

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103791.D
 Acq On : 20 Mar 2018 8:09
 Operator : JU/SJ
 Sample : J1954-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 10:38:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

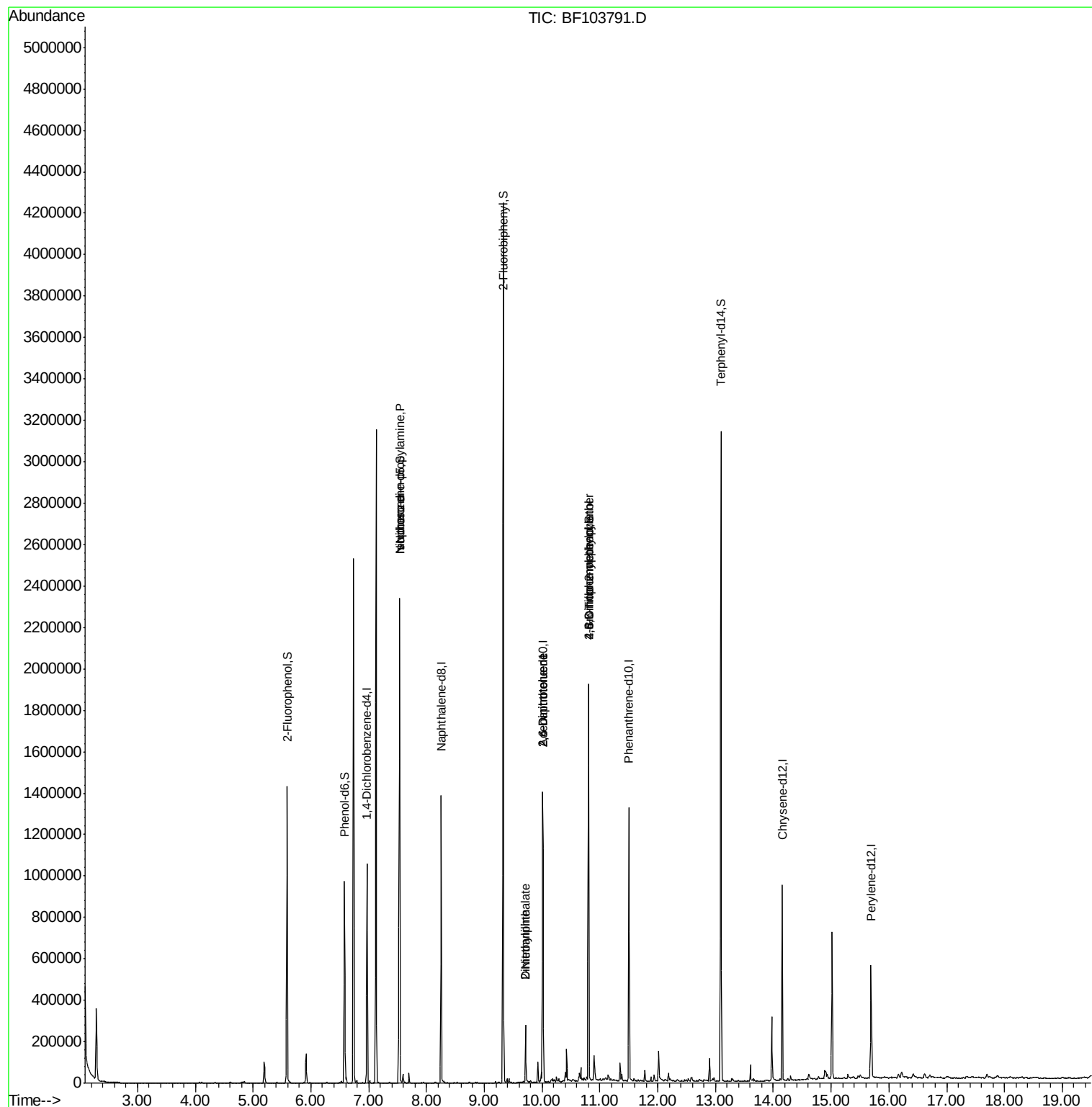
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145301	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	580320	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	266927	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	431514	20.00	ng	0.00
75) Chrysene-d12	14.16	240	306248	20.00	ng	0.00
86) Perylene-d12	15.70	264	255948	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	378269	39.60	ng	0.00
7) Phenol-d6	6.58	99	285497	24.43	ng	0.00
23) Nitrobenzene-d5	7.53	82	880472	105.80	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	231253	100.76	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1449440	86.62	ng	0.00
78) Terphenyl-d14	13.09	244	1197103	90.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	113933	15.211	ng	# 73
25) Isophorone	7.53	82	880464	45.705	ng	# 64
47) 2-Nitroaniline	9.72	65	933	6.987	ng	# 1
49) Dimethylphthalate	9.72	163	96646	4.746	ng	100
50) 2,6-Dinitrotoluene	10.01	165	33170	11.705	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	33170	11.999	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	343	8.354	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	13873	3.131	ng	# 1

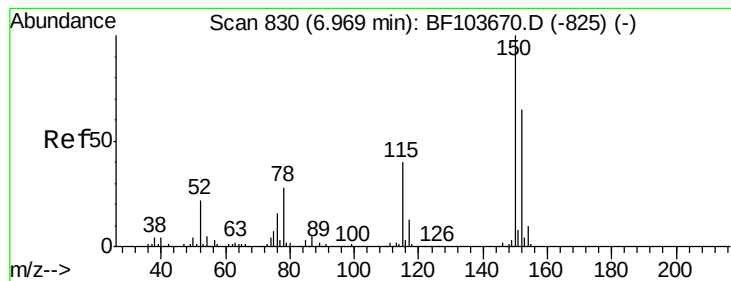
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



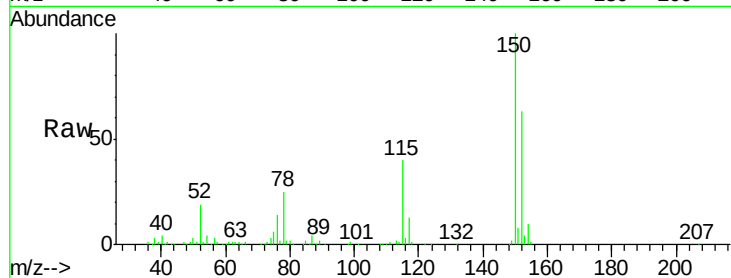


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103791.D
Acq: 20 Mar 2018 8:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	63.2	50.1	75.1

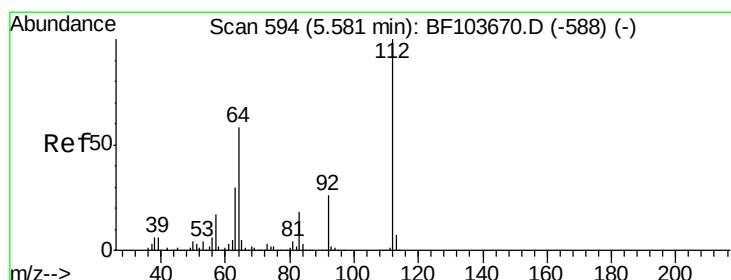
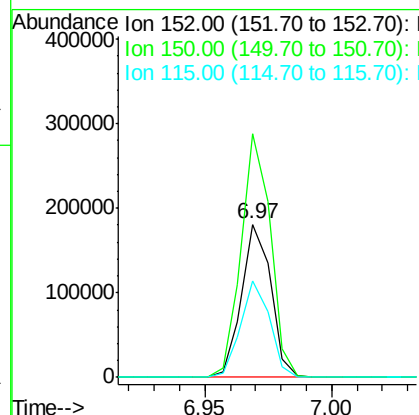
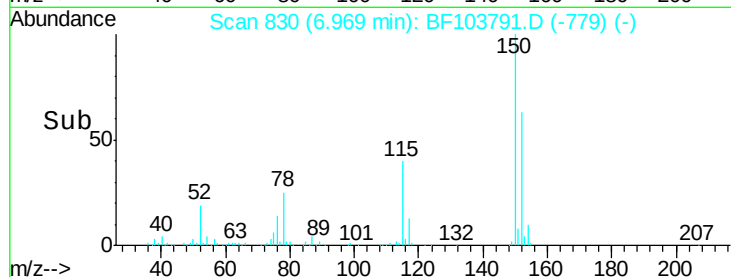


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

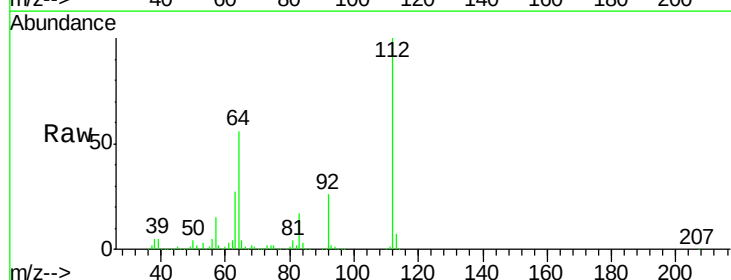
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.597 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103791.D
Acq: 20 Mar 2018 8:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.4	23.7	35.5

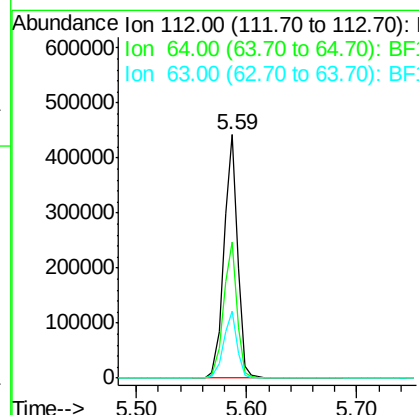
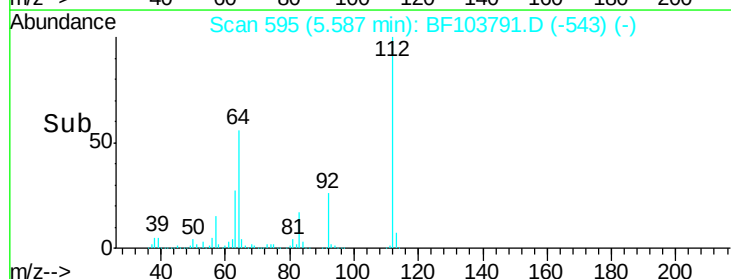


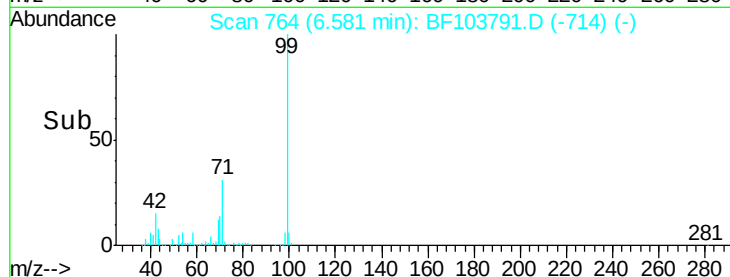
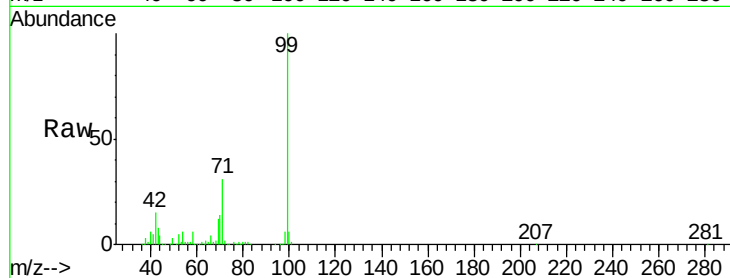
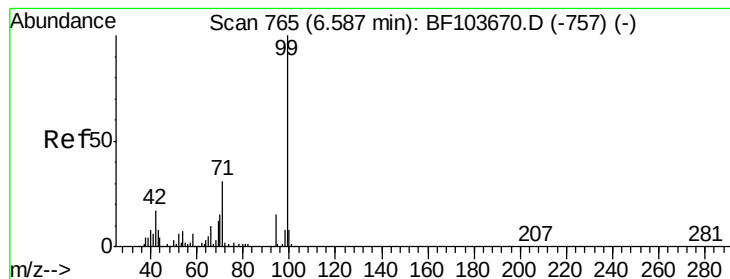
Abundance

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: 24.428 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

Instrument :

BNA_F

ClientSampled :

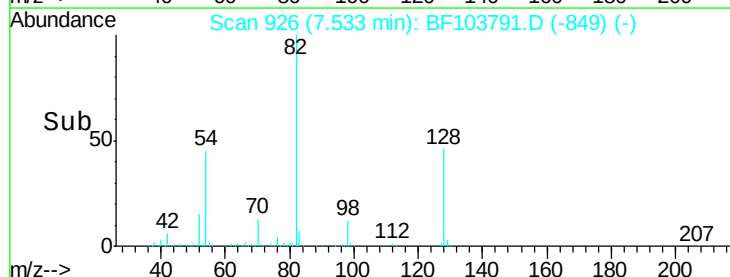
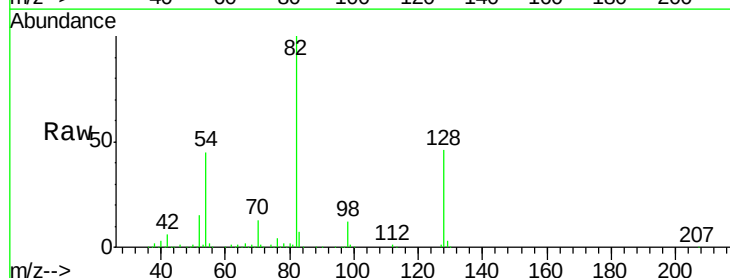
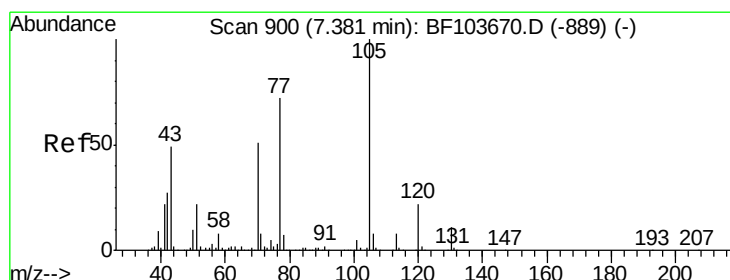
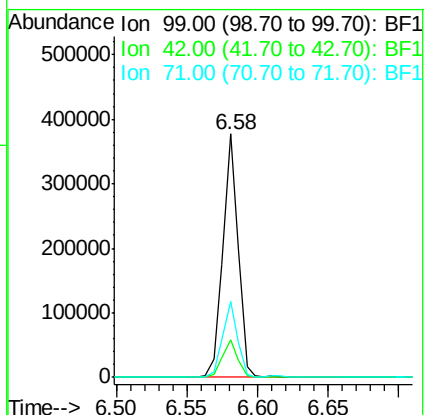
Tot Ion: 99 Resp: 285497

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 31.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.211 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

Tgt Ion: 70 Resp: 113933

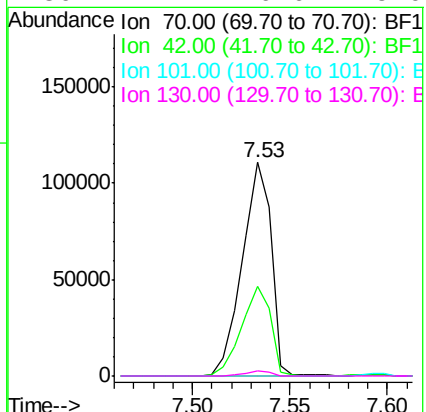
Ion Ratio Lower Upper

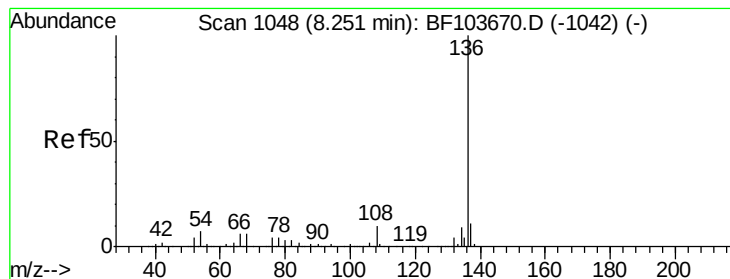
70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 580320

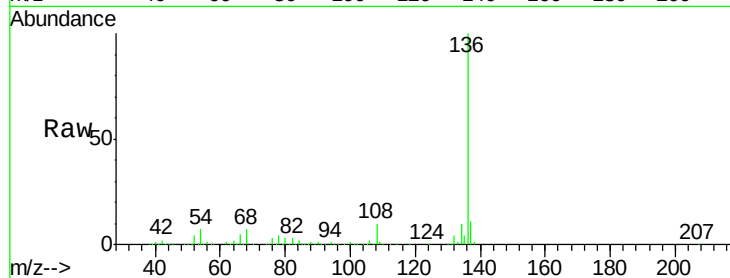
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.4 6.6 9.8

68 6.6 5.0 7.4

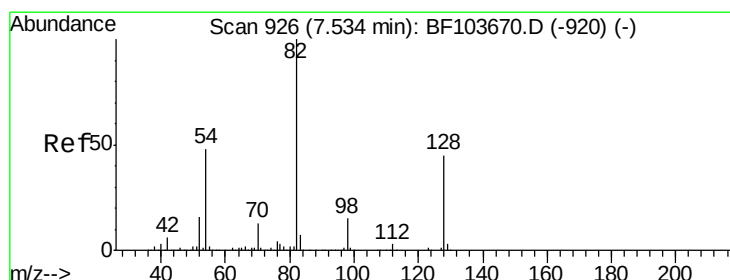
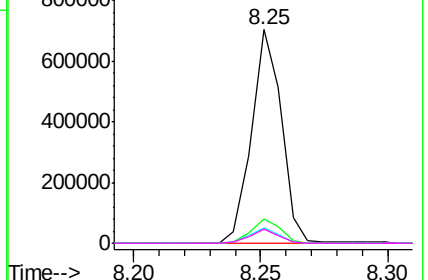
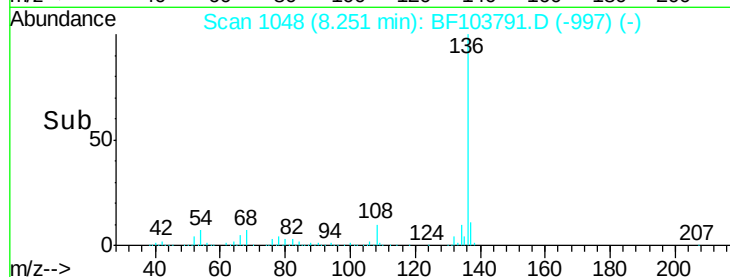


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 105.805 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

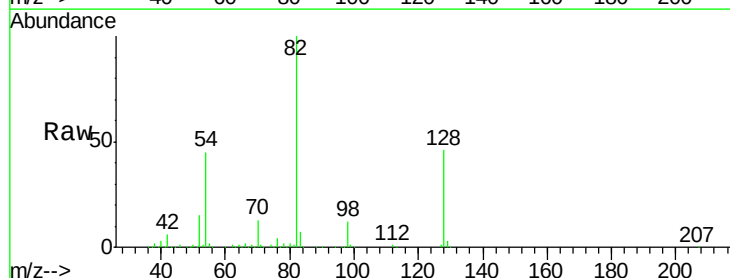
Tgt Ion: 82 Resp: 880472

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

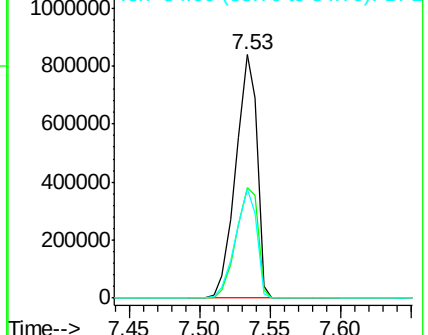
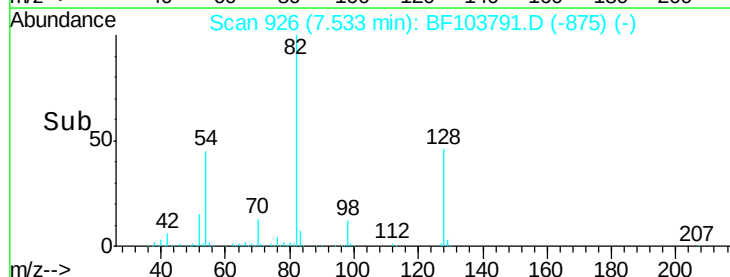
54 44.9 41.4 62.2

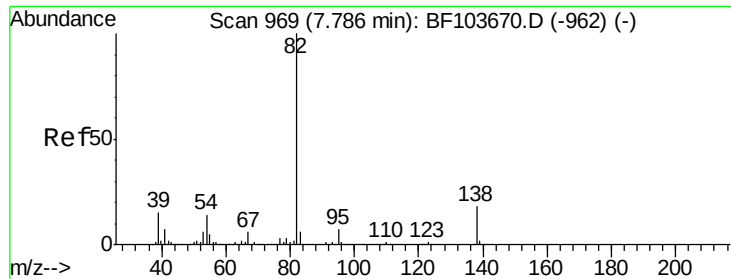


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.705 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

Instrument :

BNA_F

ClientSampleId :

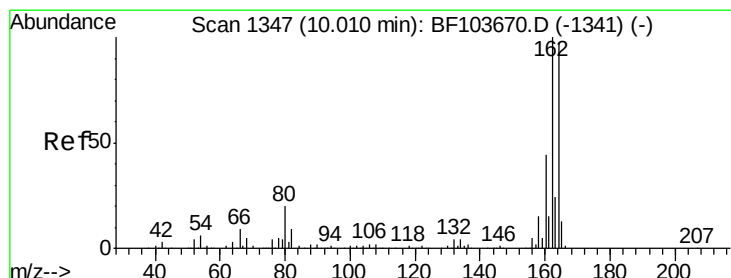
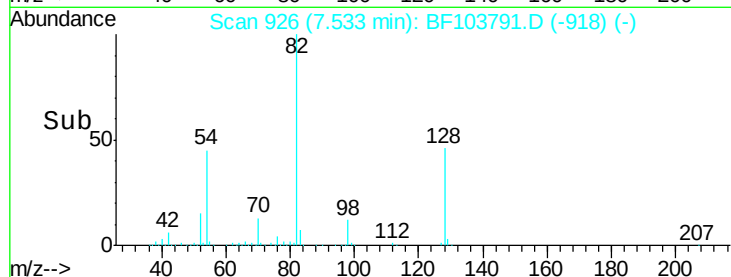
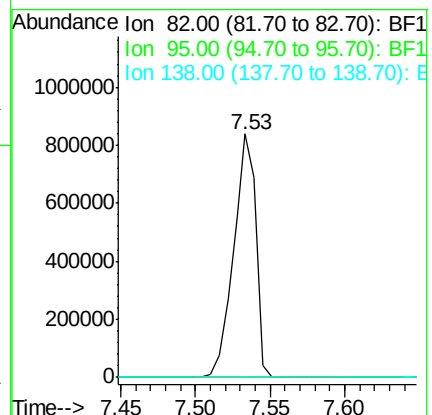
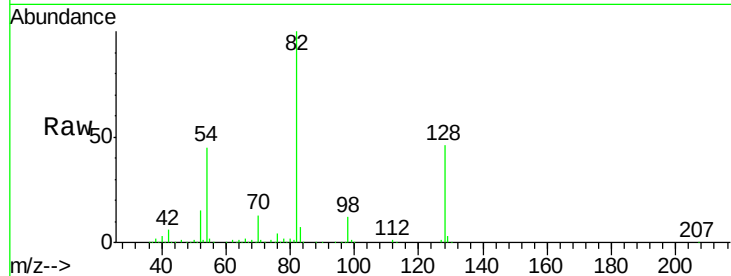
Tot Ion: 82 Resp: 880464

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

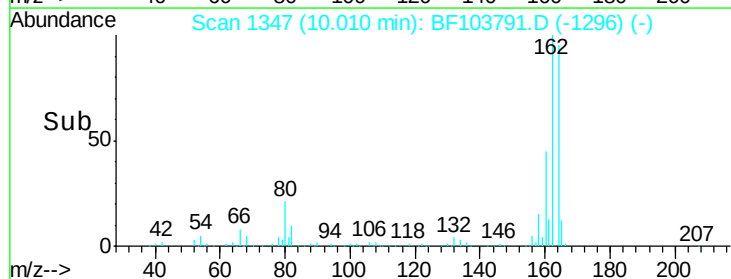
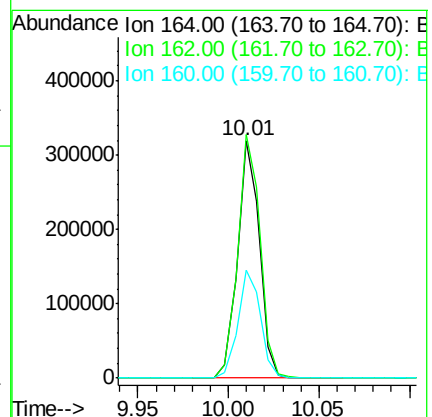
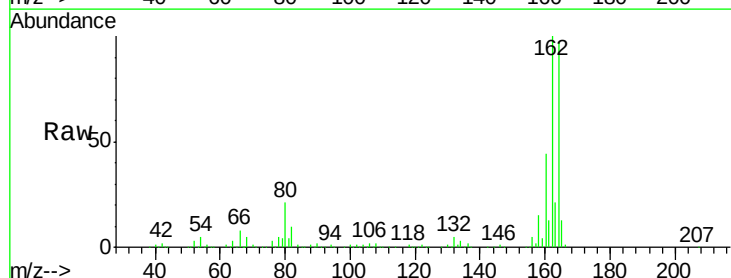
Tgt Ion: 164 Resp: 266927

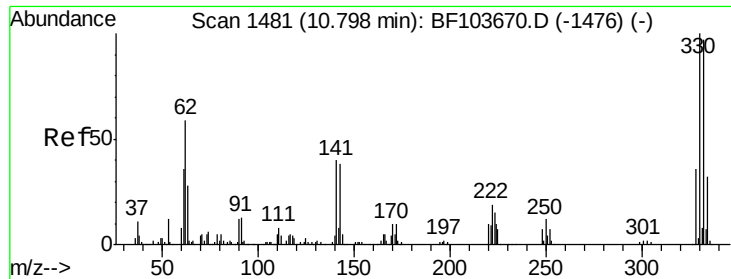
Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

160 45.6 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 100.761 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

Instrument :

BNA_F

ClientSampleId :

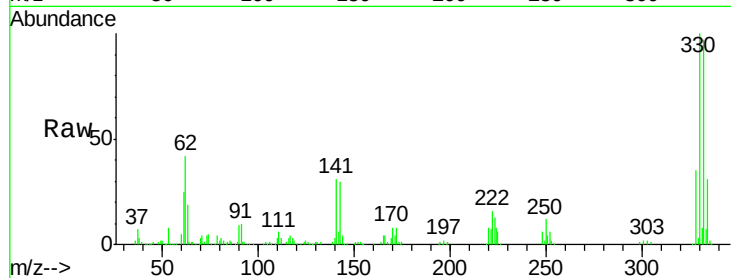
Tot Ion:330 Resp: 231253

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

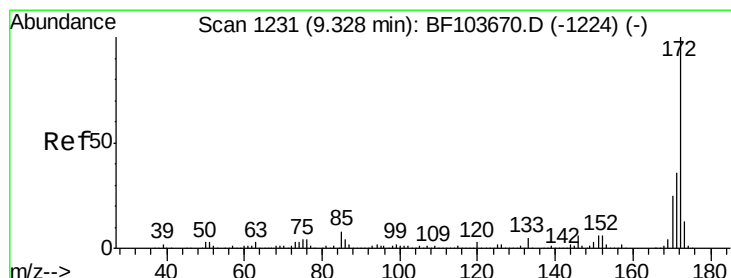
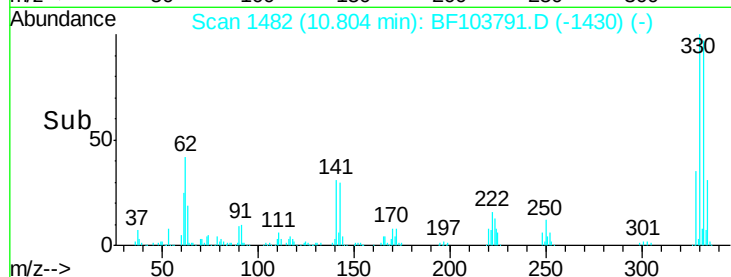
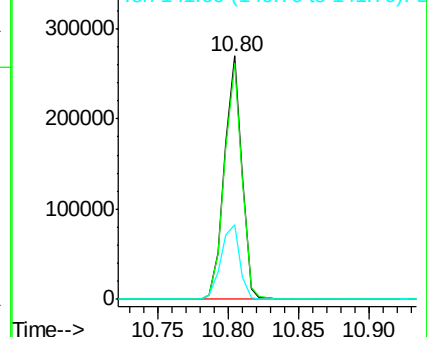
141 33.3 29.9 44.9



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: 86.618 ng

RT: 9.33 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BF103791.D

Acq: 20 Mar 2018 8:09

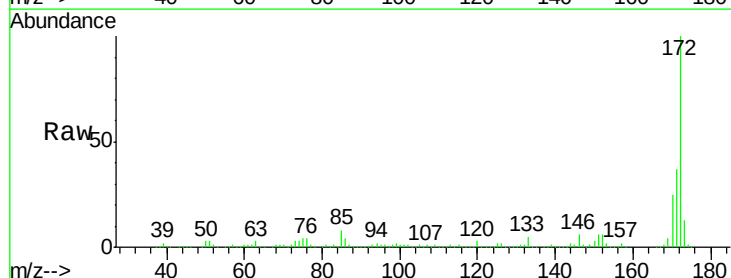
Tgt Ion:172 Resp: 1449440

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

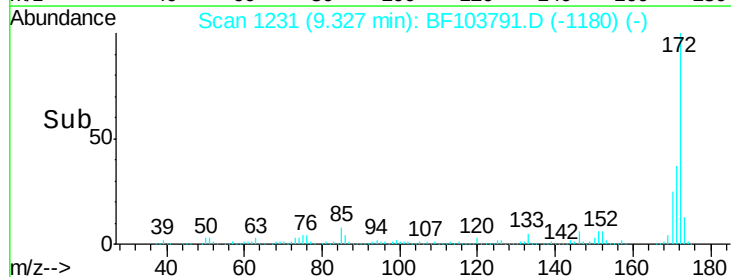
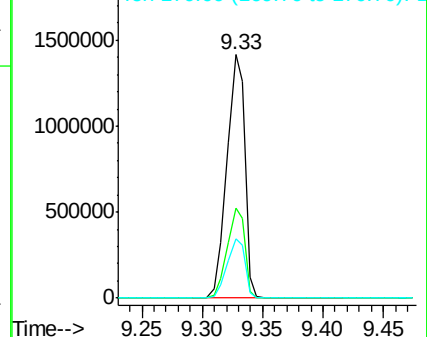
170 24.6 19.6 29.4

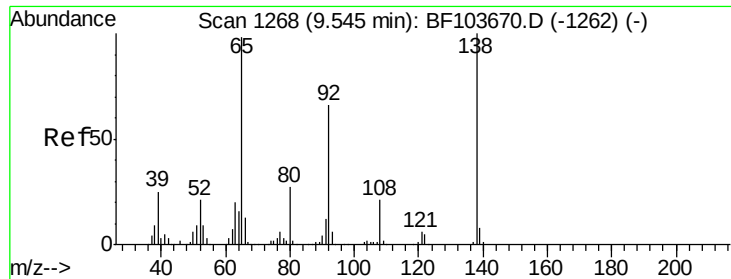


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

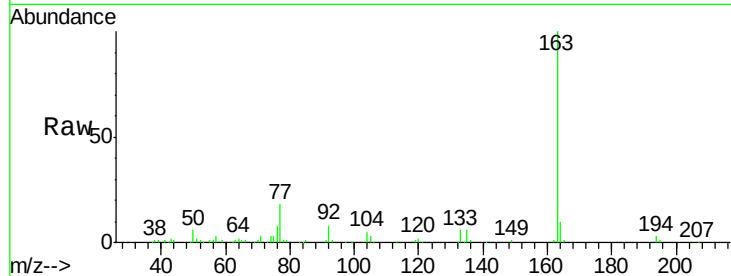




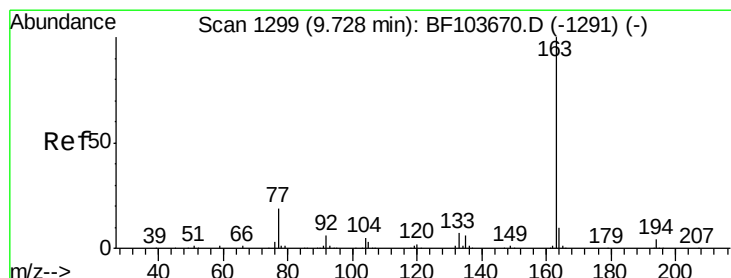
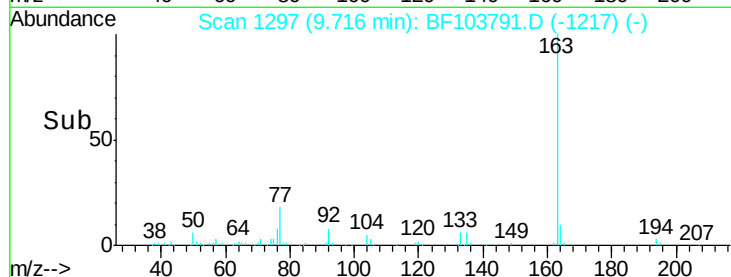
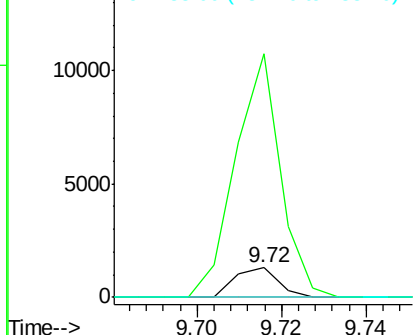
#47
2-Nitroaniline
Concen: 6.987 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103791.D
Acq: 20 Mar 2018 8:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 933
Ion Ratio Lower Upper
65 100
92 818.8 55.8 83.6#
138 0.0 91.2 136.8#

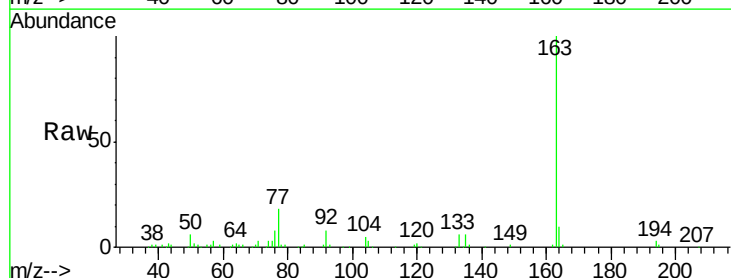


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

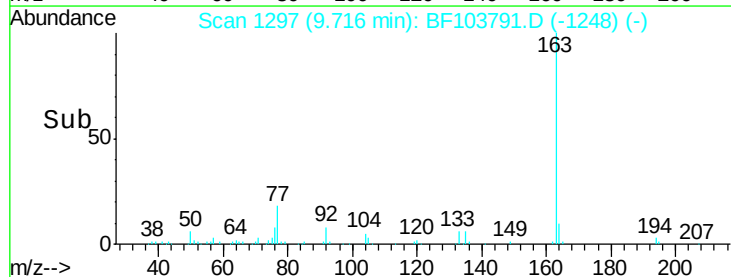
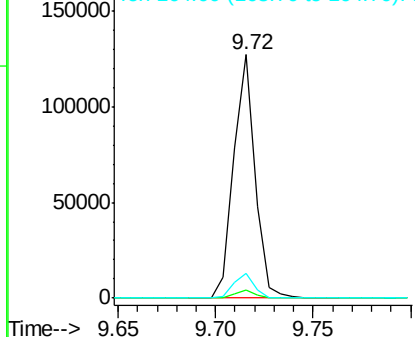


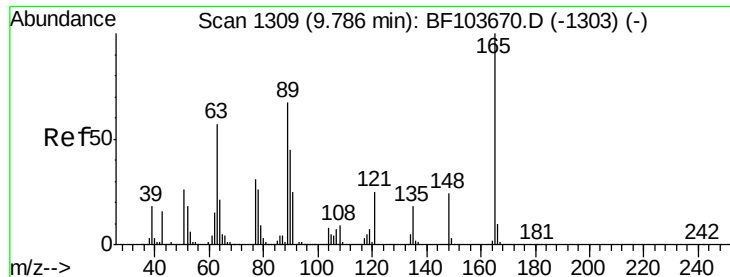
#49
Dimethylphthalate
Concen: 4.746 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103791.D
Acq: 20 Mar 2018 8:09

Tgt Ion:163 Resp: 96646
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 8.2 12.2



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

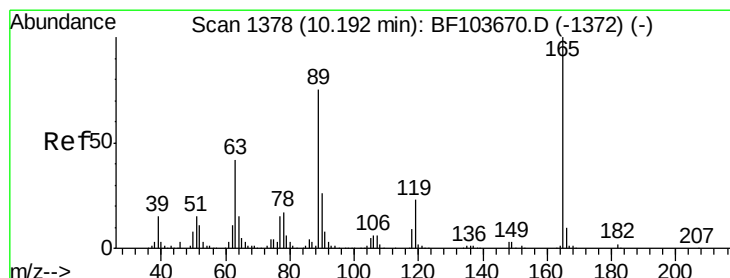
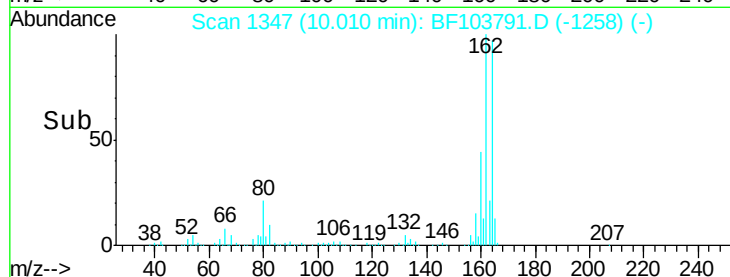
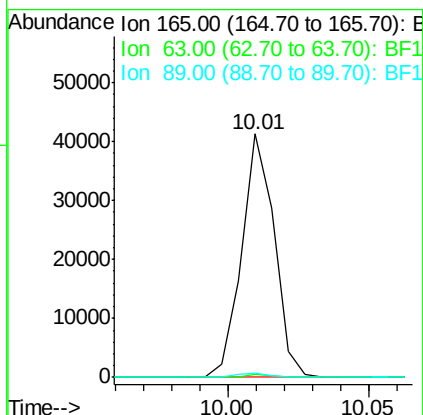
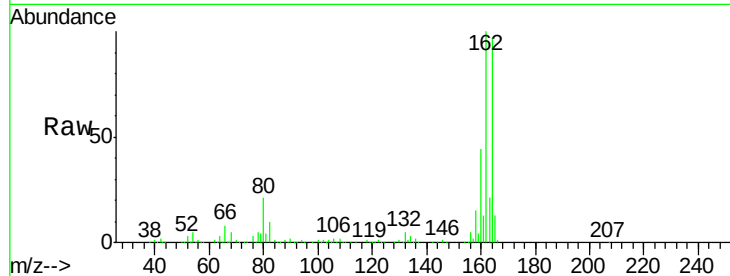




#50
 2,6-Dinitrotoluene
 Concen: 11.705 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

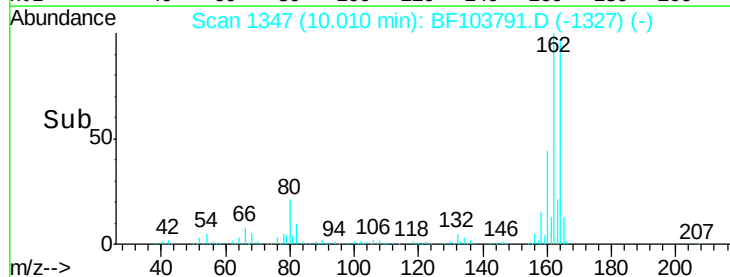
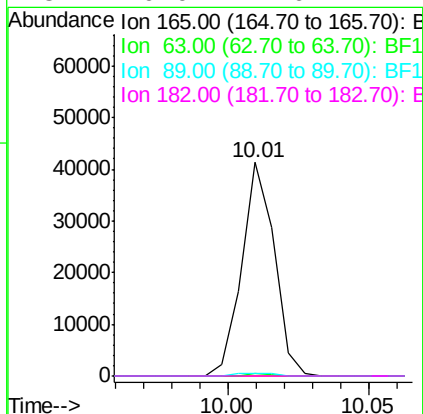
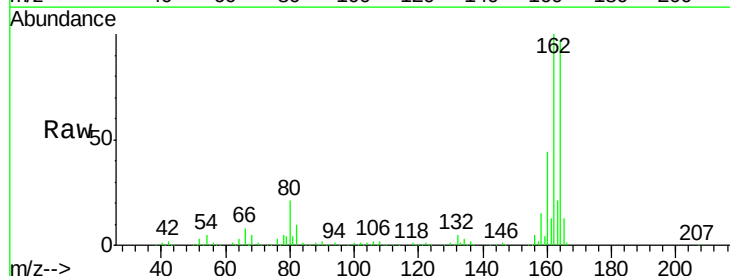
Instrument :
 BNA_F
 ClientSampleId :

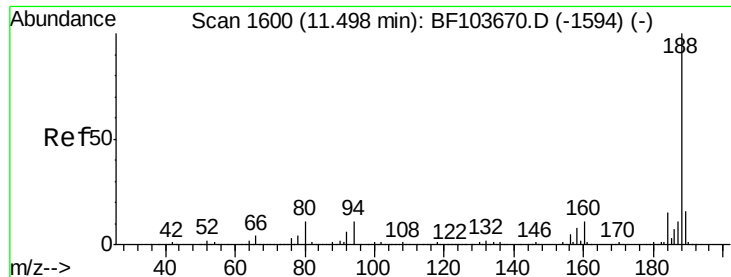
Tot Ion:165 Resp: 33170
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.5 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 11.999 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

Tgt Ion:165 Resp: 33170
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

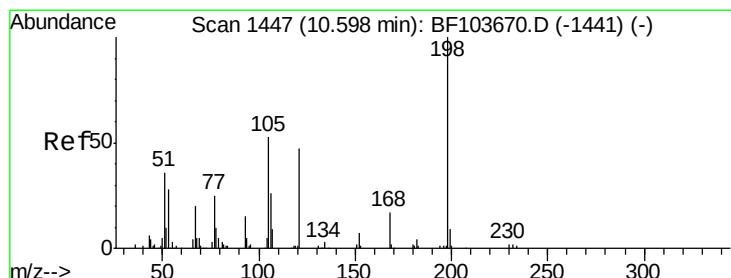
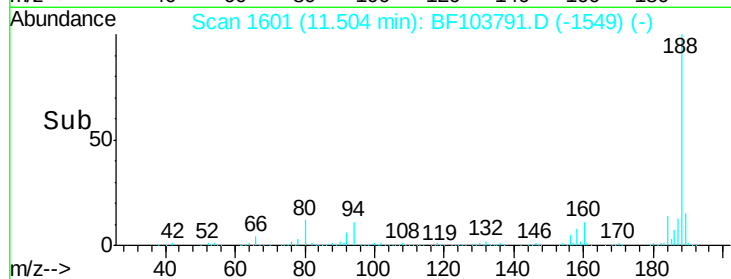
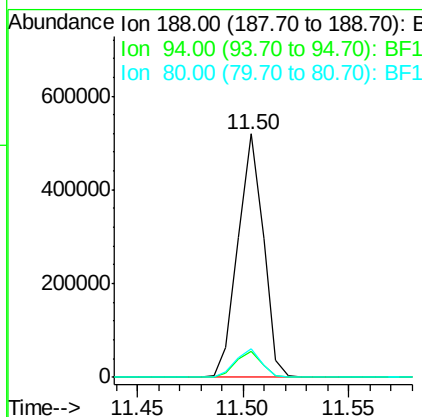
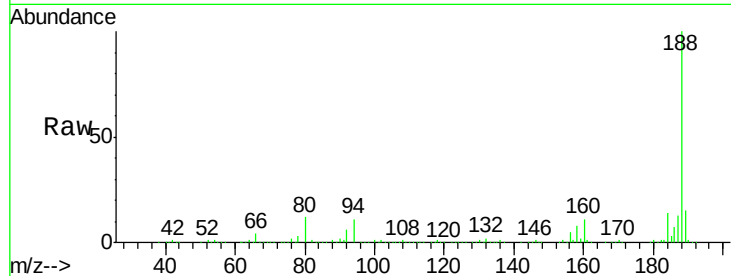




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

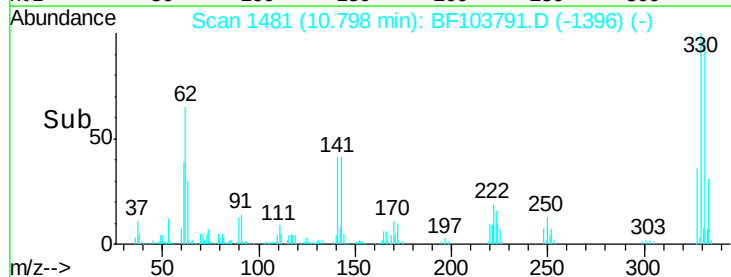
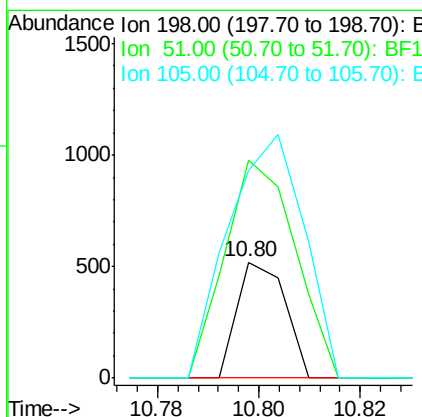
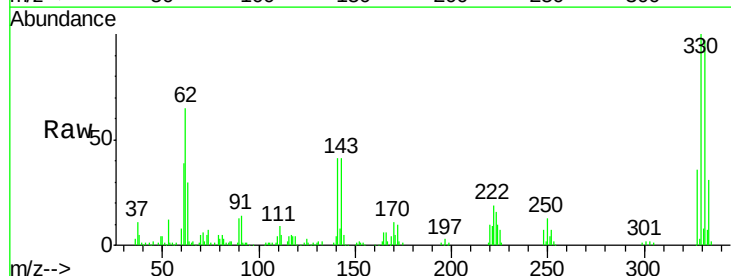
Instrument :
 BNA_F
 ClientSampleId :

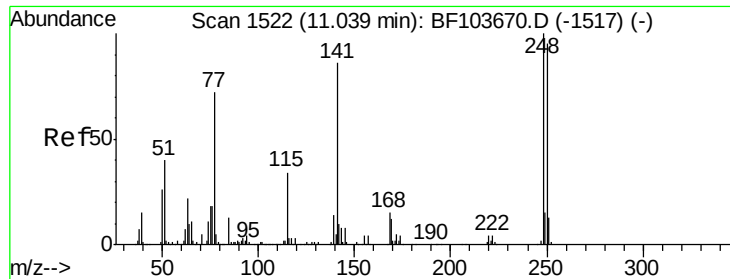
Tot Ion:188 Resp: 431514
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 12.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.354 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.20 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

Tgt Ion:198 Resp: 343
 Ion Ratio Lower Upper
 198 100
 51 188.4 37.7 77.7#
 105 180.0 36.3 76.3#

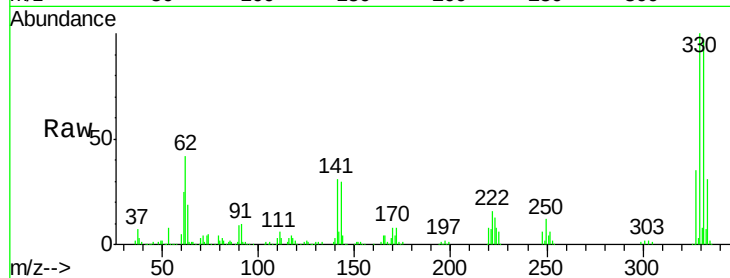




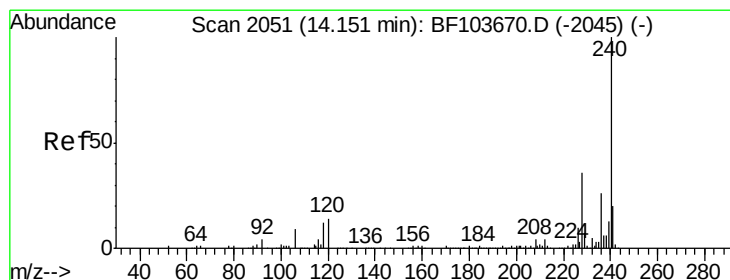
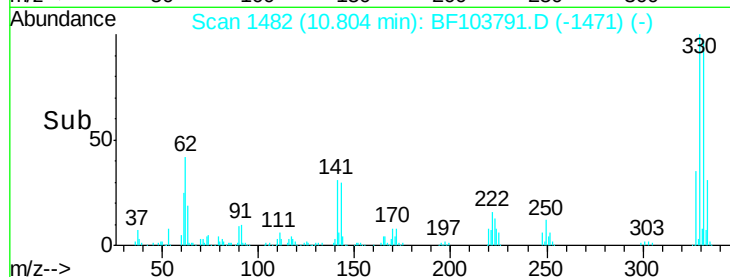
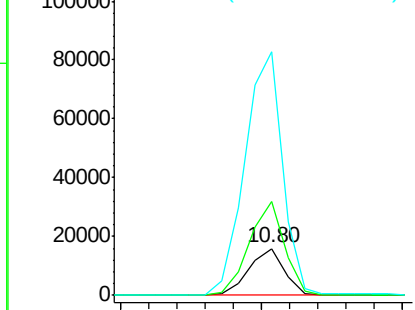
#66
 4-Bromophenyl-phenylether
 Concen: 3.131 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.24 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13873
 Ion Ratio Lower Upper
 248 100
 250 200.5 76.9 115.3#
 141 519.1 74.4 111.6#

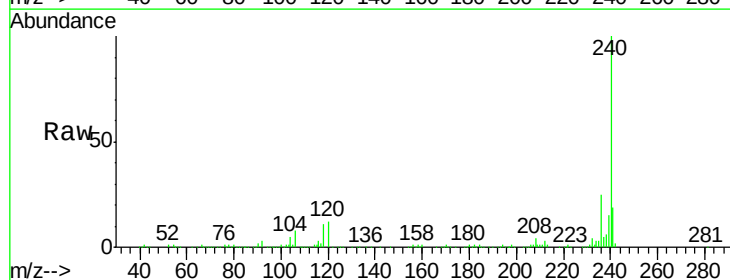


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

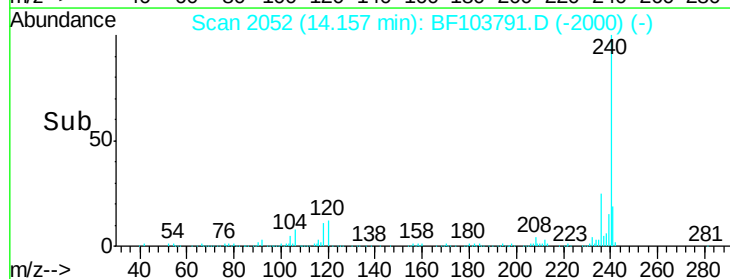
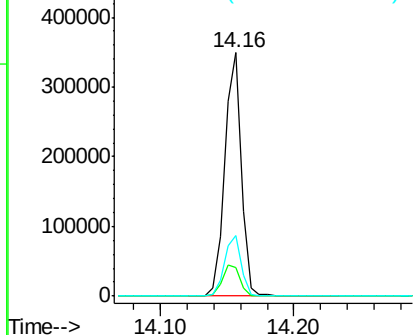


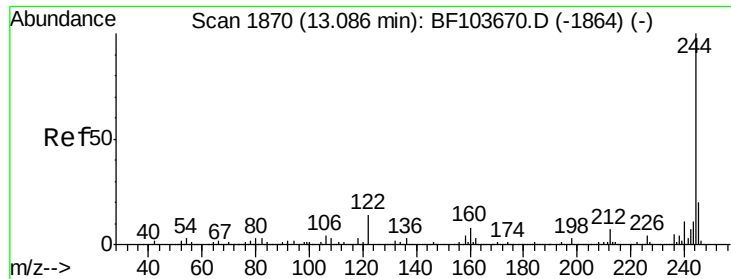
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

Tgt Ion:240 Resp: 306248
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 24.9 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

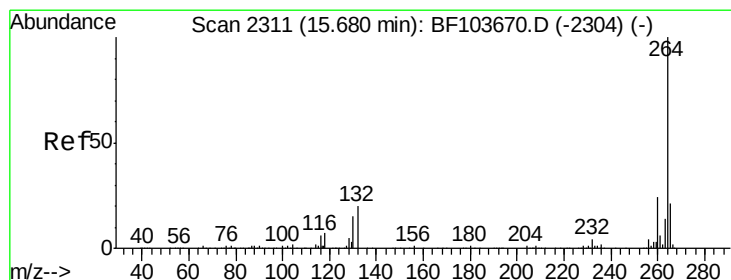
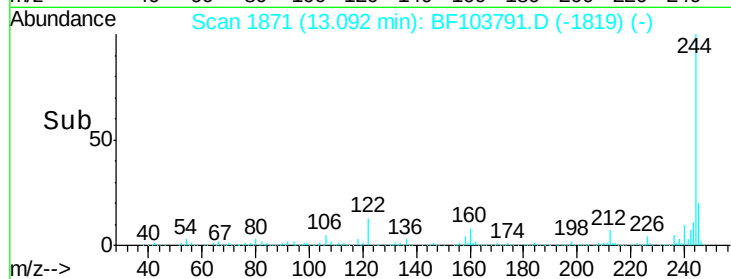
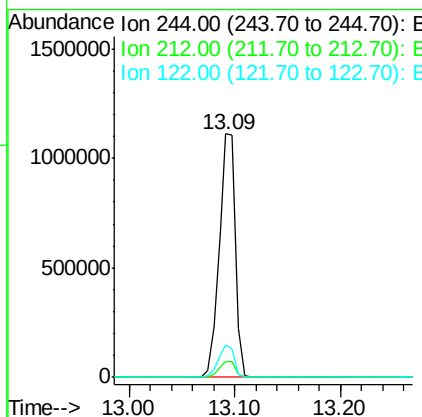
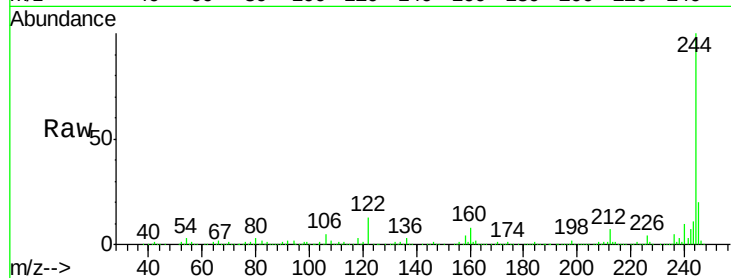




#78
 Terphenyl-d14
 Concen: 90.732 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1197103
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 13.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: BF103791.D
 Acq: 20 Mar 2018 8:09

Tgt Ion:264 Resp: 255948
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.8 17.5 26.3

