

Data Path : Z:\HPCHEM1\BNA F\Data\BF101916\
 Data File : BF090649.D
 Acq On : 19 Oct 2016 15:59
 Operator : UM/SJ
 Sample : H5291-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Oct 19 16:41:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.886	152	246530	20.00	ng	-0.02
21) Naphthalene-d8	8.177	136	1073599	20.00	ng	-0.02
38) Acenaphthene-d10	9.926	164	597475	20.00	ng	-0.03
63) Phenanthrene-d10	11.412	188	1043306	20.00	ng	-0.03
75) Chrysene-d12	14.064	240	890787	20.00	ng	-0.02
86) Perylene-d12	15.504	264	673158	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	295078	21.94	ng	-0.02
7) Phenol-d6	6.520	99	248541	12.44	ng	-0.02
23) Nitrobenzene-d5	7.446	82	1117593	57.83	ng	-0.03
41) 2,4,6-Tribromophenol	10.715	330	174918	32.84	ng	-0.03
44) 2-Fluorobiphenyl	9.252	172	2146119	59.18	ng	-0.02
78) Terphenyl-d14	13.012	244	2709363	70.82	ng	-0.02

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.240	42	737	7.27	ng	# 1
6) Aniline	6.566	93	237	0.01	ng	# 1
8) 2-Chlorophenol	6.669	128	211	0.01	ng	# 1
9) Benzaldehyde	6.520	77	470	0.04	ng	# 4
10) Phenol	6.532	94	20439	0.89	ng	92
11) bis(2-Chloroethyl)ether	6.646	93	1028	0.05	ng	# 1
15) Benzyl Alcohol	7.034	79	23658	1.74	ng	# 56
16) 2,2'-oxybis(1-Chloropr...	7.034	45	3802	0.14	ng	# 1
17) 2-Methylphenol	7.034	107	467	0.03	ng	# 1
18) Hexachloroethane	7.457	117	261	0.03	ng	# 5
19) n-Nitroso-di-n-propyla...	7.446	70	128041	9.35	ng	# 76
22) Acetophenone	7.297	105	1348	0.06	ng	# 57
24) Nitrobenzene	7.492	77	264	0.01	ng	# 45
27) 2,4-Dimethylphenol	7.834	122	238	0.02	ng	# 61
28) bis(2-Chloroethoxy)met...	7.949	93	763	0.04	ng	# 1
31) Naphthalene	8.189	128	3553	0.06	ng	# 47
32) Benzoic acid	7.880	122	990	0.11	ng	# 1
33) 4-Chloroaniline	8.223	127	243	0.01	ng	# 1
35) Caprolactam	8.577	113	283	0.08	ng	# 1
45) 1,1'-Biphenyl	9.252	154	4354	0.10	ng	# 1
46) 2-Chloronaphthalene	9.515	162	263	0.01	ng	# 36
47) 2-Nitroaniline	9.480	65	739	0.06	ng	# 33
48) Acenaphthylene	9.789	152	302	0.01	ng	# 19
49) Dimethylphthalate	9.640	163	293683	7.58	ng	99
50) 2,6-Dinitrotoluene	9.640	165	3524	0.42	ng	# 1
51) Acenaphthene	9.926	154	2450	0.07	ng	# 4
54) Dibenzofuran	10.086	168	342	0.01	ng	# 58
55) 4-Nitrophenol	10.086	139	433	0.07	ng	# 3
57) Fluorene	10.475	166	220	0.01	ng	# 47
59) Diethylphthalate	10.349	149	10708	0.27	ng	# 94
62) Azobenzene	10.635	77	1762	0.04	ng	# 2
65) n-Nitrosodiphenylamine	10.589	169	1050	0.03	ng	# 68
70) Phenanthrene	11.435	178	1545	0.03	ng	# 52
71) Anthracene	11.435	178	1545	0.03	ng	# 53

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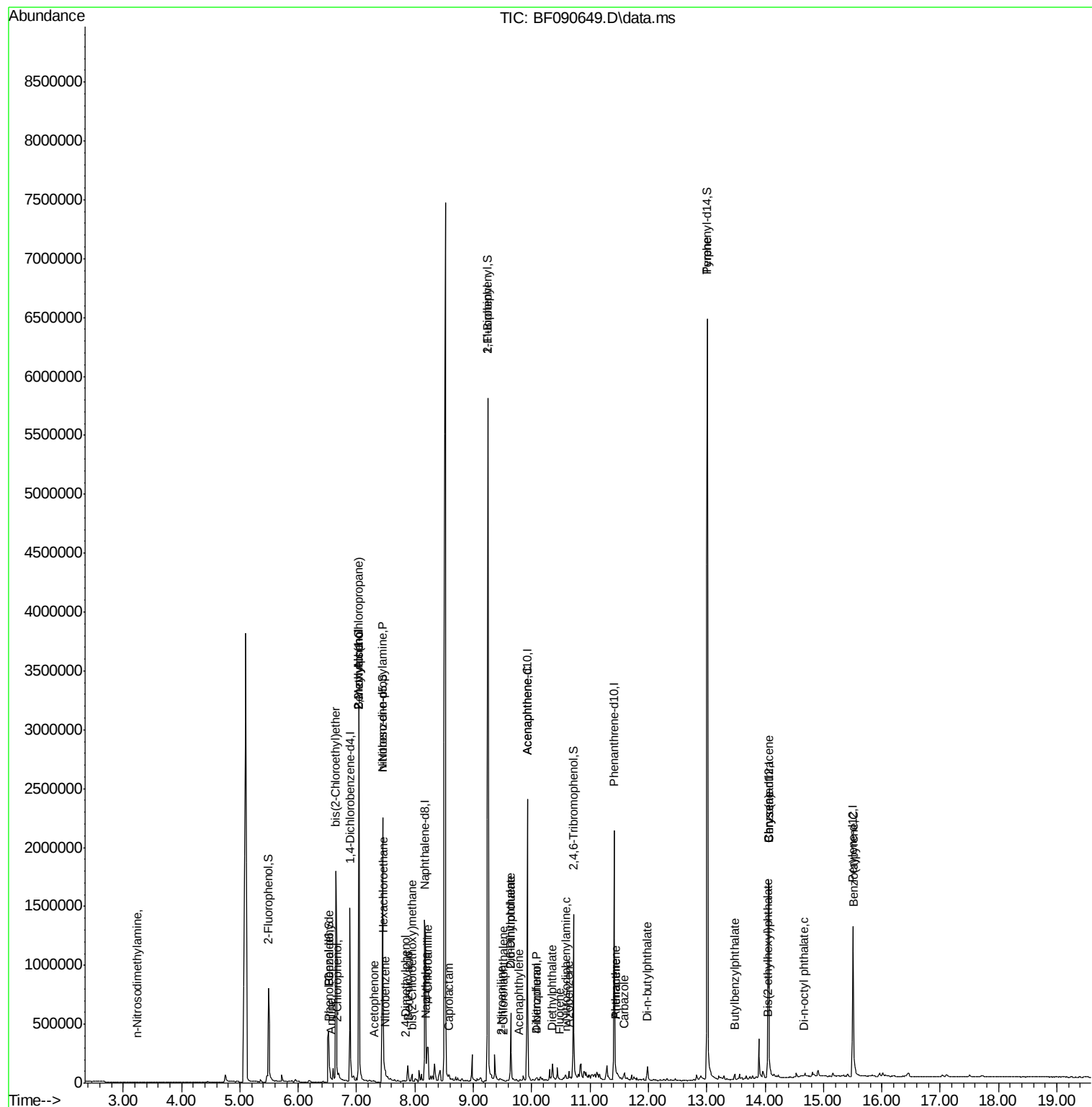
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Carbazole	11.583	167	730	0.01	nq	# 58
73) Di-n-butylphthalate	11.983	149	34330	0.55	nq	99
77) Pyrene	13.012	202	9167	0.16	nq	# 64
79) Butylbenzylphthalate	13.481	149	10642	0.41	nq	97
80) Benzo(a)anthracene	14.064	228	2107	0.04	nq	# 59
82) Chrysene	14.064	228	2107	0.04	nq	# 57
83) Bis(2-ethylhexyl)phtha...	14.041	149	15969	0.45	nq	# 91
84) Di-n-octyl phthalate	14.658	149	3317	0.07	nq	# 53
89) Benzo(a)pyrene	15.515	252	2325	0.06	nq	# 63

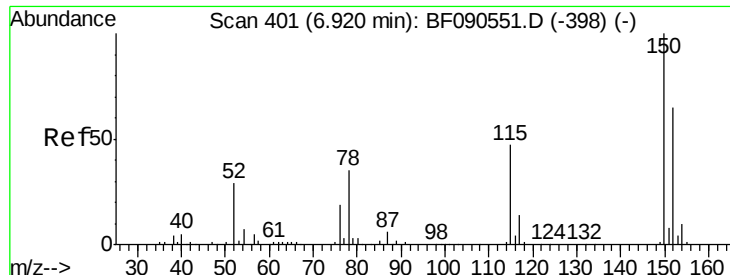
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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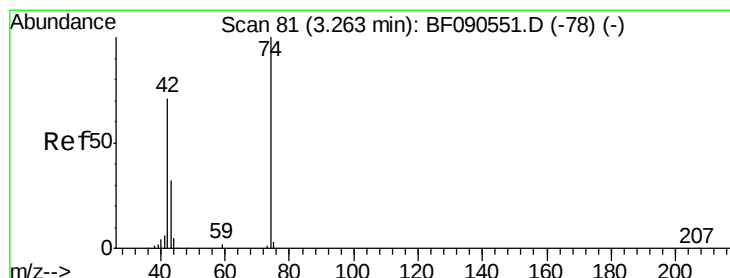
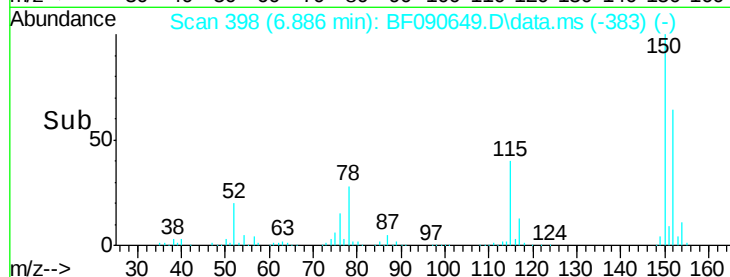
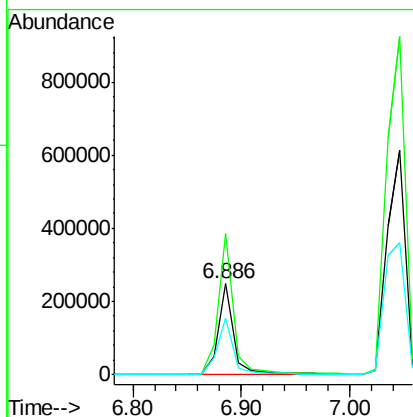
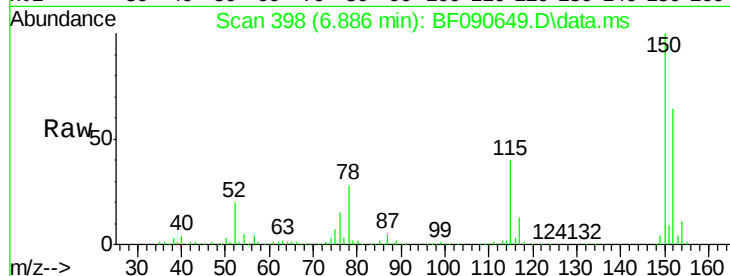




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.886 min Scan# 39
 Delta R.T. -0.023 min
 Lab File: BF090649.D
 Acq: 19 Oct 2016 15:59

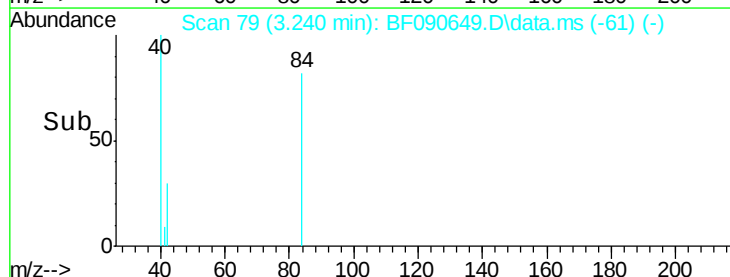
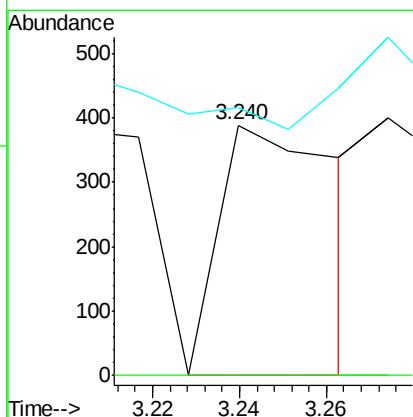
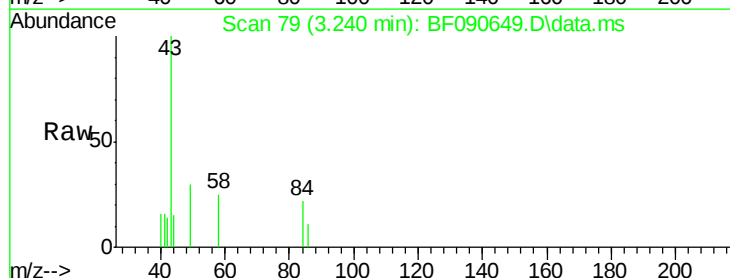
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

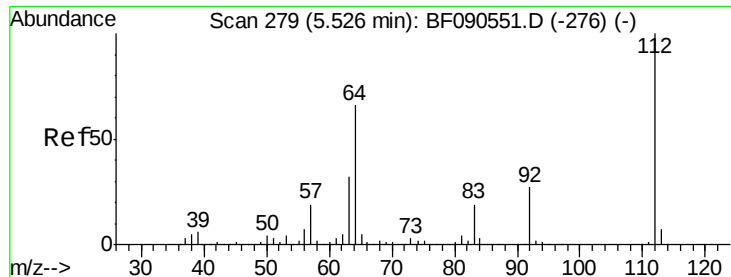
Tot Ion:152 Resp: 246530
 Ion Ratio Lower Upper
 152 100
 150 155.6 127.2 190.8
 115 61.9 58.6 88.0



#4
 n-Nitrosodimethylamine
 Concen: 7.27 ng
 RT: 3.240 min Scan# 79
 Delta R.T. 0.011 min
 Lab File: BF090649.D
 Acq: 19 Oct 2016 15:59

Tgt Ion: 42 Resp: 737
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.3 169.9#
 44 107.2 6.0 9.0#





#5

2-Fluorophenol

Concen: 21.94 ng

RT: 5.491 min Scan# 27

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

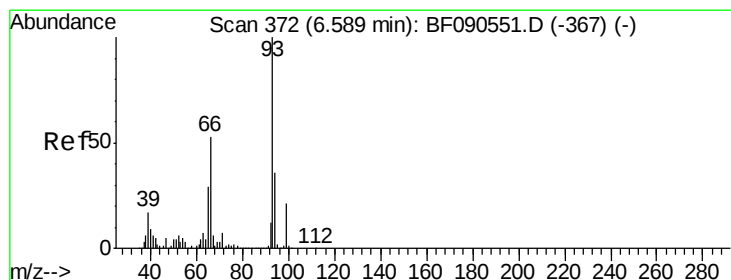
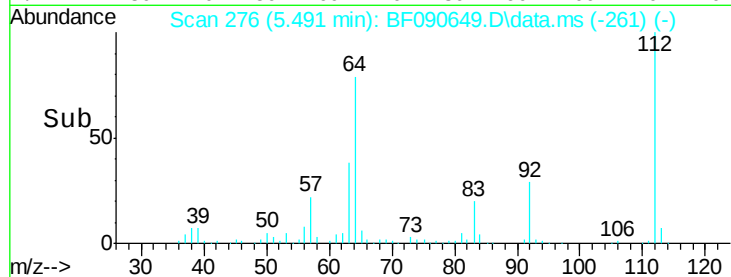
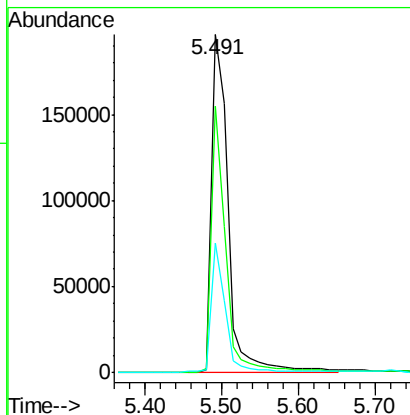
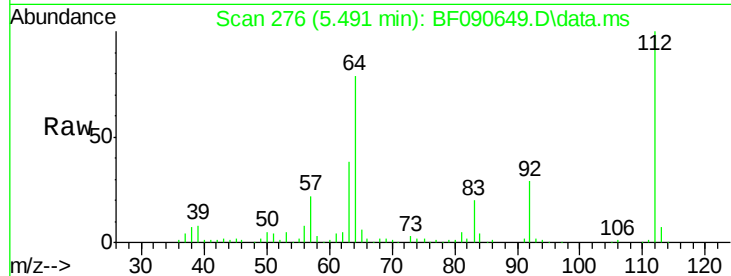
Tot Ion:112 Resp: 295078

Ion Ratio Lower Upper

112 100

64 78.7 52.6 78.8

63 38.4 26.0 39.0



#6

Aniline

Concen: 0.01 ng

RT: 6.566 min Scan# 370

Delta R.T. -0.012 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

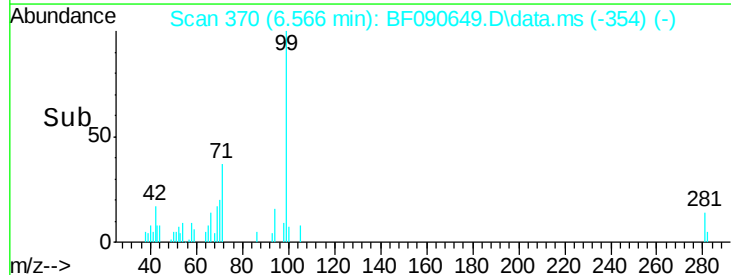
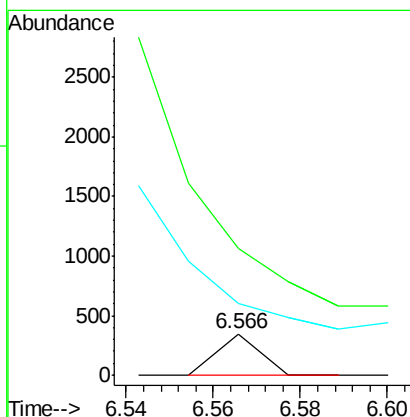
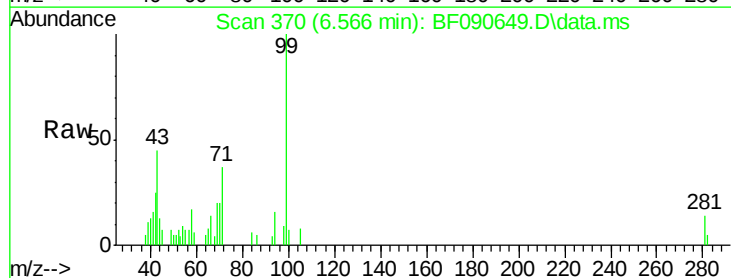
Tgt Ion: 93 Resp: 237

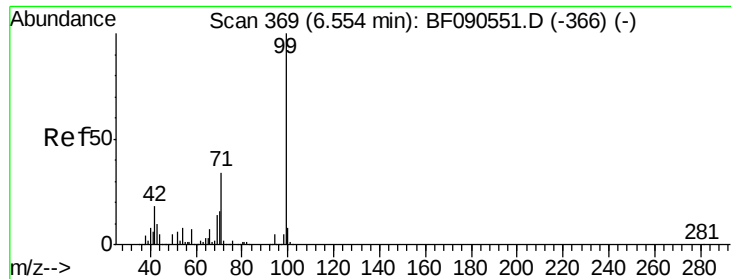
Ion Ratio Lower Upper

93 100

66 309.9 42.2 63.2#

65 174.2 22.9 34.3#





#7

Phenol-d6

Concen: 12.44 ng

RT: 6.520 min Scan# 36

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

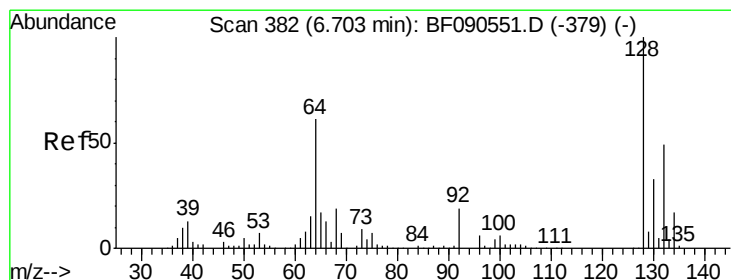
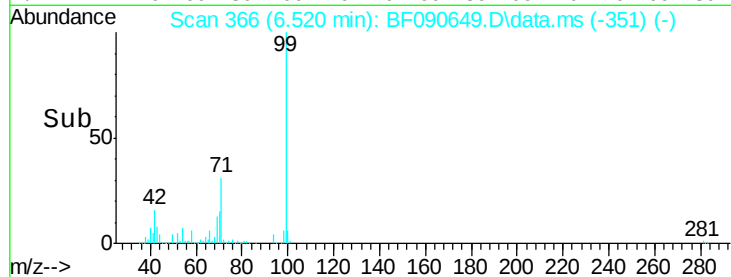
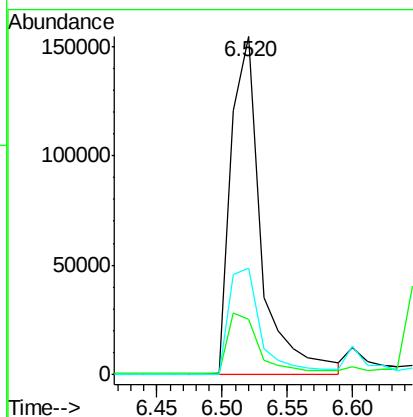
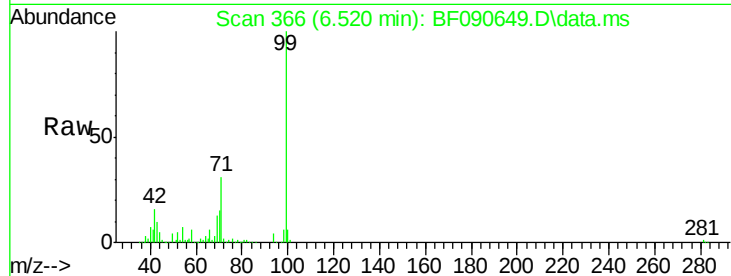
Tot Ion: 99 Resp: 248541

Ion Ratio Lower Upper

99 100

42 16.4 14.7 22.1

71 31.3 27.6 41.4



#8

2-Chlorophenol

Concen: 0.01 ng

RT: 6.669 min Scan# 379

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

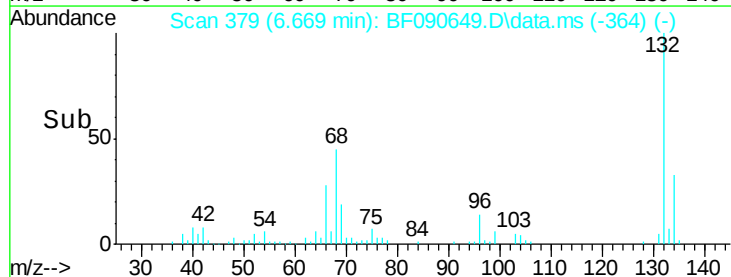
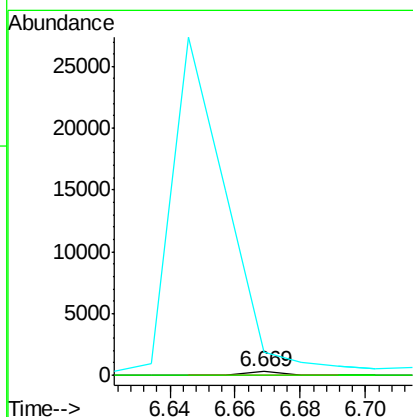
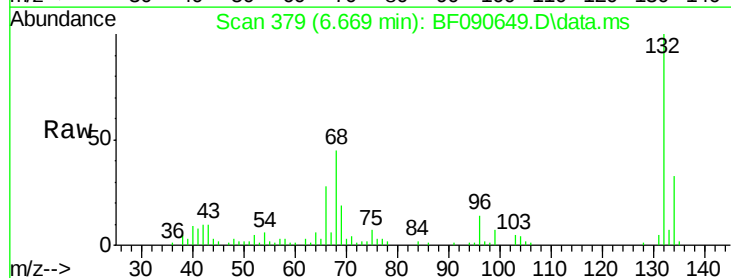
Tgt Ion: 128 Resp: 211

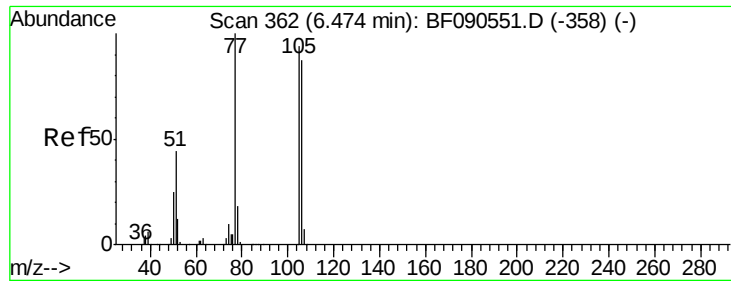
Ion Ratio Lower Upper

128 100

130 0.0 12.6 52.6#

64 617.9 42.6 82.6#





#9

Benzaldehyd

Concen: 0.04 ng

RT: 6.520 min Scan# 36

Delta R.T. 0.068 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

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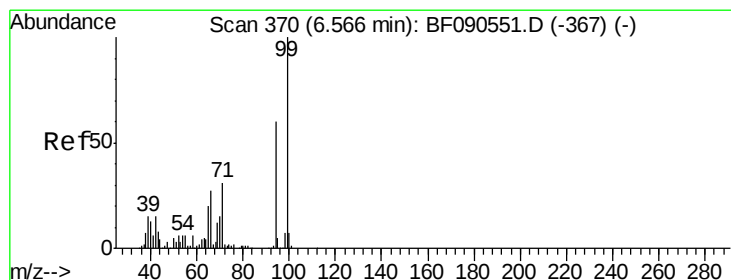
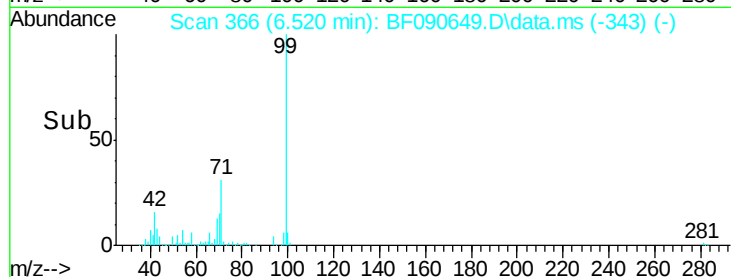
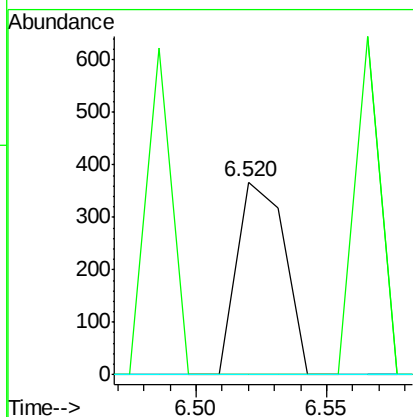
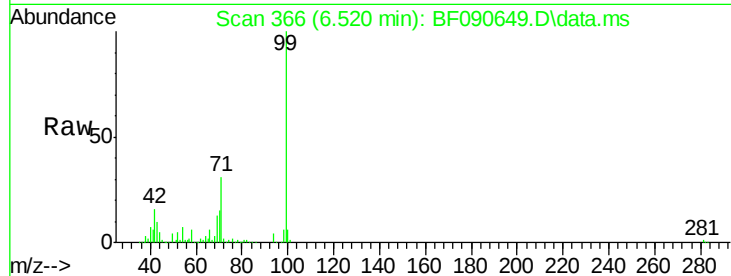
Tot Ion: 77 Resp: 470

Ion Ratio Lower Upper

77 100

105 0.0 74.3 114.3#

106 0.0 67.2 107.2#



#10

Phenol

Concen: 0.89 ng

RT: 6.532 min Scan# 367

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

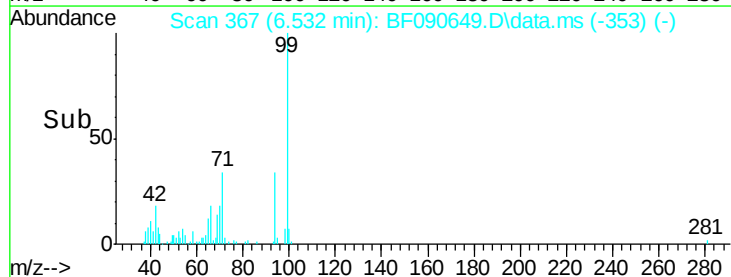
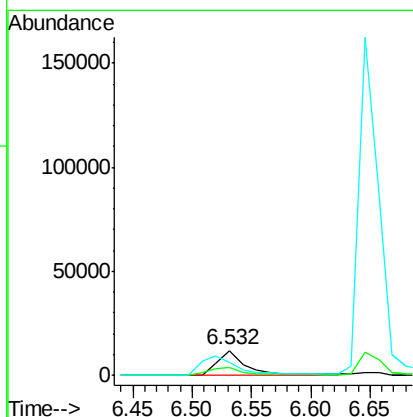
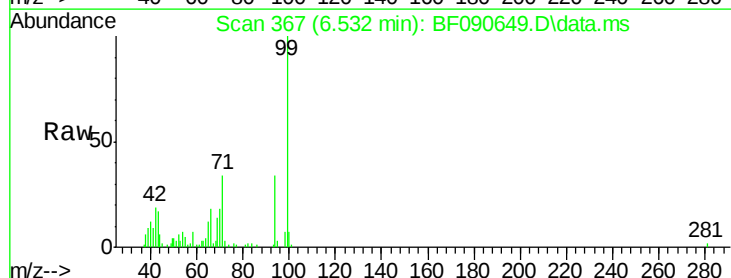
Tgt Ion: 94 Resp: 20439

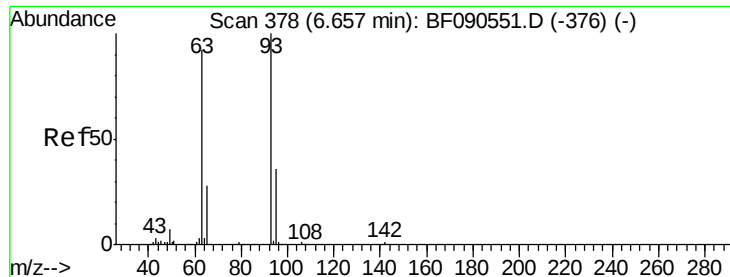
Ion Ratio Lower Upper

94 100

65 33.9 12.5 52.5

66 53.6 25.5 65.5

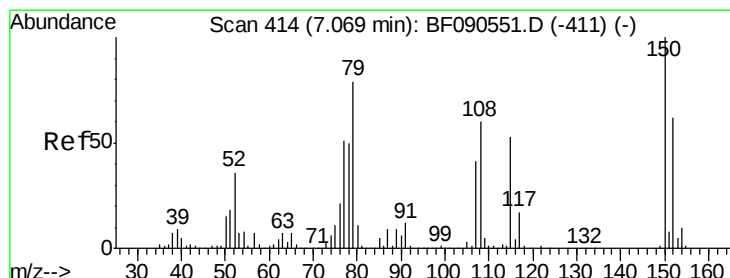
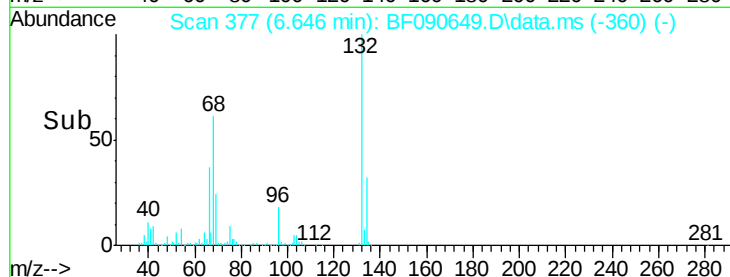
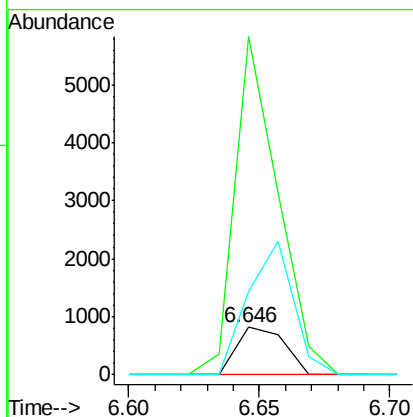
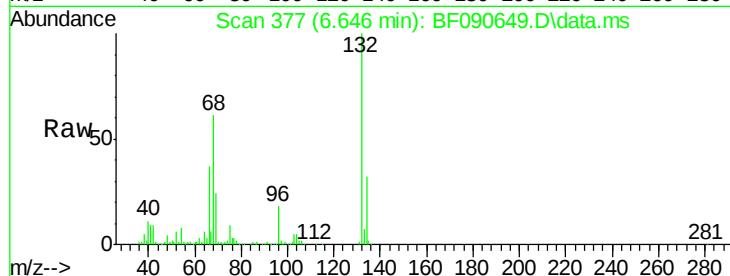




#11
bis(2-Chloroethyl)ether
Concen: 0.05 ng
RT: 6.646 min Scan# 37
Delta R.T. -0.000 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

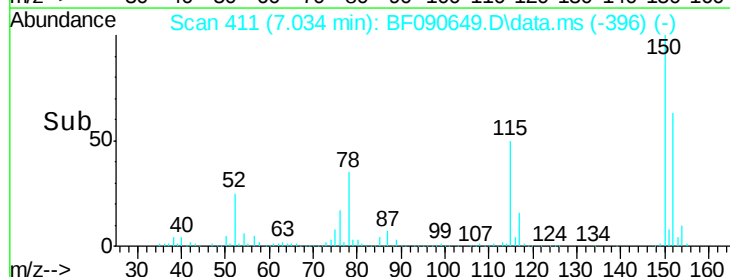
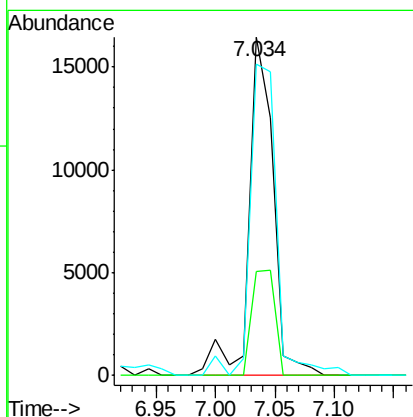
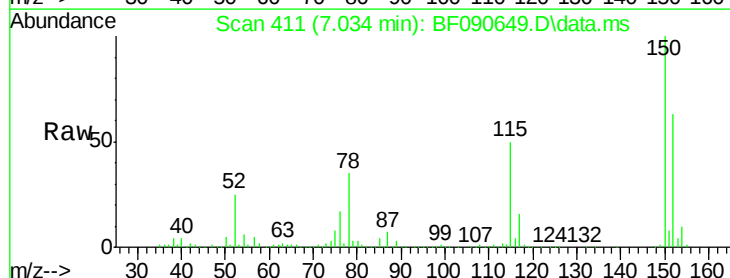
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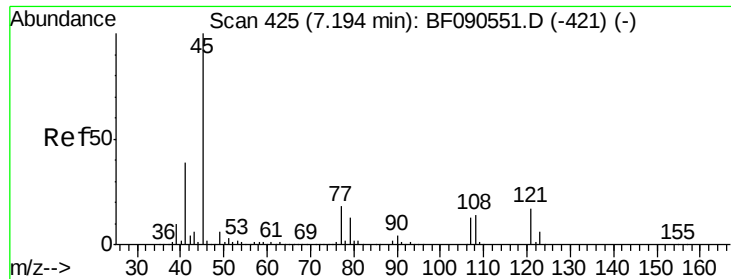
Tot Ion: 93 Resp: 1028
Ion Ratio Lower Upper
93 100
63 715.0 61.6 101.6#
95 175.4 11.8 51.8#



#15
Benzyl Alcohol
Concen: 1.74 ng
RT: 7.034 min Scan# 411
Delta R.T. -0.023 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

Tgt Ion: 79 Resp: 23658
Ion Ratio Lower Upper
79 100
108 30.7 60.2 90.4#
77 92.1 52.0 78.0#

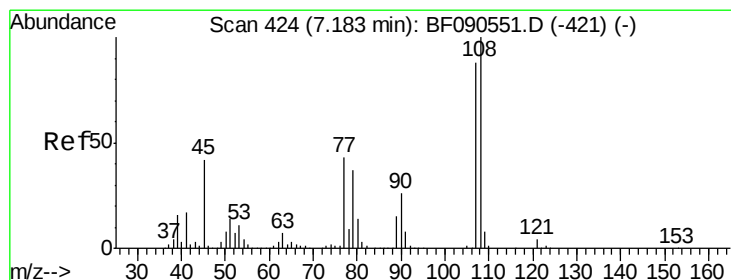
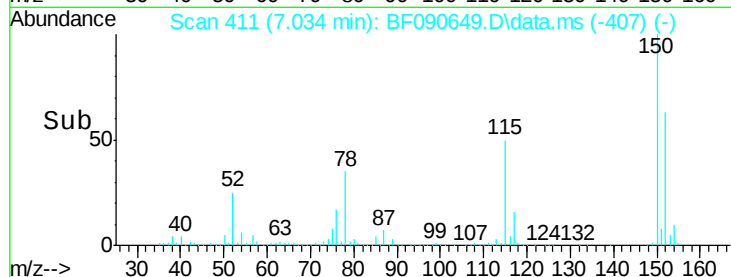
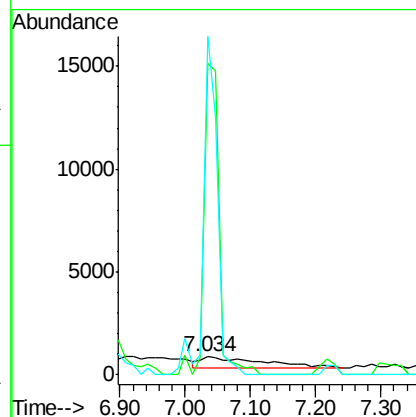
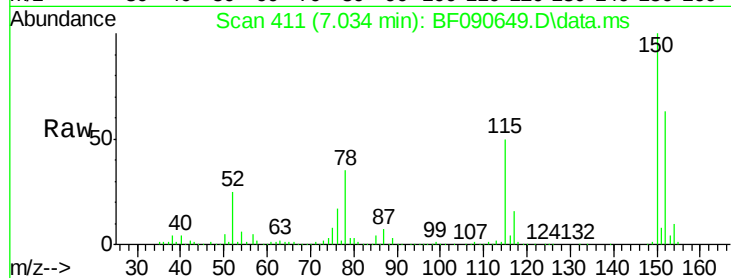




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.14 ng
RT: 7.034 min Scan# 411
Delta R.T. -0.149 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

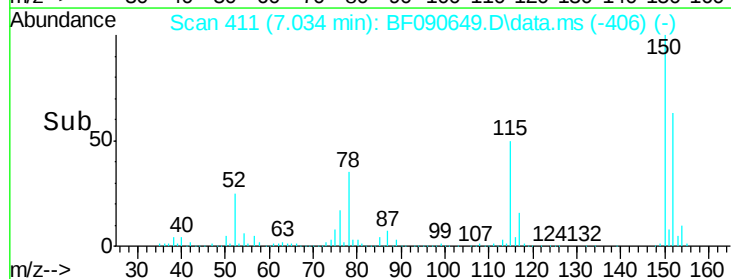
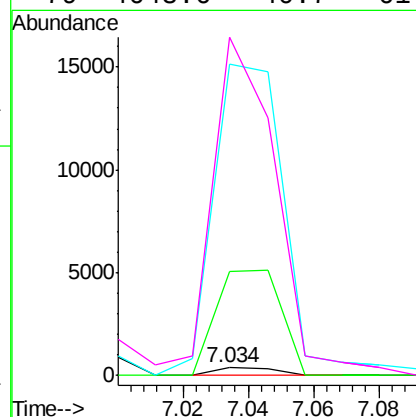
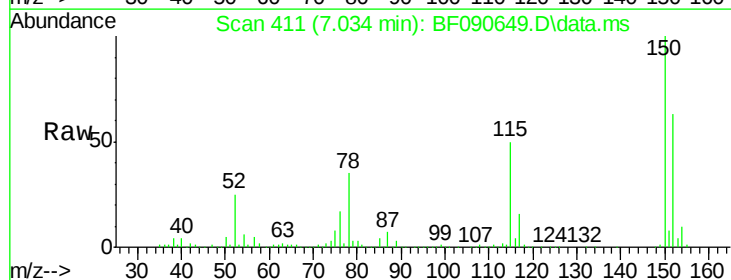
Instrument :
BNA_F
ClientSampleId :
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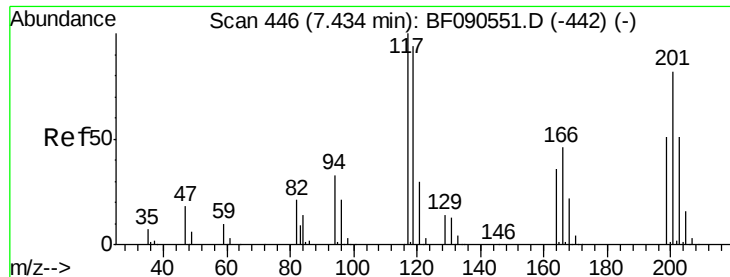
Tot Ion: 45 Resp: 3802
Ion Ratio Lower Upper
45 100
77 1762.2 0.9 40.9#
79 1913.5 0.0 37.3#



#17
2-Methylphenol
Concen: 0.03 ng
RT: 7.034 min Scan# 411
Delta R.T. -0.137 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

Tgt Ion: 107 Resp: 467
Ion Ratio Lower Upper
107 100
108 1426.0 92.6 138.8#
77 4281.1 42.2 63.2#
79 4648.6 40.7 61.1#





#18

Hexachloroethane

Concen: 0.03 ng

RT: 7.457 min Scan# 44

Delta R.T. 0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

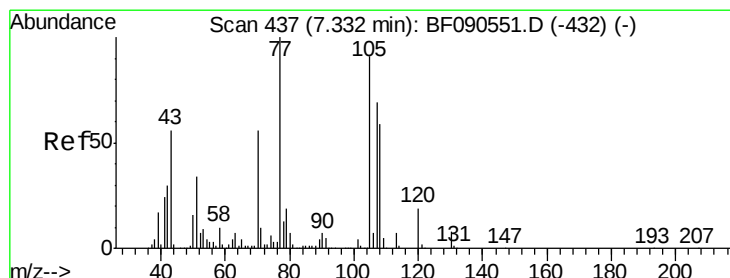
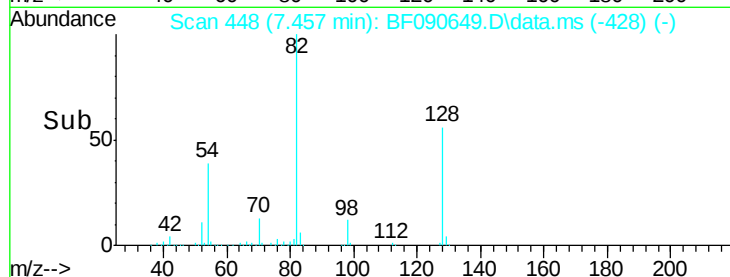
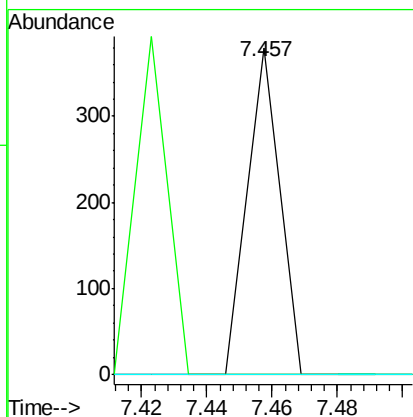
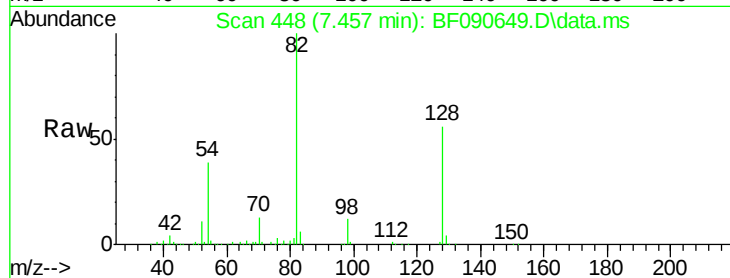
Tot Ion:117 Resp: 261

Ion Ratio Lower Upper

117 100

119 0.0 75.6 113.4#

201 0.0 65.4 98.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.35 ng

RT: 7.446 min Scan# 447

Delta R.T. 0.114 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Tgt Ion: 70 Resp: 128041

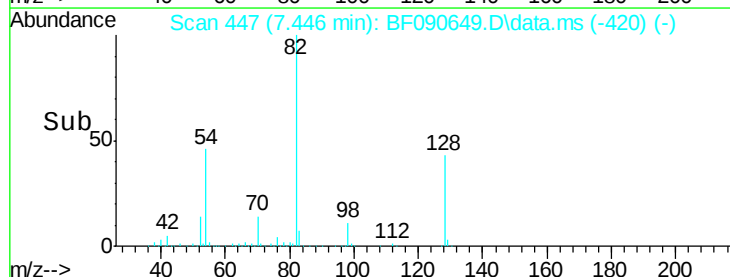
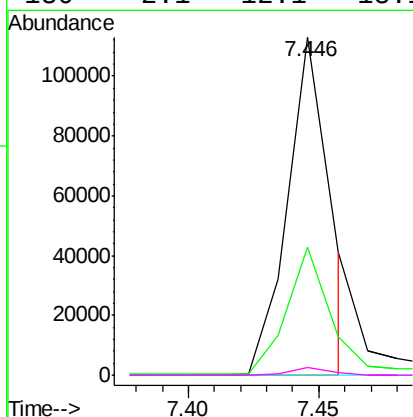
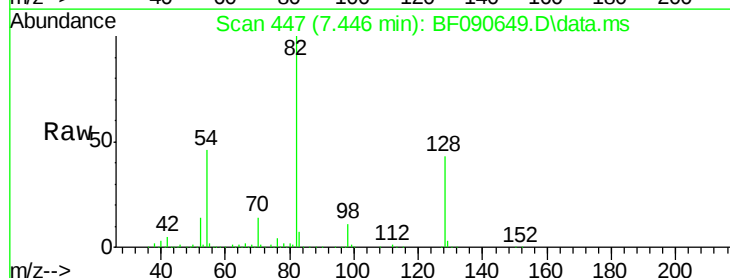
Ion Ratio Lower Upper

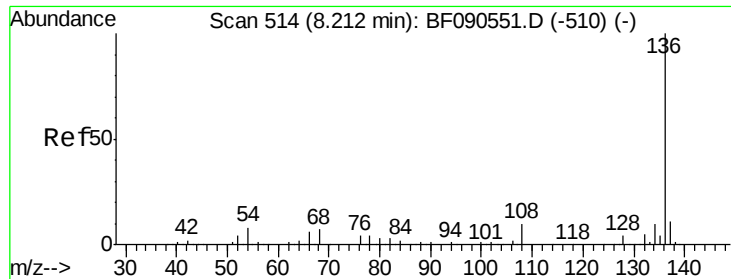
70 100

42 37.8 43.4 65.0#

101 0.0 6.4 9.6#

130 2.1 12.1 18.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.177 min Scan# 51

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tot Ion:136 Resp: 1073599

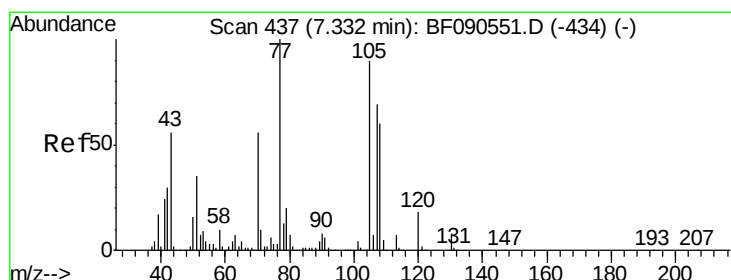
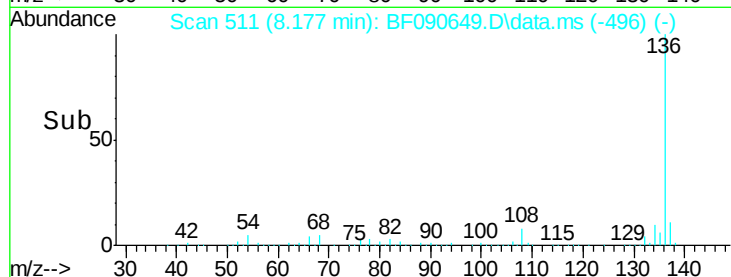
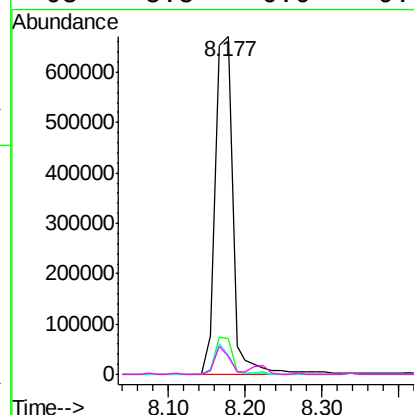
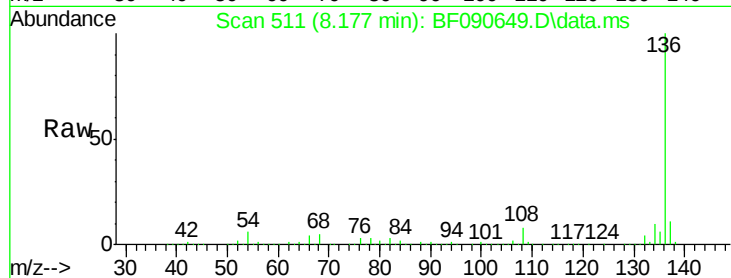
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 5.6 6.8 10.2#

68 5.5 6.0 9.0#



#22

Acetophenone

Concen: 0.06 ng

RT: 7.297 min Scan# 434

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Tgt Ion:105 Resp: 1348

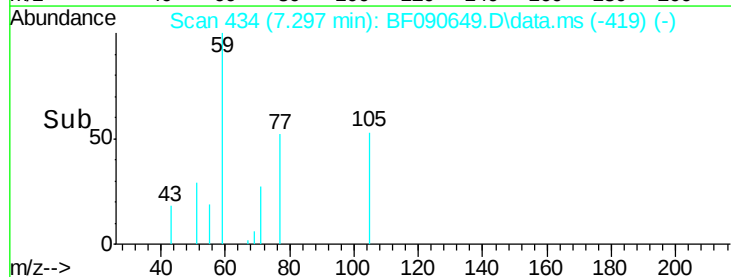
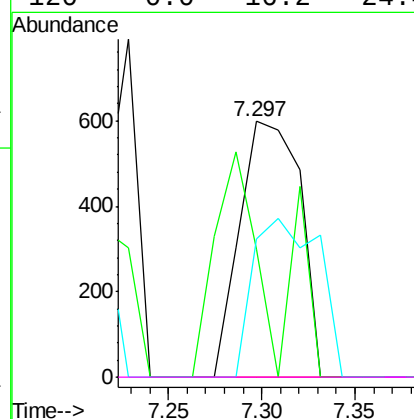
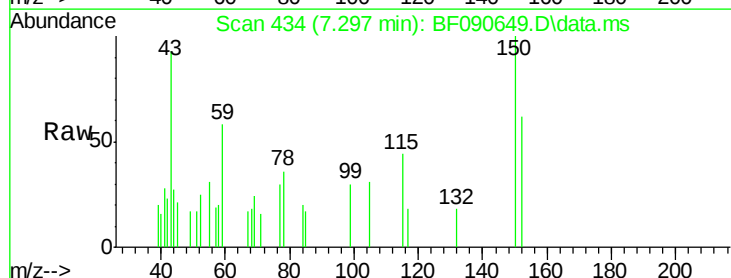
Ion Ratio Lower Upper

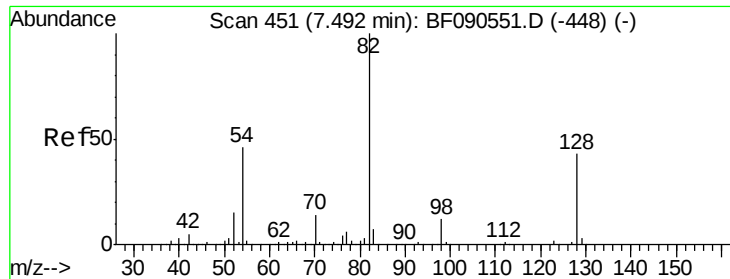
105 100

71 50.2 8.5 12.7#

51 54.3 31.0 46.4#

120 0.0 16.2 24.4#

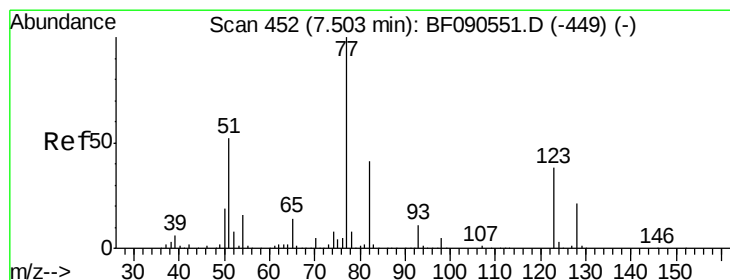
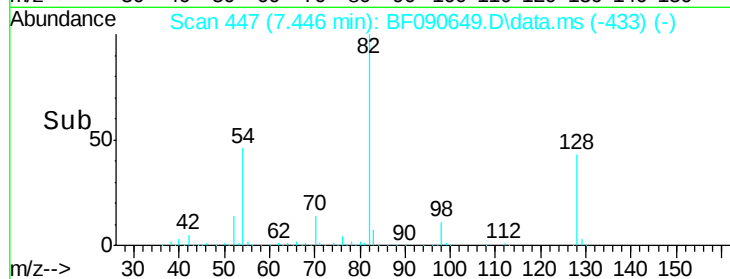
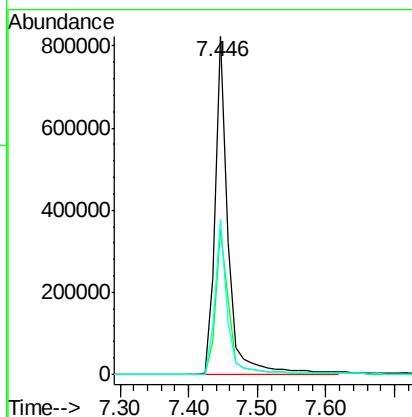
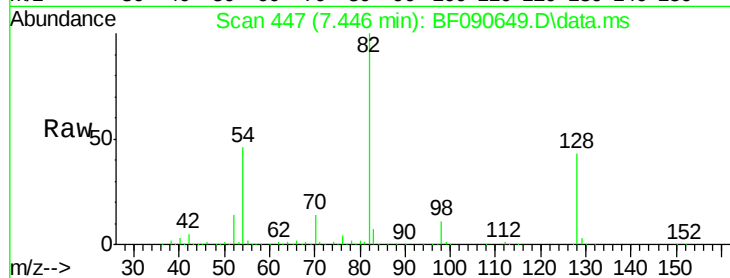




#23
 Nitrobenzene-d5
 Concen: 57.83 ng
 RT: 7.446 min Scan# 44
 Delta R.T. -0.034 min
 Lab File: BF090649.D
 Acq: 19 Oct 2016 15:59

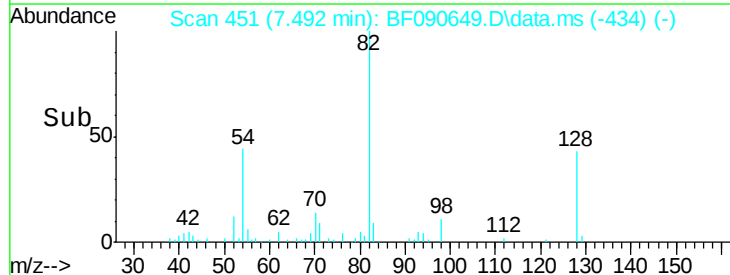
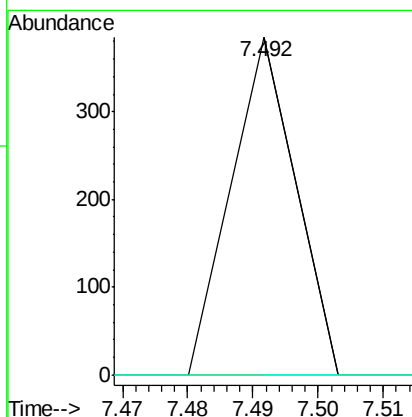
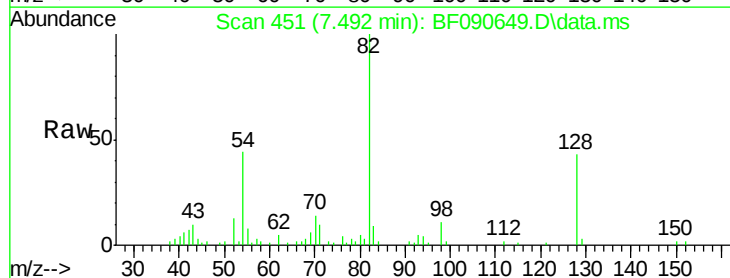
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

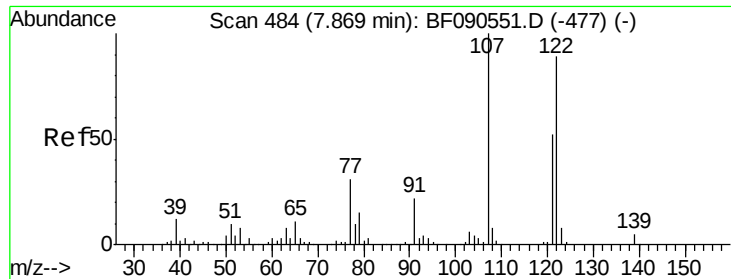
Tot Ion: 82 Resp: 1117593
 Ion Ratio Lower Upper
 82 100
 128 42.7 34.3 51.5
 54 45.8 37.0 55.6



#24
 Nitrobenzene
 Concen: 0.01 ng
 RT: 7.492 min Scan# 451
 Delta R.T. -0.000 min
 Lab File: BF090649.D
 Acq: 19 Oct 2016 15:59

Tgt Ion: 77 Resp: 264
 Ion Ratio Lower Upper
 77 100
 123 0.0 29.8 44.6#
 65 0.0 10.9 16.3#





#27

2,4-Dimethylphenol

Concen: 0.02 ng

RT: 7.834 min Scan# 481

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

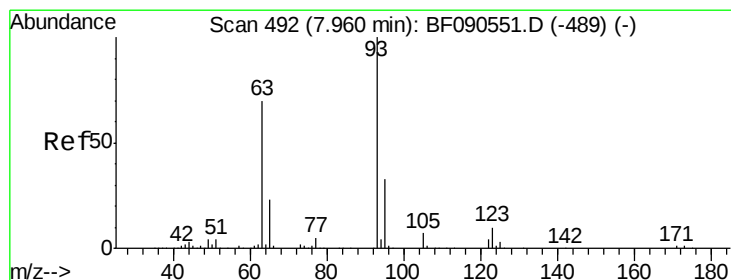
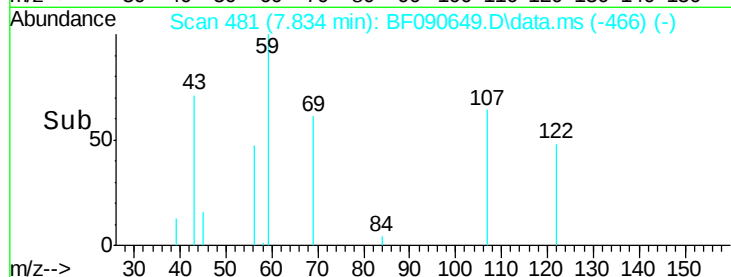
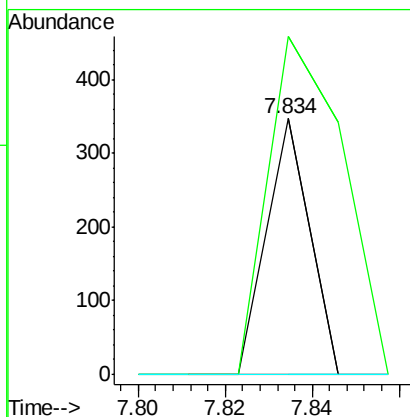
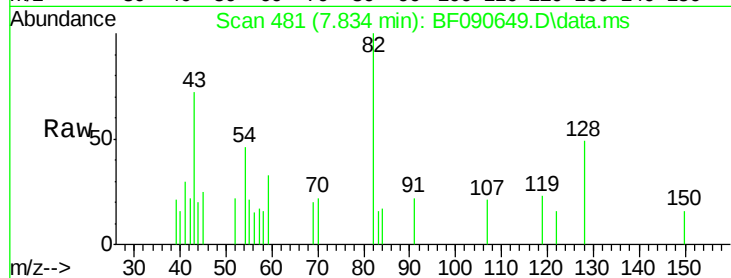
Tot Ion:122 Resp: 238

Ion Ratio Lower Upper

122 100

107 132.3 89.8 134.6

121 0.0 46.1 69.1#



#28

bis(2-Chloroethoxy)methane

Concen: 0.04 ng

RT: 7.949 min Scan# 491

Delta R.T. -0.000 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

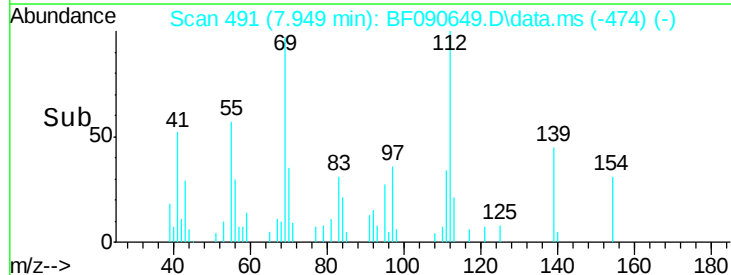
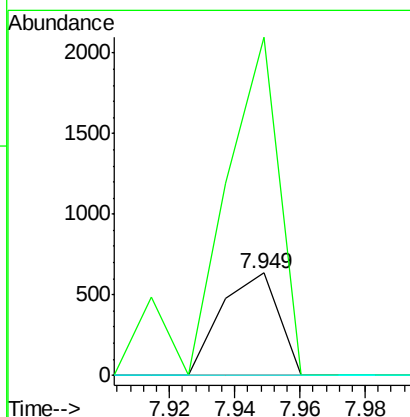
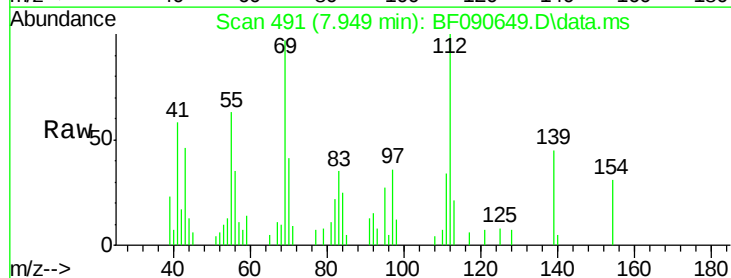
Tgt Ion: 93 Resp: 763

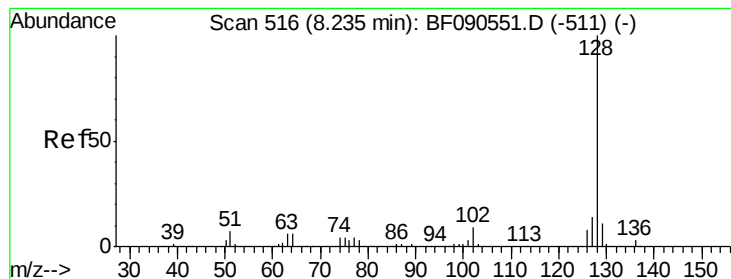
Ion Ratio Lower Upper

93 100

95 331.6 26.2 39.2#

123 0.0 8.6 13.0#





#31

Naphthalene

Concen: 0.06 ng

RT: 8.189 min Scan# 51

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

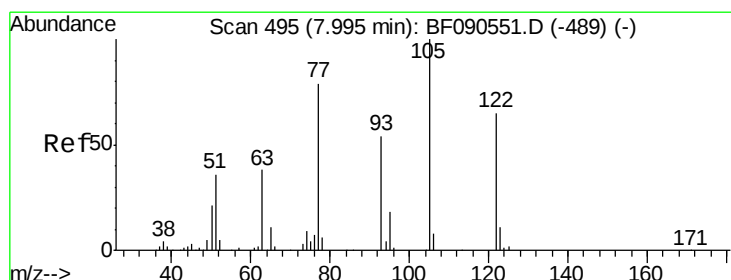
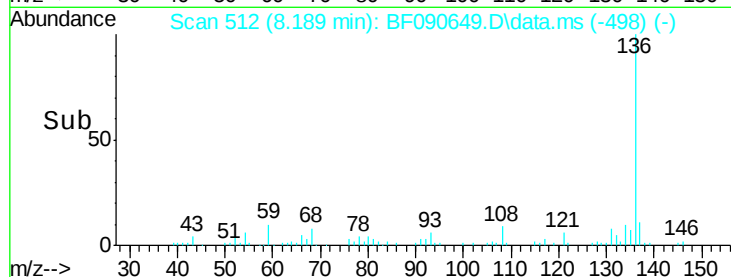
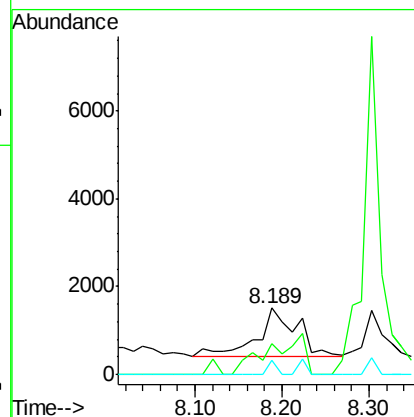
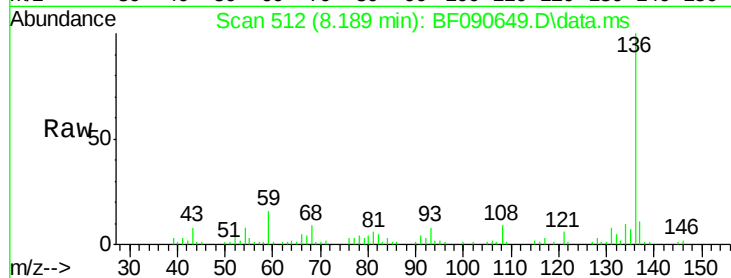
Tot Ion:128 Resp: 3553

Ion Ratio Lower Upper

128 100

129 47.0 9.0 13.6#

127 21.0 10.8 16.2#



#32

Benzoic acid

Concen: 0.11 ng

RT: 7.880 min Scan# 485

Delta R.T. -0.126 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

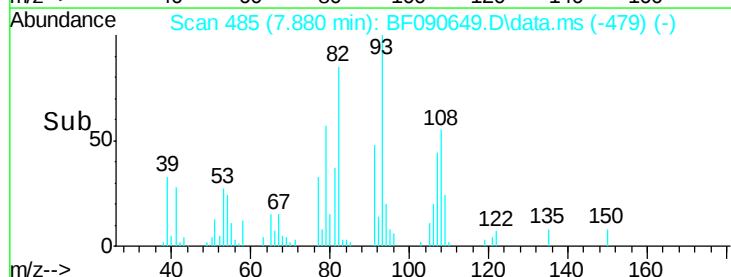
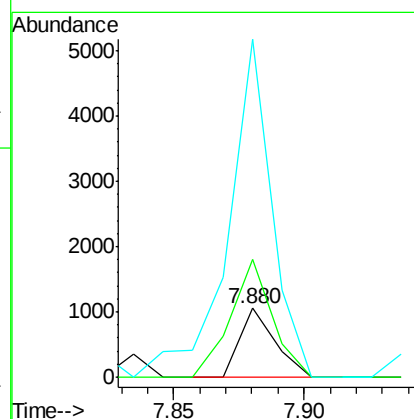
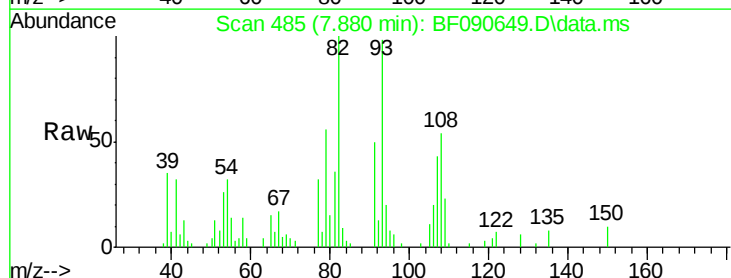
Tgt Ion:122 Resp: 990

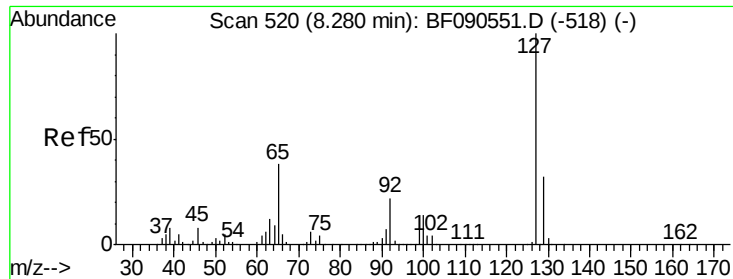
Ion Ratio Lower Upper

122 100

105 170.1 101.1 141.1#

77 489.5 84.7 124.7#

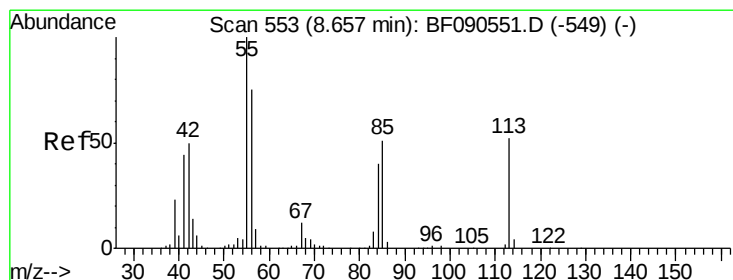
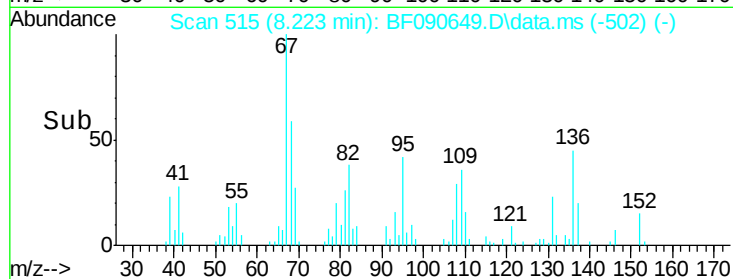
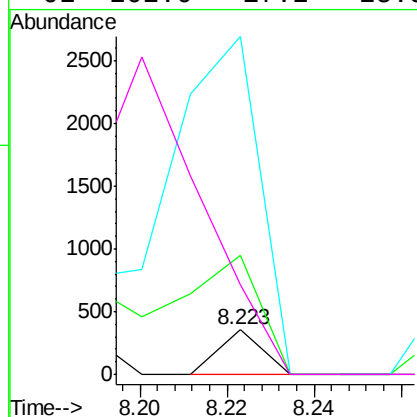
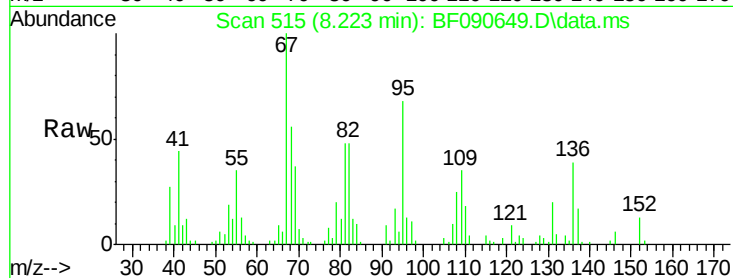




#33
4-Chloroaniline
Concen: 0.01 ng
RT: 8.223 min Scan# 51
Delta R.T. -0.046 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

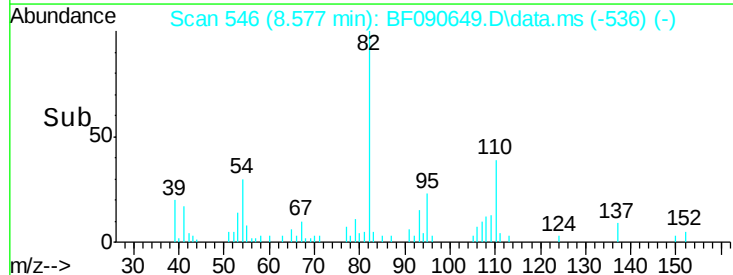
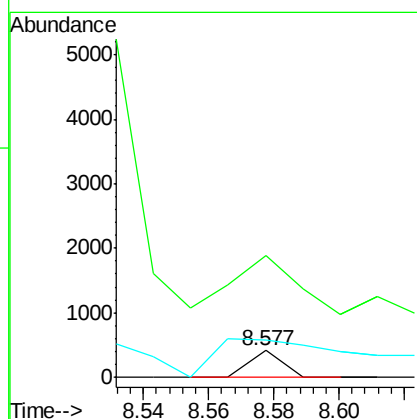
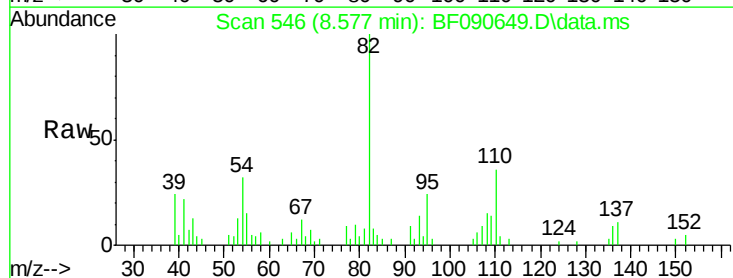
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

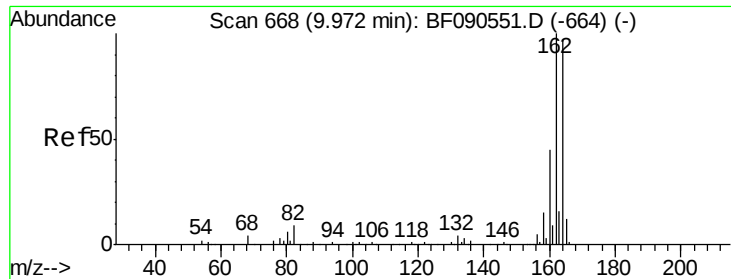
Tot Ion:	127	Resp:	243
Ion	Ratio	Lower	Upper
127	100		
129	267.2	26.2	39.2#
65	761.0	30.1	45.1#
92	202.0	17.2	25.8#



#35
Caprolactam
Concen: 0.08 ng
RT: 8.577 min Scan# 546
Delta R.T. -0.080 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

Tgt Ion:	113	Resp:	283
Ion	Ratio	Lower	Upper
113	100		
55	455.9	170.8	210.8#
56	142.1	122.4	162.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.926 min Scan# 66

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampled :

GROUNDWATER

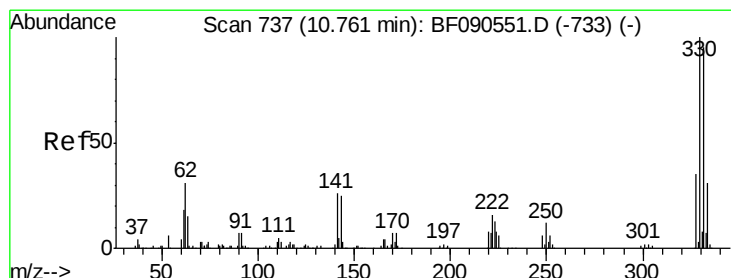
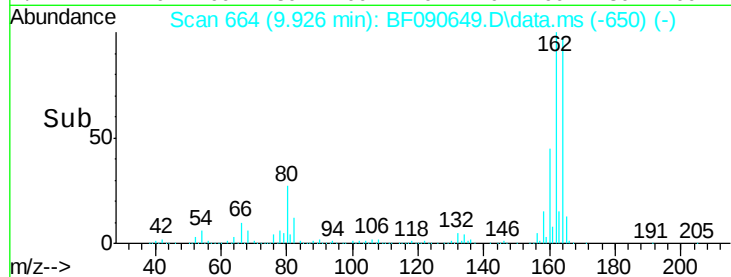
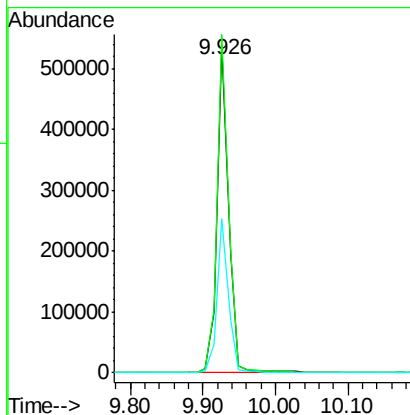
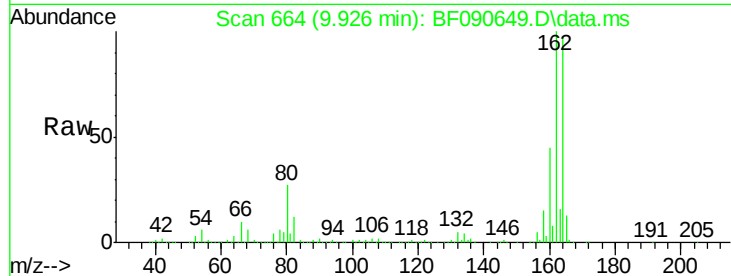
Tot Ion:164 Resp: 597475

Ion Ratio Lower Upper

164 100

162 103.4 82.2 123.4

160 46.9 36.6 55.0



#41

2,4,6-Tribromophenol

Concen: 32.84 ng

RT: 10.715 min Scan# 733

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

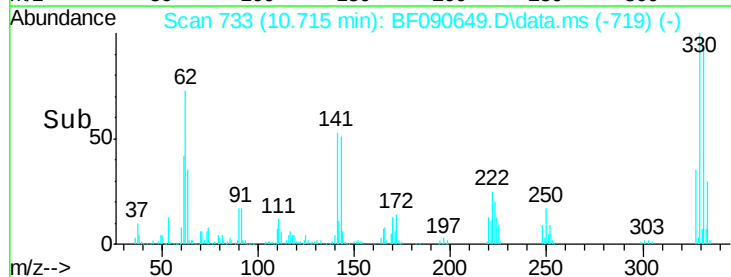
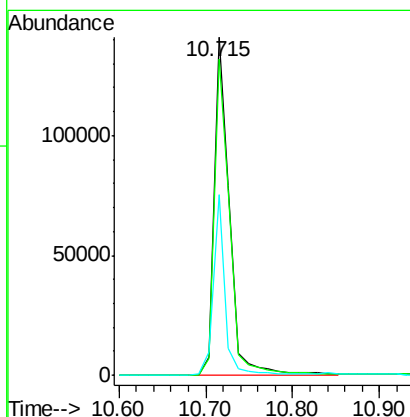
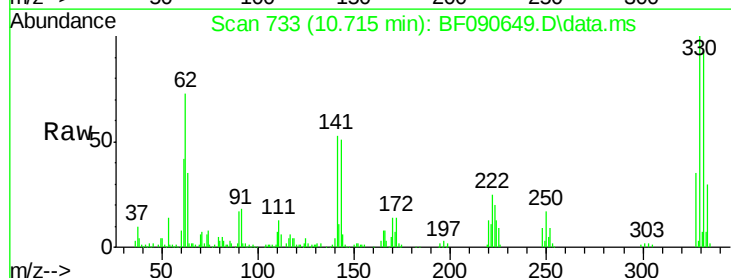
Tgt Ion:330 Resp: 174918

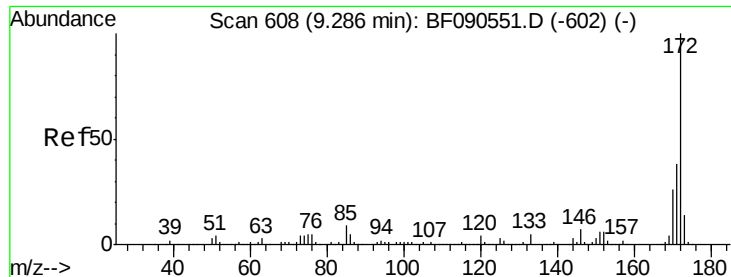
Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.2

141 42.0 31.4 47.2

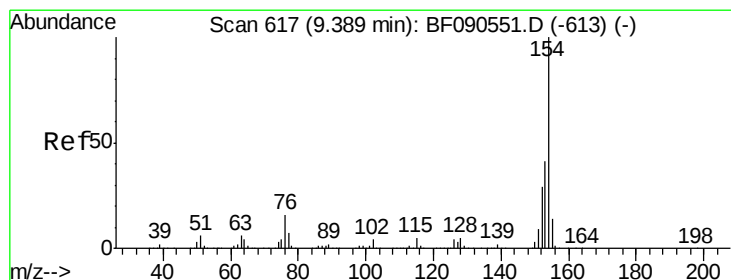
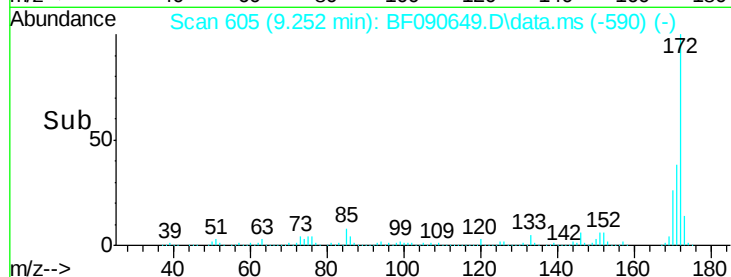
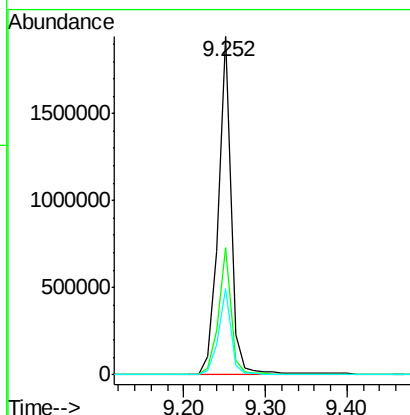
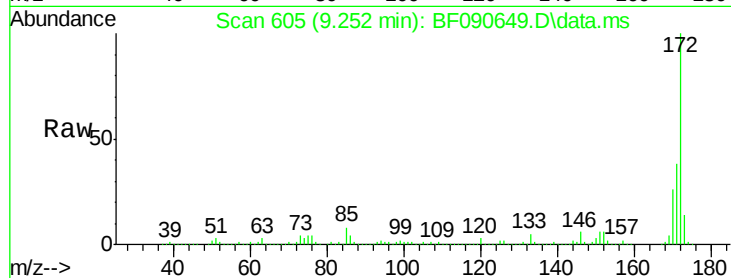




#44
2-Fluorobiphenyl
Concen: 59.18 ng
RT: 9.252 min Scan# 605
Delta R.T. -0.023 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

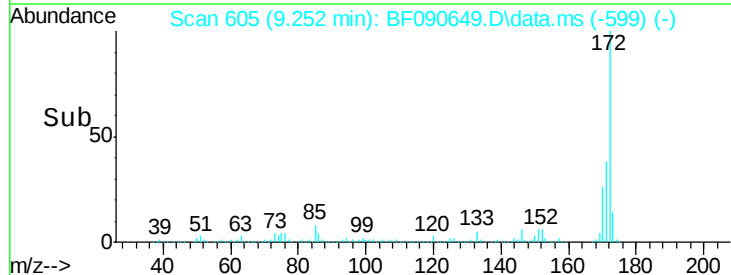
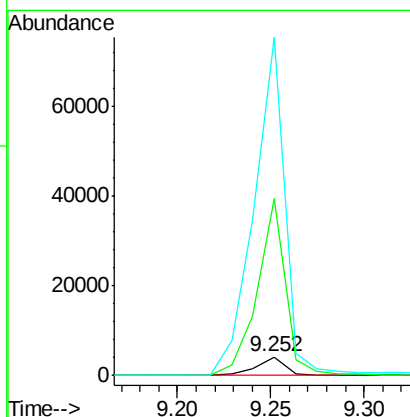
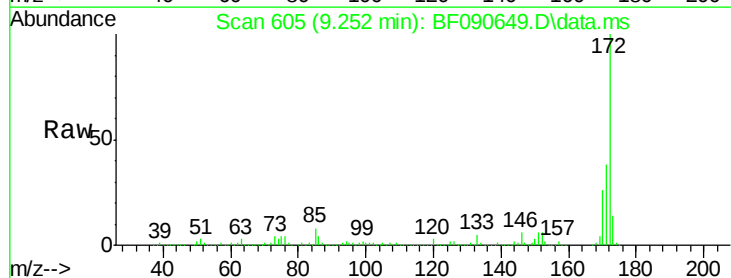
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

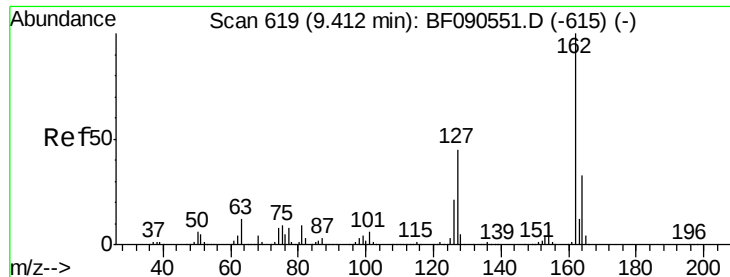
Tot Ion:172 Resp: 2146119
Ion Ratio Lower Upper
172 100
171 37.6 30.1 45.1
170 25.5 20.6 30.8



#45
1,1'-Biphenyl
Concen: 0.10 ng
RT: 9.252 min Scan# 605
Delta R.T. -0.126 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

Tgt Ion:154 Resp: 4354
Ion Ratio Lower Upper
154 100
153 954.0 21.5 61.5#
76 1824.7 0.0 36.0#

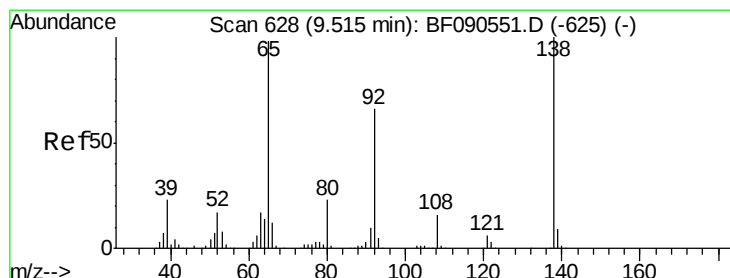
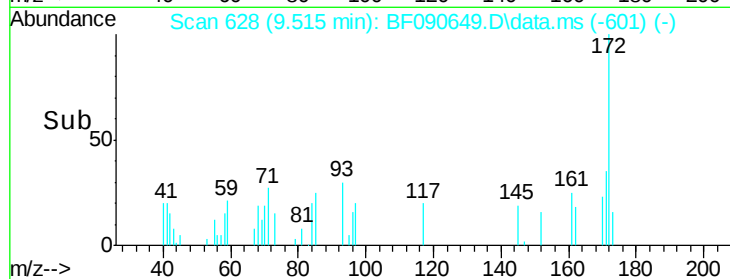
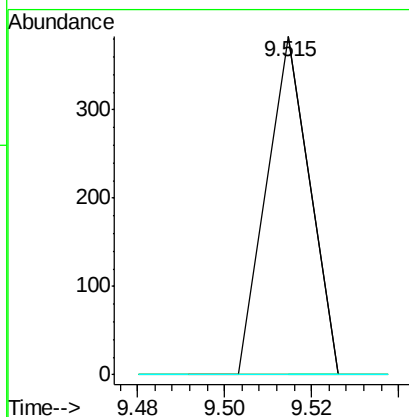
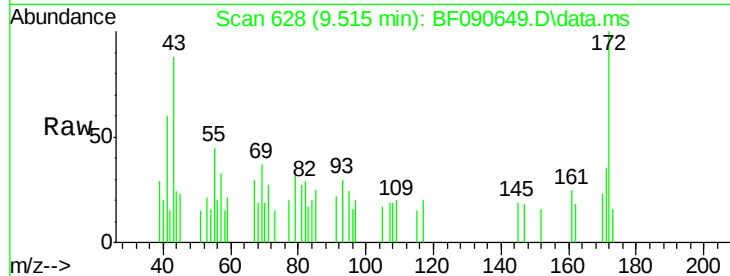




#46
2-Chloronaphthalene
Concen: 0.01 ng
RT: 9.515 min Scan# 62
Delta R.T. 0.114 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

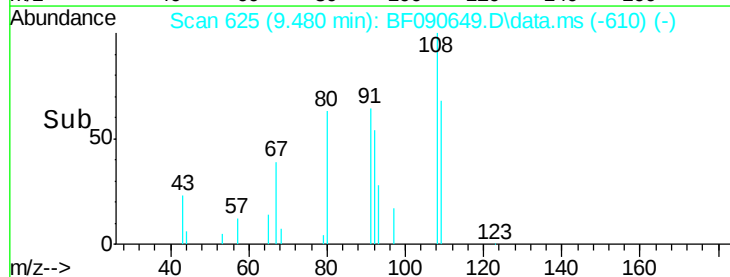
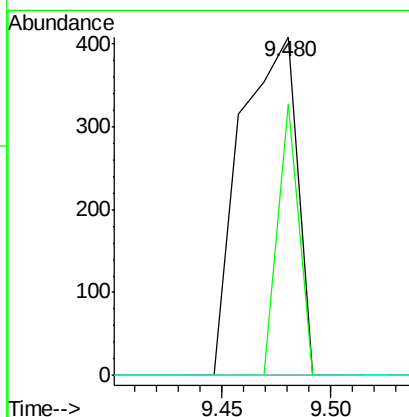
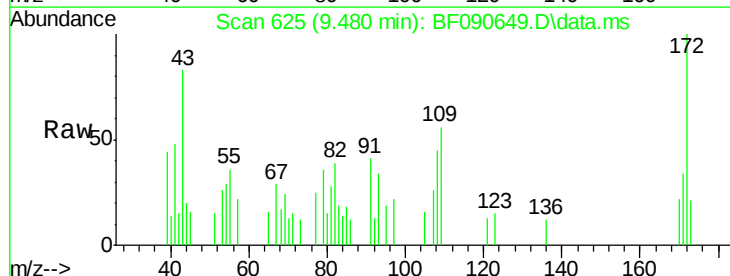
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

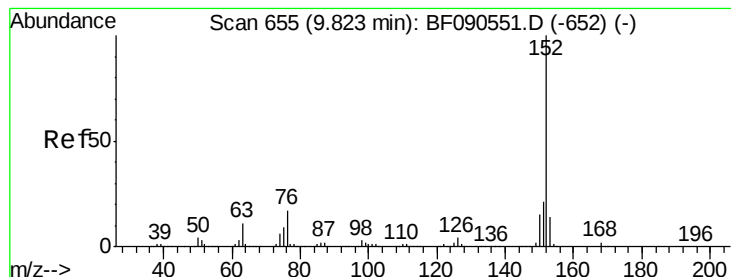
Tot Ion	Ratio	Lower	Upper
162	100		
127	0.0	35.9	53.9#
164	0.0	26.7	40.1#



#47
2-Nitroaniline
Concen: 0.06 ng
RT: 9.480 min Scan# 625
Delta R.T. -0.023 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	80.4	54.3	81.5
138	0.0	81.7	122.5#





#48

Acenaphthylene

Concen: 0.01 ng

RT: 9.789 min Scan# 65

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

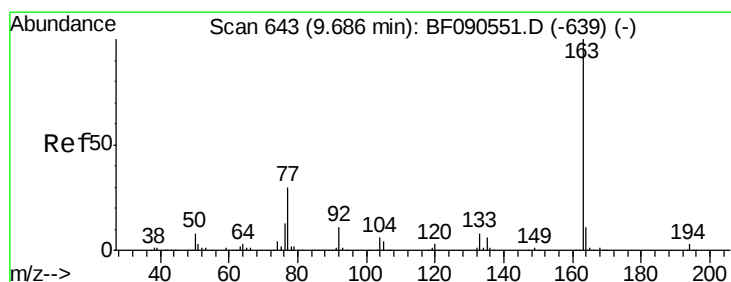
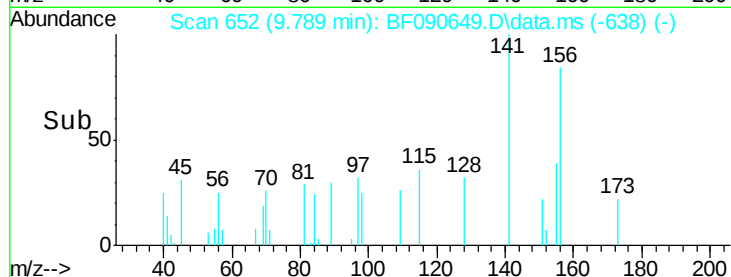
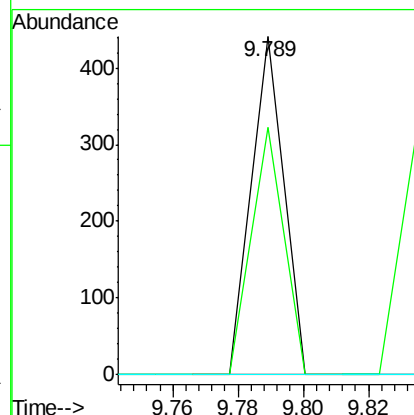
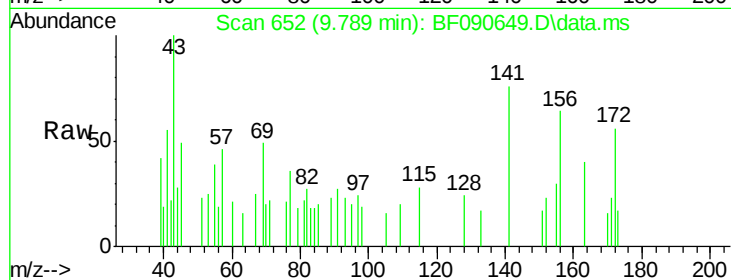
Tot Ion:152 Resp: 302

Ion Ratio Lower Upper

152 100

151 73.0 16.6 25.0#

153 0.0 11.3 16.9#



#49

Dimethylphthalate

Concen: 7.58 ng

RT: 9.640 min Scan# 639

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

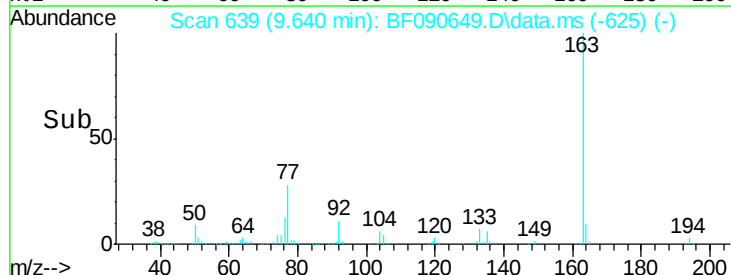
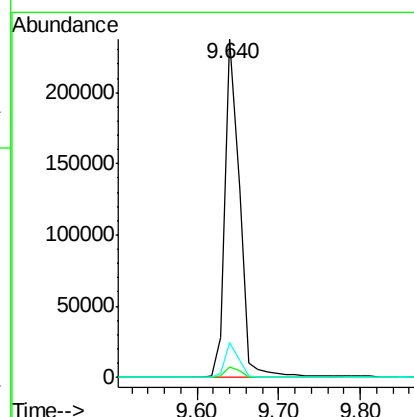
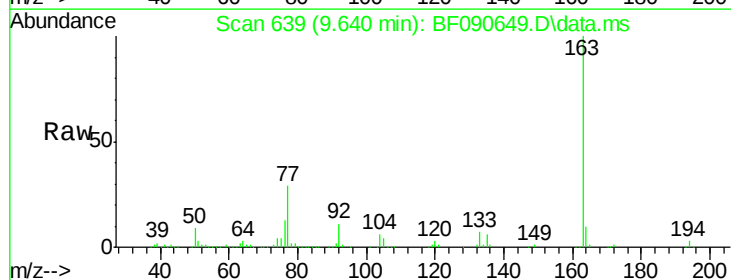
Tgt Ion:163 Resp: 293683

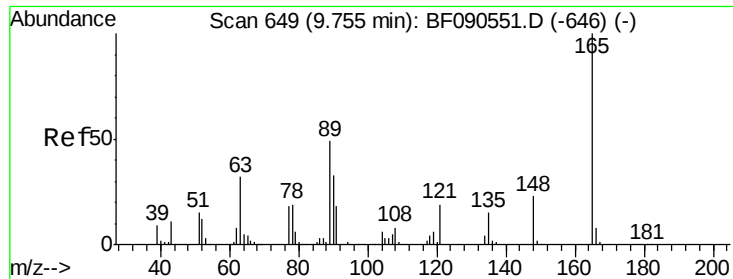
Ion Ratio Lower Upper

163 100

194 2.9 2.3 3.5

164 10.3 8.6 13.0

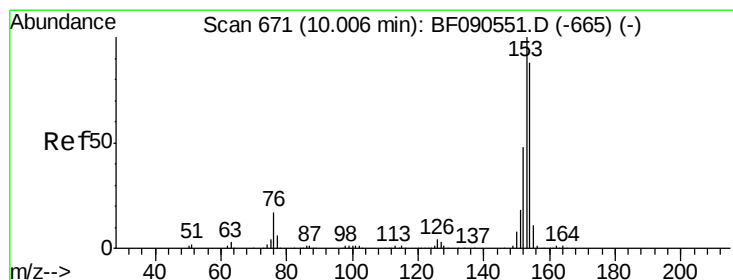
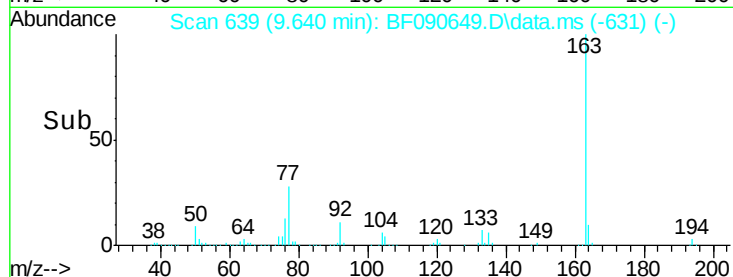
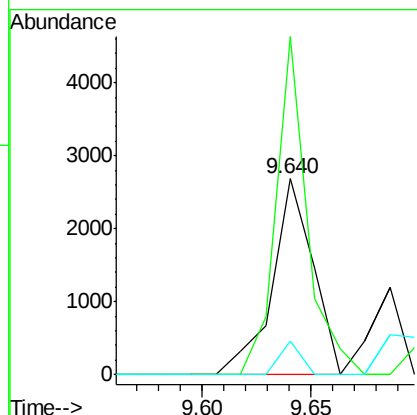
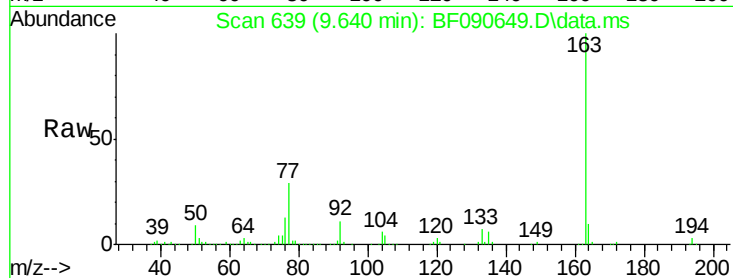




#50
 2,6-Dinitrotoluene
 Concen: 0.42 ng
 RT: 9.640 min Scan# 63
 Delta R.T. -0.103 min
 Lab File: BF090649.D
 Acq: 19 Oct 2016 15:59

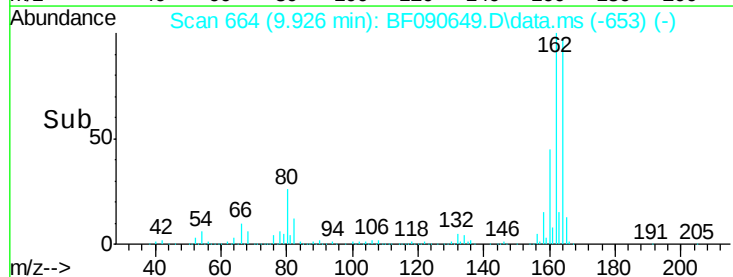
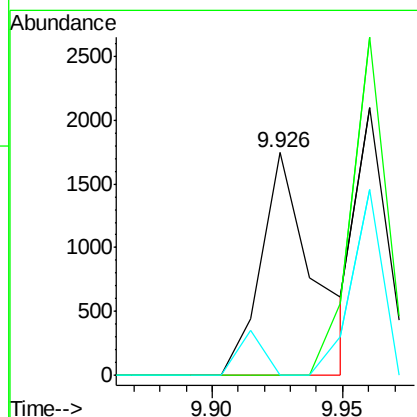
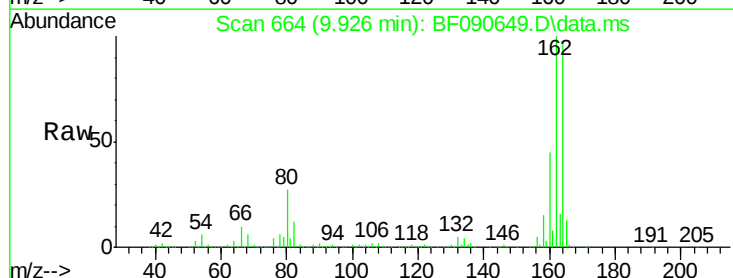
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

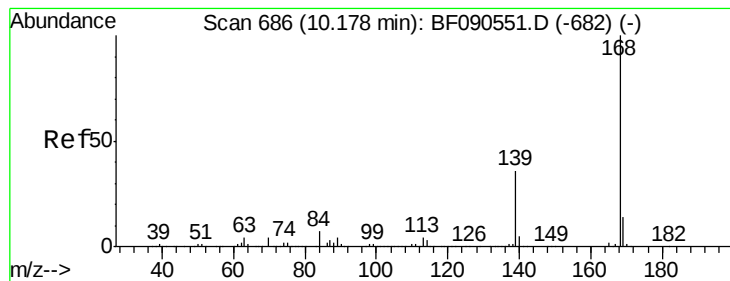
Tot Ion:165 Resp: 3524
 Ion Ratio Lower Upper
 165 100
 63 172.7 40.1 60.1#
 89 17.1 39.5 59.3#



#51
 Acenaphthene
 Concen: 0.07 ng
 RT: 9.926 min Scan# 664
 Delta R.T. -0.069 min
 Lab File: BF090649.D
 Acq: 19 Oct 2016 15:59

Tgt Ion:154 Resp: 2450
 Ion Ratio Lower Upper
 154 100
 153 0.0 91.2 136.8#
 152 0.0 44.0 66.0#





#54

Dibenzenofuran

Concen: 0.01 ng

RT: 10.086 min Scan# 67

Delta R.T. -0.080 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

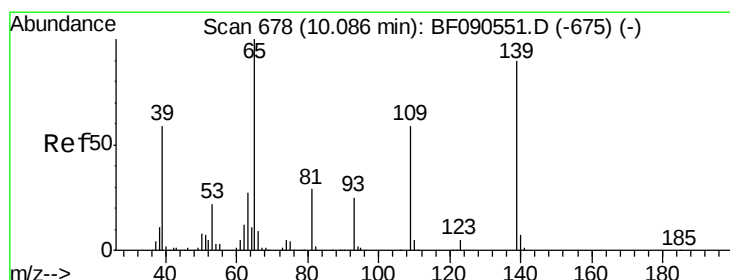
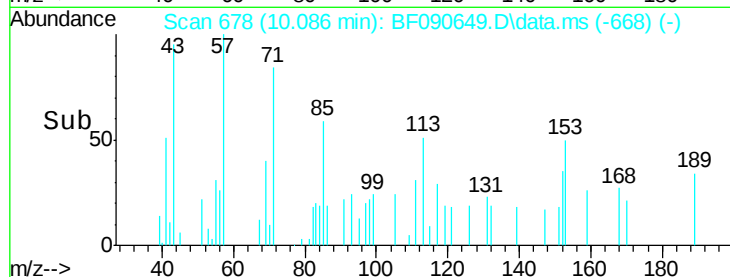
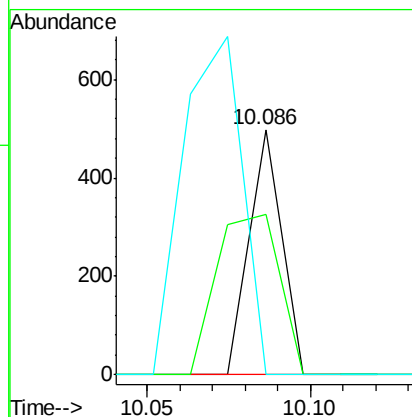
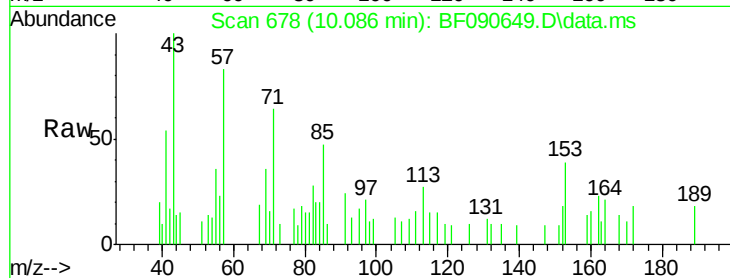
Tot Ion:168 Resp: 342

Ion Ratio Lower Upper

168 100

139 65.1 30.5 45.7#

169 0.0 10.9 16.3#



#55

4-Nitrophenol

Concen: 0.07 ng

RT: 10.086 min Scan# 678

Delta R.T. 0.011 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

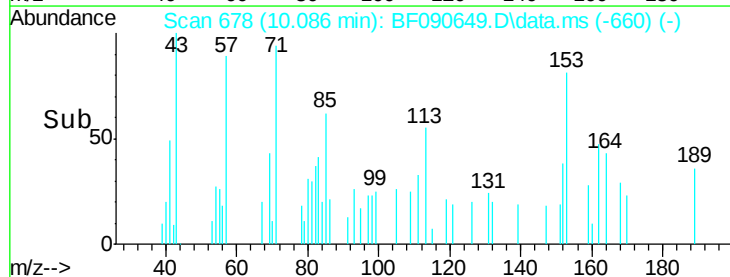
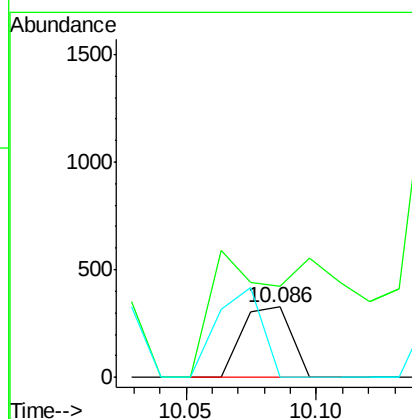
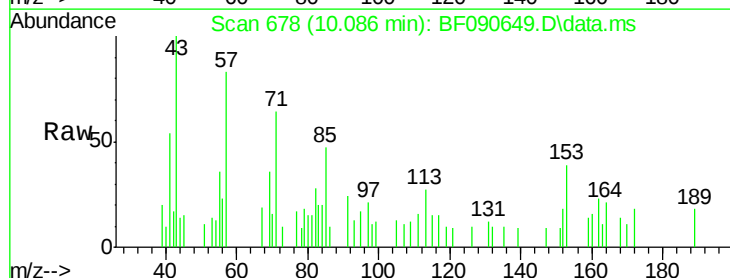
Tgt Ion:139 Resp: 433

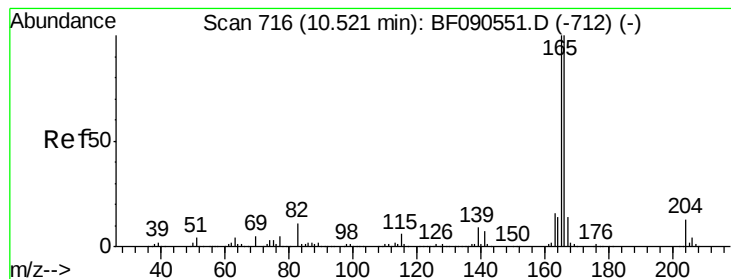
Ion Ratio Lower Upper

139 100

109 129.8 45.9 85.9#

65 0.0 95.8 135.8#





#57

Fluorene

Concen: 0.01 ng

RT: 10.475 min Scan# 71

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

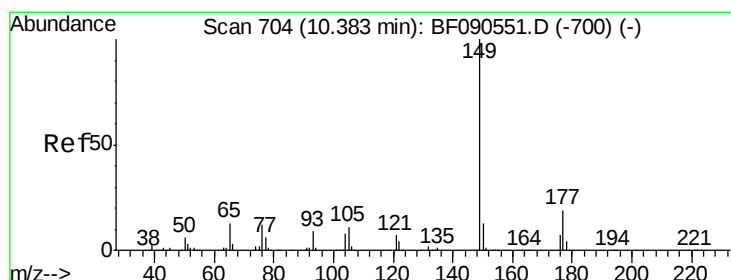
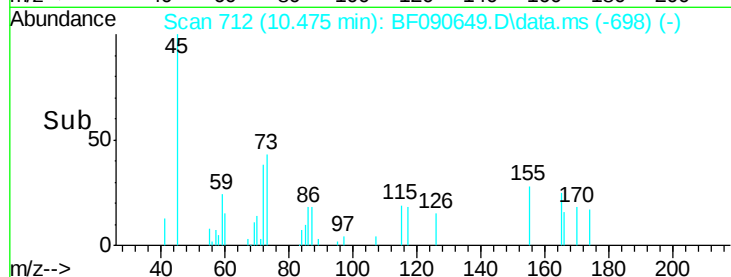
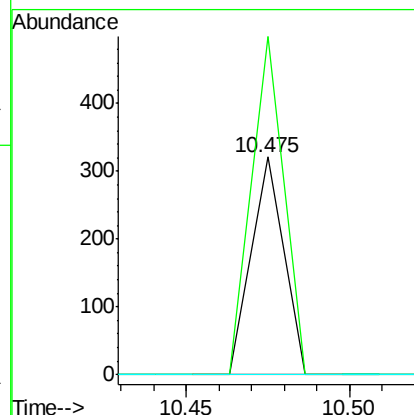
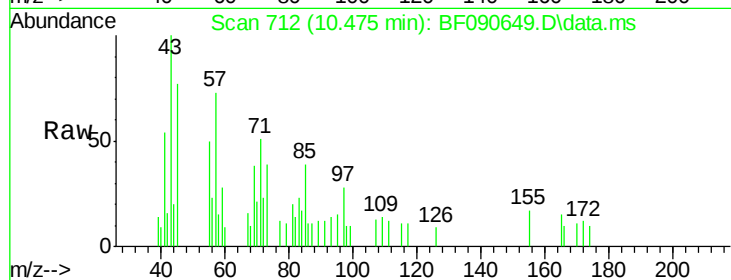
Tot Ion:166 Resp: 220

Ion Ratio Lower Upper

166 100

165 155.5 79.9 119.9#

167 0.0 10.9 16.3#



#59

Diethylphthalate

Concen: 0.27 ng

RT: 10.349 min Scan# 701

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

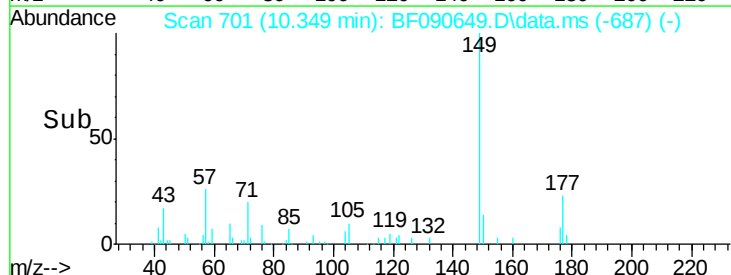
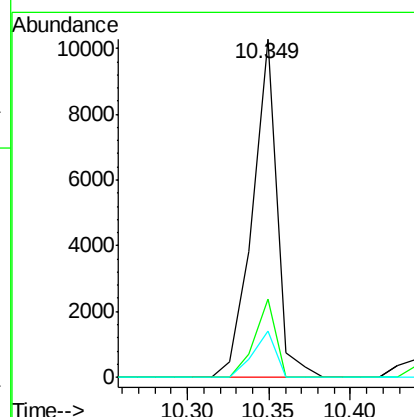
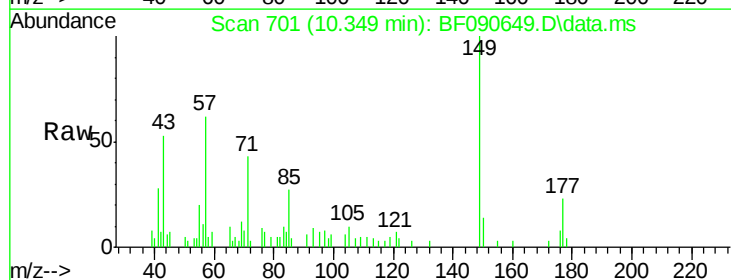
Tgt Ion:149 Resp: 10708

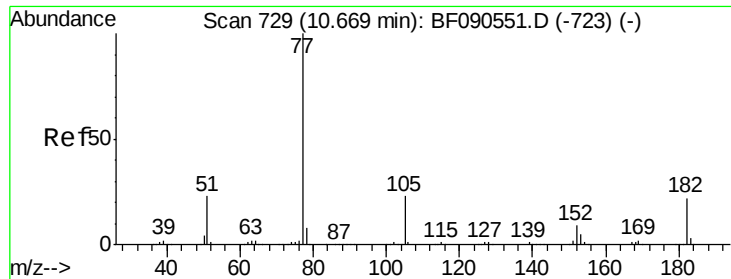
Ion Ratio Lower Upper

149 100

177 23.0 15.3 22.9#

150 13.7 10.3 15.5





#62

Azobenzene

Concen: 0.04 ng

RT: 10.635 min Scan# 72

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tot Ion: 77 Resp: 1762

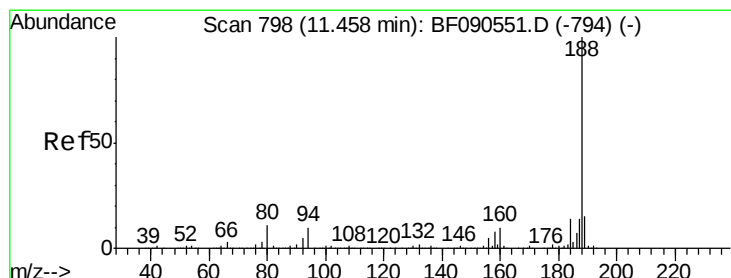
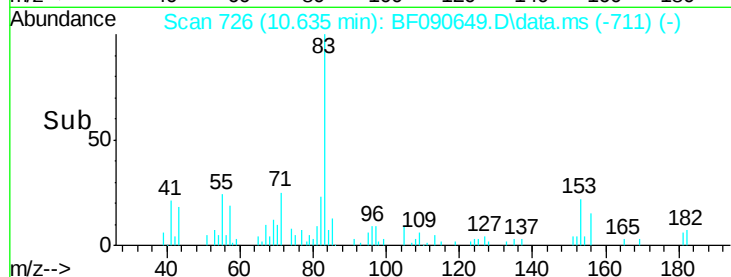
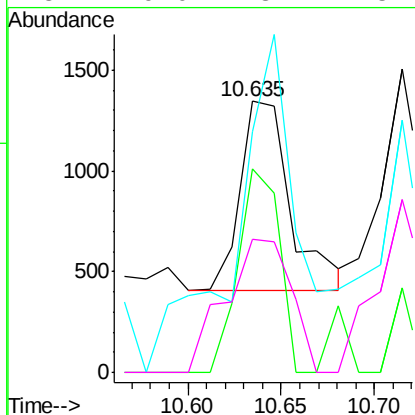
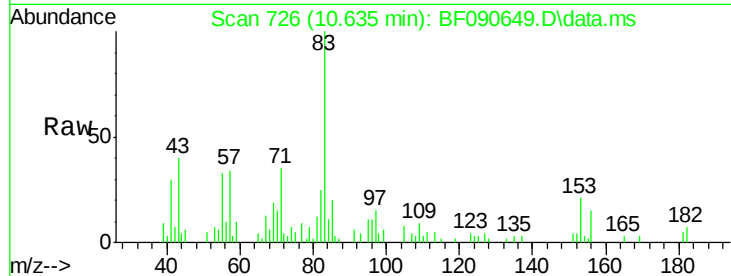
Ion Ratio Lower Upper

77 100

182 75.2 2.2 42.2#

105 88.8 3.5 43.5#

51 49.0 3.7 43.7#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.412 min Scan# 794

Delta R.T. -0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

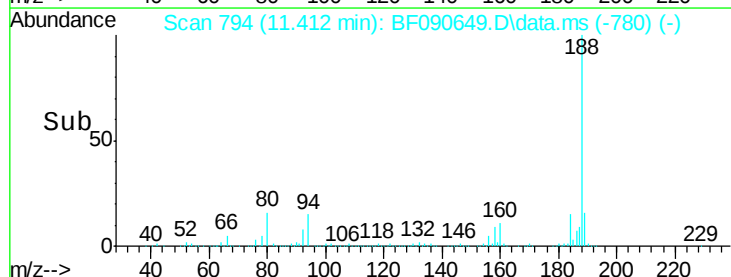
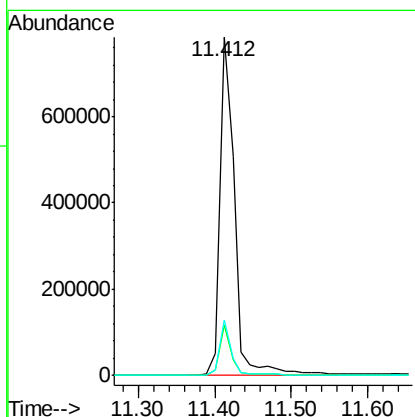
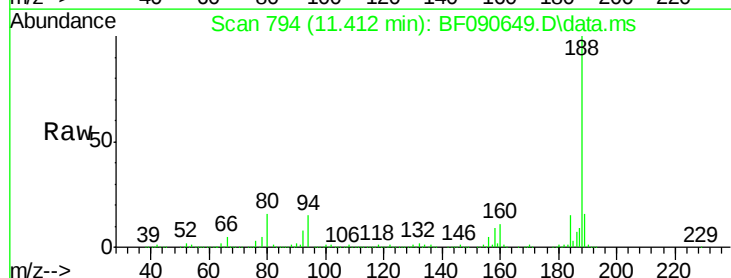
Tgt Ion: 188 Resp: 1043306

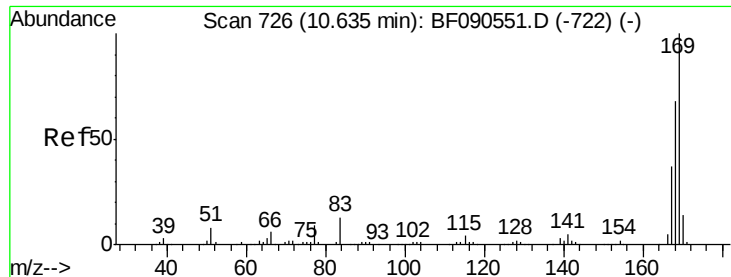
Ion Ratio Lower Upper

188 100

94 14.8 7.7 11.5#

80 16.4 8.6 12.8#

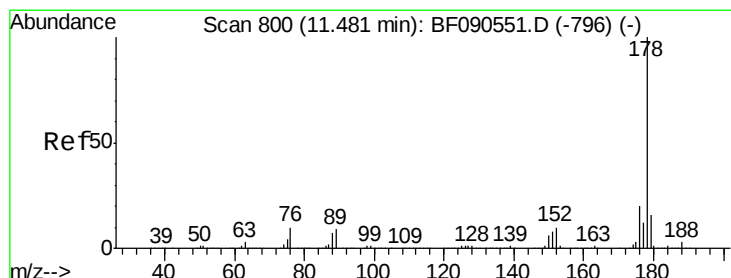
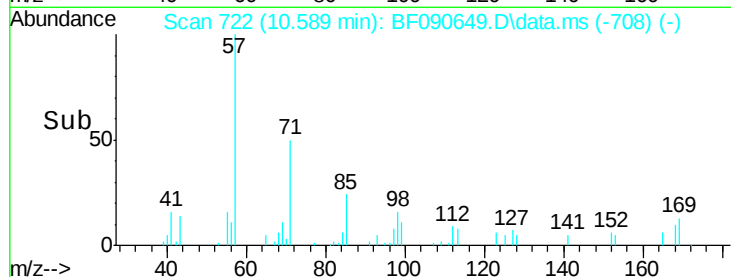
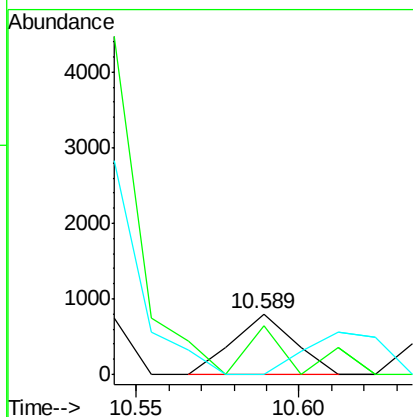
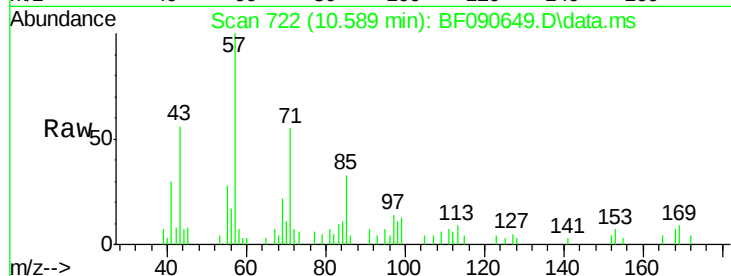




#65
n-Nitrosodiphenylamine
Concen: 0.03 ng
RT: 10.589 min Scan# 72
Delta R.T. -0.034 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

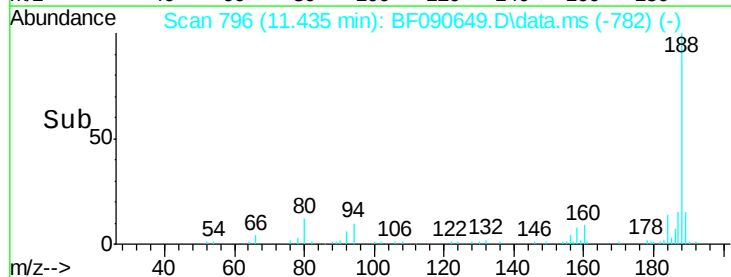
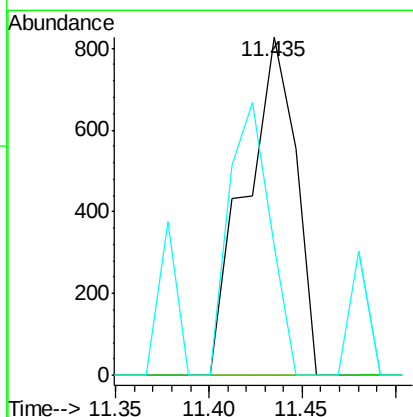
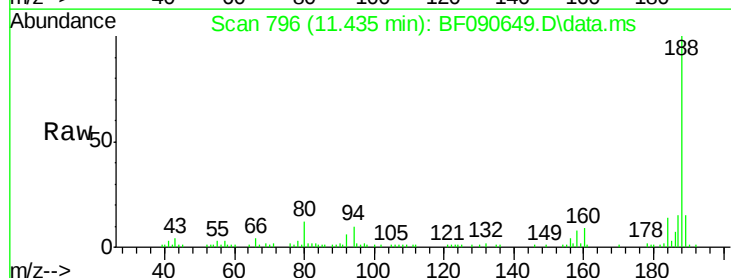
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

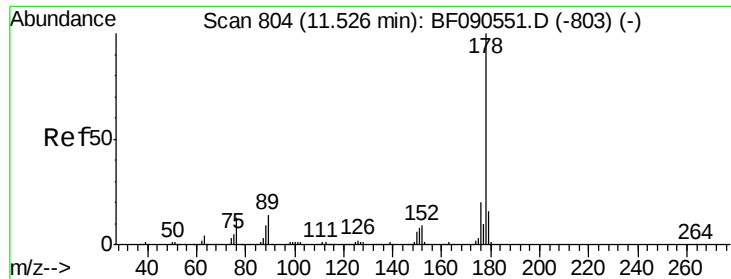
Tot Ion:169 Resp: 1050
Ion Ratio Lower Upper
169 100
168 80.3 54.6 81.8
167 0.0 29.8 44.8#



#70
Phenanthrene
Concen: 0.03 ng
RT: 11.435 min Scan# 796
Delta R.T. -0.034 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

Tgt Ion:178 Resp: 1545
Ion Ratio Lower Upper
178 100
176 0.0 16.1 24.1#
179 38.1 12.6 19.0#





#71

Anthracene

Concen: 0.03 ng

RT: 11.435 min Scan# 79

Delta R.T. -0.080 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

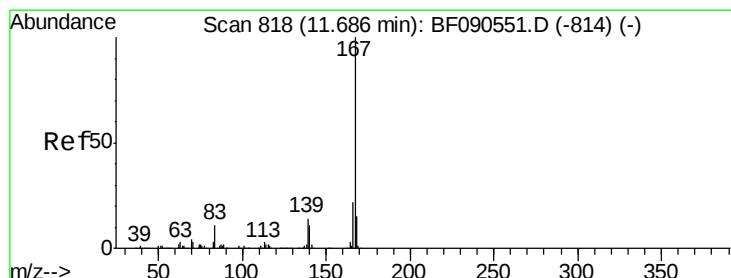
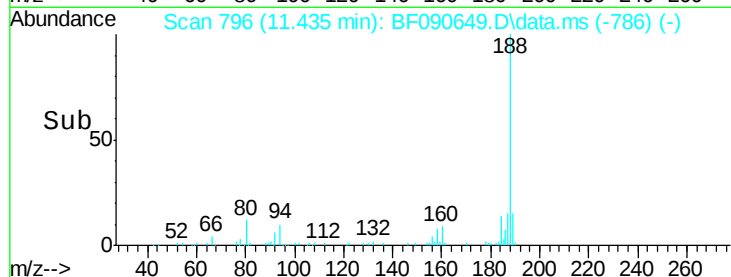
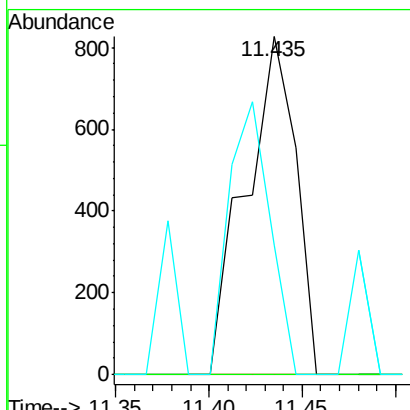
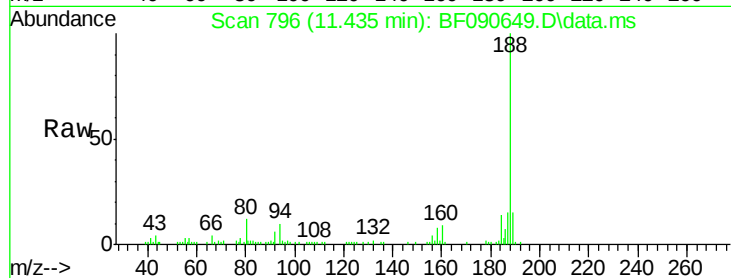
Tot Ion:178 Resp: 1545

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

179 38.1 13.0 19.4#



#72

Carbazole

Concen: 0.01 ng

RT: 11.583 min Scan# 809

Delta R.T. -0.092 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

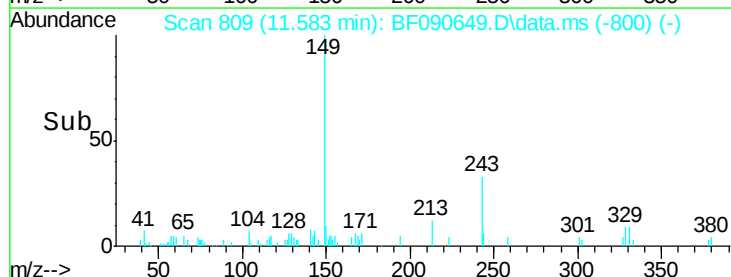
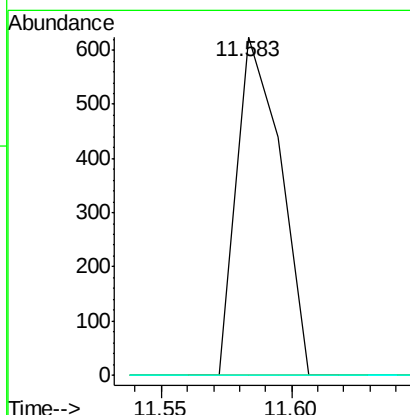
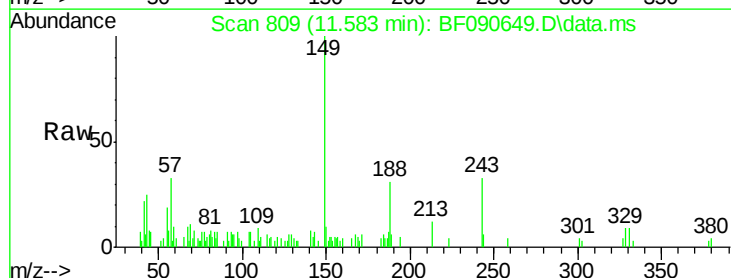
Tgt Ion:167 Resp: 730

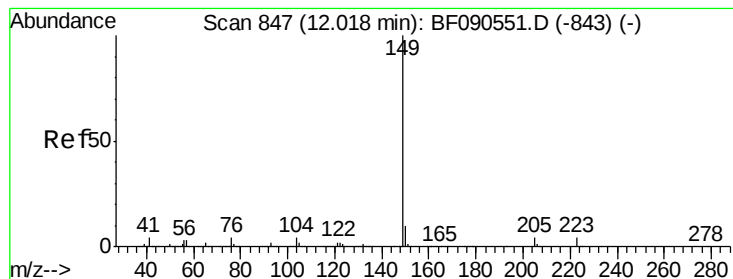
Ion Ratio Lower Upper

167 100

166 0.0 17.8 26.8#

139 0.0 11.3 16.9#





#73

Di-n-butylphthalate

Concen: 0.55 ng

RT: 11.983 min Scan# 84

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

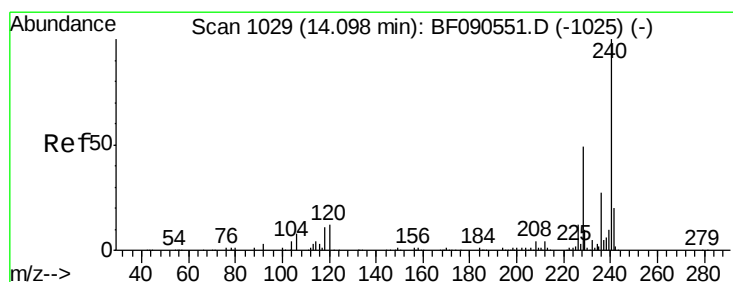
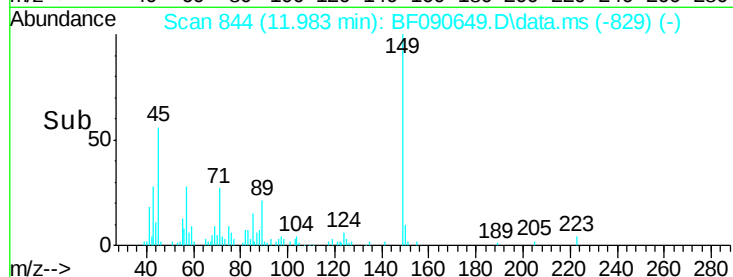
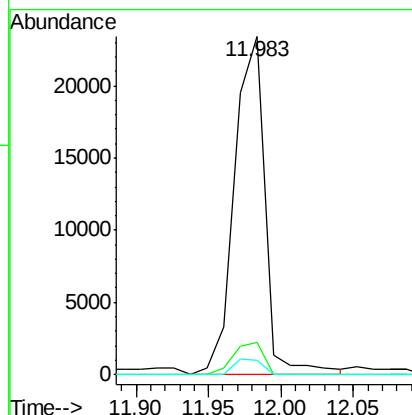
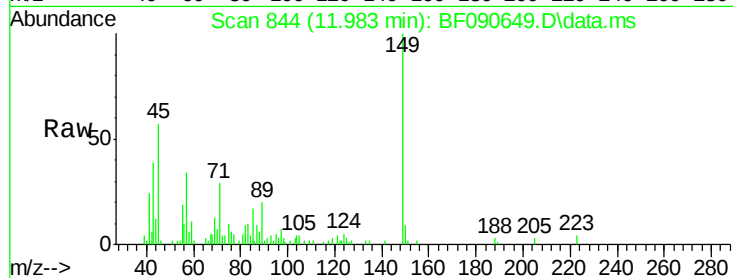
Tot Ion:149 Resp: 34330

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

104 4.3 3.3 4.9



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.064 min Scan# 1026

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

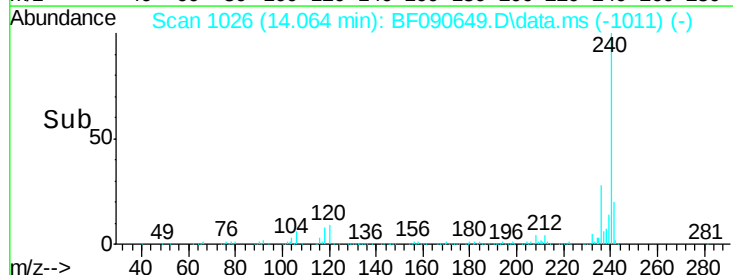
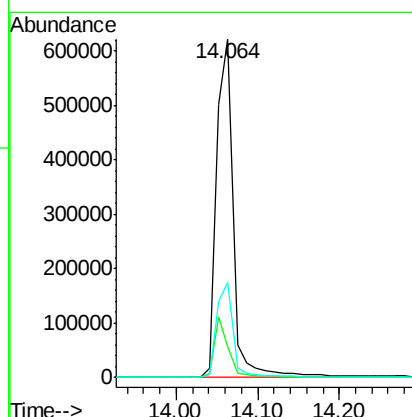
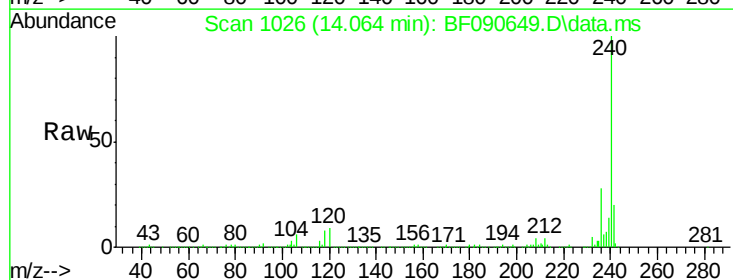
Tgt Ion:240 Resp: 890787

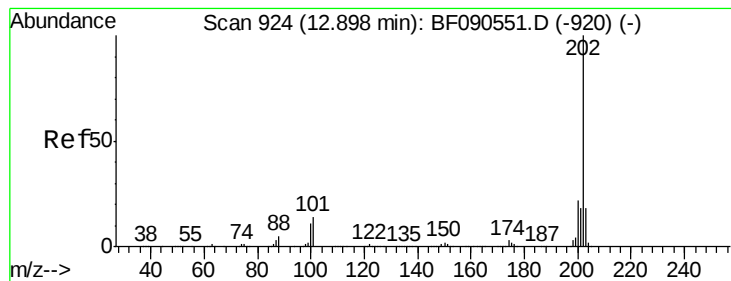
Ion Ratio Lower Upper

240 100

120 9.1 9.8 14.8#

236 28.1 21.7 32.5





#77

Pvrene

Concen: 0.16 ng

RT: 13.012 min Scan# 934

Delta R.T. 0.126 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

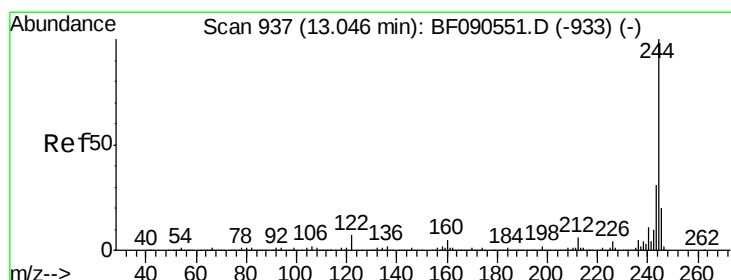
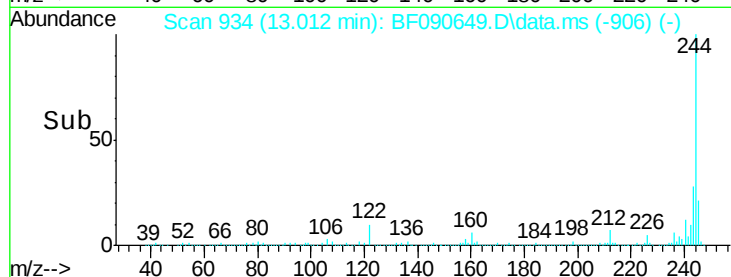
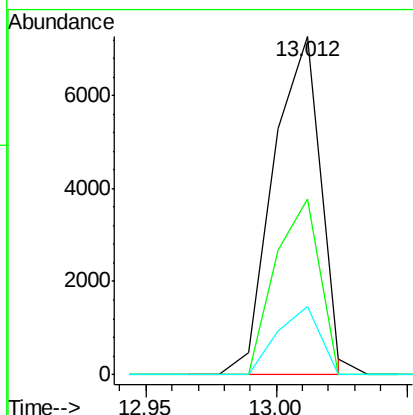
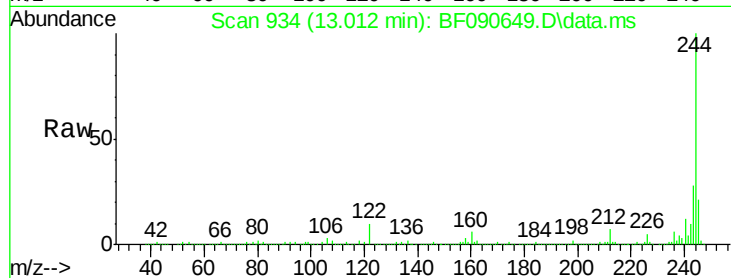
Tot Ion:202 Resp: 9167

Ion Ratio Lower Upper

202 100

200 51.8 17.8 26.6#

203 20.1 14.6 21.8



#78

Terphenyl-d14

Concen: 70.82 ng

RT: 13.012 min Scan# 934

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

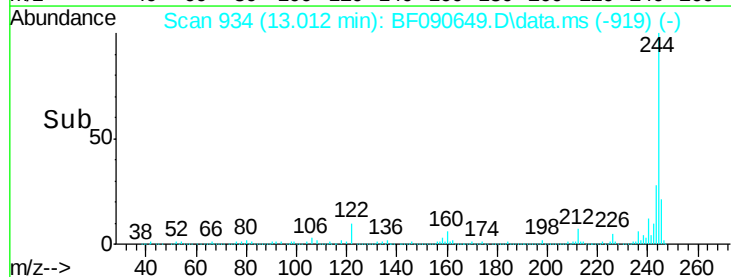
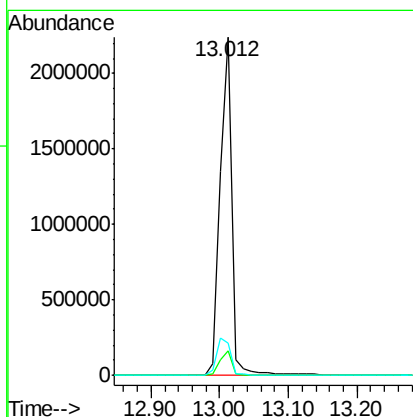
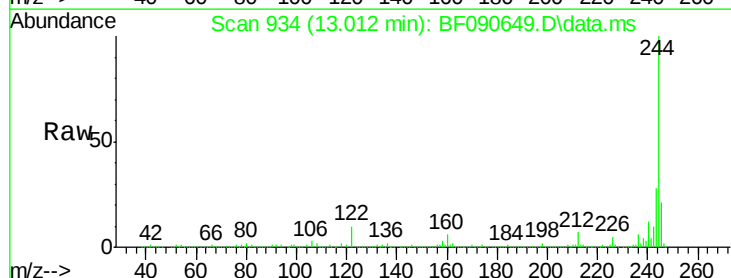
Tgt Ion:244 Resp: 2709363

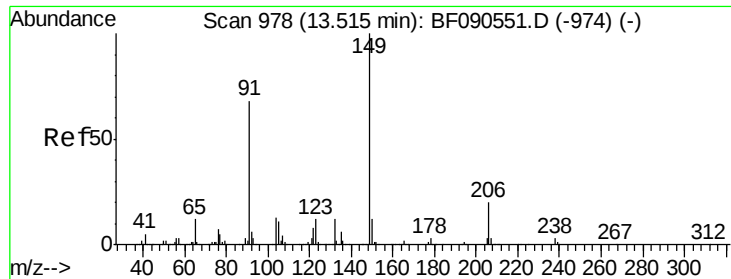
Ion Ratio Lower Upper

244 100

212 7.3 5.0 7.4

122 9.5 5.6 8.4#





#79

Butylbenzylphthalate

Concen: 0.41 ng

RT: 13.481 min Scan# 97

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

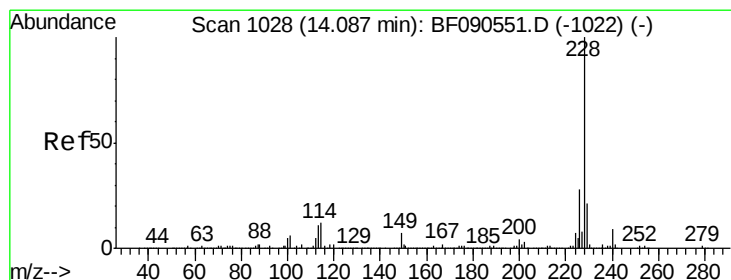
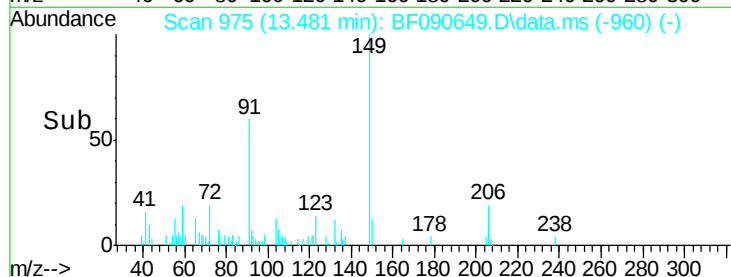
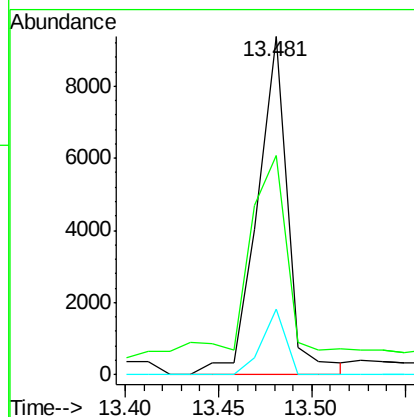
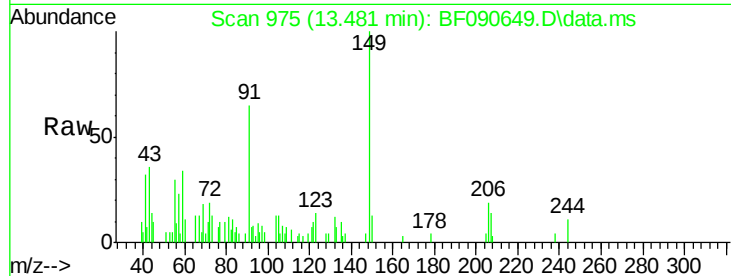
Tot Ion:149 Resp: 10642

Ion Ratio Lower Upper

149 100

91 64.9 54.3 81.5

206 19.2 15.8 23.6



#80

Benzo(a)anthracene

Concen: 0.04 ng

RT: 14.064 min Scan# 1026

Delta R.T. -0.012 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

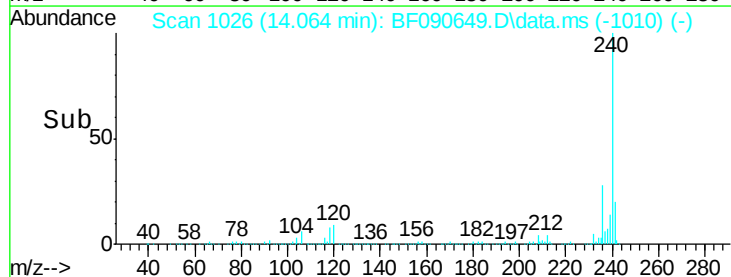
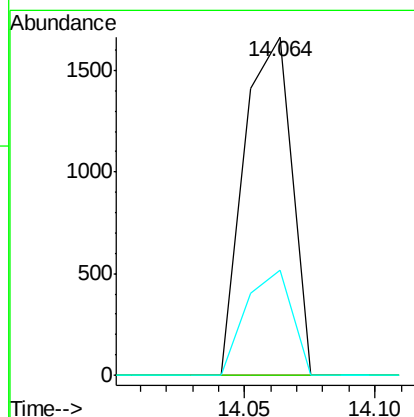
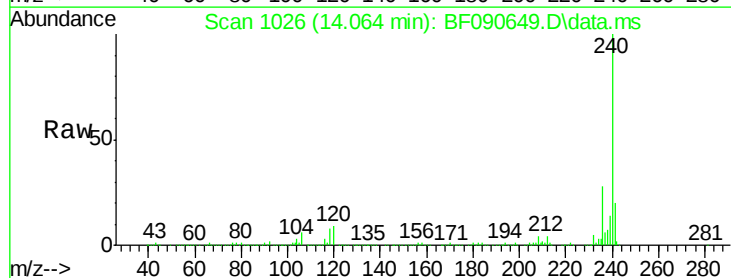
Tgt Ion:228 Resp: 2107

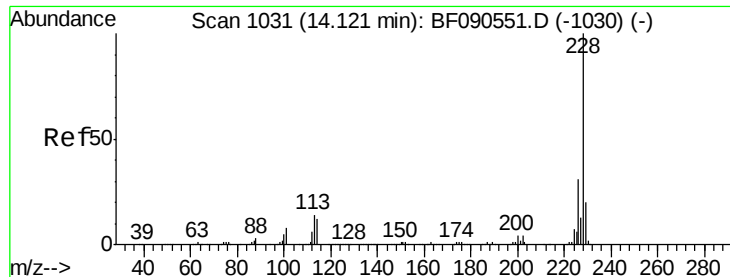
Ion Ratio Lower Upper

228 100

226 0.0 22.8 34.2#

229 31.2 16.6 25.0#





#82

Chrysene

Concen: 0.04 ng

RT: 14.064 min Scan# 10

Delta R.T. -0.046 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

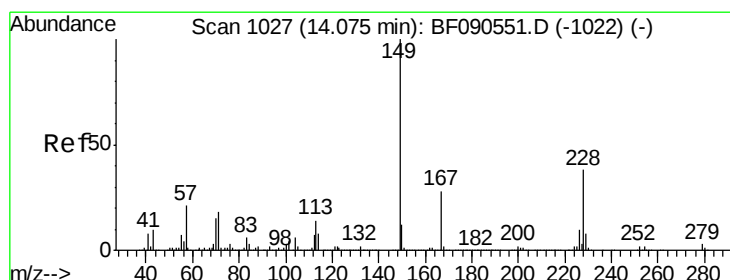
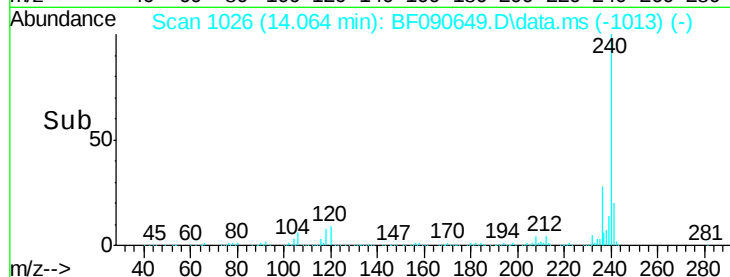
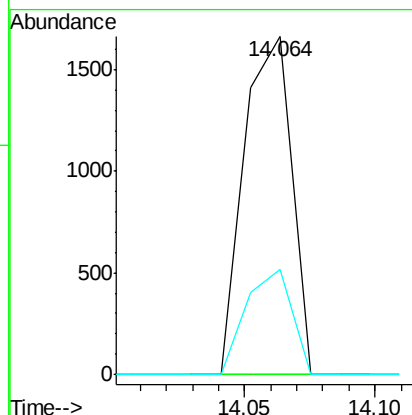
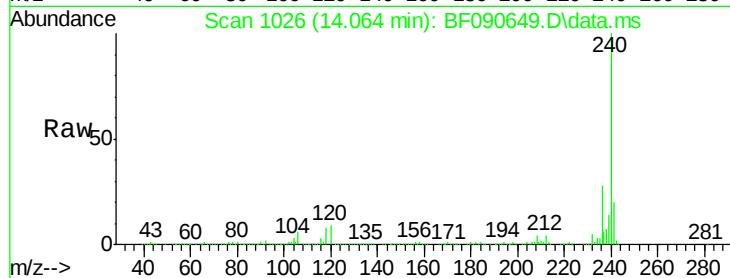
Tot Ion:228 Resp: 2107

Ion Ratio Lower Upper

228 100

226 0.0 24.8 37.2#

229 31.2 16.2 24.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.45 ng

RT: 14.041 min Scan# 1024

Delta R.T. -0.023 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

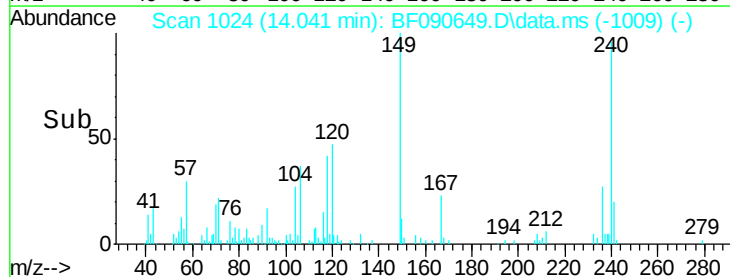
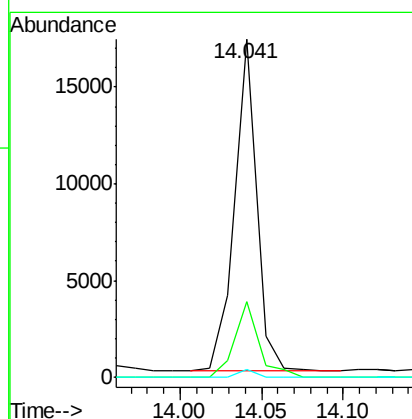
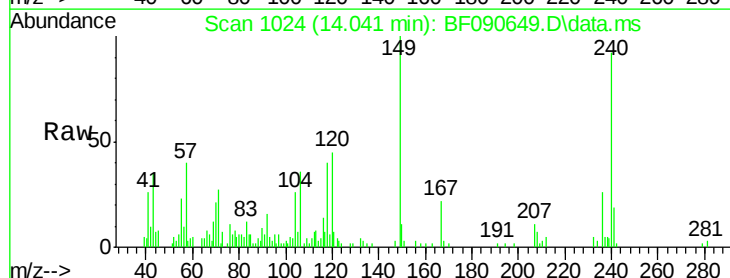
Tgt Ion:149 Resp: 15969

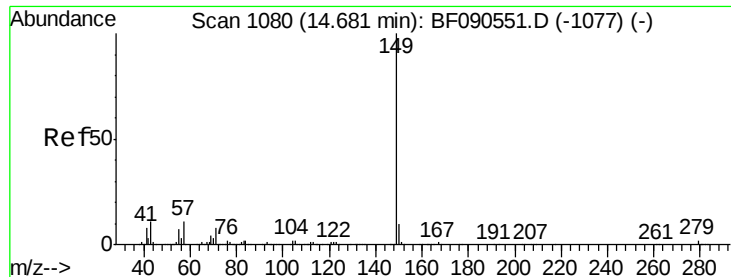
Ion Ratio Lower Upper

149 100

167 22.4 22.1 33.1

279 2.3 2.6 4.0#

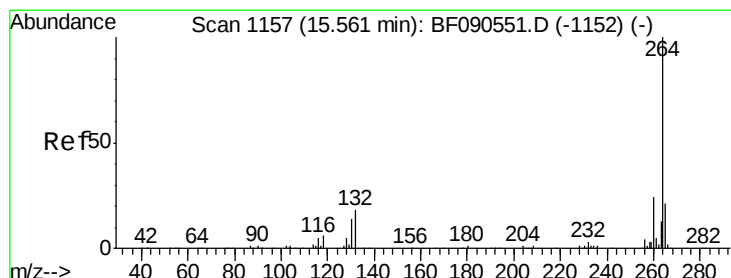
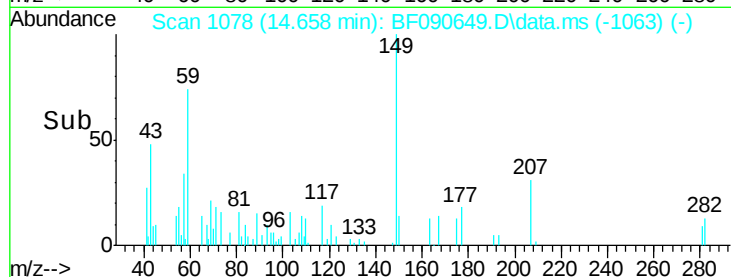
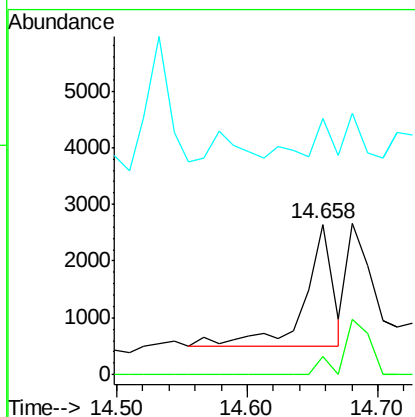
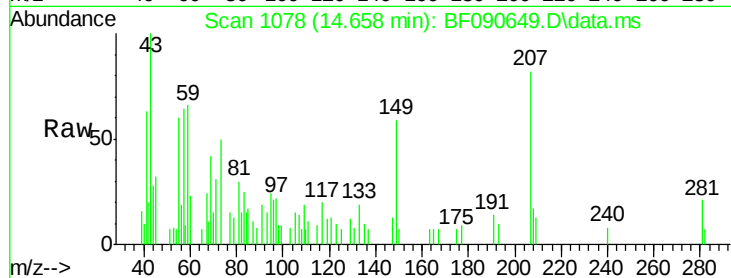




#84
Di-n-octyl phthalate
Concen: 0.07 ng
RT: 14.658 min Scan# 1078
Delta R.T. -0.023 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

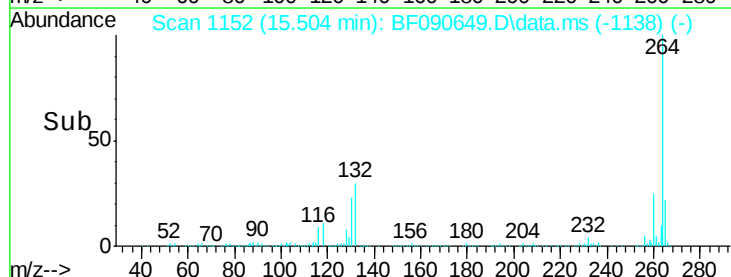
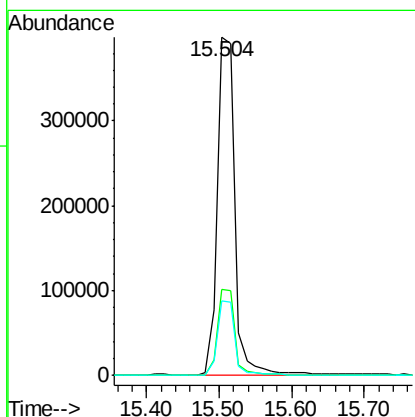
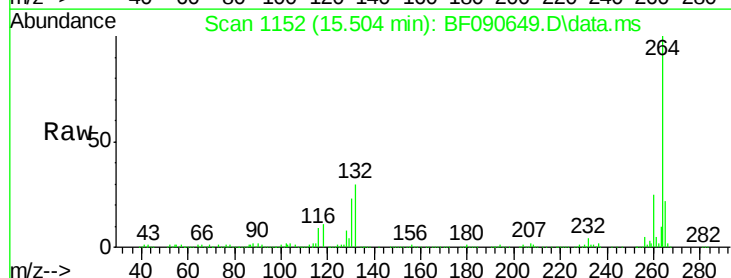
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

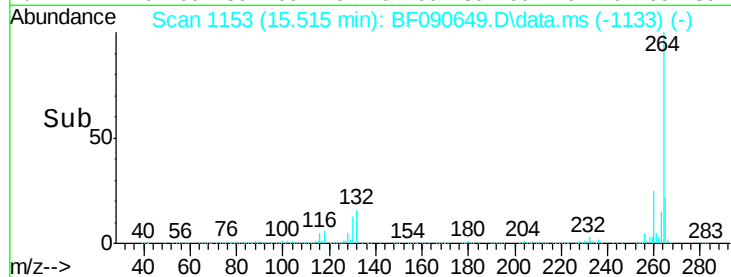
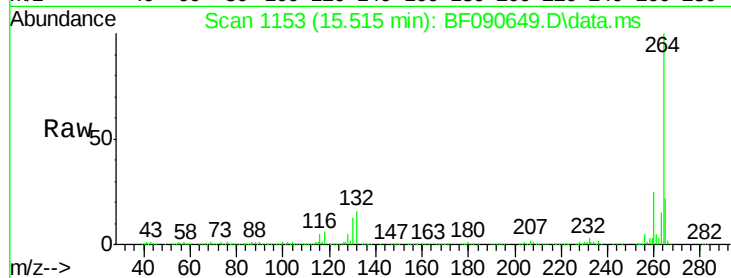
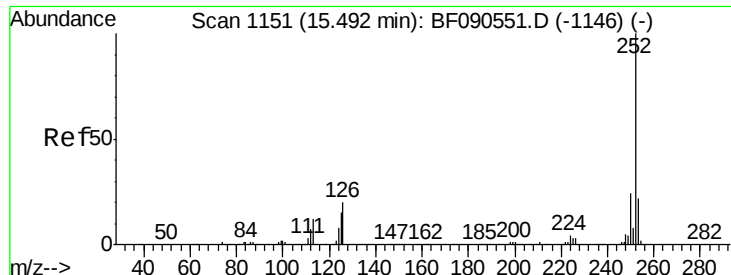
Tot Ion:149 Resp: 3317
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 28.0 6.7 10.1#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 1152
Delta R.T. -0.034 min
Lab File: BF090649.D
Acq: 19 Oct 2016 15:59

Tgt Ion:264 Resp: 673158
Ion Ratio Lower Upper
264 100
260 25.5 19.3 28.9
265 21.9 16.7 25.1





#89

Benzo(a)pyrene

Concen: 0.06 ng

RT: 15.515 min Scan# 11

Delta R.T. 0.034 min

Lab File: BF090649.D

Acq: 19 Oct 2016 15:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tot Ion:252 Resp: 2325

Ion Ratio Lower Upper

252 100

253 35.2 17.9 26.9#

125 37.7 12.3 18.5#

