

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104111.D
 Acq On : 30 Mar 2018 23:32
 Operator : JU/SJ
 Sample : J2112-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 00:12:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

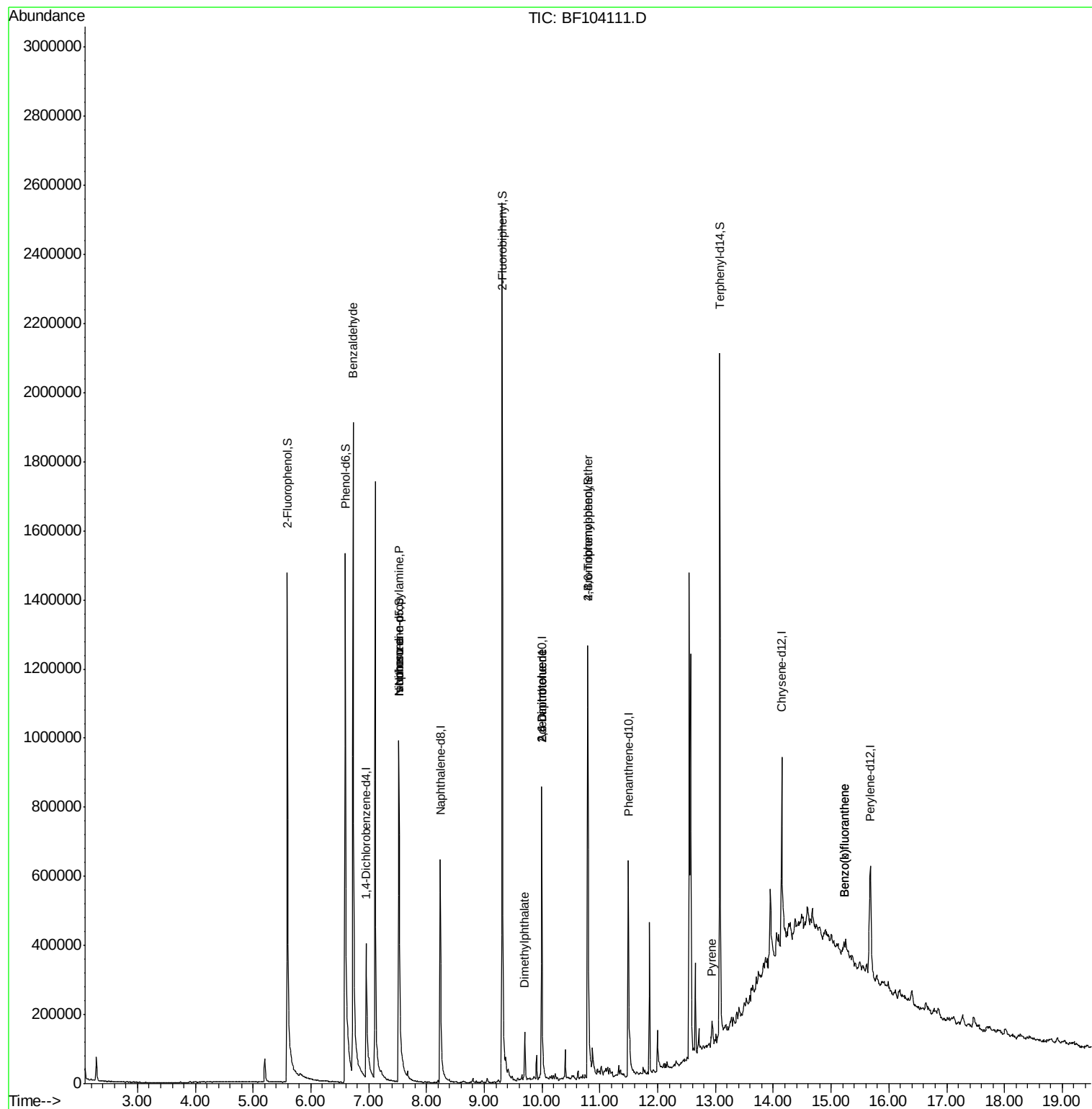
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	111368	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	464324	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	207966	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	333736	20.00	ng	0.00
75) Chrysene-d12	14.14	240	238077	20.00	ng	0.00
86) Perylene-d12	15.68	264	200317	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	701930	100.51	ng	0.01
7) Phenol-d6	6.59	99	944236	109.90	ng	0.00
23) Nitrobenzene-d5	7.52	82	552745	72.80	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	222060	95.89	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	981841	74.45	ng	0.00
78) Terphenyl-d14	13.07	244	756431	73.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.73	77	15575	2.249	ng	83
19) n-Nitroso-di-n-propylamine	7.52	70	68701	13.474	ng	# 73
25) Isophorone	7.52	82	552745	39.504	ng	# 64
49) Dimethylphthalate	9.70	163	67903	4.135	ng	98
50) 2,6-Dinitrotoluene	9.99	165	27078	7.665	ng	# 27
56) 2,4-Dinitrotoluene	9.99	165	27635	6.131	ng	# 24
66) 4-Bromophenyl-phenylether	10.79	248	12990	3.638	ng	# 1
77) Pyrene	12.94	202	36234	2.117	ng	97
87) Benzo(b)fluoranthene	15.22	252	25520	2.093	ng	# 31
88) Benzo(k)fluoranthene	15.22	252	25520	2.222	ng	# 34

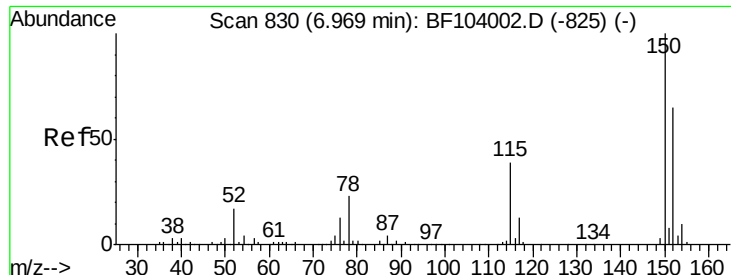
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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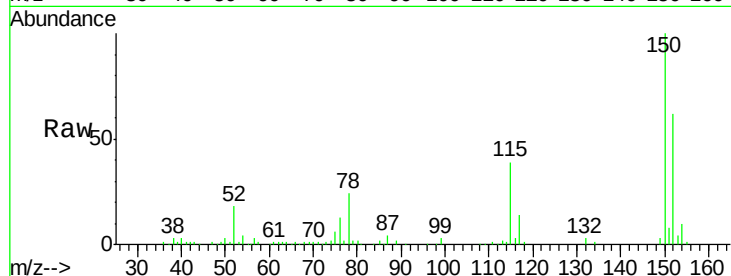


#1

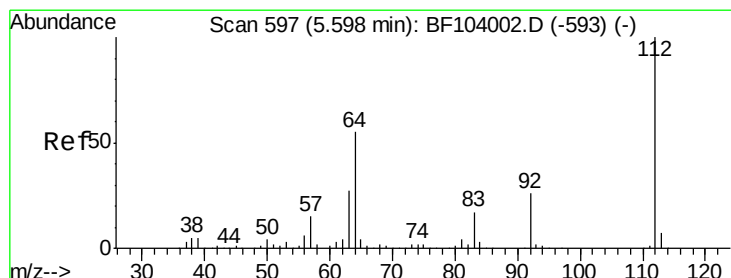
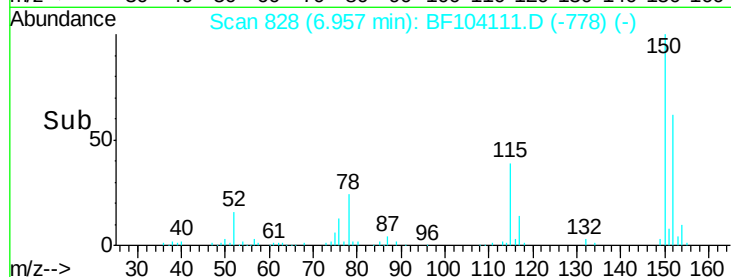
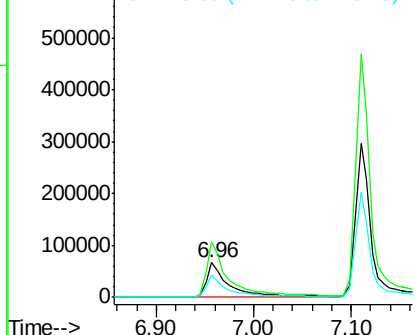
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111368
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 63.5 50.1 75.1



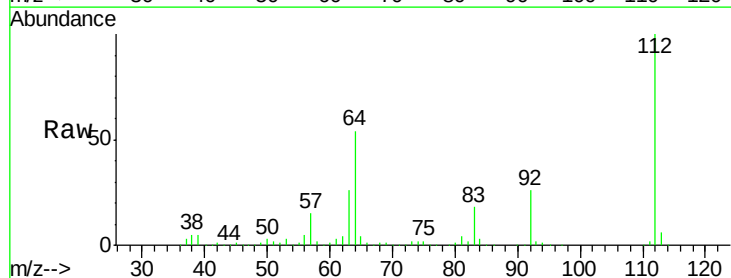
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



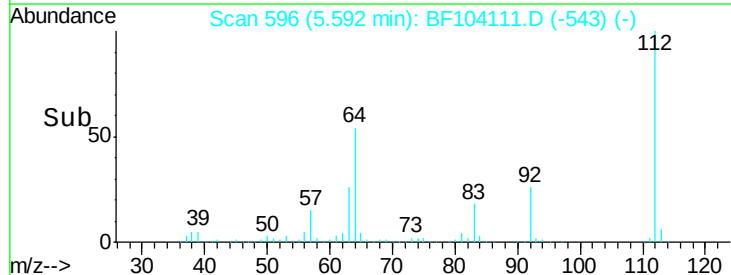
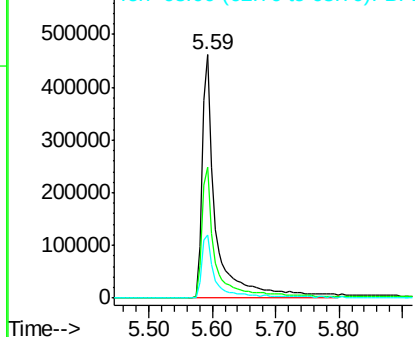
#5

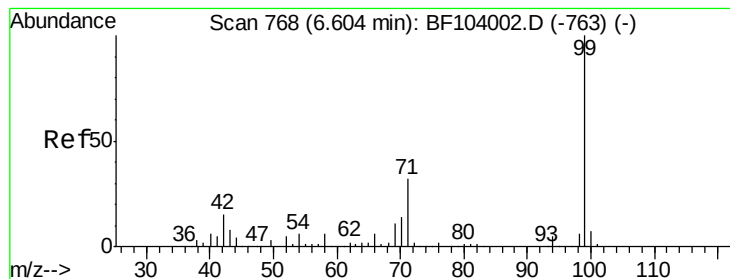
2-Fluorophenol
Concen: 100.514 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Tgt Ion:112 Resp: 701930
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 26.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.901 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

Instrument :

BNA_F

ClientSampleId :

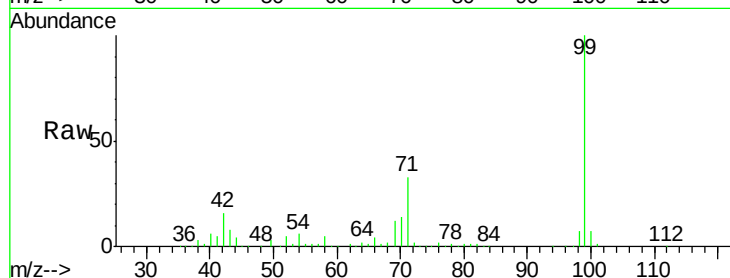
Tot Ion: 99 Resp: 944236

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

800000

600000

400000

200000

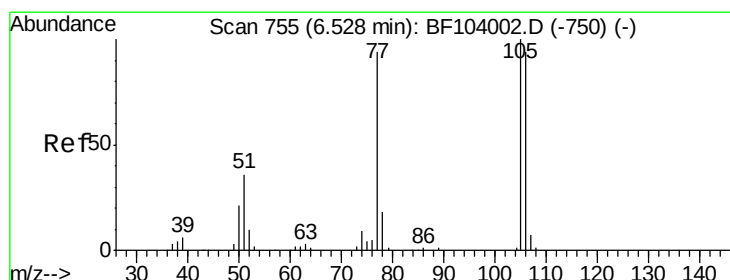
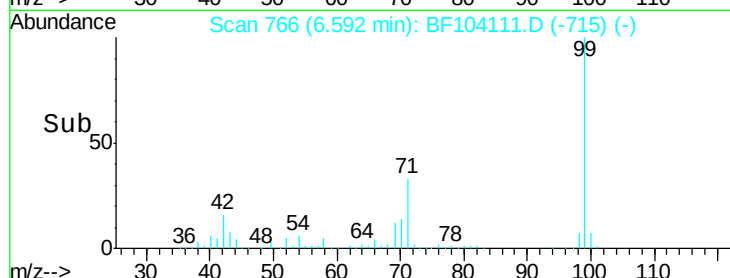
0

6.59

6.60

6.80

Time-->



#9

Benzaldehyde

Concen: 2.249 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.21 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

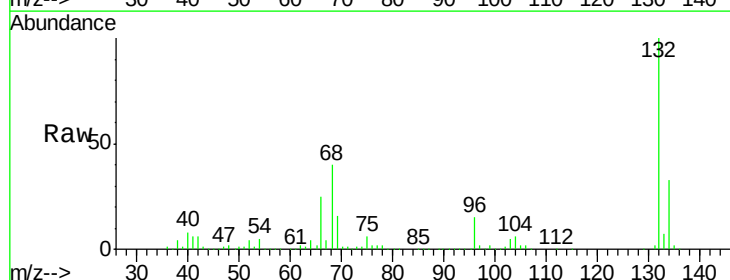
Tgt Ion: 77 Resp: 15575

Ion Ratio Lower Upper

77 100

105 85.1 81.1 121.1

106 76.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

15000

10000

5000

0

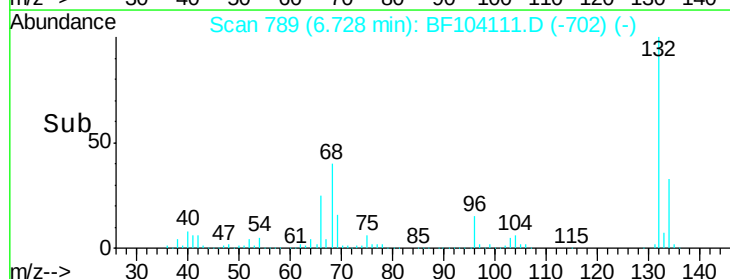
6.73

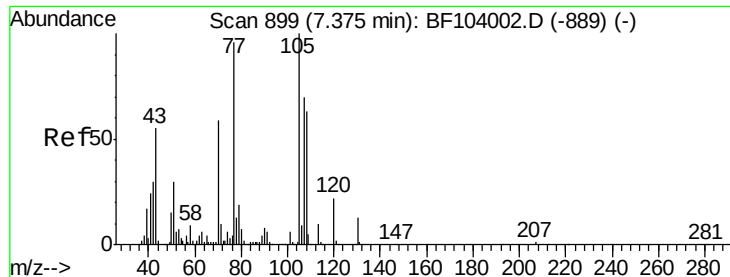
6.70

6.75

6.80

Time-->

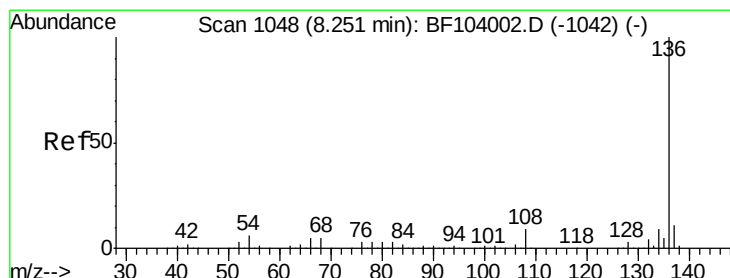
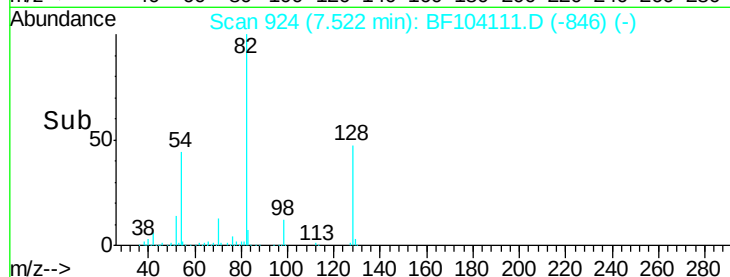
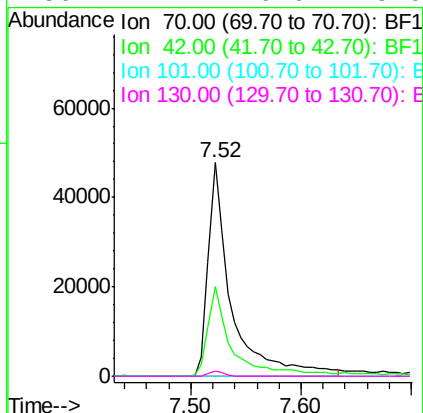
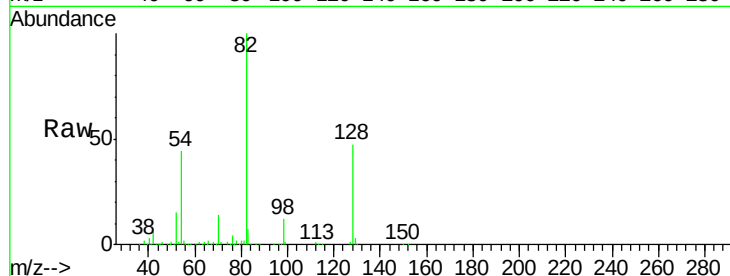




#19
n-Nitroso-di-n-propylamine
Concen: 13.474 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.16 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

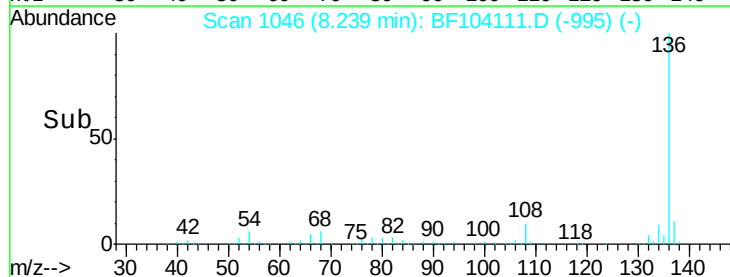
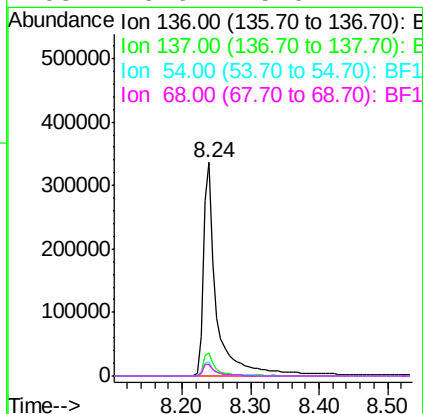
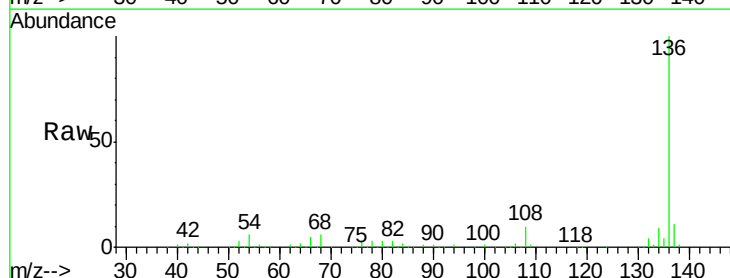
Instrument :
BNA_F
ClientSampleId :

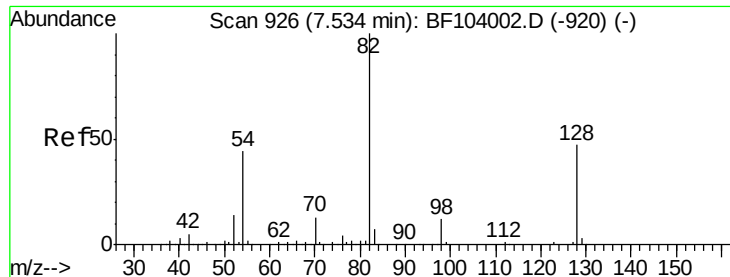
Tot Ion: 70 Resp: 68701
Ion Ratio Lower Upper
70 100
42 42.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Tgt Ion: 136 Resp: 464324
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.5 6.6 9.8#
68 5.6 5.0 7.4

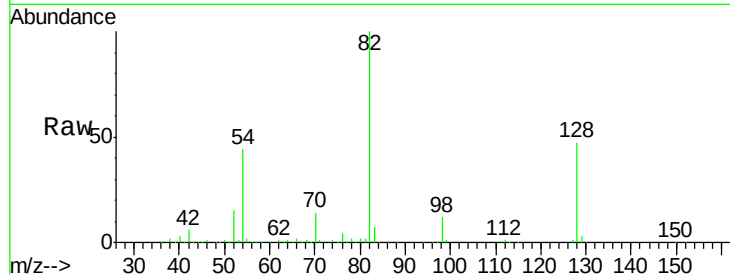




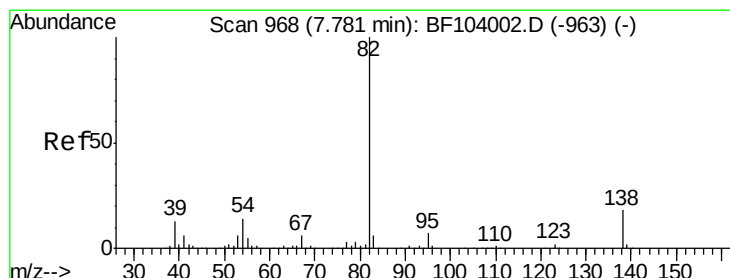
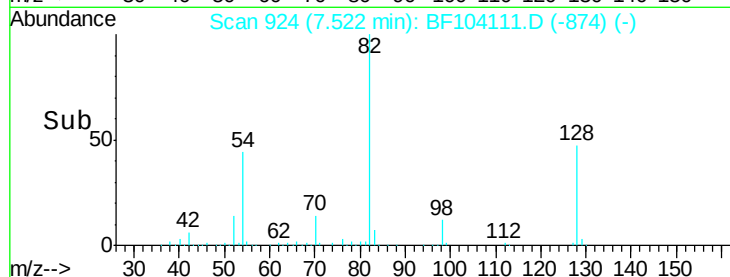
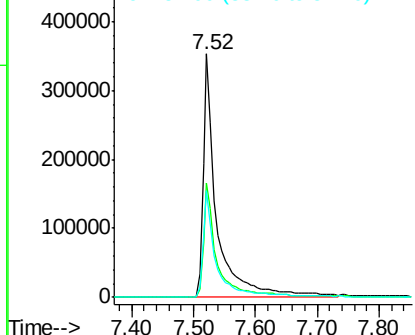
#23
Nitrobenzene-d5
Concen: 72.801 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 552745
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 43.9 41.4 62.2

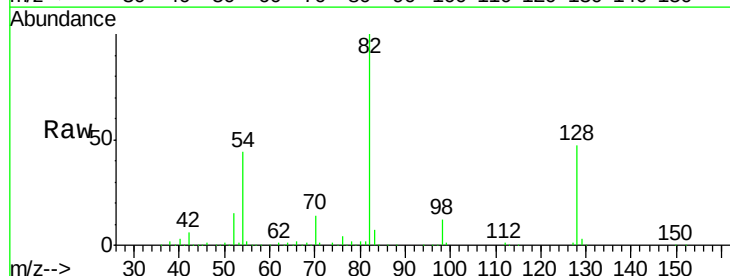


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

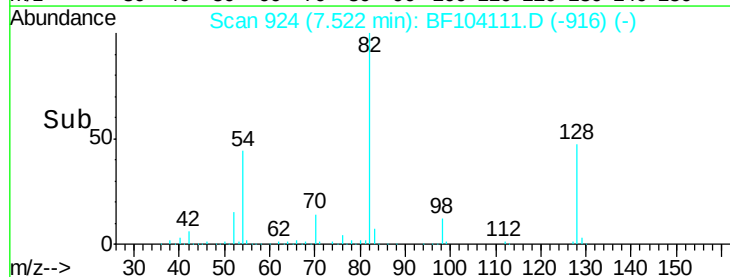
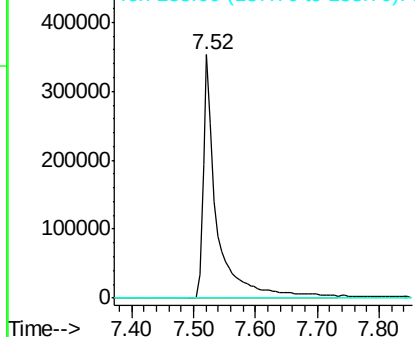


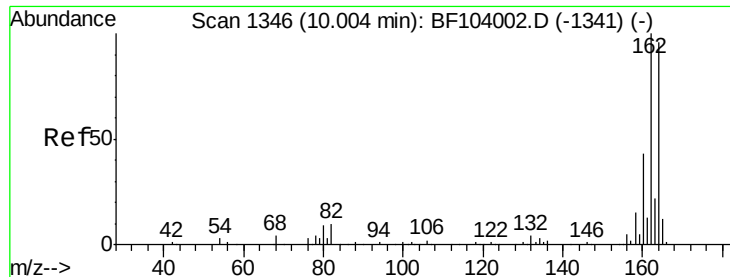
#25
Isophorone
Concen: 39.504 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Tgt Ion: 82 Resp: 552745
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

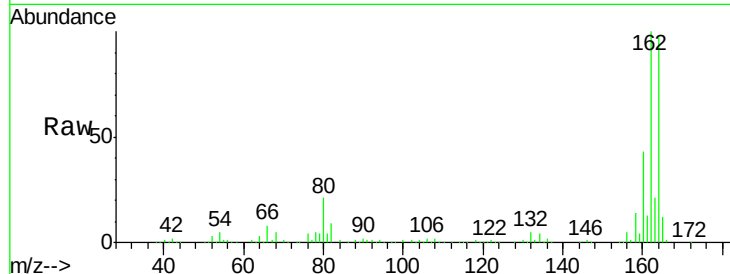




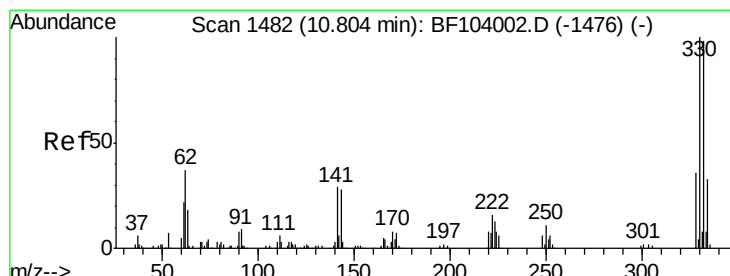
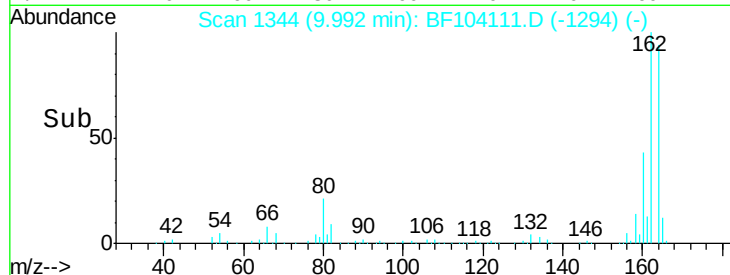
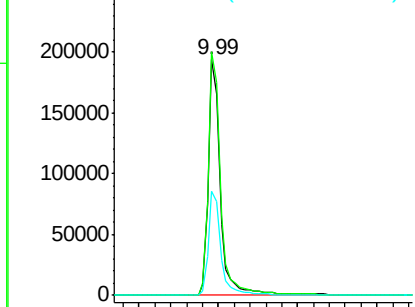
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF104111.D
 Acq: 30 Mar 2018 23:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 207966
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 44.2 38.3 57.5

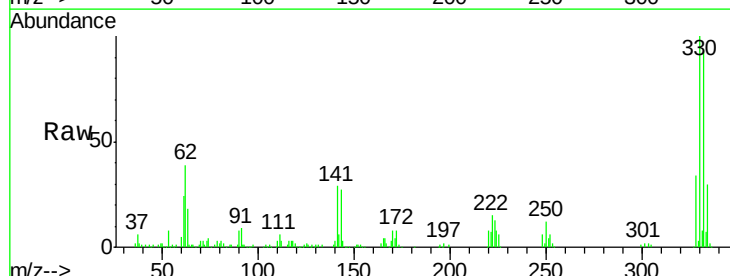


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

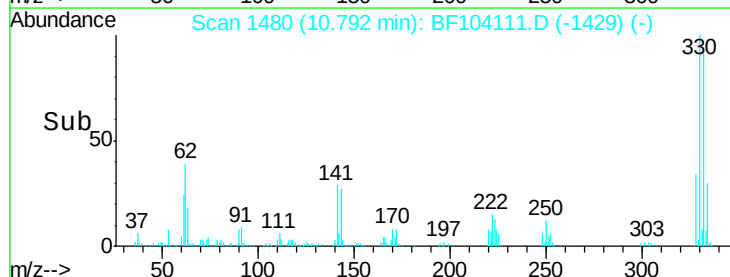
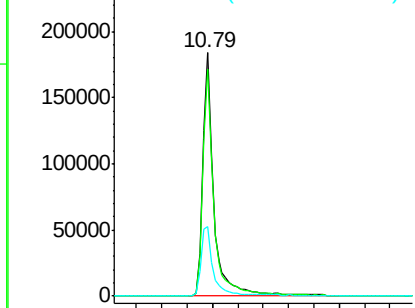


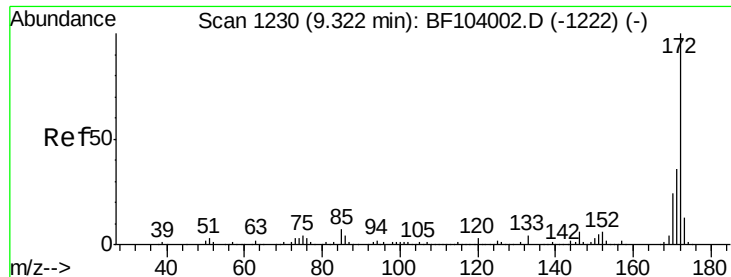
#41
 2,4,6-Tribromophenol
 Concen: 95.893 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: BF104111.D
 Acq: 30 Mar 2018 23:32

Tgt Ion:330 Resp: 222060
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.0 115.6
 141 32.4 29.9 44.9



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

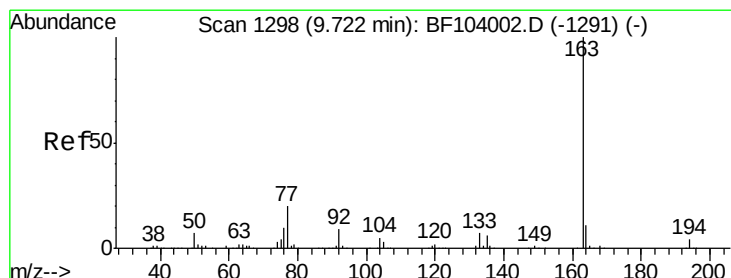
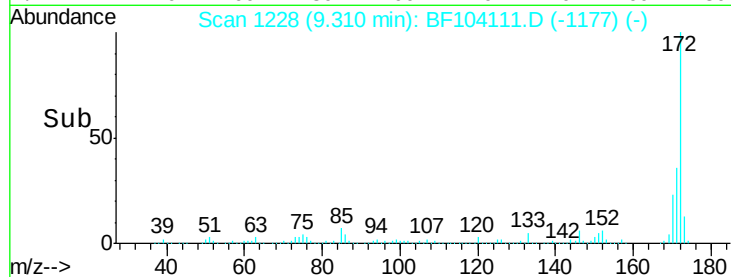
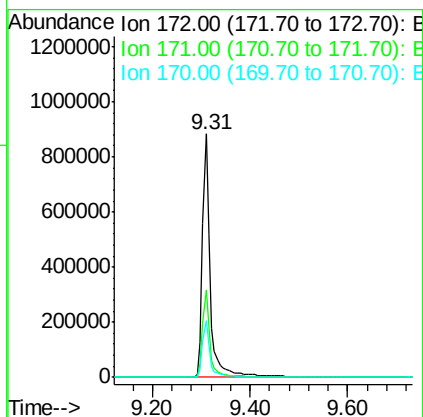
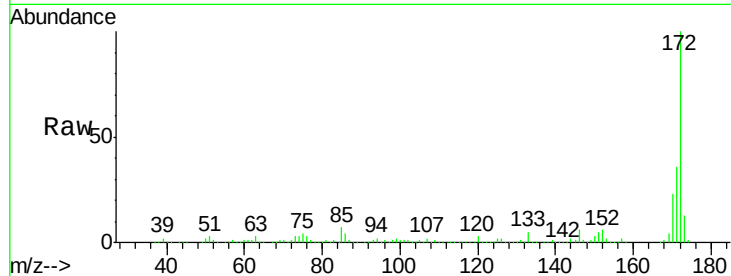




#44
2-Fluorobiphenyl
Concen: 74.449 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

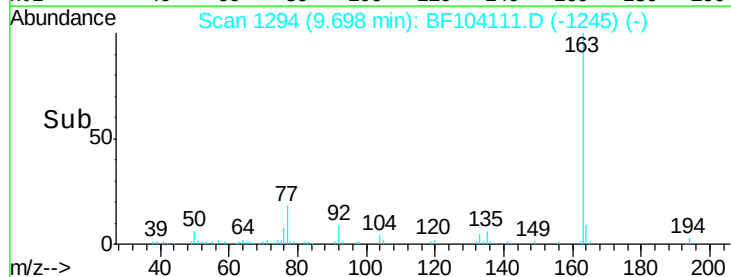
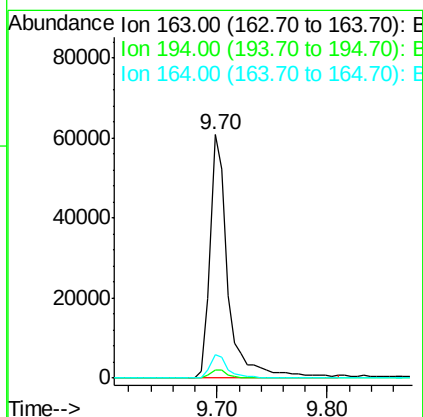
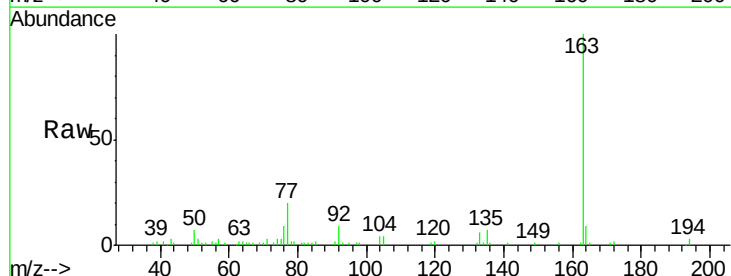
Instrument :
BNA_F
ClientSampleId :

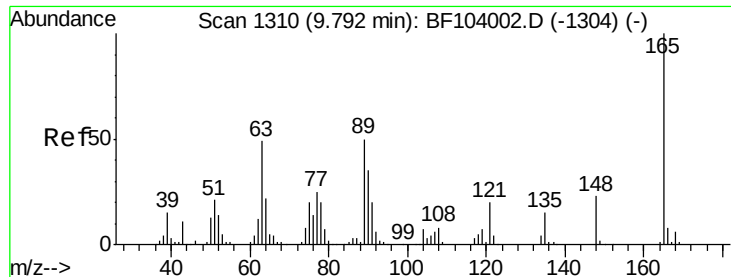
Tot Ion:172 Resp: 981841
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.2 19.6 29.4



#49
Dimethylphthalate
Concen: 4.135 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Tgt Ion:163 Resp: 67903
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.4 8.2 12.2

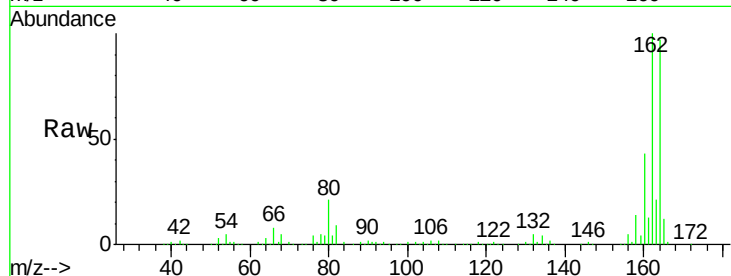




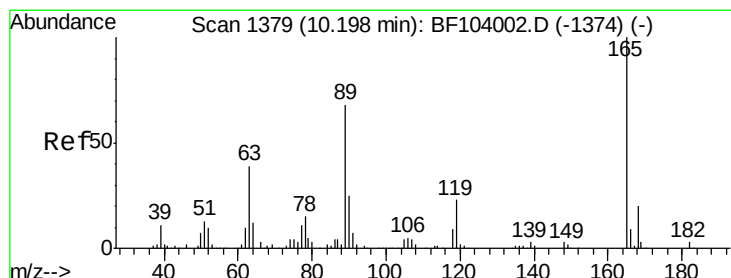
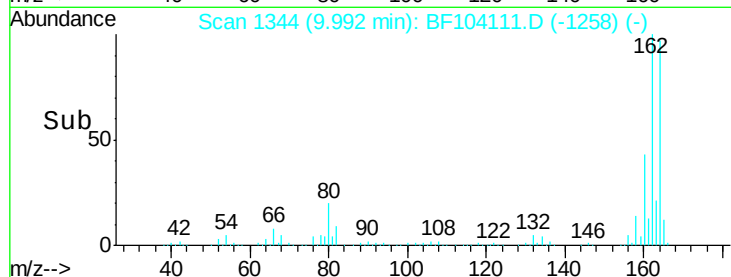
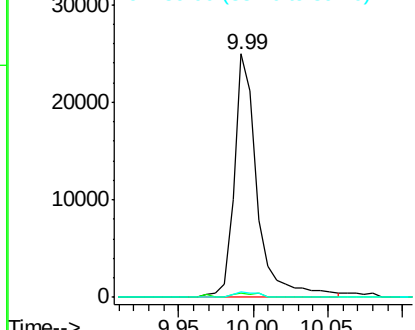
#50
2,6-Dinitrotoluene
Concen: 7.665 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.21 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 27078
Ion Ratio Lower Upper
165 100
63 2.0 44.7 67.1#
89 2.3 44.0 66.0#

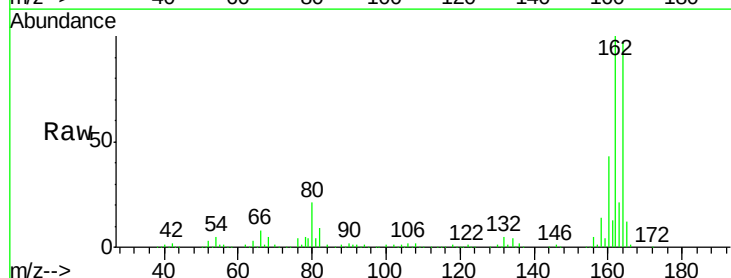


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

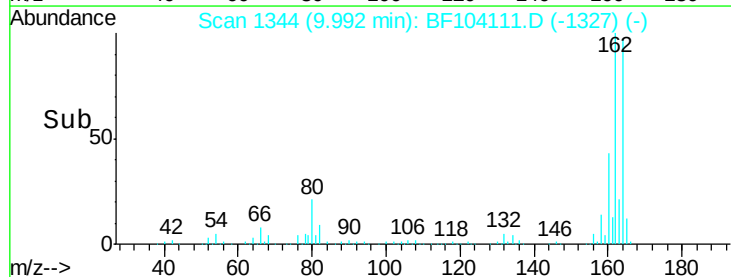
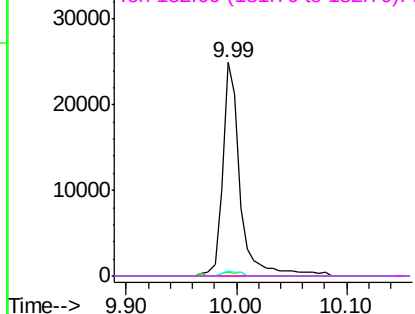


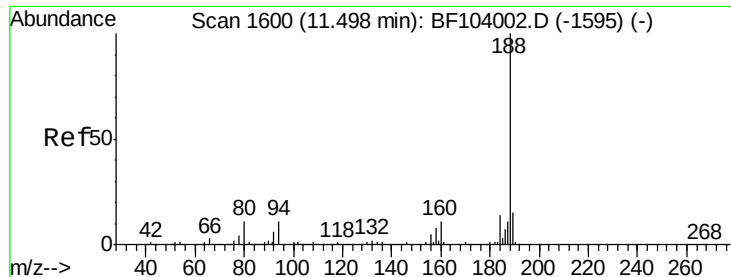
#56
2,4-Dinitrotoluene
Concen: 6.131 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF104111.D
Acq: 30 Mar 2018 23:32

Tgt Ion:165 Resp: 27635
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 2.3 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

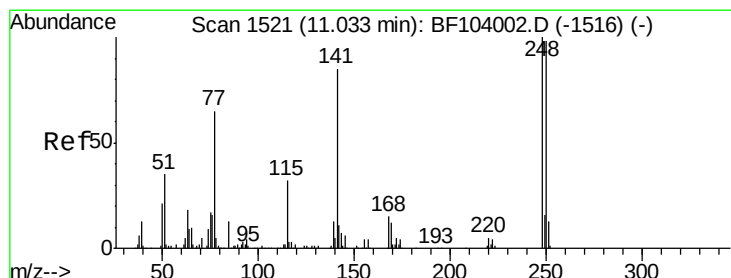
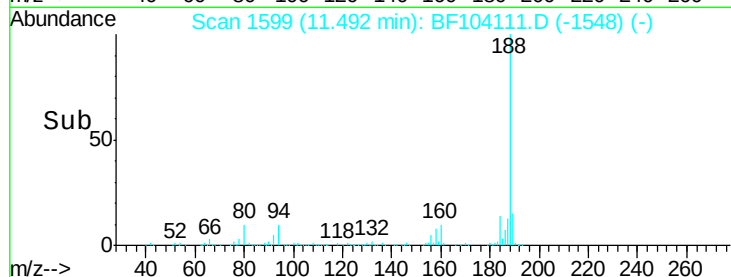
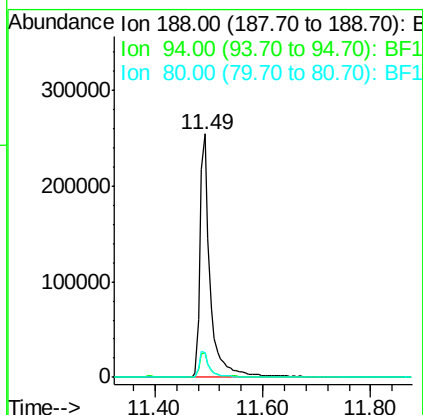
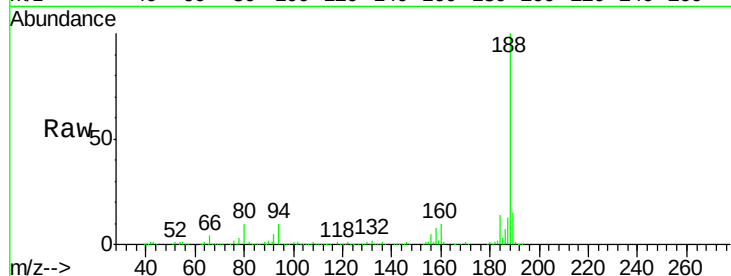




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: BF104111.D
 Acq: 30 Mar 2018 23:32

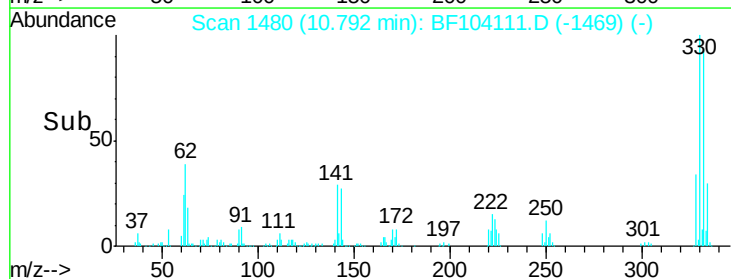
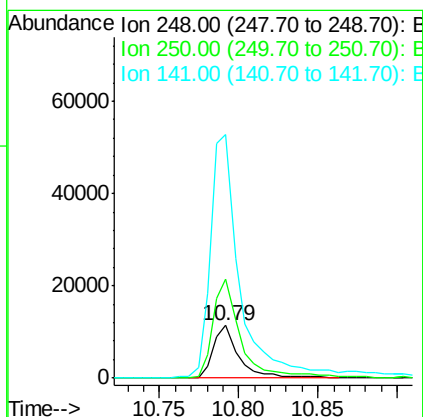
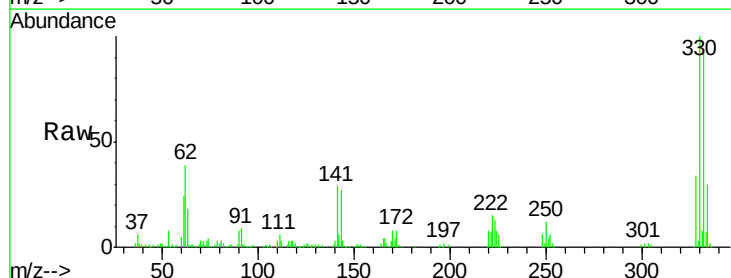
Instrument :
 BNA_F
 ClientSampleId :

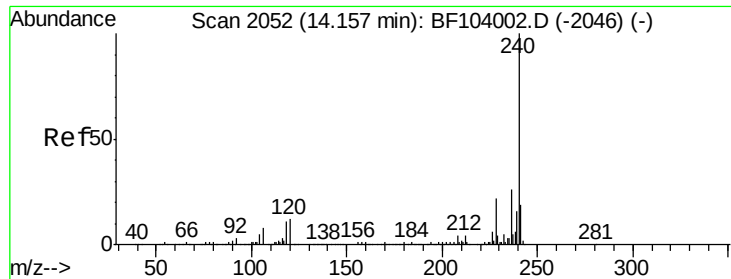
Tot Ion:188 Resp: 333736
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 9.9 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.638 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104111.D
 Acq: 30 Mar 2018 23:32

Tgt Ion:248 Resp: 12990
 Ion Ratio Lower Upper
 248 100
 250 187.2 76.9 115.3#
 141 460.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

Instrument :

BNA_F

ClientSampleId :

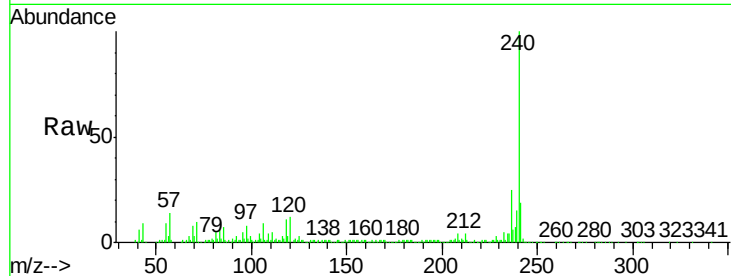
Tot Ion:240 Resp: 238077

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

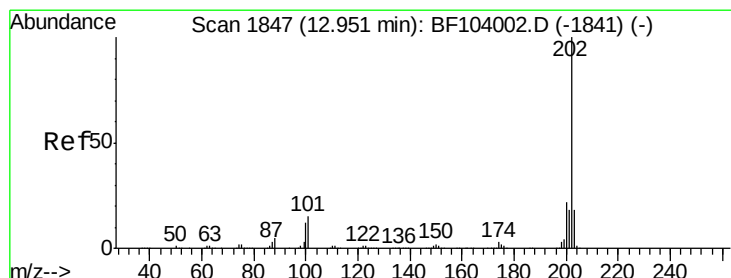
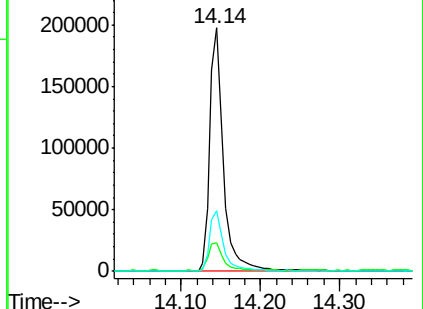
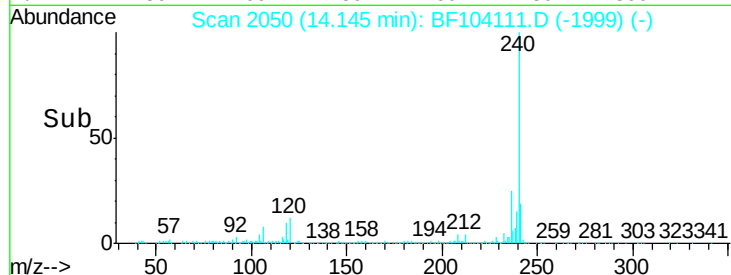
236 24.8 20.7 31.1



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



#77

Pyrene

Concen: 2.117 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

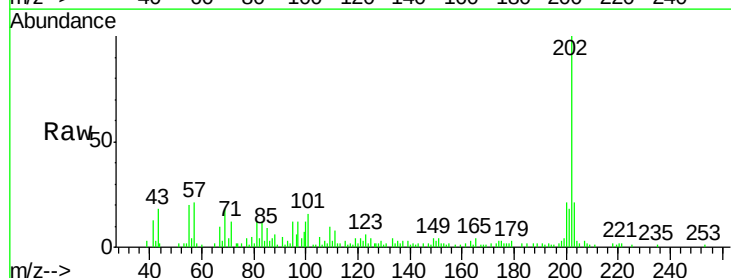
Tgt Ion:202 Resp: 36234

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

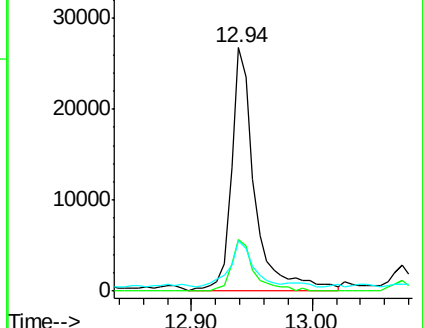
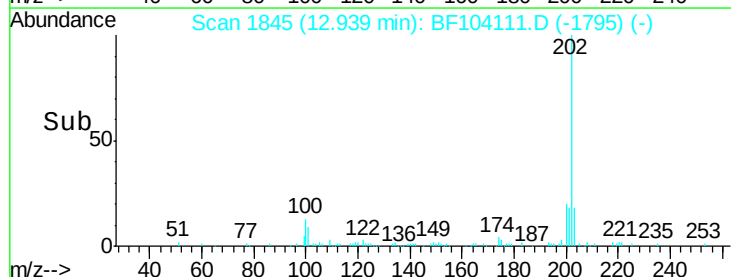
203 20.6 14.3 21.5

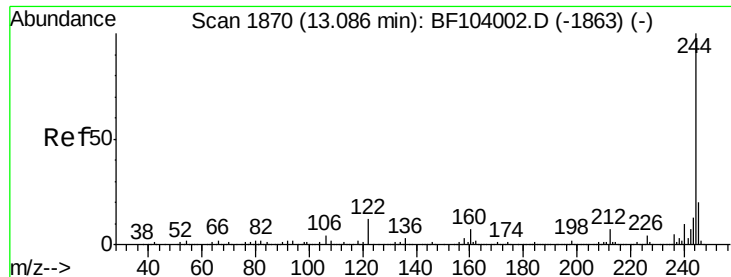


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.361 ng

RT: 13.07 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

Instrument :

BNA_F

ClientSampled :

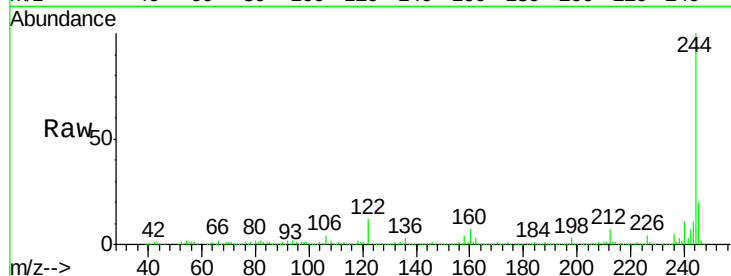
Tot Ion:244 Resp: 756431

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

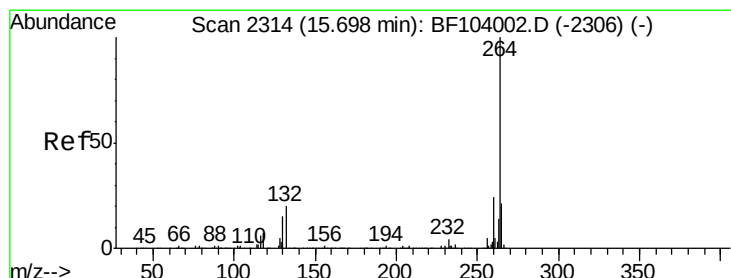
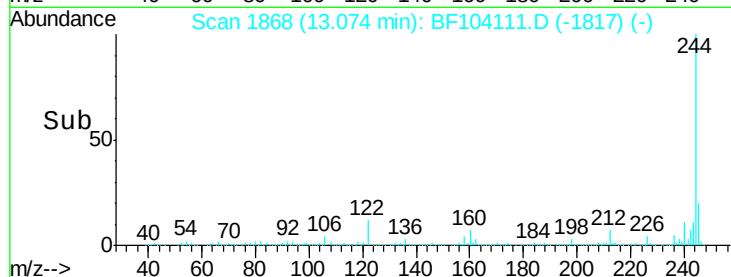
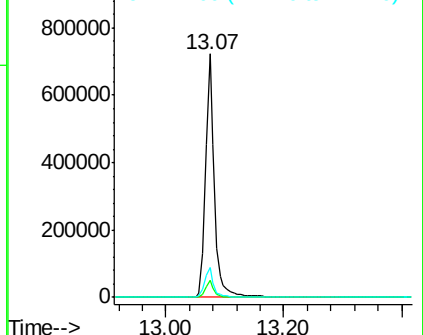
122 12.3 11.0 16.4



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: 15.68 min Scan# 2311

Delta R.T. -0.00 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

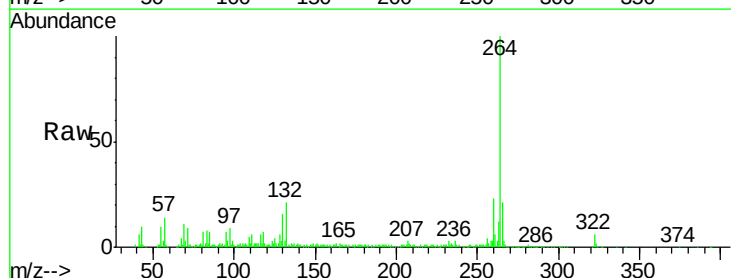
Tgt Ion:264 Resp: 200317

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

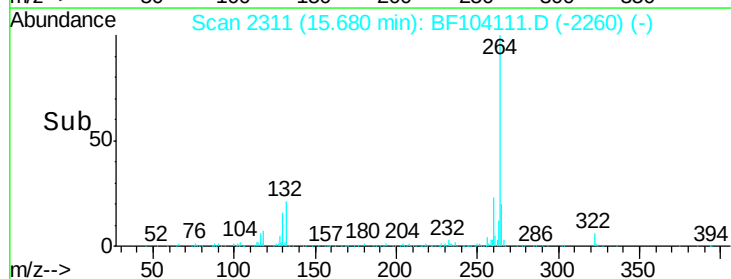
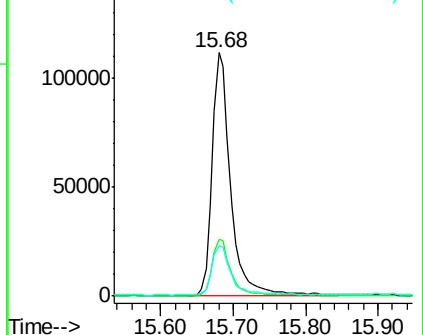
265 20.9 17.5 26.3

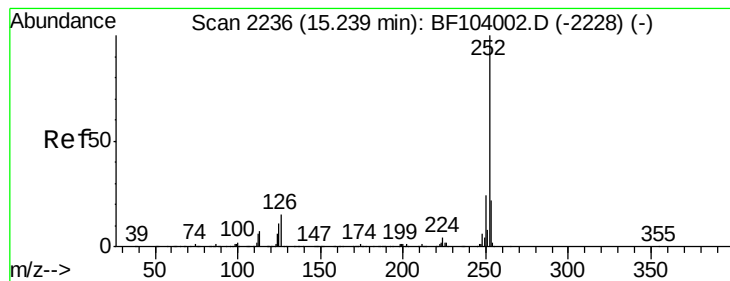


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.093 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

Instrument :

BNA_F

ClientSampleId :

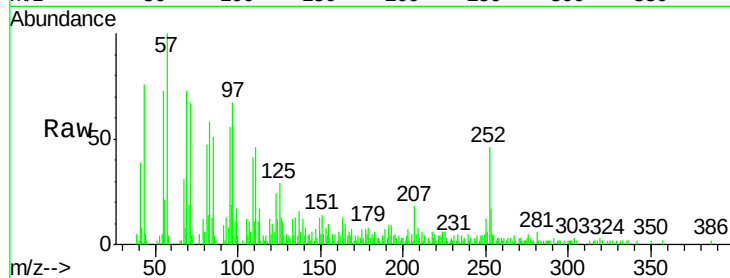
Tot Ion:252 Resp: 25520

Ion Ratio Lower Upper

252 100

253 36.7 17.0 25.6#

125 64.2 9.0 13.6#

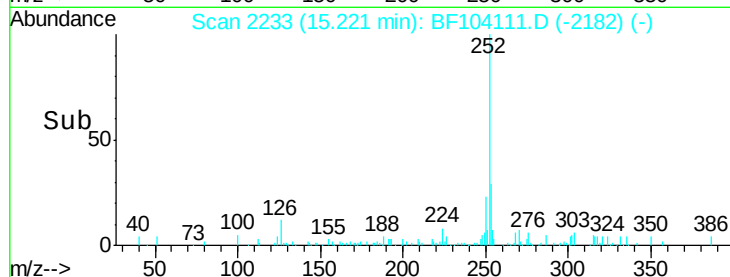


Abundance Ion 252.00 (251.70 to 252.70): E

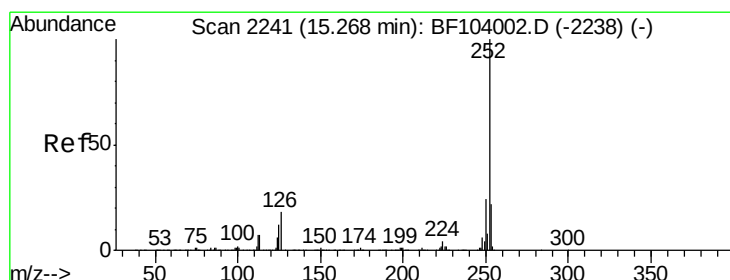
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#88

Benzo(k)fluoranthene

Concen: 2.222 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.04 min

Lab File: BF104111.D

Acq: 30 Mar 2018 23:32

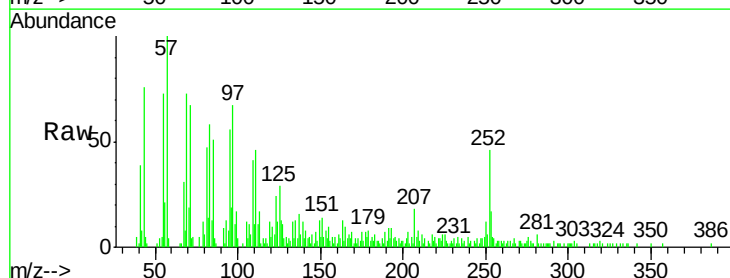
Tgt Ion:252 Resp: 25520

Ion Ratio Lower Upper

252 100

253 36.7 17.9 26.9#

125 64.2 10.2 15.2#

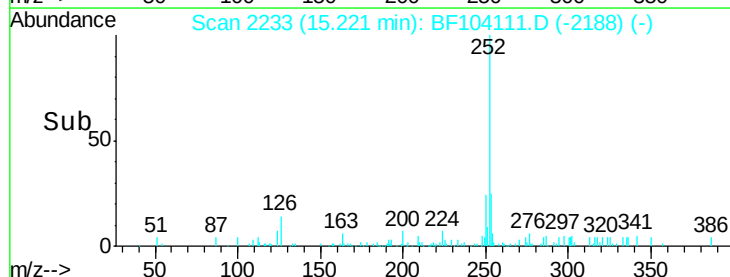


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->