

Data Path : Z:\HPCHEM1\BNA F\Data\BF012815\
 Data File : BF077111.D
 Acq On : 28 Jan 2015 20:22
 Operator : TP/IZ
 Sample : G1137-01DL 25X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 01:41:06 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	26569	20.00	ng	0.00
21) Naphthalene-d8	10.63	136	112016	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	53461	20.00	ng	0.01
63) Phenanthrene-d10	17.60	188	95961	20.00	ng	0.01
75) Chrysene-d12	21.10	240	89974	20.00	ng	0.00
86) Perylene-d12	22.76	264	89134	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.78	112	4823	2.98	ng	0.02
7) Phenol-d6	7.16	99	6334	3.11	ng	0.01
23) Nitrobenzene-d5	9.03	82	4440	2.20	ng	0.01
41) 2,4,6-Tribromophenol	16.49	330	1147	2.64	ng	0.01
44) 2-Fluorobiphenyl	13.28	172	8311	2.37	ng	0.00
78) Terphenyl-d14	19.84	244	8726	2.23	ng	0.00

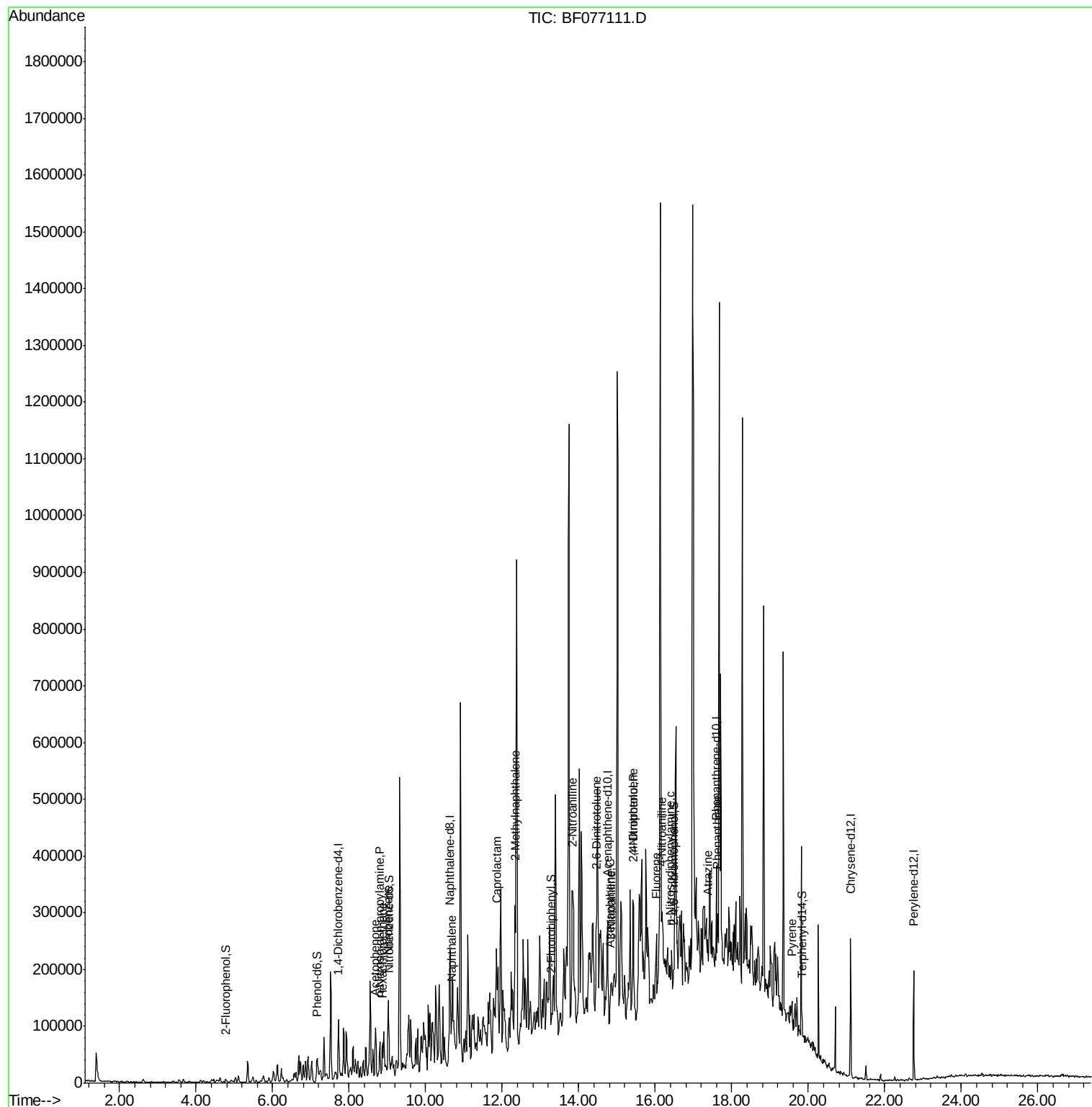
Target Compounds						Qvalue
18) Hexachloroethane	8.87	117	2963	3.79	ng	# 1
19) n-Nitroso-di-n-propylamine	8.80	70	3031	2.12	ng	# 41
22) Acetophenone	8.68	105	31135	11.35	ng	# 55
24) Nitrobenzene	9.02	77	6802	3.30	ng	# 16
31) Naphthalene	10.68	128	25239	4.38	ng	# 92
35) Caprolactam	11.85	113	1886	4.32	ng	# 1
37) 2-Methylnaphthalene	12.33	142	92642	23.52	ng	99
47) 2-Nitroaniline	13.84	65	3555	3.59	ng	# 55
50) 2,6-Dinitrotoluene	14.46	165	3847	5.08	ng	# 21
51) Acenaphthene	14.83	154	8087	2.59	ng	97
52) 3-Nitroaniline	14.84	138	1594	3.37	ng	# 1
55) 4-Nitrophenol	15.42	139	4606	7.75	ng	# 67
56) 2,4-Dinitrotoluene	15.43	165	3794	5.31	ng	# 64
57) Fluorene	16.01	166	18460	4.79	ng	# 76
61) 4-Nitroaniline	16.17	138	3308	4.79	ng	# 78
65) n-Nitrosodiphenylamine	16.39	169	14767	4.32	ng	# 39
68) Atrazine	17.37	200	2432	2.34	ng	# 42
70) Phenanthrene	17.63	178	51068	8.53	ng	# 94
77) Pyrene	19.57	202	12701	2.06	ng	# 76

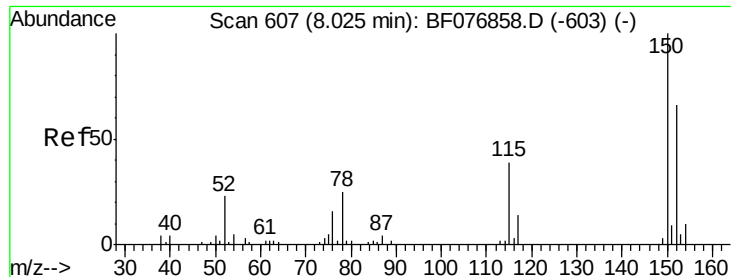
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 580

Delta R.T. -0.00 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

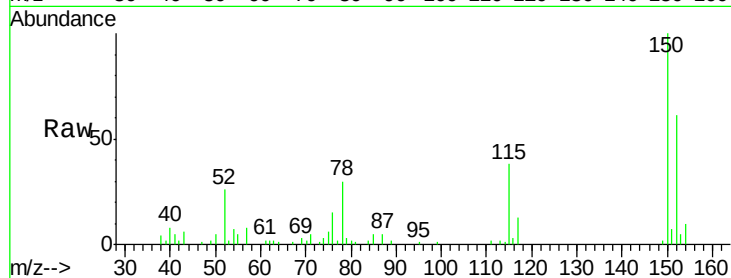
Tot Ion:152 Resp: 26569

Ion Ratio Lower Upper

152 100

150 164.7 121.7 182.5

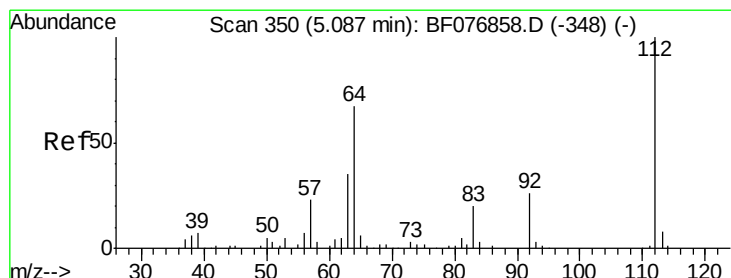
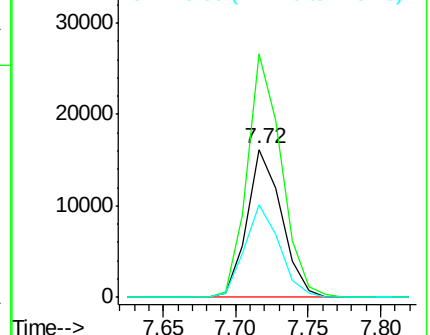
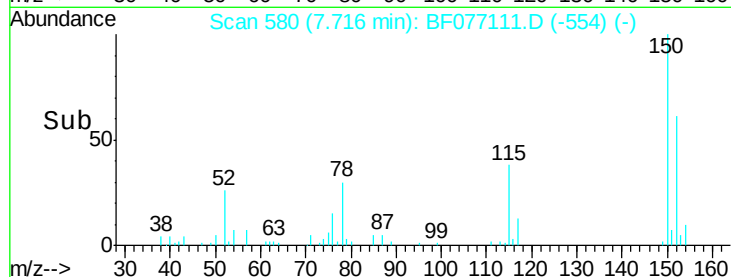
115 62.7 47.0 70.6



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: 2.98 ng

RT: 4.78 min Scan# 323

Delta R.T. 0.02 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

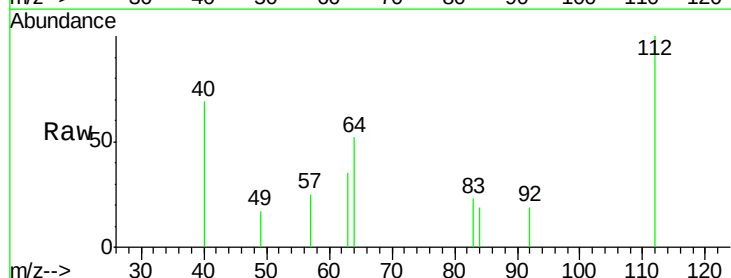
Tgt Ion:112 Resp: 4823

Ion Ratio Lower Upper

112 100

64 52.3 54.2 81.4#

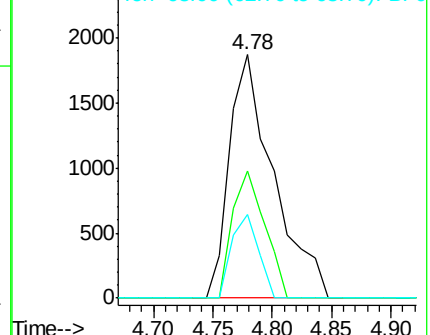
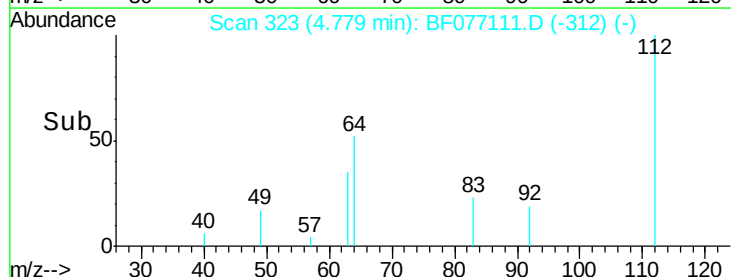
63 34.6 28.4 42.6

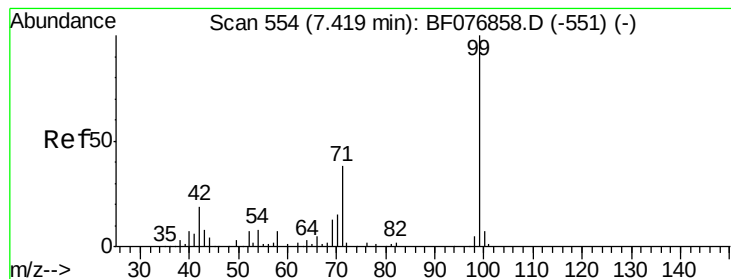


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.11 ng

RT: 7.16 min Scan# 531

Delta R.T. 0.01 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

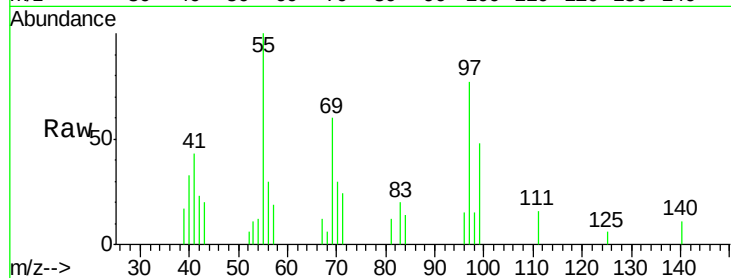
Tot Ion: 99 Resp: 6334

Ion Ratio Lower Upper

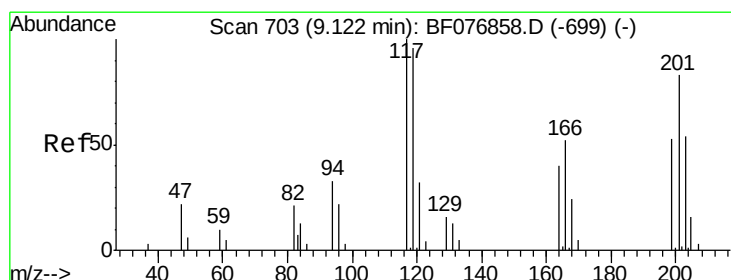
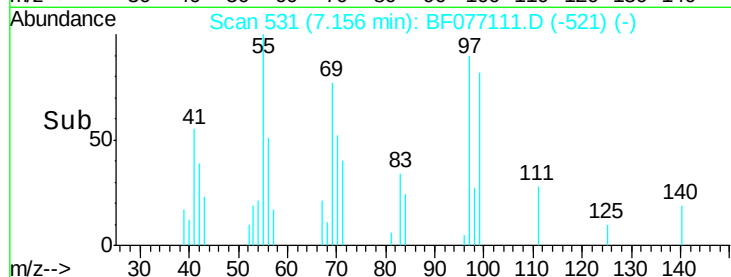
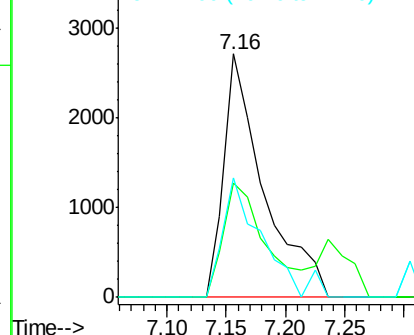
99 100

42 47.0 15.0 22.4#

71 49.1 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: 3.79 ng

RT: 8.87 min Scan# 681

Delta R.T. 0.05 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

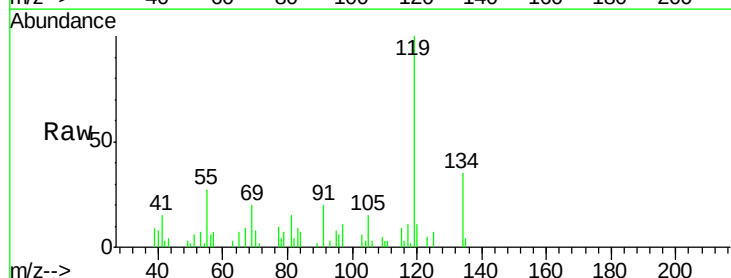
Tgt Ion: 117 Resp: 2963

Ion Ratio Lower Upper

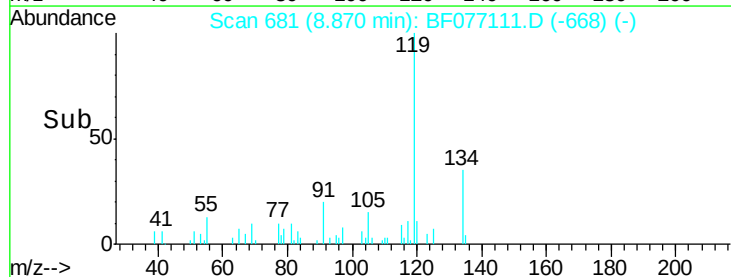
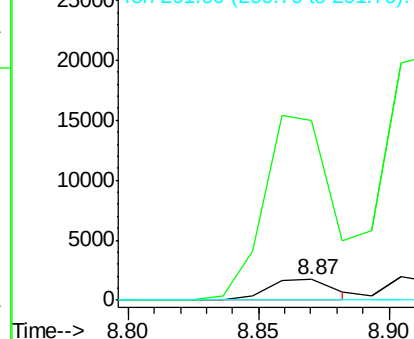
117 100

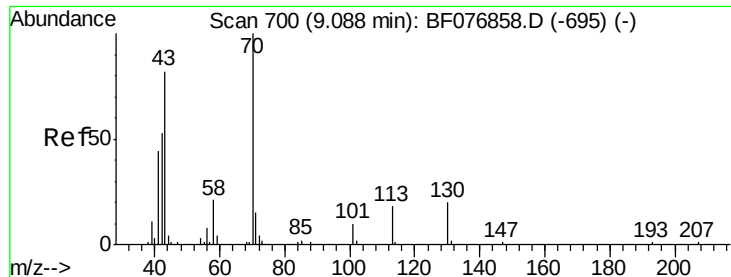
119 870.4 77.1 115.7#

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: 2.12 ng

RT: 8.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 3031

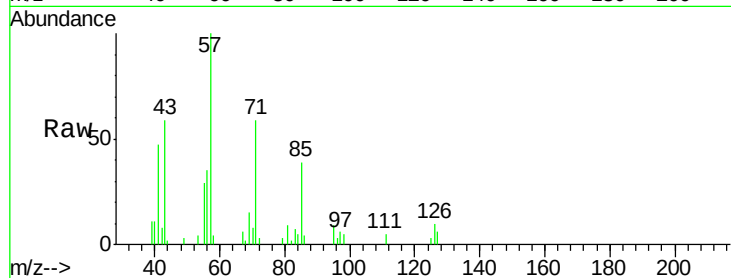
Ion Ratio Lower Upper

70 100

42 102.5 42.1 63.1#

101 0.0 7.8 11.8#

130 0.0 16.2 24.4#

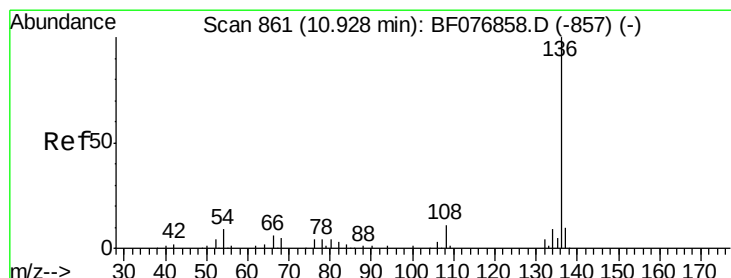
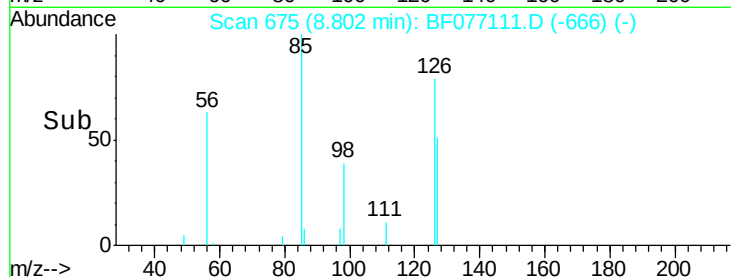
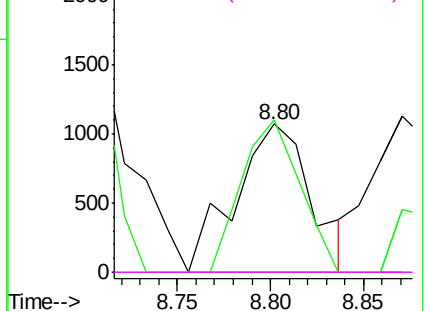


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.63 min Scan# 835

Delta R.T. -0.00 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Tgt Ion: 136 Resp: 112016

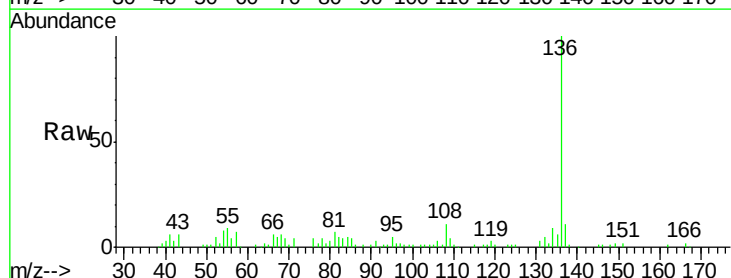
Ion Ratio Lower Upper

136 100

137 10.9 8.1 12.1

54 8.3 7.0 10.4

68 6.1 3.7 5.5#

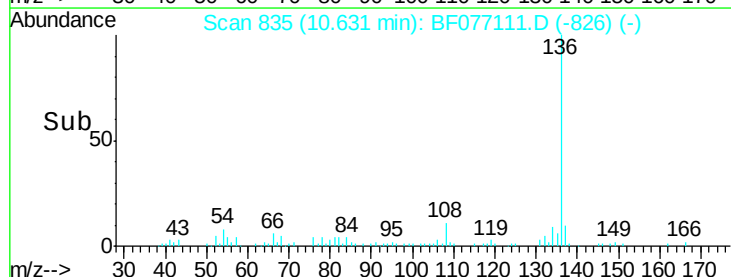
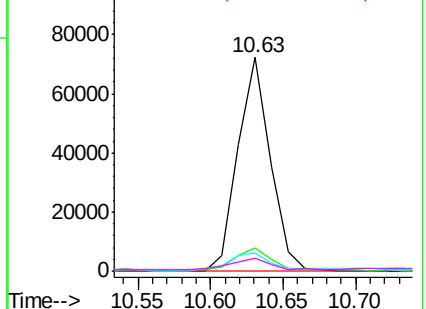


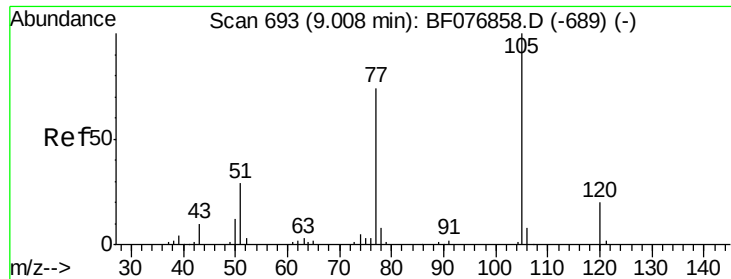
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

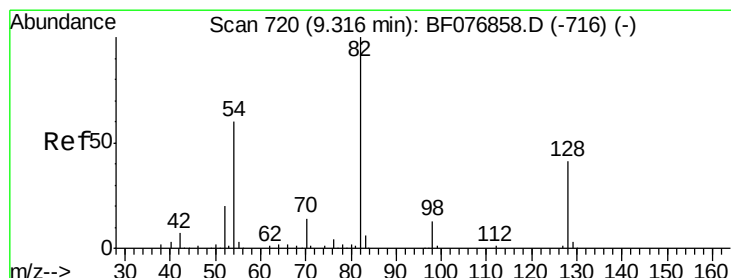
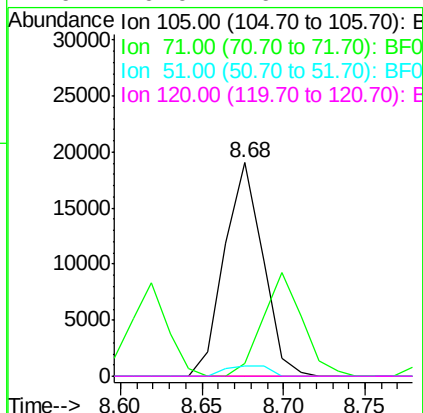
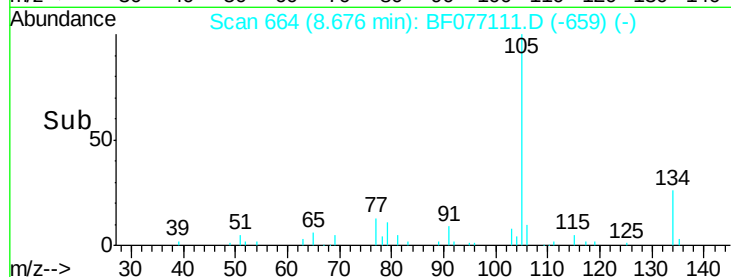
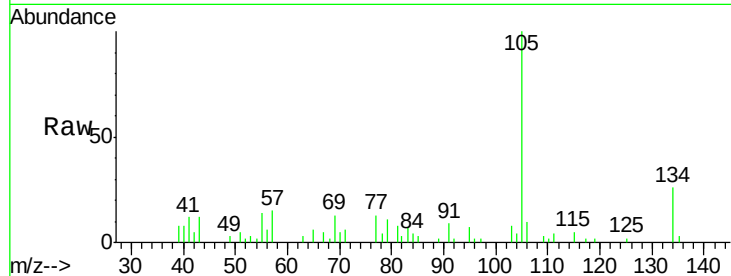




#22
Acetophenone
Concen: 11.35 ng
RT: 8.68 min Scan# 664
Delta R.T. -0.05 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

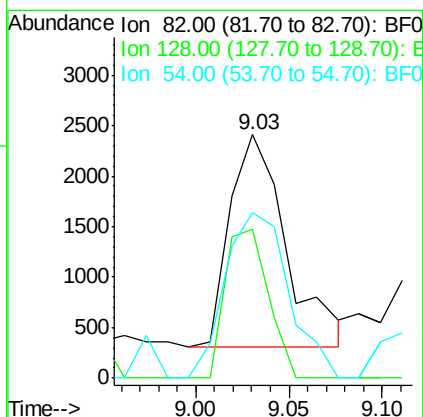
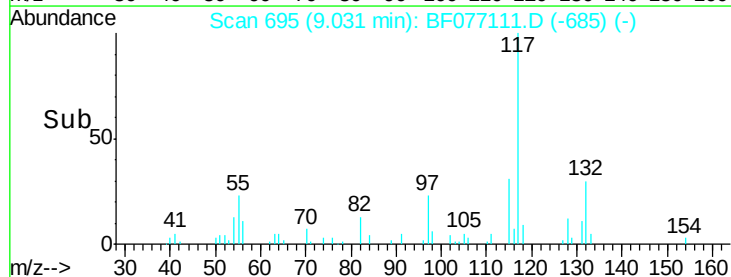
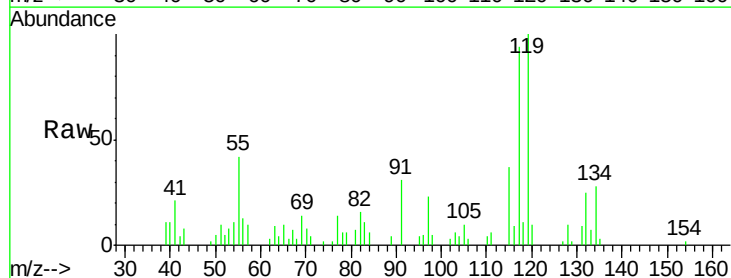
Instrument :
BNA_F
ClientSampleId :

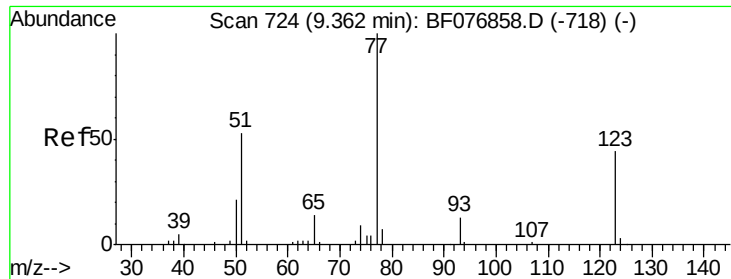
Tot Ion:105 Resp: 31135
Ion Ratio Lower Upper
105 100
71 6.1 0.0 0.0#
51 4.9 23.3 34.9#
120 0.0 16.1 24.1#



#23
Nitrobenzene-d5
Concen: 2.20 ng
RT: 9.03 min Scan# 695
Delta R.T. 0.01 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

Tgt Ion: 82 Resp: 4440
Ion Ratio Lower Upper
82 100
128 61.1 33.1 49.7#
54 68.2 48.3 72.5





#24

Nitrobenzene

Concen: 3.30 ng

RT: 9.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

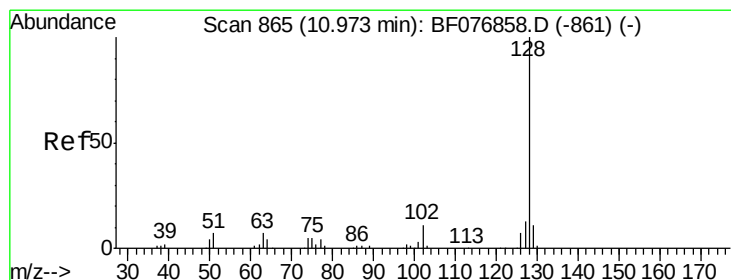
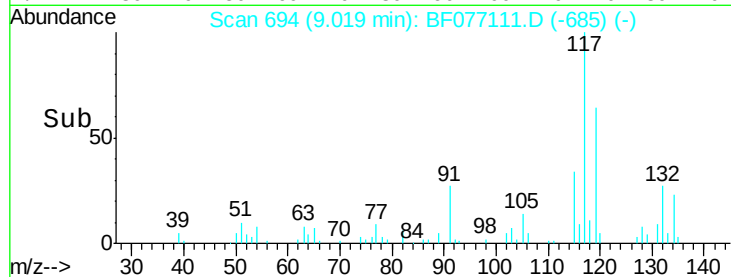
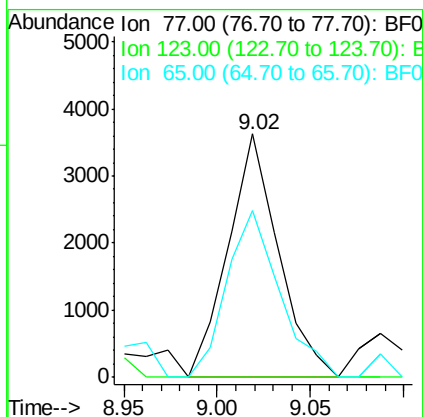
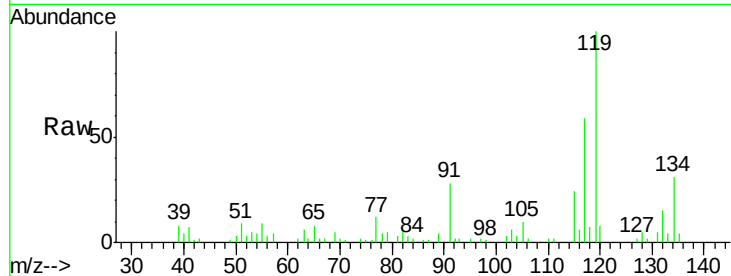
Tot Ion: 77 Resp: 6802

Ion Ratio Lower Upper

77 100

123 0.0 35.2 52.8#

65 68.4 11.4 17.2#



#31

Naphthalene

Concen: 4.38 ng

RT: 10.68 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

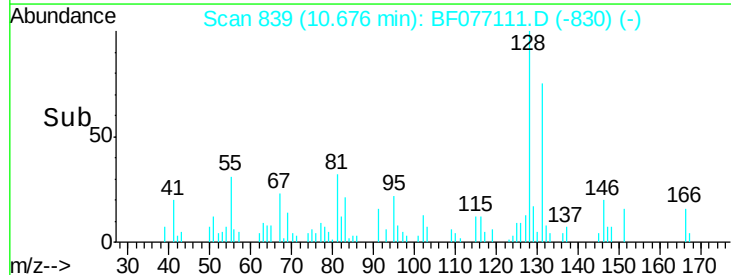
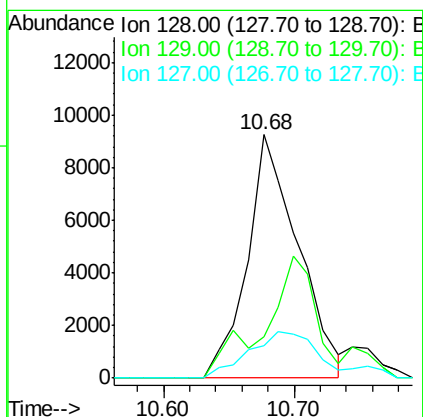
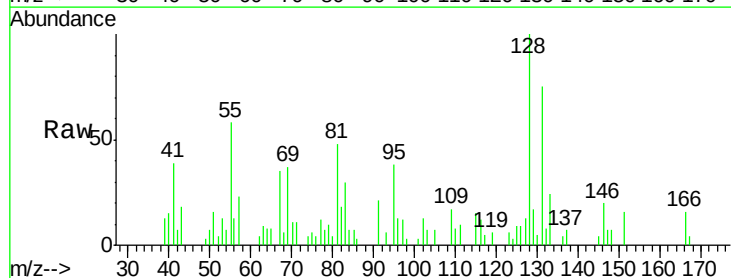
Tgt Ion: 128 Resp: 25239

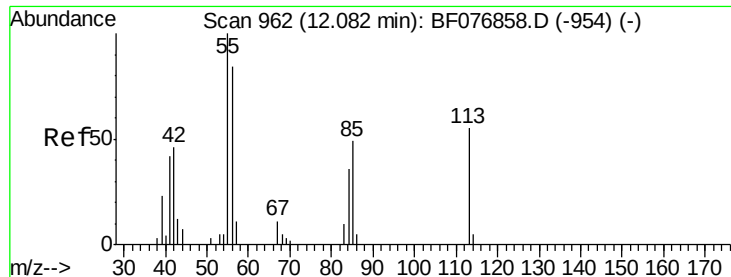
Ion Ratio Lower Upper

128 100

129 17.2 9.0 13.6#

127 13.2 10.2 15.2





#35

Caprolactam

Concen: 4.32 ng

RT: 11.85 min Scan# 942

Delta R.T. 0.05 min

Lab File: BF077111.D

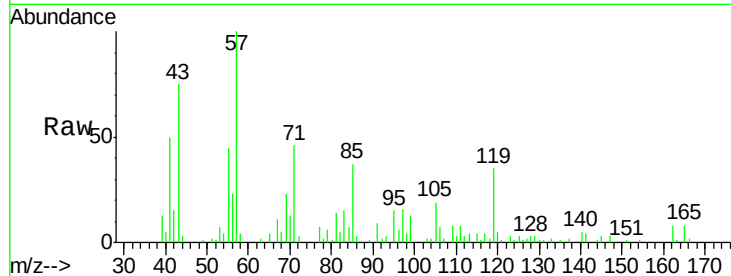
Acq: 28 Jan 2015 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 1886

Ion Ratio Lower Upper

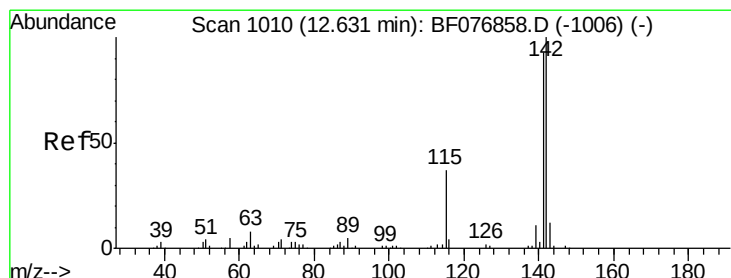
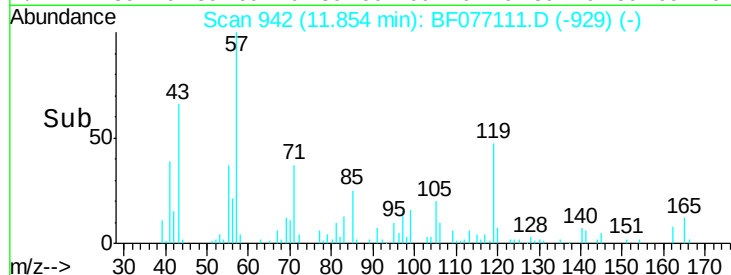
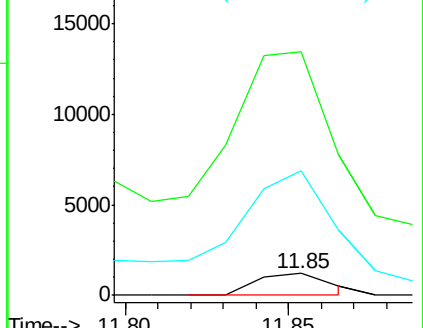
113	100		
55	1115.6	162.1	202.1#
56	572.6	133.7	173.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 23.52 ng

RT: 12.33 min Scan# 984

Delta R.T. -0.00 min

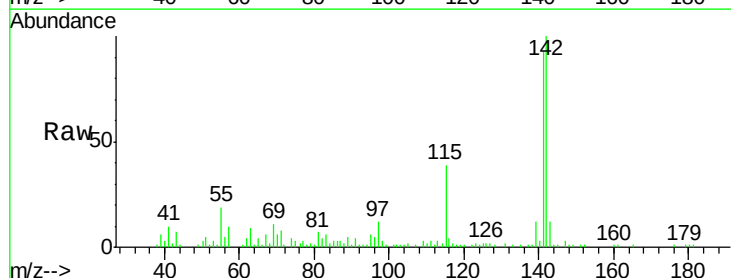
Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Tgt Ion:142 Resp: 92642

Ion Ratio Lower Upper

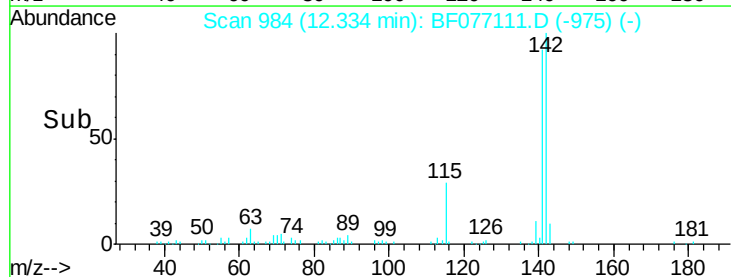
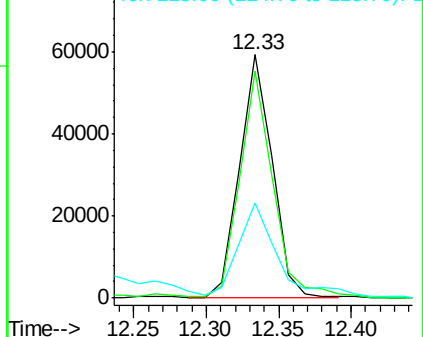
142	100		
141	93.3	74.5	111.7
115	38.9	29.7	44.5

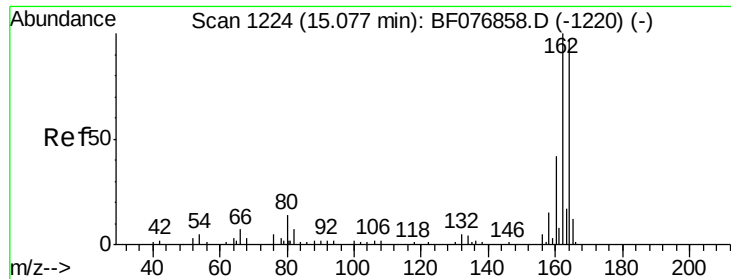


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

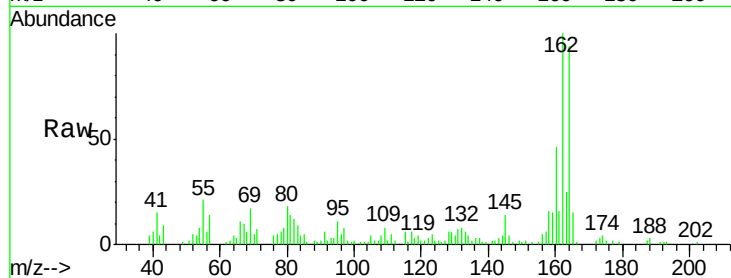
Tot Ion:164 Resp: 53461

Ion Ratio Lower Upper

164 100

162 106.0 82.4 123.6

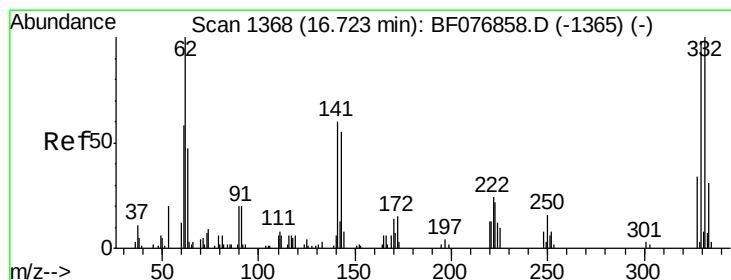
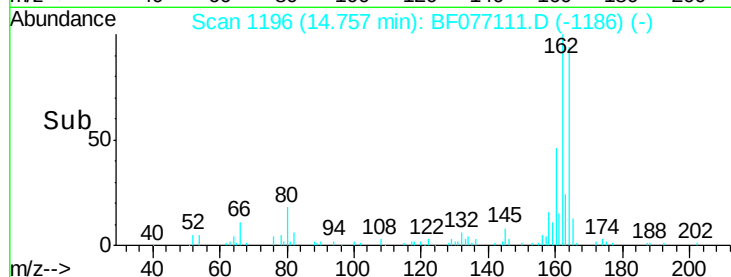
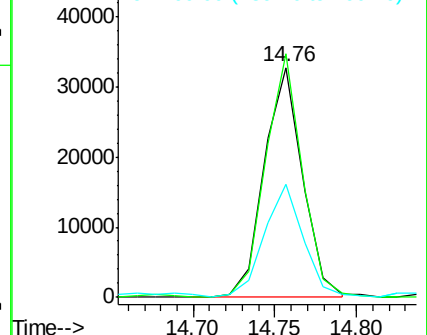
160 49.2 34.8 52.2



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: 2.64 ng

RT: 16.49 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

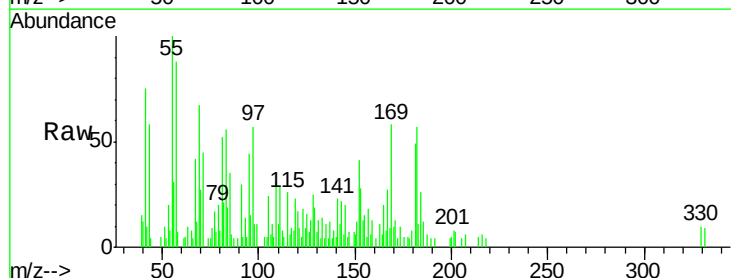
Tgt Ion:330 Resp: 1147

Ion Ratio Lower Upper

330 100

332 93.6 77.8 116.6

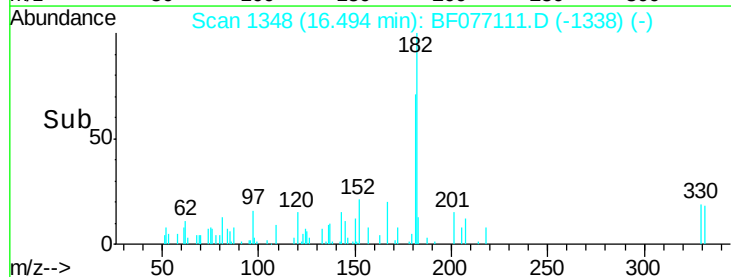
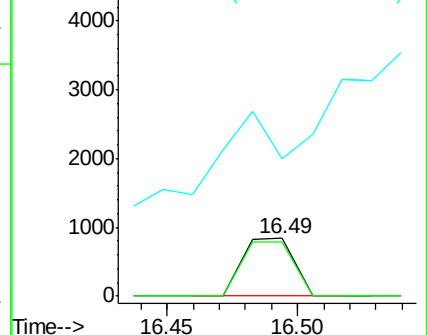
141 142.3 38.5 57.7#

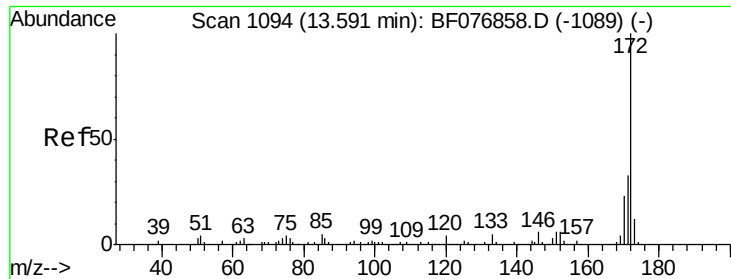


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

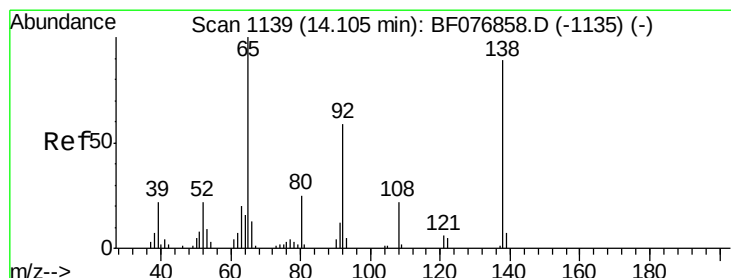
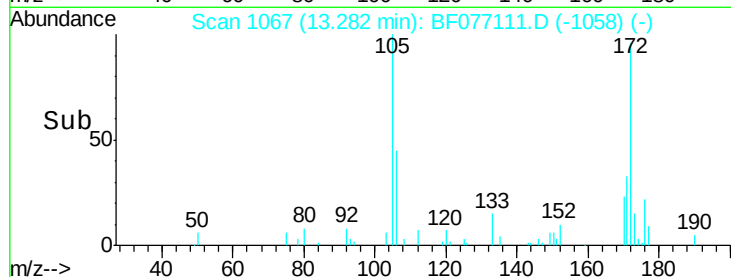
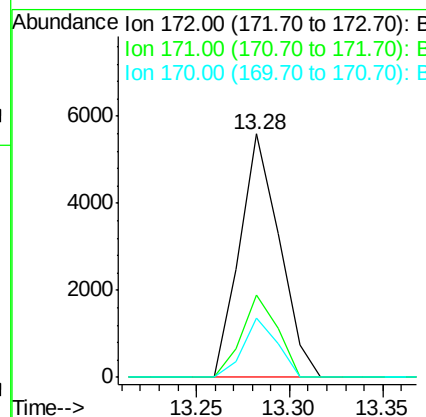
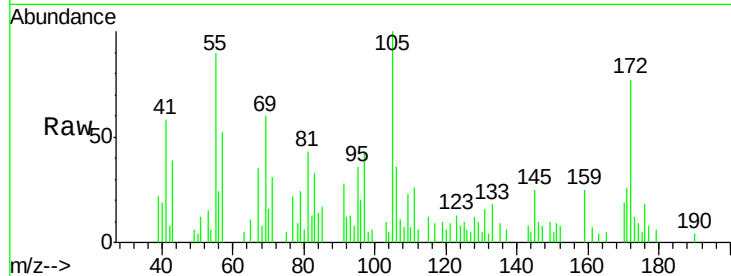




#44
2-Fluorobiphenyl
Concen: 2.37 ng
RT: 13.28 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

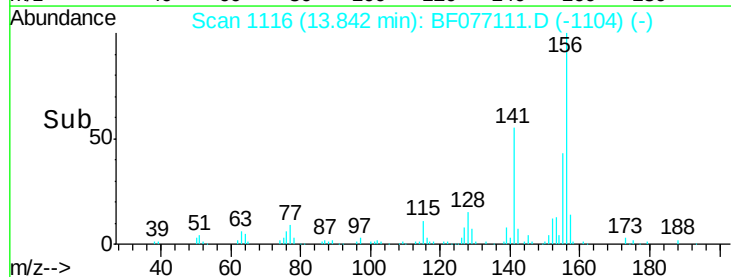
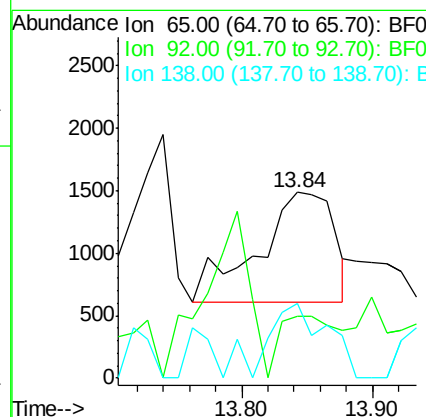
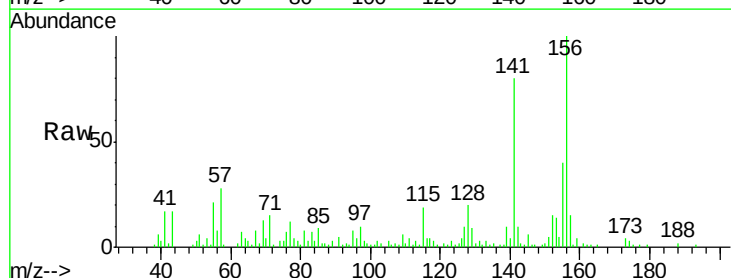
Instrument :
BNA_F
ClientSampleId :

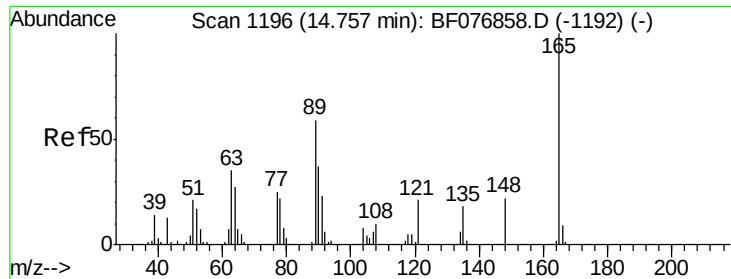
Tot Ion: 172 Resp: 8311
Ion Ratio Lower Upper
172 100
171 33.9 26.6 40.0
170 24.3 18.0 27.0



#47
2-Nitroaniline
Concen: 3.59 ng
RT: 13.84 min Scan# 1116
Delta R.T. 0.03 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

Tgt Ion: 65 Resp: 3555
Ion Ratio Lower Upper
65 100
92 33.0 47.3 70.9#
138 40.4 71.4 107.2#

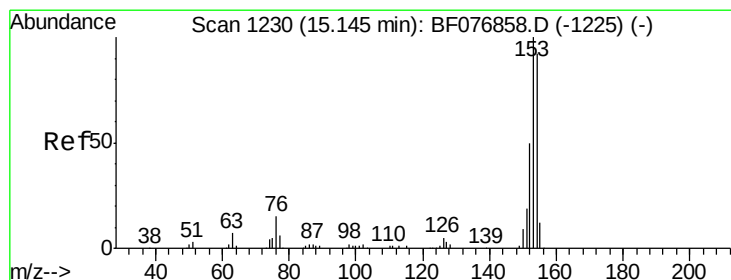
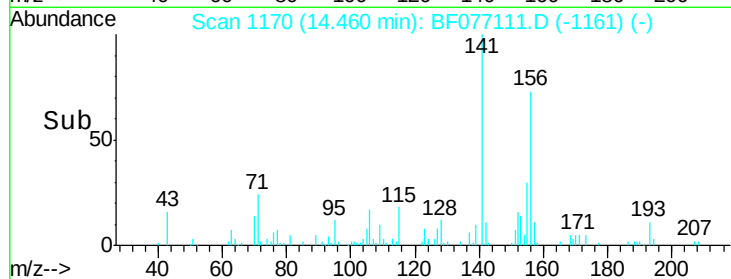
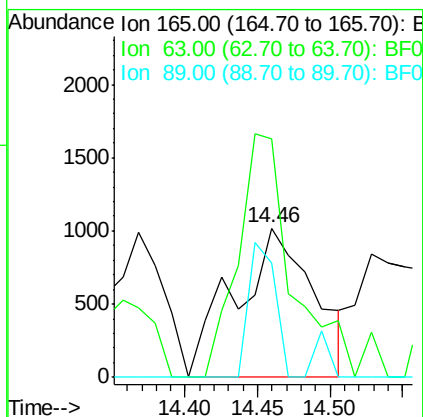
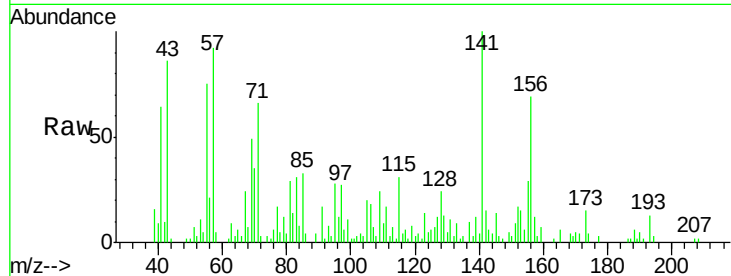




#50
 2,6-Dinitrotoluene
 Concen: 5.08 ng
 RT: 14.46 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF077111.D
 Acq: 28 Jan 2015 20:22

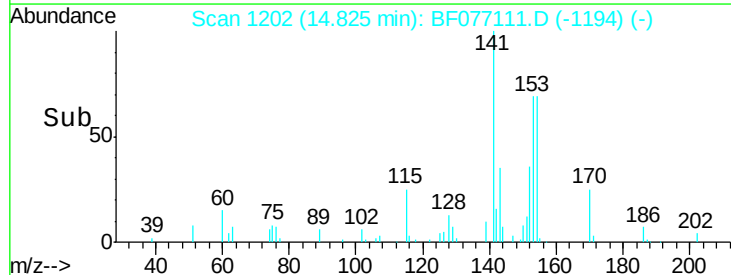
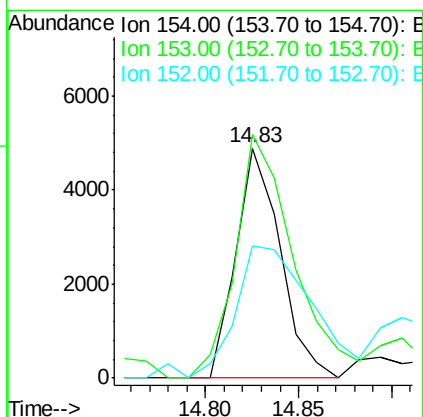
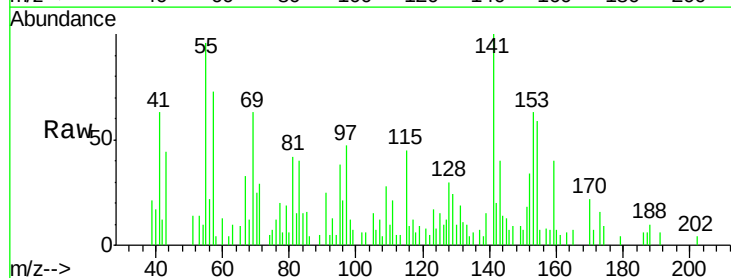
Instrument :
 BNA_F
 ClientSampleId :

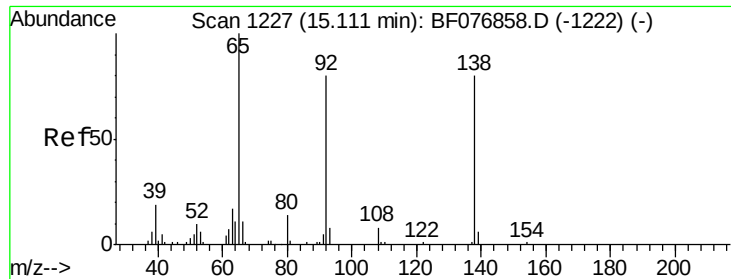
Tot Ion:165 Resp: 3847
 Ion Ratio Lower Upper
 165 100
 63 160.1 48.1 72.1#
 89 77.0 47.2 70.8#



#51
 Acenaphthene
 Concen: 2.59 ng
 RT: 14.83 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF077111.D
 Acq: 28 Jan 2015 20:22

Tgt Ion:154 Resp: 8087
 Ion Ratio Lower Upper
 154 100
 153 106.0 87.0 130.6
 152 57.6 43.5 65.3

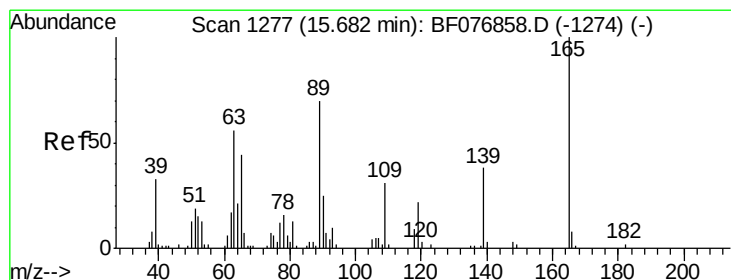
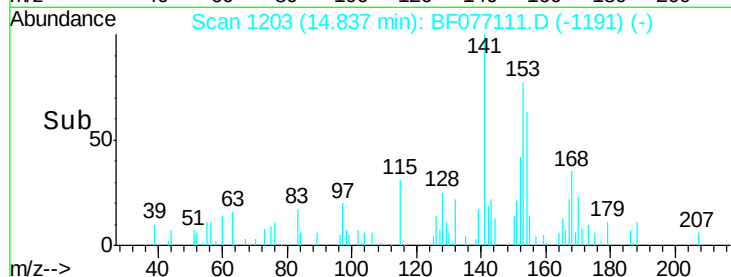
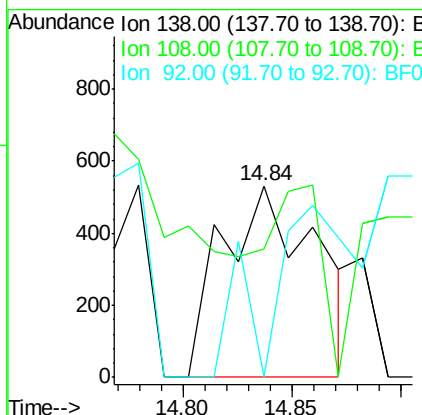
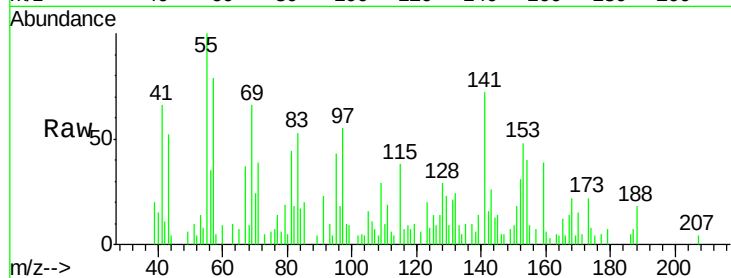




#52
3-Nitroaniline
Concen: 3.37 ng
RT: 14.84 min Scan# 1203
Delta R.T. 0.03 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

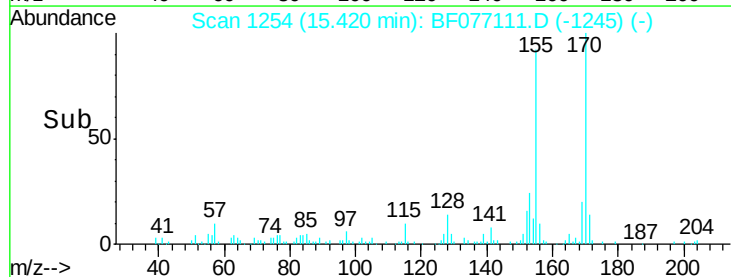
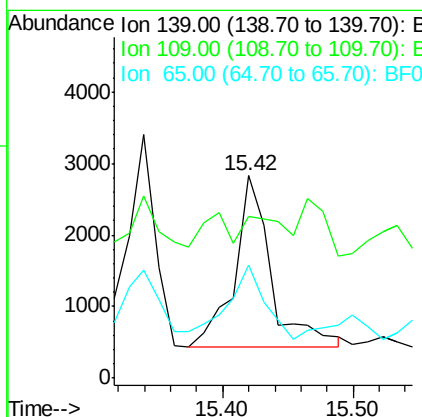
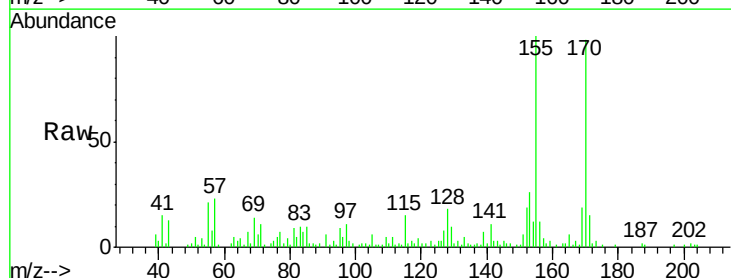
Instrument :
BNA_F
ClientSampleId :

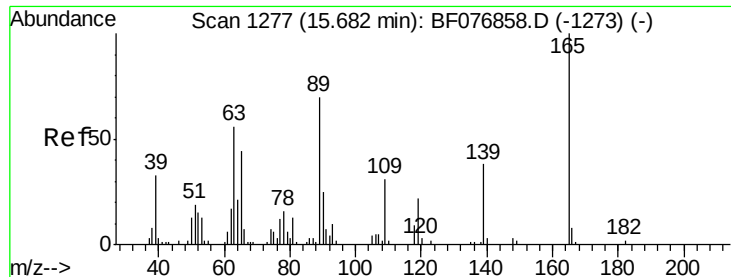
Tot Ion:138 Resp: 1594
Ion Ratio Lower Upper
138 100
108 66.7 8.3 12.5#
92 0.0 80.9 121.3#



#55
4-Nitrophenol
Concen: 7.75 ng
RT: 15.42 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

Tgt Ion:139 Resp: 4606
Ion Ratio Lower Upper
139 100
109 79.8 61.0 101.0
65 55.7 96.6 136.6#

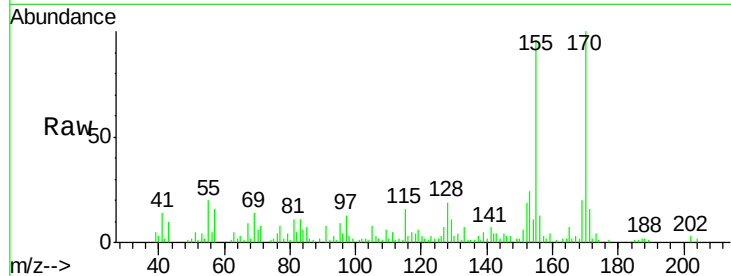




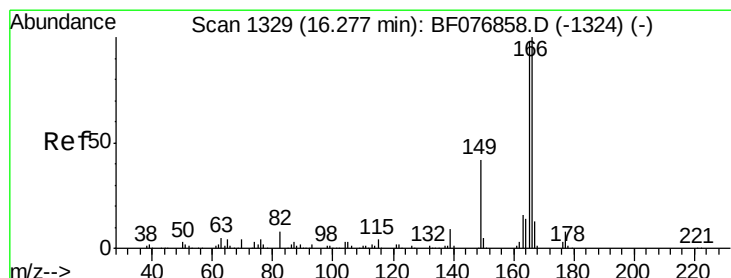
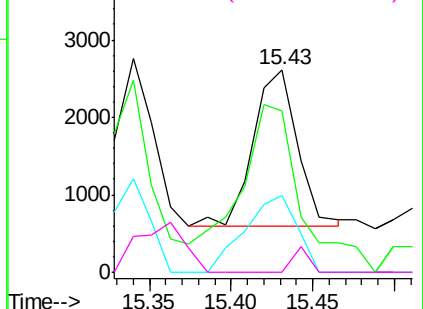
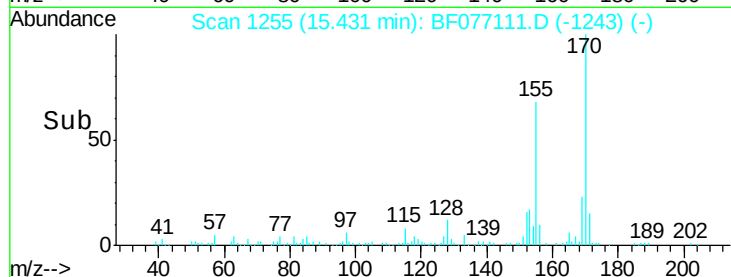
#56
2,4-Dinitrotoluene
Concen: 5.31 ng
RT: 15.43 min Scan# 1255
Delta R.T. 0.03 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 3794
Ion Ratio Lower Upper
165 100
63 79.5 44.8 67.2#
89 37.8 56.2 84.2#
182 0.0 1.5 2.3#

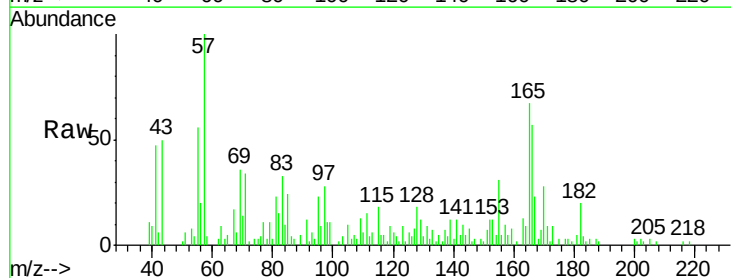


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

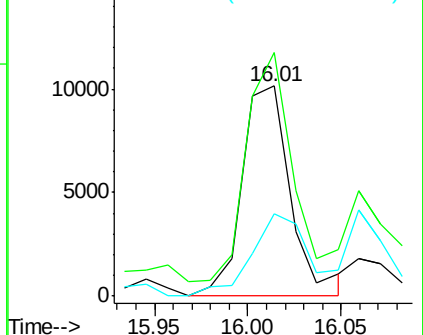
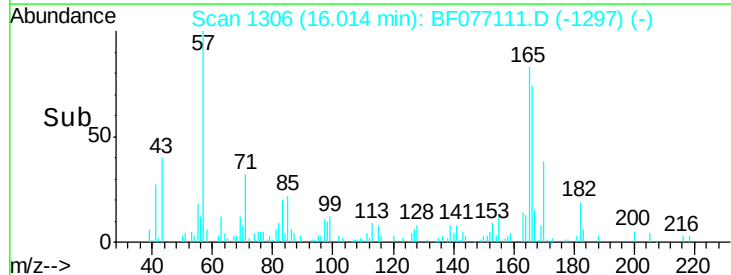


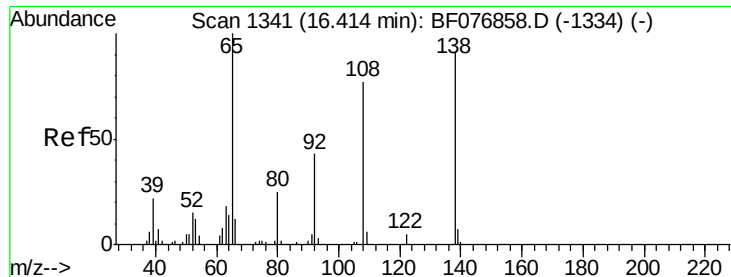
#57
Fluorene
Concen: 4.79 ng
RT: 16.01 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

Tgt Ion:166 Resp: 18460
Ion Ratio Lower Upper
166 100
165 115.9 78.5 117.7
167 39.5 10.4 15.6#



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

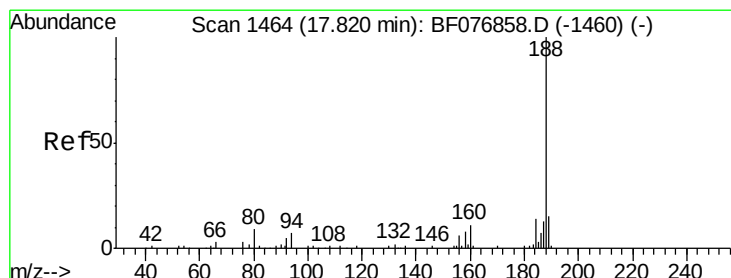
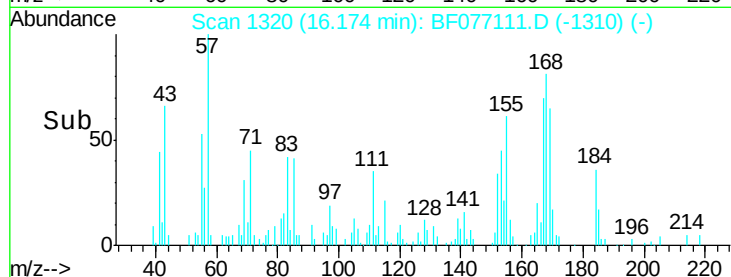
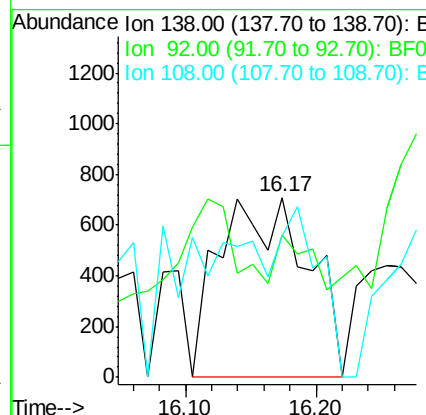
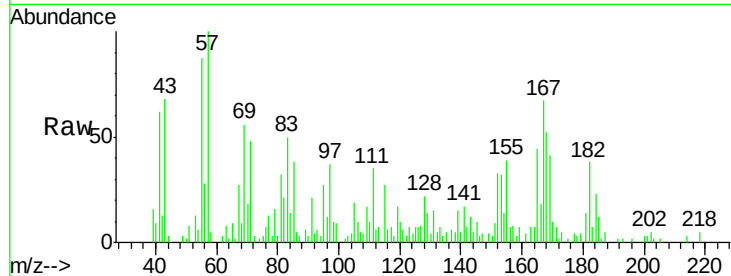




#61
4-Nitroaniline
Concen: 4.79 ng
RT: 16.17 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

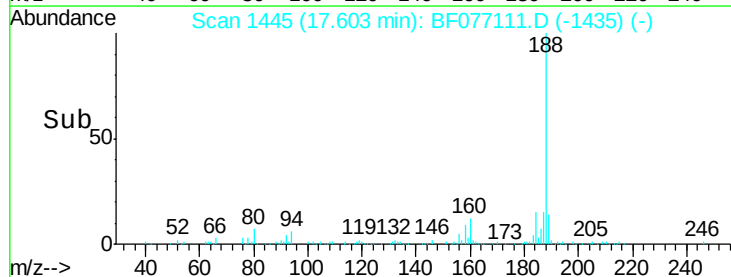
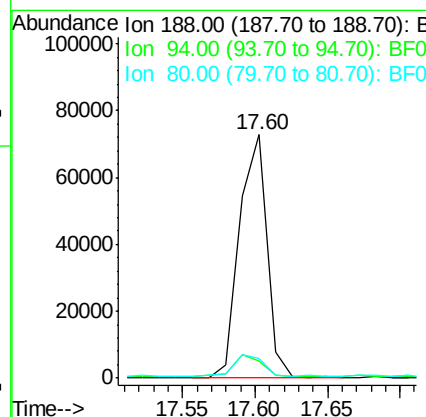
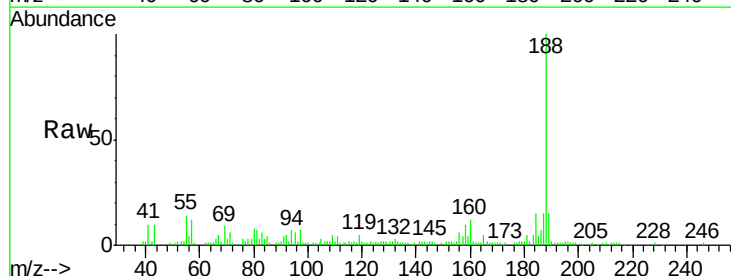
Instrument :
BNA_F
ClientSampleId :

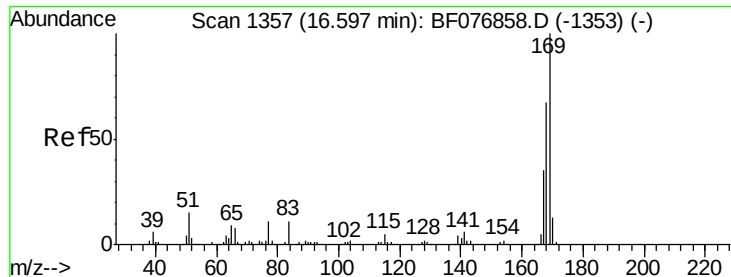
Tot Ion:138 Resp: 3308
Ion Ratio Lower Upper
138 100
92 79.2 26.7 66.7#
108 78.5 64.5 104.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.60 min Scan# 1445
Delta R.T. 0.01 min
Lab File: BF077111.D
Acq: 28 Jan 2015 20:22

Tgt Ion:188 Resp: 95961
Ion Ratio Lower Upper
188 100
94 7.0 6.0 9.0
80 8.0 6.9 10.3





#65

n-Nitrosodiphenylamine

Concen: 4.32 ng

RT: 16.39 min Scan# 1339

Delta R.T. 0.03 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

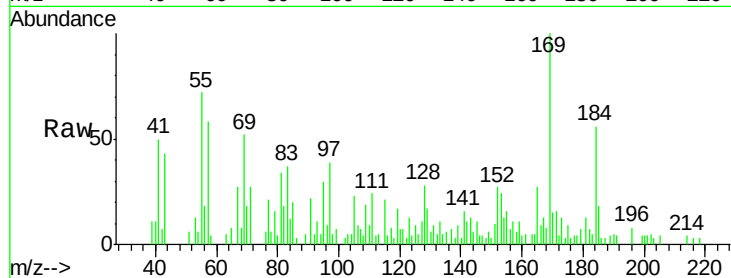
Tot Ion:169 Resp: 14767

Ion Ratio Lower Upper

169 100

168 8.3 53.8 80.6#

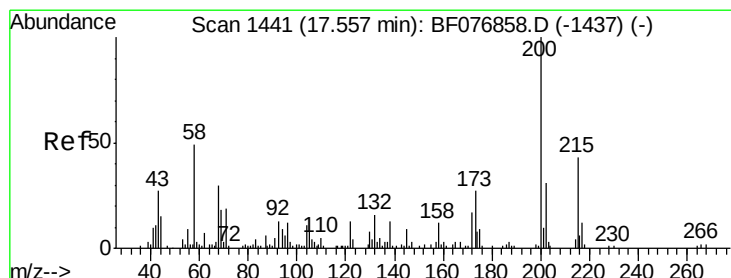
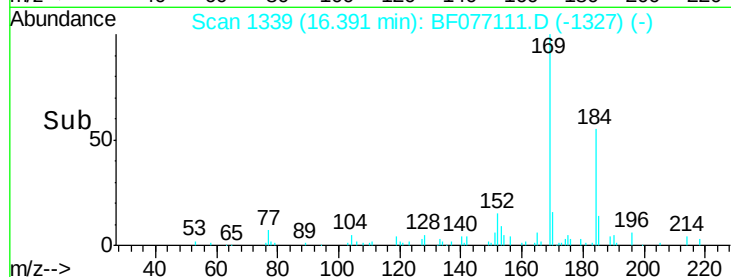
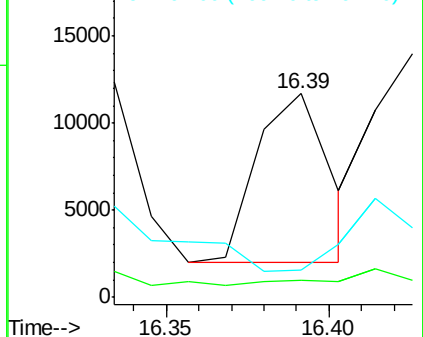
167 13.4 27.8 41.6#



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



#68

Atrazine

Concen: 2.34 ng

RT: 17.37 min Scan# 1425

Delta R.T. 0.02 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

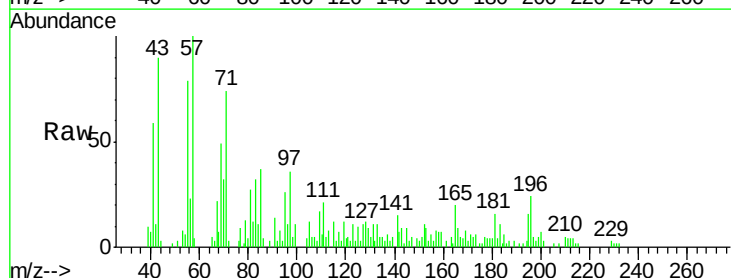
Tgt Ion:200 Resp: 2432

Ion Ratio Lower Upper

200 100

173 91.0 6.6 46.6#

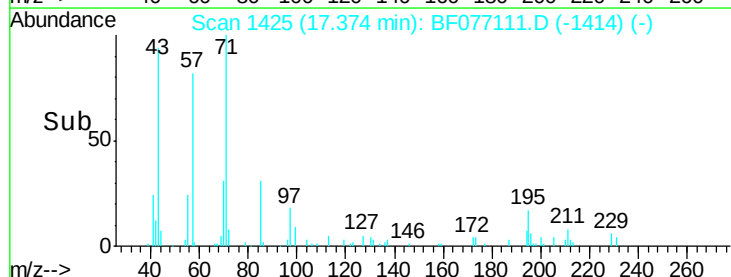
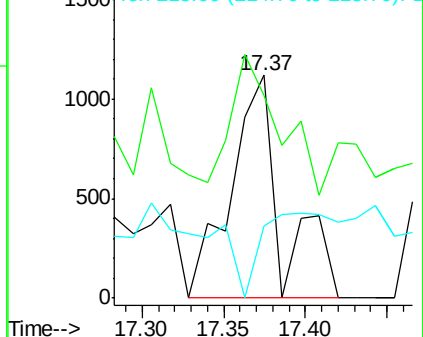
215 32.5 22.9 62.9

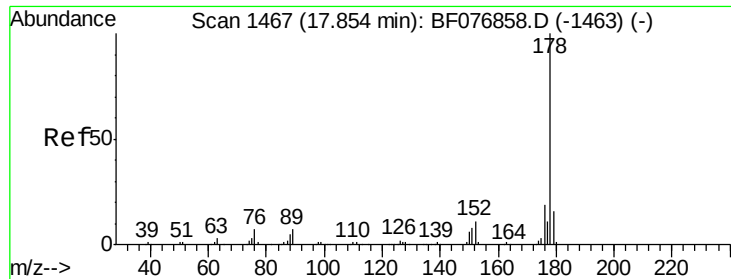


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 8.53 ng

RT: 17.63 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

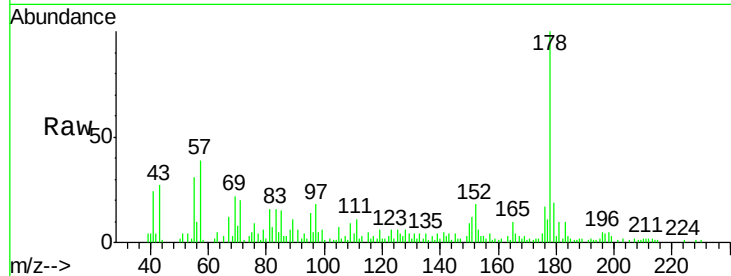
Tot Ion:178 Resp: 51068

Ion Ratio Lower Upper

178 100

176 16.8 15.1 22.7

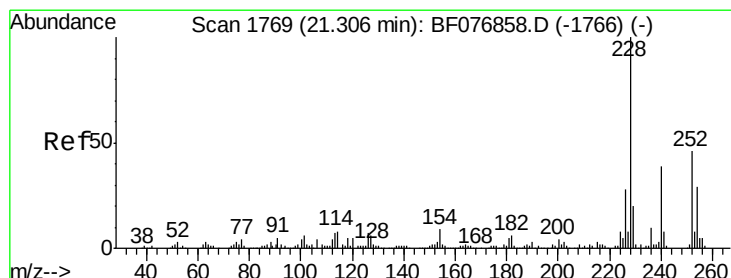
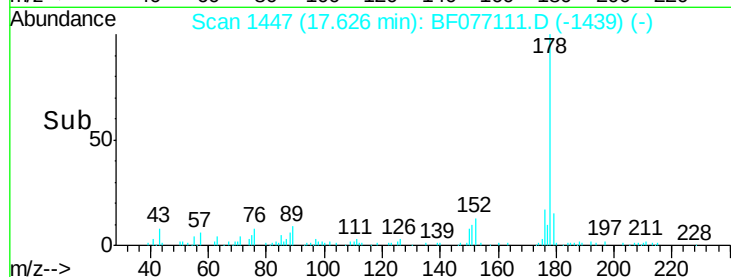
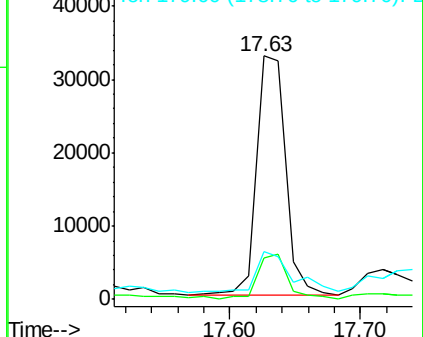
179 19.5 12.7 19.1#



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: BF077111.D

Acq: 28 Jan 2015 20:22

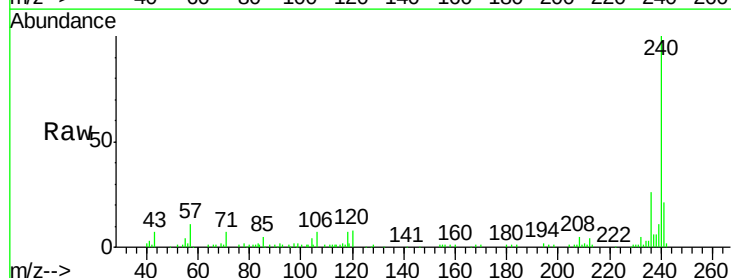
Tgt Ion:240 Resp: 89974

Ion Ratio Lower Upper

240 100

120 8.4 10.4 15.6#

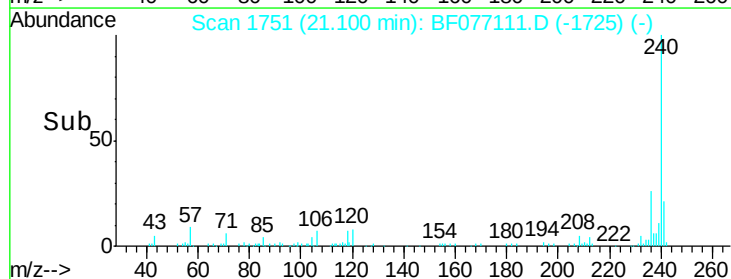
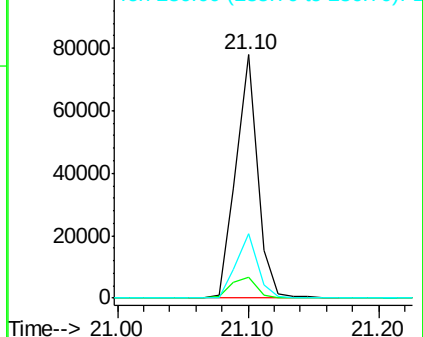
236 26.5 20.2 30.2

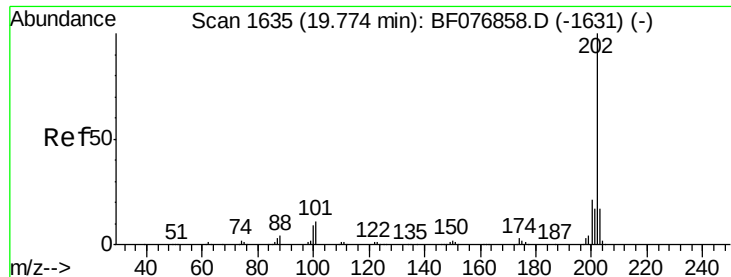


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.06 ng

RT: 19.57 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

Instrument :

BNA_F

ClientSampleId :

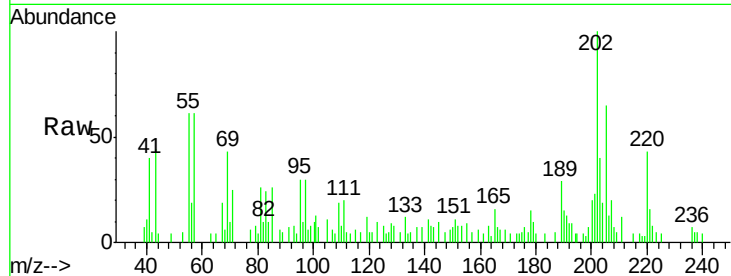
Tot Ion:202 Resp: 12701

Ion Ratio Lower Upper

202 100

200 20.1 16.7 25.1

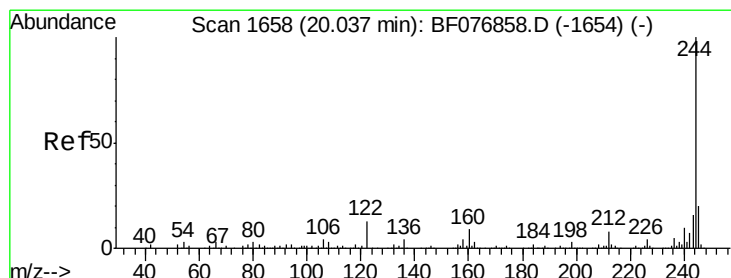
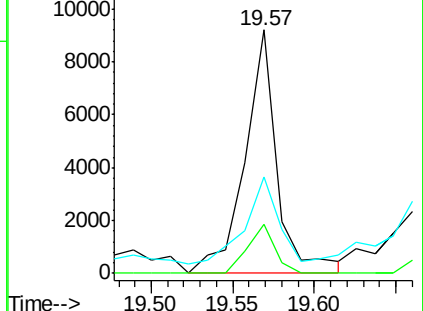
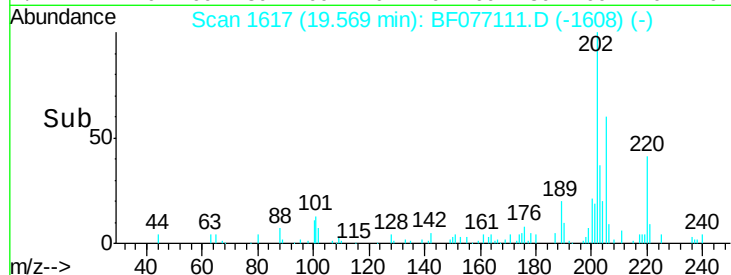
203 39.6 14.0 21.0#



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: 2.23 ng

RT: 19.84 min Scan# 1641

Delta R.T. -0.00 min

Lab File: BF077111.D

Acq: 28 Jan 2015 20:22

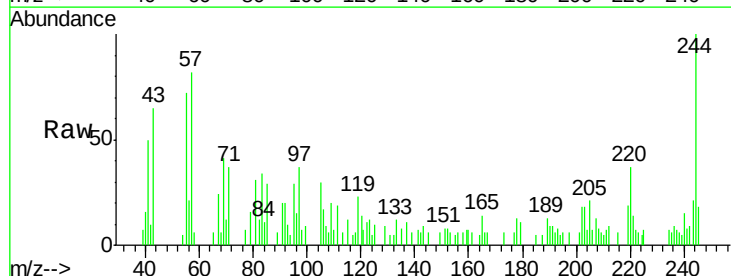
Tgt Ion:244 Resp: 8726

Ion Ratio Lower Upper

244 100

212 9.4 6.3 9.5

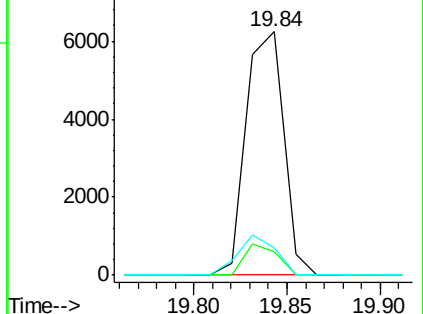
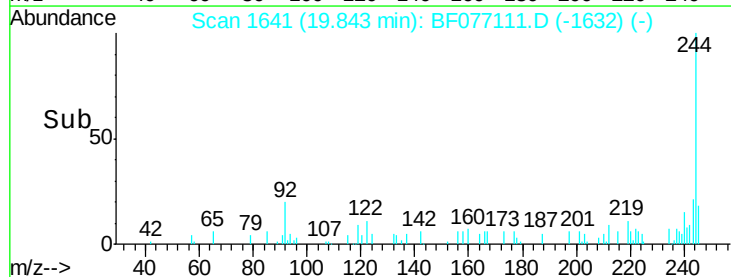
122 11.1 10.1 15.1

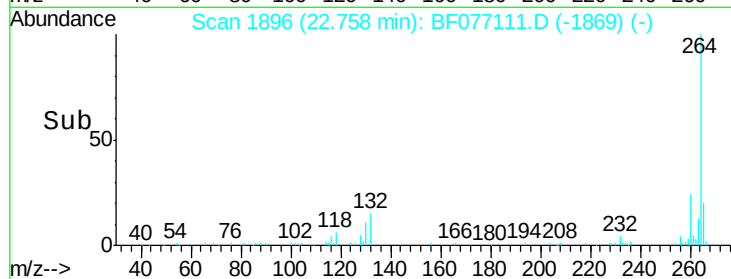
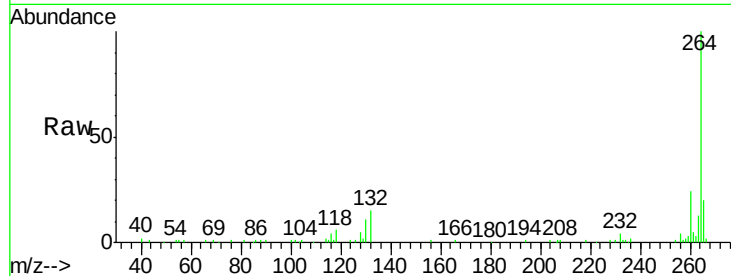
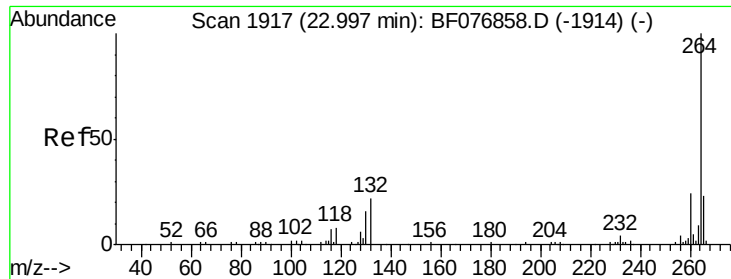


Abundance Ion 244.00 (243.70 to 244.70): E

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: 22.76 min Scan# 1896
 Delta R.T. 0.01 min
 Lab File: BF077111.D
 Acq: 28 Jan 2015 20:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	20.4	18.1	27.1

