

Data Path : Z:\HPCHEM1\BNA F\Data\BF071615\
 Data File : BF080533.D
 Acq On : 17 Jul 2015 3:22
 Operator : TP/UM
 Sample : G2973-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5D67

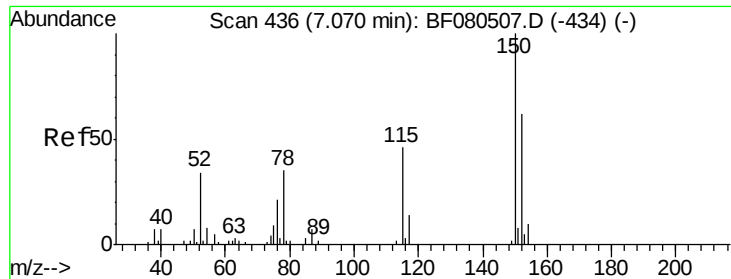
Quant Time: Jul 17 08:33:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 17:11:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	28075	20.00	ng	0.00
21) Naphthalene-d8	8.36	136	121071	20.00	ng	0.00
38) Acenaphthene-d10	10.12	164	54189	20.00	ng	0.00
63) Phenanthrene-d10	11.61	188	107489	20.00	ng	0.00
75) Chrysene-d12	14.40	240	84438	20.00	ng	-0.03
86) Perylene-d12	16.08	264	83500	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	189188	114.88	ng	0.00
7) Phenol-d6	6.72	99	252416	112.87	ng	0.00
23) Nitrobenzene-d5	7.64	82	139578	67.67	ng	0.00
41) 2,4,6-Tribromophenol	10.91	330	50817	120.53	ng	0.00
44) 2-Fluorobiphenyl	9.44	172	288413	72.43	ng	0.00
78) Terphenyl-d14	13.22	244	257247	63.17	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.52	88	210	0.26	ng	# 11
6) Aniline	6.85	93	213	0.07	ng	# 1
9) Benzaldehyde	6.72	77	408	0.27	ng	# 1
10) Phenol	6.73	94	1433	0.60	ng	# 1
11) bis(2-Chloroethyl)ether	6.85	93	213	0.12	ng	# 1
15) Benzyl Alcohol	7.23	79	2747	1.76	ng	# 27
19) n-Nitroso-di-n-propylamine	7.64	70	17470	12.87	ng	# 61
24) Nitrobenzene	7.64	77	344	0.17	ng	# 20
25) Isophorone	7.64	82	139593	38.32	ng	# 58
45) 1,1'-Biphenyl	9.44	154	541	0.12	ng	# 1
47) 2-Nitroaniline	9.82	65	419	0.49	ng	# 1
49) Dimethylphthalate	9.82	163	43766	11.78	ng	# 97
50) 2,6-Dinitrotoluene	9.82	165	514	0.71	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	6706	6.36	ng	# 31
57) Fluorene	10.91	166	2572	0.69	ng	# 91
65) n-Nitrosodiphenylamine	10.91	169	1653	0.45	ng	# 36
66) 4-Bromophenyl-phenylether	10.91	248	3752	3.58	ng	# 1
77) Pyrene	13.22	202	827	0.15	ng	# 40

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

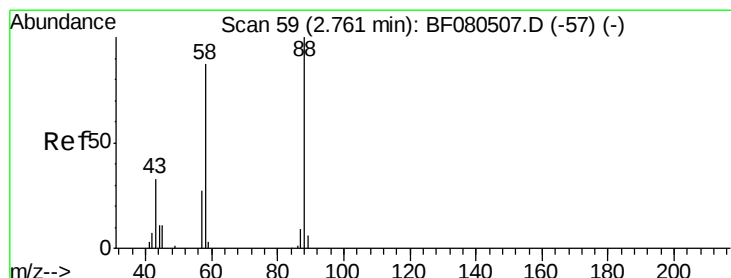
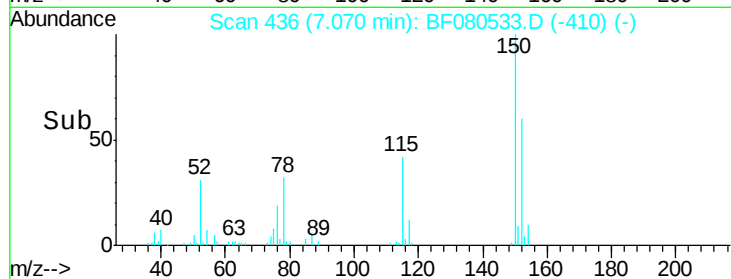
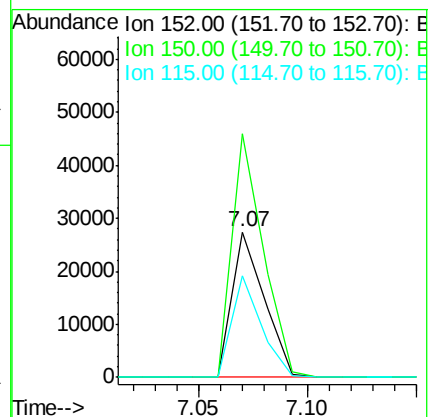
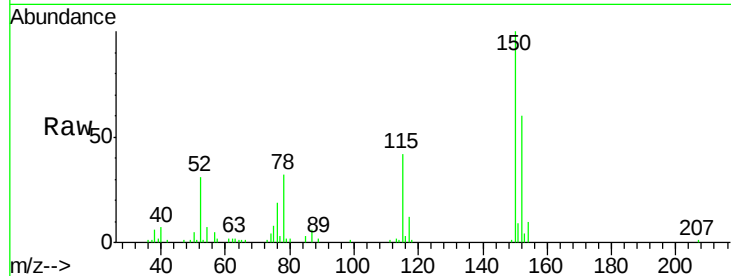
Tot Ion:152 Resp: 28075

Ion Ratio Lower Upper

152 100

150 167.2 124.7 187.1

115 70.0 39.0 58.4#



#2

1,4-Dioxane

Concen: 0.26 ng

RT: 2.52 min Scan# 38

Delta R.T. -0.24 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

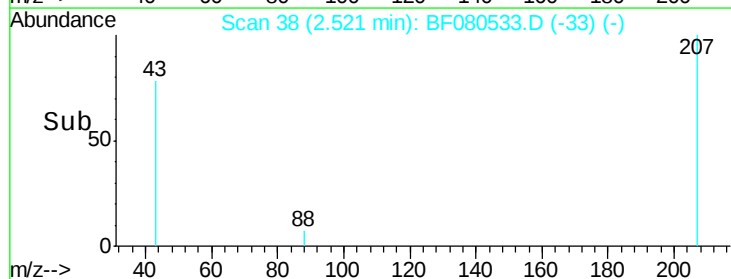
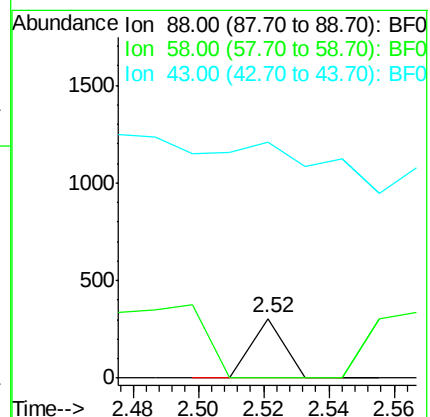
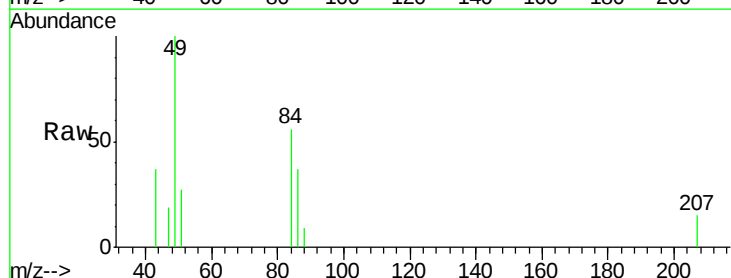
Tgt Ion: 88 Resp: 210

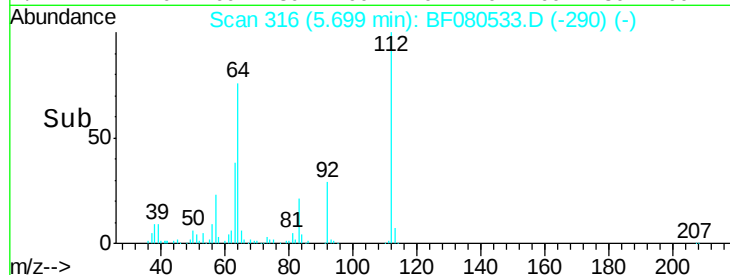
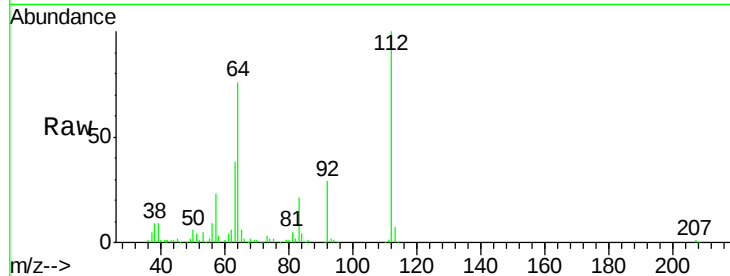
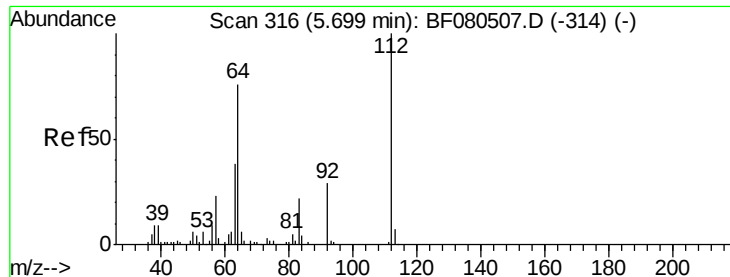
Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 114.88 ng

RT: 5.70 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

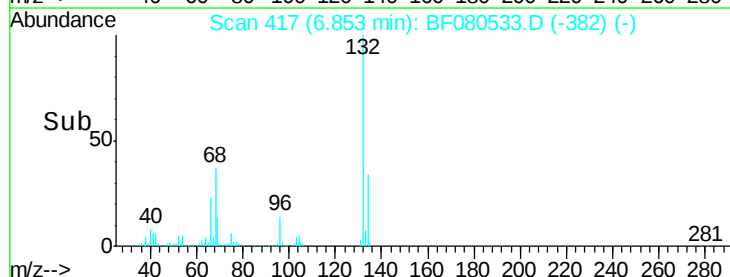
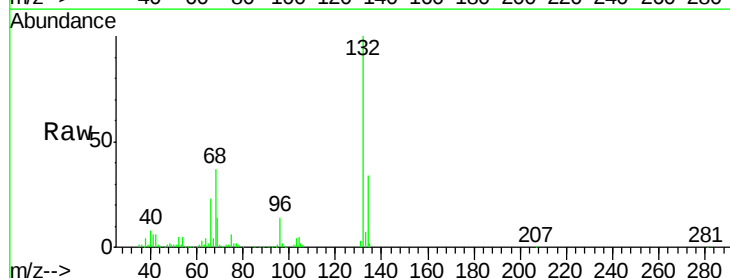
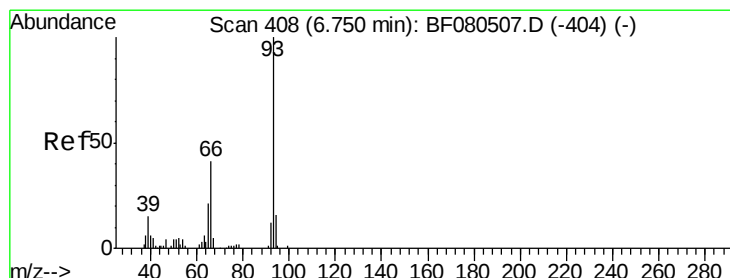
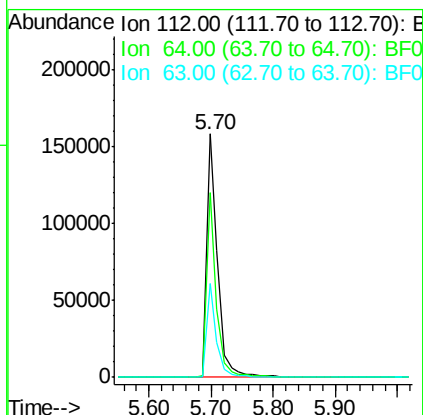
Tot Ion:112 Resp: 189188

Ion Ratio Lower Upper

112 100

64 75.8 39.7 59.5#

63 38.5 17.4 26.0#



#6

Aniline

Concen: 0.07 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.10 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

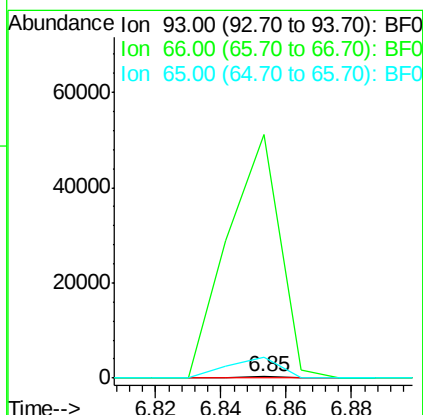
Tgt Ion: 93 Resp: 213

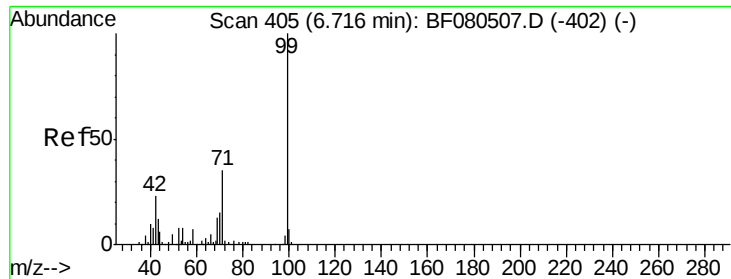
Ion Ratio Lower Upper

93 100

66 16439.9 27.2 40.8#

65 1382.3 14.7 22.1#





#7

Phenol-d6

Concen: 112.87 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

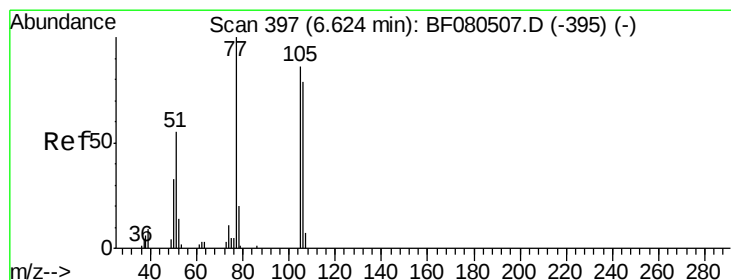
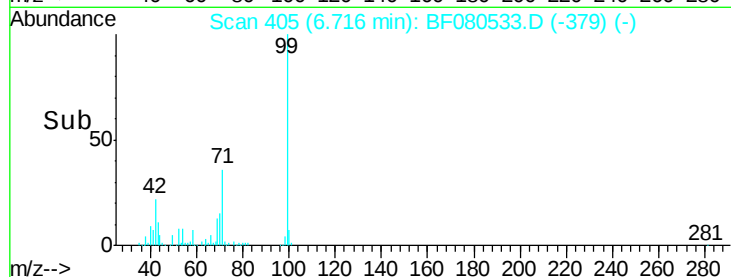
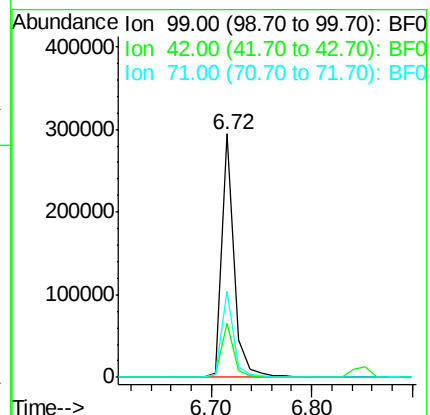
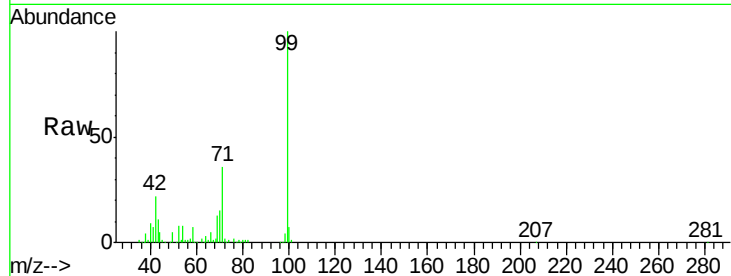
Tot Ion: 99 Resp: 252416

Ion Ratio Lower Upper

99 100

42 22.4 13.7 20.5#

71 35.6 14.2 21.2#



#9

Benzaldehyde

Concen: 0.27 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.09 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

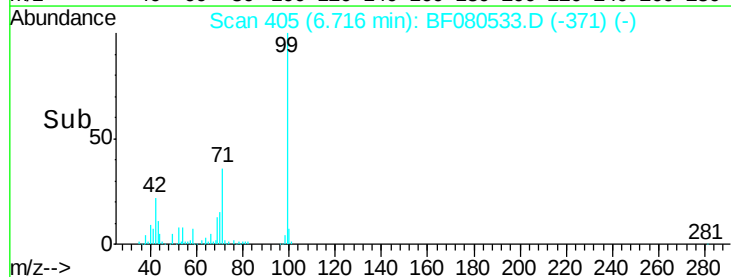
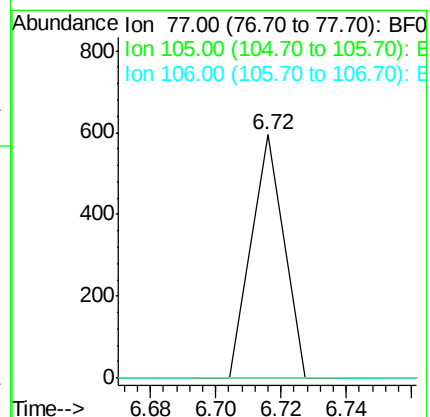
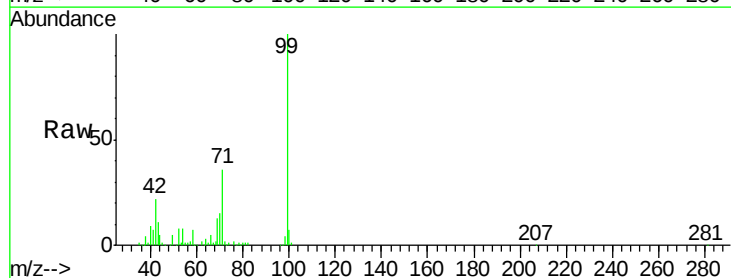
Tgt Ion: 77 Resp: 408

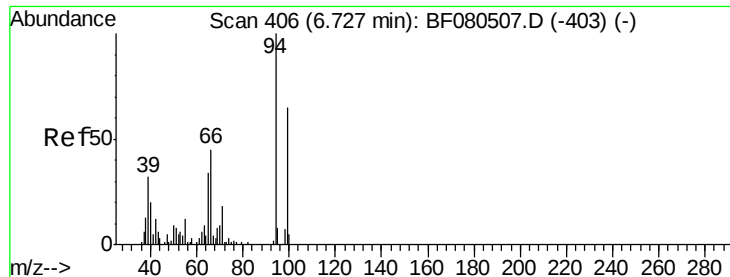
Ion Ratio Lower Upper

77 100

105 0.0 91.6 131.6#

106 0.0 102.6 142.6#





#10

Phenol

Concen: 0.60 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

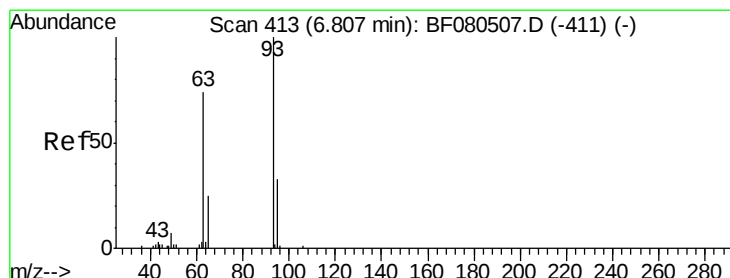
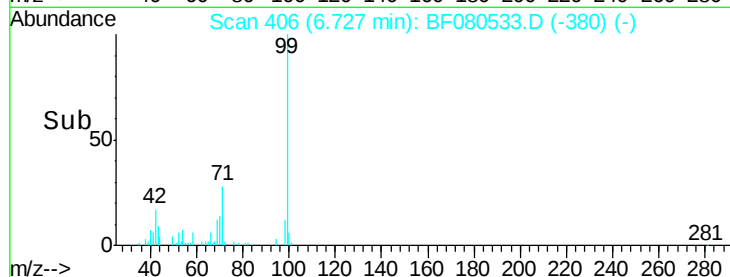
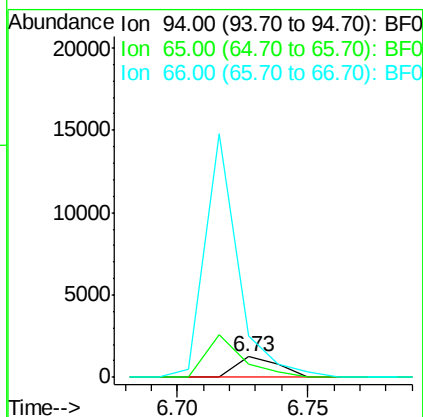
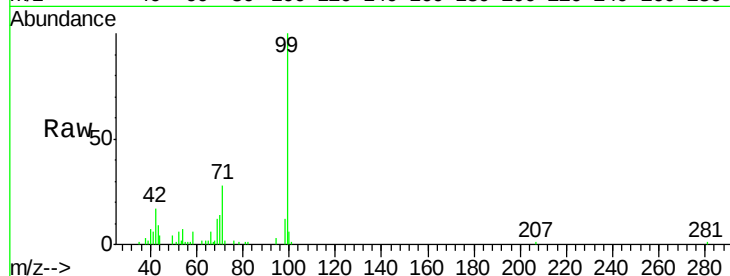
Tot Ion: 94 Resp: 1433

Ion Ratio Lower Upper

94 100

65 61.8 0.7 40.7#

66 199.0 0.8 40.8#



#11

bis(2-Chloroethyl)ether

Concen: 0.12 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.05 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

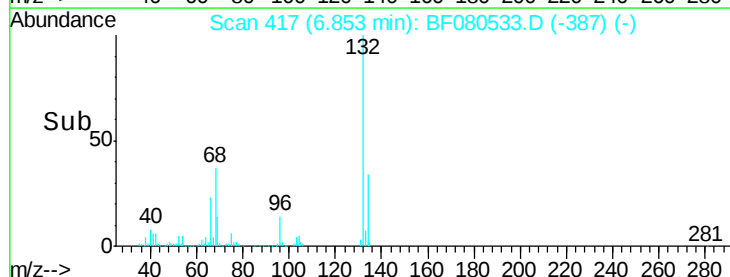
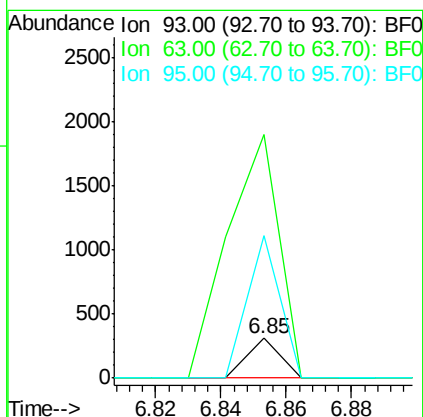
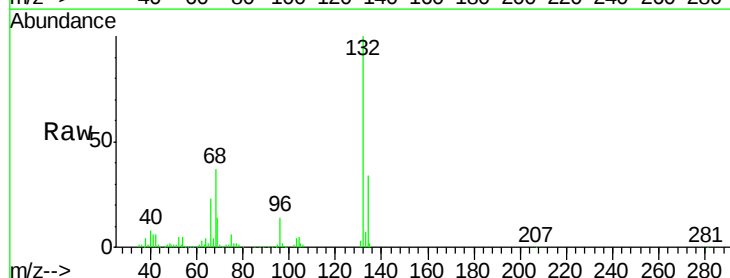
Tgt Ion: 93 Resp: 213

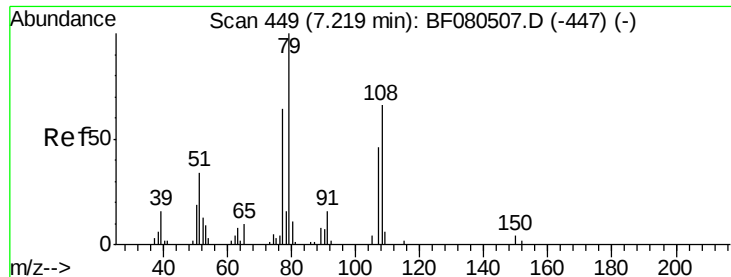
Ion Ratio Lower Upper

93 100

63 610.6 65.6 105.6#

95 357.6 13.6 53.6#





#15

Benzyl Alcohol

Concen: 1.76 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

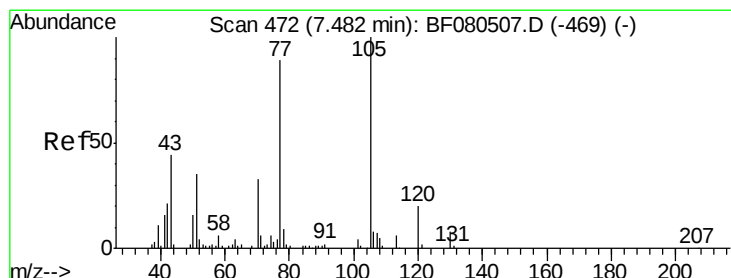
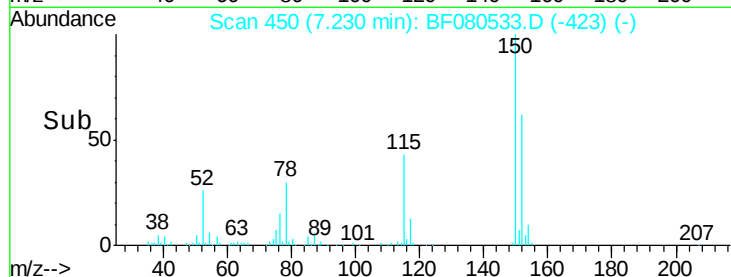
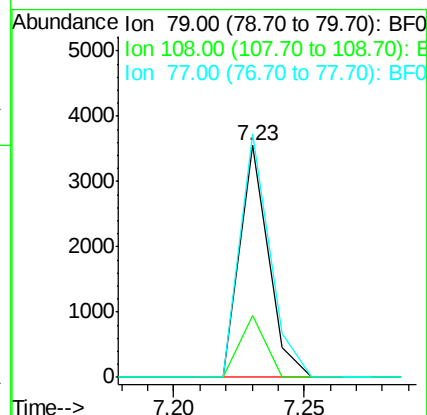
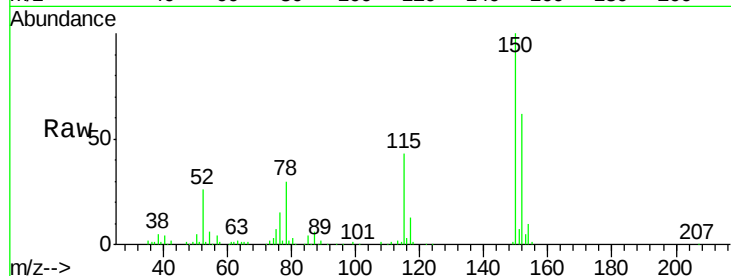
Tot Ion: 79 Resp: 2747

Ion Ratio Lower Upper

79 100

108 26.5 88.6 132.8#

77 105.1 47.0 70.4#



#19

n-Nitroso-di-n-propylamine

Concen: 12.87 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.16 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Tgt Ion: 70 Resp: 17470

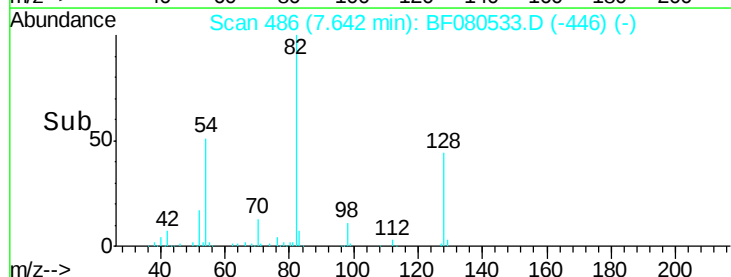
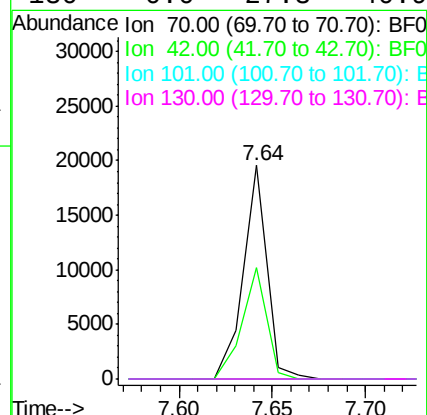
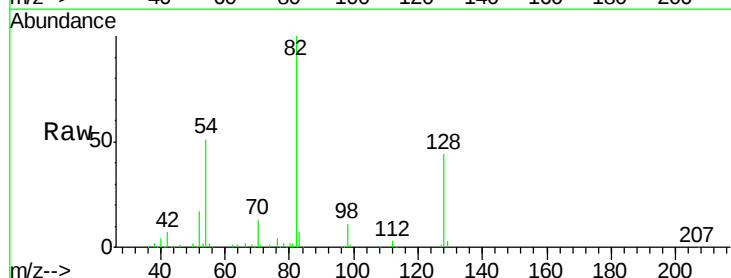
Ion Ratio Lower Upper

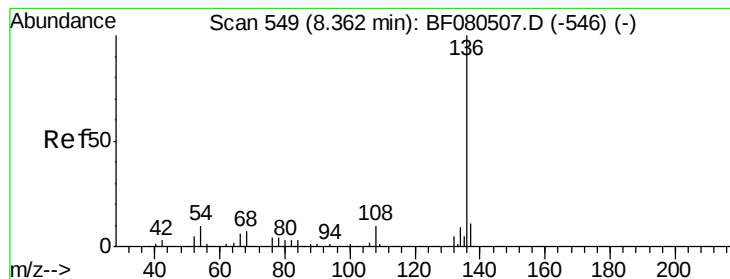
70 100

42 52.3 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.36 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

Tot Ion:136 Resp: 121071

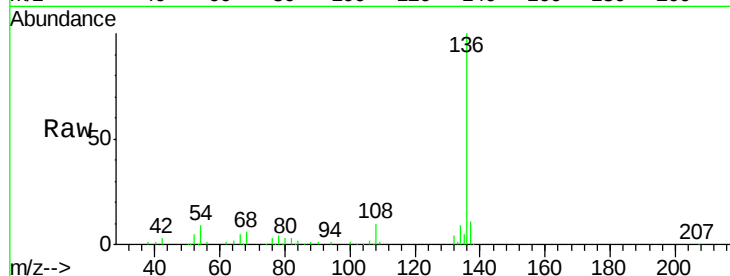
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 9.1 8.2 12.2

68 6.3 5.8 8.6

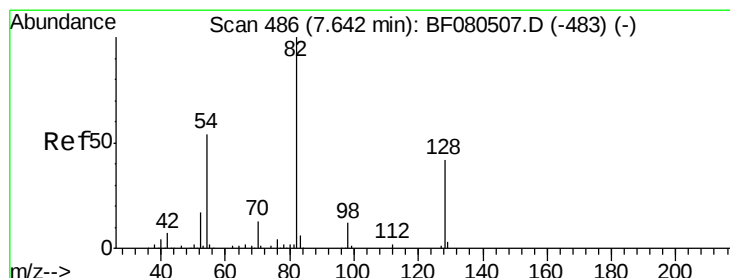
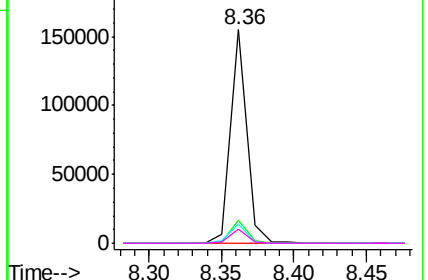
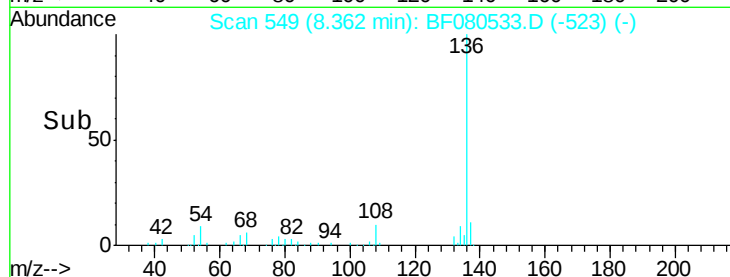


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 67.67 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

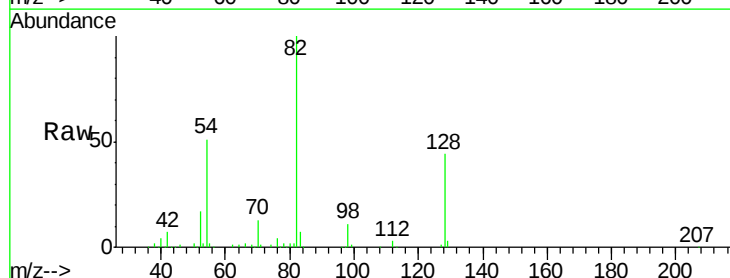
Tgt Ion: 82 Resp: 139578

Ion Ratio Lower Upper

82 100

128 43.9 51.0 76.6#

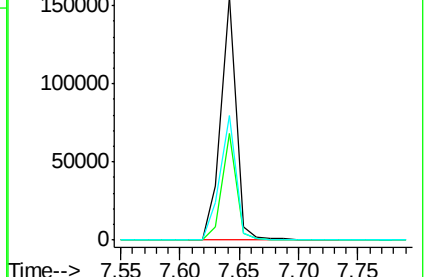
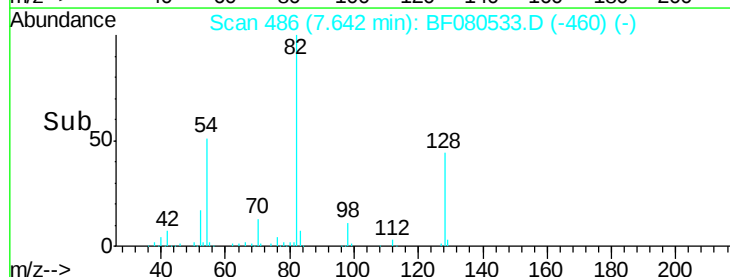
54 51.4 47.5 71.3

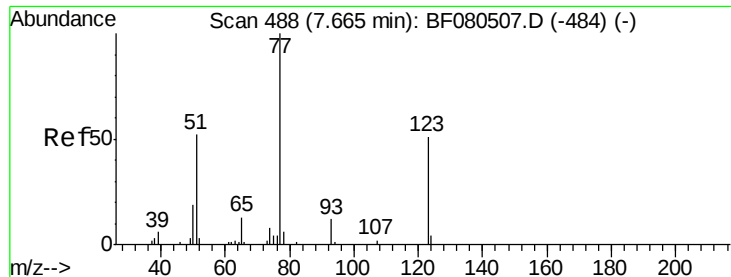


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

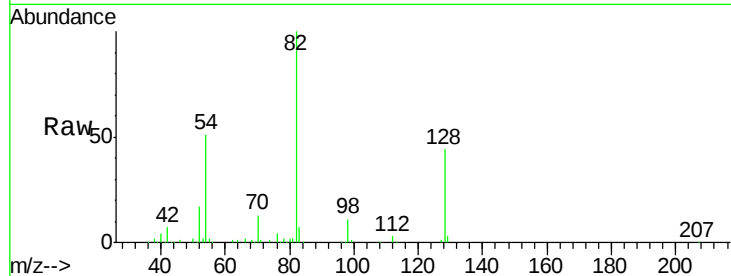




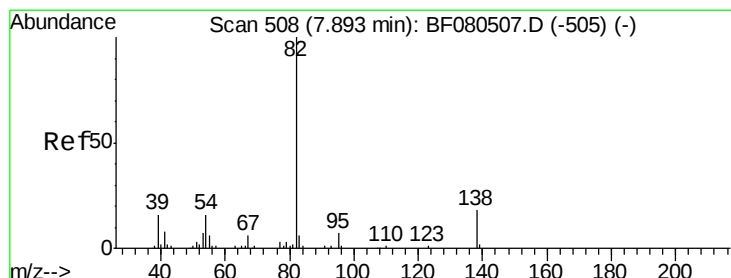
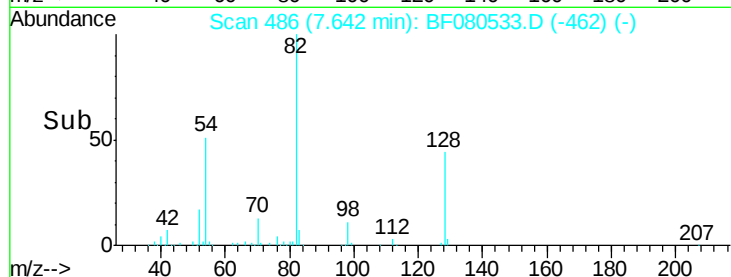
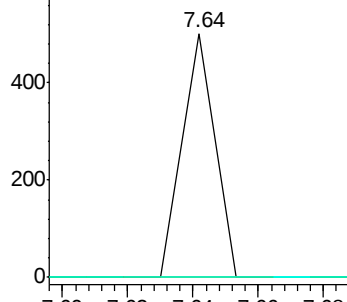
#24
 Nitrobenzene
 Concen: 0.17 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-5D67

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	59.8	89.8#
65	0.0	10.2	15.4#

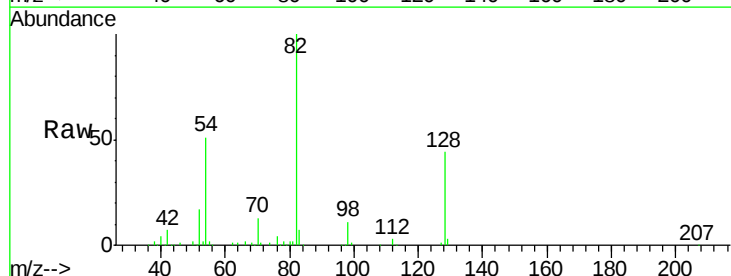


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0

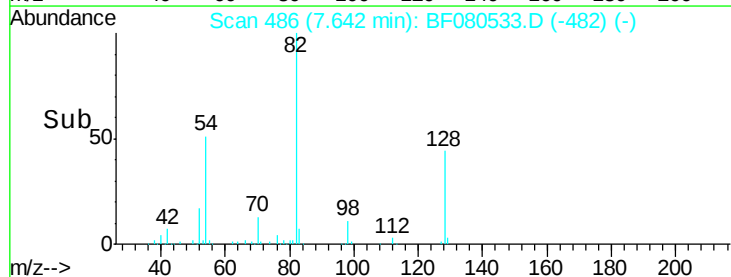
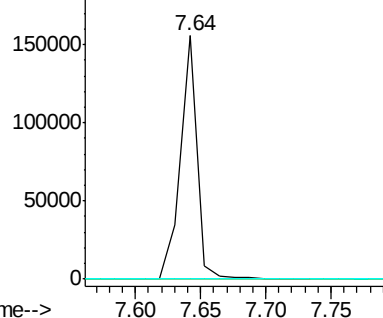


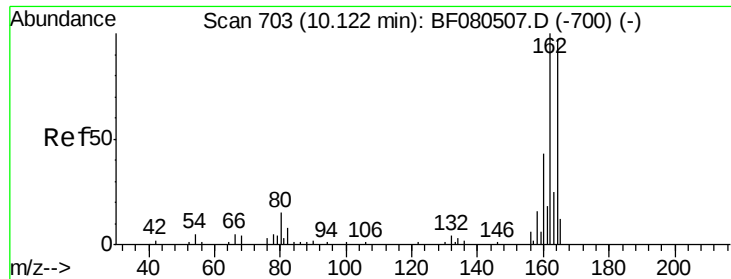
#25
 Isophorone
 Concen: 38.32 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.25 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	4.0	6.0#
138	0.0	18.3	27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

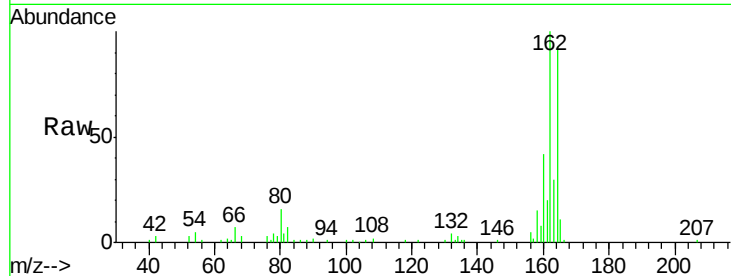
Tot Ion:164 Resp: 54189

Ion Ratio Lower Upper

164 100

162 107.5 75.2 112.8

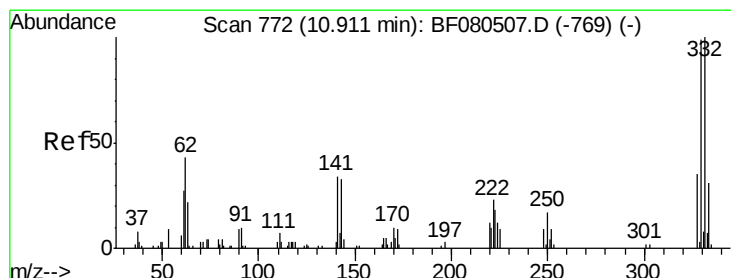
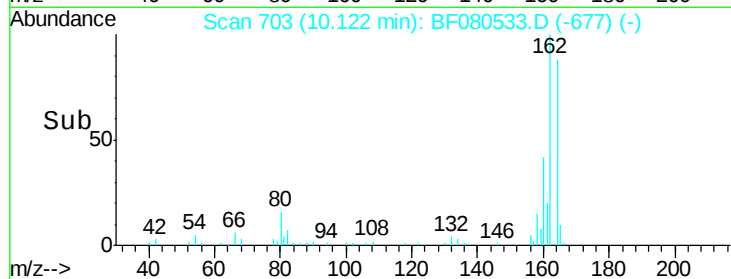
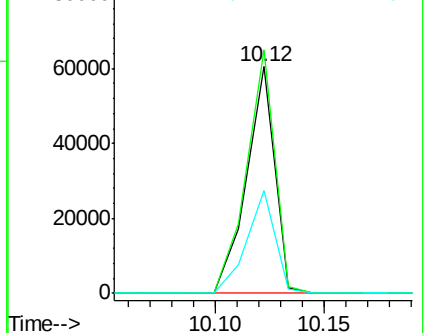
160 45.2 31.5 47.3



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: 120.53 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.00 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

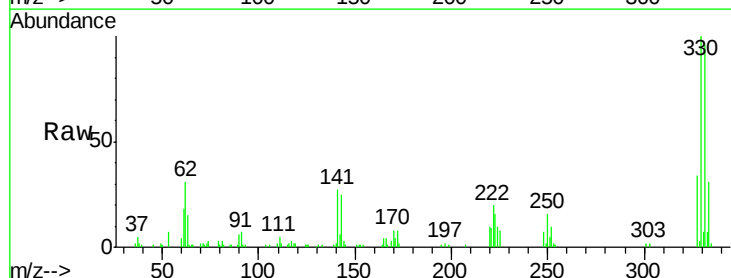
Tgt Ion:330 Resp: 50817

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

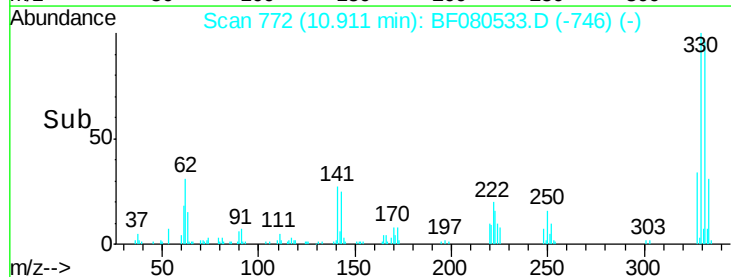
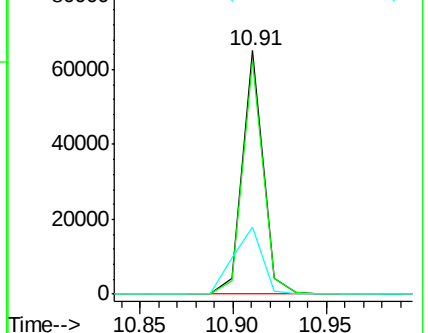
141 37.8 29.7 44.5

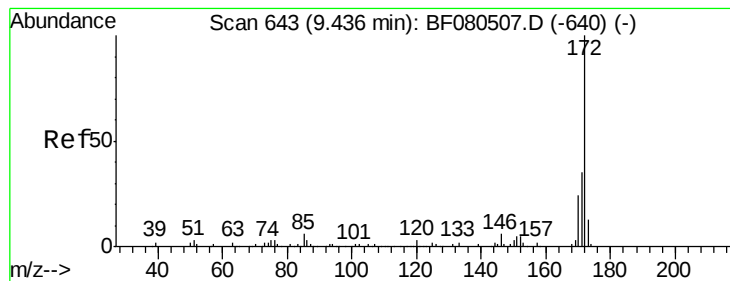


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

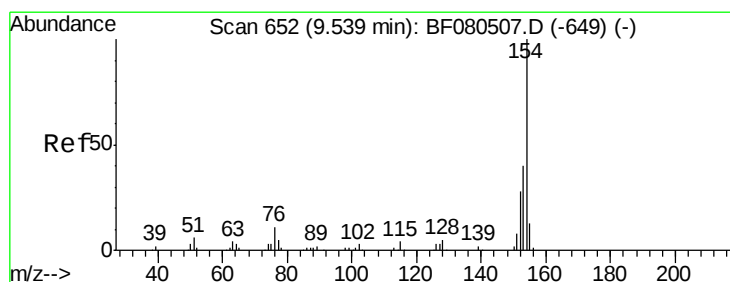
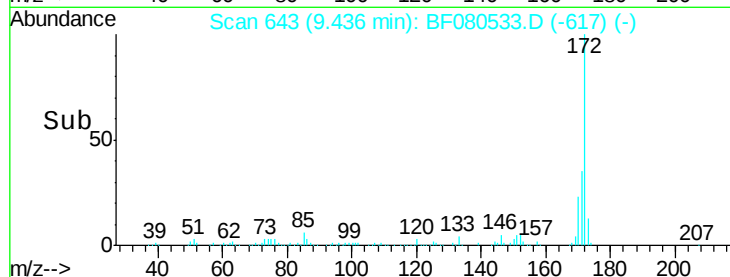
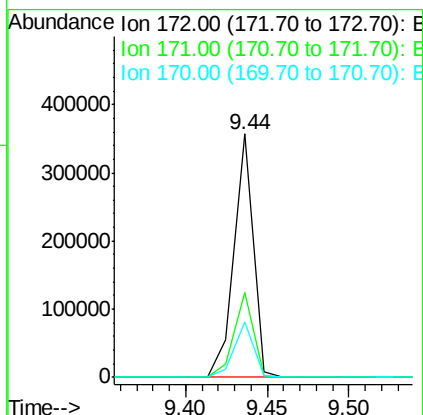
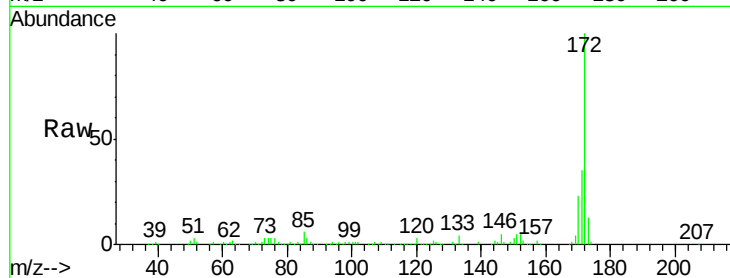




#44
2-Fluorobiphenyl
Concen: 72.43 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.00 min
Lab File: BF080533.D
Acq: 17 Jul 2015 3:22

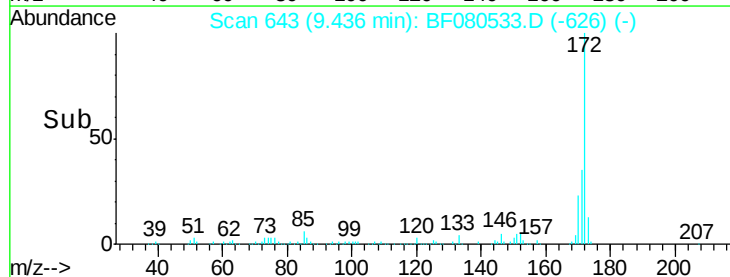
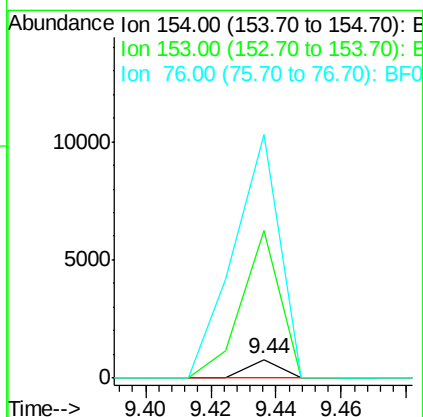
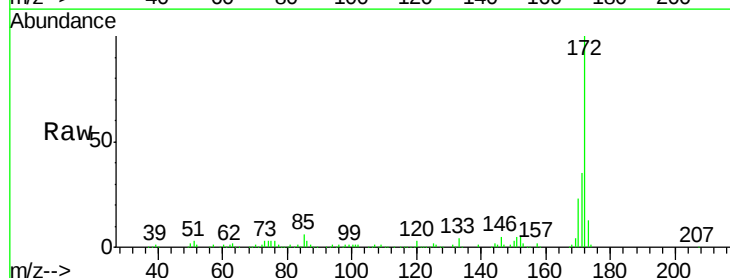
Instrument :
BNA_F
ClientSampleId :
TP-5D67

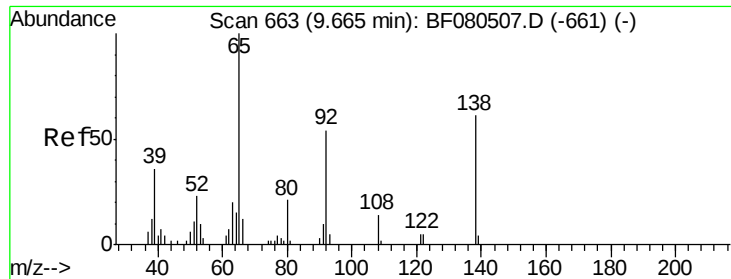
Tot Ion:172 Resp: 288413
Ion Ratio Lower Upper
172 100
171 34.8 26.1 39.1
170 23.0 17.4 26.2



#45
1,1'-Biphenyl
Concen: 0.12 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.10 min
Lab File: BF080533.D
Acq: 17 Jul 2015 3:22

Tgt Ion:154 Resp: 541
Ion Ratio Lower Upper
154 100
153 793.9 17.1 57.1#
76 1304.9 0.0 31.6#

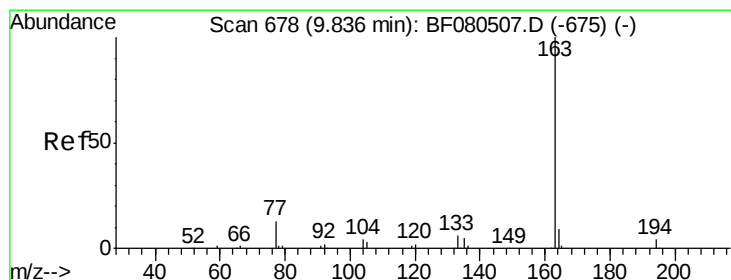
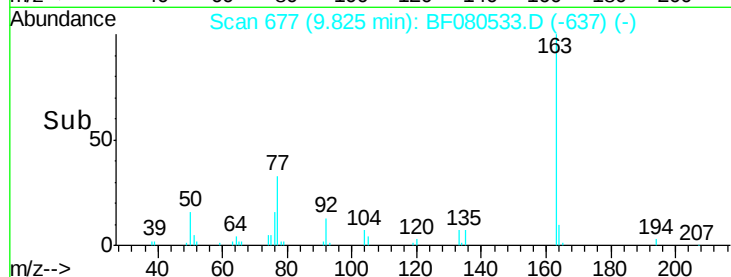
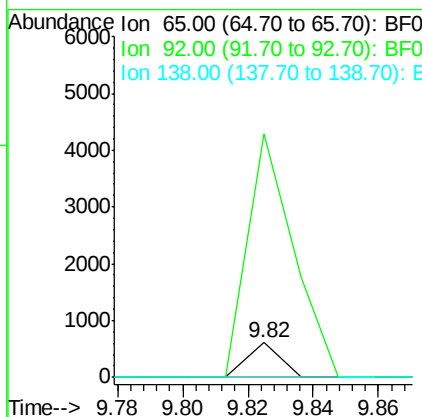
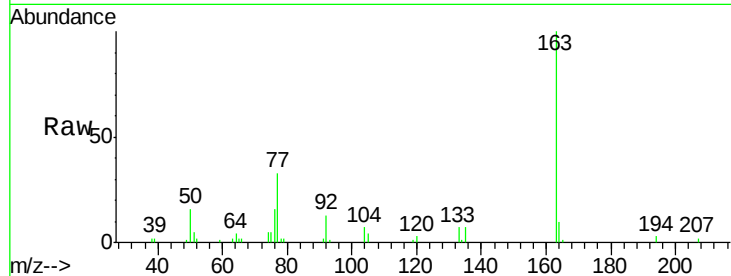




#47
2-Nitroaniline
Concen: 0.49 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.16 min
Lab File: BF080533.D
Acq: 17 Jul 2015 3:22

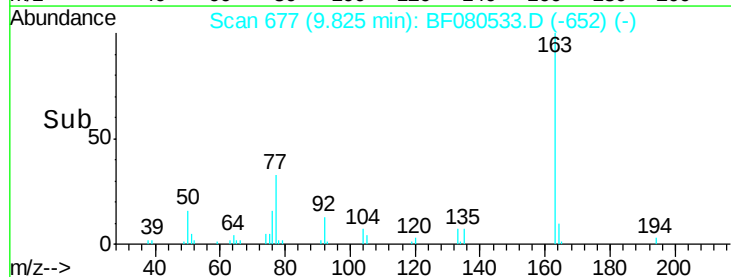
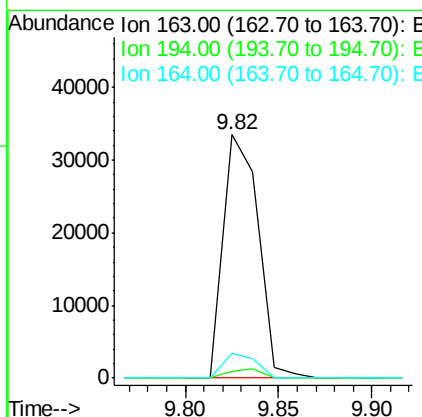
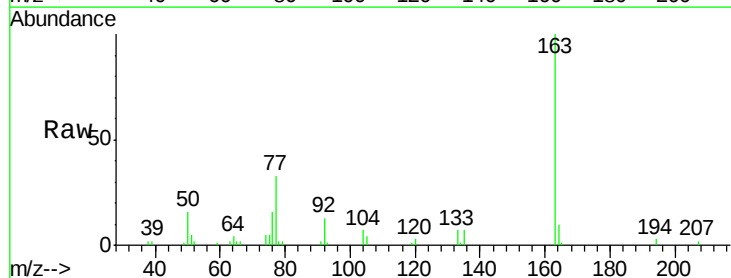
Instrument :
BNA_F
ClientSampleId :
TP-5D67

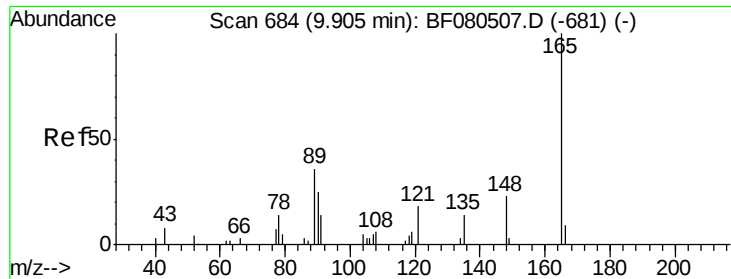
Tot Ion: 65 Resp: 419
Ion Ratio Lower Upper
65 100
92 701.8 55.4 83.0#
138 0.0 115.5 173.3#



#49
Dimethylphthalate
Concen: 11.78 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF080533.D
Acq: 17 Jul 2015 3:22

Tgt Ion: 163 Resp: 43766
Ion Ratio Lower Upper
163 100
194 2.7 4.4 6.6#
164 10.2 8.3 12.5

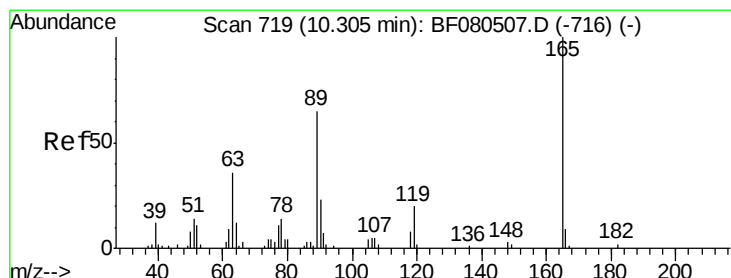
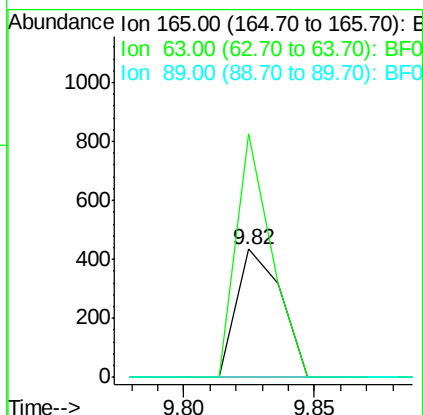
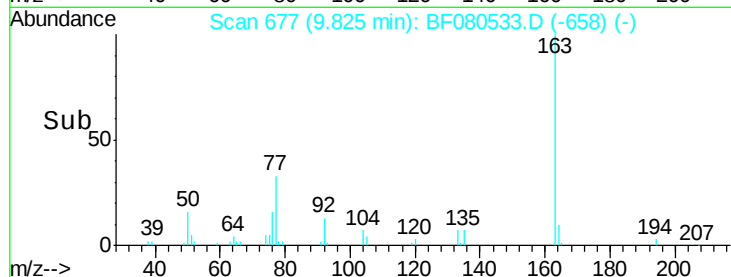
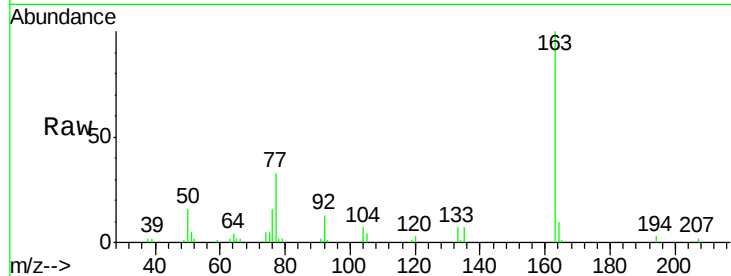




#50
2,6-Dinitrotoluene
Concen: 0.71 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.08 min
Lab File: BF080533.D
Acq: 17 Jul 2015 3:22

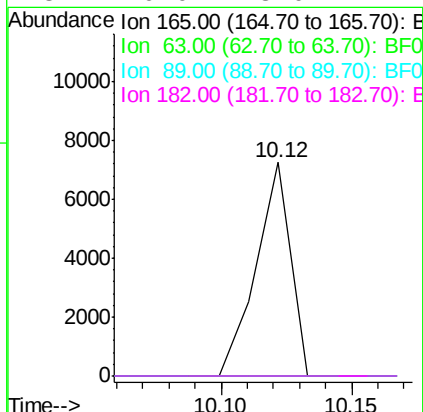
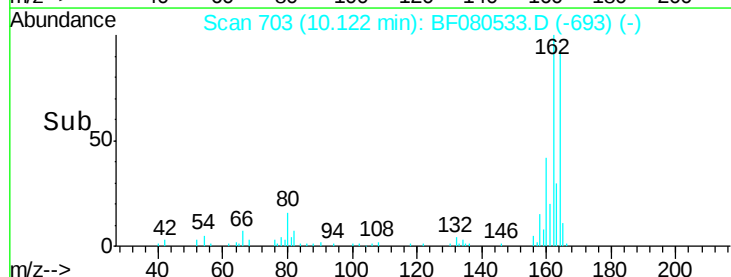
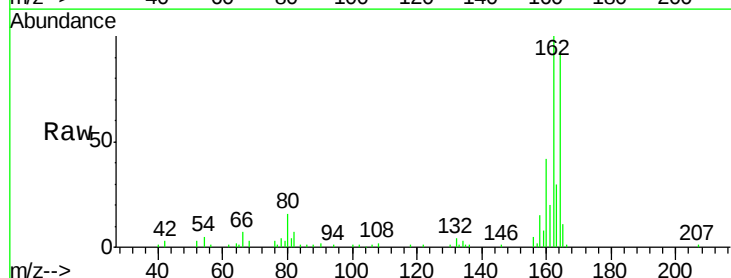
Instrument :
BNA_F
ClientSampleId :
TP-5D67

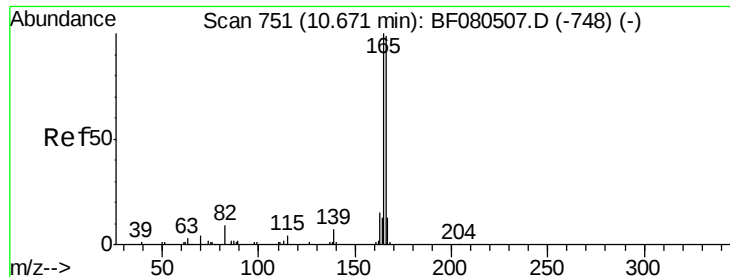
Tot Ion:165 Resp: 514
Ion Ratio Lower Upper
165 100
63 190.3 32.3 48.5#
89 0.0 28.6 43.0#



#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.18 min
Lab File: BF080533.D
Acq: 17 Jul 2015 3:22

Tgt Ion:165 Resp: 6706
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#

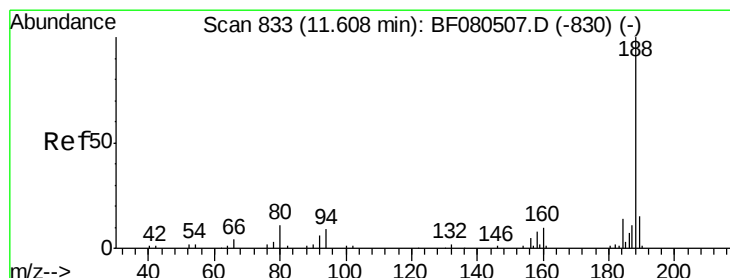
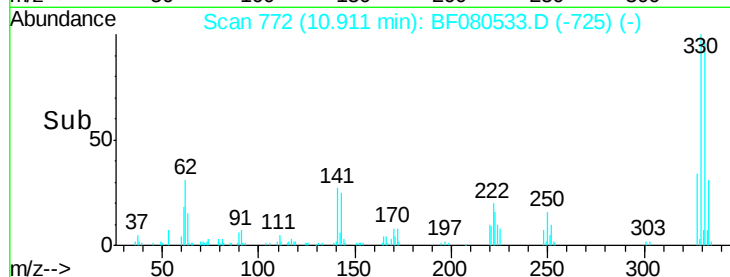
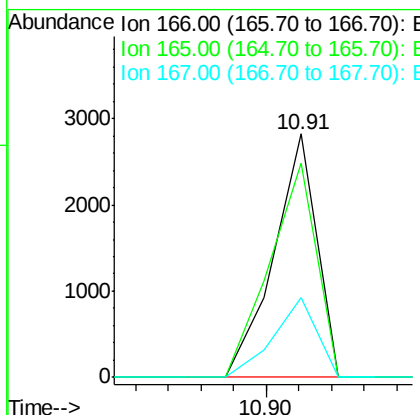
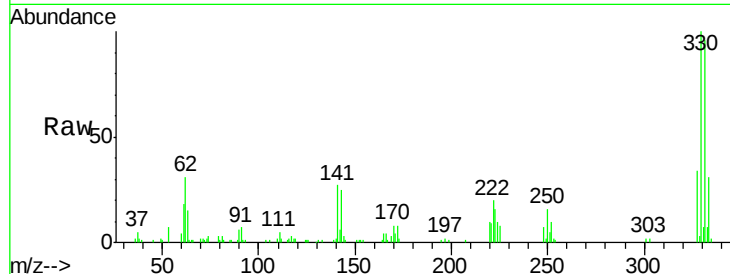




#57
 Fluorene
 Concen: 0.69 ng
 RT: 10.91 min Scan# 772
 Delta R.T. 0.24 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

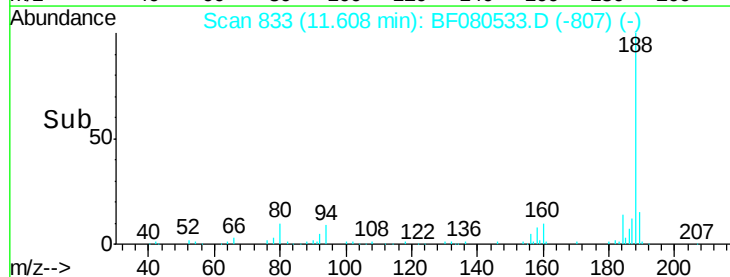
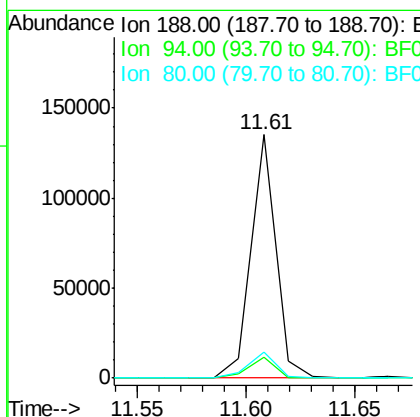
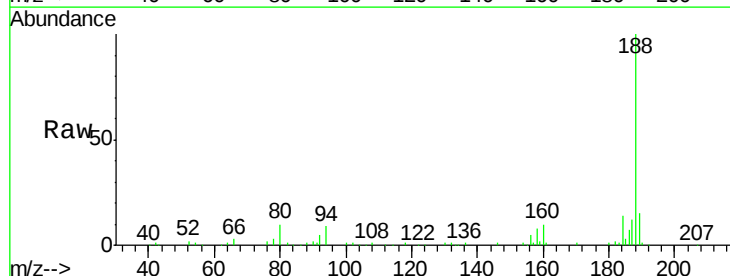
Instrument :
 BNA_F
 ClientSampleId :
 TP-5D67

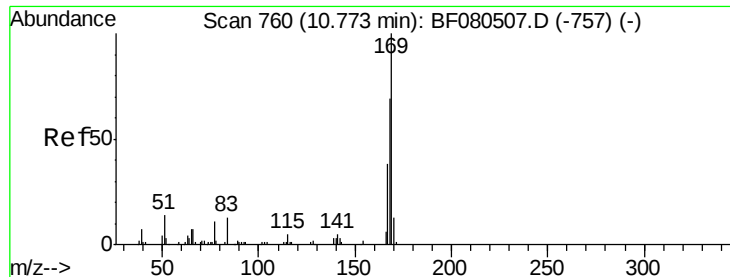
Tot Ion:166 Resp: 2572
 Ion Ratio Lower Upper
 166 100
 165 88.1 72.6 109.0
 167 32.6 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.61 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

Tgt Ion:188 Resp: 107489
 Ion Ratio Lower Upper
 188 100
 94 8.7 11.1 16.7#
 80 10.5 11.0 16.4#





#65

n-Nitrosodiphenylamine

Concen: 0.45 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.14 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

Instrument :

BNA_F

ClientSampleId :

TP-5D67

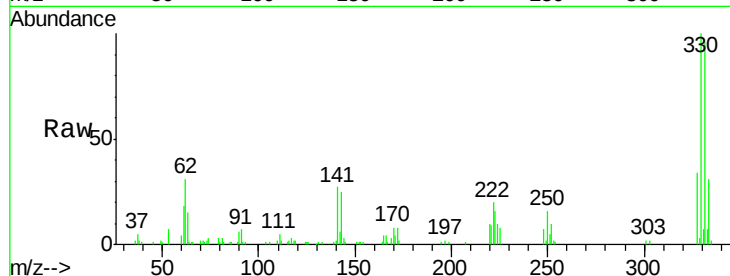
Tot Ion:169 Resp: 1653

Ion Ratio Lower Upper

169 100

168 0.0 48.9 73.3#

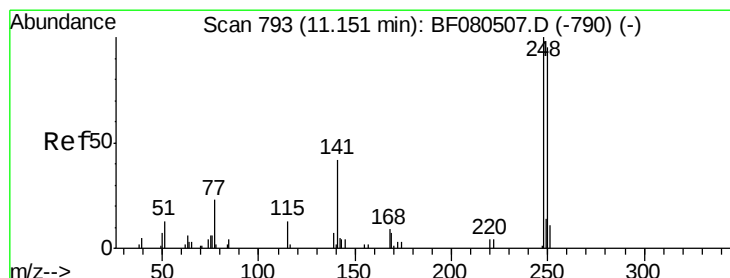
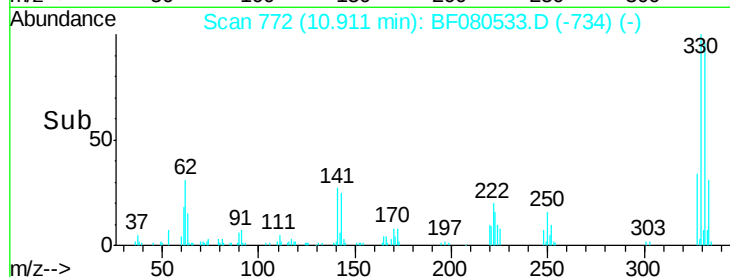
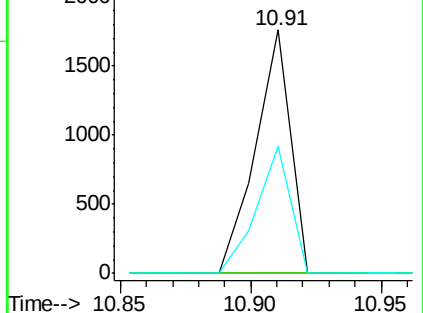
167 52.1 26.2 39.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.58 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.24 min

Lab File: BF080533.D

Acq: 17 Jul 2015 3:22

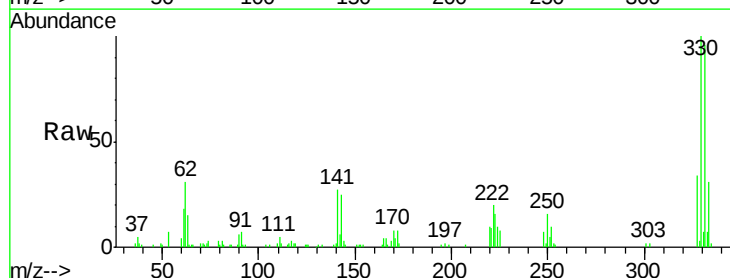
Tgt Ion:248 Resp: 3752

Ion Ratio Lower Upper

248 100

250 211.5 78.5 117.7#

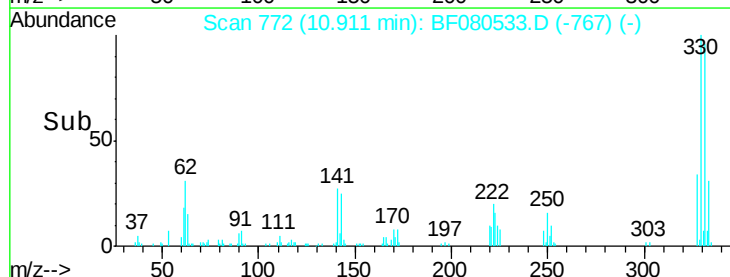
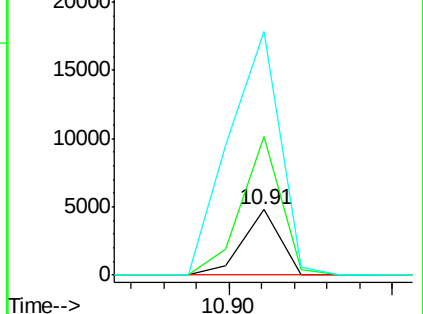
141 371.7 59.0 88.6#

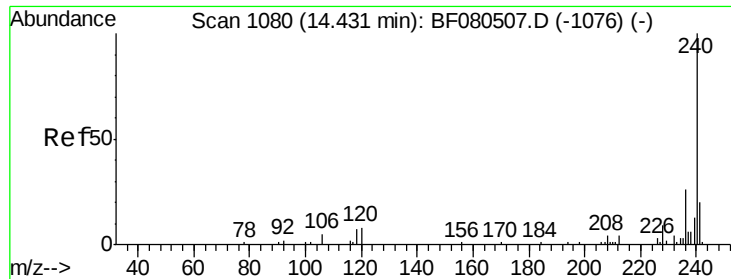


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

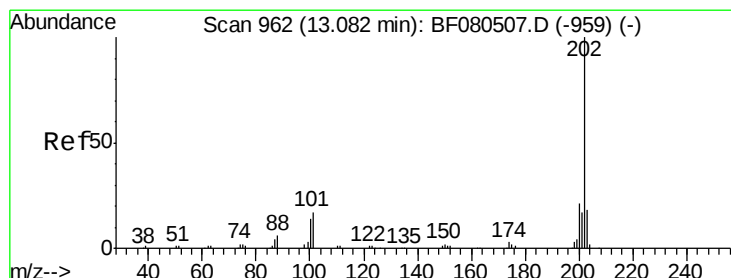
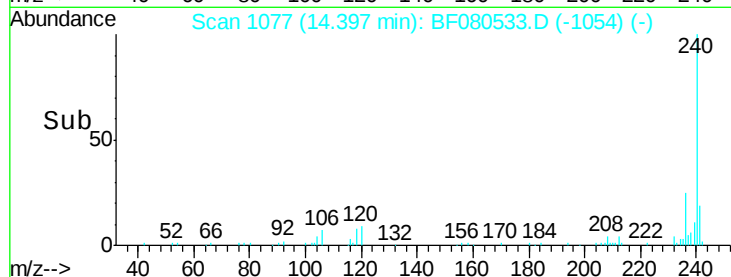
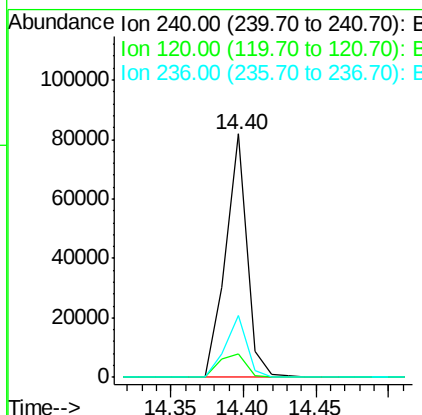
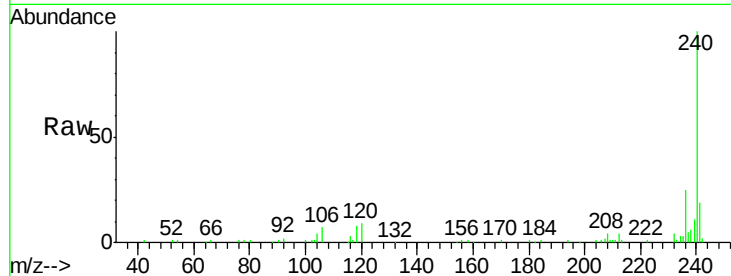




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.40 min Scan# 1077
 Delta R.T. -0.03 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

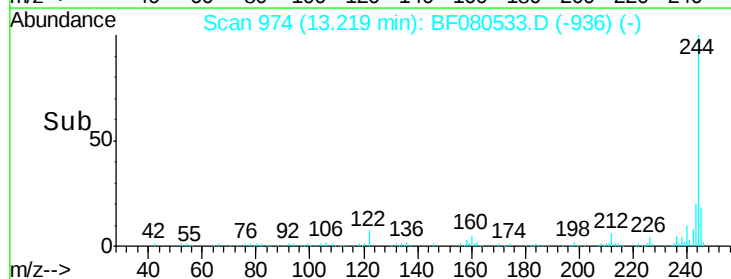
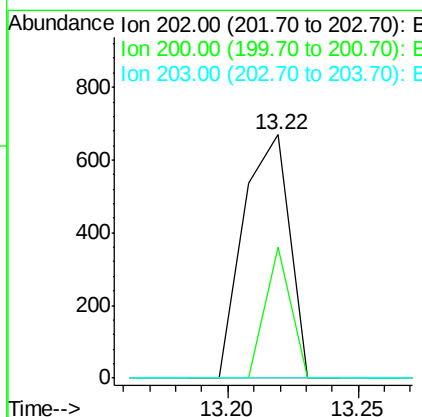
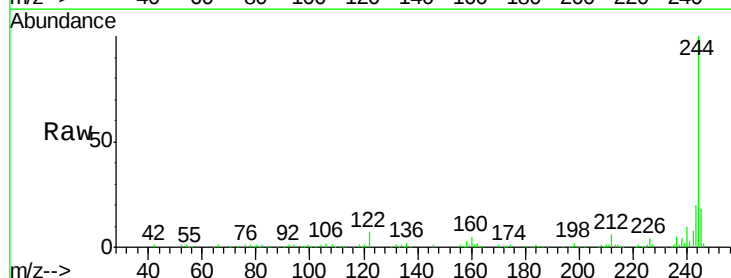
Instrument :
 BNA_F
 ClientSampleId :
 TP-5D67

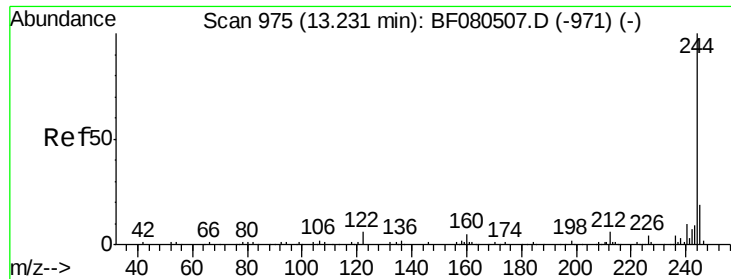
Tot Ion:240 Resp: 84438
 Ion Ratio Lower Upper
 240 100
 120 9.4 16.2 24.2#
 236 25.2 18.4 27.6



#77
 Pyrene
 Concen: 0.15 ng
 RT: 13.22 min Scan# 974
 Delta R.T. 0.14 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

Tgt Ion:202 Resp: 827
 Ion Ratio Lower Upper
 202 100
 200 53.9 15.0 22.4#
 203 0.0 14.1 21.1#

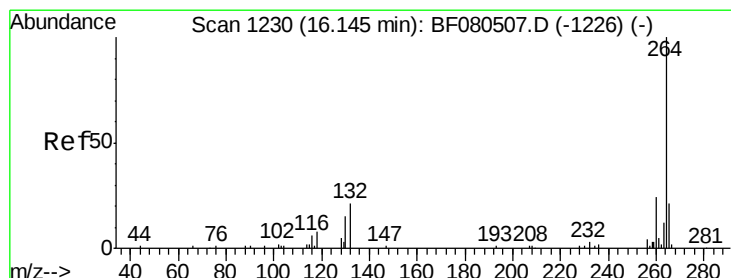
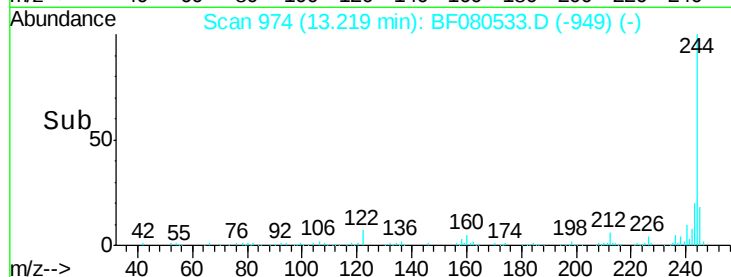
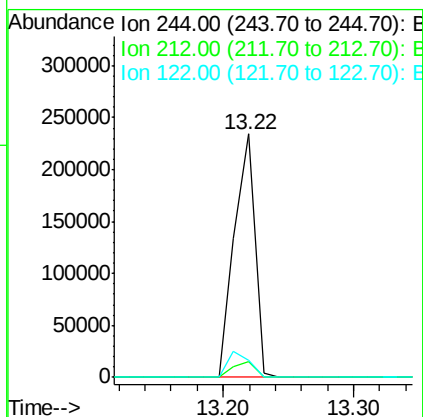
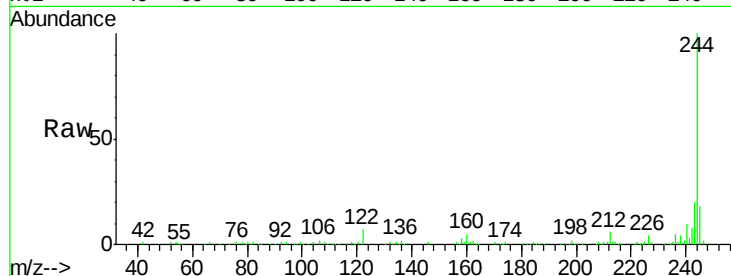




#78
 Terphenyl-d14
 Concen: 63.17 ng
 RT: 13.22 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-5D67

Tot Ion:244 Resp: 257247
 Ion Ratio Lower Upper
 244 100
 212 6.5 4.3 6.5
 122 6.9 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 1224
 Delta R.T. -0.07 min
 Lab File: BF080533.D
 Acq: 17 Jul 2015 3:22

Tgt Ion:264 Resp: 83500
 Ion Ratio Lower Upper
 264 100
 260 23.3 16.7 25.1
 265 21.3 17.2 25.8

