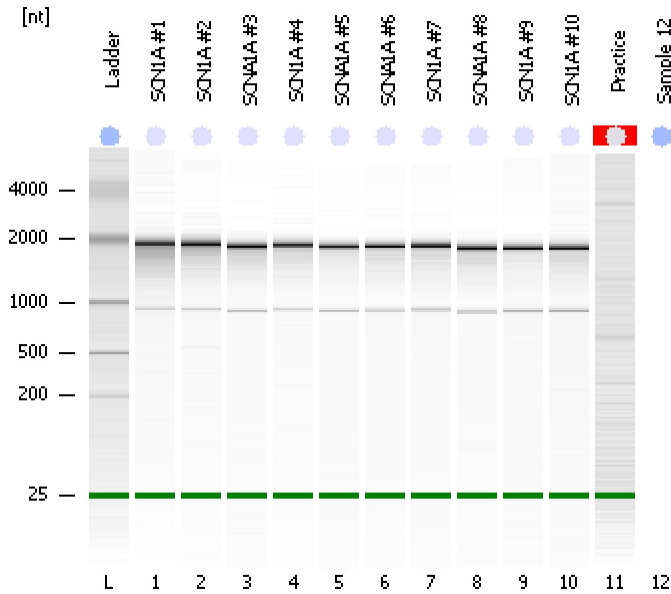


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

Electrophoresis File Run Summary



Instrument Information:

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

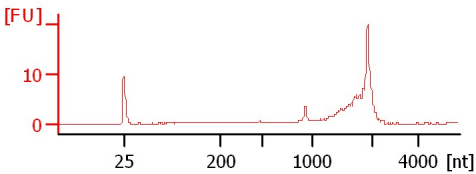
Assay Information:

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.

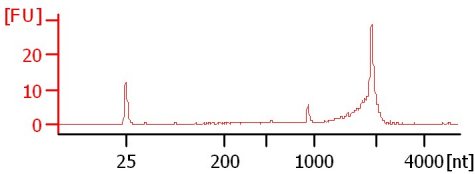
Chip Information:

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

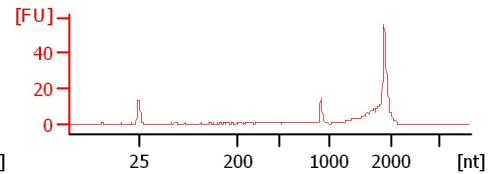
SCNA1A #1  
RIN: 6.70



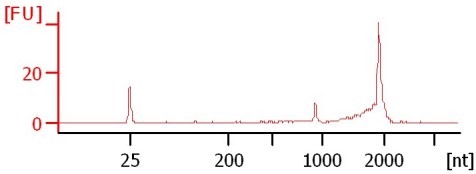
SCNA1A #2  
RIN: 8.10



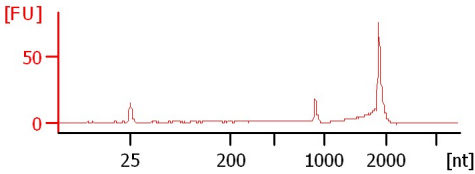
SCNA1A #3  
RIN: 8.40



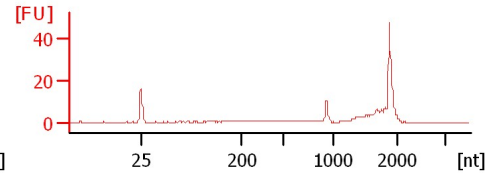
SCNA1A #4  
RIN: 8.10



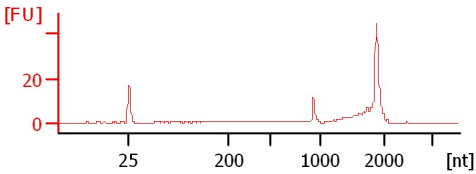
SCNA1A #5  
RIN: 8.20



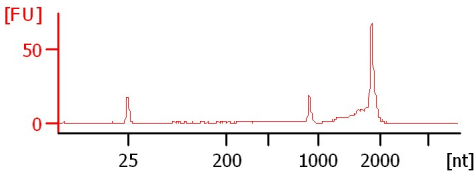
SCNA1A #6  
RIN: 8.20



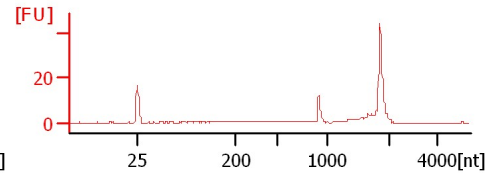
SCNA1A #7  
RIN: 8.30



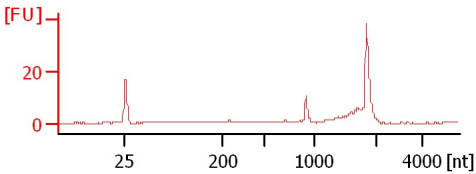
SCNA1A #8  
RIN: 8.40



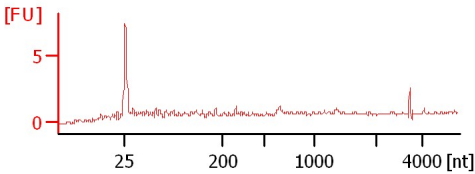
SCNA1A #9  
RIN: 8.30



SCNA1A #10  
RIN: 8.30



Practice  
RIN N/A



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
 Modified: 5/5/2015 4:12:13 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
SCN1A #1		✓	RIN: 6.70	
SCN1A #2		✓	RIN: 8.10	
SCNA1A #3		✓	RIN: 8.40	
SCN1A #4		✓	RIN: 8.10	
SCNA1A #5		✓	RIN: 8.20	
SCNA1A #6		✓	RIN: 8.20	
SCN1A #7		✓	RIN: 8.30	
SCNA1A #8		✓	RIN: 8.40	
SCN1A #9		✓	RIN: 8.30	
SCN1A #10		✓	RIN: 8.30	
Practice		✓	RIN N/A	
Sample 12		✗		
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 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

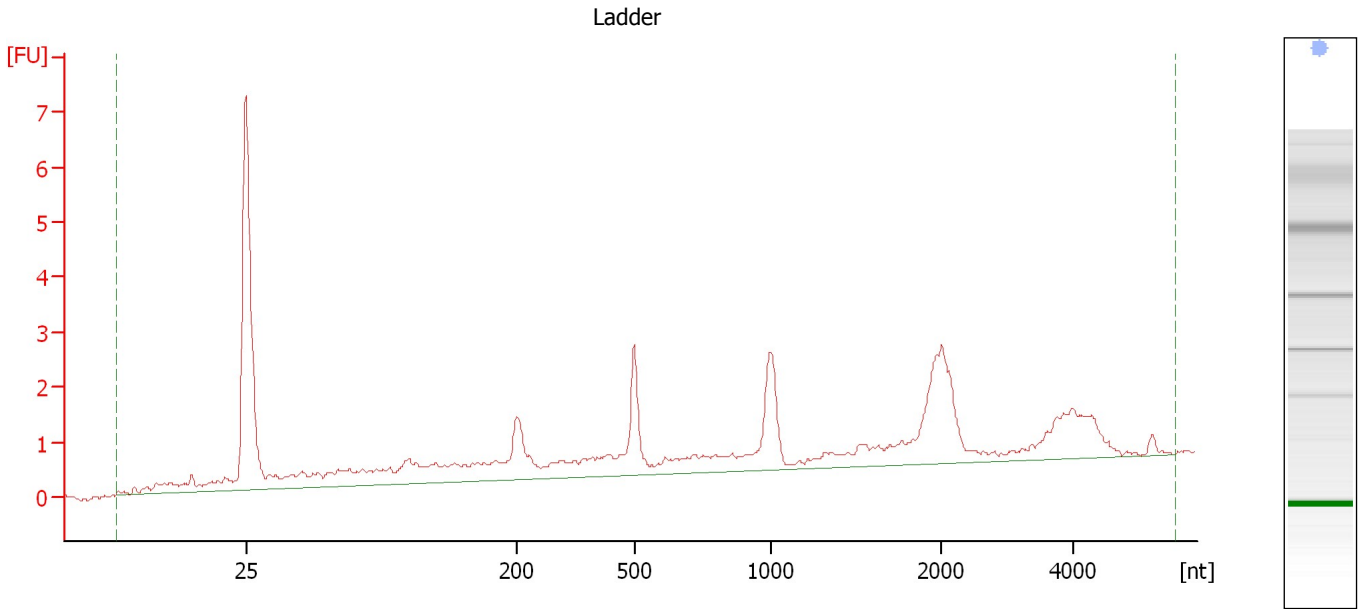
### Ladder

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\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary**



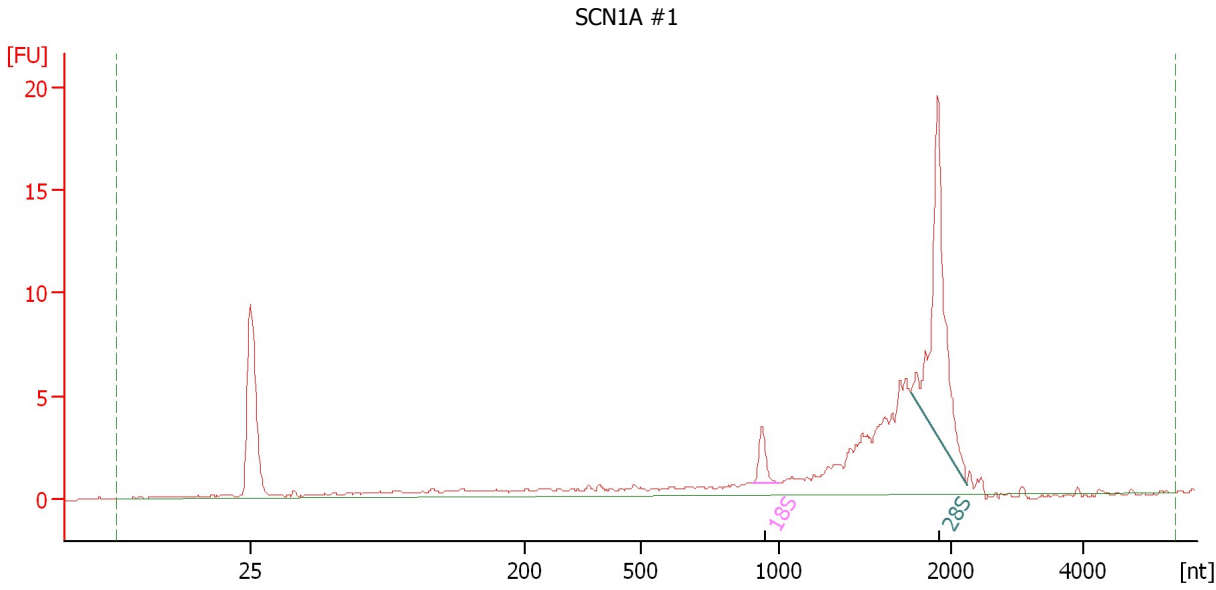
**Overall Results for Ladder**

RNA Area:	38.2	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : SCN1A #1**

RNA Area:	79.2	RNA Integrity Number (RIN):	6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	311 ng/μl		
rRNA Ratio [28s / 18s]:	8.9	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 6.70

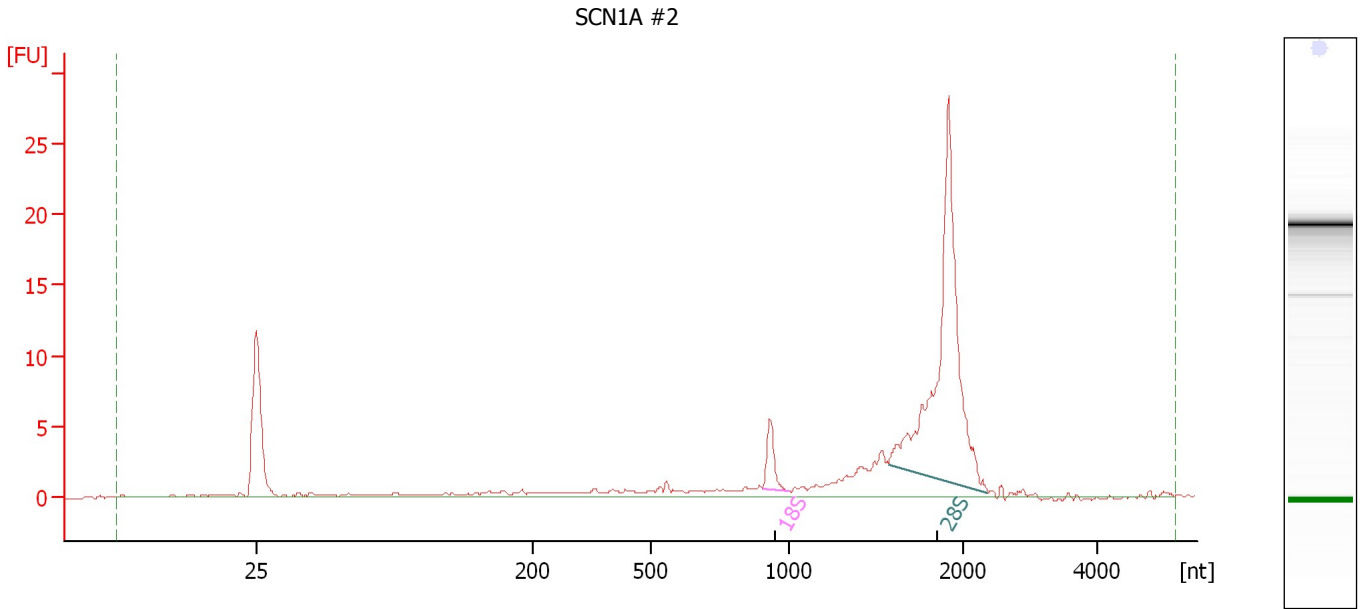
**Fragment table for sample 1 : SCN1A #1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	903	996	2.2	2.8
28S	1,768	2,240	19.7	24.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : SCN1A #2**

RNA Area:	91.1	RNA Integrity Number (RIN):	8.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	357 ng/μl		
rRNA Ratio [28s / 18s]:	13.1	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 8.10

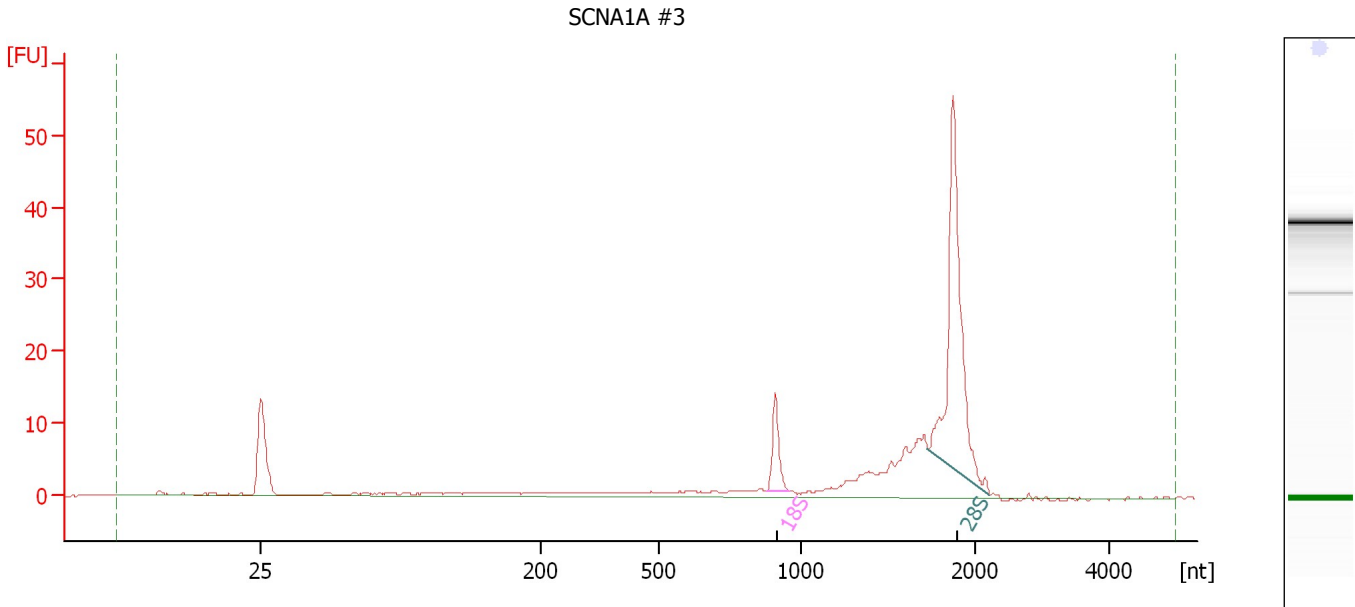
**Fragment table for sample 2 : SCN1A #2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	901	997	3.6	3.9
28S	1,570	2,376	47.2	51.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : SCNA1A #3**

RNA Area:	151.9	RNA Integrity Number (RIN):	8.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	596 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]:	6.3	Result Flagging Label:	RIN: 8.40

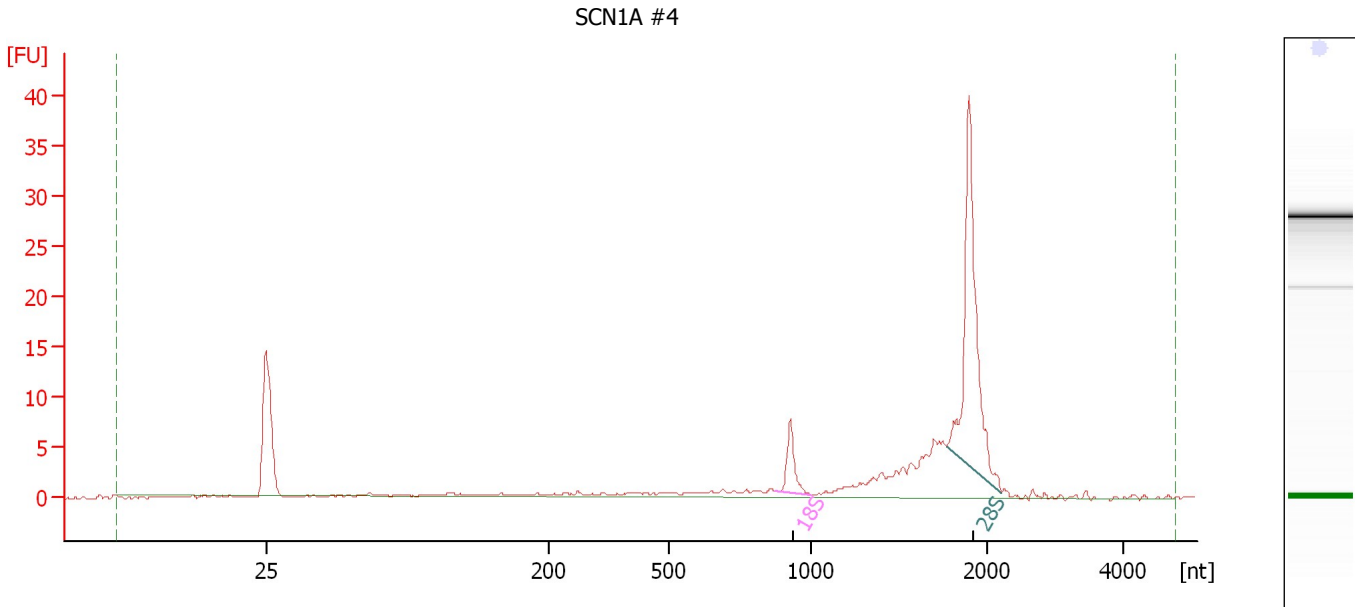
**Fragment table for sample 3 : SCNA1A #3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	884	960	9.3	6.1
28S	1,731	2,224	58.9	38.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : SCN1A #4**

RNA Area: 95.7                      RNA Integrity Number (RIN): 8.1 (B.02.08, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 375 ng/μl  
rRNA Ratio [28s / 18s]: 7.0  
Result Flagging Color:   
Result Flagging Label: RIN: 8.10

**Fragment table for sample 4 : SCN1A #4**

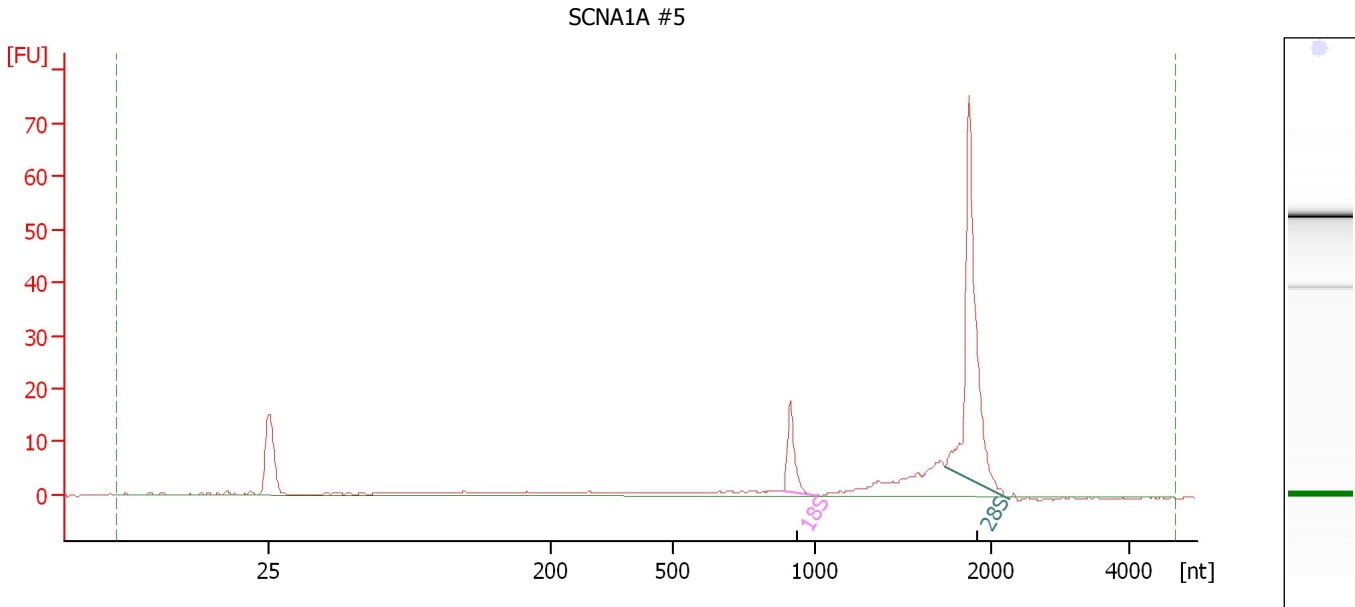
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	874	1,004	5.5	5.7
28S	1,768	2,216	38.4	40.1



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
 Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : SCNA1A #5**

RNA Area:	172.7	RNA Integrity Number (RIN):	8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	678 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]:	5.5	Result Flagging Label:	RIN: 8.20

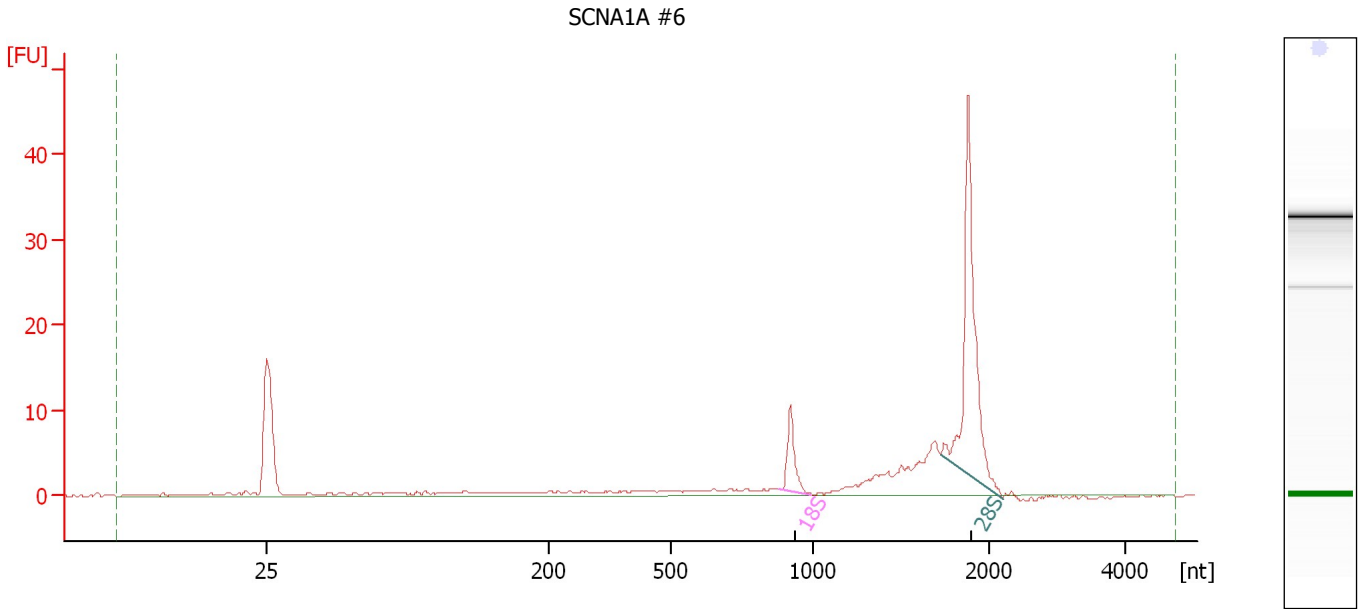
**Fragment table for sample 5 : SCNA1A #5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	995	12.4	7.2
28S	1,735	2,238	67.8	39.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : SCNA1A #6**

RNA Area:	115.4	RNA Integrity Number (RIN):	8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	453 ng/μl		
rRNA Ratio [28s / 18s]:	5.8	Result Flagging Color:	<span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px; background-color: #ccccff;"></span>
		Result Flagging Label:	RIN: 8.20

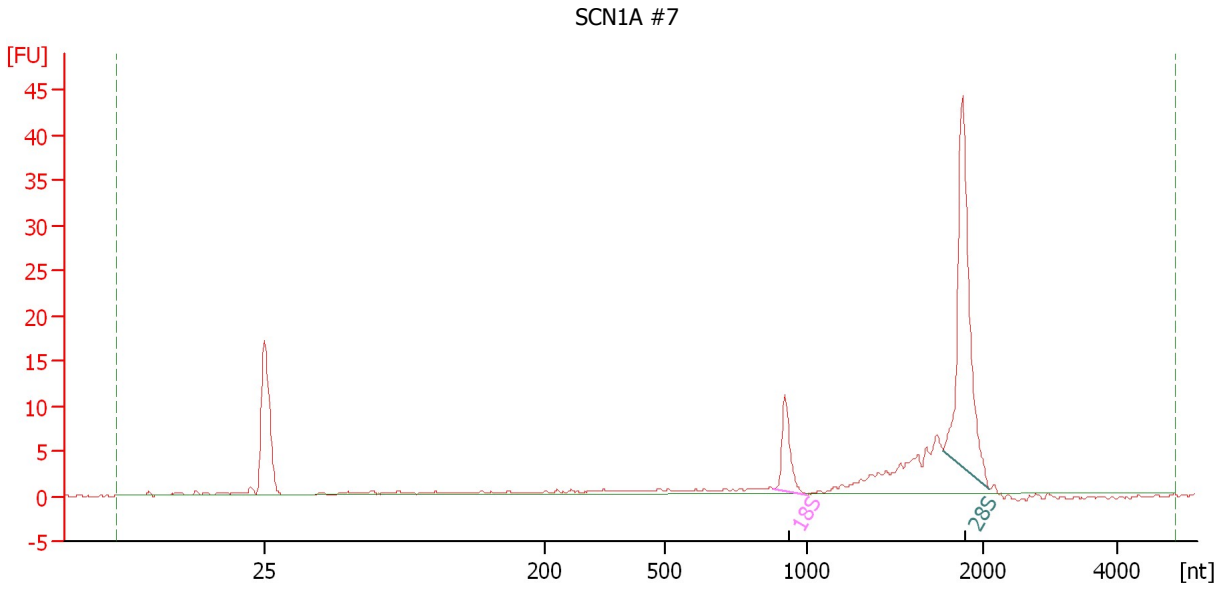
**Fragment table for sample 6 : SCNA1A #6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	878	995	7.2	6.3
28S	1,724	2,196	41.7	36.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
 Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : SCN1A #7**

RNA Area:	111.9	RNA Integrity Number (RIN):	8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	439 ng/μl		
rRNA Ratio [28s / 18s]:	4.9	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 8.30

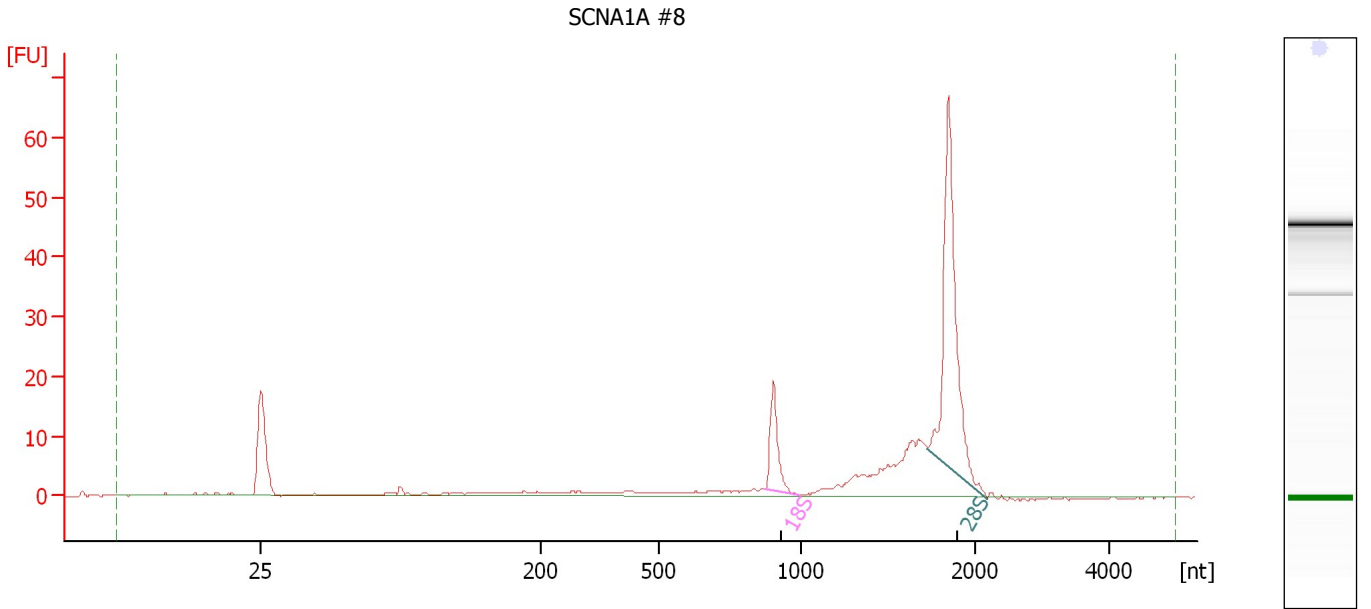
**Fragment table for sample 7 : SCN1A #7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	881	998	8.7	7.7
28S	1,783	2,100	42.2	37.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : SCNA1A #8**

RNA Area: 179.2                      RNA Integrity Number (RIN): 8.4 (B.02.08, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 703 ng/μl  
rRNA Ratio [28s / 18s]: 4.6  
Result Flagging Color:   
Result Flagging Label: RIN: 8.40

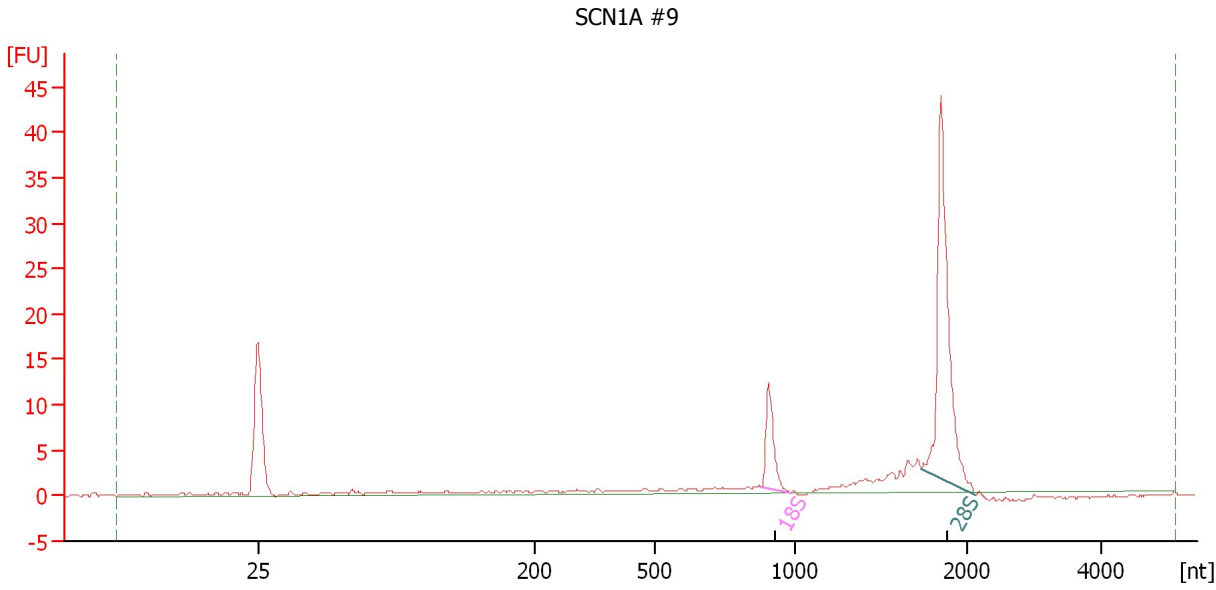
**Fragment table for sample 8 : SCNA1A #8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	876	994	14.3	8.0
28S	1,731	2,192	65.6	36.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : SCN1A #9**

RNA Area:	92.7	RNA Integrity Number (RIN):	8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	364 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]:	4.5	Result Flagging Label:	RIN: 8.30

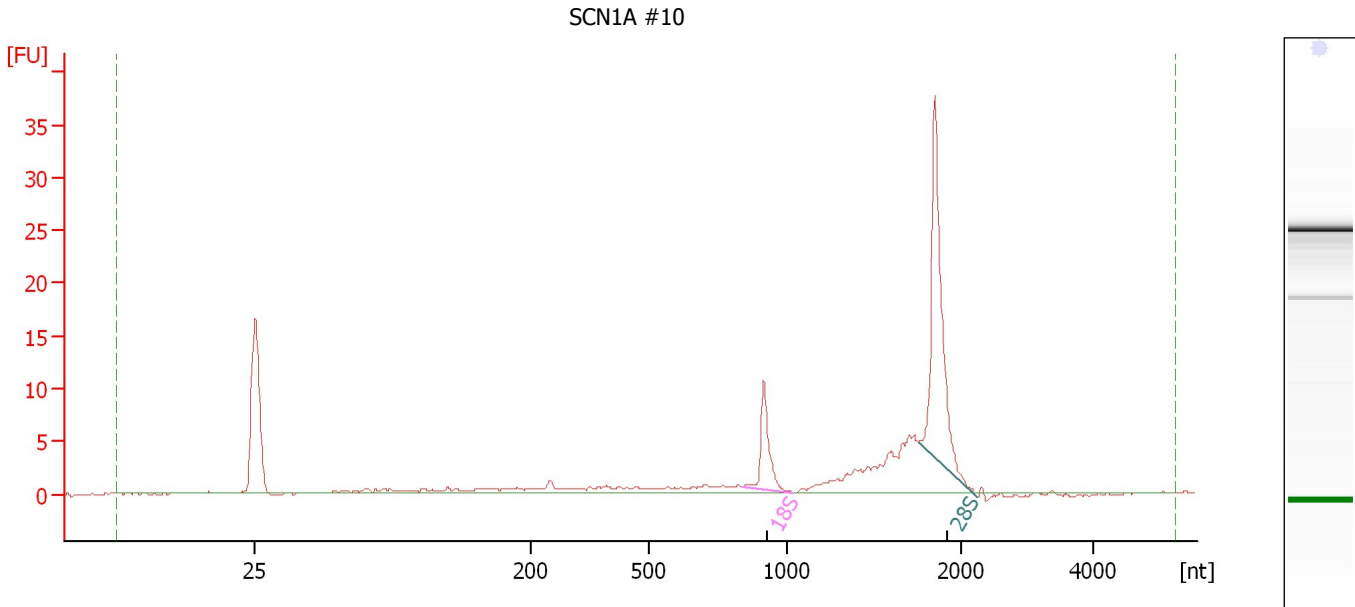
**Fragment table for sample 9 : SCN1A #9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	883	986	9.0	9.7
28S	1,735	2,111	41.0	44.2

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
 Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : SCN1A #10**

RNA Area:	96.2	RNA Integrity Number (RIN):	8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	378 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]:	3.6	Result Flagging Label:	RIN: 8.30

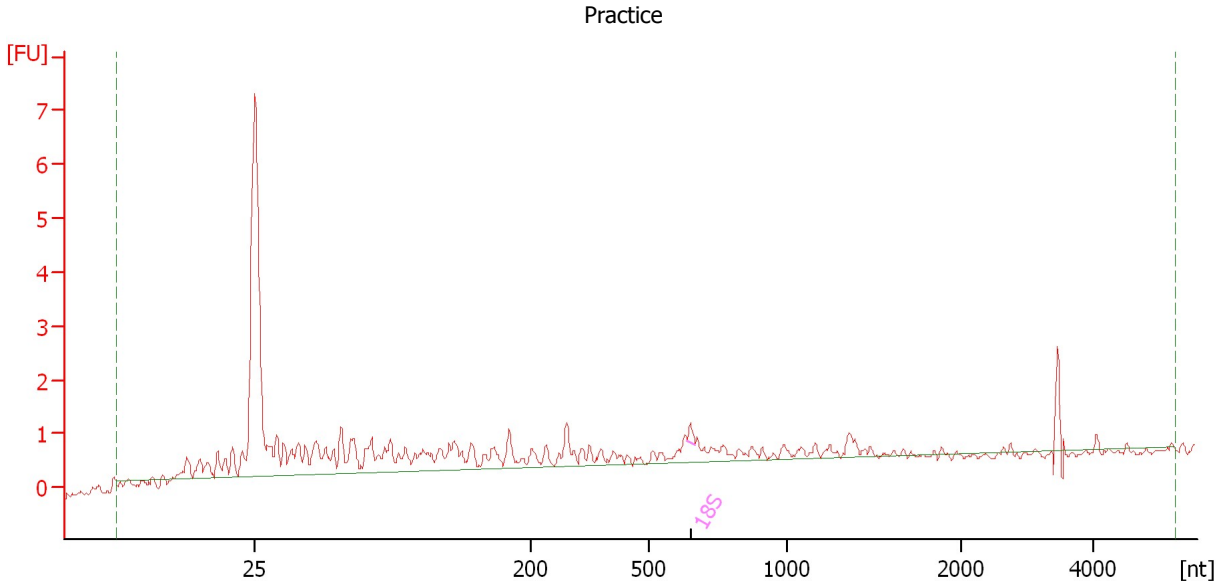
**Fragment table for sample 10 : SCN1A #10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	839	1,032	9.1	9.5
28S	1,757	2,253	32.7	33.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Practice**

RNA Area:	23.6	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	93 ng/μl	Result Flagging Color:	<span style="border: 1px solid gray; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

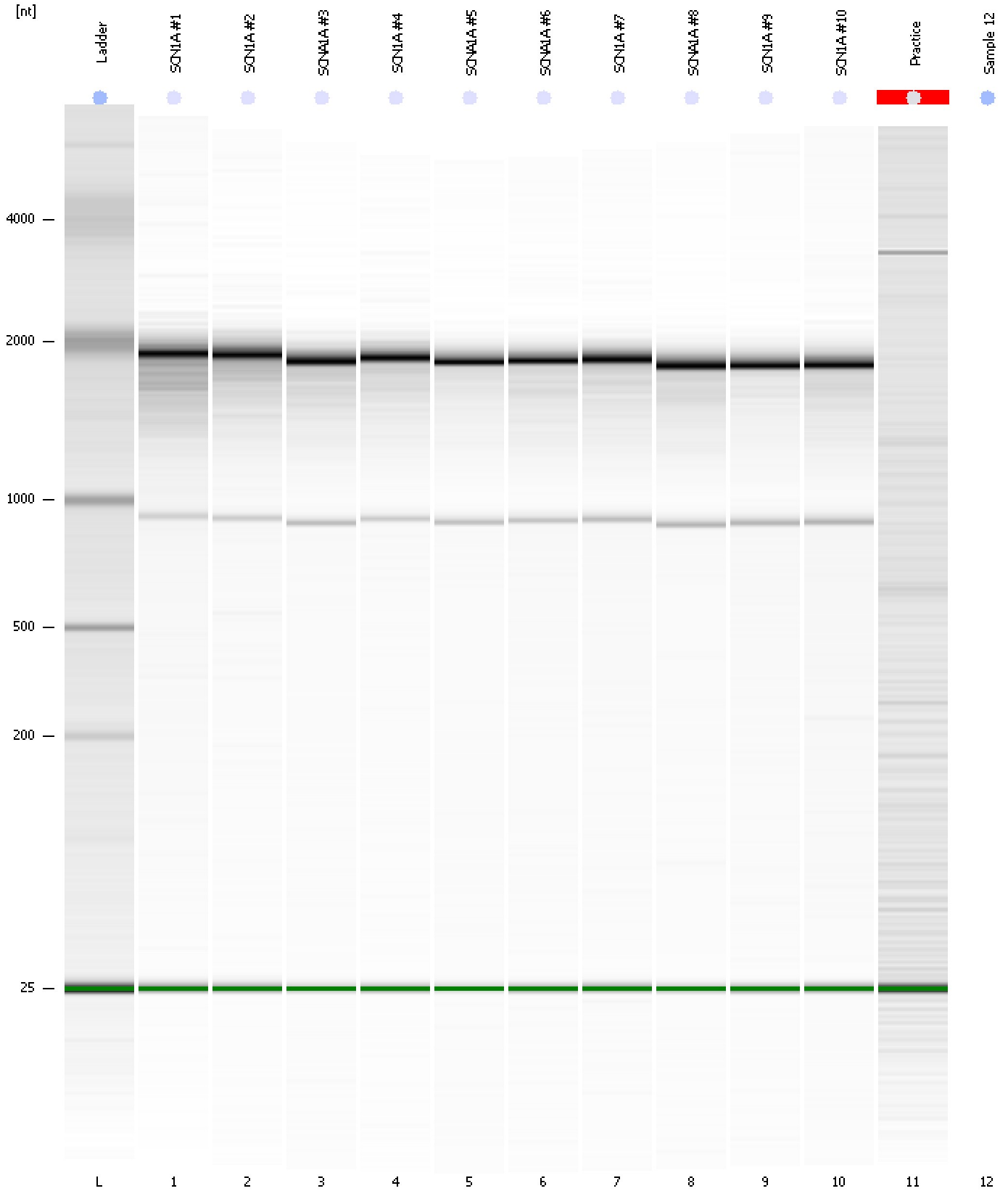
**Fragment table for sample 11 : Practice**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	639	666	0.1	0.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Gel Image**





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Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_003.xad

Created: 5/5/2015 3:38:36 PM  
Modified: 5/5/2015 4:12:13 PM

**Invalid Samples**

Sample 12 has not been run, no results available.