

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097254.D
 Acq On : 2 Aug 2017 5:09
 Operator : SJ/JU
 Sample : I4471-18 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

Quant Time: Aug 02 05:36:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

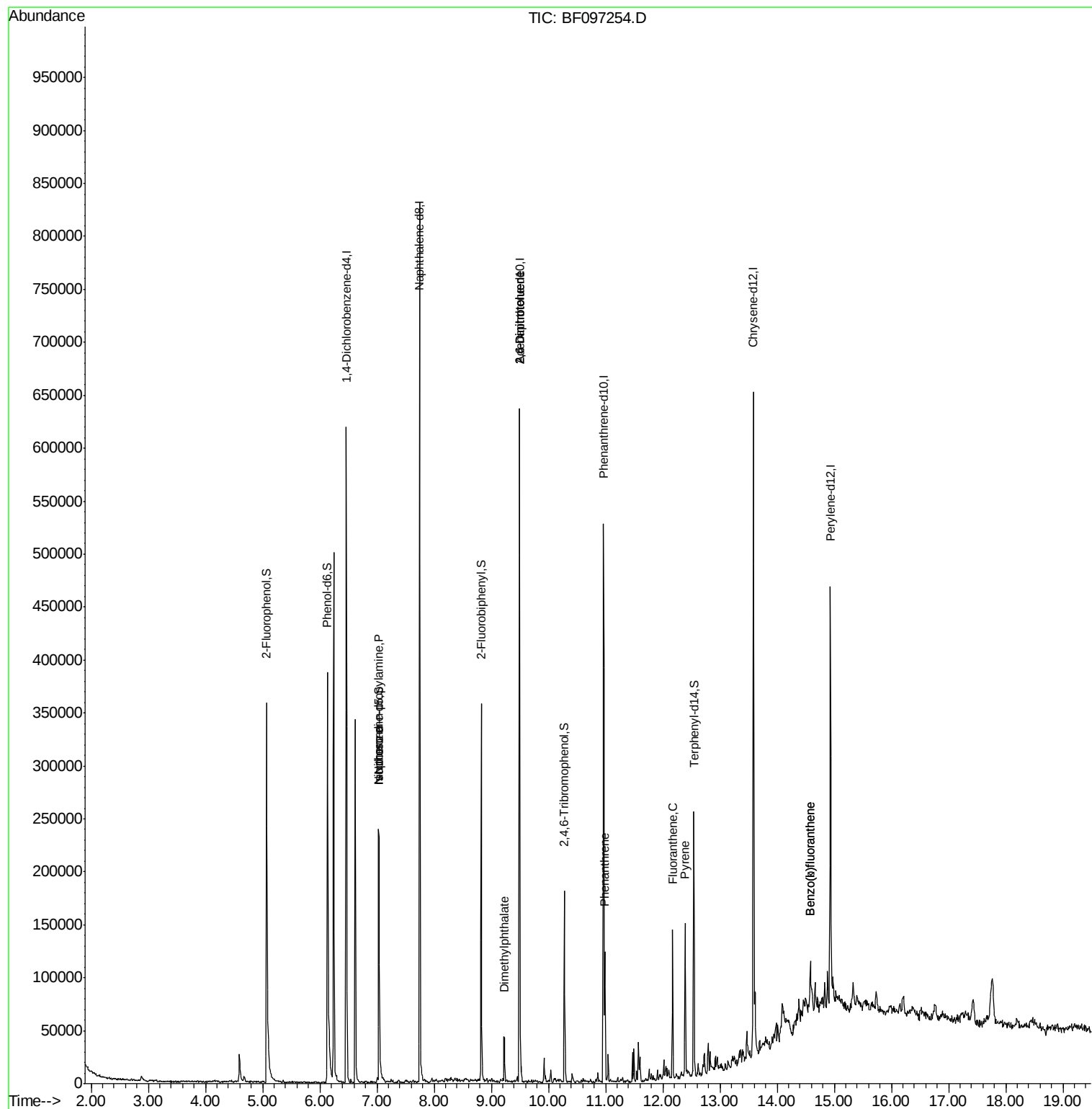
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	85652	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	334665	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	120263	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	180709	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	196946	20.00	ng	-0.04
86) Perylene-d12	14.93	264	143138	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	131682	23.18	ng	-0.03
7) Phenol-d6	6.13	99	160709	24.78	ng	-0.04
23) Nitrobenzene-d5	7.03	82	89627	15.71	ng	-0.05
41) 2,4,6-Tribromophenol	10.28	330	20445	21.52	ng	-0.04
44) 2-Fluorobiphenyl	8.82	172	101746	14.36	ng	-0.05
78) Terphenyl-d14	12.55	244	67875	7.03	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.03	70	11225	2.63	ng	# 83
25) Isophorone	7.03	82	89626	8.02	ng	# 67
49) Dimethylphthalate	9.23	163	19140	2.10	ng	# 96
50) 2,6-Dinitrotoluene	9.49	165	15367	7.93	ng	# 31
56) 2,4-Dinitrotoluene	9.49	165	15367	6.90	ng	# 31
70) Phenanthrene	10.99	178	45314	4.68	ng	95
74) Fluoranthene	12.17	202	49724	5.24	ng	99
77) Pyrene	12.39	202	54297	3.37	ng	98
87) Benzo(b)fluoranthene	14.58	252	22486	2.61	ng	# 92
88) Benzo(k)fluoranthene	14.58	252	22486	2.74	ng	# 96

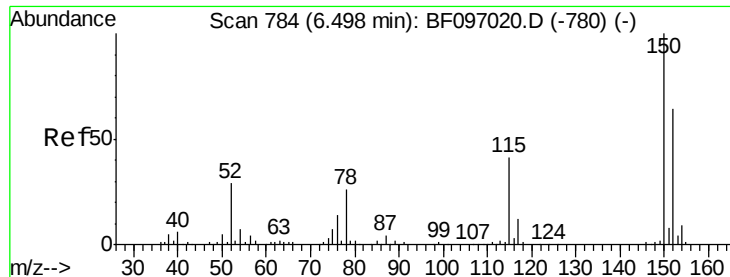
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.04 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-L6-NSW

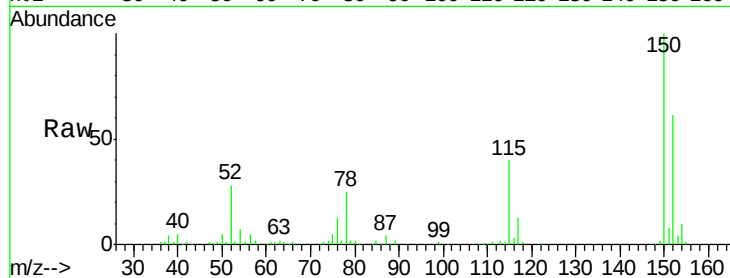
Tot Ion:152 Resp: 85652

Ion Ratio Lower Upper

152 100

150 164.6 126.2 189.2

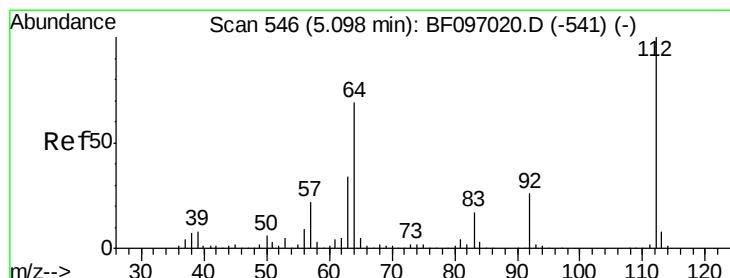
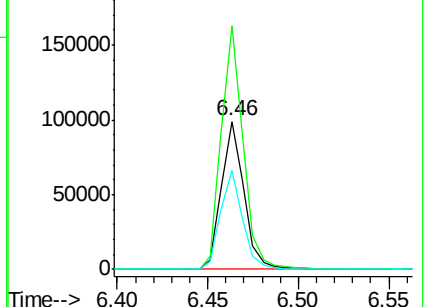
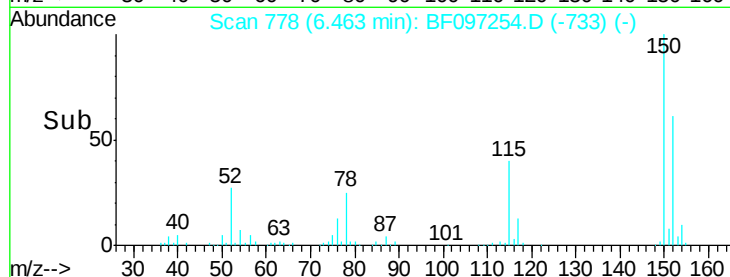
115 66.6 52.2 78.2



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: 23.18 ng

RT: 5.07 min Scan# 541

Delta R.T. -0.03 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

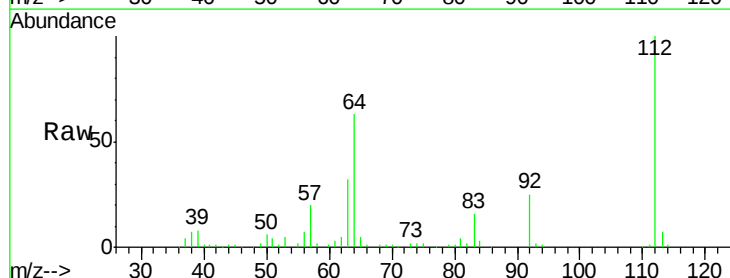
Tgt Ion:112 Resp: 131682

Ion Ratio Lower Upper

112 100

64 63.5 46.0 69.0

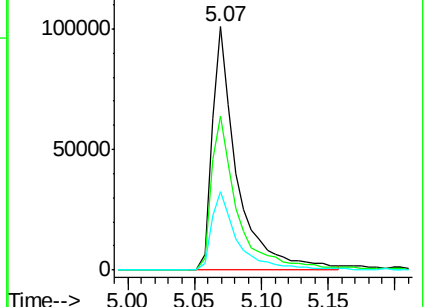
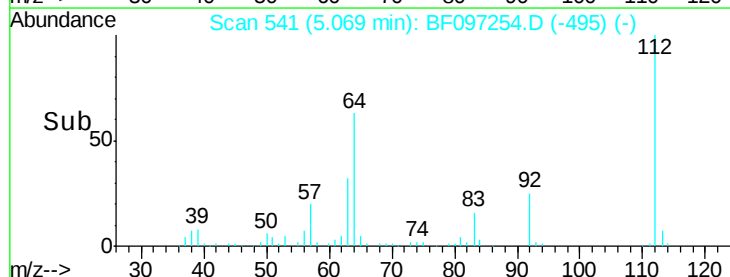
63 32.1 23.4 35.0

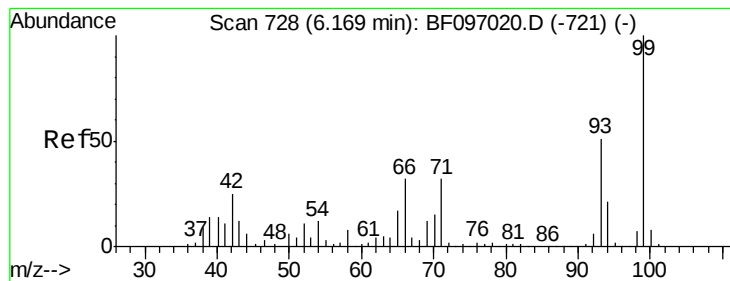


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.78 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-L6-NSW

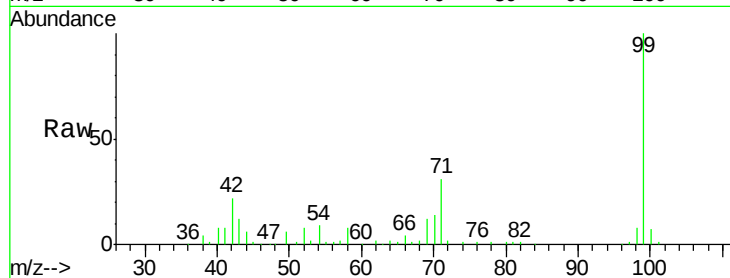
Tot Ion: 99 Resp: 160709

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

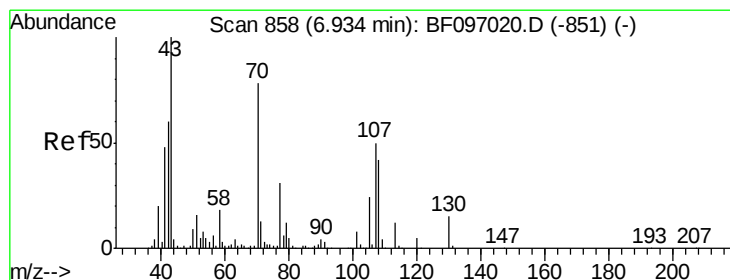
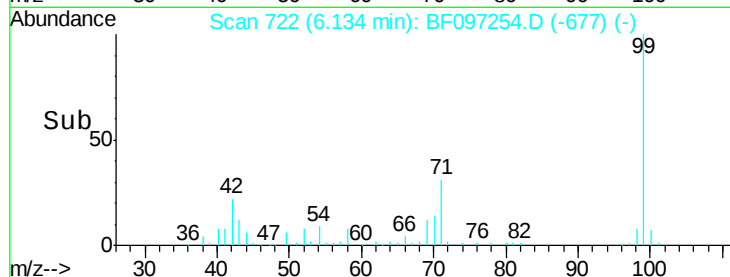
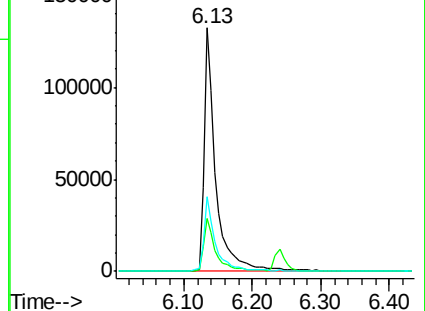
71 30.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.63 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.10 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

Tgt Ion: 70 Resp: 11225

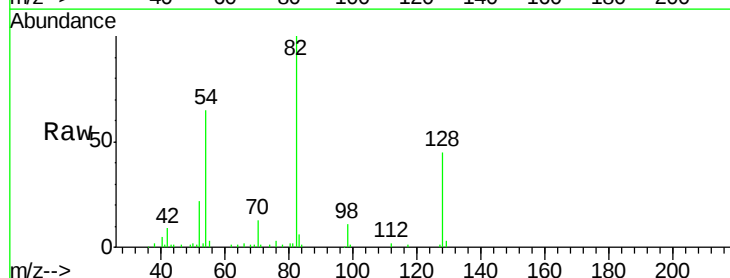
Ion Ratio Lower Upper

70 100

42 63.7 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

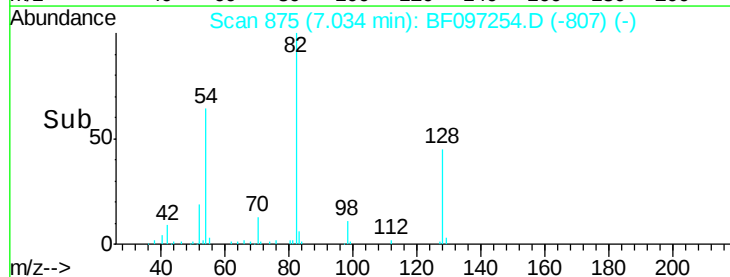
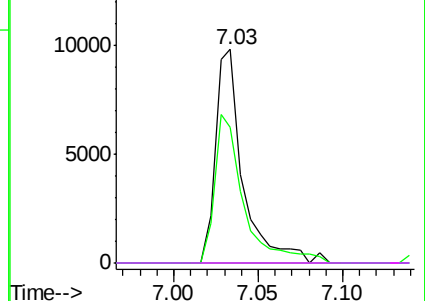


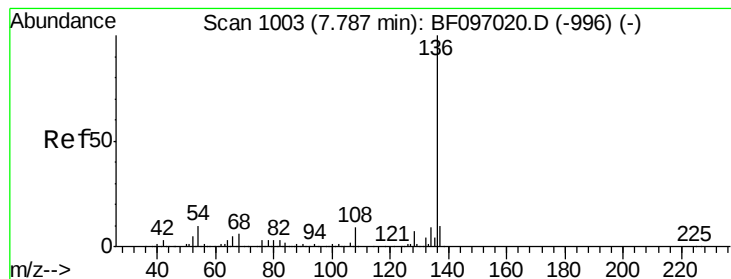
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-L6-NSW

Tot Ion:136 Resp: 334665

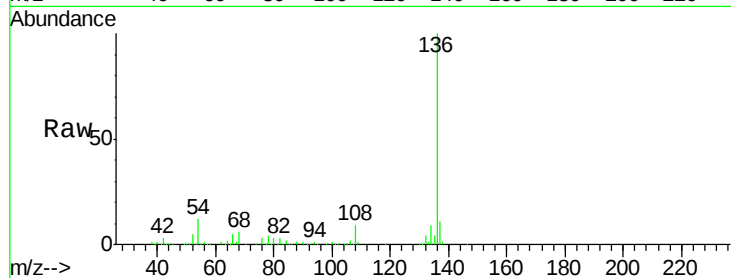
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 11.7 4.9 7.3#

68 6.4 4.1 6.1#

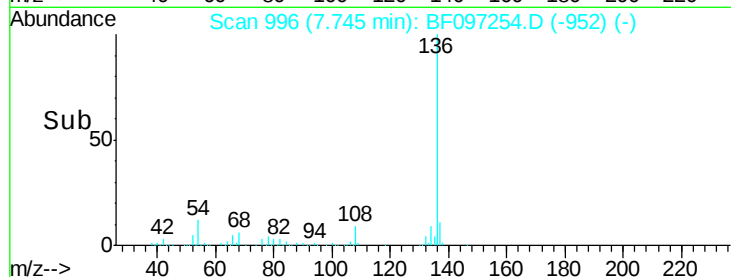


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

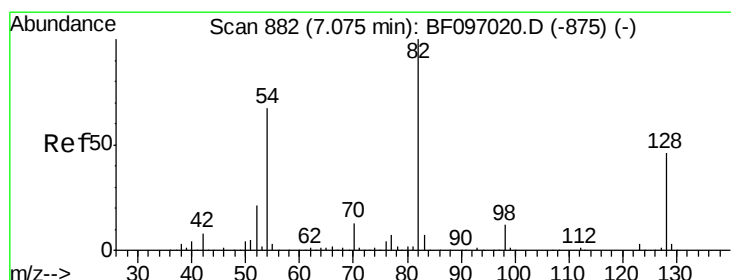
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.75



#23

Nitrobenzene-d5

Concen: 15.71 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.05 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

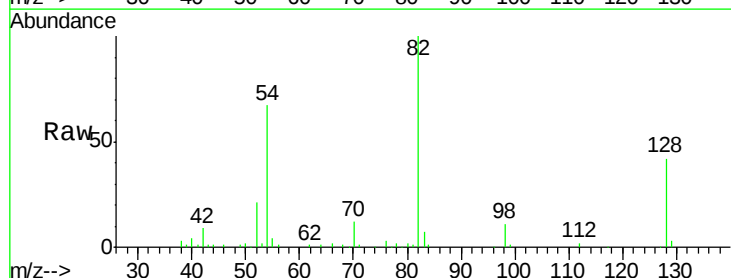
Tgt Ion: 82 Resp: 89627

Ion Ratio Lower Upper

82 100

128 42.4 34.0 51.0

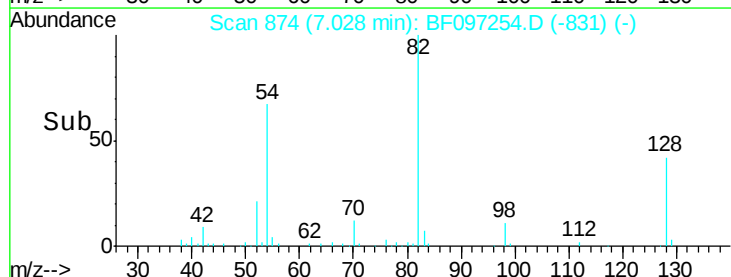
54 66.6 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

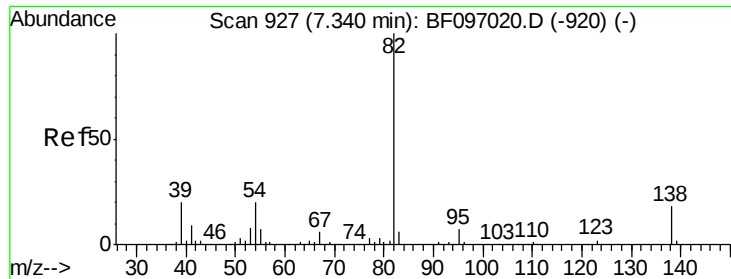
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.03



#25

Isophorone

Concen: 8.02 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.31 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-L6-NSW

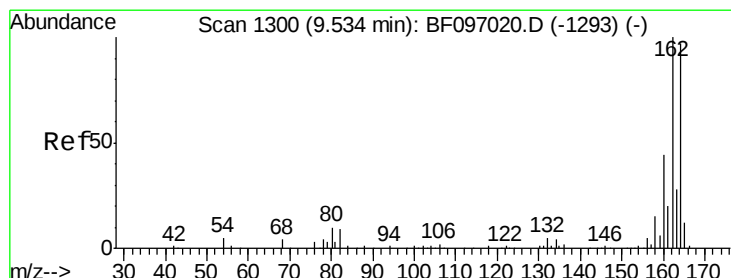
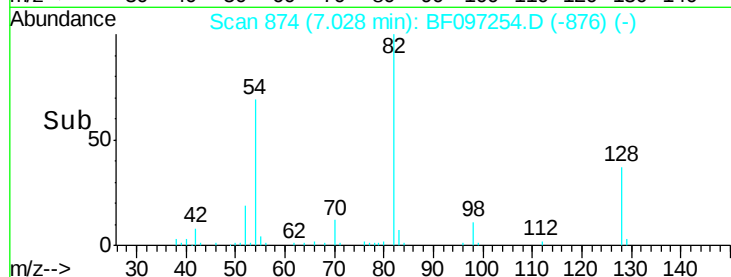
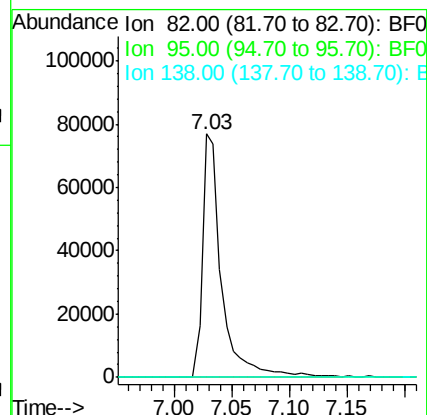
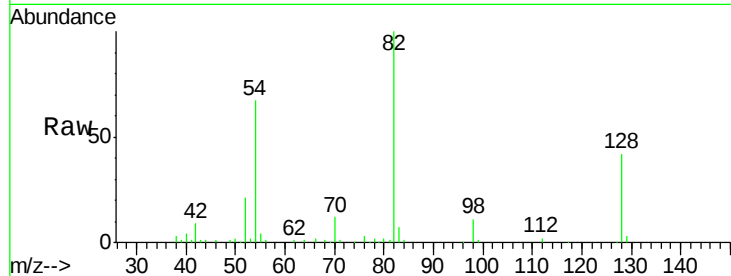
Tot Ion: 82 Resp: 89626

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

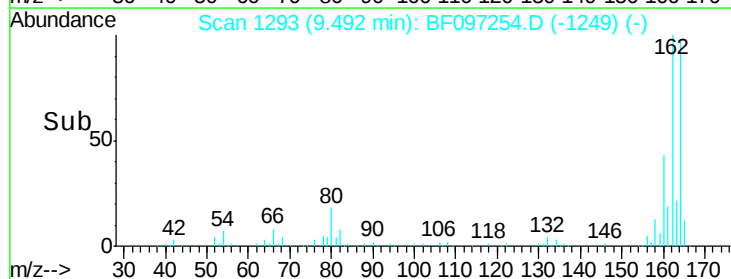
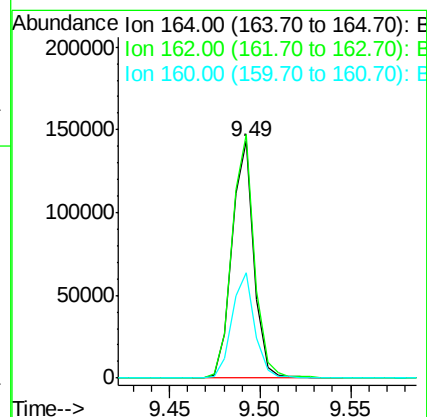
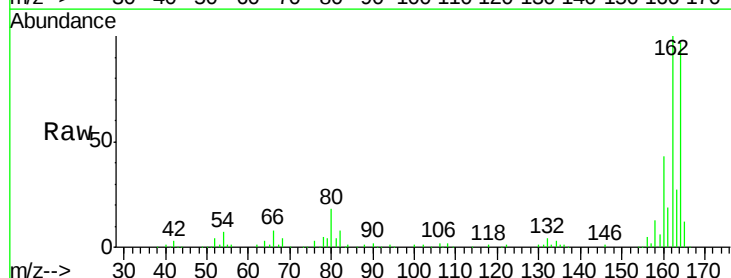
Tgt Ion: 164 Resp: 120263

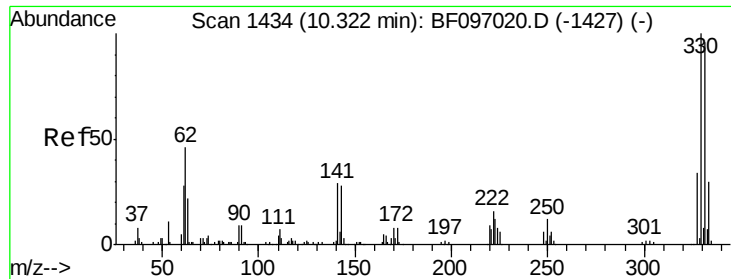
Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

160 44.7 36.2 54.2

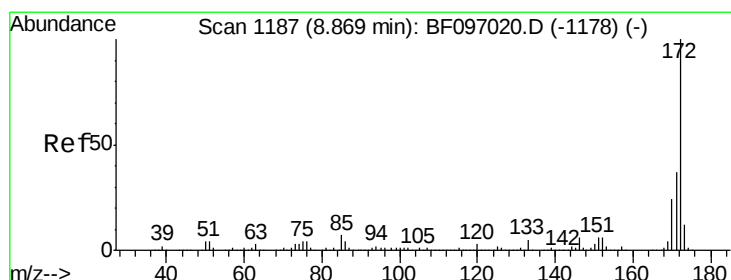
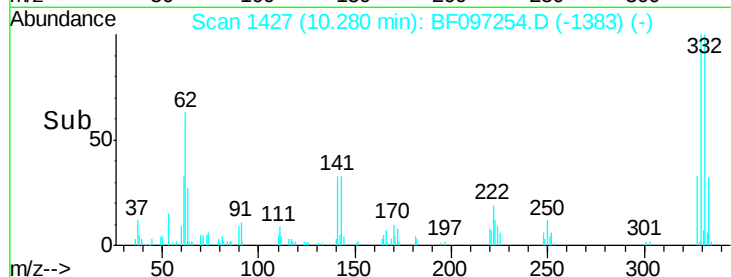
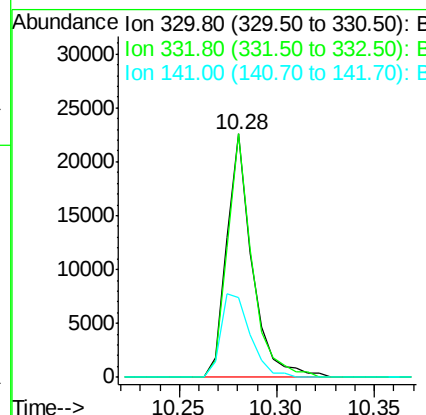
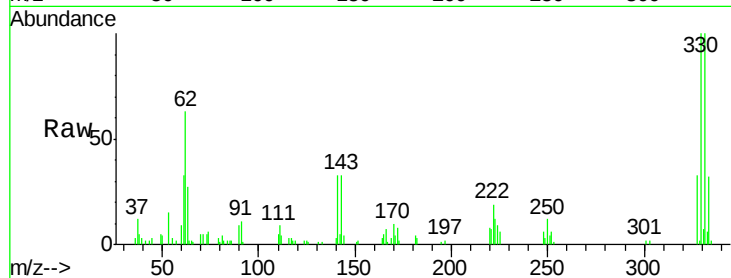




#41
 2,4,6-Tribromophenol
 Concen: 21.52 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

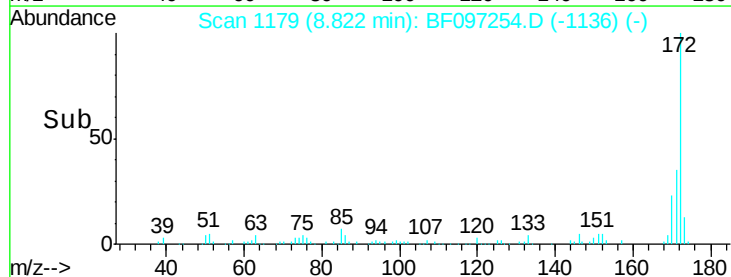
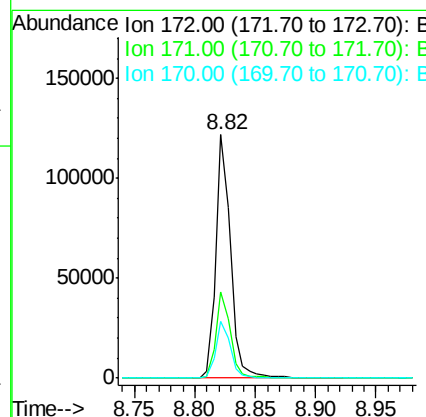
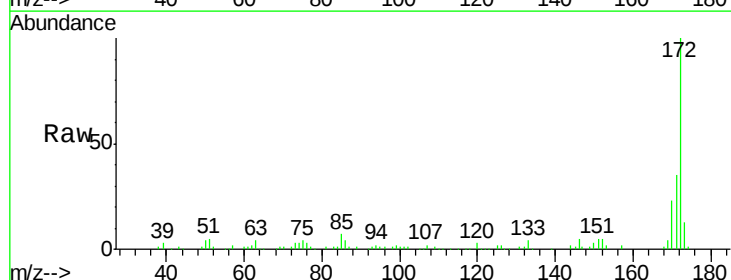
Instrument :
 BNA_F
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 E2-L6-NSW

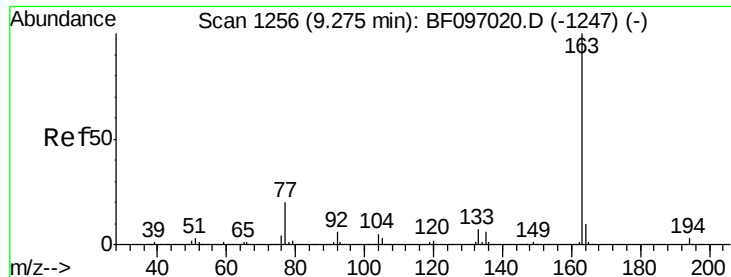
Tot Ion	330	332	141
Resp:	20445		
Ion Ratio	100	96.9	40.0
Lower		76.6	31.4
Upper		115.0	47.2



#44
 2-Fluorobiphenyl
 Concen: 14.36 ng
 RT: 8.82 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

Tgt Ion	172	171	170
Resp:	101746		
Ion Ratio	100	35.2	23.3
Lower		29.6	19.8
Upper		44.4	29.8

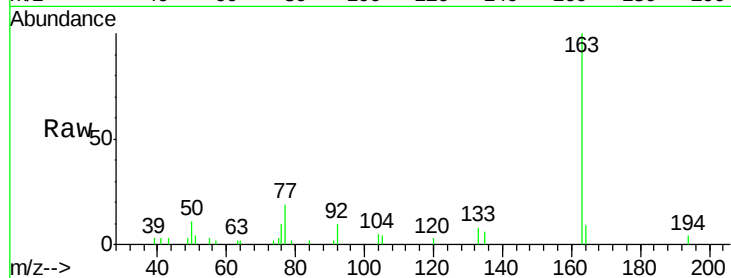




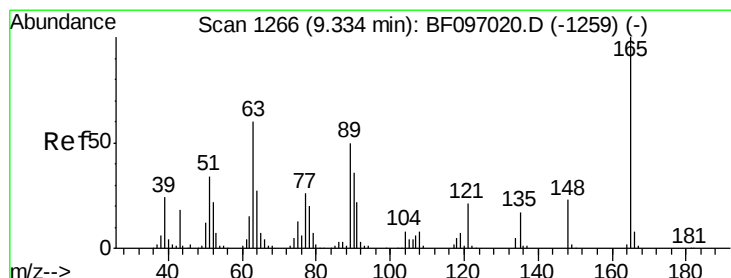
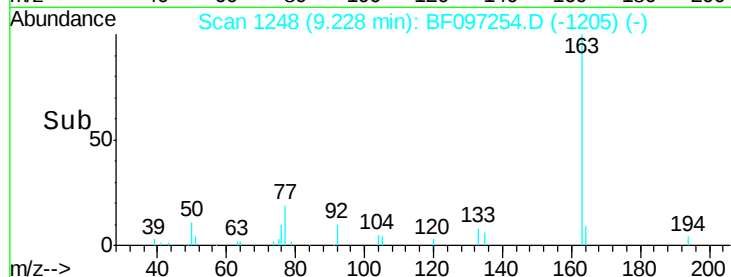
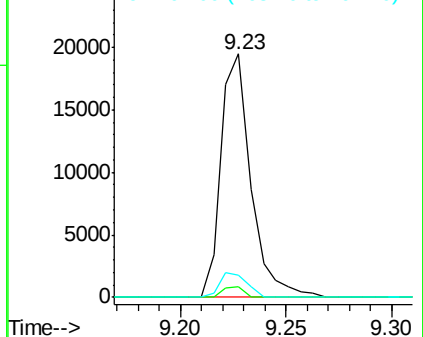
#49
Dimethylphthalate
Concen: 2.10 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.05 min
Lab File: BF097254.D
Acq: 2 Aug 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW

Tot Ion:163 Resp: 19140
Ion Ratio Lower Upper
163 100
194 4.2 2.6 4.0#
164 8.9 8.4 12.6

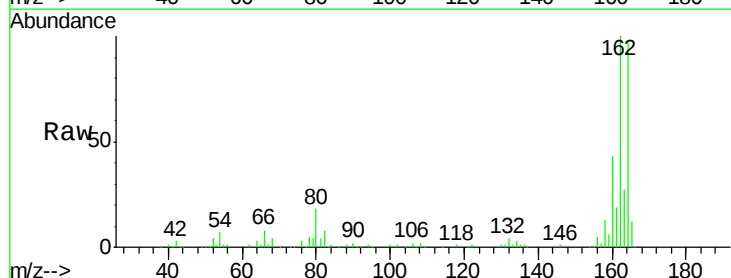


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

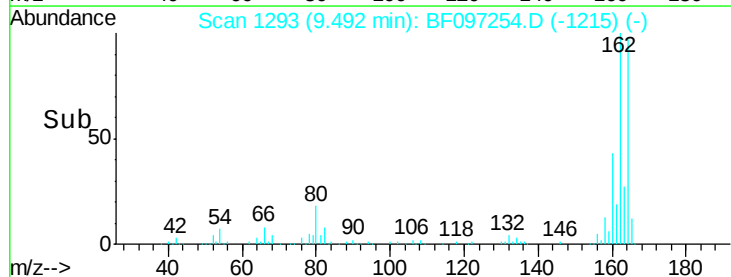
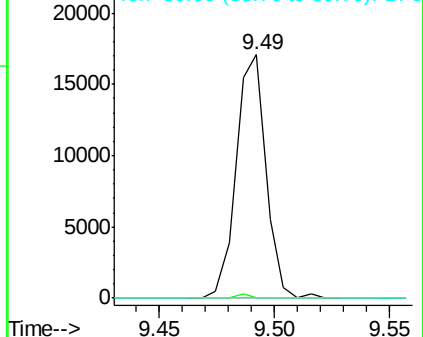


#50
2,6-Dinitrotoluene
Concen: 7.93 ng
RT: 9.49 min Scan# 1293
Delta R.T. 0.16 min
Lab File: BF097254.D
Acq: 2 Aug 2017 5:09

Tgt Ion:165 Resp: 15367
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

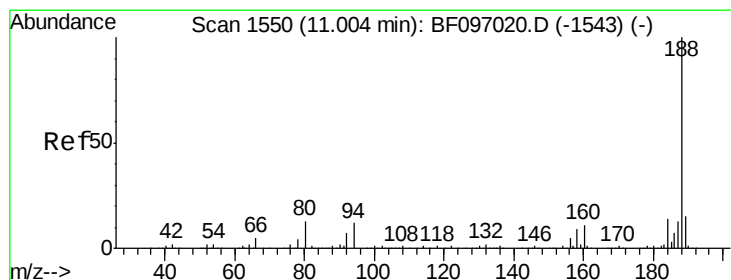
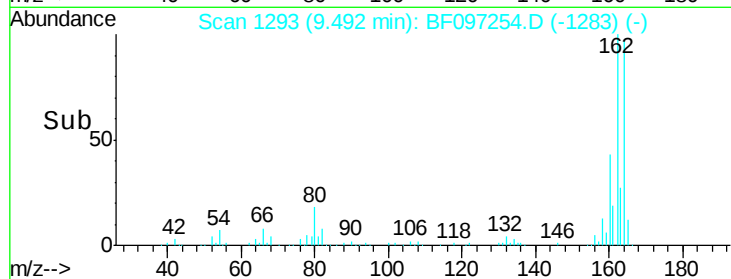
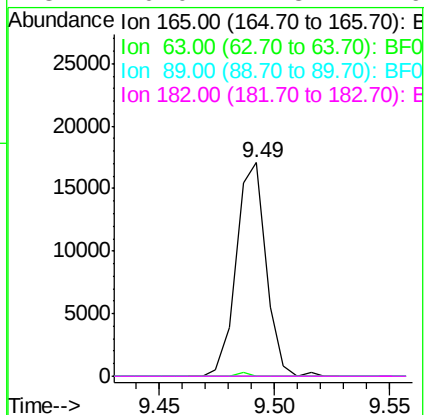
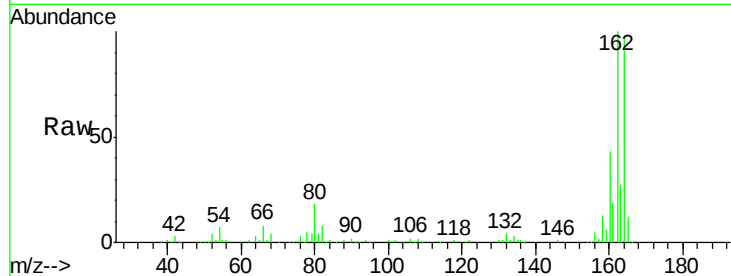




#56
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.24 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

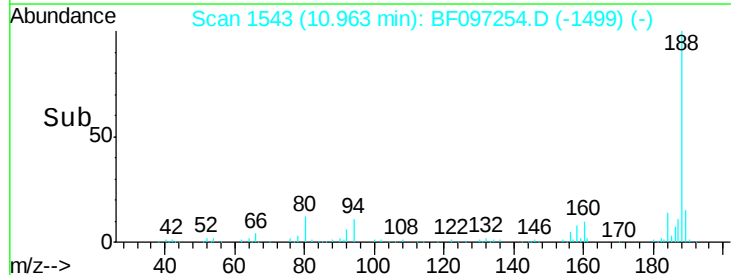
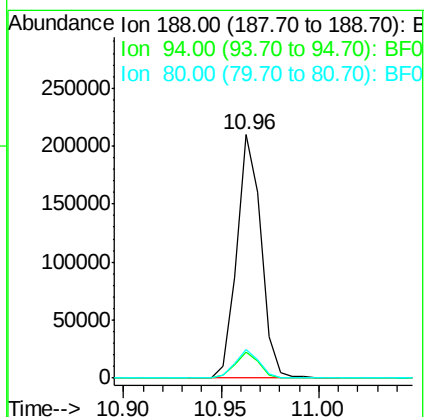
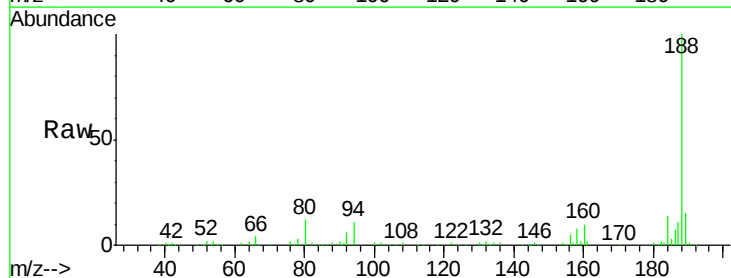
Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

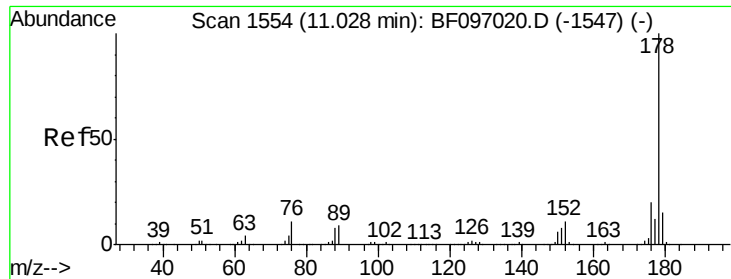
Tot Ion:	165	Resp:	15367
Ion Ratio	Lower	Upper	
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.96 min Scan# 1543
 Delta R.T. -0.04 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

Tgt Ion:	188	Resp:	180709
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	12.0	10.2	15.2

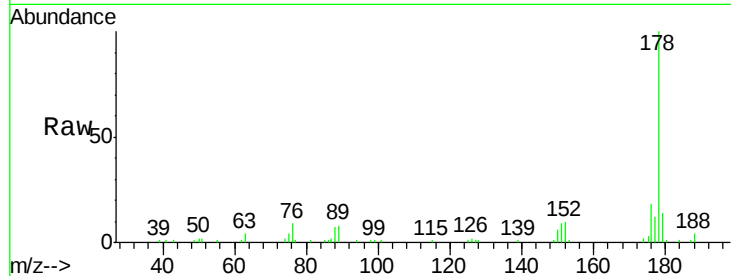




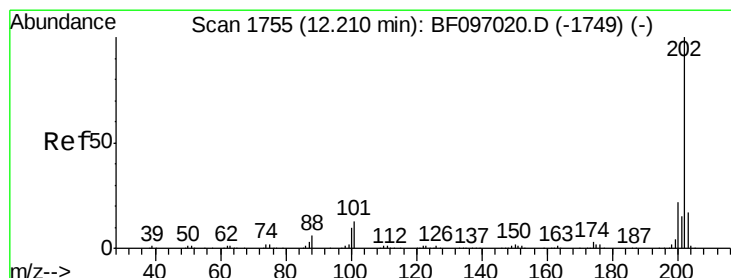
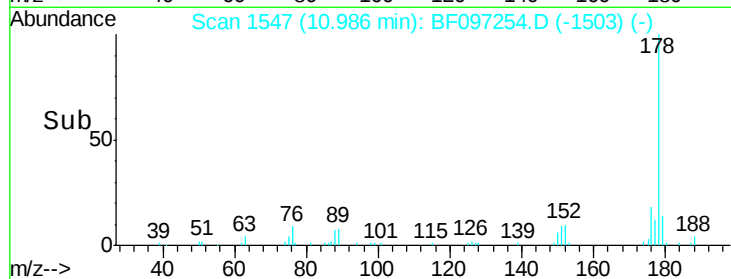
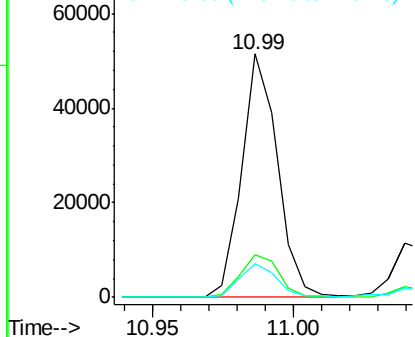
#70
 Phenanthrene
 Concen: 4.68 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.04 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

Tot Ion:178 Resp: 45314
 Ion Ratio Lower Upper
 178 100
 176 17.7 16.2 24.4
 179 14.0 12.6 19.0

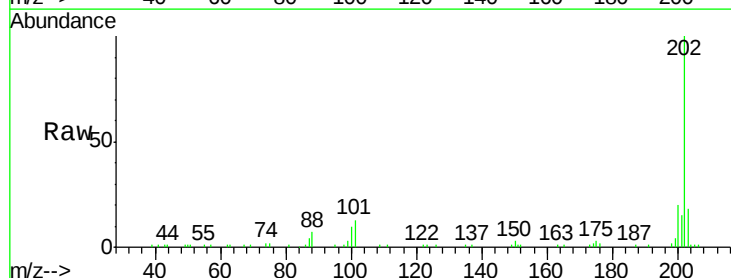


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

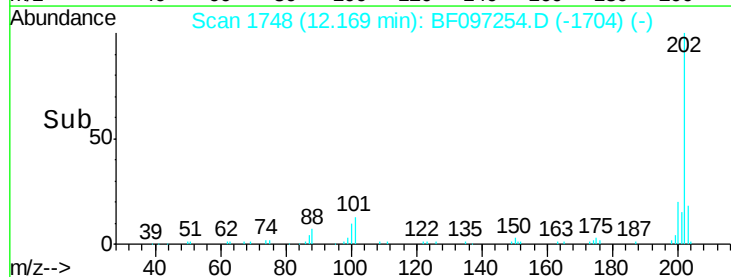
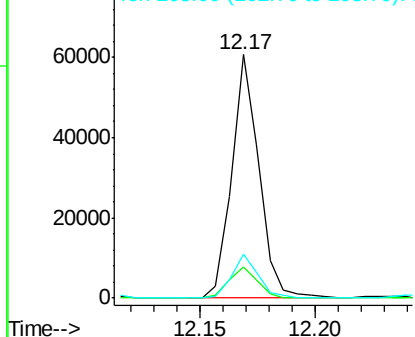


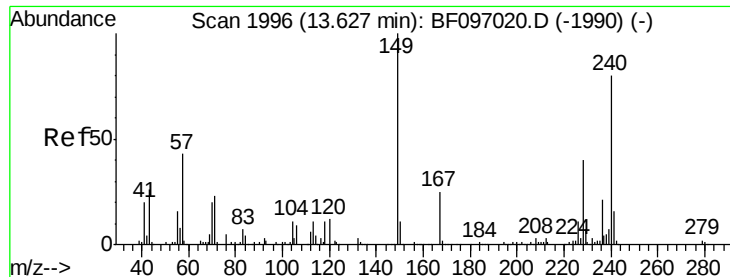
#74
 Fluoranthene
 Concen: 5.24 ng
 RT: 12.17 min Scan# 1748
 Delta R.T. -0.04 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

Tgt Ion:202 Resp: 49724
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.2
 203 17.9 0.0 38.1



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: 13.59 min Scan# 1989

Delta R.T. -0.04 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

Instrument :

BNA_F

ClientSampled :

E2-L6-NSW

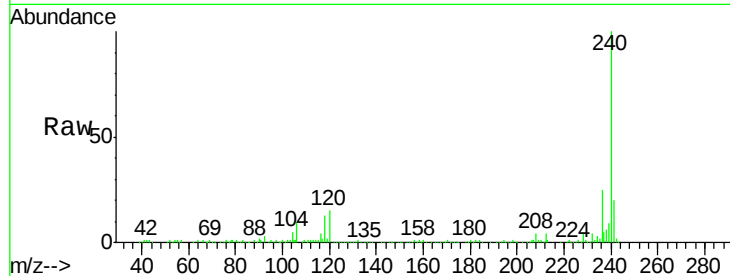
Tot Ion:240 Resp: 196946

Ion Ratio Lower Upper

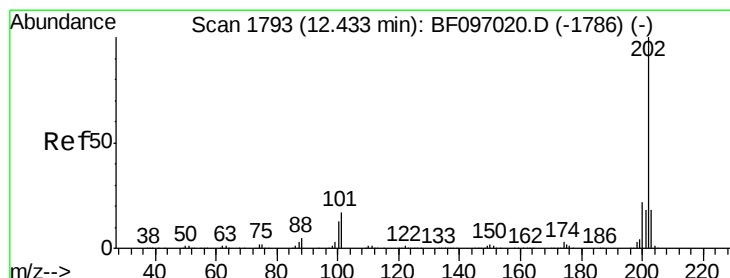
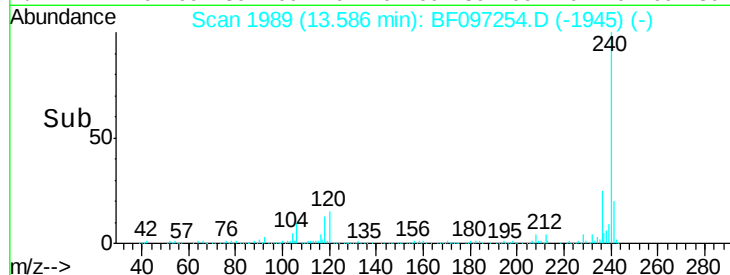
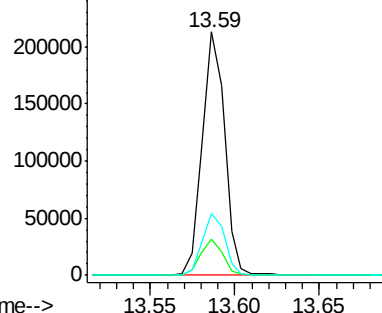
240 100

120 15.1 5.8 8.8#

236 25.4 20.5 30.7



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



#77

Pyrene

Concen: 3.37 ng

RT: 12.39 min Scan# 1786

Delta R.T. -0.04 min

Lab File: BF097254.D

Acq: 2 Aug 2017 5:09

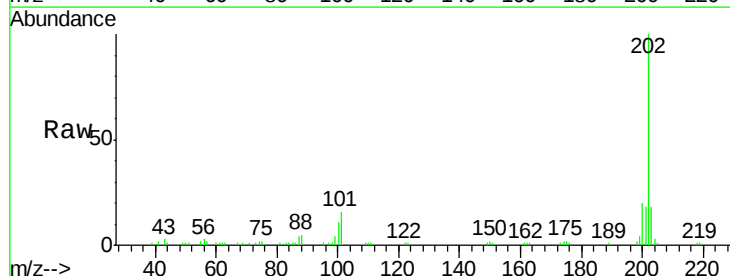
Tgt Ion:202 Resp: 54297

Ion Ratio Lower Upper

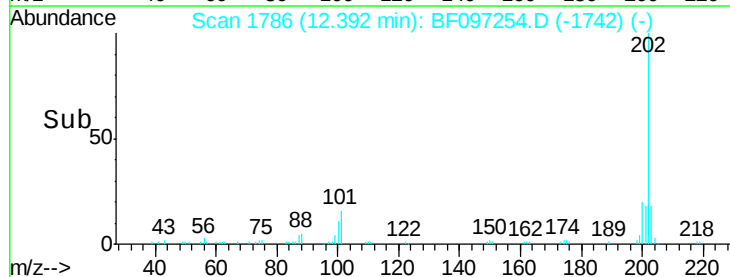
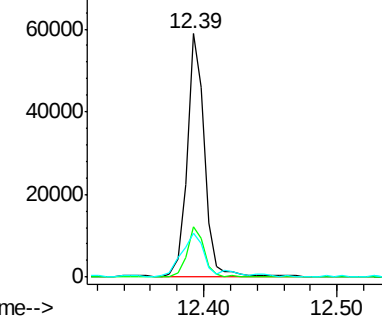
202 100

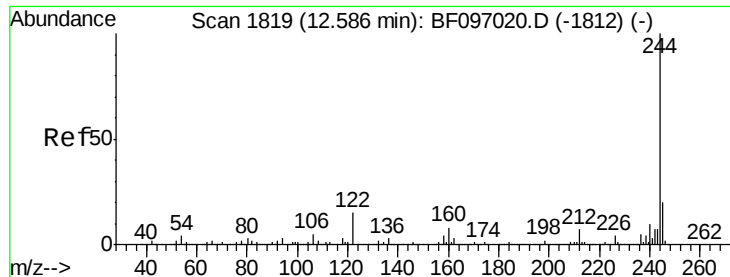
200 20.5 17.6 26.4

203 18.0 14.4 21.6



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

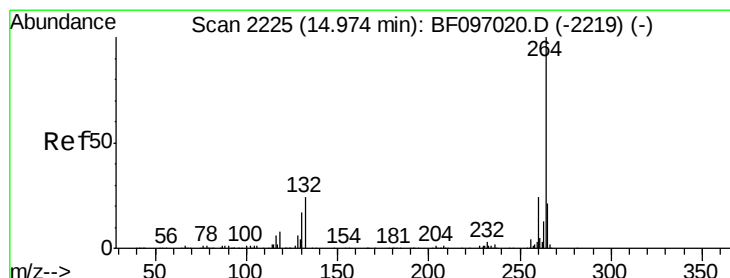
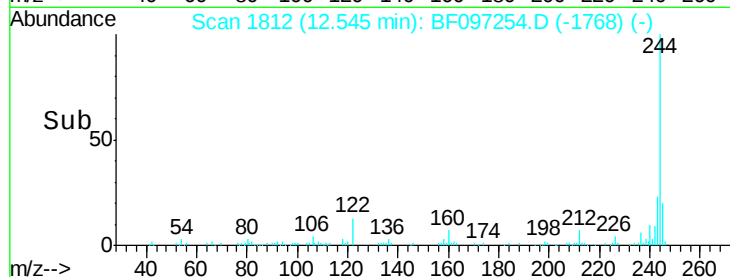
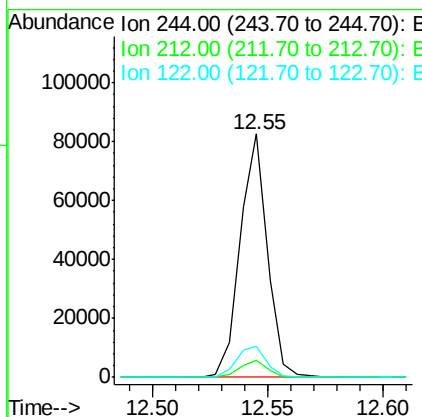
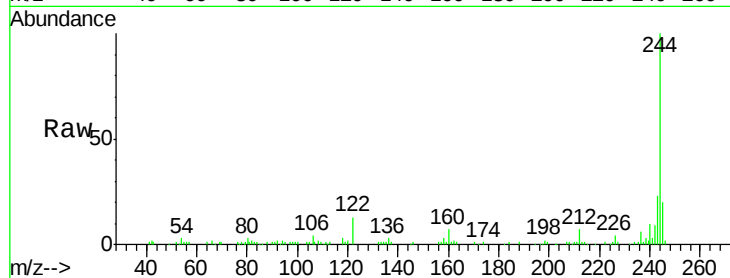




#78
 Terphenyl-d14
 Concen: 7.03 ng
 RT: 12.55 min Scan# 1812
 Delta R.T. -0.04 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

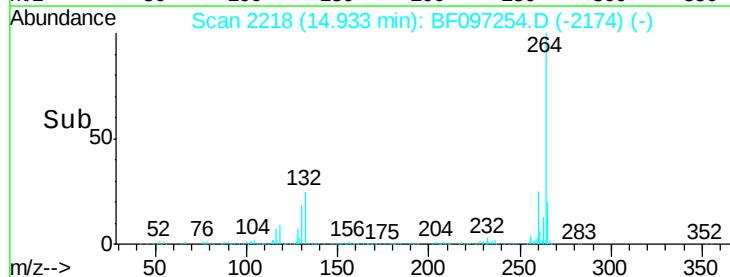
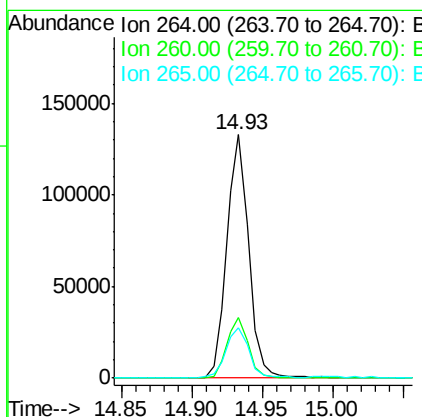
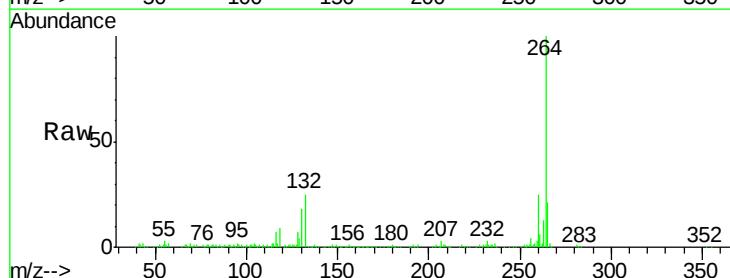
Instrument :
 BNA_F
 ClientSampled :
 E2-L6-NSW

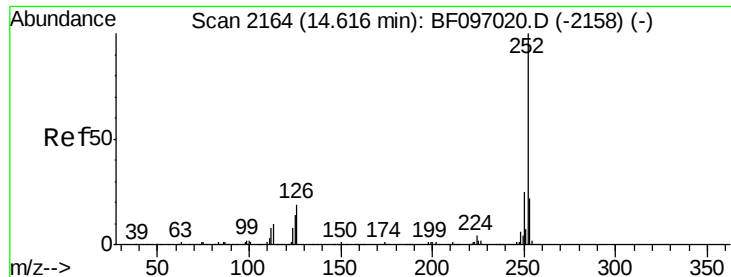
Tot Ion:244 Resp: 67875
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 12.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.93 min Scan# 2218
 Delta R.T. -0.04 min
 Lab File: BF097254.D
 Acq: 2 Aug 2017 5:09

Tgt Ion:264 Resp: 143138
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.5 29.3
 265 20.6 17.2 25.8

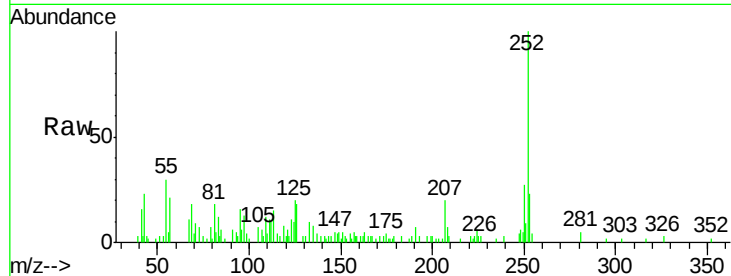




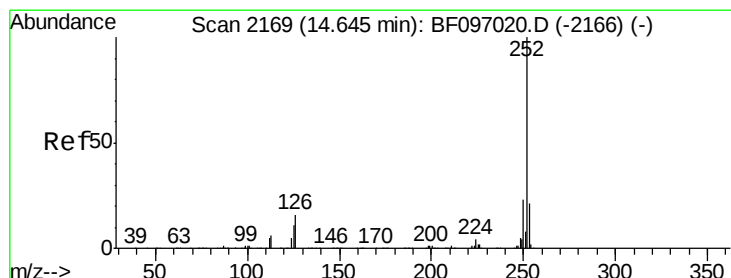
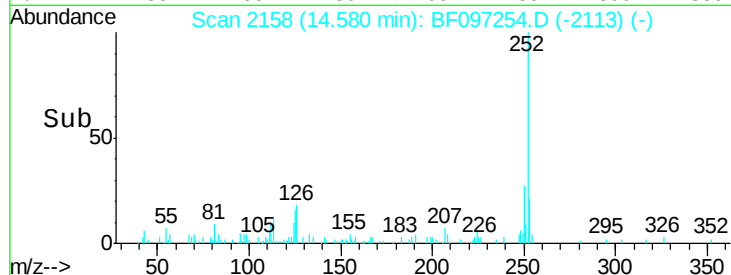
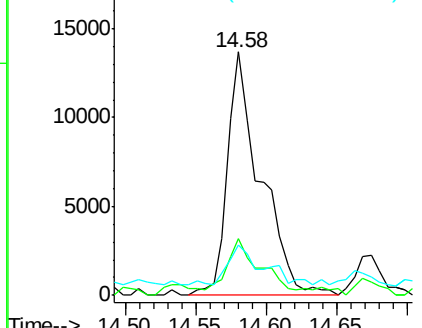
#87
Benzo(b)fluoranthene
Concen: 2.61 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF097254.D
Acq: 2 Aug 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW

Tot Ion:252 Resp: 22486
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 20.4 9.8 14.8#

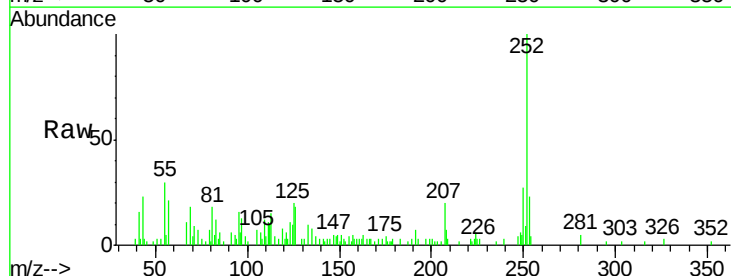


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.74 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.06 min
Lab File: BF097254.D
Acq: 2 Aug 2017 5:09

Tgt Ion:252 Resp: 22486
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 20.4 13.1 19.7#



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

