

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096919.D
 Acq On : 14 Jul 2018 1:21
 Operator : SJ/JU
 Sample : J3170-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW02-071118

Quant Time: Jul 14 03:52:09 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	1941	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	9525	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5415	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	15555	0.40	ng	0.01
27) Chrysene-d12	20.98	240	14629	0.40	ng	0.00
34) Perylene-d12	23.21	264	15419	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1118	0.26	ng	0.00
5) Phenol-d6	6.59	99	920	0.14	ng	0.00
8) Nitrobenzene-d5	8.53	82	3546	0.61	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	6779	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	877	0.63	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9808	0.49	ng	0.00
25) Fluoranthene-d10	18.81	212	82792	0.60	ng	0.00
29) Terphenyl-d14	19.43	244	17065	0.60	ng	0.00

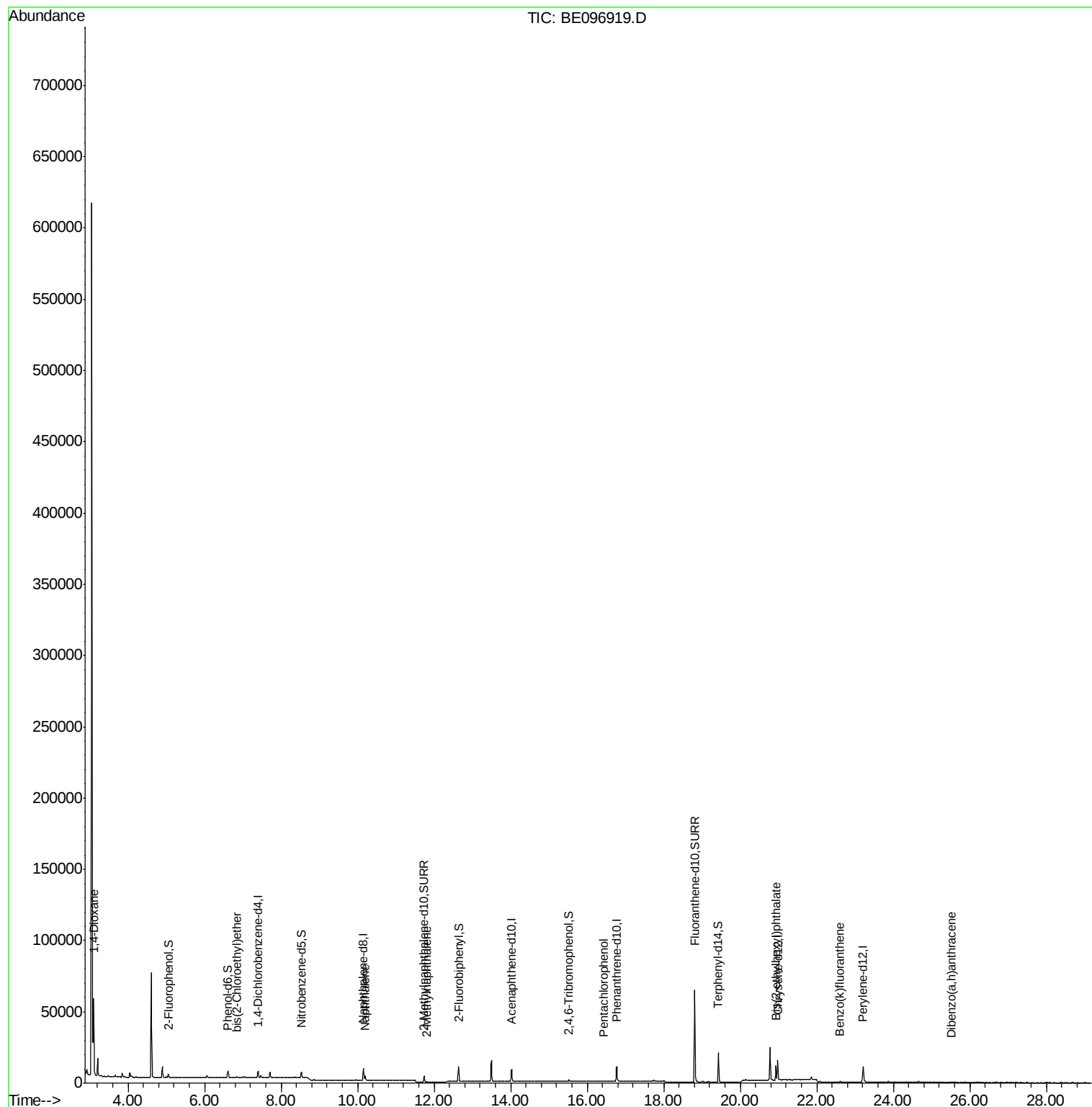
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	24793	8.524	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	258	0.036	ng	# 98
9) Naphthalene	10.20	128	5539	0.064	ng	# 97
12) 2-Methylnaphthalene	11.81	142	441	0.031	ng	# 89
22) Pentachlorophenol	16.44	266	48	0.076	ng	# 97
32) Bis(2-ethylhexyl)phthalate	20.93	149	10978	0.378	ng	# 100
36) Benzo(k)fluoranthene	22.61	252	157	0.086	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	10	0.110	ng	# 1

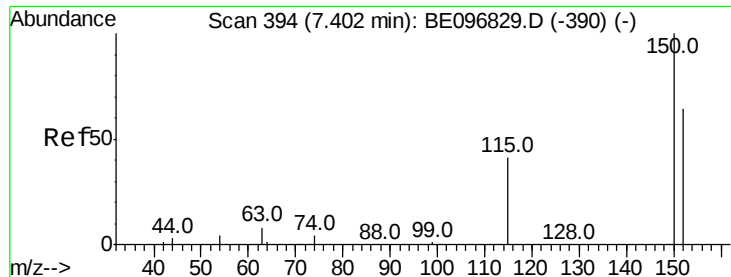
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

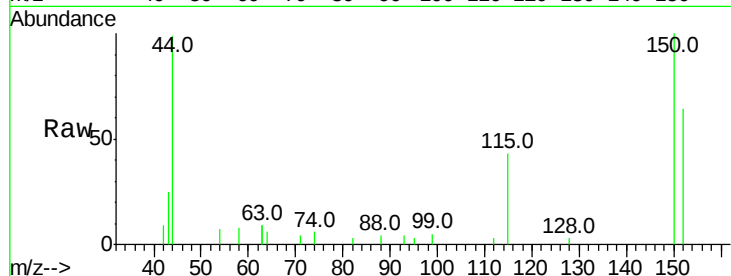
Tot Ion:152 Resp: 1941

Ion Ratio Lower Upper

152 100

150 156.6 117.2 175.8

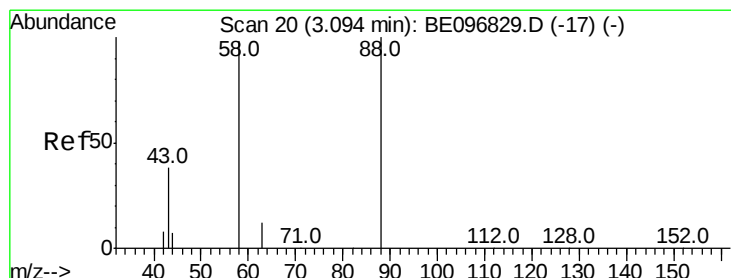
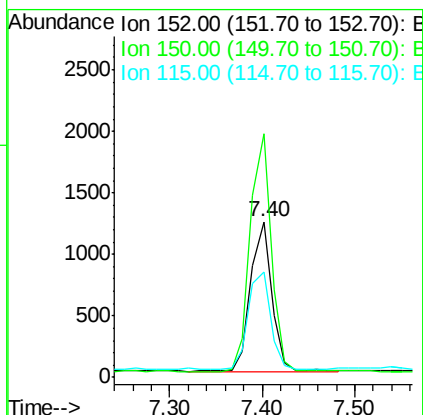
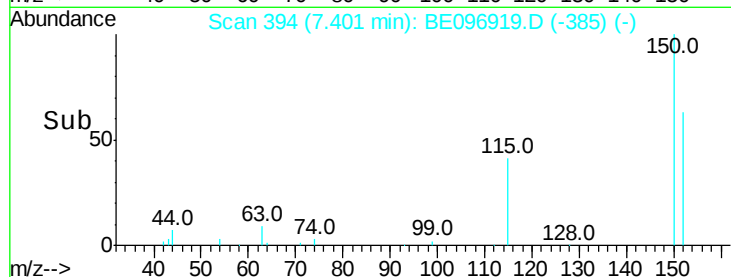
115 67.8 57.0 85.6



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: 8.524 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

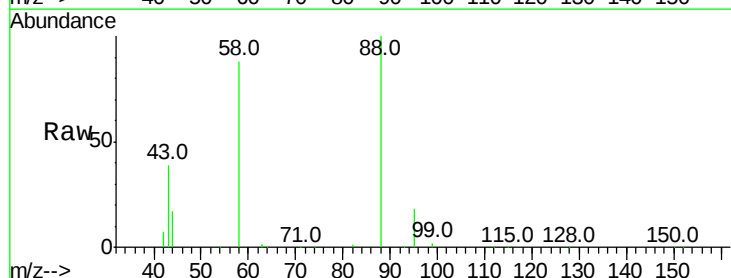
Tgt Ion: 88 Resp: 24793

Ion Ratio Lower Upper

88 100

58 82.0 63.2 94.8

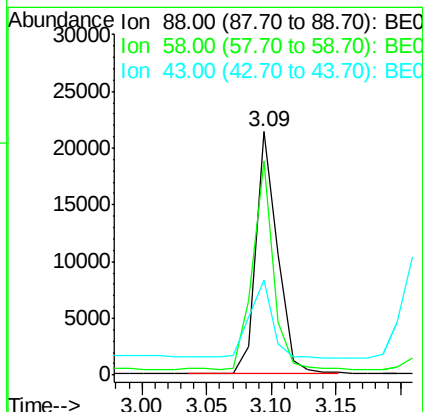
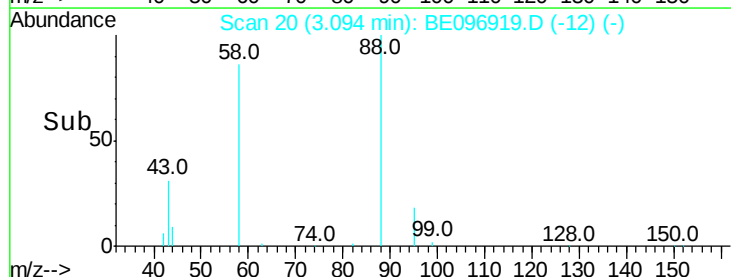
43 34.9 41.2 61.8#

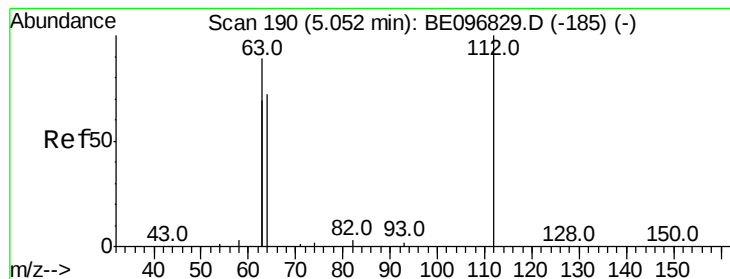


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.258 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

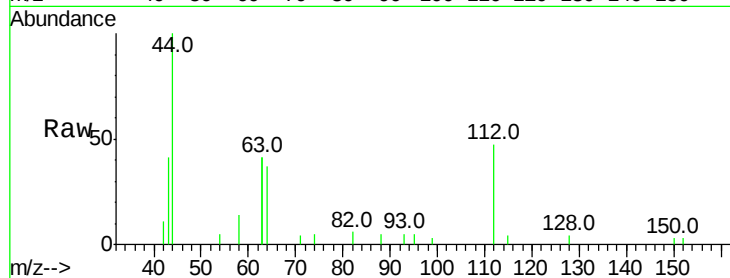
Tot Ion: 112 Resp: 1118

Ion Ratio Lower Upper

112 100

64 72.7 60.1 90.1

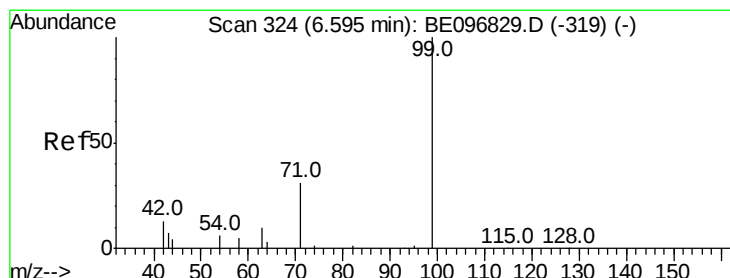
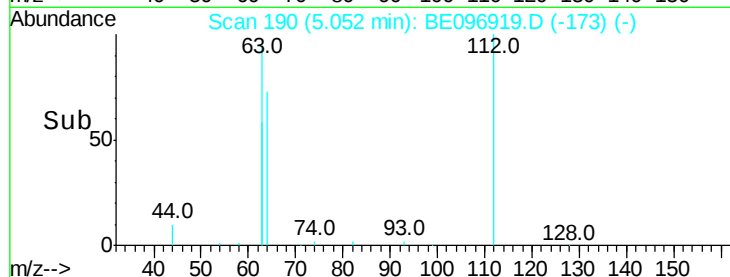
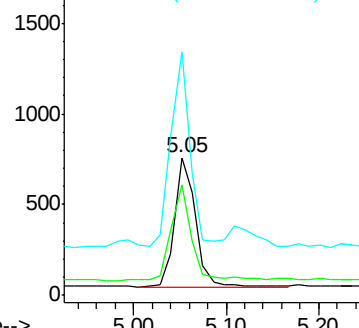
63 139.8 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.142 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

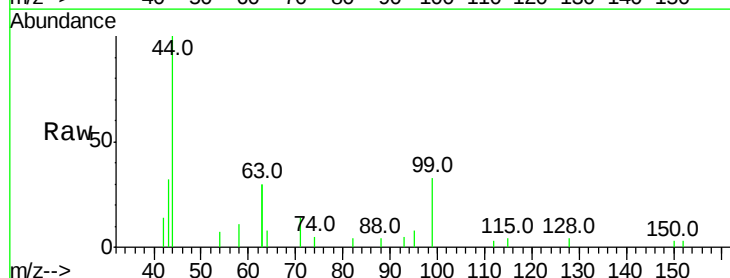
Tgt Ion: 99 Resp: 920

Ion Ratio Lower Upper

99 100

42 46.1 20.2 30.2#

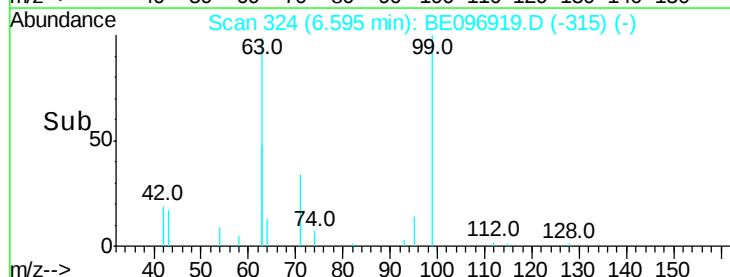
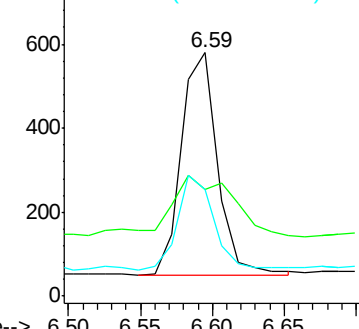
71 42.4 28.4 42.6

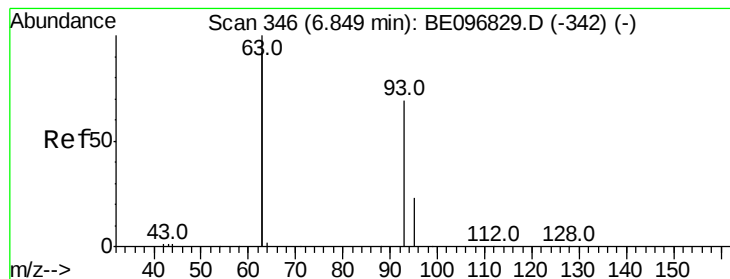


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.036 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

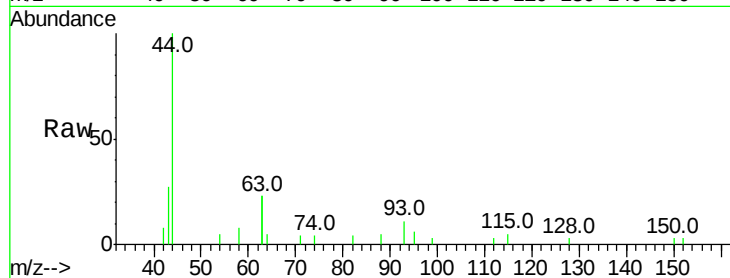
Tot Ion: 93 Resp: 258

Ion Ratio Lower Upper

93 100

63 339.1 275.3 412.9

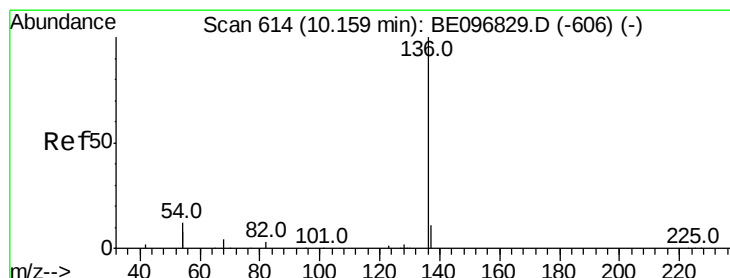
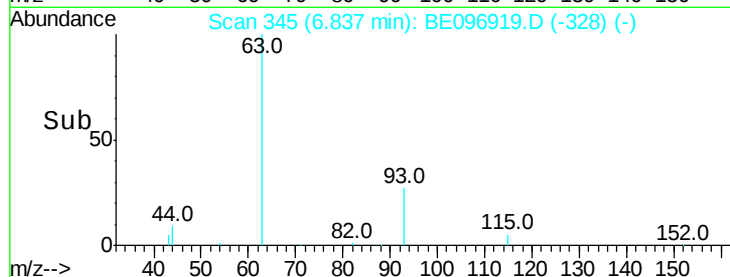
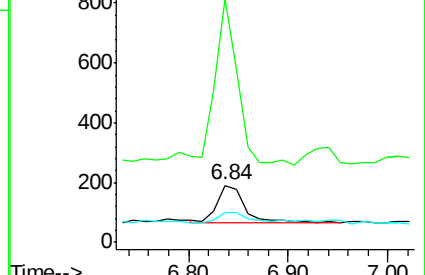
95 29.1 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Tgt Ion:136 Resp: 9525

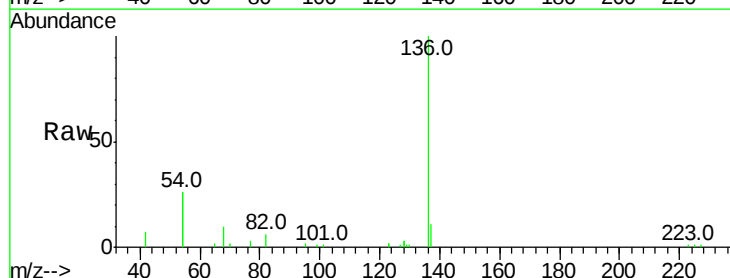
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 52.5 29.1 43.7#

68 9.9 6.2 9.2#

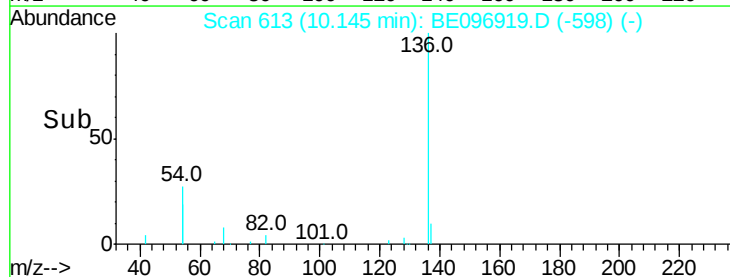
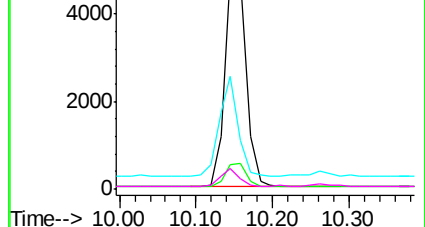


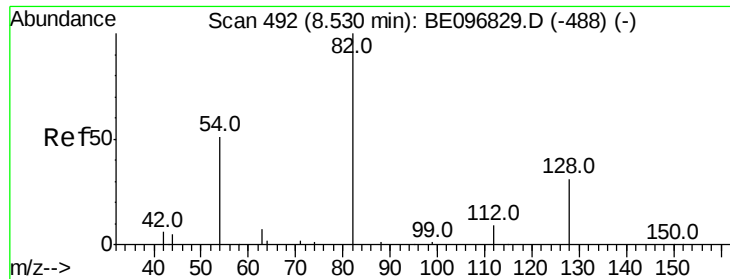
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.615 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

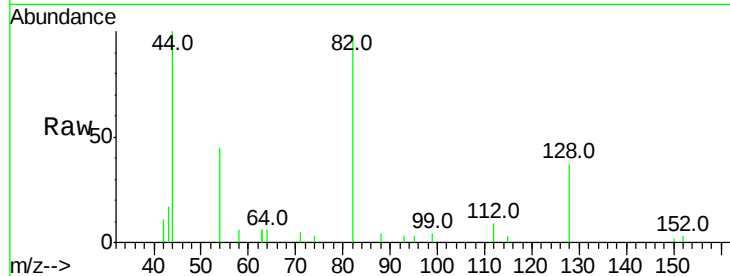
Tot Ion: 82 Resp: 3546

Ion Ratio Lower Upper

82 100

128 38.0 24.0 36.0#

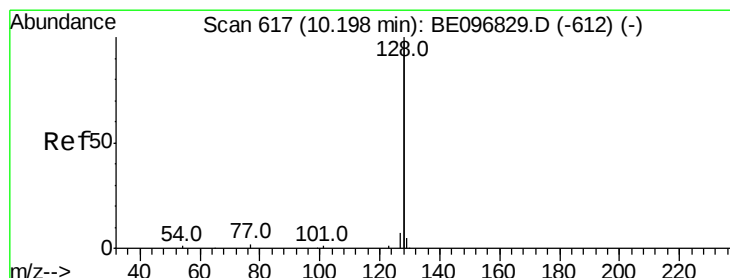
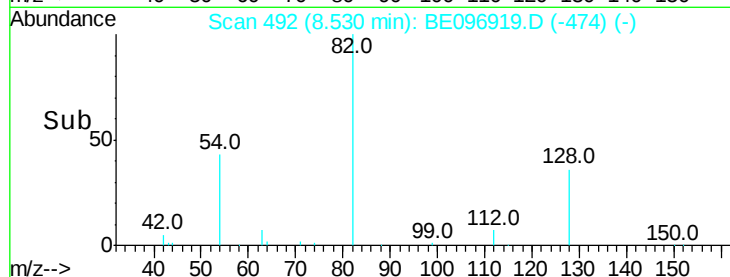
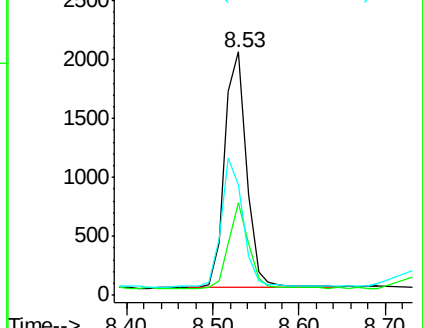
54 45.5 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.064 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

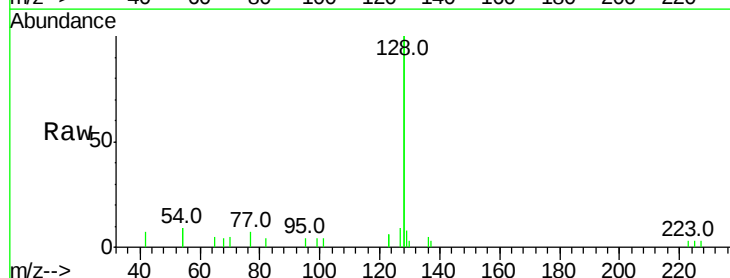
Tgt Ion:128 Resp: 5539

Ion Ratio Lower Upper

128 100

129 4.1 2.6 3.8#

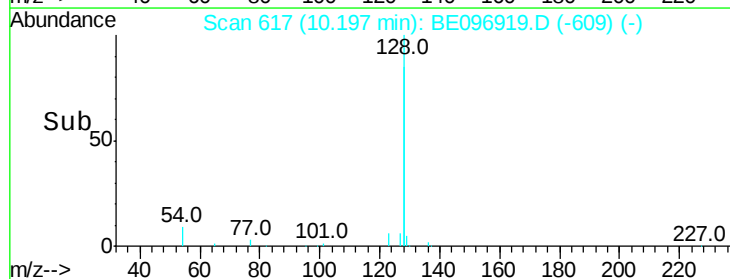
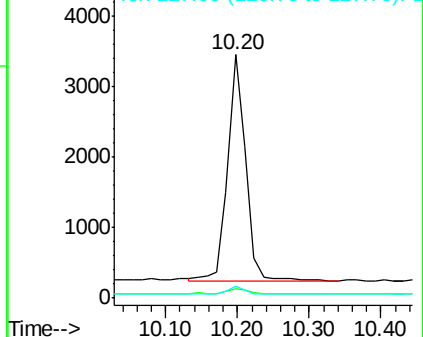
127 4.6 2.8 4.2#

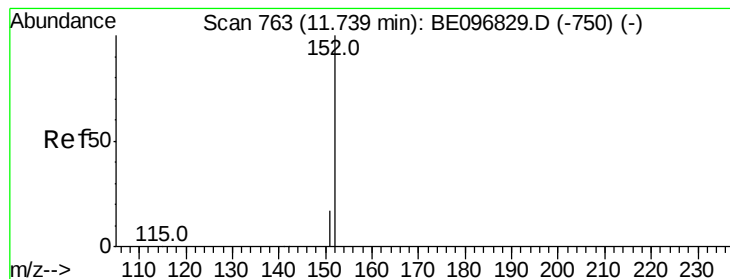


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.495 ng

RT: 11.74 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

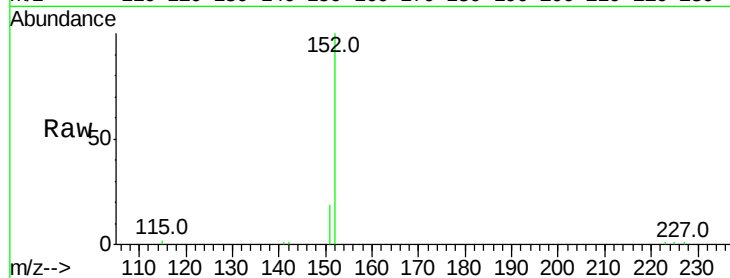
GW02-071118

Tot Ion:152 Resp: 6779

Ion Ratio Lower Upper

152 100

151 20.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.74

4000

3000

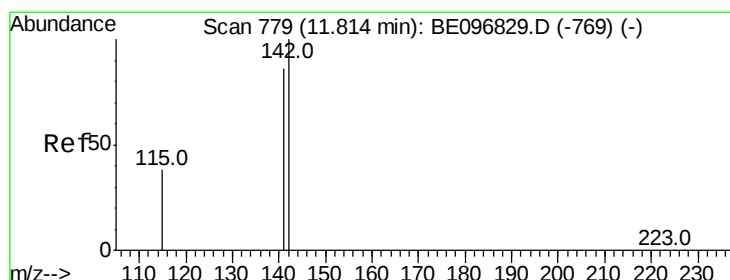
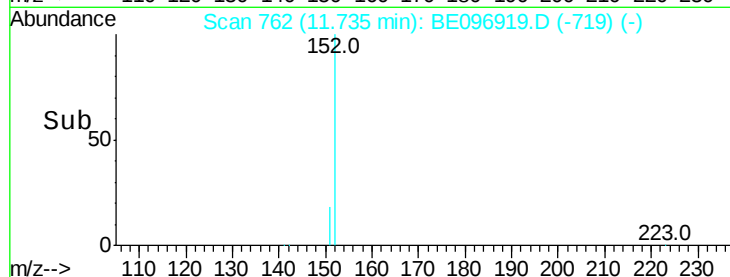
2000

1000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 11.81 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

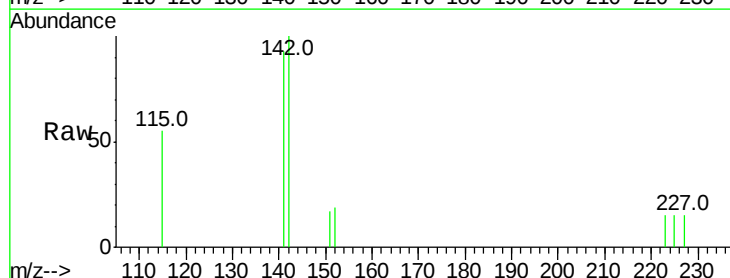
Tgt Ion:142 Resp: 441

Ion Ratio Lower Upper

142 100

141 92.6 70.4 105.6

115 54.8 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

400

300

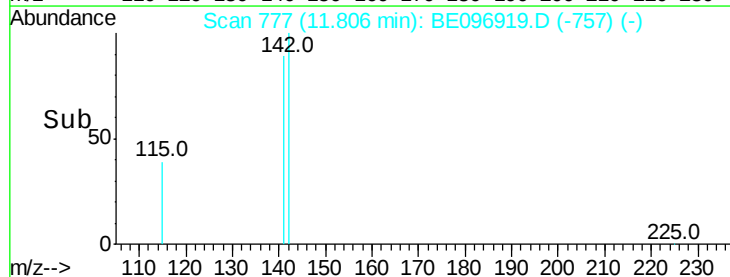
200

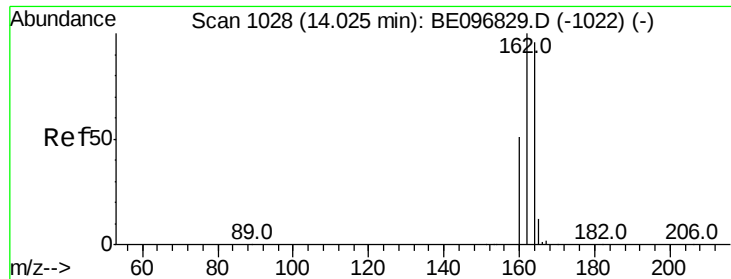
100

0

Time-->

11.75 11.80 11.85





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

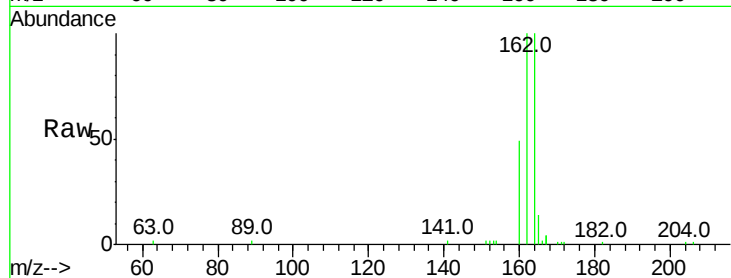
Tot Ion:164 Resp: 5415

Ion Ratio Lower Upper

164 100

162 100.2 83.1 124.7

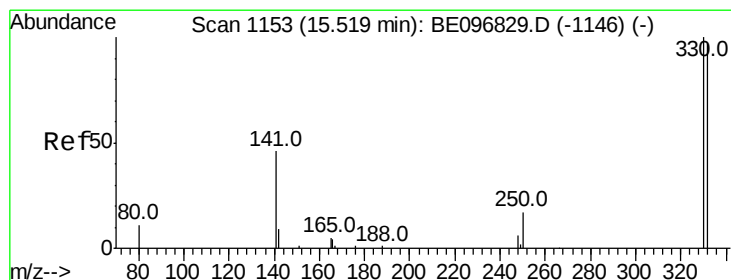
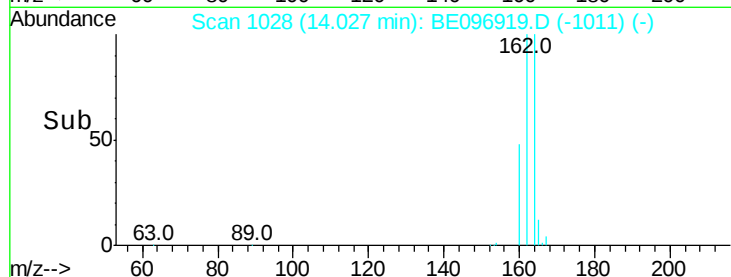
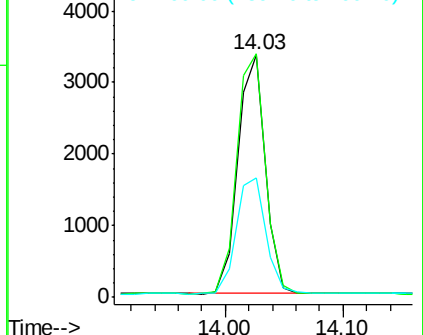
160 49.0 37.1 55.7



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: 0.626 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

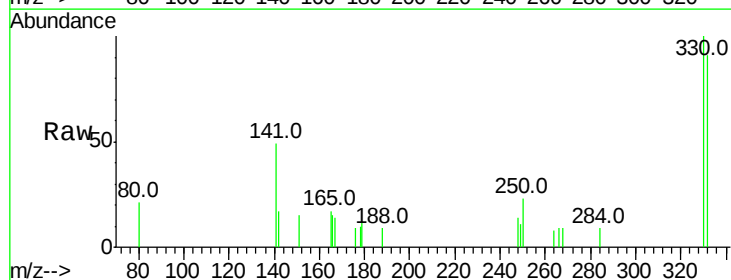
Tgt Ion:330 Resp: 877

Ion Ratio Lower Upper

330 100

332 94.5 152.7 229.1#

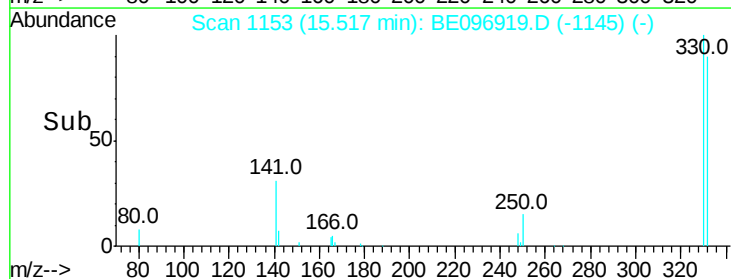
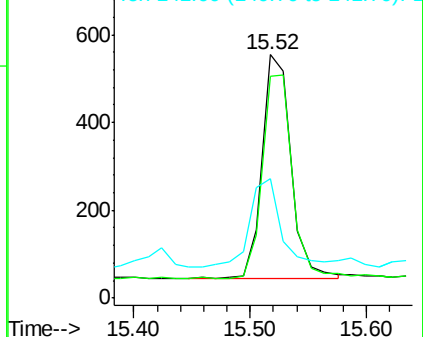
141 42.9 33.7 50.5

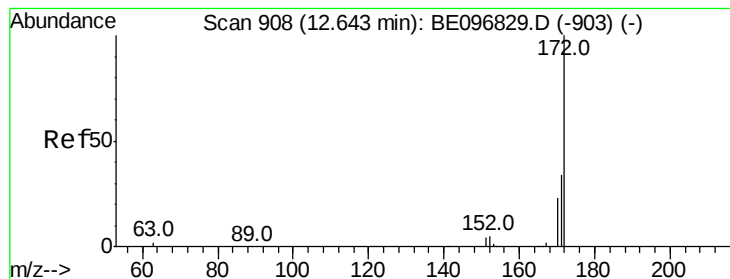


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

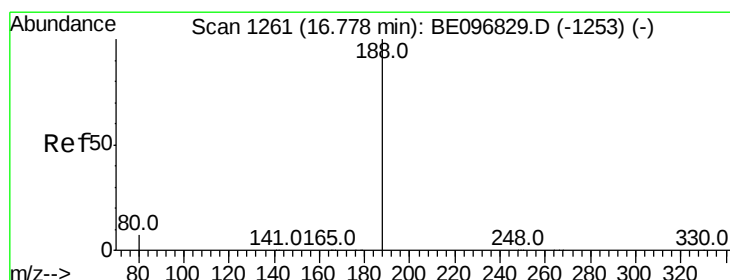
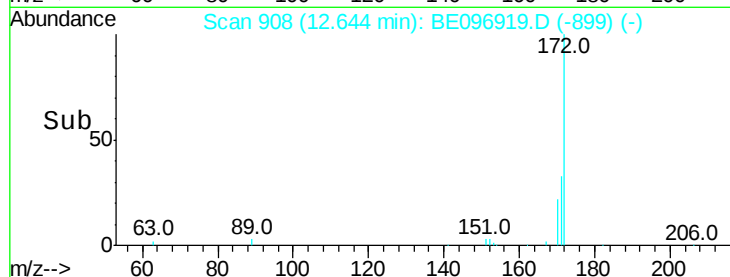
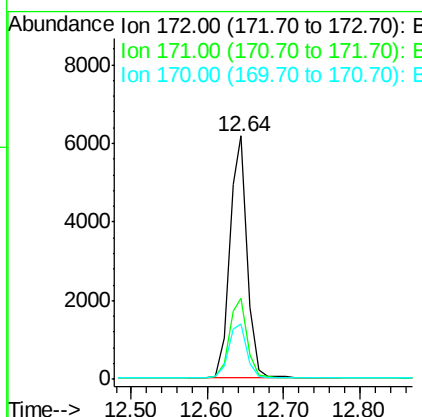
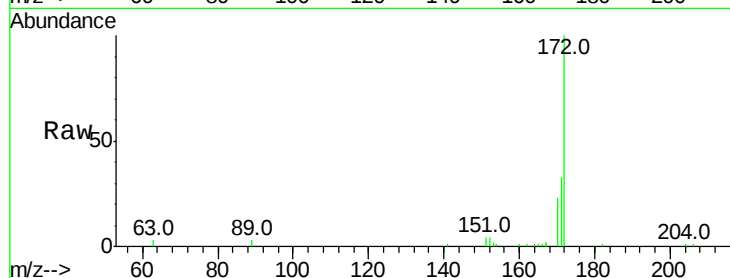




#15
2-Fluorobiphenyl
Concen: 0.495 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096919.D
Acq: 14 Jul 2018 1:21

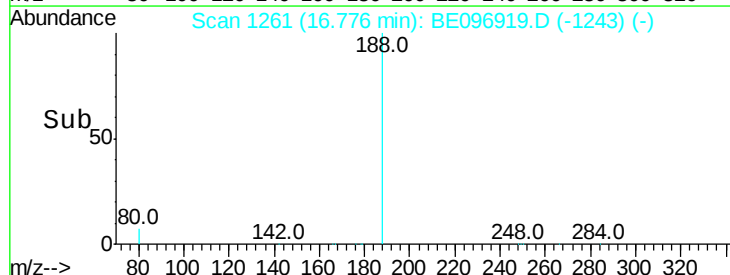
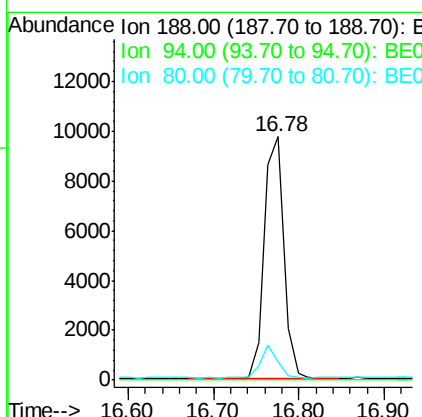
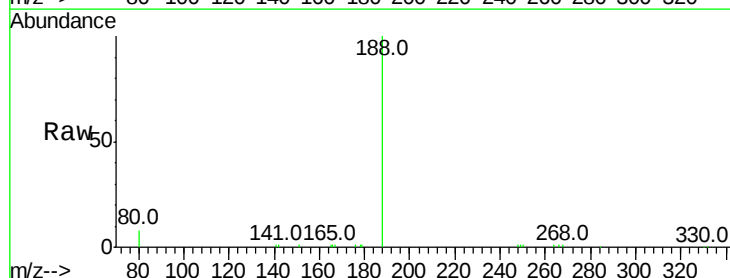
Instrument :
BNA_E
ClientSampleId :
GW02-071118

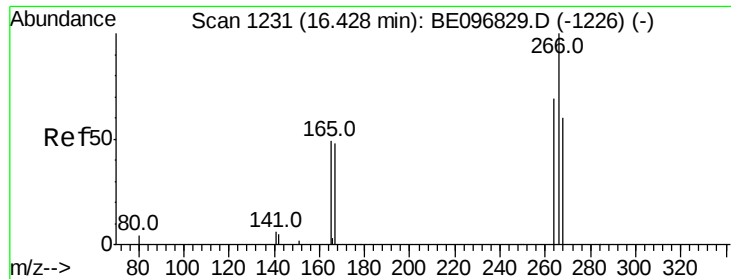
Tot Ion:172 Resp: 9808
Ion Ratio Lower Upper
172 100
171 33.3 29.9 44.9
170 22.6 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BE096919.D
Acq: 14 Jul 2018 1:21

Tgt Ion:188 Resp: 15555
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 7.7 3.6 5.4#

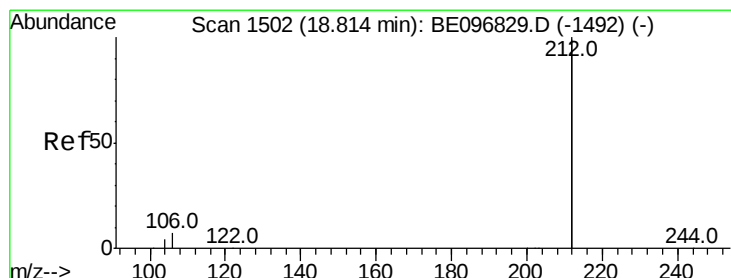
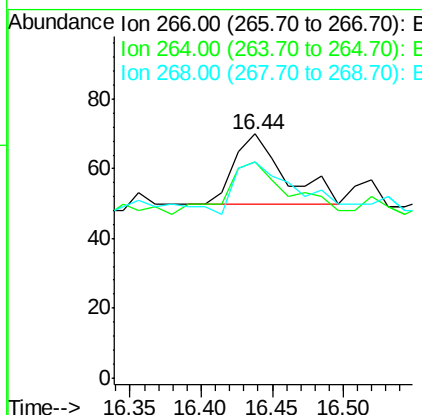
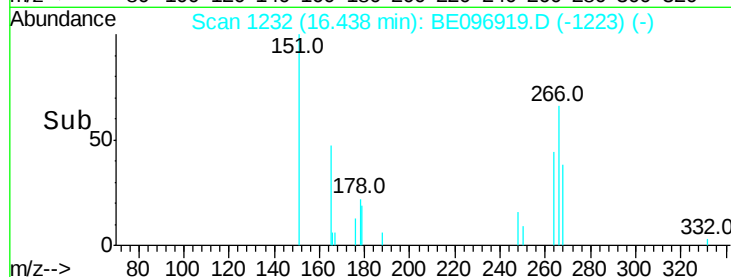
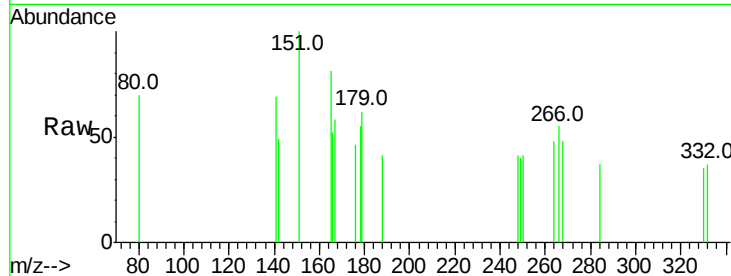




#22
 Pentachlorophenol
 Concen: 0.076 ng
 RT: 16.44 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BE096919.D
 Acq: 14 Jul 2018 1:21

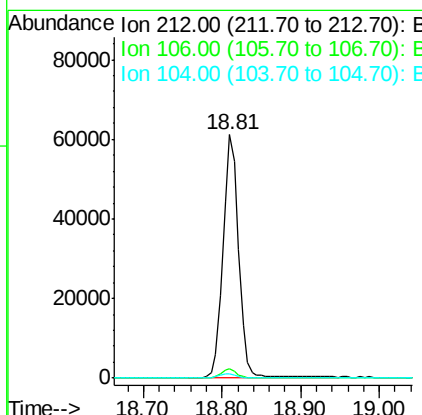
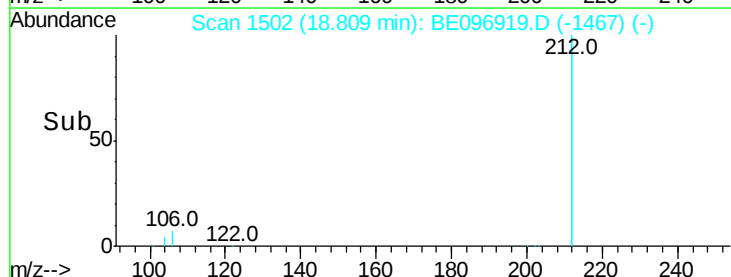
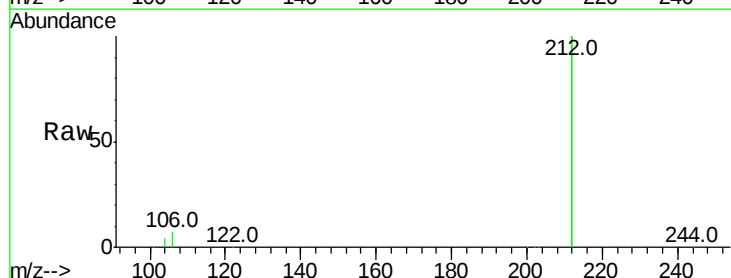
Instrument :
 BNA_E
 ClientSampleId :
 GW02-071118

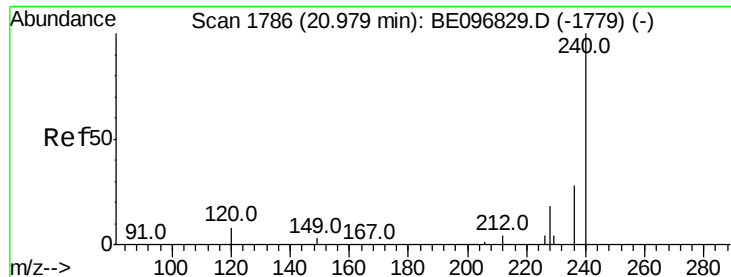
Tot Ion:266 Resp: 48
 Ion Ratio Lower Upper
 266 100
 264 88.6 72.5 108.7
 268 88.6 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.605 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BE096919.D
 Acq: 14 Jul 2018 1:21

Tgt Ion:212 Resp: 82792
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.8 4.2
 104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

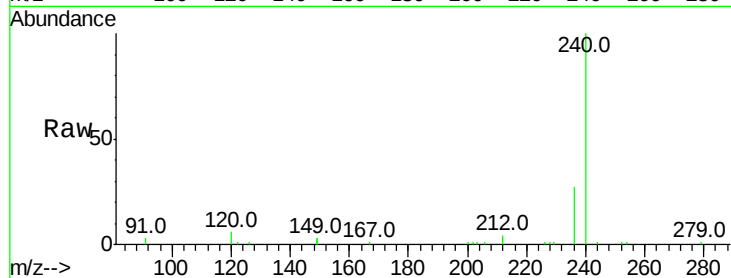
Tot Ion:240 Resp: 14629

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

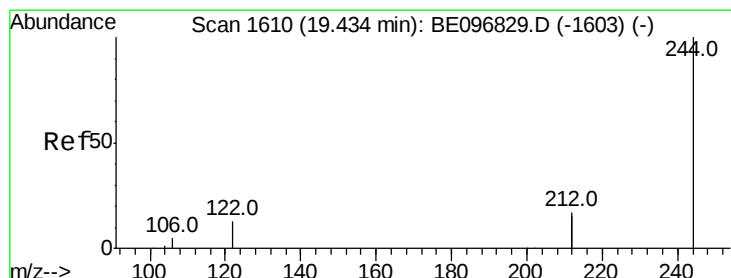
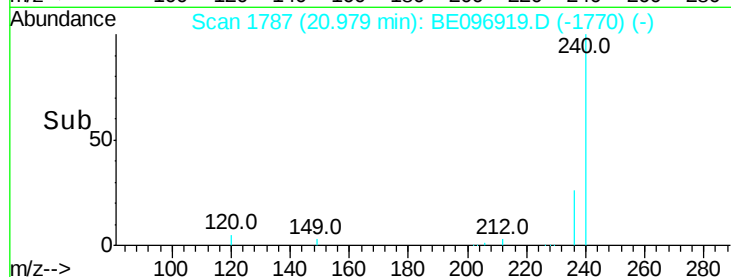
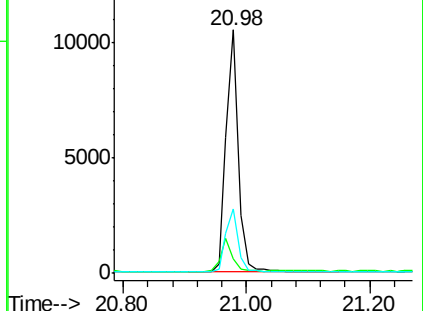
236 26.7 20.7 31.1



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: 0.604 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

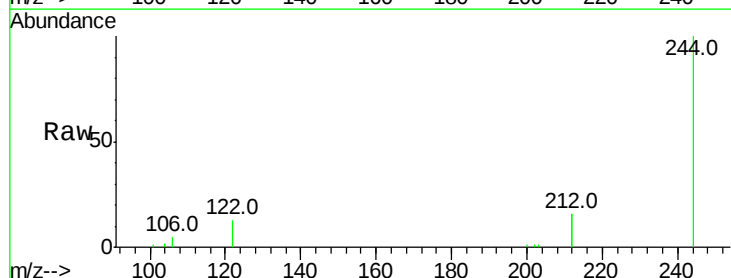
Tgt Ion:244 Resp: 17065

Ion Ratio Lower Upper

244 100

212 32.7 25.4 38.0

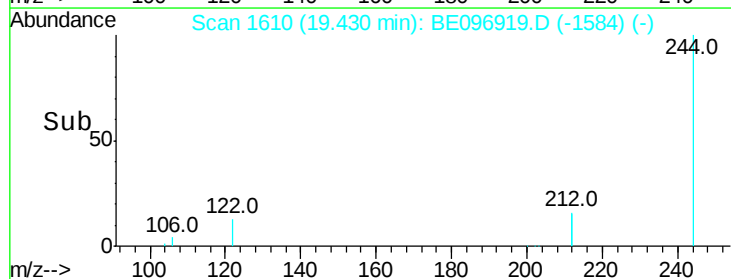
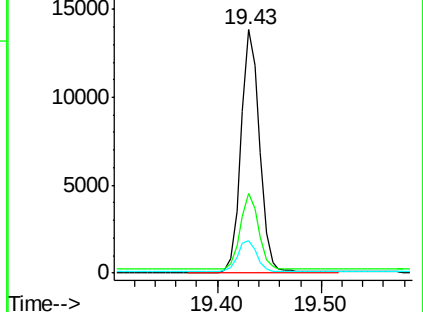
122 13.2 8.1 12.1#

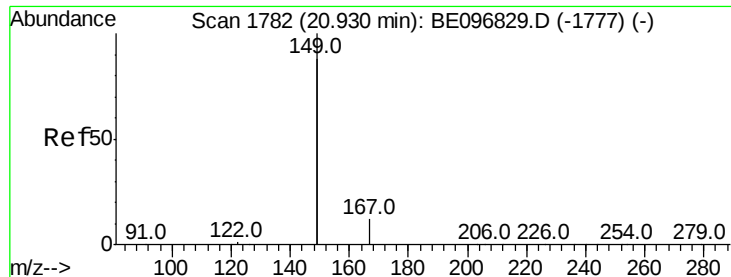


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.378 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

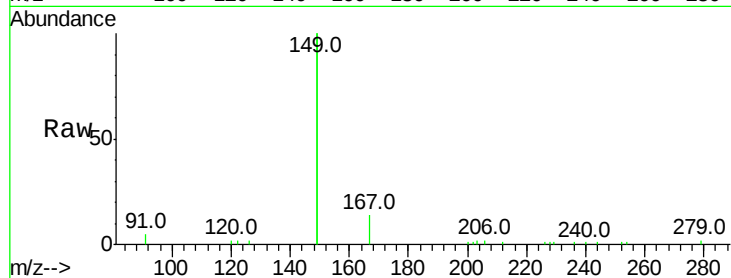
Tot Ion:149 Resp: 10978

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

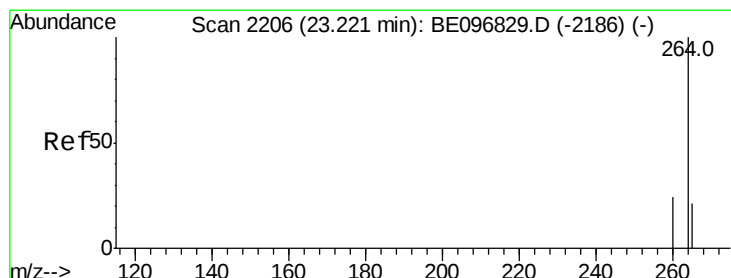
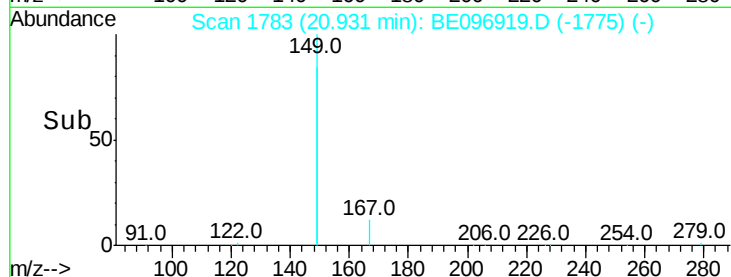
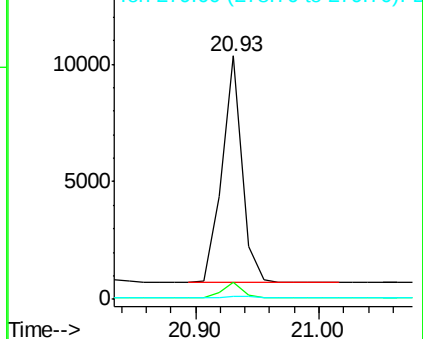
279 0.9 0.7 1.1



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

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

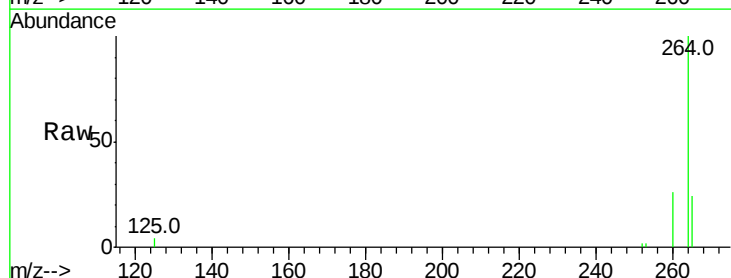
Tgt Ion:264 Resp: 15419

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

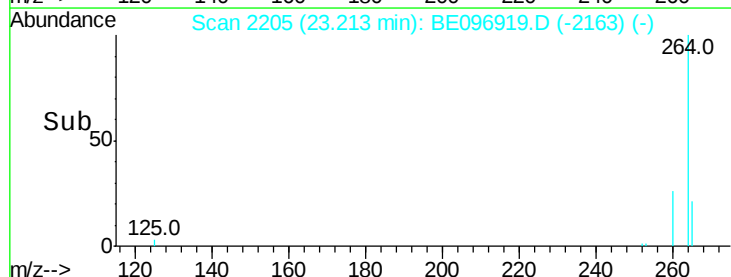
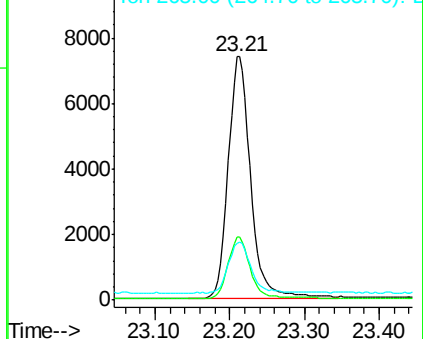
265 24.0 22.8 34.2

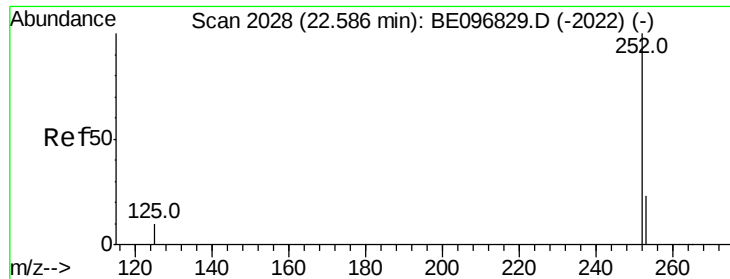


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#36

Benzo(k)fluoranthene

Concen: 0.086 ng

RT: 22.61 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

GW02-071118

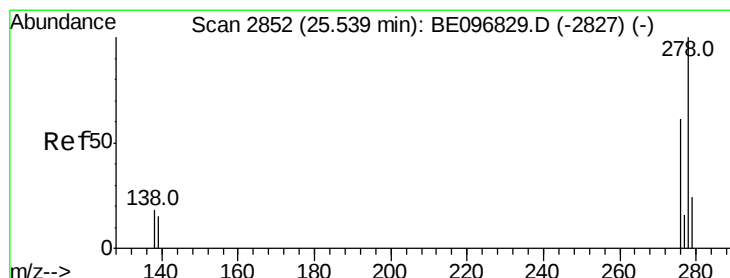
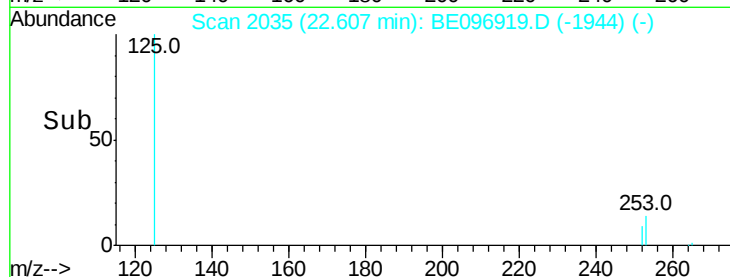
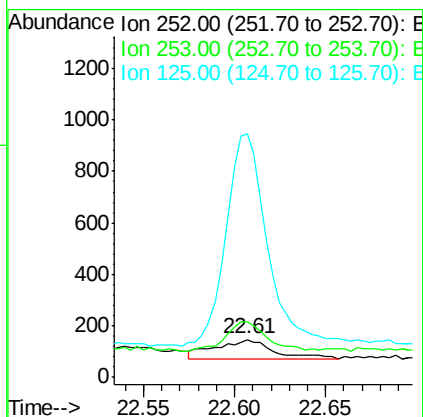
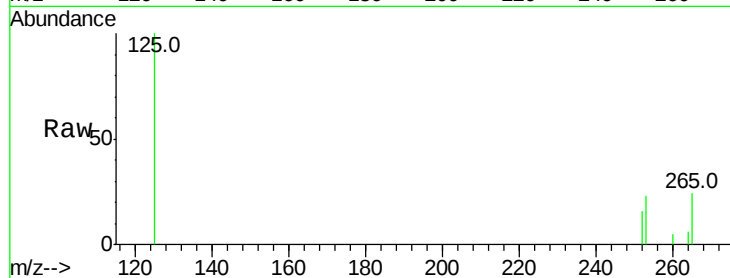
Tot Ion:252 Resp: 157

Ion Ratio Lower Upper

252 100

253 147.3 16.0 24.0#

125 639.2 8.0 12.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.52 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE096919.D

Acq: 14 Jul 2018 1:21

Tgt Ion:278 Resp: 10

Ion Ratio Lower Upper

278 100

139 112.9 16.0 24.0#

279 103.2 20.0 30.0#

