

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111116\
 Data File : BF091155.D
 Acq On : 11 Nov 2016 22:08
 Operator : UM/SJ
 Sample : H5609-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Nov 11 23:59:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	180666	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	591422	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	385708	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	548018	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	368725	20.00	ng	-0.02
86) Perylene-d12	15.16	264	357687	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	626266	57.25	ng	-0.01
7) Phenol-d6	6.32	99	505761	34.06	ng	0.00
23) Nitrobenzene-d5	7.22	82	980672	90.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	416973	119.58	ng	-0.01
44) 2-Fluorobiphenyl	9.01	172	1647750	73.55	ng	-0.02
78) Terphenyl-d14	12.75	244	1331576	90.12	ng	-0.01

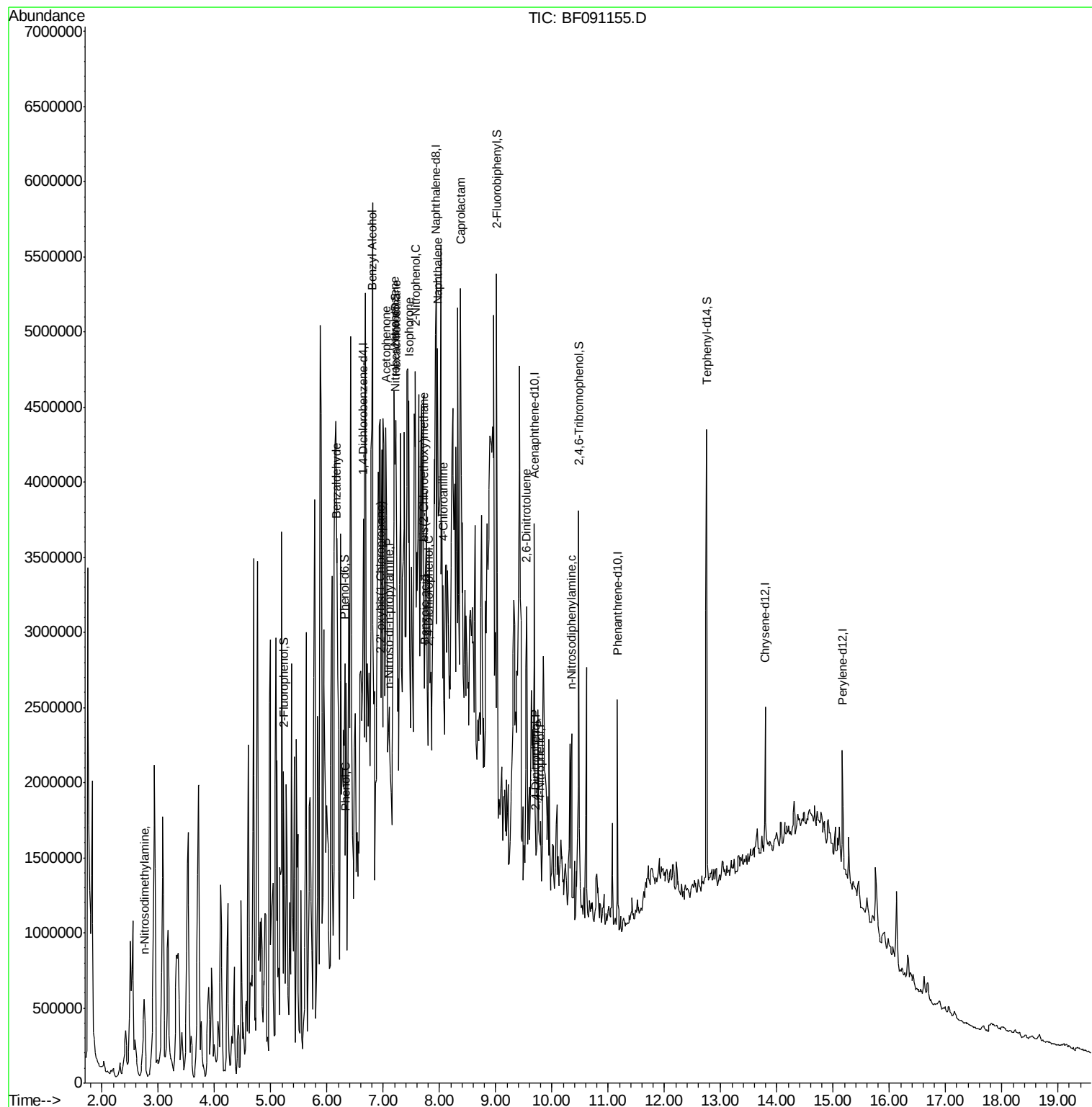
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.75	42	60438	10.44	ng	# 1
9) Benzaldehyde	6.17	77	28453	3.45	ng	# 14
10) Phenol	6.33	94	52575	3.20	ng	# 81
15) Benzyl Alcohol	6.81	79	42080	4.02	ng	# 62
16) 2,2'-oxybis(1-Chloropropan	6.96	45	44188	2.23	ng	# 1
18) Hexachloroethane	7.23	117	591373	107.91	ng	# 14
19) n-Nitroso-di-n-propylamine	7.09	70	129957	12.63	ng	# 61
22) Acetophenone	7.05	105	70565	5.18	ng	# 1
24) Nitrobenzene	7.20	77	115047	9.61	ng	# 34
25) Isophorone	7.46	82	152281	7.29	ng	# 1
26) 2-Nitrophenol	7.57	139	18370	3.63	ng	# 1
28) bis(2-Chloroethoxy)methane	7.72	93	38751	3.40	ng	# 1
29) 2,4-Dichlorophenol	7.80	162	31233	4.27	ng	# 46
31) Naphthalene	7.96	128	100785	3.56	ng	# 1
32) Benzoic acid	7.73	122	21000	7.95	ng	# 32
33) 4-Chloroaniline	8.06	127	29379	2.50	ng	# 80
35) Caprolactam	8.37	113	106125	46.19	ng	# 8
50) 2,6-Dinitrotoluene	9.55	165	48658	8.98	ng	91
53) 2,4-Dinitrophenol	9.71	184	1828	6.83	ng	# 1
55) 4-Nitrophenol	9.79	139	6074	7.05	ng	# 11
65) n-Nitrosodiphenylamine	10.35	169	57985	3.33	ng	# 48

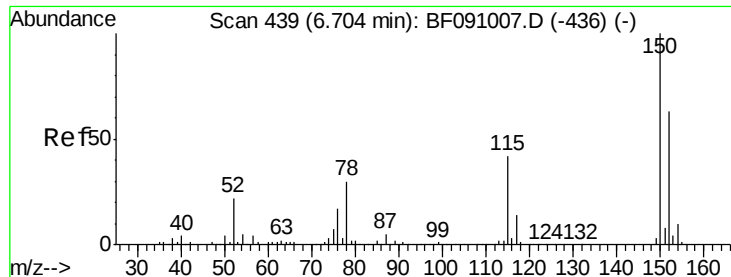
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

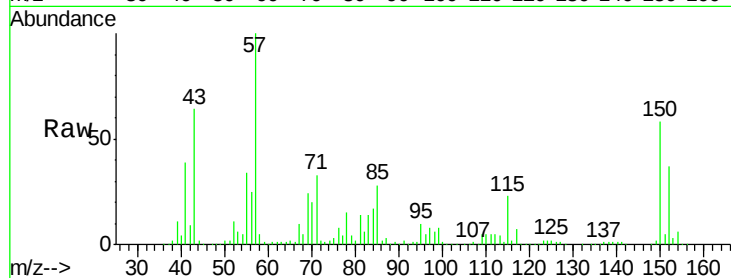
Tgt Ion:152 Resp: 180666

Ion Ratio Lower Upper

152 100

150 155.8 126.8 190.2

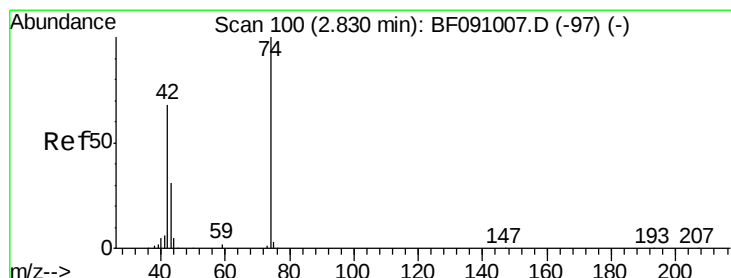
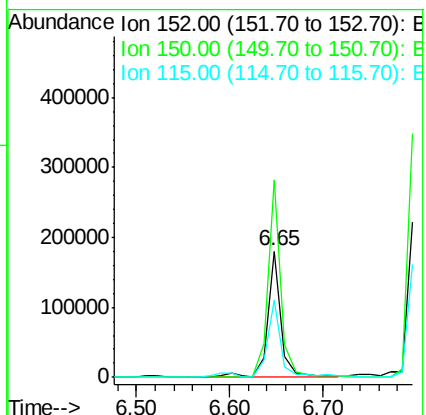
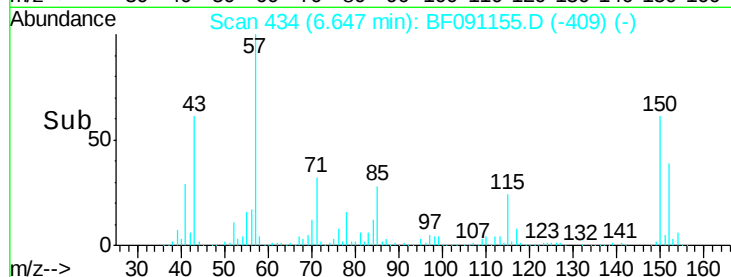
115 60.6 53.3 79.9



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



#4

n-Nitrosodimethylamine

Concen: 10.44 ng

RT: 2.75 min Scan# 93

Delta R.T. 0.00 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

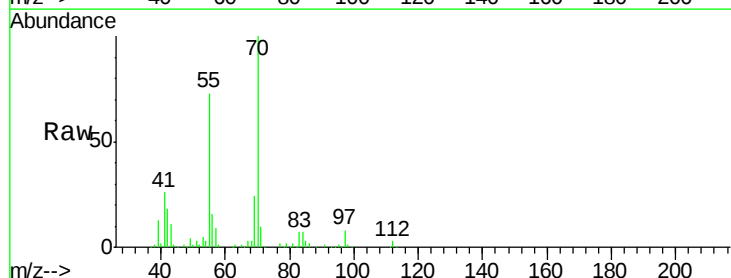
Tgt Ion: 42 Resp: 60438

Ion Ratio Lower Upper

42 100

74 0.0 117.3 175.9#

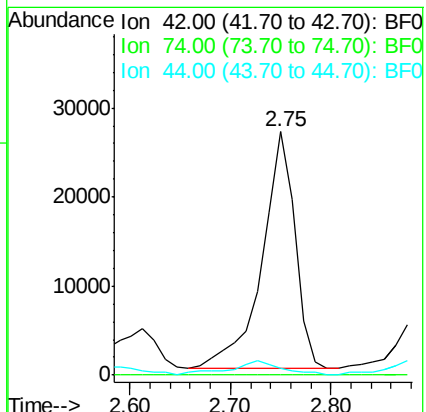
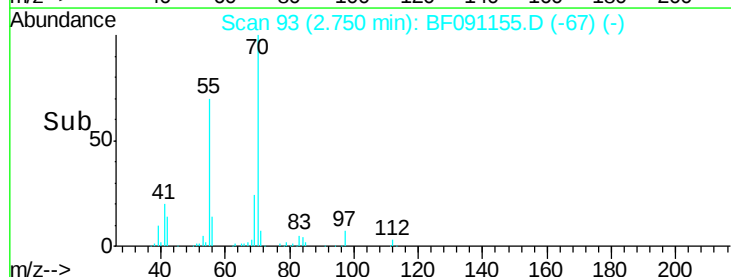
44 2.8 5.8 8.8#

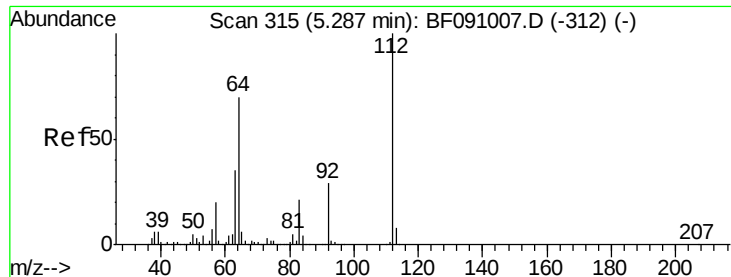


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 57.25 ng

RT: 5.23 min Scan# 310

Delta R.T. -0.01 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

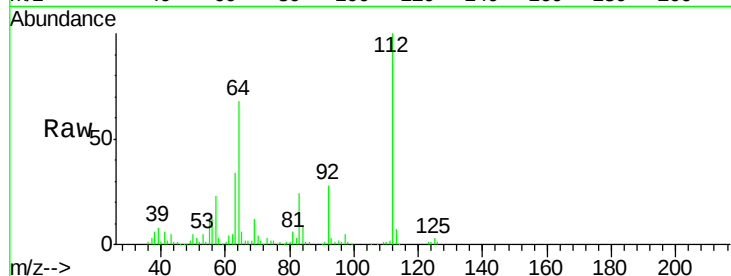
Tgt Ion: 112 Resp: 626266

Ion Ratio Lower Upper

112 100

64 67.6 55.8 83.6

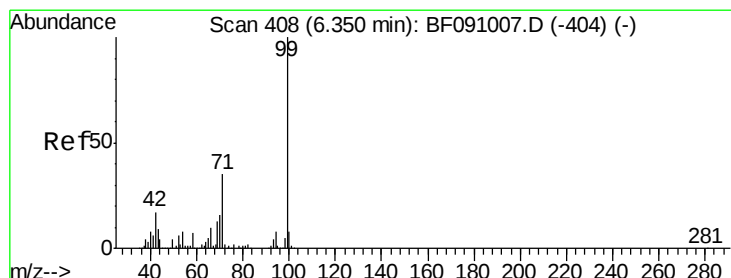
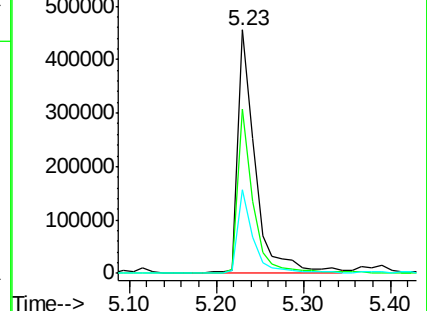
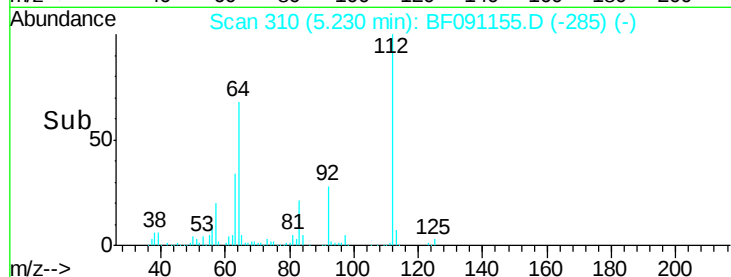
63 34.3 28.0 42.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 34.06 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

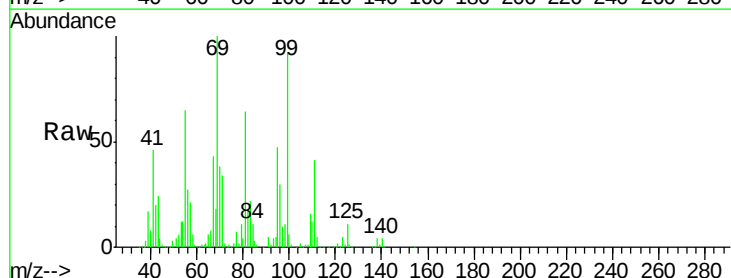
Tgt Ion: 99 Resp: 505761

Ion Ratio Lower Upper

99 100

42 22.1 13.9 20.9#

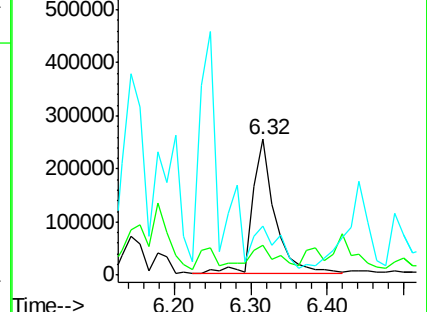
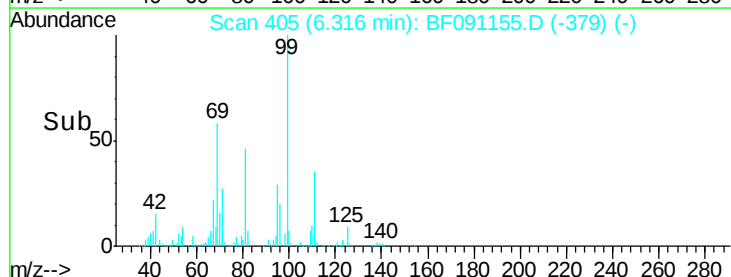
71 36.5 27.8 41.8

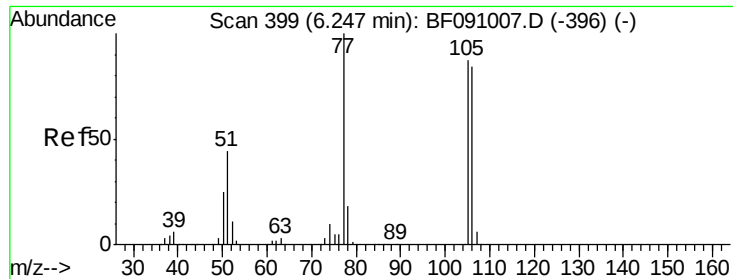


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.45 ng

RT: 6.17 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

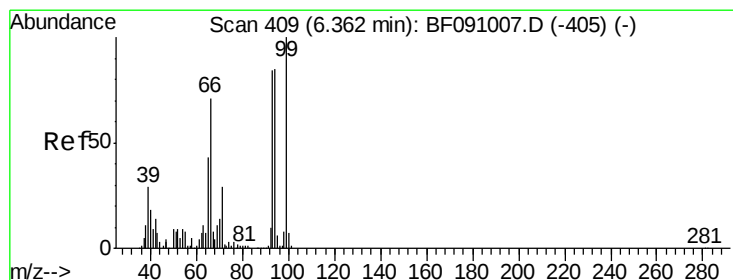
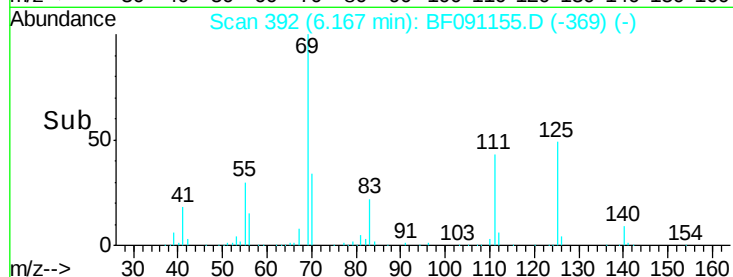
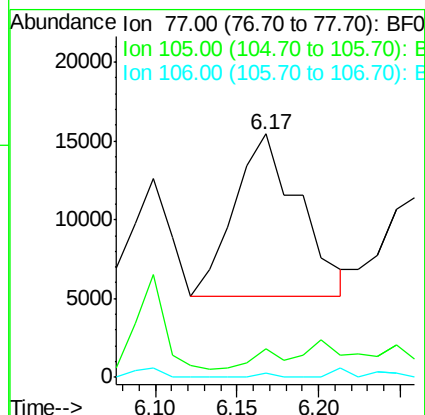
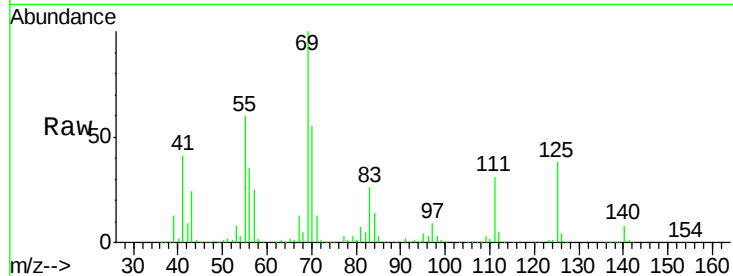
Tgt Ion: 77 Resp: 28453

Ion Ratio Lower Upper

77 100

105 11.8 66.8 106.8#

106 2.0 64.0 104.0#



#10

Phenol

Concen: 3.20 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

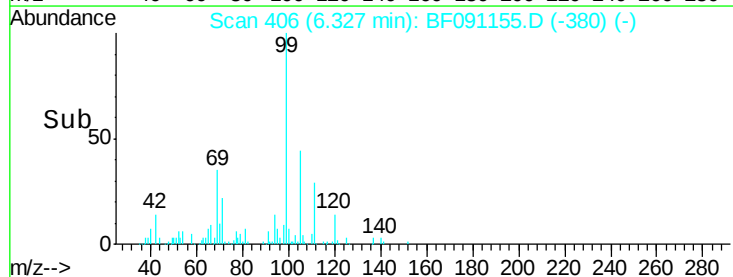
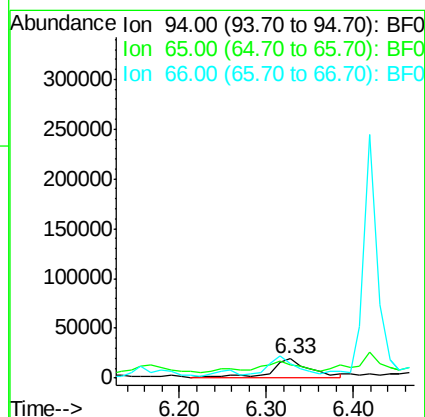
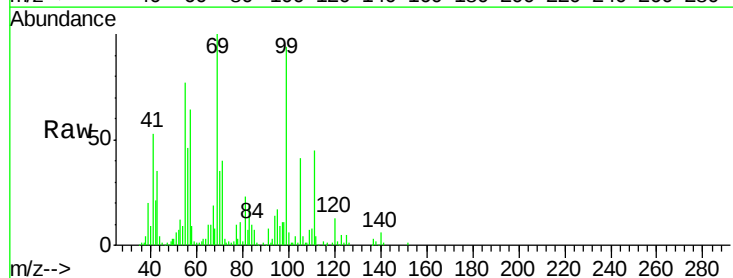
Tgt Ion: 94 Resp: 52575

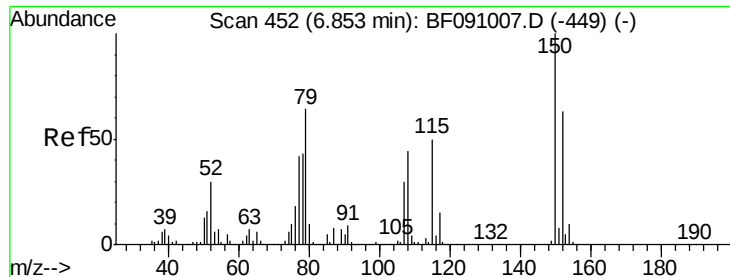
Ion Ratio Lower Upper

94 100

65 71.5 30.4 70.4#

66 72.5 62.9 102.9





#15

Benzyl Alcohol

Concen: 4.02 ng

RT: 6.81 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampled :

MW-3

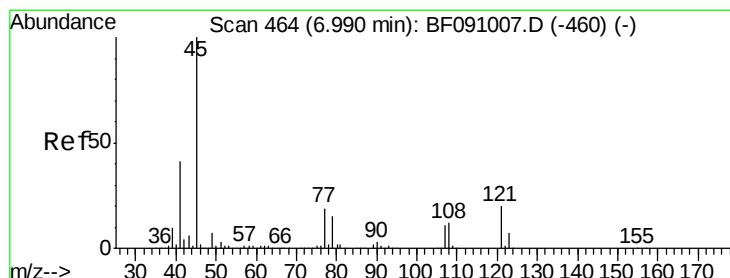
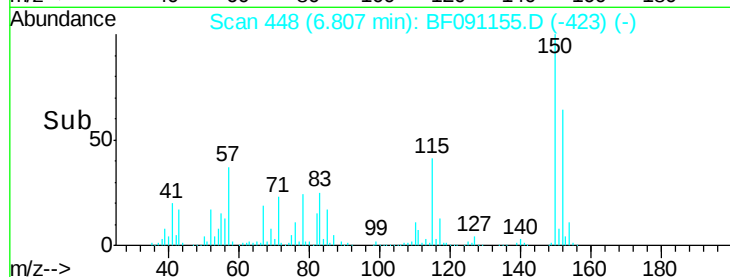
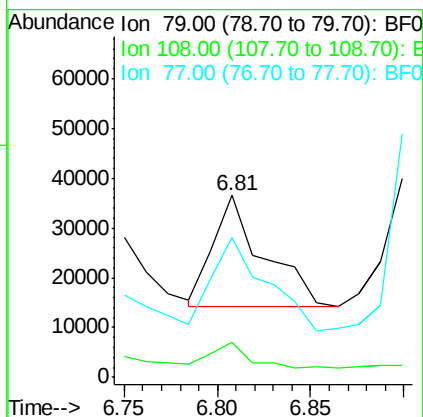
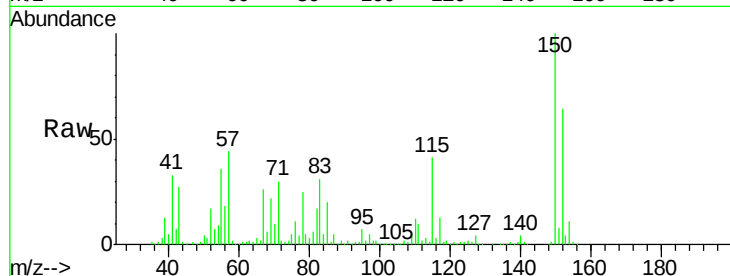
Tgt Ion: 79 Resp: 42080

Ion Ratio Lower Upper

79 100

108 19.5 55.7 83.5#

77 77.1 52.6 79.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.23 ng

RT: 6.96 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

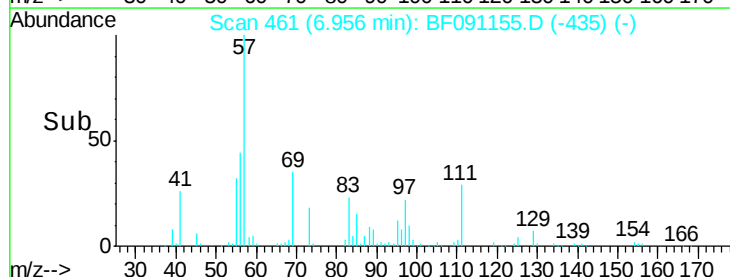
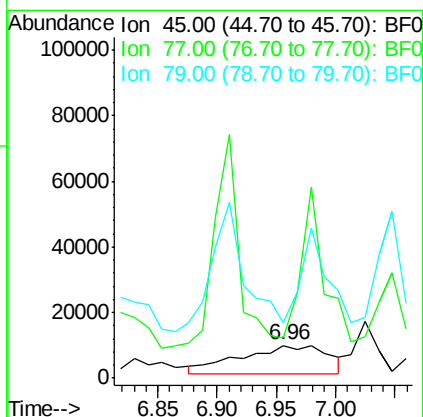
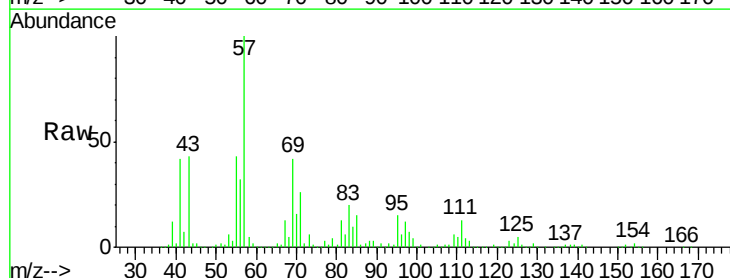
Tgt Ion: 45 Resp: 44188

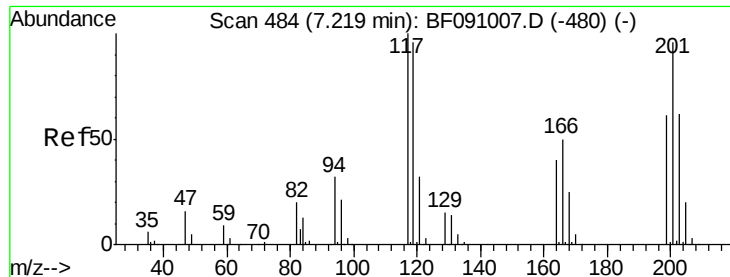
Ion Ratio Lower Upper

45 100

77 119.8 0.0 39.6#

79 169.9 0.0 35.9#

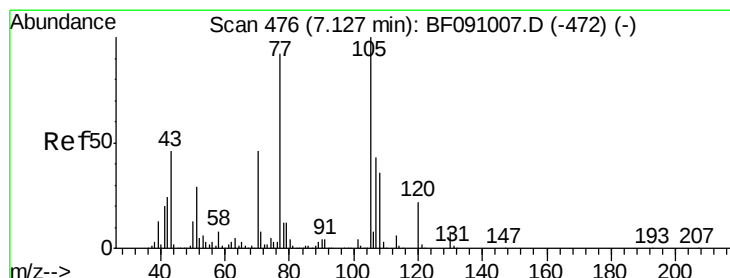
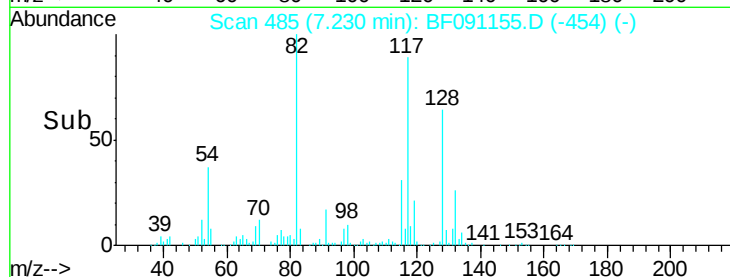
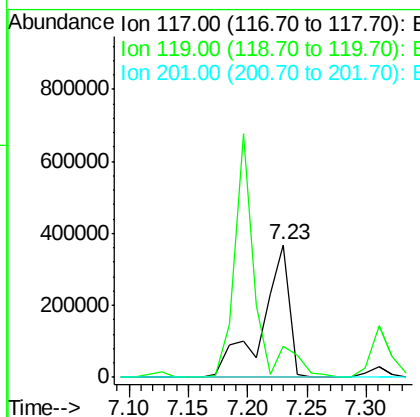
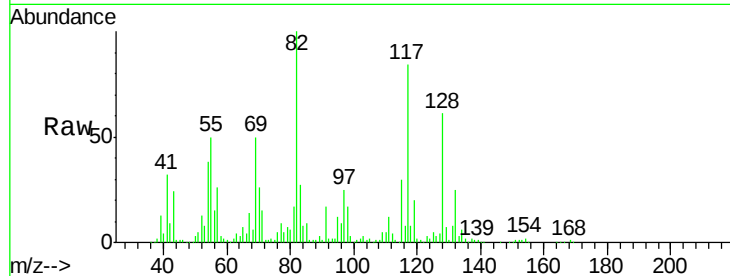




#18
Hexachloroethane
Concen: 107.91 ng
RT: 7.23 min Scan# 485
Delta R.T. 0.06 min
Lab File: BF091155.D
Acq: 11 Nov 2016 22:08

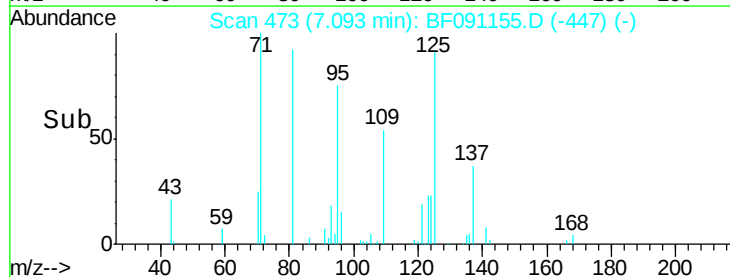
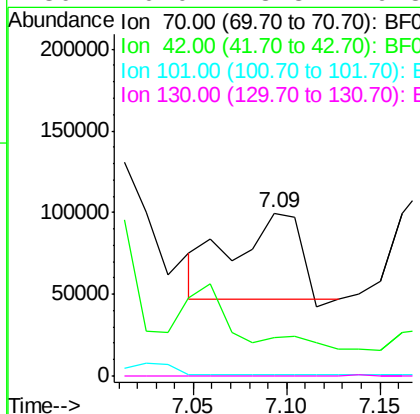
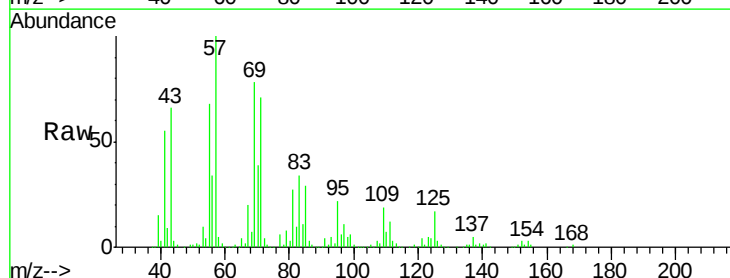
Instrument :
BNA_F
ClientSampled :
MW-3

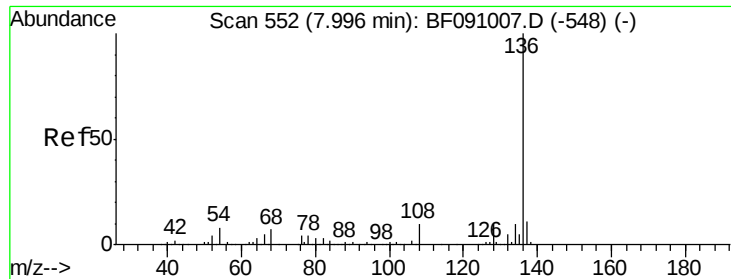
Tgt Ion:117 Resp: 591373
Ion Ratio Lower Upper
117 100
119 23.9 76.6 115.0#
201 0.0 77.1 115.7#



#19
n-Nitroso-di-n-propylamine
Concen: 12.63 ng
RT: 7.09 min Scan# 473
Delta R.T. 0.00 min
Lab File: BF091155.D
Acq: 11 Nov 2016 22:08

Tgt Ion: 70 Resp: 129957
Ion Ratio Lower Upper
70 100
42 23.3 41.7 62.5#
101 0.7 6.7 10.1#
130 0.0 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 547

Delta R.T. -0.01 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

Tgt Ion:136 Resp: 591422

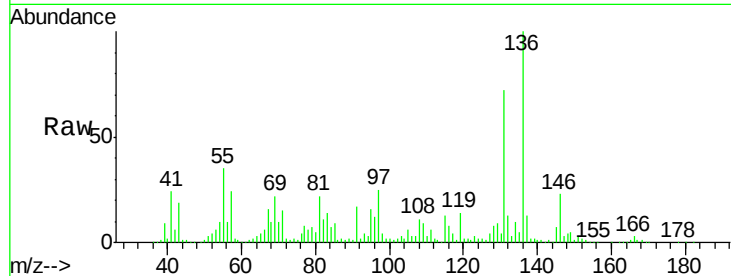
Ion Ratio Lower Upper

136 100

137 12.7 8.9 13.3

54 9.8 6.2 9.2#

68 10.4 5.5 8.3#

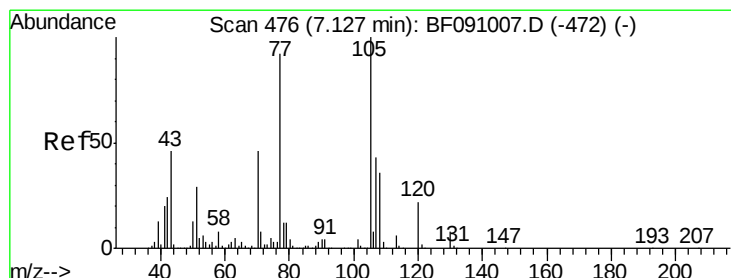
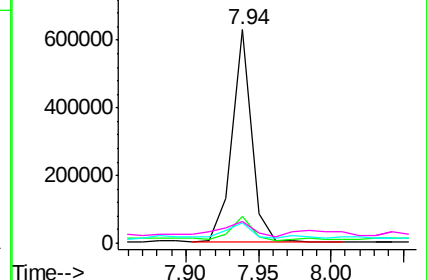
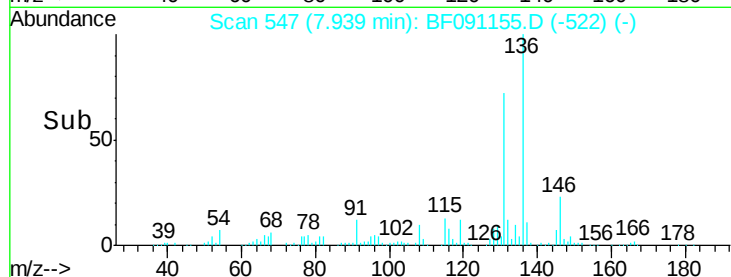


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 5.18 ng

RT: 7.05 min Scan# 469

Delta R.T. -0.03 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Tgt Ion:105 Resp: 70565

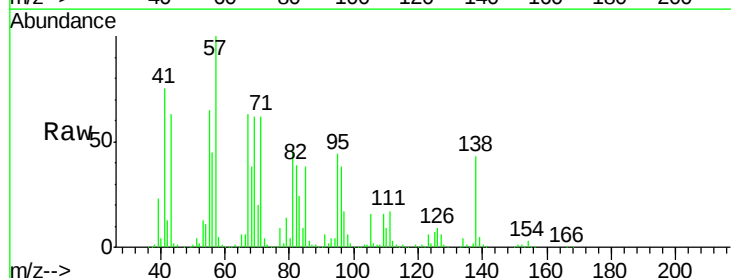
Ion Ratio Lower Upper

105 100

71 385.8 6.2 9.2#

51 22.7 23.3 34.9#

120 0.6 17.4 26.0#

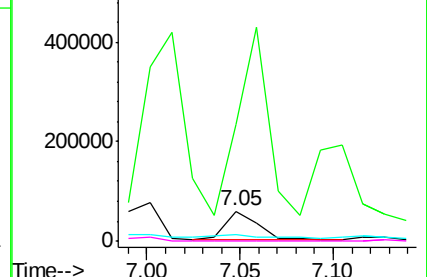
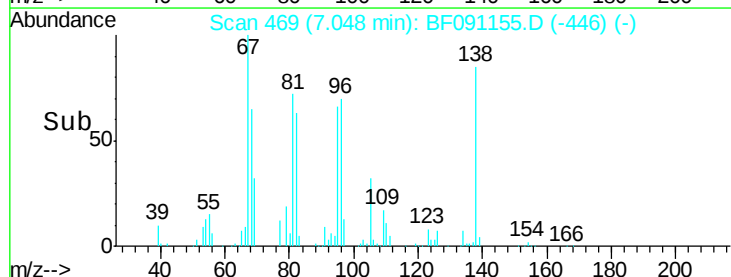


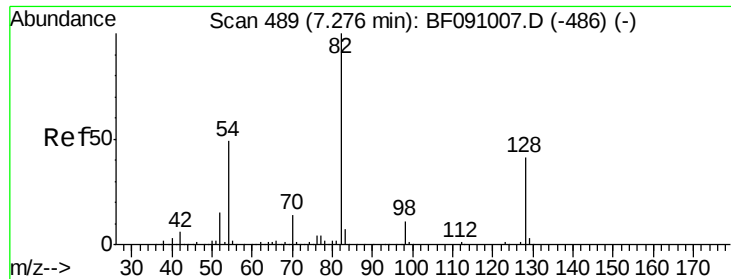
Abundance Ion 105.00 (104.70 to 105.70): E

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

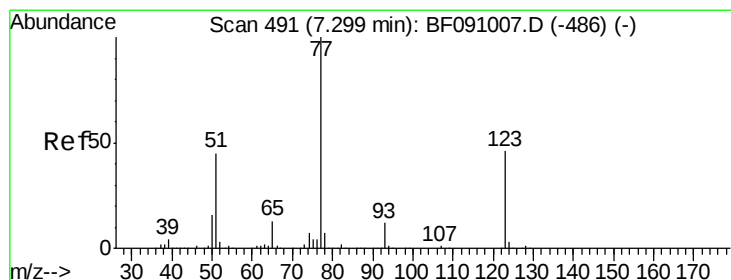
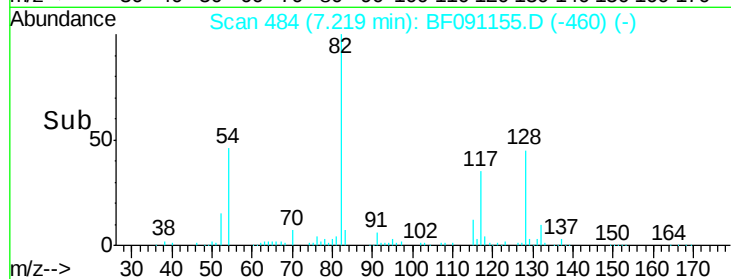
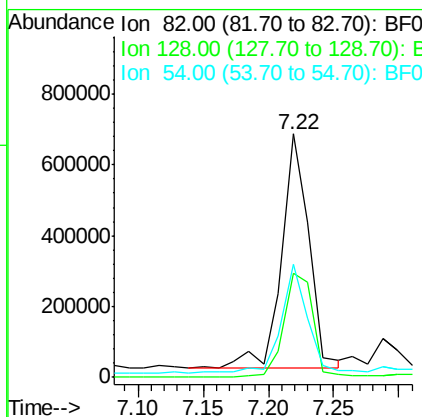
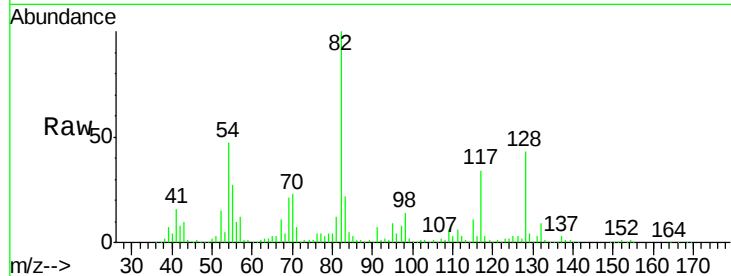




#23
 Nitrobenzene-d5
 Concen: 90.45 ng
 RT: 7.22 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF091155.D
 Acq: 11 Nov 2016 22:08

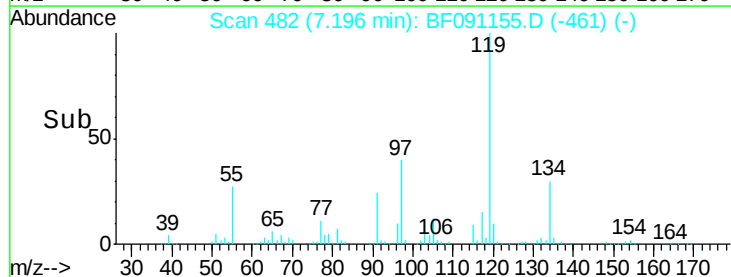
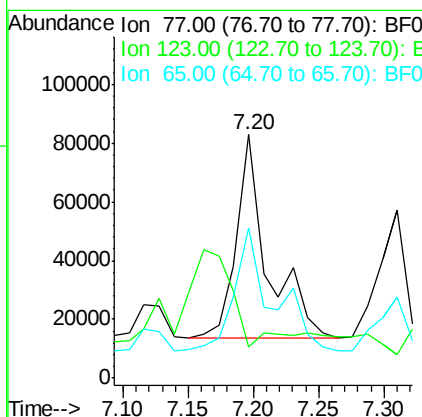
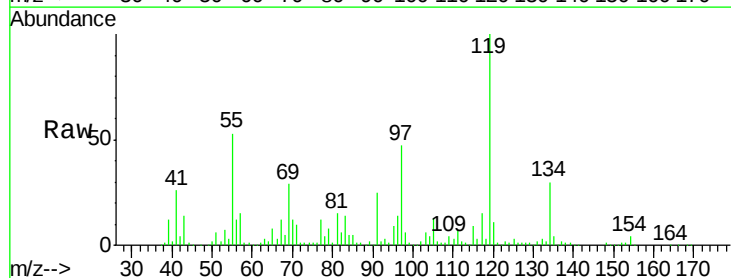
Instrument :
 BNA_F
 ClientSampleId :
 MW-3

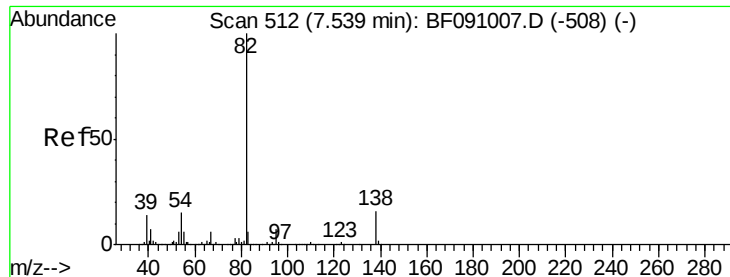
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.7	32.4	48.6
54	46.6	39.2	58.8



#24
 Nitrobenzene
 Concen: 9.61 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.06 min
 Lab File: BF091155.D
 Acq: 11 Nov 2016 22:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	12.9	36.5	54.7#
65	61.6	10.7	16.1#





#25

Isophorone

Concen: 7.29 ng

RT: 7.46 min Scan# 505

Delta R.T. -0.03 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

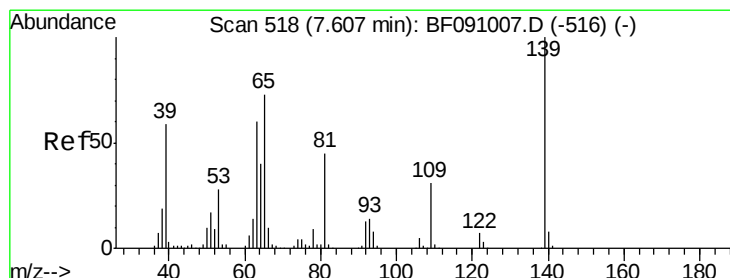
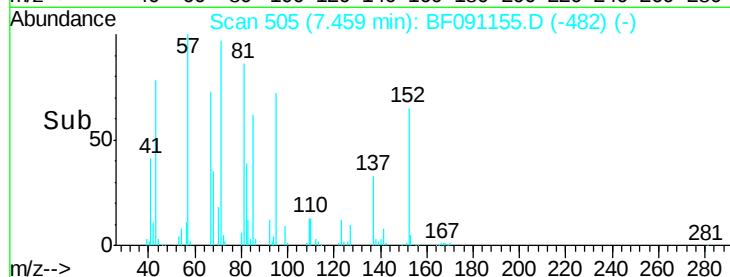
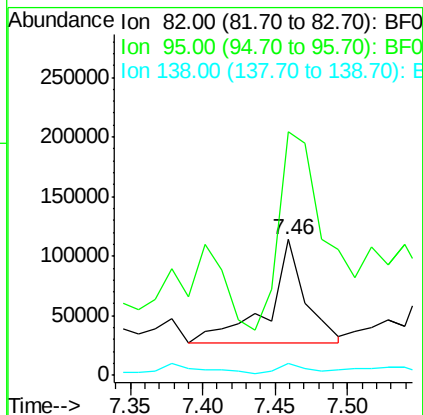
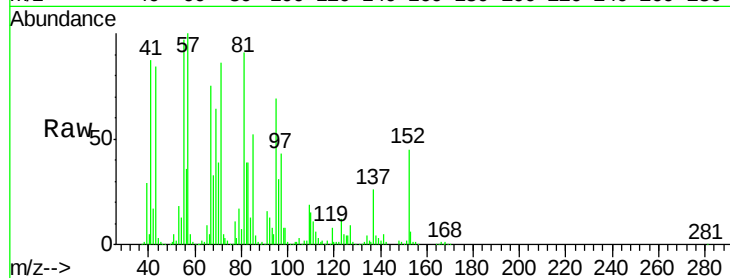
Tgt Ion: 82 Resp: 152281

Ion Ratio Lower Upper

82 100

95 179.6 5.4 8.0#

138 9.2 13.0 19.4#



#26

2-Nitrophenol

Concen: 3.63 ng

RT: 7.57 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

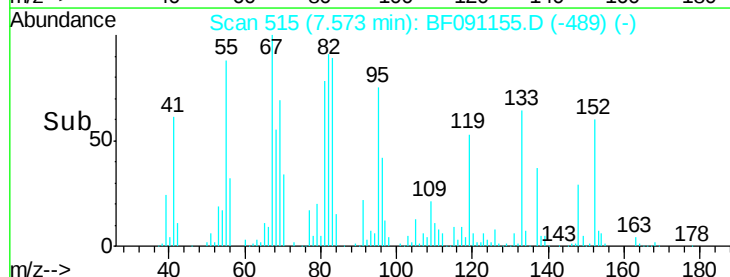
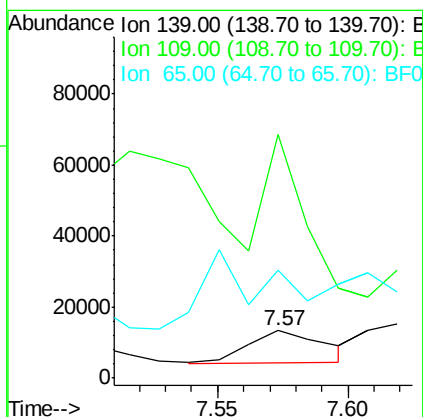
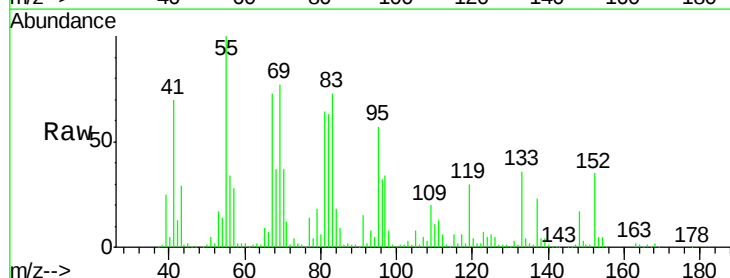
Tgt Ion: 139 Resp: 18370

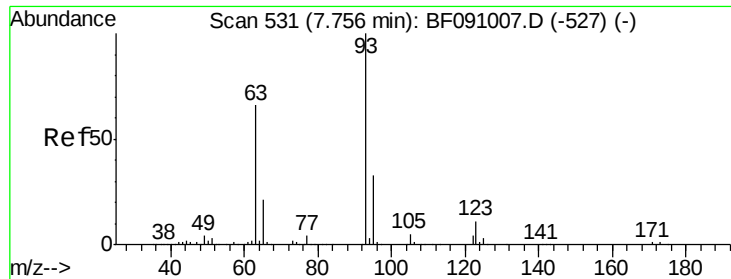
Ion Ratio Lower Upper

139 100

109 510.2 24.7 37.1#

65 225.1 58.3 87.5#

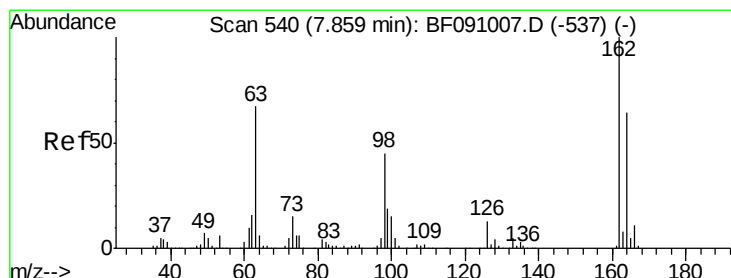
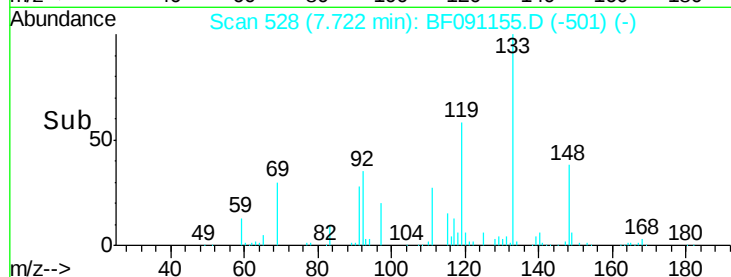
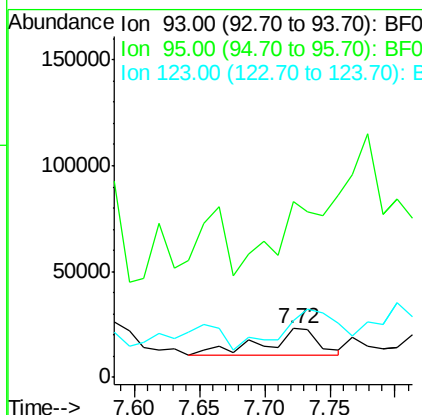
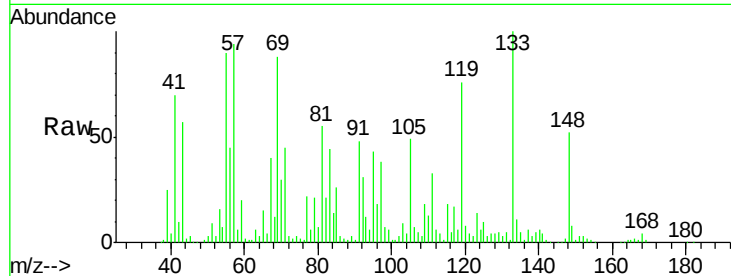




#28
bis(2-Chloroethoxy)methane
Concen: 3.40 ng
RT: 7.72 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF091155.D
Acq: 11 Nov 2016 22:08

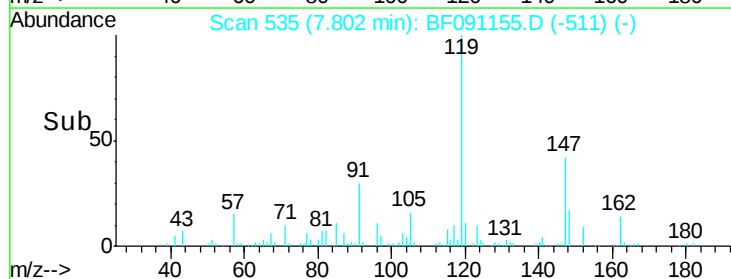
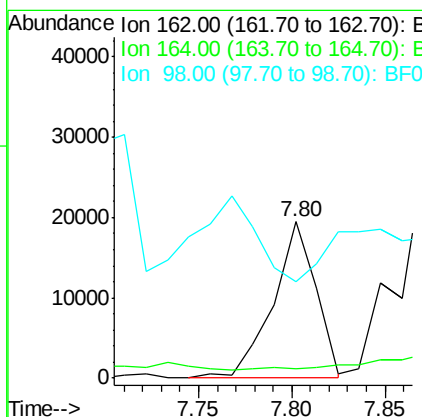
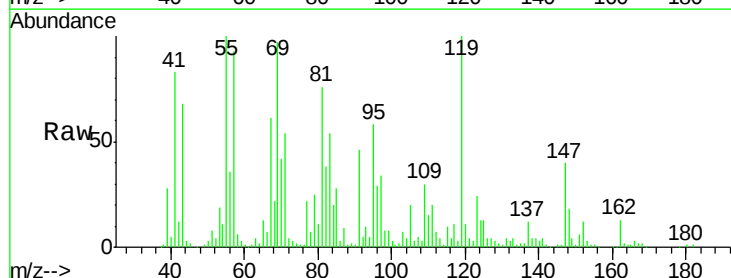
Instrument :
BNA_F
ClientSampleId :
MW-3

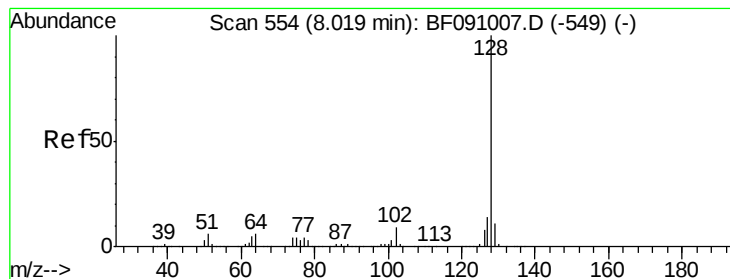
Tgt Ion: 93 Resp: 38751
Ion Ratio Lower Upper
93 100
95 359.3 26.3 39.5#
123 117.1 8.7 13.1#



#29
2,4-Dichlorophenol
Concen: 4.27 ng
RT: 7.80 min Scan# 535
Delta R.T. -0.02 min
Lab File: BF091155.D
Acq: 11 Nov 2016 22:08

Tgt Ion: 162 Resp: 31233
Ion Ratio Lower Upper
162 100
164 6.0 44.4 84.4#
98 61.9 25.2 65.2





#31

Naphthalene

Concen: 3.56 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

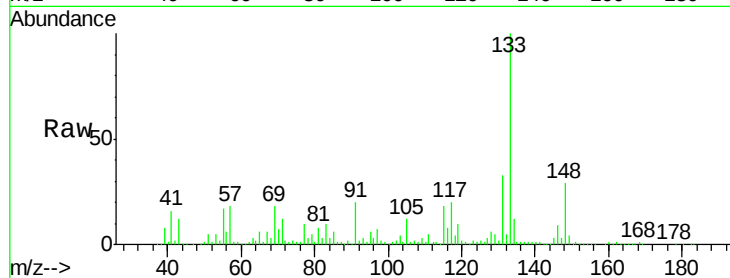
Tgt Ion:128 Resp: 100785

Ion Ratio Lower Upper

128 100

129 86.4 9.0 13.6#

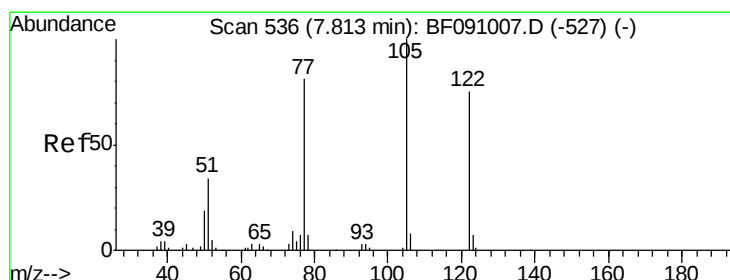
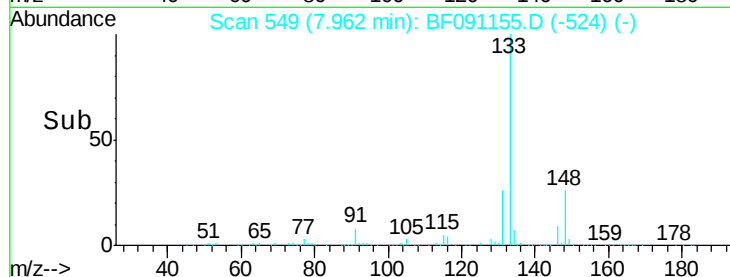
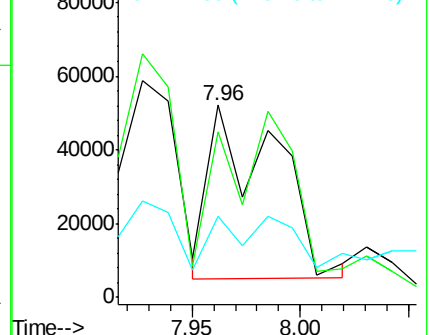
127 42.3 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.95 ng

RT: 7.73 min Scan# 529

Delta R.T. -0.05 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

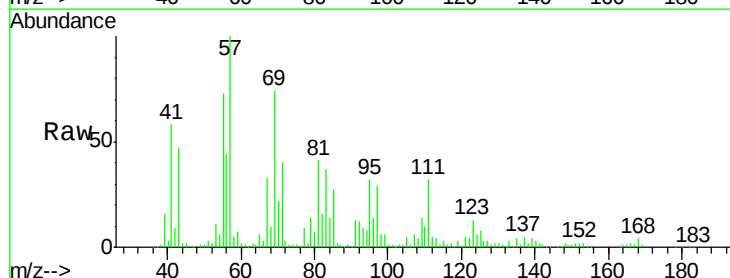
Tgt Ion:122 Resp: 21000

Ion Ratio Lower Upper

122 100

105 145.2 105.9 145.9

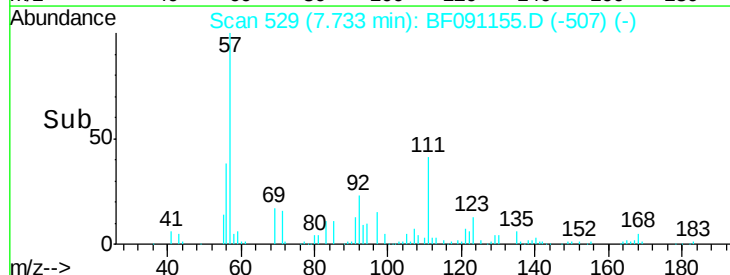
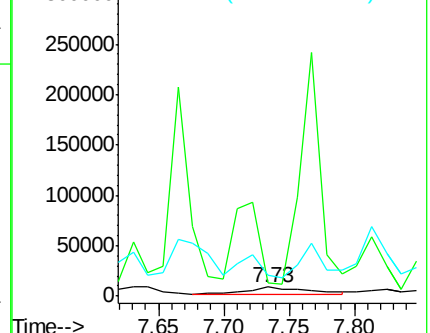
77 237.6 84.0 124.0#

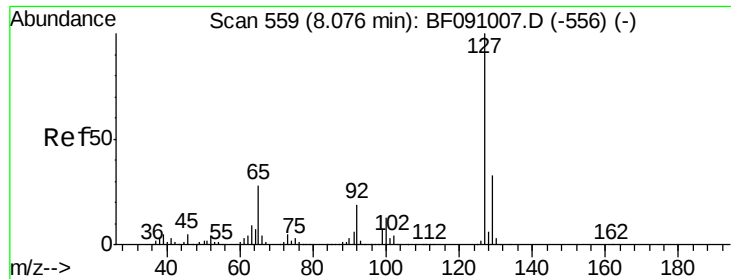


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

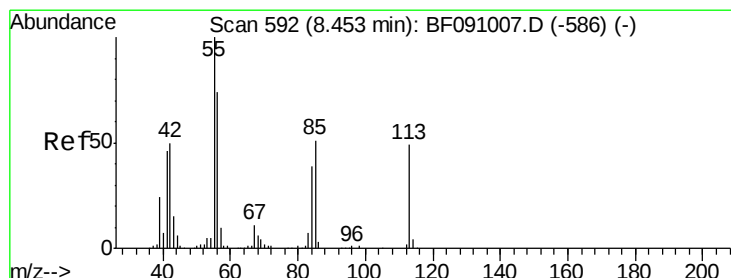
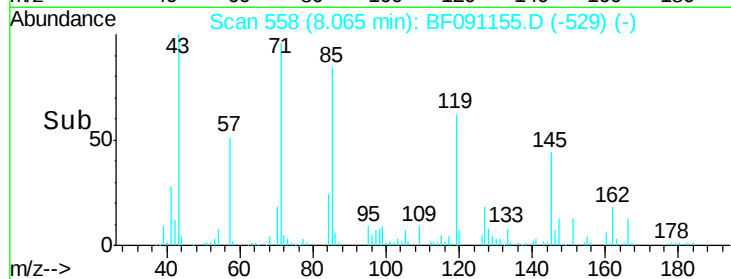
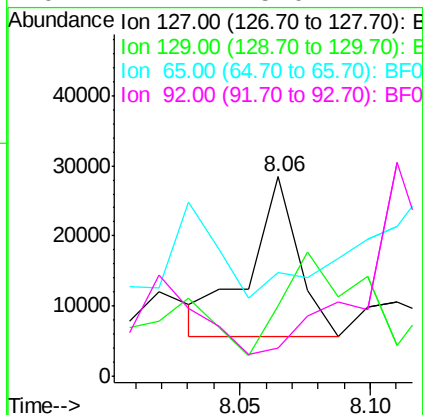
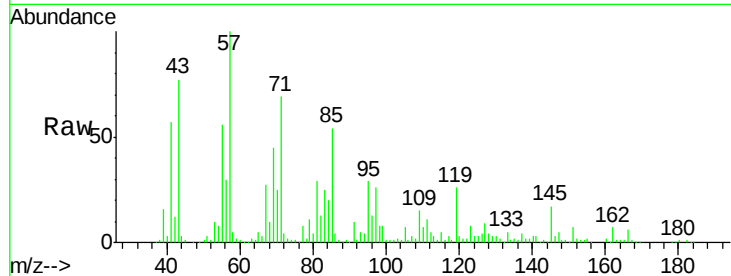




#33
4-Chloroaniline
Concen: 2.50 ng
RT: 8.06 min Scan# 558
Delta R.T. 0.03 min
Lab File: BF091155.D
Acq: 11 Nov 2016 22:08

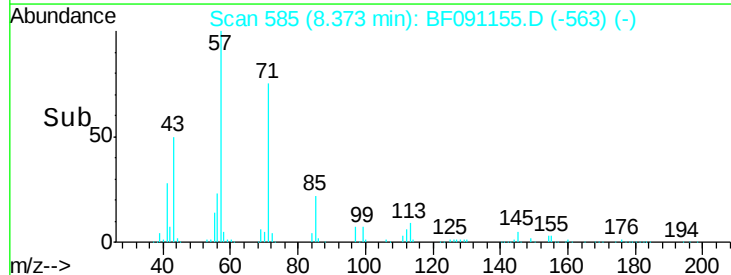
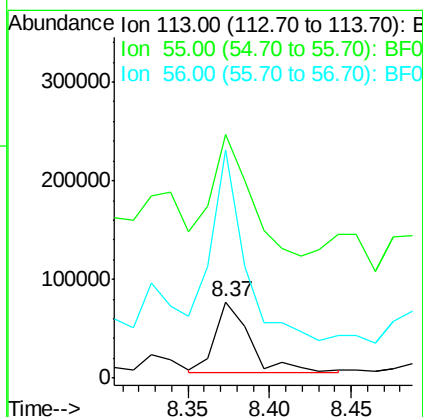
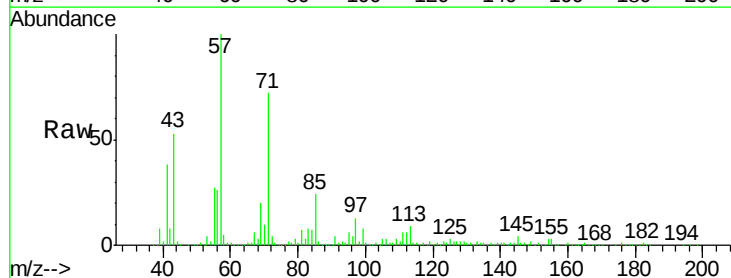
Instrument :
BNA_F
ClientSampleId :
MW-3

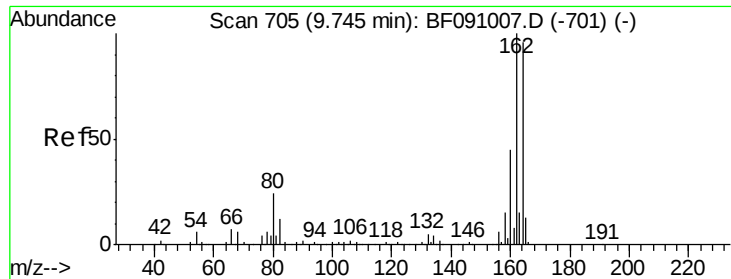
Tgt Ion:	127	Resp:	29379
Ion	Ratio	Lower	Upper
127	100		
129	35.1	26.6	39.8
65	52.0	22.2	33.2#
92	14.2	15.0	22.4#



#35
Caprolactam
Concen: 46.19 ng
RT: 8.37 min Scan# 585
Delta R.T. -0.05 min
Lab File: BF091155.D
Acq: 11 Nov 2016 22:08

Tgt Ion:	113	Resp:	106125
Ion	Ratio	Lower	Upper
113	100		
55	318.2	184.1	224.1#
56	298.8	132.0	172.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

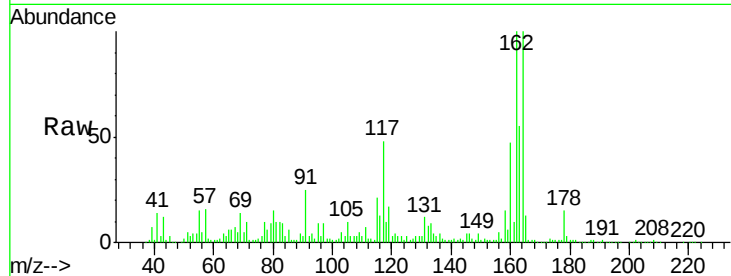
Tgt Ion:164 Resp: 385708

Ion Ratio Lower Upper

164 100

162 99.7 83.6 125.4

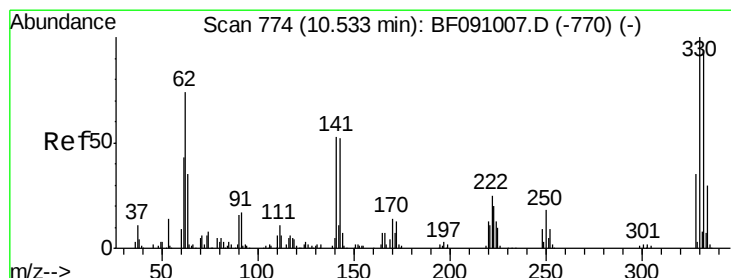
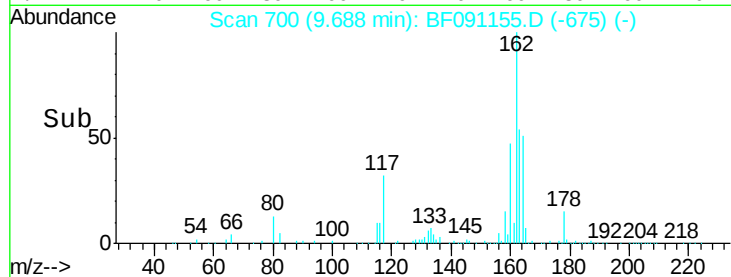
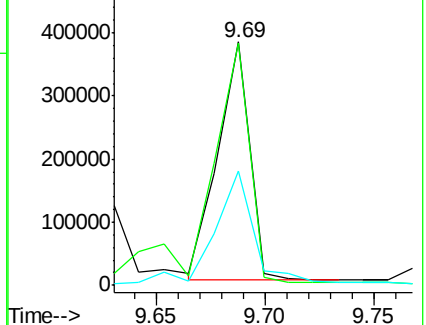
160 46.7 37.9 56.9



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: 119.58 ng

RT: 10.48 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

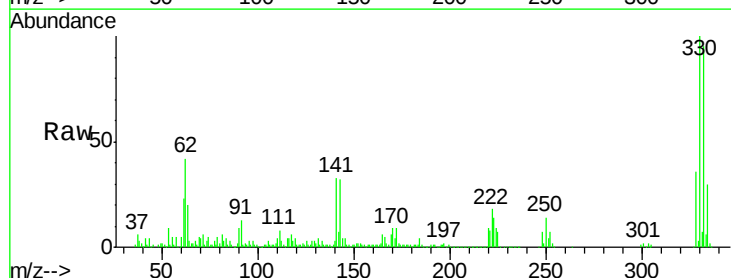
Tgt Ion:330 Resp: 416973

Ion Ratio Lower Upper

330 100

332 95.5 75.9 113.9

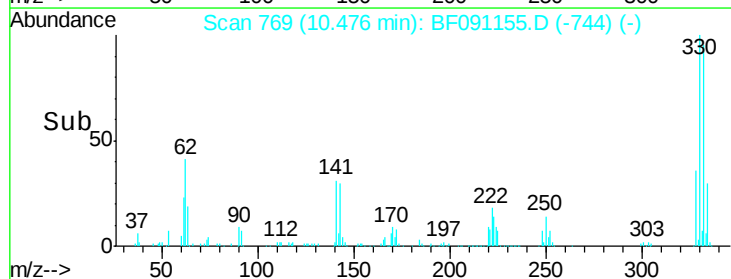
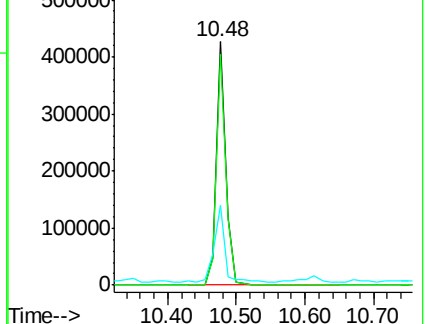
141 35.2 36.1 54.1#

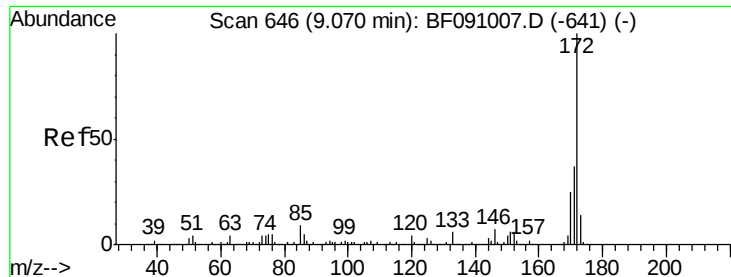


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 73.55 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.02 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

Instrument :

BNA_F

ClientSampleId :

MW-3

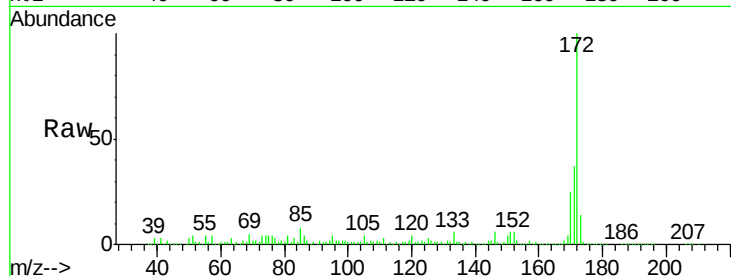
Tgt Ion:172 Resp: 1647750

Ion Ratio Lower Upper

172 100

171 36.9 29.8 44.6

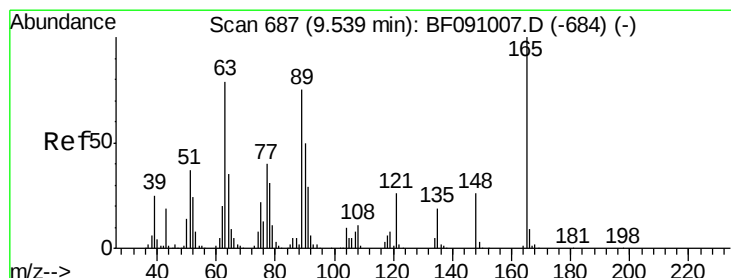
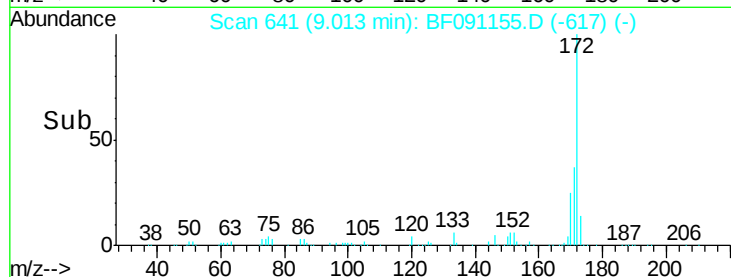
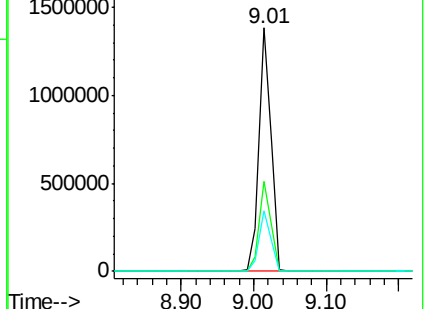
170 25.1 20.3 30.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 8.98 ng

RT: 9.55 min Scan# 688

Delta R.T. 0.05 min

Lab File: BF091155.D

Acq: 11 Nov 2016 22:08

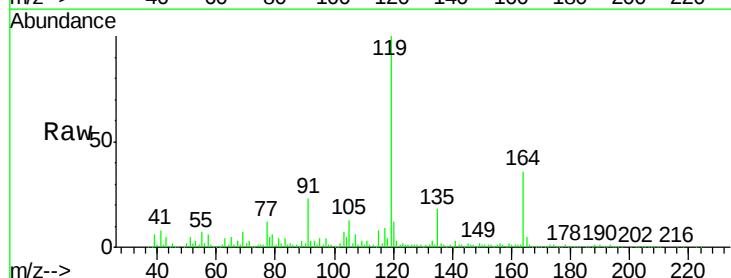
Tgt Ion:165 Resp: 48658

Ion Ratio Lower Upper

165 100

63 78.0 65.6 98.4

89 62.0 59.8 89.6



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

