

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100603.D
 Acq On : 15 Nov 2017 22:56
 Operator : SJ/JU
 Sample : I6426-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:38:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

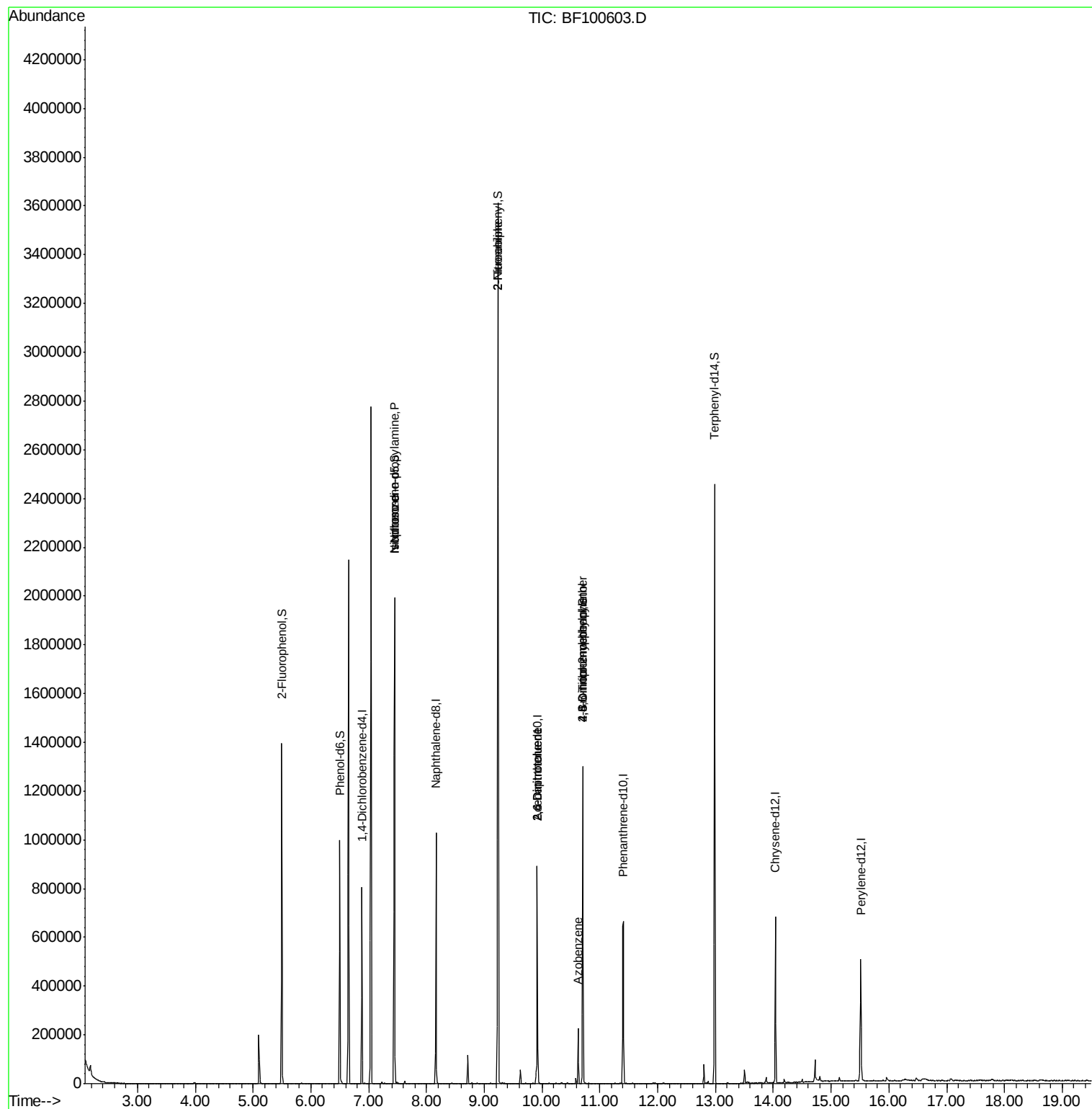
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	115586	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	423879	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	164772	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	247569	20.00	ng	0.00
75) Chrysene-d12	14.04	240	227866	20.00	ng	-0.01
86) Perylene-d12	15.51	264	232622	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	366179	50.78	ng	0.00
7) Phenol-d6	6.50	99	280582	31.56	ng	-0.02
23) Nitrobenzene-d5	7.45	82	741438	115.64	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	155274	92.48	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1259496	116.39	ng	0.00
78) Terphenyl-d14	12.99	244	766904	77.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	97687	15.84	ng	# 81
25) Isophorone	7.45	82	741187	55.01	ng	# 64
47) 2-Nitroaniline	9.24	65	1749	3.32	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	20849	8.37	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	20849	6.64	ng	# 23
62) Azobenzene	10.63	77	33727	2.84	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	190	8.69	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	9606	3.62	ng	# 1

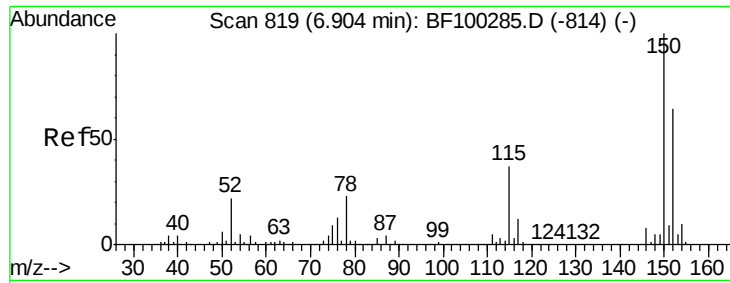
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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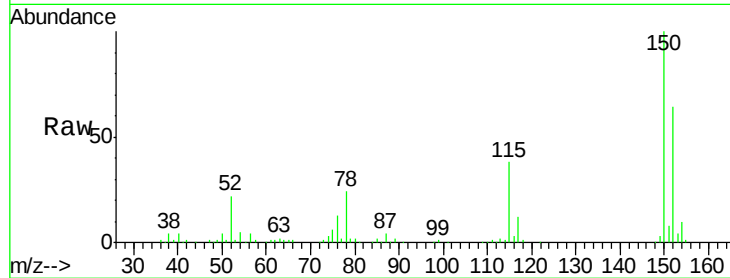


#1

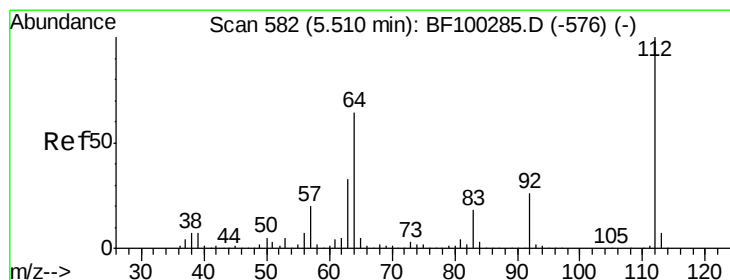
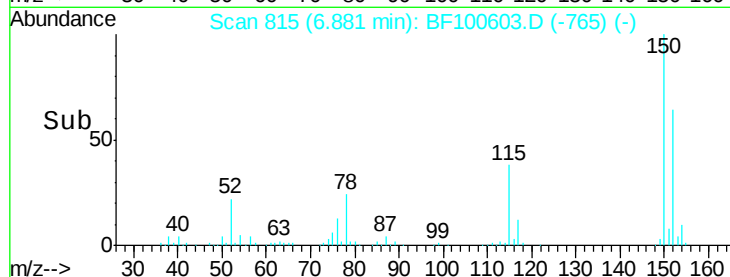
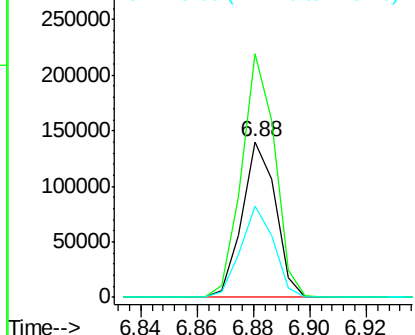
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100603.D
Acq: 15 Nov 2017 22:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115586
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 59.0 50.1 75.1



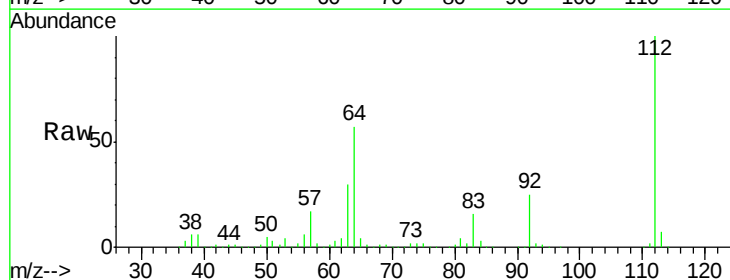
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



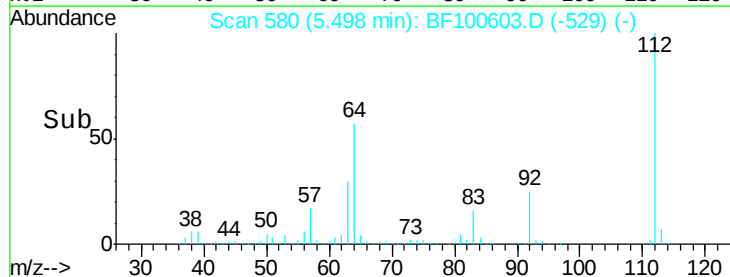
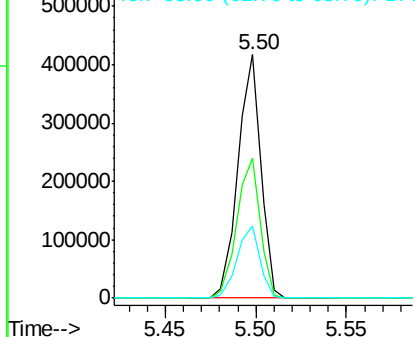
#5

2-Fluorophenol
Concen: 50.78 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF100603.D
Acq: 15 Nov 2017 22:56

Tgt Ion:112 Resp: 366179
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 29.9 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: 31.56 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

Instrument :

BNA_F

ClientSampled :

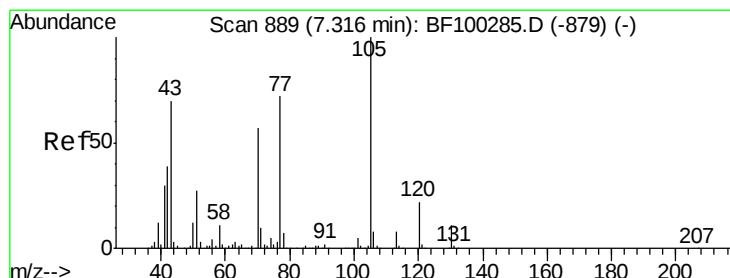
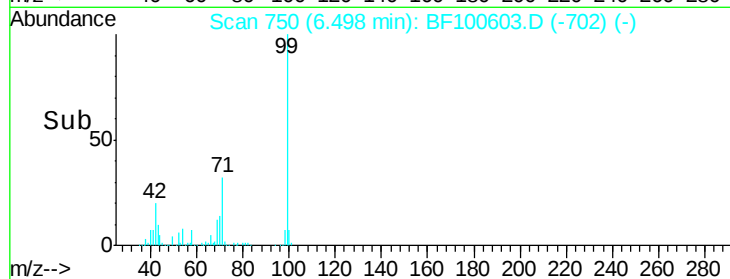
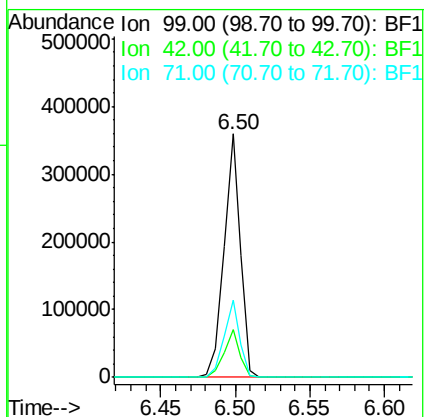
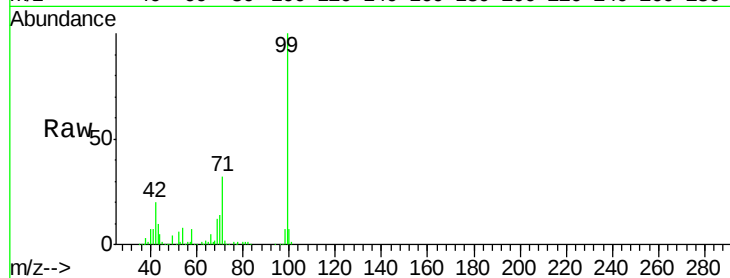
Tot Ion: 99 Resp: 280582

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.84 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

Tgt Ion: 70 Resp: 97687

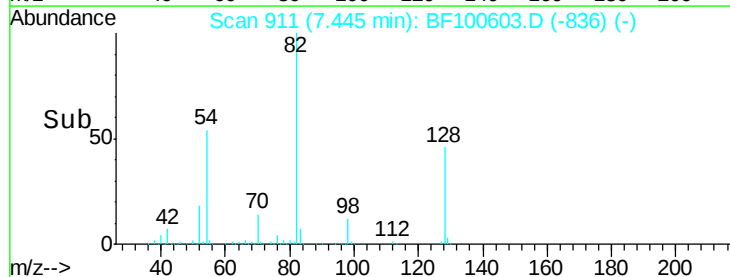
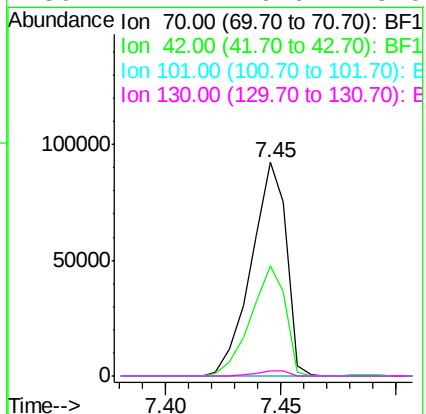
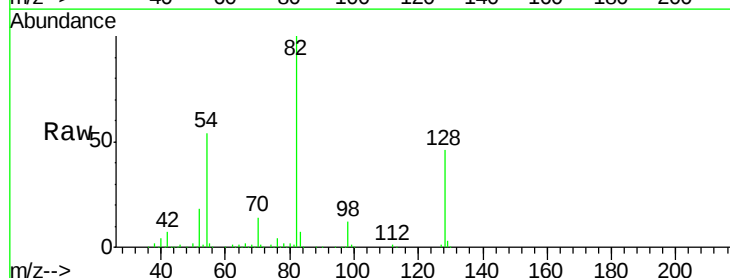
Ion Ratio Lower Upper

70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

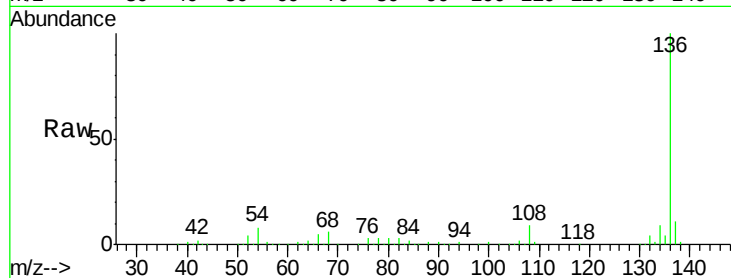




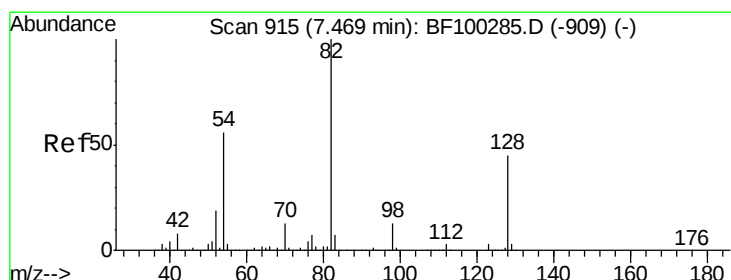
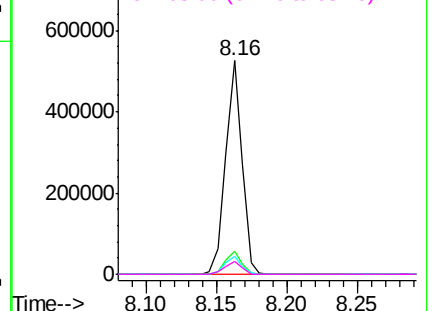
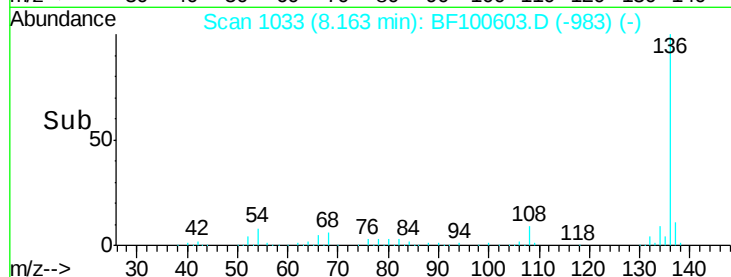
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100603.D
Acq: 15 Nov 2017 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	423879
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	8.5	6.6 9.8
68	6.2	5.0 7.4

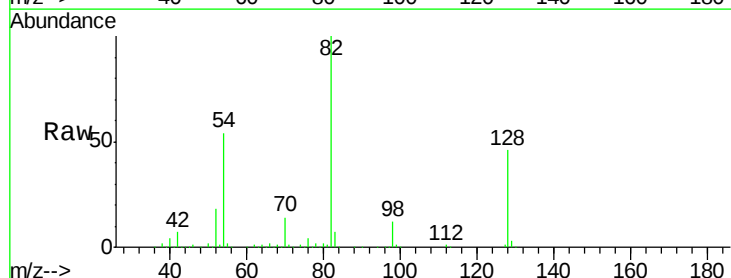


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

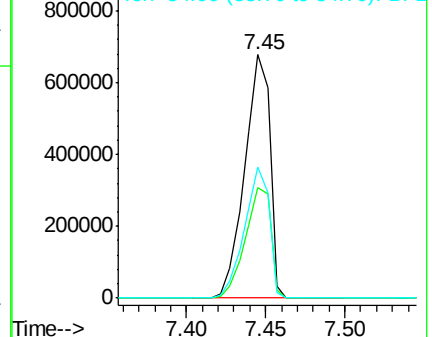
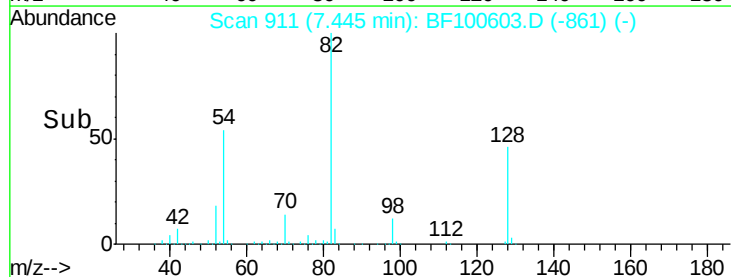


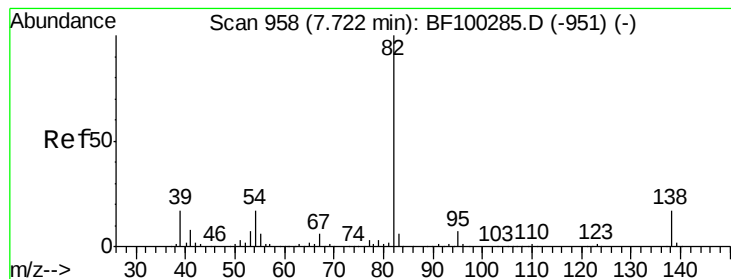
#23
Nitrobenzene-d5
Concen: 115.64 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100603.D
Acq: 15 Nov 2017 22:56

Tgt Ion: 82	Resp:	741438
Ion Ratio	Lower	Upper
82	100	
128	45.5	36.1 54.1
54	54.0	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: 55.01 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

Instrument :

BNA_F

ClientSampleId :

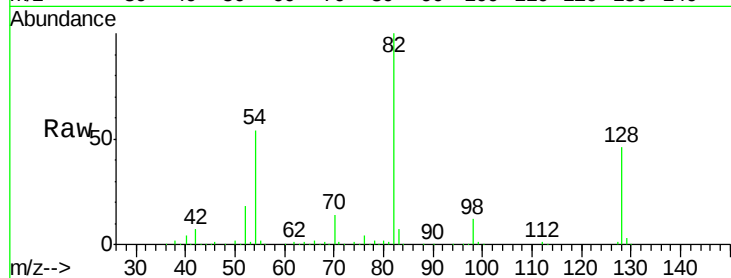
Tot Ion: 82 Resp: 741187

Ion Ratio Lower Upper

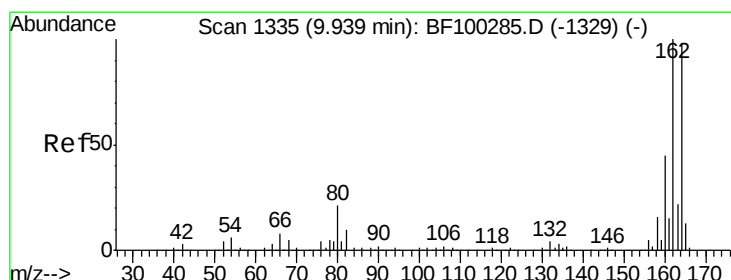
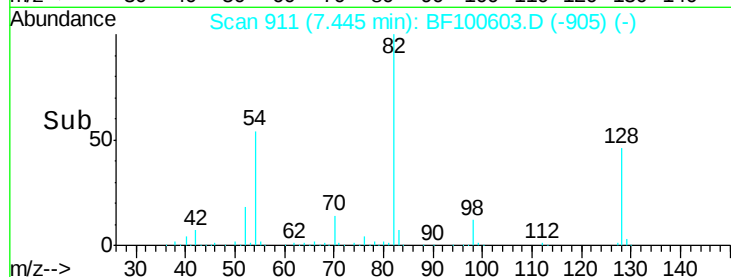
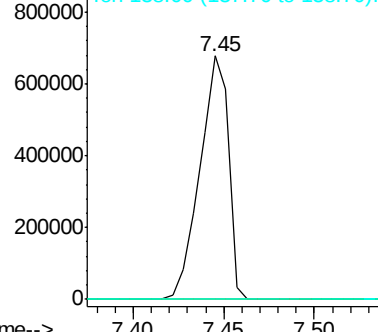
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

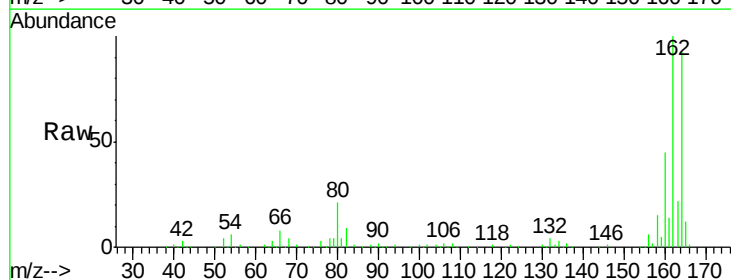
Tgt Ion: 164 Resp: 164772

Ion Ratio Lower Upper

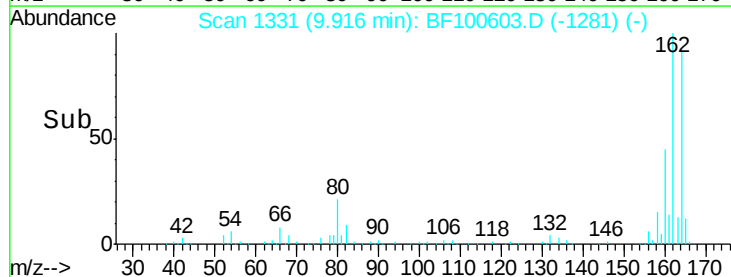
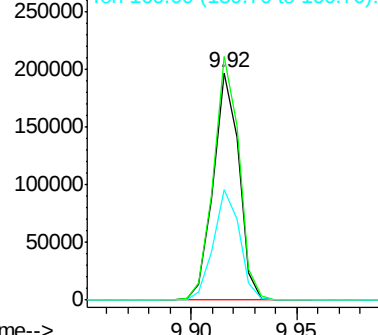
164 100

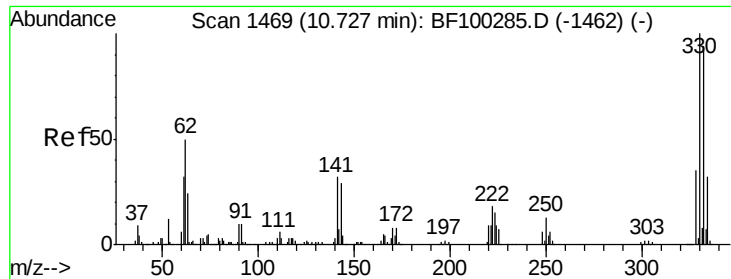
162 107.2 86.1 129.1

160 48.5 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

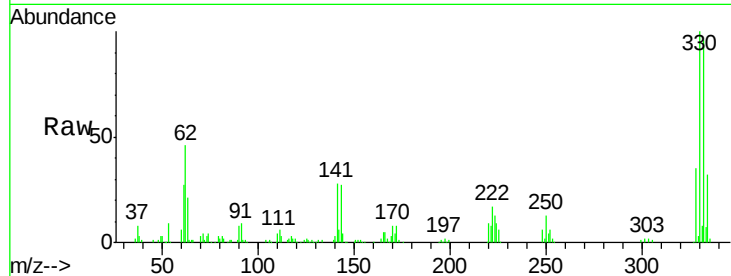




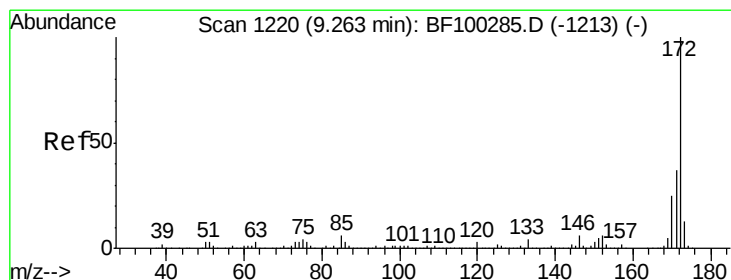
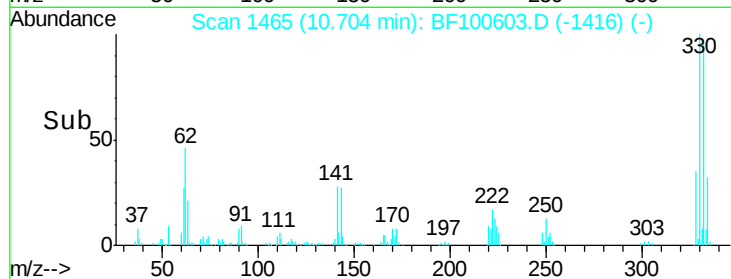
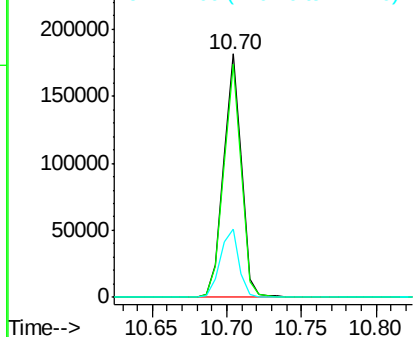
#41
 2,4,6-Tribromophenol
 Concen: 92.48 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100603.D
 Acq: 15 Nov 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 155274
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 29.2 29.9 44.9#

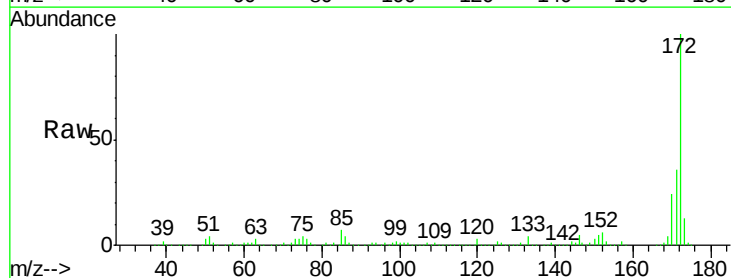


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

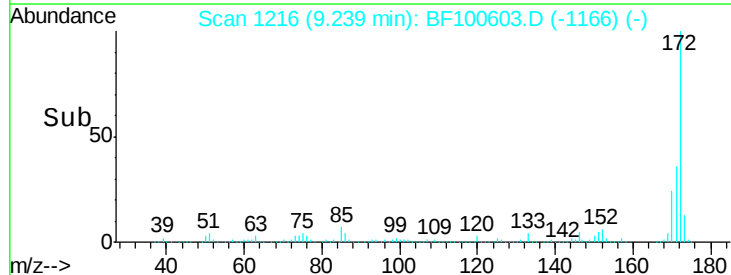
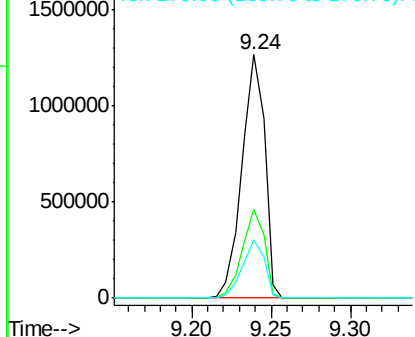


#44
 2-Fluorobiphenyl
 Concen: 116.39 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100603.D
 Acq: 15 Nov 2017 22:56

Tgt Ion:172 Resp: 1259496
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.8 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: 3.32 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.22 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

Instrument :

BNA_F

ClientSampleId :

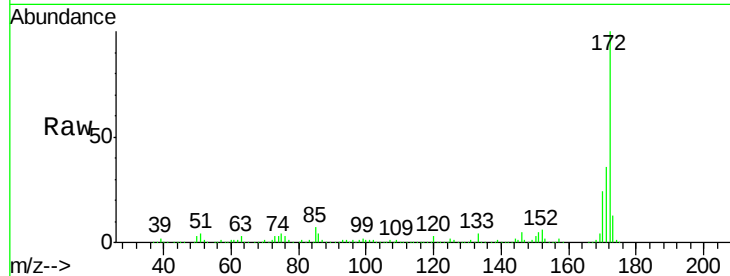
Tot Ion: 65 Resp: 1749

Ion Ratio Lower Upper

65 100

92 218.9 55.8 83.6#

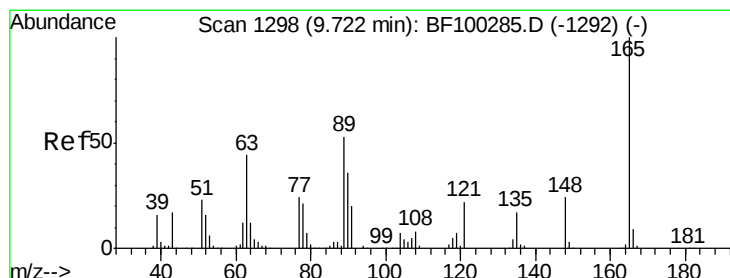
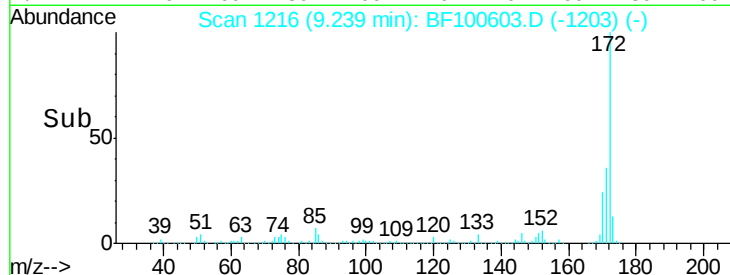
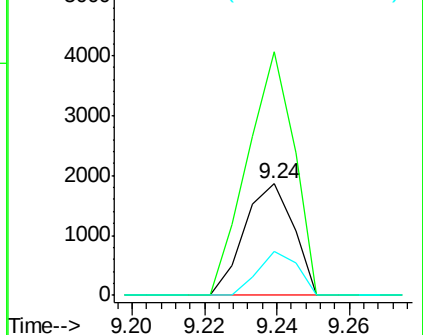
138 39.3 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.37 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

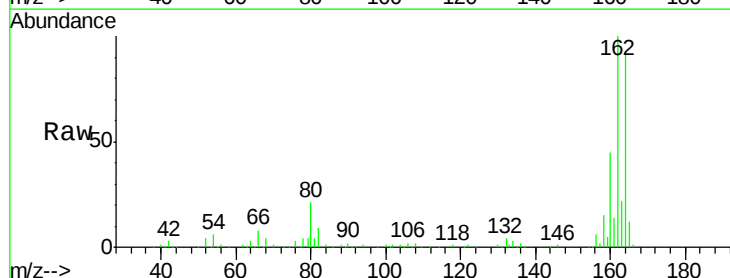
Tgt Ion: 165 Resp: 20849

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

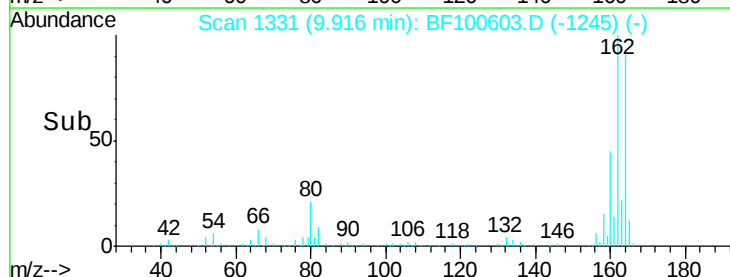
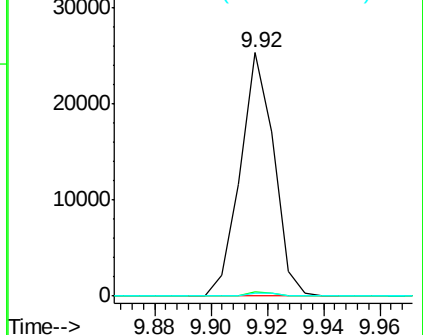
89 1.2 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

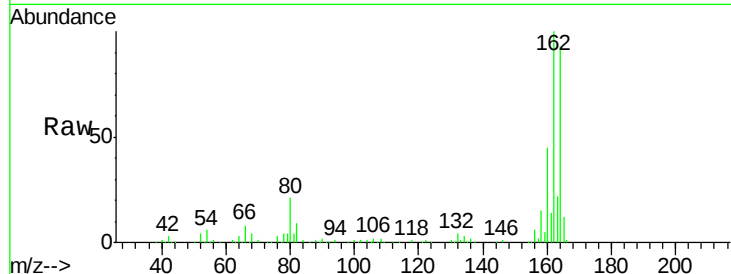




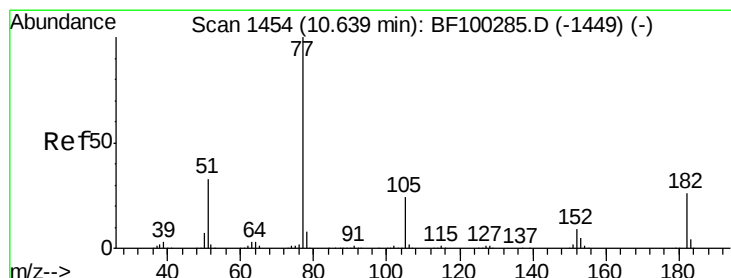
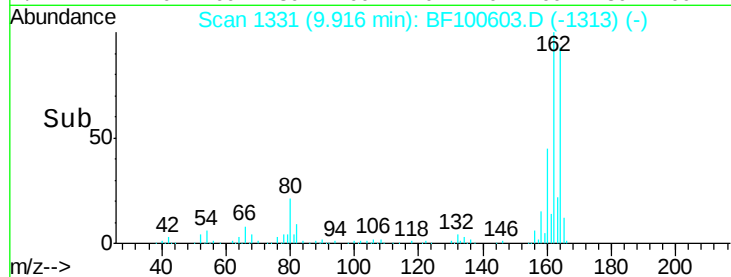
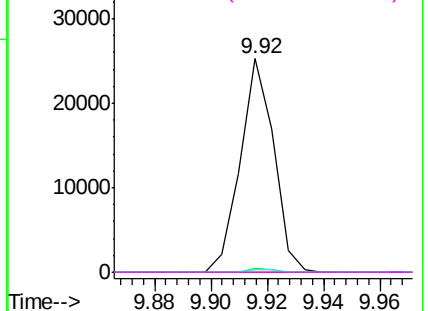
#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100603.D
 Acq: 15 Nov 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	20849
Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

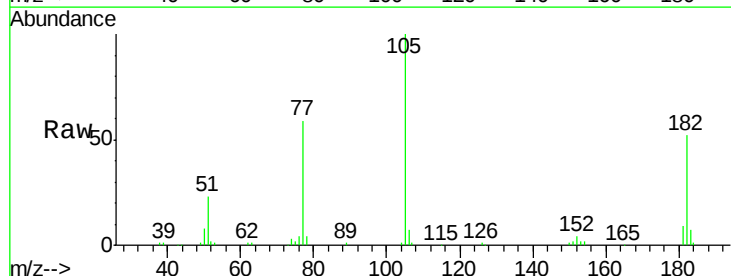


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

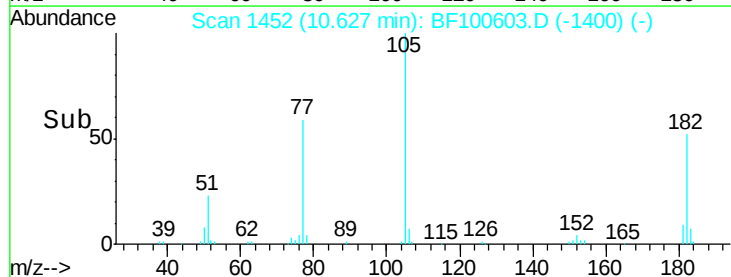
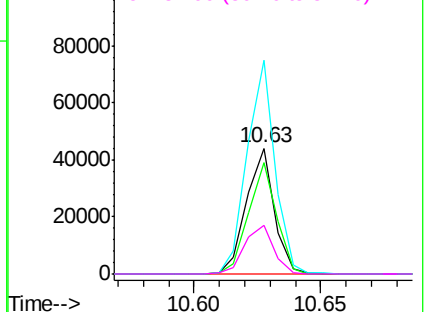


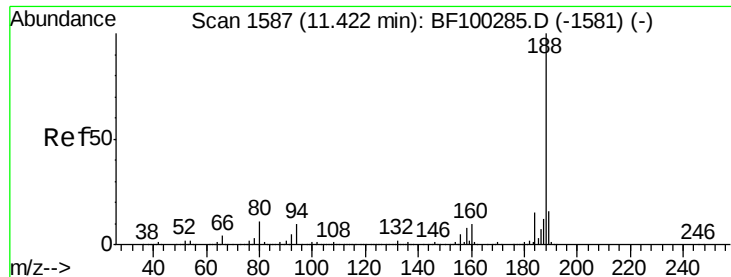
#62
 Azobenzene
 Concen: 2.84 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100603.D
 Acq: 15 Nov 2017 22:56

Tgt Ion:	77	Resp:	33727
Ion	Ratio	Lower	Upper
77	100		
182	88.5	1.7	41.7#
105	170.2	3.0	43.0#
51	39.1	9.9	49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 182.00 (181.70 to 182.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

Instrument :

BNA_F

ClientSampleId :

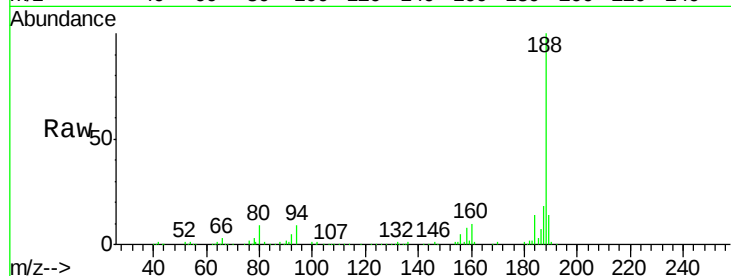
Tot Ion:188 Resp: 247569

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

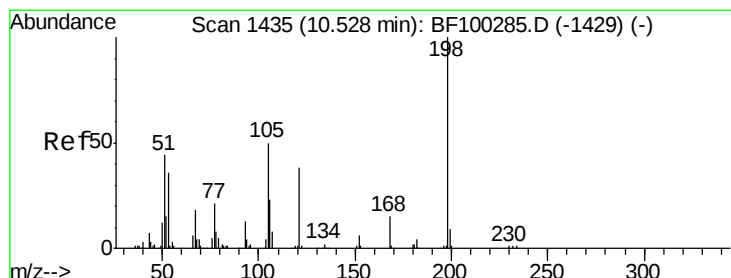
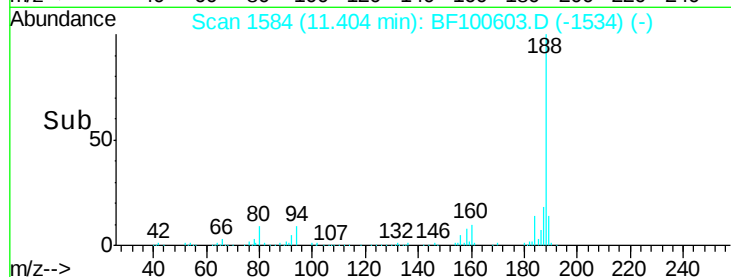
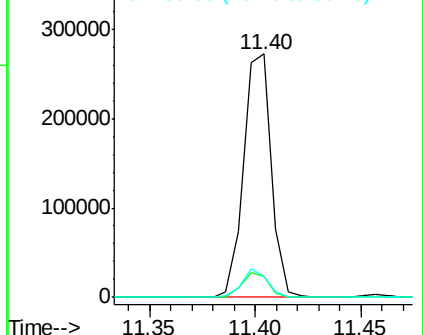
80 8.6 9.2 13.8#



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: 8.69 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF100603.D

Acq: 15 Nov 2017 22:56

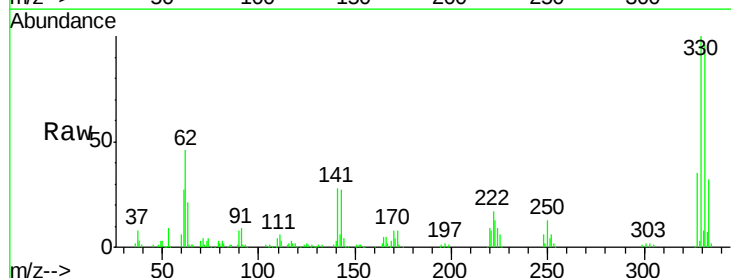
Tgt Ion:198 Resp: 190

Ion Ratio Lower Upper

198 100

51 128.9 37.7 77.7#

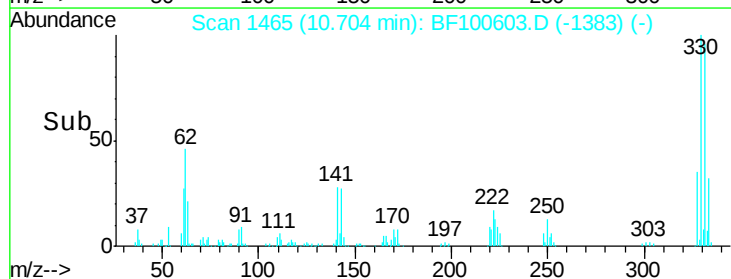
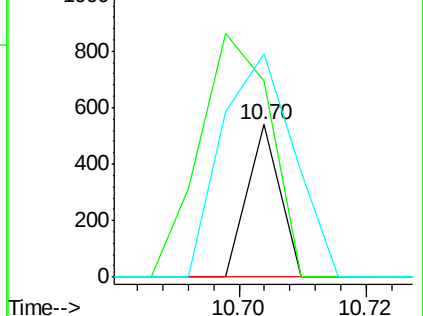
105 146.2 36.3 76.3#

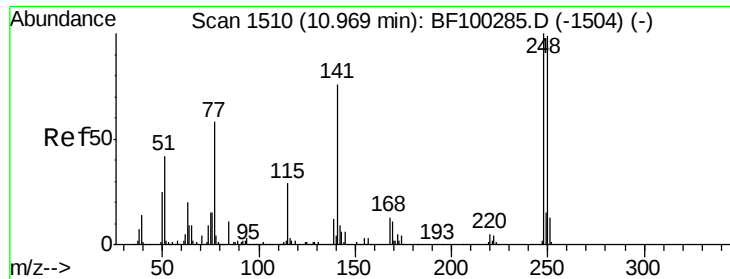


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

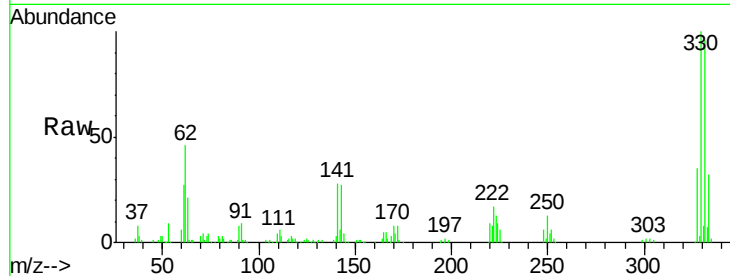




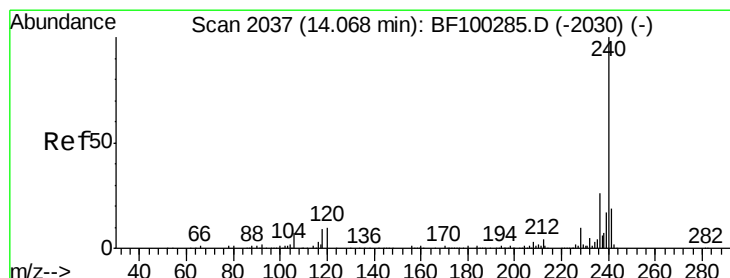
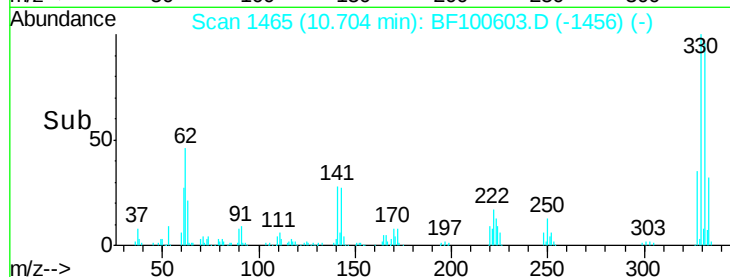
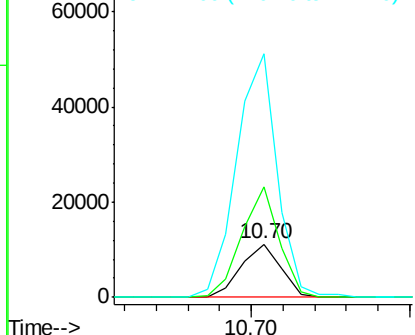
#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100603.D
Acq: 15 Nov 2017 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9606
Ion Ratio Lower Upper
248 100
250 207.7 76.9 115.3#
141 460.4 74.4 111.6#

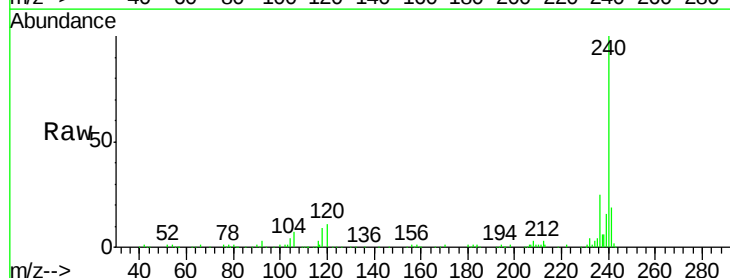


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

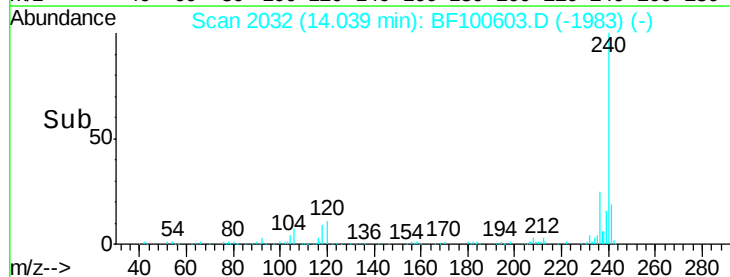
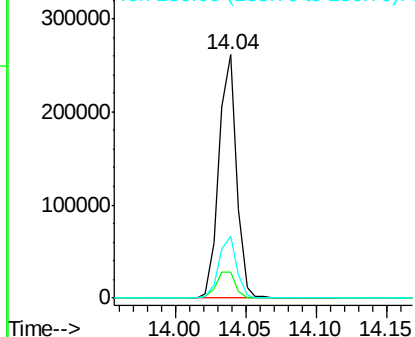


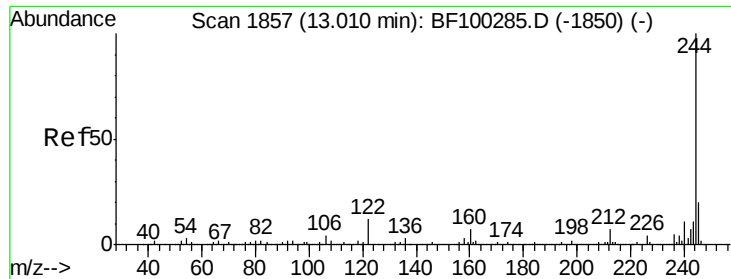
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100603.D
Acq: 15 Nov 2017 22:56

Tgt Ion:240 Resp: 227866
Ion Ratio Lower Upper
240 100
120 10.5 9.5 14.3
236 25.3 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

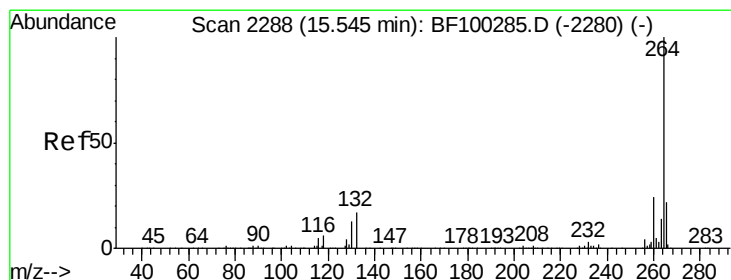
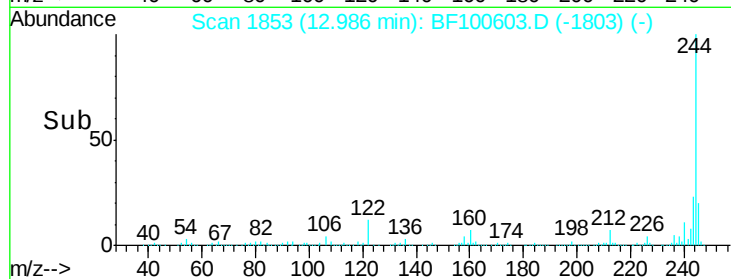
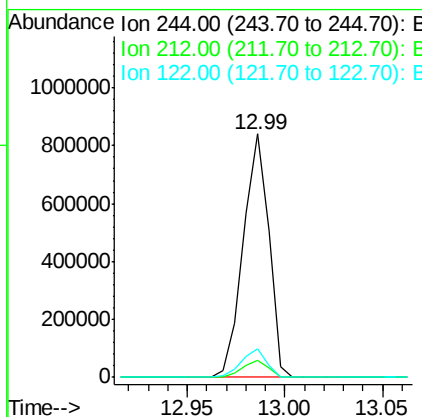
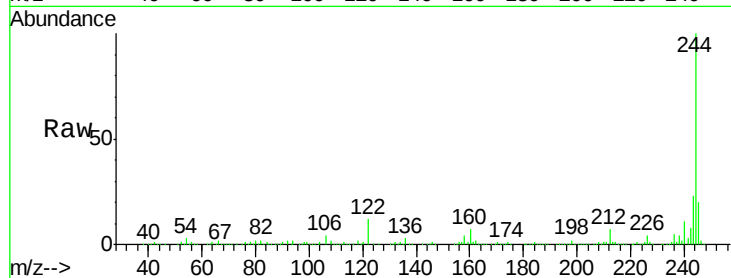




#78
 Terphenyl-d14
 Concen: 77.33 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF100603.D
 Acq: 15 Nov 2017 22:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 766904
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF100603.D
 Acq: 15 Nov 2017 22:56

Tgt Ion:264 Resp: 232622
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.6 17.5 26.3

