

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031915\
 Data File : BF077851.D
 Acq On : 20 Mar 2015 2:54
 Operator : TP/IZ
 Sample : G1573-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Quant Time: Mar 20 05:41:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 20 06:30:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.15	152	39933	20.00	ng	0.00
21) Naphthalene-d8	8.73	136	157995	20.00	ng	0.00
38) Acenaphthene-d10	10.90	164	88928	20.00	ng	0.00
63) Phenanthrene-d10	12.74	188	158280	20.00	ng	0.00
75) Chrysene-d12	16.02	240	178252	20.00	ng	-0.01
86) Perylene-d12	17.70	264	183443	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	125564	54.89	ng	0.01
7) Phenol-d6	6.73	99	95737	33.87	ng	0.00
23) Nitrobenzene-d5	7.85	82	230305	95.55	ng	0.00
41) 2,4,6-Tribromophenol	11.88	330	91043	107.00	ng	0.00
44) 2-Fluorobiphenyl	10.08	172	460046	76.03	ng	0.00
78) Terphenyl-d14	14.73	244	478651	65.59	ng	-0.01

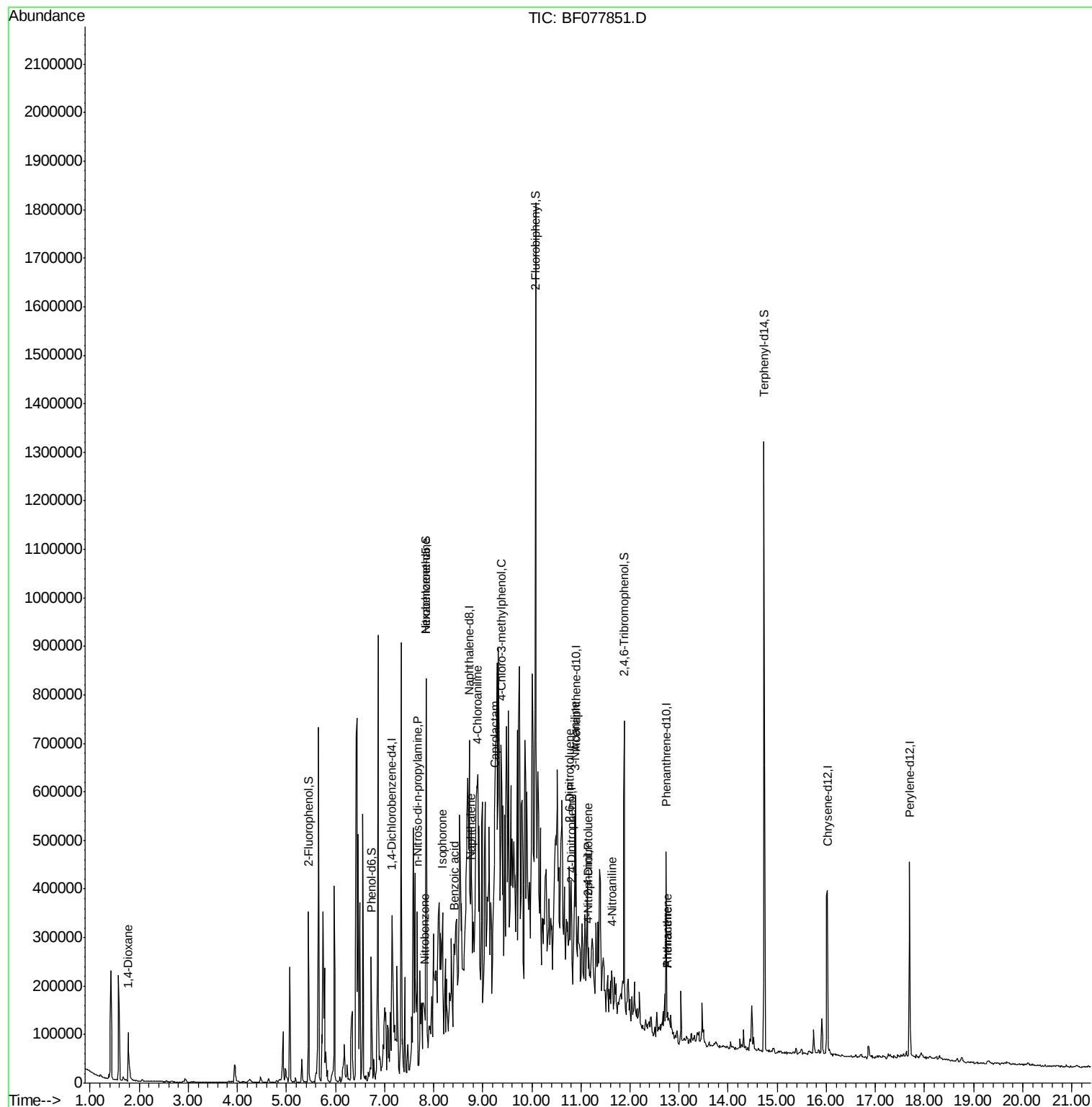
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.78	88	4258	4.10	ng	# 100
18) Hexachloroethane	7.85	117	33450	32.41	ng	# 3
19) n-Nitroso-di-n-propylamine	7.66	70	8560	4.38	ng	# 31
24) Nitrobenzene	7.81	77	5428	2.09	ng	# 19
25) Isophorone	8.18	82	12365	2.54	ng	# 28
31) Naphthalene	8.75	128	23657	2.92	ng	# 76
32) Benzoic acid	8.43	122	279	3.29	ng	# 1
33) 4-Chloroaniline	8.89	127	12293	3.73	ng	# 69
35) Caprolactam	9.24	113	68424	106.06	ng	# 55
36) 4-Chloro-3-methylphenol	9.38	107	8724	3.93	ng	# 18
50) 2,6-Dinitrotoluene	10.76	165	4367	3.19	ng	# 71
52) 3-Nitroaniline	10.88	138	3758	2.37	ng	# 59
53) 2,4-Dinitrophenol	10.81	184	1245	10.29	ng	# 54
55) 4-Nitrophenol	11.15	139	2864	2.43	ng	# 68
56) 2,4-Dinitrotoluene	11.14	165	5458	3.06	ng	# 43
61) 4-Nitroaniline	11.63	138	3340	2.11	ng	# 1
70) Phenanthrene	12.76	178	20139	2.22	ng	99
71) Anthracene	12.76	178	20139	2.24	ng	99

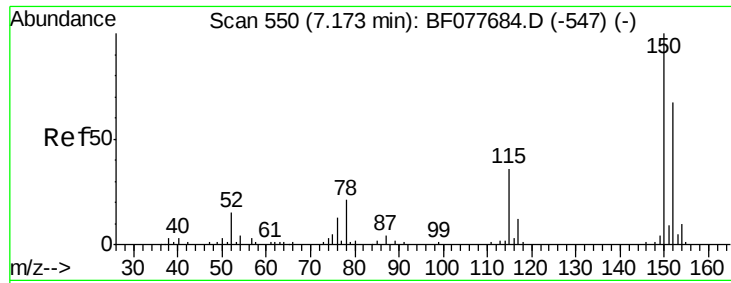
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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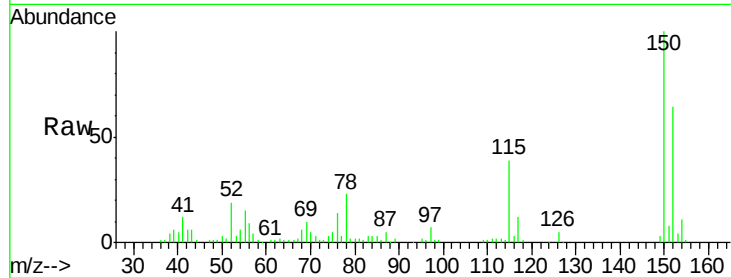




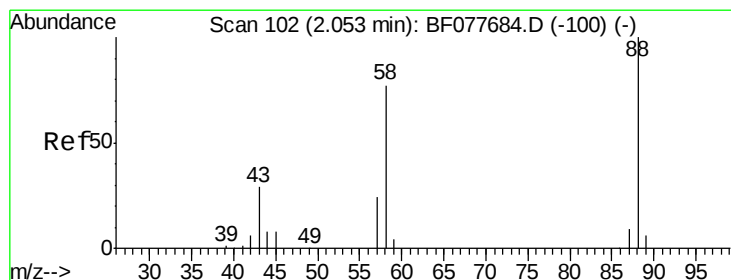
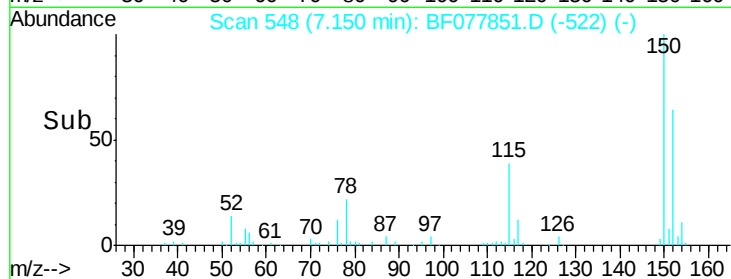
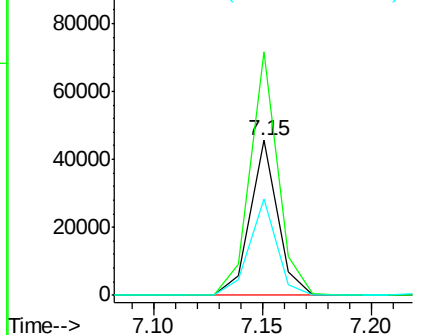
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.15 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Tgt Ion:152 Resp: 39933
 Ion Ratio Lower Upper
 152 100
 150 157.4 119.5 179.3
 115 62.0 43.0 64.4

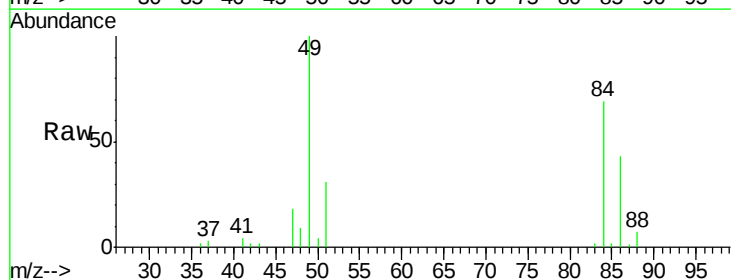


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

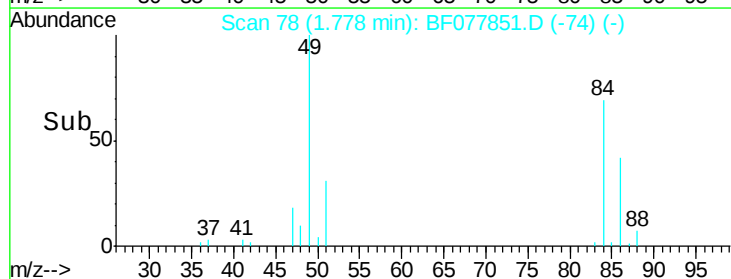
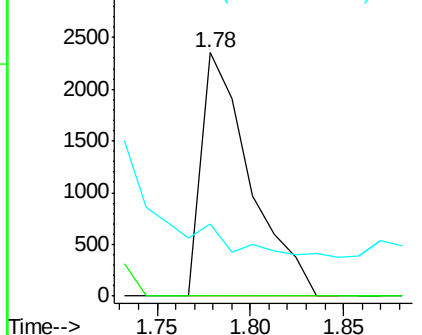


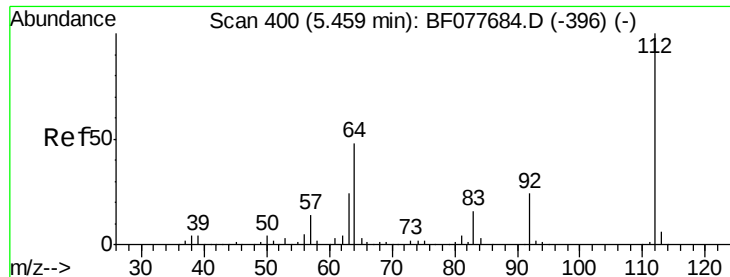
#2
 1,4-Dioxane
 Concen: 4.10 ng
 RT: 1.78 min Scan# 78
 Delta R.T. -0.25 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Tgt Ion: 88 Resp: 4258
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 54.89 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077851.D

Acq: 20 Mar 2015 2:54

Instrument :

BNA_F

ClientSampleId :

MW-09

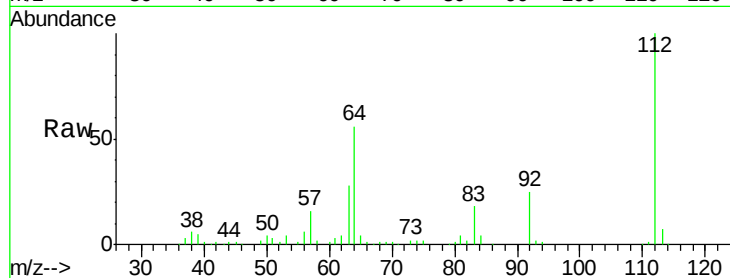
Tgt Ion: 112 Resp: 125564

Ion Ratio Lower Upper

112 100

64 56.3 38.6 57.8

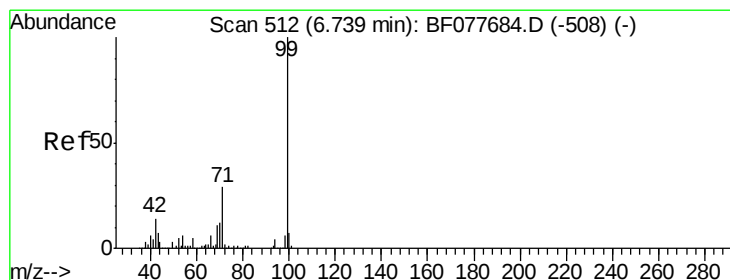
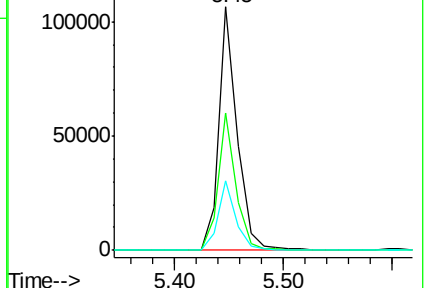
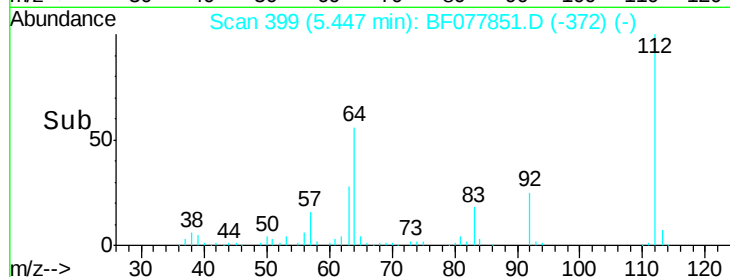
63 28.4 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 33.87 ng

RT: 6.73 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF077851.D

Acq: 20 Mar 2015 2:54

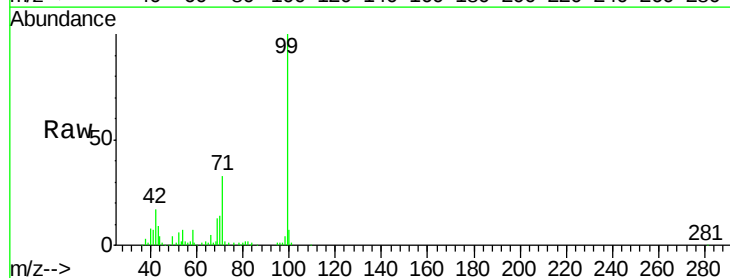
Tgt Ion: 99 Resp: 95737

Ion Ratio Lower Upper

99 100

42 17.4 11.0 16.4#

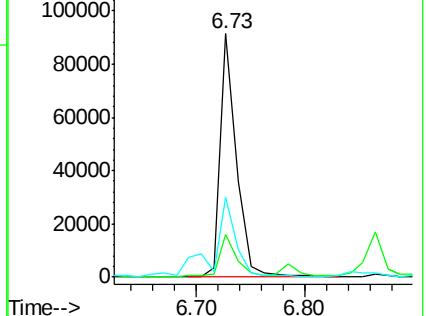
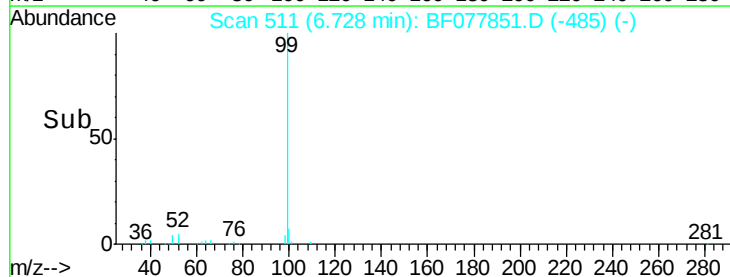
71 32.6 23.4 35.2

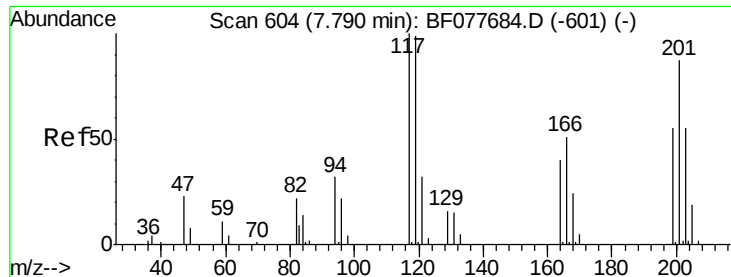


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

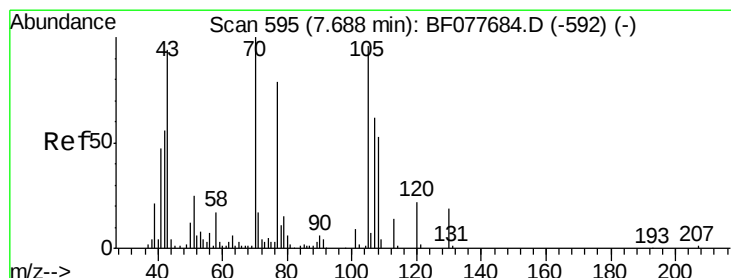
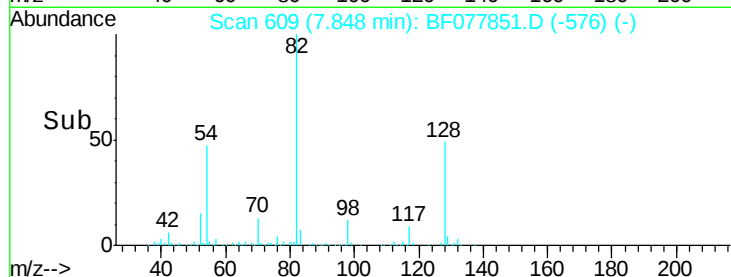
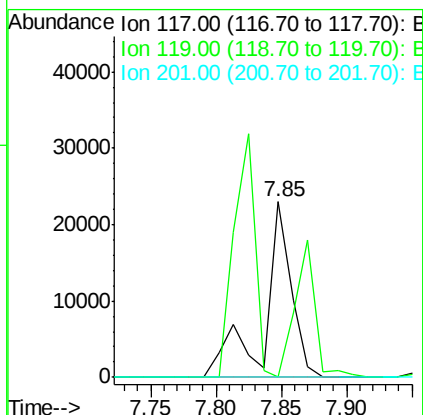
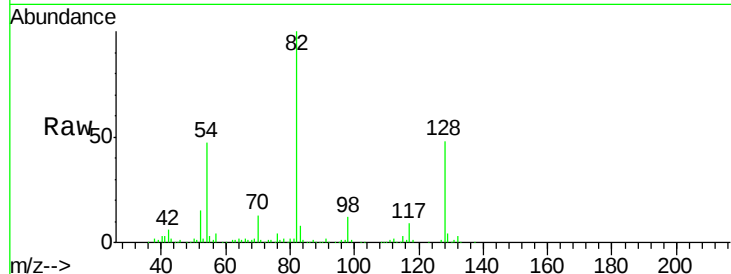




#18
Hexachloroethane
Concen: 32.41 ng
RT: 7.85 min Scan# 609
Delta R.T. 0.08 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

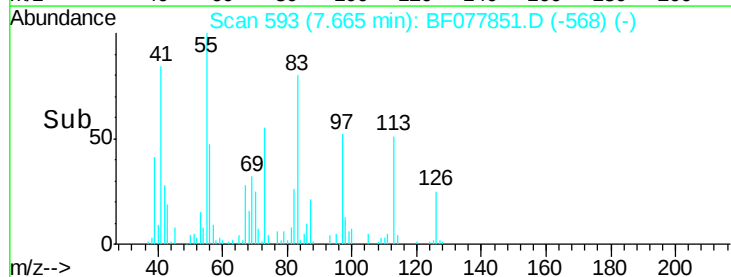
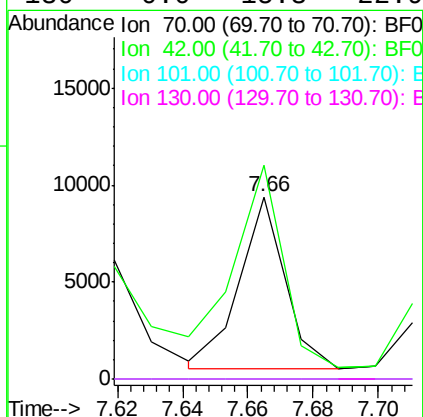
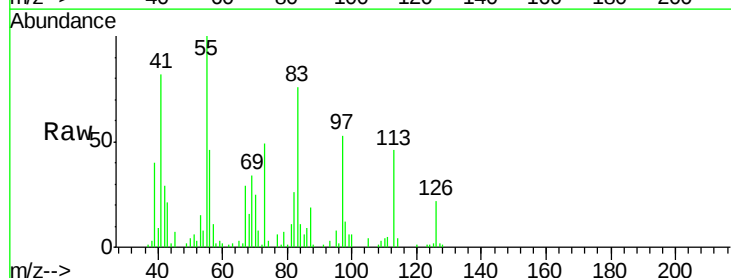
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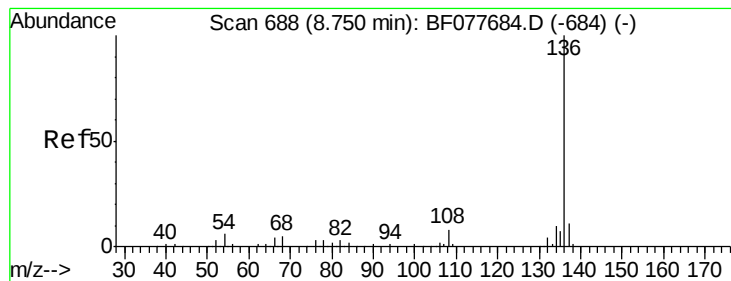
Tgt Ion: 117 Resp: 33450
Ion Ratio Lower Upper
117 100
119 0.0 79.2 118.8#
201 0.0 69.8 104.6#



#19
n-Nitroso-di-n-propylamine
Concen: 4.38 ng
RT: 7.66 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Tgt Ion: 70 Resp: 8560
Ion Ratio Lower Upper
70 100
42 117.5 44.5 66.7#
101 0.0 7.4 11.2#
130 0.0 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.73 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF077851.D

Acq: 20 Mar 2015 2:54

Instrument :

BNA_F

ClientSampleId :

MW-09

Tgt Ion:136 Resp: 157995

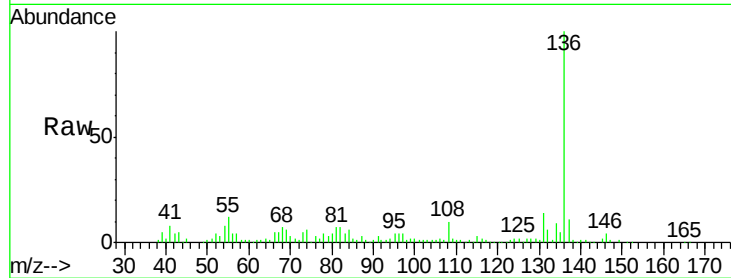
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.0 4.6 6.8#

68 7.3 3.7 5.5#

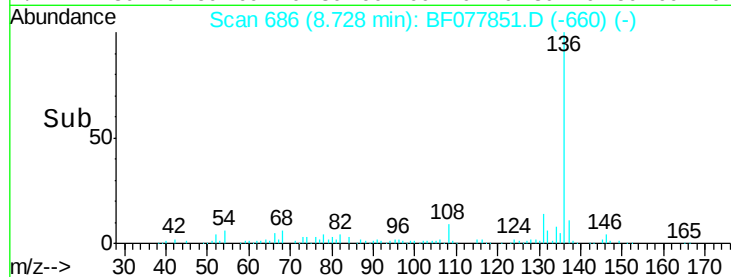


Abundance Ion 136.00 (135.70 to 136.70): E

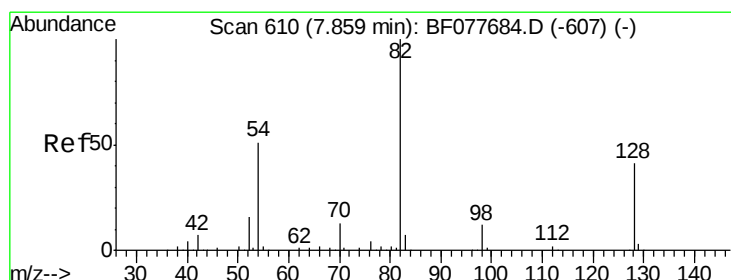
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 95.55 ng

RT: 7.85 min Scan# 609

Delta R.T. 0.00 min

Lab File: BF077851.D

Acq: 20 Mar 2015 2:54

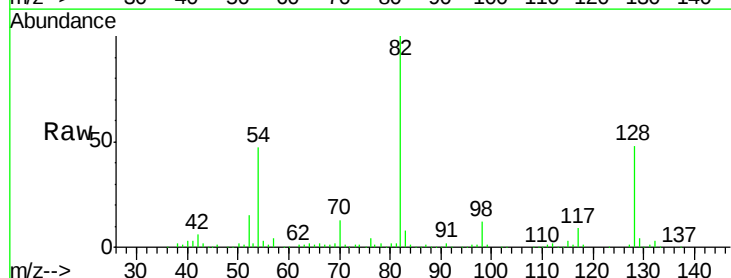
Tgt Ion: 82 Resp: 230305

Ion Ratio Lower Upper

82 100

128 48.4 32.8 49.2

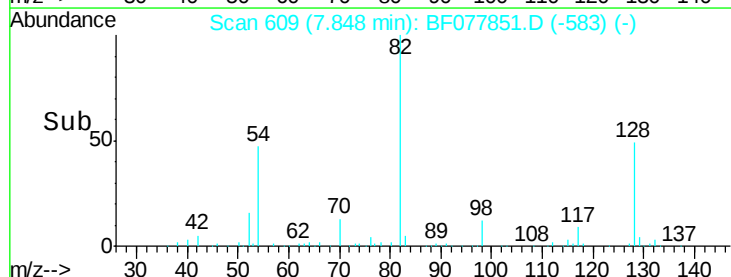
54 46.8 40.6 60.8



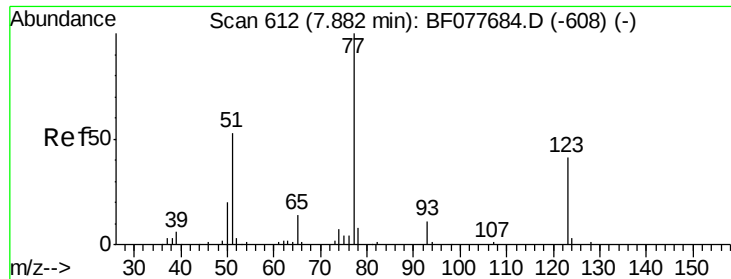
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



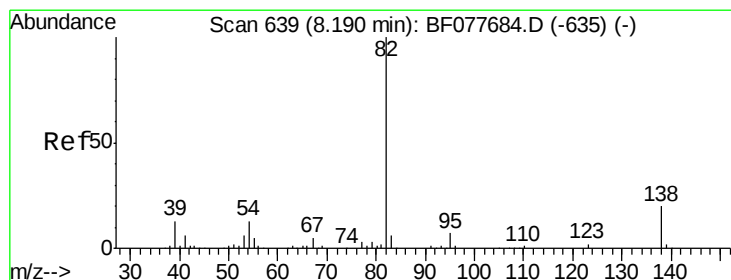
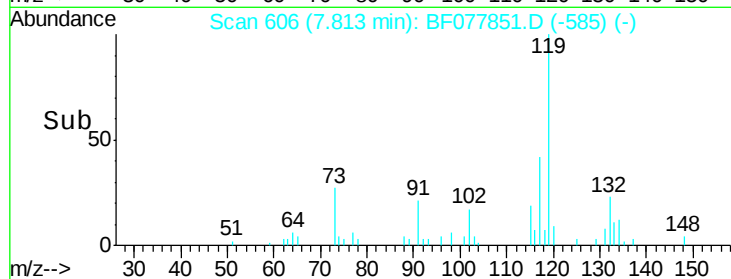
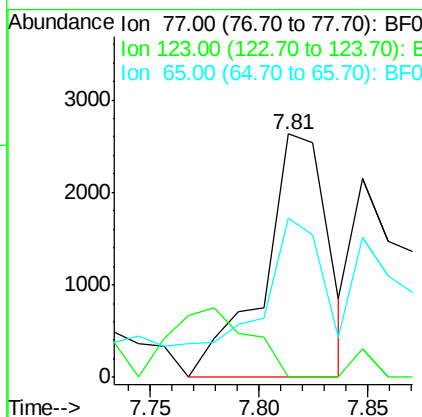
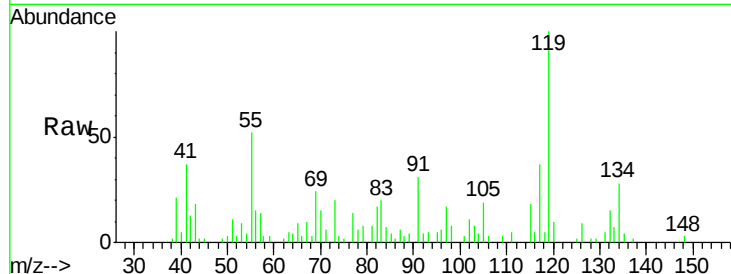
Time-->



#24
 Nitrobenzene
 Concen: 2.09 ng
 RT: 7.81 min Scan# 606
 Delta R.T. -0.06 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

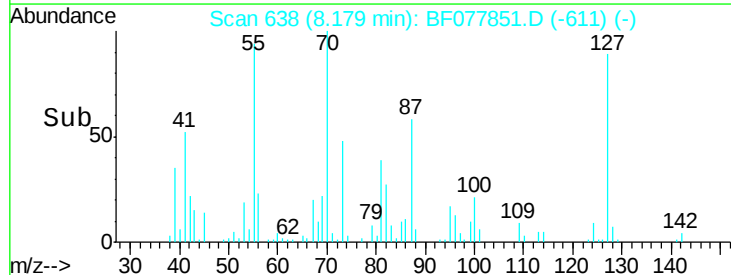
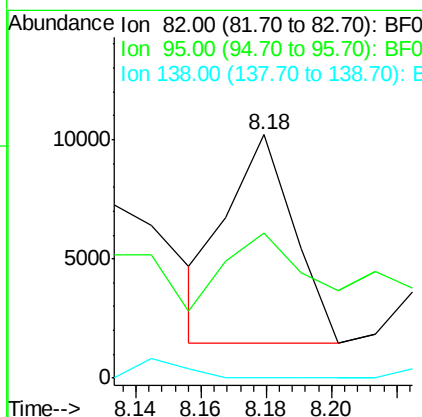
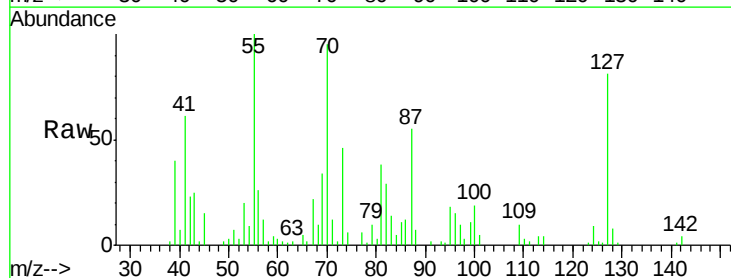
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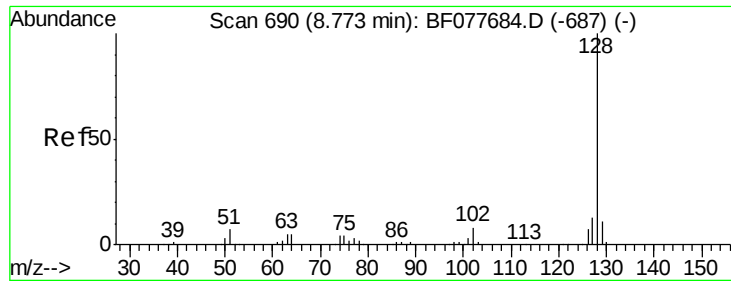
Tgt Ion: 77 Resp: 5428
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 65.4 10.9 16.3#



#25
 Isophorone
 Concen: 2.54 ng
 RT: 8.18 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Tgt Ion: 82 Resp: 12365
 Ion Ratio Lower Upper
 82 100
 95 59.5 5.8 8.6#
 138 0.0 16.3 24.5#

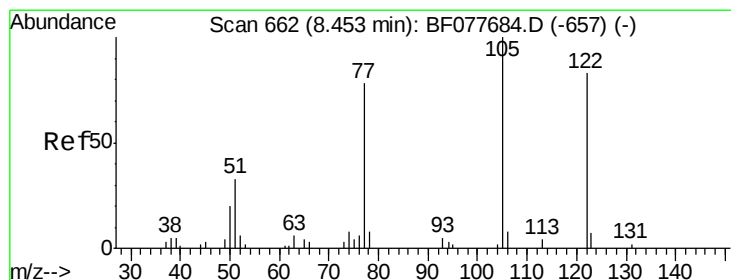
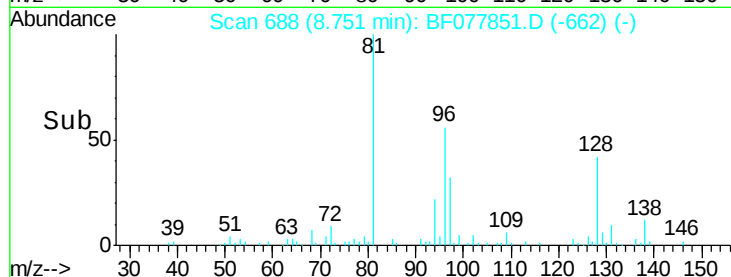
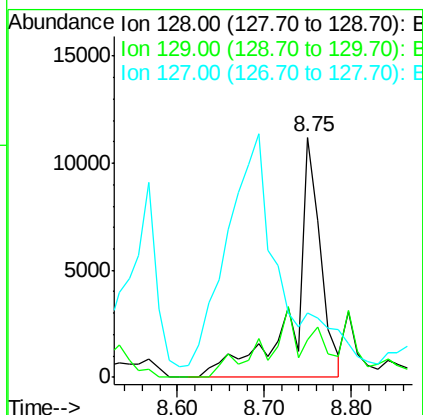
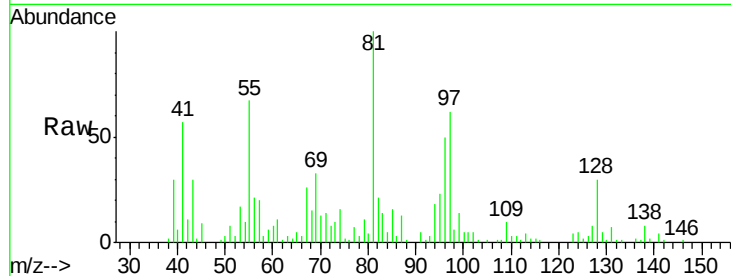




#31
Naphthalene
Concen: 2.92 ng
RT: 8.75 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

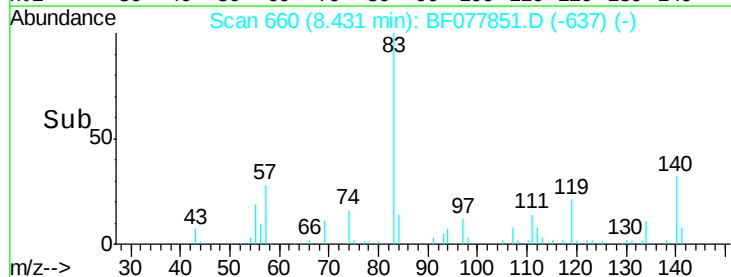
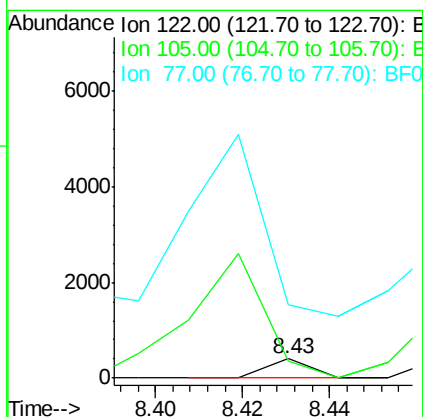
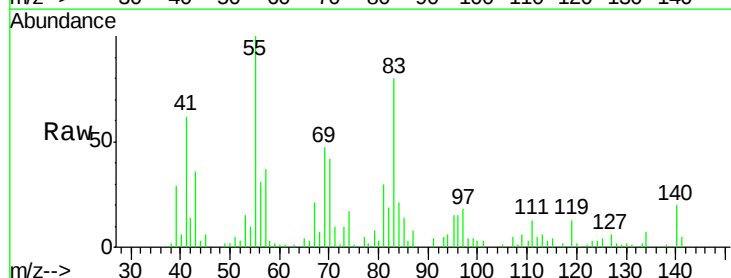
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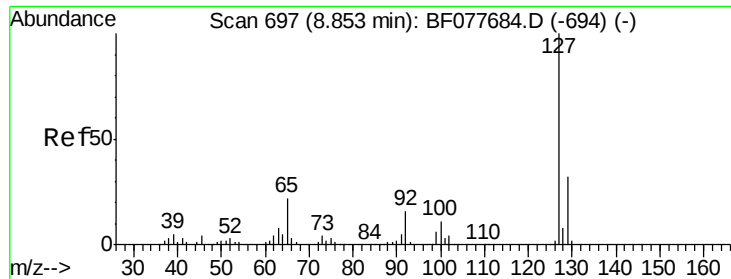
Tgt Ion:128 Resp: 23657
Ion Ratio Lower Upper
128 100
129 15.5 8.9 13.3#
127 26.8 10.4 15.6#



#32
Benzoic acid
Concen: 3.29 ng
RT: 8.43 min Scan# 660
Delta R.T. -0.03 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Tgt Ion:122 Resp: 279
Ion Ratio Lower Upper
122 100
105 88.5 99.9 139.9#
77 376.2 73.7 113.7#

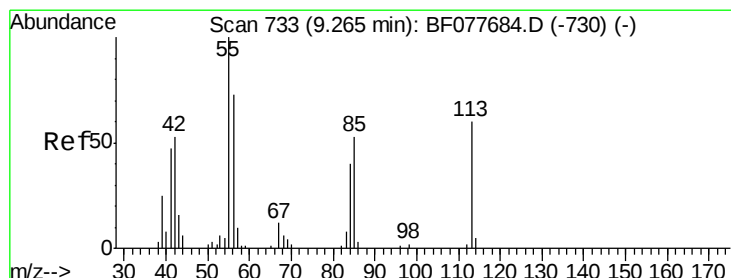
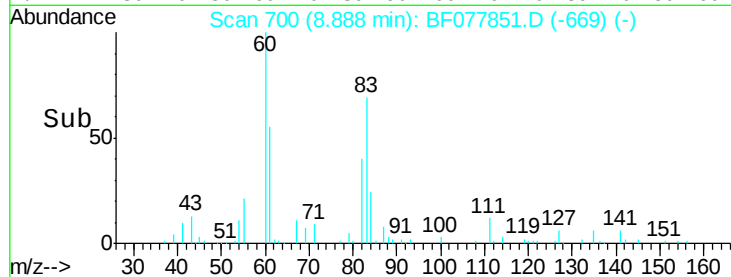
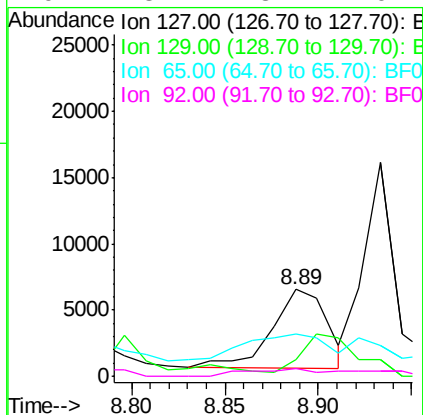
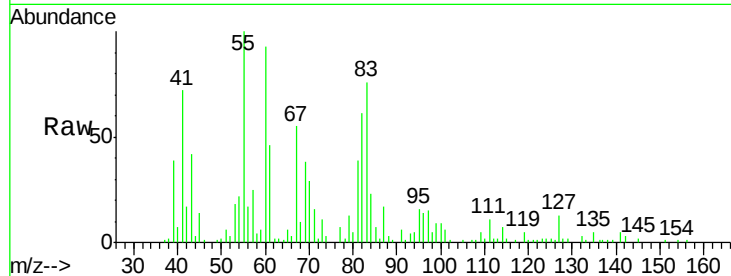




#33
4-Chloroaniline
Concen: 3.73 ng
RT: 8.89 min Scan# 700
Delta R.T. 0.06 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

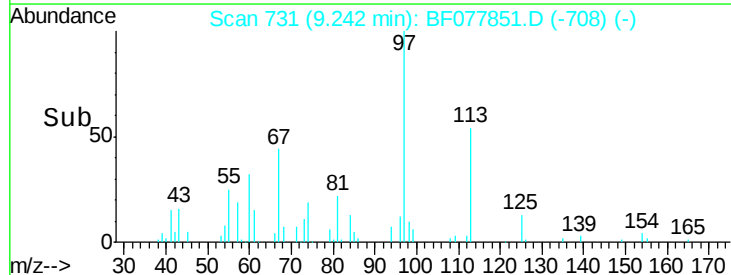
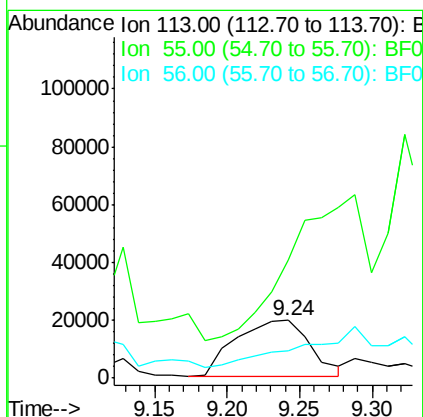
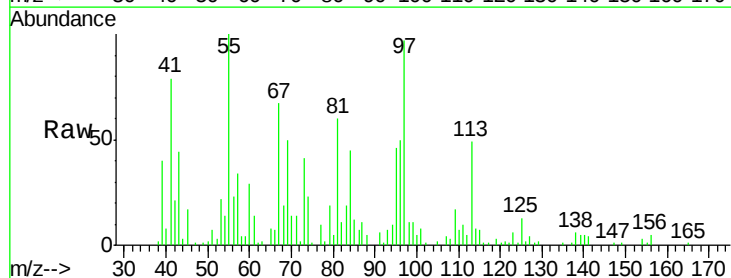
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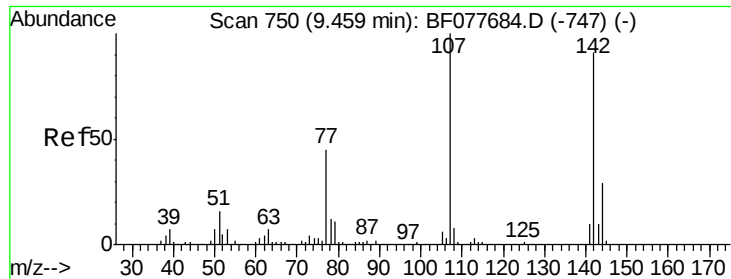
Tgt Ion:	127	Resp:	12293
Ion	Ratio	Lower	Upper
127	100		
129	19.8	25.3	37.9#
65	48.5	17.6	26.4#
92	8.4	13.1	19.7#



#35
Caprolactam
Concen: 106.06 ng
RT: 9.24 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Tgt Ion:	113	Resp:	68424
Ion	Ratio	Lower	Upper
113	100		
55	205.9	145.9	185.9#
56	48.2	101.0	141.0#





#36

4-Chloro-3-methylphenol

Concen: 3.93 ng

RT: 9.38 min Scan# 743

Delta R.T. -0.07 min

Lab File: BF077851.D

Acq: 20 Mar 2015 2:54

Instrument :

BNA_F

ClientSampleId :

MW-09

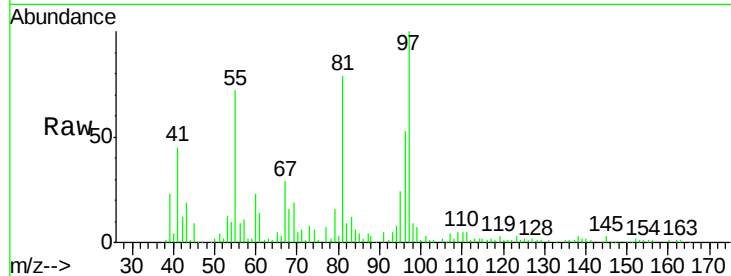
Tgt Ion:107 Resp: 8724

Ion Ratio Lower Upper

107 100

144 9.0 23.3 34.9#

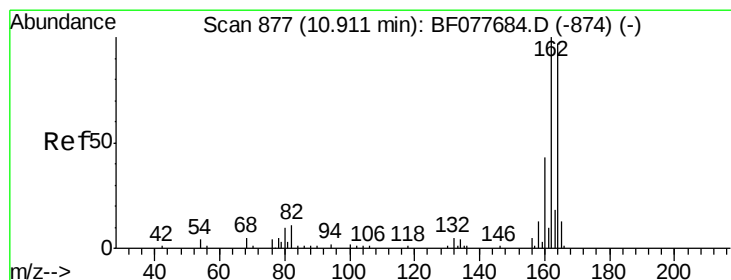
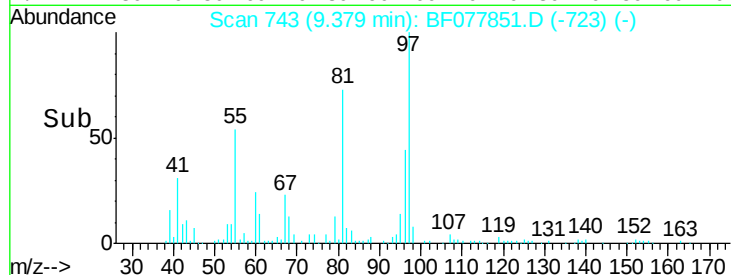
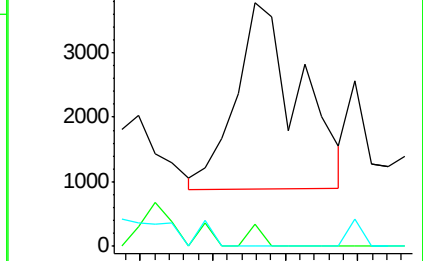
142 0.0 72.6 109.0#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.90 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF077851.D

Acq: 20 Mar 2015 2:54

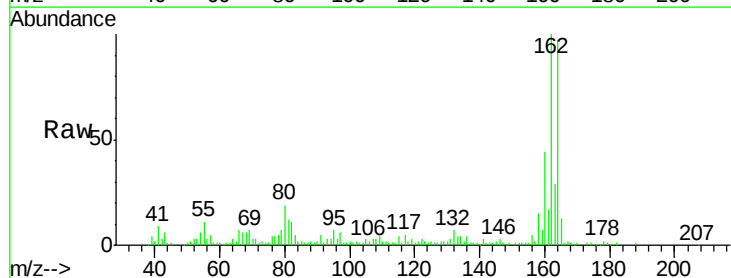
Tgt Ion:164 Resp: 88928

Ion Ratio Lower Upper

164 100

162 103.1 82.4 123.6

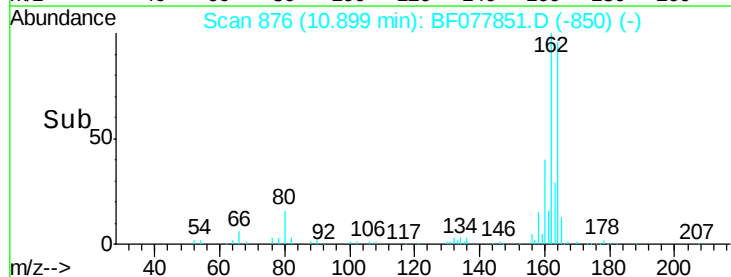
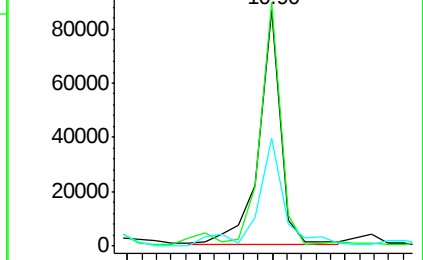
160 45.6 35.8 53.6

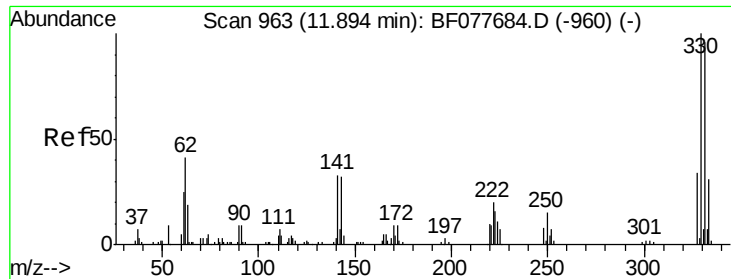


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

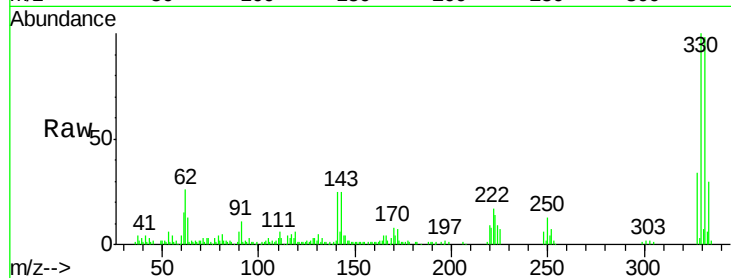




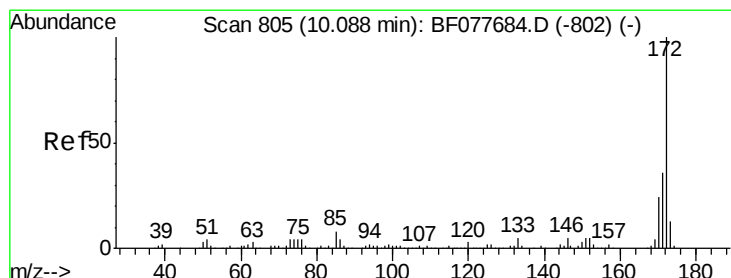
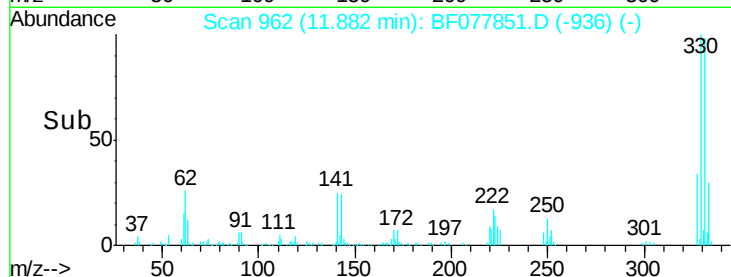
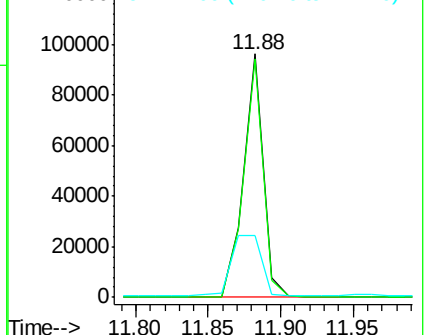
#41
 2,4,6-Tribromophenol
 Concen: 107.00 ng
 RT: 11.88 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Tgt Ion:330 Resp: 91043
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 37.7 0.0 0.0#

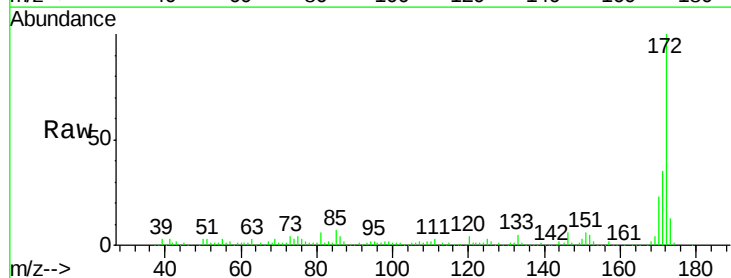


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

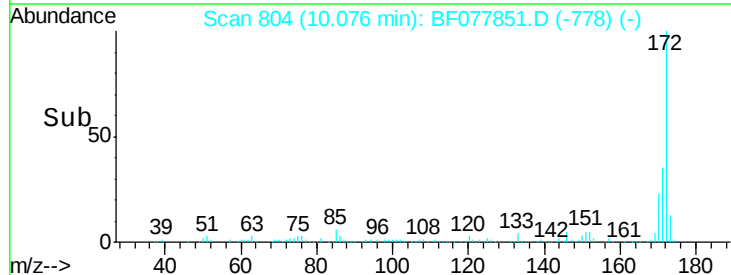
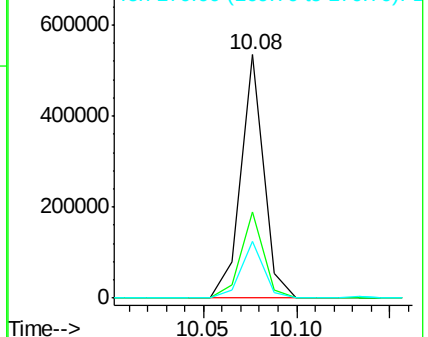


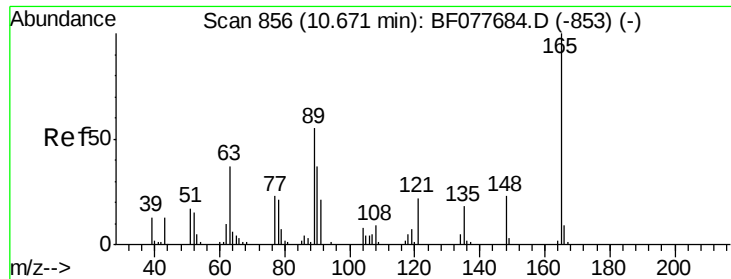
#44
 2-Fluorobiphenyl
 Concen: 76.03 ng
 RT: 10.08 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Tgt Ion:172 Resp: 460046
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 23.1 18.8 28.2



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

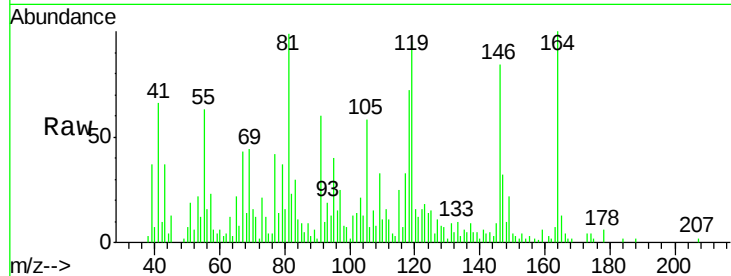




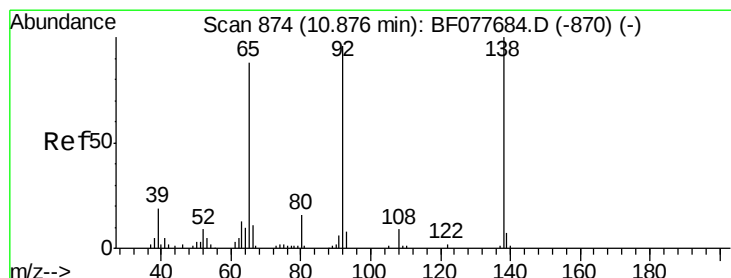
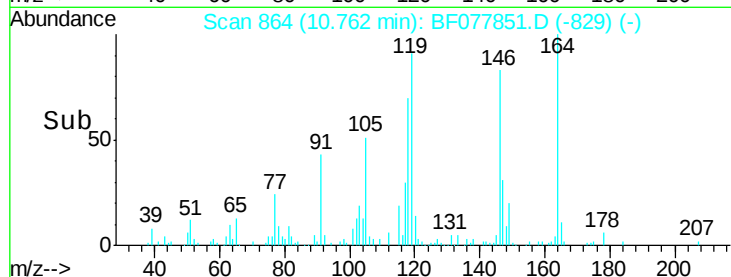
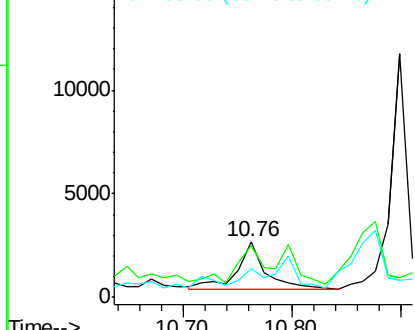
#50
2,6-Dinitrotoluene
Concen: 3.19 ng
RT: 10.76 min Scan# 864
Delta R.T. 0.10 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Instrument :
BNA_F
ClientSampleId :
MW-09

Tgt Ion:165 Resp: 4367
Ion Ratio Lower Upper
165 100
63 93.3 44.1 66.1#
89 51.5 44.3 66.5

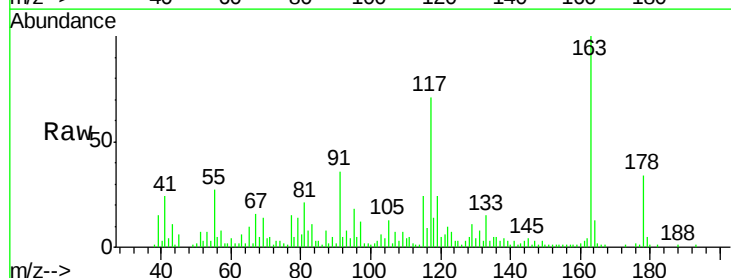


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

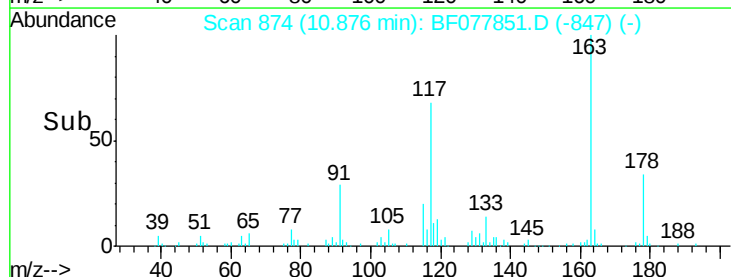
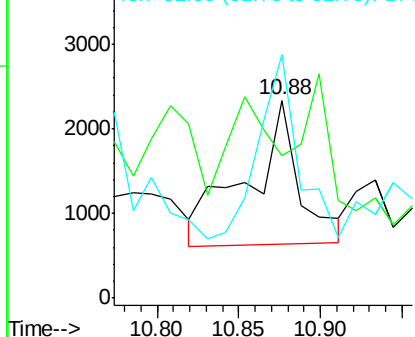


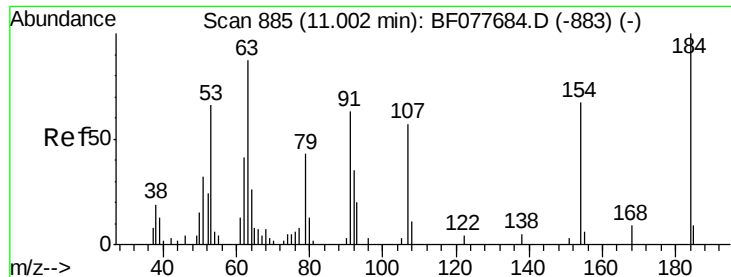
#52
3-Nitroaniline
Concen: 2.37 ng
RT: 10.88 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Tgt Ion:138 Resp: 3758
Ion Ratio Lower Upper
138 100
108 72.2 7.3 10.9#
92 123.1 76.6 114.8#



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

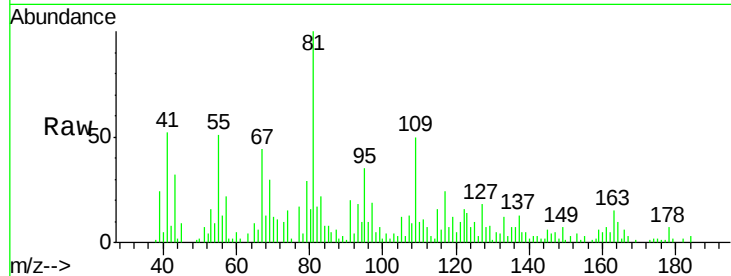




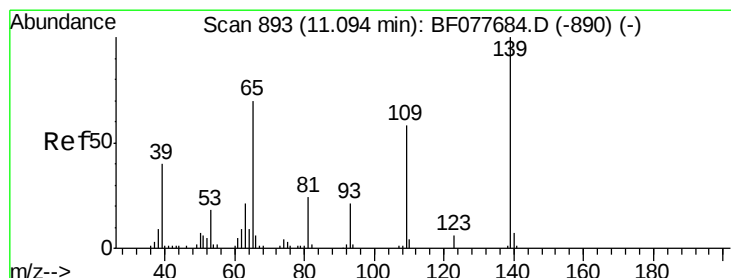
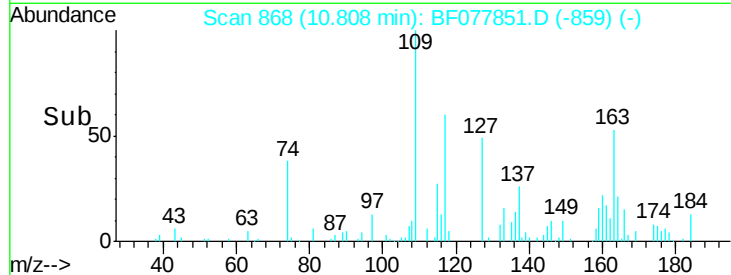
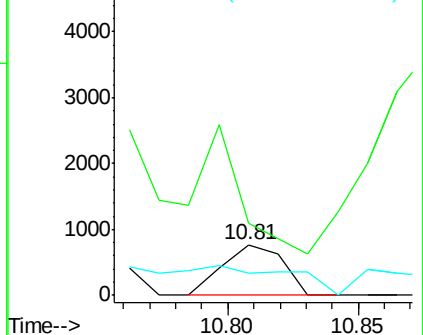
#53
 2,4-Dinitrophenol
 Concen: 10.29 ng
 RT: 10.81 min Scan# 868
 Delta R.T. -0.19 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Instrument :
 BNA_F
 ClientSampled :
 MW-09

Tgt Ion:184 Resp: 1245
 Ion Ratio Lower Upper
 184 100
 63 141.8 69.2 103.8#
 154 43.9 53.3 79.9#

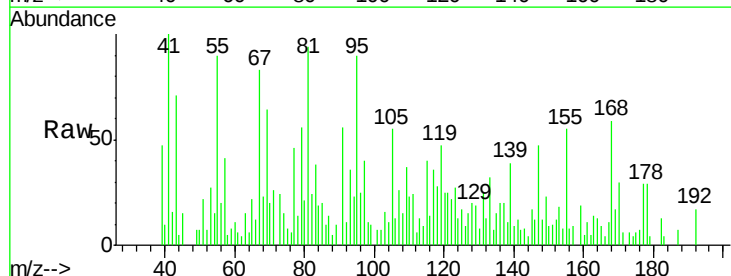


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

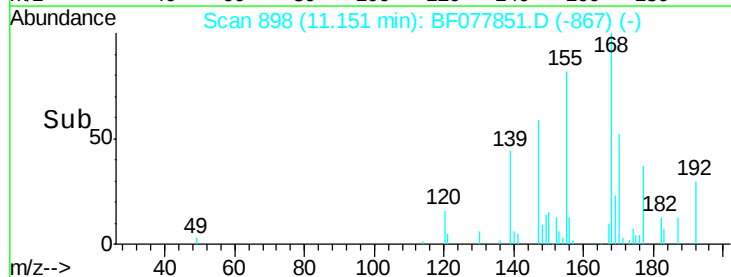
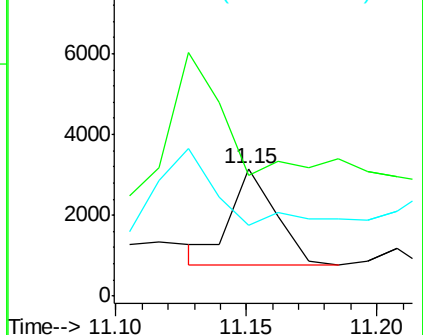


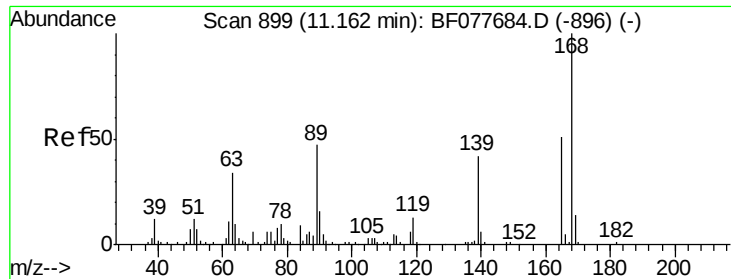
#55
 4-Nitrophenol
 Concen: 2.43 ng
 RT: 11.15 min Scan# 898
 Delta R.T. 0.06 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Tgt Ion:139 Resp: 2864
 Ion Ratio Lower Upper
 139 100
 109 94.9 37.7 77.7#
 65 55.4 49.9 89.9



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

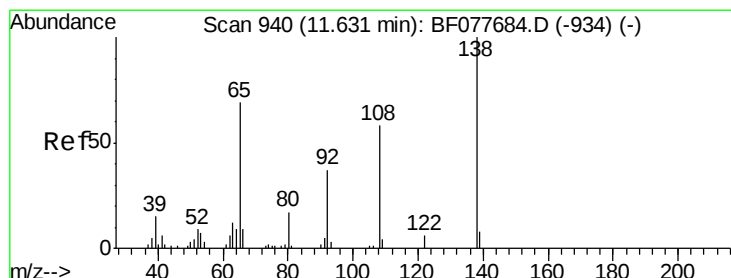
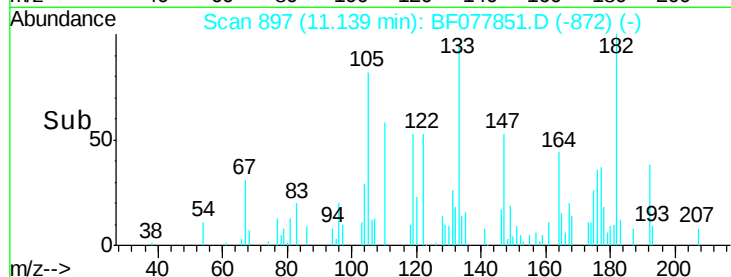
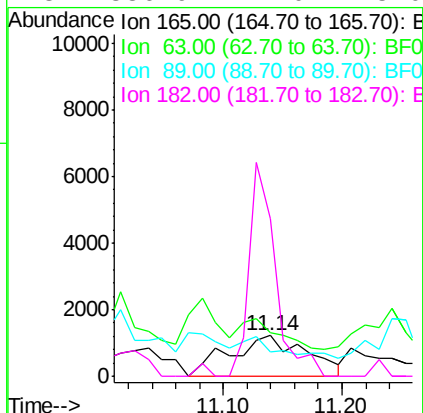
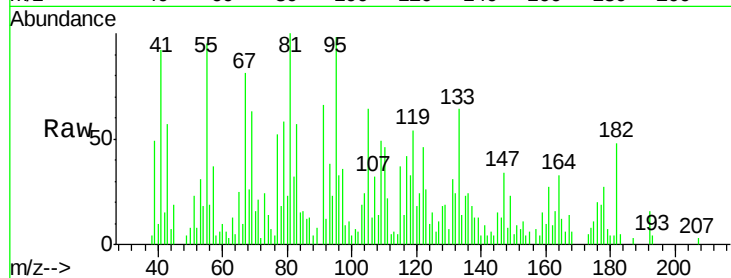




#56
2,4-Dinitrotoluene
Concen: 3.06 ng
RT: 11.14 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

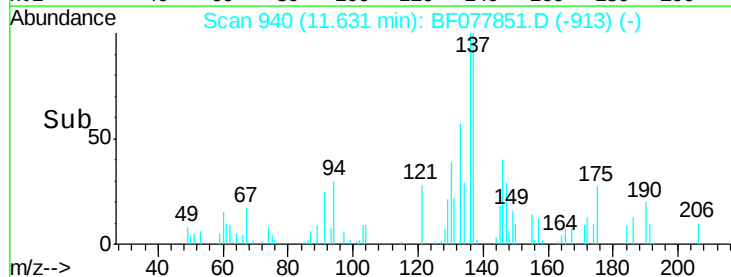
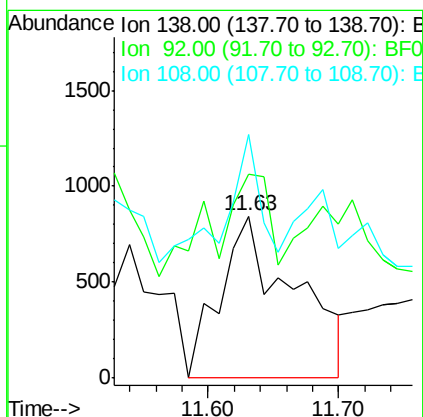
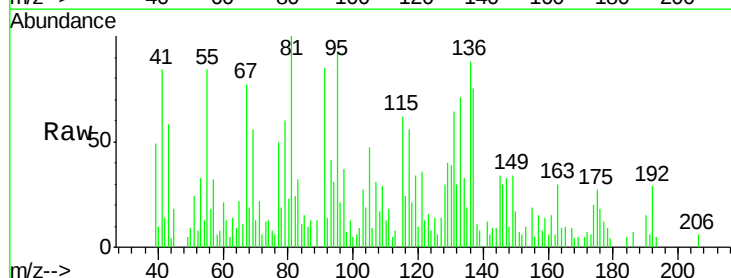
Instrument :
BNA_F
ClientSampleId :
MW-09

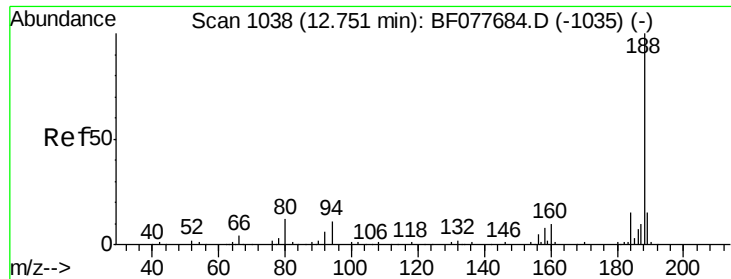
Tgt Ion:165 Resp: 5458
Ion Ratio Lower Upper
165 100
63 106.5 52.4 78.6#
89 60.7 72.4 108.6#
182 386.9 2.0 3.0#



#61
4-Nitroaniline
Concen: 2.11 ng
RT: 11.63 min Scan# 940
Delta R.T. 0.01 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Tgt Ion:138 Resp: 3340
Ion Ratio Lower Upper
138 100
92 126.2 16.7 56.7#
108 150.2 37.6 77.6#

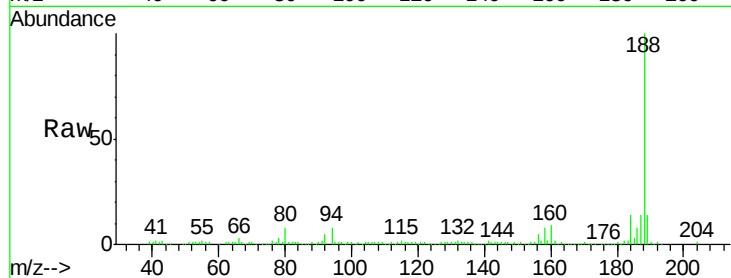




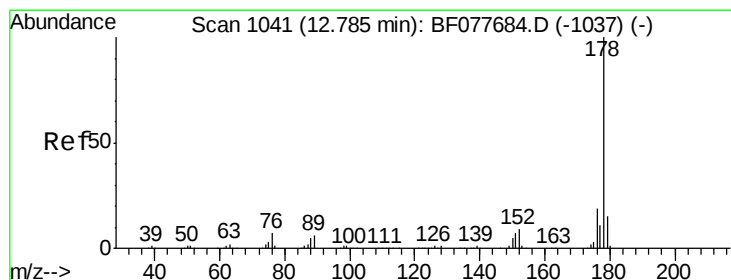
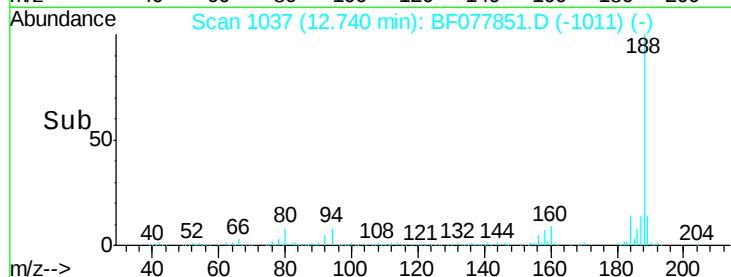
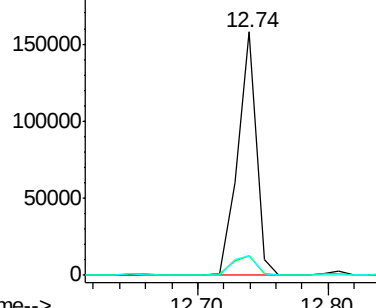
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.74 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Instrument :
BNA_F
ClientSampleId :
MW-09

Tgt Ion:188 Resp: 158280
Ion Ratio Lower Upper
188 100
94 8.3 8.7 13.1#
80 8.3 9.3 13.9#

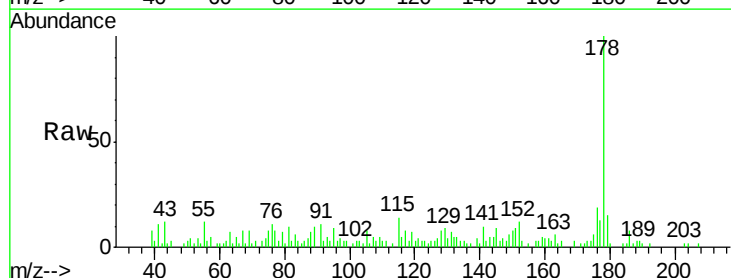


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

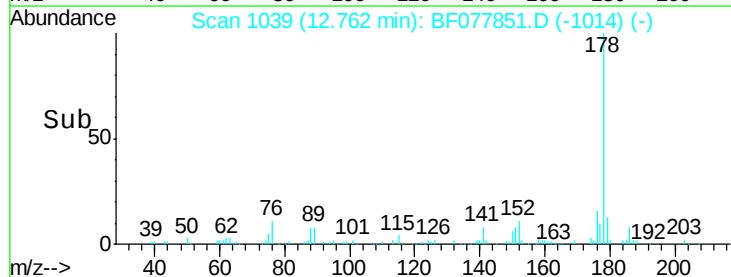
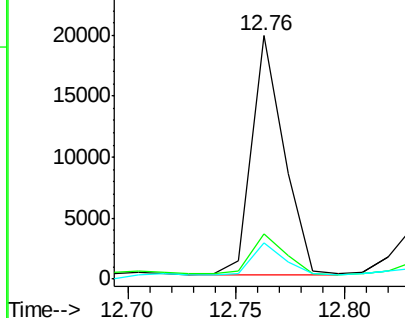


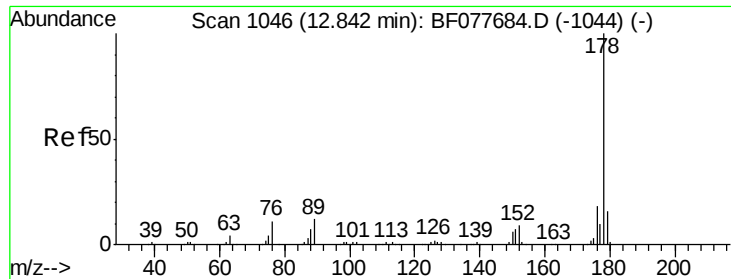
#70
Phenanthrene
Concen: 2.22 ng
RT: 12.76 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF077851.D
Acq: 20 Mar 2015 2:54

Tgt Ion:178 Resp: 20139
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 14.8 12.1 18.1



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

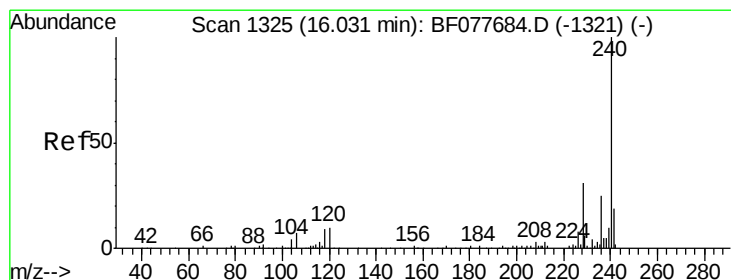
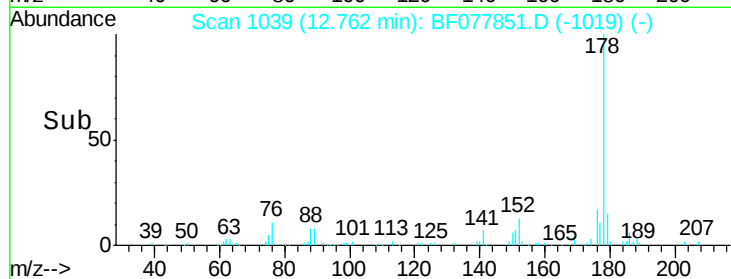
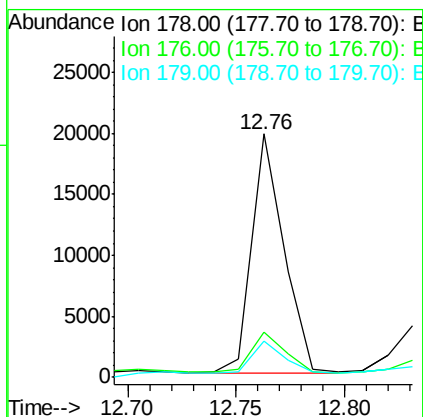
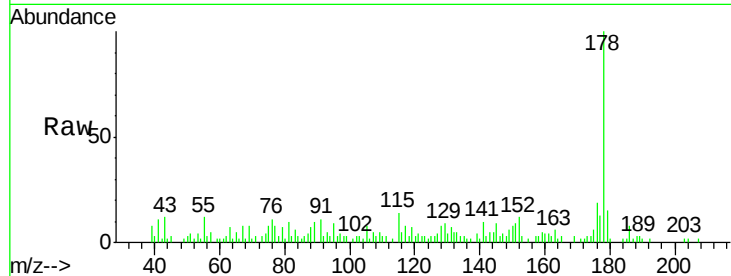




#71
 Anthracene
 Concen: 2.24 ng
 RT: 12.76 min Scan# 1039
 Delta R.T. -0.07 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

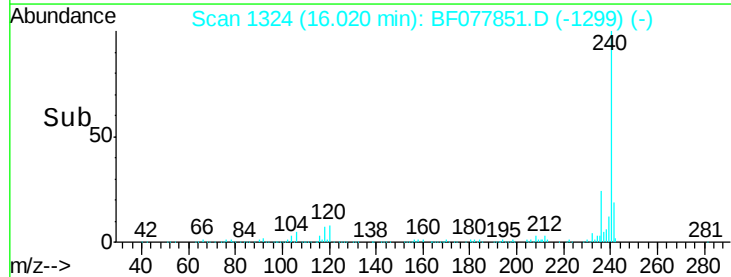
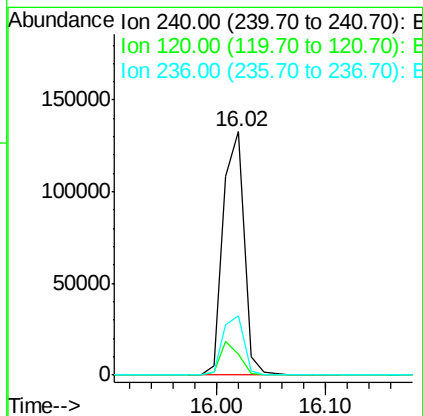
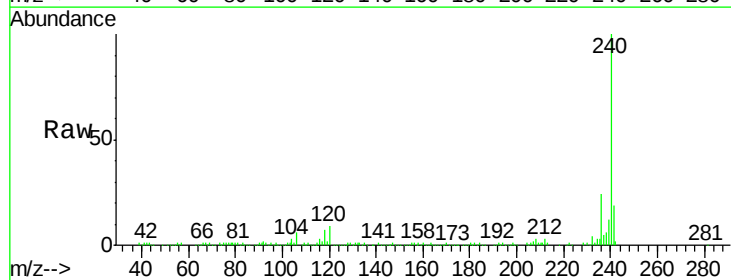
Instrument :
 BNA_F
 ClientSampleId :
 MW-09

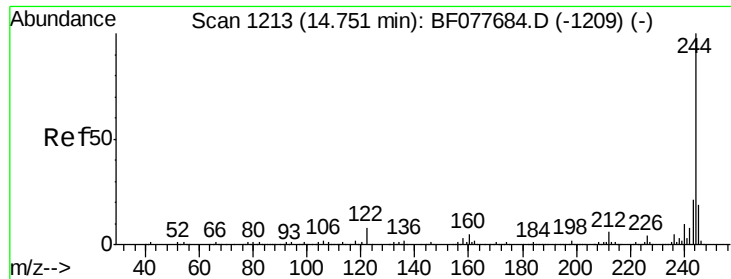
Tgt Ion:178 Resp: 20139
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 22.0
 179 14.8 12.6 19.0



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.02 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Tgt Ion:240 Resp: 178252
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.2 12.2
 236 24.5 20.0 30.0

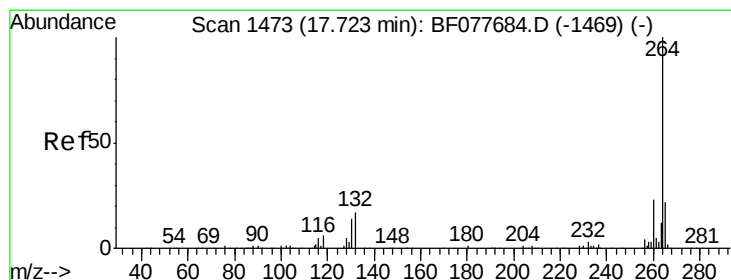
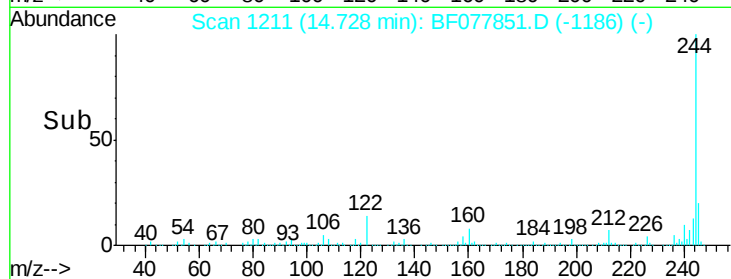
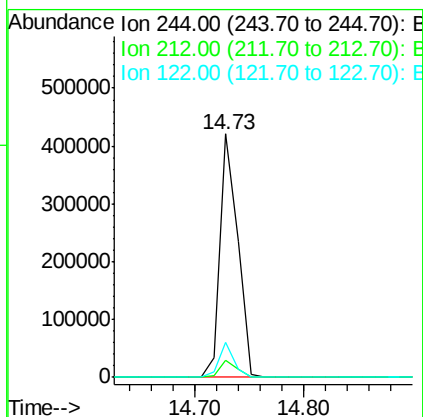
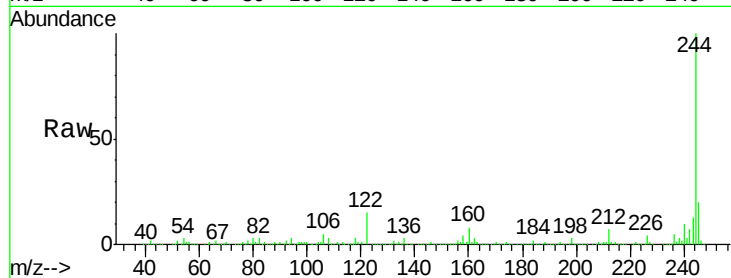




#78
 Terphenyl-d14
 Concen: 65.59 ng
 RT: 14.73 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Tgt Ion: 244 Resp: 478651
 Ion Ratio Lower Upper
 244 100
 212 7.2 4.9 7.3
 122 14.5 6.2 9.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.70 min Scan# 1471
 Delta R.T. -0.06 min
 Lab File: BF077851.D
 Acq: 20 Mar 2015 2:54

Tgt Ion: 264 Resp: 183443
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 27.8
 265 21.3 17.3 25.9

