

Data Path : Z:\HPCHEM1\BNA F\Data\BF071615\
 Data File : BF080518.D
 Acq On : 16 Jul 2015 19:17
 Operator : TP/UM
 Sample : PB84482TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB84482TB

Quant Time: Jul 17 05:48:27 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	22405	20.00	ng	0.00
21) Naphthalene-d8	8.36	136	94523	20.00	ng	0.00
38) Acenaphthene-d10	10.12	164	42885	20.00	ng	0.00
63) Phenanthrene-d10	11.61	188	82427	20.00	ng	0.00
75) Chrysene-d12	14.42	240	67185	20.00	ng	-0.01
86) Perylene-d12	16.12	264	59056	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	149758	113.95	ng	0.00
7) Phenol-d6	6.72	99	205637	115.22	ng	0.00
23) Nitrobenzene-d5	7.64	82	111409	69.18	ng	0.00
41) 2,4,6-Tribromophenol	10.91	330	39837	119.39	ng	0.00
44) 2-Fluorobiphenyl	9.44	172	241838	76.74	ng	0.00
78) Terphenyl-d14	13.22	244	223936	69.11	ng	-0.01

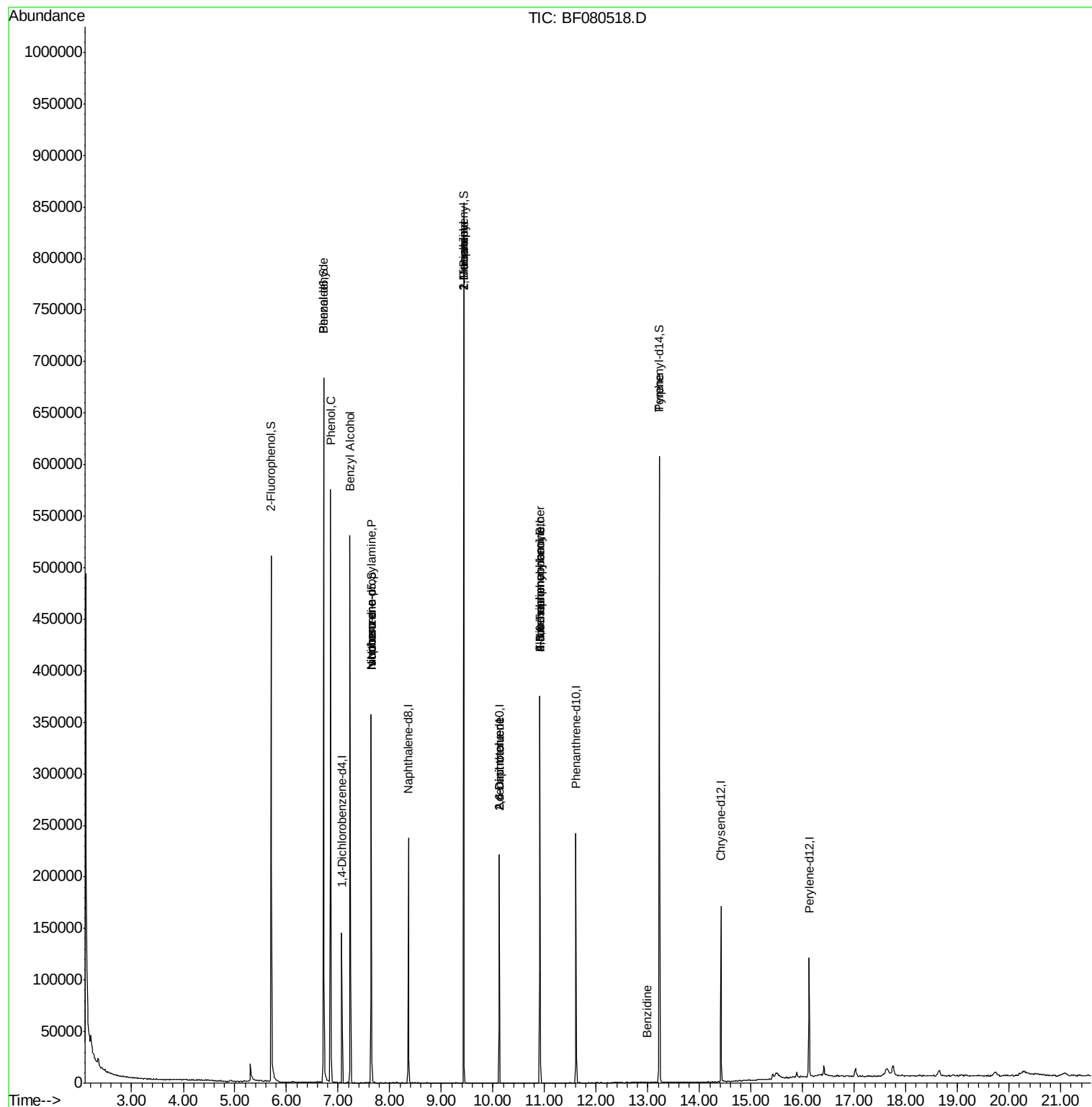
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	208	0.17	ng	# 1
10) Phenol	6.85	94	286	0.15	ng	# 1
15) Benzyl Alcohol	7.23	79	2044	1.64	ng	# 31
19) n-Nitroso-di-n-propylamine	7.64	70	13825	12.76	ng	# 60
24) Nitrobenzene	7.64	77	239	0.15	ng	# 20
25) Isophorone	7.64	82	111405	39.17	ng	# 58
45) 1,1'-Biphenyl	9.44	154	319	0.09	ng	# 1
47) 2-Nitroaniline	9.44	65	279	0.41	ng	# 1
50) 2,6-Dinitrotoluene	10.12	165	5620	9.76	ng	# 37
56) 2,4-Dinitrotoluene	10.12	165	5620	6.74	ng	# 31
57) Fluorene	10.91	166	1928	0.65	ng	# 65
65) n-Nitrosodiphenylamine	10.91	169	1514	0.54	ng	# 42
66) 4-Bromophenyl-phenylether	10.91	248	2927	3.65	ng	# 1
76) Benzidine	12.99	184	567	0.26	ng	# 68
77) Pyrene	13.22	202	718	0.16	ng	# 42

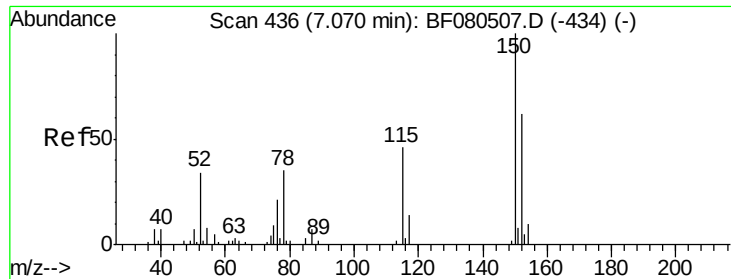
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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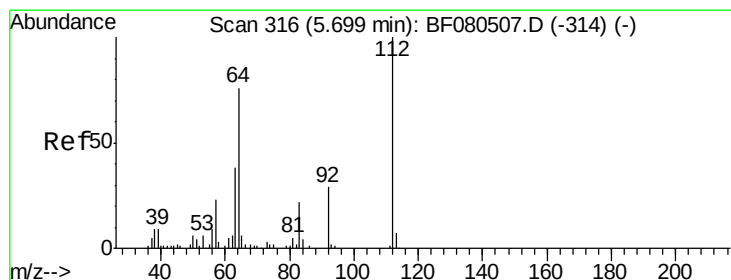
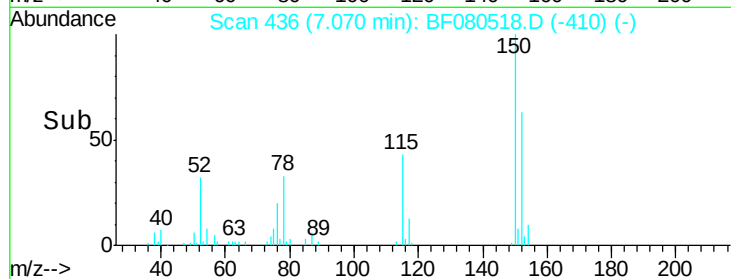
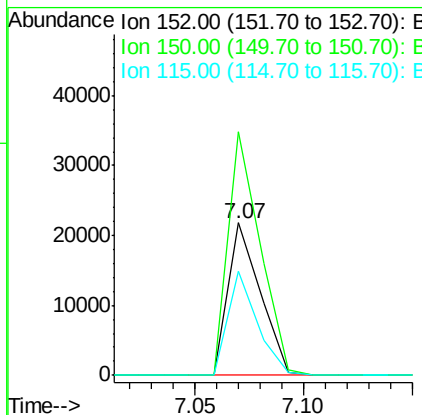
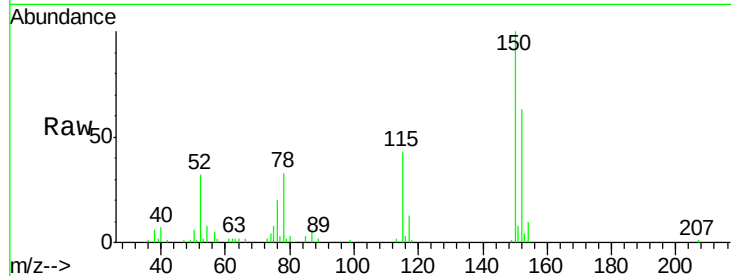


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF080518.D
Acq: 16 Jul 2015 19:17

Instrument :
BNA_F
ClientSampleId :
PB84482TB

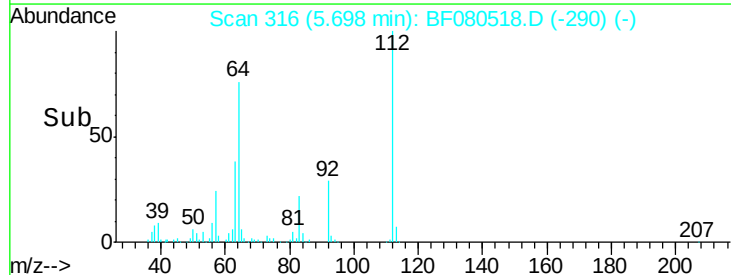
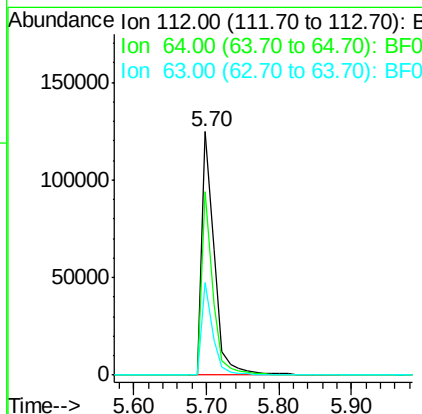
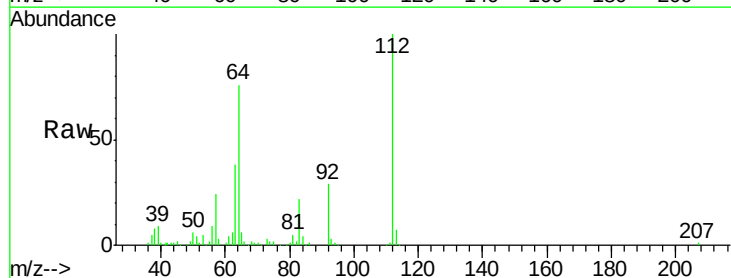
Tot Ion:152 Resp: 22405
Ion Ratio Lower Upper
152 100
150 159.5 124.7 187.1
115 67.8 39.0 58.4#

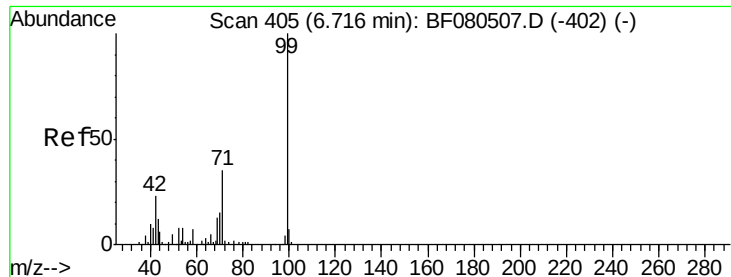


#5

2-Fluorophenol
Concen: 113.95 ng
RT: 5.70 min Scan# 316
Delta R.T. 0.00 min
Lab File: BF080518.D
Acq: 16 Jul 2015 19:17

Tgt Ion:112 Resp: 149758
Ion Ratio Lower Upper
112 100
64 75.6 39.7 59.5#
63 37.9 17.4 26.0#





#7

Phenol-d6

Concen: 115.22 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

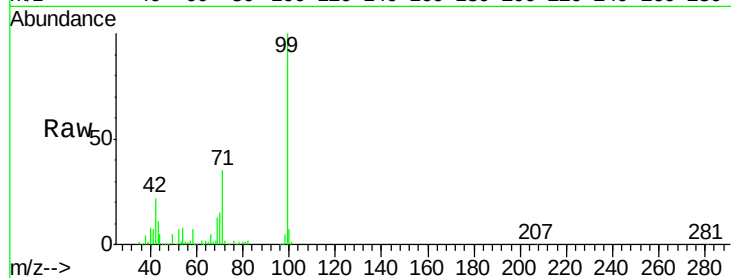
Tot Ion: 99 Resp: 205637

Ion Ratio Lower Upper

99 100

42 21.6 13.7 20.5#

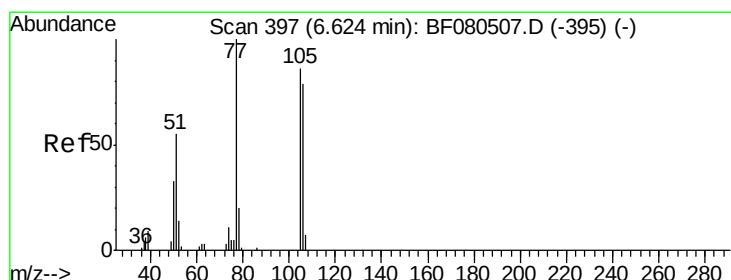
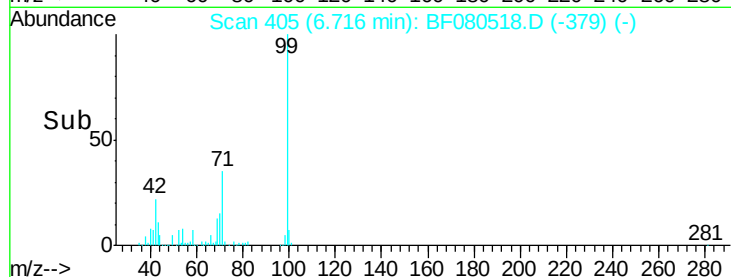
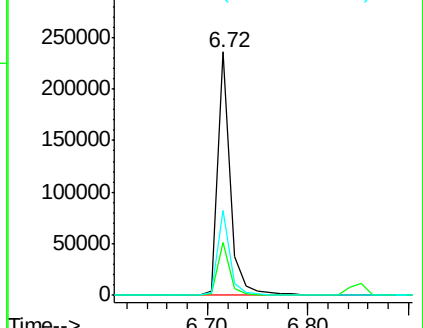
71 34.7 14.2 21.2#



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: 0.17 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.09 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

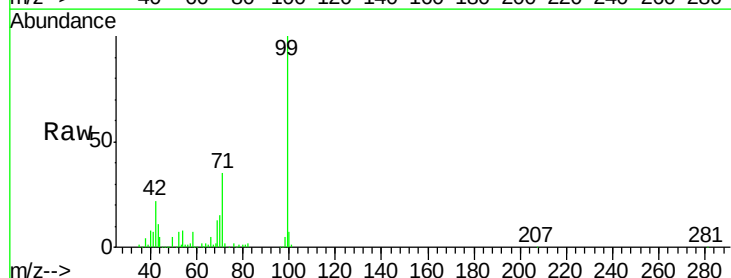
Tgt Ion: 77 Resp: 208

Ion Ratio Lower Upper

77 100

105 0.0 91.6 131.6#

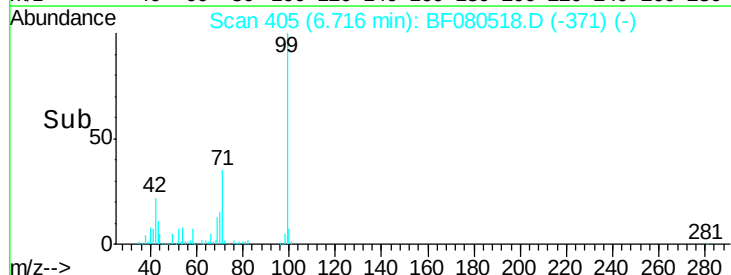
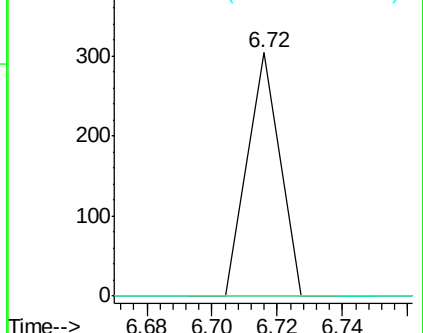
106 0.0 102.6 142.6#

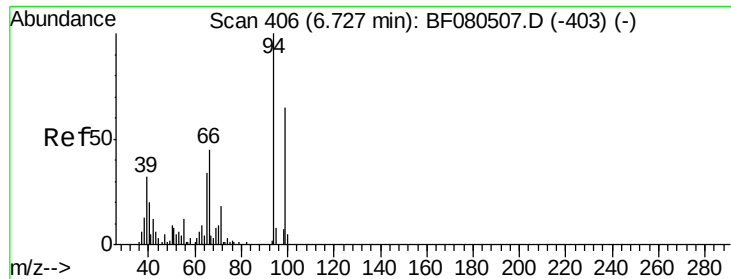


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampled :

PB84482TB

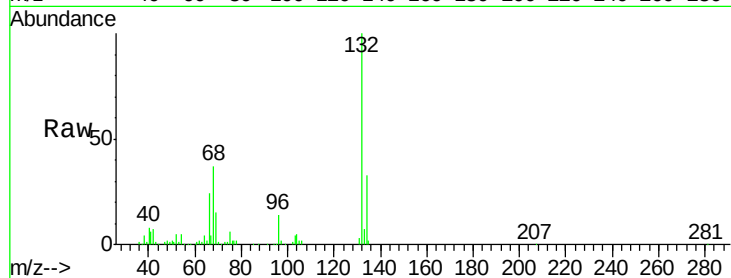
Tot Ion: 94 Resp: 286

Ion Ratio Lower Upper

94 100

65 893.3 0.7 40.7#

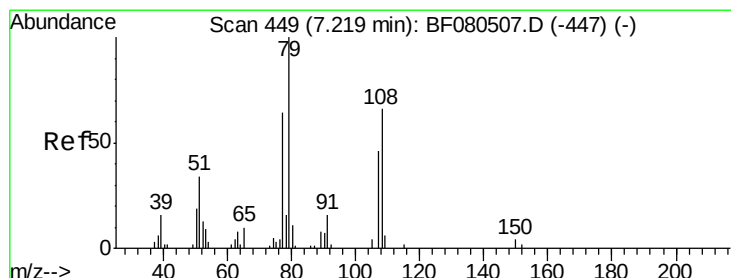
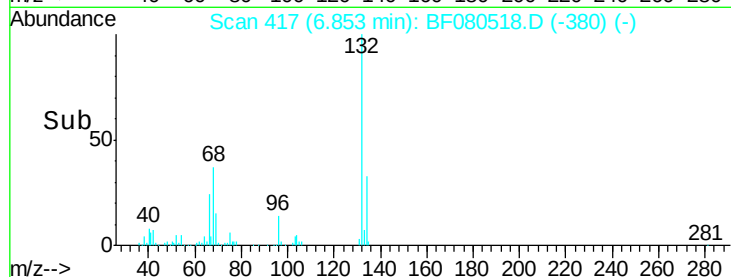
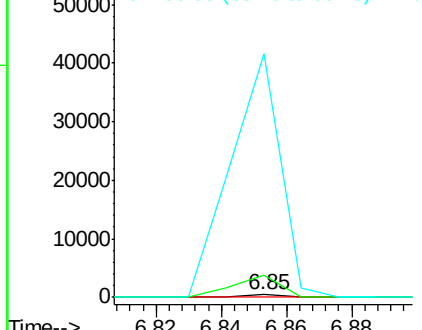
66 9968.3 0.8 40.8#



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



#15

Benzyl Alcohol

Concen: 1.64 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

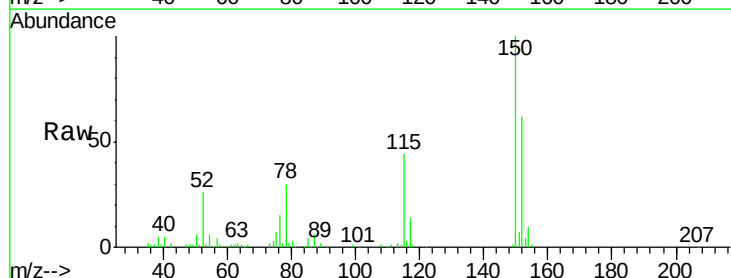
Tgt Ion: 79 Resp: 2044

Ion Ratio Lower Upper

79 100

108 35.8 88.6 132.8#

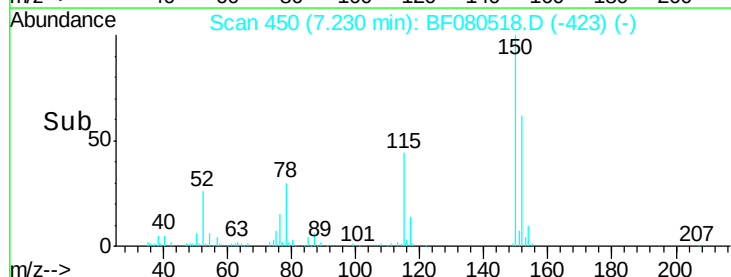
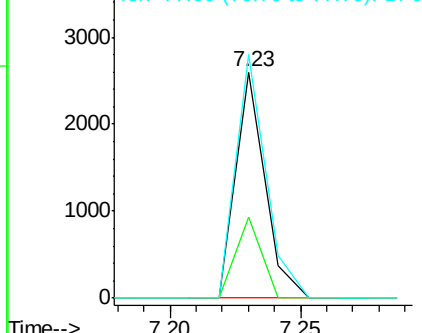
77 107.6 47.0 70.4#

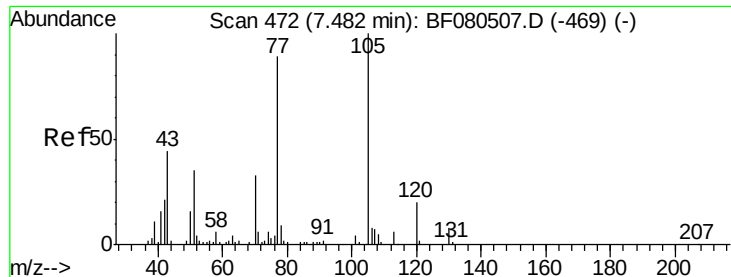


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

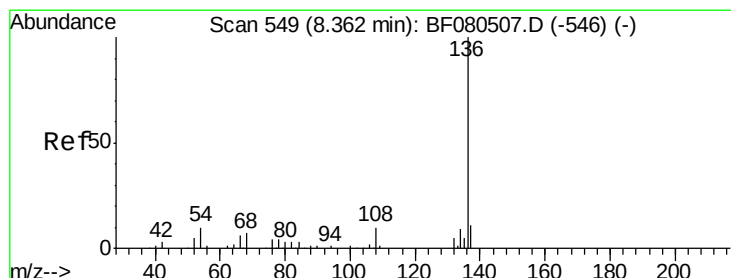
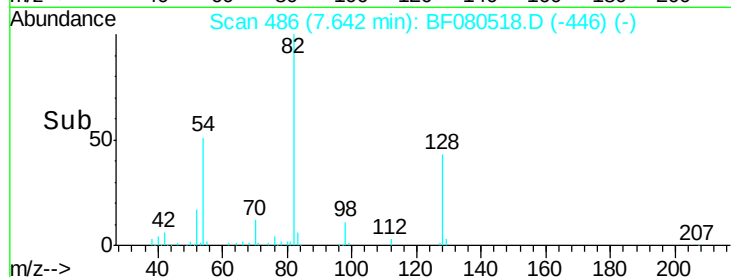
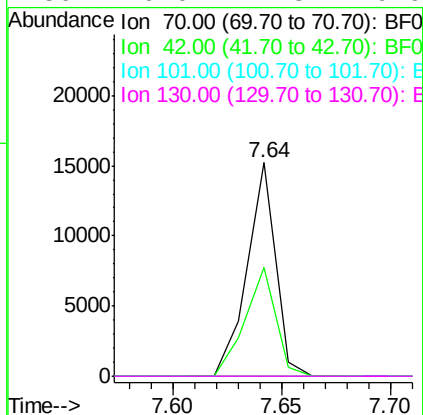
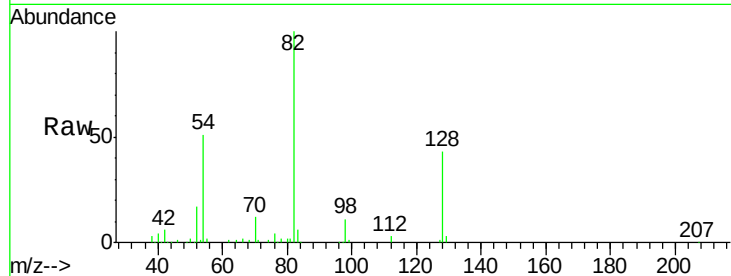




#19
n-Nitroso-di-n-propylamine
Concen: 12.76 ng
RT: 7.64 min Scan# 486
Delta R.T. 0.16 min
Lab File: BF080518.D
Acq: 16 Jul 2015 19:17

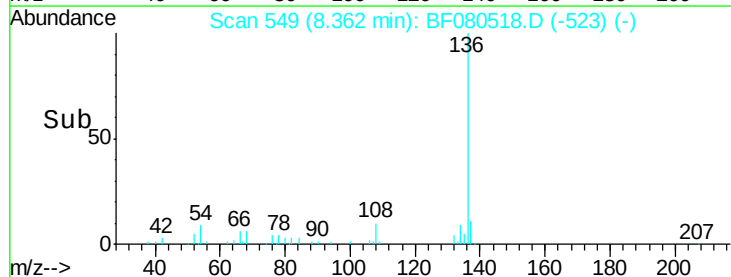
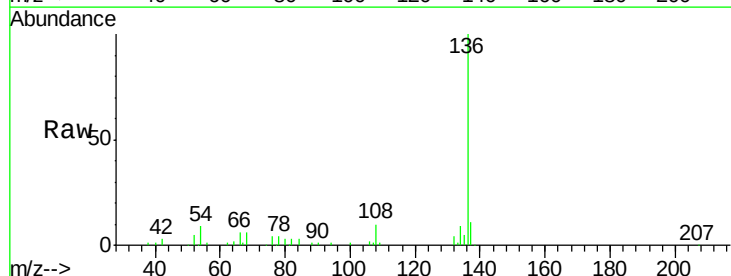
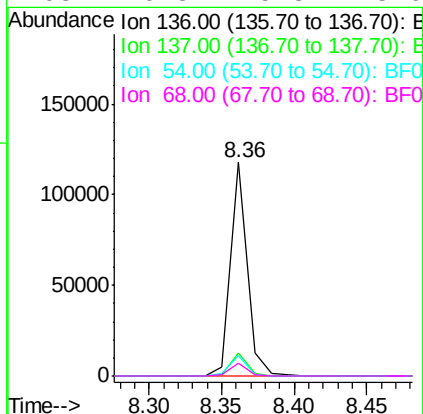
Instrument :
BNA_F
ClientSampleId :
PB84482TB

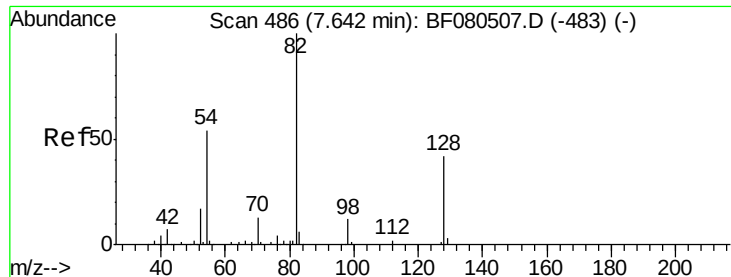
Tot Ion: 70 Resp: 13825
Ion Ratio Lower Upper
70 100
42 51.1 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.36 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF080518.D
Acq: 16 Jul 2015 19:17

Tgt Ion:136 Resp: 94523
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 9.4 8.2 12.2
68 6.3 5.8 8.6

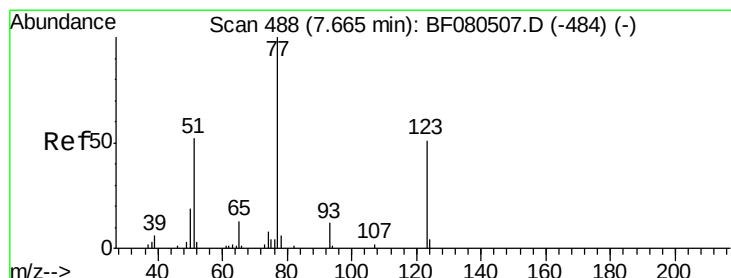
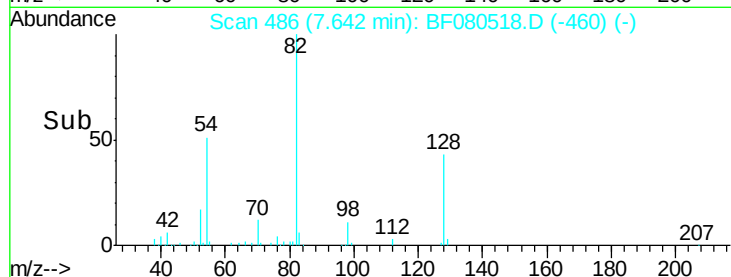
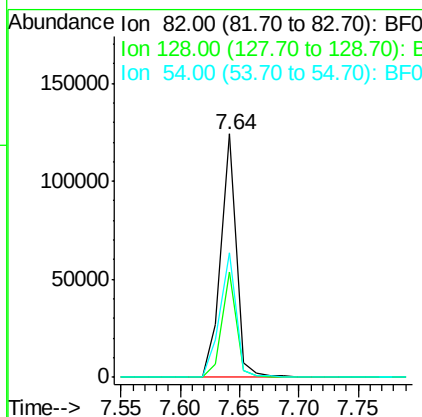
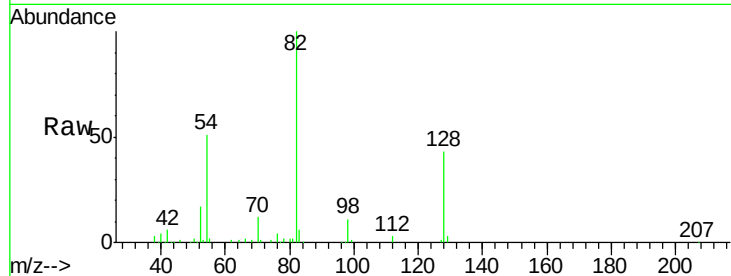




#23
 Nitrobenzene-d5
 Concen: 69.18 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.00 min
 Lab File: BF080518.D
 Acq: 16 Jul 2015 19:17

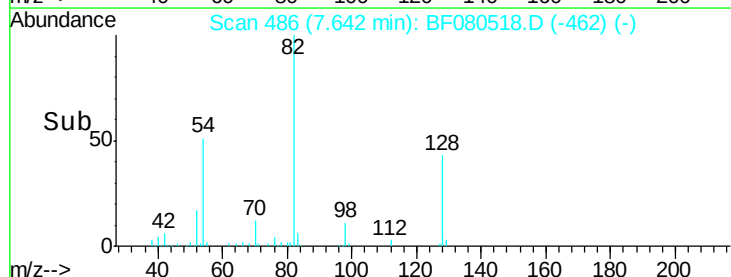
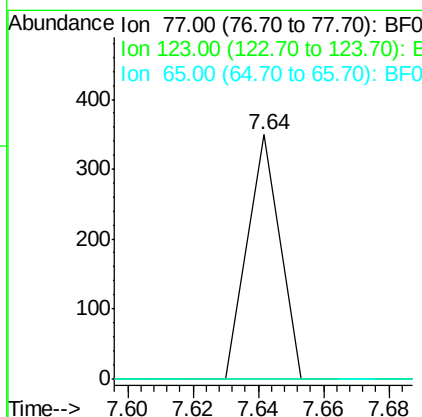
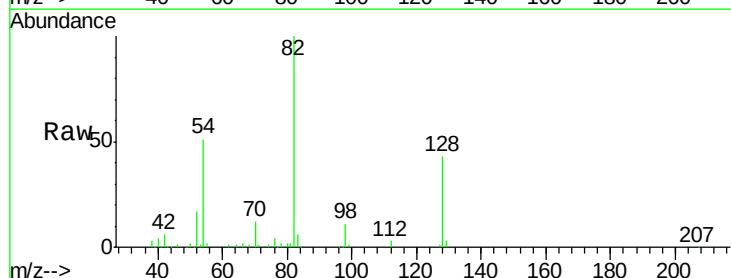
Instrument :
 BNA_F
 ClientSampleId :
 PB84482TB

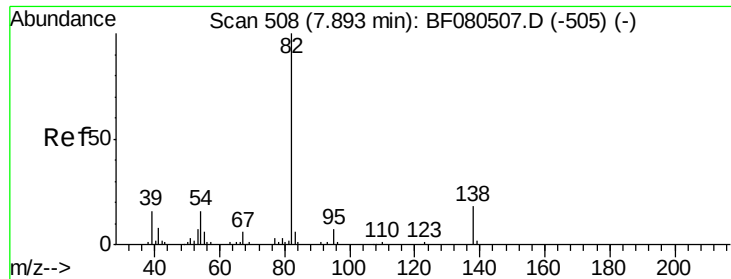
Tot Ion	82	Resp	111409
Ion Ratio	Lower	Upper	
82	100		
128	43.2	51.0	76.6#
54	51.2	47.5	71.3



#24
 Nitrobenzene
 Concen: 0.15 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: BF080518.D
 Acq: 16 Jul 2015 19:17

Tgt Ion	77	Resp	239
Ion Ratio	Lower	Upper	
77	100		
123	0.0	59.8	89.8#
65	0.0	10.2	15.4#





#25

Isophorone

Concen: 39.17 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.25 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

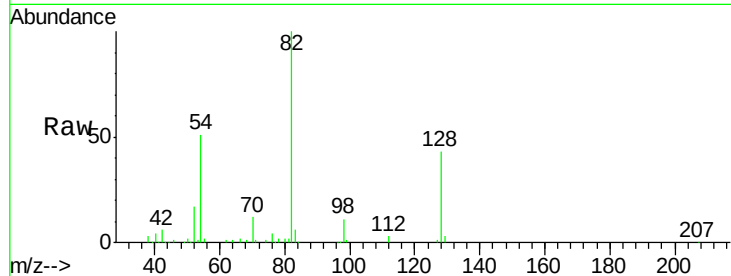
Tot Ion: 82 Resp: 111405

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

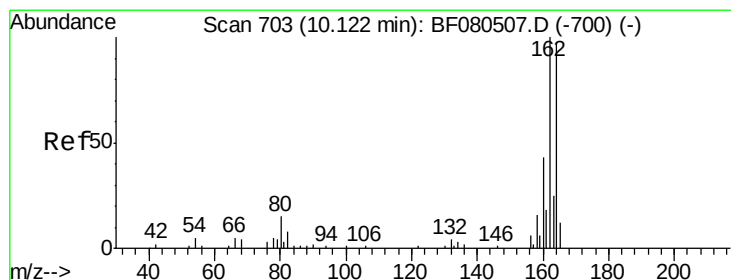
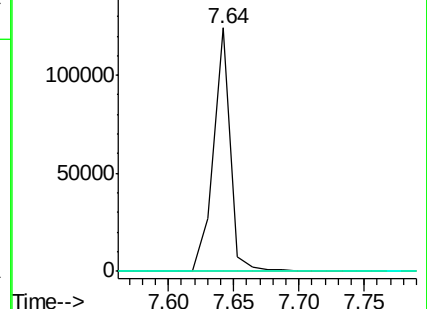
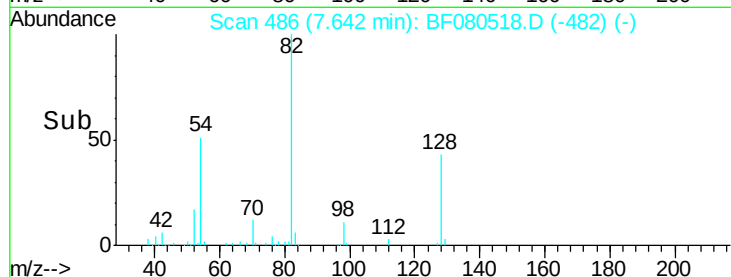
138 0.0 18.3 27.5#



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: BF080518.D

Acq: 16 Jul 2015 19:17

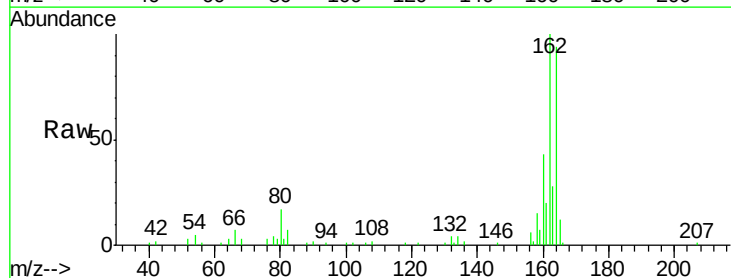
Tgt Ion:164 Resp: 42885

Ion Ratio Lower Upper

164 100

162 106.9 75.2 112.8

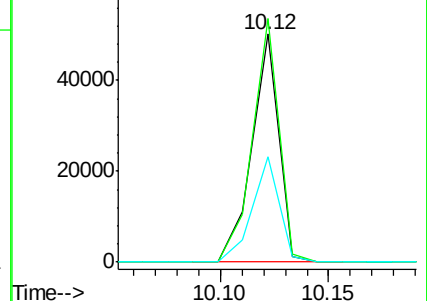
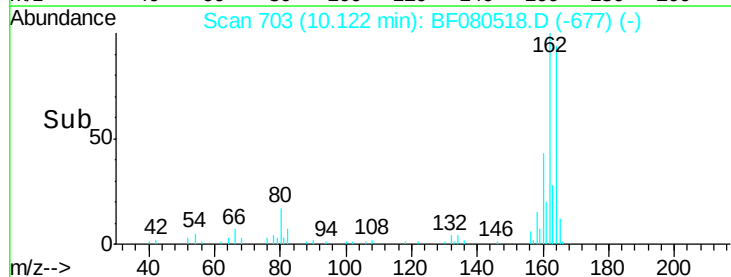
160 46.2 31.5 47.3

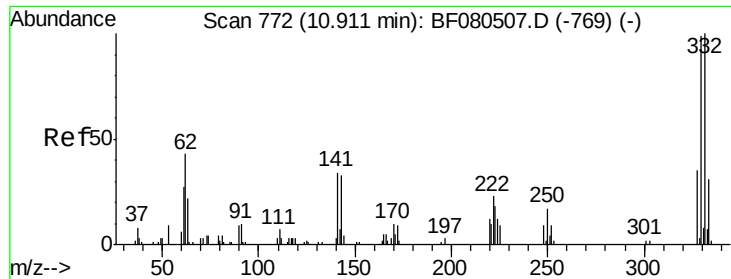


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

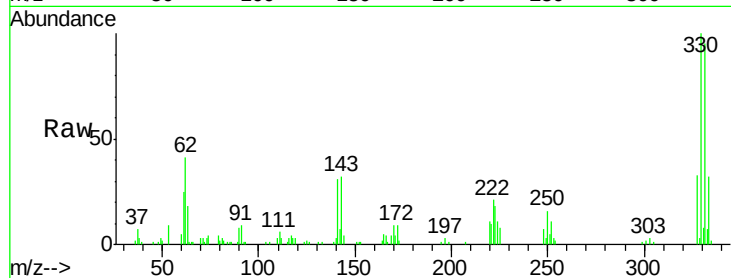




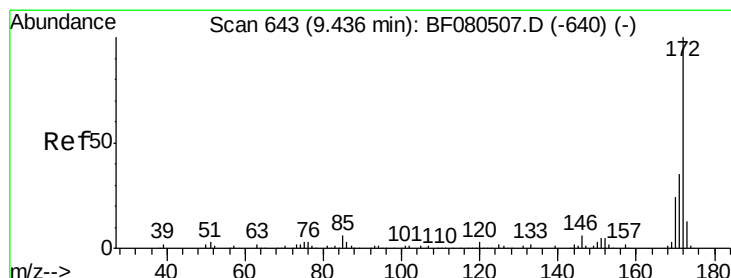
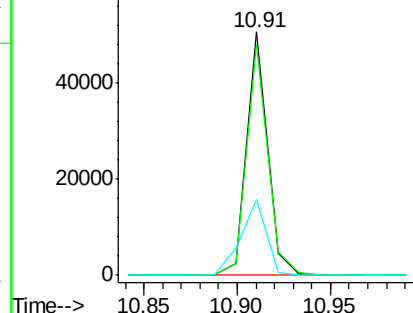
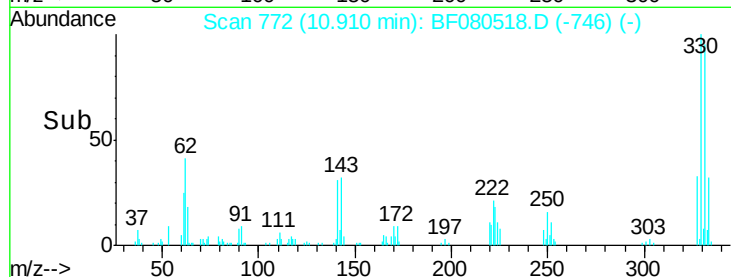
#41
 2,4,6-Tribromophenol
 Concen: 119.39 ng
 RT: 10.91 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF080518.D
 Acq: 16 Jul 2015 19:17

Instrument :
 BNA_F
 ClientSampleId :
 PB84482TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	38.1	29.7	44.5

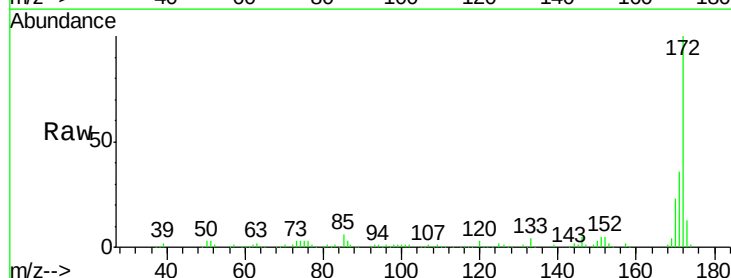


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

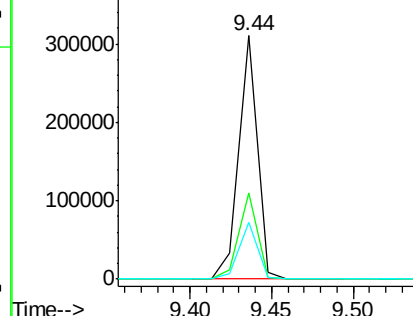
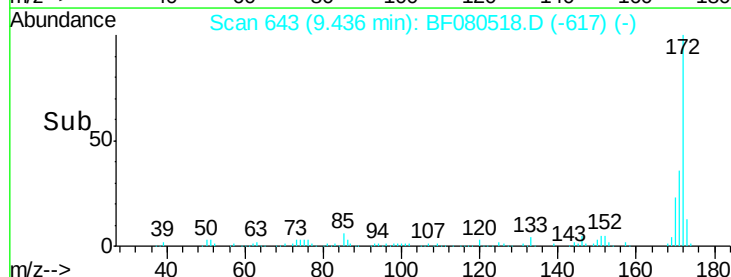


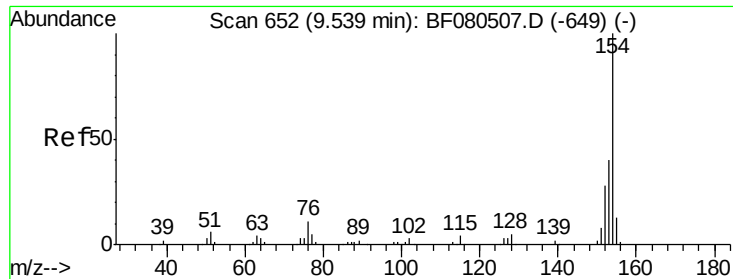
#44
 2-Fluorobiphenyl
 Concen: 76.74 ng
 RT: 9.44 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF080518.D
 Acq: 16 Jul 2015 19:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.1	39.1
170	23.2	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: 0.09 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.10 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

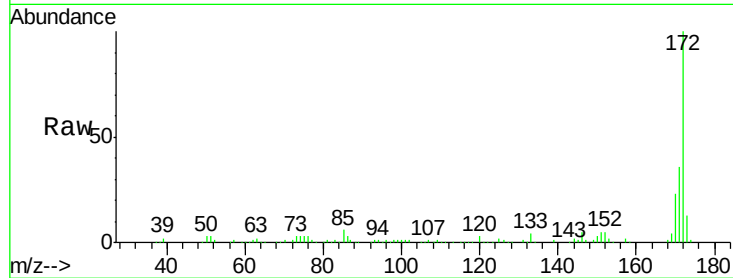
Tot Ion:154 Resp: 319

Ion Ratio Lower Upper

154 100

153 1157.2 17.1 57.1#

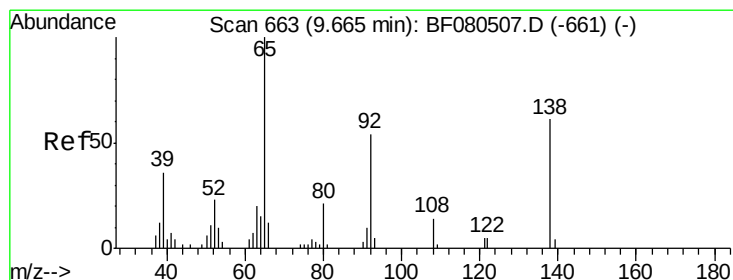
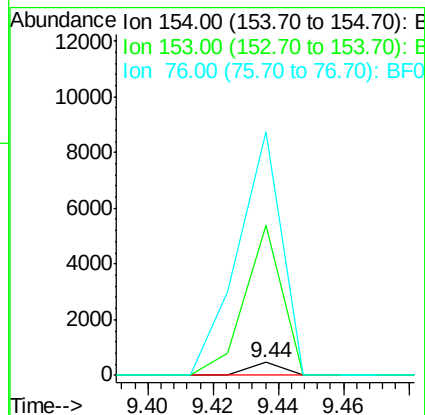
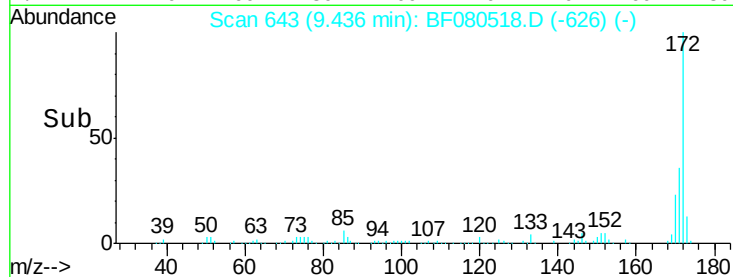
76 1880.2 0.0 31.6#



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



#47

2-Nitroaniline

Concen: 0.41 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.23 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

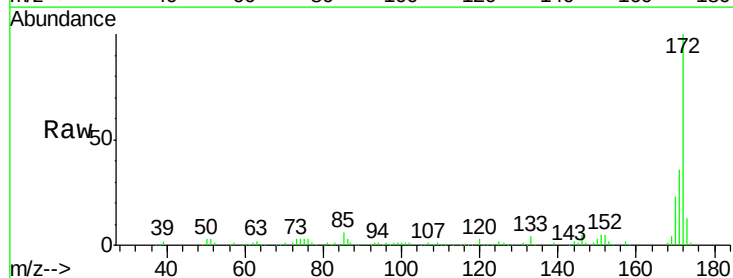
Tgt Ion: 65 Resp: 279

Ion Ratio Lower Upper

65 100

92 213.3 55.4 83.0#

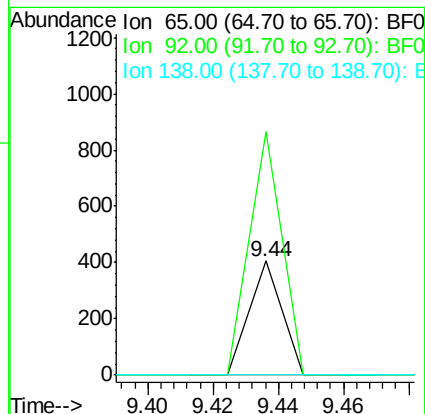
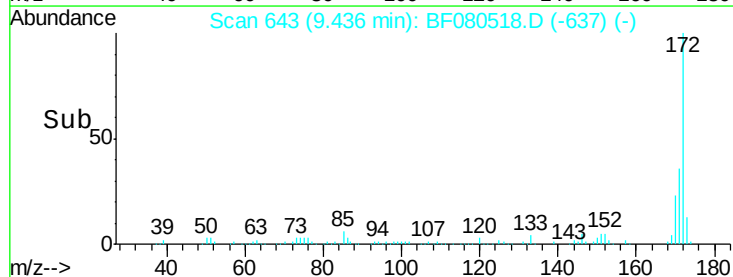
138 0.0 115.5 173.3#

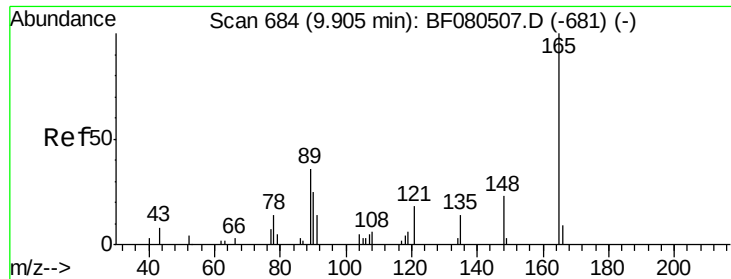


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 9.76 ng

RT: 10.12 min Scan# 703

Delta R.T. 0.22 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

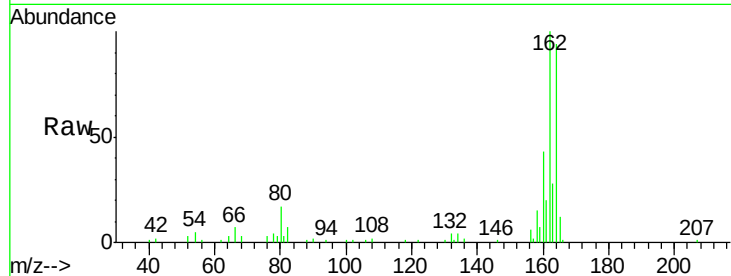
Tot Ion:165 Resp: 5620

Ion Ratio Lower Upper

165 100

63 0.0 32.3 48.5#

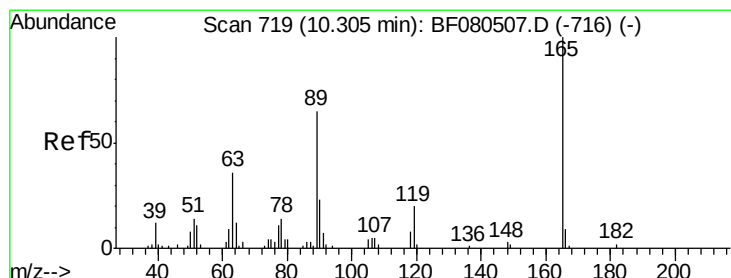
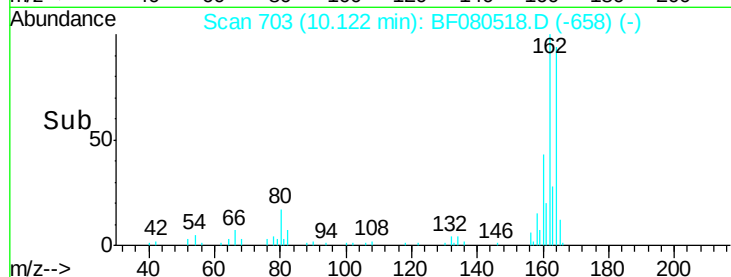
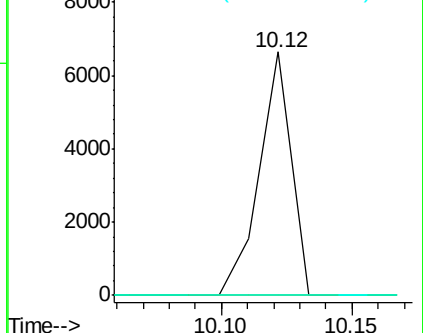
89 0.0 28.6 43.0#



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: 6.74 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.18 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Tgt Ion:165 Resp: 5620

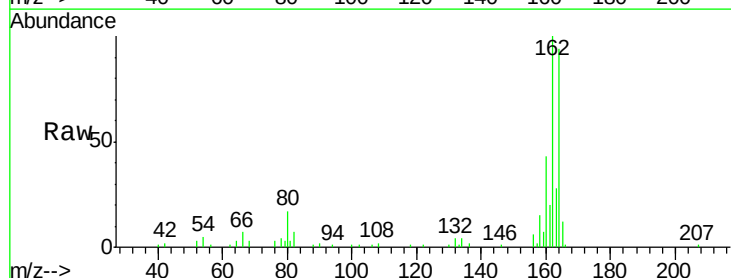
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

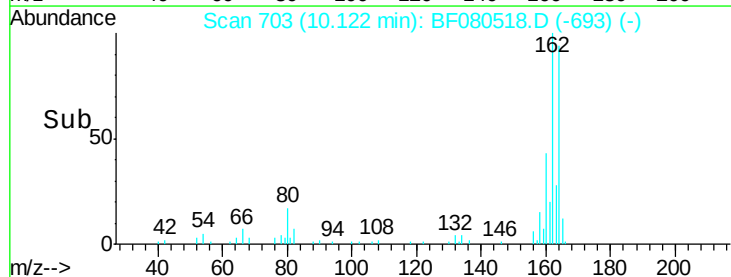
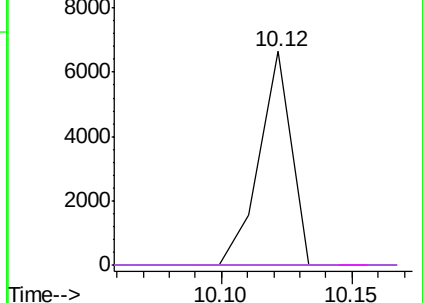


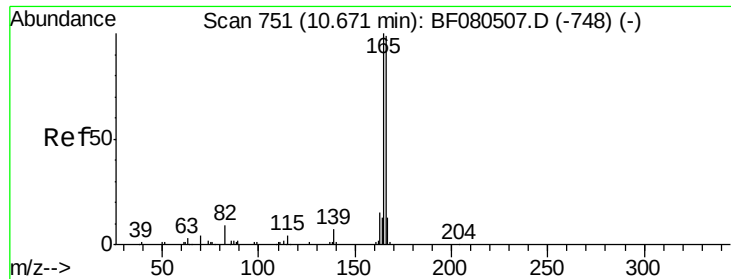
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.65 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.24 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

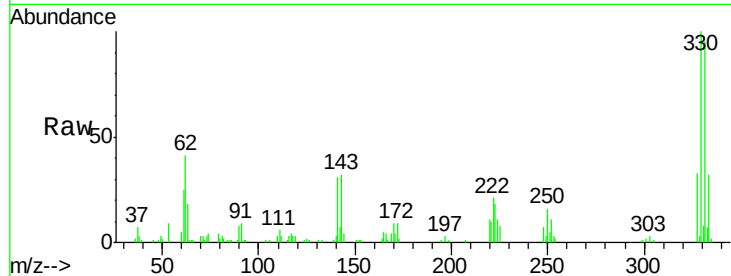
Tot Ion:166 Resp: 1928

Ion Ratio Lower Upper

166 100

165 121.0 72.6 109.0#

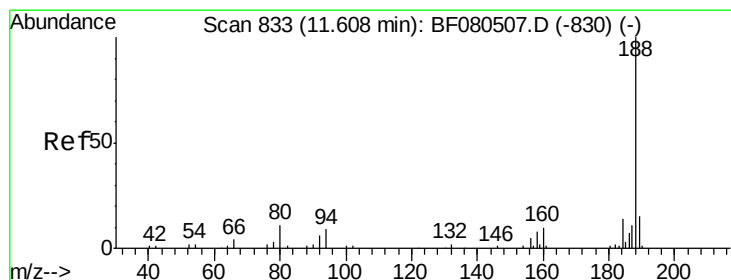
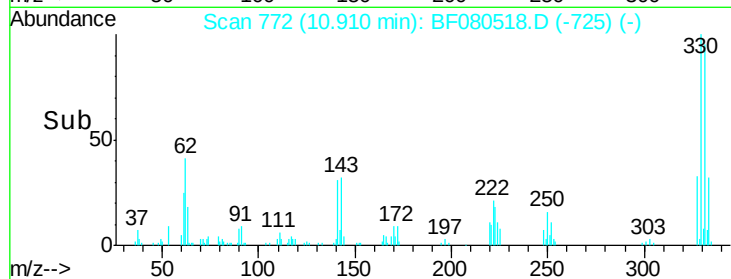
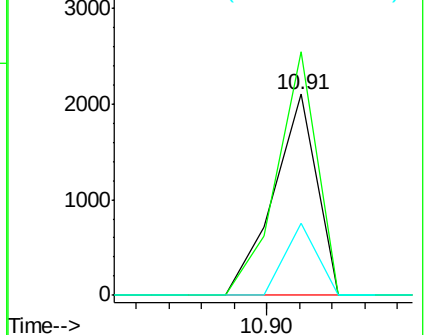
167 35.7 10.6 16.0#



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: BF080518.D

Acq: 16 Jul 2015 19:17

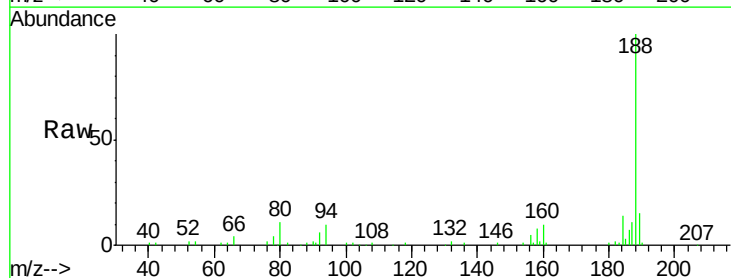
Tgt Ion:188 Resp: 82427

Ion Ratio Lower Upper

188 100

94 10.1 11.1 16.7#

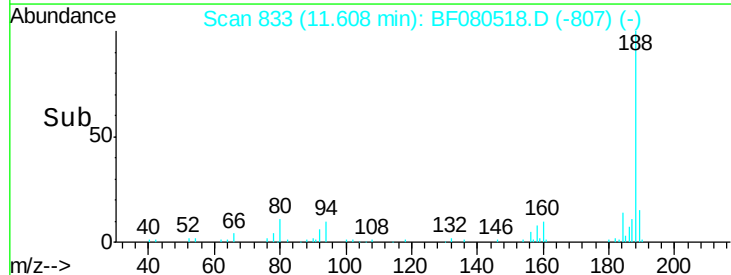
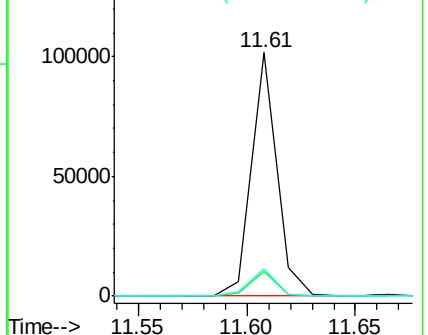
80 11.0 11.0 16.4

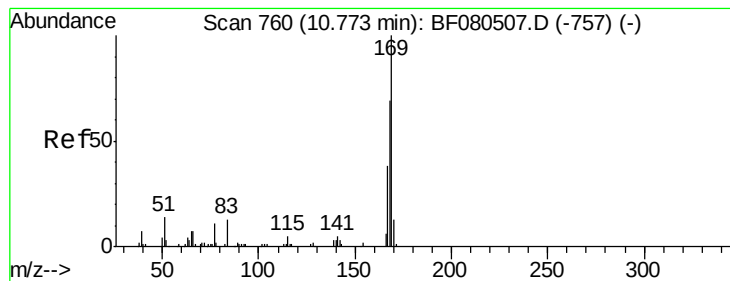


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.54 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.14 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

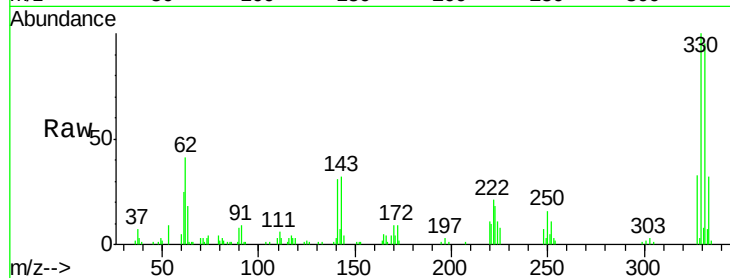
Tot Ion:169 Resp: 1514

Ion Ratio Lower Upper

169 100

168 0.0 48.9 73.3#

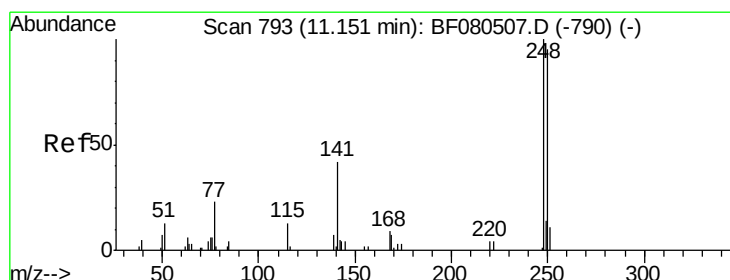
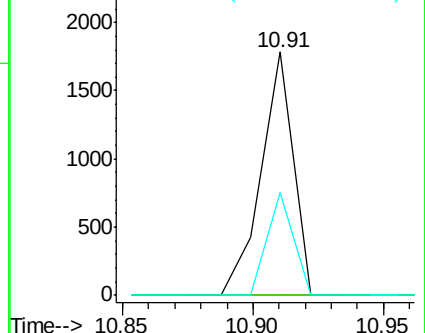
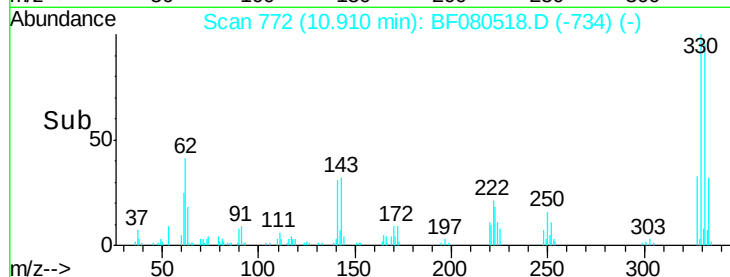
167 42.1 26.2 39.4#



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: 3.65 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.24 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

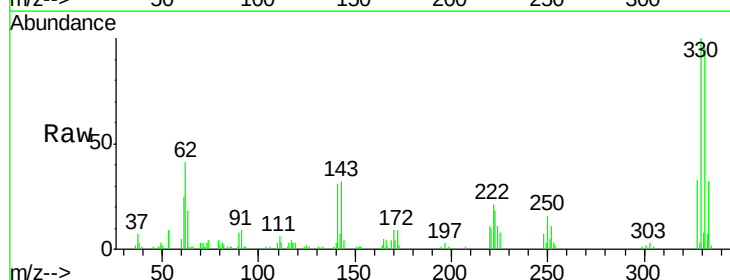
Tgt Ion:248 Resp: 2927

Ion Ratio Lower Upper

248 100

250 216.7 78.5 117.7#

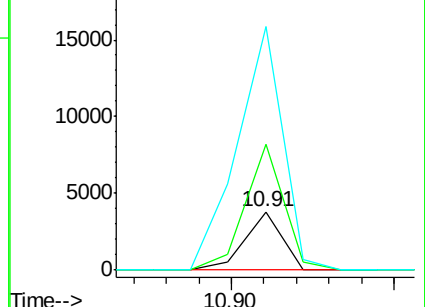
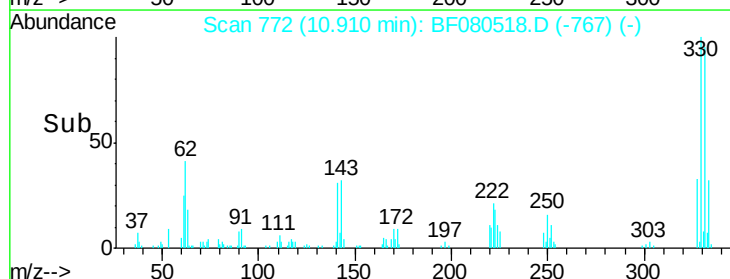
141 419.7 59.0 88.6#

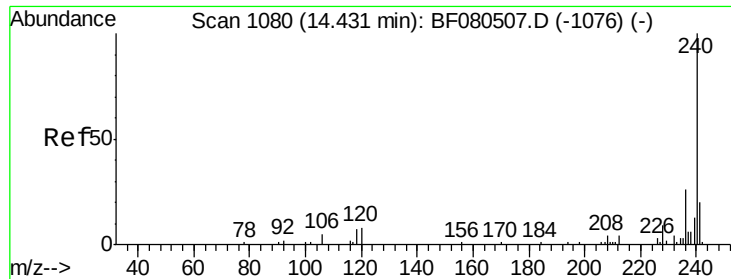


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.42 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

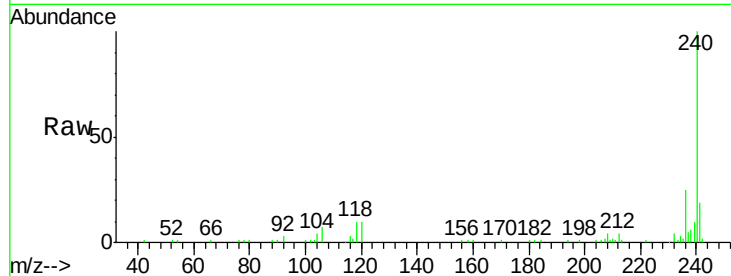
Tot Ion:240 Resp: 67185

Ion Ratio Lower Upper

240 100

120 9.8 16.2 24.2#

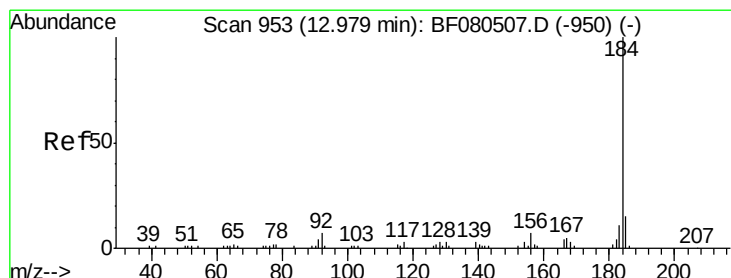
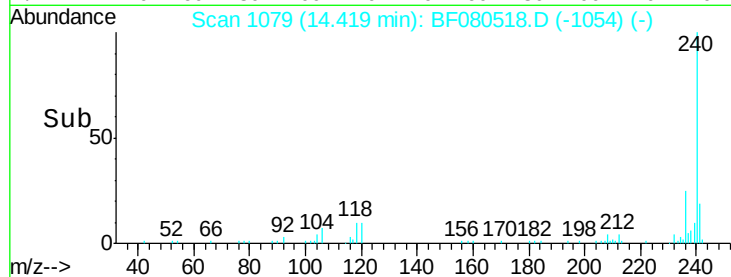
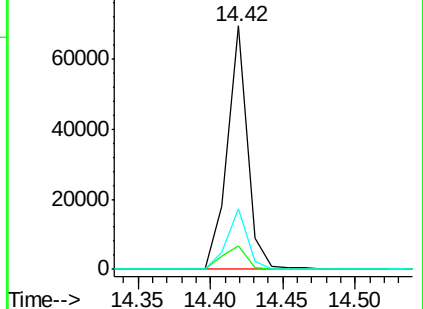
236 25.1 18.4 27.6



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: 0.26 ng

RT: 12.99 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

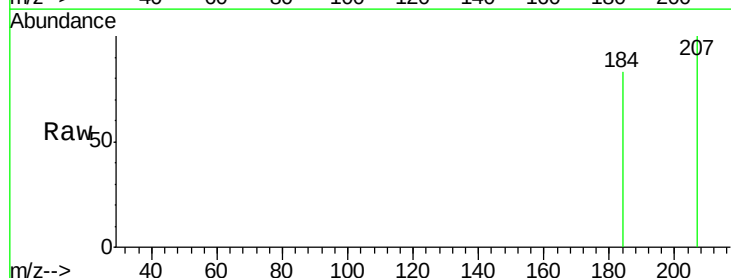
Tgt Ion:184 Resp: 567

Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.6#

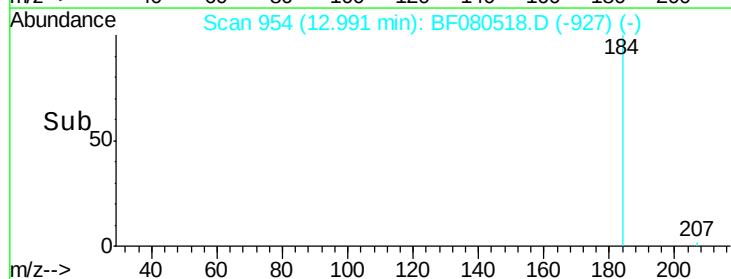
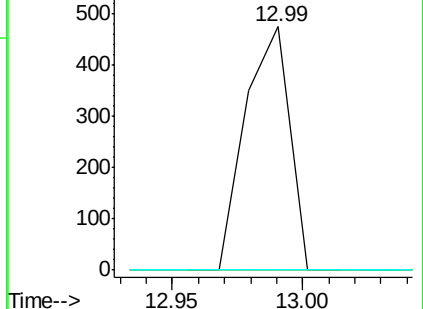
183 0.0 7.6 11.4#

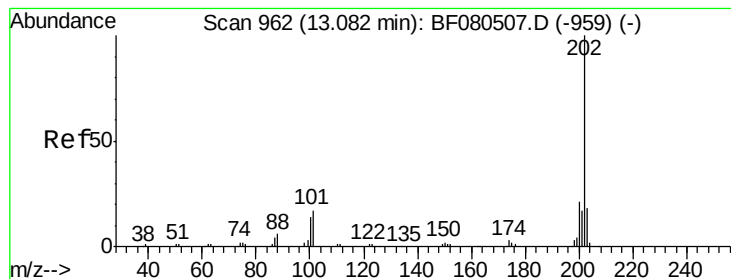


Abundance Ion 184.00 (183.70 to 184.70): E

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: 13.22 min Scan# 974

Delta R.T. 0.14 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

Instrument :

BNA_F

ClientSampleId :

PB84482TB

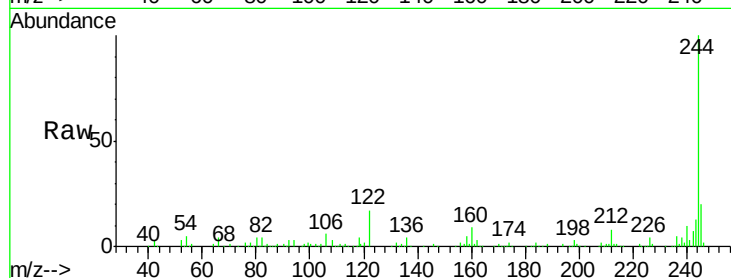
Tot Ion:202 Resp: 718

Ion Ratio Lower Upper

202 100

200 52.2 15.0 22.4#

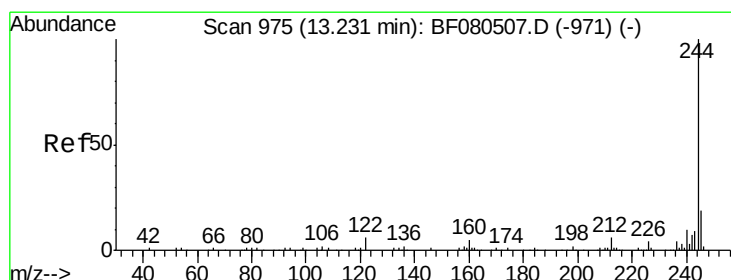
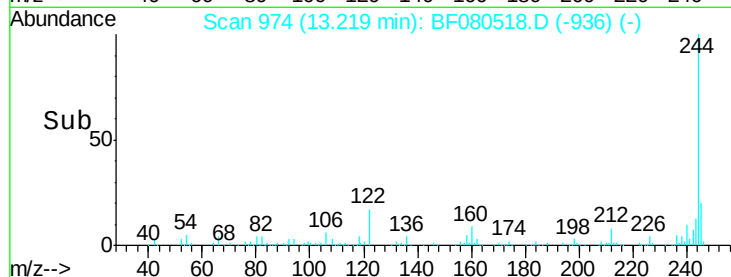
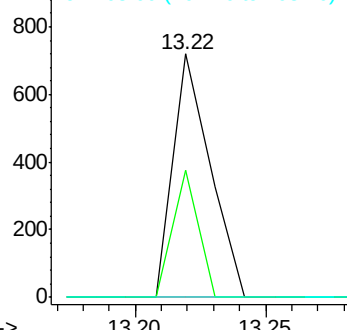
203 0.0 14.1 21.1#



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: 69.11 ng

RT: 13.22 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF080518.D

Acq: 16 Jul 2015 19:17

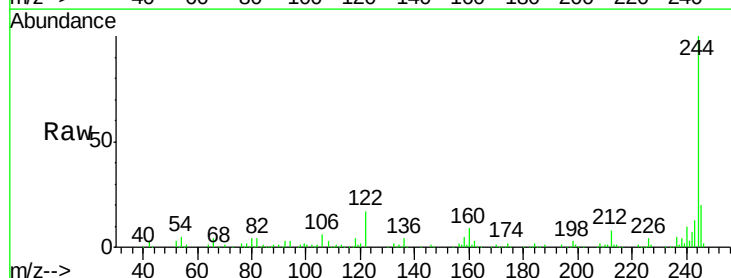
Tgt Ion:244 Resp: 223936

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

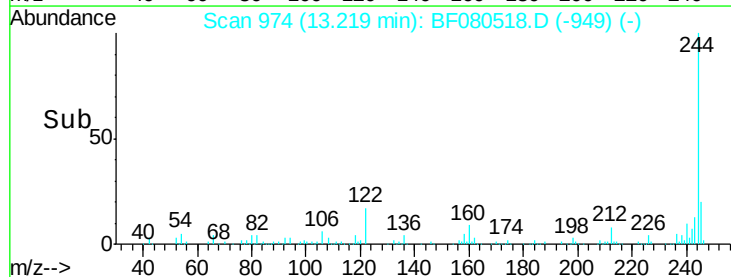
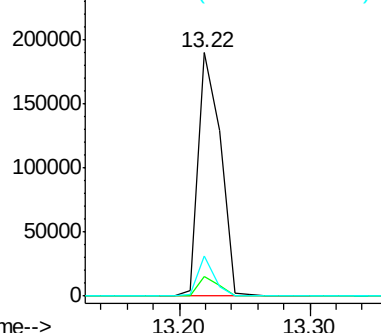
122 16.7 17.4 26.2#

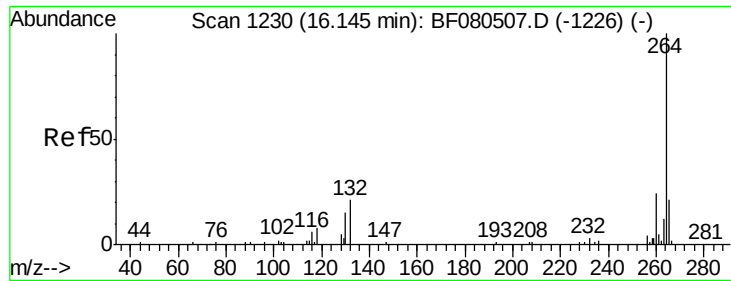


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

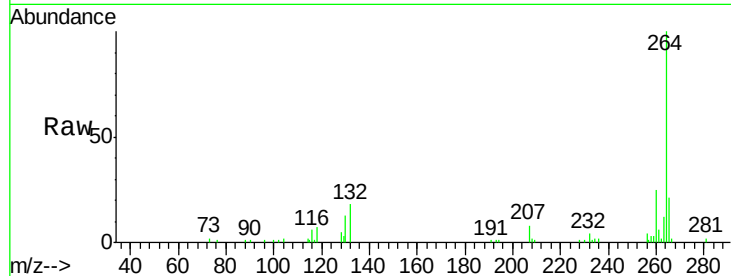




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 1228
Delta R.T. -0.02 min
Lab File: BF080518.D
Acq: 16 Jul 2015 19:17

Instrument :
BNA_F
ClientSampleId :
PB84482TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.7	25.1
265	21.3	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

