

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092550.D
 Acq On : 27 Jan 2017 2:53
 Operator : SJ/MA
 Sample : I1452-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

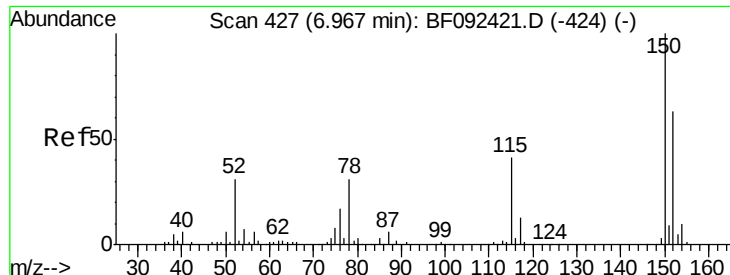
Instrument :
 BNA_F
 ClientSampleId :
 W-44

Quant Time: Jan 27 06:20:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161728	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	632930	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	353186	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	584840	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	409121	20.00	ng	-0.01
86) Perylene-d12	15.64	264	318836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	582826	56.07	ng	0.01
7) Phenol-d6	6.59	99	512355	38.70	ng	0.00
23) Nitrobenzene-d5	7.54	82	1154631	99.65	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	320961	133.35	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1646738	86.22	ng	-0.01
78) Terphenyl-d14	13.12	244	1489256	96.93	ng	0.00

Target Compounds Qvalue

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

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Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

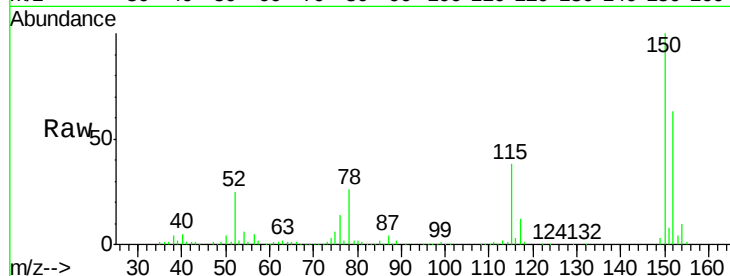
Tot Ion:152 Resp: 161728

Ion Ratio Lower Upper

152 100

150 159.1 124.9 187.3

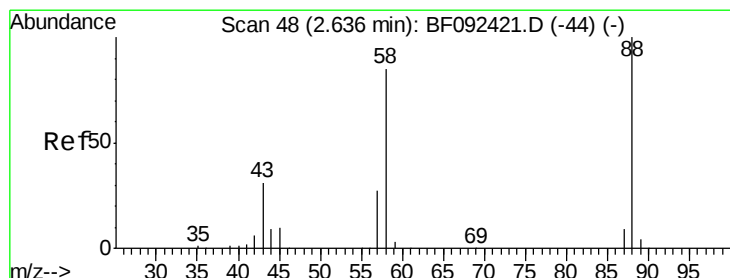
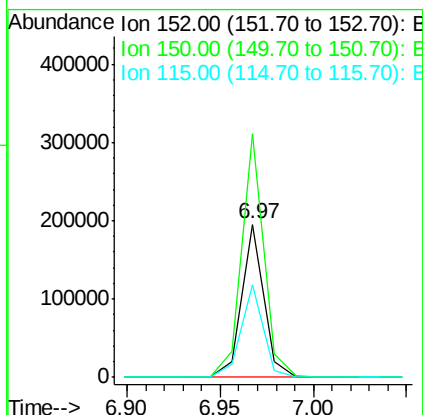
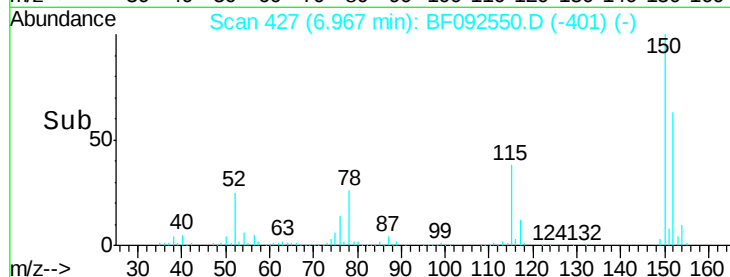
115 60.1 46.0 69.0



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



#2

1,4-Dioxane

Concen: 0.55 ng

RT: 2.66 min Scan# 50

Delta R.T. 0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

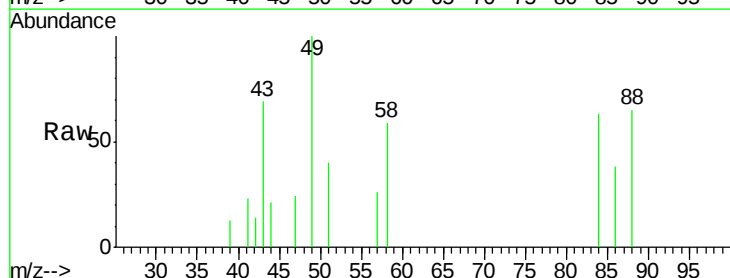
Tgt Ion: 88 Resp: 3025

Ion Ratio Lower Upper

88 100

58 112.3 57.8 86.8#

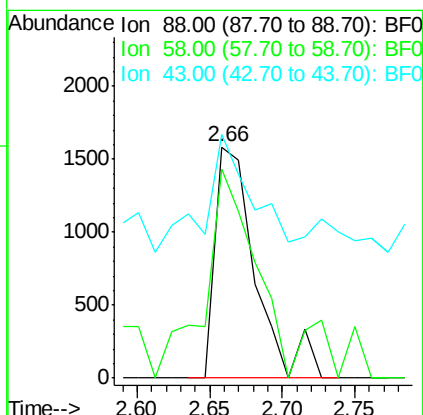
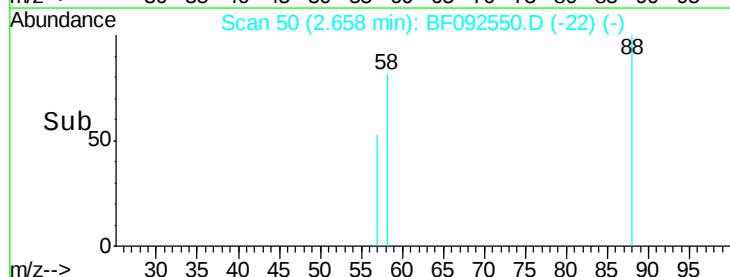
43 60.8 22.3 33.5#

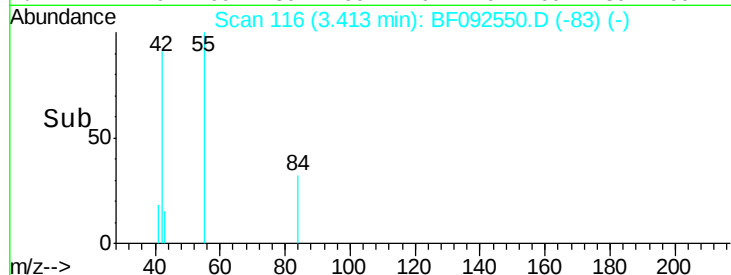
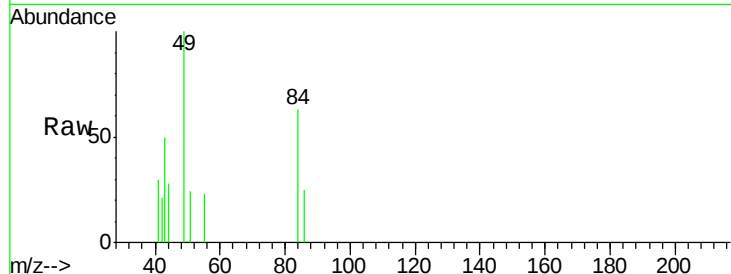
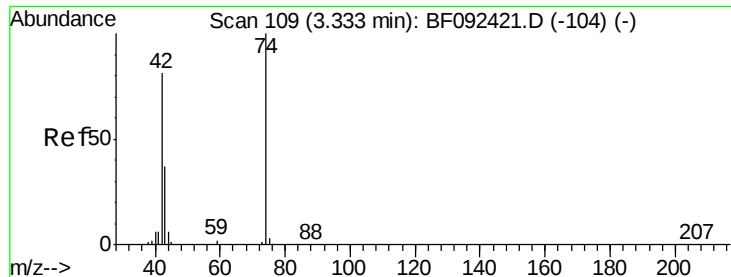


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.41 min Scan# 116

Delta R.T. 0.08 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

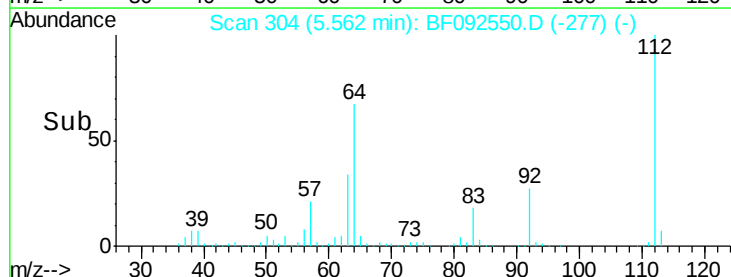
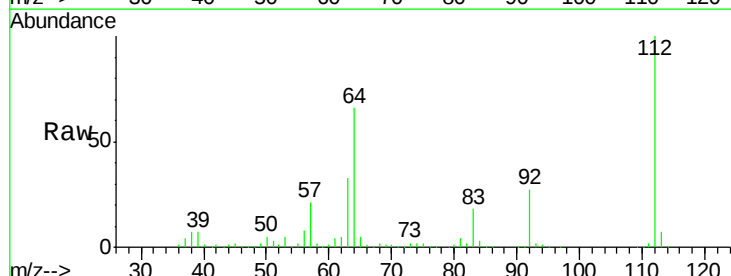
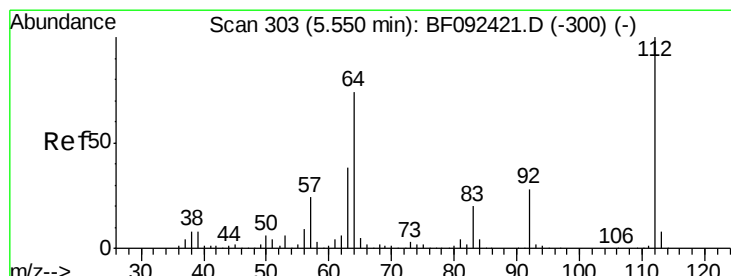
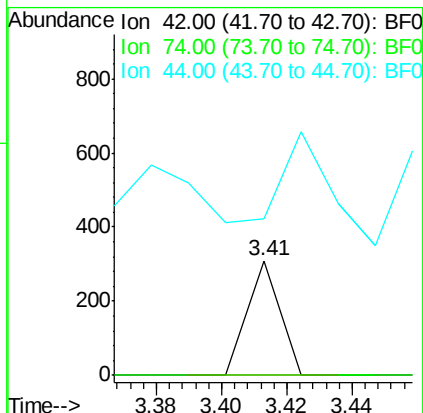
Tot Ion: 42 Resp: 212

Ion Ratio Lower Upper

42 100

74 0.0 117.0 175.4#

44 137.2 5.5 8.3#



#5

2-Fluorophenol

Concen: 56.07 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

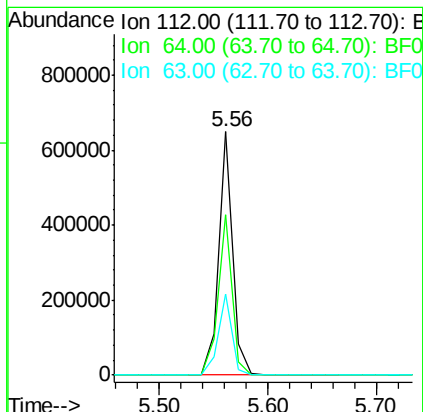
Tgt Ion: 112 Resp: 582826

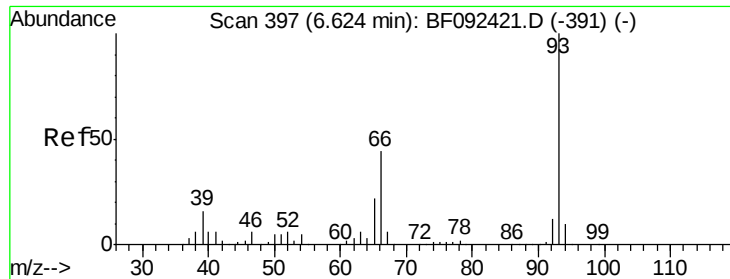
Ion Ratio Lower Upper

112 100

64 65.7 46.1 69.1

63 33.2 23.8 35.6





#6

Aniline

Concen: 0.04 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

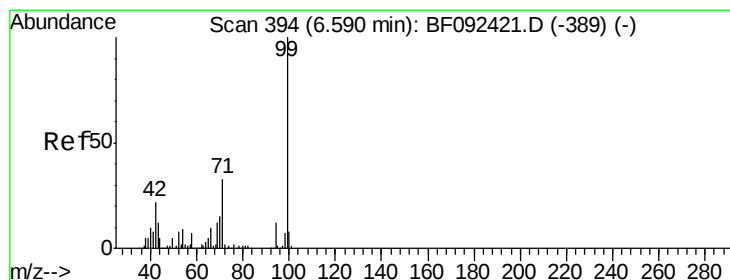
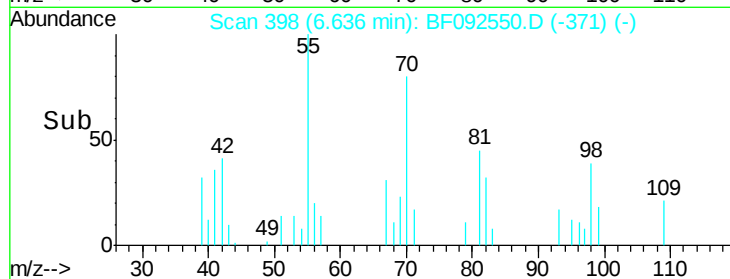
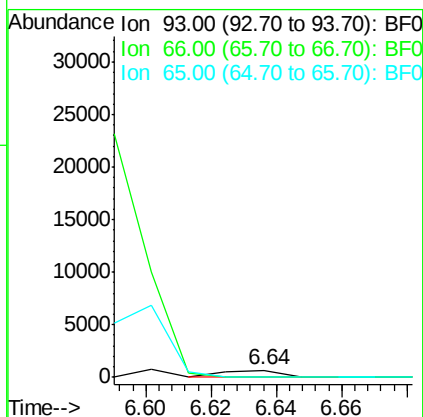
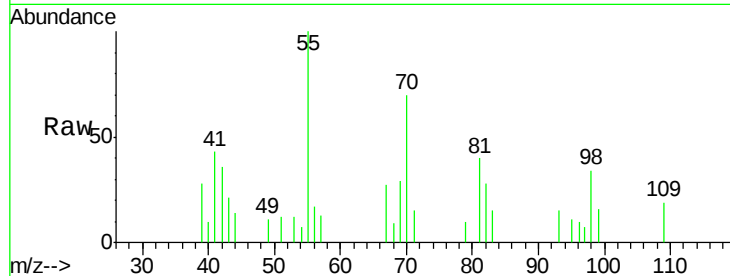
Tot Ion: 93 Resp: 861

Ion Ratio Lower Upper

93 100

66 0.0 76.2 114.2#

65 0.0 49.3 73.9#



#7

Phenol-d6

Concen: 38.70 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

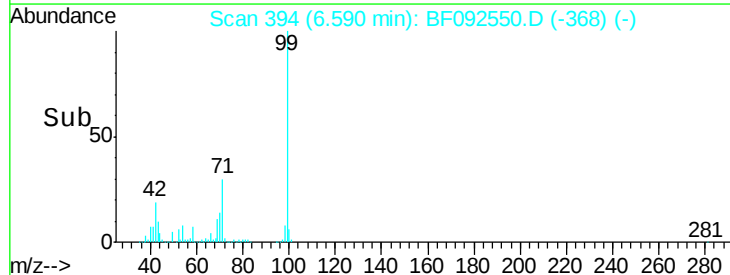
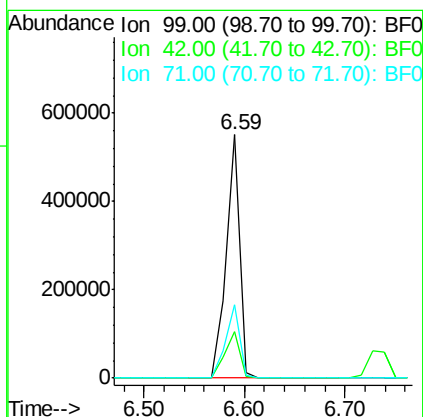
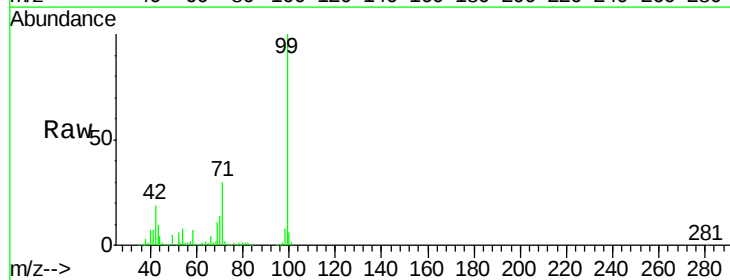
Tgt Ion: 99 Resp: 512355

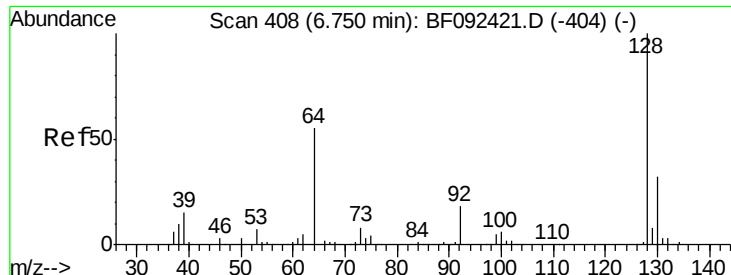
Ion Ratio Lower Upper

99 100

42 19.1 15.6 23.4

71 30.4 27.5 41.3





#8

2-Chlorophenol

Concen: 0.10 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

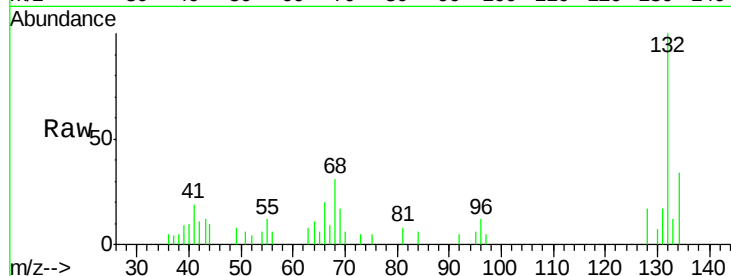
Tot Ion:128 Resp: 1125

Ion Ratio Lower Upper

128 100

130 43.2 12.3 52.3

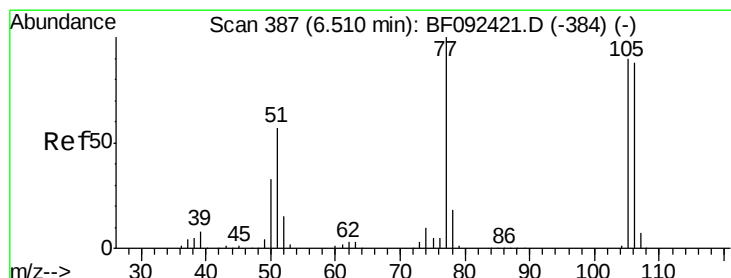
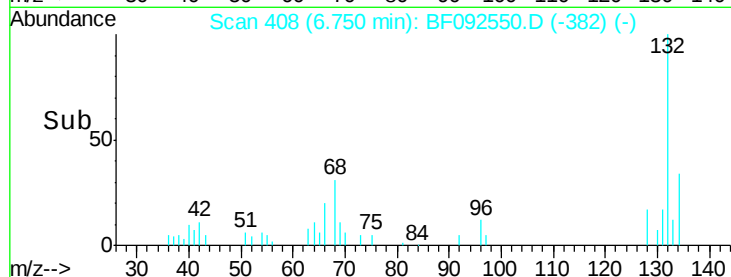
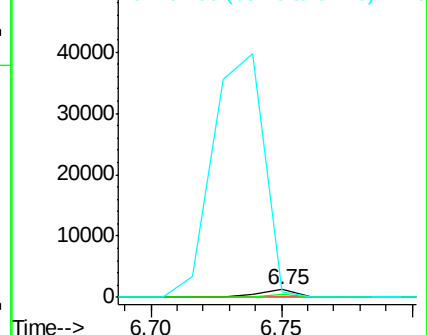
64 68.4 32.2 72.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 0.25 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

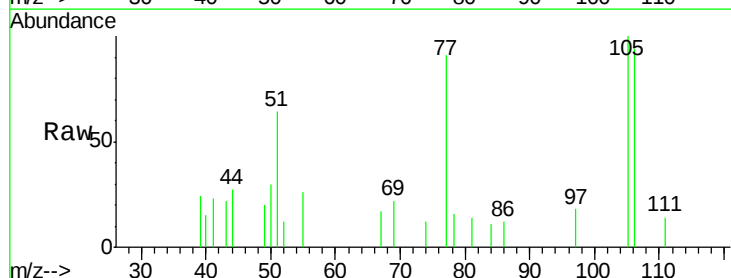
Tgt Ion: 77 Resp: 2343

Ion Ratio Lower Upper

77 100

105 109.4 83.9 123.9

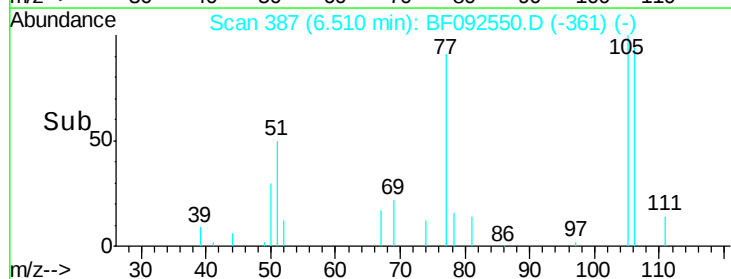
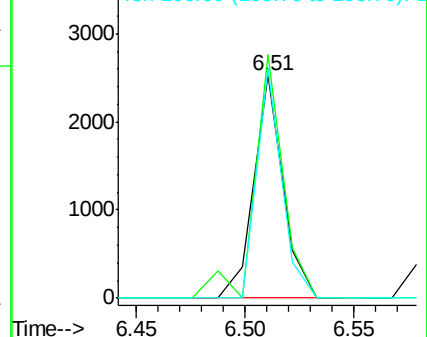
106 103.0 77.6 117.6

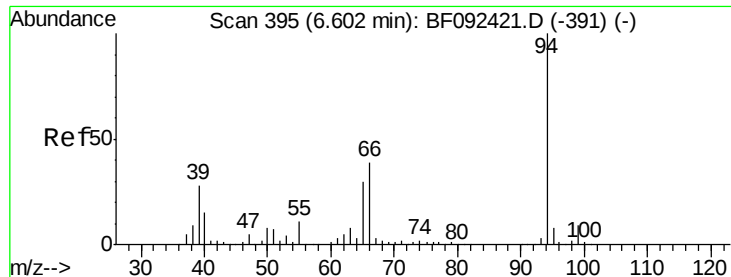


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.28 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

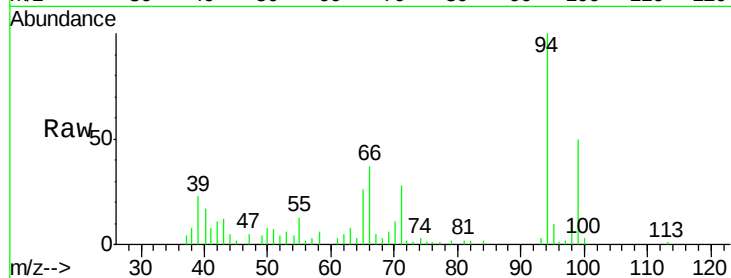
Tot Ion: 94 Resp: 20452

Ion Ratio Lower Upper

94 100

65 25.5 21.4 61.4

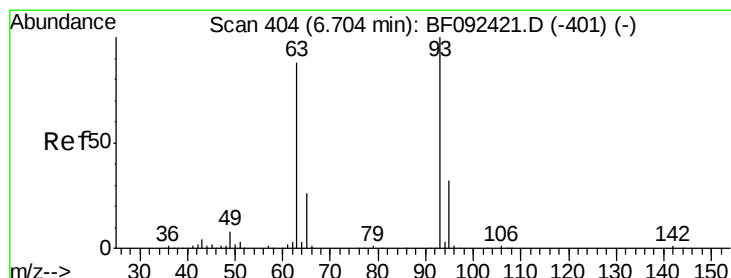
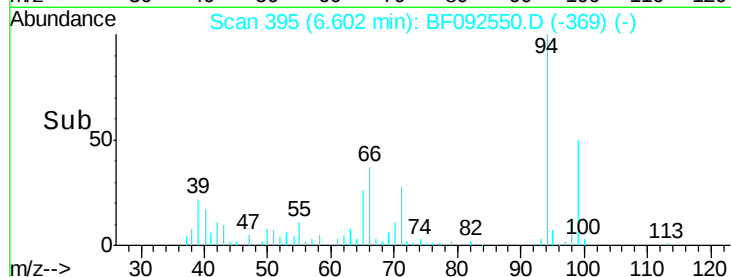
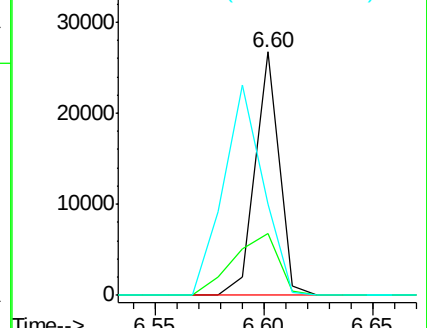
66 37.4 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.03 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

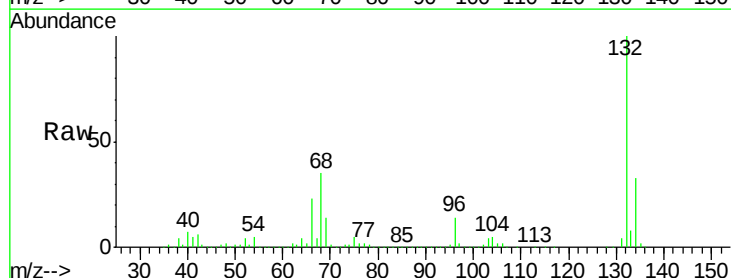
Tgt Ion: 93 Resp: 1808

Ion Ratio Lower Upper

93 100

63 619.8 60.4 100.4#

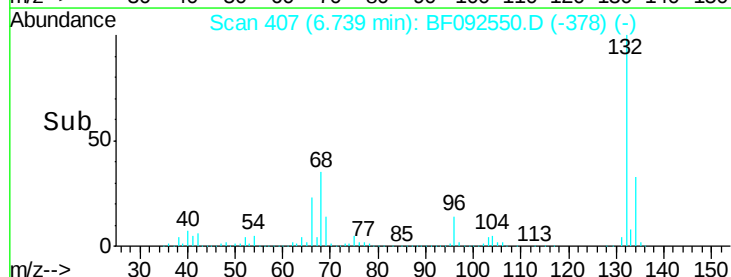
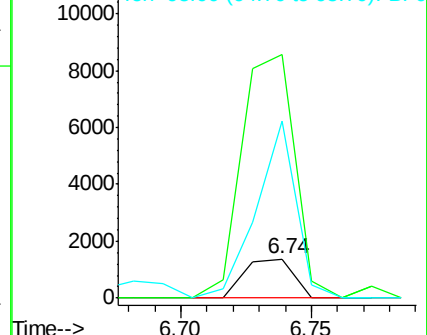
95 449.3 12.8 52.8#

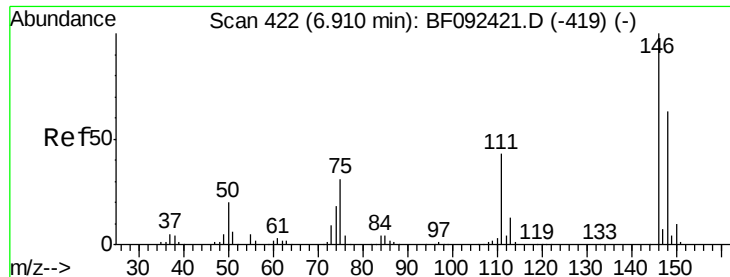


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

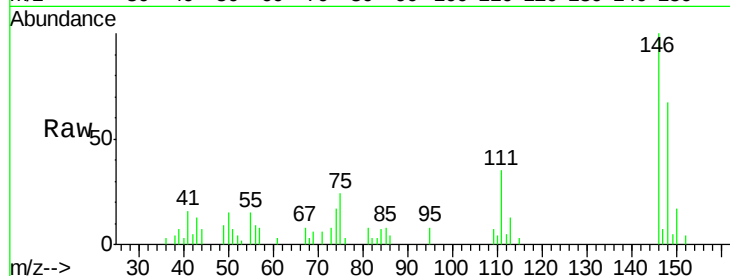




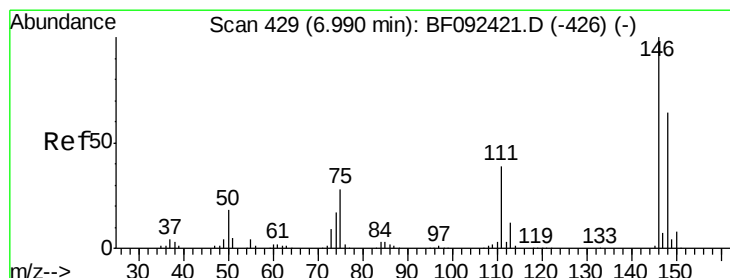
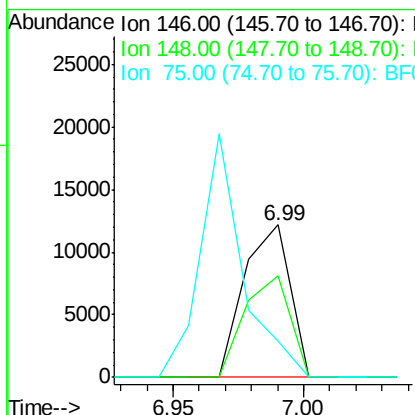
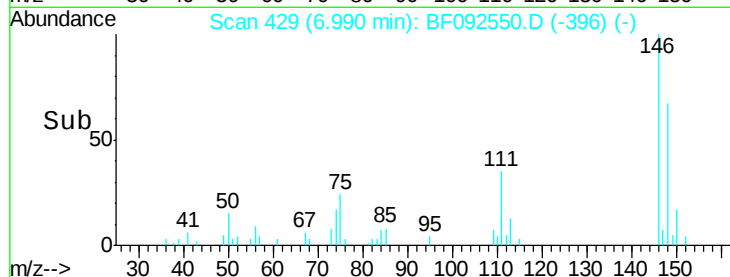
#12
 1,3-Dichlorobenzene
 Concen: 1.15 ng
 RT: 6.99 min Scan# 429
 Delta R.T. 0.08 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Instrument :
 BNA_F
 ClientSampled :
 W-44

Tot Ion:146 Resp: 14834
 Ion Ratio Lower Upper
 146 100
 148 66.8 53.4 80.0
 75 23.7 18.5 27.7

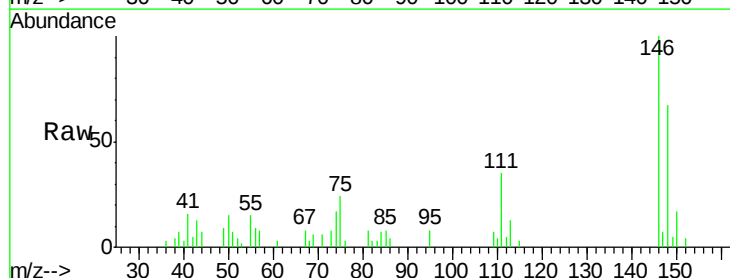


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

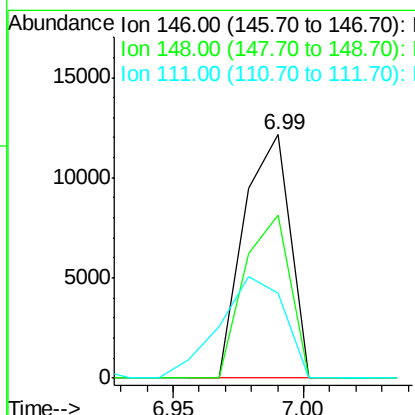
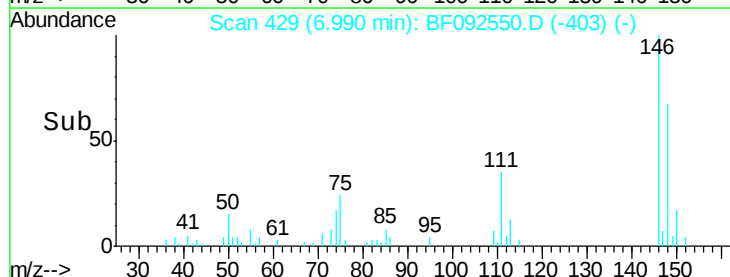


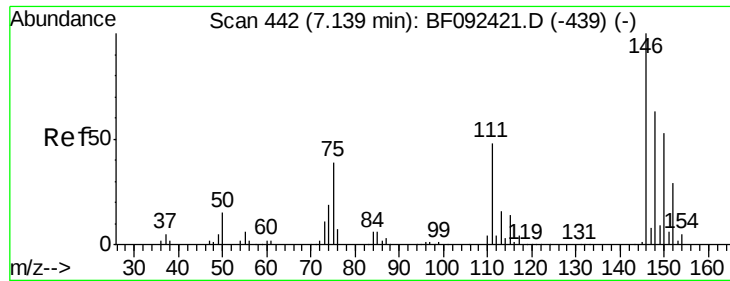
#13
 1,4-Dichlorobenzene
 Concen: 1.14 ng
 RT: 6.99 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Tgt Ion:146 Resp: 14834
 Ion Ratio Lower Upper
 146 100
 148 66.8 50.6 76.0
 111 35.1 36.2 54.4#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.14 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

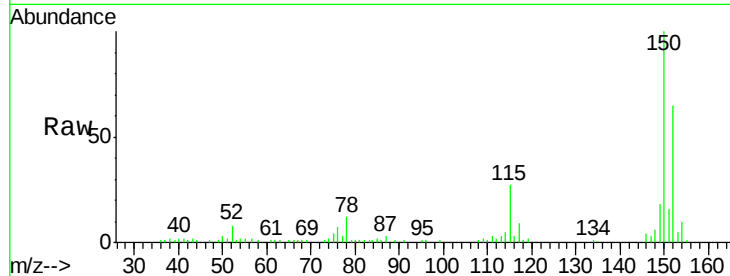
Tot Ion:146 Resp: 1730

Ion Ratio Lower Upper

146 100

148 174.8 52.2 78.2#

111 75.0 36.2 54.2#

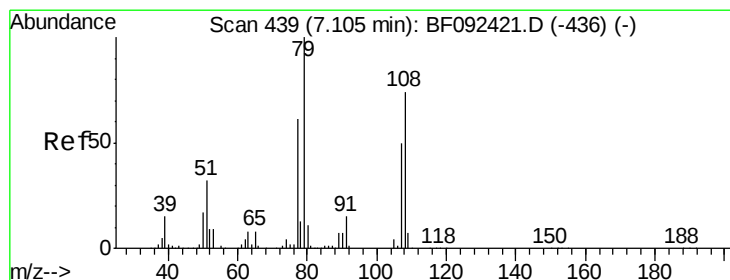
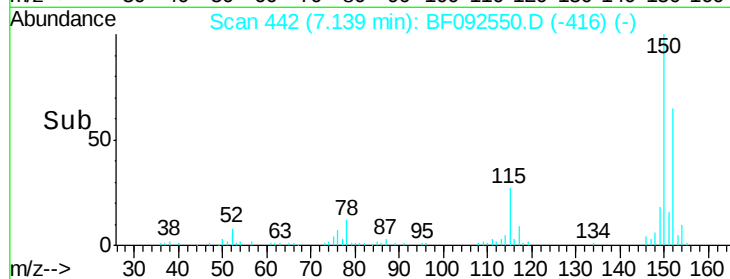
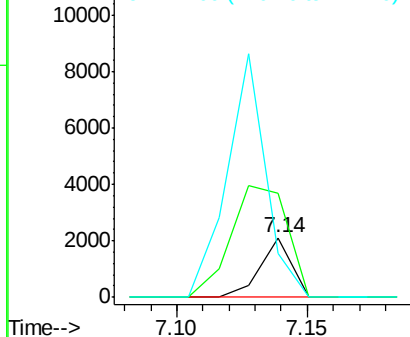


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.80 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

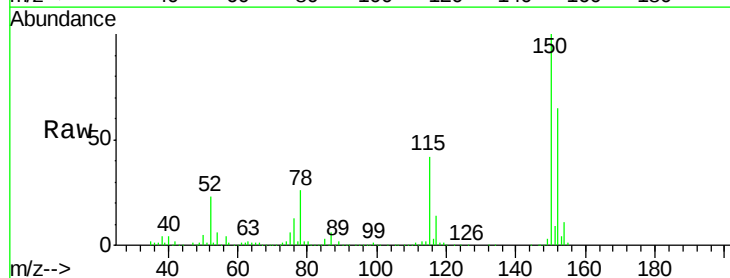
Tgt Ion: 79 Resp: 17947

Ion Ratio Lower Upper

79 100

108 28.0 61.4 92.0#

77 126.3 50.9 76.3#

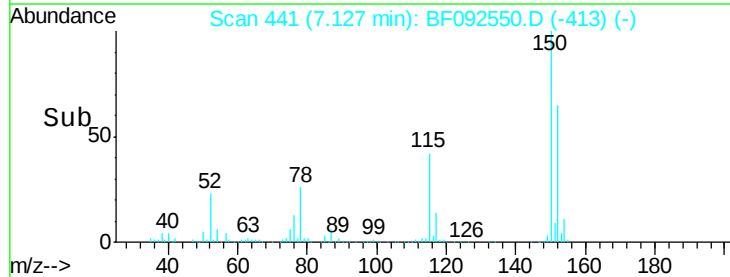
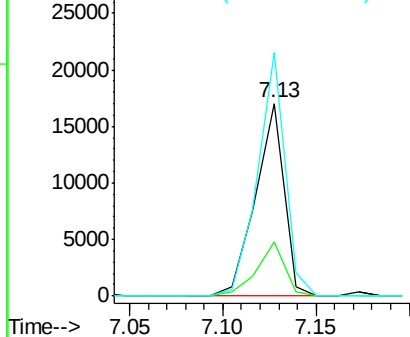


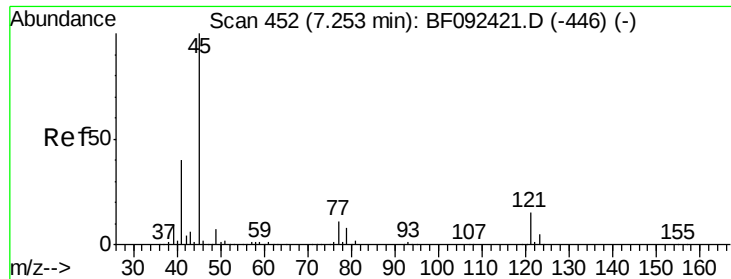
Abundance

Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

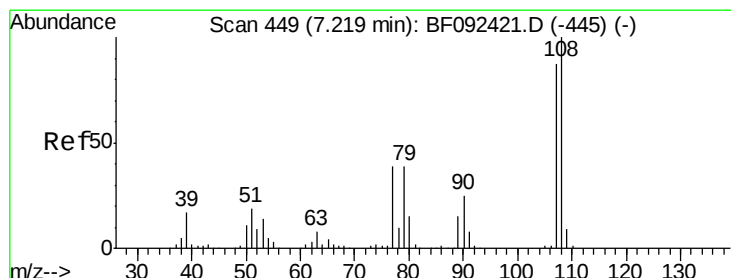
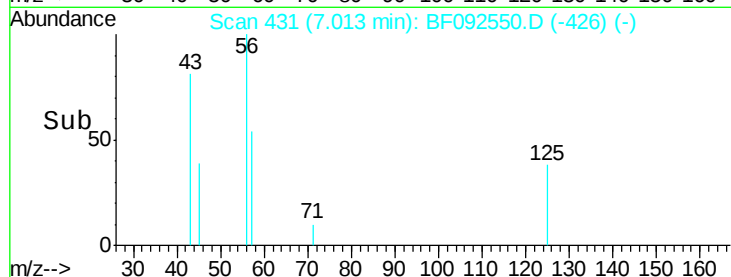
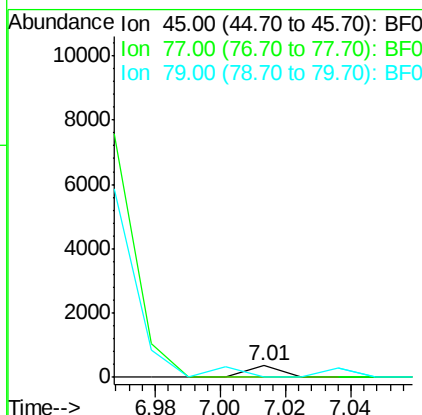
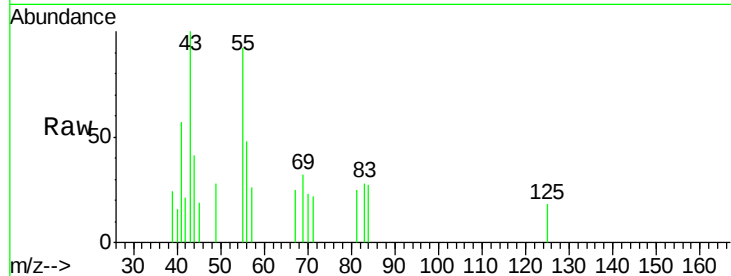




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.01 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.24 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

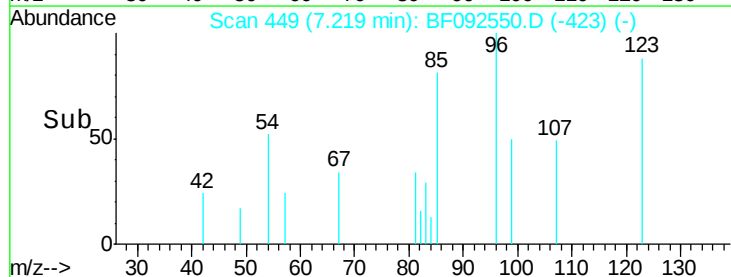
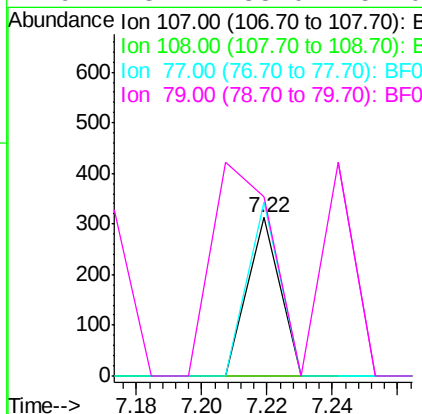
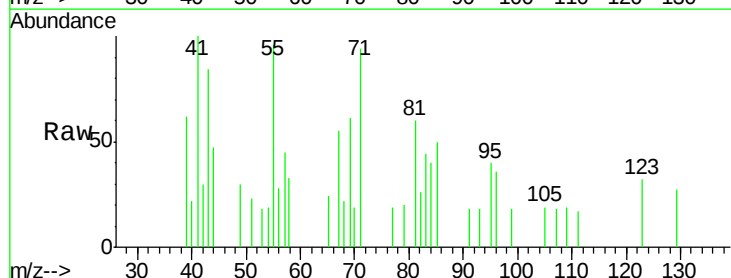
Instrument :
BNA_F
ClientSampleId :
W-44

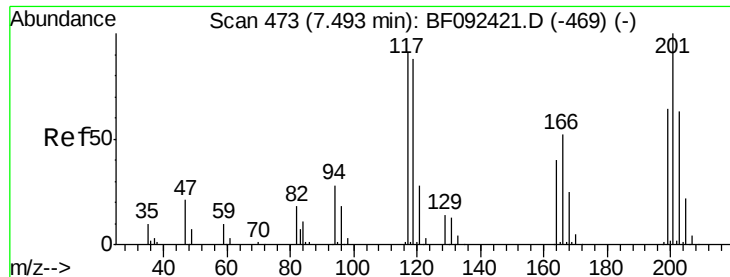
Tot Ion: 45 Resp: 244
Ion Ratio Lower Upper
45 100
77 0.0 0.0 34.6
79 0.0 0.0 31.2



#17
2-Methylphenol
Concen: 0.02 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion: 107 Resp: 215
Ion Ratio Lower Upper
107 100
108 0.0 93.0 139.6#
77 109.6 39.8 59.8#
79 113.4 38.0 57.0#

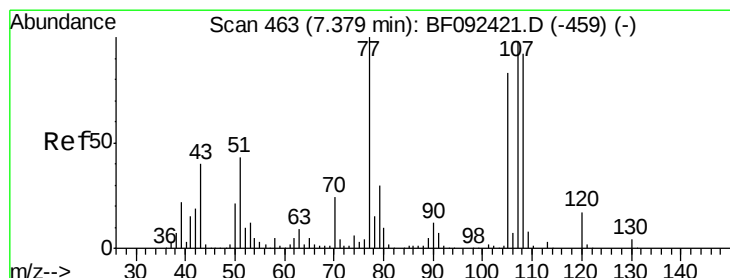
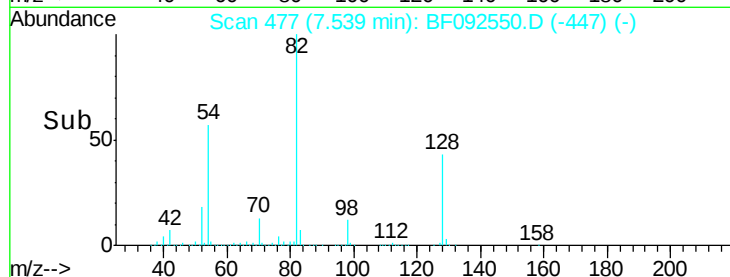
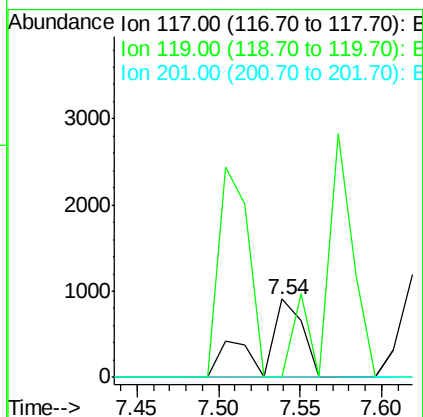
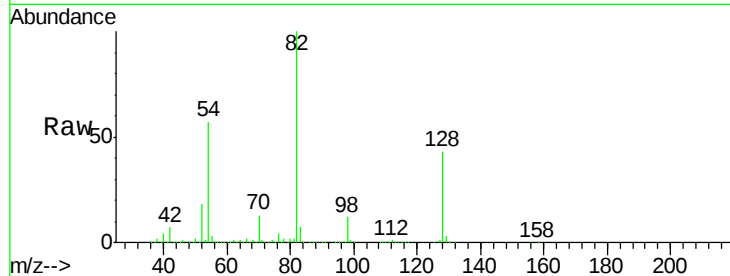




#18
Hexachloroethane
Concen: 0.36 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.05 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

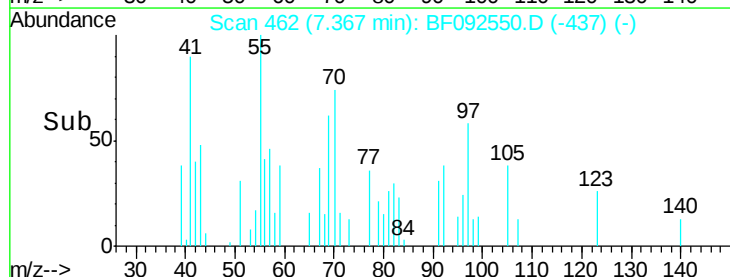
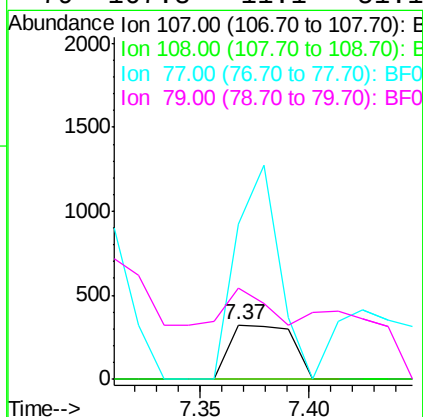
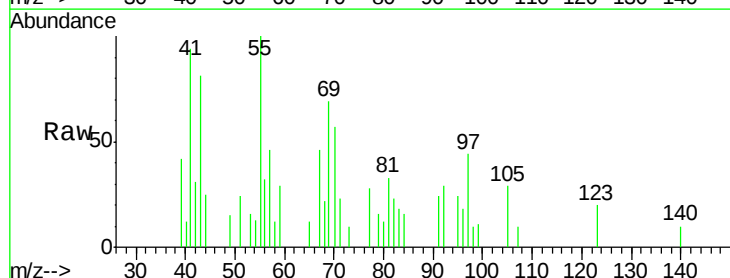
Instrument :
BNA_F
ClientSampled :
W-44

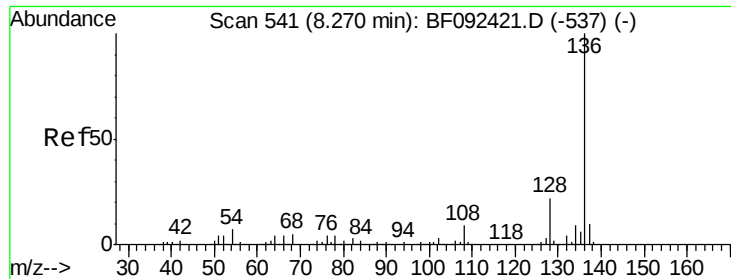
Tot Ion:117 Resp: 1618
Ion Ratio Lower Upper
117 100
119 0.0 78.1 117.1#
201 0.0 78.6 117.8#



#20
3+4-Methylphenols
Concen: 0.06 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:107 Resp: 641
Ion Ratio Lower Upper
107 100
108 0.0 73.0 113.0#
77 285.8 71.3 111.3#
79 167.8 11.1 51.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

Tot Ion:136 Resp: 632930

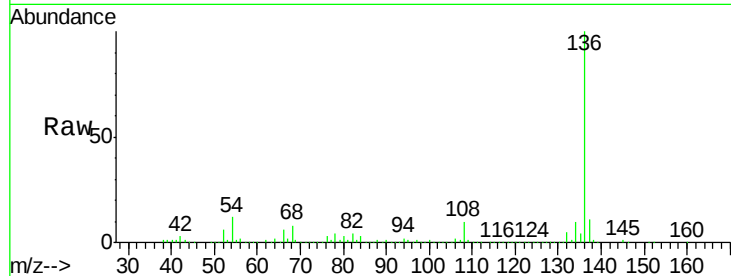
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 11.7 4.5 6.7#

68 8.4 3.6 5.4#

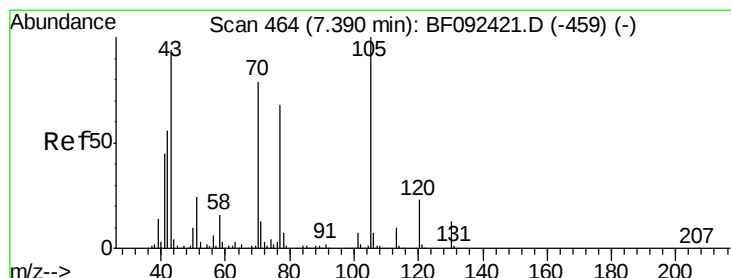
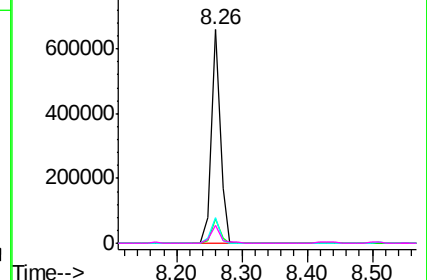
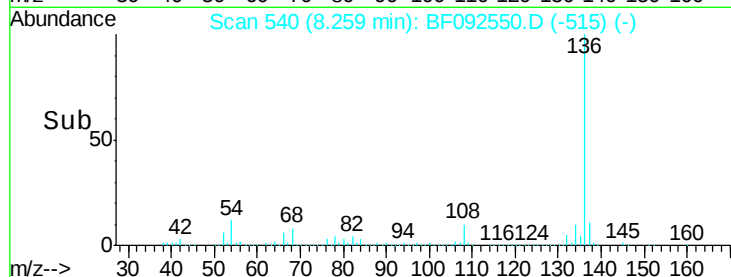


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.11 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Tgt Ion:105 Resp: 1694

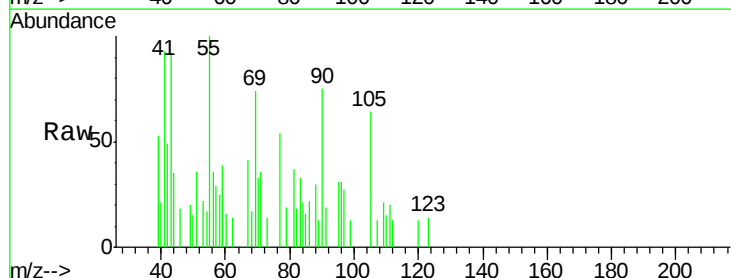
Ion Ratio Lower Upper

105 100

71 56.0 3.2 4.8#

51 55.6 26.2 39.4#

120 20.8 16.6 24.8

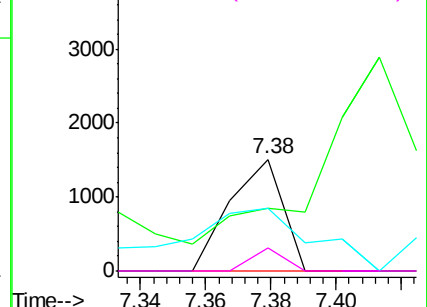
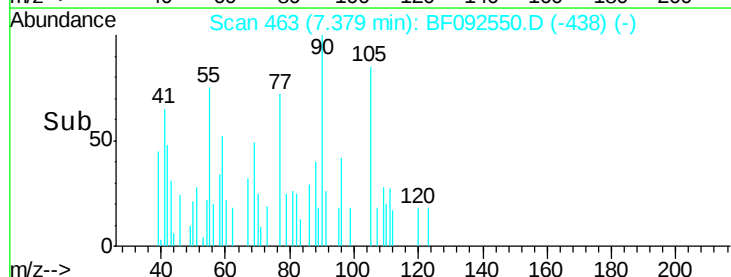


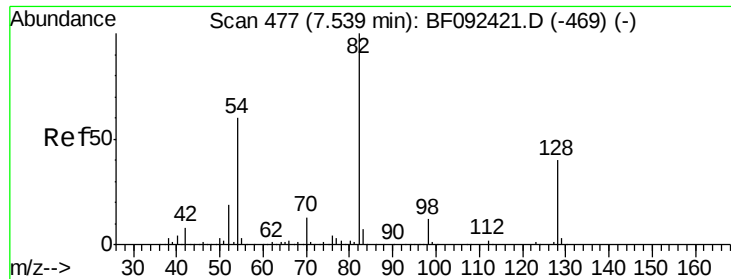
Abundance Ion 105.00 (104.70 to 105.70): E

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

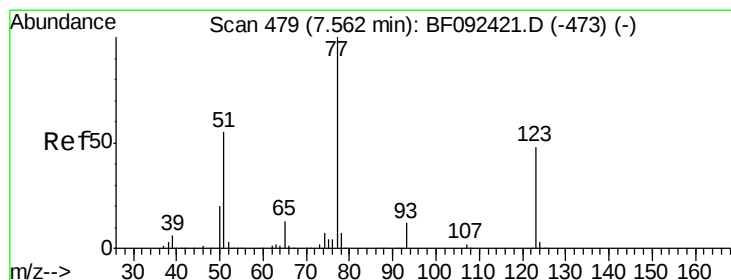
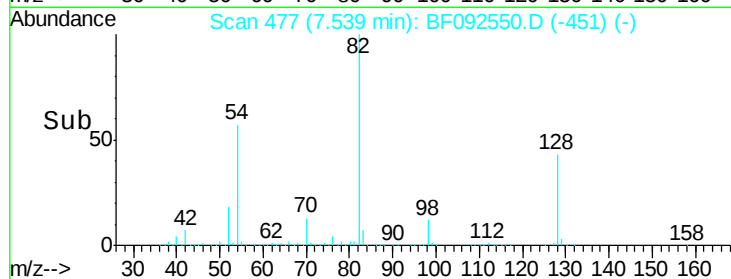
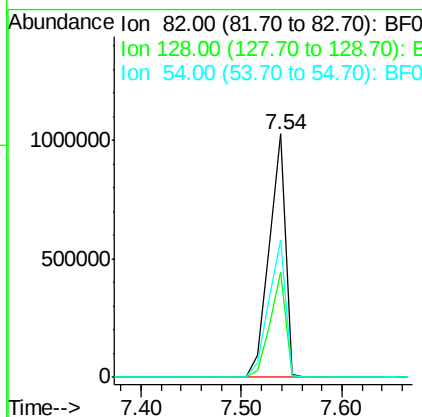
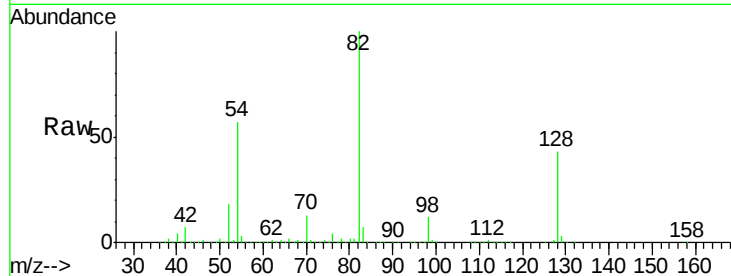




#23
 Nitrobenzene-d5
 Concen: 99.65 ng
 RT: 7.54 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

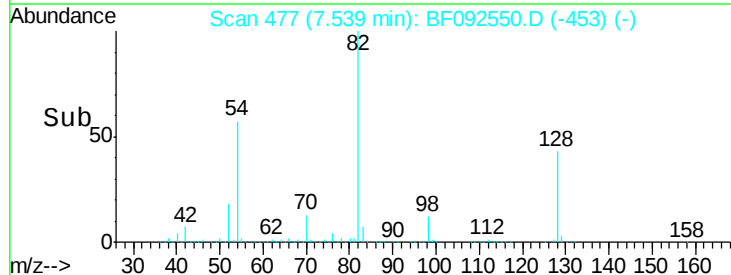
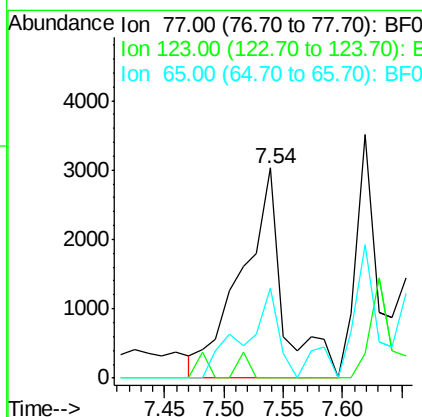
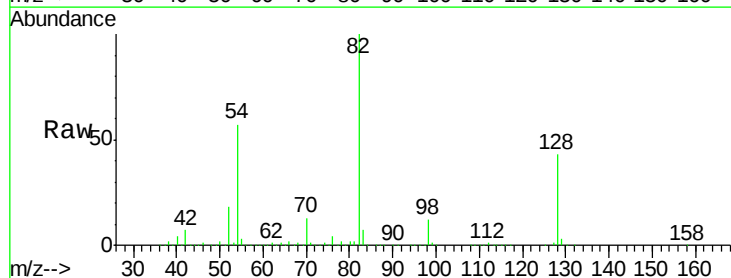
Instrument :
 BNA_F
 ClientSampleId :
 W-44

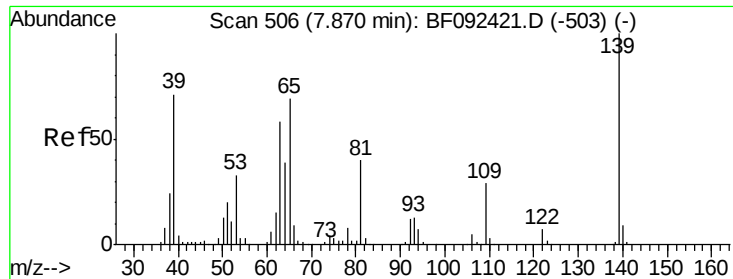
Tot Ion: 82 Resp: 1154631
 Ion Ratio Lower Upper
 82 100
 128 43.5 34.6 52.0
 54 56.6 39.5 59.3



#24
 Nitrobenzene
 Concen: 0.61 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Tgt Ion: 77 Resp: 7428
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 42.9 11.2 16.8#





#26

2-Nitrophenol

Concen: 0.10 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.06 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

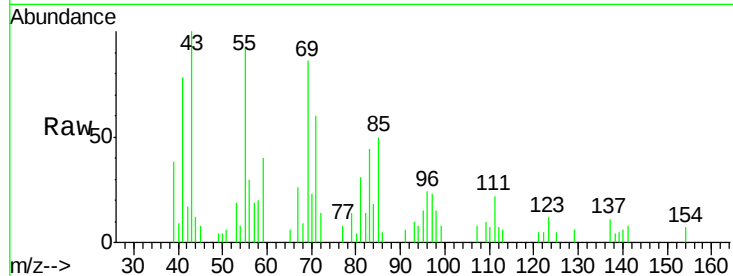
Tot Ion:139 Resp: 534

Ion Ratio Lower Upper

139 100

109 180.6 23.3 34.9#

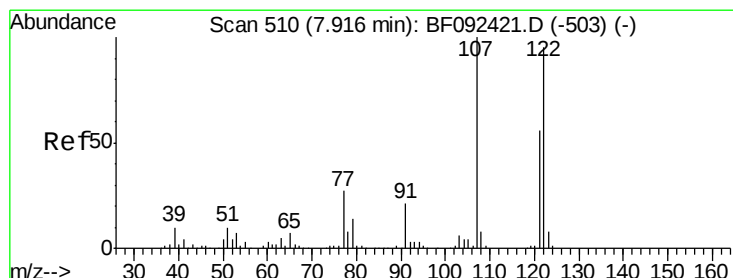
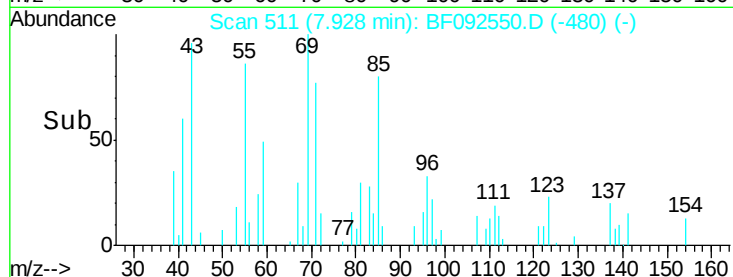
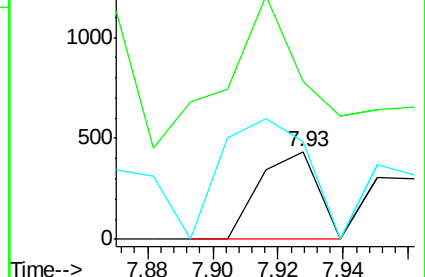
65 111.8 42.7 64.1#



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



#27

2,4-Dimethylphenol

Concen: 0.13 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

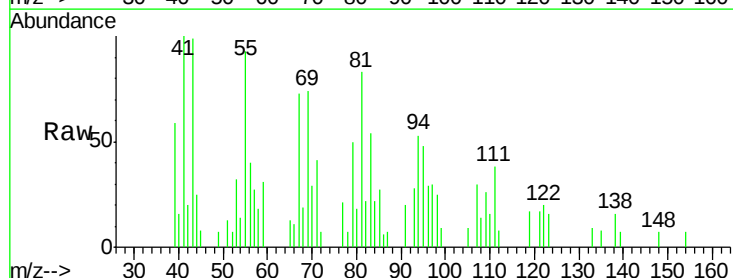
Tgt Ion:122 Resp: 1364

Ion Ratio Lower Upper

122 100

107 152.5 94.1 141.1#

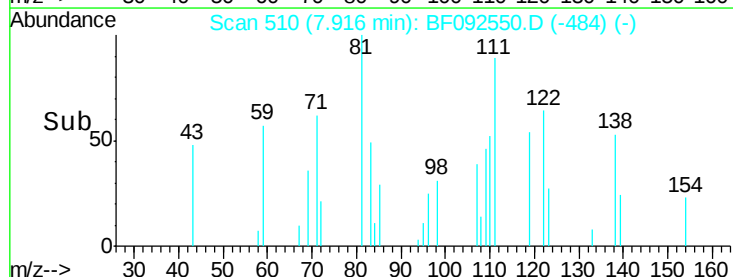
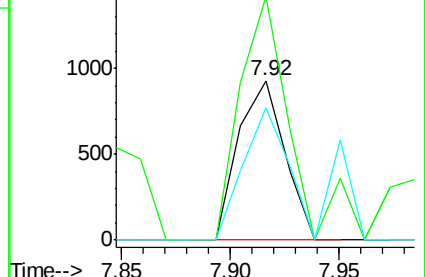
121 83.1 46.0 69.0#

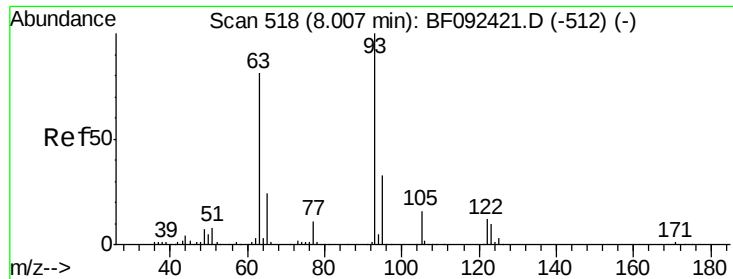


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 0.03 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

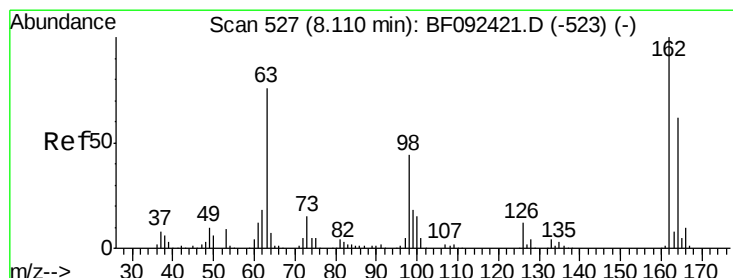
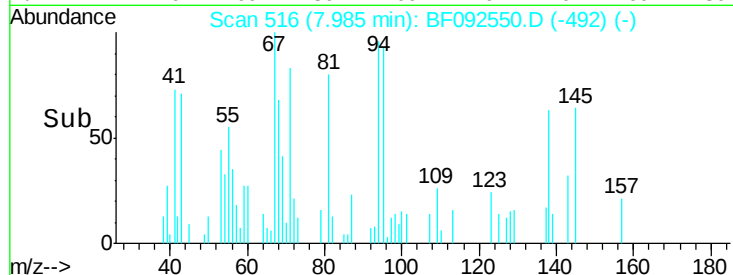
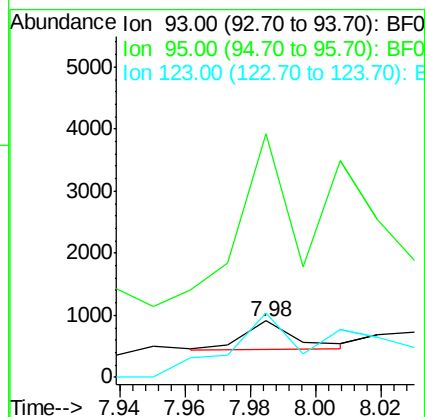
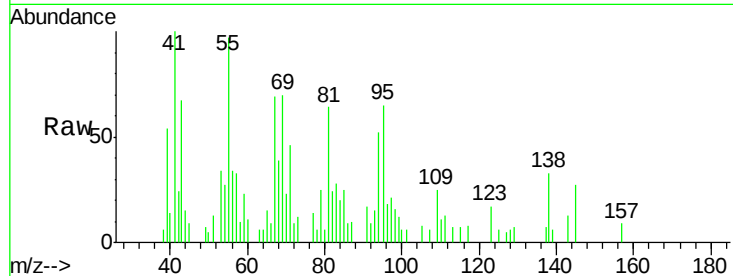
Tot Ion: 93 Resp: 517

Ion Ratio Lower Upper

93 100

95 431.6 26.5 39.7#

123 113.1 8.6 13.0#



#29

2,4-Dichlorophenol

Concen: 0.10 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

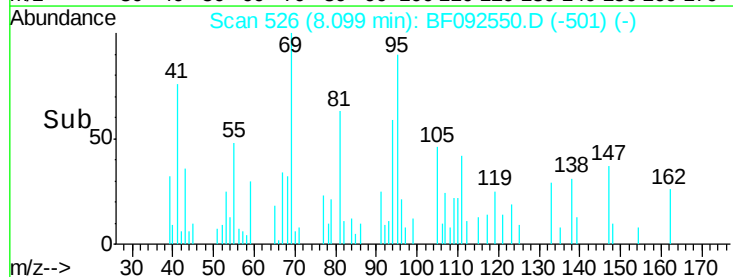
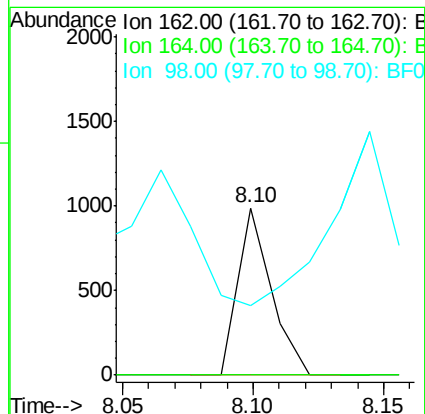
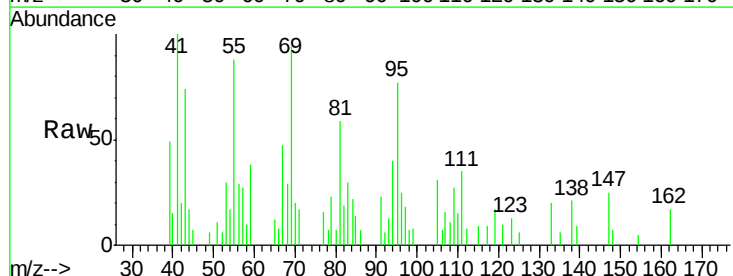
Tgt Ion: 162 Resp: 887

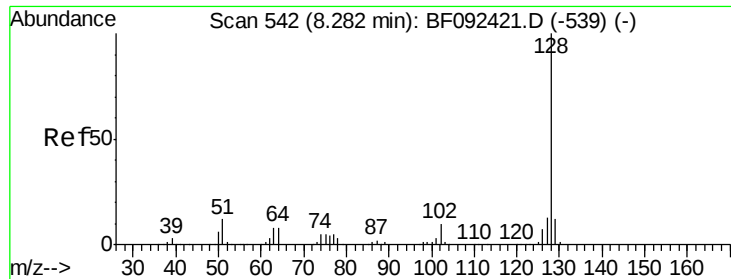
Ion Ratio Lower Upper

162 100

164 0.0 46.8 86.8#

98 41.7 9.1 49.1

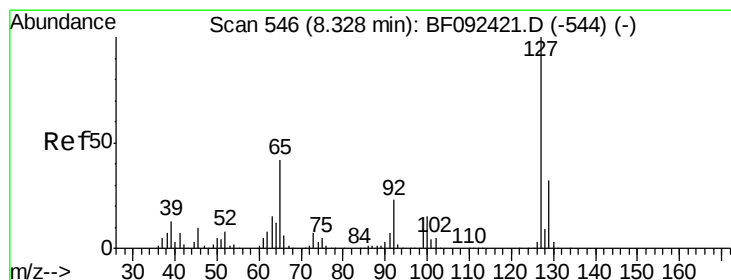
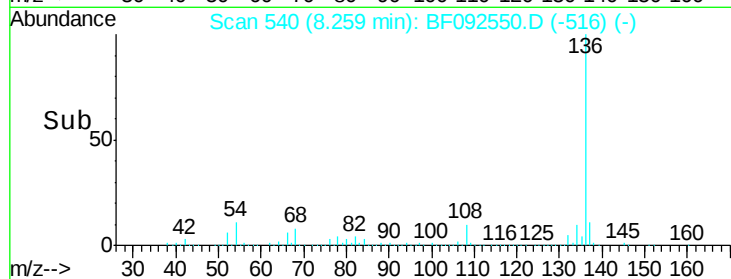
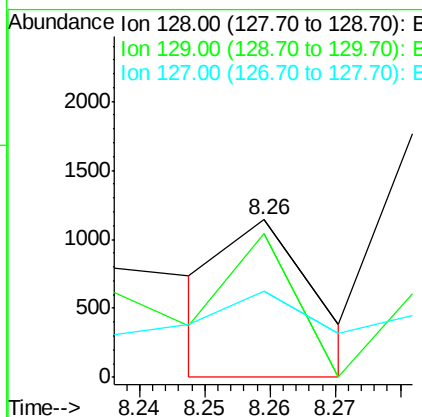
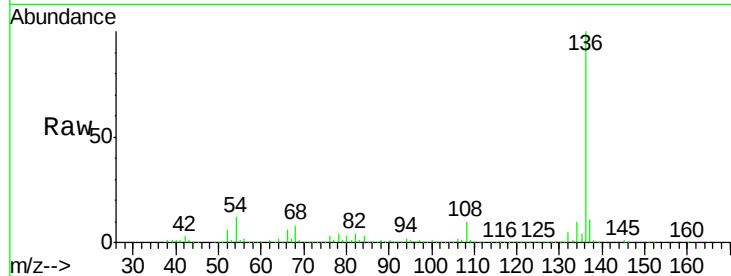




#31
Naphthalene
Concen: 0.03 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.02 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

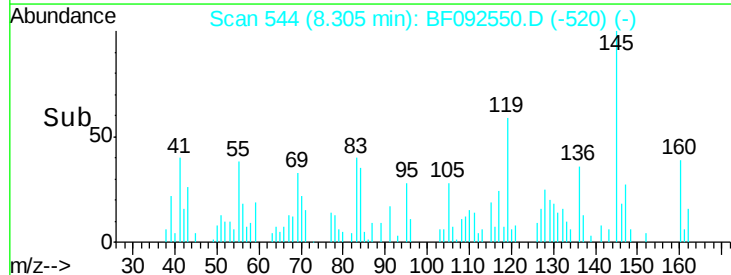
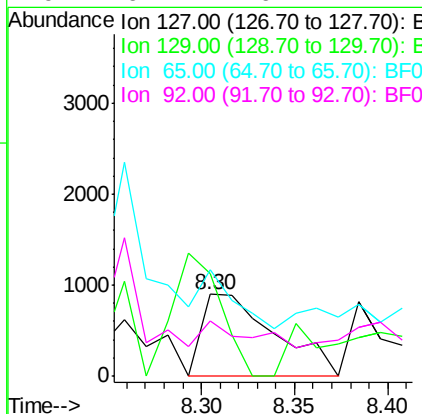
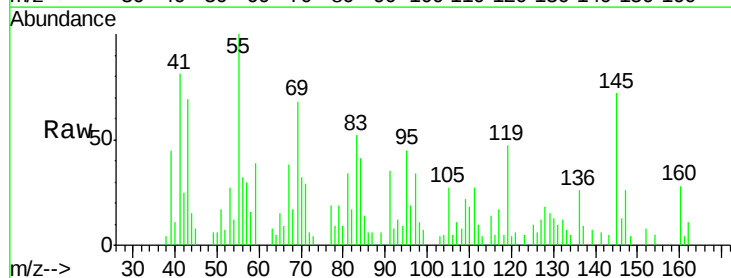
Instrument :
BNA_F
ClientSampleId :
W-44

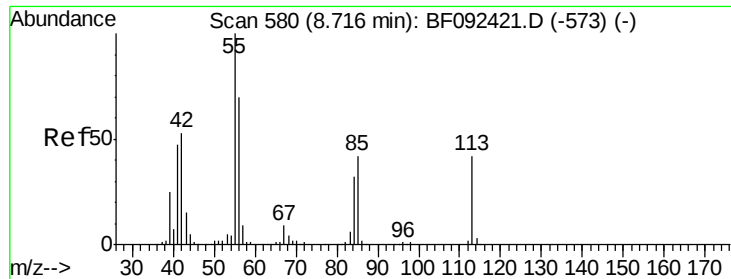
Tot Ion:128 Resp: 1043
Ion Ratio Lower Upper
128 100
129 91.2 9.5 14.3#
127 54.3 10.8 16.2#



#33
4-Chloroaniline
Concen: 0.18 ng
RT: 8.30 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:127 Resp: 2445
Ion Ratio Lower Upper
127 100
129 125.4 26.3 39.5#
65 130.2 25.8 38.8#
92 67.1 16.1 24.1#





#35

Caprolactam

Concen: 0.92 ng

RT: 8.74 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

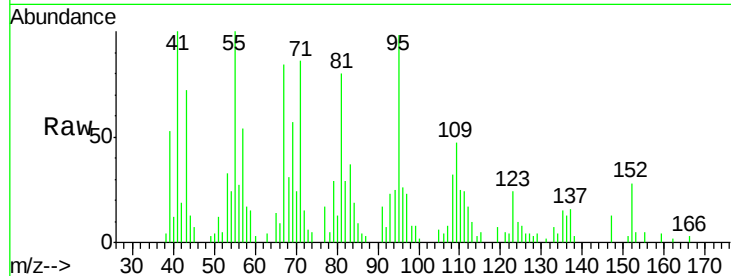
Tot Ion:113 Resp: 2815

Ion Ratio Lower Upper

113 100

55 1027.4 119.2 159.2#

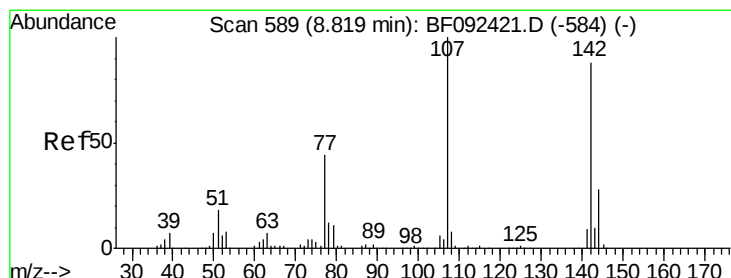
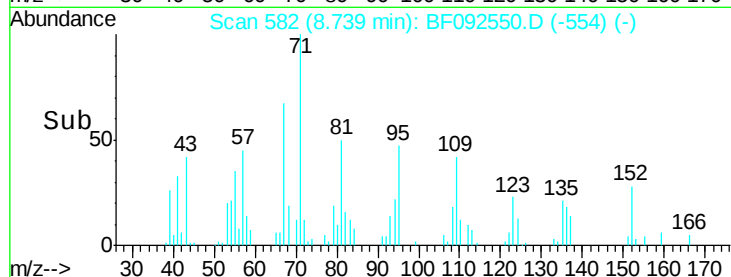
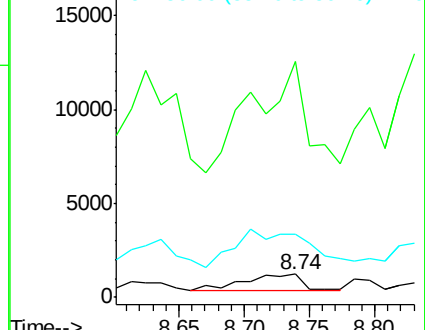
56 275.3 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 0.29 ng

RT: 8.82 min Scan# 589

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

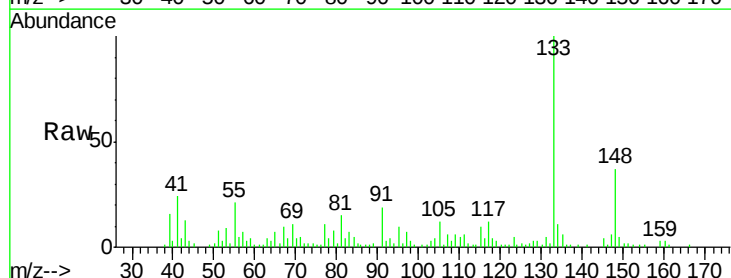
Tgt Ion:107 Resp: 2887

Ion Ratio Lower Upper

107 100

144 0.0 19.3 28.9#

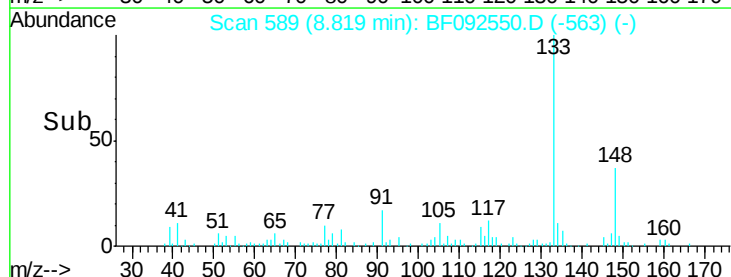
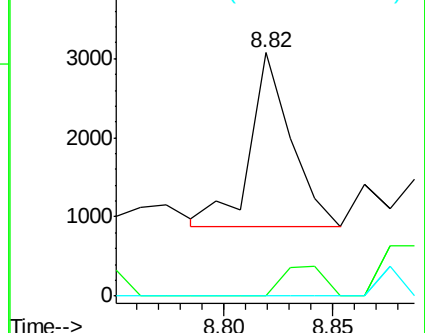
142 0.0 59.0 88.6#

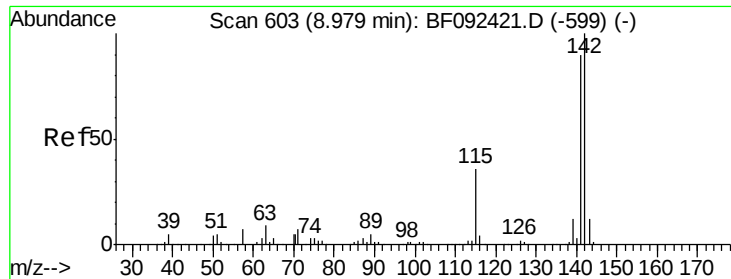


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

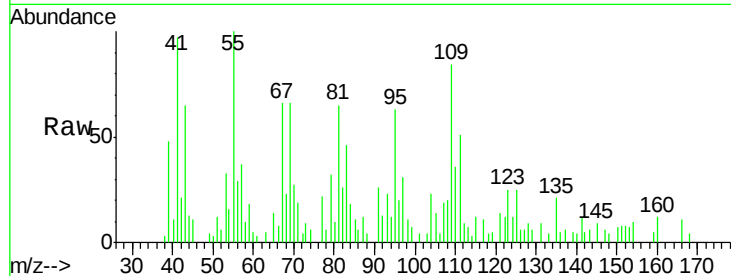




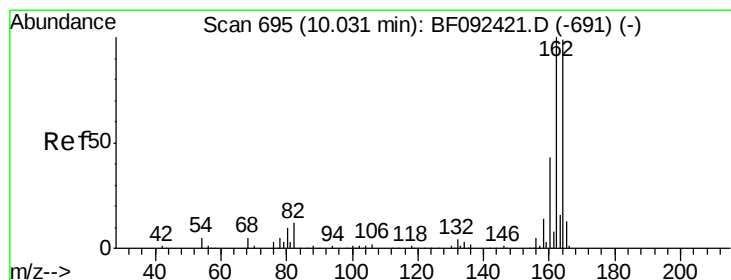
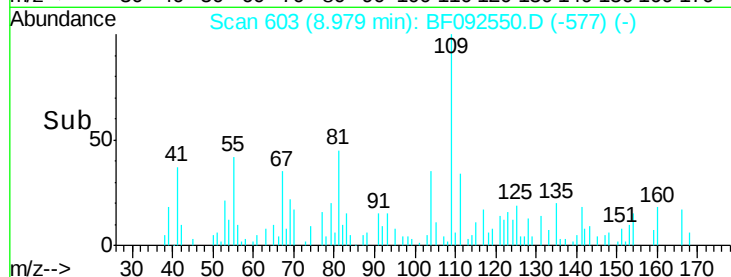
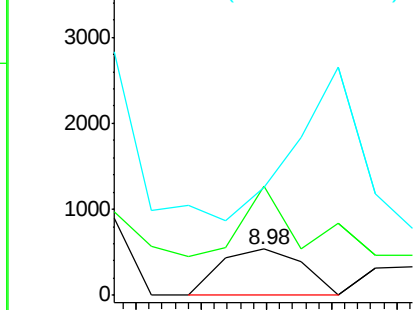
#37
2-Methylnaphthalene
Concen: 0.05 ng
RT: 8.98 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Instrument :
BNA_F
ClientSampleId :
W-44

Tot Ion:142 Resp: 940
Ion Ratio Lower Upper
142 100
141 237.4 71.0 106.6#
115 234.3 28.3 42.5#

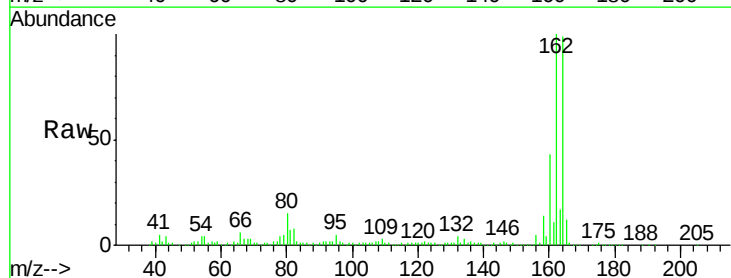


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

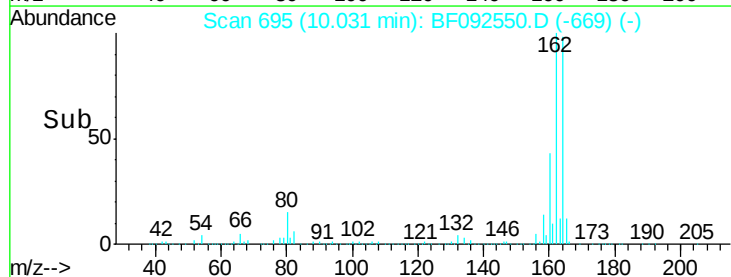
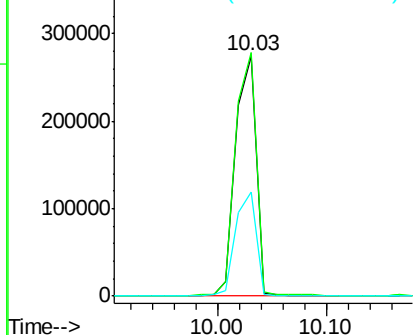


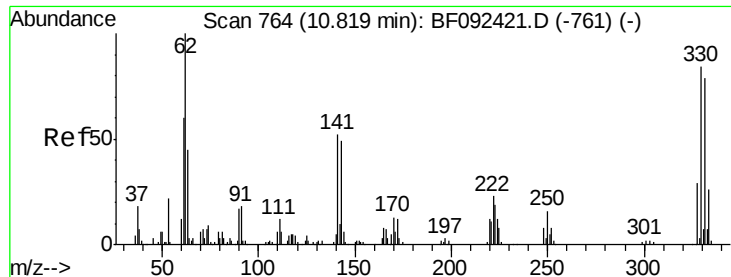
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:164 Resp: 353186
Ion Ratio Lower Upper
164 100
162 101.4 80.2 120.2
160 43.1 36.9 55.3



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: 133.35 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

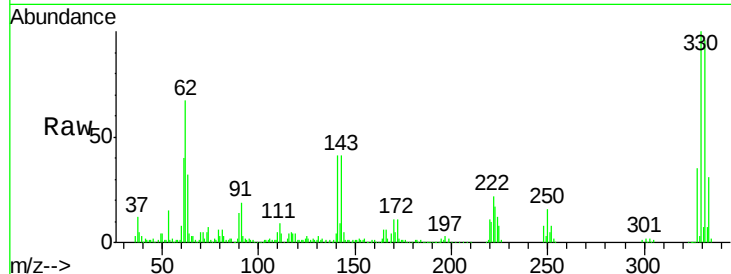
Tot Ion:330 Resp: 320961

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

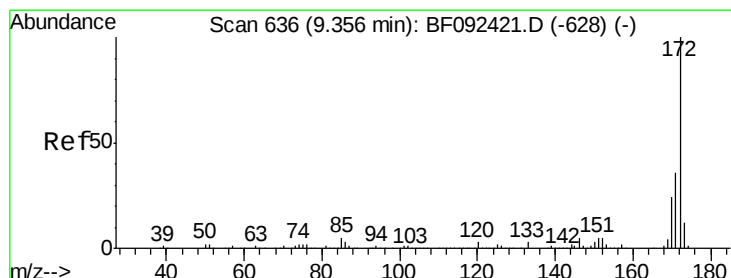
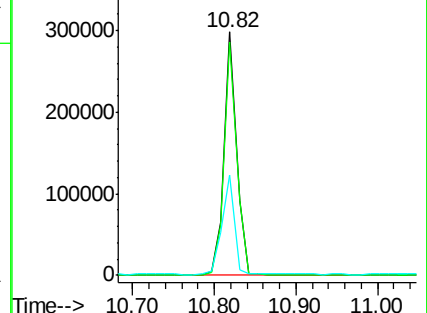
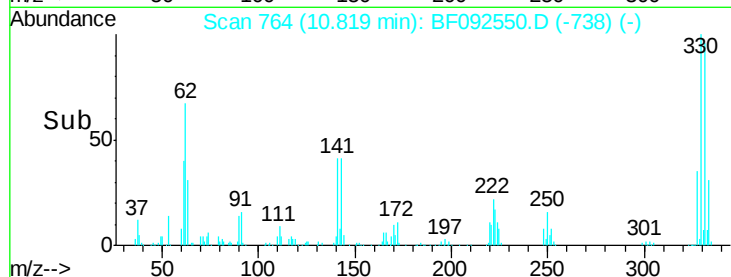
141 39.9 34.1 51.1



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: 86.22 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

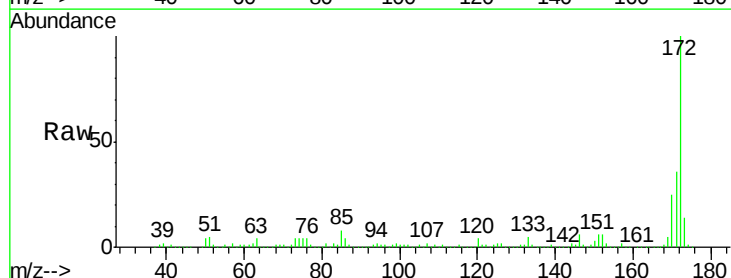
Tgt Ion:172 Resp: 1646738

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

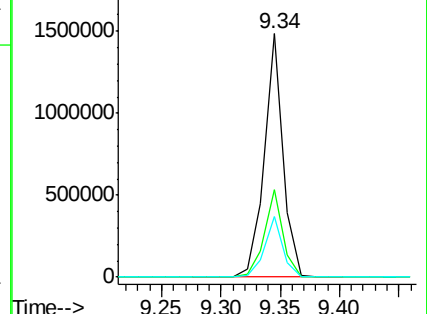
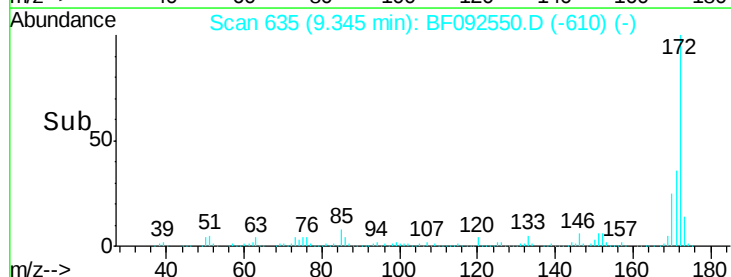
170 24.8 20.2 30.4

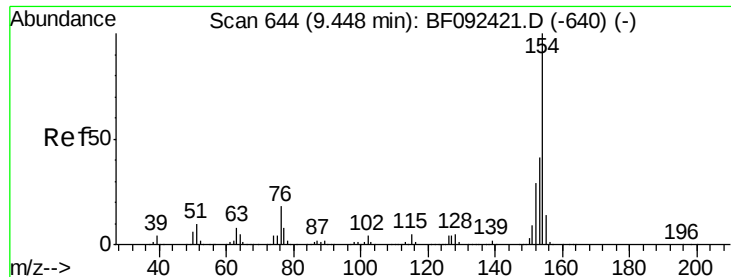


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.18 ng

RT: 9.45 min Scan# 644

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

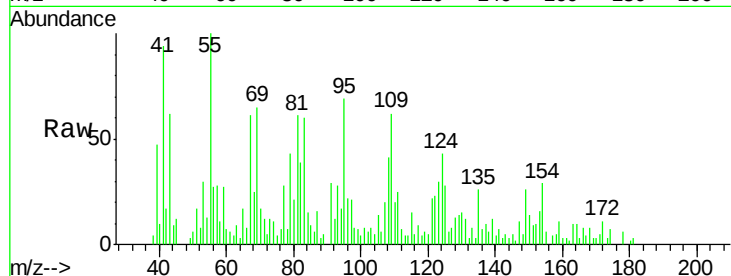
Tot Ion:154 Resp: 4687

Ion Ratio Lower Upper

154 100

153 54.8 20.9 60.9

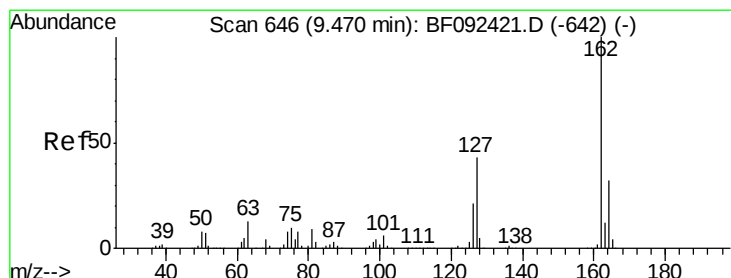
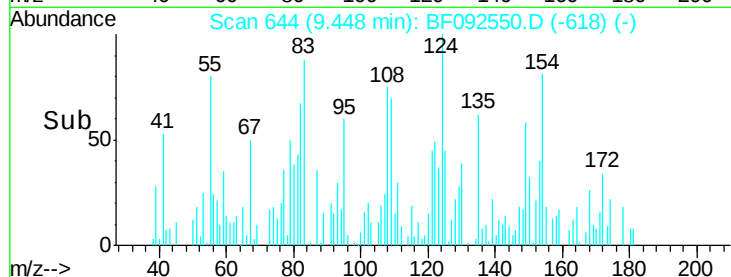
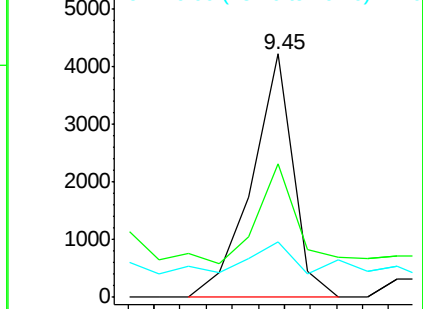
76 22.8 0.0 30.5



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: 0.28 ng

RT: 9.47 min Scan# 646

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

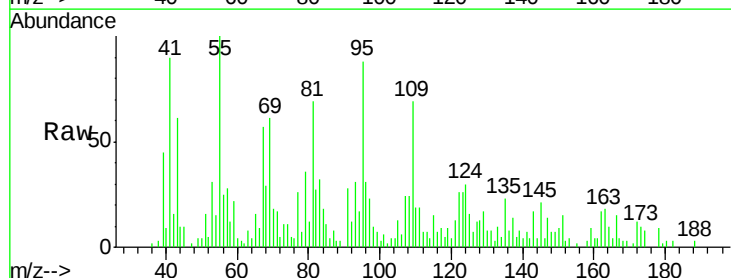
Tgt Ion:162 Resp: 5902

Ion Ratio Lower Upper

162 100

127 74.9 30.7 46.1#

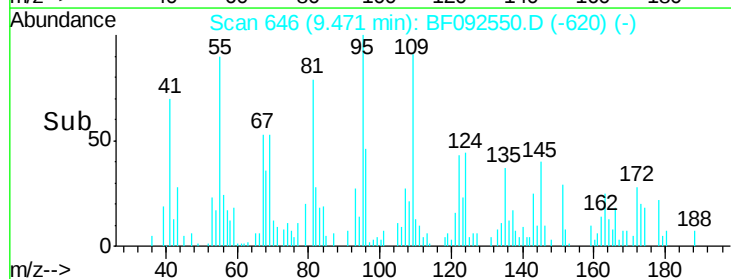
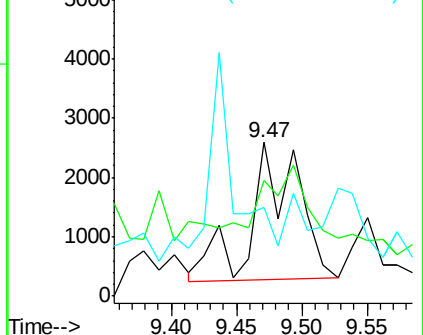
164 57.9 27.6 41.4#

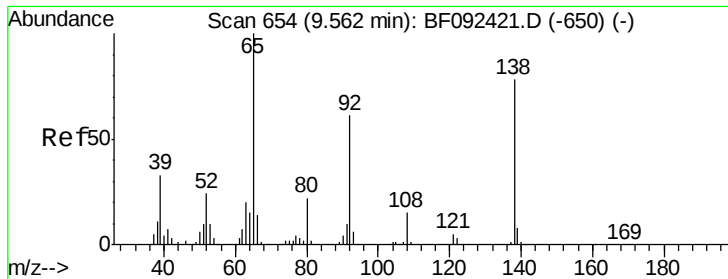


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

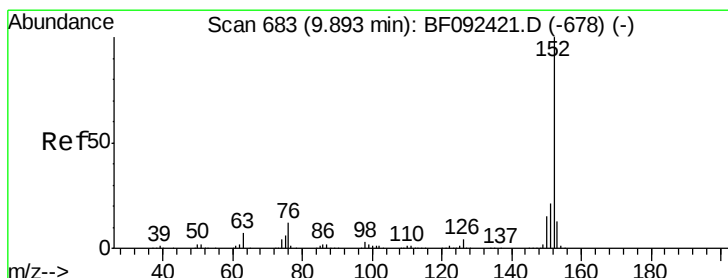
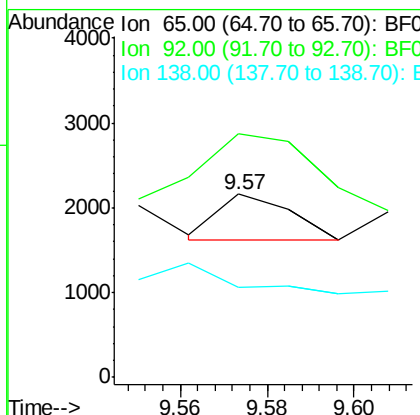
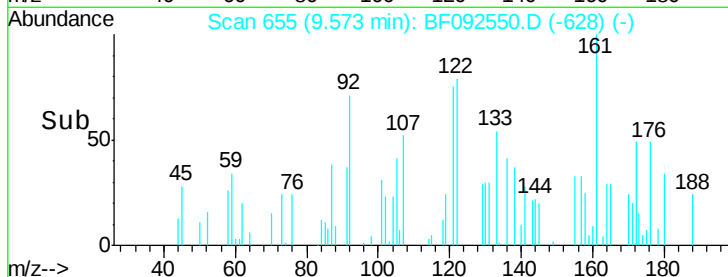
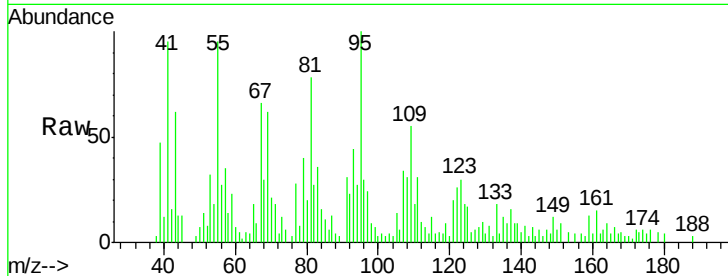




#47
2-Nitroaniline
Concen: 0.09 ng
RT: 9.57 min Scan# 655
Delta R.T. 0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

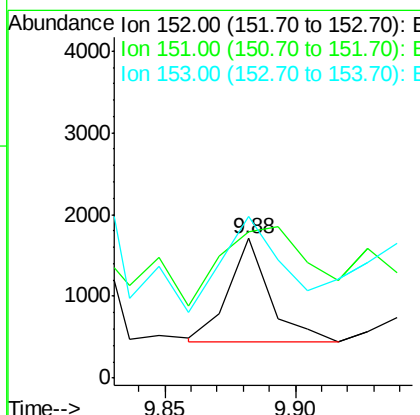
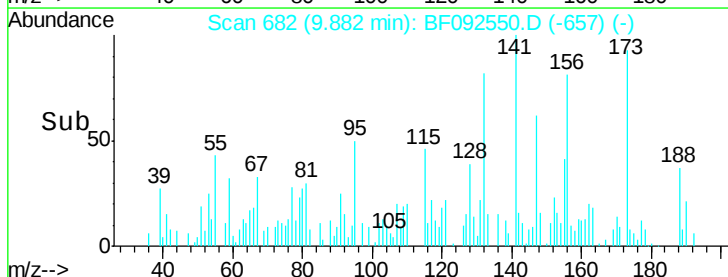
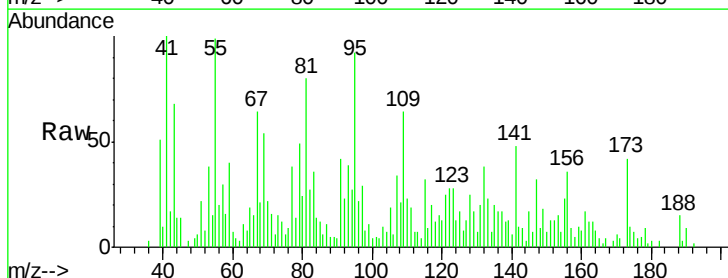
Instrument :
BNA_F
ClientSampleId :
W-44

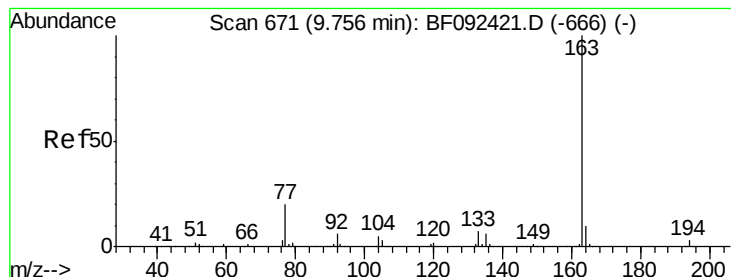
Tot Ion: 65 Resp: 615
Ion Ratio Lower Upper
65 100
92 133.1 53.9 80.9#
138 49.6 76.8 115.2#



#48
Acenaphthylene
Concen: 0.05 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion: 152 Resp: 1387
Ion Ratio Lower Upper
152 100
151 104.5 16.9 25.3#
153 115.7 11.4 17.2#





#49

Dimethylphthalate

Concen: 0.92 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

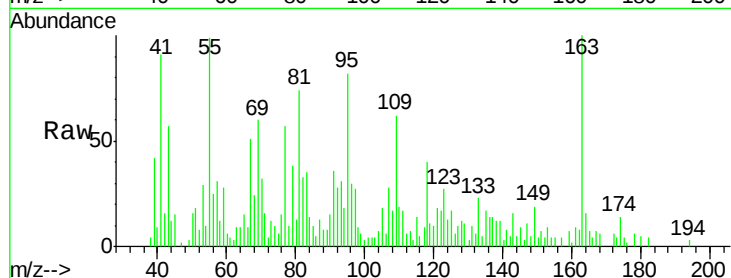
Tot Ion:163 Resp: 20761

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

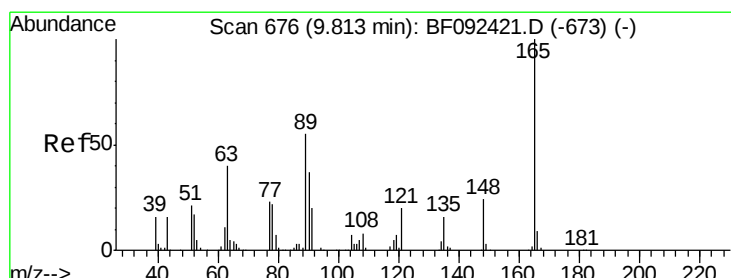
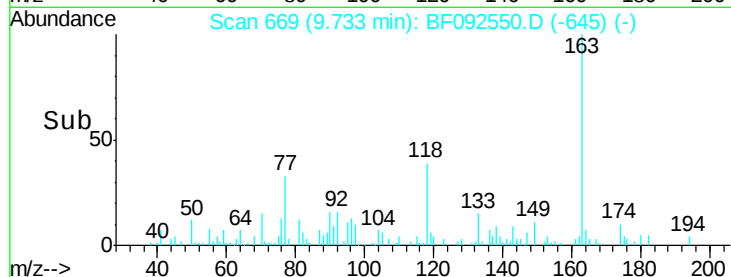
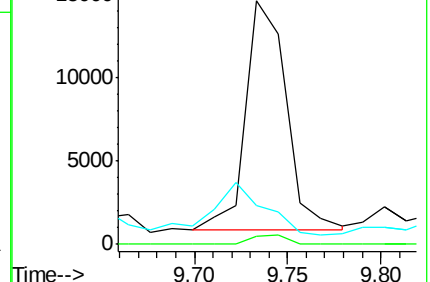
164 16.0 8.0 12.0#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.38 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.03 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

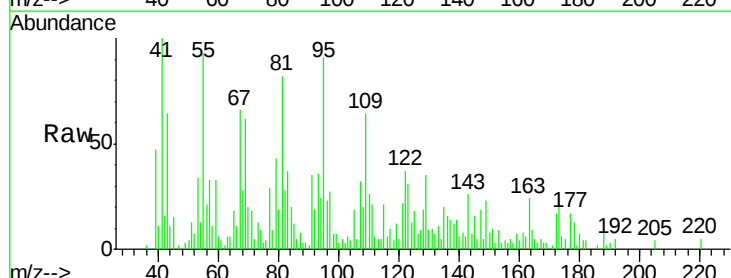
Tgt Ion:165 Resp: 1762

Ion Ratio Lower Upper

165 100

63 120.5 36.2 54.4#

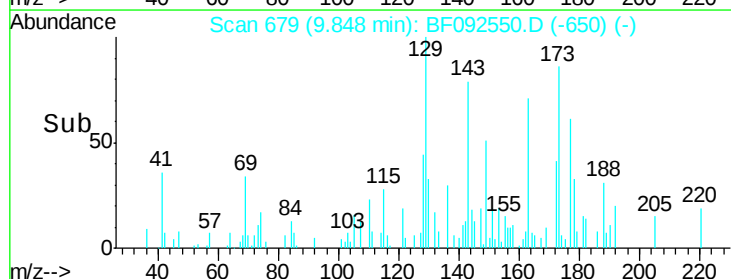
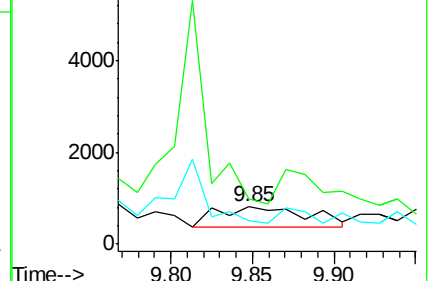
89 62.2 40.2 60.4#

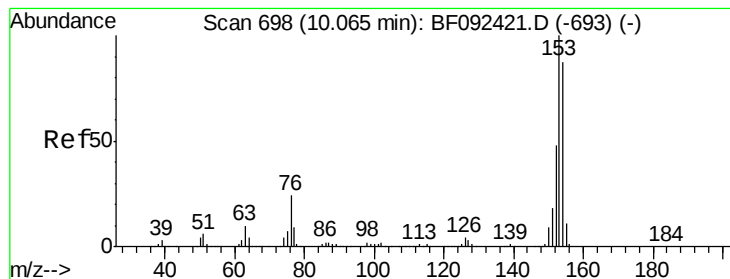


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.03 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

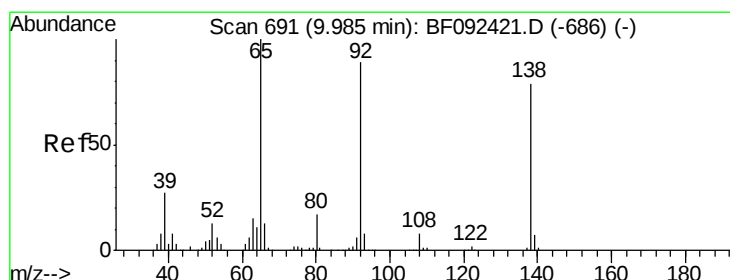
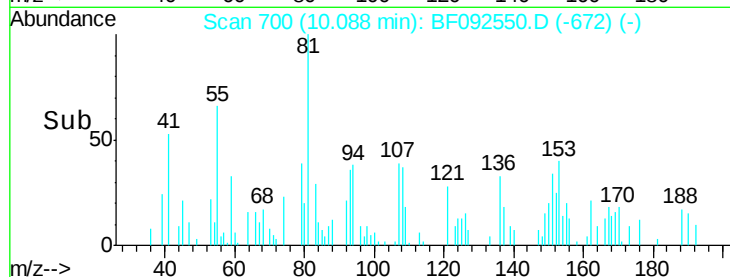
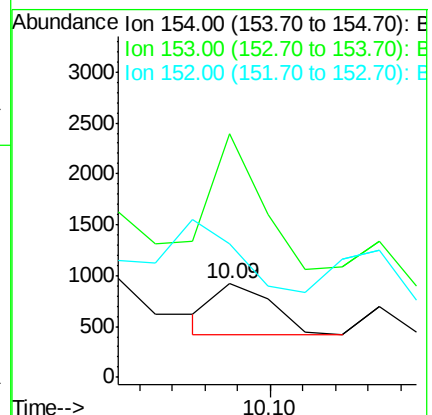
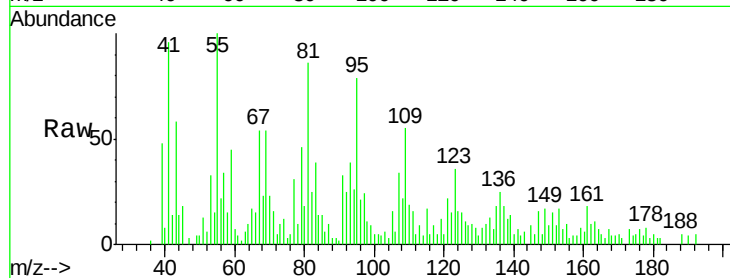
Tot Ion:154 Resp: 611

Ion Ratio Lower Upper

154 100

153 261.0 88.6 133.0#

152 143.1 41.6 62.4#



#52

3-Nitroaniline

Concen: 0.54 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

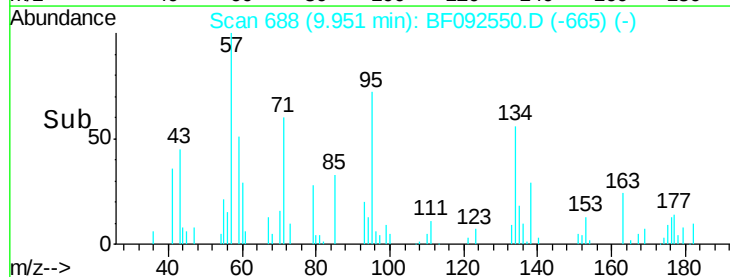
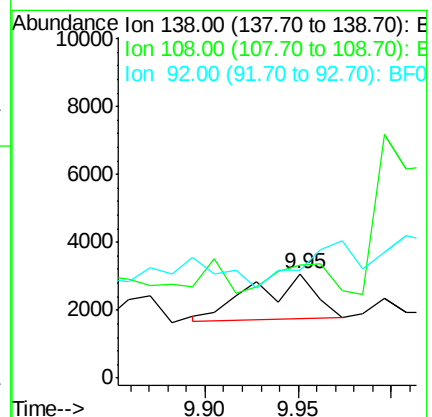
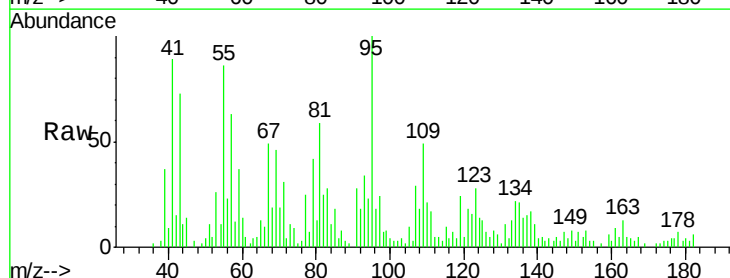
Tgt Ion:138 Resp: 3094

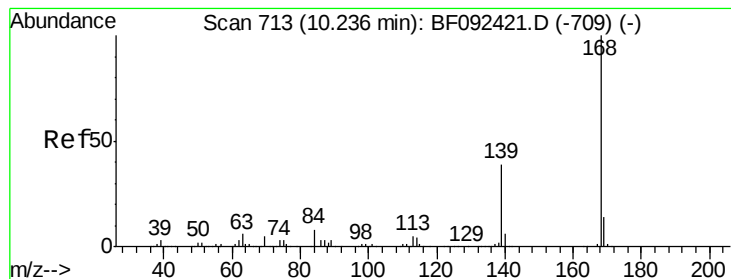
Ion Ratio Lower Upper

138 100

108 108.5 8.5 12.7#

92 102.9 97.8 146.8





#54

Dibenzofuran

Concen: 0.06 ng

RT: 10.24 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

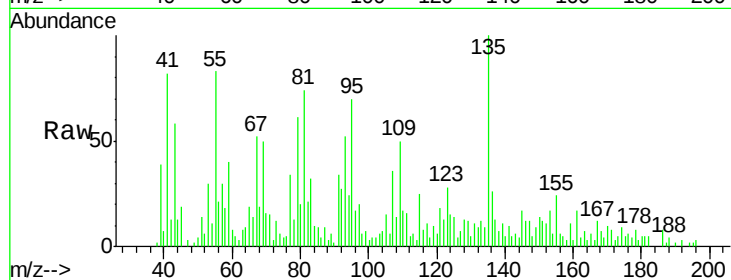
Tot Ion:168 Resp: 1440

Ion Ratio Lower Upper

168 100

139 144.3 32.6 49.0#

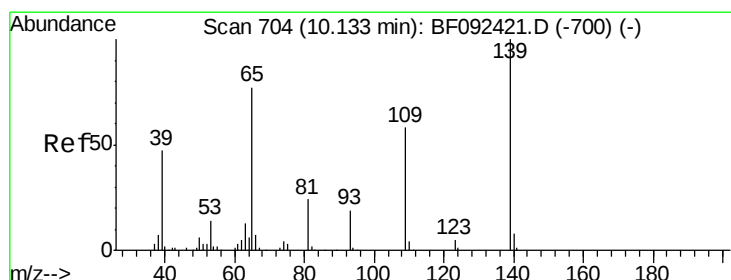
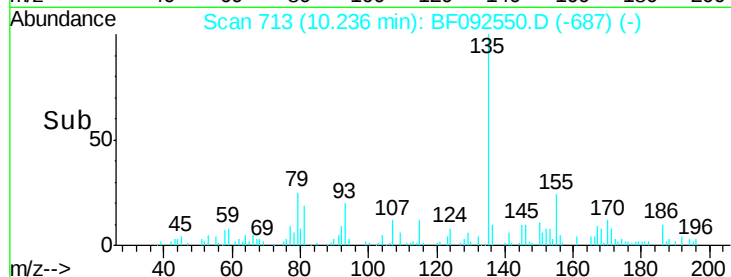
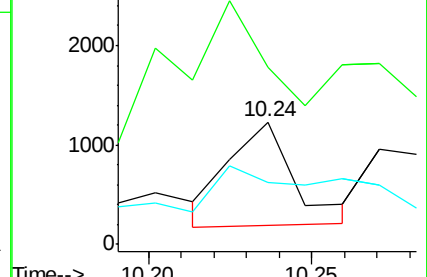
169 50.3 11.3 16.9#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.22 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.05 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

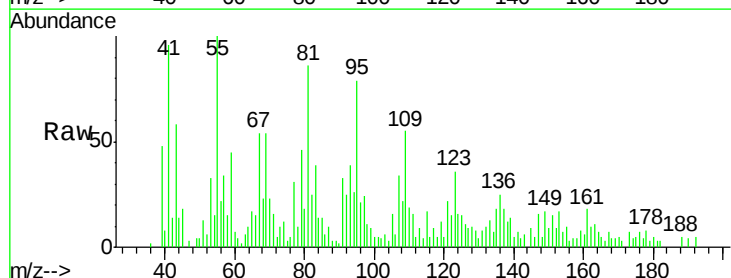
Tgt Ion:139 Resp: 988

Ion Ratio Lower Upper

139 100

109 399.6 52.2 92.2#

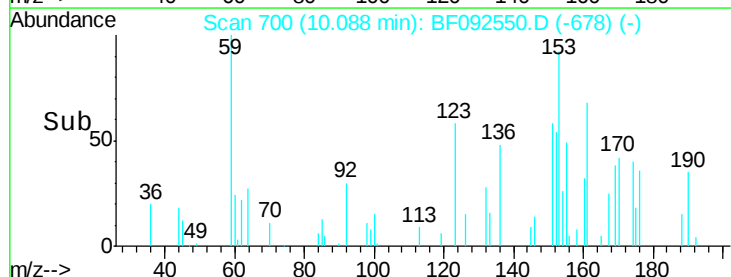
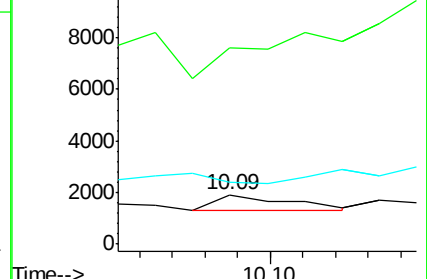
65 124.9 85.8 125.8

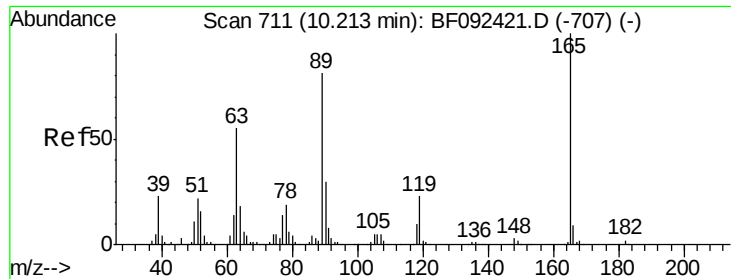


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 0.60 ng

RT: 10.20 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

Tot Ion:165 Resp: 3642

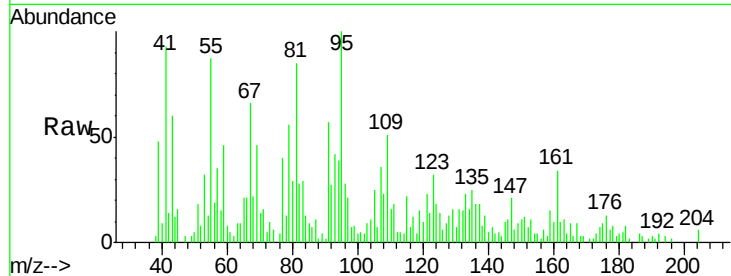
Ion Ratio Lower Upper

165 100

63 98.9 40.2 60.4#

89 39.6 62.5 93.7#

182 88.9 1.8 2.8#

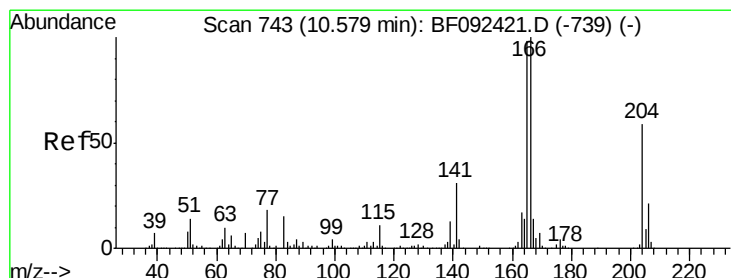
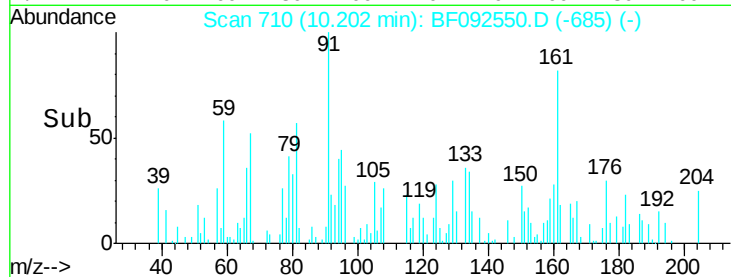
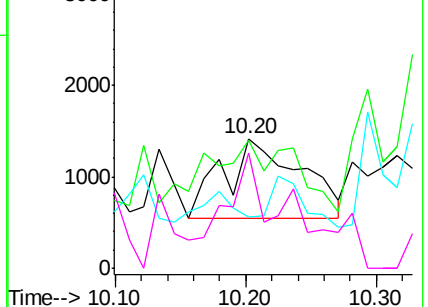


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.08 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

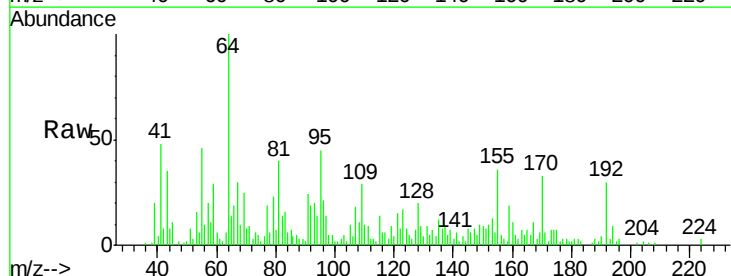
Tgt Ion:166 Resp: 1521

Ion Ratio Lower Upper

166 100

165 133.8 77.8 116.8#

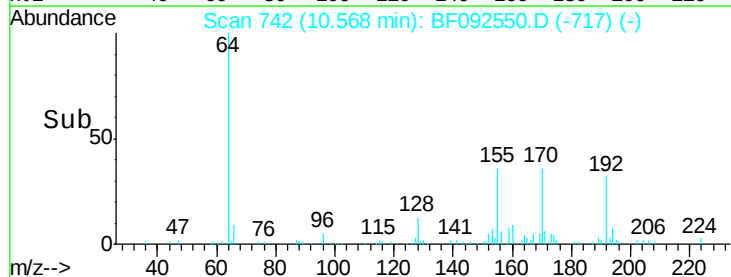
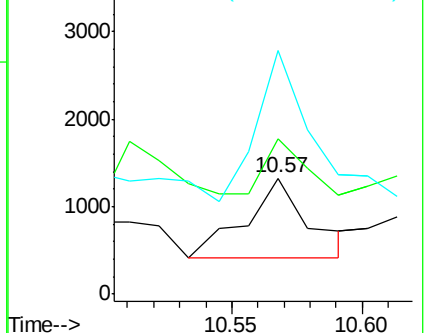
167 210.4 10.8 16.2#

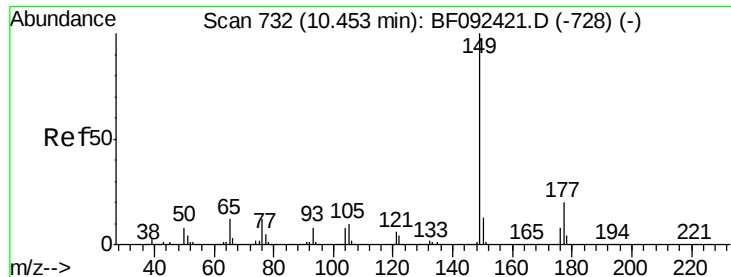


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

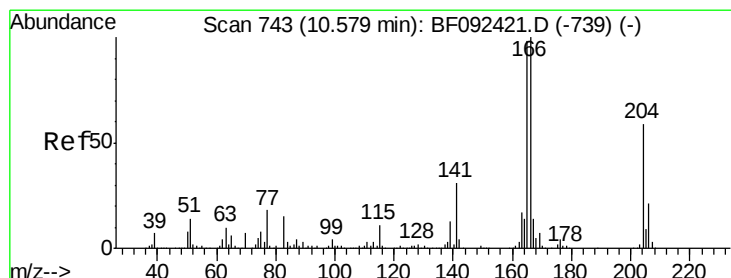
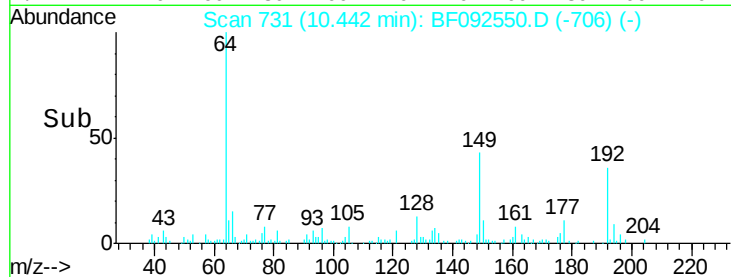
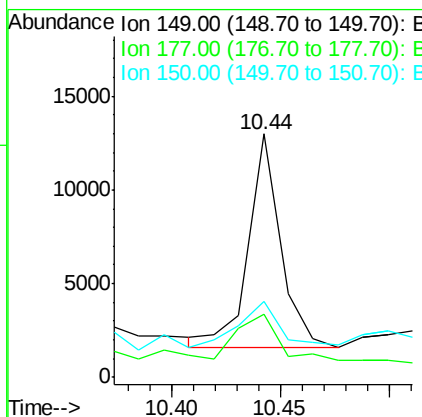
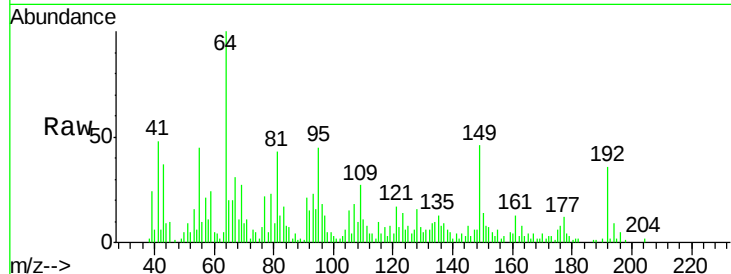




#59
Diethylphthalate
Concen: 0.54 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

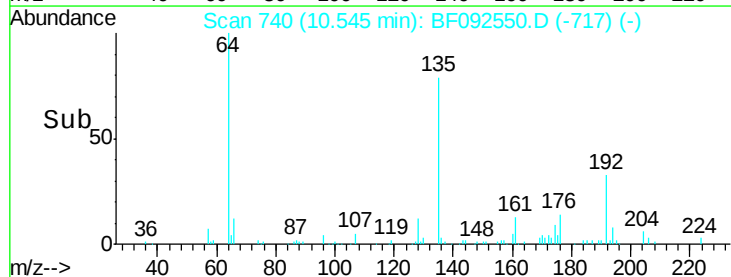
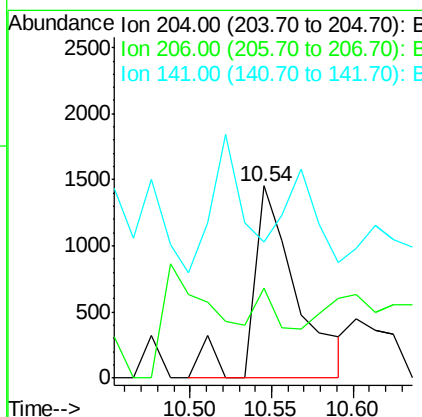
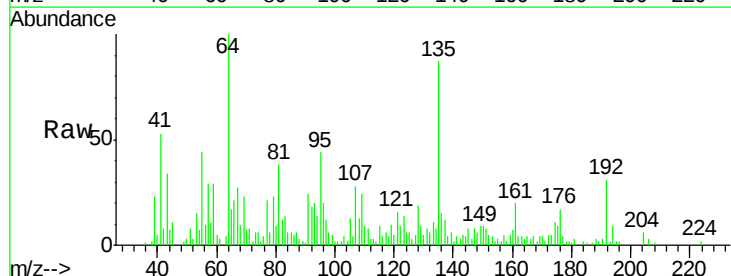
Instrument :
BNA_F
ClientSampleId :
W-44

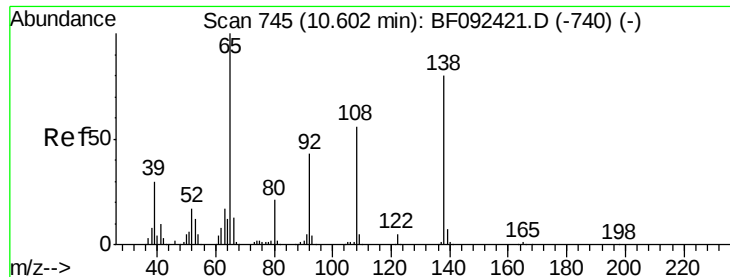
Tot Ion	Ratio	Lower	Upper
149	100		
177	26.2	16.6	25.0#
150	31.2	10.4	15.6#



#60
4-Chlorophenyl-phenylether
Concen: 0.29 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.03 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion	Ratio	Lower	Upper
204	100		
206	47.2	25.8	38.6#
141	71.2	59.4	89.0





#61

4-Nitroaniline

Concen: 0.24 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

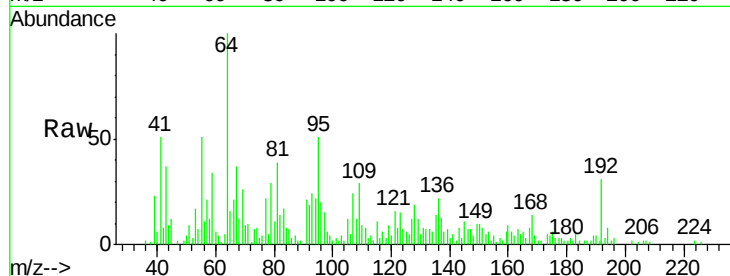
Tot Ion:138 Resp: 1371

Ion Ratio Lower Upper

138 100

92 333.9 31.7 71.7#

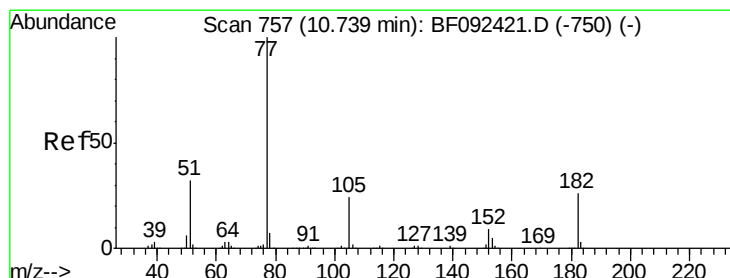
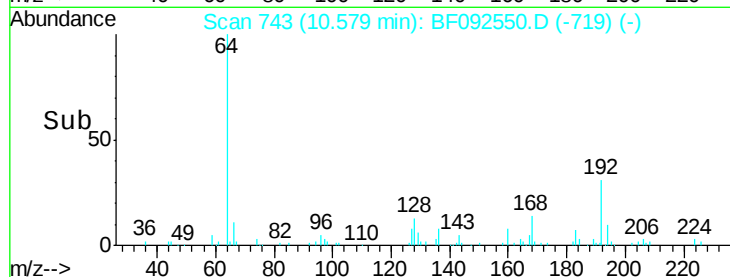
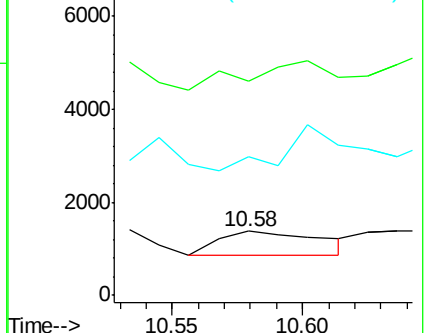
108 216.3 52.6 92.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 0.80 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Tgt Ion: 77 Resp: 19556

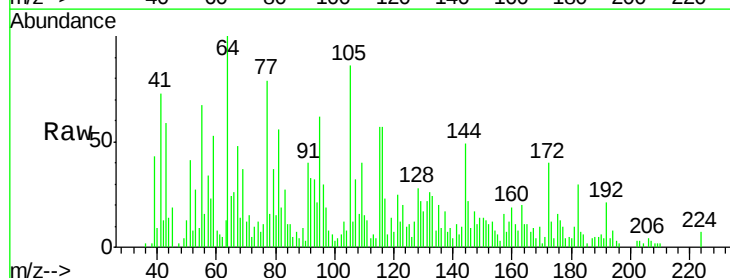
Ion Ratio Lower Upper

77 100

182 37.9 0.0 39.3

105 109.0 2.3 42.3#

51 52.1 8.9 48.9#

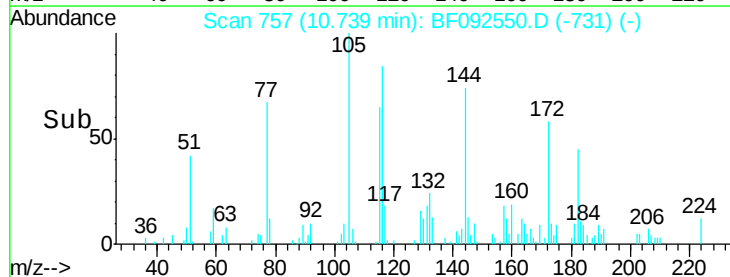
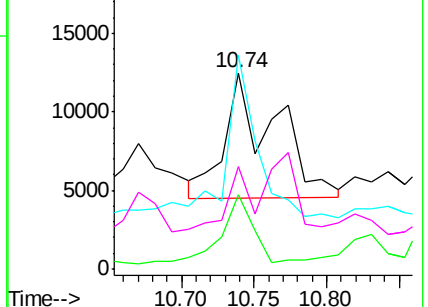


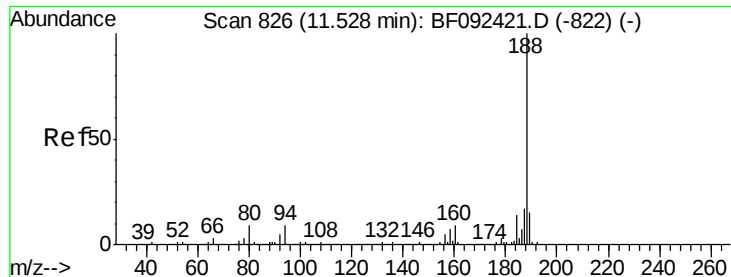
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

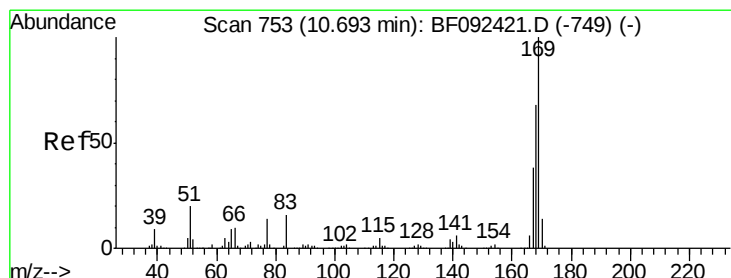
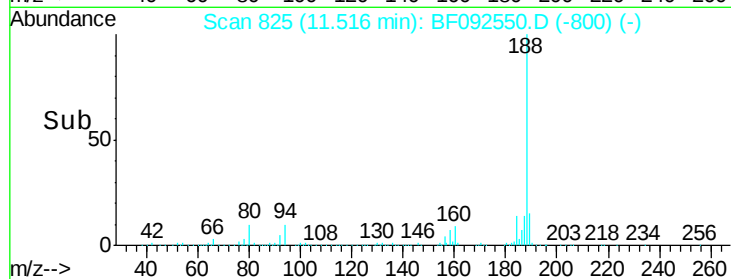
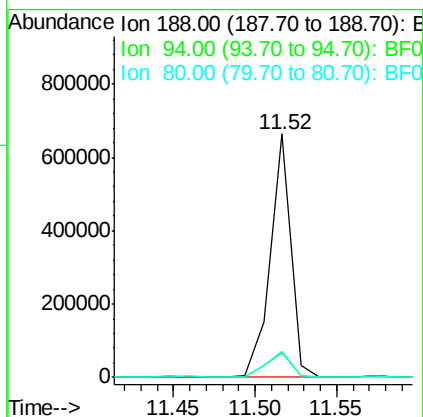
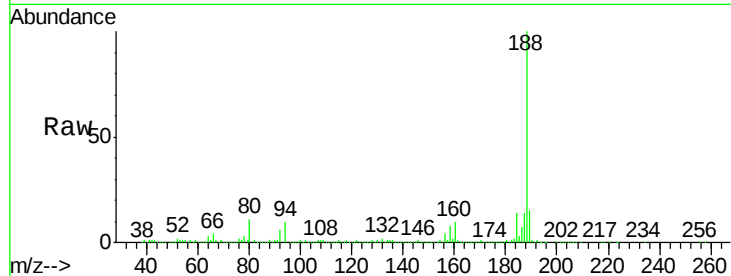




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

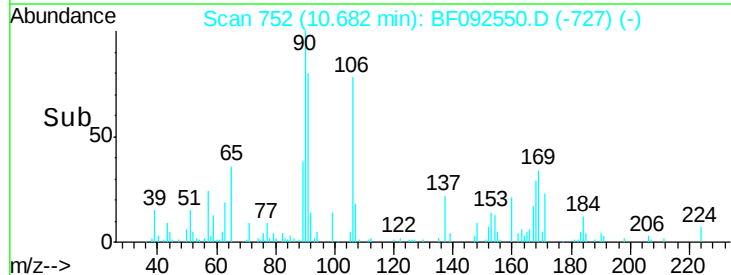
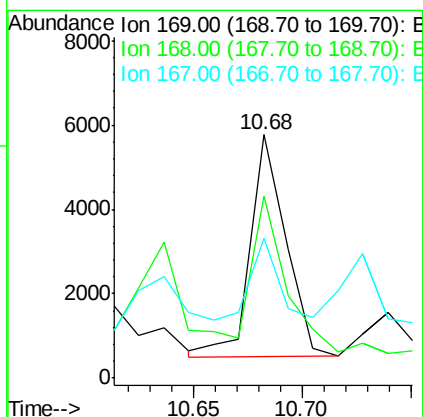
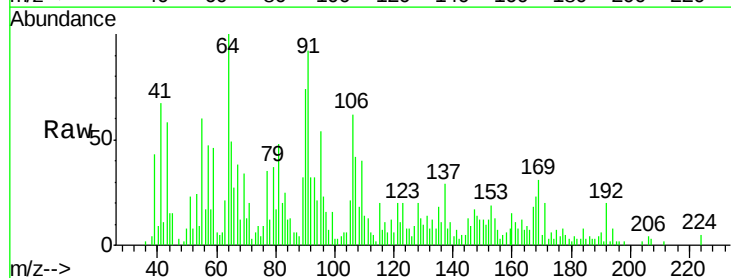
Instrument :
BNA_F
ClientSampleId :
W-44

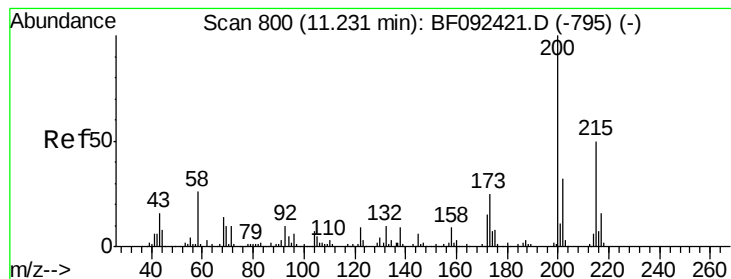
Tot Ion:188 Resp: 584840
Ion Ratio Lower Upper
188 100
94 10.2 10.0 15.0
80 10.8 11.2 16.8#



#65
n-Nitrosodiphenylamine
Concen: 0.33 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:169 Resp: 5969
Ion Ratio Lower Upper
169 100
168 74.6 54.2 81.2
167 57.3 30.2 45.4#





#68

Atrazine

Concen: 0.43 ng

RT: 11.24 min Scan# 801

Delta R.T. 0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

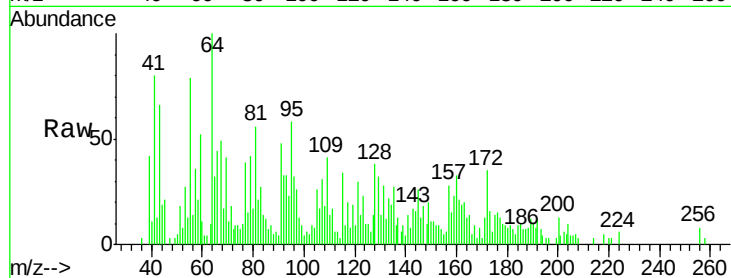
Tot Ion:200 Resp: 2710

Ion Ratio Lower Upper

200 100

173 128.8 9.6 49.6#

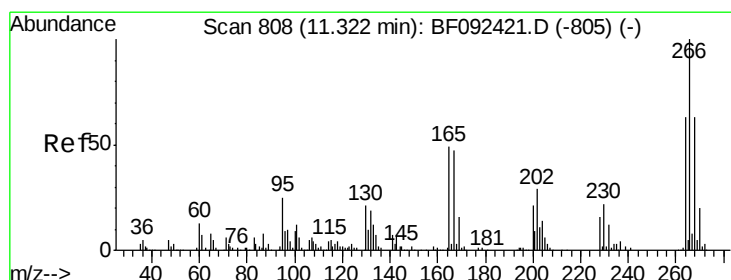
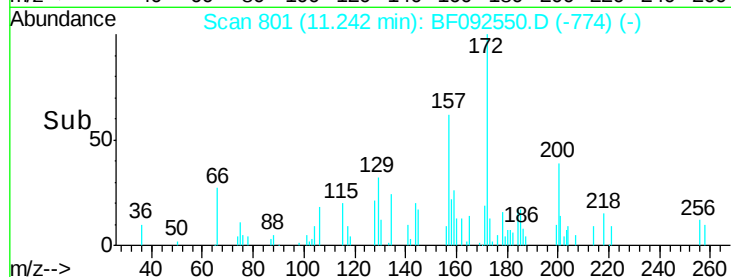
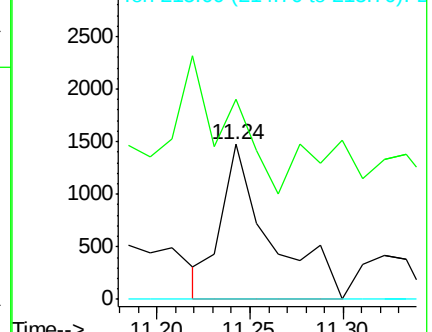
215 0.0 25.7 65.7#



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: 0.32 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

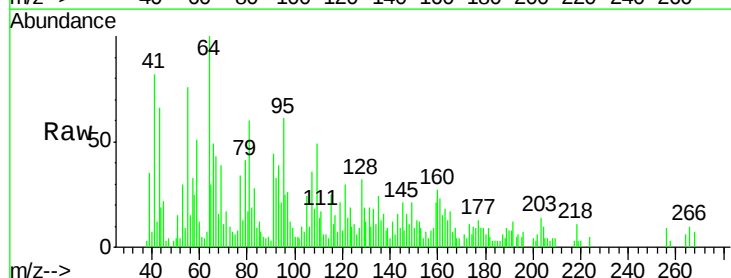
Tgt Ion:266 Resp: 1228

Ion Ratio Lower Upper

266 100

268 71.4 53.3 79.9

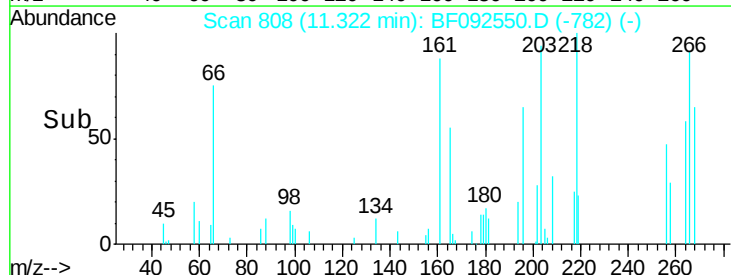
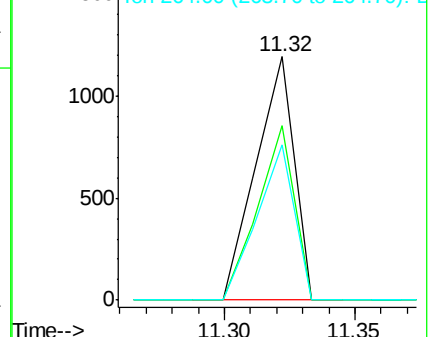
264 63.7 50.3 75.5

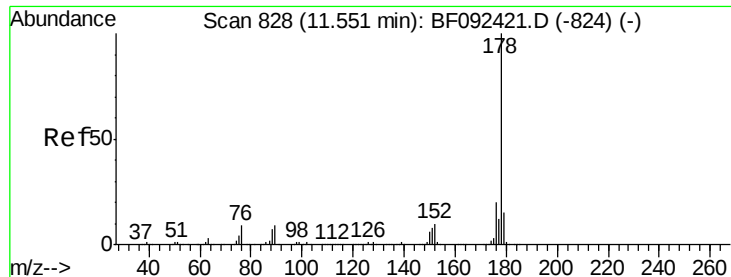


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

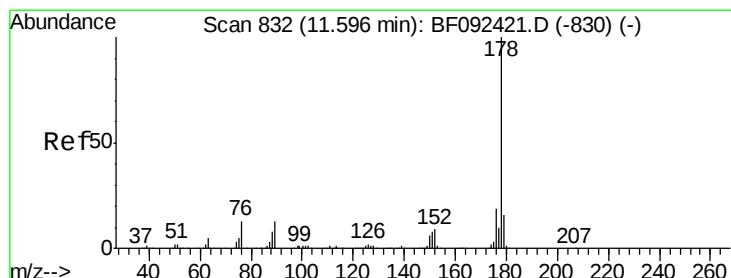
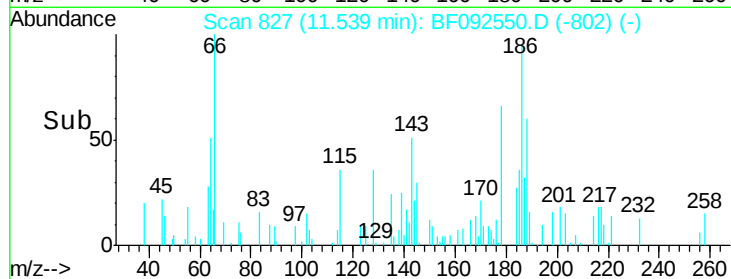
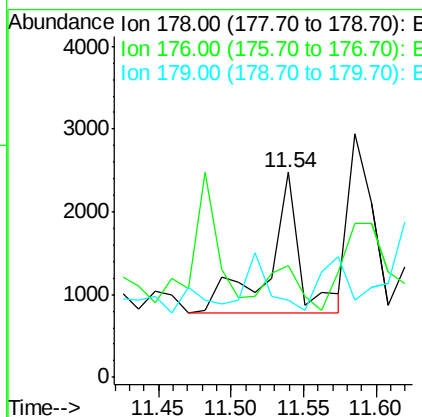
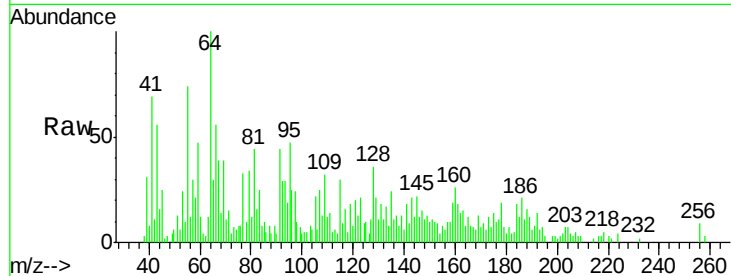




#70
Phenanthrene
Concen: 0.08 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

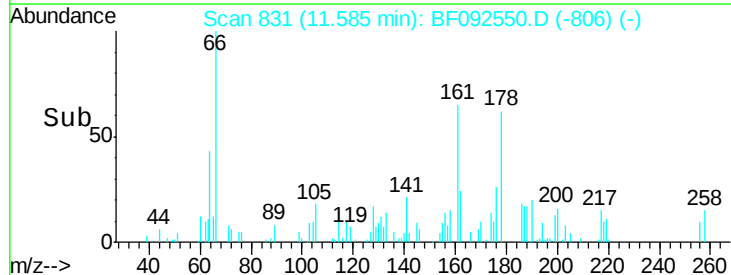
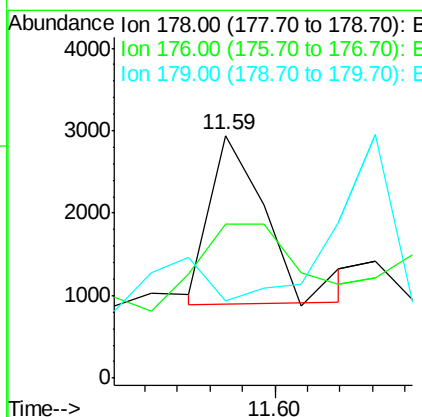
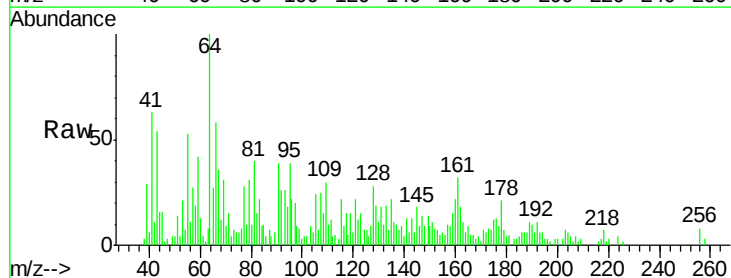
Instrument :
BNA_F
ClientSampled :
W-44

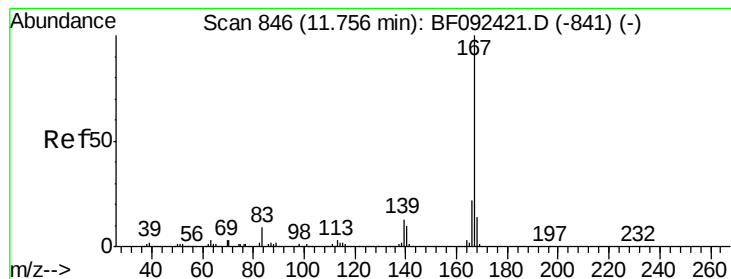
Tot Ion:178 Resp: 2597
Ion Ratio Lower Upper
178 100
176 54.3 16.6 25.0#
179 37.6 12.8 19.2#



#71
Anthracene
Concen: 0.08 ng
RT: 11.59 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:178 Resp: 2503
Ion Ratio Lower Upper
178 100
176 63.4 15.9 23.9#
179 31.7 13.2 19.8#





#72

Carbazole

Concen: 0.05 ng

RT: 11.75 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

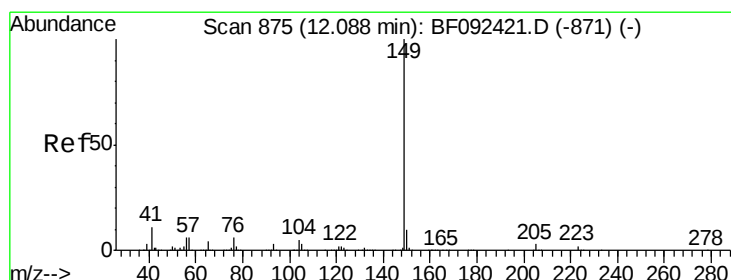
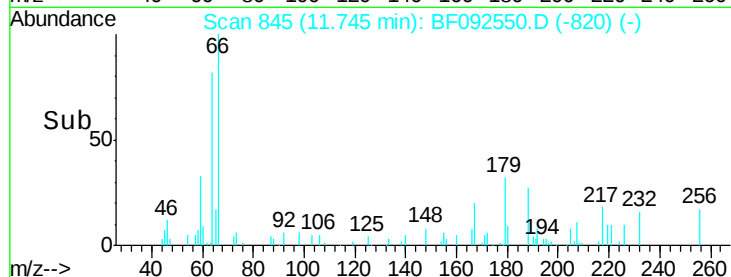
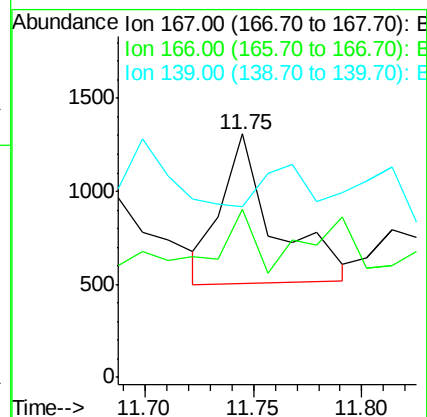
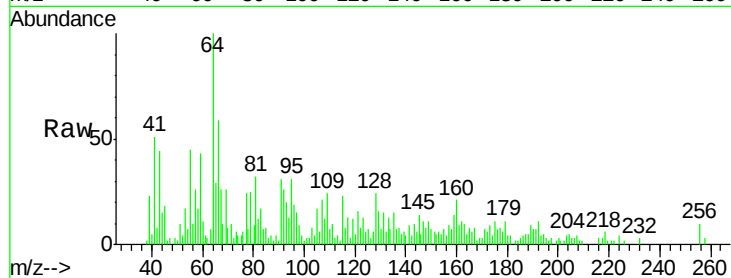
Tot Ion:167 Resp: 1365

Ion Ratio Lower Upper

167 100

166 69.3 18.2 27.2#

139 69.9 11.4 17.2#



#73

Di-n-butylphthalate

Concen: 0.14 ng

RT: 12.08 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

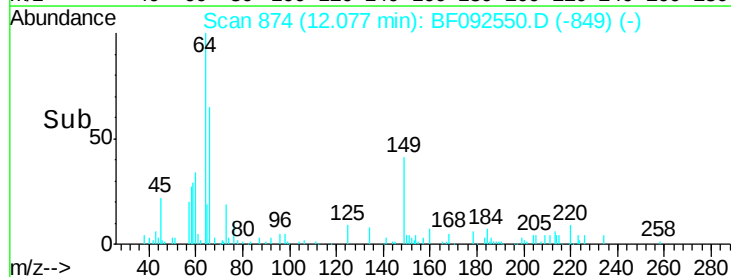
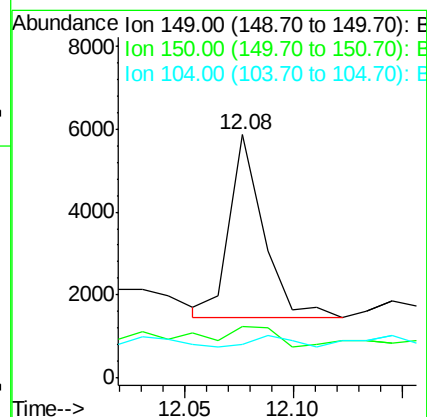
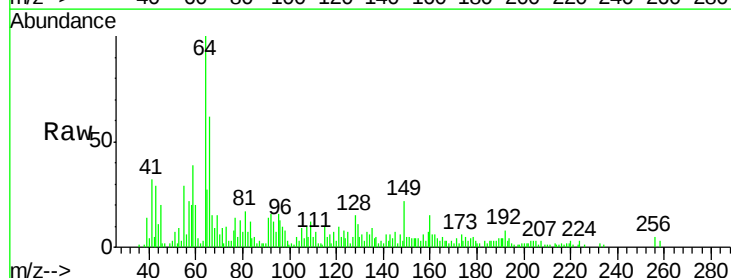
Tgt Ion:149 Resp: 4794

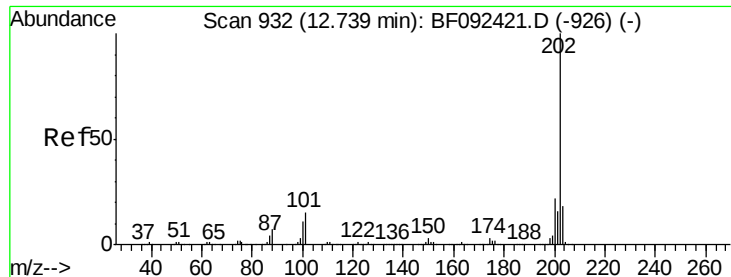
Ion Ratio Lower Upper

149 100

150 21.3 8.1 12.1#

104 13.8 4.6 7.0#





#74

Fluoranthene

Concen: 0.28 ng

RT: 12.74 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

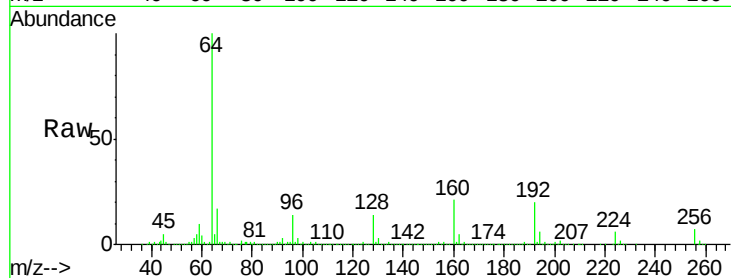
Tot Ion:202 Resp: 8726

Ion Ratio Lower Upper

202 100

101 18.7 0.0 34.6

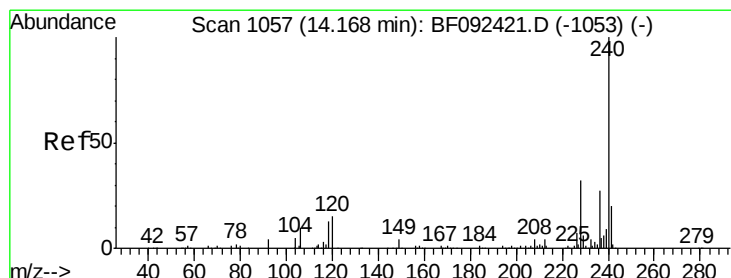
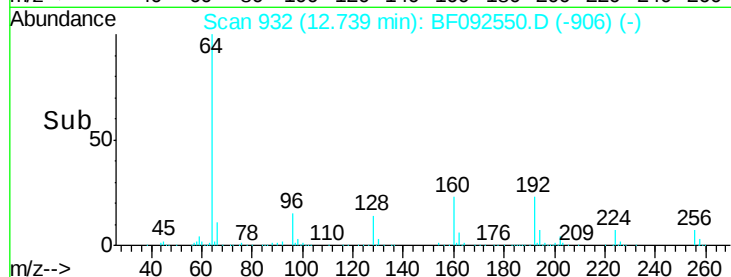
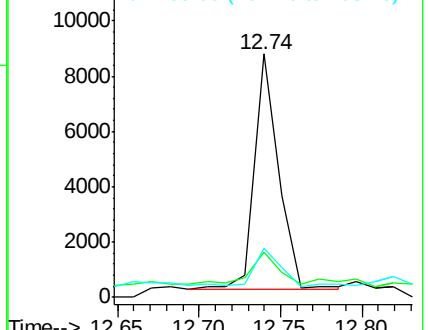
203 19.9 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

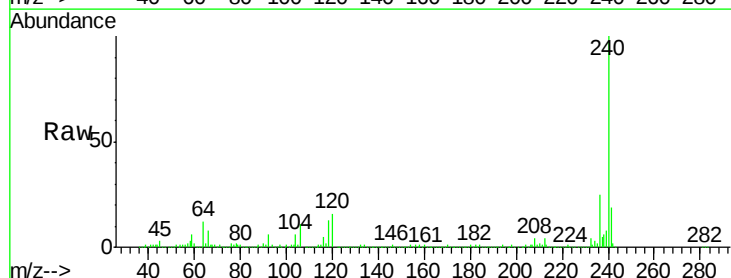
Tgt Ion:240 Resp: 409121

Ion Ratio Lower Upper

240 100

120 16.0 12.9 19.3

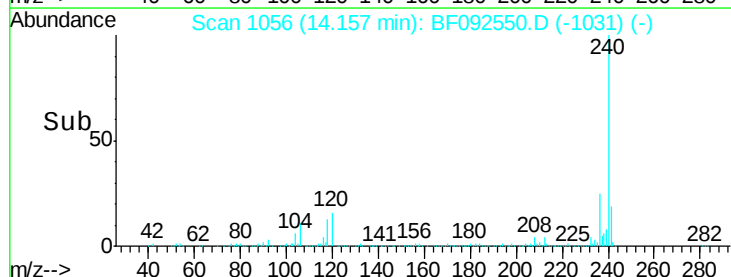
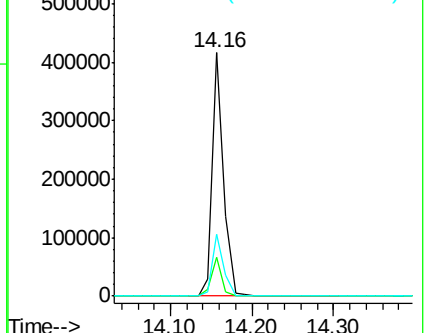
236 25.5 20.9 31.3

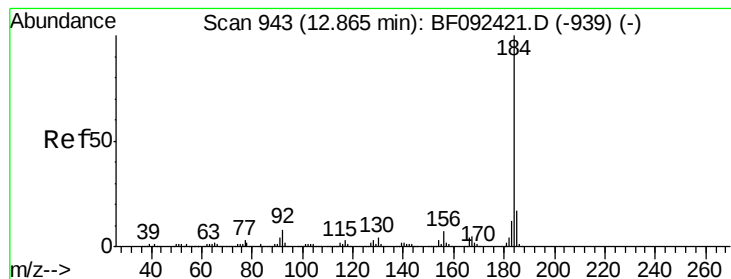


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.03 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.07 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

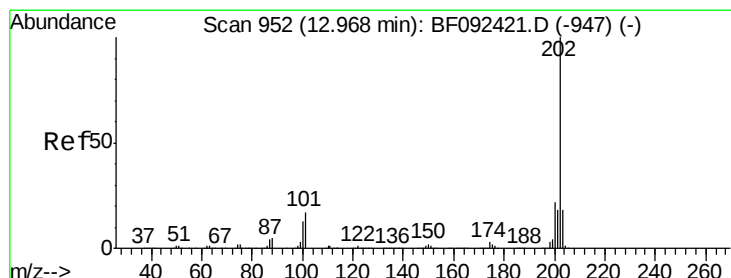
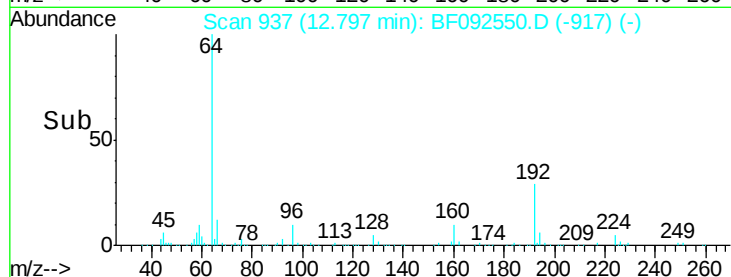
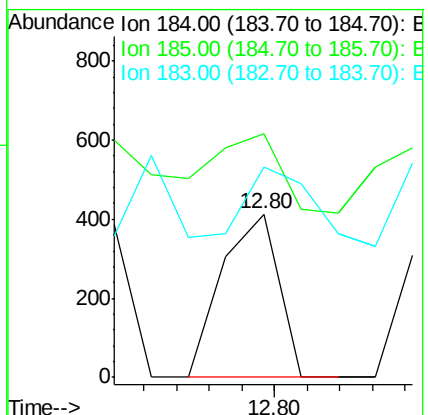
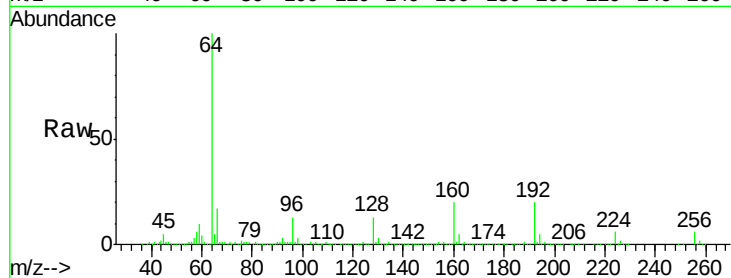
Tot Ion:184 Resp: 494

Ion Ratio Lower Upper

184 100

185 148.8 13.4 20.0#

183 128.7 9.2 13.8#



#77

Pyrene

Concen: 0.30 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.23 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

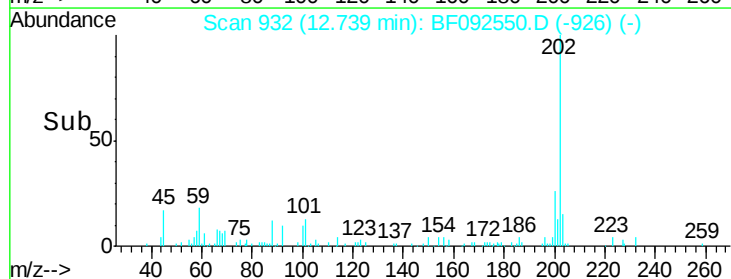
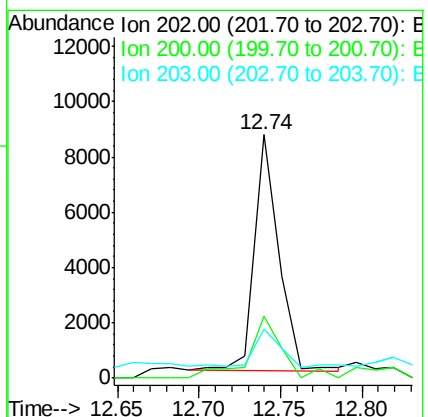
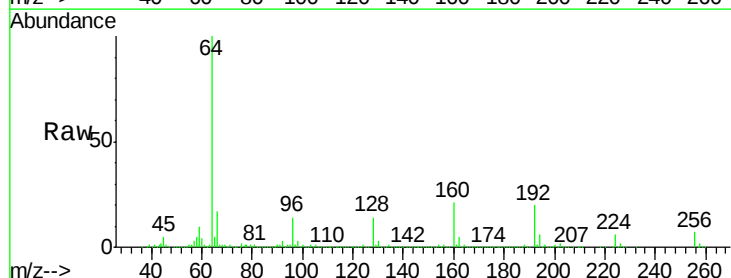
Tgt Ion:202 Resp: 8893

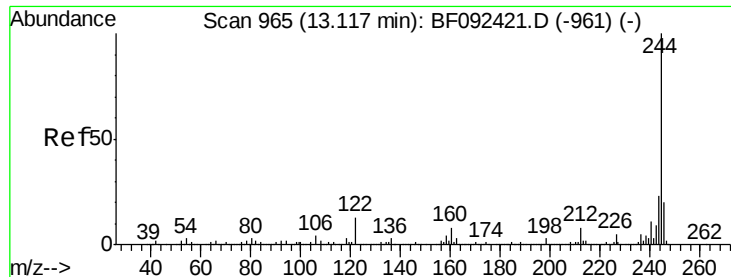
Ion Ratio Lower Upper

202 100

200 25.2 17.7 26.5

203 19.9 14.7 22.1

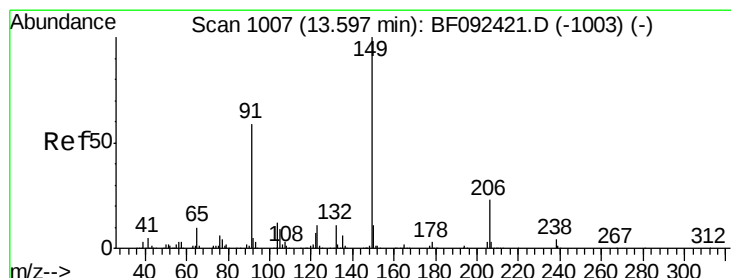
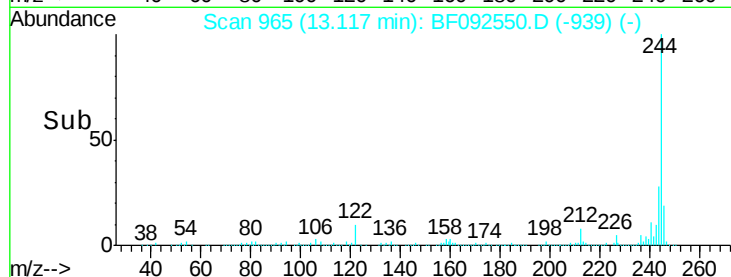
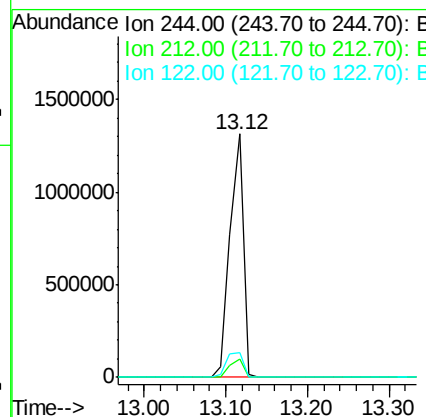
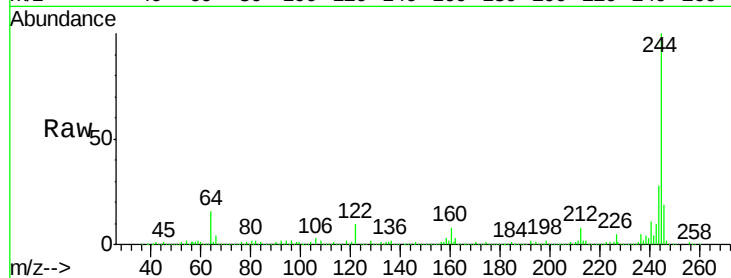




#78
 Terphenyl-d14
 Concen: 96.93 ng
 RT: 13.12 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

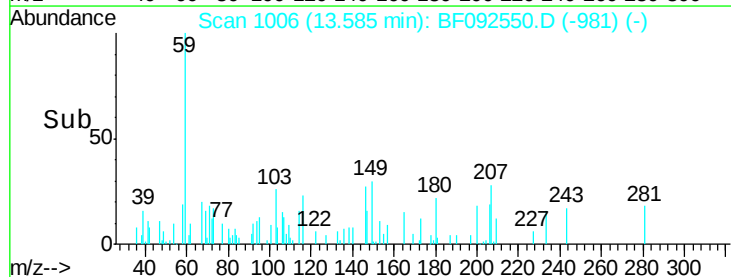
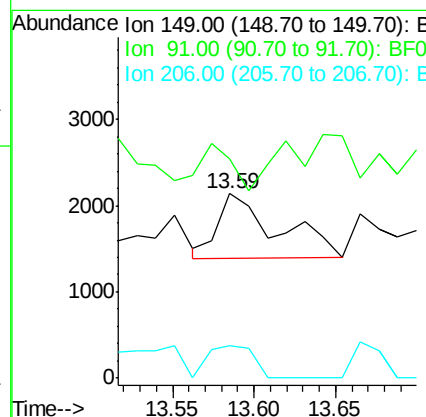
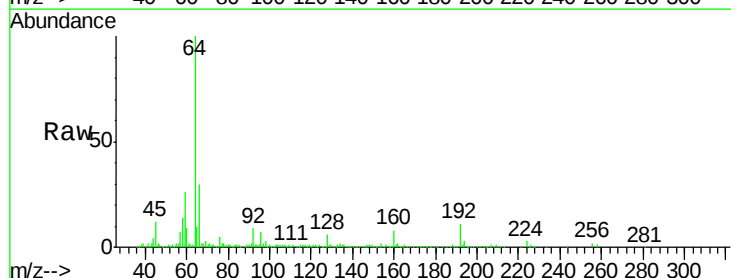
Instrument :
 BNA_F
 ClientSampleId :
 W-44

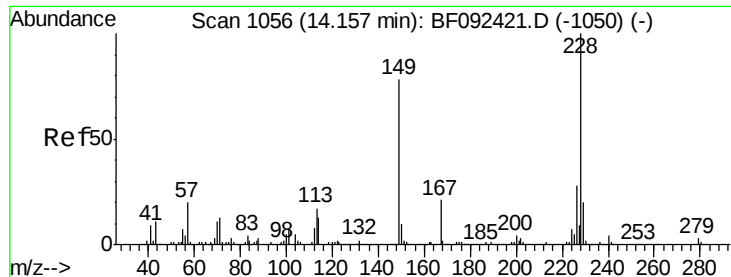
Tot Ion:244 Resp: 1489256
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 10.3 11.4 17.2#



#79
 Butylbenzylphthalate
 Concen: 0.16 ng
 RT: 13.59 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Tgt Ion:149 Resp: 1874
 Ion Ratio Lower Upper
 149 100
 91 118.8 63.9 95.9#
 206 17.5 14.6 21.8

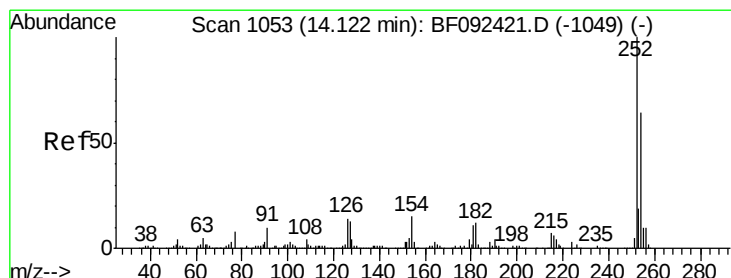
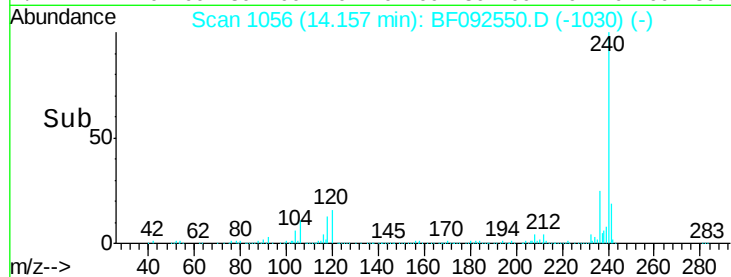
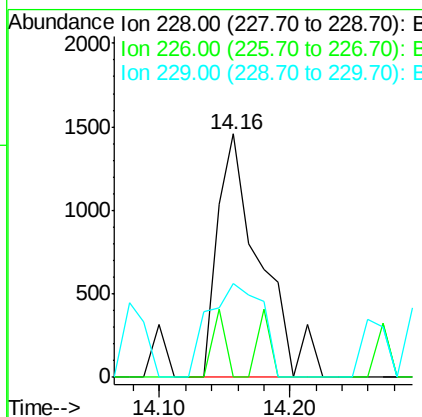
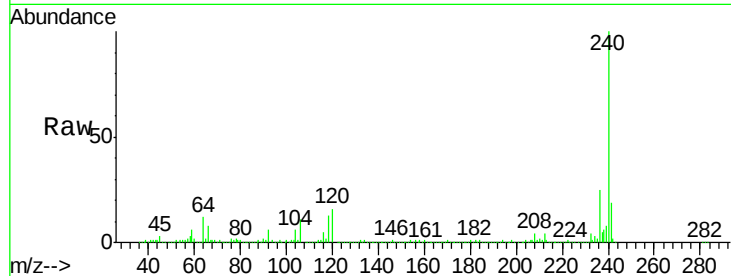




#80
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 14.16 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

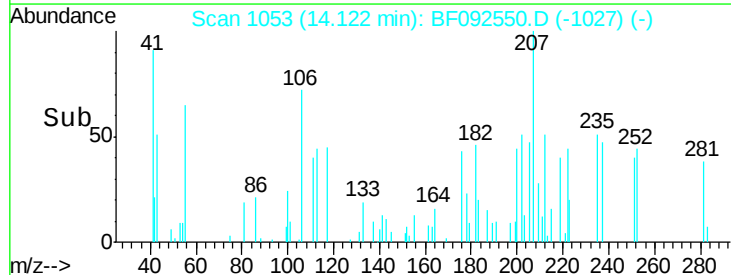
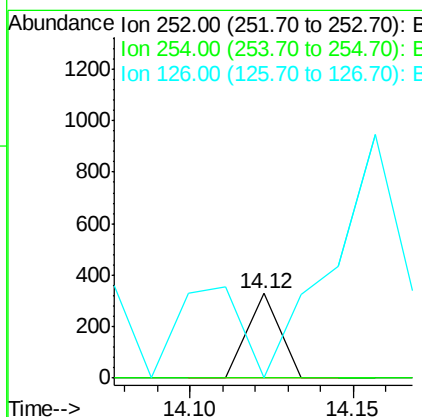
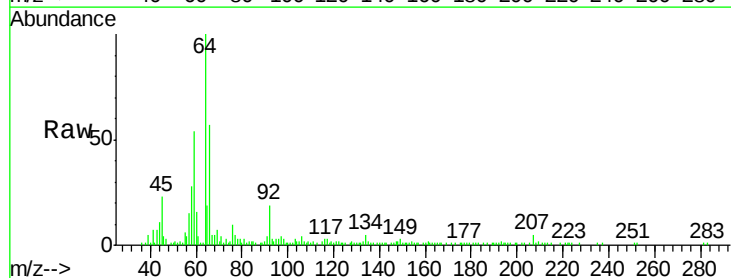
Instrument :
 BNA_F
 ClientSampleId :
 W-44

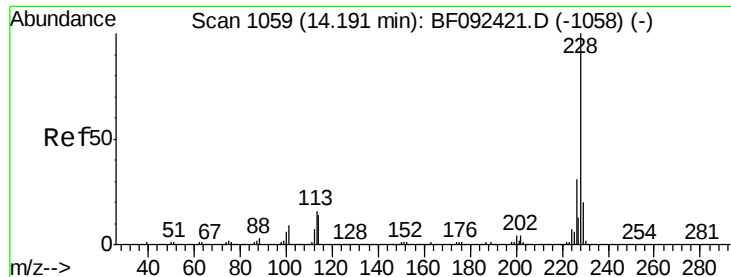
Tot Ion:	228	Resp:	3312
Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.4	33.6#
229	38.5	16.2	24.4#



#81
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 14.12 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Tgt Ion:	252	Resp:	226
Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.3	78.5#
126	0.0	13.6	20.4#





#82

Chrysene

Concen: 0.14 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

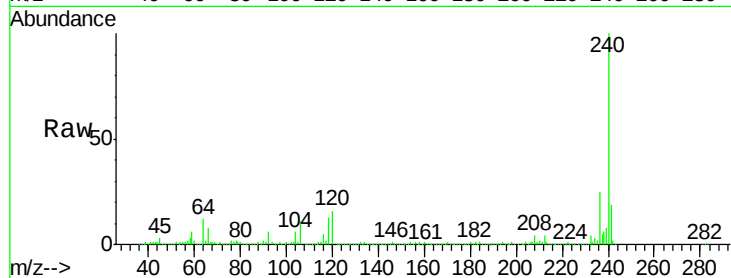
Tot Ion:228 Resp: 3312

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

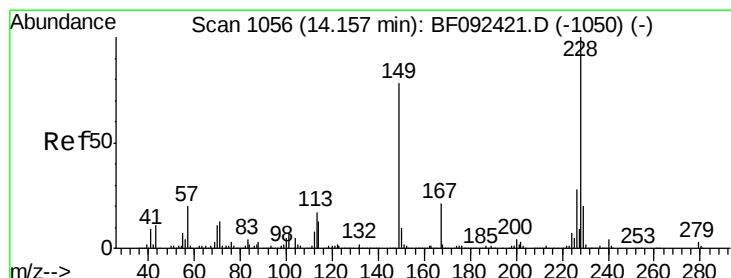
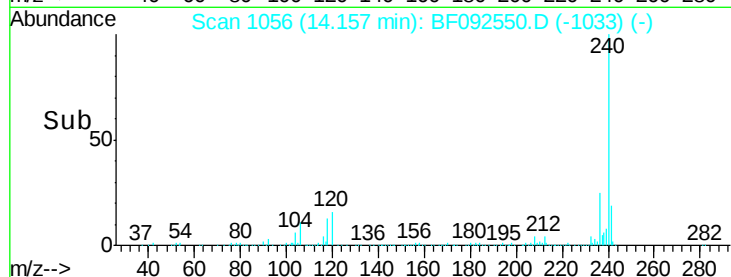
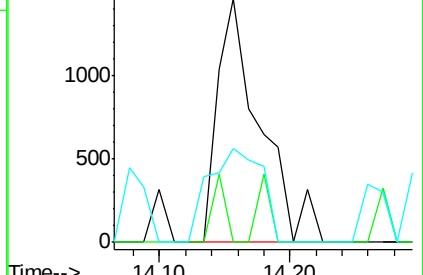
229 38.5 16.2 24.2#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 14.13 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

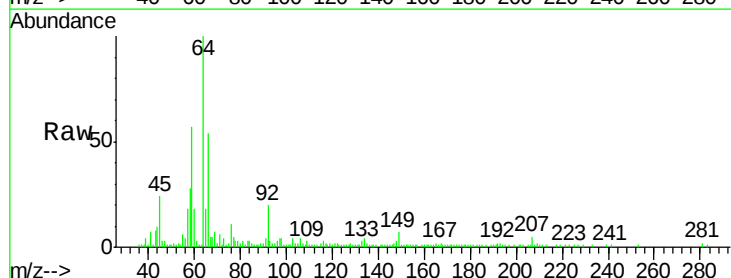
Tgt Ion:149 Resp: 3954

Ion Ratio Lower Upper

149 100

167 26.1 20.2 30.4

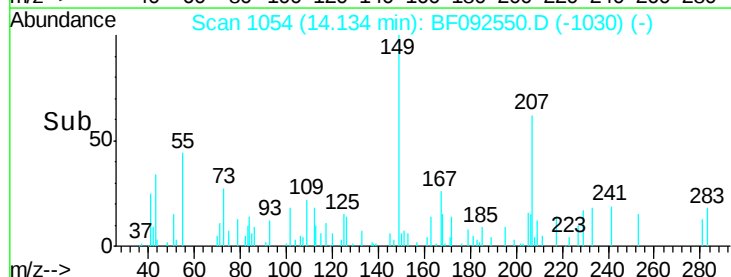
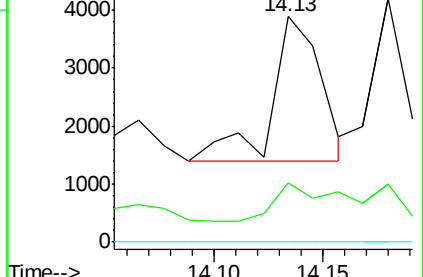
279 0.0 1.8 2.8#

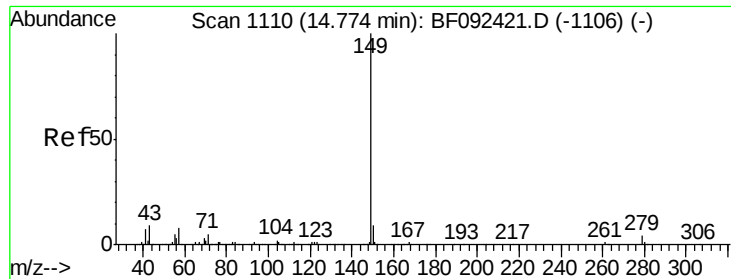


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

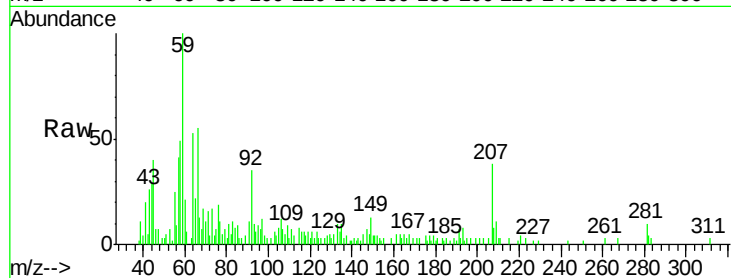




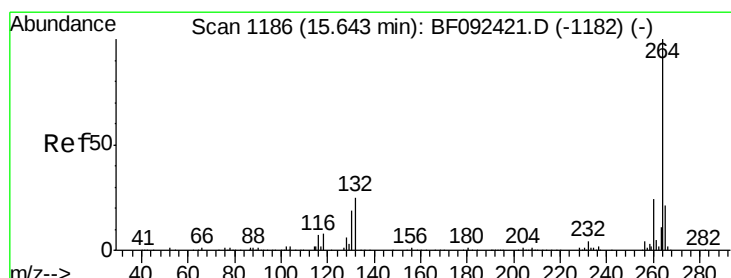
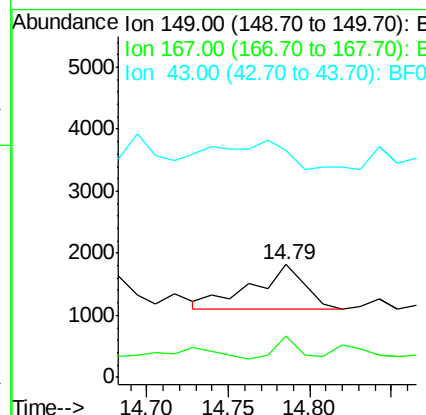
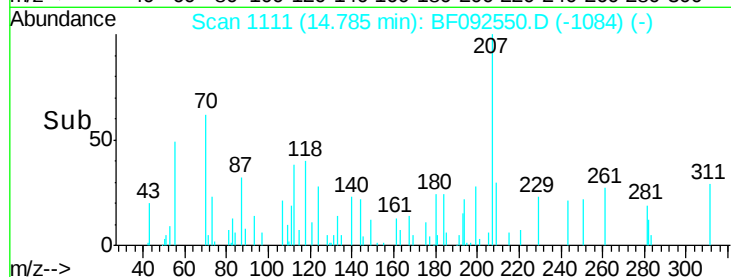
#84
Di-n-octyl phthalate
Concen: 0.06 ng
RT: 14.79 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Instrument :
BNA_F
ClientSampled :
W-44

Tot Ion:149 Resp: 1592
Ion Ratio Lower Upper
149 100
167 22.0 1.3 1.9#
43 74.9 8.9 13.3#

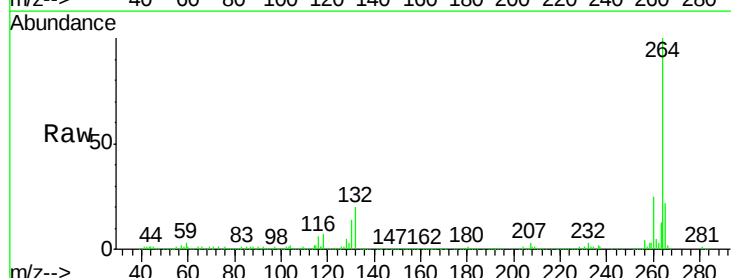


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

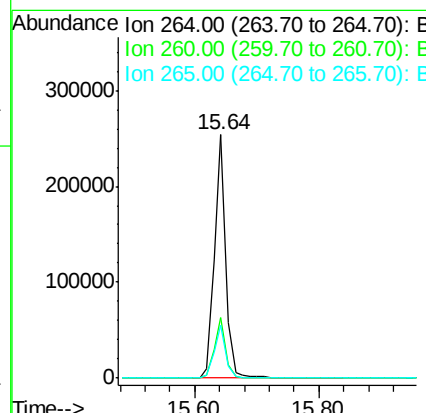
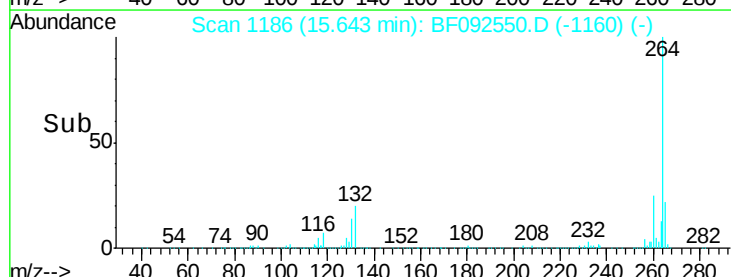


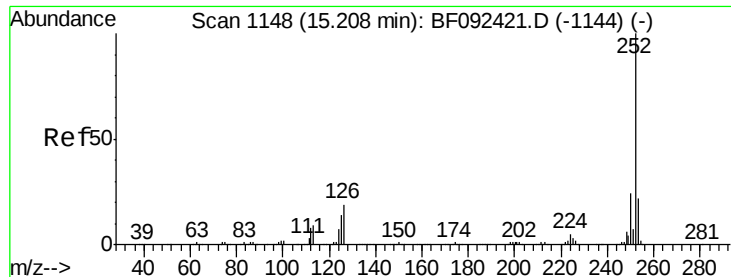
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.64 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:264 Resp: 318836
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.8 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 15.22 min Scan# 1149

Delta R.T. 0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

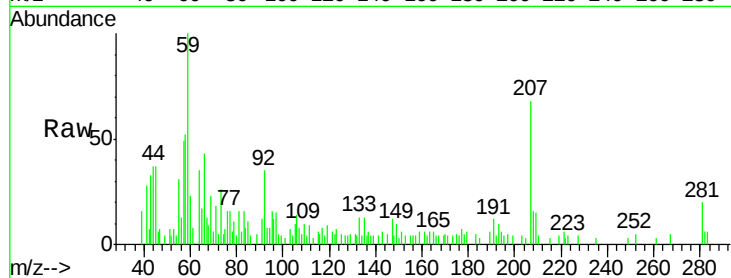
Tot Ion:252 Resp: 914

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.4#

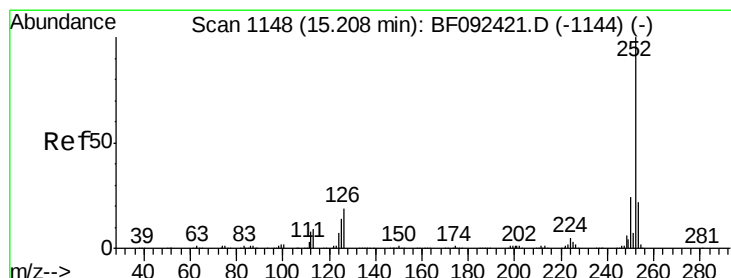
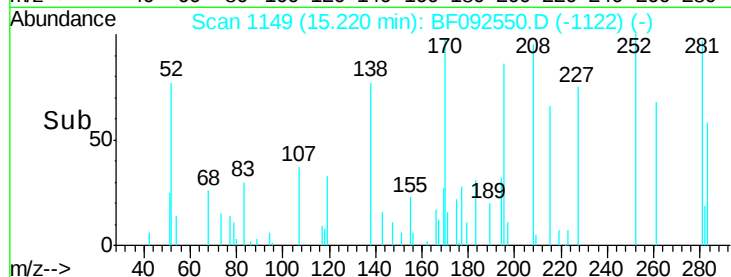
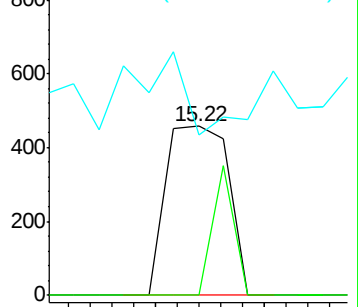
125 95.2 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.05 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

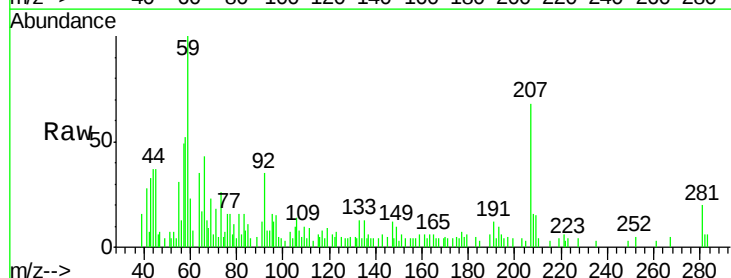
Tgt Ion:252 Resp: 914

Ion Ratio Lower Upper

252 100

253 0.0 18.5 27.7#

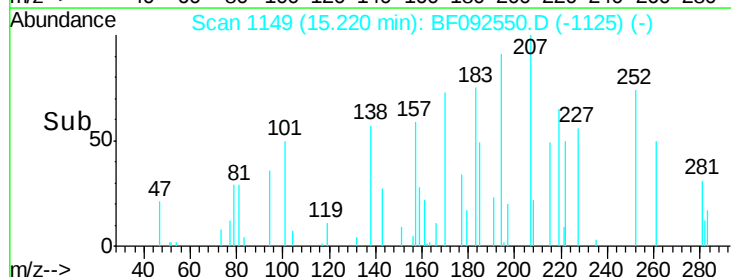
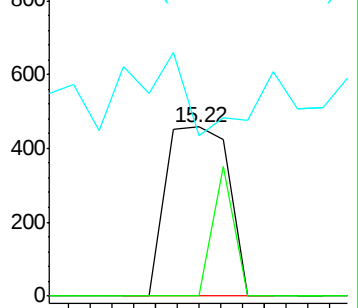
125 95.2 8.9 13.3#

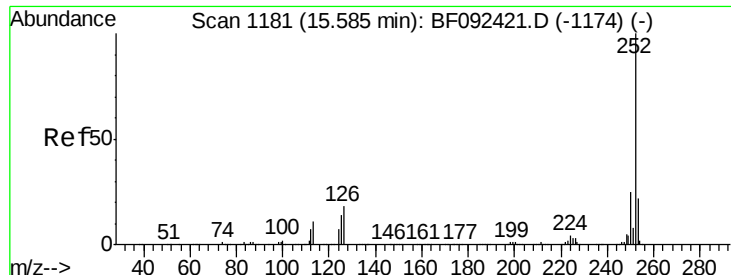


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.02 ng

RT: 15.57 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

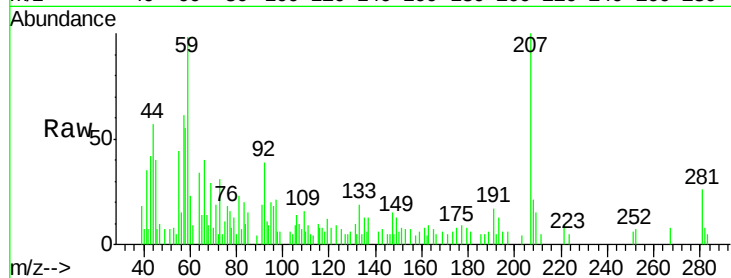
Tot Ion: 252 Resp: 325

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

125 107.4 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

