

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096914.D
 Acq On : 13 Jul 2018 19:44
 Operator : SJ/JU
 Sample : J3170-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 23:06:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 17:02:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2501	0.40	ng	0.01
7) Naphthalene-d8	10.16	136	12187	0.40	ng	0.01
13) Acenaphthene-d10	14.03	164	6690	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	17868	0.40	ng	0.01
27) Chrysene-d12	20.98	240	15957	0.40	ng	0.00
34) Perylene-d12	23.21	264	16549	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	231	0.04	ng	0.01
5) Phenol-d6	6.60	99	178	0.02	ng	0.01
8) Nitrobenzene-d5	8.53	82	3269	0.44	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	7636	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	199	0.25	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	13419	0.55	ng	0.00
25) Fluoranthene-d10	18.81	212	78627	0.50	ng	0.00
29) Terphenyl-d14	19.43	244	17039	0.55	ng	0.00

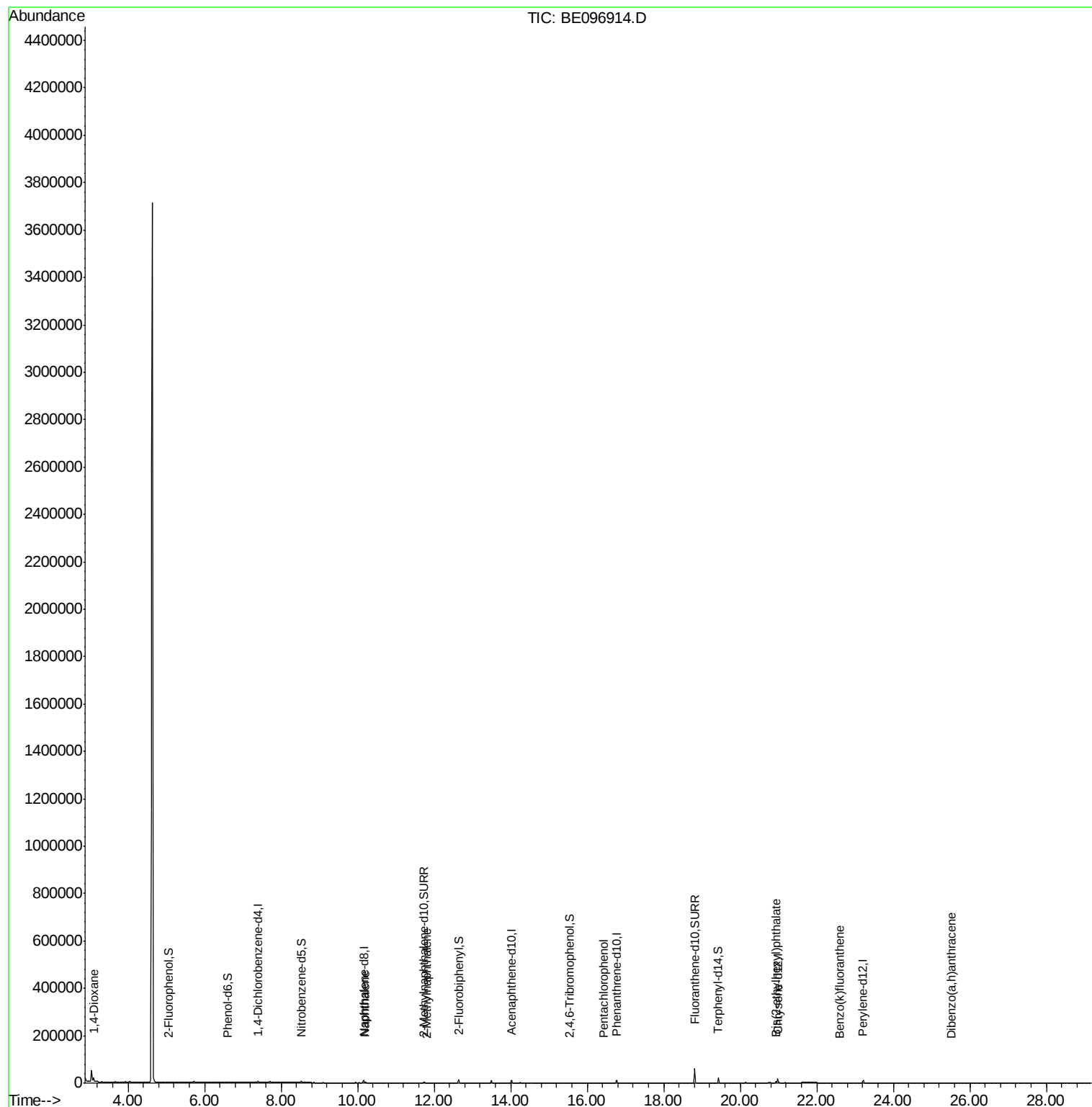
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	8092	2.159	ng	# 90
9) Naphthalene	10.20	128	4613	0.042	ng	# 96
12) 2-Methylnaphthalene	11.81	142	368	0.020	ng	# 91
22) Pentachlorophenol	16.43	266	6	0.039	ng	94
32) Bis(2-ethylhexyl)phthalate	20.93	149	6511	0.206	ng	100
36) Benzo(k)fluoranthene	22.59	252	311	0.088	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	48	0.110	ng	# 1

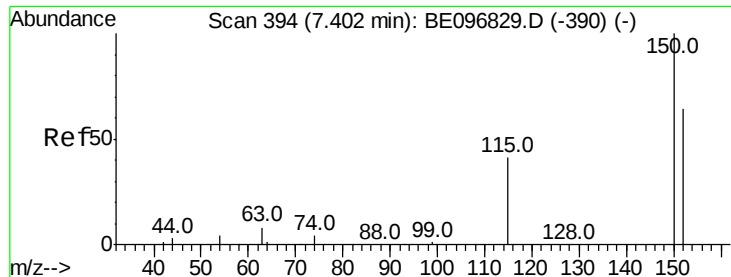
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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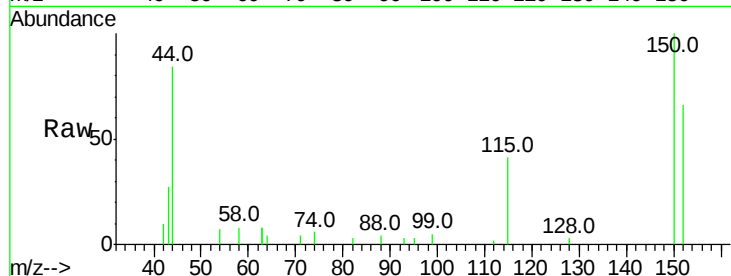


#1

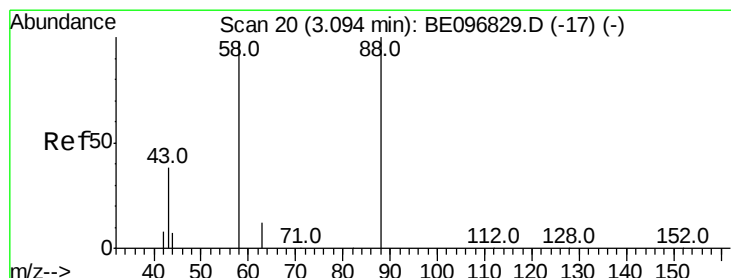
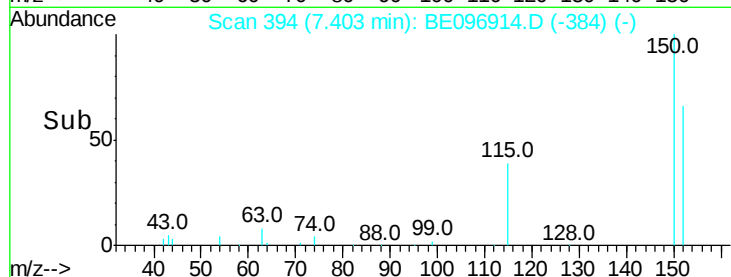
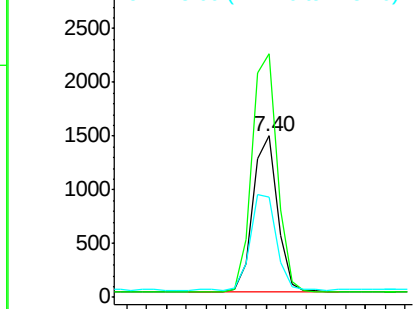
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096914.D
Acq: 13 Jul 2018 19:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2501
Ion Ratio Lower Upper
152 100
150 150.8 117.2 175.8
115 62.0 57.0 85.6



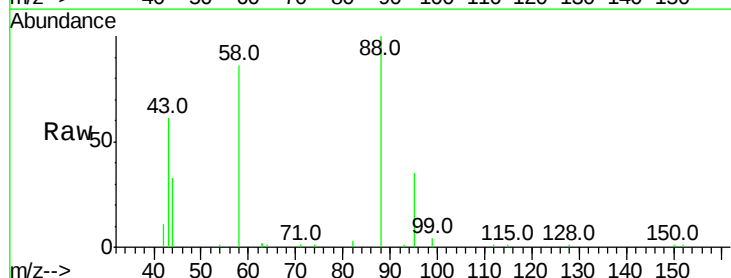
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



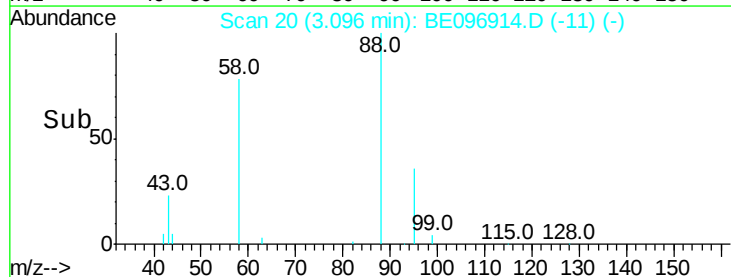
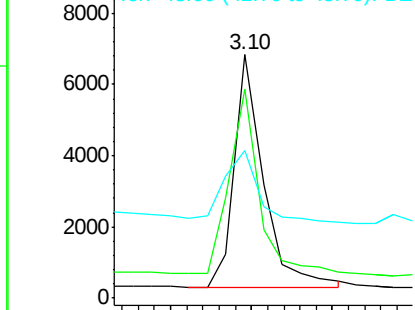
#2

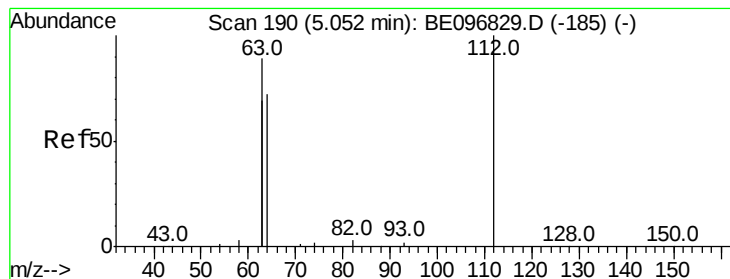
1,4-Dioxane
Concen: 2.159 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096914.D
Acq: 13 Jul 2018 19:44

Tgt Ion: 88 Resp: 8092
Ion Ratio Lower Upper
88 100
58 79.6 63.2 94.8
43 35.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.041 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

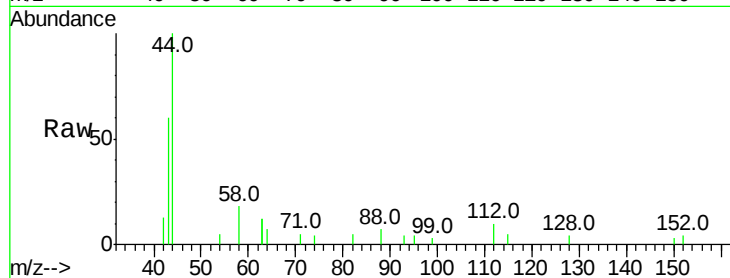
Tot Ion: 112 Resp: 231

Ion Ratio Lower Upper

112 100

64 64.5 60.1 90.1

63 148.5 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->

5.00 5.10

5.07

Time-->

5.00 5.10

5.07

Time-->

5.00 5.10

5.07

Time-->

5.00 5.10

5.07

Time-->

5.00 5.10

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Time-->

5.00 5.10

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5.00 5.10

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5.00 5.10

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5.00 5.10

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5.00 5.10

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5.00 5.10

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5.00 5.10

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5.00 5.10

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5.00 5.10

5.07

Time-->

5.00 5.10

5.07

Time-->

5.00 5.10

5.07

Time-->

5.00 5.10

5.07

Time-->

5.00 5.10

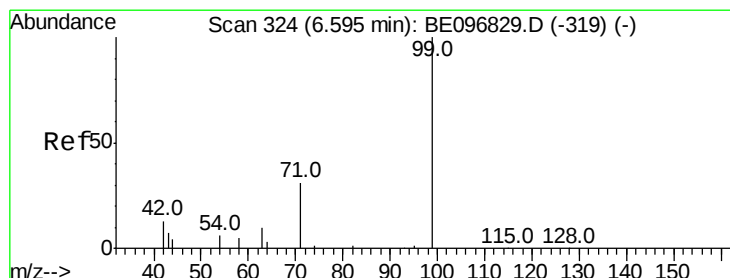
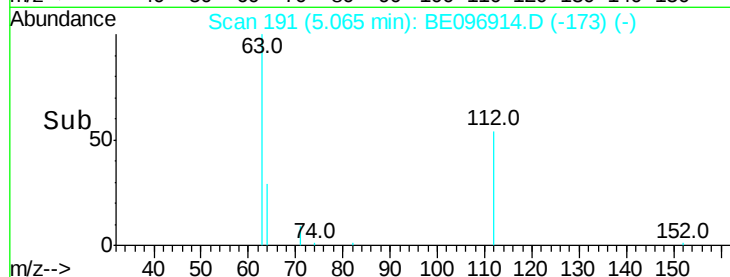
5.07

Time-->

5.00 5.10

5.07

Time-->



#5

Phenol-d6

Concen: 0.021 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

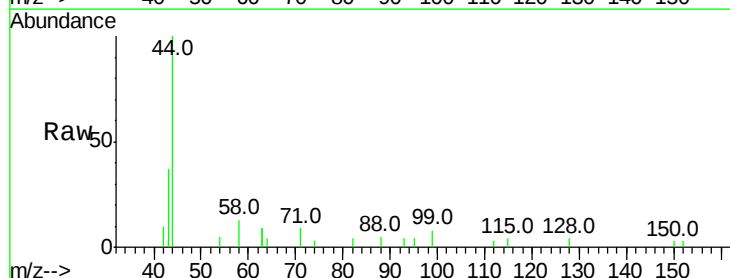
Tgt Ion: 99 Resp: 178

Ion Ratio Lower Upper

99 100

42 56.2 20.2 30.2#

71 97.8 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->

6.50 6.55 6.60 6.65

6.60

Time-->

6.50 6.55 6.60 6.65

6.60

Time-->

6.50 6.55 6.60 6.65

6.60

Time-->

6.50 6.55 6.60 6.65

6.60

Time-->

6.50 6.55 6.60 6.65

6.60

Time-->

6.50 6.55 6.60 6.65

6.60

Time-->

6.50 6.55 6.60 6.65

6.60

Time-->

6.50 6.55 6.60 6.65

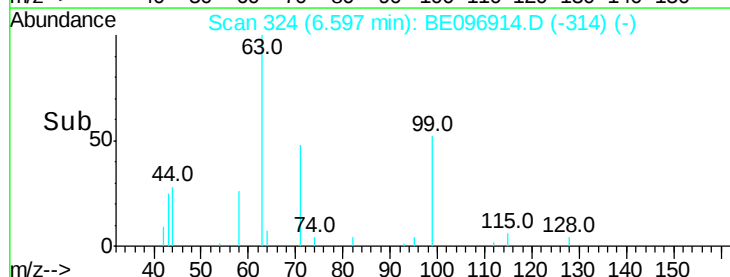
6.60

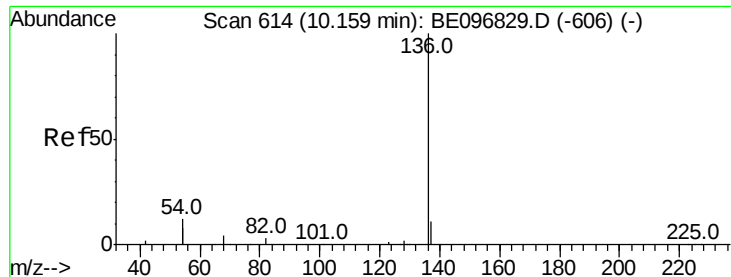
Time-->

6.50 6.55 6.60 6.65

6.60

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.01 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 12187

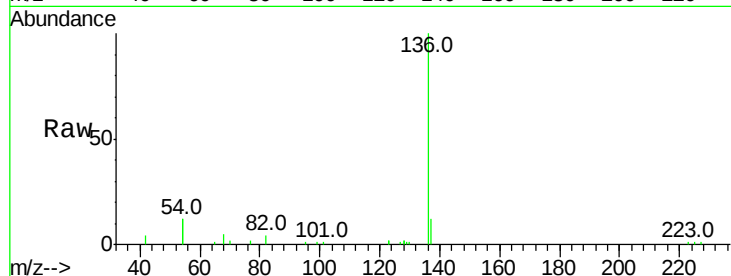
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 23.5 29.1 43.7#

68 4.9 6.2 9.2#

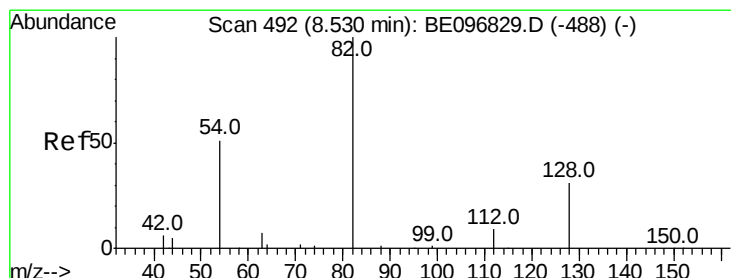
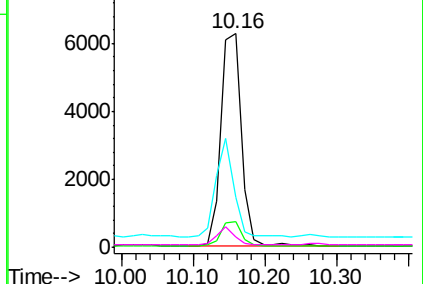
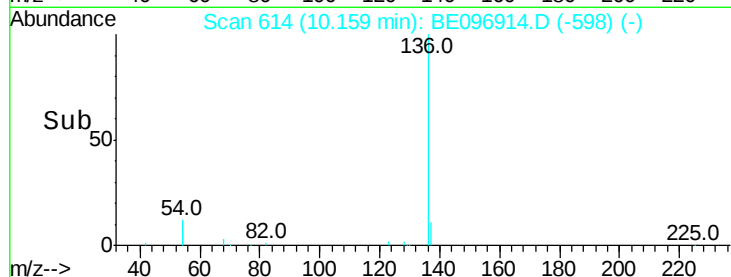


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.443 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

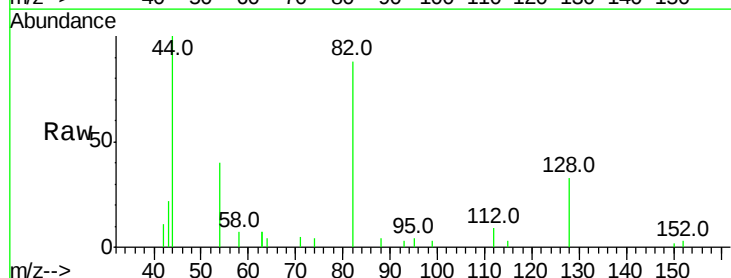
Tgt Ion: 82 Resp: 3269

Ion Ratio Lower Upper

82 100

128 37.7 24.0 36.0#

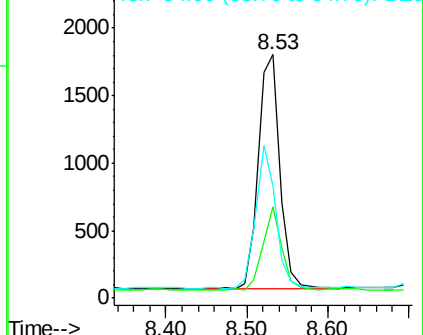
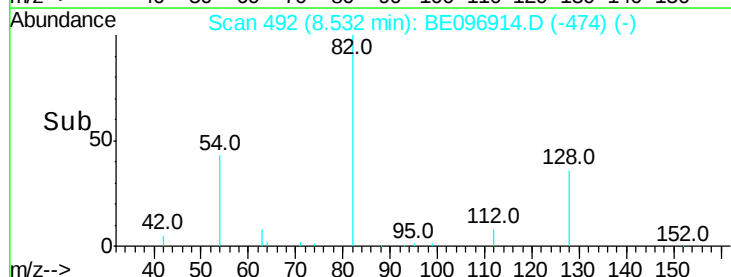
54 45.8 40.0 60.0

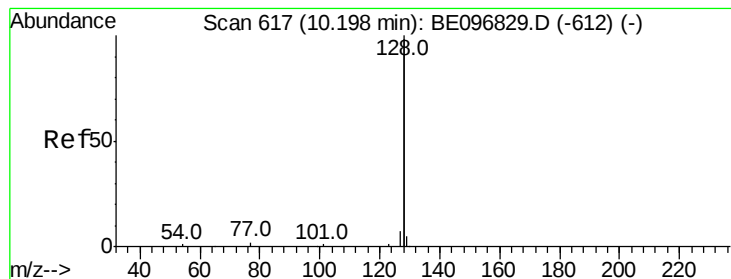


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.042 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

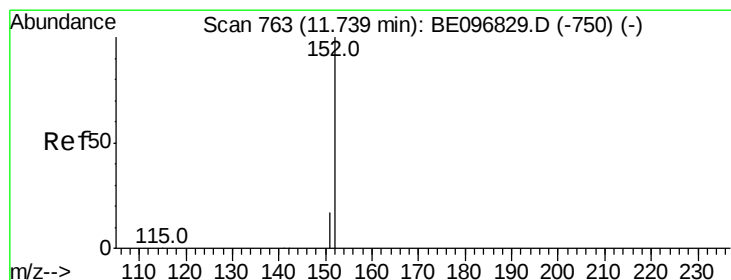
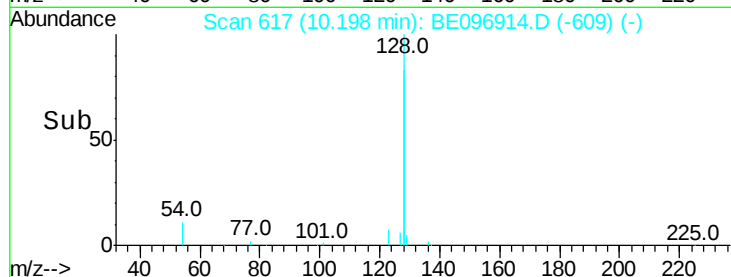
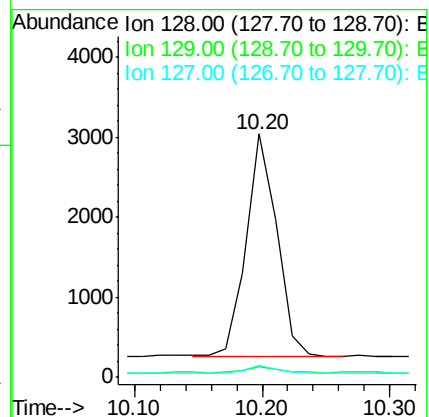
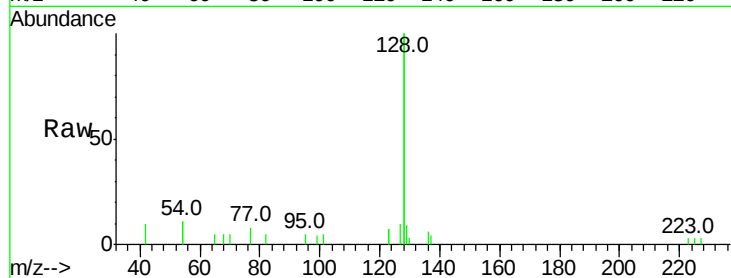
Tot Ion:128 Resp: 4613

Ion Ratio Lower Upper

128 100

129 4.5 2.6 3.8#

127 4.9 2.8 4.2#



#11

2-Methylnaphthalene-d10

Concen: 0.435 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096914.D

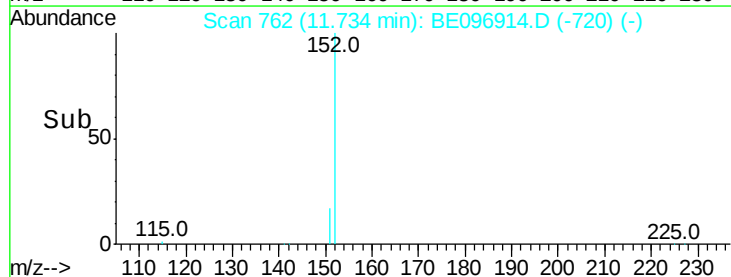
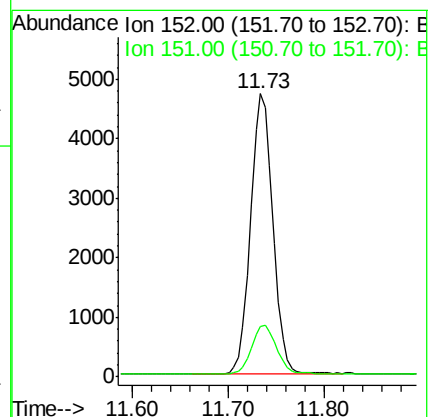
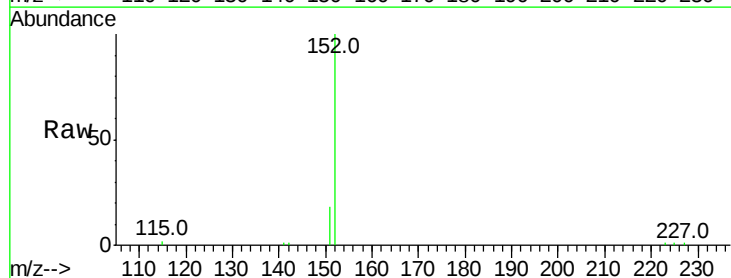
Acq: 13 Jul 2018 19:44

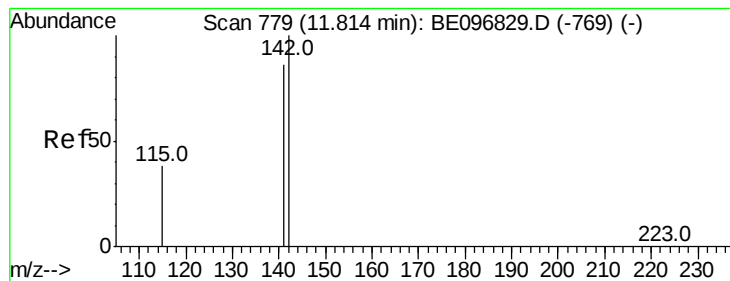
Tgt Ion:152 Resp: 7636

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0





#12

2-Methylnaphthalene

Concen: 0.020 ng

RT: 11.81 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

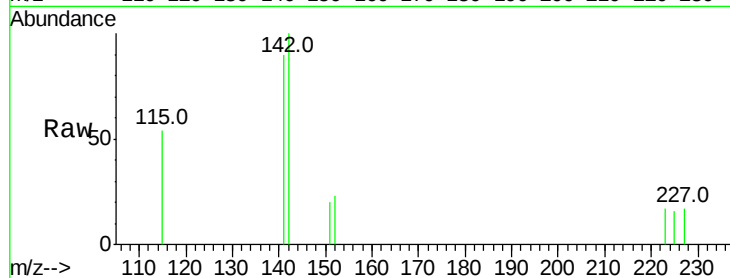
Tot Ion:142 Resp: 368

Ion Ratio Lower Upper

142 100

141 90.0 70.4 105.6

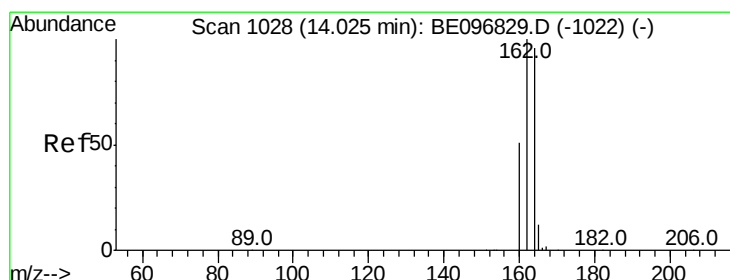
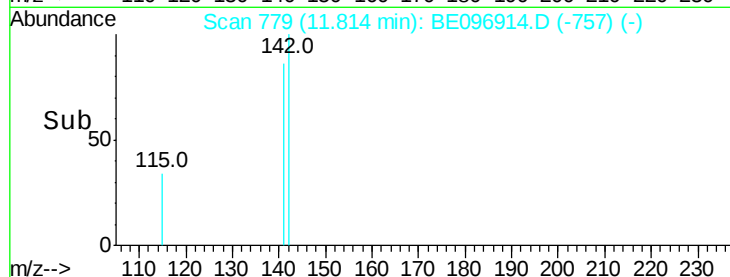
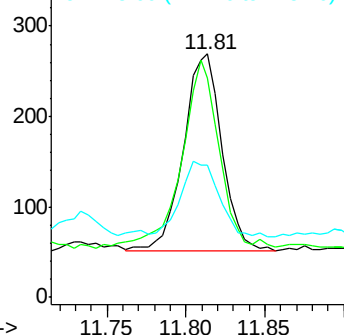
115 54.3 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

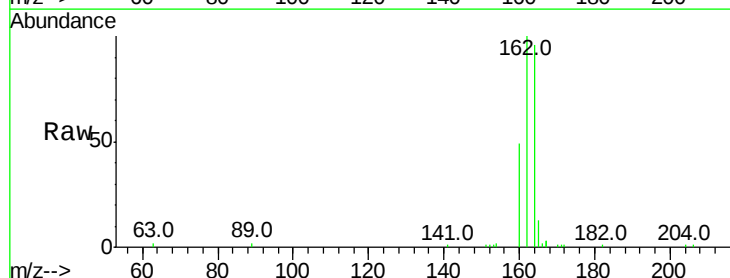
Tgt Ion:164 Resp: 6690

Ion Ratio Lower Upper

164 100

162 104.1 83.1 124.7

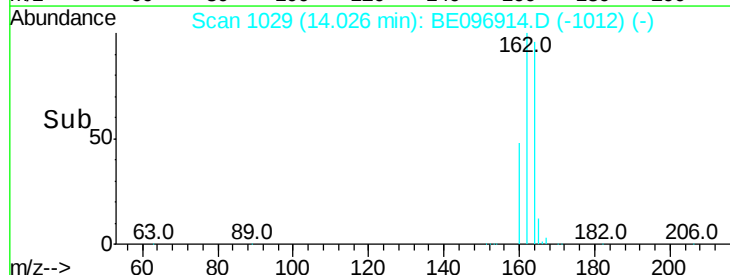
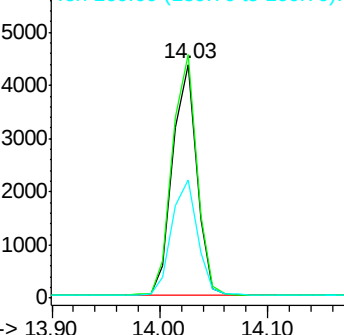
160 50.8 37.1 55.7

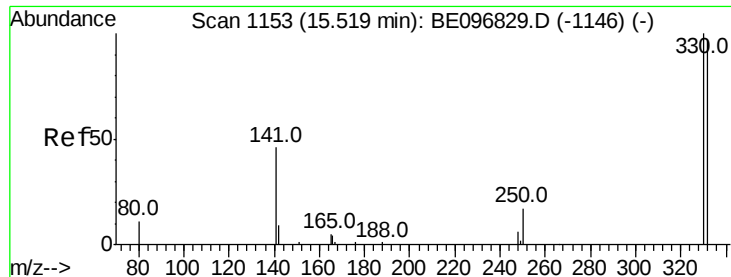


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

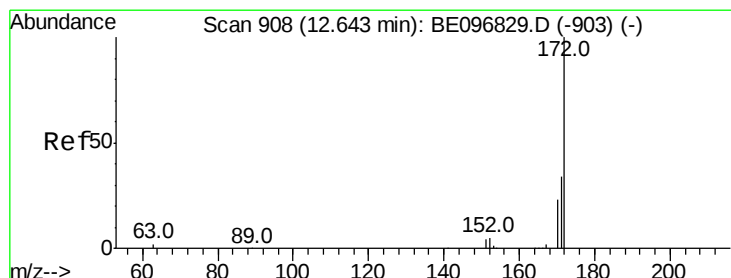
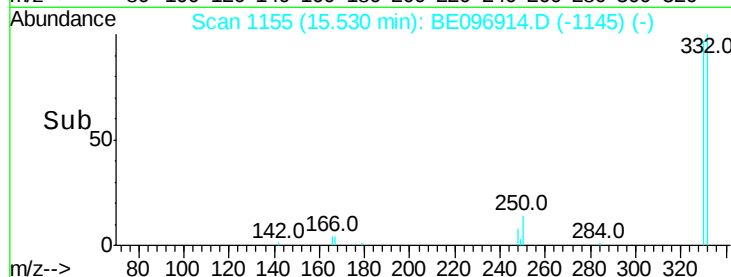
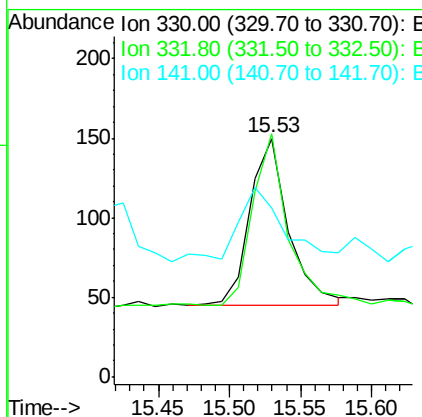
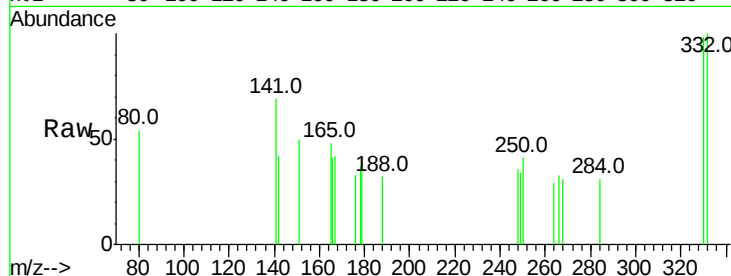




#14
 2,4,6-Tribromophenol
 Concen: 0.250 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: BE096914.D
 Acq: 13 Jul 2018 19:44

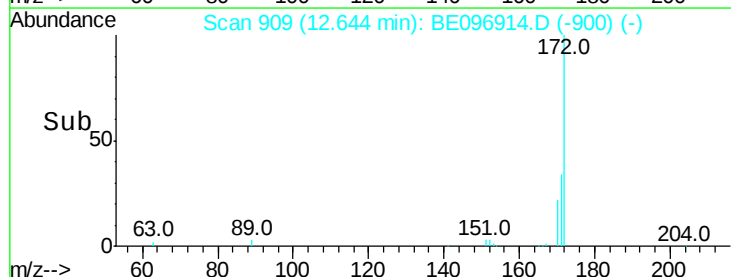
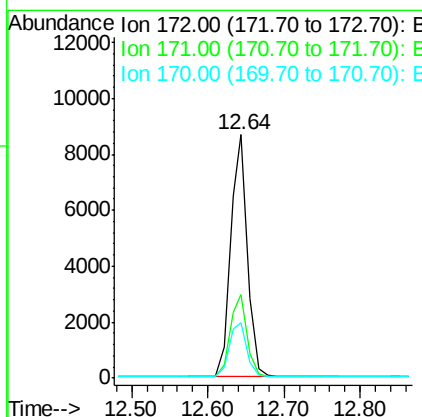
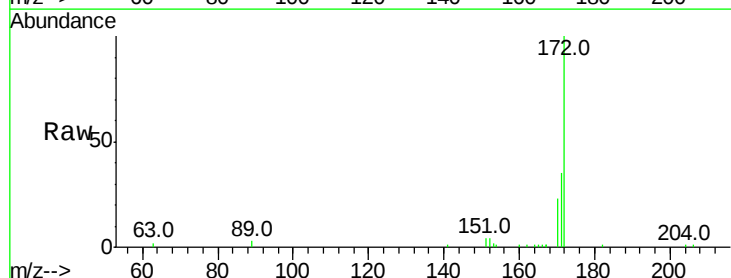
Instrument :
 BNA_E
 ClientSampleId :

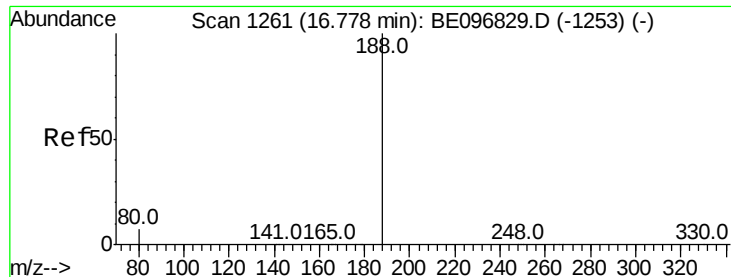
Tot Ion:330 Resp: 199
 Ion Ratio Lower Upper
 330 100
 332 93.5 152.7 229.1#
 141 55.3 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.548 ng
 RT: 12.64 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BE096914.D
 Acq: 13 Jul 2018 19:44

Tgt Ion:172 Resp: 13419
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.9 44.9
 170 23.0 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampled :

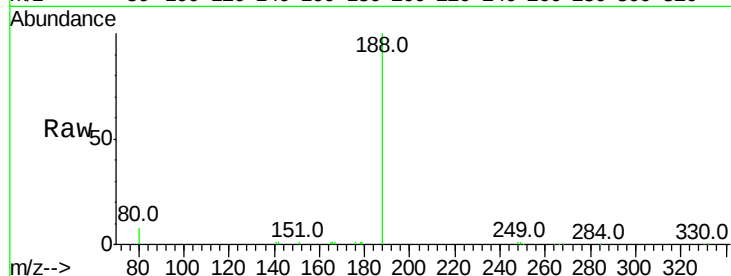
Tot Ion:188 Resp: 17868

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

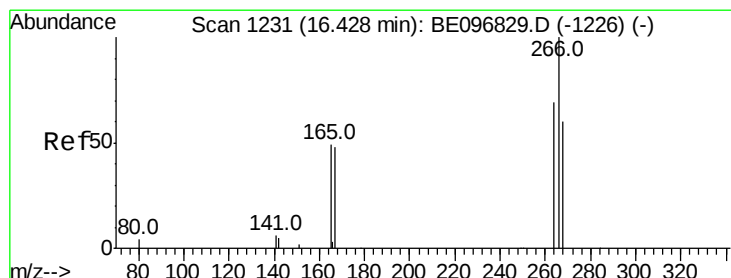
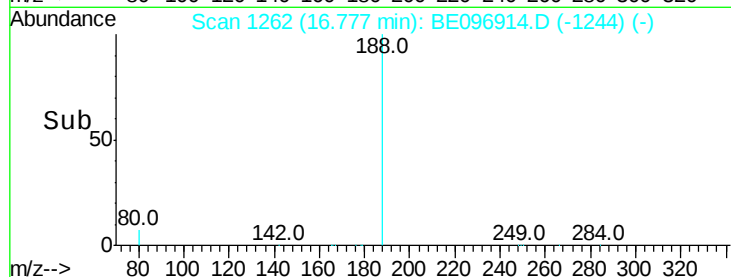
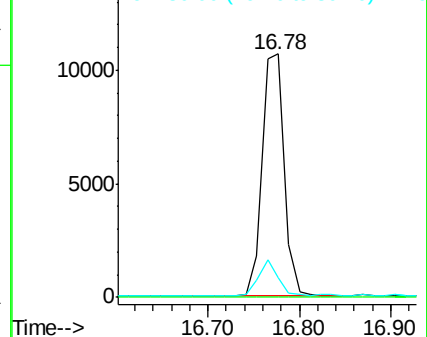
80 8.1 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.039 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

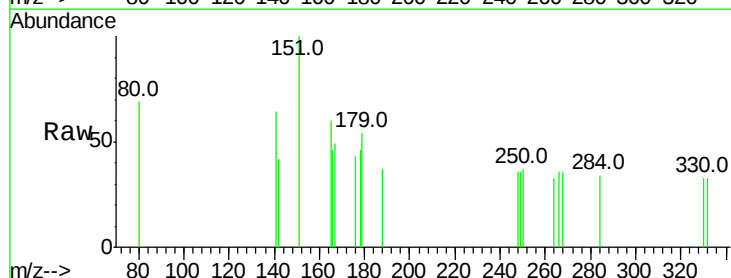
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 93.9 72.5 108.7

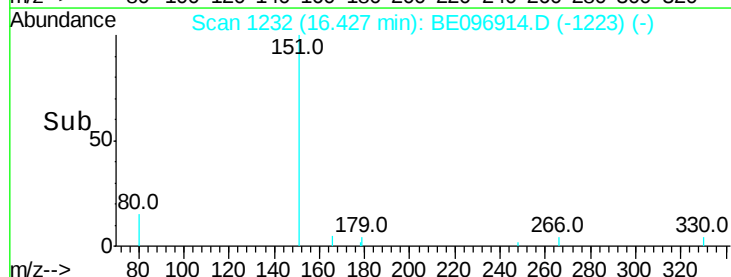
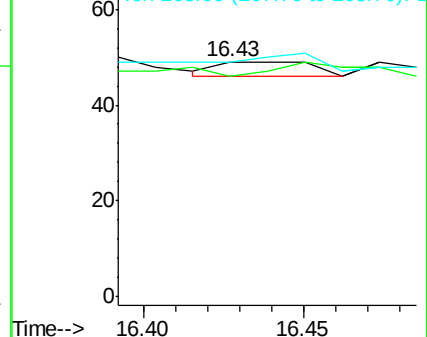
268 100.0 73.8 110.6

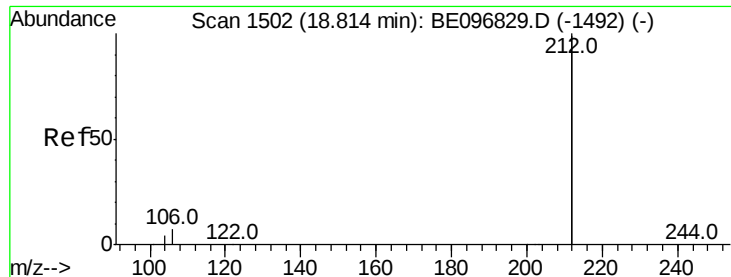


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.500 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

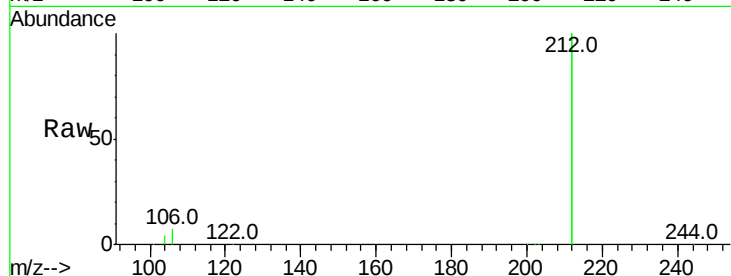
Tot Ion:212 Resp: 78627

Ion Ratio Lower Upper

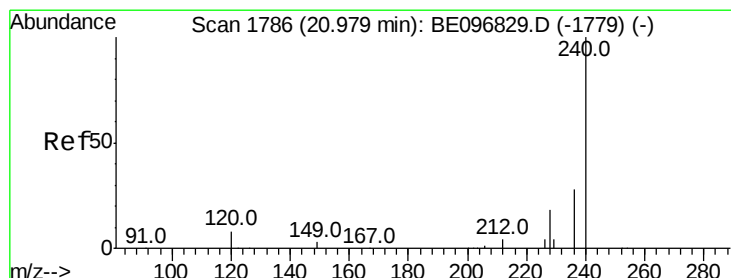
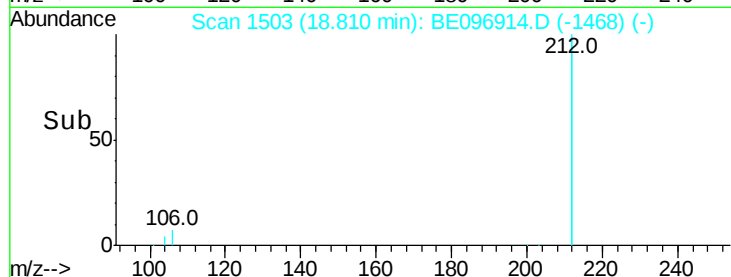
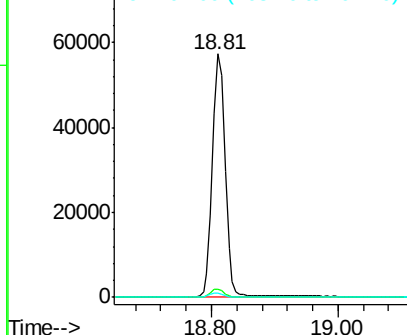
212 100

106 3.5 2.8 4.2

104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

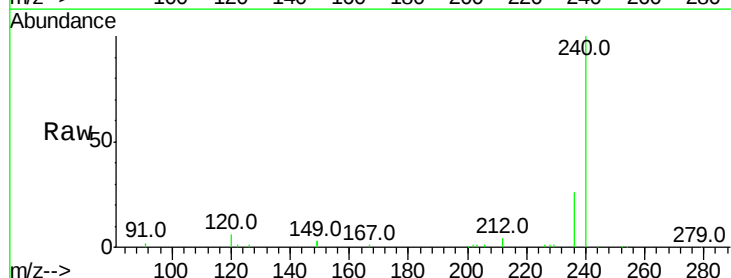
Tgt Ion:240 Resp: 15957

Ion Ratio Lower Upper

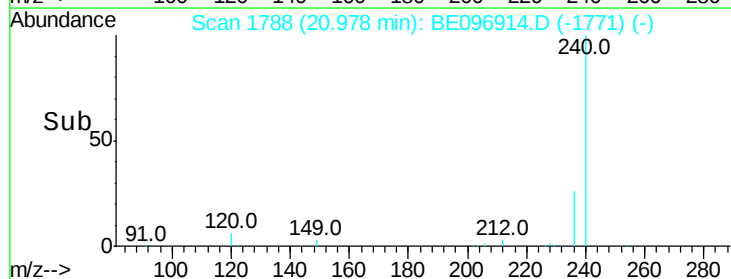
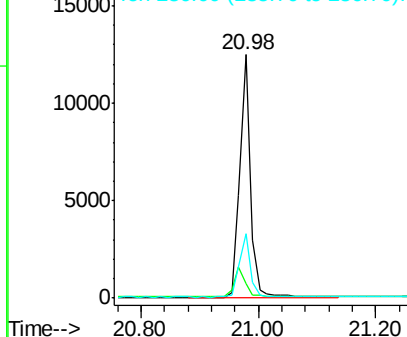
240 100

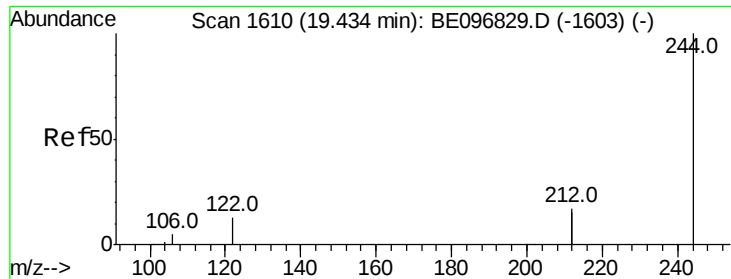
120 6.2 5.5 8.3

236 26.5 20.7 31.1



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





#29

Terphenyl-d14

Concen: 0.553 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

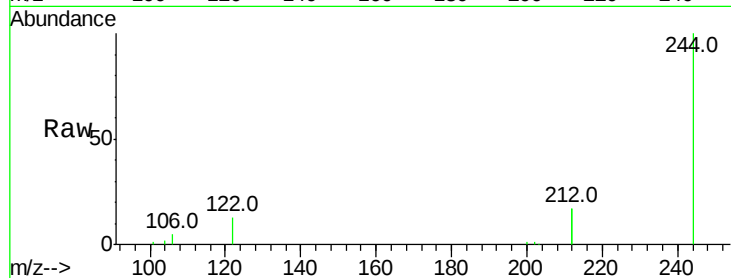
Tot Ion:244 Resp: 17039

Ion Ratio Lower Upper

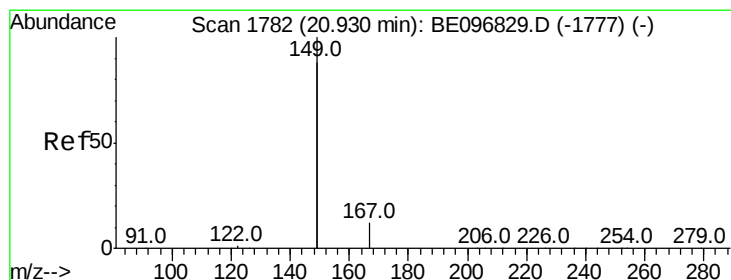
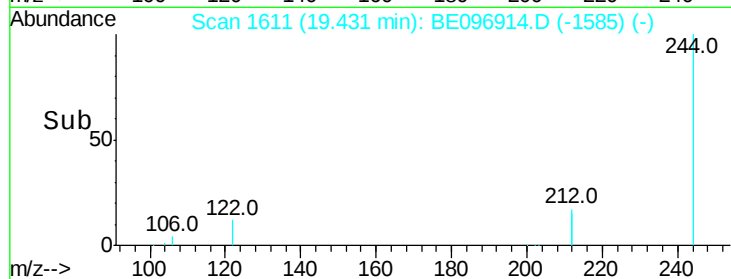
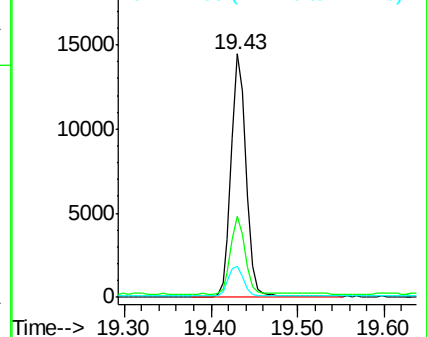
244 100

212 33.5 25.4 38.0

122 12.9 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.206 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

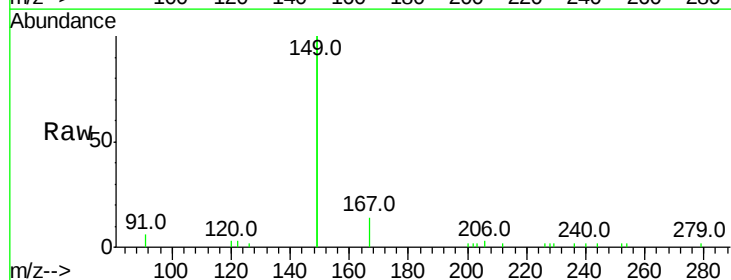
Tgt Ion:149 Resp: 6511

Ion Ratio Lower Upper

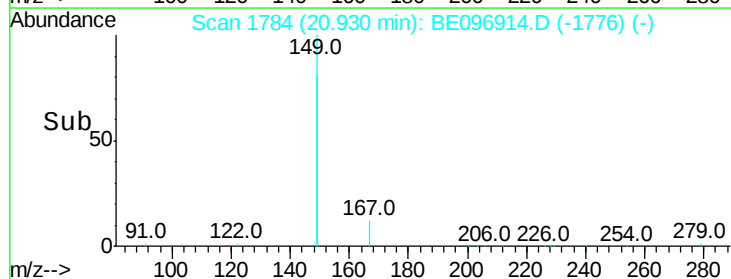
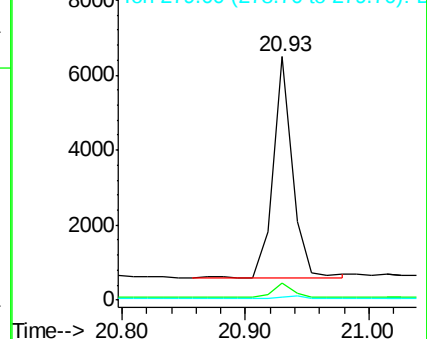
149 100

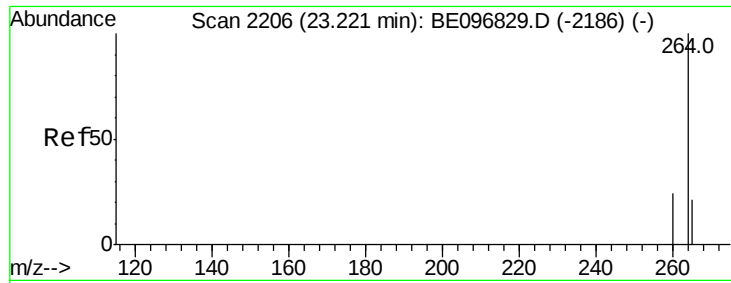
167 6.6 5.4 8.0

279 1.1 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

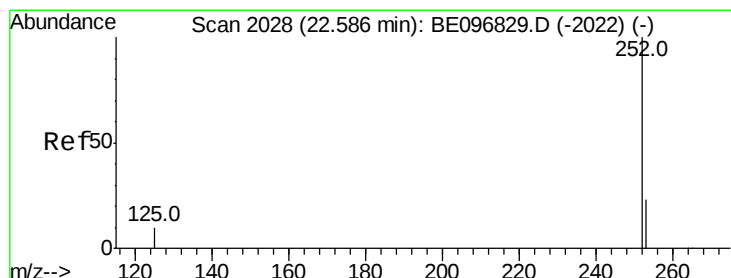
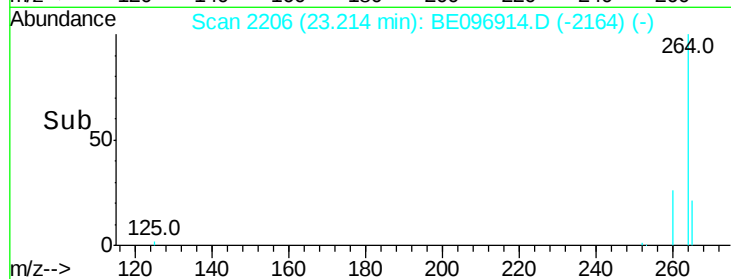
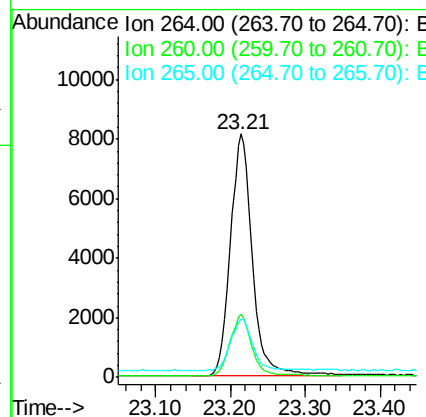
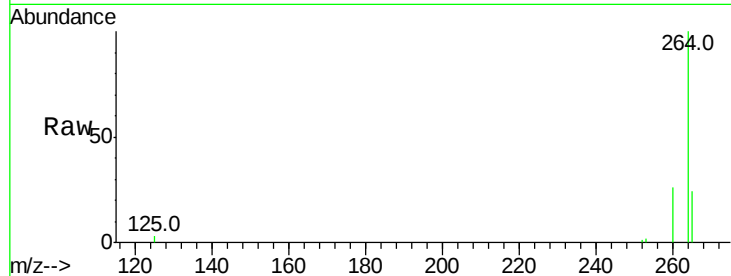




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE096914.D
Acq: 13 Jul 2018 19:44

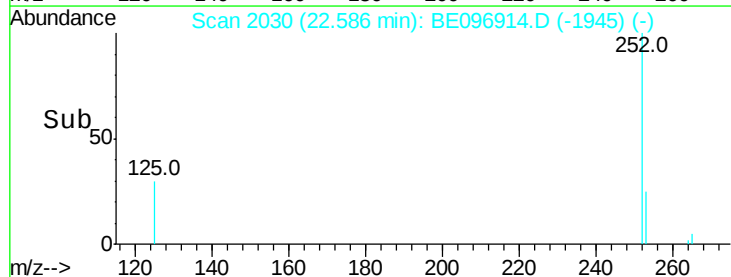
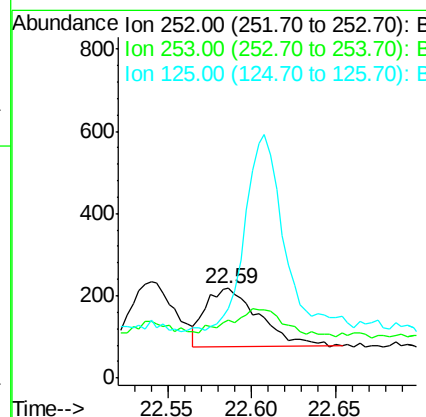
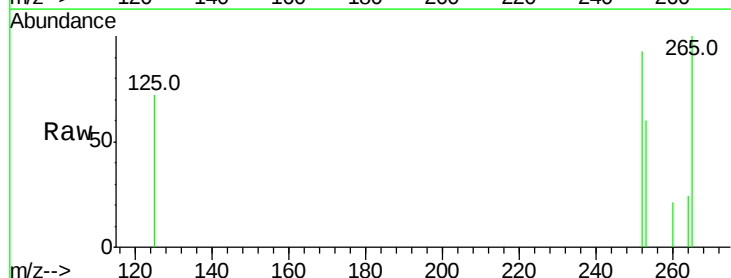
Instrument :
BNA_E
ClientSampleId :

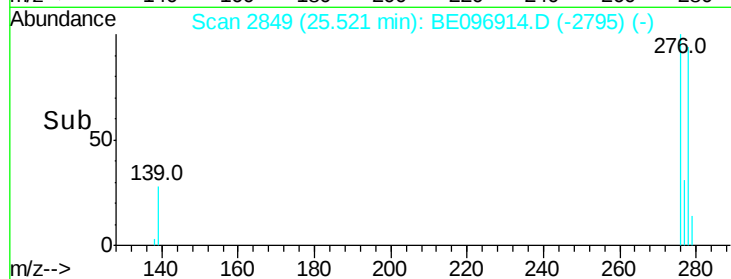
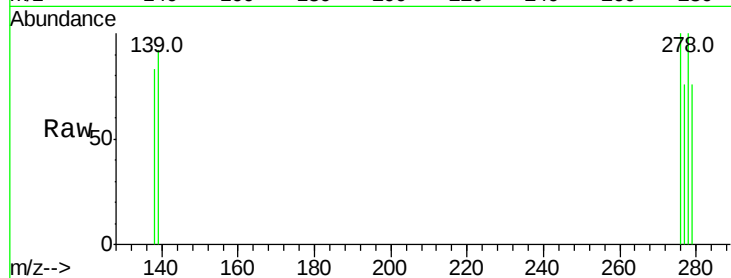
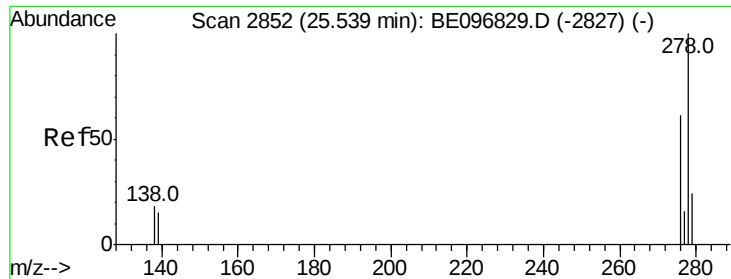
Tot Ion:264 Resp: 16549
Ion Ratio Lower Upper
264 100
260 26.0 20.5 30.7
265 23.9 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.088 ng
RT: 22.59 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BE096914.D
Acq: 13 Jul 2018 19:44

Tgt Ion:252 Resp: 311
Ion Ratio Lower Upper
252 100
253 64.2 16.0 24.0#
125 77.5 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.52 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE096914.D

Acq: 13 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:278 Resp: 48

Ion Ratio Lower Upper

278 100

139 91.6 16.0 24.0#

279 75.9 20.0 30.0#

