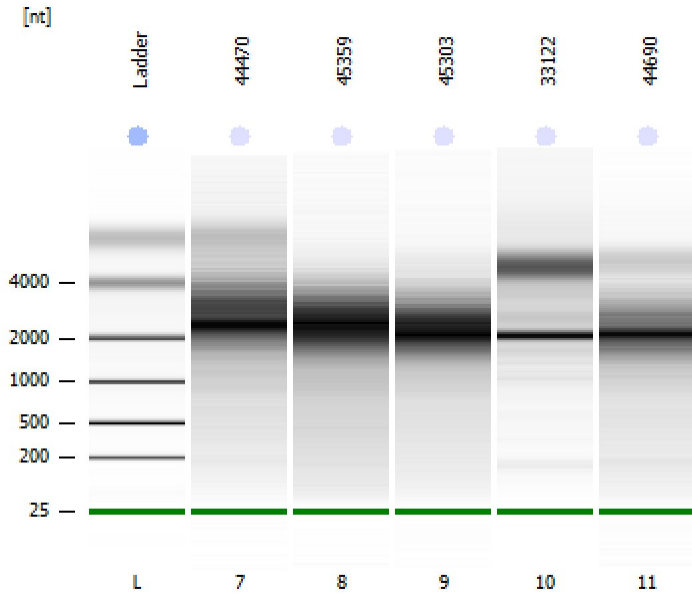


Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

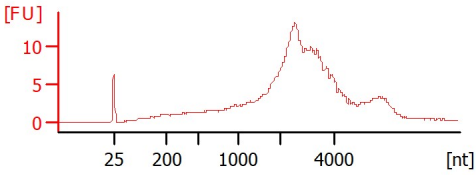
Assay Information:

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

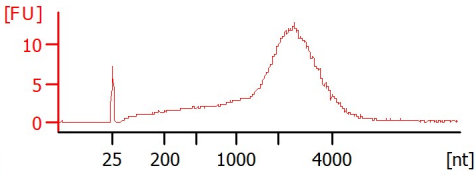
Chip Information:

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

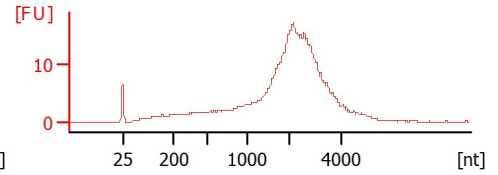
**44470**  
 RIN: 3



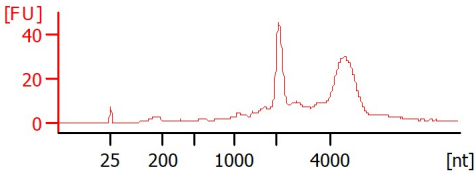
**45359**  
 RIN: 2.60



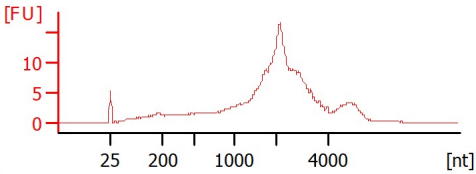
**45303**  
 RIN: 3.10



**33122**  
 RIN: 8.80



**44690**  
 RIN: 5.20



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
44470		✓	RIN:3	
45359		✓	RIN: 2.60	
45303		✓	RIN: 3.10	
33122		✓	RIN: 8.80	
44690		✓	RIN: 5.20	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 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

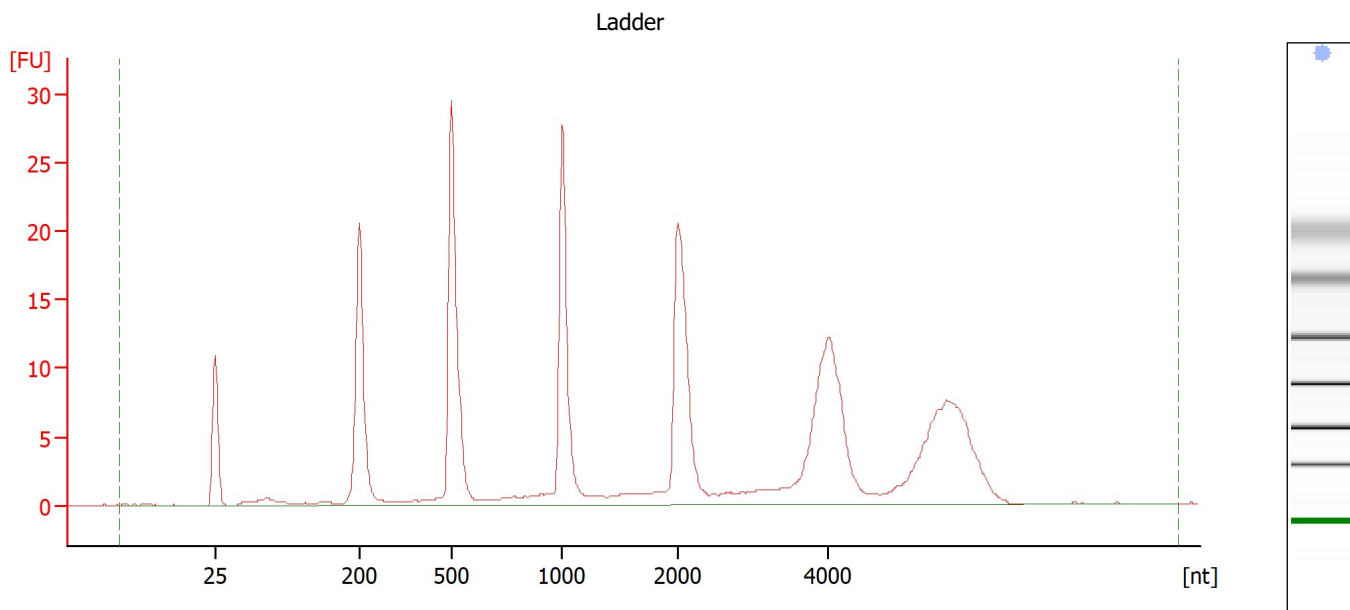
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
Modified: 10/30/2020 3:36:55 PM

**Electropherogram Summary**



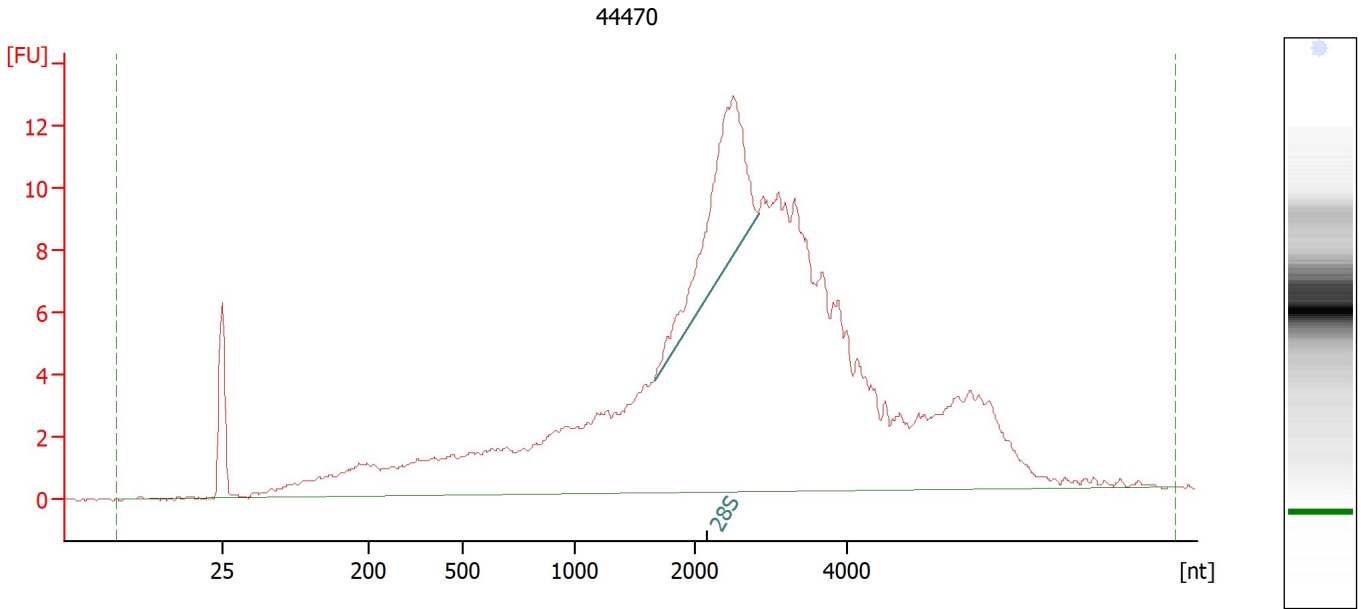
**Overall Results for Ladder**

RNA Area:	228.6	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 44470**

RNA Area:	256.8	RNA Integrity Number (RIN):	3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	168 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

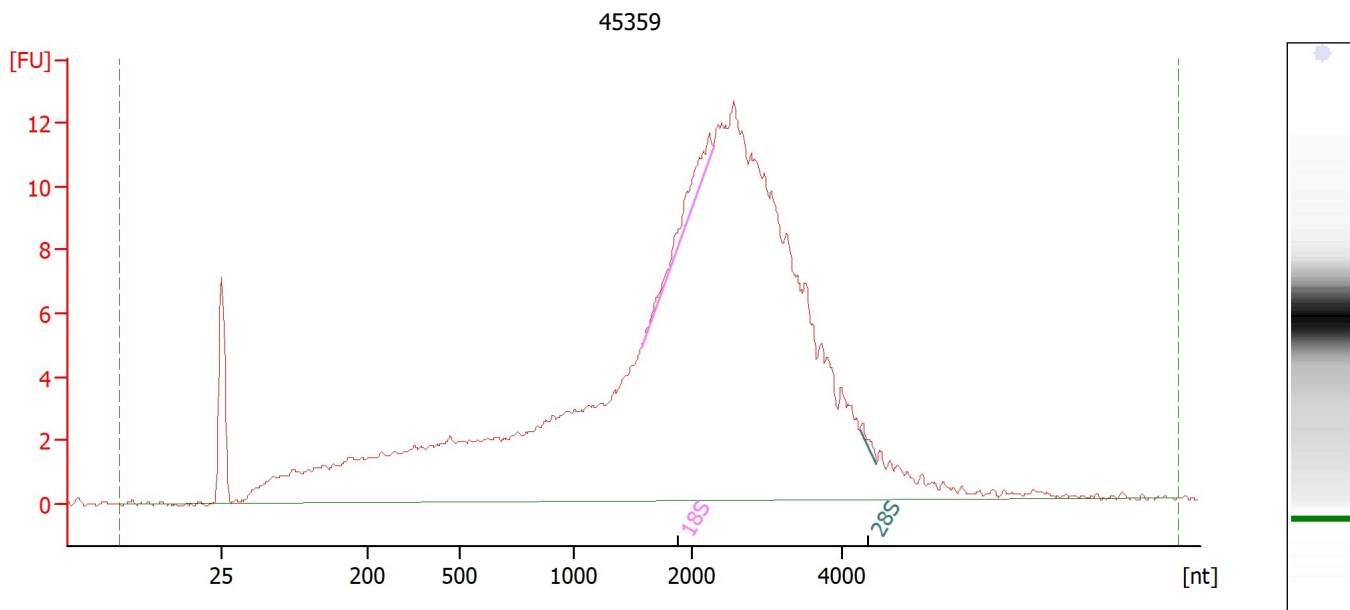
**Fragment table for sample 7 : 44470**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,665	2,839	21.5	8.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 45359**

RNA Area:	276.0	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	181 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.60

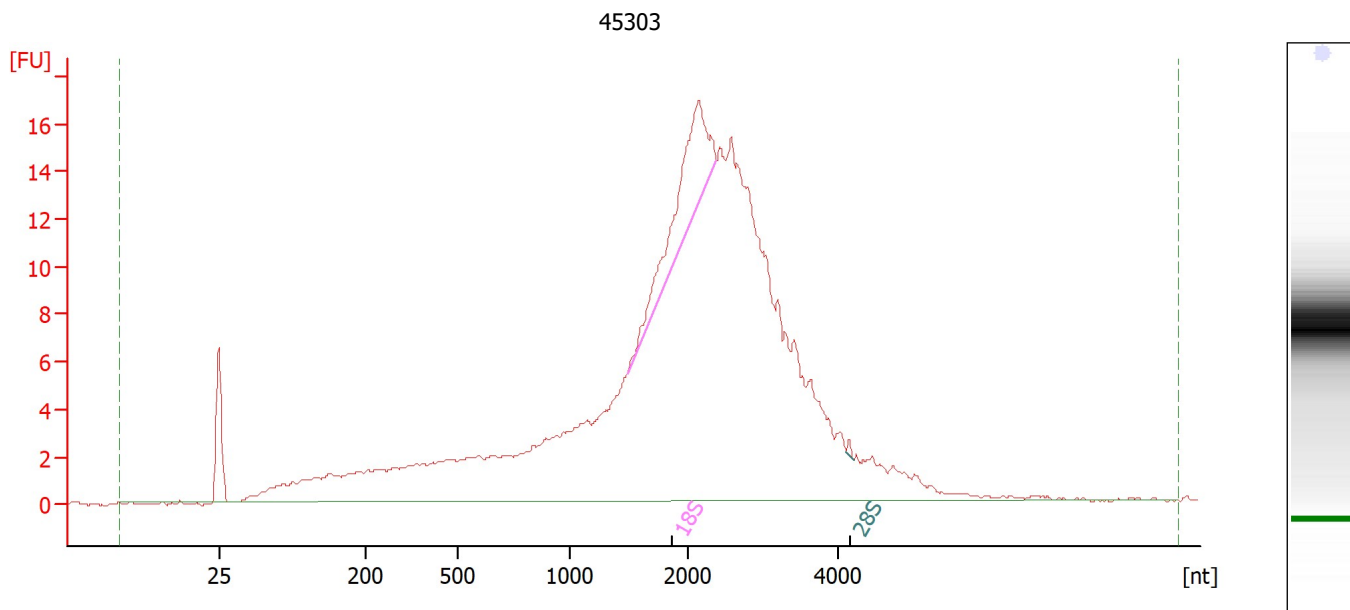
**Fragment table for sample 8 : 45359**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	2,290	3.1	1.1
28S	4,223	4,448	0.4	0.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 45303**

RNA Area:	310.6	RNA Integrity Number (RIN):	3.1 (B.02.10)
RNA Concentration:	204 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

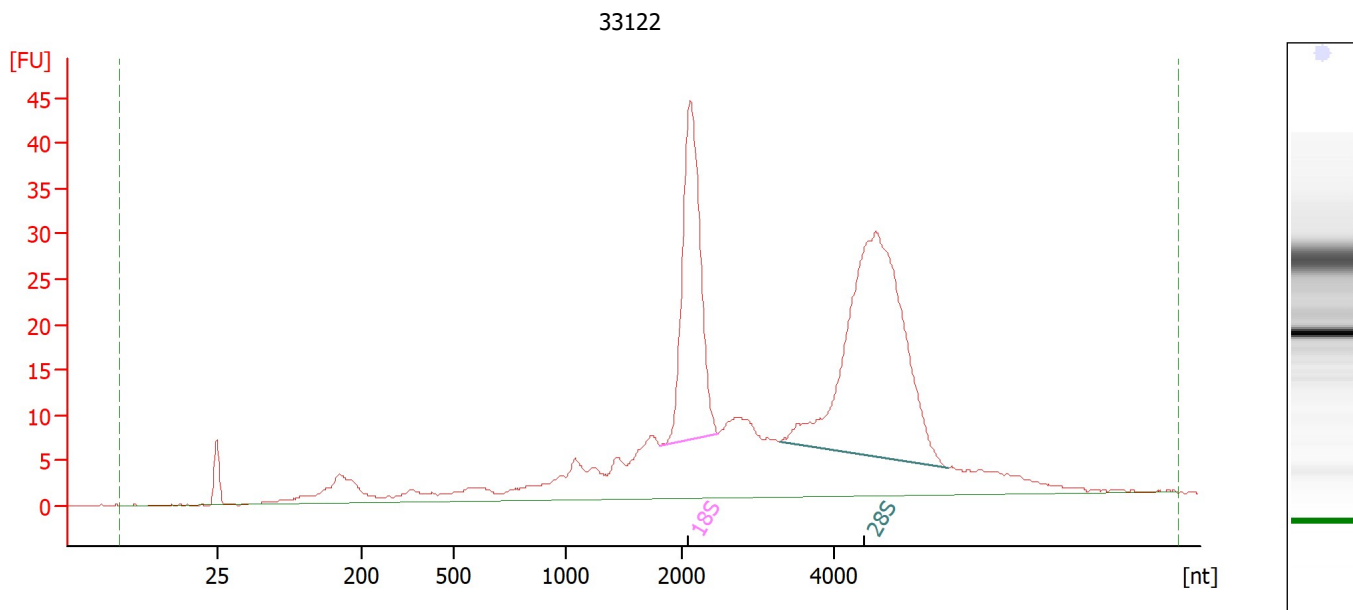
**Fragment table for sample 9 : 45303**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,493	2,387	16.6	5.3
28S	4,116	4,215	0.2	0.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 33122**

RNA Area:	487.1	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	320 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.80

**Fragment table for sample 10 : 33122**

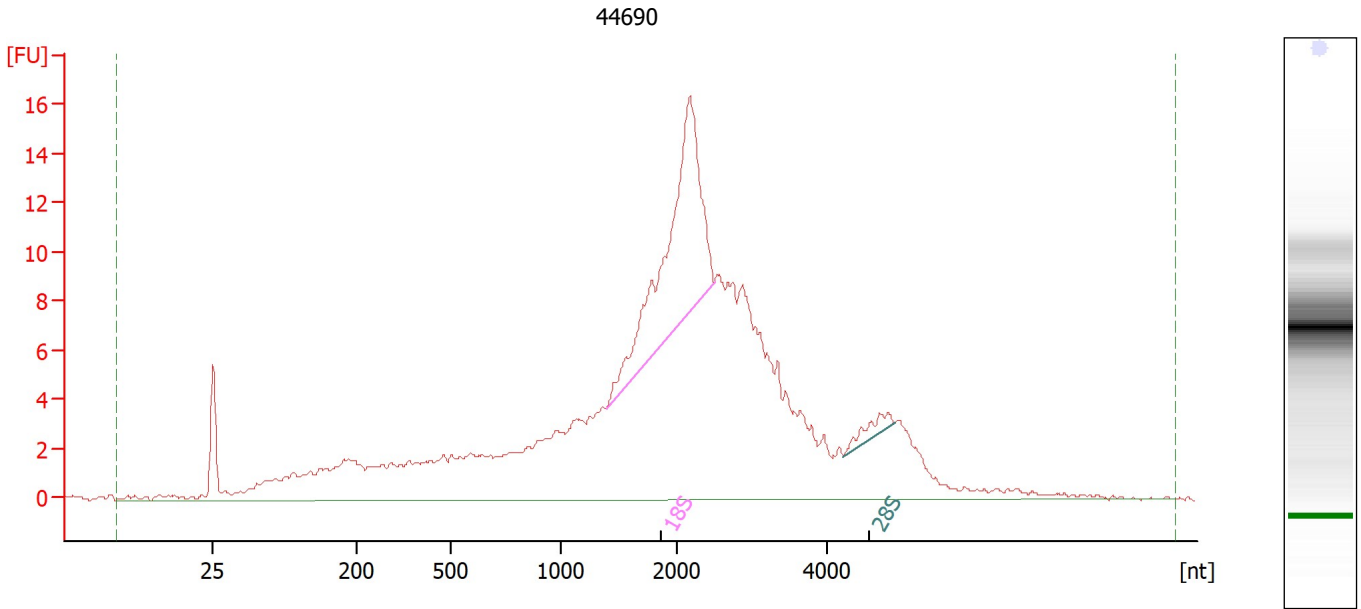
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,809	2,457	77.9	16.0
28S	3,283	5,530	143.7	29.5



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 44690**

RNA Area:	277.3	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	182 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.20

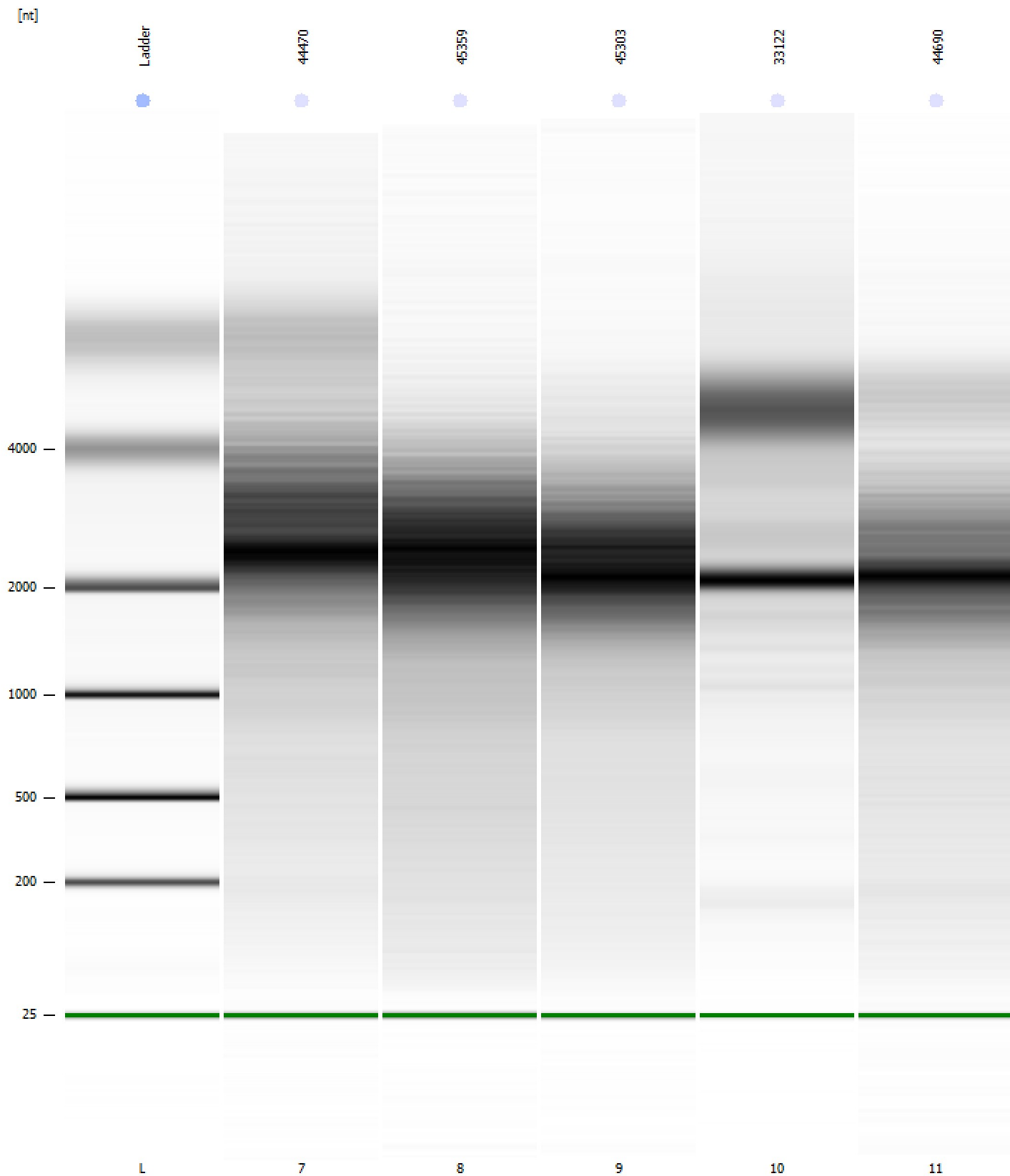
**Fragment table for sample 11 : 44690**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,387	2,486	35.3	12.7
28S	4,211	4,895	2.1	0.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
Modified: 10/30/2020 3:36:55 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-10-30\_001\_QC717.xad

Created: 10/30/2020 3:00:50 PM  
 Modified: 10/30/2020 3:36:55 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		10/30/2020 3:23:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-10-30\Bioanalyzer1_Eukaryote Total RNA Nano_2020-10-30_001.xad)		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB