

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087841.D
 Acq On : 9 Jun 2016 8:42
 Operator : UM/SJ
 Sample : H3446-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616

Quant Time: Jun 09 14:31:02 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

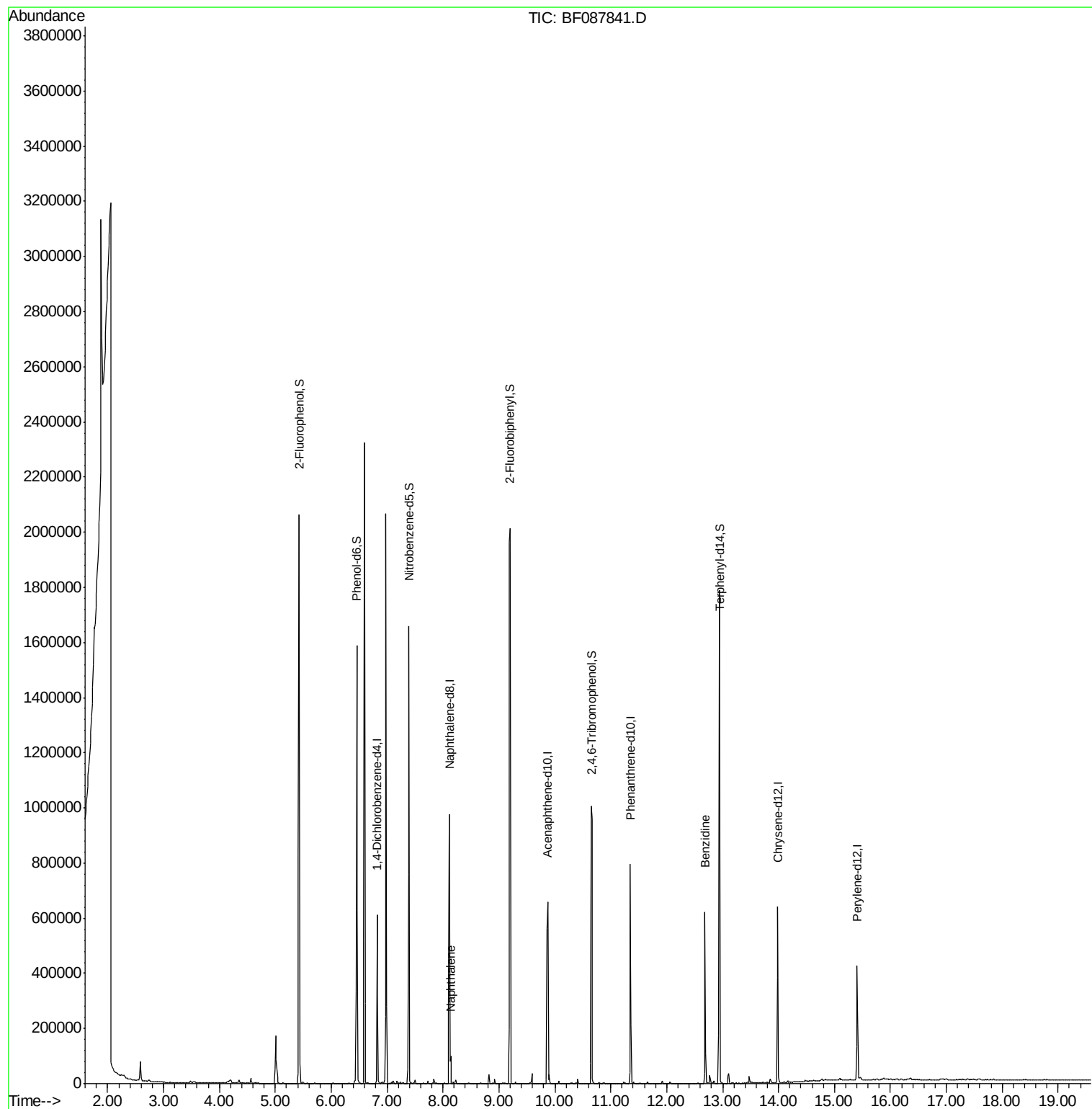
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	112077	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	445811	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	184998	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	289743	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	261863	20.00	ng	0.00
86) Perylene-d12	15.41	264	194607	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	612045	93.36	ng	0.00
7) Phenol-d6	6.46	99	679373	85.51	ng	-0.02
23) Nitrobenzene-d5	7.39	82	593576	77.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	203449	104.15	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1020605	86.78	ng	-0.01
78) Terphenyl-d14	12.95	244	820103	71.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.14	128	58617	2.66	ng	97
76) Benzidine	12.69	184	227784	31.42	ng	98

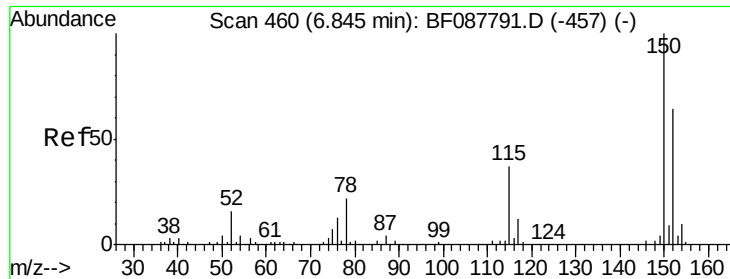
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616

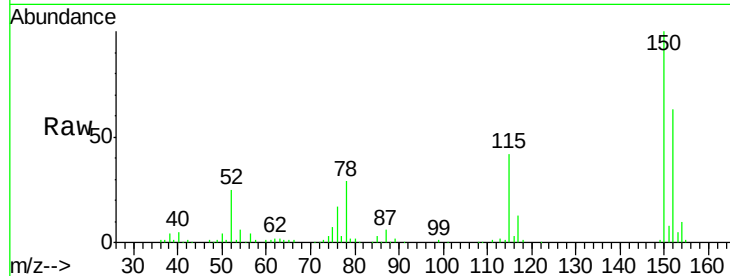
Tot Ion:152 Resp: 112077

Ion Ratio Lower Upper

152 100

150 158.5 123.8 185.6

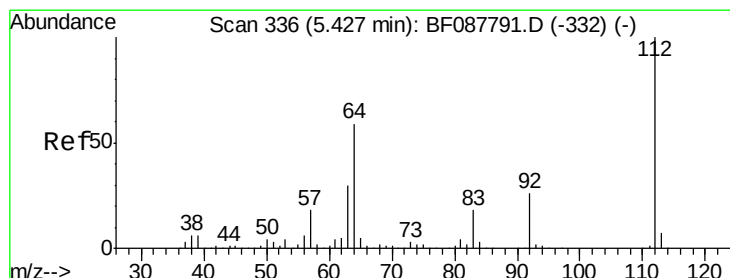
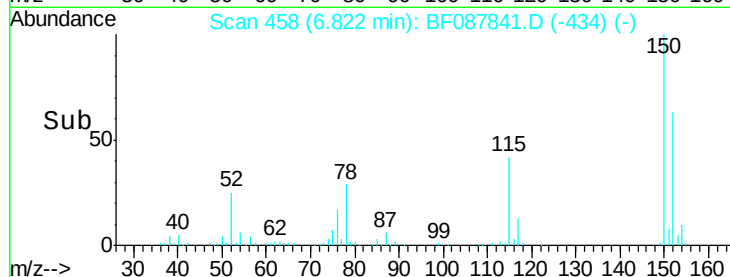
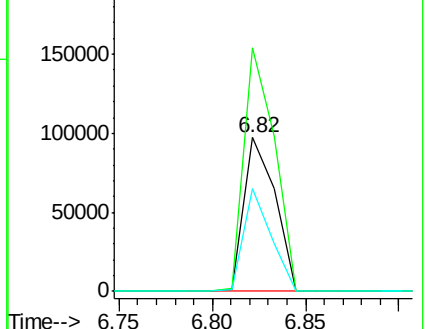
115 66.9 39.6 59.4#



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: 93.36 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.00 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

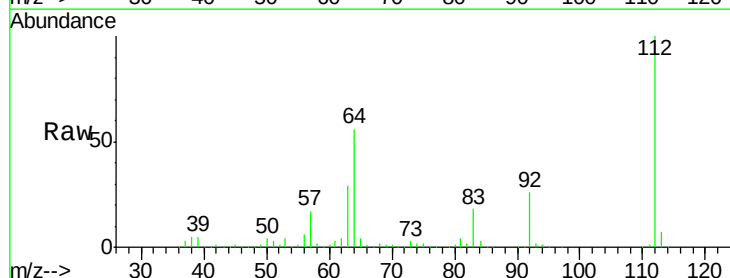
Tgt Ion:112 Resp: 612045

Ion Ratio Lower Upper

112 100

64 55.6 42.2 63.2

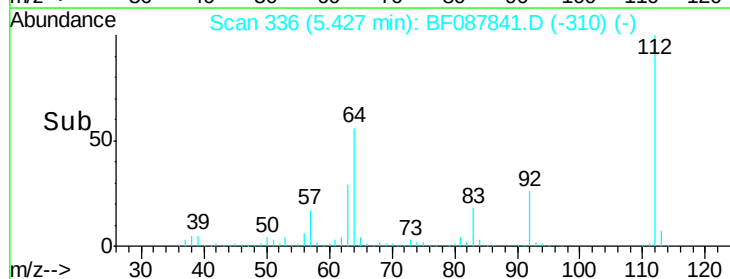
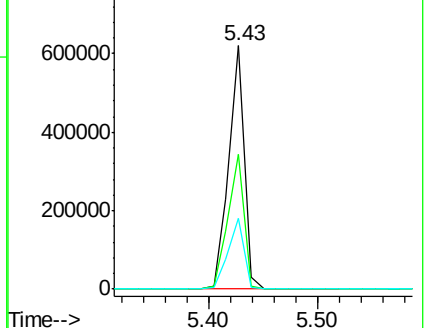
63 28.9 21.8 32.8

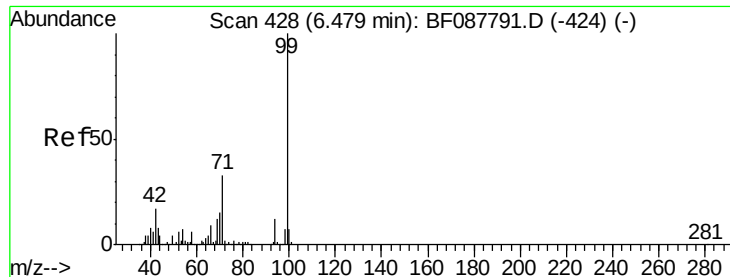


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.51 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616

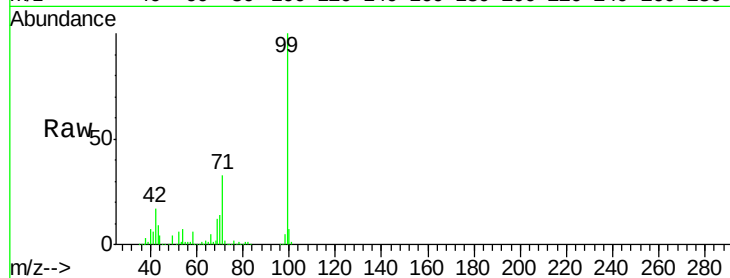
Tot Ion: 99 Resp: 679373

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

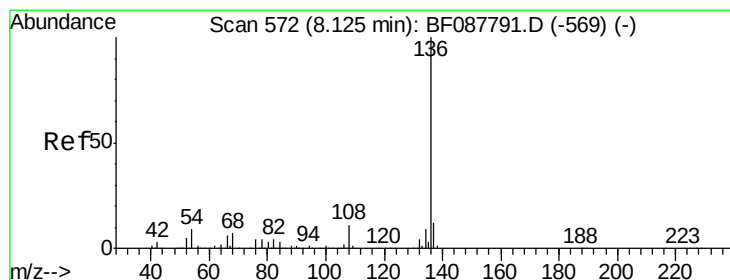
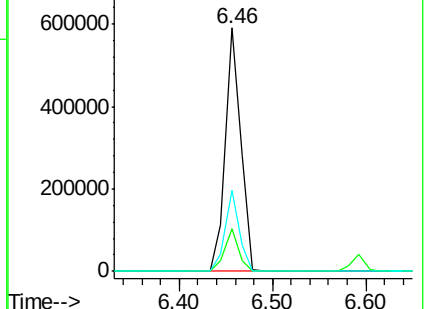
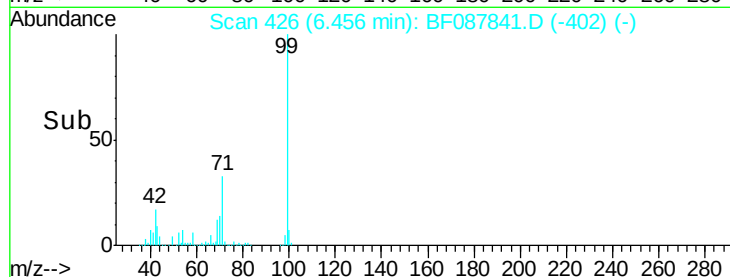
71 33.2 23.4 35.0



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: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Tgt Ion: 136 Resp: 445811

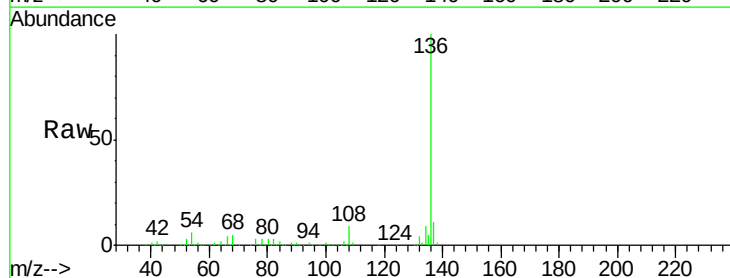
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.1 6.6 10.0#

68 5.3 5.1 7.7

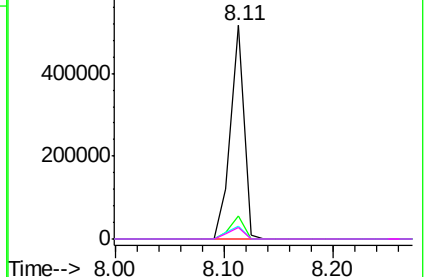
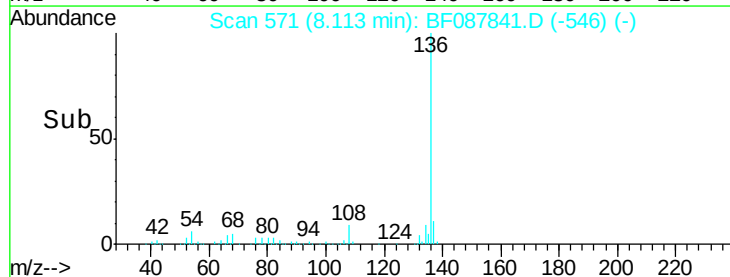


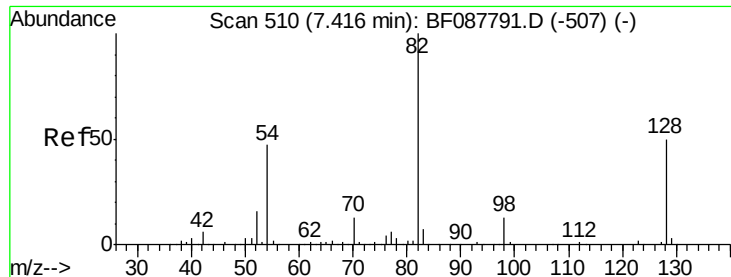
Abundance Ion 136.00 (135.70 to 136.70): E

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

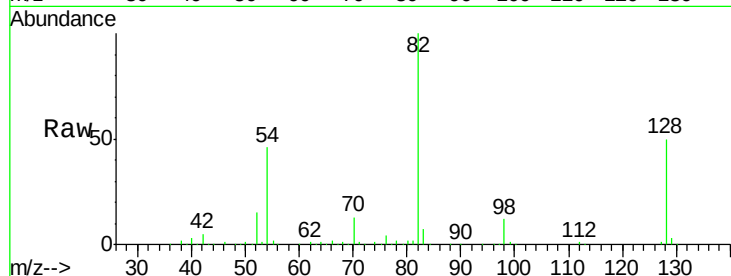




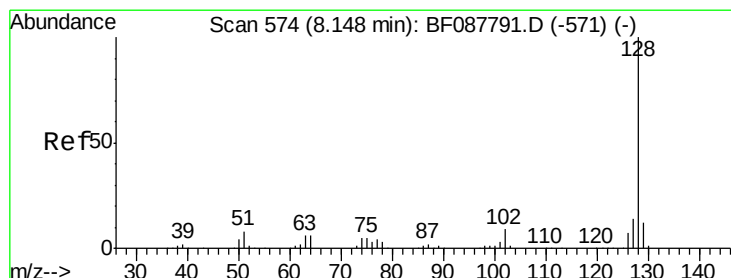
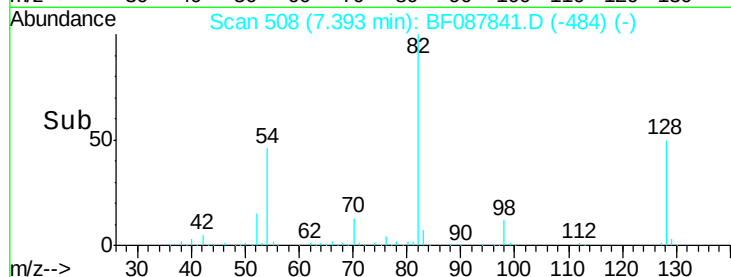
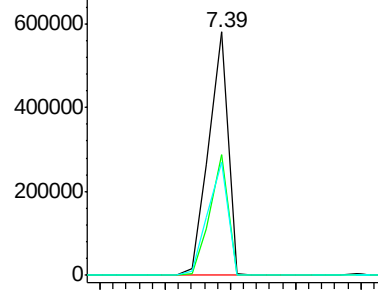
#23
Nitrobenzene-d5
Concen: 77.75 na
RT: 7.39 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616

Tot Ion	82	Resp	593576
Ion Ratio	100	Lower	Upper
128	49.6	35.9	53.9
54	46.5	40.9	61.3

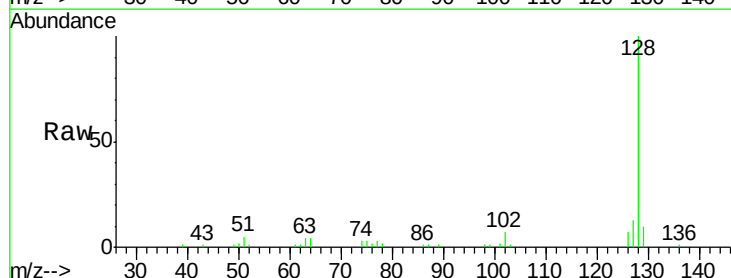


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

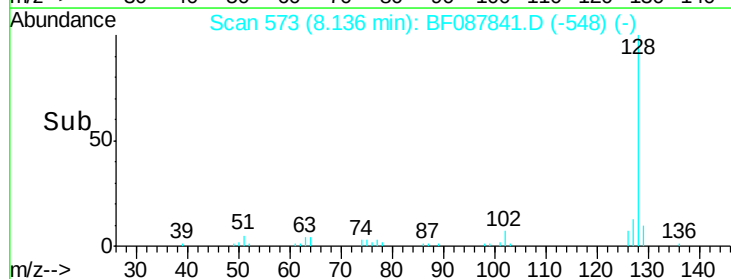
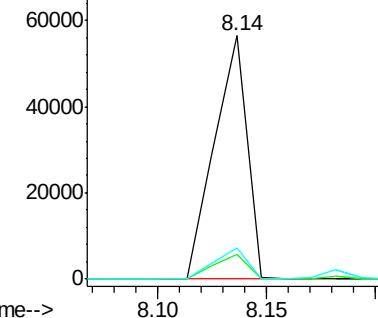


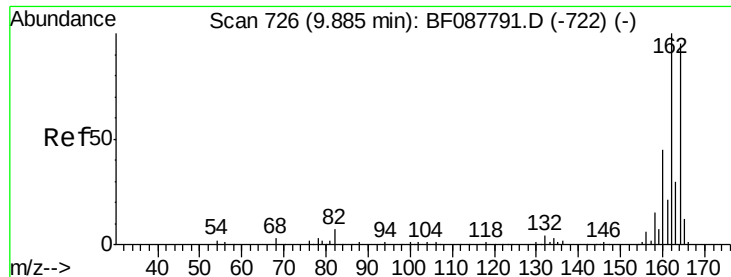
#31
Naphthalene
Concen: 2.66 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Tgt Ion	128	Resp	58617
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	10.2	9.4	14.2
127	13.0	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616

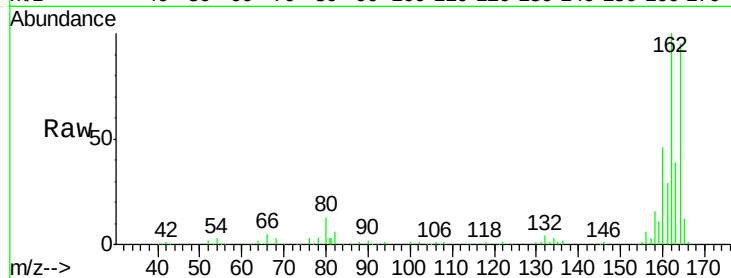
Tot Ion:164 Resp: 184998

Ion Ratio Lower Upper

164 100

162 105.2 85.4 128.2

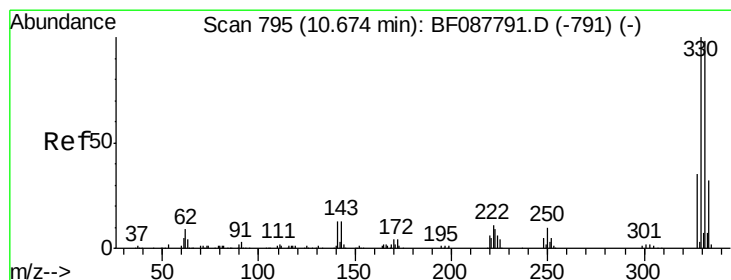
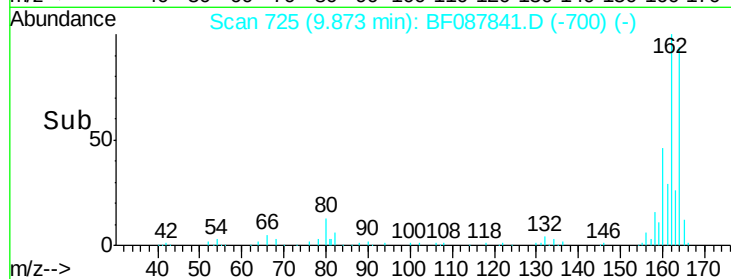
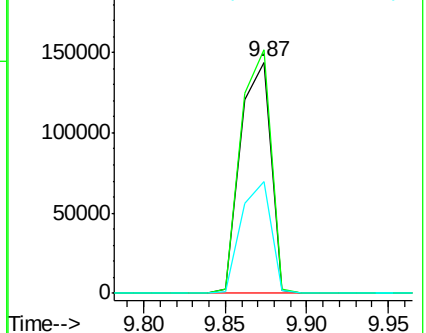
160 48.6 39.5 59.3



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: 104.15 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

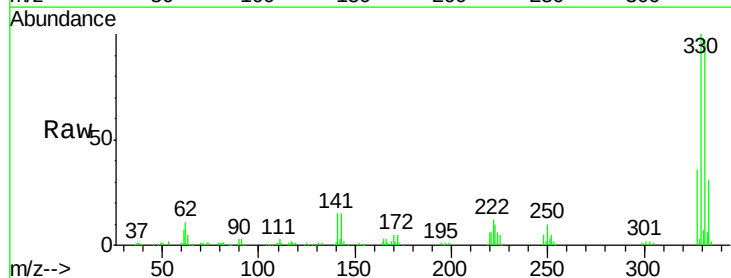
Tgt Ion:330 Resp: 203449

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

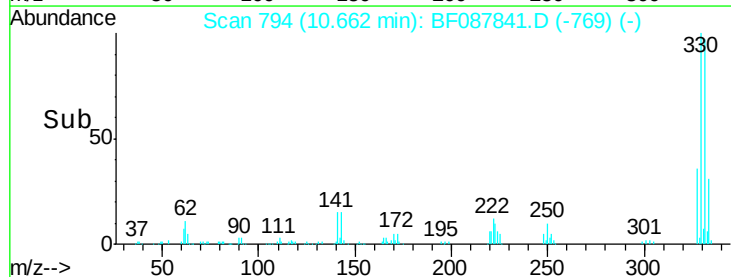
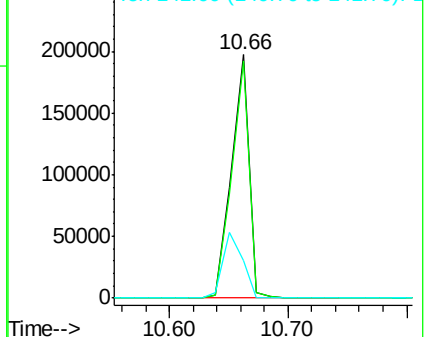
141 29.8 0.0 0.0#

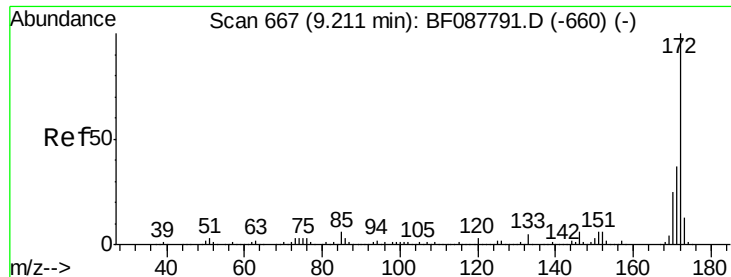


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



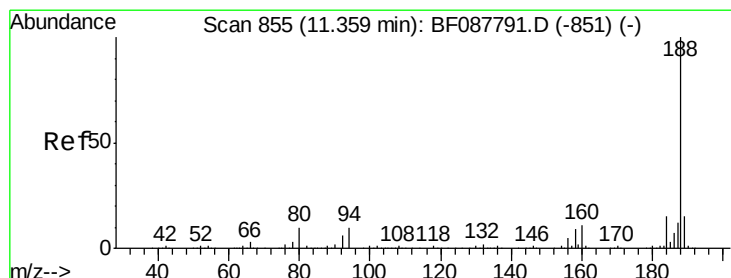
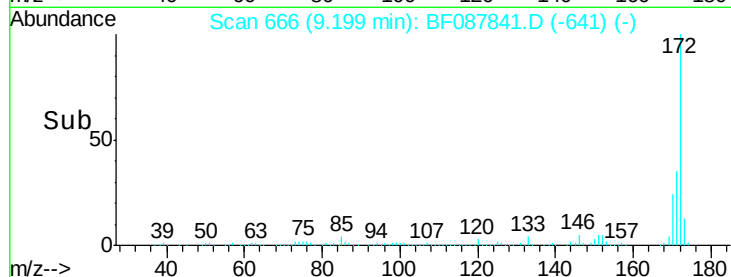
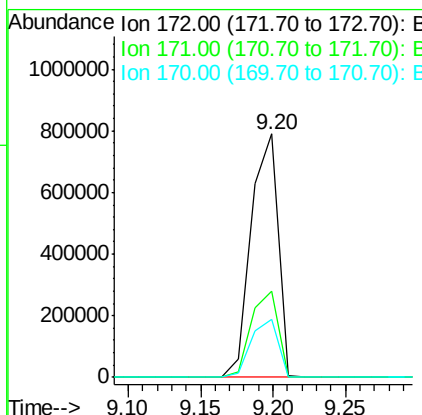
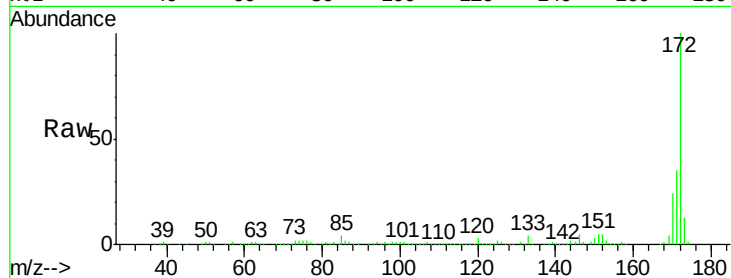


#44
 2-Fluorobiphenyl
 Concen: 86.78 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616

Tot Ion:172 Resp: 1020605

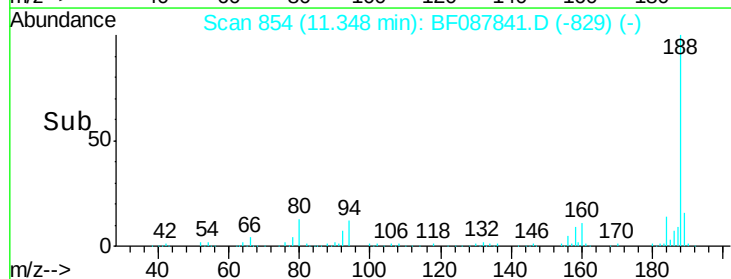
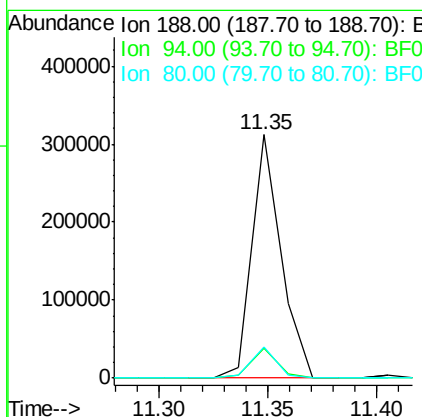
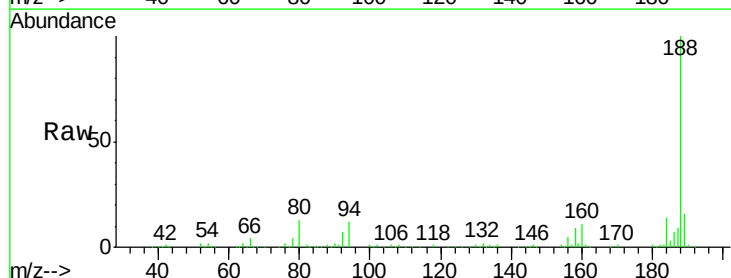
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.0	19.2	28.8

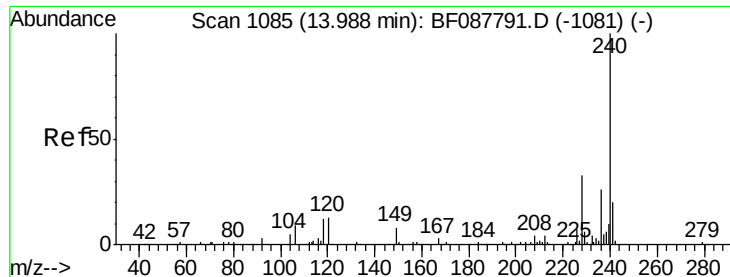


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Tgt Ion:188 Resp: 289743

Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.0	13.6
80	12.9	10.0	15.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616

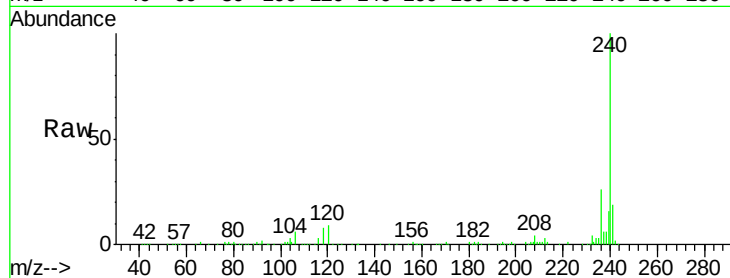
Tot Ion:240 Resp: 261863

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

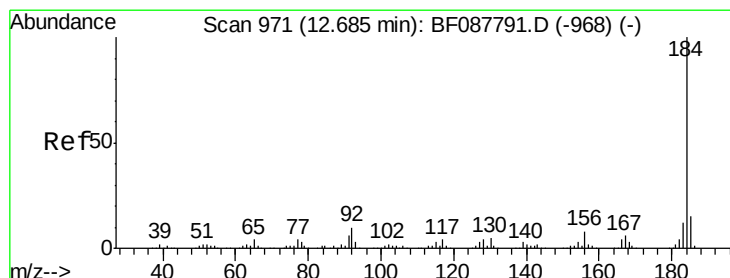
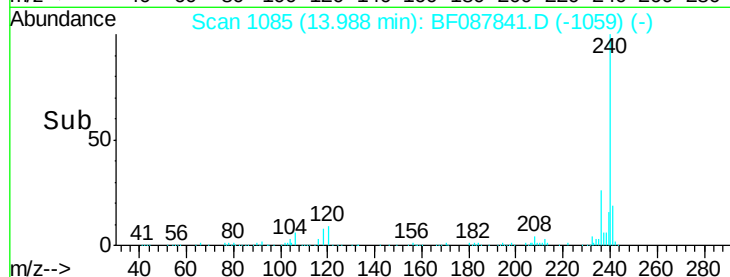
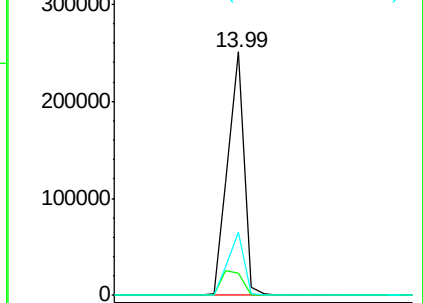
236 25.9 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 31.42 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.00 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

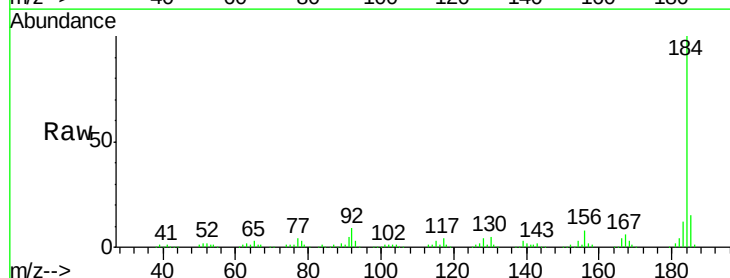
Tgt Ion:184 Resp: 227784

Ion Ratio Lower Upper

184 100

185 14.5 12.5 18.7

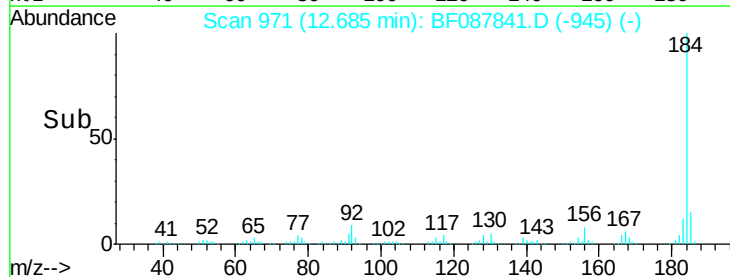
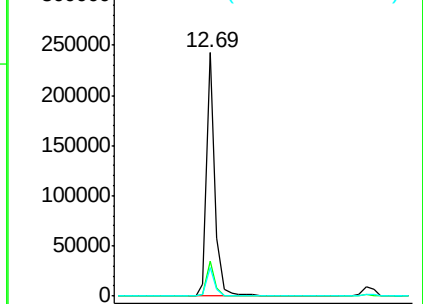
183 11.7 9.3 13.9

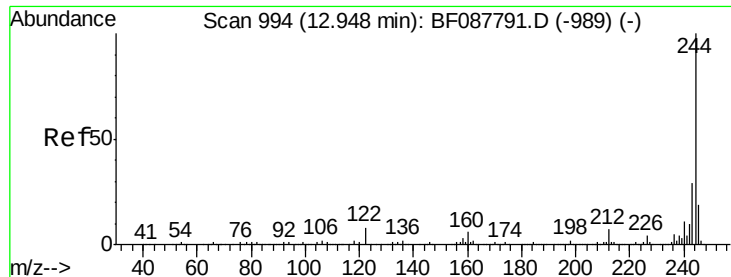


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

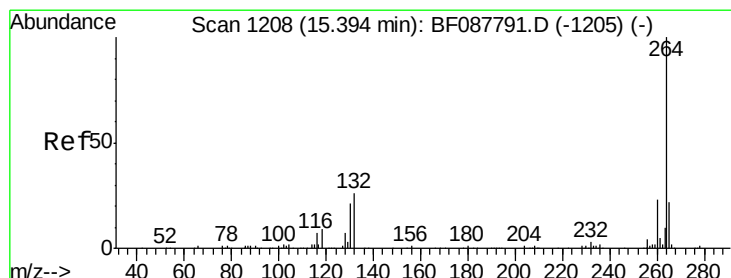
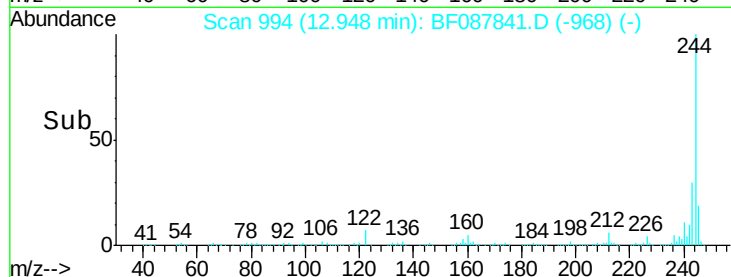
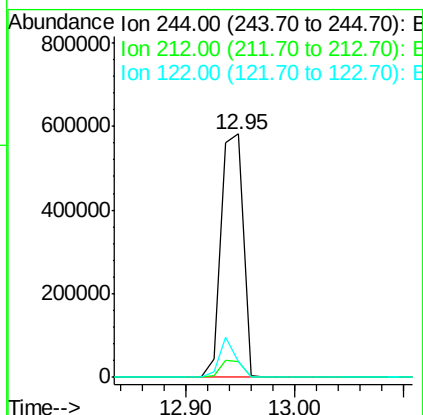
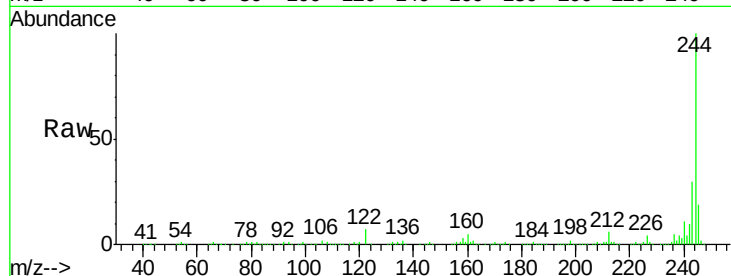




#78
 Terphenyl-d14
 Concen: 71.27 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616

Tot Ion:244 Resp: 820103
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 6.7 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Tgt Ion:264 Resp: 194607
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.7 16.9 25.3

