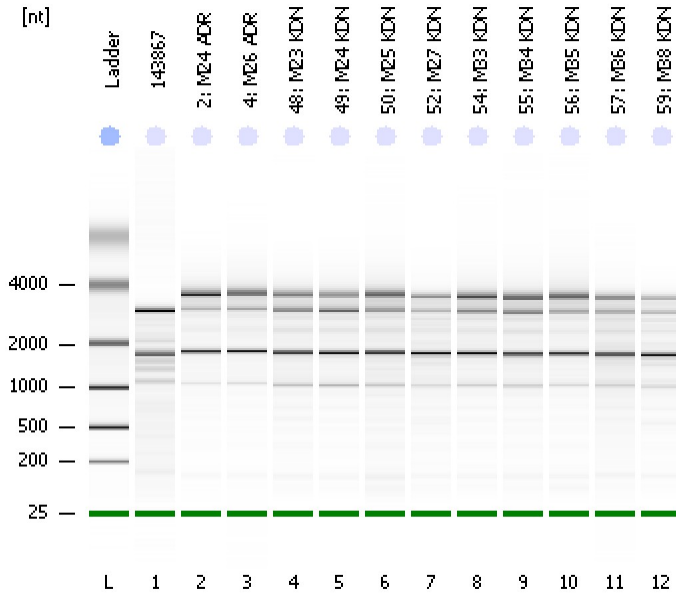


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electrophoresis File Run Summary



Instrument Information:

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

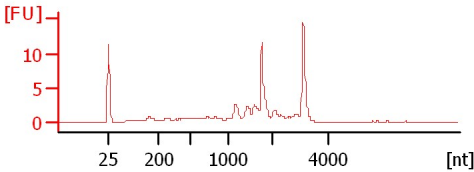
Assay Information:

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.

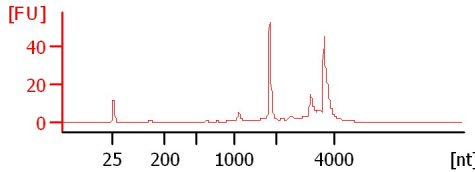
Chip Information:

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

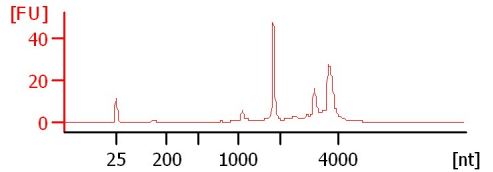
143867
Melon Total RNA
RIN: 7.40



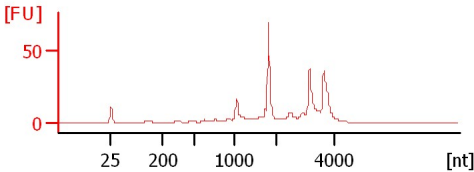
2: M24 ADR
RIN: 8.30



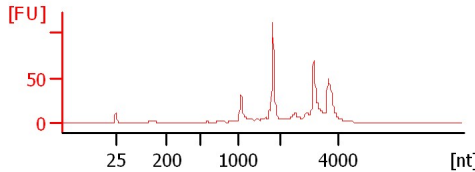
4: M26 ADR
RIN: 8.40



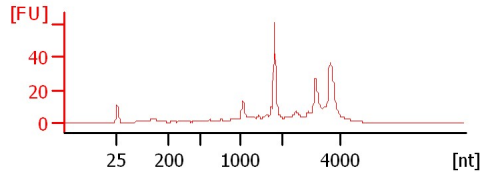
48: M23 KDN
RIN: 7.10



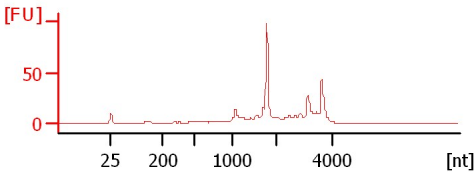
49: M24 KDN
RIN: 7.30



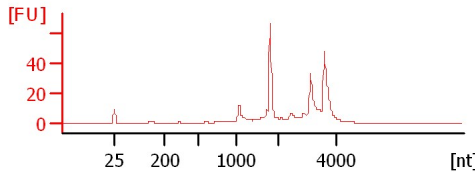
50: M25 KDN
RIN: 7.20



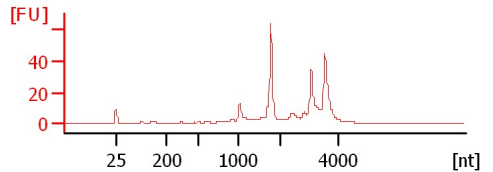
52: M27 KDN
RIN: 6.90



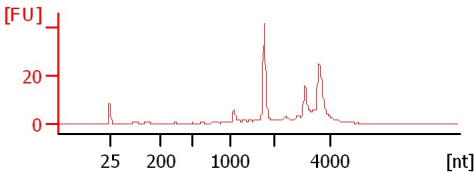
54: M33 KDN
RIN: 7.60



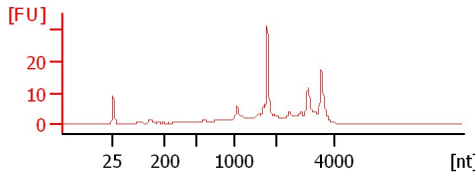
55: M34 KDN
RIN: 7.50



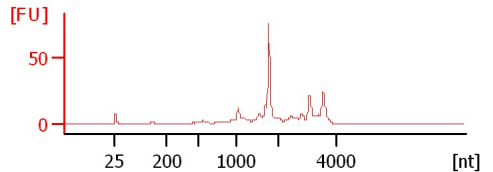
56: M35 KDN
RIN: 8.10



57: M36 KDN
RIN: 7.10



59: M38 KDN
RIN: 6.90



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
 Modified: 8/10/2016 10:51:24 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
143867	Melon Total RNA	✓	RIN: 7.40	
2: M24 ADR		✓	RIN: 8.30	
4: M26 ADR		✓	RIN: 8.40	
48: M23 KDN		✓	RIN: 7.10	
49: M24 KDN		✓	RIN: 7.30	
50: M25 KDN		✓	RIN: 7.20	
52: M27 KDN		✓	RIN: 6.90	
54: M33 KDN		✓	RIN: 7.60	
55: M34 KDN		✓	RIN: 7.50	
56: M35 KDN		✓	RIN: 8.10	
57: M36 KDN		✓	RIN: 7.10	
59: M38 KDN		✓	RIN: 6.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

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

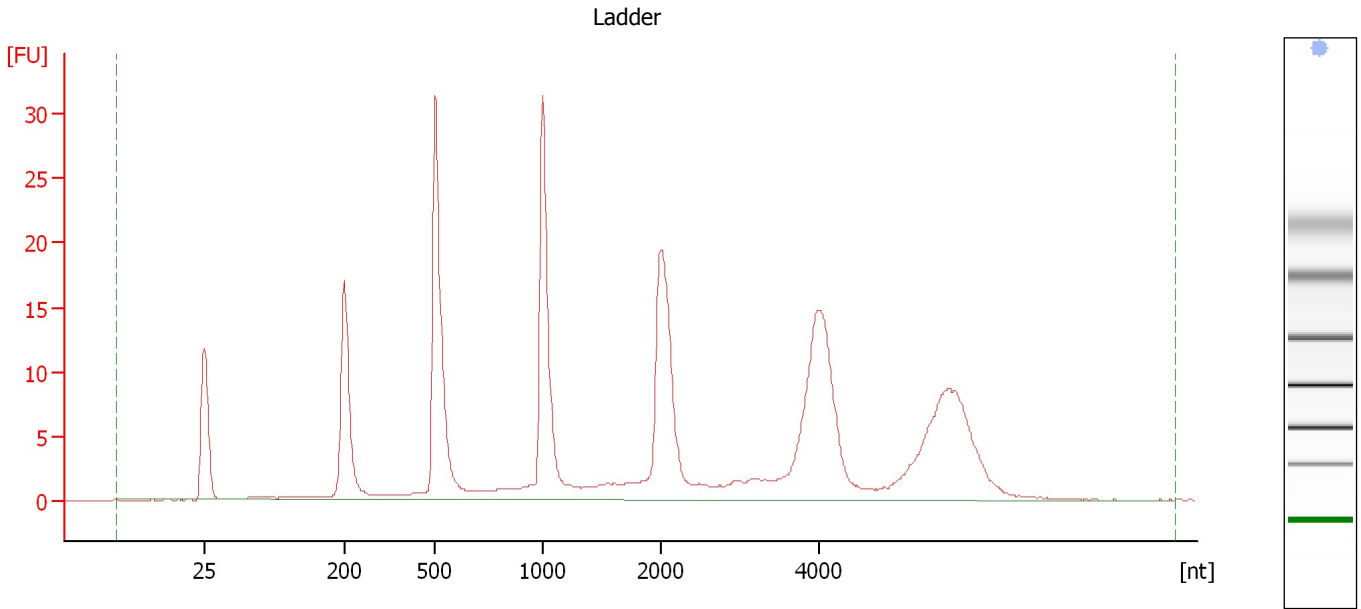
Ladder

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\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary



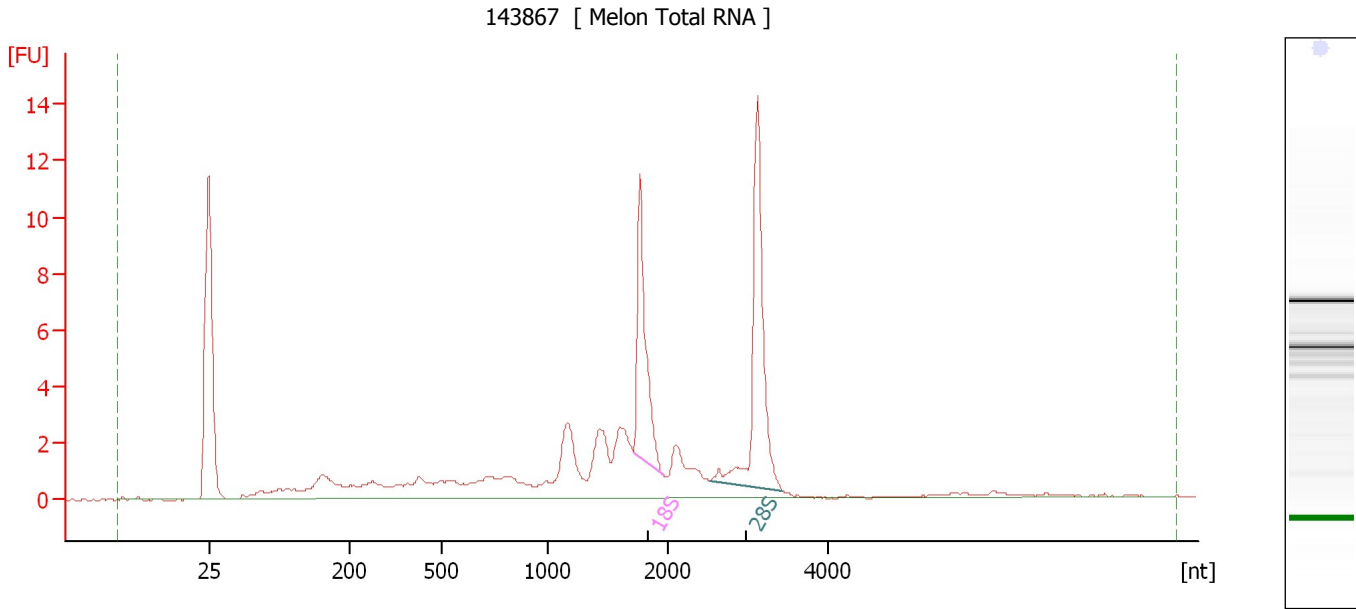
Overall Results for Ladder

RNA Area:	265.7	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\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 143867

RNA Area:	75.8	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	43 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.40

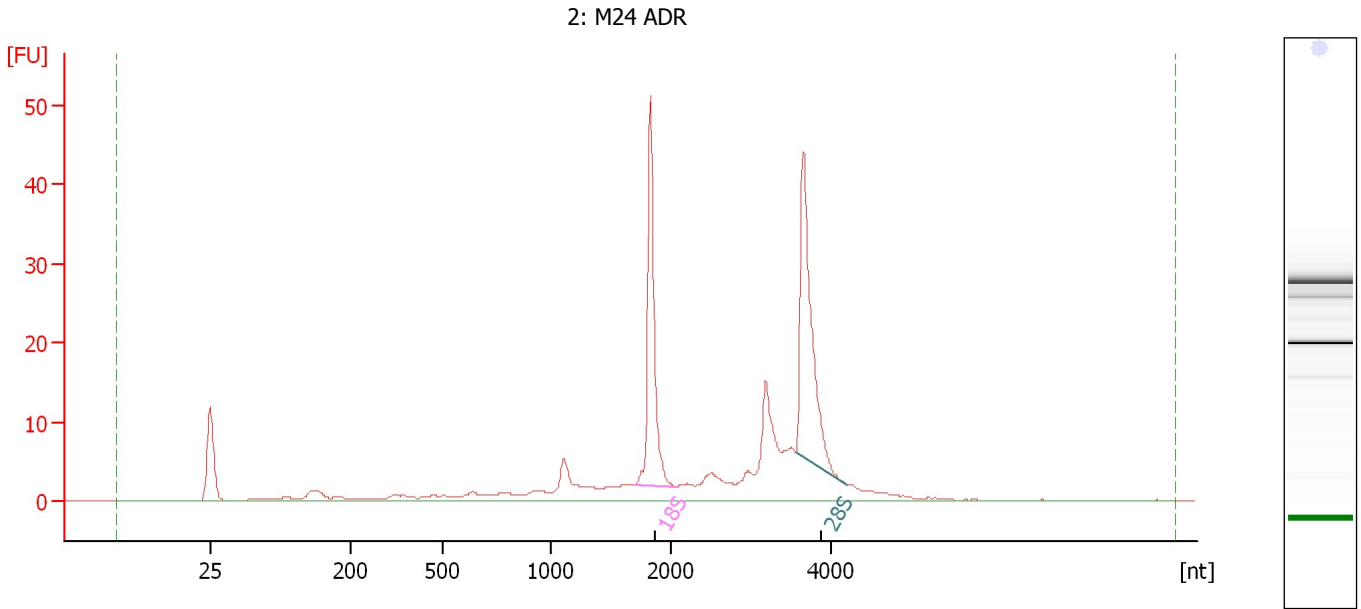
Fragment table for sample 1 : 143867

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	1,957	10.1	13.4
28S	2,527	3,440	14.8	19.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2: M24 ADR

RNA Area: 212.2 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 120 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.30

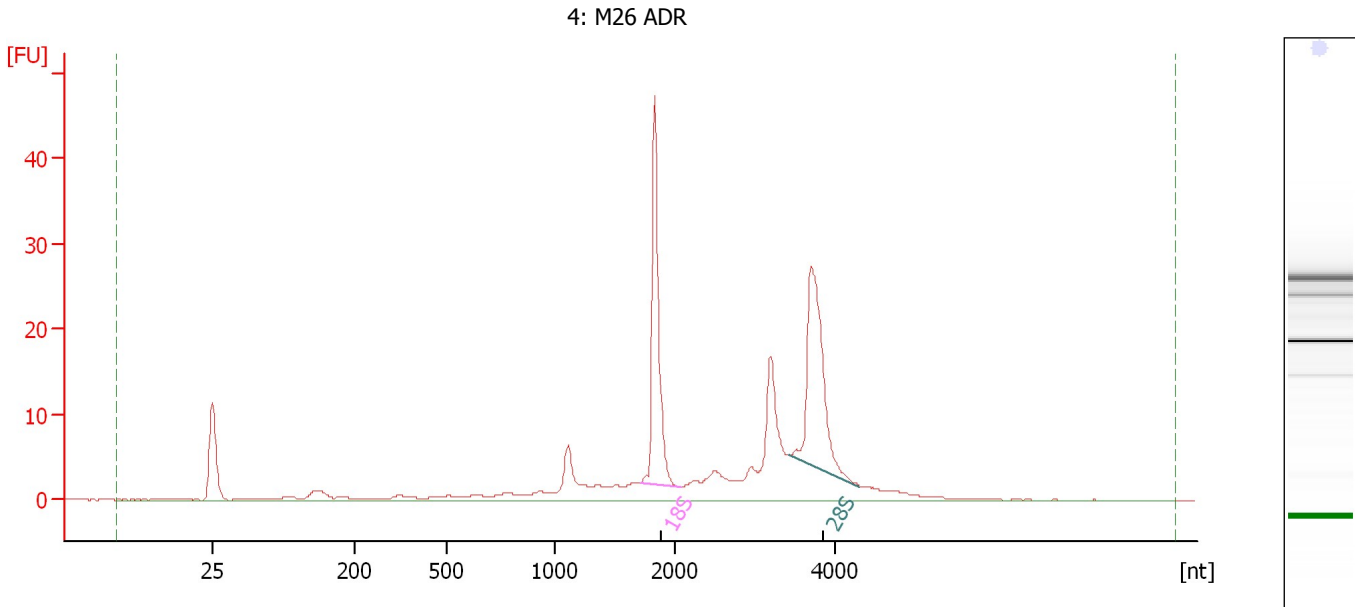
Fragment table for sample 2 : 2: M24 ADR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	2,073	40.3	19.0
28S	3,570	4,199	43.4	20.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 4: M26 ADR

RNA Area: 195.3 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 110 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 8.40

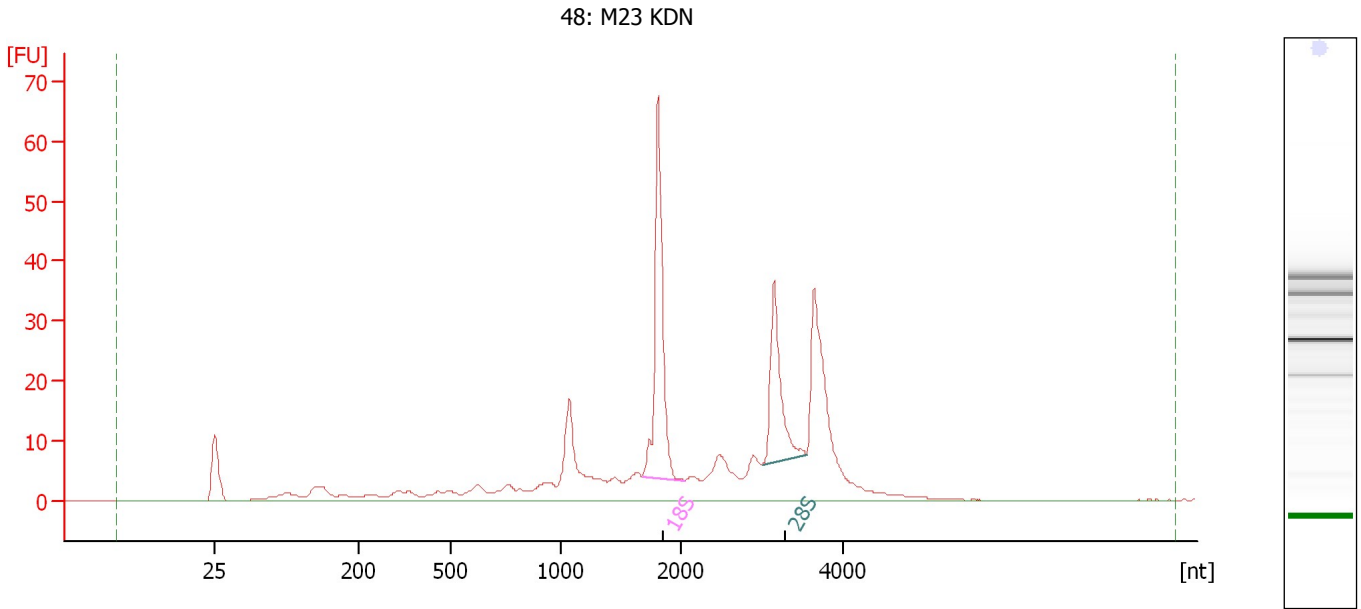
Fragment table for sample 3 : 4: M26 ADR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	2,062	36.9	18.9
28S	3,420	4,299	38.5	19.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 48: M23 KDN

RNA Area: 340.1 RNA Integrity Number (RIN): 7.1 (B.02.08)
RNA Concentration: 192 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 7.10

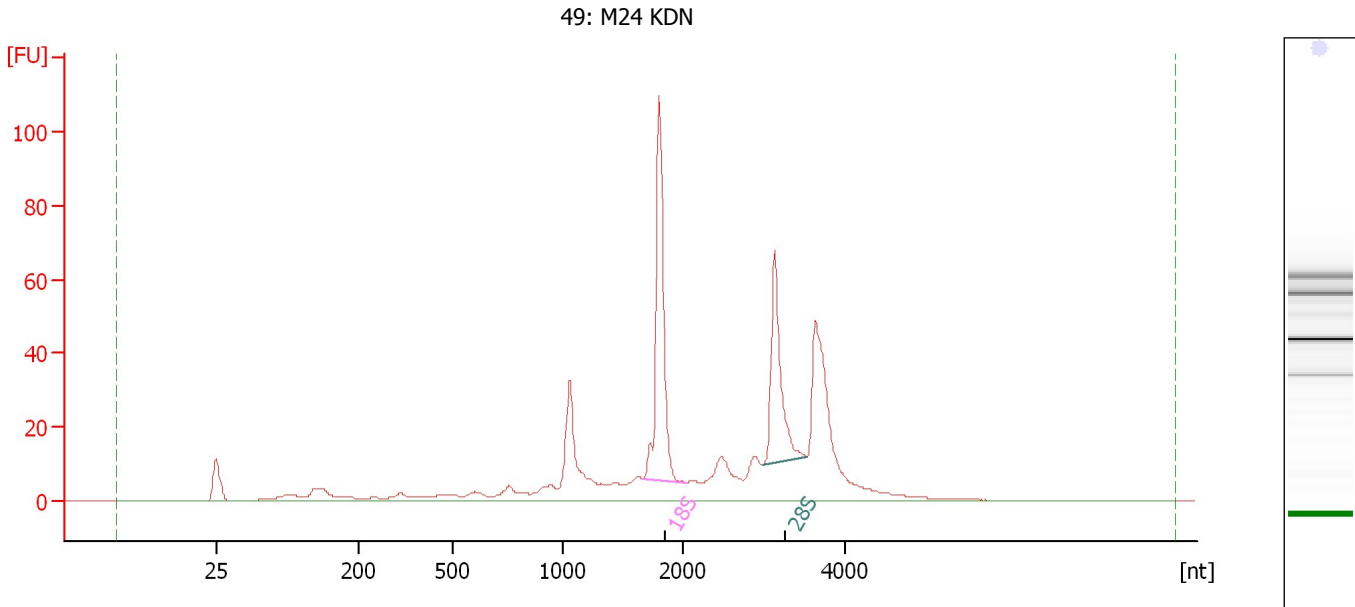
Fragment table for sample 4 : 48: M23 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	2,039	56.3	16.5
28S	3,005	3,547	31.8	9.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
 Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 49: M24 KDN

RNA Area:	515.0	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	291 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.30

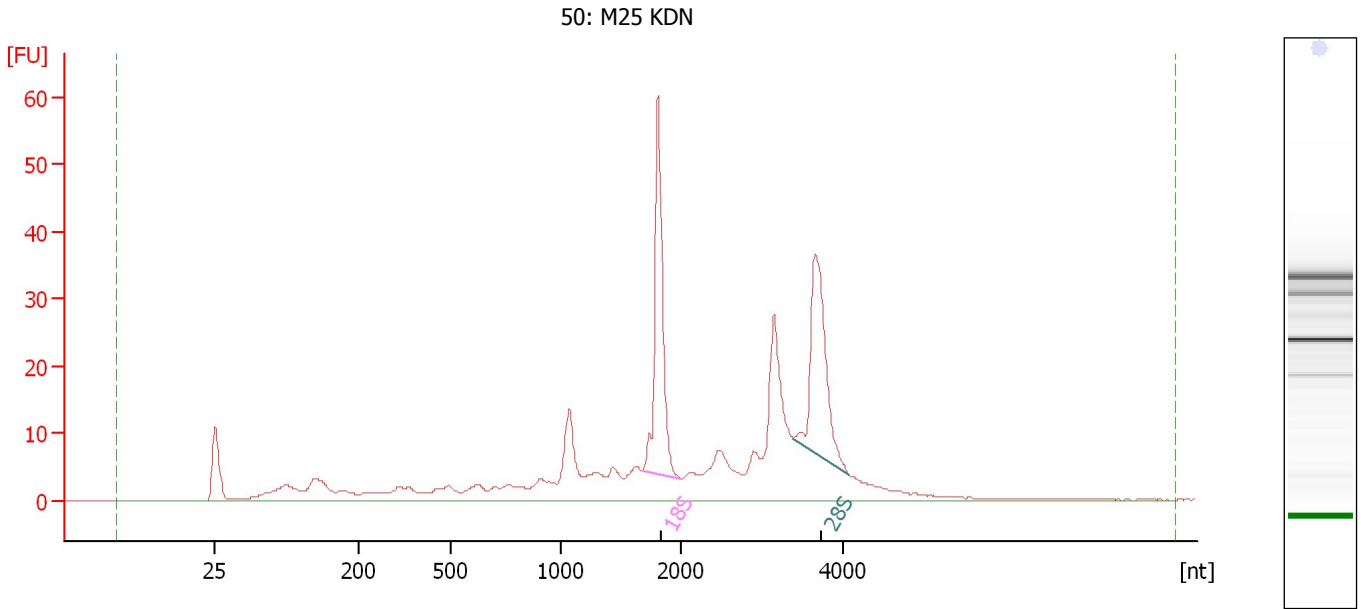
Fragment table for sample 5 : 49: M24 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	2,040	91.0	17.7
28S	2,977	3,519	56.8	11.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 50: M25 KDN

RNA Area: 366.6 RNA Integrity Number (RIN): 7.2 (B.02.08)
RNA Concentration: 207 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 7.20

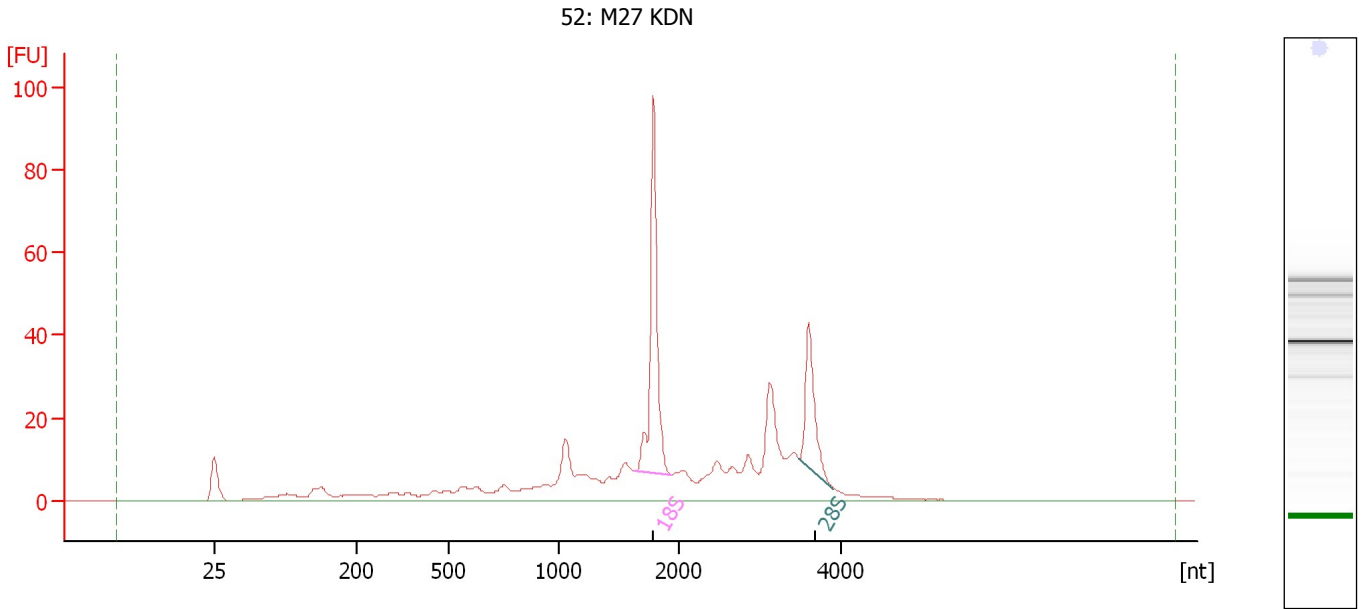
Fragment table for sample 6 : 50: M25 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	1,999	51.3	14.0
28S	3,388	4,090	46.0	12.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
 Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 52: M27 KDN

RNA Area:	433.2	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	245 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.90

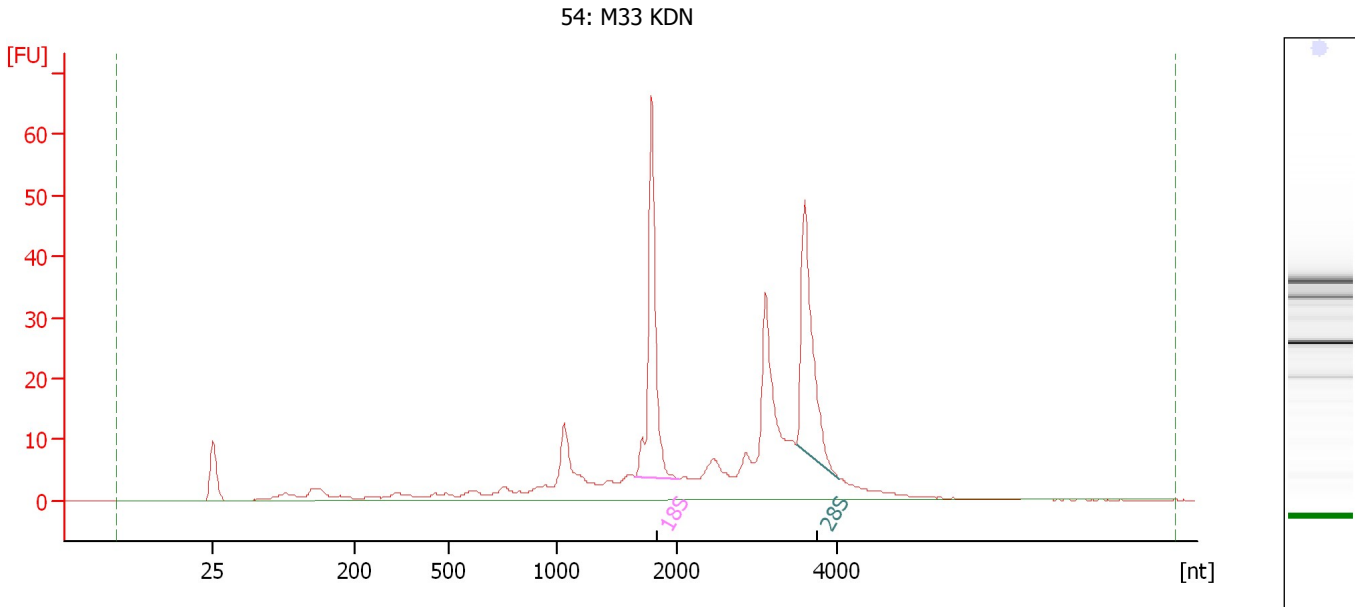
Fragment table for sample 7 : 52: M27 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	1,936	75.4	17.4
28S	3,496	3,920	33.0	7.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
 Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 54: M33 KDN

RNA Area:	331.3	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	187 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.60

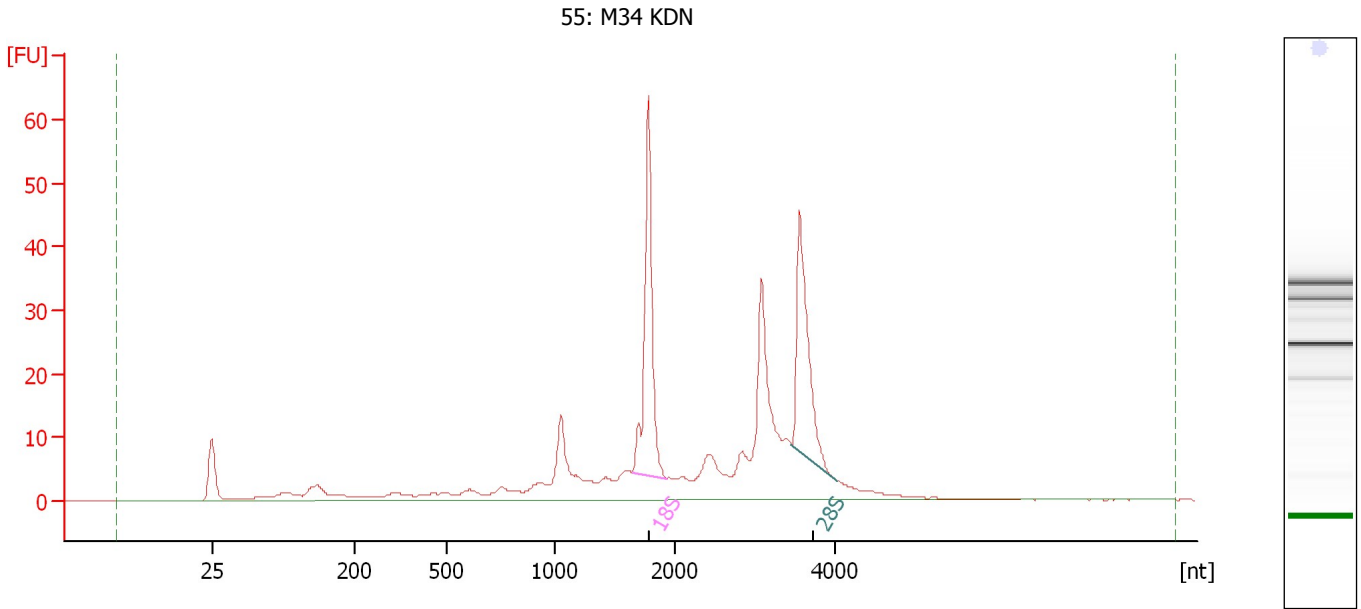
Fragment table for sample 8 : 54: M33 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,652	2,010	55.6	16.8
28S	3,485	4,003	46.6	14.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 55: M34 KDN

RNA Area: 334.5 RNA Integrity Number (RIN): 7.5 (B.02.08)
RNA Concentration: 189 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 7.50

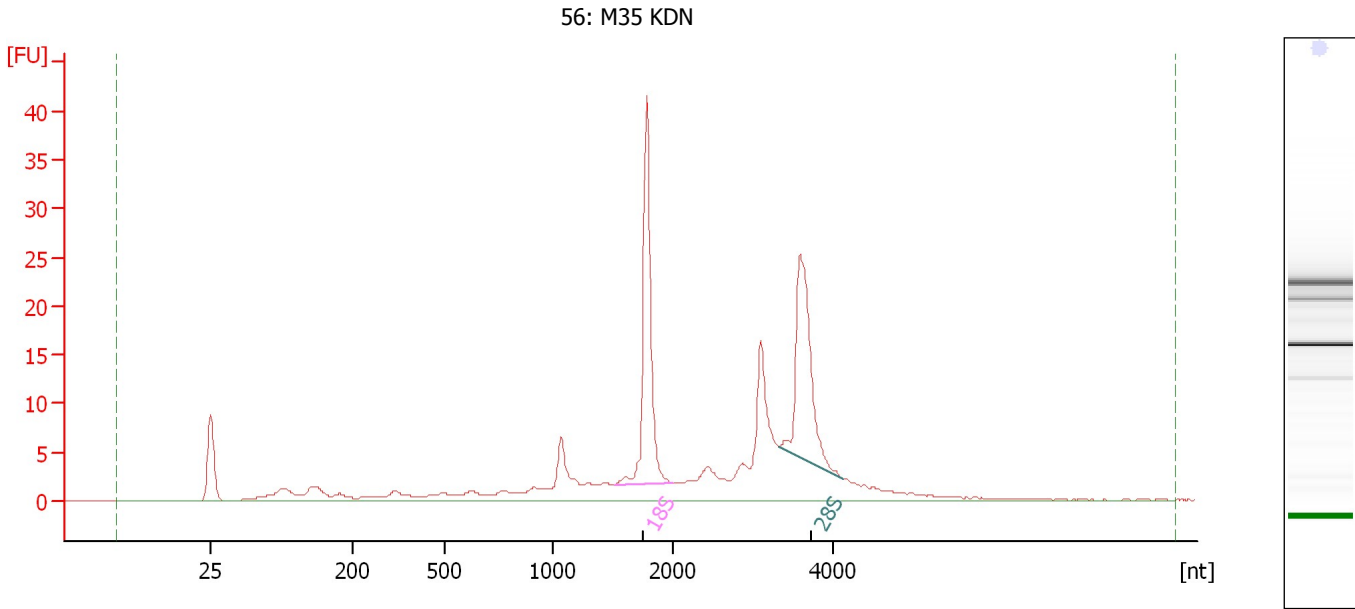
Fragment table for sample 9 : 55: M34 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	1,926	53.4	16.0
28S	3,447	4,006	43.5	13.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 56: M35 KDN

RNA Area: 201.3 RNA Integrity Number (RIN): 8.1 (B.02.08)
RNA Concentration: 114 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 8.10

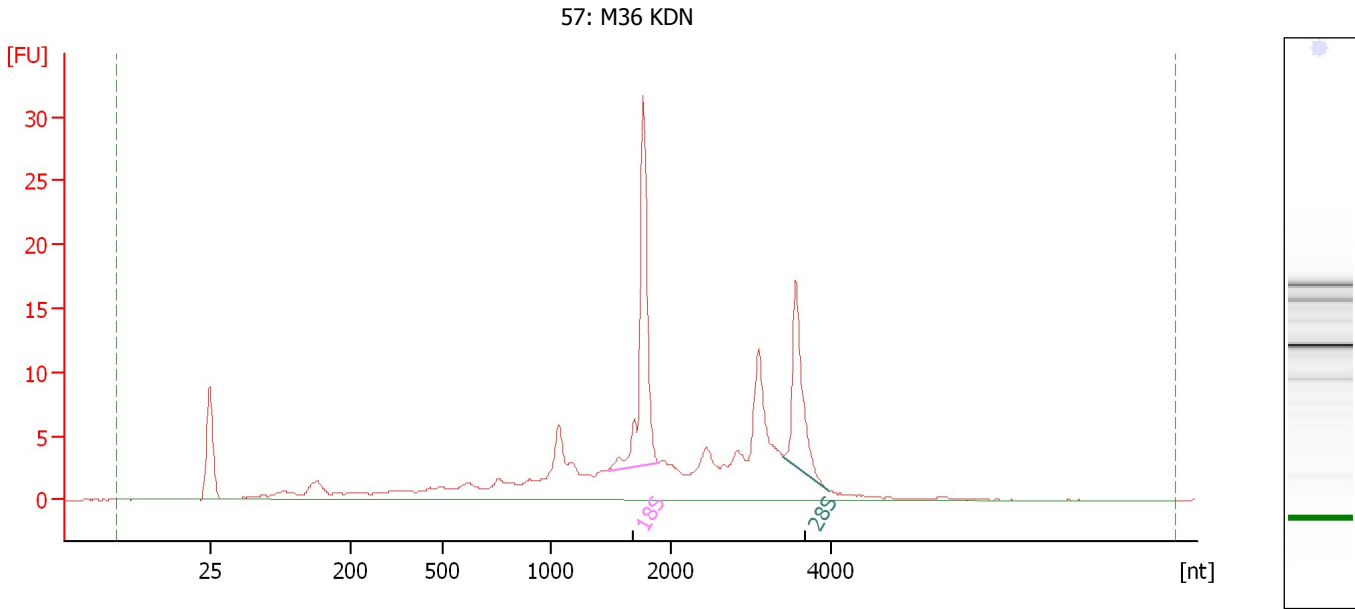
Fragment table for sample 10 : 56: M35 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,515	1,996	35.8	17.8
28S	3,328	4,115	32.0	15.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 57: M36 KDN

RNA Area: 160.0 RNA Integrity Number (RIN): 7.1 (B.02.08)
RNA Concentration: 90 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 7.10

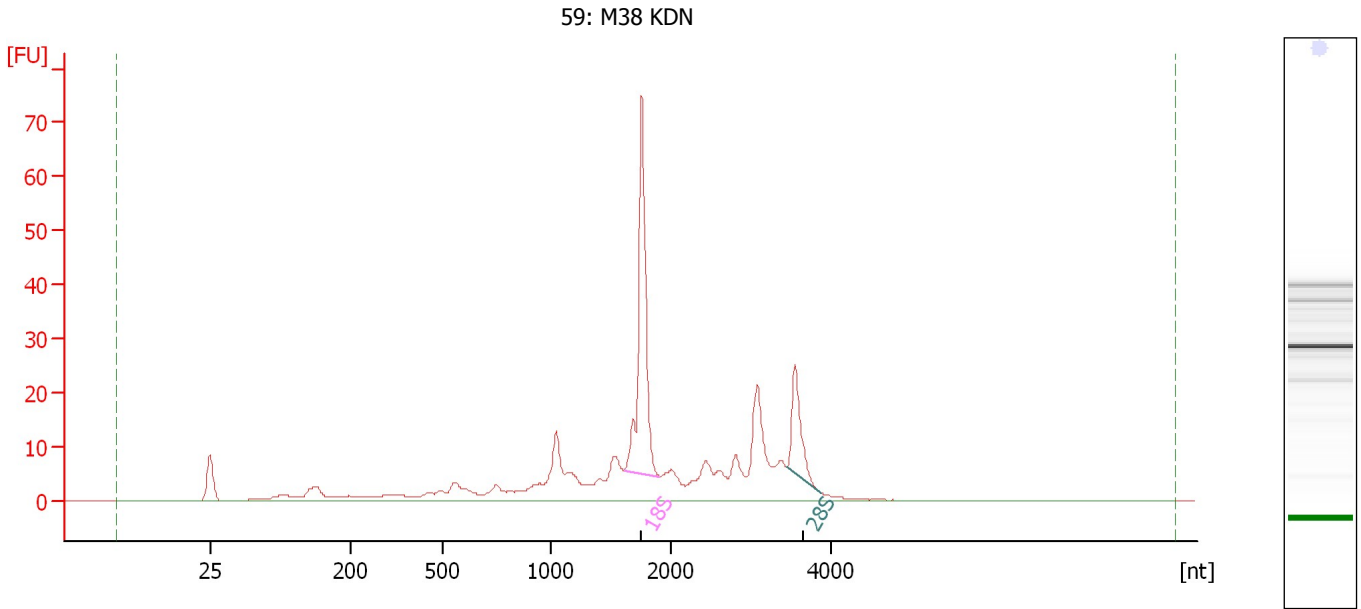
Fragment table for sample 11 : 57: M36 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,478	1,897	25.9	16.2
28S	3,410	3,985	15.1	9.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 59: M38 KDN

RNA Area: 300.5 RNA Integrity Number (RIN): 6.9 (B.02.08)
RNA Concentration: 170 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 6.90

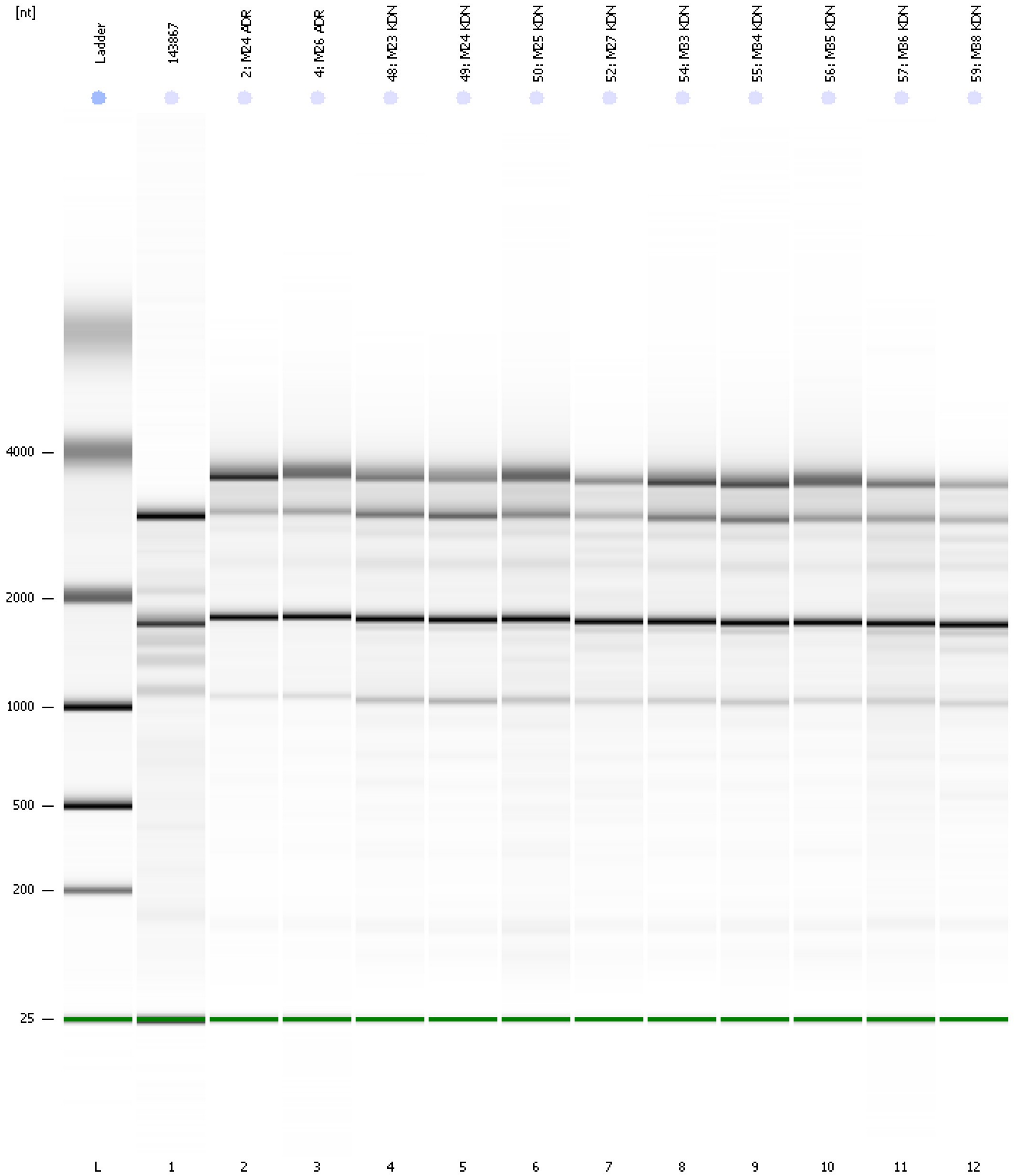
Fragment table for sample 12 : 59: M38 KDN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,612	1,906	60.8	20.2
28S	3,450	3,878	19.0	6.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:51:24 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad

Created: 8/10/2016 10:27:36 AM
 Modified: 8/10/2016 10:51:24 AM

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		8/10/2016 10:51:23 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad)		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1