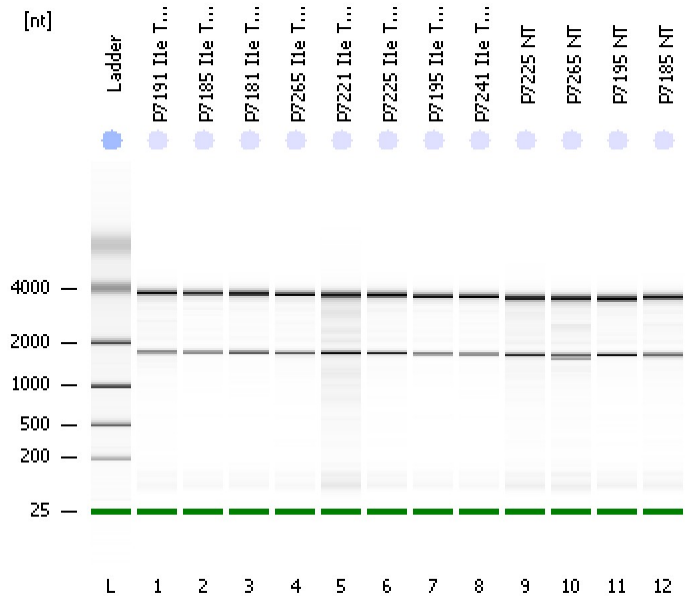


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electrophoresis File Run Summary



Instrument Information:

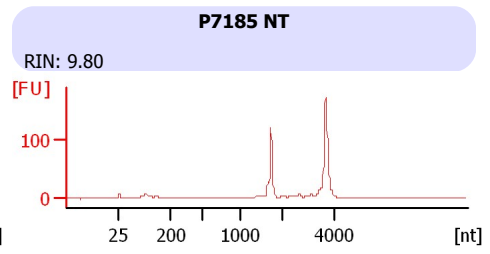
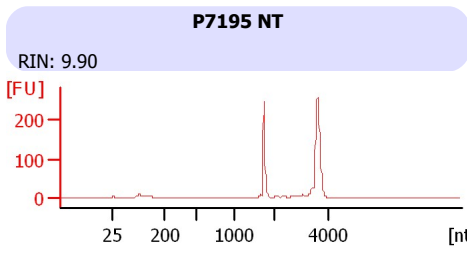
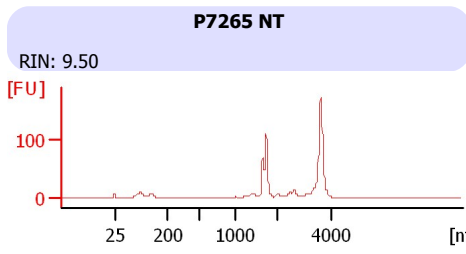
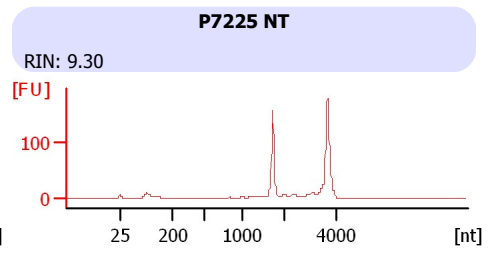
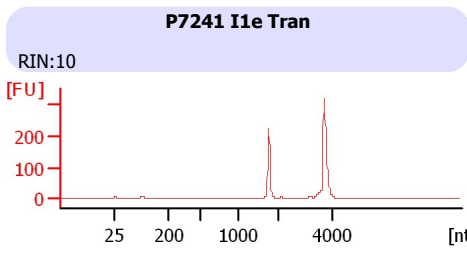
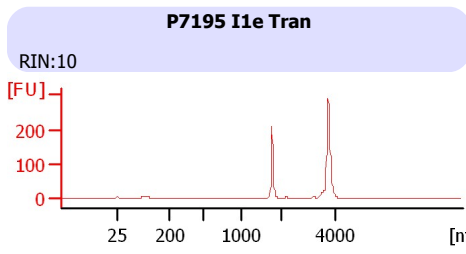
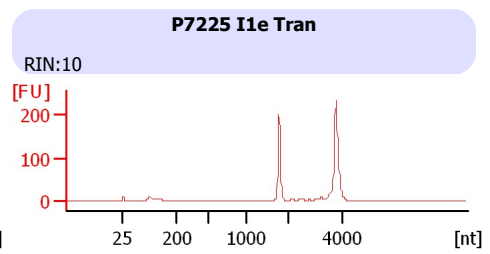
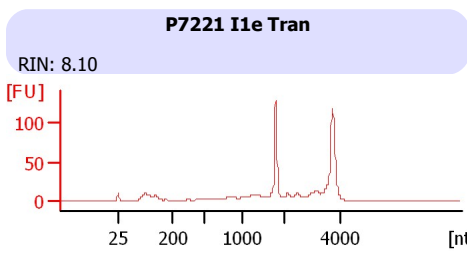
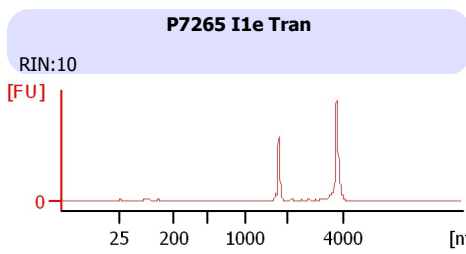
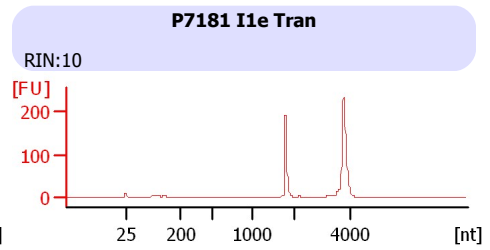
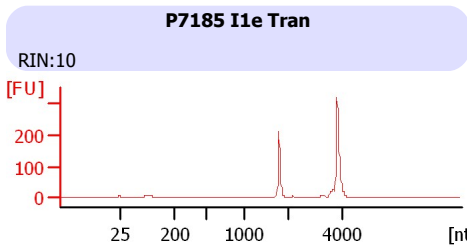
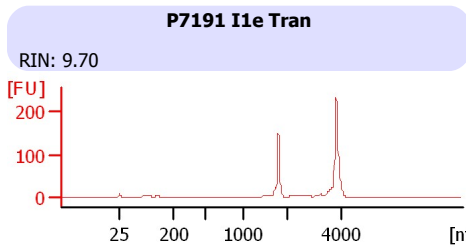
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

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

Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
 Modified: 1/23/2013 3:19:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
P7191 I1e Tran		✓	RIN: 9.70	
P7185 I1e Tran		✓	RIN:10	
P7181 I1e Tran		✓	RIN:10	
P7265 I1e Tran		✓	RIN:10	
P7221 I1e Tran		✓	RIN: 8.10	
P7225 I1e Tran		✓	RIN:10	
P7195 I1e Tran		✓	RIN:10	
P7241 I1e Tran		✓	RIN:10	
P7225 NT		✓	RIN: 9.30	
P7265 NT		✓	RIN: 9.50	
P7195 NT		✓	RIN: 9.90	
P7185 NT		✓	RIN: 9.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 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

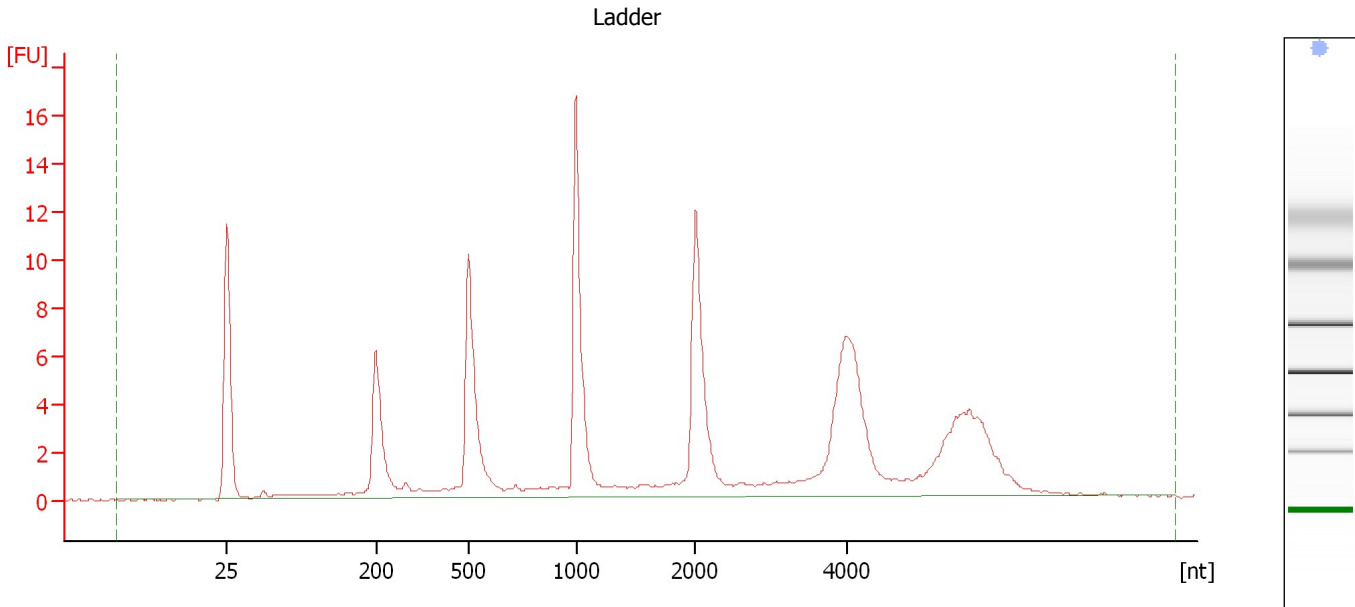
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary



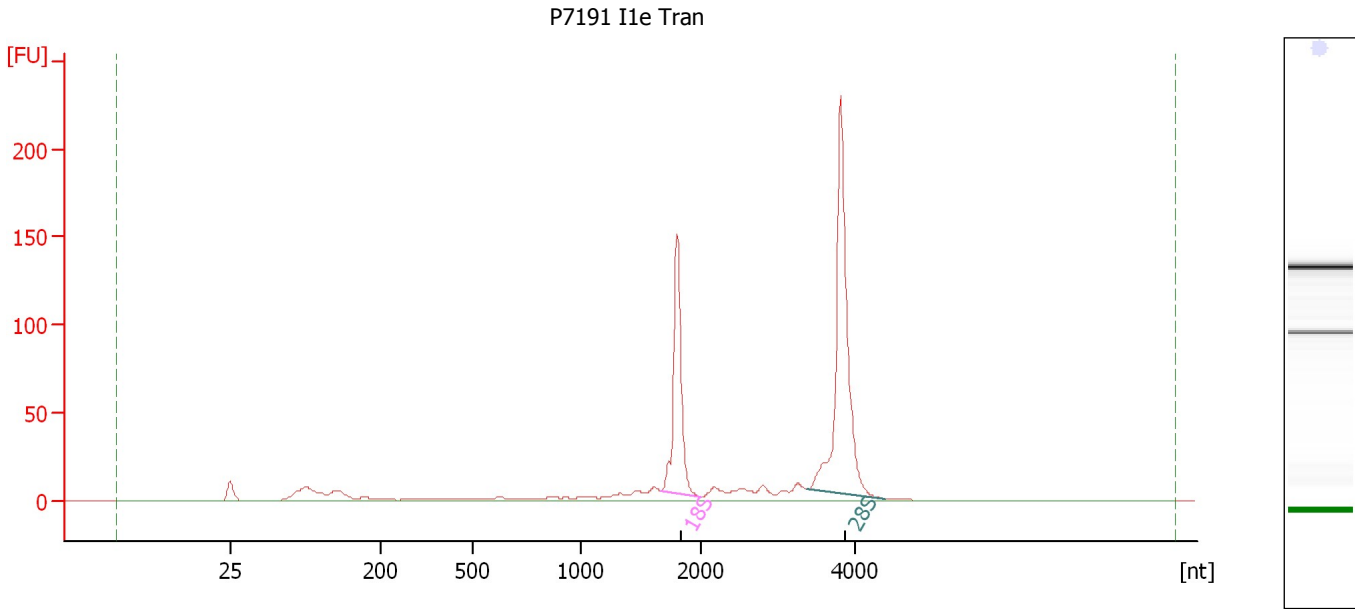
Overall Results for Ladder

RNA Area:	116.1	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : P7191 I1e Tran

RNA Area: 621.8 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 803 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.70

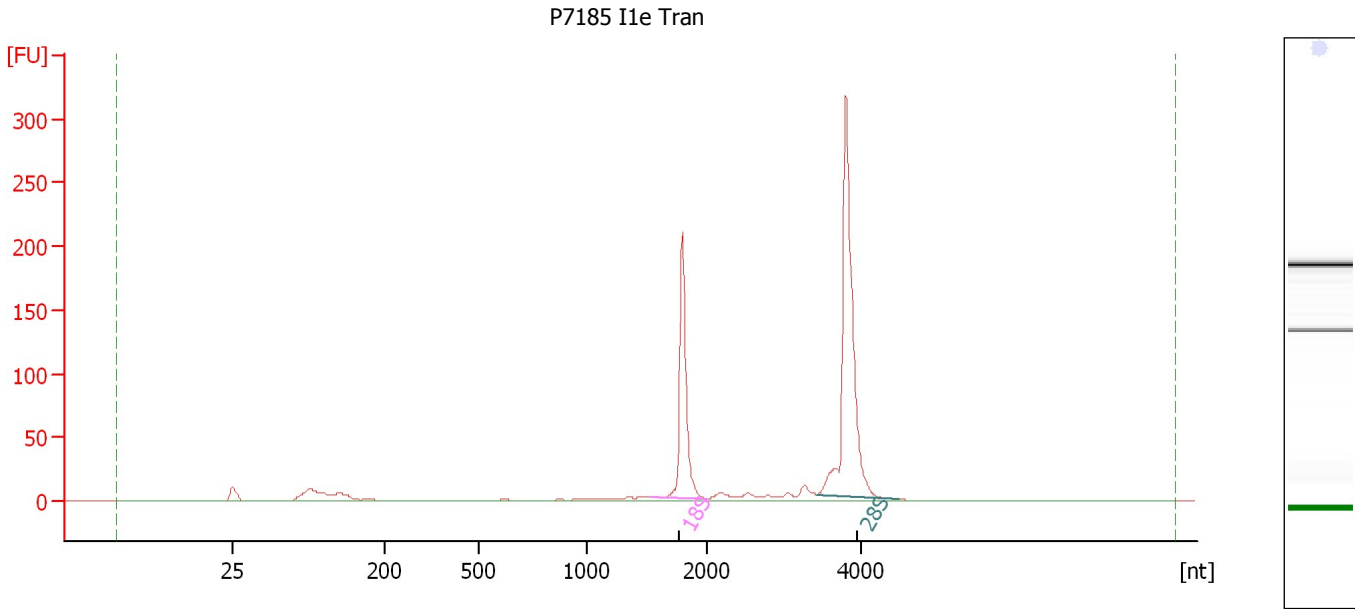
Fragment table for sample 1 : P7191 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	1,994	127.0	20.4
28S	3,380	4,395	252.0	40.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P7185 I1e Tran

RNA Area: 663.8 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 858 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:10

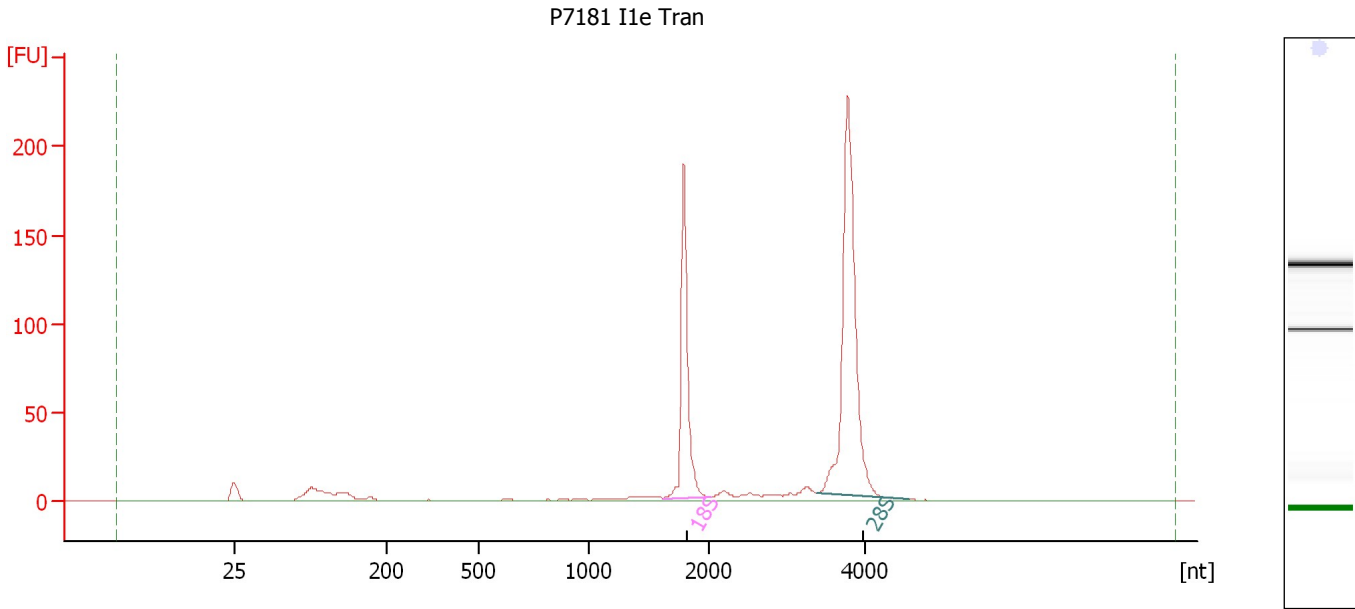
Fragment table for sample 2 : P7185 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,534	1,997	163.6	24.6
28S	3,418	4,468	314.5	47.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P7181 I1e Tran

RNA Area: 578.6 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 748 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:10

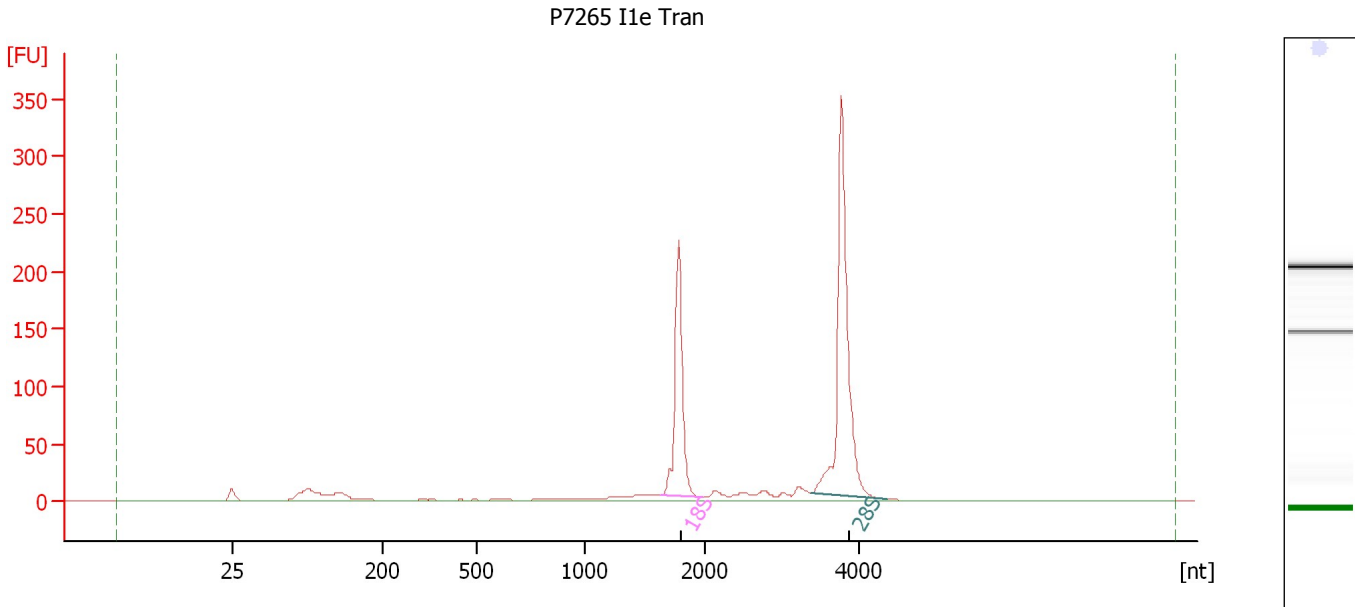
Fragment table for sample 3 : P7181 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	2,010	148.0	25.6
28S	3,389	4,575	279.6	48.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P7265 I1e Tran

RNA Area: 805.2 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 1,040 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:10

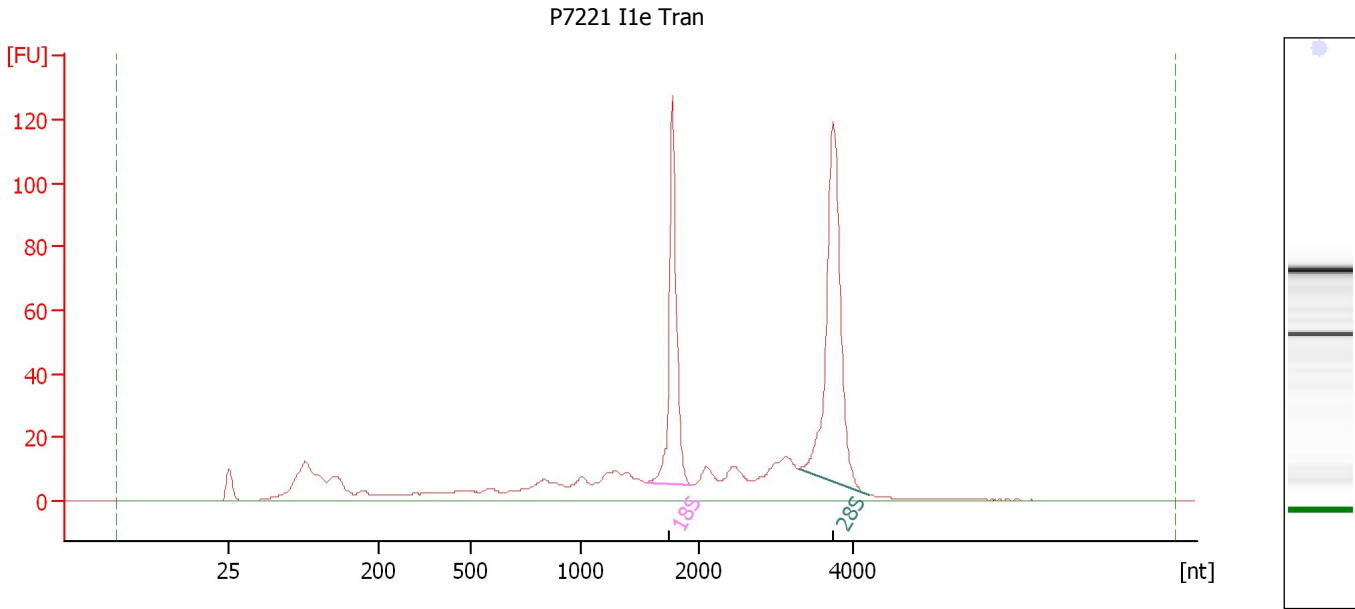
Fragment table for sample 4 : P7265 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	1,978	188.9	23.5
28S	3,378	4,347	351.9	43.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : P7221 I1e Tran

RNA Area: 656.5 RNA Integrity Number (RIN): 8.1 (B.02.08)
RNA Concentration: 848 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 8.10

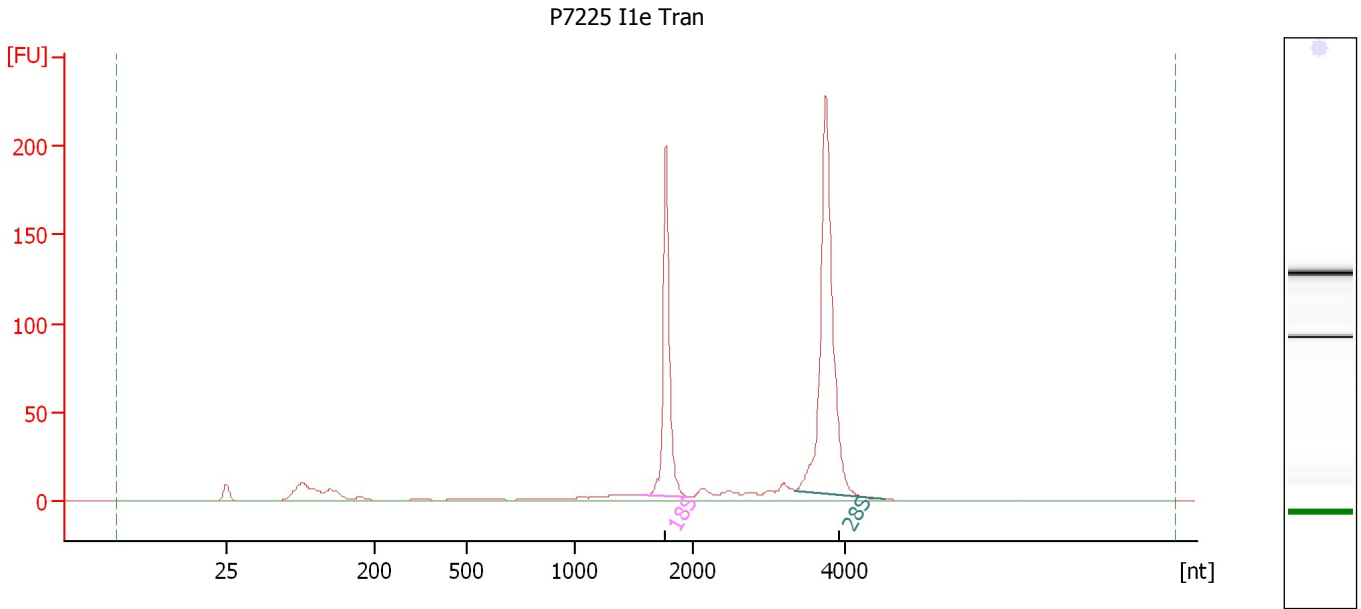
Fragment table for sample 5 : P7221 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,553	1,939	102.4	15.6
28S	3,312	4,203	162.4	24.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : P7225 I1e Tran

RNA Area: 642.8 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 831 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN:10

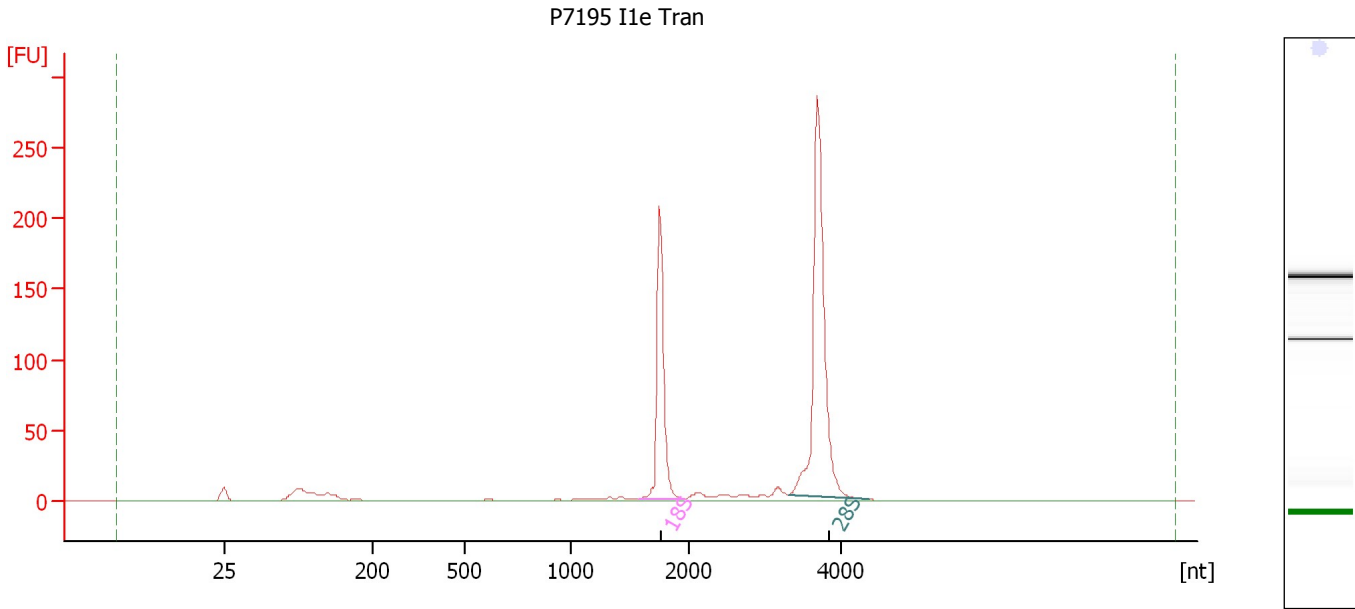
Fragment table for sample 6 : P7225 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,971	155.5	24.2
28S	3,343	4,521	280.9	43.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : P7195 I1e Tran

RNA Area: 626.4 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 809 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN:10

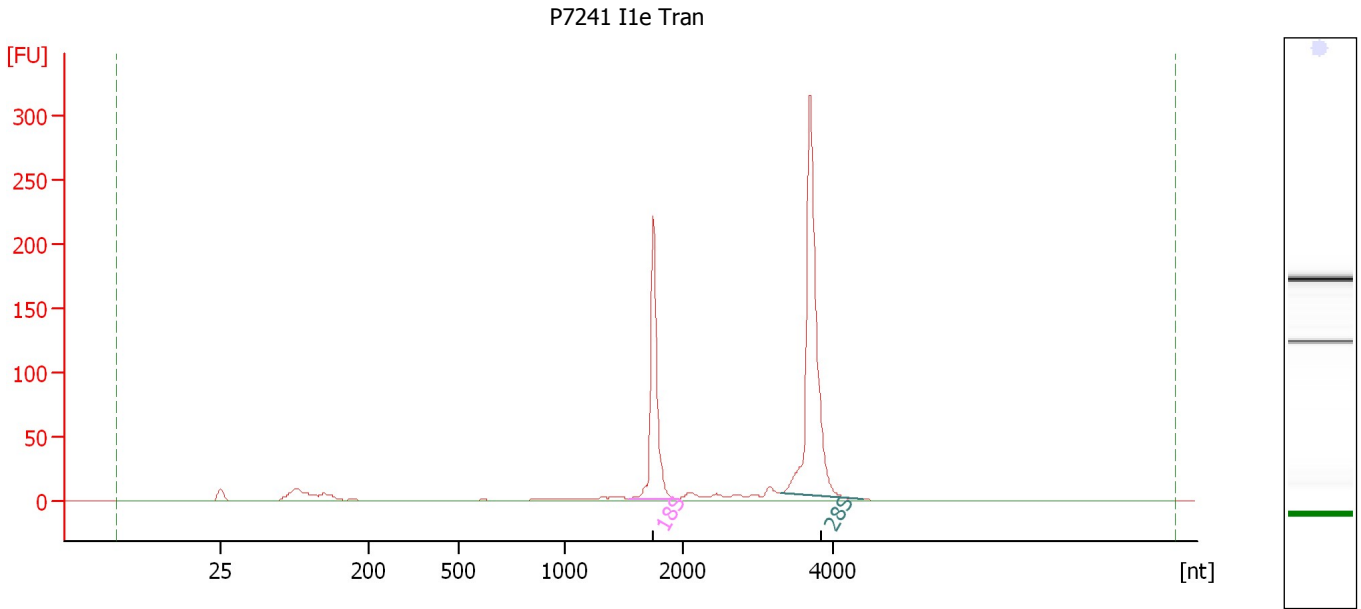
Fragment table for sample 7 : P7195 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,570	1,960	155.9	24.9
28S	3,318	4,373	304.8	48.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : P7241 I1e Tran

RNA Area: 691.7 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 894 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:10

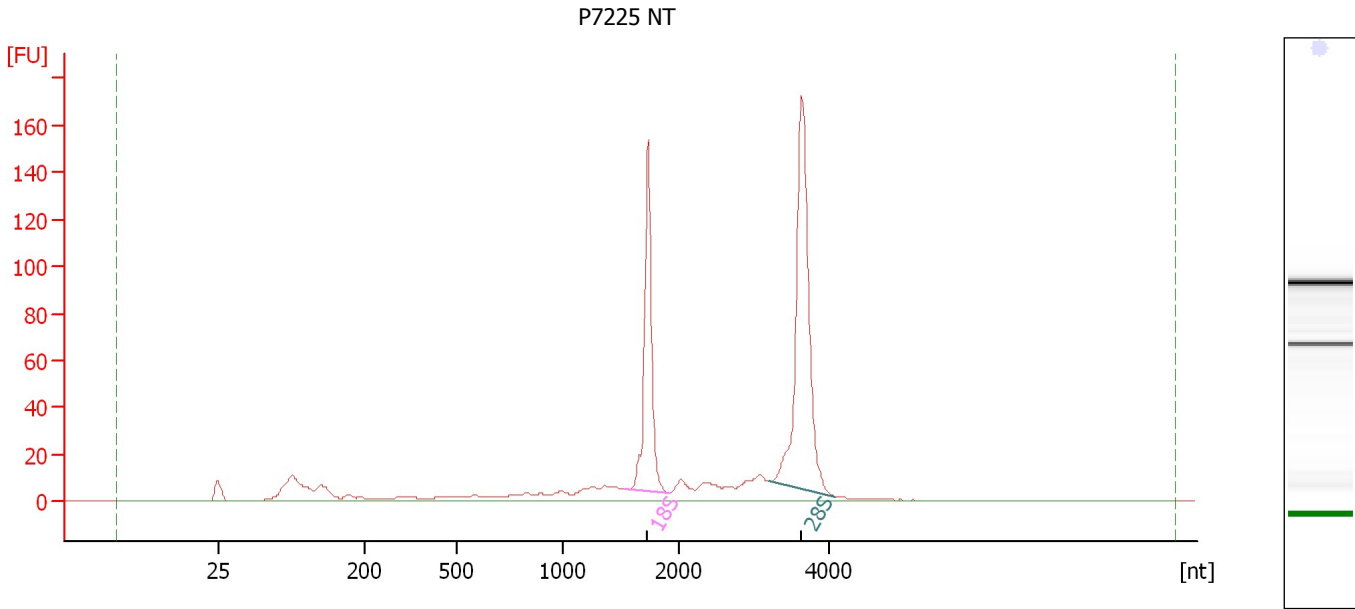
Fragment table for sample 8 : P7241 I1e Tran

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,537	1,957	172.6	24.9
28S	3,293	4,397	334.1	48.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : P7225 NT

RNA Area:	624.5	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	807 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.30

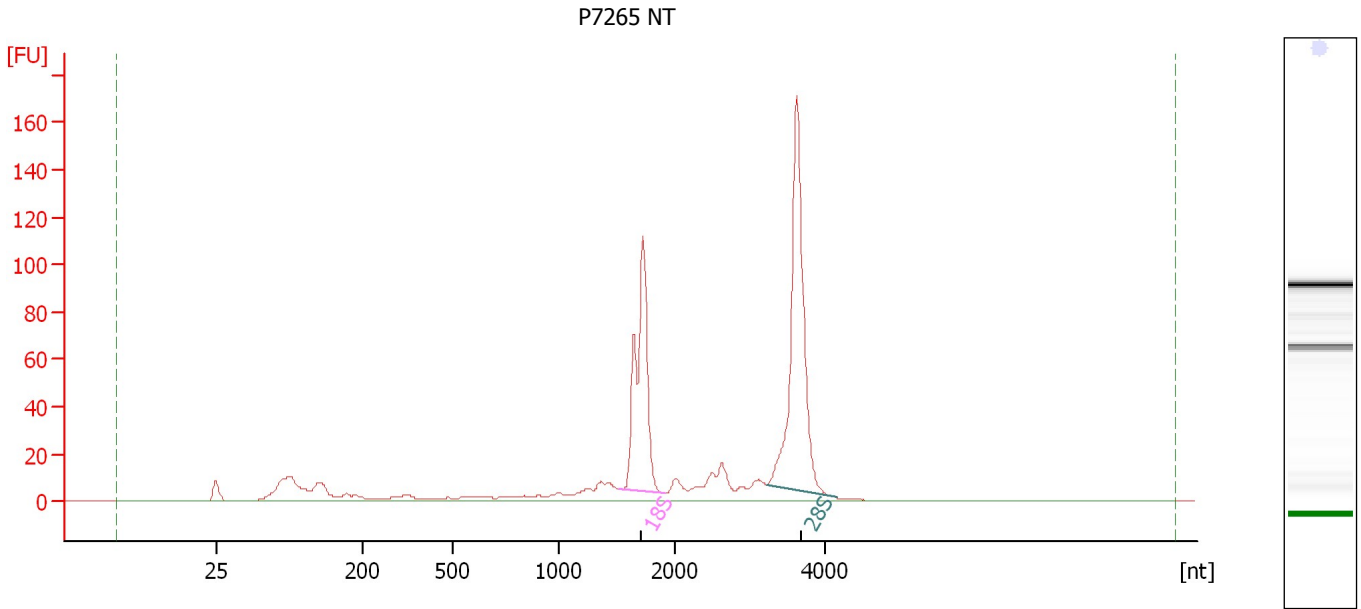
Fragment table for sample 9 : P7225 NT

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,533	1,918	127.4	20.4
28S	3,195	4,077	220.0	35.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : P7265 NT

RNA Area: 647.1 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 836 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.50

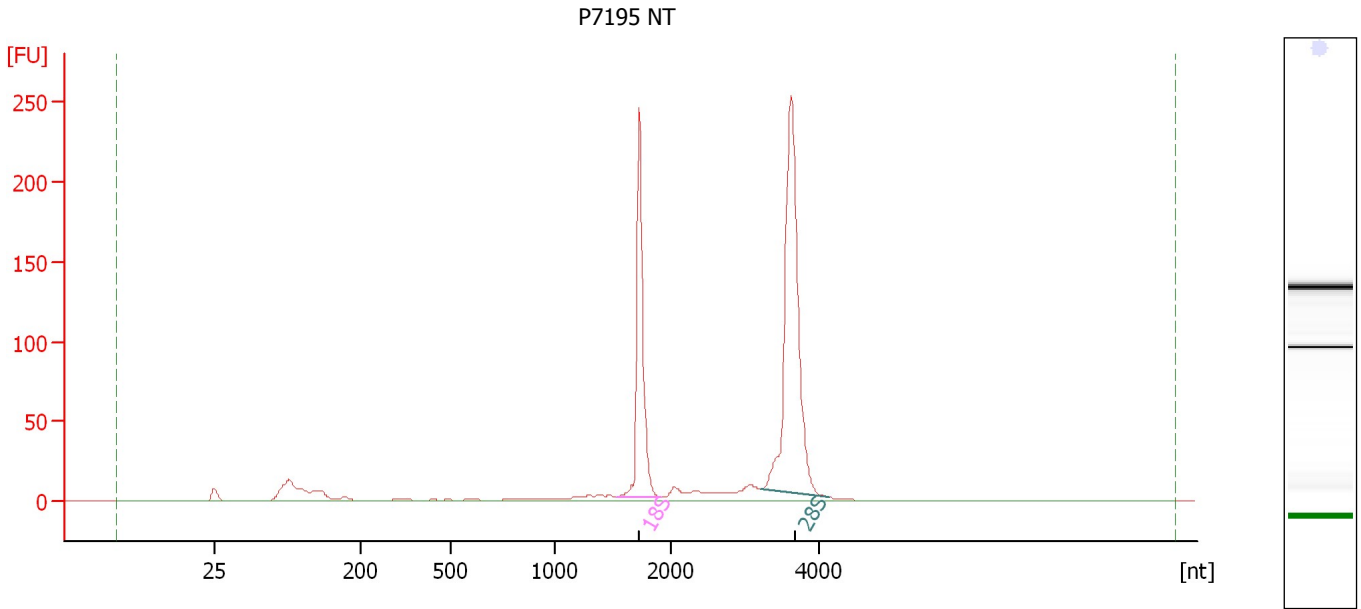
Fragment table for sample 10 : P7265 NT

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,916	146.5	22.6
28S	3,226	4,153	218.1	33.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : P7195 NT

RNA Area: 755.6 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 976 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 9.90

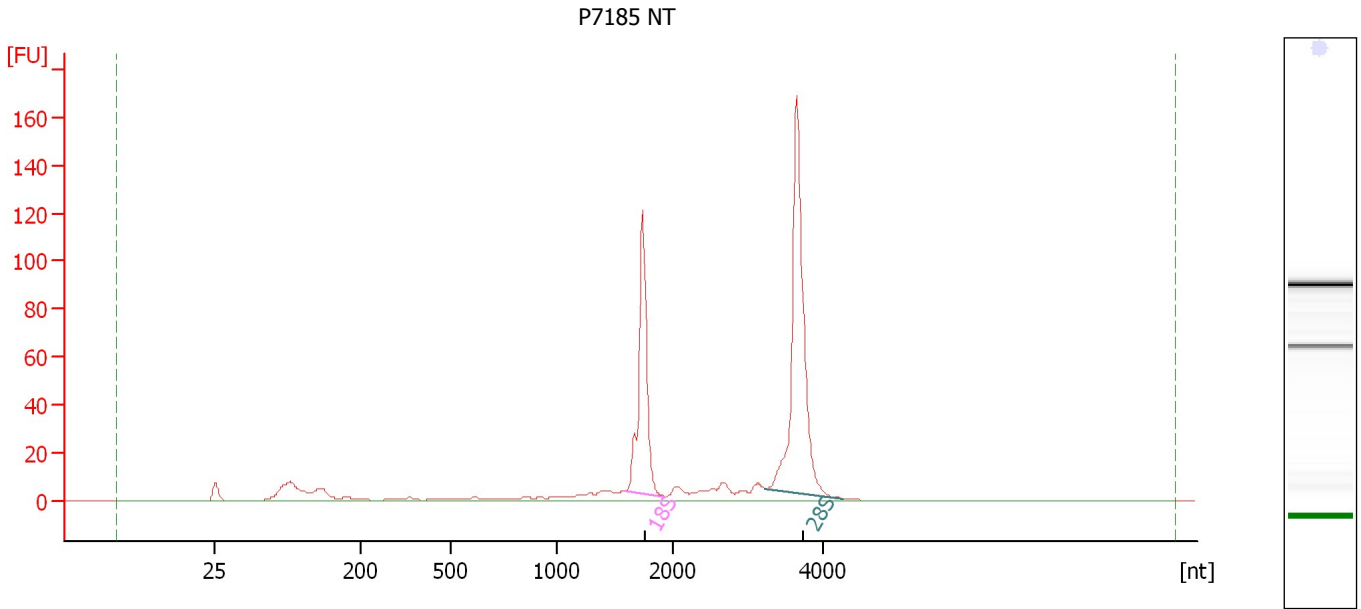
Fragment table for sample 11 : P7195 NT

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,913	185.3	24.5
28S	3,199	4,116	344.7	45.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : P7185 NT

RNA Area:	497.4	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	643 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.80

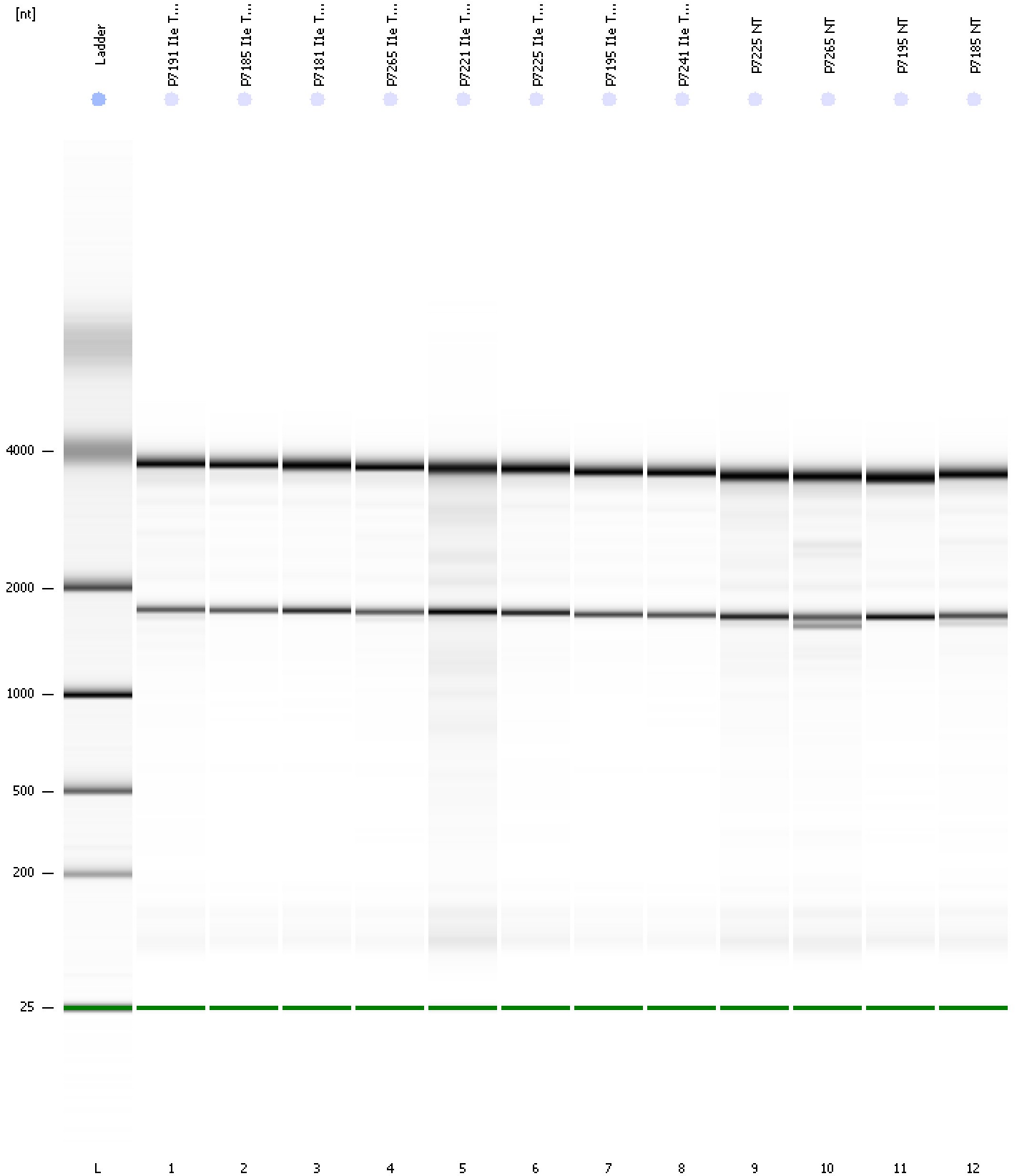
Fragment table for sample 12 : P7185 NT

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,583	1,924	111.0	22.3
28S	3,241	4,285	197.9	39.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
Modified: 1/23/2013 3:19:27 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad

Created: 1/23/2013 2:55:38 PM
 Modified: 1/23/2013 3:19:27 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		1/23/2013 3:19:25 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-01-23\2013-01-23_003.xad)		Instrument	Run		1/23/2013 2:55:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/23/2013 2:55:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/23/2013 2:55:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/23/2013 2:55:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/23/2013 2:55:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/23/2013 2:55:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/23/2013 2:55:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1