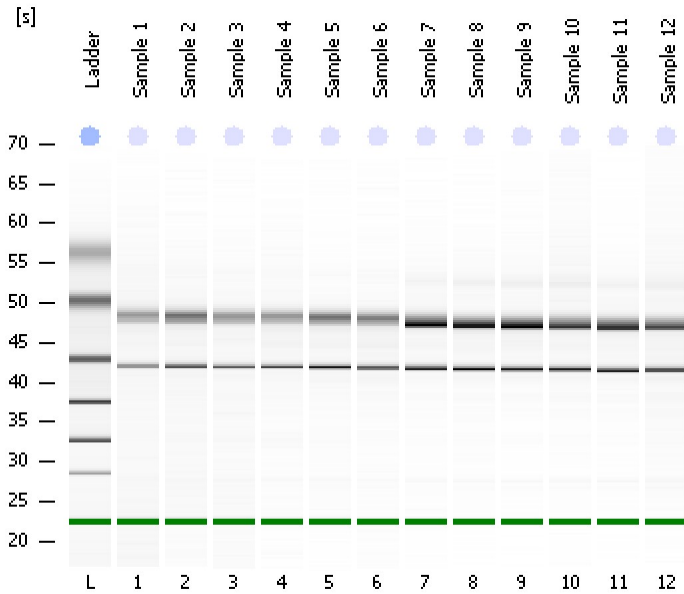


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Electrophoresis File Run Summary



Instrument Information:

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

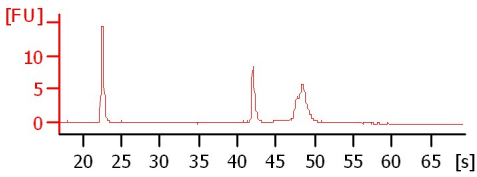
Assay Information:

Assay Origin Path: C:\Program Files\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.

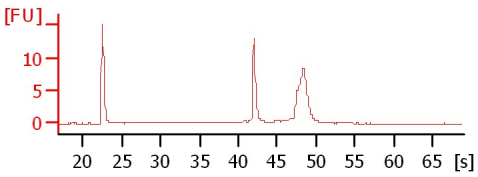
Chip Information:

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

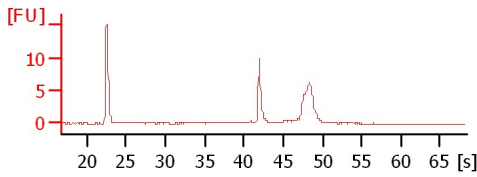
Sample 1
RIN:10



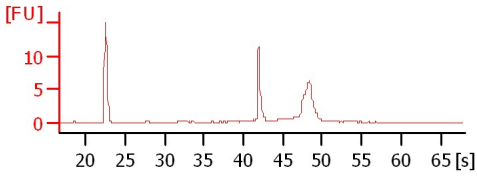
Sample 2
RIN: 9.70



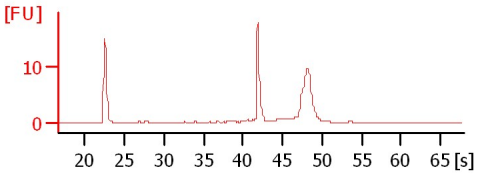
Sample 3
RIN: 9.60



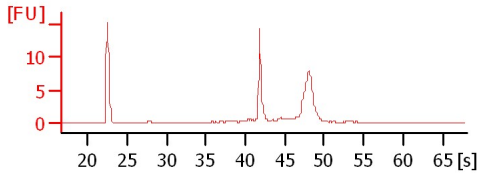
Sample 4
RIN: 9.30



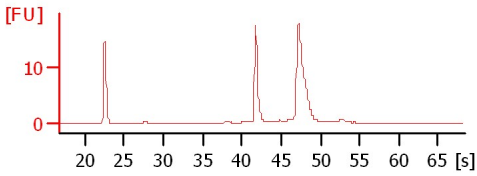
Sample 5
RIN: 9.60



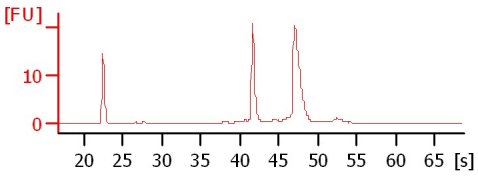
Sample 6
RIN: 9.70



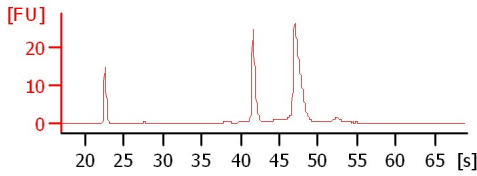
Sample 7
RIN:10



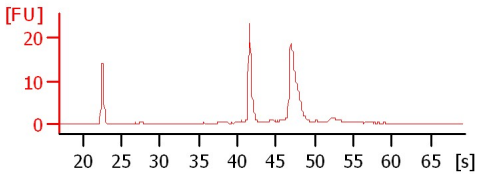
Sample 8
RIN: 9.90



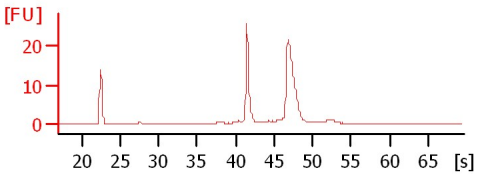
Sample 9
RIN:10



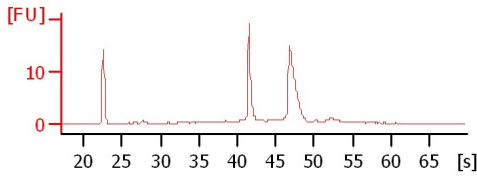
Sample 10
RIN: 9.90



Sample 11
RIN: 9.90



Sample 12
RIN: 9.50



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:10	
Sample 2		✓	RIN: 9.70	
Sample 3		✓	RIN: 9.60	
Sample 4		✓	RIN: 9.30	
Sample 5		✓	RIN: 9.60	
Sample 6		✓	RIN: 9.70	
Sample 7		✓	RIN:10	
Sample 8		✓	RIN: 9.90	
Sample 9		✓	RIN:10	
Sample 10		✓	RIN: 9.90	
Sample 11		✓	RIN: 9.90	
Sample 12		✓	RIN: 9.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ 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

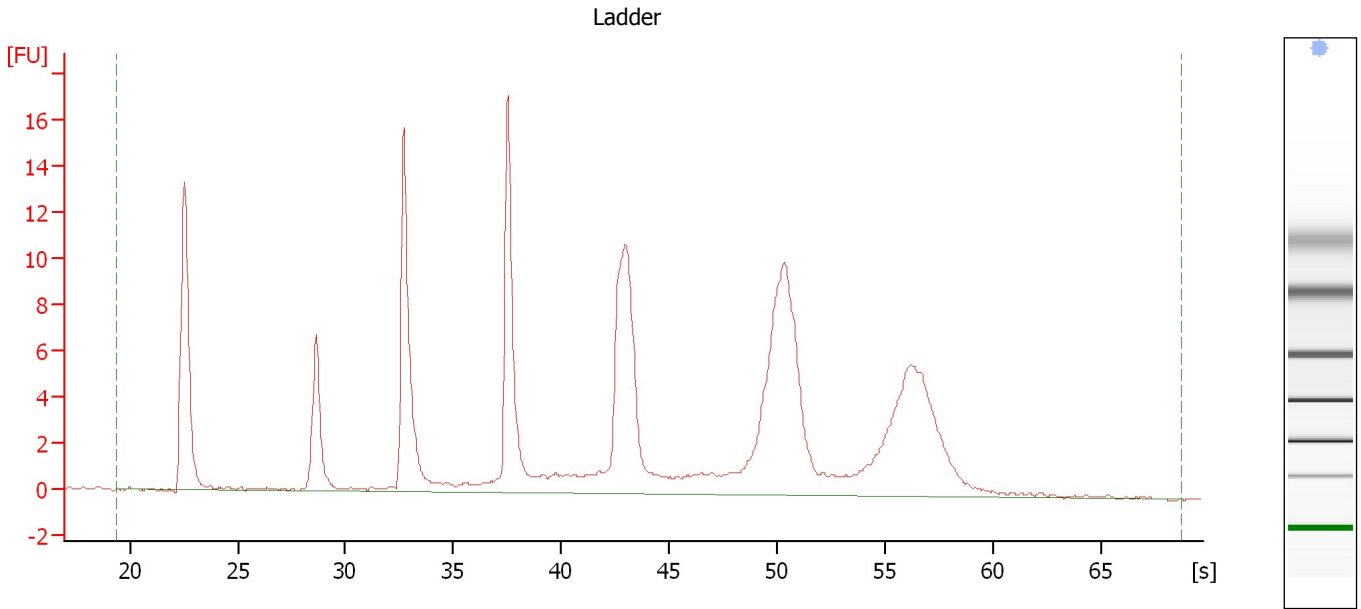
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Electropherogram Summary



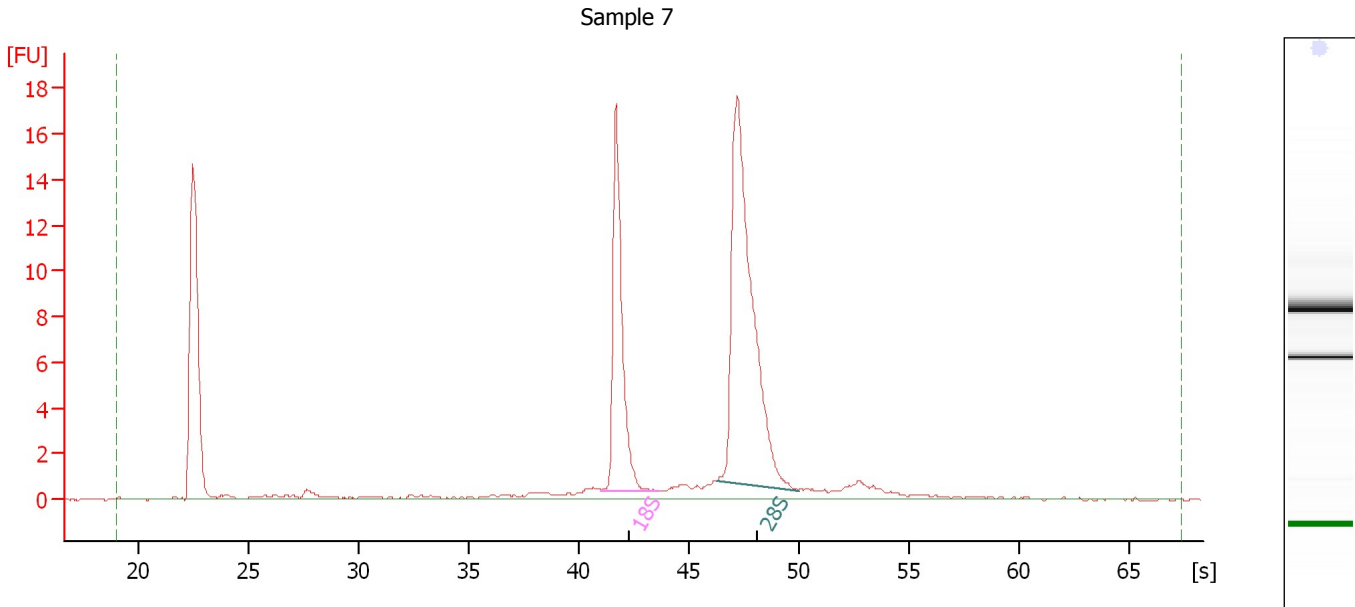
Overall Results for Ladder

RNA Area:	163.6	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\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area: 77.5 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 71 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN:10

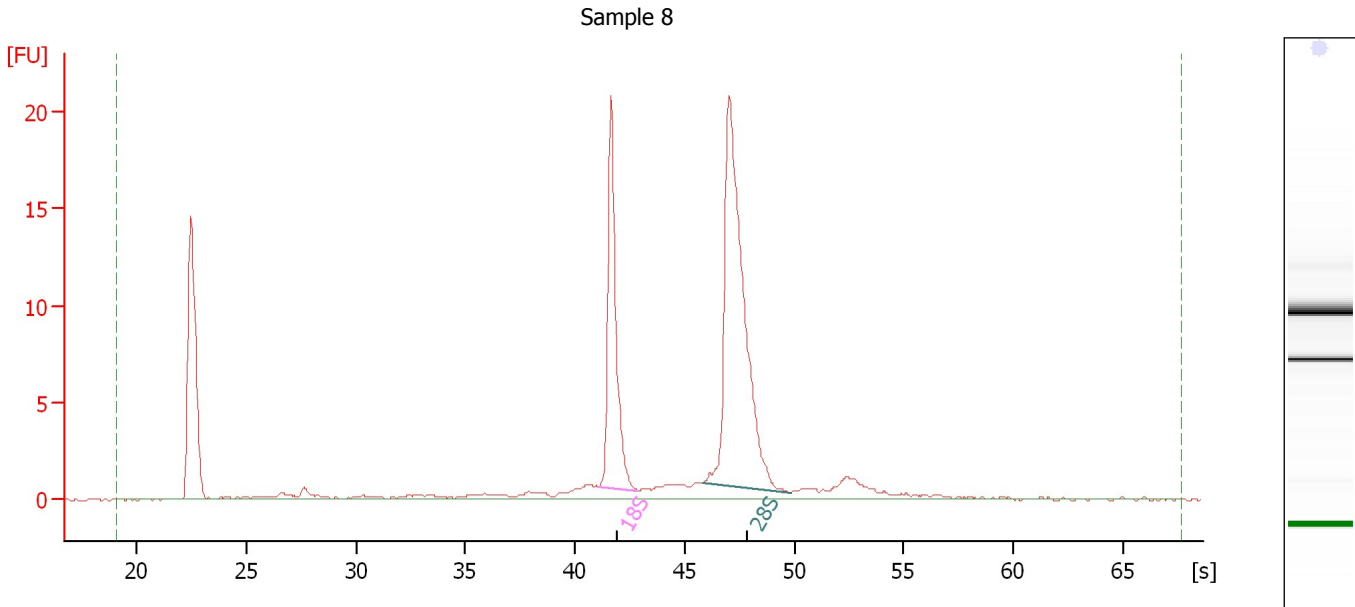
Fragment table for sample 7 : Sample 7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.05	43.63	18.4	23.7
28S	46.32	49.98	37.2	48.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area: 92.5 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 85 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.90

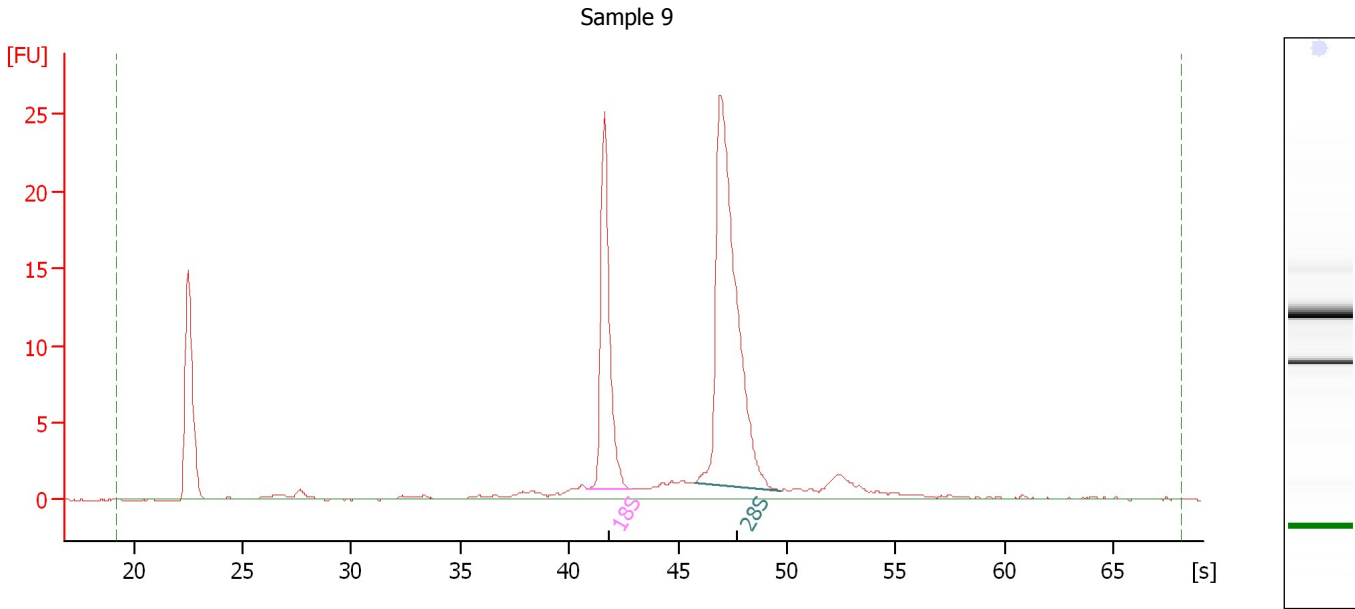
Fragment table for sample 8 : Sample 8

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.13	42.84	20.8	22.5
28S	45.83	49.85	42.4	45.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area: 114.0 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 105 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

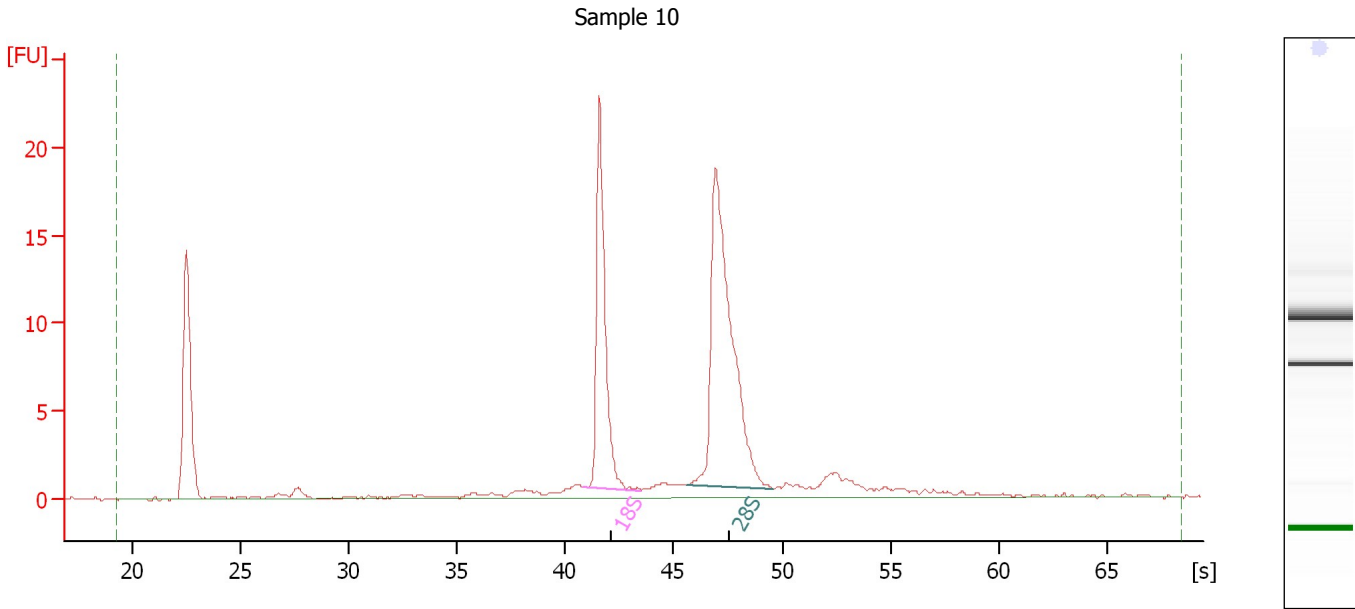
Fragment table for sample 9 : Sample 9

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.86	42.88	26.1	22.9
28S	45.74	49.69	56.1	49.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	96.9	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	89 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.90

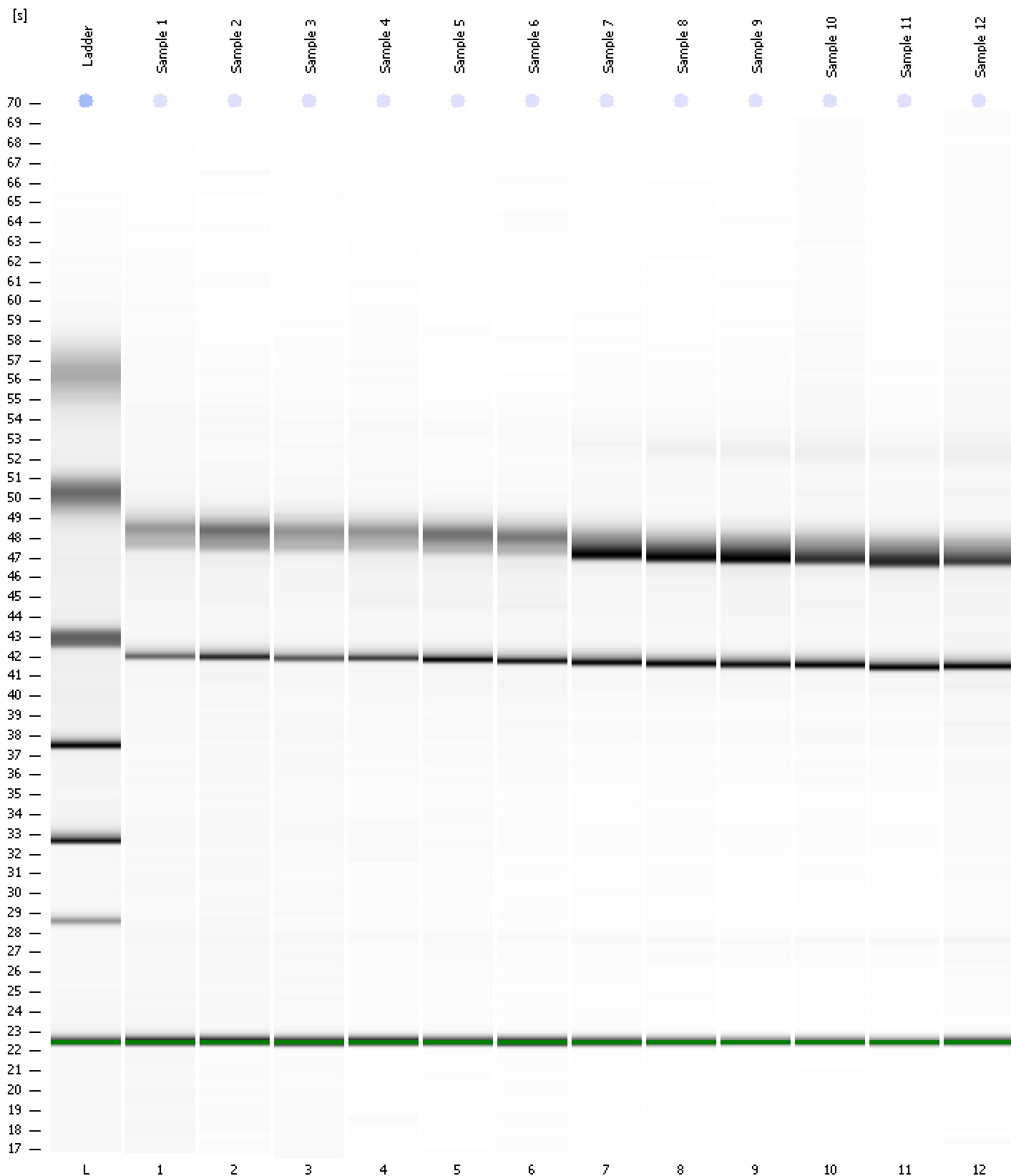
Fragment table for sample 10 : Sample 10

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.84	43.51	23.4	24.2
28S	45.59	49.61	41.5	42.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
Modified: 7/23/2019 1:58:55 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad

Created: 7/23/2019 1:35:04 PM
 Modified: 7/23/2019 1:58:55 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		7/23/2019 1:58:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_002.xad)		Instrument	Run		7/23/2019 1:35:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		7/23/2019 1:35:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/23/2019 1:35:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/23/2019 1:35:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		7/23/2019 1:35:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/23/2019 1:35:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/23/2019 1:35:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1