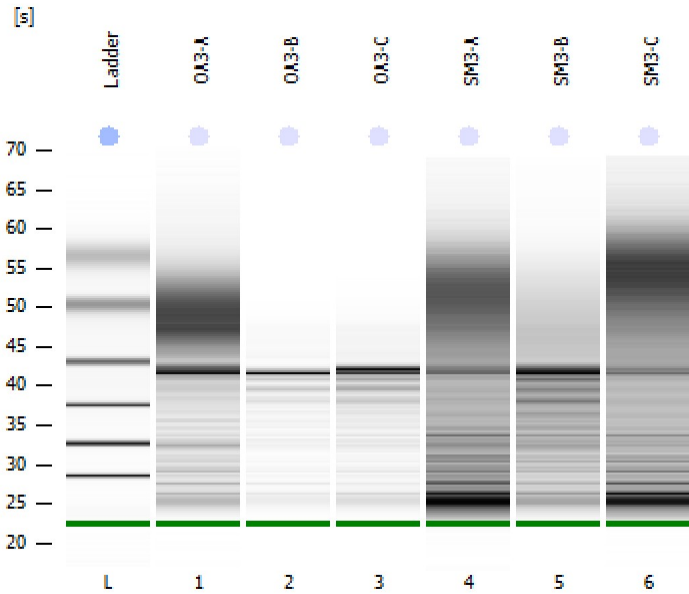


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
Modified: 12/4/2019 4:45:06 PM

**Electrophoresis File Run Summary**



Instrument Information:

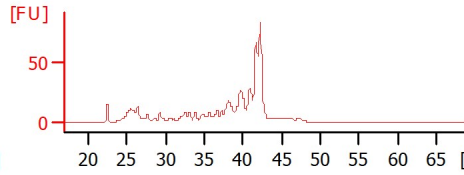
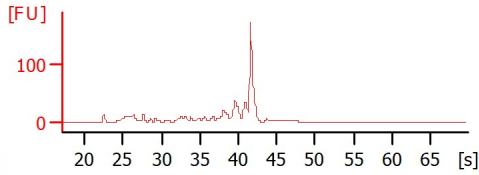
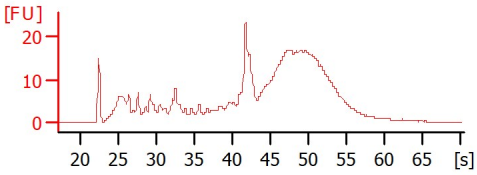
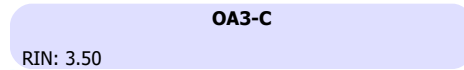
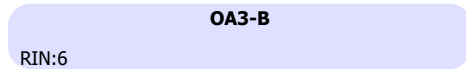
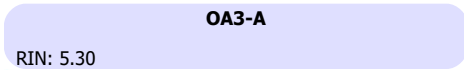
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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)  
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
OA3-A		✓	RIN: 5.30	
OA3-B		✓	RIN:6	
OA3-C		✓	RIN: 3.50	
SM3-A		✓	RIN: 2.80	
SM3-B		✓	RIN: 3.80	
SM3-C		✓	RIN: 2.80	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 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

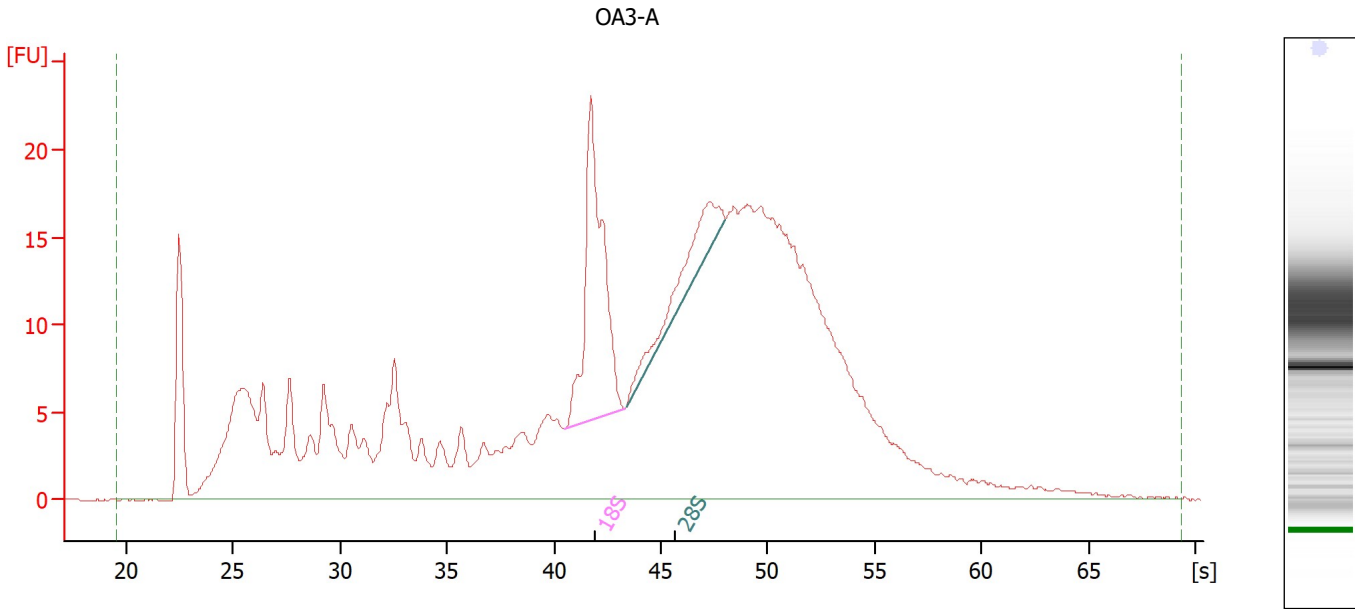
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 PM

**Electropherogram Summary**



**Overall Results for sample 1 : OA3-A**

RNA Area:	585.0	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	339 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]:	0.3	Result Flagging Label:	RIN: 5.30

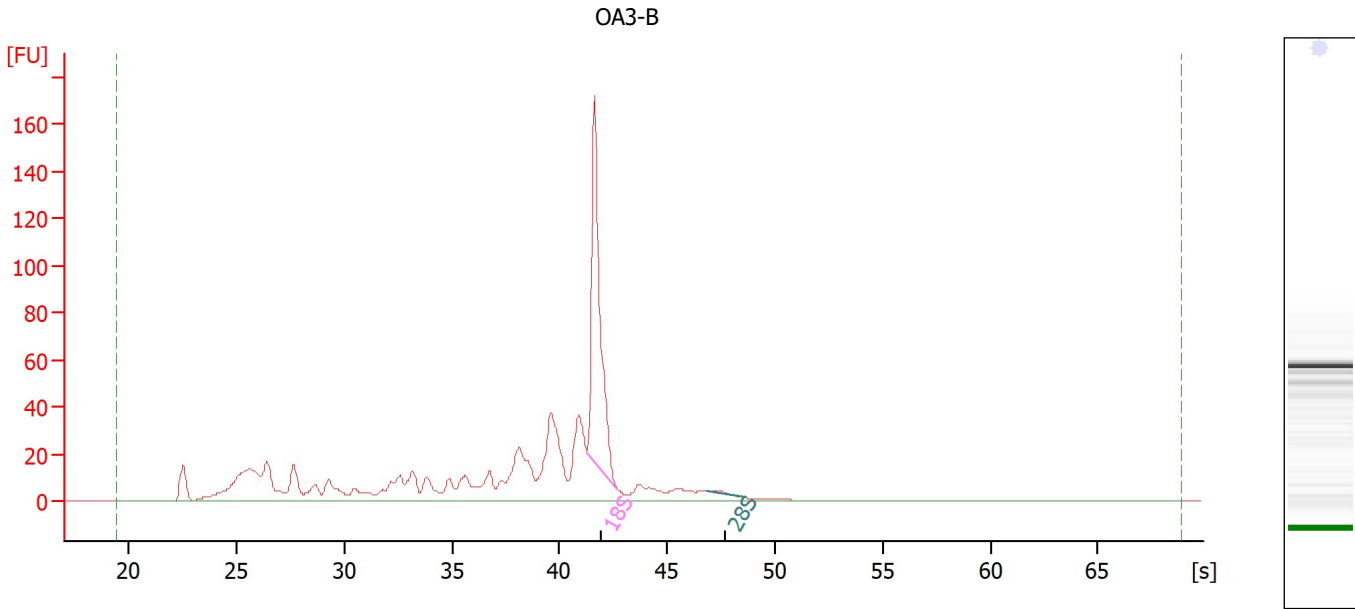
**Fragment table for sample 1 : OA3-A**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.48	43.29	40.8	7.0
28S	43.39	48.01	14.2	2.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : OA3-B**

RNA Area:	783.8	RNA Integrity Number (RIN):	6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	454 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:6

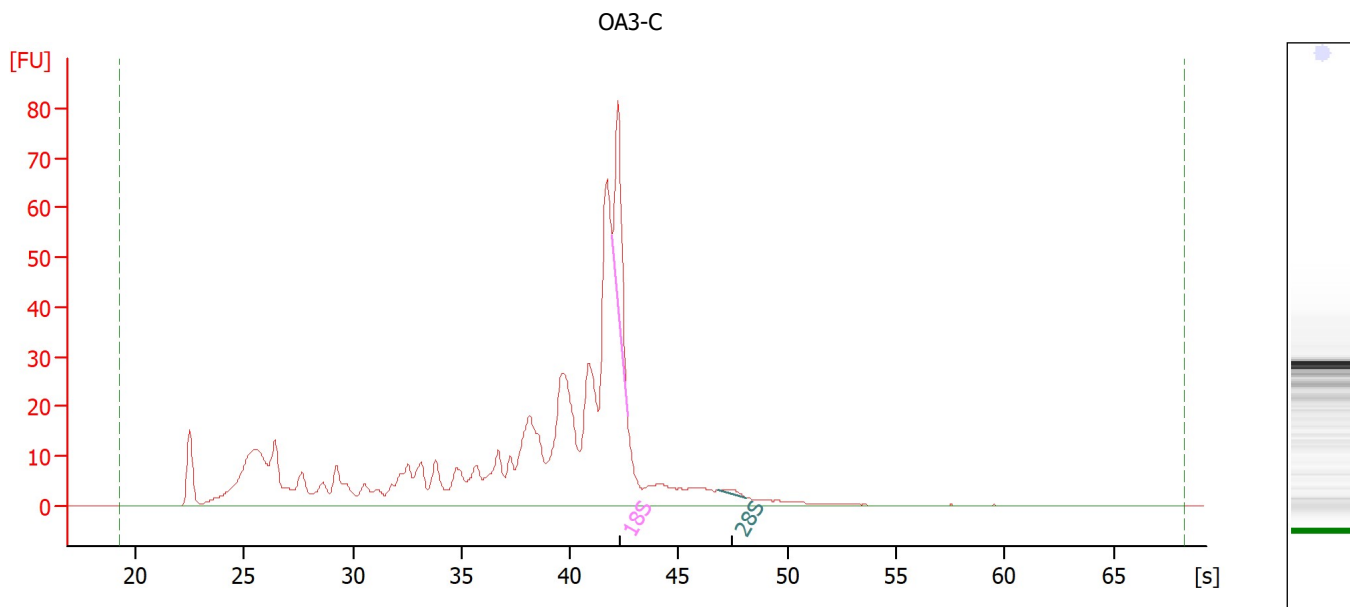
**Fragment table for sample 2 : OA3-B**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.31	42.71	167.4	21.4
28S	46.85	48.59	1.9	0.2

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : OA3-C**

RNA Area:	651.3	RNA Integrity Number (RIN):	3.5 (B.02.10)
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]:	0.0	Result Flagging Label:	RIN: 3.50

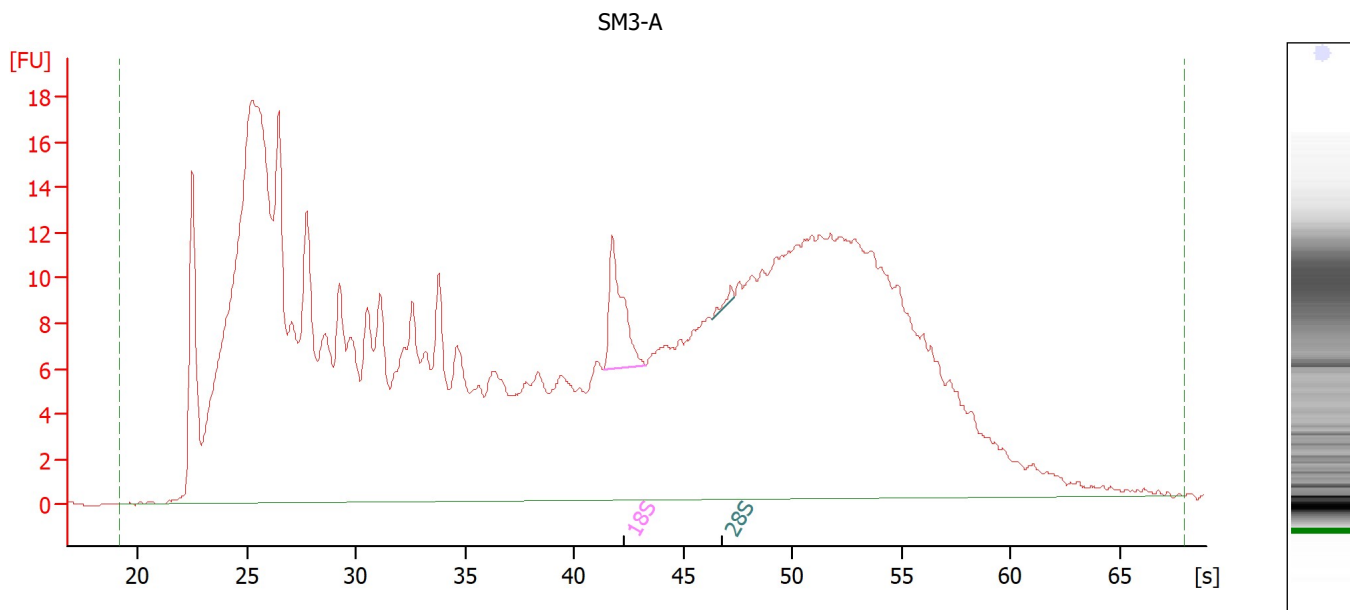
**Fragment table for sample 3 : OA3-C**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.93	42.63	31.5	4.8
28S	46.83	48.12	1.3	0.2

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : SM3-A**

RNA Area:	763.6	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	443 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: 2.80

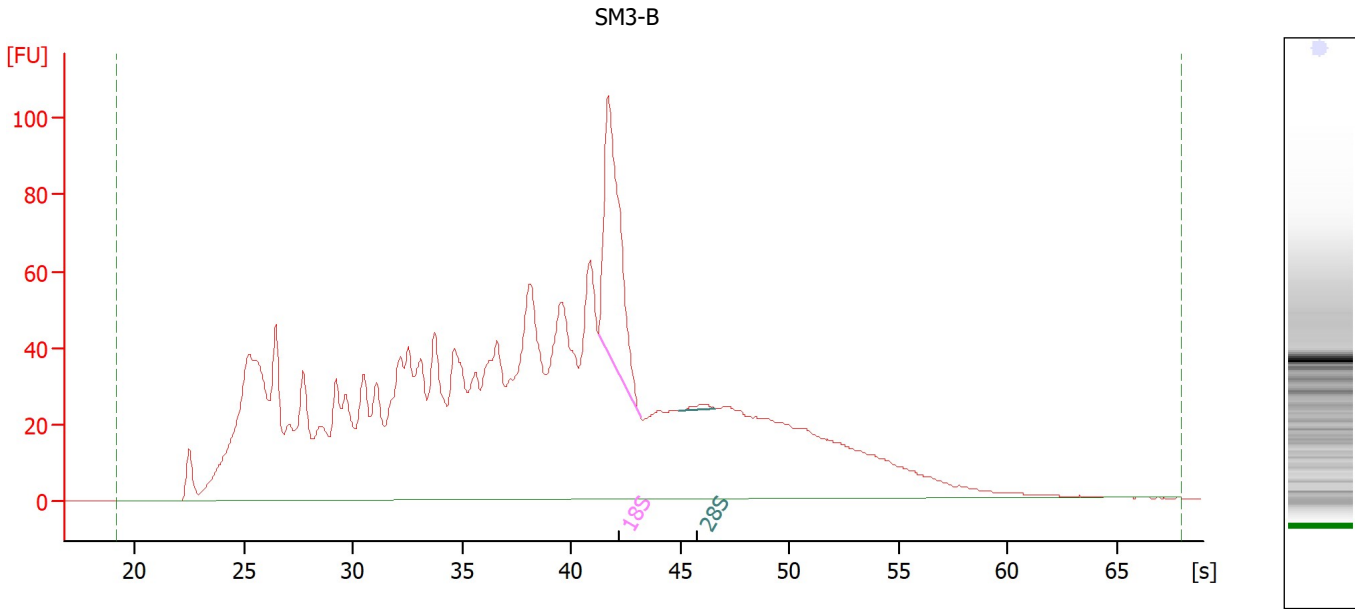
**Fragment table for sample 4 : SM3-A**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.36	43.33	10.0	1.3
28S	46.33	47.36	0.6	0.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : SM3-B**

RNA Area:	2,481.8	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	1,439 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: 3.80

**Fragment table for sample 5 : SM3-B**

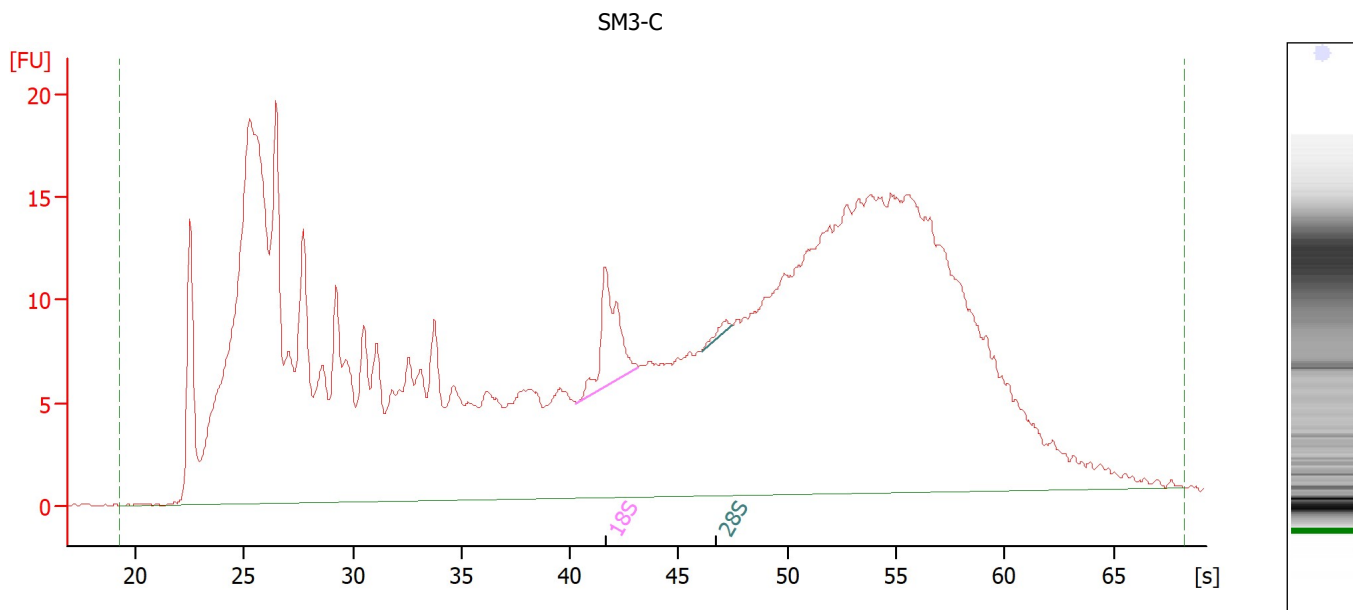
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.26	43.18	137.7	5.5
28S	44.90	46.62	2.7	0.1



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
 Modified: 12/4/2019 4:45:06 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : SM3-C**

RNA Area:	810.7	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	470 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: 2.80

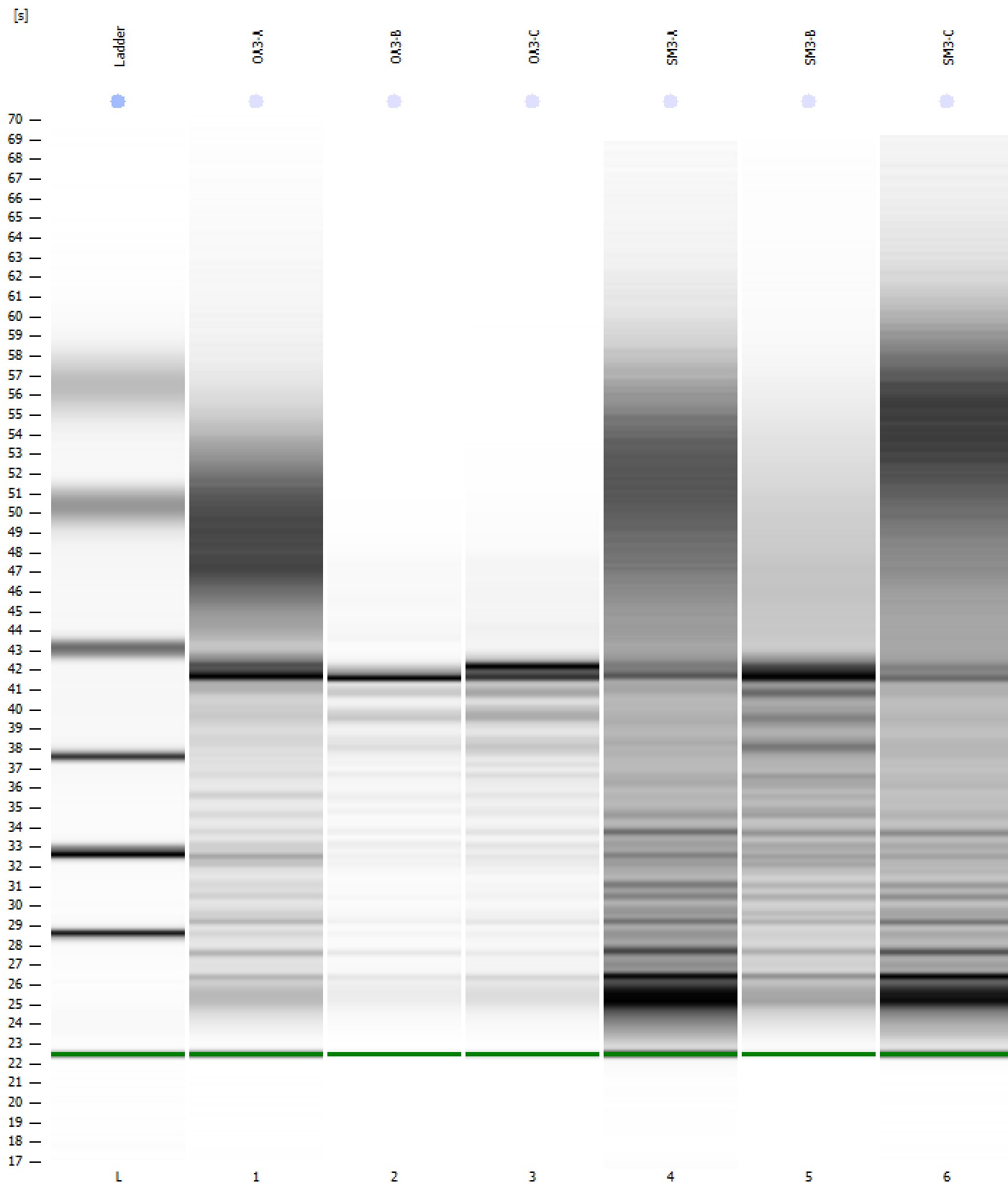
**Fragment table for sample 6 : SM3-C**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.30	43.12	11.9	1.5
28S	46.04	47.47	0.8	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
Modified: 12/4/2019 4:45:06 PM

Gel Image

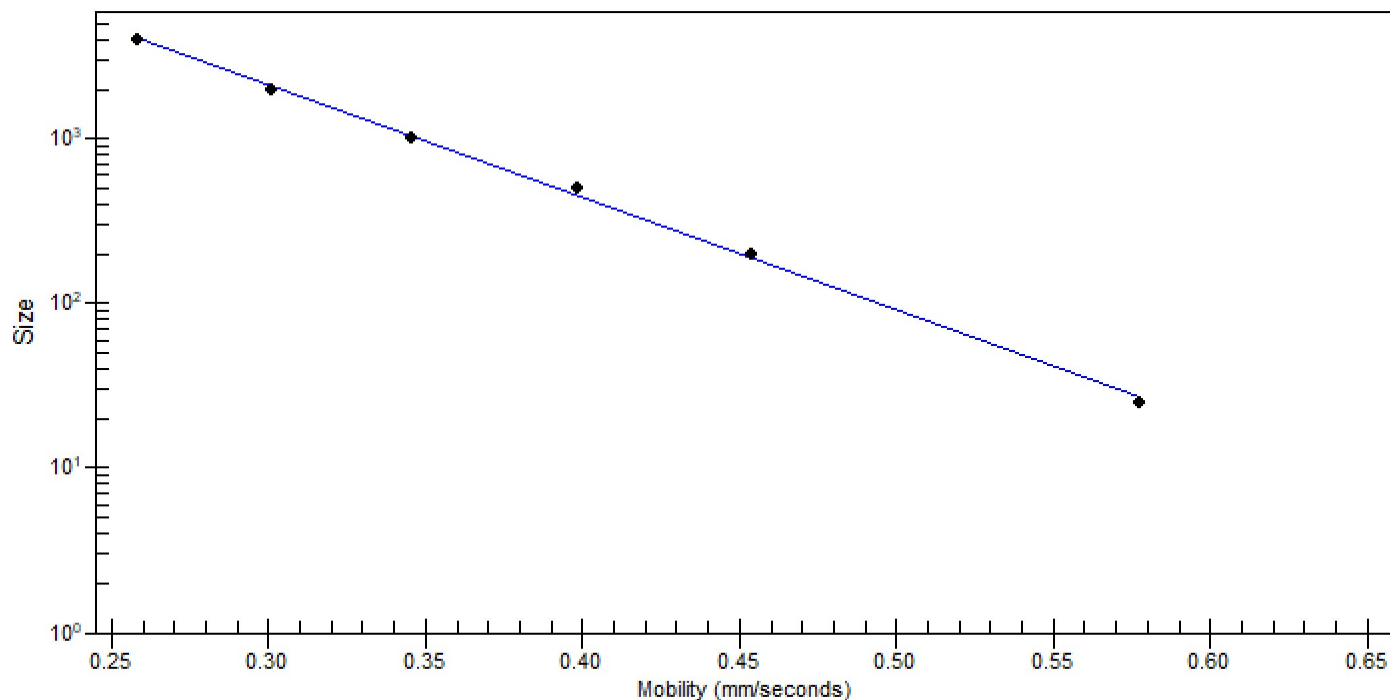


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad

Created: 12/4/2019 3:44:05 PM  
Modified: 12/4/2019 4:45:06 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano Created: 12/4/2019 3:44:05 PM  
 Data Path: Z:\...r1\_Eukaryote Total RNA Nano\_2019-12-04\_Gold\_Banks\_25-30.xad Modified: 12/4/2019 4:45:06 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		12/4/2019 4:07:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-04\Bioanalyze r1_Eukaryote Total RNA Nano_2019-12-04_003.xad)		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB