

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098761.D
 Acq On : 24 Sep 2017 1:43
 Operator : SJ/JU
 Sample : I5360-11 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 05:03:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	128455	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	480913	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	168453	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	277054	20.00	ng	0.00
75) Chrysene-d12	14.09	240	253622	20.00	ng	0.00
86) Perylene-d12	15.59	264	202072	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	162665	20.16	ng	-0.01
7) Phenol-d6	6.53	99	188770	18.96	ng	-0.01
23) Nitrobenzene-d5	7.47	82	103066	13.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	22936	16.64	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	184474	18.28	ng	0.00
78) Terphenyl-d14	13.03	244	141131	12.66	ng	0.00

Target Compounds						Qvalue
3) Pyridine	3.50	79	447	0.04	ng	# 21
6) Aniline	6.62	93	107	0.01	ng	# 1
9) Benzaldehyde	6.69	77	3584	0.62	ng	88
10) Phenol	6.55	94	9961	0.89	ng	95
11) bis(2-Chloroethyl)ether	6.69	93	142	0.02	ng	# 1
12) 1,3-Dichlorobenzene	6.94	146	137	0.01	ng	# 31
13) 1,4-Dichlorobenzene	6.94	146	137	0.01	ng	# 27
14) 1,2-Dichlorobenzene	6.94	146	137	0.02	ng	# 26
15) Benzyl Alcohol	7.08	79	3519	0.48	ng	# 49
17) 2-Methylphenol	7.16	107	139	0.02	ng	# 1
18) Hexachloroethane	7.45	117	5643	1.61	ng	# 1
19) n-Nitroso-di-n-propylamine	7.19	70	503	0.08	ng	# 85
20) 3+4-Methylphenols	7.32	107	798	0.08	ng	# 1
22) Acetophenone	7.32	105	5393	0.46	ng	# 68
24) Nitrobenzene	7.49	77	1080	0.13	ng	# 21
25) Isophorone	7.47	82	102513	6.61	ng	# 65
27) 2,4-Dimethylphenol	7.86	122	238	0.03	ng	# 23
28) bis(2-Chloroethoxy)methane	7.95	93	802	0.08	ng	# 1
31) Naphthalene	8.23	128	200274	8.87	ng	99
32) Benzoic acid	7.97	122	116	0.02	ng	# 48
33) 4-Chloroaniline	8.23	127	25369	2.69	ng	# 43
35) Caprolactam	8.62	113	313	0.15	ng	# 28
36) 4-Chloro-3-methylphenol	8.66	107	223	0.03	ng	# 1
37) 2-Methylnaphthalene	8.92	142	49295	3.36	ng	98
45) 1,1'-Biphenyl	9.38	154	9462	0.65	ng	91
46) 2-Chloronaphthalene	9.45	162	368	0.03	ng	# 37
47) 2-Nitroaniline	9.45	65	752	0.23	ng	# 2
48) Acenaphthylene	9.82	152	32808	1.97	ng	97
49) Dimethylphthalate	9.67	163	20344	1.60	ng	99
50) 2,6-Dinitrotoluene	9.96	165	23574	8.52	ng	# 26
51) Acenaphthene	9.99	154	24910	2.36	ng	96
52) 3-Nitroaniline	10.16	138	544	0.17	ng	# 2
54) Dibenzofuran	10.16	168	28354	2.02	ng	97
55) 4-Nitrophenol	10.16	139	11338	4.15	ng	# 13

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 Misc :
 ALS Vial : 25 Sample Multiplier: 1

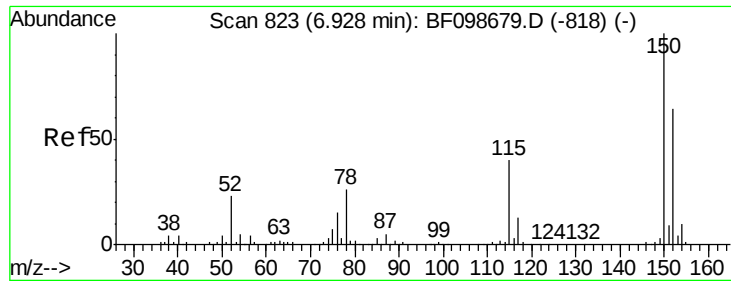
Instrument :
 BNA_F
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Quant Time: Sep 25 05:03:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

56) 2,4-Dinitrotoluene	10.13	165	845	0.24	ng	# 18
57) Fluorene	10.50	166	28113	2.49	ng	98
59) Diethylphthalate	10.37	149	364	0.03	ng	# 61
61) 4-Nitroaniline	10.50	138	332	0.11	ng	# 19
62) Azobenzene	10.66	77	770	0.07	ng	# 1
65) n-Nitrosodiphenylamine	10.62	169	2090	0.22	ng	# 73
66) 4-Bromophenyl-phenylether	10.74	248	1518	0.56	ng	# 1
70) Phenanthrene	11.47	178	228818	15.43	ng	99
71) Anthracene	11.52	178	87480	5.77	ng	99
72) Carbazole	11.67	167	22865	1.54	ng	96
73) Di-n-butylphthalate	12.00	149	2518	0.14	ng	# 75
74) Fluoranthene	12.66	202	466869	31.09	ng	97
76) Benzidine	12.75	184	614	0.07	ng	# 1
77) Pyrene	12.89	202	477478	24.69	ng	99
79) Butylbenzylphthalate	13.50	149	6157	0.68	ng	# 80
80) Benzo(a)anthracene	14.07	228	218577	14.23	ng	96
81) 3,3'-Dichlorobenzidine	14.02	252	641	0.11	ng	# 50
82) Chrysene	14.12	228	207041	14.16	ng	98
83) Bis(2-ethylhexyl)phthalate	14.06	149	17608	1.41	ng	99
84) Di-n-octyl phthalate	14.67	149	707	0.04	ng	# 17
85) Indeno(1,2,3-cd)pyrene	17.09	276	65544	5.60	ng	99
87) Benzo(b)fluoranthene	15.14	252	279059	22.46	ng	# 93
88) Benzo(k)fluoranthene	15.14	252	279059	22.74	ng	# 96
89) Benzo(a)pyrene	15.52	252	142610	12.50	ng	# 94
90) Dibenzo(a,h)anthracene	17.10	278	18347	2.01	ng	# 57
91) Benzo(g,h,i)perylene	17.55	276	64983	7.20	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

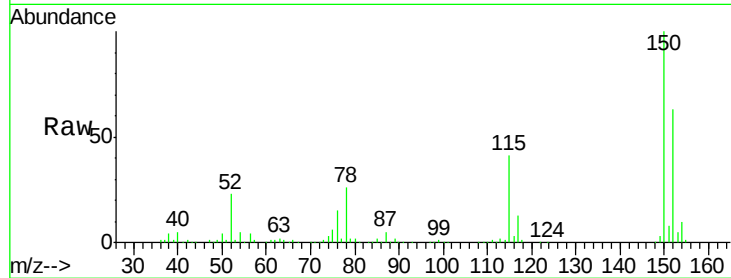
Tot Ion:152 Resp: 128455

Ion Ratio Lower Upper

152 100

150 157.5 124.6 186.8

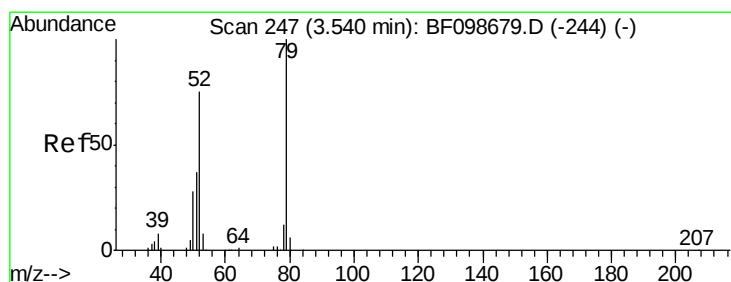
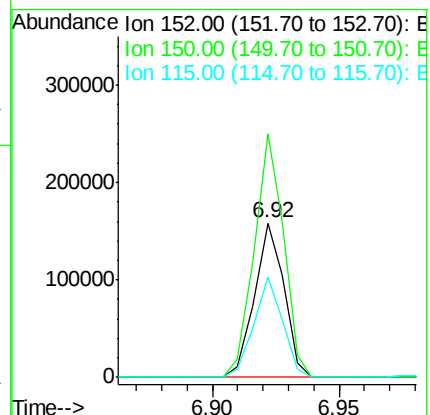
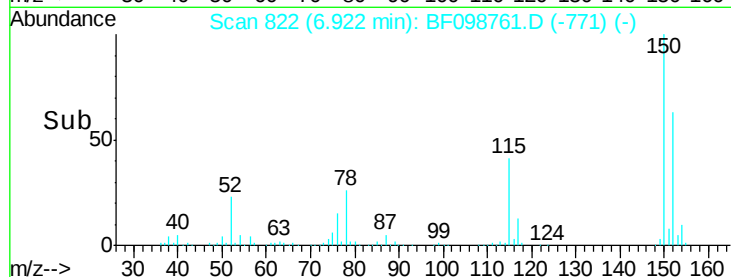
115 64.6 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

Pyridine

Concen: 0.04 ng

RT: 3.50 min Scan# 240

Delta R.T. -0.03 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

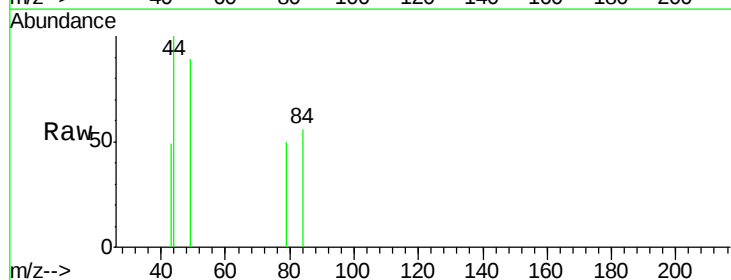
Tgt Ion: 79 Resp: 447

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

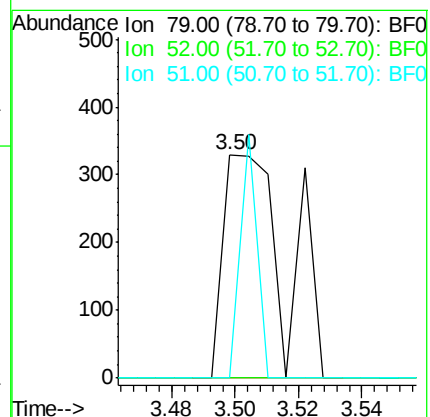
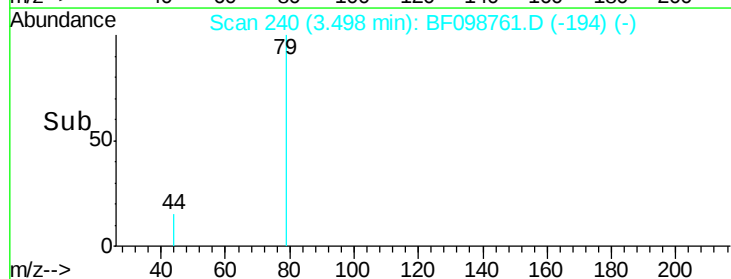
51 0.0 29.8 44.8#

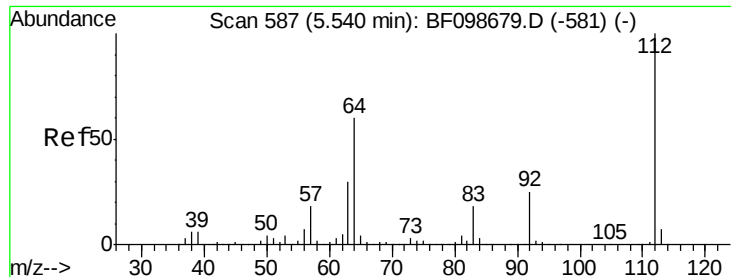


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 20.16 ng

RT: 5.53 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampled :

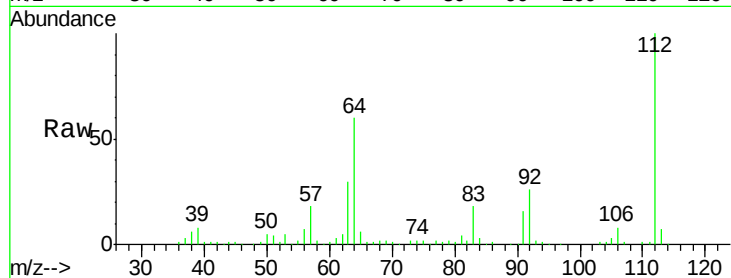
Tot Ion: 112 Resp: 162665

Ion Ratio Lower Upper

112 100

64 59.9 47.9 71.9

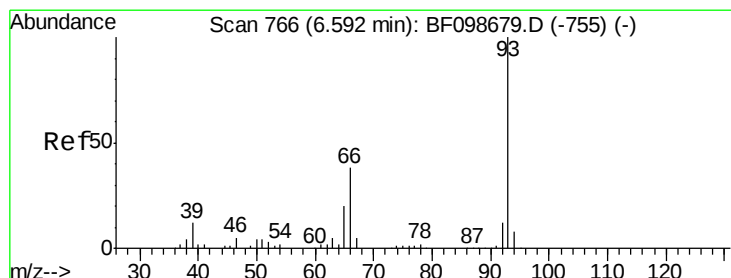
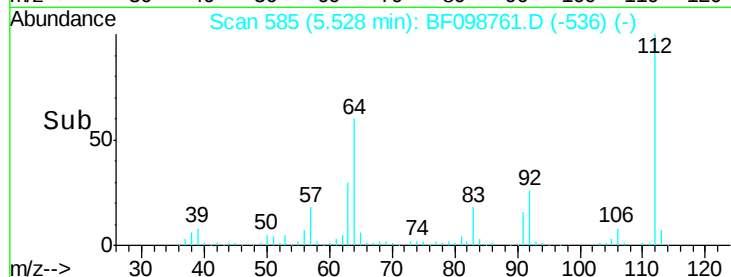
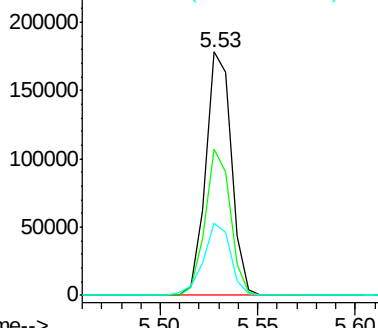
63 29.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.01 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.03 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

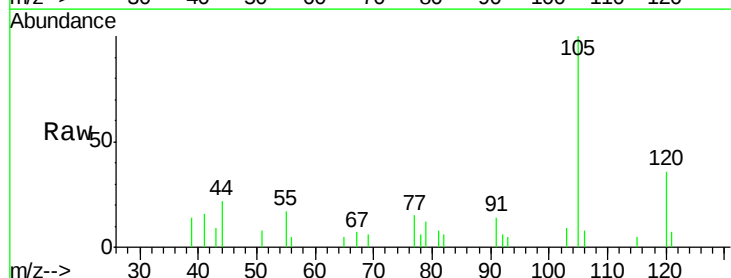
Tgt Ion: 93 Resp: 107

Ion Ratio Lower Upper

93 100

66 0.0 32.2 48.2#

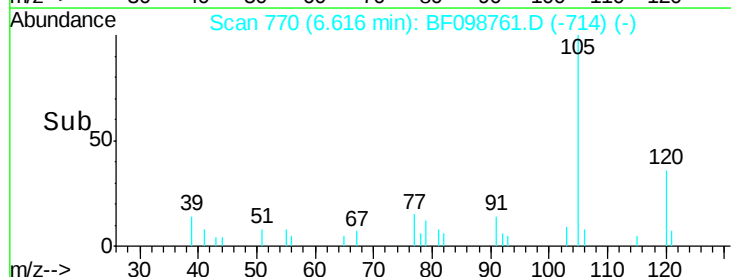
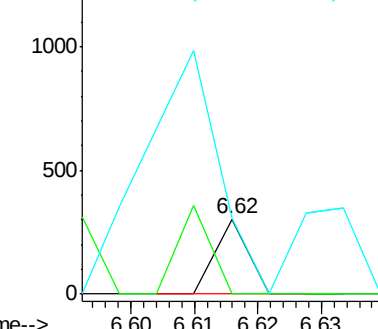
65 102.0 16.4 24.6#

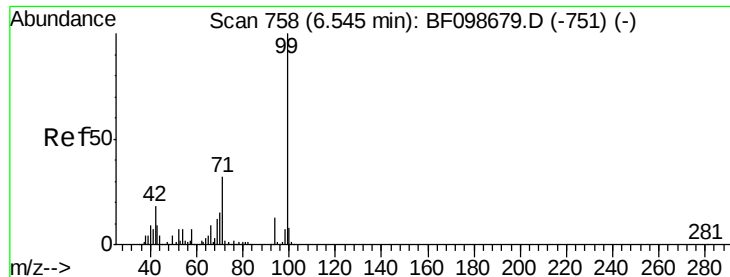


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 18.96 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

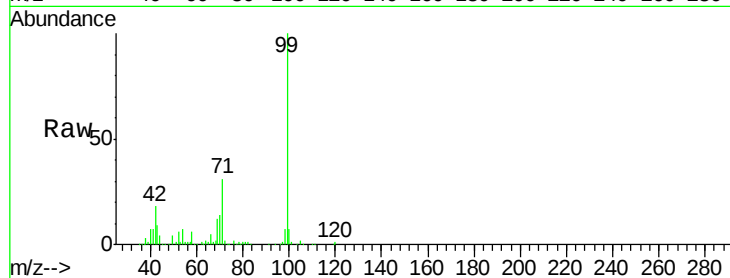
Tot Ion: 99 Resp: 188770

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

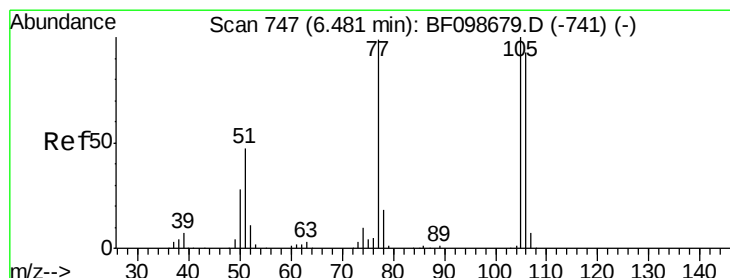
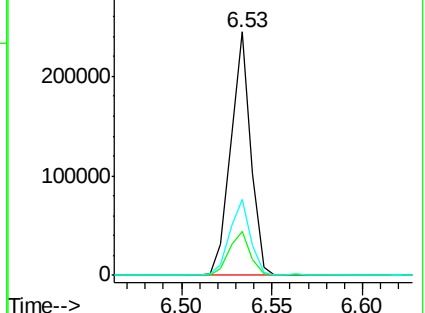
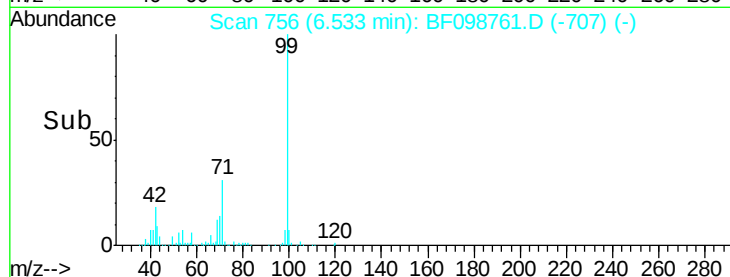
71 31.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 0.62 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

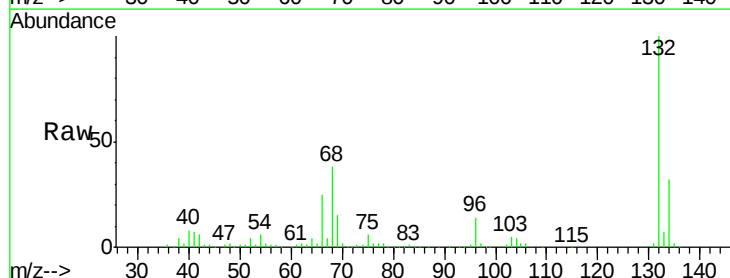
Tgt Ion: 77 Resp: 3584

Ion Ratio Lower Upper

77 100

105 88.4 81.1 121.1

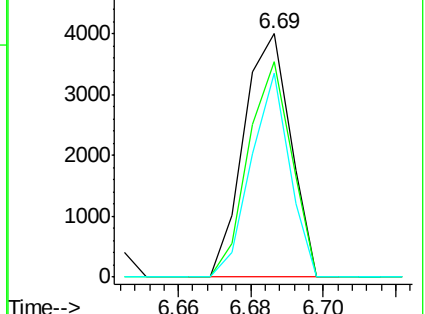
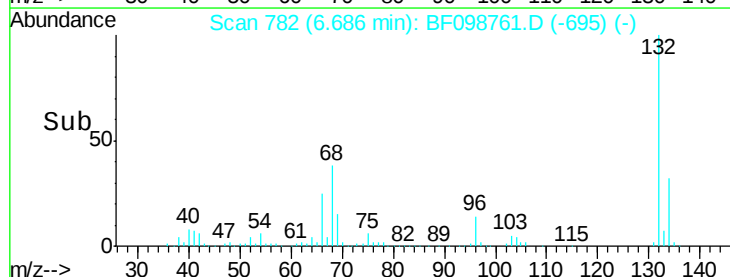
106 84.0 74.5 114.5

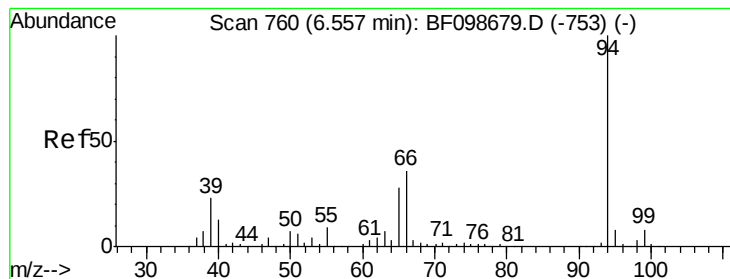


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.89 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampled :

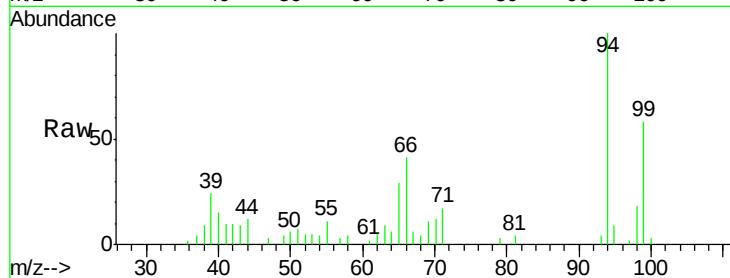
Tot Ion: 94 Resp: 9961

Ion Ratio Lower Upper

94 100

65 29.2 7.9 47.9

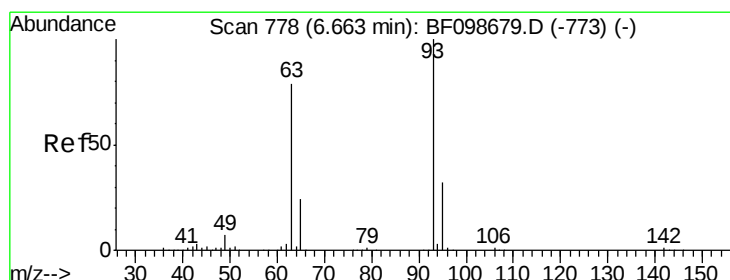
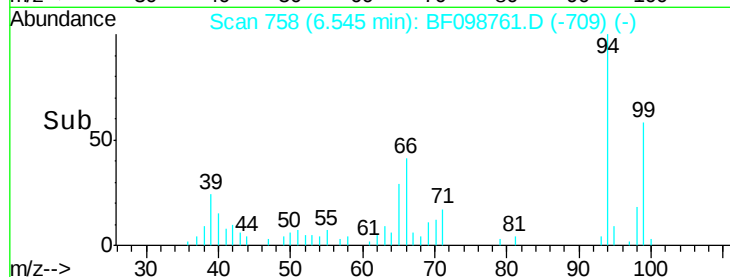
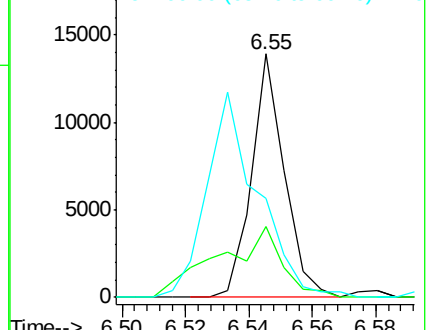
66 40.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.03 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

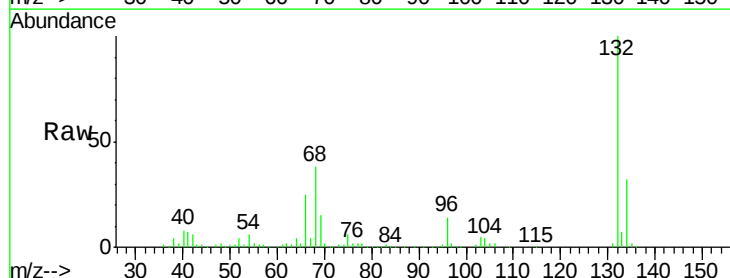
Tgt Ion: 93 Resp: 142

Ion Ratio Lower Upper

93 100

63 561.9 58.6 98.6#

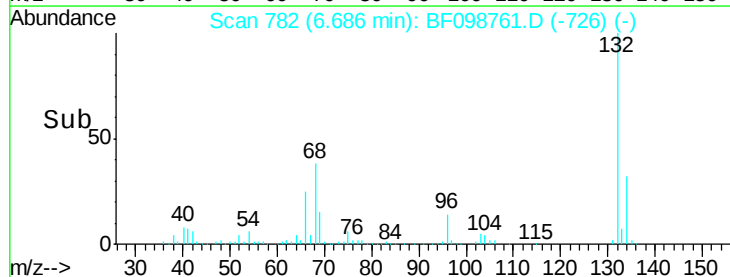
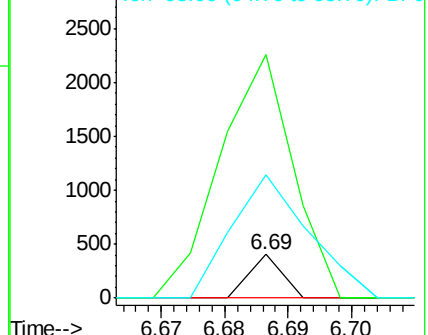
95 284.1 11.8 51.8#

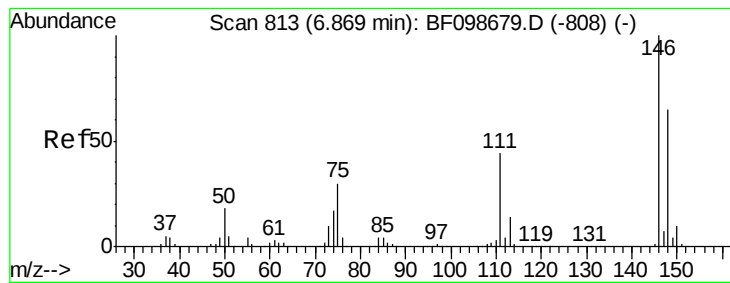


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 0.01 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.08 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

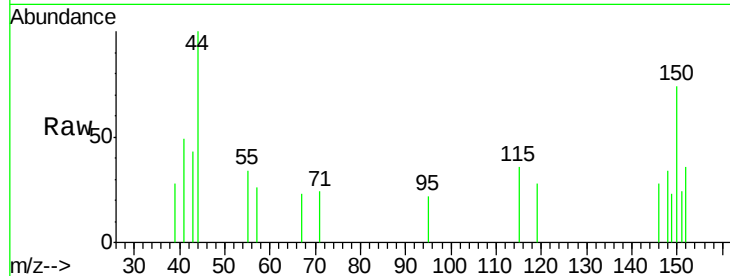
Tot Ion:146 Resp: 137

Ion Ratio Lower Upper

146 100

148 123.5 51.8 77.8#

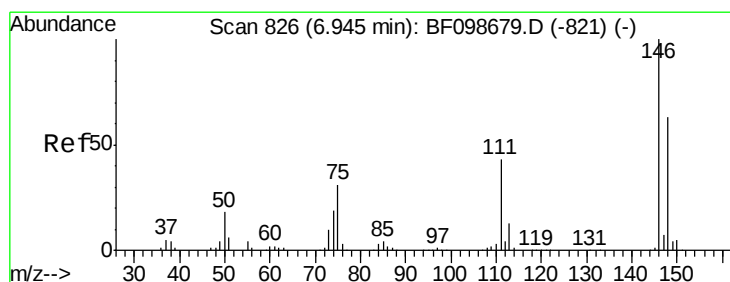
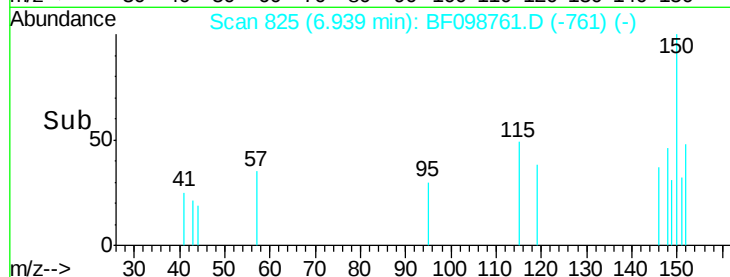
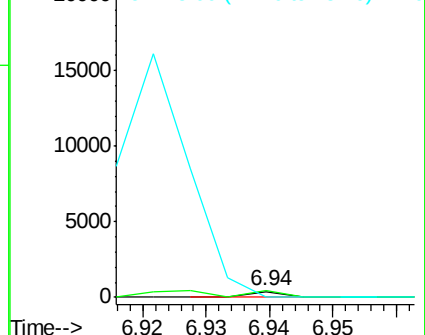
75 0.0 24.2 36.4#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 6.94 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

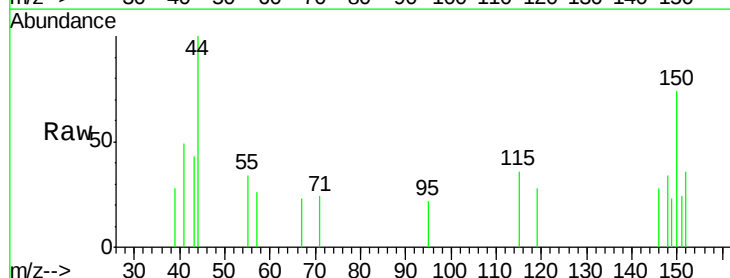
Tgt Ion:146 Resp: 137

Ion Ratio Lower Upper

146 100

148 123.5 50.8 76.2#

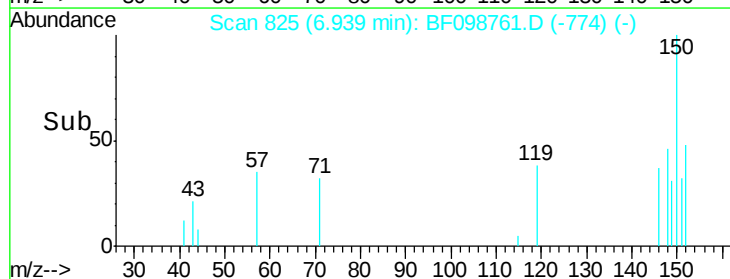
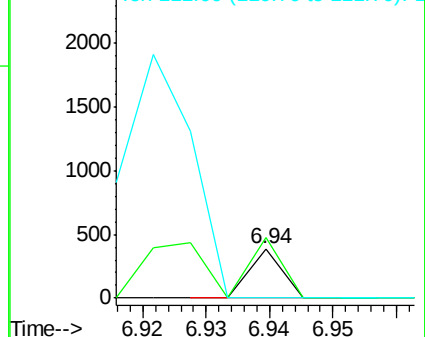
111 0.0 34.2 51.2#

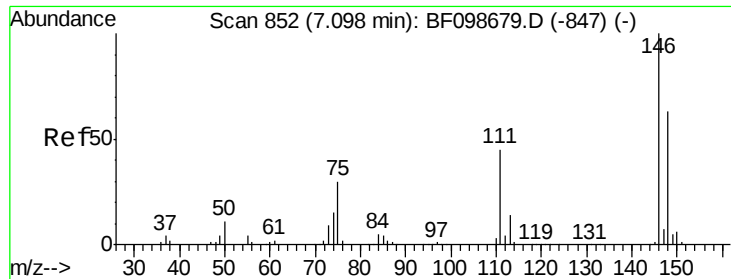


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

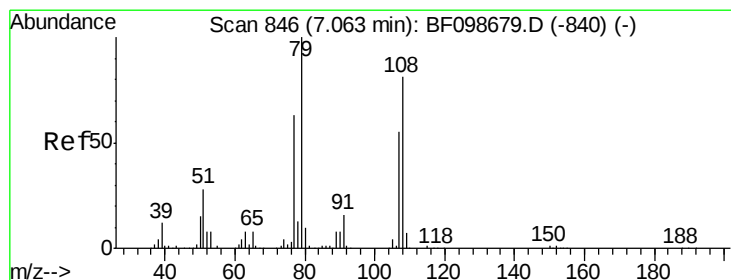
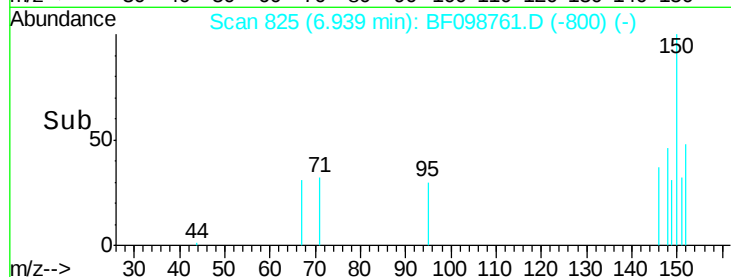
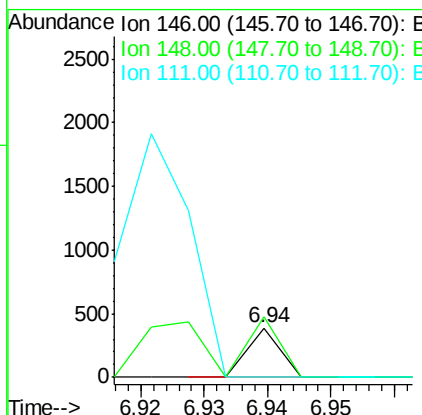
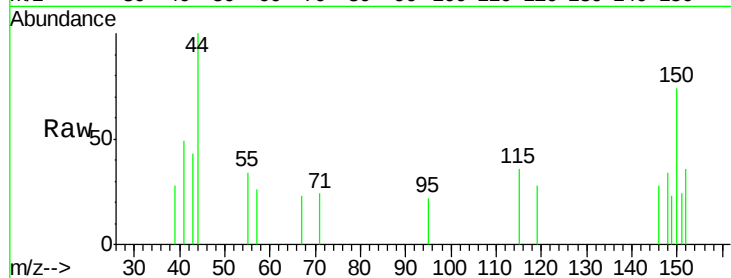




#14
 1,2-Dichlorobenzene
 Concen: 0.02 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.15 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

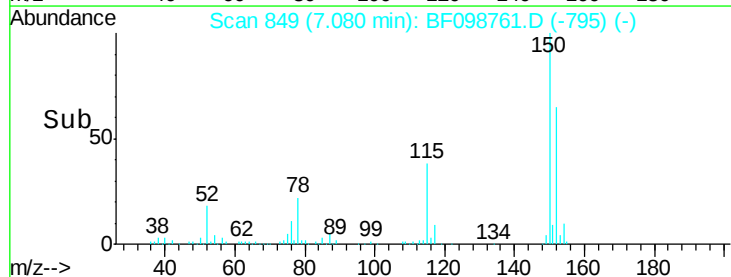
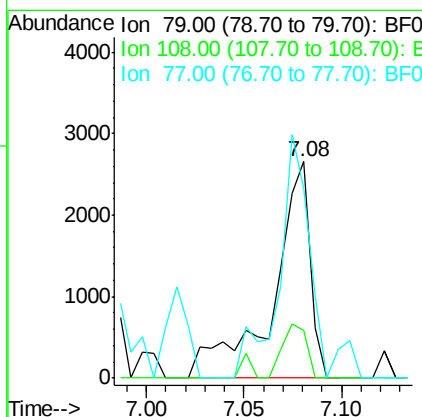
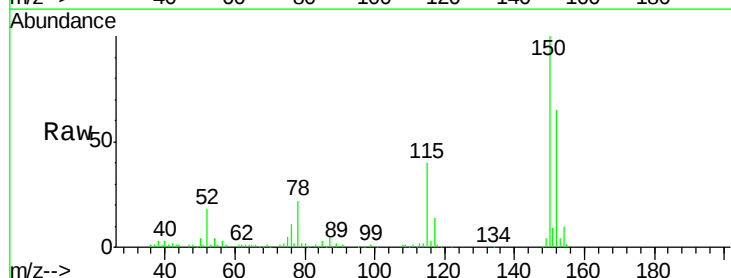
Instrument :
 BNA_F
 ClientSampled :

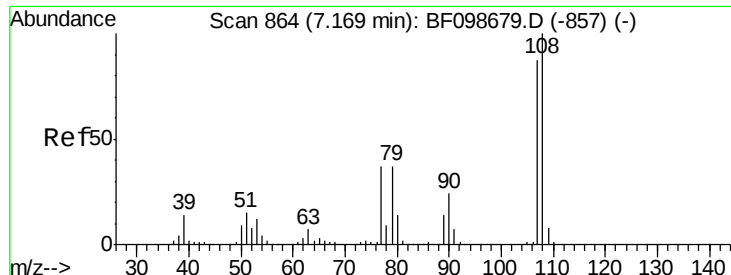
Tot Ion:146 Resp: 137
 Ion Ratio Lower Upper
 146 100
 148 123.5 50.6 75.8#
 111 0.0 36.0 54.0#



#15
 Benzyl Alcohol
 Concen: 0.48 ng
 RT: 7.08 min Scan# 849
 Delta R.T. 0.02 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Tgt Ion: 79 Resp: 3519
 Ion Ratio Lower Upper
 79 100
 108 22.4 65.1 97.7#
 77 87.7 50.6 75.8#

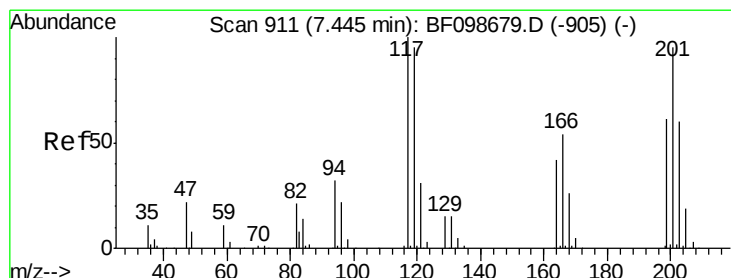
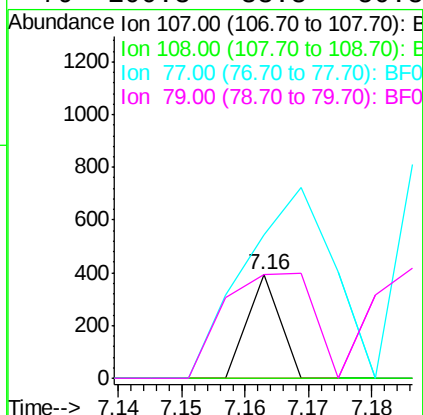
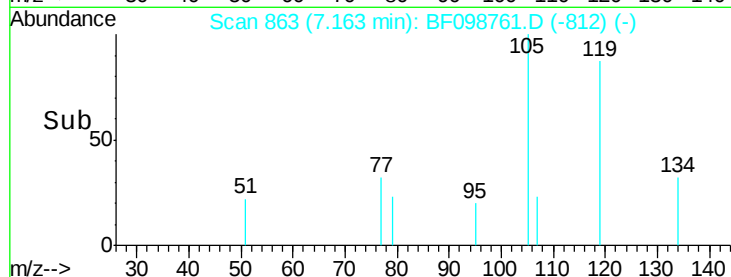
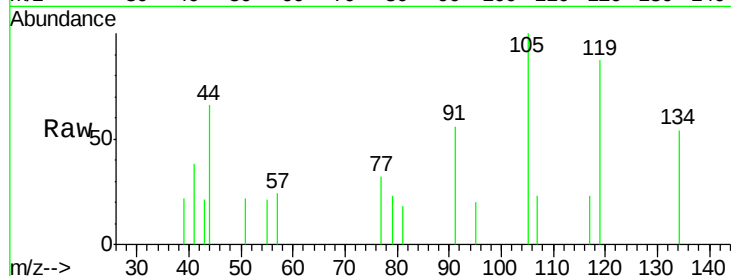




#17
2-Methylphenol
Concen: 0.02 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

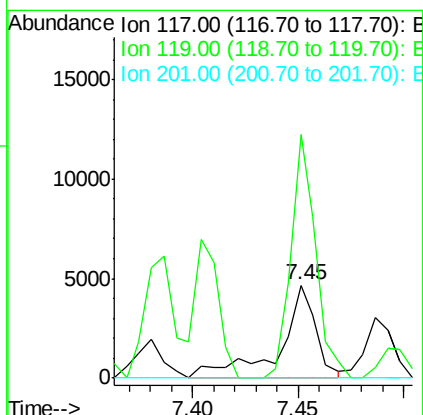
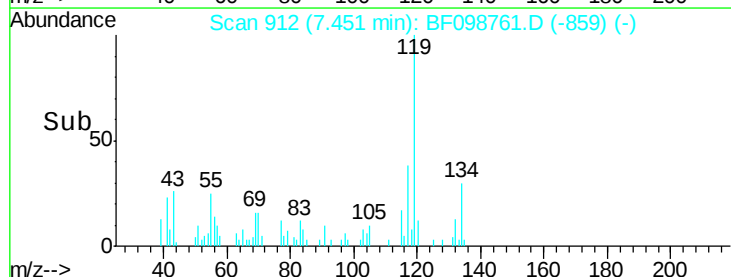
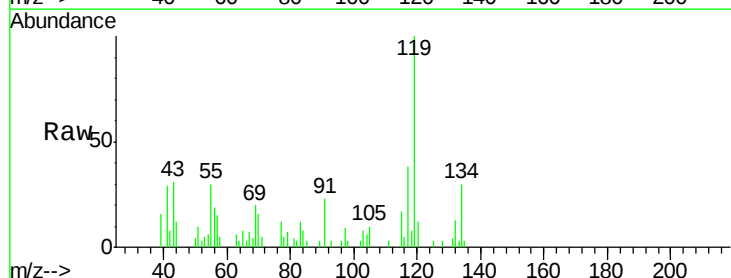
Instrument :
BNA_F
ClientSampleId :

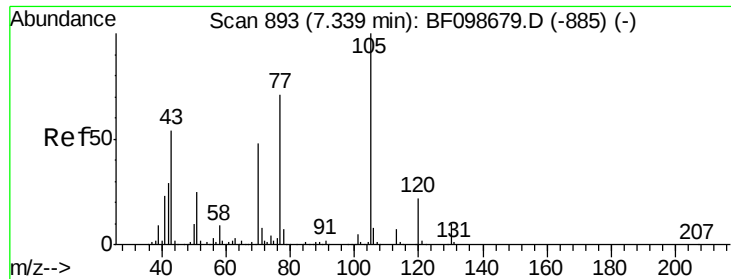
Tot Ion:107 Resp: 139
Ion Ratio Lower Upper
107 100
108 0.0 91.7 137.5#
77 138.9 33.8 50.8#
79 100.3 33.8 50.8#



#18
Hexachloroethane
Concen: 1.61 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:117 Resp: 5643
Ion Ratio Lower Upper
117 100
119 262.0 75.8 113.8#
201 0.0 75.7 113.5#

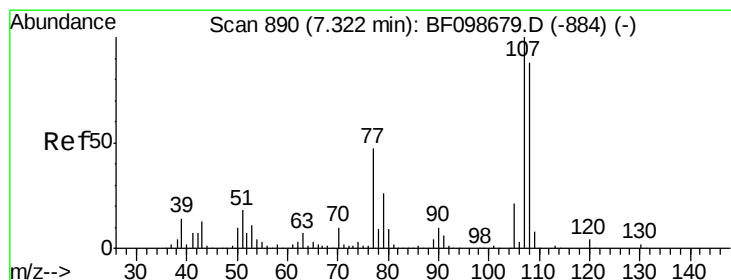
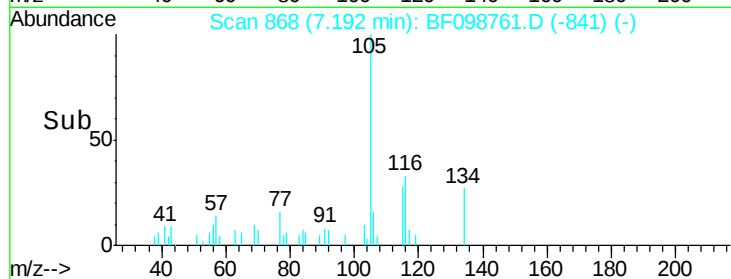
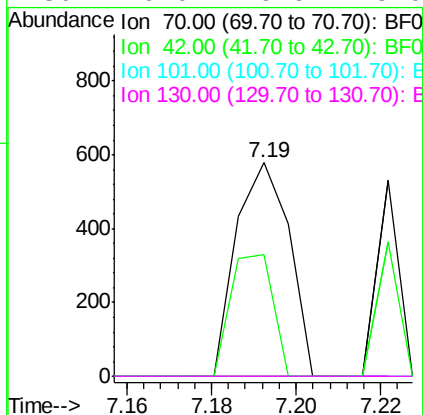
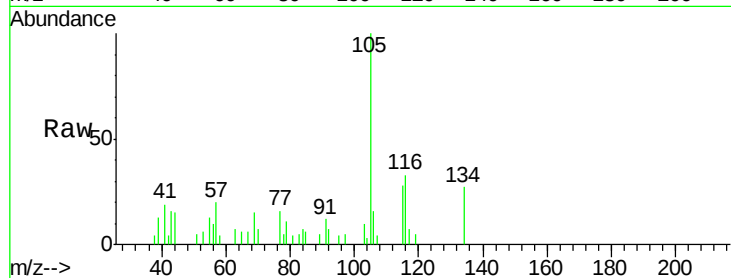




#19
n-Nitroso-di-n-propylamine
Concen: 0.08 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.14 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

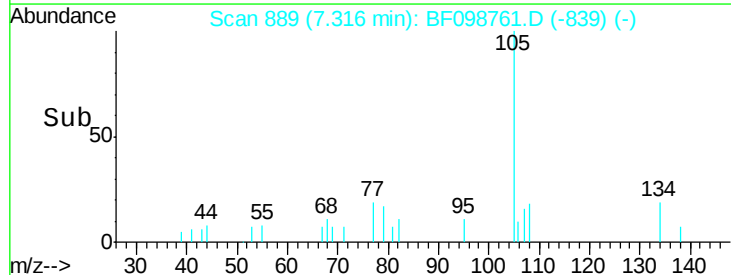
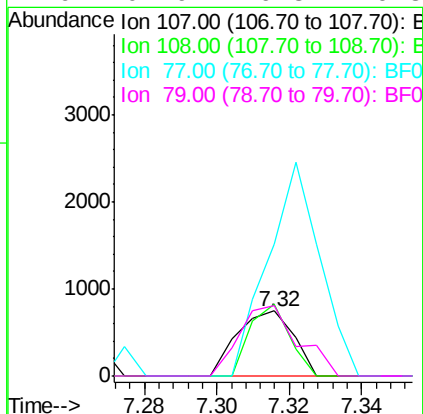
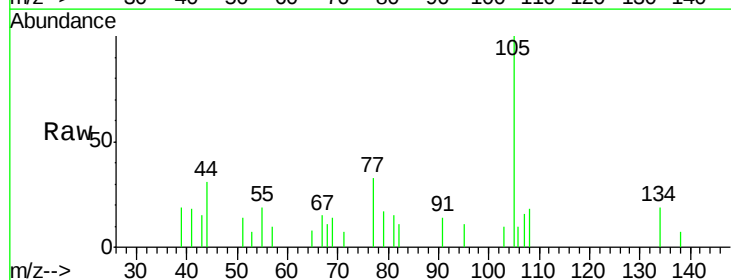
Instrument :
BNA_F
ClientSampleId :

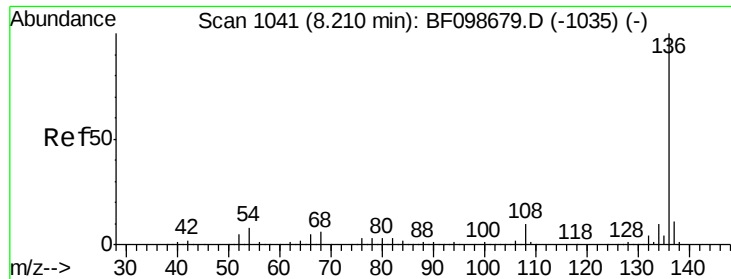
Tot Ion:	70	Resp:	503
Ion	Ratio	Lower	Upper
70	100		
42	57.2	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



#20
3+4-Methylphenols
Concen: 0.08 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:	107	Resp:	798
Ion	Ratio	Lower	Upper
107	100		
108	110.6	68.2	108.2#
77	202.6	26.7	66.7#
79	107.9	6.3	46.3#

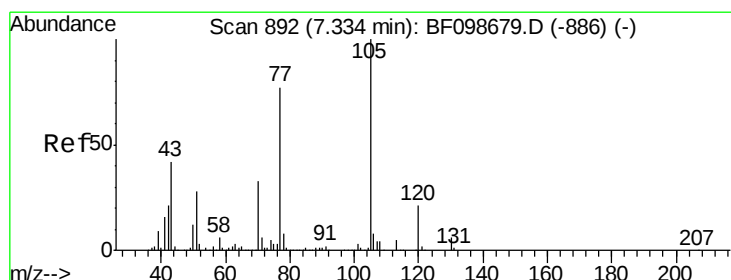
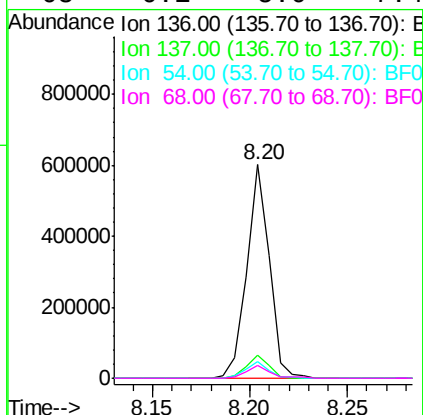
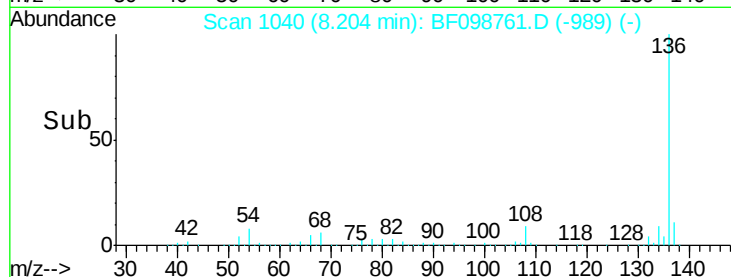
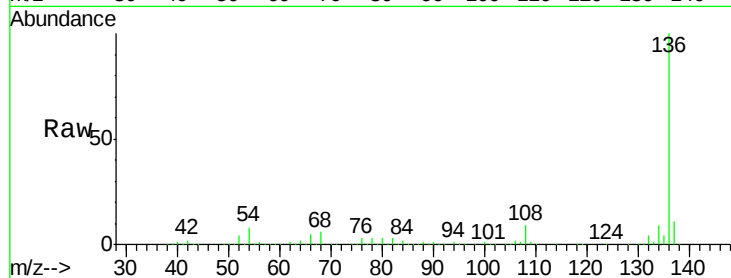




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

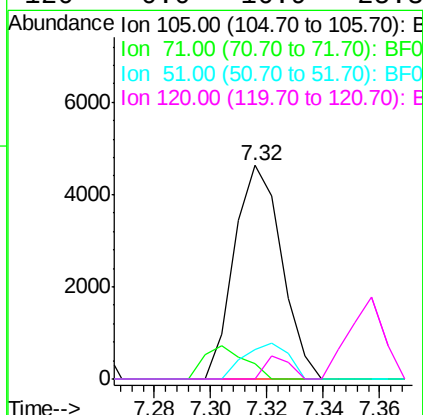
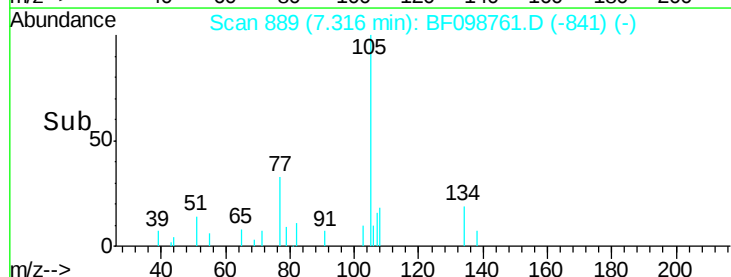
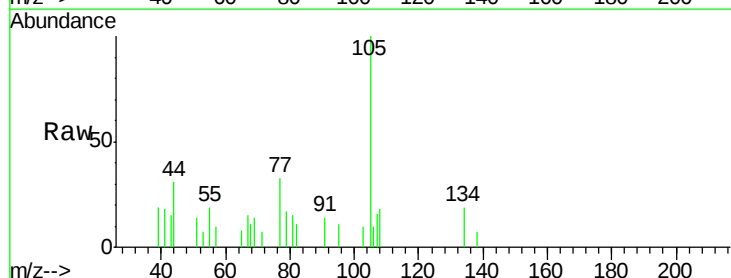
Instrument :
BNA_F
ClientSampled :

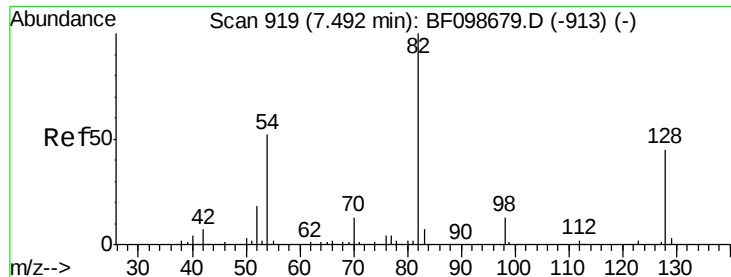
Tot Ion:136	Resp:	480913
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.1	6.6 9.8
68	6.1	5.0 7.4



#22
Acetophenone
Concen: 0.46 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.02 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:105	Resp:	5393
Ion Ratio	Lower	Upper
105	100	
71	7.4	4.4 6.6#
51	13.6	22.3 33.5#
120	0.0	16.9 25.3#

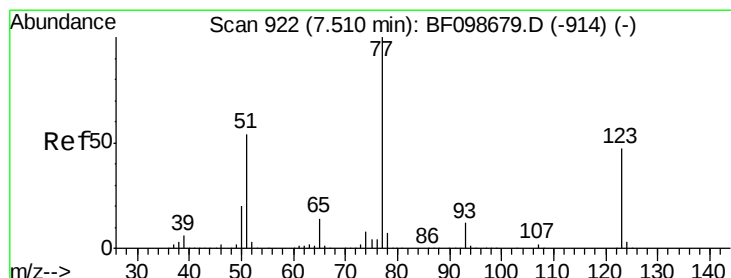
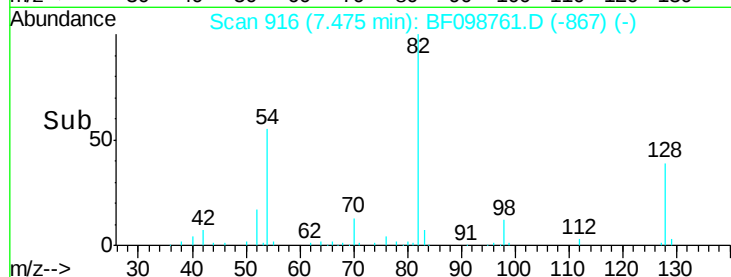
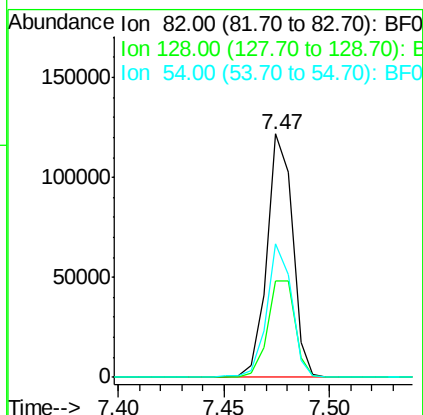
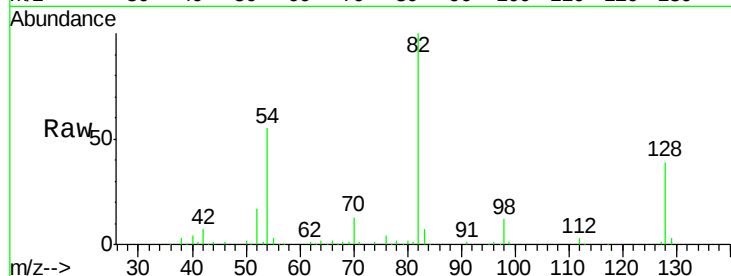




#23
 Nitrobenzene-d5
 Concen: 13.74 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

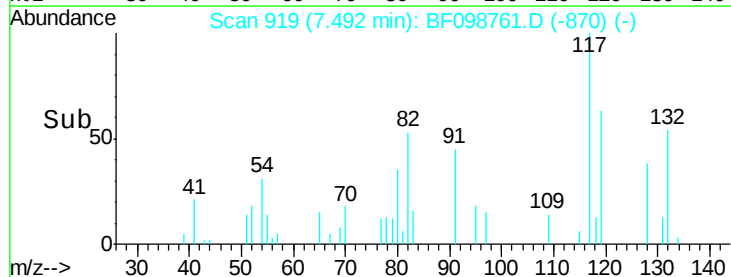
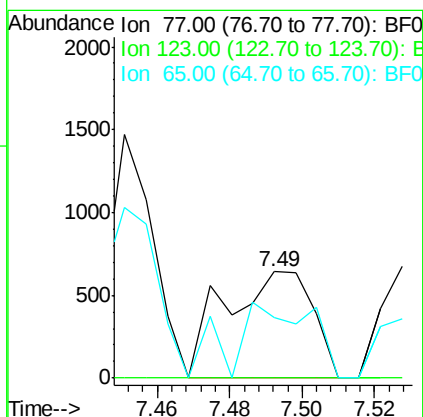
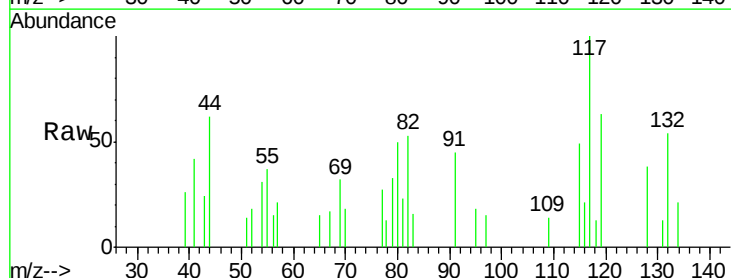
Instrument :
 BNA_F
 ClientSampleID :

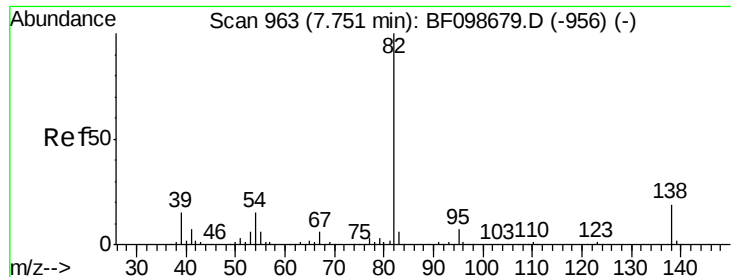
Tot Ion: 82 Resp: 103066
 Ion Ratio Lower Upper
 82 100
 128 39.5 36.1 54.1
 54 54.6 41.4 62.2



#24
 Nitrobenzene
 Concen: 0.13 ng
 RT: 7.49 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Tgt Ion: 77 Resp: 1080
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 57.2 11.0 16.4#





#25

Isophorone

Concen: 6.61 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

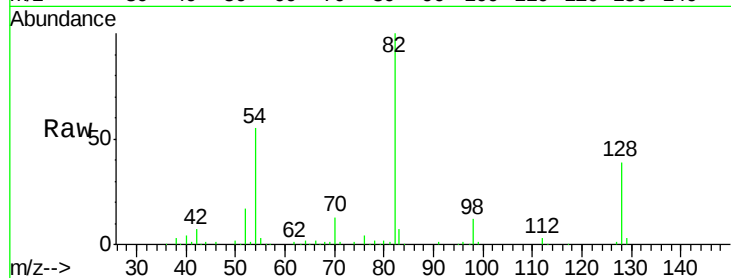
Tot Ion: 82 Resp: 102513

Ion Ratio Lower Upper

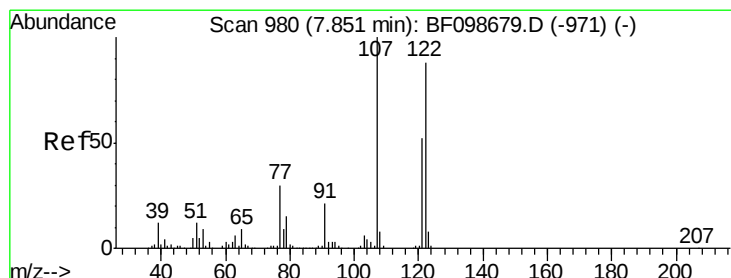
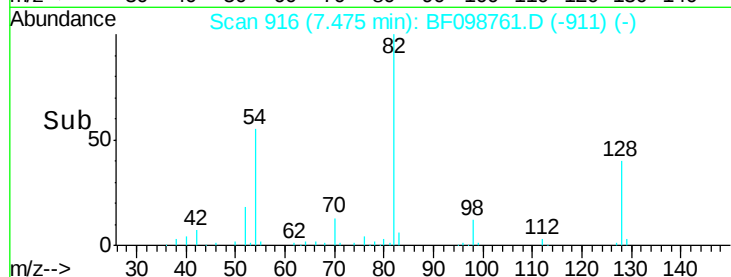
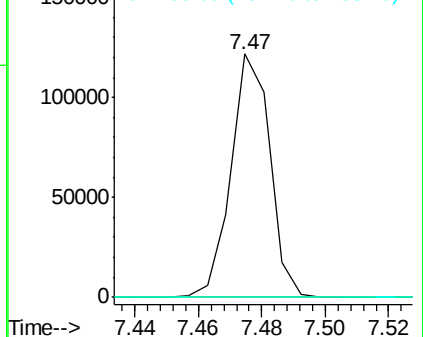
82 100

95 0.4 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#27

2,4-Dimethylphenol

Concen: 0.03 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

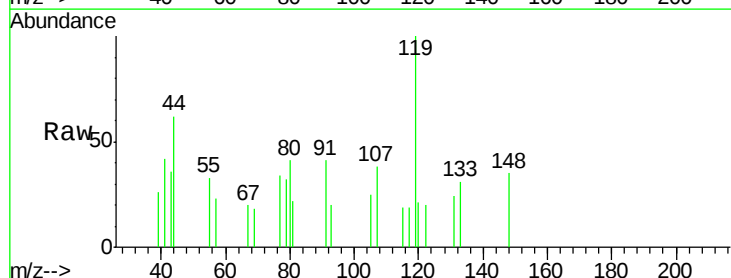
Tgt Ion: 122 Resp: 238

Ion Ratio Lower Upper

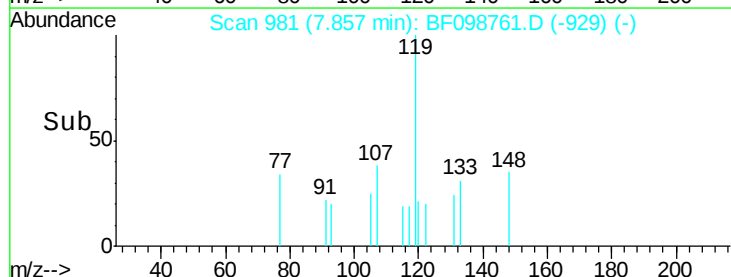
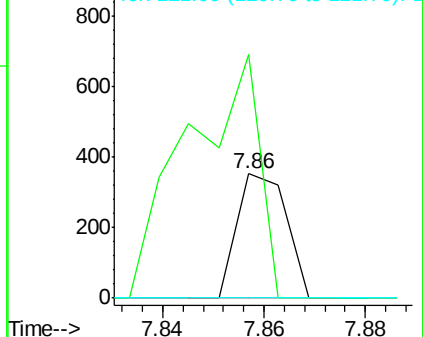
122 100

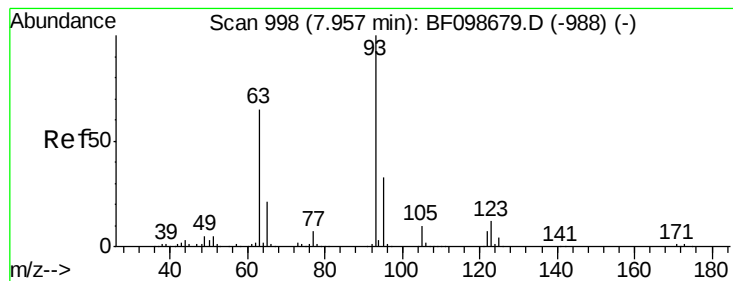
107 196.0 91.2 136.8#

121 0.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 0.08 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampled :

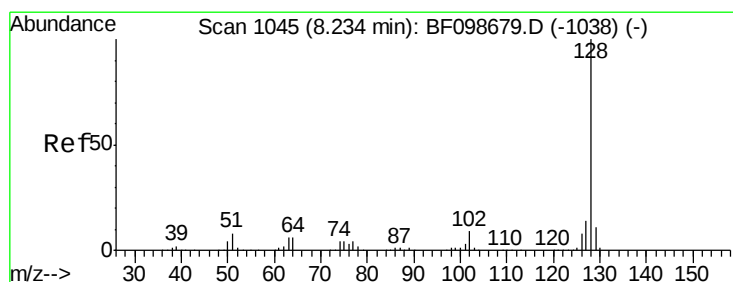
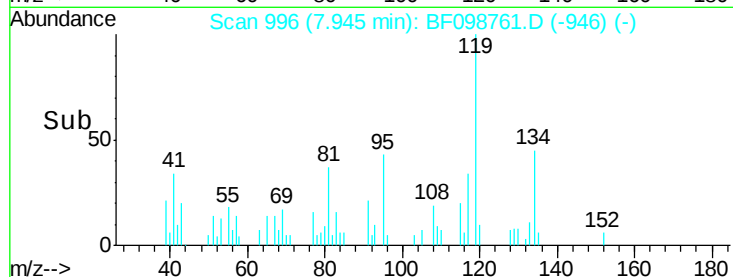
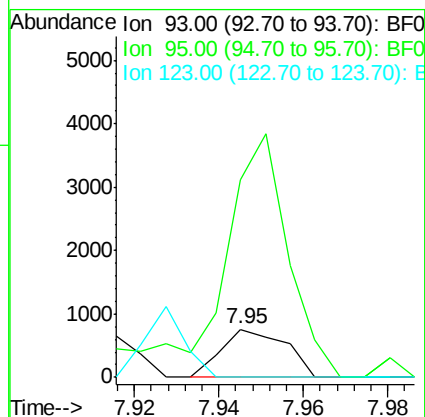
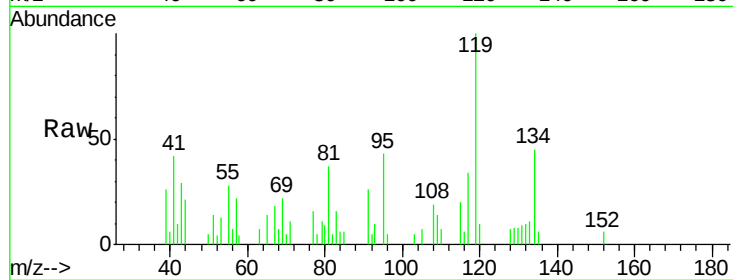
Tot Ion: 93 Resp: 802

Ion Ratio Lower Upper

93 100

95 411.9 26.3 39.5#

123 0.0 9.8 14.6#



#31

Naphthalene

Concen: 8.87 ng

RT: 8.23 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

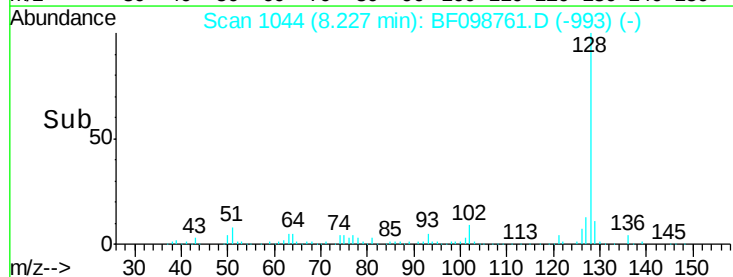
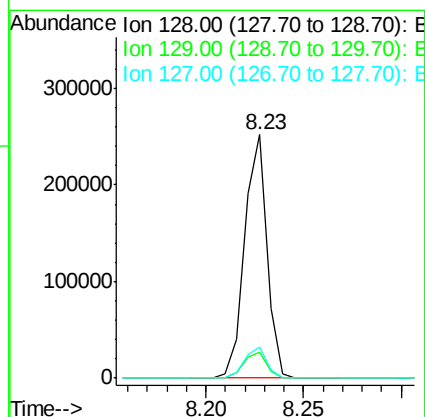
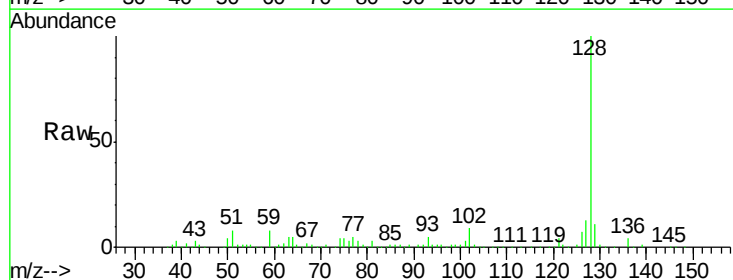
Tgt Ion: 128 Resp: 200274

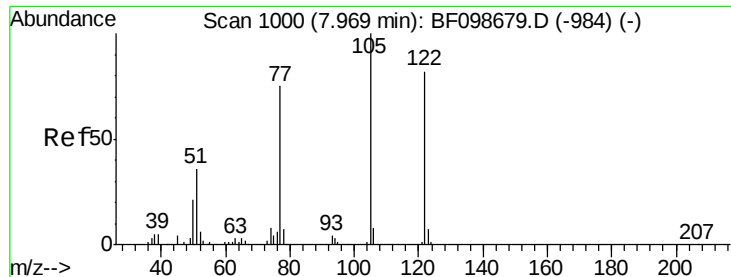
Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.0 10.9 16.3





#32

Benzoic acid

Concen: 0.02 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF098761.D

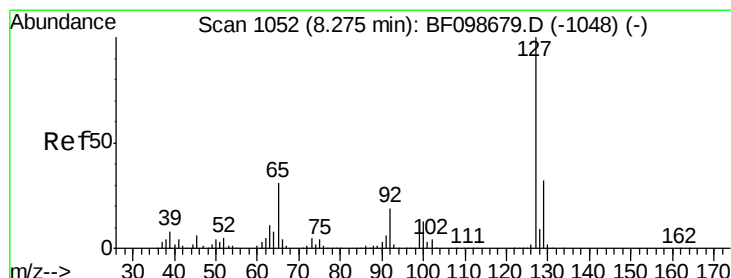
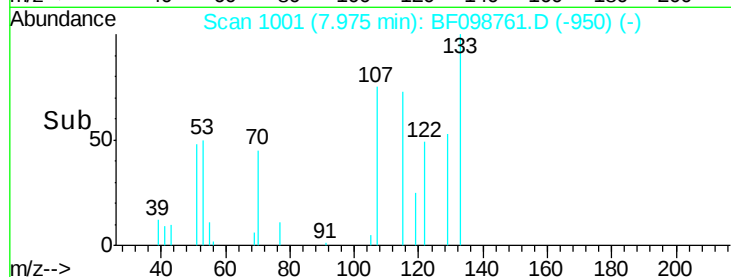
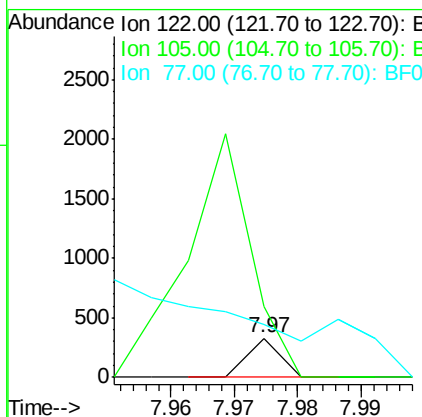
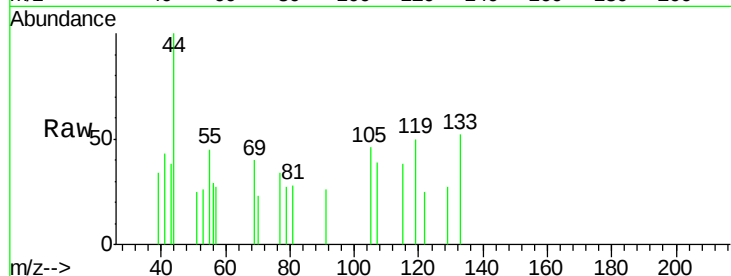
Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	182.4	101.1	141.1#
77	136.2	70.7	110.7#



#33

4-Chloroaniline

Concen: 2.69 ng

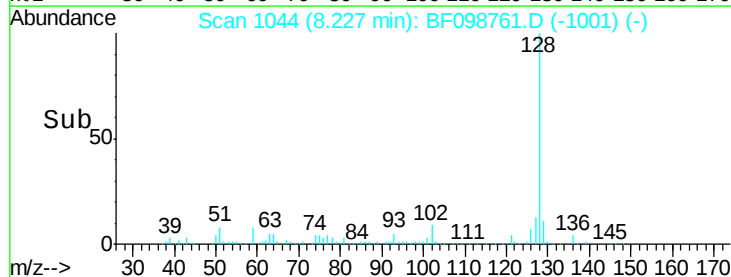
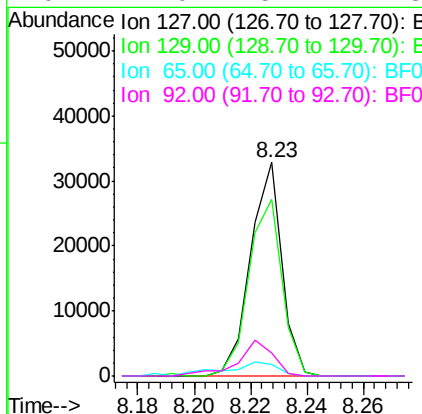
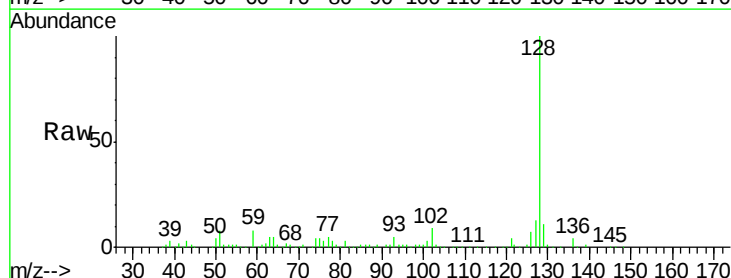
RT: 8.23 min Scan# 1044

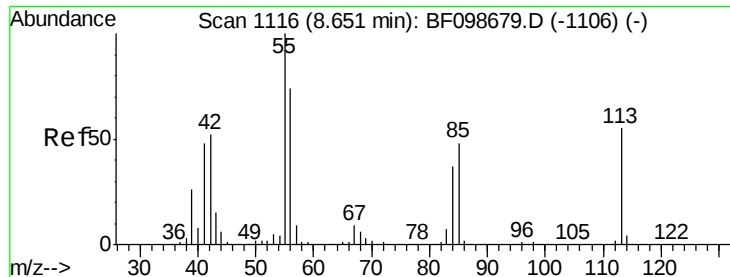
Delta R.T. -0.05 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
127	100		
129	82.8	25.9	38.9#
65	5.2	25.0	37.4#
92	11.0	15.2	22.8#





#35

Caprolactam

Concen: 0.15 ng

RT: 8.62 min Scan# 1110

Delta R.T. -0.04 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampled :

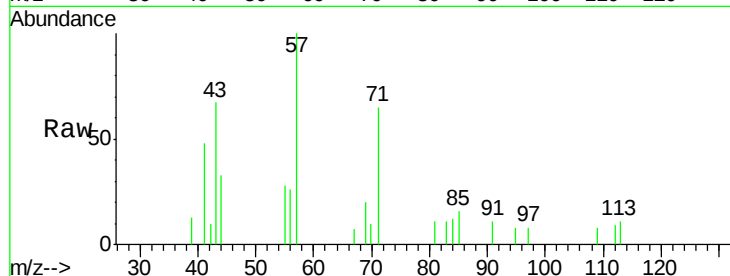
Tot Ion:113 Resp: 313

Ion Ratio Lower Upper

113 100

55 268.9 163.3 203.3#

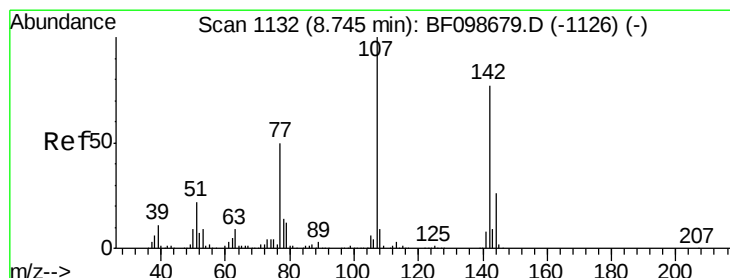
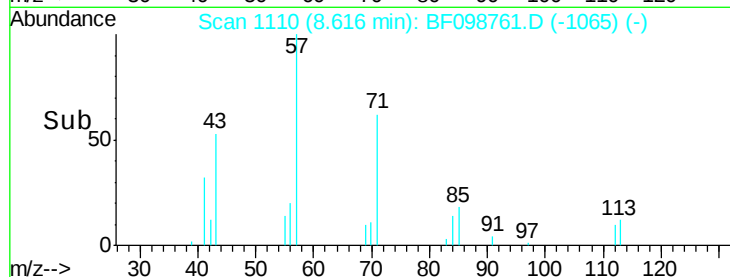
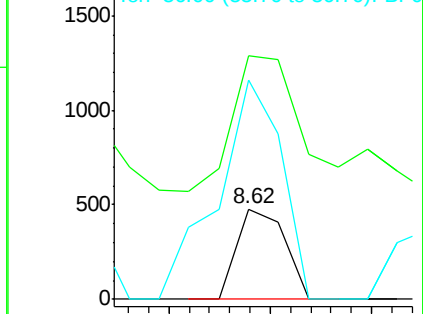
56 242.2 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 0.03 ng

RT: 8.66 min Scan# 1118

Delta R.T. -0.08 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

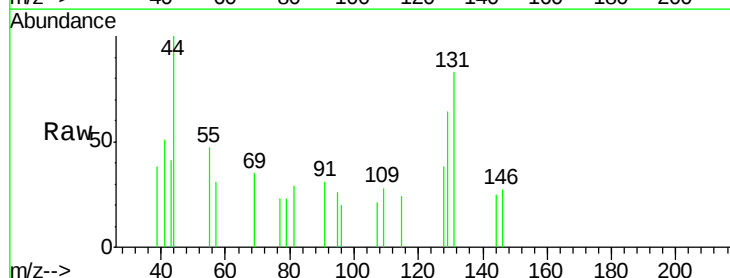
Tgt Ion:107 Resp: 223

Ion Ratio Lower Upper

107 100

144 116.9 20.5 30.7#

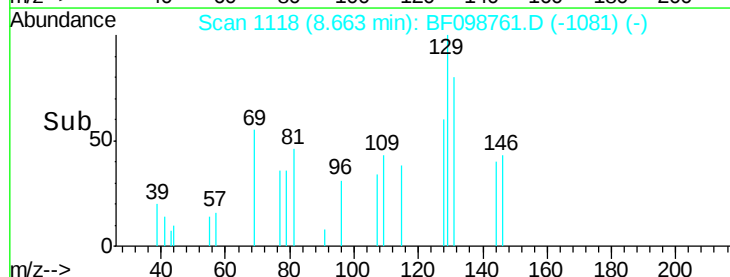
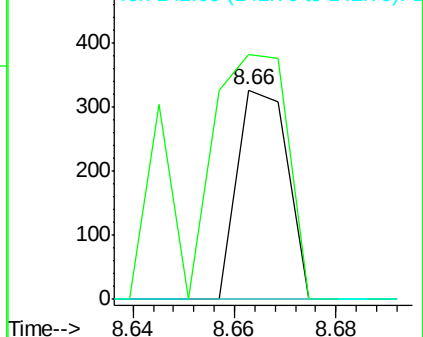
142 0.0 62.0 93.0#

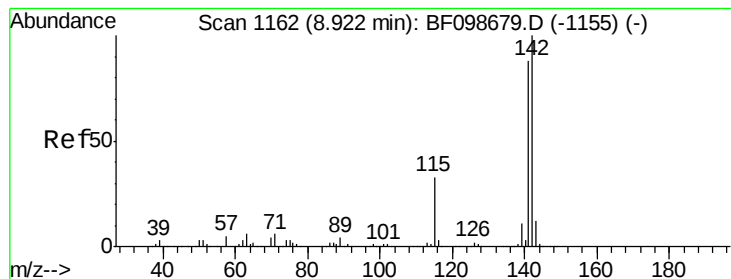


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 3.36 ng

RT: 8.92 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

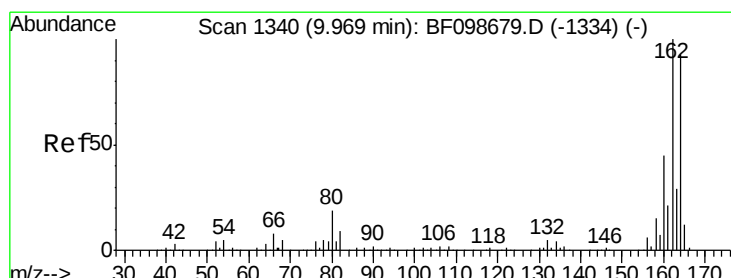
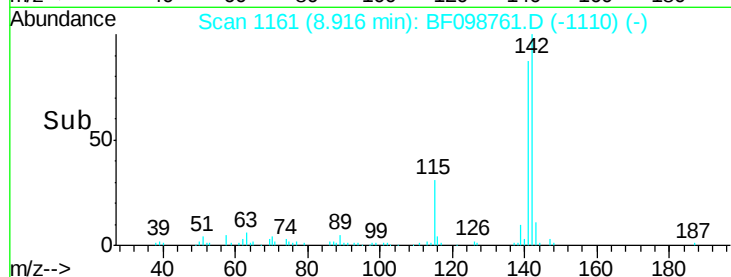
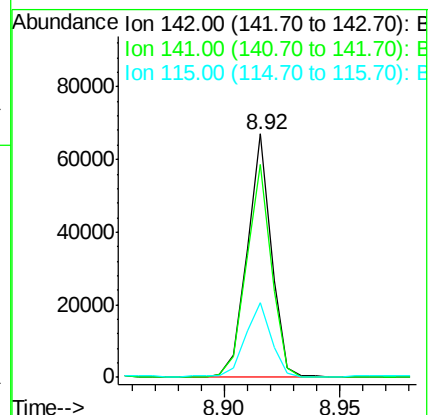
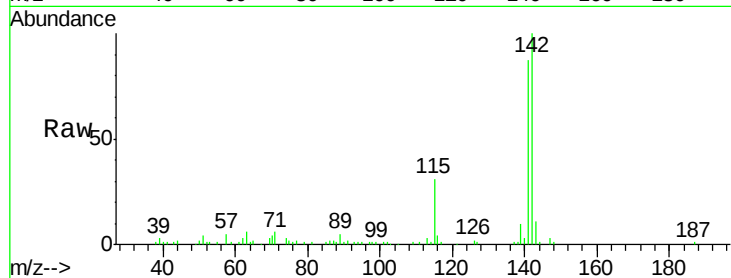
Tot Ion:142 Resp: 49295

Ion Ratio Lower Upper

142 100

141 87.4 70.8 106.2

115 30.8 26.1 39.1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

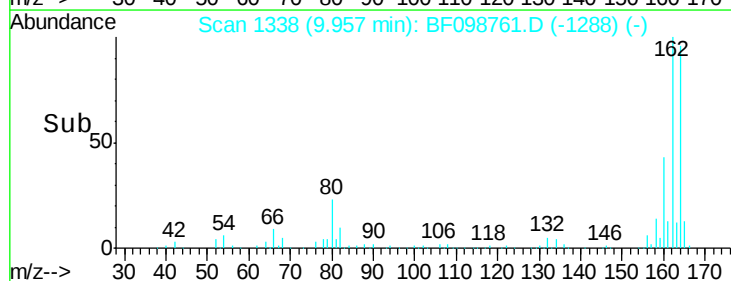
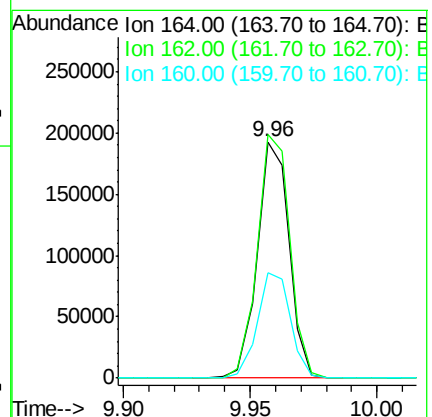
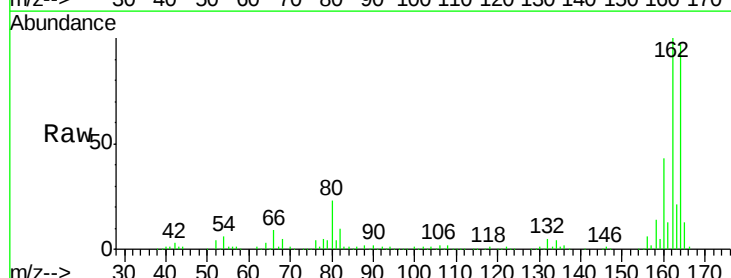
Tgt Ion:164 Resp: 168453

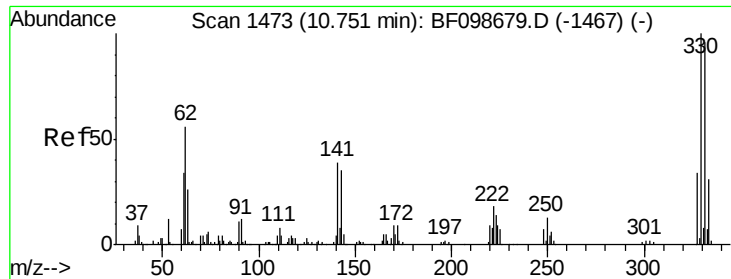
Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

160 44.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 16.64 ng

RT: 10.74 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

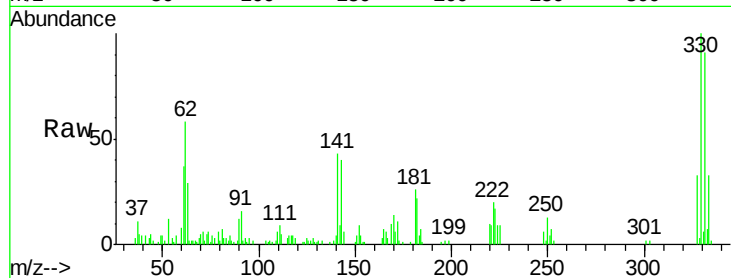
Tot Ion:330 Resp: 22936

Ion Ratio Lower Upper

330 100

332 93.0 77.0 115.6

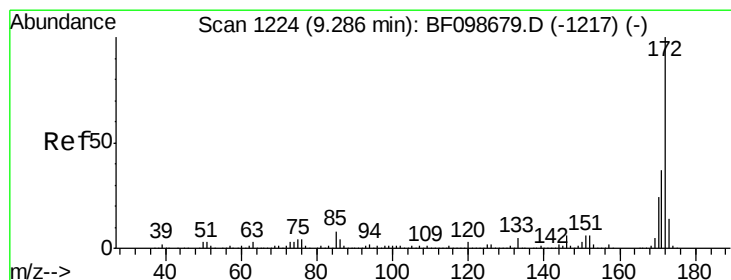
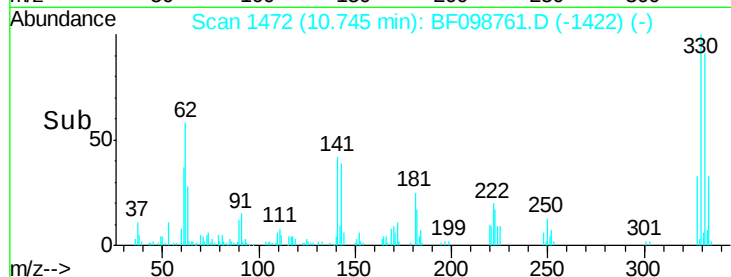
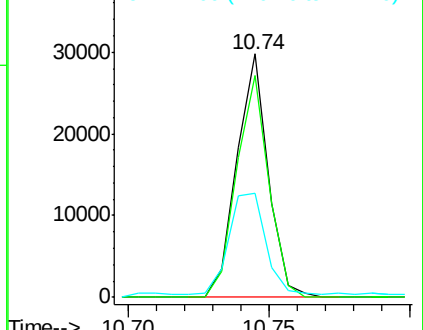
141 48.7 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 18.28 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

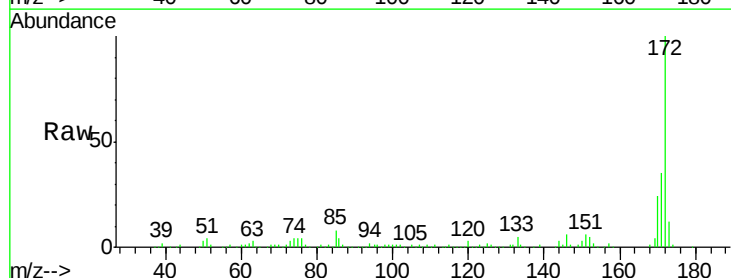
Tgt Ion:172 Resp: 184474

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

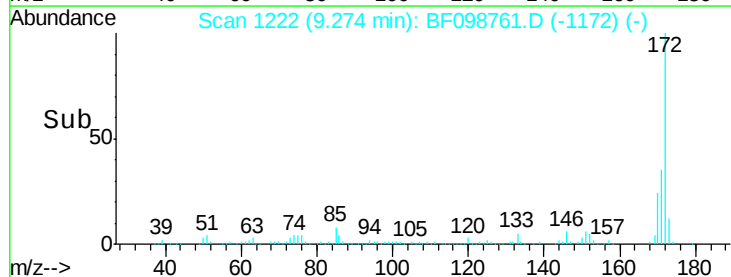
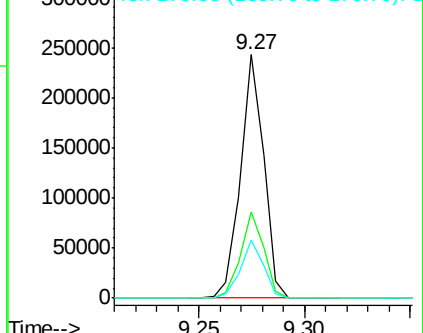
170 23.6 19.6 29.4

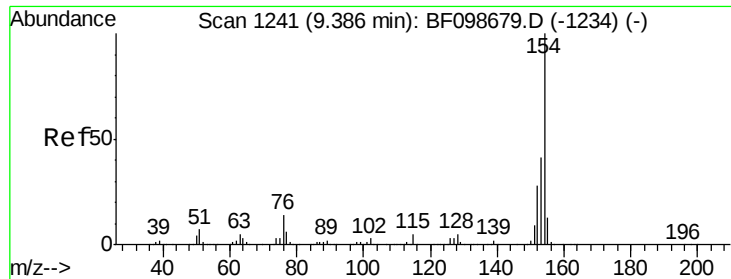


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

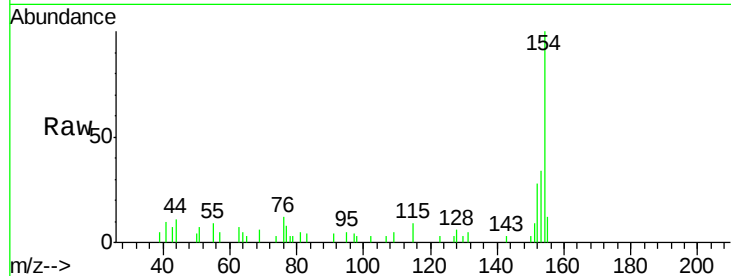




#45
 1,1'-Biphenyl
 Concen: 0.65 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	154	153	76
154	100		
153	34.3	21.3	61.3
76	12.3	0.0	34.0

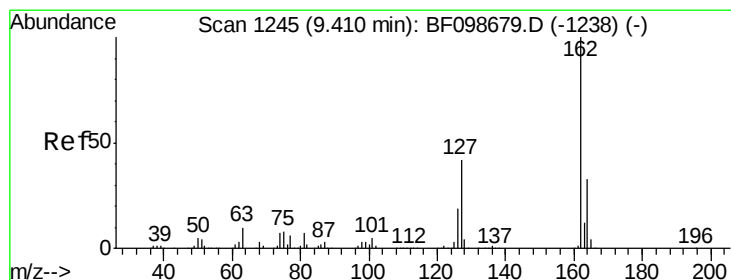
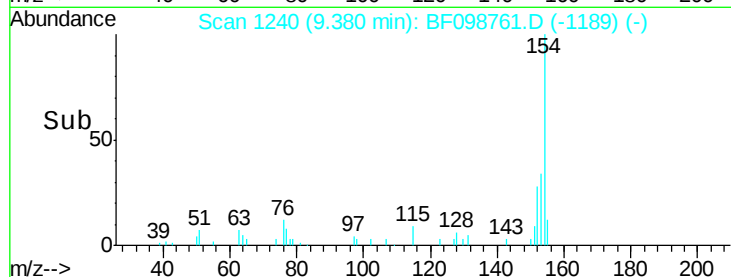
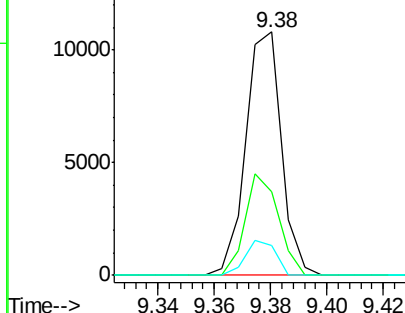


Abundance

Ion 154.00 (153.70 to 154.70): E

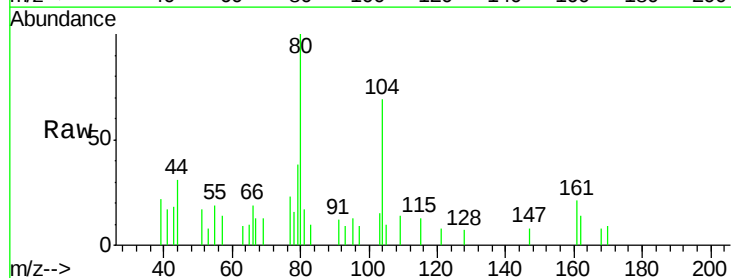
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#46
 2-Chloronaphthalene
 Concen: 0.03 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. 0.04 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Tgt Ion	162	127	164
162	100		
127	0.0	33.9	50.9#
164	0.0	26.5	39.7#

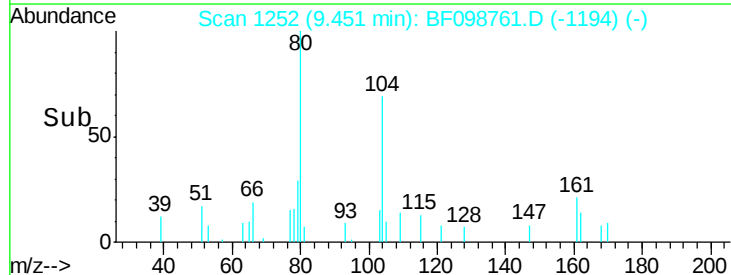
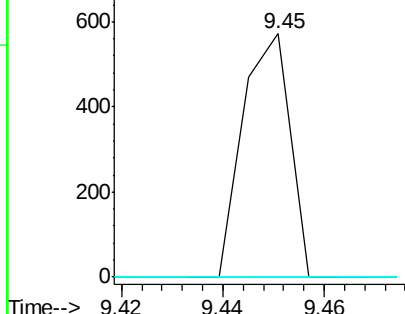


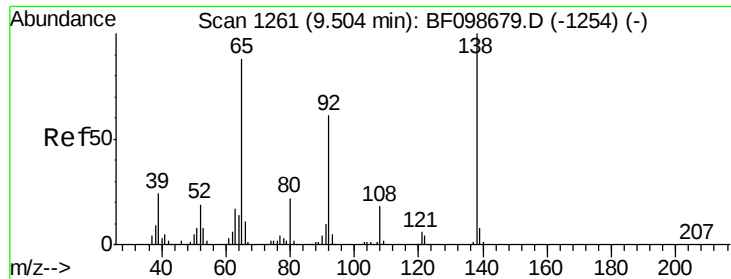
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 0.23 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.05 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

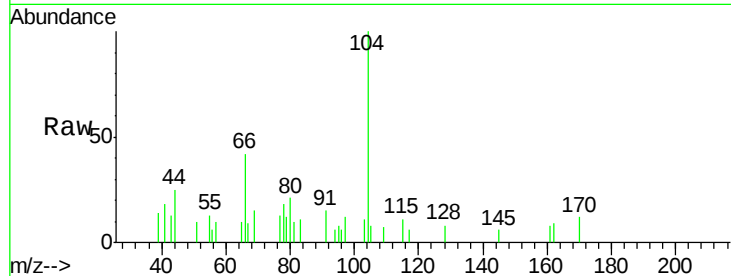
Tot Ion: 65 Resp: 752

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

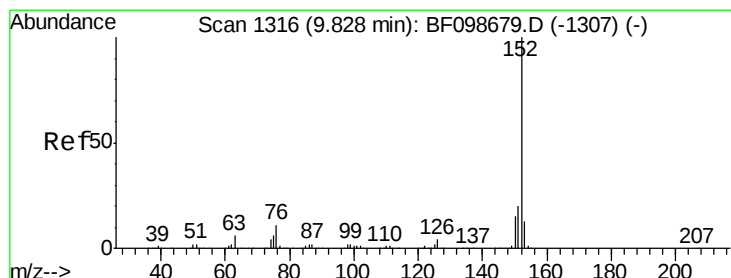
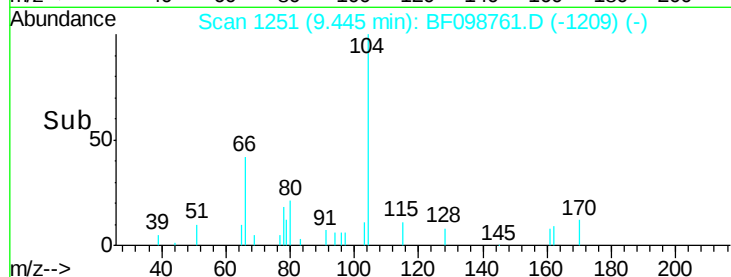
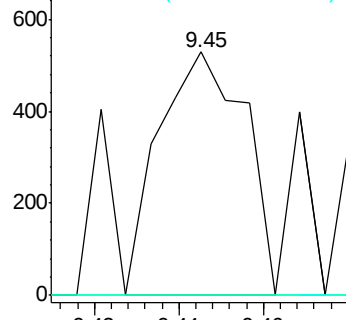
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 1.97 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

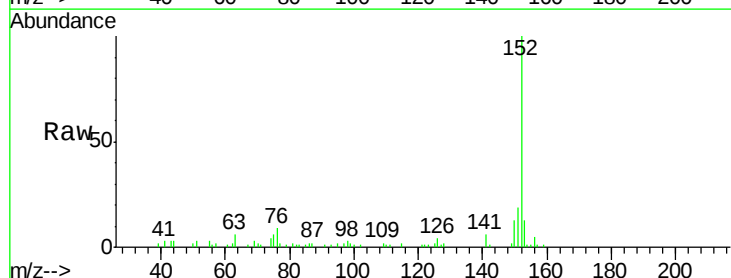
Tgt Ion:152 Resp: 32808

Ion Ratio Lower Upper

152 100

151 18.5 16.3 24.5

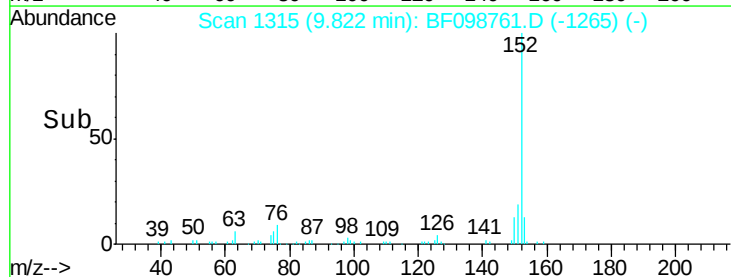
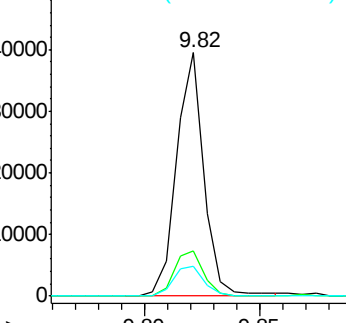
153 12.5 10.7 16.1

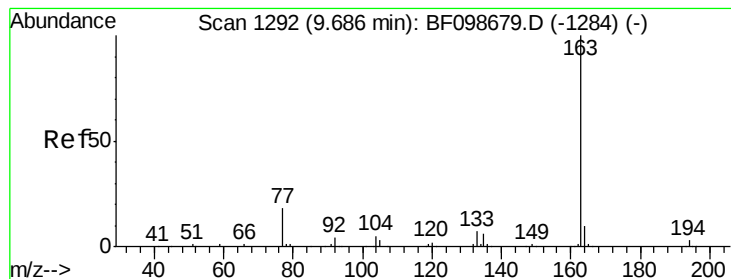


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 1.60 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

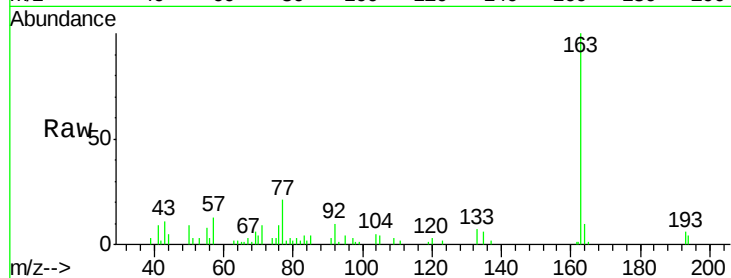
Tot Ion:163 Resp: 20344

Ion Ratio Lower Upper

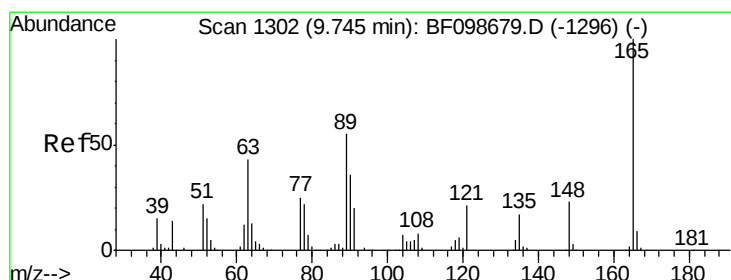
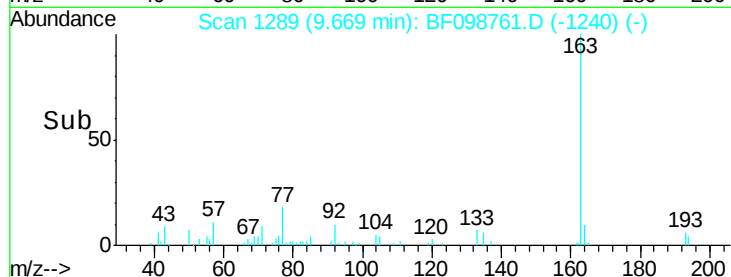
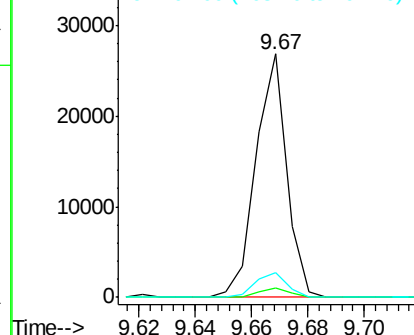
163 100

194 3.9 2.7 4.1

164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.52 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.22 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

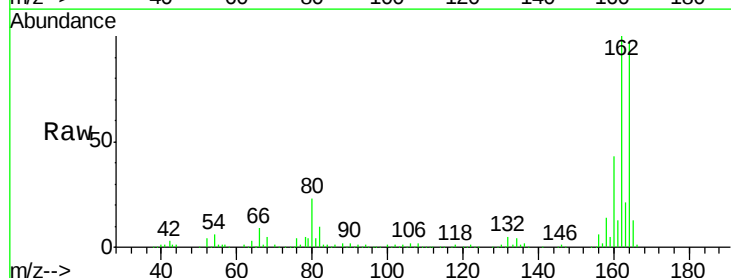
Tgt Ion:165 Resp: 23574

Ion Ratio Lower Upper

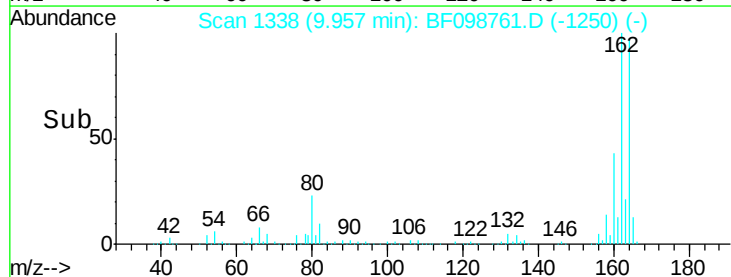
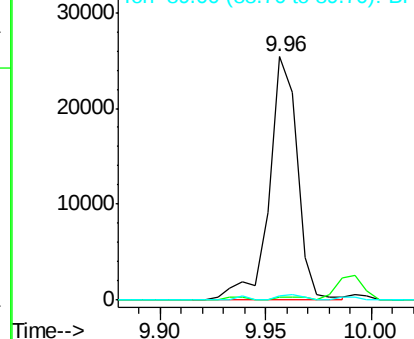
165 100

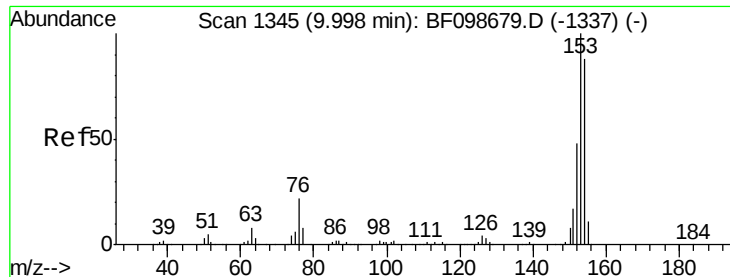
63 1.2 44.7 67.1#

89 1.5 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 2.36 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampled :

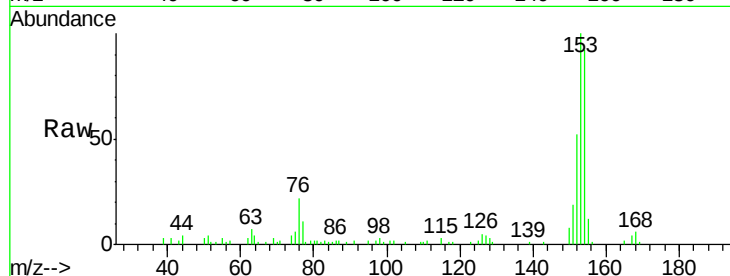
Tot Ion:154 Resp: 24910

Ion Ratio Lower Upper

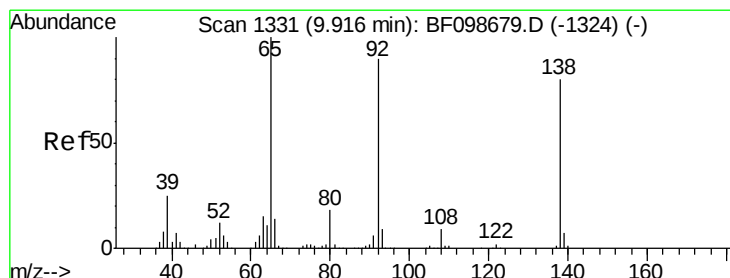
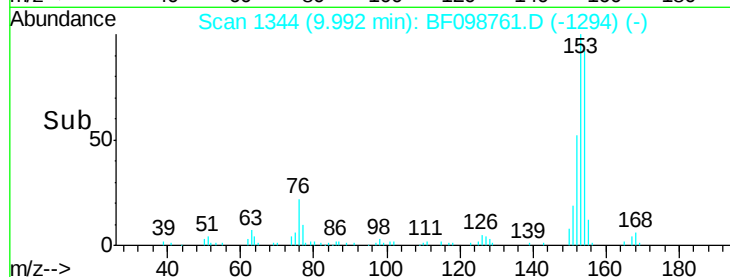
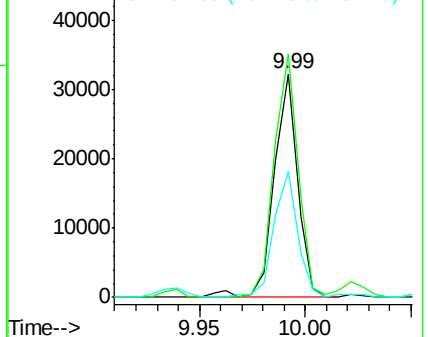
154 100

153 109.1 91.2 136.8

152 56.6 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.17 ng

RT: 10.16 min Scan# 1373

Delta R.T. 0.25 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

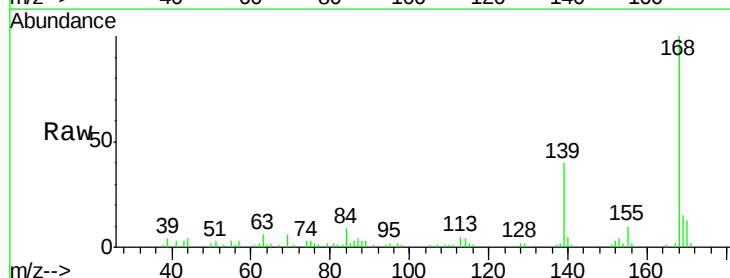
Tgt Ion:138 Resp: 544

Ion Ratio Lower Upper

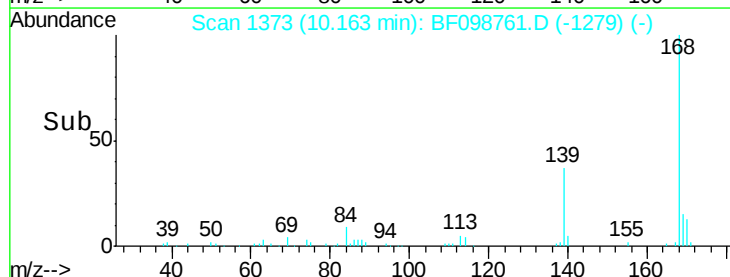
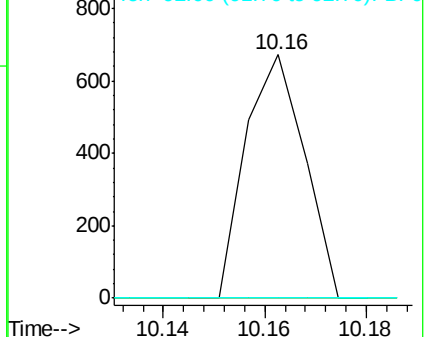
138 100

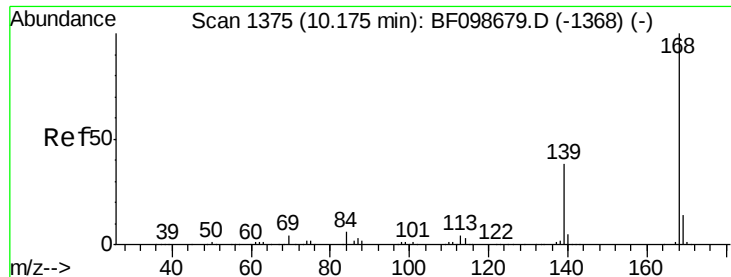
108 0.0 9.4 14.0#

92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

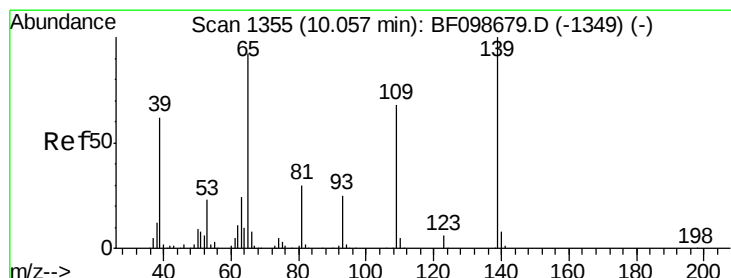
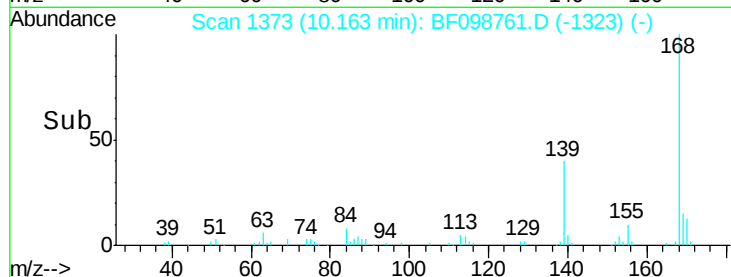
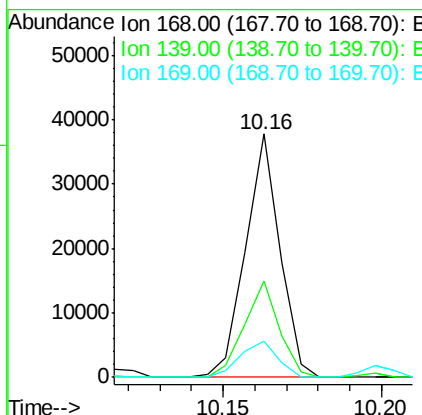
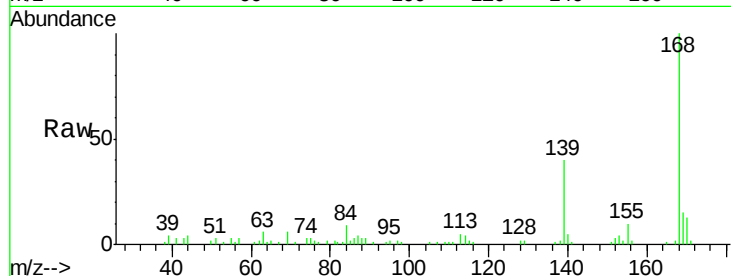




#54
Dibenzofuran
Concen: 2.02 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

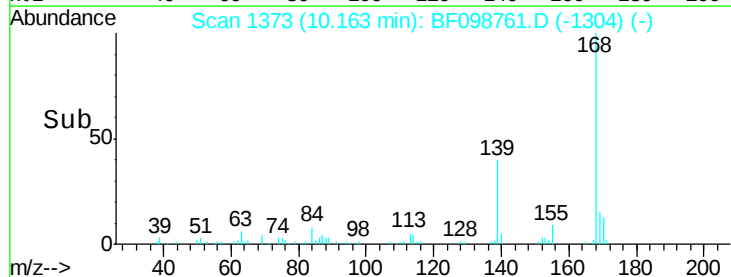
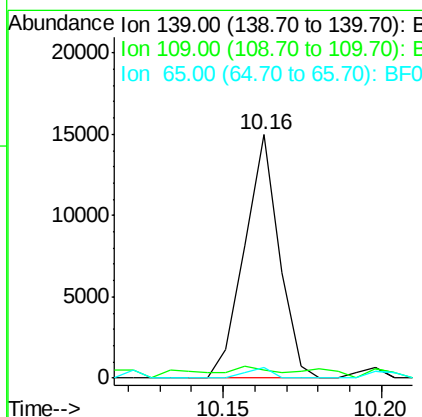
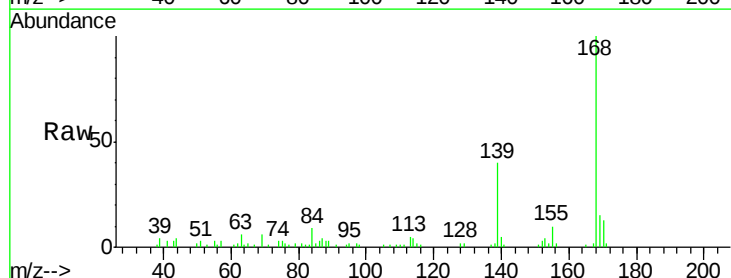
Instrument :
BNA_F
ClientSampleId :

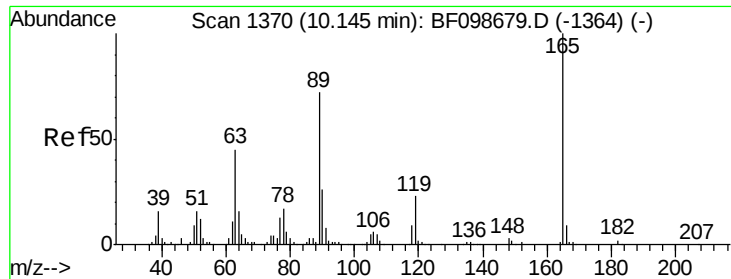
Tot Ion:168 Resp: 28354
Ion Ratio Lower Upper
168 100
139 39.6 30.1 45.1
169 14.8 10.9 16.3



#55
4-Nitrophenol
Concen: 4.15 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.11 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:139 Resp: 11338
Ion Ratio Lower Upper
139 100
109 3.5 48.4 88.4#
65 4.4 72.6 112.6#

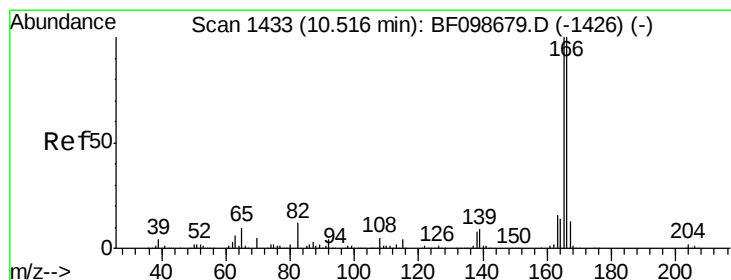
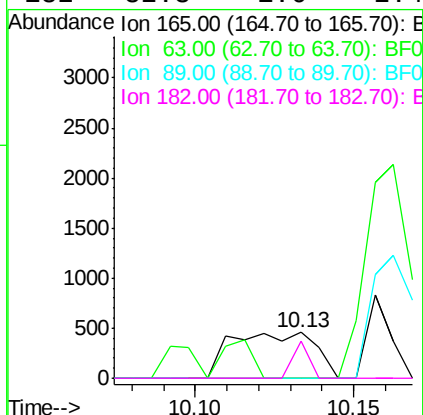
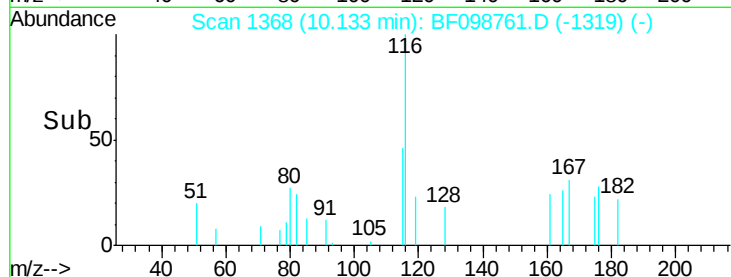
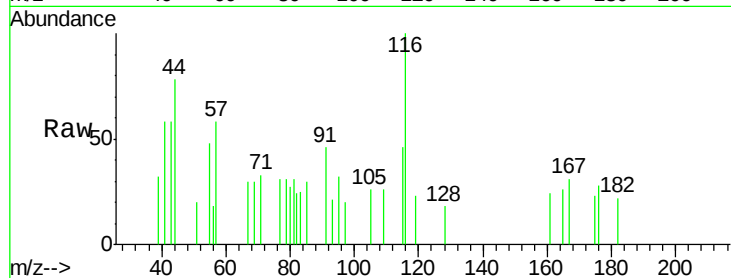




#56
2,4-Dinitrotoluene
Concen: 0.24 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

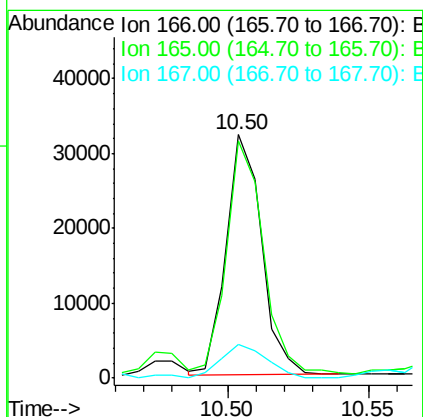
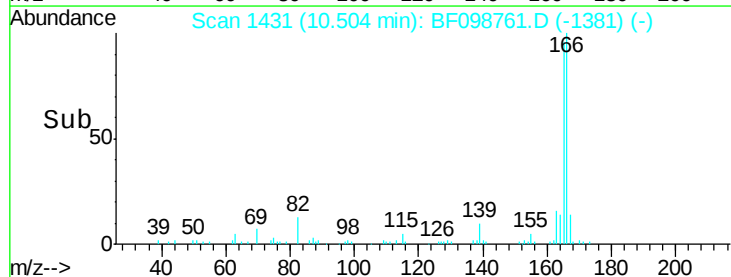
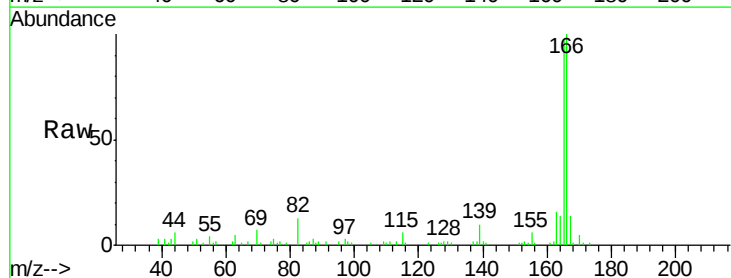
Instrument :
BNA_F
ClientSampleId :

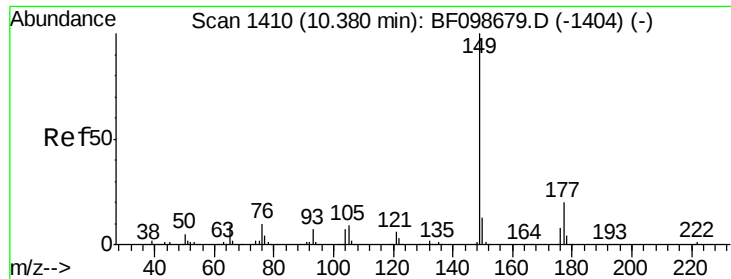
Tot Ion:165 Resp: 845
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 82.3 1.6 2.4#



#57
Fluorene
Concen: 2.49 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:166 Resp: 28113
Ion Ratio Lower Upper
166 100
165 97.3 79.8 119.8
167 13.7 10.6 16.0

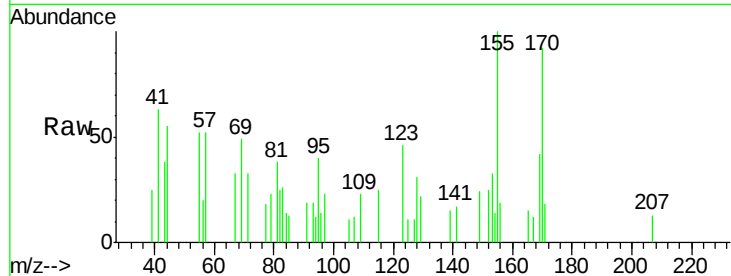




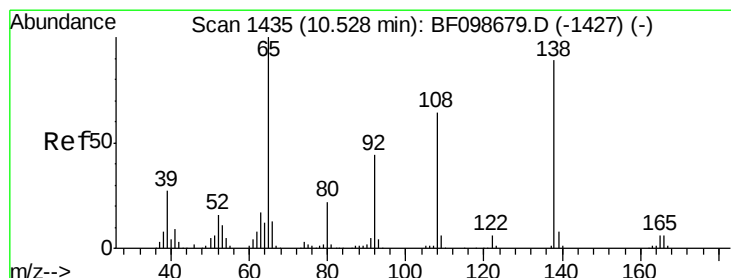
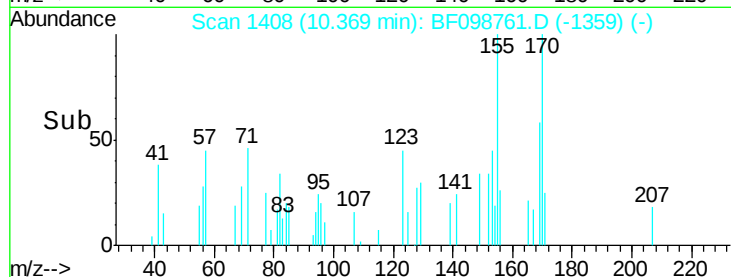
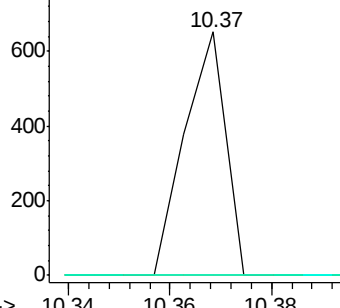
#59
Diethylphthalate
Concen: 0.03 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 364
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#

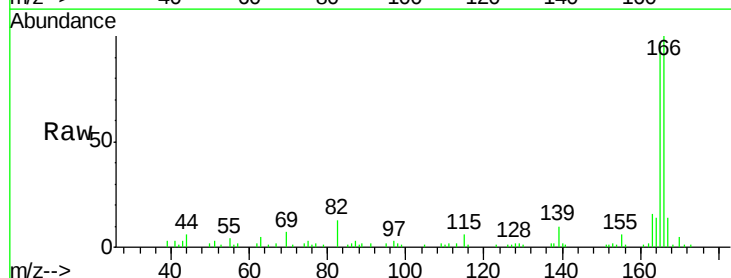


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

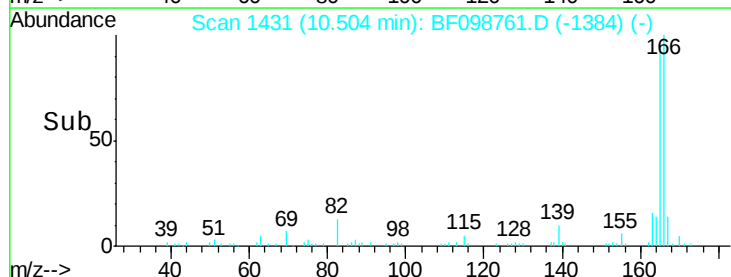
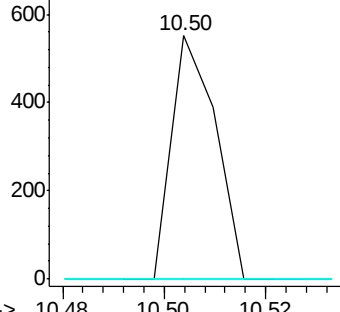


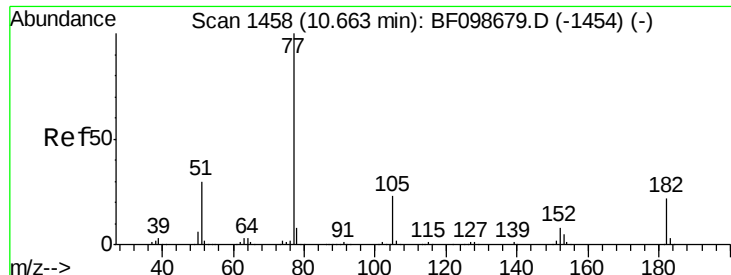
#61
4-Nitroaniline
Concen: 0.11 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:138 Resp: 332
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 0.07 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 770

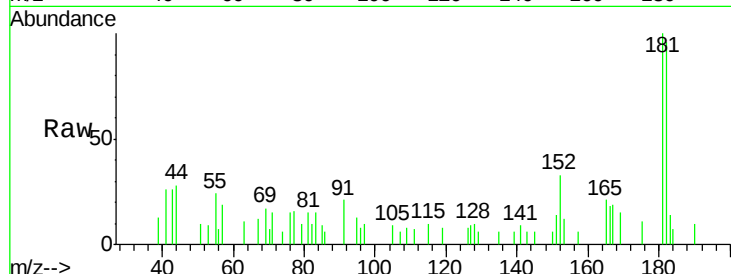
Ion Ratio Lower Upper

77 100

182 598.9 1.7 41.7#

105 53.3 3.0 43.0#

51 60.8 9.9 49.9#

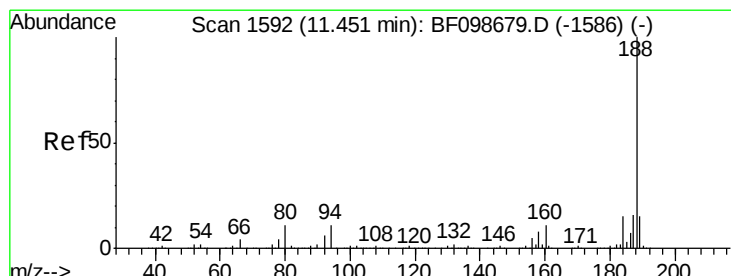
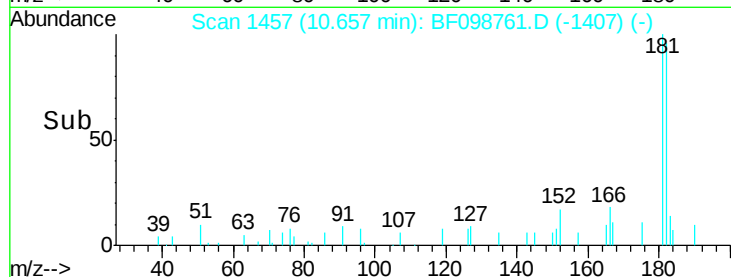
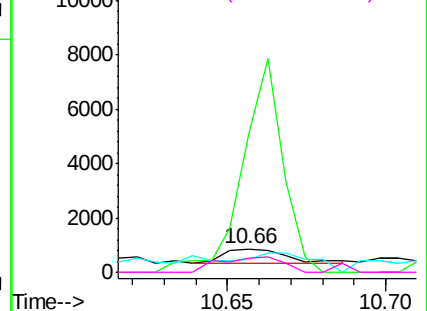


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

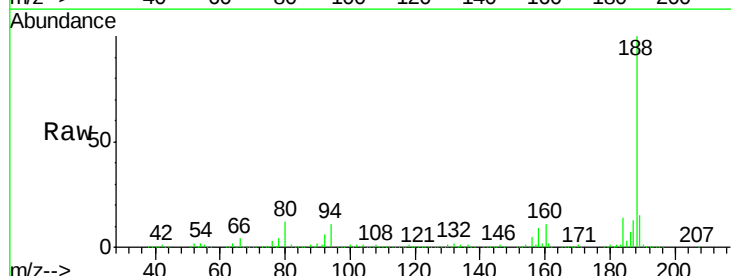
Tgt Ion: 188 Resp: 277054

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

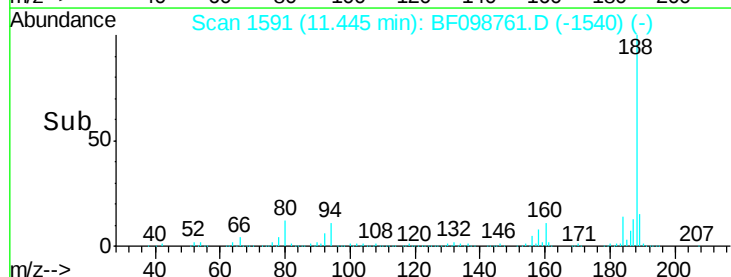
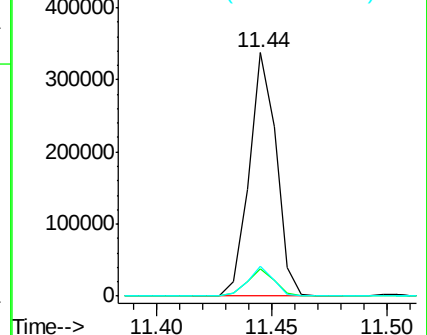
80 12.1 9.2 13.8

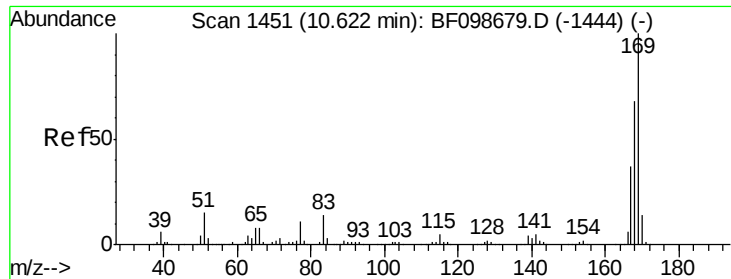


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

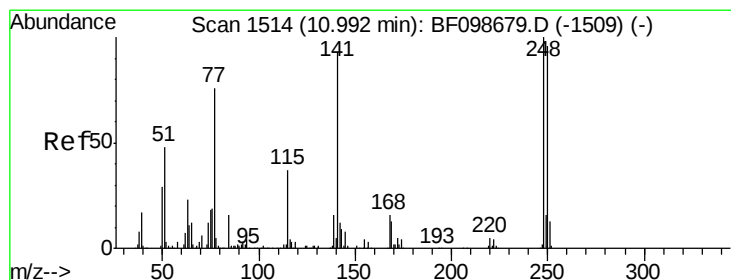
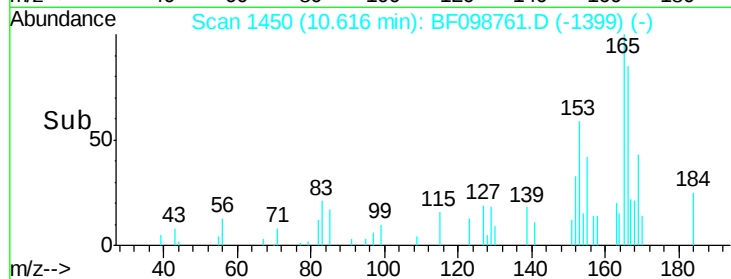
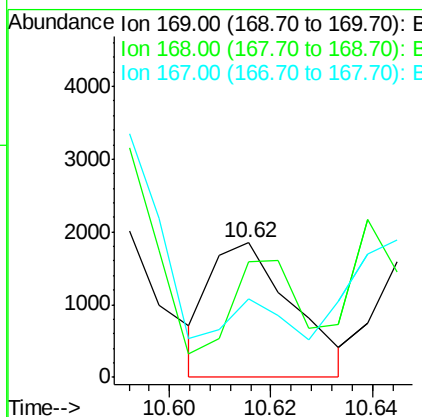
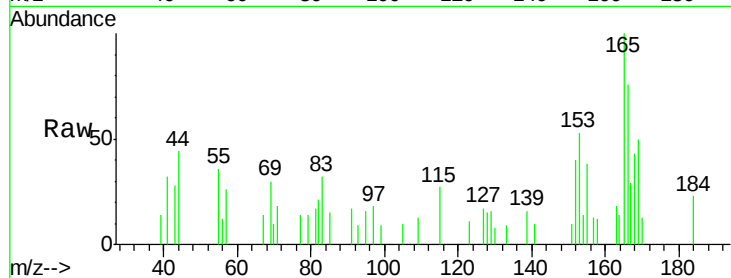




#65
n-Nitrosodiphenylamine
Concen: 0.22 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

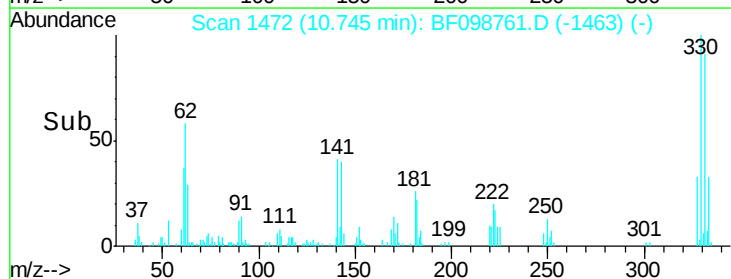
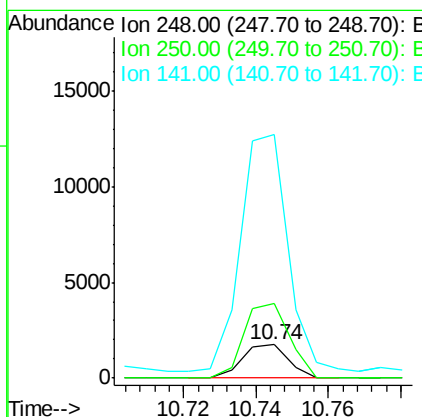
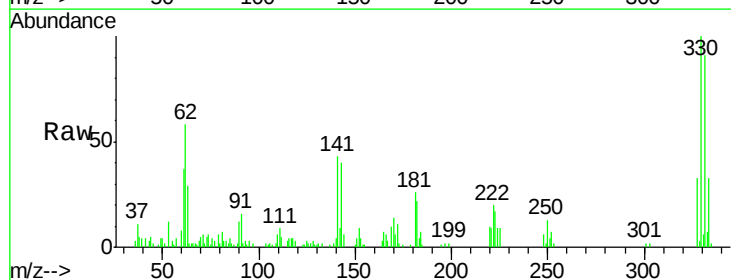
Instrument :
BNA_F
ClientSampleId :

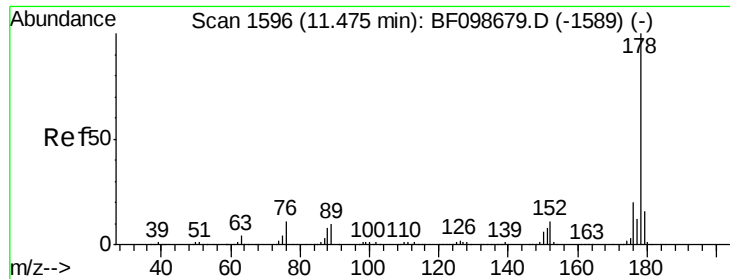
Tot Ion:169 Resp: 2090
Ion Ratio Lower Upper
169 100
168 86.3 54.4 81.6#
167 58.6 29.8 44.6#



#66
4-Bromophenyl-phenylether
Concen: 0.56 ng
RT: 10.74 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:248 Resp: 1518
Ion Ratio Lower Upper
248 100
250 224.7 76.9 115.3#
141 730.4 74.4 111.6#





#70

Phenanthrene

Concen: 15.43 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

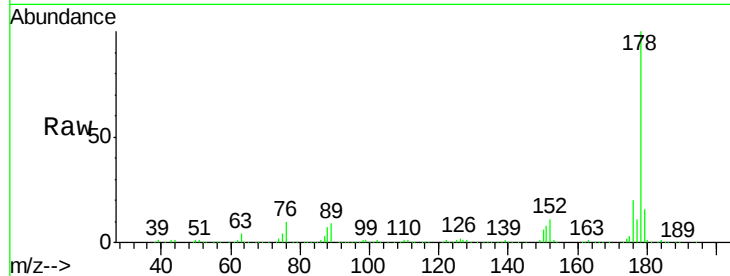
Tot Ion:178 Resp: 228818

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

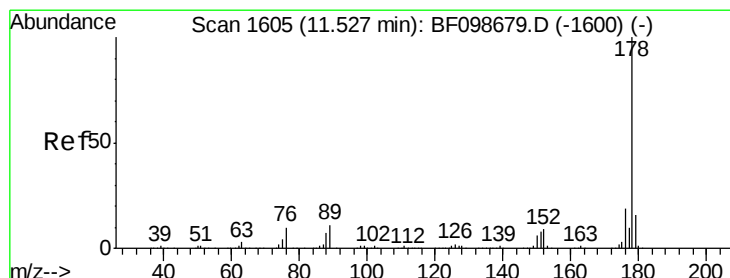
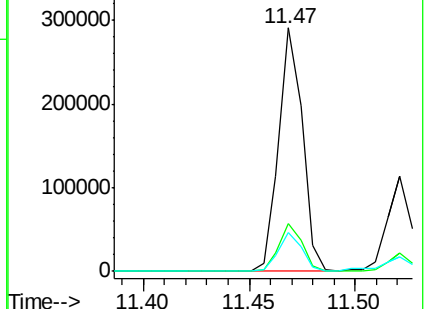
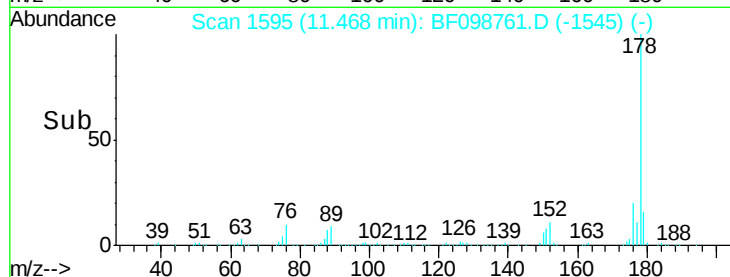
179 15.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 5.77 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

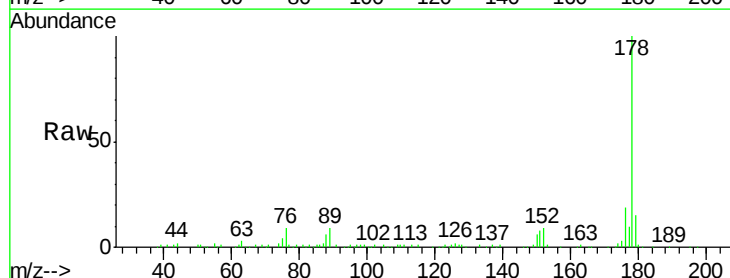
Tgt Ion:178 Resp: 87480

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

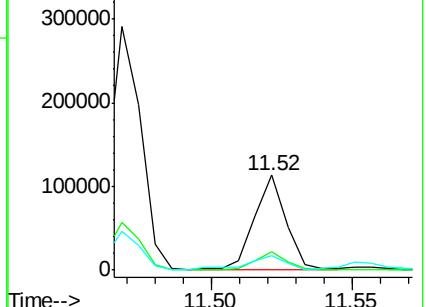
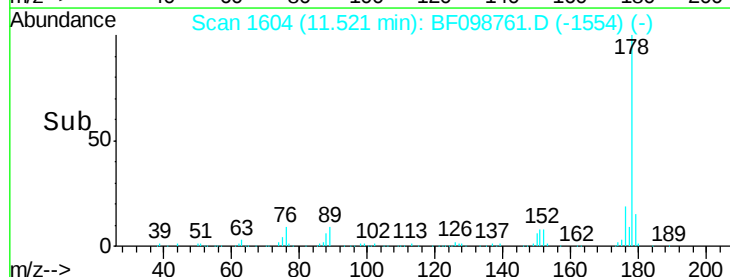
179 15.2 12.6 19.0

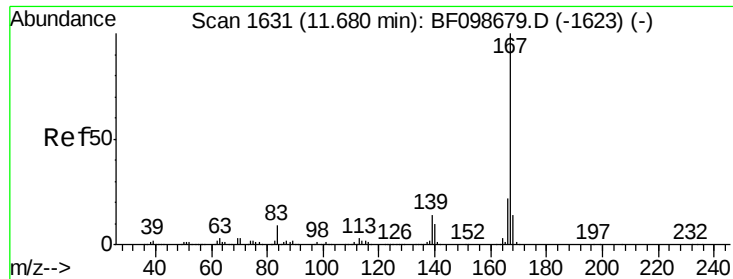


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

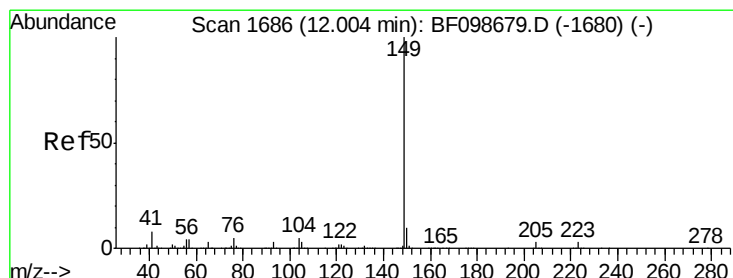
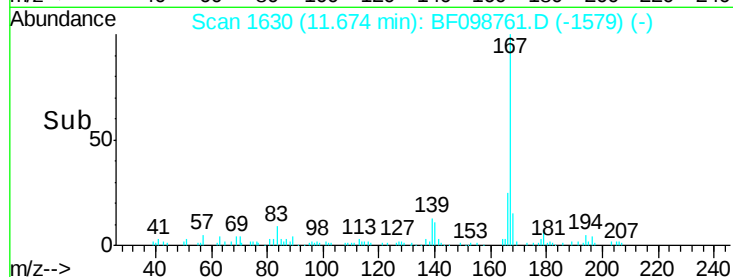
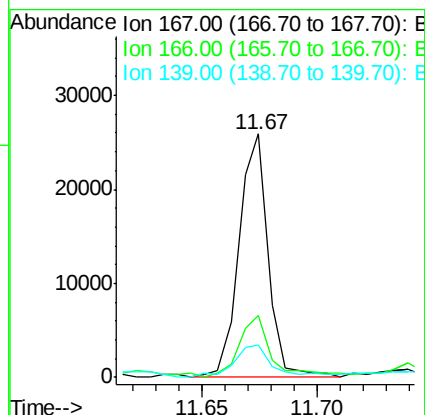
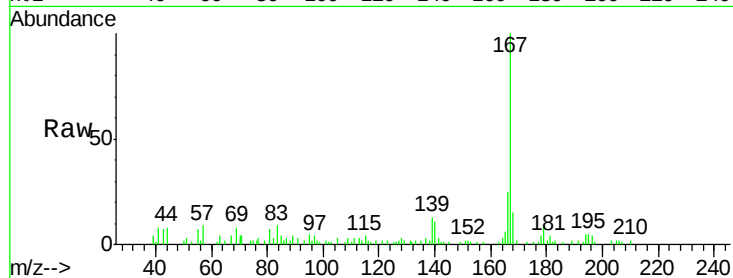




#72
 Carbazole
 Concen: 1.54 ng
 RT: 11.67 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

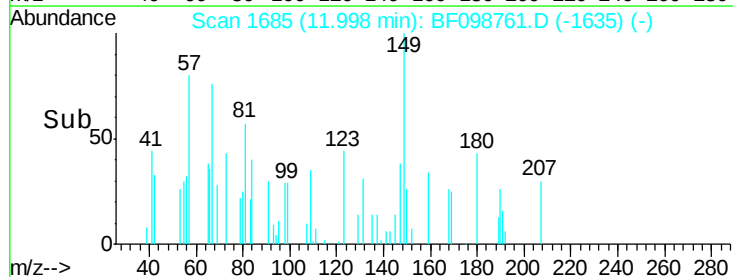
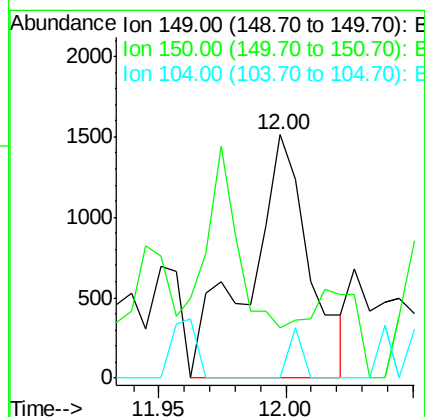
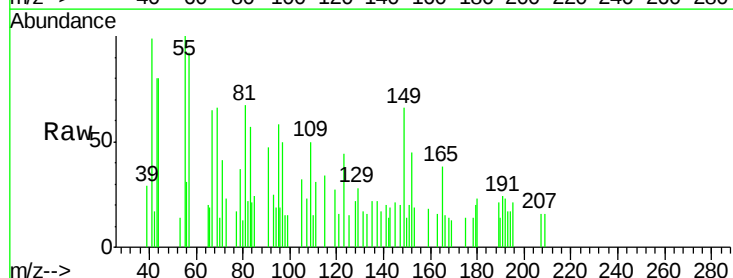
Instrument :
 BNA_F
 ClientSampleId :

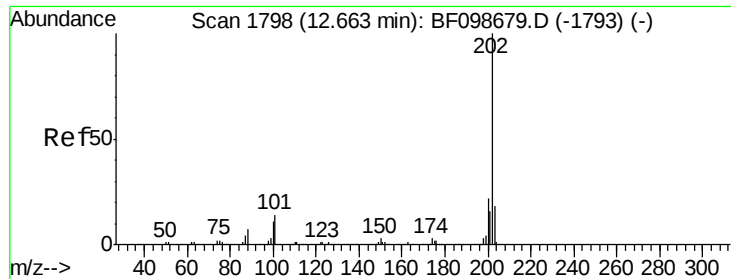
Tot Ion:167 Resp: 22865
 Ion Ratio Lower Upper
 167 100
 166 25.2 17.6 26.4
 139 13.3 10.9 16.3



#73
 Di-n-butylphthalate
 Concen: 0.14 ng
 RT: 12.00 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Tgt Ion:149 Resp: 2518
 Ion Ratio Lower Upper
 149 100
 150 20.5 7.8 11.6#
 104 0.0 3.8 5.8#





#74

Fluoranthene

Concen: 31.09 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

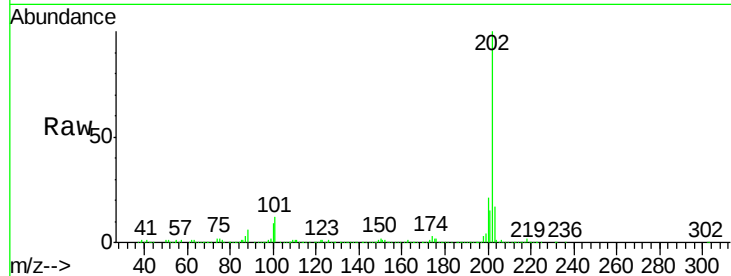
Tot Ion:202 Resp: 466869

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

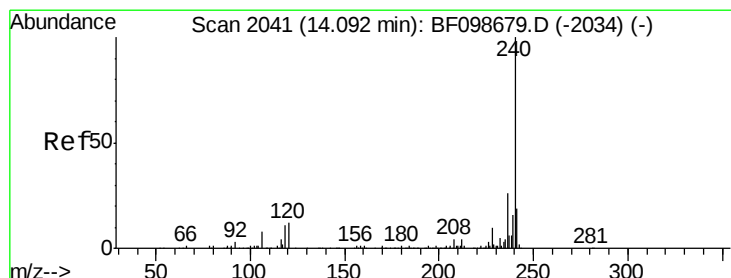
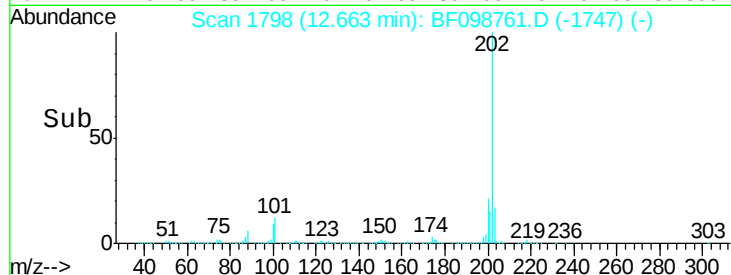
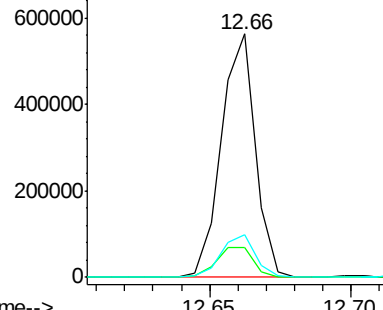
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

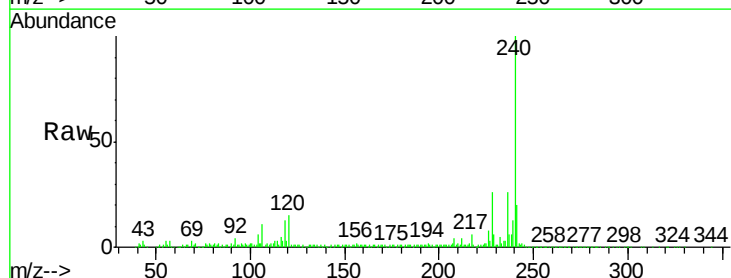
Tgt Ion:240 Resp: 253622

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

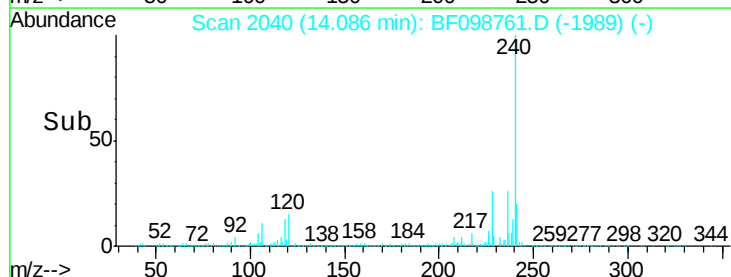
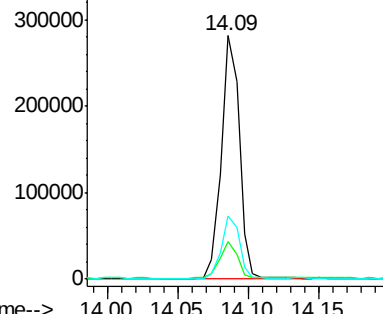
236 25.8 20.7 31.1

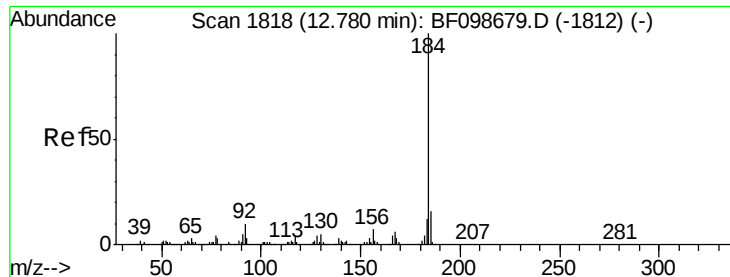


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.07 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.03 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

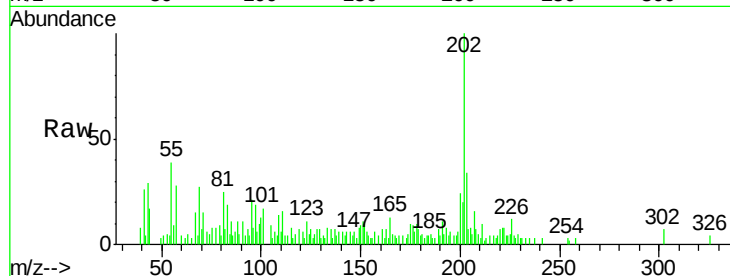
Tot Ion:184 Resp: 614

Ion Ratio Lower Upper

184 100

185 116.6 12.6 18.8#

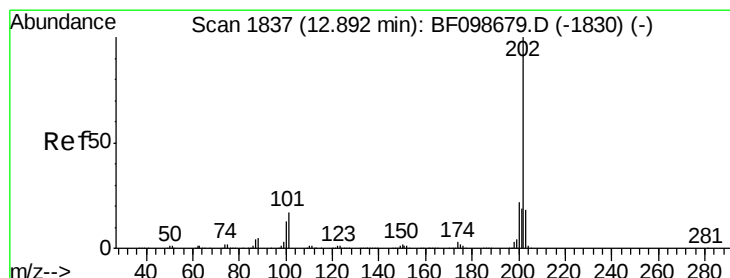
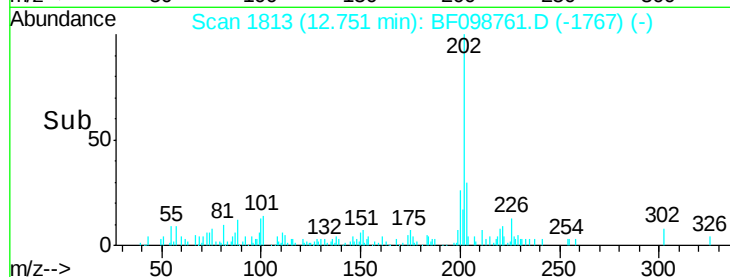
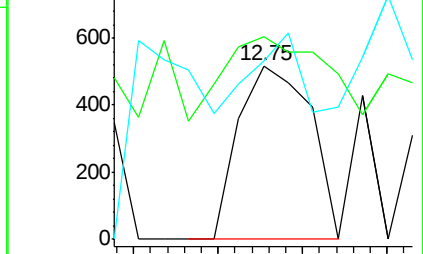
183 102.9 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 24.69 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

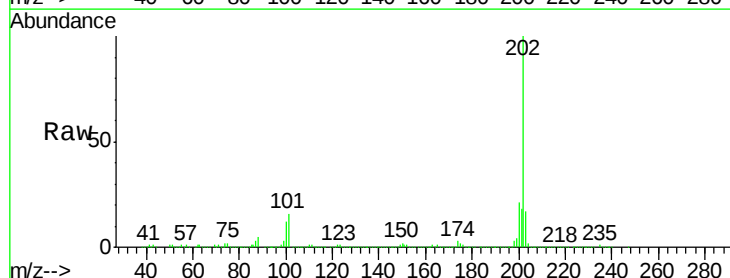
Tgt Ion:202 Resp: 477478

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

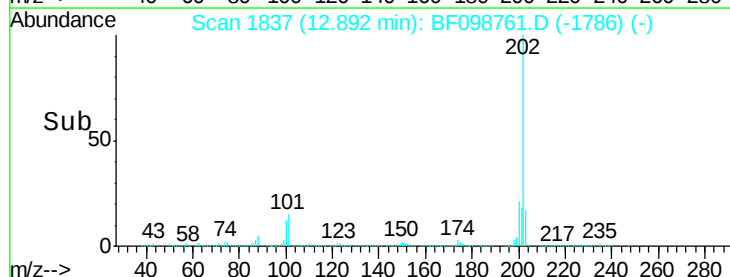
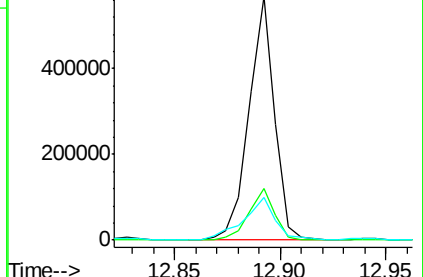
203 17.4 14.3 21.5

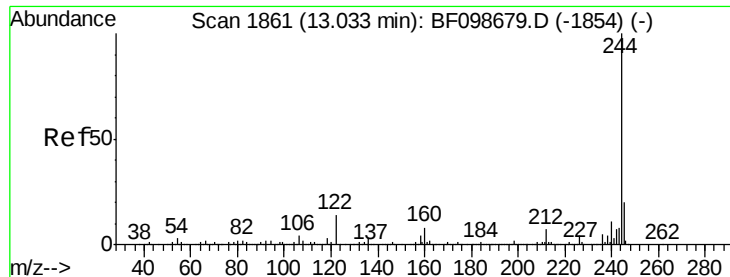


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

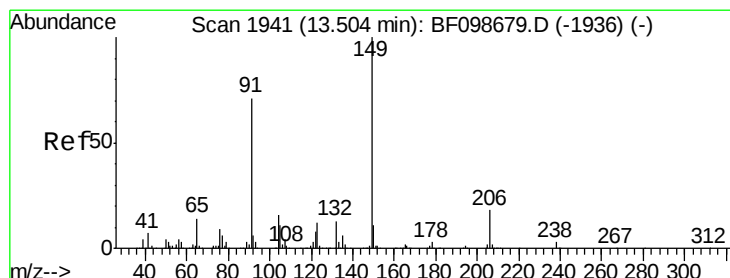
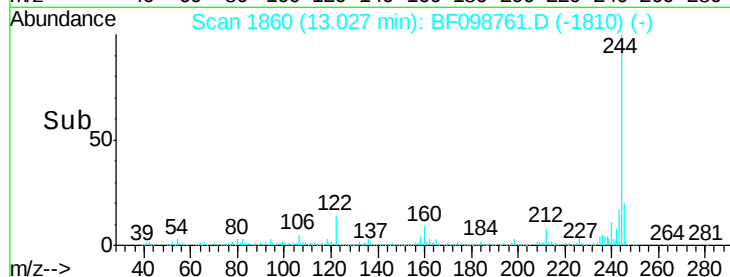
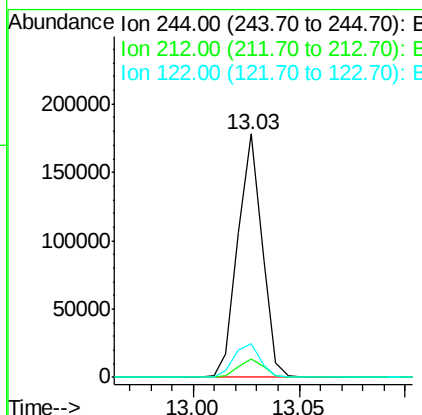
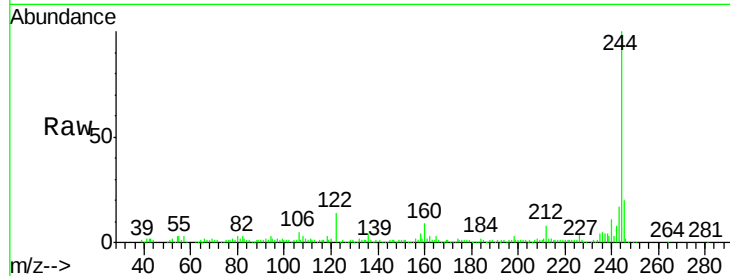




#78
 Terphenyl-d14
 Concen: 12.66 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

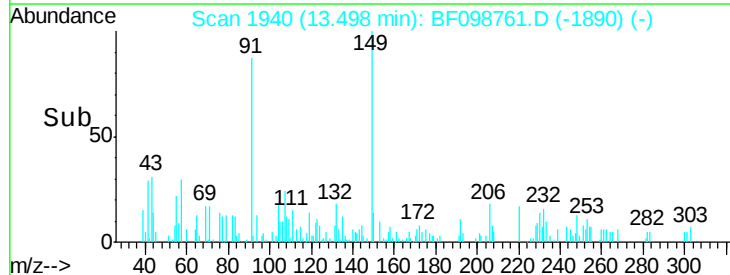
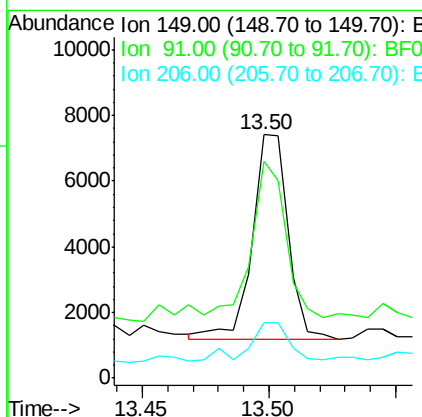
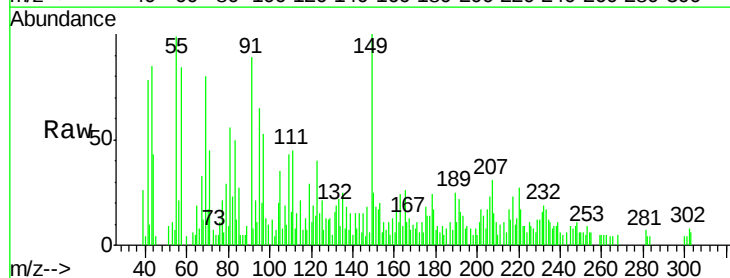
Instrument :
 BNA_F
 ClientSampleId :

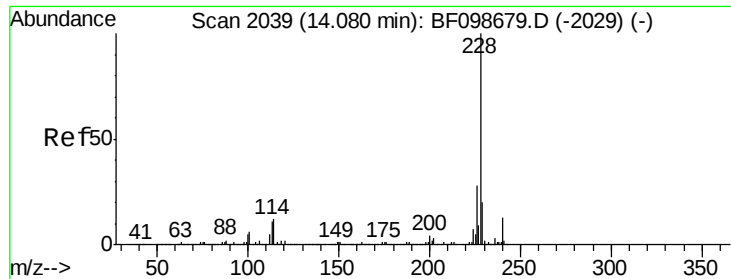
Tot Ion:244 Resp: 141131
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.0
 122 14.0 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 0.68 ng
 RT: 13.50 min Scan# 1940
 Delta R.T. -0.01 min
 Lab File: BF098761.D
 Acq: 24 Sep 2017 1:43

Tgt Ion:149 Resp: 6157
 Ion Ratio Lower Upper
 149 100
 91 88.9 56.8 85.2#
 206 22.8 14.1 21.1#





#80

Benzo(a)anthracene

Concen: 14.23 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

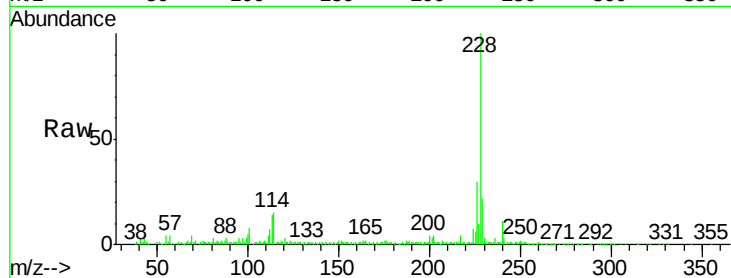
Tot Ion:228 Resp: 218577

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

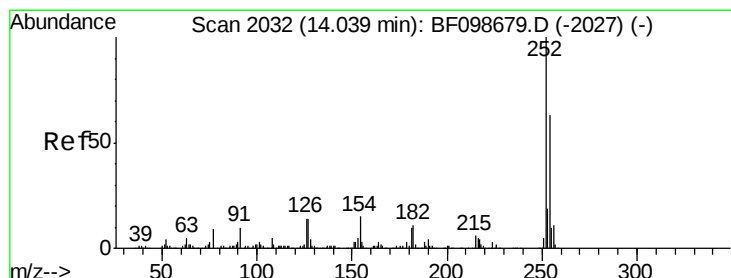
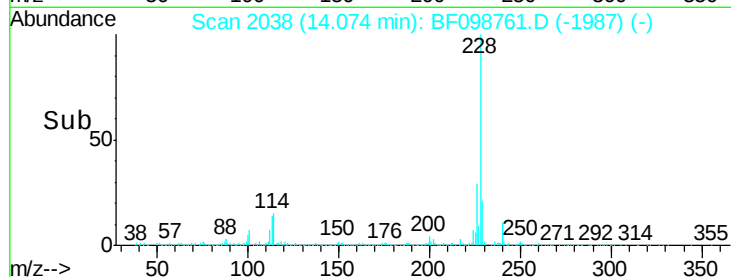
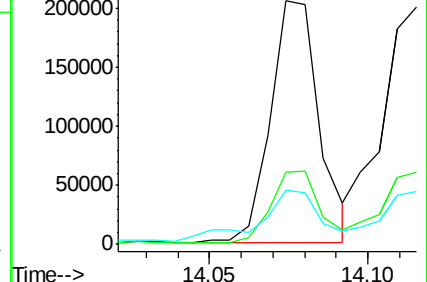
229 22.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.11 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

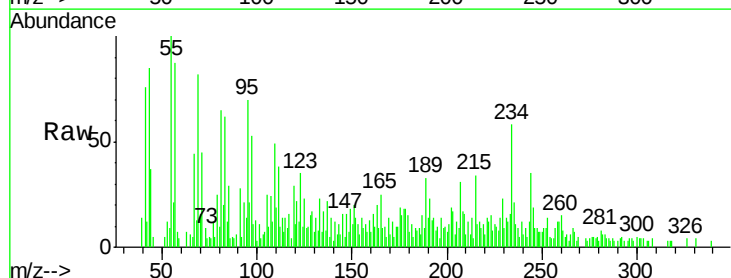
Tgt Ion:252 Resp: 641

Ion Ratio Lower Upper

252 100

254 52.5 50.4 75.6

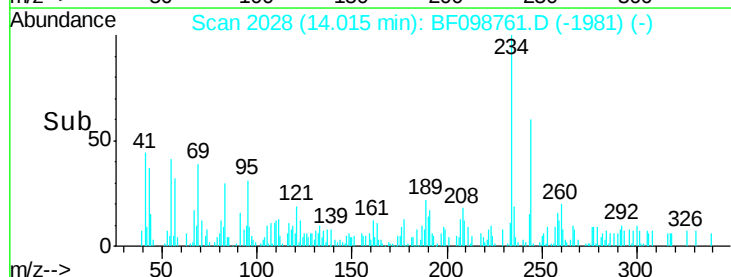
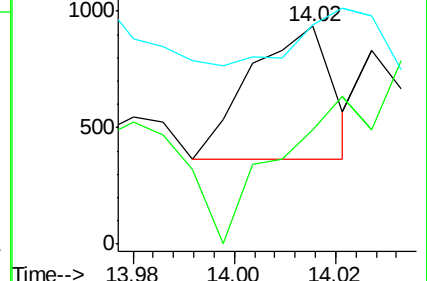
126 100.6 11.3 16.9#

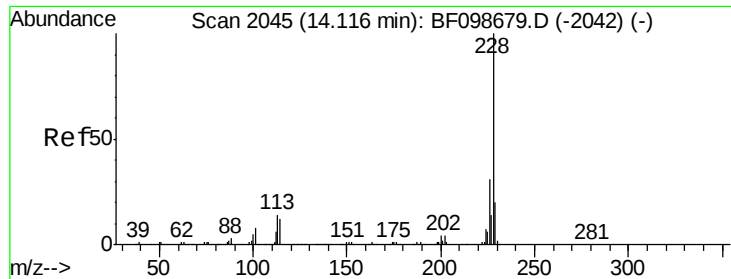


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

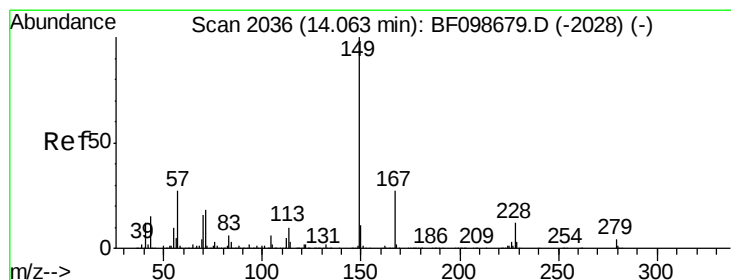
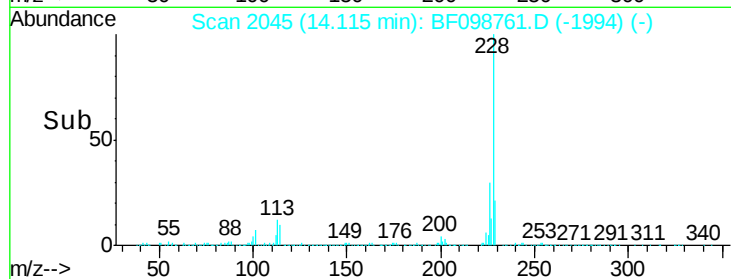
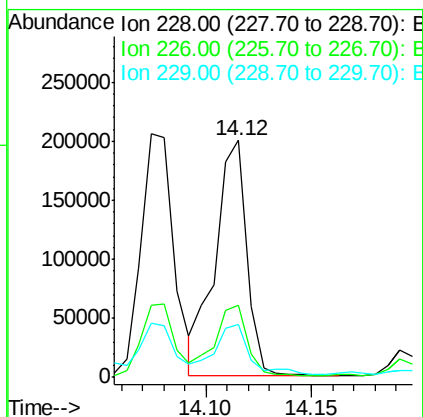
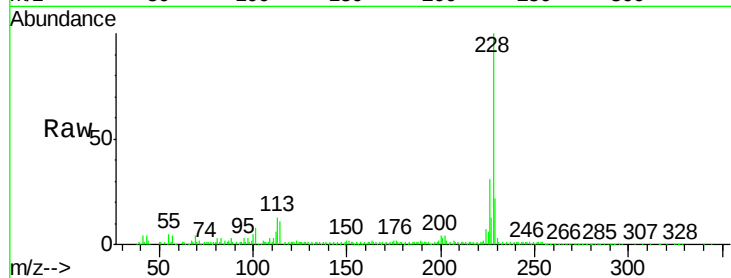




#82
Chrysene
Concen: 14.16 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

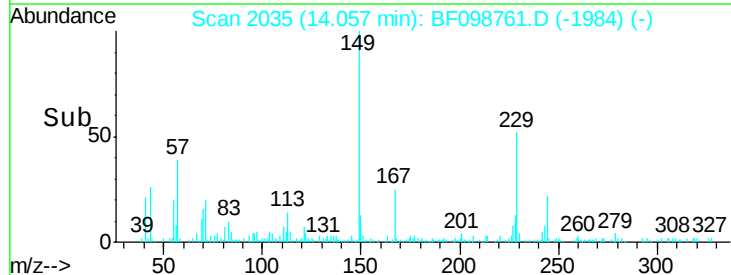
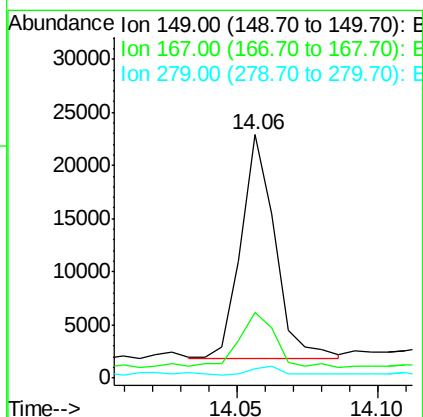
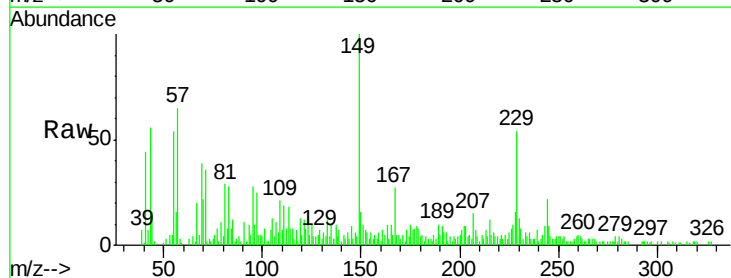
Instrument :
BNA_F
ClientSampleId :

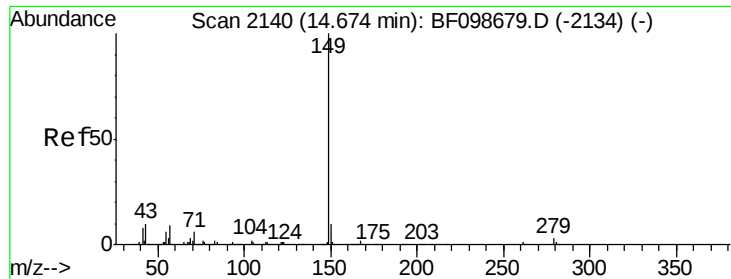
Tot Ion:228 Resp: 207041
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 22.2 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 1.41 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:149 Resp: 17608
Ion Ratio Lower Upper
149 100
167 27.1 21.3 31.9
279 3.9 3.0 4.4

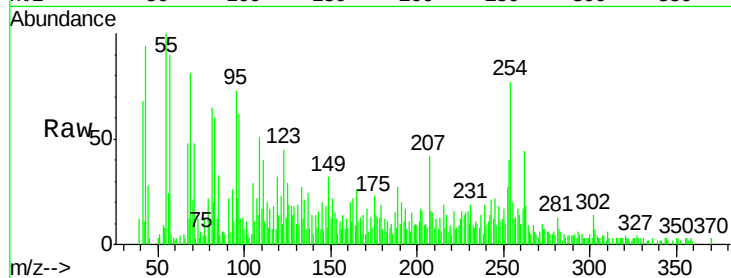




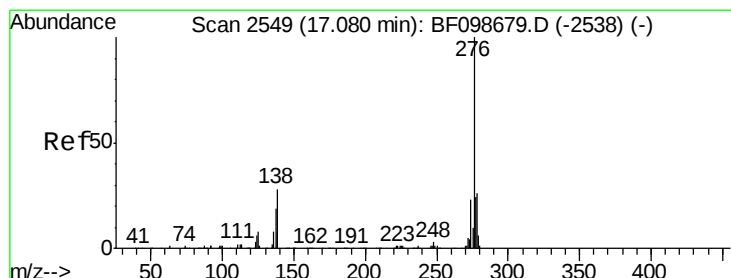
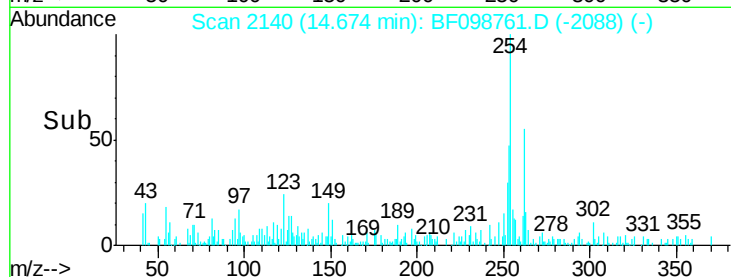
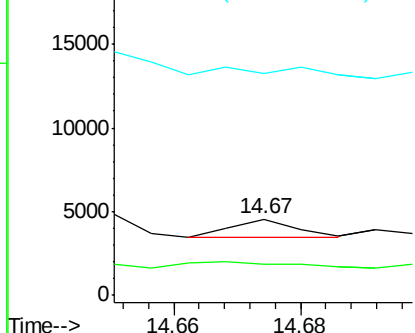
#84
Di-n-octyl phthalate
Concen: 0.04 ng
RT: 14.67 min Scan# 2140
Delta R.T. 0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 707
Ion Ratio Lower Upper
149 100
167 178.4 1.2 1.8#
43 0.0 8.4 12.6#

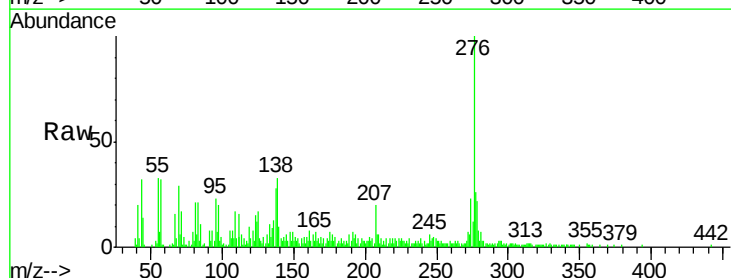


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

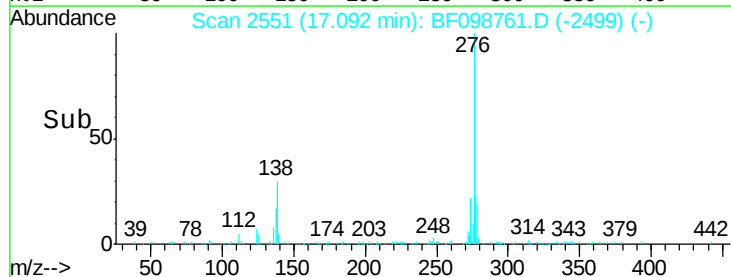
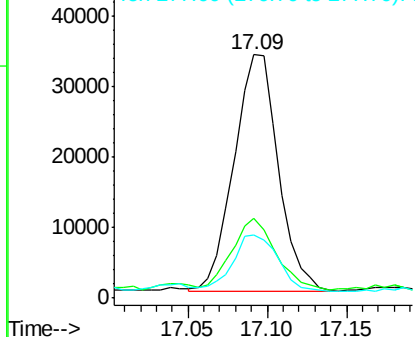


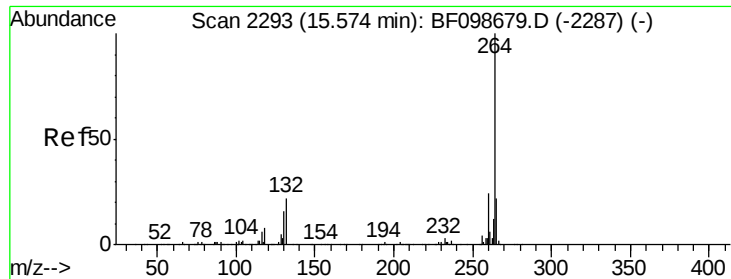
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.60 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:276 Resp: 65544
Ion Ratio Lower Upper
276 100
138 30.5 25.0 37.6
277 24.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

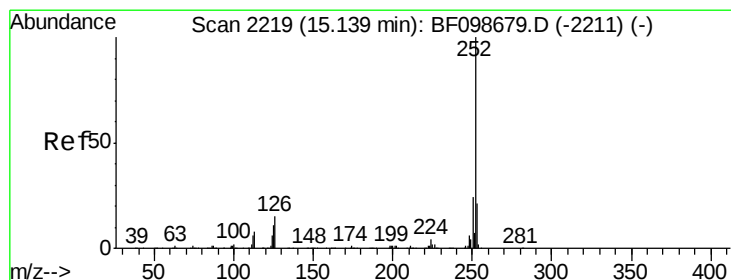
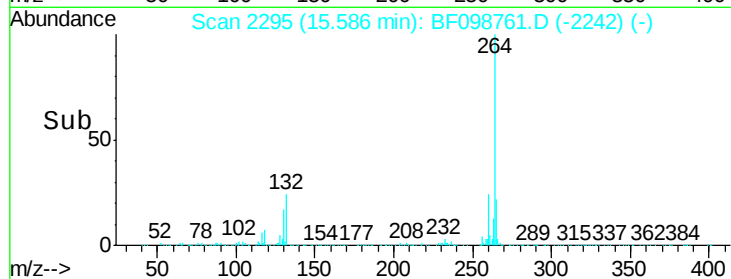
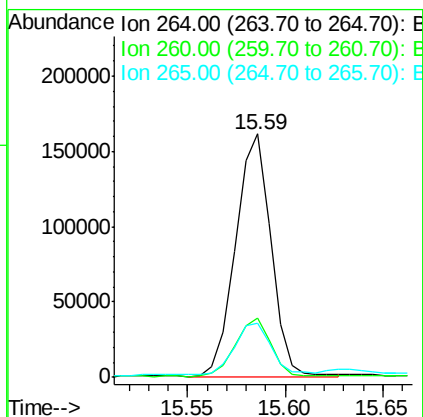
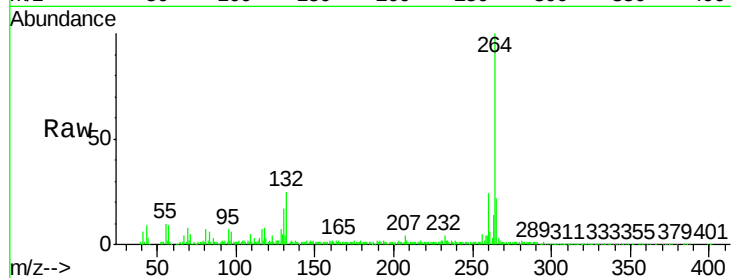




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

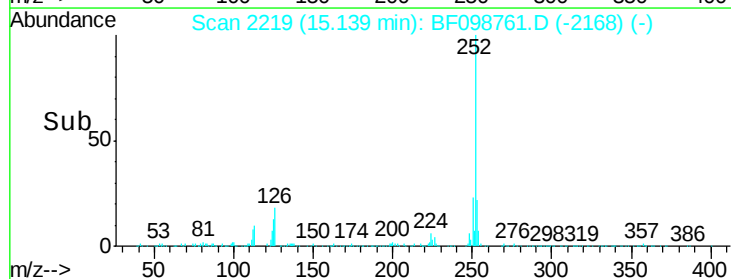
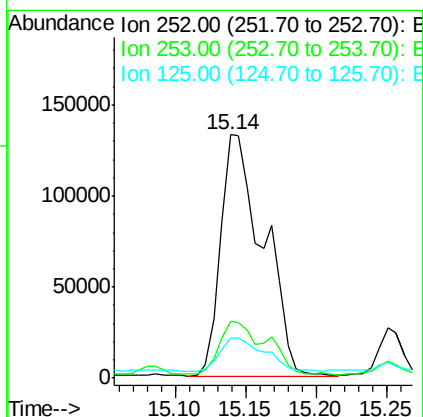
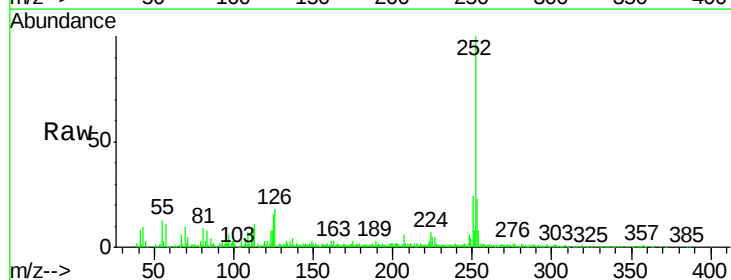
Instrument :
BNA_F
ClientSampleId :

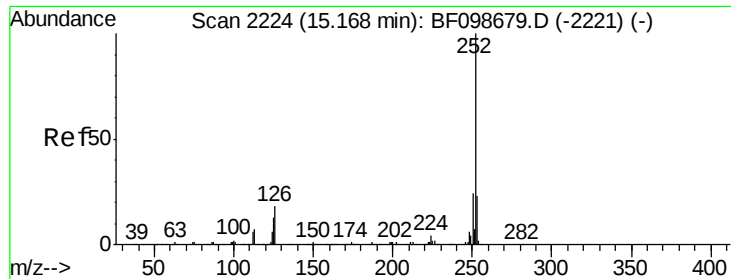
Tot Ion:264 Resp: 202072
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 22.46 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion:252 Resp: 279059
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 16.5 9.0 13.6#

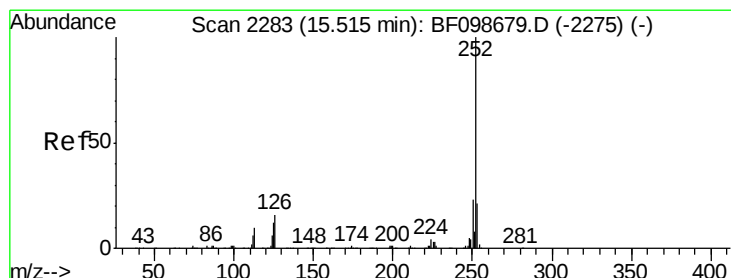
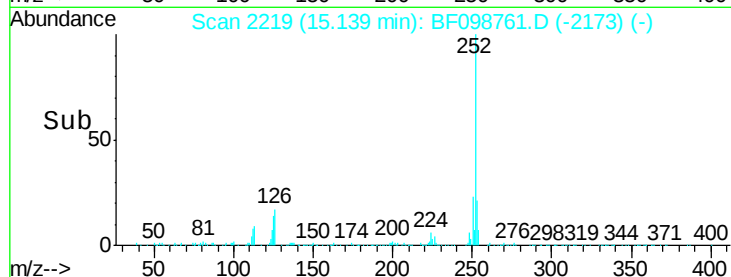
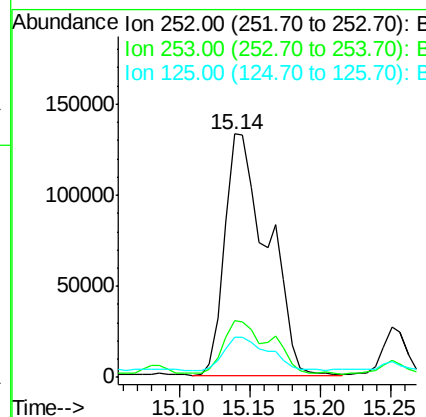
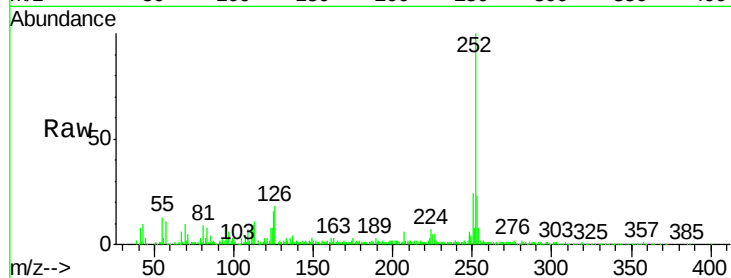




#88
Benzo(k)fluoranthene
Concen: 22.74 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

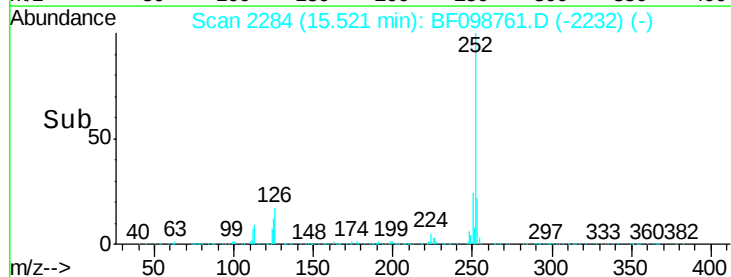
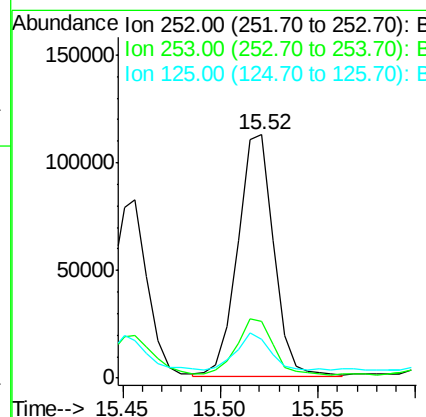
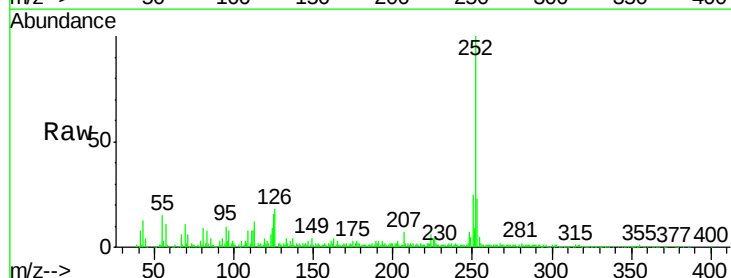
Instrument :
BNA_F
ClientSampleId :

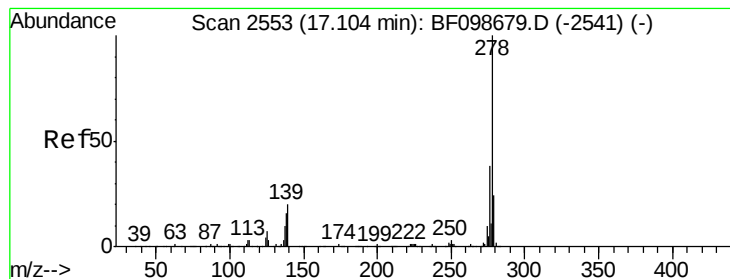
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	16.5	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 12.50 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF098761.D
Acq: 24 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.9	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.01 ng

RT: 17.10 min Scan# 2552

Delta R.T. -0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

Instrument :

BNA_F

ClientSampled :

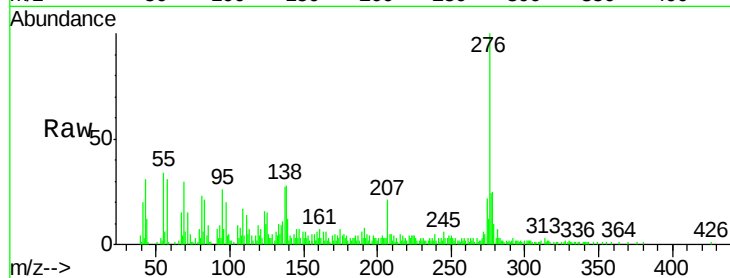
Tot Ion:278 Resp: 18347

Ion Ratio Lower Upper

278 100

139 46.1 15.9 23.9#

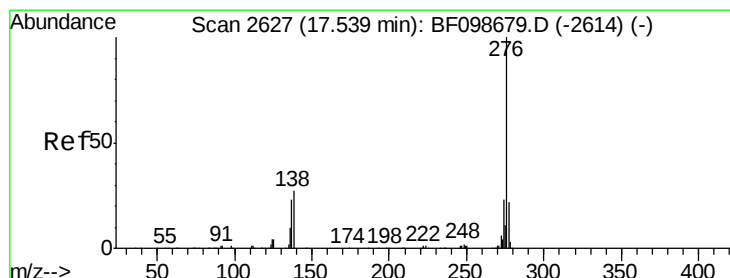
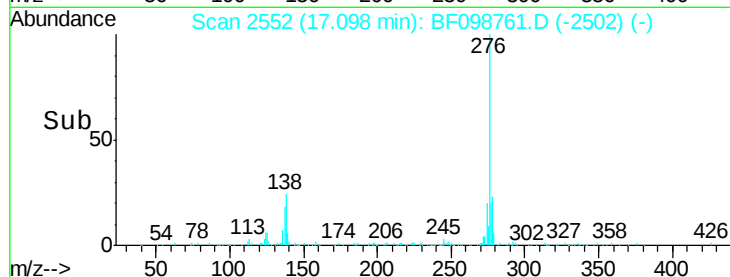
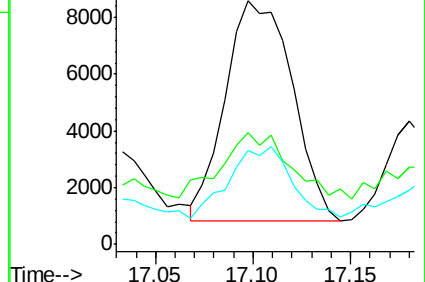
279 38.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.20 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF098761.D

Acq: 24 Sep 2017 1:43

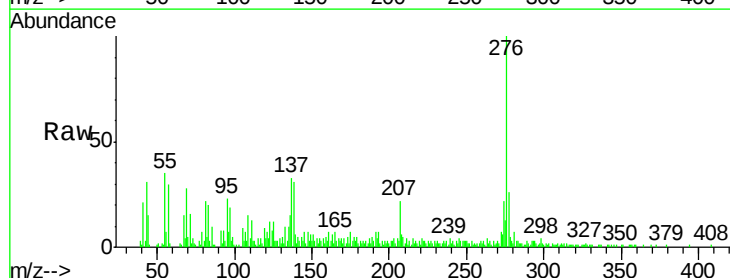
Tgt Ion:276 Resp: 64983

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 30.7 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

