

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022515\
 Data File : BF077455.D
 Acq On : 26 Feb 2015 3:23
 Operator : IZ / TP
 Sample : G1358-10
 Misc : S/DOD
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TU012-SB-15-14.5

Quant Time: Feb 26 08:09:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 26 04:51:14 2015
 Response via : Initial Calibration

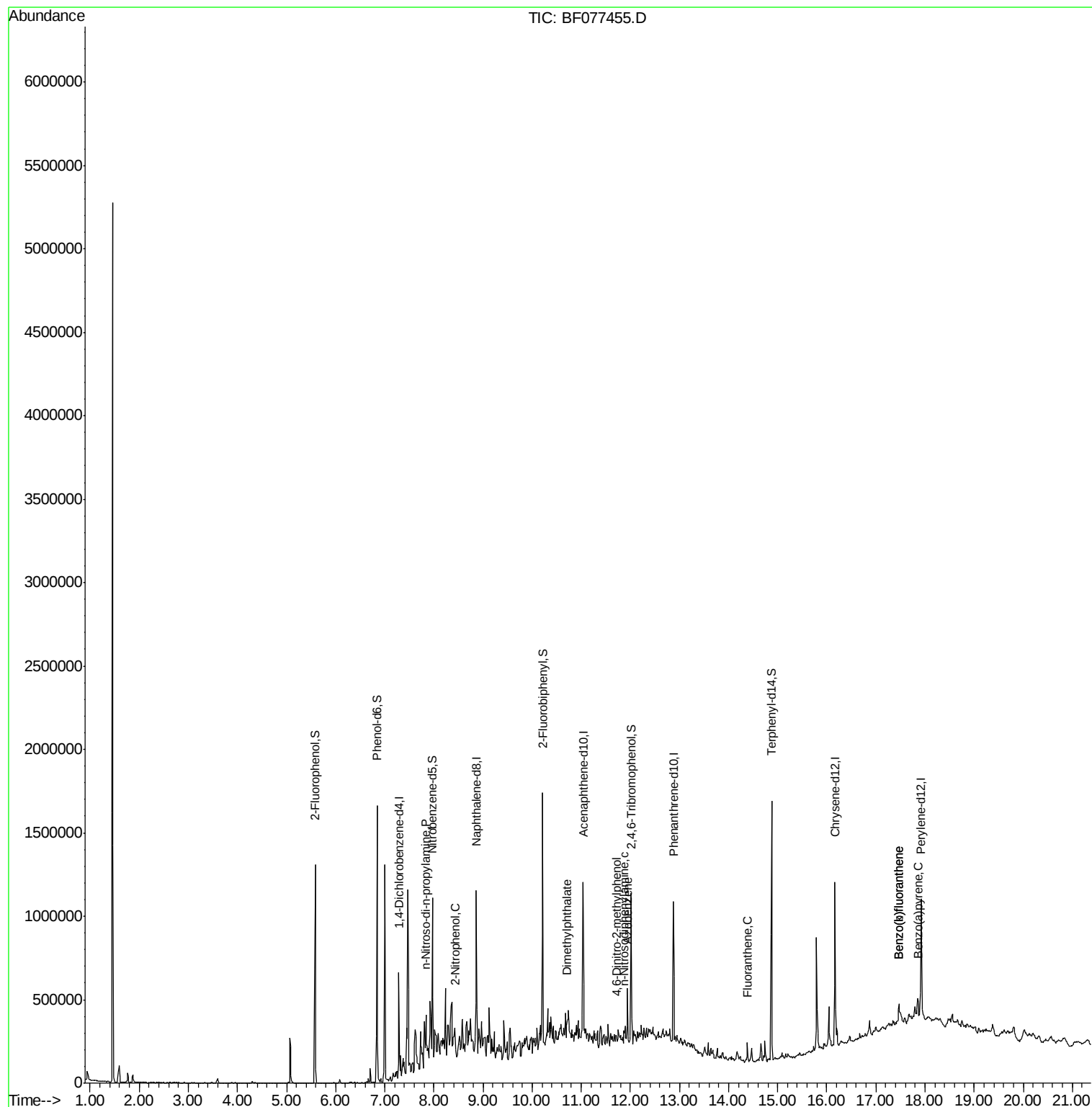
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	92221	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	359727	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	180797	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	357428	20.00	ng	0.00
75) Chrysene-d12	16.17	240	391197	20.00	ng	0.01
86) Perylene-d12	17.92	264	386003	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	428553	77.58	ng	0.01
7) Phenol-d6	6.84	99	527152	74.22	ng	0.00
23) Nitrobenzene-d5	7.97	82	296300	51.22	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	133022	76.41	ng	0.00
44) 2-Fluorobiphenyl	10.21	172	547432	47.21	ng	0.00
78) Terphenyl-d14	14.88	244	603045	36.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.84	70	33752	7.48	ng	# 55
26) 2-Nitrophenol	8.43	139	5428	2.18	ng	# 1
49) Dimethylphthalate	10.72	163	43604	3.43	ng	# 99
62) Azobenzene	11.94	77	48235	4.06	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.72	198	291	3.90	ng	# 1
65) n-Nitrosodiphenylamine	11.87	169	25349	2.14	ng	# 36
74) Fluoranthene	14.39	202	50514	2.23	ng	# 98
87) Benzo(b)fluoranthene	17.47	252	97749	4.35	ng	# 90
88) Benzo(k)fluoranthene	17.47	252	98560	4.48	ng	# 94
89) Benzo(a)pyrene	17.86	252	55577	2.60	ng	# 94

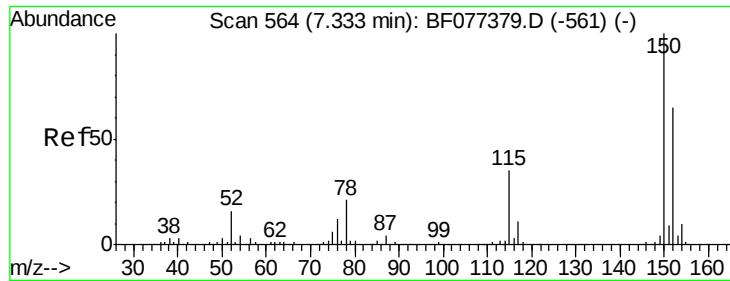
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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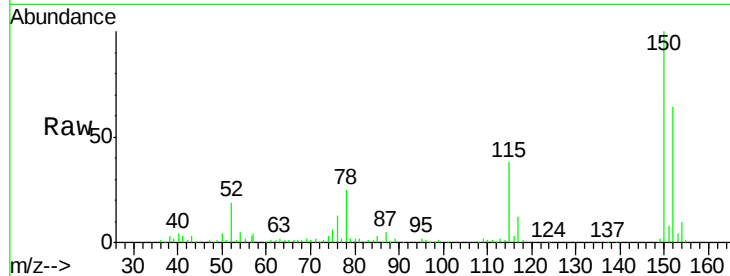


#1

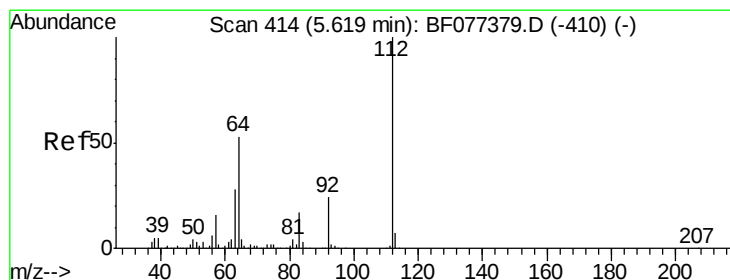
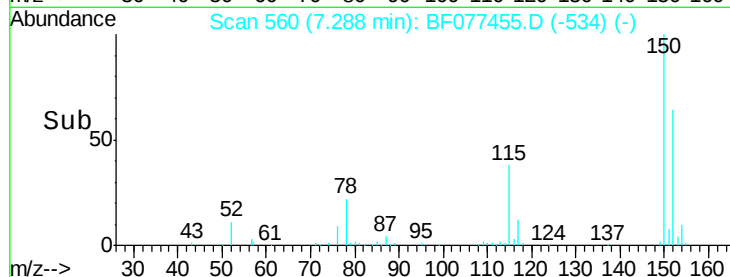
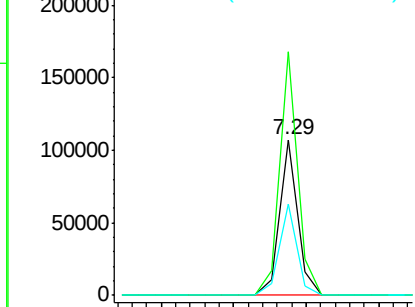
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF077455.D
Acq: 26 Feb 2015 3:23

Instrument :
BNA_F
ClientSampleId :
TU012-SB-15-14.5

Tgt Ion:152 Resp: 92221
Ion Ratio Lower Upper
152 100
150 156.3 124.0 186.0
115 58.9 49.4 74.2



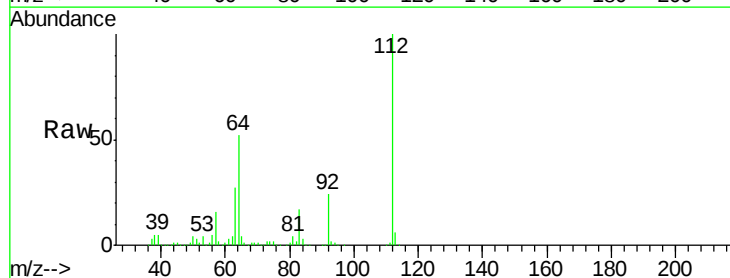
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



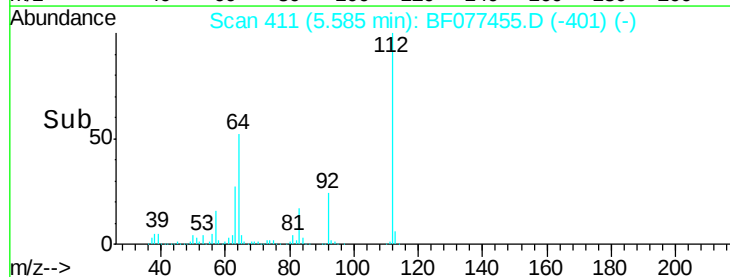
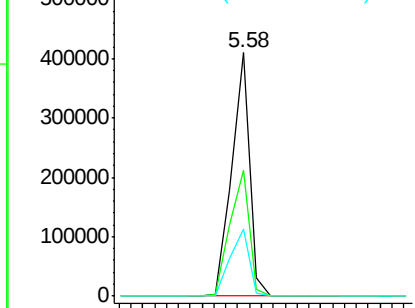
#5

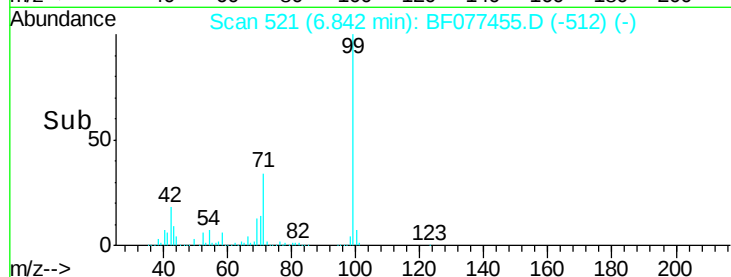
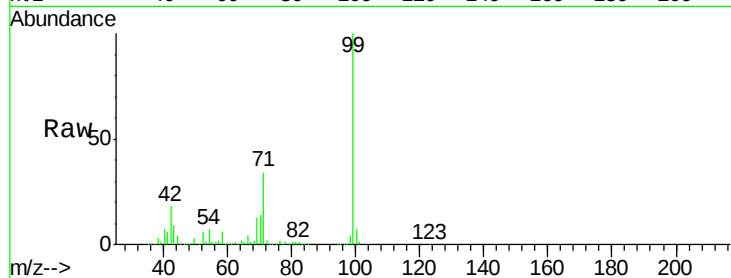
2-Fluorophenol
Concen: 77.58 ng
RT: 5.58 min Scan# 411
Delta R.T. 0.01 min
Lab File: BF077455.D
Acq: 26 Feb 2015 3:23

Tgt Ion:112 Resp: 428553
Ion Ratio Lower Upper
112 100
64 51.7 48.5 72.7
63 27.3 25.0 37.4



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: 74.22 ng

RT: 6.84 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Instrument :

BNA_F

ClientSampleId :

TU012-SB-15-14.5

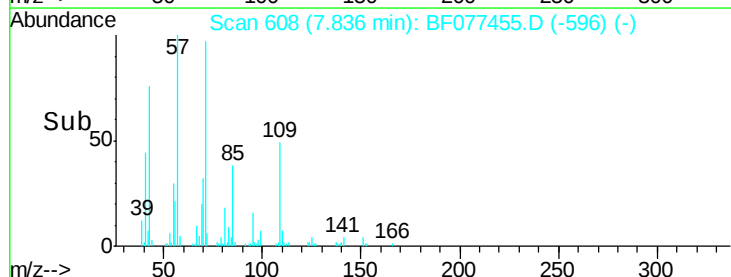
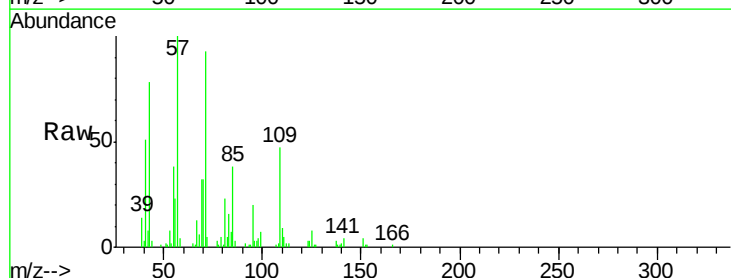
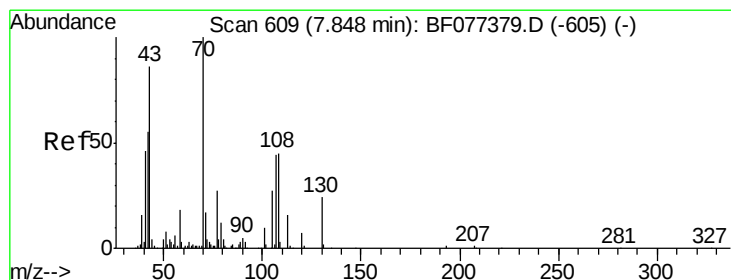
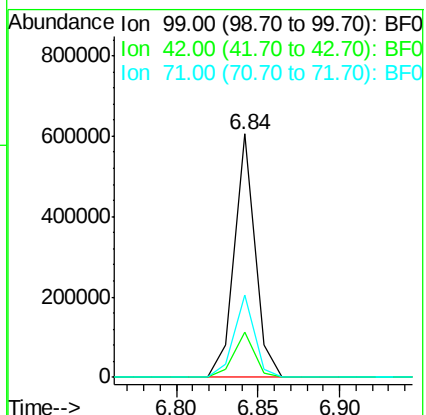
Tgt Ion: 99 Resp: 527152

Ion Ratio Lower Upper

99 100

42 18.5 16.2 24.4

71 33.6 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 7.48 ng

RT: 7.84 min Scan# 608

Delta R.T. 0.03 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Tgt Ion: 70 Resp: 33752

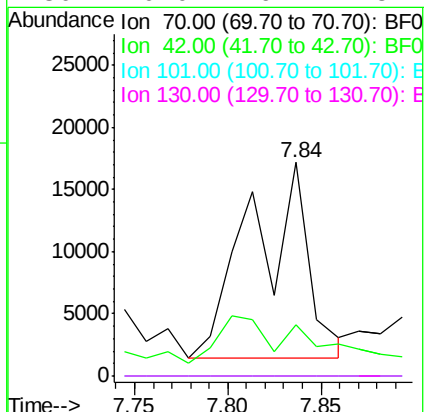
Ion Ratio Lower Upper

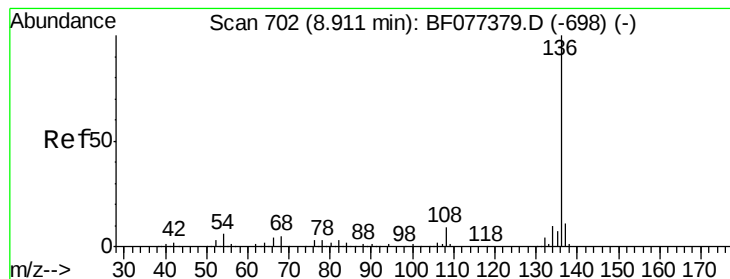
70 100

42 24.1 48.3 72.5#

101 0.0 7.5 11.3#

130 0.0 16.7 25.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Instrument :

BNA_F

ClientSampleId :

TU012-SB-15-14.5

Tgt Ion:136 Resp: 359727

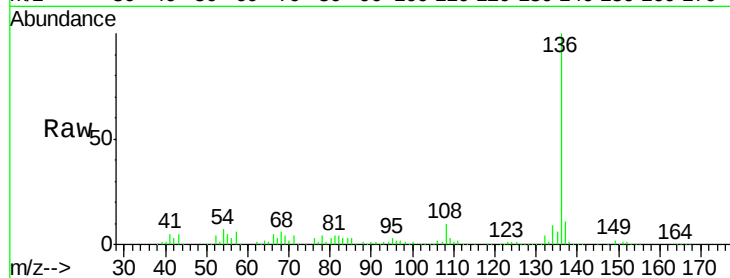
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 7.0 6.2 9.4

68 6.3 5.0 7.6

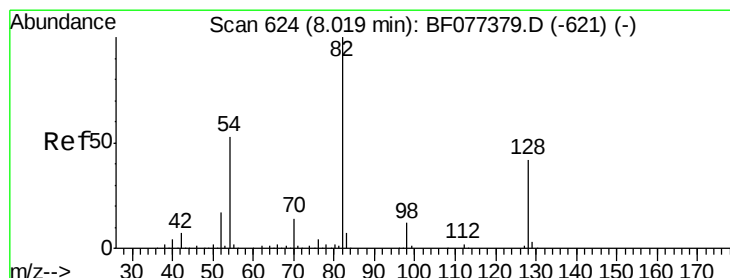
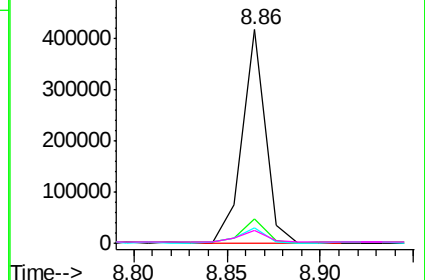
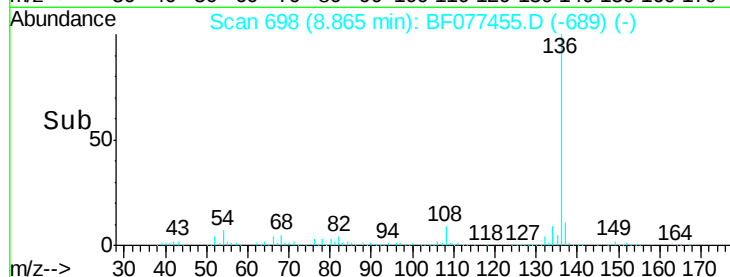


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 51.22 ng

RT: 7.97 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

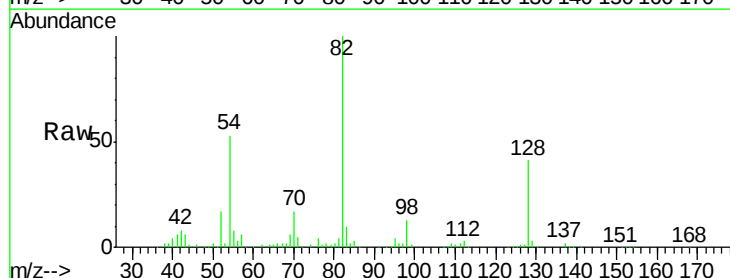
Tgt Ion: 82 Resp: 296300

Ion Ratio Lower Upper

82 100

128 40.8 43.8 65.8#

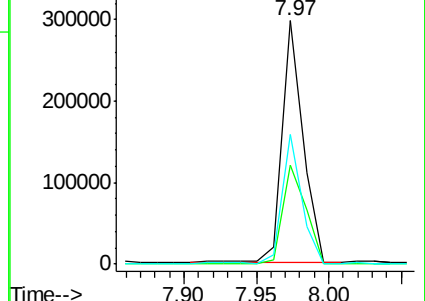
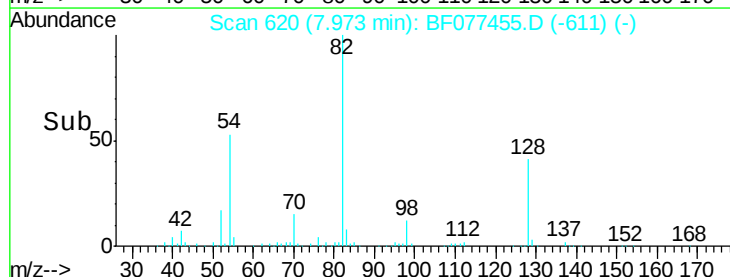
54 53.4 36.7 55.1

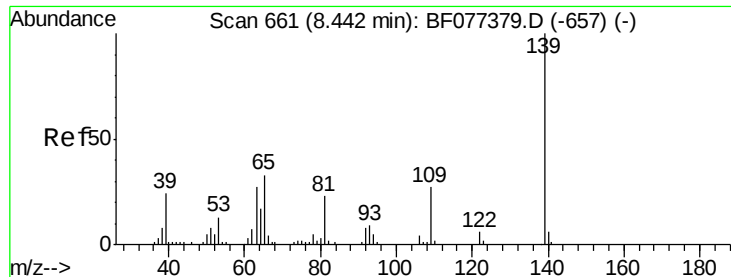


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

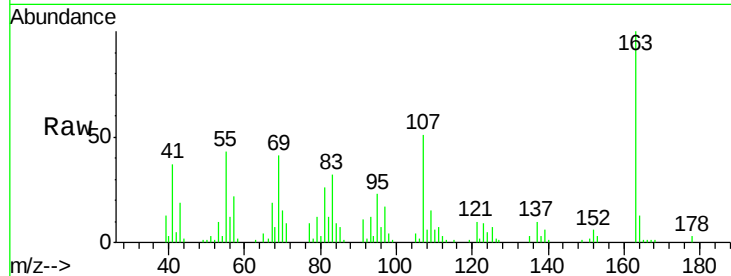




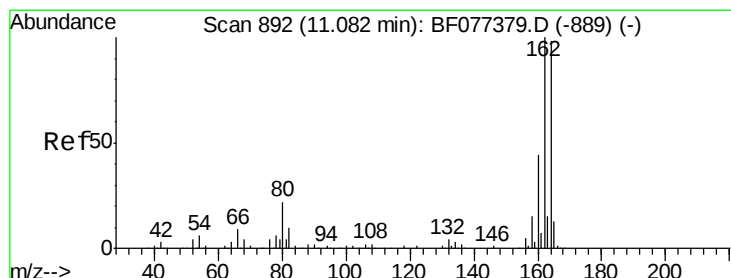
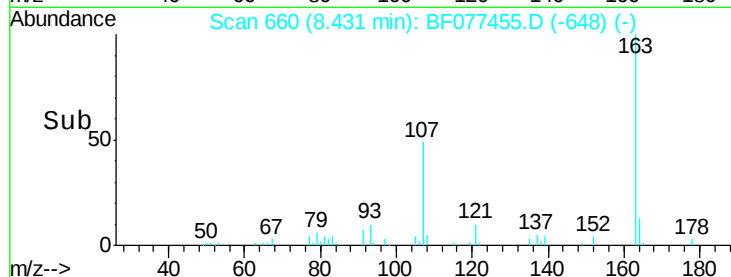
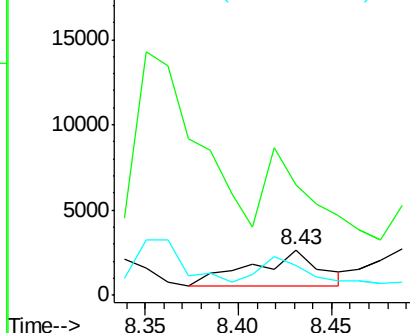
#26
2-Nitrophenol
Concen: 2.18 ng
RT: 8.43 min Scan# 660
Delta R.T. 0.03 min
Lab File: BF077455.D
Acq: 26 Feb 2015 3:23

Instrument :
BNA_F
ClientSampleId :
TU012-SB-15-14.5

Tgt Ion:139 Resp: 5428
Ion Ratio Lower Upper
139 100
109 240.0 22.6 34.0#
65 66.1 36.4 54.6#

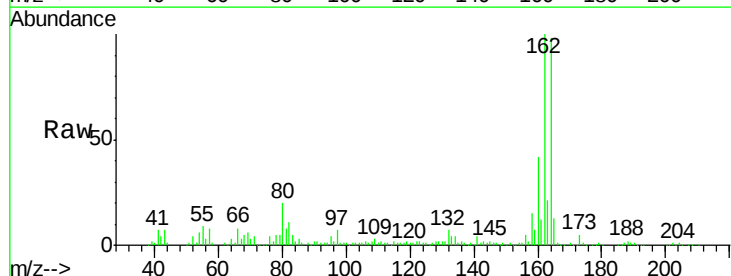


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

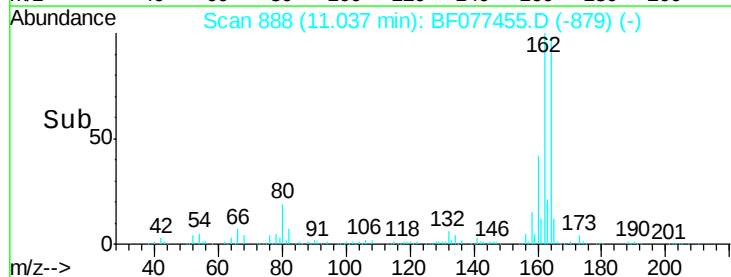
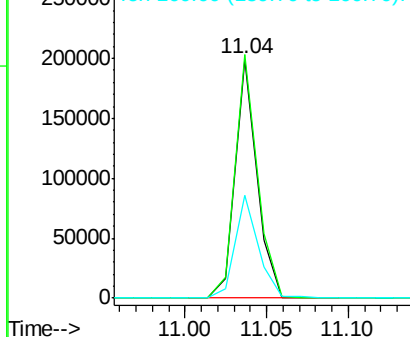


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 888
Delta R.T. 0.00 min
Lab File: BF077455.D
Acq: 26 Feb 2015 3:23

Tgt Ion:164 Resp: 180797
Ion Ratio Lower Upper
164 100
162 102.0 83.2 124.8
160 43.2 34.6 52.0



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

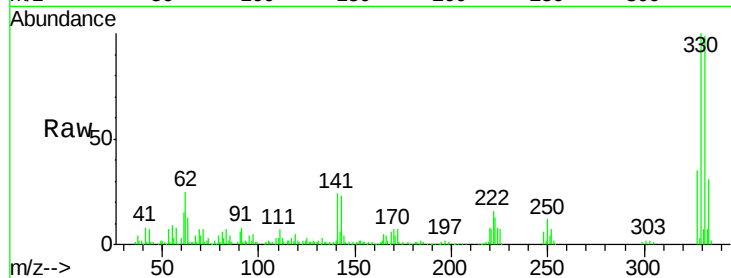




#41
 2,4,6-Tribromophenol
 Concen: 76.41 ng
 RT: 12.02 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF077455.D
 Acq: 26 Feb 2015 3:23

Instrument :
 BNA_F
 ClientSampleId :
 TU012-SB-15-14.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.4	116.2
141	35.8	28.8	43.2

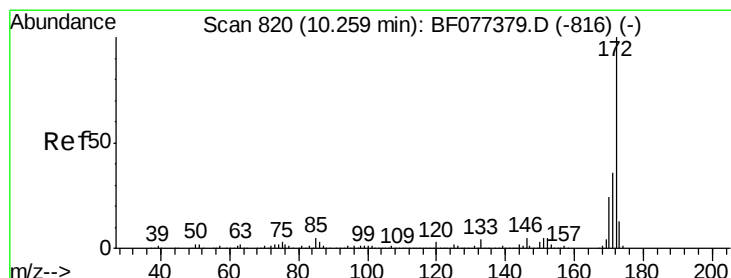
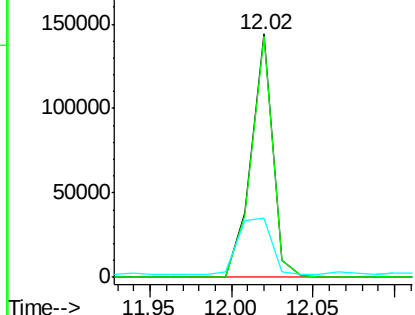
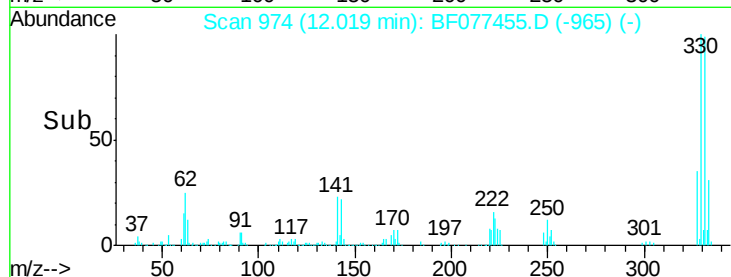


Abundance

Ion 329.80 (329.50 to 330.50): E

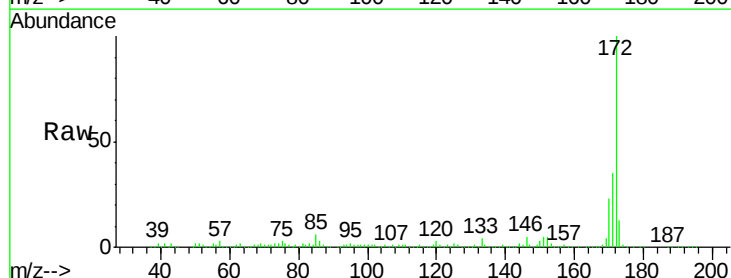
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 47.21 ng
 RT: 10.21 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF077455.D
 Acq: 26 Feb 2015 3:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.9	43.3
170	23.3	19.4	29.2

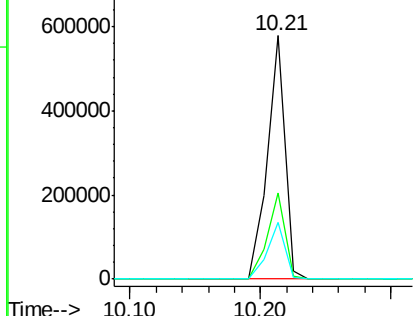
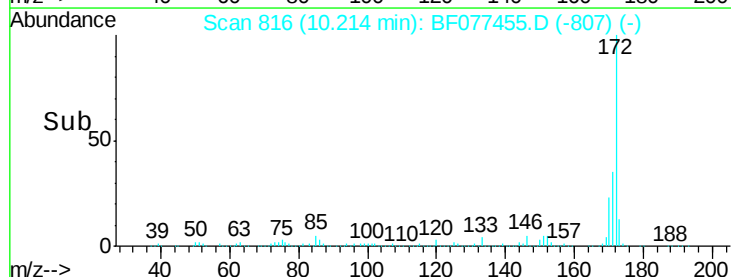


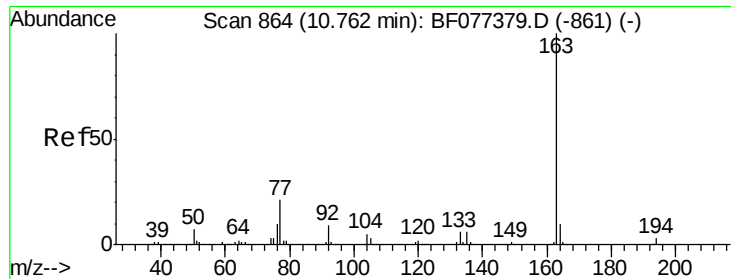
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.43 ng

RT: 10.72 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Instrument :

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ClientSampleId :

TU012-SB-15-14.5

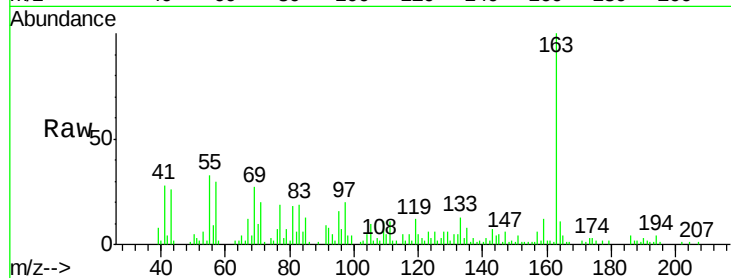
Tgt Ion:163 Resp: 43604

Ion Ratio Lower Upper

163 100

194 4.5 2.6 4.0#

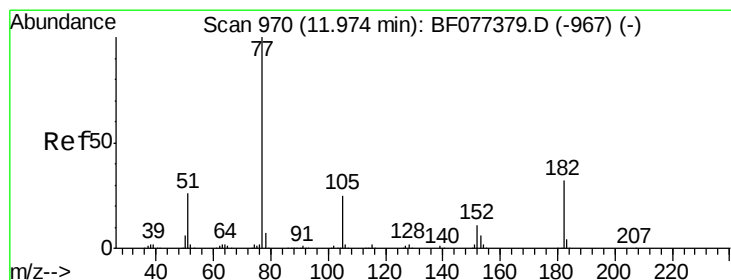
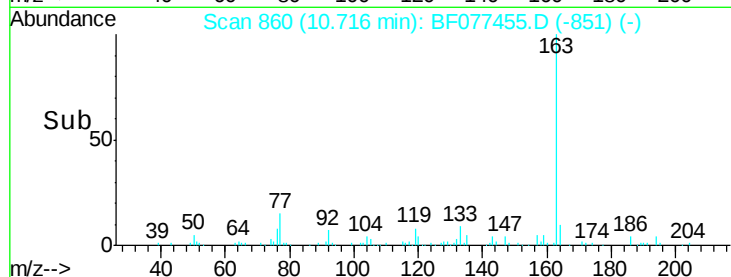
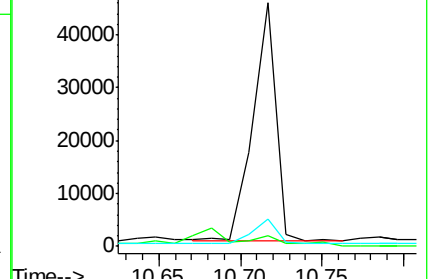
164 11.1 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#62

Azobenzene

Concen: 4.06 ng

RT: 11.94 min Scan# 967

Delta R.T. 0.02 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Tgt Ion: 77 Resp: 48235

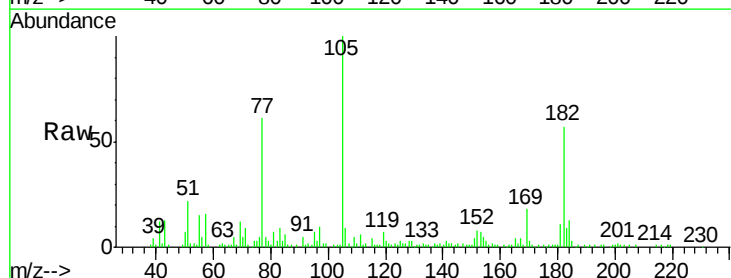
Ion Ratio Lower Upper

77 100

182 92.6 4.9 44.9#

105 162.9 3.3 43.3#

51 35.8 8.9 48.9

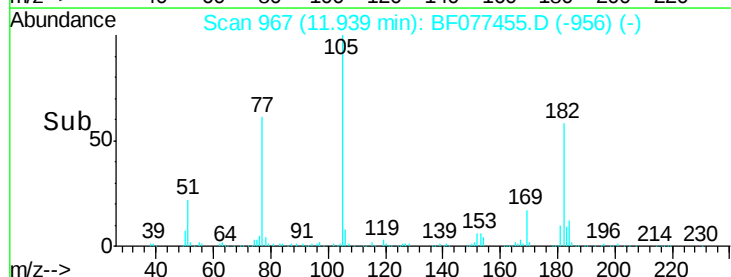
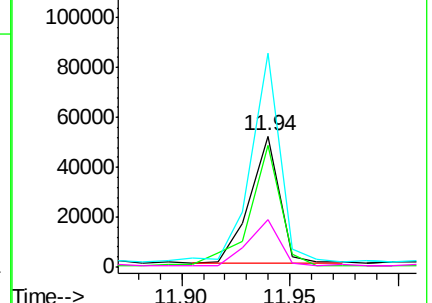


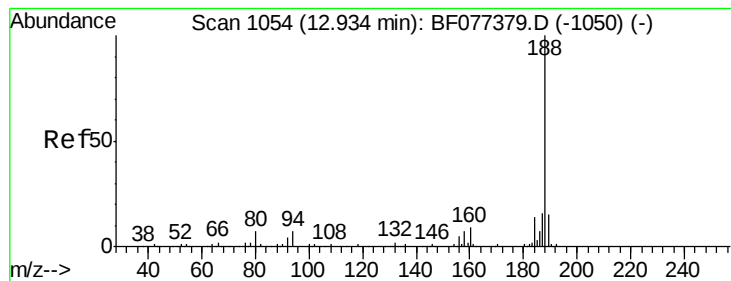
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.88 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Instrument :

BNA_F

ClientSampleId :

TU012-SB-15-14.5

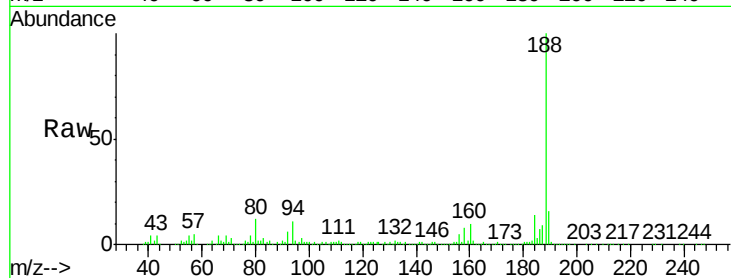
Tgt Ion:188 Resp: 357428

Ion Ratio Lower Upper

188 100

94 10.9 7.4 11.2

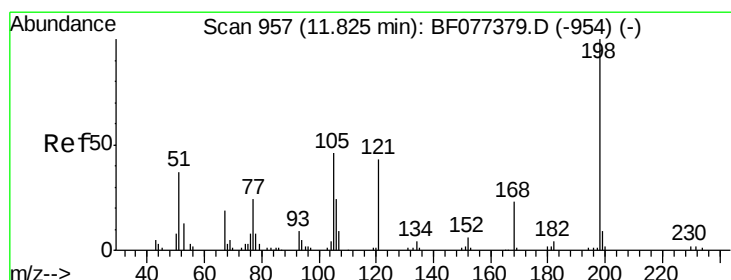
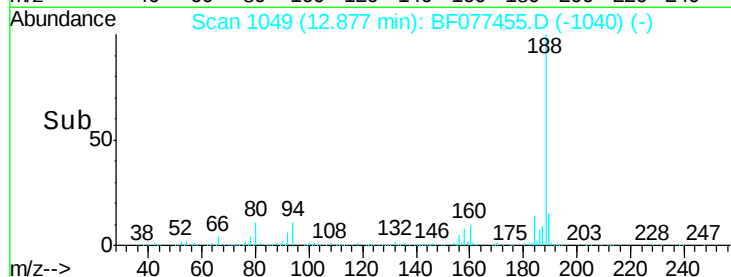
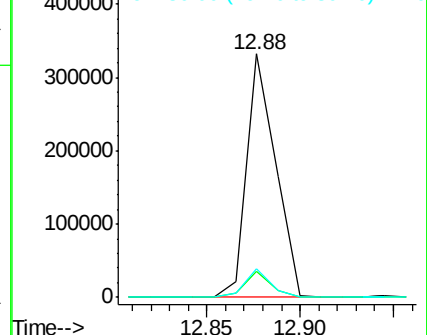
80 11.6 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 3.90 ng

RT: 11.72 min Scan# 948

Delta R.T. -0.06 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

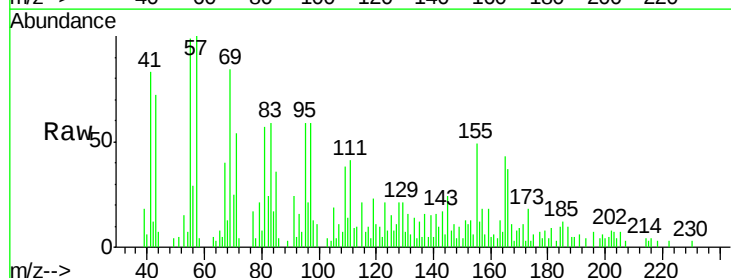
Tgt Ion:198 Resp: 291

Ion Ratio Lower Upper

198 100

51 142.2 2.7 42.7#

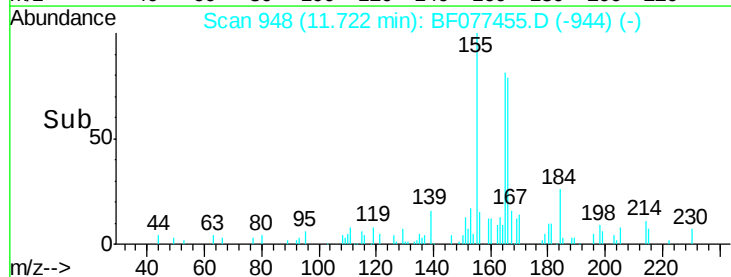
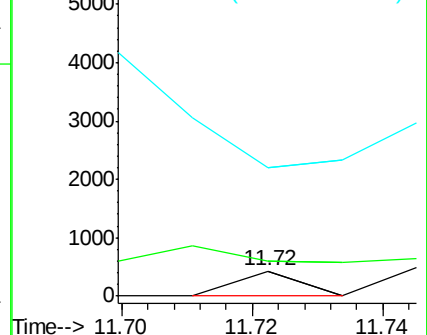
105 516.5 10.0 50.0#

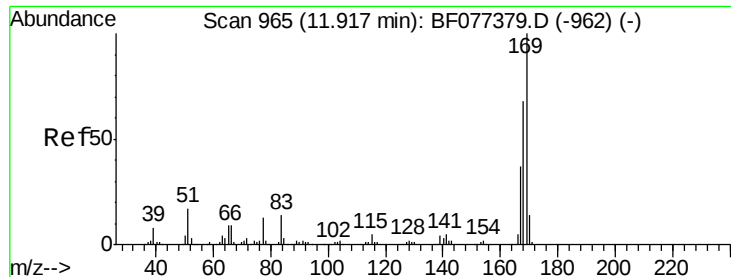


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 2.14 ng

RT: 11.87 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Instrument :

BNA_F

ClientSampleId :

TU012-SB-15-14.5

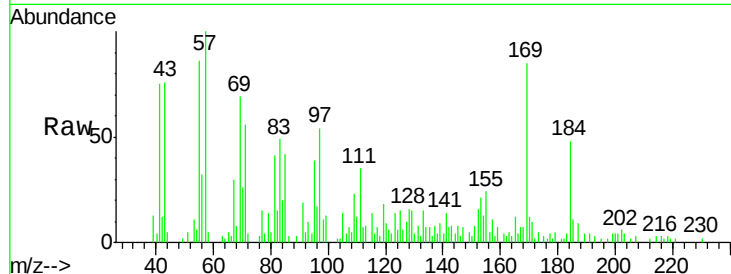
Tgt Ion:169 Resp: 25349

Ion Ratio Lower Upper

169 100

168 8.0 53.0 79.6#

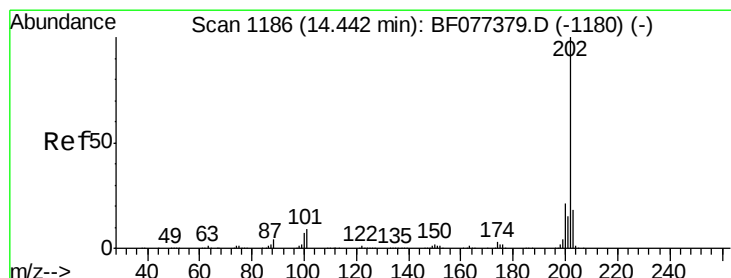
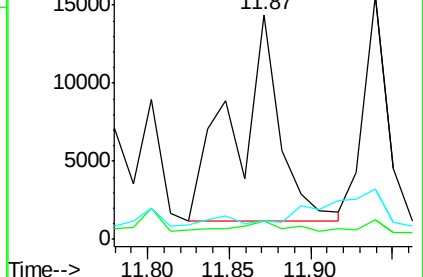
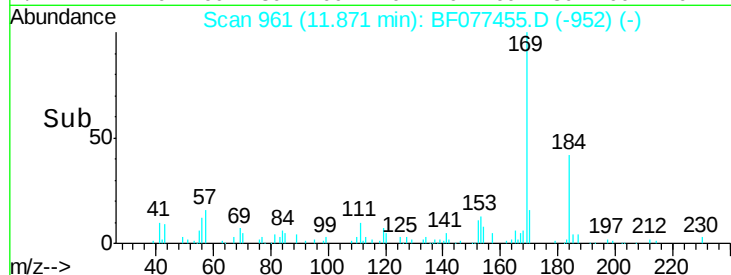
167 8.0 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#74

Fluoranthene

Concen: 2.23 ng

RT: 14.39 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

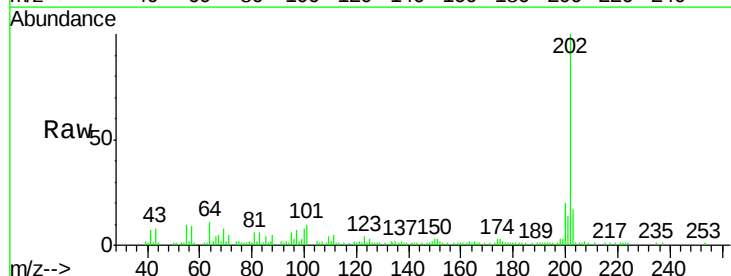
Tgt Ion:202 Resp: 50514

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.8

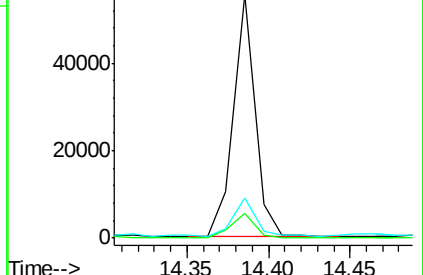
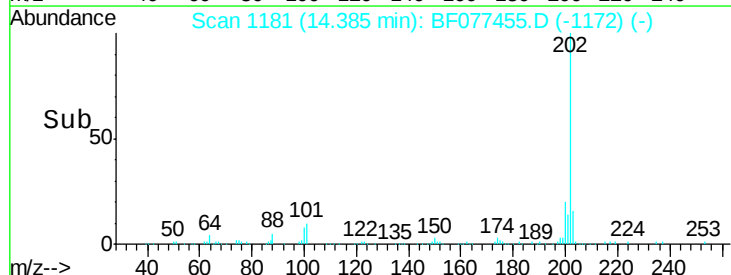
203 16.6 0.0 37.7

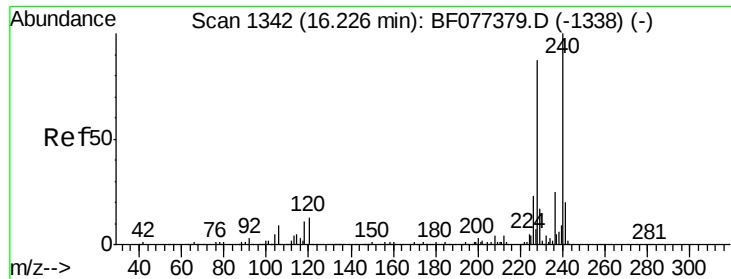


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.17 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Instrument :

BNA_F

ClientSampleId :

TU012-SB-15-14.5

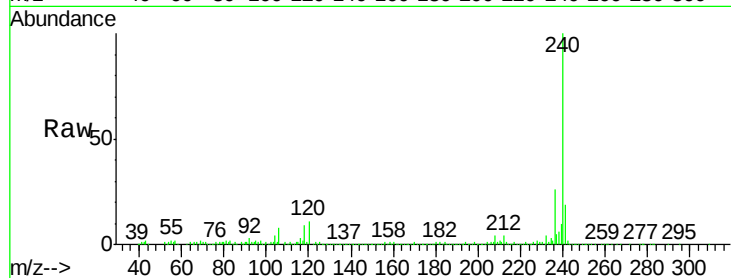
Tgt Ion:240 Resp: 391197

Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

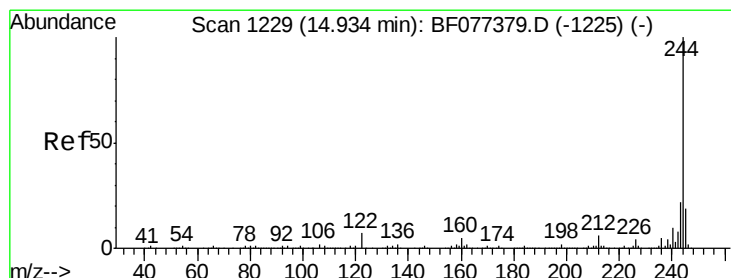
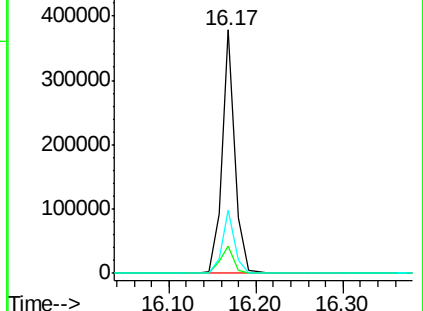
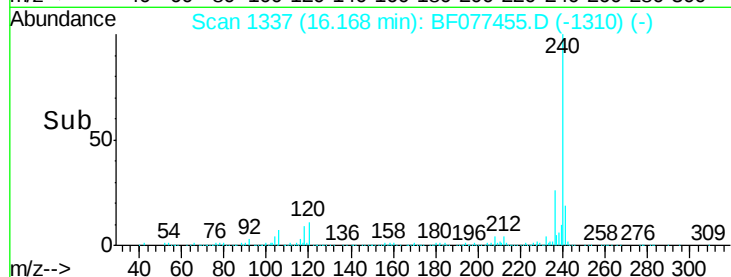
236 25.7 20.7 31.1



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



#78

Terphenyl-d14

Concen: 36.04 ng

RT: 14.88 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

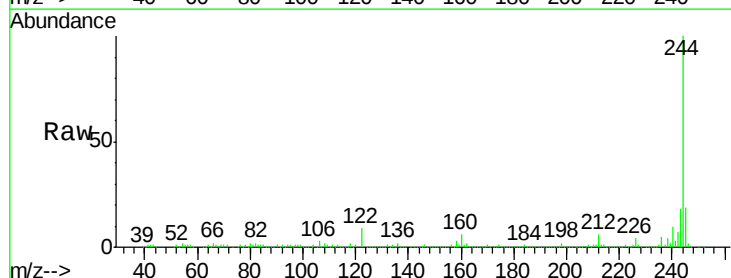
Tgt Ion:244 Resp: 603045

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

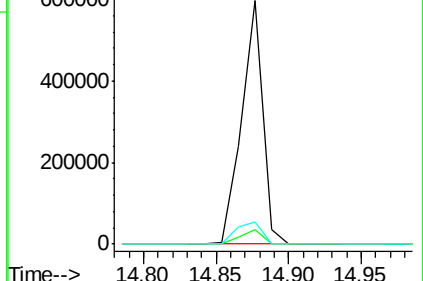
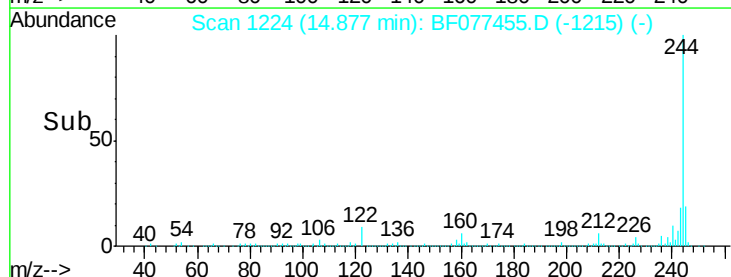
122 9.3 7.8 11.8

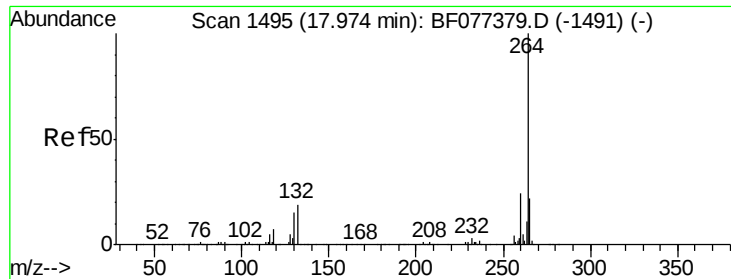


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



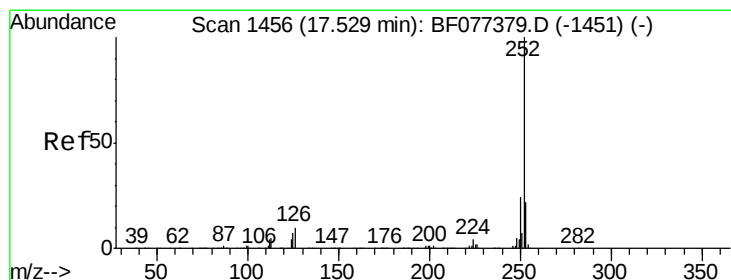
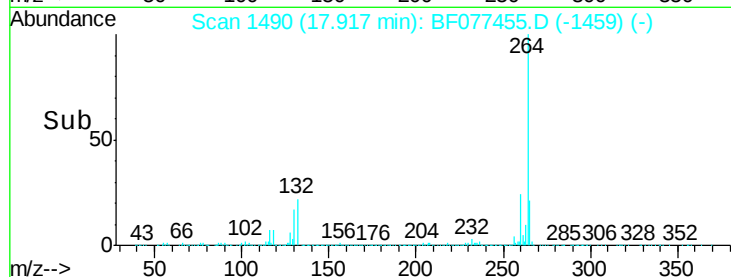
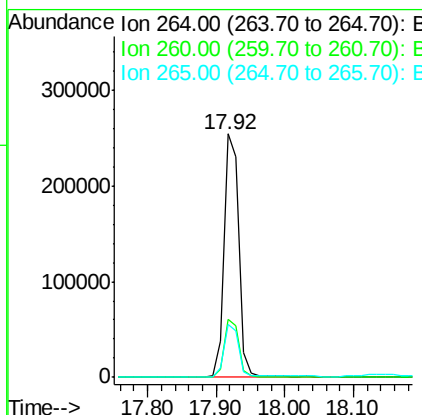
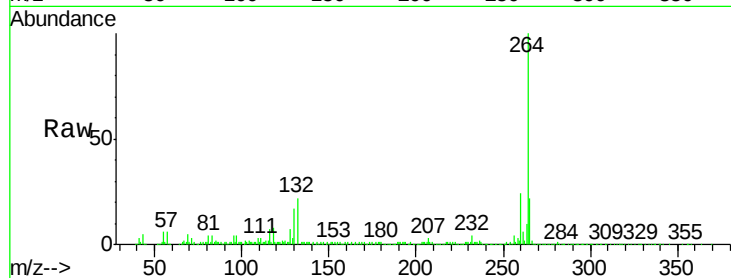


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.92 min Scan# 1490
Delta R.T. 0.06 min
Lab File: BF077455.D
Acq: 26 Feb 2015 3:23

Instrument :
BNA_F
ClientSampleId :
TU012-SB-15-14.5

Tgt Ion: 264 Resp: 386003

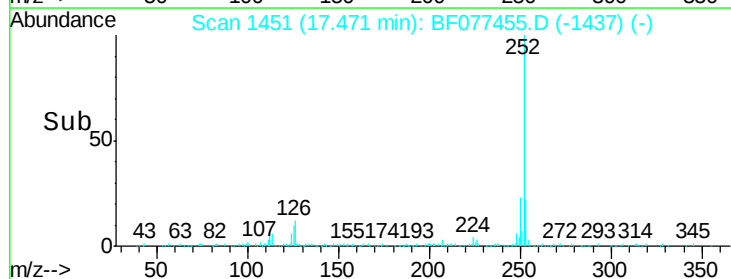
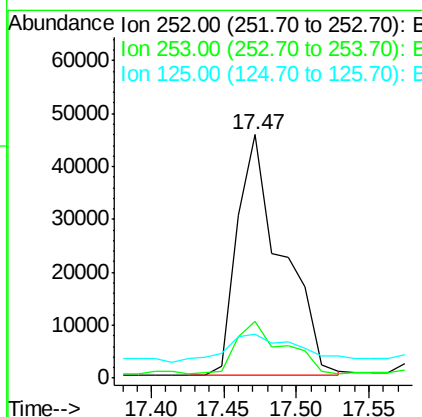
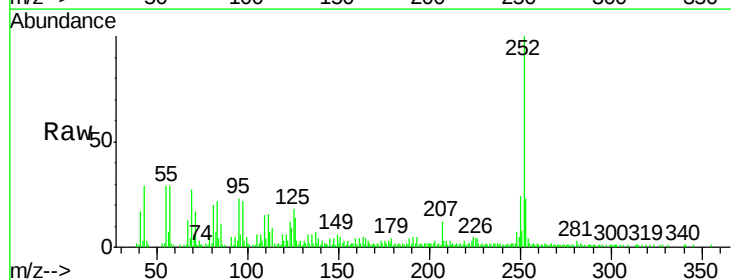
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.5	16.8	25.2

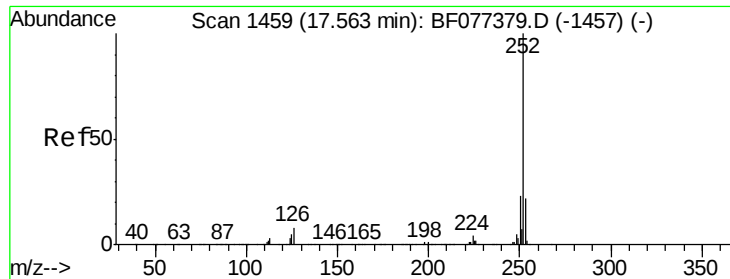


#87
Benzo(b)fluoranthene
Concen: 4.35 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.06 min
Lab File: BF077455.D
Acq: 26 Feb 2015 3:23

Tgt Ion: 252 Resp: 97749

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	18.1	5.4	8.2#





#88

Benzo(k)fluoranthene

Concen: 4.48 ng

RT: 17.47 min Scan# 1451

Delta R.T. 0.02 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

Instrument :

BNA_F

ClientSampleId :

TU012-SB-15-14.5

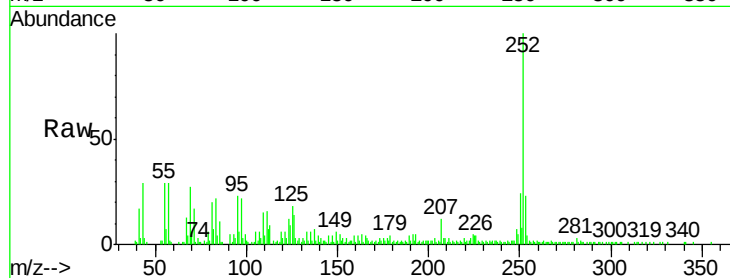
Tgt Ion:252 Resp: 98560

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

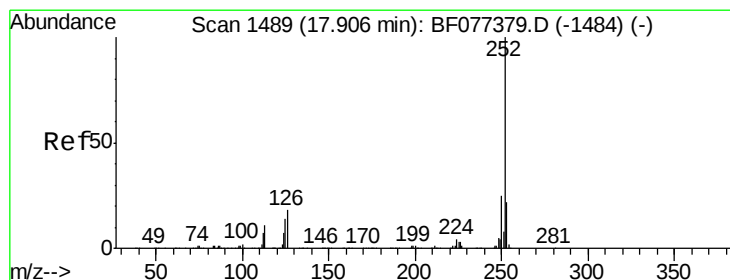
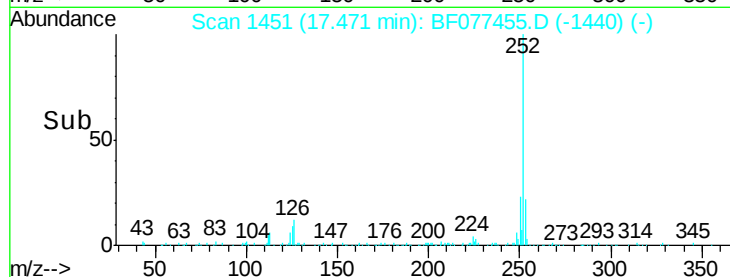
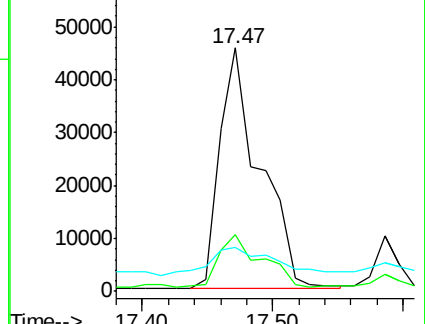
125 18.1 10.1 15.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.60 ng

RT: 17.86 min Scan# 1485

Delta R.T. 0.07 min

Lab File: BF077455.D

Acq: 26 Feb 2015 3:23

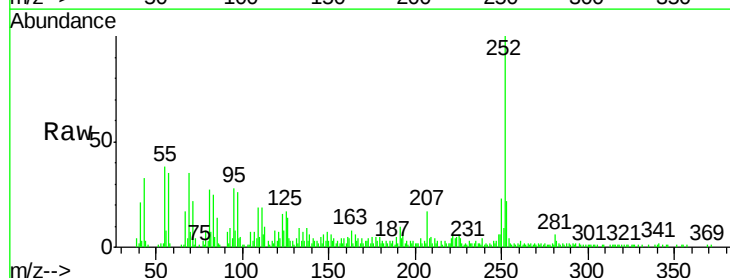
Tgt Ion:252 Resp: 55577

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 17.0 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

