

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096482.D
 Acq On : 5 Jul 2017 14:26
 Operator : SJ/MA
 Sample : I3908-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 05 16:40:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

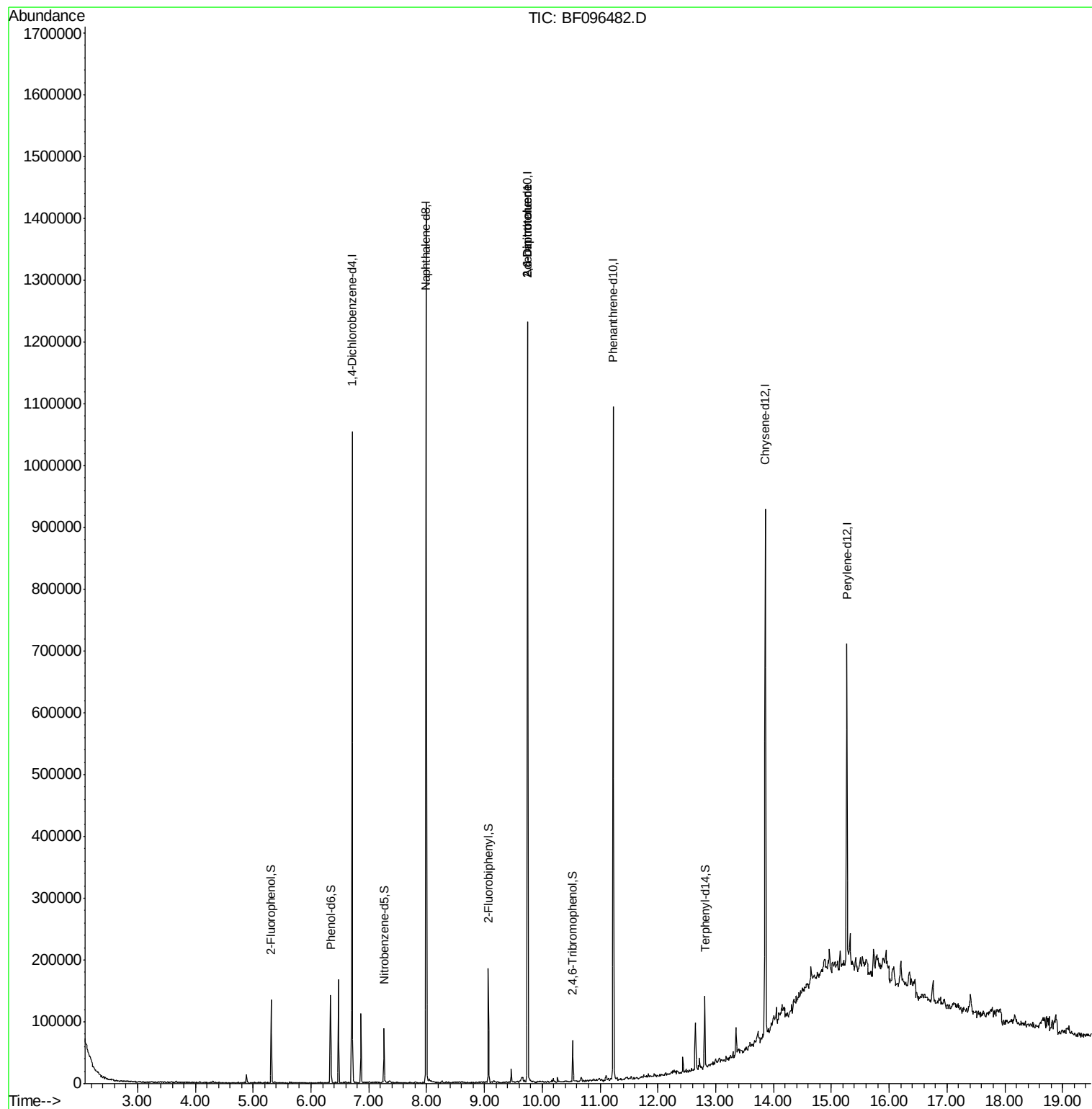
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	143786	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	585362	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	239642	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	358180	20.00	ng	0.00
75) Chrysene-d12	13.86	240	274017	20.00	ng	-0.01
86) Perylene-d12	15.27	264	217148	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	34808	3.57	ng	-0.01
7) Phenol-d6	6.34	99	44120	3.68	ng	-0.02
23) Nitrobenzene-d5	7.26	82	23387	2.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	7103	3.79	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	50966	3.64	ng	-0.01
78) Terphenyl-d14	12.81	244	31614	2.47	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	9.75	165	29410	7.43	ng	# 33
56) 2,4-Dinitrotoluene	9.75	165	29410	5.87	ng	# 33

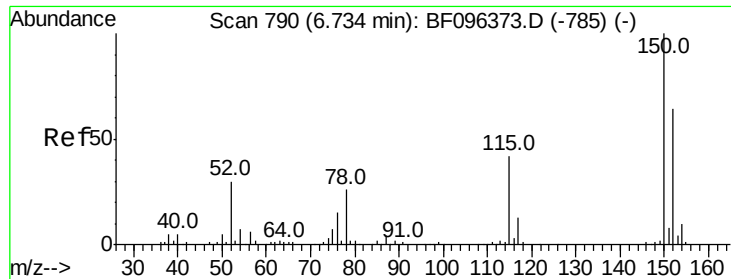
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF096482.D

Acq: 5 Jul 2017 14:26

Instrument :

BNA_F

ClientSampleId :

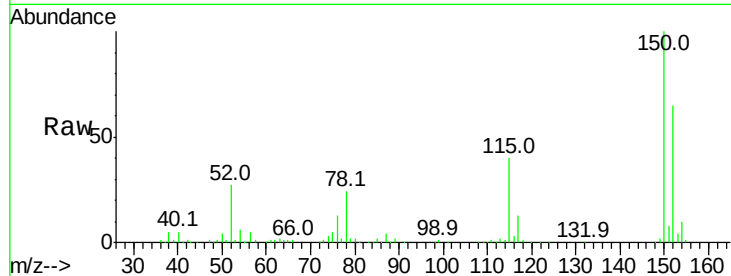
Tot Ion:152 Resp: 143786

Ion Ratio Lower Upper

152 100

150 154.7 126.2 189.2

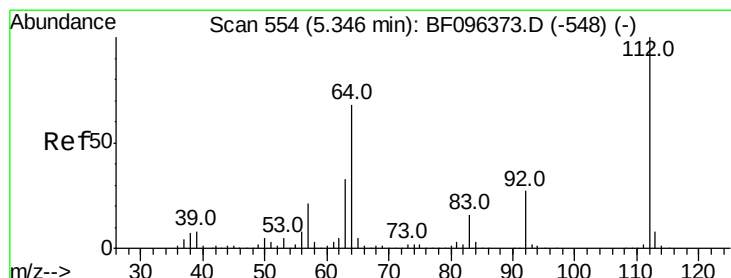
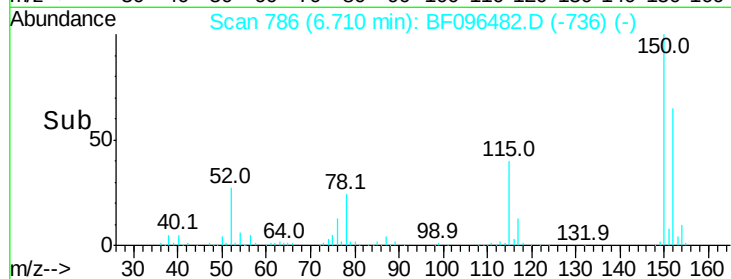
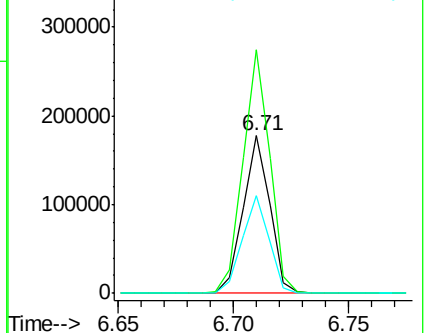
115 62.3 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 3.57 ng

RT: 5.31 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF096482.D

Acq: 5 Jul 2017 14:26

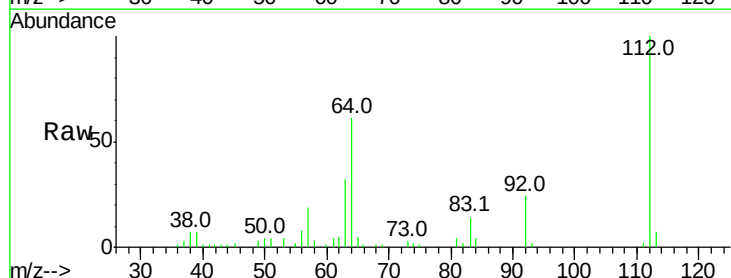
Tgt Ion:112 Resp: 34808

Ion Ratio Lower Upper

112 100

64 61.1 46.0 69.0

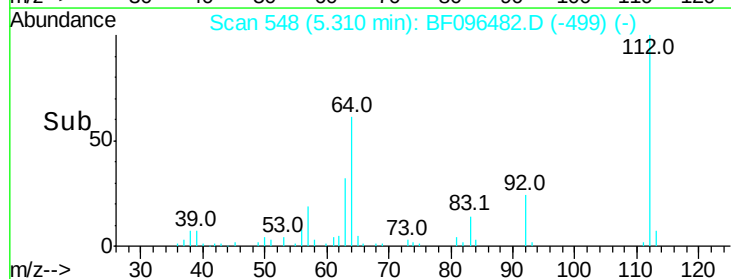
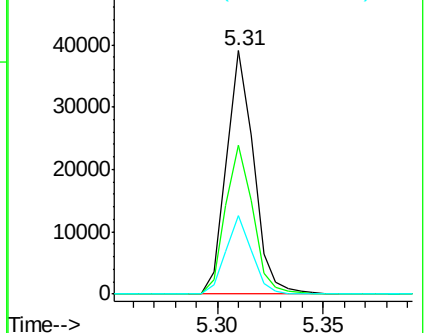
63 32.5 23.4 35.0

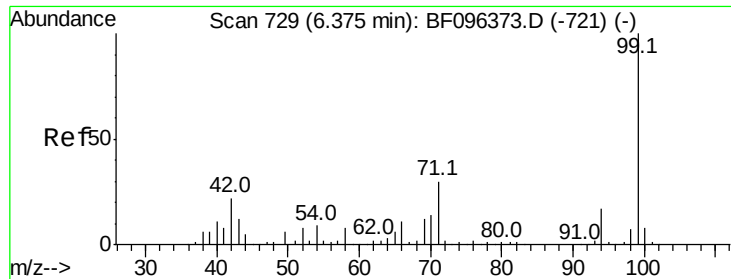


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.68 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096482.D

Acq: 5 Jul 2017 14:26

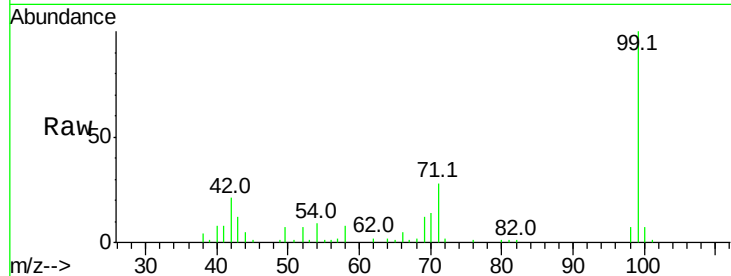
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 44120

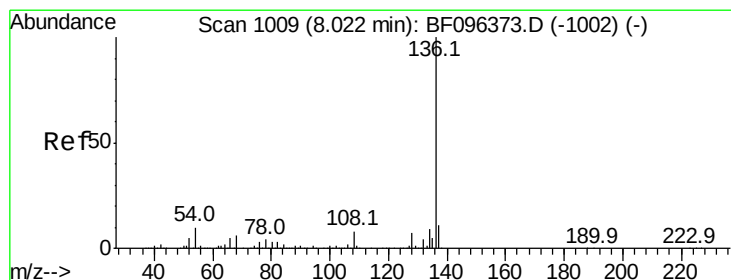
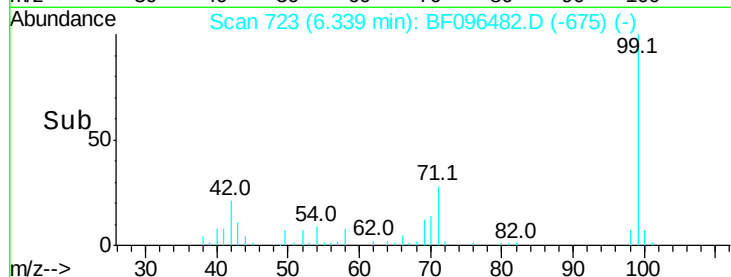
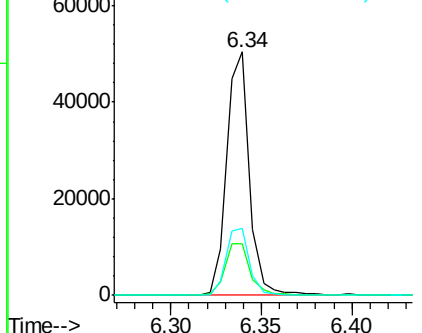
Ion	Ratio	Lower	Upper
99	100		
42	21.4	13.5	20.3#
71	27.6	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

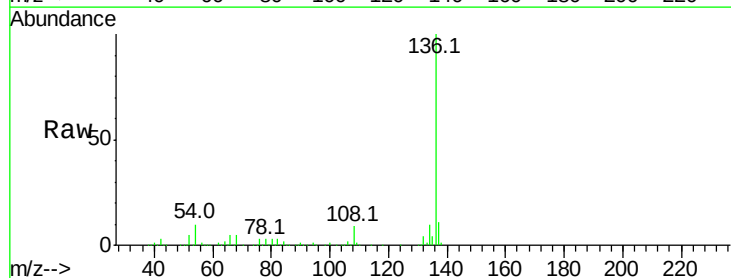
Delta R.T. -0.01 min

Lab File: BF096482.D

Acq: 5 Jul 2017 14:26

Tgt Ion: 136 Resp: 585362

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.1	4.9	7.3#
68	5.0	4.1	6.1

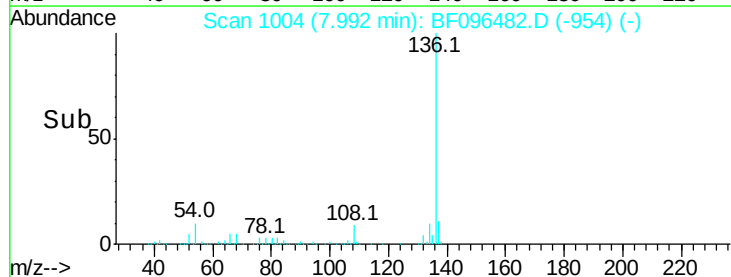
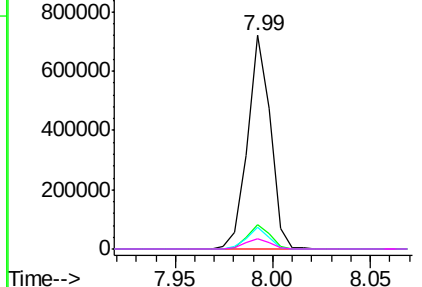


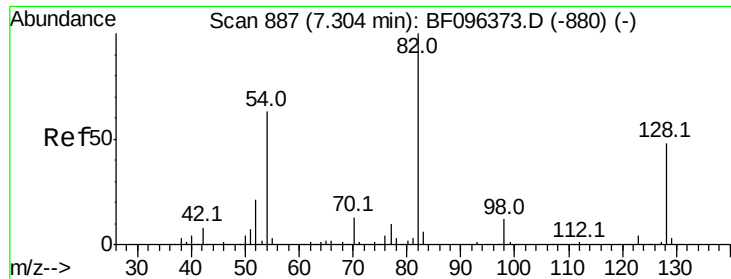
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

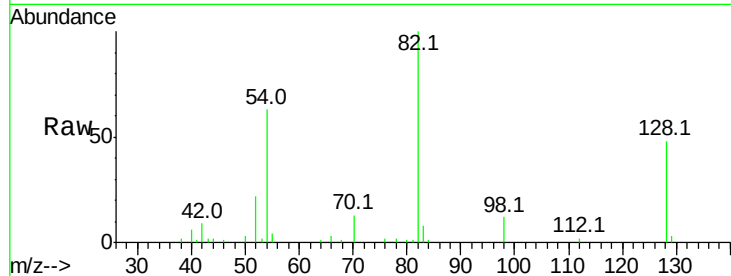




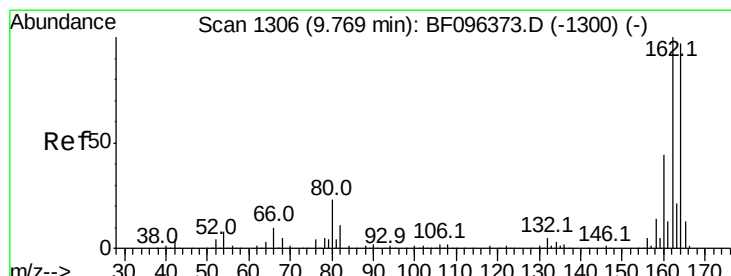
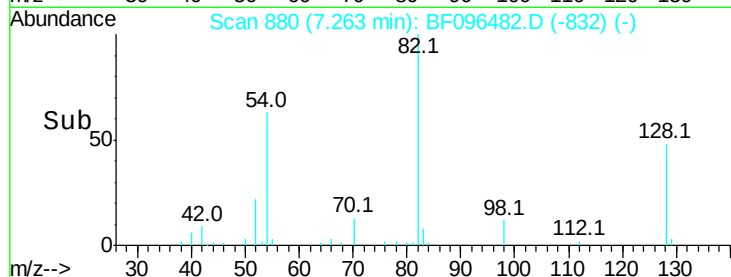
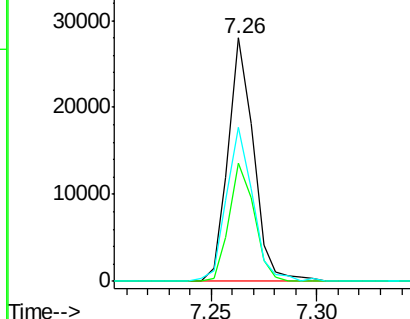
#23
Nitrobenzene-d5
Concen: 2.40 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF096482.D
Acq: 5 Jul 2017 14:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 23387
Ion Ratio Lower Upper
82 100
128 48.5 34.0 51.0
54 63.5 42.2 63.2#

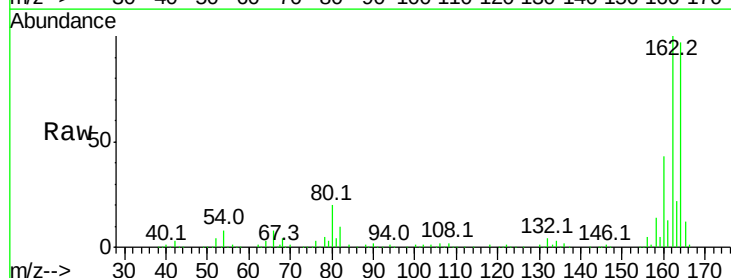


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

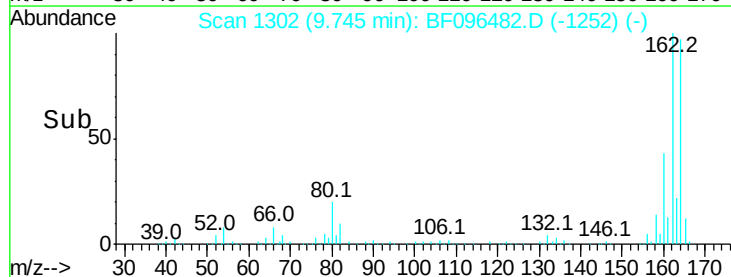
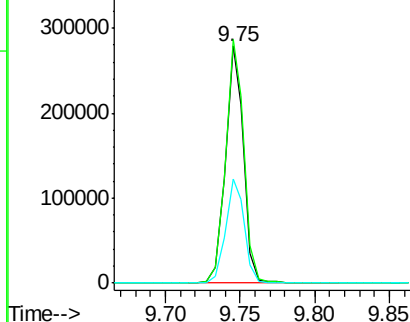


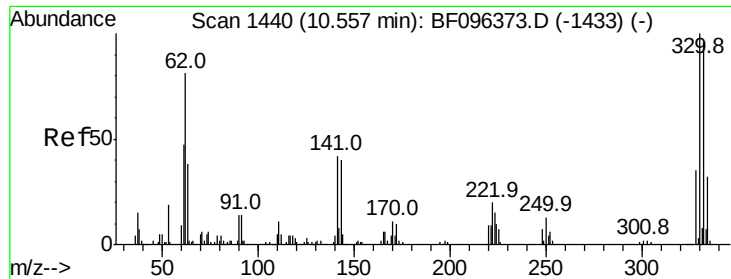
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF096482.D
Acq: 5 Jul 2017 14:26

Tgt Ion:164 Resp: 239642
Ion Ratio Lower Upper
164 100
162 102.9 82.6 123.8
160 44.0 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

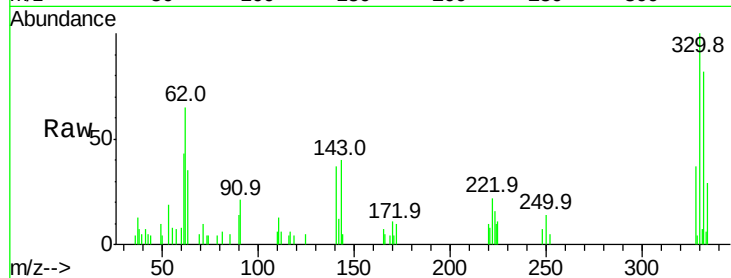




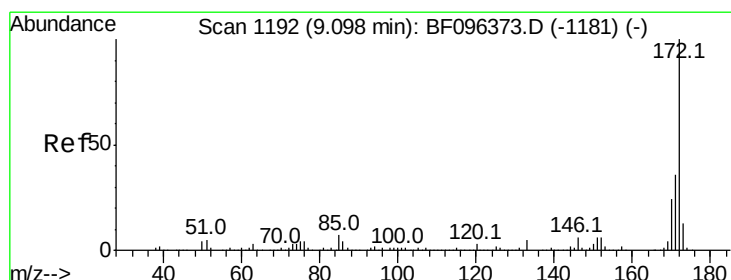
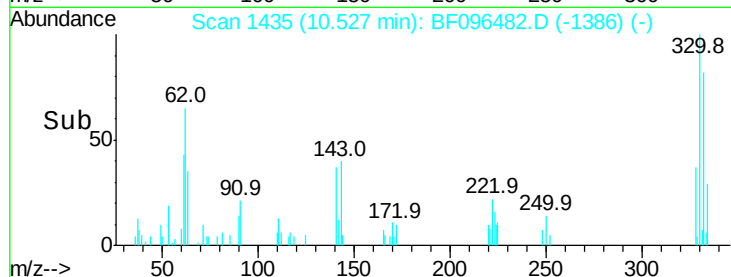
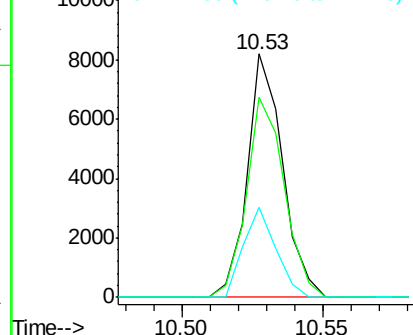
#41
 2,4,6-Tribromophenol
 Concen: 3.79 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF096482.D
 Acq: 5 Jul 2017 14:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 7103
 Ion Ratio Lower Upper
 330 100
 332 87.8 76.6 115.0
 141 34.0 31.4 47.2

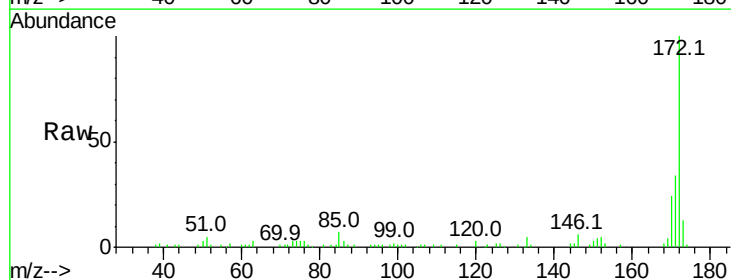


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

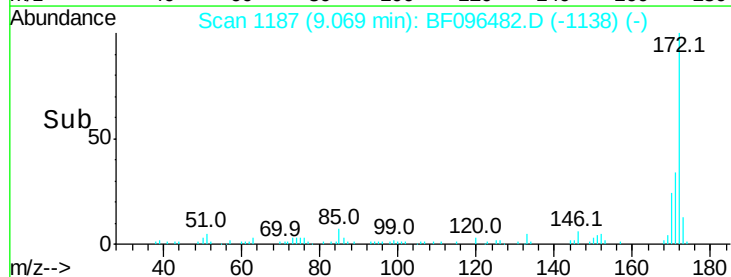
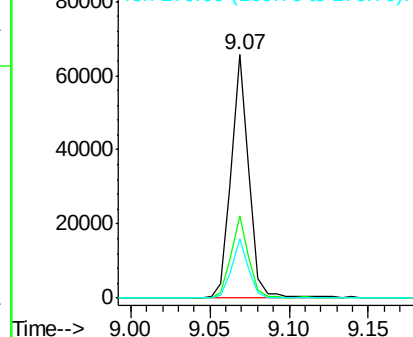


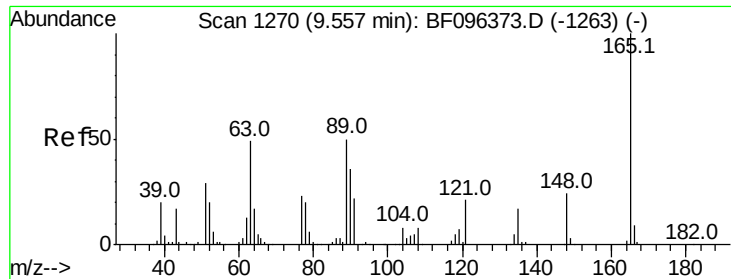
#44
 2-Fluorobiphenyl
 Concen: 3.64 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF096482.D
 Acq: 5 Jul 2017 14:26

Tgt Ion:172 Resp: 50966
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.6 44.4
 170 24.5 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

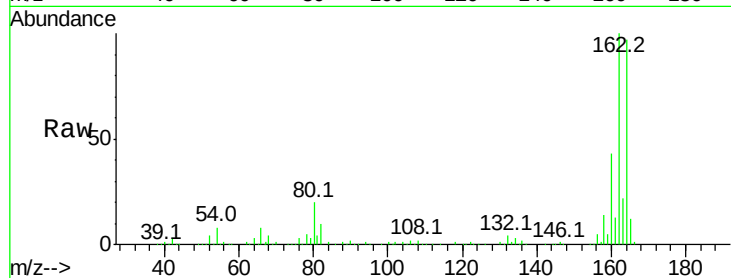




#50
 2,6-Dinitrotoluene
 Concen: 7.43 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.21 min
 Lab File: BF096482.D
 Acq: 5 Jul 2017 14:26

Instrument :
 BNA_F
 ClientSampleId :

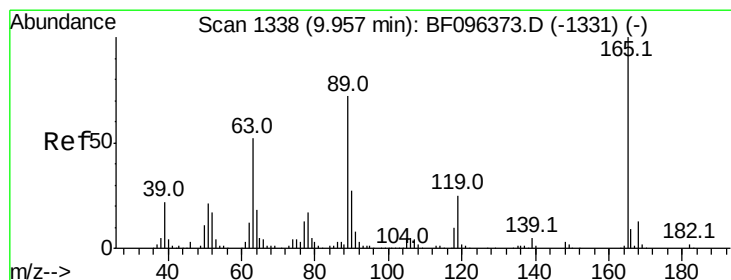
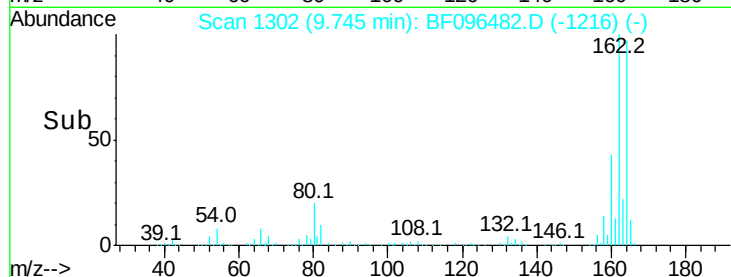
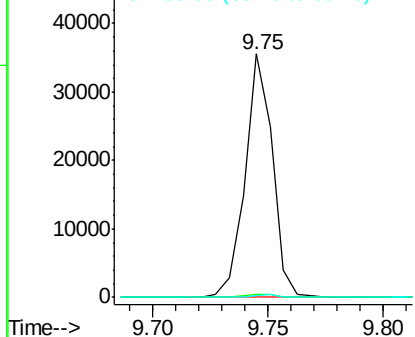
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	0.9	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

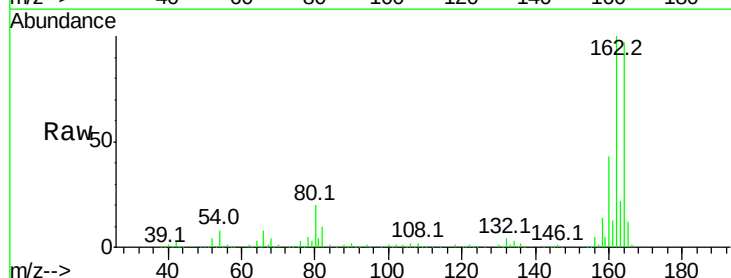
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.87 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.19 min
 Lab File: BF096482.D
 Acq: 5 Jul 2017 14:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	0.9	46.4	69.6#
182	0.0	1.8	2.6#

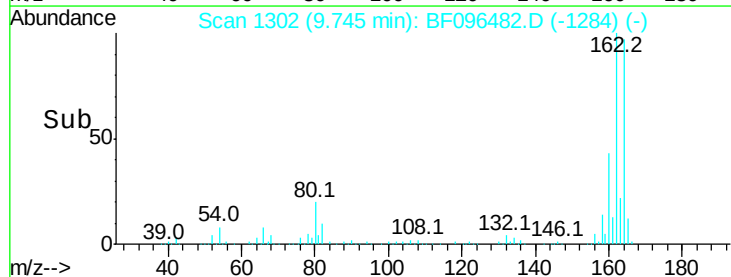
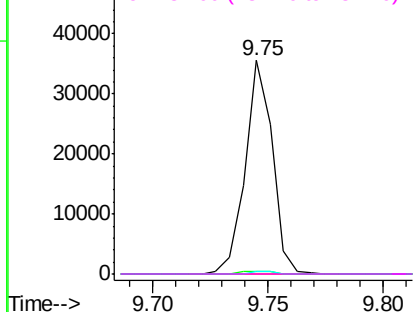


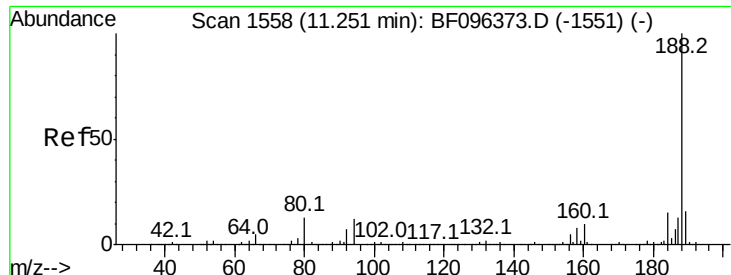
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

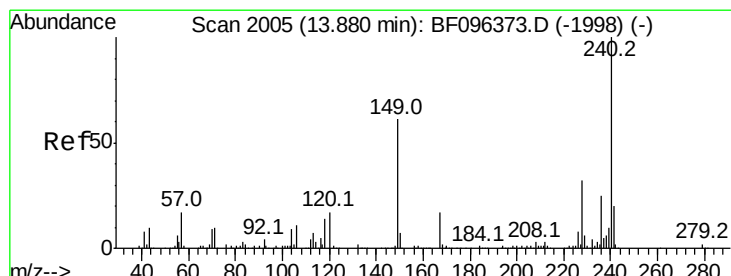
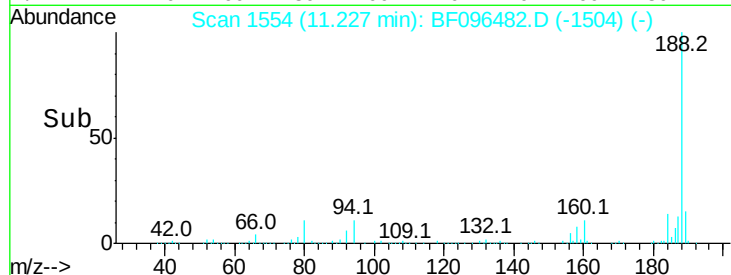
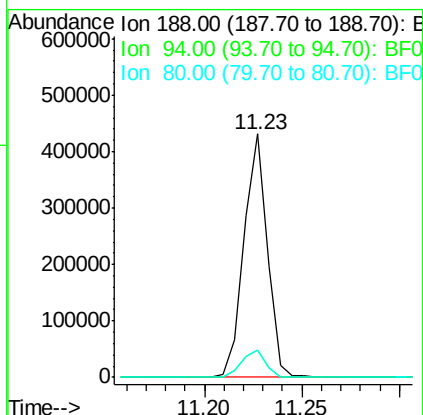
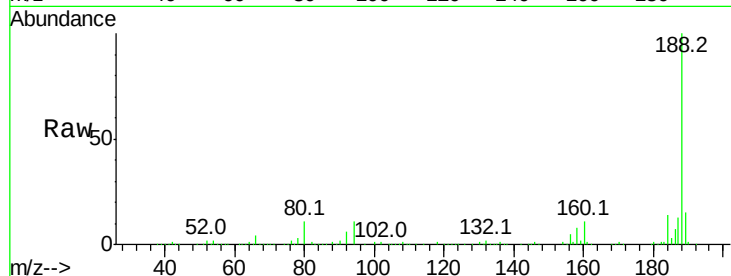




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096482.D
Acq: 5 Jul 2017 14:26

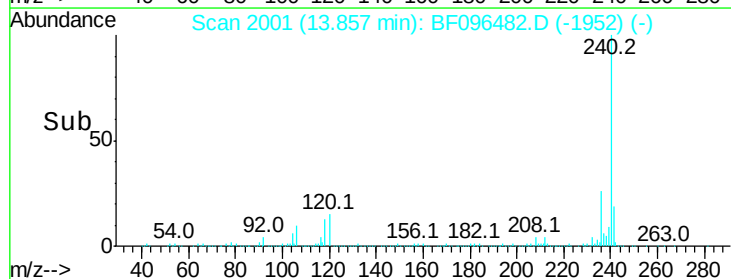
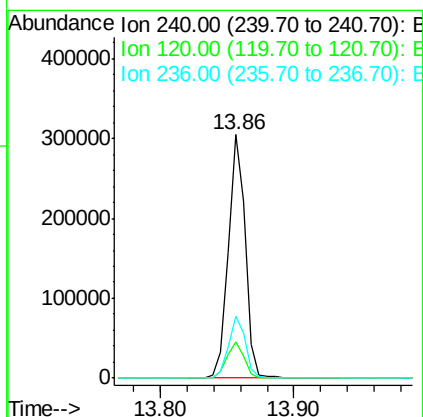
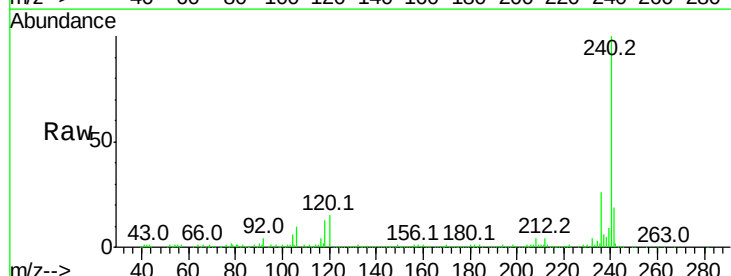
Instrument :
BNA_F
ClientSampleID :

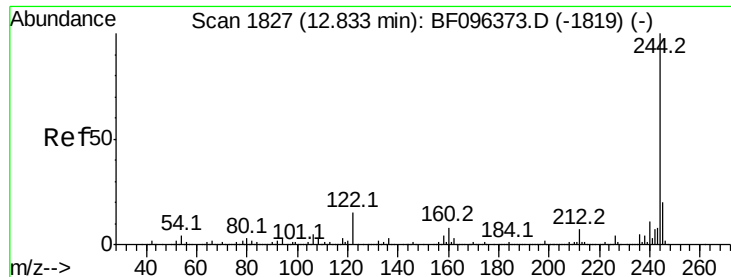
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.4	10.2	15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096482.D
Acq: 5 Jul 2017 14:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.6	20.5	30.7

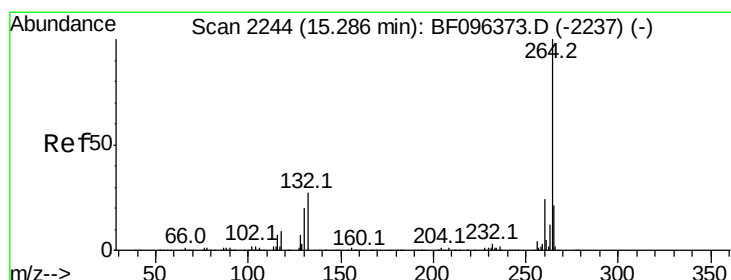
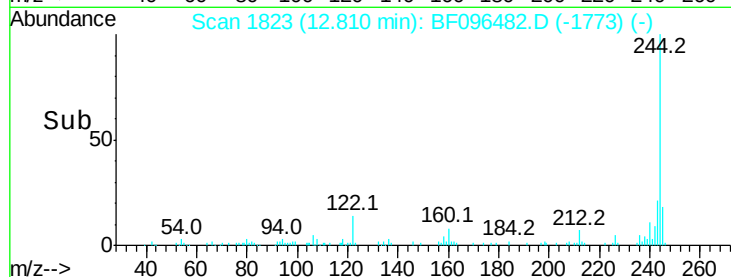
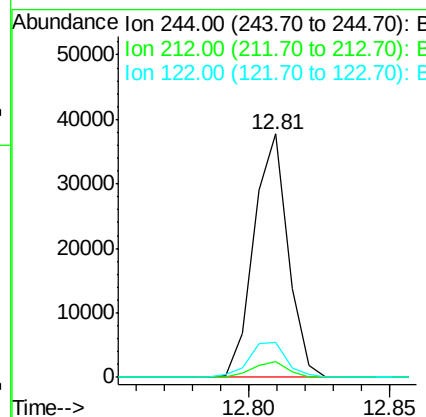
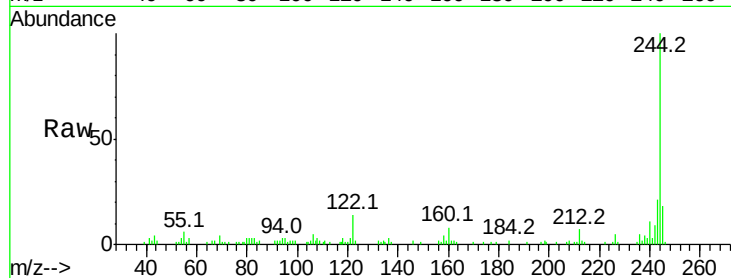




#78
 Terphenyl-d14
 Concen: 2.47 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF096482.D
 Acq: 5 Jul 2017 14:26

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 31614
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 14.4 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF096482.D
 Acq: 5 Jul 2017 14:26

Tgt Ion:264 Resp: 217148
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 21.2 17.2 25.8

