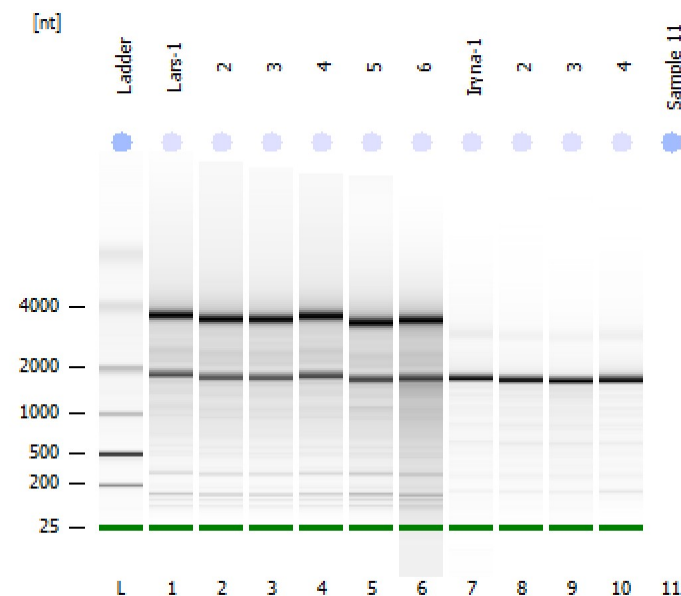


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72903171

Firmware: C.01.069

Serial#: DE72903171

Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

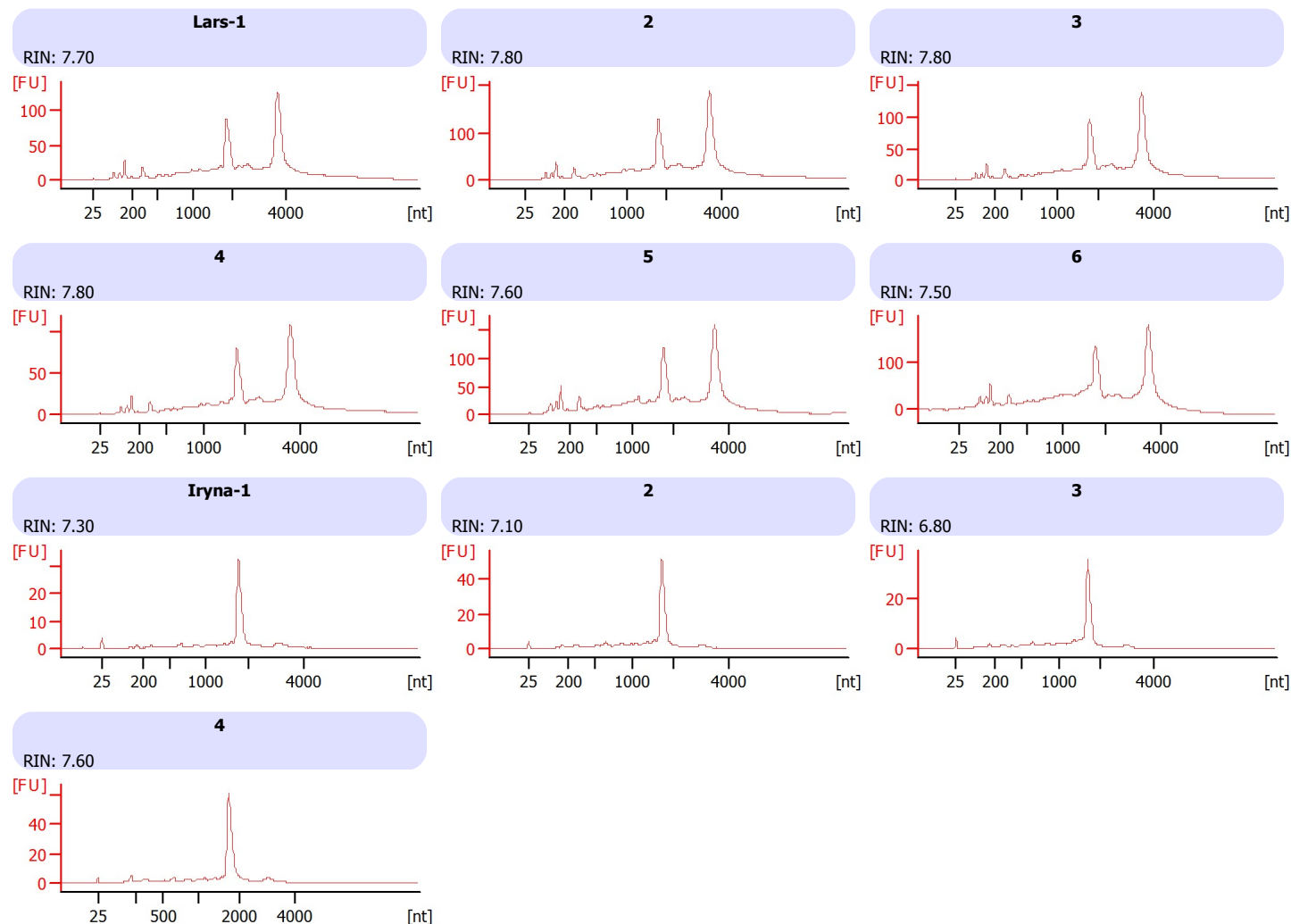
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Lars-1		✓	RIN: 7.70	
2		✓	RIN: 7.80	
3		✓	RIN: 7.80	
4		✓	RIN: 7.80	
5		✓	RIN: 7.60	
6		✓	RIN: 7.50	
Iryna-1		✓	RIN: 7.30	
2		✓	RIN: 7.10	
3		✓	RIN: 6.80	
4		✓	RIN: 7.60	
Sample 11				
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 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

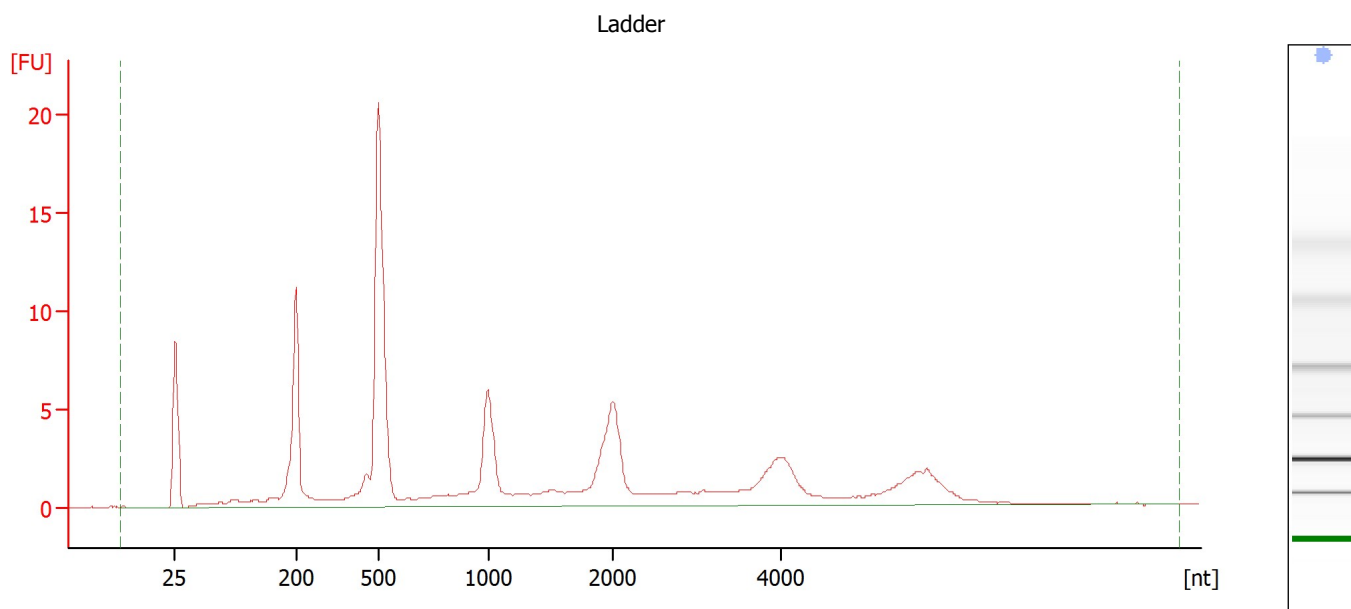
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 116.4

Result Flagging Color:



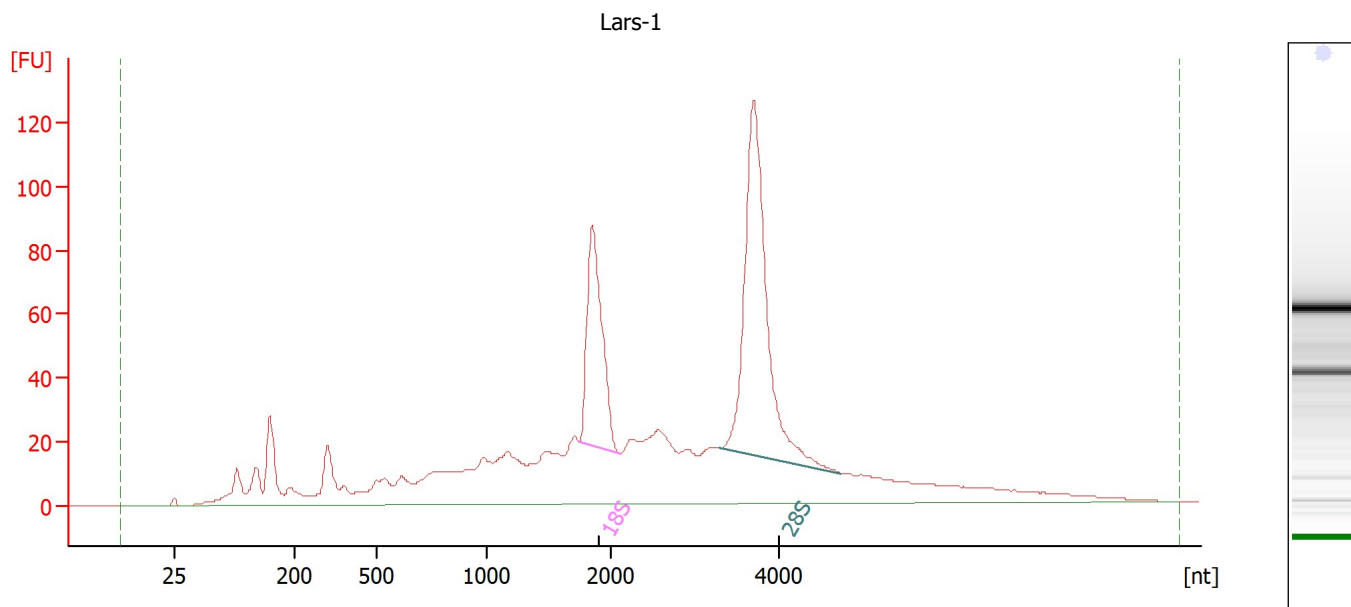
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : Lars-1**

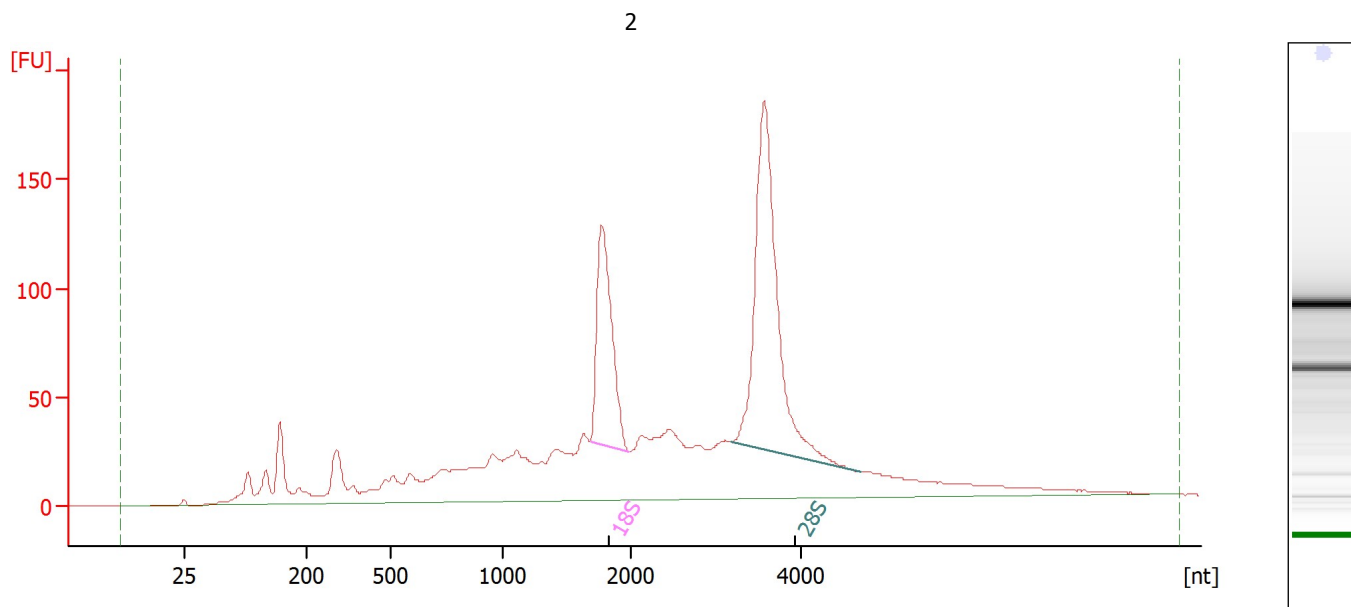
RNA Area:	1,423.6	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	12,229 pg/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	2.0	Result Flagging Label:	RIN: 7.70

Fragment table for sample 1 : Lars-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,101	133.3	9.4
28S	3,288	4,731	260.9	18.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 2**

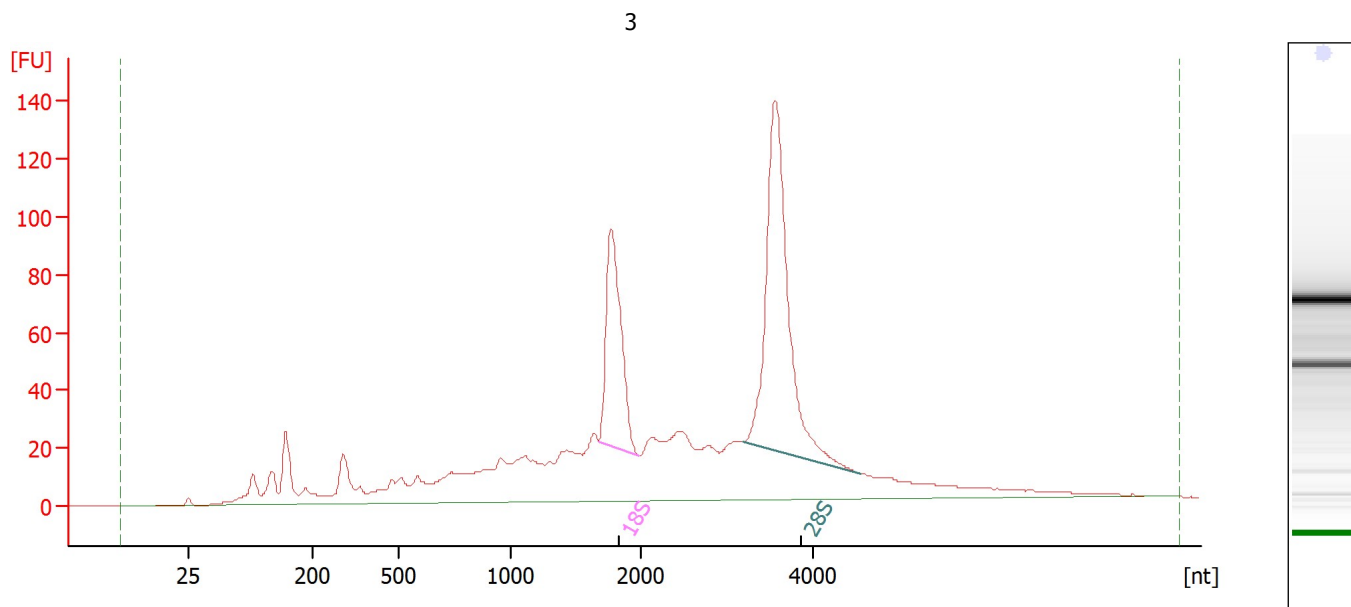
RNA Area:	1,973.6	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	16,954 pg/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	2.0	Result Flagging Label:	RIN: 7.80

Fragment table for sample 2 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	1,987	192.4	9.8
28S	3,183	4,709	378.8	19.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 3**

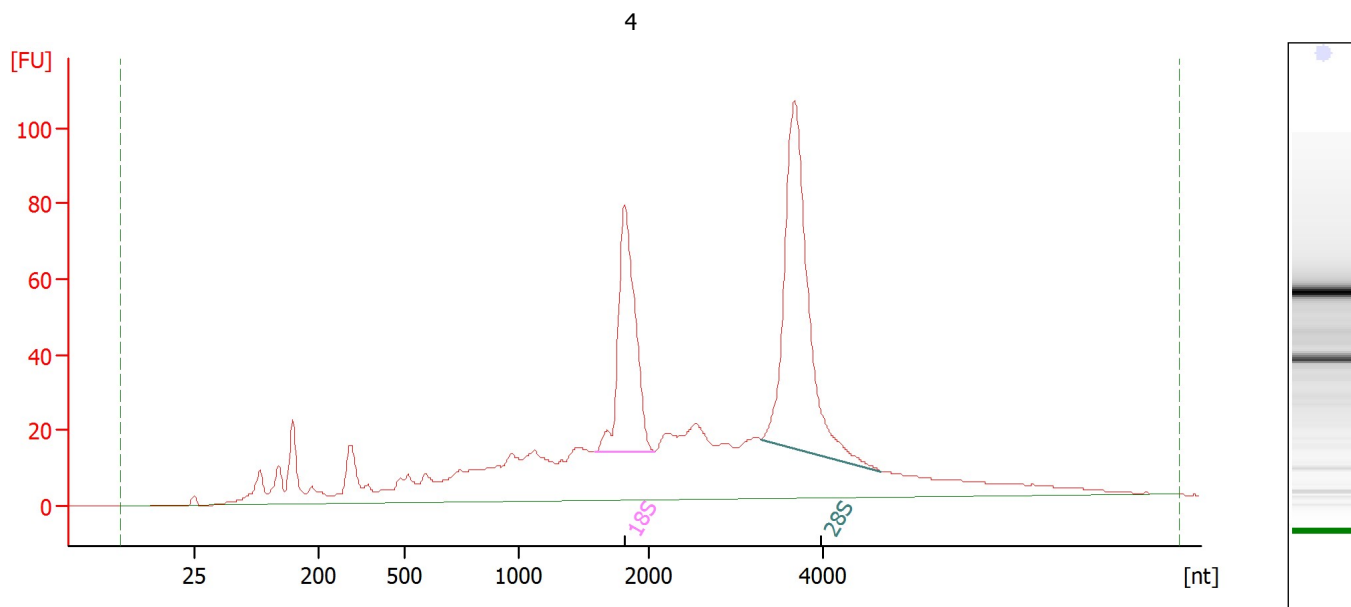
RNA Area:	1,437.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	12,351 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	2.0	Result Flagging Label:	RIN: 7.80

Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	1,982	143.8	10.0
28S	3,186	4,547	283.5	19.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 4**

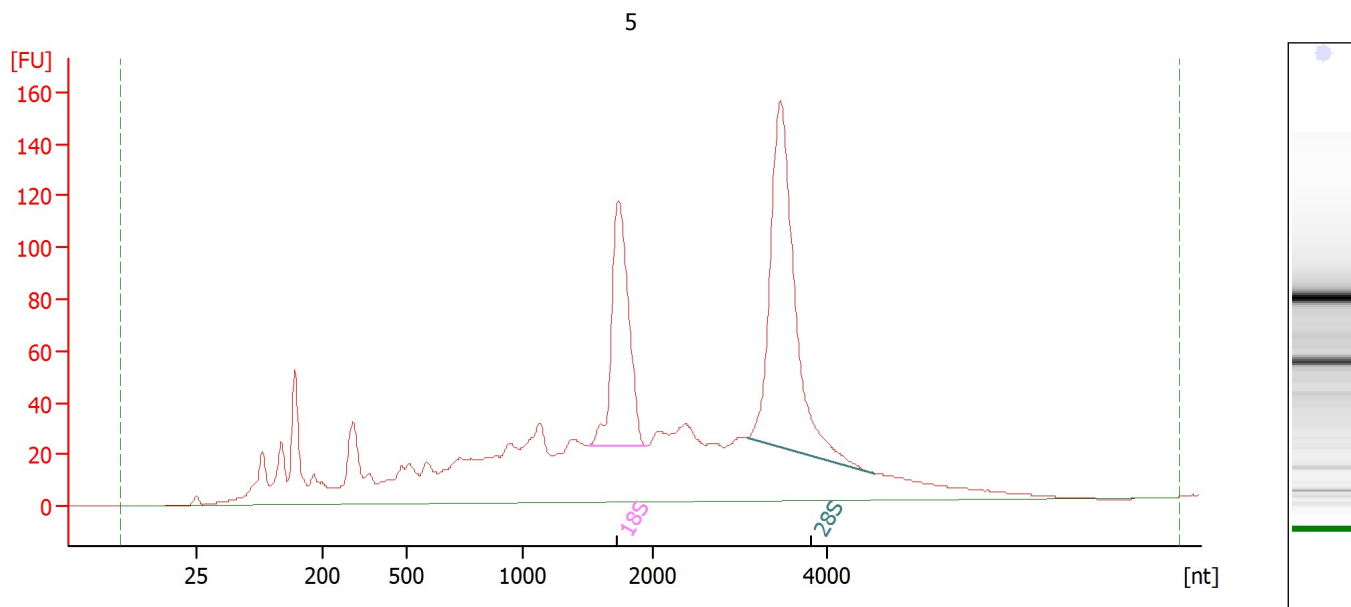
RNA Area:	1,178.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	10,126 pg/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	1.7	Result Flagging Label:	RIN: 7.80

Fragment table for sample 4 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	2,063	138.1	11.7
28S	3,290	4,664	228.1	19.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 5**

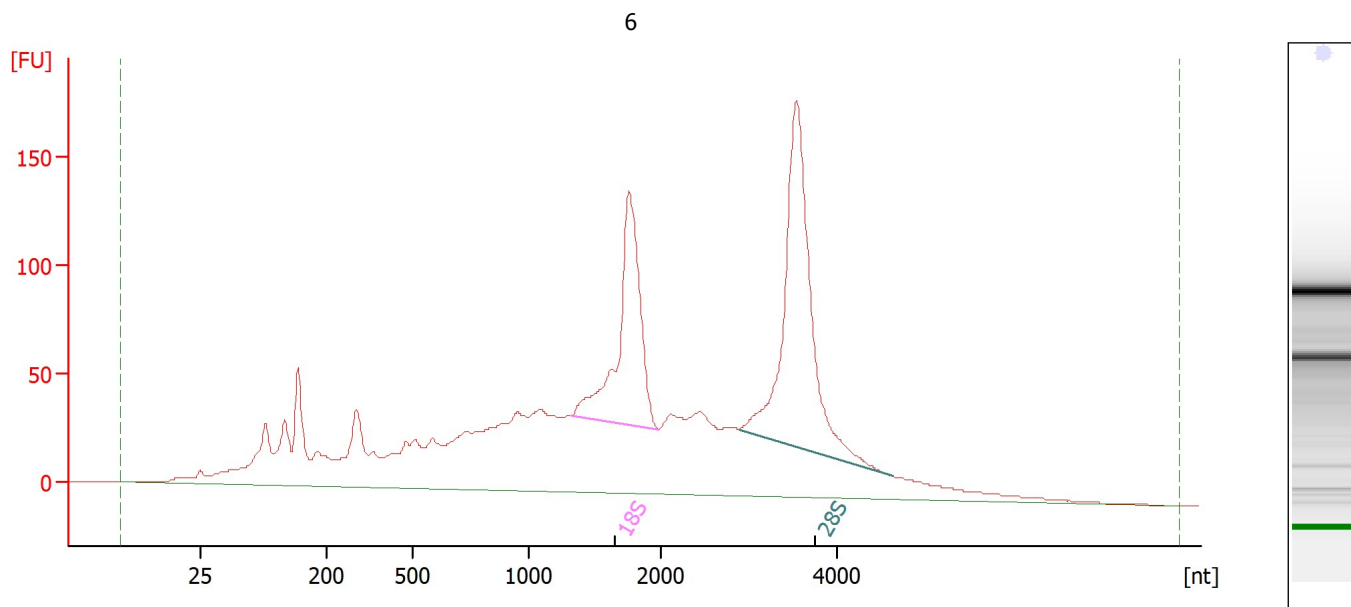
RNA Area:	1,976.0	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	16,975 pg/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	1.7	Result Flagging Label:	RIN: 7.60

Fragment table for sample 5 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,953	201.5	10.2
28S	3,066	4,544	350.0	17.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 6**

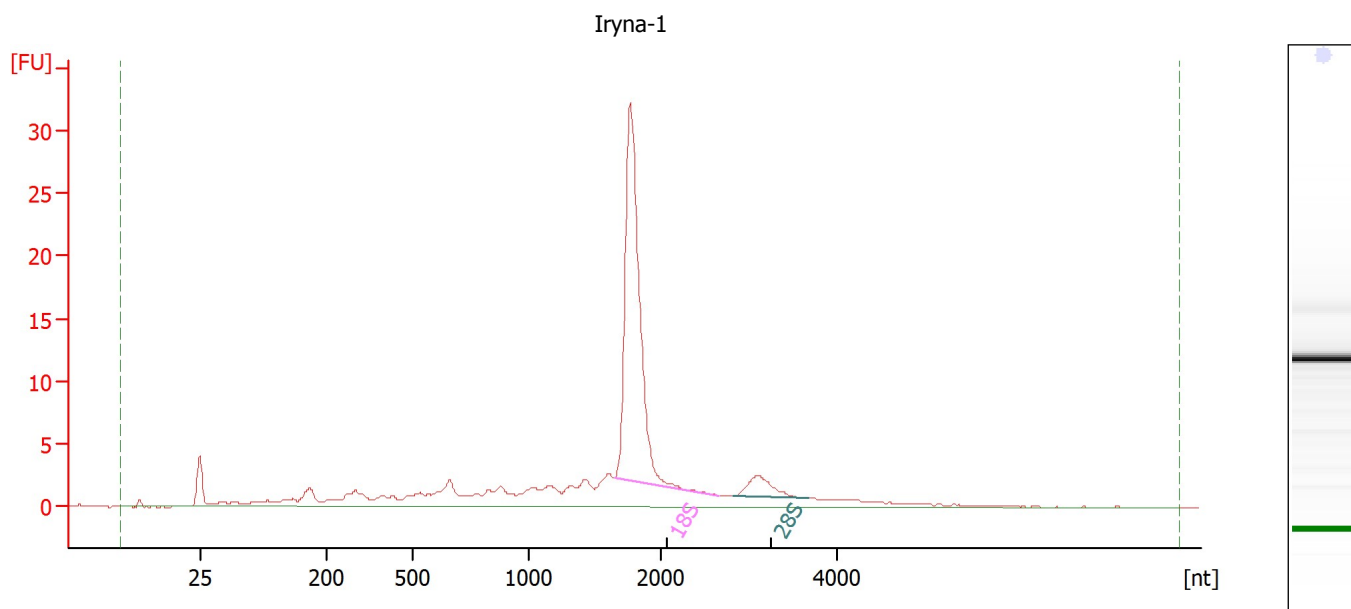
RNA Area:	2,803.5	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	24,084 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.50

Fragment table for sample 6 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,314	1,980	291.6	10.4
28S	2,879	4,622	440.1	15.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Iryna-1**

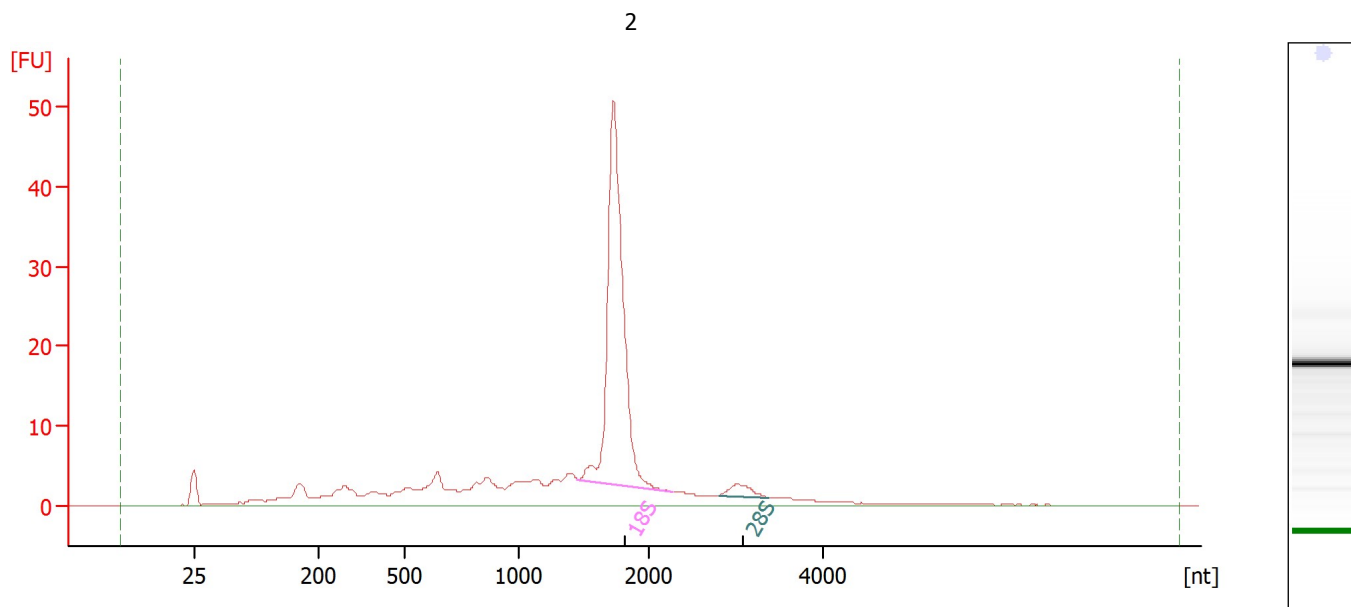
RNA Area:	140.1	RNA Integrity Number (RIN):	7.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,203 pg/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.30

Fragment table for sample 7 : Iryna-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	2,649	53.4	38.2
28S	2,818	3,666	4.5	3.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 2**

RNA Area: 241.9
RNA Concentration: 2,078 pg/μl
rRNA Ratio [28S / 18S]: 0.0

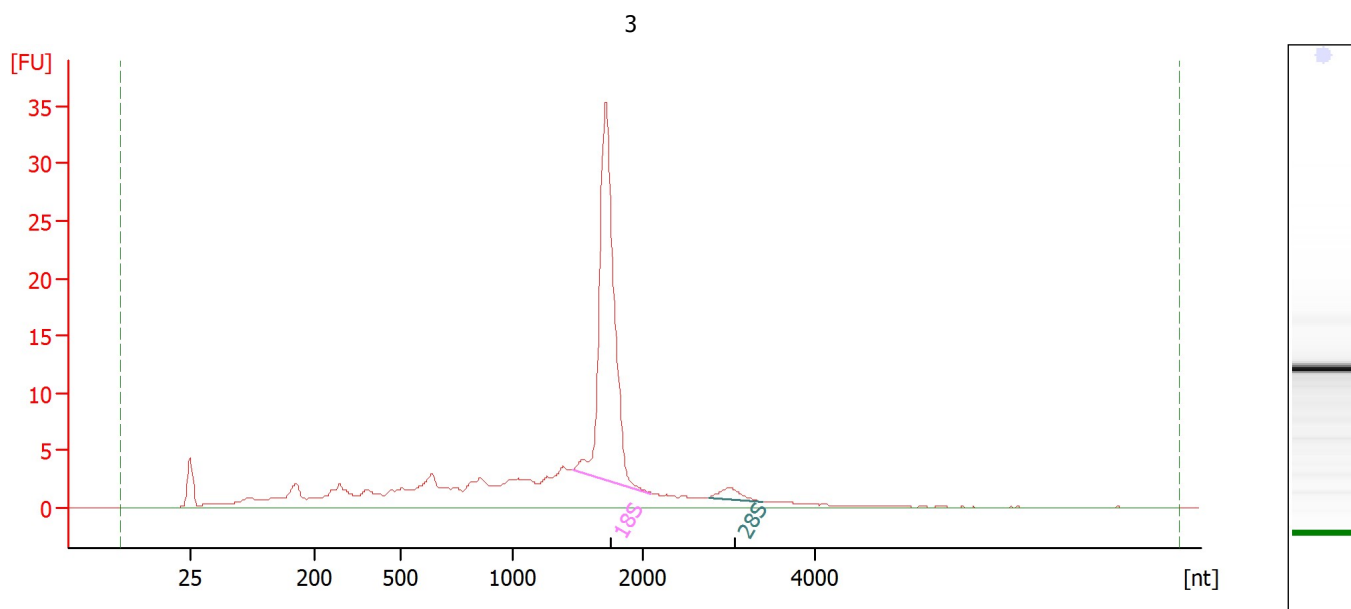
RNA Integrity Number (RIN): 7.1 (B.02.08,
Anomaly Threshold(s)
manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.10

Fragment table for sample 8 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,450	2,284	93.5	38.7
28S	2,799	3,376	3.8	1.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 3**

RNA Area: 180.4
RNA Concentration: 1,550 pg/μl
rRNA Ratio [28S / 18S]: 0.0

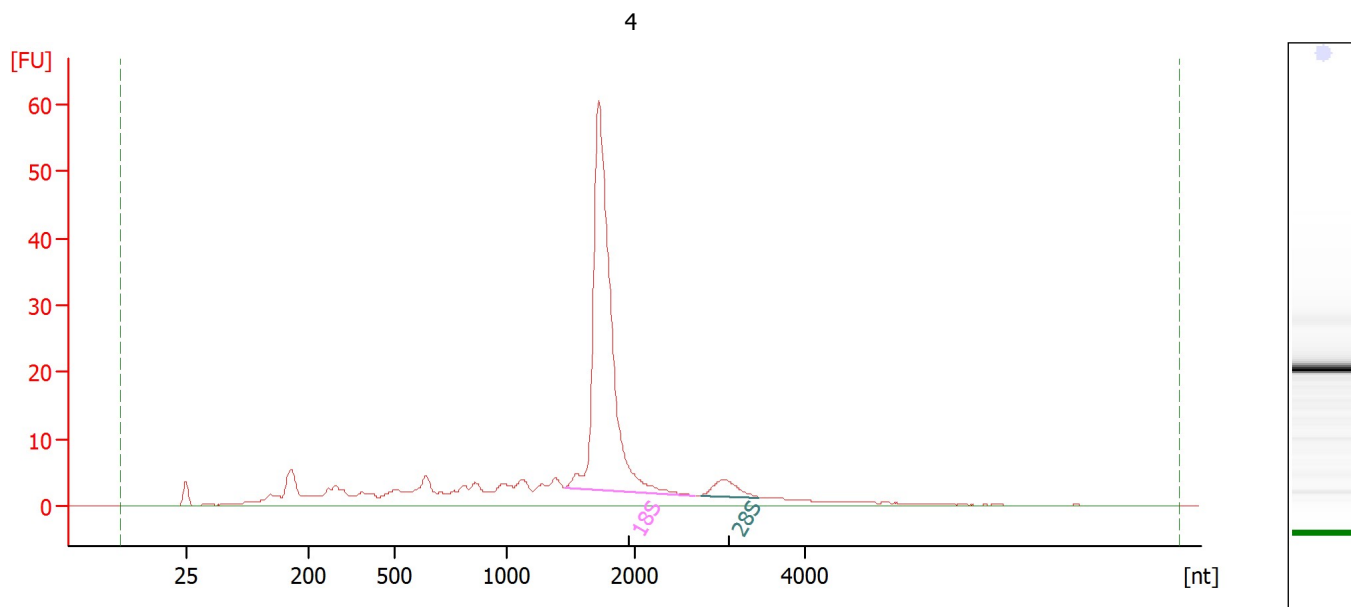
RNA Integrity Number (RIN): 6.8 (B.02.08,
Anomaly Threshold(s)
manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.80

Fragment table for sample 9 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,453	2,098	60.0	33.2
28S	2,765	3,382	2.4	1.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

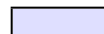
Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 4**

RNA Area: 294.8
RNA Concentration: 2,532 pg/μl
rRNA Ratio [28S / 18S]: 0.1

RNA Integrity Number (RIN): 7.6 (B.02.08,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:



Result Flagging Label:

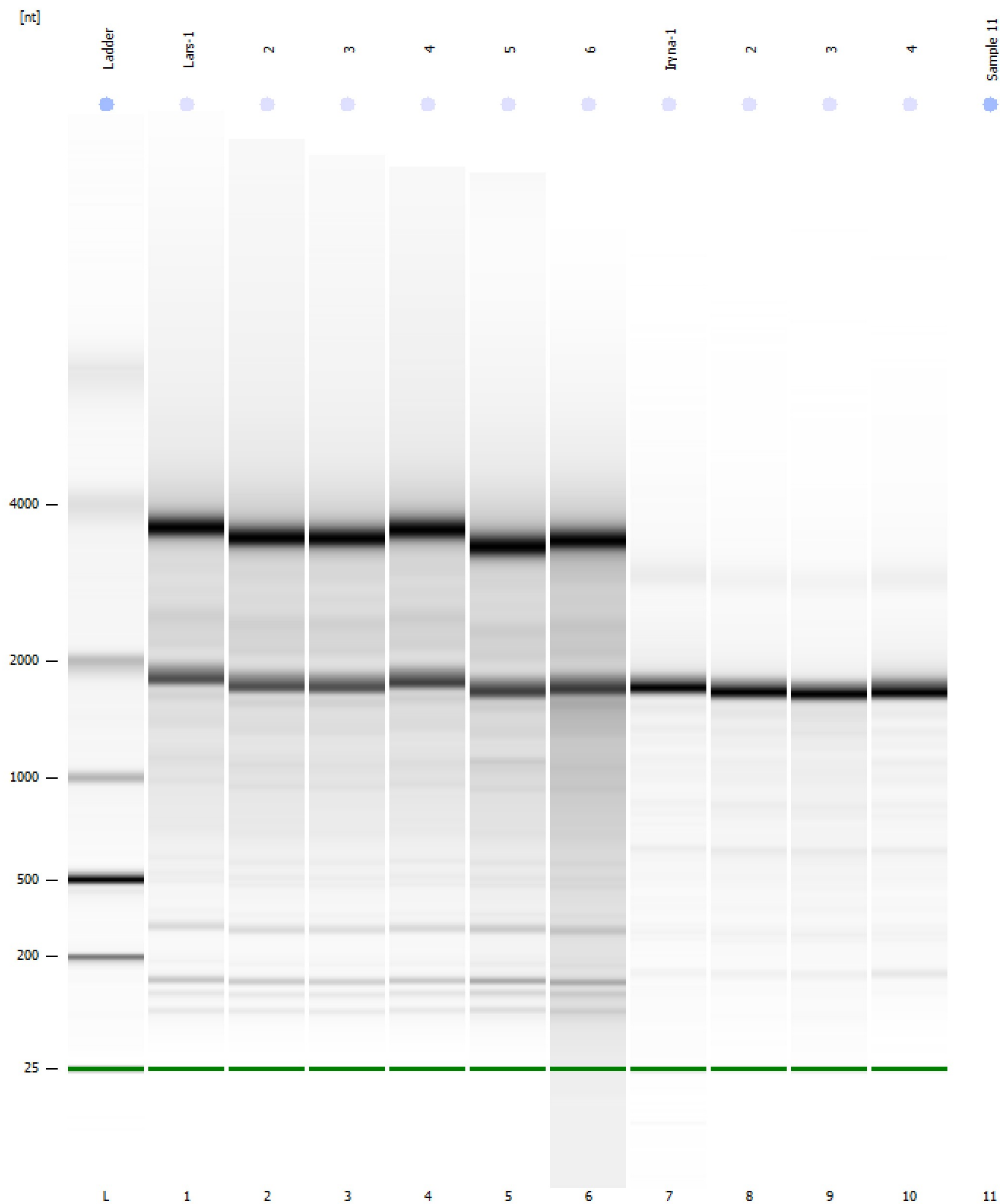
RIN: 7.60

Fragment table for sample 10 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,462	2,718	129.6	44.0
28S	2,768	3,453	6.7	2.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
Modified: 12/16/2019 2:31:01 PM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...len-2019\Eukaryote Total RNA Pico_2019-12-16_Lars-Iryna.xad

Created: 12/16/2019 12:53:10 PM
 Modified: 12/16/2019 2:31:01 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		12/16/2019 1:14:35 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\Eukaryote Total RNA Pico_2019-12-16 001.xad)		Instrument	Run		12/16/2019 12:53:15 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring
Product Number : G2939A		Instrument	Run		12/16/2019 12:53:15 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring
Name :		Instrument	Run		12/16/2019 12:53:15 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring
Vendor : Agilent Technologies		Instrument	Run		12/16/2019 12:53:15 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring
Serial# : DE72903171		Instrument	Run		12/16/2019 12:53:15 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring
Firmware : C.01.069		Instrument	Run		12/16/2019 12:53:15 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring
Cartridge : Electrode		Instrument	Run		12/16/2019 12:53:15 PM	(GMT --05:00) Eastern Standard Time	Wenxiang	GRC_Genespring