

Data Path : Z:\HPCHEM1\BNA F\Data\BF101416\
 Data File : BF090569.D
 Acq On : 14 Oct 2016 14:44
 Operator : UM/SJ
 Sample : H5192-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

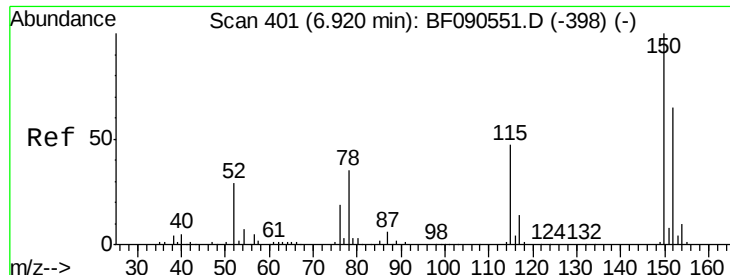
Instrument :
 BNA_F
 ClientSampleId :
 MJSB-18(6-8)

Quant Time: Oct 14 15:20:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 02:03:28 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.920	152	188369	20.00	ng	0.00
21) Naphthalene-d8	8.212	136	738526	20.00	ng	0.00
38) Acenaphthene-d10	9.972	164	403900	20.00	ng	0.00
63) Phenanthrene-d10	11.458	188	821982	20.00	ng	0.00
75) Chrysene-d12	14.098	240	507420	20.00	ng	0.00
86) Perylene-d12	15.550	264	389301	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	1139458	110.89	ng	0.00
7) Phenol-d6	6.554	99	1605982	105.19	ng	0.00
23) Nitrobenzene-d5	7.480	82	829797	62.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.760	330	491783	136.57	ng	0.00
44) 2-Fluorobiphenyl	9.286	172	1593492	65.01	ng	0.00
78) Terphenyl-d14	13.035	244	1662757	76.30	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.331	42	464	7.25	ng	# 1
15) Benzyl Alcohol	7.069	79	21753	2.09	ng	# 52
18) Hexachloroethane	7.492	117	337562	59.11	ng	# 12
25) Isophorone	7.732	82	95815	3.96	ng	# 1
35) Caprolactam	8.635	113	119886	47.74	ng	# 87
49) Dimethylphthalate	9.686	163	440031	16.79	ng	# 93
50) 2,6-Dinitrotoluene	9.743	165	13607	2.37	ng	# 1
51) Acenaphthene	10.006	154	87016	3.59	ng	# 57
53) 2,4-Dinitrophenol	10.006	184	1138	6.01	ng	# 1
54) Dibenzofuran	10.178	168	73502	2.30	ng	# 1
55) 4-Nitrophenol	10.075	139	41834	9.66	ng	# 23
56) 2,4-Dinitrotoluene	10.178	165	21898	2.81	ng	# 61
57) Fluorene	10.520	166	189139	7.19	ng	# 87
65) n-Nitrosodiphenylamine	10.635	169	394602	14.53	ng	# 55
70) Phenanthrene	11.481	178	671986	15.31	ng	# 96
71) Anthracene	11.481	178	671986	14.23	ng	# 97
77) Pyrene	12.898	202	122916	3.66	ng	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.920 min Scan# 40

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

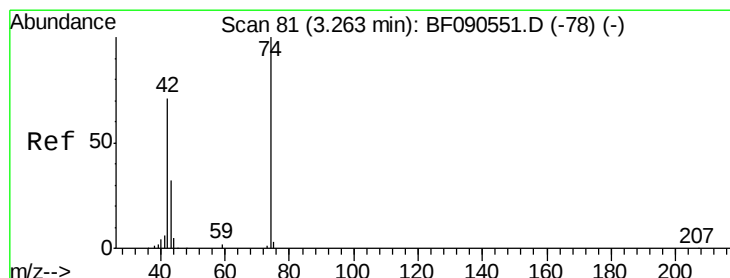
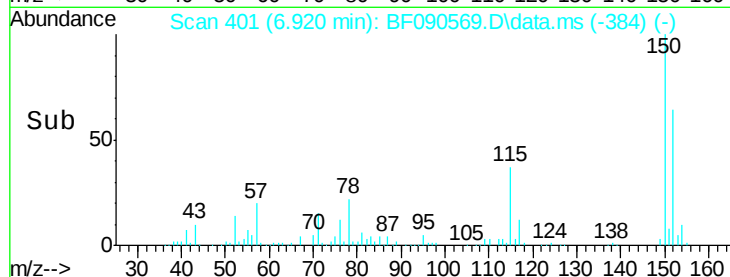
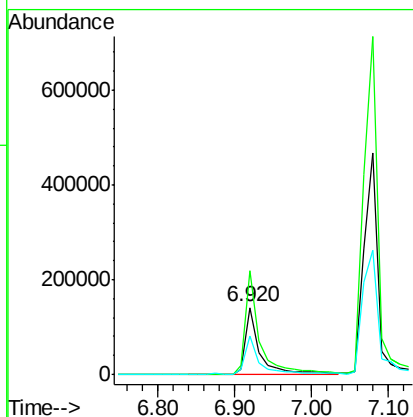
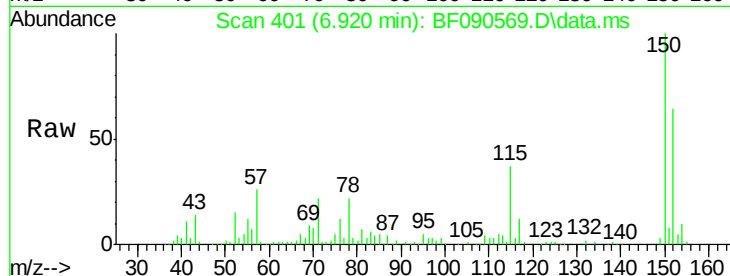
Tot Ion:152 Resp: 188369

Ion Ratio Lower Upper

152 100

150 155.2 127.2 190.8

115 56.8 58.6 88.0#



#4

n-Nitrosodimethylamine

Concen: 7.25 ng

RT: 3.331 min Scan# 87

Delta R.T. 0.069 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

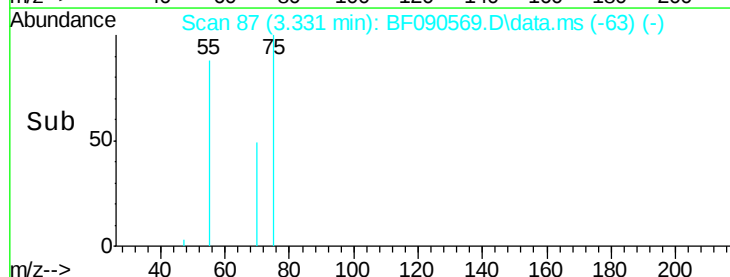
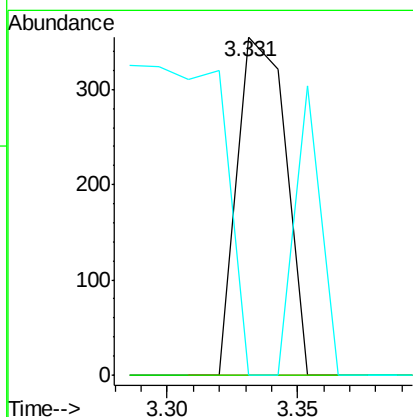
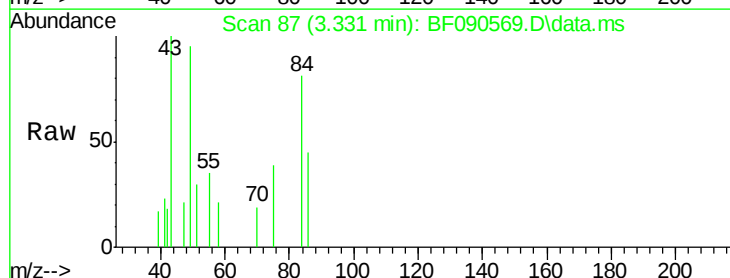
Tgt Ion: 42 Resp: 464

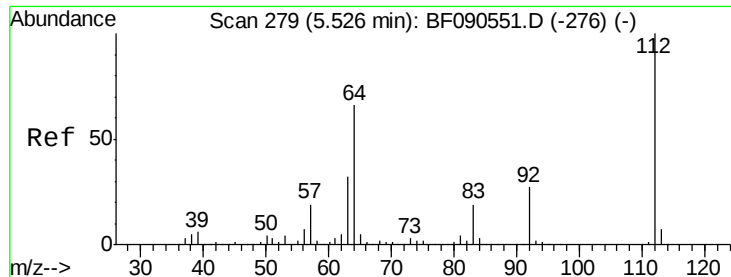
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 0.0 6.0 9.0#





#5

2-Fluorophenol

Concen: 110.89 ng

RT: 5.526 min Scan# 27

Delta R.T. 0.001 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

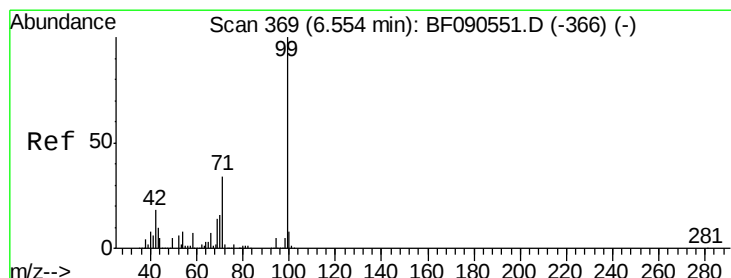
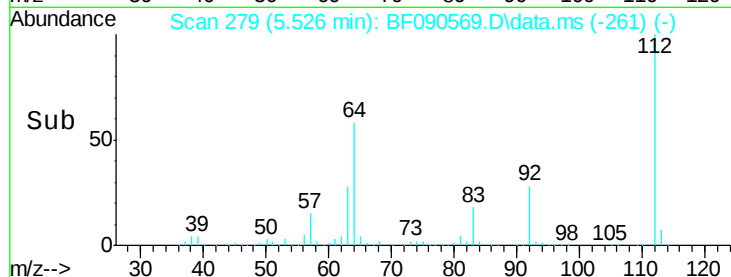
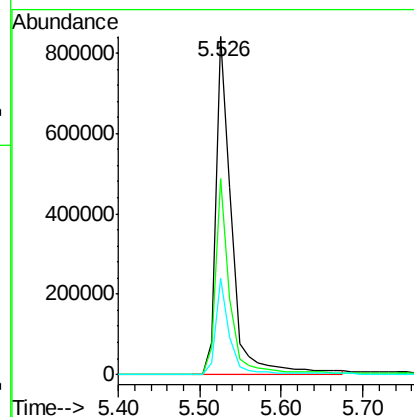
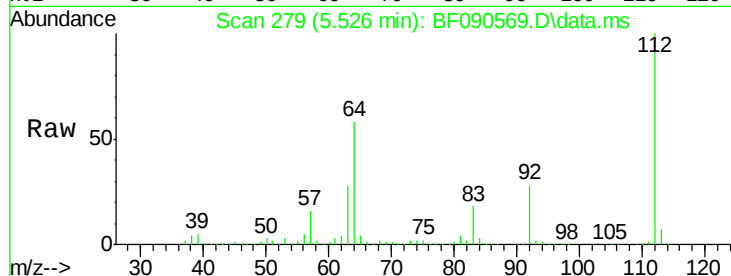
Tot Ion:112 Resp: 1139458

Ion Ratio Lower Upper

112 100

64 58.0 52.6 78.8

63 28.4 26.0 39.0



#7

Phenol-d6

Concen: 105.19 ng

RT: 6.554 min Scan# 369

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

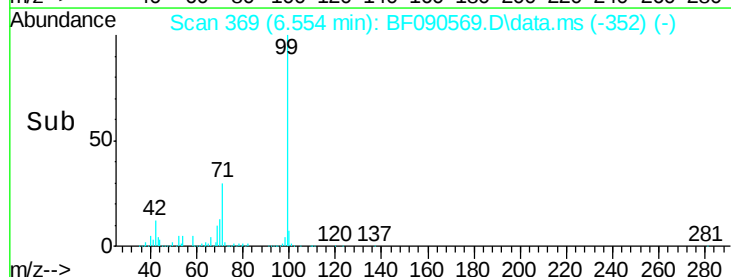
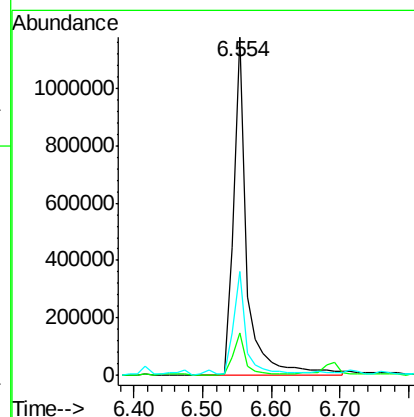
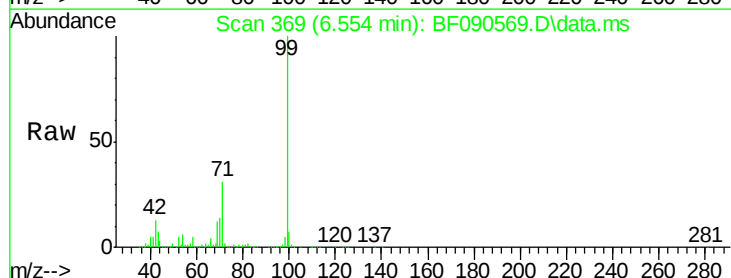
Tgt Ion: 99 Resp: 1605982

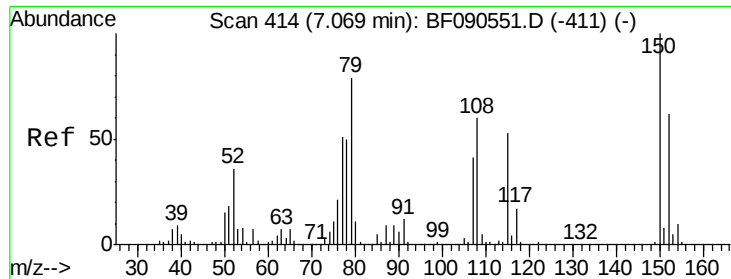
Ion Ratio Lower Upper

99 100

42 12.6 14.7 22.1#

71 30.8 27.6 41.4





#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 7.069 min Scan# 41

Delta R.T. 0.001 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

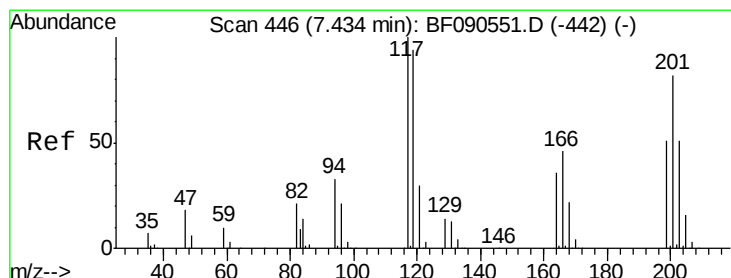
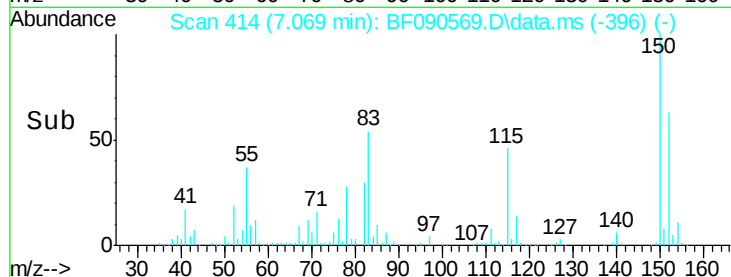
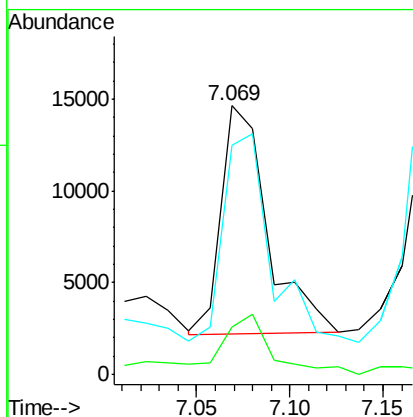
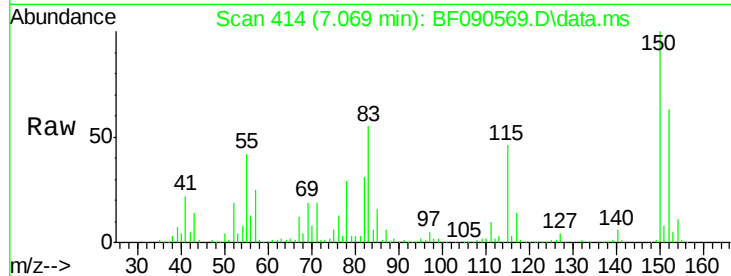
Tot Ion: 79 Resp: 21753

Ion Ratio Lower Upper

79 100

108 17.6 60.2 90.4#

77 85.2 52.0 78.0#



#18

Hexachloroethane

Concen: 59.11 ng

RT: 7.492 min Scan# 451

Delta R.T. 0.057 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

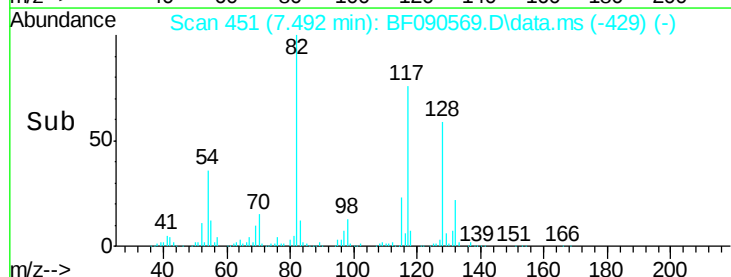
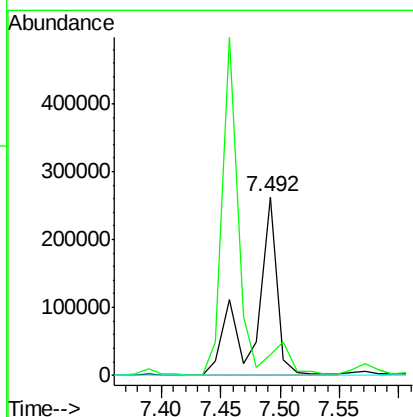
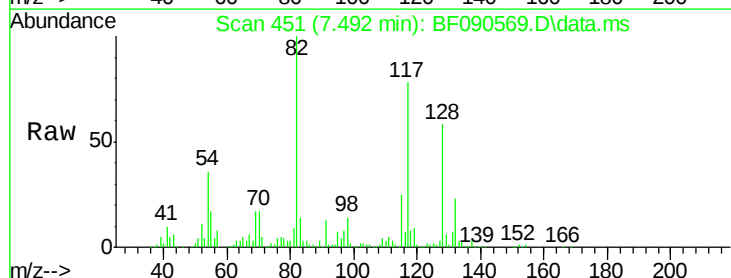
Tgt Ion: 117 Resp: 337562

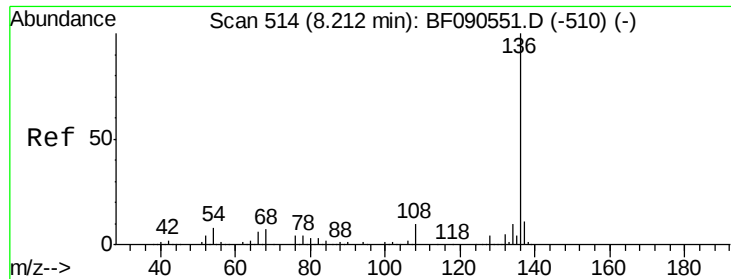
Ion Ratio Lower Upper

117 100

119 11.5 75.6 113.4#

201 0.0 65.4 98.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.212 min Scan# 51

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

Tot Ion:136 Resp: 738526

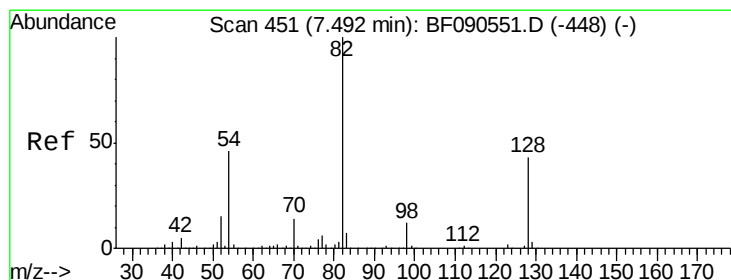
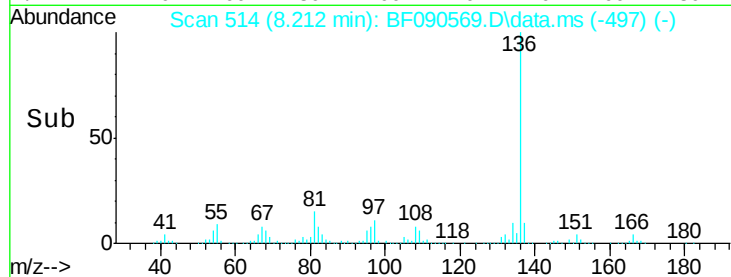
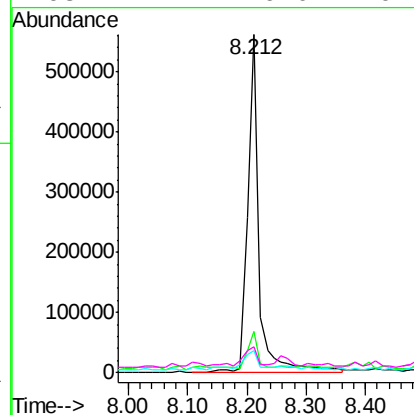
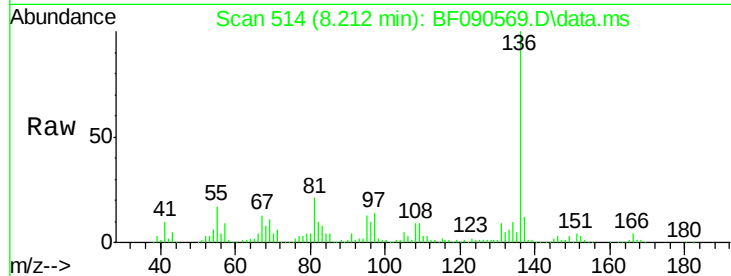
Ion Ratio Lower Upper

136 100

137 12.0 8.8 13.2

54 6.3 6.8 10.2#

68 7.7 6.0 9.0



#23

Nitrobenzene-d5

Concen: 62.42 ng

RT: 7.480 min Scan# 450

Delta R.T. -0.011 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

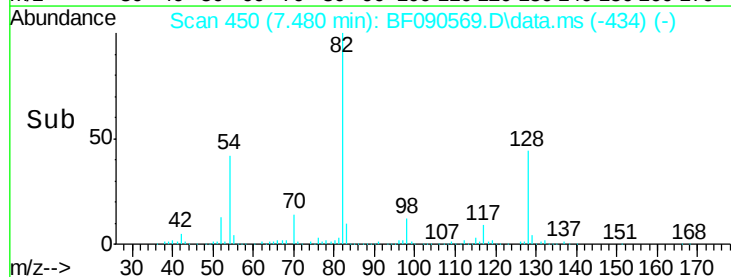
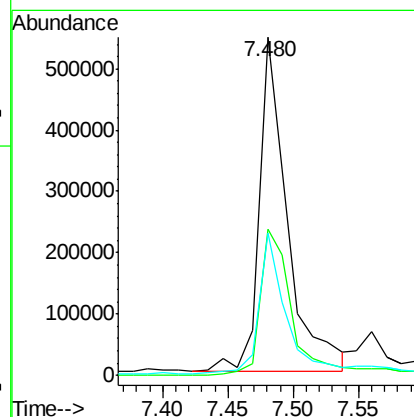
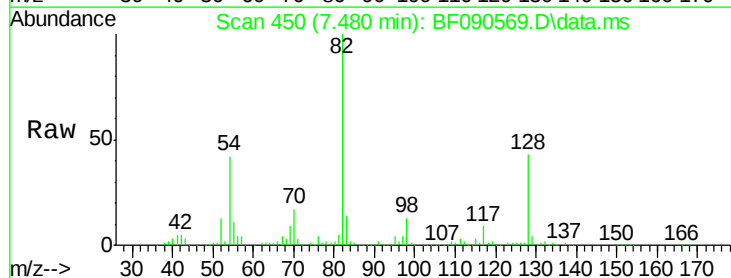
Tgt Ion: 82 Resp: 829797

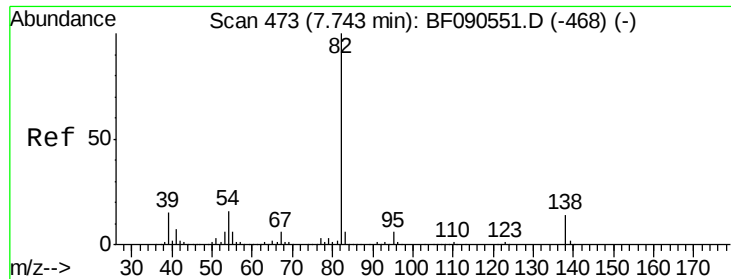
Ion Ratio Lower Upper

82 100

128 43.4 34.3 51.5

54 42.0 37.0 55.6





#25

Isophorone

Concen: 3.96 ng

RT: 7.732 min Scan# 47

Delta R.T. -0.011 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

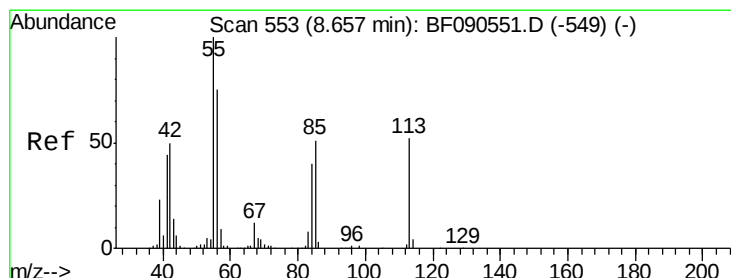
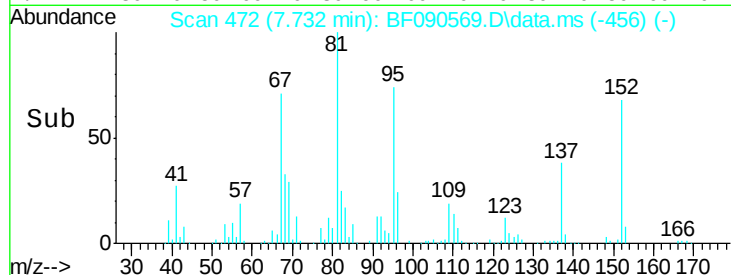
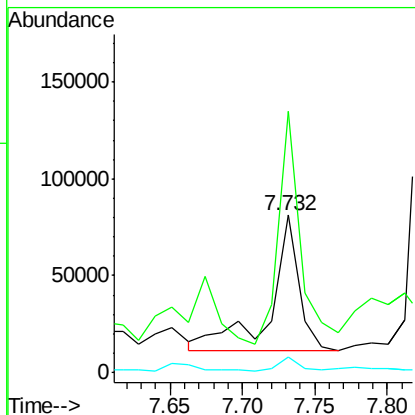
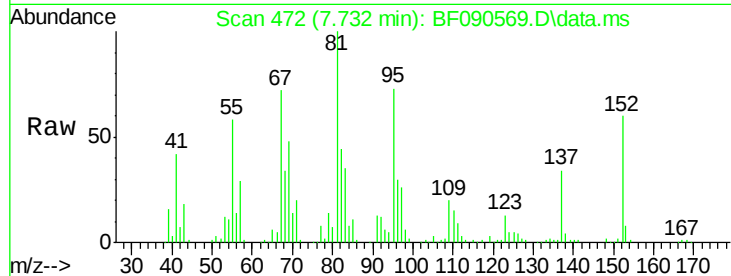
Tot Ion: 82 Resp: 95815

Ion Ratio Lower Upper

82 100

95 166.2 5.0 7.6#

138 10.0 11.5 17.3#



#35

Caprolactam

Concen: 47.74 ng

RT: 8.635 min Scan# 551

Delta R.T. -0.023 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

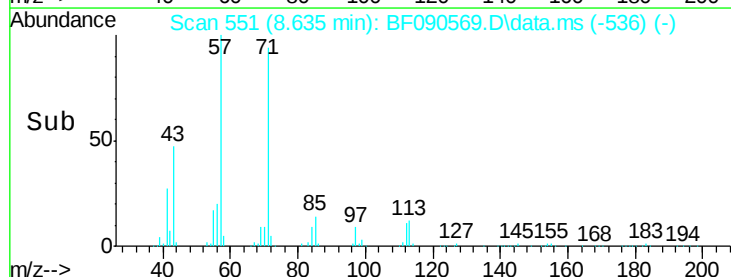
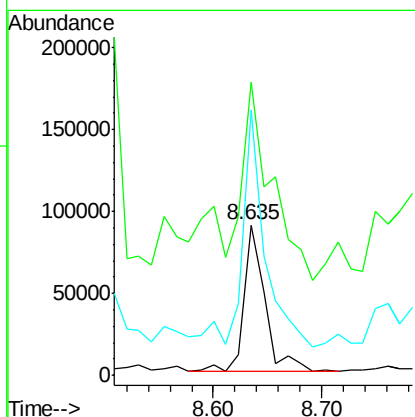
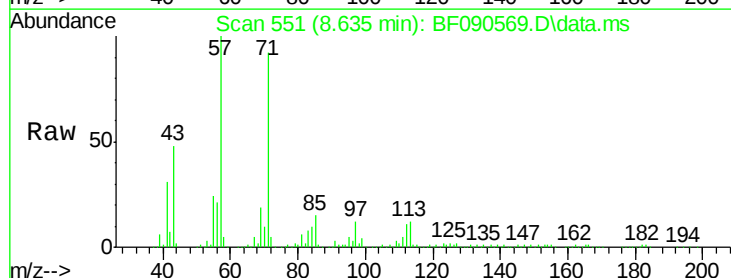
Tgt Ion: 113 Resp: 119886

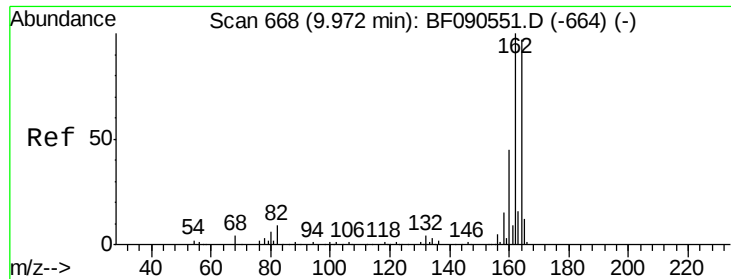
Ion Ratio Lower Upper

113 100

55 195.1 170.8 210.8

56 176.3 122.4 162.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.972 min Scan# 66

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

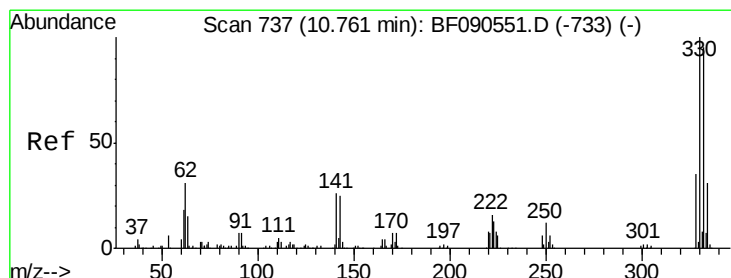
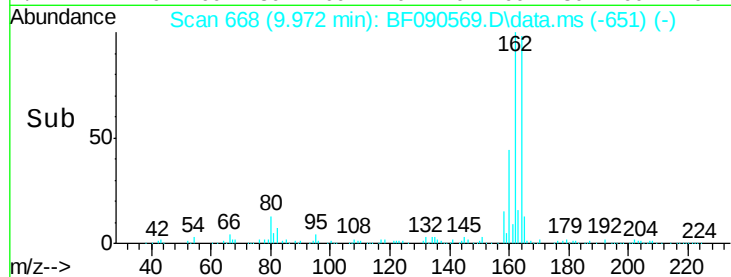
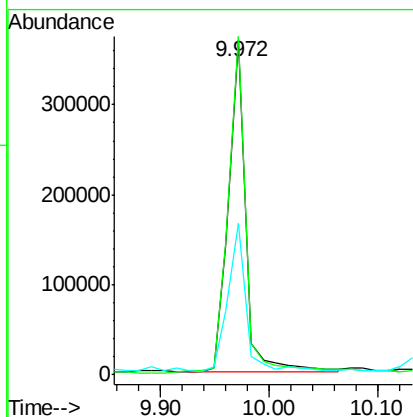
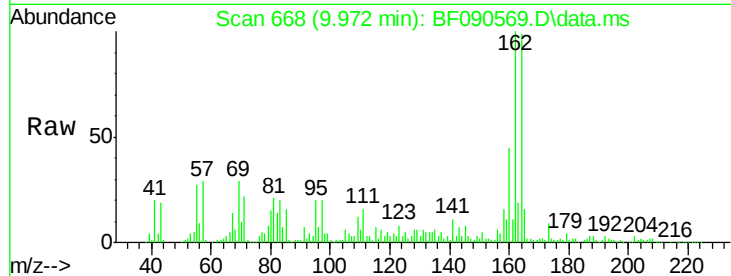
Tot Ion:164 Resp: 403900

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.4

160 45.4 36.6 55.0



#41

2,4,6-Tribromophenol

Concen: 136.57 ng

RT: 10.760 min Scan# 737

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

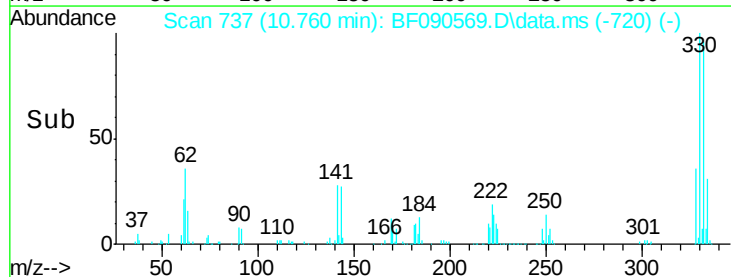
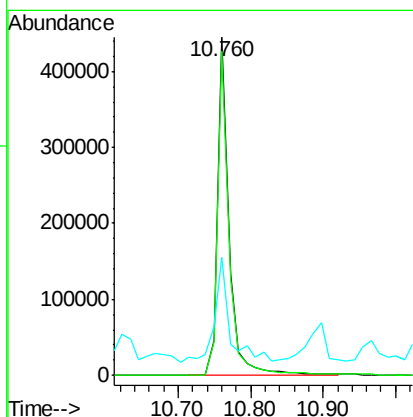
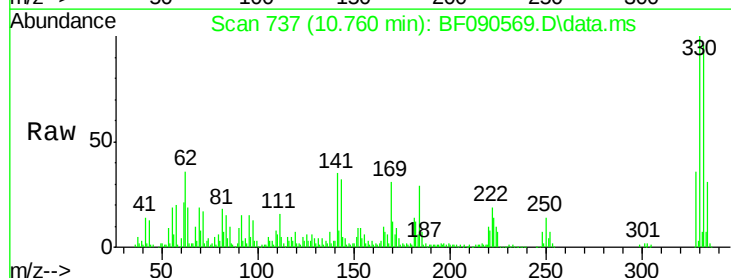
Tgt Ion:330 Resp: 491783

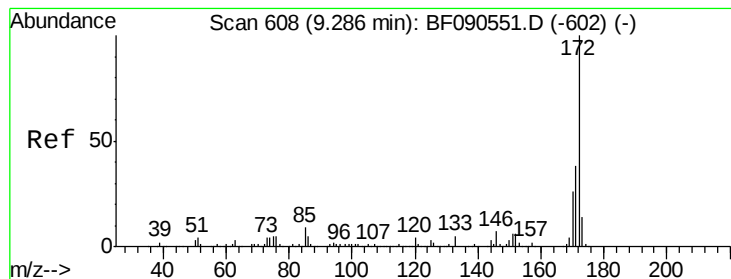
Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.2

141 40.5 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 65.01 ng

RT: 9.286 min Scan# 60

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

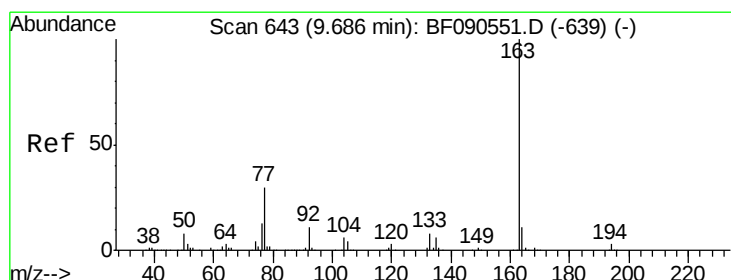
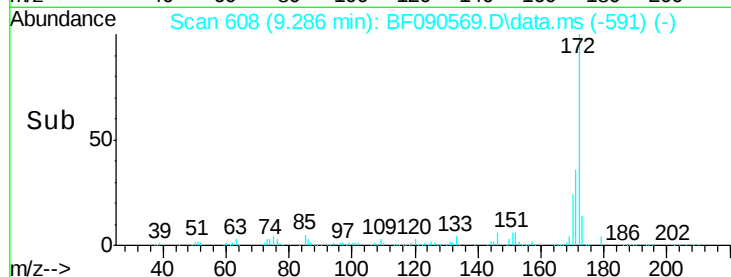
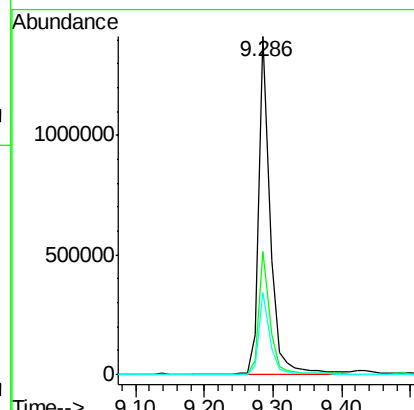
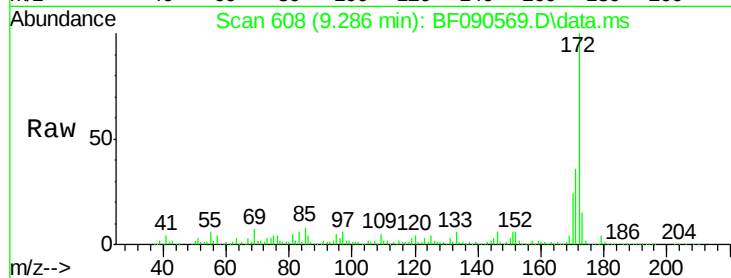
BNA_F

ClientSampleId :

MJSB-18(6-8)

Tot Ion:172 Resp: 1593492

Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	24.4	20.6	30.8



#49

Dimethylphthalate

Concen: 16.79 ng

RT: 9.686 min Scan# 643

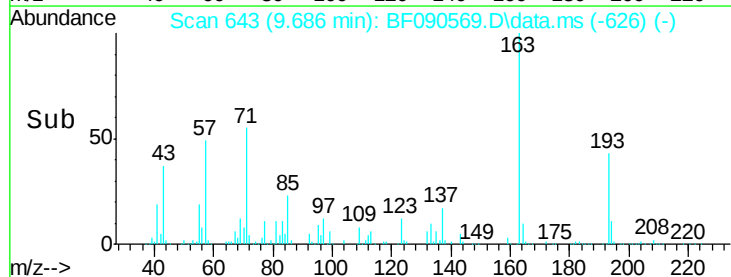
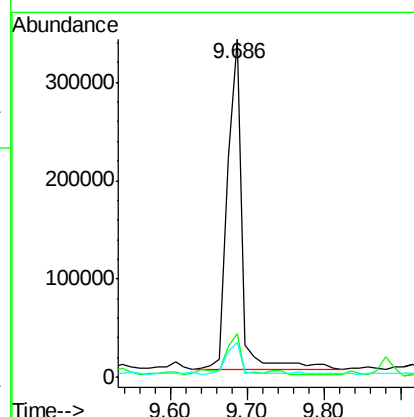
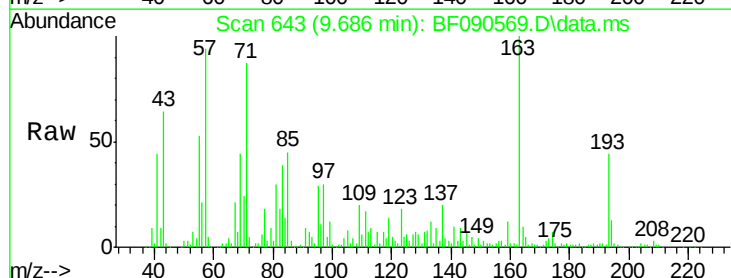
Delta R.T. -0.000 min

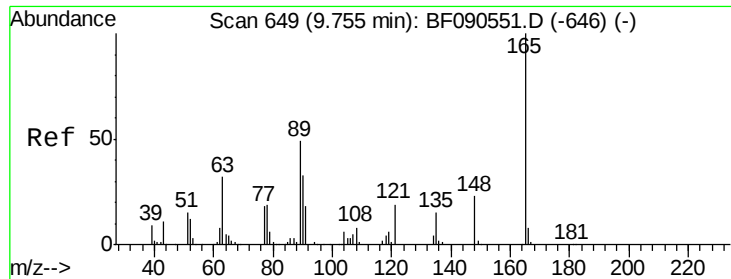
Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Tgt Ion:163 Resp: 440031

Ion	Ratio	Lower	Upper
163	100		
194	12.8	2.3	3.5#
164	10.4	8.6	13.0





#50

2,6-Dinitrotoluene

Concen: 2.37 ng

RT: 9.743 min Scan# 64

Delta R.T. -0.011 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

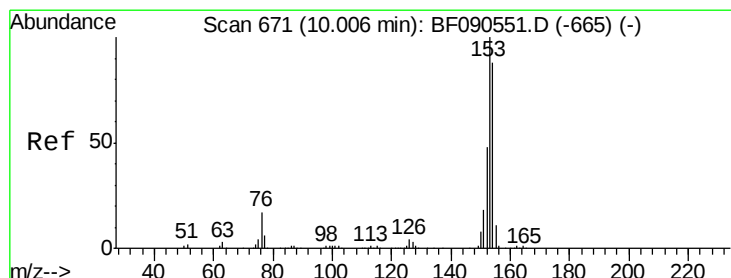
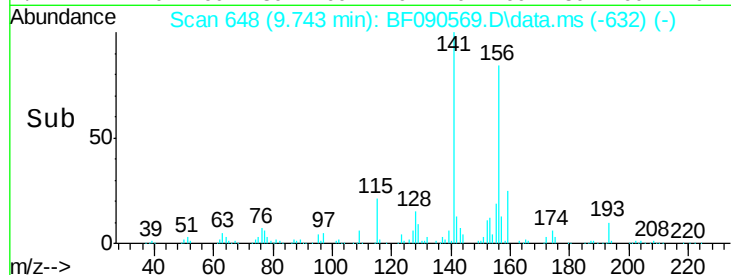
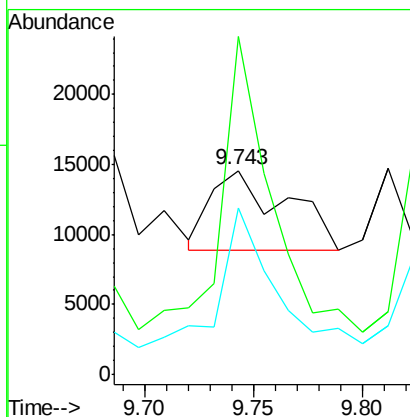
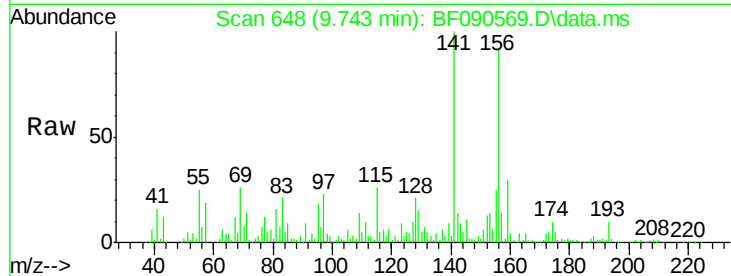
Tot Ion:165 Resp: 13607

Ion Ratio Lower Upper

165 100

63 165.6 40.1 60.1#

89 81.9 39.5 59.3#



#51

Acenaphthene

Concen: 3.59 ng

RT: 10.006 min Scan# 671

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

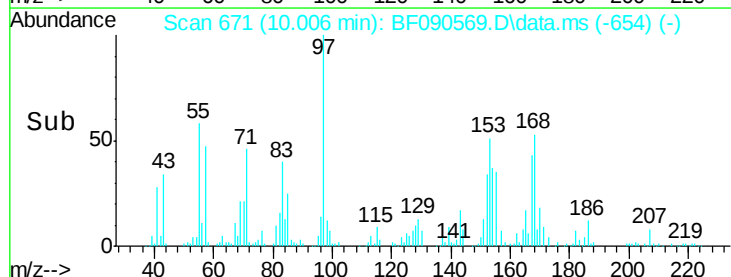
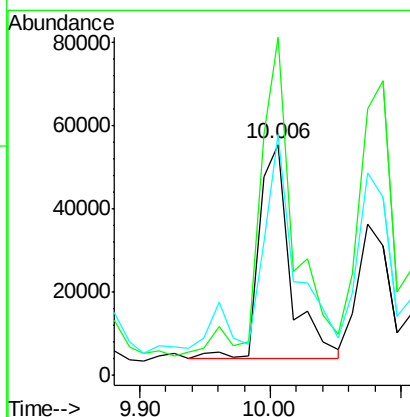
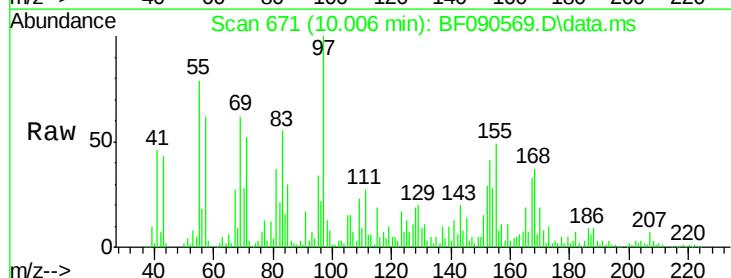
Tgt Ion:154 Resp: 87016

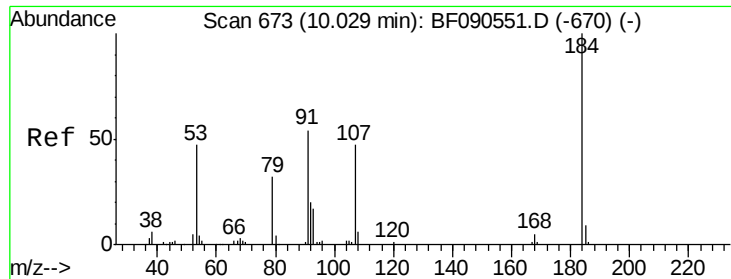
Ion Ratio Lower Upper

154 100

153 146.6 91.2 136.8#

152 104.4 44.0 66.0#

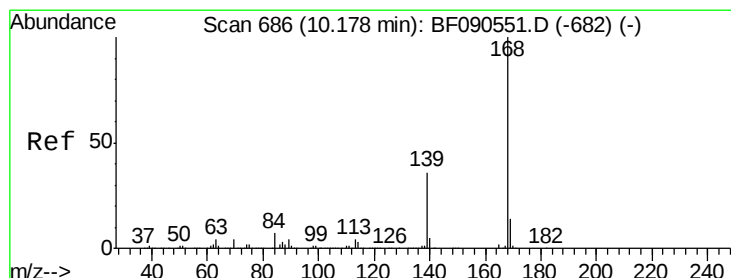
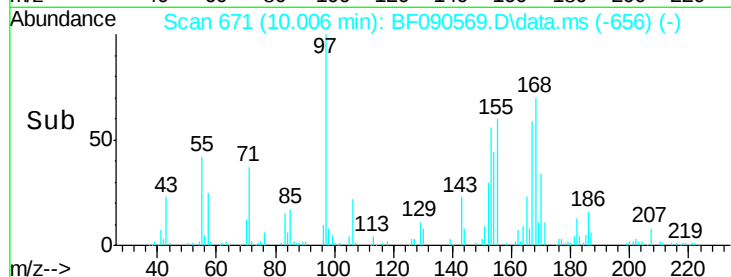
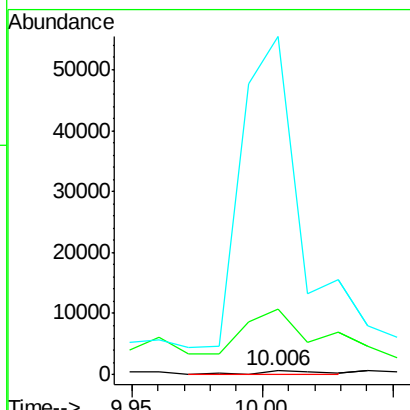
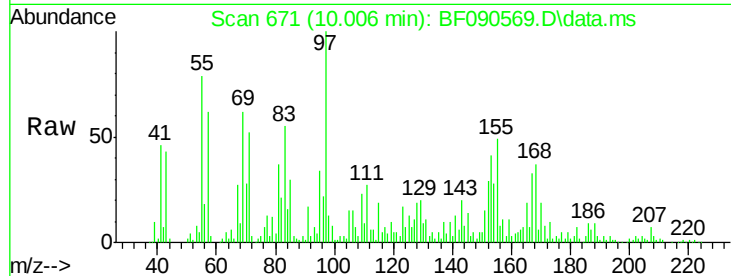




#53
2,4-Dinitrophenol
Concen: 6.01 ng
RT: 10.006 min Scan# 671
Delta R.T. -0.023 min
Lab File: BF090569.D
Acq: 14 Oct 2016 14:44

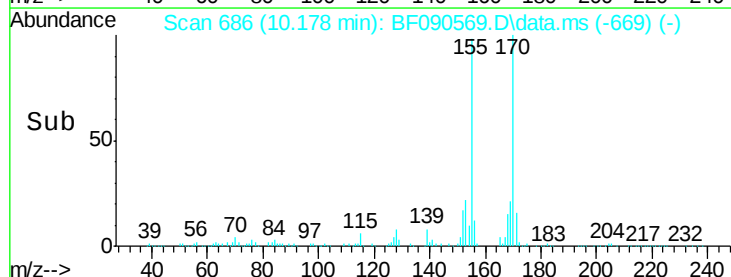
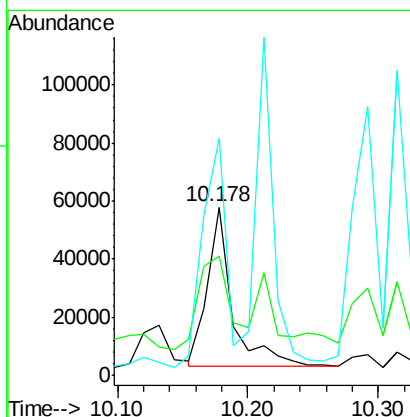
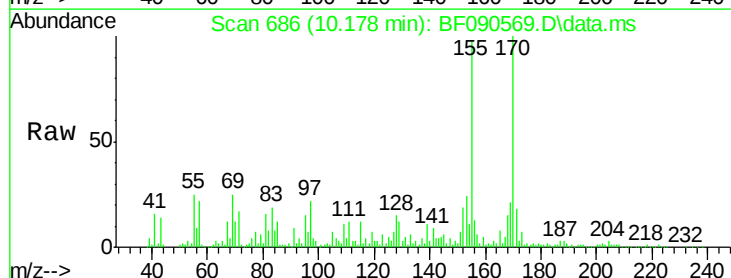
Instrument :
BNA_F
ClientSampleId :
MJSB-18(6-8)

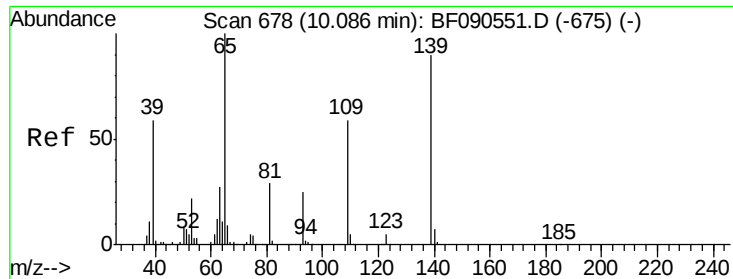
Tot Ion:184 Resp: 1138
Ion Ratio Lower Upper
184 100
63 1827.1 60.2 90.2#
154 9493.2 86.1 129.1#



#54
Dibenzofuran
Concen: 2.30 ng
RT: 10.178 min Scan# 686
Delta R.T. -0.000 min
Lab File: BF090569.D
Acq: 14 Oct 2016 14:44

Tgt Ion:168 Resp: 73502
Ion Ratio Lower Upper
168 100
139 70.6 30.5 45.7#
169 140.4 10.9 16.3#

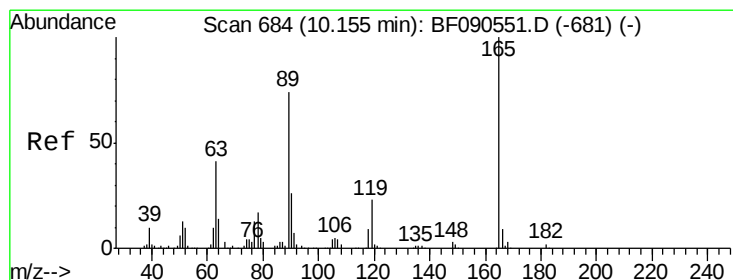
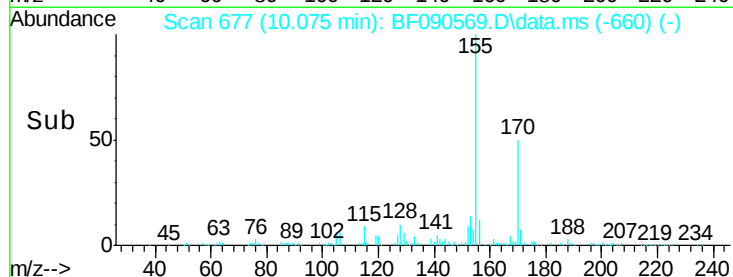
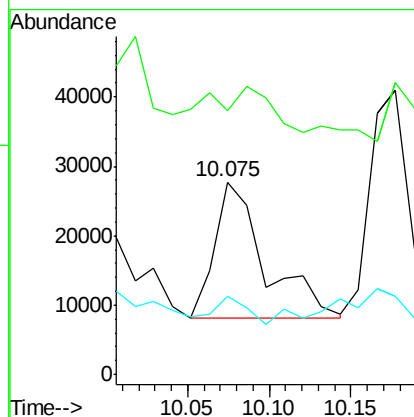
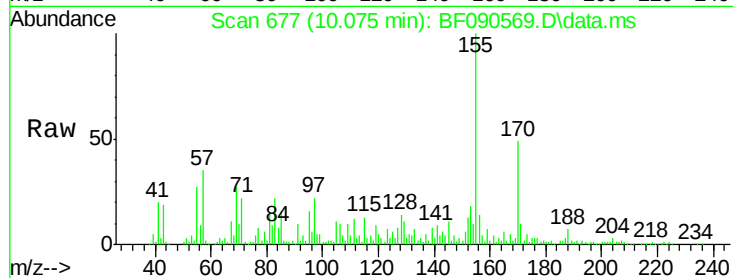




#55
4-Nitrophenol
Concen: 9.66 ng
RT: 10.075 min Scan# 67
Delta R.T. -0.011 min
Lab File: BF090569.D
Acq: 14 Oct 2016 14:44

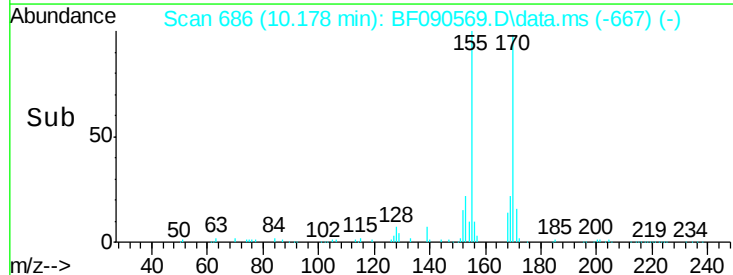
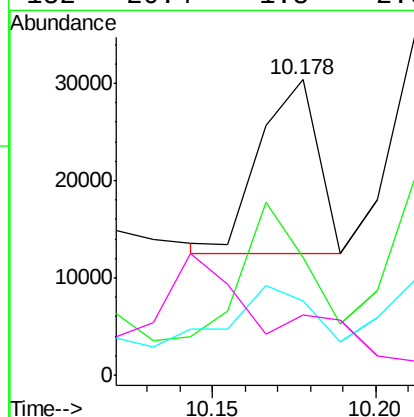
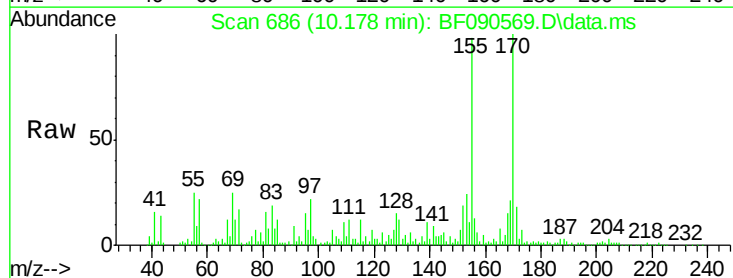
Instrument :
BNA_F
ClientSampleId :
MJSB-18(6-8)

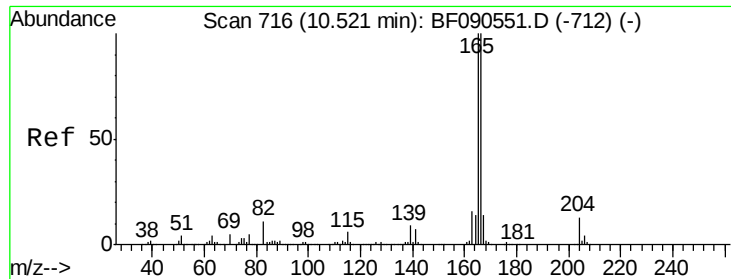
Tot Ion:139 Resp: 41834
Ion Ratio Lower Upper
139 100
109 136.8 45.9 85.9#
65 40.4 95.8 135.8#



#56
2,4-Dinitrotoluene
Concen: 2.81 ng
RT: 10.178 min Scan# 686
Delta R.T. 0.023 min
Lab File: BF090569.D
Acq: 14 Oct 2016 14:44

Tgt Ion:165 Resp: 21898
Ion Ratio Lower Upper
165 100
63 40.0 35.4 53.0
89 25.1 59.0 88.4#
182 20.4 1.8 2.6#

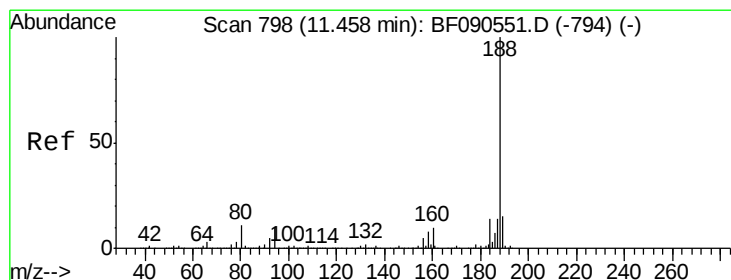
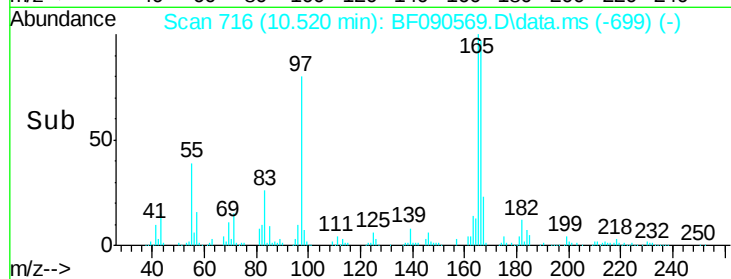
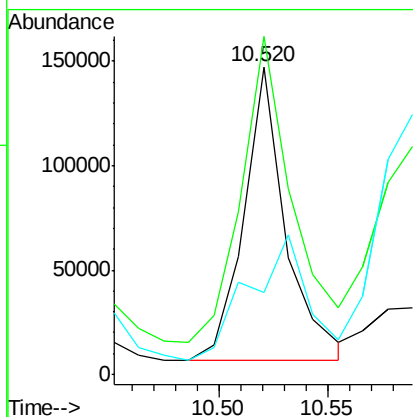
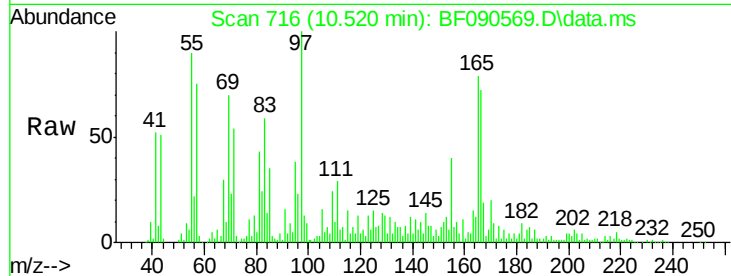




#57
Fluorene
Concen: 7.19 ng
RT: 10.520 min Scan# 716
Delta R.T. -0.000 min
Lab File: BF090569.D
Acq: 14 Oct 2016 14:44

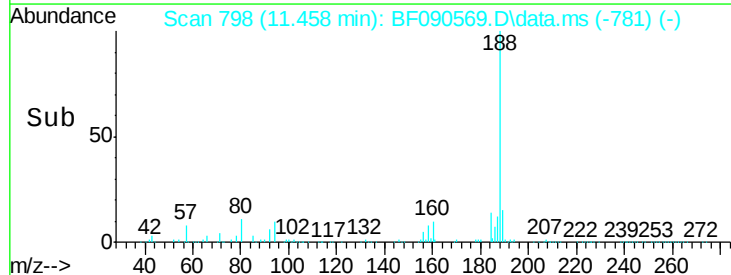
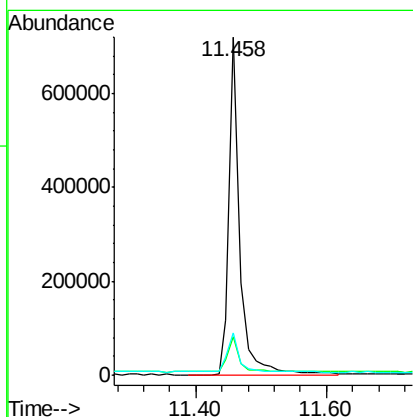
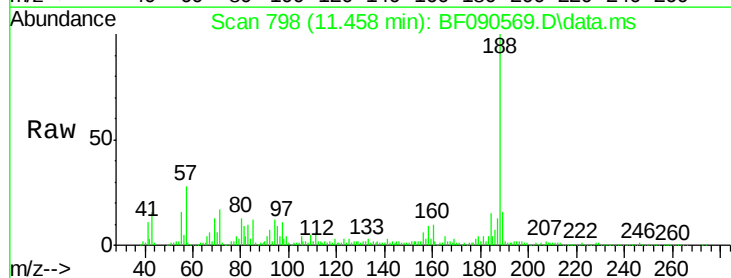
Instrument :
BNA_F
ClientSampleId :
MJSB-18(6-8)

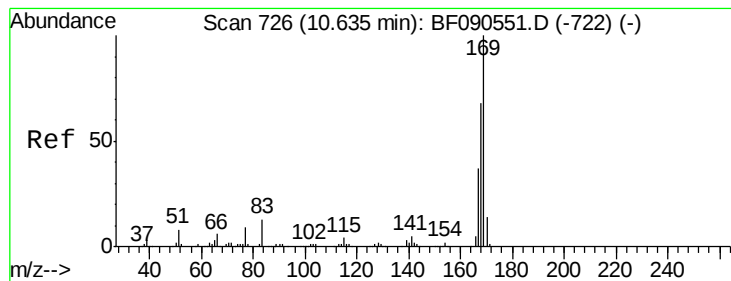
Tot Ion	Ratio	Lower	Upper
166	100		
165	109.8	79.9	119.9
167	26.8	10.9	16.3



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.458 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF090569.D
Acq: 14 Oct 2016 14:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	7.7	11.5
80	12.6	8.6	12.8





#65

n-Nitrosodiphenylamine

Concen: 14.53 ng

RT: 10.635 min Scan# 72

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

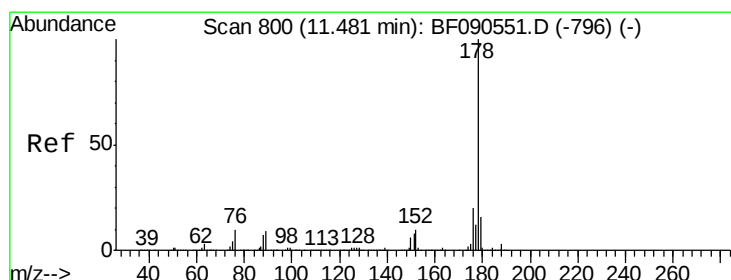
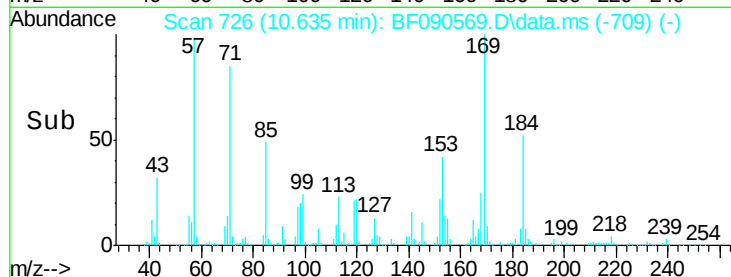
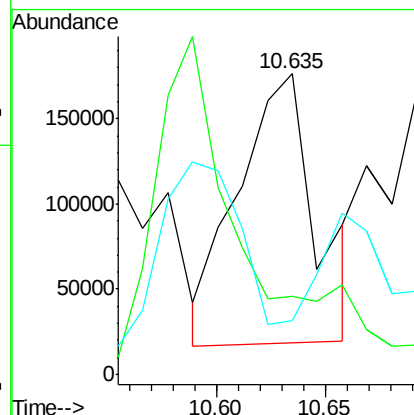
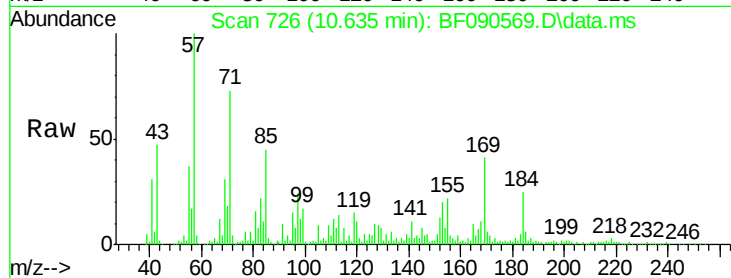
Tot Ion:169 Resp: 394602

Ion Ratio Lower Upper

169 100

168 26.1 54.6 81.8#

167 18.0 29.8 44.8#



#70

Phenanthrene

Concen: 15.31 ng

RT: 11.481 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

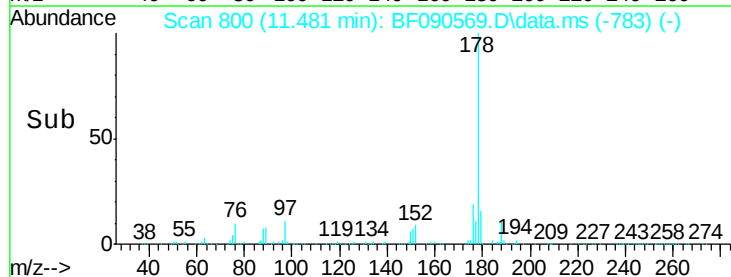
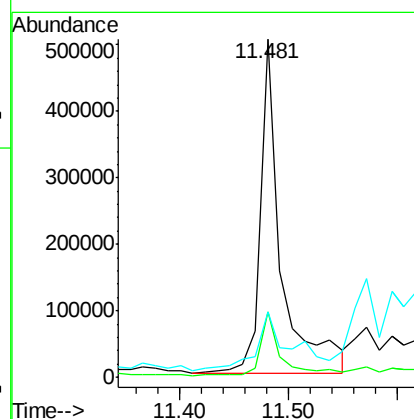
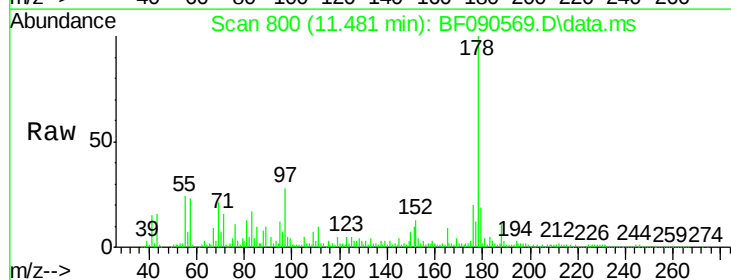
Tgt Ion:178 Resp: 671986

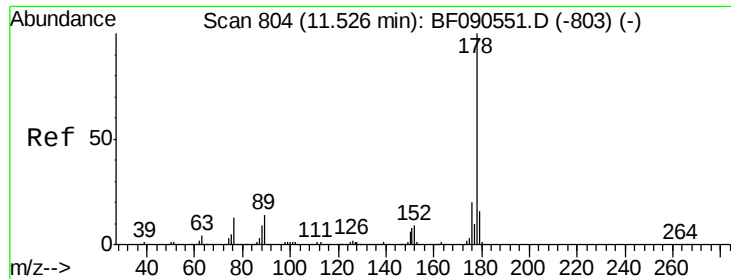
Ion Ratio Lower Upper

178 100

176 19.5 16.1 24.1

179 19.3 12.6 19.0#

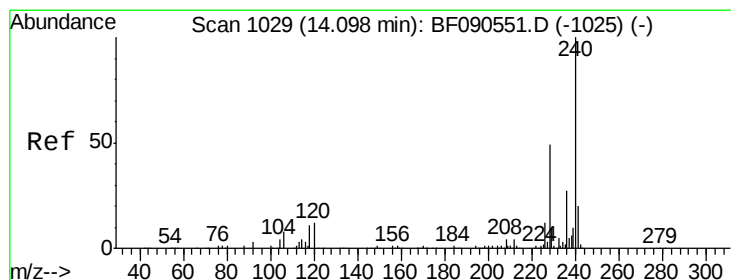
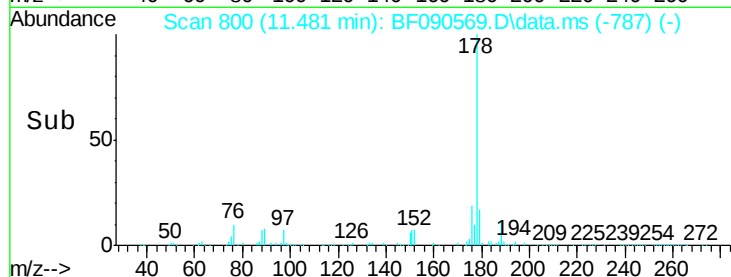
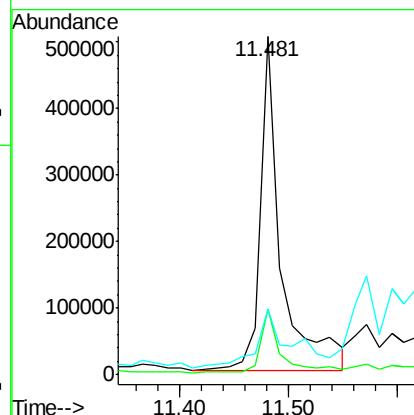
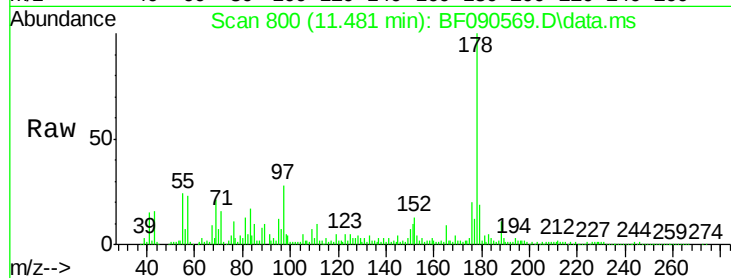




#71
 Anthracene
 Concen: 14.23 ng
 RT: 11.481 min Scan# 80
 Delta R.T. -0.046 min
 Lab File: BF090569.D
 Acq: 14 Oct 2016 14:44

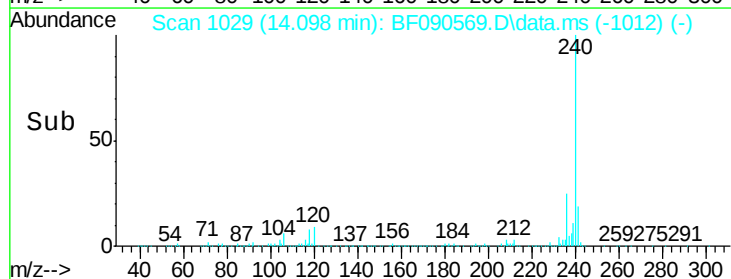
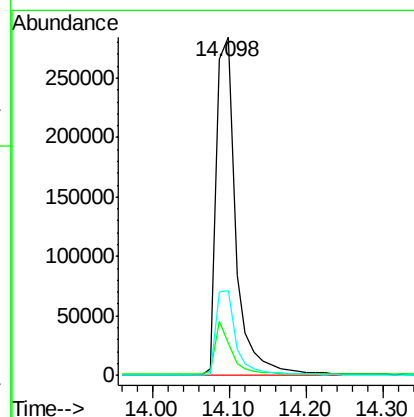
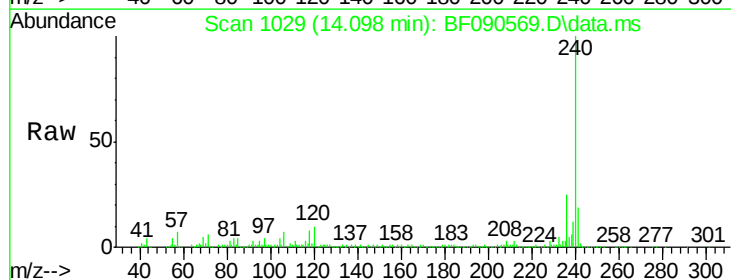
Instrument :
 BNA_F
 ClientSampleId :
 MJSB-18(6-8)

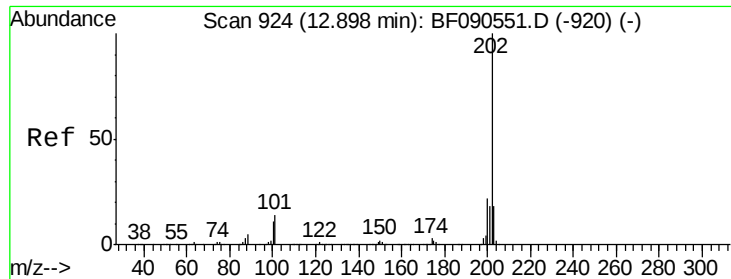
Tot Ion:178 Resp: 671986
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 19.3 13.0 19.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.098 min Scan# 1029
 Delta R.T. -0.000 min
 Lab File: BF090569.D
 Acq: 14 Oct 2016 14:44

Tgt Ion:240 Resp: 507420
 Ion Ratio Lower Upper
 240 100
 120 9.6 9.8 14.8#
 236 25.1 21.7 32.5





#77

Pvrene

Concen: 3.66 ng

RT: 12.898 min Scan# 92

Delta R.T. -0.000 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

Instrument :

BNA_F

ClientSampleId :

MJSB-18(6-8)

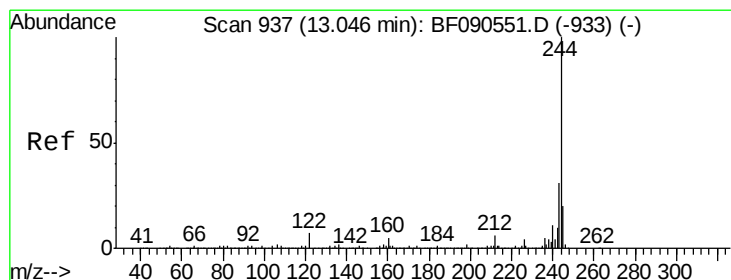
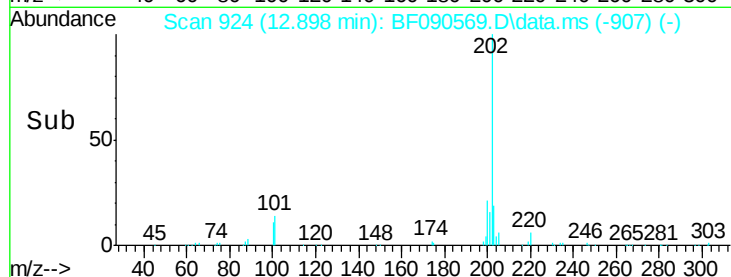
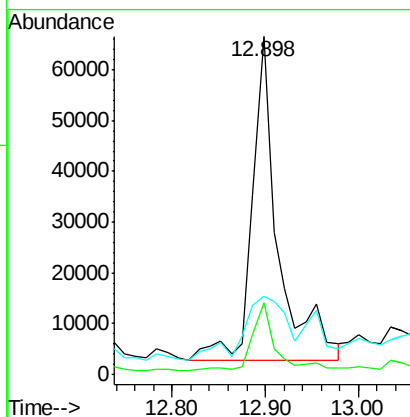
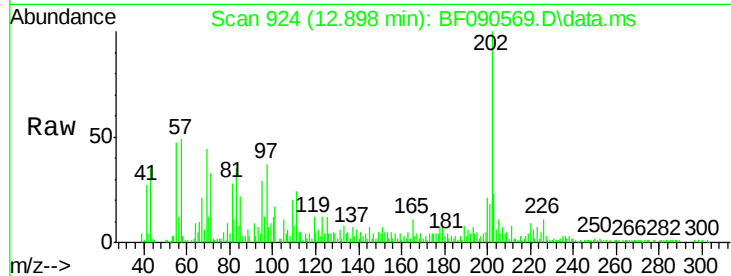
Tot Ion:202 Resp: 122916

Ion Ratio Lower Upper

202 100

200 21.3 17.8 26.6

203 23.0 14.6 21.8#



#78

Terphenyl-d14

Concen: 76.30 ng

RT: 13.035 min Scan# 936

Delta R.T. -0.011 min

Lab File: BF090569.D

Acq: 14 Oct 2016 14:44

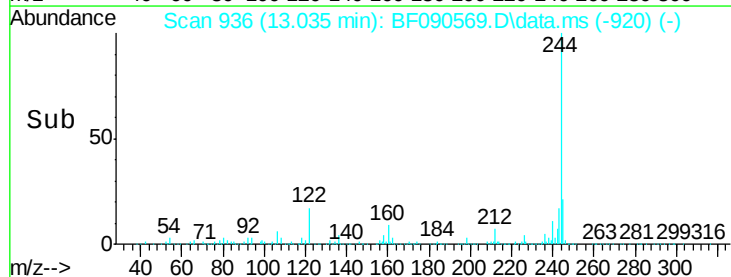
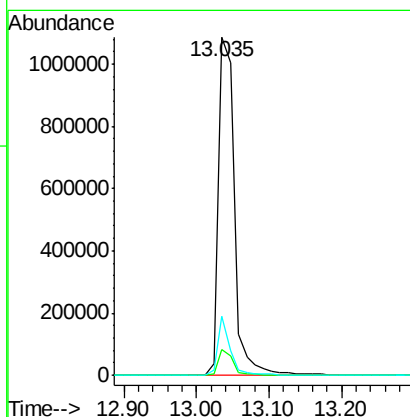
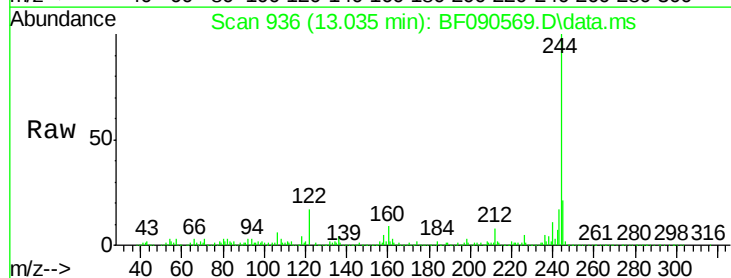
Tgt Ion:244 Resp: 1662757

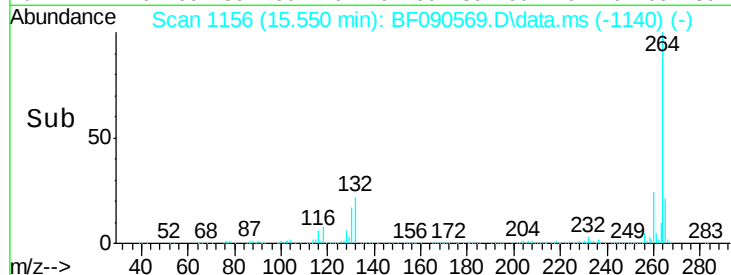
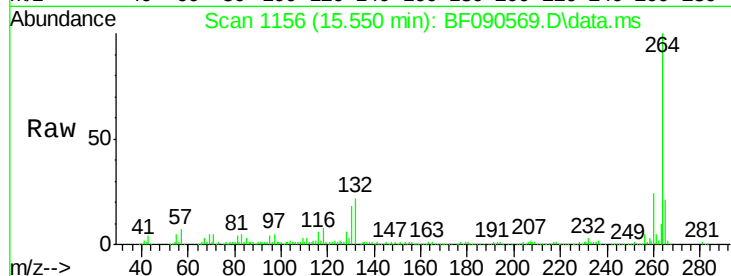
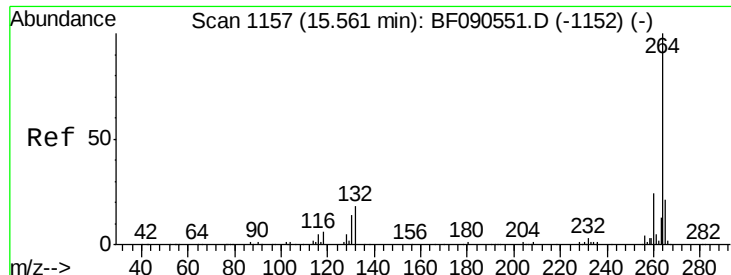
Ion Ratio Lower Upper

244 100

212 7.6 5.0 7.4#

122 17.4 5.6 8.4#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.550 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BF090569.D
 Acq: 14 Oct 2016 14:44

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	21.1	16.7	25.1

Instrument :
 BNA_F
 ClientSampleId :
 MJSB-18(6-8)

