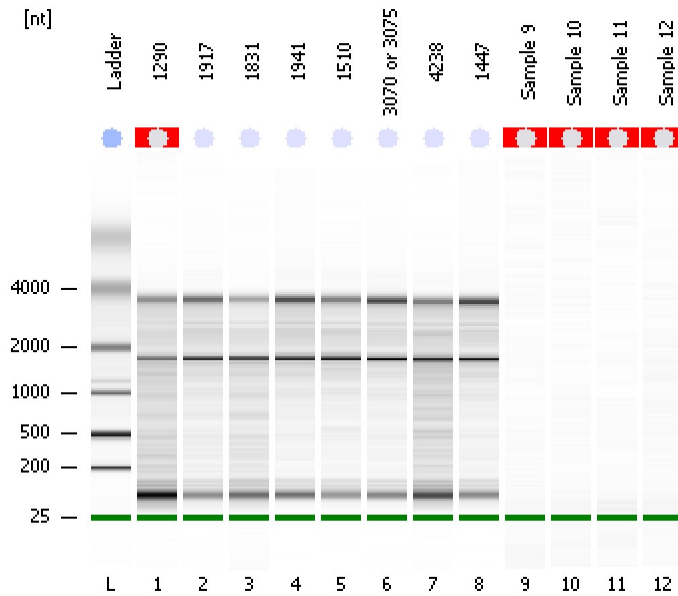


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

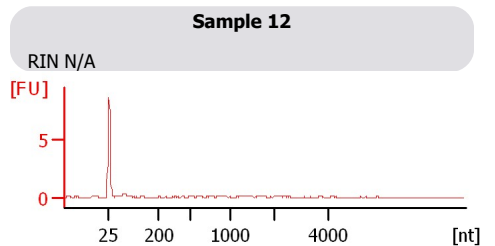
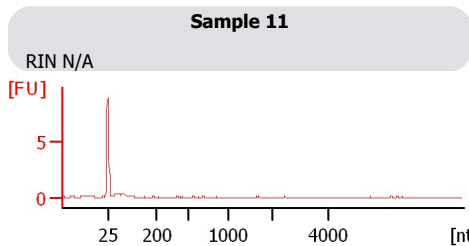
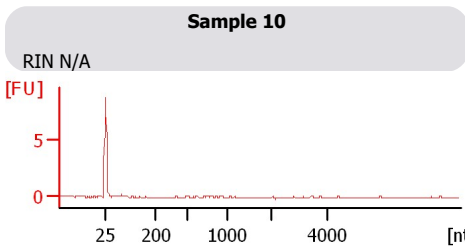
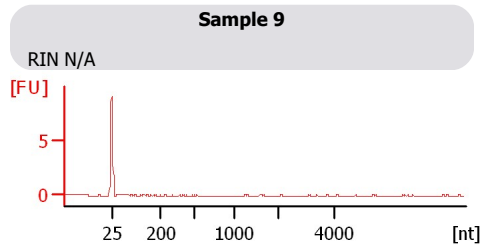
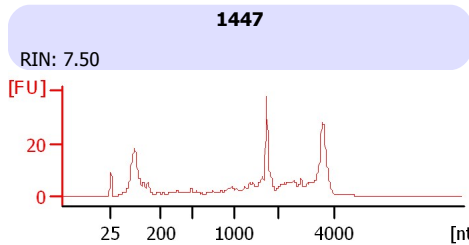
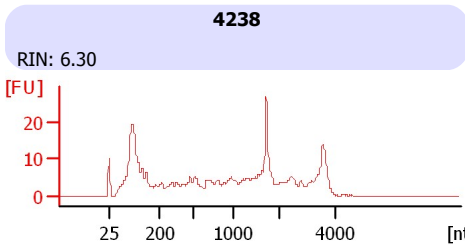
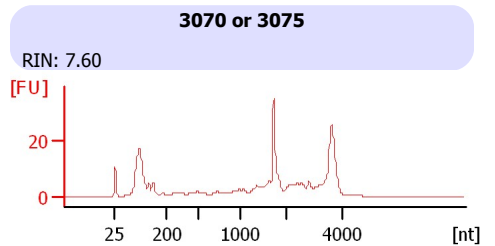
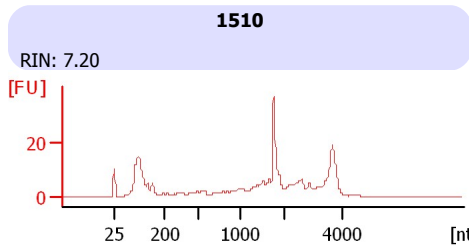
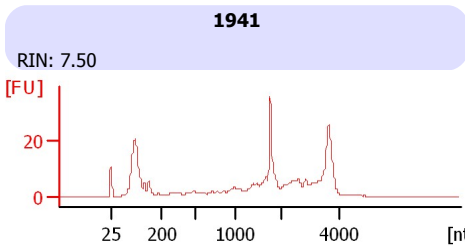
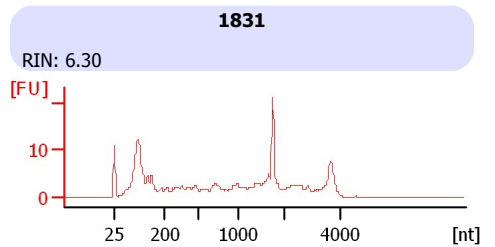
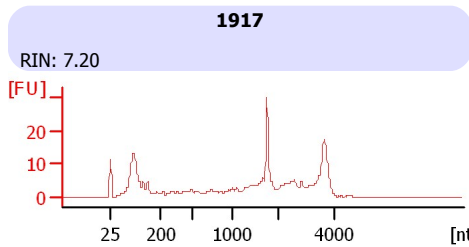
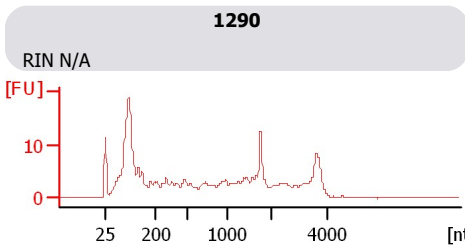
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

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:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1290		✓	RIN N/A	
1917		✓	RIN: 7.20	
1831		✓	RIN: 6.30	
1941		✓	RIN: 7.50	
1510		✓	RIN: 7.20	
3070 or 3075		✓	RIN: 7.60	
4238		✓	RIN: 6.30	
1447		✓	RIN: 7.50	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 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

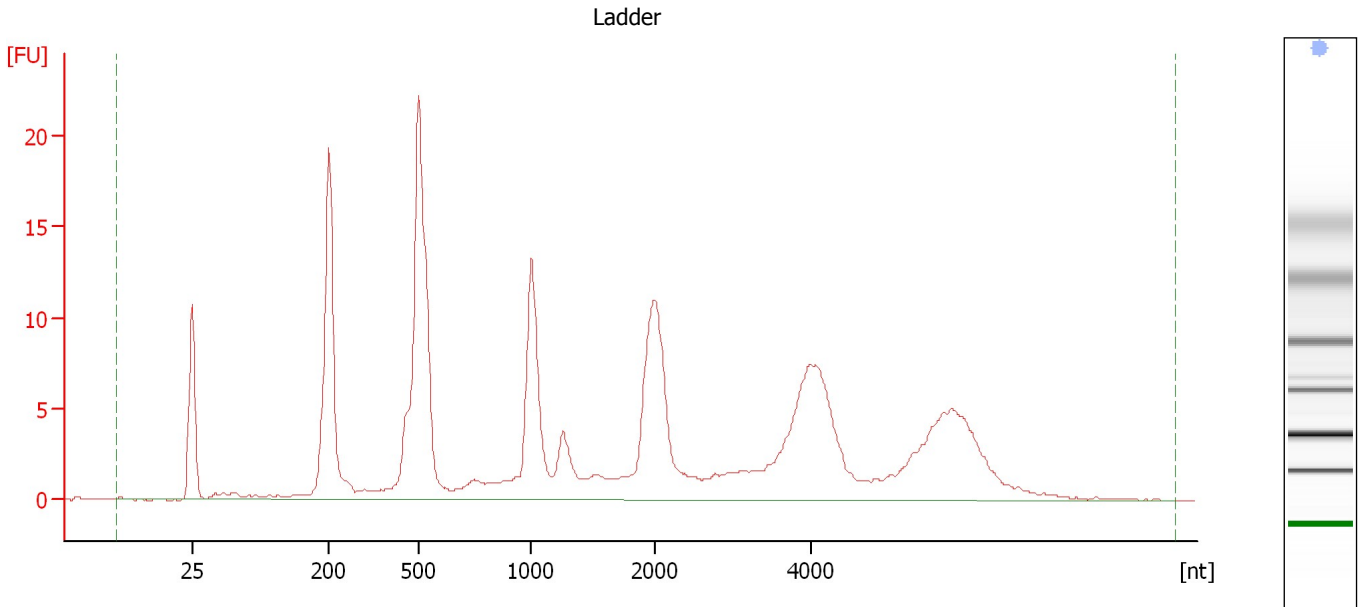
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Electropherogram Summary



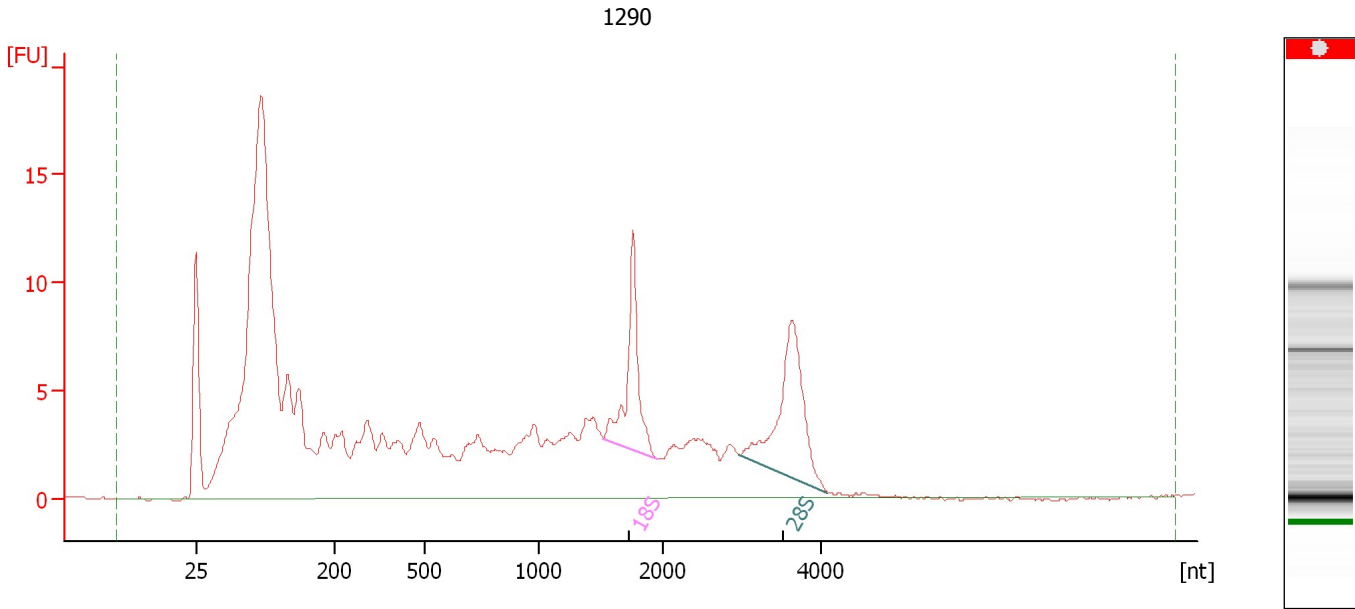
Overall Results for Ladder

RNA Area:	241.3	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 1290

RNA Area:	292.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	182 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

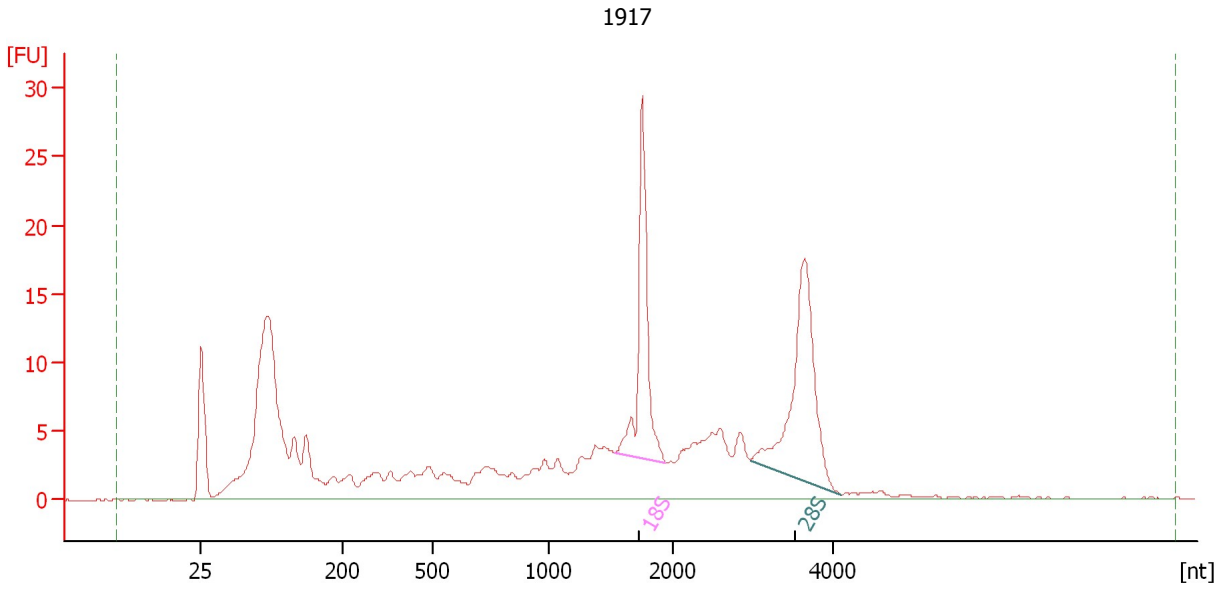
Fragment table for sample 1 : 1290

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,519	1,958	13.2	4.5
28S	2,980	4,094	18.4	6.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 1917

RNA Area:	281.5	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	175 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.20

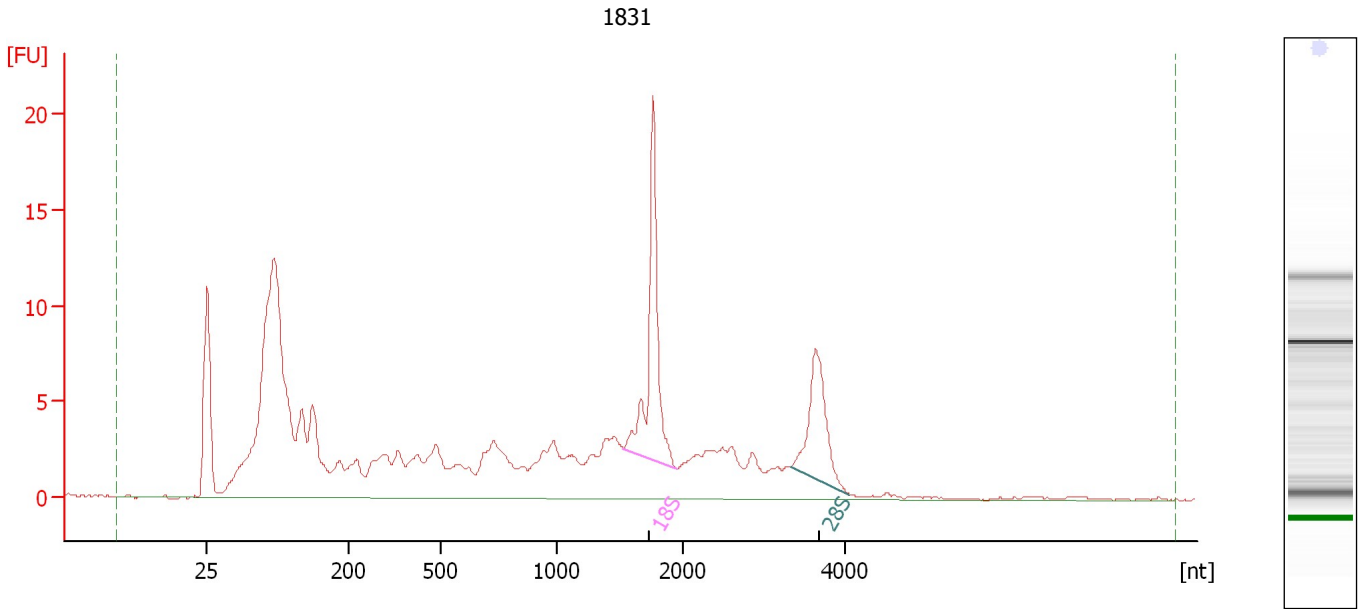
Fragment table for sample 2 : 1917

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,936	27.1	9.6
28S	2,974	4,103	36.1	12.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 1831

RNA Area: 229.7 RNA Integrity Number (RIN): 6.3 (B.02.08)
RNA Concentration: 143 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 6.30

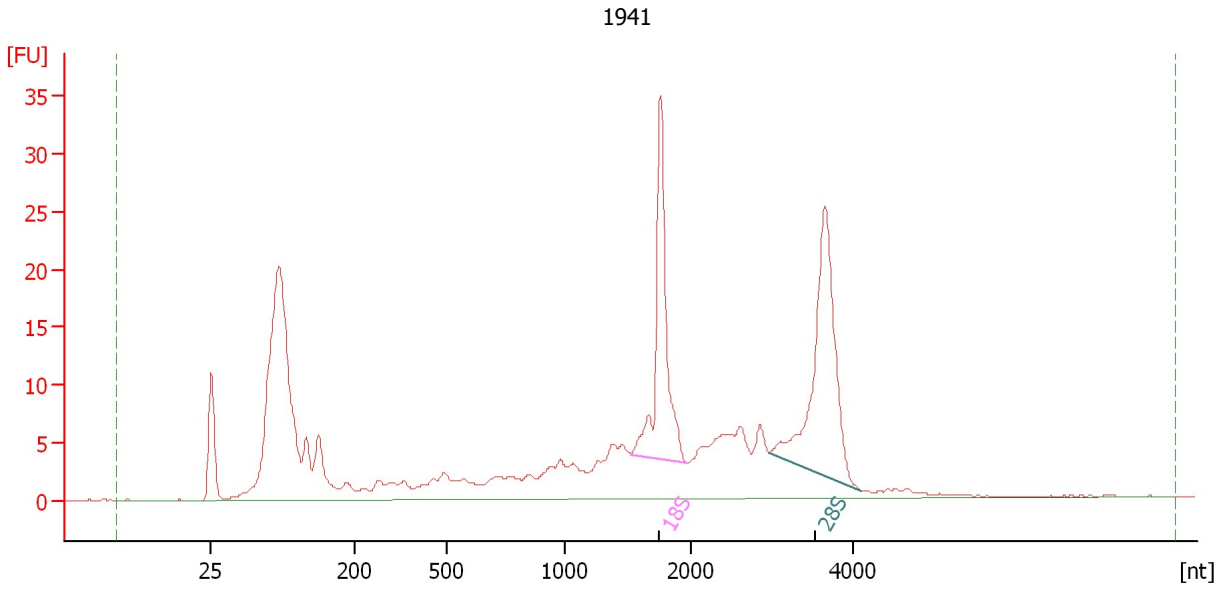
Fragment table for sample 3 : 1831

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,947	20.5	8.9
28S	3,327	4,071	11.9	5.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
 Modified: 3/7/2019 3:08:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1941

RNA Area:	346.3	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	215 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.50

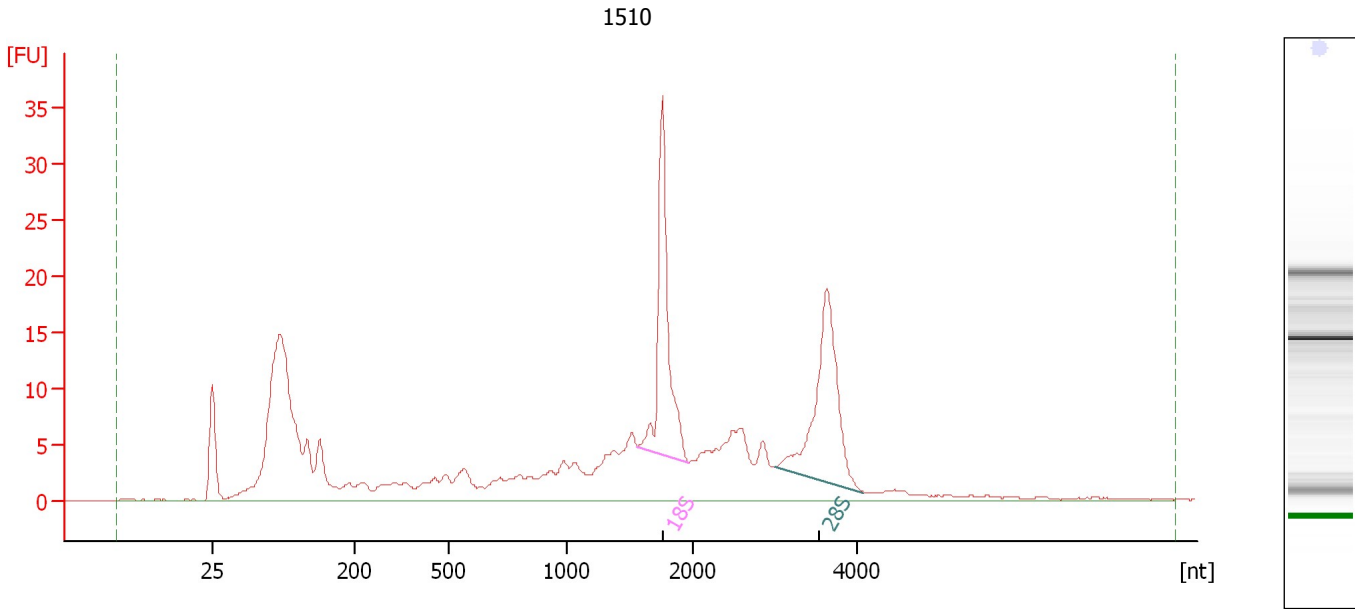
Fragment table for sample 4 : 1941

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,958	36.8	10.6
28S	2,963	4,096	49.7	14.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
 Modified: 3/7/2019 3:08:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1510

RNA Area:	327.7	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	204 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.20

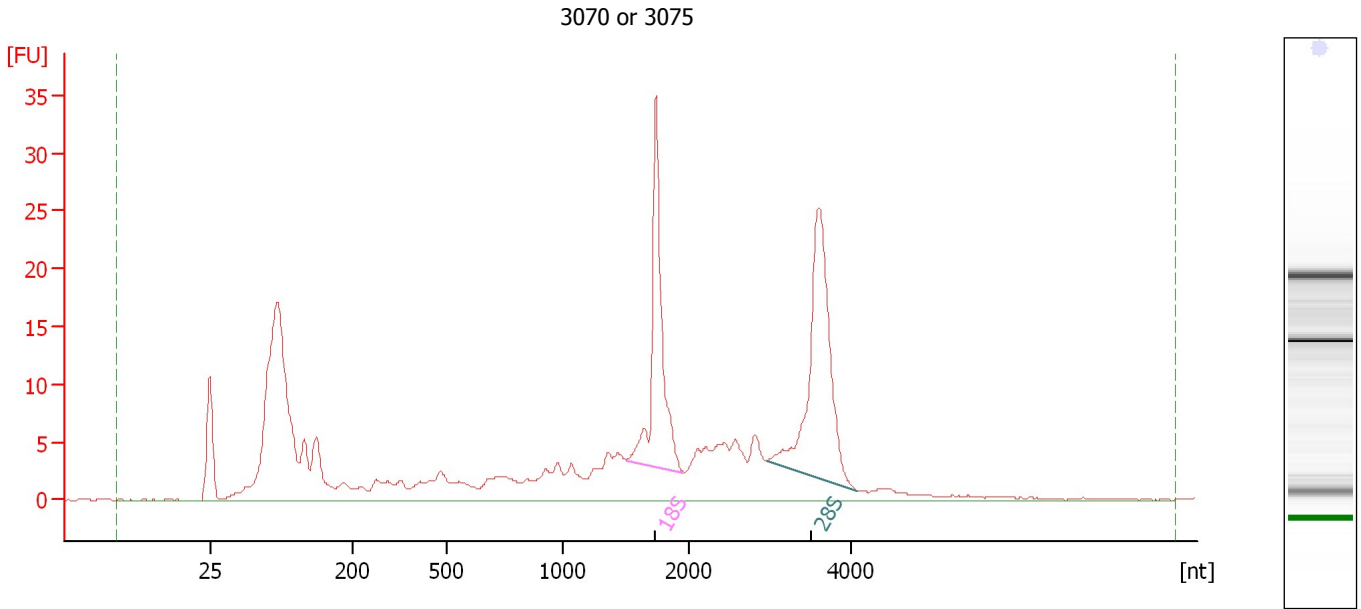
Fragment table for sample 5 : 1510

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,959	35.4	10.8
28S	3,001	4,093	37.7	11.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 3070 or 3075

RNA Area: 326.0 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 203 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 7.60

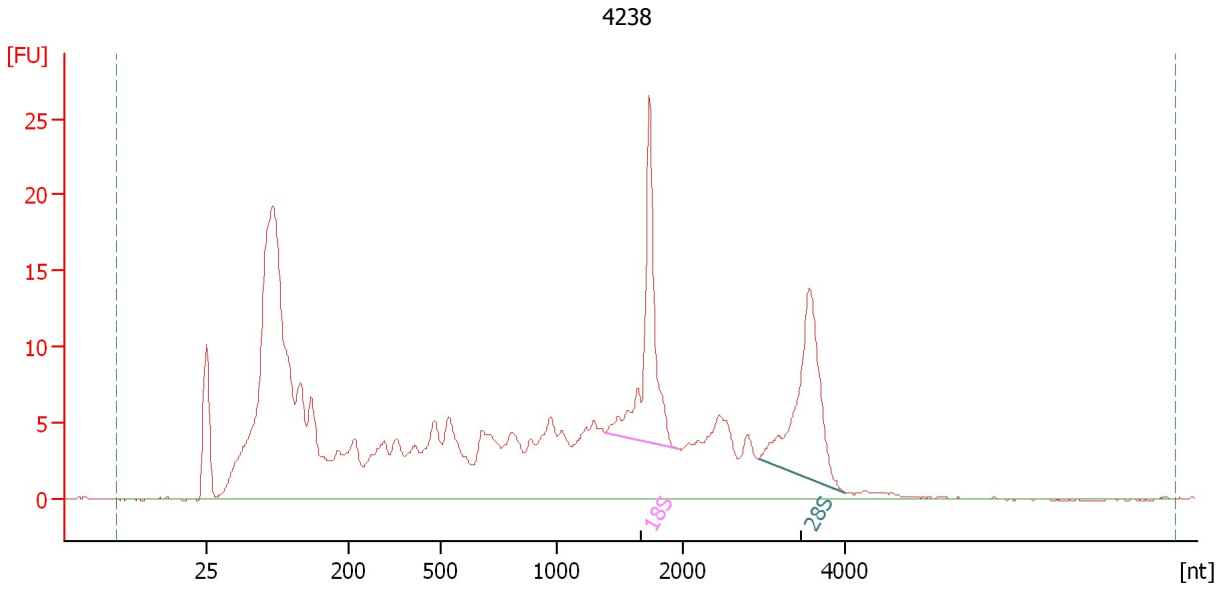
Fragment table for sample 6 : 3070 or 3075

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,949	36.9	11.3
28S	2,951	4,060	48.9	15.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 4238

RNA Area:	399.9	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	249 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.30

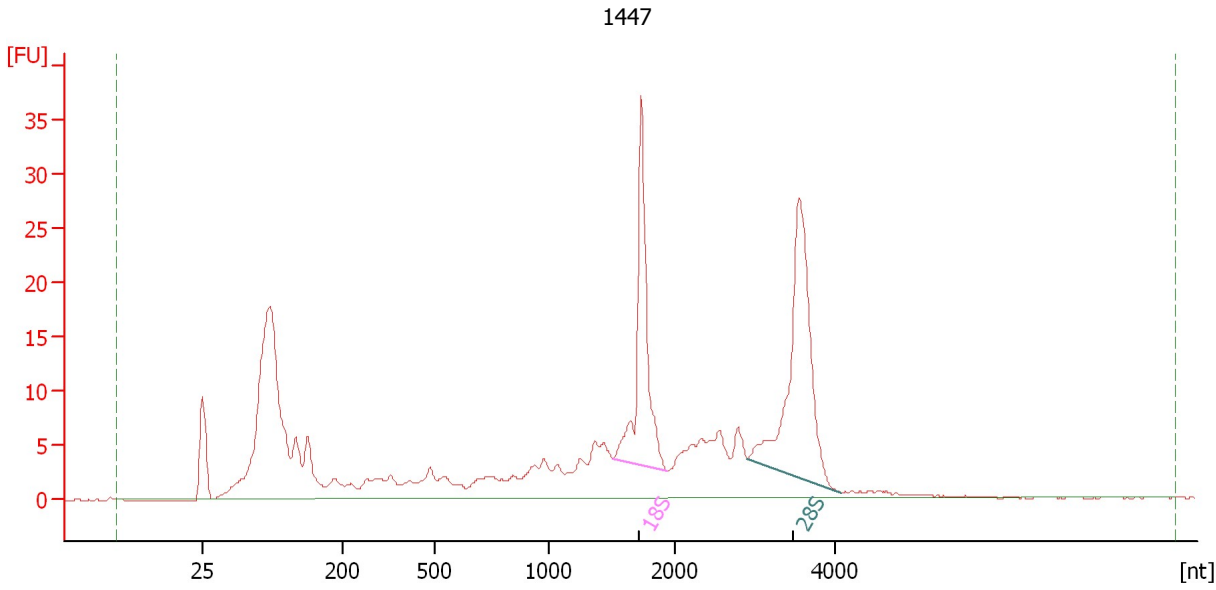
Fragment table for sample 7 : 4238

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,382	1,964	29.5	7.4
28S	2,928	4,018	30.1	7.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 1447

RNA Area:	349.1	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	217 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.50

Fragment table for sample 8 : 1447

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,936	39.1	11.2
28S	2,906	4,072	55.6	15.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-07\2019-03-07_005.xad

Created: 3/7/2019 2:45:06 PM
Modified: 3/7/2019 3:08:58 PM

Gel Image

