

Data Path : Z:\HPCHEM1\BNA F\Data\BF110416\
 Data File : BF091017.D
 Acq On : 4 Nov 2016 10:46
 Operator : UM/SJ
 Sample : H5509-26
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 10:49:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.705	152	176029	20.00	ng	0.00
21) Naphthalene-d8	7.985	136	734105	20.00	ng	-0.01
38) Acenaphthene-d10	9.745	164	392338	20.00	ng	0.00
63) Phenanthrene-d10	11.219	188	651286	20.00	ng	-0.01
75) Chrysene-d12	13.860	240	525950	20.00	ng	0.00
86) Perylene-d12	15.243	264	378377	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.299	112	999259	93.75	ng	0.01
7) Phenol-d6	6.350	99	976993	67.53	ng	0.00
23) Nitrobenzene-d5	7.276	82	1491982	110.87	ng	0.00
41) 2,4,6-Tribromophenol	10.534	330	554220	156.25	ng	0.00
44) 2-Fluorobiphenyl	9.071	172	2229751	97.84	ng	0.00
78) Terphenyl-d14	12.808	244	1888795	89.62	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.270	88	1069	0.18	ng	# 19
4) n-Nitrosodimethylamine	2.956	42	995	0.18	ng	# 1
6) Aniline	6.396	93	256	0.02	ng	# 1
8) 2-Chlorophenol	6.487	128	643	0.05	ng	# 1
9) Benzaldehyde	6.465	77	35986	4.48	ng	81
10) Phenol	6.362	94	1866	0.12	ng	# 1
11) bis(2-Chloroethyl)ether	6.465	93	2035	0.15	ng	# 1
15) Benzyl Alcohol	6.853	79	22207	2.18	ng	# 55
16) 2,2'-oxybis(1-Chloropr...	6.956	45	805	0.04	ng	# 59
18) Hexachloroethane	7.013	117	213	0.04	ng	# 2
19) n-Nitroso-di-n-propyla...	7.276	70	204615	20.41	ng	# 73
22) Acetophenone	7.127	105	208	0.01	ng	# 1
24) Nitrobenzene	7.276	77	3995	0.27	ng	# 34
25) Isophorone	7.276	82	1334995	51.48	ng	# 67
27) 2,4-Dimethylphenol	7.745	122	534	0.05	ng	# 4
31) Naphthalene	8.008	128	19034	0.54	ng	99
32) Benzoic acid	7.745	122	534	5.13	ng	# 73
33) 4-Chloroaniline	8.008	127	2092	0.14	ng	# 39
36) 4-Chloro-3-methylphenol	8.568	107	244	0.02	ng	# 17
37) 2-Methylnaphthalene	8.705	142	3116	0.14	ng	98
45) 1,1'-Biphenyl	9.173	154	1706	0.06	ng	79
47) 2-Nitroaniline	9.071	65	4139	0.51	ng	# 1
48) Acenaphthylene	9.596	152	1458	0.04	ng	# 59
50) 2,6-Dinitrotoluene	9.745	165	50723	9.20	ng	# 11
51) Acenaphthene	9.768	154	10929	0.51	ng	95
54) Dibenzofuran	9.951	168	17052	0.60	ng	92
55) 4-Nitrophenol	9.951	139	6816	7.19	ng	# 1
56) 2,4-Dinitrotoluene	9.745	165	50717	7.23	ng	# 26
57) Fluorene	10.282	166	15128	0.65	ng	99
59) Diethylphthalate	10.168	149	2774	0.11	ng	99
62) Azobenzene	10.454	77	2554	0.08	ng	# 1
64) 4,6-Dinitro-2-methylph...	10.534	198	1285	0.32	ng	# 1
65) n-Nitrosodiphenylamine	10.534	169	20921	1.01	ng	# 43
66) 4-Bromophenyl-phenylether	10.534	248	39188	5.78	ng	# 1

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 ALS Vial : 6 Sample Multiplier: 1

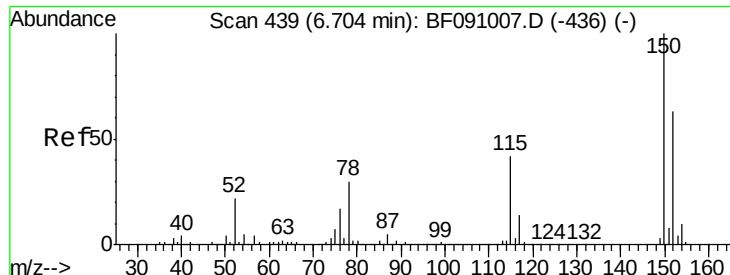
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 10:49:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Phenanthrene	11.242	178	177926	5.14	ng	98
71) Anthracene	11.299	178	30994	0.84	ng	97
72) Carbazole	11.459	167	40101	1.21	ng	97
73) Di-n-butylphthalate	11.791	149	8022	0.19	ng	# 98
74) Fluoranthene	12.431	202	84568	2.36	ng	91
76) Benzidine	12.808	184	24998	2.13	ng	# 95
77) Pyrene	12.659	202	55447	1.61	ng	97
79) Butylbenzylphthalate	13.288	149	1092	0.07	ng	# 58
80) Benzo(a)anthracene	13.848	228	17430	0.58	ng	94
82) Chrysene	13.848	228	17430	0.59	ng	91
83) Bis(2-ethylhexyl)phtha...	13.848	149	4336	0.19	ng	# 79
84) Di-n-octyl phthalate	14.488	149	2177	0.06	ng	# 60
85) Indeno(1,2,3-cd)pyrene	16.557	276	1227	0.05	ng	# 46
87) Benzo(b)fluoranthene	14.854	252	6380	0.25	ng	# 83
88) Benzo(k)fluoranthene	14.854	252	6380	0.28	ng	# 86
89) Benzo(a)pyrene	15.185	252	2606	0.12	ng	# 83
91) Benzo(g,h,i)perylene	16.957	276	585	0.03	ng	# 48

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.705 min Scan# 43

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

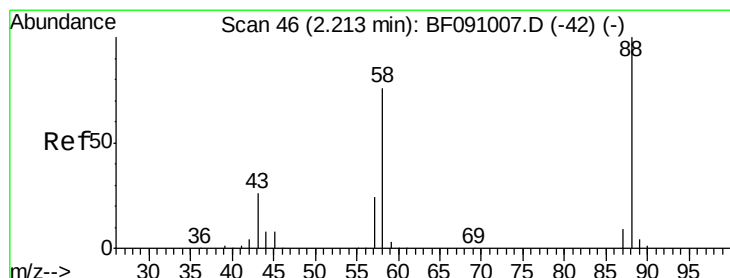
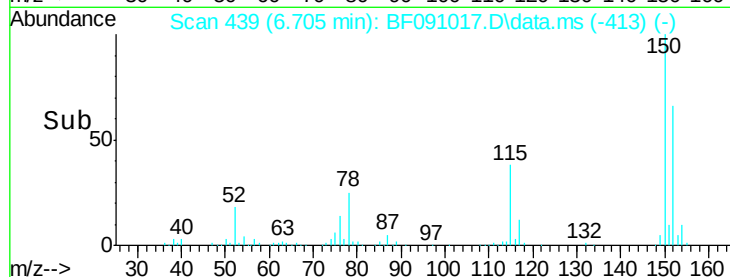
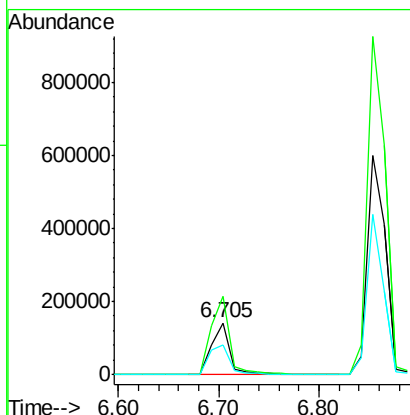
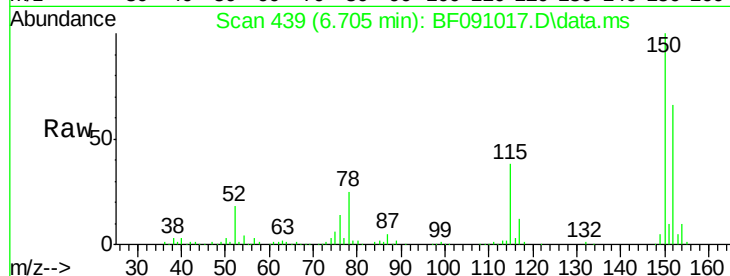
Tot Ion:152 Resp: 176029

Ion Ratio Lower Upper

152 100

150 152.3 126.8 190.2

115 58.5 53.3 79.9



#2

1,4-Dioxane

Concen: 0.18 ng

RT: 2.270 min Scan# 51

Delta R.T. 0.057 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

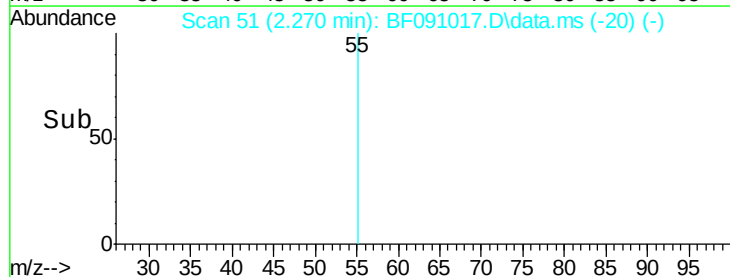
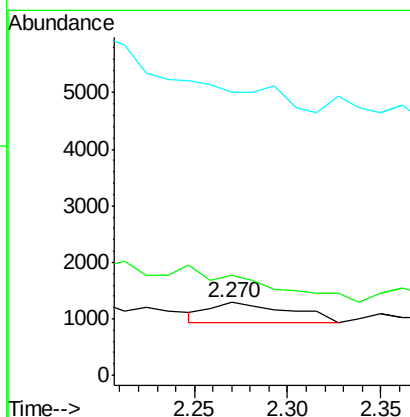
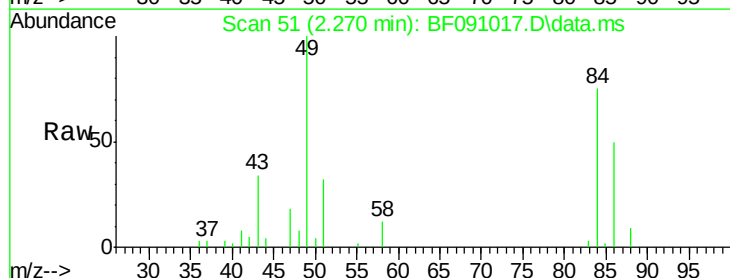
Tgt Ion: 88 Resp: 1069

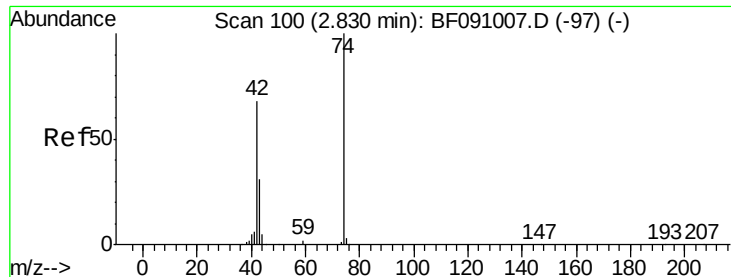
Ion Ratio Lower Upper

88 100

58 0.0 63.8 95.6#

43 0.0 22.6 33.8#





#4

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 2.956 min Scan# 111

Delta R.T. 0.127 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

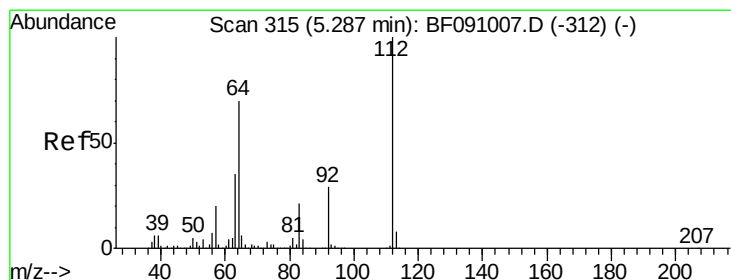
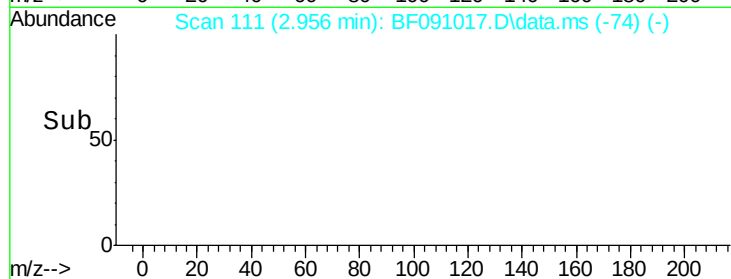
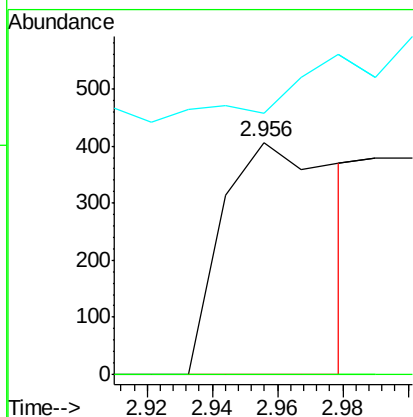
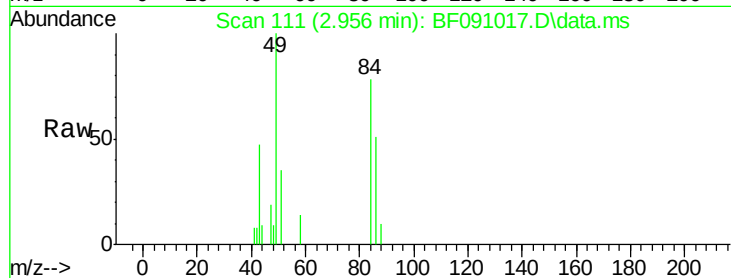
Tot Ion: 42 Resp: 995

Ion Ratio Lower Upper

42 100

74 0.0 117.3 175.9#

44 112.3 5.8 8.8#



#5

2-Fluorophenol

Concen: 93.75 ng

RT: 5.299 min Scan# 316

Delta R.T. 0.012 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

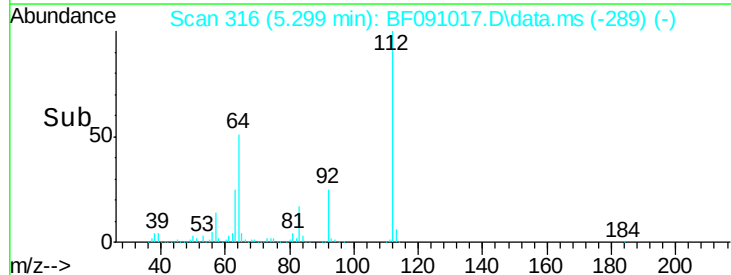
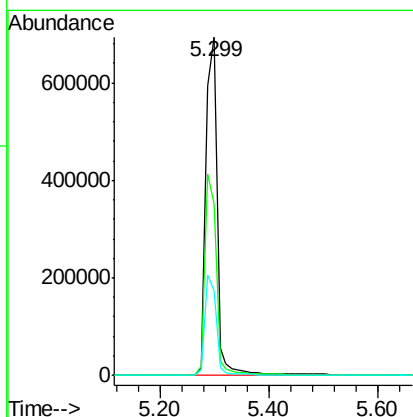
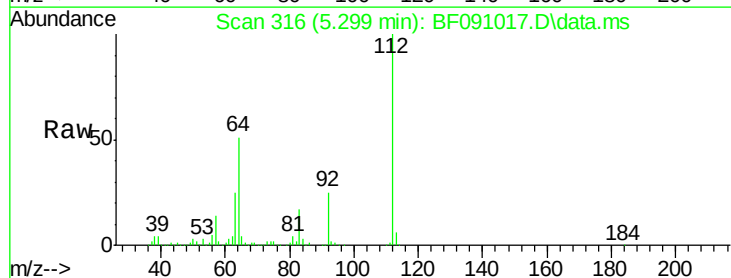
Tgt Ion: 112 Resp: 999259

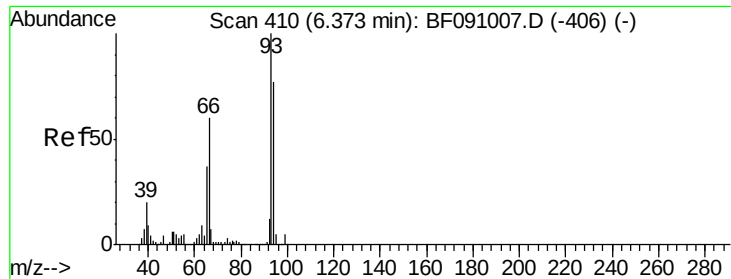
Ion Ratio Lower Upper

112 100

64 50.9 55.8 83.6#

63 24.9 28.0 42.0#





#6

Aniline

Concen: 0.02 ng

RT: 6.396 min Scan# 41

Delta R.T. 0.023 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

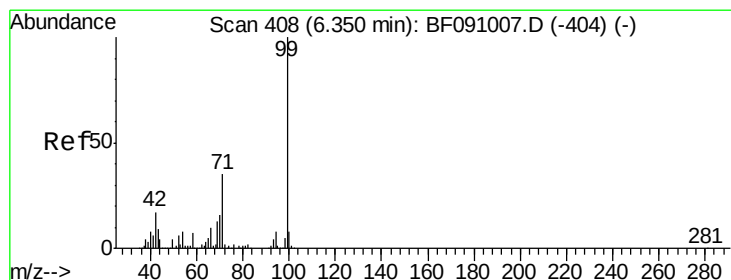
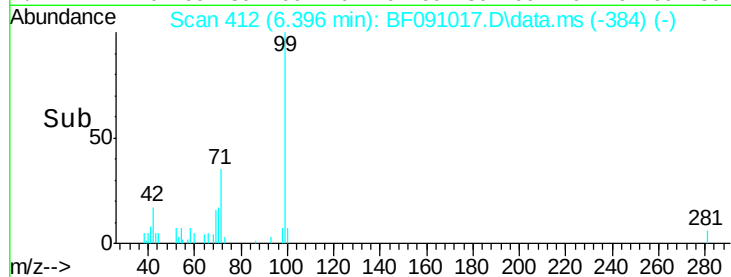
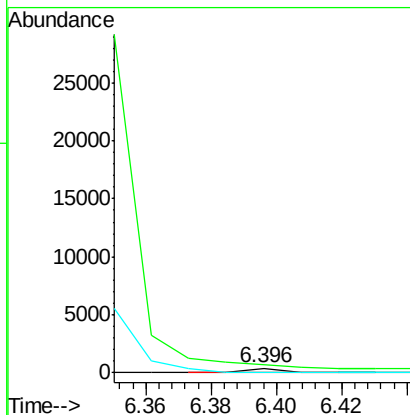
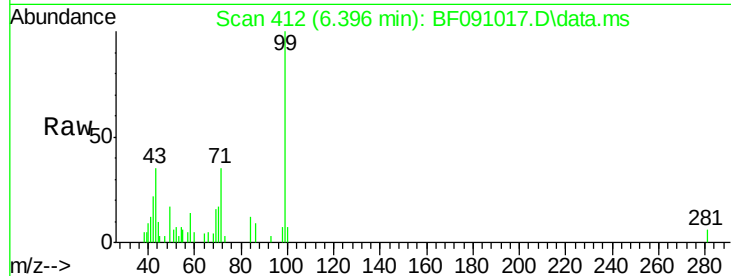
Tot Ion: 93 Resp: 256

Ion Ratio Lower Upper

93 100

66 170.5 48.2 72.2#

65 0.0 29.4 44.0#



#7

Phenol-d6

Concen: 67.53 ng

RT: 6.350 min Scan# 408

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

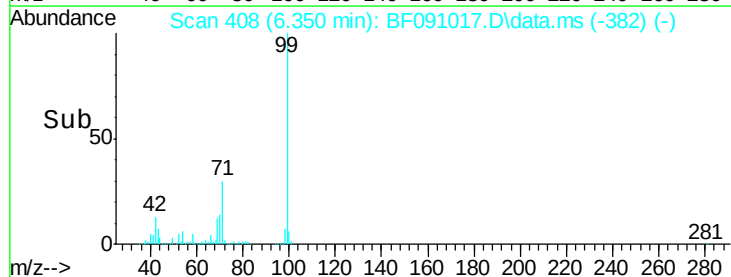
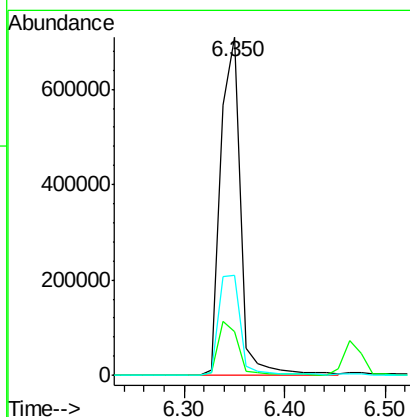
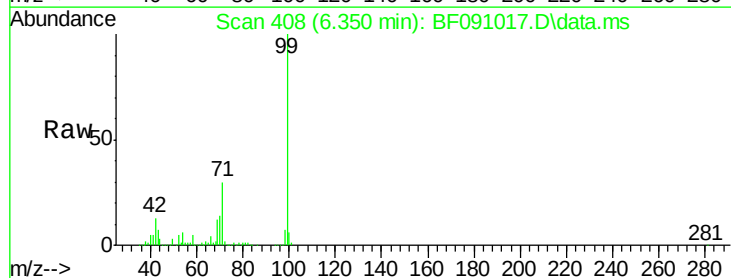
Tgt Ion: 99 Resp: 976993

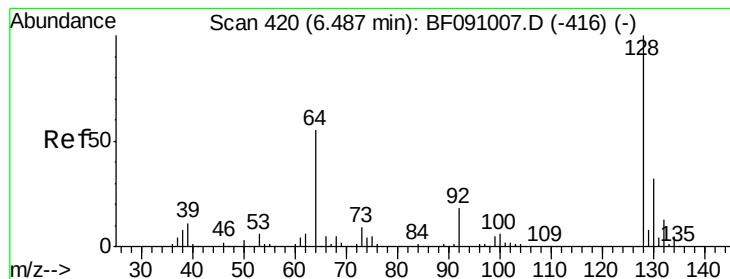
Ion Ratio Lower Upper

99 100

42 12.8 13.9 20.9#

71 29.5 27.8 41.8





#8

2-Chlorophenol

Concen: 0.05 ng

RT: 6.487 min Scan# 420

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

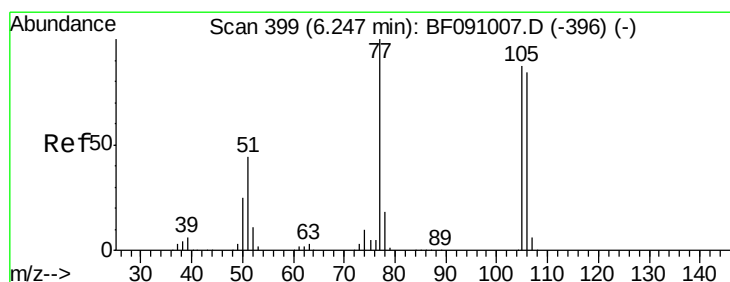
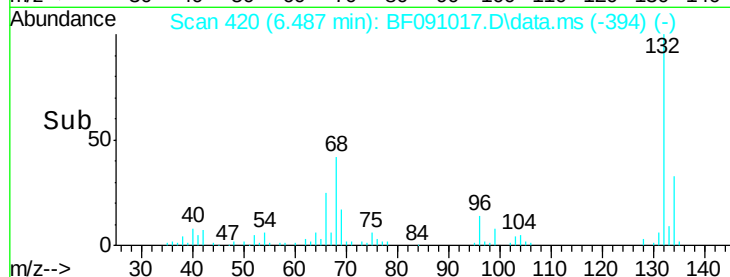
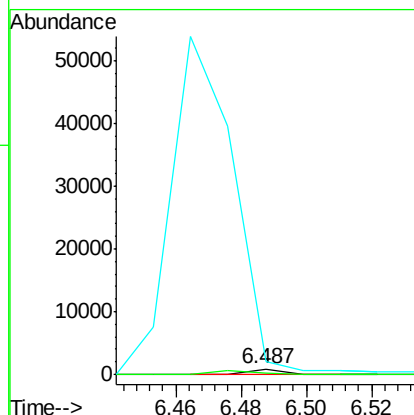
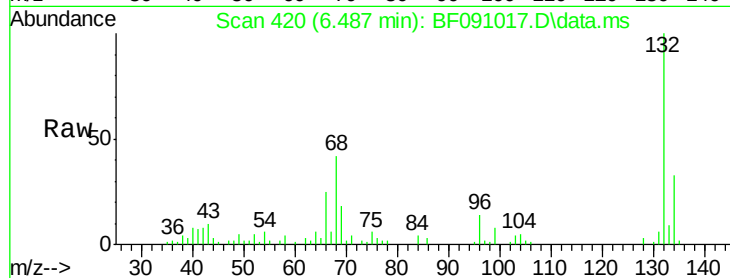
Tot Ion:128 Resp: 643

Ion Ratio Lower Upper

128 100

130 33.3 12.0 52.0

64 212.2 37.2 77.2#



#9

Benzaldehyde

Concen: 4.48 ng

RT: 6.465 min Scan# 418

Delta R.T. 0.218 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

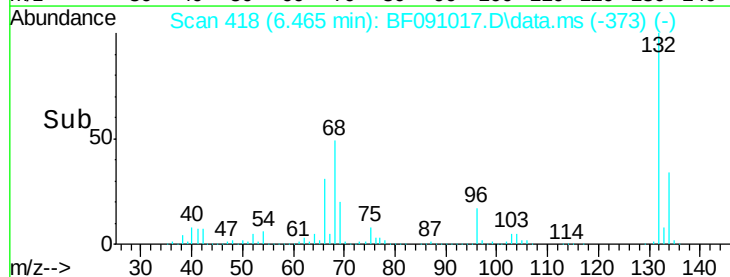
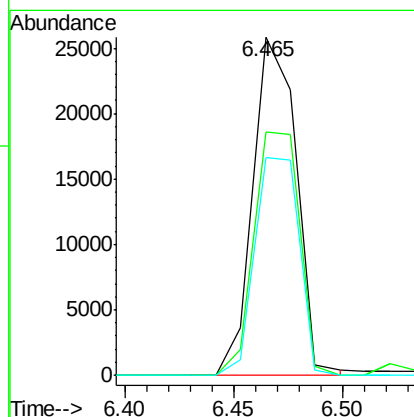
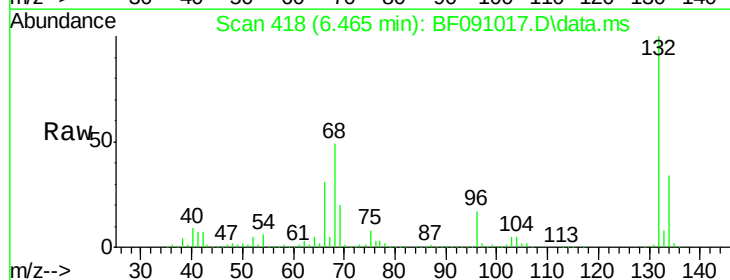
Tgt Ion: 77 Resp: 35986

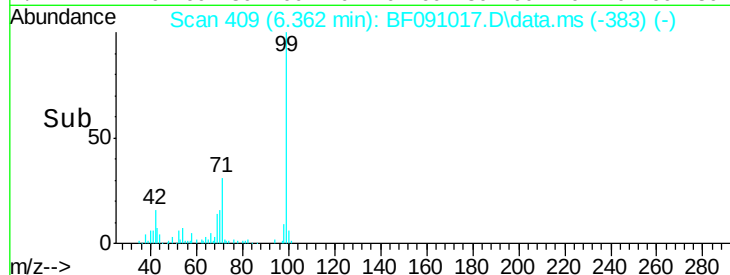
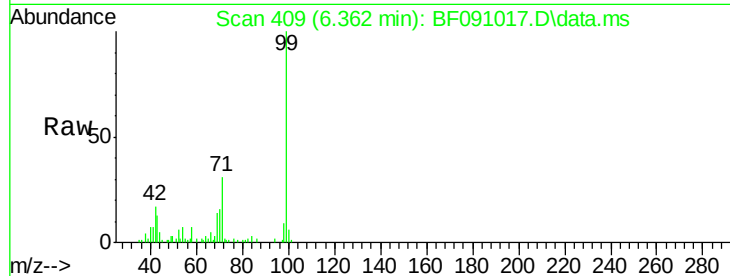
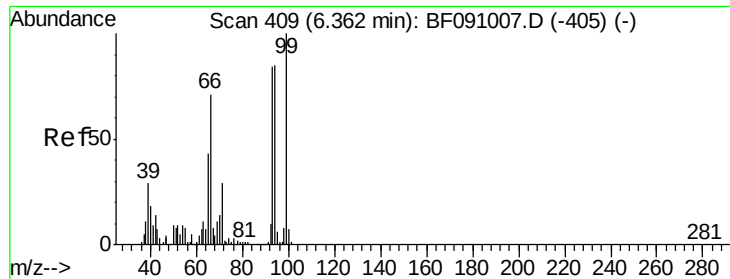
Ion Ratio Lower Upper

77 100

105 72.0 66.8 106.8

106 64.5 64.0 104.0





#10

Phenol

Concen: 0.12 ng

RT: 6.362 min Scan# 409

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

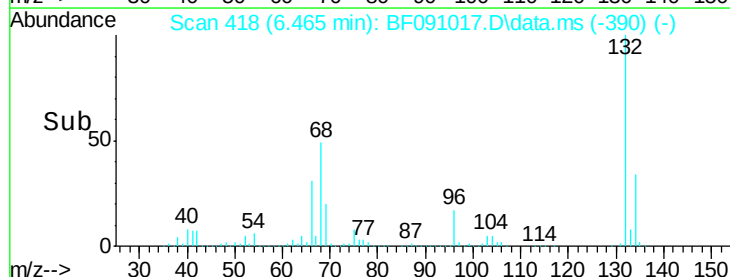
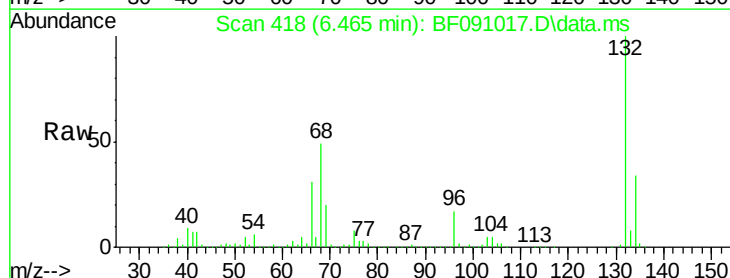
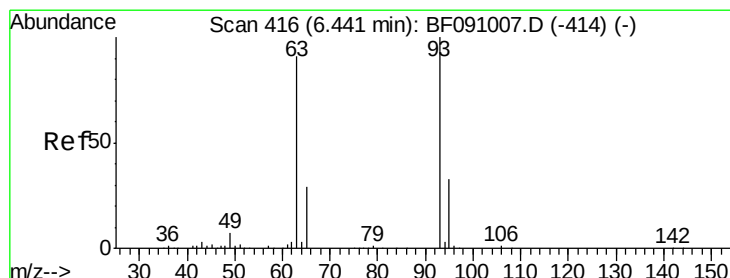
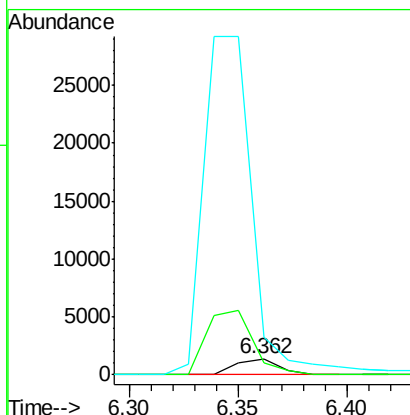
Tot Ion: 94 Resp: 1866

Ion Ratio Lower Upper

94 100

65 72.5 30.4 70.4#

66 229.2 62.9 102.9#



#11

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 6.465 min Scan# 418

Delta R.T. 0.023 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

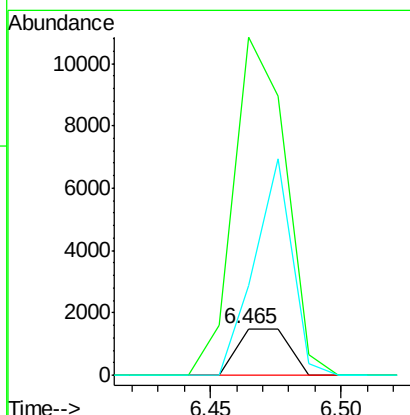
Tgt Ion: 93 Resp: 2035

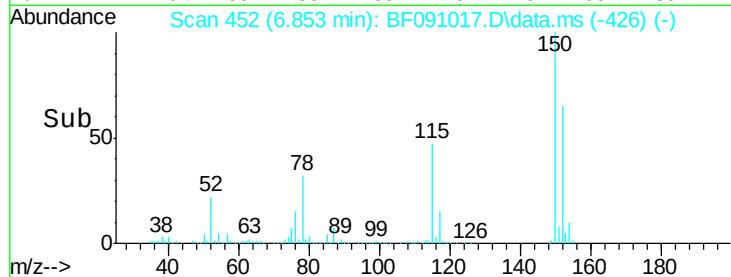
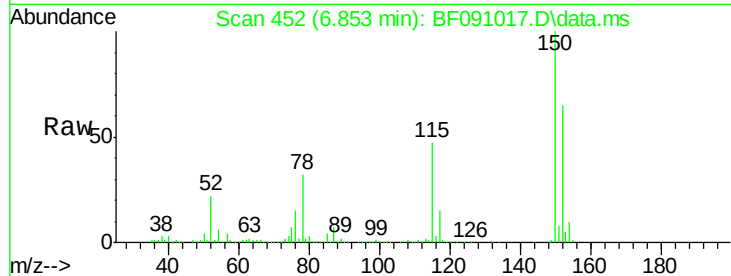
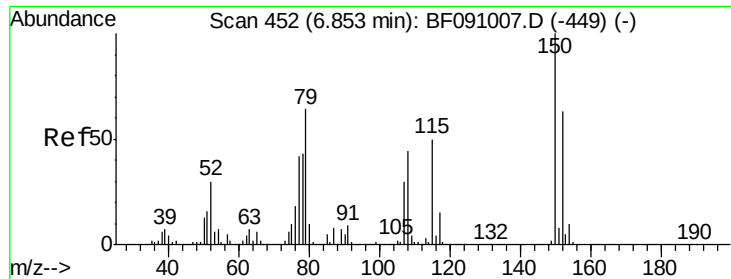
Ion Ratio Lower Upper

93 100

63 727.2 68.9 108.9#

95 192.4 12.3 52.3#





#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.853 min Scan# 451

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

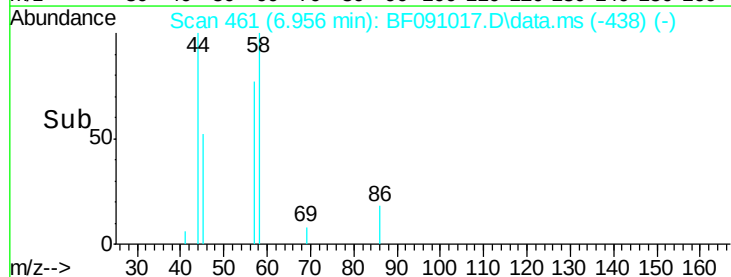
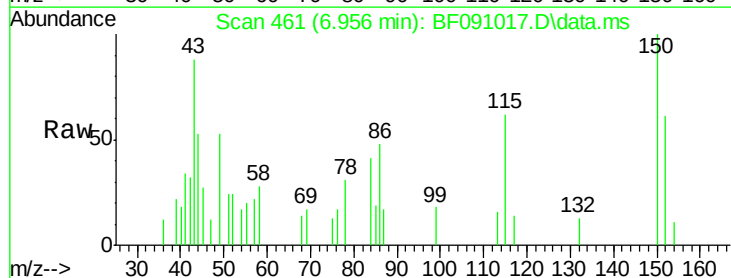
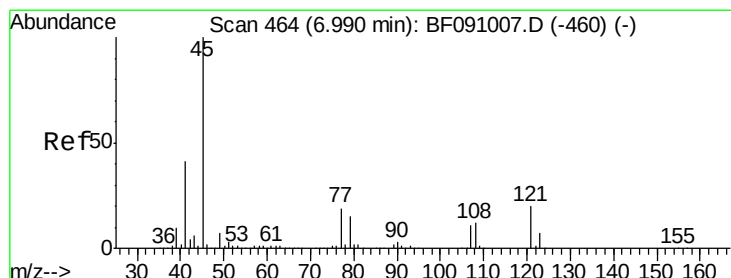
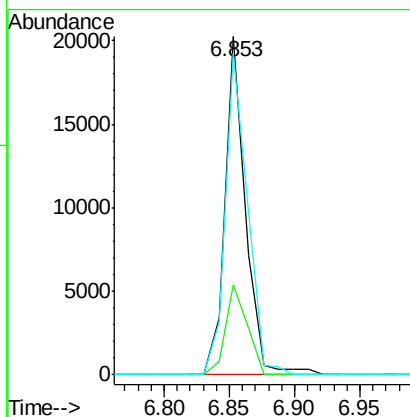
Tot Ion: 79 Resp: 22207

Ion Ratio Lower Upper

79 100

108 26.5 55.7 83.5#

77 94.9 52.6 79.0#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.04 ng

RT: 6.956 min Scan# 461

Delta R.T. -0.034 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

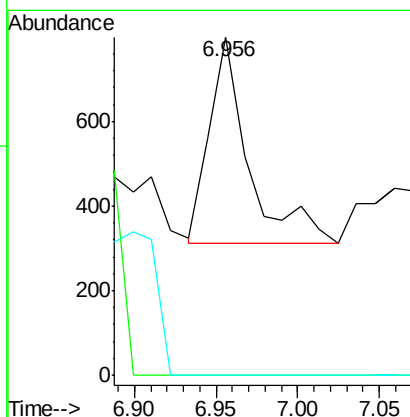
Tgt Ion: 45 Resp: 805

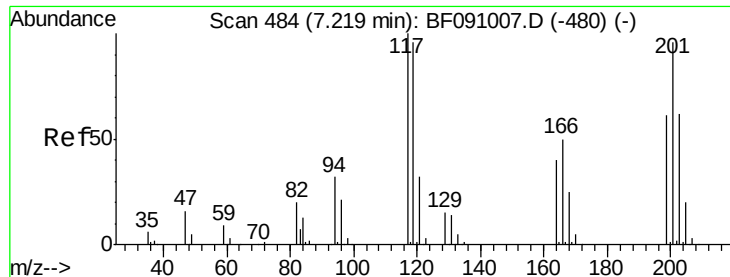
Ion Ratio Lower Upper

45 100

77 0.0 0.0 39.6

79 0.0 0.0 35.9





#18

Hexachloroethane

Concen: 0.04 ng

RT: 7.013 min Scan# 46

Delta R.T. -0.206 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampled :

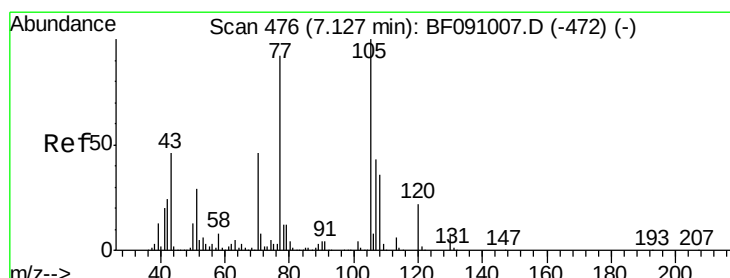
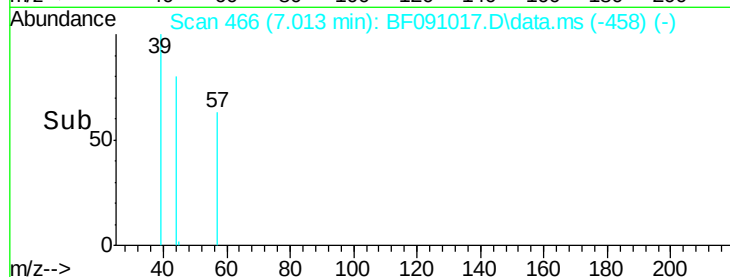
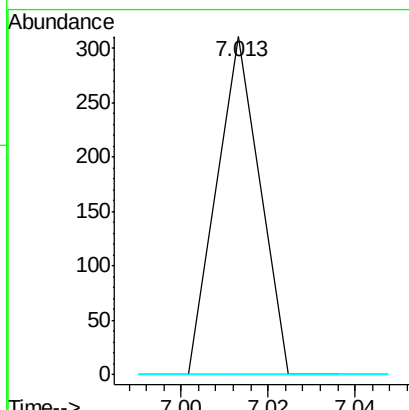
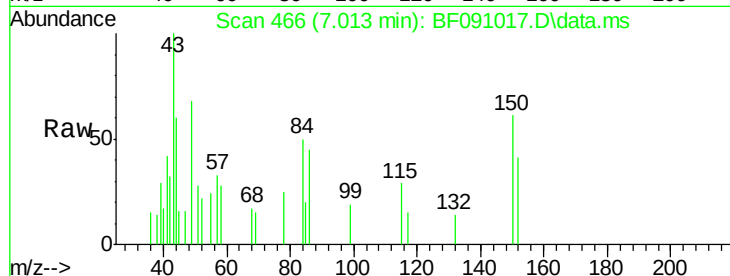
Tot Ion:117 Resp: 213

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

201 0.0 77.1 115.7#



#19

n-Nitroso-di-n-propylamine

Concen: 20.41 ng

RT: 7.276 min Scan# 489

Delta R.T. 0.149 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Tgt Ion: 70 Resp: 204615

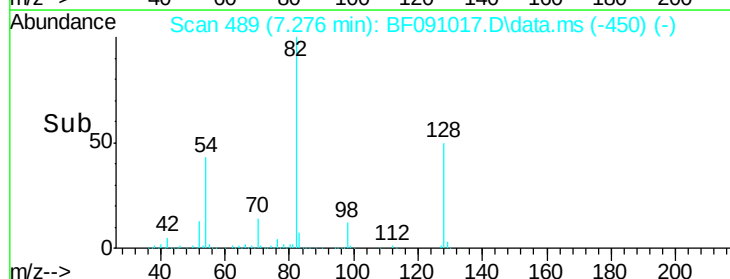
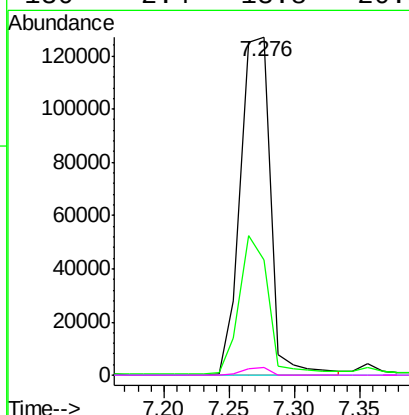
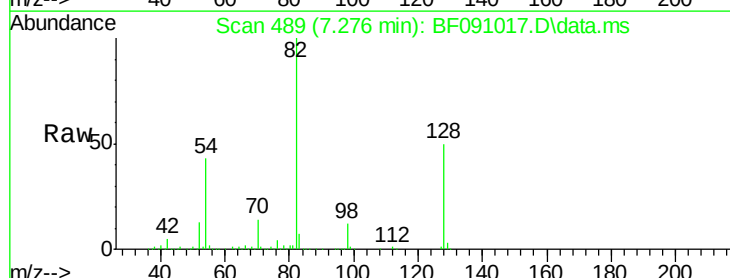
Ion Ratio Lower Upper

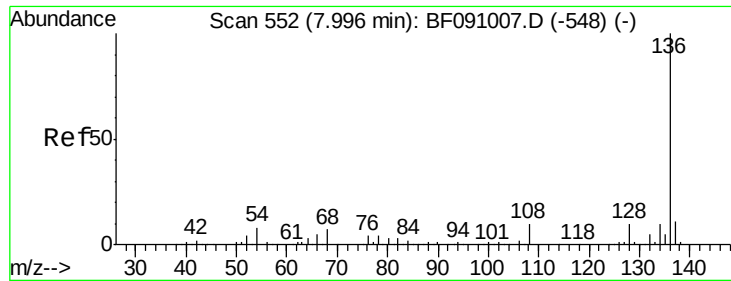
70 100

42 34.1 41.7 62.5#

101 0.0 6.7 10.1#

130 2.4 13.8 20.8#

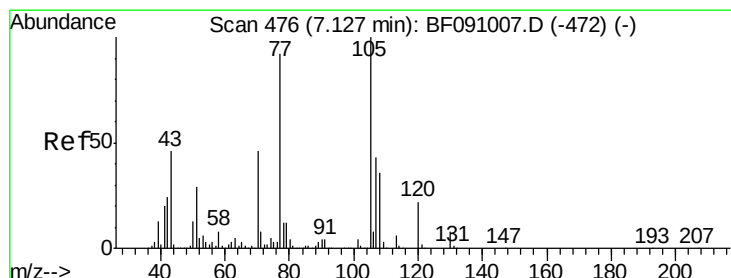
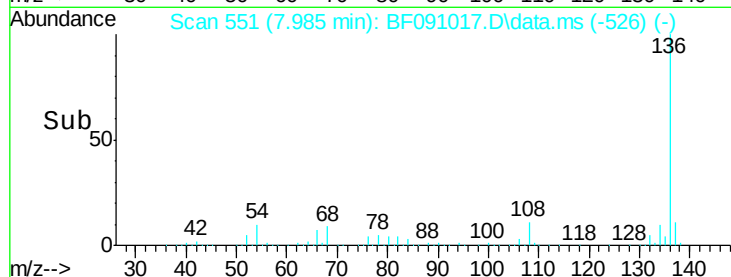
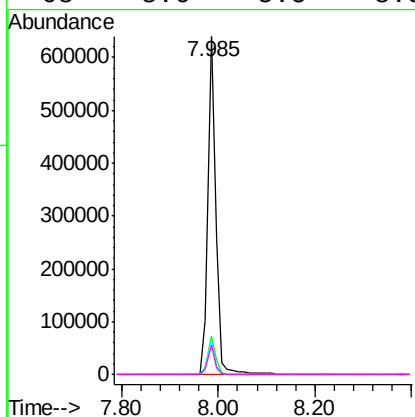
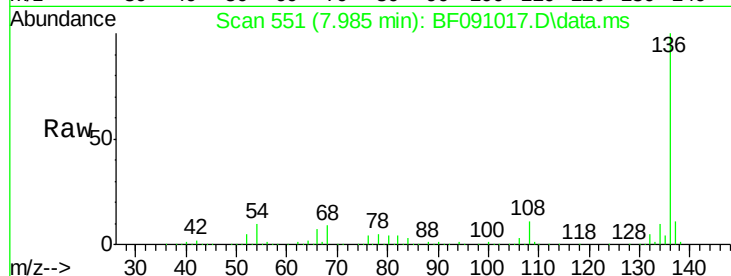




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.985 min Scan# 551
Delta R.T. -0.011 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

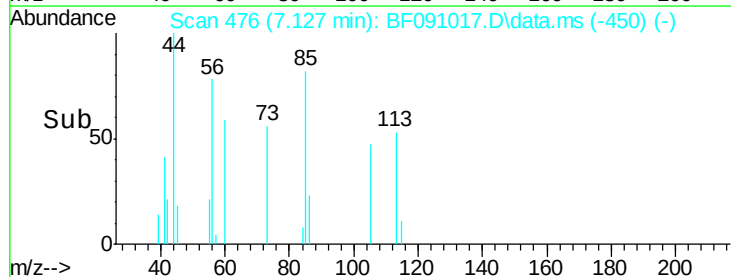
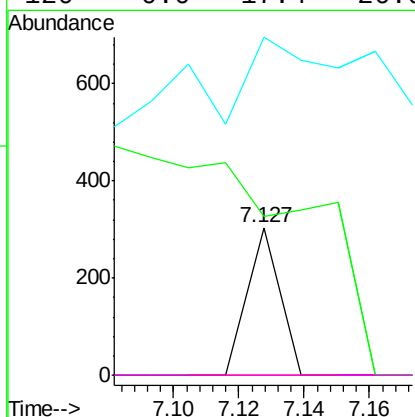
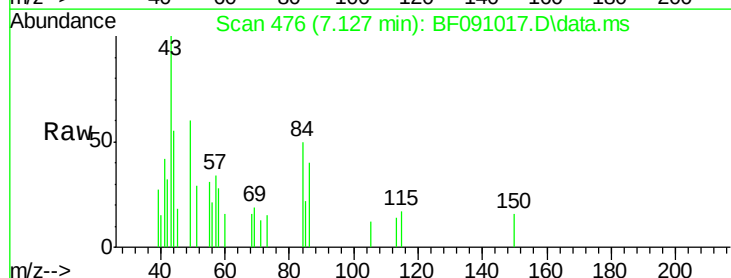
Instrument :
BNA_F
ClientSampleId :

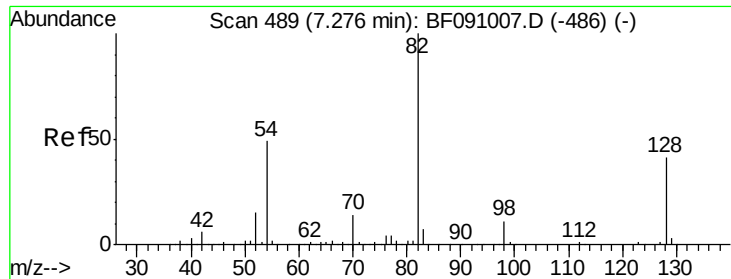
Tot Ion:	136	Resp:	734105
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	10.2	6.2	9.2#
68	8.6	5.5	8.3#



#22
Acetophenone
Concen: 0.01 ng
RT: 7.127 min Scan# 476
Delta R.T. 0.000 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

Tgt Ion:	105	Resp:	208
Ion Ratio	Lower	Upper	
105	100		
71	107.9	6.2	9.2#
51	228.9	23.3	34.9#
120	0.0	17.4	26.0#

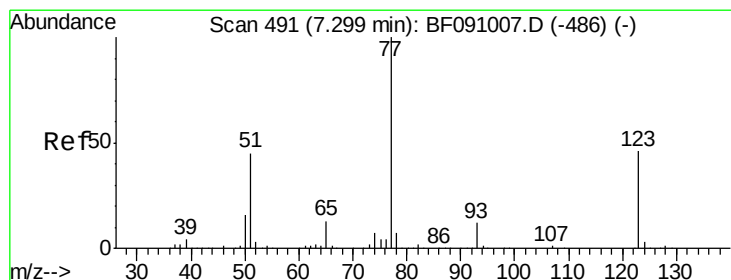
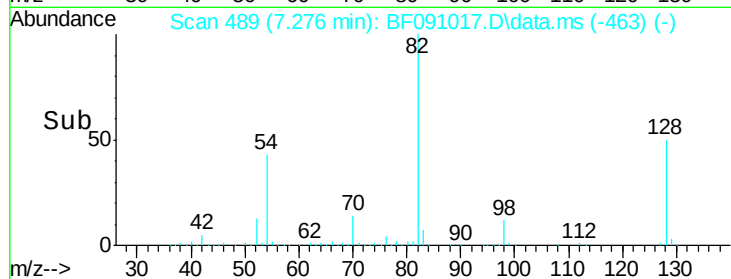
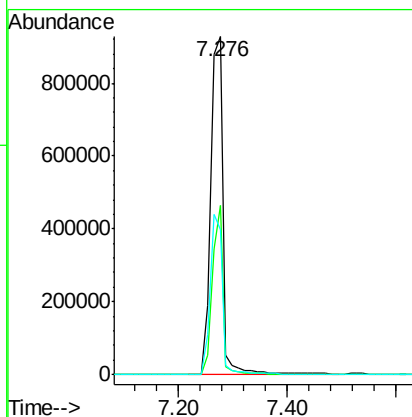
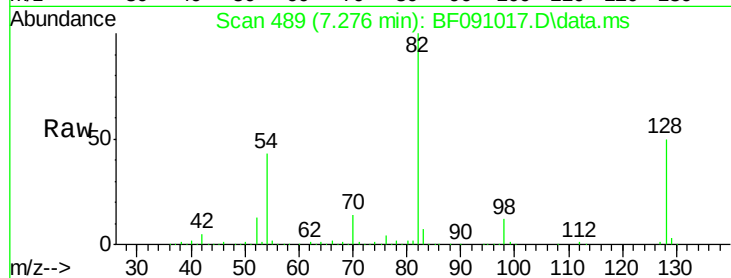




#23
 Nitrobenzene-d5
 Concen: 110.87 ng
 RT: 7.276 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

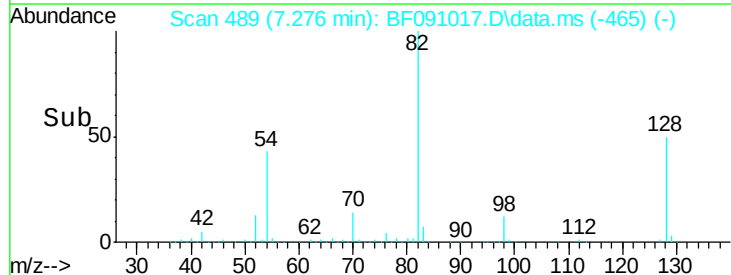
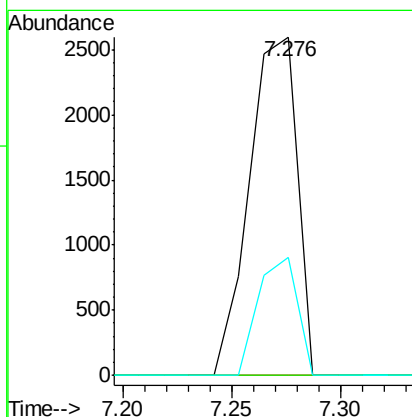
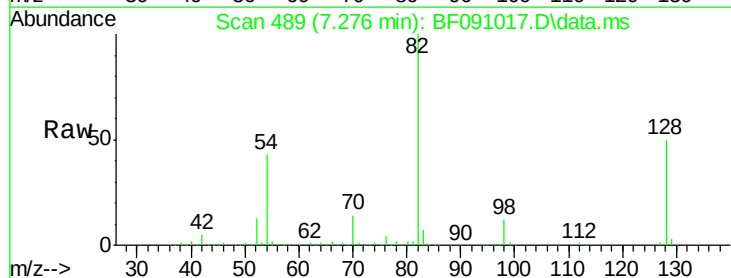
Instrument :
 BNA_F
 ClientSampleId :

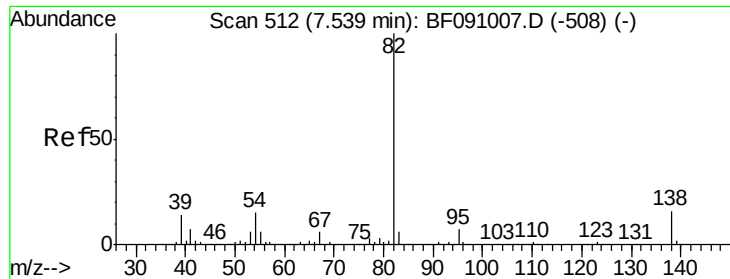
Tot Ion: 82 Resp: 1491982
 Ion Ratio Lower Upper
 82 100
 128 49.9 32.4 48.6#
 54 42.8 39.2 58.8



#24
 Nitrobenzene
 Concen: 0.27 ng
 RT: 7.276 min Scan# 489
 Delta R.T. -0.023 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

Tgt Ion: 77 Resp: 3995
 Ion Ratio Lower Upper
 77 100
 123 0.0 36.5 54.7#
 65 34.9 10.7 16.1#





#25

Isophorone

Concen: 51.48 ng

RT: 7.276 min Scan# 48

Delta R.T. -0.263 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

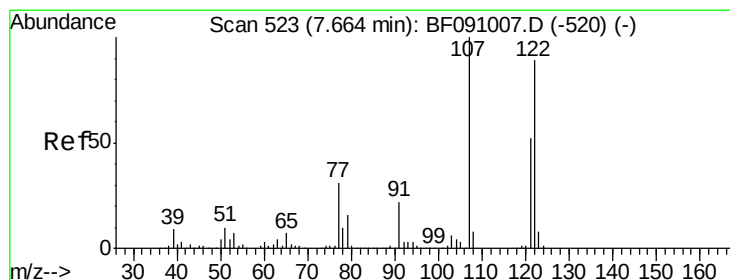
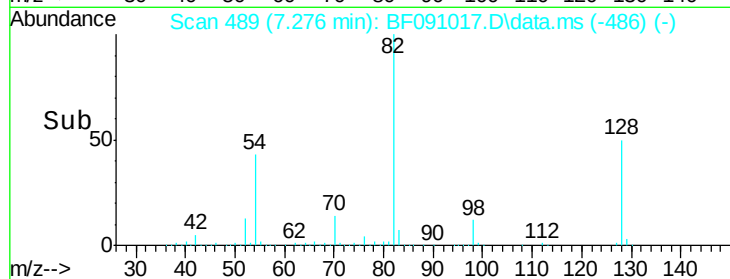
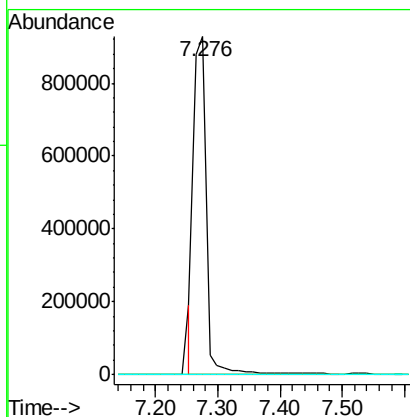
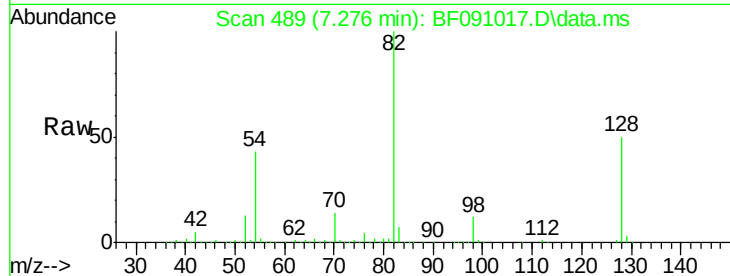
Tot Ion: 82 Resp: 1334995

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.0 19.4#



#27

2,4-Dimethylphenol

Concen: 0.05 ng

RT: 7.745 min Scan# 530

Delta R.T. 0.080 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

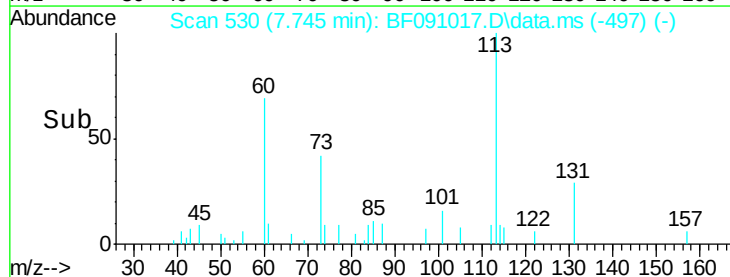
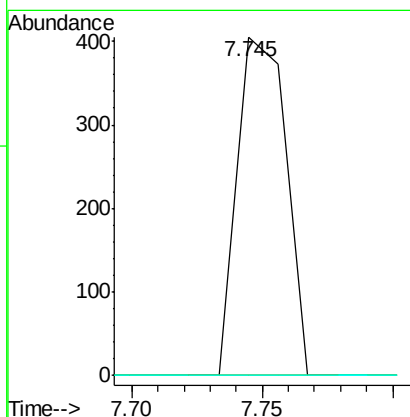
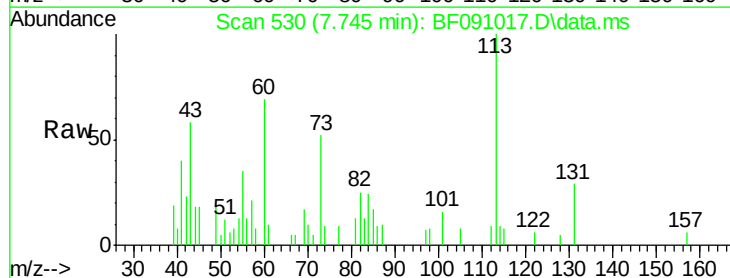
Tgt Ion:122 Resp: 534

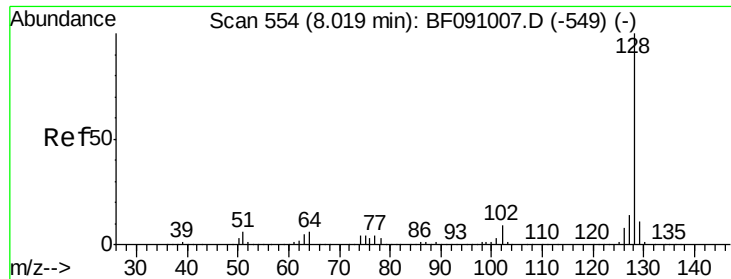
Ion Ratio Lower Upper

122 100

107 0.0 89.6 134.4#

121 0.0 46.3 69.5#





#31

Naphthalene

Concen: 0.54 ng

RT: 8.008 min Scan# 55

Delta R.T. -0.011 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

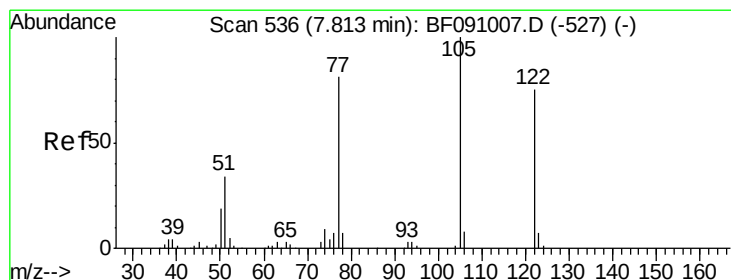
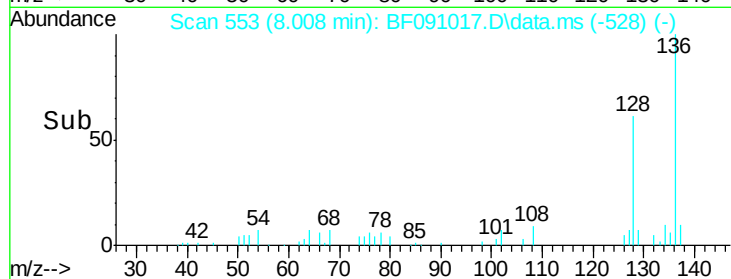
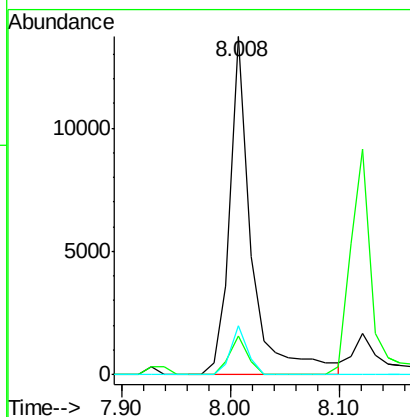
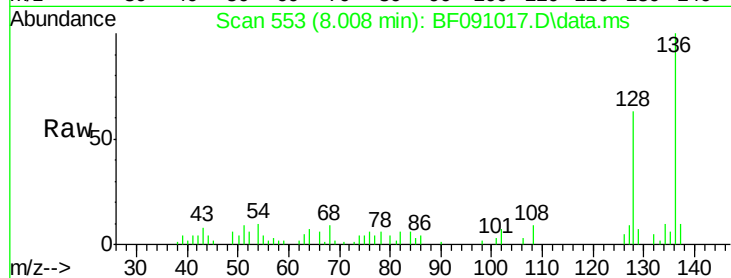
Tot Ion:128 Resp: 19034

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 14.5 10.9 16.3



#32

Benzoic acid

Concen: 5.13 ng

RT: 7.745 min Scan# 530

Delta R.T. -0.068 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

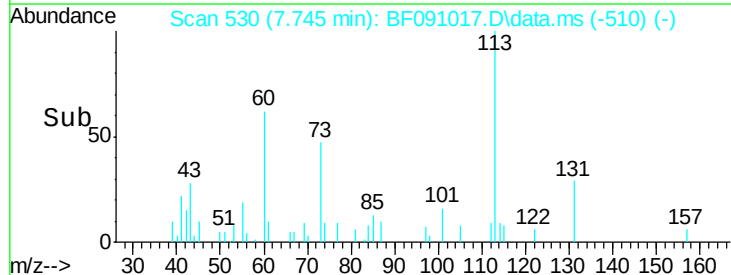
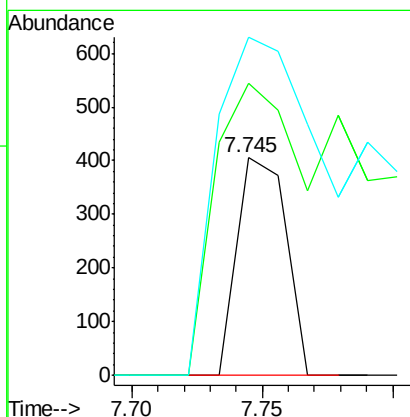
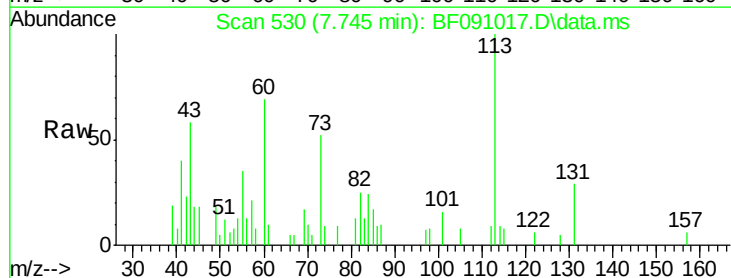
Tgt Ion:122 Resp: 534

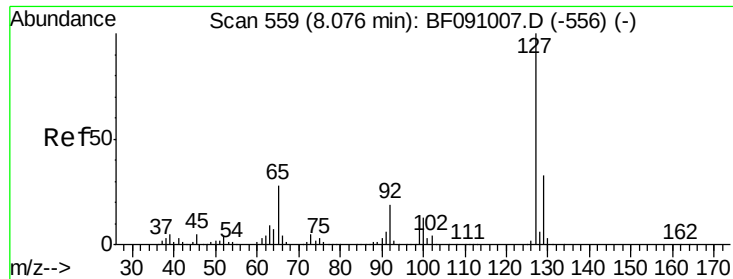
Ion Ratio Lower Upper

122 100

105 134.1 105.9 145.9

77 155.6 84.0 124.0#

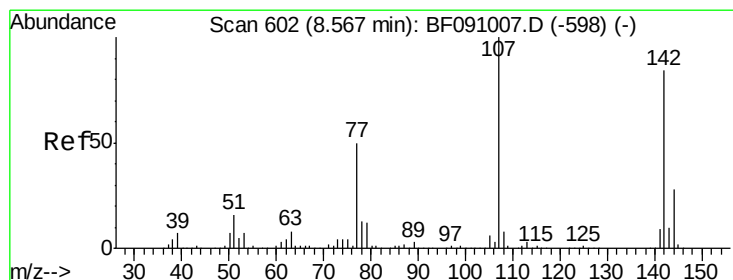
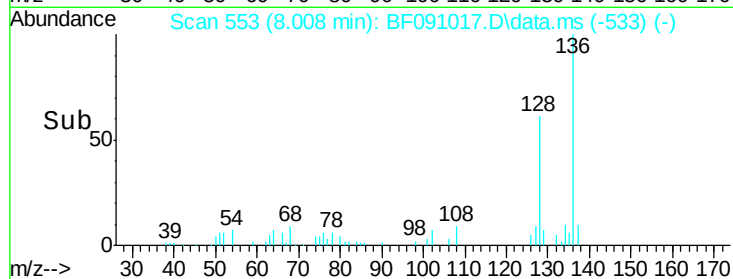
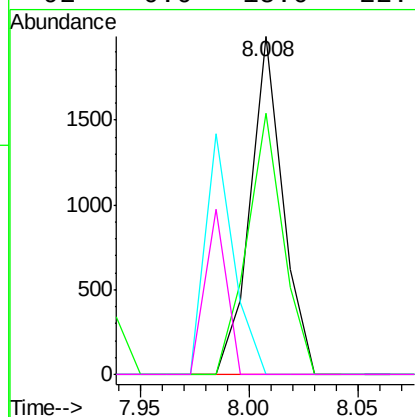
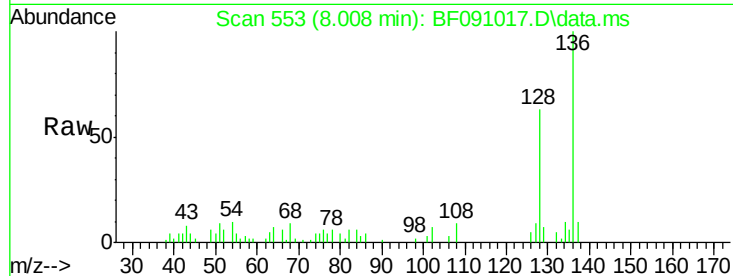




#33
4-Chloroaniline
Concen: 0.14 ng
RT: 8.008 min Scan# 55
Delta R.T. -0.068 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

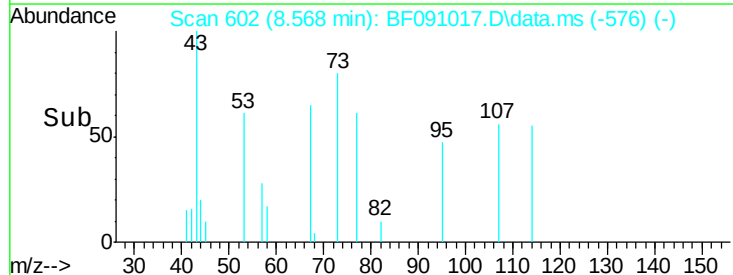
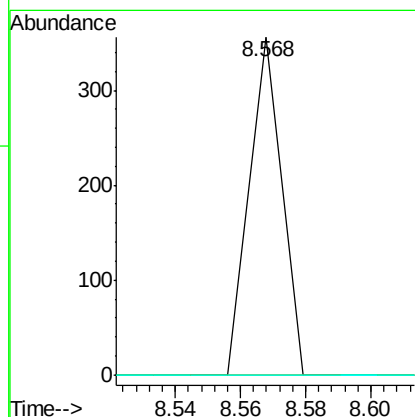
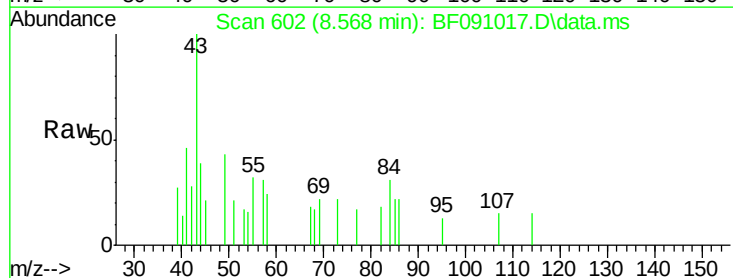
Instrument :
BNA_F
ClientSampleId :

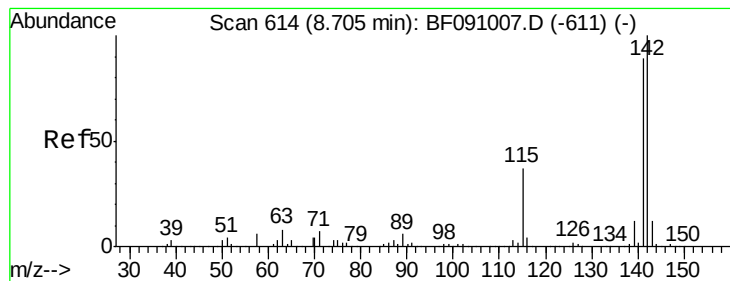
Tot Ion:	127	Resp:	2092
Ion	Ratio	Lower	Upper
127	100		
129	77.2	26.6	39.8#
65	0.0	22.2	33.2#
92	0.0	15.0	22.4#



#36
4-Chloro-3-methylphenol
Concen: 0.02 ng
RT: 8.568 min Scan# 602
Delta R.T. 0.000 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

Tgt Ion:	107	Resp:	244
Ion	Ratio	Lower	Upper
107	100		
144	0.0	22.5	33.7#
142	0.0	67.4	101.2#





#37

2-Methylnaphthalene

Concen: 0.14 ng

RT: 8.705 min Scan# 61

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

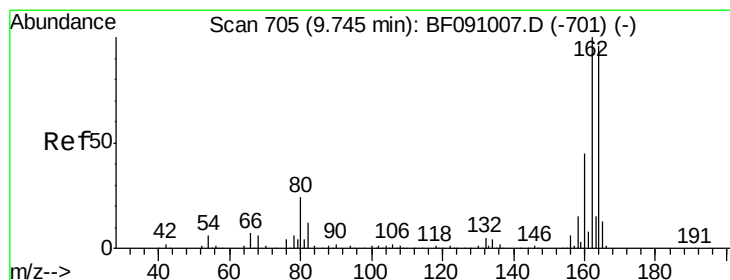
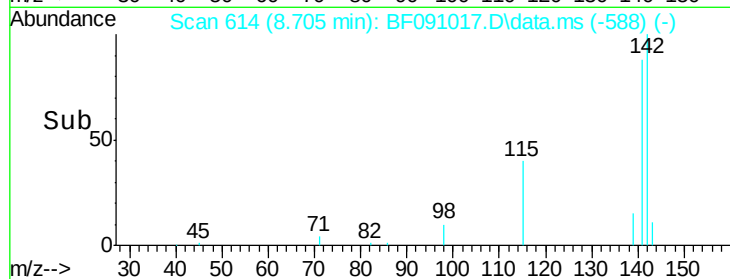
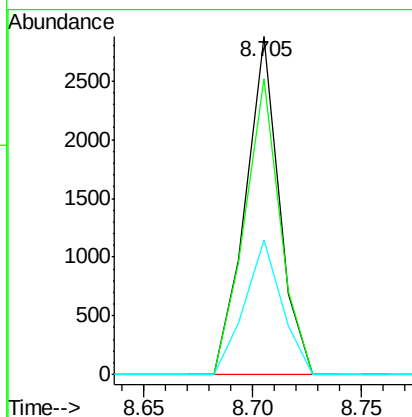
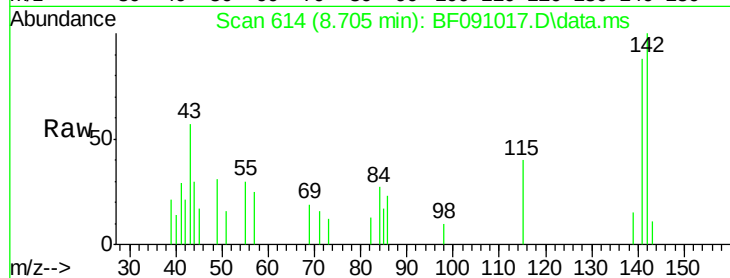
Tot Ion:142 Resp: 3116

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9

115 39.8 29.9 44.9



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.745 min Scan# 705

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

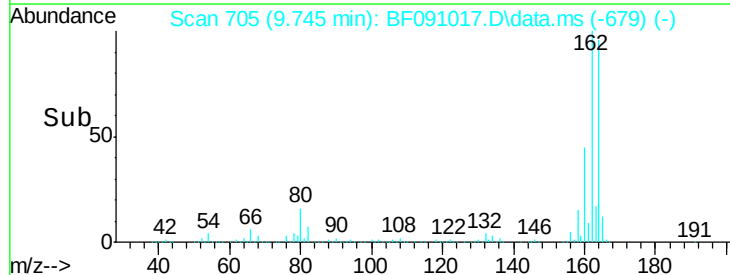
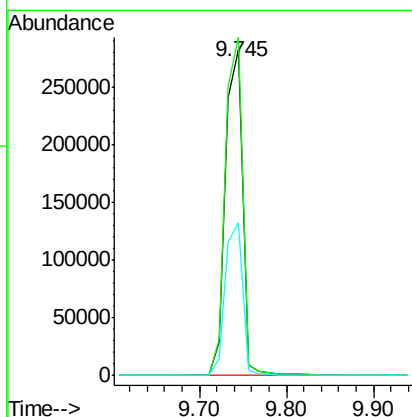
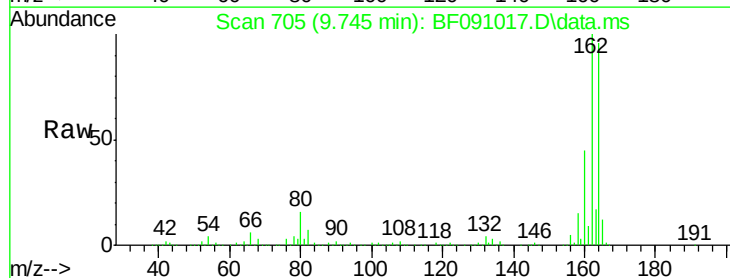
Tgt Ion:164 Resp: 392338

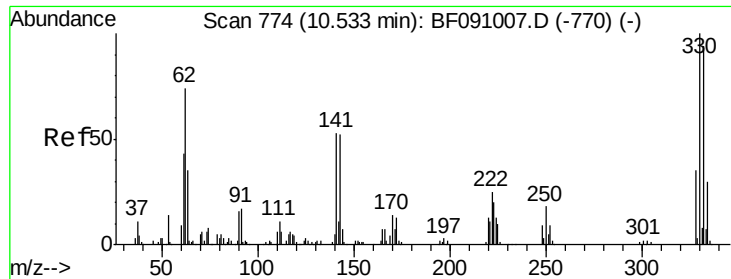
Ion Ratio Lower Upper

164 100

162 104.1 83.6 125.4

160 47.0 37.9 56.9

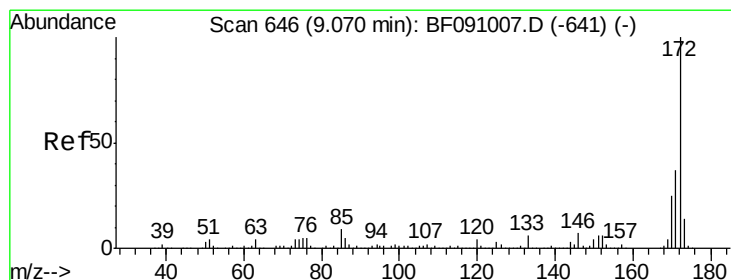
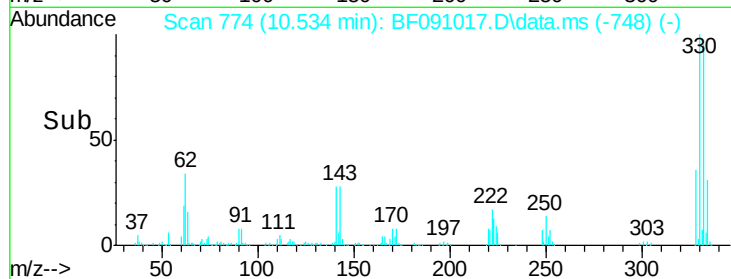
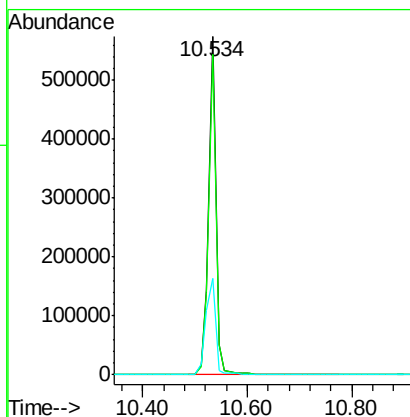
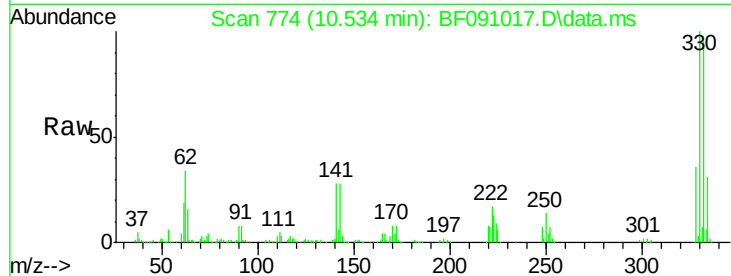




#41
 2,4,6-Tribromophenol
 Concen: 156.25 ng
 RT: 10.534 min Scan# 774
 Delta R.T. 0.001 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

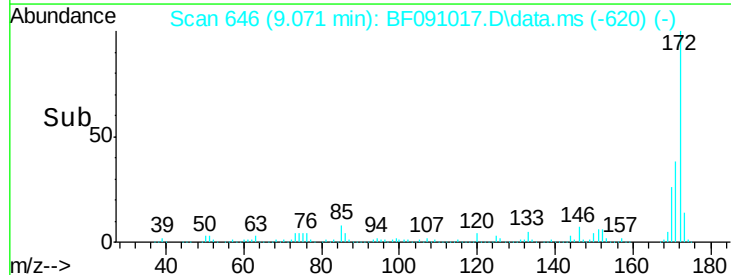
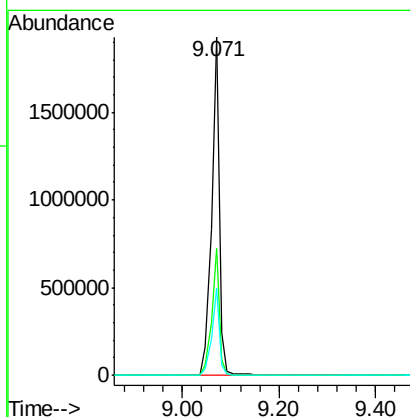
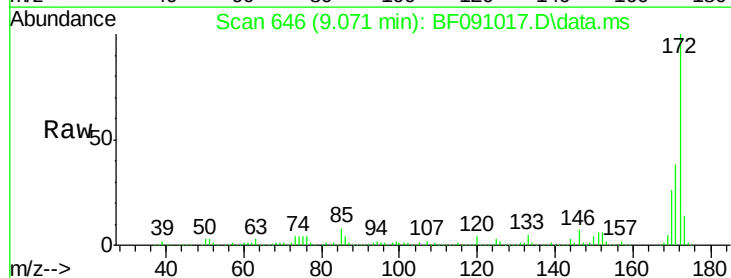
Instrument :
 BNA_F
 ClientSampleId :

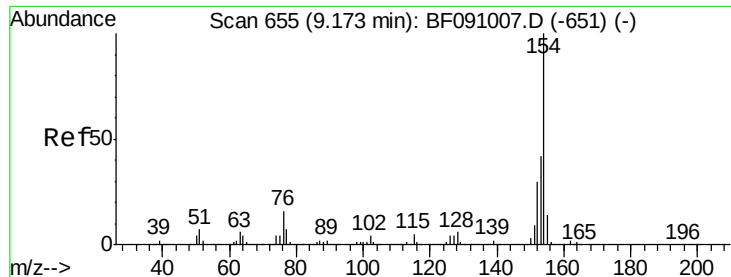
Tot Ion:330 Resp: 554220
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.9 113.9
 141 38.2 36.1 54.1



#44
 2-Fluorobiphenyl
 Concen: 97.84 ng
 RT: 9.071 min Scan# 646
 Delta R.T. 0.000 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

Tgt Ion:172 Resp: 2229751
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.8 44.6
 170 25.8 20.3 30.5

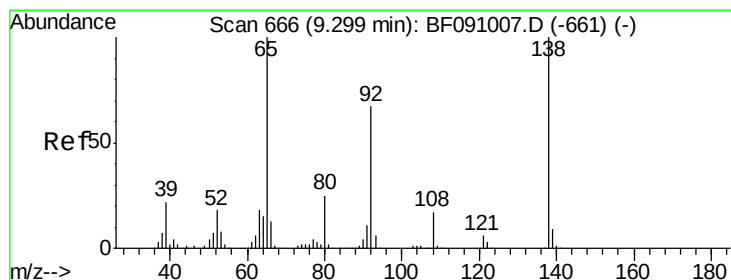
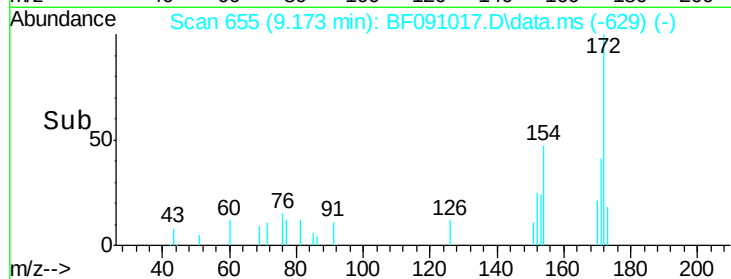
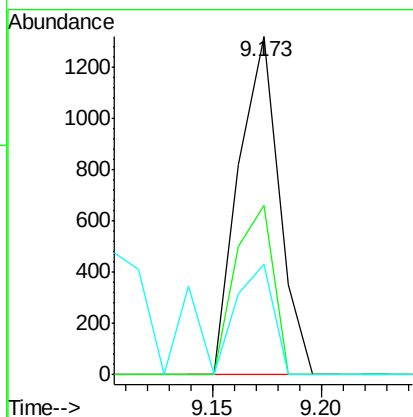
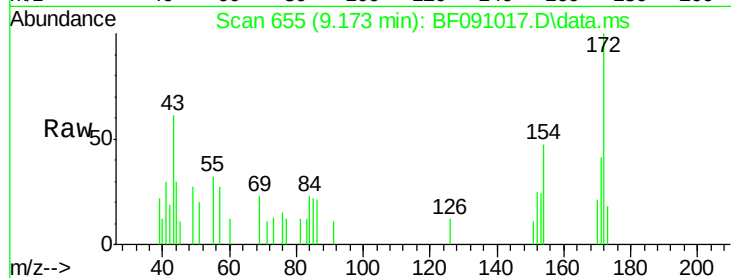




#45
 1,1'-Biphenyl
 Concen: 0.06 ng
 RT: 9.173 min Scan# 65
 Delta R.T. 0.000 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

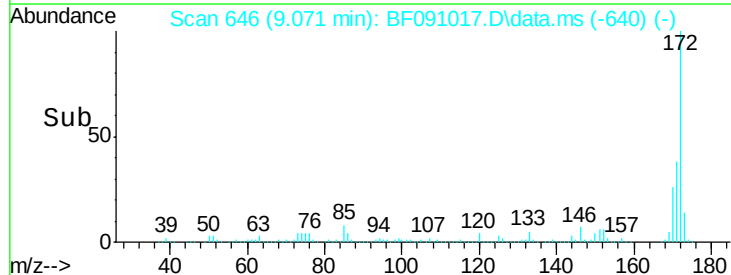
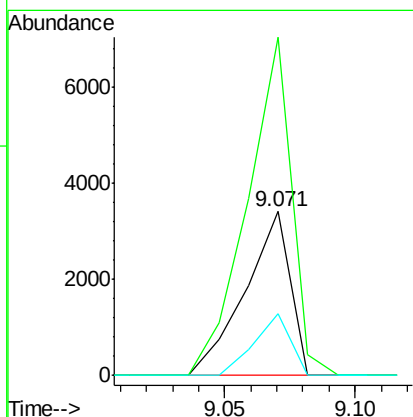
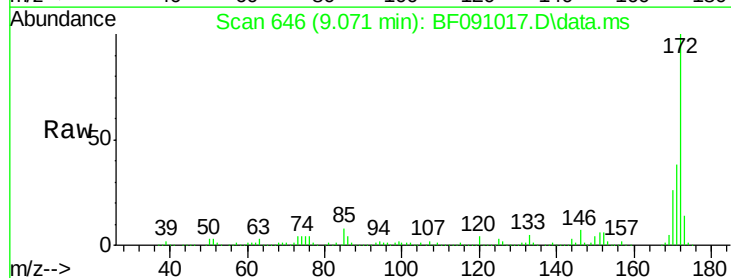
Instrument :
 BNA_F
 ClientSampleId :

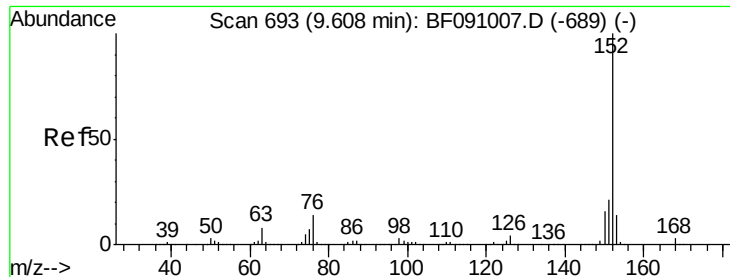
Tot Ion	Ratio	Lower	Upper
154	100		
153	50.2	21.6	61.6
76	32.5	0.0	36.2



#47
 2-Nitroaniline
 Concen: 0.51 ng
 RT: 9.071 min Scan# 646
 Delta R.T. -0.228 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

Tgt Ion	Ratio	Lower	Upper
65	100		
92	206.9	53.9	80.9#
138	37.6	80.1	120.1#





#48

Acenaphthylene

Concen: 0.04 ng

RT: 9.596 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

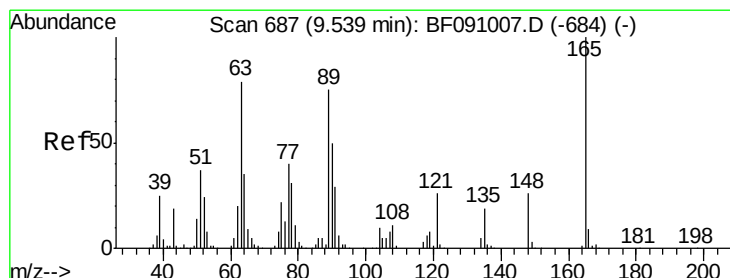
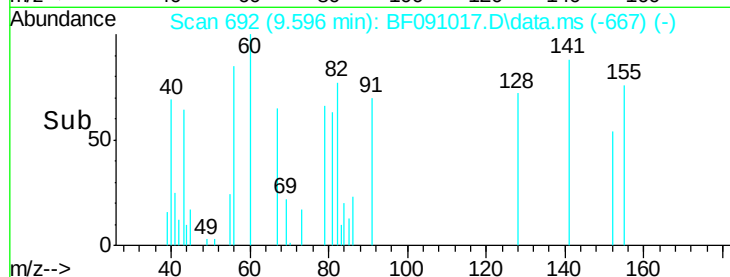
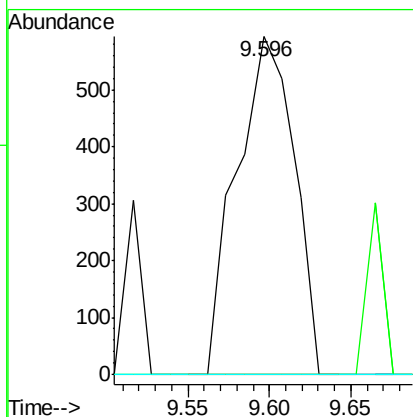
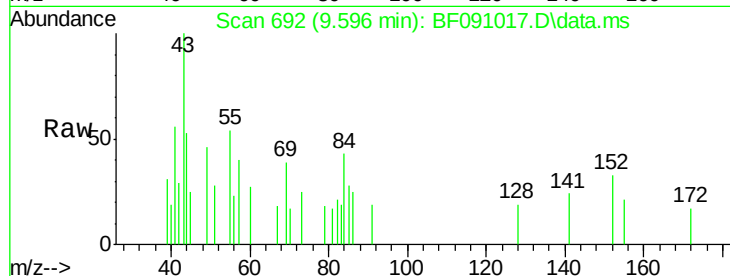
Tot Ion:152 Resp: 1458

Ion Ratio Lower Upper

152 100

151 0.0 16.7 25.1#

153 0.0 11.1 16.7#



#50

2,6-Dinitrotoluene

Concen: 9.20 ng

RT: 9.745 min Scan# 705

Delta R.T. 0.206 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

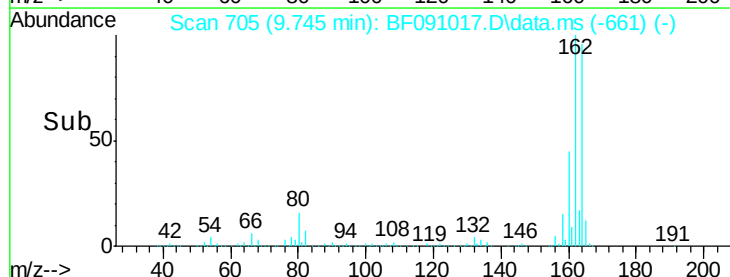
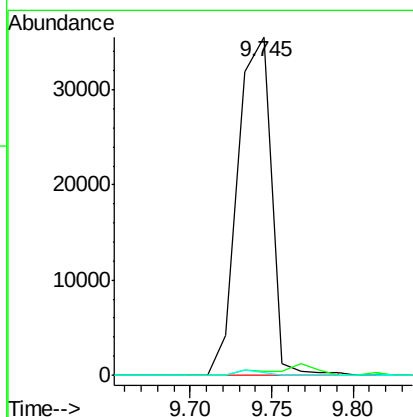
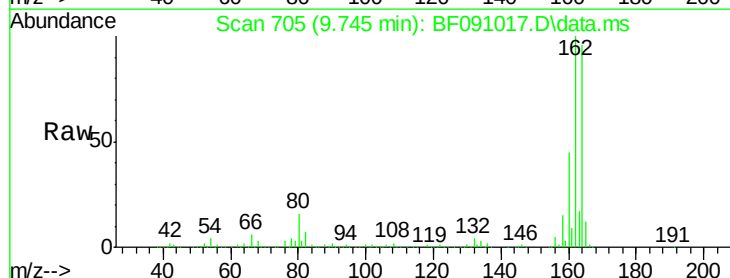
Tgt Ion:165 Resp: 50723

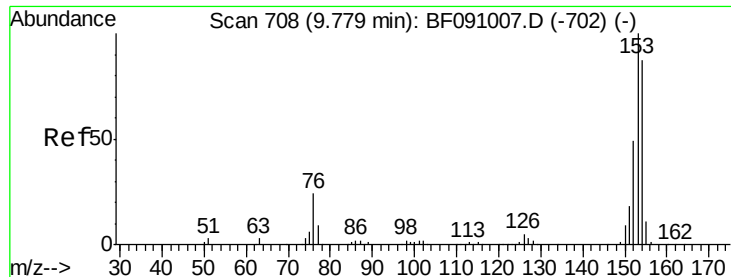
Ion Ratio Lower Upper

165 100

63 1.2 65.6 98.4#

89 1.0 59.8 89.6#





#51

Acenaphthene

Concen: 0.51 ng

RT: 9.768 min Scan# 70

Delta R.T. -0.011 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

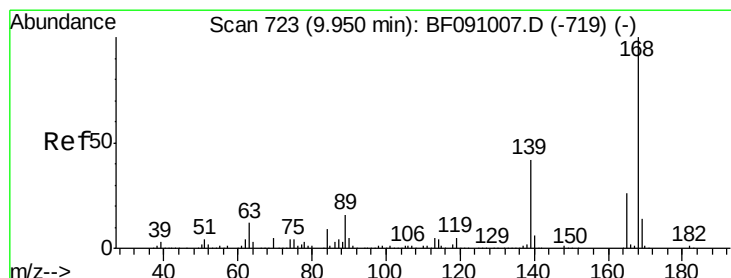
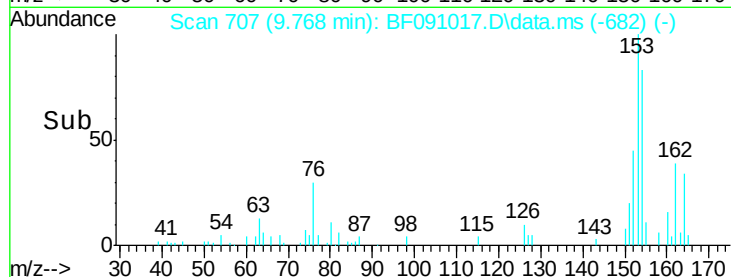
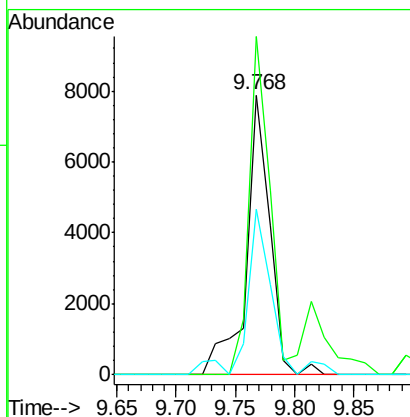
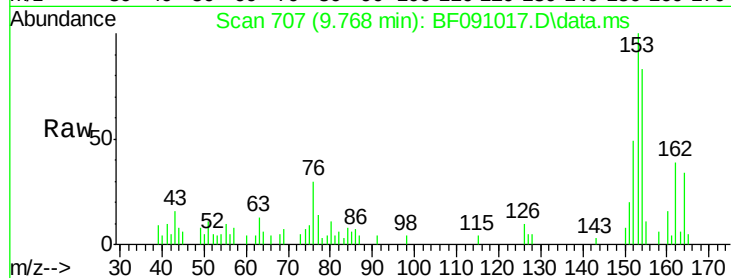
Tot Ion:154 Resp: 10929

Ion Ratio Lower Upper

154 100

153 121.0 91.6 137.4

152 59.1 44.6 67.0



#54

Dibenzofuran

Concen: 0.60 ng

RT: 9.951 min Scan# 723

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

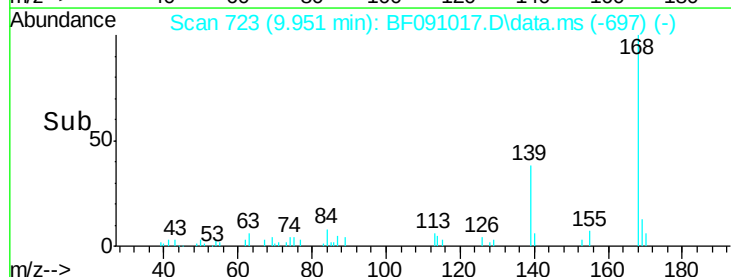
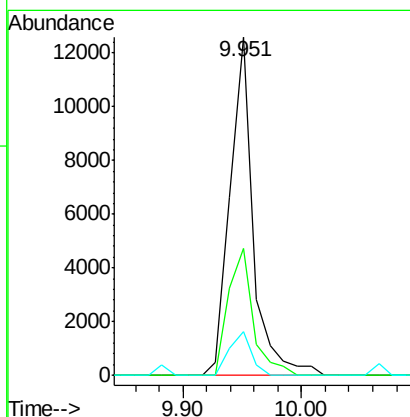
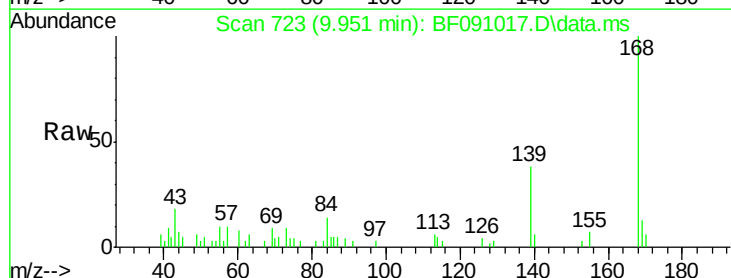
Tgt Ion:168 Resp: 17052

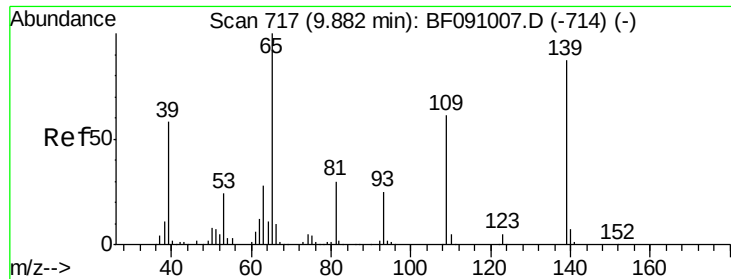
Ion Ratio Lower Upper

168 100

139 37.7 34.8 52.2

169 12.8 11.4 17.2

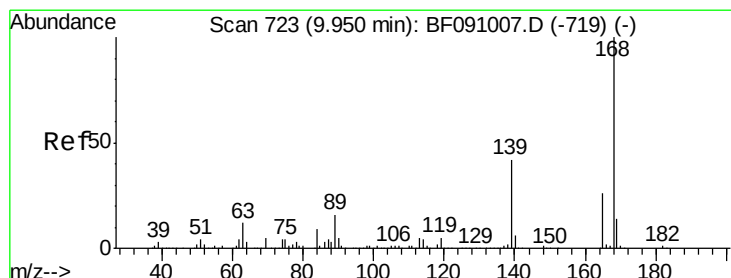
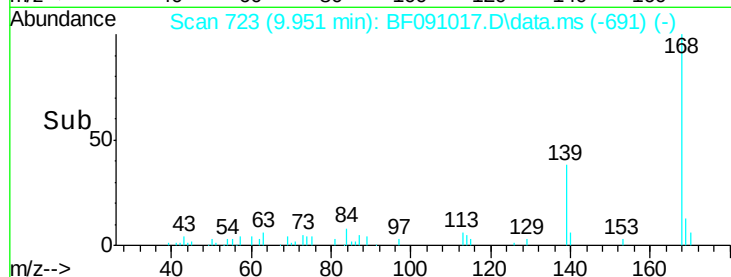
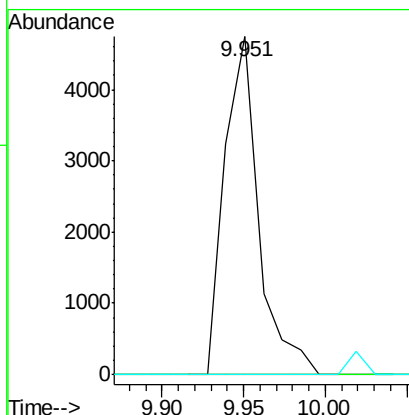
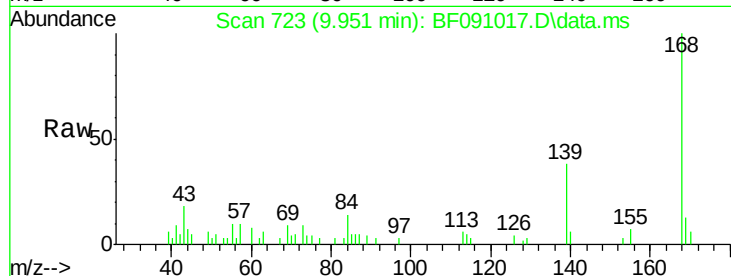




#55
4-Nitrophenol
Concen: 7.19 ng
RT: 9.951 min Scan# 72
Delta R.T. 0.070 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

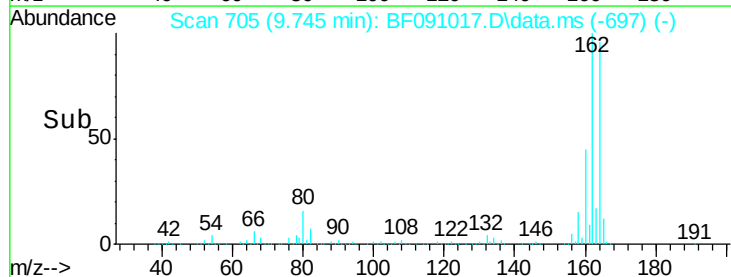
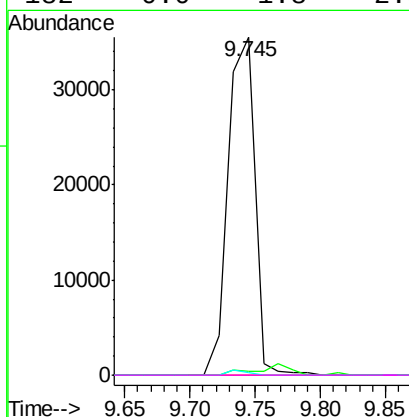
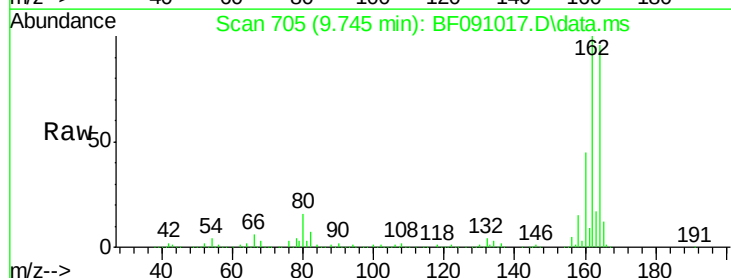
Instrument :
BNA_F
ClientSampleId :

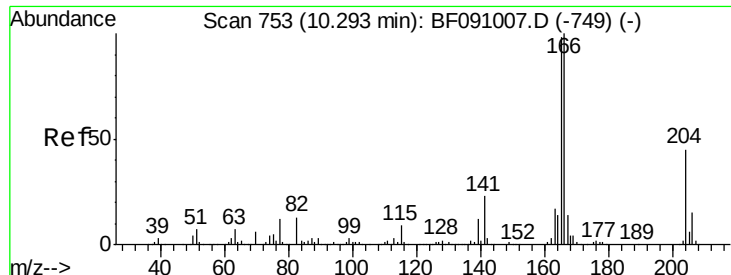
Tot Ion:139 Resp: 6816
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 97.1 137.1#



#56
2,4-Dinitrotoluene
Concen: 7.23 ng
RT: 9.745 min Scan# 705
Delta R.T. -0.206 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

Tgt Ion:165 Resp: 50717
Ion Ratio Lower Upper
165 100
63 1.2 38.7 58.1#
89 1.0 50.6 76.0#
182 0.0 1.8 2.8#

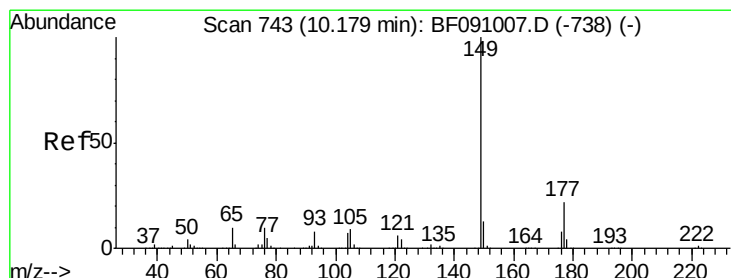
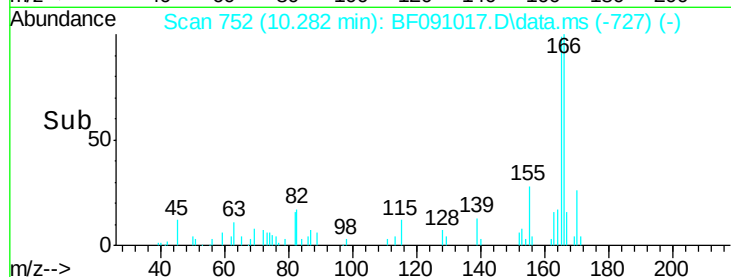
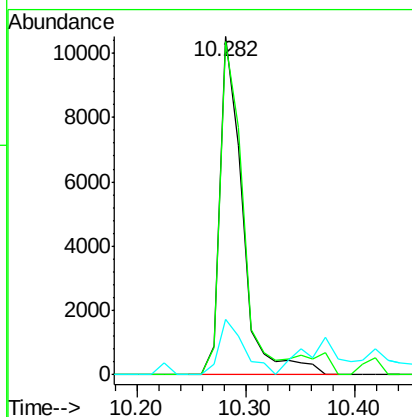
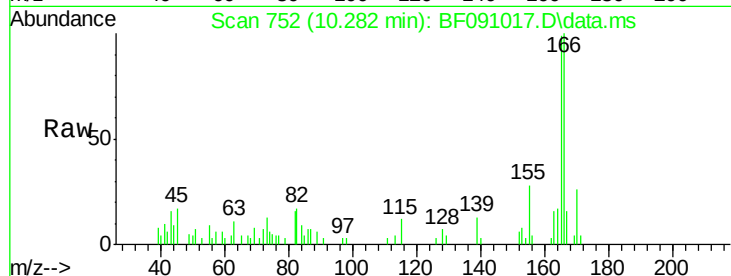




#57
 Fluorene
 Concen: 0.65 ng
 RT: 10.282 min Scan# 753
 Delta R.T. -0.011 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

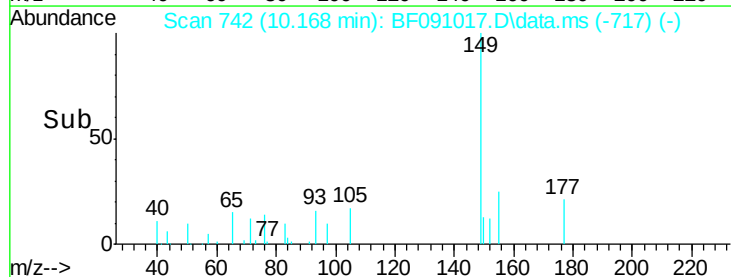
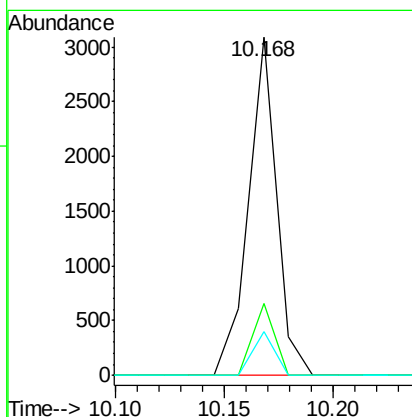
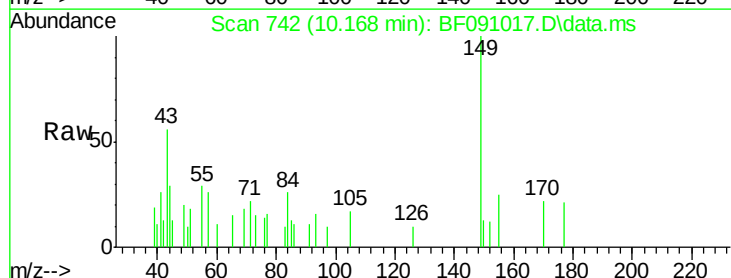
Instrument :
 BNA_F
 ClientSampleId :

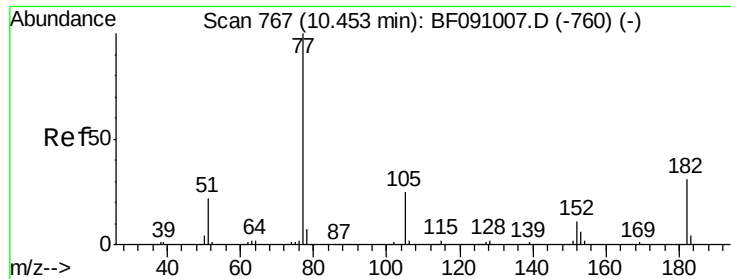
Tot Ion:166 Resp: 15128
 Ion Ratio Lower Upper
 166 100
 165 98.6 78.6 118.0
 167 16.2 11.1 16.7



#59
 Diethylphthalate
 Concen: 0.11 ng
 RT: 10.168 min Scan# 742
 Delta R.T. -0.011 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

Tgt Ion:149 Resp: 2774
 Ion Ratio Lower Upper
 149 100
 177 21.2 17.3 25.9
 150 12.8 10.3 15.5





#62

Azobenzene

Concen: 0.08 ng

RT: 10.454 min Scan# 76

Delta R.T. 0.000 min

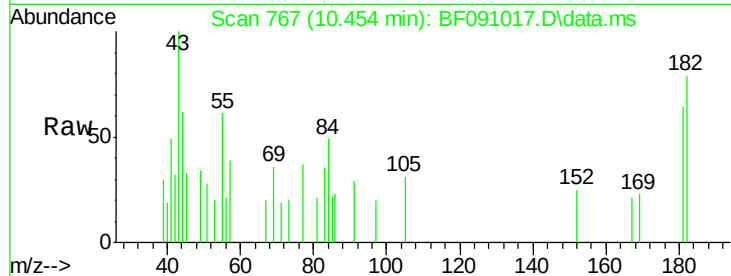
Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 77 Resp: 2554

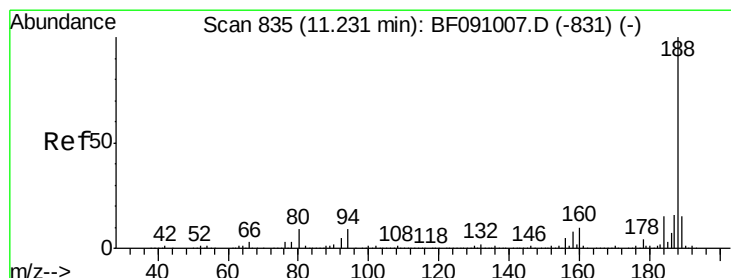
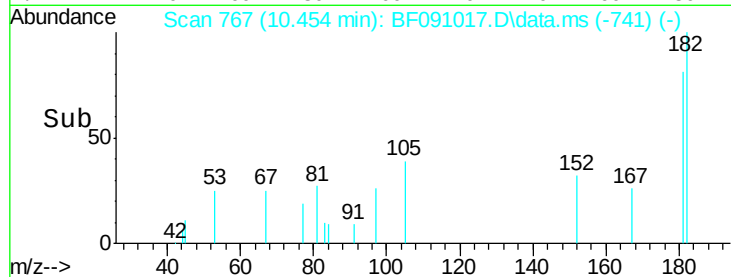
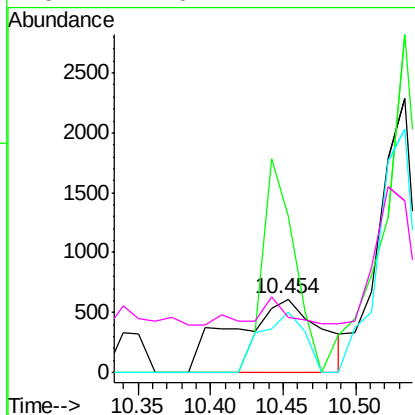
Ion Ratio Lower Upper

77 100

182 212.9 11.0 51.0#

105 82.7 5.6 45.6#

51 74.6 2.7 42.7#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.219 min Scan# 834

Delta R.T. -0.011 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

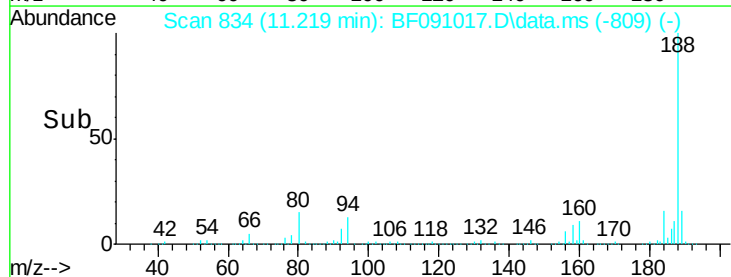
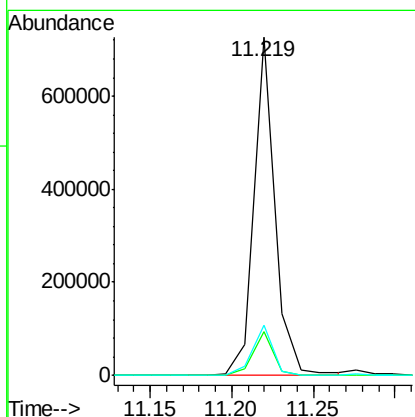
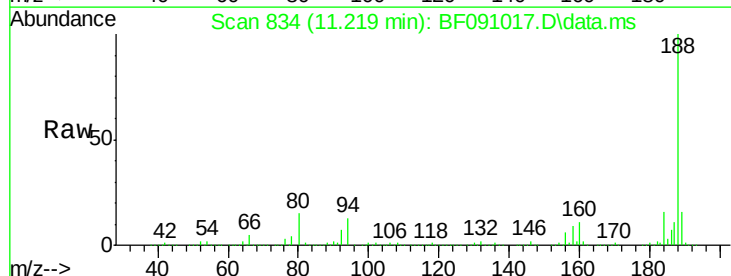
Tgt Ion: 188 Resp: 651286

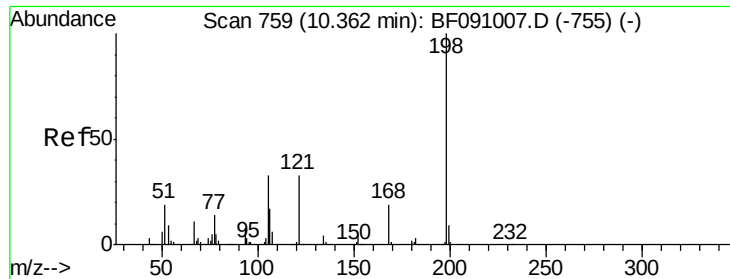
Ion Ratio Lower Upper

188 100

94 13.1 7.0 10.4#

80 14.8 7.5 11.3#





#64

4,6-Dinitro-2-methylphenol

Concen: 0.32 ng

RT: 10.534 min Scan# 774

Delta R.T. 0.173 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

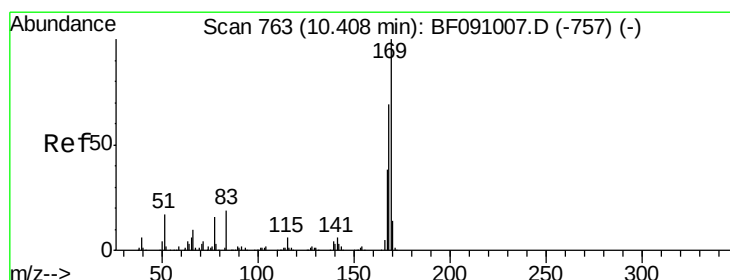
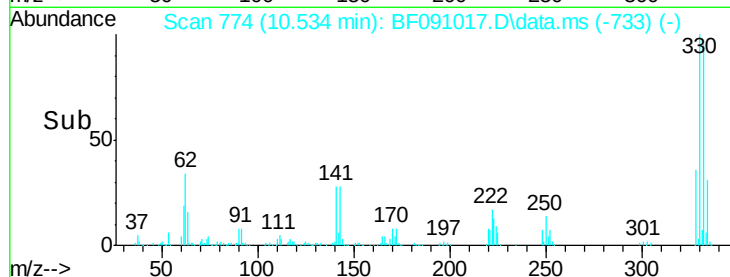
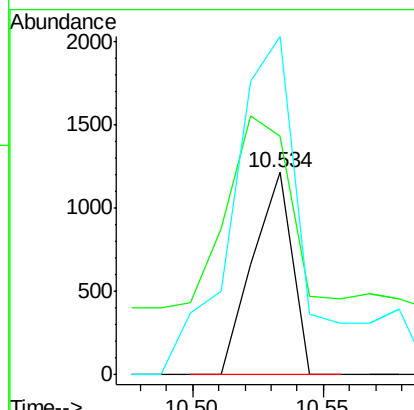
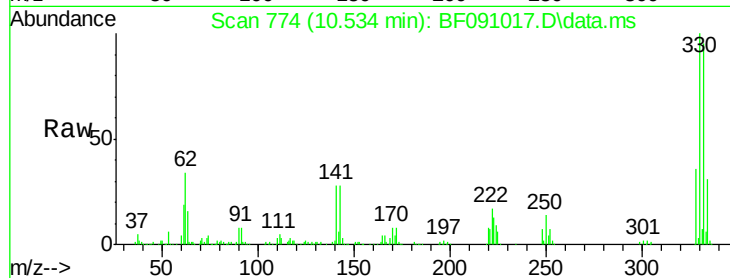
Tot Ion:198 Resp: 1285

Ion Ratio Lower Upper

198 100

51 117.8 5.9 45.9#

105 167.5 13.8 53.8#



#65

n-Nitrosodiphenylamine

Concen: 1.01 ng

RT: 10.534 min Scan# 774

Delta R.T. 0.126 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

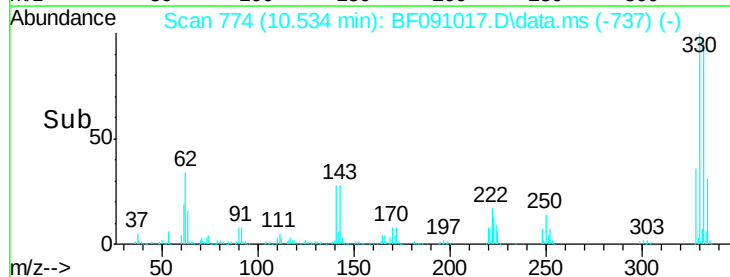
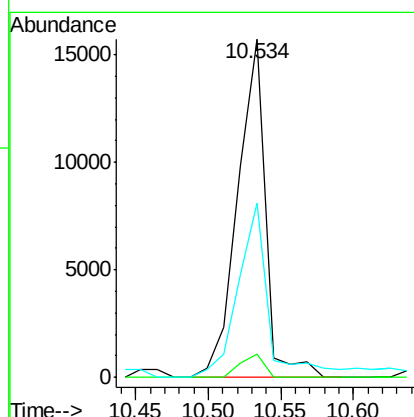
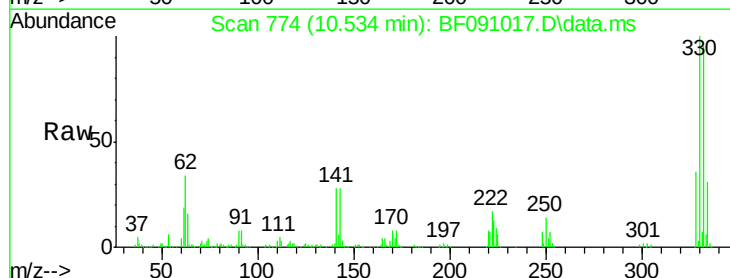
Tgt Ion:169 Resp: 20921

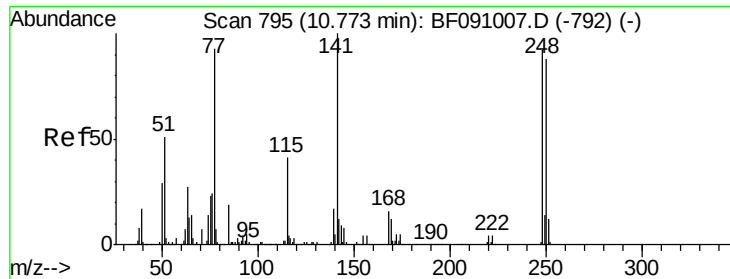
Ion Ratio Lower Upper

169 100

168 6.7 55.3 82.9#

167 51.4 30.3 45.5#

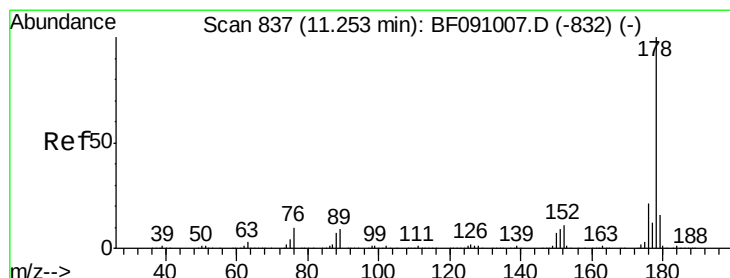
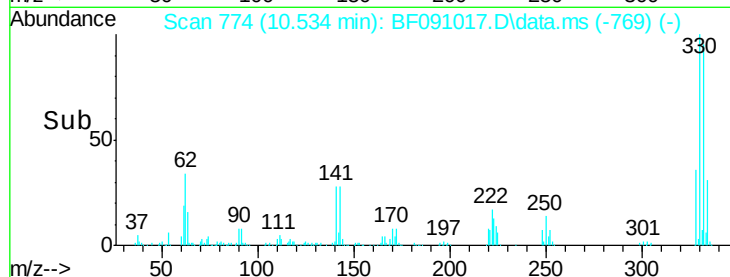
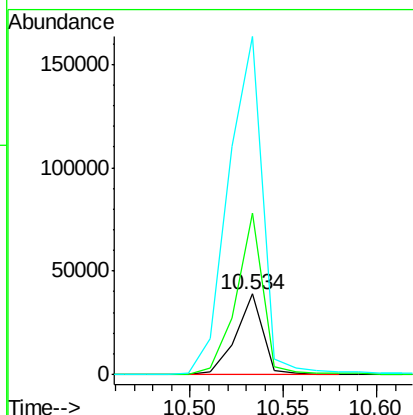
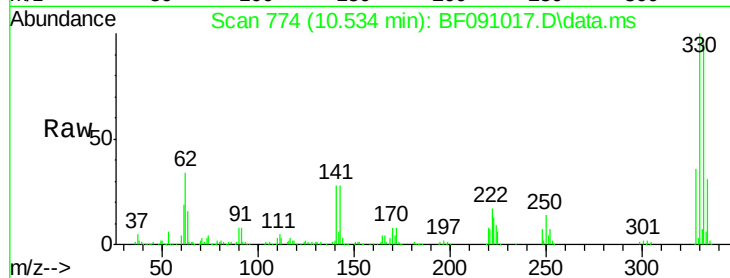




#66
4-Bromophenyl-phenylether
Concen: 5.78 ng
RT: 10.534 min Scan# 77
Delta R.T. -0.240 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

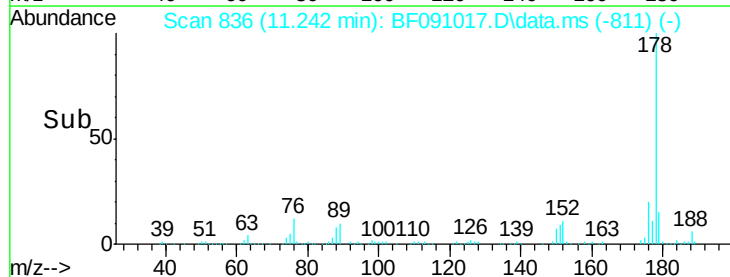
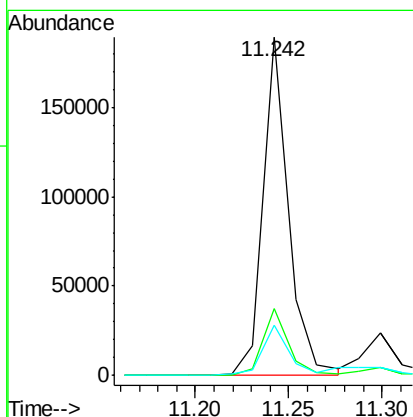
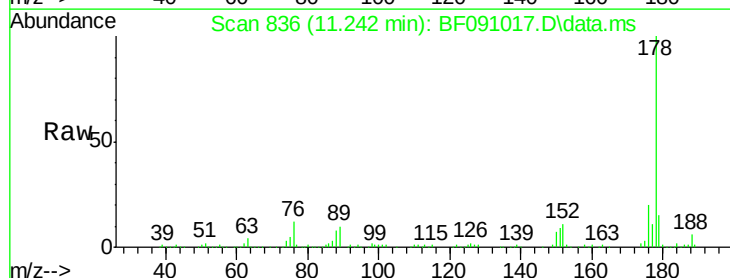
Instrument :
BNA_F
ClientSampleId :

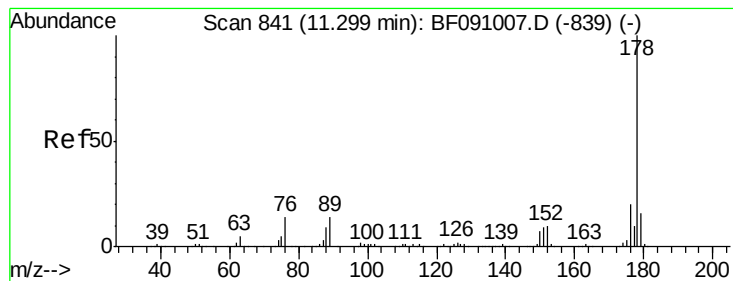
Tot Ion:248 Resp: 39188
Ion Ratio Lower Upper
248 100
250 200.8 76.3 114.5#
141 420.3 86.8 130.2#



#70
Phenanthrene
Concen: 5.14 ng
RT: 11.242 min Scan# 836
Delta R.T. -0.011 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

Tgt Ion:178 Resp: 177926
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 14.9 12.9 19.3





#71

Anthracene

Concen: 0.84 ng

RT: 11.299 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

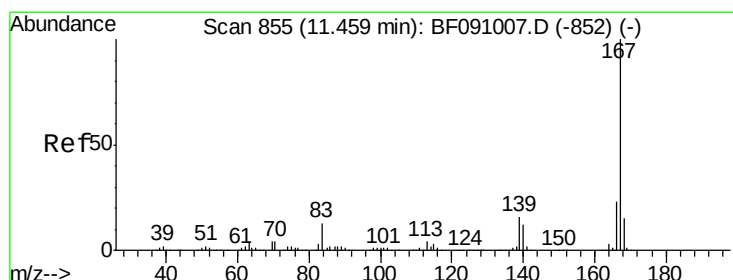
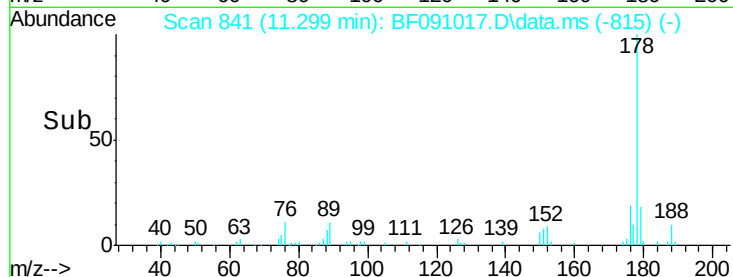
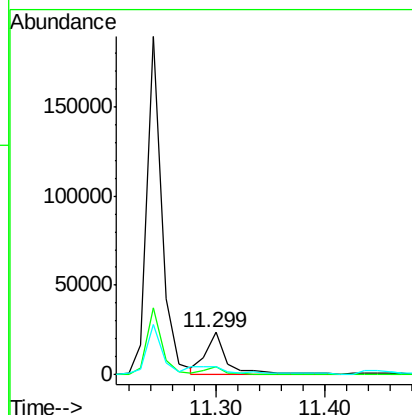
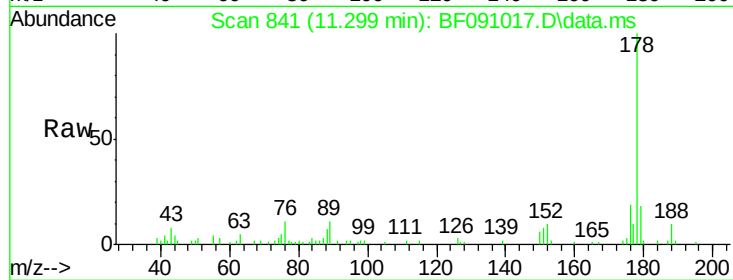
Tot Ion:178 Resp: 30994

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

179 17.8 13.0 19.6



#72

Carbazole

Concen: 1.21 ng

RT: 11.459 min Scan# 855

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

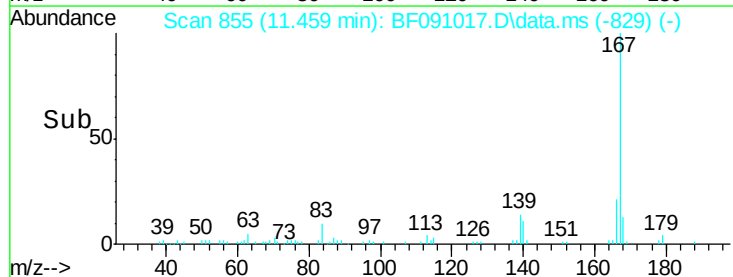
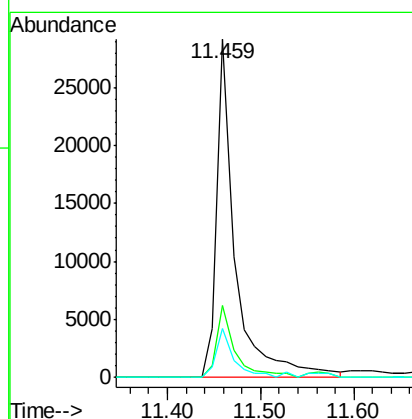
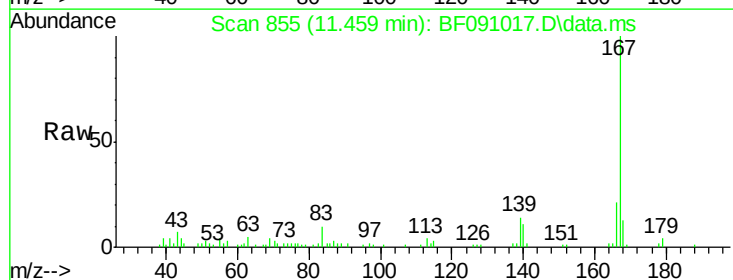
Tgt Ion:167 Resp: 40101

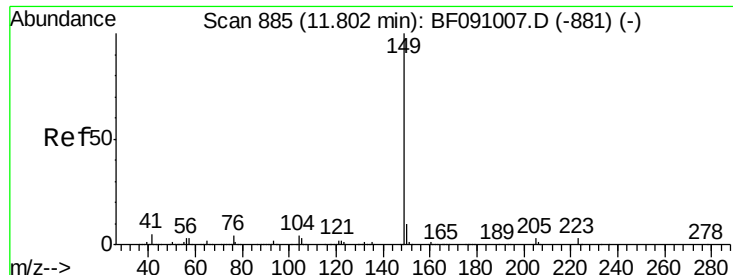
Ion Ratio Lower Upper

167 100

166 21.3 18.0 27.0

139 14.3 12.6 18.8





#73

Di-n-butylphthalate

Concen: 0.19 ng

RT: 11.791 min Scan# 88

Delta R.T. -0.011 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

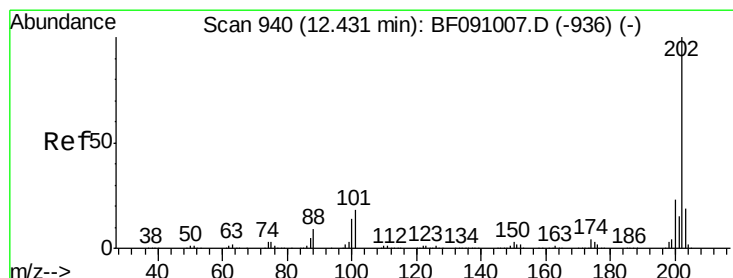
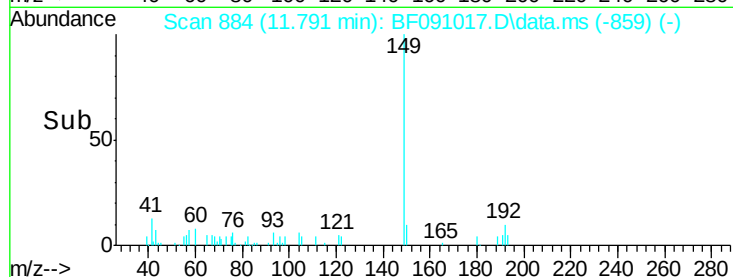
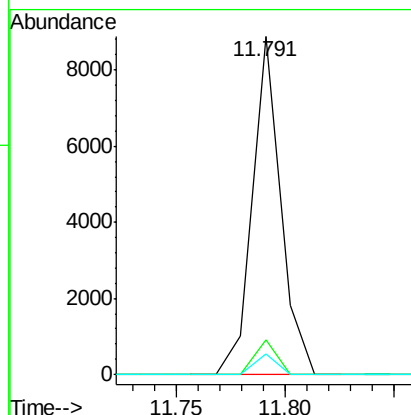
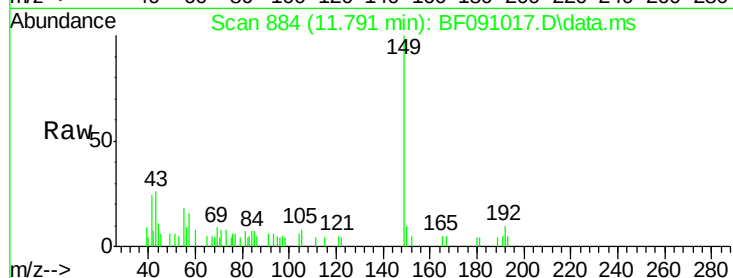
Tot Ion:149 Resp: 8022

Ion Ratio Lower Upper

149 100

150 10.1 7.7 11.5

104 5.9 3.6 5.4#



#74

Fluoranthene

Concen: 2.36 ng

RT: 12.431 min Scan# 940

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

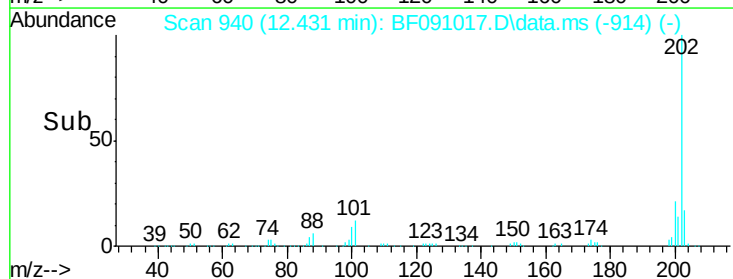
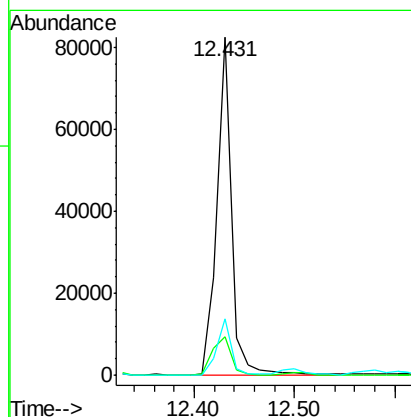
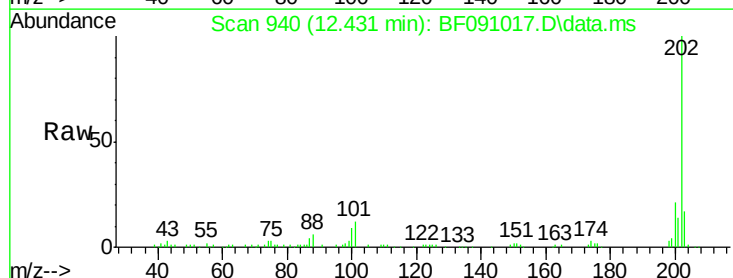
Tgt Ion:202 Resp: 84568

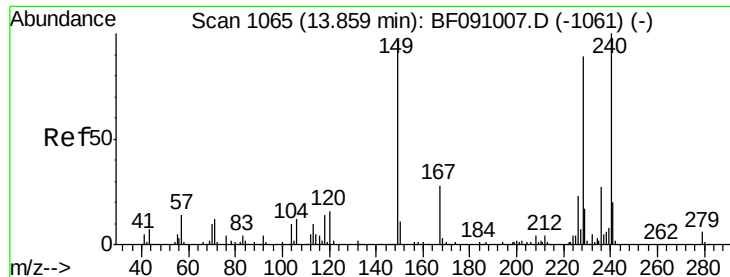
Ion Ratio Lower Upper

202 100

101 11.5 0.0 37.6

203 16.8 0.0 38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.860 min Scan# 1065

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

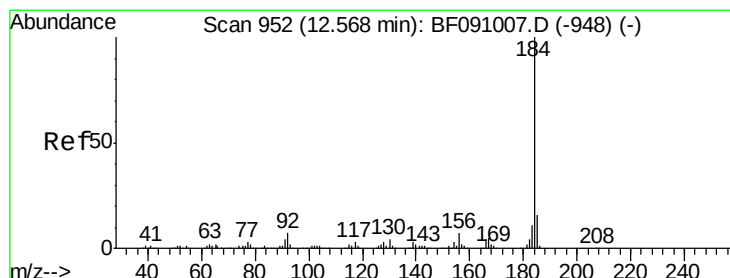
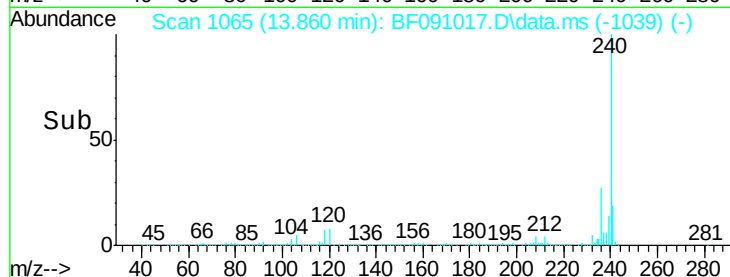
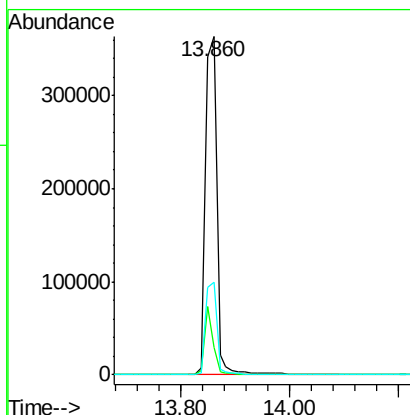
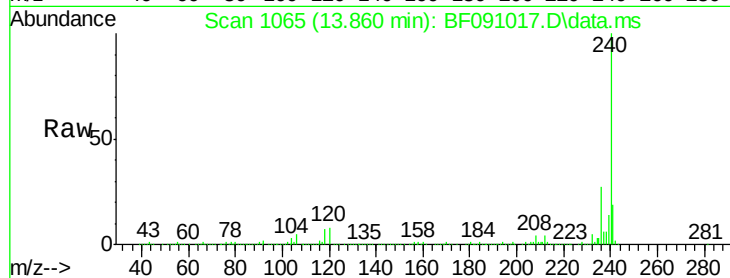
Tot Ion:240 Resp: 525950

Ion Ratio Lower Upper

240 100

120 8.0 12.9 19.3#

236 27.4 21.9 32.9



#76

Benzidine

Concen: 2.13 ng

RT: 12.808 min Scan# 973

Delta R.T. 0.240 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

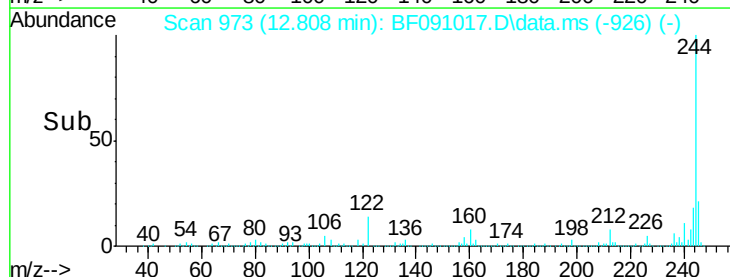
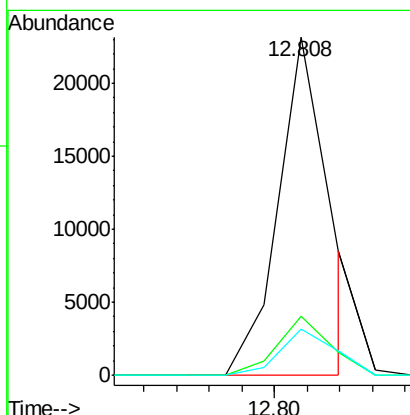
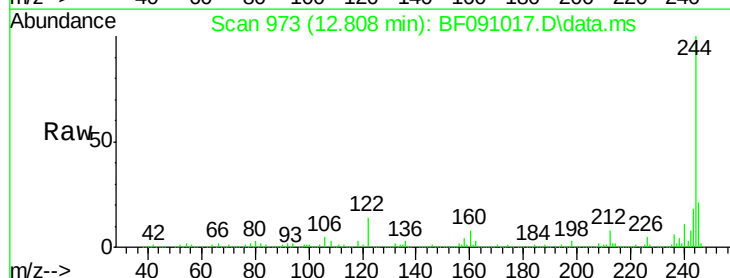
Tgt Ion:184 Resp: 24998

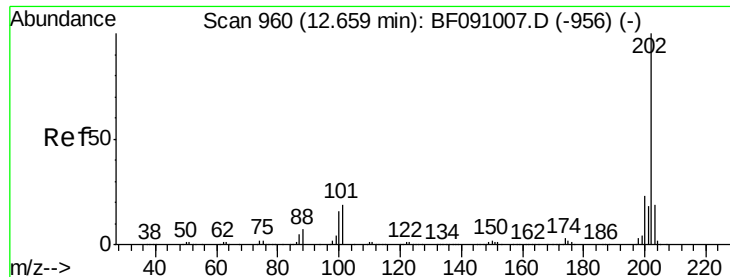
Ion Ratio Lower Upper

184 100

185 17.4 13.0 19.4

183 13.6 8.7 13.1#





#77

Pvrene

Concen: 1.61 ng

RT: 12.659 min Scan# 960

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

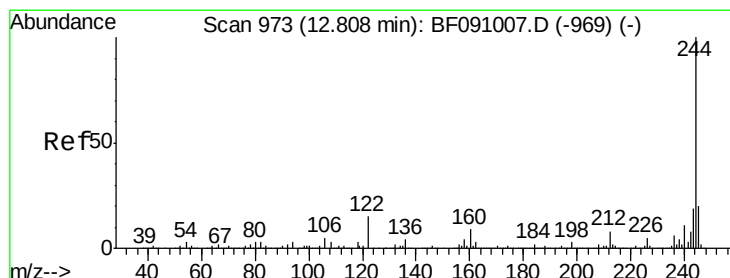
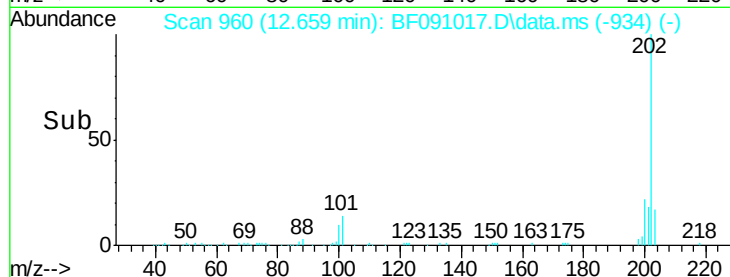
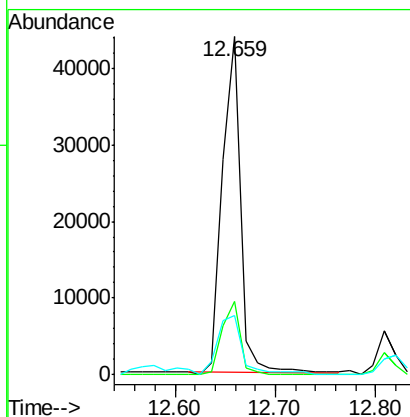
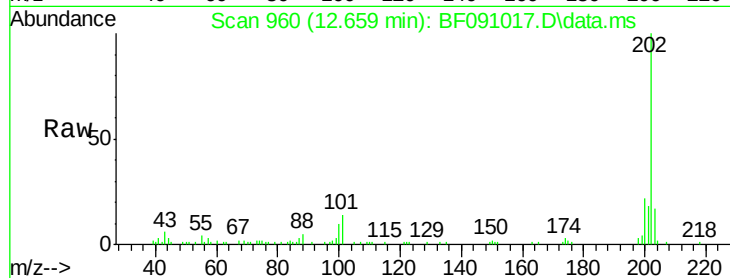
Tot Ion:202 Resp: 55447

Ion Ratio Lower Upper

202 100

200 21.8 18.4 27.6

203 17.4 15.0 22.6



#78

Terphenyl-d14

Concen: 89.62 ng

RT: 12.808 min Scan# 973

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

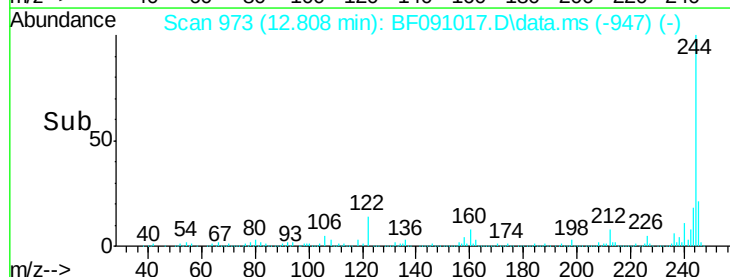
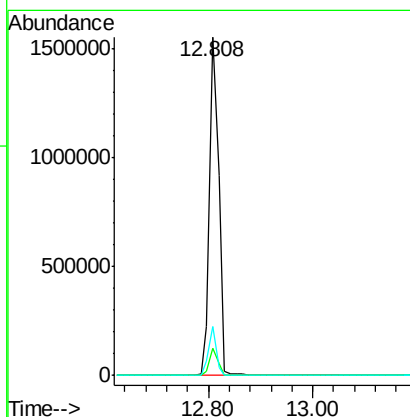
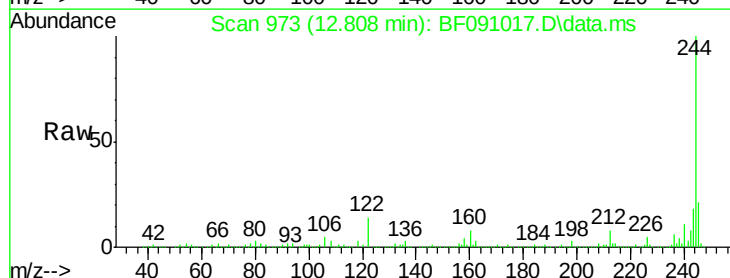
Tgt Ion:244 Resp: 1888795

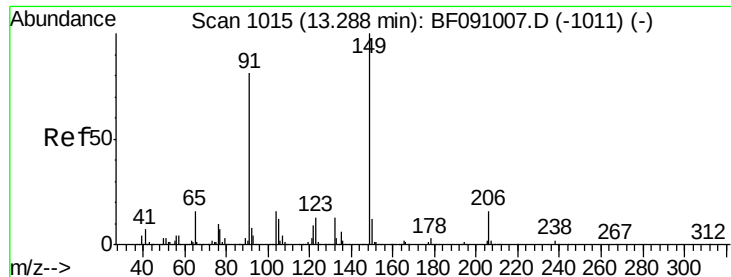
Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

122 14.3 12.3 18.5





#79

Butylbenzylphthalate

Concen: 0.07 ng

RT: 13.288 min Scan# 1015

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

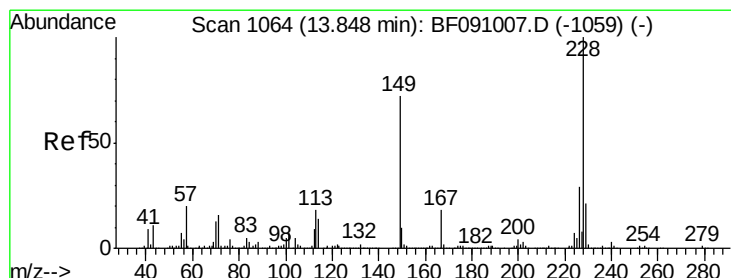
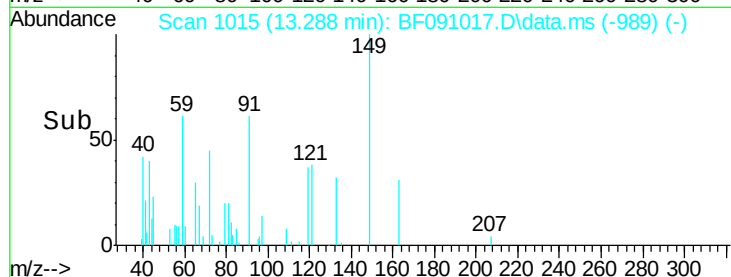
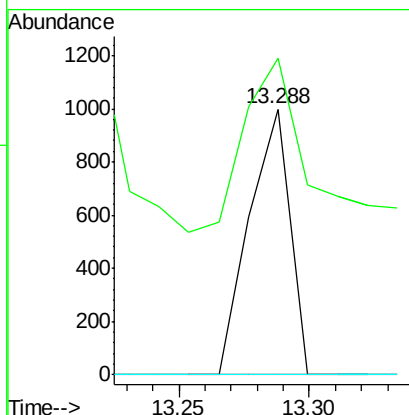
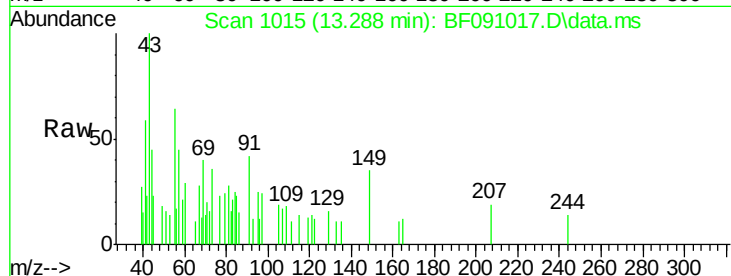
Tot Ion:149 Resp: 1092

Ion Ratio Lower Upper

149 100

91 119.2 65.0 97.4#

206 0.0 12.5 18.7#



#80

Benzo(a)anthracene

Concen: 0.58 ng

RT: 13.848 min Scan# 1064

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

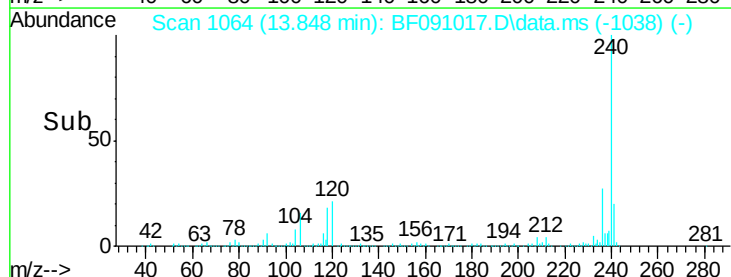
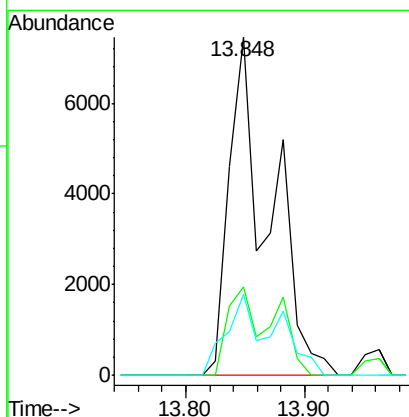
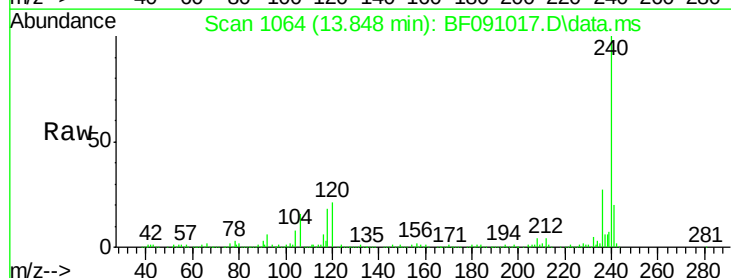
Tgt Ion:228 Resp: 17430

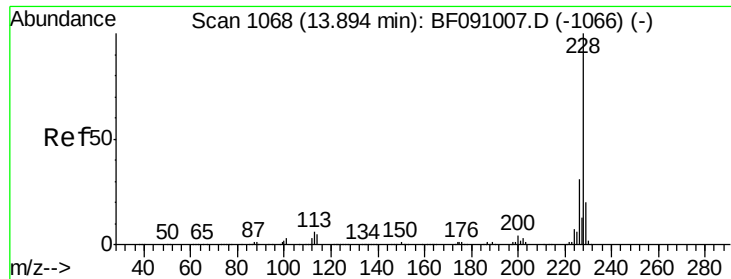
Ion Ratio Lower Upper

228 100

226 26.0 23.0 34.6

229 23.9 16.6 24.8





#82

Chrysene

Concen: 0.59 ng

RT: 13.848 min Scan# 1064

Delta R.T. -0.046 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

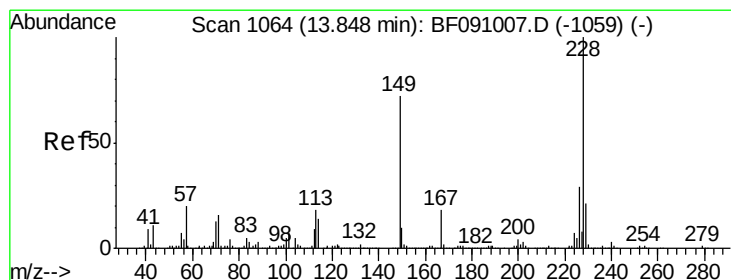
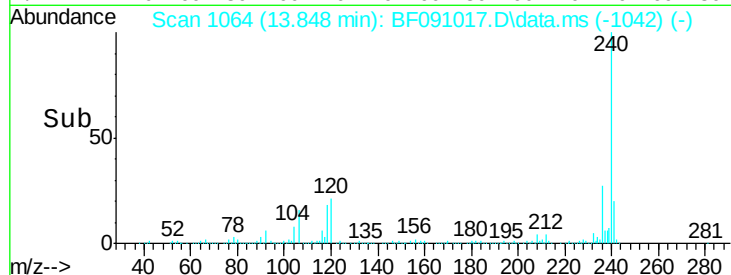
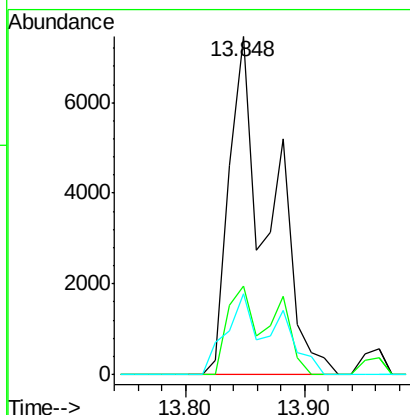
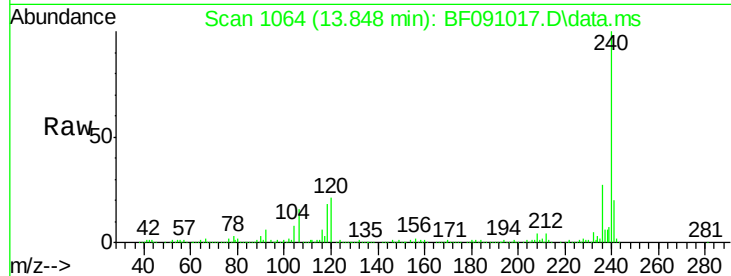
Tot Ion:228 Resp: 17430

Ion Ratio Lower Upper

228 100

226 26.0 24.9 37.3

229 23.9 15.9 23.9



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 13.848 min Scan# 1064

Delta R.T. 0.000 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

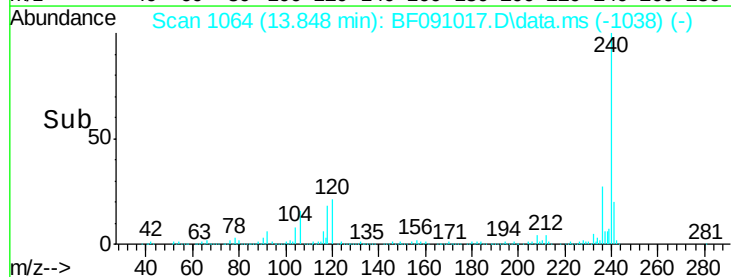
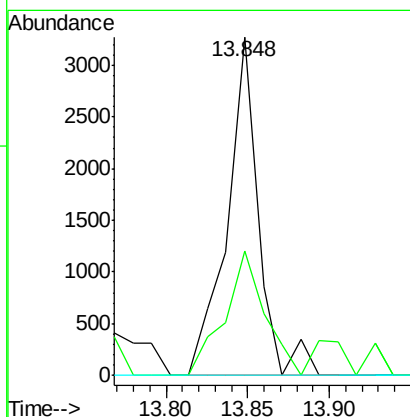
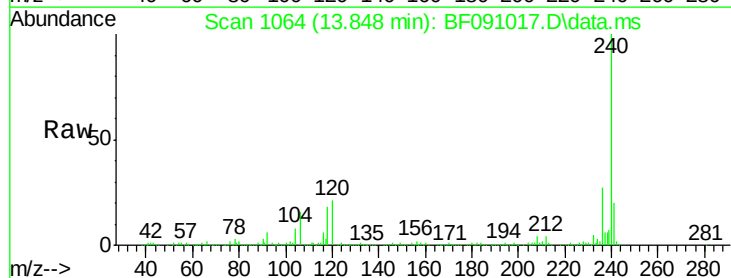
Tgt Ion:149 Resp: 4336

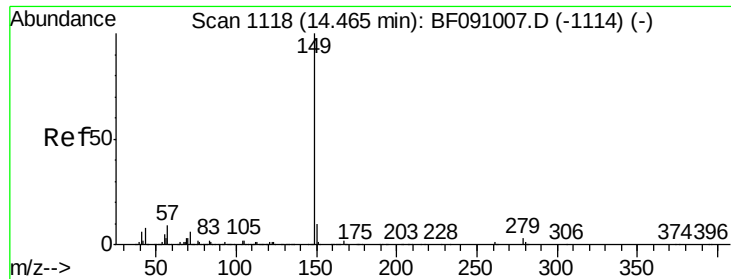
Ion Ratio Lower Upper

149 100

167 36.9 20.4 30.6#

279 0.0 1.6 2.4#





#84

Di-n-octyl phthalate

Concen: 0.06 ng

RT: 14.488 min Scan# 111

Delta R.T. 0.023 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

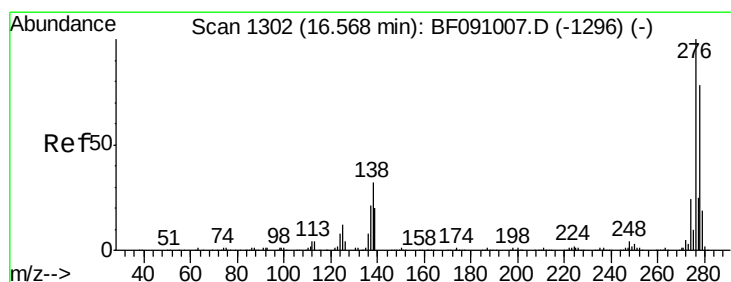
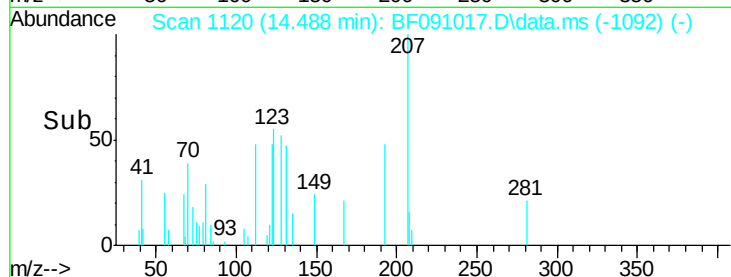
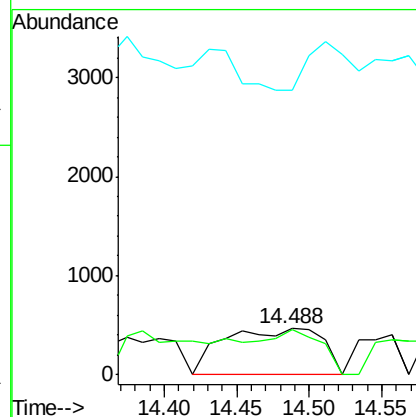
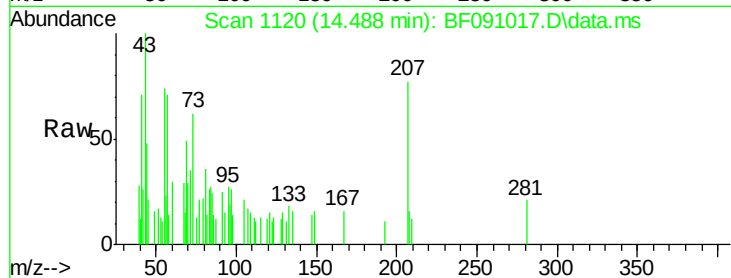
Tot Ion:149 Resp: 2177

Ion Ratio Lower Upper

149 100

167 47.8 1.2 1.8#

43 0.0 8.2 12.4#



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 16.557 min Scan# 1301

Delta R.T. -0.011 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

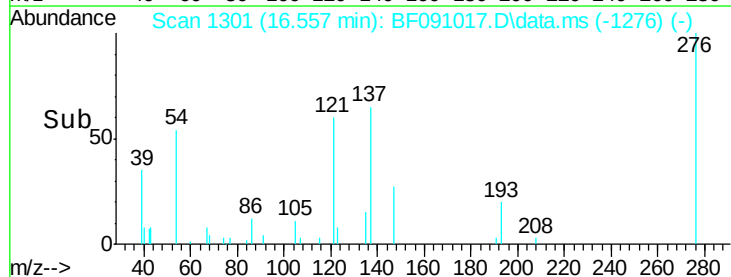
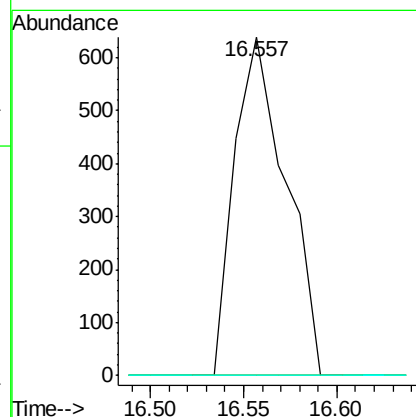
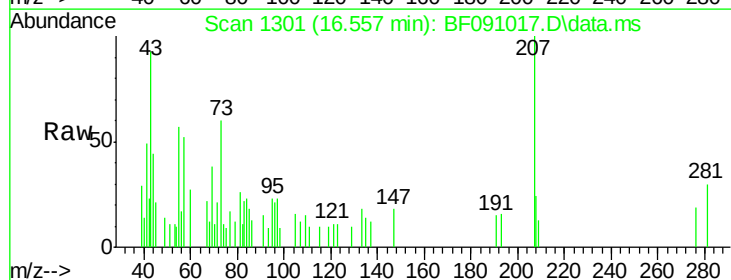
Tgt Ion:276 Resp: 1227

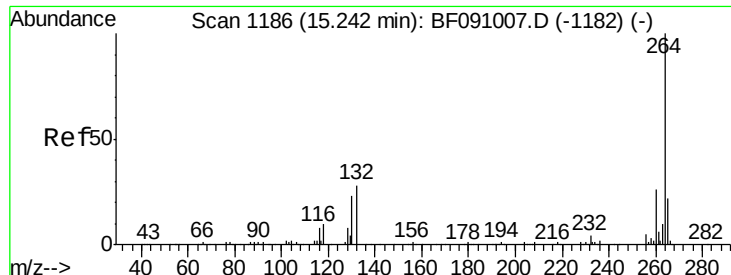
Ion Ratio Lower Upper

276 100

138 0.0 26.0 39.0#

277 0.0 20.1 30.1#

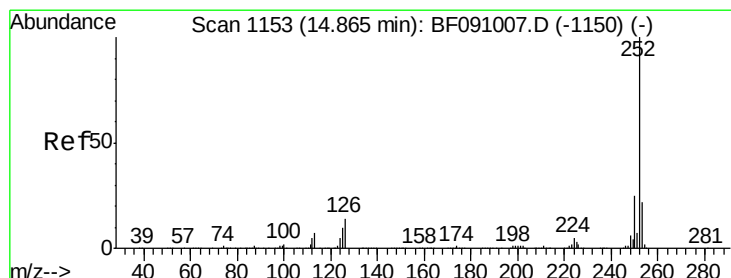
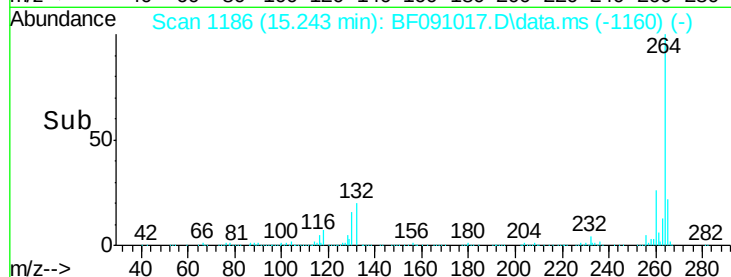
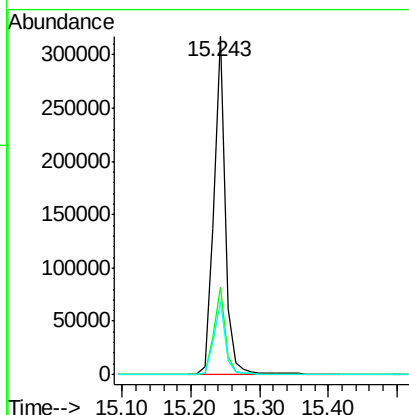
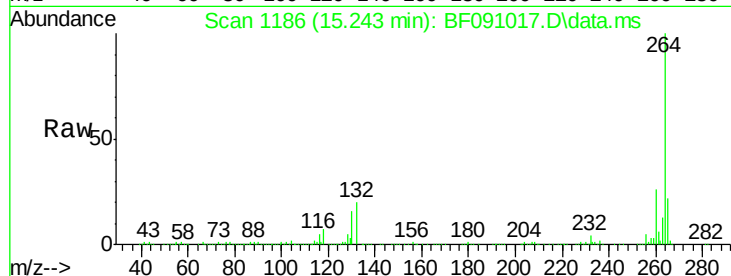




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.243 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

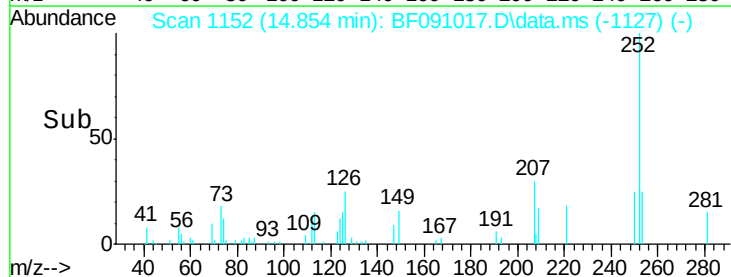
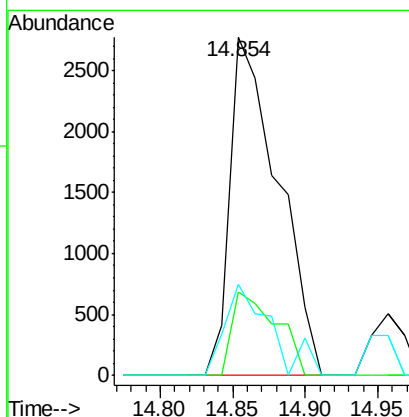
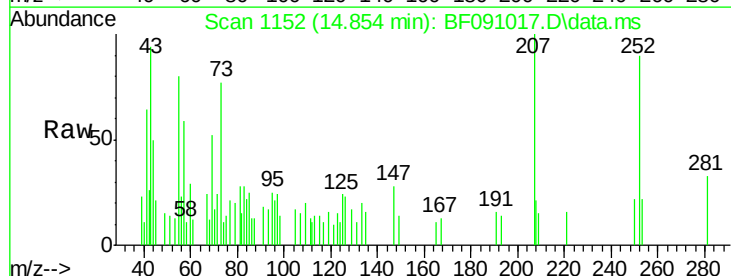
Instrument :
BNA_F
ClientSampleId :

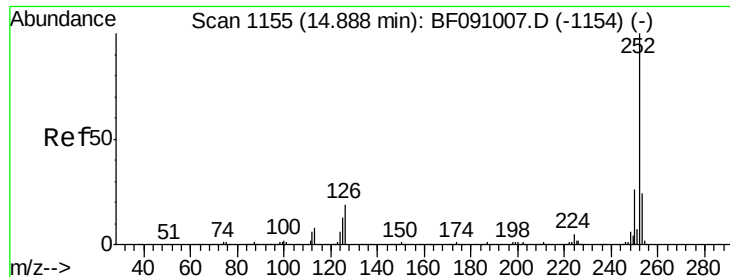
Tot Ion:264 Resp: 378377
Ion Ratio Lower Upper
264 100
260 25.6 20.6 30.8
265 21.6 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 0.25 ng
RT: 14.854 min Scan# 1152
Delta R.T. -0.011 min
Lab File: BF091017.D
Acq: 4 Nov 2016 10:46

Tgt Ion:252 Resp: 6380
Ion Ratio Lower Upper
252 100
253 24.8 18.0 27.0
125 26.8 8.3 12.5#





#88

Benzo(k)fluoranthene

Concen: 0.28 ng

RT: 14.854 min Scan# 111

Delta R.T. -0.034 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA_F

ClientSampleId :

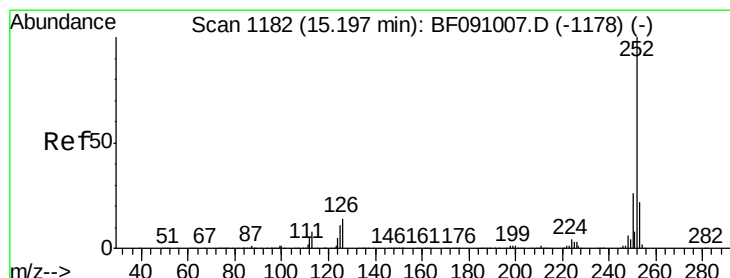
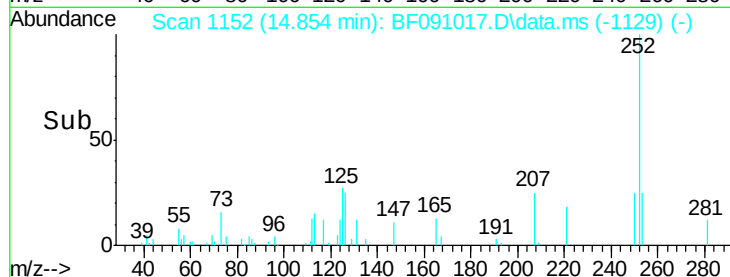
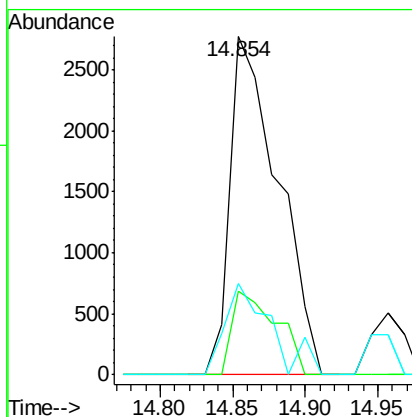
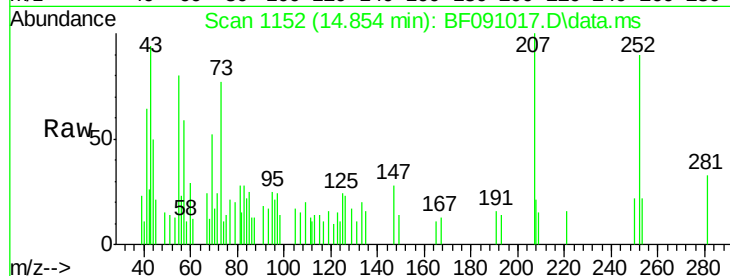
Tot Ion:252 Resp: 6380

Ion Ratio Lower Upper

252 100

253 24.8 18.6 28.0

125 26.8 11.2 16.8#



#89

Benzo(a)pyrene

Concen: 0.12 ng

RT: 15.185 min Scan# 1181

Delta R.T. -0.011 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

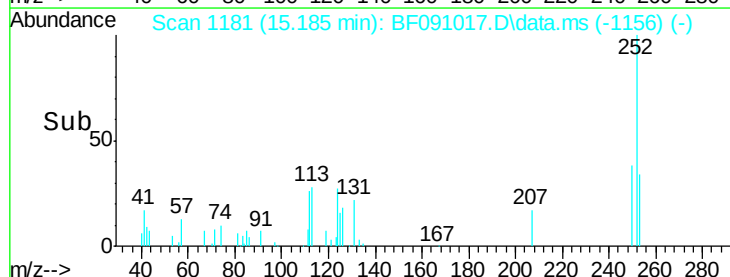
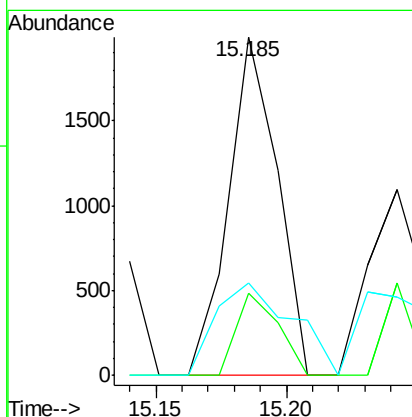
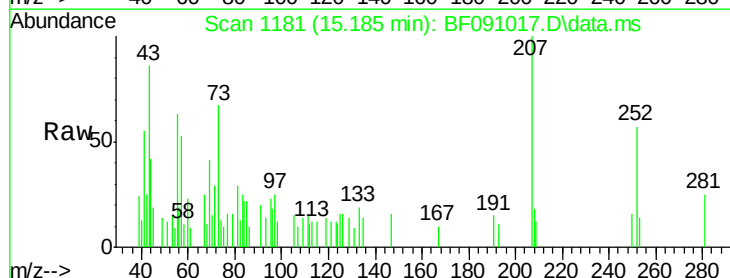
Tgt Ion:252 Resp: 2606

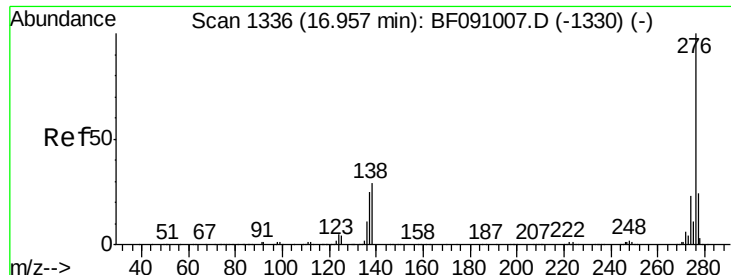
Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

125 27.3 8.6 13.0#





#91
 Benzo(a,h,i)perylene
 Concen: 0.03 ng
 RT: 16.957 min Scan# 1336
 Delta R.T. 0.000 min
 Lab File: BF091017.D
 Acq: 4 Nov 2016 10:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.2	28.8#
138	0.0	23.3	34.9#

