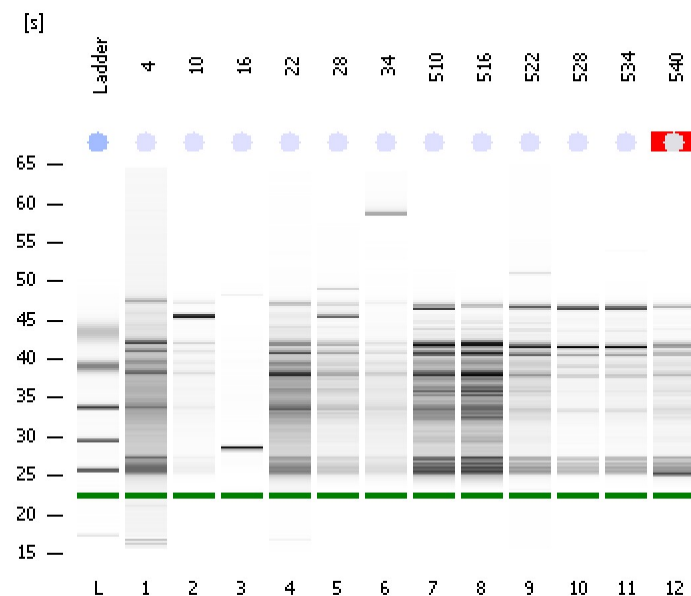


Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13805073
Serial#: DE13805073

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Programme\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

Assay Class: Plant RNA Nano

Version: 1.3

Assay Comments: Total RNA Analysis ng sensitivity (Plant)

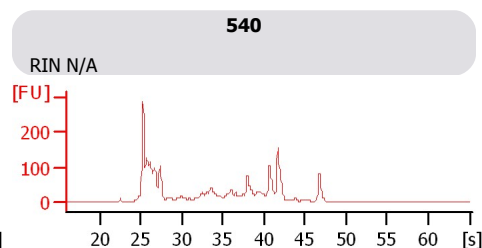
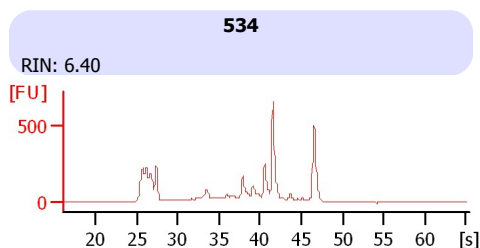
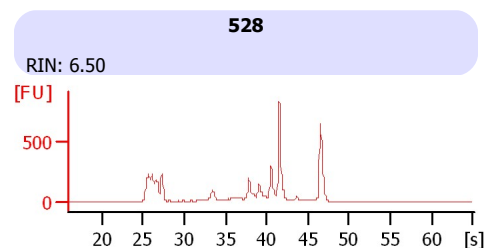
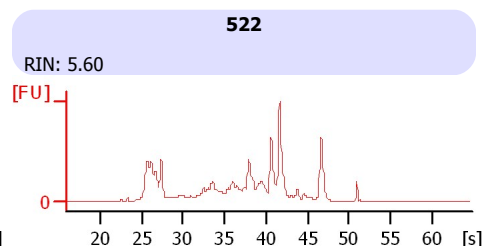
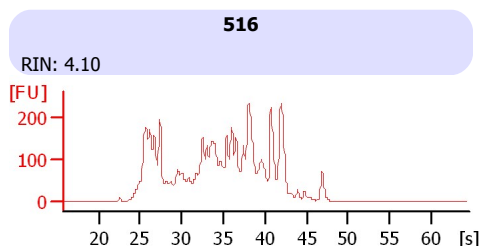
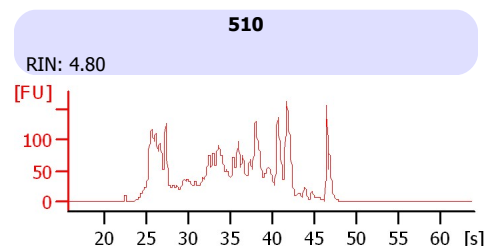
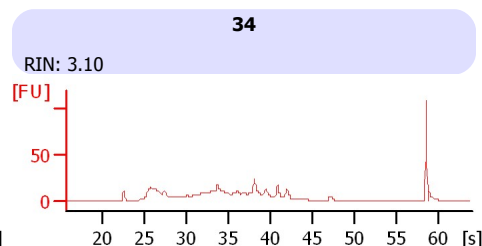
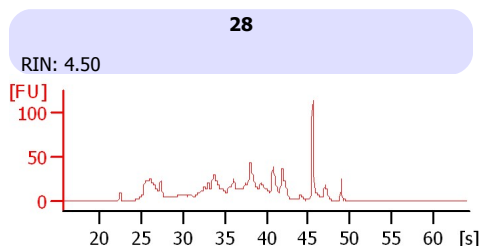
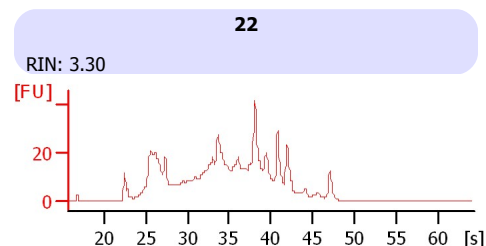
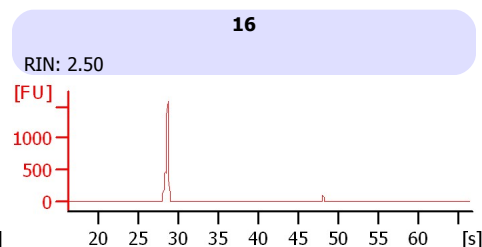
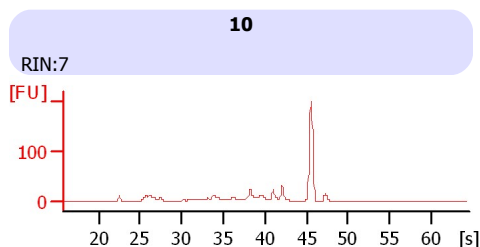
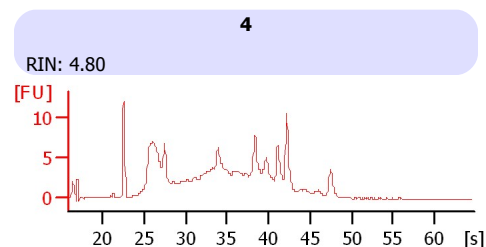
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4		✓	RIN: 4.80	
10		✓	RIN:7	
16		✓	RIN: 2.50	
22		✓	RIN: 3.30	
28		✓	RIN: 4.50	
34		✓	RIN: 3.10	
510		✓	RIN: 4.80	
516		✓	RIN: 4.10	
522		✓	RIN: 5.60	
528		✓	RIN: 6.50	
534		✓	RIN: 6.40	
540		✓	RIN N/A	
Ladder		✓	All Other Samples	

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

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

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] : 0,2
Area Threshold : 0,1
Width Threshold [s] : 0,2
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0,5
Polynomial Order : 4

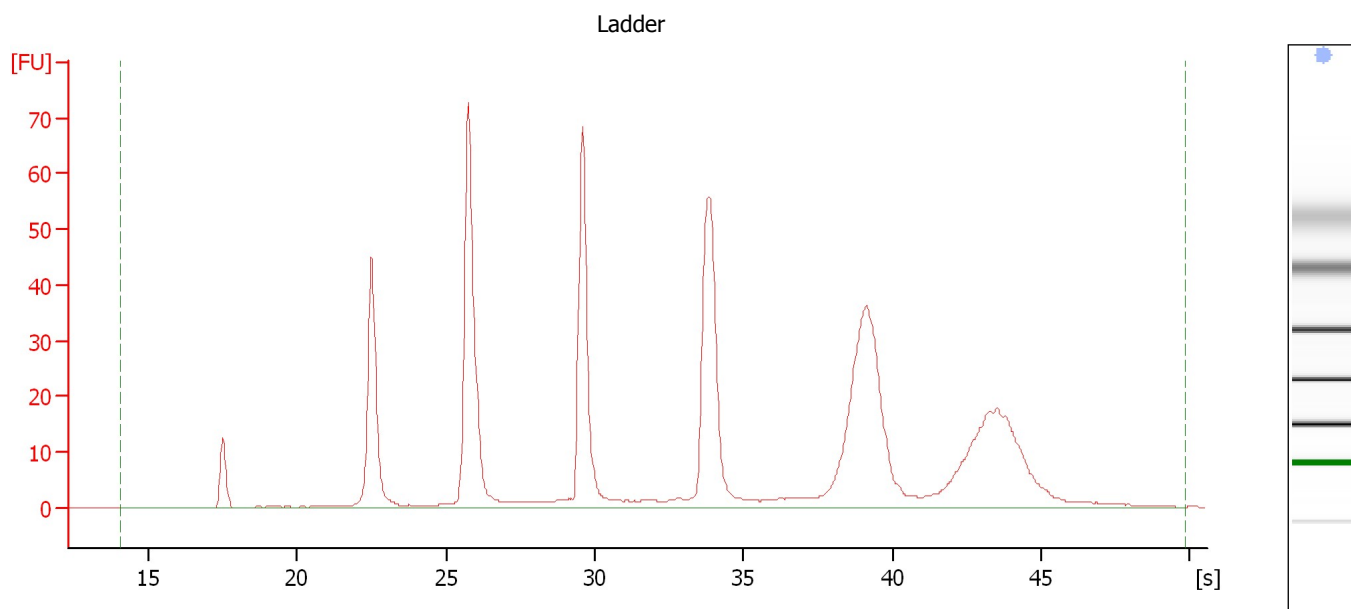
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary



Overall Results for Ladder

RNA Area: 543,3

Result Flagging Color:



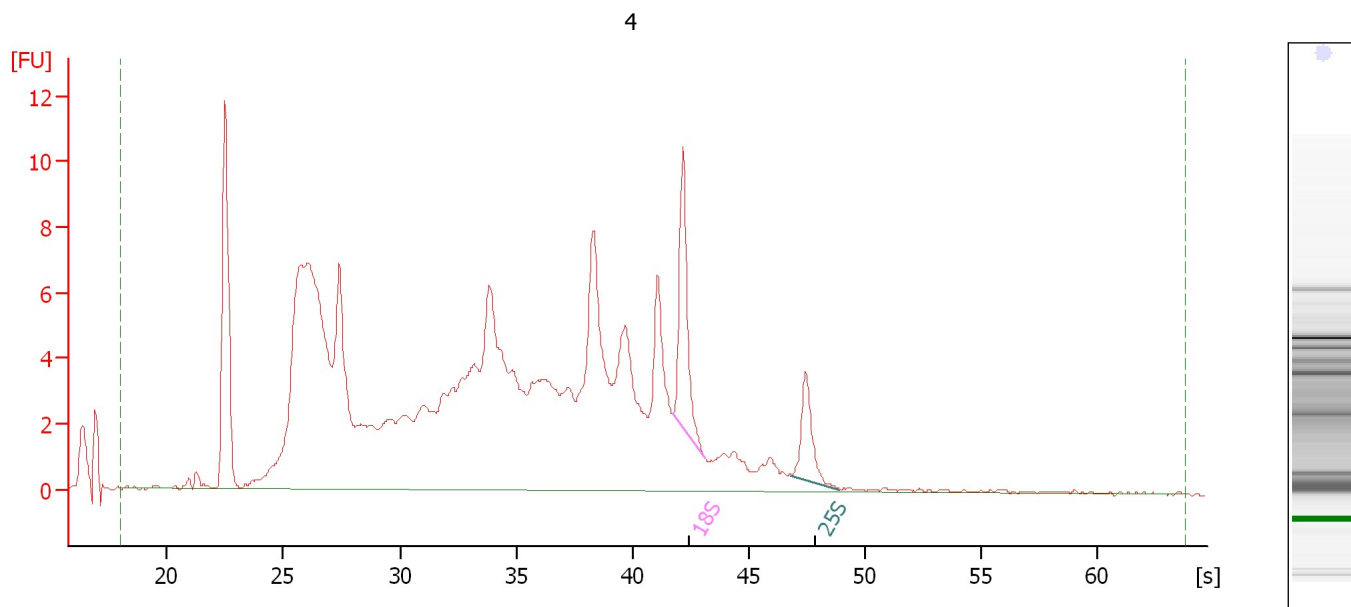
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 1 : 4**

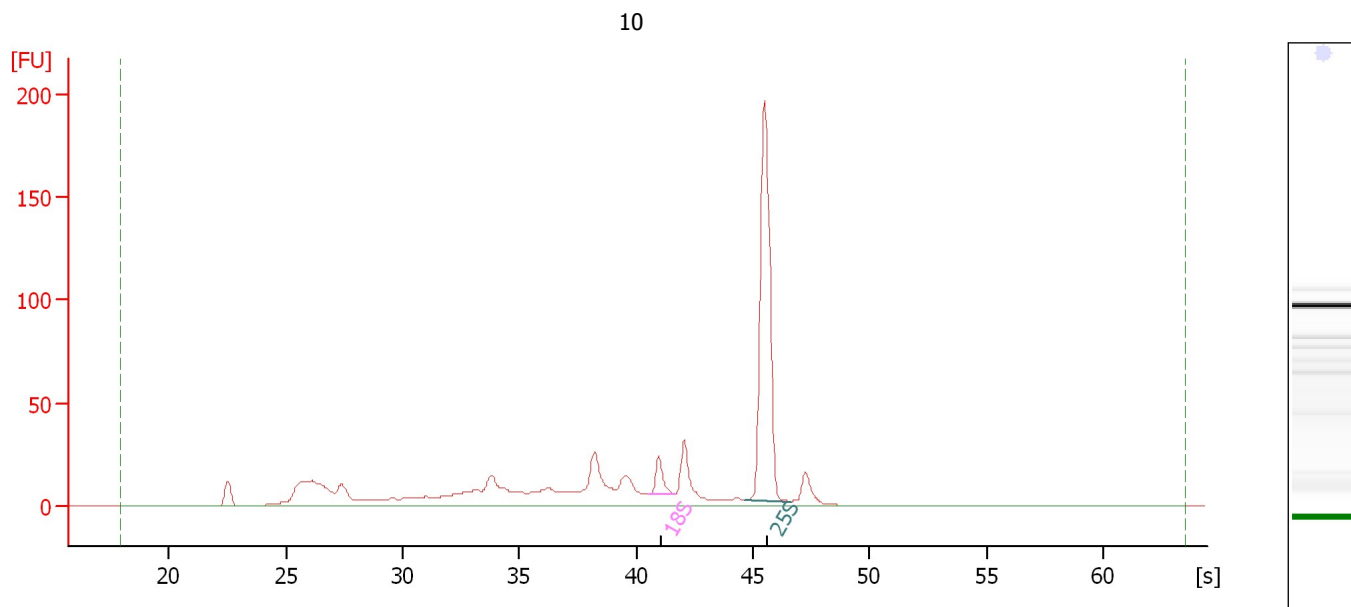
RNA Area:	219,0	RNA Integrity Number (RIN):	4.8 (B.02.08)
RNA Concentration:	60 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0,5	Result Flagging Label:	RIN: 4.80

Fragment table for sample 1 : 4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,72	43,11	7,7	3,5
25S	46,85	48,93	3,7	1,7

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 2 : 10**

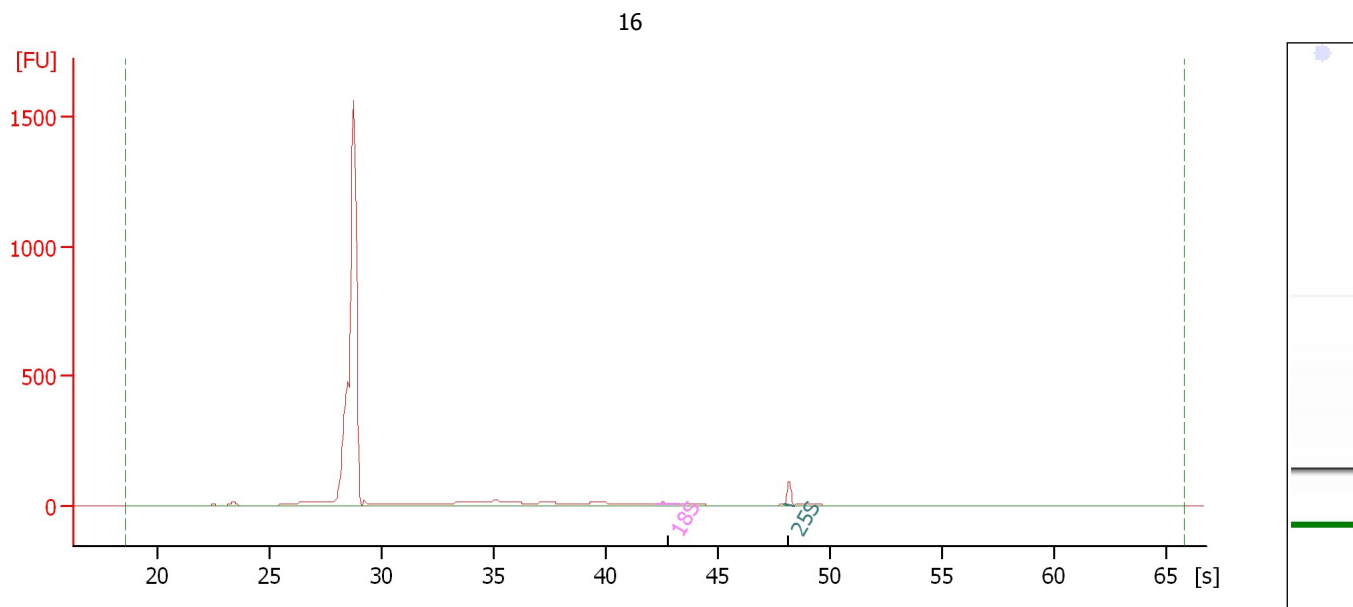
RNA Area:	686,0	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	189 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	12,5	Result Flagging Label:	RIN:7

Fragment table for sample 2 : 10

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40,58	41,69	16,3	2,4
25S	44,68	46,61	203,4	29,7

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 3 : 16**

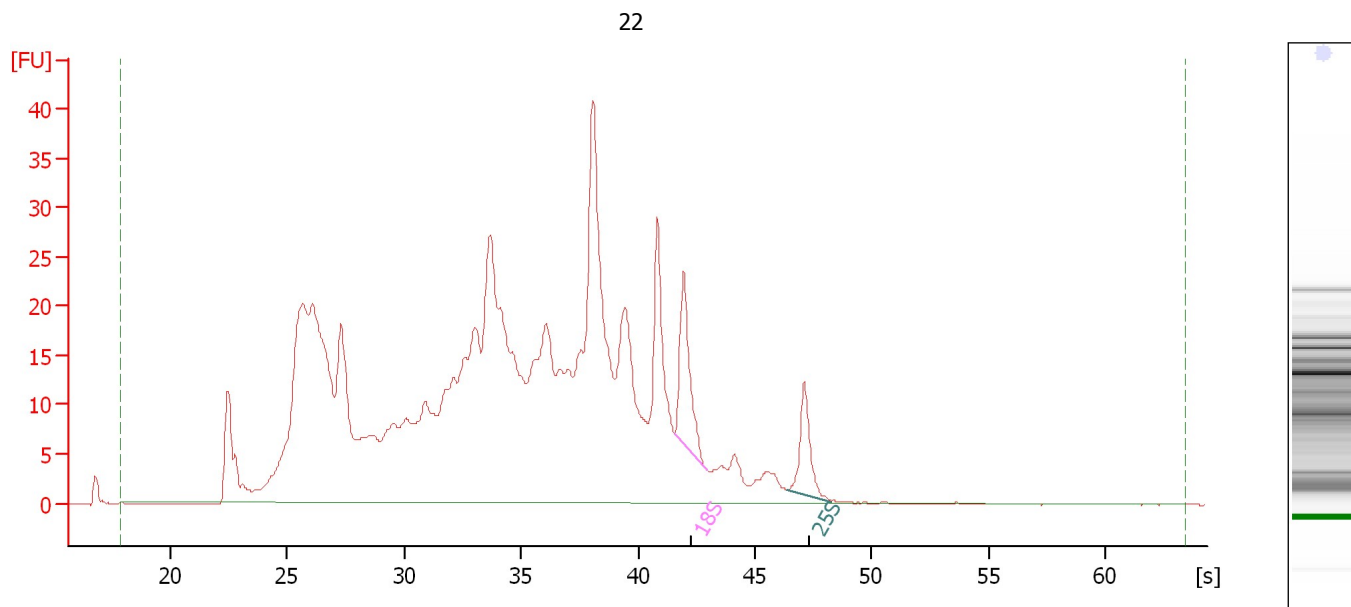
RNA Area:	2.592,1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	716 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	5,8	Result Flagging Label:	RIN: 2.50

Fragment table for sample 3 : 16

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	42,19	43,28	7,0	0,3
25S	47,96	48,38	40,3	1,6

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 4 : 22**

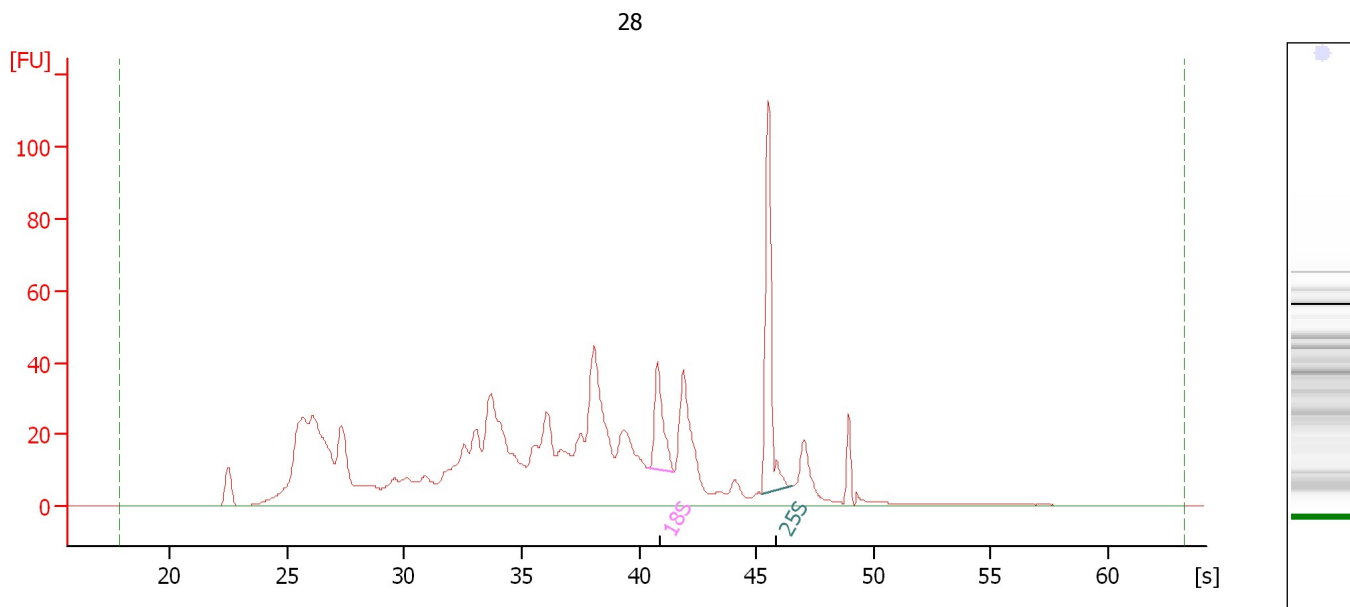
RNA Area:	801,6	RNA Integrity Number (RIN):	3.3 (B.02.08)
RNA Concentration:	221 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0,6	Result Flagging Label:	RIN: 3.30

Fragment table for sample 4 : 22

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,56	42,98	19,7	2,5
25S	46,38	48,26	12,1	1,5

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 5 : 28**

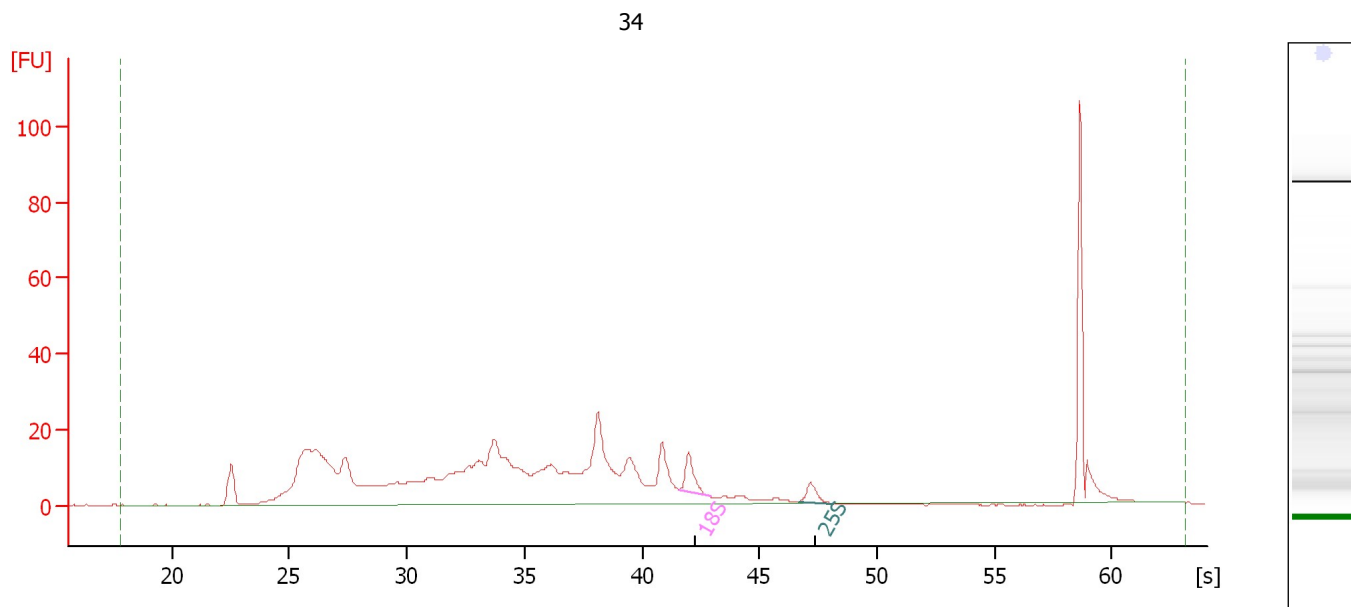
RNA Area:	987,0	RNA Integrity Number (RIN):	4.5 (B.02.08)
RNA Concentration:	272 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2,1	Result Flagging Label:	RIN: 4.50

Fragment table for sample 5 : 28

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40,42	41,52	31,2	3,2
25S	45,23	46,51	65,3	6,6

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 6 : 34**

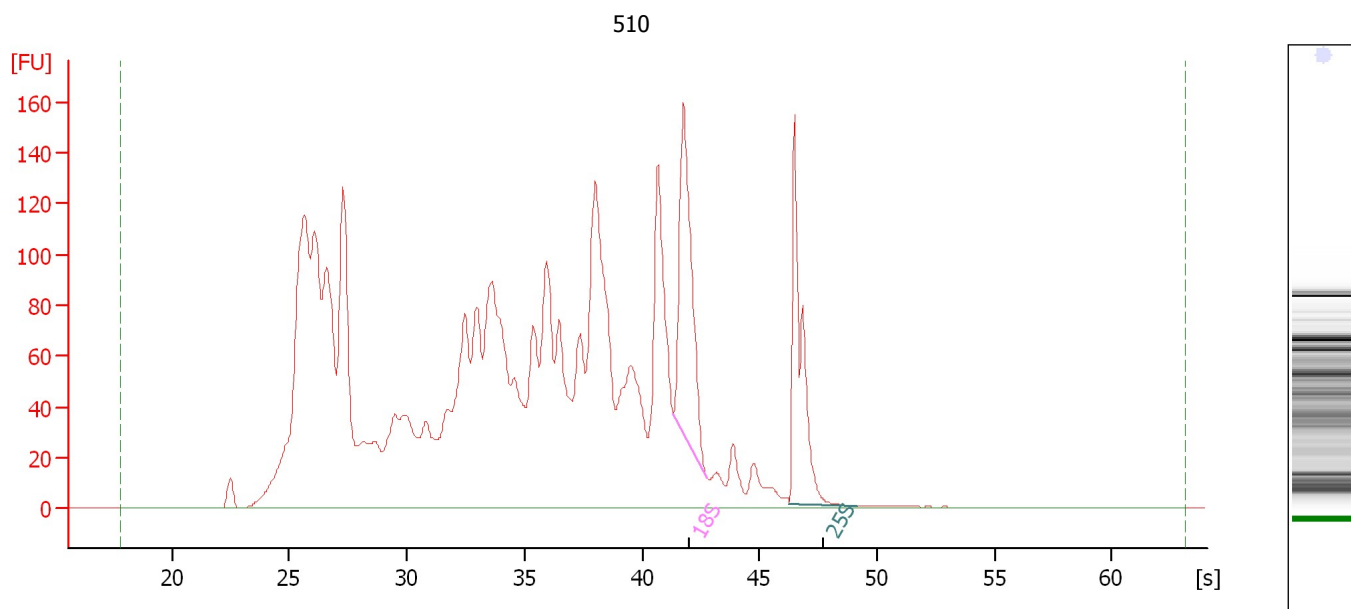
RNA Area:	552,4	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	152 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0,5	Result Flagging Label:	RIN: 3.10

Fragment table for sample 6 : 34

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,57	42,90	10,3	1,9
25S	46,65	48,16	5,3	1,0

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 7 : 510**

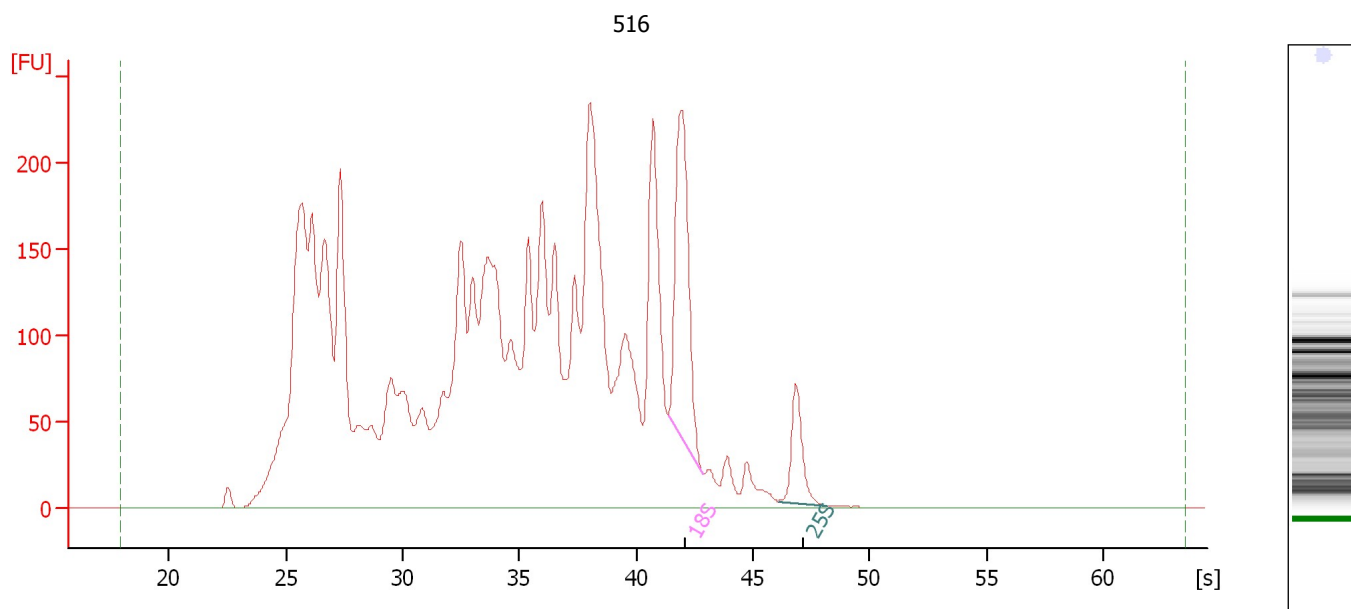
RNA Area:	3.530,7	RNA Integrity Number (RIN):	4.8 (B.02.08)
RNA Concentration:	975 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0,8	Result Flagging Label:	RIN: 4.80

Fragment table for sample 7 : 510

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,34	42,80	180,0	5,1
25S	46,28	49,12	140,1	4,0

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 8 : 516**

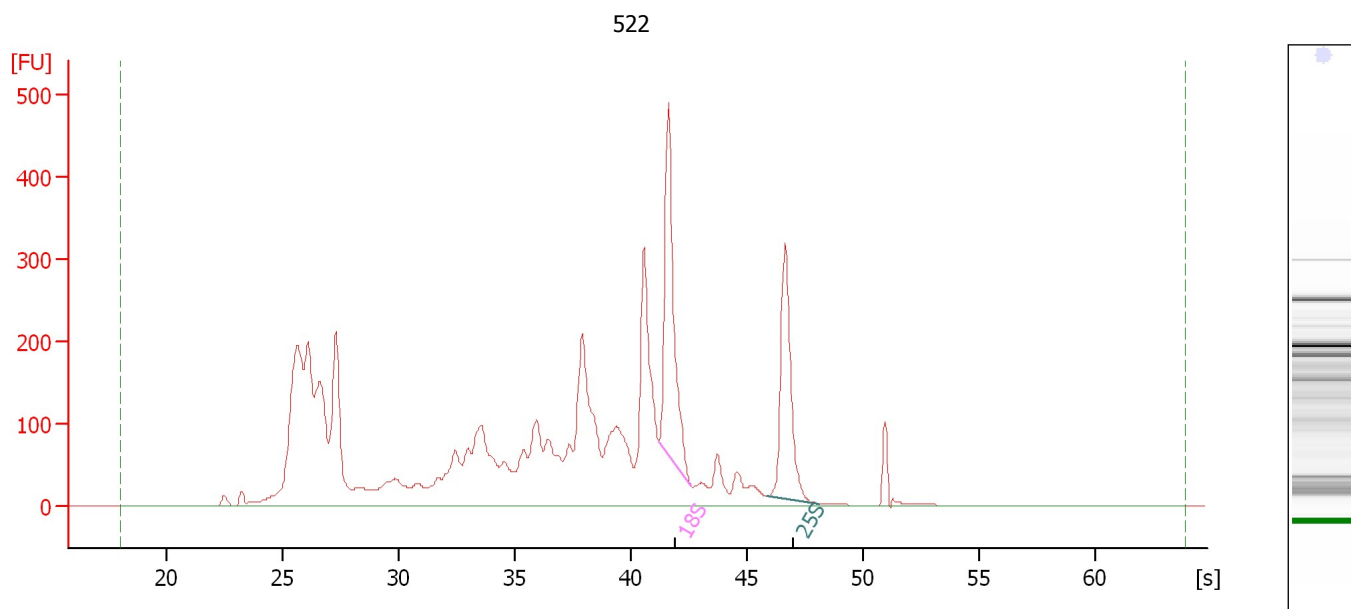
RNA Area:	5.897,2	RNA Integrity Number (RIN):	4.1 (B.02.08)
RNA Concentration:	1.628 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0,3	Result Flagging Label:	RIN: 4.10

Fragment table for sample 8 : 516

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,37	42,84	294,4	5,0
25S	46,10	48,17	75,4	1,3

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 9 : 522**

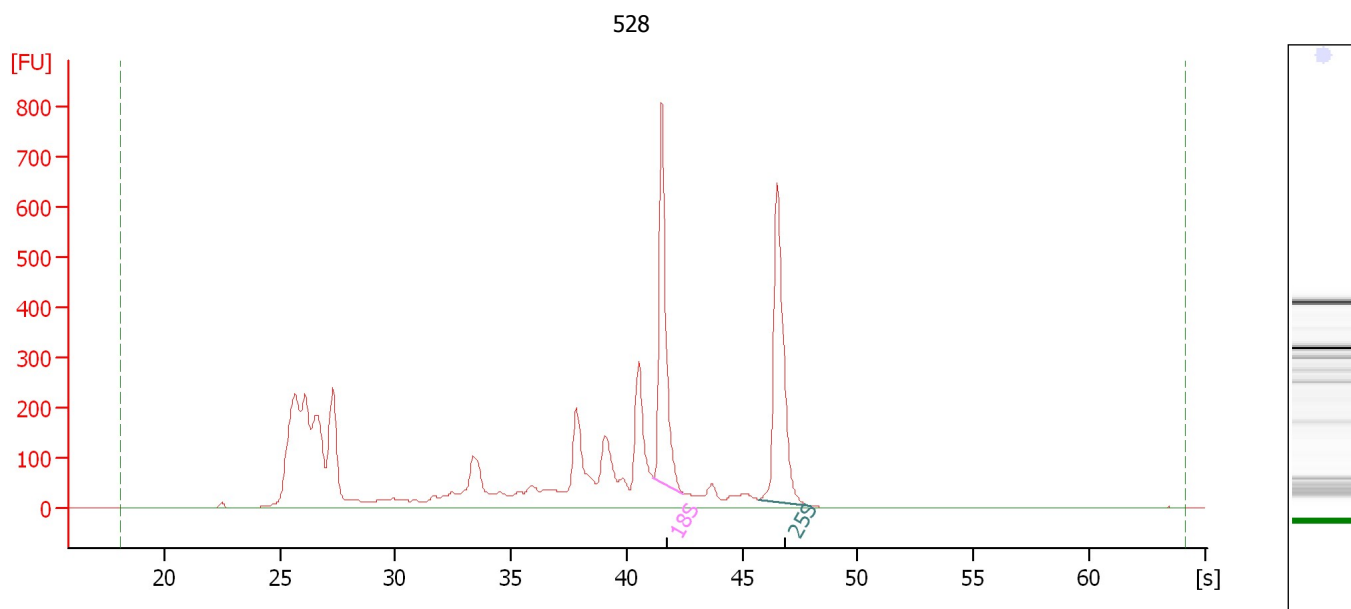
RNA Area:	5.152,6	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	1.422 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0,8	Result Flagging Label:	RIN: 5.60

Fragment table for sample 9 : 522

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,20	42,64	435,7	8,5
25S	45,88	48,10	327,6	6,4

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 10 : 528**

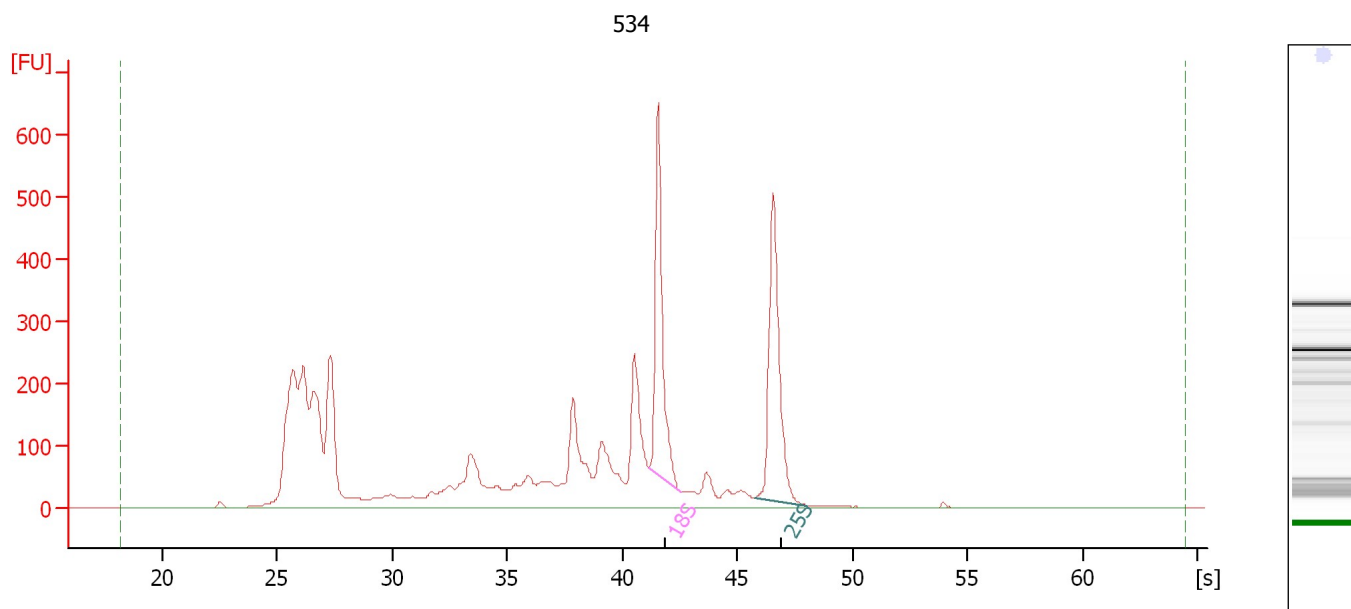
RNA Area:	5.095,1	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	1.407 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1,1	Result Flagging Label:	RIN: 6.50

Fragment table for sample 10 : 528

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,14	42,44	627,3	12,3
25S	45,70	47,98	673,1	13,2

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 11 : 534**

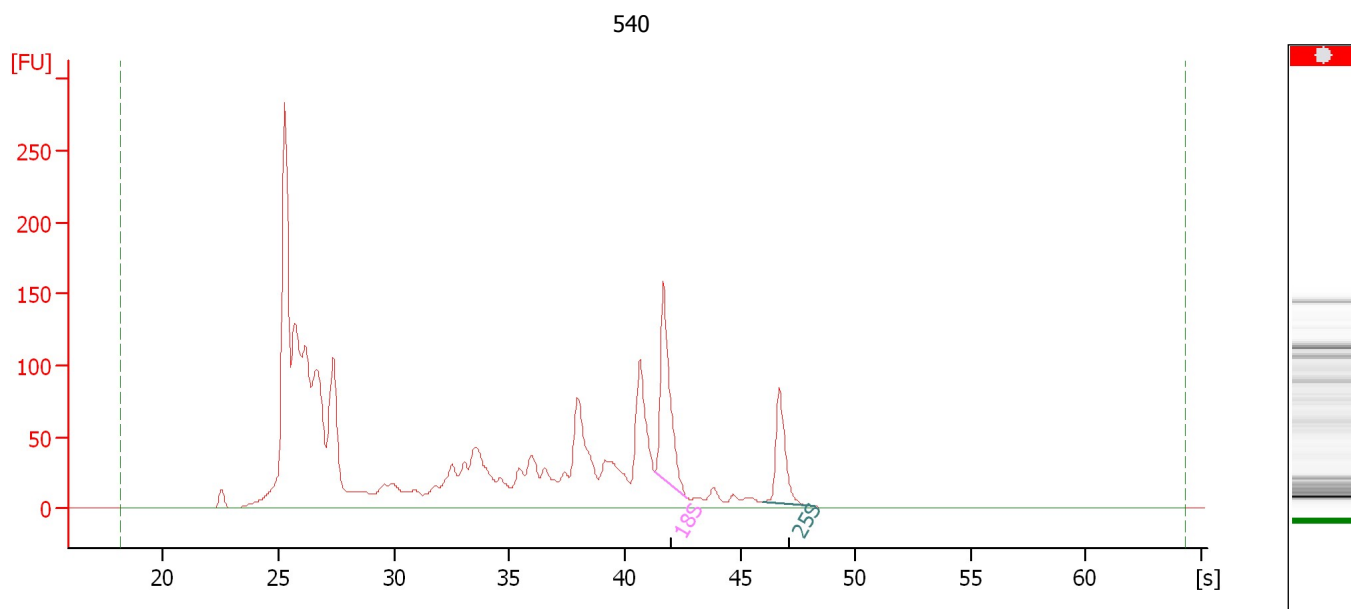
RNA Area:	4.815,0	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	1.329 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1,0	Result Flagging Label:	RIN: 6.40

Fragment table for sample 11 : 534

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,13	42,53	526,0	10,9
25S	45,70	48,03	537,2	11,2

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Electropherogram Summary Continued ...**Overall Results for sample 12 : 540**

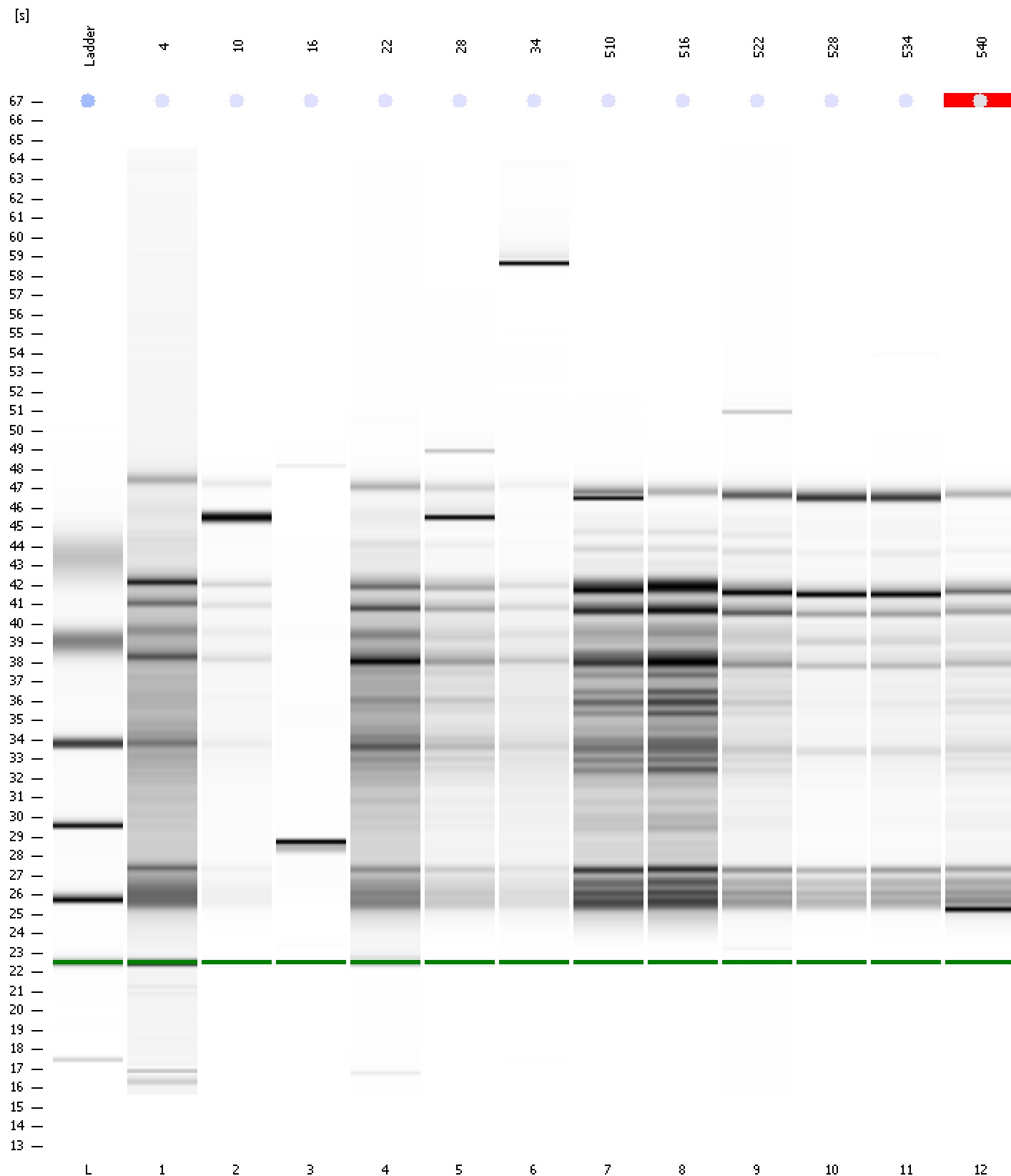
RNA Area:	2.446,3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	675 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0,5	Result Flagging Label:	RIN N/A

Fragment table for sample 12 : 540

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,27	42,72	150,3	6,1
25S	45,98	48,21	80,5	3,3

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

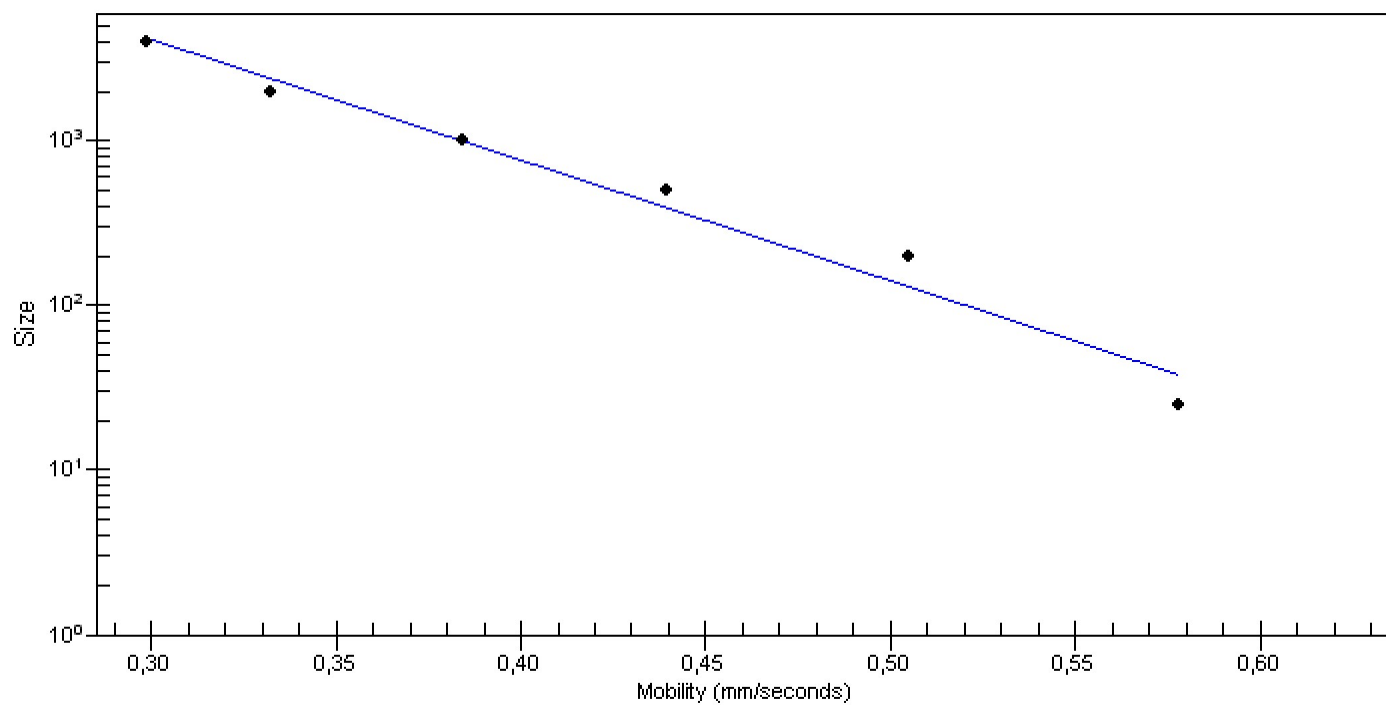
Gel Image

Assay Class: Plant RNA Nano
Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad

Created: 29.01.2014 15:24:40
Modified: 29.01.2014 15:48:34

Curves

Standard Curve



Assay Class: Plant RNA Nano Created: 29.01.2014 15:24:40
 Data Path: C:\...14-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad Modified: 29.01.2014 15:48:34

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		29.01.2014 15:48:32	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN
Run started on port 1 (File: C:\Programme\Agilent\2100 bioanalyzer\2100 expert\data\Shirin\2014-01-29\2014-01-29\2100 expert_Plant RNA Nano_2014-01-29_15-24-41.xad)		Instrument	Run		29.01.2014 15:24:47	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN
Product Number : G2939A		Instrument	Run		29.01.2014 15:24:47	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN
Name :		Instrument	Run		29.01.2014 15:24:47	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN
Vendor : Agilent Technologies		Instrument	Run		29.01.2014 15:24:47	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN
Serial# : DE13805073		Instrument	Run		29.01.2014 15:24:47	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN
Firmware : C.01.069		Instrument	Run		29.01.2014 15:24:47	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN
Cartridge : Electrode		Instrument	Run		29.01.2014 15:24:47	(GMT +01:00) Westeuropäisch e Normalzeit	AG J.de Meaux	AGI2100BIOAN