

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111816\
 Data File : BF091251.D
 Acq On : 18 Nov 2016 23:36
 Operator : UM/SJ
 Sample : H5660-04DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

Quant Time: Nov 19 00:52:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 18 22:22:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	41232	20.00	ng	0.01
21) Naphthalene-d8	7.93	136	136871	20.00	ng	0.02
38) Acenaphthene-d10	9.66	164	29172	20.00	ng	0.01
63) Phenanthrene-d10	11.22	188	91544	20.00	ng	0.09
75) Chrysene-d12	13.77	240	175675	20.00	ng	0.00
86) Perylene-d12	15.13	264	212476	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	128774	51.58	ng	0.00
7) Phenol-d6	6.28	99	170366	50.28	ng	0.01
23) Nitrobenzene-d5	7.26	82	138992	55.40	ng	0.08
41) 2,4,6-Tribromophenol	10.58	330	26544	100.65	ng	0.14
44) 2-Fluorobiphenyl	9.10	172	76223	44.98	ng	0.13
78) Terphenyl-d14	12.73	244	272476	38.70	ng	0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.13	77	112257	59.69	ng	# 1
10) Phenol	6.29	94	10877	2.90	ng	# 1
15) Benzyl Alcohol	6.68	79	59172	24.76	ng	# 25
17) 2-Methylphenol	6.96	107	7868	3.34	ng	# 1
18) Hexachloroethane	7.20	117	524994	419.77	ng	# 1
19) n-Nitroso-di-n-propylamine	7.04	70	132188	56.29	ng	# 85
22) Acetophenone	6.96	105	1024804	325.19	ng	# 59
24) Nitrobenzene	7.22	77	89115	32.16	ng	# 39
25) Isophorone	7.48	82	45885	9.49	ng	# 1
26) 2-Nitrophenol	7.49	139	6800	5.80	ng	# 1
27) 2,4-Dimethylphenol	7.61	122	80156	41.33	ng	# 1
28) bis(2-Chloroethoxy)methane	7.52	93	75353	28.53	ng	# 1
29) 2,4-Dichlorophenol	7.71	162	8598	5.08	ng	# 1
30) 1,2,4-Trichlorobenzene	7.92	180	23091	12.13	ng	# 1
31) Naphthalene	7.96	128	677387	103.49	ng	# 85
32) Benzoic acid	7.90	122	54122	37.06	ng	# 1
33) 4-Chloroaniline	7.96	127	131241	48.21	ng	# 54
35) Caprolactam	8.53	113	378693	712.16	ng	# 1
36) 4-Chloro-3-methylphenol	8.75	107	20861	10.18	ng	# 1
37) 2-Methylnaphthalene	8.81	142	4161055	988.86	ng	# 99
42) 2,4,6-Trichlorophenol	8.85	196	15074	31.39	ng	# 13
43) 2,4,5-Trichlorophenol	8.85	196	15074	29.90	ng	# 1
45) 1,1'-Biphenyl	9.23	154	242766	113.97	ng	# 86
46) 2-Chloronaphthalene	9.09	162	9353	5.78	ng	# 1
47) 2-Nitroaniline	9.38	65	70512	117.49	ng	# 73
48) Acenaphthylene	9.45	152	435186	172.67	ng	# 1
49) Dimethylphthalate	9.36	163	28350	14.82	ng	# 6
50) 2,6-Dinitrotoluene	9.49	165	3849	9.39	ng	# 58
51) Acenaphthene	9.63	154	41475	26.21	ng	# 1
52) 3-Nitroaniline	9.66	138	54763	112.65	ng	# 53
53) 2,4-Dinitrophenol	9.81	184	4557	25.07	ng	# 1
54) Dibenzofuran	9.87	168	84180	39.52	ng	# 82
55) 4-Nitrophenol	9.86	139	95799	280.43	ng	# 1
56) 2,4-Dinitrotoluene	9.87	165	33260	63.77	ng	# 65

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 ALS Vial : 19 Sample Multiplier: 1

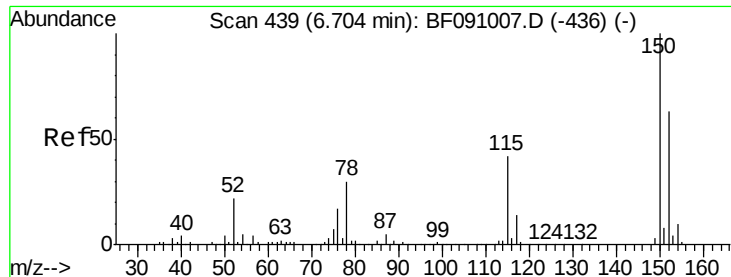
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

Quant Time: Nov 19 00:52:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

57) Fluorene	10.14	166	12090	6.94	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.00	232	7495	18.98	ng	# 32
59) Diethylphthalate	10.12	149	54878	27.98	ng	# 1
60) 4-Chlorophenyl-phenylether	10.17	204	44441	56.09	ng	# 1
61) 4-Nitroaniline	10.28	138	17409	35.40	ng	76
62) Azobenzene	10.34	77	165750	71.79	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.34	198	12290	21.92	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	296634	101.95	ng	# 93
66) 4-Bromophenyl-phenylether	10.82	248	10063	10.57	ng	# 1
68) Atrazine	10.92	200	8172	9.74	ng	# 1
69) Pentachlorophenol	11.06	266	3654	7.86	ng	# 1
70) Phenanthrene	11.25	178	1320514	271.35	ng	# 94
71) Anthracene	11.33	178	482678	93.29	ng	# 1
72) Carbazole	11.44	167	47490	10.19	ng	# 1
73) Di-n-butylphthalate	11.82	149	18264	3.11	ng	# 1
74) Fluoranthene	12.36	202	36803	7.29	ng	77
77) Pyrene	12.59	202	160815	13.98	ng	# 84

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 432

Delta R.T. 0.01 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

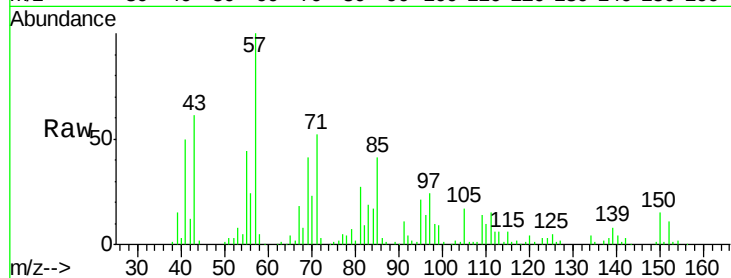
Tgt Ion:152 Resp: 41232

Ion Ratio Lower Upper

152 100

150 142.5 126.8 190.2

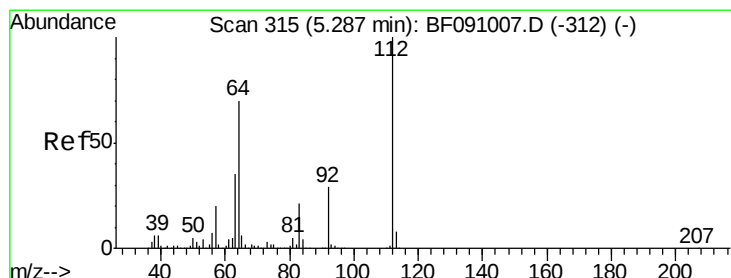
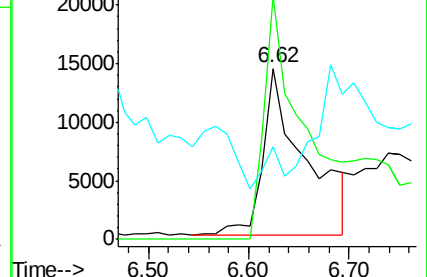
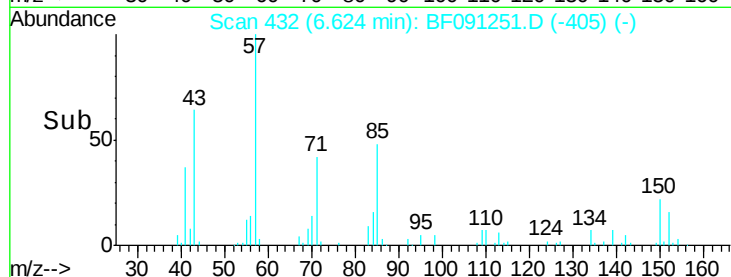
115 54.4 53.3 79.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 51.58 ng

RT: 5.18 min Scan# 306

Delta R.T. -0.00 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

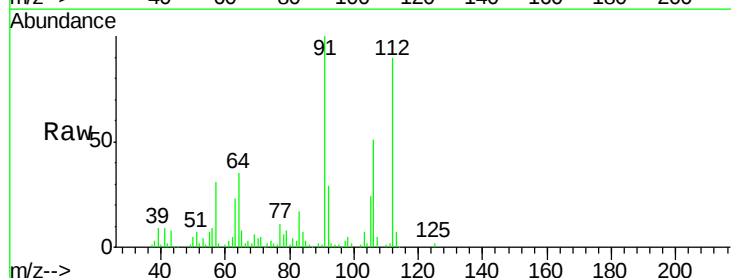
Tgt Ion:112 Resp: 128774

Ion Ratio Lower Upper

112 100

64 39.3 55.8 83.6#

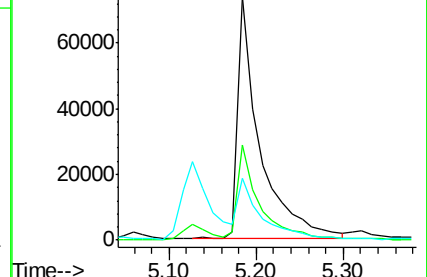
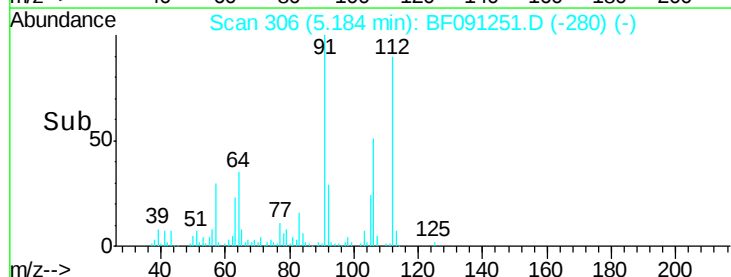
63 25.6 28.0 42.0#

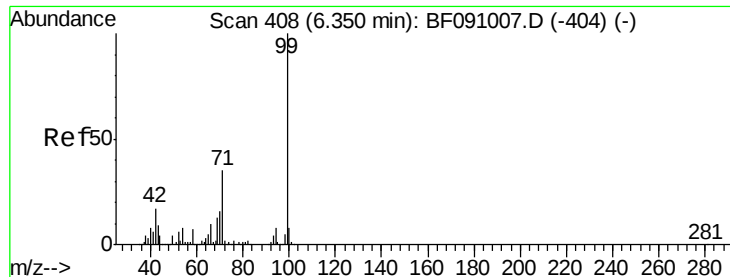


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.28 ng

RT: 6.28 min Scan# 402

Delta R.T. 0.01 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

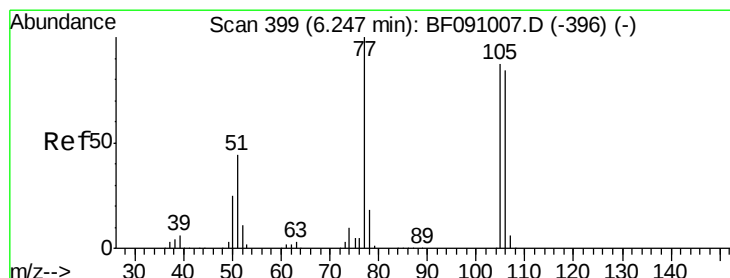
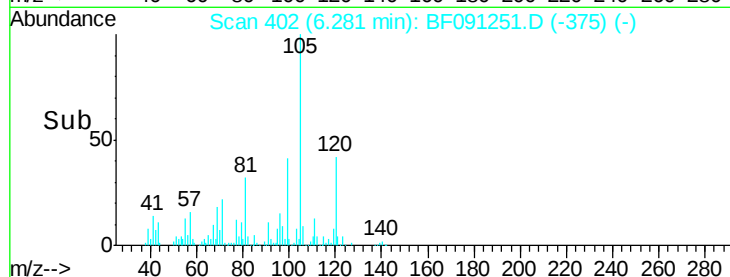
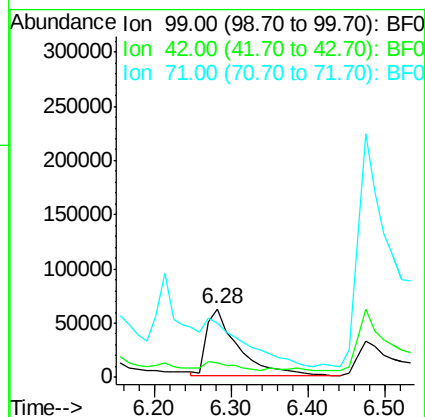
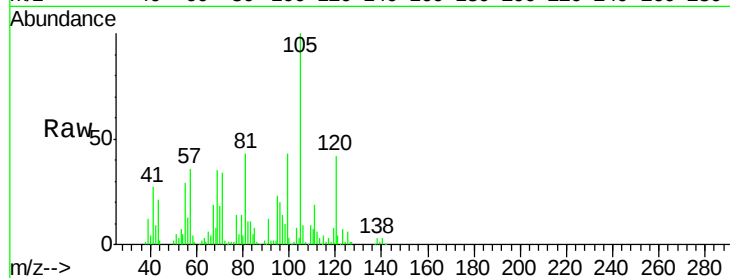
Tgt Ion: 99 Resp: 170366

Ion Ratio Lower Upper

99 100

42 21.4 13.9 20.9#

71 78.8 27.8 41.8#



#9

Benzaldehyde

Concen: 59.69 ng

RT: 6.13 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

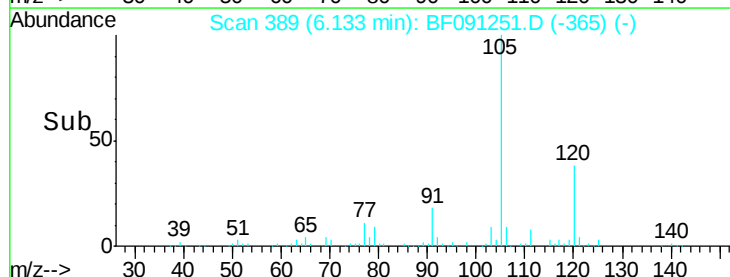
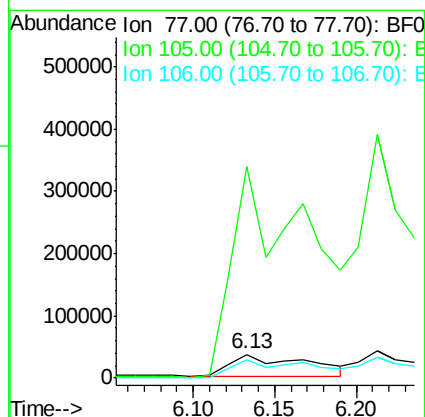
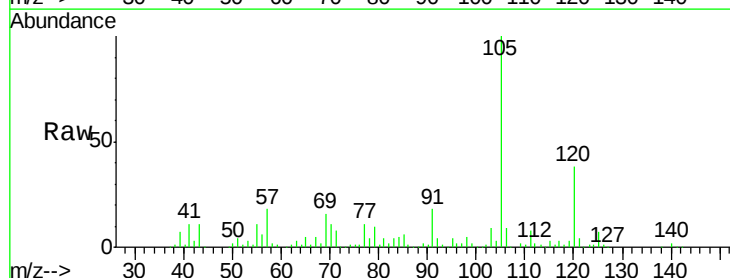
Tgt Ion: 77 Resp: 112257

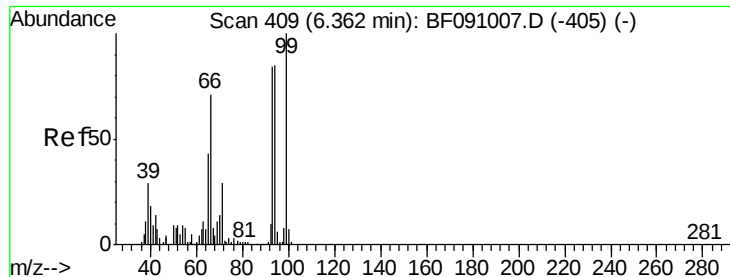
Ion Ratio Lower Upper

77 100

105 889.4 66.8 106.8#

106 78.2 64.0 104.0





#10

Phenol

Concen: 2.90 ng

RT: 6.29 min Scan# 403

Delta R.T. 0.01 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

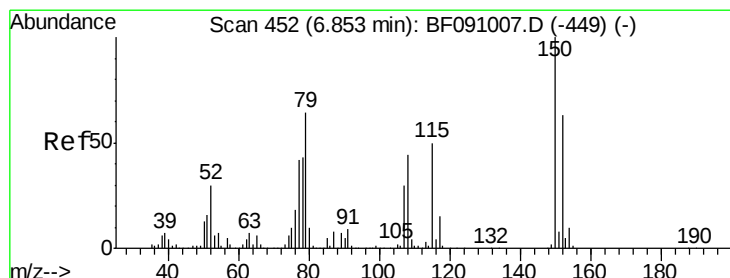
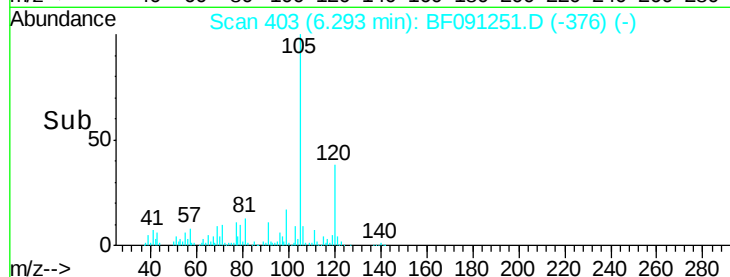
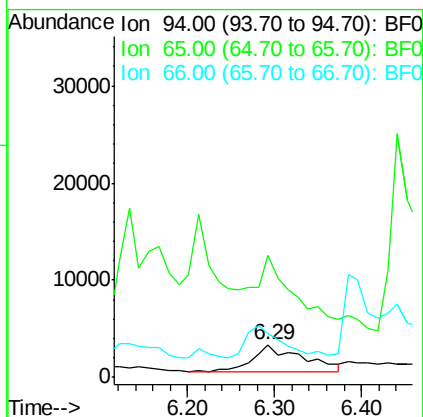
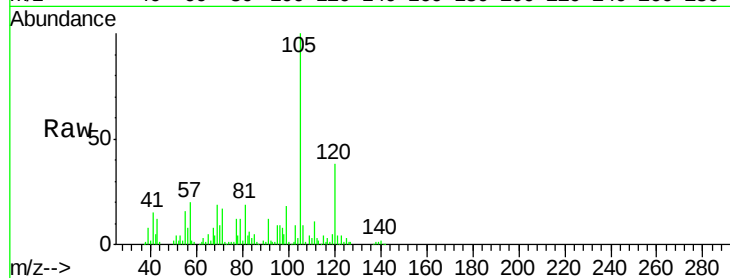
Tgt Ion: 94 Resp: 10877

Ion Ratio Lower Upper

94 100

65 371.3 30.4 70.4#

66 132.3 62.9 102.9#



#15

Benzyl Alcohol

Concen: 24.76 ng

RT: 6.68 min Scan# 437

Delta R.T. -0.09 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

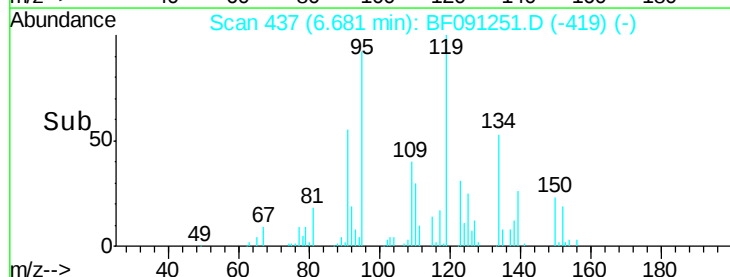
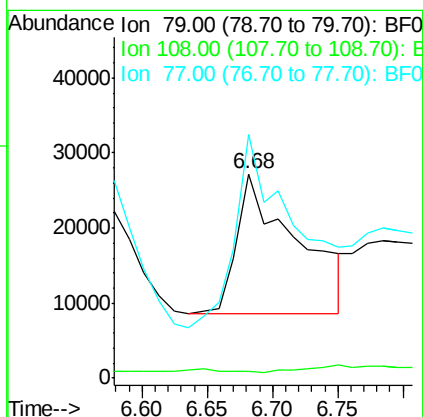
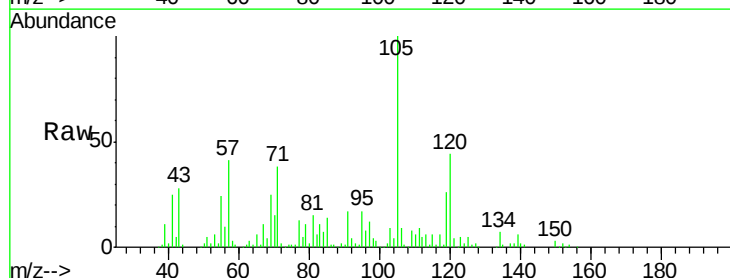
Tgt Ion: 79 Resp: 59172

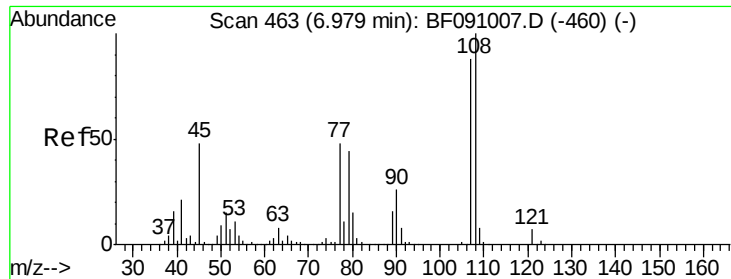
Ion Ratio Lower Upper

79 100

108 3.0 55.7 83.5#

77 119.2 52.6 79.0#

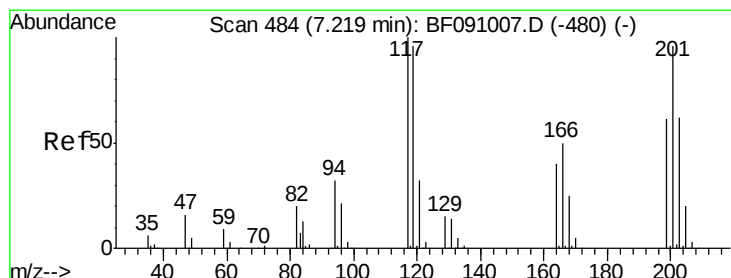
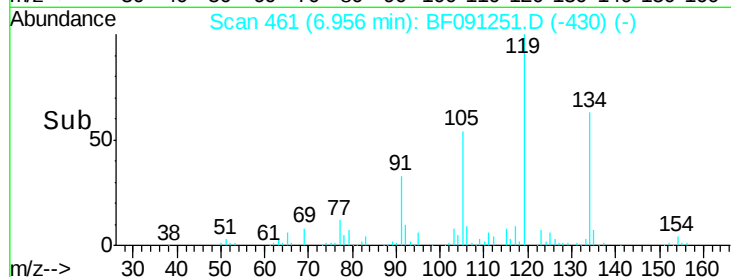
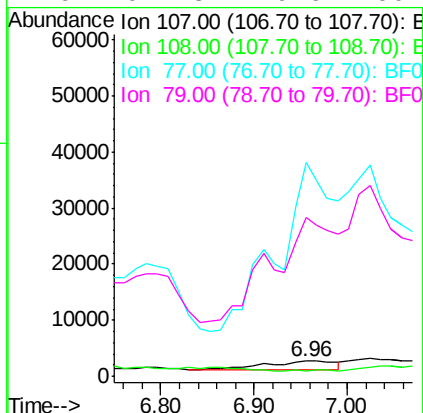
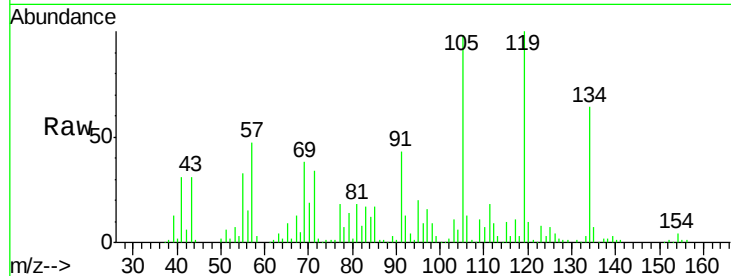




#17
2-Methylphenol
Concen: 3.34 ng
RT: 6.96 min Scan# 461
Delta R.T. 0.06 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

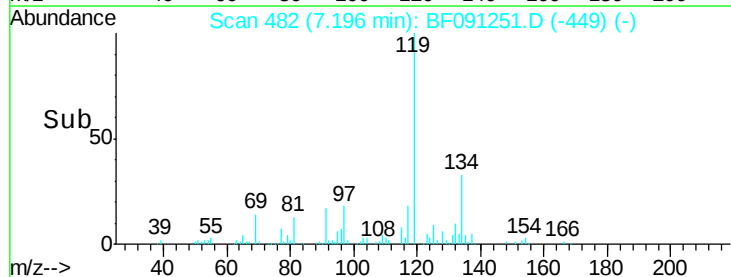
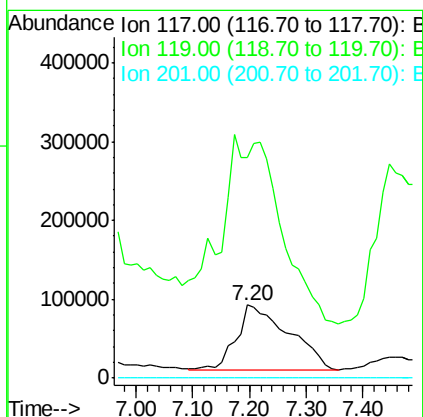
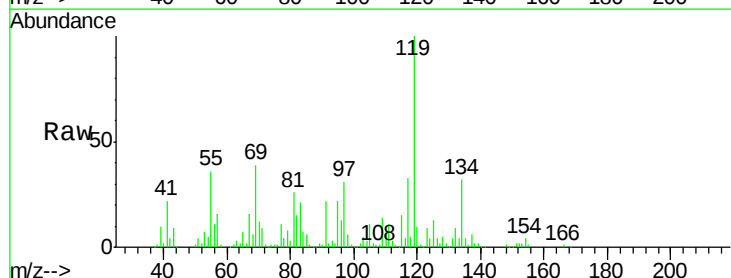
Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

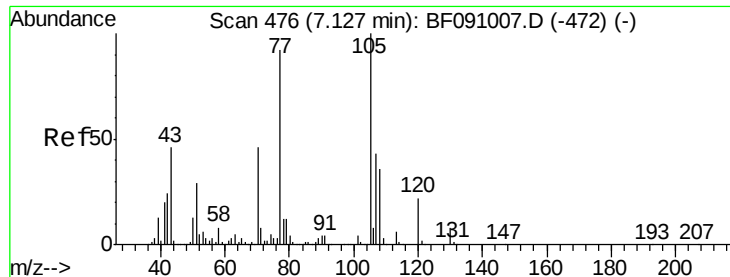
Tgt Ion:107 Resp: 7868
Ion Ratio Lower Upper
107 100
108 36.8 91.0 136.6#
77 1398.7 43.8 65.8#
79 1041.5 40.6 60.8#



#18
Hexachloroethane
Concen: 419.77 ng
RT: 7.20 min Scan# 482
Delta R.T. 0.08 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion:117 Resp: 524994
Ion Ratio Lower Upper
117 100
119 302.6 76.6 115.0#
201 0.0 77.1 115.7#

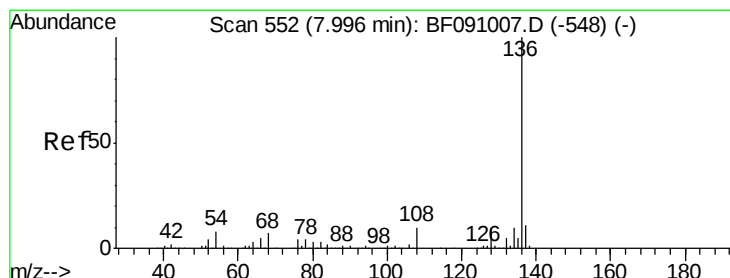
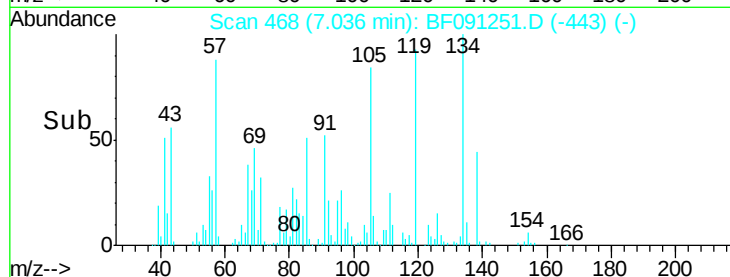
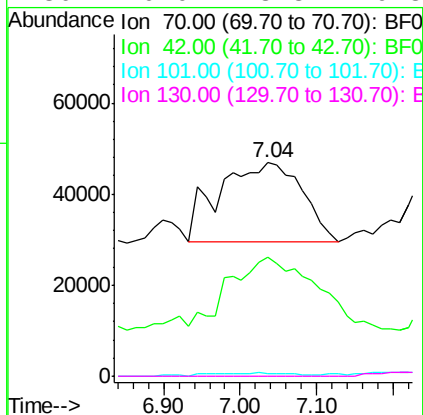
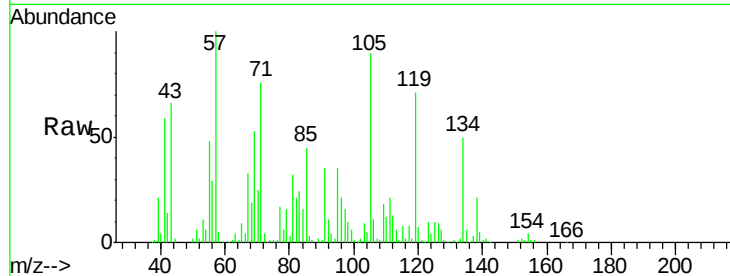




#19
n-Nitroso-di-n-propylamine
Concen: 56.29 ng
RT: 7.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

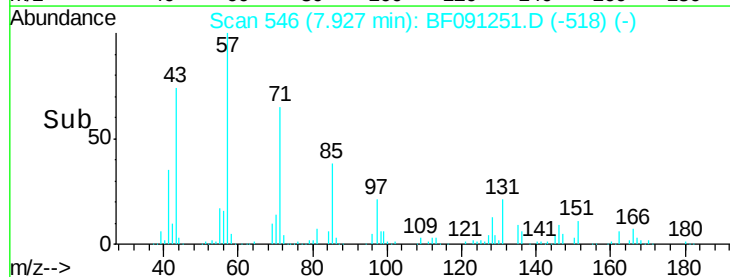
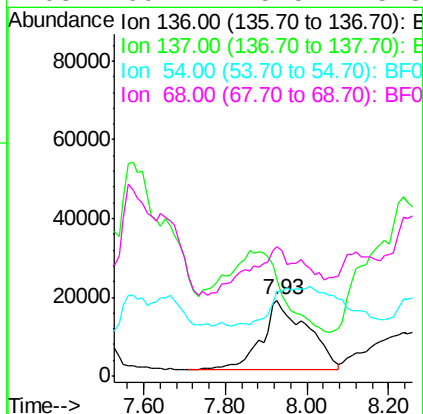
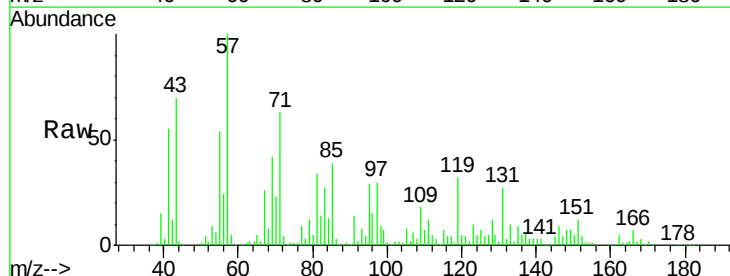
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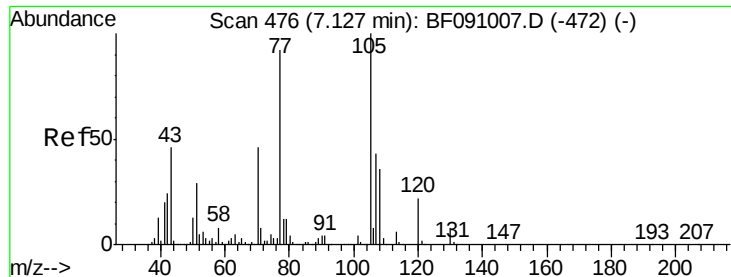
Tgt Ion: 70 Resp: 132188
Ion Ratio Lower Upper
70 100
42 55.9 41.7 62.5
101 1.2 6.7 10.1#
130 0.0 13.8 20.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion: 136 Resp: 136871
Ion Ratio Lower Upper
136 100
137 127.5 8.9 13.3#
54 110.9 6.2 9.2#
68 169.7 5.5 8.3#





#22

Acetophenone

Concen: 325.19 ng

RT: 6.96 min Scan# 461

Delta R.T. -0.08 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

Tgt Ion:105 Resp: 1024804

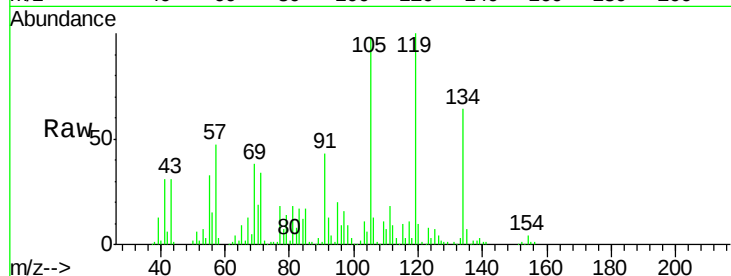
Ion Ratio Lower Upper

105 100

71 34.4 6.2 9.2#

51 5.9 23.3 34.9#

120 10.0 17.4 26.0#

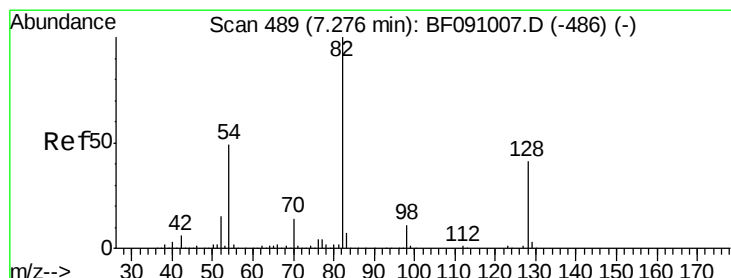
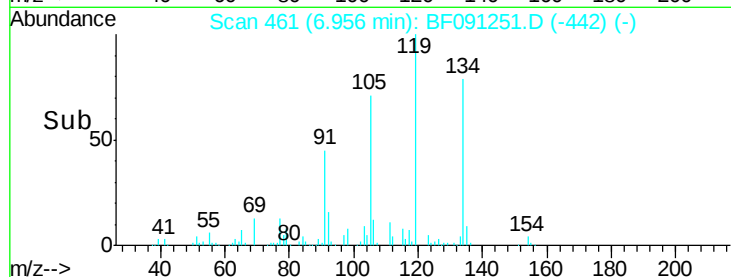
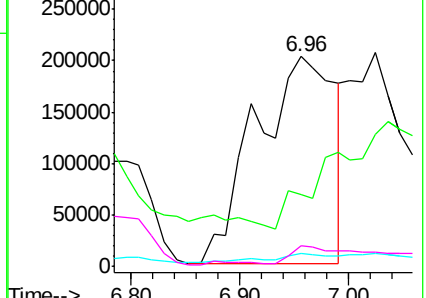


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 55.40 ng

RT: 7.26 min Scan# 488

Delta R.T. 0.08 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

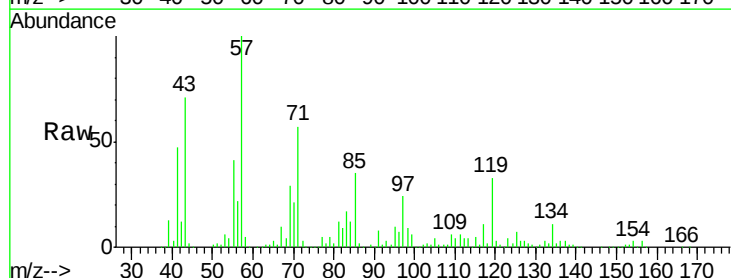
Tgt Ion: 82 Resp: 138992

Ion Ratio Lower Upper

82 100

128 22.0 32.4 48.6#

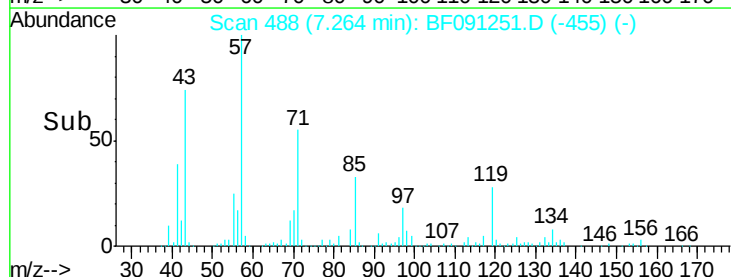
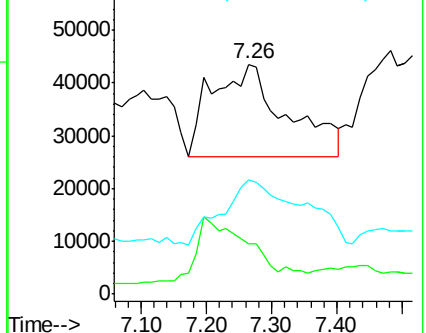
54 50.0 39.2 58.8

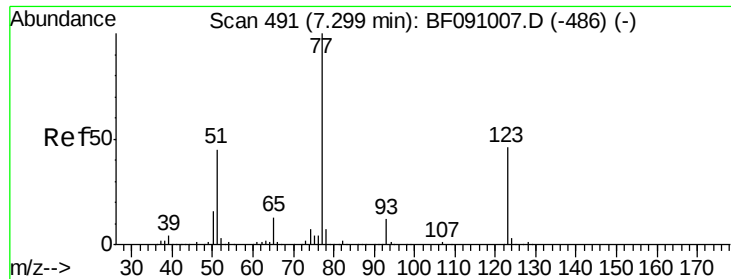


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 32.16 ng

RT: 7.22 min Scan# 484

Delta R.T. 0.01 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

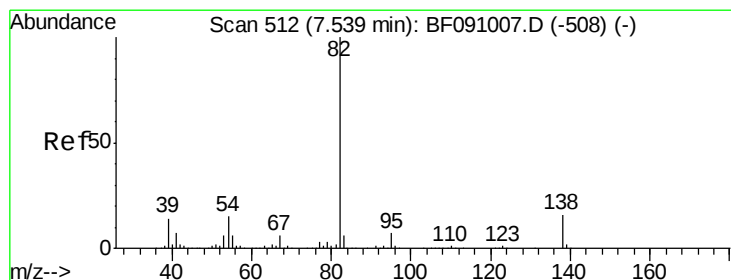
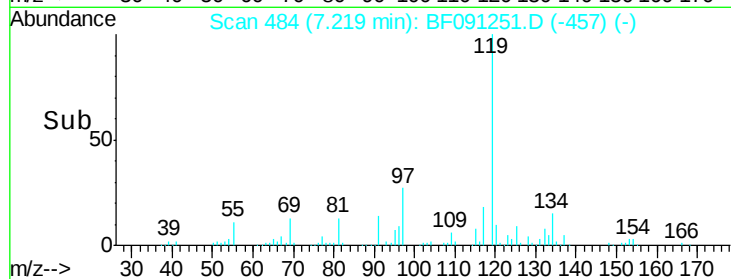
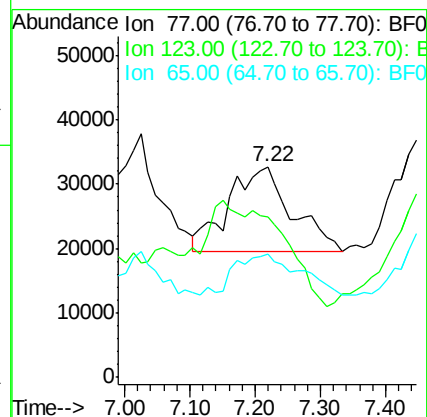
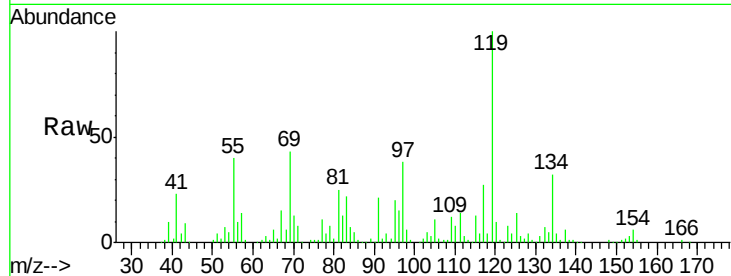
Tgt Ion: 77 Resp: 89115

Ion Ratio Lower Upper

77 100

123 76.0 36.5 54.7#

65 58.8 10.7 16.1#



#25

Isophorone

Concen: 9.49 ng

RT: 7.48 min Scan# 507

Delta R.T. 0.03 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

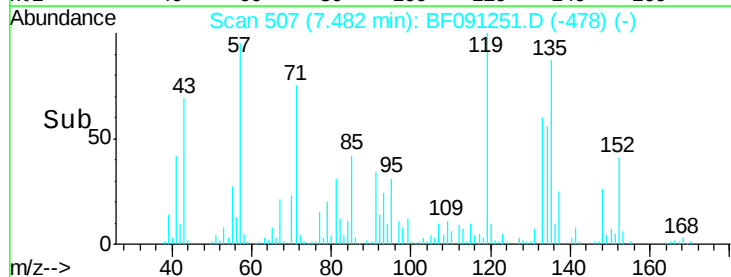
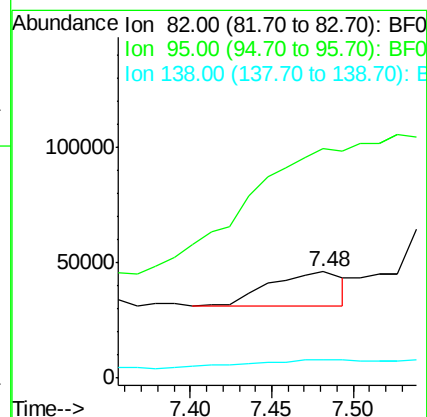
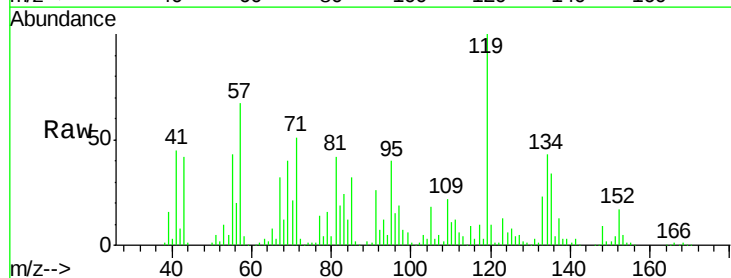
Tgt Ion: 82 Resp: 45885

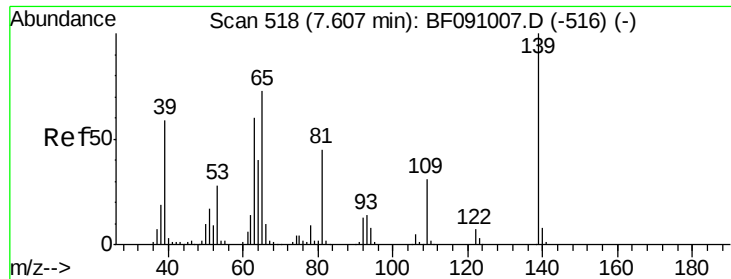
Ion Ratio Lower Upper

82 100

95 215.7 5.4 8.0#

138 16.9 13.0 19.4

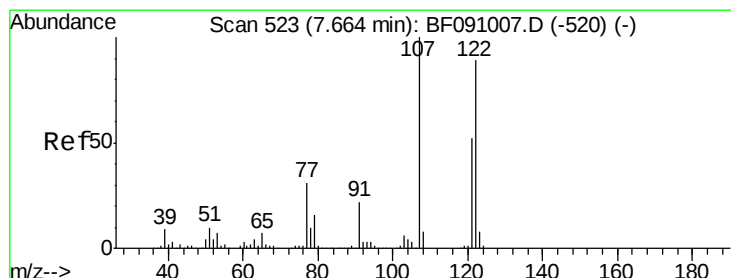
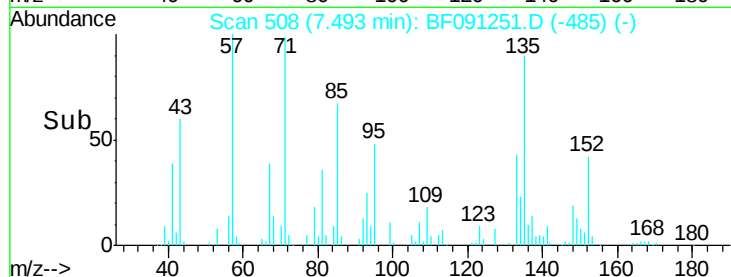
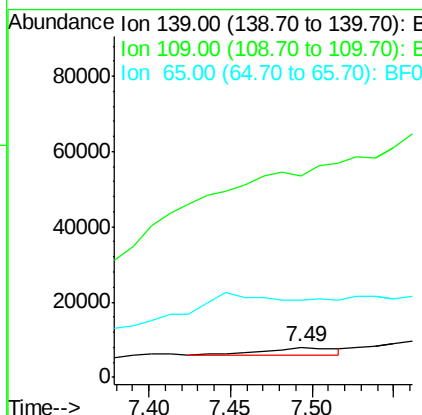
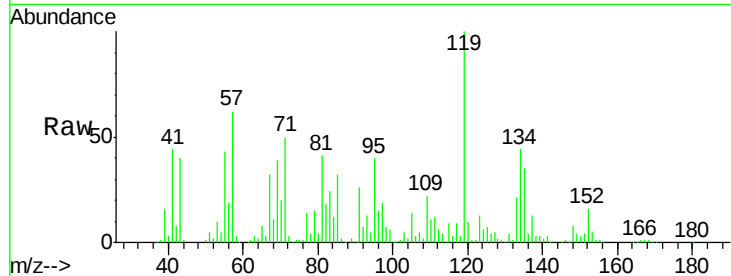




#26
 2-Nitrophenol
 Concen: 5.80 ng
 RT: 7.49 min Scan# 508
 Delta R.T. -0.03 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

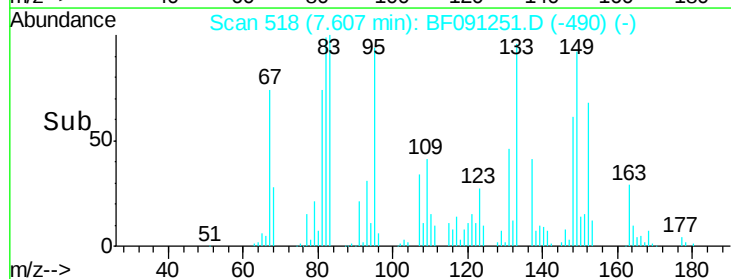
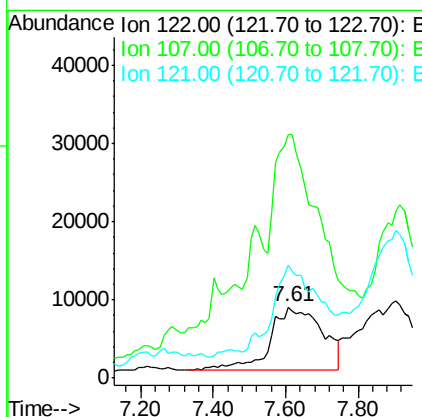
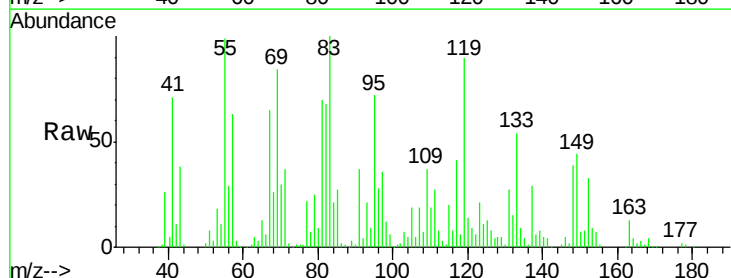
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

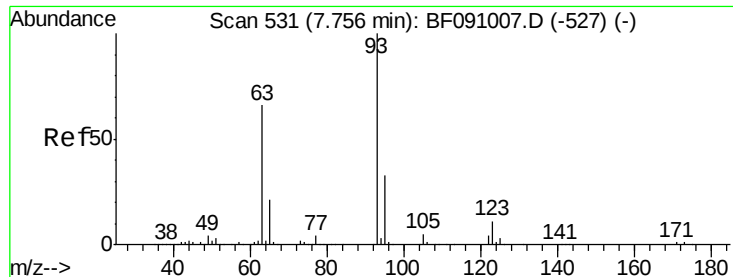
Tgt Ion:139 Resp: 6800
 Ion Ratio Lower Upper
 139 100
 109 664.4 24.7 37.1#
 65 254.9 58.3 87.5#



#27
 2,4-Dimethylphenol
 Concen: 41.33 ng
 RT: 7.61 min Scan# 518
 Delta R.T. 0.02 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Tgt Ion:122 Resp: 80156
 Ion Ratio Lower Upper
 122 100
 107 341.7 89.6 134.4#
 121 159.2 46.3 69.5#

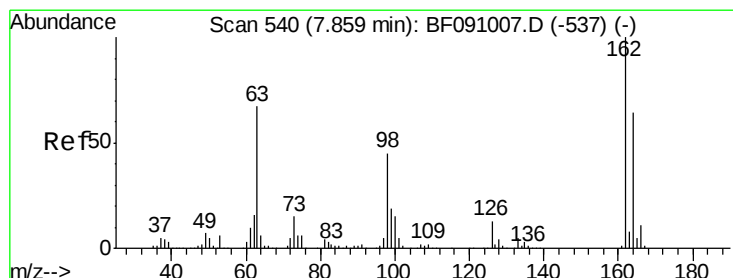
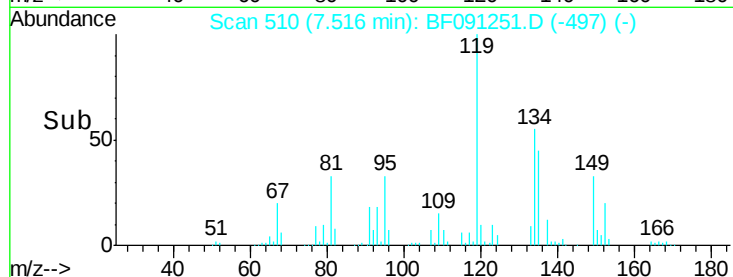
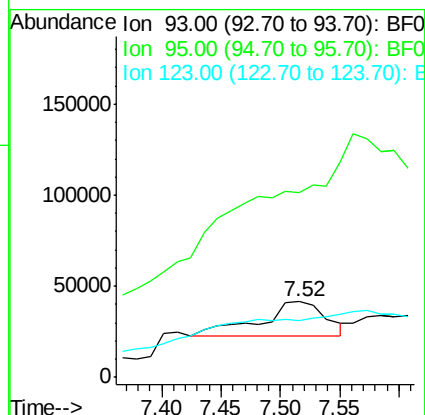
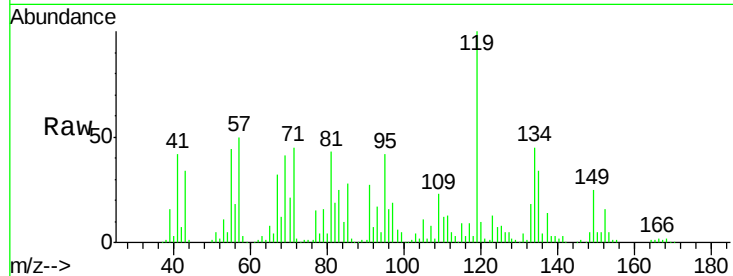




#28
bis(2-Chloroethoxy)methane
Concen: 28.53 ng
RT: 7.52 min Scan# 510
Delta R.T. -0.15 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

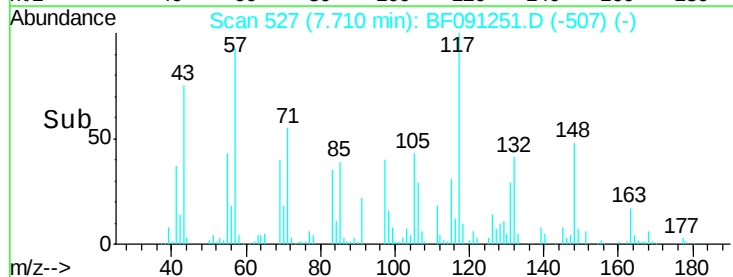
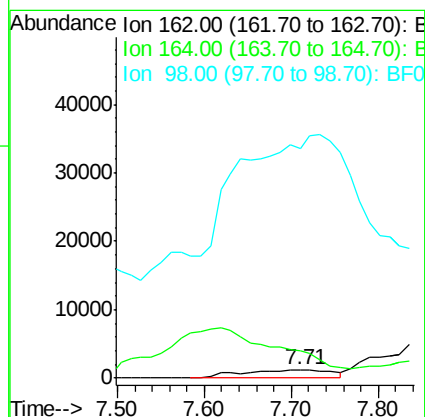
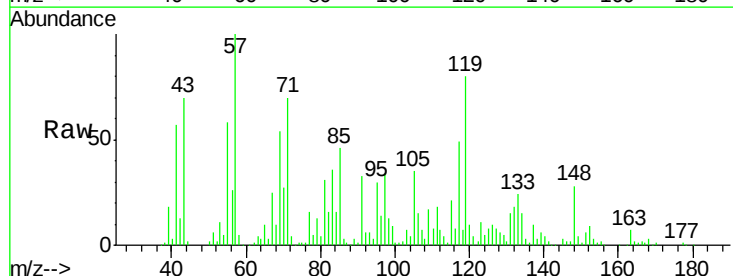
Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

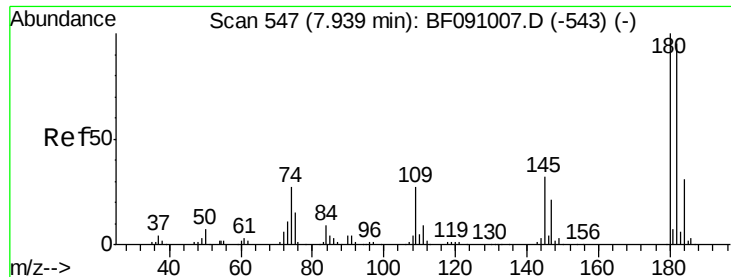
Tgt Ion: 93 Resp: 75353
Ion Ratio Lower Upper
93 100
95 244.2 26.3 39.5#
123 75.0 8.7 13.1#



#29
2,4-Dichlorophenol
Concen: 5.08 ng
RT: 7.71 min Scan# 527
Delta R.T. -0.07 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion: 162 Resp: 8598
Ion Ratio Lower Upper
162 100
164 332.4 44.4 84.4#
98 2750.2 25.2 65.2#

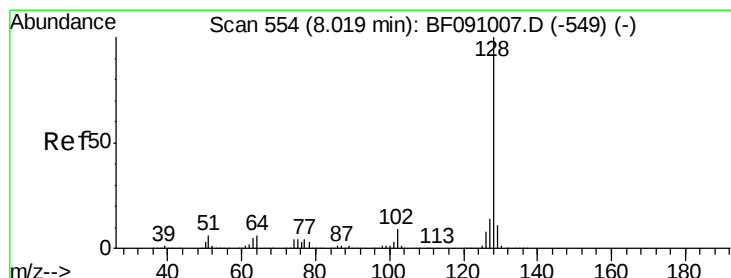
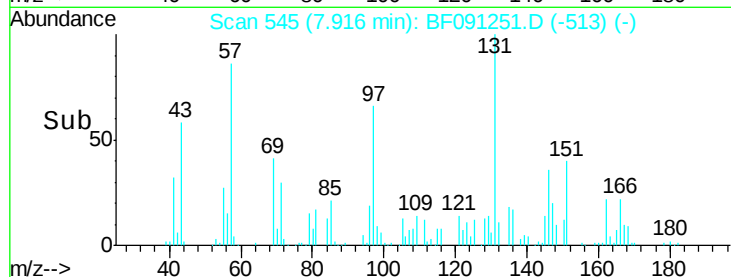
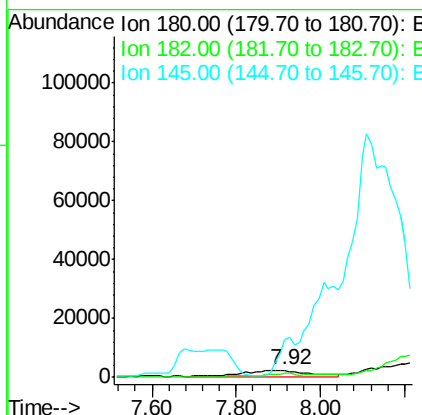
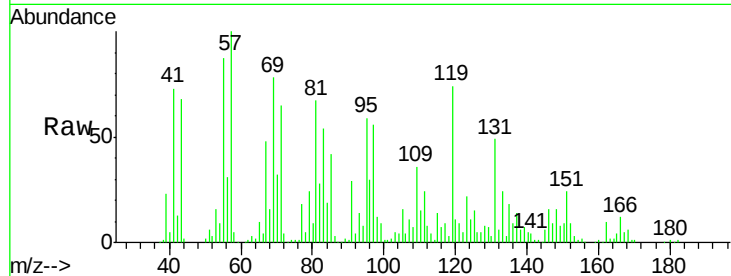




#30
 1,2,4-Trichlorobenzene
 Concen: 12.13 ng
 RT: 7.92 min Scan# 545
 Delta R.T. 0.07 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

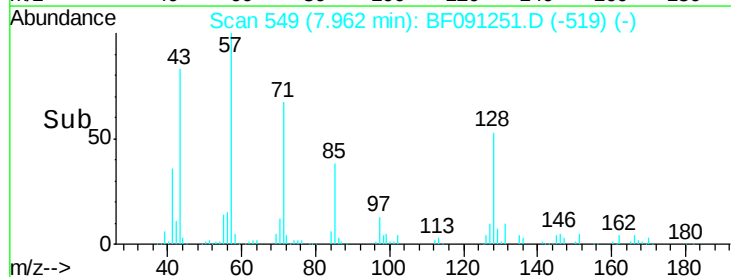
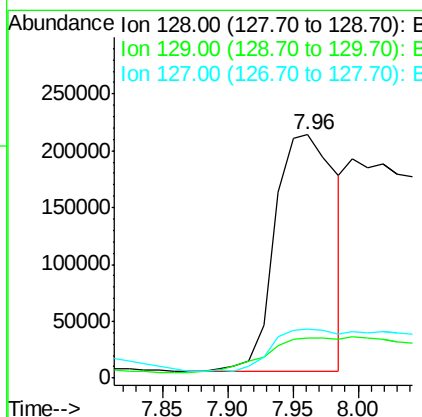
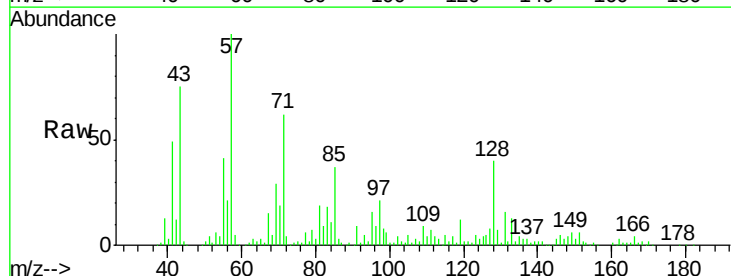
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

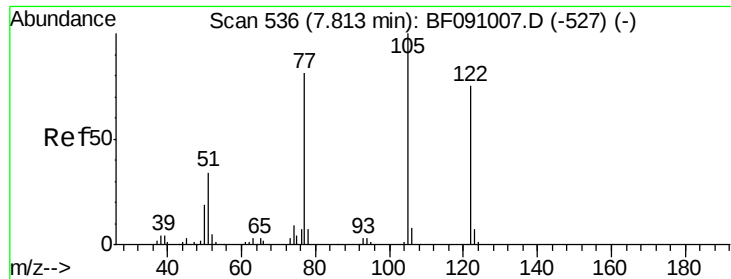
Tgt Ion:180 Resp: 23091
 Ion Ratio Lower Upper
 180 100
 182 52.8 76.0 114.0#
 145 520.3 25.8 38.8#



#31
 Naphthalene
 Concen: 103.49 ng
 RT: 7.96 min Scan# 549
 Delta R.T. 0.05 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Tgt Ion:128 Resp: 677387
 Ion Ratio Lower Upper
 128 100
 129 16.2 9.0 13.6#
 127 20.3 10.9 16.3#

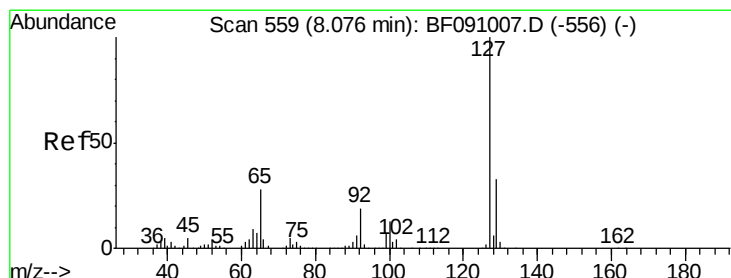
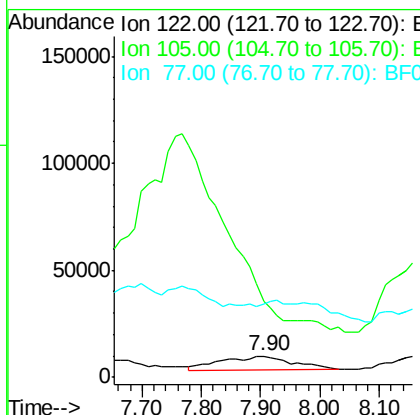
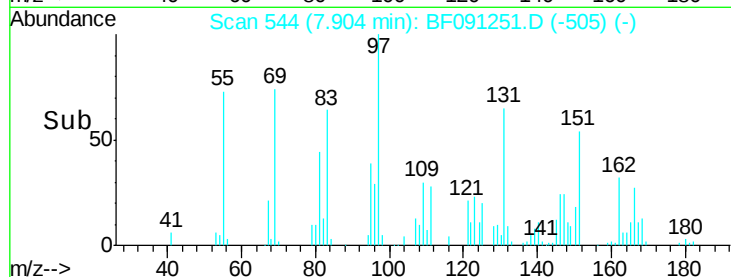
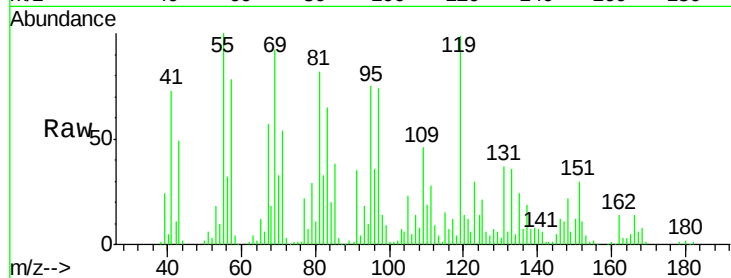




#32
Benzoic acid
Concen: 37.06 ng
RT: 7.90 min Scan# 544
Delta R.T. 0.15 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

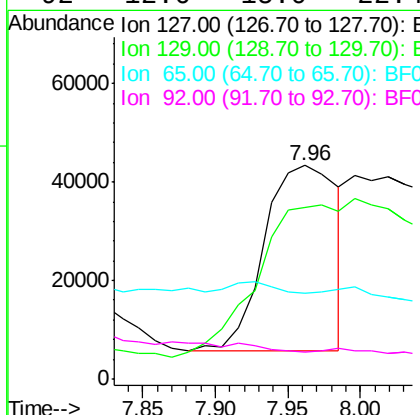
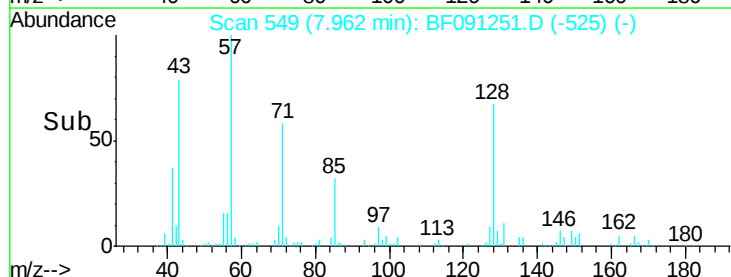
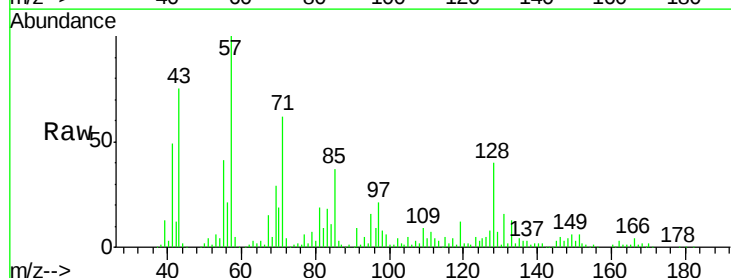
Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

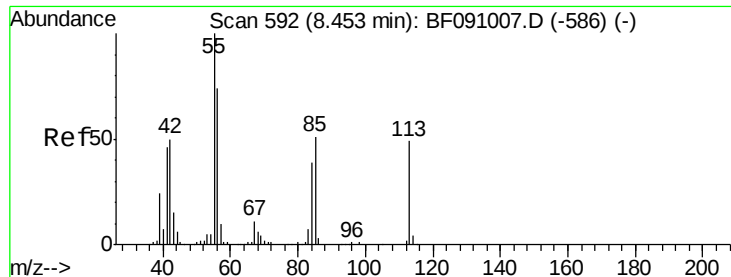
Tgt Ion:122 Resp: 54122
Ion Ratio Lower Upper
122 100
105 362.8 105.9 145.9#
77 349.6 84.0 124.0#



#33
4-Chloroaniline
Concen: 48.21 ng
RT: 7.96 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion:127 Resp: 131241
Ion Ratio Lower Upper
127 100
129 80.2 26.6 39.8#
65 40.4 22.2 33.2#
92 12.6 15.0 22.4#

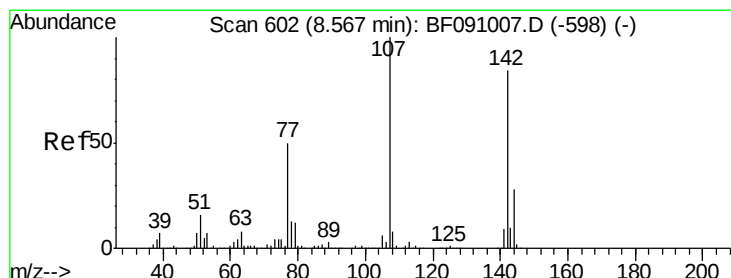
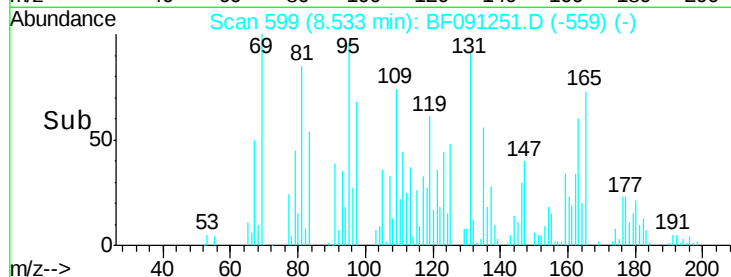
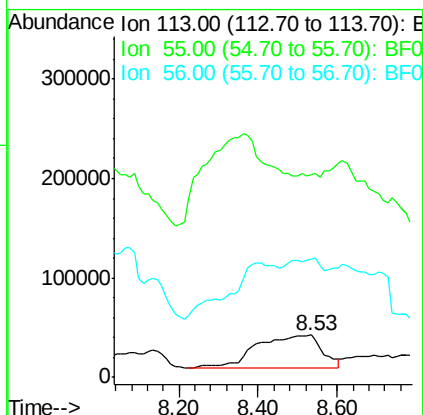
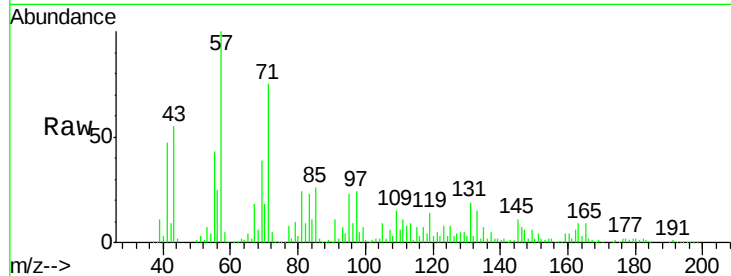




#35
 Caprolactam
 Concen: 712.16 ng
 RT: 8.53 min Scan# 599
 Delta R.T. 0.16 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

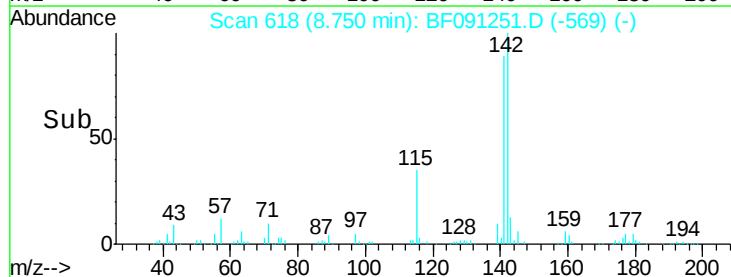
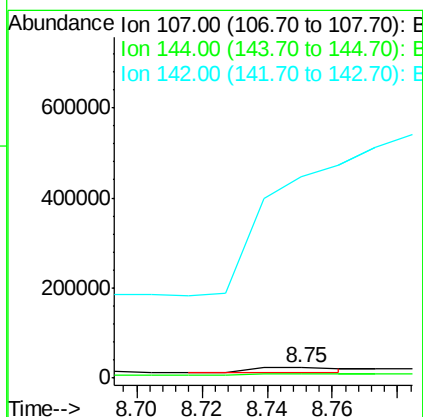
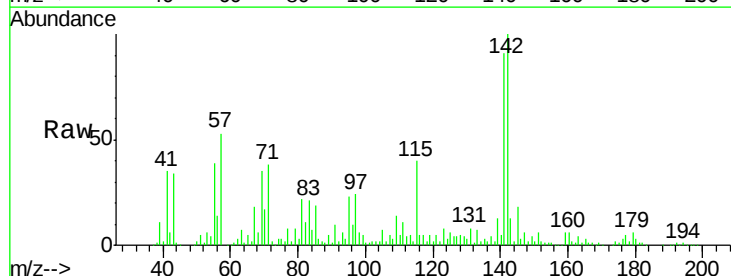
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

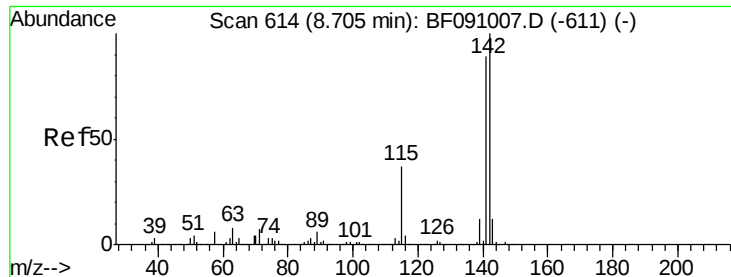
Tgt Ion:113 Resp: 378693
 Ion Ratio Lower Upper
 113 100
 55 480.0 184.1 224.1#
 56 280.6 132.0 172.0#



#36
 4-Chloro-3-methylphenol
 Concen: 10.18 ng
 RT: 8.75 min Scan# 618
 Delta R.T. 0.26 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Tgt Ion:107 Resp: 20861
 Ion Ratio Lower Upper
 107 100
 144 43.2 22.5 33.7#
 142 2005.4 67.4 101.2#

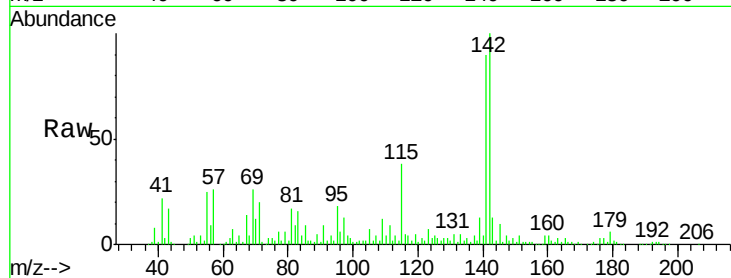




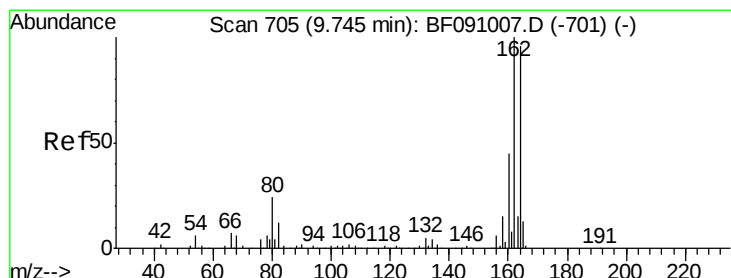
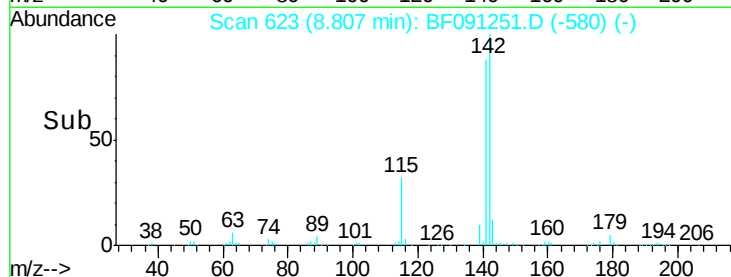
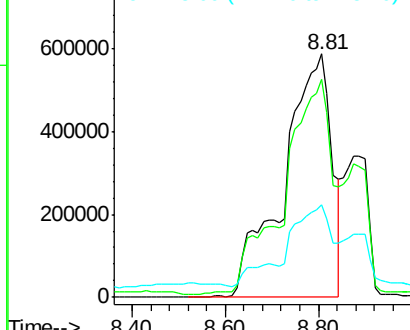
#37
 2-Methylnaphthalene
 Concen: 988.86 ng
 RT: 8.81 min Scan# 623
 Delta R.T. 0.19 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

Tgt Ion:142 Resp: 4161055
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.3 106.9
 115 38.1 29.9 44.9

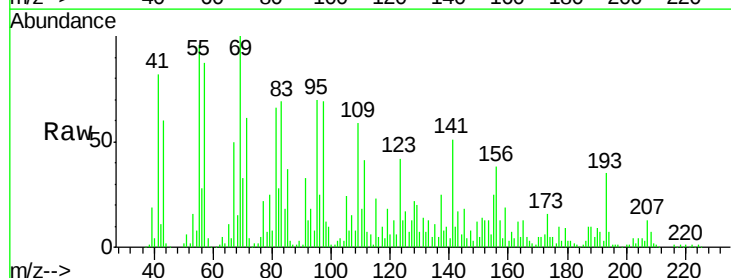


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

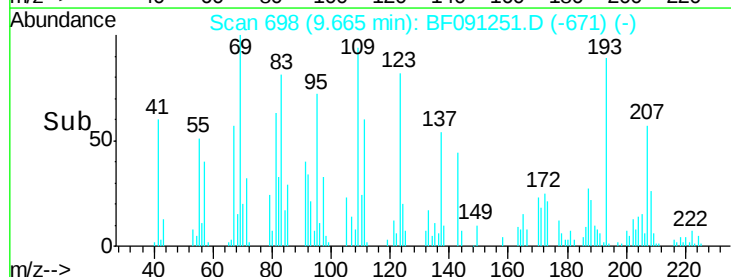
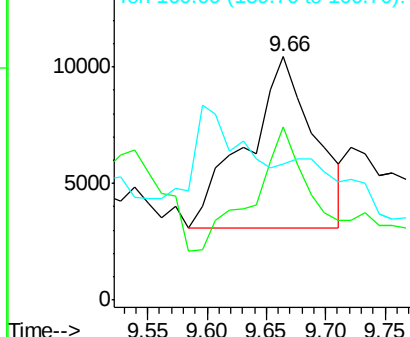


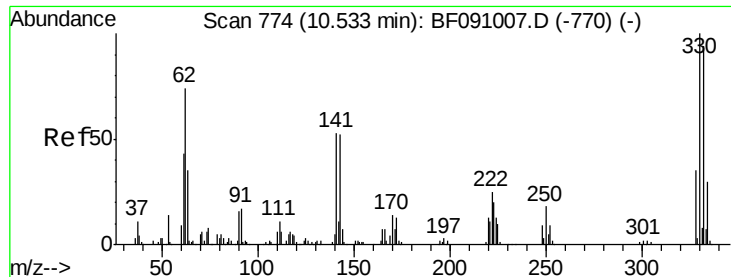
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Tgt Ion:164 Resp: 29172
 Ion Ratio Lower Upper
 164 100
 162 71.4 83.6 125.4#
 160 56.0 37.9 56.9



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

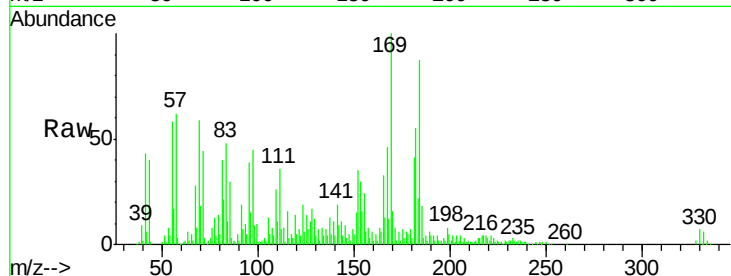




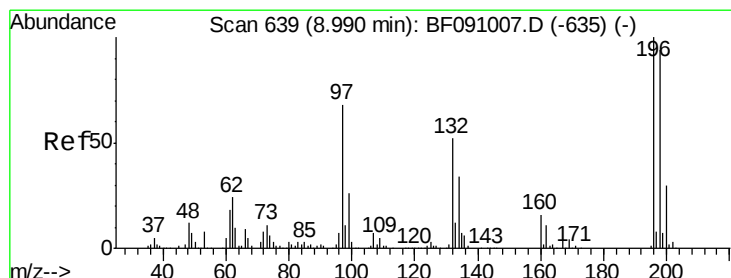
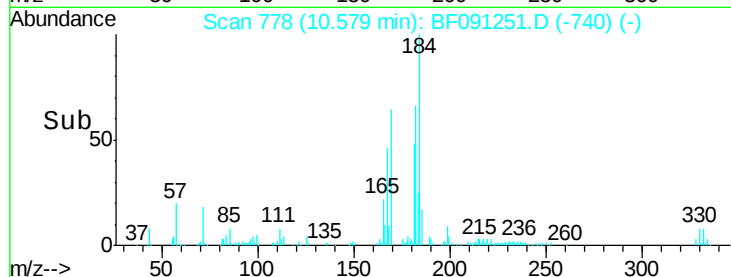
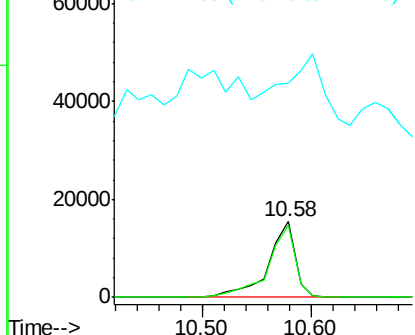
#41
 2,4,6-Tribromophenol
 Concen: 100.65 ng
 RT: 10.58 min Scan# 778
 Delta R.T. 0.14 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

Tgt Ion:330 Resp: 26544
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.9 113.9
 141 0.0 36.1 54.1#

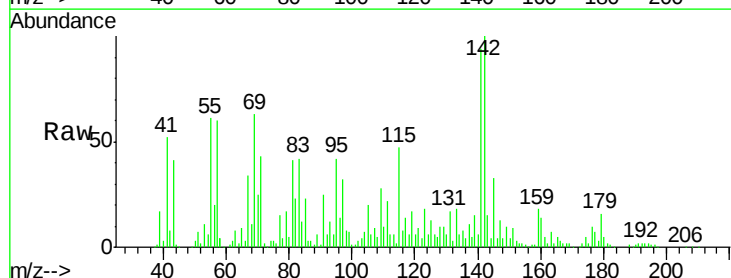


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

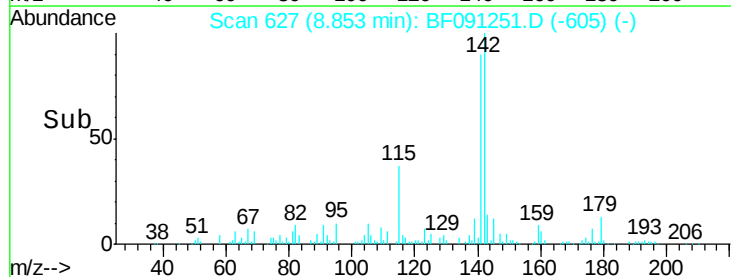
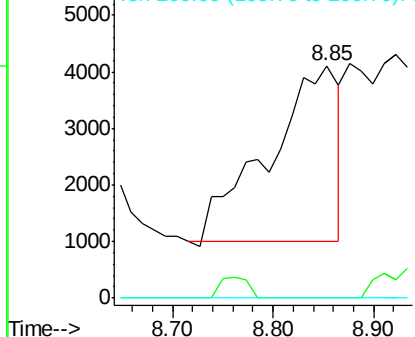


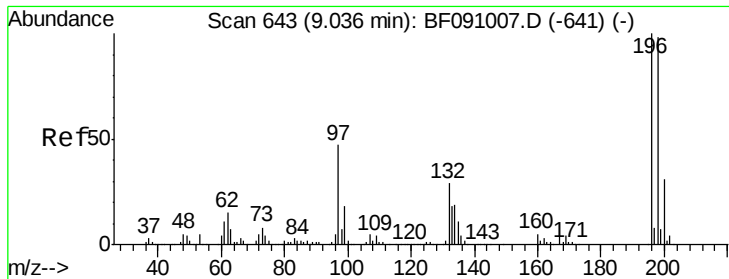
#42
 2,4,6-Trichlorophenol
 Concen: 31.39 ng
 RT: 8.85 min Scan# 627
 Delta R.T. -0.05 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Tgt Ion:196 Resp: 15074
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.4 113.0#
 200 0.0 24.1 36.1#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

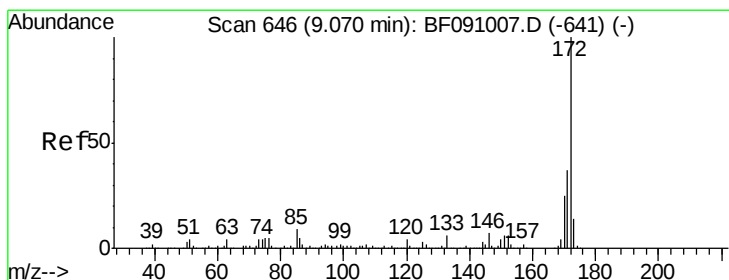
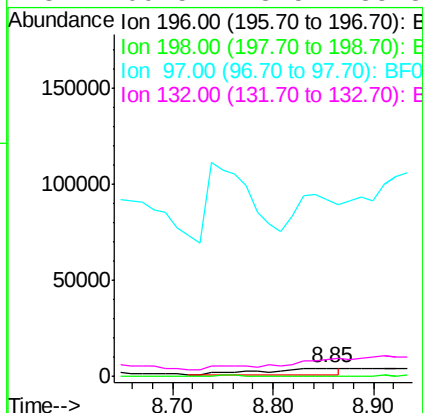
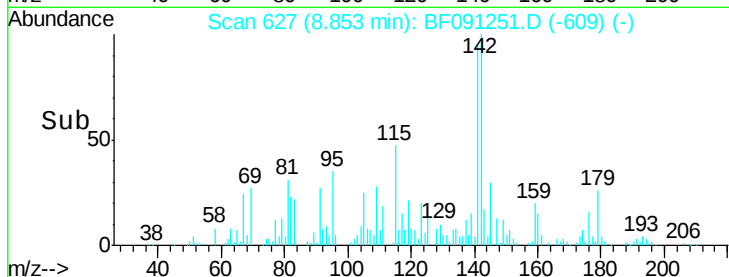
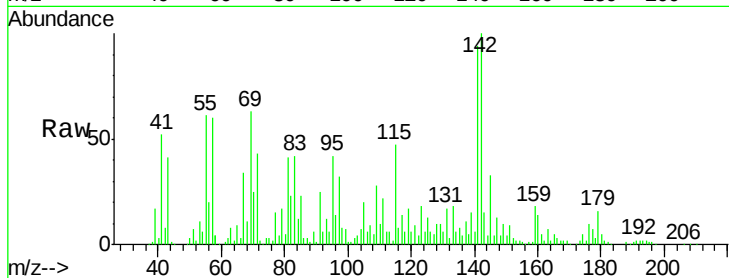




#43
 2,4,5-Trichlorophenol
 Concen: 29.90 ng
 RT: 8.85 min Scan# 627
 Delta R.T. -0.09 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

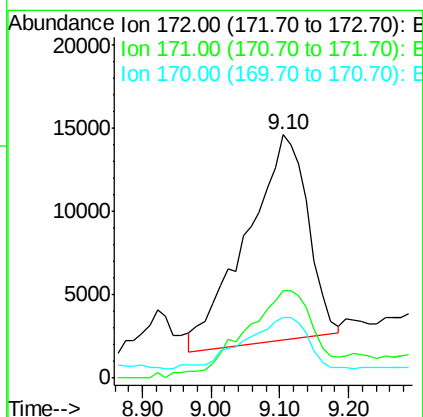
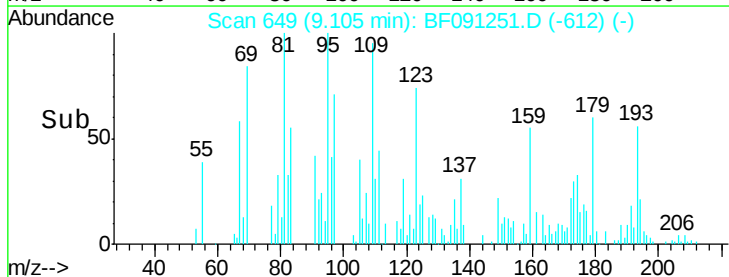
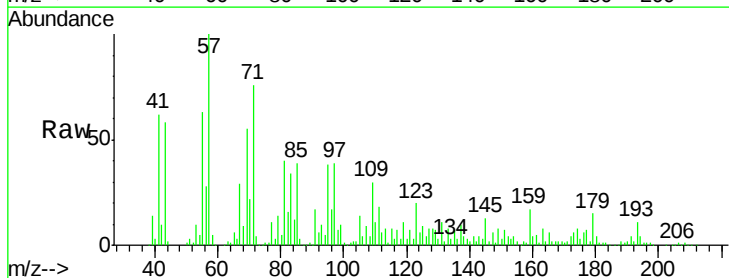
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

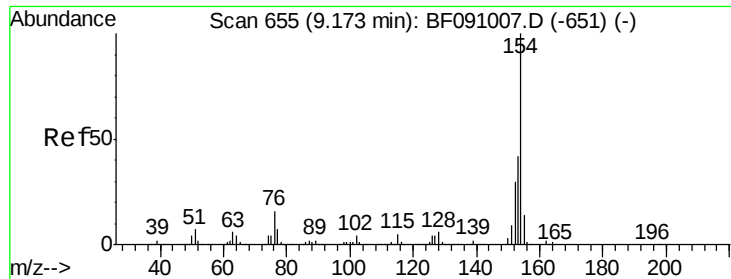
Tgt Ion:196 Resp: 15074
 Ion Ratio Lower Upper
 196 100
 198 0.0 78.2 117.4#
 97 2235.9 38.8 58.2#
 132 209.5 23.5 35.3#



#44
 2-Fluorobiphenyl
 Concen: 44.98 ng
 RT: 9.10 min Scan# 649
 Delta R.T. 0.13 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Tgt Ion:172 Resp: 76223
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.8 44.6
 170 25.0 20.3 30.5

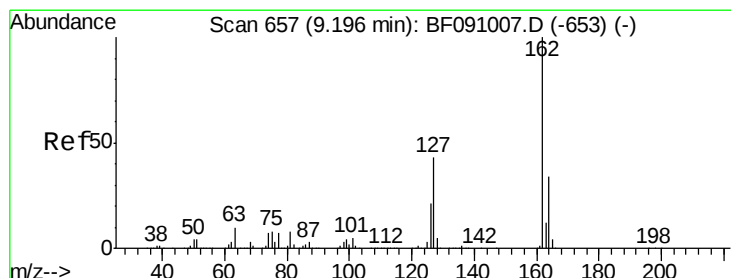
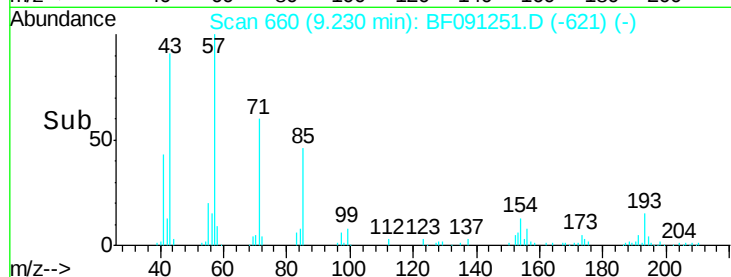
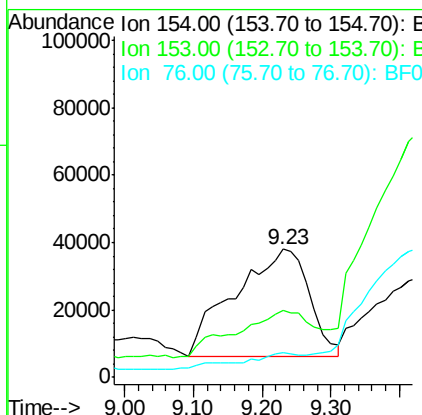
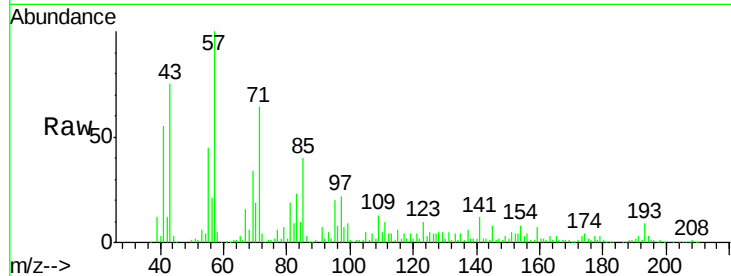




#45
 1,1'-Biphenyl
 Concen: 113.97 ng
 RT: 9.23 min Scan# 660
 Delta R.T. 0.15 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

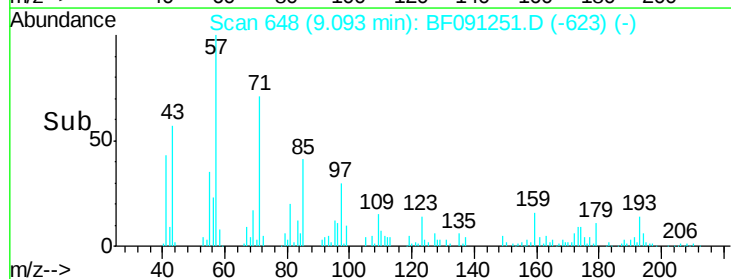
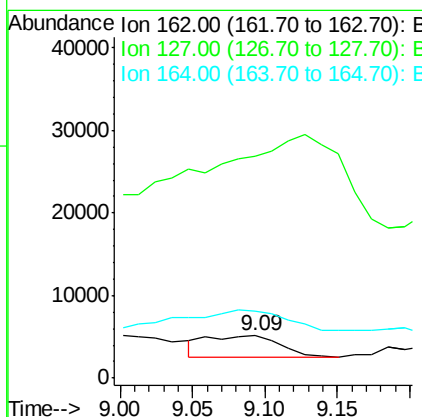
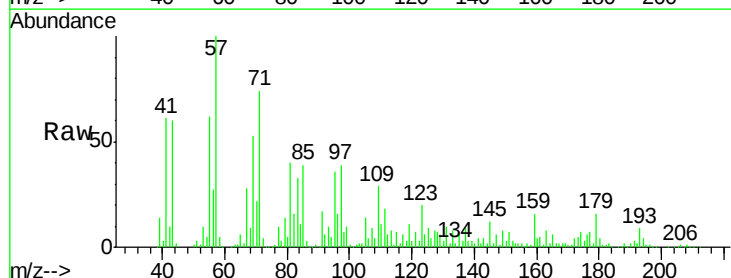
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2DL

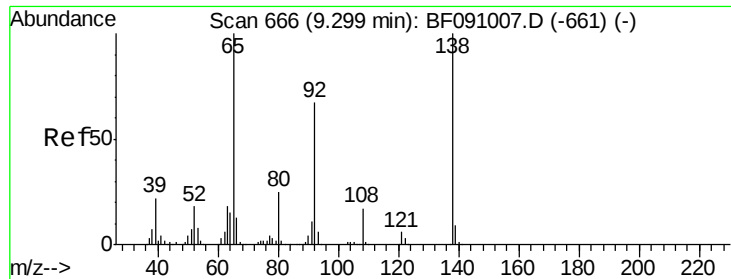
Tgt Ion:154 Resp: 242766
 Ion Ratio Lower Upper
 154 100
 153 51.9 21.6 61.6
 76 19.2 0.0 36.2



#46
 2-Chloronaphthalene
 Concen: 5.78 ng
 RT: 9.09 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF091251.D
 Acq: 18 Nov 2016 23:36

Tgt Ion:162 Resp: 9353
 Ion Ratio Lower Upper
 162 100
 127 524.0 34.7 52.1#
 164 156.9 27.0 40.4#





#47

2-Nitroaniline

Concen: 117.49 ng

RT: 9.38 min Scan# 673

Delta R.T. 0.17 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

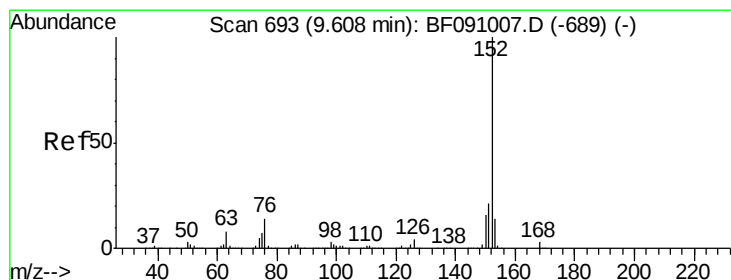
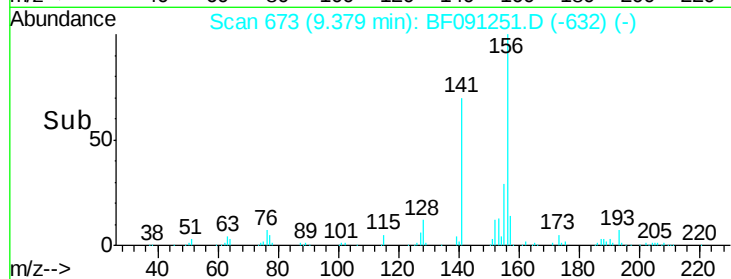
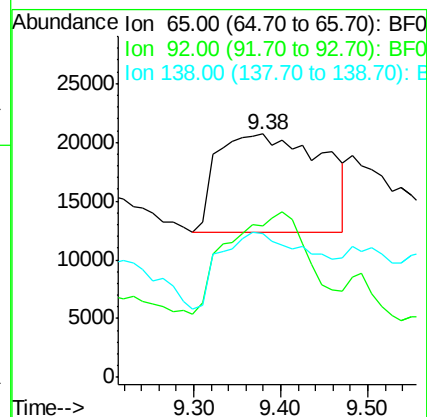
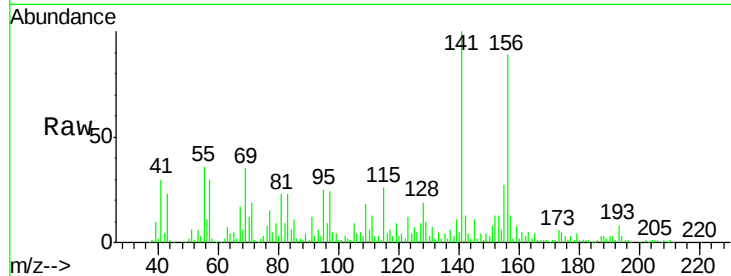
Tgt Ion: 65 Resp: 70512

Ion Ratio Lower Upper

65 100

92 61.9 53.9 80.9

138 59.0 80.1 120.1#



#48

Acenaphthylene

Concen: 172.67 ng

RT: 9.45 min Scan# 679

Delta R.T. -0.07 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

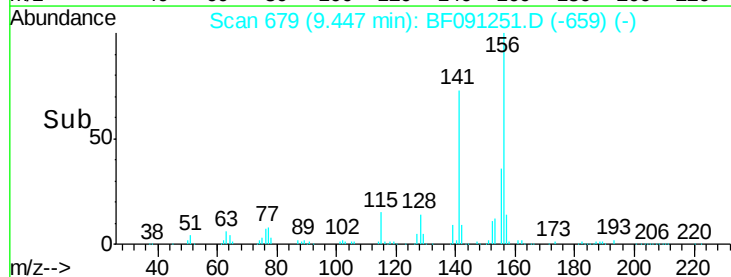
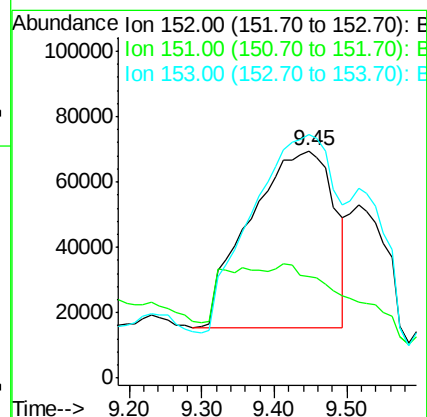
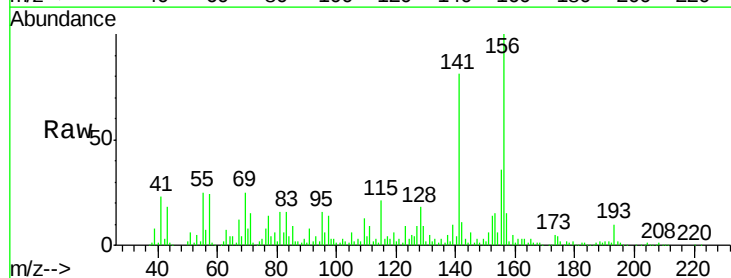
Tgt Ion: 152 Resp: 435186

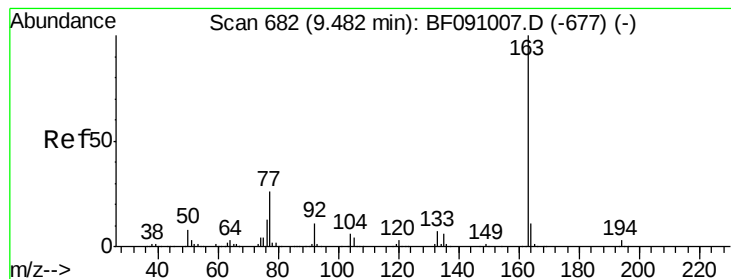
Ion Ratio Lower Upper

152 100

151 45.0 16.7 25.1#

153 107.2 11.1 16.7#





#49

Dimethylphthalate

Concen: 14.82 ng

RT: 9.36 min Scan# 671

Delta R.T. -0.03 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

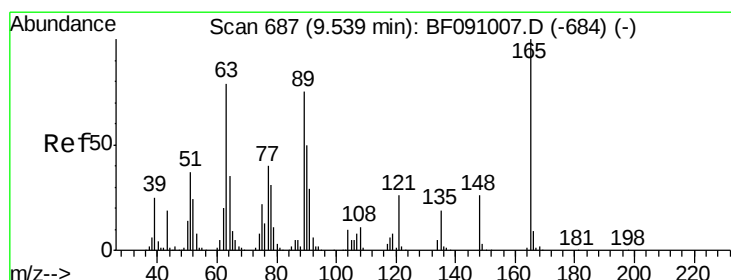
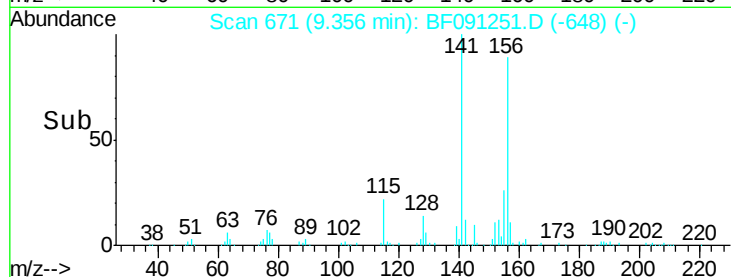
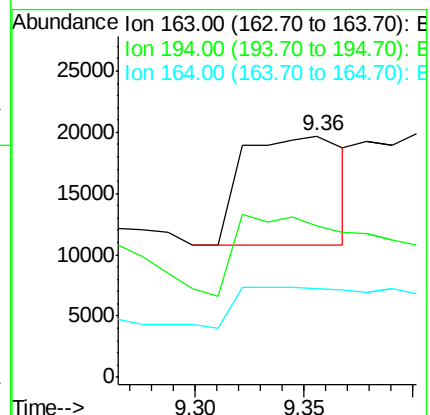
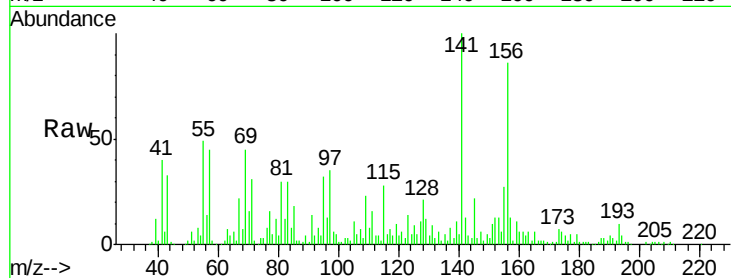
Tgt Ion:163 Resp: 28350

Ion Ratio Lower Upper

163 100

194 63.1 2.6 4.0#

164 36.6 8.7 13.1#



#50

2,6-Dinitrotoluene

Concen: 9.39 ng

RT: 9.49 min Scan# 683

Delta R.T. 0.03 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

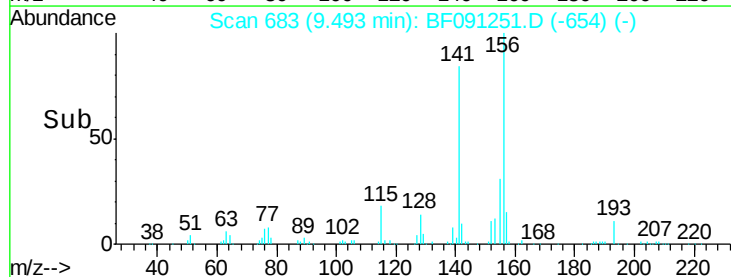
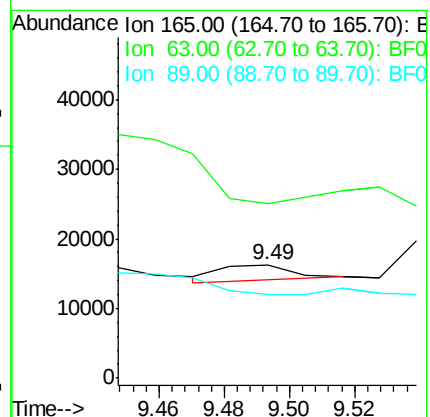
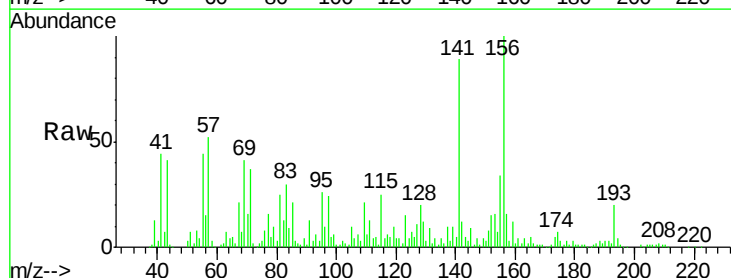
Tgt Ion:165 Resp: 3849

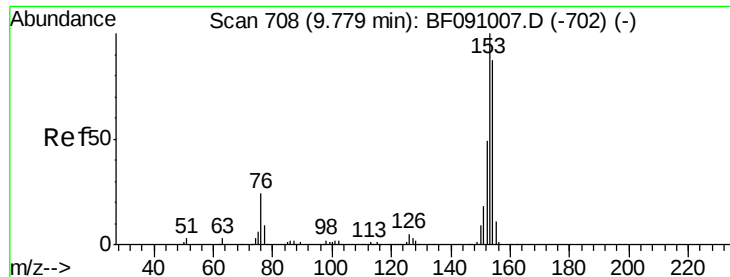
Ion Ratio Lower Upper

165 100

63 154.0 65.6 98.4#

89 74.2 59.8 89.6





#51

Acenaphthene

Concen: 26.21 ng

RT: 9.63 min Scan# 695

Delta R.T. -0.06 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

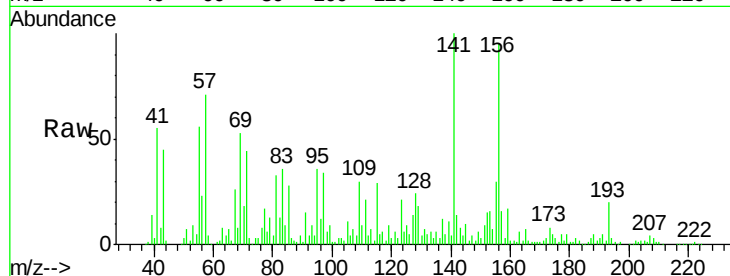
Tgt Ion:154 Resp: 41475

Ion Ratio Lower Upper

154 100

153 224.0 91.6 137.4#

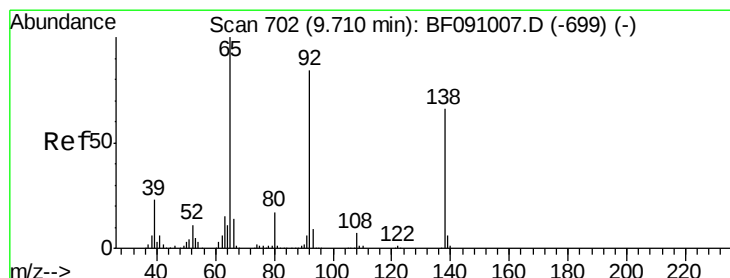
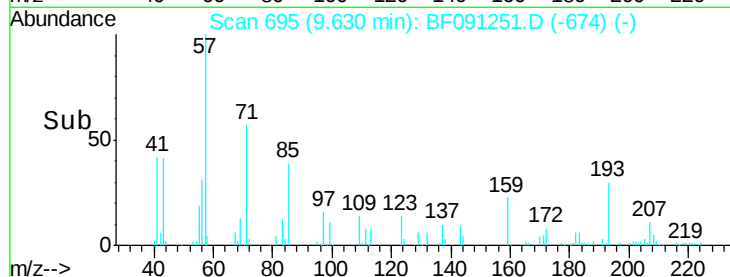
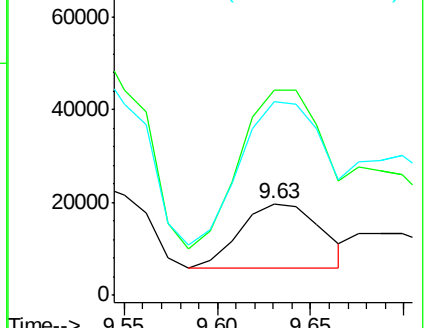
152 211.9 44.6 67.0#



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: 112.65 ng

RT: 9.66 min Scan# 698

Delta R.T. 0.03 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

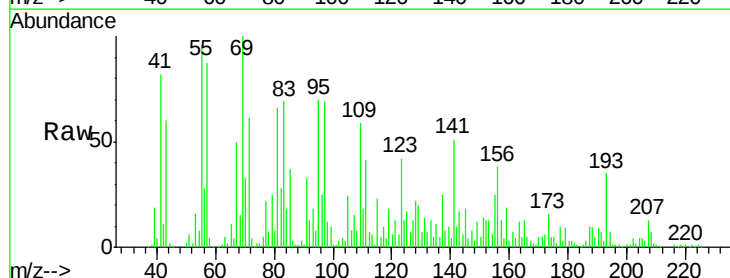
Tgt Ion:138 Resp: 54763

Ion Ratio Lower Upper

138 100

108 93.1 8.4 12.6#

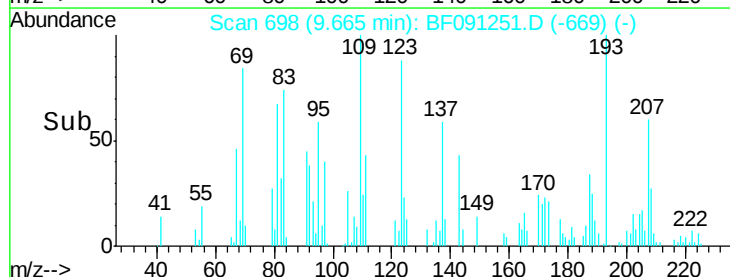
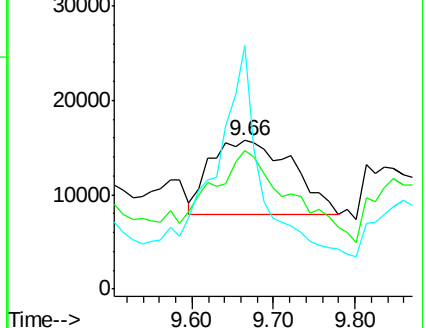
92 164.0 101.1 151.7#

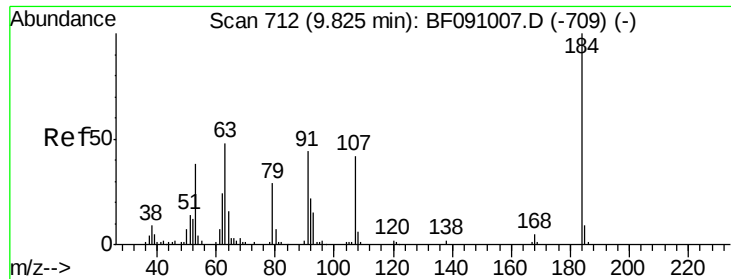


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

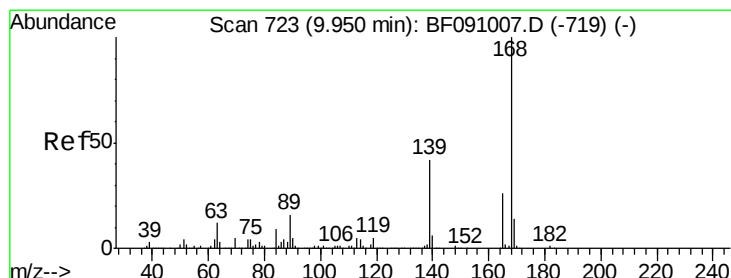
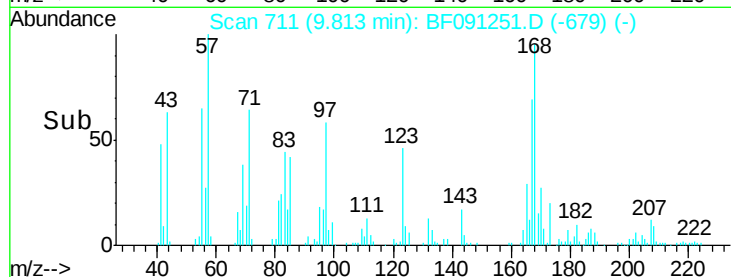
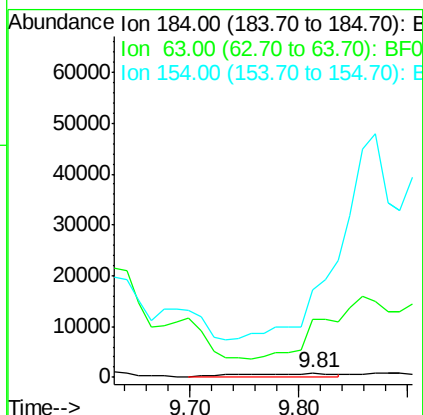
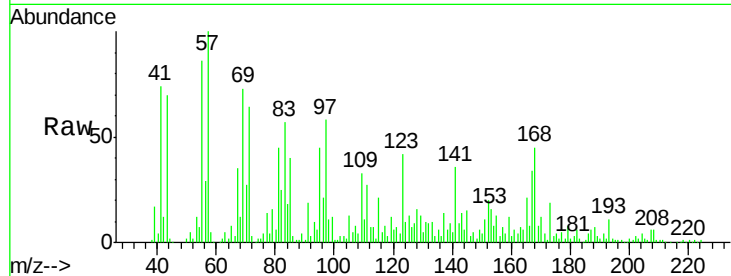




#53
2,4-Dinitrophenol
Concen: 25.07 ng
RT: 9.81 min Scan# 711
Delta R.T. 0.07 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

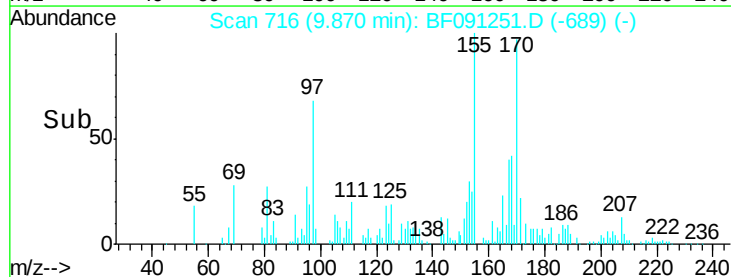
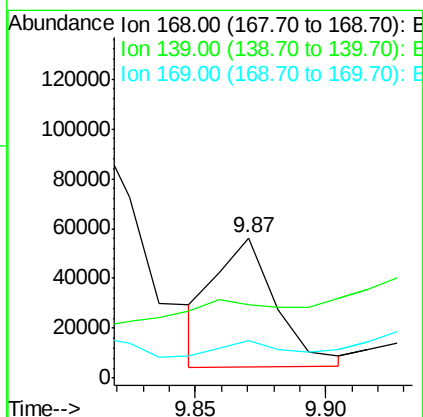
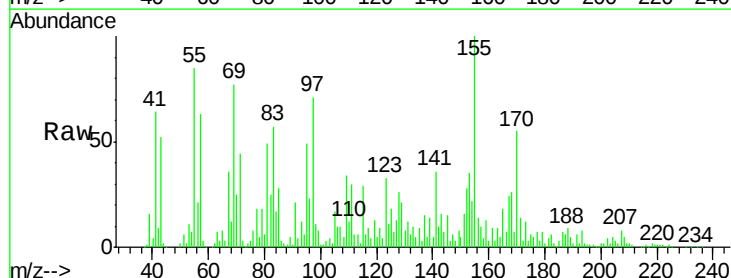
Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

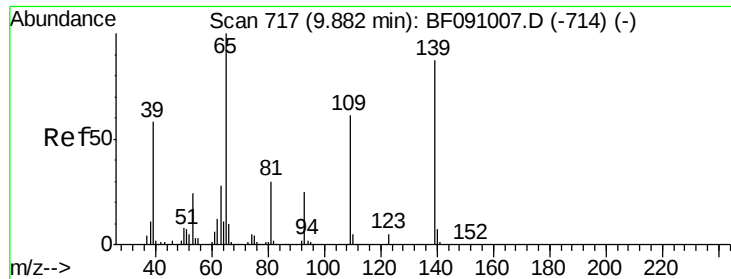
Tgt Ion:184 Resp: 4557
Ion Ratio Lower Upper
184 100
63 1266.6 45.5 68.3#
154 1925.6 51.0 76.4#



#54
Dibenzofuran
Concen: 39.52 ng
RT: 9.87 min Scan# 716
Delta R.T. 0.01 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion:168 Resp: 84180
Ion Ratio Lower Upper
168 100
139 52.7 34.8 52.2#
169 26.5 11.4 17.2#

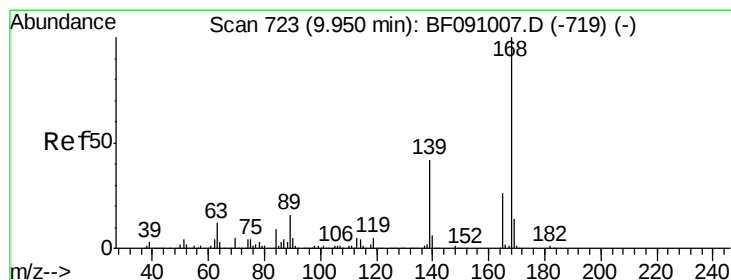
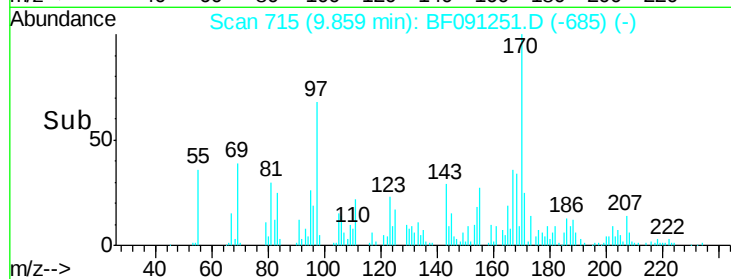
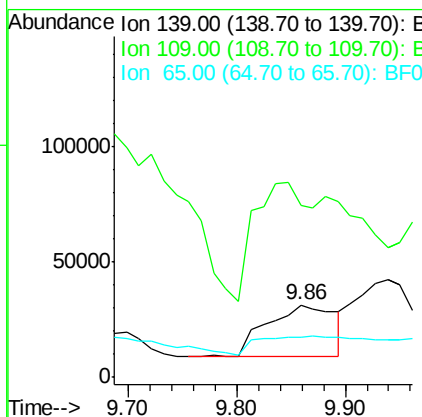
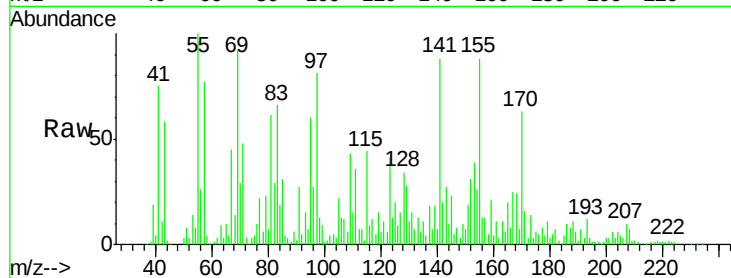




#55
4-Nitrophenol
Concen: 280.43 ng
RT: 9.86 min Scan# 715
Delta R.T. 0.05 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

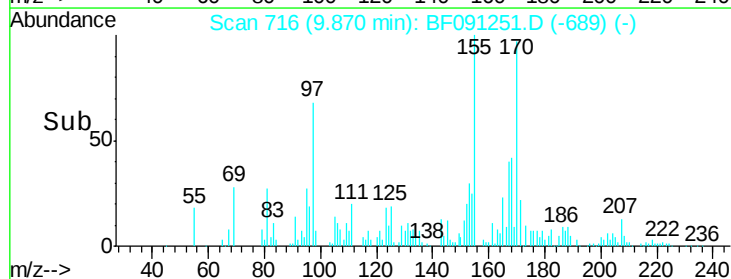
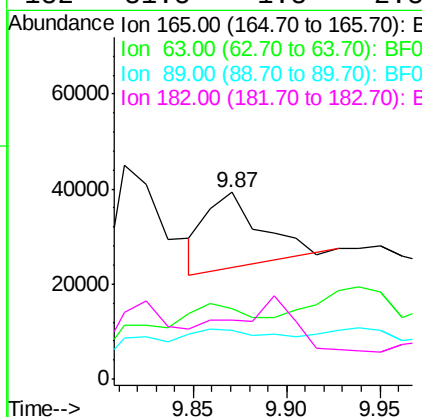
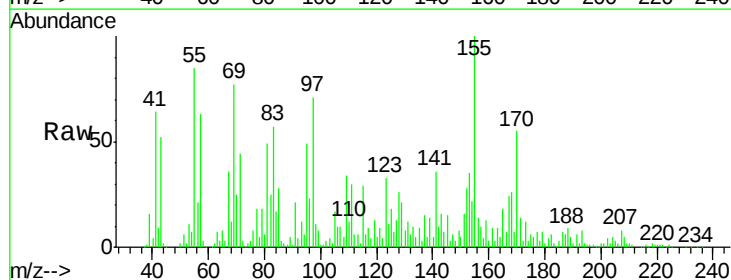
Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

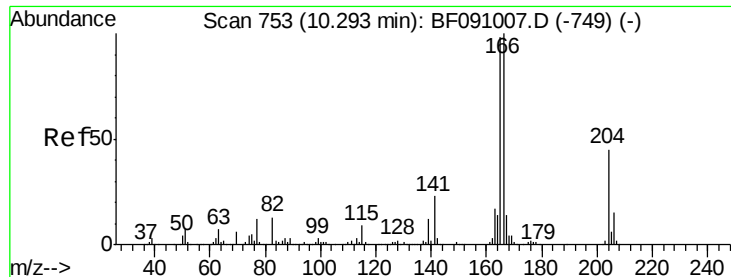
Tgt Ion:139 Resp: 95799
Ion Ratio Lower Upper
139 100
109 237.0 50.5 90.5#
65 56.0 97.1 137.1#



#56
2,4-Dinitrotoluene
Concen: 63.77 ng
RT: 9.87 min Scan# 716
Delta R.T. 0.01 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion:165 Resp: 33260
Ion Ratio Lower Upper
165 100
63 38.0 38.7 58.1#
89 26.0 50.6 76.0#
182 31.5 1.8 2.8#





#57

Fluorene

Concen: 6.94 ng

RT: 10.14 min Scan# 740

Delta R.T. -0.06 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

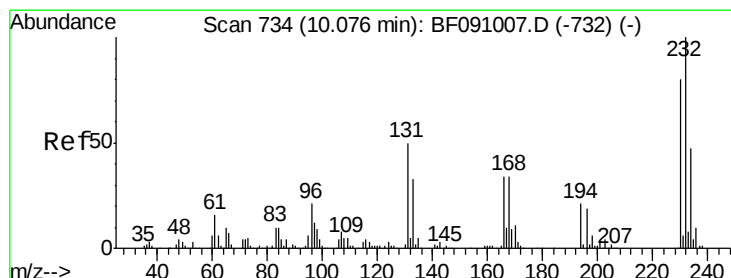
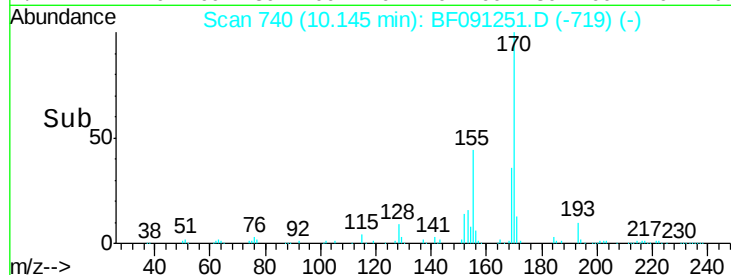
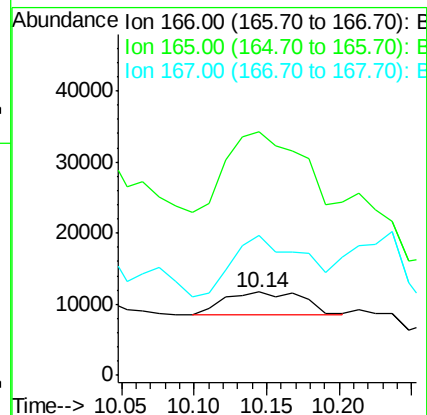
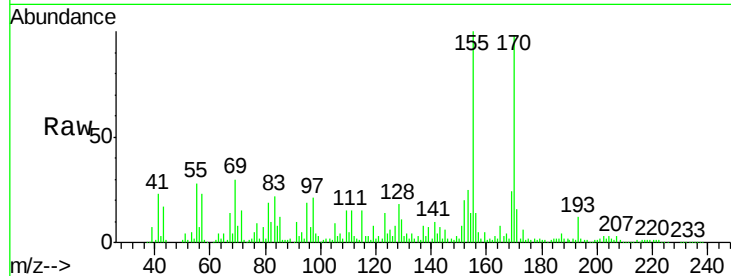
Tgt Ion:166 Resp: 12090

Ion Ratio Lower Upper

166 100

165 291.7 78.6 118.0#

167 168.0 11.1 16.7#



#58

2,3,4,6-Tetrachlorophenol

Concen: 18.98 ng

RT: 10.00 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Tgt Ion:232 Resp: 7495

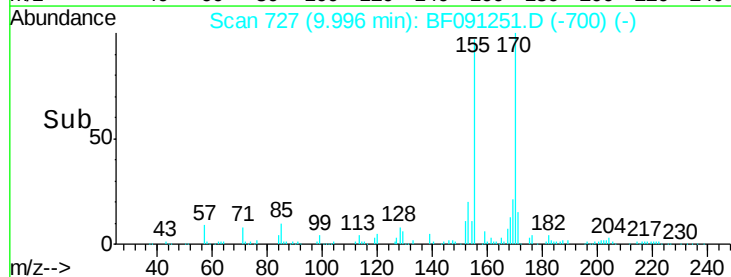
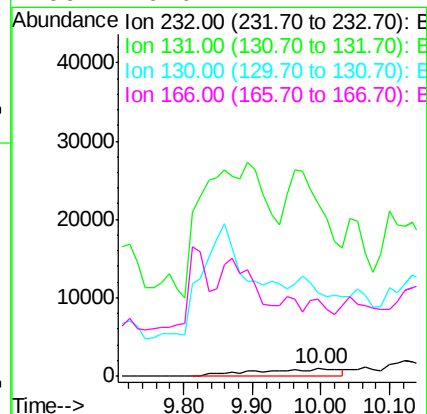
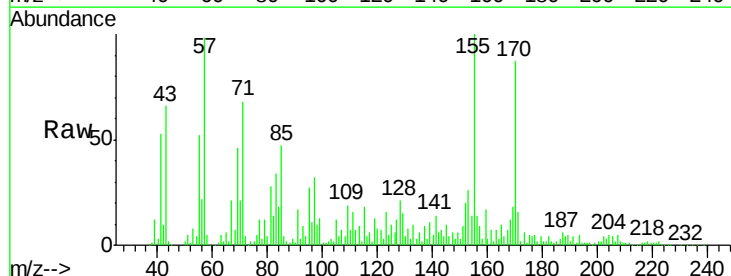
Ion Ratio Lower Upper

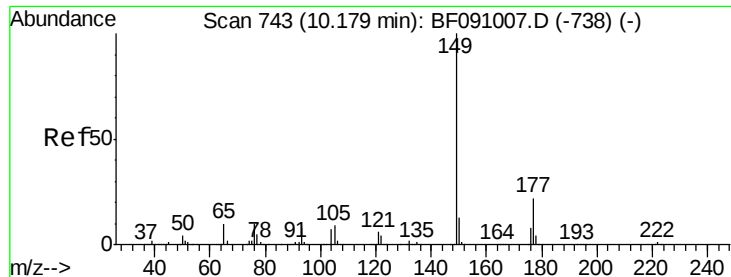
232 100

131 0.0 43.6 65.4#

130 0.0 2.0 3.0#

166 0.0 27.4 41.2#

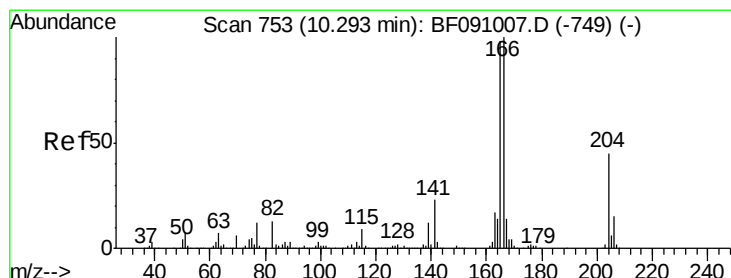
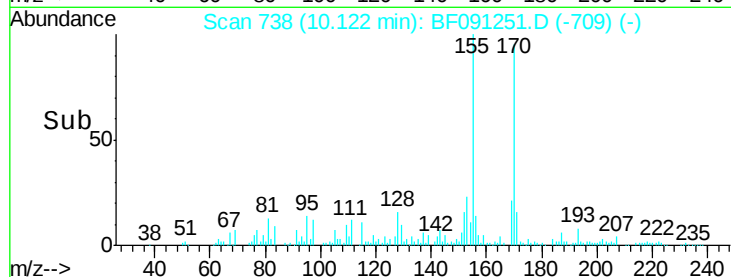
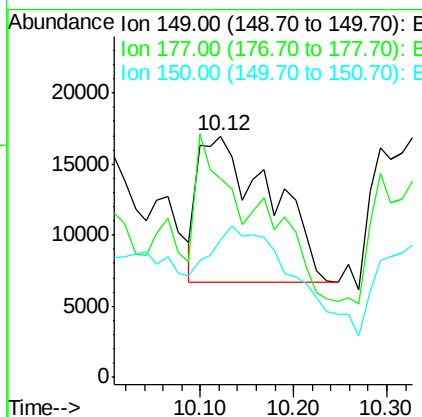
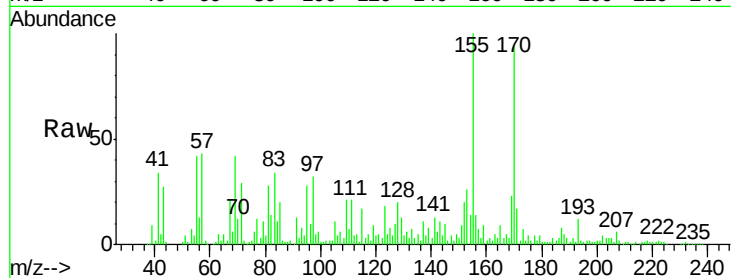




#59
Diethylphthalate
Concen: 27.98 ng
RT: 10.12 min Scan# 738
Delta R.T. 0.03 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

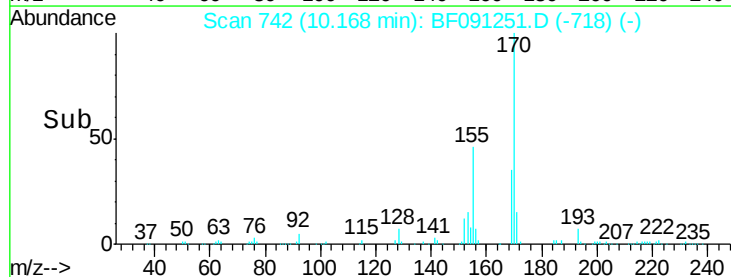
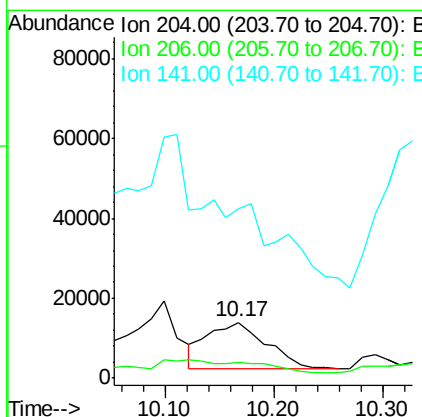
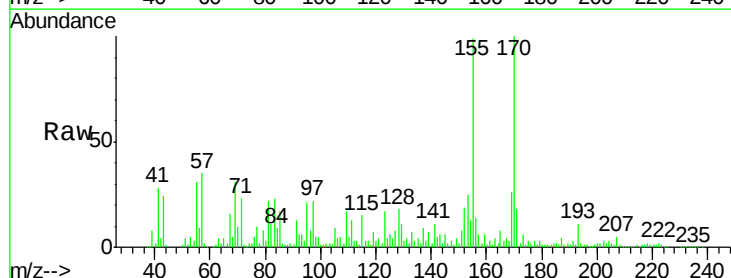
Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

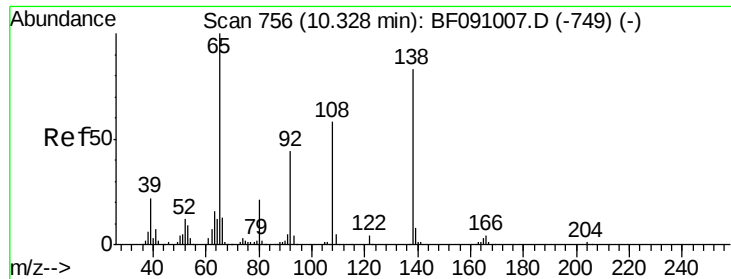
Tgt Ion:149 Resp: 54878
Ion Ratio Lower Upper
149 100
177 82.3 17.3 25.9#
150 56.9 10.3 15.5#



#60
4-Chlorophenyl-phenylether
Concen: 56.09 ng
RT: 10.17 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion:204 Resp: 44441
Ion Ratio Lower Upper
204 100
206 28.9 27.1 40.7
141 302.7 40.1 60.1#

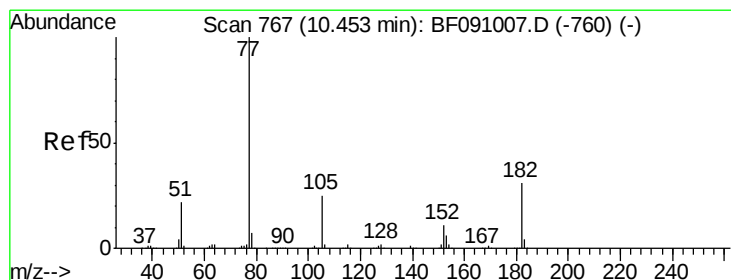
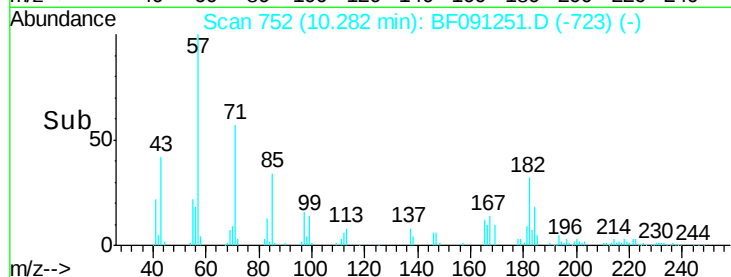
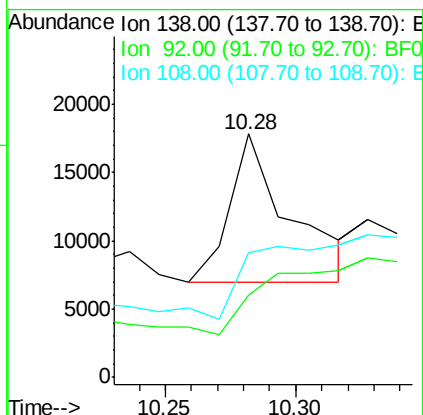
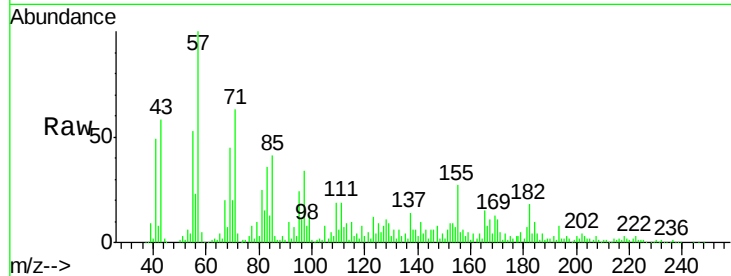




#61
4-Nitroaniline
Concen: 35.40 ng
RT: 10.28 min Scan# 752
Delta R.T. 0.03 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

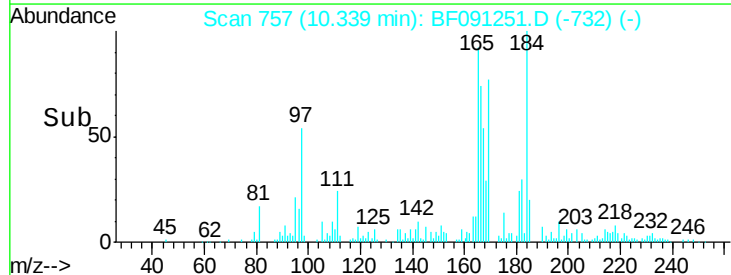
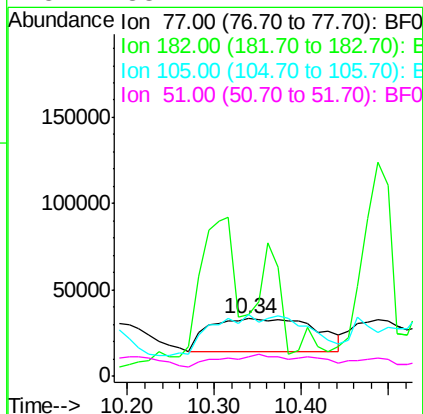
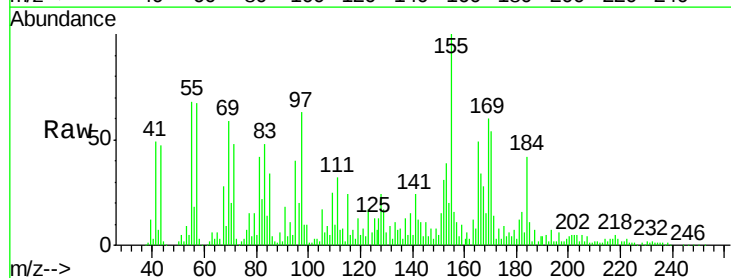
Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

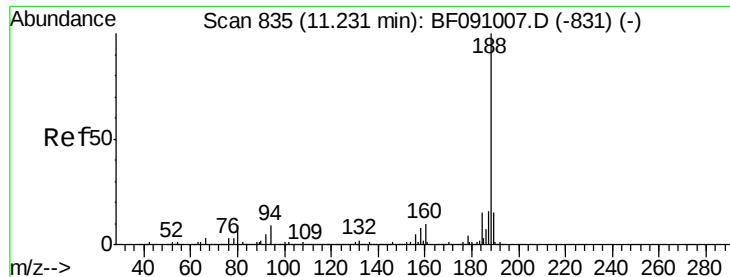
Tgt Ion: 138 Resp: 17409
Ion Ratio Lower Upper
138 100
92 34.1 32.5 72.5
108 51.0 49.4 89.4



#62
Azobenzene
Concen: 71.79 ng
RT: 10.34 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion: 77 Resp: 165750
Ion Ratio Lower Upper
77 100
182 106.6 11.0 51.0#
105 108.0 5.6 45.6#
51 33.4 2.7 42.7

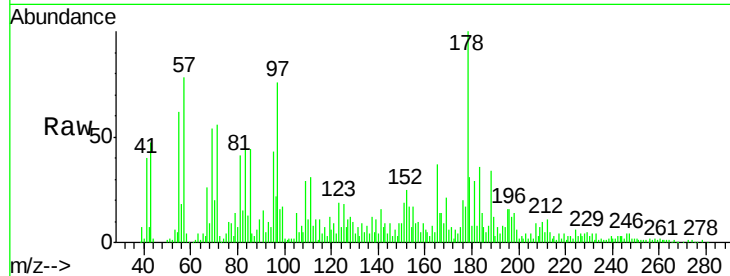




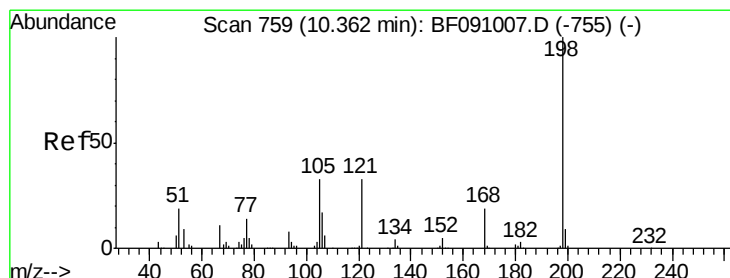
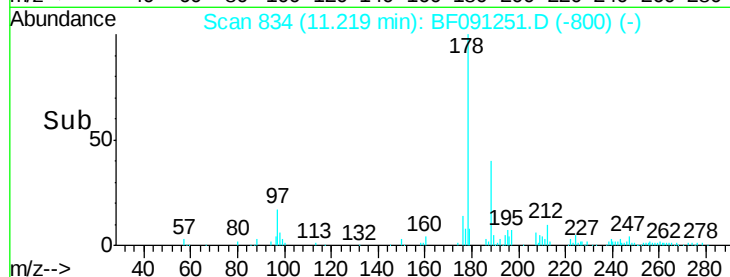
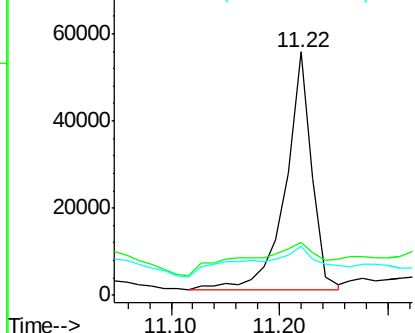
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 834
Delta R.T. 0.09 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

Tgt Ion:188 Resp: 91544
Ion Ratio Lower Upper
188 100
94 21.8 7.0 10.4#
80 20.2 7.5 11.3#

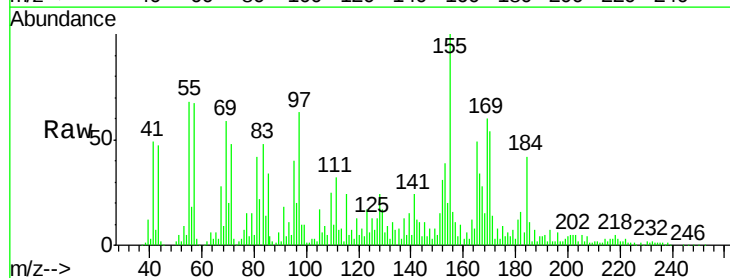


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

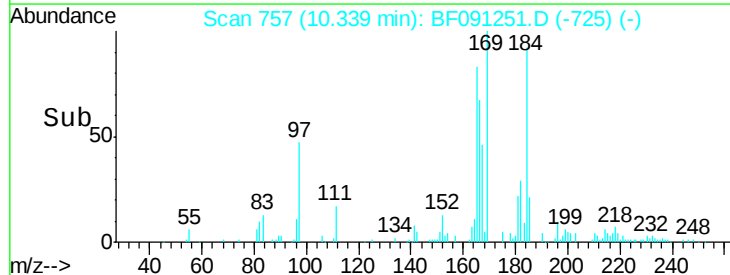
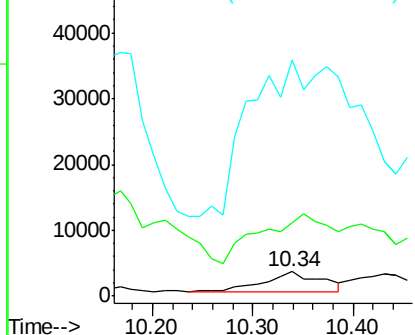


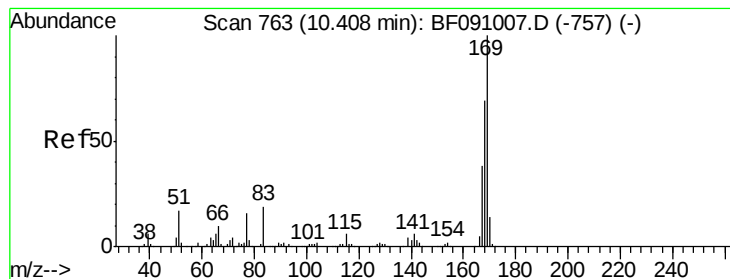
#64
4,6-Dinitro-2-methylphenol
Concen: 21.92 ng
RT: 10.34 min Scan# 757
Delta R.T. 0.07 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion:198 Resp: 12290
Ion Ratio Lower Upper
198 100
51 295.1 5.9 45.9#
105 955.1 13.8 53.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 101.95 ng

RT: 10.40 min Scan# 762

Delta R.T. 0.08 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

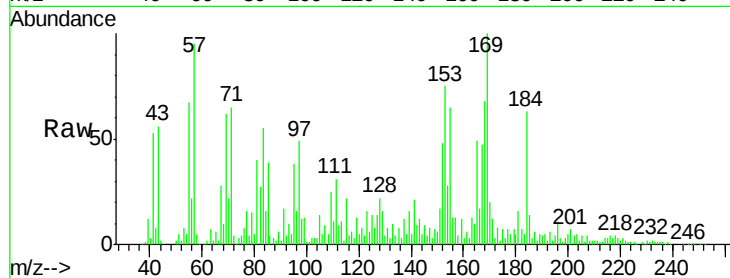
Tgt Ion:169 Resp: 296634

Ion Ratio Lower Upper

169 100

168 67.7 55.3 82.9

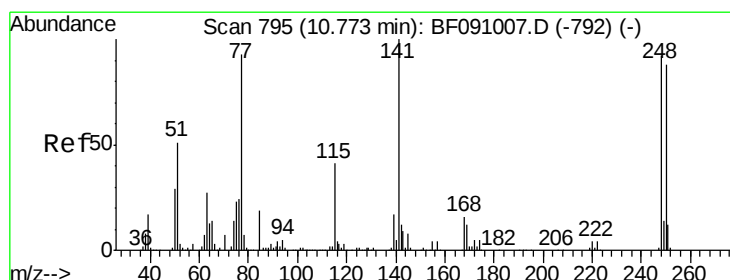
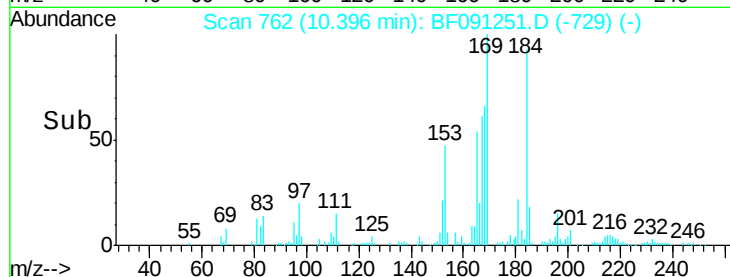
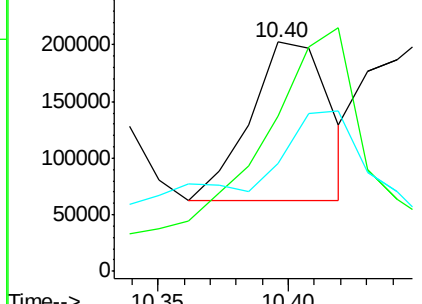
167 47.3 30.3 45.5#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 10.57 ng

RT: 10.82 min Scan# 799

Delta R.T. 0.14 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

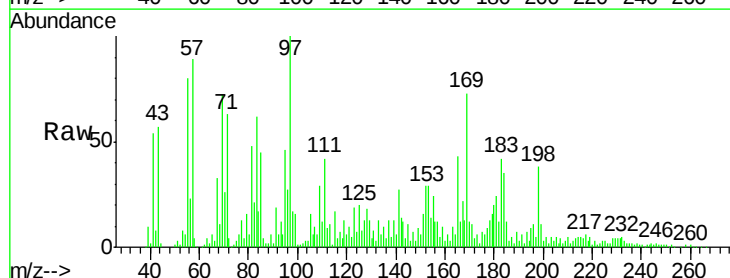
Tgt Ion:248 Resp: 10063

Ion Ratio Lower Upper

248 100

250 99.1 76.3 114.5

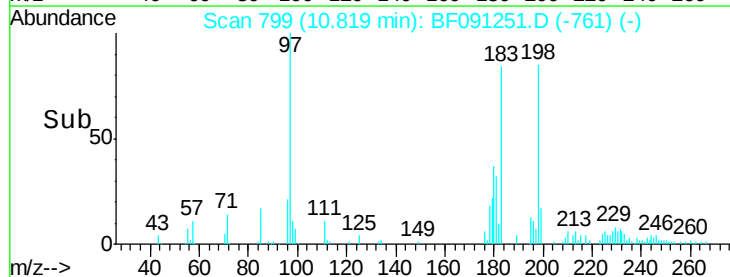
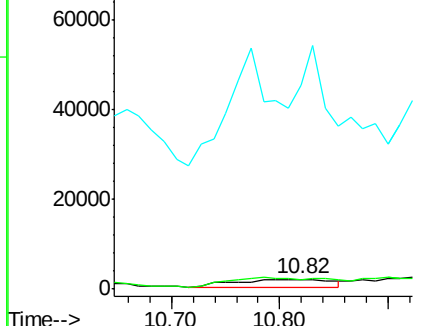
141 2118.4 86.8 130.2#

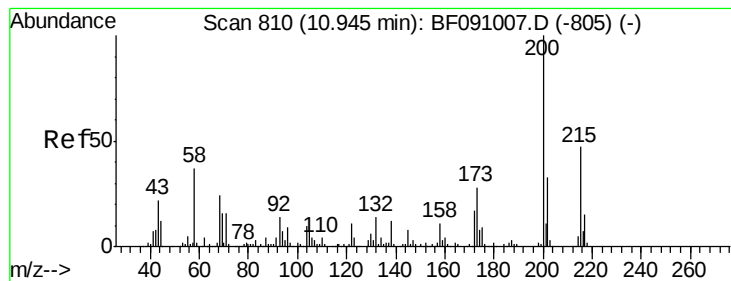


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Atrazine

Concen: 9.74 ng

RT: 10.92 min Scan# 808

Delta R.T. 0.07 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

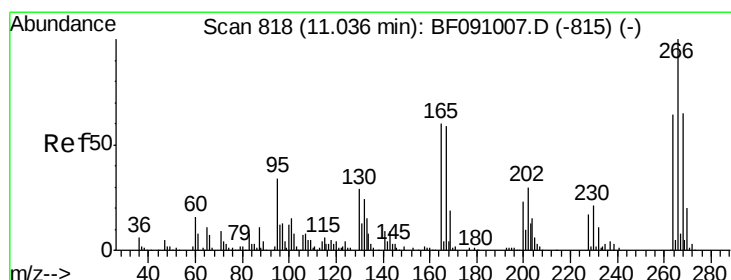
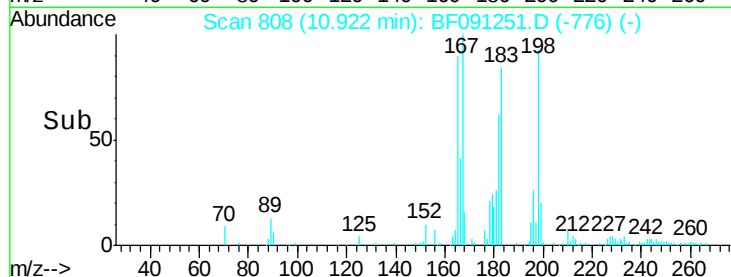
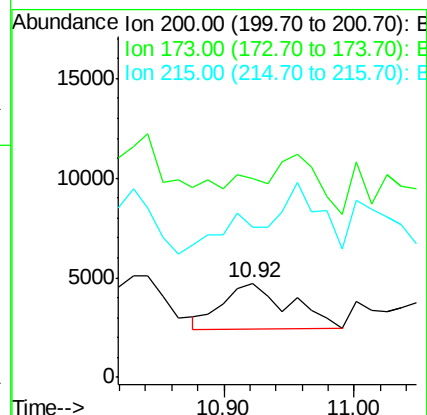
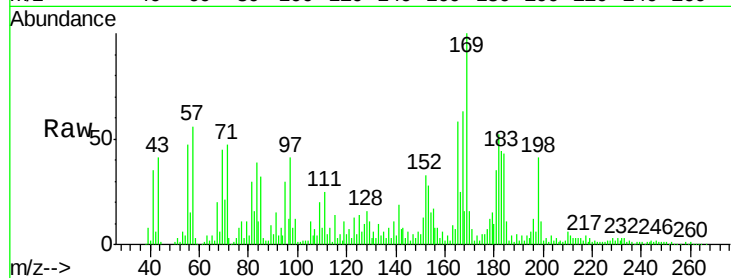
Tgt Ion:200 Resp: 8172

Ion Ratio Lower Upper

200 100

173 210.7 8.1 48.1#

215 160.2 27.3 67.3#



#69

Pentachlorophenol

Concen: 7.86 ng

RT: 11.06 min Scan# 820

Delta R.T. 0.11 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

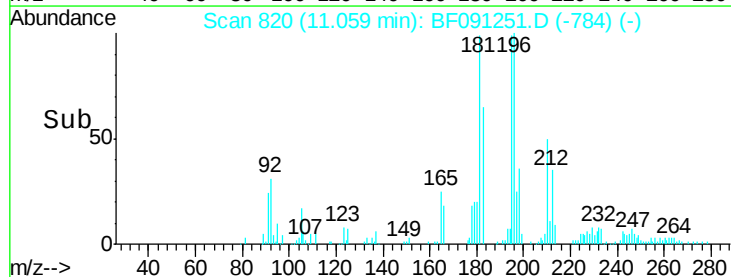
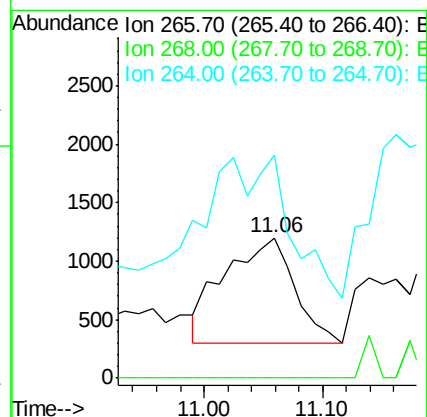
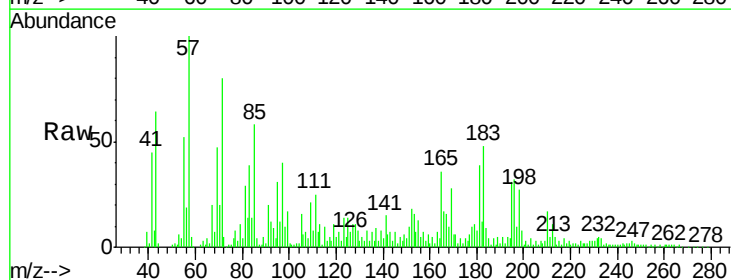
Tgt Ion:266 Resp: 3654

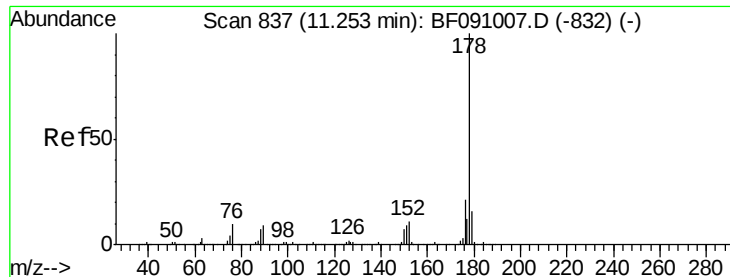
Ion Ratio Lower Upper

266 100

268 0.0 52.1 78.1#

264 159.0 51.1 76.7#

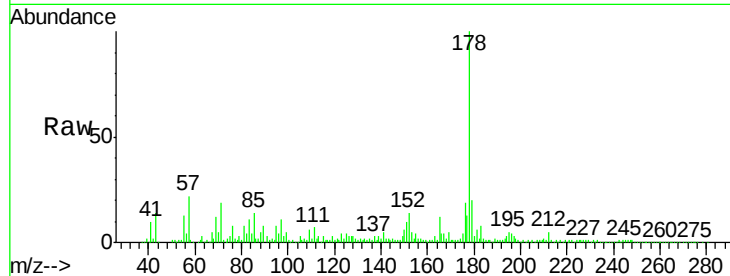




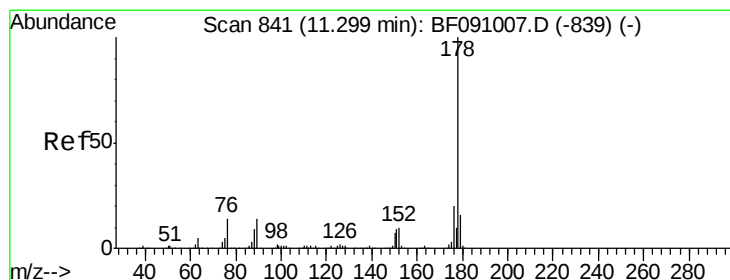
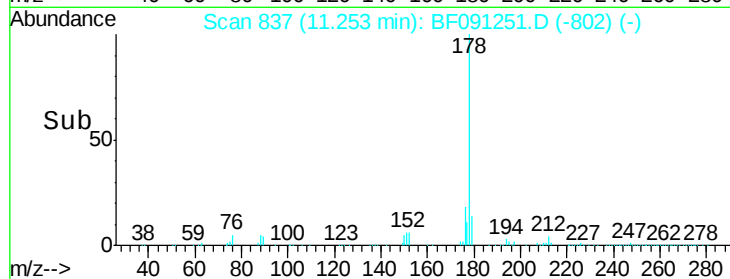
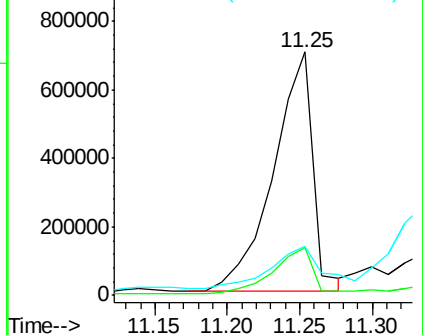
#70
Phenanthrene
Concen: 271.35 ng
RT: 11.25 min Scan# 837
Delta R.T. 0.10 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

Tgt Ion:178 Resp: 1320514
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 20.1 12.9 19.3#

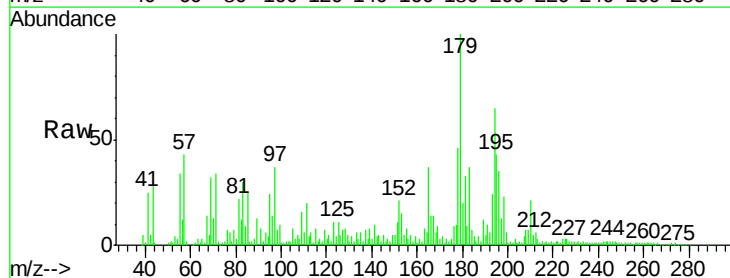


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

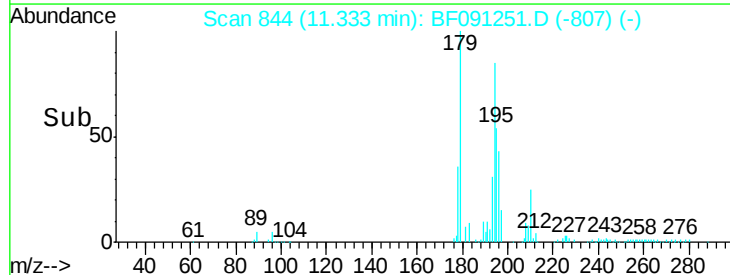
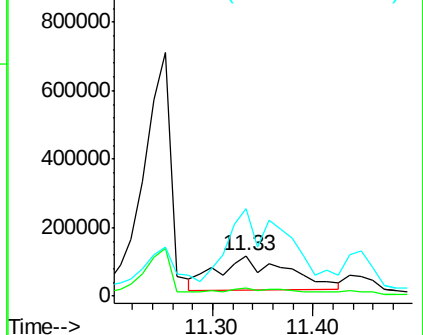


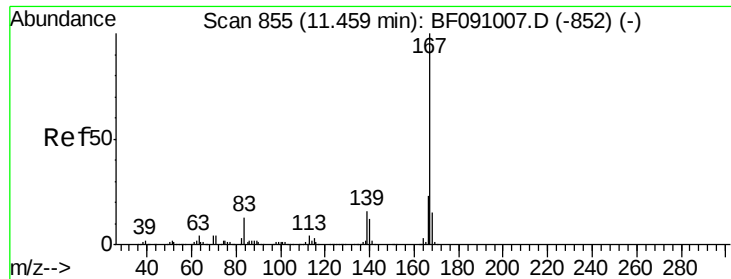
#71
Anthracene
Concen: 93.29 ng
RT: 11.33 min Scan# 844
Delta R.T. 0.13 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Tgt Ion:178 Resp: 482678
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 217.7 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





#72

Carbazole

Concen: 10.19 ng

RT: 11.44 min Scan# 853

Delta R.T. 0.07 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

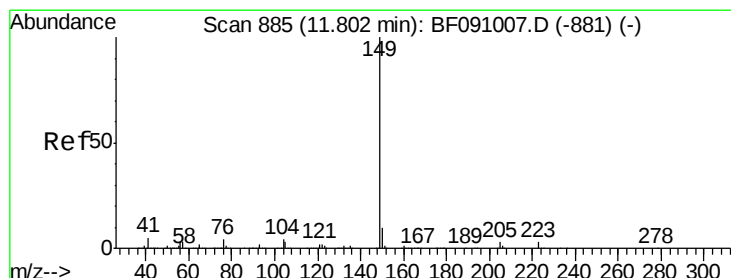
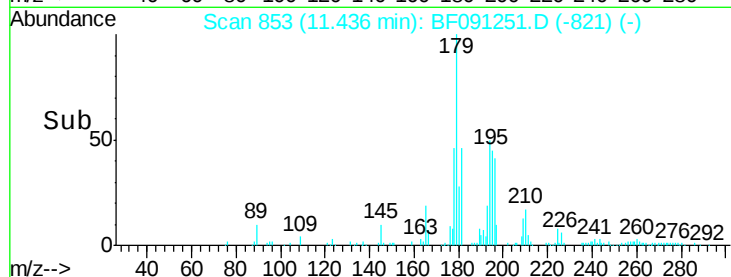
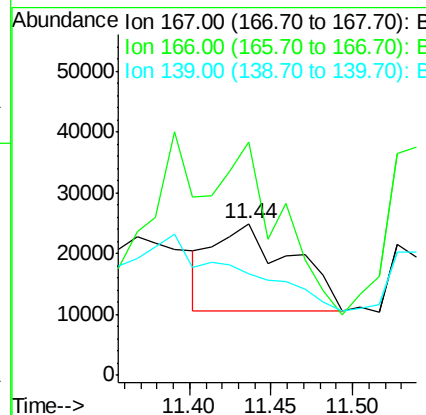
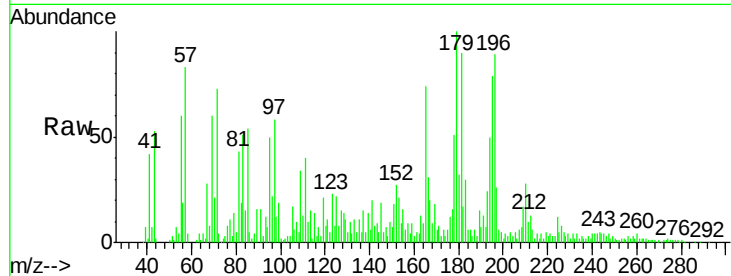
Tgt Ion:167 Resp: 47490

Ion Ratio Lower Upper

167 100

166 154.1 18.0 27.0#

139 67.1 12.6 18.8#



#73

Di-n-butylphthalate

Concen: 3.11 ng

RT: 11.82 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

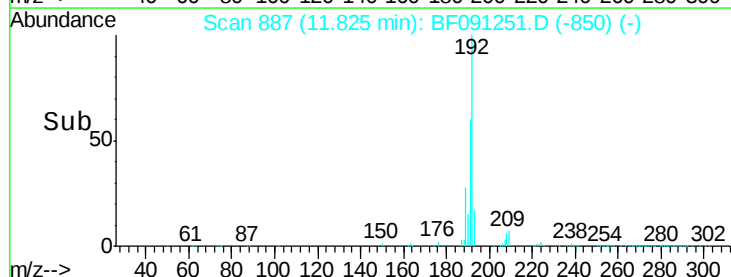
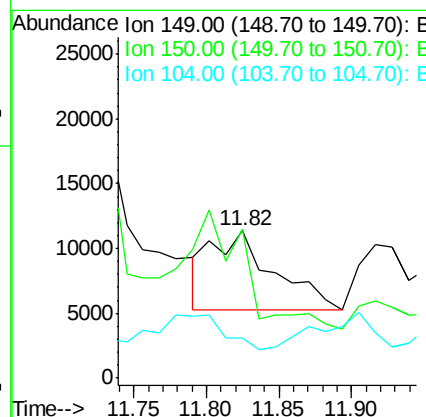
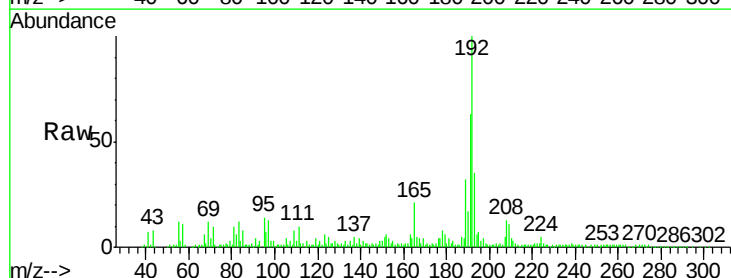
Tgt Ion:149 Resp: 18264

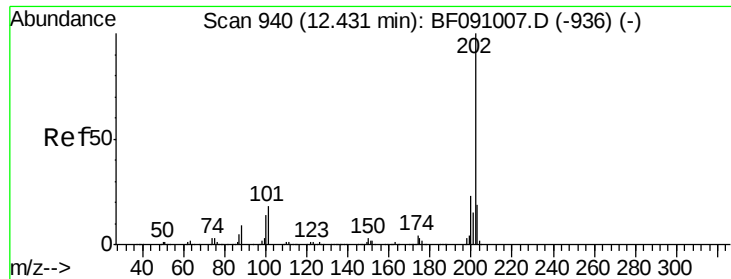
Ion Ratio Lower Upper

149 100

150 101.3 7.7 11.5#

104 27.4 3.6 5.4#





#74

Fluoranthene

Concen: 7.29 ng

RT: 12.36 min Scan# 934

Delta R.T. 0.02 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

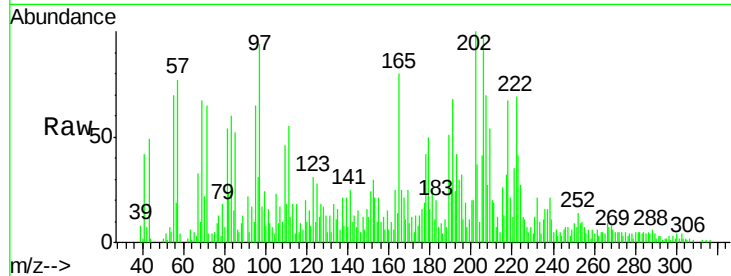
Tgt Ion:202 Resp: 36803

Ion Ratio Lower Upper

202 100

101 15.9 0.0 37.6

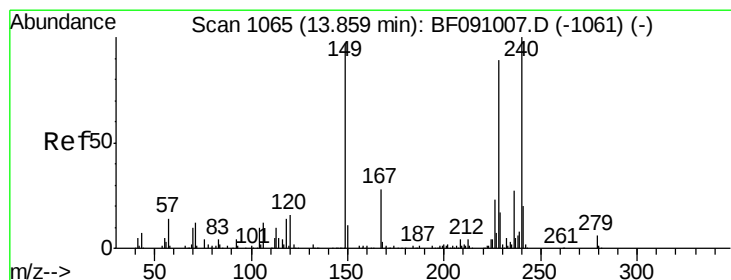
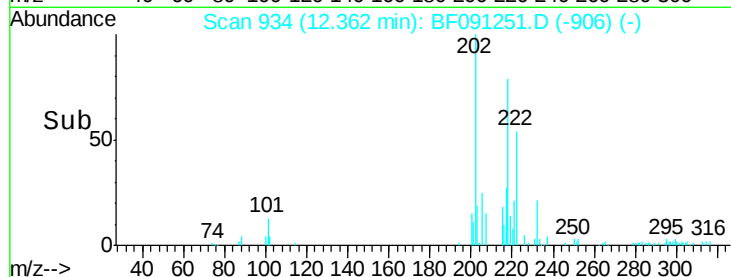
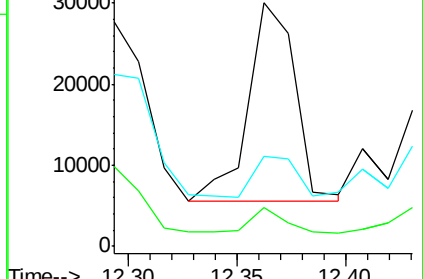
203 37.1 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

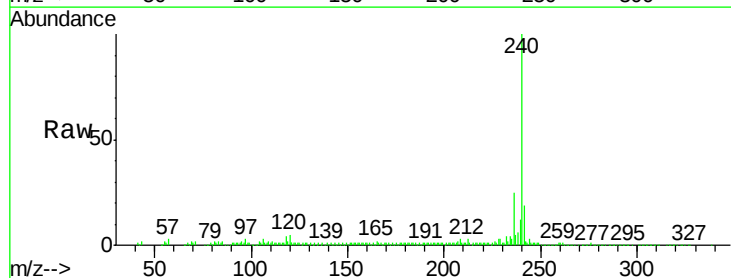
Tgt Ion:240 Resp: 175675

Ion Ratio Lower Upper

240 100

120 4.7 12.9 19.3#

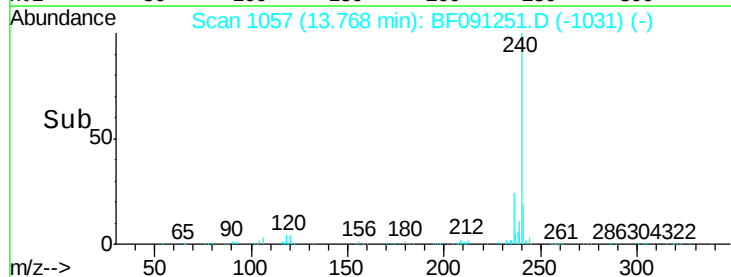
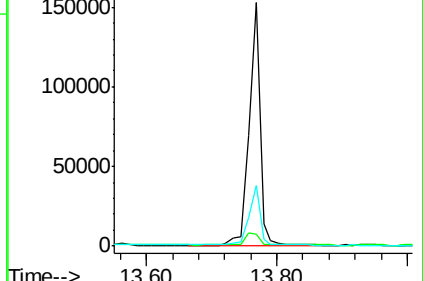
236 25.0 21.9 32.9

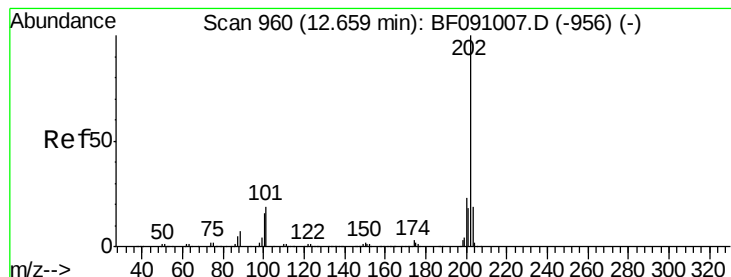


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.98 ng

RT: 12.59 min Scan# 954

Delta R.T. 0.02 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

Instrument :

BNA_F

ClientSampleId :

UST-SW2DL

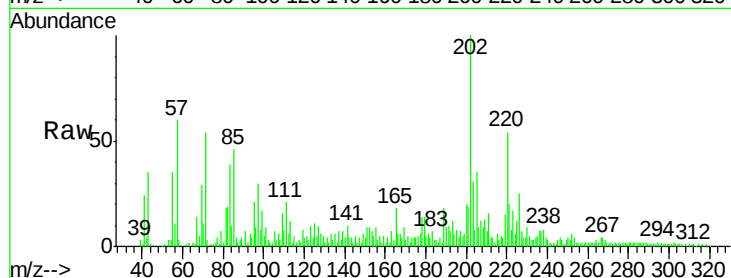
Tgt Ion:202 Resp: 160815

Ion Ratio Lower Upper

202 100

200 19.6 18.4 27.6

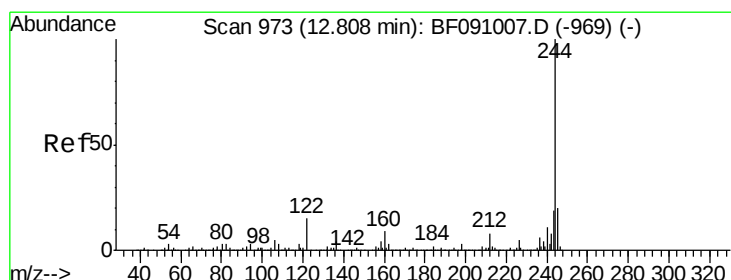
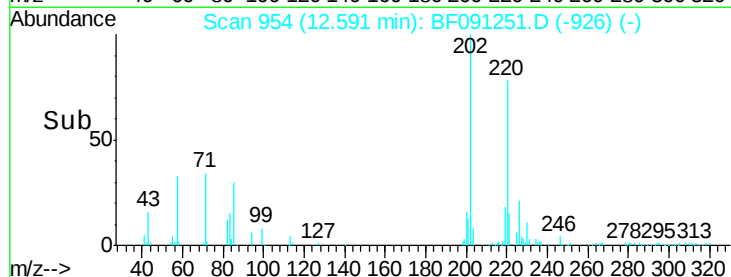
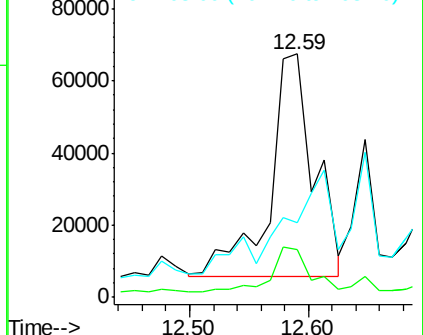
203 30.6 15.0 22.6#



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: 38.70 ng

RT: 12.73 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF091251.D

Acq: 18 Nov 2016 23:36

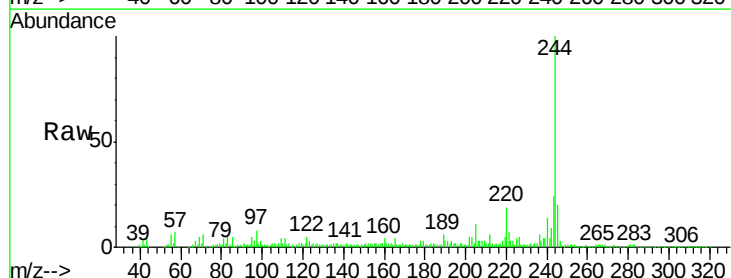
Tgt Ion:244 Resp: 272476

Ion Ratio Lower Upper

244 100

212 5.7 6.4 9.6#

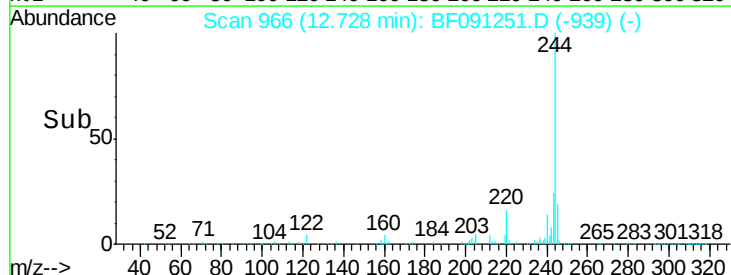
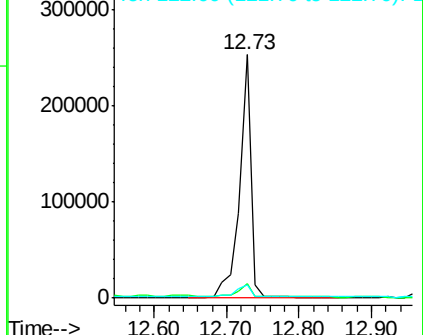
122 5.3 12.3 18.5#

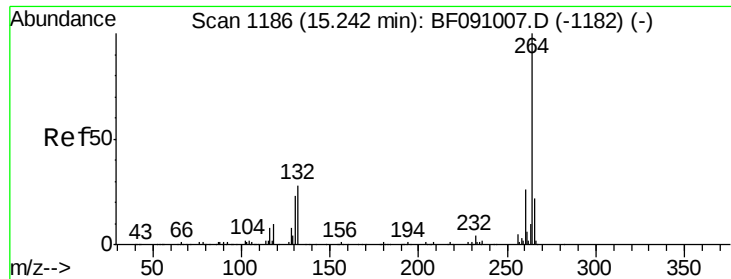


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF091251.D
Acq: 18 Nov 2016 23:36

Instrument :
BNA_F
ClientSampleId :
UST-SW2DL

Tgt Ion: 264 Resp: 212476
Ion Ratio Lower Upper
264 100
260 22.8 20.6 30.8
265 21.8 17.8 26.8

