

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095733.D
 Acq On : 12 Mar 2018 16:55
 Operator : SJ/JU
 Sample : J1867-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C190137

Quant Time: Mar 13 16:52:42 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1558	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	6152	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	4564	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7857	0.40	ng	0.00
27) Chrysene-d12	21.80	240	8051	0.40	ng	0.00
34) Perylene-d12	24.43	264	7573	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	676	0.16	ng	0.00
5) Phenol-d6	7.56	99	685	0.12	ng	0.00
8) Nitrobenzene-d5	9.61	82	2617	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3336	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	604	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	6945	0.34	ng	0.00
25) Fluoranthene-d10	19.69	212	34045	0.33	ng	0.00
29) Terphenyl-d14	20.24	244	8461	0.53	ng	-0.01

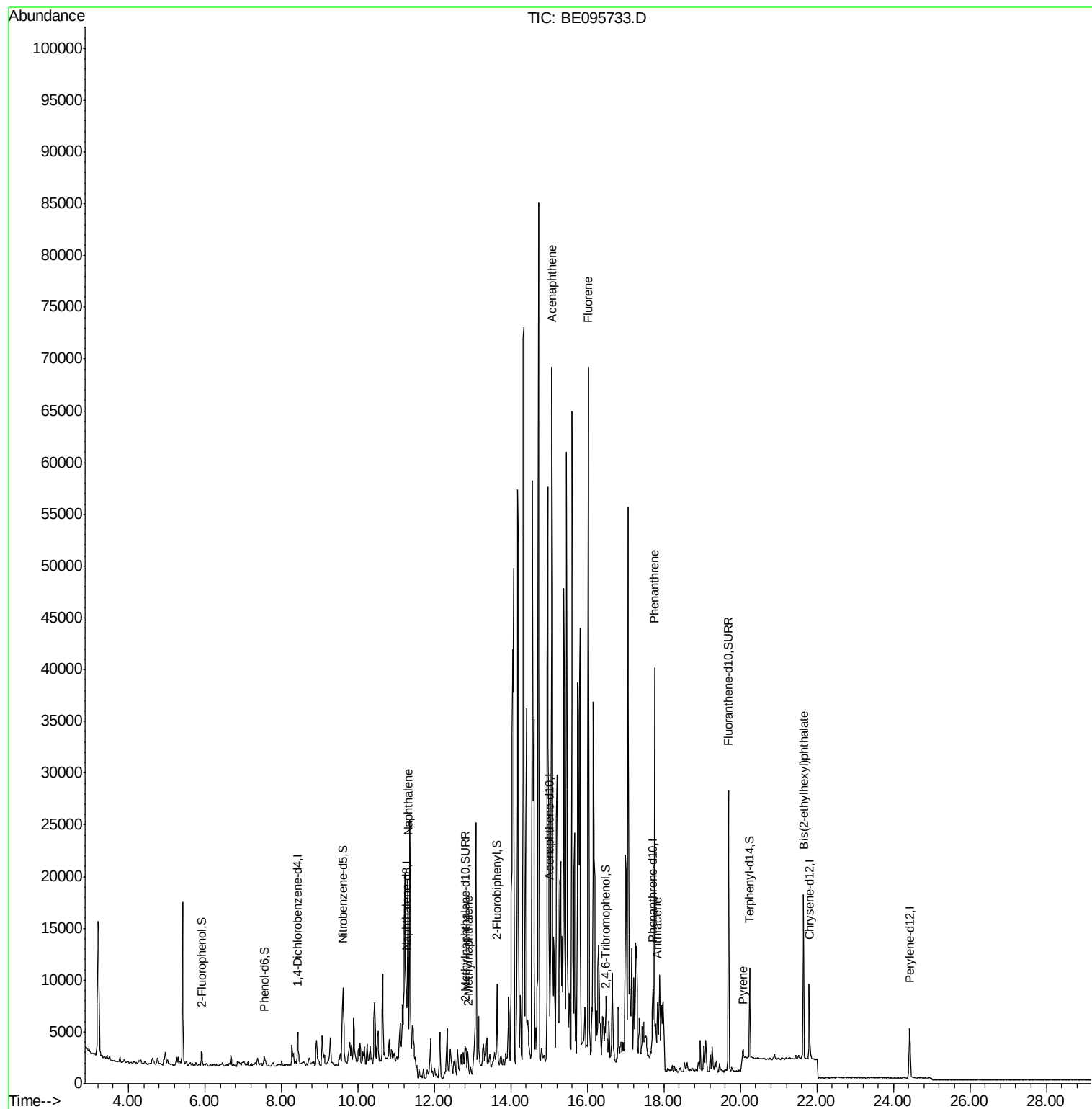
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	11.31	128	21087	0.297	ng	# 77
12) 2-Methylnaphthalene	12.88	142	1703	0.139	ng	# 76
17) Acenaphthene	15.07	154	17860	1.109	ng	# 70
18) Fluorene	16.03	166	45705	2.289	ng	# 80
23) Phenanthrene	17.75	178	43194	1.759	ng	# 92
24) Anthracene	17.83	178	5232	0.232	ng	# 78
28) Pyrene	20.07	202	1095	0.033	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.66	149	19955	0.430	ng	98

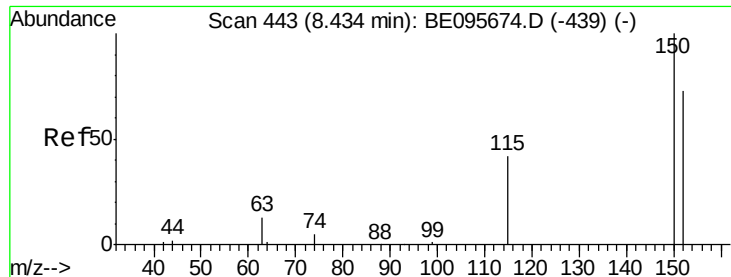
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.43 min Scan# 569

Delta R.T. -0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

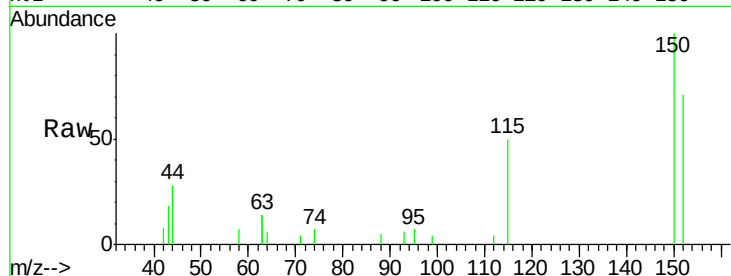
Tot Ion:152 Resp: 1558

Ion Ratio Lower Upper

152 100

150 141.3 117.2 175.8

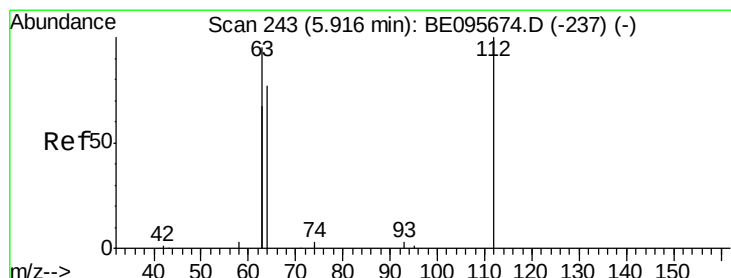
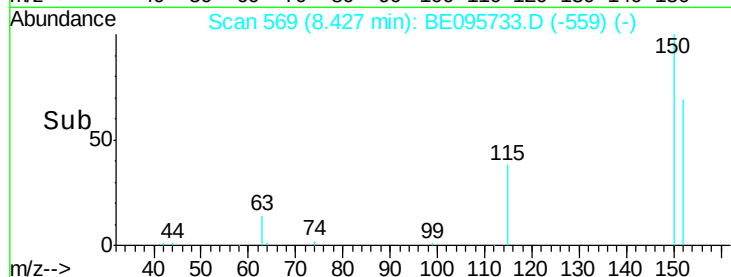
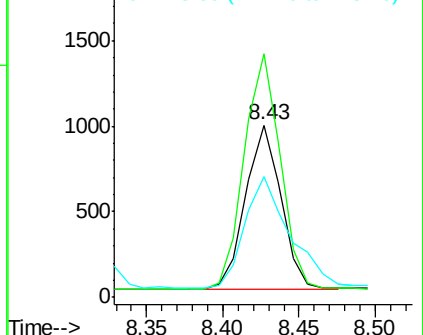
115 70.1 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.164 ng

RT: 5.92 min Scan# 313

Delta R.T. 0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

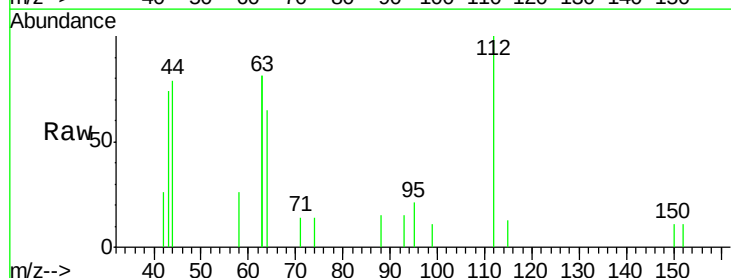
Tgt Ion:112 Resp: 676

Ion Ratio Lower Upper

112 100

64 74.1 60.1 90.1

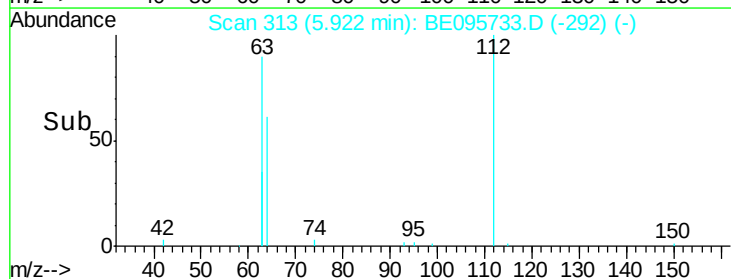
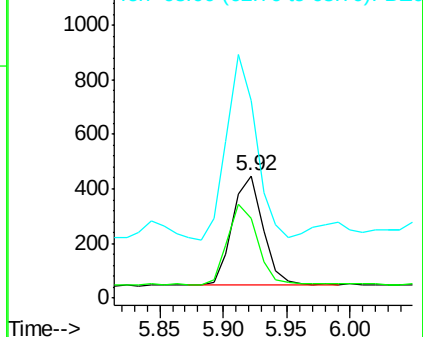
63 161.7 116.8 175.2

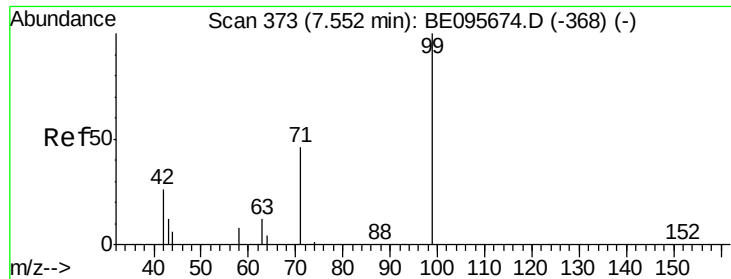


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.120 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

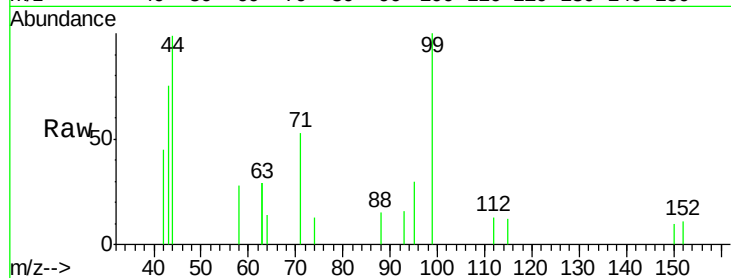
Tot Ion: 99 Resp: 685

Ion Ratio Lower Upper

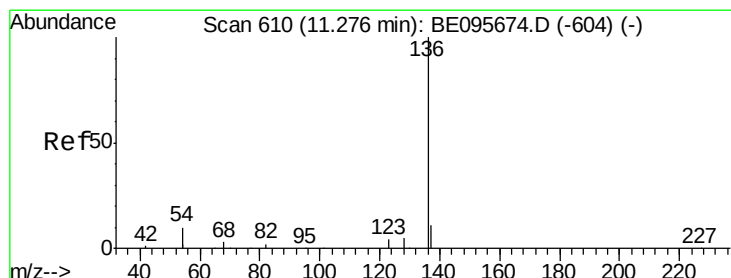
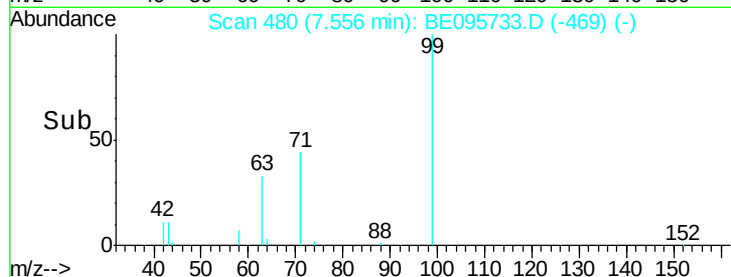
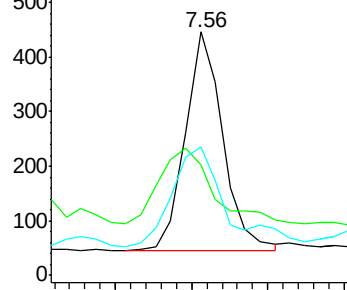
99 100

42 48.9 20.2 30.2#

71 63.1 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Tgt Ion: 136 Resp: 6152

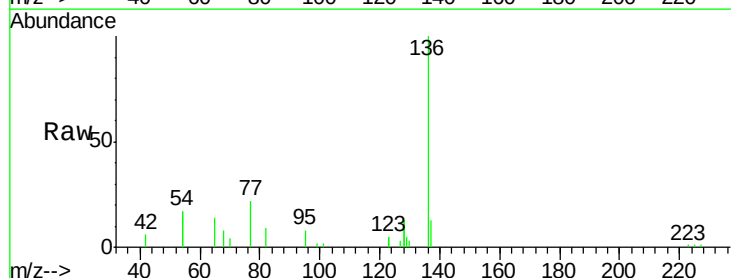
Ion Ratio Lower Upper

136 100

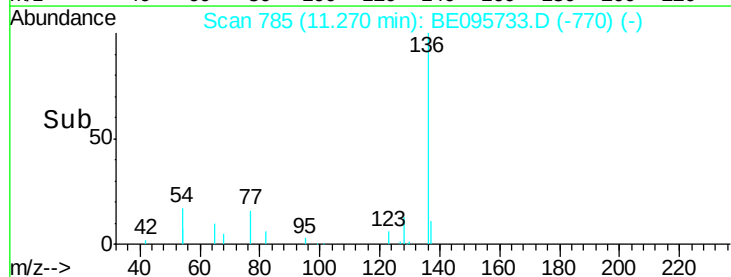
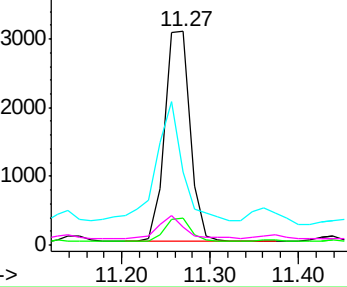
137 12.8 9.5 14.3

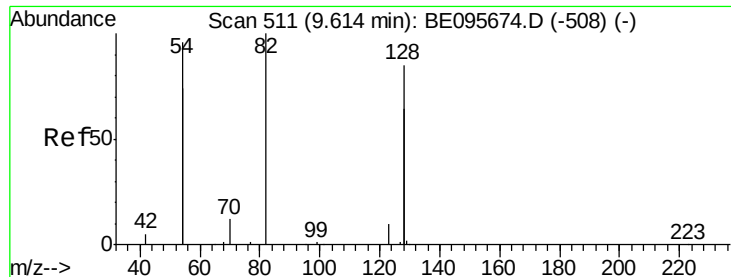
54 33.9 29.1 43.7

68 8.2 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: 0.413 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampled :

C190137

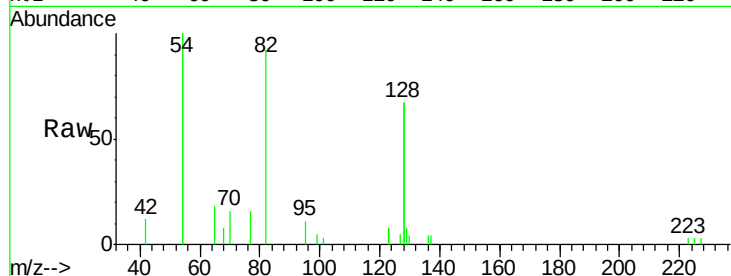
Tot Ion: 82 Resp: 2617

Ion Ratio Lower Upper

82 100

128 145.4 150.0 225.0#

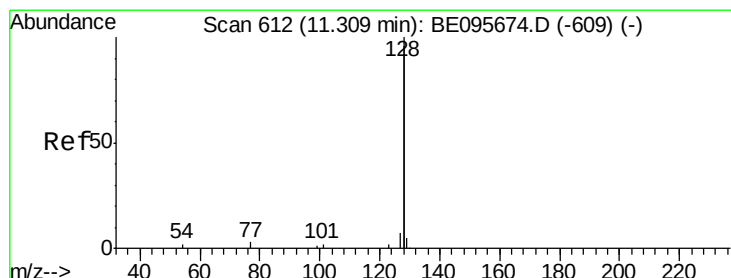
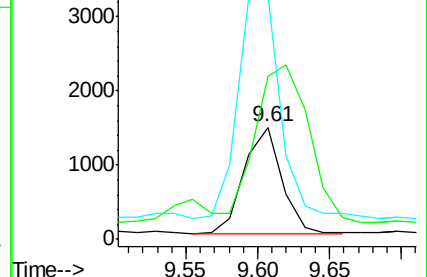
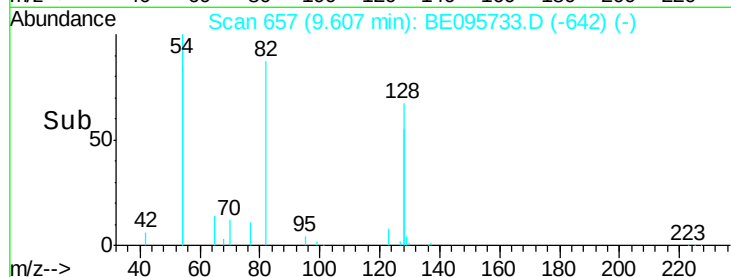
54 216.6 154.2 231.4



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: 0.297 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

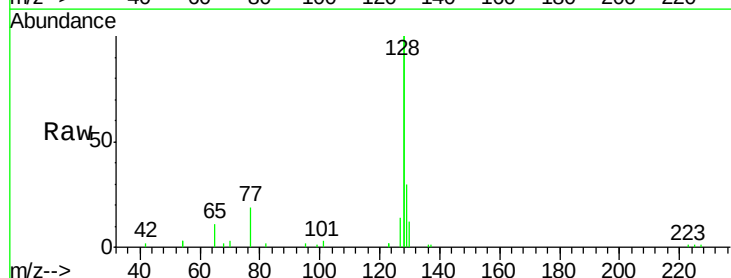
Tgt Ion: 128 Resp: 21087

Ion Ratio Lower Upper

128 100

129 15.1 2.6 3.8#

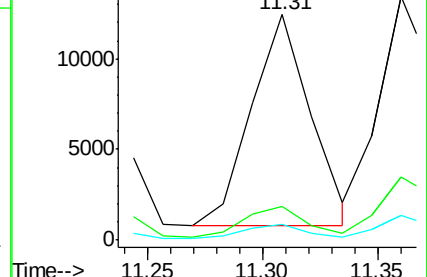
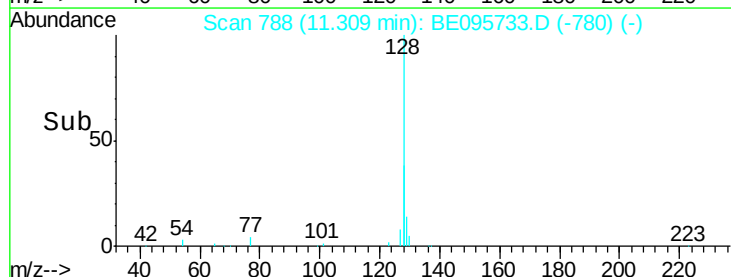
127 6.9 2.8 4.2#

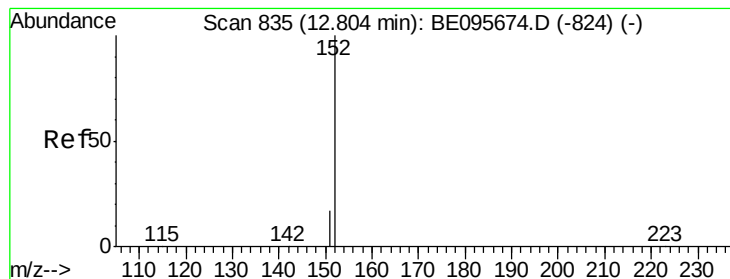


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

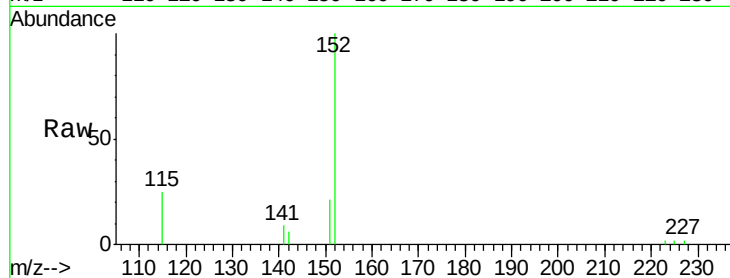
C190137

Tot Ion:152 Resp: 3336

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

12.80

2500

2000

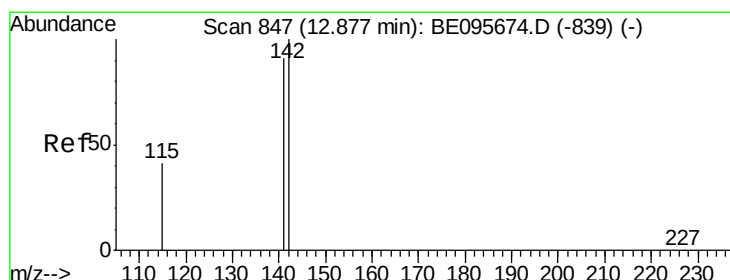
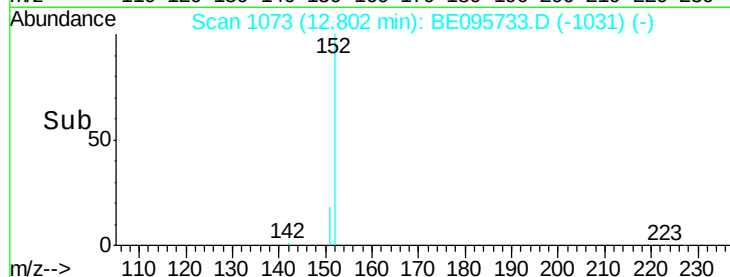
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.139 ng

RT: 12.88 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

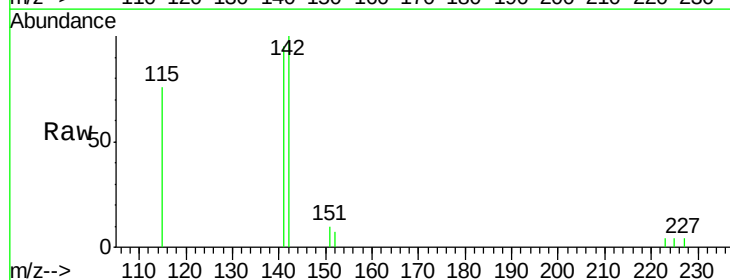
Tgt Ion:142 Resp: 1703

Ion Ratio Lower Upper

142 100

141 95.4 70.4 105.6

115 75.7 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

3000

2500

2000

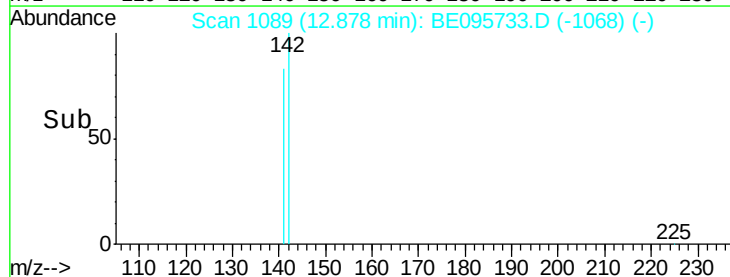
1500

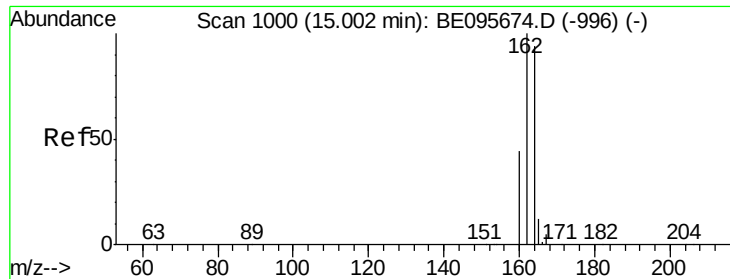
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

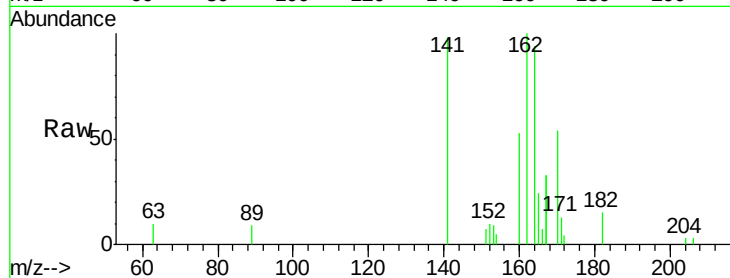
Tot Ion:164 Resp: 4564

Ion Ratio Lower Upper

164 100

162 105.9 83.1 124.7

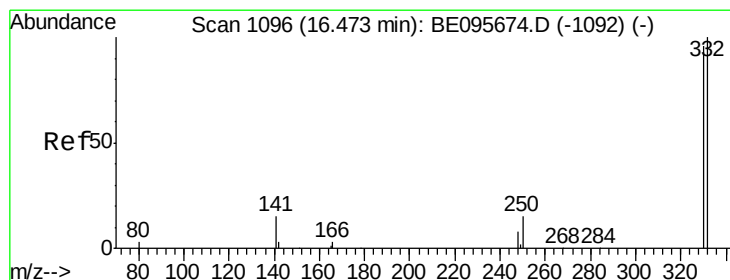
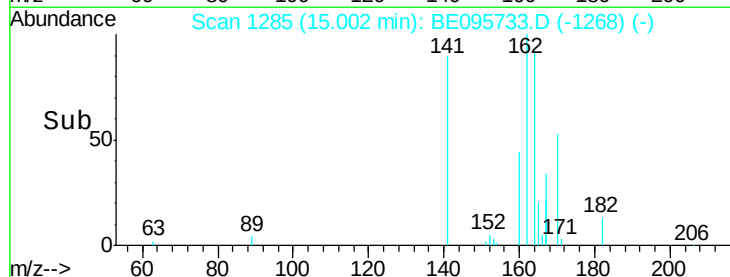
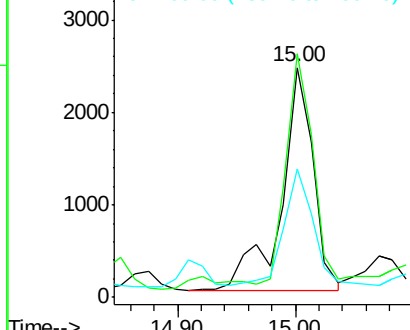
160 56.0 37.1 55.7#



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: 0.392 ng

RT: 16.47 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

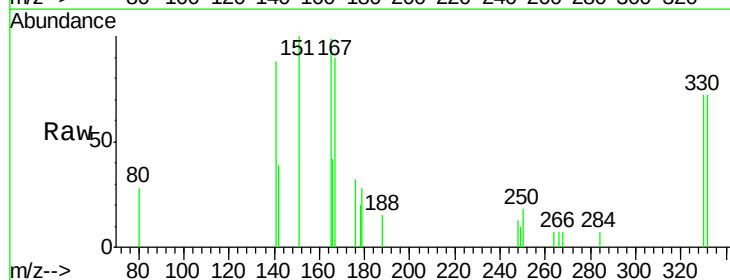
Tgt Ion:330 Resp: 604

Ion Ratio Lower Upper

330 100

332 100.3 152.7 229.1#

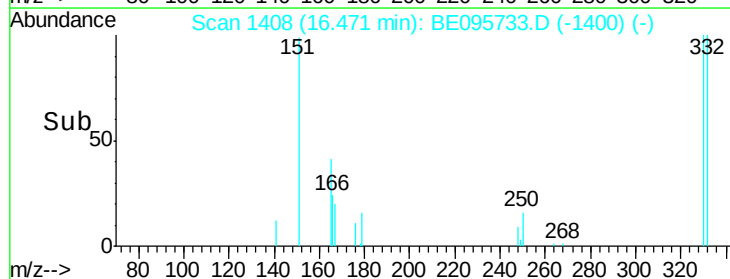
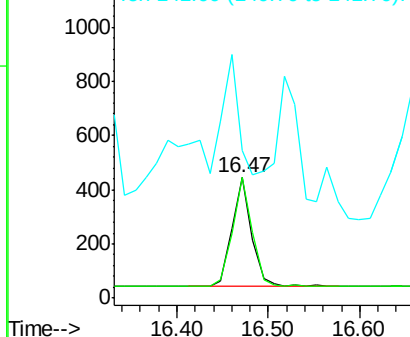
141 93.7 33.7 50.5#

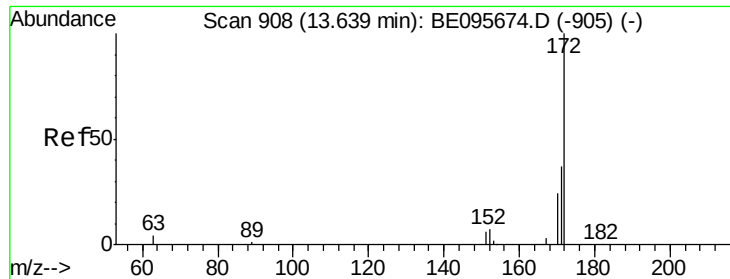


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

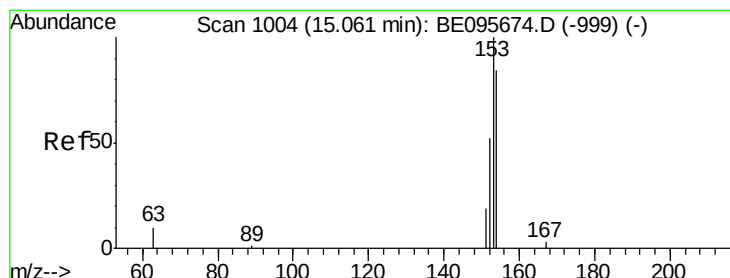
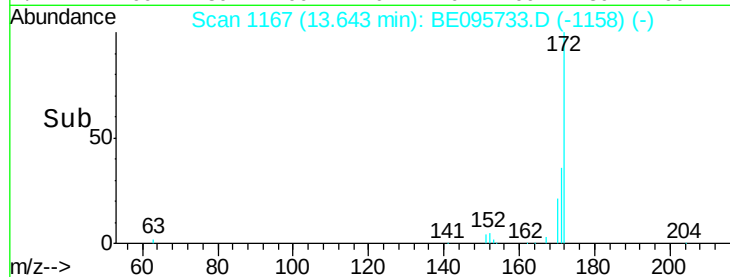
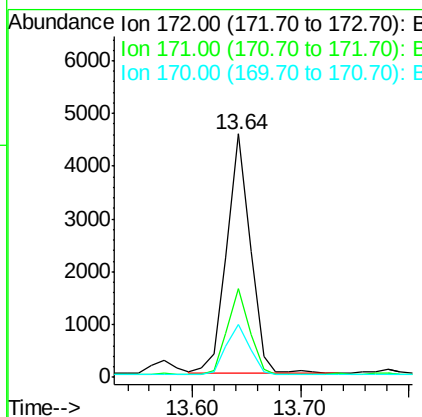
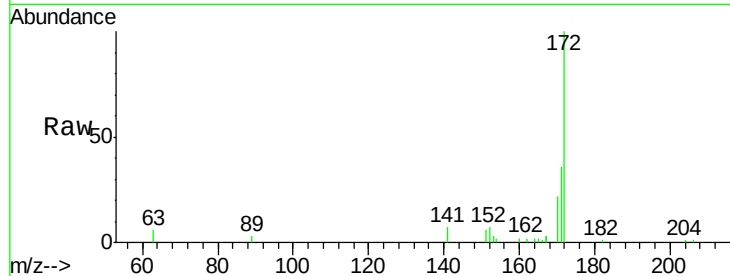




#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.64 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BE095733.D
Acq: 12 Mar 2018 16:55

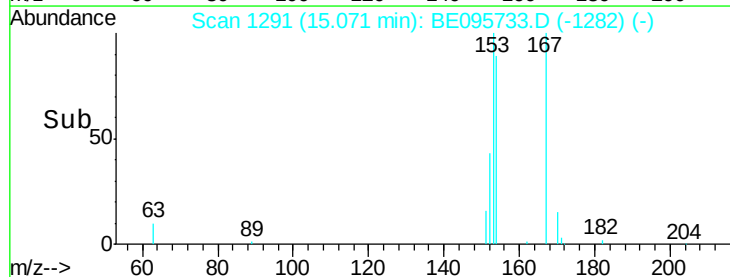
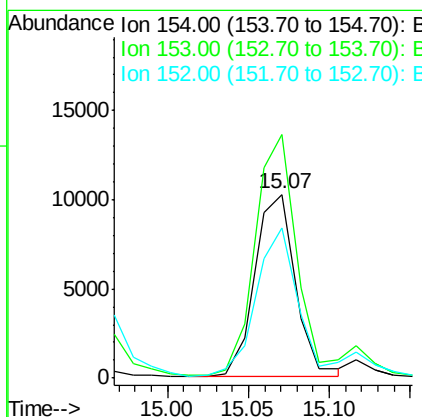
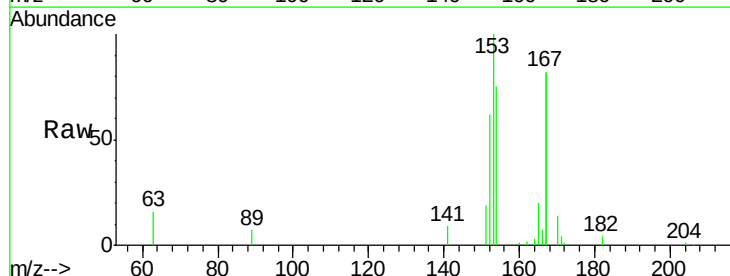
Instrument :
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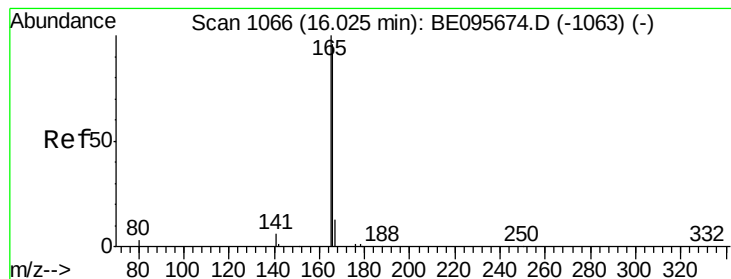
Tot Ion:172 Resp: 6945
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 22.0 21.8 32.8



#17
Acenaphthene
Concen: 1.109 ng
RT: 15.07 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BE095733.D
Acq: 12 Mar 2018 16:55

Tgt Ion:154 Resp: 17860
Ion Ratio Lower Upper
154 100
153 135.2 89.2 133.8#
152 84.3 42.0 63.0#





#18

Fluorene

Concen: 2.289 ng

RT: 16.03 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

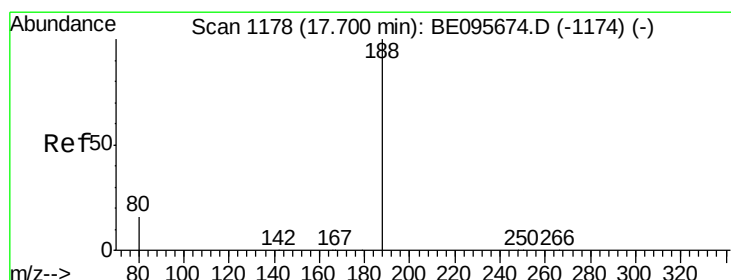
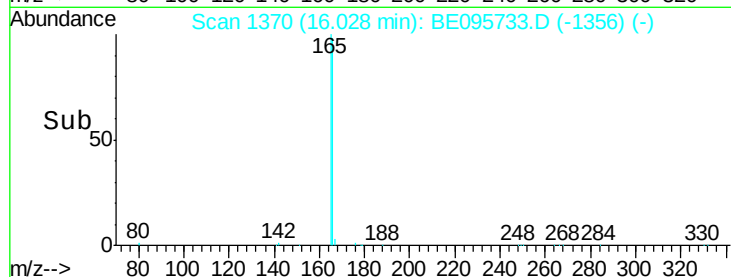
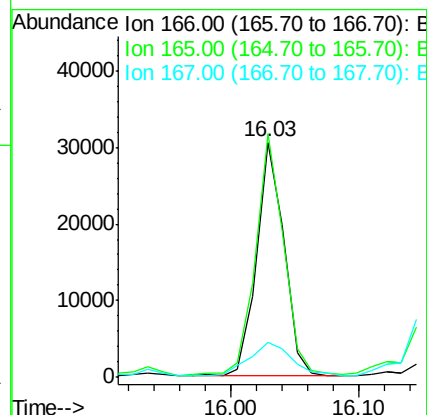
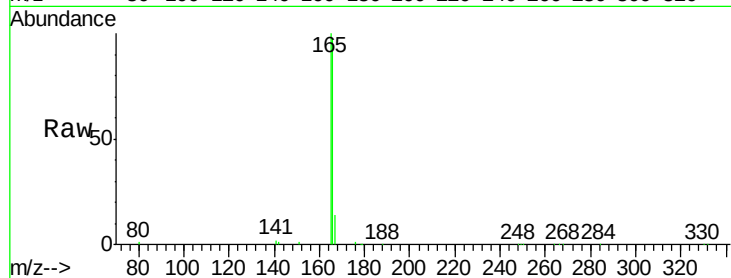
Tot Ion:166 Resp: 45705

Ion Ratio Lower Upper

166 100

165 105.2 77.8 116.6

167 22.5 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1514

Delta R.T. 0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

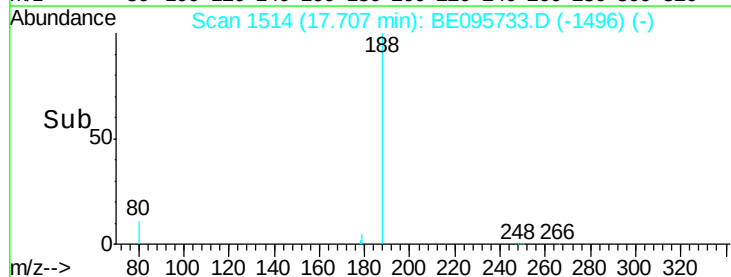
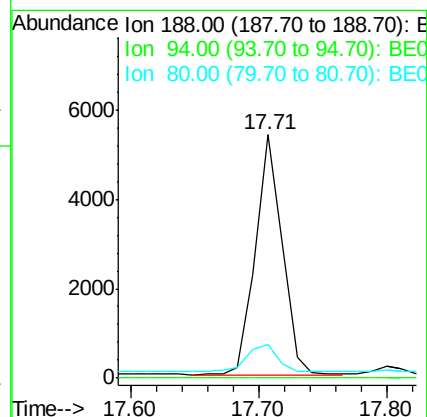
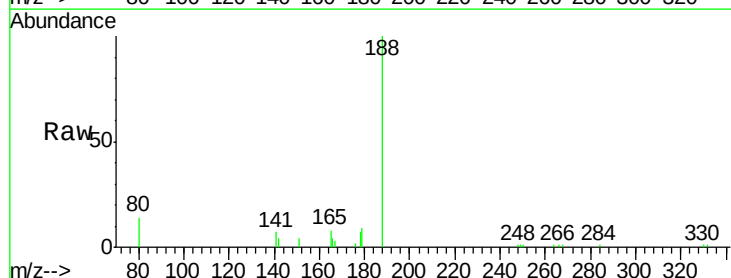
Tgt Ion:188 Resp: 7857

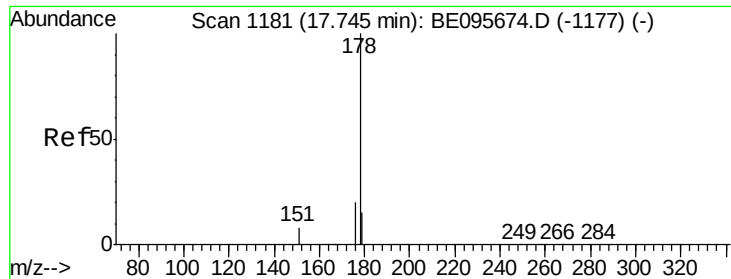
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 14.0 3.6 5.4#





#23

Phenanthrene

Concen: 1.759 ng

RT: 17.75 min Scan# 1518

Delta R.T. 0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

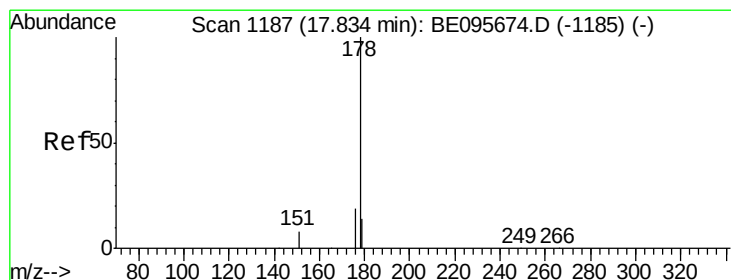
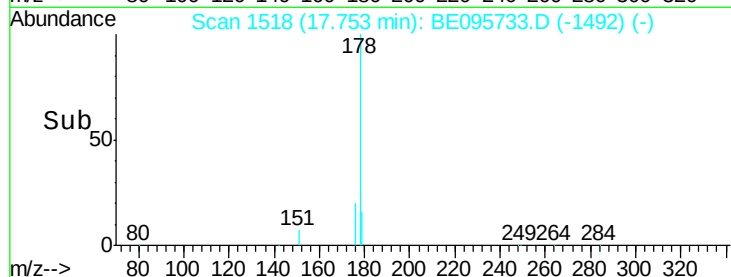
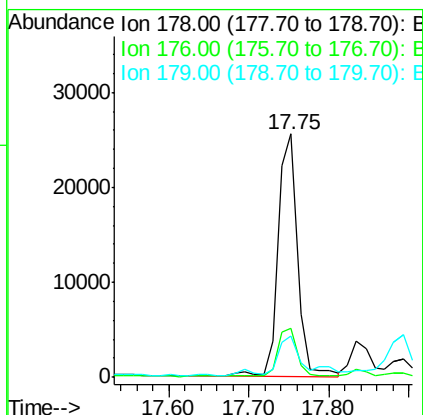
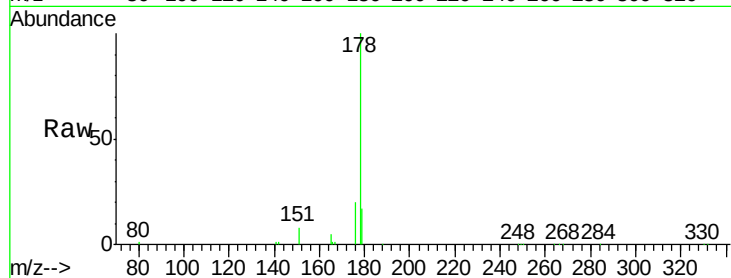
Tot Ion:178 Resp: 43194

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

179 21.6 11.8 17.6#



#24

Anthracene

Concen: 0.232 ng

RT: 17.83 min Scan# 1525

Delta R.T. 0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

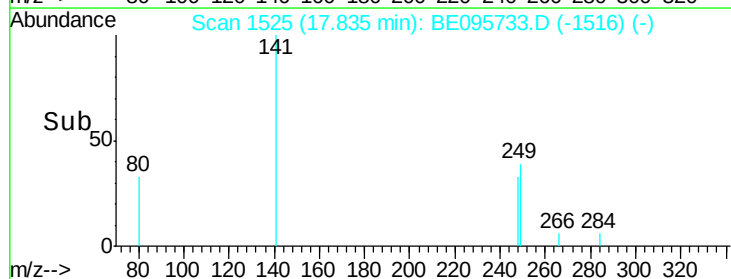
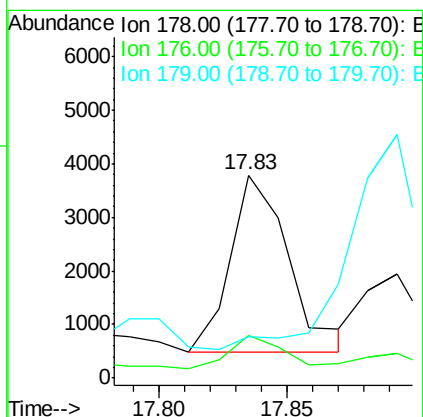
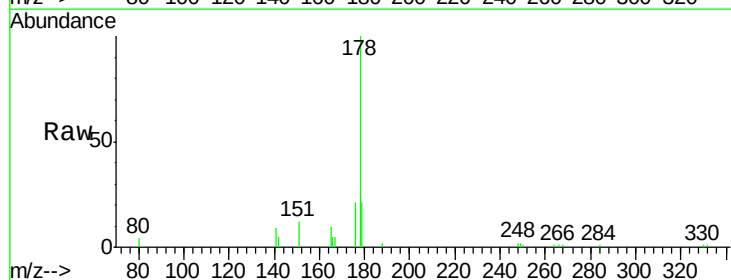
Tgt Ion:178 Resp: 5232

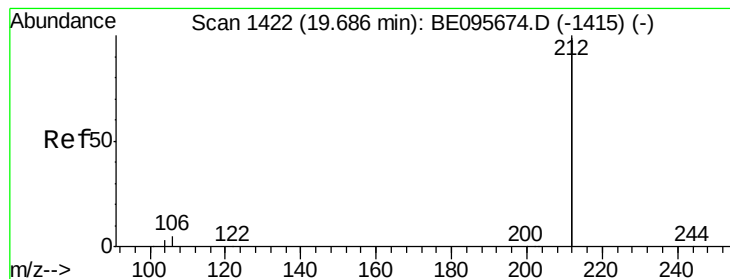
Ion Ratio Lower Upper

178 100

176 18.0 12.8 19.2

179 0.0 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 19.69 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

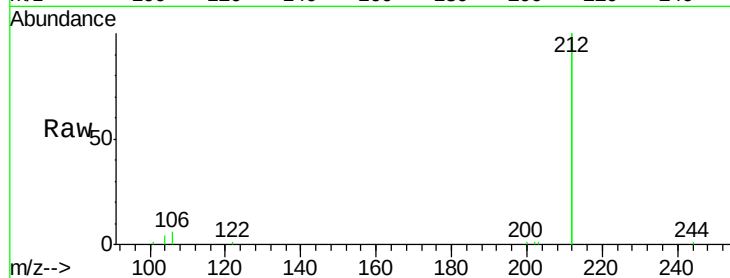
Tot Ion:212 Resp: 34045

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

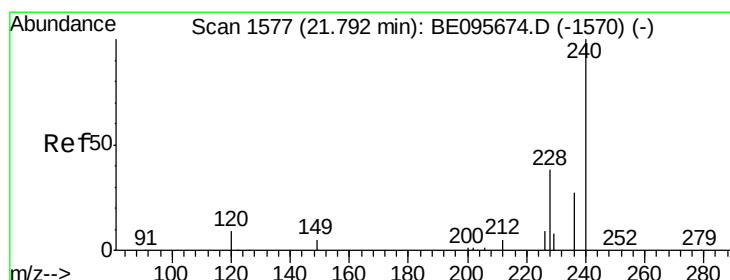
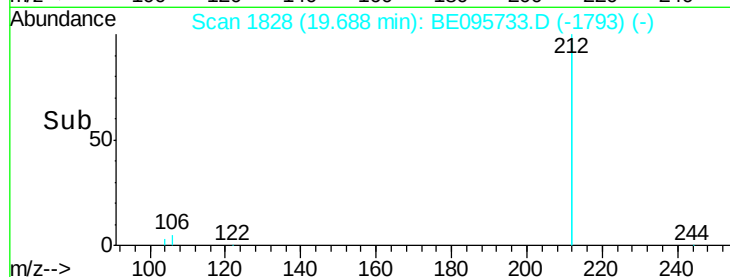
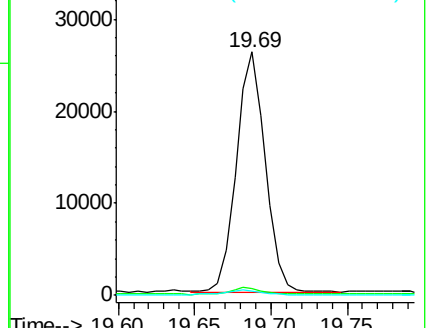
104 2.1 1.6 2.4



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: 21.80 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

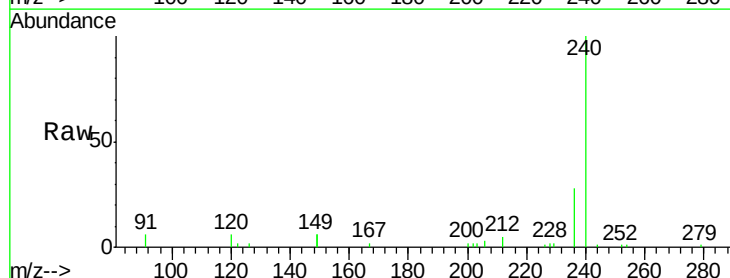
Tgt Ion:240 Resp: 8051

Ion Ratio Lower Upper

240 100

120 6.2 5.5 8.3

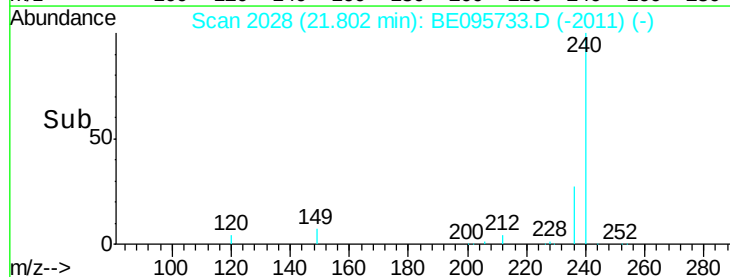
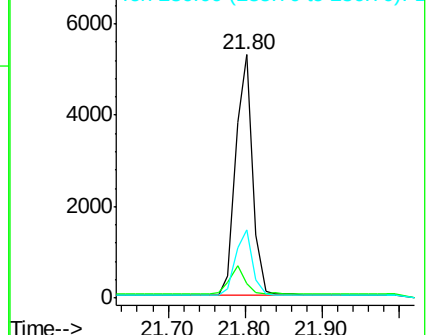
236 27.9 20.7 31.1

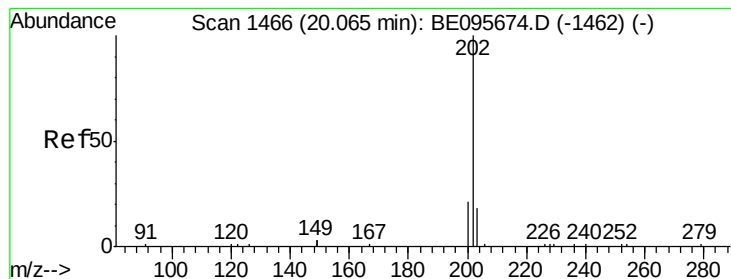


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.033 ng

RT: 20.07 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

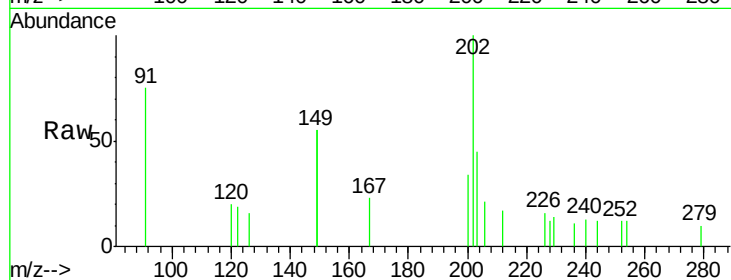
Tot Ion:202 Resp: 1095

Ion Ratio Lower Upper

202 100

200 23.2 16.6 25.0

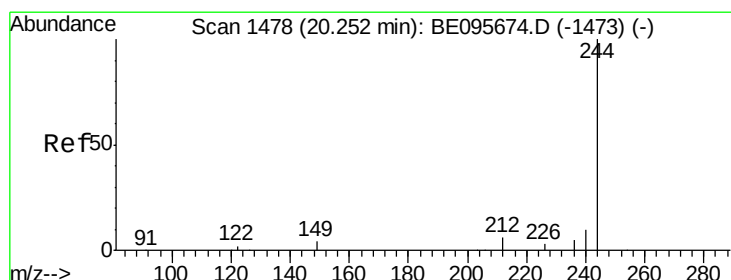
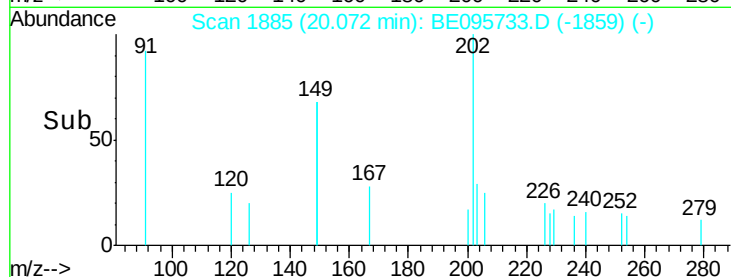
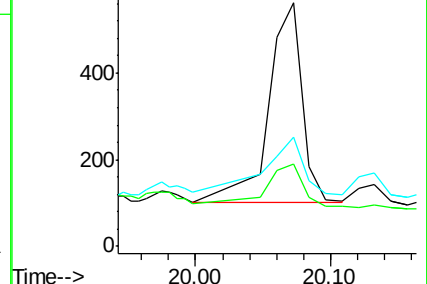
203 33.6 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.527 ng

RT: 20.24 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

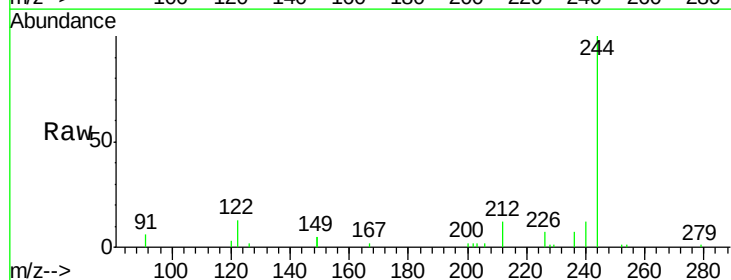
Tgt Ion:244 Resp: 8461

Ion Ratio Lower Upper

244 100

212 11.5 25.4 38.0#

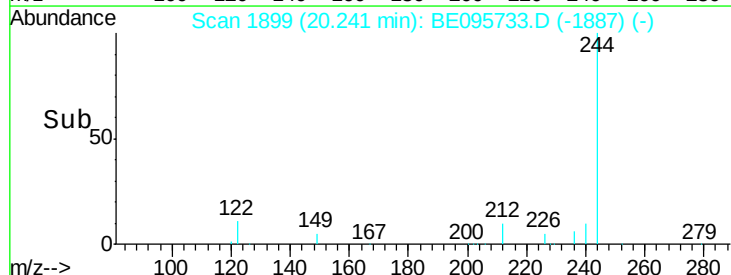
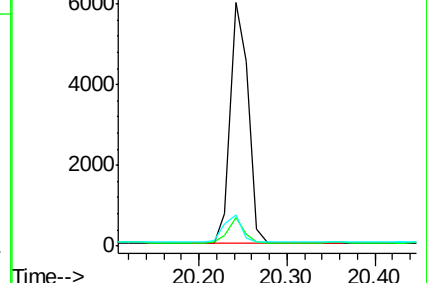
122 12.9 8.1 12.1#

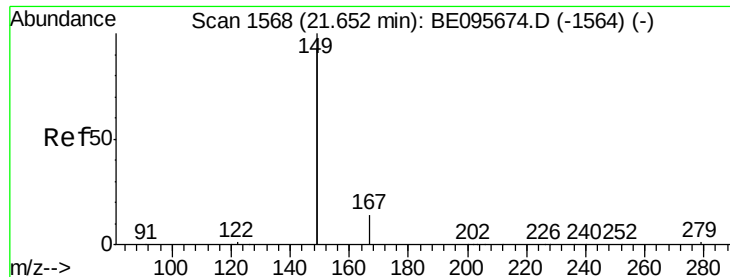


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.430 ng

RT: 21.66 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

Instrument :

BNA_E

ClientSampleId :

C190137

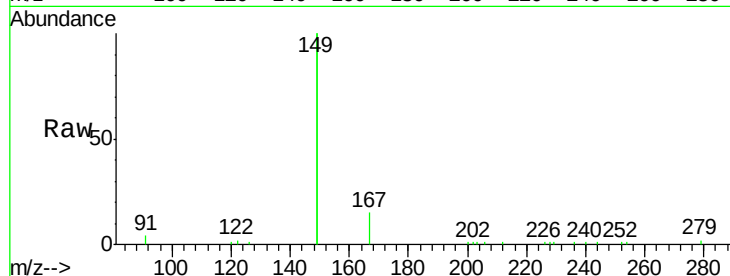
Tot Ion:149 Resp: 19955

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

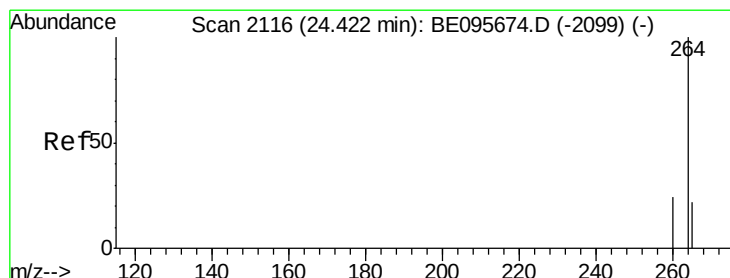
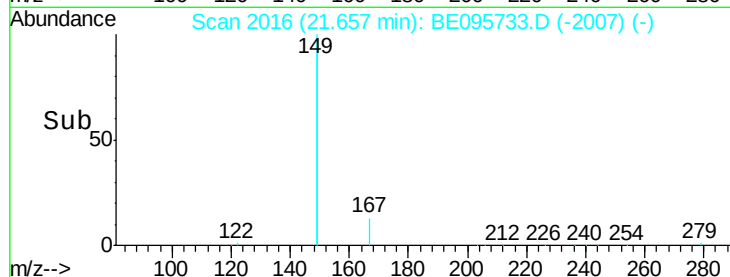
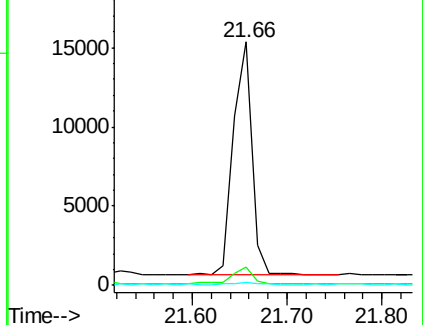
279 0.9 0.7 1.1



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: 24.43 min Scan# 2719

Delta R.T. 0.01 min

Lab File: BE095733.D

Acq: 12 Mar 2018 16:55

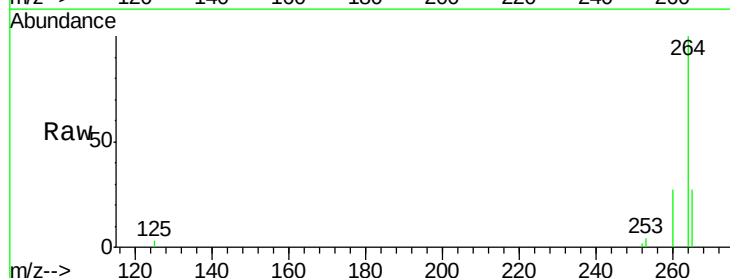
Tgt Ion:264 Resp: 7573

Ion Ratio Lower Upper

264 100

260 26.7 20.5 30.7

265 26.7 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

