

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031795.D
 Acq On : 27 Dec 2017 14:14
 Operator : SJ/JU
 Sample : I7049-03RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3074-RT-917RE

Quant Time: Dec 28 07:30:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

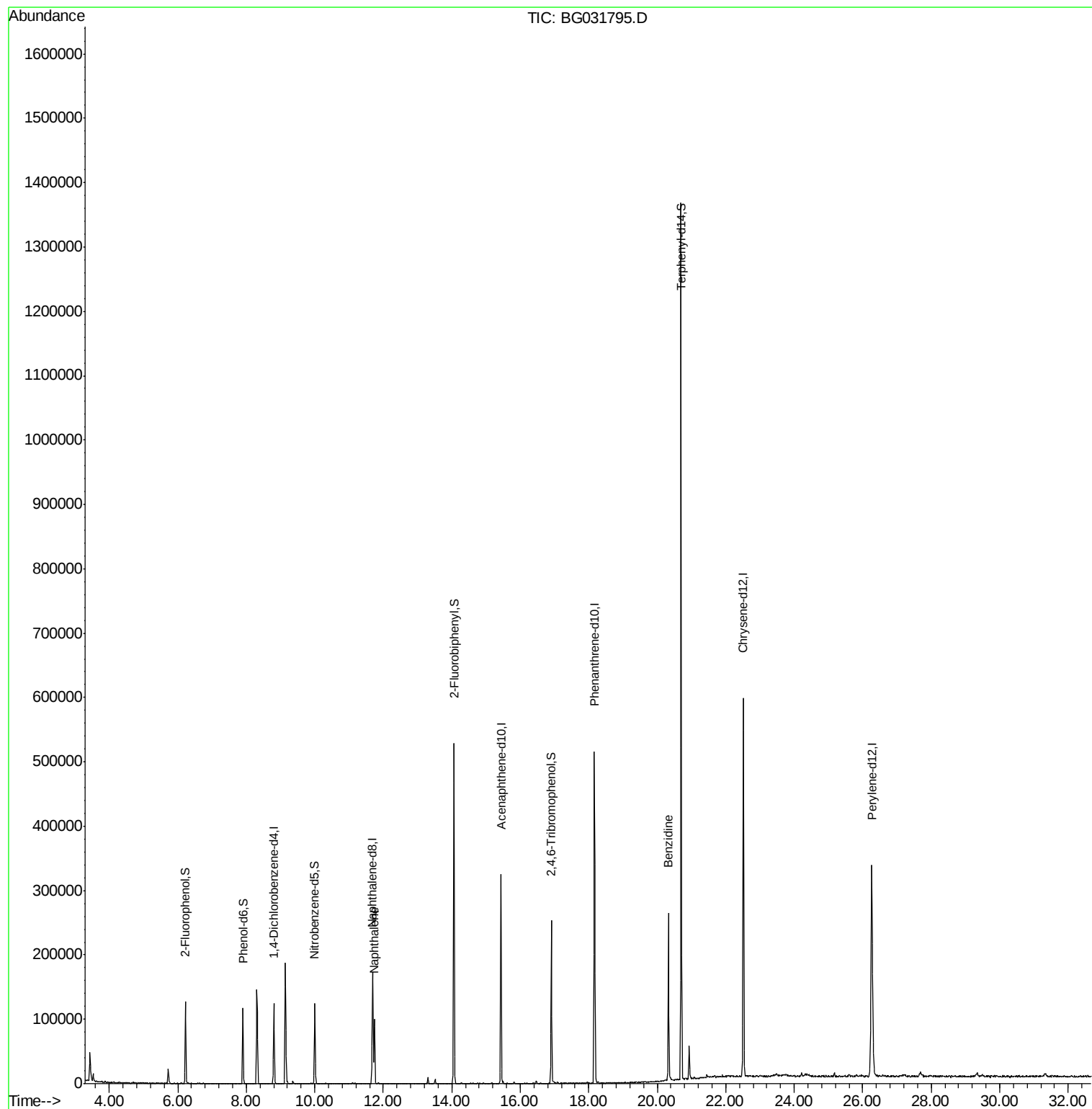
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	43652	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	178225	20.00	ng	-0.04
38) Acenaphthene-d10	15.43	164	128806	20.00	ng	-0.04
63) Phenanthrene-d10	18.16	188	357040	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	439101	20.00	ng	-0.06
86) Perylene-d12	26.26	264	471305	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	69721	29.09	ng	-0.02
7) Phenol-d6	7.90	99	79356	25.50	ng	-0.03
23) Nitrobenzene-d5	10.00	82	82758	35.06	ng	-0.04
41) 2,4,6-Tribromophenol	16.91	330	63774	32.45	ng	-0.04
44) 2-Fluorobiphenyl	14.06	172	327182	31.88	ng	-0.04
78) Terphenyl-d14	20.70	244	716745	37.29	ng	-0.04
Target Compounds						
31) Naphthalene	11.74	128	97990	10.894	ng	98
76) Benzidine	20.33	184	179562	13.249	ng	97

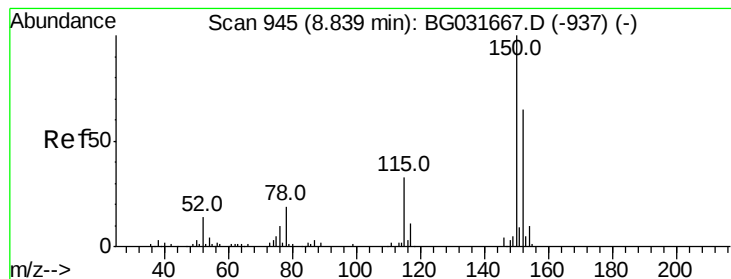
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.80 min Scan# 939

Delta R.T. -0.03 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

Instrument :

BNA_G

ClientSampleId :

RT-3074-RT-917RE

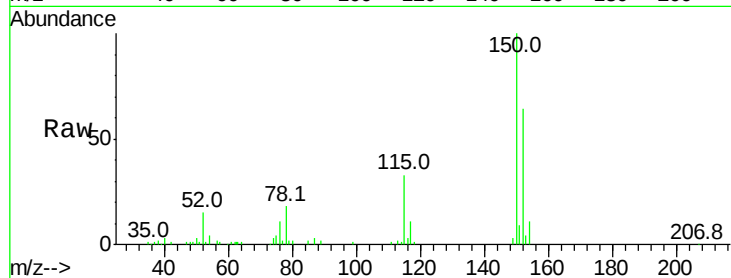
Tot Ion:152 Resp: 43652

Ion Ratio Lower Upper

152 100

150 155.3 126.6 189.8

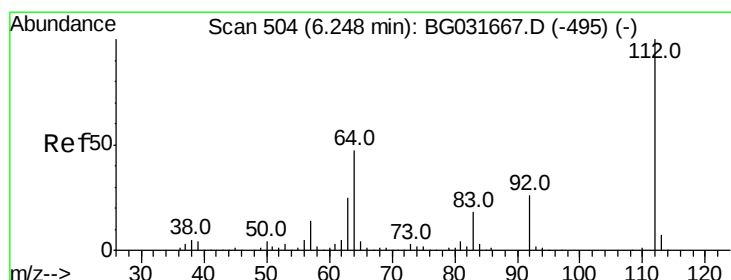
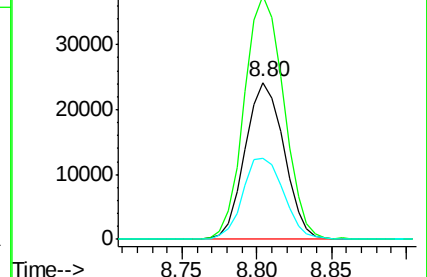
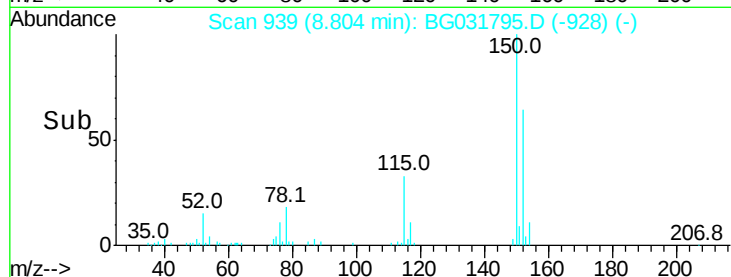
115 51.8 53.0 79.4#



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: 29.091 ng

RT: 6.22 min Scan# 500

Delta R.T. -0.02 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

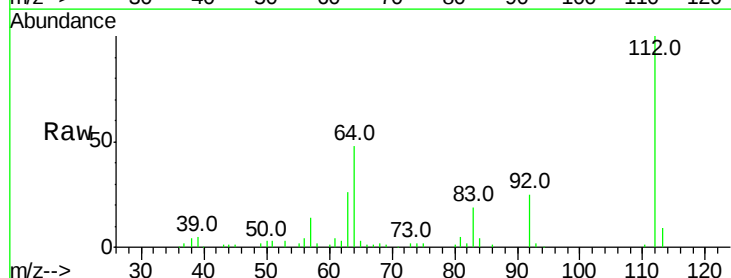
Tgt Ion:112 Resp: 69721

Ion Ratio Lower Upper

112 100

64 48.3 56.3 84.5#

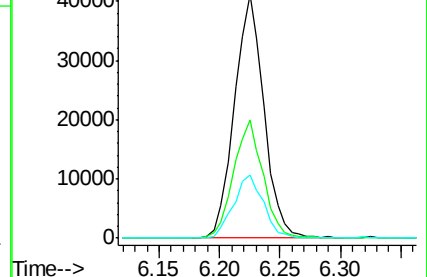
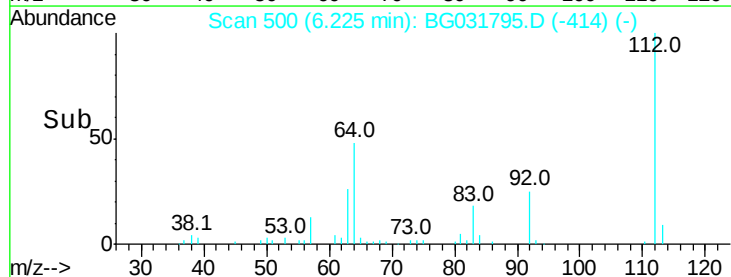
63 25.9 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 25.503 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

Instrument :

BNA_G

ClientSampleId :

RT-3074-RT-917RE

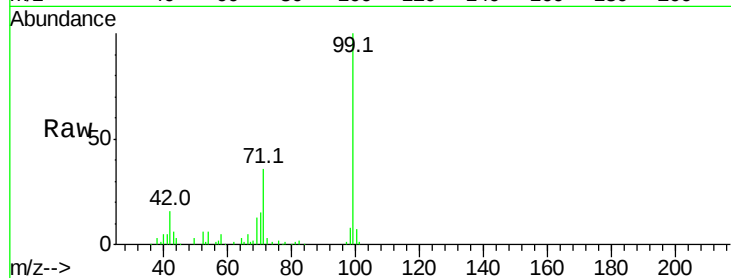
Tot Ion: 99 Resp: 79356

Ion Ratio Lower Upper

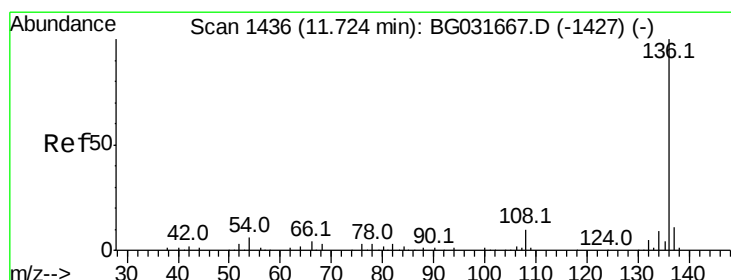
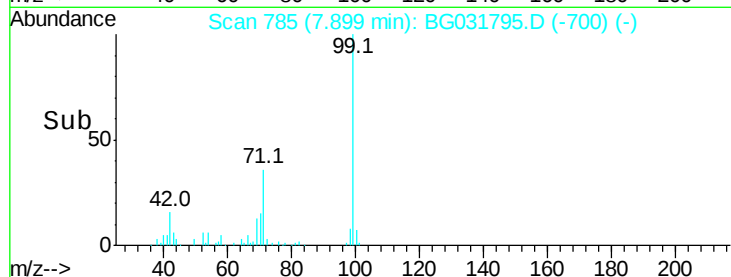
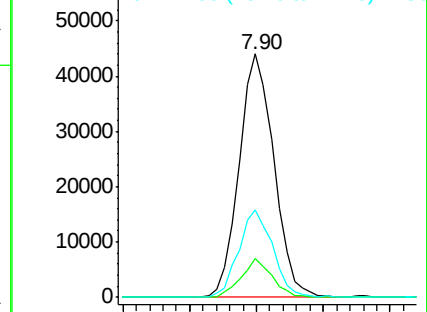
99 100

42 15.8 14.1 21.1

71 35.8 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.69 min Scan# 1430

Delta R.T. -0.04 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

Tgt Ion: 136 Resp: 178225

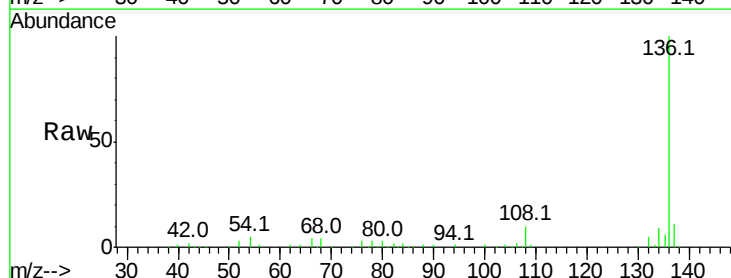
Ion Ratio Lower Upper

136 100

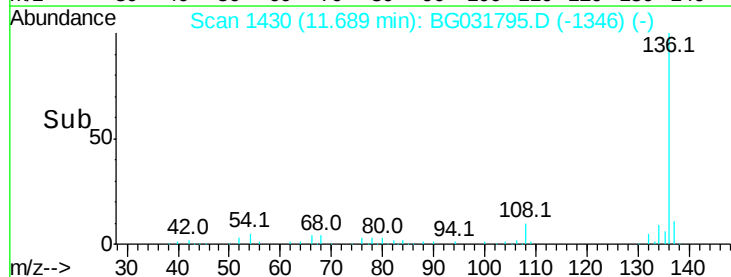
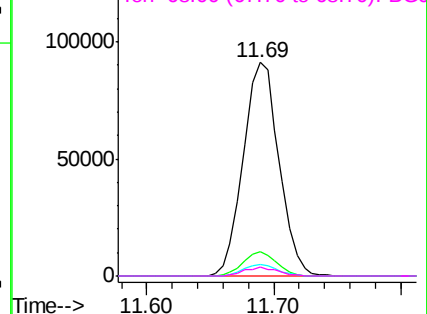
137 11.4 9.2 13.8

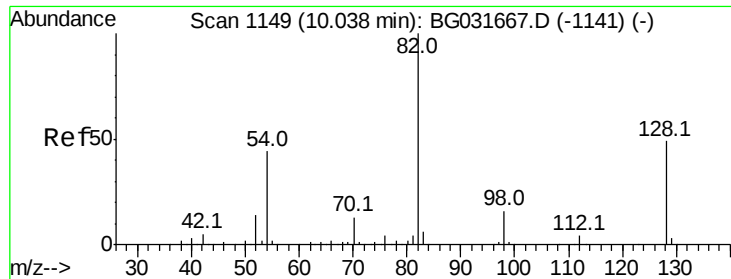
54 5.4 10.3 15.5#

68 4.3 4.5 6.7#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

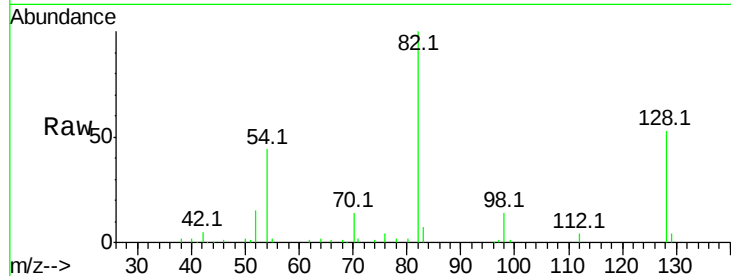




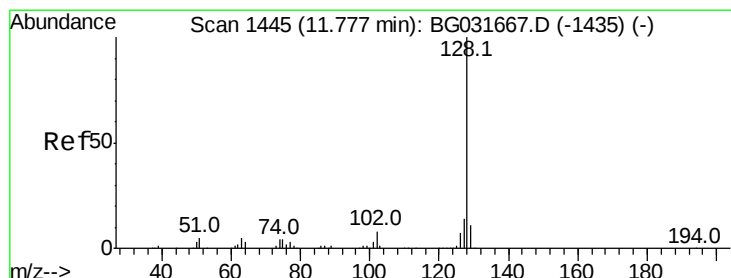
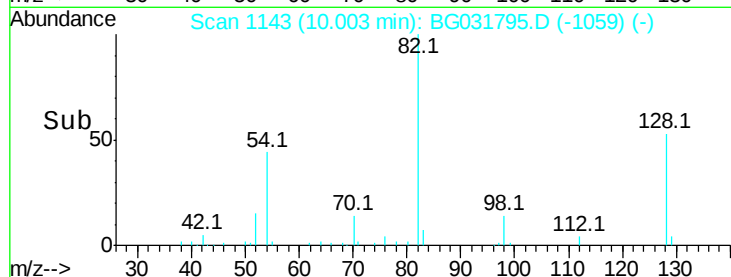
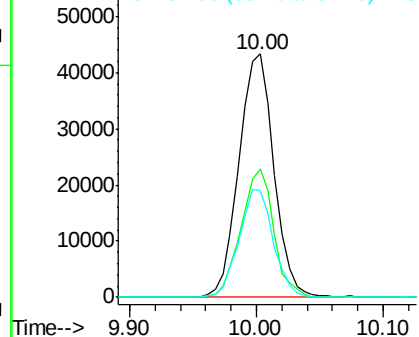
#23
Nitrobenzene-d5
Concen: 35.064 ng
RT: 10.00 min Scan# 1143
Delta R.T. -0.04 min
Lab File: BG031795.D
Acq: 27 Dec 2017 14:14

Instrument :
BNA_G
ClientSampleId :
RT-3074-RT-917RE

Tot Ion: 82 Resp: 82758
Ion Ratio Lower Upper
82 100
128 52.8 29.7 44.5#
54 44.0 43.1 64.7

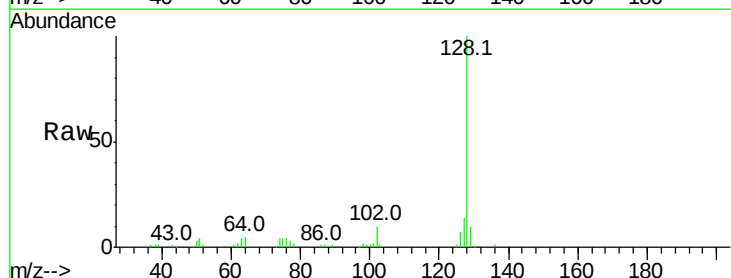


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

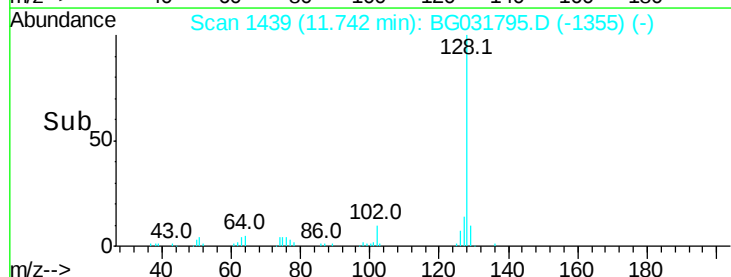
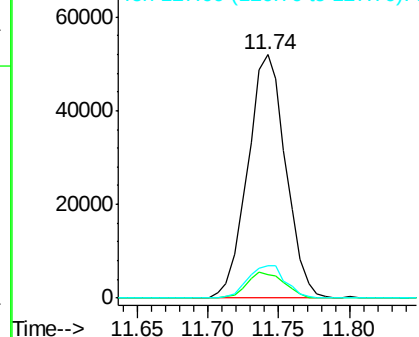


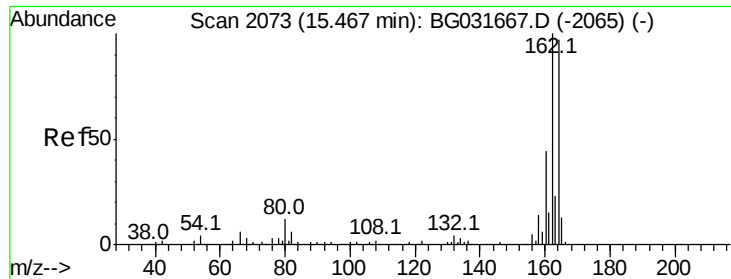
#31
Naphthalene
Concen: 10.894 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.04 min
Lab File: BG031795.D
Acq: 27 Dec 2017 14:14

Tgt Ion:128 Resp: 97990
Ion Ratio Lower Upper
128 100
129 9.7 8.6 12.8
127 13.5 11.6 17.4



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.04 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

Instrument :

BNA_G

ClientSampleId :

RT-3074-RT-917RE

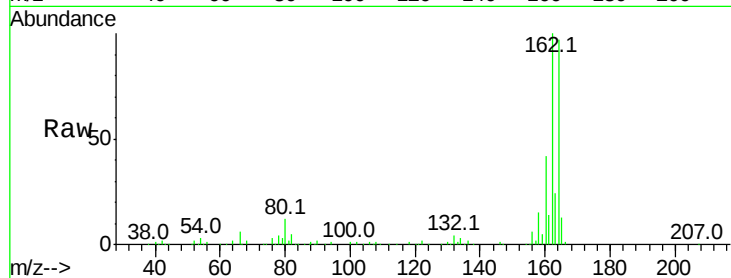
Tot Ion:164 Resp: 128806

Ion Ratio Lower Upper

164 100

162 102.9 78.8 118.2

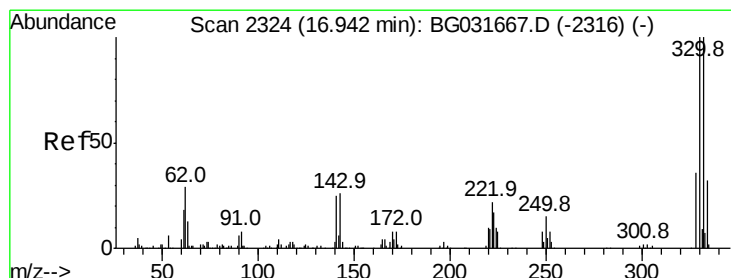
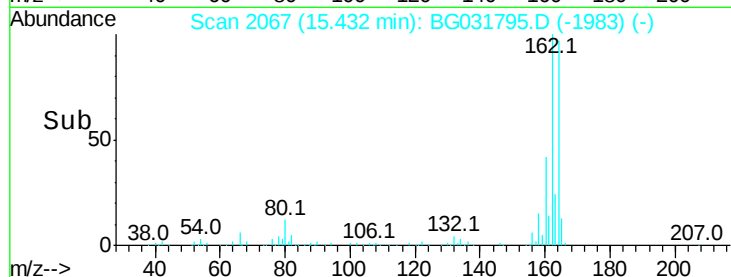
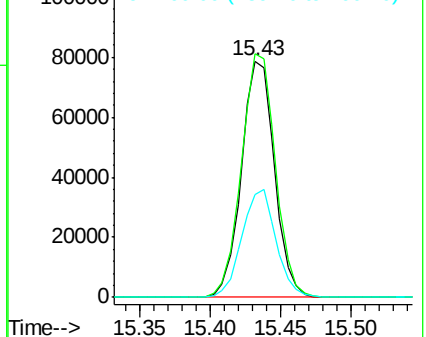
160 43.5 35.4 53.0



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: 32.448 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.04 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

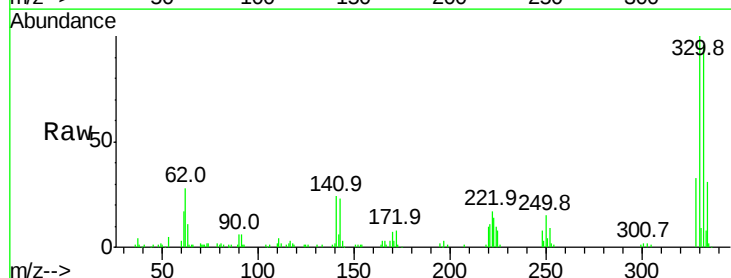
Tgt Ion:330 Resp: 63774

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

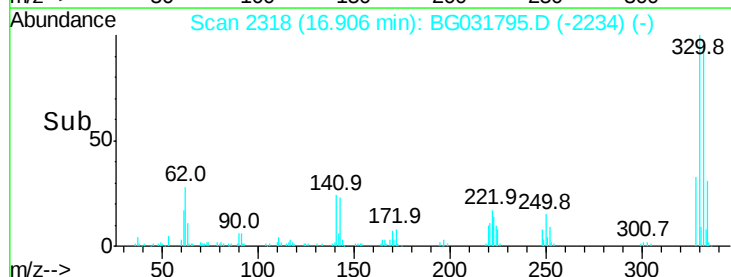
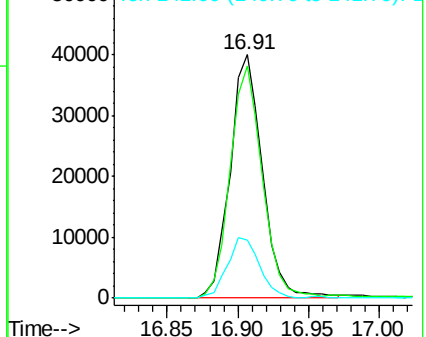
141 24.8 25.2 37.8#



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

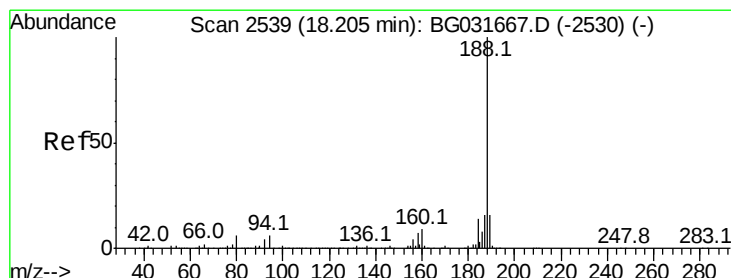
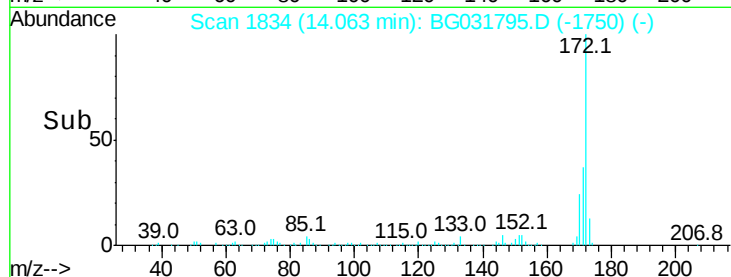
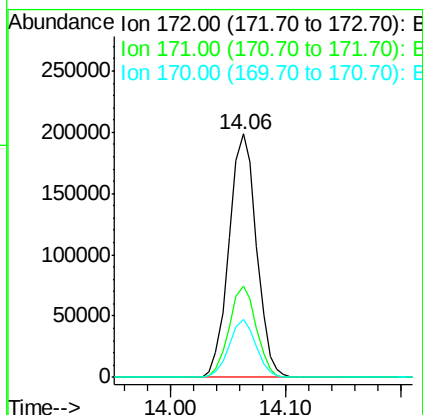
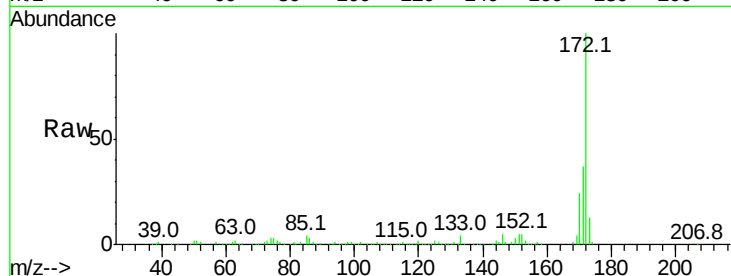




#44
2-Fluorobiphenyl
Concen: 31.882 ng
RT: 14.06 min Scan# 1834
Delta R.T. -0.04 min
Lab File: BG031795.D
Acq: 27 Dec 2017 14:14

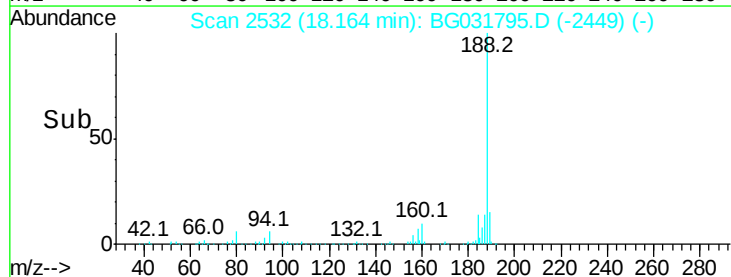
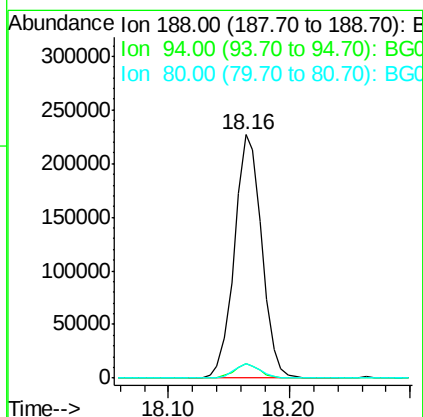
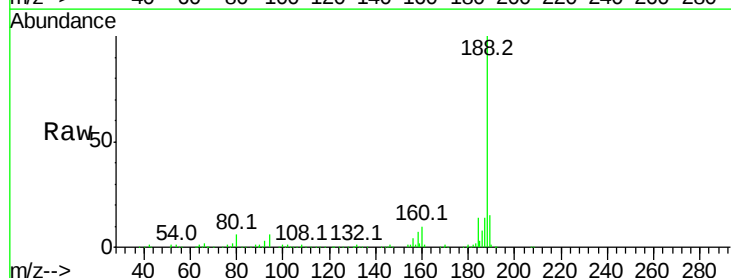
Instrument :
BNA_G
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RT-3074-RT-917RE

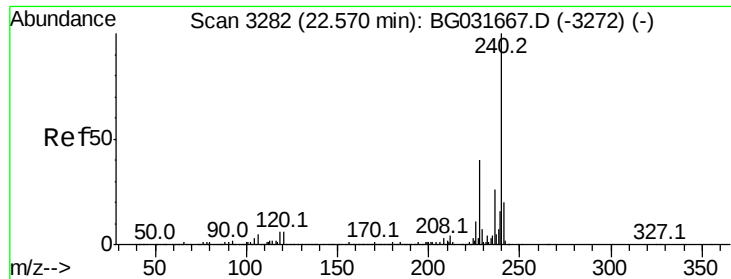
Tot Ion:172 Resp: 327182
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 24.0 19.5 29.3



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.16 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031795.D
Acq: 27 Dec 2017 14:14

Tgt Ion:188 Resp: 357040
Ion Ratio Lower Upper
188 100
94 5.9 6.9 10.3#
80 6.0 7.7 11.5#

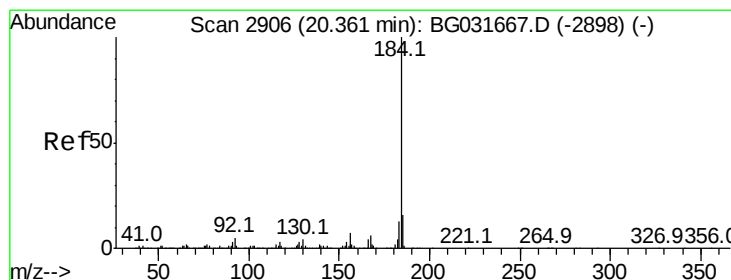
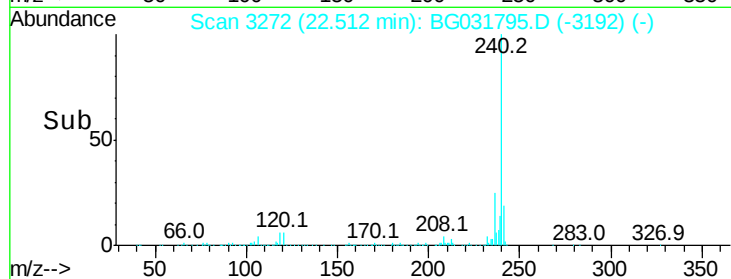
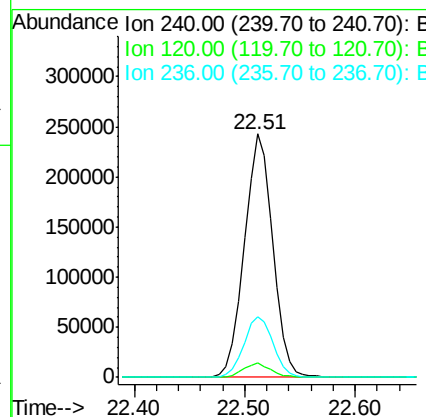
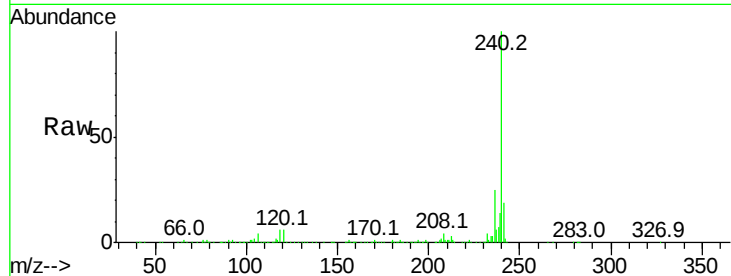




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.51 min Scan# 3272
 Delta R.T. -0.06 min
 Lab File: BG031795.D
 Acq: 27 Dec 2017 14:14

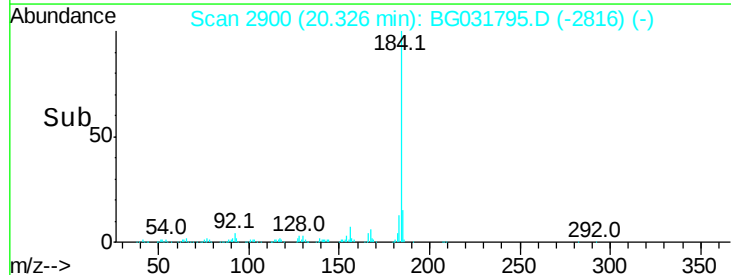
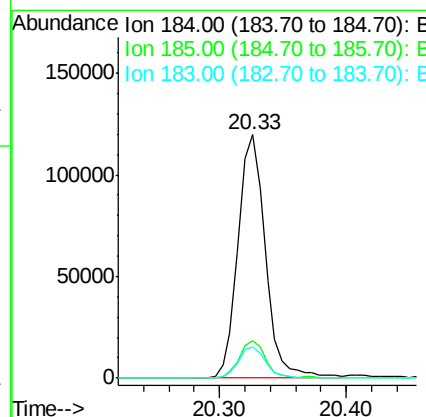
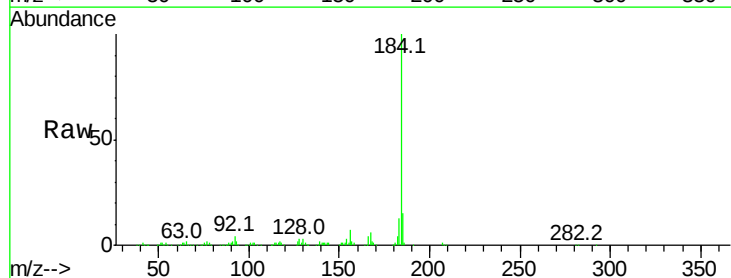
Instrument :
 BNA_G
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 RT-3074-RT-917RE

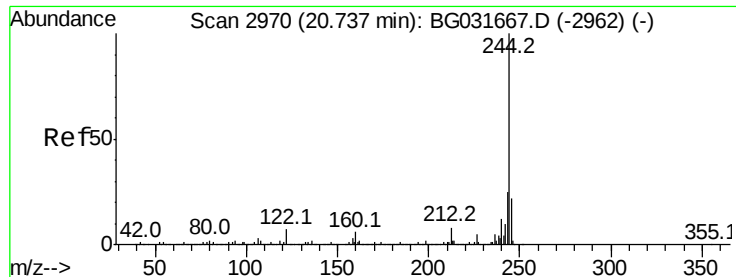
Tot Ion:240 Resp: 439101
 Ion Ratio Lower Upper
 240 100
 120 5.7 6.8 10.2#
 236 24.8 20.9 31.3



#76
 Benzidine
 Concen: 13.249 ng
 RT: 20.33 min Scan# 2900
 Delta R.T. -0.04 min
 Lab File: BG031795.D
 Acq: 27 Dec 2017 14:14

Tgt Ion:184 Resp: 179562
 Ion Ratio Lower Upper
 184 100
 185 15.5 11.1 16.7
 183 12.5 10.6 16.0





#78

Terphenyl-d14

Concen: 37.292 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

Instrument :

BNA_G

ClientSampleId :

RT-3074-RT-917RE

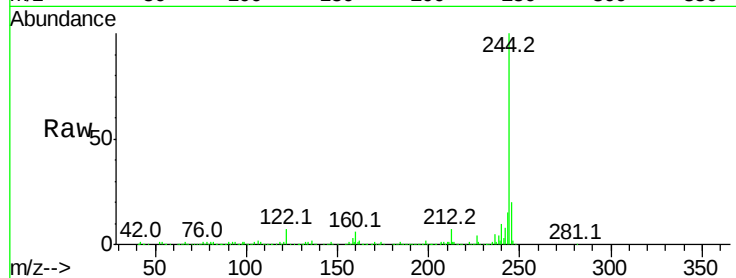
Tot Ion:244 Resp: 716745

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

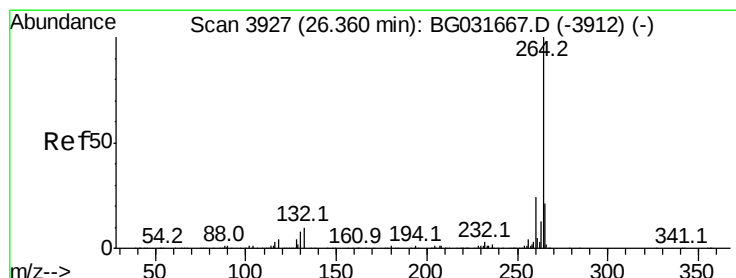
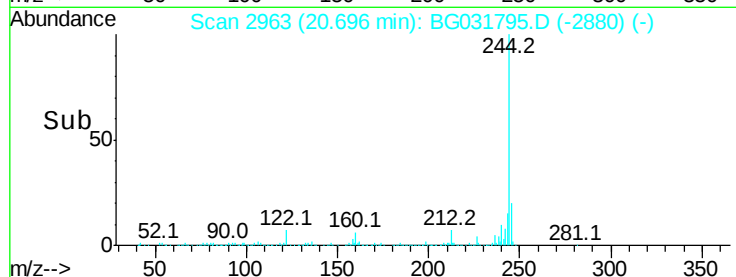
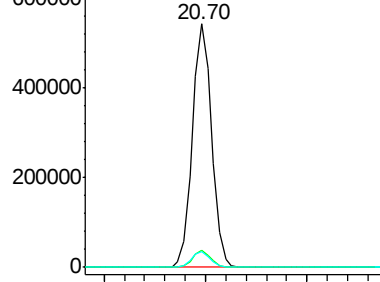
122 6.6 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.26 min Scan# 3910

Delta R.T. -0.10 min

Lab File: BG031795.D

Acq: 27 Dec 2017 14:14

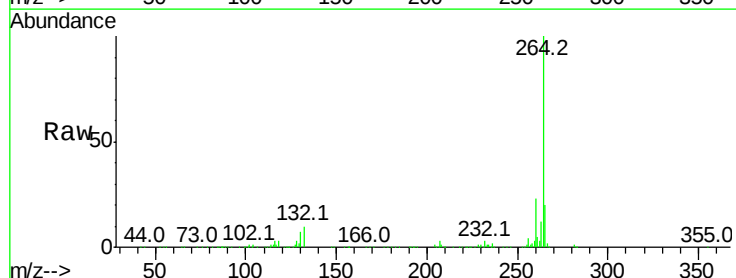
Tgt Ion:264 Resp: 471305

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 20.3 17.7 26.5



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

