

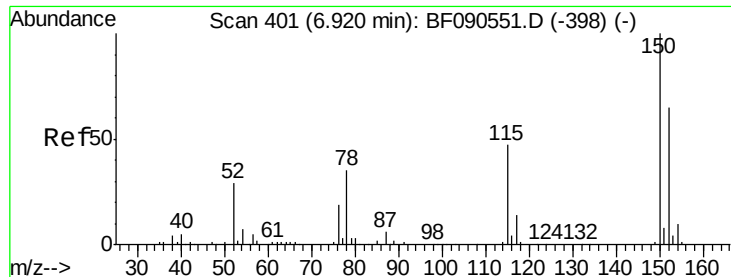
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
 Data File : BF090563.D
 Acq On : 14 Oct 2016 12:01
 Operator : UM/SJ
 Sample : H5157-01DL 4X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MJSB-17(6-8)DL

Quant Time: Oct 14 16:00:17 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	198546	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	706127	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	373363	20.00	ng	0.01
63) Phenanthrene-d10	11.47	188	739241	20.00	ng	0.01
75) Chrysene-d12	14.10	240	467526	20.00	ng	0.00
86) Perylene-d12	15.55	264	368184	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	309546	28.58	ng	-0.01
7) Phenol-d6	6.54	99	449984	27.96	ng	-0.01
23) Nitrobenzene-d5	7.48	82	302931	23.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	116466	34.99	ng	0.01
44) 2-Fluorobiphenyl	9.30	172	416240	18.37	ng	0.01
78) Terphenyl-d14	13.05	244	407094	20.27	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.93	142	379271	17.95	ng	98
49) Dimethylphthalate	9.69	163	117603	4.85	ng	# 69
51) Acenaphthene	10.01	154	191801	8.55	ng	# 87
57) Fluorene	10.53	166	368549	15.15	ng	# 89
70) Phenanthrene	11.49	178	1391486	35.26	ng	# 96
74) Fluoranthene	12.68	202	154006	3.88	ng	89
77) Pyrene	12.90	202	214215	6.92	ng	# 91

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

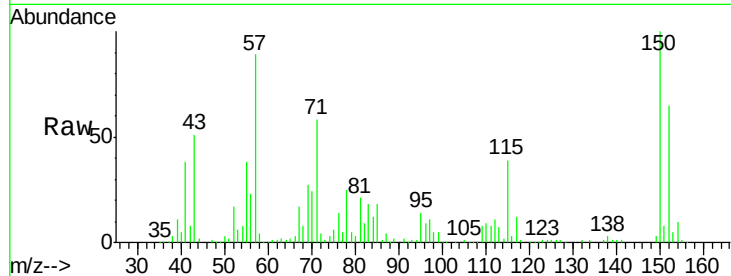


#1

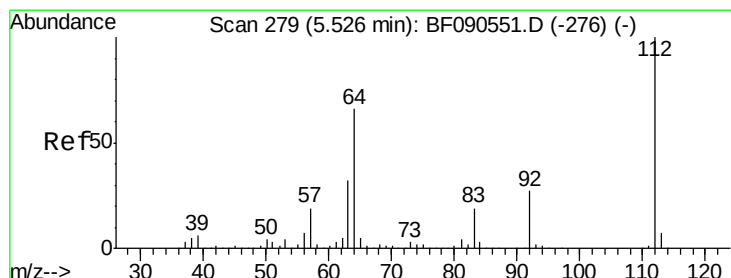
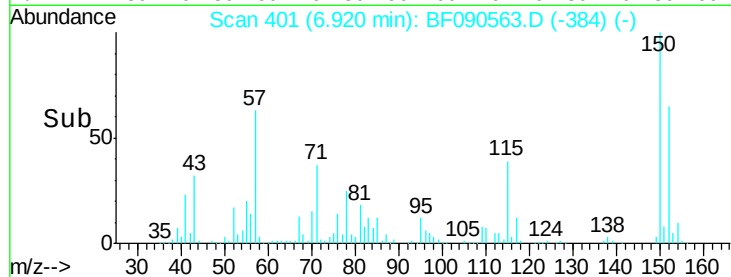
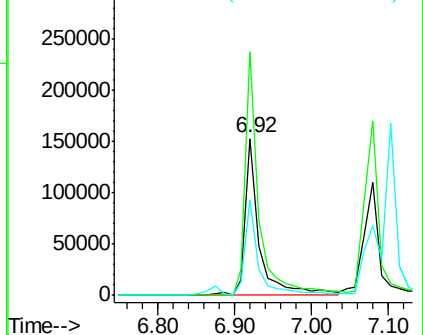
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 401
Delta R.T. 0.00 min
Lab File: BF090563.D
Acq: 14 Oct 2016 12:01

Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)DL

Tot Ion:152 Resp: 198546
Ion Ratio Lower Upper
152 100
150 154.9 127.2 190.8
115 60.1 58.6 88.0



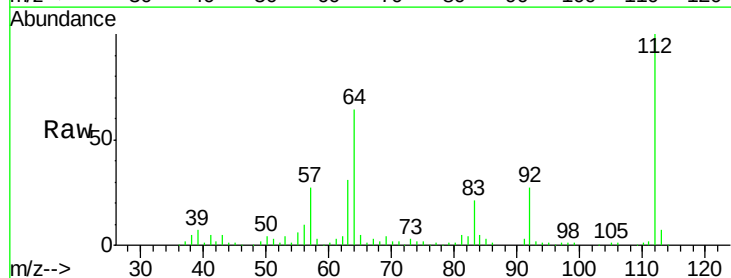
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



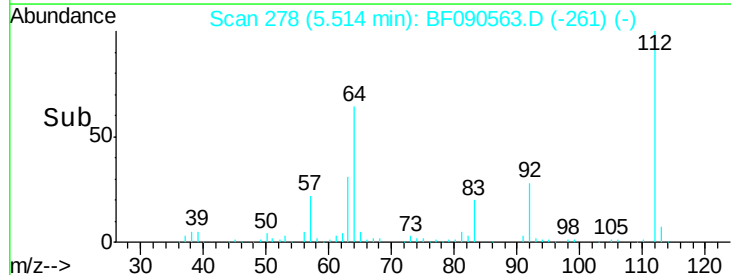
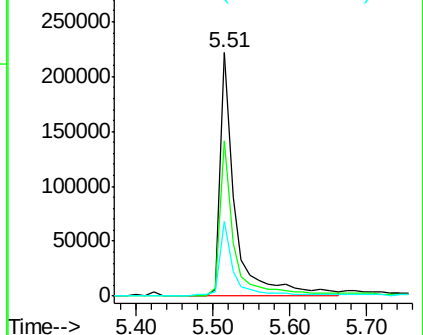
#5

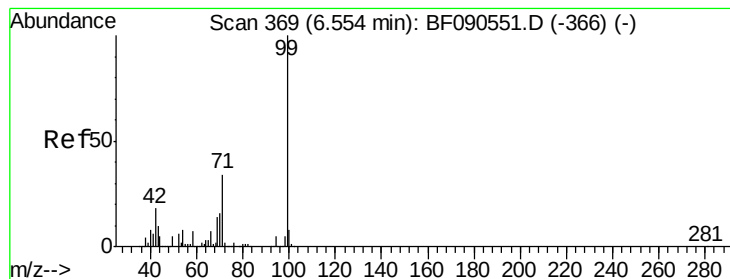
2-Fluorophenol
Concen: 28.58 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.01 min
Lab File: BF090563.D
Acq: 14 Oct 2016 12:01

Tgt Ion:112 Resp: 309546
Ion Ratio Lower Upper
112 100
64 63.6 52.6 78.8
63 30.6 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.96 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA_F

ClientSampleId :

MJSB-17(6-8)DL

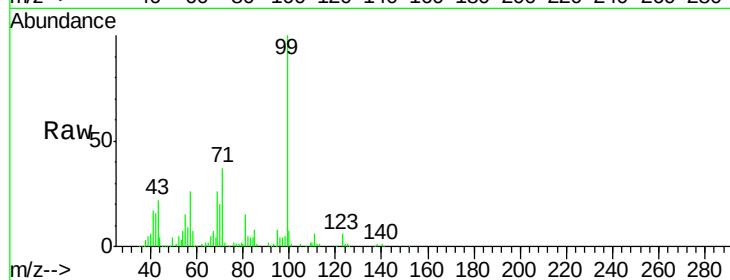
Tot Ion: 99 Resp: 449984

Ion Ratio Lower Upper

99 100

42 16.0 14.7 22.1

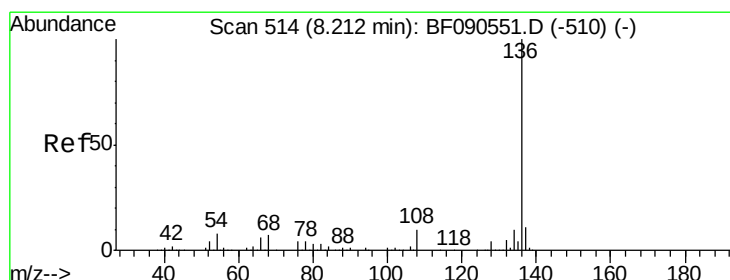
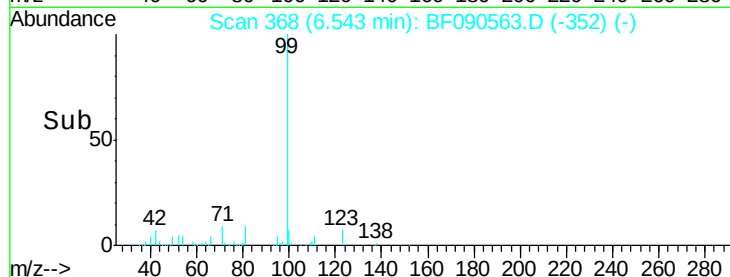
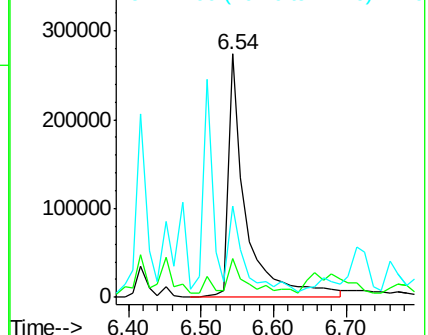
71 37.4 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Tgt Ion: 136 Resp: 706127

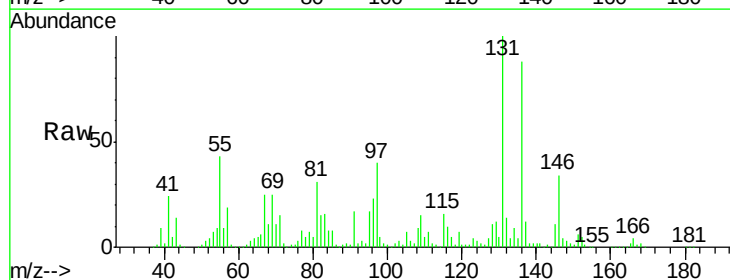
Ion Ratio Lower Upper

136 100

137 13.9 8.8 13.2#

54 10.7 6.8 10.2#

68 13.1 6.0 9.0#

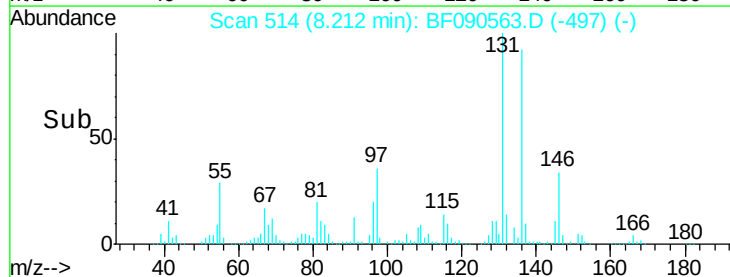
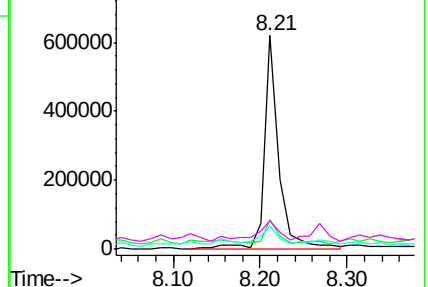


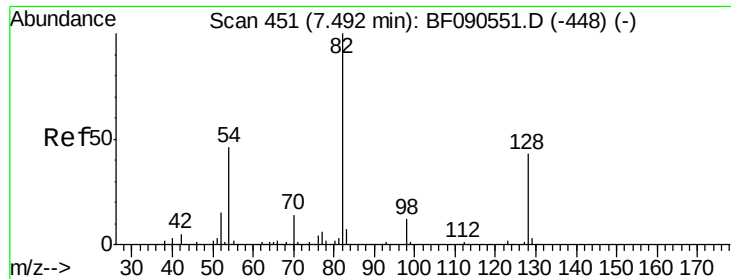
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

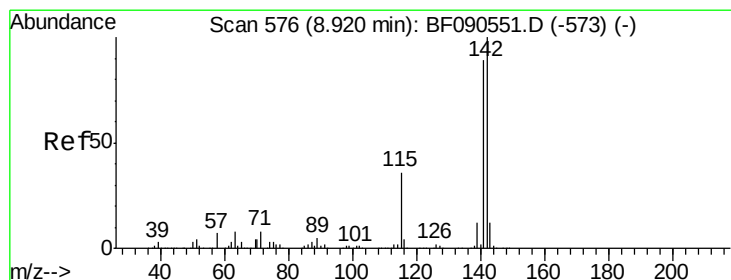
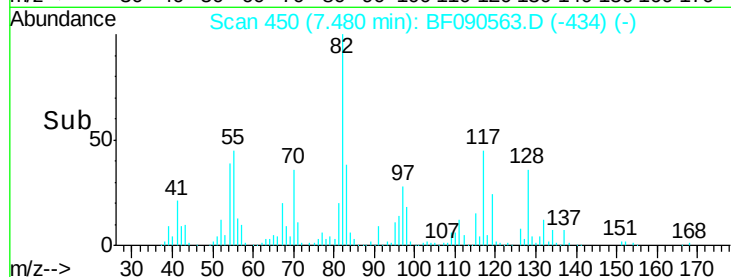
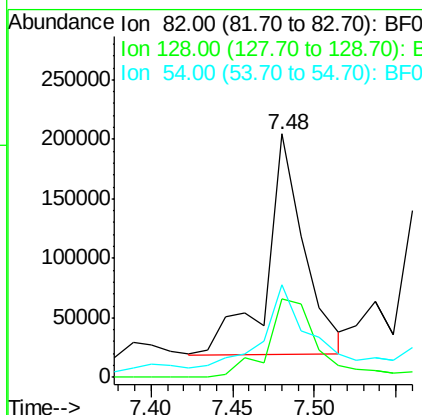
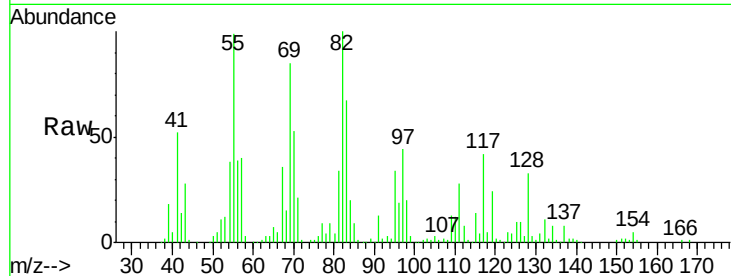




#23
 Nitrobenzene-d5
 Concen: 23.83 ng
 RT: 7.48 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: BF090563.D
 Acq: 14 Oct 2016 12:01

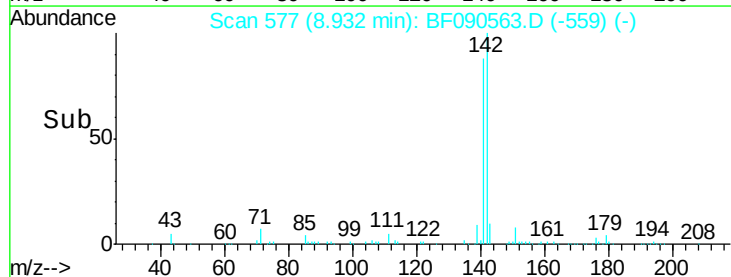
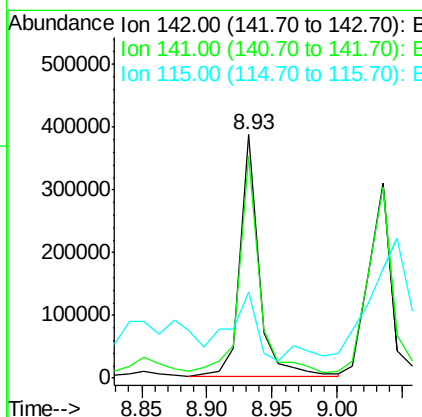
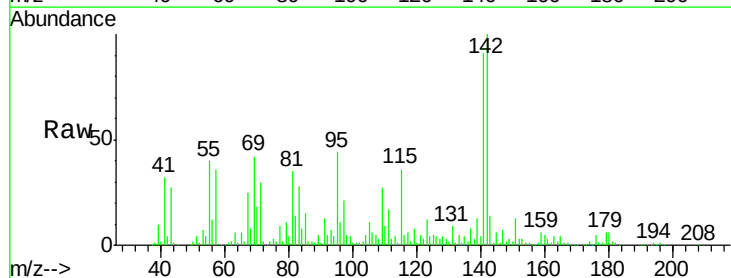
Instrument :
 BNA_F
 ClientSampleId :
 MJSB-17(6-8)DL

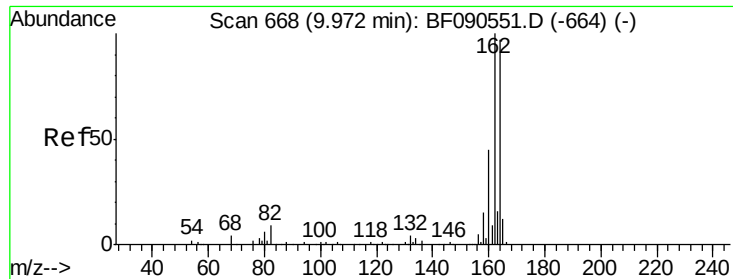
Tot Ion: 82 Resp: 302931
 Ion Ratio Lower Upper
 82 100
 128 32.5 34.3 51.5#
 54 38.2 37.0 55.6



#37
 2-Methylnaphthalene
 Concen: 17.95 ng
 RT: 8.93 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF090563.D
 Acq: 14 Oct 2016 12:01

Tgt Ion: 142 Resp: 379271
 Ion Ratio Lower Upper
 142 100
 141 91.1 71.3 106.9
 115 35.5 28.8 43.2

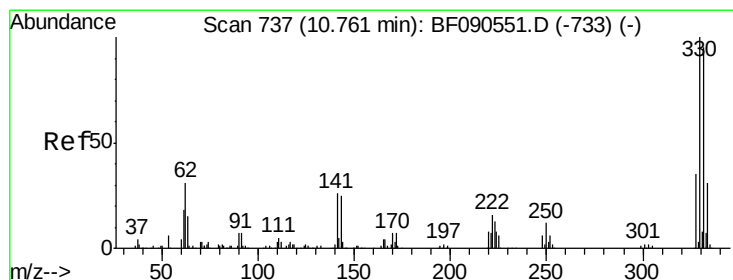
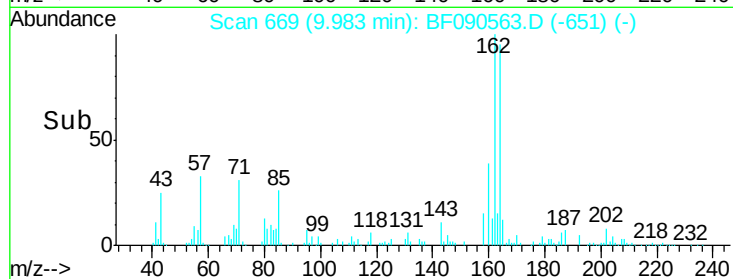
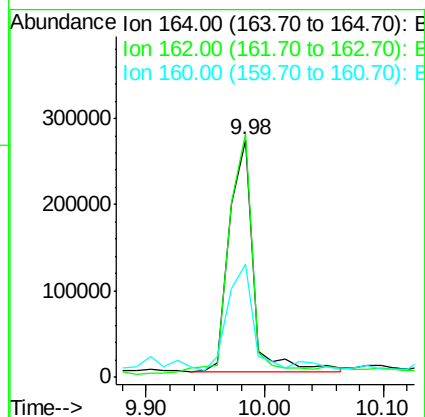
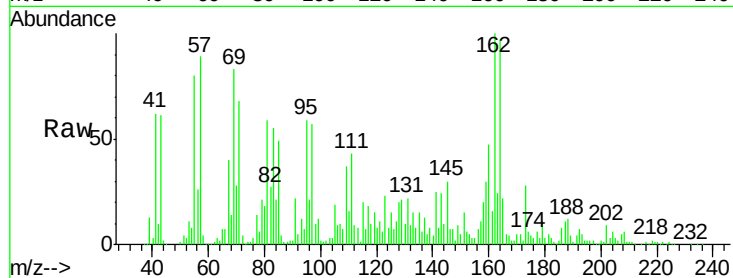




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: BF090563.D
 Acq: 14 Oct 2016 12:01

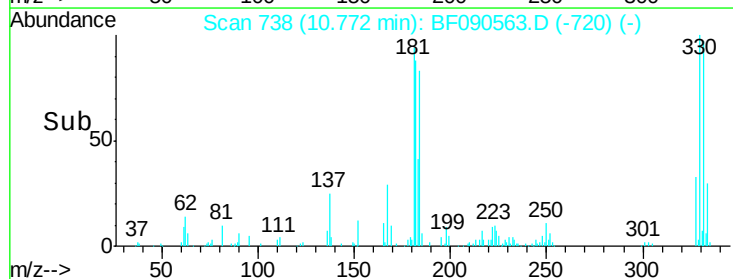
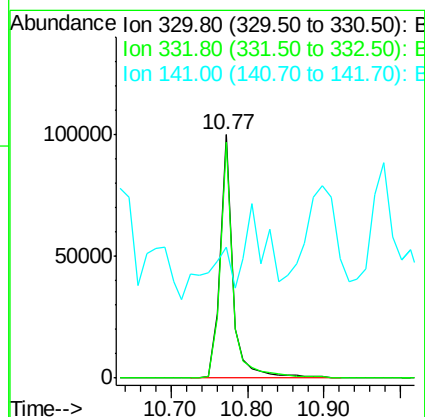
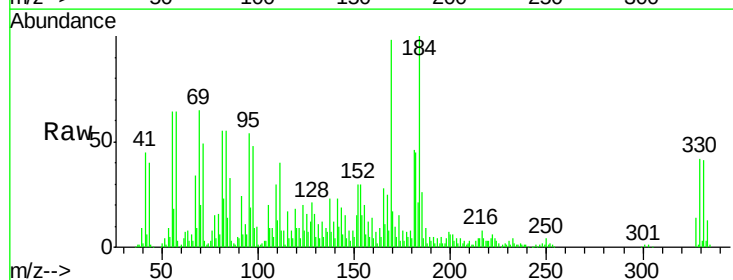
Instrument :
 BNA_F
 ClientSampleId :
 MJSB-17(6-8)DL

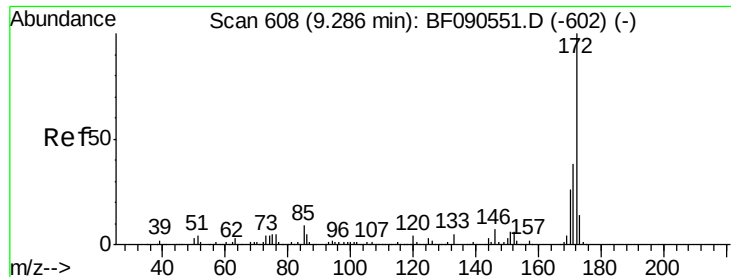
Tot Ion:164 Resp: 373363
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.2 123.4
 160 47.8 36.6 55.0



#41
 2,4,6-Tribromophenol
 Concen: 34.99 ng
 RT: 10.77 min Scan# 738
 Delta R.T. 0.01 min
 Lab File: BF090563.D
 Acq: 14 Oct 2016 12:01

Tgt Ion:330 Resp: 116466
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.2 114.2
 141 44.3 31.4 47.2

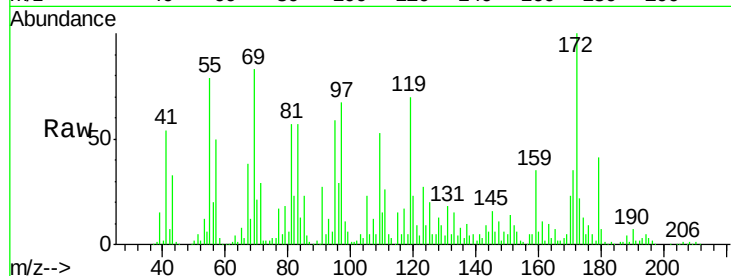




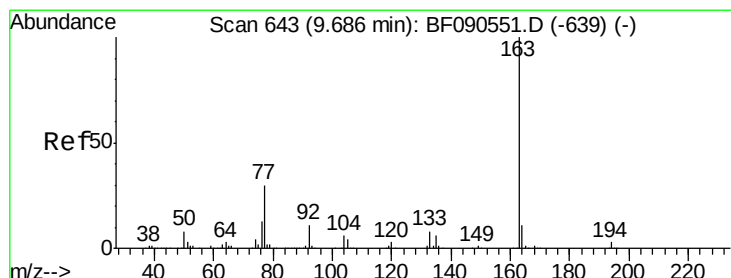
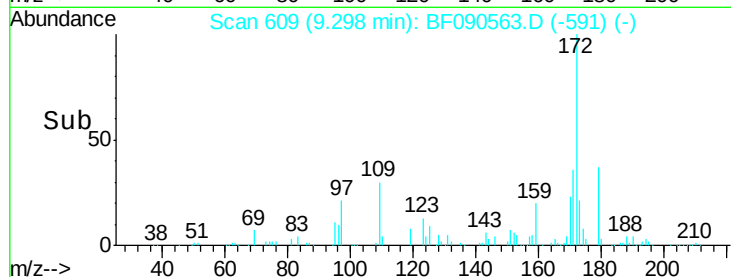
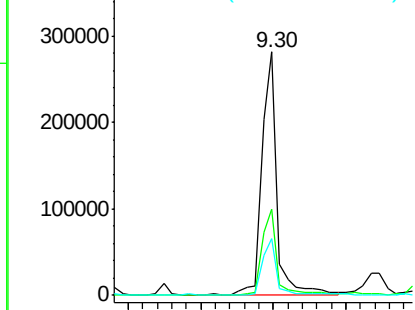
#44
2-Fluorobiphenyl
Concen: 18.37 ng
RT: 9.30 min Scan# 609
Delta R.T. 0.01 min
Lab File: BF090563.D
Acq: 14 Oct 2016 12:01

Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)DL

Tot Ion:172 Resp: 416240
Ion Ratio Lower Upper
172 100
171 35.3 30.1 45.1
170 23.1 20.6 30.8

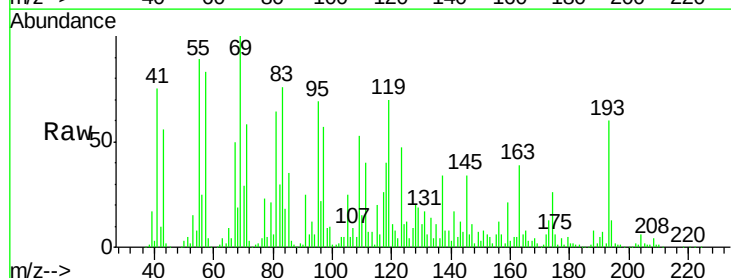


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

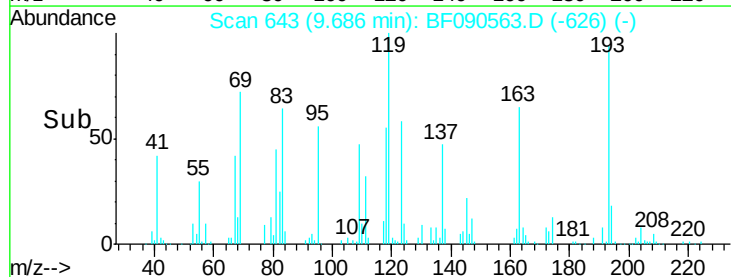
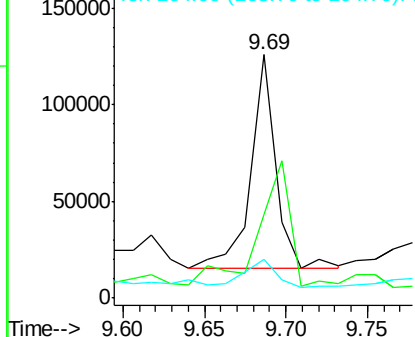


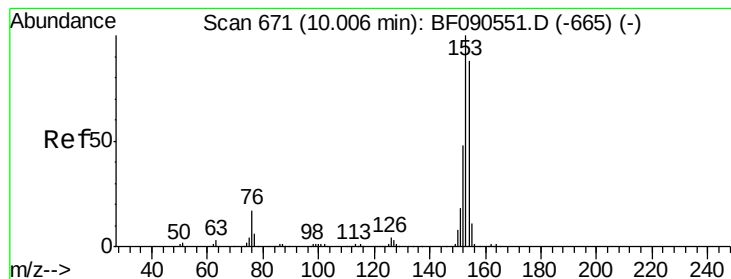
#49
Dimethylphthalate
Concen: 4.85 ng
RT: 9.69 min Scan# 643
Delta R.T. 0.00 min
Lab File: BF090563.D
Acq: 14 Oct 2016 12:01

Tgt Ion:163 Resp: 117603
Ion Ratio Lower Upper
163 100
194 34.4 2.3 3.5#
164 16.1 8.6 13.0#



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





#51

Acenaphthene

Concen: 8.55 ng

RT: 10.01 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA_F

ClientSampleId :

MJSB-17(6-8)DL

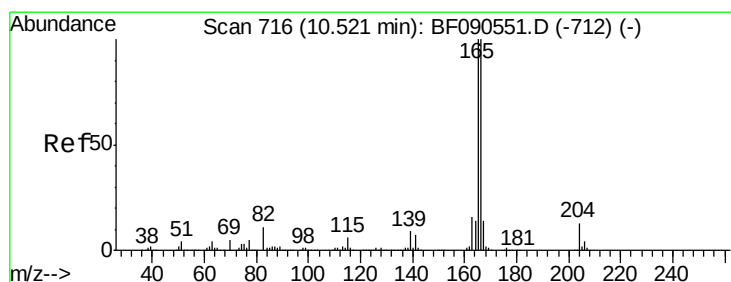
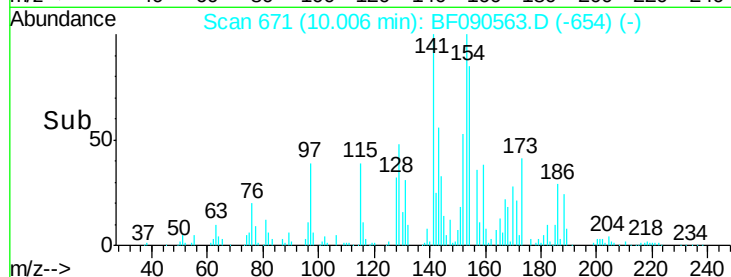
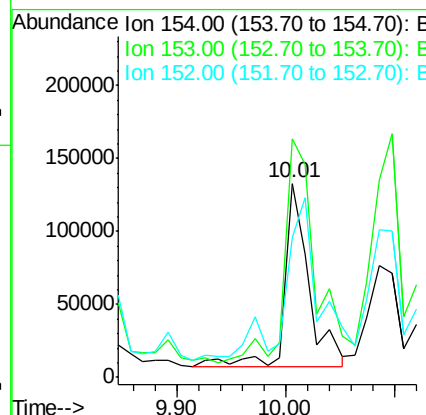
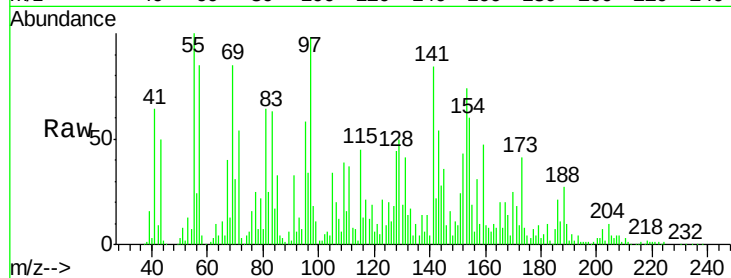
Tot Ion:154 Resp: 191801

Ion Ratio Lower Upper

154 100

153 122.9 91.2 136.8

152 72.3 44.0 66.0#



#57

Fluorene

Concen: 15.15 ng

RT: 10.53 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

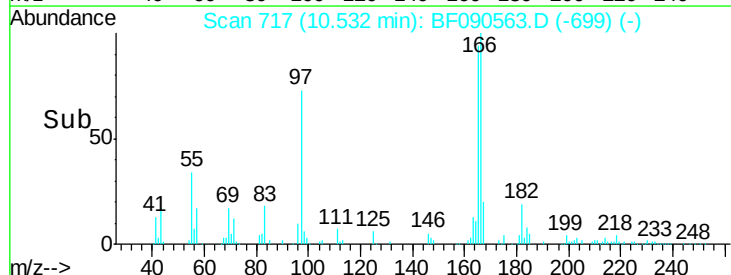
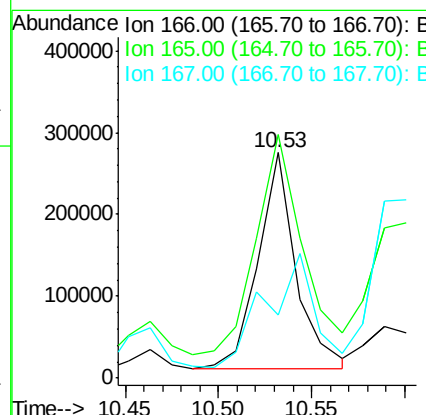
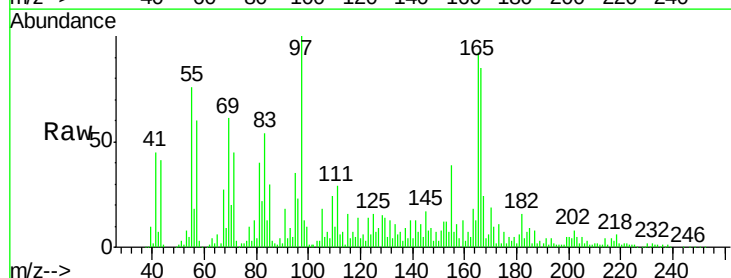
Tgt Ion:166 Resp: 368549

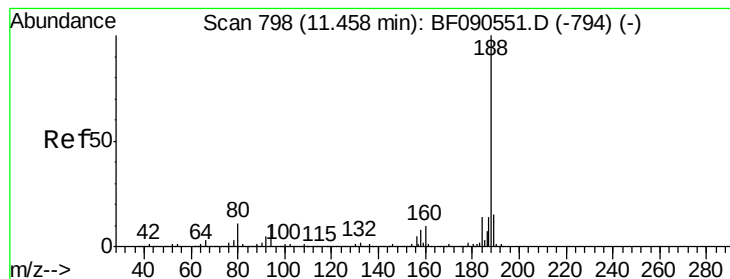
Ion Ratio Lower Upper

166 100

165 108.0 79.9 119.9

167 28.1 10.9 16.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 799

Delta R.T. 0.01 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA_F

ClientSampleId :

MJSB-17(6-8)DL

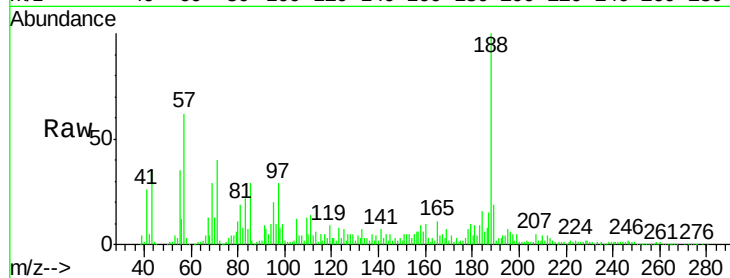
Tot Ion:188 Resp: 739241

Ion Ratio Lower Upper

188 100

94 10.4 7.7 11.5

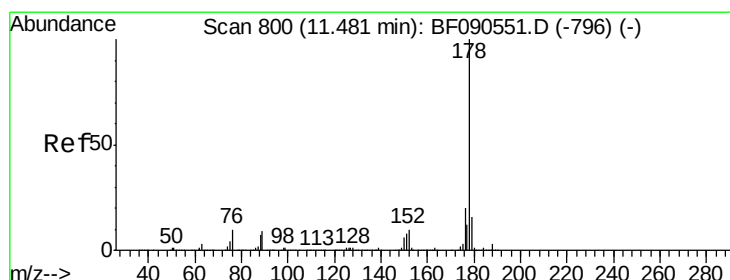
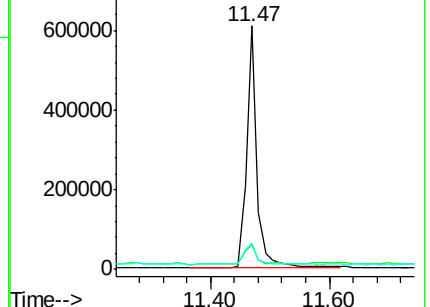
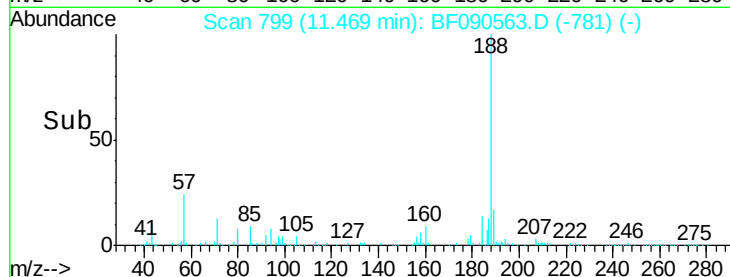
80 10.9 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 35.26 ng

RT: 11.49 min Scan# 801

Delta R.T. 0.01 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

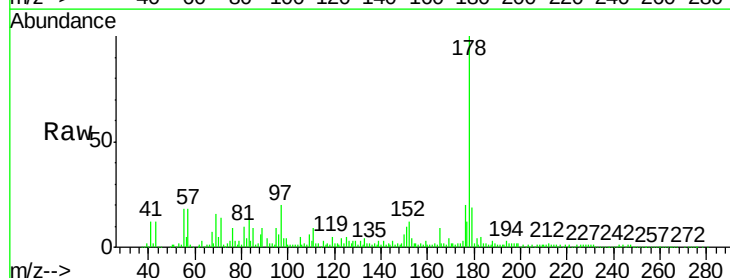
Tgt Ion:178 Resp: 1391486

Ion Ratio Lower Upper

178 100

176 20.0 16.1 24.1

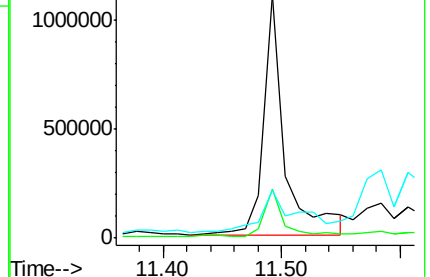
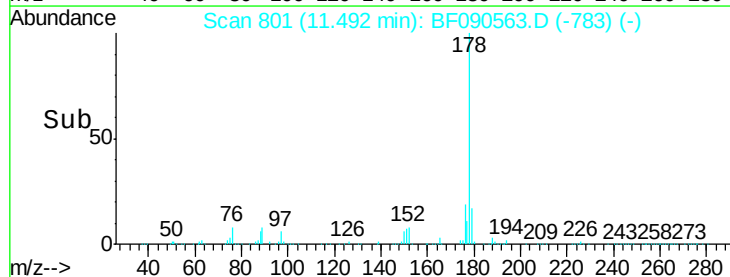
179 19.4 12.6 19.0#

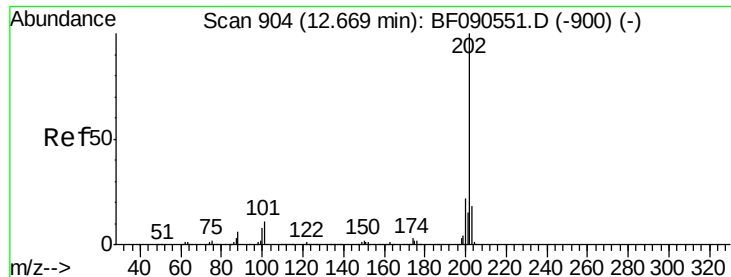


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.88 ng

RT: 12.68 min Scan# 905

Delta R.T. 0.01 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

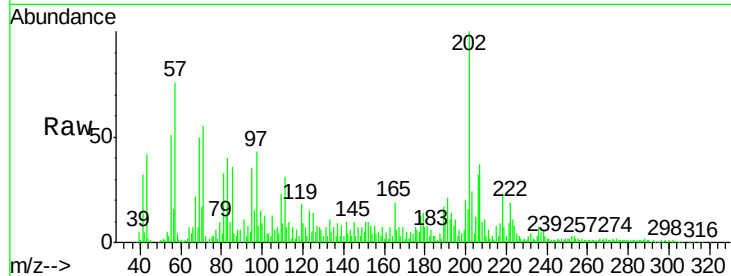
Instrument :

BNA_F

ClientSampleId :

MJSB-17(6-8)DL

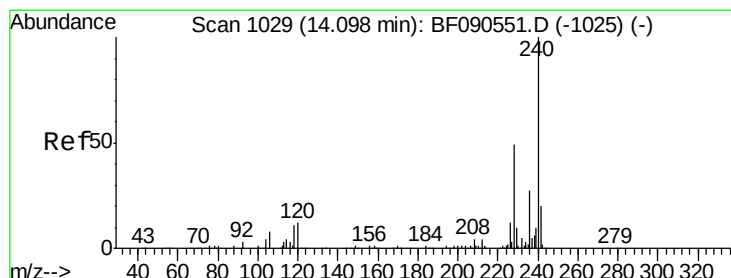
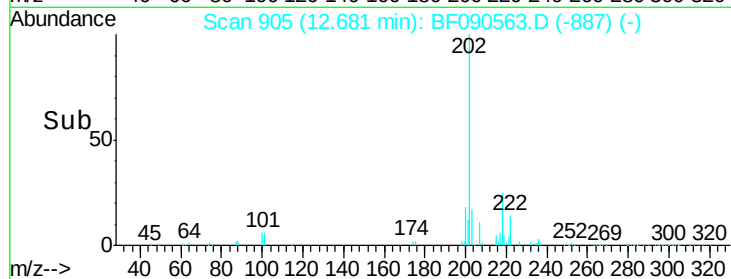
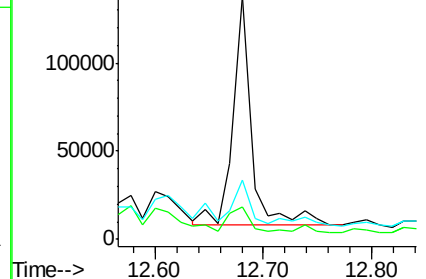
Tot Ion:	202	Resp:	154006
Ion Ratio		Lower	Upper
202	100		
101	13.2	0.0	31.1
203	24.3	0.0	38.0



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

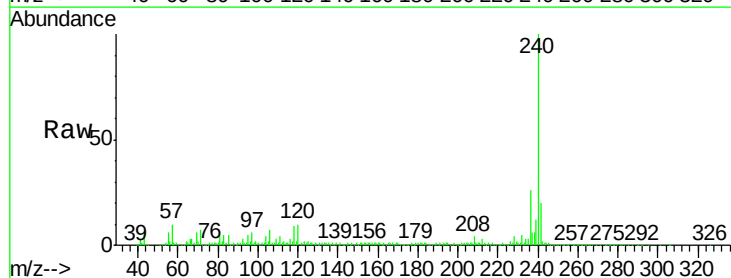
RT: 14.10 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

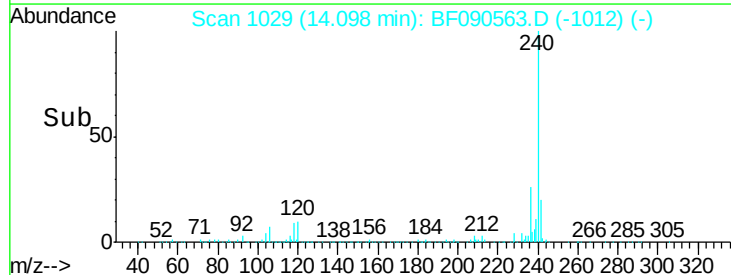
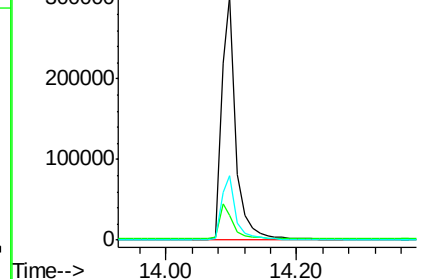
Tgt Ion:	240	Resp:	467526
Ion Ratio		Lower	Upper
240	100		
120	10.3	9.8	14.8
236	26.3	21.7	32.5

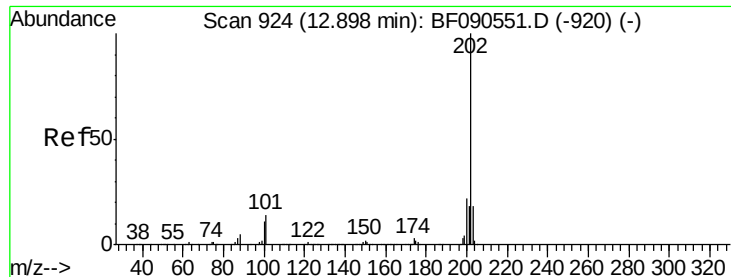


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.92 ng

RT: 12.90 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA_F

ClientSampleId :

MJSB-17(6-8)DL

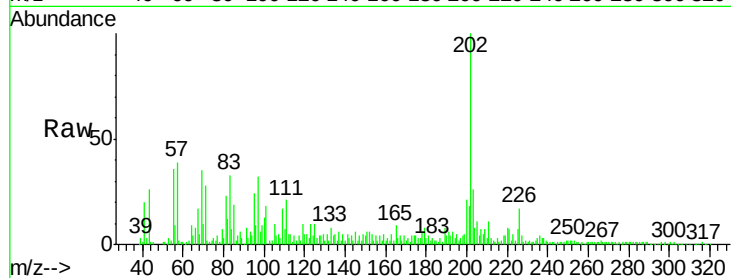
Tot Ion:202 Resp: 214215

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

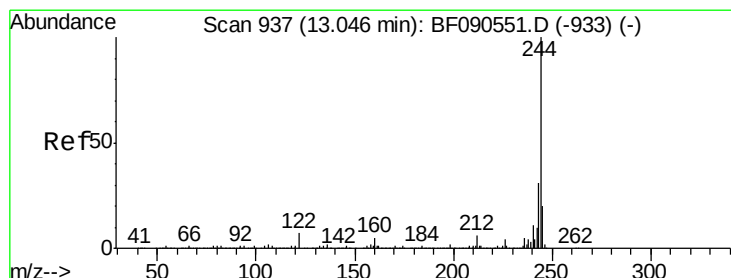
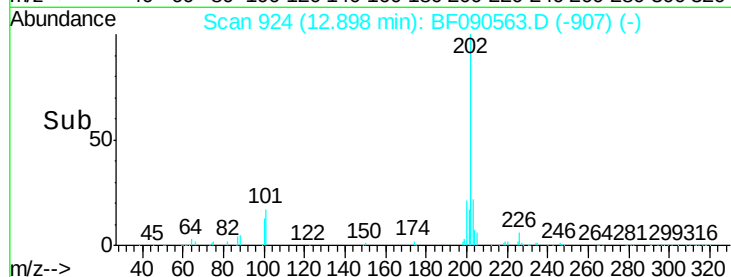
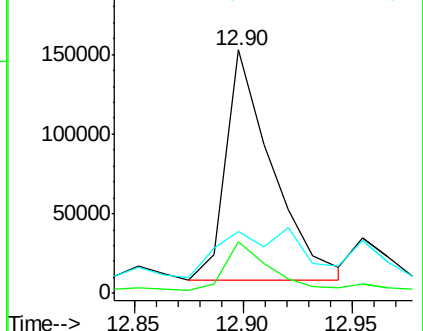
203 25.5 14.6 21.8#



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: 20.27 ng

RT: 13.05 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

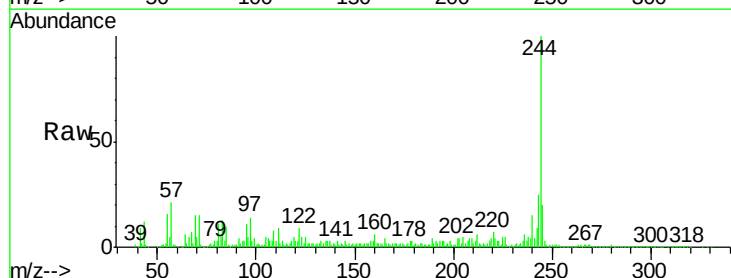
Tgt Ion:244 Resp: 407094

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

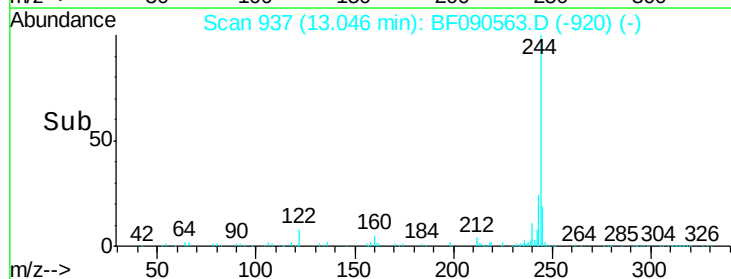
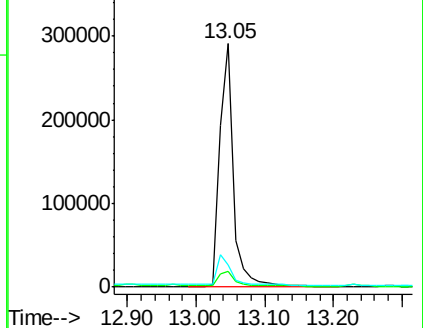
122 9.2 5.6 8.4#

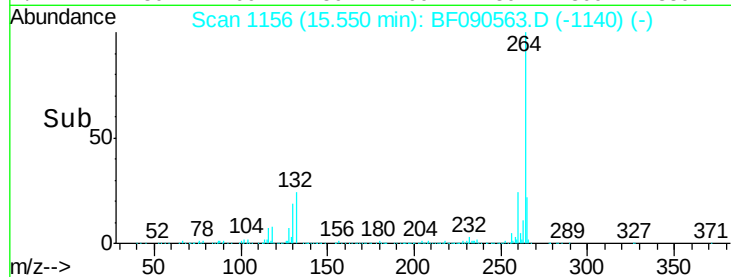
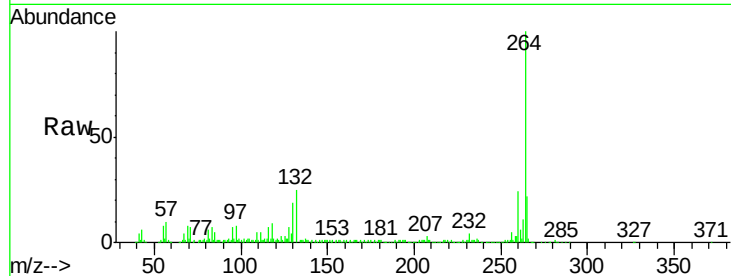
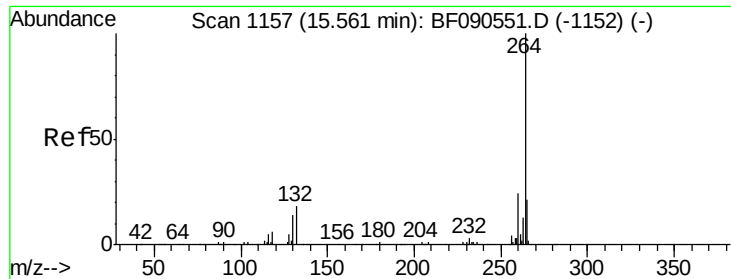


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.55 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF090563.D
 Acq: 14 Oct 2016 12:01

Instrument :
 BNA_F
 ClientSampleId :
 MJSB-17(6-8)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	22.2	16.7	25.1

