

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030915\
 Data File : BF077653.D
 Acq On : 9 Mar 2015 22:24
 Operator : TP/IZ
 Sample : G1443-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-1RE

Quant Time: Mar 10 00:07:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 00:35:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.20	152	57409	20.00	ng	0.00
21) Naphthalene-d8	8.78	136	201168	20.00	ng	0.00
38) Acenaphthene-d10	10.96	164	99471	20.00	ng	0.02
63) Phenanthrene-d10	12.80	188	222982	20.00	ng	0.02
75) Chrysene-d12	16.07	240	240469	20.00	ng	0.01
86) Perylene-d12	17.78	264	246333	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	17620	5.12	ng	0.01
7) Phenol-d6	6.77	99	64870	14.67	ng	0.01
23) Nitrobenzene-d5	7.89	82	16283	5.03	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	10.12	172	241053	37.79	ng	0.00
78) Terphenyl-d14	14.79	244	267168	25.97	ng	0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.61	77	21825	8.13	ng	# 1
10) Phenol	6.78	94	11361	2.17	ng	# 9
15) Benzyl Alcohol	7.40	79	16055	4.78	ng	# 39
18) Hexachloroethane	7.86	117	144749	96.44	ng	# 1
19) n-Nitroso-di-n-propylamine	7.72	70	48501	17.27	ng	# 63
22) Acetophenone	7.69	105	177846	37.58	ng	# 49
24) Nitrobenzene	7.87	77	85598	25.15	ng	# 24
25) Isophorone	8.20	82	315149	49.10	ng	# 48
26) 2-Nitrophenol	8.33	139	17466	12.52	ng	# 1
27) 2,4-Dimethylphenol	8.34	122	14742	4.72	ng	# 1
28) bis(2-Chloroethoxy)methane	8.51	93	9241	2.28	ng	# 1
29) 2,4-Dichlorophenol	8.61	162	13258	4.53	ng	# 1
31) Naphthalene	8.80	128	636123	63.23	ng	# 99
32) Benzoic acid	8.51	122	11459	7.56	ng	# 1
35) Caprolactam	9.35	113	150953	168.78	ng	# 67
37) 2-Methylnaphthalene	9.67	142	1357184	189.97	ng	# 96
42) 2,4,6-Trichlorophenol	10.03	196	10141	5.37	ng	# 12
43) 2,4,5-Trichlorophenol	10.09	196	4876	2.41	ng	# 1
47) 2-Nitroaniline	10.40	65	9709	6.67	ng	# 11
48) Acenaphthylene	10.78	152	52837	5.65	ng	# 1
49) Dimethylphthalate	10.61	163	31798	4.55	ng	# 1
50) 2,6-Dinitrotoluene	10.69	165	16578	11.82	ng	# 18
51) Acenaphthene	10.99	154	56903	10.19	ng	# 79
52) 3-Nitroaniline	10.90	138	10869	6.72	ng	# 26
54) Dibenzofuran	11.21	168	99416	11.53	ng	# 1
55) 4-Nitrophenol	11.15	139	12186	9.37	ng	# 1
56) 2,4-Dinitrotoluene	11.22	165	49609	26.18	ng	# 60
57) Fluorene	11.63	166	222870	32.34	ng	# 60
59) Diethylphthalate	11.52	149	13846	2.01	ng	# 8
61) 4-Nitroaniline	11.60	138	4287	2.77	ng	# 90
62) Azobenzene	11.85	77	32276	4.94	ng	# 17
65) n-Nitrosodiphenylamine	11.79	169	374713	50.65	ng	# 43
66) 4-Bromophenyl-phenylether	12.25	248	6797	2.60	ng	# 1
70) Phenanthrene	12.83	178	664519	51.42	ng	# 94

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QLast Update : Tue Mar 10 00:35:08 2015
Response via : Initial Calibration

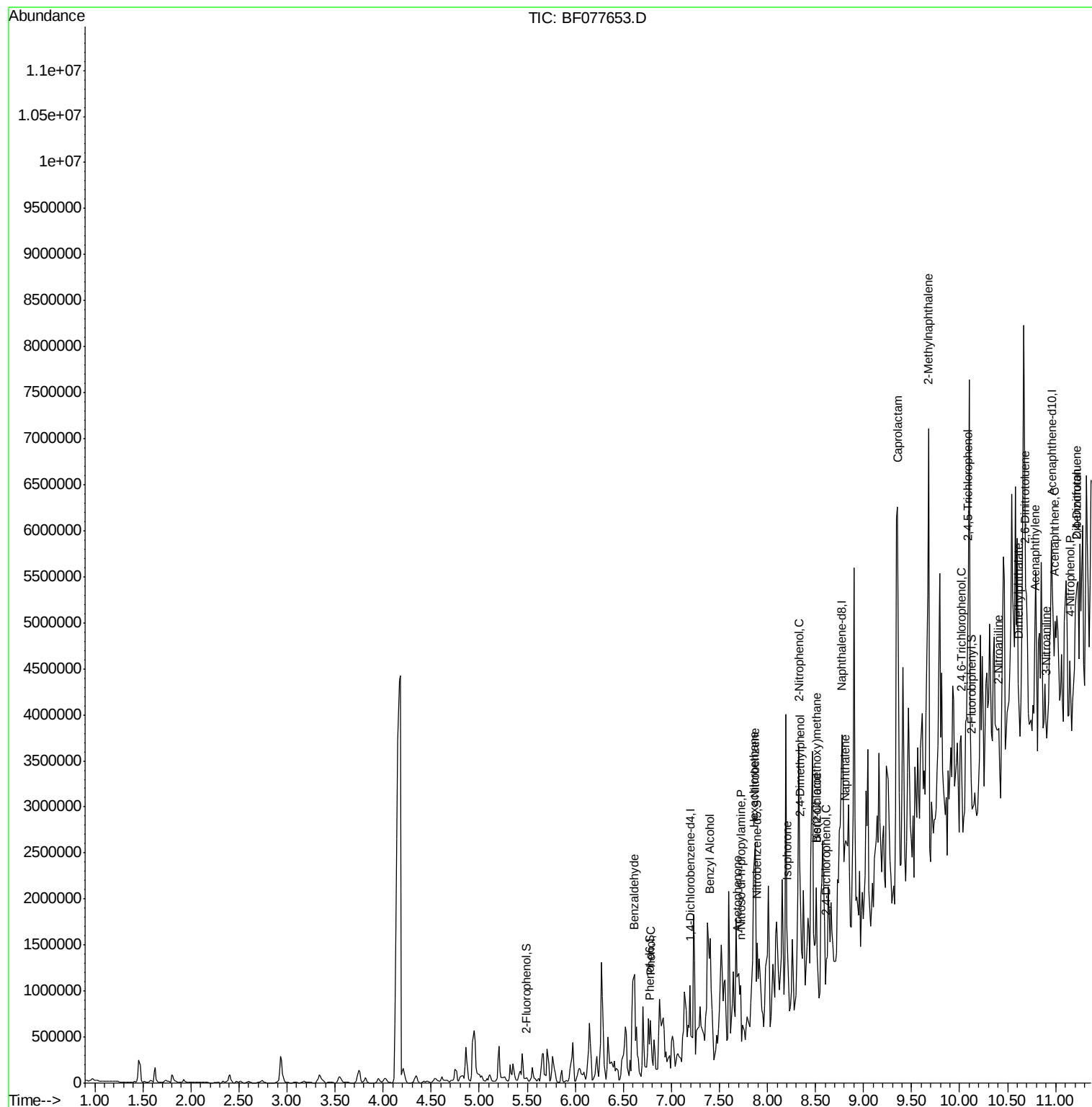
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	12.89	178	29253	2.28	ng	# 1
72) Carbazole	13.09	167	27205	2.23	ng	# 1
74) Fluoranthene	14.31	202	36849	2.61	ng	# 25
76) Benzidine	14.48	184	1113174	137.02	ng	97
77) Pyrene	14.57	202	61933	4.21	ng	# 1
80) Benzo(a)anthracene	16.09	228	48886	3.47	ng	# 50
82) Chrysene	16.09	228	49250	3.72	ng	# 57

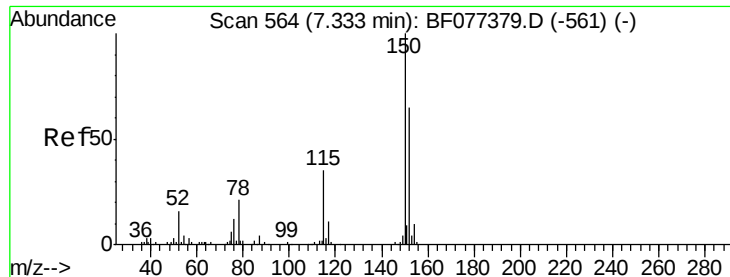
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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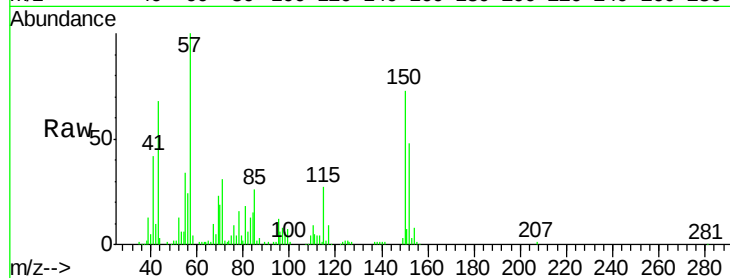


#1

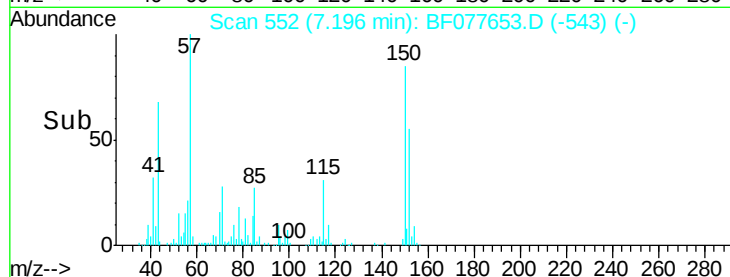
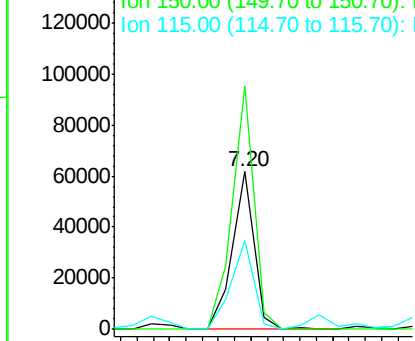
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.20 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Instrument :
BNA_F
ClientSampleId :
TW-1RE

Tgt Ion:152 Resp: 57409
Ion Ratio Lower Upper
152 100
150 154.6 124.0 186.0
115 56.2 49.4 74.2



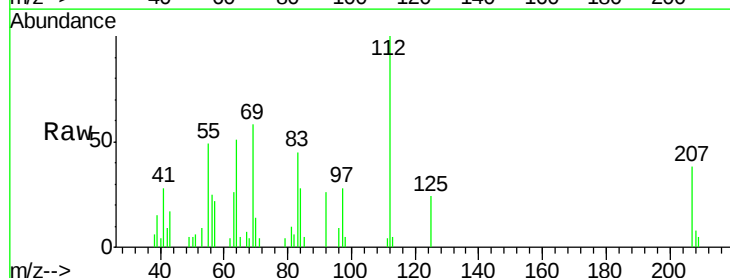
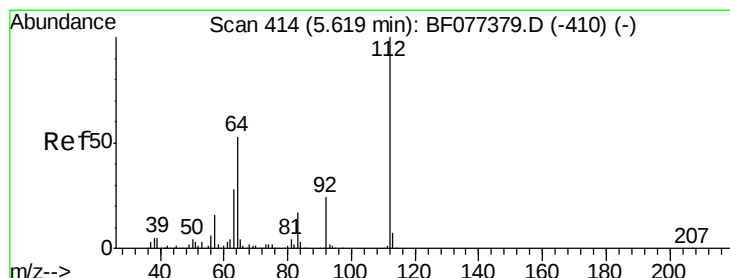
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



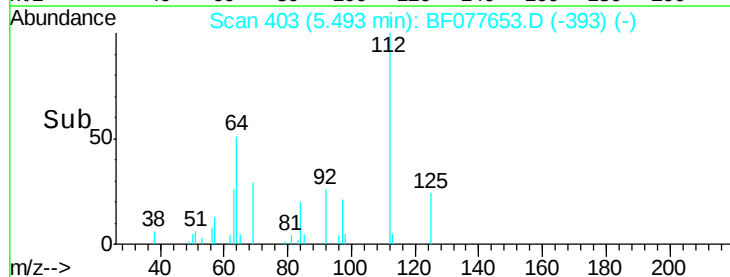
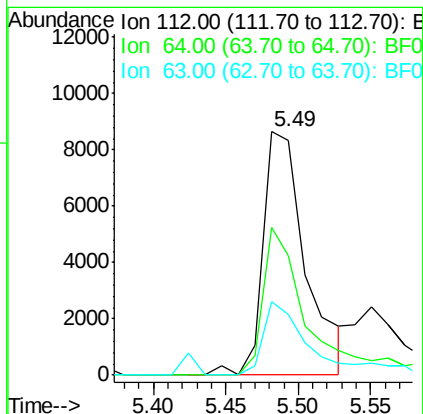
#5

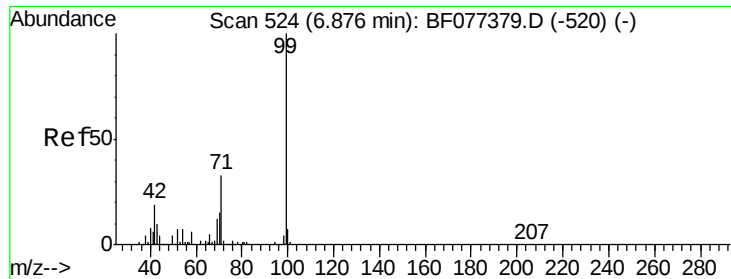
2-Fluorophenol
Concen: 5.12 ng
RT: 5.49 min Scan# 403
Delta R.T. 0.01 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion:112 Resp: 17620
Ion Ratio Lower Upper
112 100
64 50.7 48.5 72.7
63 25.6 25.0 37.4



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: 14.67 ng

RT: 6.77 min Scan# 515

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

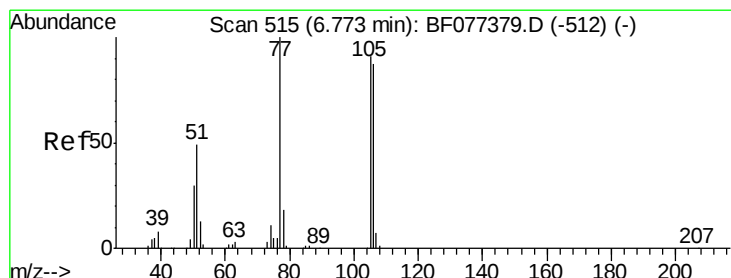
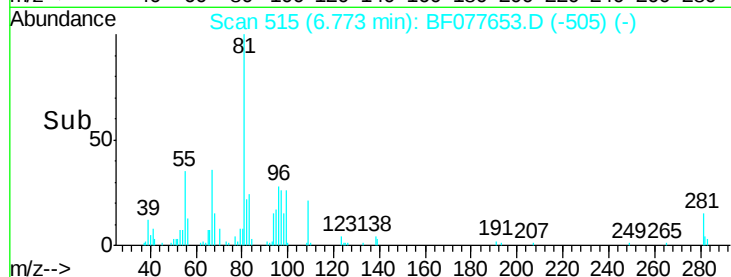
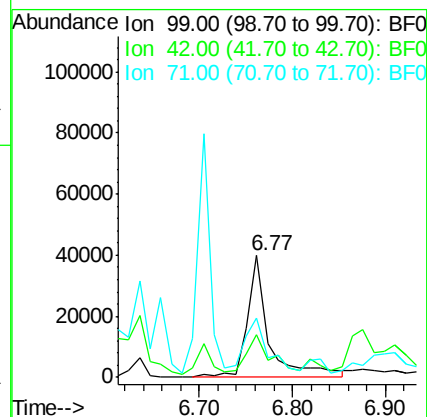
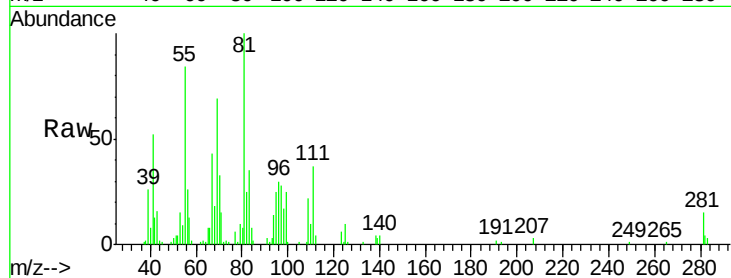
Tgt Ion: 99 Resp: 64870

Ion Ratio Lower Upper

99 100

42 50.2 16.2 24.4#

71 59.1 26.7 40.1#



#9

Benzaldehyde

Concen: 8.13 ng

RT: 6.61 min Scan# 501

Delta R.T. -0.03 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

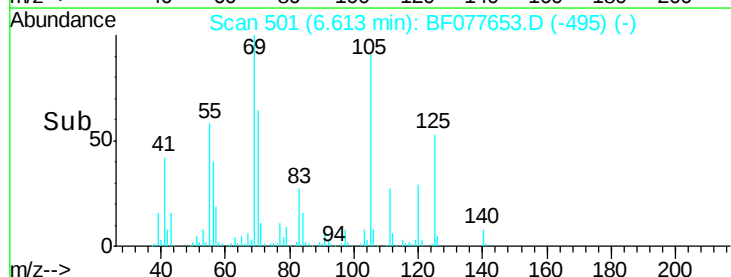
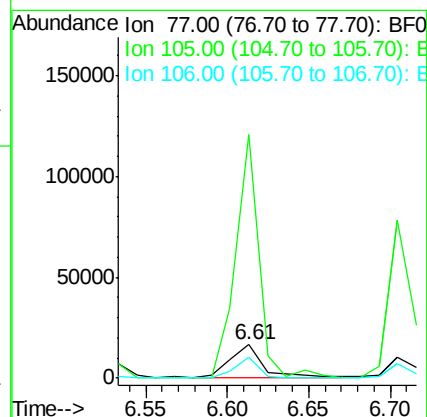
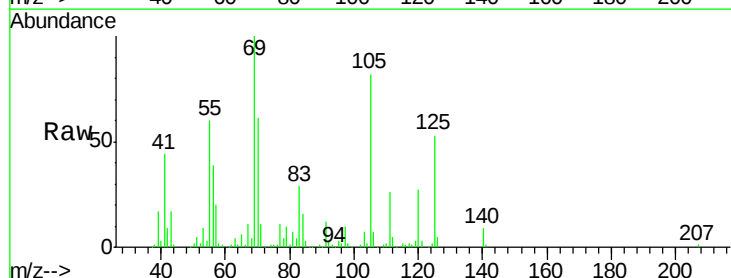
Tgt Ion: 77 Resp: 21825

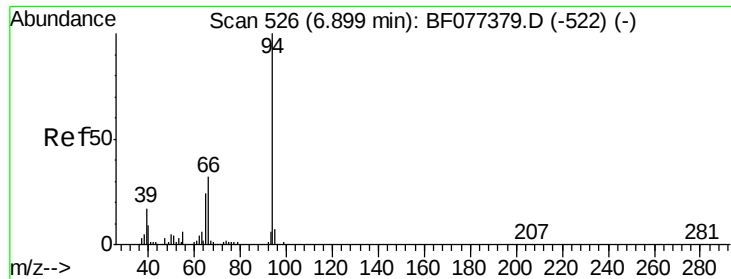
Ion Ratio Lower Upper

77 100

105 728.7 85.9 125.9#

106 63.1 82.9 122.9#





#10

Phenol

Concen: 2.17 ng

RT: 6.78 min Scan# 516

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

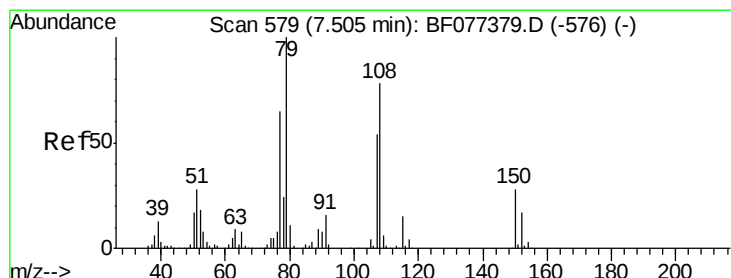
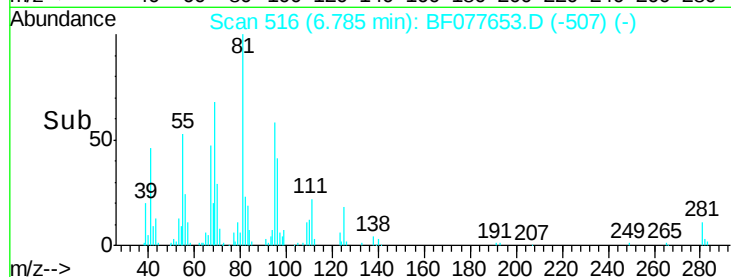
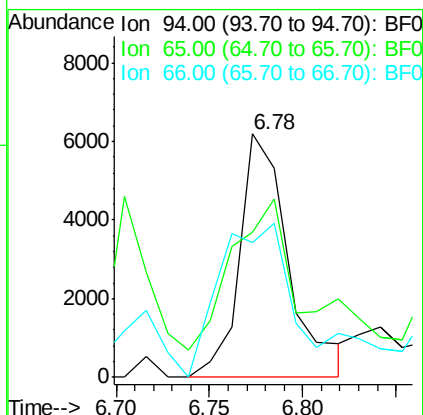
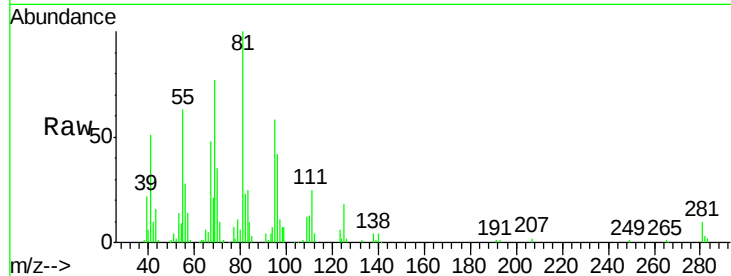
Tgt Ion: 94 Resp: 11361

Ion Ratio Lower Upper

94 100

65 85.2 5.7 45.7#

66 73.9 13.6 53.6#



#15

Benzyl Alcohol

Concen: 4.78 ng

RT: 7.40 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

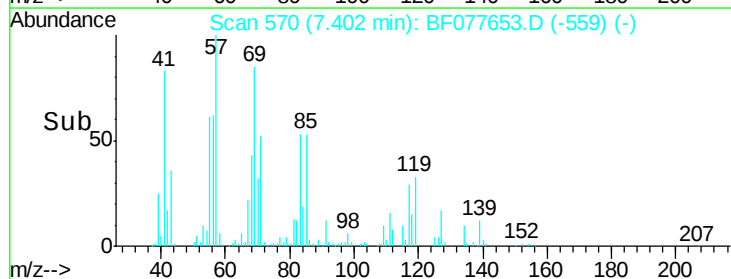
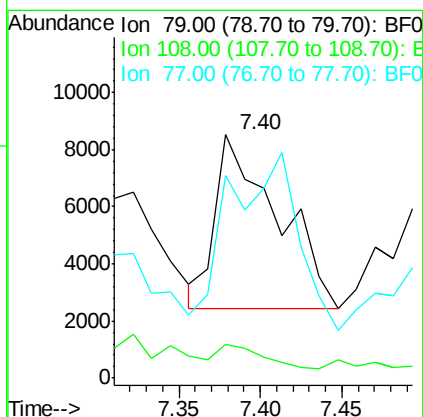
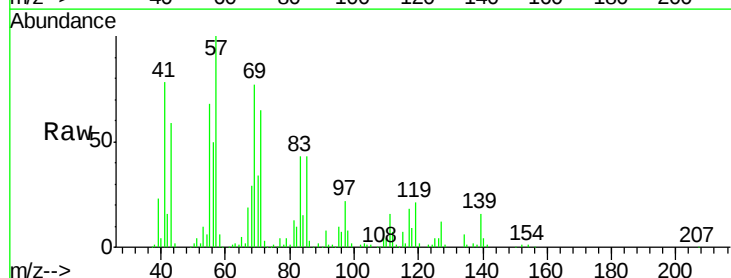
Tgt Ion: 79 Resp: 16055

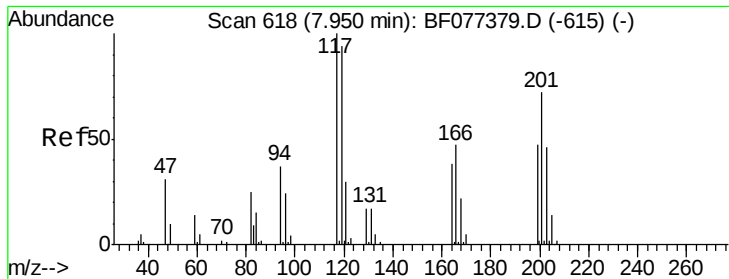
Ion Ratio Lower Upper

79 100

108 10.8 58.3 87.5#

77 100.4 51.3 76.9#

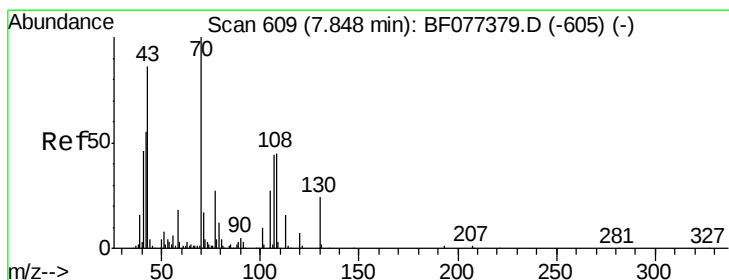
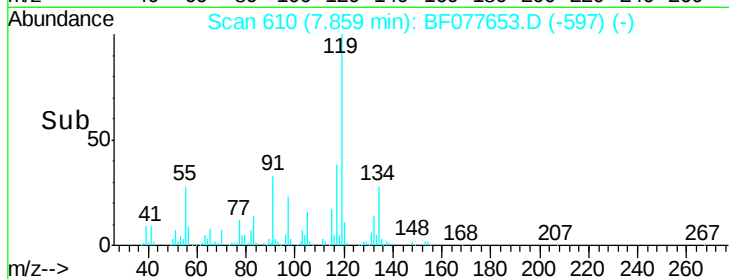
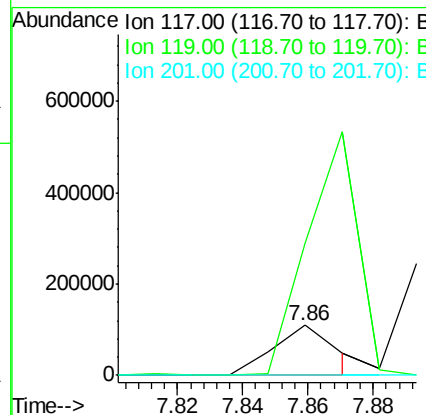
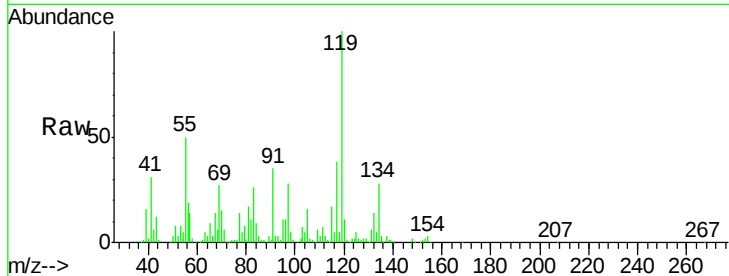




#18
Hexachloroethane
Concen: 96.44 ng
RT: 7.86 min Scan# 610
Delta R.T. 0.04 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

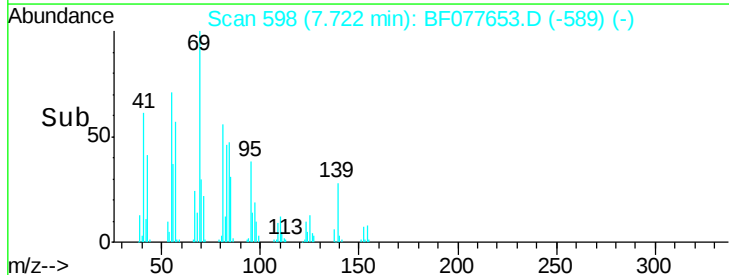
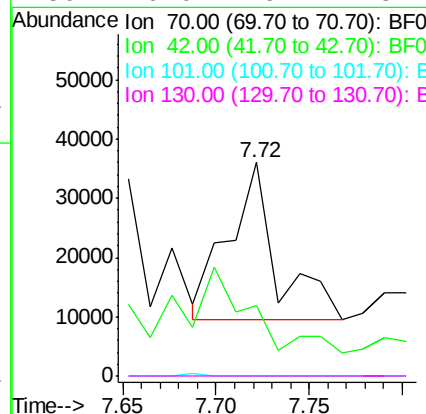
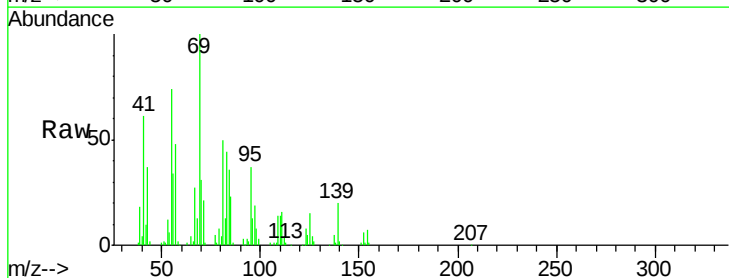
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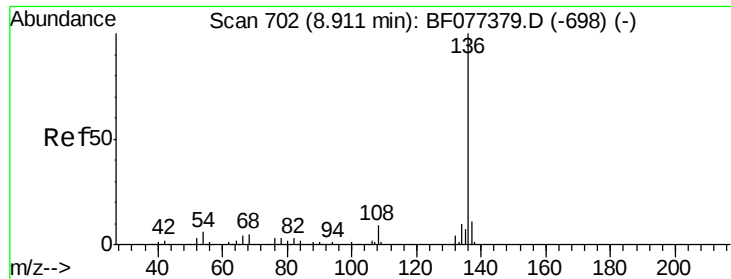
Tgt Ion:117 Resp: 144749
Ion Ratio Lower Upper
117 100
119 262.1 77.8 116.8#
201 0.0 90.6 136.0#



#19
n-Nitroso-di-n-propylamine
Concen: 17.27 ng
RT: 7.72 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion: 70 Resp: 48501
Ion Ratio Lower Upper
70 100
42 32.8 48.3 72.5#
101 0.0 7.5 11.3#
130 0.0 16.7 25.1#

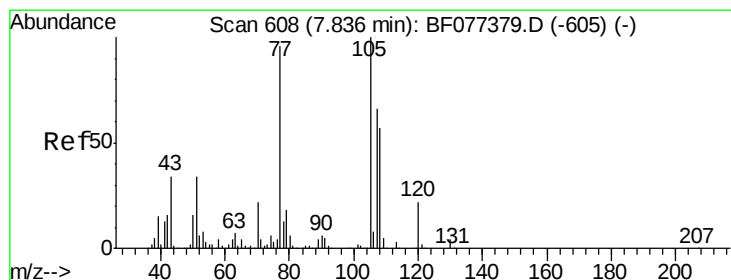
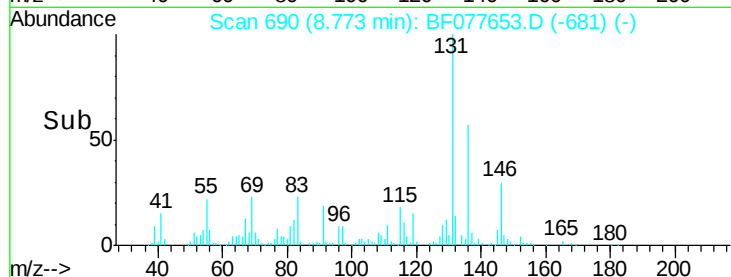
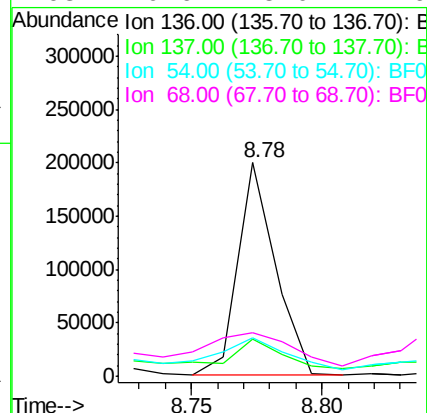
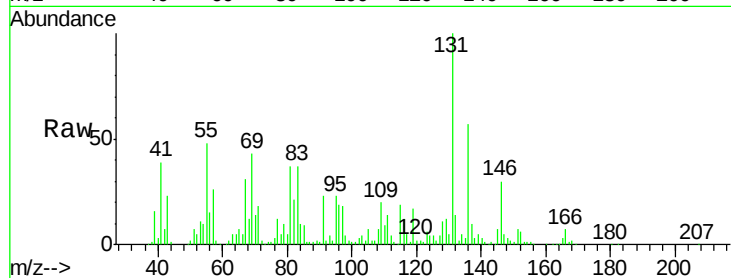




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.78 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

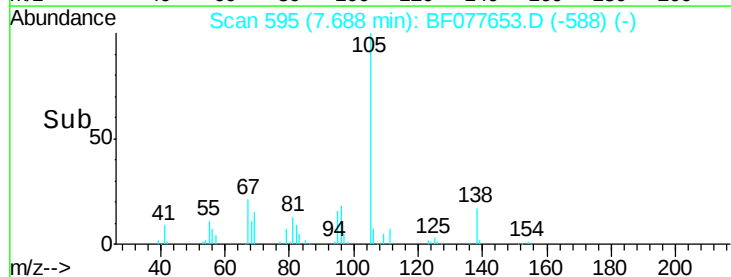
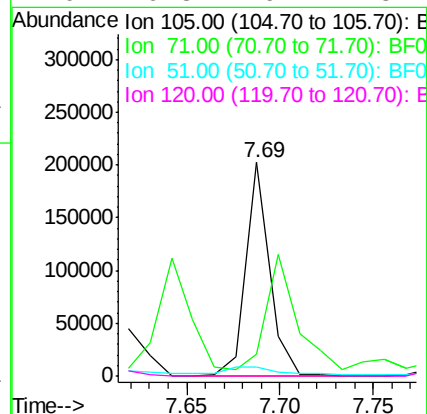
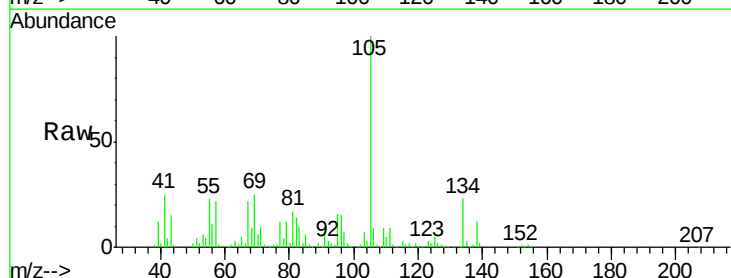
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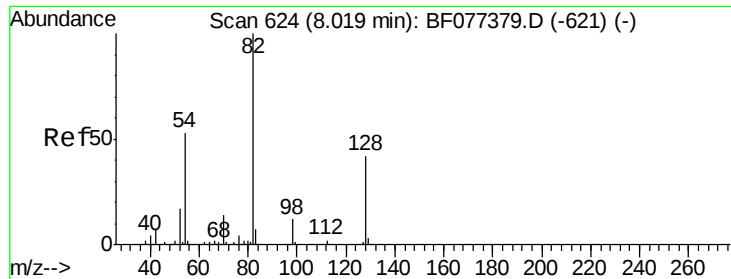
Tgt Ion:	136	Resp:	201168
Ion	Ratio	Lower	Upper
136	100		
137	17.4	8.6	13.0#
54	17.7	6.2	9.4#
68	20.6	5.0	7.6#



#22
Acetophenone
Concen: 37.58 ng
RT: 7.69 min Scan# 595
Delta R.T. -0.02 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion:	105	Resp:	177846
Ion	Ratio	Lower	Upper
105	100		
71	10.3	1.7	2.5#
51	4.5	30.7	46.1#
120	0.3	16.7	25.1#

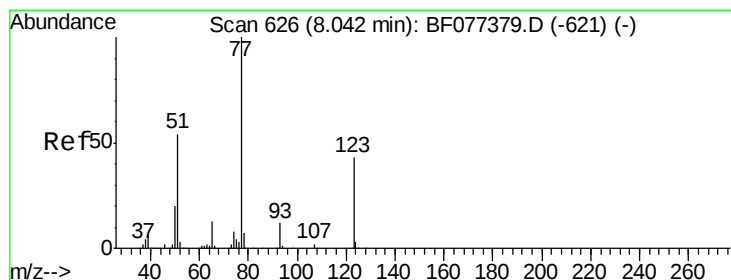
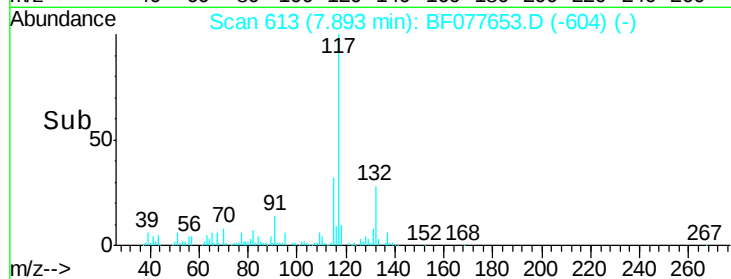
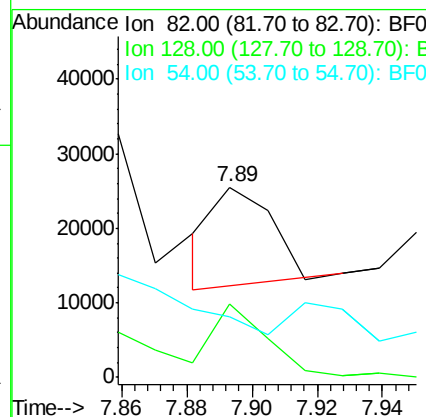
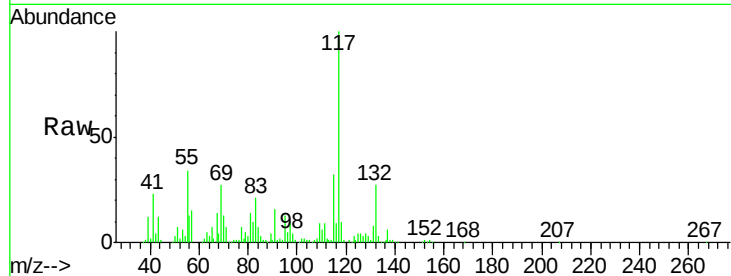




#23
 Nitrobenzene-d5
 Concen: 5.03 ng
 RT: 7.89 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: BF077653.D
 Acq: 9 Mar 2015 22:24

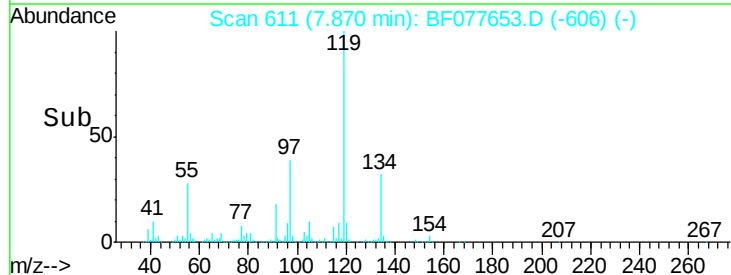
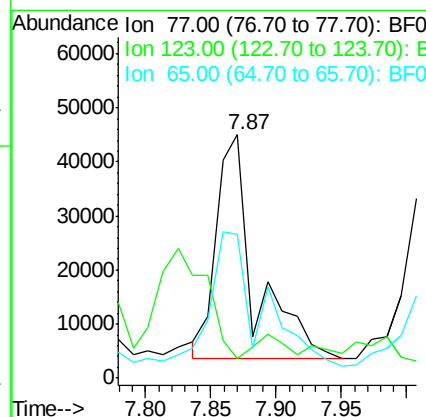
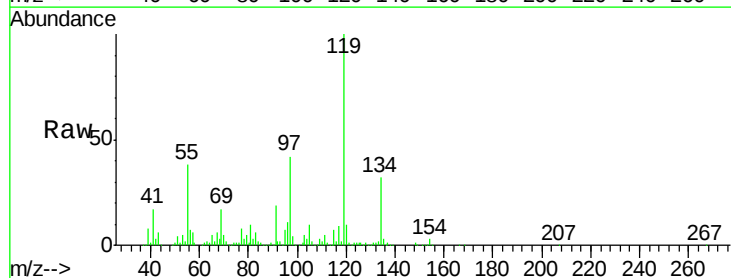
Instrument :
 BNA_F
 ClientSampled :
 TW-1RE

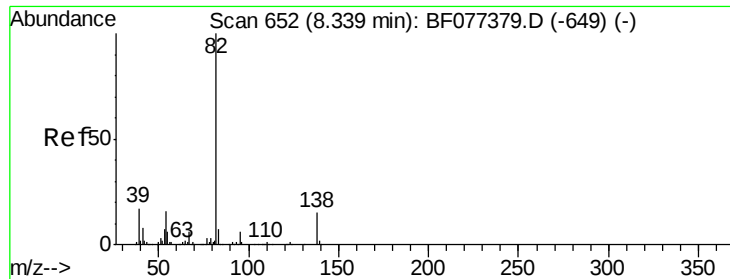
Tgt Ion: 82 Resp: 16283
 Ion Ratio Lower Upper
 82 100
 128 38.3 43.8 65.8#
 54 31.6 36.7 55.1#



#24
 Nitrobenzene
 Concen: 25.15 ng
 RT: 7.87 min Scan# 611
 Delta R.T. -0.04 min
 Lab File: BF077653.D
 Acq: 9 Mar 2015 22:24

Tgt Ion: 77 Resp: 85598
 Ion Ratio Lower Upper
 77 100
 123 8.3 45.9 68.9#
 65 58.9 9.5 14.3#





#25

Isophorone

Concen: 49.10 ng

RT: 8.20 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

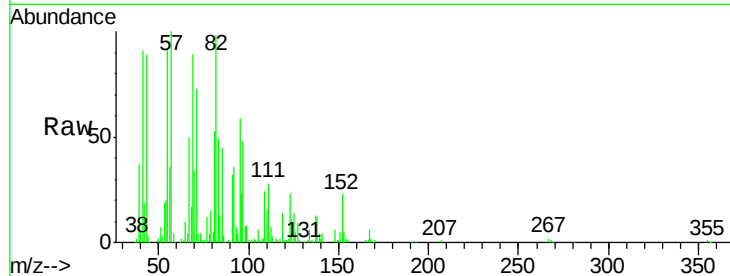
Tgt Ion: 82 Resp: 315149

Ion Ratio Lower Upper

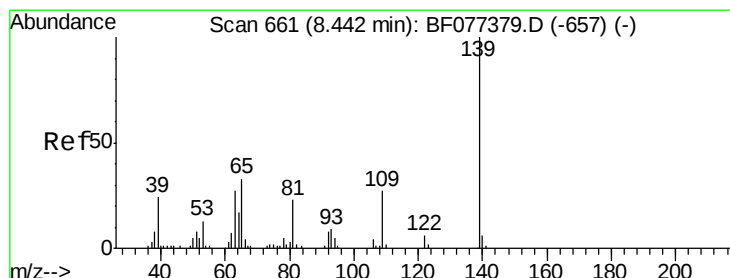
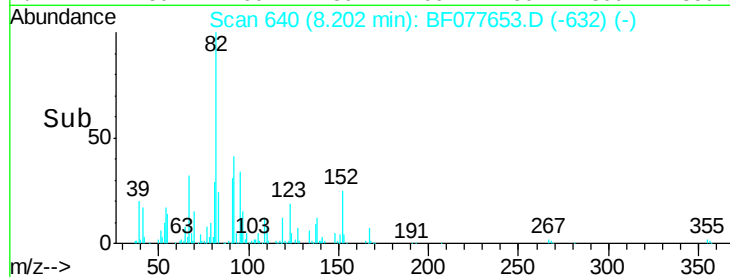
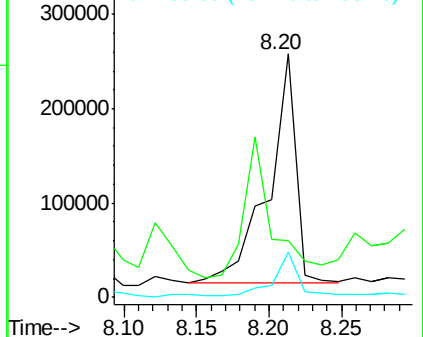
82 100

95 59.6 5.4 8.2#

138 12.0 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 12.52 ng

RT: 8.33 min Scan# 652

Delta R.T. 0.03 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

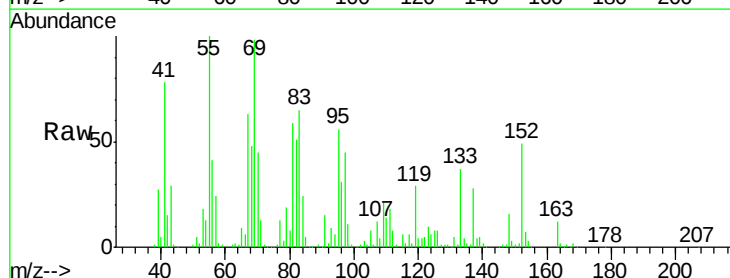
Tgt Ion: 139 Resp: 17466

Ion Ratio Lower Upper

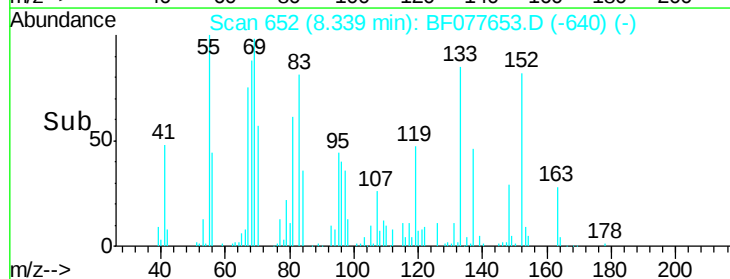
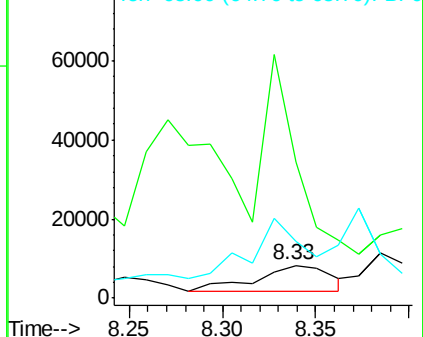
139 100

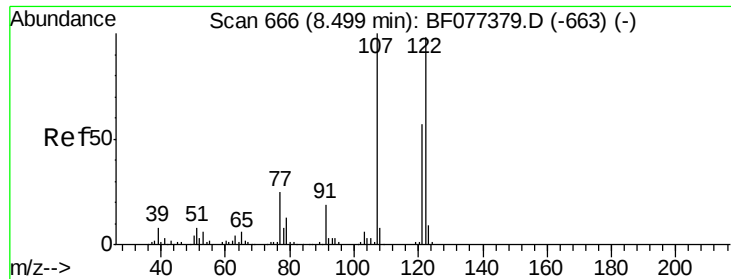
109 413.7 22.6 34.0#

65 174.0 36.4 54.6#



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

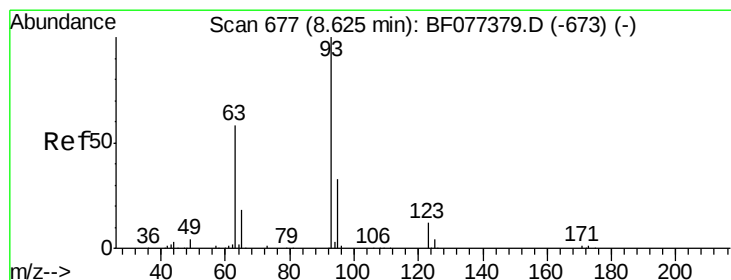
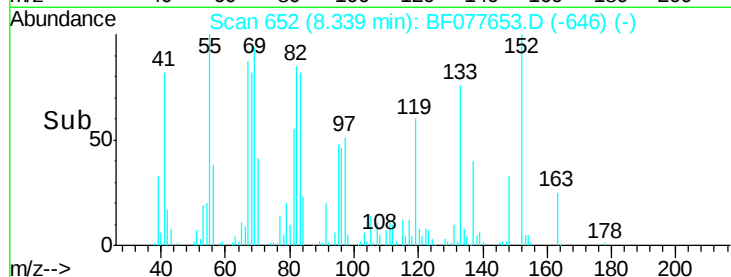
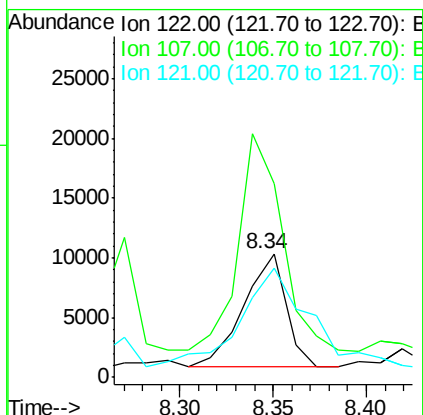
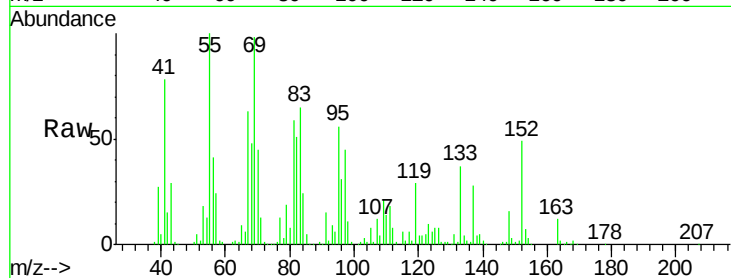




#27
 2,4-Dimethylphenol
 Concen: 4.72 ng
 RT: 8.34 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF077653.D
 Acq: 9 Mar 2015 22:24

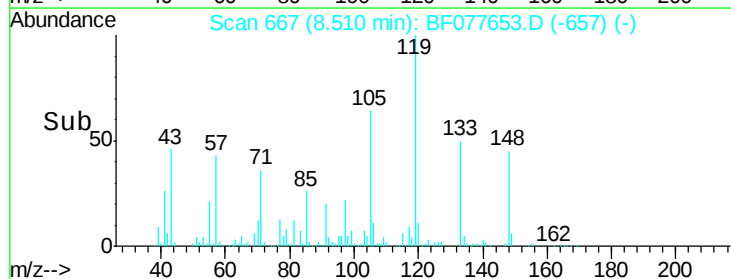
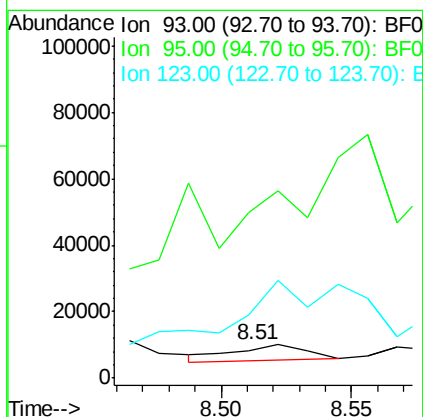
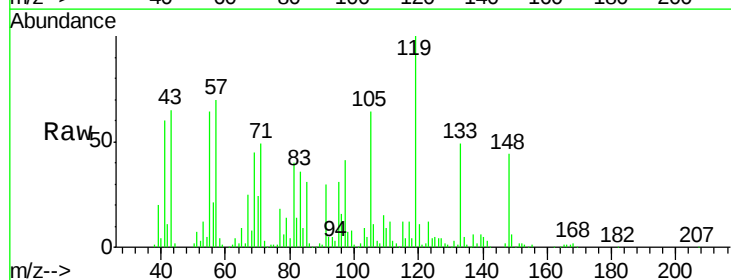
Instrument :
 BNA_F
 ClientSampleId :
 TW-1RE

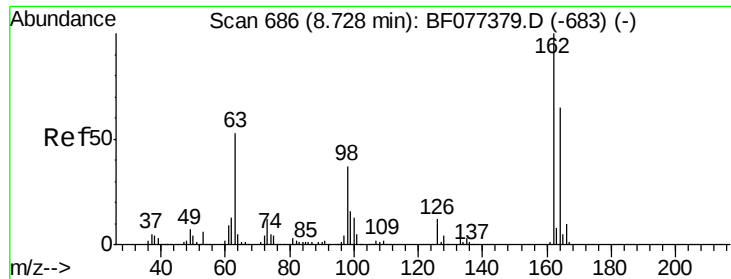
Tgt Ion: 122 Resp: 14742
 Ion Ratio Lower Upper
 122 100
 107 266.7 86.6 130.0#
 121 86.9 47.4 71.0#



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.28 ng
 RT: 8.51 min Scan# 667
 Delta R.T. 0.02 min
 Lab File: BF077653.D
 Acq: 9 Mar 2015 22:24

Tgt Ion: 93 Resp: 9241
 Ion Ratio Lower Upper
 93 100
 95 599.7 26.4 39.6#
 123 227.8 8.7 13.1#

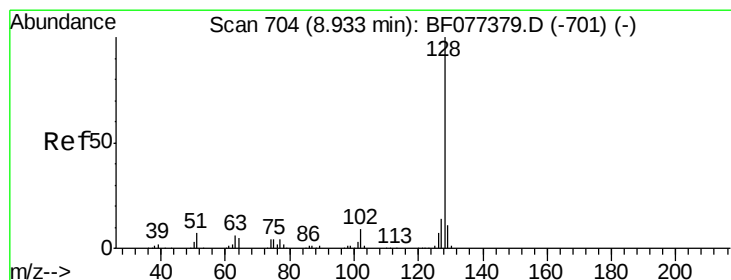
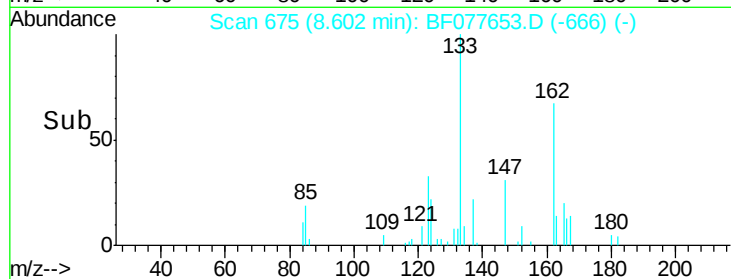
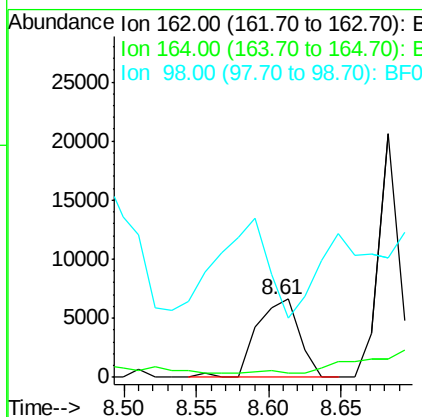
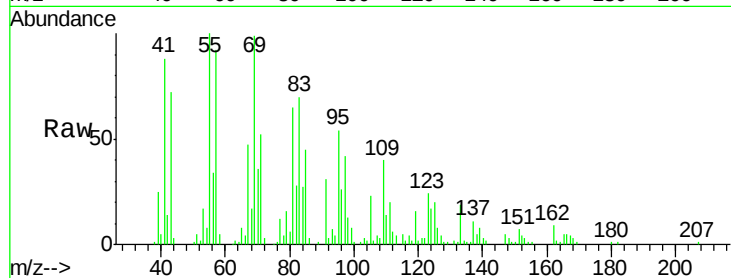




#29
2,4-Dichlorophenol
Concen: 4.53 ng
RT: 8.61 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

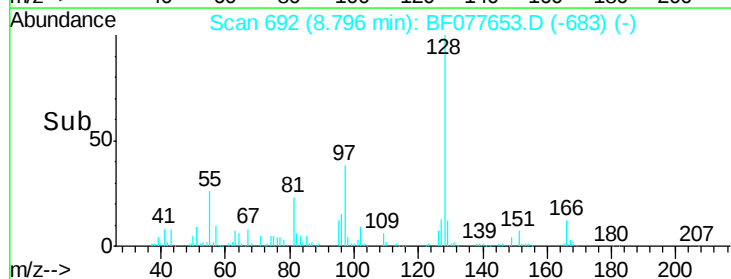
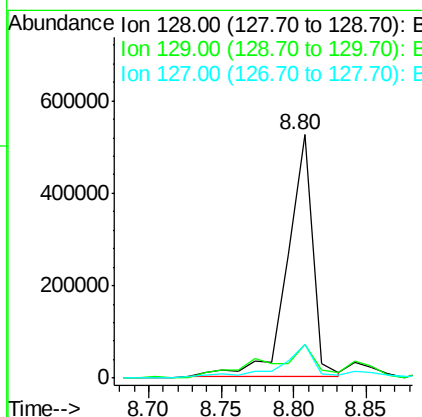
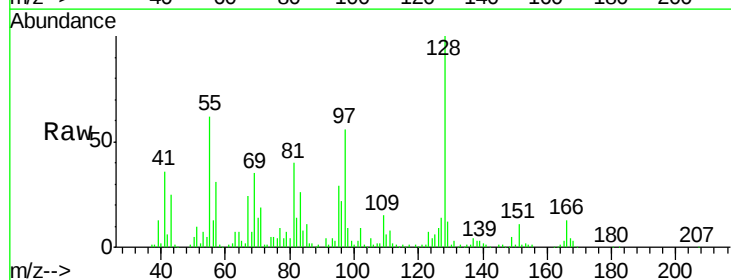
Instrument :
BNA_F
ClientSampleId :
TW-1RE

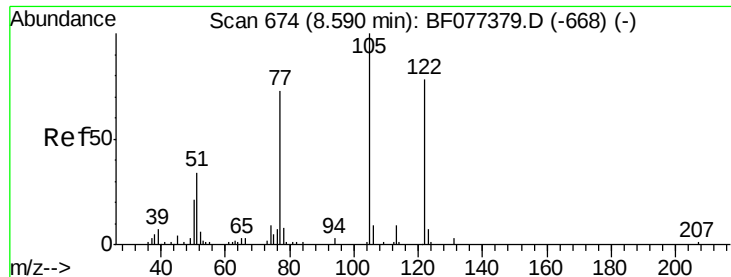
Tgt Ion:162 Resp: 13258
Ion Ratio Lower Upper
162 100
164 10.6 46.4 86.4#
98 147.1 6.9 46.9#



#31
Naphthalene
Concen: 63.23 ng
RT: 8.80 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion:128 Resp: 636123
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.0
127 13.8 10.6 15.8

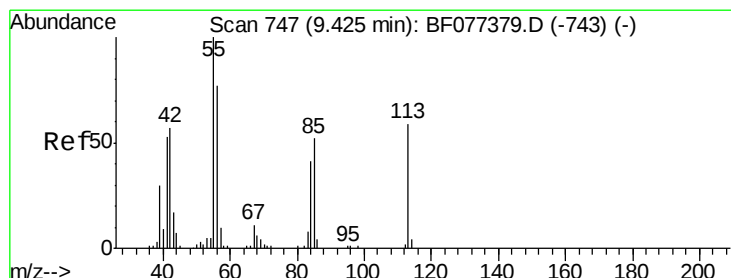
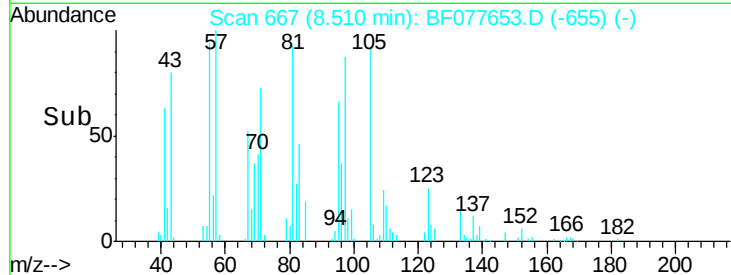
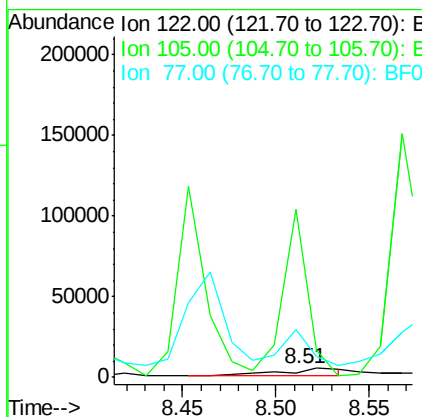
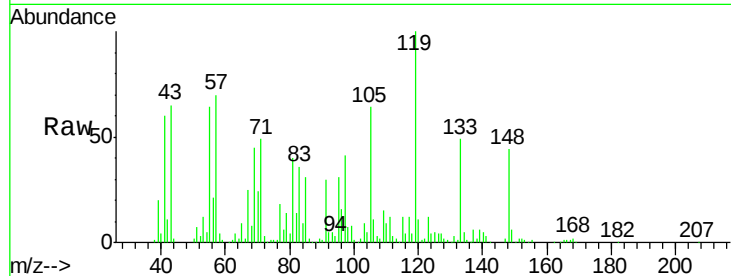




#32
Benzoic acid
Concen: 7.56 ng
RT: 8.51 min Scan# 667
Delta R.T. 0.04 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

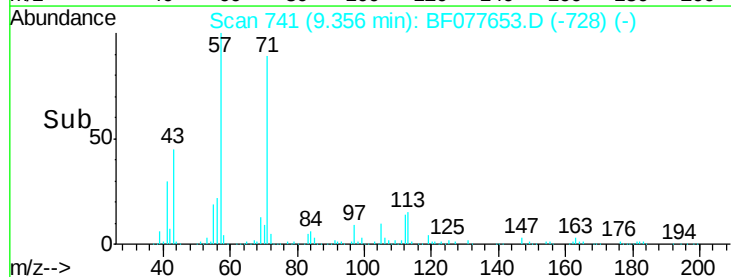
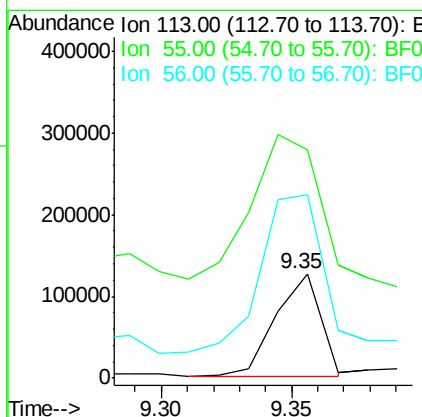
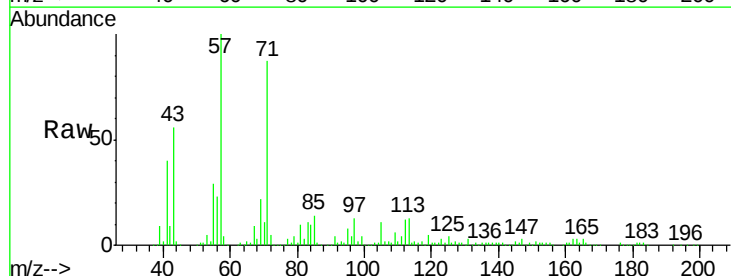
Instrument :
BNA_F
ClientSampleId :
TW-1RE

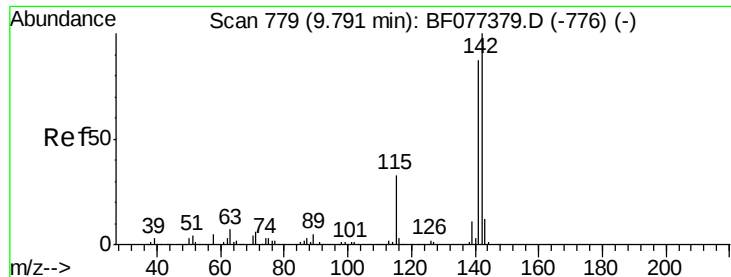
Tgt Ion:122 Resp: 11459
Ion Ratio Lower Upper
122 100
105 3496.4 100.3 140.3#
77 990.5 68.7 108.7#



#35
Caprolactam
Concen: 168.78 ng
RT: 9.35 min Scan# 741
Delta R.T. 0.05 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion:113 Resp: 150953
Ion Ratio Lower Upper
113 100
55 218.7 154.6 194.6#
56 176.1 114.0 154.0#

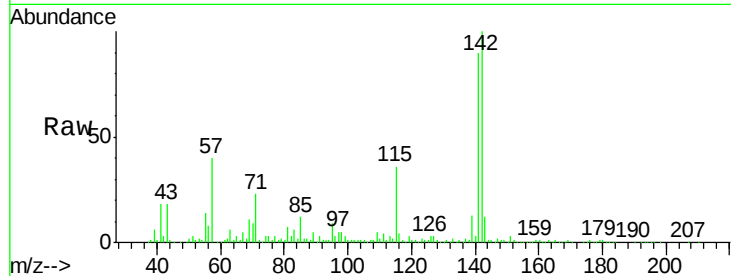




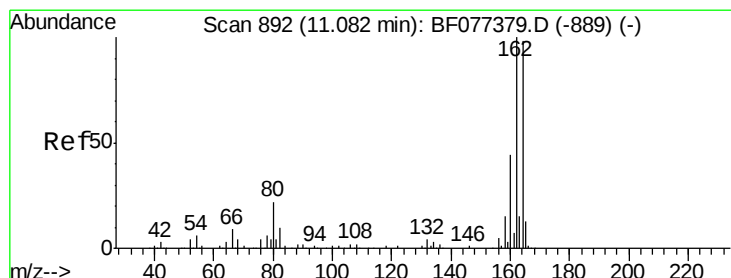
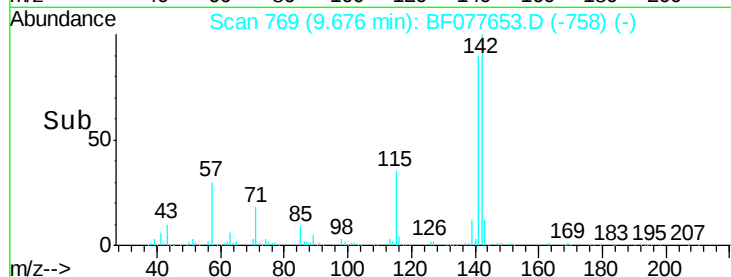
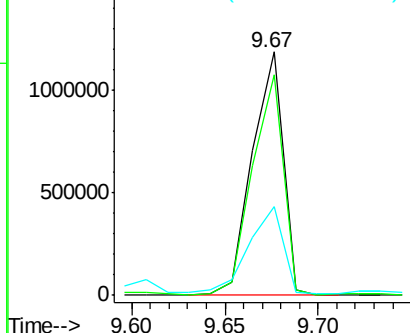
#37
2-Methylnaphthalene
Concen: 189.97 ng
RT: 9.67 min Scan# 769
Delta R.T. 0.02 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Instrument :
BNA_F
ClientSampleId :
TW-1RE

Tgt Ion:142 Resp: 1357184
Ion Ratio Lower Upper
142 100
141 90.4 70.7 106.1
115 36.3 24.2 36.4

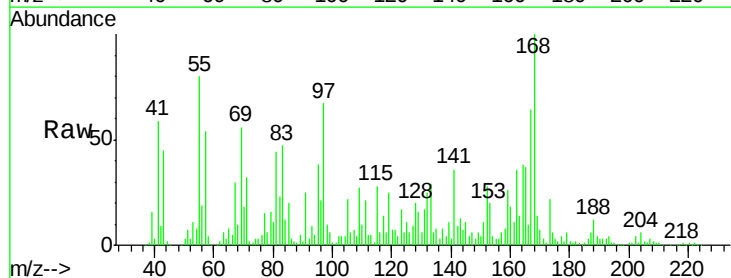


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

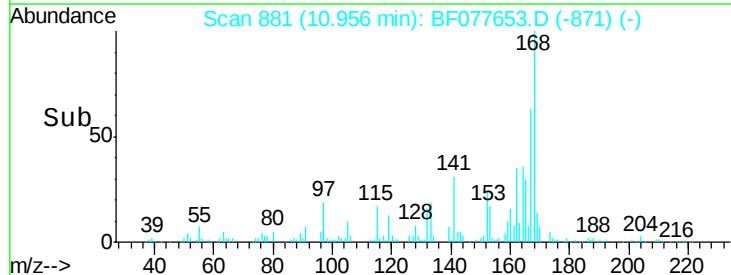
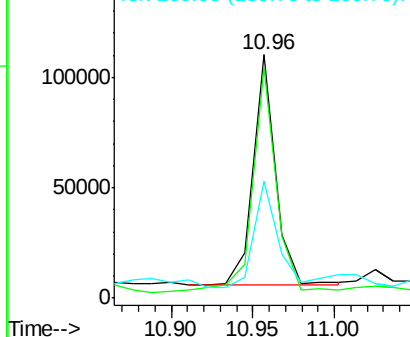


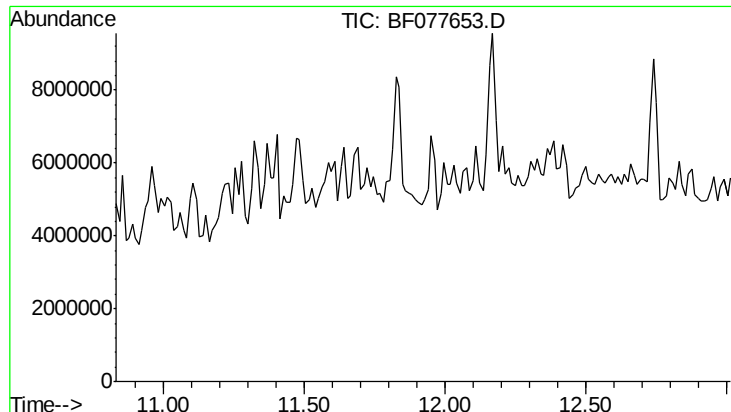
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.96 min Scan# 881
Delta R.T. 0.02 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion:164 Resp: 99471
Ion Ratio Lower Upper
164 100
162 94.6 83.2 124.8
160 48.2 34.6 52.0



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



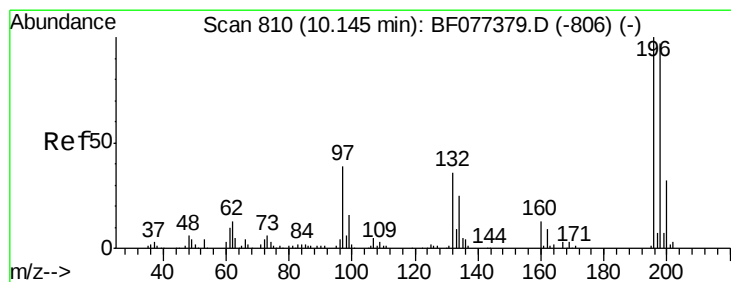
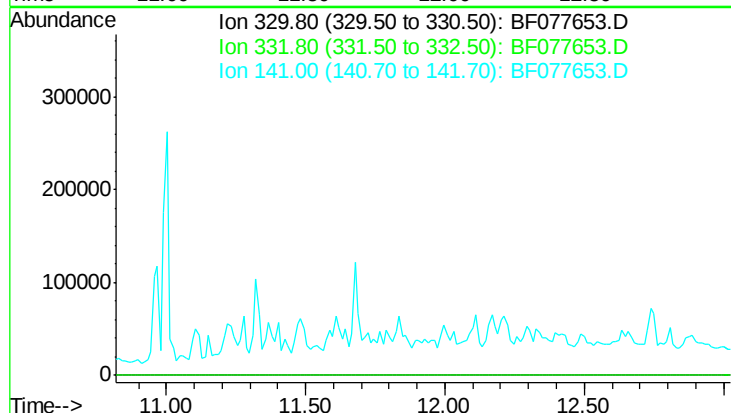


#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.92 min
 Lab File: BF077653.D
 Acq: 9 Mar 2015 22:24

Instrument :
 BNA_F
 ClientSampleId :
 TW-1RE

Tgt Ion: 330

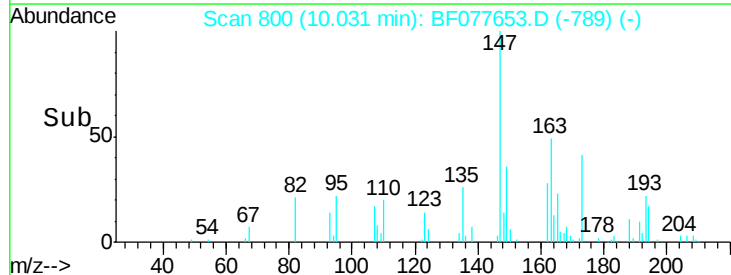
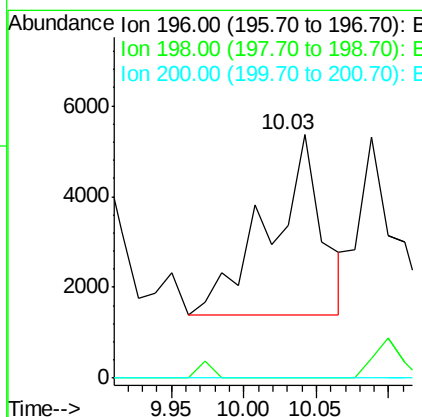
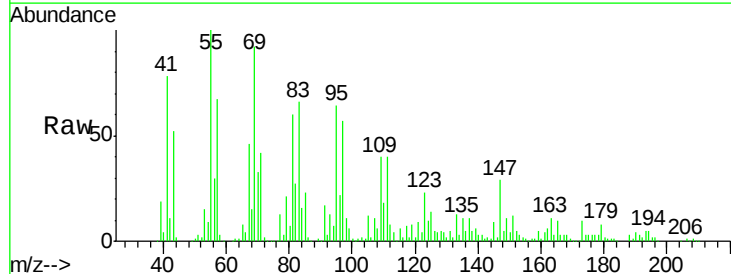
Sig	Exp Ratio
330	100
332	96.8
141	36.0

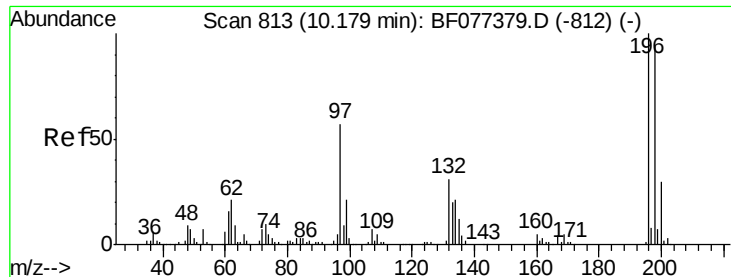


#42
 2,4,6-Trichlorophenol
 Concen: 5.37 ng
 RT: 10.03 min Scan# 800
 Delta R.T. 0.02 min
 Lab File: BF077653.D
 Acq: 9 Mar 2015 22:24

Tgt Ion: 196 Resp: 10141

Ion	Ratio	Lower	Upper
196	100		
198	0.0	75.8	113.8#
200	0.0	24.2	36.4#

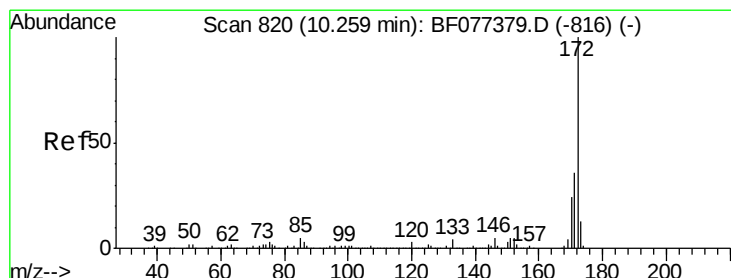
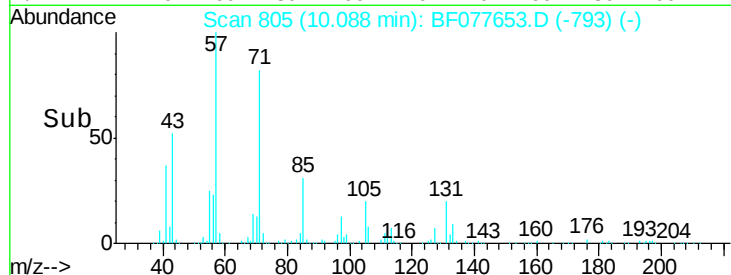
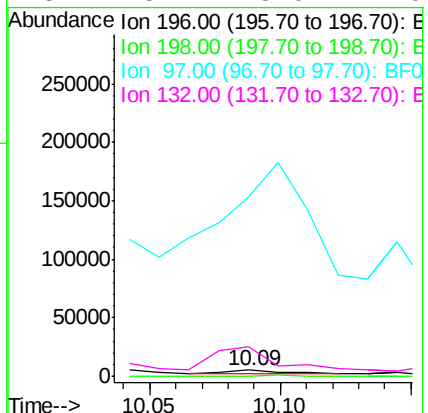
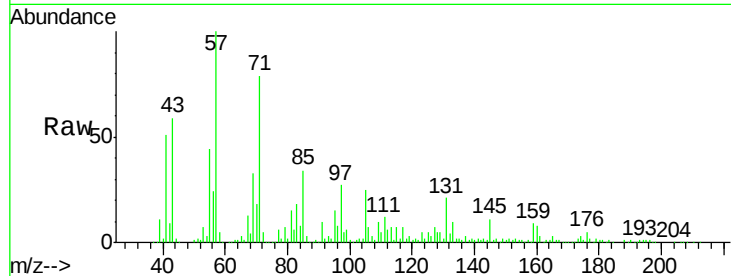




#43
2,4,5-Trichlorophenol
Concen: 2.41 ng
RT: 10.09 min Scan# 805
Delta R.T. 0.04 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

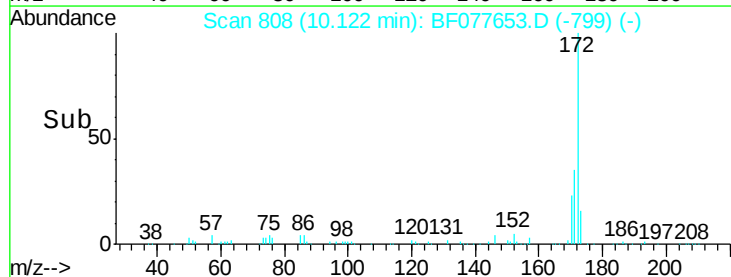
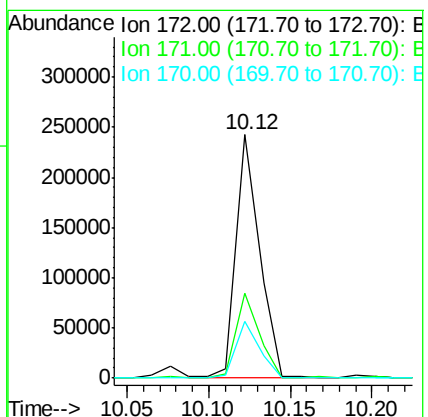
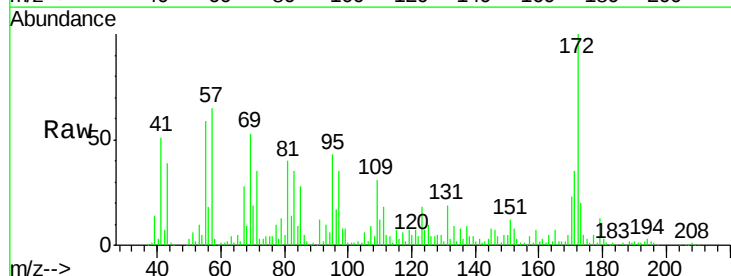
Instrument :
BNA_F
ClientSampleId :
TW-1RE

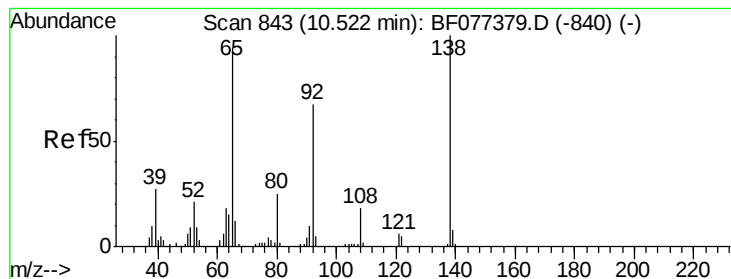
Tgt Ion:196 Resp: 4876
Ion Ratio Lower Upper
196 100
198 8.4 77.2 115.8#
97 2885.5 27.7 41.5#
132 478.7 18.0 27.0#



#44
2-Fluorobiphenyl
Concen: 37.79 ng
RT: 10.12 min Scan# 808
Delta R.T. 0.01 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion:172 Resp: 241053
Ion Ratio Lower Upper
172 100
171 34.9 28.9 43.3
170 23.3 19.4 29.2





#47

2-Nitroaniline

Concen: 6.67 ng

RT: 10.40 min Scan# 833

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

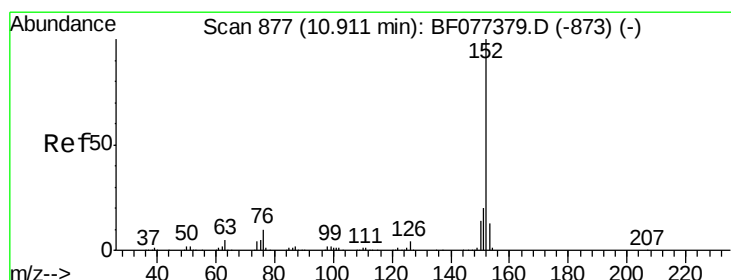
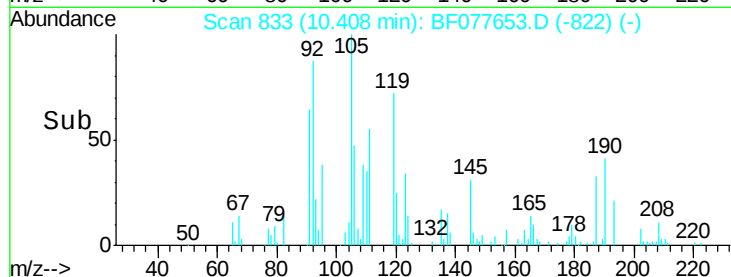
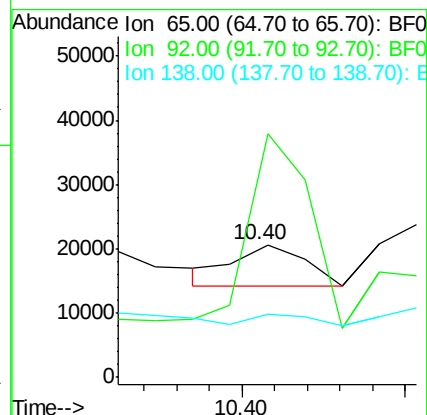
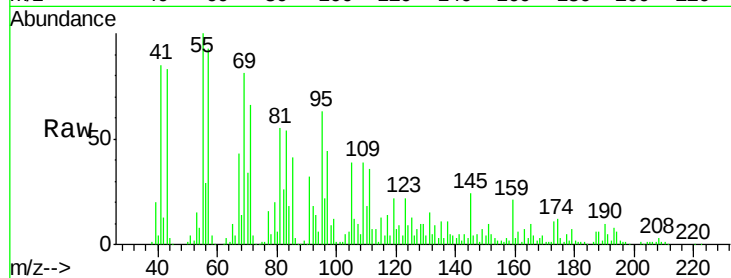
Tgt Ion: 65 Resp: 9709

Ion Ratio Lower Upper

65 100

92 183.8 52.4 78.6#

138 48.0 73.4 110.0#



#48

Acenaphthylene

Concen: 5.65 ng

RT: 10.78 min Scan# 866

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

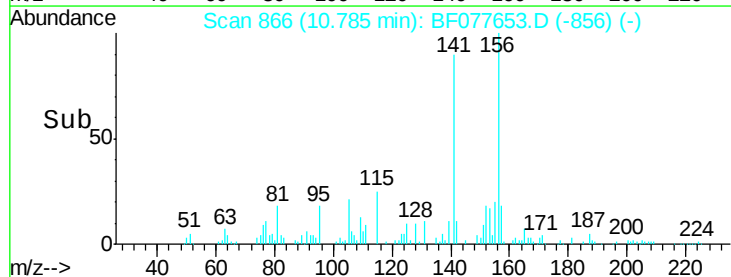
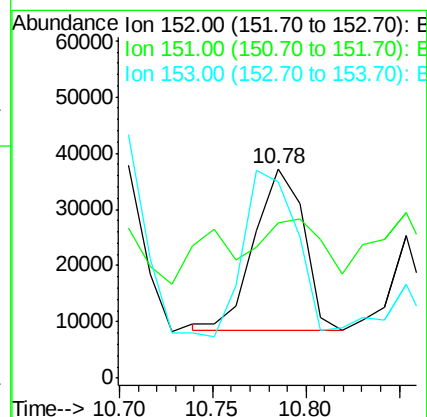
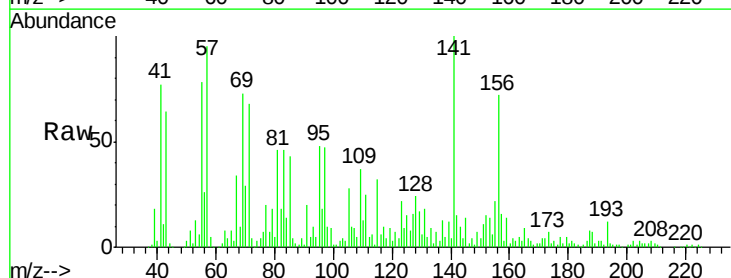
Tgt Ion: 152 Resp: 52837

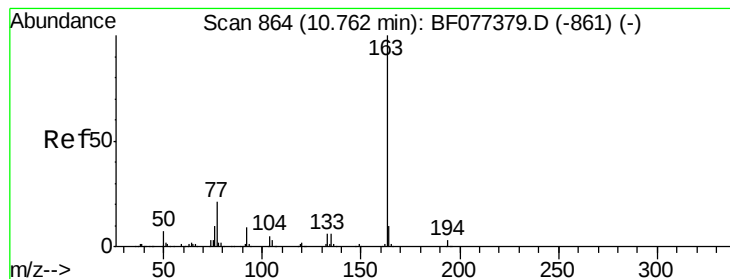
Ion Ratio Lower Upper

152 100

151 73.8 16.1 24.1#

153 93.8 10.9 16.3#





#49

Dimethylphthalate

Concen: 4.55 ng

RT: 10.61 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

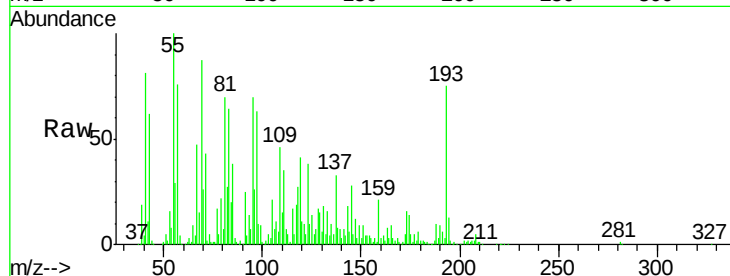
Tgt Ion:163 Resp: 31798

Ion Ratio Lower Upper

163 100

194 165.7 2.6 4.0#

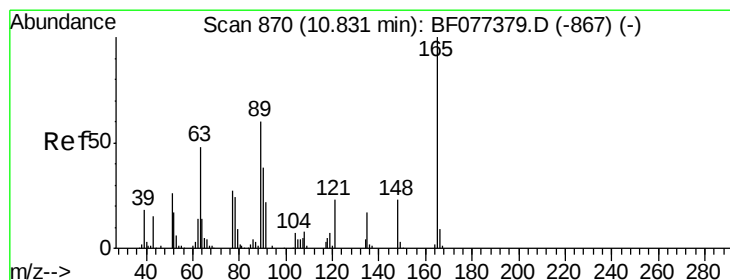
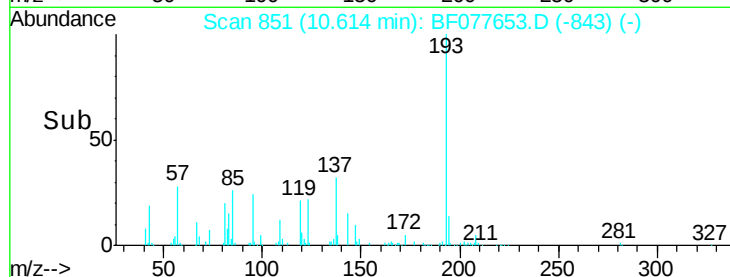
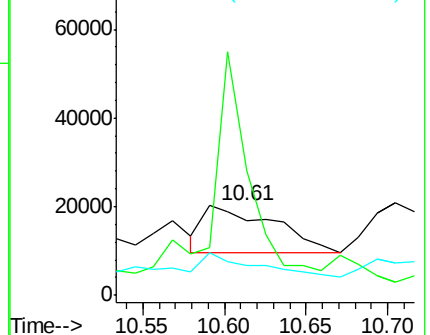
164 40.5 8.6 13.0#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 11.82 ng

RT: 10.69 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

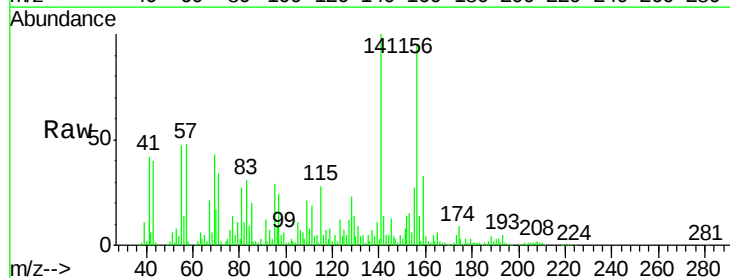
Tgt Ion:165 Resp: 16578

Ion Ratio Lower Upper

165 100

63 111.4 25.2 37.8#

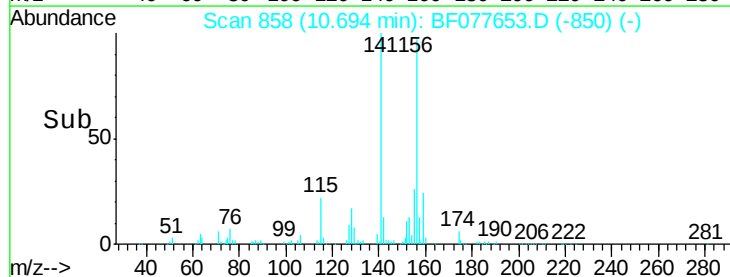
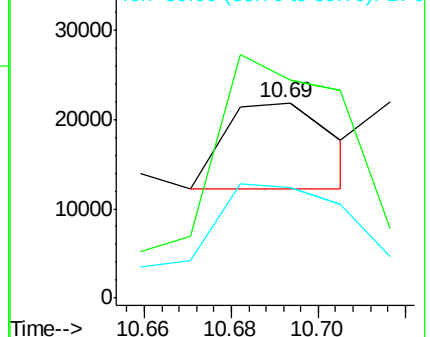
89 56.6 30.5 45.7#

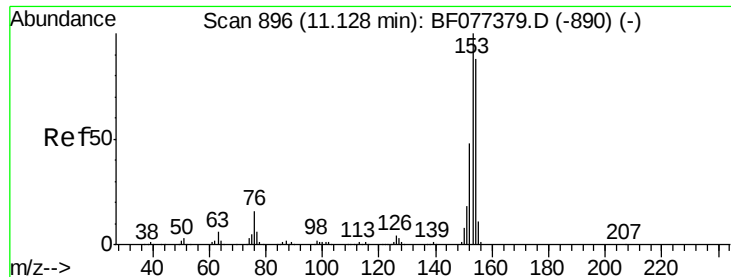


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 10.19 ng

RT: 10.99 min Scan# 884

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

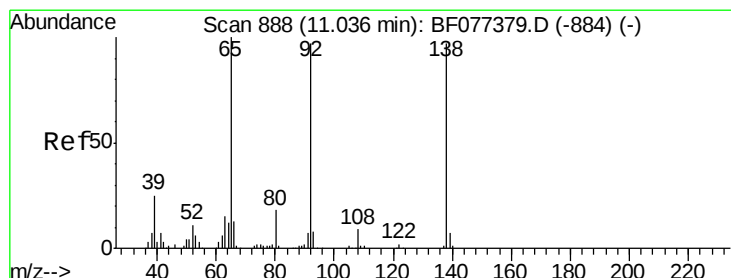
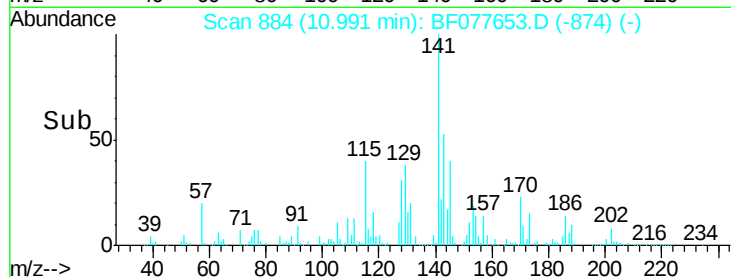
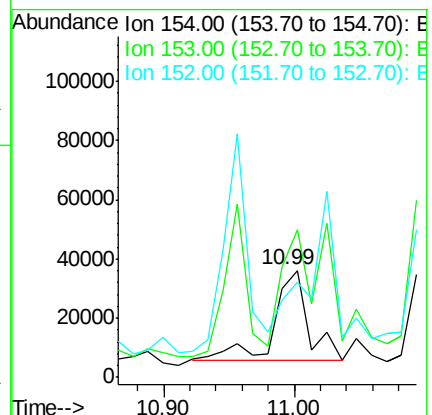
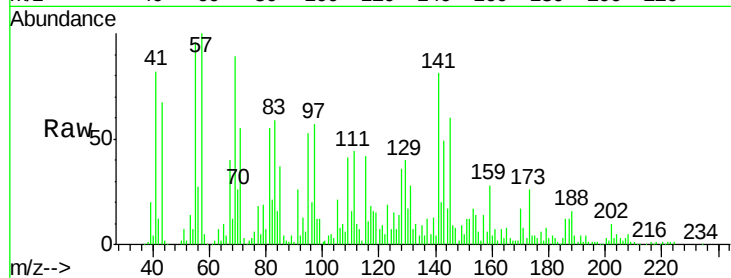
Tgt Ion:154 Resp: 56903

Ion Ratio Lower Upper

154 100

153 123.8 90.5 135.7

152 86.2 43.5 65.3#



#52

3-Nitroaniline

Concen: 6.72 ng

RT: 10.90 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

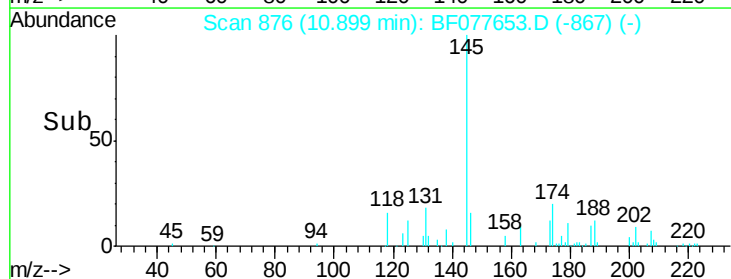
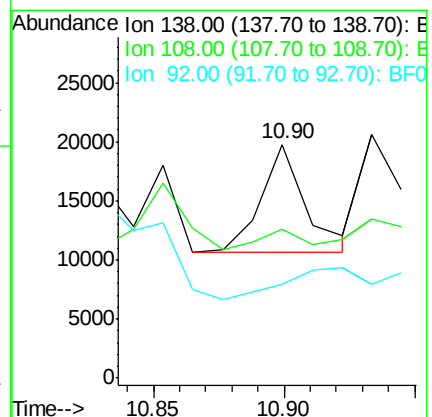
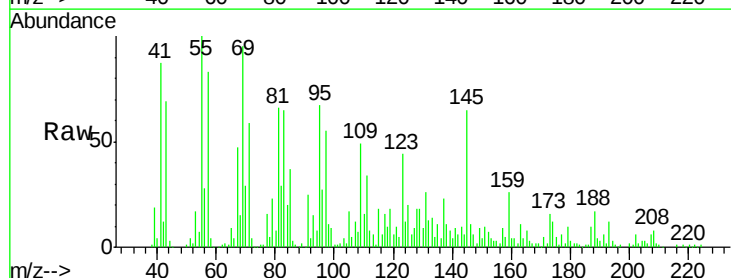
Tgt Ion:138 Resp: 10869

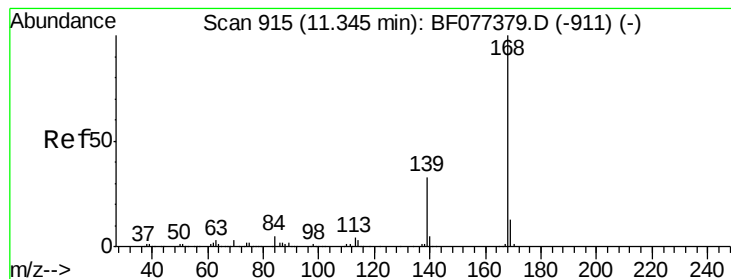
Ion Ratio Lower Upper

138 100

108 63.5 7.8 11.8#

92 40.3 90.6 135.8#





#54

Dibenzofuran

Concen: 11.53 ng

RT: 11.21 min Scan# 904

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

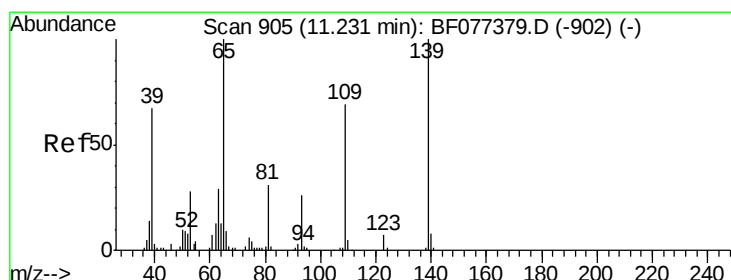
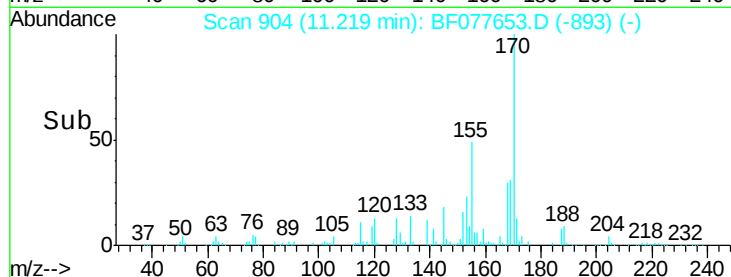
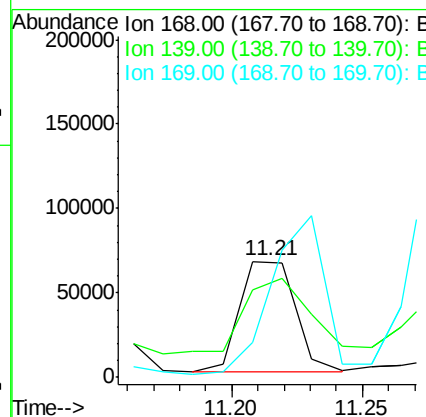
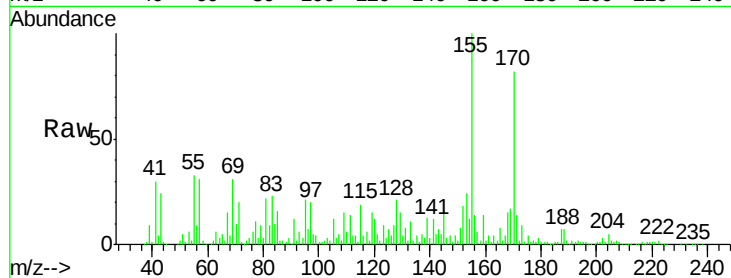
Tgt Ion:168 Resp: 99416

Ion Ratio Lower Upper

168 100

139 86.6 29.3 43.9#

169 111.3 10.9 16.3#



#55

4-Nitrophenol

Concen: 9.37 ng

RT: 11.15 min Scan# 898

Delta R.T. 0.04 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

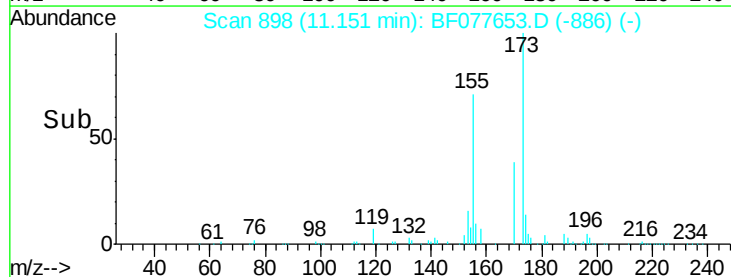
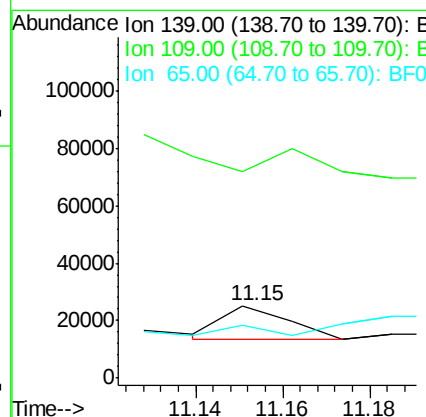
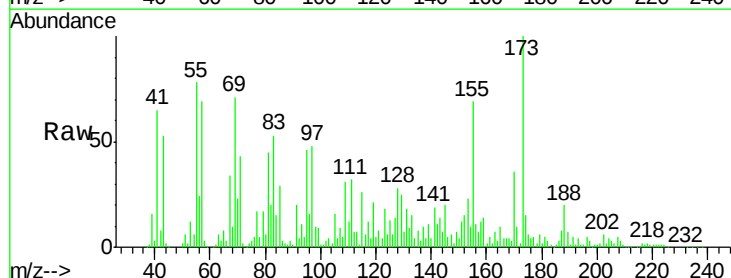
Tgt Ion:139 Resp: 12186

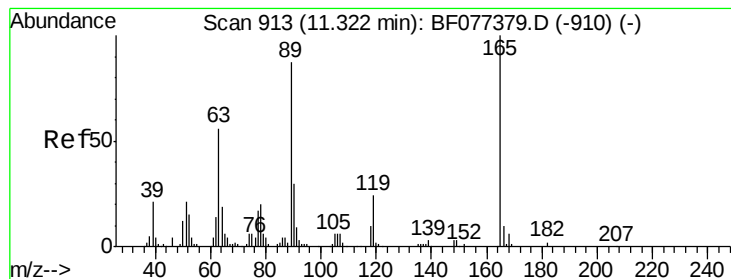
Ion Ratio Lower Upper

139 100

109 286.3 36.2 76.2#

65 72.5 40.3 80.3





#56

2,4-Dinitrotoluene

Concen: 26.18 ng

RT: 11.22 min Scan# 904

Delta R.T. 0.03 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

Tgt Ion:165 Resp: 49609

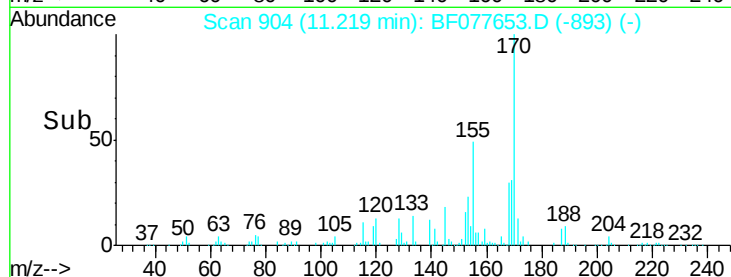
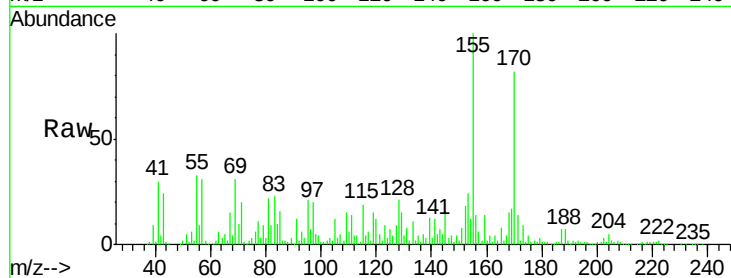
Ion Ratio Lower Upper

165 100

63 71.5 29.8 44.8#

89 37.9 48.5 72.7#

182 8.1 1.9 2.9#

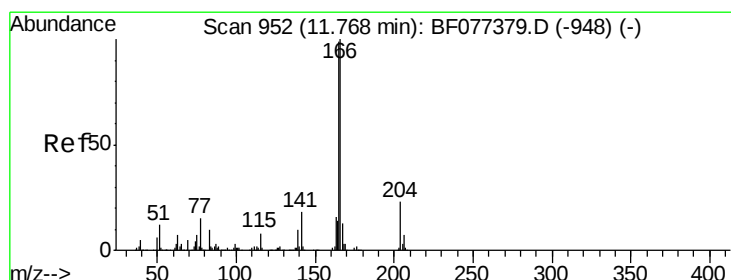
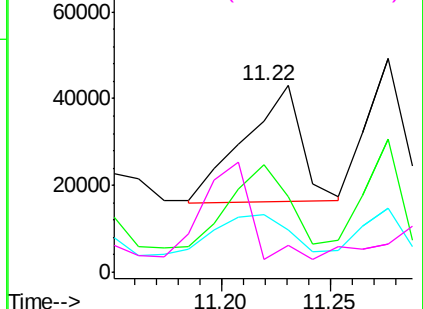


Abundance Ion 165.00 (164.70 to 165.70): E

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: 32.34 ng

RT: 11.63 min Scan# 940

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

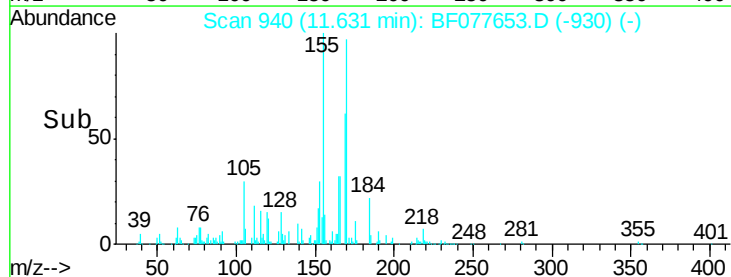
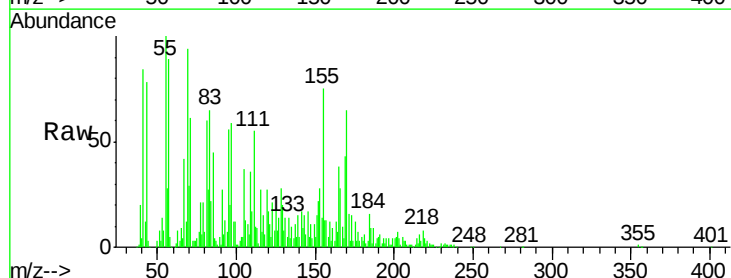
Tgt Ion:166 Resp: 222870

Ion Ratio Lower Upper

166 100

165 134.5 77.6 116.4#

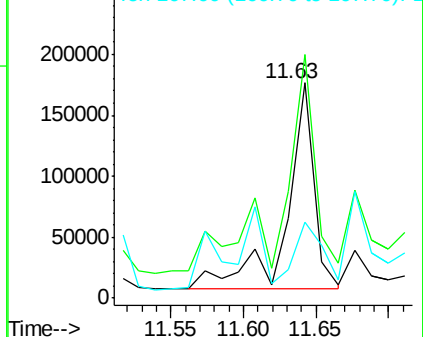
167 35.9 10.6 16.0#

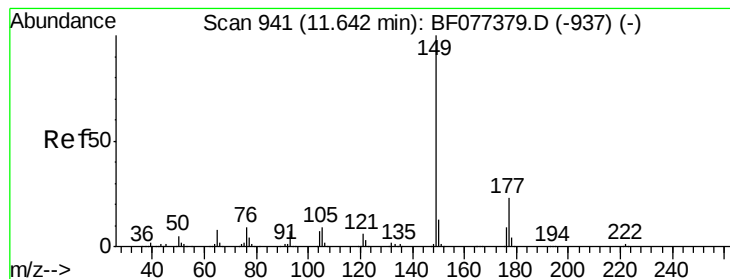


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 2.01 ng

RT: 11.52 min Scan# 931

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

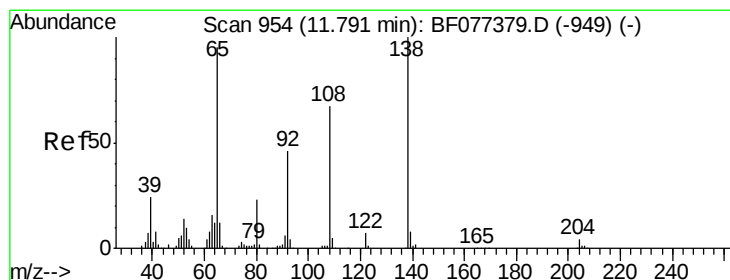
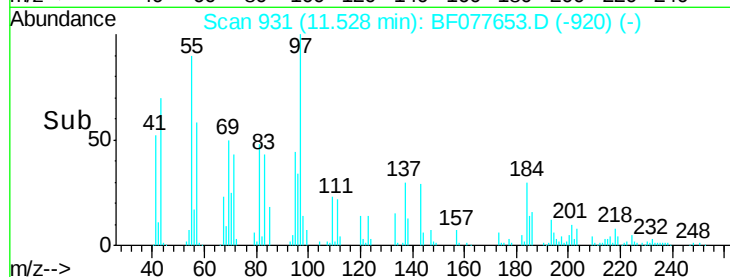
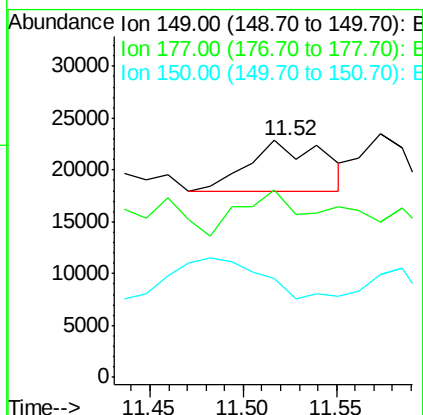
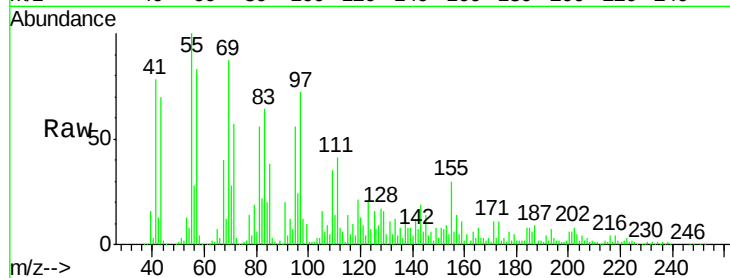
Tgt Ion:149 Resp: 13846

Ion Ratio Lower Upper

149 100

177 74.8 17.2 25.8#

150 36.2 10.5 15.7#



#61

4-Nitroaniline

Concen: 2.77 ng

RT: 11.60 min Scan# 938

Delta R.T. -0.05 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

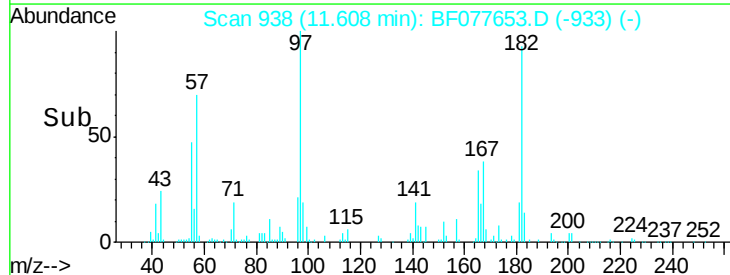
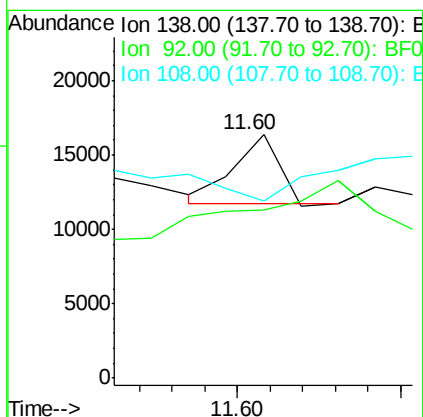
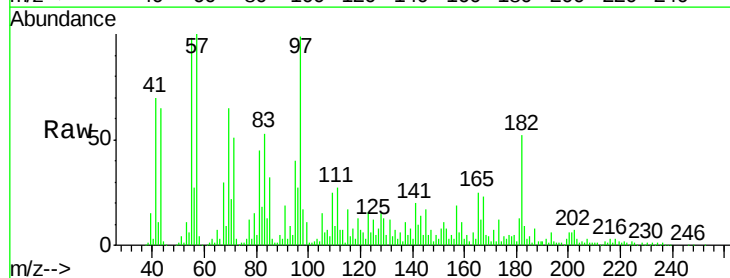
Tgt Ion:138 Resp: 4287

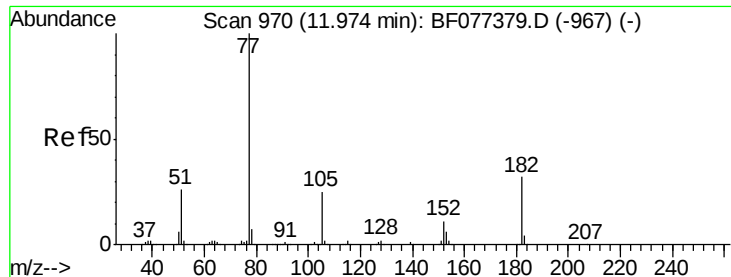
Ion Ratio Lower Upper

138 100

92 69.1 32.8 72.8

108 72.8 52.1 92.1





#62

Azobenzene

Concen: 4.94 ng

RT: 11.85 min Scan# 960

Delta R.T. 0.03 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

Tgt Ion: 77 Resp: 32276

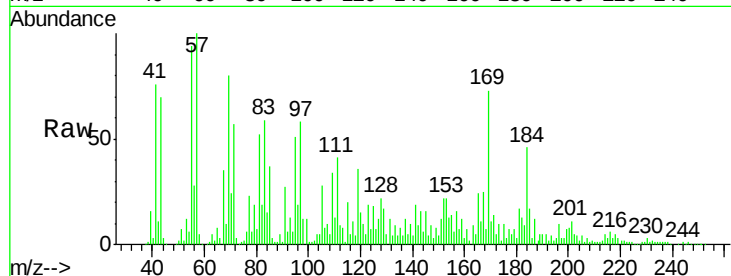
Ion Ratio Lower Upper

77 100

182 56.2 4.9 44.9#

105 123.6 3.3 43.3#

51 29.1 8.9 48.9

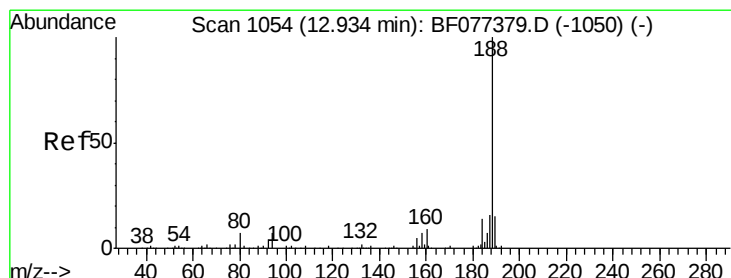
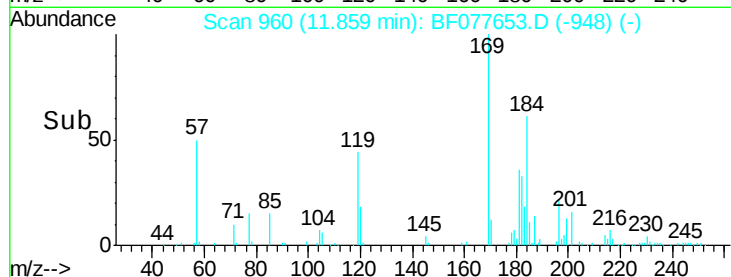
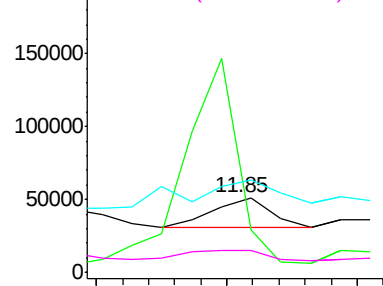


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.80 min Scan# 1042

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

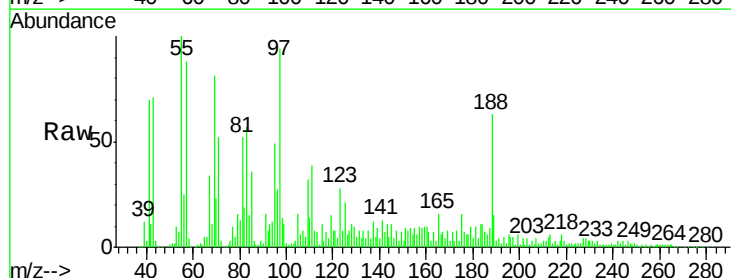
Tgt Ion: 188 Resp: 222982

Ion Ratio Lower Upper

188 100

94 19.5 7.4 11.2#

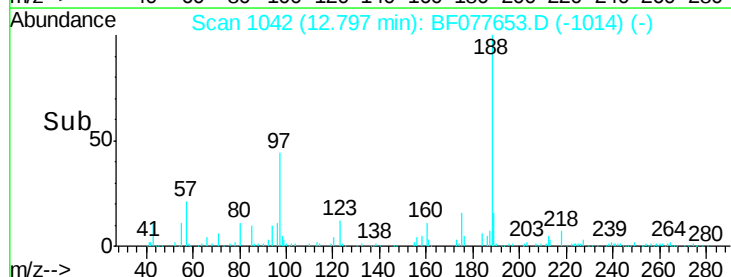
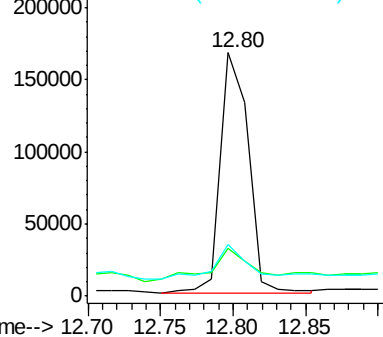
80 21.2 8.0 12.0#

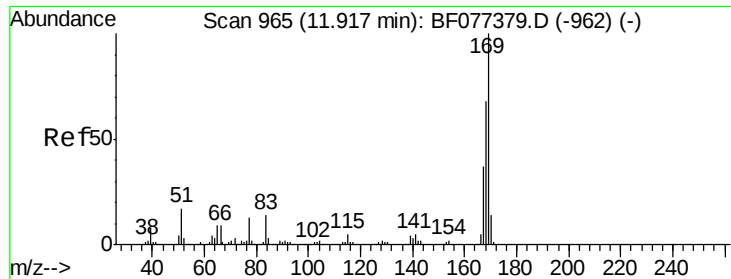


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 50.65 ng

RT: 11.79 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampled :

TW-1RE

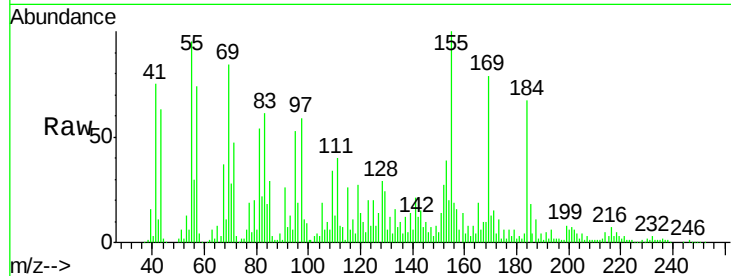
Tgt Ion:169 Resp: 374713

Ion Ratio Lower Upper

169 100

168 13.0 53.0 79.6#

167 12.9 29.5 44.3#



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

250000

200000

150000

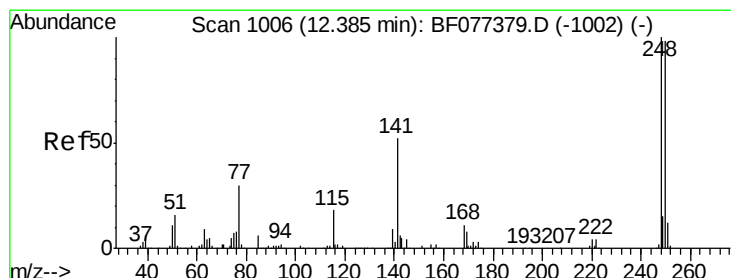
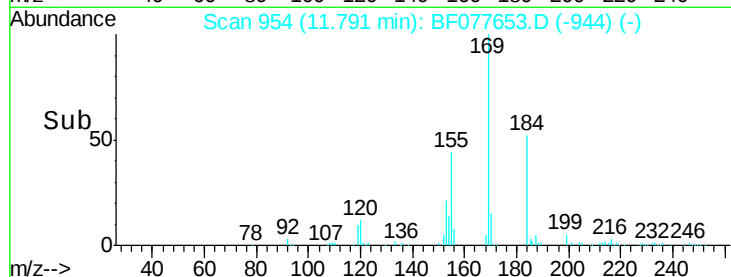
100000

50000

0

11.75 11.80 11.85

Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.60 ng

RT: 12.25 min Scan# 994

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

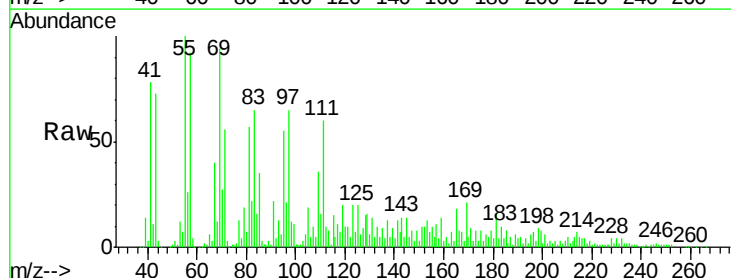
Tgt Ion:248 Resp: 6797

Ion Ratio Lower Upper

248 100

250 138.4 78.0 117.0#

141 1668.5 54.1 81.1#



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

80000

60000

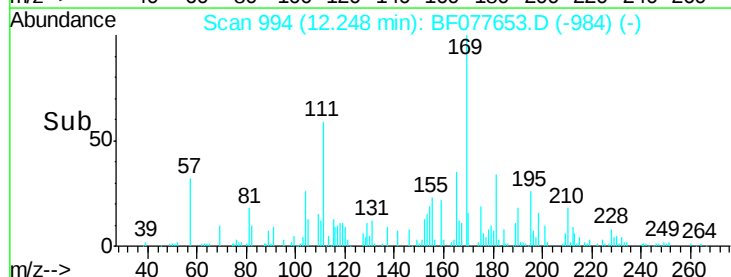
40000

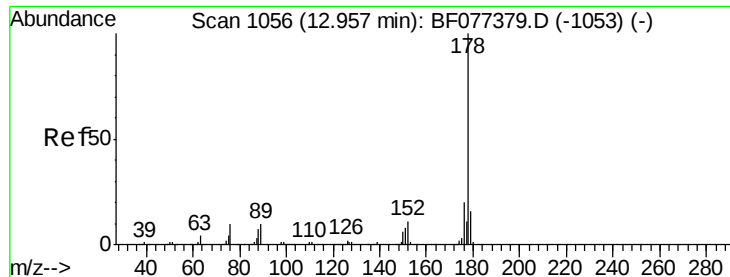
20000

0

12.20 12.30

Time-->

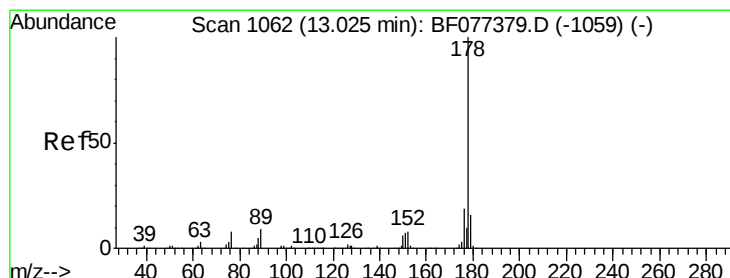
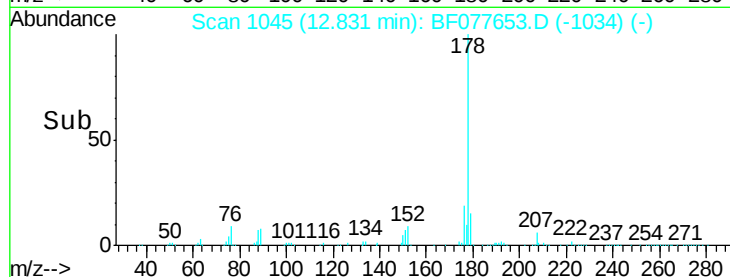
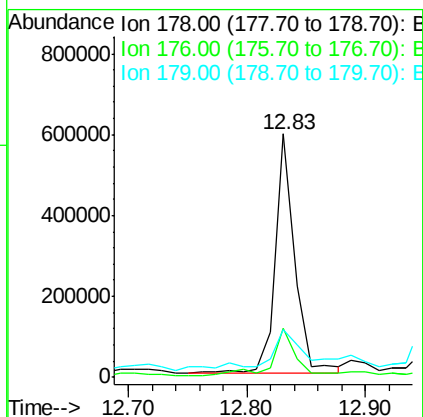
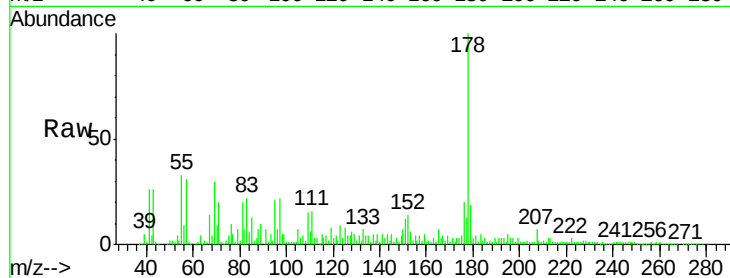




#70
Phenanthrene
Concen: 51.42 ng
RT: 12.83 min Scan# 1045
Delta R.T. 0.03 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

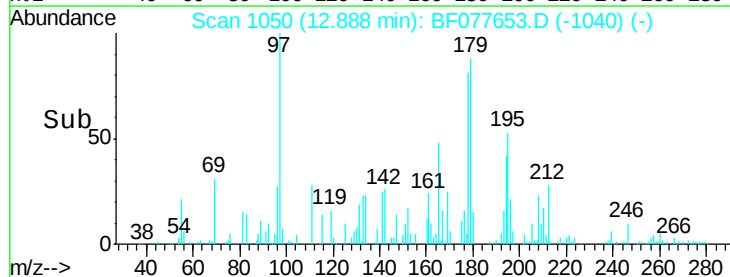
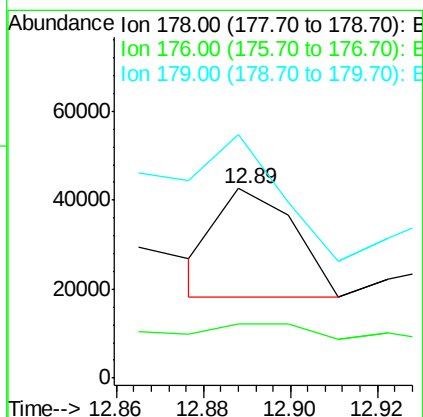
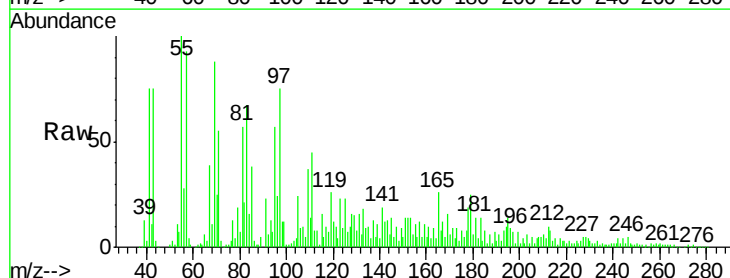
Instrument :
BNA_F
ClientSampleId :
TW-1RE

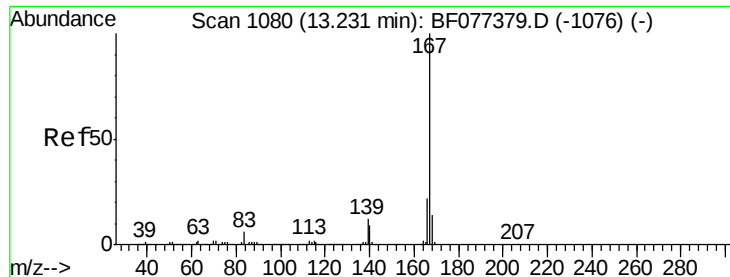
Tgt Ion:178 Resp: 664519
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 19.4 12.2 18.2#



#71
Anthracene
Concen: 2.28 ng
RT: 12.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF077653.D
Acq: 9 Mar 2015 22:24

Tgt Ion:178 Resp: 29253
Ion Ratio Lower Upper
178 100
176 28.5 15.4 23.0#
179 128.4 12.9 19.3#





#72

Carbazole

Concen: 2.23 ng

RT: 13.09 min Scan# 1068

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

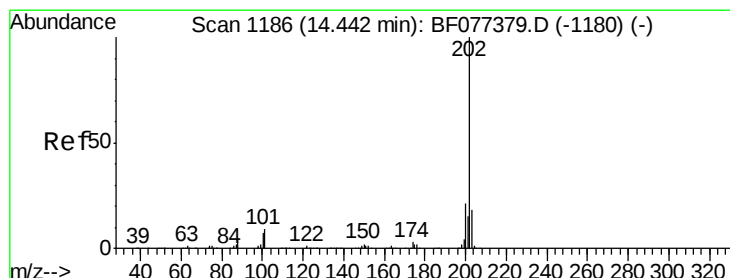
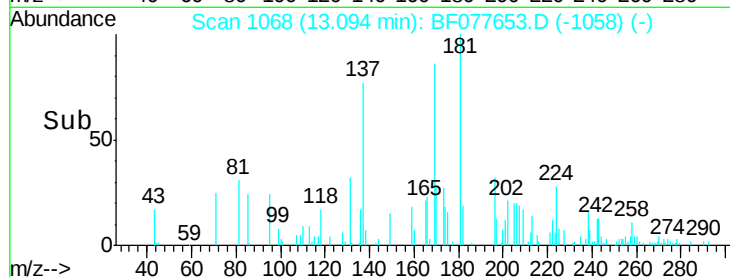
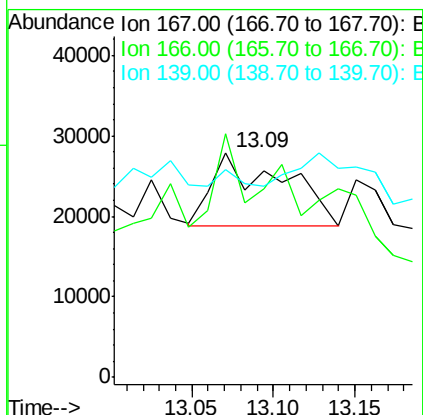
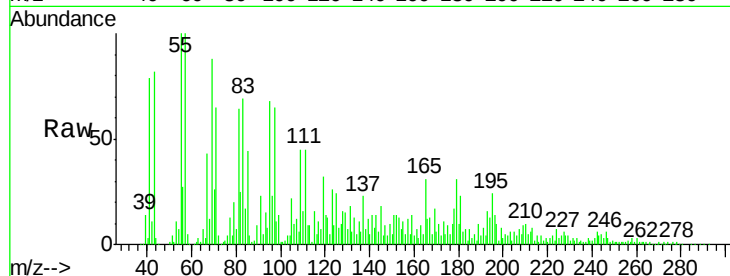
Tgt Ion:167 Resp: 27205

Ion Ratio Lower Upper

167 100

166 91.5 17.6 26.4#

139 92.7 9.9 14.9#



#74

Fluoranthene

Concen: 2.61 ng

RT: 14.31 min Scan# 1174

Delta R.T. 0.03 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

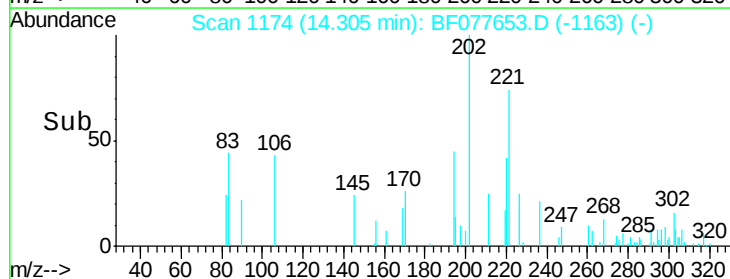
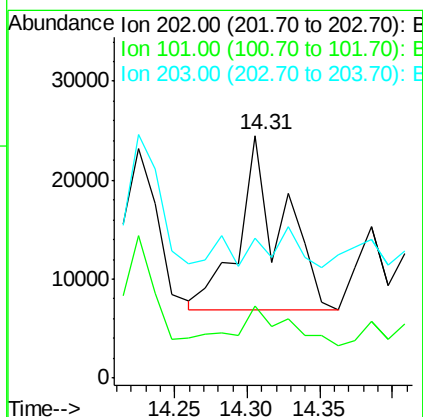
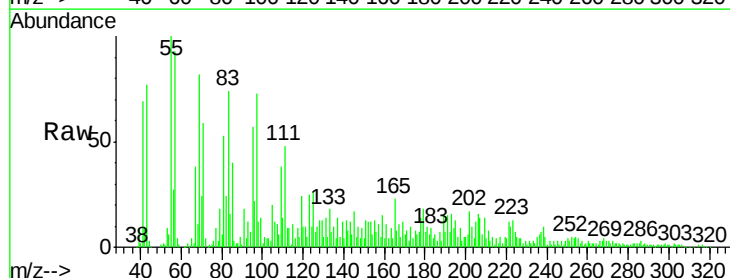
Tgt Ion:202 Resp: 36849

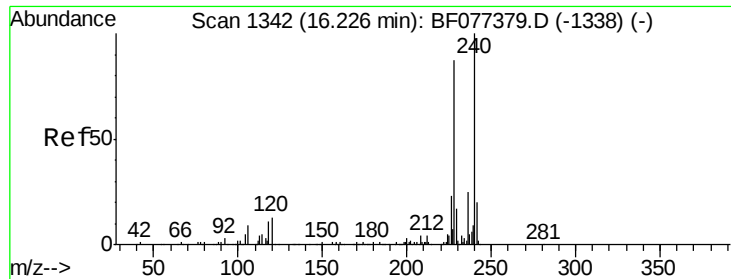
Ion Ratio Lower Upper

202 100

101 29.9 0.0 30.8

203 57.5 0.0 37.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.07 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

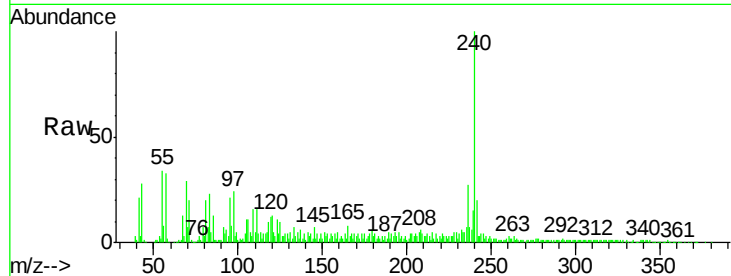
Tgt Ion:240 Resp: 240469

Ion Ratio Lower Upper

240 100

120 12.6 8.8 13.2

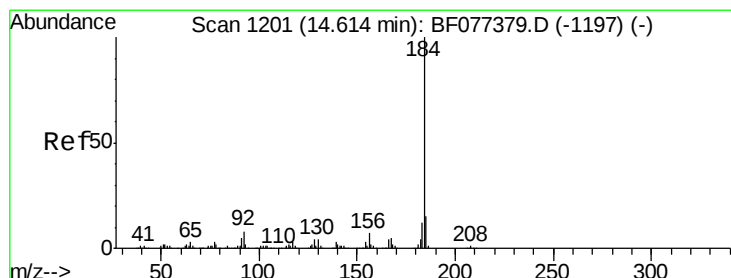
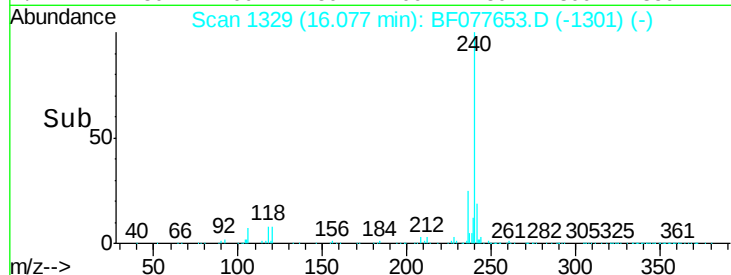
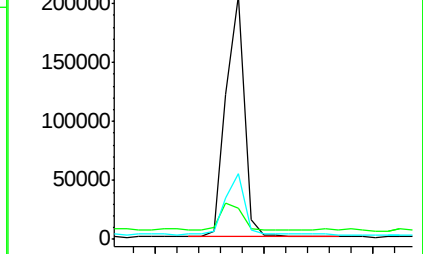
236 27.0 20.7 31.1



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: 137.02 ng

RT: 14.48 min Scan# 1190

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

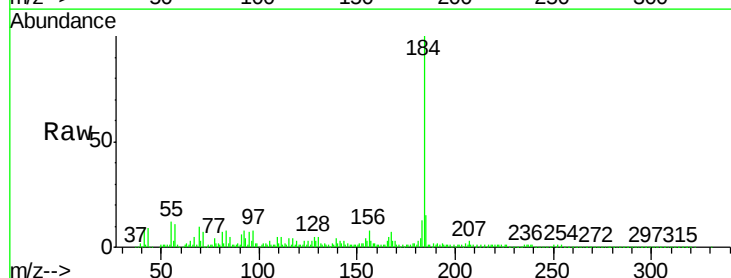
Tgt Ion:184 Resp: 1113174

Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

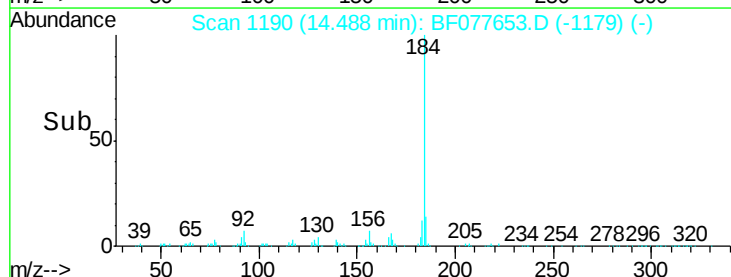
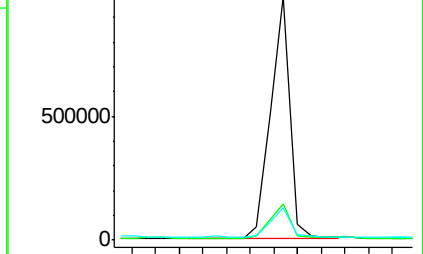
183 13.4 9.3 13.9

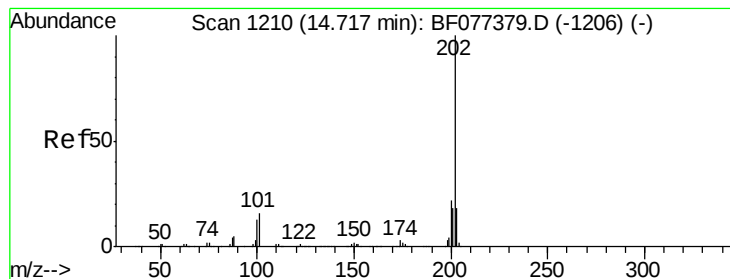


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.21 ng

RT: 14.57 min Scan# 1197

Delta R.T. 0.01 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

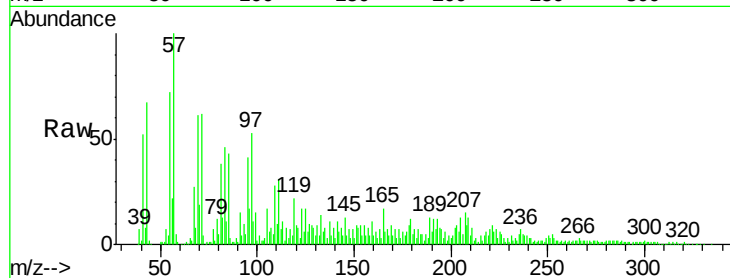
Tgt Ion:202 Resp: 61933

Ion Ratio Lower Upper

202 100

200 33.7 17.1 25.7#

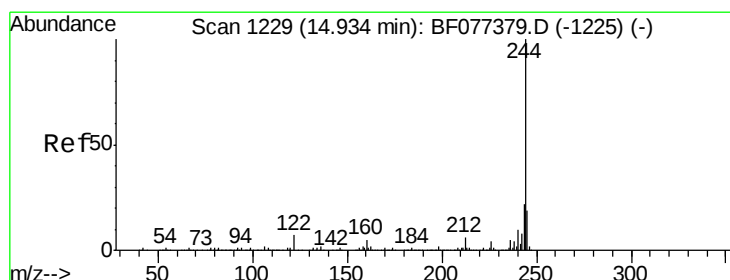
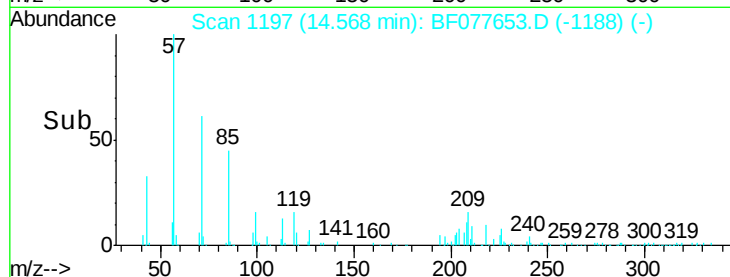
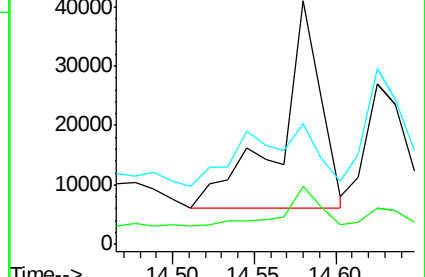
203 119.0 14.2 21.2#



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: 25.97 ng

RT: 14.79 min Scan# 1216

Delta R.T. 0.02 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

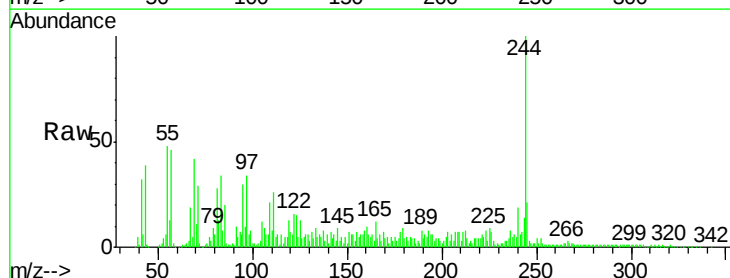
Tgt Ion:244 Resp: 267168

Ion Ratio Lower Upper

244 100

212 8.0 5.2 7.8#

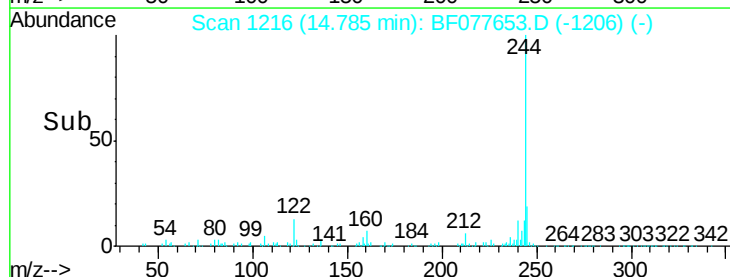
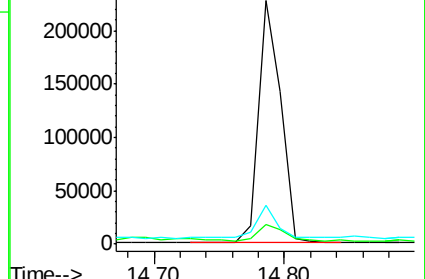
122 15.7 7.8 11.8#

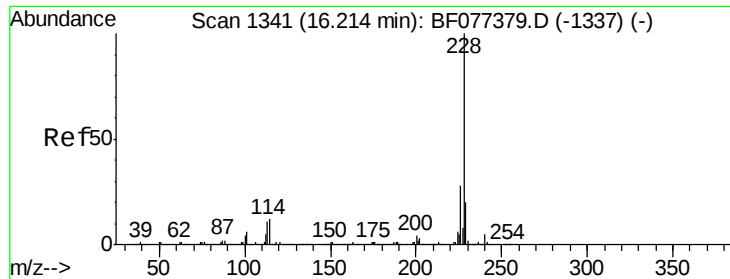


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.47 ng

RT: 16.09 min Scan# 1330

Delta R.T. 0.04 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

Instrument :

BNA_F

ClientSampleId :

TW-1RE

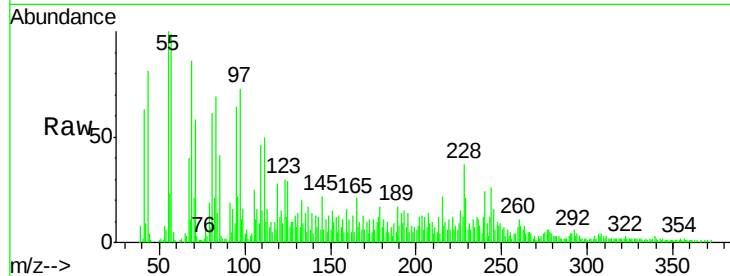
Tgt Ion:228 Resp: 48886

Ion Ratio Lower Upper

228 100

226 41.1 22.0 33.0#

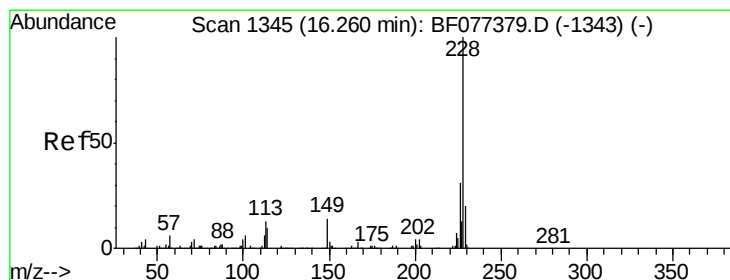
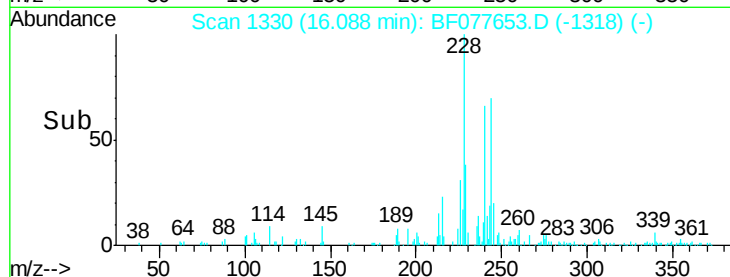
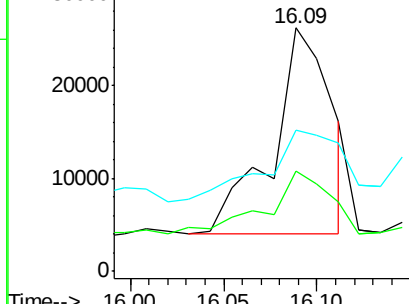
229 57.9 15.8 23.8#



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



#82

Chrysene

Concen: 3.72 ng

RT: 16.09 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF077653.D

Acq: 9 Mar 2015 22:24

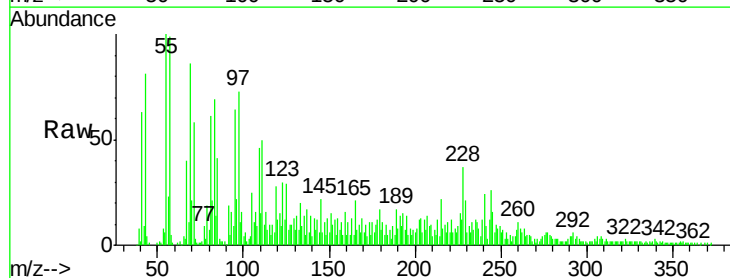
Tgt Ion:228 Resp: 49250

Ion Ratio Lower Upper

228 100

226 41.1 24.9 37.3#

229 57.9 16.4 24.6#



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

