

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092717\
 Data File : BG028953.D
 Acq On : 27 Sep 2017 21:44
 Operator : SJ/JU
 Sample : I5423-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SA-06-092517-B

Quant Time: Sep 28 01:28:22 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

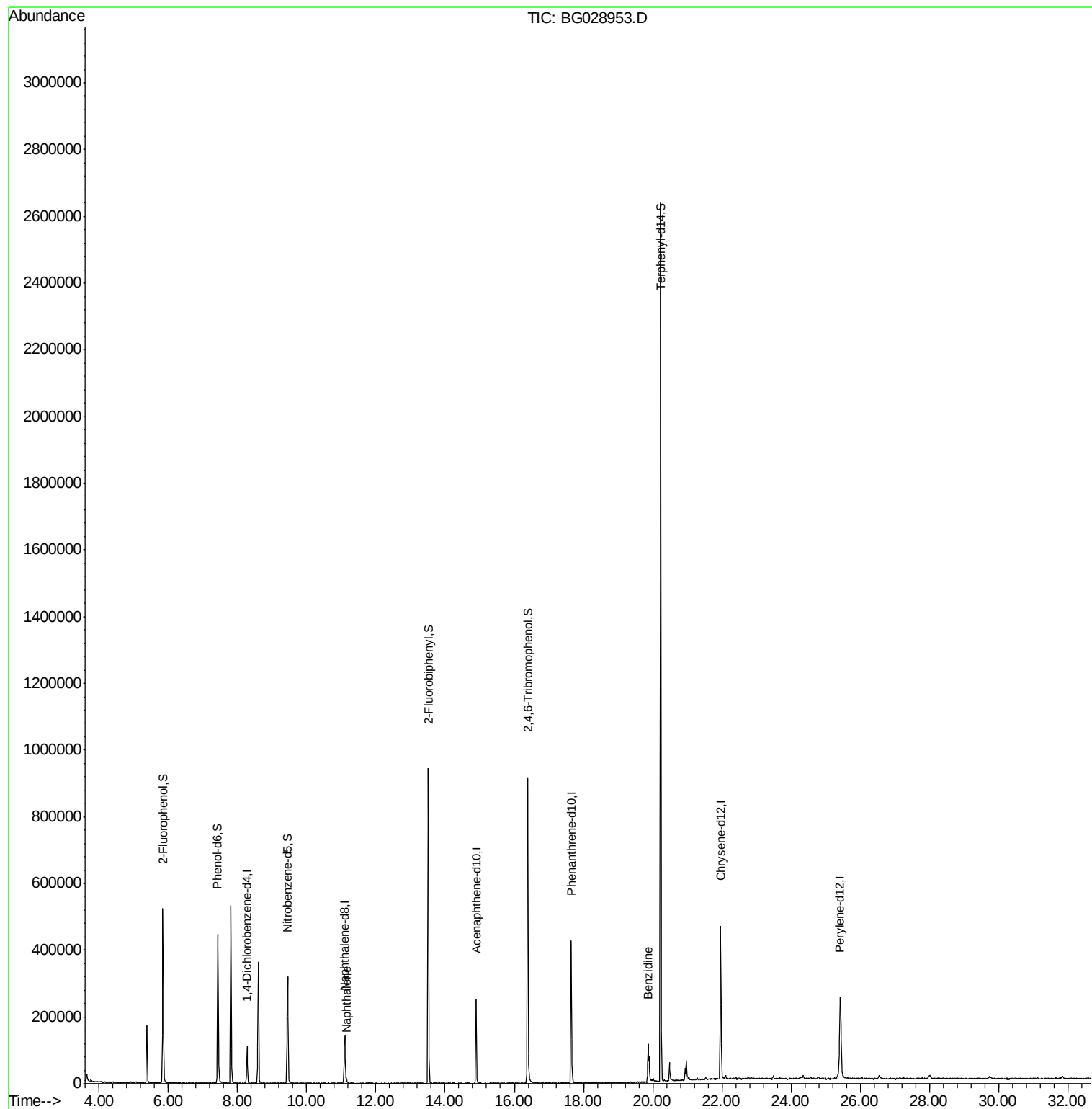
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	31497	20.00	ng	-0.06
21) Naphthalene-d8	11.10	136	126371	20.00	ng	-0.05
38) Acenaphthene-d10	14.90	164	94389	20.00	ng	-0.05
63) Phenanthrene-d10	17.65	188	281255	20.00	ng	-0.05
75) Chrysene-d12	21.96	240	324178	20.00	ng	-0.07
86) Perylene-d12	25.42	264	322871	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	223537	117.11	ng	-0.06
7) Phenol-d6	7.43	99	276444	96.19	ng	-0.06
23) Nitrobenzene-d5	9.45	82	210379	79.64	ng	-0.06
41) 2,4,6-Tribromophenol	16.39	330	204894	131.25	ng	-0.05
44) 2-Fluorobiphenyl	13.51	172	506255	71.52	ng	-0.05
78) Terphenyl-d14	20.24	244	1253128	82.44	ng	-0.04
Target Compounds						
31) Naphthalene	11.15	128	14574	2.208	ng	# 91
76) Benzidine	19.87	184	103876	12.356	ng	# 92

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092717\
Data File : BG028953.D
Acq On : 27 Sep 2017 21:44
Operator : SJ/JU
Sample : I5423-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SA-06-092517-B

Quant Time: Sep 28 01:28:22 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration



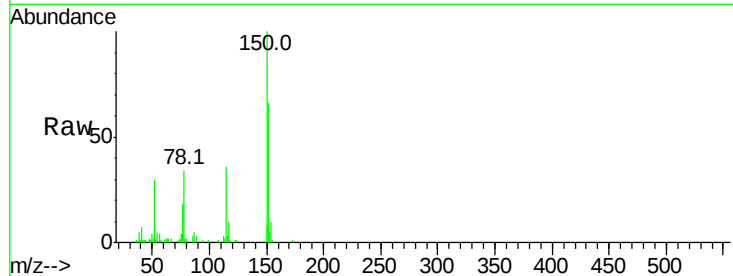


#1

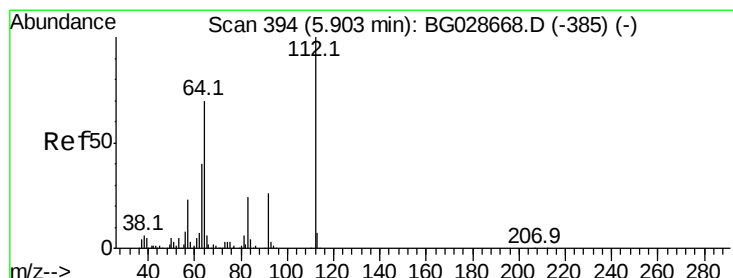
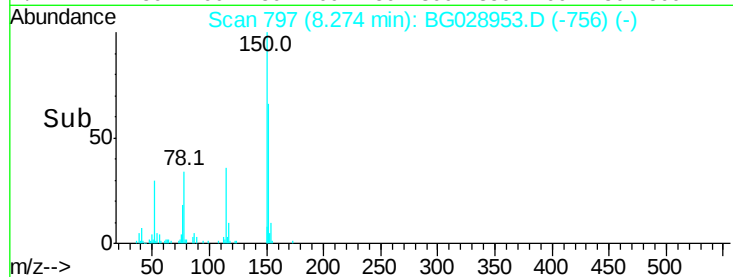
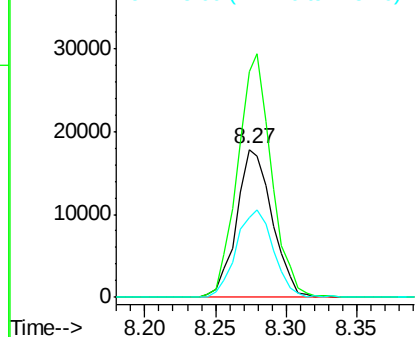
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.27 min Scan# 797
Delta R.T. -0.06 min
Lab File: BG028953.D
Acq: 27 Sep 2017 21:44

Instrument :
BNA_G
ClientSampleId :
SA-06-092517-B

Tot Ion:152 Resp: 31497
Ion Ratio Lower Upper
152 100
150 152.2 114.0 171.0
115 54.1 48.1 72.1



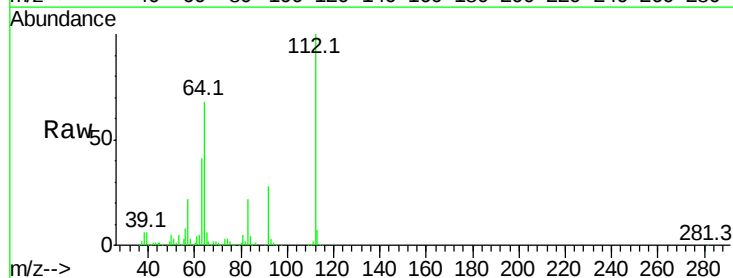
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



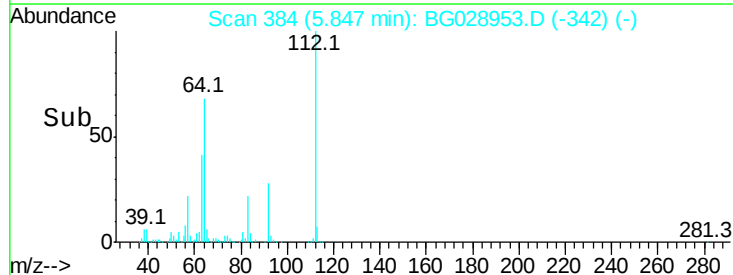
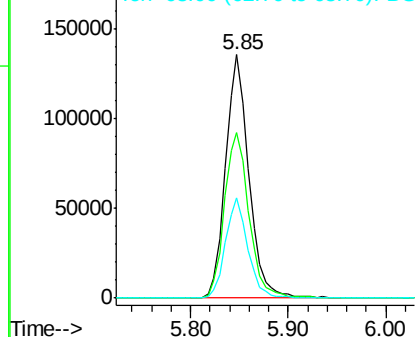
#5

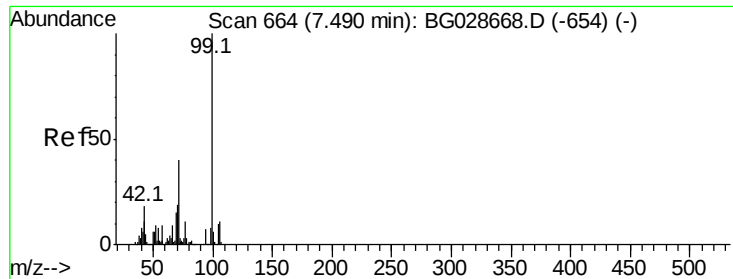
2-Fluorophenol
Concen: 117.105 ng
RT: 5.85 min Scan# 384
Delta R.T. -0.06 min
Lab File: BG028953.D
Acq: 27 Sep 2017 21:44

Tgt Ion:112 Resp: 223537
Ion Ratio Lower Upper
112 100
64 67.8 61.8 92.6
63 40.9 37.2 55.8



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: 96.188 ng

RT: 7.43 min Scan# 654

Delta R.T. -0.06 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-B

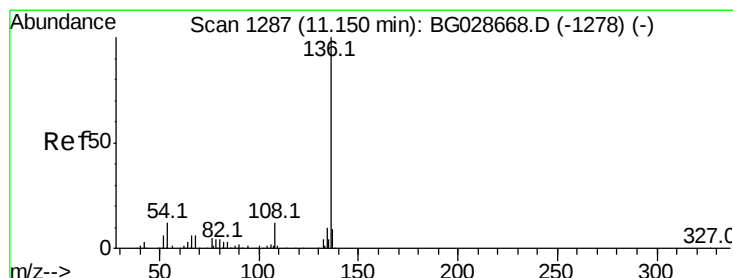
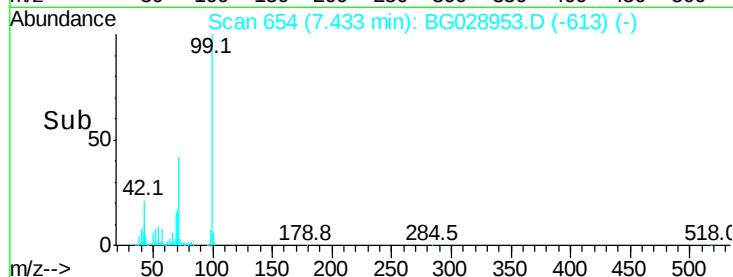
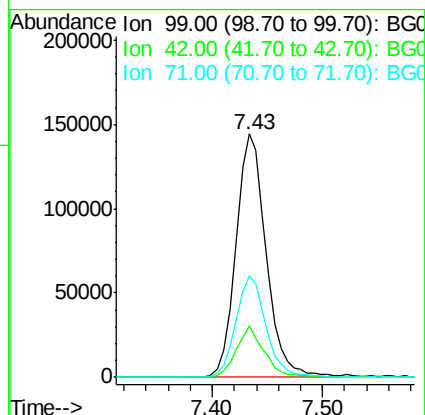
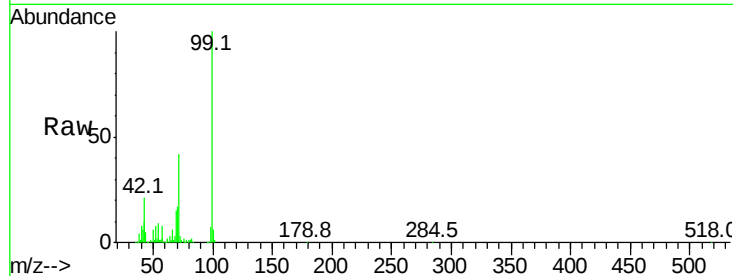
Tot Ion: 99 Resp: 276444

Ion Ratio Lower Upper

99 100

42 21.1 20.5 30.7

71 41.5 37.6 56.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.10 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

Tgt Ion: 136 Resp: 126371

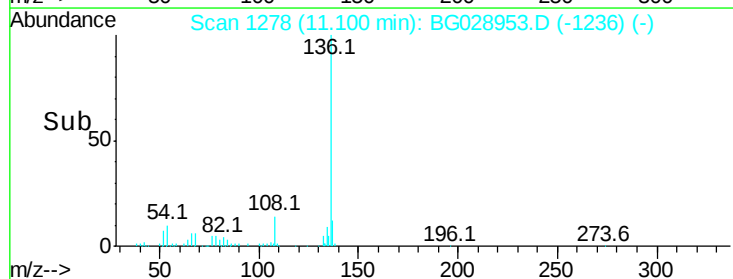
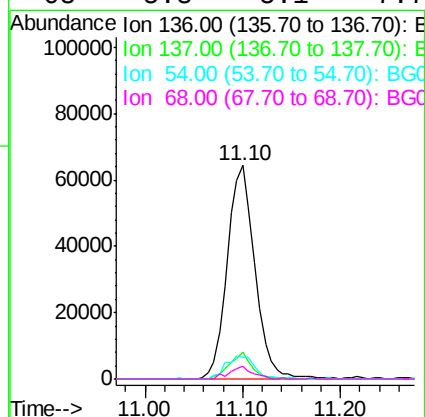
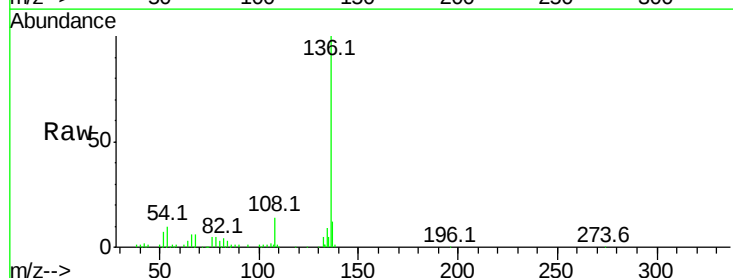
Ion Ratio Lower Upper

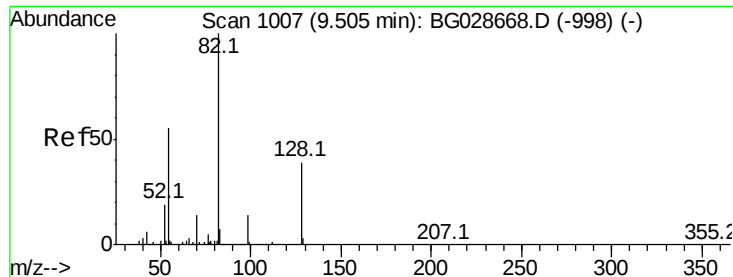
136 100

137 12.4 8.9 13.3

54 10.4 9.3 13.9

68 5.8 5.1 7.7

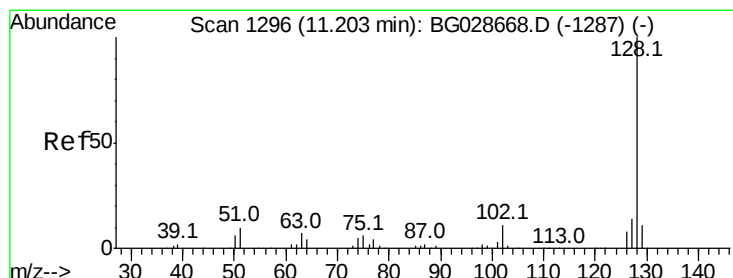
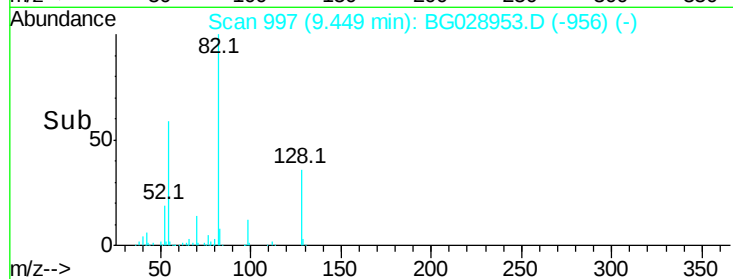
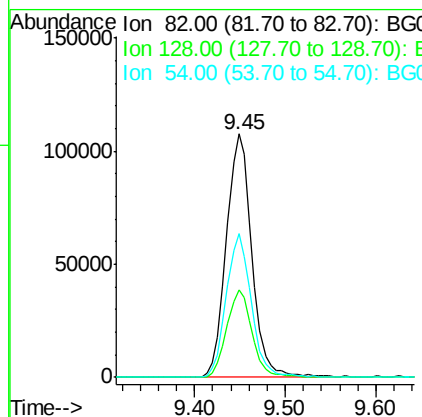
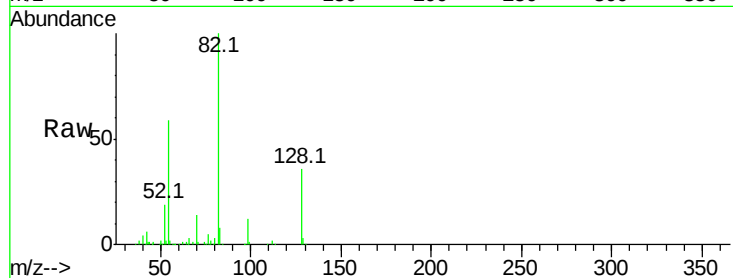




#23
Nitrobenzene-d5
Concen: 79.638 ng
RT: 9.45 min Scan# 997
Delta R.T. -0.06 min
Lab File: BG028953.D
Acq: 27 Sep 2017 21:44

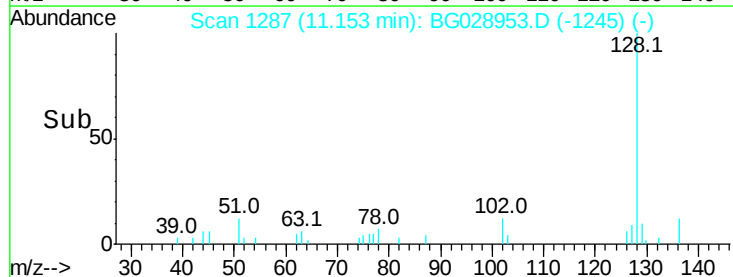
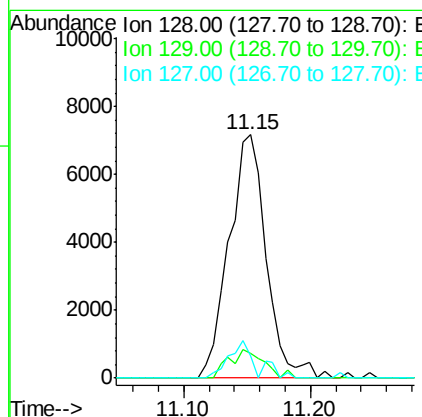
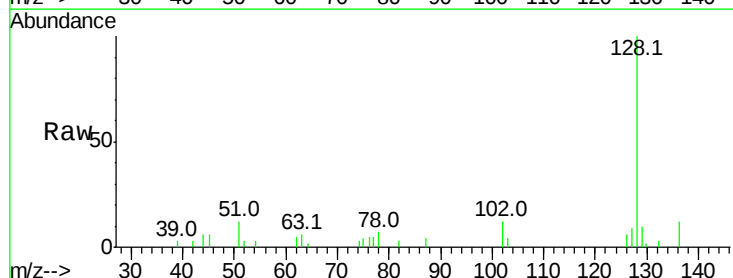
Instrument :
BNA_G
ClientSampleId :
SA-06-092517-B

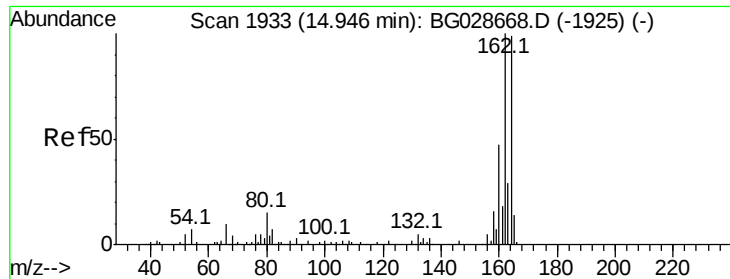
Tot Ion: 82 Resp: 210379
Ion Ratio Lower Upper
82 100
128 36.0 26.4 39.6
54 59.2 49.4 74.2



#31
Naphthalene
Concen: 2.208 ng
RT: 11.15 min Scan# 1287
Delta R.T. -0.05 min
Lab File: BG028953.D
Acq: 27 Sep 2017 21:44

Tgt Ion: 128 Resp: 14574
Ion Ratio Lower Upper
128 100
129 10.2 9.3 13.9
127 9.1 11.4 17.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.90 min Scan# 1924

Delta R.T. -0.05 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-B

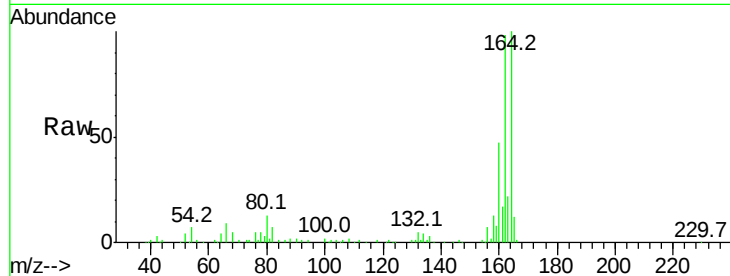
Tot Ion:164 Resp: 94389

Ion Ratio Lower Upper

164 100

162 97.6 85.1 127.7

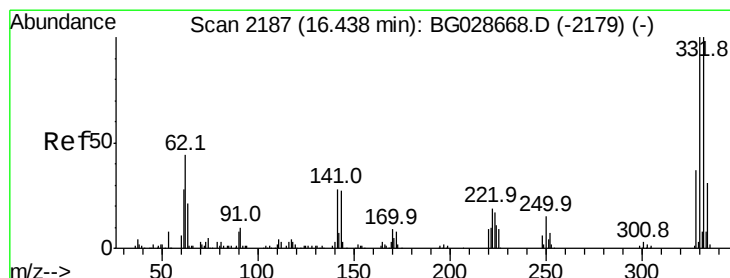
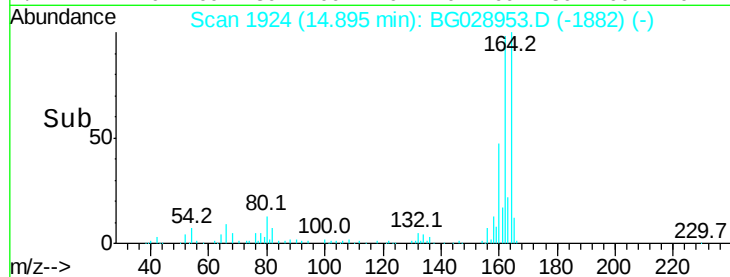
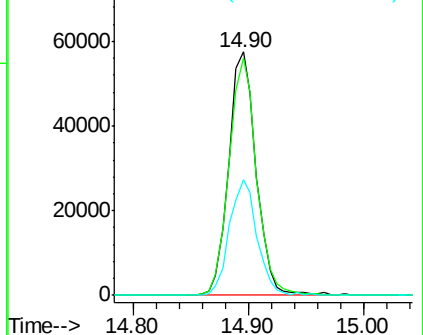
160 47.4 34.7 52.1



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: 131.247 ng

RT: 16.39 min Scan# 2178

Delta R.T. -0.05 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

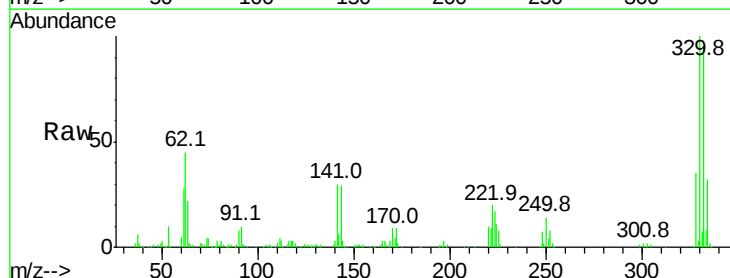
Tgt Ion:330 Resp: 204894

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

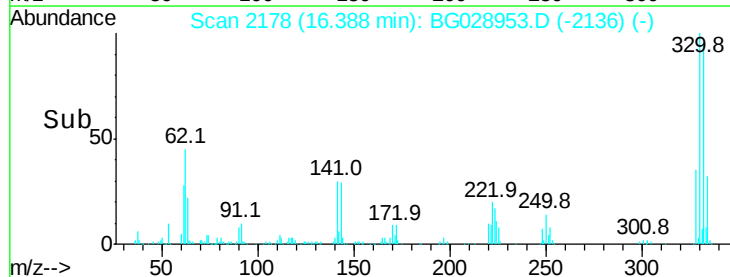
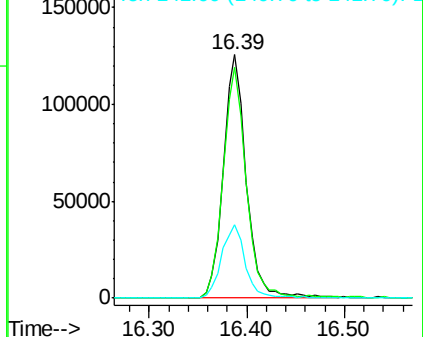
141 31.2 32.1 48.1#

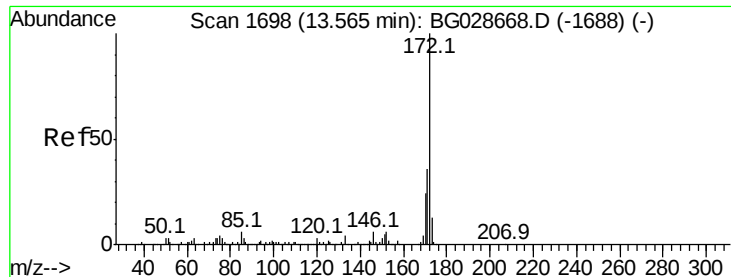


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

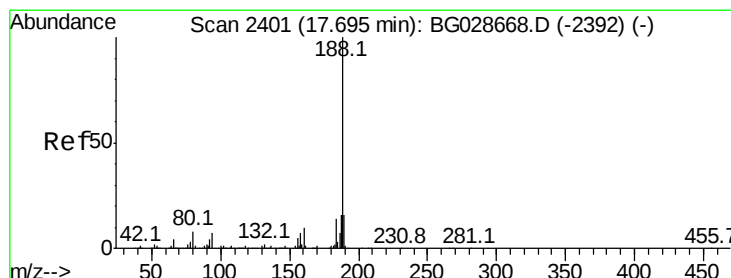
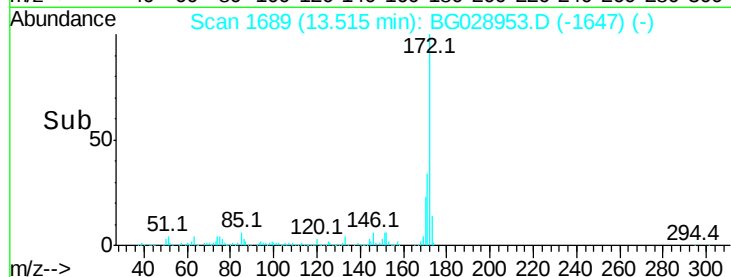
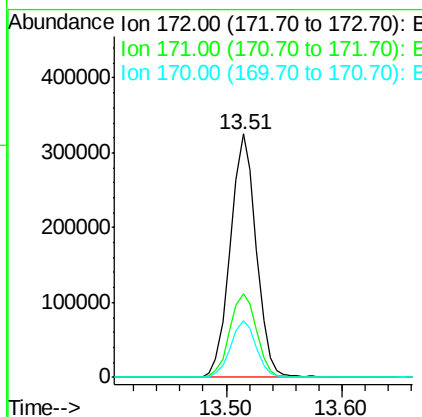
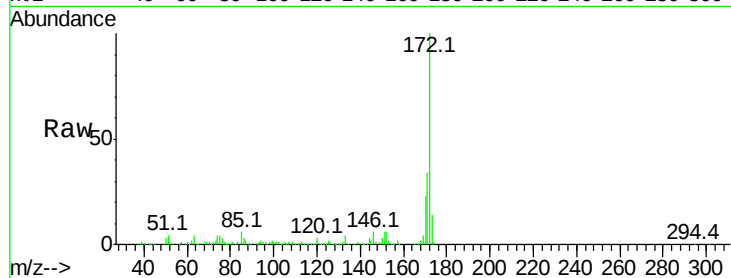




#44
2-Fluorobiphenyl
Concen: 71.518 ng
RT: 13.51 min Scan# 1689
Delta R.T. -0.05 min
Lab File: BG028953.D
Acq: 27 Sep 2017 21:44

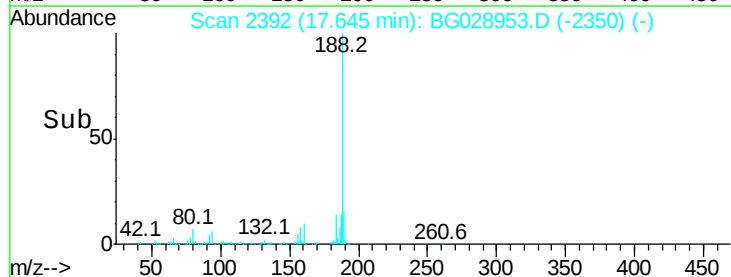
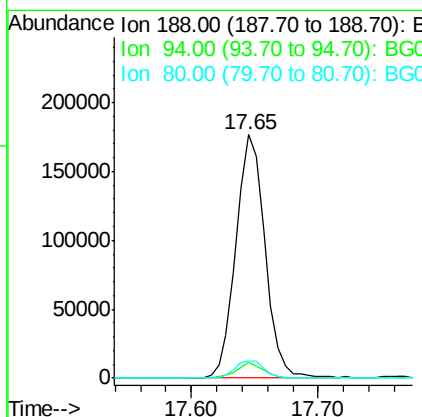
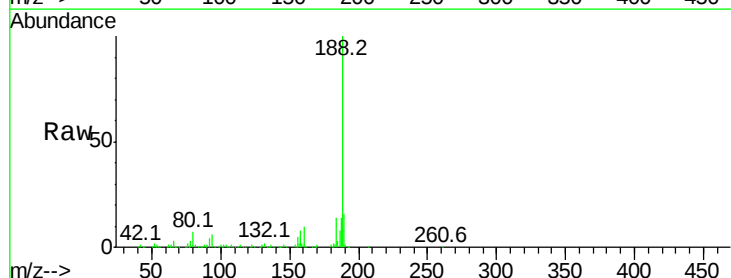
Instrument :
BNA_G
ClientSampleId :
SA-06-092517-B

Tot Ion:172 Resp: 506255
Ion Ratio Lower Upper
172 100
171 34.3 32.2 48.2
170 23.1 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.65 min Scan# 2392
Delta R.T. -0.05 min
Lab File: BG028953.D
Acq: 27 Sep 2017 21:44

Tgt Ion:188 Resp: 281255
Ion Ratio Lower Upper
188 100
94 6.5 5.8 8.8
80 7.2 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.07 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-B

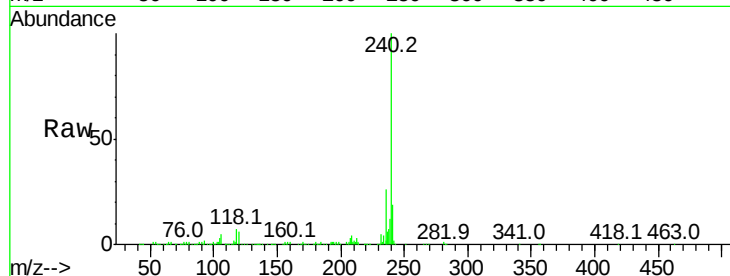
Tot Ion:240 Resp: 324178

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

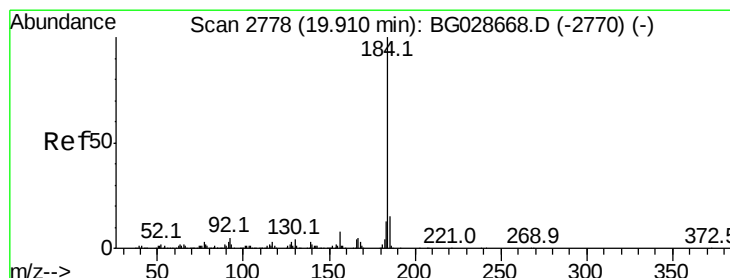
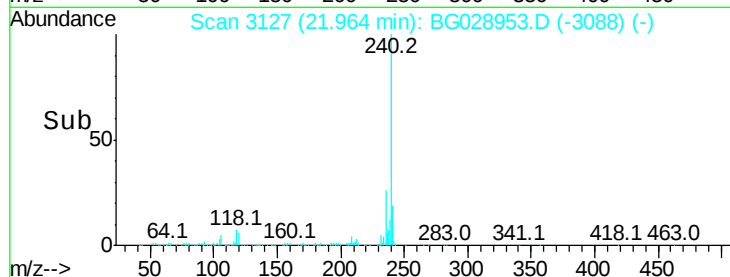
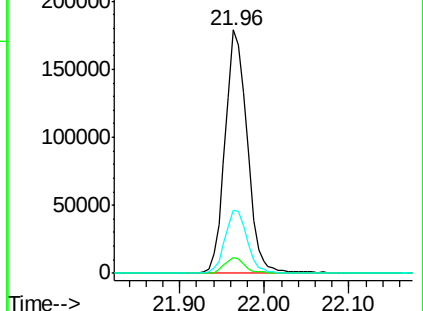
236 26.0 22.2 33.4



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: 12.356 ng

RT: 19.87 min Scan# 2770

Delta R.T. -0.04 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

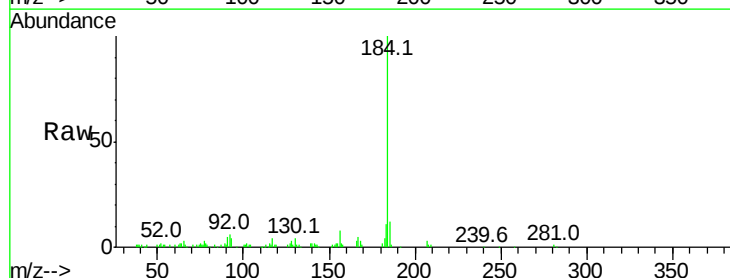
Tgt Ion:184 Resp: 103876

Ion Ratio Lower Upper

184 100

185 12.4 13.0 19.6#

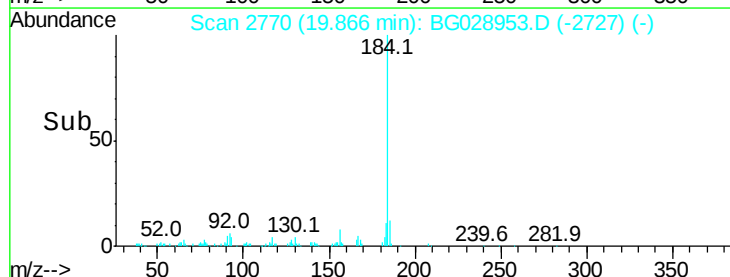
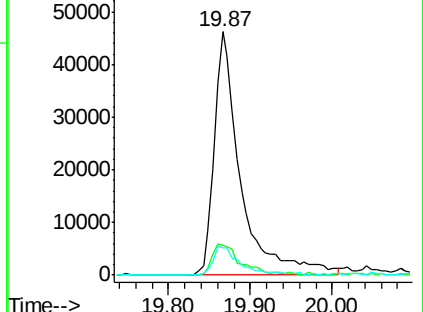
183 11.0 11.0 16.6#

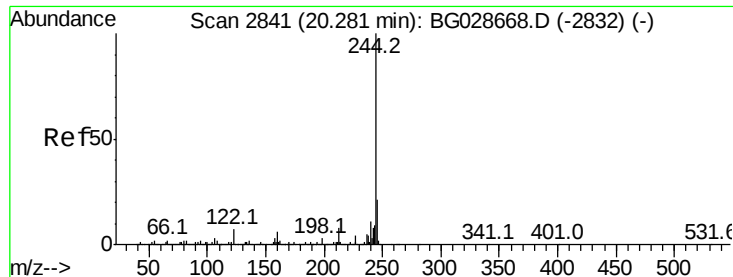


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.436 ng

RT: 20.24 min Scan# 2833

Delta R.T. -0.04 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-B

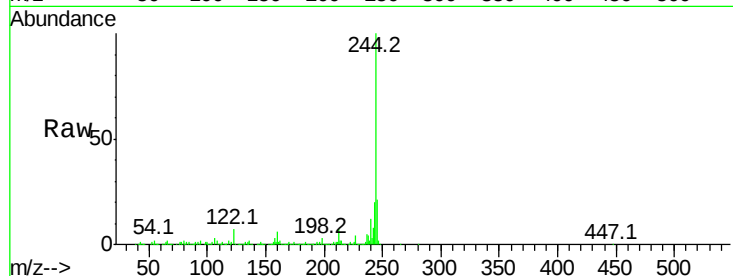
Tot Ion:244 Resp: 1253128

Ion Ratio Lower Upper

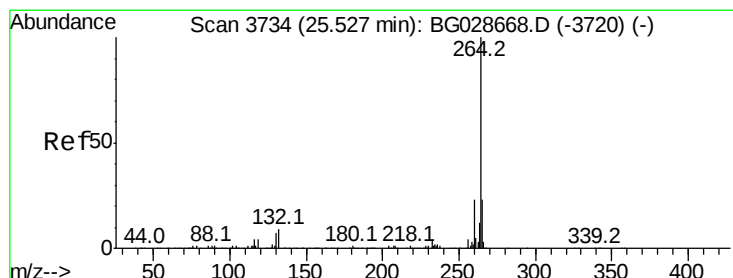
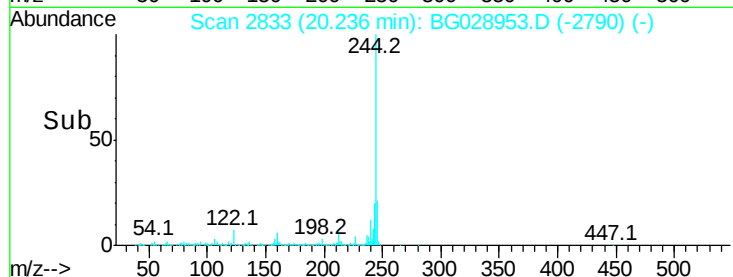
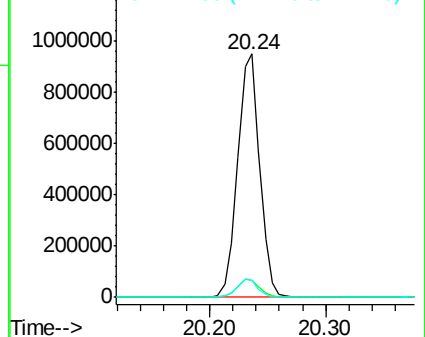
244 100

212 7.3 10.0 15.0#

122 7.0 8.6 12.8#



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: 25.42 min Scan# 3715

Delta R.T. -0.11 min

Lab File: BG028953.D

Acq: 27 Sep 2017 21:44

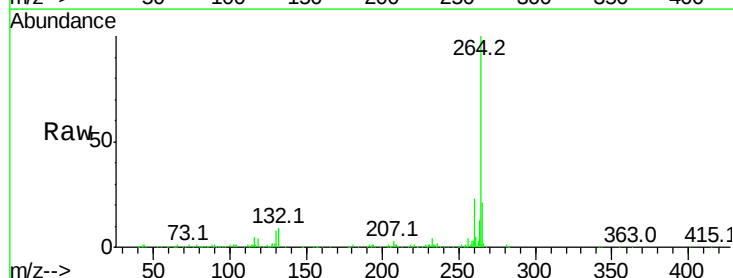
Tgt Ion:264 Resp: 322871

Ion Ratio Lower Upper

264 100

260 23.3 21.8 32.8

265 20.7 18.2 27.4



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

