

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103748.D
 Acq On : 19 Mar 2018 11:16
 Operator : JU/SJ
 Sample : J1938-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

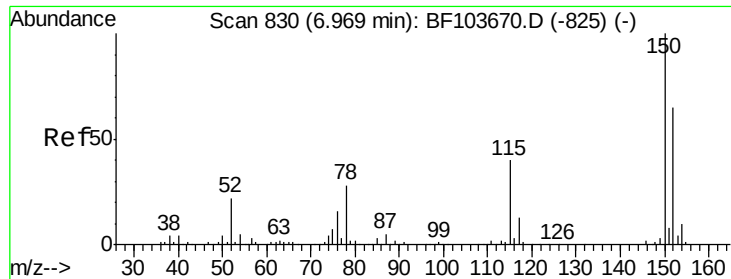
Quant Time: Mar 19 12:29:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 10:47:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	170083	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	702782	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	327601	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	603272	20.00	ng	0.00
75) Chrysene-d12	14.16	240	548051	20.00	ng	0.00
86) Perylene-d12	15.70	264	497957	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1338074	119.66	ng	0.02
7) Phenol-d6	6.60	99	1483642	108.45	ng	0.00
23) Nitrobenzene-d5	7.53	82	1144275	113.54	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	456395	162.03	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1829760	89.09	ng	0.00
78) Terphenyl-d14	13.10	244	1914644	81.09	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.75	77	30505	3.394	ng	82
19) n-Nitroso-di-n-propylamine	7.53	70	150570	17.173	ng	# 74
25) Isophorone	7.53	82	1144258	49.048	ng	# 64
31) Naphthalene	8.27	128	84994	2.394	ng	100
32) Benzoic acid	7.93	122	1235	10.044	ng	# 89
47) 2-Nitroaniline	9.33	65	2953	7.261	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	41863	11.923	ng	# 25
52) 3-Nitroaniline	10.22	138	275	3.858	ng	# 2
55) 4-Nitrophenol	10.22	139	3008	5.586	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	41863	12.163	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	1007	8.617	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	27502	4.440	ng	# 1

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

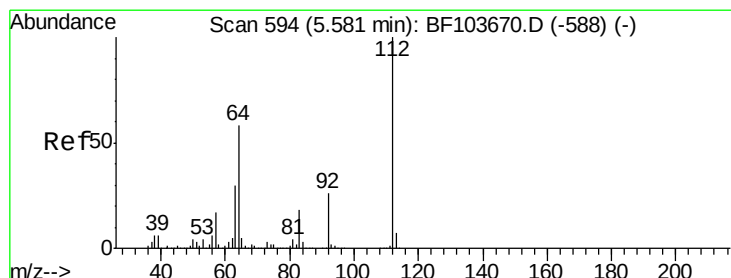
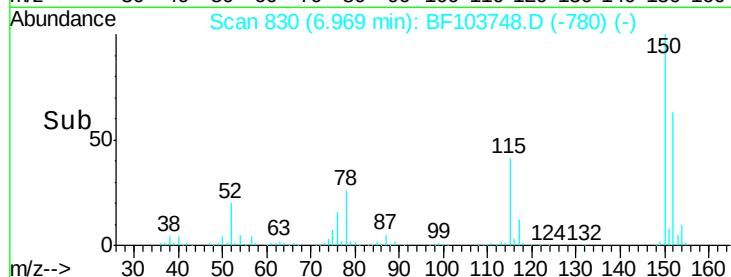
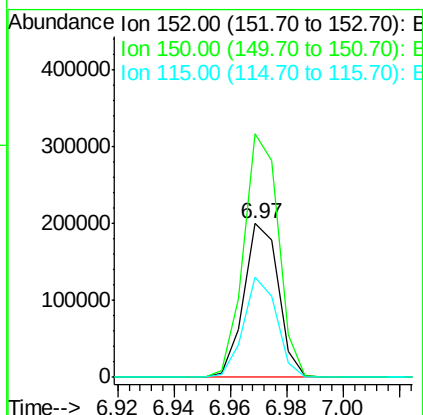
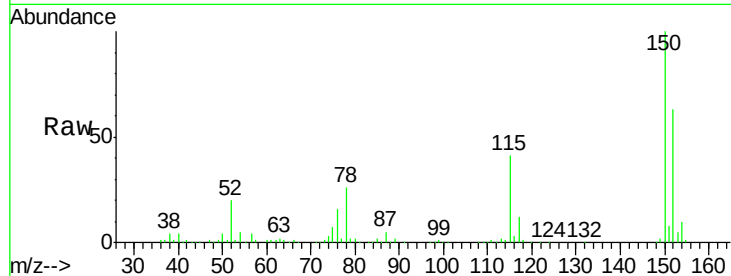


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Instrument :
BNA_F
ClientSampleId :

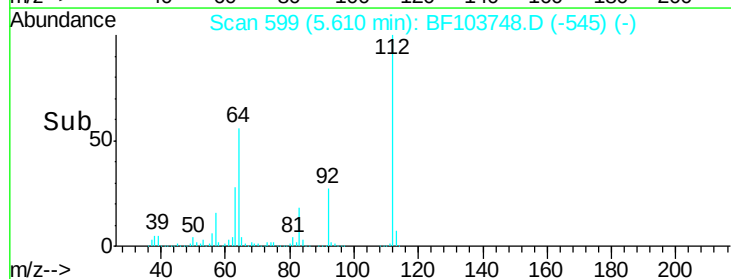
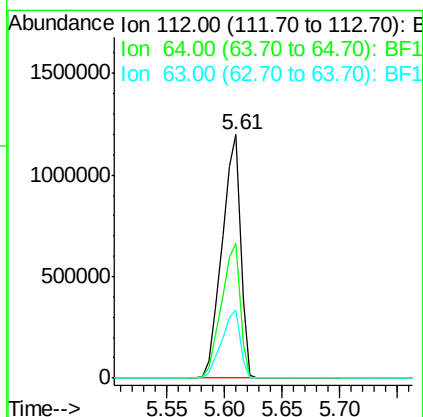
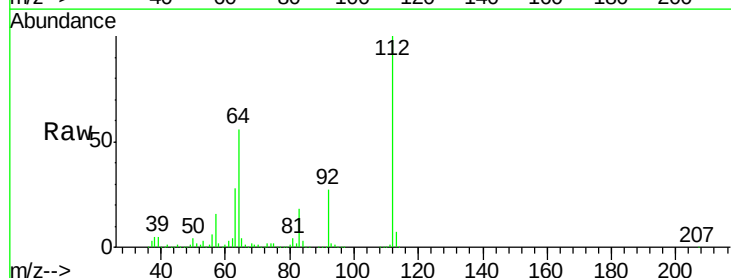
Tot Ion:152 Resp: 170083
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 65.3 50.1 75.1

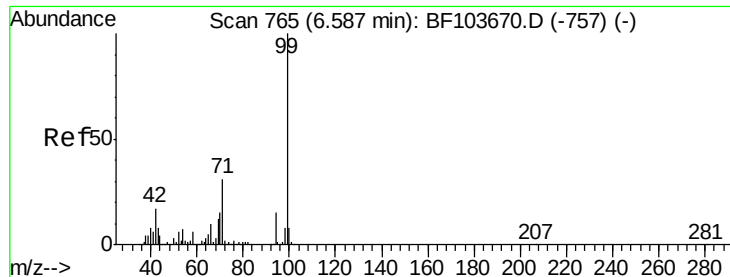


#5

2-Fluorophenol
Concen: 119.659 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Tgt Ion:112 Resp: 1338074
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.2 23.7 35.5





#7

Phenol-d6

Concen: 108.447 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

Instrument :

BNA_F

ClientSampleId :

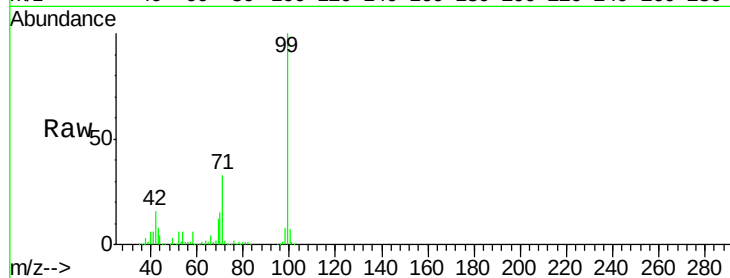
Tot Ion: 99 Resp: 1483642

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

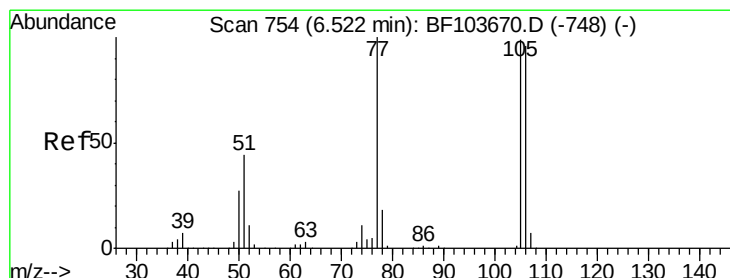
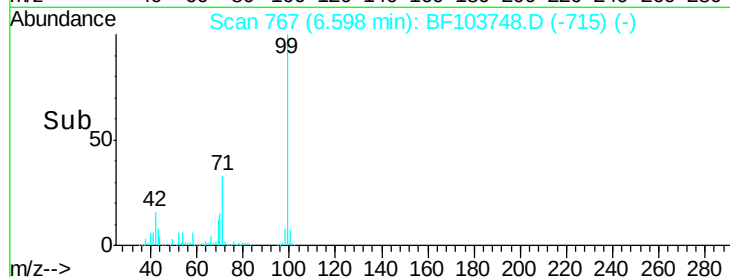
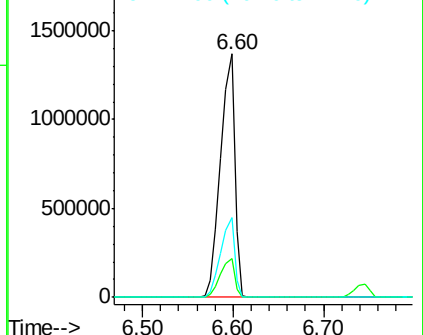
71 32.6 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.394 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

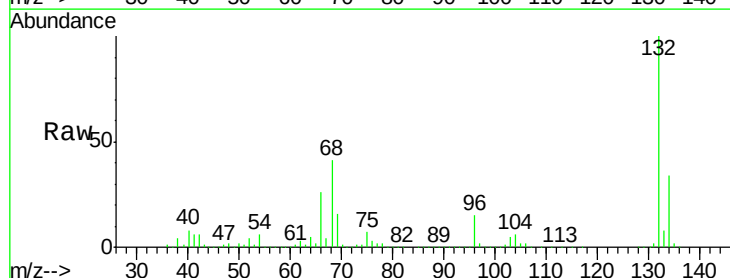
Tgt Ion: 77 Resp: 30505

Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

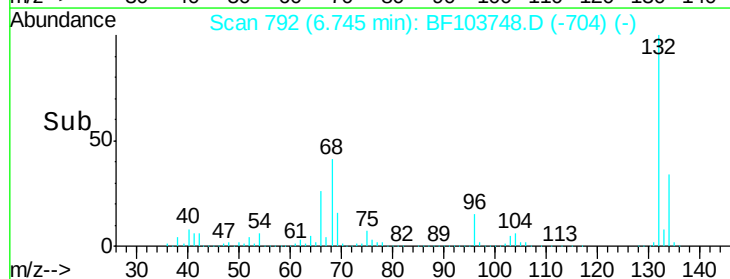
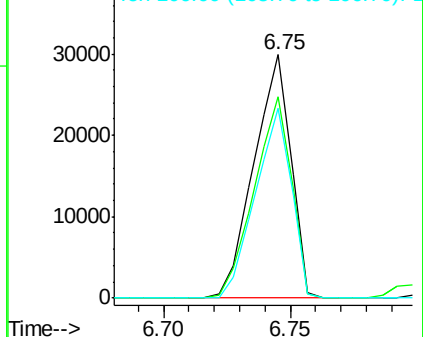
106 77.9 74.5 114.5

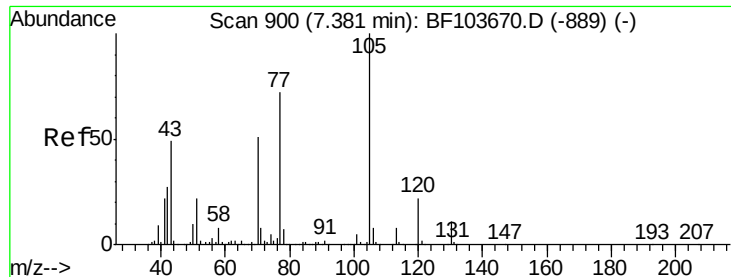


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 17.173 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 150570

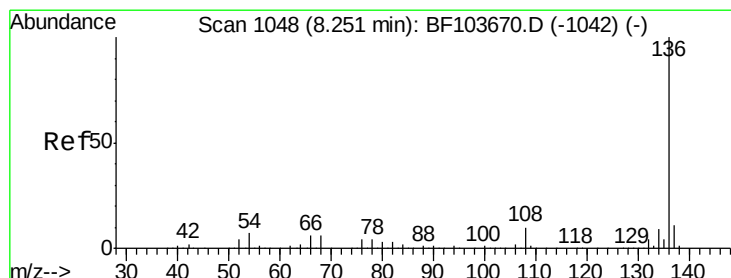
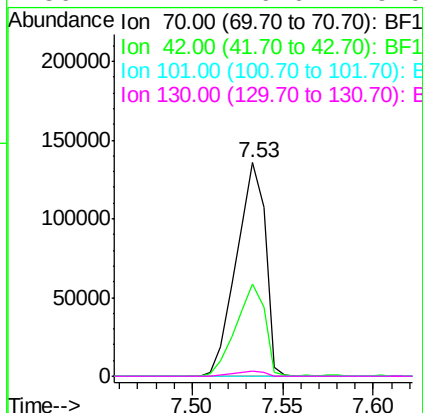
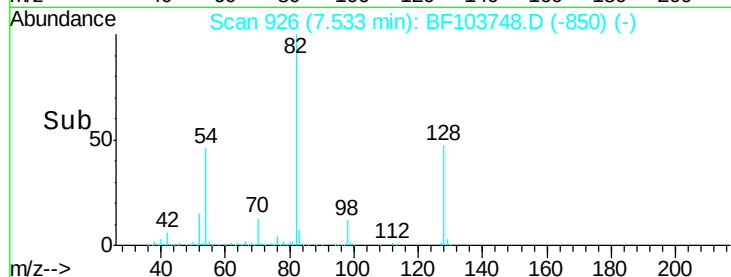
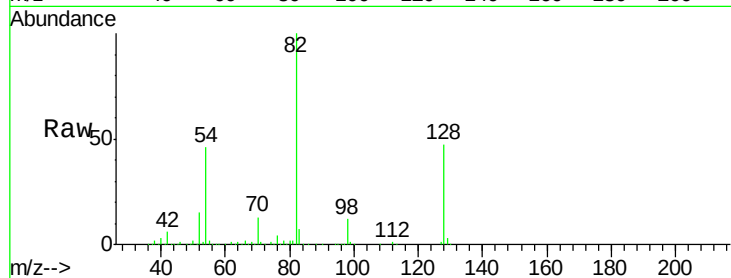
Ion Ratio Lower Upper

70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

Tgt Ion:136 Resp: 702782

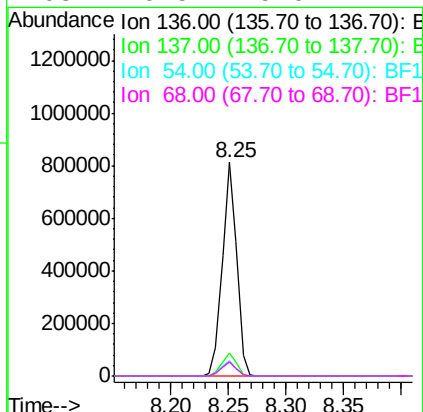
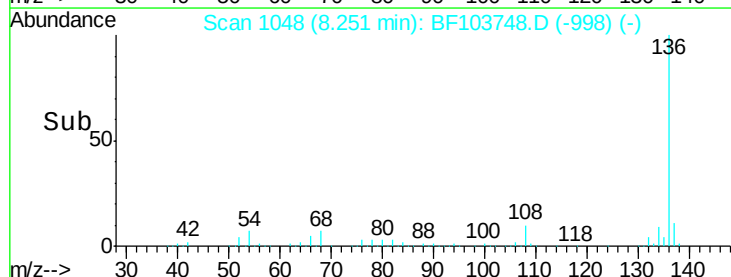
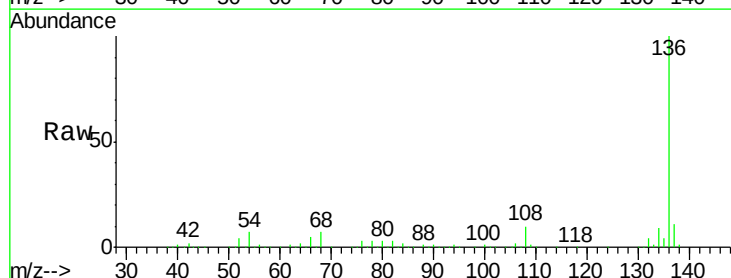
Ion Ratio Lower Upper

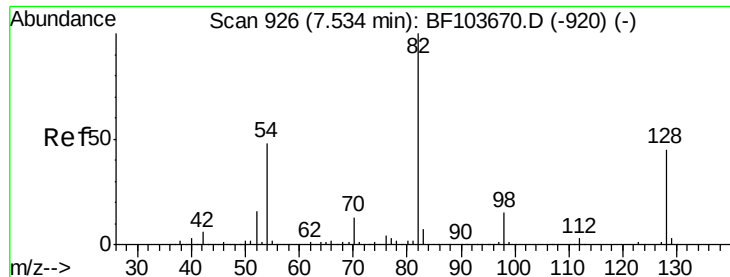
136 100

137 10.9 8.9 13.3

54 7.1 6.6 9.8

68 6.5 5.0 7.4

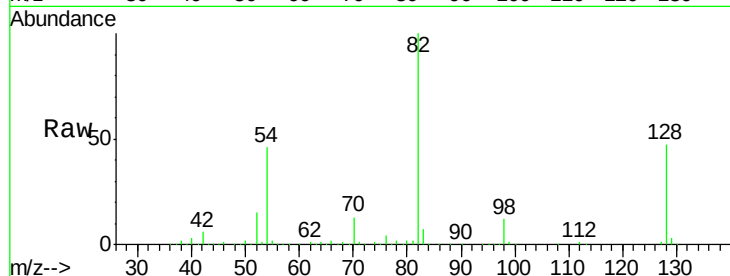




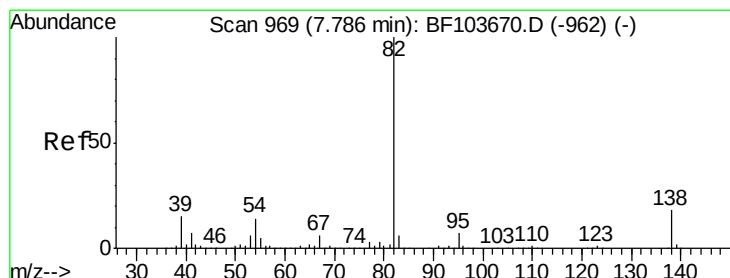
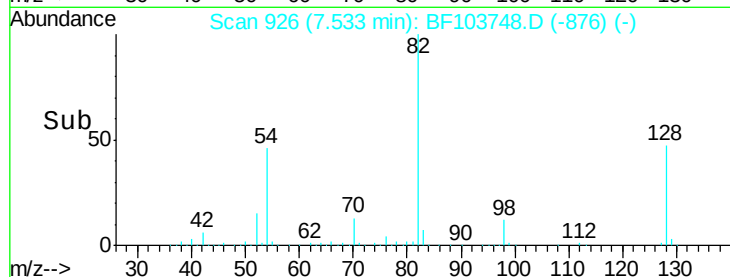
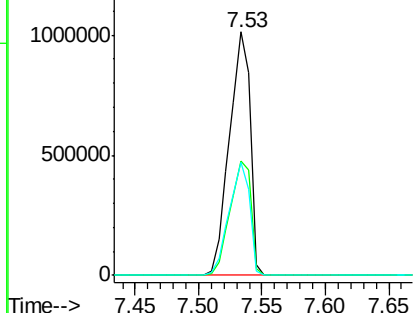
#23
Nitrobenzene-d5
Concen: 113.545 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1144275
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 46.5 41.4 62.2

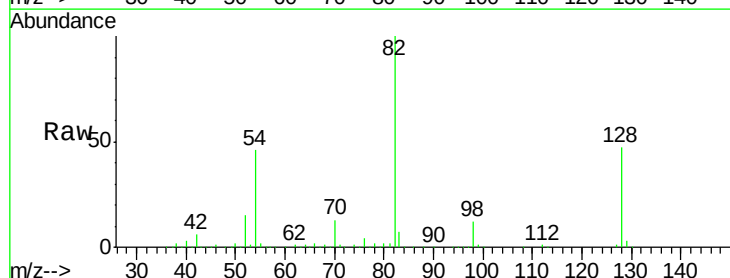


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

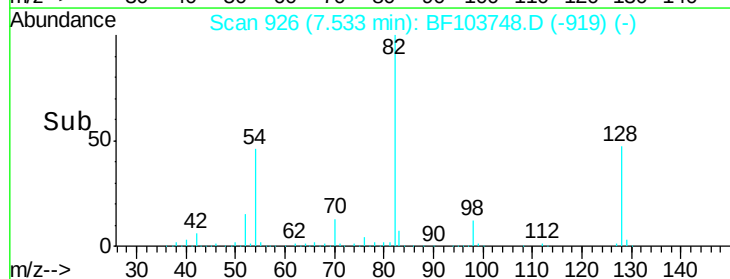
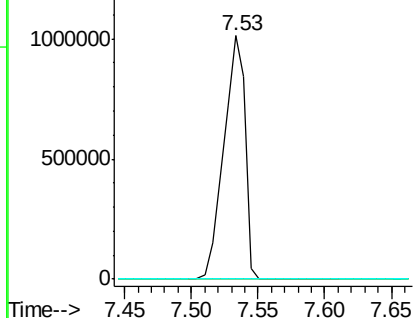


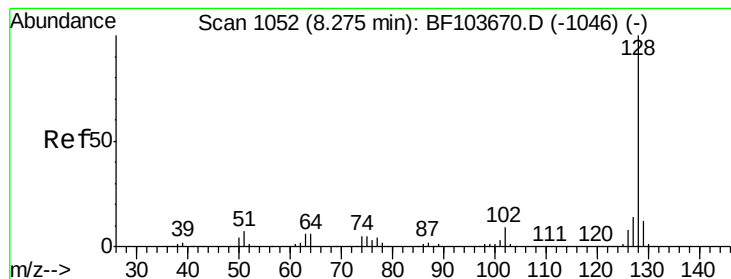
#25
Isophorone
Concen: 49.048 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Tgt Ion: 82 Resp: 1144258
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





#31

Naphthalene

Concen: 2.394 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

Instrument :

BNA_F

ClientSampleId :

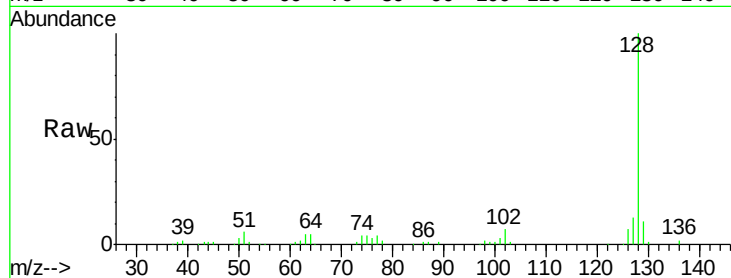
Tot Ion:128 Resp: 84994

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

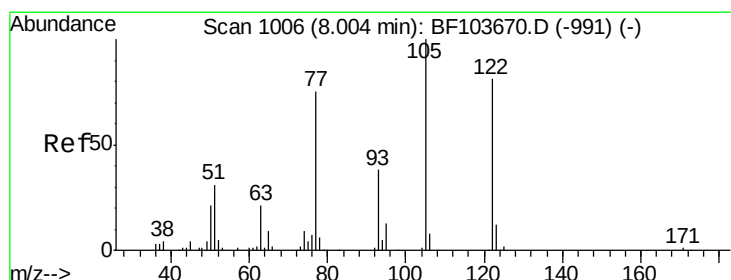
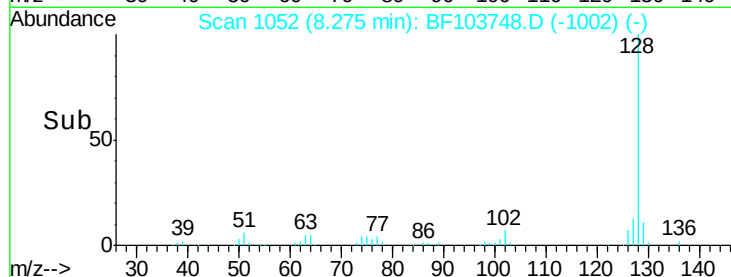
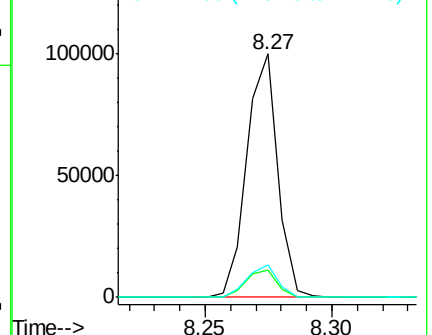
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.044 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.08 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

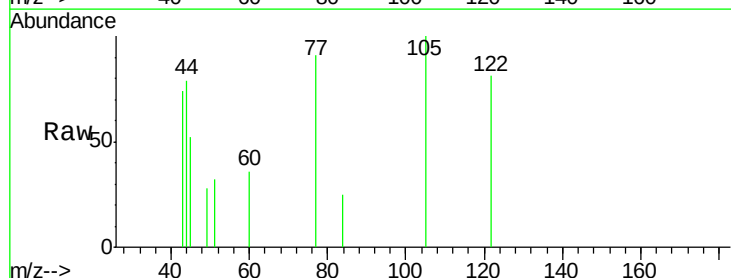
Tgt Ion:122 Resp: 1235

Ion Ratio Lower Upper

122 100

105 123.5 101.1 141.1

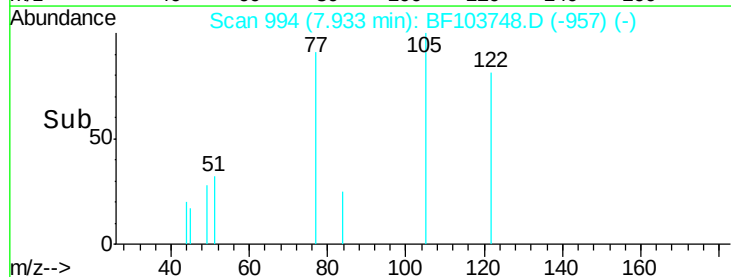
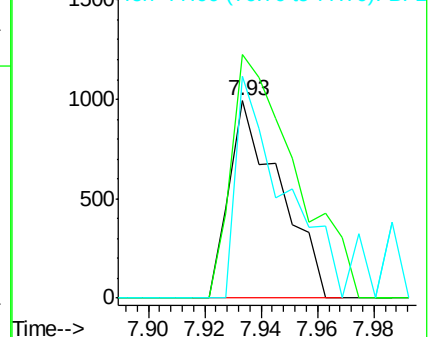
77 112.2 70.7 110.7#

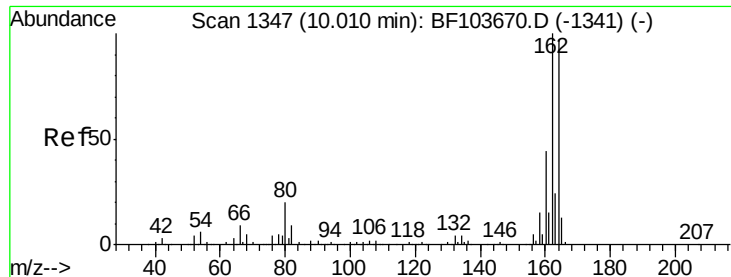


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

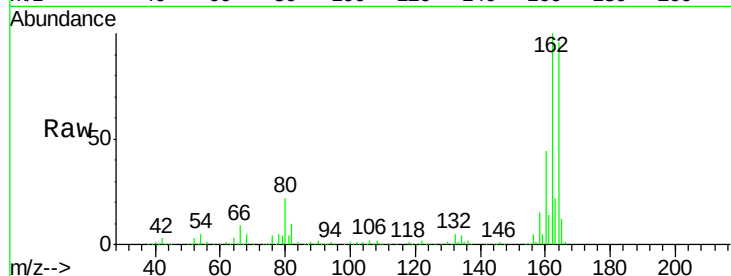




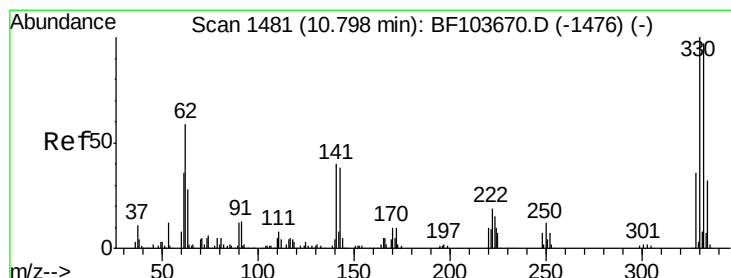
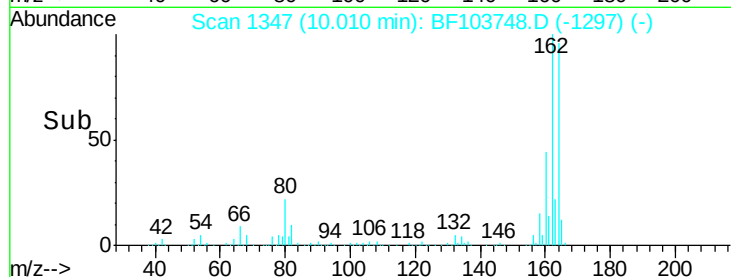
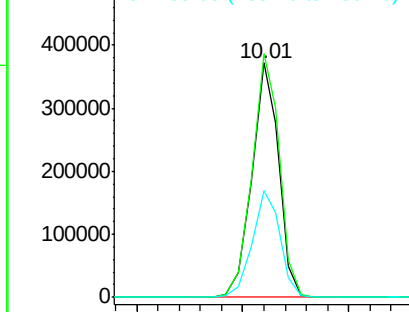
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 327601
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 45.8 38.3 57.5

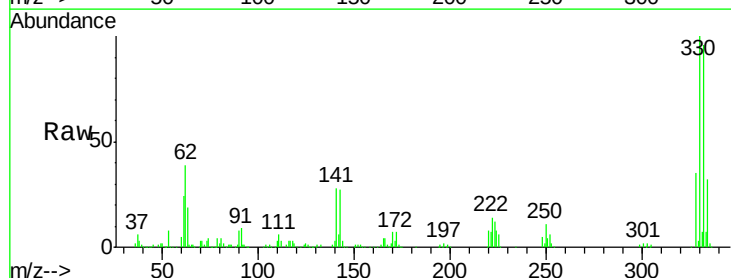


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

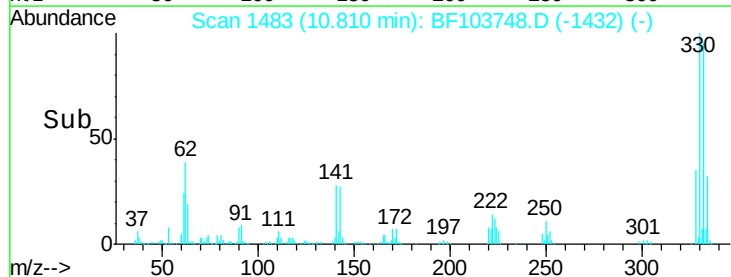
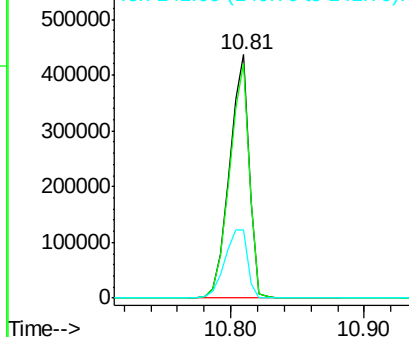


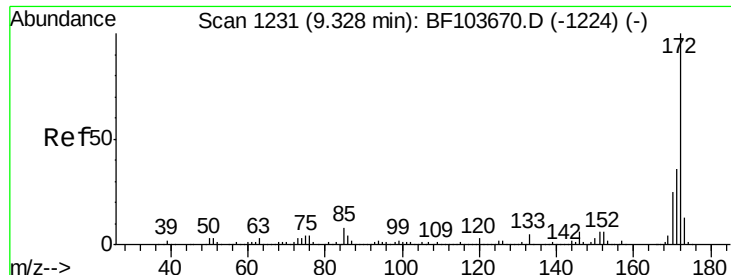
#41
2,4,6-Tribromophenol
Concen: 162.030 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Tgt Ion:330 Resp: 456395
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 32.5 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

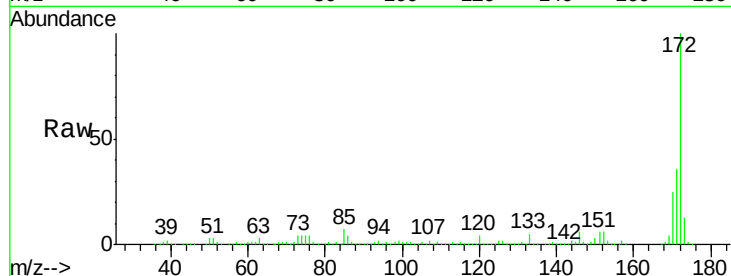




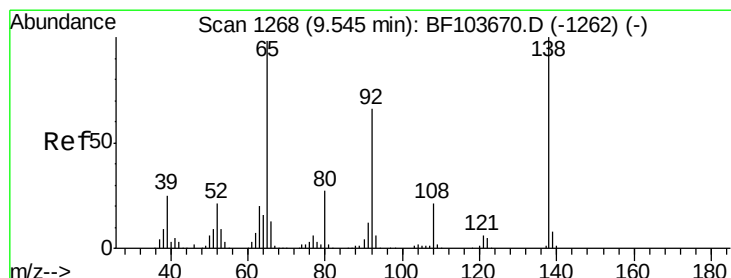
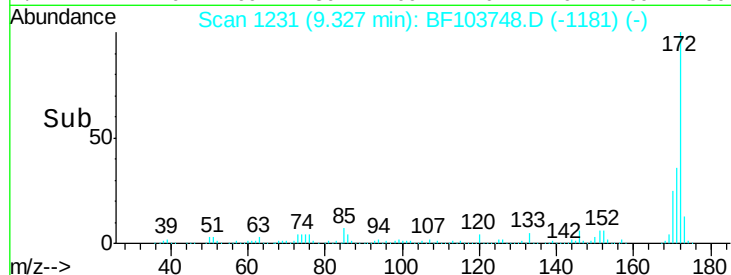
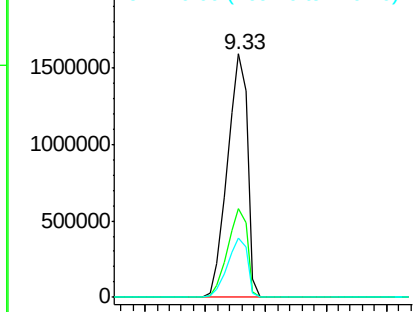
#44
2-Fluorobiphenyl
Concen: 89.094 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1829760
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.6 19.6 29.4

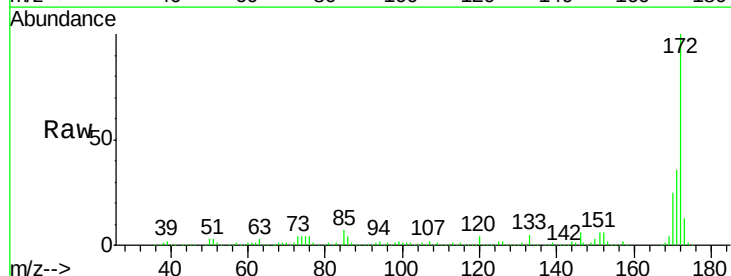


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

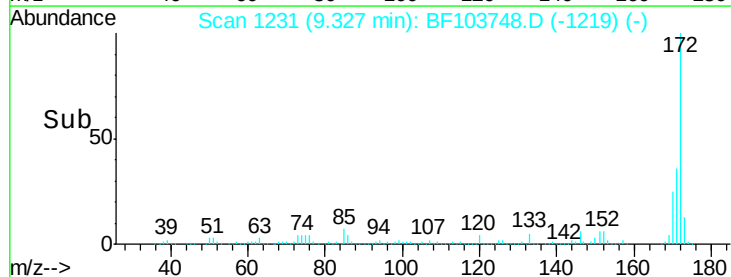
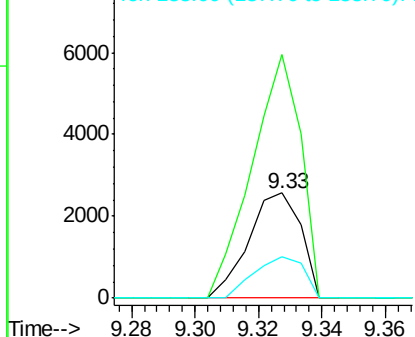


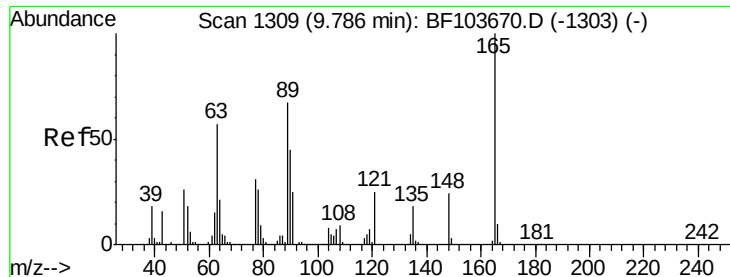
#47
2-Nitroaniline
Concen: 7.261 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.23 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Tgt Ion: 65 Resp: 2953
Ion Ratio Lower Upper
65 100
92 231.4 55.8 83.6#
138 39.2 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): E

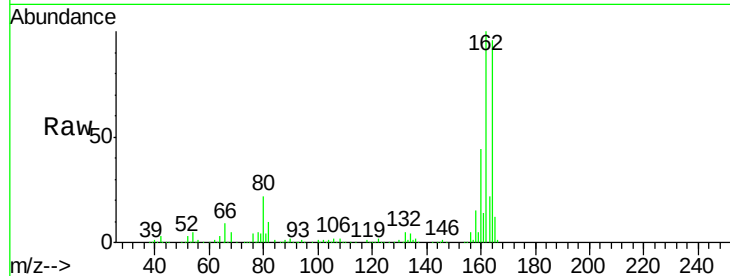




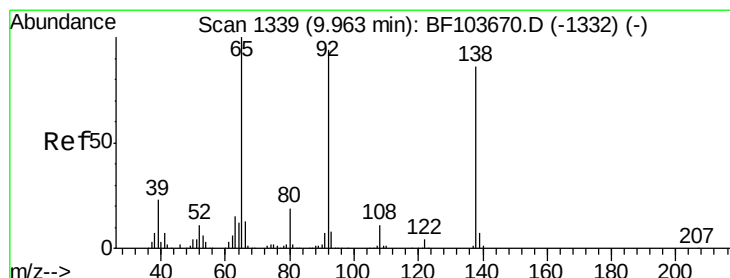
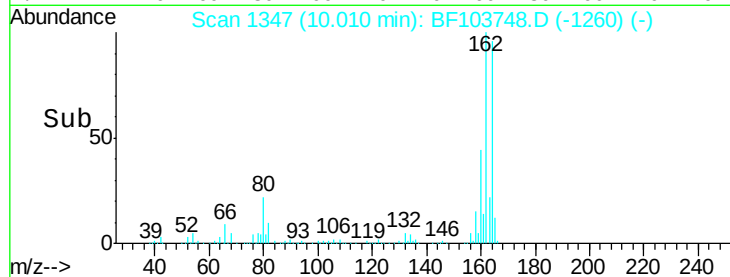
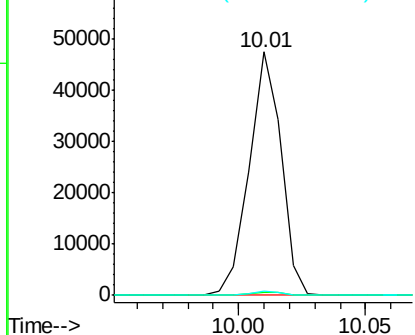
#50
 2,6-Dinitrotoluene
 Concen: 11.923 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.21 min
 Lab File: BF103748.D
 Acq: 19 Mar 2018 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 41863
 Ion Ratio Lower Upper
 165 100
 63 1.0 44.7 67.1#
 89 1.7 44.0 66.0#

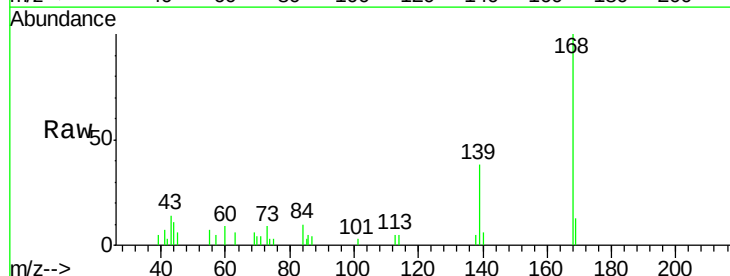


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

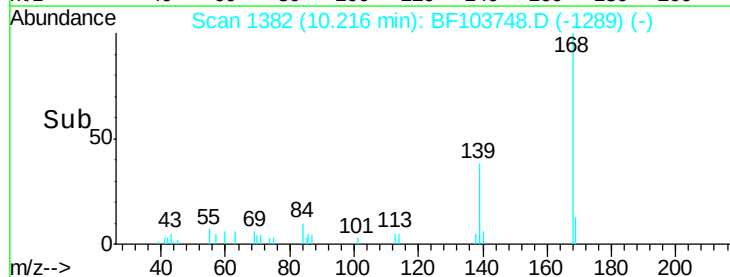
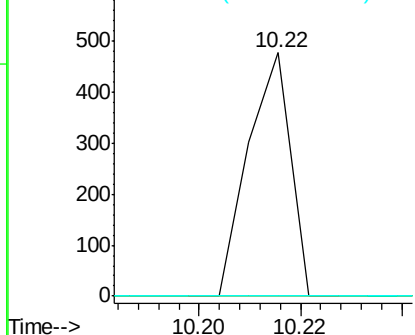


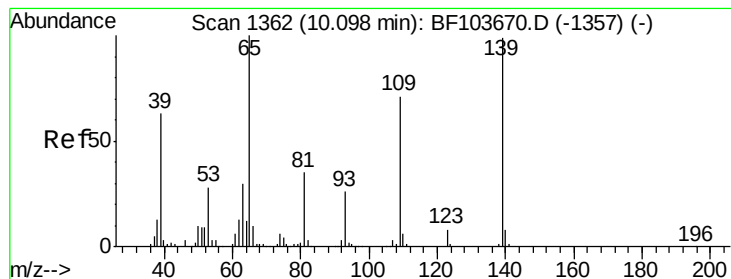
#52
 3-Nitroaniline
 Concen: 3.858 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.25 min
 Lab File: BF103748.D
 Acq: 19 Mar 2018 11:16

Tgt Ion:138 Resp: 275
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.4 14.0#
 92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1





#55

4-Nitrophenol

Concen: 5.586 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.10 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

Instrument :

BNA_F

ClientSampled :

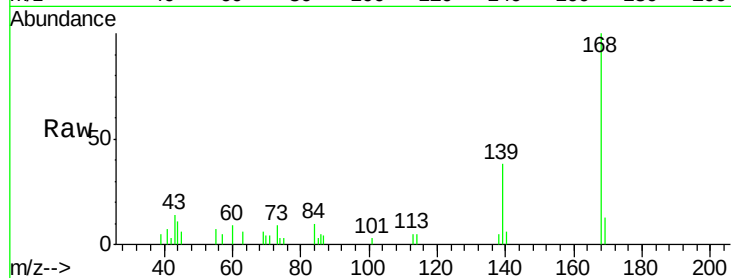
Tot Ion:139 Resp: 3008

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

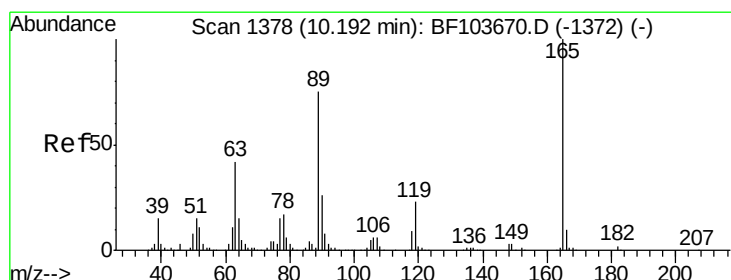
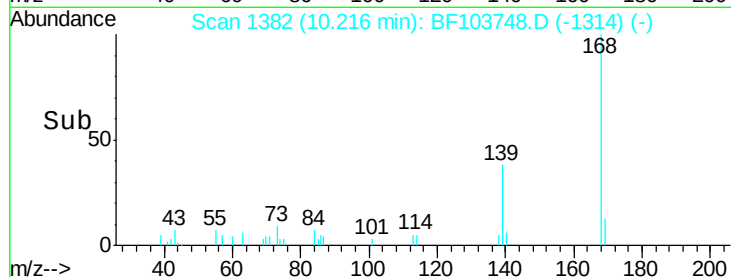
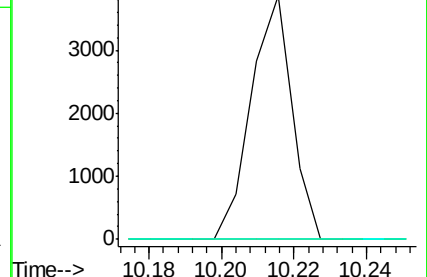
65 0.0 72.6 112.6#



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): BF1



#56

2,4-Dinitrotoluene

Concen: 12.163 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.19 min

Lab File: BF103748.D

Acq: 19 Mar 2018 11:16

Tgt Ion:165 Resp: 41863

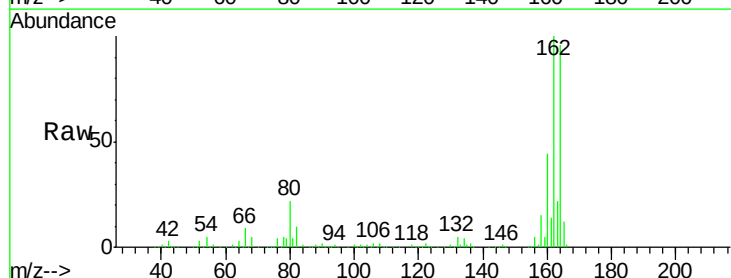
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

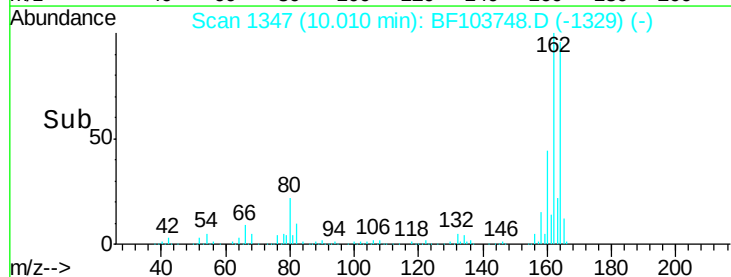
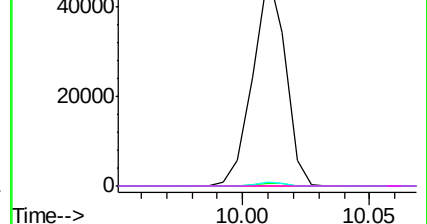


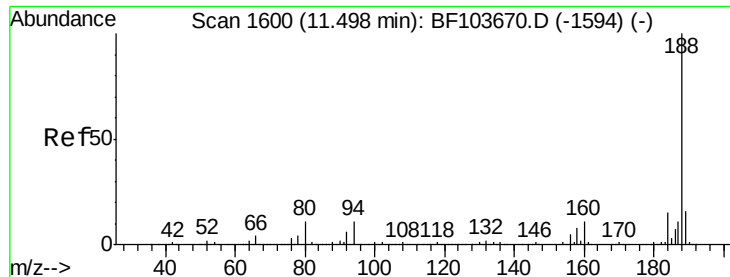
Abundance Ion 165.00 (164.70 to 165.70): E

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

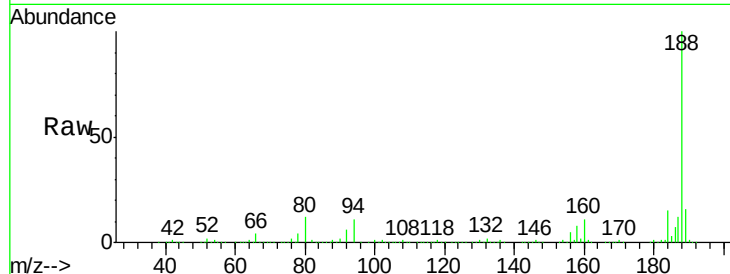




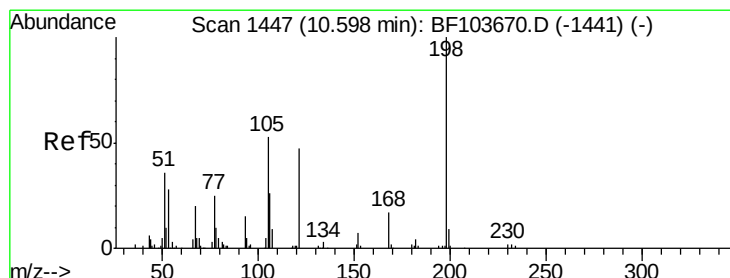
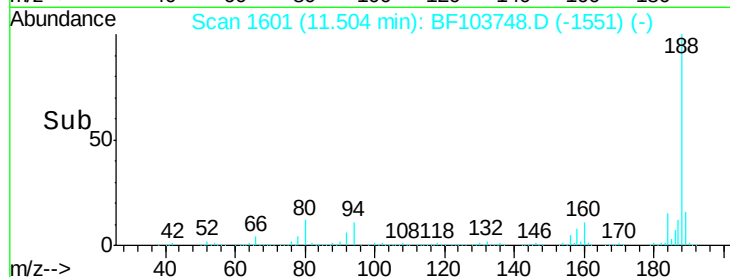
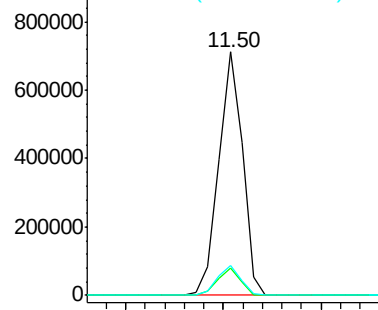
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 603272
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 12.1 9.2 13.8

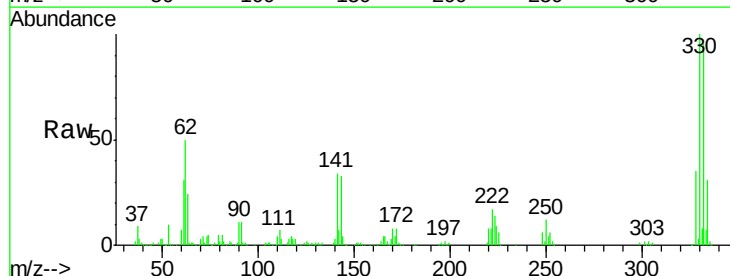


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

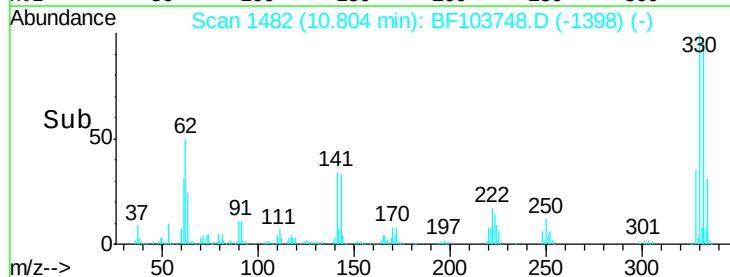
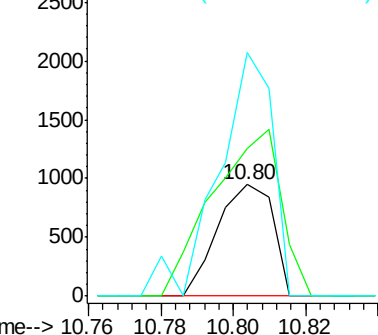


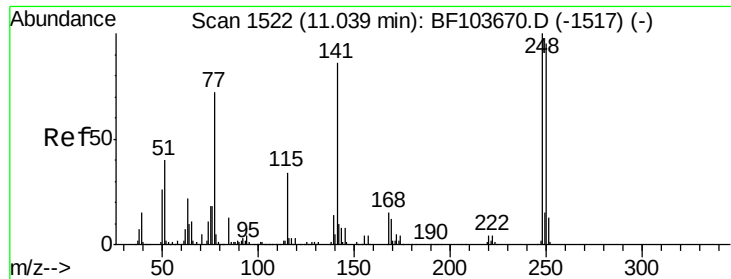
#64
4,6-Dinitro-2-methylphenol
Concen: 8.617 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Tgt Ion:198 Resp: 1007
Ion Ratio Lower Upper
198 100
51 132.8 37.7 77.7#
105 218.5 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

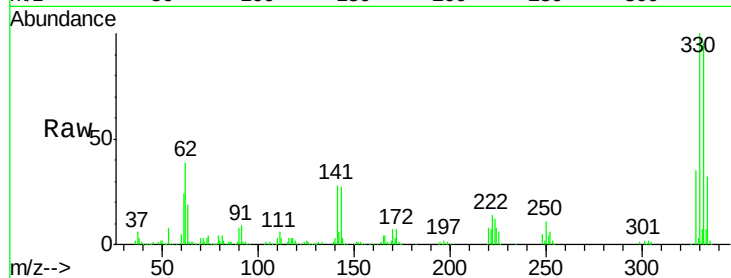




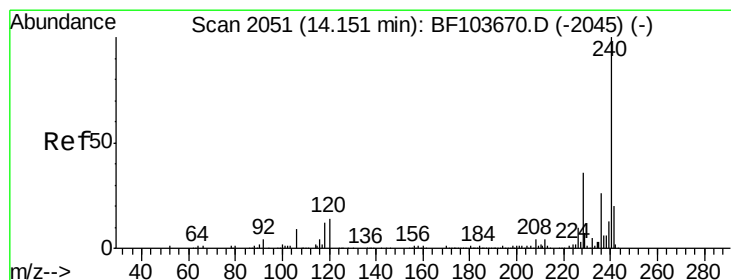
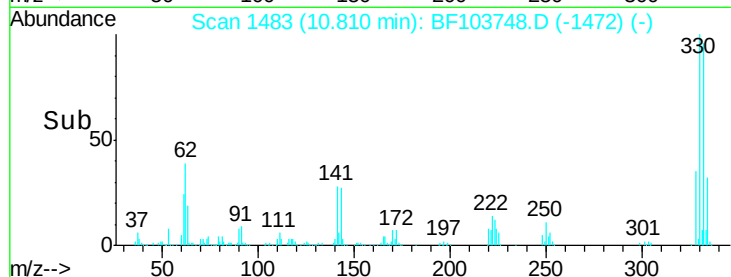
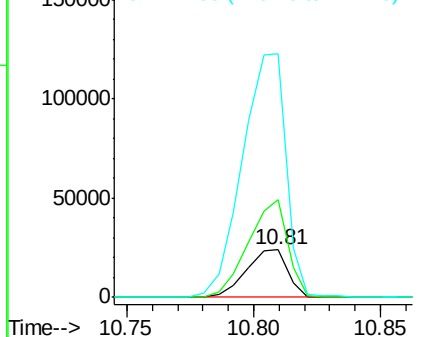
#66
4-Bromophenyl-phenylether
Concen: 4.440 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 27502
Ion Ratio Lower Upper
248 100
250 204.6 76.9 115.3#
141 512.2 74.4 111.6#

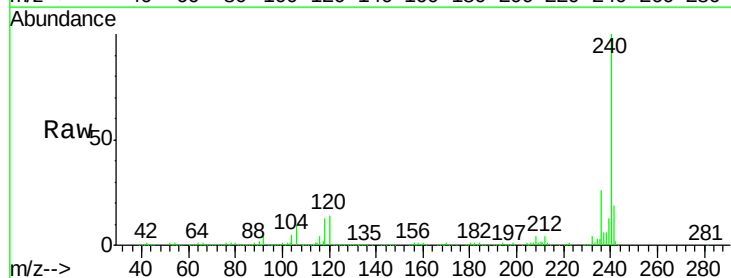


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

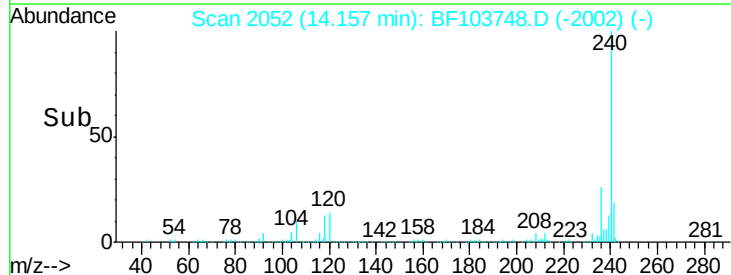
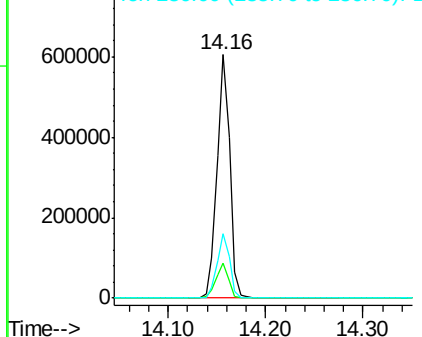


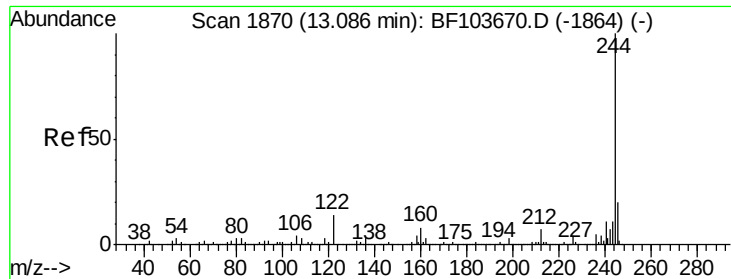
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF103748.D
Acq: 19 Mar 2018 11:16

Tgt Ion:240 Resp: 548051
Ion Ratio Lower Upper
240 100
120 14.2 9.5 14.3
236 26.2 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

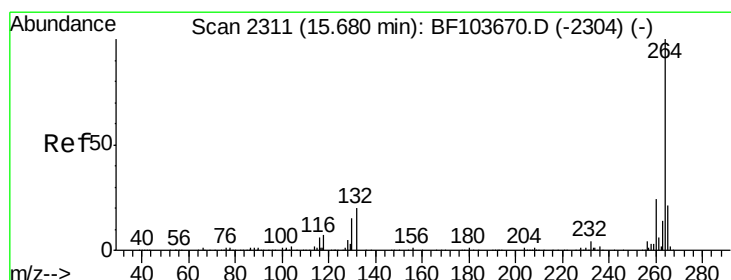
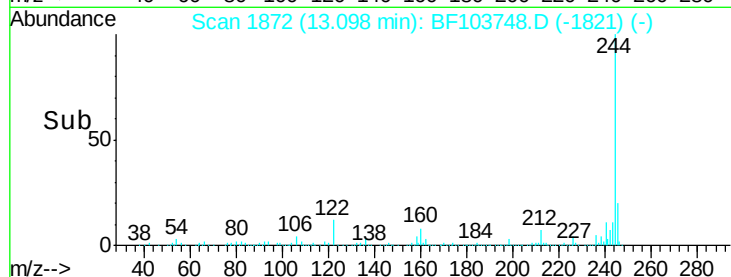
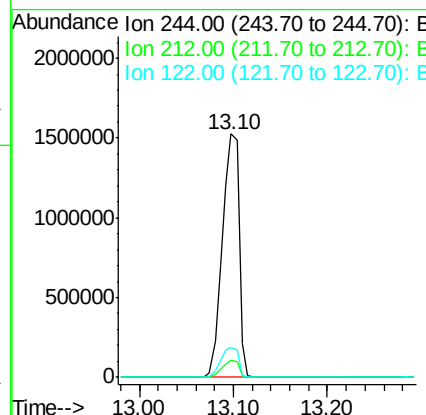
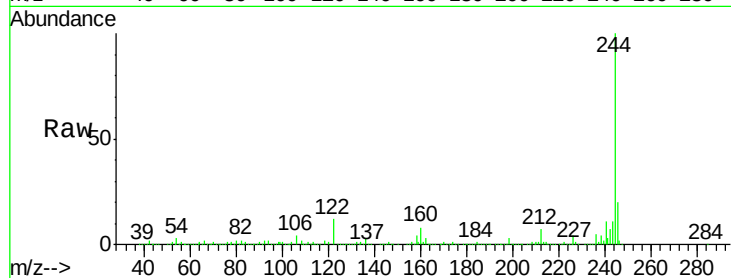




#78
 Terphenyl-d14
 Concen: 81.090 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103748.D
 Acq: 19 Mar 2018 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1914644
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 12.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.01 min
 Lab File: BF103748.D
 Acq: 19 Mar 2018 11:16

Tgt Ion:264 Resp: 497957
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.3 17.5 26.3

