

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090994.D
 Acq On : 2 Nov 2016 21:51
 Operator : UM/SJ
 Sample : H5509-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1-0.5-1.0

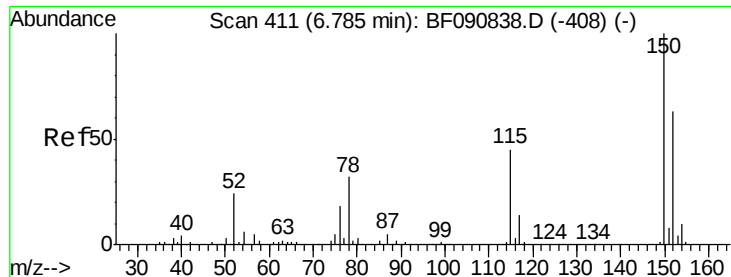
Quant Time: Nov 02 23:15:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	180575	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	769719	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	349954	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	506426	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	308028	20.00	ng	-0.03
86) Perylene-d12	15.28	264	285696	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1491571	144.42	ng	-0.01
7) Phenol-d6	6.37	99	2243571	161.02	ng	-0.02
23) Nitrobenzene-d5	7.29	82	1434006	121.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	491477	136.66	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	2138652	107.31	ng	-0.02
78) Terphenyl-d14	12.83	244	1467985	120.07	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.38	94	49519	3.22	ng	# 33
15) Benzyl Alcohol	6.88	79	23516	2.57	ng	# 33
19) n-Nitroso-di-n-propylamine	7.29	70	195252	24.24	ng	# 55
25) Isophorone	7.29	82	1249572	52.37	ng	# 58
49) Dimethylphthalate	9.49	163	804498	34.41	ng	# 97
55) 4-Nitrophenol	9.97	139	8896	2.65	ng	# 25
56) 2,4-Dinitrotoluene	9.76	165	45364	7.07	ng	# 34
66) 4-Bromophenyl-phenylether	10.56	248	36134	6.52	ng	# 1
70) Phenanthrene	11.26	178	271925	10.54	ng	96
71) Anthracene	11.32	178	69163	2.55	ng	99
74) Fluoranthene	12.45	202	248140	8.79	ng	94
77) Pyrene	12.68	202	182954	9.39	ng	97
80) Benzo(a)anthracene	13.87	228	103023	6.30	ng	95
82) Chrysene	13.87	228	103023	6.23	ng	97
87) Benzo(b)fluoranthene	14.89	252	105543	5.49	ng	# 92
88) Benzo(k)fluoranthene	14.89	252	105543	6.95	ng	# 92
89) Benzo(a)pyrene	15.21	252	52164	3.16	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S-1-0.5-1.0

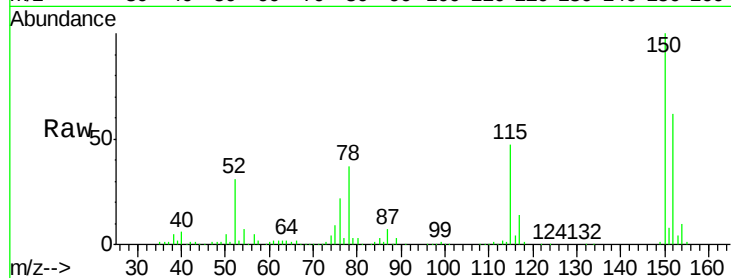
Tgt Ion:152 Resp: 180575

Ion Ratio Lower Upper

152 100

150 160.5 124.7 187.1

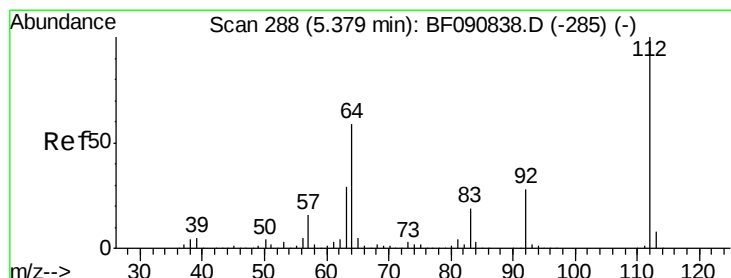
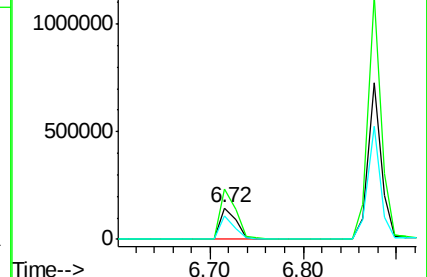
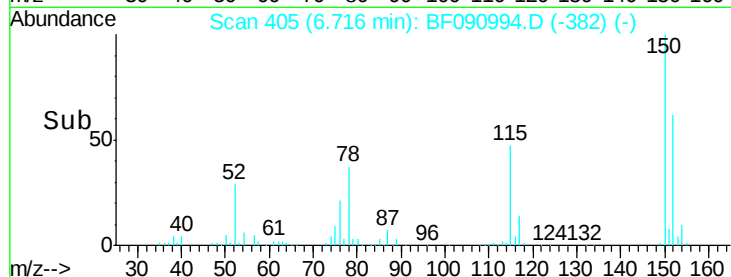
115 75.8 39.0 58.4#



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: 144.42 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

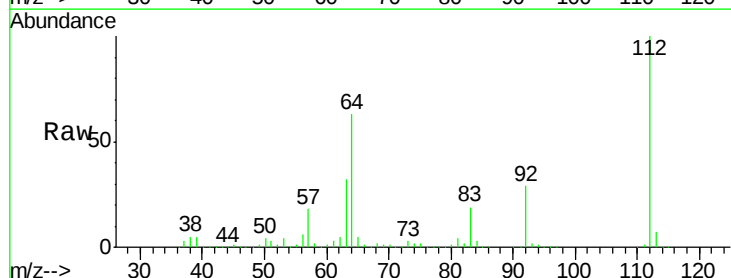
Tgt Ion:112 Resp: 1491571

Ion Ratio Lower Upper

112 100

64 63.0 39.7 59.5#

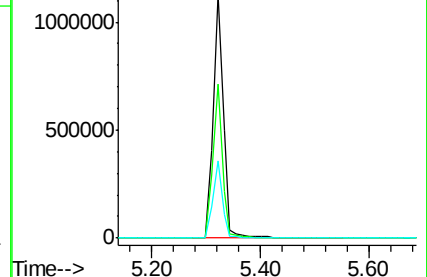
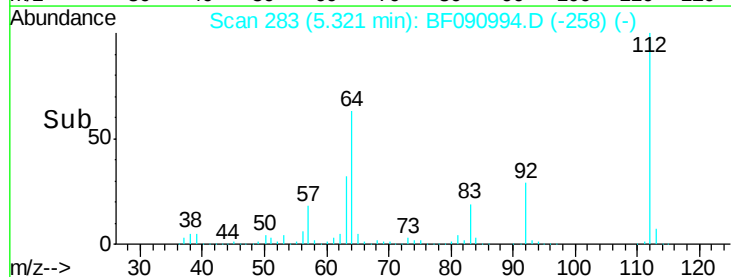
63 31.8 17.4 26.0#

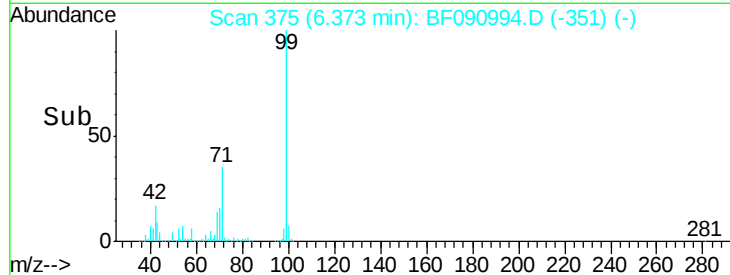
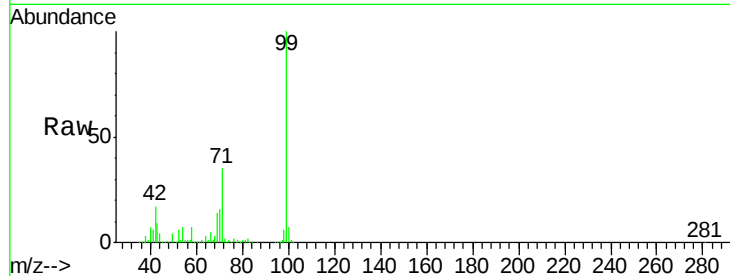
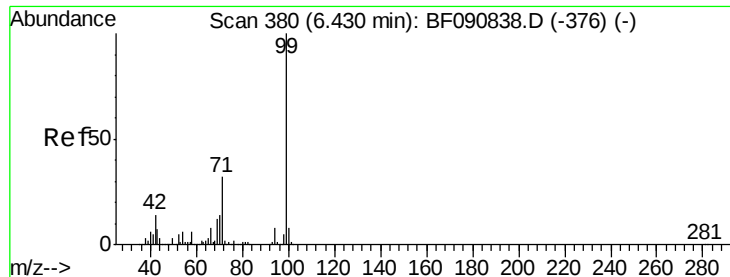


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 161.02 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S-1-0.5-1.0

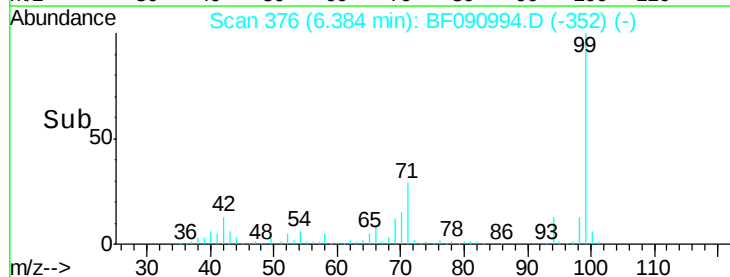
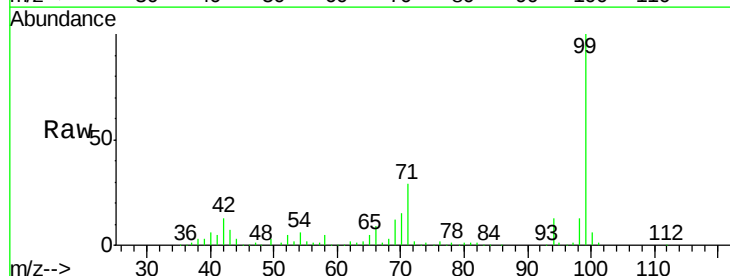
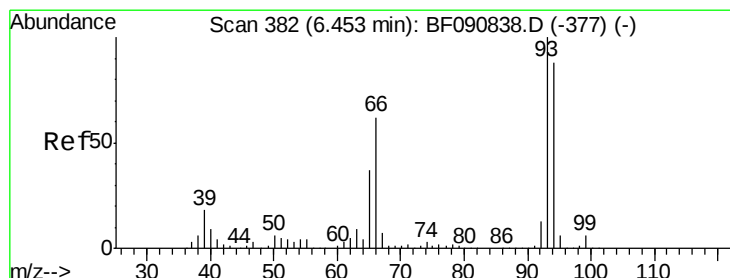
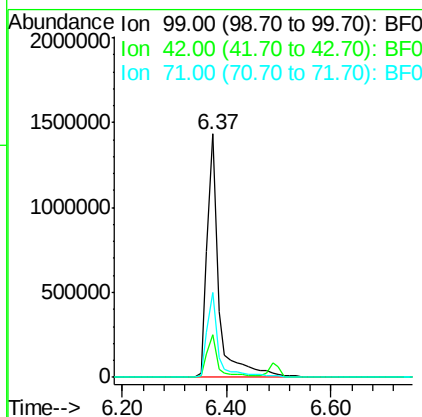
Tgt Ion: 99 Resp: 2243571

Ion Ratio Lower Upper

99 100

42 17.3 13.7 20.5

71 34.7 14.2 21.2#



#10

Phenol

Concen: 3.22 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

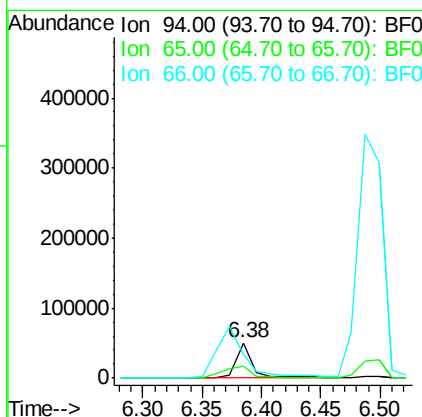
Tgt Ion: 94 Resp: 49519

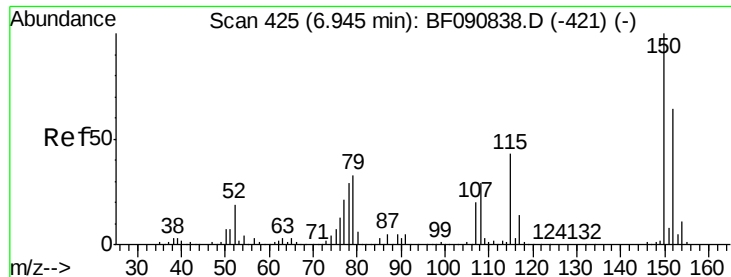
Ion Ratio Lower Upper

94 100

65 35.7 0.7 40.7

66 68.5 0.8 40.8#

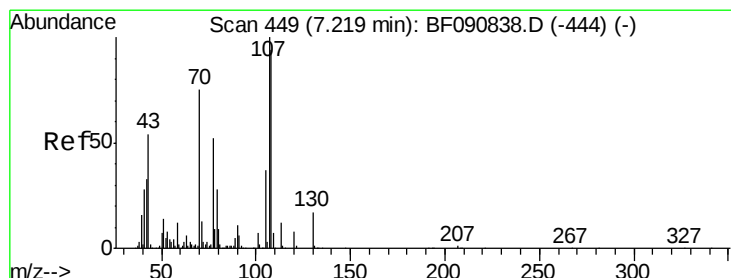
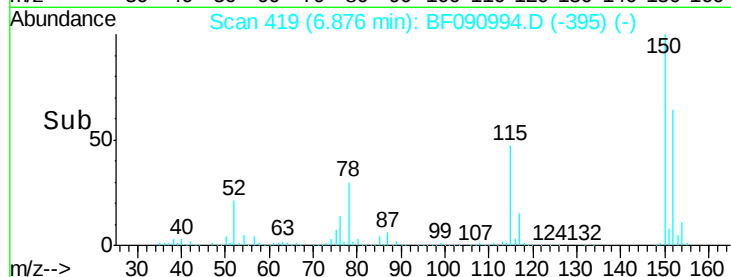
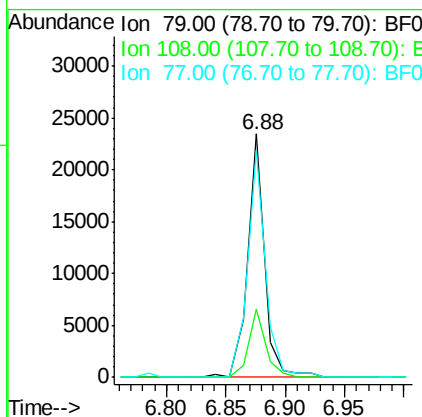
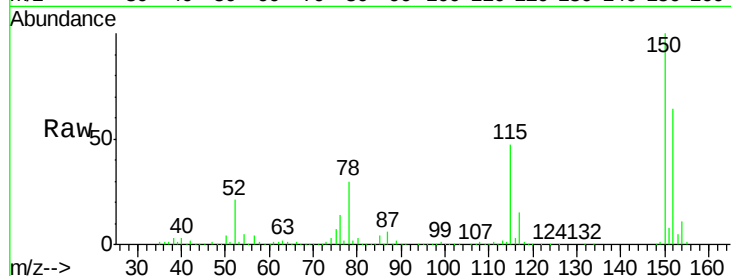




#15
Benzyl Alcohol
Concen: 2.57 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.02 min
Lab File: BF090994.D
Acq: 2 Nov 2016 21:51

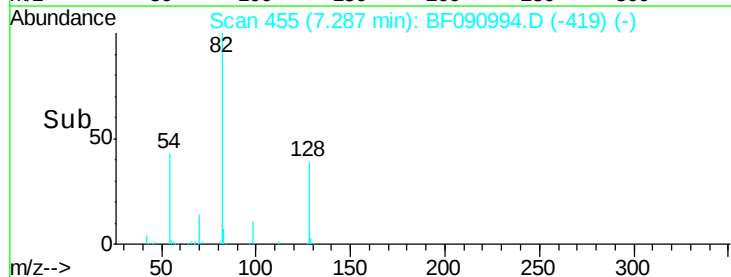
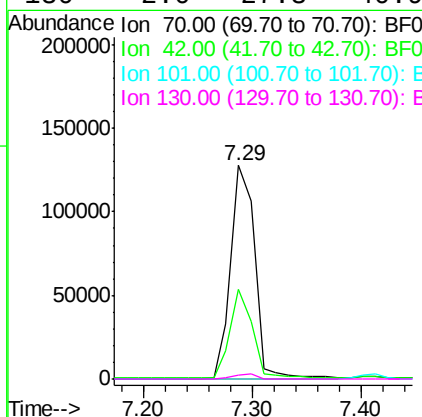
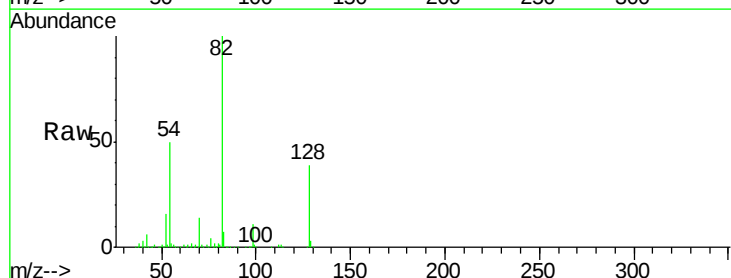
Instrument :
BNA_F
ClientSampleId :
S-1-0.5-1.0

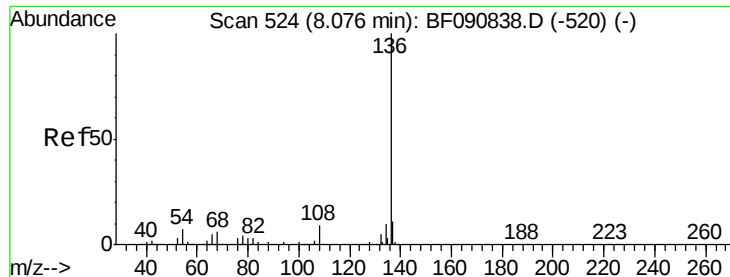
Tgt Ion: 79 Resp: 23516
Ion Ratio Lower Upper
79 100
108 28.1 88.6 132.8#
77 93.4 47.0 70.4#



#19
n-Nitroso-di-n-propylamine
Concen: 24.24 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.11 min
Lab File: BF090994.D
Acq: 2 Nov 2016 21:51

Tgt Ion: 70 Resp: 195252
Ion Ratio Lower Upper
70 100
42 41.7 63.8 95.6#
101 0.0 9.2 13.8#
130 2.0 27.3 40.9#

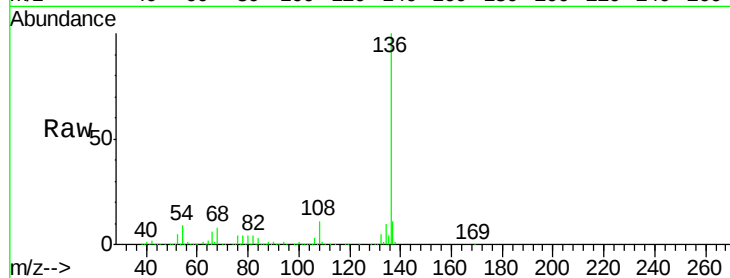




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF090994.D
Acq: 2 Nov 2016 21:51

Instrument :
BNA_F
ClientSampleId :
S-1-0.5-1.0

Tgt Ion:	136	Resp:	769719
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	9.4	8.2	12.2
68	8.2	5.8	8.6



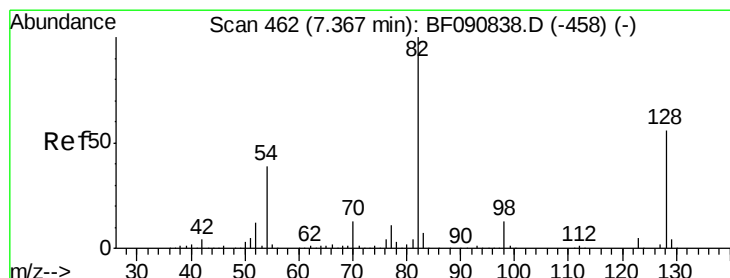
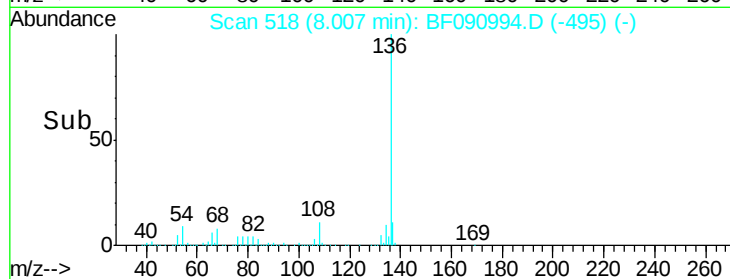
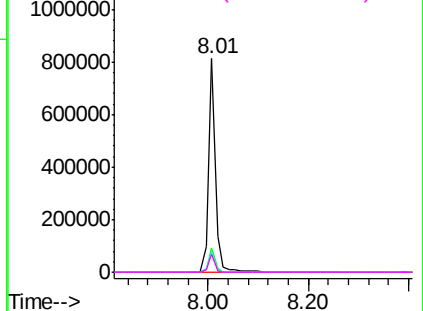
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

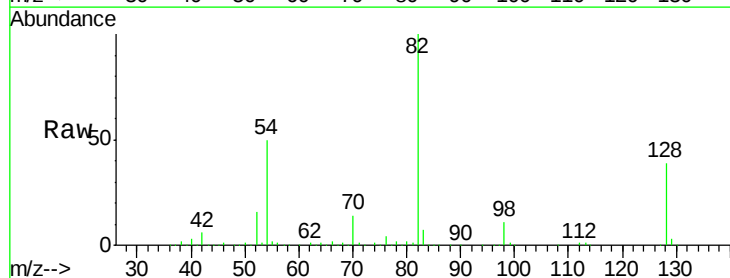
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 121.96 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF090994.D
Acq: 2 Nov 2016 21:51

Tgt Ion:	82	Resp:	1434006
Ion	Ratio	Lower	Upper
82	100		
128	39.3	51.0	76.6#
54	49.6	47.5	71.3

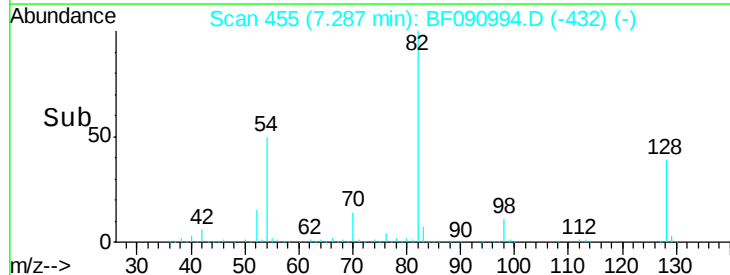
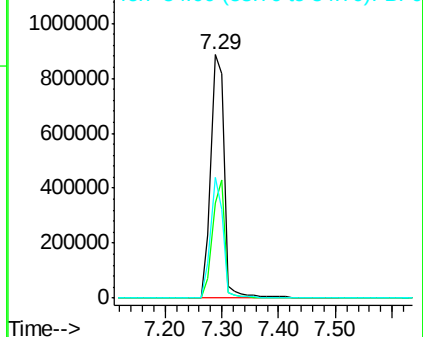


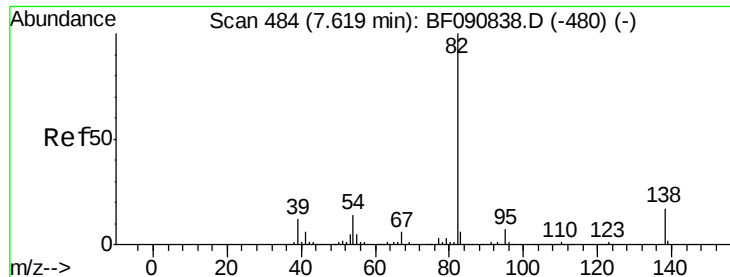
Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 52.37 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.30 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S-1-0.5-1.0

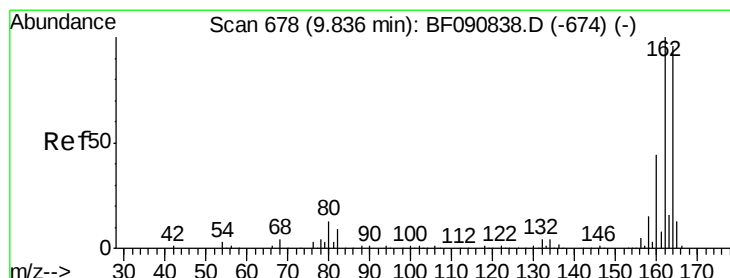
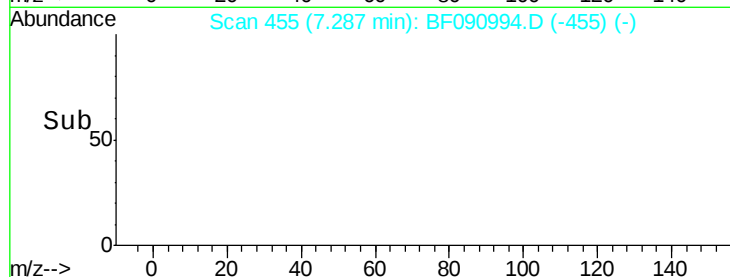
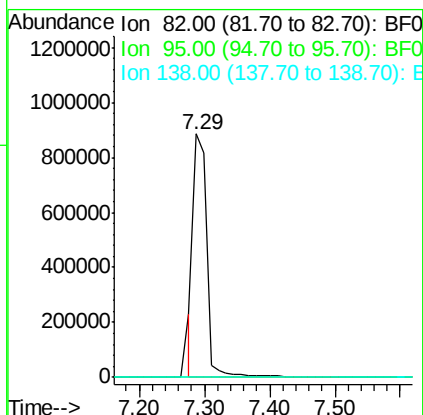
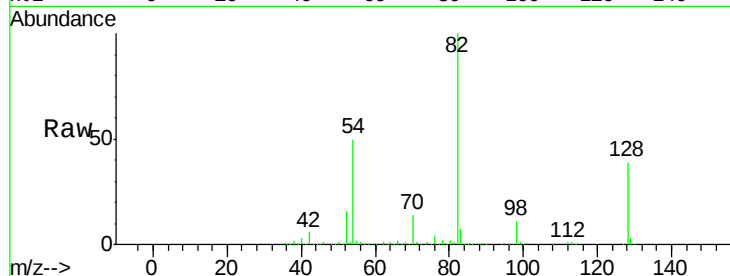
Tgt Ion: 82 Resp: 1249572

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.03 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

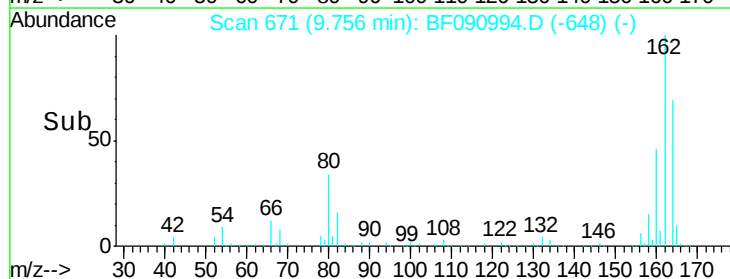
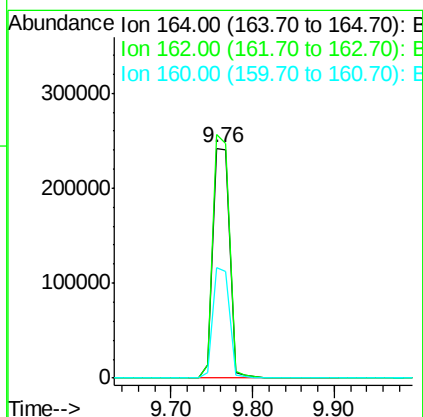
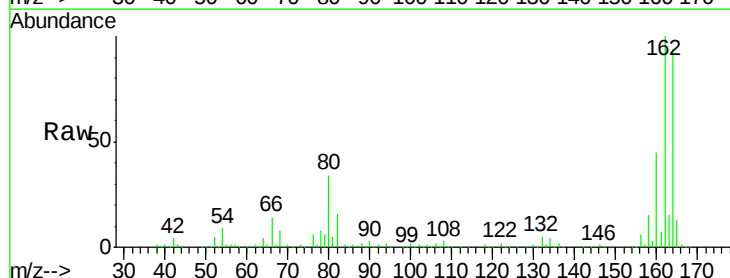
Tgt Ion: 164 Resp: 349954

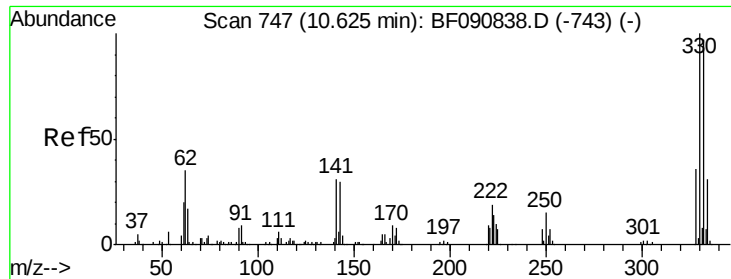
Ion Ratio Lower Upper

164 100

162 105.9 75.2 112.8

160 47.9 31.5 47.3#

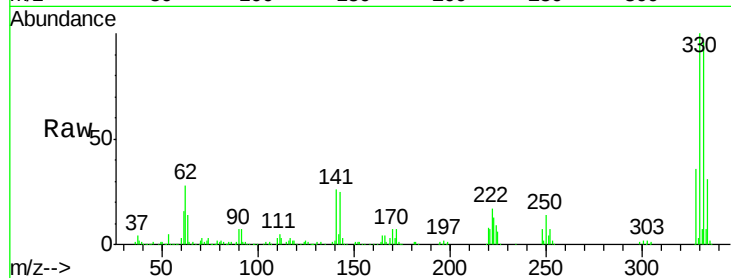




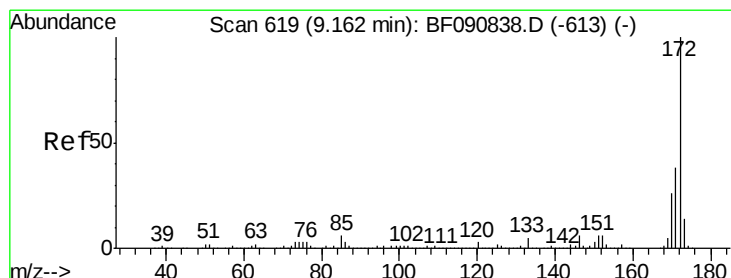
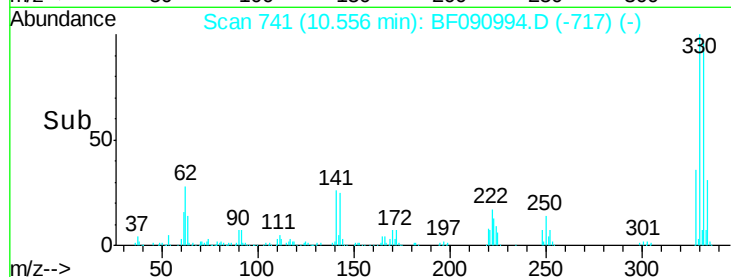
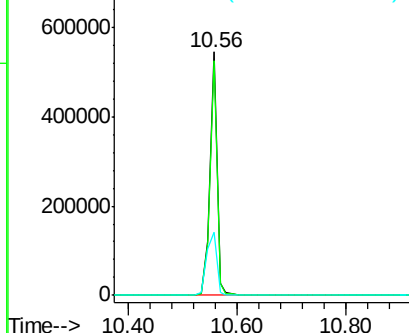
#41
 2,4,6-Tribromophenol
 Concen: 136.66 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.02 min
 Lab File: BF090994.D
 Acq: 2 Nov 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 S-1-0.5-1.0

Tgt Ion:330 Resp: 491477
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 114.8
 141 37.2 29.7 44.5

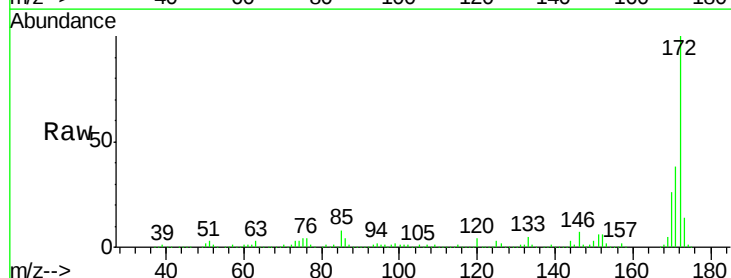


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

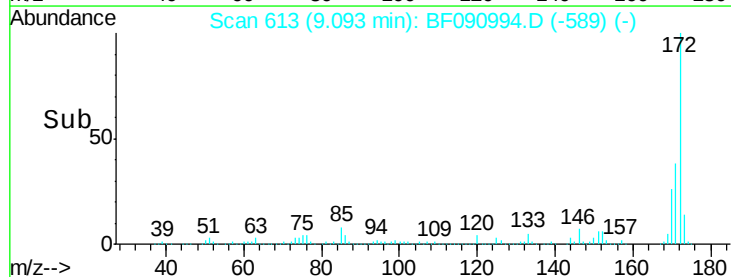
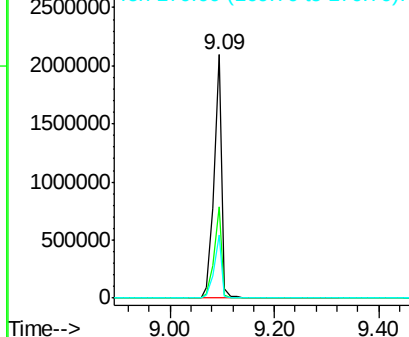


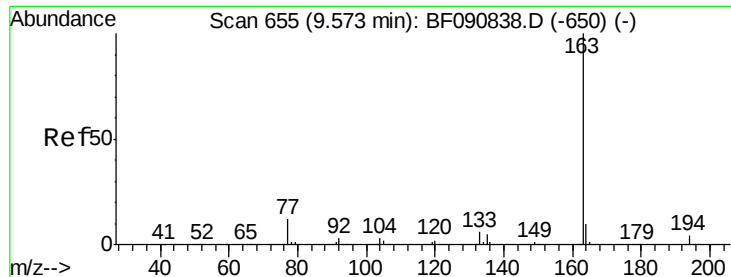
#44
 2-Fluorobiphenyl
 Concen: 107.31 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF090994.D
 Acq: 2 Nov 2016 21:51

Tgt Ion:172 Resp: 2138652
 Ion Ratio Lower Upper
 172 100
 171 37.7 26.1 39.1
 170 25.9 17.4 26.2



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: 34.41 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S-1-0.5-1.0

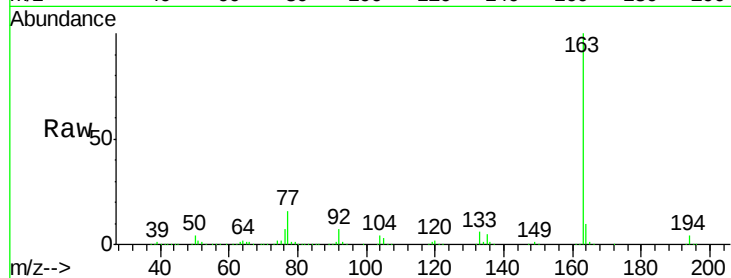
Tgt Ion:163 Resp: 804498

Ion Ratio Lower Upper

163 100

194 3.6 4.4 6.6#

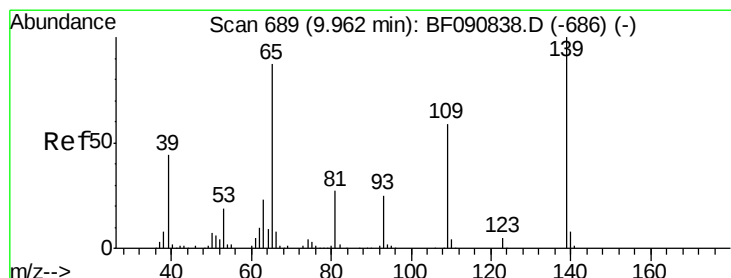
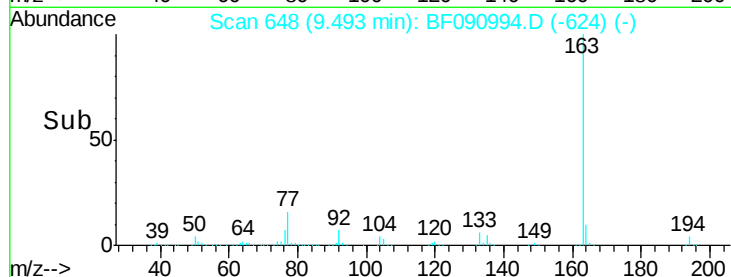
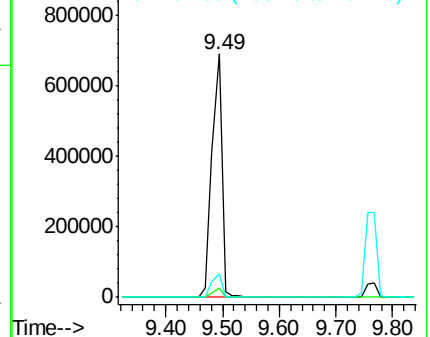
164 9.7 8.3 12.5



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



#55

4-Nitrophenol

Concen: 2.65 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.06 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

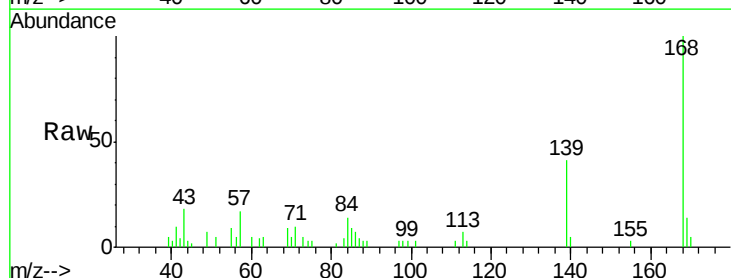
Tgt Ion:139 Resp: 8896

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

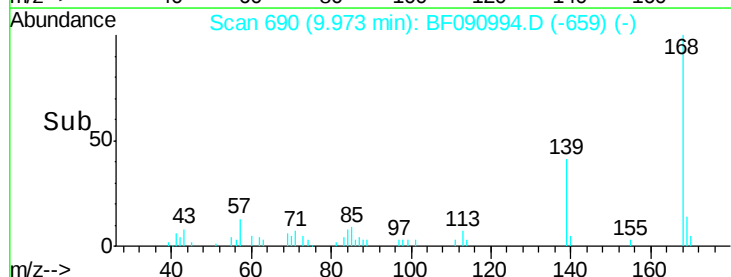
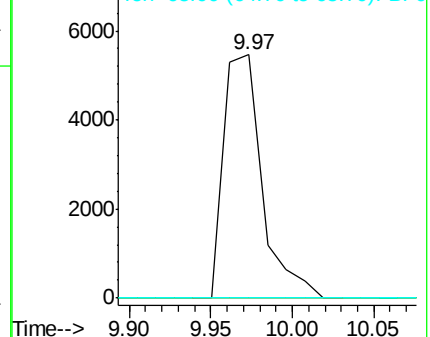
65 0.0 45.9 85.9#

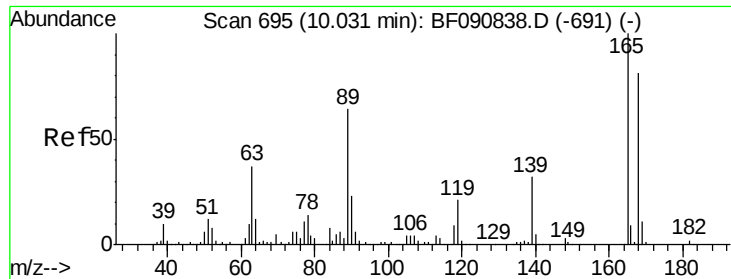


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

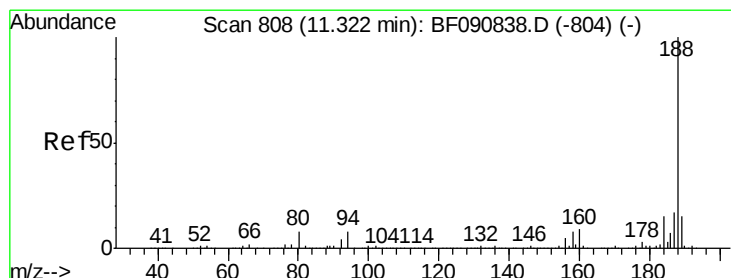
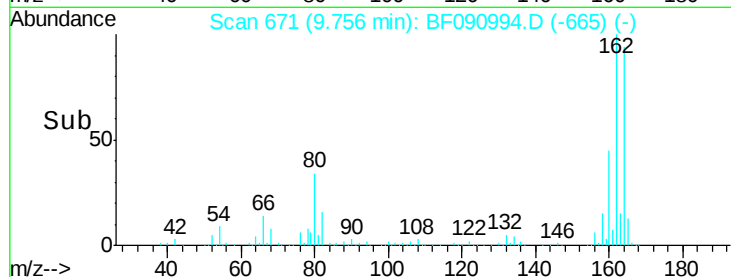
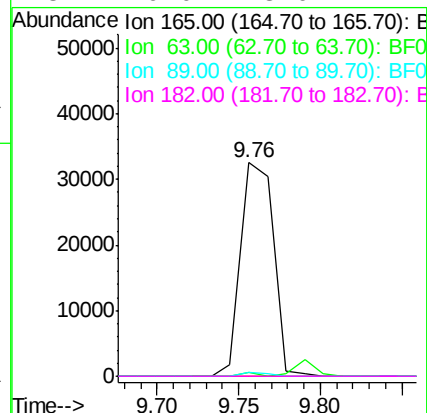
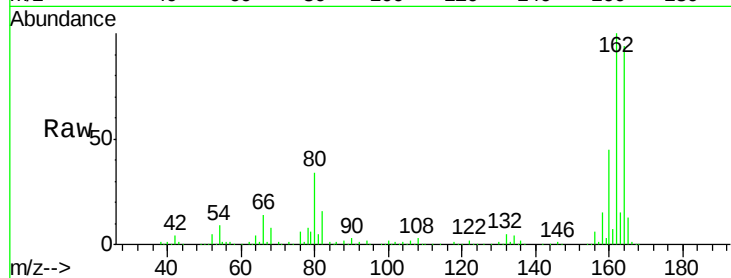




#56
2,4-Dinitrotoluene
Concen: 7.07 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.23 min
Lab File: BF090994.D
Acq: 2 Nov 2016 21:51

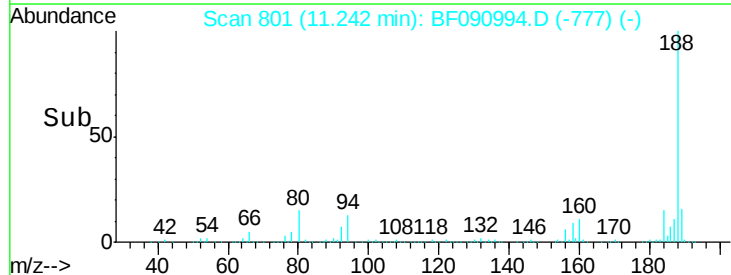
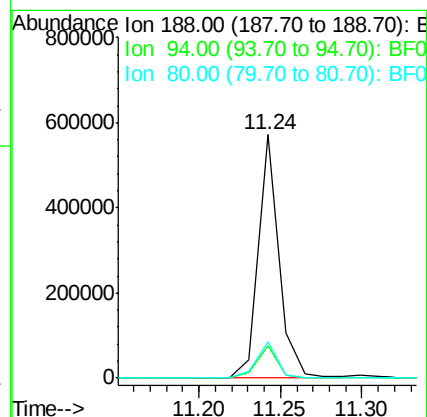
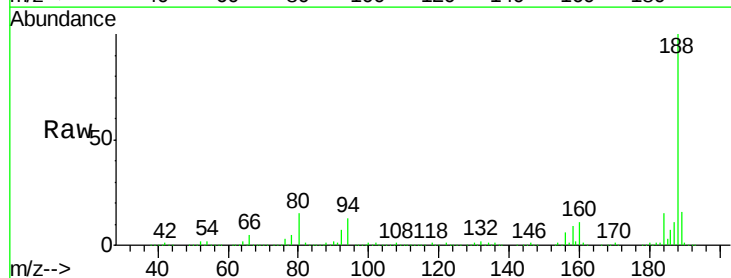
Instrument :
BNA_F
ClientSampleId :
S-1-0.5-1.0

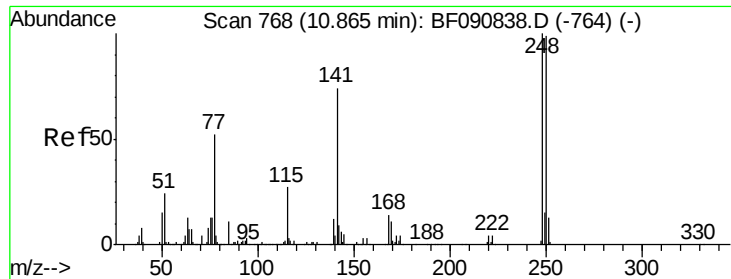
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	29.8	44.6#
89	1.7	44.5	66.7#
182	0.0	3.0	4.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090994.D
Acq: 2 Nov 2016 21:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.3	11.1	16.7
80	15.0	11.0	16.4





#66

4-Bromophenyl-phenylether

Concen: 6.52 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.26 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S-1-0.5-1.0

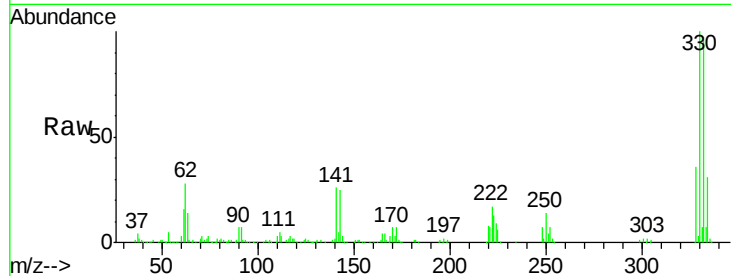
Tgt Ion:248 Resp: 36134

Ion Ratio Lower Upper

248 100

250 196.9 78.5 117.7#

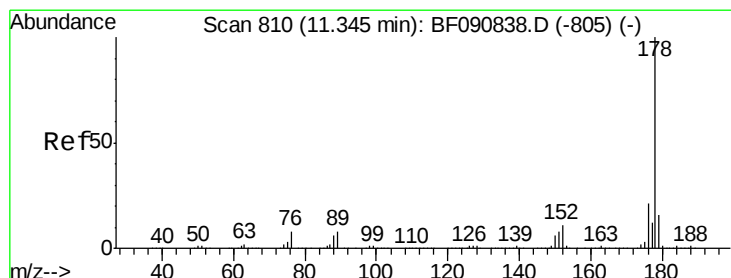
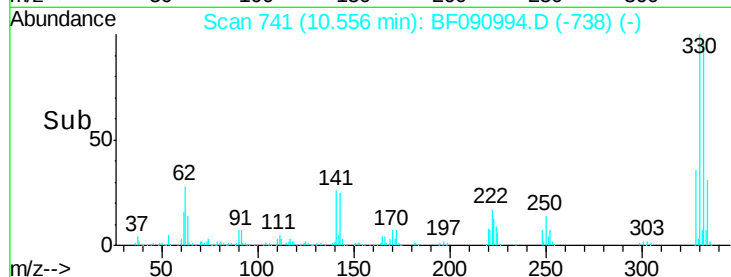
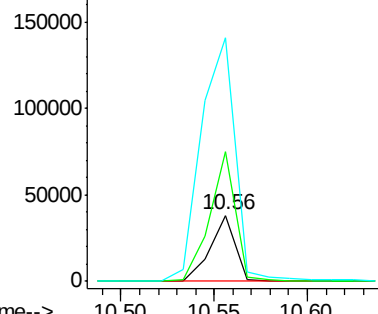
141 368.7 59.0 88.6#



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



#70

Phenanthrene

Concen: 10.54 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

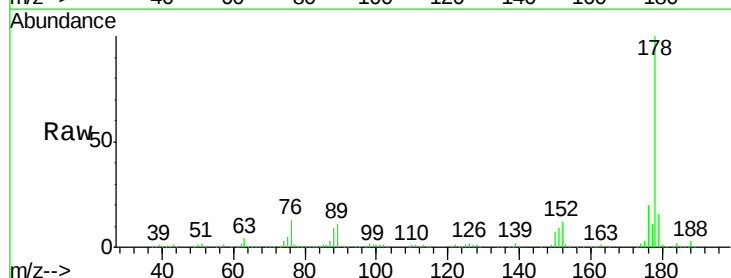
Tgt Ion:178 Resp: 271925

Ion Ratio Lower Upper

178 100

176 20.3 13.8 20.8

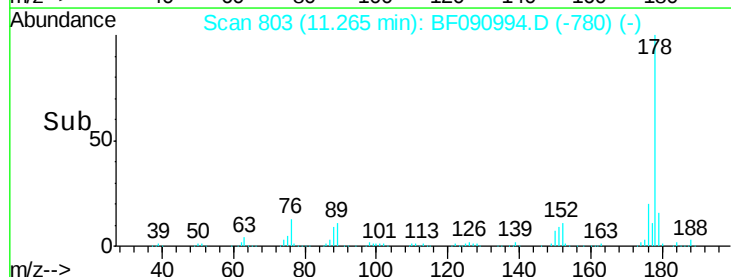
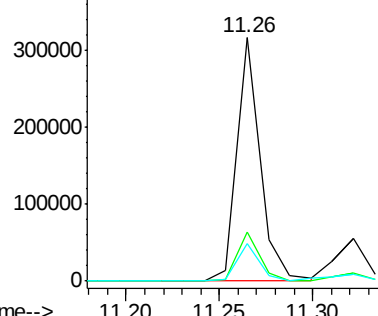
179 15.5 12.2 18.2

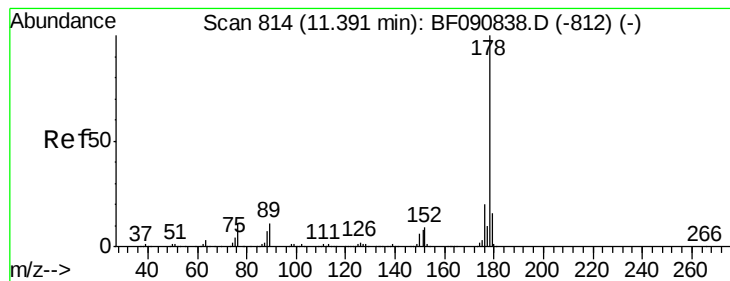


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.55 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.02 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S-1-0.5-1.0

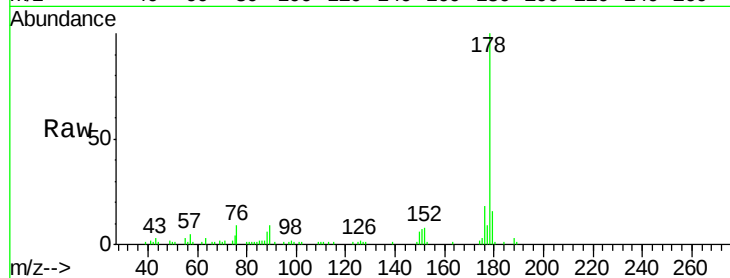
Tgt Ion:178 Resp: 69163

Ion Ratio Lower Upper

178 100

176 18.2 14.1 21.1

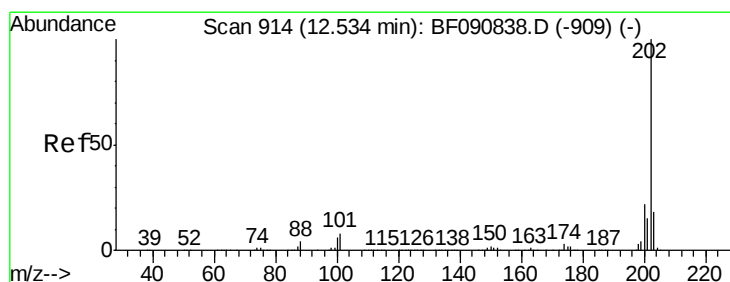
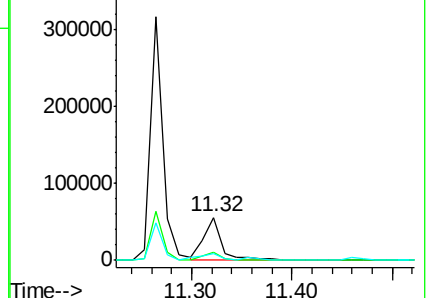
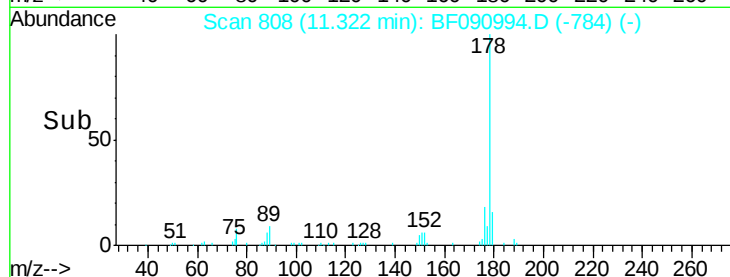
179 15.7 12.2 18.2



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: 8.79 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

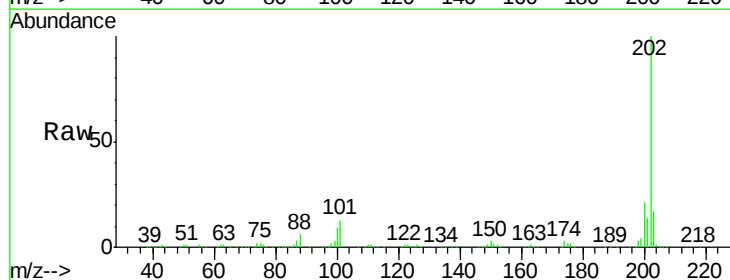
Tgt Ion:202 Resp: 248140

Ion Ratio Lower Upper

202 100

101 12.8 0.0 38.3

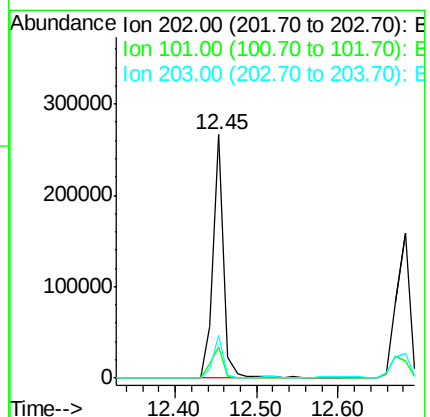
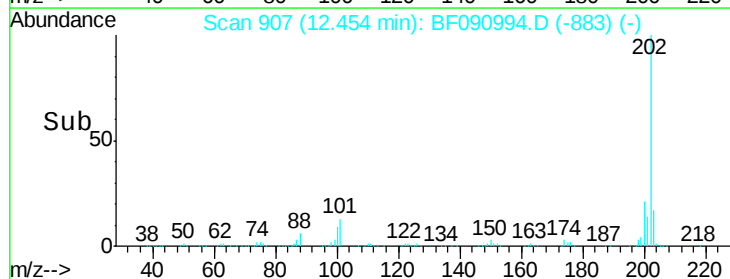
203 17.3 0.0 37.3

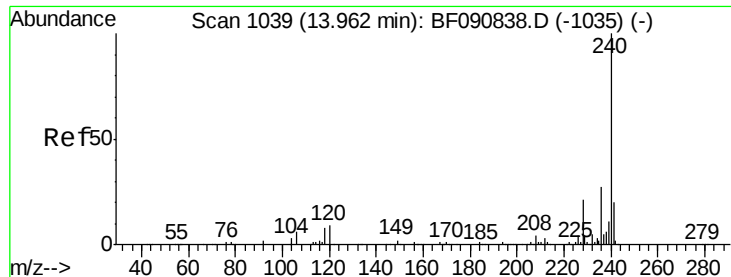


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S-1-0.5-1.0

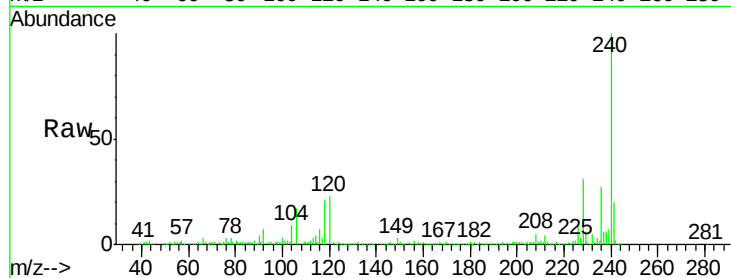
Tgt Ion:240 Resp: 308028

Ion Ratio Lower Upper

240 100

120 22.9 16.2 24.2

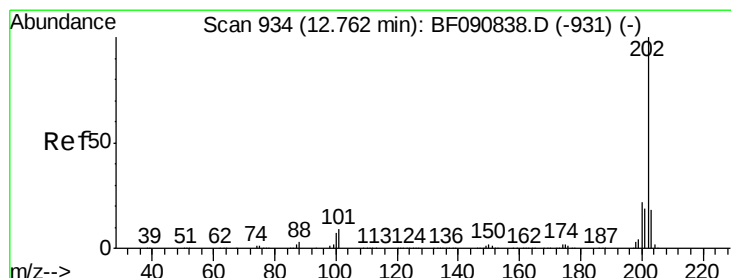
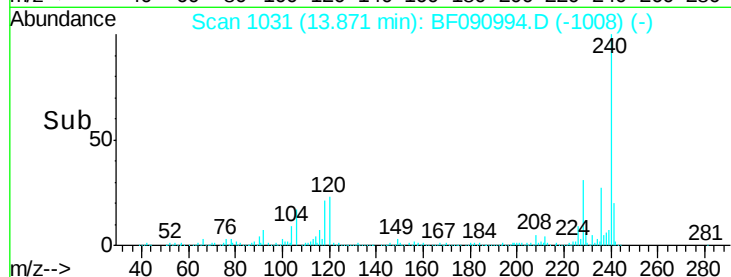
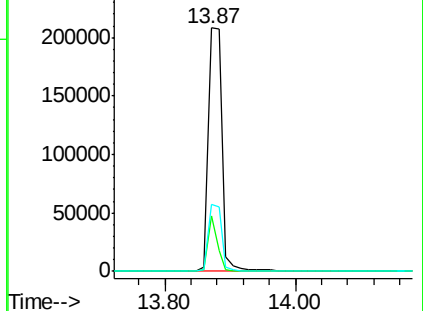
236 27.4 18.4 27.6



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: 9.39 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF090994.D

Acq: 2 Nov 2016 21:51

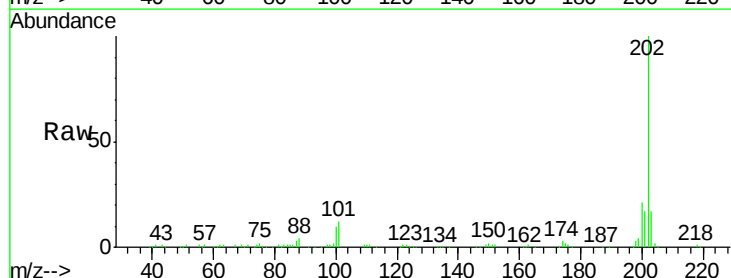
Tgt Ion:202 Resp: 182954

Ion Ratio Lower Upper

202 100

200 20.9 15.0 22.4

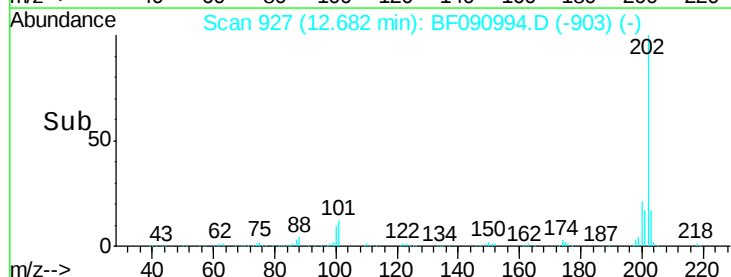
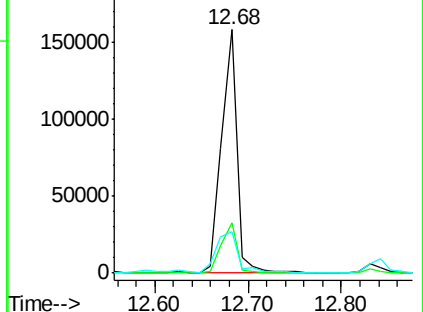
203 17.2 14.1 21.1

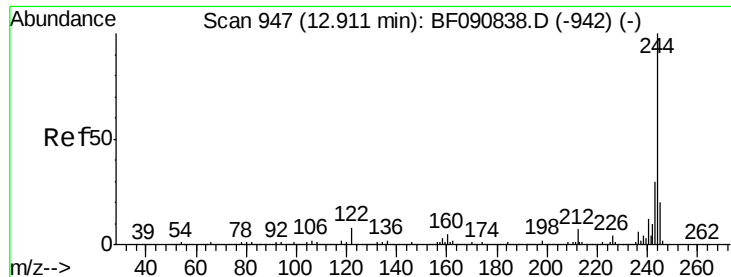


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

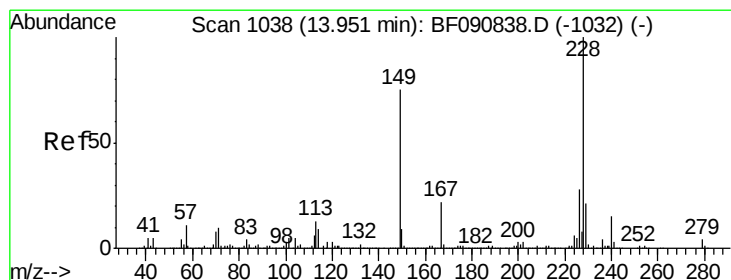
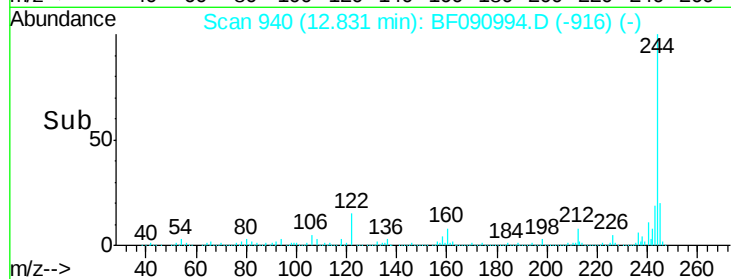
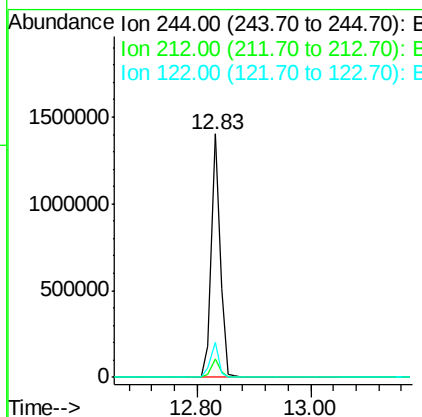
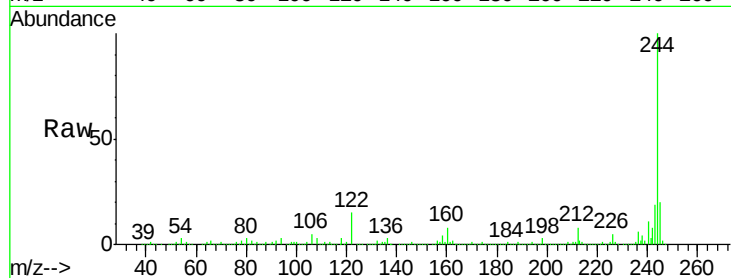




#78
 Terphenyl-d14
 Concen: 120.07 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF090994.D
 Acq: 2 Nov 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 S-1-0.5-1.0

Tgt Ion:244 Resp: 1467985
 Ion Ratio Lower Upper
 244 100
 212 7.7 4.3 6.5#
 122 14.6 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 6.30 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: BF090994.D
 Acq: 2 Nov 2016 21:51

Tgt Ion:228 Resp: 103023
 Ion Ratio Lower Upper
 228 100
 226 28.6 20.0 30.0
 229 20.1 15.4 23.2

