

Data Path : Z:\HPCHEM1\BNA F\Data\BF012815\
 Data File : BF077104.D
 Acq On : 28 Jan 2015 16:21
 Operator : TP/IZ
 Sample : G1139-03DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 00:42:37 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 00:11:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	24758	20.00	ng	0.00
21) Naphthalene-d8	10.63	136	103092	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	52735	20.00	ng	0.01
63) Phenanthrene-d10	17.60	188	85852	20.00	ng	0.01
75) Chrysene-d12	21.10	240	83141	20.00	ng	0.00
86) Perylene-d12	22.79	264	78145	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.76	112	22401	14.88	ng	0.00
7) Phenol-d6	7.13	99	30295	15.95	ng	-0.01
23) Nitrobenzene-d5	9.02	82	21149	11.37	ng	0.00
41) 2,4,6-Tribromophenol	16.48	330	5449	12.73	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	36436	10.51	ng	0.00
78) Terphenyl-d14	19.84	244	35584	9.85	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.87	117	2805	3.85	ng	# 1
19) n-Nitroso-di-n-propylamine	8.80	70	3336	2.51	ng	# 33
22) Acetophenone	8.68	105	29467	11.67	ng	# 57
24) Nitrobenzene	9.02	77	7191	3.79	ng	# 24
31) Naphthalene	10.68	128	66610	12.55	ng	99
35) Caprolactam	11.85	113	2323	5.78	ng	# 1
37) 2-Methylnaphthalene	12.33	142	175834	48.51	ng	95
45) 1,1'-Biphenyl	13.49	154	20734	5.30	ng	96
47) 2-Nitroaniline	13.85	65	3748	3.84	ng	# 50
50) 2,6-Dinitrotoluene	14.45	165	2400	3.21	ng	# 1
51) Acenaphthene	14.83	154	8996	2.92	ng	# 93
52) 3-Nitroaniline	14.86	138	1043	2.85	ng	# 54
55) 4-Nitrophenol	15.42	139	8053	13.74	ng	# 44
56) 2,4-Dinitrotoluene	15.42	165	3737	5.30	ng	# 48
57) Fluorene	16.01	166	22846	6.01	ng	# 86
65) n-Nitrosodiphenylamine	16.39	169	16075	5.25	ng	# 35
68) Atrazine	17.37	200	2805	3.02	ng	# 51
70) Phenanthrene	17.64	178	64199	11.99	ng	# 96
77) Pvrene	19.57	202	15854	2.78	ng	# 77

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

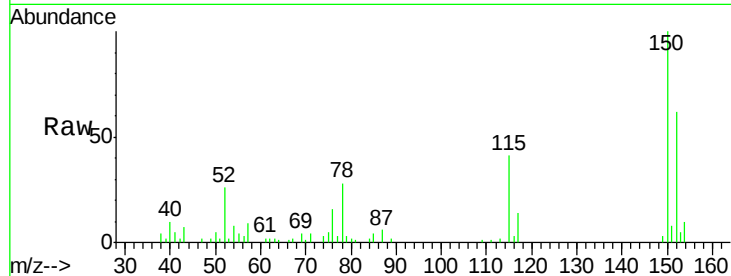


#1

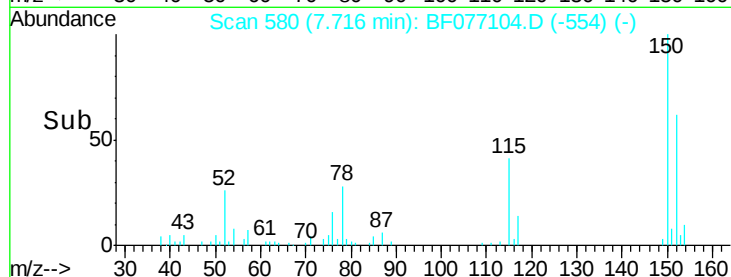
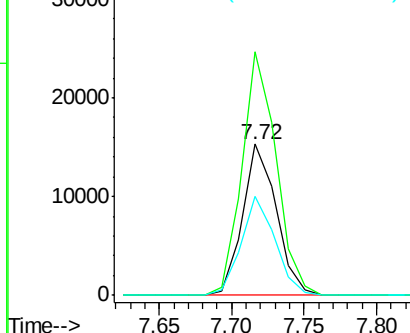
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 24758
Ion Ratio Lower Upper
152 100
150 161.4 121.7 182.5
115 65.8 47.0 70.6



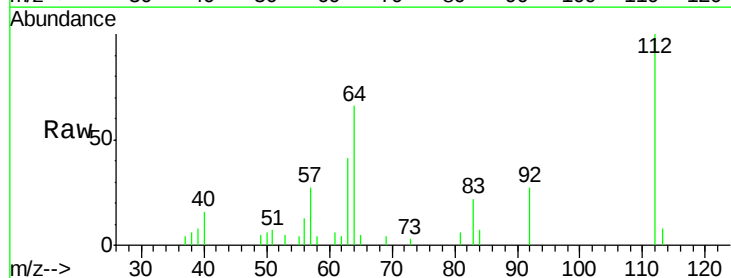
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



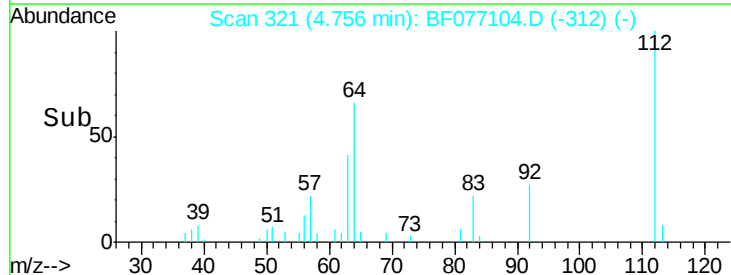
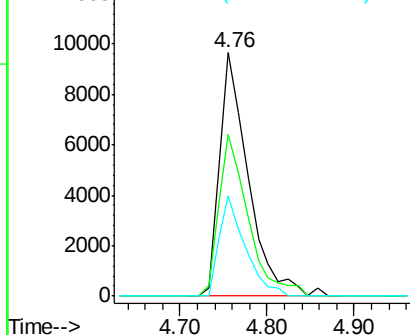
#5

2-Fluorophenol
Concen: 14.88 ng
RT: 4.76 min Scan# 321
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Tgt Ion:112 Resp: 22401
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 41.0 28.4 42.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 15.95 ng

RT: 7.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

Instrument :

BNA_F

ClientSampleId :

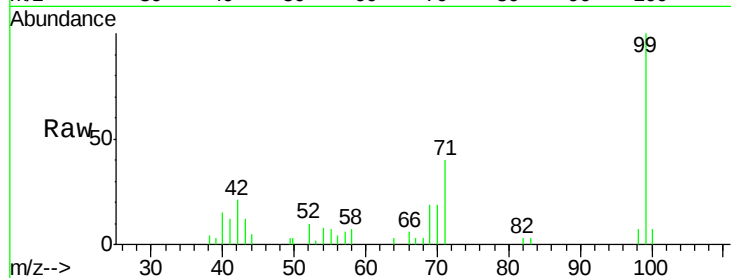
Tot Ion: 99 Resp: 30295

Ion Ratio Lower Upper

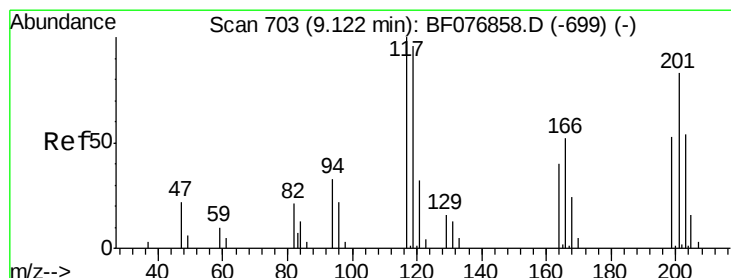
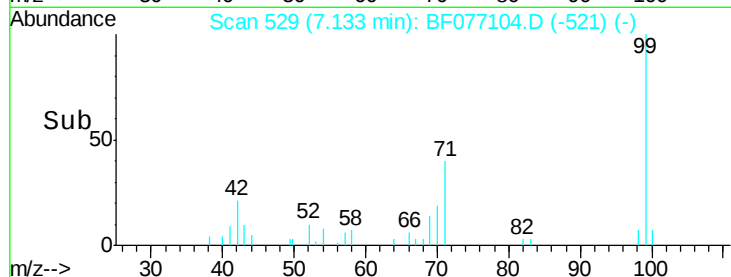
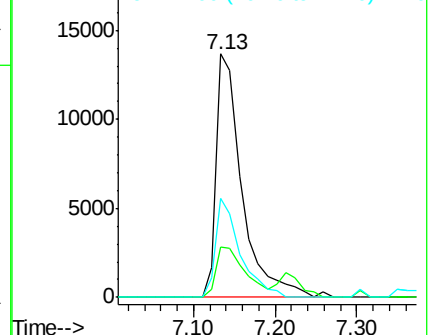
99 100

42 20.9 15.0 22.4

71 40.5 30.5 45.7



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



#18

Hexachloroethane

Concen: 3.85 ng

RT: 8.87 min Scan# 681

Delta R.T. 0.05 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

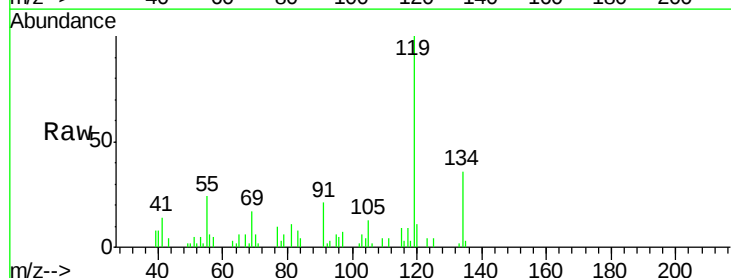
Tgt Ion: 117 Resp: 2805

Ion Ratio Lower Upper

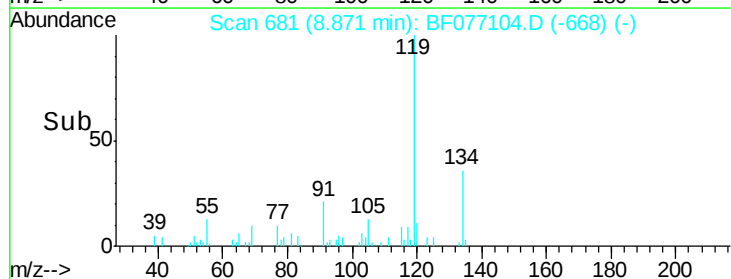
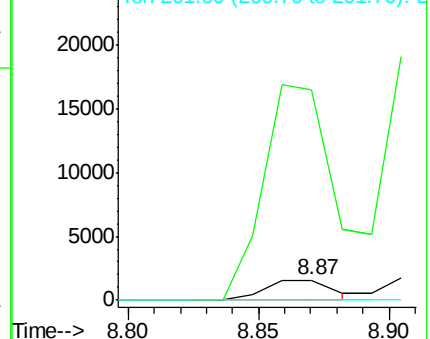
117 100

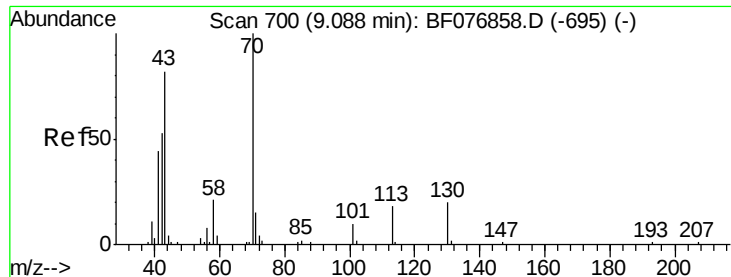
119 1058.9 77.1 115.7#

201 0.0 66.8 100.2#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

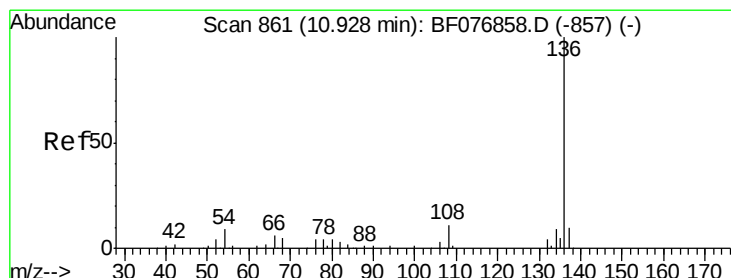
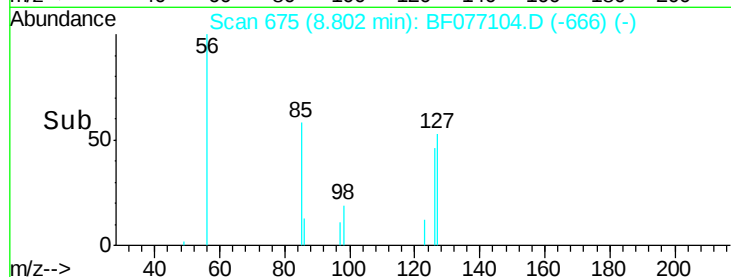
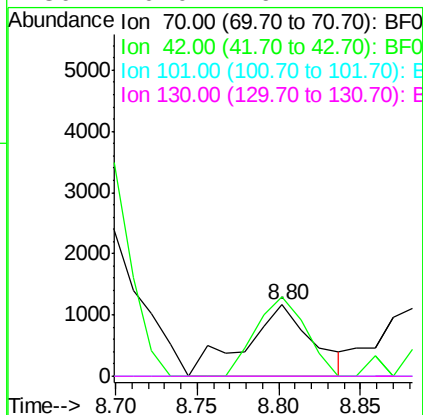
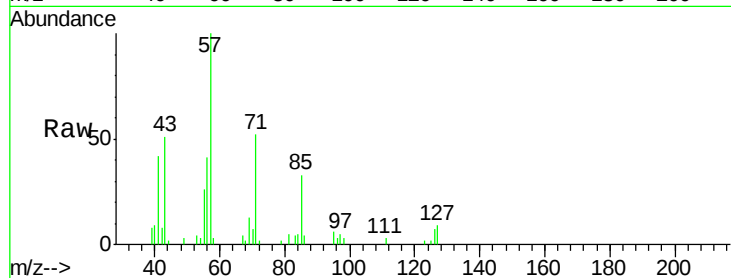




#19
n-Nitroso-di-n-propylamine
Concen: 2.51 ng
RT: 8.80 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

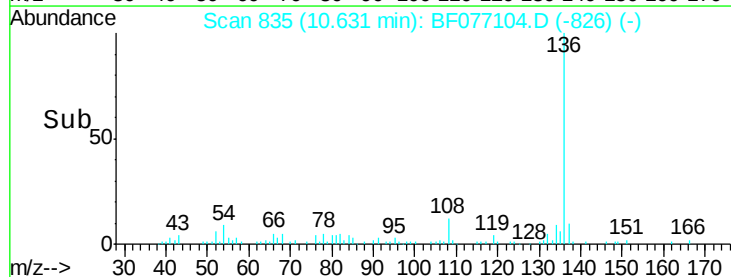
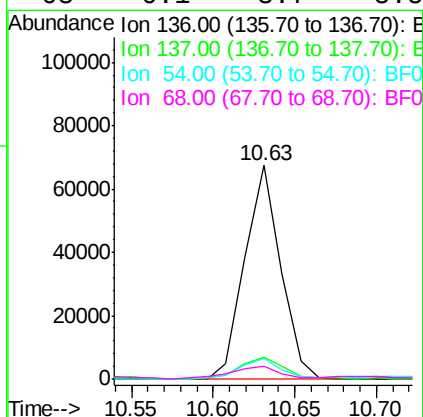
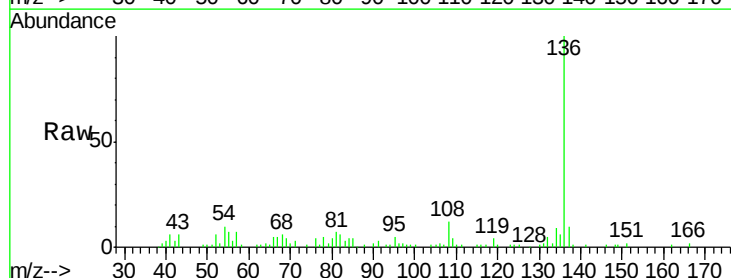
Instrument :
BNA_F
ClientSampleId :

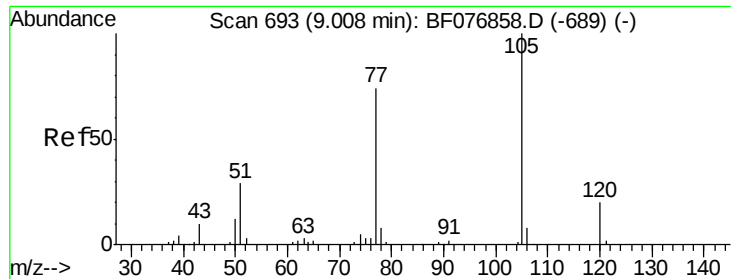
Tot Ion: 70 Resp: 3336
Ion Ratio Lower Upper
70 100
42 111.6 42.1 63.1#
101 0.0 7.8 11.8#
130 0.0 16.2 24.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.63 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Tgt Ion: 136 Resp: 103092
Ion Ratio Lower Upper
136 100
137 10.2 8.1 12.1
54 9.8 7.0 10.4
68 6.1 3.7 5.5#

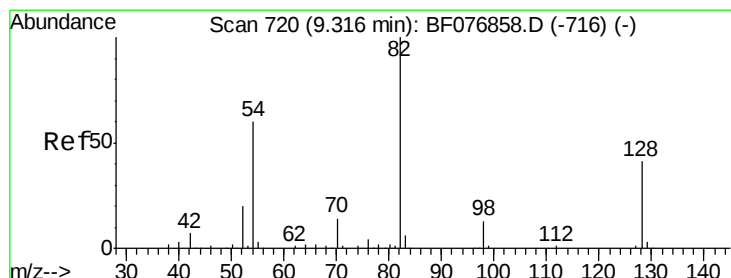
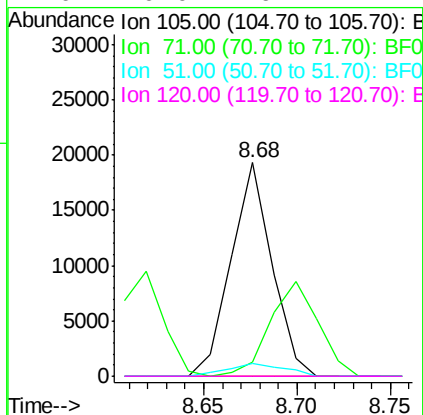
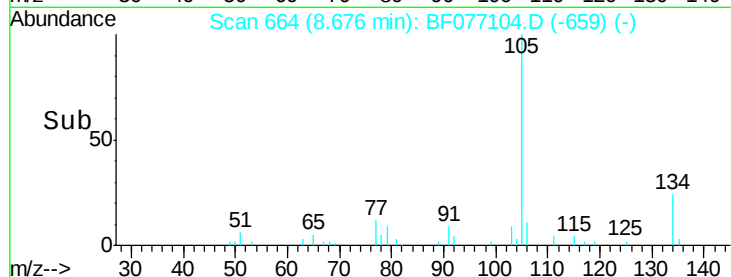
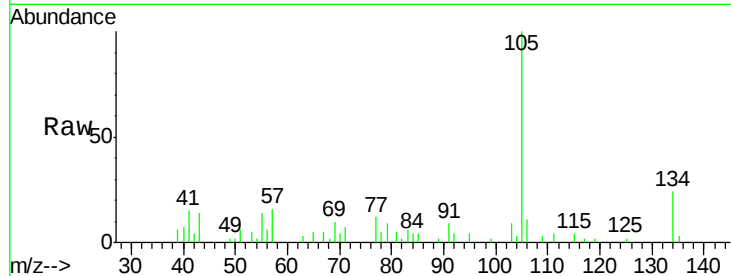




#22
Acetophenone
Concen: 11.67 ng
RT: 8.68 min Scan# 664
Delta R.T. -0.05 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

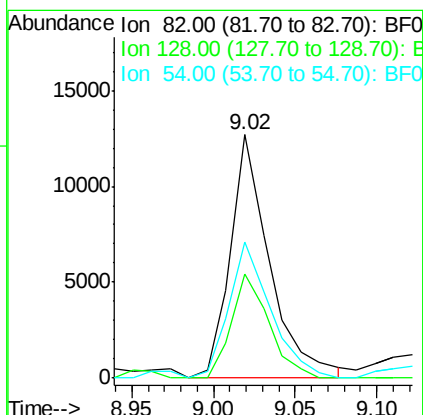
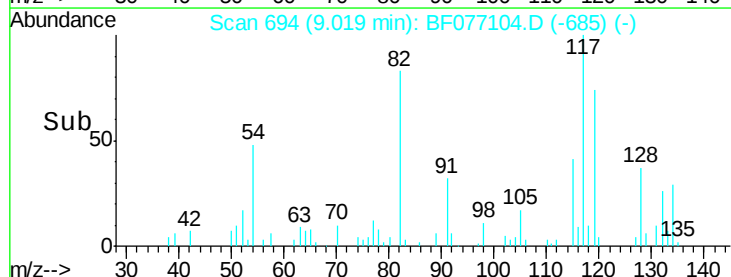
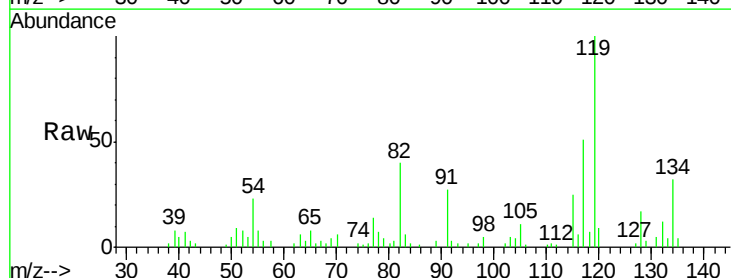
Instrument :
BNA_F
ClientSampled :

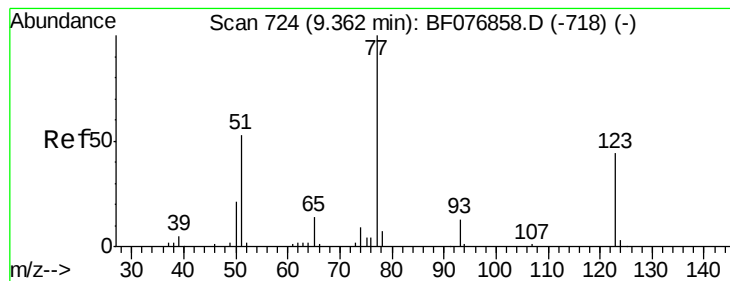
Tot Ion:	105	Resp:	29467
Ion	Ratio	Lower	Upper
105	100		
71	6.8	0.0	0.0#
51	5.9	23.3	34.9#
120	0.0	16.1	24.1#



#23
Nitrobenzene-d5
Concen: 11.37 ng
RT: 9.02 min Scan# 694
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Tgt Ion:	82	Resp:	21149
Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.1	49.7
54	55.9	48.3	72.5





#24

Nitrobenzene

Concen: 3.79 ng

RT: 9.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

Instrument :

BNA_F

ClientSampled :

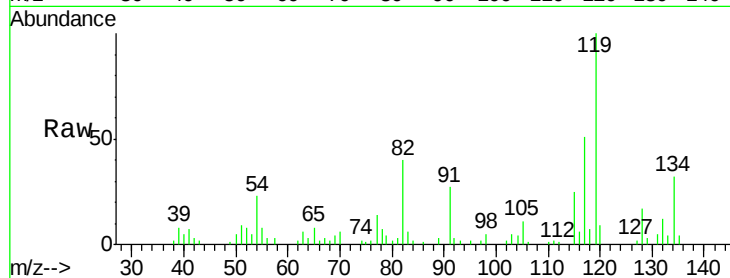
Tot Ion: 77 Resp: 7191

Ion Ratio Lower Upper

77 100

123 0.0 35.2 52.8#

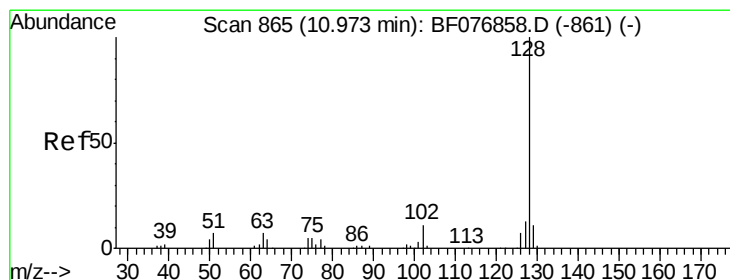
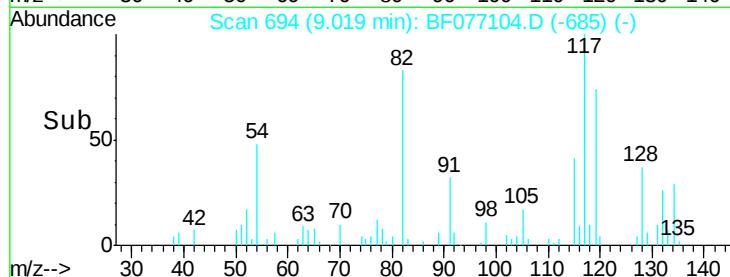
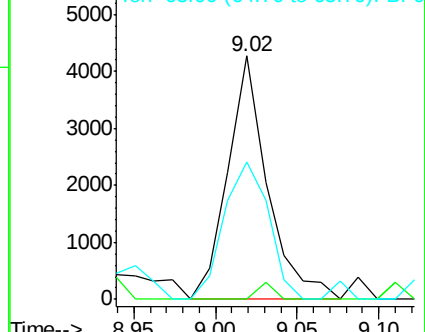
65 56.3 11.4 17.2#



Abundance Ion 77.00 (76.70 to 77.70): BF076858.D (-718) (-)

Ion 123.00 (122.70 to 123.70): BF076858.D (-718) (-)

Ion 65.00 (64.70 to 65.70): BF076858.D (-718) (-)



#31

Naphthalene

Concen: 12.55 ng

RT: 10.68 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

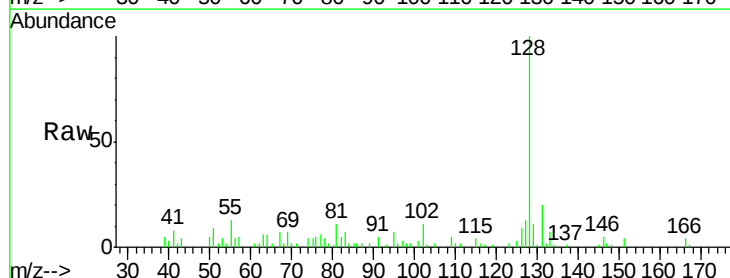
Tgt Ion: 128 Resp: 66610

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

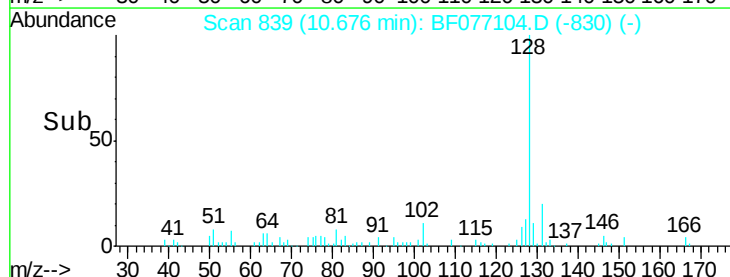
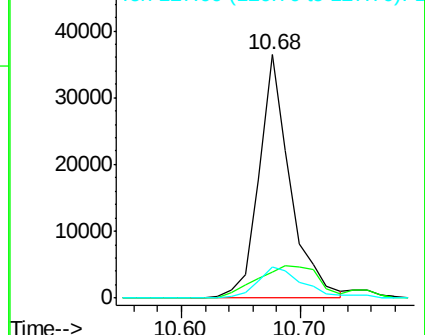
127 13.0 10.2 15.2

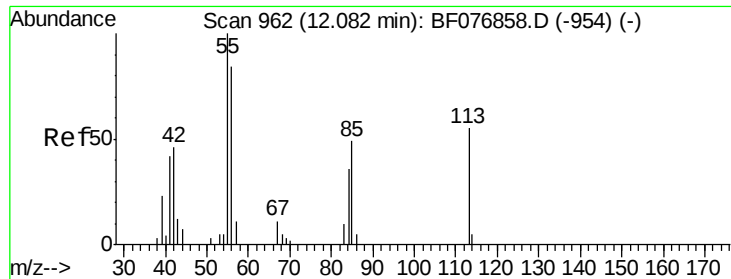


Abundance Ion 128.00 (127.70 to 128.70): BF076858.D (-861) (-)

Ion 129.00 (128.70 to 129.70): BF076858.D (-861) (-)

Ion 127.00 (126.70 to 127.70): BF076858.D (-861) (-)

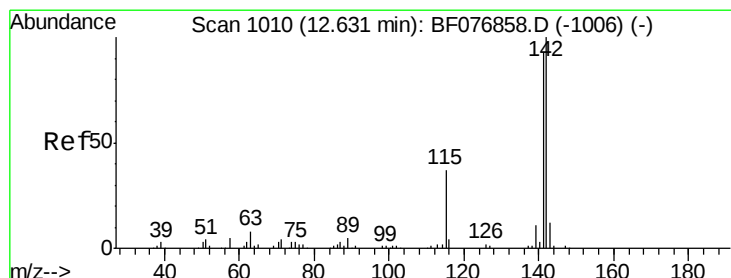
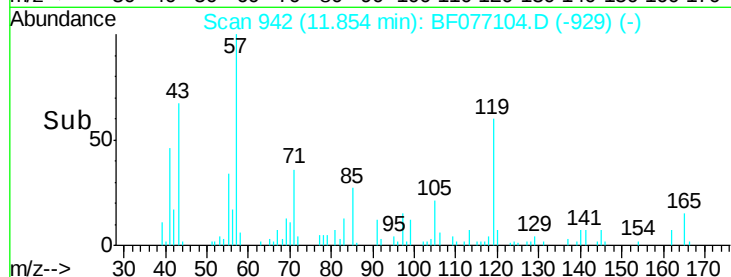
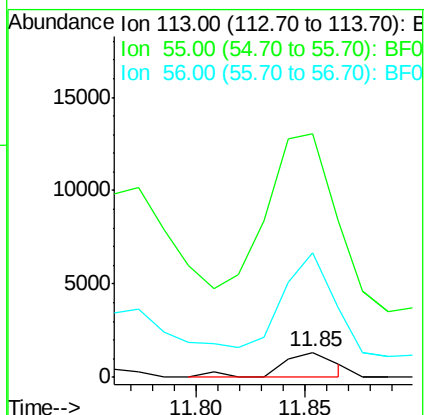
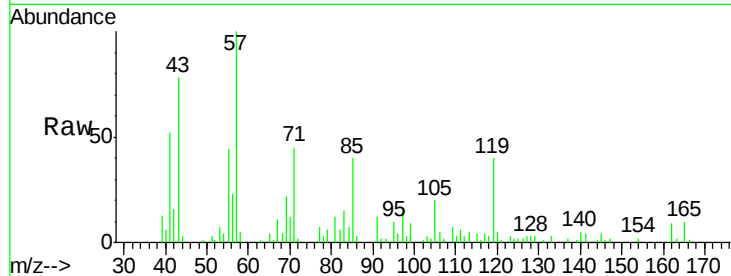




#35
 Caprolactam
 Concen: 5.78 ng
 RT: 11.85 min Scan# 942
 Delta R.T. 0.05 min
 Lab File: BF077104.D
 Acq: 28 Jan 2015 16:21

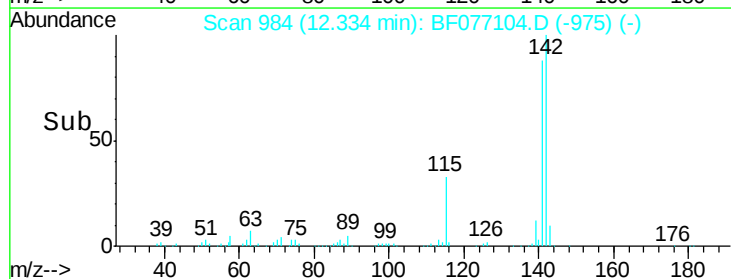
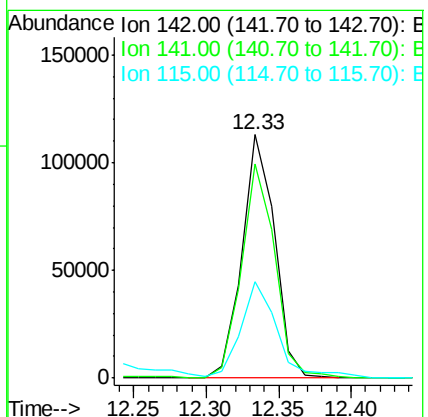
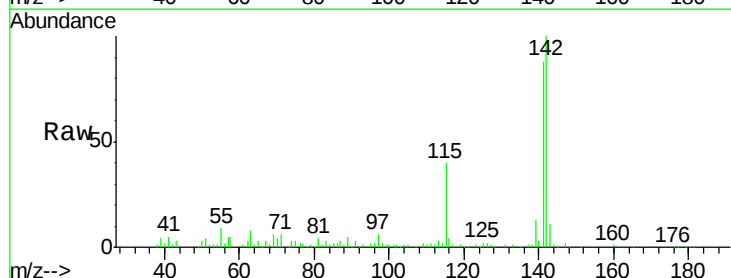
Instrument :
 BNA_F
 ClientSampleId :

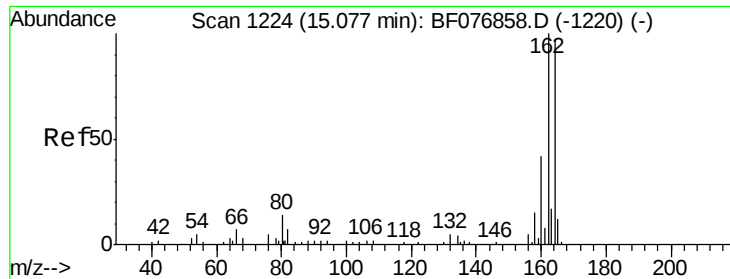
Tot Ion:113 Resp: 2323
 Ion Ratio Lower Upper
 113 100
 55 976.9 162.1 202.1#
 56 498.9 133.7 173.7#



#37
 2-Methylnaphthalene
 Concen: 48.51 ng
 RT: 12.33 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: BF077104.D
 Acq: 28 Jan 2015 16:21

Tgt Ion:142 Resp: 175834
 Ion Ratio Lower Upper
 142 100
 141 88.1 74.5 111.7
 115 39.8 29.7 44.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

Instrument :

BNA_F

ClientSampleId :

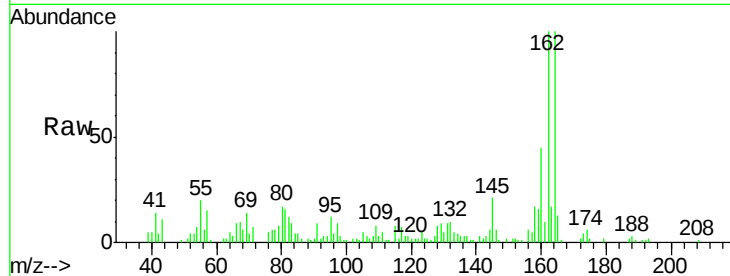
Tot Ion:164 Resp: 52735

Ion Ratio Lower Upper

164 100

162 100.3 82.4 123.6

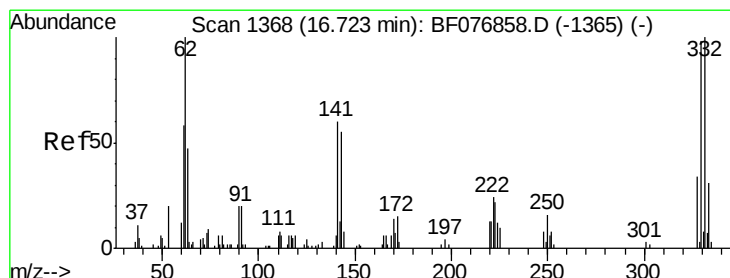
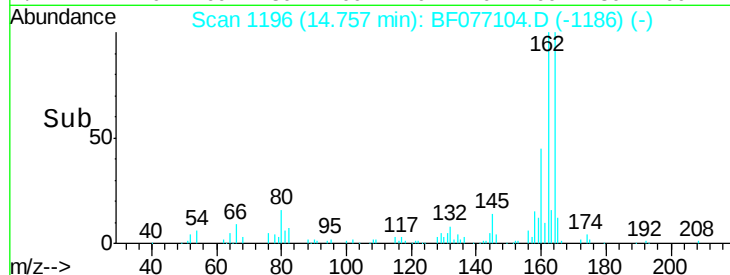
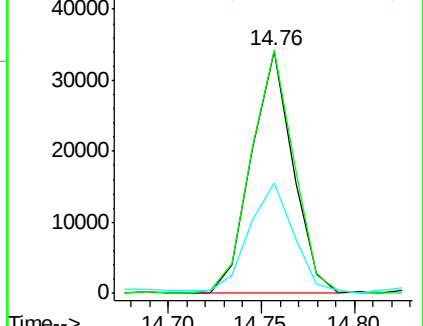
160 45.5 34.8 52.2



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: 12.73 ng

RT: 16.48 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

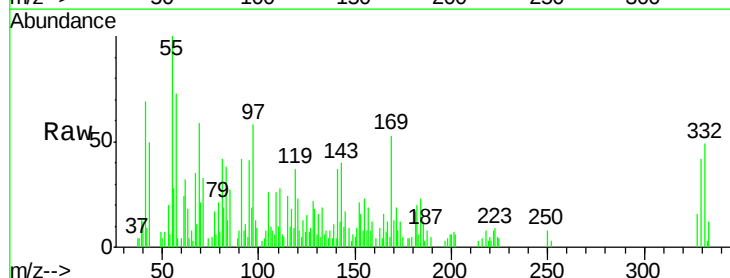
Tgt Ion:330 Resp: 5449

Ion Ratio Lower Upper

330 100

332 105.0 77.8 116.6

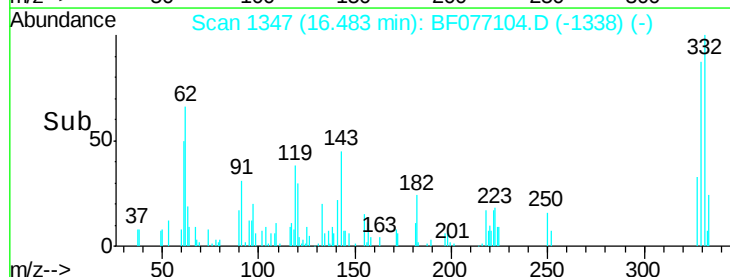
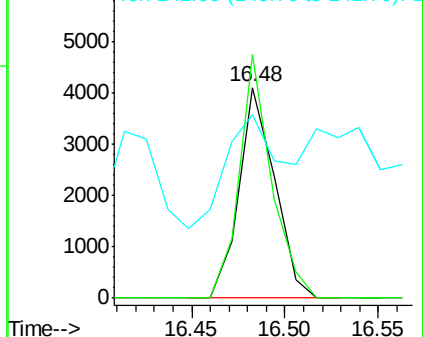
141 87.1 38.5 57.7#

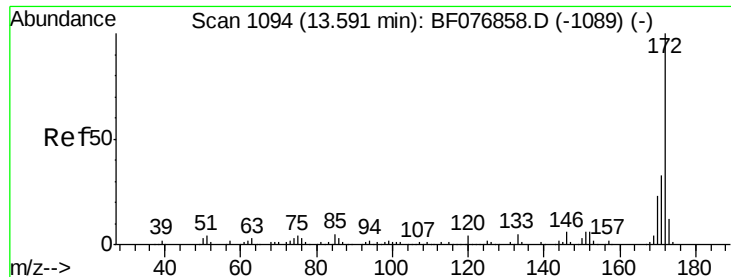


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

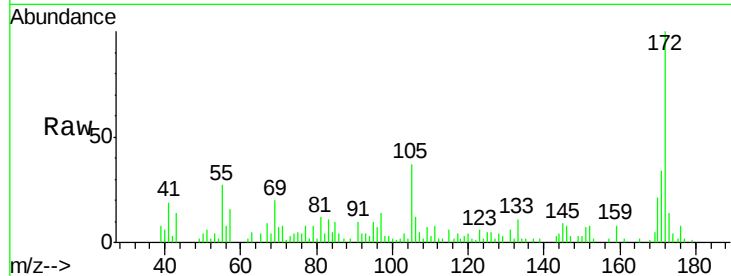




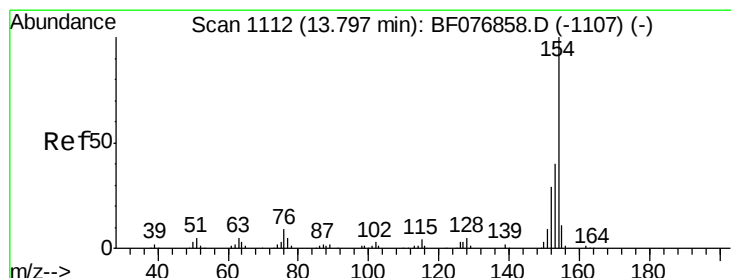
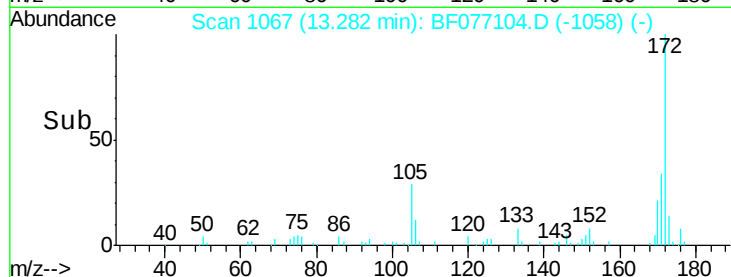
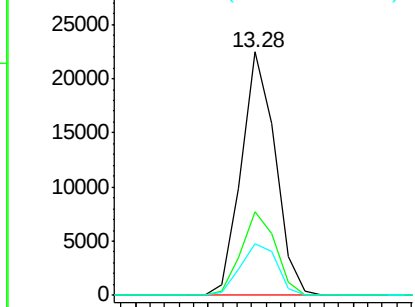
#44
2-Fluorobiphenyl
Concen: 10.51 ng
RT: 13.28 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 36436
Ion Ratio Lower Upper
172 100
171 34.2 26.6 40.0
170 21.1 18.0 27.0

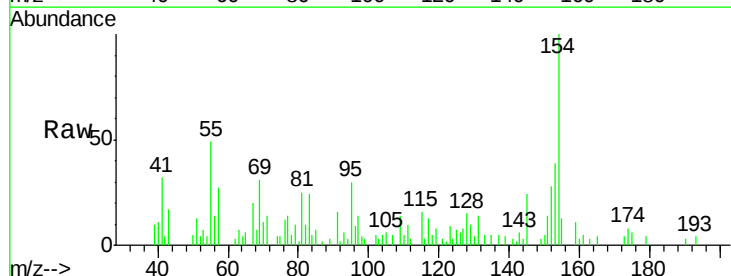


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

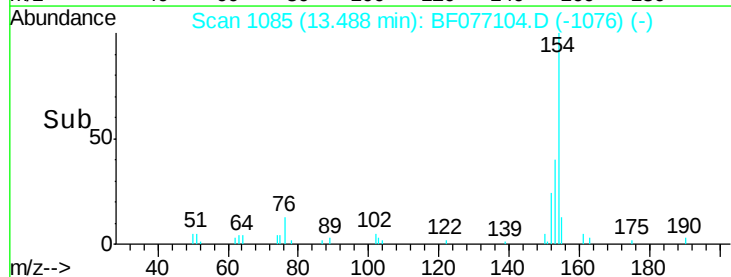
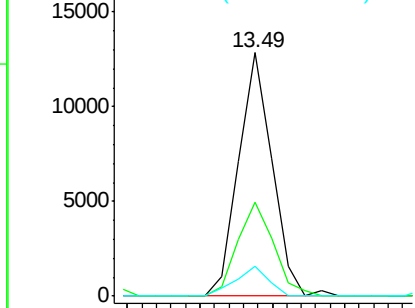


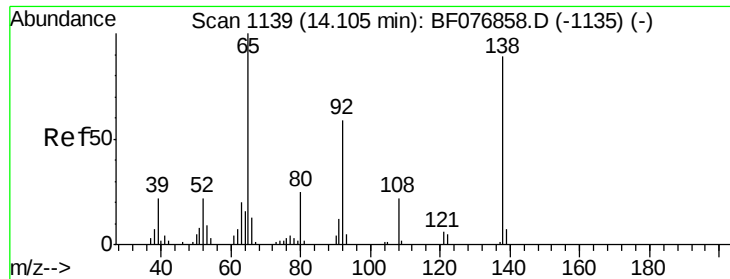
#45
1,1'-Biphenyl
Concen: 5.30 ng
RT: 13.49 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Tgt Ion:154 Resp: 20734
Ion Ratio Lower Upper
154 100
153 38.6 20.2 60.2
76 12.2 0.0 29.0



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

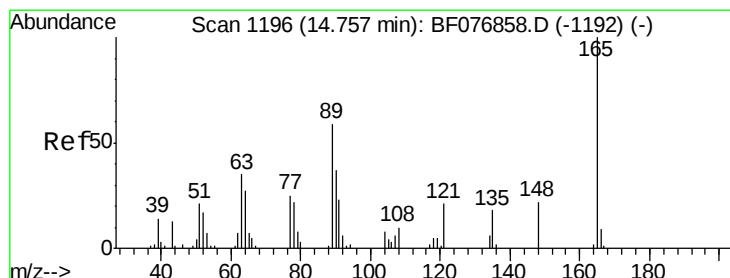
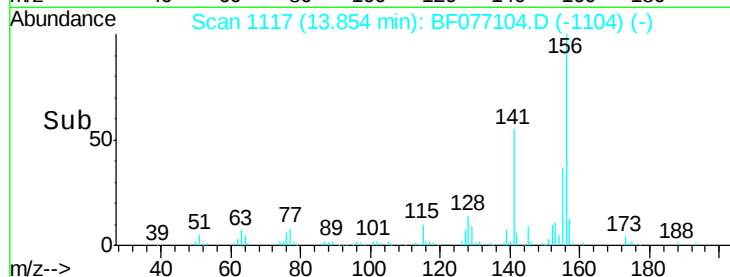
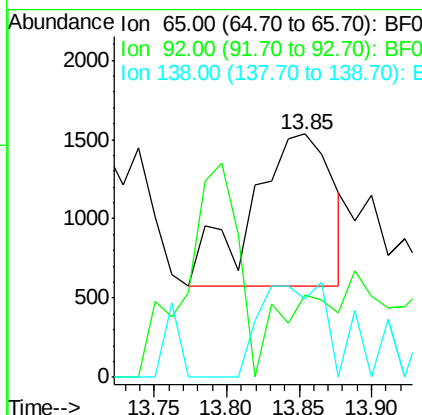
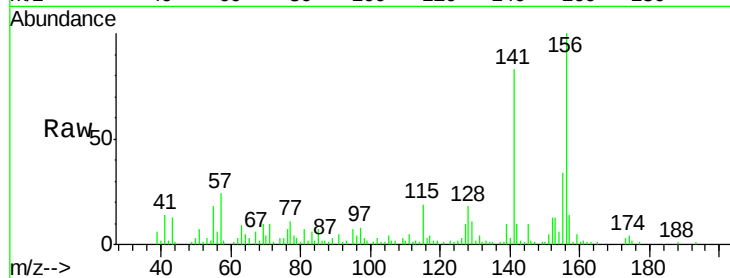




#47
2-Nitroaniline
Concen: 3.84 ng
RT: 13.85 min Scan# 1117
Delta R.T. 0.05 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

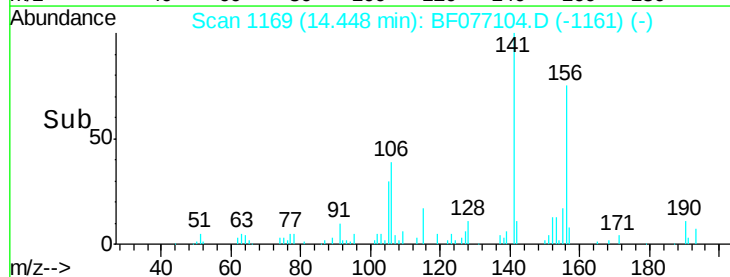
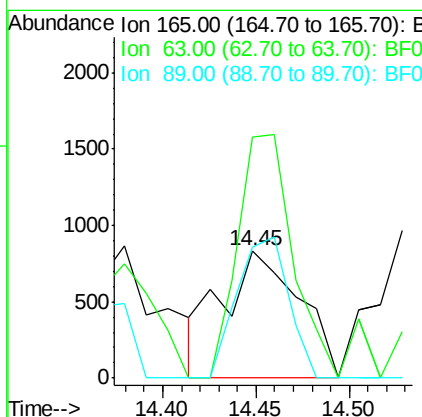
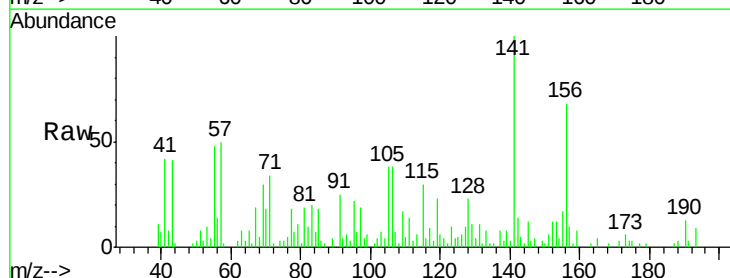
Instrument :
BNA_F
ClientSampled :

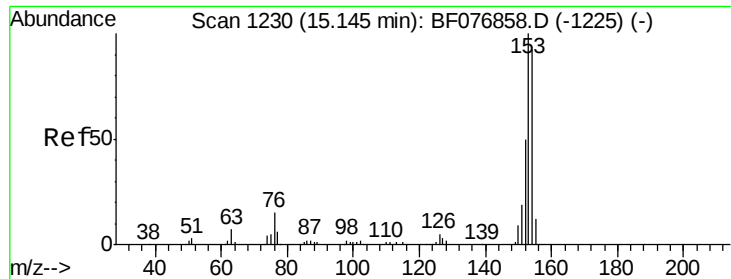
Tot Ion: 65 Resp: 3748
Ion Ratio Lower Upper
65 100
92 33.7 47.3 70.9#
138 32.1 71.4 107.2#



#50
2,6-Dinitrotoluene
Concen: 3.21 ng
RT: 14.45 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Tgt Ion: 165 Resp: 2400
Ion Ratio Lower Upper
165 100
63 188.6 48.1 72.1#
89 102.3 47.2 70.8#





#51

Acenaphthene

Concen: 2.92 ng

RT: 14.83 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

Instrument :

BNA_F

ClientSampleId :

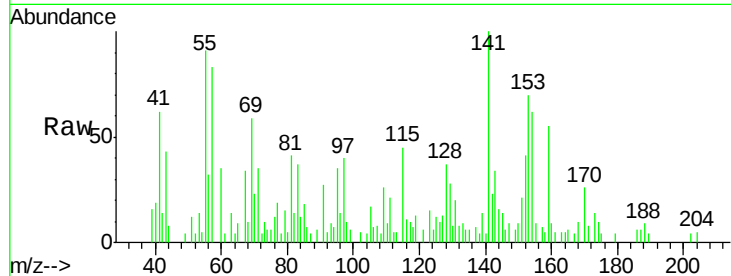
Tot Ion:154 Resp: 8996

Ion Ratio Lower Upper

154 100

153 112.2 87.0 130.6

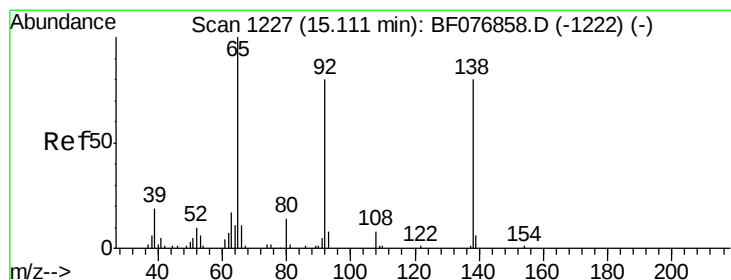
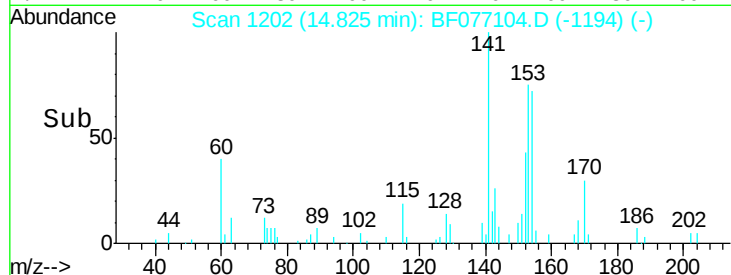
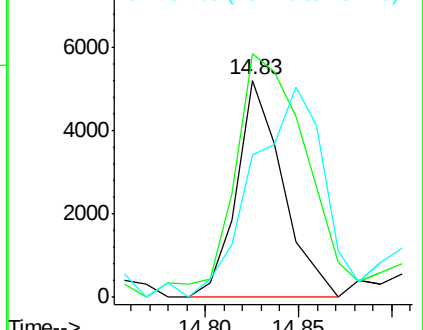
152 65.8 43.5 65.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 2.85 ng

RT: 14.86 min Scan# 1205

Delta R.T. 0.06 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

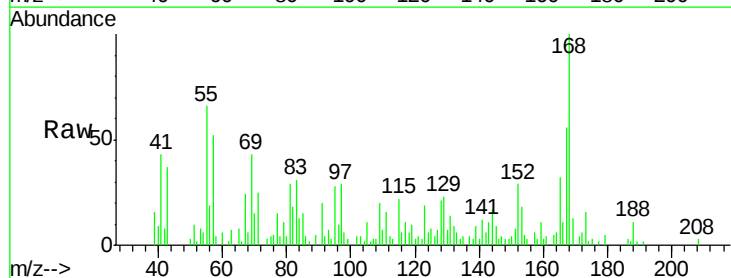
Tgt Ion:138 Resp: 1043

Ion Ratio Lower Upper

138 100

108 113.7 8.3 12.5#

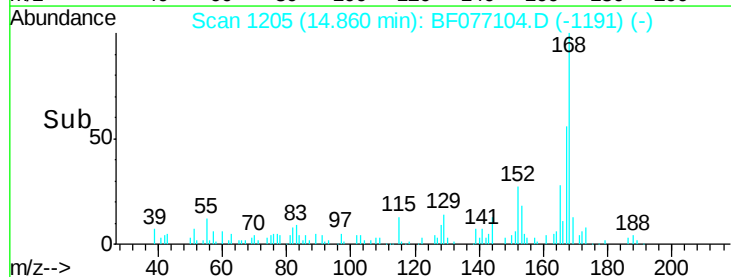
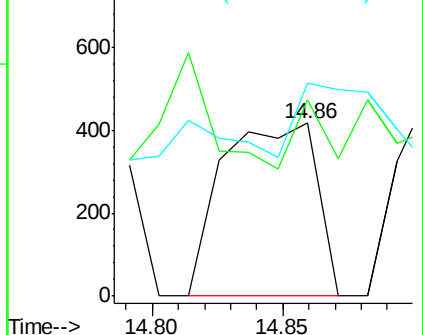
92 123.5 80.9 121.3#

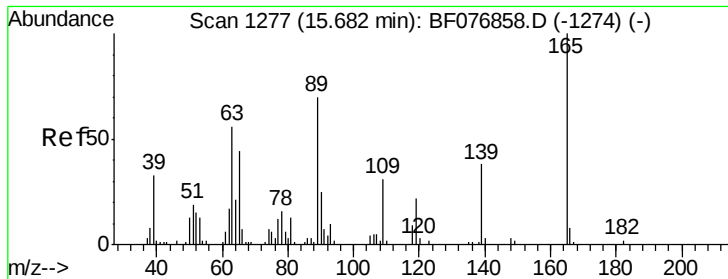


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

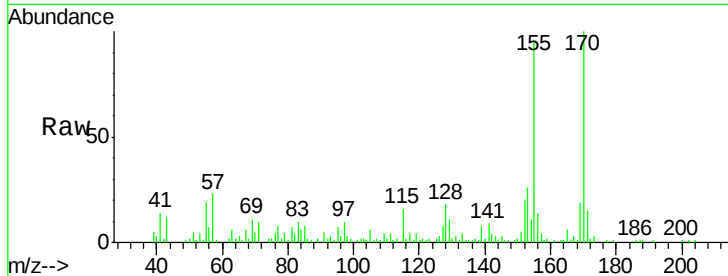




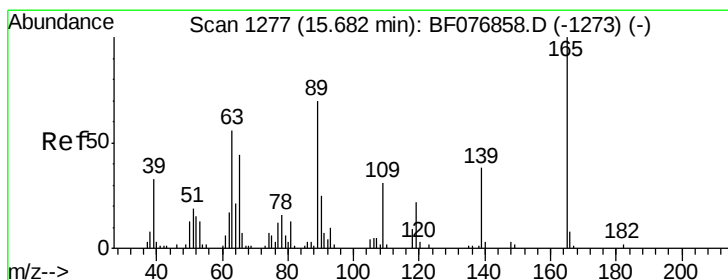
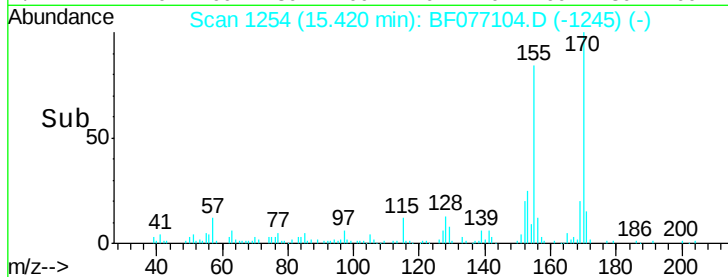
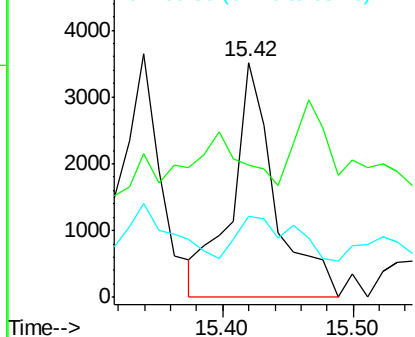
#55
4-Nitrophenol
Concen: 13.74 ng
RT: 15.42 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 8053
Ion Ratio Lower Upper
139 100
109 56.6 61.0 101.0#
65 34.3 96.6 136.6#

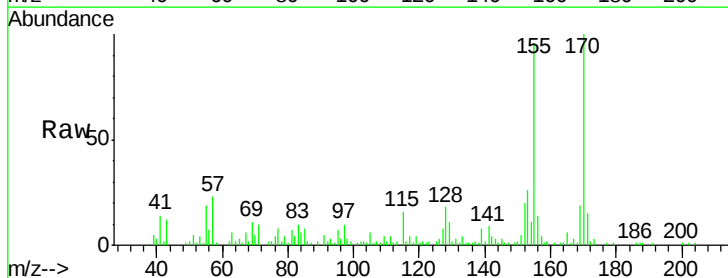


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

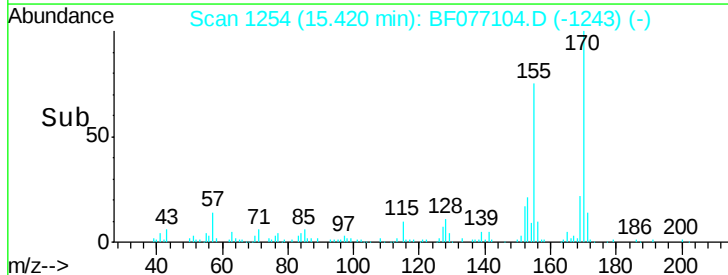
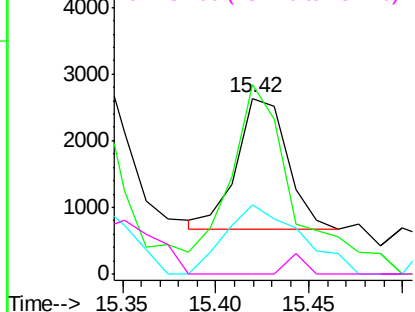


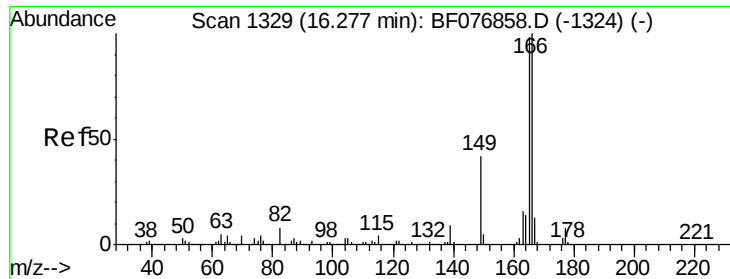
#56
2,4-Dinitrotoluene
Concen: 5.30 ng
RT: 15.42 min Scan# 1254
Delta R.T. 0.02 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Tgt Ion:165 Resp: 3737
Ion Ratio Lower Upper
165 100
63 107.7 44.8 67.2#
89 39.2 56.2 84.2#
182 0.0 1.5 2.3#



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

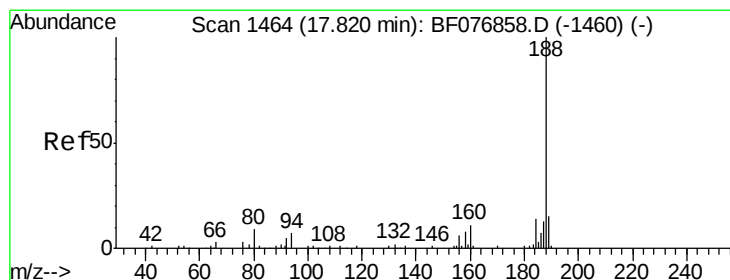
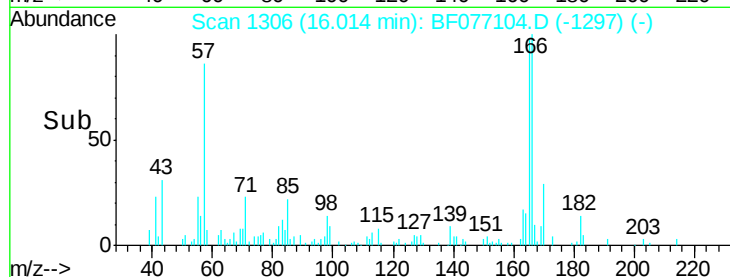
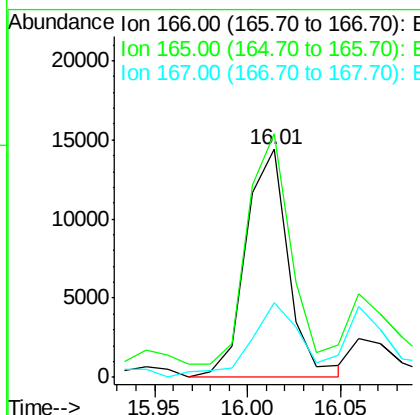
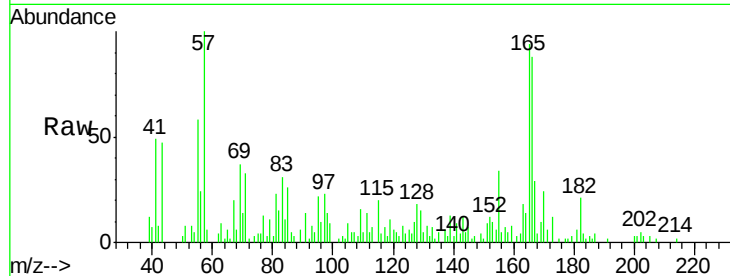




#57
Fluorene
Concen: 6.01 ng
RT: 16.01 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

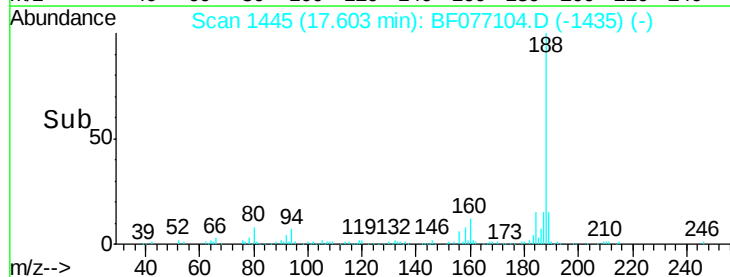
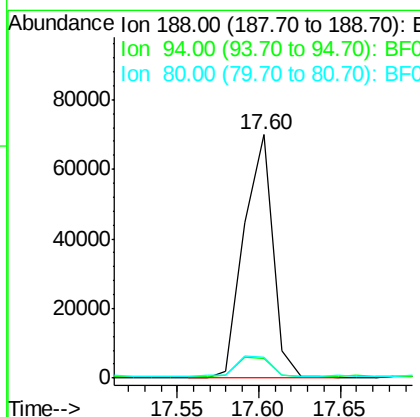
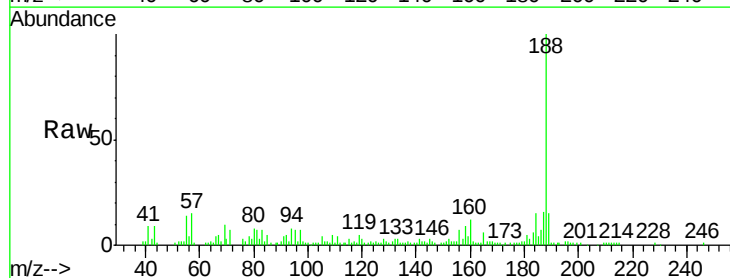
Instrument :
BNA_F
ClientSampleId :

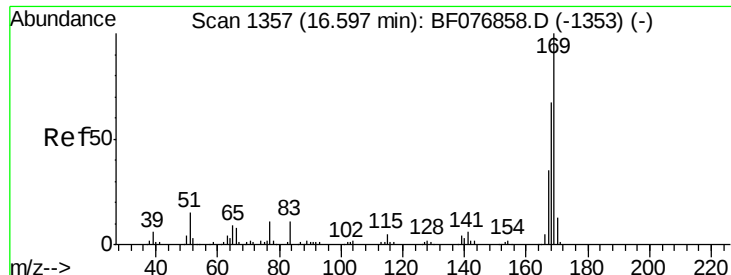
Tot Ion:166 Resp: 22846
Ion Ratio Lower Upper
166 100
165 106.8 78.5 117.7
167 32.8 10.4 15.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.60 min Scan# 1445
Delta R.T. 0.01 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Tgt Ion:188 Resp: 85852
Ion Ratio Lower Upper
188 100
94 8.0 6.0 9.0
80 8.3 6.9 10.3

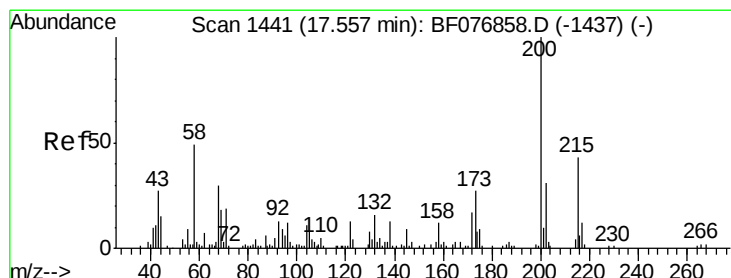
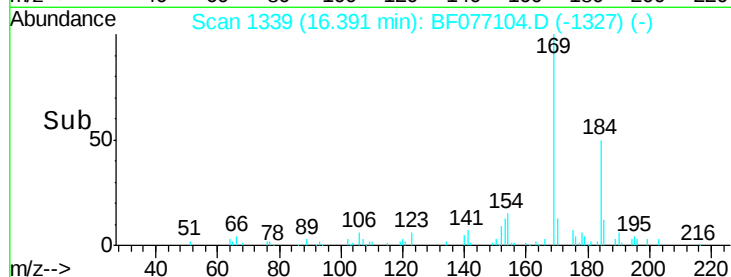
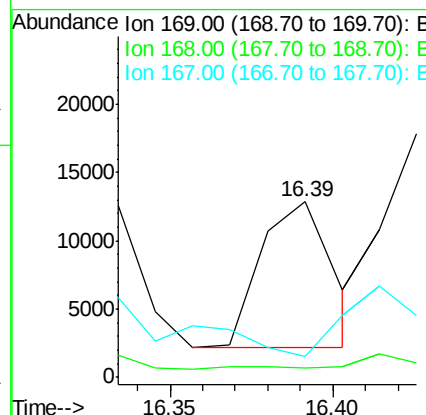
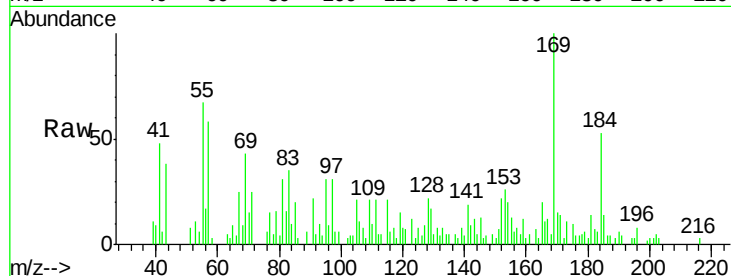




#65
 n-Nitrosodiphenylamine
 Concen: 5.25 ng
 RT: 16.39 min Scan# 1339
 Delta R.T. 0.03 min
 Lab File: BF077104.D
 Acq: 28 Jan 2015 16:21

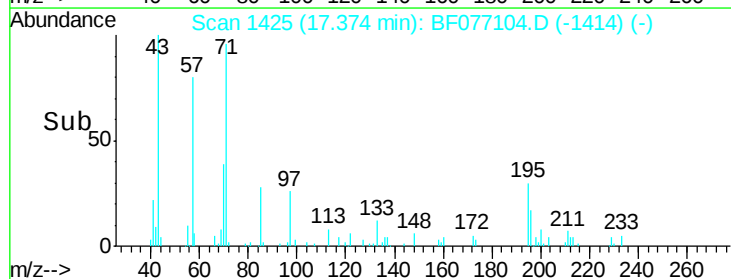
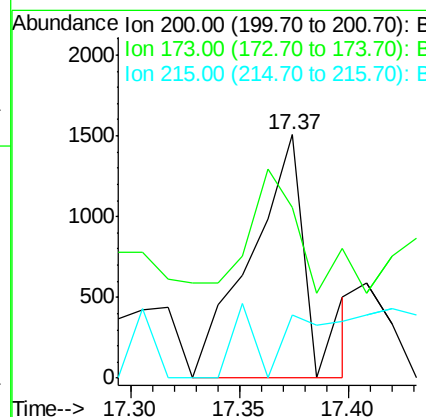
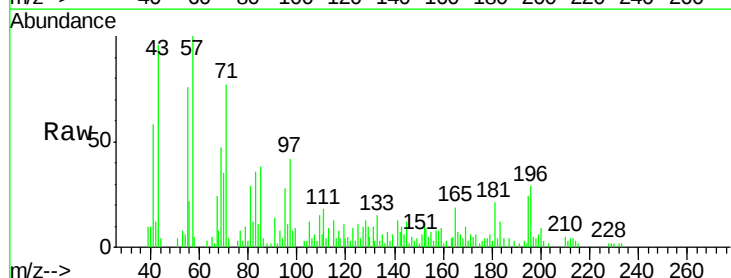
Instrument :
 BNA_F
 ClientSampleId :

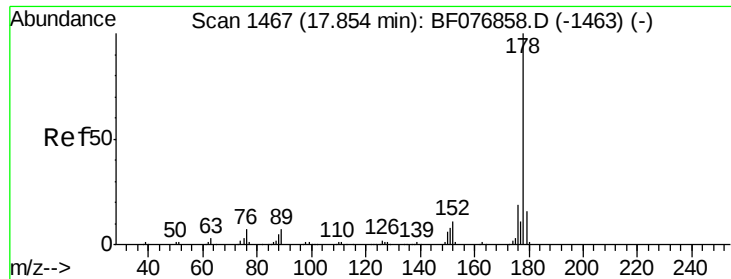
Tot Ion:169 Resp: 16075
 Ion Ratio Lower Upper
 169 100
 168 5.1 53.8 80.6#
 167 11.7 27.8 41.6#



#68
 Atrazine
 Concen: 3.02 ng
 RT: 17.37 min Scan# 1425
 Delta R.T. 0.02 min
 Lab File: BF077104.D
 Acq: 28 Jan 2015 16:21

Tgt Ion:200 Resp: 2805
 Ion Ratio Lower Upper
 200 100
 173 70.2 6.6 46.6#
 215 25.9 22.9 62.9





#70

Phenanthrene

Concen: 11.99 ng

RT: 17.64 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

Instrument :

BNA_F

ClientSampled :

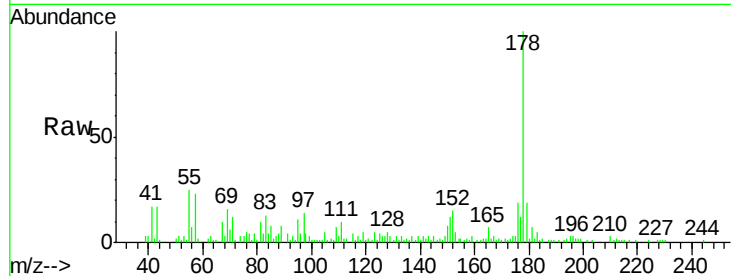
Tot Ion:178 Resp: 64199

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

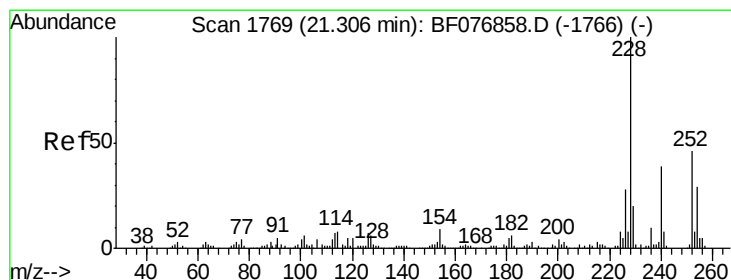
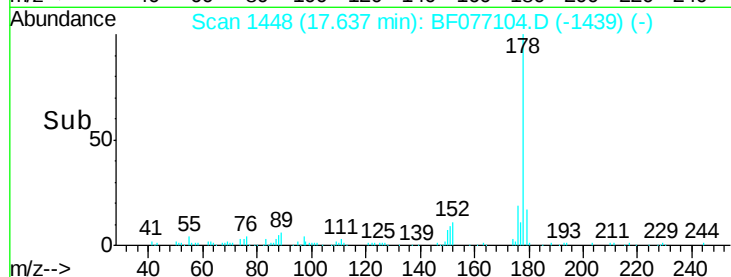
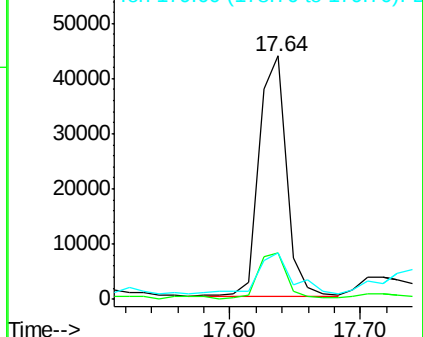
179 19.3 12.7 19.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.10 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

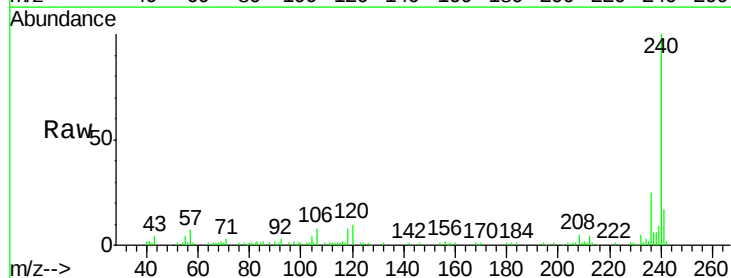
Tgt Ion:240 Resp: 83141

Ion Ratio Lower Upper

240 100

120 9.8 10.4 15.6#

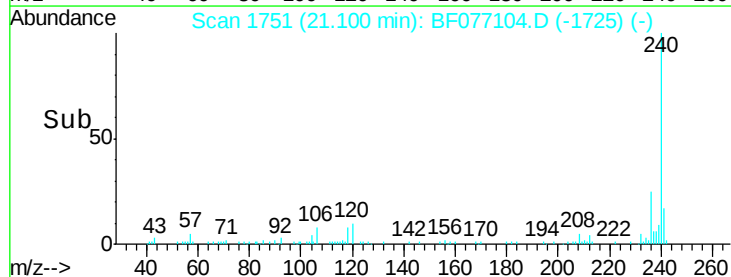
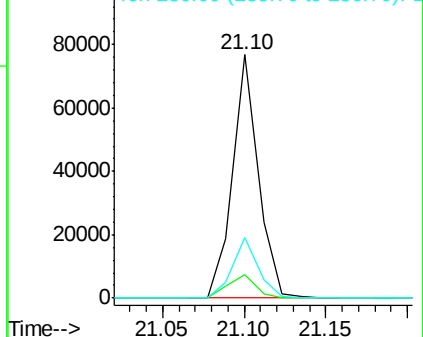
236 25.0 20.2 30.2

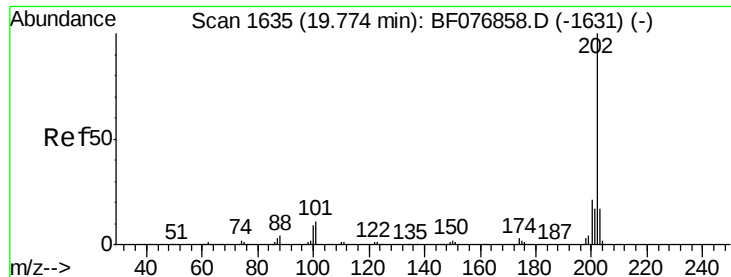


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.78 ng

RT: 19.57 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

Instrument :

BNA_F

ClientSampleId :

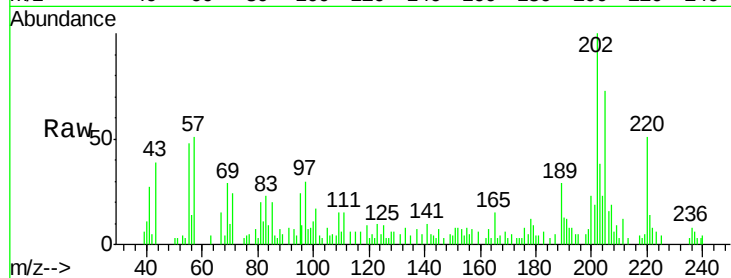
Tot Ion:202 Resp: 15854

Ion Ratio Lower Upper

202 100

200 22.7 16.7 25.1

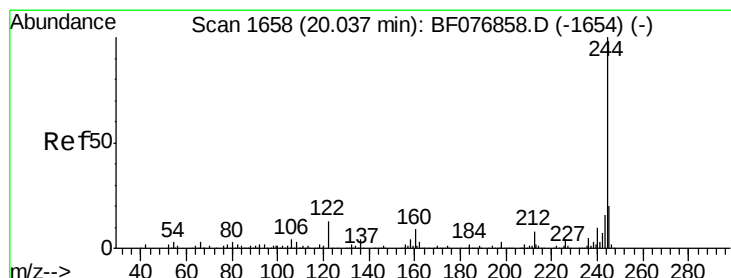
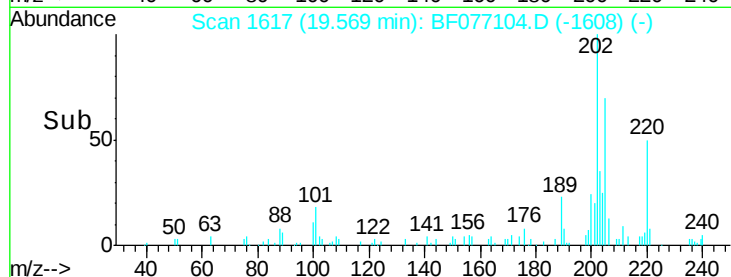
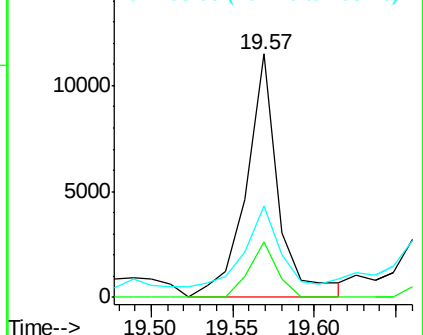
203 37.7 14.0 21.0#



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: 9.85 ng

RT: 19.84 min Scan# 1641

Delta R.T. -0.00 min

Lab File: BF077104.D

Acq: 28 Jan 2015 16:21

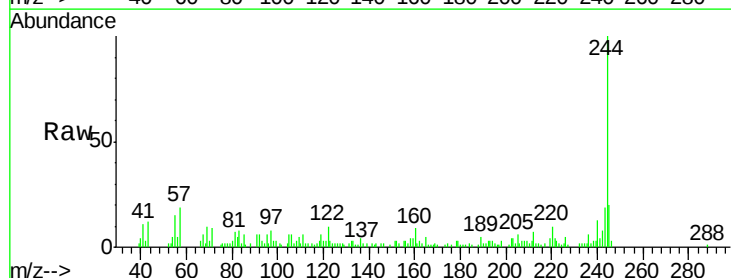
Tgt Ion:244 Resp: 35584

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

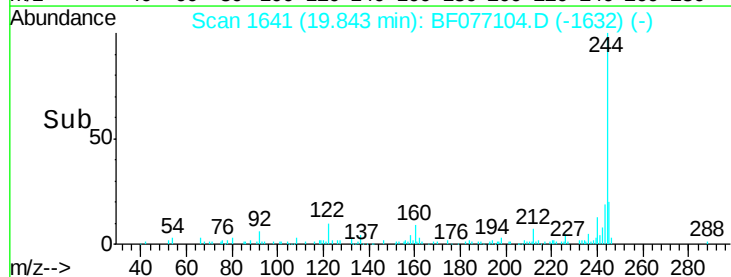
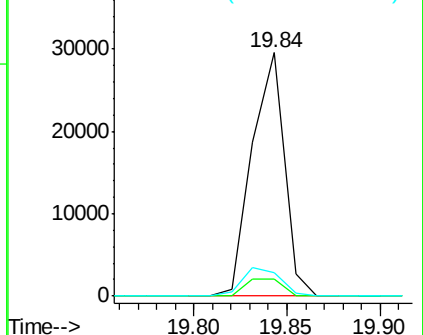
122 9.8 10.1 15.1#

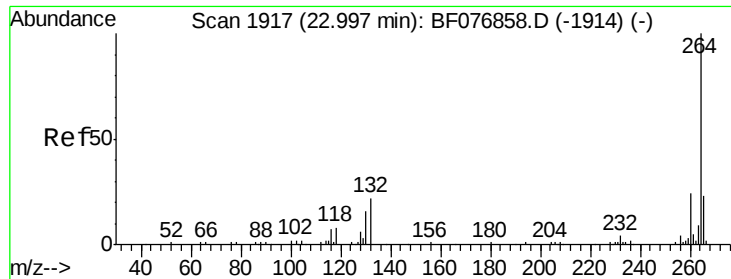


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

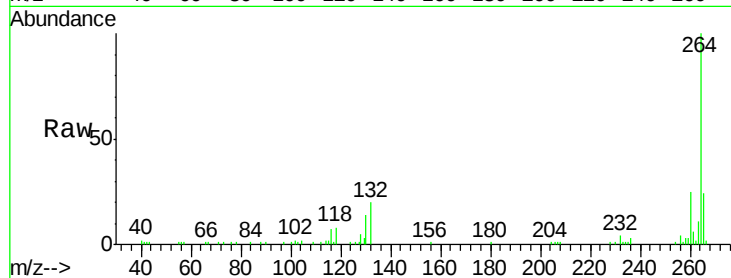




#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.79 min Scan# 1899
Delta R.T. 0.05 min
Lab File: BF077104.D
Acq: 28 Jan 2015 16:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 78145
Ion Ratio Lower Upper
264 100
260 25.0 19.0 28.4
265 23.8 18.1 27.1



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

