

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111116\
 Data File : BF091154.D
 Acq On : 11 Nov 2016 21:41
 Operator : UM/SJ
 Sample : H5609-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: Nov 11 23:58:55 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	166450	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	659307	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	346950	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	570744	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	334810	20.00	ng	-0.02
86) Perylene-d12	15.15	264	269048	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	583632	57.91	ng	-0.01
7) Phenol-d6	6.32	99	446906	32.67	ng	0.00
23) Nitrobenzene-d5	7.22	82	869277	71.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	451327	143.89	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1472310	73.06	ng	-0.02
78) Terphenyl-d14	12.74	244	1202011	89.59	ng	-0.02

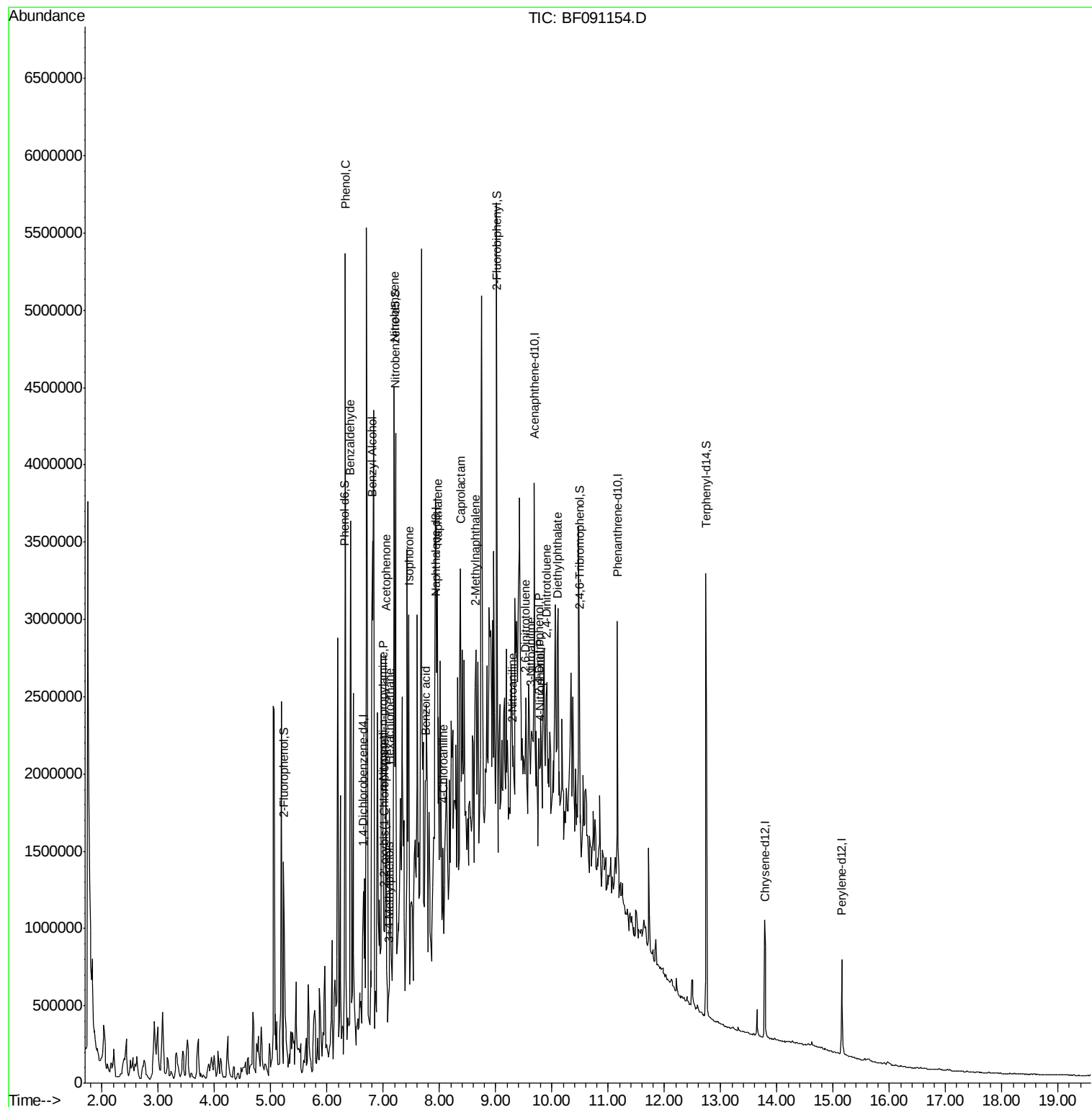
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	24383	3.21	ng	85
10) Phenol	6.33	94	38387	2.54	ng	# 1
15) Benzyl Alcohol	6.81	79	33609	3.48	ng	# 50
16) 2,2'-oxybis(1-Chloropropan	7.02	45	57419	3.14	ng	# 42
18) Hexachloroethane	7.12	117	64730	12.82	ng	# 1
19) n-Nitroso-di-n-propylamine	7.00	70	21026	2.22	ng	# 44
20) 3+4-Methylphenols	7.10	107	27056	2.37	ng	# 69
22) Acetophenone	7.05	105	763934	50.32	ng	# 57
24) Nitrobenzene	7.20	77	212450	15.92	ng	# 22
25) Isophorone	7.46	82	60725	2.61	ng	# 1
31) Naphthalene	7.96	128	769621	24.41	ng	# 92
32) Benzoic acid	7.76	122	26787	8.36	ng	# 1
33) 4-Chloroaniline	8.06	127	35243	2.69	ng	# 82
35) Caprolactam	8.37	113	55894	21.82	ng	# 56
37) 2-Methylnaphthalene	8.65	142	357285	17.63	ng	# 99
47) 2-Nitroaniline	9.30	65	49348	6.91	ng	# 33
50) 2,6-Dinitrotoluene	9.53	165	16134	3.31	ng	# 78
52) 3-Nitroaniline	9.63	138	15329	2.65	ng	# 58
53) 2,4-Dinitrophenol	9.77	184	459	6.42	ng	# 1
55) 4-Nitrophenol	9.79	139	14912	9.33	ng	# 7
56) 2,4-Dinitrotoluene	9.90	165	19315	3.11	ng	# 11
59) Diethylphthalate	10.10	149	82192	3.52	ng	# 64

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

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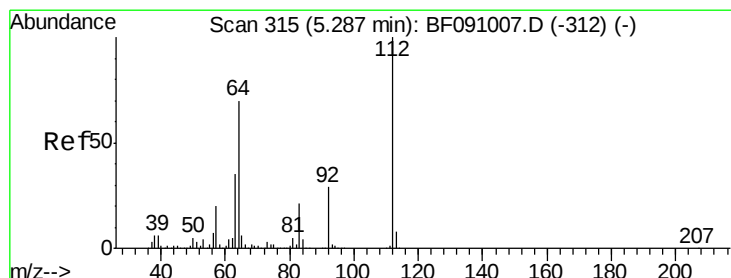
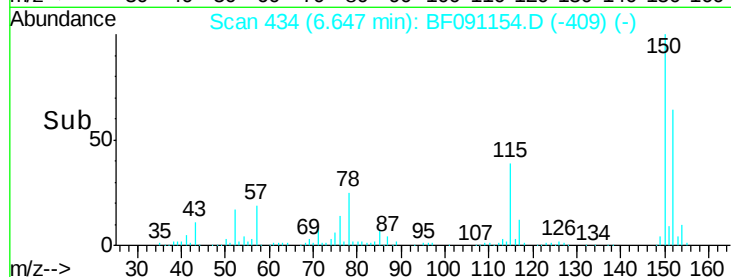
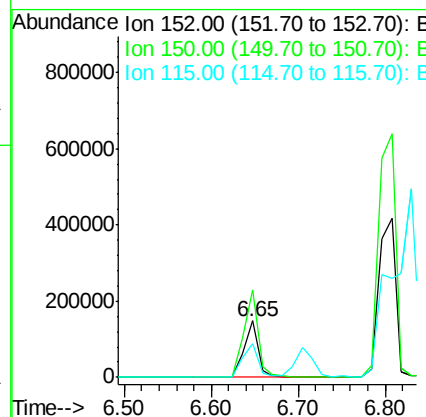
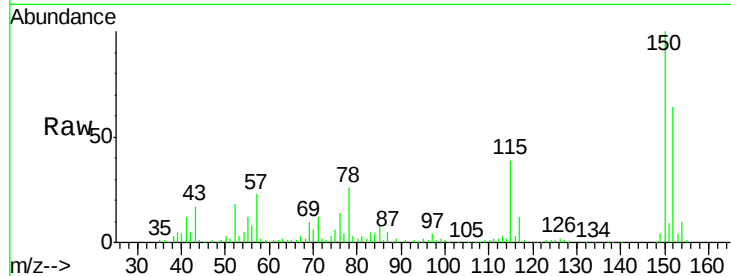




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 434
 Delta R.T. -0.01 min
 Lab File: BF091154.D
 Acq: 11 Nov 2016 21:41

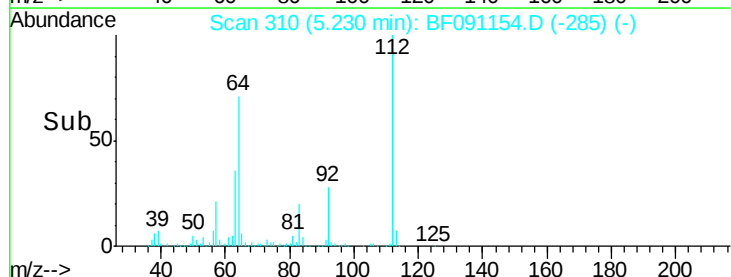
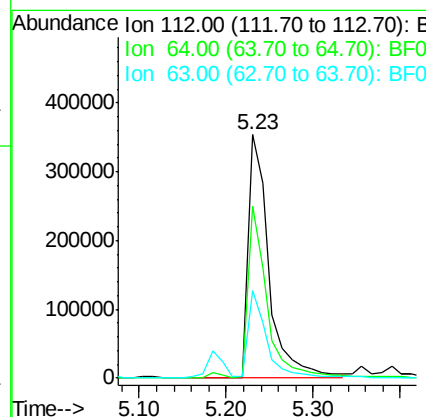
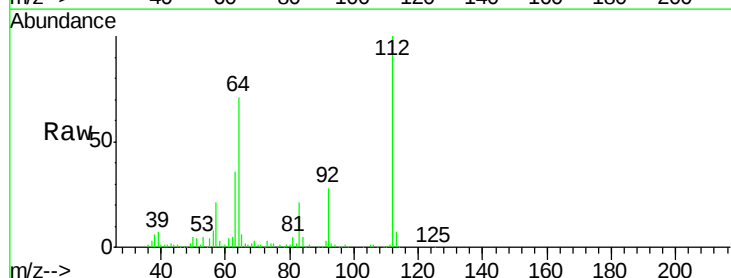
Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:152 Resp: 166450
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.8 190.2
 115 60.5 53.3 79.9



#5
 2-Fluorophenol
 Concen: 57.91 ng
 RT: 5.23 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: BF091154.D
 Acq: 11 Nov 2016 21:41

Tgt Ion:112 Resp: 583632
 Ion Ratio Lower Upper
 112 100
 64 70.8 55.8 83.6
 63 36.0 28.0 42.0





#7

Phenol-d6

Concen: 32.67 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Instrument :

BNA_F

ClientSampleId :

MW-4

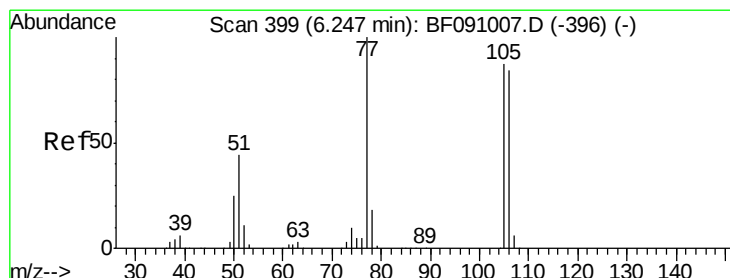
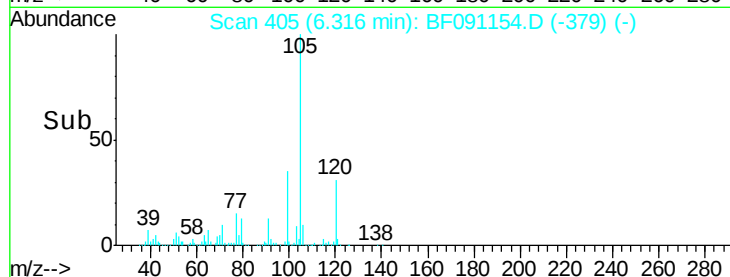
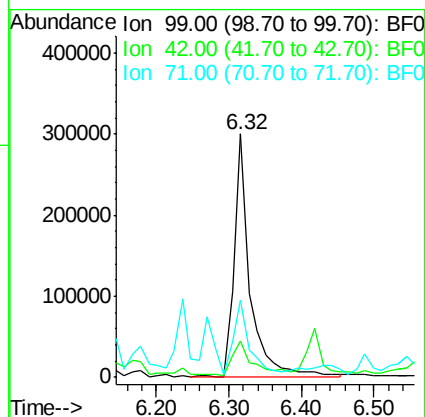
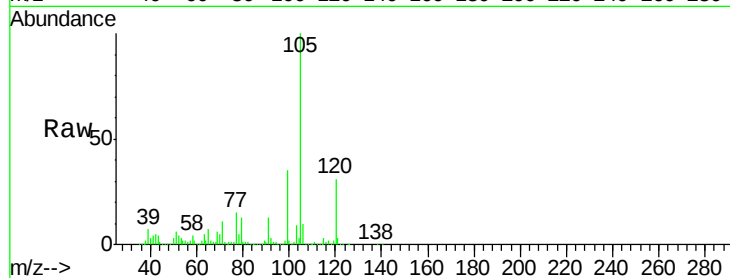
Tgt Ion: 99 Resp: 446906

Ion Ratio Lower Upper

99 100

42 14.8 13.9 20.9

71 31.7 27.8 41.8



#9

Benzaldehyde

Concen: 3.21 ng

RT: 6.42 min Scan# 414

Delta R.T. 0.22 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

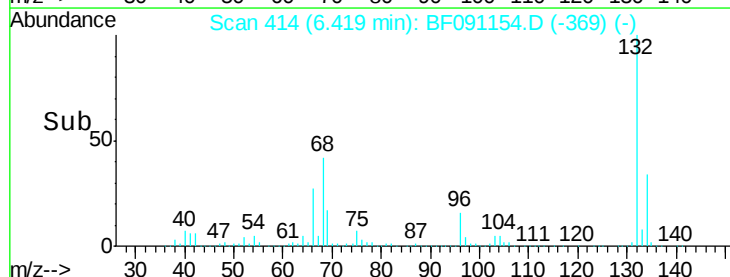
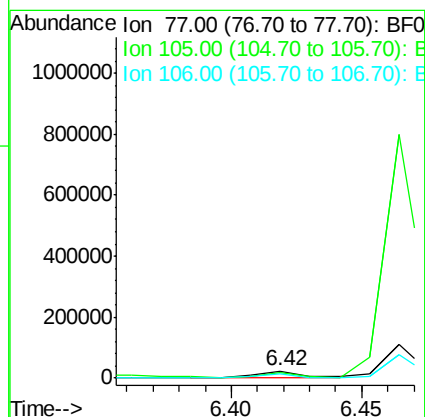
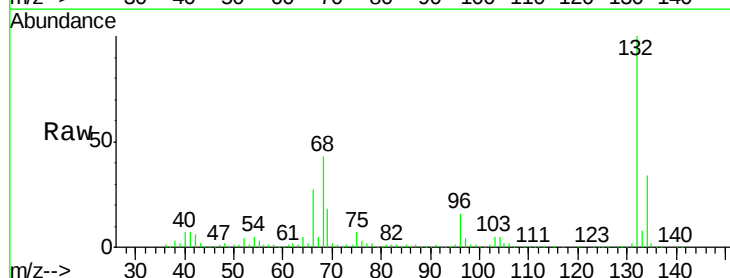
Tgt Ion: 77 Resp: 24383

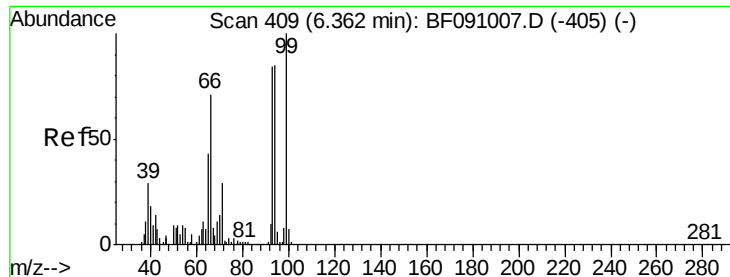
Ion Ratio Lower Upper

77 100

105 79.0 66.8 106.8

106 65.0 64.0 104.0





#10

Phenol

Concen: 2.54 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Instrument :

BNA_F

ClientSampleId :

MW-4

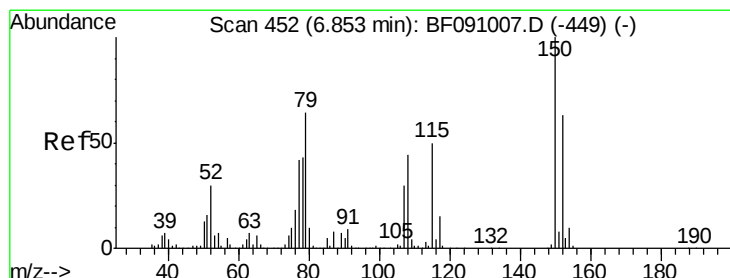
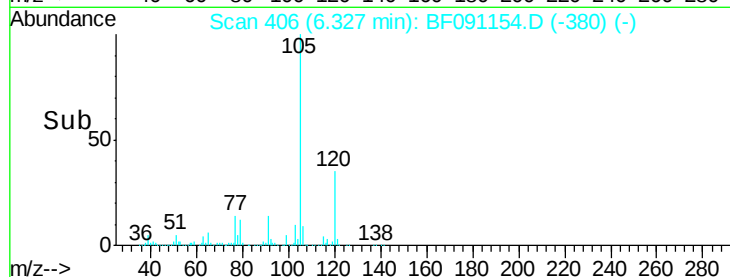
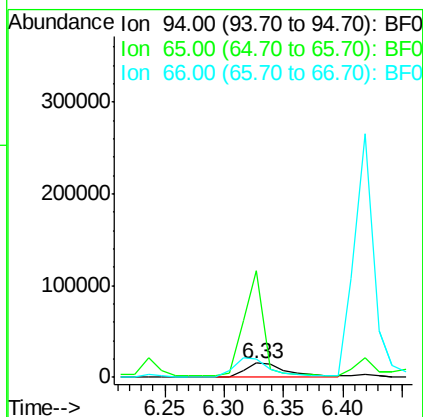
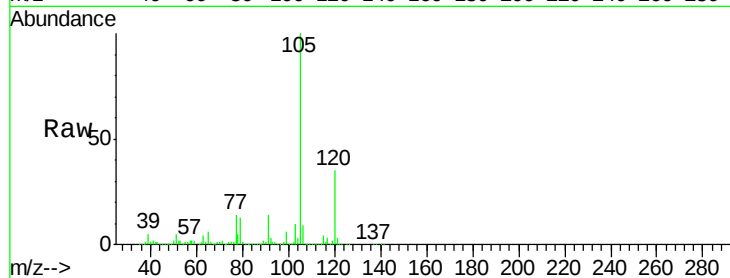
Tgt Ion: 94 Resp: 38387

Ion Ratio Lower Upper

94 100

65 740.6 30.4 70.4#

66 129.5 62.9 102.9#



#15

Benzyl Alcohol

Concen: 3.48 ng

RT: 6.81 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

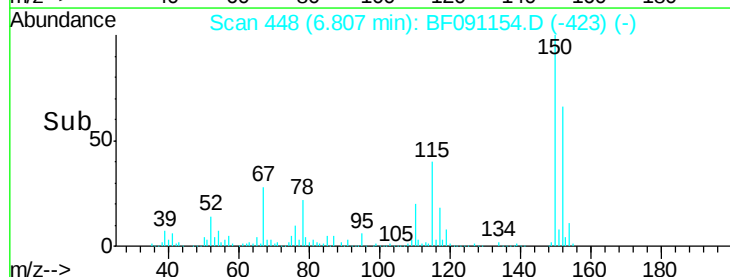
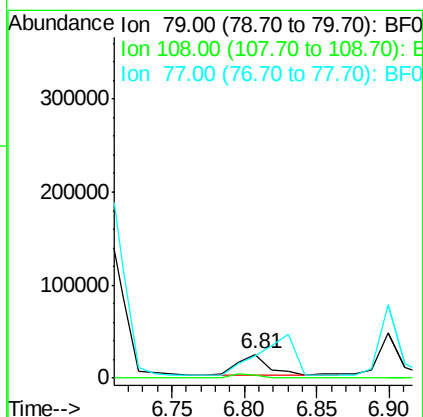
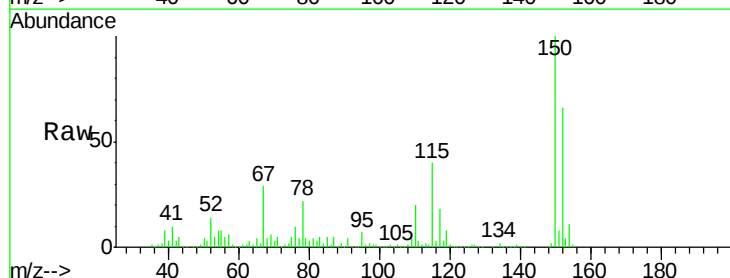
Tgt Ion: 79 Resp: 33609

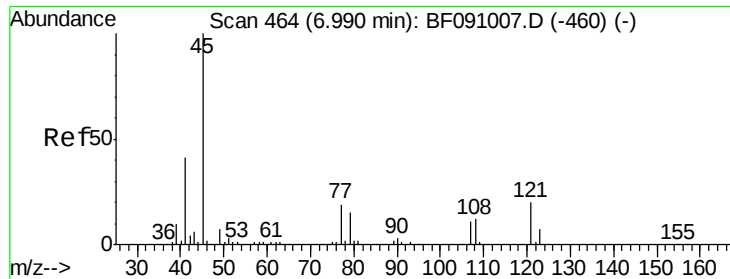
Ion Ratio Lower Upper

79 100

108 14.5 55.7 83.5#

77 91.6 52.6 79.0#

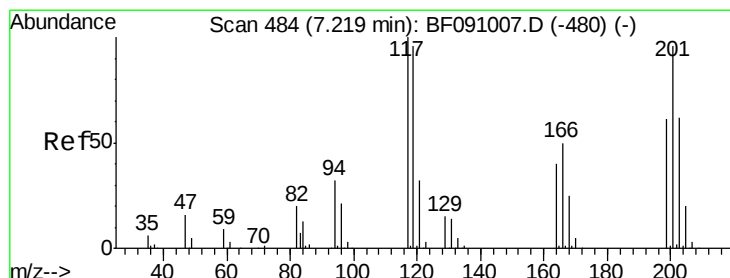
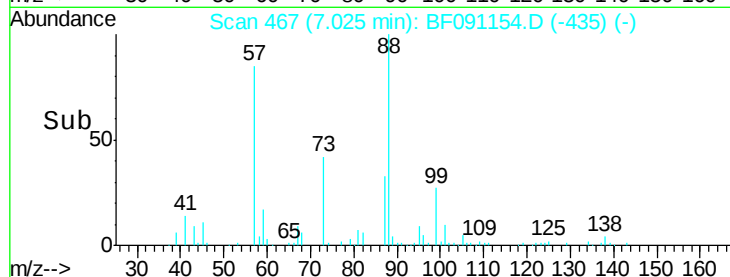
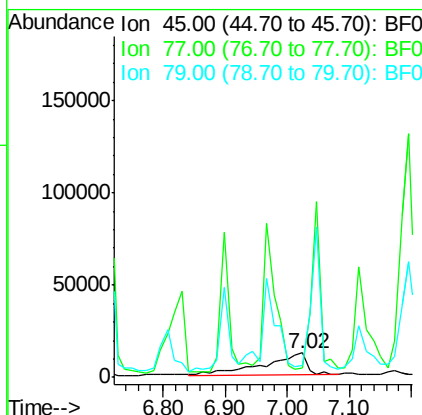
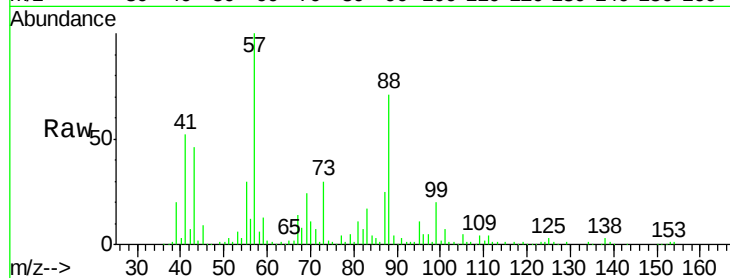




#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.14 ng
RT: 7.02 min Scan# 467
Delta R.T. 0.07 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

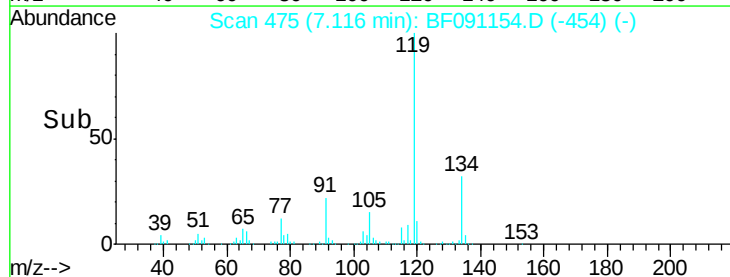
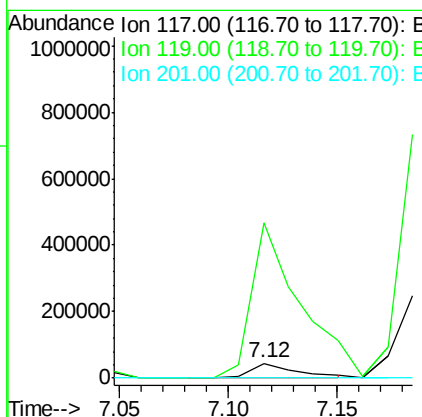
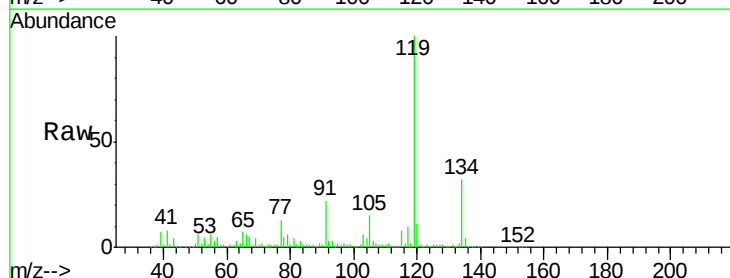
Instrument :
BNA_F
ClientSampleId :
MW-4

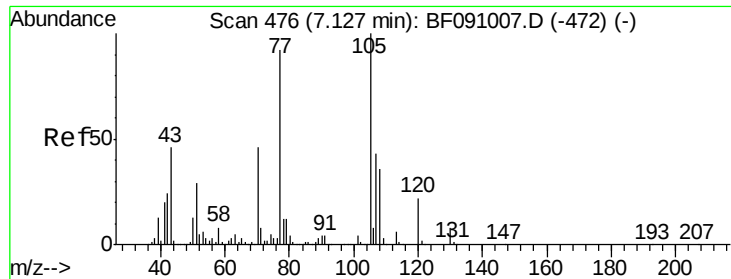
Tgt Ion: 45 Resp: 57419
Ion Ratio Lower Upper
45 100
77 38.3 0.0 39.6
79 49.7 0.0 35.9#



#18
Hexachloroethane
Concen: 12.82 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.06 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

Tgt Ion: 117 Resp: 64730
Ion Ratio Lower Upper
117 100
119 1049.9 76.6 115.0#
201 0.0 77.1 115.7#

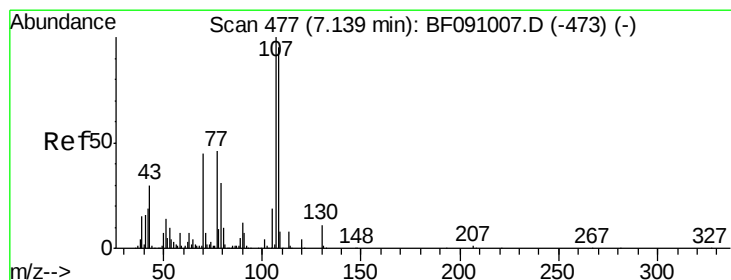
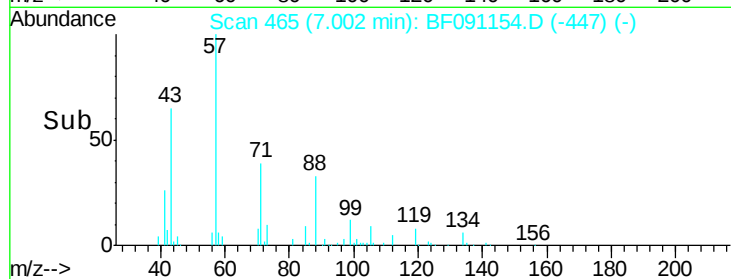
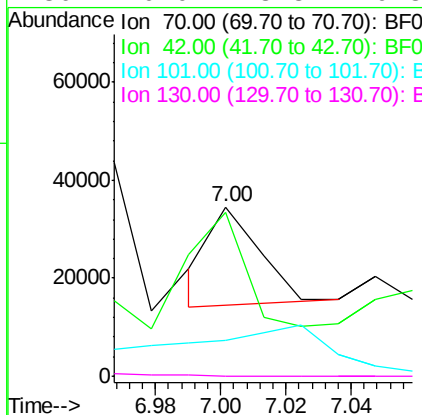
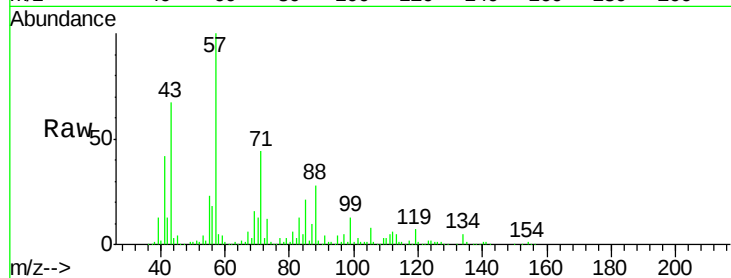




#19
n-Nitroso-di-n-propylamine
Concen: 2.22 ng
RT: 7.00 min Scan# 465
Delta R.T. -0.09 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

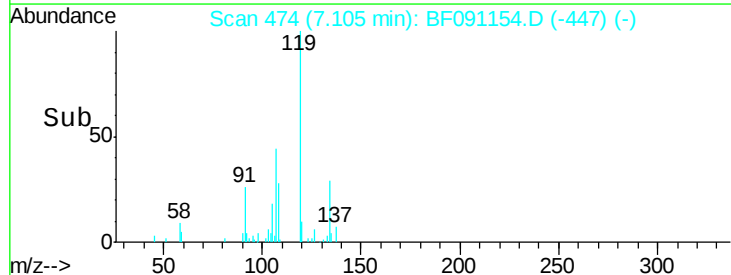
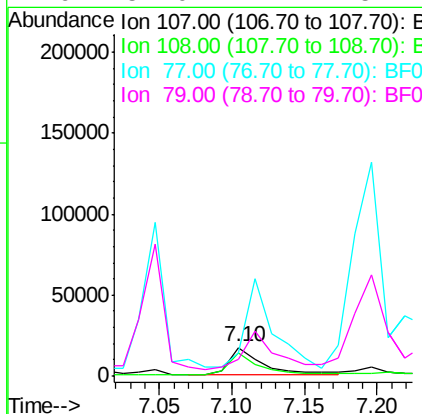
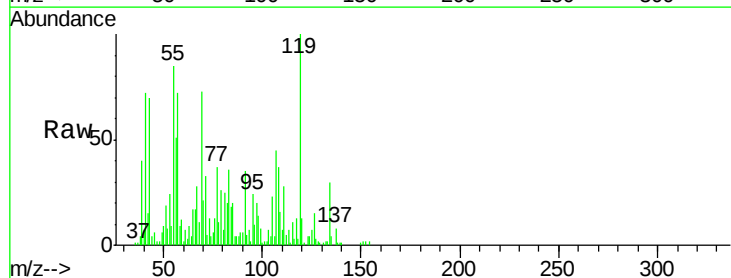
Instrument :
BNA_F
ClientSampleId :
MW-4

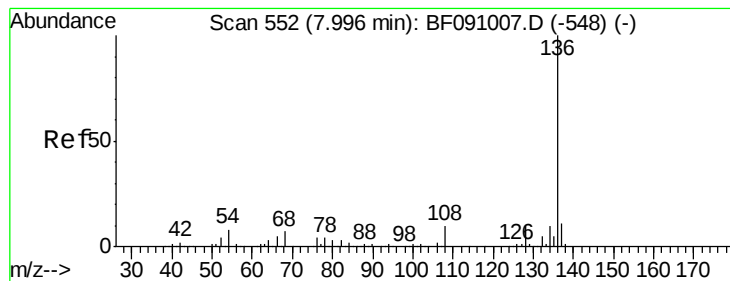
Tgt Ion: 70 Resp: 21026
Ion Ratio Lower Upper
70 100
42 97.1 41.7 62.5#
101 21.3 6.7 10.1#
130 0.0 13.8 20.8#



#20
3+4-Methylphenols
Concen: 2.37 ng
RT: 7.10 min Scan# 474
Delta R.T. 0.01 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

Tgt Ion: 107 Resp: 27056
Ion Ratio Lower Upper
107 100
108 81.5 75.5 115.5
77 82.5 26.4 66.4#
79 57.0 11.1 51.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 547

Delta R.T. -0.01 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Instrument :

BNA_F

ClientSampleId :

MW-4

Tgt Ion:136 Resp: 659307

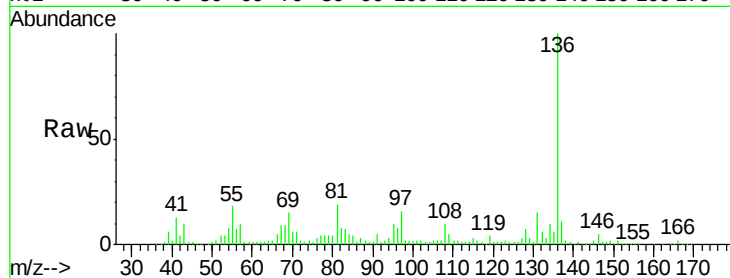
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.2 6.2 9.2

68 8.7 5.5 8.3#

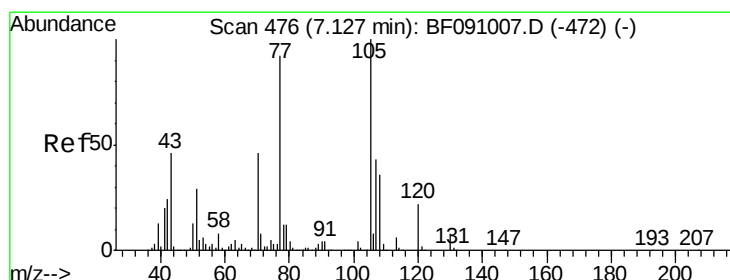
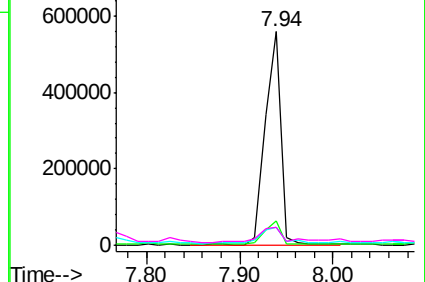
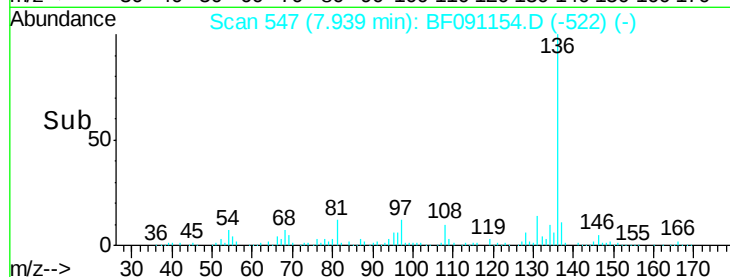


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.32 ng

RT: 7.05 min Scan# 469

Delta R.T. -0.03 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Tgt Ion:105 Resp: 763934

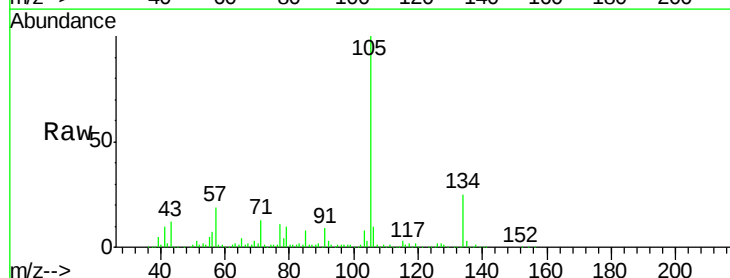
Ion Ratio Lower Upper

105 100

71 12.9 6.2 9.2#

51 3.3 23.3 34.9#

120 0.2 17.4 26.0#

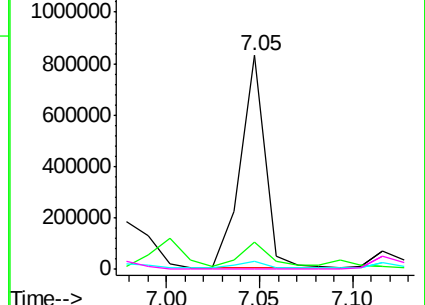
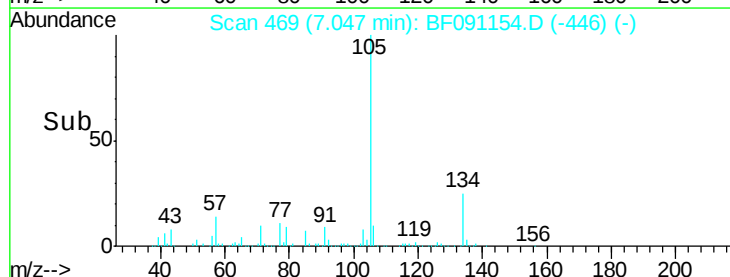


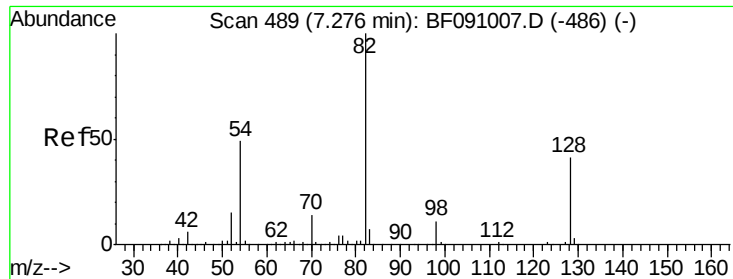
Abundance Ion 105.00 (104.70 to 105.70): E

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

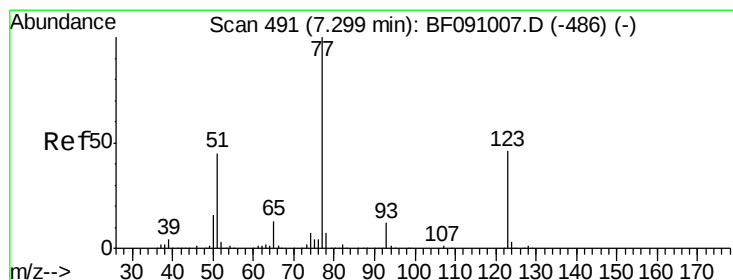
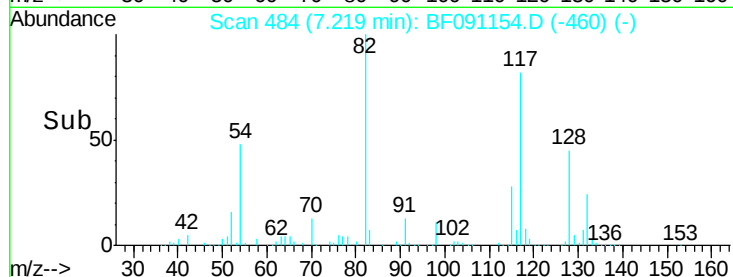
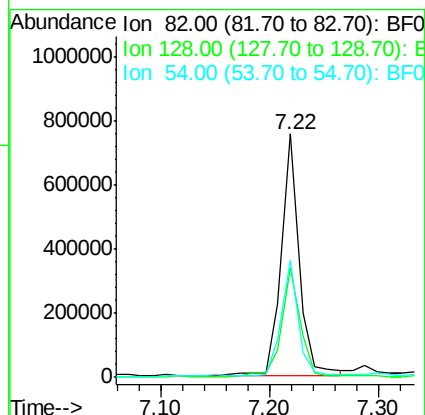
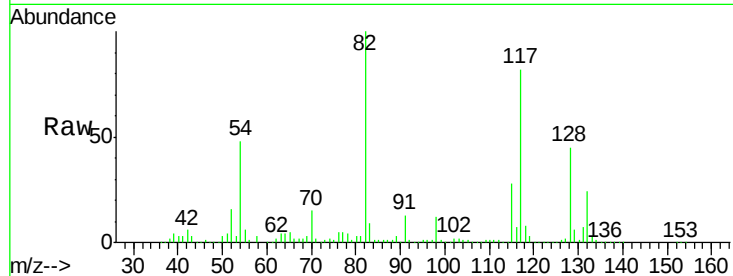




#23
 Nitrobenzene-d5
 Concen: 71.92 ng
 RT: 7.22 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF091154.D
 Acq: 11 Nov 2016 21:41

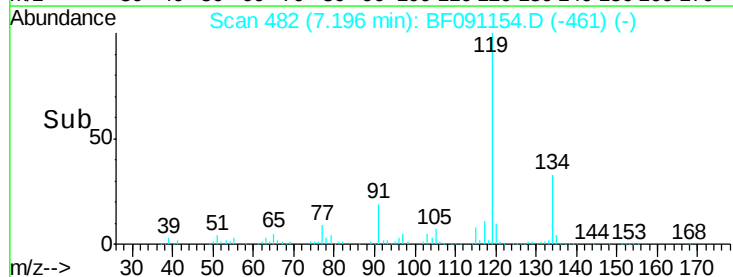
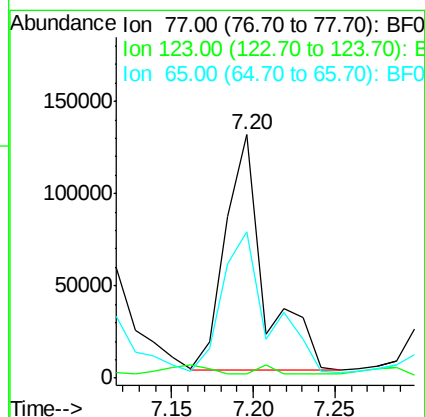
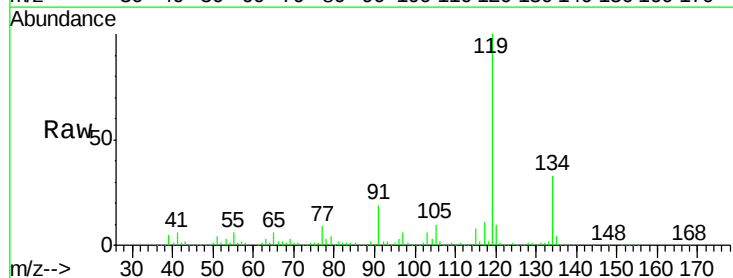
Instrument :
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 MW-4

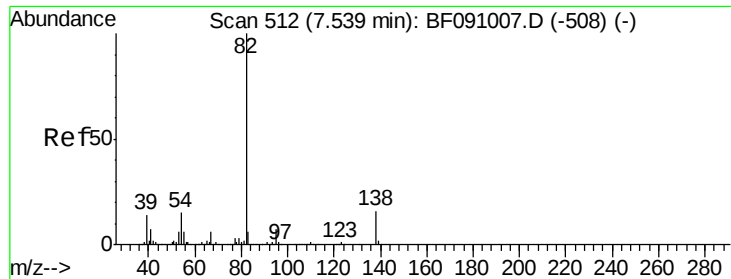
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.4	48.6
54	48.0	39.2	58.8



#24
 Nitrobenzene
 Concen: 15.92 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.06 min
 Lab File: BF091154.D
 Acq: 11 Nov 2016 21:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	1.6	36.5	54.7#
65	60.1	10.7	16.1#





#25

Isophorone

Concen: 2.61 ng

RT: 7.46 min Scan# 505

Delta R.T. -0.03 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Instrument :

BNA_F

ClientSampleId :

MW-4

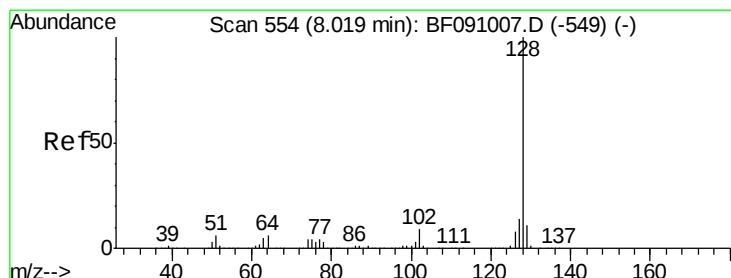
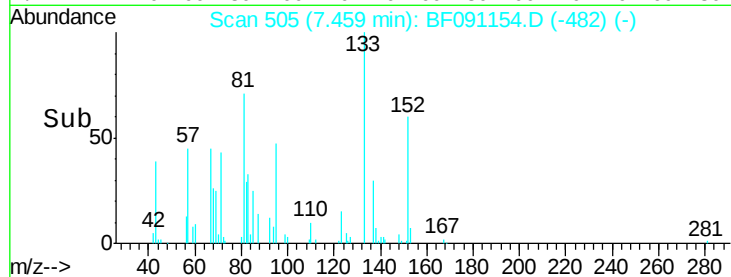
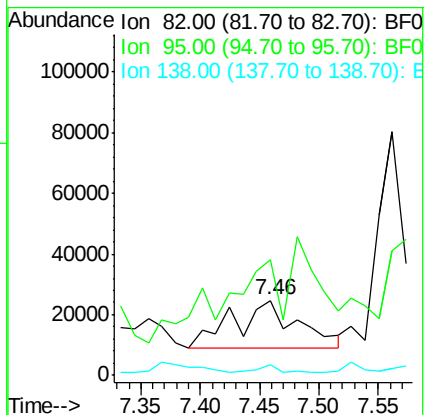
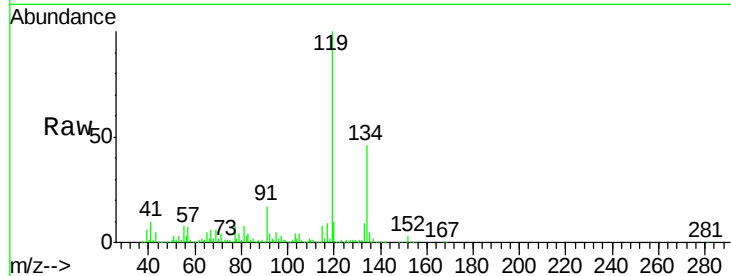
Tgt Ion: 82 Resp: 60725

Ion Ratio Lower Upper

82 100

95 154.1 5.4 8.0#

138 14.3 13.0 19.4



#31

Naphthalene

Concen: 24.41 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

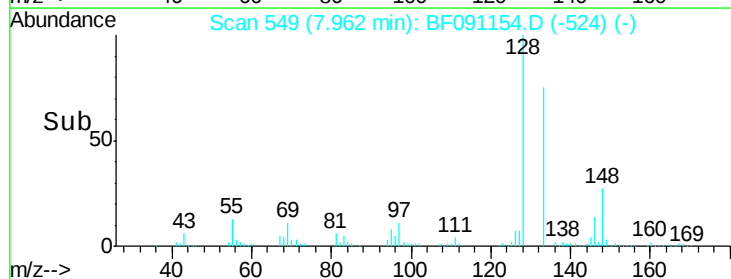
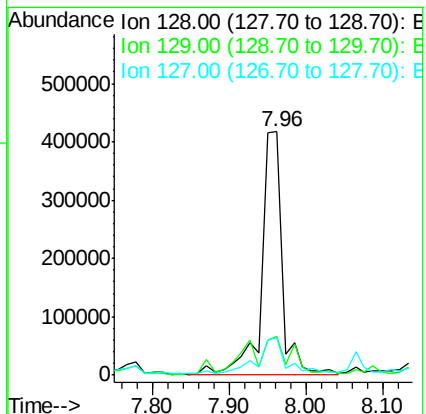
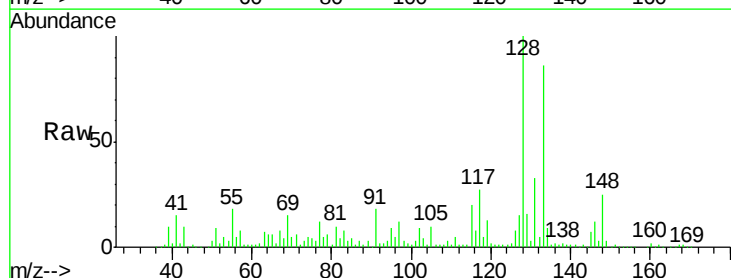
Tgt Ion: 128 Resp: 769621

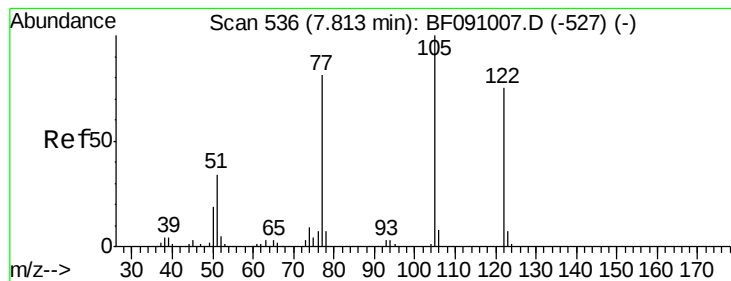
Ion Ratio Lower Upper

128 100

129 16.1 9.0 13.6#

127 15.4 10.9 16.3





#32

Benzoic acid

Concen: 8.36 ng

RT: 7.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Instrument :

BNA_F

ClientSampled :

MW-4

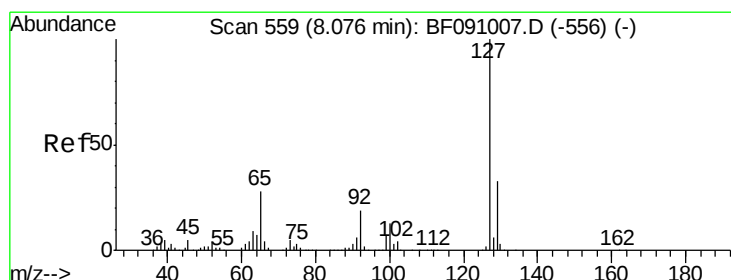
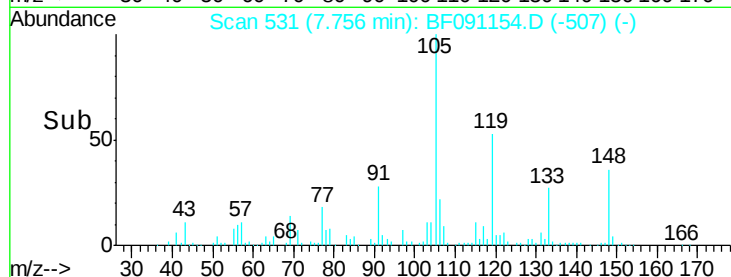
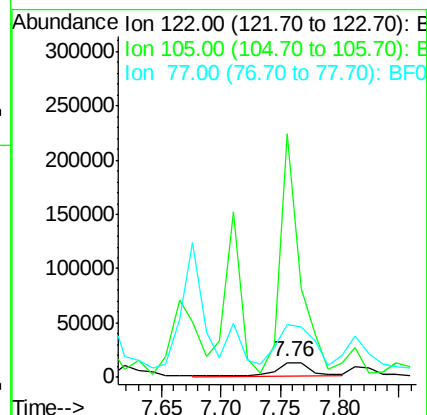
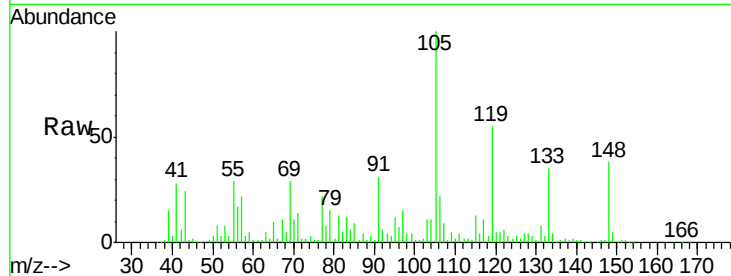
Tgt Ion:122 Resp: 26787

Ion Ratio Lower Upper

122 100

105 1629.3 105.9 145.9#

77 351.2 84.0 124.0#



#33

4-Chloroaniline

Concen: 2.69 ng

RT: 8.06 min Scan# 558

Delta R.T. 0.03 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Tgt Ion:127 Resp: 35243

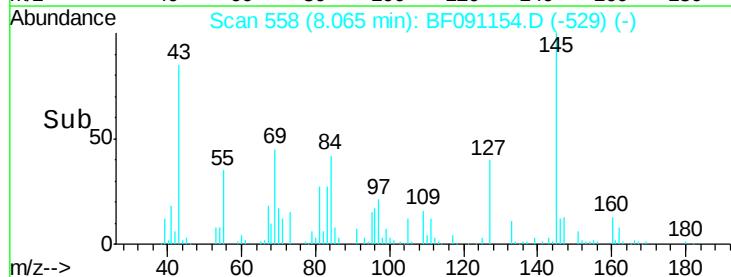
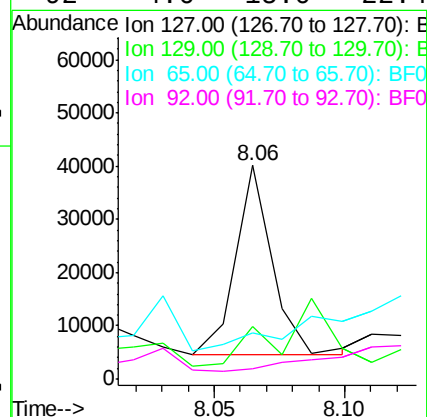
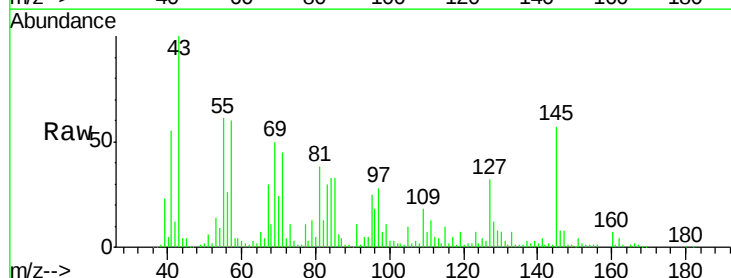
Ion Ratio Lower Upper

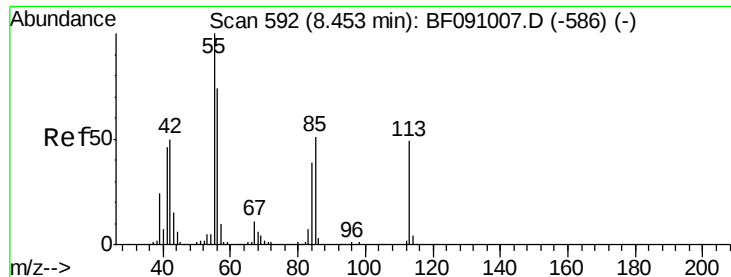
127 100

129 24.4 26.6 39.8#

65 21.6 22.2 33.2#

92 4.6 15.0 22.4#

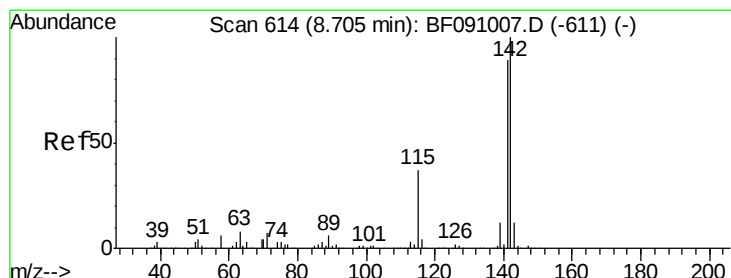
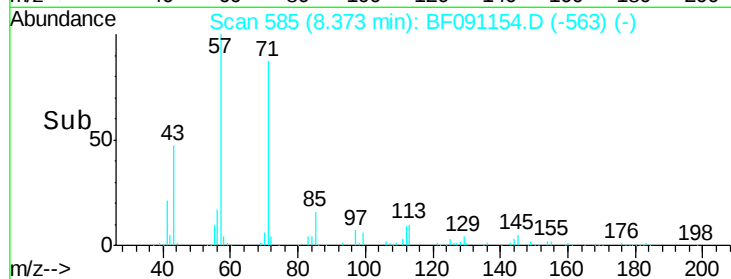
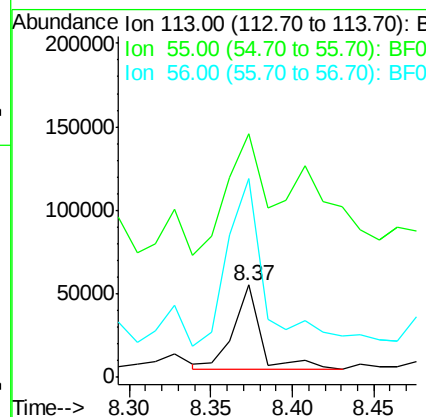
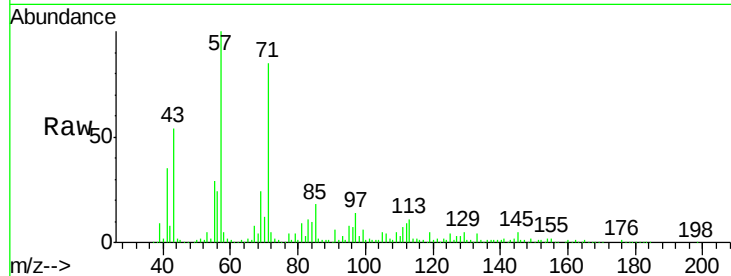




#35
 Caprolactam
 Concen: 21.82 ng
 RT: 8.37 min Scan# 585
 Delta R.T. -0.05 min
 Lab File: BF091154.D
 Acq: 11 Nov 2016 21:41

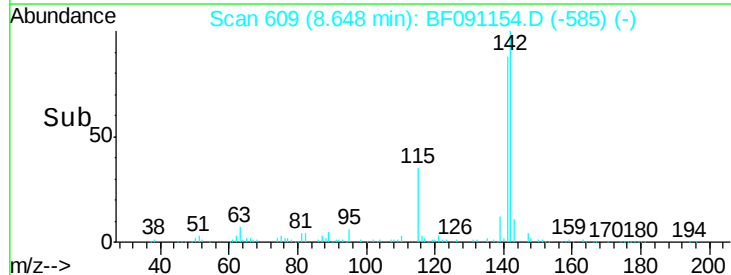
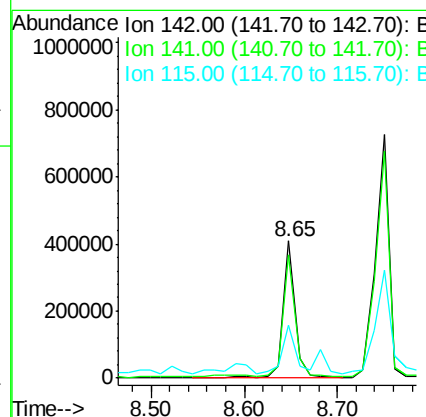
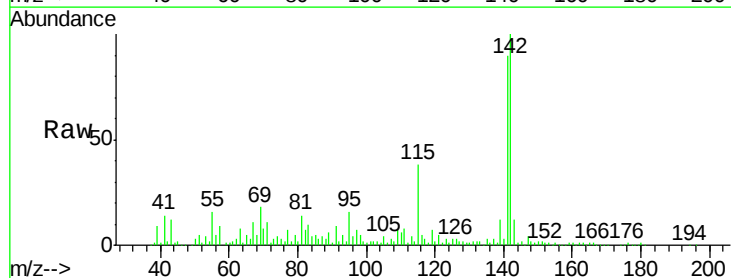
Instrument :
 BNA_F
 ClientSampleId :
 MW-4

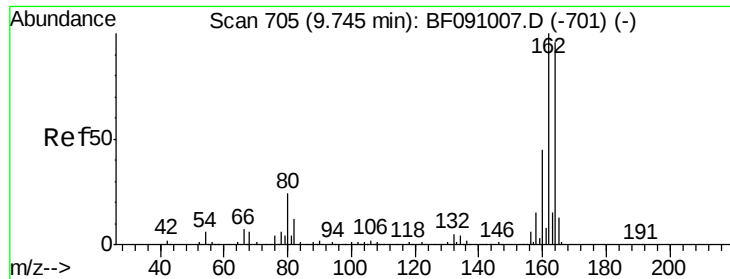
Tgt Ion:113 Resp: 55894
 Ion Ratio Lower Upper
 113 100
 55 264.7 184.1 224.1#
 56 215.9 132.0 172.0#



#37
 2-Methylnaphthalene
 Concen: 17.63 ng
 RT: 8.65 min Scan# 609
 Delta R.T. -0.02 min
 Lab File: BF091154.D
 Acq: 11 Nov 2016 21:41

Tgt Ion:142 Resp: 357285
 Ion Ratio Lower Upper
 142 100
 141 89.9 71.3 106.9
 115 38.3 29.9 44.9

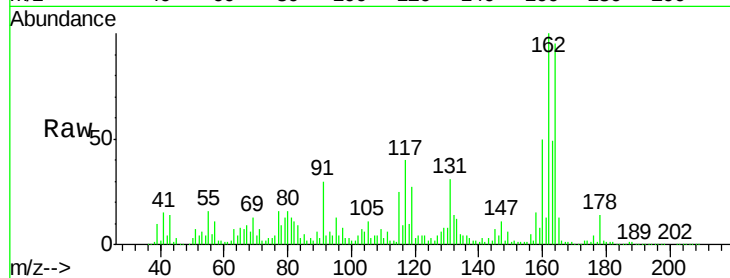




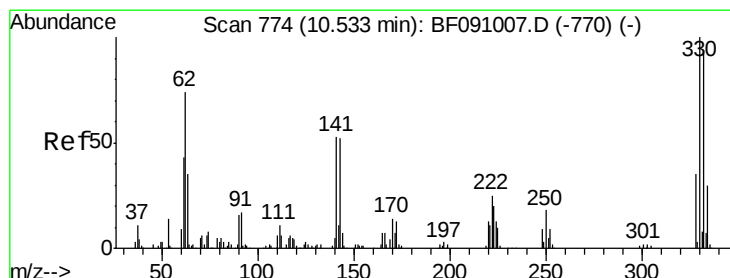
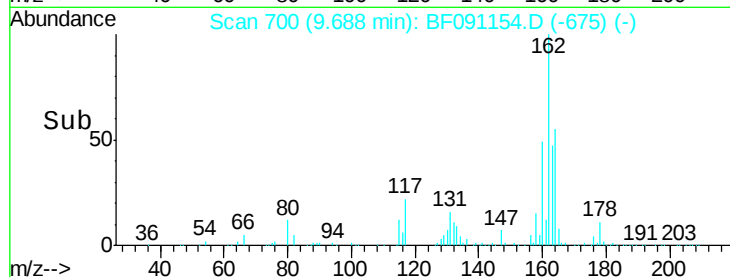
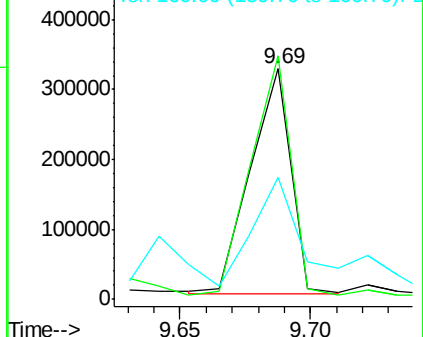
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion:164 Resp: 346950
Ion Ratio Lower Upper
164 100
162 105.6 83.6 125.4
160 53.0 37.9 56.9

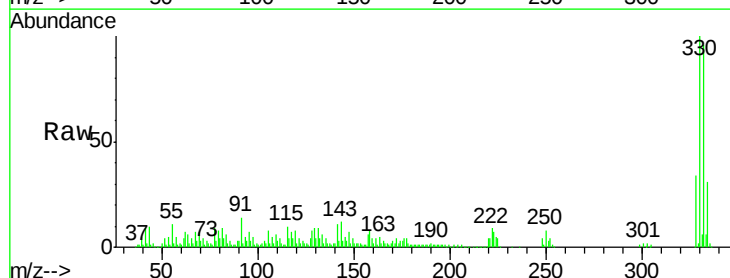


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

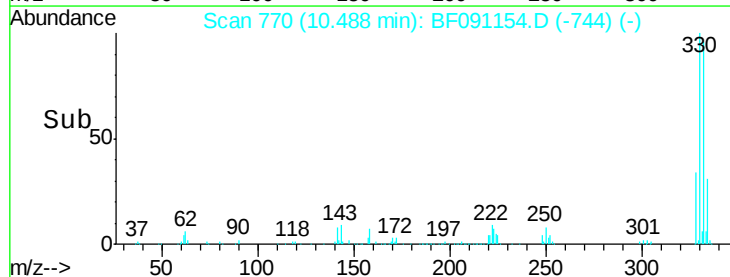
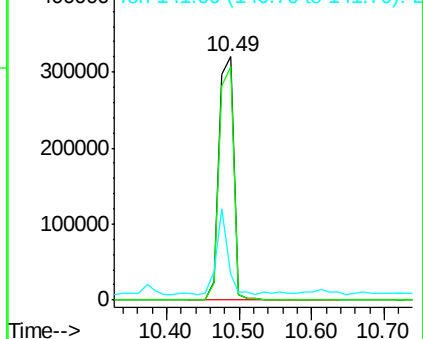


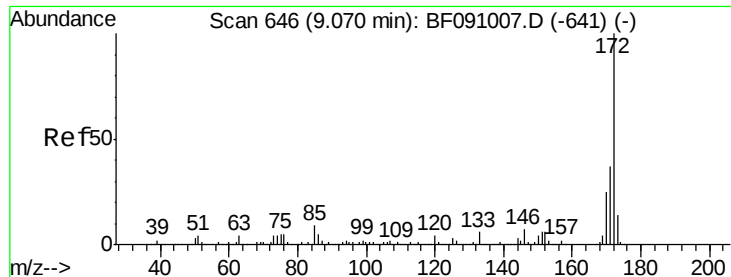
#41
2,4,6-Tribromophenol
Concen: 143.89 ng
RT: 10.49 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

Tgt Ion:330 Resp: 451327
Ion Ratio Lower Upper
330 100
332 95.3 75.9 113.9
141 27.9 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

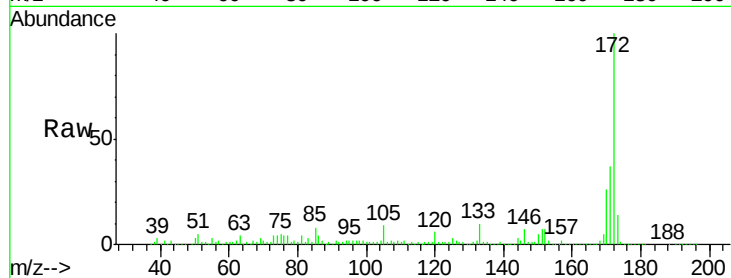




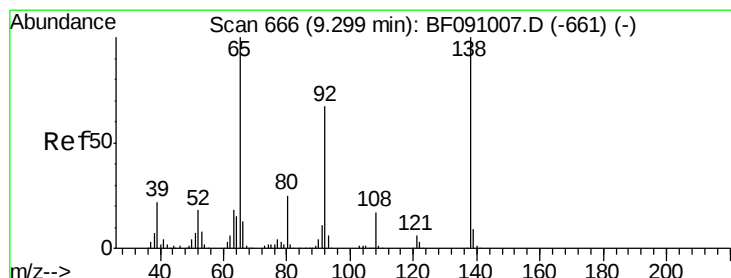
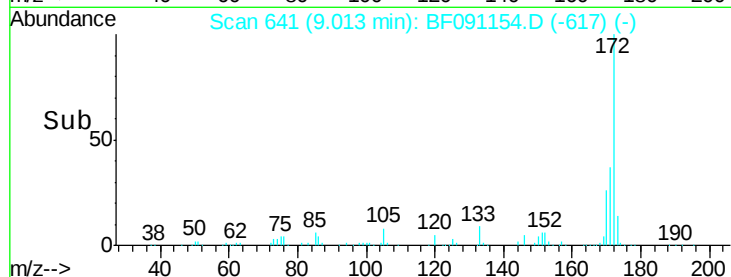
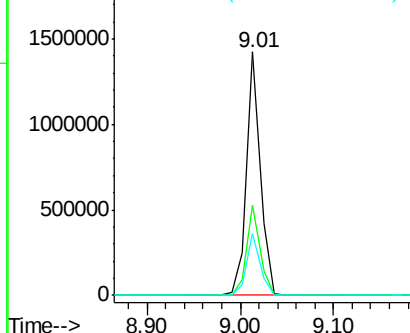
#44
2-Fluorobiphenyl
Concen: 73.06 ng
RT: 9.01 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion: 172 Resp: 1472310
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 25.6 20.3 30.5

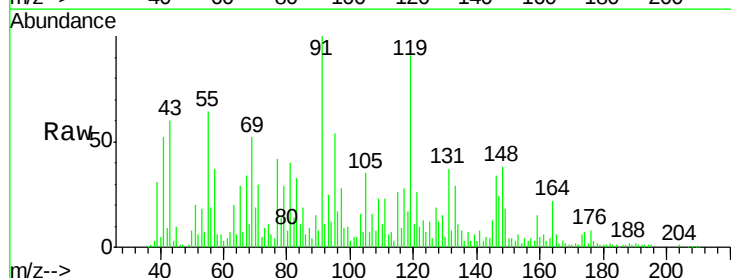


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

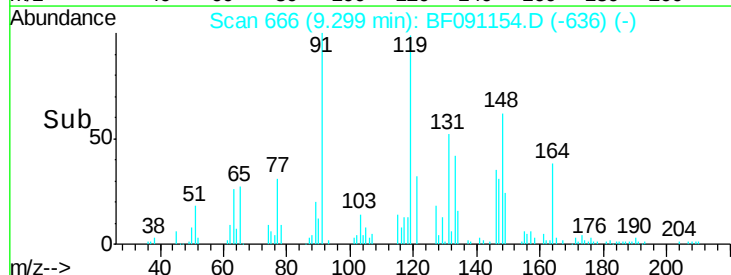
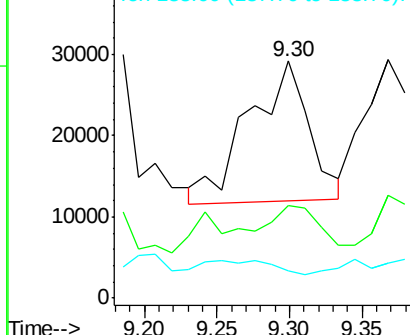


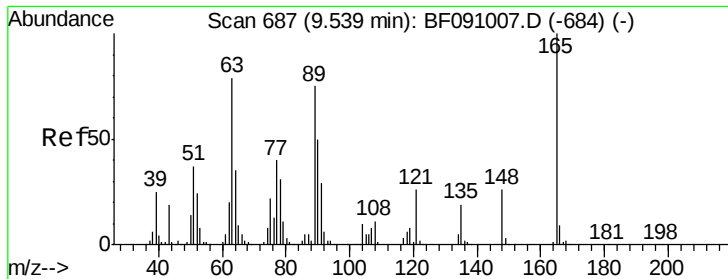
#47
2-Nitroaniline
Concen: 6.91 ng
RT: 9.30 min Scan# 666
Delta R.T. 0.05 min
Lab File: BF091154.D
Acq: 11 Nov 2016 21:41

Tgt Ion: 65 Resp: 49348
Ion Ratio Lower Upper
65 100
92 39.3 53.9 80.9#
138 11.3 80.1 120.1#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 3.31 ng

RT: 9.53 min Scan# 686

Delta R.T. 0.02 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

Instrument :

BNA_F

ClientSampled :

MW-4

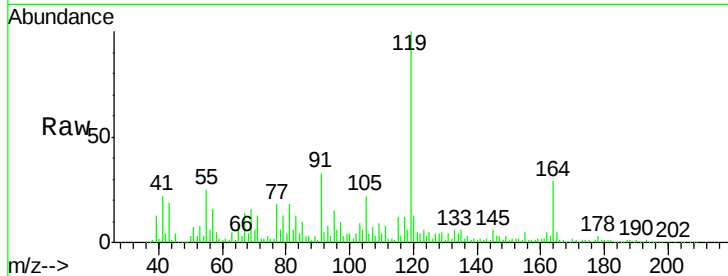
Tgt Ion:165 Resp: 16134

Ion Ratio Lower Upper

165 100

63 105.4 65.6 98.4#

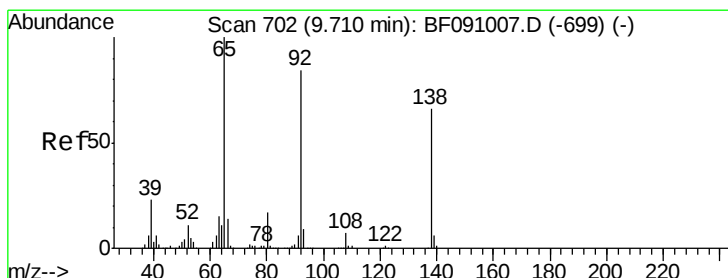
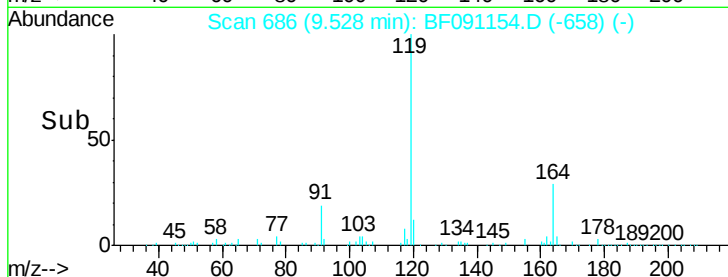
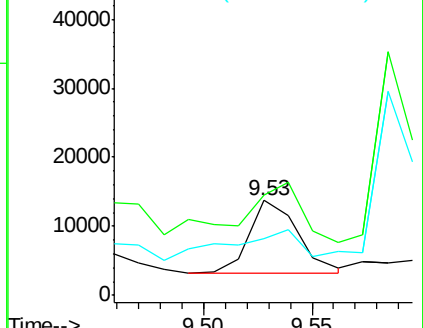
89 60.5 59.8 89.6



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



#52

3-Nitroaniline

Concen: 2.65 ng

RT: 9.63 min Scan# 695

Delta R.T. -0.03 min

Lab File: BF091154.D

Acq: 11 Nov 2016 21:41

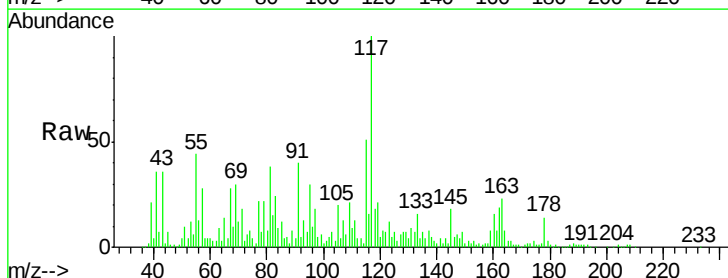
Tgt Ion:138 Resp: 15329

Ion Ratio Lower Upper

138 100

108 114.9 8.4 12.6#

92 101.2 101.1 151.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

