

Data Path : Z:\HPCHEM1\BNA_F\Data\BF071415\
 Data File : BF080481.D
 Acq On : 15 Jul 2015 9:07
 Operator : TP/UM
 Sample : PB84491BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB84491BL

Quant Time: Jul 15 13:35:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 15 03:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	22923	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	99222	20.00	ng	0.00
38) Acenaphthene-d10	10.17	164	48317	20.00	ng	-0.01
63) Phenanthrene-d10	11.66	188	109051	20.00	ng	0.00
75) Chrysene-d12	14.53	240	109732	20.00	ng	0.06
86) Perylene-d12	16.32	264	114559	20.00	ng	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.76	112	137205	97.83	ng	0.00
7) Phenol-d6	6.76	99	182182	106.15	ng	-0.01
23) Nitrobenzene-d5	7.69	82	112145	61.87	ng	0.00
41) 2,4,6-Tribromophenol	10.97	330	39386	86.24	ng	0.00
44) 2-Fluorobiphenyl	9.48	172	232947	66.06	ng	0.00
78) Terphenyl-d14	13.31	244	281283	61.79	ng	0.03

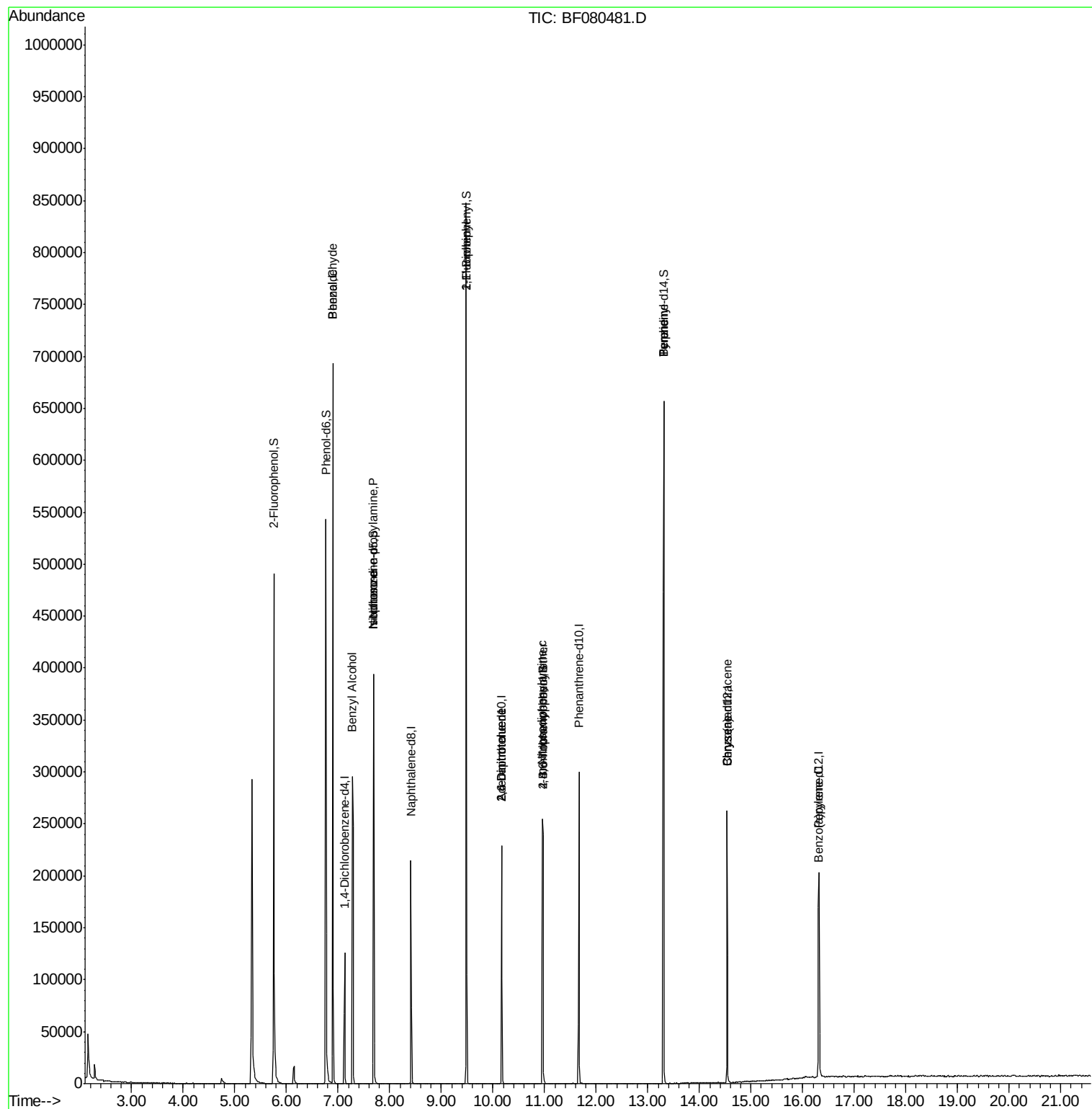
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.90	77	3519	3.36	ng	# 79
10) Phenol	6.90	94	285	0.14	ng	# 1
15) Benzyl Alcohol	7.28	79	1749	1.42	ng	# 44
19) n-Nitroso-di-n-propylamine	7.69	70	13723	11.81	ng	# 82
25) Isophorone	7.69	82	112141	33.51	ng	# 71
45) 1,1'-Biphenyl	9.48	154	259	0.06	ng	# 1
50) 2,6-Dinitrotoluene	10.17	165	6248	7.59	ng	# 20
56) 2,4-Dinitrotoluene	10.17	165	6248	6.70	ng	# 38
65) n-Nitrosodiphenylamine	10.96	169	1431	0.40	ng	# 36
66) 4-Bromophenyl-phenylether	10.97	248	3093	2.84	ng	# 1
76) Benzydine	13.31	184	3716	1.14	ng	# 89
77) Pyrene	13.31	202	826	0.13	ng	# 39
80) Benzo(a)anthracene	14.53	228	213	0.03	ng	# 52
82) Chrysene	14.53	228	213	0.03	ng	# 51
89) Benzo(a)pyrene	16.31	252	207	0.03	ng	# 59

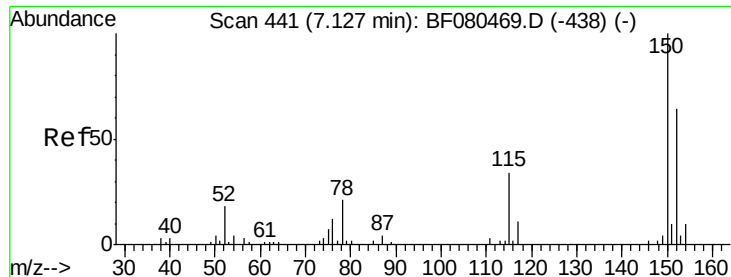
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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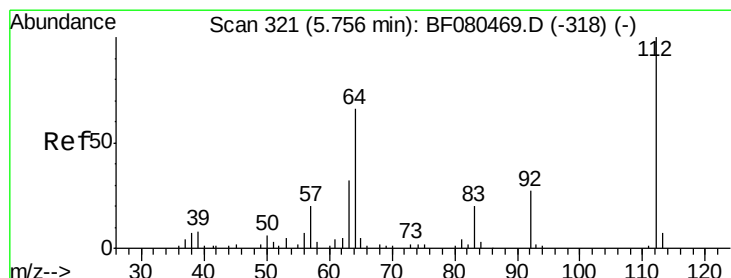
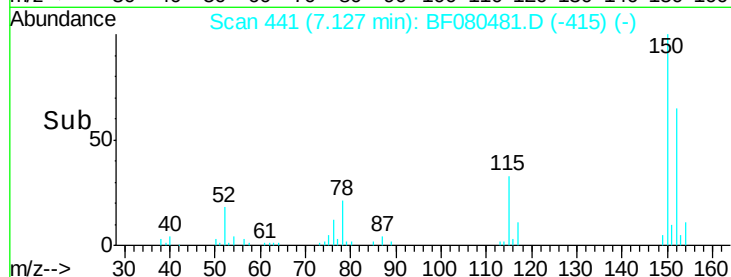
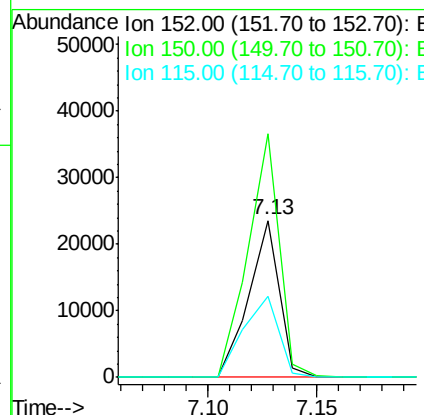
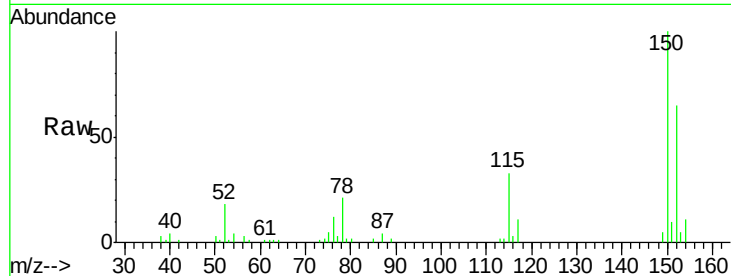




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

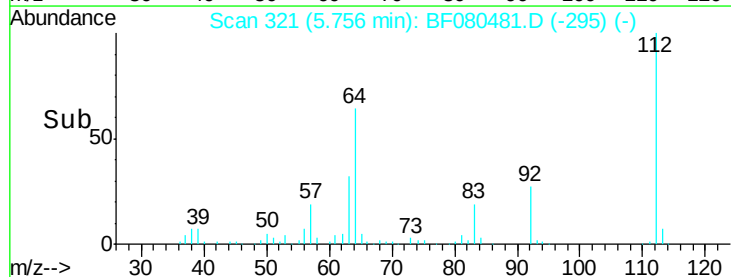
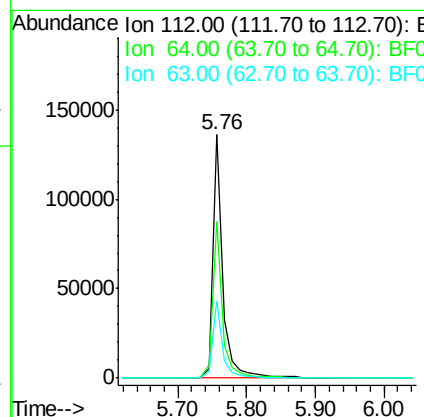
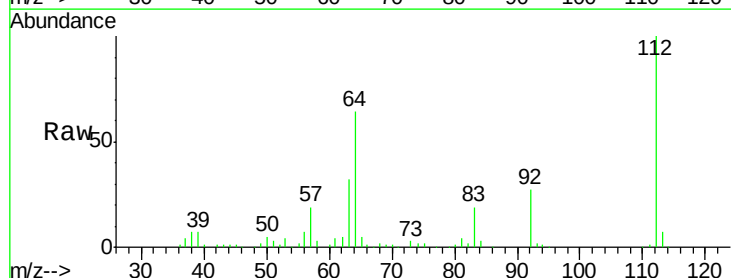
Instrument :
 BNA_F
 ClientSampleId :
 PB84491BL

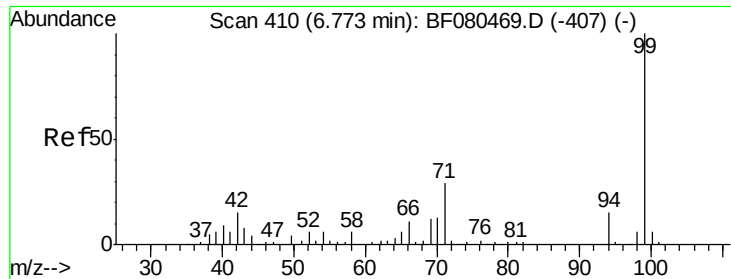
Tgt Ion:152 Resp: 22923
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.5 188.3
 115 51.6 42.9 64.3



#5
 2-Fluorophenol
 Concen: 97.83 ng
 RT: 5.76 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Tgt Ion:112 Resp: 137205
 Ion Ratio Lower Upper
 112 100
 64 64.4 52.6 79.0
 63 31.7 25.9 38.9





#7

Phenol-d6

Concen: 106.15 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

Instrument :

BNA_F

ClientSampleId :

PB84491BL

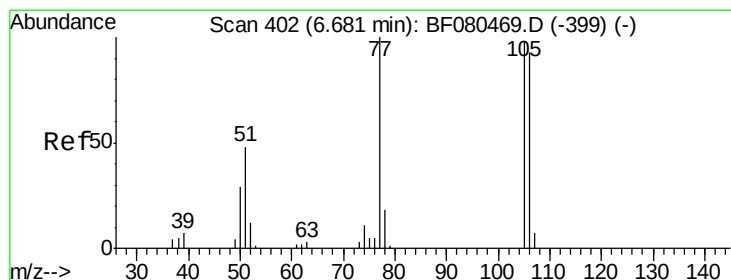
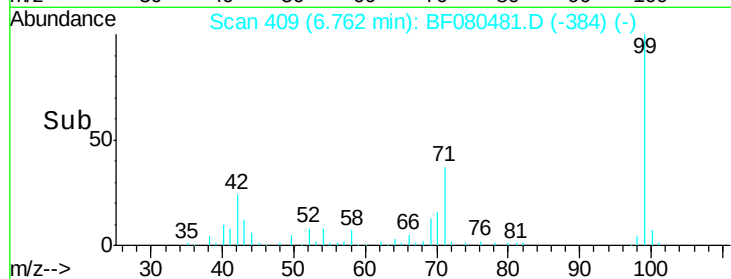
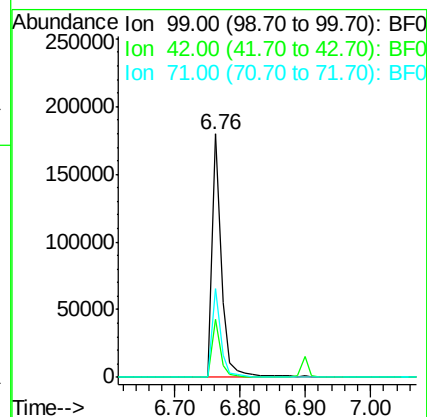
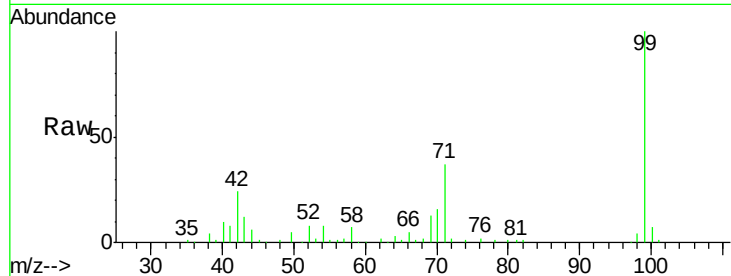
Tgt Ion: 99 Resp: 182182

Ion Ratio Lower Upper

99 100

42 23.7 12.4 18.6#

71 36.7 22.9 34.3#



#9

Benzaldehyde

Concen: 3.36 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.22 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

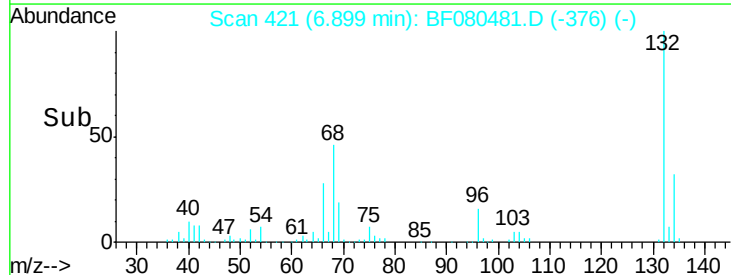
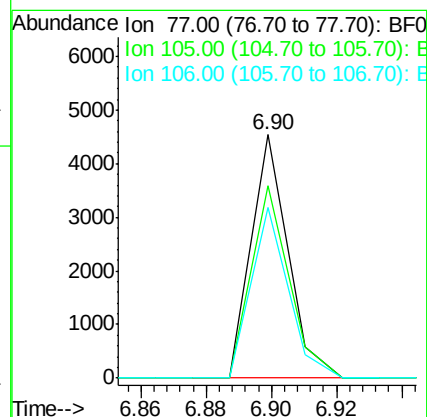
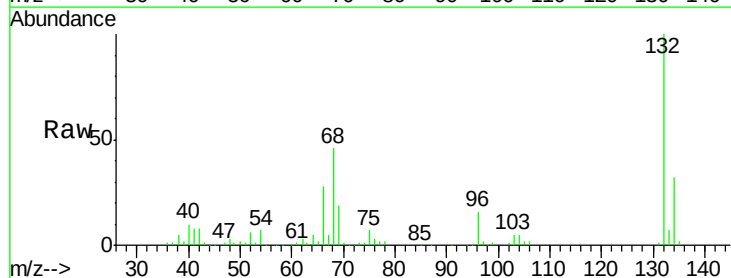
Tgt Ion: 77 Resp: 3519

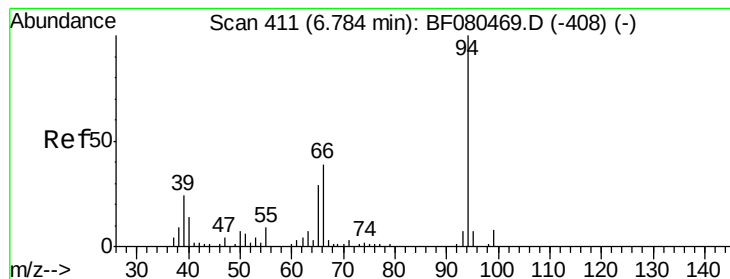
Ion Ratio Lower Upper

77 100

105 79.1 77.7 117.7

106 70.1 72.6 112.6#





#10

Phenol

Concen: 0.14 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.11 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

Instrument :

BNA_F

ClientSampleId :

PB84491BL

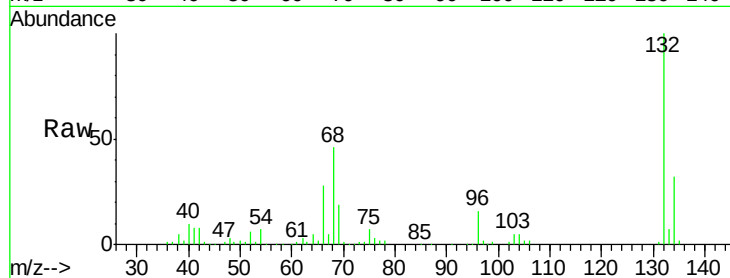
Tgt Ion: 94 Resp: 285

Ion Ratio Lower Upper

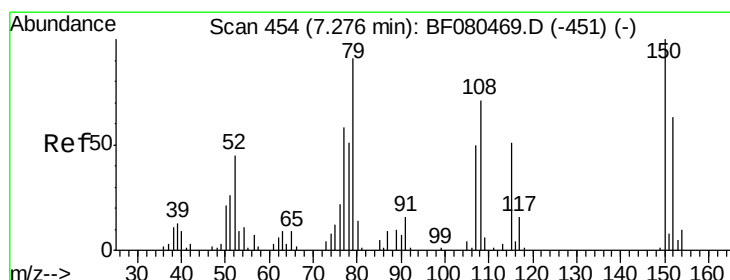
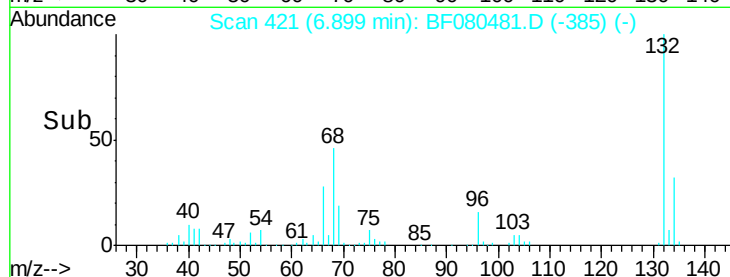
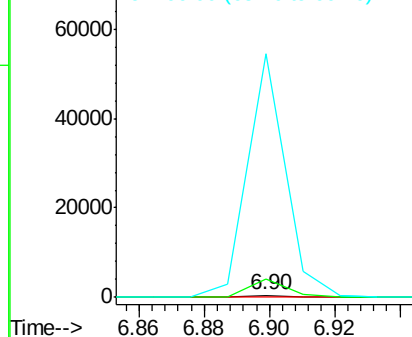
94 100

65 1003.8 9.3 49.3#

66 13094.2 19.3 59.3#



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: 1.42 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

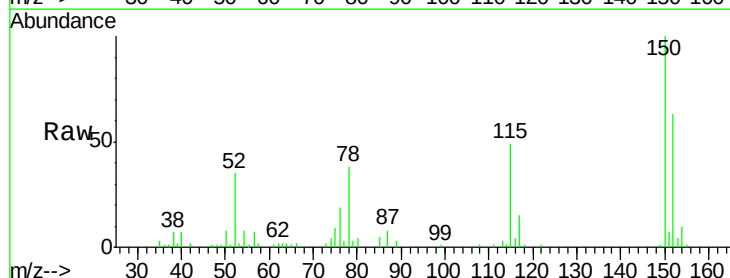
Tgt Ion: 79 Resp: 1749

Ion Ratio Lower Upper

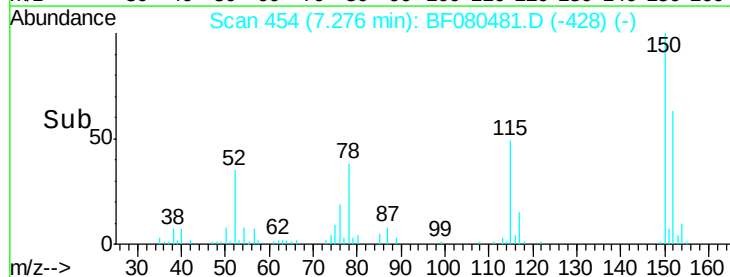
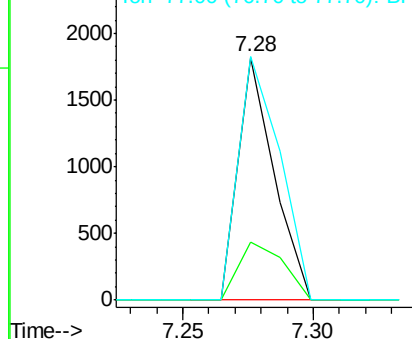
79 100

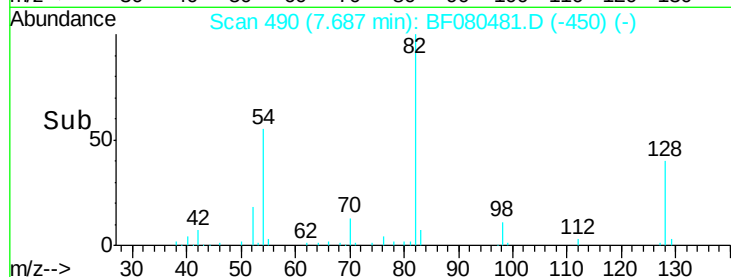
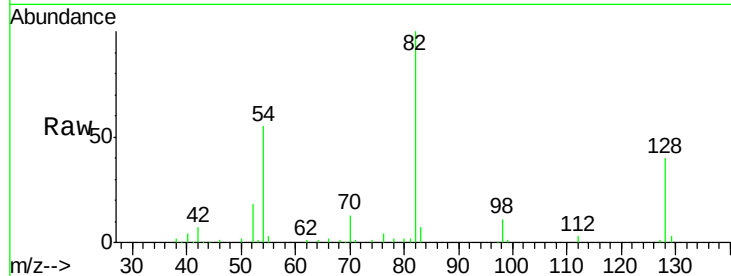
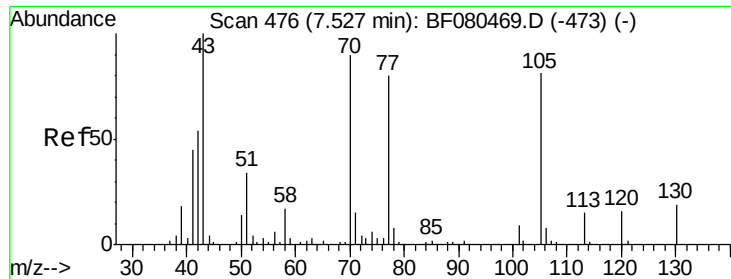
108 23.7 63.0 94.4#

77 100.4 51.1 76.7#



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

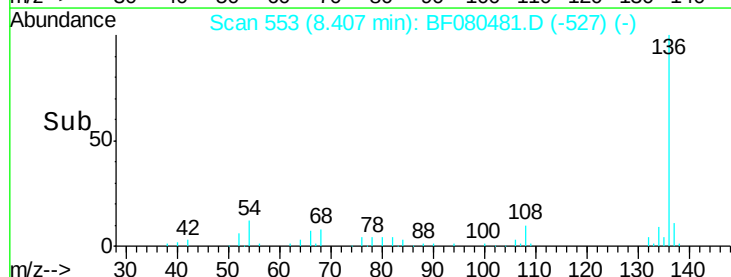
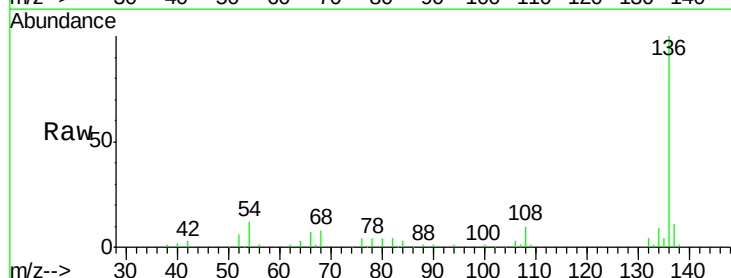
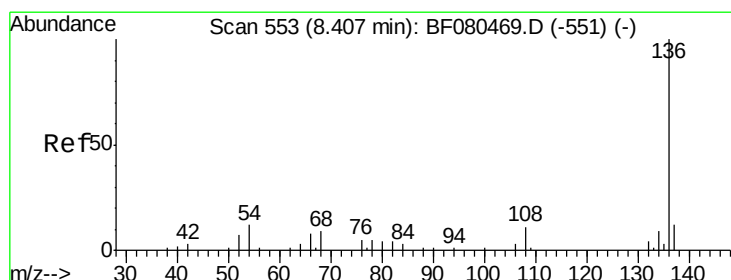
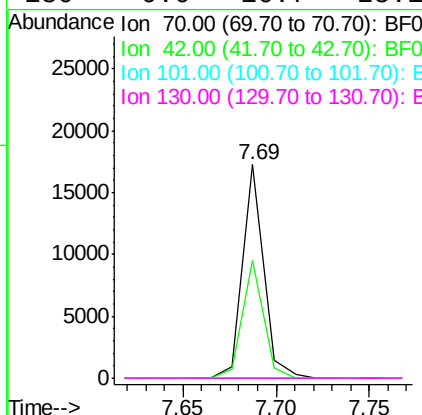




#19
n-Nitroso-di-n-propylamine
Concen: 11.81 ng
RT: 7.69 min Scan# 490
Delta R.T. 0.16 min
Lab File: BF080481.D
Acq: 15 Jul 2015 9:07

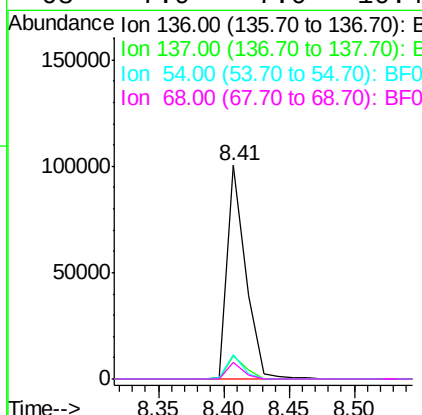
Instrument :
BNA_F
ClientSampleId :
PB84491BL

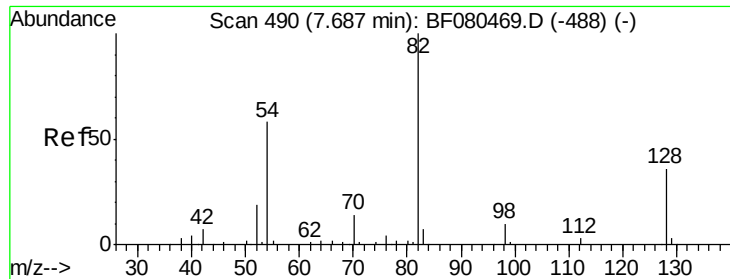
Tgt Ion: 70 Resp: 13723
Ion Ratio Lower Upper
70 100
42 54.9 48.0 72.0
101 0.0 7.8 11.6#
130 0.0 16.7 25.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.41 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF080481.D
Acq: 15 Jul 2015 9:07

Tgt Ion: 136 Resp: 99222
Ion Ratio Lower Upper
136 100
137 10.9 9.5 14.3
54 11.7 9.8 14.8
68 7.9 7.0 10.4

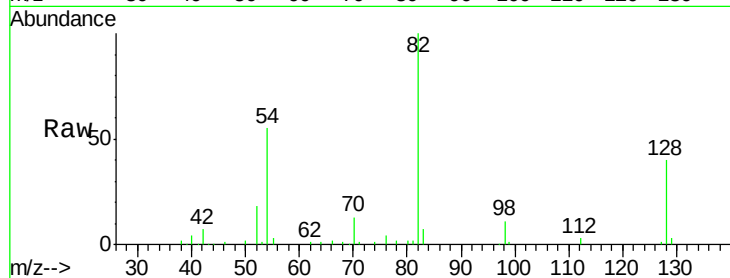




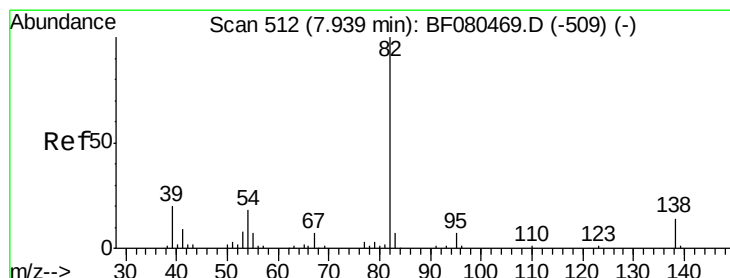
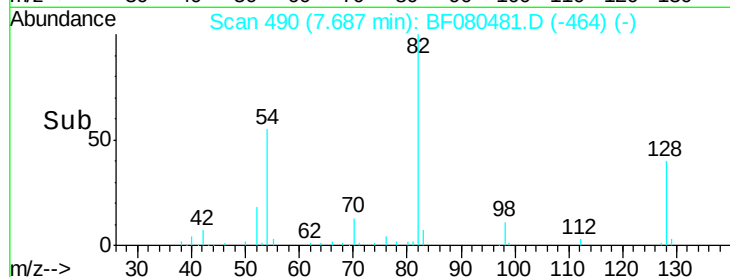
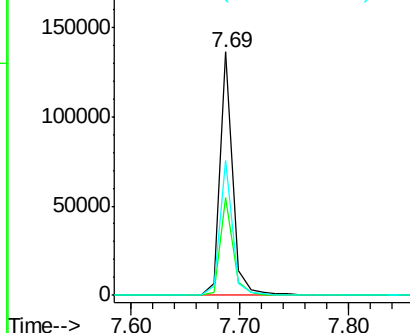
#23
 Nitrobenzene-d5
 Concen: 61.87 ng
 RT: 7.69 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Instrument :
 BNA_F
 ClientSampleId :
 PB84491BL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	29.0	43.4
54	55.4	46.4	69.6

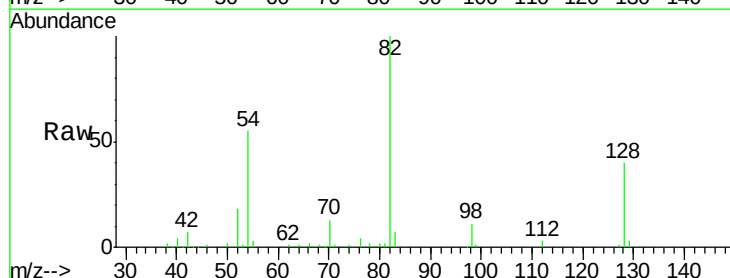


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

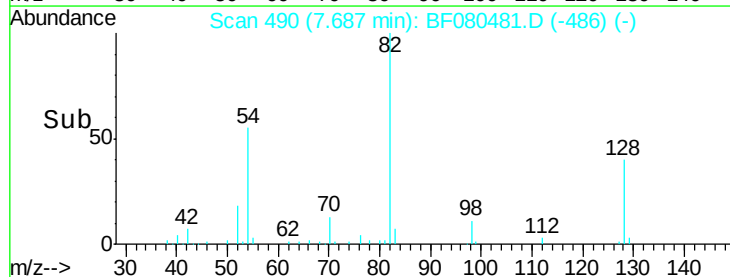
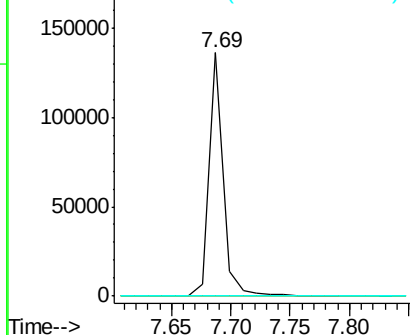


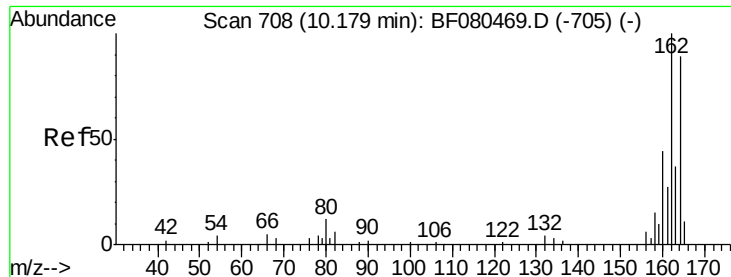
#25
 Isophorone
 Concen: 33.51 ng
 RT: 7.69 min Scan# 490
 Delta R.T. -0.25 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	10.8	16.2#



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: 10.17 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

Instrument :

BNA_F

ClientSampleId :

PB84491BL

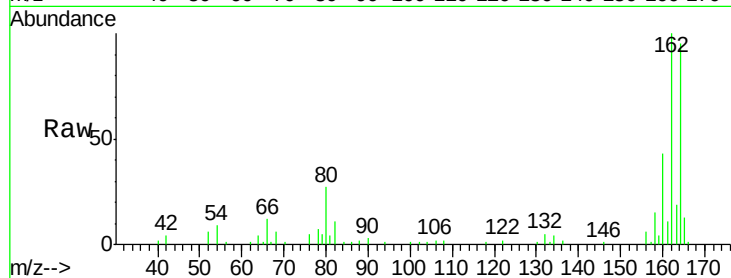
Tgt Ion:164 Resp: 48317

Ion Ratio Lower Upper

164 100

162 105.3 89.8 134.8

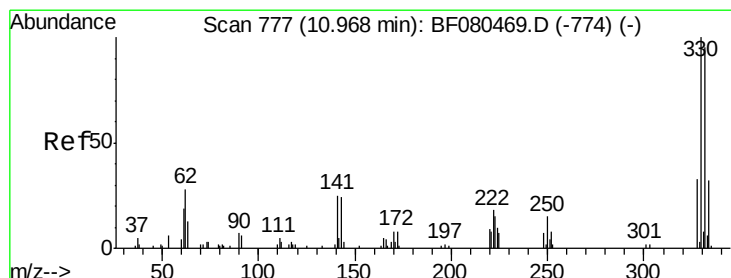
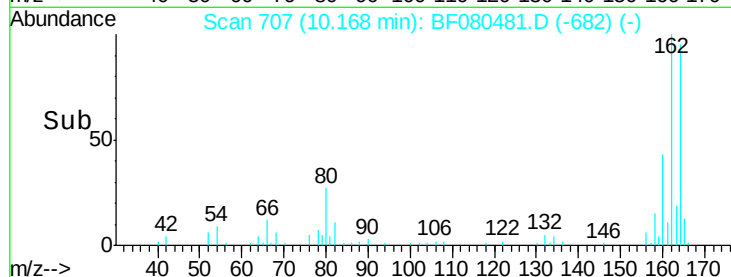
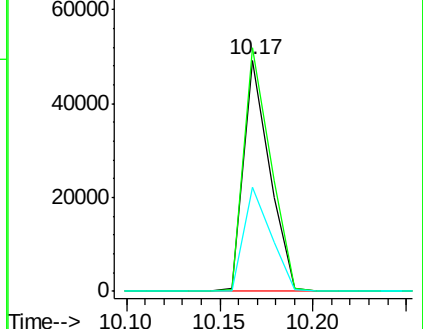
160 45.1 39.5 59.3



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: 86.24 ng

RT: 10.97 min Scan# 777

Delta R.T. 0.00 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

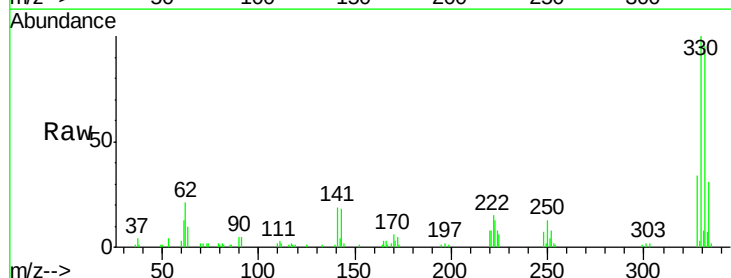
Tgt Ion:330 Resp: 39386

Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

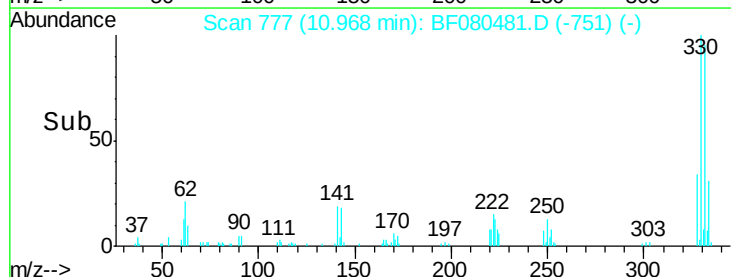
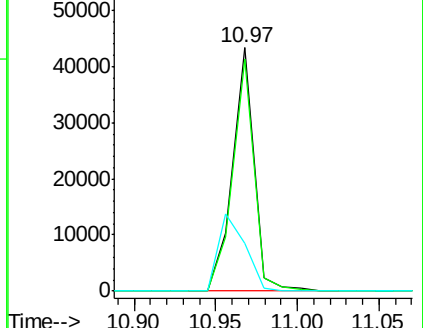
141 39.8 29.8 44.6

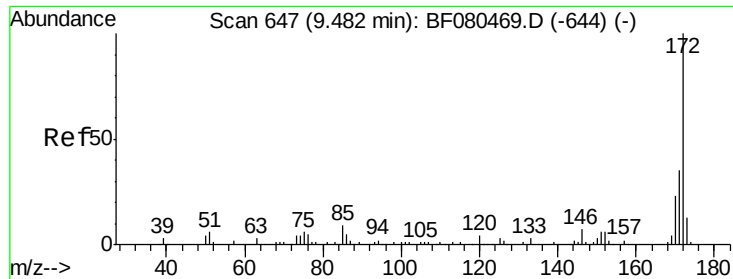


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

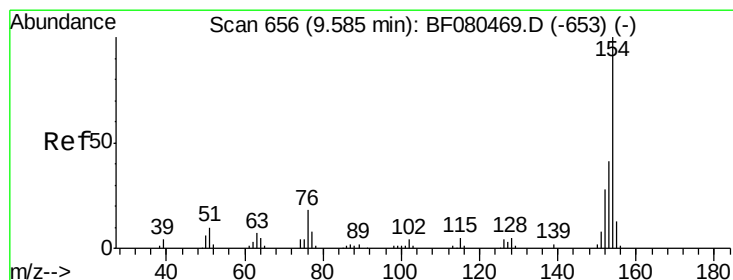
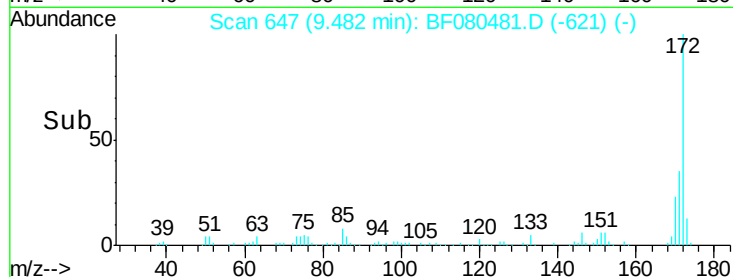
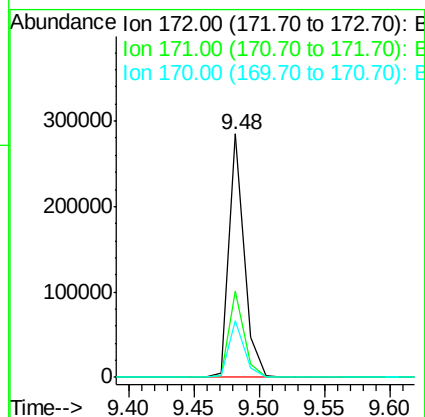
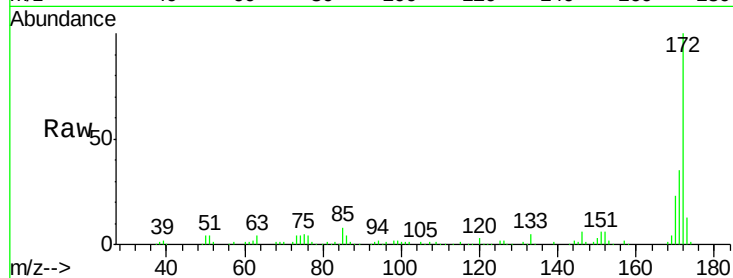




#44
 2-Fluorobiphenyl
 Concen: 66.06 ng
 RT: 9.48 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

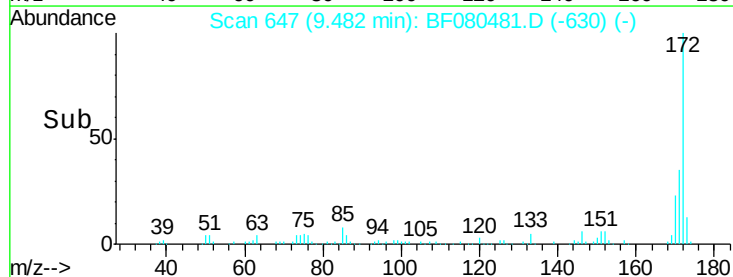
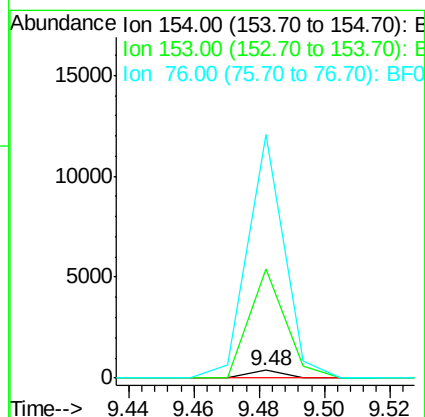
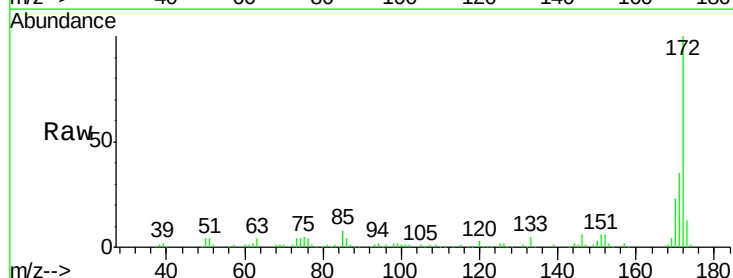
Instrument :
 BNA_F
 ClientSampleId :
 PB84491BL

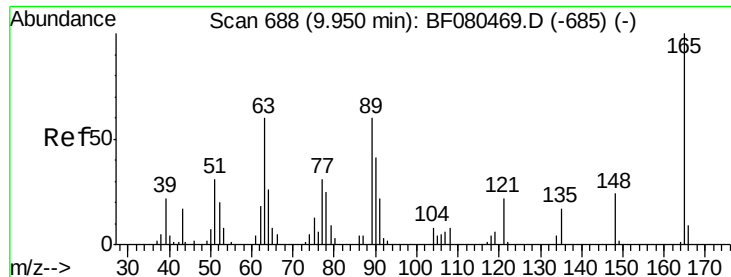
Tgt Ion:172 Resp: 232947
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.9 41.9
 170 23.2 18.5 27.7



#45
 1,1'-Biphenyl
 Concen: 0.06 ng
 RT: 9.48 min Scan# 647
 Delta R.T. -0.10 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Tgt Ion:154 Resp: 259
 Ion Ratio Lower Upper
 154 100
 153 1436.2 20.8 60.8#
 76 3190.5 0.0 37.7#

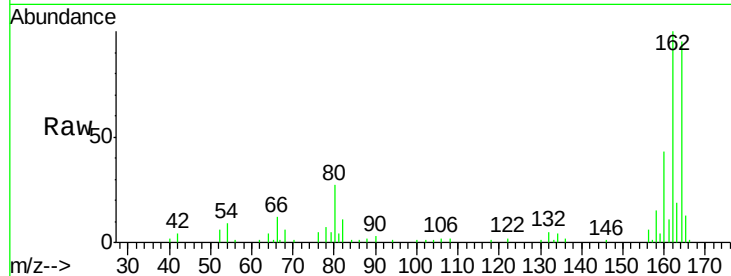




#50
 2,6-Dinitrotoluene
 Concen: 7.59 ng
 RT: 10.17 min Scan# 707
 Delta R.T. 0.22 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Instrument :
 BNA_F
 ClientSampleId :
 PB84491BL

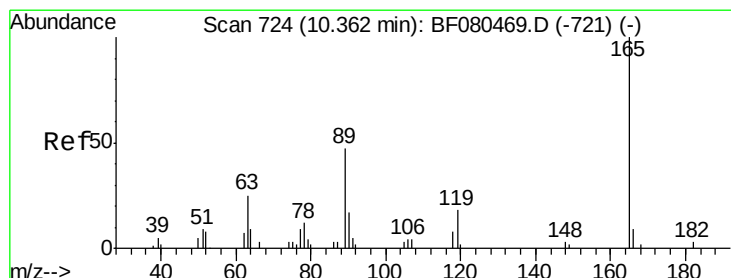
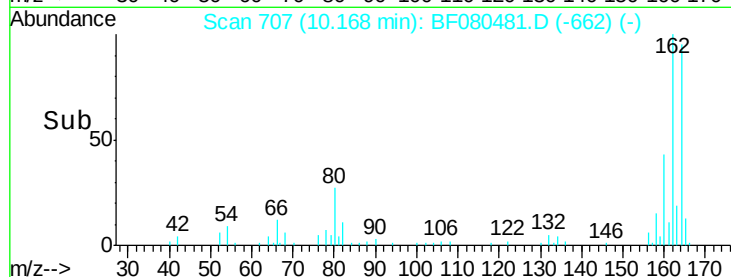
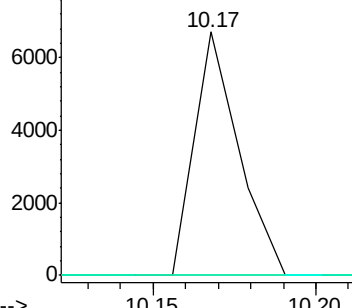
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	49.6	74.4#
89	0.0	47.6	71.4#



Abundance Ion 165.00 (164.70 to 165.70): E

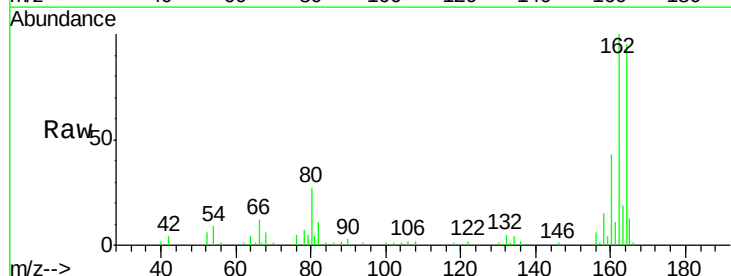
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 10.17 min Scan# 707
 Delta R.T. -0.19 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	21.7	32.5#
89	0.0	37.4	56.2#
182	0.0	2.2	3.2#

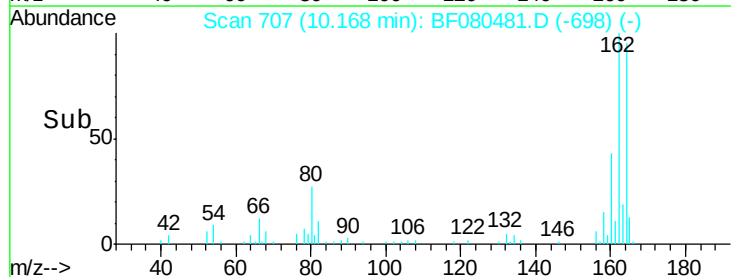
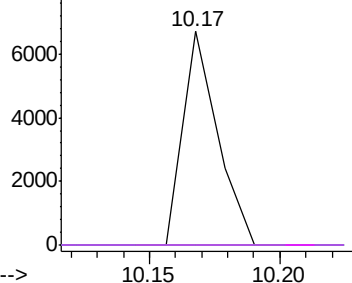


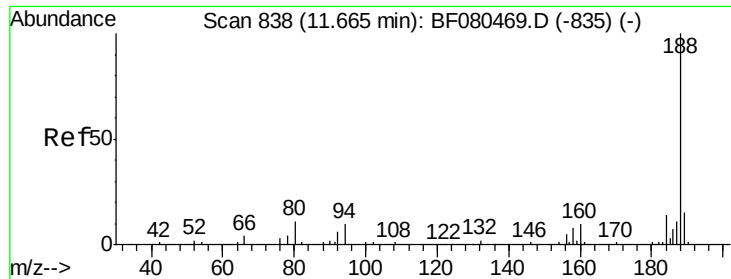
Abundance Ion 165.00 (164.70 to 165.70): E

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

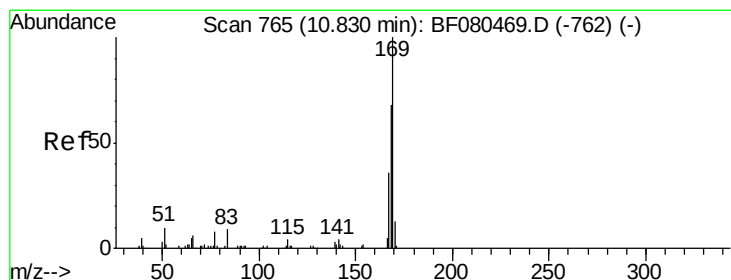
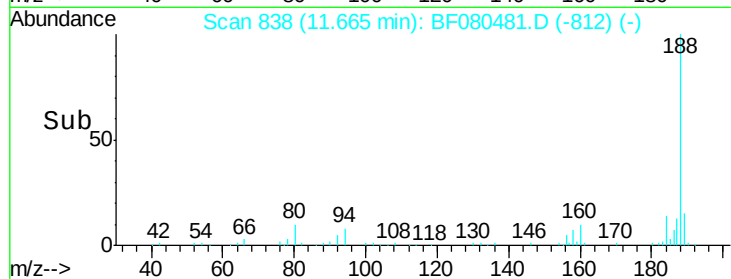
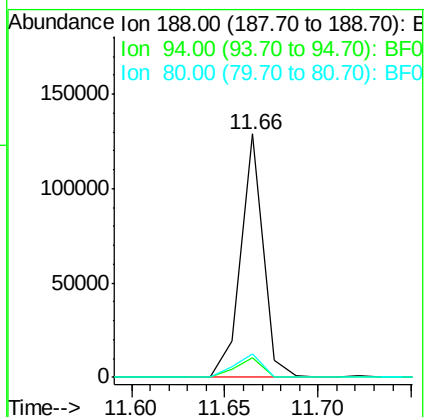
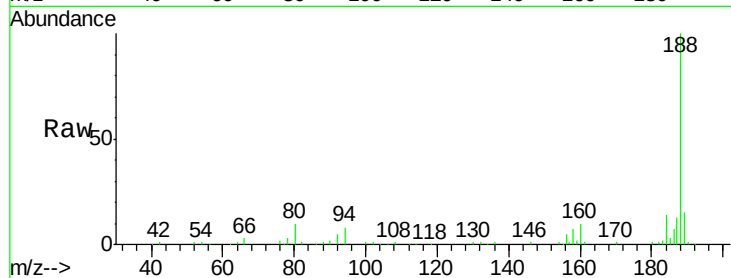




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.66 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF080481.D
Acq: 15 Jul 2015 9:07

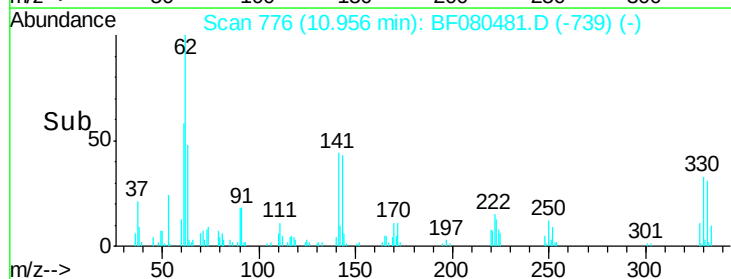
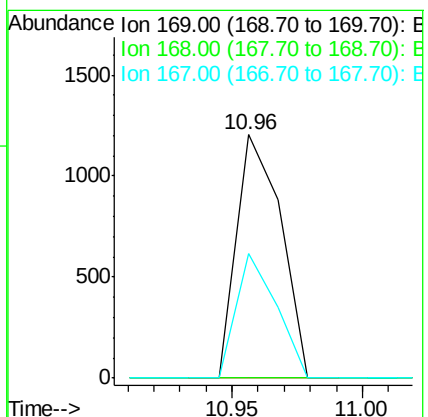
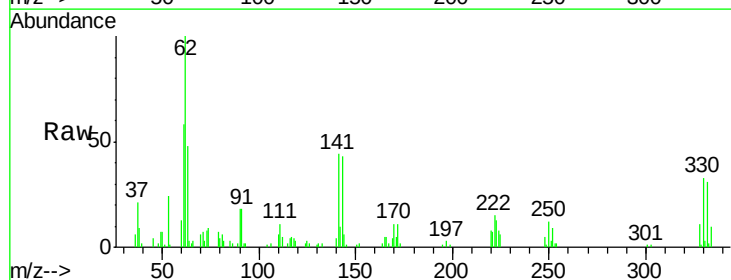
Instrument :
BNA_F
ClientSampleId :
PB84491BL

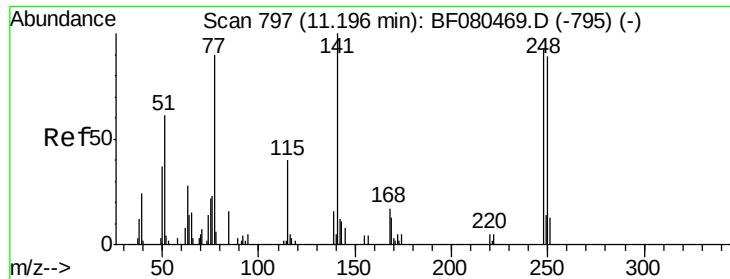
Tgt Ion:188 Resp: 109051
Ion Ratio Lower Upper
188 100
94 7.9 7.7 11.5
80 9.5 8.8 13.2



#65
n-Nitrosodiphenylamine
Concen: 0.40 ng
RT: 10.96 min Scan# 776
Delta R.T. 0.13 min
Lab File: BF080481.D
Acq: 15 Jul 2015 9:07

Tgt Ion:169 Resp: 1431
Ion Ratio Lower Upper
169 100
168 0.0 54.1 81.1#
167 51.4 29.0 43.6#

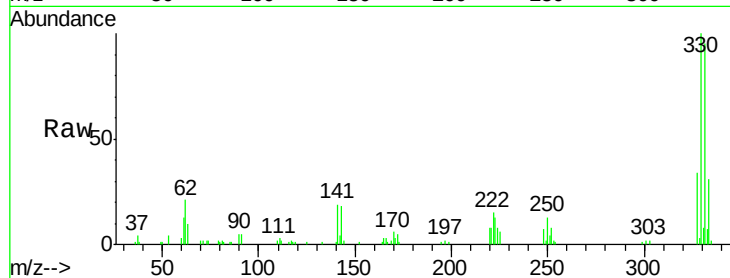




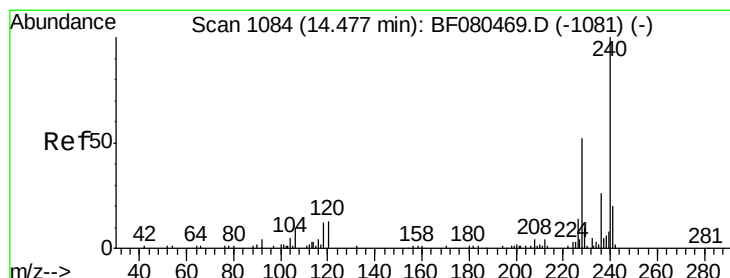
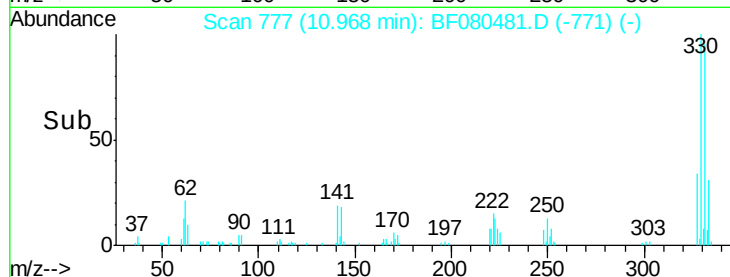
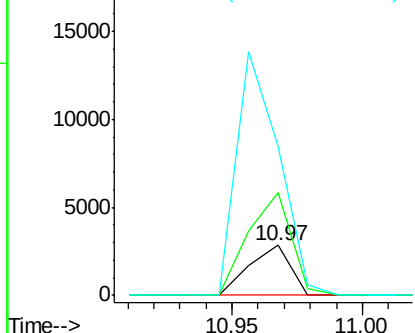
#66
 4-Bromophenyl-phenylether
 Concen: 2.84 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.23 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Instrument :
 BNA_F
 ClientSampleId :
 PB84491BL

Tgt Ion: 248 Resp: 3093
 Ion Ratio Lower Upper
 248 100
 250 204.5 76.8 115.2#
 141 296.2 86.3 129.5#

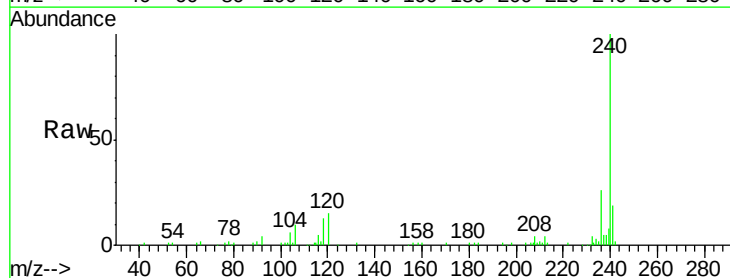


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

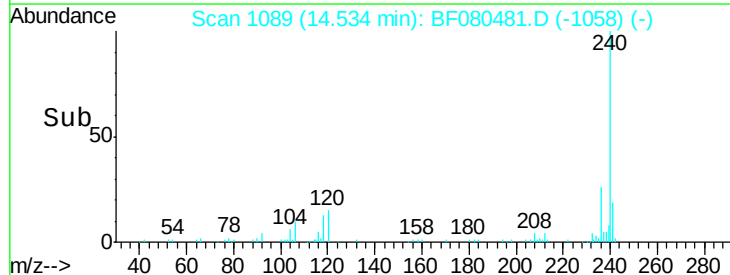
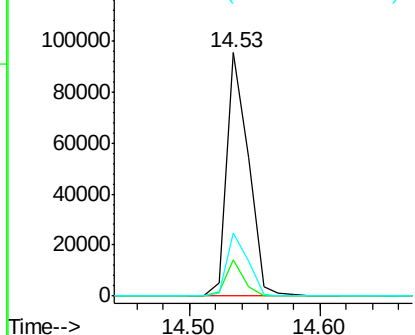


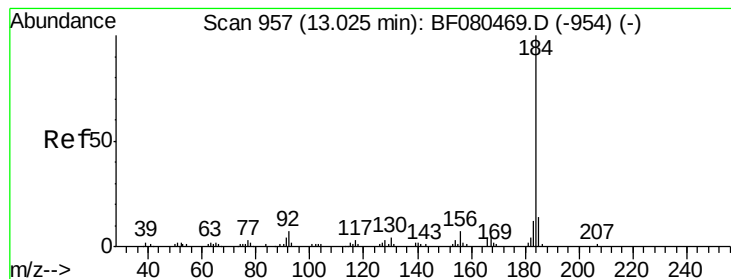
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.53 min Scan# 1089
 Delta R.T. 0.06 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Tgt Ion: 240 Resp: 109732
 Ion Ratio Lower Upper
 240 100
 120 15.1 10.2 15.4
 236 25.7 20.6 30.8



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: 1.14 ng

RT: 13.31 min Scan# 982

Delta R.T. 0.29 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

Instrument :

BNA_F

ClientSampleId :

PB84491BL

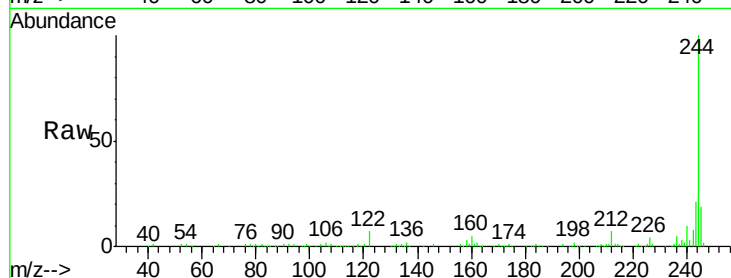
Tgt Ion:184 Resp: 3716

Ion Ratio Lower Upper

184 100

185 18.9 11.2 16.8#

183 15.4 9.3 13.9#

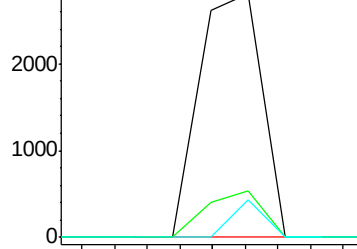


Abundance Ion 184.00 (183.70 to 184.70): E

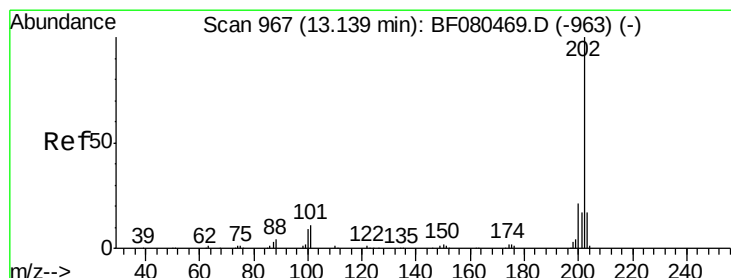
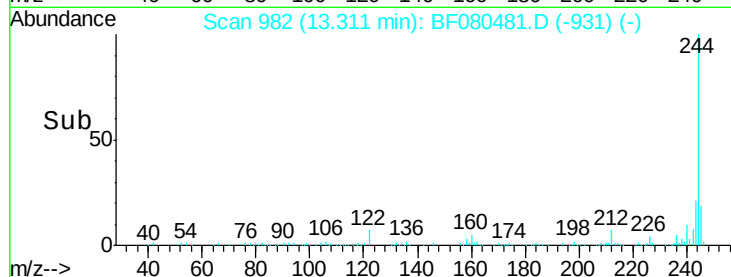
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

13.31



Time-->



#77

Pyrene

Concen: 0.13 ng

RT: 13.31 min Scan# 982

Delta R.T. 0.17 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

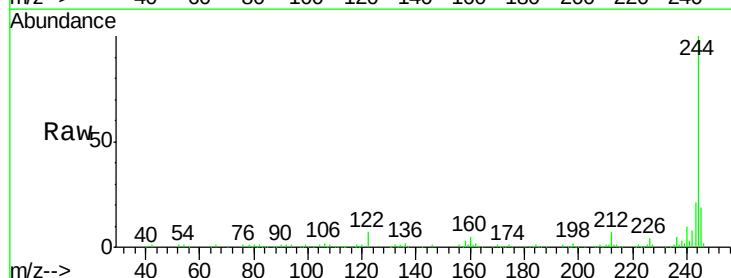
Tgt Ion:202 Resp: 826

Ion Ratio Lower Upper

202 100

200 57.7 16.6 24.8#

203 0.0 13.8 20.6#

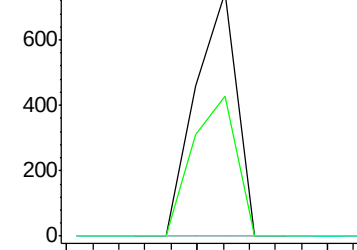


Abundance Ion 202.00 (201.70 to 202.70): E

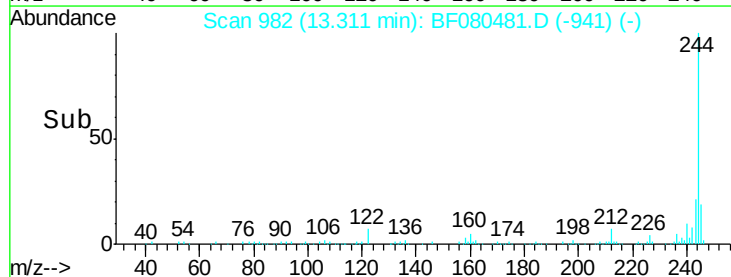
Ion 200.00 (199.70 to 200.70): E

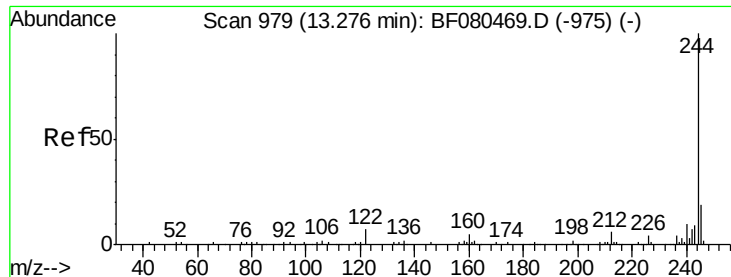
Ion 203.00 (202.70 to 203.70): E

13.31



Time-->

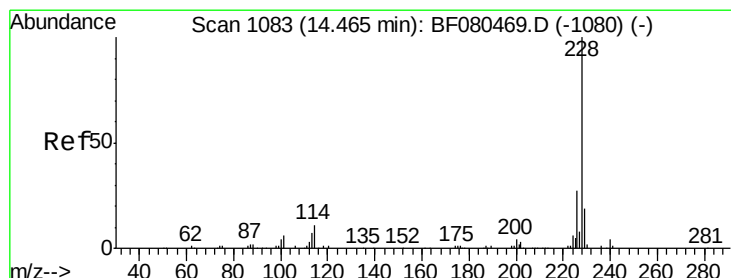
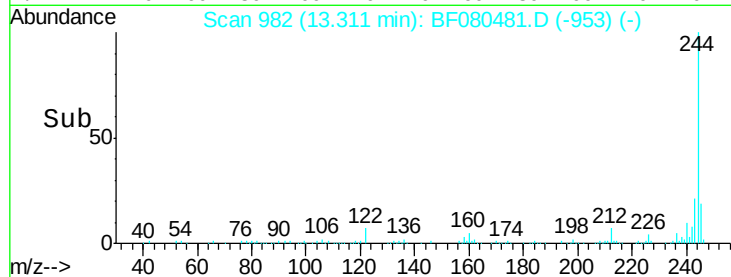
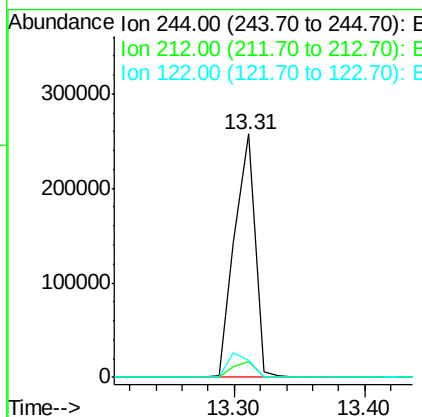
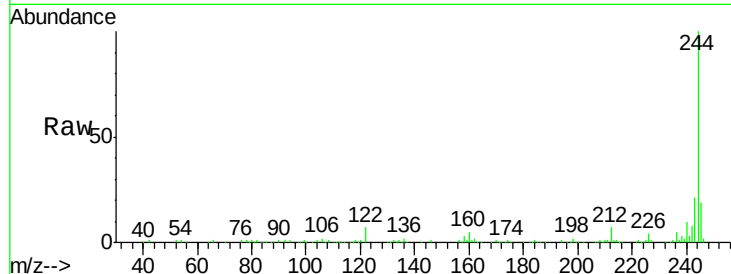




#78
 Terphenyl-d14
 Concen: 61.79 ng
 RT: 13.31 min Scan# 982
 Delta R.T. 0.03 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

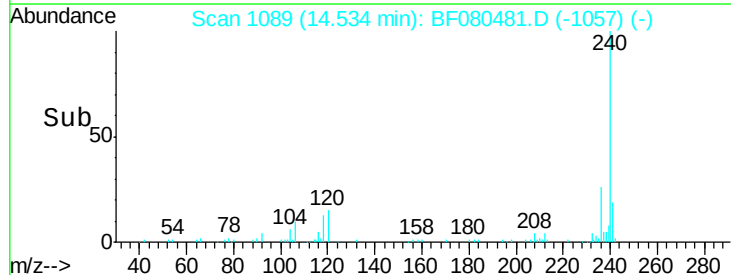
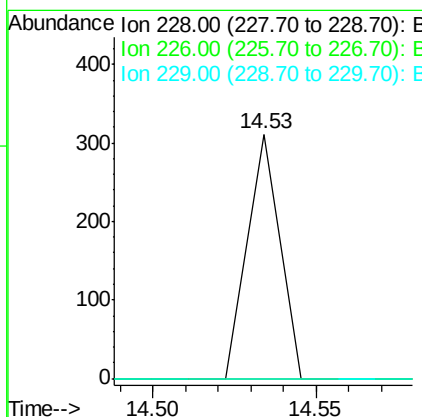
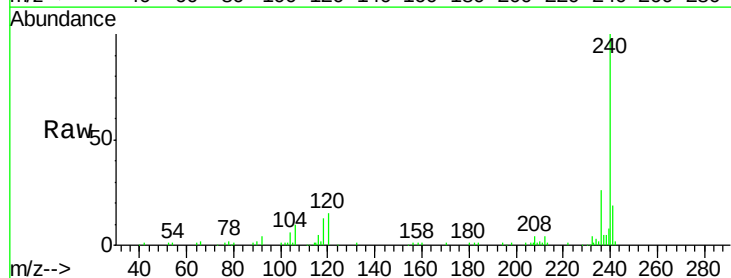
Instrument :
 BNA_F
 ClientSampleId :
 PB84491BL

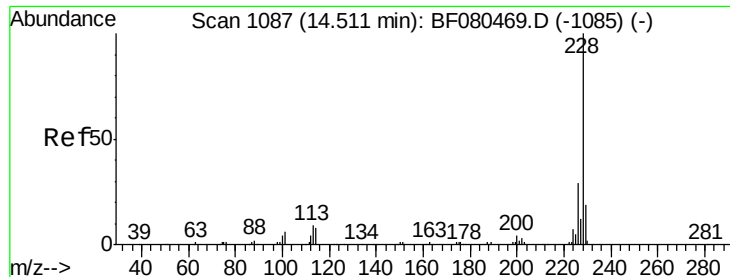
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	4.9	7.3
122	7.1	5.2	7.8



#80
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 14.53 min Scan# 1089
 Delta R.T. 0.07 min
 Lab File: BF080481.D
 Acq: 15 Jul 2015 9:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	21.8	32.8#
229	0.0	15.3	22.9#





#82

Chrysene

Concen: 0.03 ng

RT: 14.53 min Scan# 1089

Delta R.T. 0.02 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

Instrument :

BNA_F

ClientSampleId :

PB84491BL

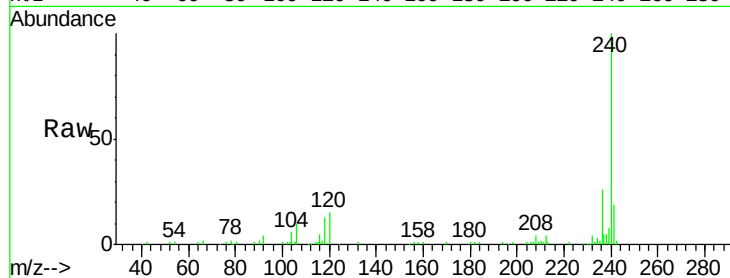
Tgt Ion:228 Resp: 213

Ion Ratio Lower Upper

228 100

226 0.0 23.1 34.7#

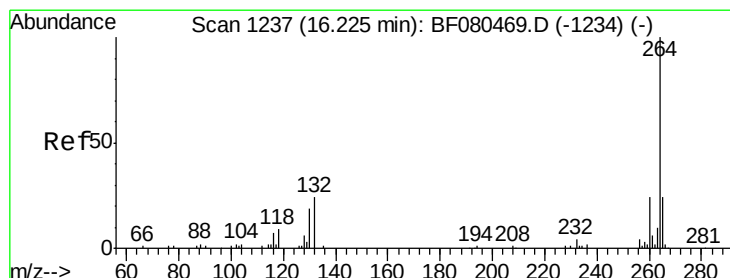
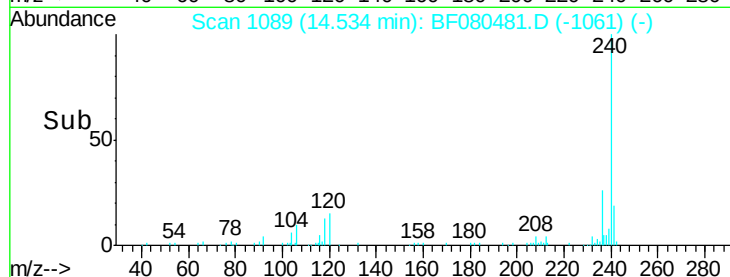
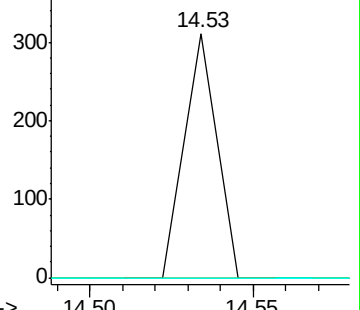
229 0.0 15.3 22.9#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.32 min Scan# 1245

Delta R.T. 0.09 min

Lab File: BF080481.D

Acq: 15 Jul 2015 9:07

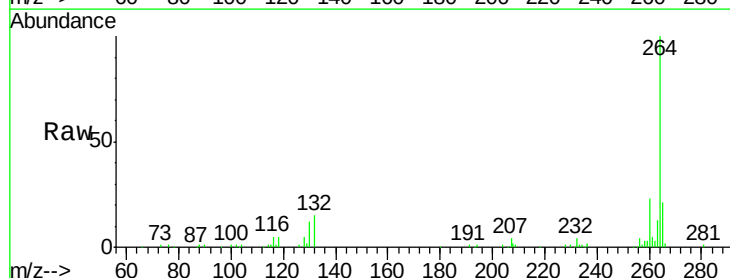
Tgt Ion:264 Resp: 114559

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

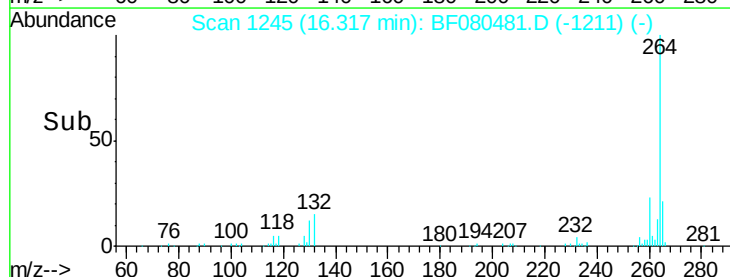
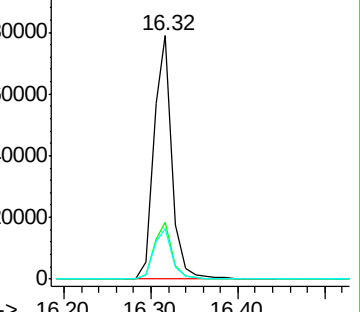
265 20.9 18.9 28.3

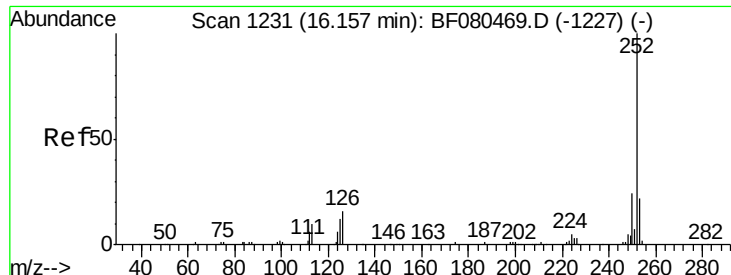


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.03 ng

RT: 16.31 min Scan# 1244

Delta R.T. 0.15 min

Lab File: BF080481.D

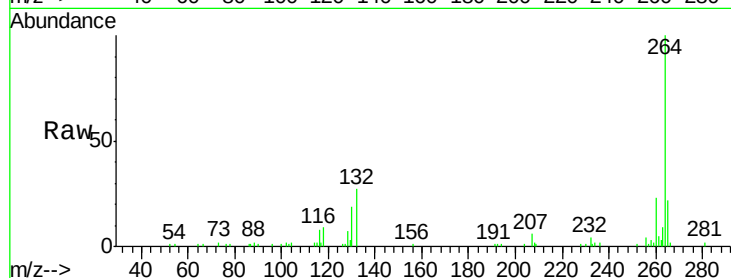
Acq: 15 Jul 2015 9:07

Instrument :

BNA_F

ClientSampleId :

PB84491BL



Tgt Ion:	252	Resp:	207
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.8	26.8#
125	0.0	9.9	14.9#

