

Data Path : Z:\HPCHEM1\BNA F\Data\BF012015\
 Data File : BF076962.D
 Acq On : 20 Jan 2015 15:02
 Operator : IZ / TP
 Sample : PB81407BL
 Misc : DOD W
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 00:07:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 20 23:48:18 2015
 Response via : Initial Calibration

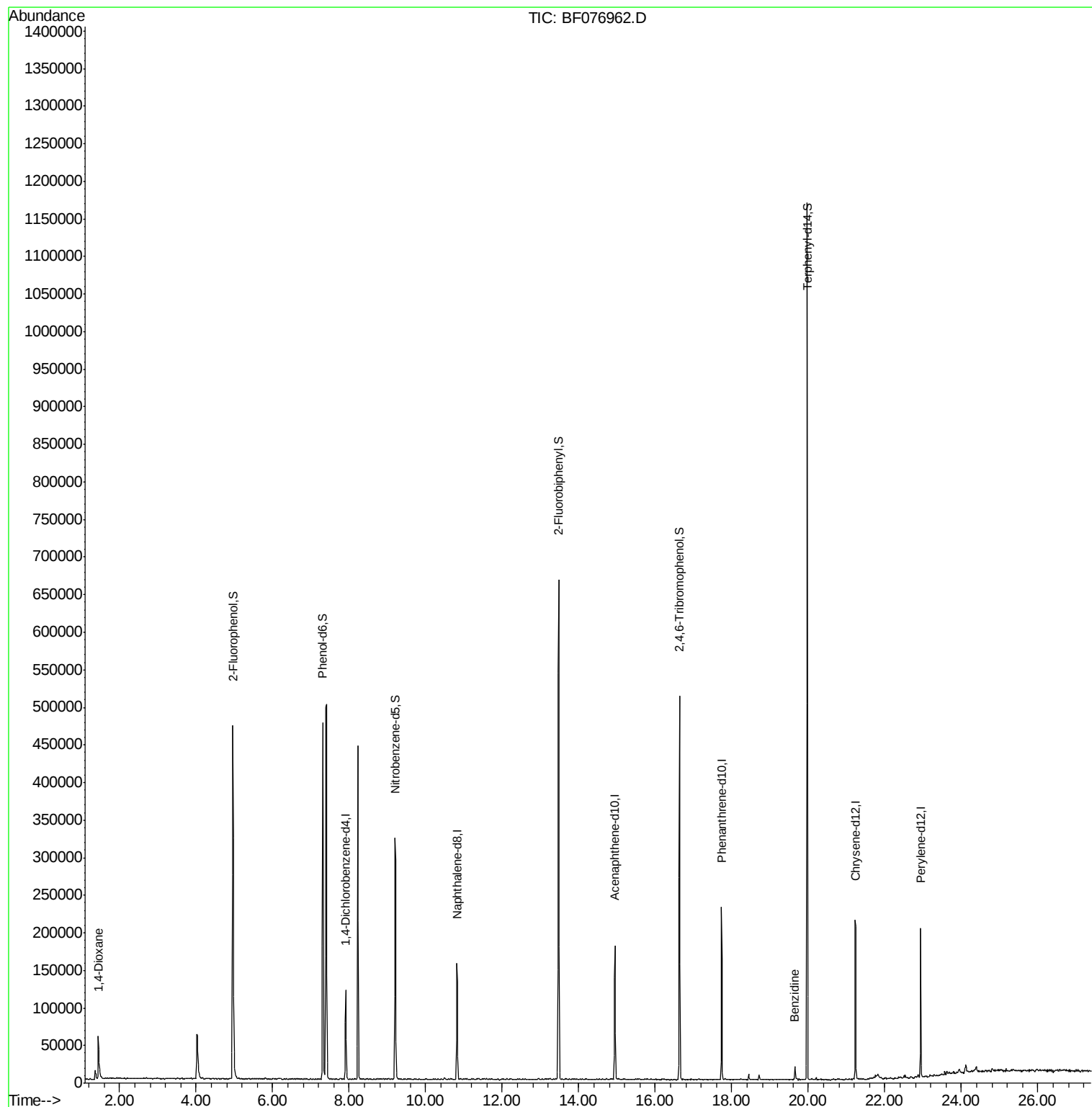
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	30492	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	129958	20.00	ng	-0.01
38) Acenaphthene-d10	14.95	164	71542	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	121202	20.00	ng	-0.01
75) Chrysene-d12	21.24	240	119452	20.00	ng	0.00
86) Perylene-d12	22.93	264	100443	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	239863	129.34	ng	0.00
7) Phenol-d6	7.30	99	295149	126.16	ng	-0.01
23) Nitrobenzene-d5	9.20	82	185177	78.94	ng	-0.01
41) 2,4,6-Tribromophenol	16.63	330	71108	122.45	ng	-0.01
44) 2-Fluorobiphenyl	13.48	172	372975	79.34	ng	0.00
78) Terphenyl-d14	19.97	244	418604	80.68	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.44	88	2158	2.72	ng	# 12
76) Benzidine	19.65	184	16938	4.43	ng	# 95

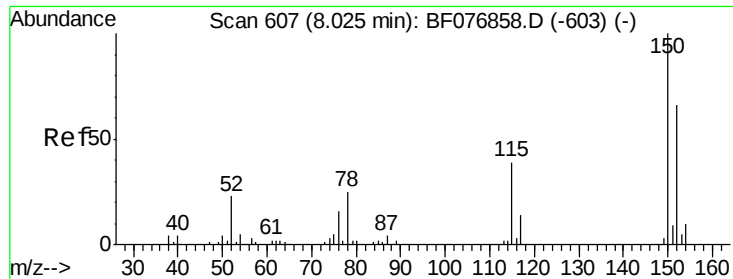
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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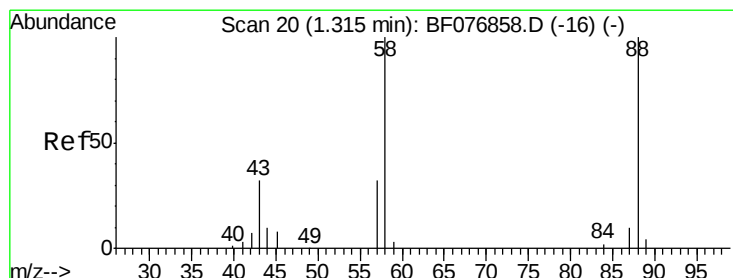
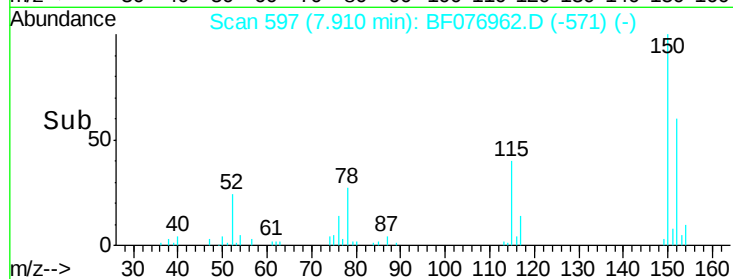
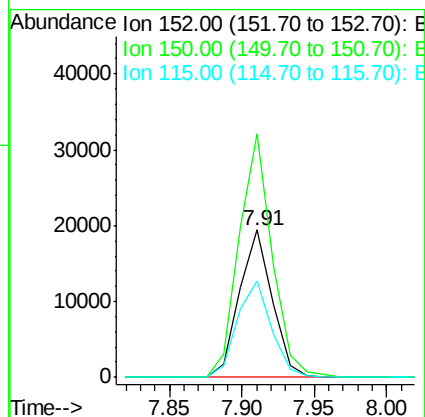
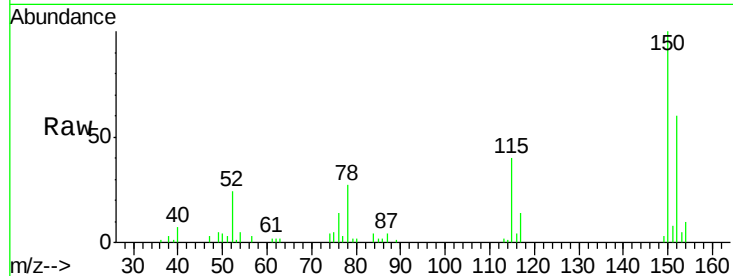


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.91 min Scan# 597
Delta R.T. 0.00 min
Lab File: BF076962.D
Acq: 20 Jan 2015 15:02

Instrument :
BNA_F
ClientSampleId :

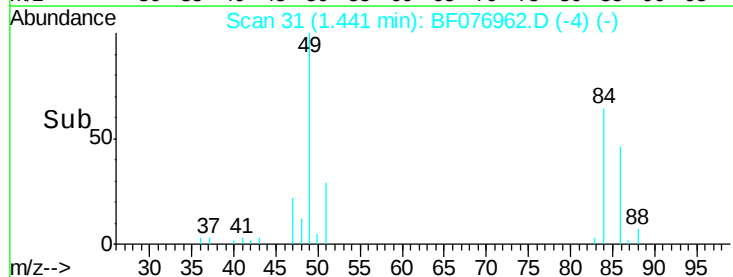
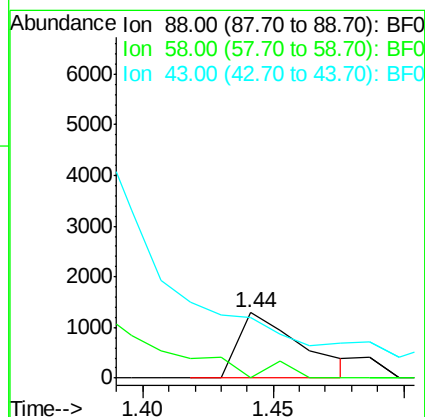
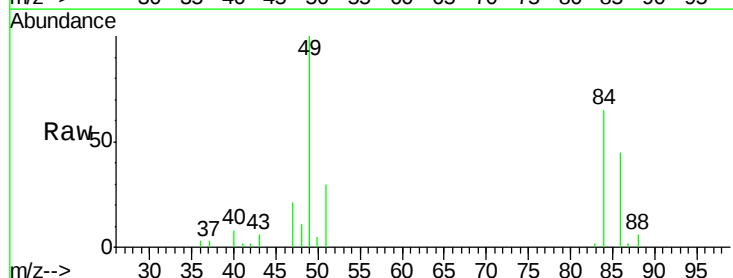
Tot Ion:152 Resp: 30492
Ion Ratio Lower Upper
152 100
150 165.6 121.7 182.5
115 65.7 47.0 70.6

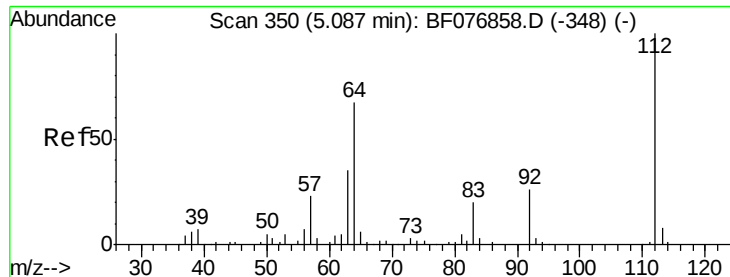


#2

1,4-Dioxane
Concen: 2.72 ng
RT: 1.44 min Scan# 31
Delta R.T. 0.21 min
Lab File: BF076962.D
Acq: 20 Jan 2015 15:02

Tgt Ion: 88 Resp: 2158
Ion Ratio Lower Upper
88 100
58 0.0 77.0 115.4#
43 0.0 25.6 38.4#





#5

2-Fluorophenol

Concen: 129.34 ng

RT: 4.96 min Scan# 339

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA_F

ClientSampleId :

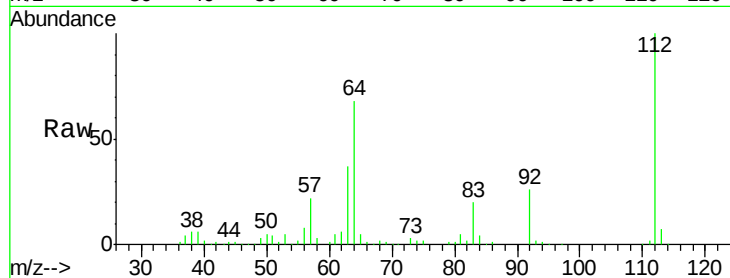
Tot Ion: 112 Resp: 239863

Ion Ratio Lower Upper

112 100

64 67.8 54.2 81.4

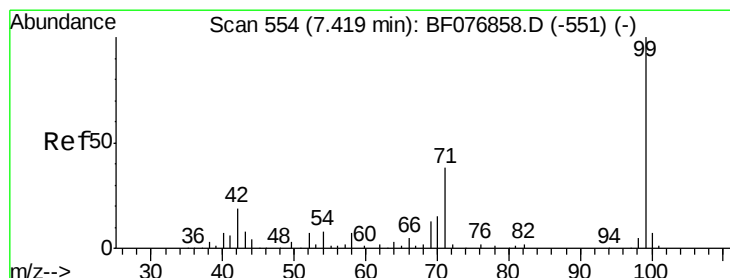
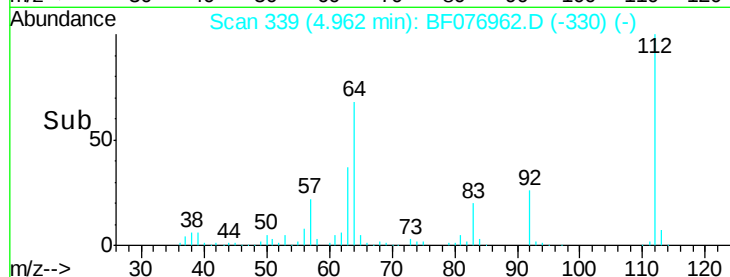
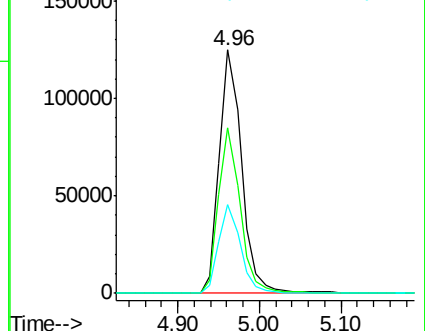
63 36.5 28.4 42.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 126.16 ng

RT: 7.30 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

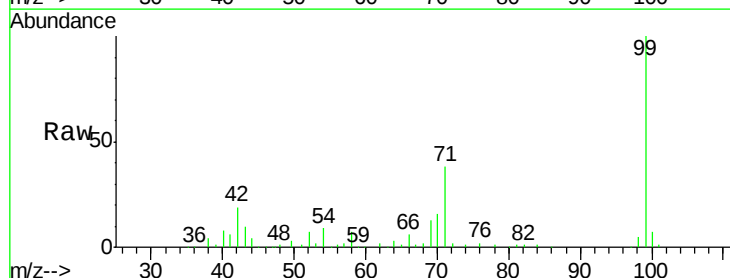
Tgt Ion: 99 Resp: 295149

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.4

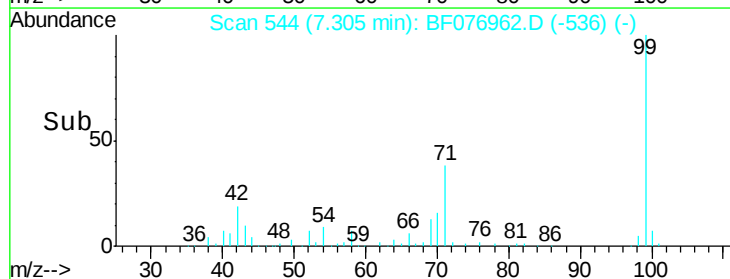
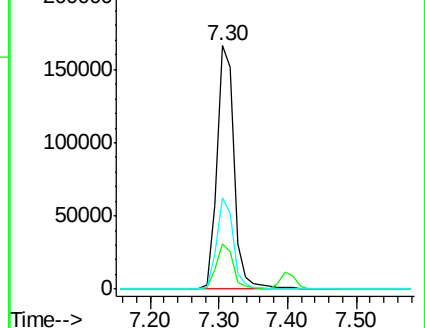
71 37.6 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

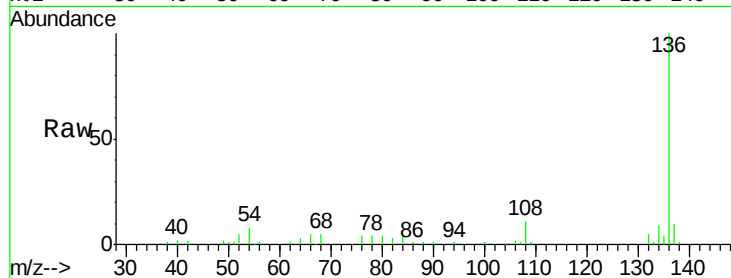




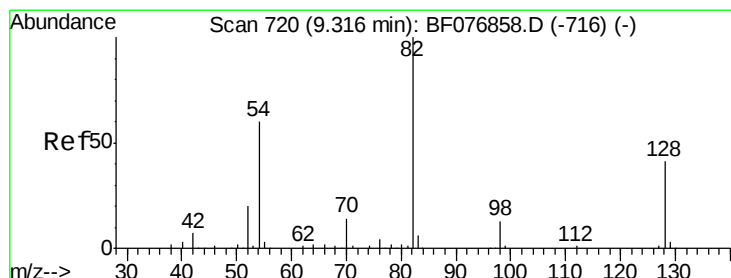
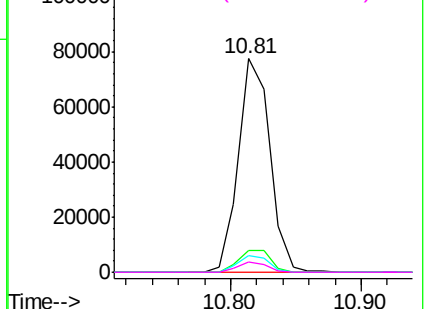
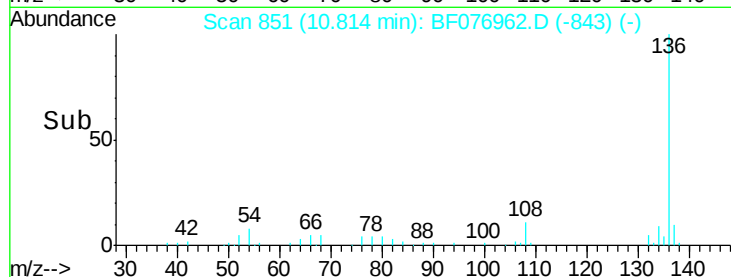
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.81 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF076962.D
Acq: 20 Jan 2015 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	129958
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.1 12.1
54	7.9	7.0 10.4
68	5.0	3.7 5.5

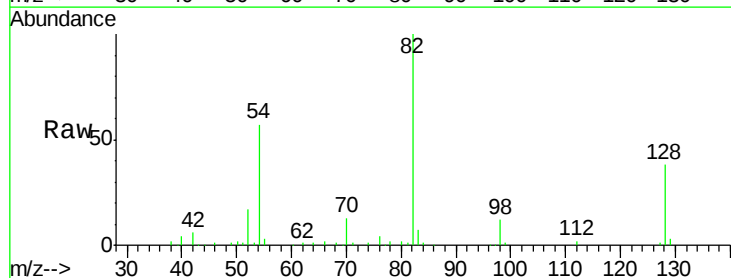


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BF0
80000
Ion 68.00 (67.70 to 68.70): BF0

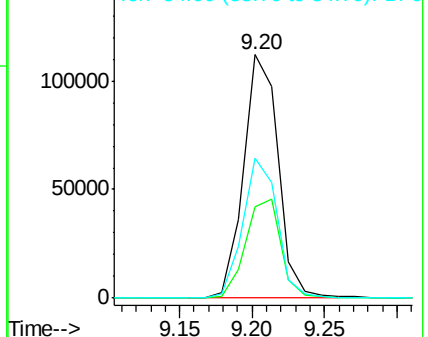
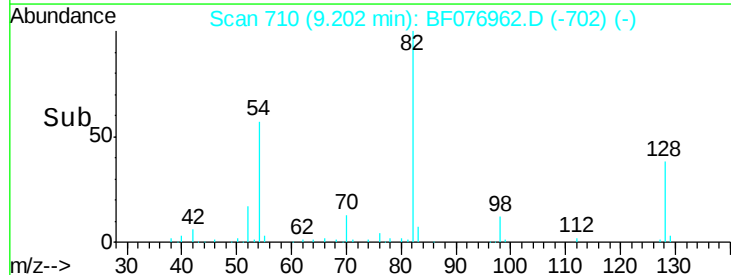


#23
Nitrobenzene-d5
Concen: 78.94 ng
RT: 9.20 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF076962.D
Acq: 20 Jan 2015 15:02

Tgt Ion: 82	Resp:	185177
Ion	Ratio	Lower Upper
82	100	
128	37.7	33.1 49.7
54	57.2	48.3 72.5



Abundance Ion 82.00 (81.70 to 82.70): BF0
150000
Ion 128.00 (127.70 to 128.70): E
100000
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.95 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA_F

ClientSampleId :

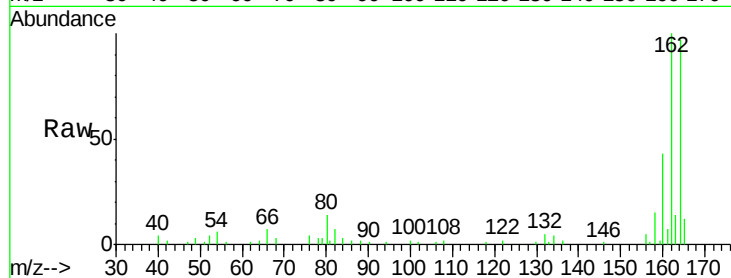
Tot Ion:164 Resp: 71542

Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

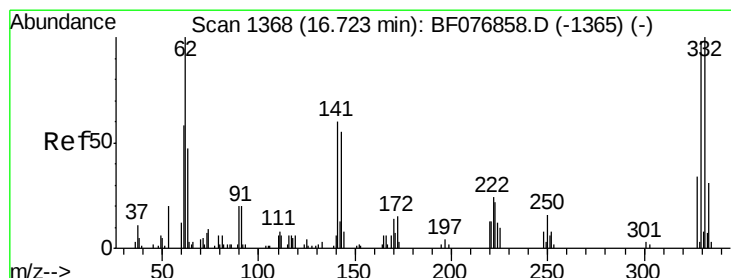
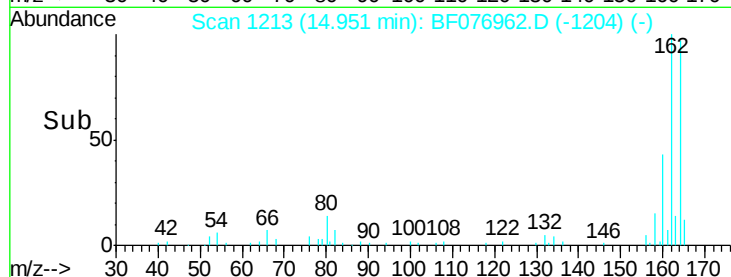
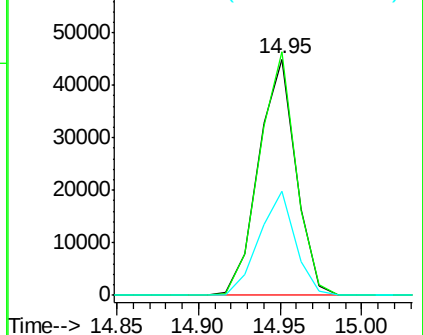
160 44.2 34.8 52.2



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: 122.45 ng

RT: 16.63 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

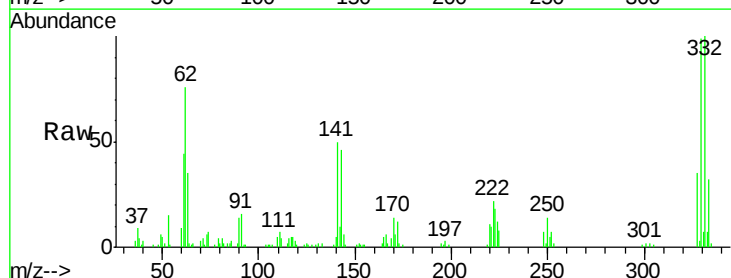
Tgt Ion:330 Resp: 71108

Ion Ratio Lower Upper

330 100

332 98.6 77.8 116.6

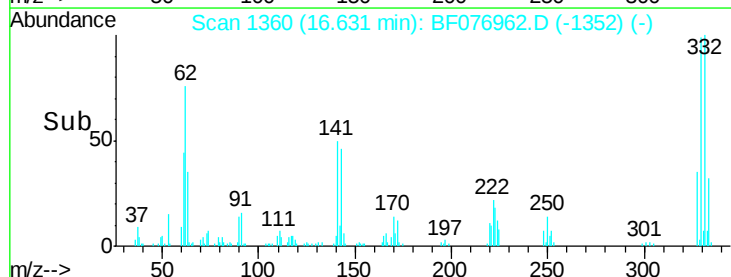
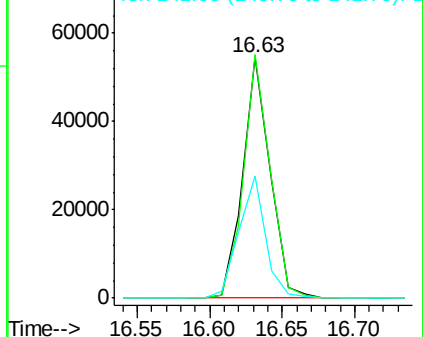
141 49.8 38.5 57.7

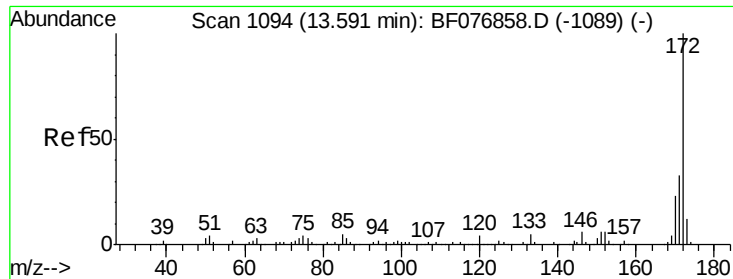


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

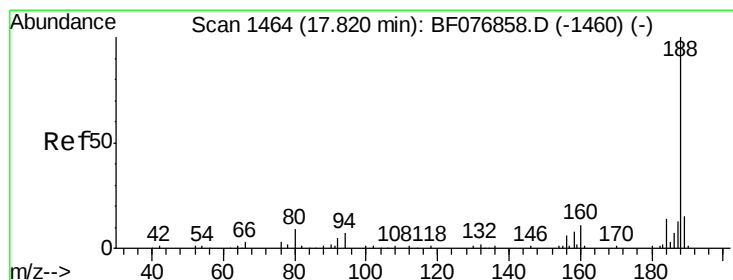
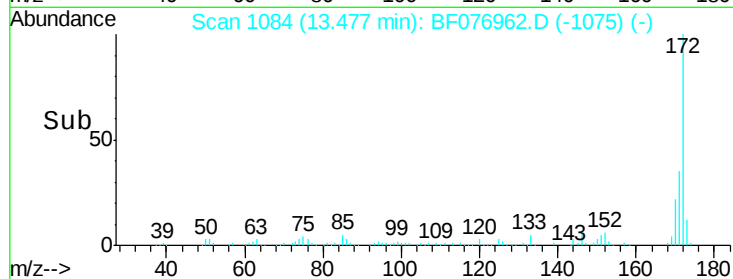
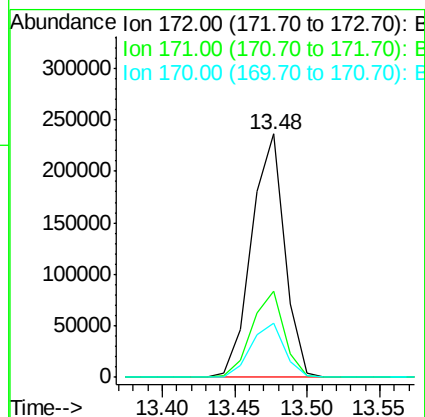
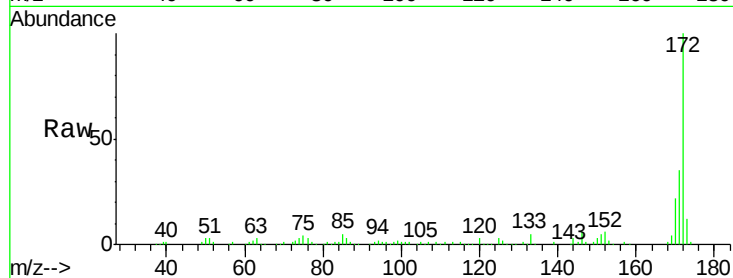




#44
 2-Fluorobiphenyl
 Concen: 79.34 ng
 RT: 13.48 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BF076962.D
 Acq: 20 Jan 2015 15:02

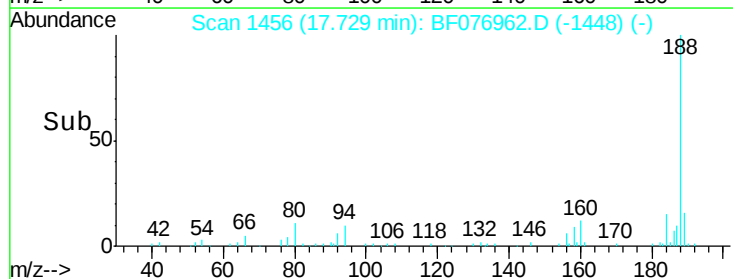
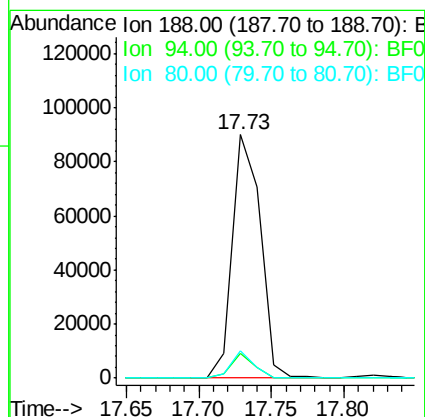
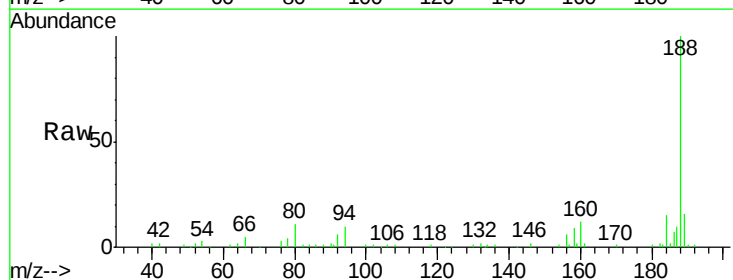
Instrument :
 BNA_F
 ClientSampleId :

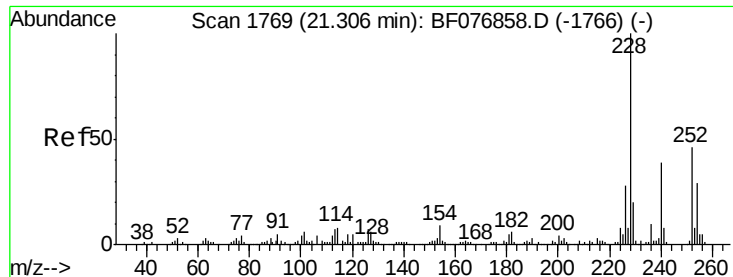
Tot Ion:172 Resp: 372975
 Ion Ratio Lower Upper
 172 100
 171 35.2 26.6 40.0
 170 22.3 18.0 27.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.73 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF076962.D
 Acq: 20 Jan 2015 15:02

Tgt Ion:188 Resp: 121202
 Ion Ratio Lower Upper
 188 100
 94 10.1 6.0 9.0#
 80 11.4 6.9 10.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.24 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA_F

ClientSampleId :

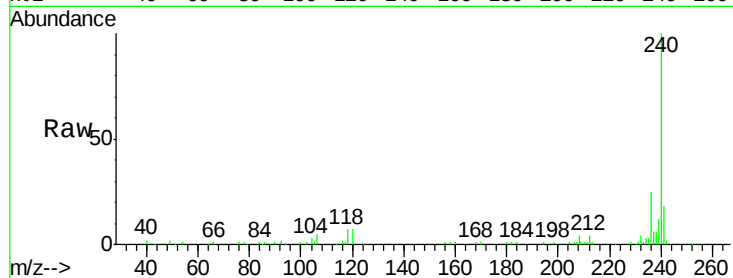
Tot Ion:240 Resp: 119452

Ion Ratio Lower Upper

240 100

120 7.4 10.4 15.6#

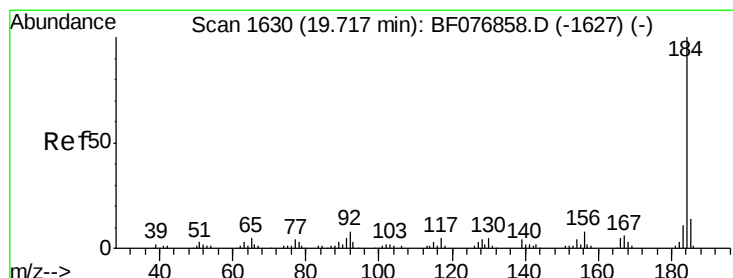
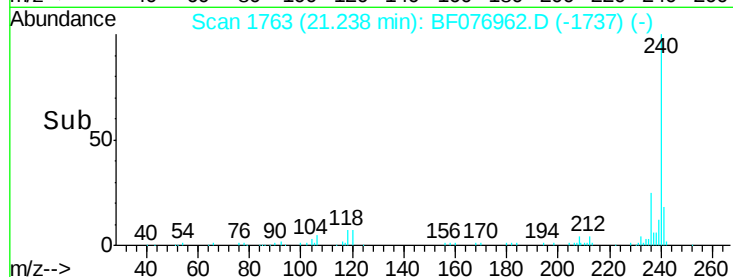
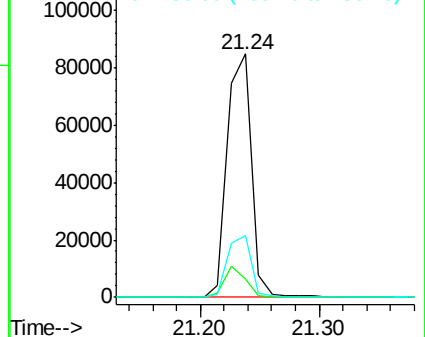
236 25.3 20.2 30.2



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: 4.43 ng

RT: 19.65 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

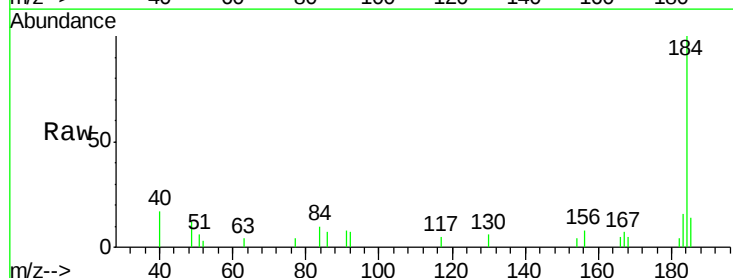
Tgt Ion:184 Resp: 16938

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.2

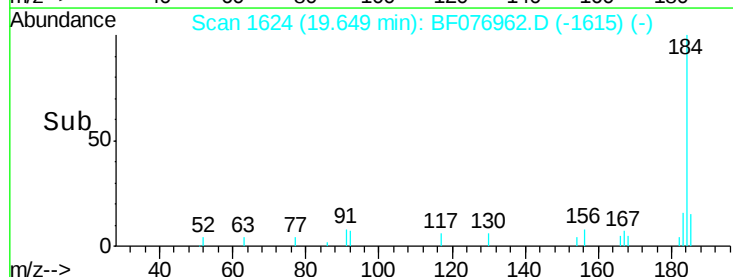
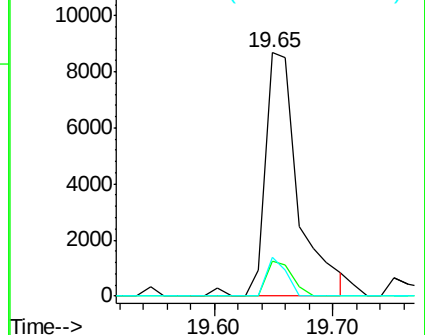
183 15.8 9.0 13.6#

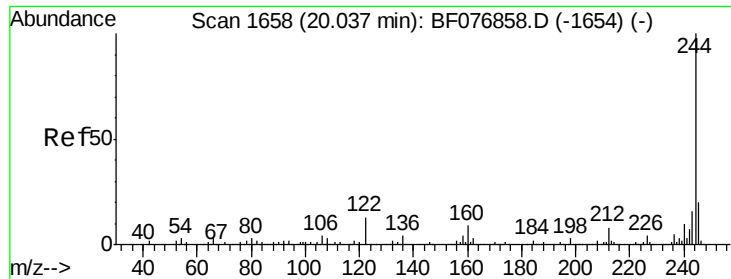


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 80.68 ng

RT: 19.97 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA_F

ClientSampled :

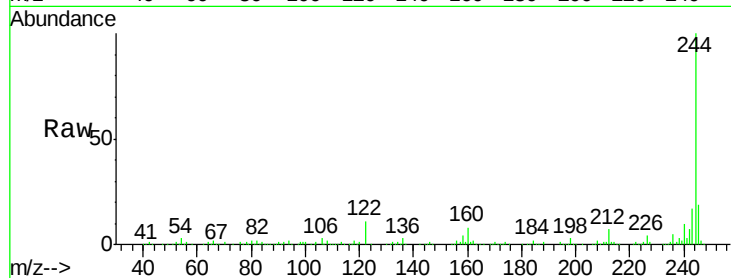
Tot Ion:244 Resp: 418604

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

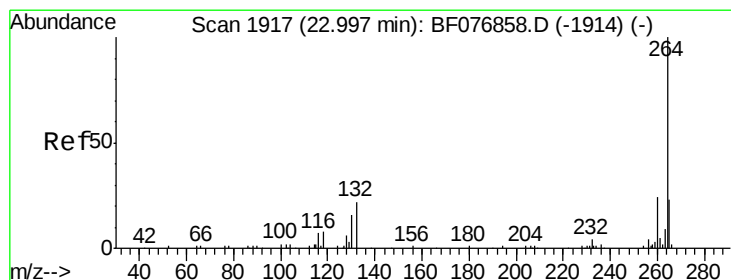
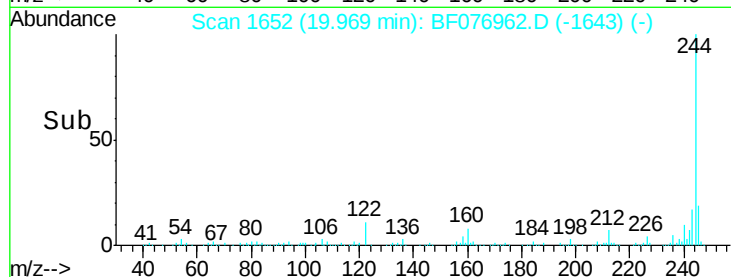
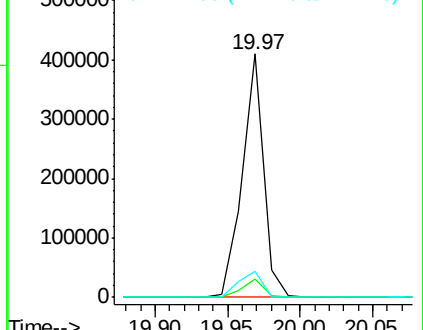
122 10.6 10.1 15.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 22.93 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

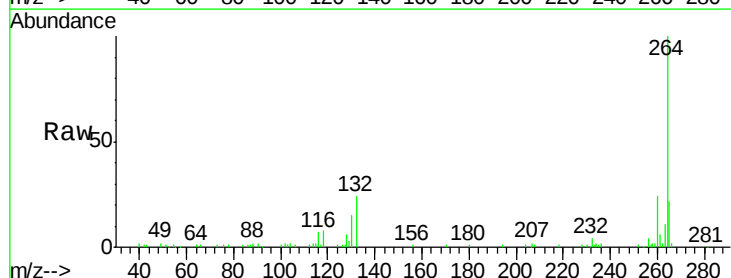
Tgt Ion:264 Resp: 100443

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 21.8 18.1 27.1



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

