : Female Sst

Width Threshold [s] : 1

Overall Results for sample 7 : Female Sst

RNA Area: 31.6 RNA Integrity Number (RIN): 1.7 (B.02.08, Anomaly Threshold(s) manually adapted)

RNA Concentration: 364 pg/μl

rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:

Result Flagging Label: RIN: 1.70

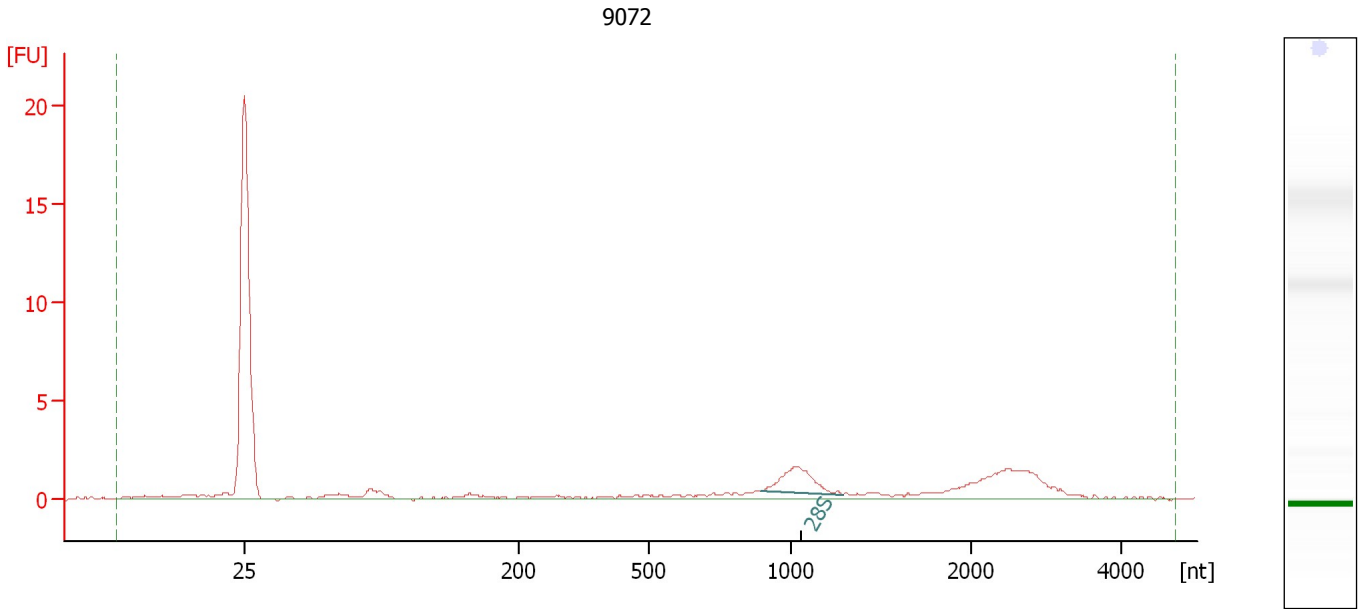
Fragment table for sample 7 : Female Sst

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	948	1,187	1.4	4.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 9072

RNA Area:	29.2	RNA Integrity Number (RIN):	5.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	337 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.10

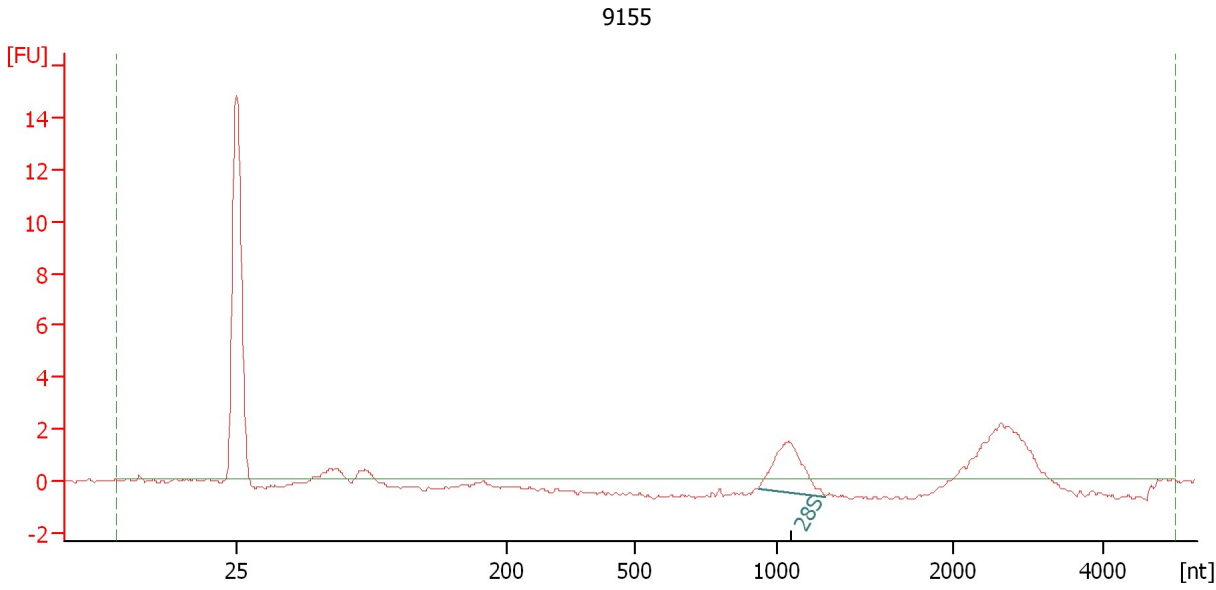
Fragment table for sample 8 : 9072

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	895	1,285	4.5	15.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9155

RNA Area:	14.5	RNA Integrity Number (RIN):	7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	167 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:7

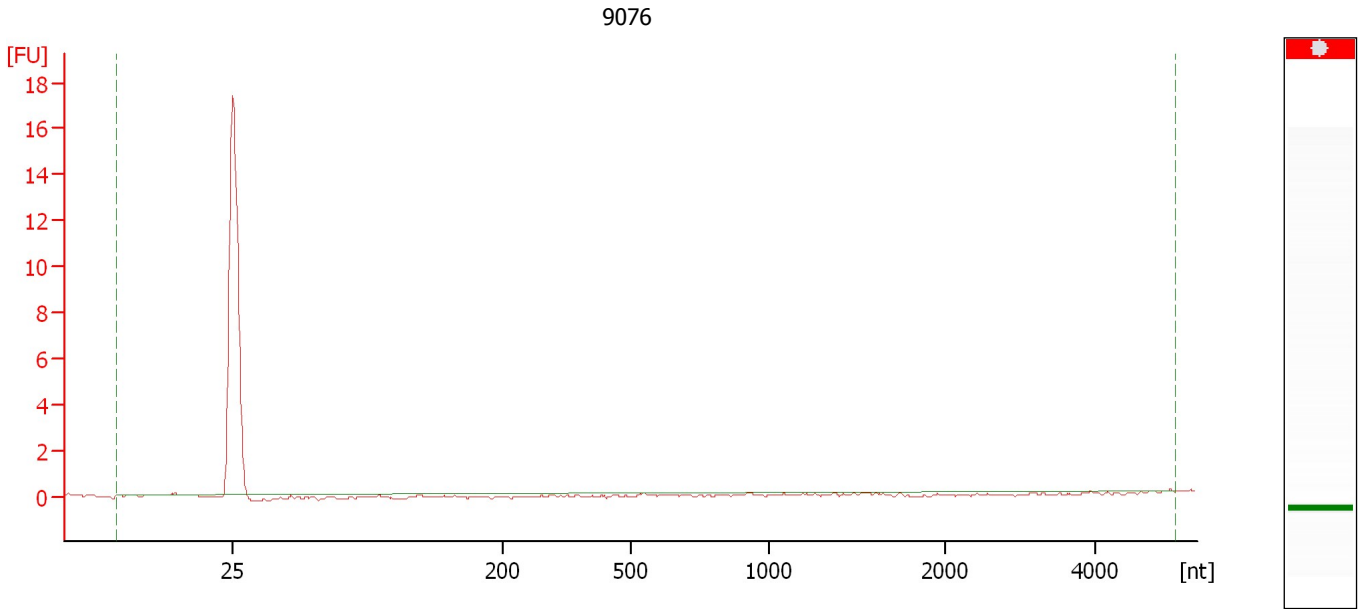
Fragment table for sample 9 : 9155

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	935	1,277	6.0	41.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Electropherogram Summary Continued ...



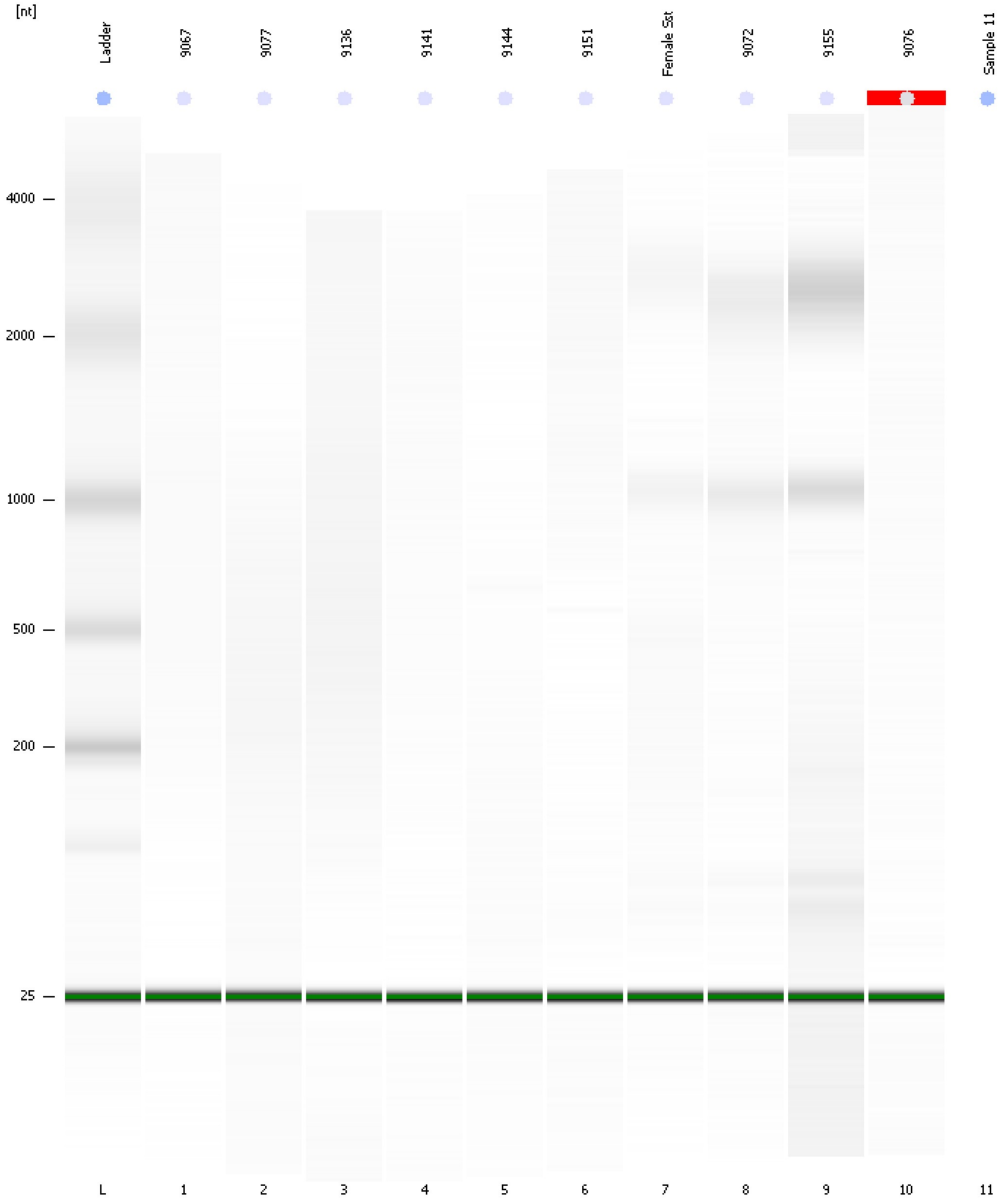
Overall Results for sample 10 : 9076

RNA Area:	0.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 pg/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:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
Modified: 2/23/2017 1:14:40 PM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad

Created: 2/23/2017 12:51:57 PM
 Modified: 2/23/2017 1:14:40 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		2/23/2017 1:12:32 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_005.xad)		Instrument	Run		2/23/2017 12:51:58 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/23/2017 12:51:58 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/23/2017 12:51:58 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/23/2017 12:51:58 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/23/2017 12:51:58 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/23/2017 12:51:58 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/23/2017 12:51:58 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1