

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111816\
 Data File : BF091250.D
 Acq On : 18 Nov 2016 23:09
 Operator : UM/SJ
 Sample : H5660-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

Quant Time: Nov 19 00:51:40 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	28911	20.00	ng	0.01
21) Naphthalene-d8	7.92	136	20522	20.00	ng	0.01
38) Acenaphthene-d10	9.69	164	1865	20.00	ng	0.03
63) Phenanthrene-d10	11.09	188	3685	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	184483	20.00	ng	0.00
86) Perylene-d12	15.13	264	202302	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	647875	370.10	ng	0.00
7) Phenol-d6	6.28	99	709968	298.80	ng	0.01
23) Nitrobenzene-d5	7.23	82	299627	796.45	ng	0.05
41) 2,4,6-Tribromophenol	10.67	330	20858	1237.07	ng	0.23
44) 2-Fluorobiphenyl	9.07	172	11694	107.95	ng	0.09
78) Terphenyl-d14	12.74	244	559167	75.64	ng	0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.68	42	4230	4.56	ng	# 1
6) Aniline	6.32	93	18574	6.63	ng	# 1
9) Benzaldehyde	6.13	77	155001	117.53	ng	# 1
10) Phenol	6.29	94	59741	22.72	ng	# 1
11) bis(2-Chloroethyl)ether	6.32	93	19185	8.66	ng	# 1
15) Benzyl Alcohol	6.68	79	34641	20.67	ng	# 22
17) 2-Methylphenol	6.86	107	8213	4.97	ng	# 1
18) Hexachloroethane	7.21	117	318074	362.71	ng	# 1
19) n-Nitroso-di-n-propylamine	7.15	70	9223	5.60	ng	# 75
22) Acetophenone	6.91	105	270765	573.03	ng	# 55
24) Nitrobenzene	7.46	77	3200	7.70	ng	# 67
25) Isophorone	7.64	82	762575	1051.96	ng	# 1
27) 2,4-Dimethylphenol	7.63	122	34873	119.93	ng	# 1
28) bis(2-Chloroethoxy)methane	7.60	93	340256	859.17	ng	# 1
29) 2,4-Dichlorophenol	7.90	162	55566	218.96	ng	# 1
30) 1,2,4-Trichlorobenzene	7.89	180	10512	36.84	ng	# 1
31) Naphthalene	7.95	128	197461	201.19	ng	# 71
32) Benzoic acid	7.63	122	30176	124.03	ng	# 1
33) 4-Chloroaniline	7.95	127	24585	60.23	ng	# 27
35) Caprolactam	8.44	113	46269	580.33	ng	# 1
36) 4-Chloro-3-methylphenol	8.29	107	27912	90.85	ng	# 26
37) 2-Methylnaphthalene	8.80	142	1158158	1835.66	ng	# 88
42) 2,4,6-Trichlorophenol	8.89	196	1552	50.56	ng	# 13
43) 2,4,5-Trichlorophenol	8.99	196	1821	56.50	ng	# 1
45) 1,1'-Biphenyl	9.20	154	38337	281.52	ng	# 69
46) 2-Chloronaphthalene	9.08	162	4300	41.59	ng	# 1
47) 2-Nitroaniline	9.32	65	8253	215.09	ng	# 50
48) Acenaphthylene	9.58	152	152730	947.87	ng	# 1
49) Dimethylphthalate	9.46	163	12791	104.59	ng	# 1
50) 2,6-Dinitrotoluene	9.48	165	17350	662.00	ng	# 23
51) Acenaphthene	9.77	154	18778	185.63	ng	# 19
52) 3-Nitroaniline	9.65	138	1198	38.55	ng	# 41
53) 2,4-Dinitrophenol	9.72	184	620	46.29	ng	# 1
54) Dibenzofuran	9.94	168	172044	1263.46	ng	# 88

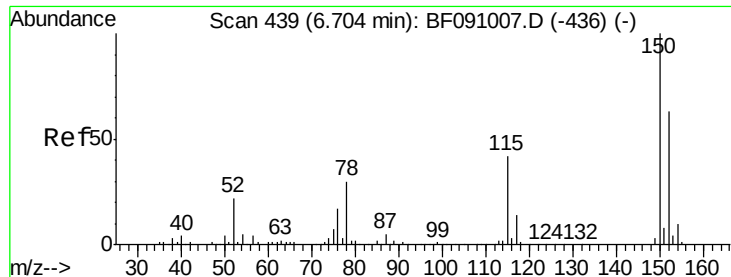
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111816\
 Data File : BF091250.D
 Acq On : 18 Nov 2016 23:09
 Operator : UM/SJ
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 BNA_F
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Quant Time: Nov 19 00:51:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 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)
55) 4-Nitrophenol	9.84	139	6053	277.22	ng	# 1
56) 2,4-Dinitrotoluene	9.94	165	22022	660.41	ng	# 73
57) Fluorene	10.46	166	204721	1839.25	ng	# 31
58) 2,3,4,6-Tetrachlorophenol	10.04	232	366	14.50	ng	# 32
59) Diethylphthalate	10.22	149	22973	183.22	ng	# 1
60) 4-Chlorophenyl-phenylether	10.21	204	9607	189.65	ng	# 1
61) 4-Nitroaniline	10.40	138	34776	1106.09	ng	92
62) Azobenzene	10.43	77	85352	578.27	ng	# 18
64) 4,6-Dinitro-2-methylphenol	10.22	198	1574	69.75	ng	# 1
65) n-Nitrosodiphenylamine	10.25	169	68374	583.76	ng	# 47
66) 4-Bromophenyl-phenylether	10.64	248	3497	91.23	ng	# 1
68) Atrazine	10.84	200	12611	373.21	ng	# 1
69) Pentachlorophenol	10.97	266	6380	340.75	ng	# 50
70) Phenanthrene	10.94	178	92735	473.40	ng	# 1
71) Anthracene	11.32	178	1163350	5586.02	ng	# 91
72) Carbazole	11.33	167	94105	501.41	ng	# 1
73) Di-n-butylphthalate	11.64	149	78003	330.46	ng	# 1
74) Fluoranthene	12.33	202	64074	315.38	ng	# 8
76) Benzidine	12.43	184	14290	3.47	ng	# 1
77) Pyrene	12.60	202	327830	27.13	ng	# 83
80) Benzo(a)anthracene	13.76	228	31546	3.01	ng	# 32
82) Chrysene	13.76	228	31546	3.05	ng	# 36

(#) = 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: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

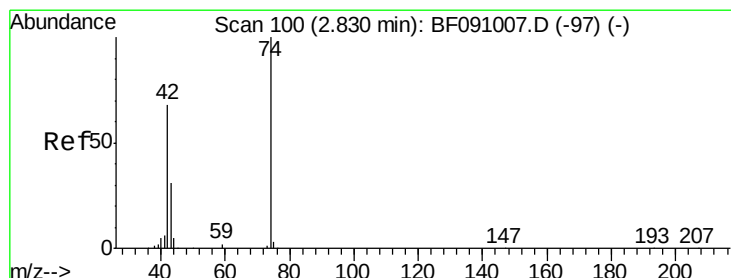
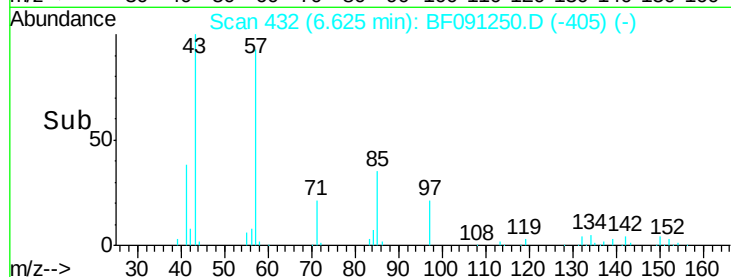
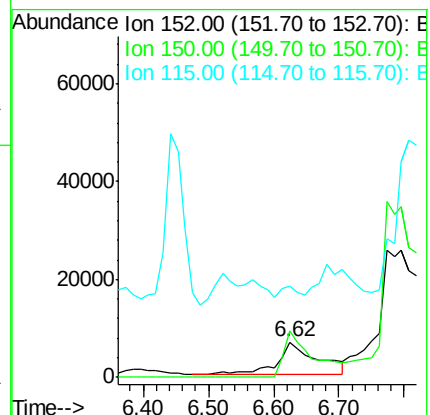
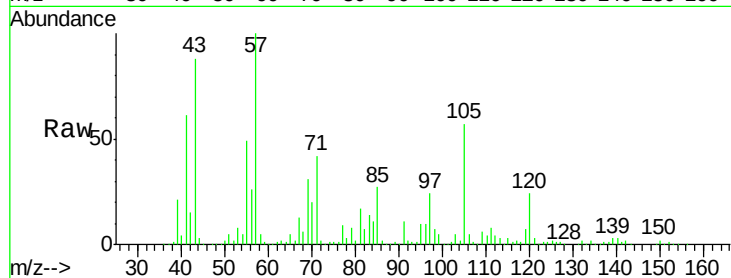
Tgt Ion:152 Resp: 28911

Ion Ratio Lower Upper

152 100

150 134.3 126.8 190.2

115 260.5 53.3 79.9#



#4

n-Nitrosodimethylamine

Concen: 4.56 ng

RT: 2.68 min Scan# 87

Delta R.T. 0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

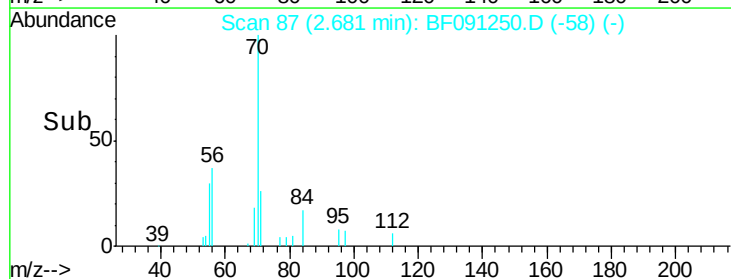
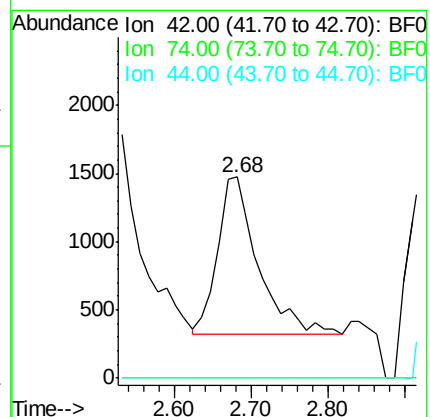
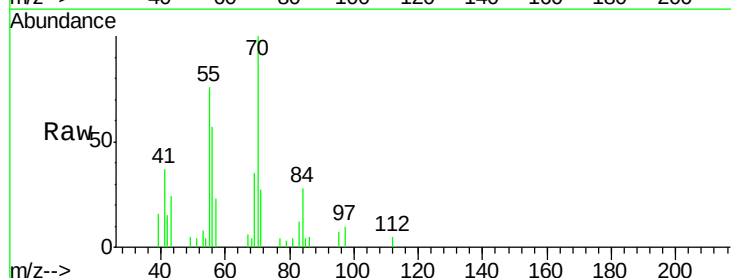
Tgt Ion: 42 Resp: 4230

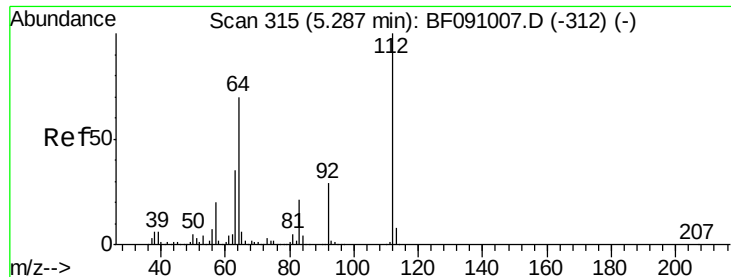
Ion Ratio Lower Upper

42 100

74 0.0 117.3 175.9#

44 0.0 5.8 8.8#





#5

2-Fluorophenol

Concen: 370.10 ng

RT: 5.18 min Scan# 306

Delta R.T. 0.00 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

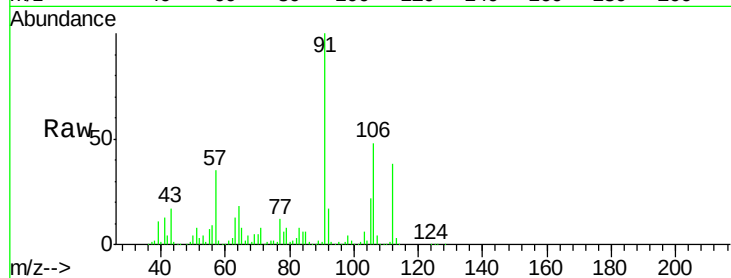
Tgt Ion: 112 Resp: 647875

Ion Ratio Lower Upper

112 100

64 48.2 55.8 83.6#

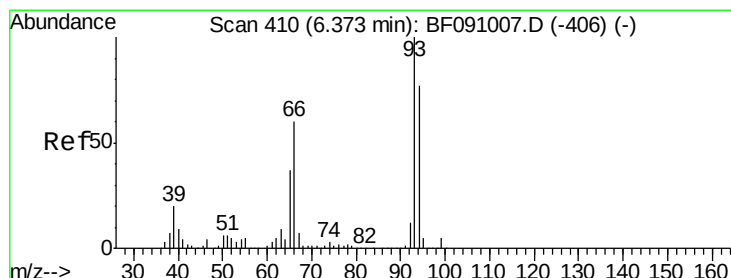
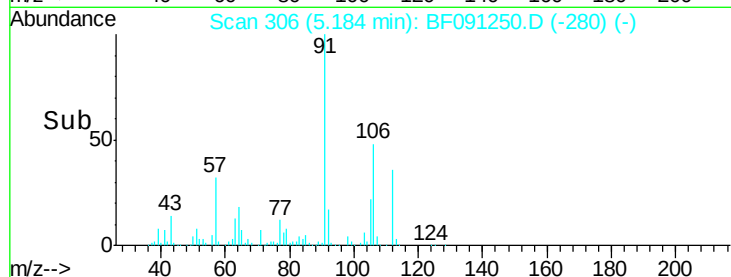
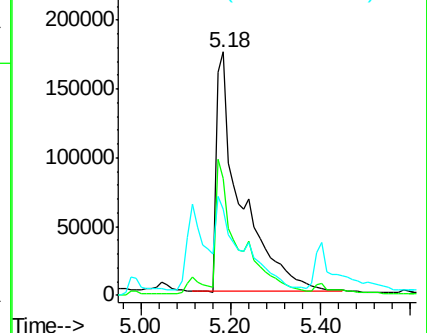
63 35.6 28.0 42.0



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



#6

Aniline

Concen: 6.63 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.05 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

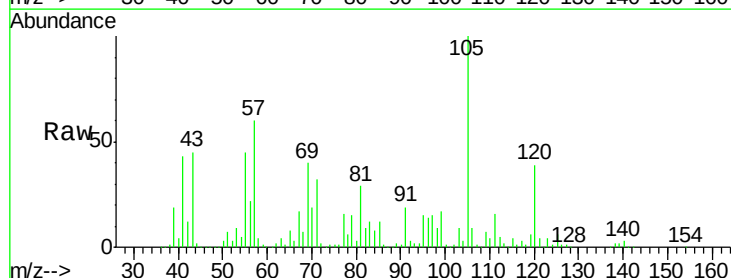
Tgt Ion: 93 Resp: 18574

Ion Ratio Lower Upper

93 100

66 173.6 48.2 72.2#

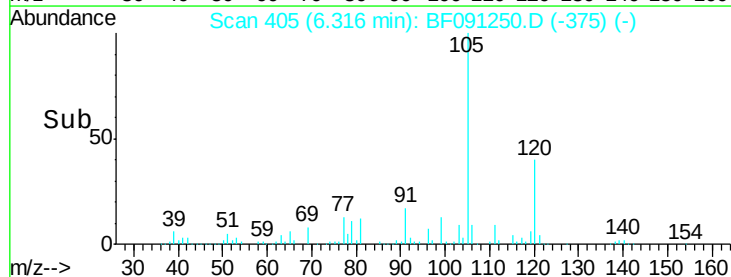
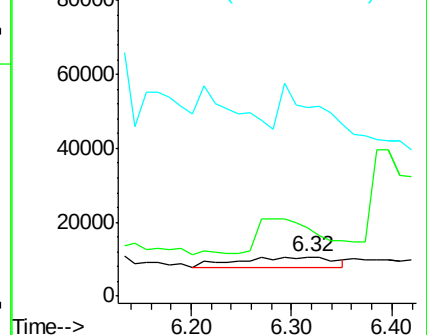
65 480.7 29.4 44.0#

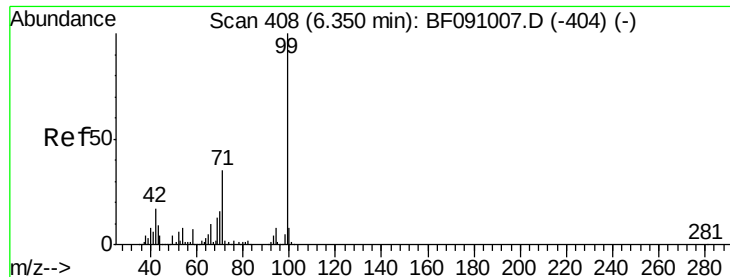


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 298.80 ng

RT: 6.28 min Scan# 402

Delta R.T. 0.01 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

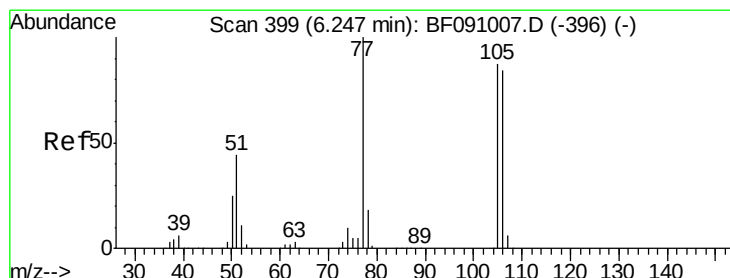
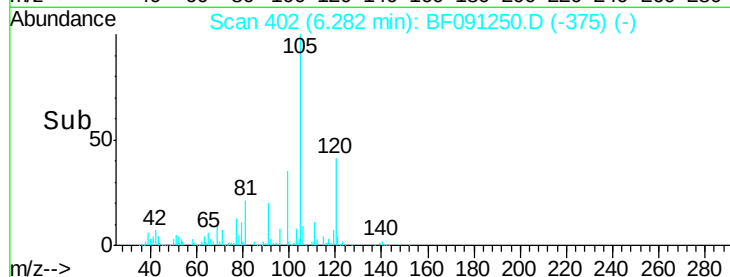
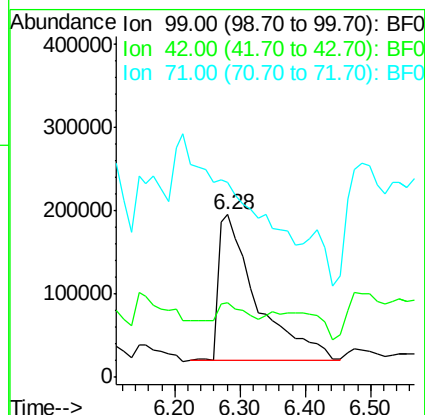
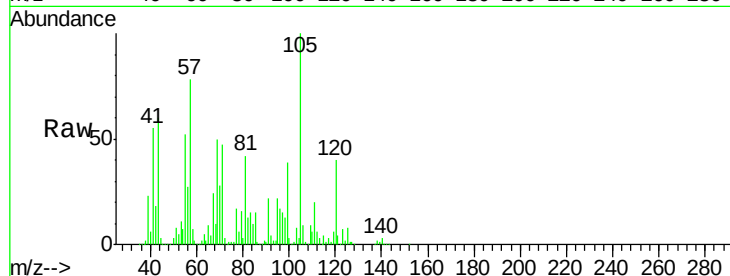
Tgt Ion: 99 Resp: 709968

Ion Ratio Lower Upper

99 100

42 45.6 13.9 20.9#

71 120.1 27.8 41.8#



#9

Benzaldehyde

Concen: 117.53 ng

RT: 6.13 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

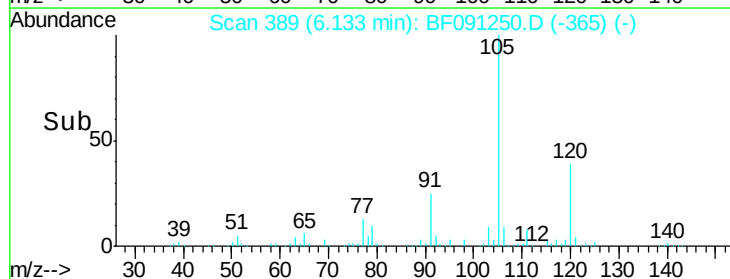
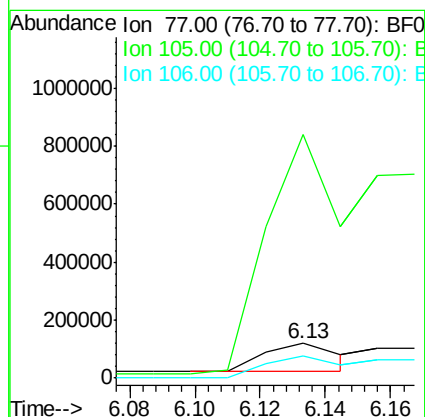
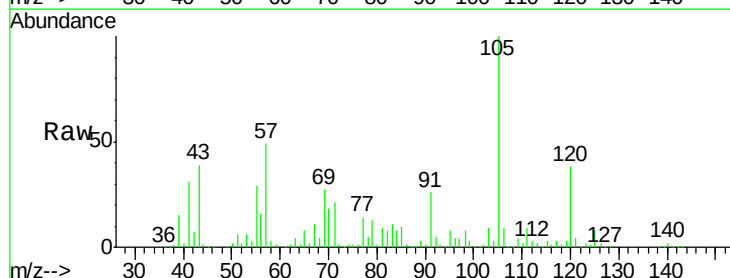
Tgt Ion: 77 Resp: 155001

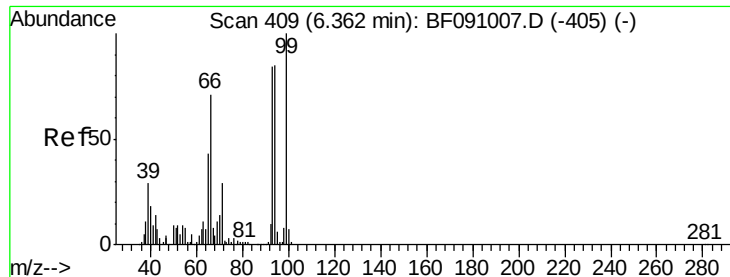
Ion Ratio Lower Upper

77 100

105 697.2 66.8 106.8#

106 62.7 64.0 104.0#





#10

Phenol

Concen: 22.72 ng

RT: 6.29 min Scan# 403

Delta R.T. 0.01 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampled :

UST-SW2

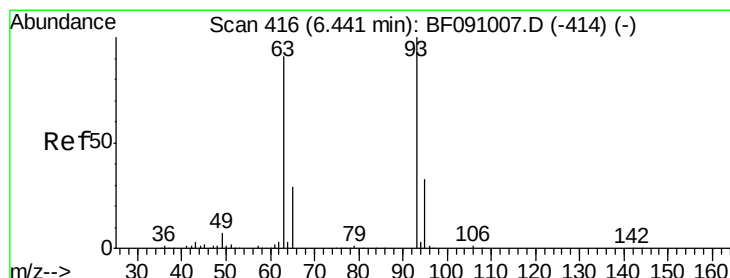
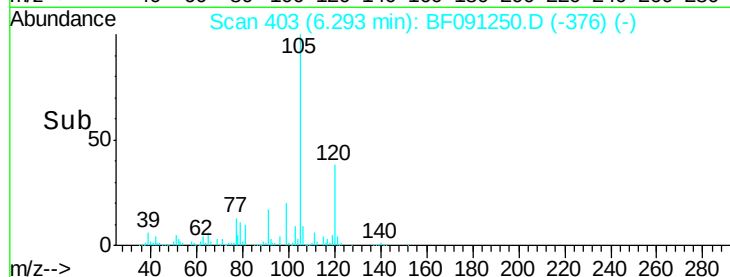
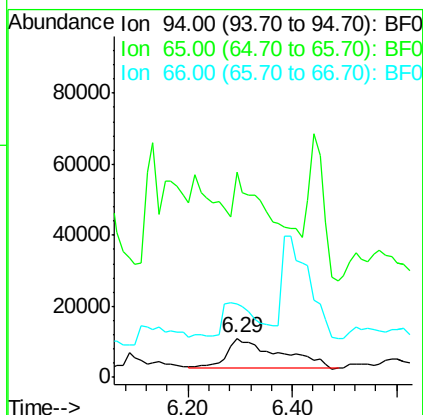
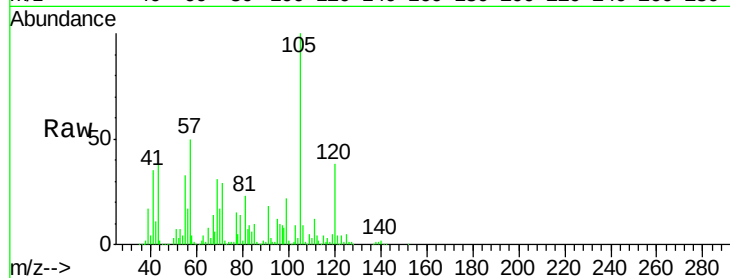
Tgt Ion: 94 Resp: 59741

Ion Ratio Lower Upper

94 100

65 525.0 30.4 70.4#

66 189.2 62.9 102.9#



#11

bis(2-Chloroethyl)ether

Concen: 8.66 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

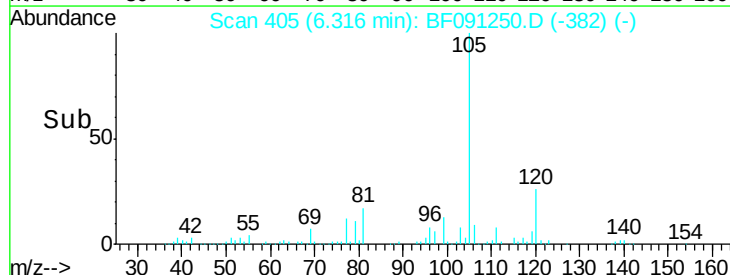
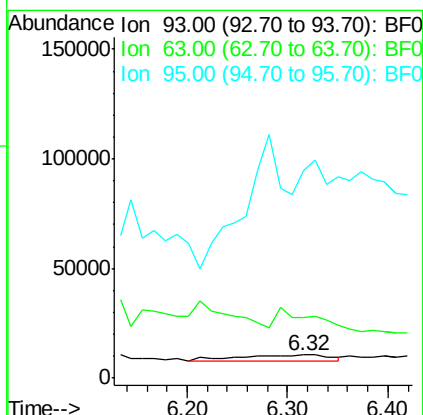
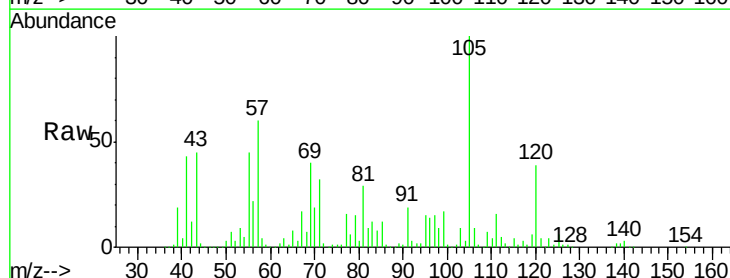
Tgt Ion: 93 Resp: 19185

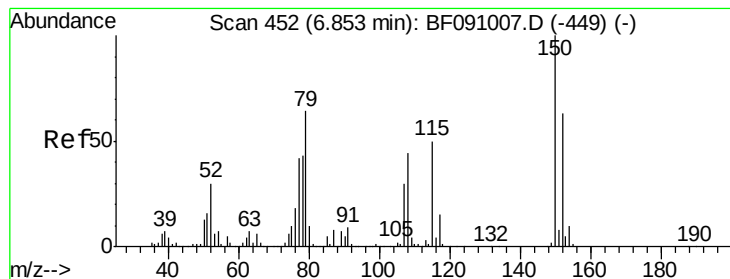
Ion Ratio Lower Upper

93 100

63 258.5 68.9 108.9#

95 890.9 12.3 52.3#





#15

Benzyl Alcohol

Concen: 20.67 ng

RT: 6.68 min Scan# 437

Delta R.T. -0.09 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

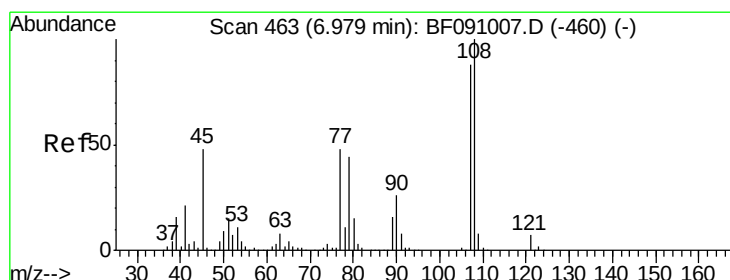
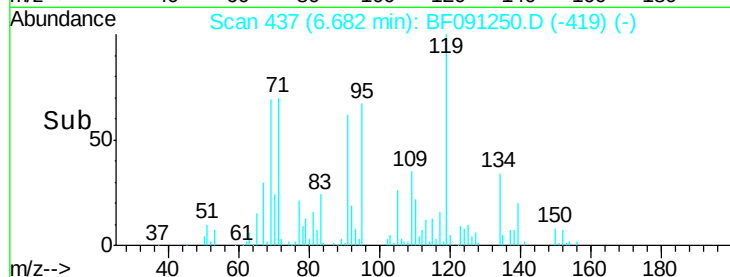
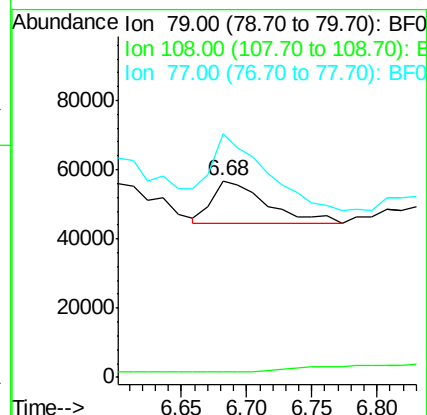
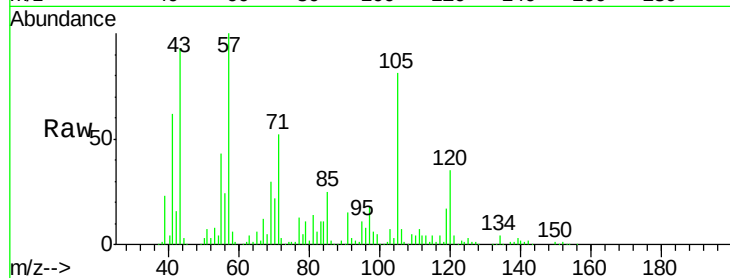
Tgt Ion: 79 Resp: 34641

Ion Ratio Lower Upper

79 100

108 2.5 55.7 83.5#

77 123.7 52.6 79.0#



#17

2-Methylphenol

Concen: 4.97 ng

RT: 6.86 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Tgt Ion: 107 Resp: 8213

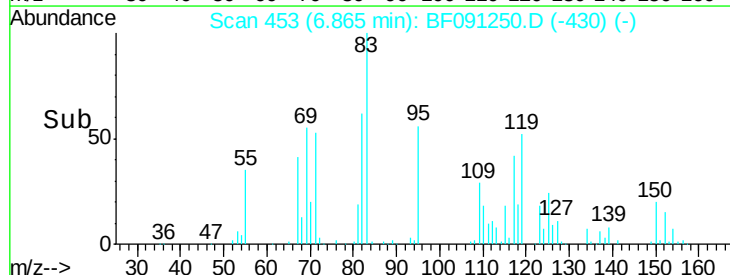
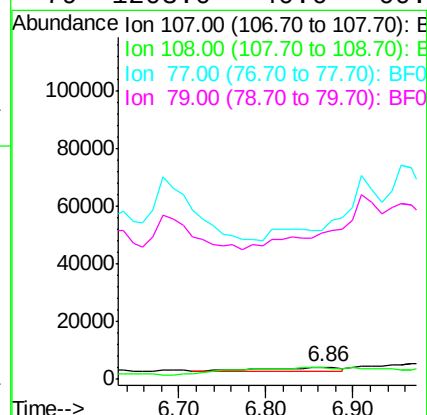
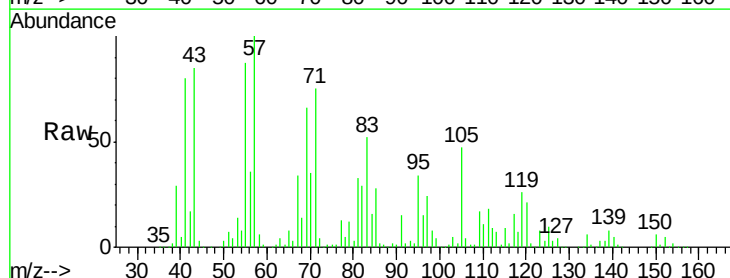
Ion Ratio Lower Upper

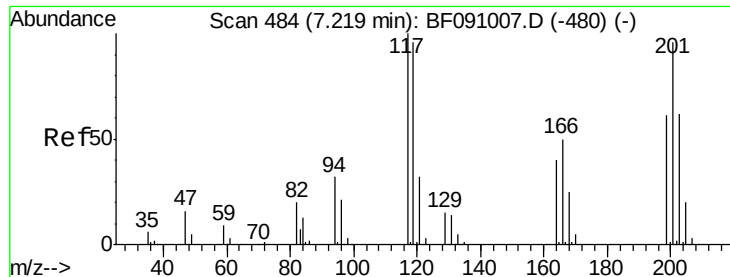
107 100

108 94.8 91.0 136.6

77 1230.6 43.8 65.8#

79 1203.0 40.6 60.8#

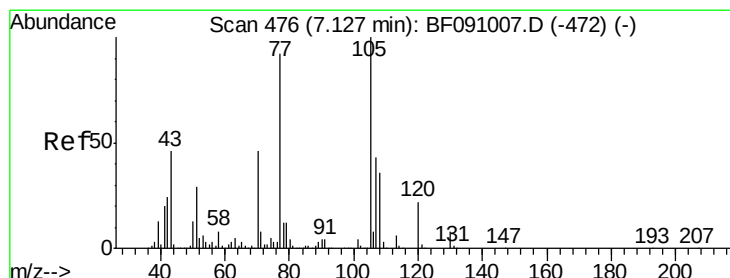
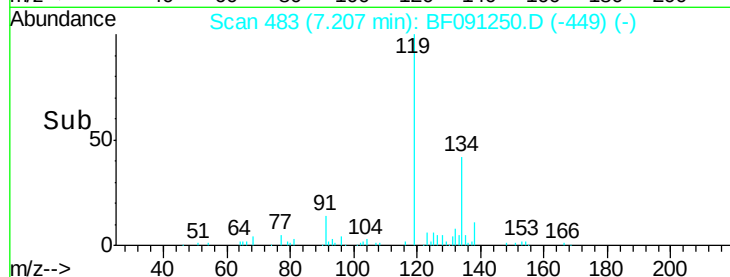
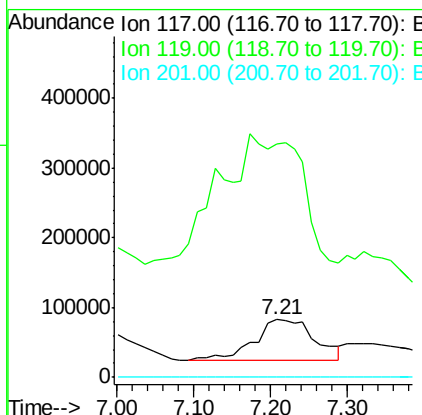
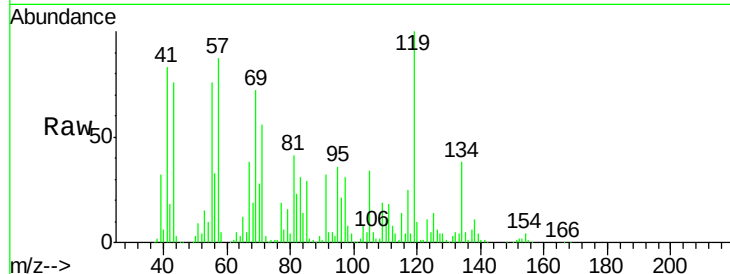




#18
Hexachloroethane
Concen: 362.71 ng
RT: 7.21 min Scan# 483
Delta R.T. 0.09 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

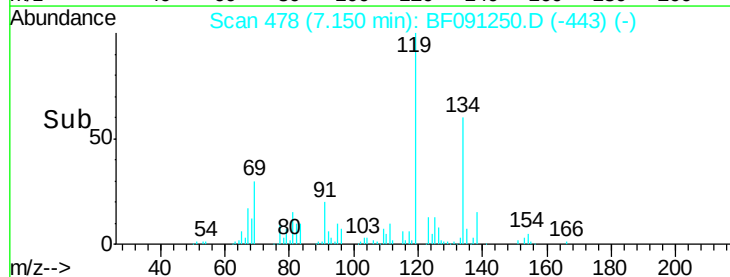
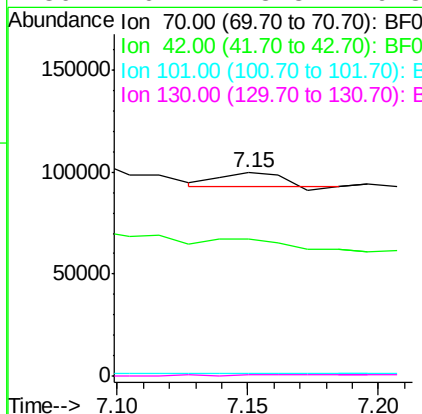
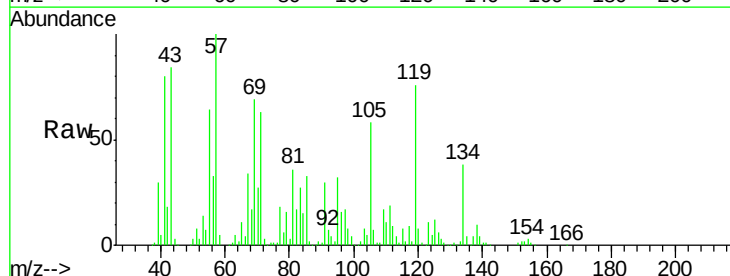
Instrument :
BNA_F
ClientSampleId :
UST-SW2

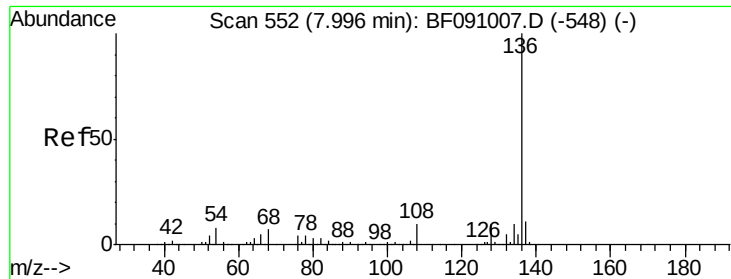
Tgt Ion: 117 Resp: 318074
Ion Ratio Lower Upper
117 100
119 402.7 76.6 115.0#
201 0.0 77.1 115.7#



#19
n-Nitroso-di-n-propylamine
Concen: 5.60 ng
RT: 7.15 min Scan# 478
Delta R.T. 0.10 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

Tgt Ion: 70 Resp: 9223
Ion Ratio Lower Upper
70 100
42 67.1 41.7 62.5#
101 1.3 6.7 10.1#
130 0.4 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 545

Delta R.T. 0.01 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

Tgt Ion:136 Resp: 20522

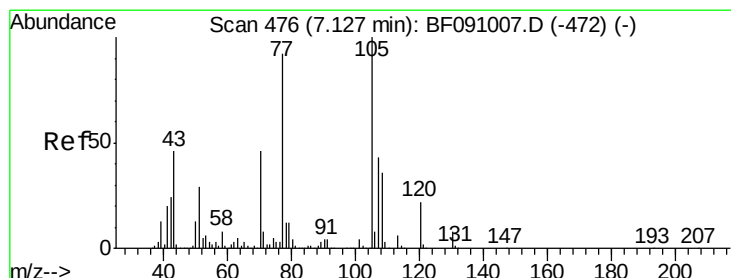
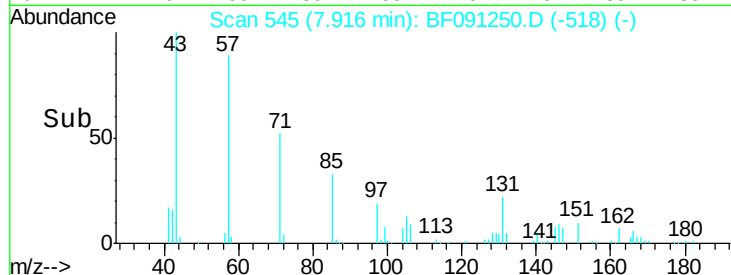
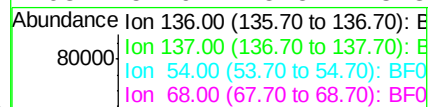
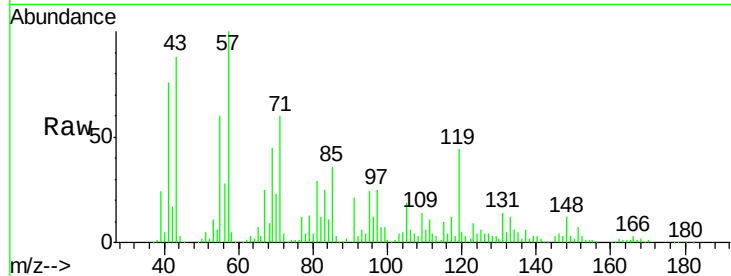
Ion Ratio Lower Upper

136 100

137 308.1 8.9 13.3#

54 334.8 6.2 9.2#

68 457.9 5.5 8.3#



#22

Acetophenone

Concen: 573.03 ng

RT: 6.91 min Scan# 457

Delta R.T. -0.13 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Tgt Ion:105 Resp: 270765

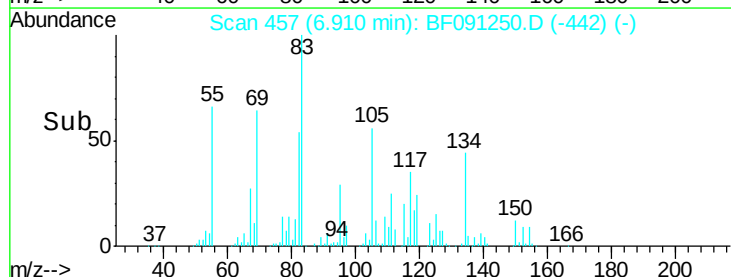
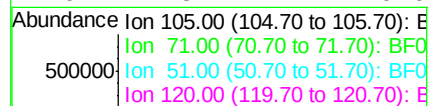
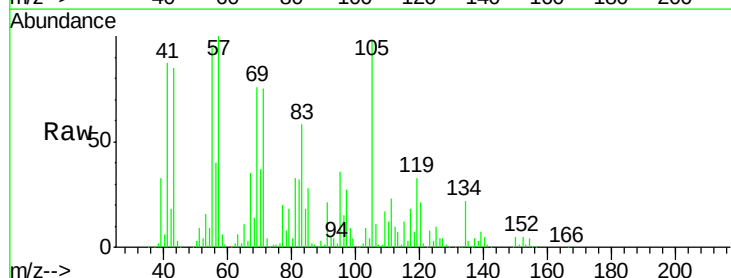
Ion Ratio Lower Upper

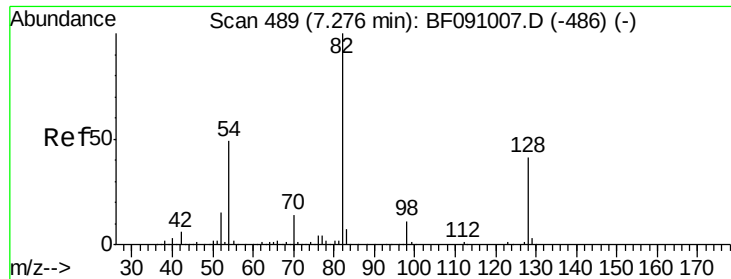
105 100

71 76.2 6.2 9.2#

51 8.8 23.3 34.9#

120 21.8 17.4 26.0

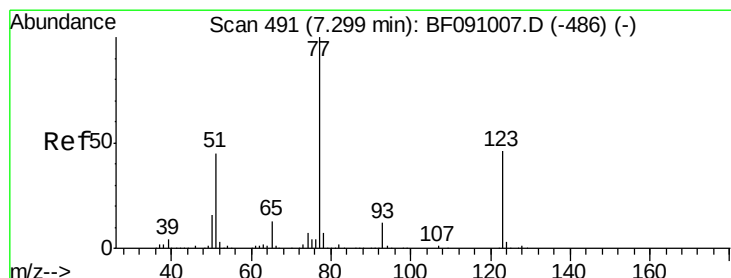
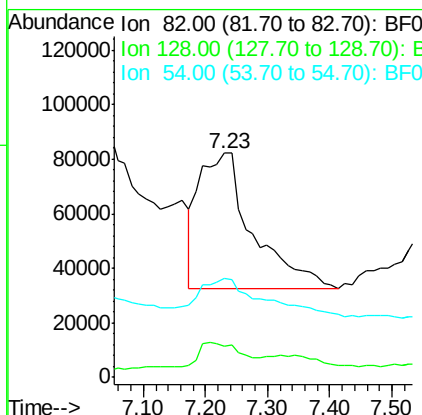
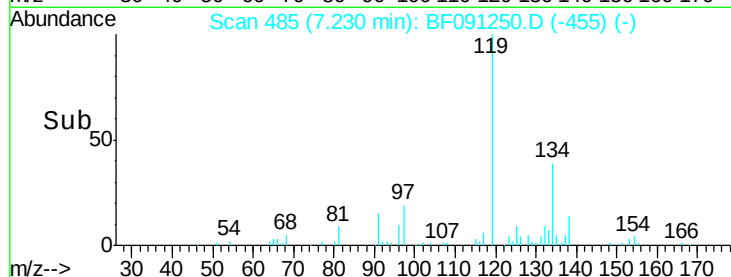
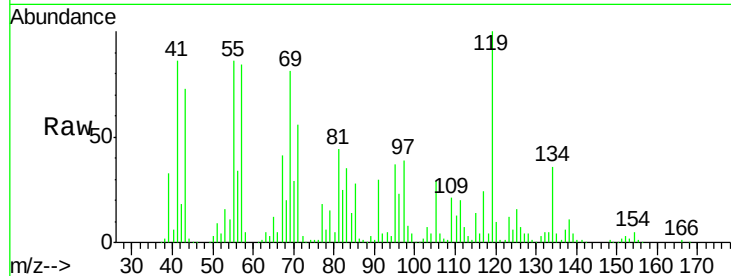




#23
 Nitrobenzene-d5
 Concen: 796.45 ng
 RT: 7.23 min Scan# 485
 Delta R.T. 0.05 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

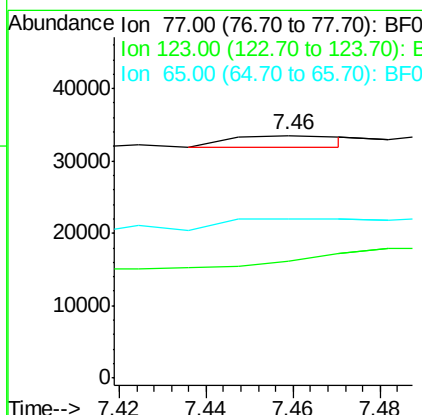
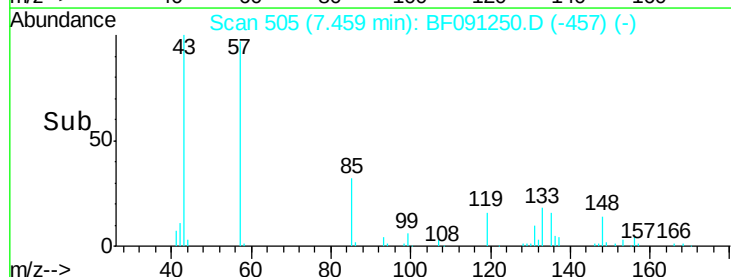
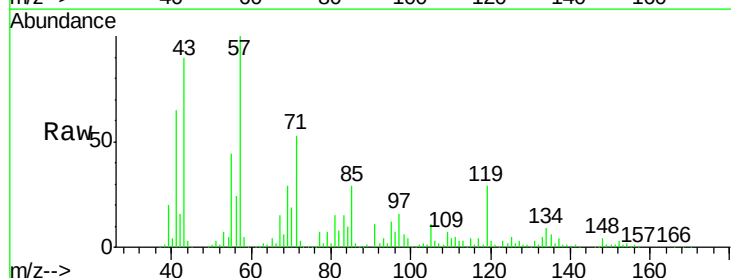
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

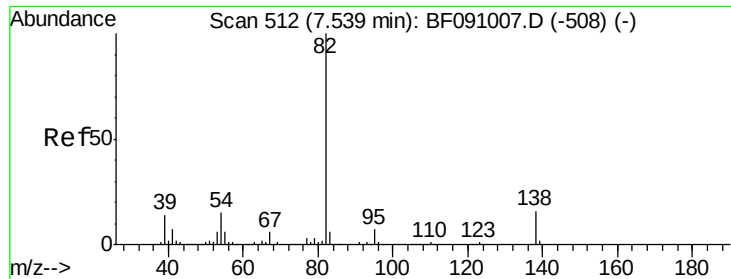
Tgt Ion: 82 Resp: 299627
 Ion Ratio Lower Upper
 82 100
 128 14.1 32.4 48.6#
 54 44.0 39.2 58.8



#24
 Nitrobenzene
 Concen: 7.70 ng
 RT: 7.46 min Scan# 505
 Delta R.T. 0.25 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

Tgt Ion: 77 Resp: 3200
 Ion Ratio Lower Upper
 77 100
 123 48.3 36.5 54.7
 65 65.7 10.7 16.1#





#25

Isophorone

Concen: 1051.96 ng

RT: 7.64 min Scan# 521

Delta R.T. 0.19 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

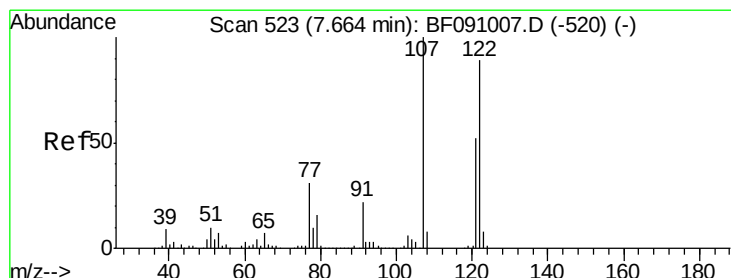
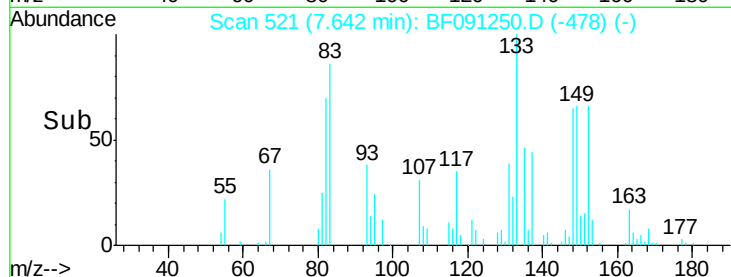
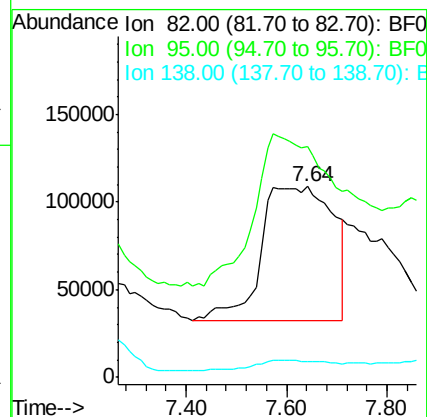
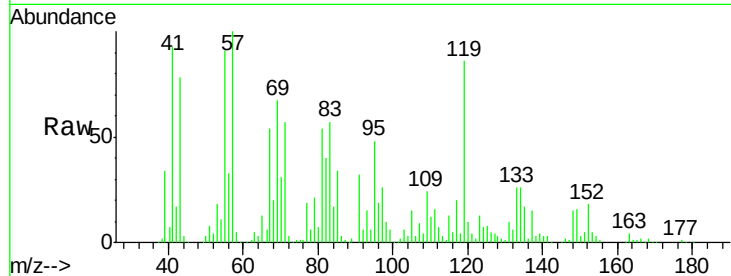
Tgt Ion: 82 Resp: 762575

Ion Ratio Lower Upper

82 100

95 120.8 5.4 8.0#

138 8.6 13.0 19.4#



#27

2,4-Dimethylphenol

Concen: 119.93 ng

RT: 7.63 min Scan# 520

Delta R.T. 0.05 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

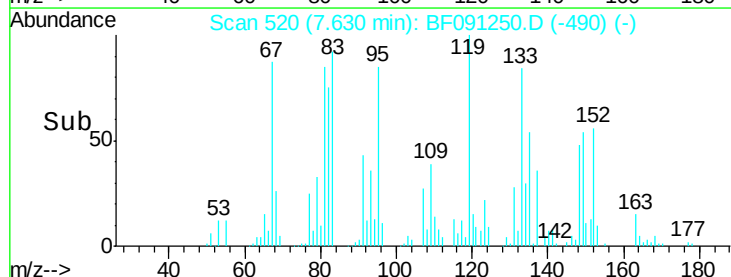
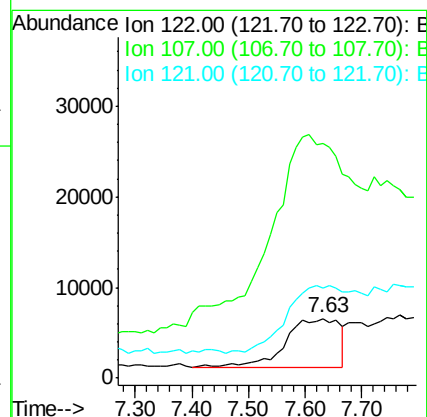
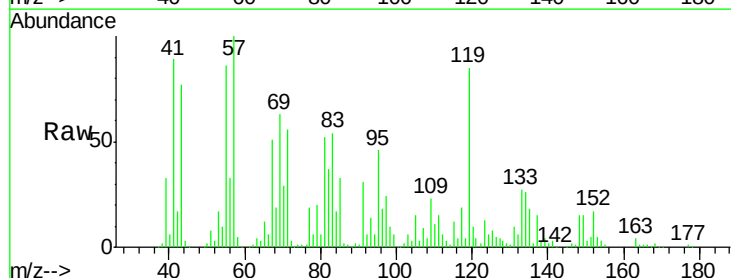
Tgt Ion: 122 Resp: 34873

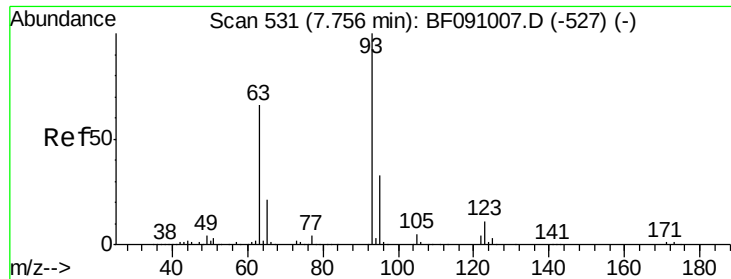
Ion Ratio Lower Upper

122 100

107 395.1 89.6 134.4#

121 151.2 46.3 69.5#





#28

bis(2-Chloroethoxy)methane

Concen: 859.17 ng

RT: 7.60 min Scan# 517

Delta R.T. -0.07 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

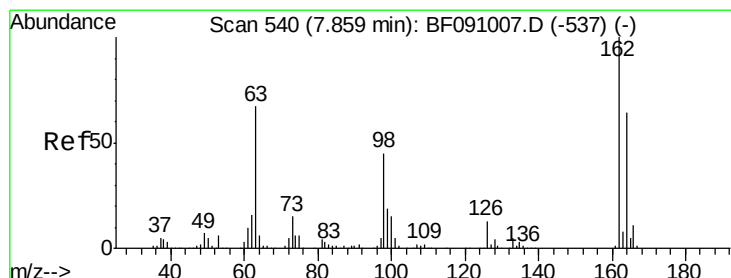
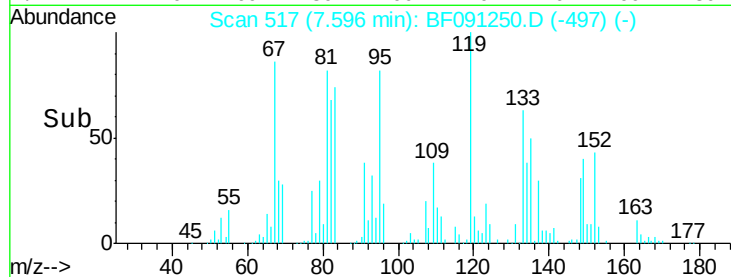
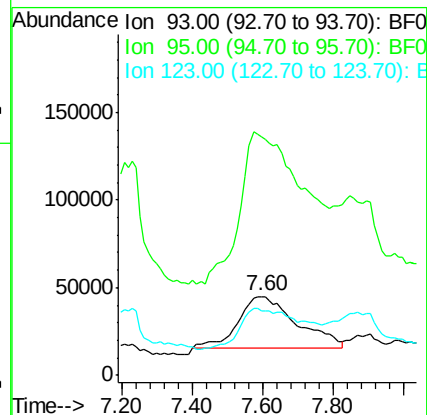
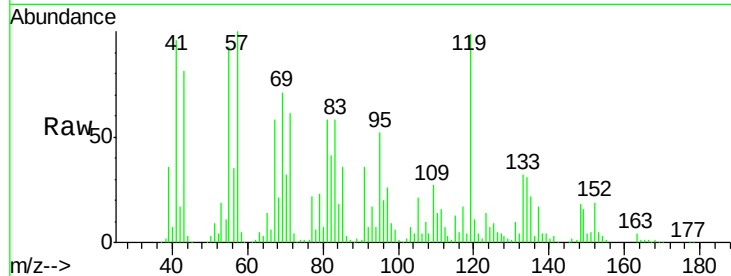
Tgt Ion: 93 Resp: 340256

Ion Ratio Lower Upper

93 100

95 302.6 26.3 39.5#

123 82.3 8.7 13.1#



#29

2,4-Dichlorophenol

Concen: 218.96 ng

RT: 7.90 min Scan# 544

Delta R.T. 0.13 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

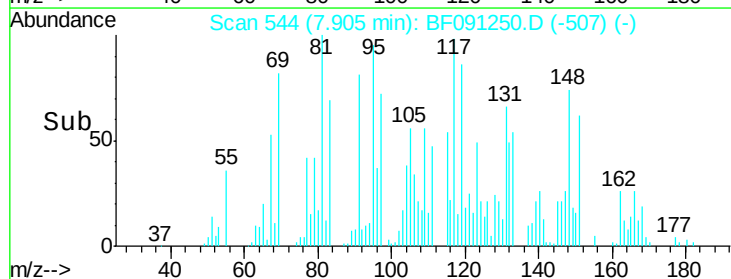
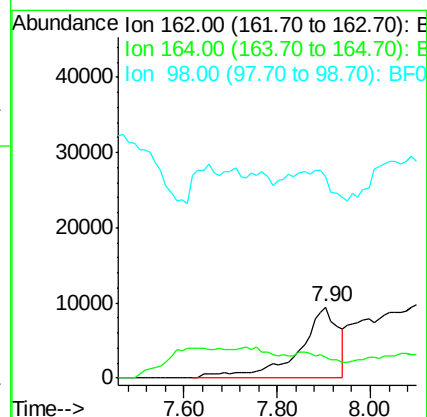
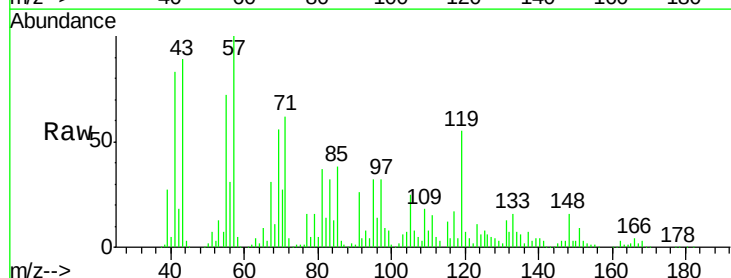
Tgt Ion: 162 Resp: 55566

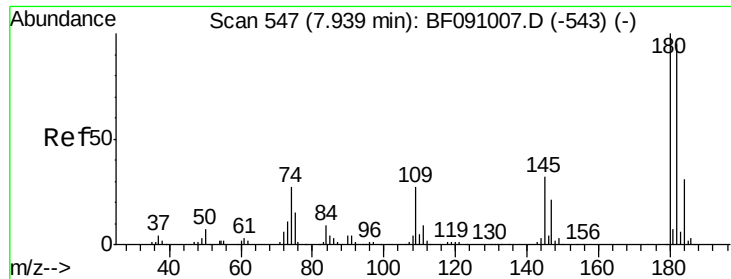
Ion Ratio Lower Upper

162 100

164 29.3 44.4 84.4#

98 283.9 25.2 65.2#

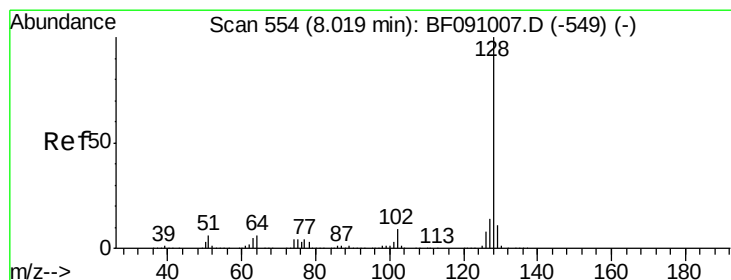
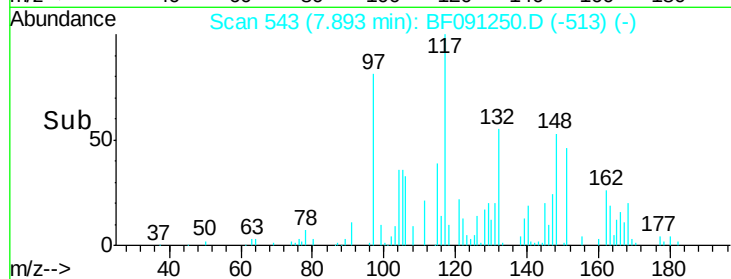
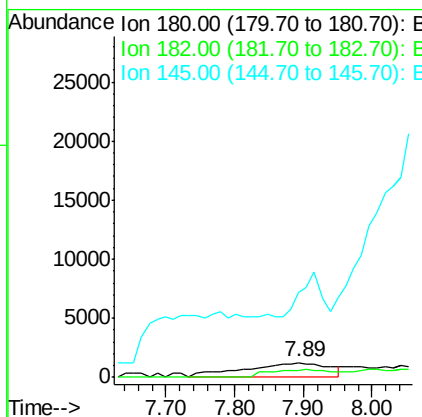
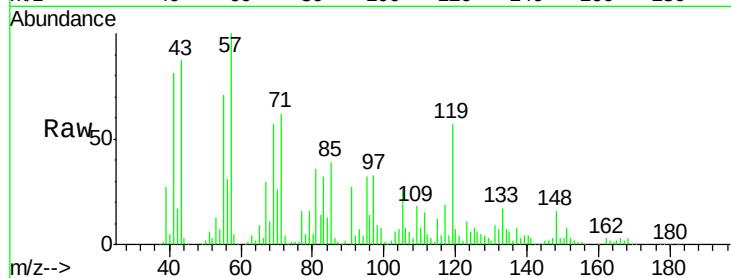




#30
 1,2,4-Trichlorobenzene
 Concen: 36.84 ng
 RT: 7.89 min Scan# 543
 Delta R.T. 0.05 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

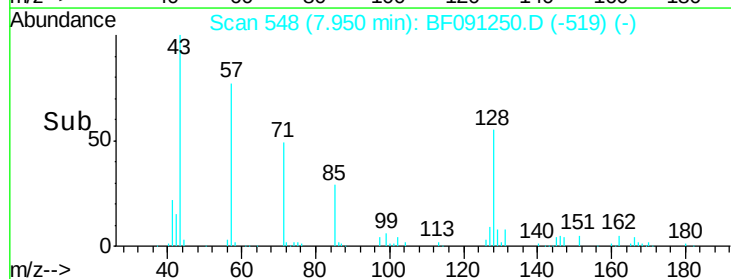
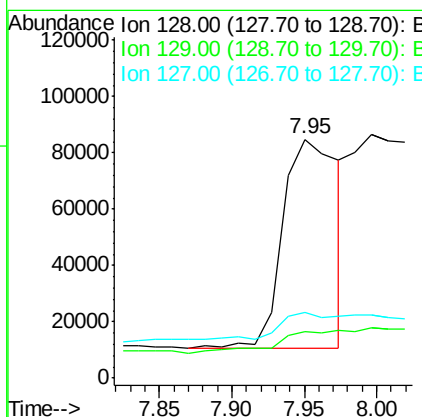
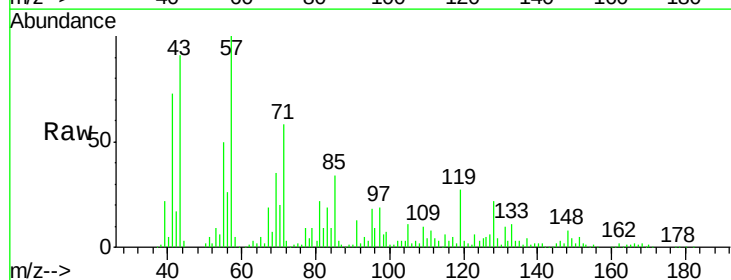
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

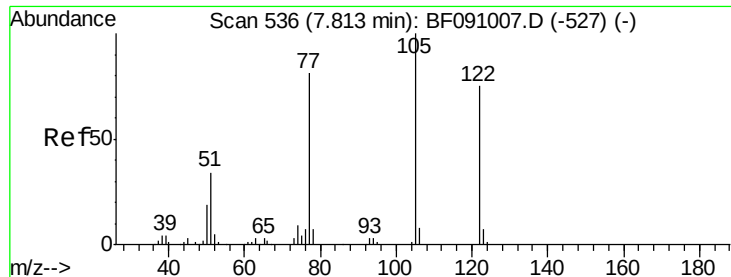
Tgt Ion:180 Resp: 10512
 Ion Ratio Lower Upper
 180 100
 182 46.2 76.0 114.0#
 145 568.1 25.8 38.8#



#31
 Naphthalene
 Concen: 201.19 ng
 RT: 7.95 min Scan# 548
 Delta R.T. 0.03 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

Tgt Ion:128 Resp: 197461
 Ion Ratio Lower Upper
 128 100
 129 19.7 9.0 13.6#
 127 27.6 10.9 16.3#





#32

Benzoic acid

Concen: 124.03 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.13 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

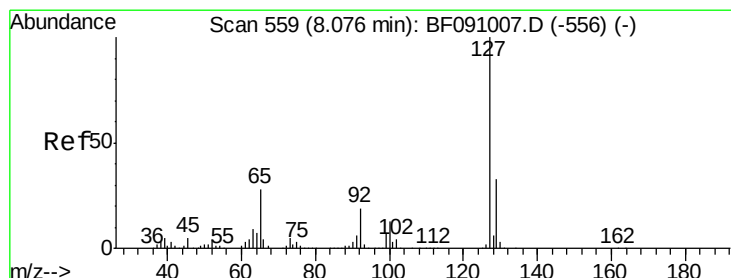
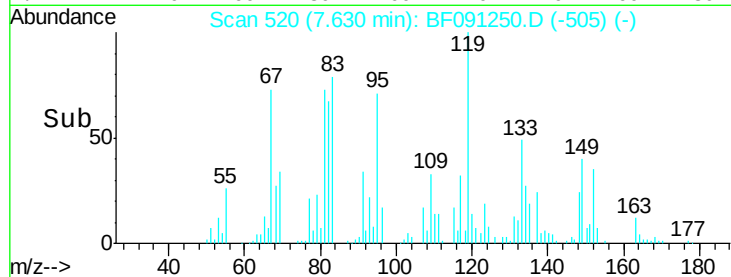
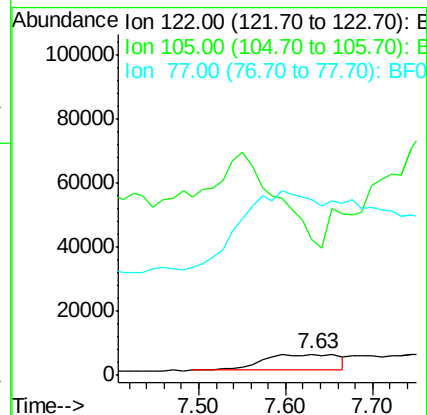
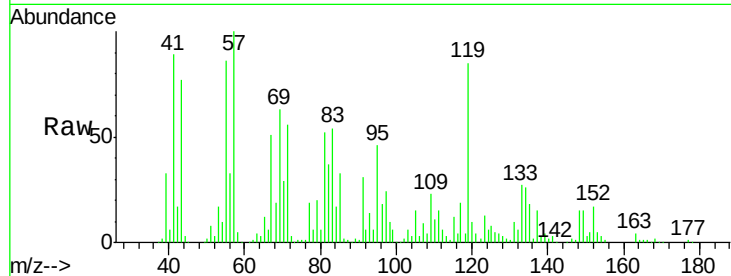
Tgt Ion:122 Resp: 30176

Ion Ratio Lower Upper

122 100

105 650.3 105.9 145.9#

77 833.5 84.0 124.0#



#33

4-Chloroaniline

Concen: 60.23 ng

RT: 7.95 min Scan# 548

Delta R.T. -0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Tgt Ion:127 Resp: 24585

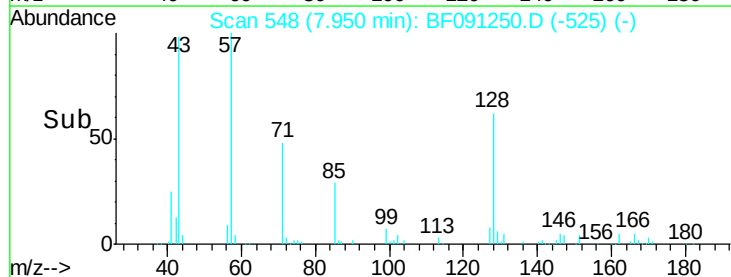
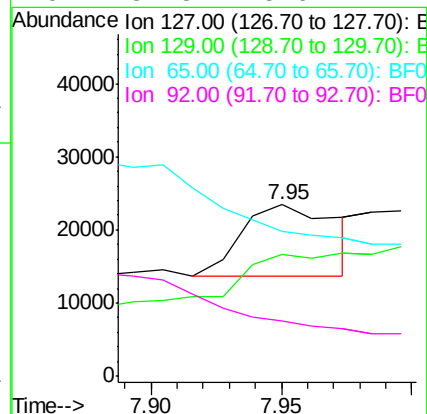
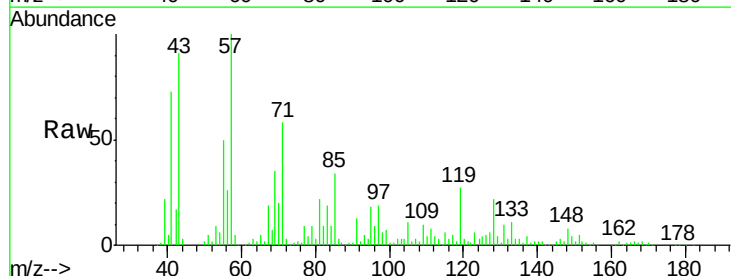
Ion Ratio Lower Upper

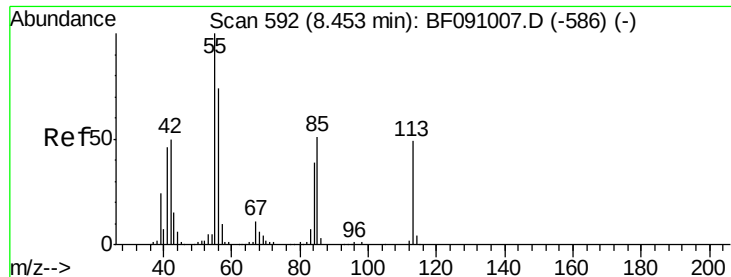
127 100

129 71.4 26.6 39.8#

65 84.2 22.2 33.2#

92 31.8 15.0 22.4#





#35

Caprolactam

Concen: 580.33 ng

RT: 8.44 min Scan# 591

Delta R.T. 0.07 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

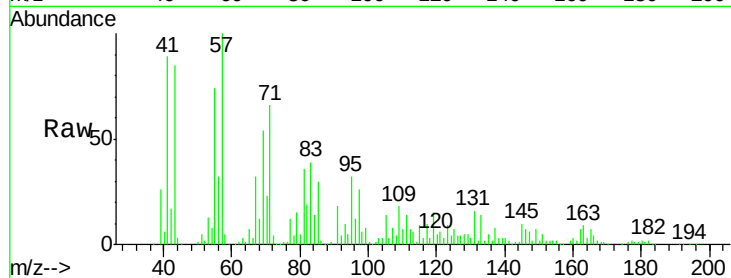
Tgt Ion:113 Resp: 46269

Ion Ratio Lower Upper

113 100

55 1183.7 184.1 224.1#

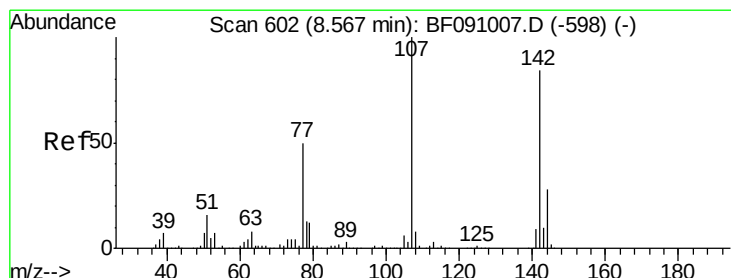
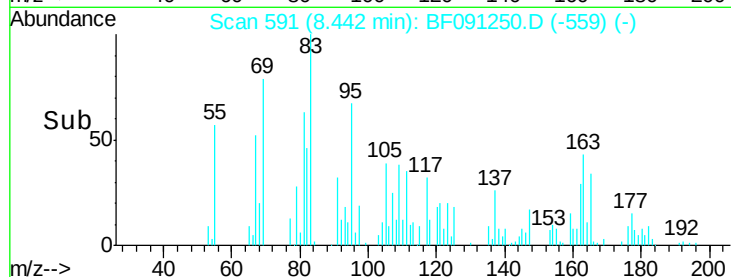
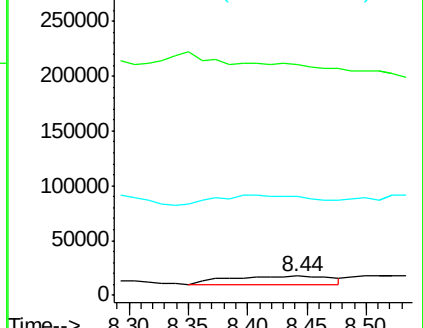
56 504.0 132.0 172.0#



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: 90.85 ng

RT: 8.29 min Scan# 578

Delta R.T. -0.19 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

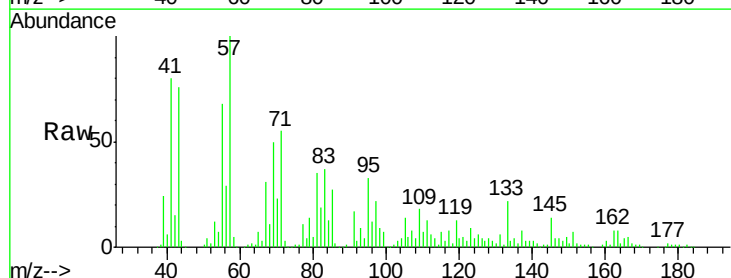
Tgt Ion:107 Resp: 27912

Ion Ratio Lower Upper

107 100

144 9.4 22.5 33.7#

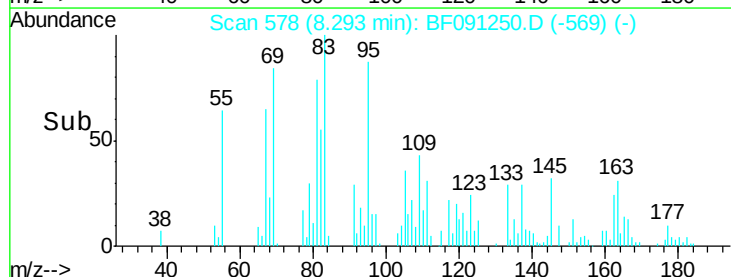
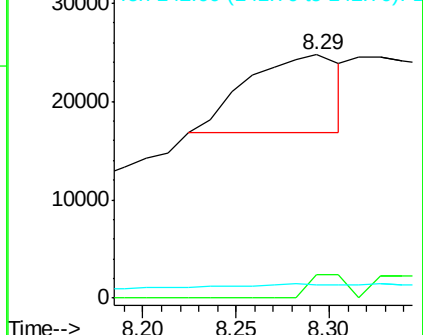
142 5.6 67.4 101.2#

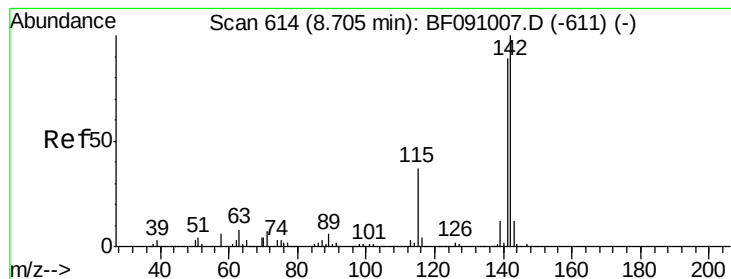


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 1835.66 ng

RT: 8.80 min Scan# 622

Delta R.T. 0.18 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

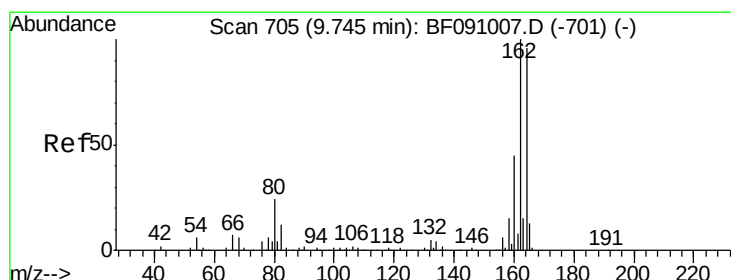
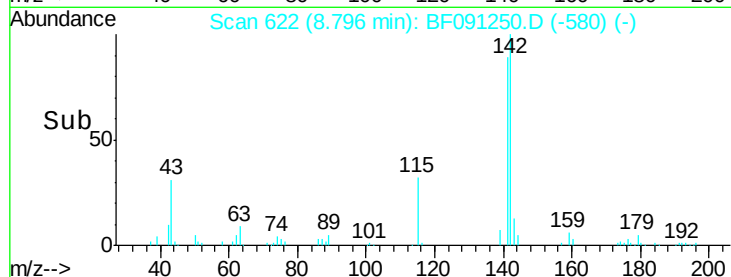
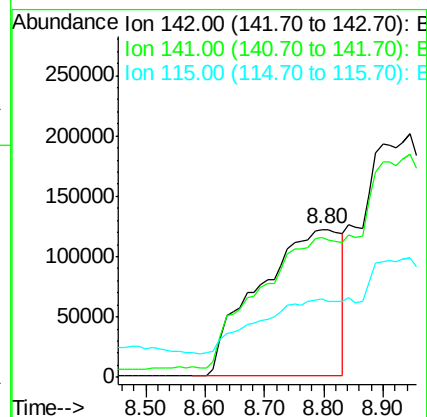
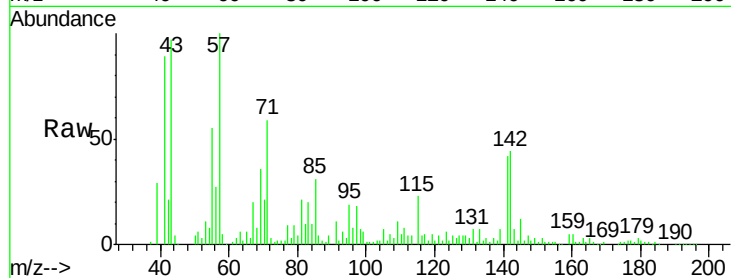
Tgt Ion:142 Resp: 1158158

Ion Ratio Lower Upper

142 100

141 95.2 71.3 106.9

115 52.9 29.9 44.9#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 700

Delta R.T. 0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

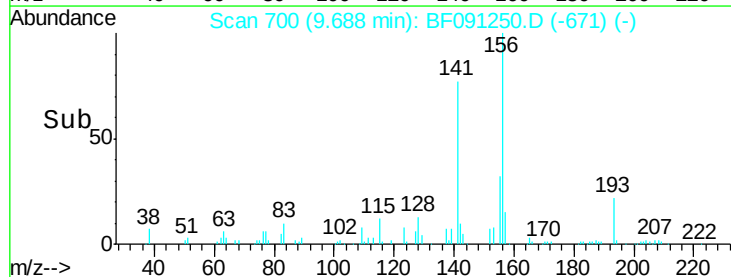
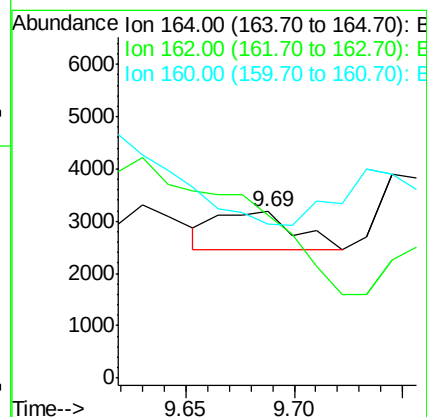
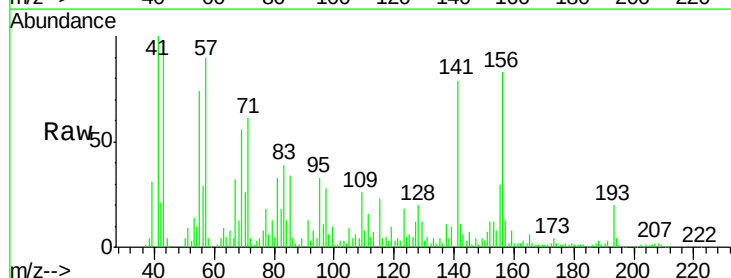
Tgt Ion:164 Resp: 1865

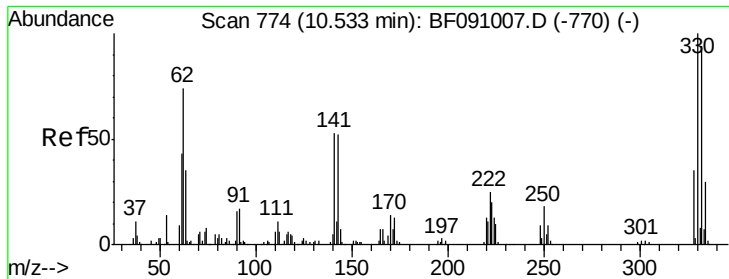
Ion Ratio Lower Upper

164 100

162 98.1 83.6 125.4

160 92.6 37.9 56.9#

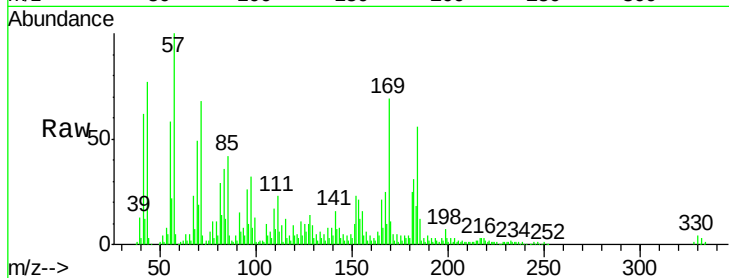




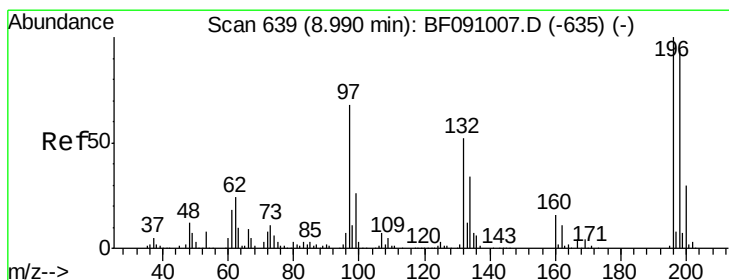
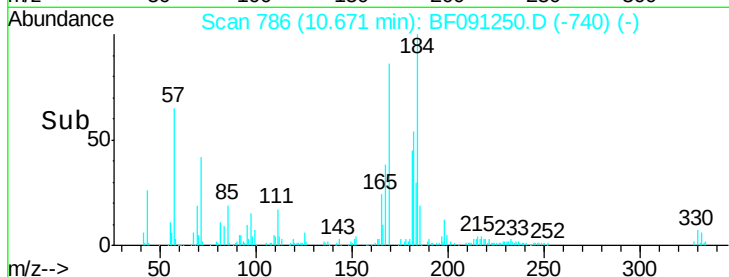
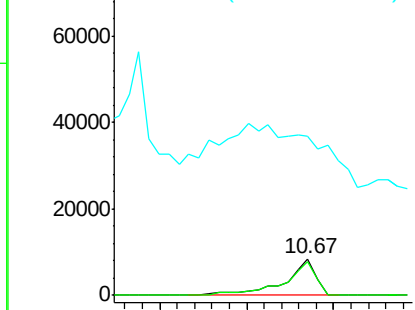
#41
 2,4,6-Tribromophenol
 Concen: 1237.07 ng
 RT: 10.67 min Scan# 786
 Delta R.T. 0.23 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

Tgt Ion:330 Resp: 20858
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.9 113.9
 141 0.0 36.1 54.1#

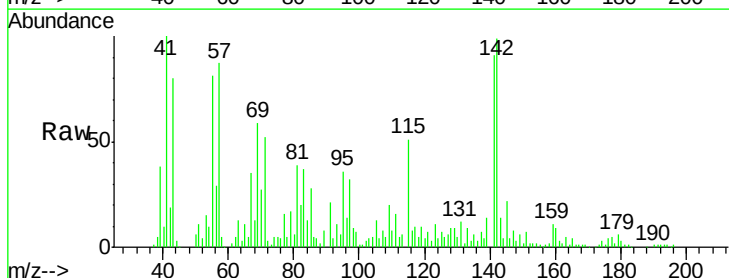


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

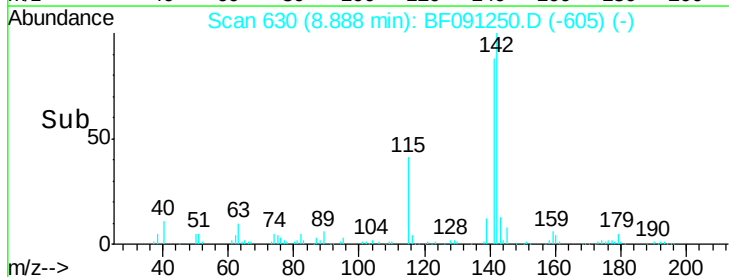
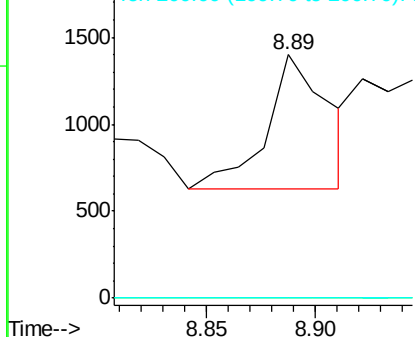


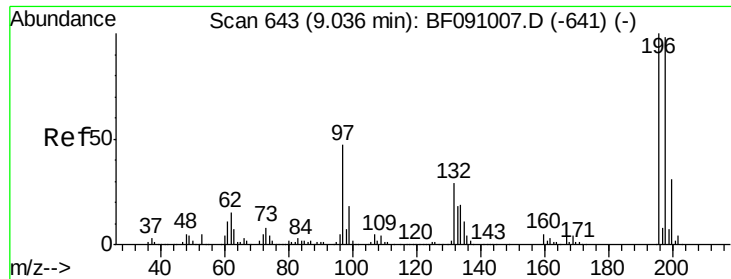
#42
 2,4,6-Trichlorophenol
 Concen: 50.56 ng
 RT: 8.89 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

Tgt Ion:196 Resp: 1552
 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

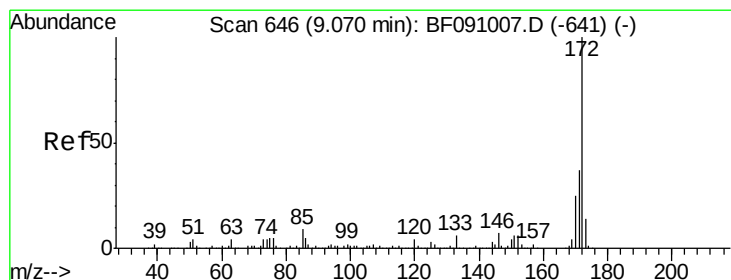
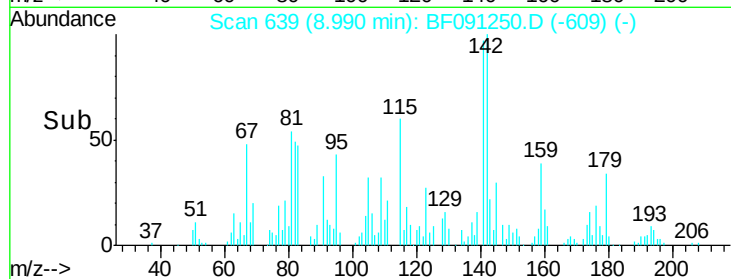
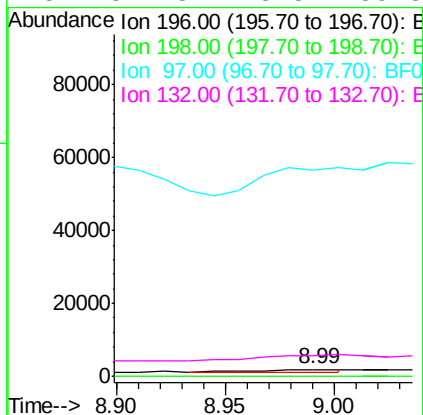
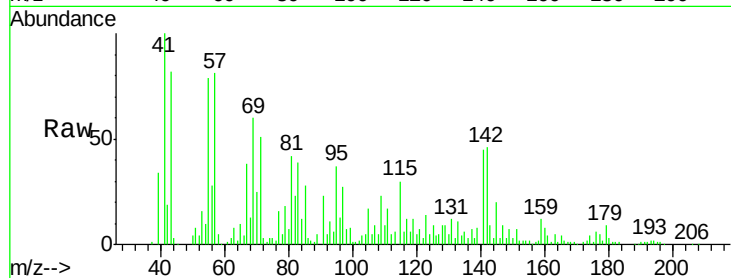




#43
 2,4,5-Trichlorophenol
 Concen: 56.50 ng
 RT: 8.99 min Scan# 639
 Delta R.T. 0.05 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

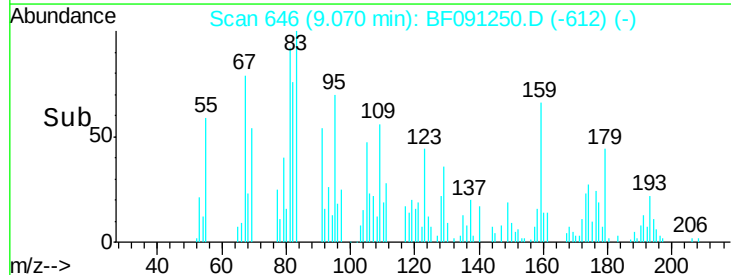
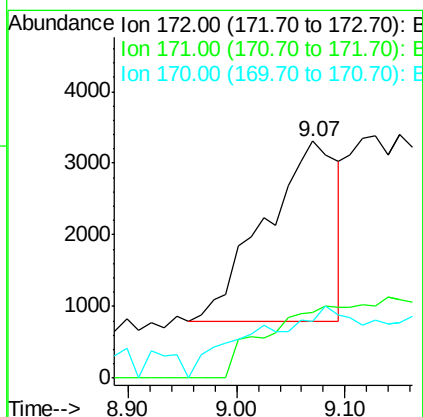
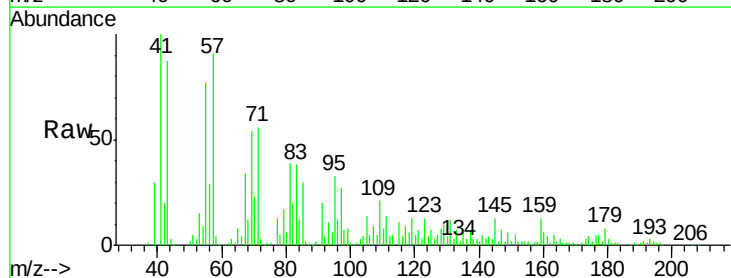
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

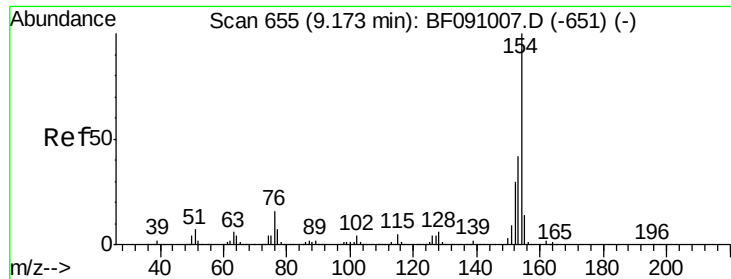
Tgt Ion:196 Resp: 1821
 Ion Ratio Lower Upper
 196 100
 198 0.0 78.2 117.4#
 97 3119.5 38.8 58.2#
 132 312.8 23.5 35.3#



#44
 2-Fluorobiphenyl
 Concen: 107.95 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.09 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

Tgt Ion:172 Resp: 11694
 Ion Ratio Lower Upper
 172 100
 171 28.0 29.8 44.6#
 170 24.2 20.3 30.5





#45

1,1'-Biphenyl

Concen: 281.52 ng

RT: 9.20 min Scan# 657

Delta R.T. 0.11 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

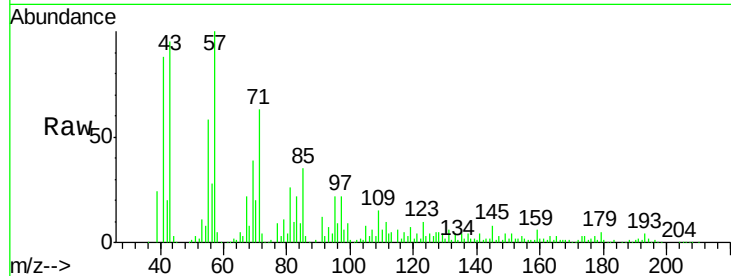
Tgt Ion:154 Resp: 38337

Ion Ratio Lower Upper

154 100

153 59.1 21.6 61.6

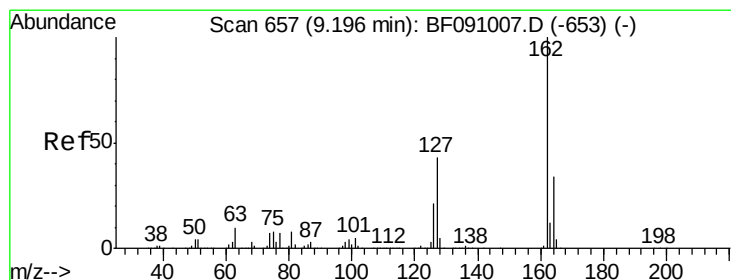
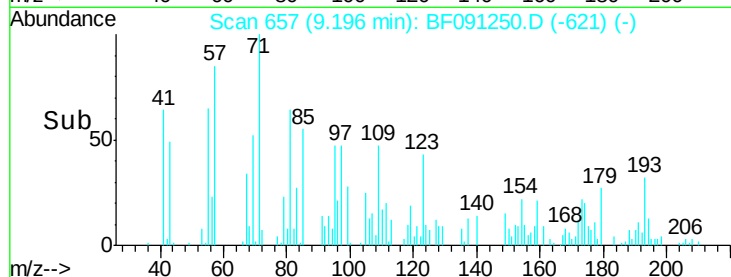
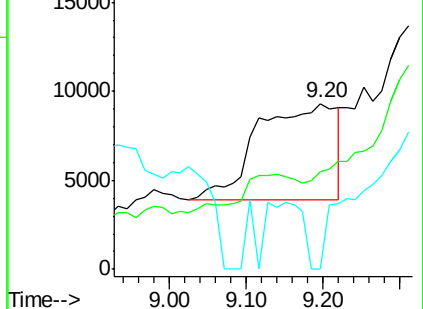
76 0.0 0.0 36.2



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): BF0



#46

2-Chloronaphthalene

Concen: 41.59 ng

RT: 9.08 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

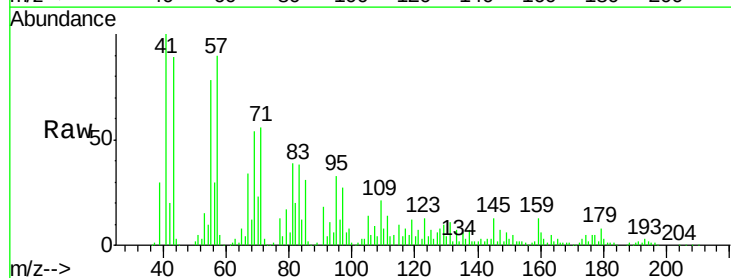
Tgt Ion:162 Resp: 4300

Ion Ratio Lower Upper

162 100

127 423.4 34.7 52.1#

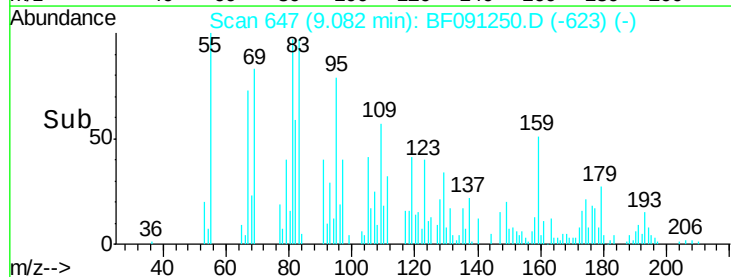
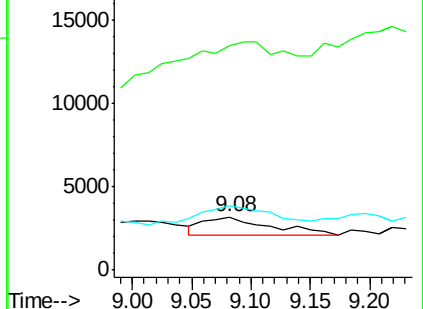
164 121.8 27.0 40.4#

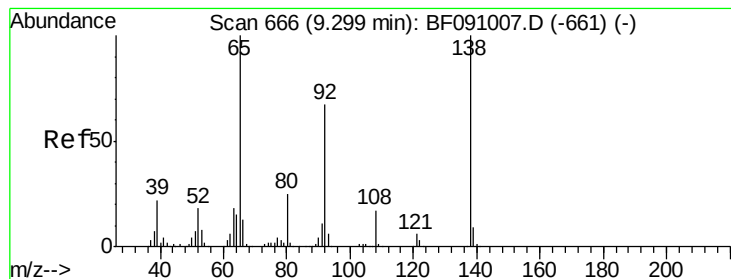


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

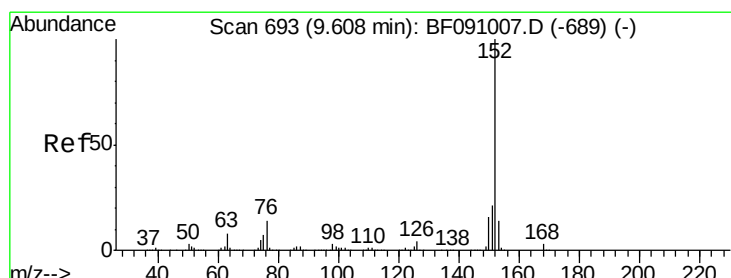
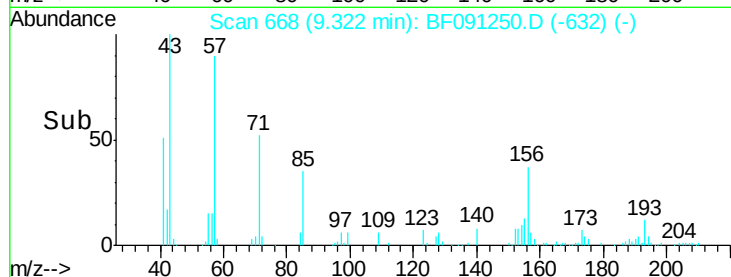
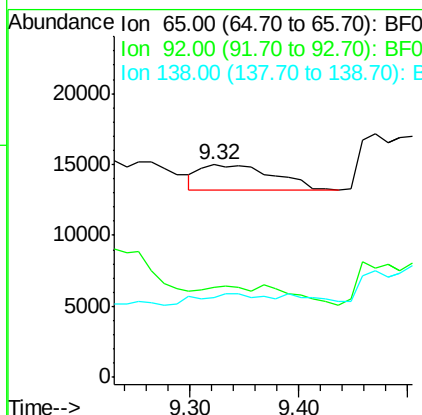
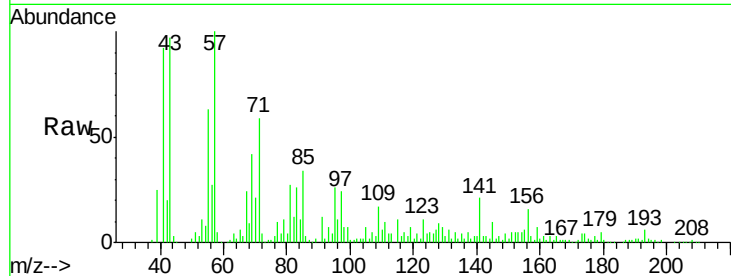




#47
2-Nitroaniline
Concen: 215.09 ng
RT: 9.32 min Scan# 668
Delta R.T. 0.11 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

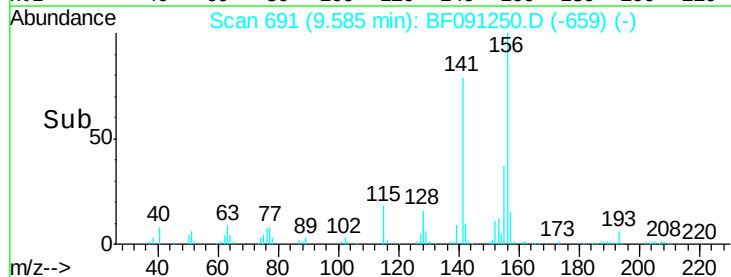
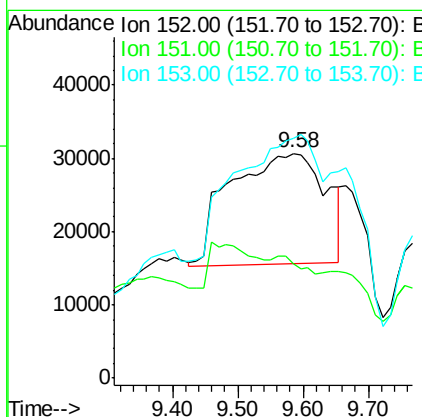
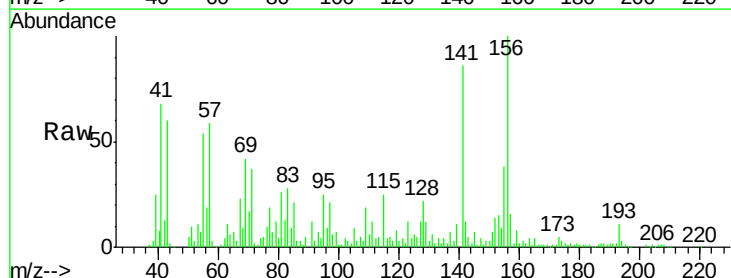
Instrument :
BNA_F
ClientSampleId :
UST-SW2

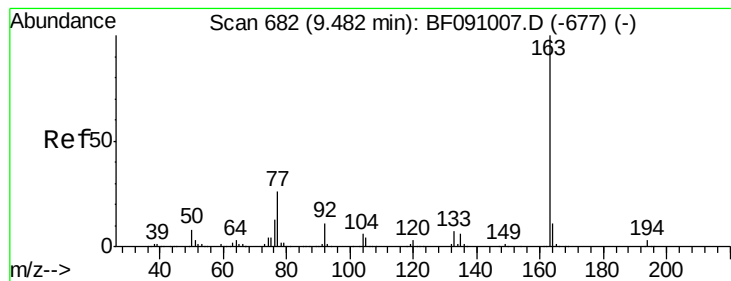
Tgt Ion: 65 Resp: 8253
Ion Ratio Lower Upper
65 100
92 42.4 53.9 80.9#
138 37.4 80.1 120.1#



#48
Acenaphthylene
Concen: 947.87 ng
RT: 9.58 min Scan# 691
Delta R.T. 0.07 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

Tgt Ion: 152 Resp: 152730
Ion Ratio Lower Upper
152 100
151 50.8 16.7 25.1#
153 106.9 11.1 16.7#





#49

Dimethylphthalate

Concen: 104.59 ng

RT: 9.46 min Scan# 680

Delta R.T. 0.07 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

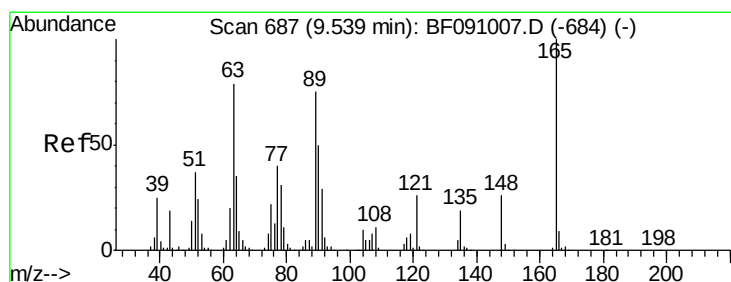
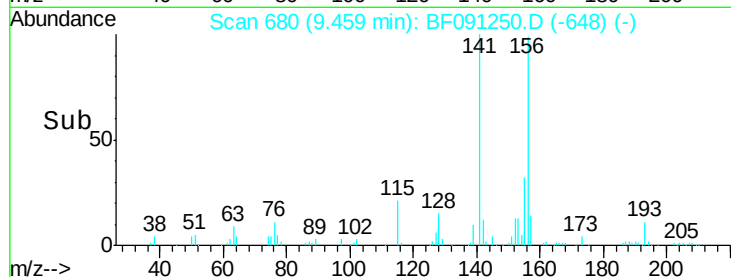
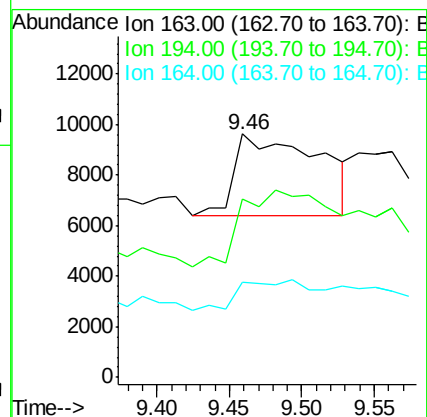
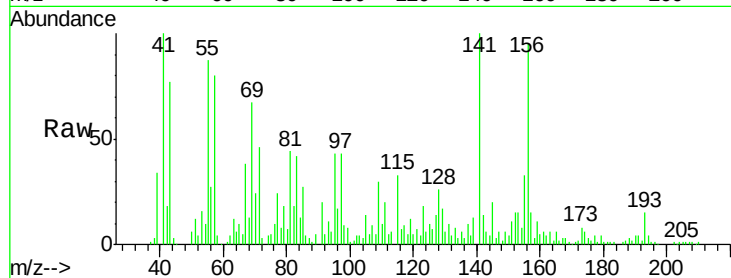
Tgt Ion:163 Resp: 12791

Ion Ratio Lower Upper

163 100

194 73.2 2.6 4.0#

164 39.2 8.7 13.1#



#50

2,6-Dinitrotoluene

Concen: 662.00 ng

RT: 9.48 min Scan# 682

Delta R.T. 0.02 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

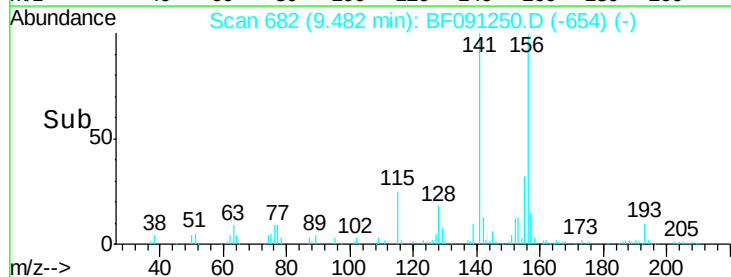
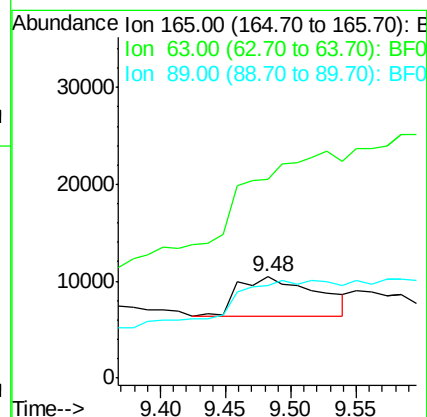
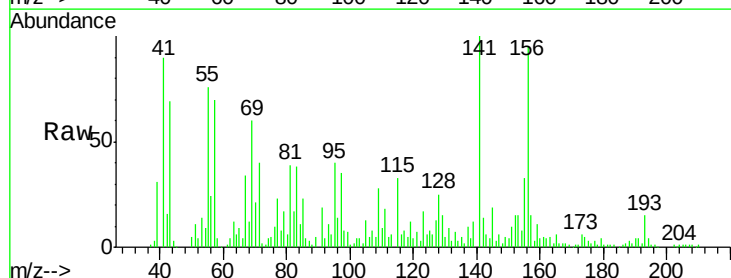
Tgt Ion:165 Resp: 17350

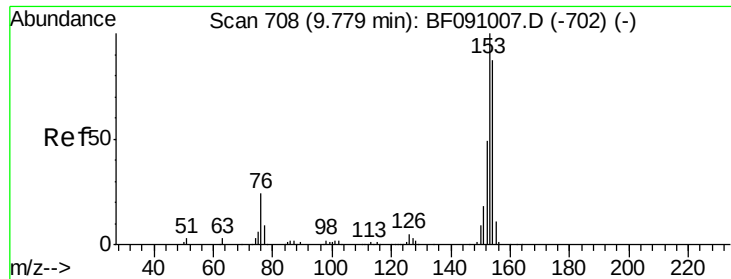
Ion Ratio Lower Upper

165 100

63 197.1 65.6 98.4#

89 91.5 59.8 89.6#





#51

Acenaphthene

Concen: 185.63 ng

RT: 9.77 min Scan# 707

Delta R.T. 0.08 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

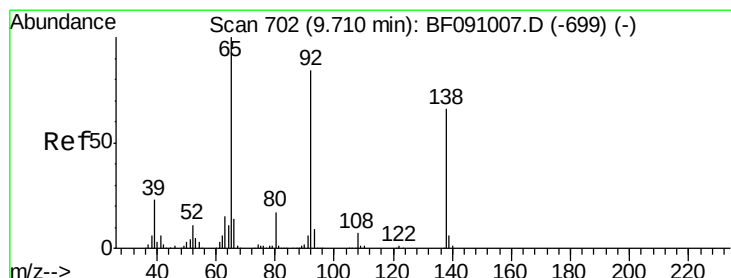
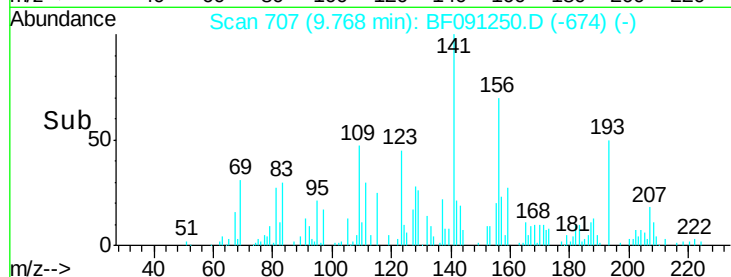
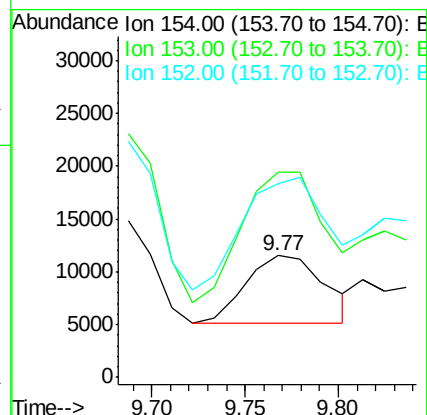
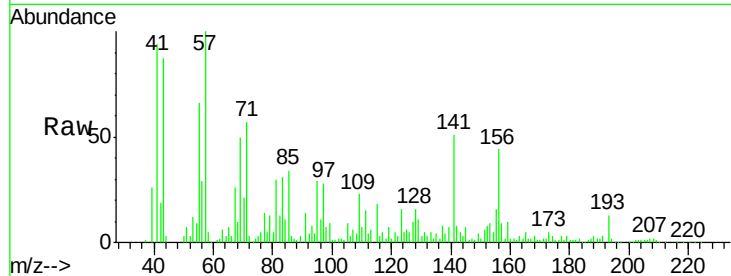
Tgt Ion:154 Resp: 18778

Ion Ratio Lower Upper

154 100

153 169.4 91.6 137.4#

152 159.6 44.6 67.0#



#52

3-Nitroaniline

Concen: 38.55 ng

RT: 9.65 min Scan# 697

Delta R.T. 0.02 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

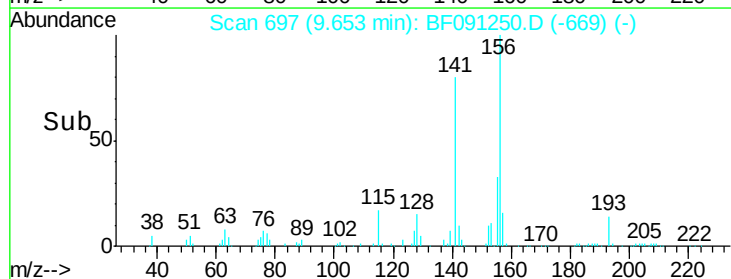
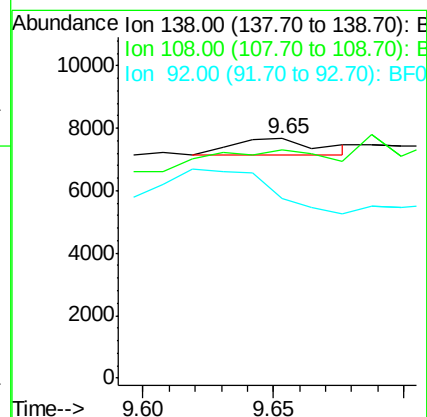
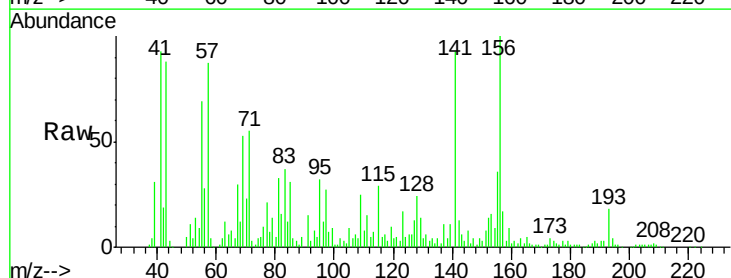
Tgt Ion:138 Resp: 1198

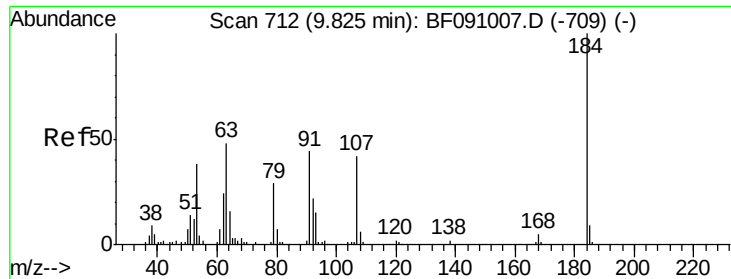
Ion Ratio Lower Upper

138 100

108 95.2 8.4 12.6#

92 74.8 101.1 151.7#

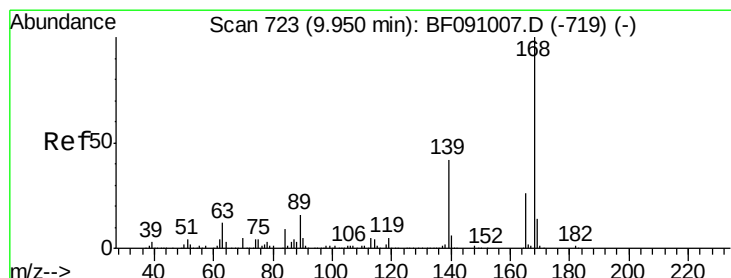
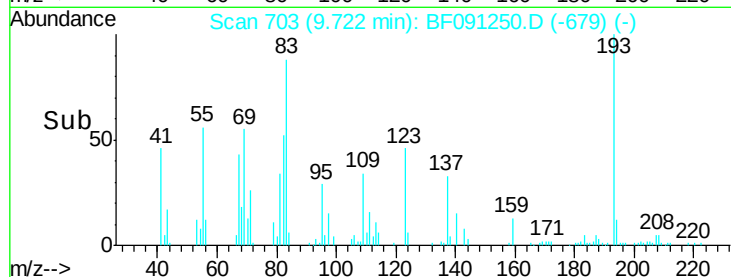
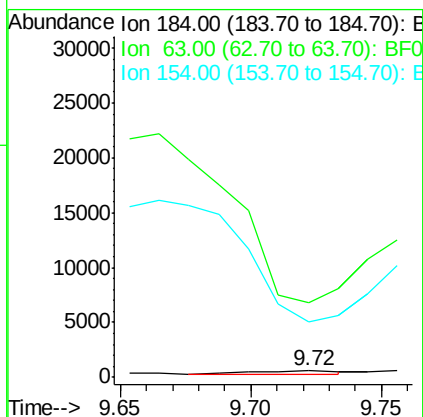
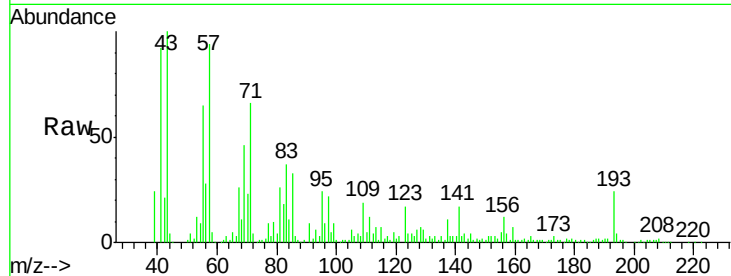




#53
 2,4-Dinitrophenol
 Concen: 46.29 ng
 RT: 9.72 min Scan# 703
 Delta R.T. -0.02 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

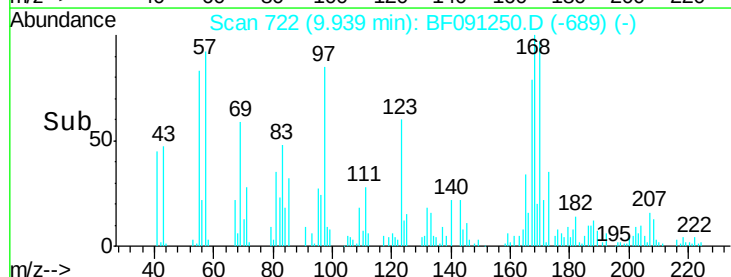
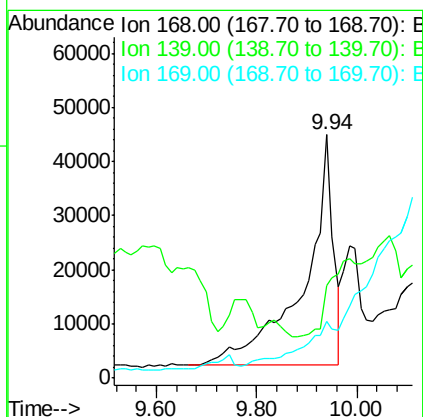
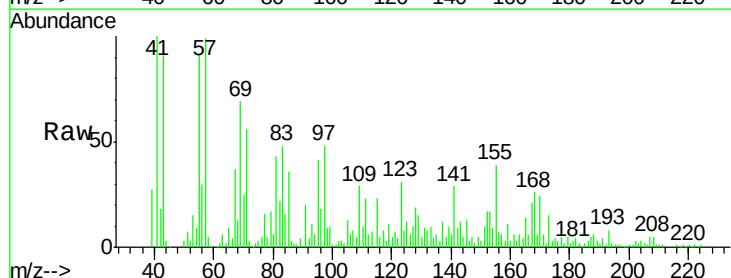
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

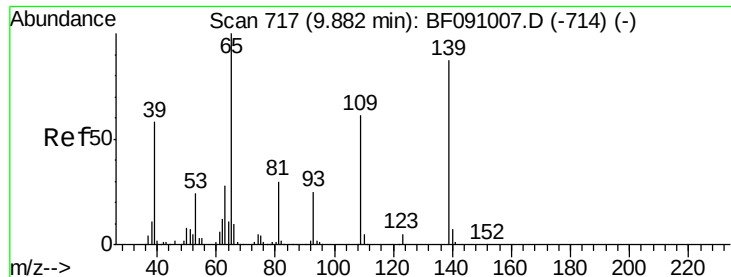
Tgt Ion:184 Resp: 620
 Ion Ratio Lower Upper
 184 100
 63 1125.2 45.5 68.3#
 154 851.8 51.0 76.4#



#54
 Dibenzofuran
 Concen: 1263.46 ng
 RT: 9.94 min Scan# 722
 Delta R.T. 0.08 min
 Lab File: BF091250.D
 Acq: 18 Nov 2016 23:09

Tgt Ion:168 Resp: 172044
 Ion Ratio Lower Upper
 168 100
 139 37.9 34.8 52.2
 169 23.2 11.4 17.2#





#55

4-Nitrophenol

Concen: 277.22 ng

RT: 9.84 min Scan# 713

Delta R.T. 0.02 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

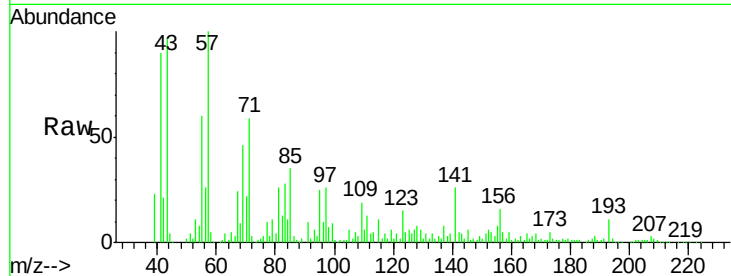
BNA_F

ClientSampleId :

UST-SW2

Tgt Ion:139 Resp: 6053

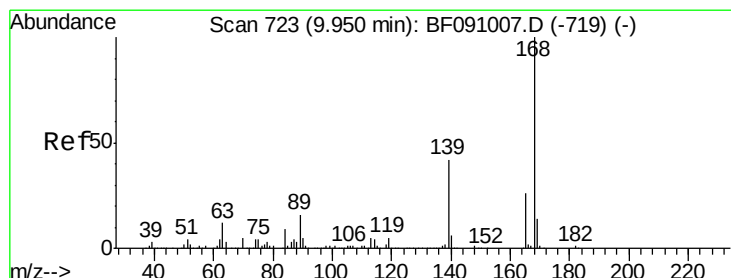
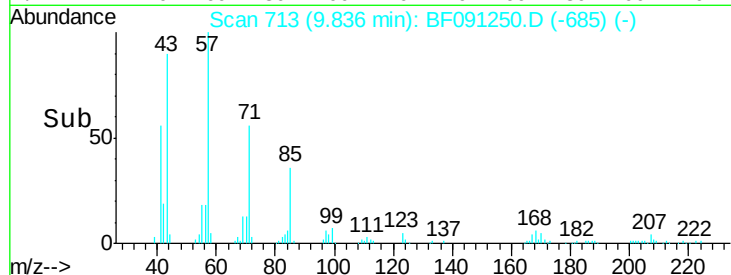
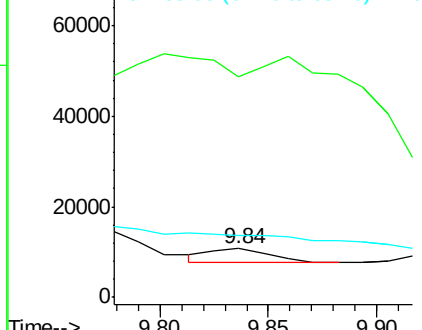
Ion	Ratio	Lower	Upper
139	100		
109	454.7	50.5	90.5#
65	127.2	97.1	137.1



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 660.41 ng

RT: 9.94 min Scan# 722

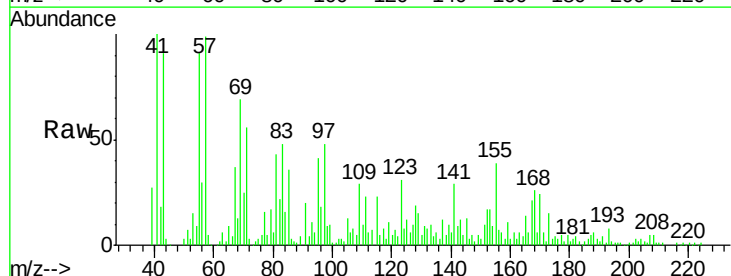
Delta R.T. 0.08 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Tgt Ion:165 Resp: 22022

Ion	Ratio	Lower	Upper
165	100		
63	44.0	38.7	58.1
89	32.4	50.6	76.0#
182	32.7	1.8	2.8#

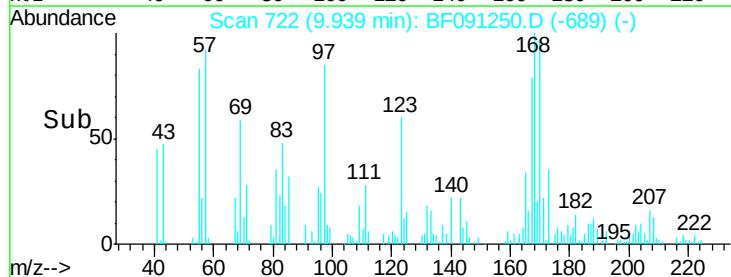
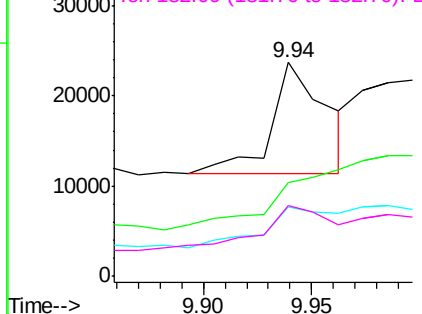


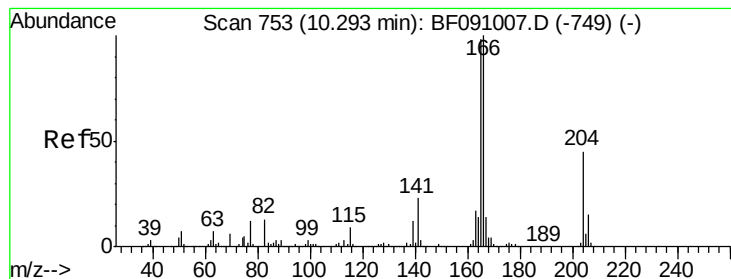
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 1839.25 ng

RT: 10.46 min Scan# 768

Delta R.T. 0.26 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

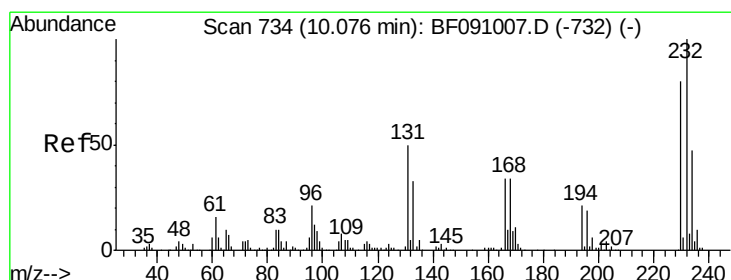
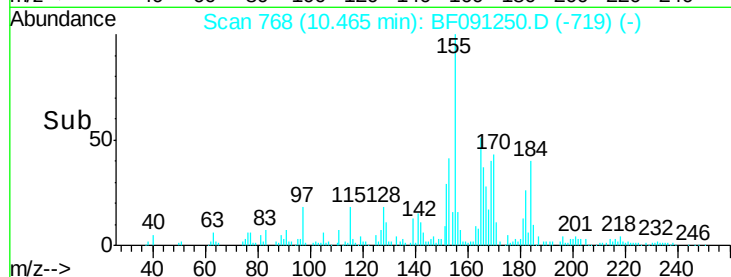
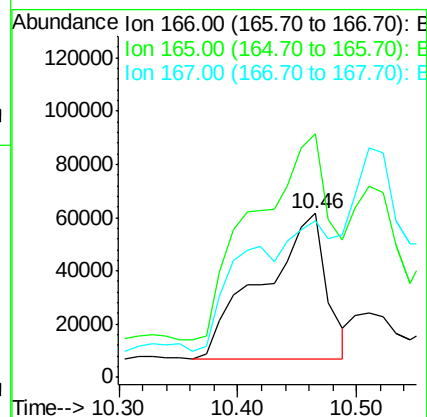
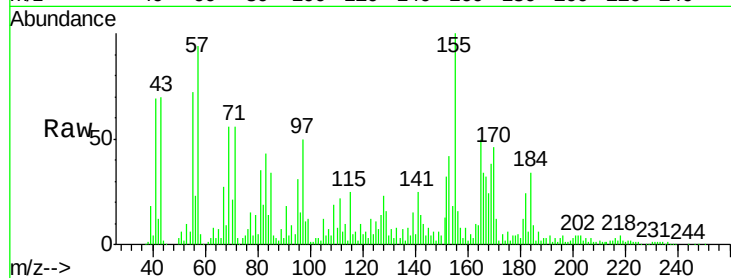
Tgt Ion:166 Resp: 204721

Ion Ratio Lower Upper

166 100

165 148.3 78.6 118.0#

167 95.0 11.1 16.7#



#58

2,3,4,6-Tetrachlorophenol

Concen: 14.50 ng

RT: 10.04 min Scan# 731

Delta R.T. 0.06 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Tgt Ion:232 Resp: 366

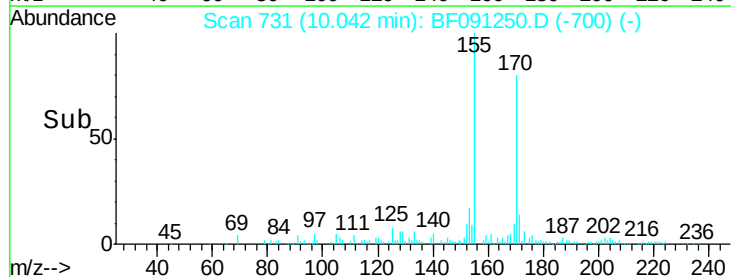
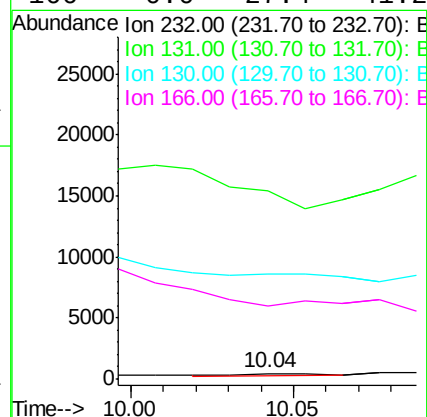
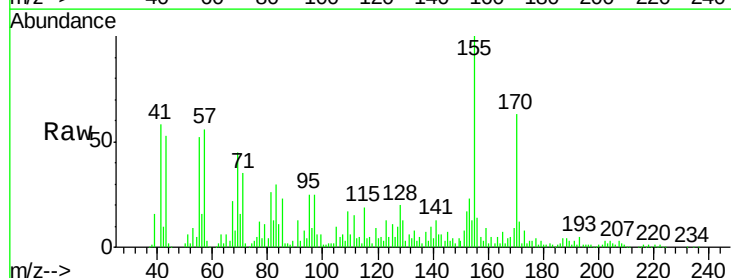
Ion Ratio Lower Upper

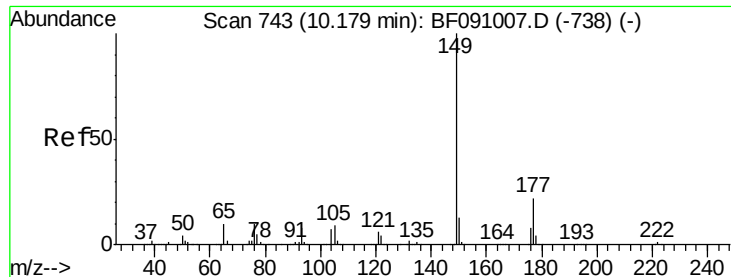
232 100

131 0.0 43.6 65.4#

130 0.0 2.0 3.0#

166 0.0 27.4 41.2#

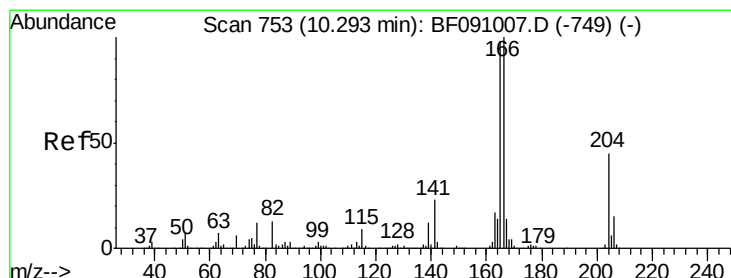
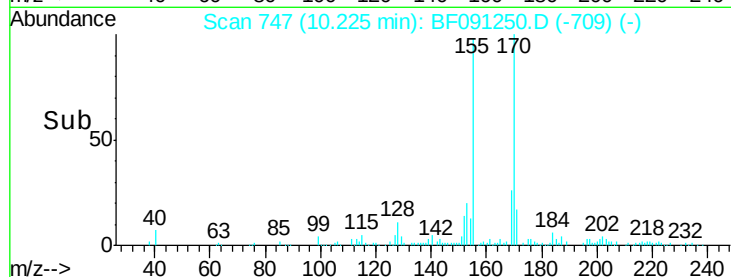
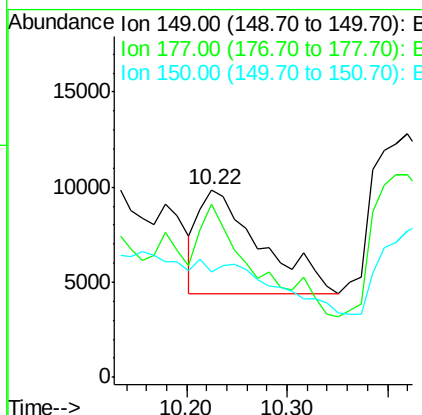
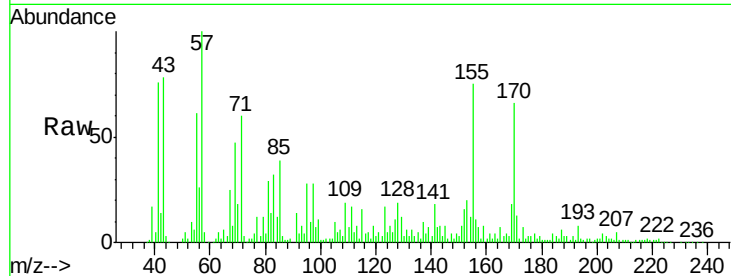




#59
Diethylphthalate
Concen: 183.22 ng
RT: 10.22 min Scan# 747
Delta R.T. 0.14 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

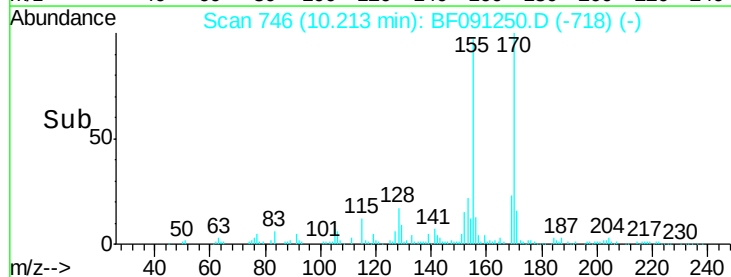
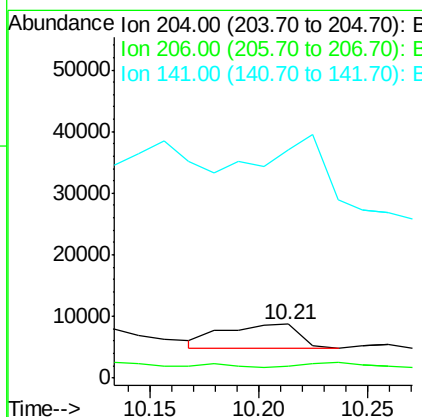
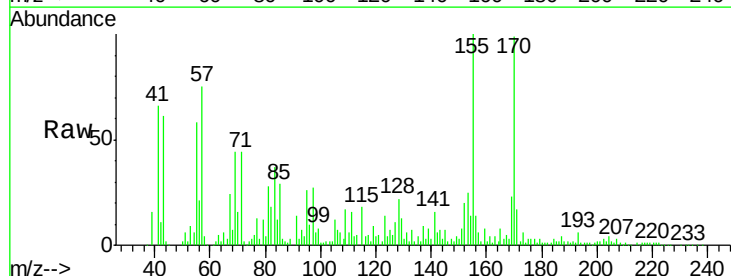
Instrument :
BNA_F
ClientSampleId :
UST-SW2

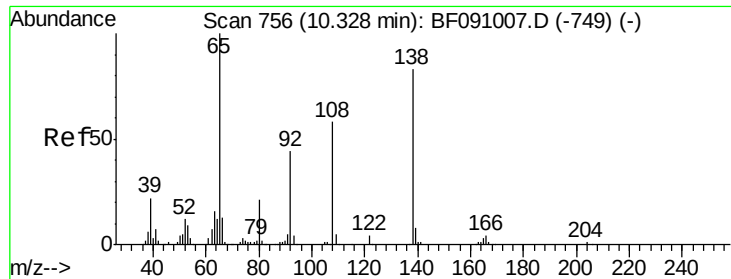
Tgt Ion:149 Resp: 22973
Ion Ratio Lower Upper
149 100
177 92.7 17.3 25.9#
150 56.4 10.3 15.5#



#60
4-Chlorophenyl-phenylether
Concen: 189.65 ng
RT: 10.21 min Scan# 746
Delta R.T. 0.02 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

Tgt Ion:204 Resp: 9607
Ion Ratio Lower Upper
204 100
206 22.7 27.1 40.7#
141 425.1 40.1 60.1#

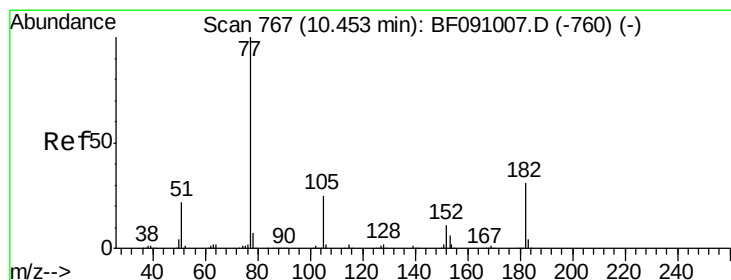
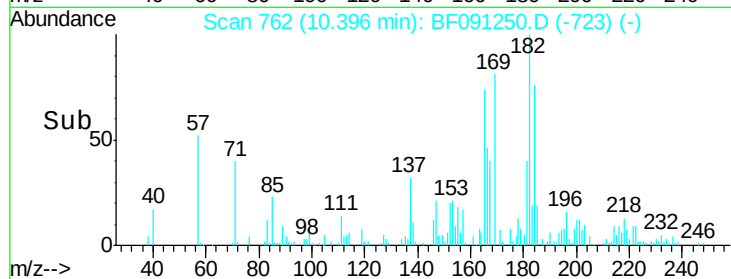
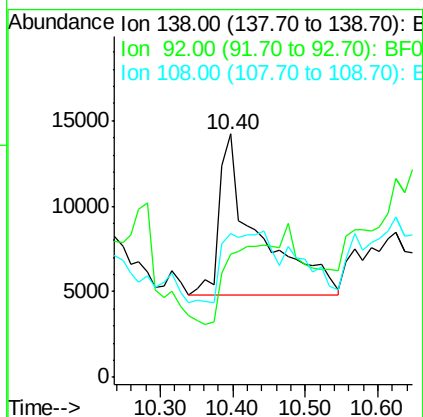
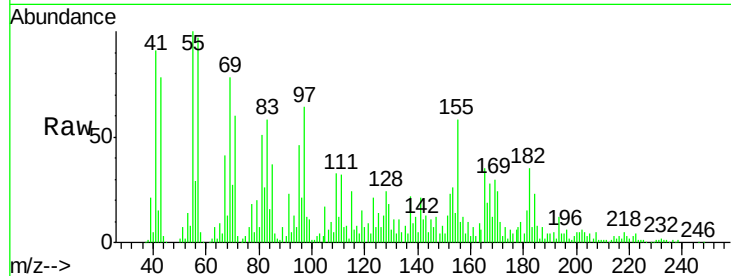




#61
4-Nitroaniline
Concen: 1106.09 ng
RT: 10.40 min Scan# 762
Delta R.T. 0.15 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

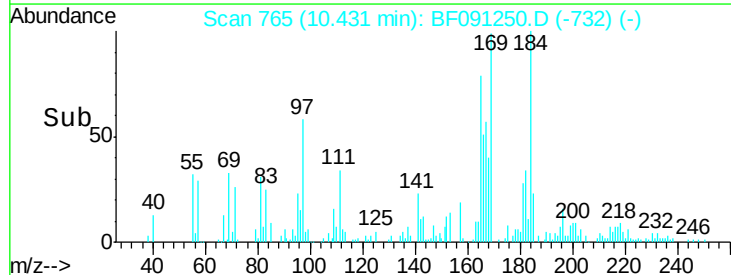
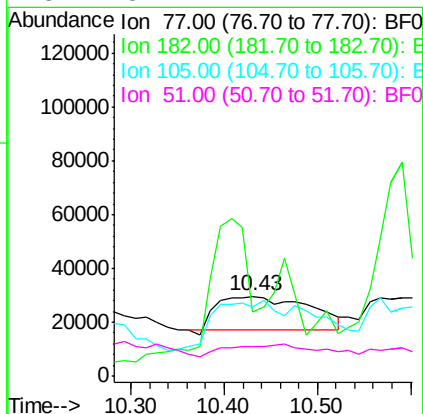
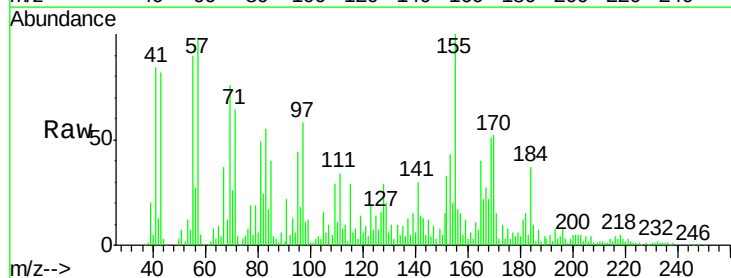
Instrument :
BNA_F
ClientSampleId :
UST-SW2

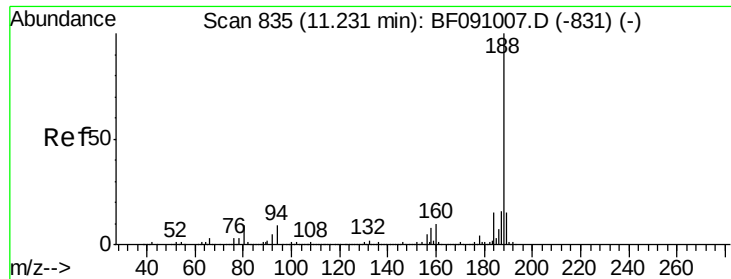
Tgt Ion: 138 Resp: 34776
Ion Ratio Lower Upper
138 100
92 50.4 32.5 72.5
108 59.2 49.4 89.4



#62
Azobenzene
Concen: 578.27 ng
RT: 10.43 min Scan# 765
Delta R.T. 0.08 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

Tgt Ion: 77 Resp: 85352
Ion Ratio Lower Upper
77 100
182 80.1 11.0 51.0#
105 86.5 5.6 45.6#
51 37.4 2.7 42.7

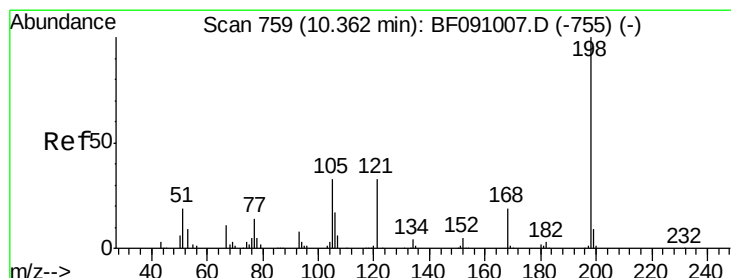
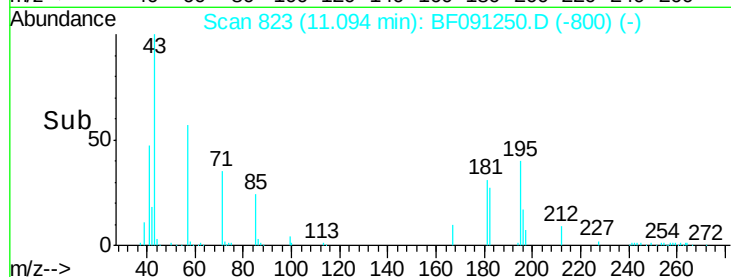
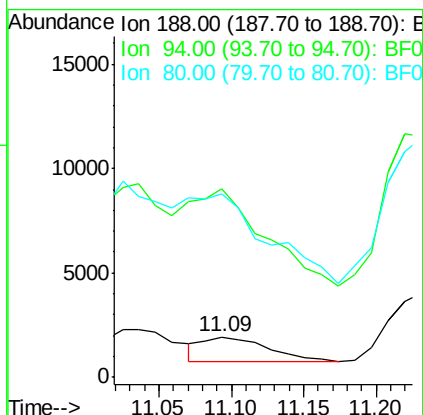
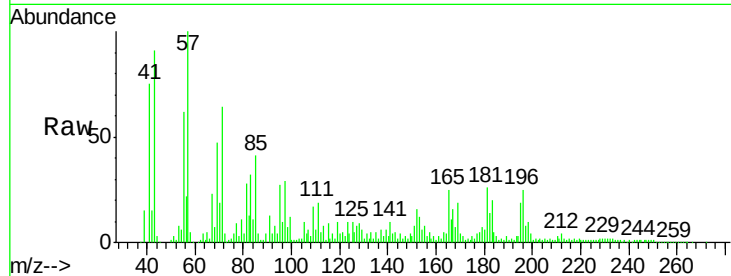




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

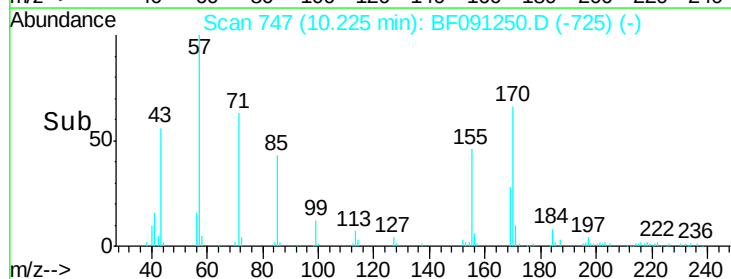
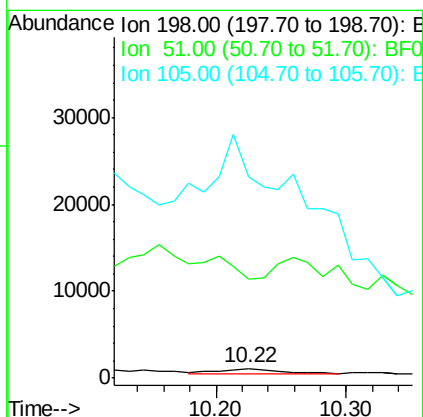
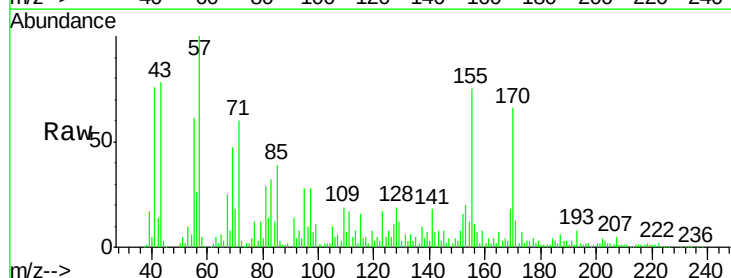
Instrument :
BNA_F
ClientSampleId :
UST-SW2

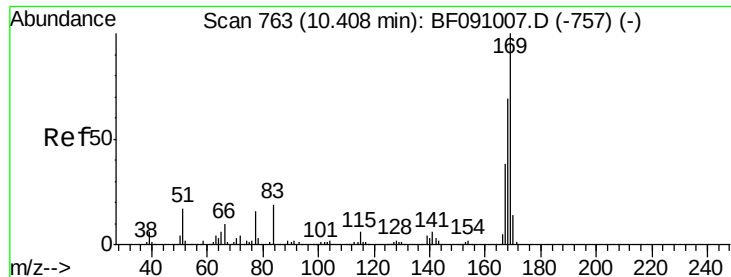
Tgt Ion:188 Resp: 3685
Ion Ratio Lower Upper
188 100
94 465.7 7.0 10.4#
80 453.8 7.5 11.3#



#64
4,6-Dinitro-2-methylphenol
Concen: 69.75 ng
RT: 10.22 min Scan# 747
Delta R.T. -0.05 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

Tgt Ion:198 Resp: 1574
Ion Ratio Lower Upper
198 100
51 1053.4 5.9 45.9#
105 2158.6 13.8 53.8#





#65

n-Nitrosodiphenylamine

Concen: 583.76 ng

RT: 10.25 min Scan# 749

Delta R.T. -0.07 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

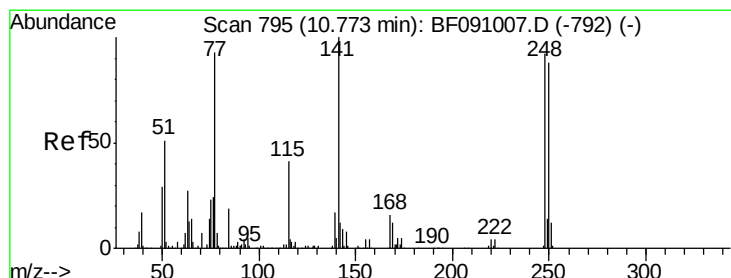
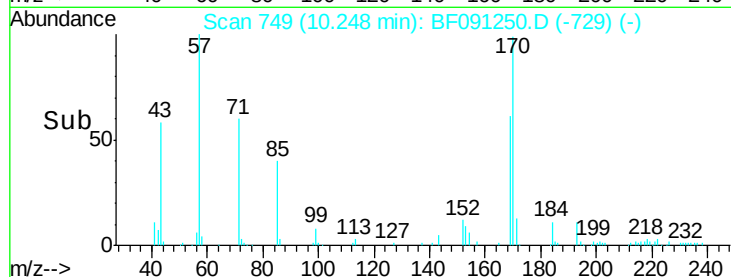
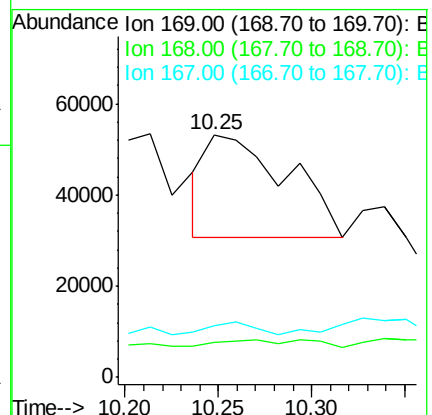
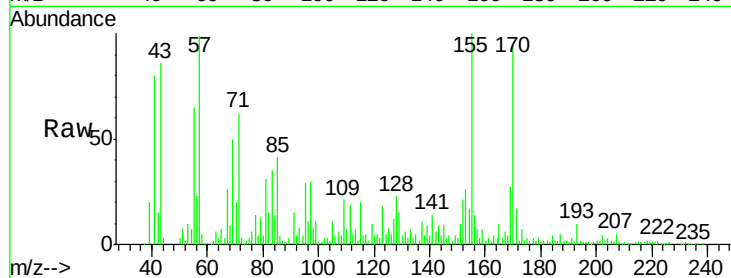
Tgt Ion:169 Resp: 68374

Ion Ratio Lower Upper

169 100

168 14.3 55.3 82.9#

167 21.2 30.3 45.5#



#66

4-Bromophenyl-phenylether

Concen: 91.23 ng

RT: 10.64 min Scan# 783

Delta R.T. -0.05 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

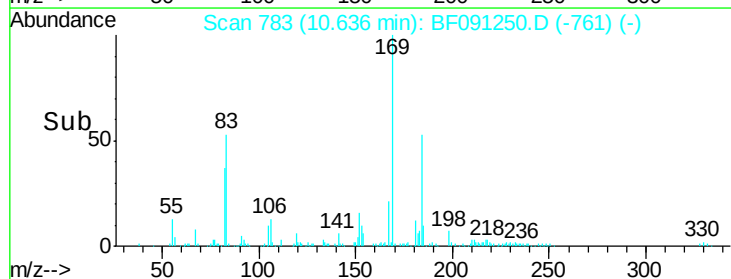
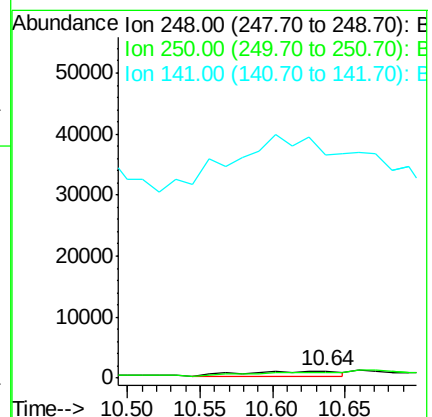
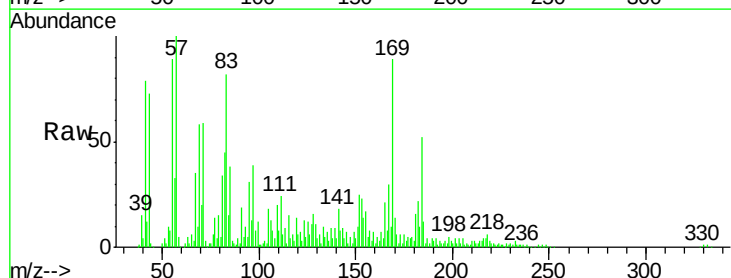
Tgt Ion:248 Resp: 3497

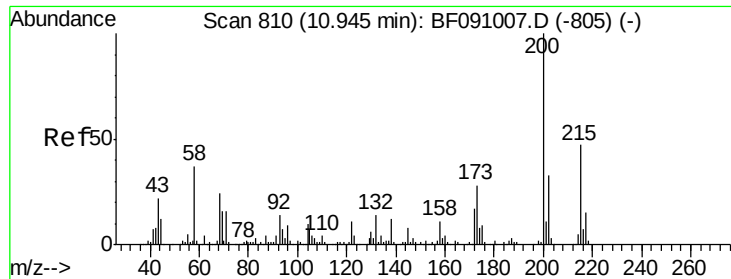
Ion Ratio Lower Upper

248 100

250 76.5 76.3 114.5

141 3179.8 86.8 130.2#





#68

Atrazine

Concen: 373.21 ng

RT: 10.84 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

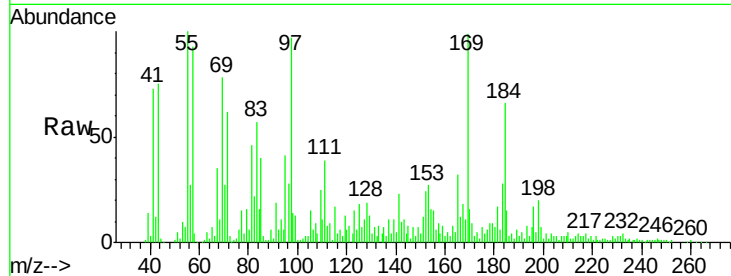
Tgt Ion:200 Resp: 12611

Ion Ratio Lower Upper

200 100

173 221.0 8.1 48.1#

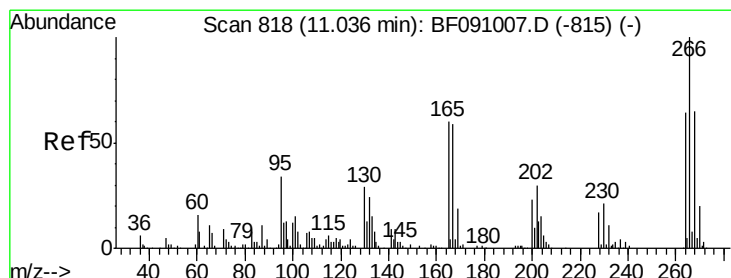
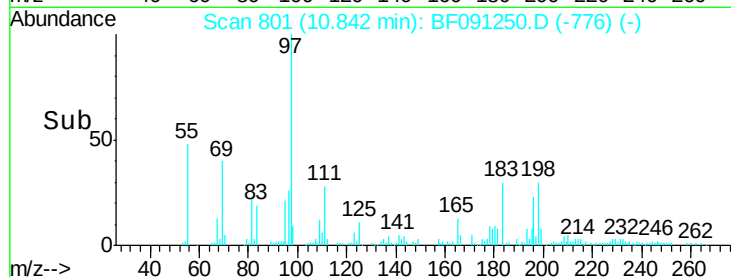
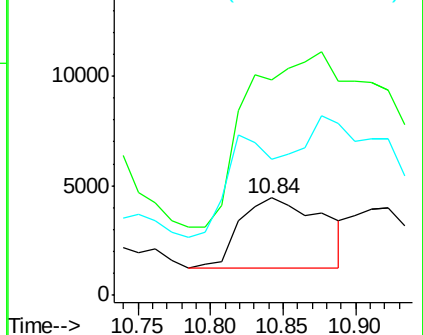
215 139.1 27.3 67.3#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 340.75 ng

RT: 10.97 min Scan# 812

Delta R.T. 0.02 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

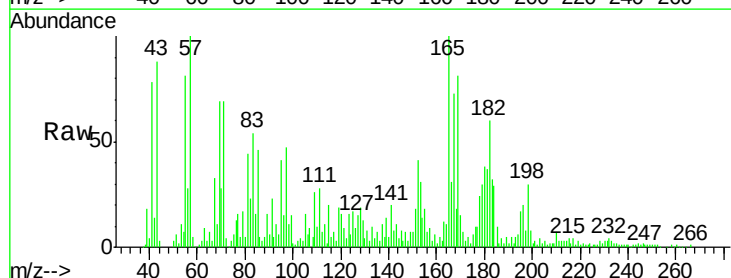
Tgt Ion:266 Resp: 6380

Ion Ratio Lower Upper

266 100

268 0.0 52.1 78.1#

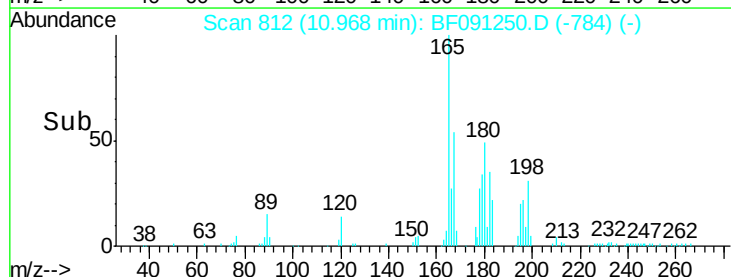
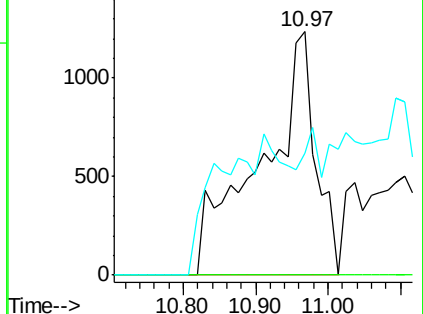
264 50.1 51.1 76.7#

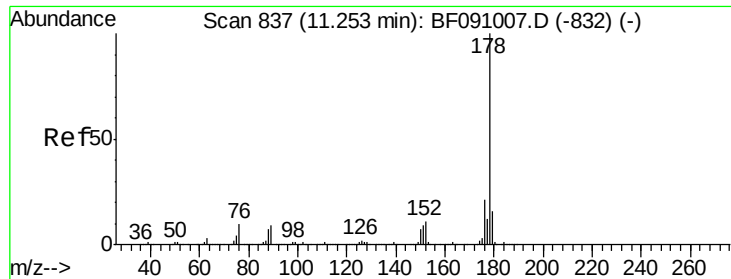


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

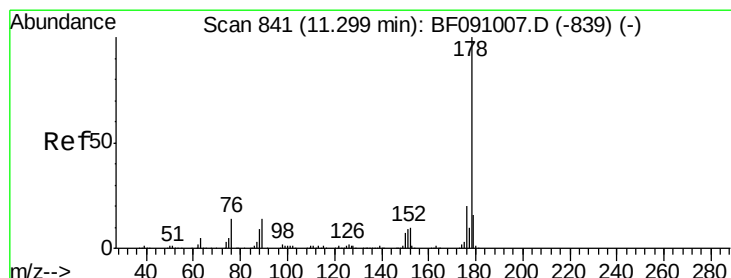
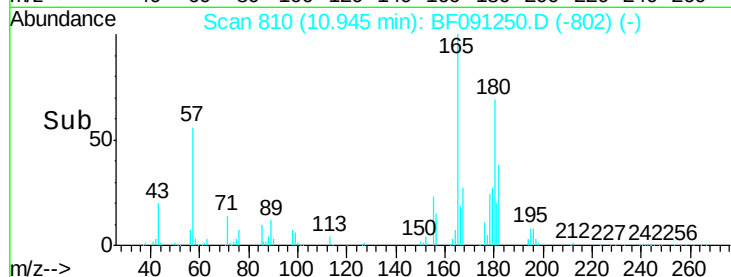
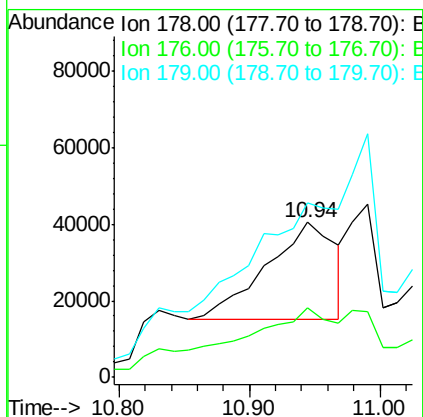
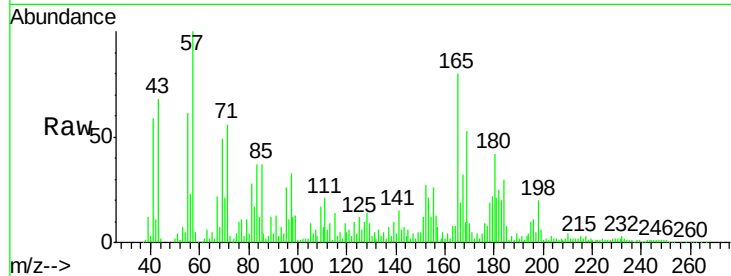




#70
Phenanthrene
Concen: 473.40 ng
RT: 10.94 min Scan# 810
Delta R.T. -0.21 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

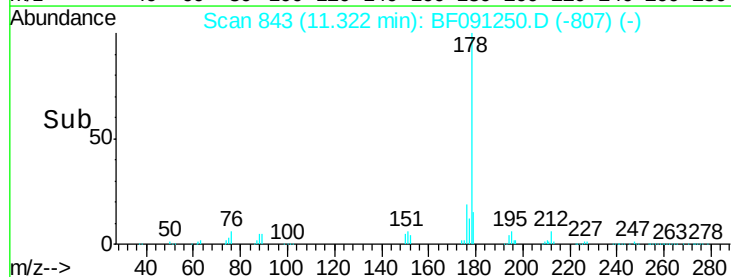
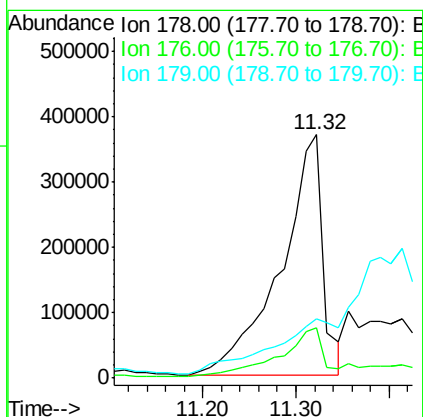
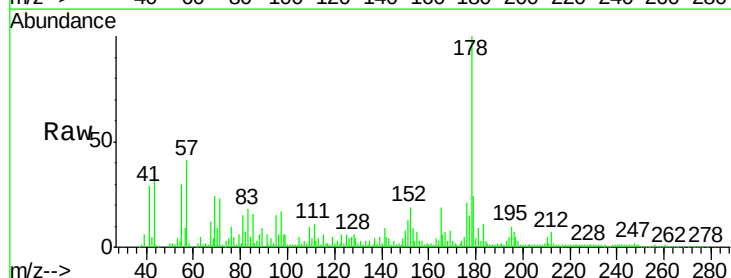
Instrument :
BNA_F
ClientSampleId :
UST-SW2

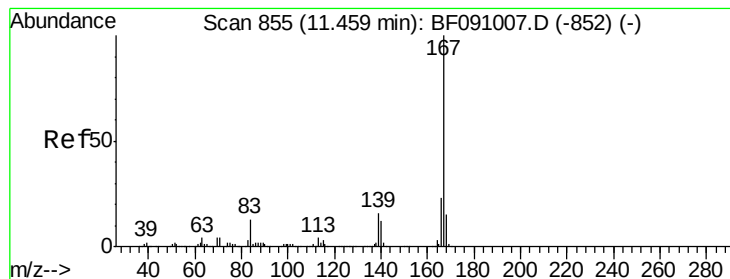
Tgt Ion:178 Resp: 92735
Ion Ratio Lower Upper
178 100
176 44.5 16.6 25.0#
179 112.4 12.9 19.3#



#71
Anthracene
Concen: 5586.02 ng
RT: 11.32 min Scan# 843
Delta R.T. 0.11 min
Lab File: BF091250.D
Acq: 18 Nov 2016 23:09

Tgt Ion:178 Resp: 1163350
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 24.1 13.0 19.6#





#72

Carbazole

Concen: 501.41 ng

RT: 11.33 min Scan# 844

Delta R.T. -0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

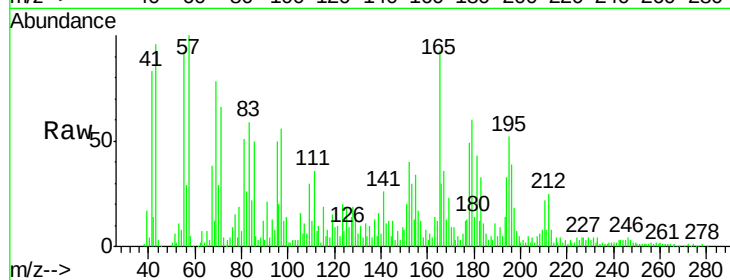
Tgt Ion:167 Resp: 94105

Ion Ratio Lower Upper

167 100

166 82.2 18.0 27.0#

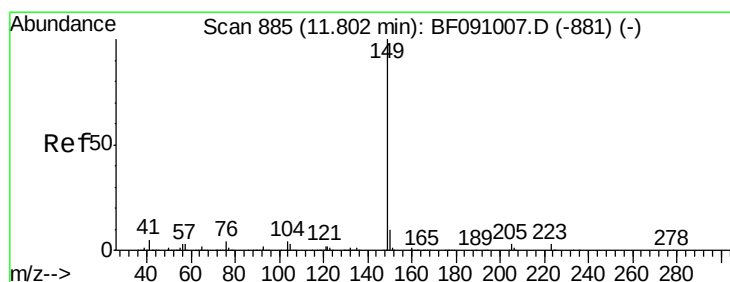
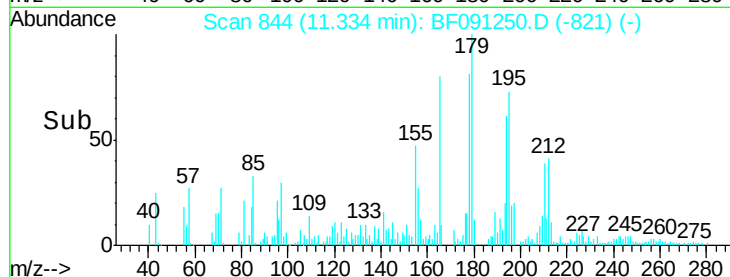
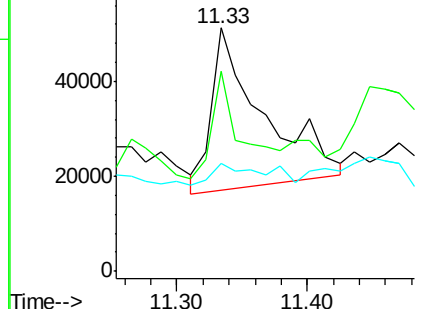
139 44.5 12.6 18.8#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 330.46 ng

RT: 11.64 min Scan# 871

Delta R.T. -0.06 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

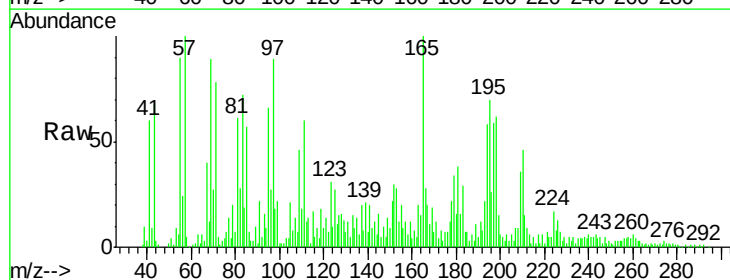
Tgt Ion:149 Resp: 78003

Ion Ratio Lower Upper

149 100

150 66.9 7.7 11.5#

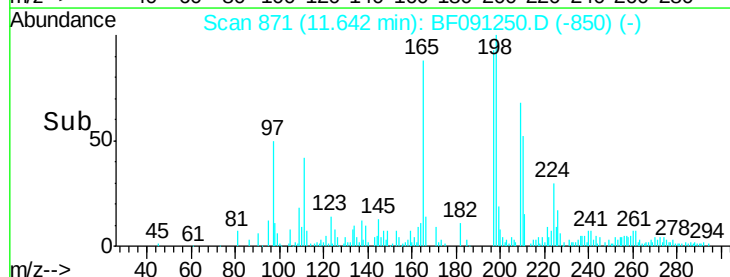
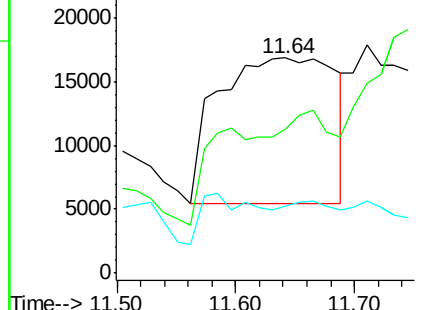
104 31.1 3.6 5.4#

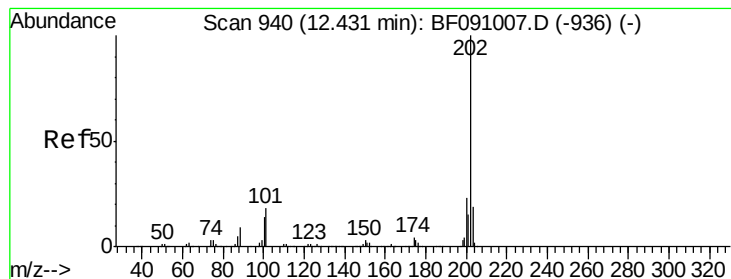


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 315.38 ng

RT: 12.33 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

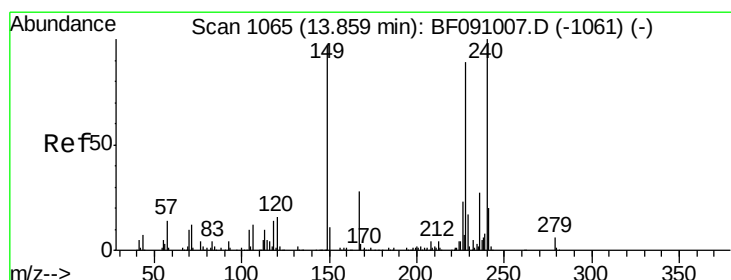
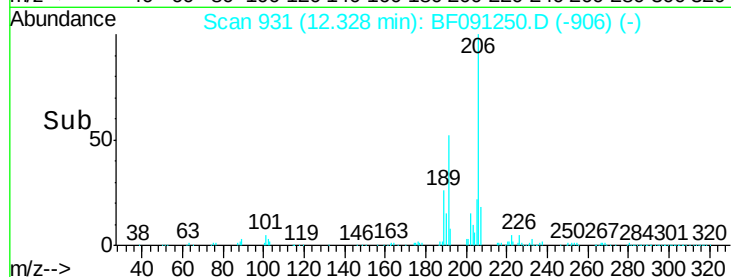
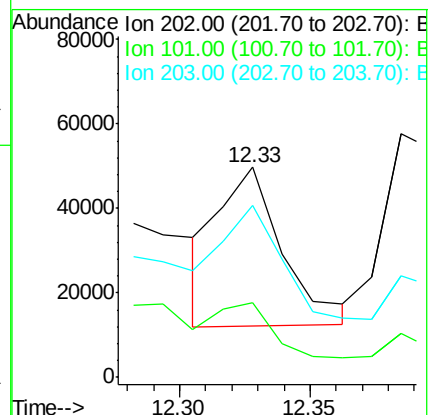
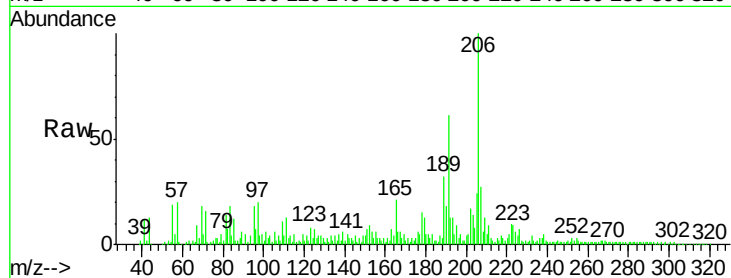
Tgt Ion:202 Resp: 64074

Ion Ratio Lower Upper

202 100

101 35.3 0.0 37.6

203 81.7 0.0 38.6#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

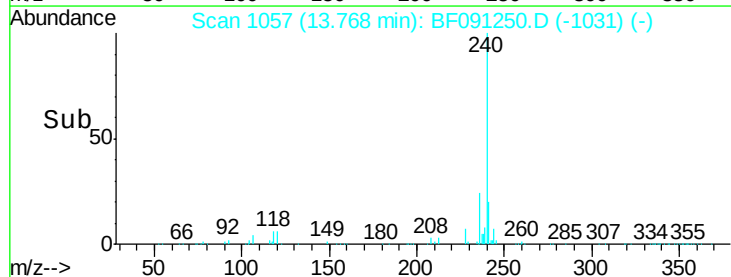
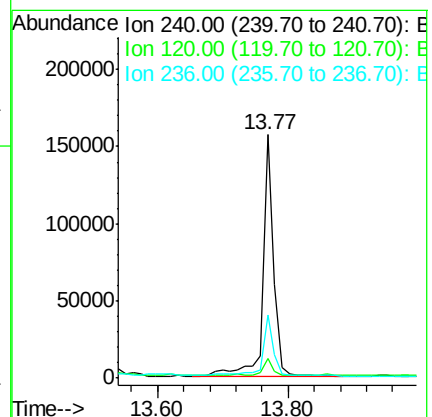
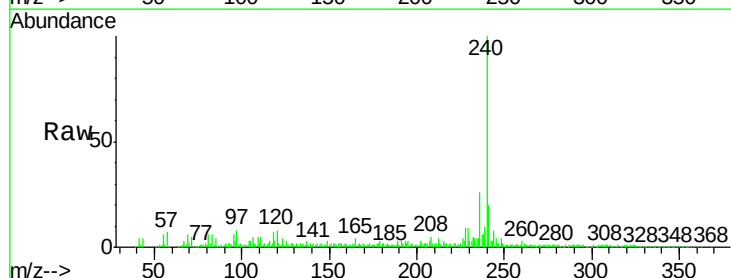
Tgt Ion:240 Resp: 184483

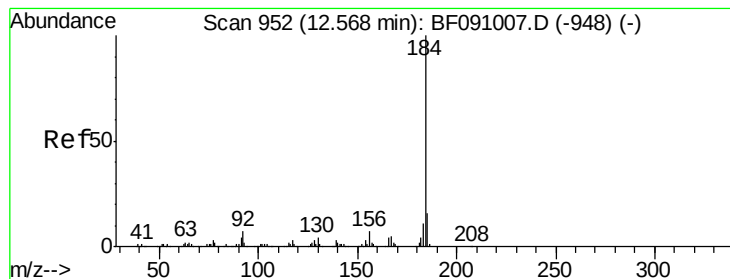
Ion Ratio Lower Upper

240 100

120 7.9 12.9 19.3#

236 25.7 21.9 32.9





#76

Benzidine

Concen: 3.47 ng

RT: 12.43 min Scan# 940

Delta R.T. -0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

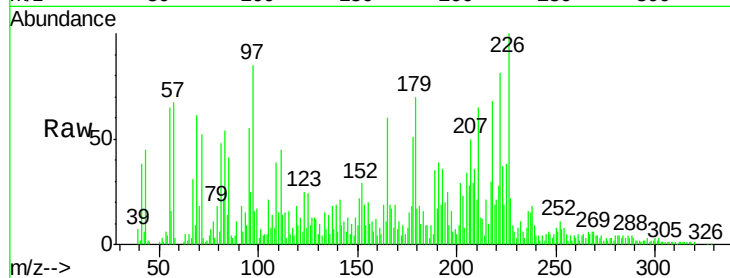
Tgt Ion:184 Resp: 14290

Ion Ratio Lower Upper

184 100

185 96.6 13.0 19.4#

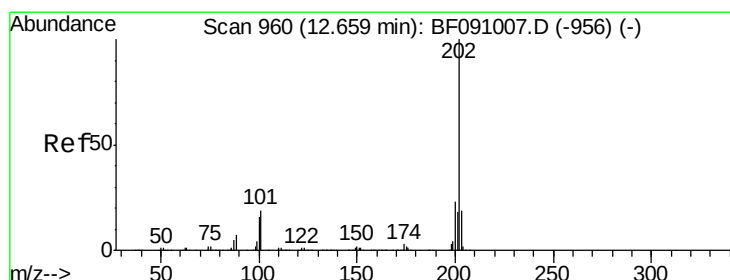
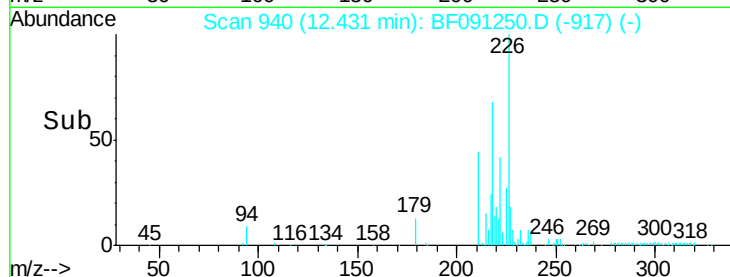
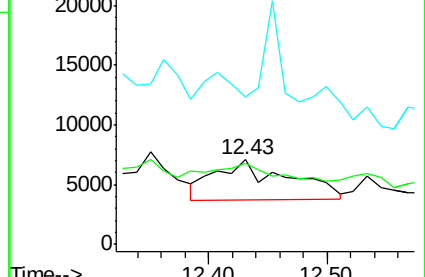
183 174.5 8.7 13.1#



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: 27.13 ng

RT: 12.60 min Scan# 955

Delta R.T. 0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

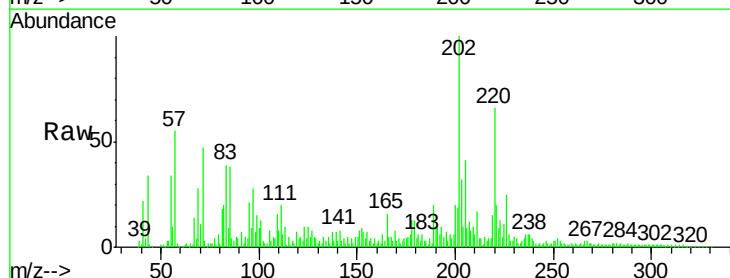
Tgt Ion:202 Resp: 327830

Ion Ratio Lower Upper

202 100

200 19.8 18.4 27.6

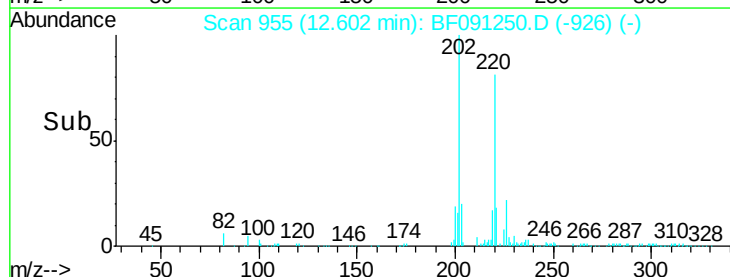
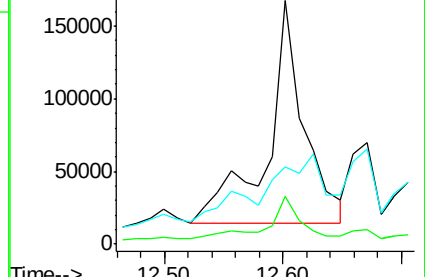
203 31.7 15.0 22.6#

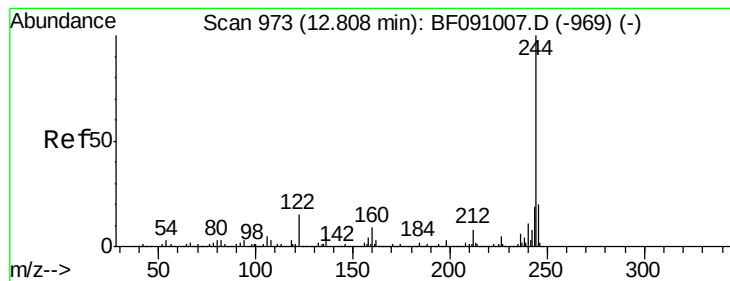


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.64 ng

RT: 12.74 min Scan# 967

Delta R.T. 0.02 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampleId :

UST-SW2

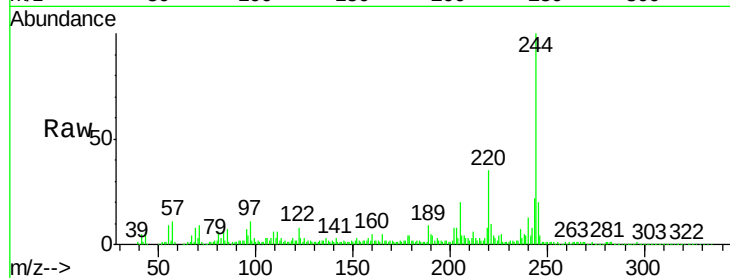
Tgt Ion:244 Resp: 559167

Ion Ratio Lower Upper

244 100

212 6.2 6.4 9.6#

122 8.3 12.3 18.5#



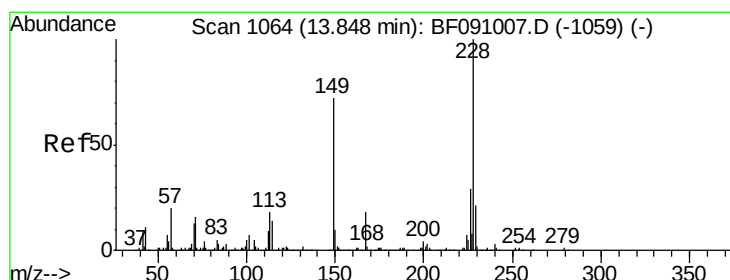
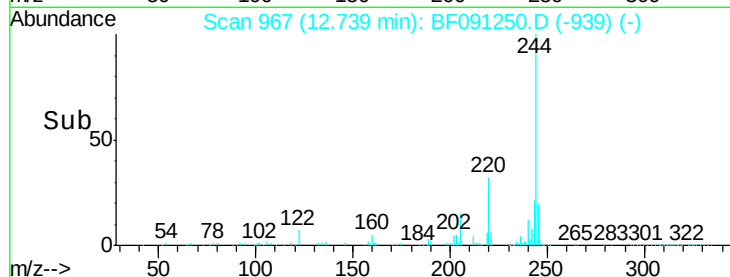
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.74

Time-->



#80

Benzo(a)anthracene

Concen: 3.01 ng

RT: 13.76 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

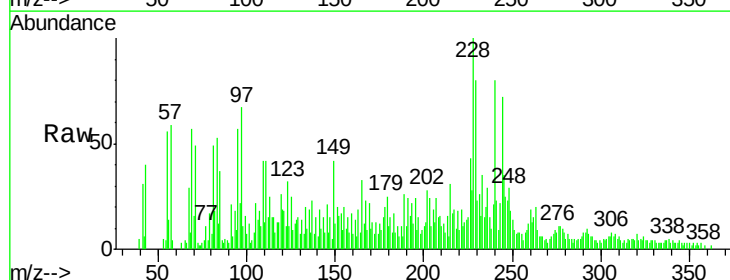
Tgt Ion:228 Resp: 31546

Ion Ratio Lower Upper

228 100

226 42.6 23.0 34.6#

229 79.8 16.6 24.8#



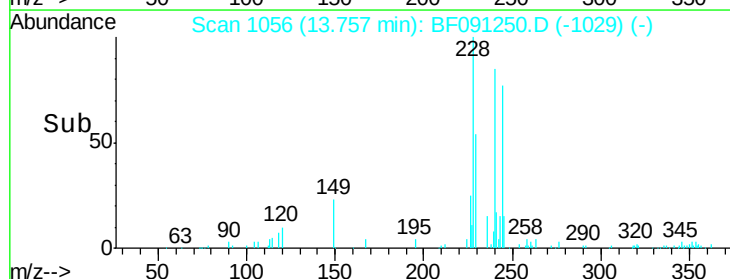
Abundance Ion 228.00 (227.70 to 228.70): E

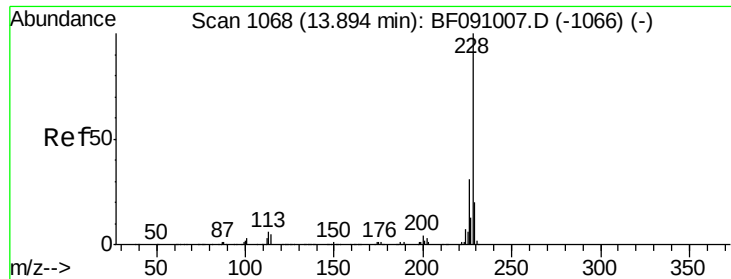
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.76

Time-->





#82

Chrysene

Concen: 3.05 ng

RT: 13.76 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Instrument :

BNA_F

ClientSampled :

UST-SW2

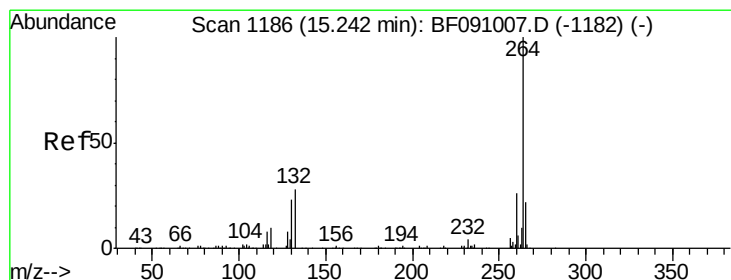
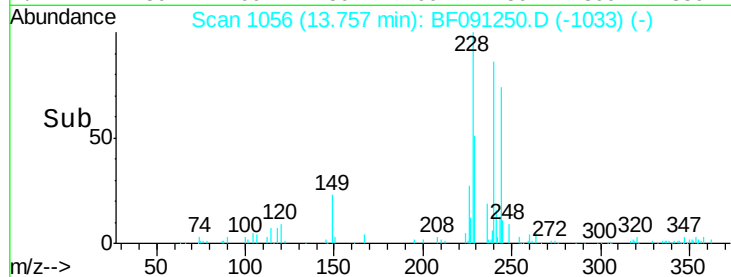
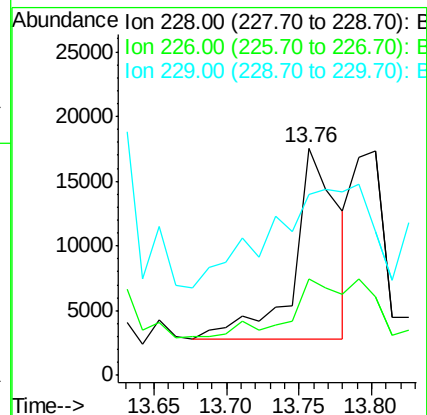
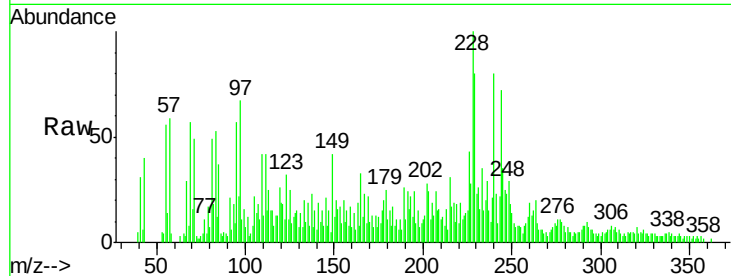
Tgt Ion:228 Resp: 31546

Ion Ratio Lower Upper

228 100

226 42.6 24.9 37.3#

229 79.8 15.9 23.9#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF091250.D

Acq: 18 Nov 2016 23:09

Tgt Ion:264 Resp: 202302

Ion Ratio Lower Upper

264 100

260 23.2 20.6 30.8

265 22.1 17.8 26.8

