

Data Path : Z:\HPCHEM1\BNA F\Data\BF071615\
 Data File : BF080520.D
 Acq On : 16 Jul 2015 20:15
 Operator : TP/UM
 Sample : PB84482BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB84482BL

Quant Time: Jul 17 06:43:59 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	20661	20.00	ng	0.00
21) Naphthalene-d8	8.36	136	86392	20.00	ng	0.00
38) Acenaphthene-d10	10.12	164	37955	20.00	ng	0.00
63) Phenanthrene-d10	11.61	188	75194	20.00	ng	0.00
75) Chrysene-d12	14.36	240	59670	20.00	ng	-0.07
86) Perylene-d12	16.03	264	55469	20.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	142996	117.99	ng	0.00
7) Phenol-d6	6.72	99	194815	118.37	ng	0.00
23) Nitrobenzene-d5	7.64	82	102024	69.32	ng	0.00
41) 2,4,6-Tribromophenol	10.91	330	37020	125.36	ng	0.00
44) 2-Fluorobiphenyl	9.44	172	234605	84.11	ng	0.00
78) Terphenyl-d14	13.21	244	234692	81.55	ng	-0.02

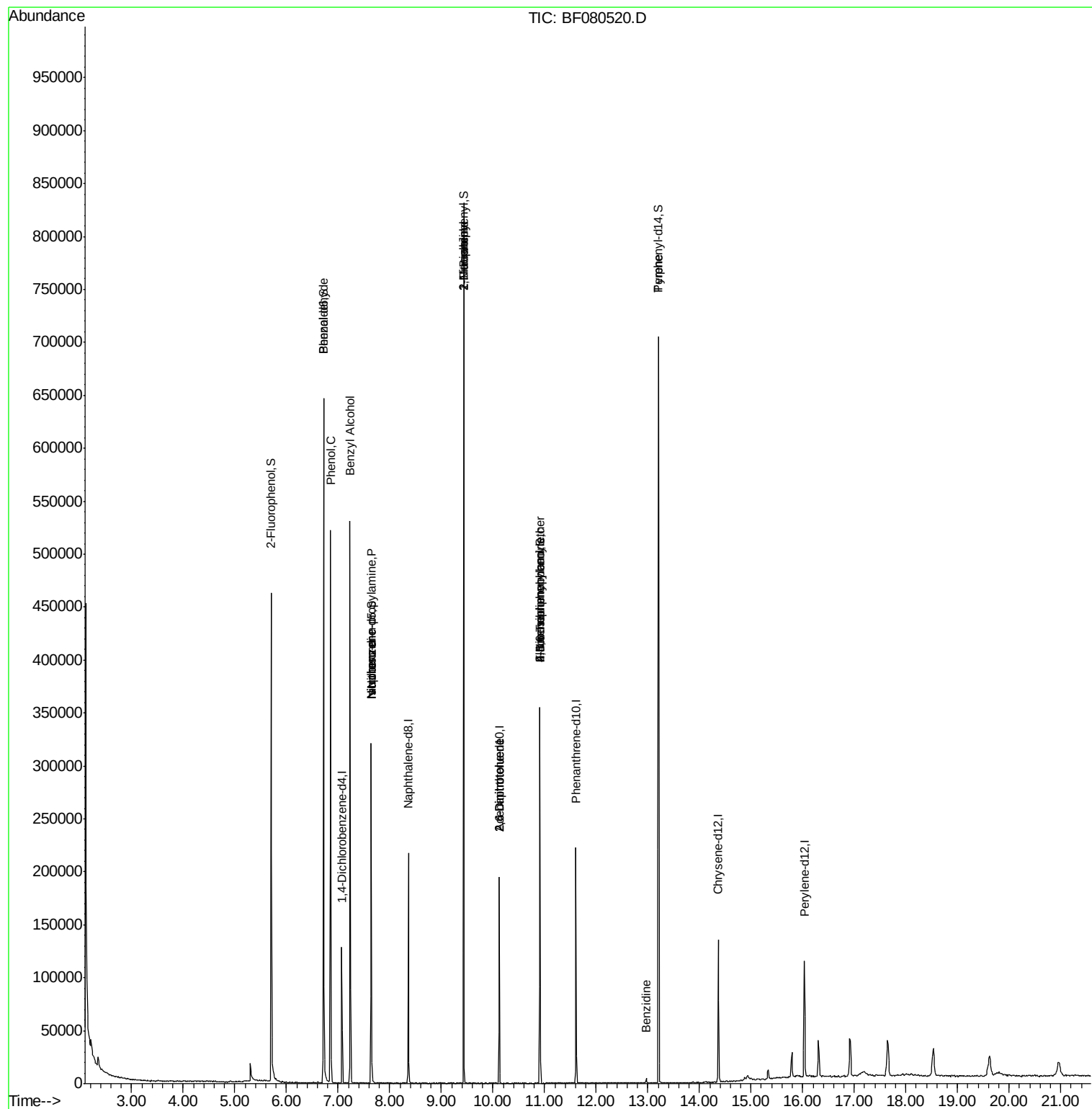
Target Compounds						Qvalue
9) Benzaldehyde	6.72	77	226	0.20	ng	# 1
10) Phenol	6.85	94	258	0.15	ng	# 1
15) Benzyl Alcohol	7.23	79	2220	1.93	ng	# 29
19) n-Nitroso-di-n-propylamine	7.64	70	12654	12.67	ng	# 59
24) Nitrobenzene	7.64	77	272	0.18	ng	# 20
25) Isophorone	7.64	82	102021	39.24	ng	# 58
45) 1,1'-Biphenyl	9.44	154	368	0.12	ng	# 1
47) 2-Nitroaniline	9.44	65	294	0.49	ng	# 1
50) 2,6-Dinitrotoluene	10.12	165	4585	9.00	ng	# 37
56) 2,4-Dinitrotoluene	10.12	165	4585	6.21	ng	# 31
57) Fluorene	10.91	166	2003	0.77	ng	# 91
65) n-Nitrosodiphenylamine	10.91	169	1394	0.55	ng	# 47
66) 4-Bromophenyl-phenylether	10.91	248	2885	3.94	ng	# 1
76) Benzidine	12.97	184	4478	2.28	ng	97
77) Pyrene	13.21	202	633	0.16	ng	# 50

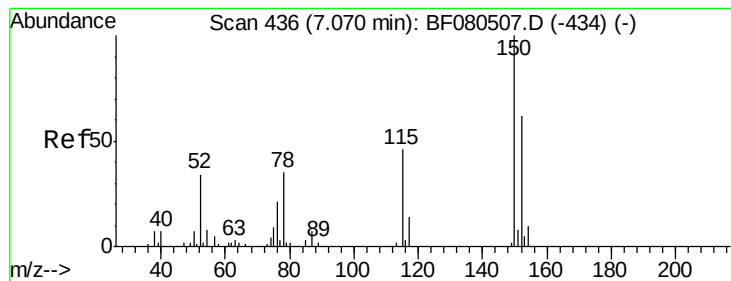
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampleId :

PB84482BL

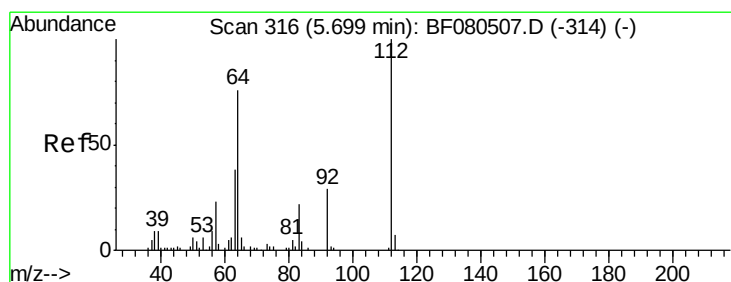
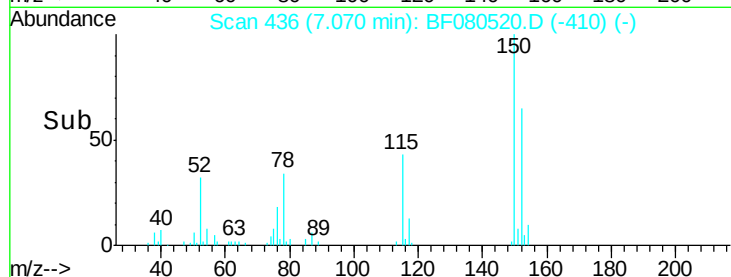
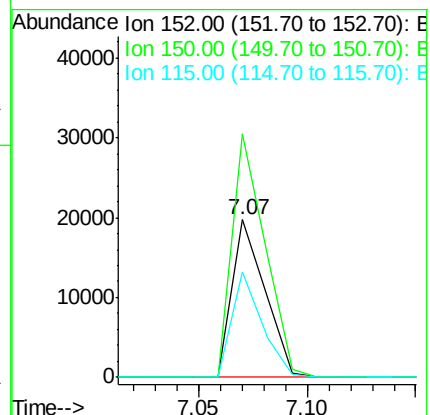
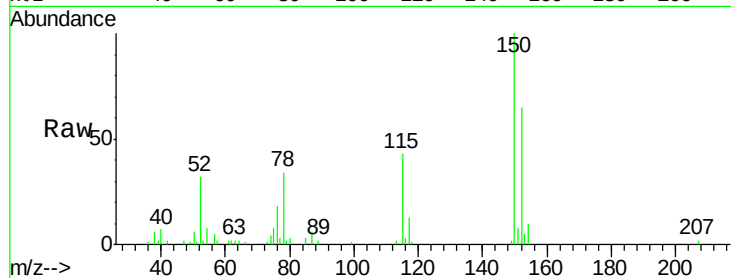
Tot Ion:152 Resp: 20661

Ion Ratio Lower Upper

152 100

150 154.7 124.7 187.1

115 66.6 39.0 58.4#



#5

2-Fluorophenol

Concen: 117.99 ng

RT: 5.70 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

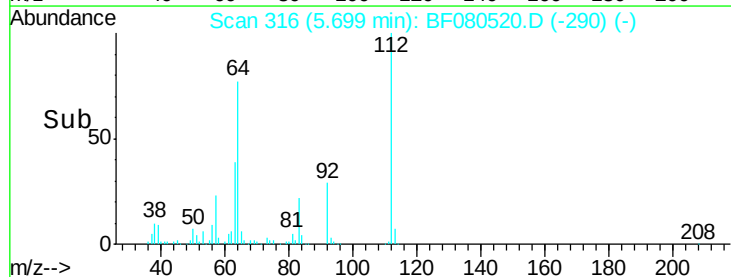
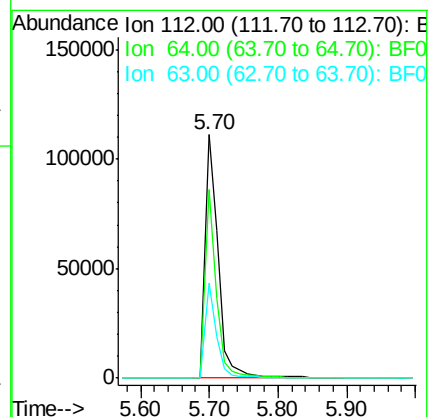
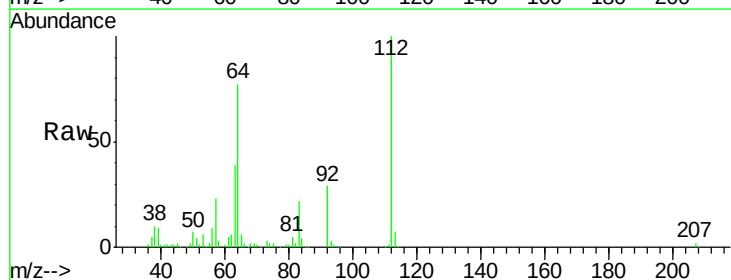
Tgt Ion:112 Resp: 142996

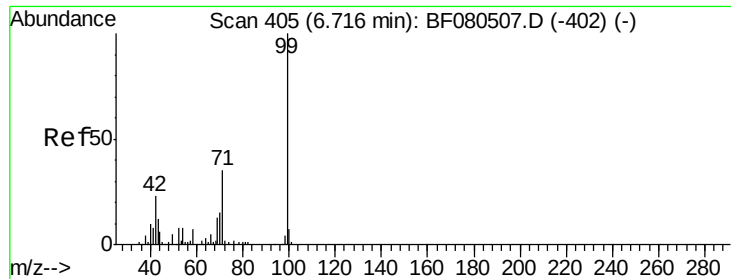
Ion Ratio Lower Upper

112 100

64 77.3 39.7 59.5#

63 39.0 17.4 26.0#





#7

Phenol-d6

Concen: 118.37 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampleId :

PB84482BL

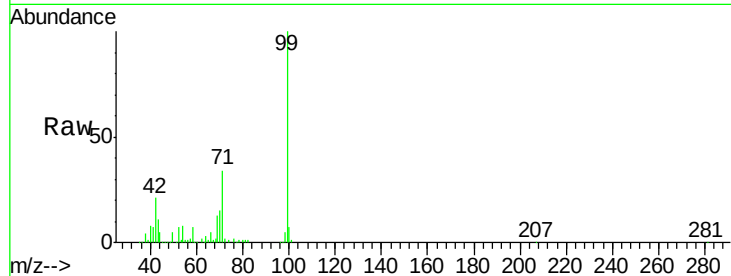
Tot Ion: 99 Resp: 194815

Ion Ratio Lower Upper

99 100

42 21.3 13.7 20.5#

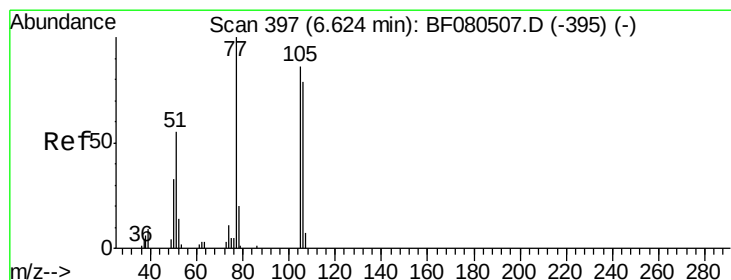
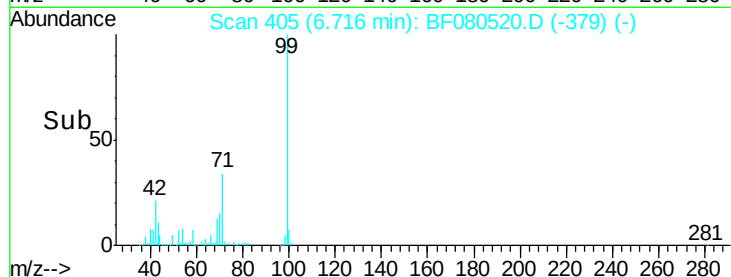
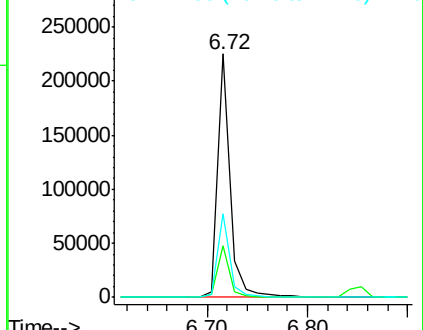
71 34.5 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 0.20 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.09 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

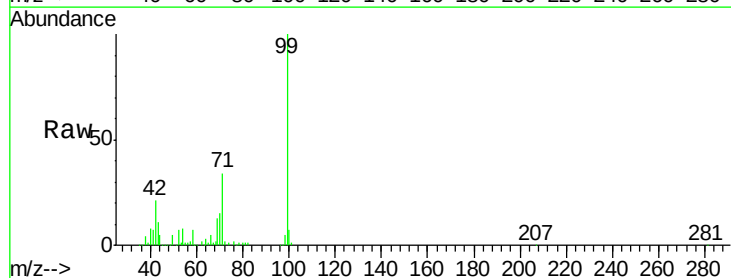
Tgt Ion: 77 Resp: 226

Ion Ratio Lower Upper

77 100

105 0.0 91.6 131.6#

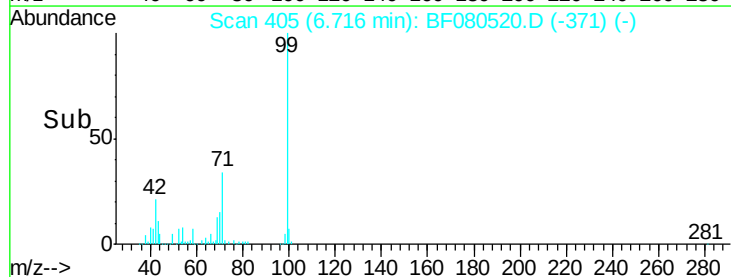
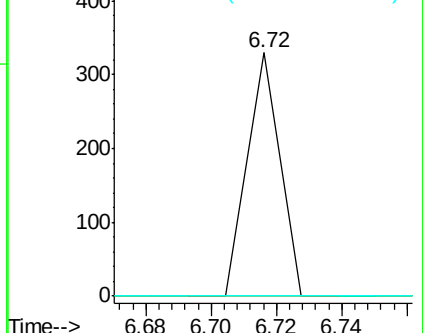
106 0.0 102.6 142.6#

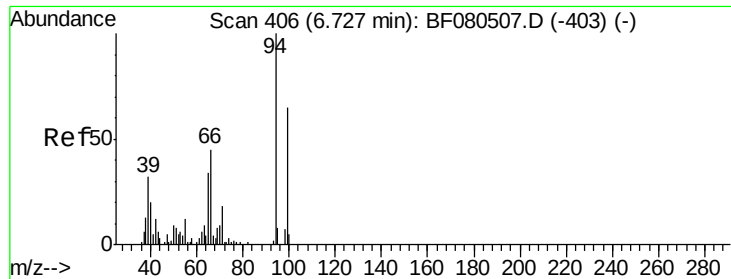


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.15 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.13 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampled :

PB84482BL

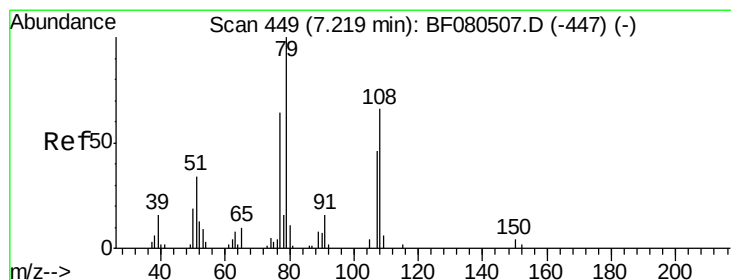
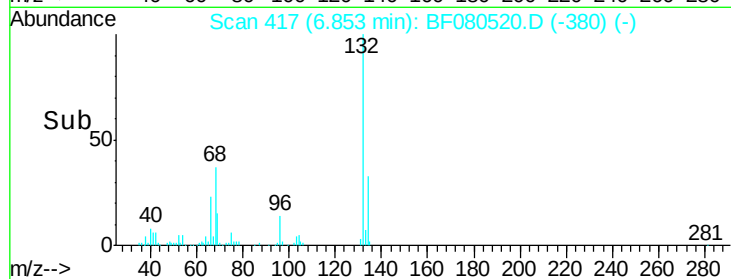
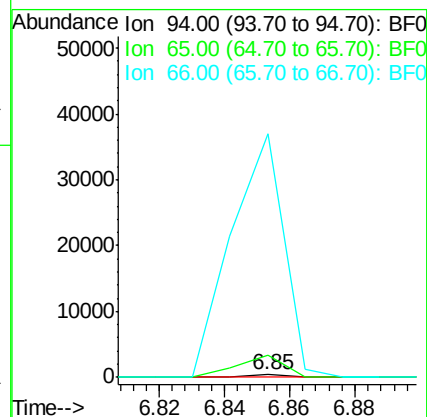
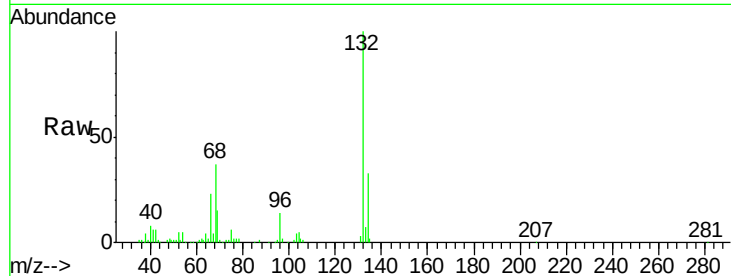
Tot Ion: 94 Resp: 258

Ion Ratio Lower Upper

94 100

65 879.8 0.7 40.7#

66 9836.2 0.8 40.8#



#15

Benzyl Alcohol

Concen: 1.93 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

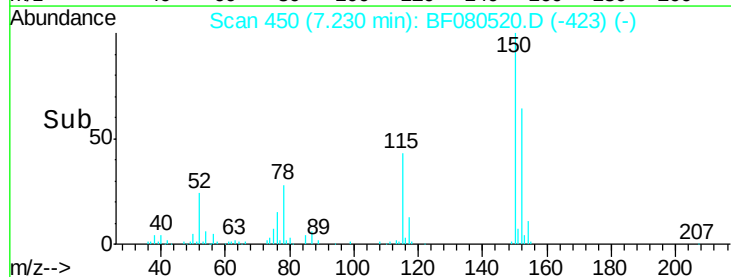
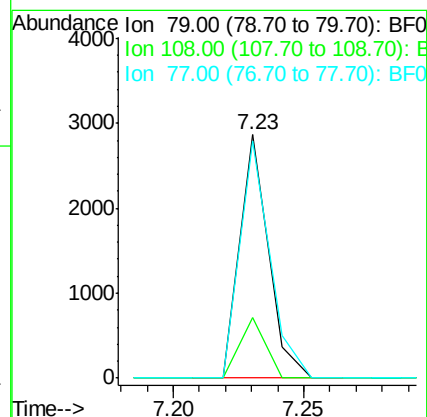
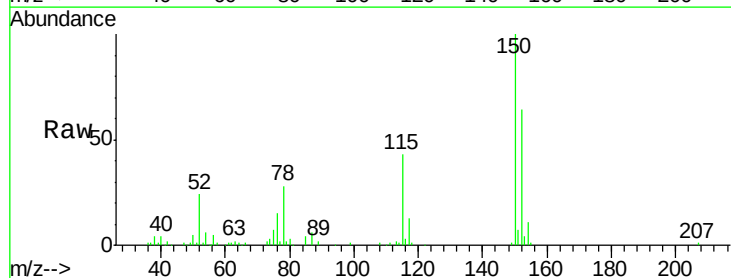
Tgt Ion: 79 Resp: 2220

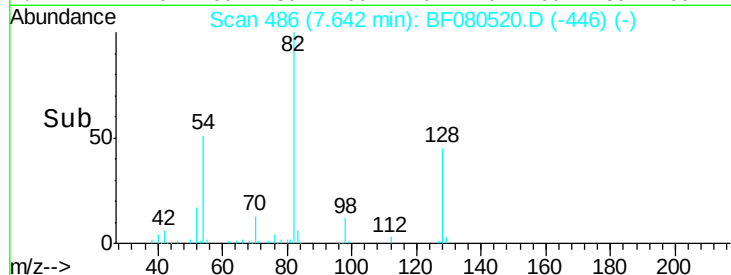
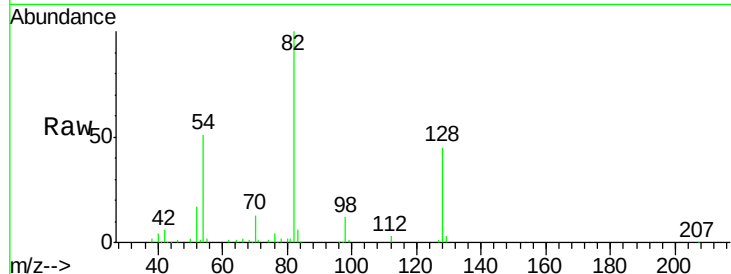
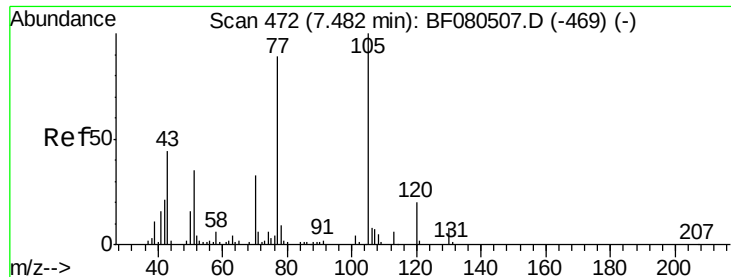
Ion Ratio Lower Upper

79 100

108 24.7 88.6 132.8#

77 97.6 47.0 70.4#

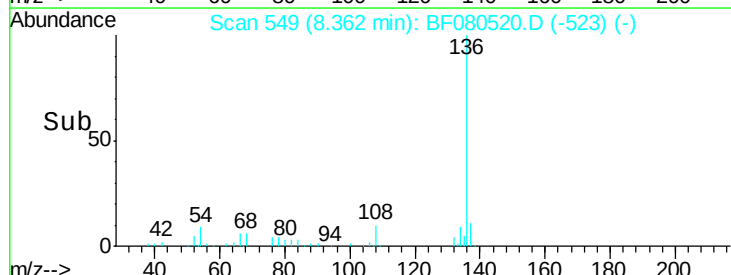
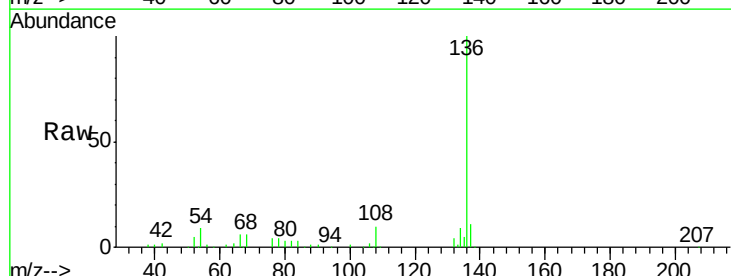
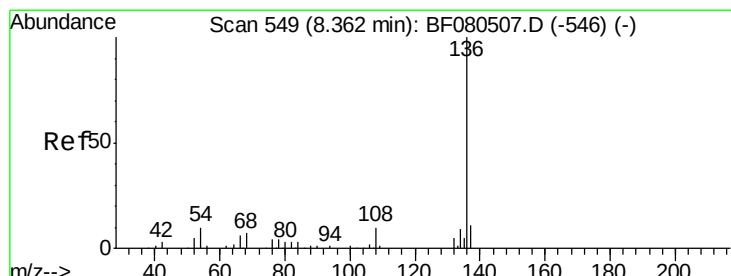
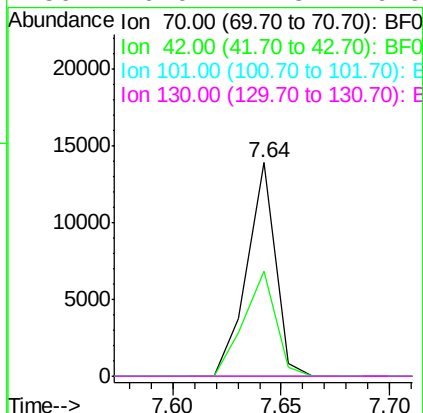




#19
n-Nitroso-di-n-propylamine
Concen: 12.67 ng
RT: 7.64 min Scan# 486
Delta R.T. 0.16 min
Lab File: BF080520.D
Acq: 16 Jul 2015 20:15

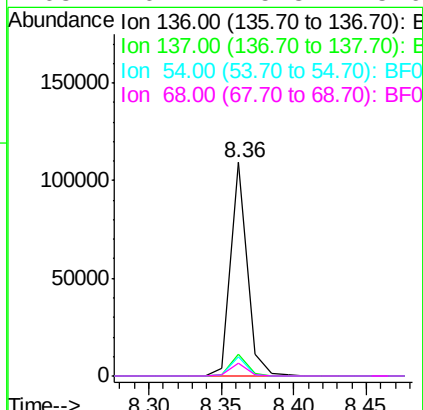
Instrument :
BNA_F
ClientSampleId :
PB84482BL

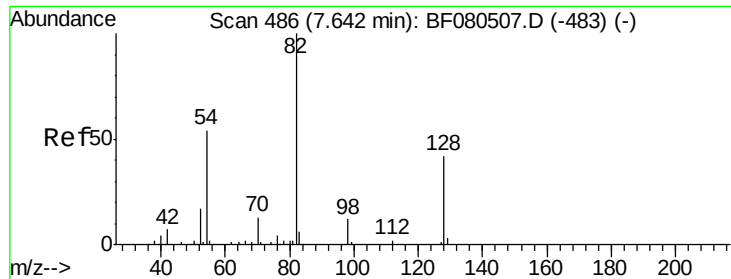
Tot Ion: 70 Resp: 12654
Ion Ratio Lower Upper
70 100
42 49.3 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.36 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF080520.D
Acq: 16 Jul 2015 20:15

Tgt Ion:136 Resp: 86392
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 9.2 8.2 12.2
68 6.1 5.8 8.6

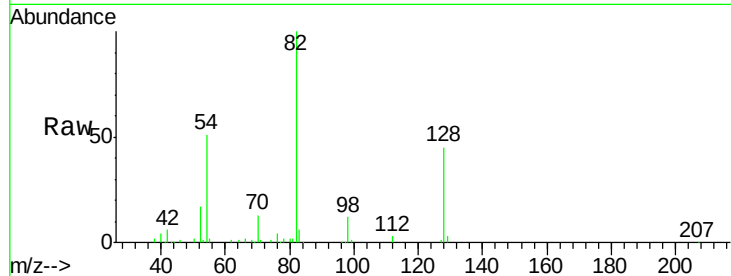




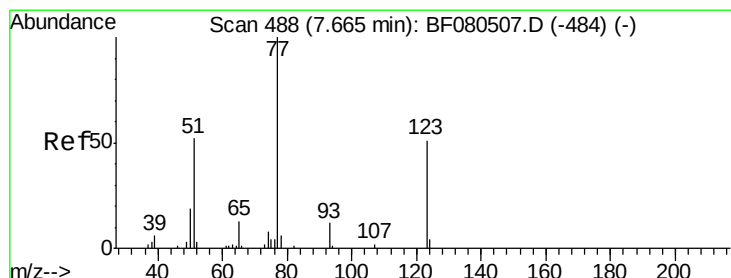
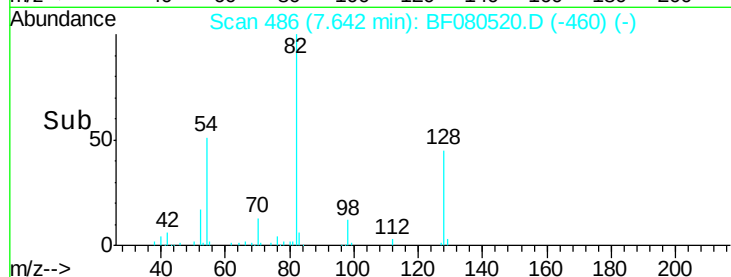
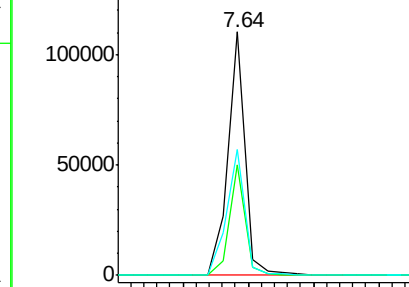
#23
 Nitrobenzene-d5
 Concen: 69.32 ng
 RT: 7.64 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF080520.D
 Acq: 16 Jul 2015 20:15

Instrument :
 BNA_F
 ClientSampleID :
 PB84482BL

Tot Ion	82	Resp	102024
Ion Ratio	Lower	Upper	
82	100		
128	45.3	51.0	76.6#
54	51.5	47.5	71.3

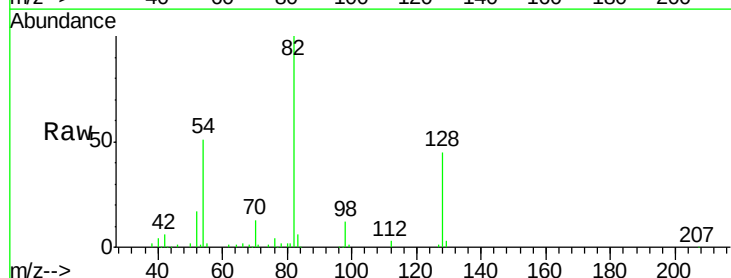


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

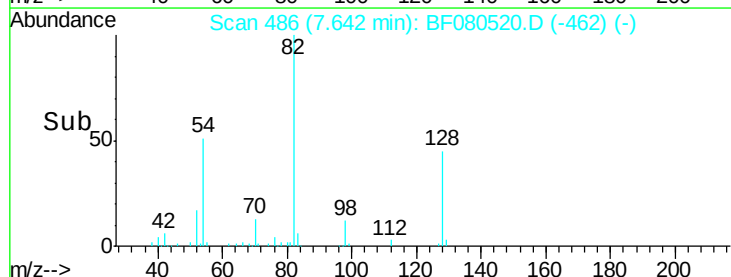
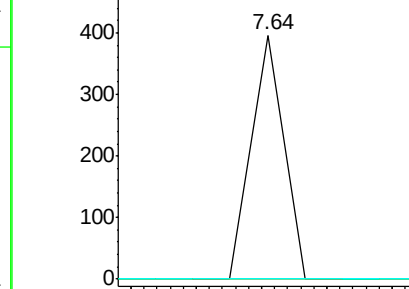


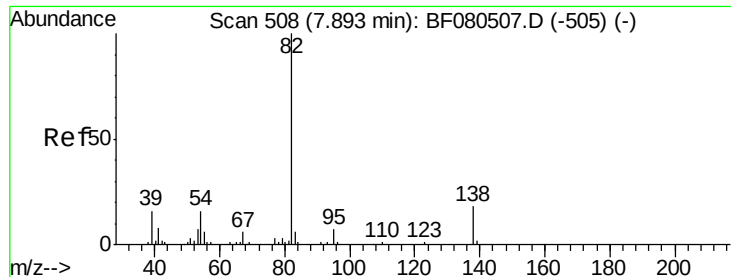
#24
 Nitrobenzene
 Concen: 0.18 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: BF080520.D
 Acq: 16 Jul 2015 20:15

Tgt Ion	77	Resp	272
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: 39.24 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.25 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampled :

PB84482BL

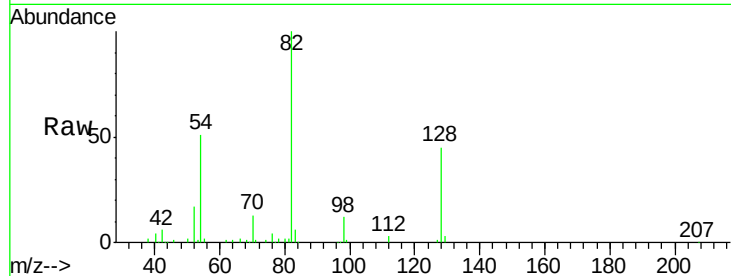
Tot Ion: 82 Resp: 102021

Ion Ratio Lower Upper

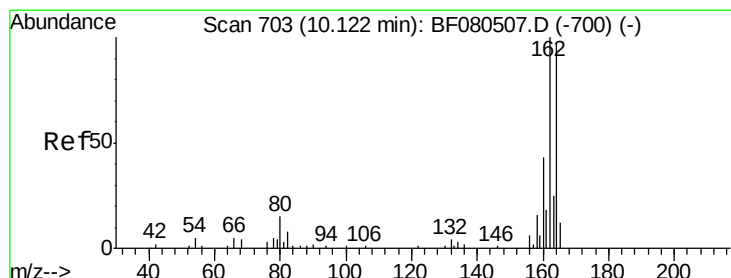
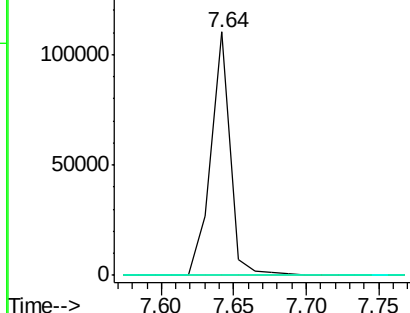
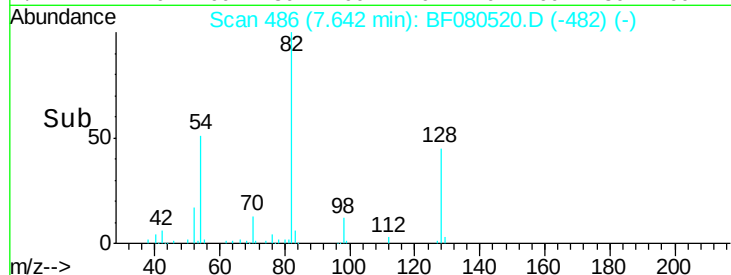
82 100

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: BF080520.D

Acq: 16 Jul 2015 20:15

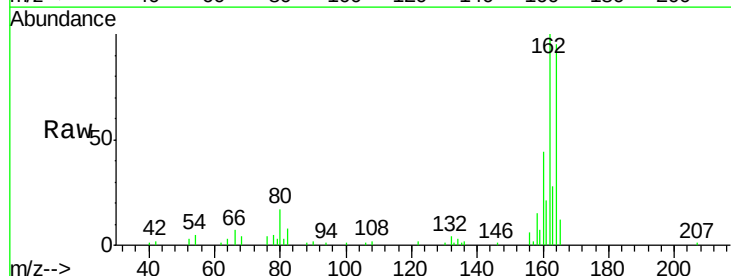
Tgt Ion:164 Resp: 37955

Ion Ratio Lower Upper

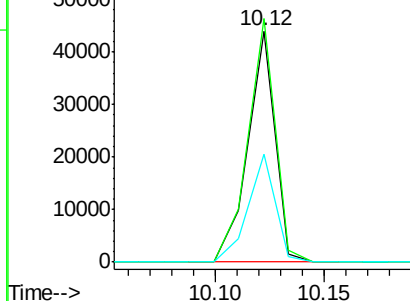
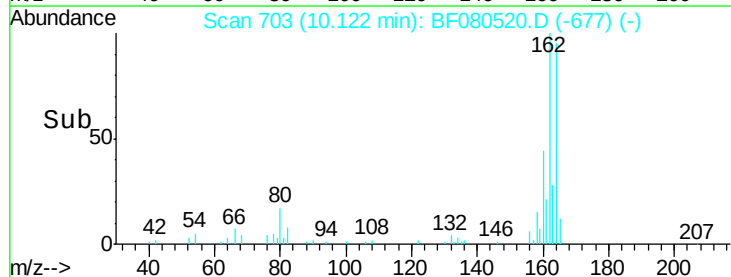
164 100

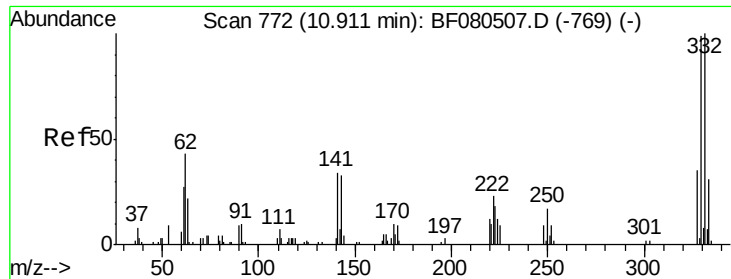
162 105.5 75.2 112.8

160 46.8 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

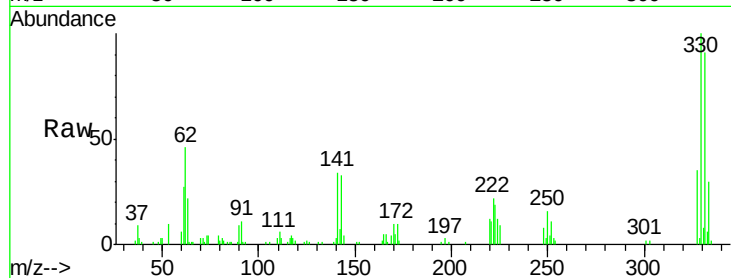




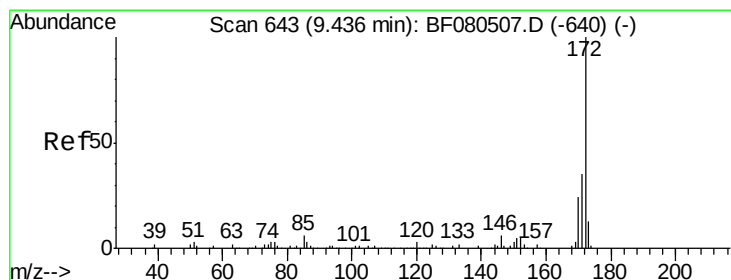
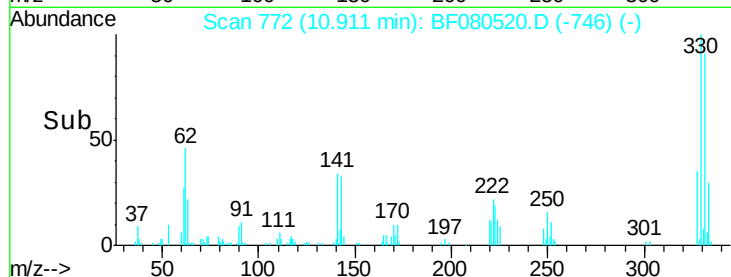
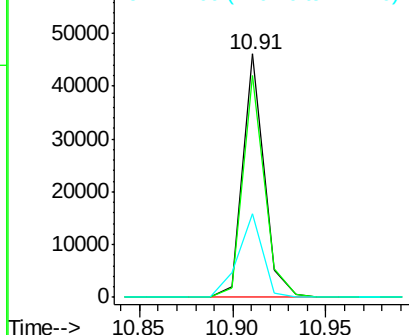
#41
 2,4,6-Tribromophenol
 Concen: 125.36 ng
 RT: 10.91 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BF080520.D
 Acq: 16 Jul 2015 20:15

Instrument :
 BNA_F
 ClientSampleId :
 PB84482BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.4	76.6	114.8
141	39.6	29.7	44.5

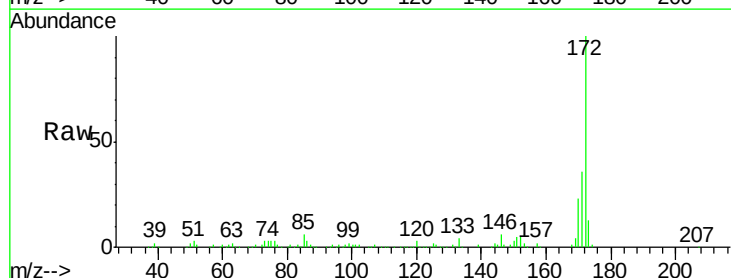


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

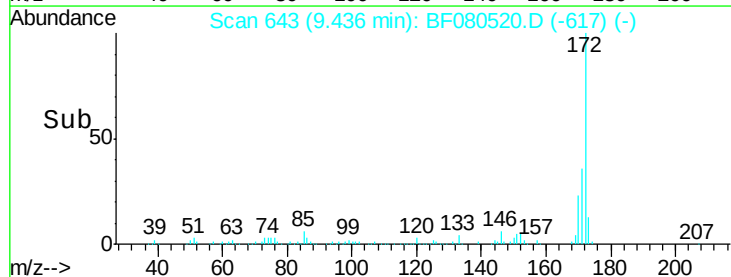
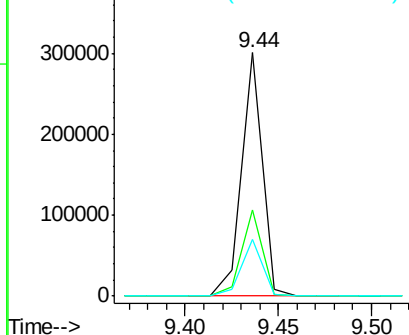


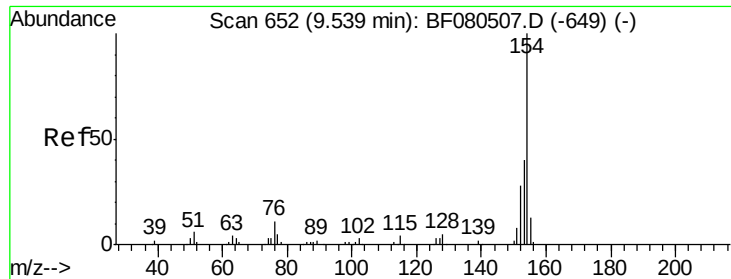
#44
 2-Fluorobiphenyl
 Concen: 84.11 ng
 RT: 9.44 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: BF080520.D
 Acq: 16 Jul 2015 20:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.1	39.1
170	23.3	17.4	26.2



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: 0.12 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.10 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampleId :

PB84482BL

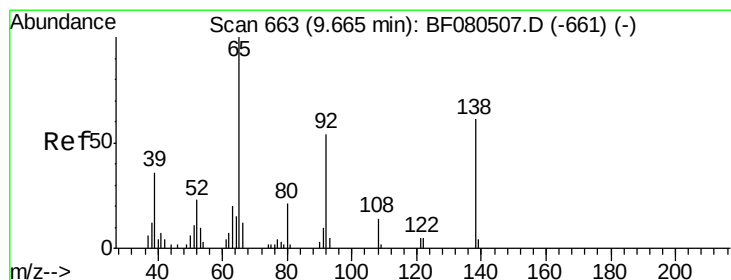
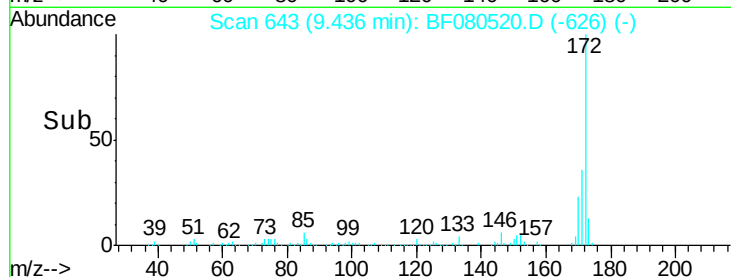
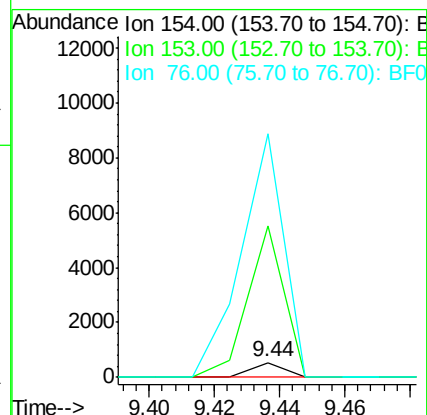
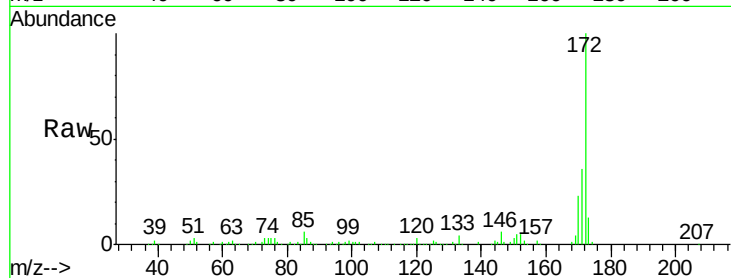
Tot Ion:154 Resp: 368

Ion Ratio Lower Upper

154 100

153 1029.1 17.1 57.1#

76 1656.0 0.0 31.6#



#47

2-Nitroaniline

Concen: 0.49 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.23 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

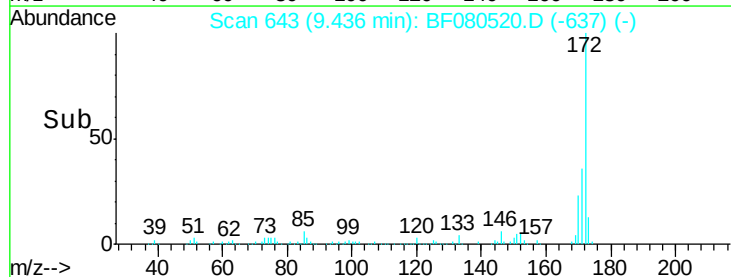
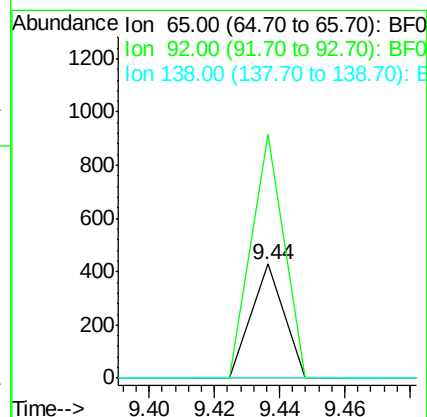
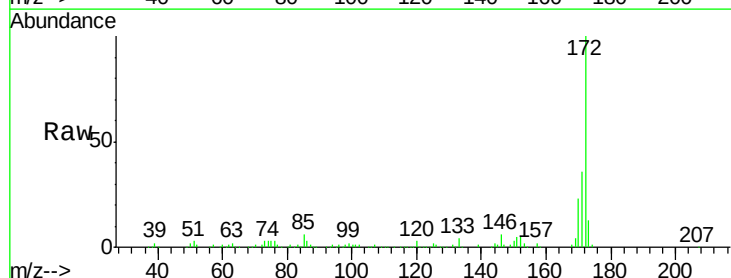
Tgt Ion: 65 Resp: 294

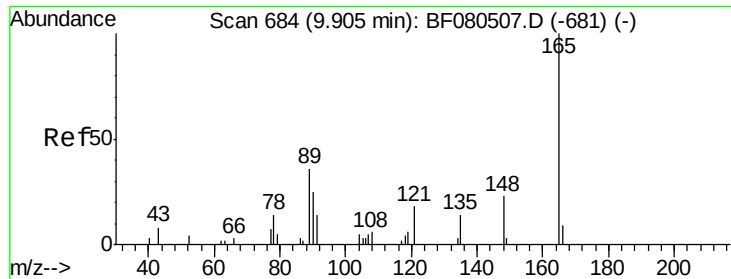
Ion Ratio Lower Upper

65 100

92 213.8 55.4 83.0#

138 0.0 115.5 173.3#

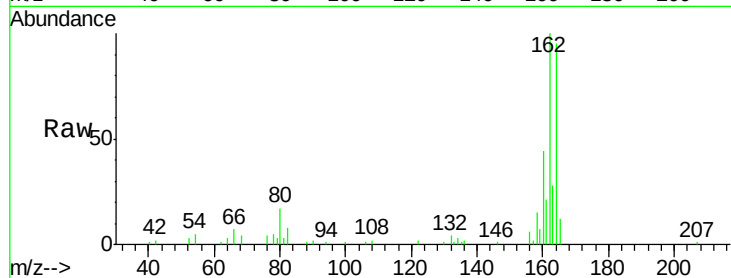




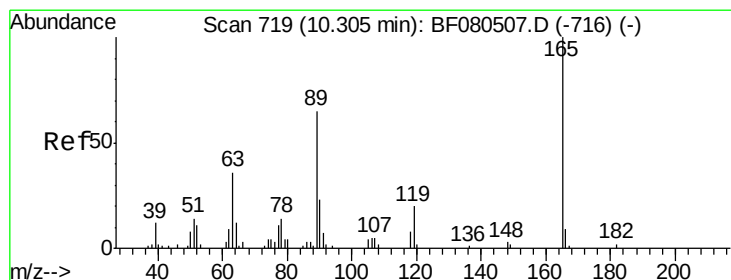
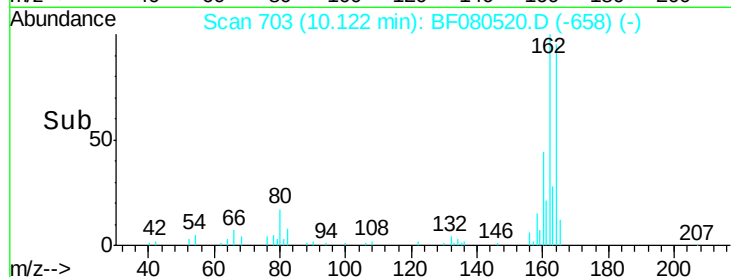
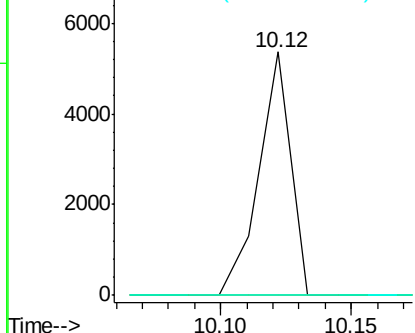
#50
2,6-Dinitrotoluene
Concen: 9.00 ng
RT: 10.12 min Scan# 703
Delta R.T. 0.22 min
Lab File: BF080520.D
Acq: 16 Jul 2015 20:15

Instrument :
BNA_F
ClientSampleId :
PB84482BL

Tot Ion:165 Resp: 4585
Ion Ratio Lower Upper
165 100
63 0.0 32.3 48.5#
89 0.0 28.6 43.0#

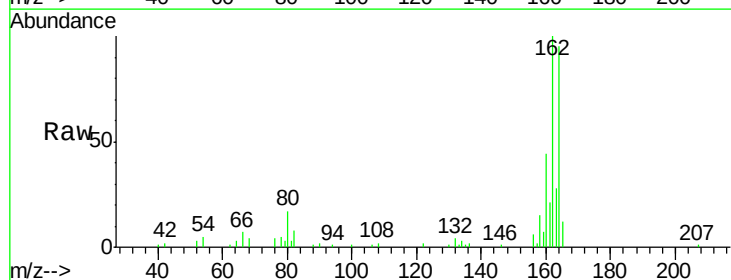


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

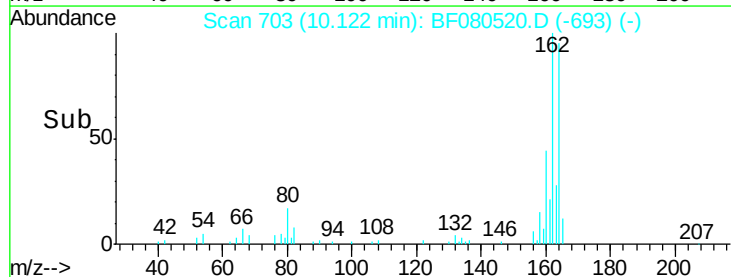
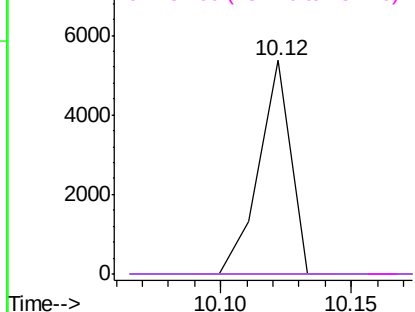


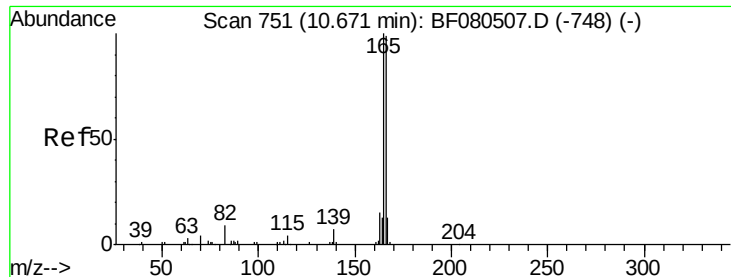
#56
2,4-Dinitrotoluene
Concen: 6.21 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.18 min
Lab File: BF080520.D
Acq: 16 Jul 2015 20:15

Tgt Ion:165 Resp: 4585
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#



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

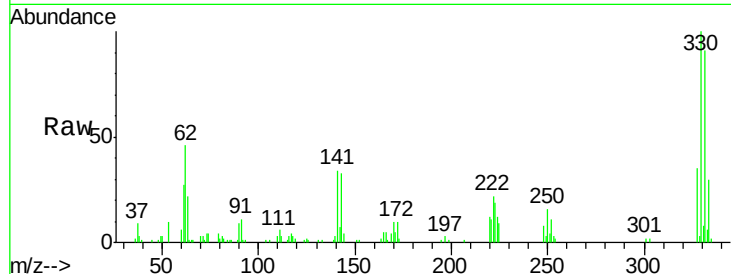




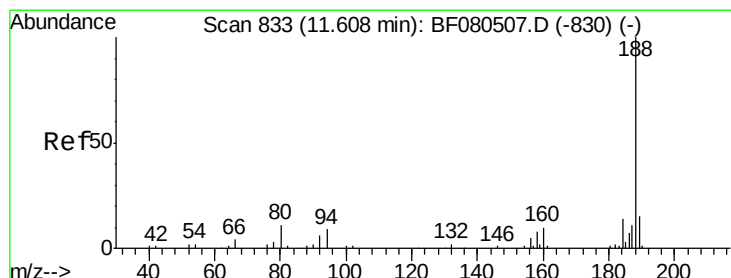
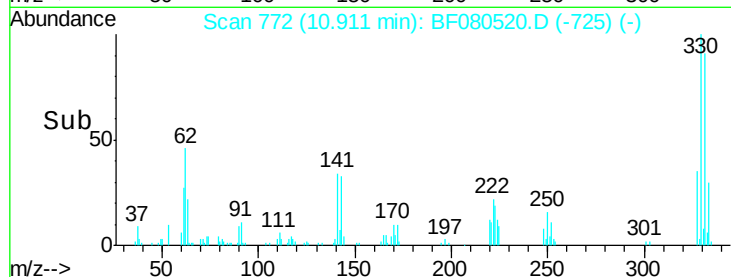
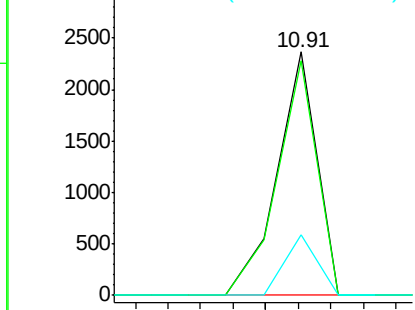
#57
 Fluorene
 Concen: 0.77 ng
 RT: 10.91 min Scan# 772
 Delta R.T. 0.24 min
 Lab File: BF080520.D
 Acq: 16 Jul 2015 20:15

Instrument :
 BNA_F
 ClientSampleId :
 PB84482BL

Tot Ion:166 Resp: 2003
 Ion Ratio Lower Upper
 166 100
 165 96.4 72.6 109.0
 167 24.9 10.6 16.0#

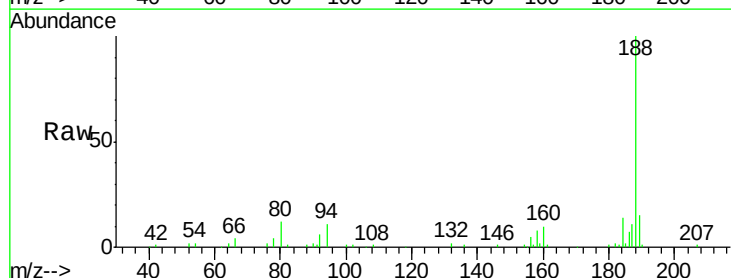


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

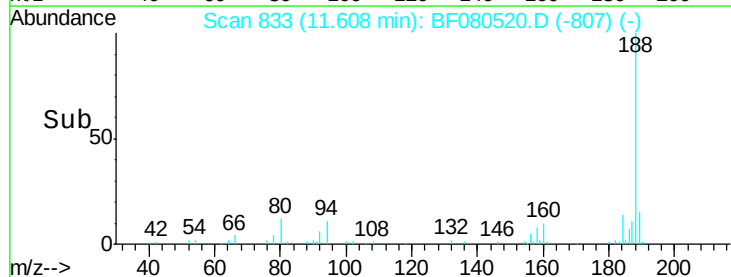
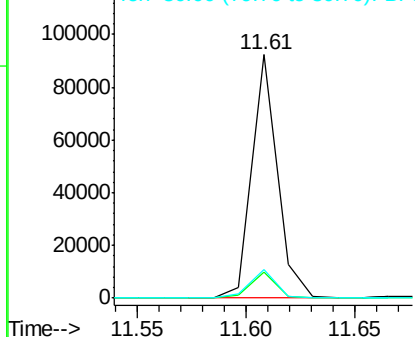


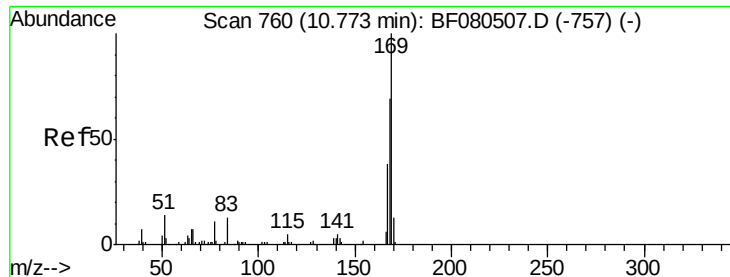
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.61 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: BF080520.D
 Acq: 16 Jul 2015 20:15

Tgt Ion:188 Resp: 75194
 Ion Ratio Lower Upper
 188 100
 94 10.5 11.1 16.7#
 80 11.7 11.0 16.4



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.55 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.14 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampleId :

PB84482BL

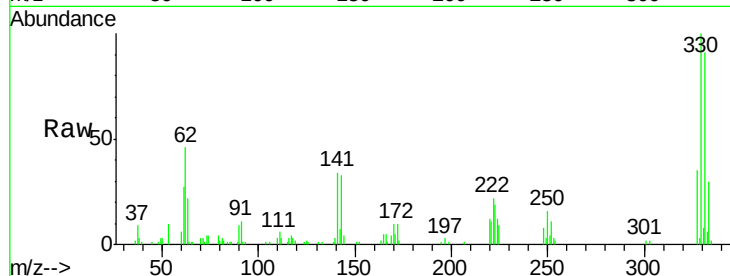
Tot Ion:169 Resp: 1394

Ion Ratio Lower Upper

169 100

168 0.0 48.9 73.3#

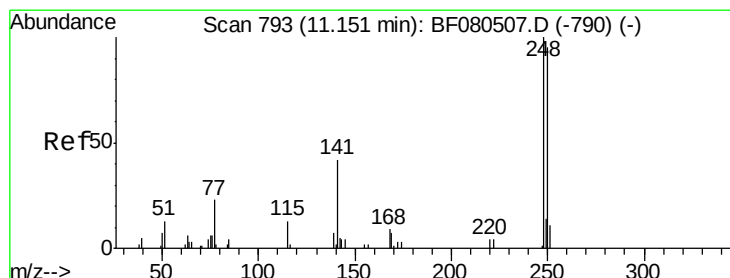
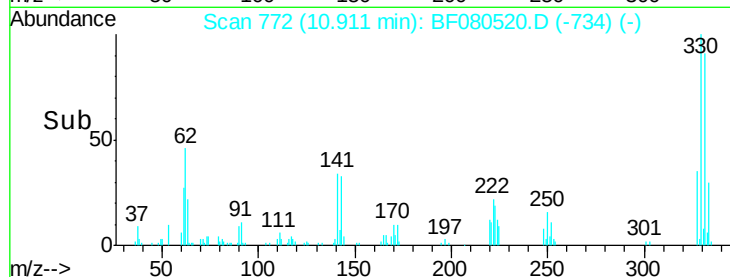
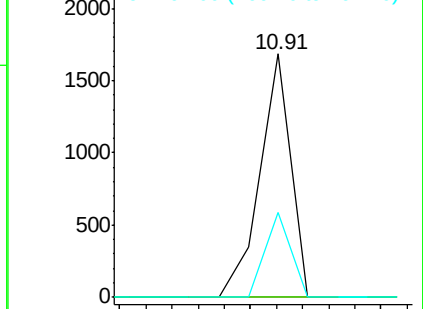
167 35.0 26.2 39.4



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: 3.94 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.24 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

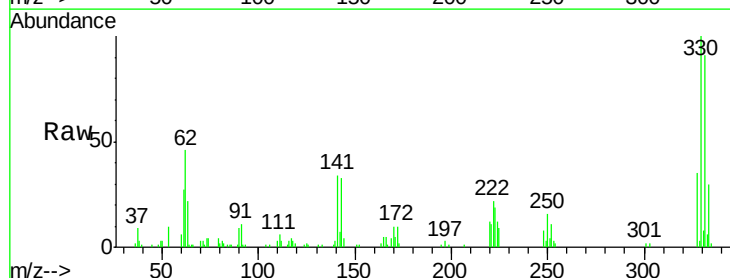
Tgt Ion:248 Resp: 2885

Ion Ratio Lower Upper

248 100

250 197.7 78.5 117.7#

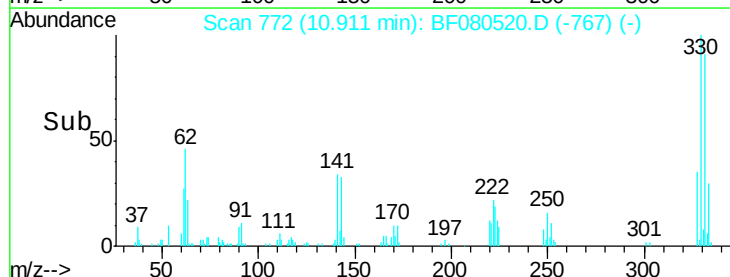
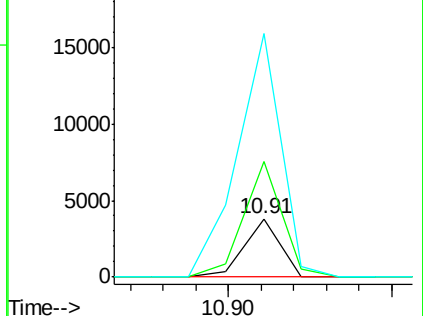
141 417.5 59.0 88.6#

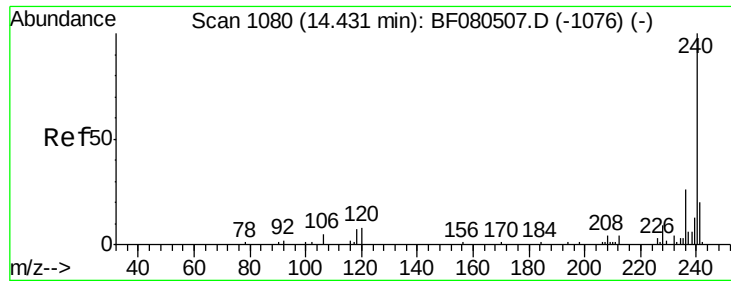


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.36 min Scan# 1074

Delta R.T. -0.07 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampleId :

PB84482BL

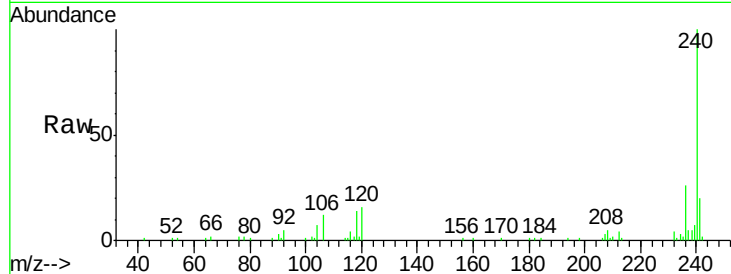
Tot Ion:240 Resp: 59670

Ion Ratio Lower Upper

240 100

120 16.2 16.2 24.2#

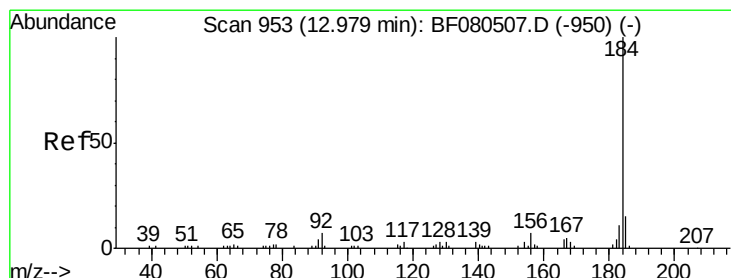
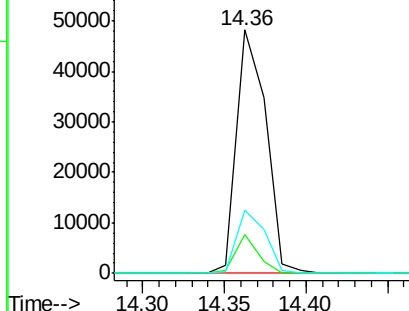
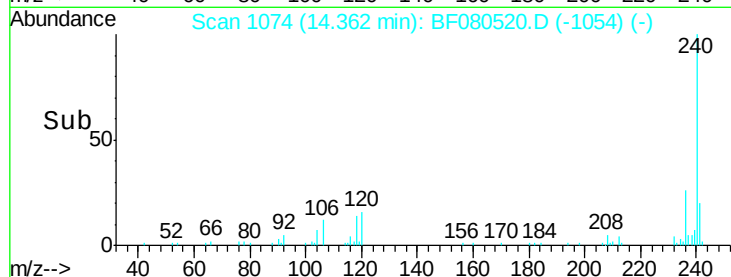
236 26.1 18.4 27.6



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: 2.28 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

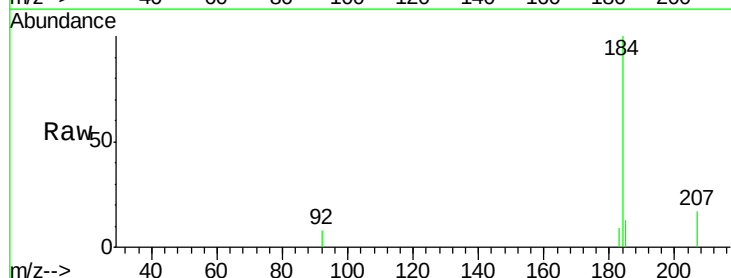
Tgt Ion:184 Resp: 4478

Ion Ratio Lower Upper

184 100

185 13.4 11.8 17.6

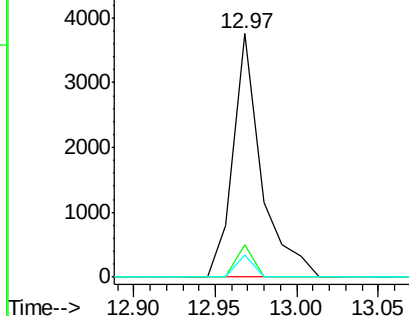
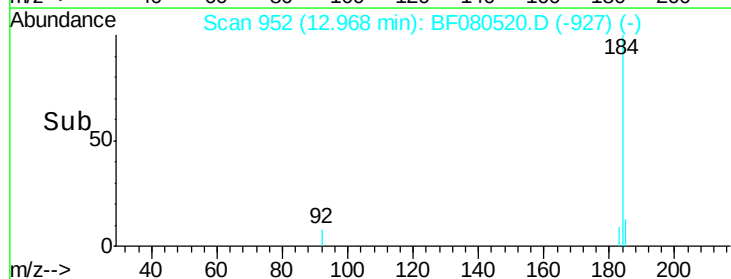
183 8.9 7.6 11.4

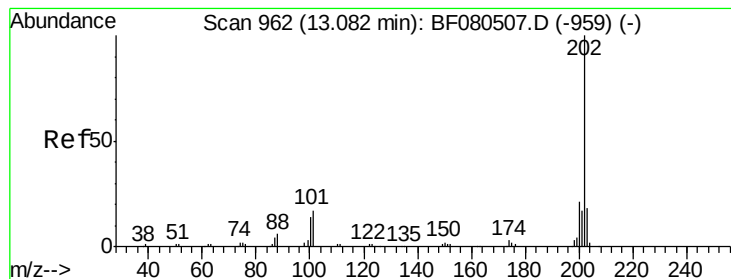


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.16 ng

RT: 13.21 min Scan# 973

Delta R.T. 0.13 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

Instrument :

BNA_F

ClientSampleId :

PB84482BL

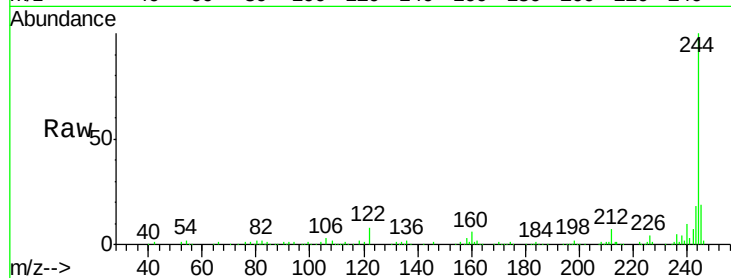
Tot Ion:202 Resp: 633

Ion Ratio Lower Upper

202 100

200 44.9 15.0 22.4#

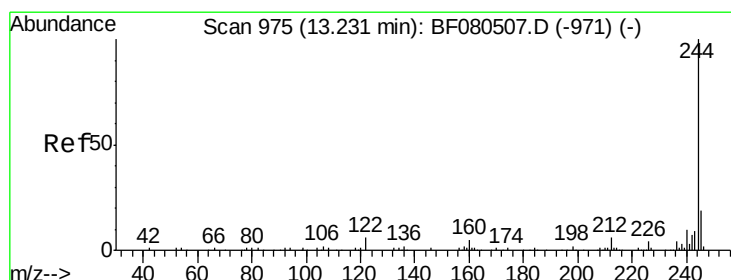
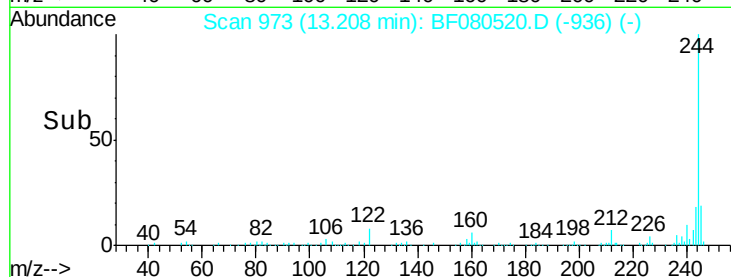
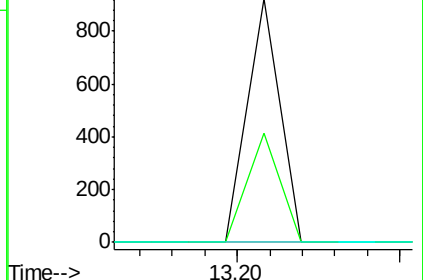
203 0.0 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 81.55 ng

RT: 13.21 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF080520.D

Acq: 16 Jul 2015 20:15

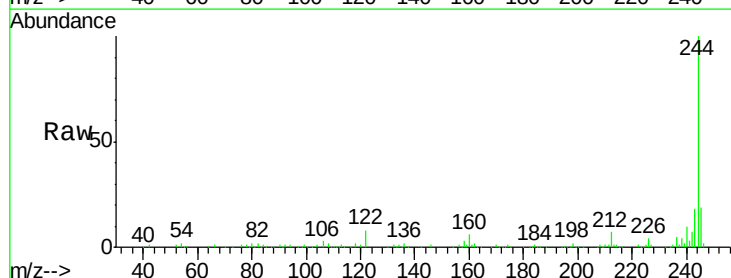
Tgt Ion:244 Resp: 234692

Ion Ratio Lower Upper

244 100

212 6.7 4.3 6.5#

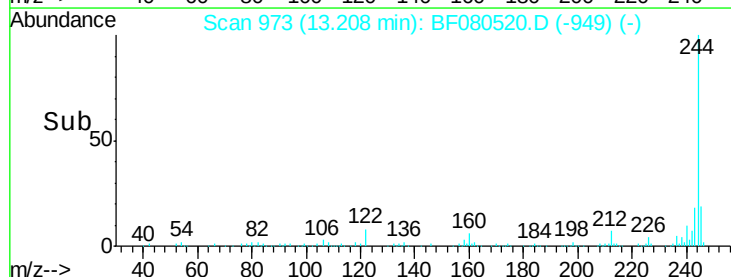
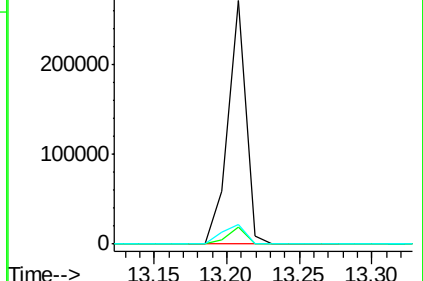
122 8.0 17.4 26.2#

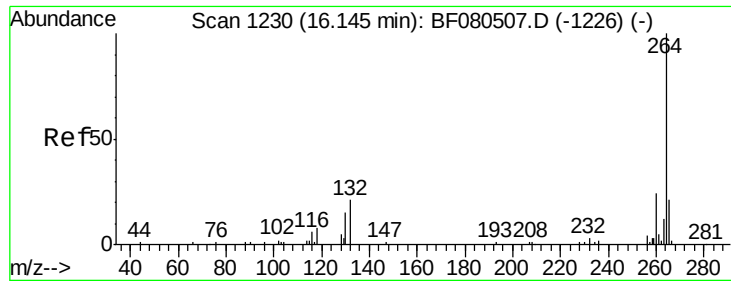


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

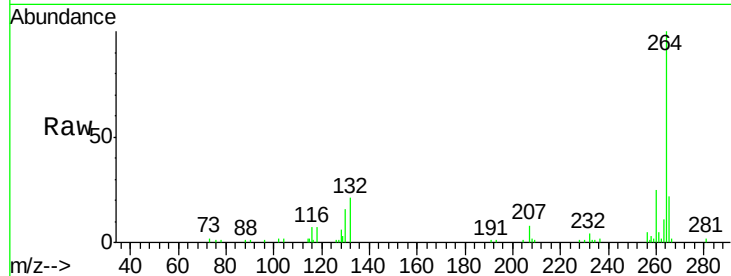




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.03 min Scan# 1220
 Delta R.T. -0.11 min
 Lab File: BF080520.D
 Acq: 16 Jul 2015 20:15

Instrument :
 BNA_F
 ClientSampleId :
 PB84482BL

Tot Ion: 264 Resp: 55469
 Ion Ratio Lower Upper
 264 100
 260 24.7 16.7 25.1
 265 21.9 17.2 25.8



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

