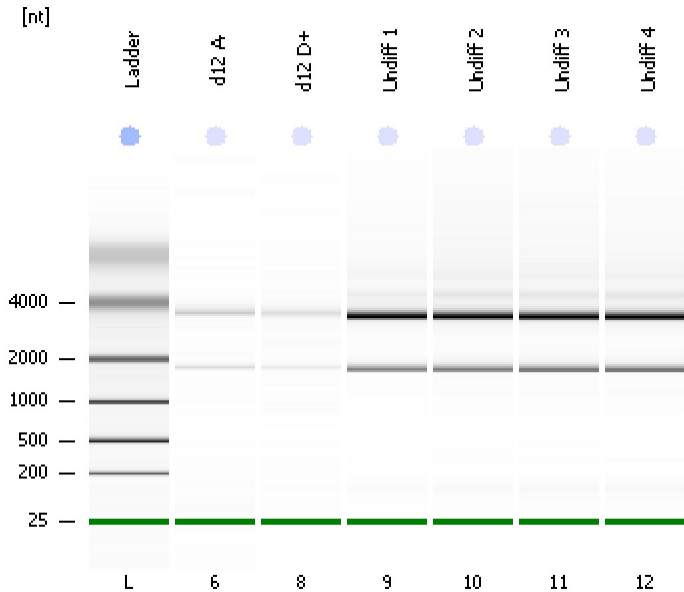


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
Modified: 7/23/2019 2:56:33 PM

Electrophoresis File Run Summary



Instrument Information:

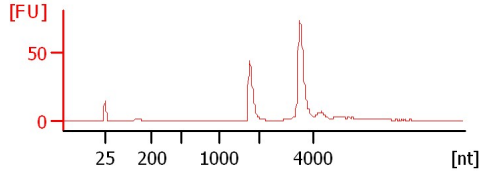
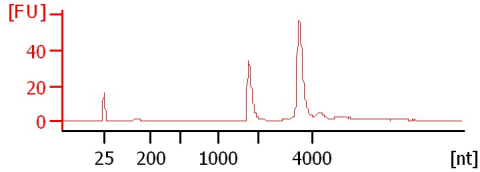
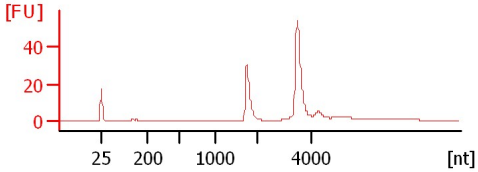
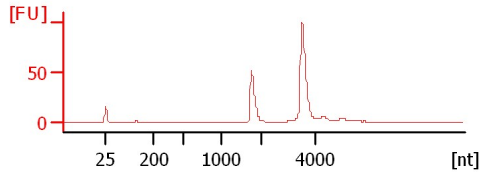
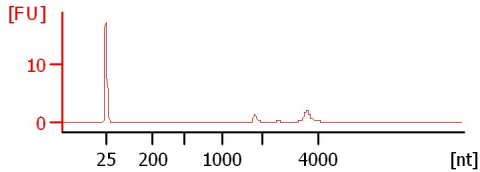
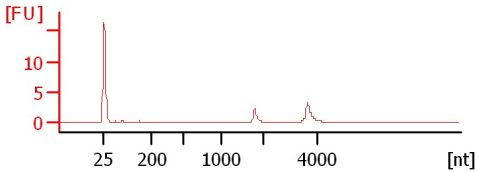
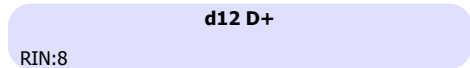
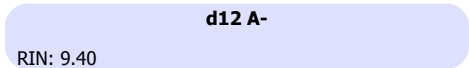
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
 Modified: 7/23/2019 2:56:33 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
d12 A-		✓	RIN: 9.40	
d12 D+		✓	RIN:8	
Undiff 1		✓	RIN:10	
Undiff 2		✓	RIN:10	
Undiff 3		✓	RIN:10	
Undiff 4		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
Modified: 7/23/2019 2:56:33 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

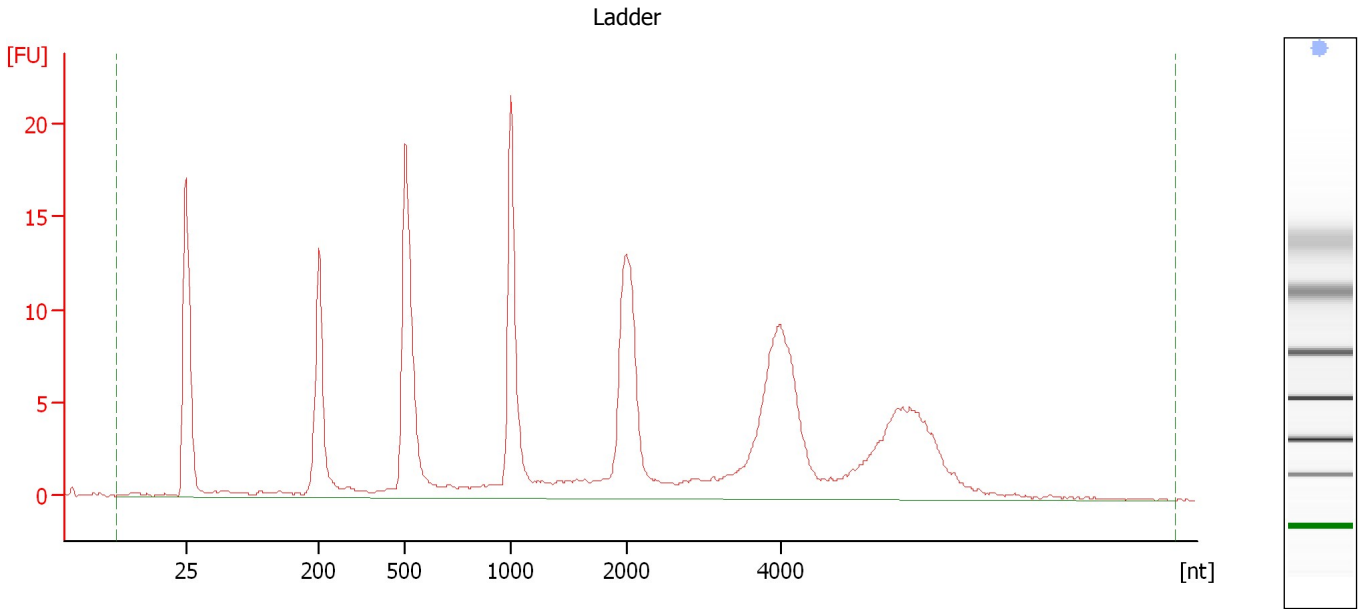
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
Modified: 7/23/2019 2:56:33 PM

Electropherogram Summary



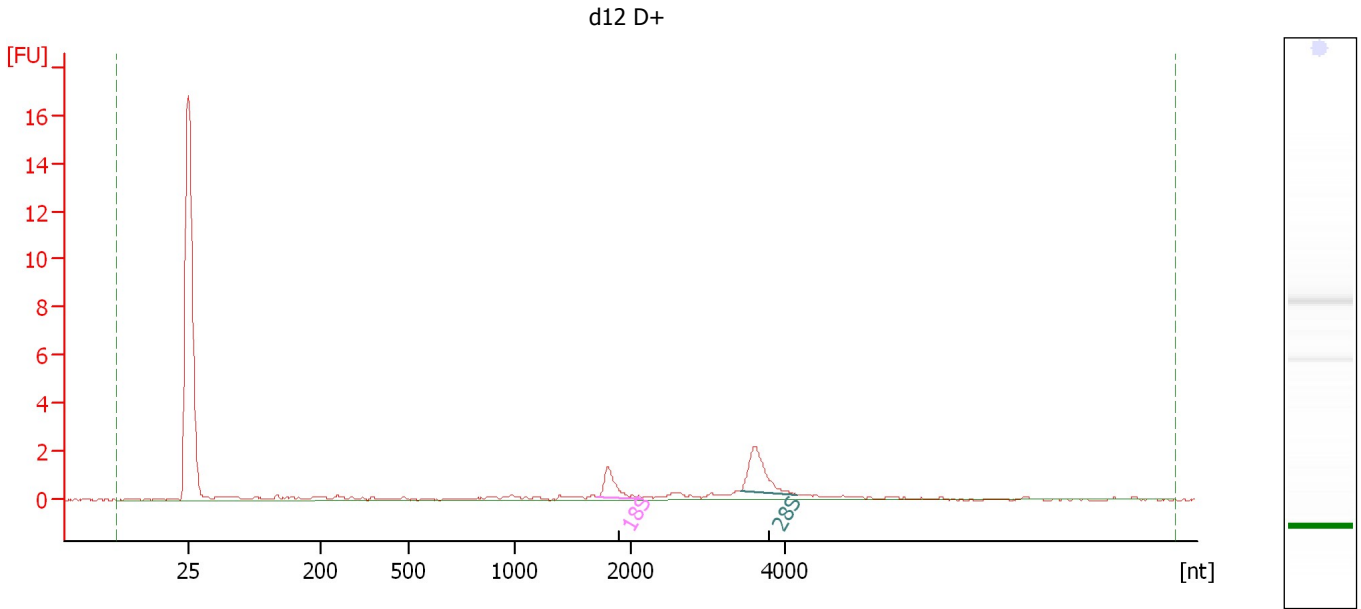
Overall Results for Ladder

RNA Area:	204.7	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
Modified: 7/23/2019 2:56:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : d12 D+

RNA Area:	16.4	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	12 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:8

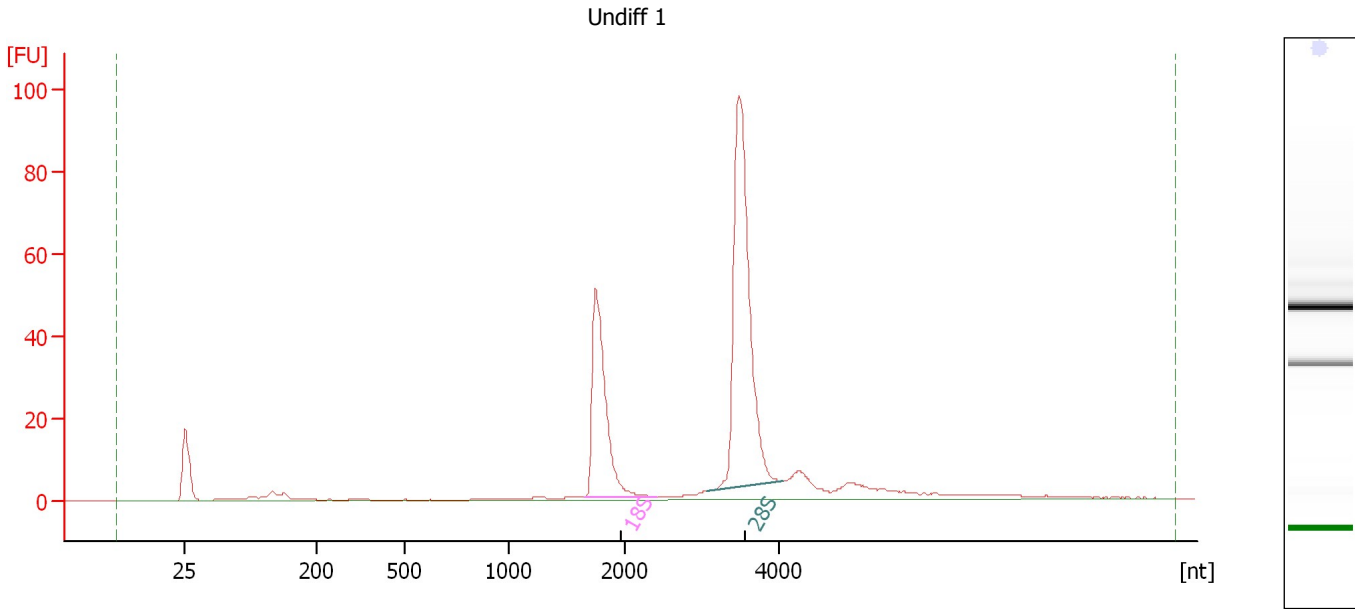
Fragment table for sample 8 : d12 D+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,154	1.8	11.2
28S	3,426	4,159	3.3	20.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
 Modified: 7/23/2019 2:56:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Undiff 1

RNA Area:	352.7	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	258 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:10

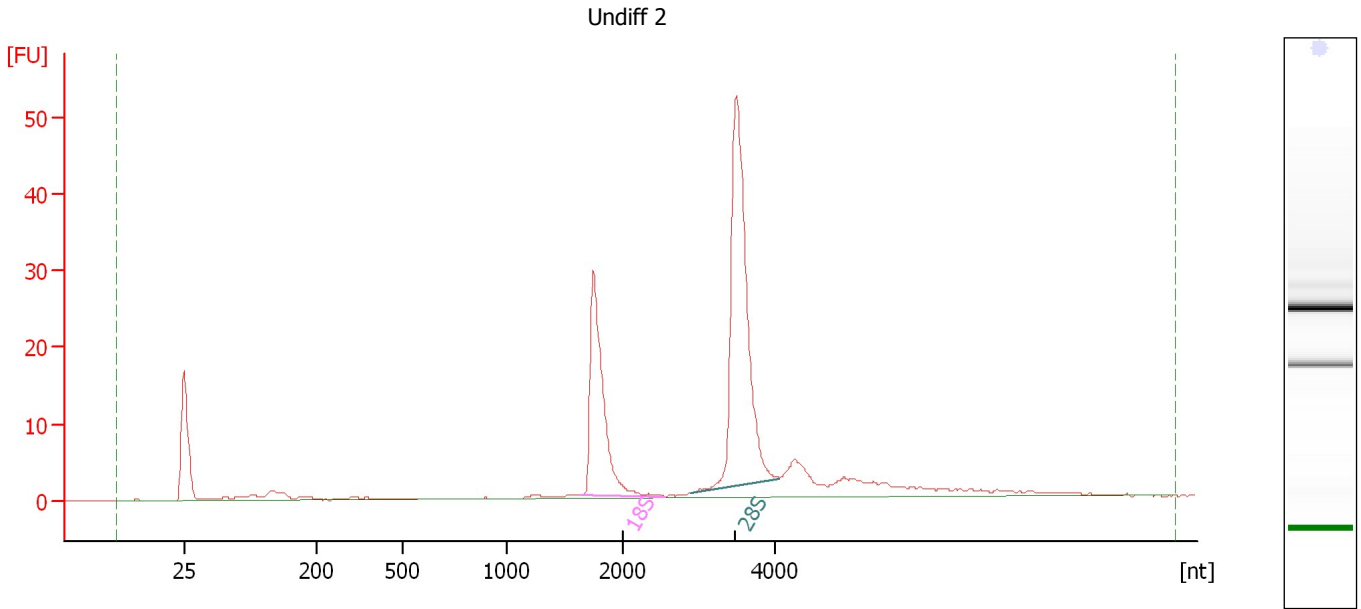
Fragment table for sample 9 : Undiff 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,646	2,416	85.0	24.1
28S	3,070	4,072	163.7	46.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
Modified: 7/23/2019 2:56:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Undiff 2

RNA Area:	201.3	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	148 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:10

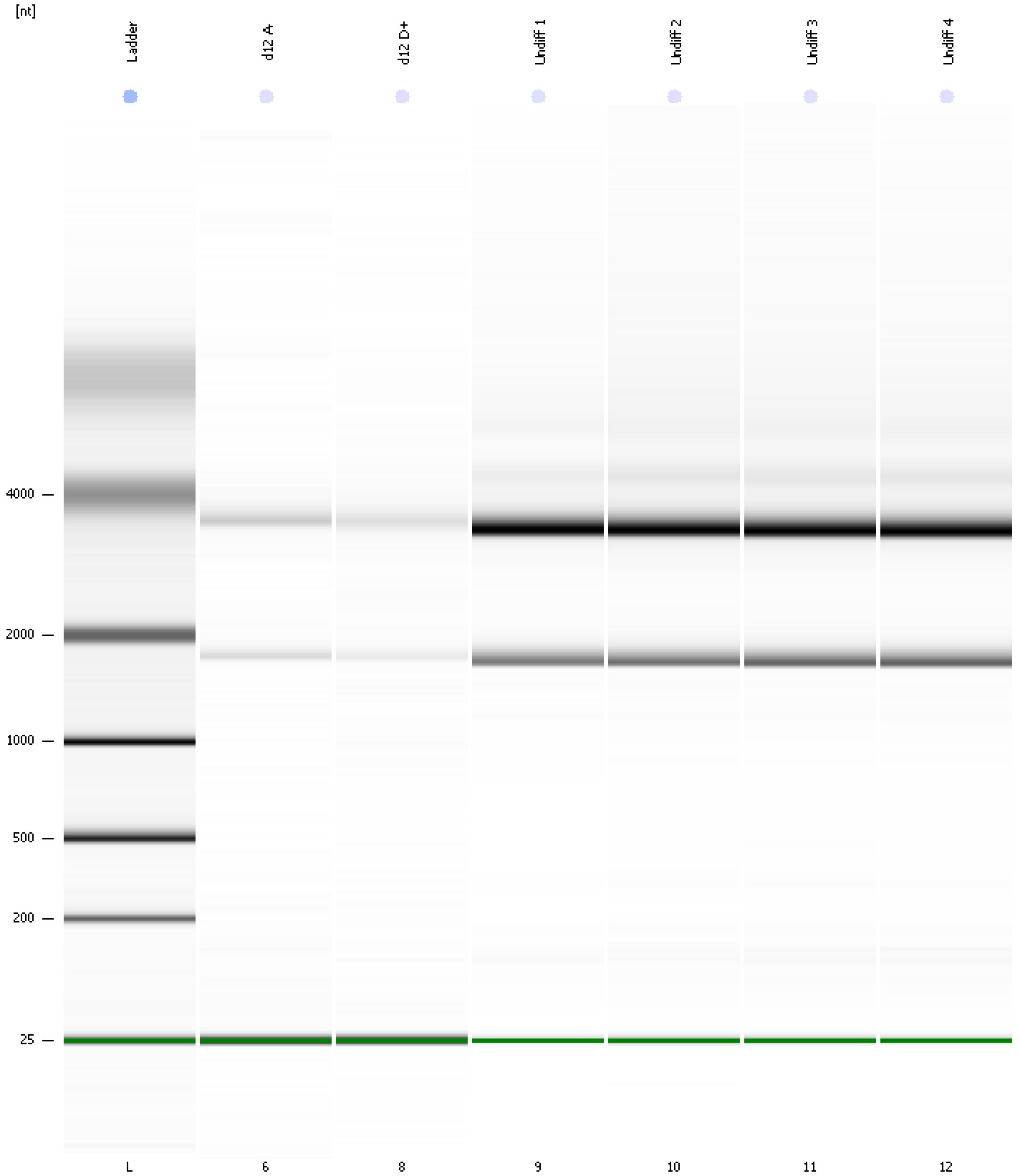
Fragment table for sample 10 : Undiff 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,635	2,555	48.3	24.0
28S	2,904	4,048	88.1	43.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
Modified: 7/23/2019 2:56:33 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad

Created: 7/23/2019 2:30:22 PM
Modified: 7/23/2019 2:56:33 PM

Invalid Samples

Sample 7 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano Created: 7/23/2019 2:30:22 PM
 Data Path: C:\...analyzer\2100 expert\data\2019-07-23\2019-07-23_003_new.xad Modified: 7/23/2019 2:56:33 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		7/23/2019 2:54:10 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\2019-07-23\2019-07-23_003.xad)		Instrument	Run		7/23/2019 2:30:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		7/23/2019 2:30:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/23/2019 2:30:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/23/2019 2:30:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		7/23/2019 2:30:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/23/2019 2:30:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/23/2019 2:30:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1