

Data File : BF100503.D
Acq On : 13 Nov 2017 15:29
Operator : SJ/JU
Sample : I6301-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-110917-02-FREEZE-PIT

Quant Time: Nov 14 00:45:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 13 14:08:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	88337	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	340945	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	156878	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	260199	20.00	ng	0.00
75) Chrysene-d12	14.05	240	187496	20.00	ng	0.00
86) Perylene-d12	15.53	264	160185	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	508051	92.19	ng	0.00
7) Phenol-d6	6.52	99	615652	90.60	ng	0.00
23) Nitrobenzene-d5	7.45	82	389758	75.58	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	164974	103.20	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	715904	69.49	ng	0.00
78) Terphenyl-d14	13.00	244	481313	58.98	ng	0.00

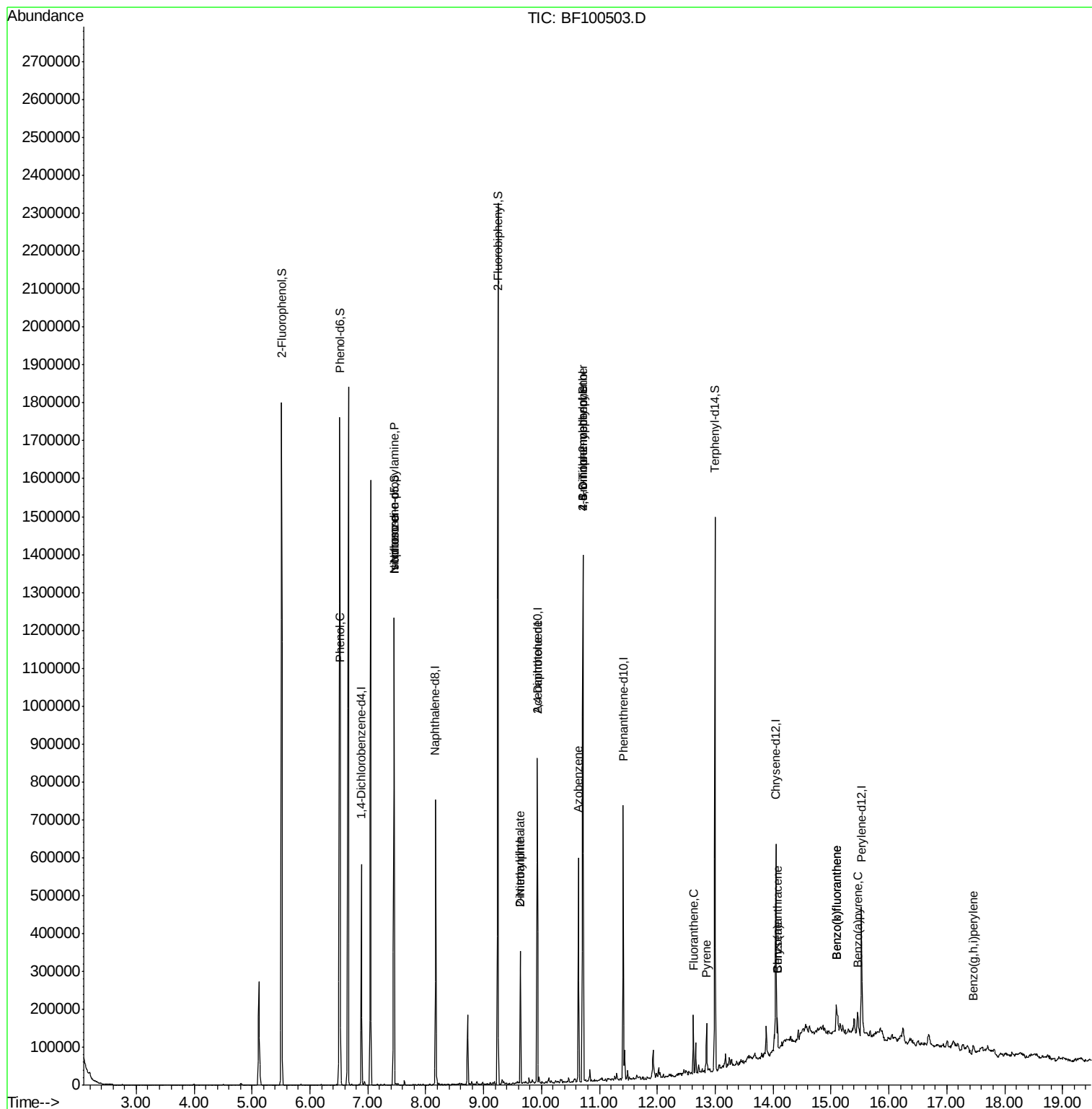
Target Compounds						Qvalue
10) Phenol	6.53	94	24884	3.49	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	51579	10.94	ng	# 83
25) Isophorone	7.45	82	389752	35.97	ng	# 64
47) 2-Nitroaniline	9.63	65	1351	3.22	ng	# 1
49) Dimethylphthalate	9.63	163	130765	10.92	ng	99
56) 2,4-Dinitrotoluene	9.93	165	19989	6.68	ng	# 23
62) Azobenzene	10.64	77	90808	8.04	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	185	8.69	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	9981	3.58	ng	# 1
74) Fluoranthene	12.62	202	55298	3.81	ng	96
77) Pyrene	12.85	202	50744	3.80	ng	98
80) Benzo(a)anthracene	14.07	228	33460	2.96	ng	95
82) Chrysene	14.07	228	33460	3.06	ng	97
87) Benzo(b)fluoranthene	15.09	252	51971	5.48	ng	# 89
88) Benzo(k)fluoranthene	15.09	252	51971	5.80	ng	# 92
89) Benzo(a)pyrene	15.46	252	27909	3.32	ng	98
91) Benzo(g,h,i)perylene	17.46	276	14750	2.19	ng	95

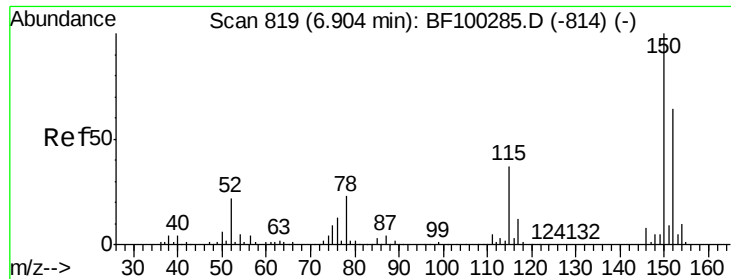
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 8 Sample Multiplier: 1

MH-110917-02-FREEZE-PIT

Response via : Initial Calibration



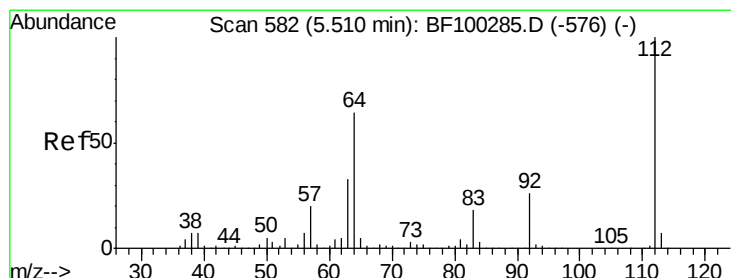
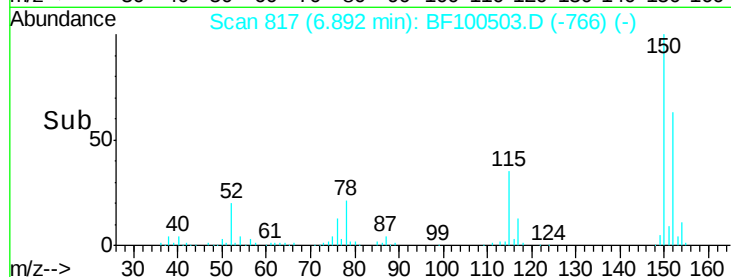
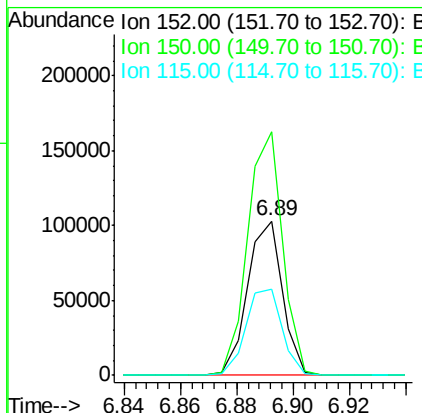
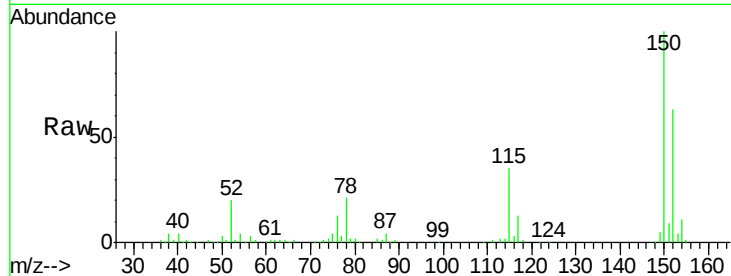


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

Instrument :
BNA_F
ClientSampleId :
MH-110917-02-FREEZE-PIT

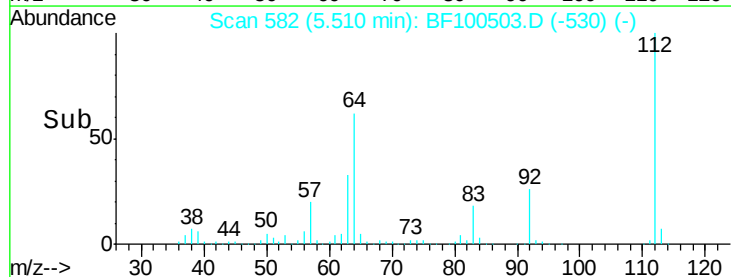
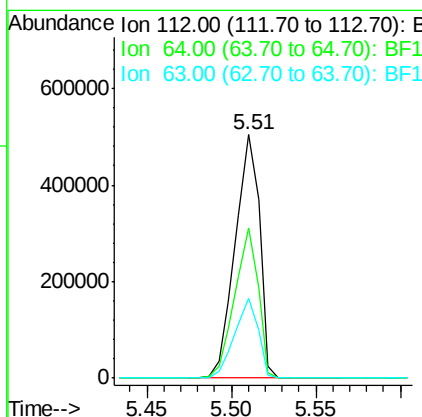
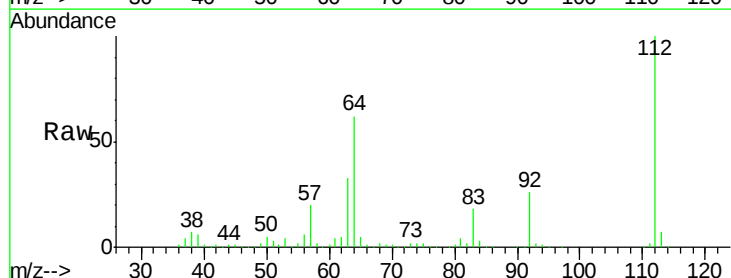
Tgt Ion:152 Resp: 88337
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 56.1 50.1 75.1

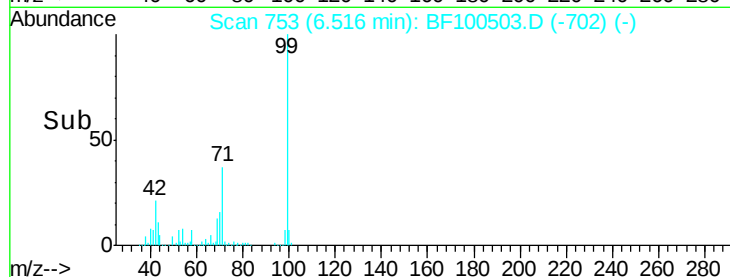
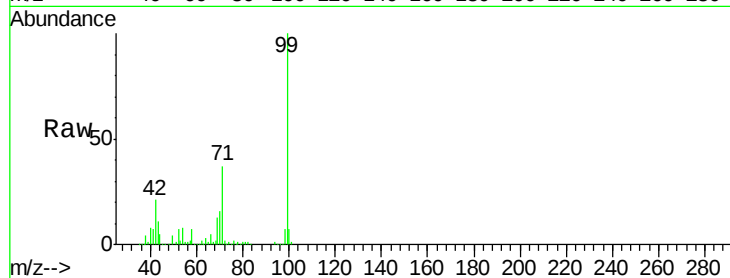
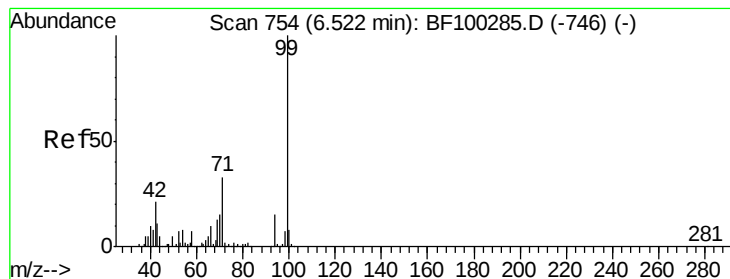


#5

2-Fluorophenol
Concen: 92.19 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

Tgt Ion:112 Resp: 508051
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 90.60 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

MH-110917-02-FREEZE-PIT

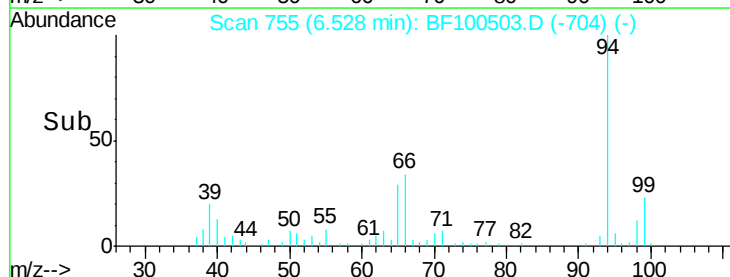
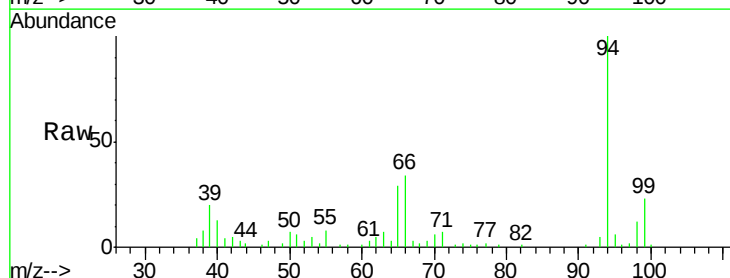
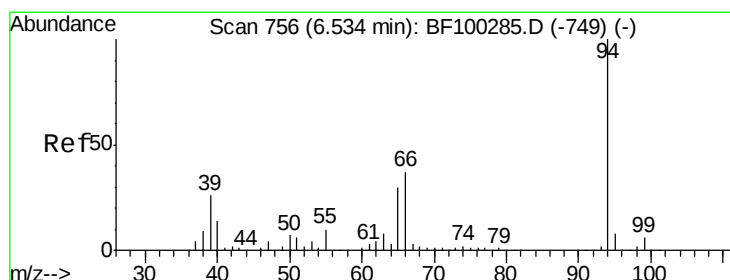
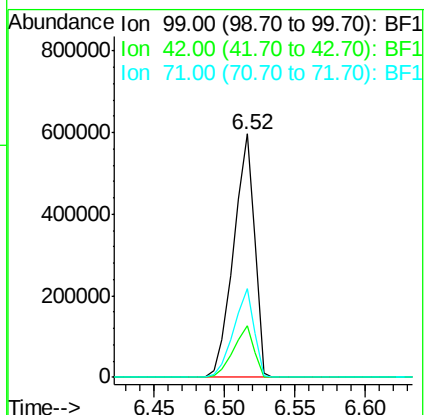
Tgt Ion: 99 Resp: 615652

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

71 36.6 25.4 38.0



#10

Phenol

Concen: 3.49 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

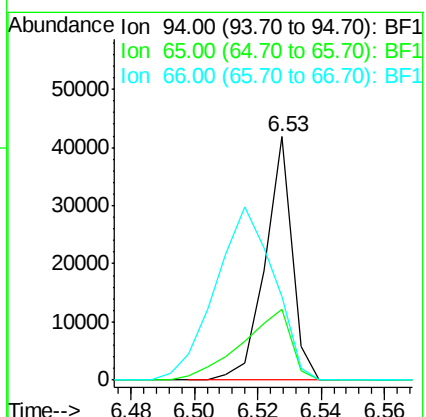
Tgt Ion: 94 Resp: 24884

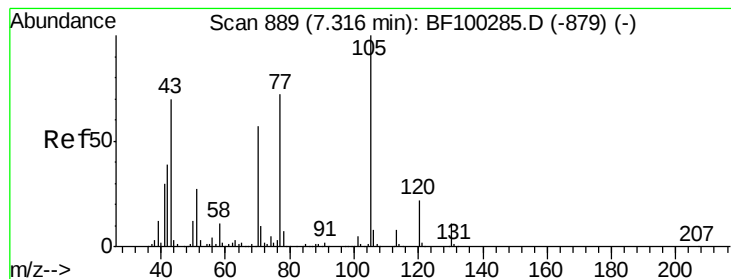
Ion Ratio Lower Upper

94 100

65 28.9 7.9 47.9

66 34.5 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.94 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

MH-110917-02-FREEZE-PIT

Tgt Ion: 70 Resp: 51579

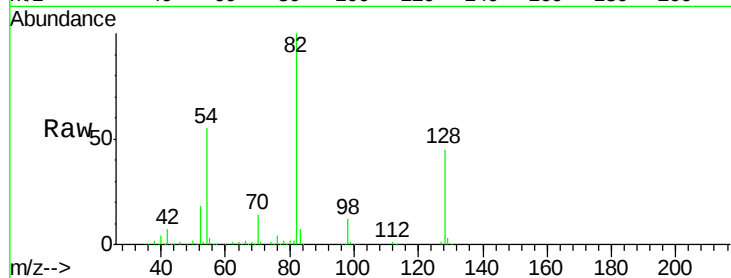
Ion Ratio Lower Upper

70 100

42 53.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



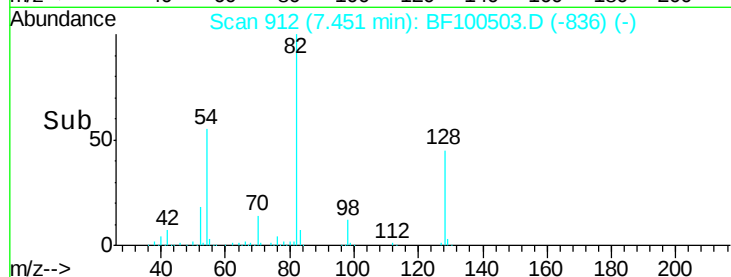
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

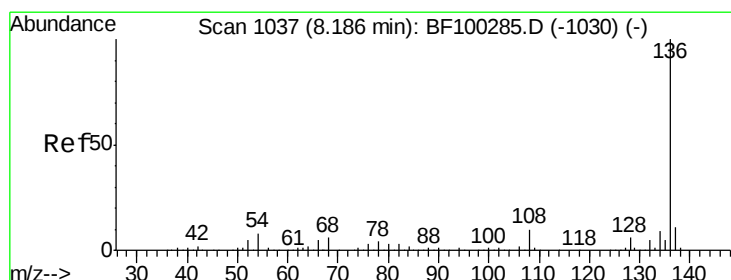
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Tgt Ion: 136 Resp: 340945

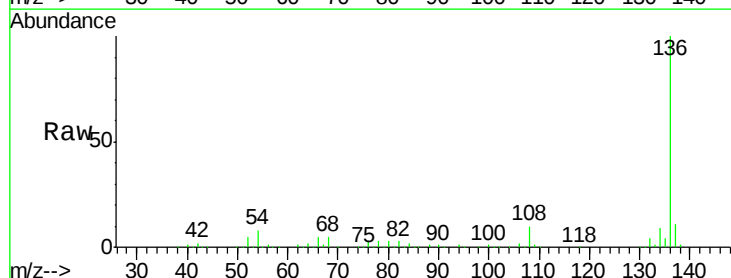
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.3 6.6 9.8

68 5.4 5.0 7.4



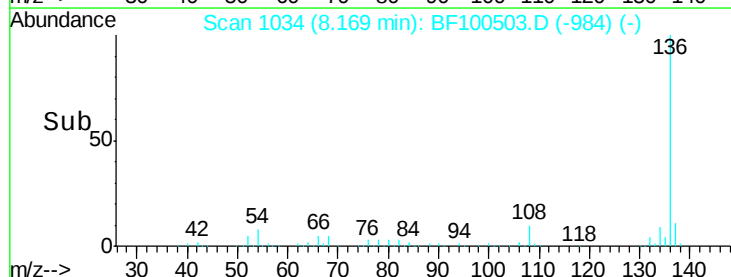
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

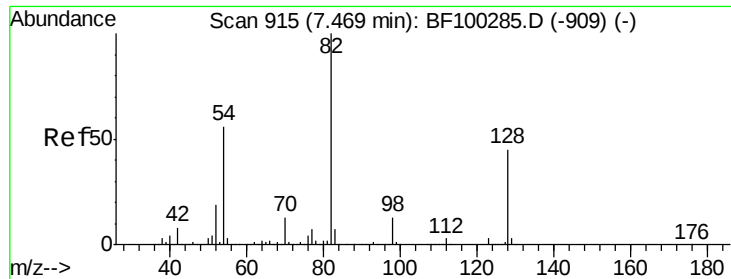
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



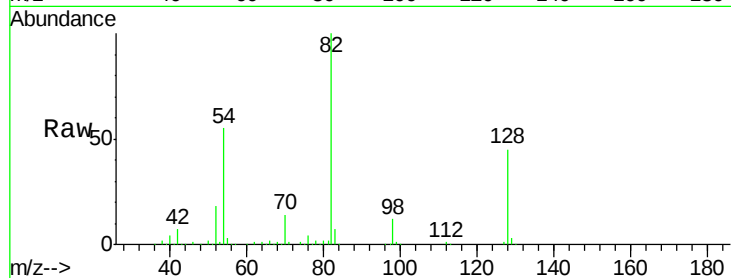
Time-->



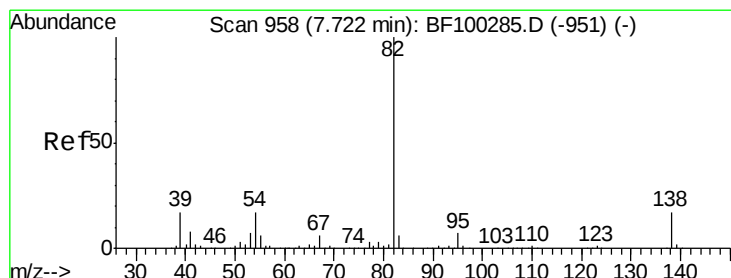
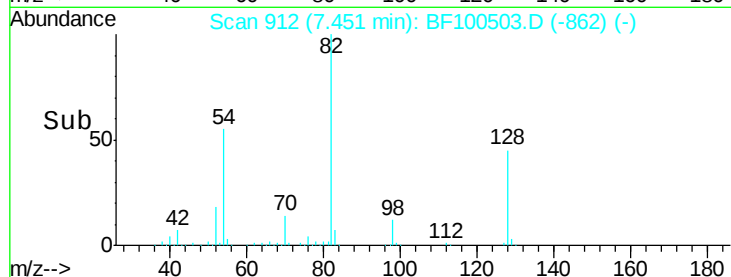
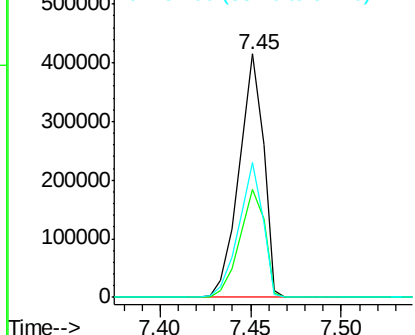
#23
Nitrobenzene-d5
Concen: 75.58 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

Instrument :
BNA_F
ClientSampleId :
MH-110917-02-FREEZE-PIT

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	55.2	41.4	62.2

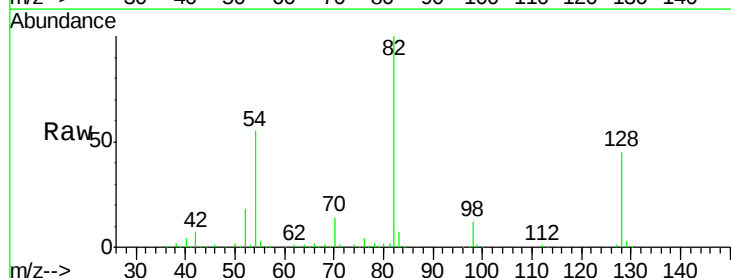


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

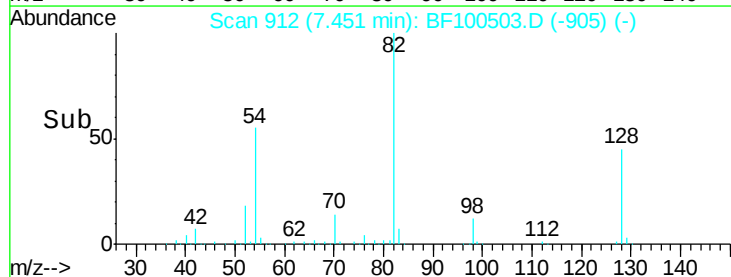
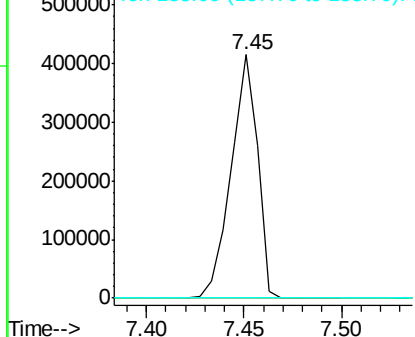


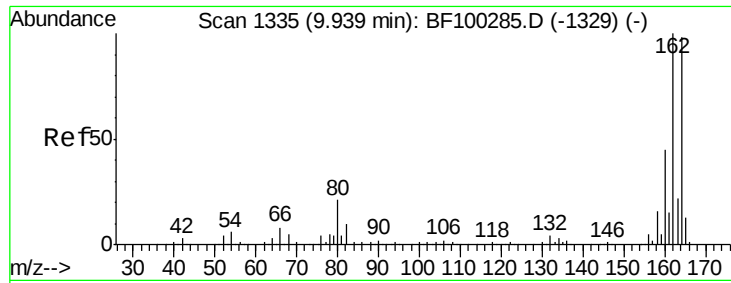
#25
Isophorone
Concen: 35.97 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

Tgt 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

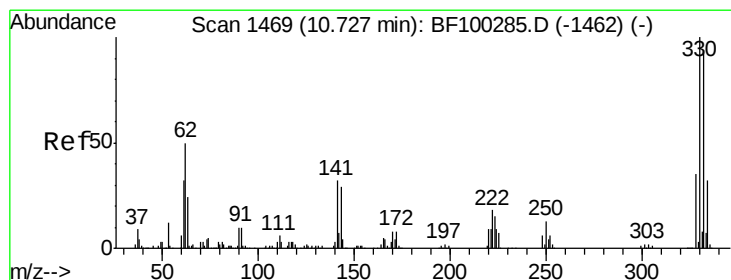
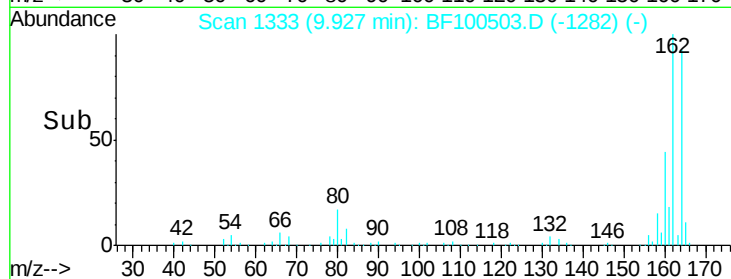
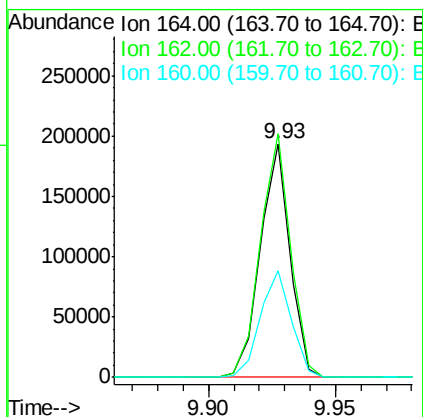
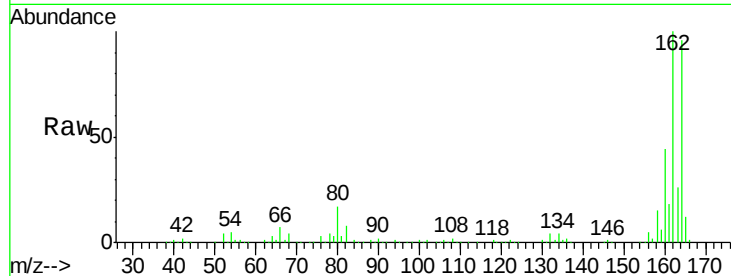




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

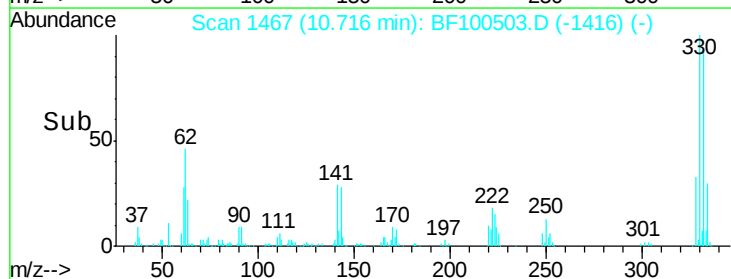
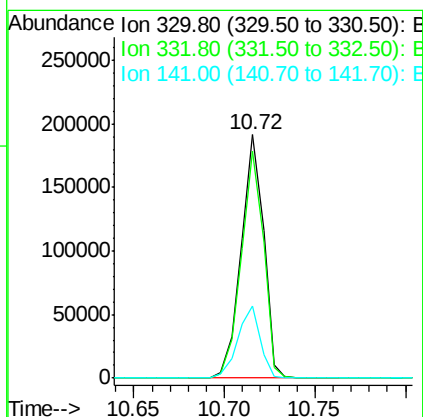
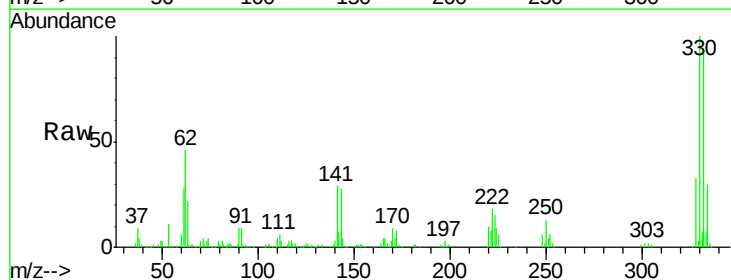
Instrument :
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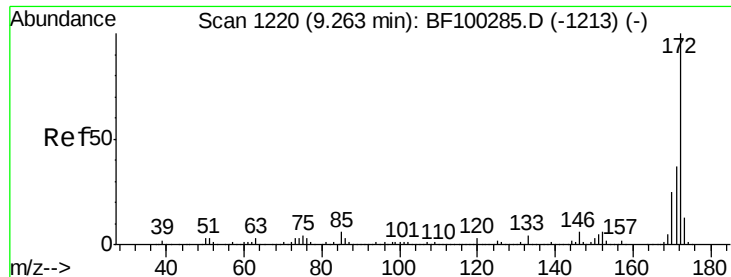
Tgt Ion:164 Resp: 156878
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 45.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 103.20 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

Tgt Ion:330 Resp: 164974
 Ion Ratio Lower Upper
 330 100
 332 92.6 77.0 115.6
 141 29.4 29.9 44.9#

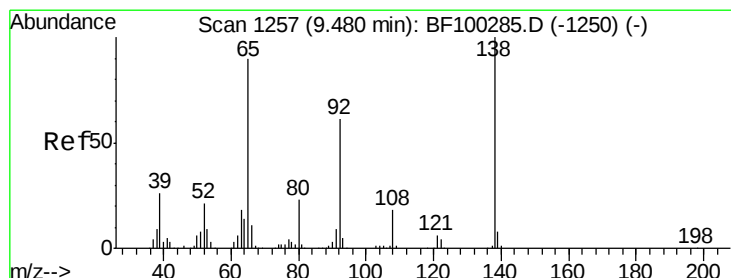
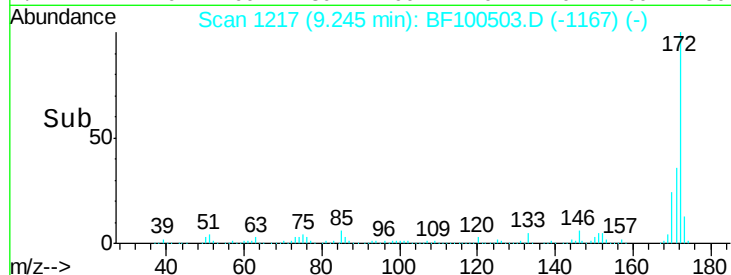
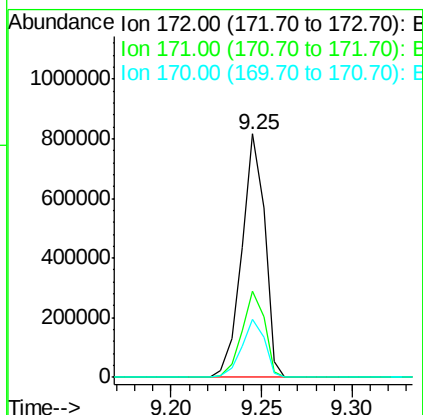
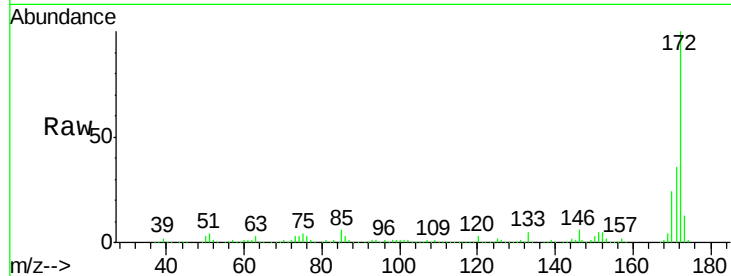




#44
 2-Fluorobiphenyl
 Concen: 69.49 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

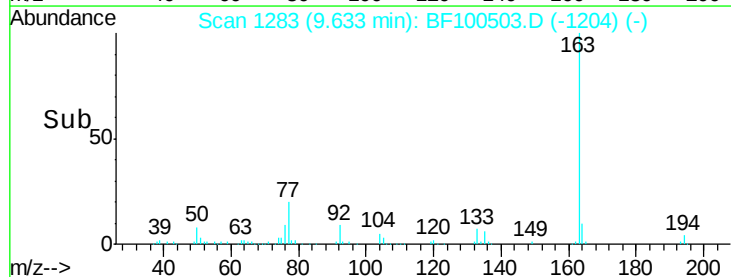
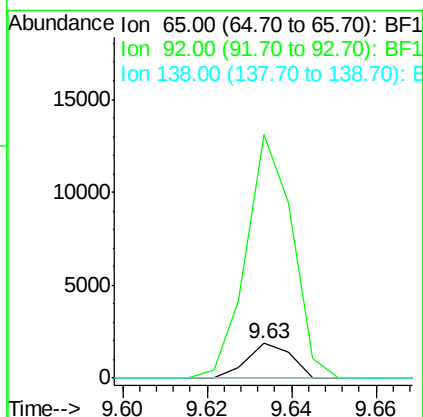
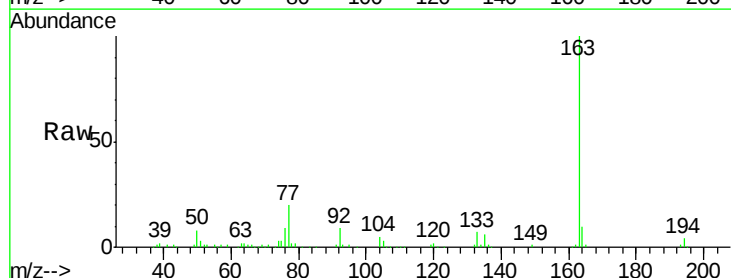
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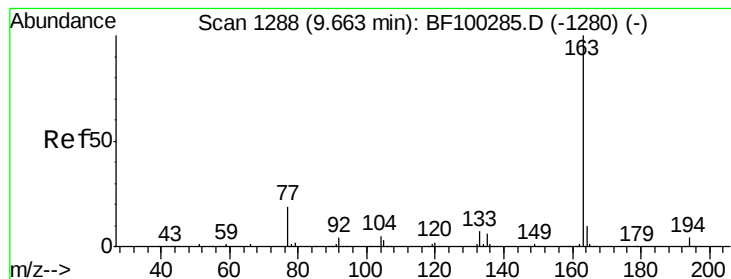
Tgt Ion: 172 Resp: 715904
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.9 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.22 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. 0.16 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

Tgt Ion: 65 Resp: 1351
 Ion Ratio Lower Upper
 65 100
 92 704.3 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 10.92 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

MH-110917-02-FREEZE-PIT

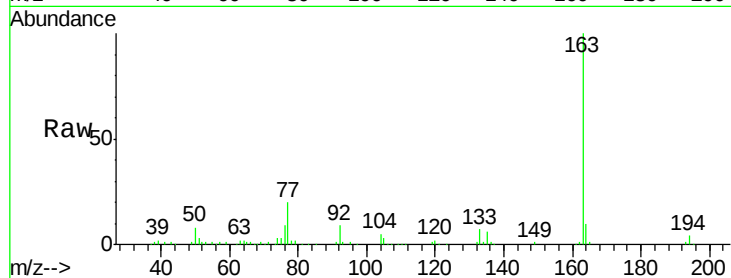
Tgt Ion:163 Resp: 130765

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

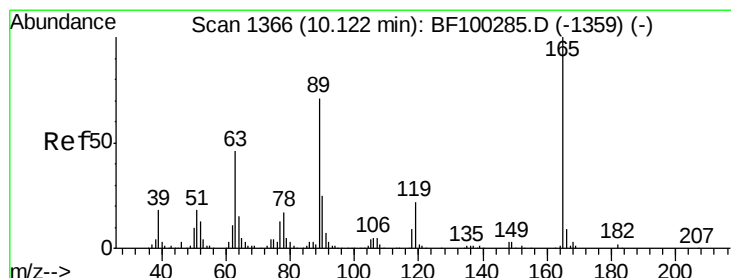
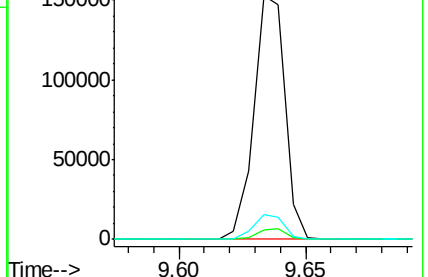
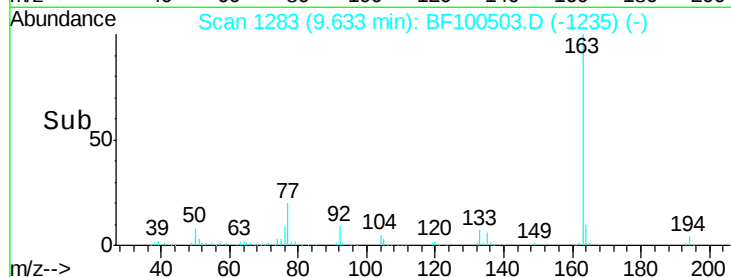
164 10.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.68 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Tgt Ion:165 Resp: 19989

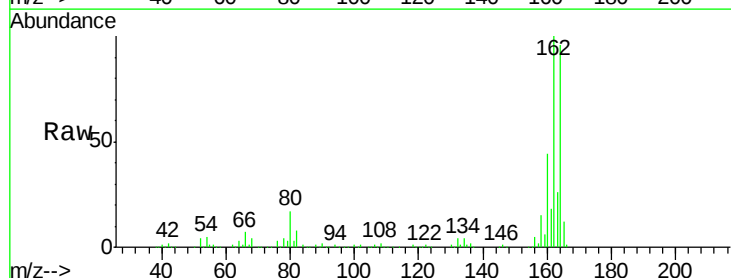
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

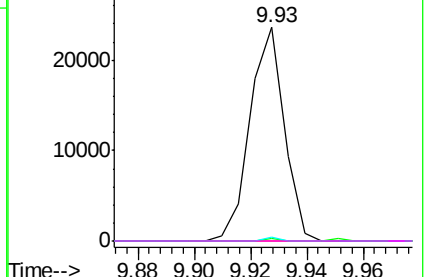
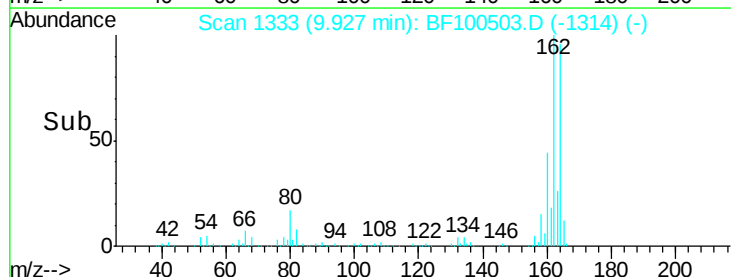


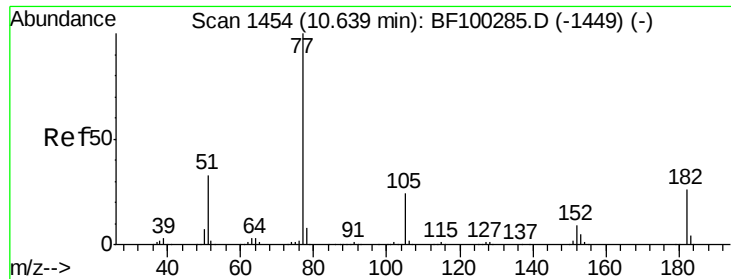
Abundance Ion 165.00 (164.70 to 165.70): E

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: 8.04 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

MH-110917-02-FREEZE-PIT

Tgt Ion: 77 Resp: 90808

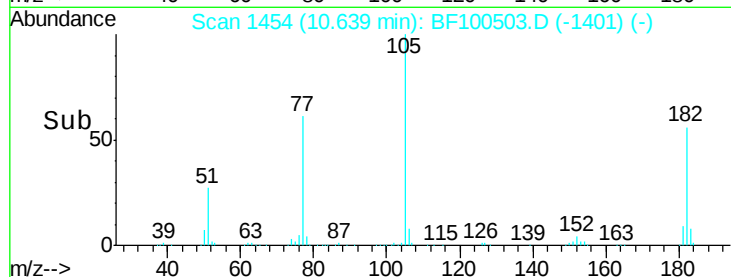
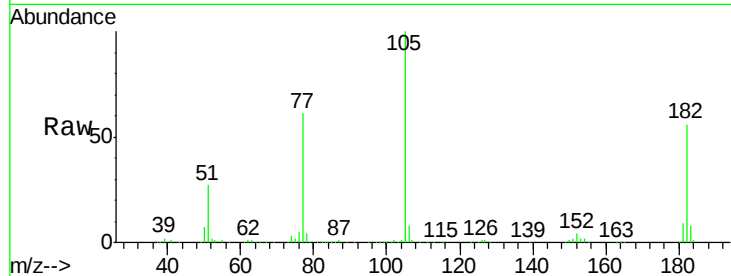
Ion Ratio Lower Upper

77 100

182 92.2 1.7 41.7#

105 164.6 3.0 43.0#

51 43.7 9.9 49.9

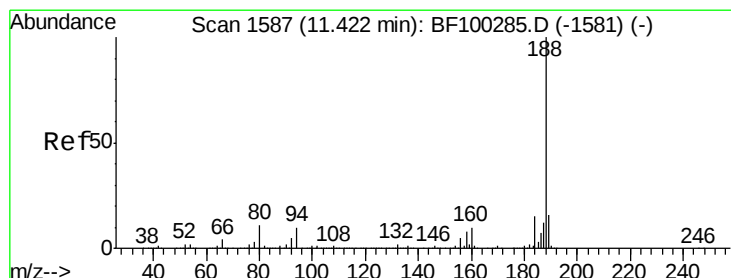
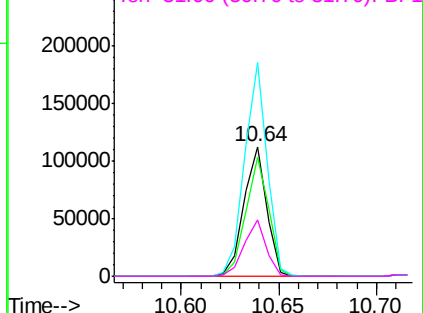


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

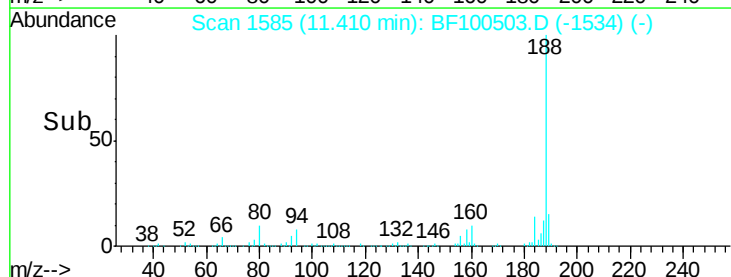
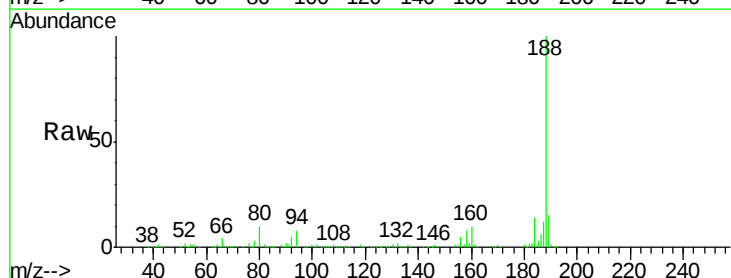
Tgt Ion: 188 Resp: 260199

Ion Ratio Lower Upper

188 100

94 8.1 8.5 12.7#

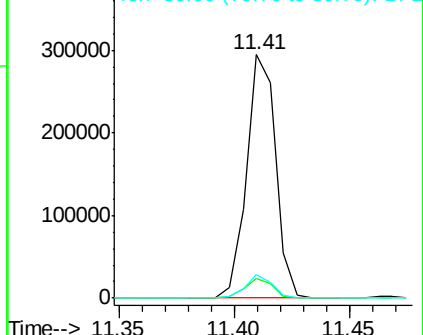
80 9.7 9.2 13.8

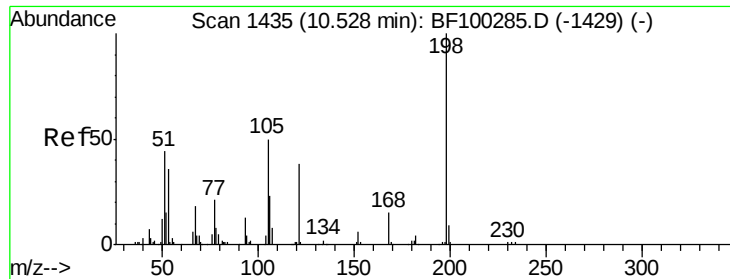


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

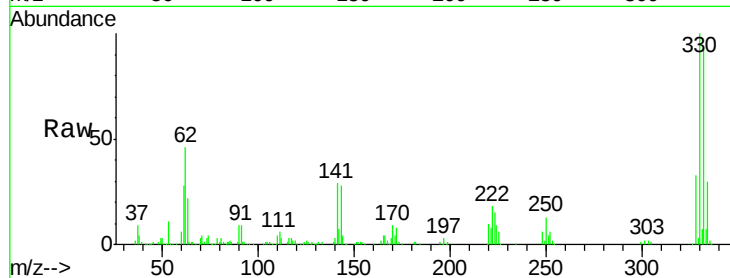




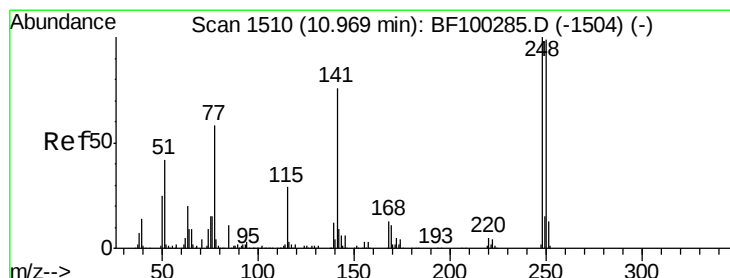
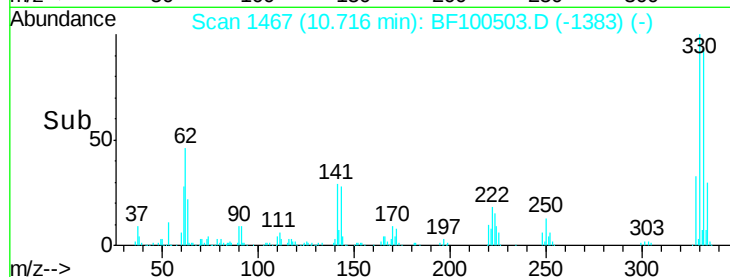
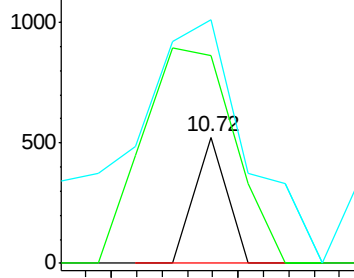
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.69 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-02-FREEZE-PIT

Tgt Ion:198 Resp: 185
 Ion Ratio Lower Upper
 198 100
 51 164.7 37.7 77.7#
 105 192.9 36.3 76.3#

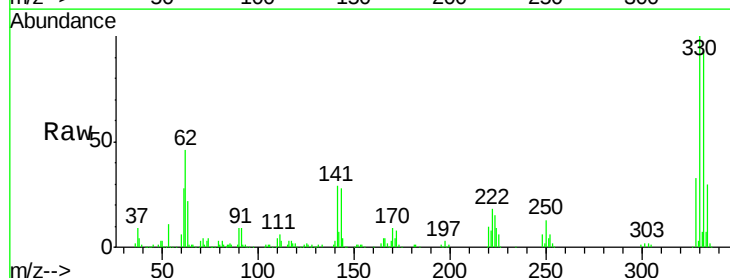


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

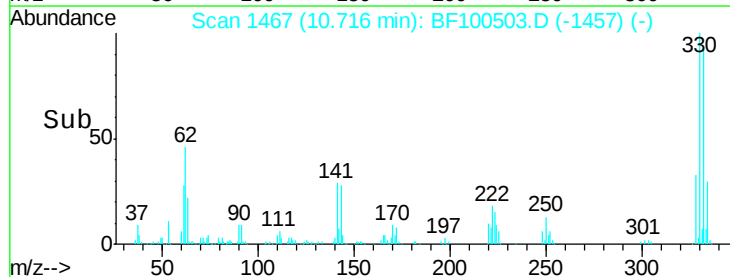
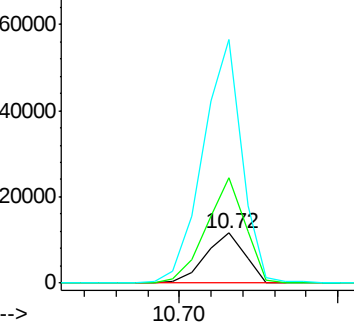


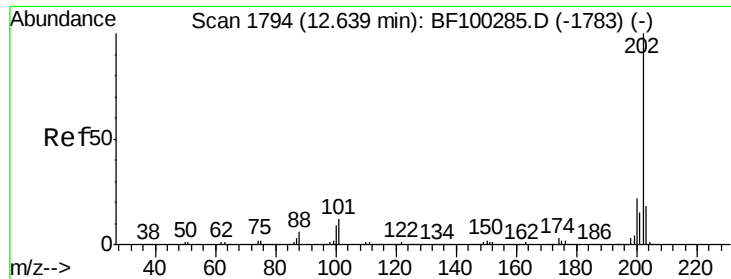
#66
 4-Bromophenyl-phenylether
 Concen: 3.58 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

Tgt Ion:248 Resp: 9981
 Ion Ratio Lower Upper
 248 100
 250 212.9 76.9 115.3#
 141 489.4 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





#74

Fluoranthene

Concen: 3.81 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

MH-110917-02-FREEZE-PIT

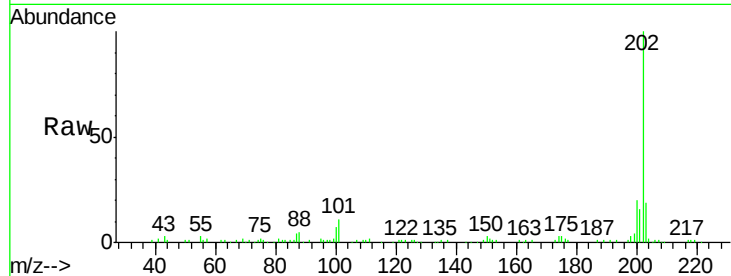
Tgt Ion:202 Resp: 55298

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.1

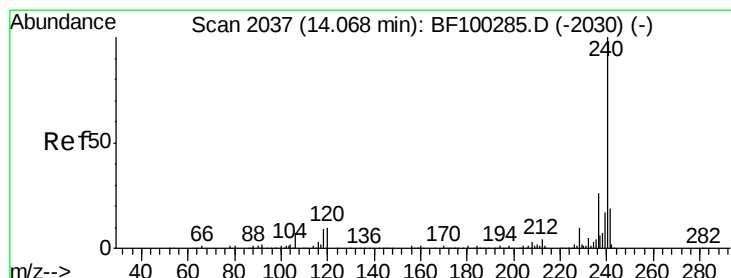
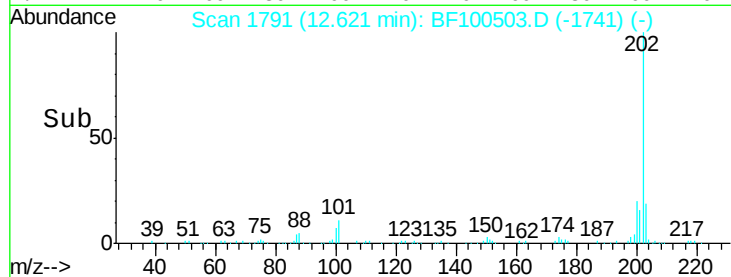
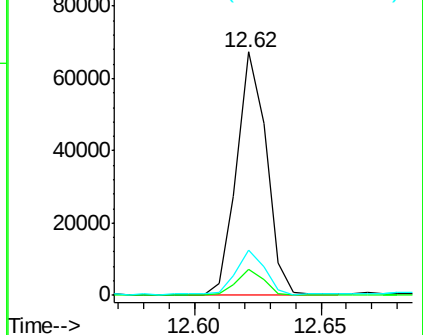
203 18.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

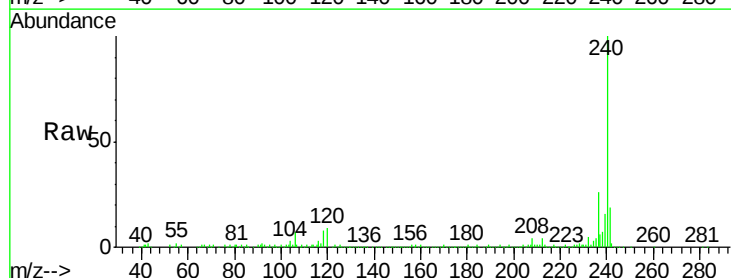
Tgt Ion:240 Resp: 187496

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

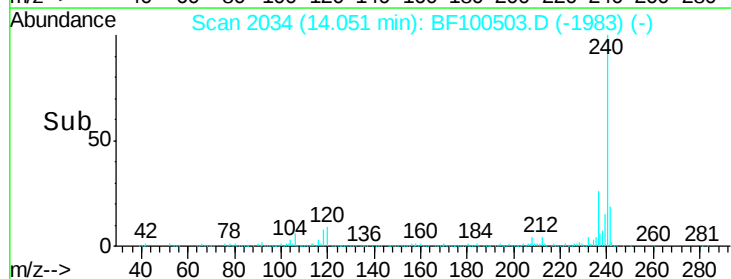
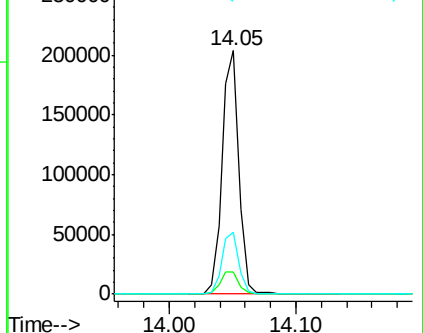
236 25.6 20.7 31.1

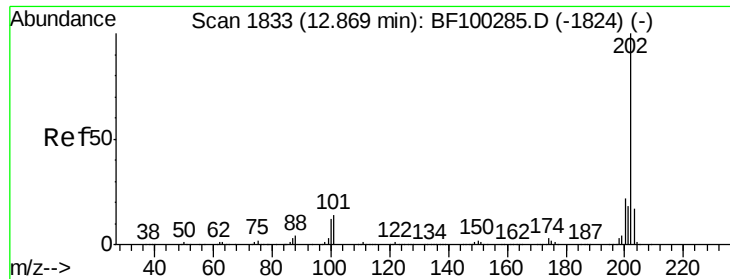


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

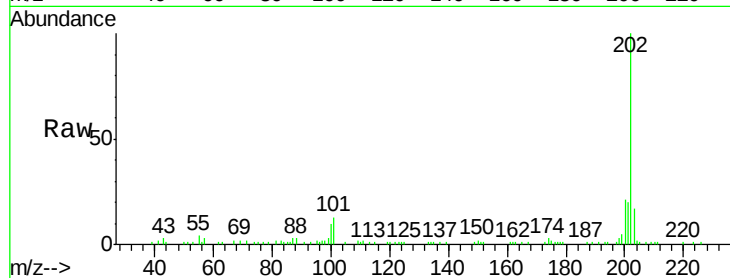




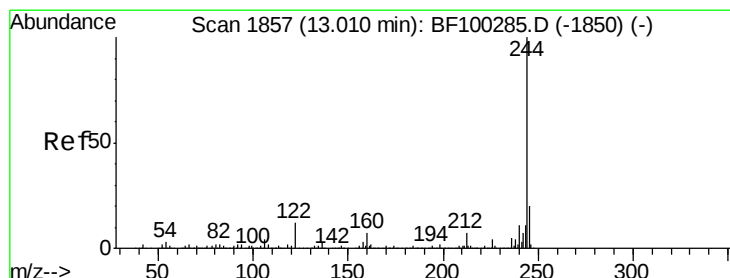
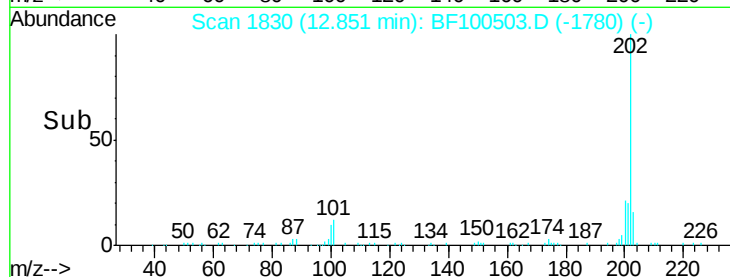
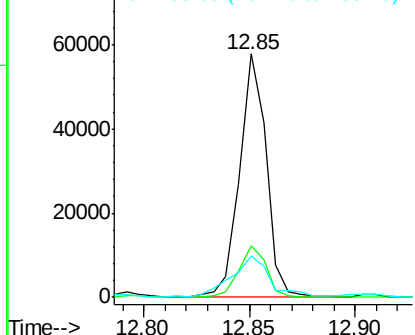
#77
 Pyrene
 Concen: 3.80 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-02-FREEZE-PIT

Tgt Ion: 202 Resp: 50744
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 16.8 14.3 21.5

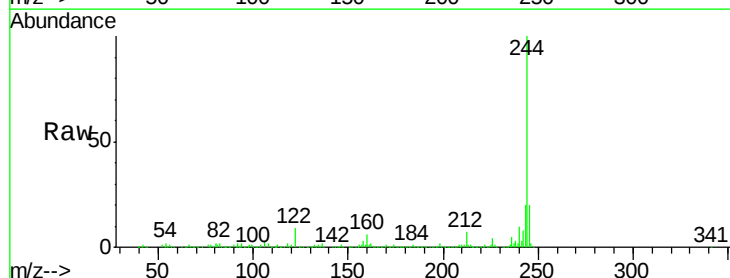


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

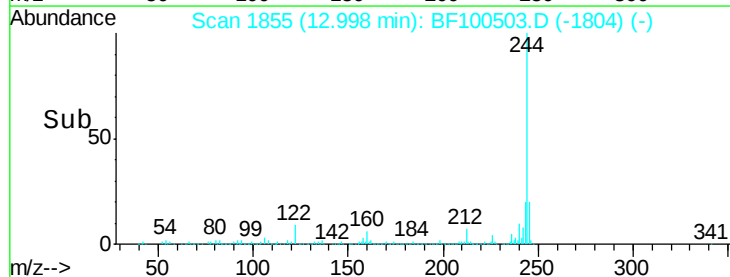
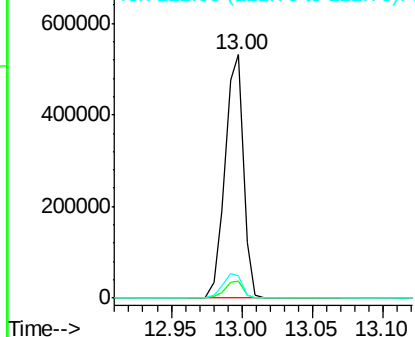


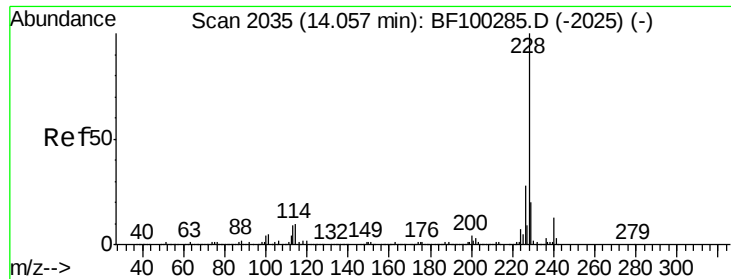
#78
 Terphenyl-d14
 Concen: 58.98 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BF100503.D
 Acq: 13 Nov 2017 15:29

Tgt Ion: 244 Resp: 481313
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 8.9 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





#80

Benzo(a)anthracene

Concen: 2.96 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

MH-110917-02-FREEZE-PIT

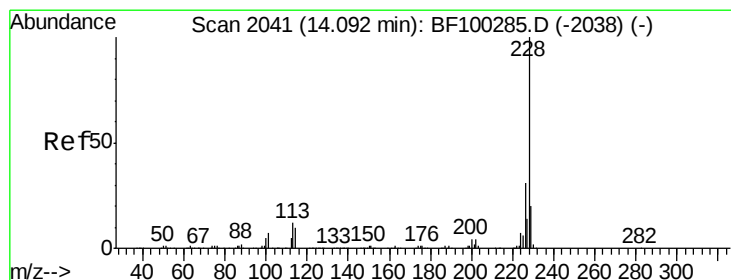
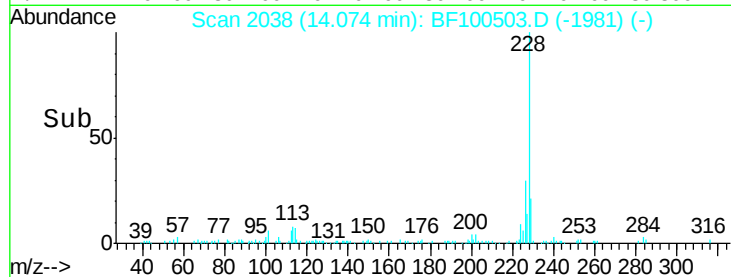
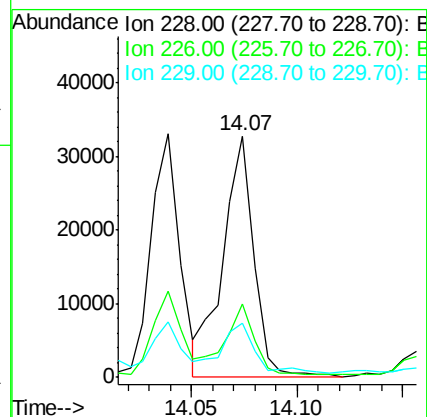
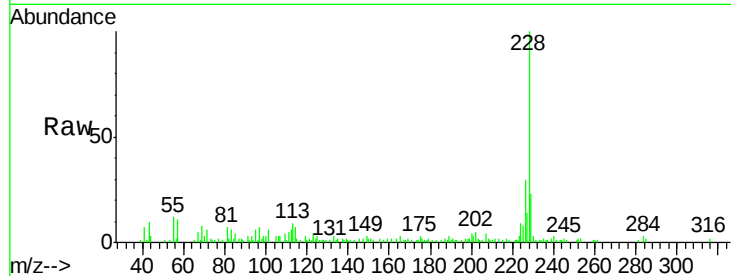
Tgt Ion:228 Resp: 33460

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

229 22.6 15.8 23.6



#82

Chrysene

Concen: 3.06 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

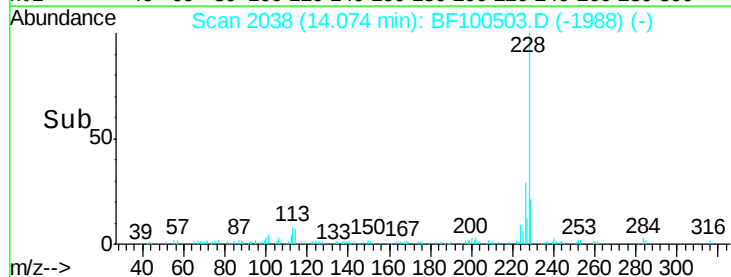
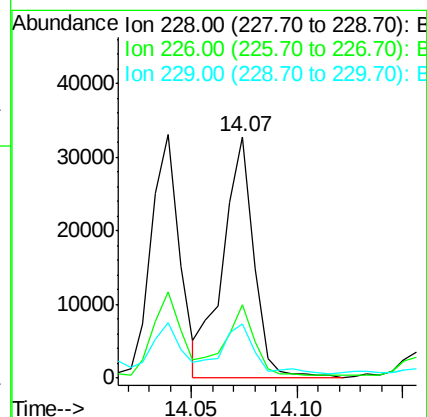
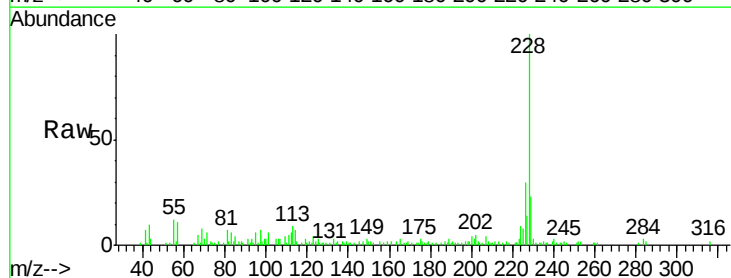
Tgt Ion:228 Resp: 33460

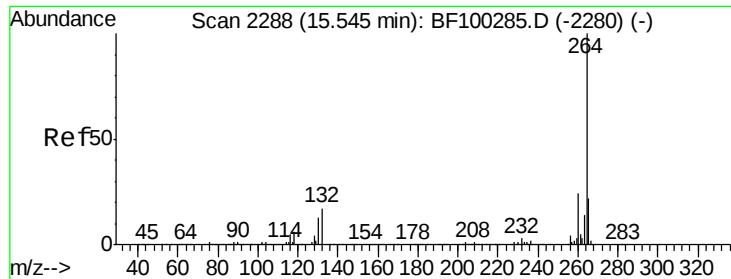
Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

229 22.6 16.2 24.4

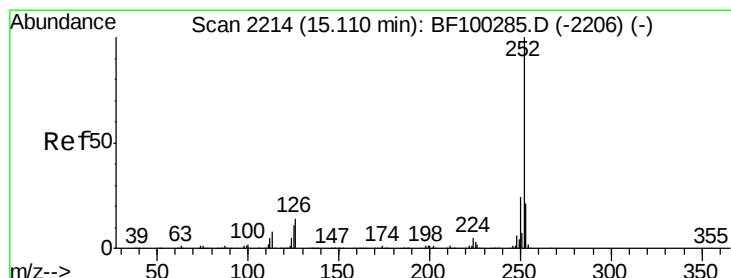
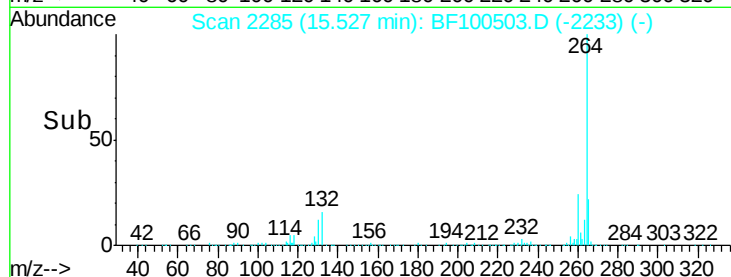
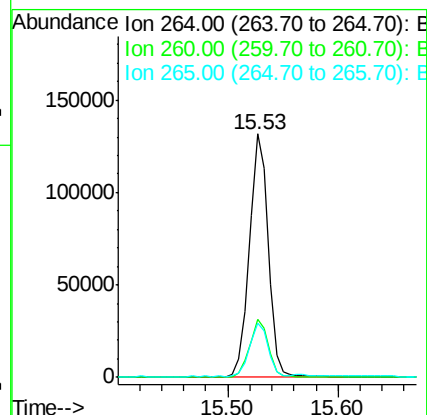
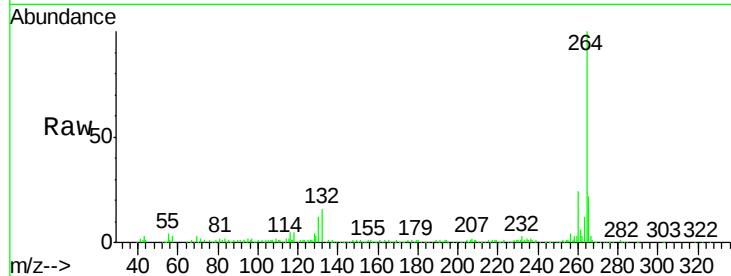




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

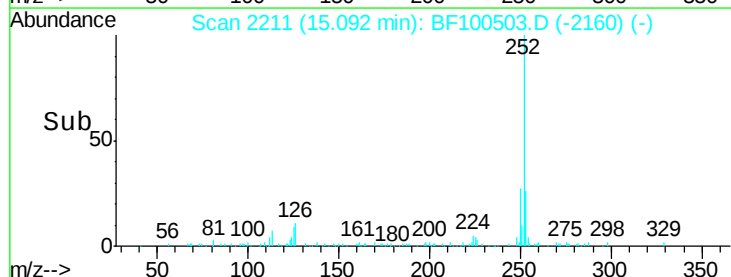
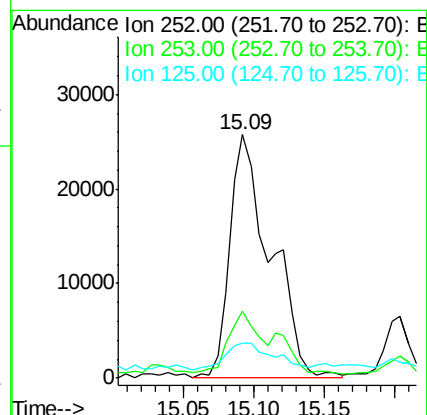
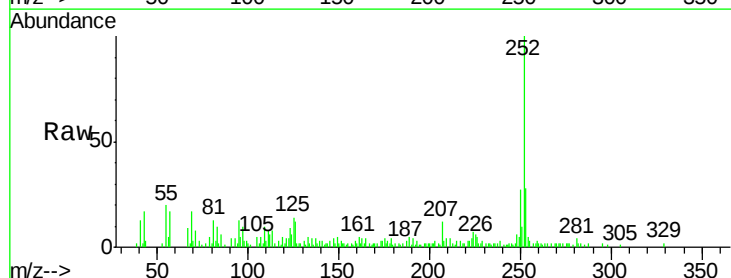
Instrument :
BNA_F
ClientSampleId :
MH-110917-02-FREEZE-PIT

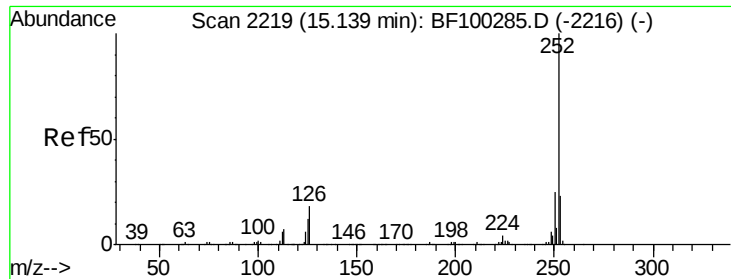
Tgt Ion:	264	Resp:	160185
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 5.48 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

Tgt Ion:	252	Resp:	51971
Ion Ratio		Lower	Upper
252	100		
253	27.6	17.0	25.6#
125	14.1	9.0	13.6#

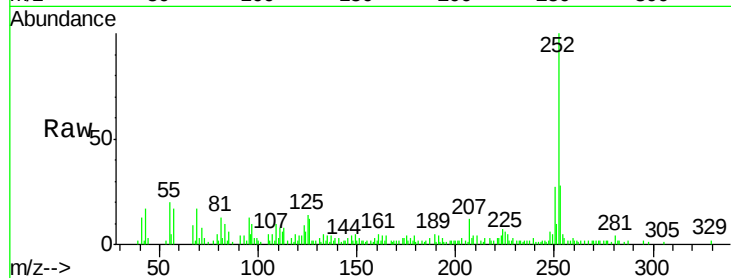




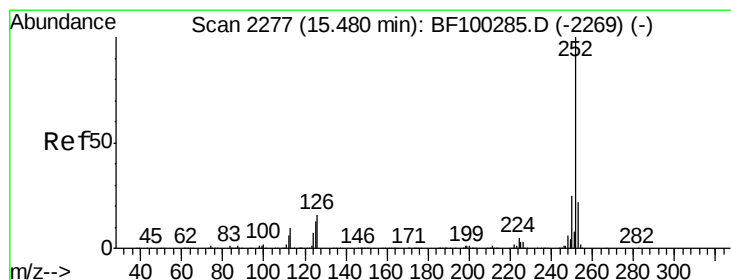
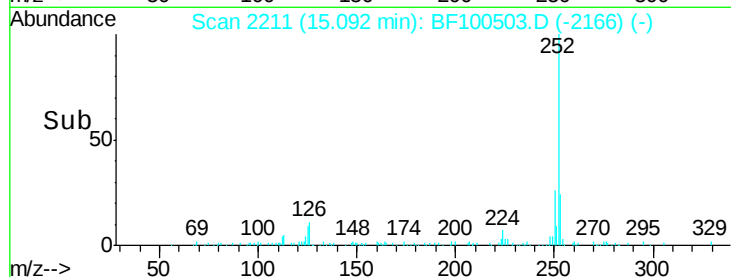
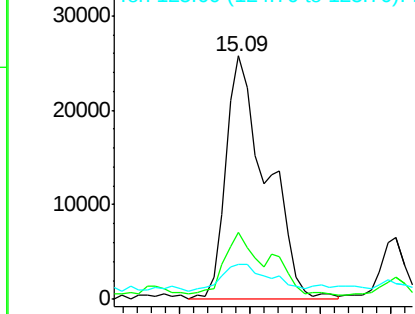
#88
Benzo(k)fluoranthene
Concen: 5.80 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

Instrument :
BNA_F
ClientSampleId :
MH-110917-02-FREEZE-PIT

Tgt Ion:252 Resp: 51971
Ion Ratio Lower Upper
252 100
253 27.6 17.9 26.9#
125 14.1 10.2 15.2

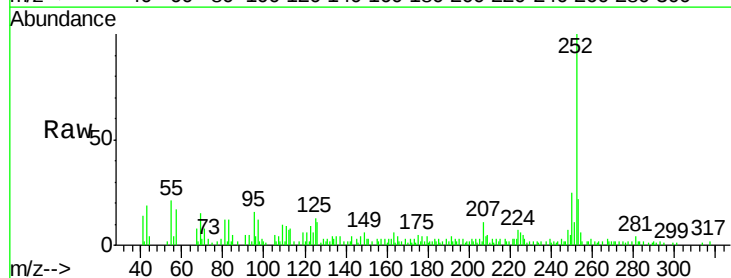


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

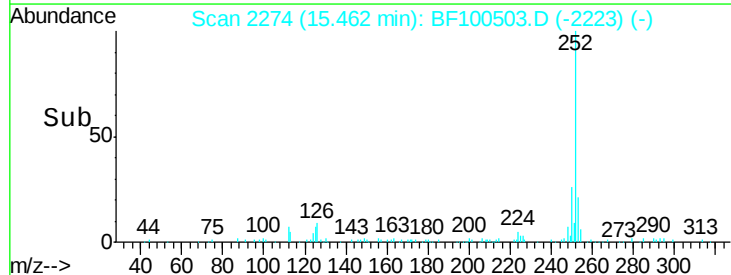
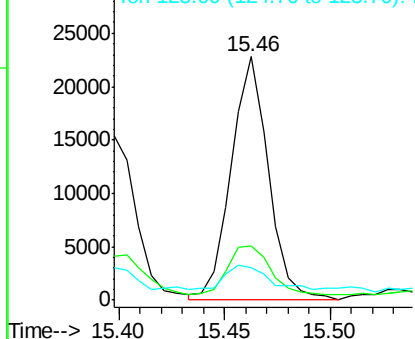


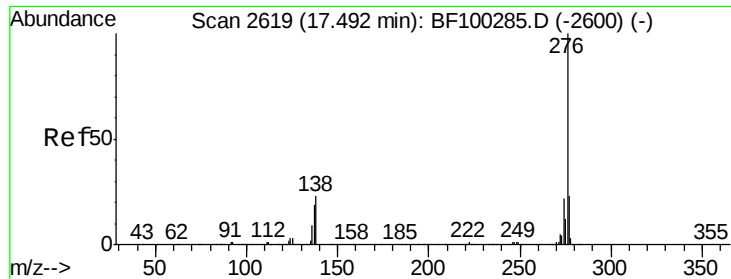
#89
Benzo(a)pyrene
Concen: 3.32 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF100503.D
Acq: 13 Nov 2017 15:29

Tgt Ion:252 Resp: 27909
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 13.1 9.8 14.6



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





#91

Benzo(g,h,i)perylene

Concen: 2.19 ng

RT: 17.46 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BF100503.D

Acq: 13 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

MH-110917-02-FREEZE-PIT

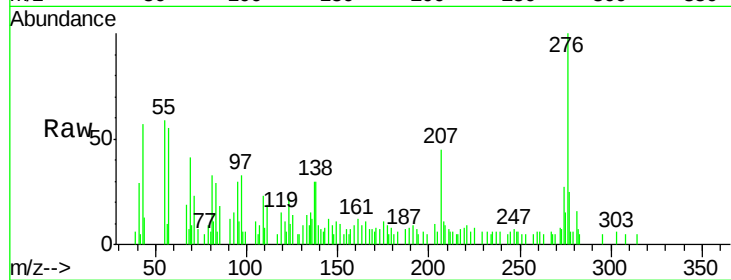
Tgt Ion: 276 Resp: 14750

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 29.9 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

