

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077538.D
 Acq On : 2 Mar 2015 22:44
 Operator : TP/IZ
 Sample : G1402-04 2X
 Misc : S
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW41

Quant Time: Mar 03 03:39:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 23:46:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	55186	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	175368	20.00	ng	0.03
38) Acenaphthene-d10	11.02	164	120658	20.00	ng	0.00
63) Phenanthrene-d10	12.87	188	200110	20.00	ng	0.02
75) Chrysene-d12	16.17	240	197670	20.00	ng	0.04
86) Perylene-d12	17.93	264	229718	20.00	ng	0.10

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	122339	37.01	ng	0.01
7) Phenol-d6	6.82	99	98469	23.17	ng	0.00
23) Nitrobenzene-d5	7.95	82	214341	76.00	ng	0.00
41) 2,4,6-Tribromophenol	12.00	330	91145	78.45	ng	0.01
44) 2-Fluorobiphenyl	10.19	172	497729	64.32	ng	0.00
78) Terphenyl-d14	14.86	244	507744	60.05	ng	0.02

Target Compounds

						Qvalue
3) Pyridine	2.93	79	10378	2.59	ng	# 40
9) Benzaldehyde	6.72	77	91047	35.28	ng	# 1
15) Benzyl Alcohol	7.48	79	20086	6.22	ng	# 1
17) 2-Methylphenol	7.59	107	6327	2.08	ng	# 1
18) Hexachloroethane	7.93	117	112067	77.67	ng	# 1
22) Acetophenone	7.76	105	52657	12.76	ng	# 49
24) Nitrobenzene	8.03	77	25074	8.45	ng	# 7
27) 2,4-Dimethylphenol	8.44	122	7853	2.89	ng	# 81
31) Naphthalene	8.90	128	14478542	1650.94	ng	# 88
33) 4-Chloroaniline	8.91	127	1593940	408.78	ng	# 36
35) Caprolactam	9.41	113	15817	20.29	ng	# 12
37) 2-Methylnaphthalene	9.74	142	5317139	853.76	ng	# 92
45) 1,1'-Biphenyl	10.31	154	1670312	182.72	ng	# 97
47) 2-Nitroaniline	10.42	65	29302	16.60	ng	# 36
48) Acenaphthylene	10.85	152	1077567	94.95	ng	# 93
51) Acenaphthene	11.07	154	2851328	421.01	ng	# 97
53) 2,4-Dinitrophenol	11.12	184	2921	5.64	ng	# 1
54) Dibenzofuran	11.27	168	668666	63.94	ng	# 93
55) 4-Nitrophenol	11.16	139	39370	24.96	ng	# 74
56) 2,4-Dinitrotoluene	11.26	165	69900	30.41	ng	# 20
57) Fluorene	11.71	166	2302345	275.40	ng	# 97
62) Azobenzene	11.91	77	18297	2.31	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.80	198	1352	5.28	ng	# 1
65) n-Nitrosodiphenylamine	11.85	169	112536	16.95	ng	# 1
70) Phenanthrene	12.91	178	6897119	594.67	ng	# 91
71) Anthracene	12.97	178	3050471	265.03	ng	# 95
72) Carbazole	13.16	167	415208	37.94	ng	# 95
74) Fluoranthene	14.39	202	3748463	295.87	ng	# 94
77) Pyrene	14.67	202	4955909	409.86	ng	# 90
80) Benzo(a)anthracene	16.16	228	2613275	225.57	ng	# 74
82) Chrysene	16.20	228	2184944	200.85	ng	# 94
87) Benzo(b)fluoranthene	17.49	252	2326806	174.18	ng	# 93
88) Benzo(k)fluoranthene	17.49	252	2325863	177.67	ng	# 98
89) Benzo(a)pyrene	17.87	252	1983276	155.89	ng	# 96

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 23:46:07 2015
Response via : Initial Calibration

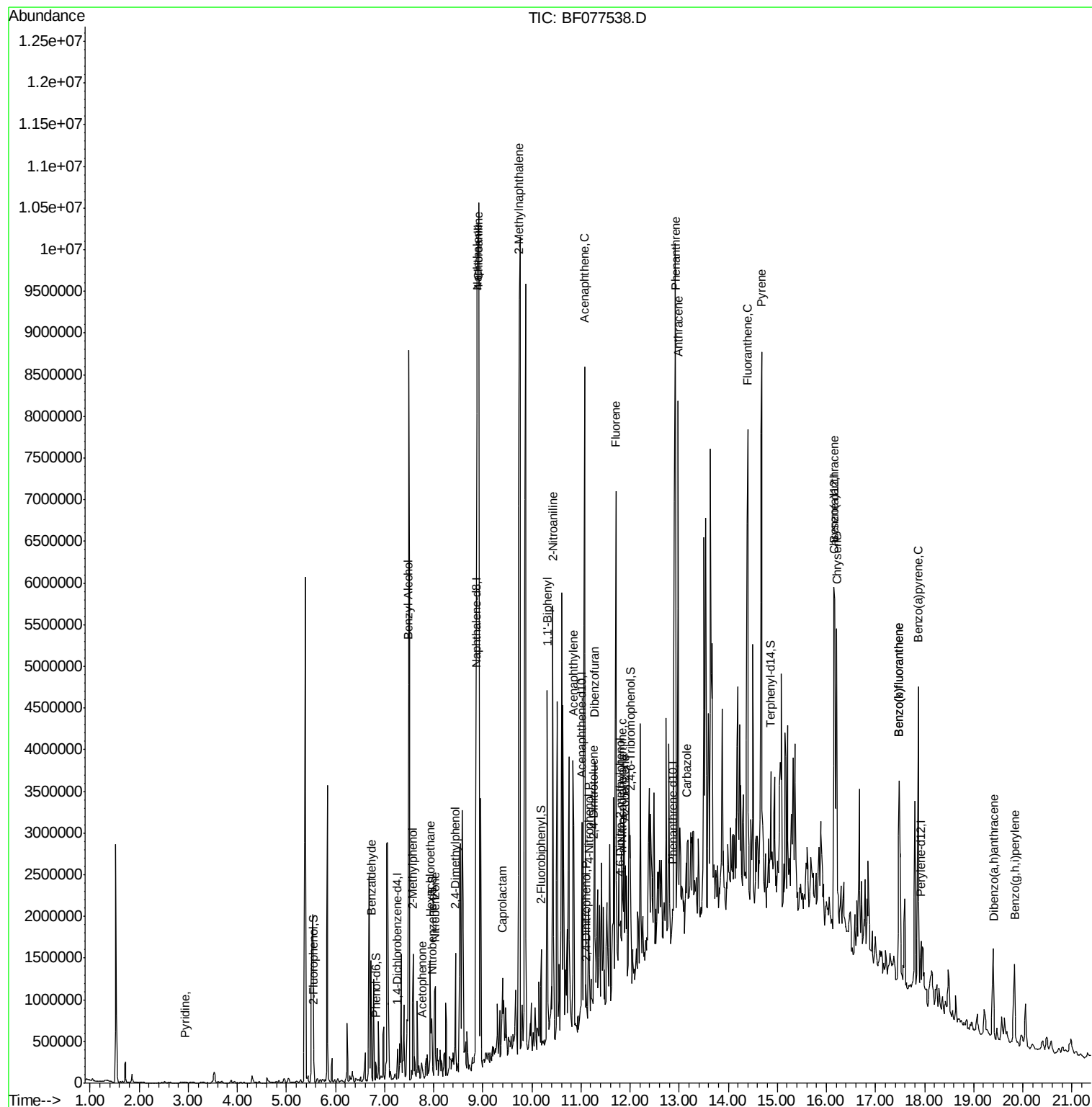
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	19.41	278	219500	18.09	ng	95
91) Benzo(g,h,i)perylene	19.83	276	861467	70.34	ng	99

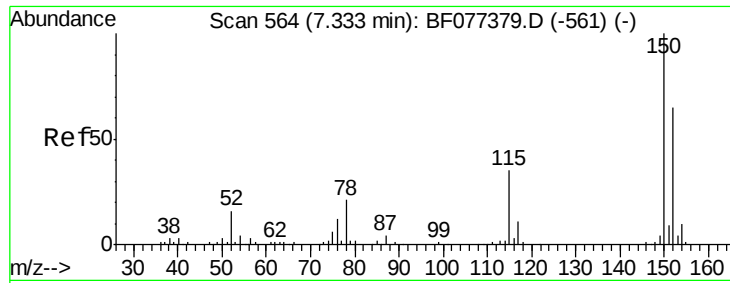
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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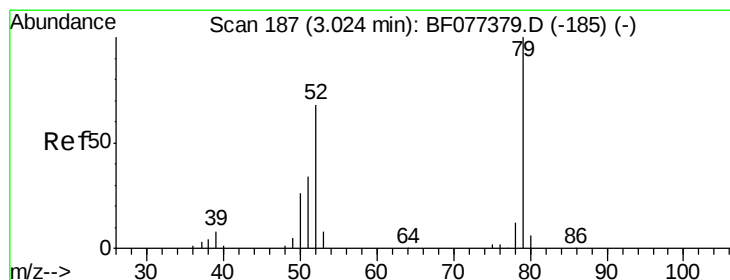
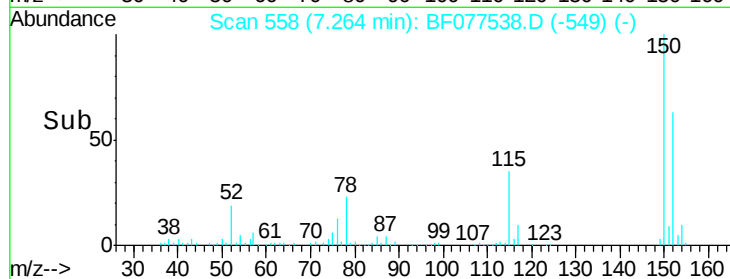
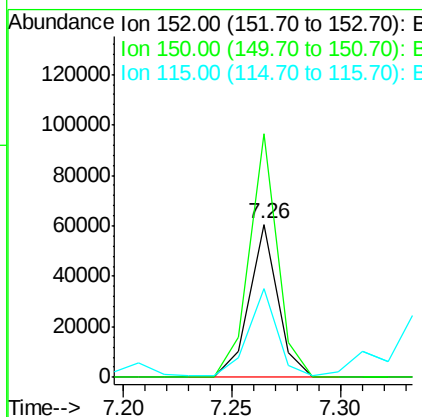
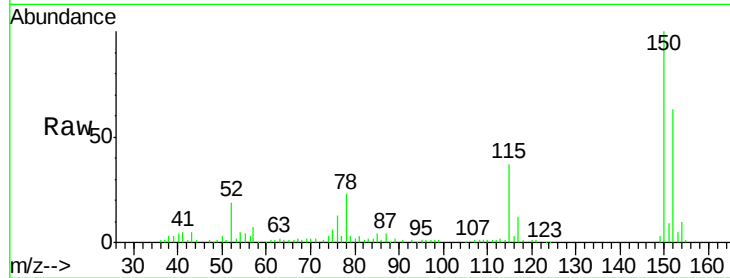




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.26 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

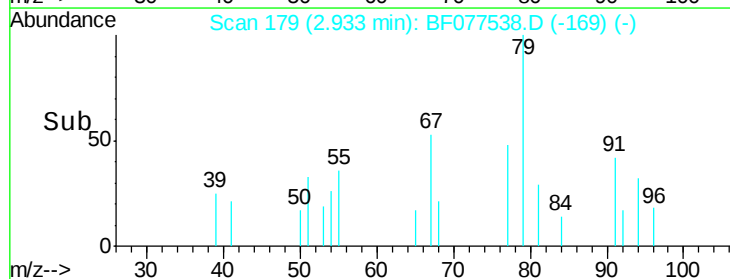
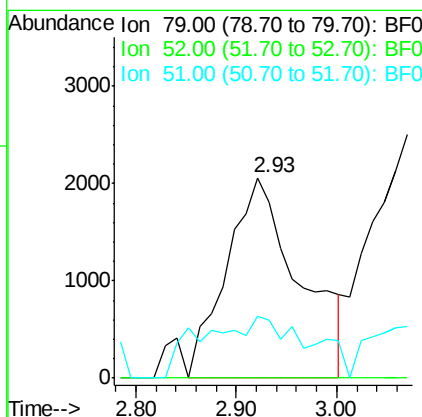
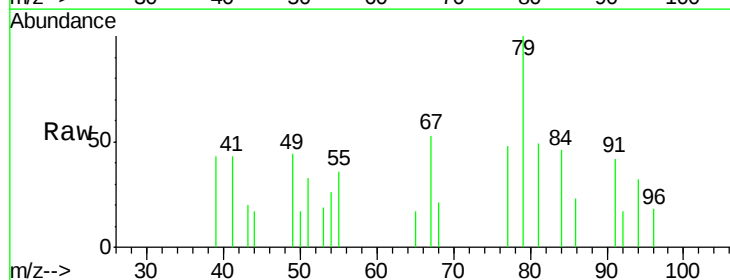
Instrument :
 BNA_F
 ClientSampleId :
 MW41

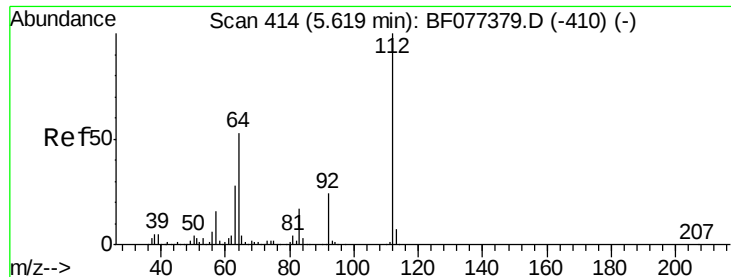
Tgt Ion:152 Resp: 55186
 Ion Ratio Lower Upper
 152 100
 150 159.2 124.0 186.0
 115 58.4 49.4 74.2



#3
 Pyridine
 Concen: 2.59 ng
 RT: 2.93 min Scan# 179
 Delta R.T. 0.01 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

Tgt Ion: 79 Resp: 10378
 Ion Ratio Lower Upper
 79 100
 52 0.0 57.7 86.5#
 51 32.7 28.5 42.7





#5

2-Fluorophenol

Concen: 37.01 ng

RT: 5.56 min Scan# 408

Delta R.T. 0.01 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

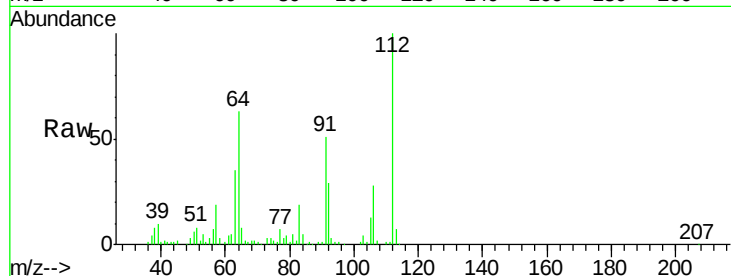
Tgt Ion:112 Resp: 122339

Ion Ratio Lower Upper

112 100

64 63.5 48.5 72.7

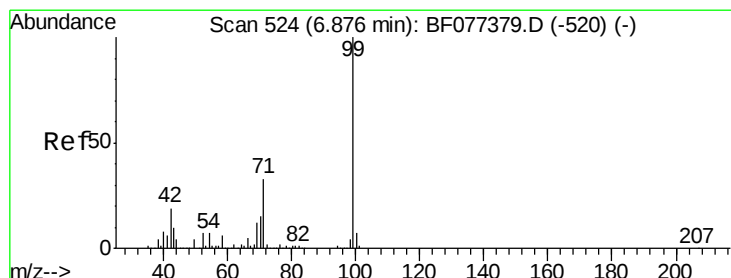
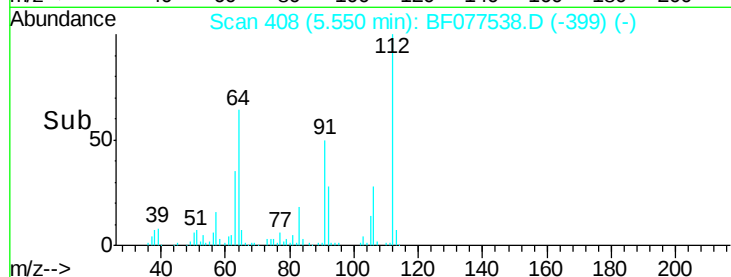
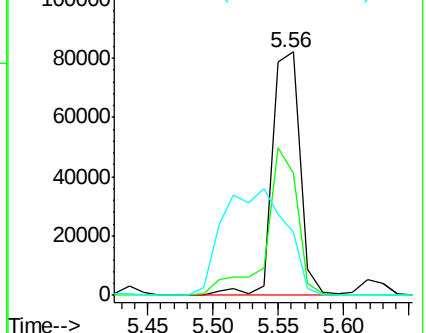
63 34.7 25.0 37.4



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: 23.17 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

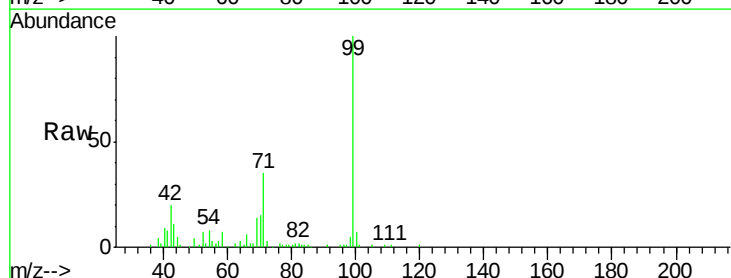
Tgt Ion: 99 Resp: 98469

Ion Ratio Lower Upper

99 100

42 20.3 16.2 24.4

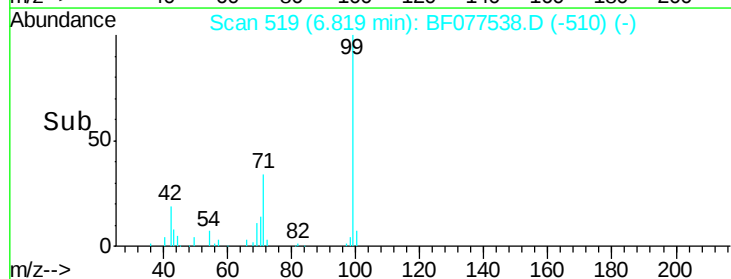
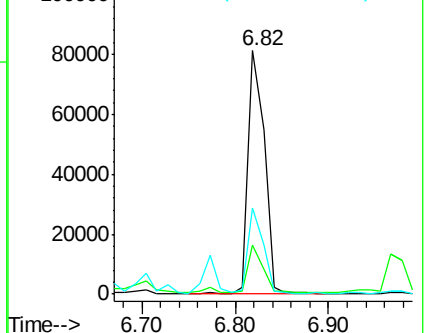
71 35.4 26.7 40.1

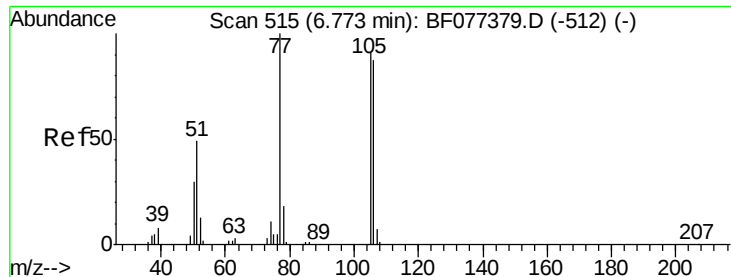


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 35.28 ng

RT: 6.72 min Scan# 510

Delta R.T. 0.02 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

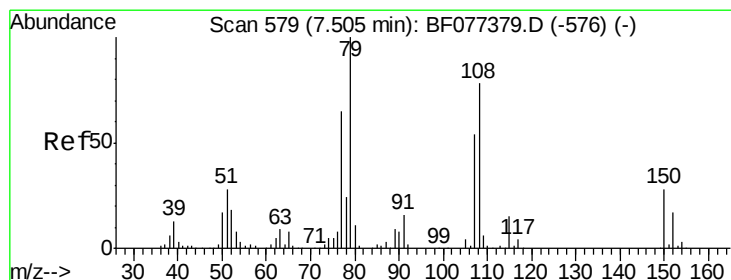
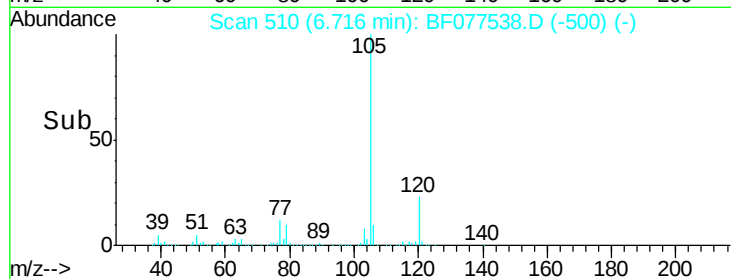
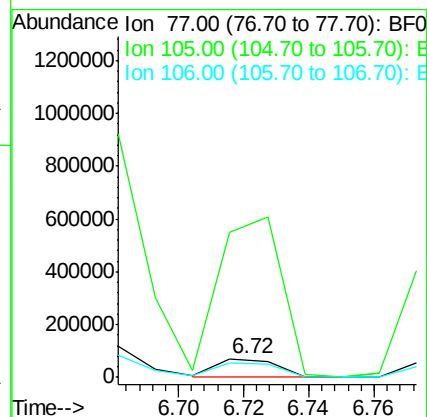
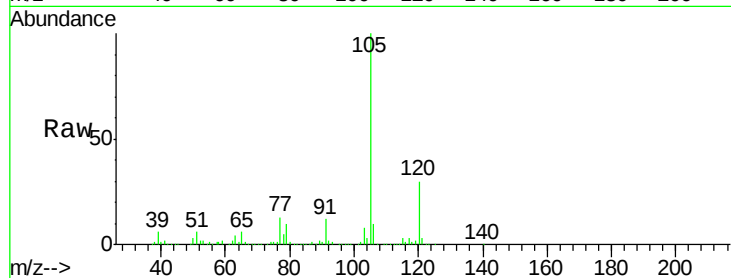
Tgt Ion: 77 Resp: 91047

Ion Ratio Lower Upper

77 100

105 775.6 85.9 125.9#

106 76.8 82.9 122.9#



#15

Benzyl Alcohol

Concen: 6.22 ng

RT: 7.48 min Scan# 577

Delta R.T. 0.04 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

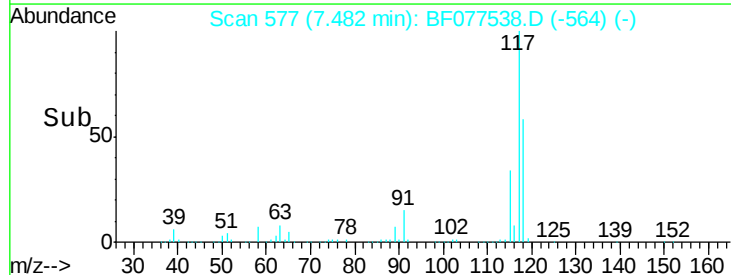
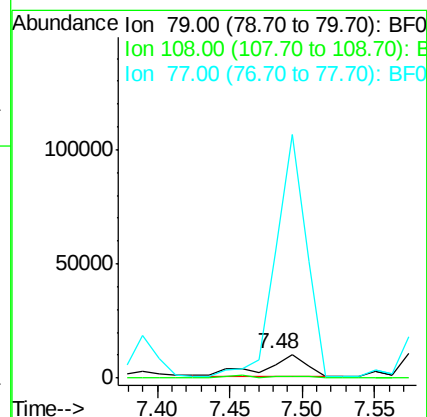
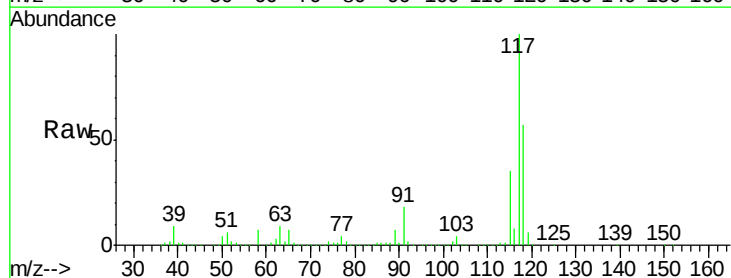
Tgt Ion: 79 Resp: 20086

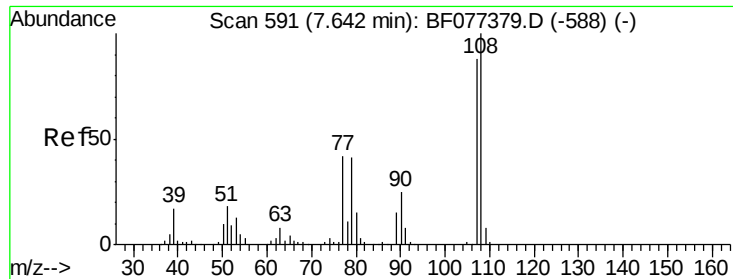
Ion Ratio Lower Upper

79 100

108 8.3 58.3 87.5#

77 940.0 51.3 76.9#

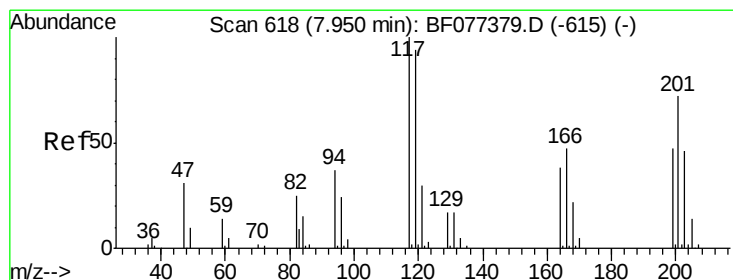
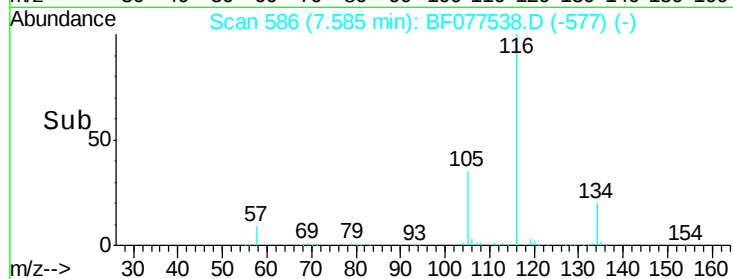
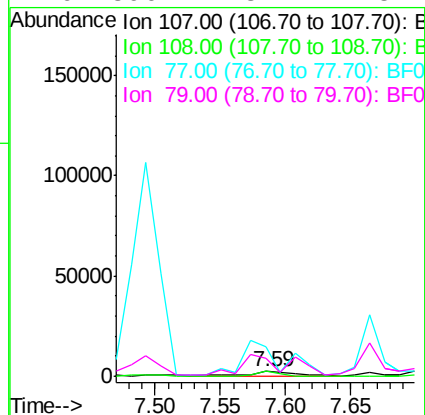
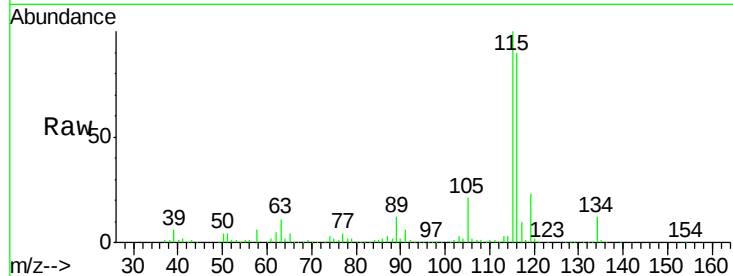




#17
2-Methylphenol
Concen: 2.08 ng
RT: 7.59 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

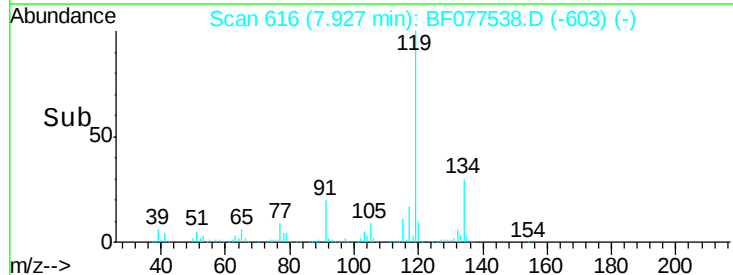
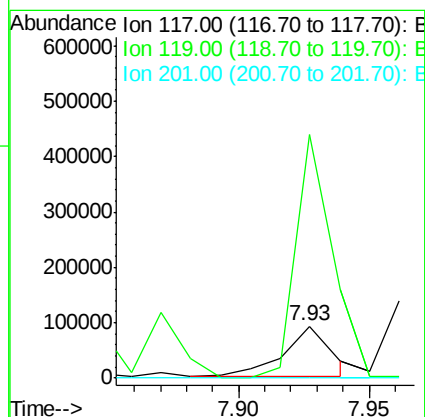
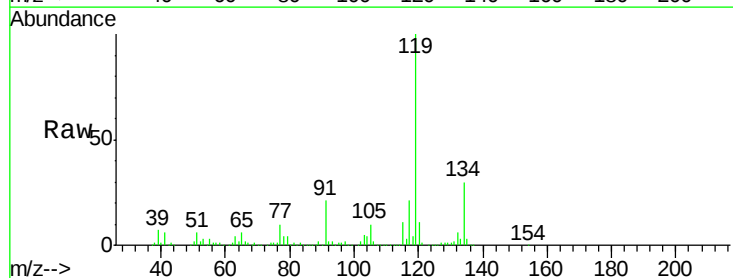
Instrument :
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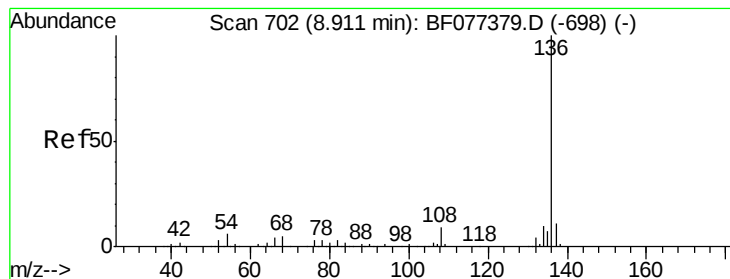
Tgt Ion:107 Resp: 6327
Ion Ratio Lower Upper
107 100
108 113.3 91.2 136.8
77 631.3 33.6 50.4#
79 396.2 32.1 48.1#



#18
Hexachloroethane
Concen: 77.67 ng
RT: 7.93 min Scan# 616
Delta R.T. 0.04 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:117 Resp: 112067
Ion Ratio Lower Upper
117 100
119 465.9 77.8 116.8#
201 0.0 90.6 136.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 698

Delta R.T. 0.03 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

Tgt Ion:136 Resp: 175368

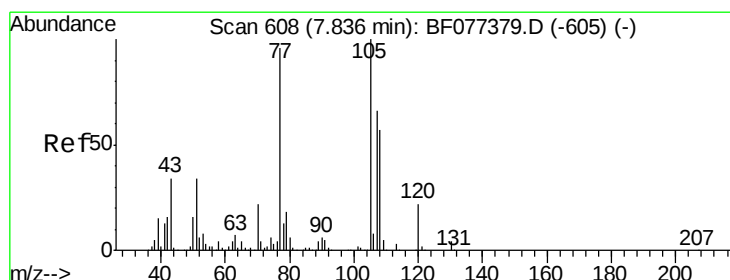
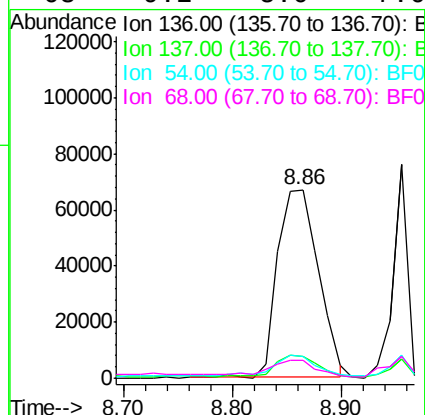
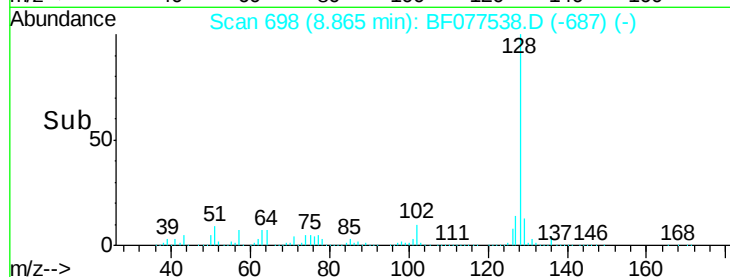
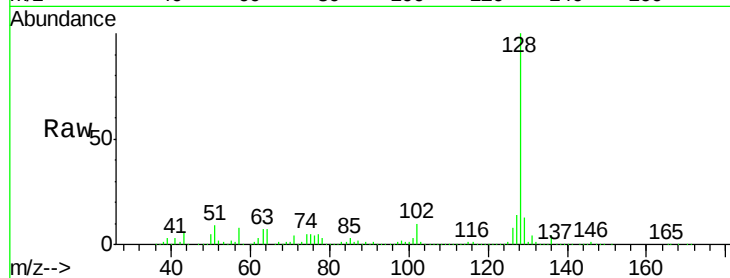
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 11.6 6.2 9.4#

68 9.2 5.0 7.6#



#22

Acetophenone

Concen: 12.76 ng

RT: 7.76 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Tgt Ion:105 Resp: 52657

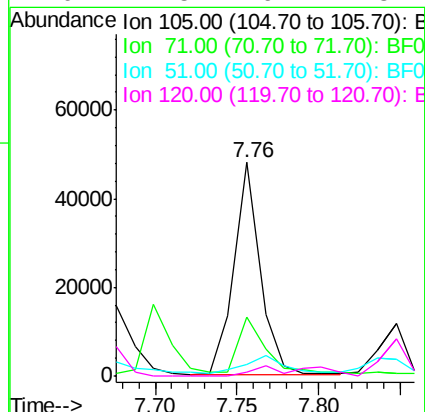
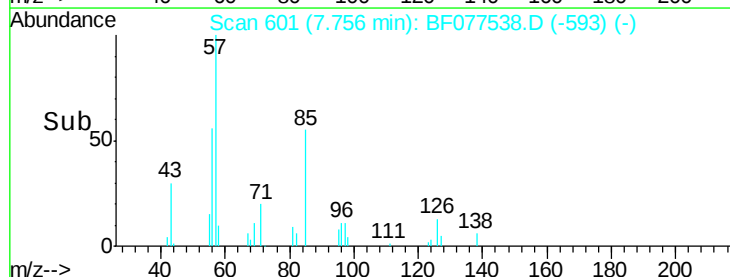
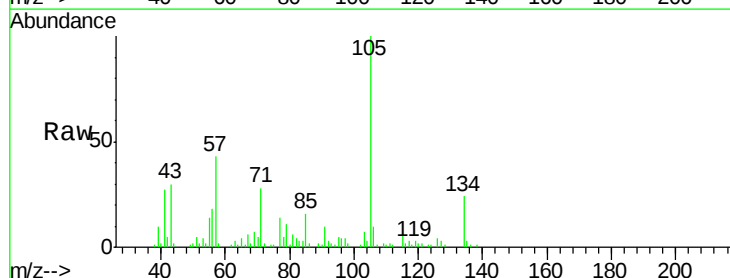
Ion Ratio Lower Upper

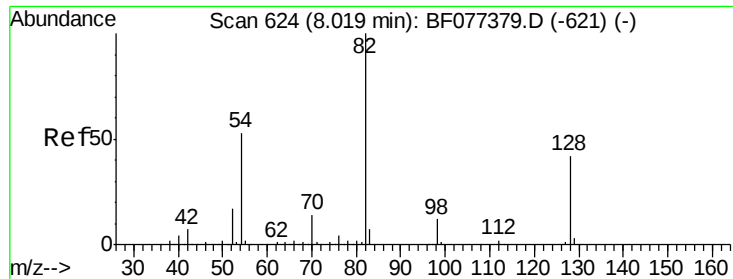
105 100

71 27.7 1.7 2.5#

51 5.2 30.7 46.1#

120 1.5 16.7 25.1#

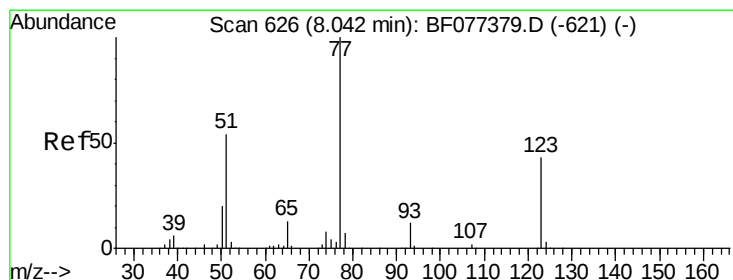
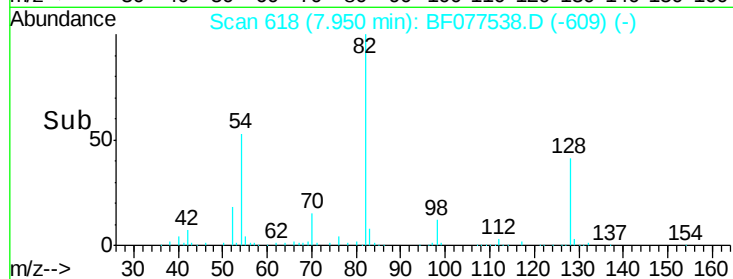
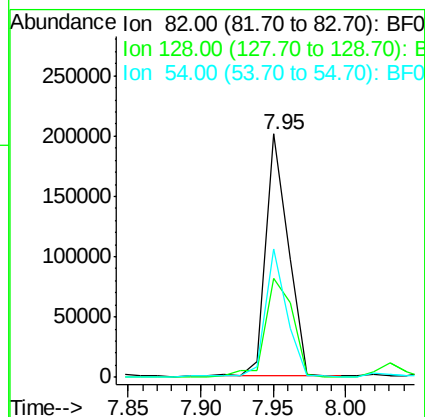
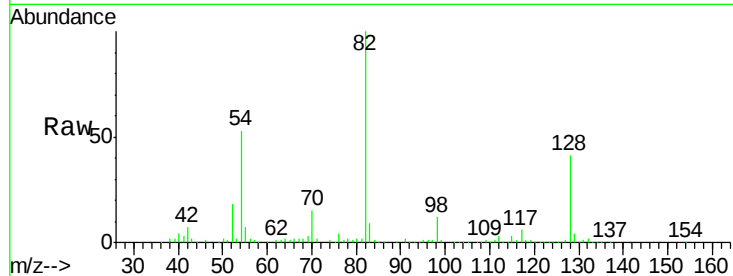




#23
 Nitrobenzene-d5
 Concen: 76.00 ng
 RT: 7.95 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

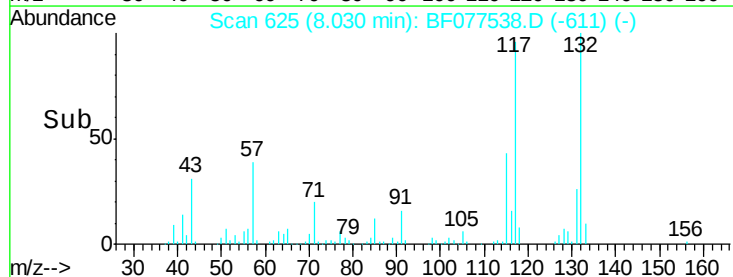
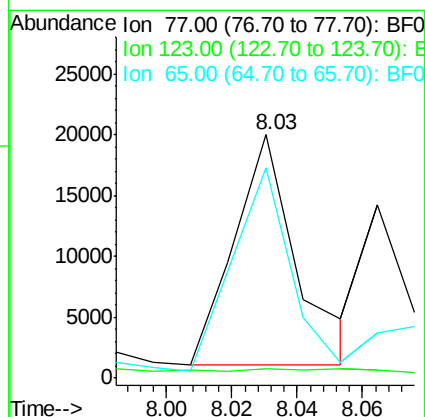
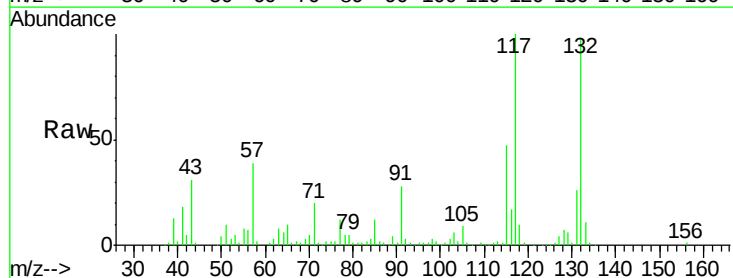
Instrument :
 BNA_F
 ClientSampled :
 MW41

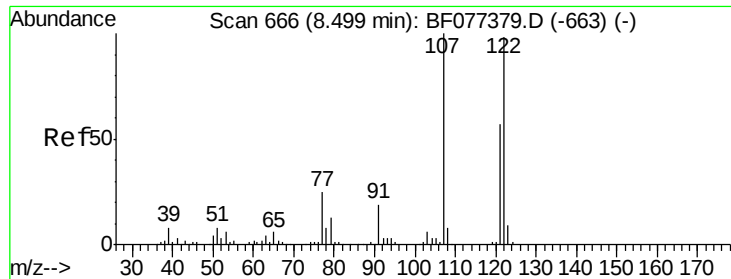
Tgt Ion: 82 Resp: 214341
 Ion Ratio Lower Upper
 82 100
 128 40.6 43.8 65.8#
 54 53.0 36.7 55.1



#24
 Nitrobenzene
 Concen: 8.45 ng
 RT: 8.03 min Scan# 625
 Delta R.T. 0.06 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

Tgt Ion: 77 Resp: 25074
 Ion Ratio Lower Upper
 77 100
 123 3.6 45.9 68.9#
 65 86.6 9.5 14.3#

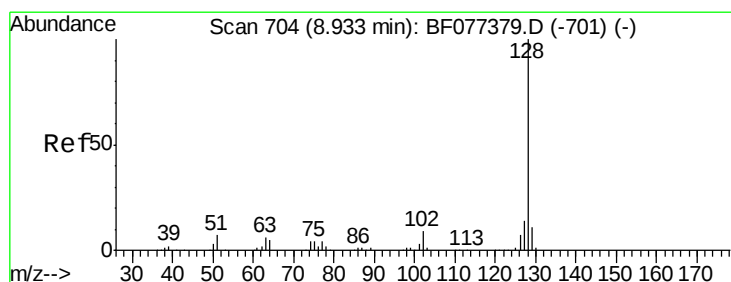
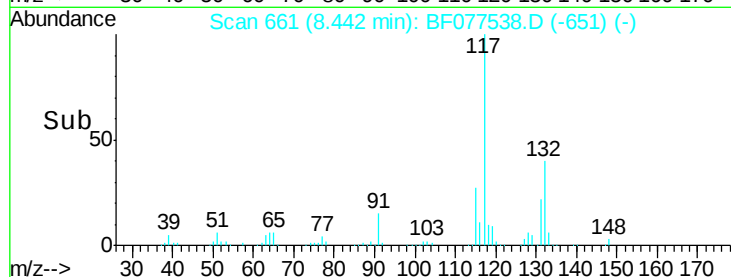
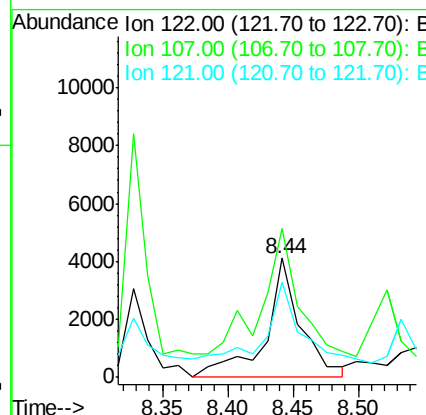
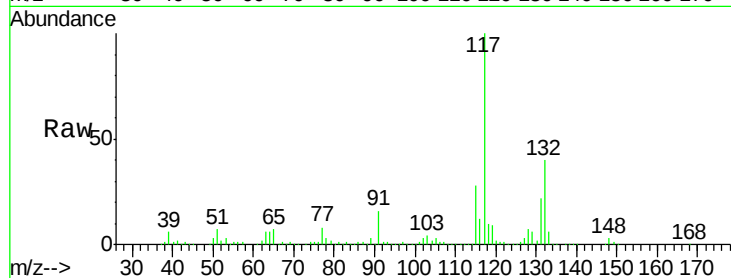




#27
2,4-Dimethylphenol
Concen: 2.89 ng
RT: 8.44 min Scan# 661
Delta R.T. 0.01 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

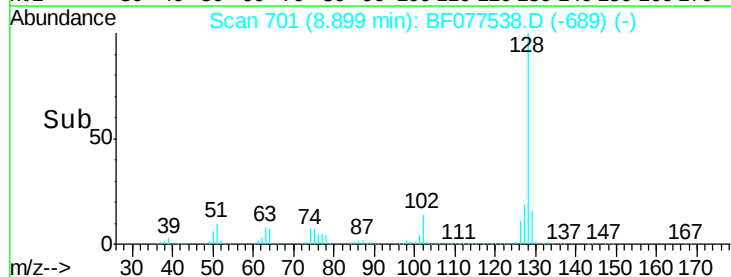
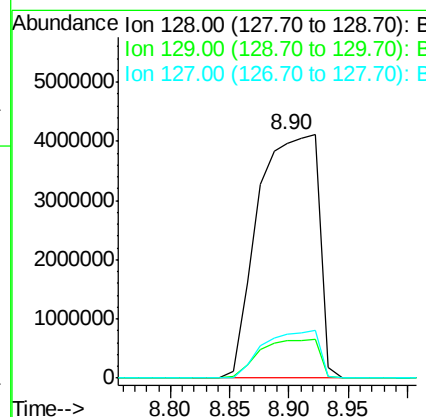
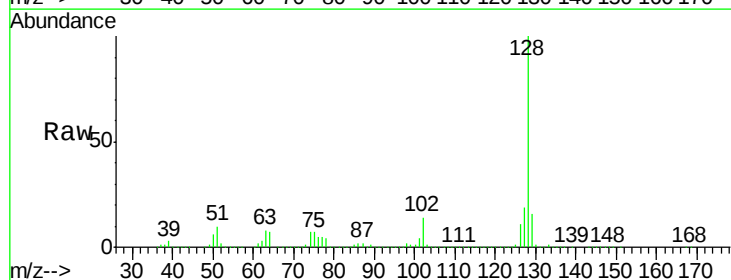
Instrument :
BNA_F
ClientSampleId :
MW41

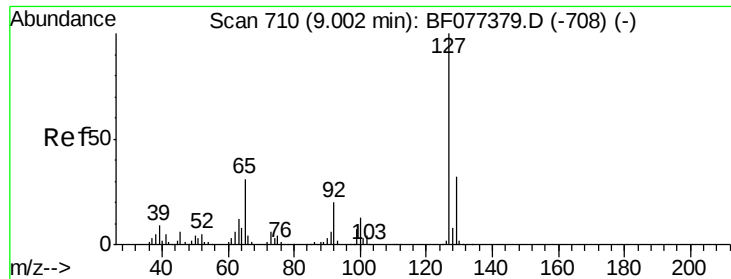
Tgt Ion:122 Resp: 7853
Ion Ratio Lower Upper
122 100
107 124.2 86.6 130.0
121 79.3 47.4 71.0#



#31
Naphthalene
Concen: 1650.94 ng
RT: 8.90 min Scan# 701
Delta R.T. 0.04 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:128 Resp:14478542
Ion Ratio Lower Upper
128 100
129 15.8 9.4 14.0#
127 18.6 10.6 15.8#

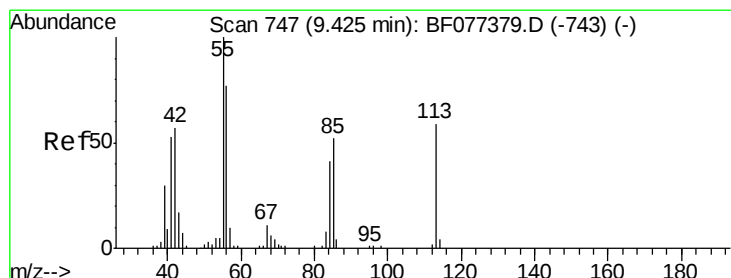
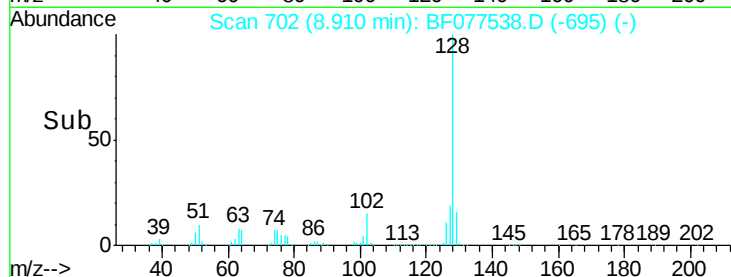
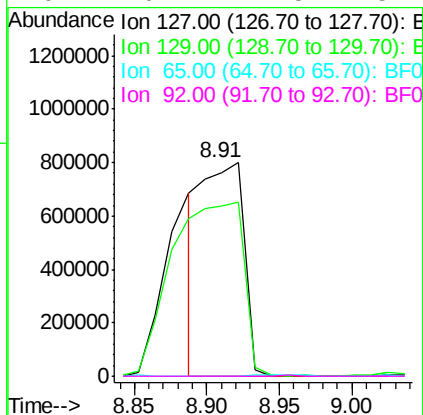
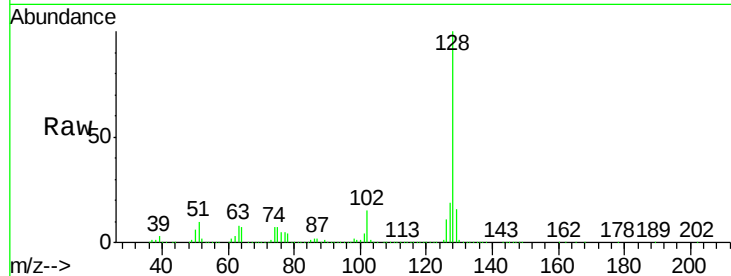




#33
4-Chloroaniline
Concen: 408.78 ng
RT: 8.91 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

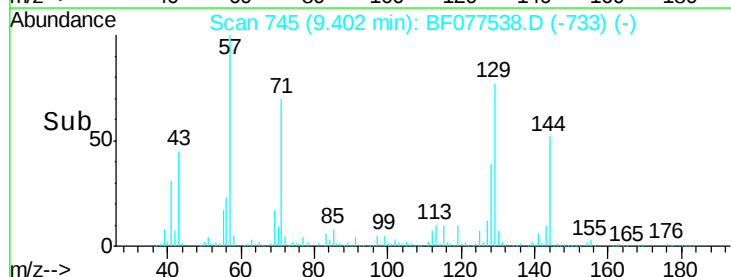
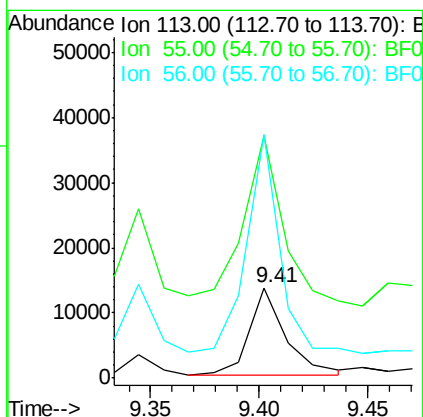
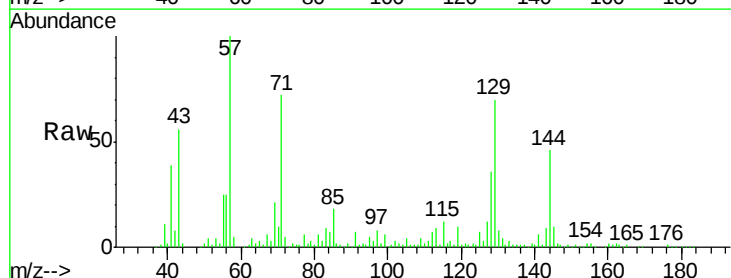
Instrument :
BNA_F
ClientSampleId :
MW41

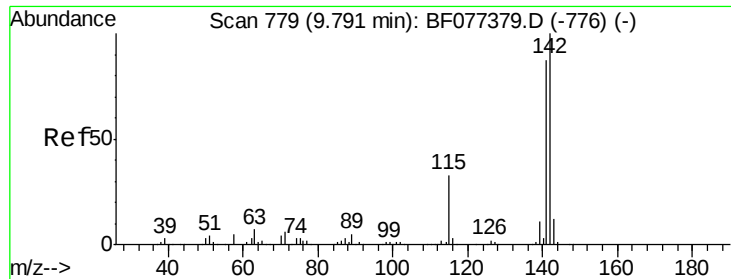
Tgt Ion:127 Resp: 1593940
Ion Ratio Lower Upper
127 100
129 83.5 26.9 40.3#
65 0.0 16.7 25.1#
92 0.1 12.5 18.7#



#35
Caprolactam
Concen: 20.29 ng
RT: 9.41 min Scan# 745
Delta R.T. 0.05 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:113 Resp: 15817
Ion Ratio Lower Upper
113 100
55 268.7 154.6 194.6#
56 269.5 114.0 154.0#

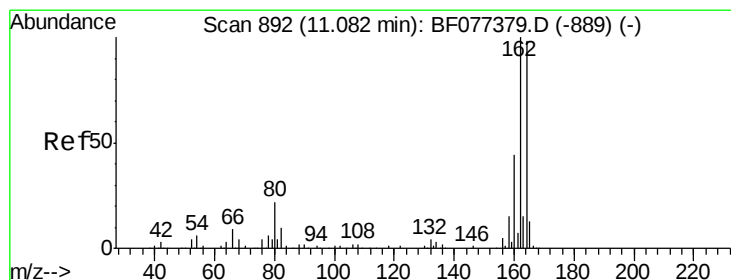
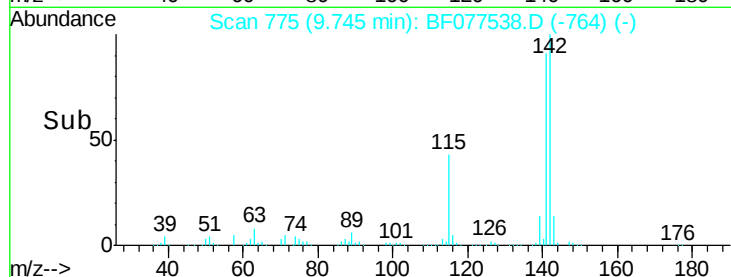
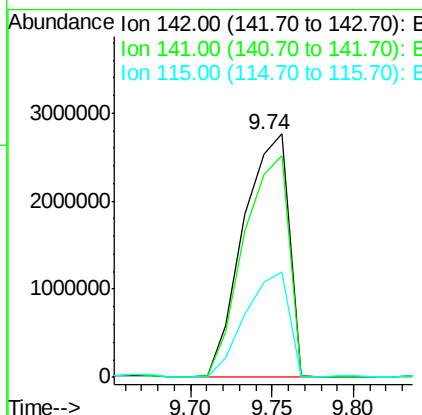
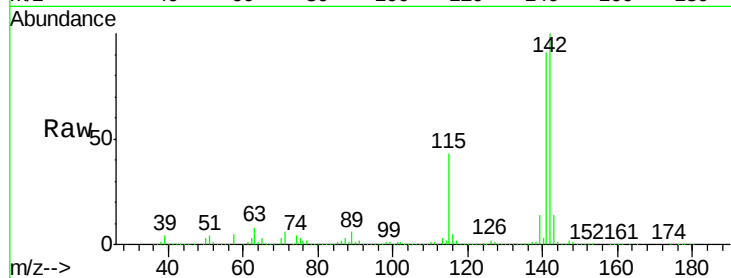




#37
2-Methylnaphthalene
Concen: 853.76 ng
RT: 9.74 min Scan# 775
Delta R.T. 0.02 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

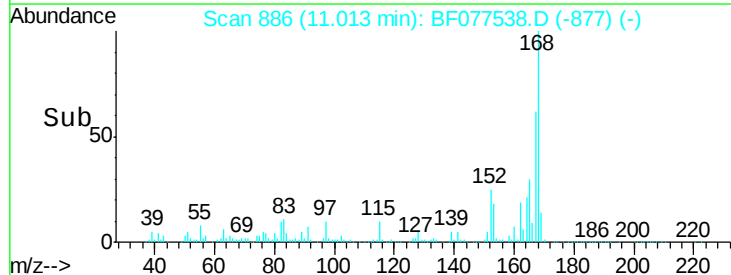
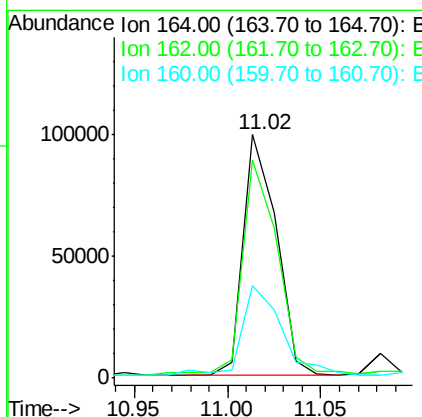
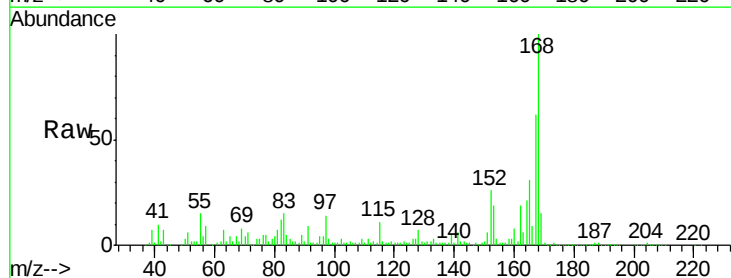
Instrument :
BNA_F
ClientSampleId :
MW41

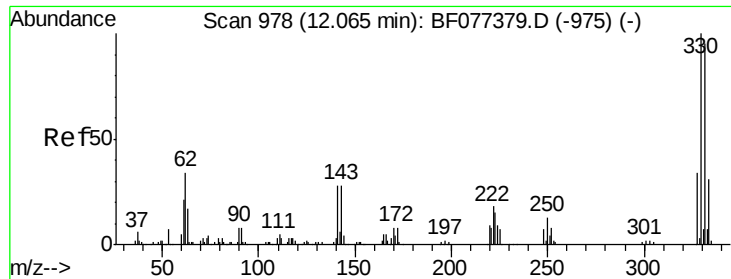
Tgt Ion:142 Resp: 5317139
Ion Ratio Lower Upper
142 100
141 91.1 70.7 106.1
115 42.9 24.2 36.4#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:164 Resp: 120658
Ion Ratio Lower Upper
164 100
162 89.3 83.2 124.8
160 37.9 34.6 52.0

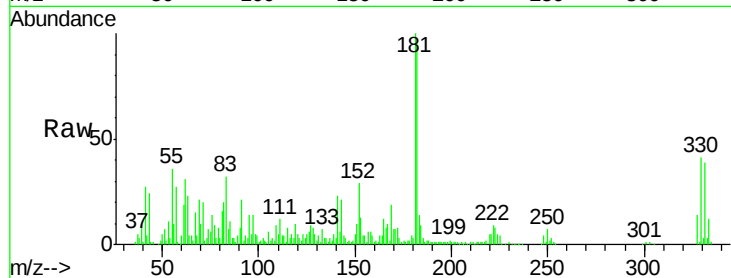




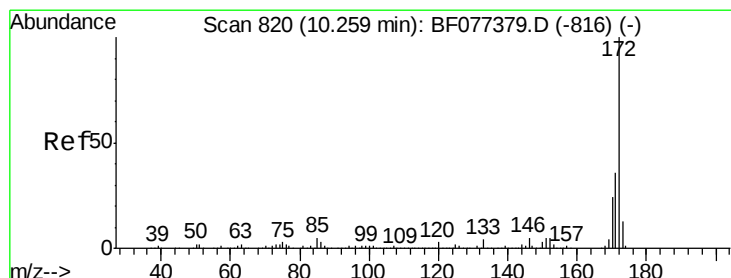
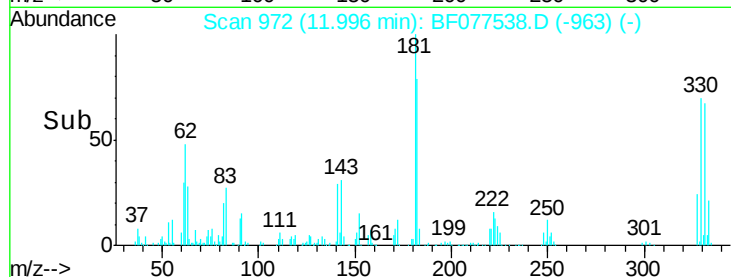
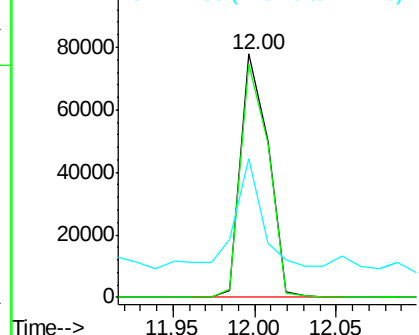
#41
 2,4,6-Tribromophenol
 Concen: 78.45 ng
 RT: 12.00 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

Instrument :
 BNA_F
 ClientSampleId :
 MW41

Tgt Ion:330 Resp: 91145
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.4 116.2
 141 47.4 28.8 43.2#

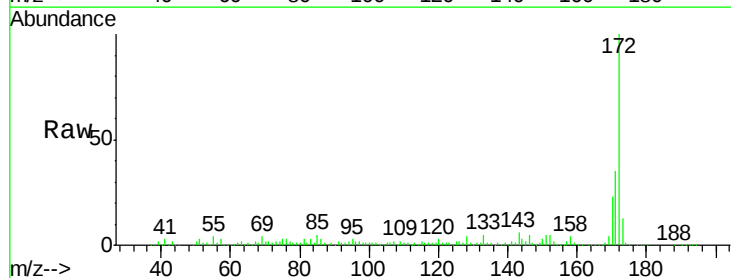


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

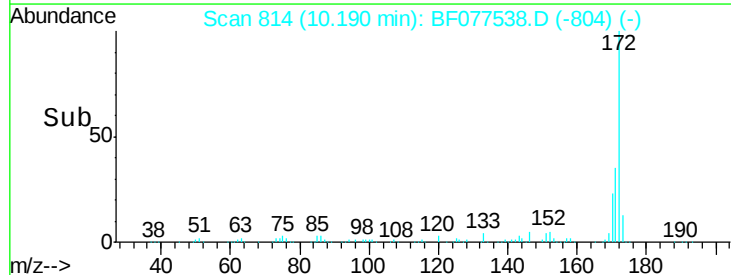
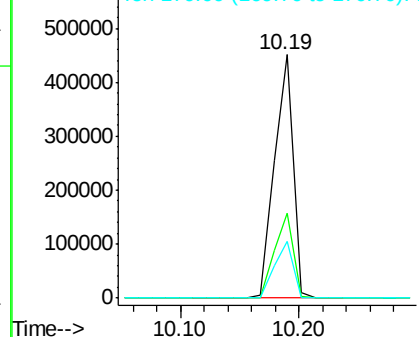


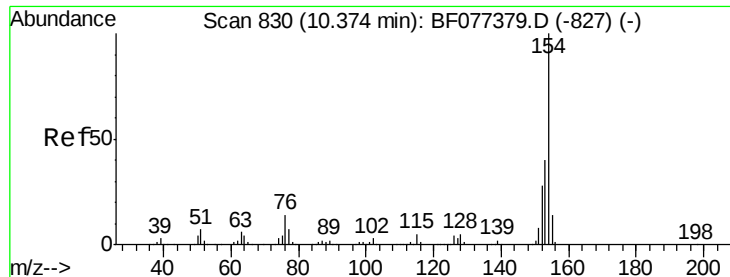
#44
 2-Fluorobiphenyl
 Concen: 64.32 ng
 RT: 10.19 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

Tgt Ion:172 Resp: 497729
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.9 43.3
 170 23.2 19.4 29.2



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

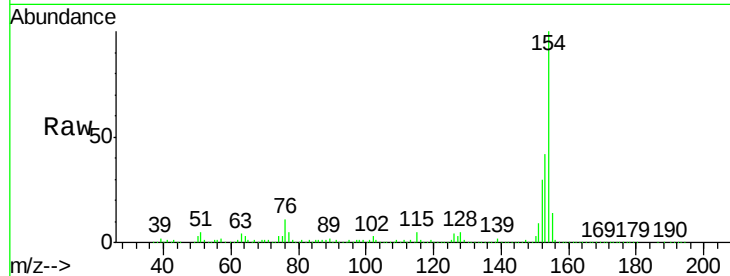




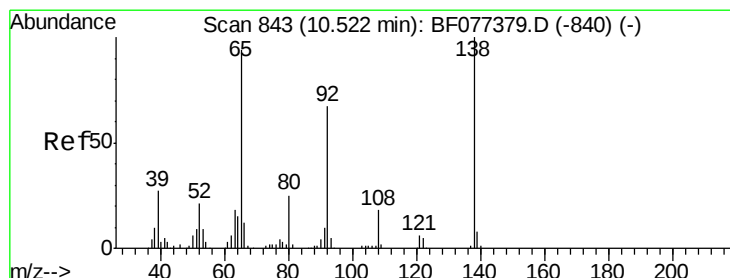
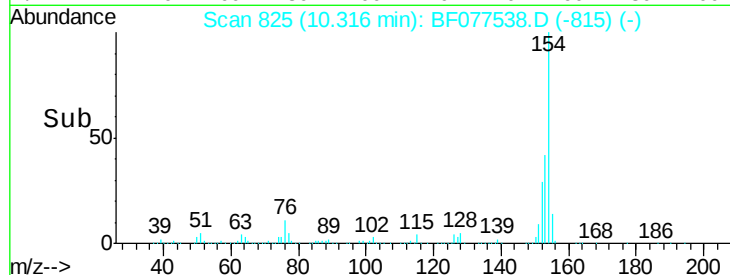
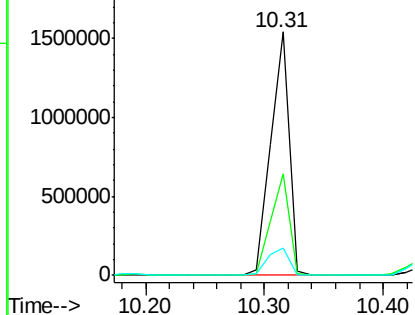
#45
1,1'-Biphenyl
Concen: 182.72 ng
RT: 10.31 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Instrument :
BNA_F
ClientSampleId :
MW41

Tgt Ion:154 Resp: 1670312
Ion Ratio Lower Upper
154 100
153 41.8 20.2 60.2
76 11.0 0.0 29.4

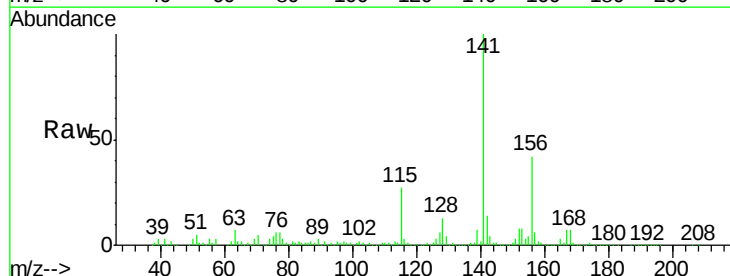


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

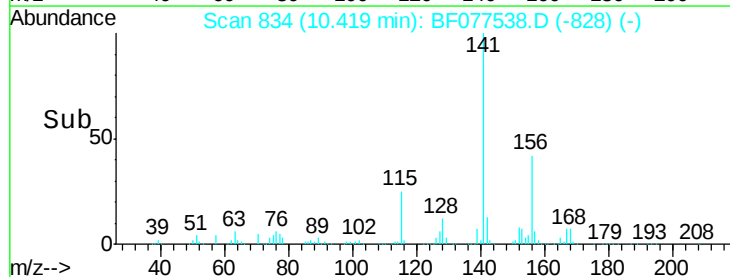
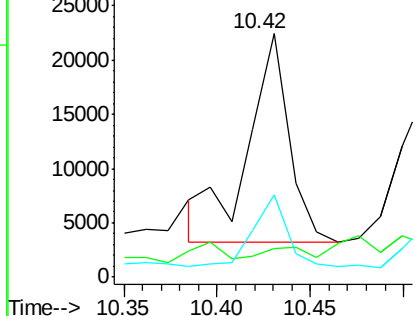


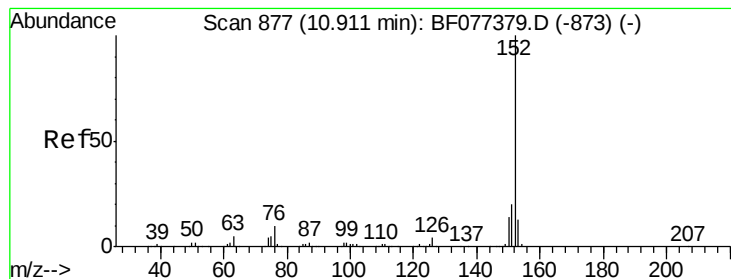
#47
2-Nitroaniline
Concen: 16.60 ng
RT: 10.42 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion: 65 Resp: 29302
Ion Ratio Lower Upper
65 100
92 14.0 52.4 78.6#
138 31.8 73.4 110.0#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 94.95 ng

RT: 10.85 min Scan# 871

Delta R.T. 0.01 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

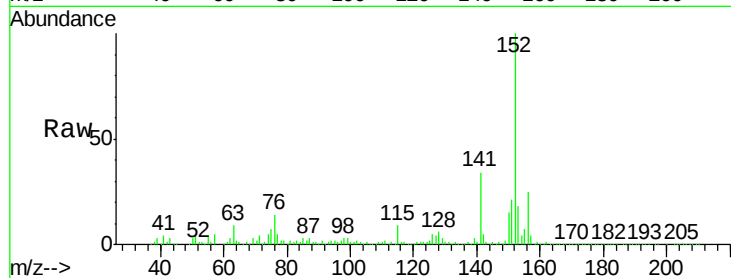
Tgt Ion:152 Resp: 1077567

Ion Ratio Lower Upper

152 100

151 21.4 16.1 24.1

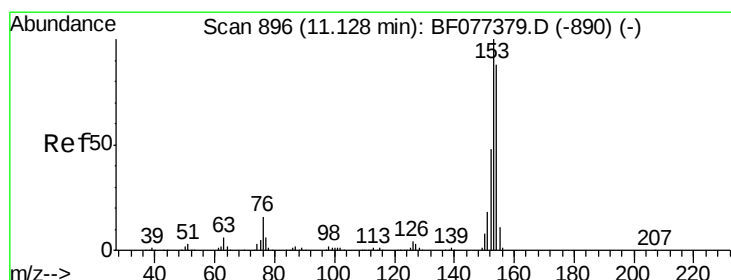
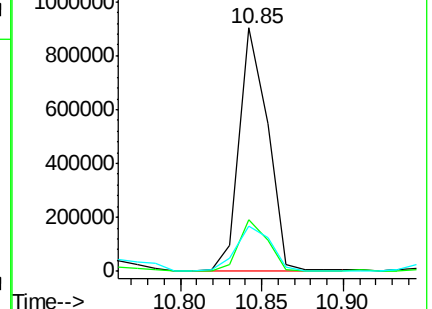
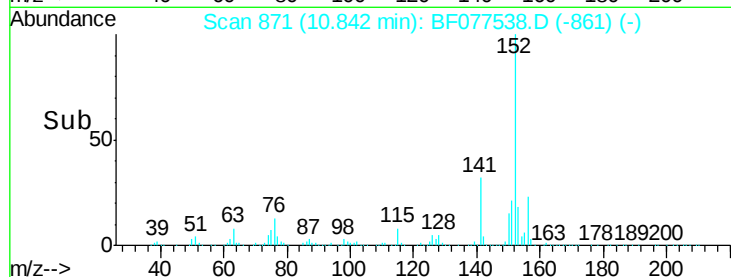
153 18.4 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 421.01 ng

RT: 11.07 min Scan# 891

Delta R.T. 0.02 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

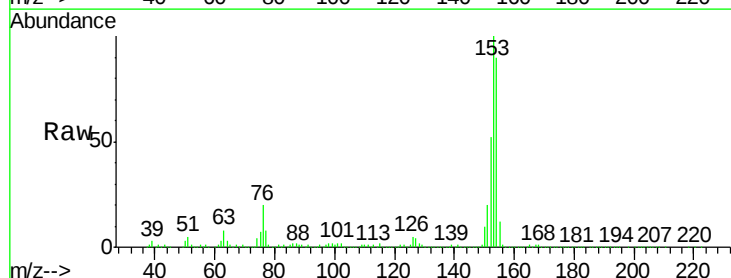
Tgt Ion:154 Resp: 2851328

Ion Ratio Lower Upper

154 100

153 111.1 90.5 135.7

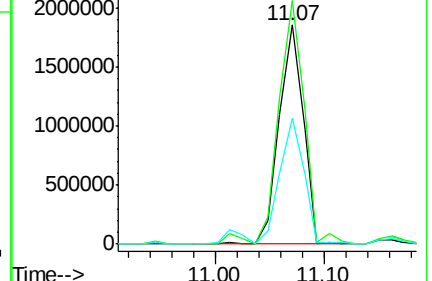
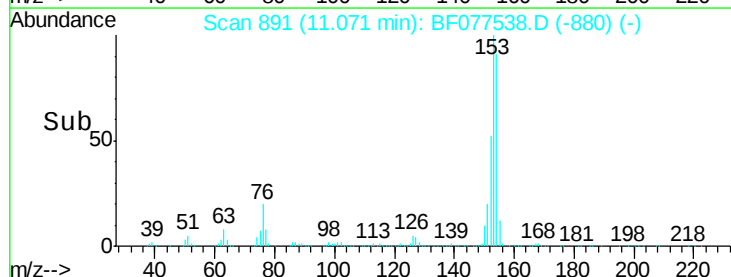
152 57.5 43.5 65.3

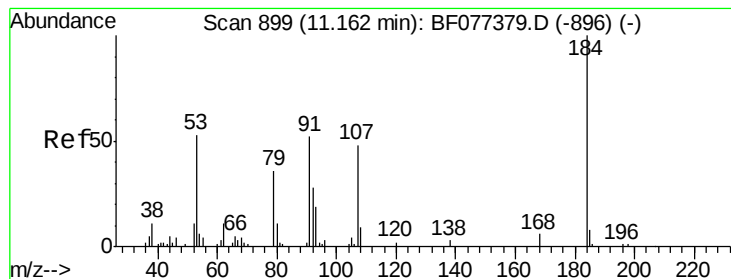


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 5.64 ng

RT: 11.12 min Scan# 896

Delta R.T. 0.03 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampled :

MW41

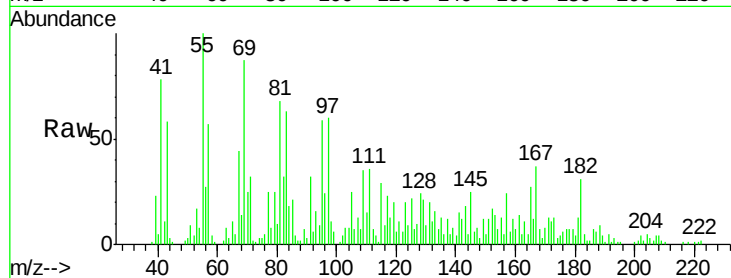
Tgt Ion:184 Resp: 2921

Ion Ratio Lower Upper

184 100

63 354.2 29.5 44.3#

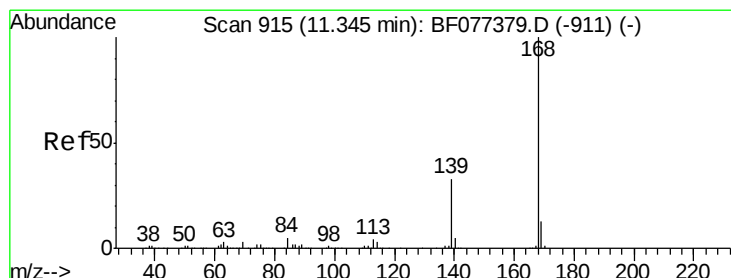
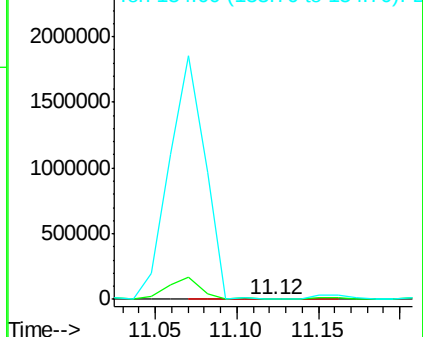
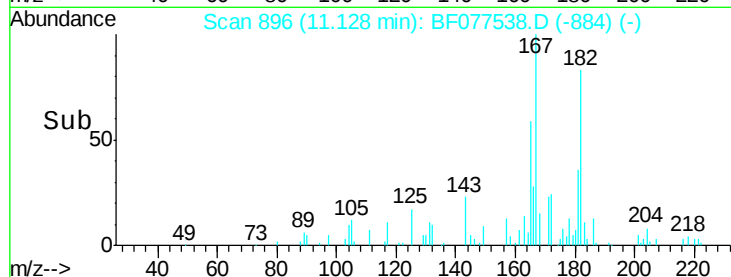
154 299.1 43.2 64.8#



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



#54

Dibenzofuran

Concen: 63.94 ng

RT: 11.27 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

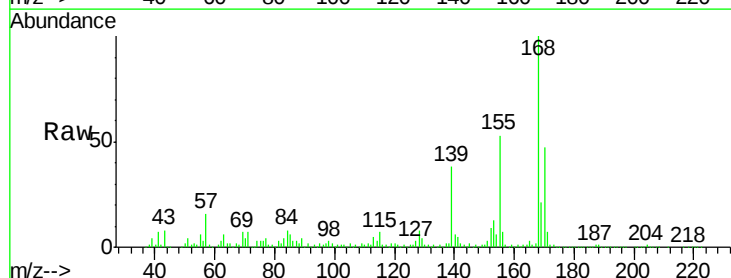
Tgt Ion:168 Resp: 668666

Ion Ratio Lower Upper

168 100

139 38.1 29.3 43.9

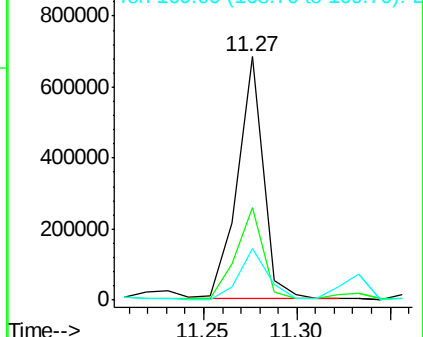
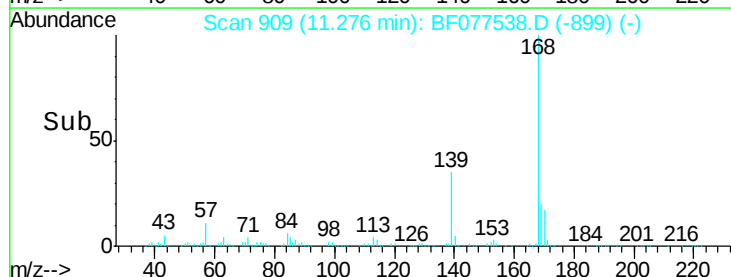
169 21.3 10.9 16.3#

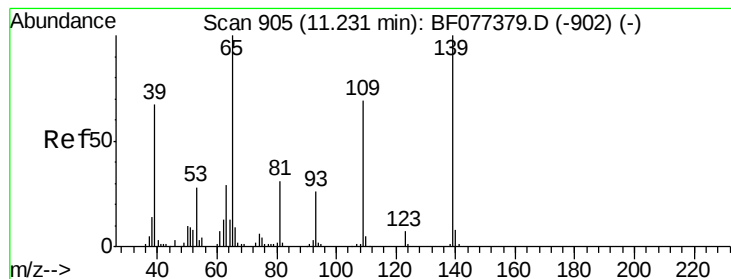


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 24.96 ng

RT: 11.16 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

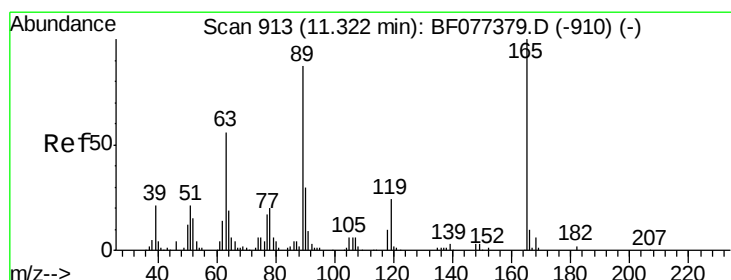
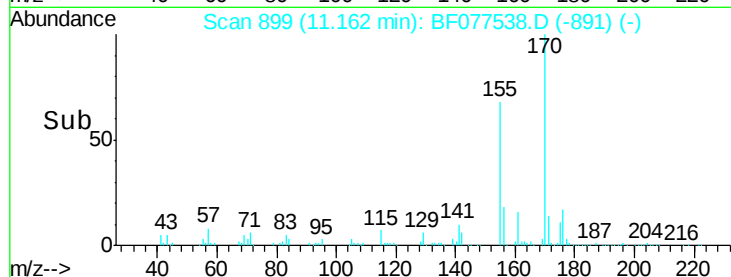
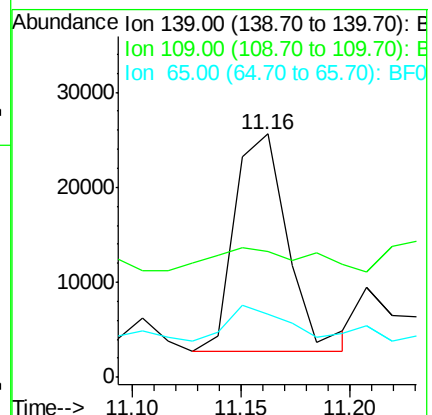
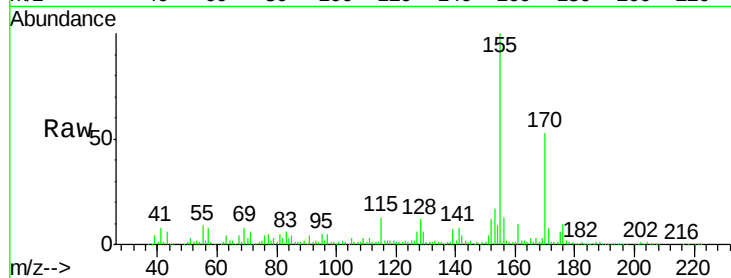
Tgt Ion:139 Resp: 39370

Ion Ratio Lower Upper

139 100

109 51.7 36.2 76.2

65 26.2 40.3 80.3#



#56

2,4-Dinitrotoluene

Concen: 30.41 ng

RT: 11.26 min Scan# 908

Delta R.T. 0.01 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Tgt Ion:165 Resp: 69900

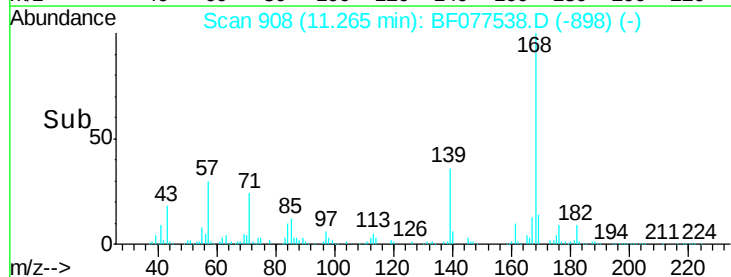
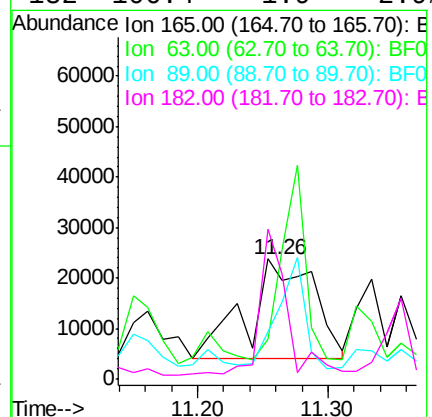
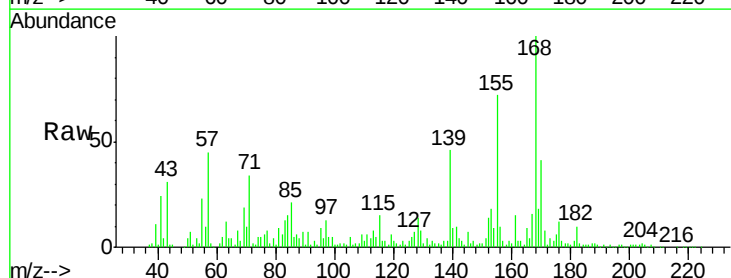
Ion Ratio Lower Upper

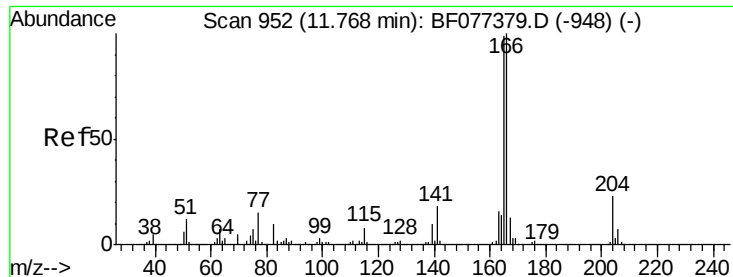
165 100

63 131.2 29.8 44.8#

89 78.4 48.5 72.7#

182 106.4 1.9 2.9#

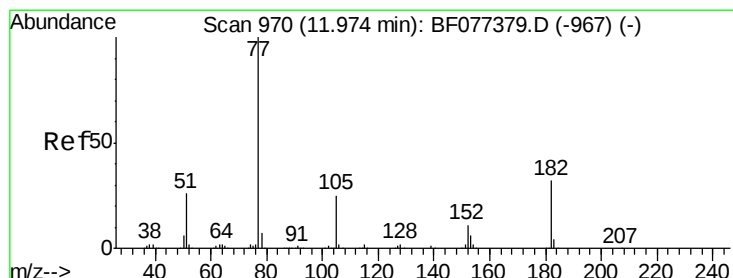
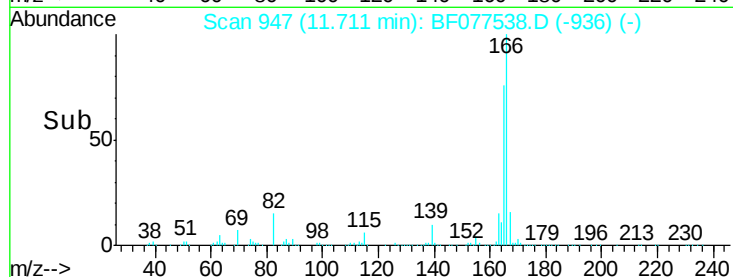
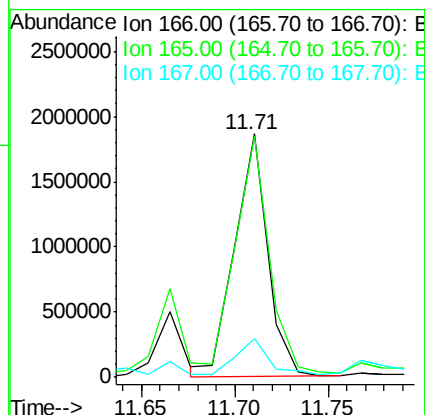
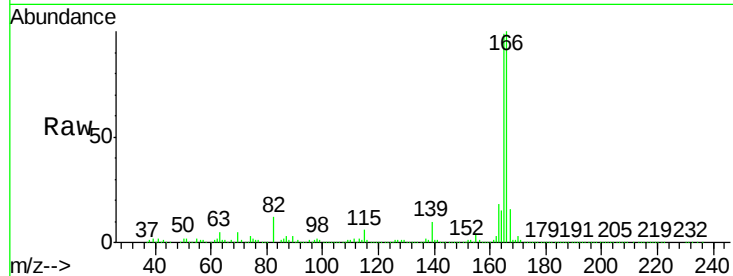




#57
 Fluorene
 Concen: 275.40 ng
 RT: 11.71 min Scan# 947
 Delta R.T. 0.02 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

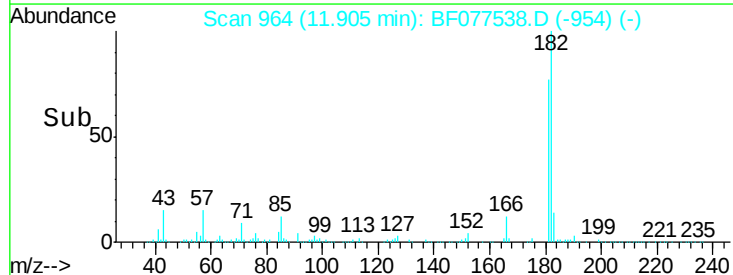
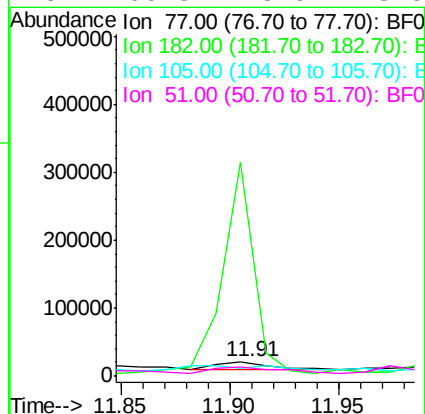
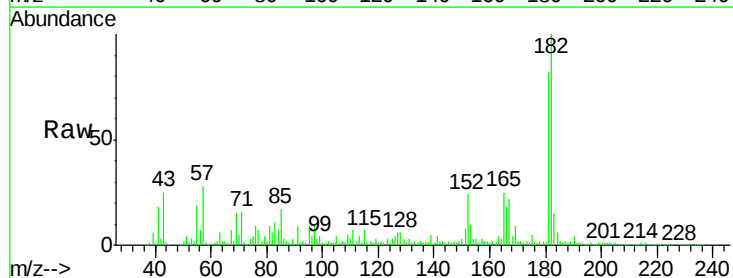
Instrument :
 BNA_F
 ClientSampleId :
 MW41

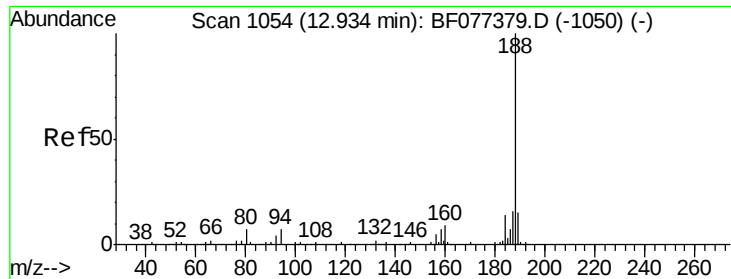
Tgt Ion:166 Resp: 2302345
 Ion Ratio Lower Upper
 166 100
 165 99.1 77.6 116.4
 167 15.7 10.6 16.0



#62
 Azobenzene
 Concen: 2.31 ng
 RT: 11.91 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

Tgt Ion: 77 Resp: 18297
 Ion Ratio Lower Upper
 77 100
 182 1504.2 4.9 44.9#
 105 53.8 3.3 43.3#
 51 66.5 8.9 48.9#

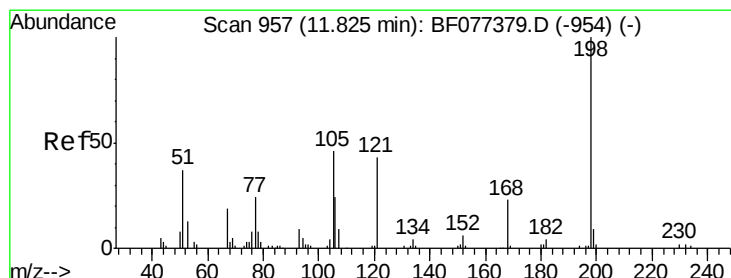
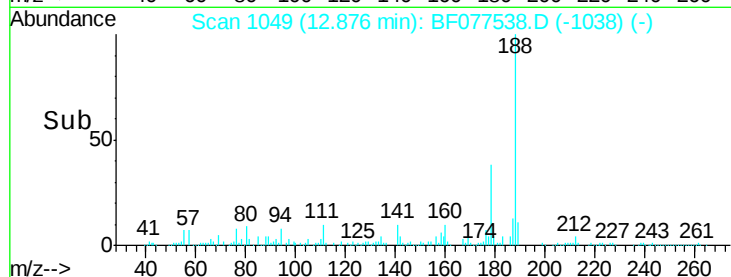
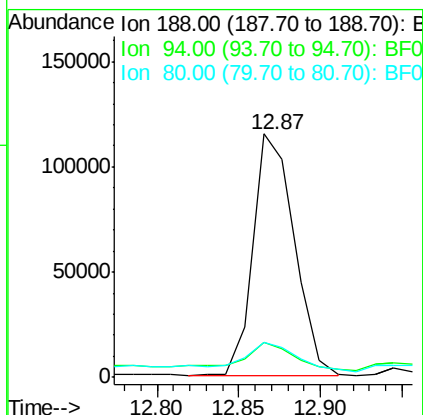
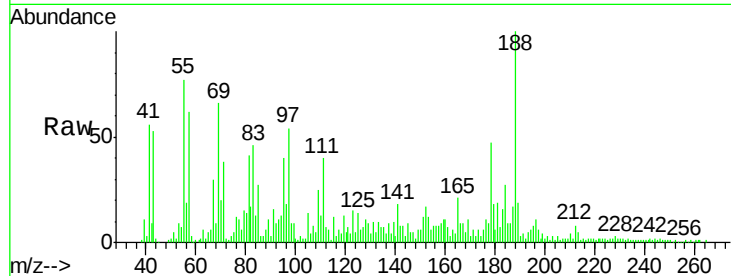




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.87 min Scan# 1049
Delta R.T. 0.02 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

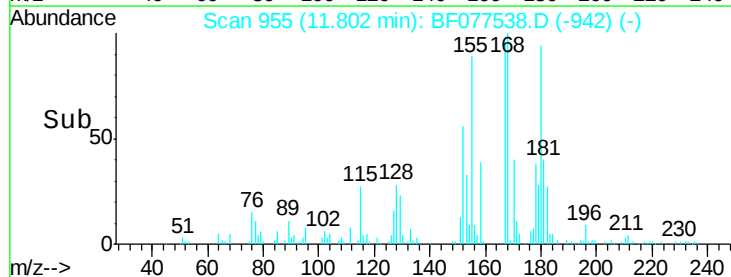
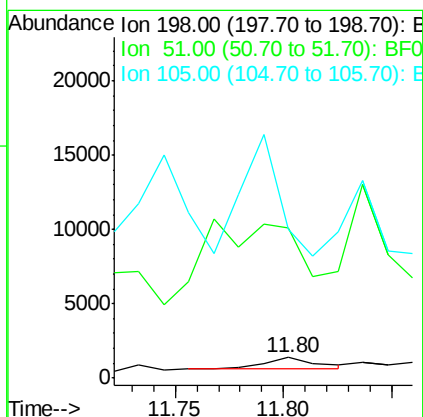
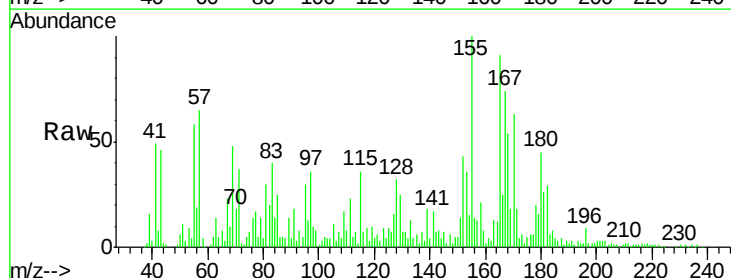
Instrument :
BNA_F
ClientSampleId :
MW41

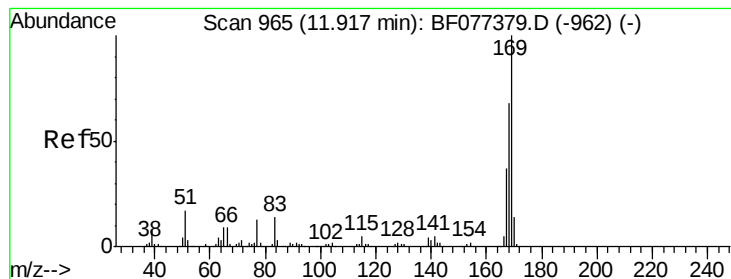
Tgt Ion:188 Resp: 200110
Ion Ratio Lower Upper
188 100
94 13.1 7.4 11.2#
80 13.8 8.0 12.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.28 ng
RT: 11.80 min Scan# 955
Delta R.T. 0.05 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:198 Resp: 1352
Ion Ratio Lower Upper
198 100
51 737.1 2.7 42.7#
105 731.2 10.0 50.0#





#65

n-Nitrosodiphenylamine

Concen: 16.95 ng

RT: 11.85 min Scan# 959

Delta R.T. 0.00 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

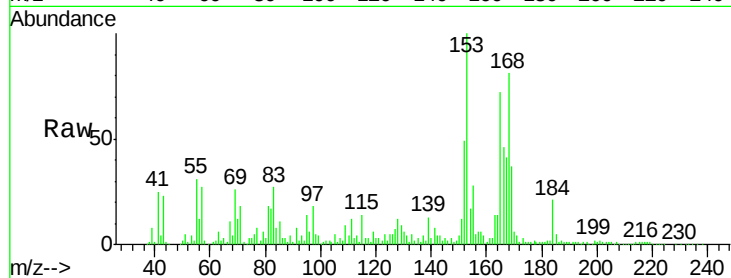
Tgt Ion:169 Resp: 112536

Ion Ratio Lower Upper

169 100

168 219.7 53.0 79.6#

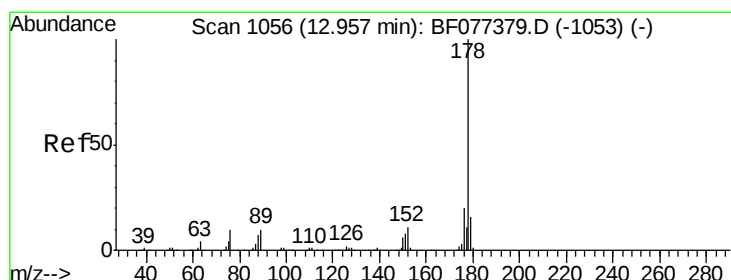
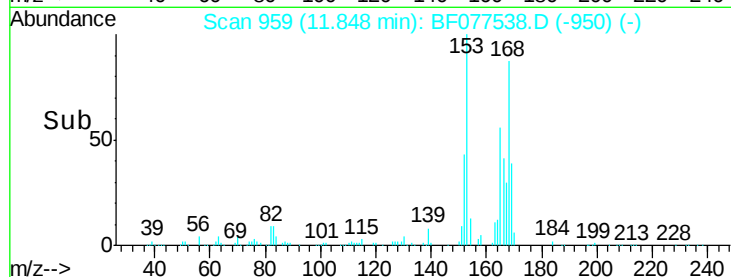
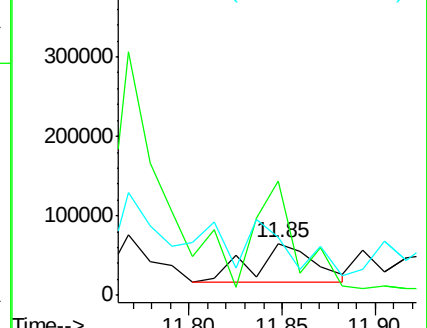
167 111.0 29.5 44.3#



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



#70

Phenanthrene

Concen: 594.67 ng

RT: 12.91 min Scan# 1052

Delta R.T. 0.03 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

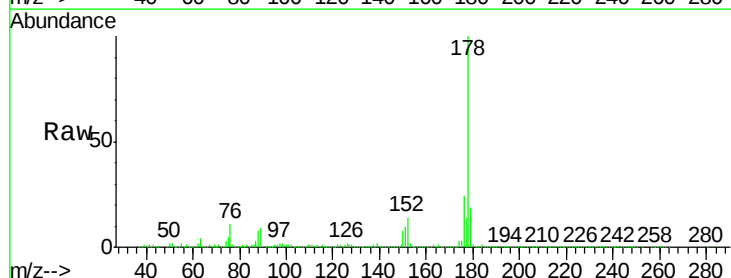
Tgt Ion:178 Resp: 6897119

Ion Ratio Lower Upper

178 100

176 23.7 15.5 23.3#

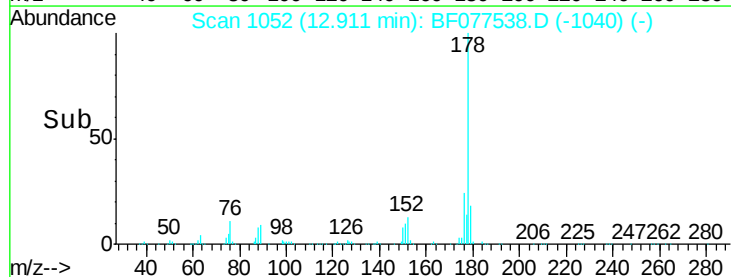
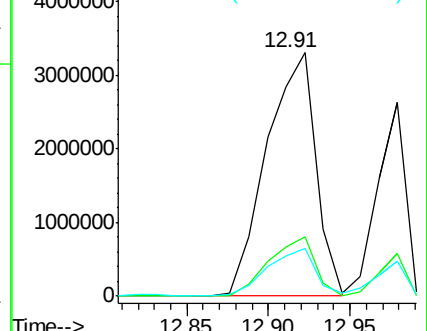
179 19.0 12.2 18.2#

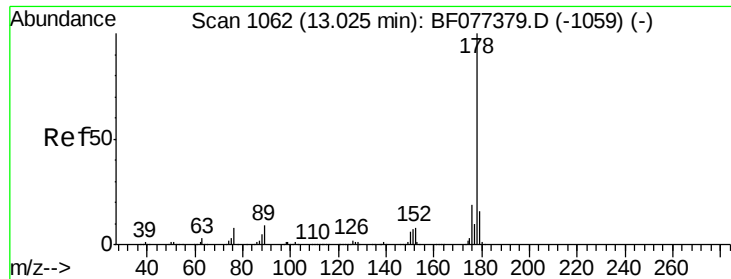


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

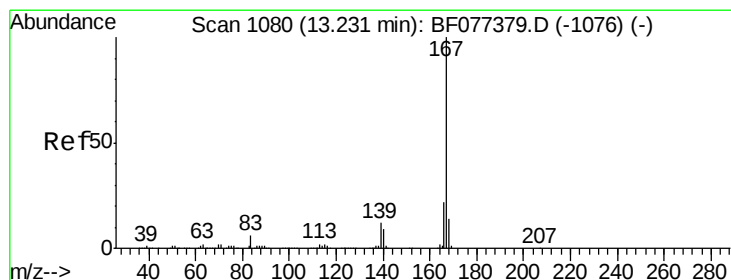
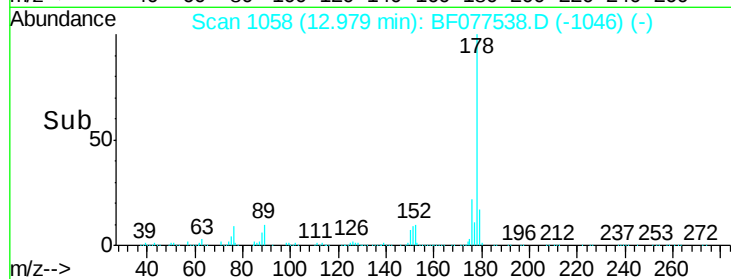
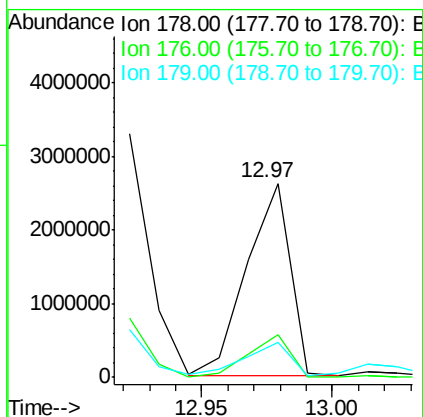
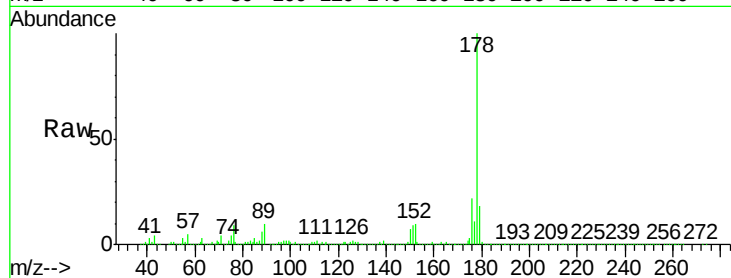




#71
 Anthracene
 Concen: 265.03 ng
 RT: 12.97 min Scan# 1058
 Delta R.T. 0.03 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

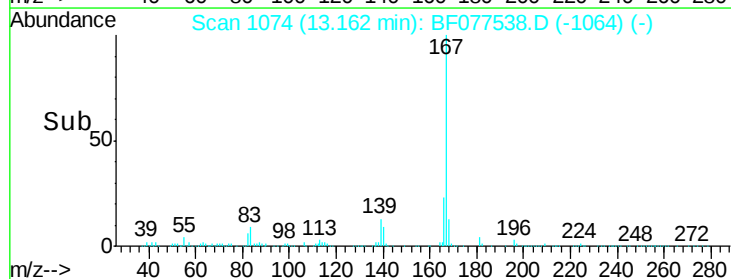
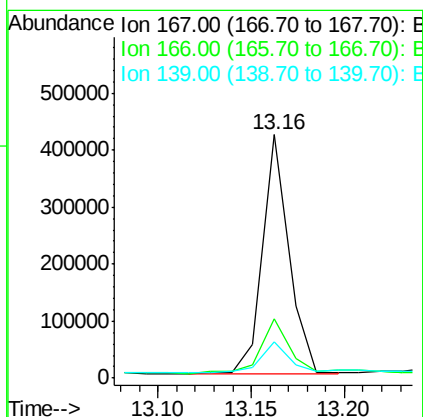
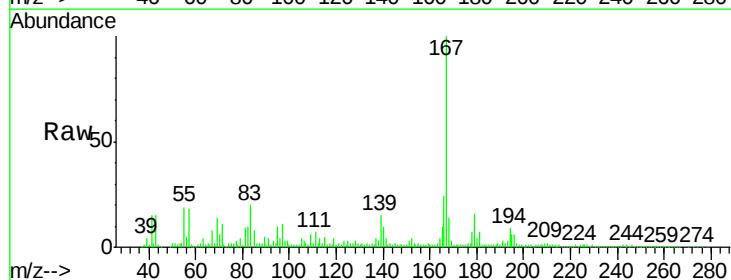
Instrument :
 BNA_F
 ClientSampleId :
 MW41

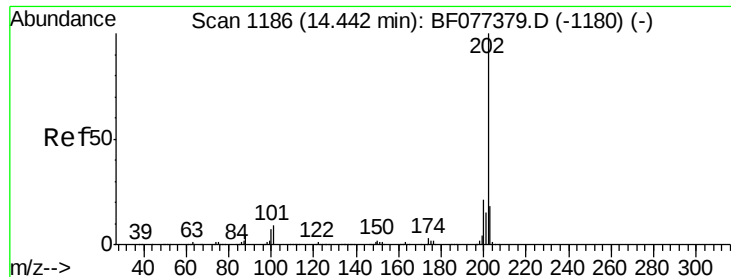
Tgt Ion:178 Resp: 3050471
 Ion Ratio Lower Upper
 178 100
 176 21.8 15.4 23.0
 179 17.7 12.9 19.3



#72
 Carbazole
 Concen: 37.94 ng
 RT: 13.16 min Scan# 1074
 Delta R.T. 0.02 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

Tgt Ion:167 Resp: 415208
 Ion Ratio Lower Upper
 167 100
 166 24.2 17.6 26.4
 139 15.1 9.9 14.9#





#74

Fluoranthene

Concen: 295.87 ng

RT: 14.39 min Scan# 1181

Delta R.T. 0.03 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

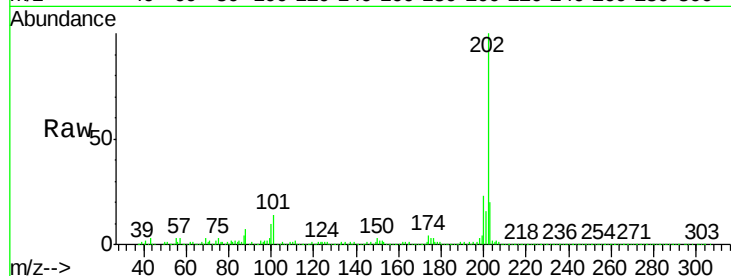
Tgt Ion:202 Resp: 3748463

Ion Ratio Lower Upper

202 100

101 13.5 0.0 30.8

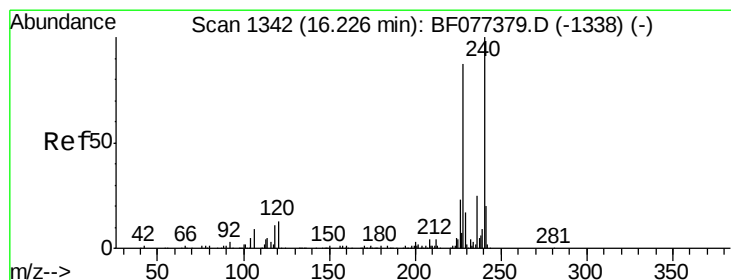
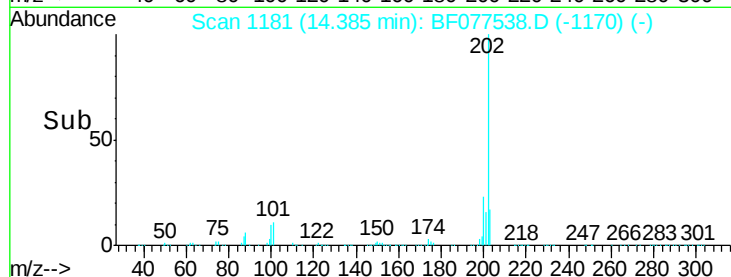
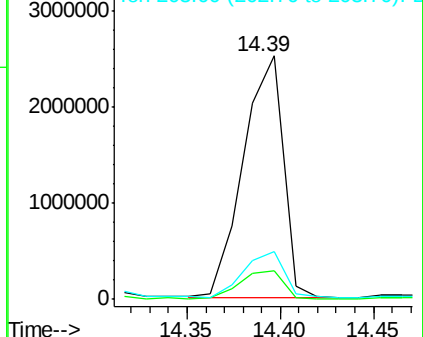
203 20.1 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.17 min Scan# 1337

Delta R.T. 0.04 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

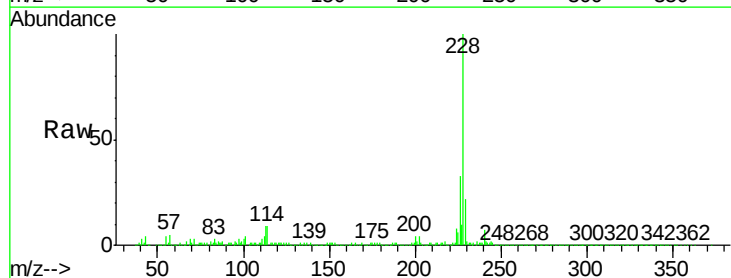
Tgt Ion:240 Resp: 197670

Ion Ratio Lower Upper

240 100

120 20.3 8.8 13.2#

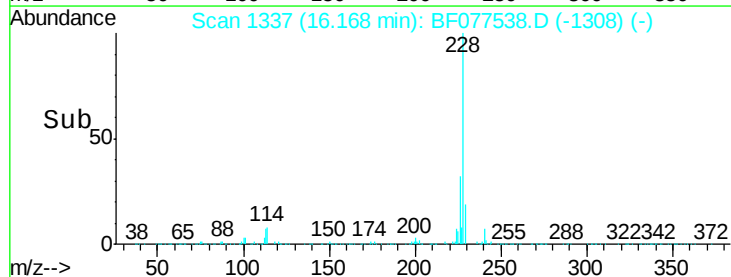
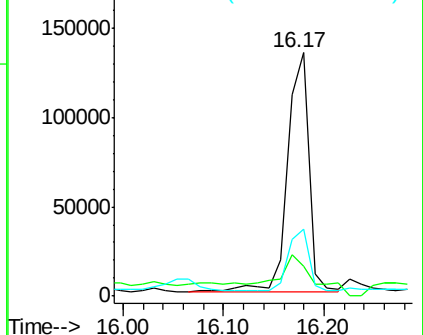
236 28.0 20.7 31.1

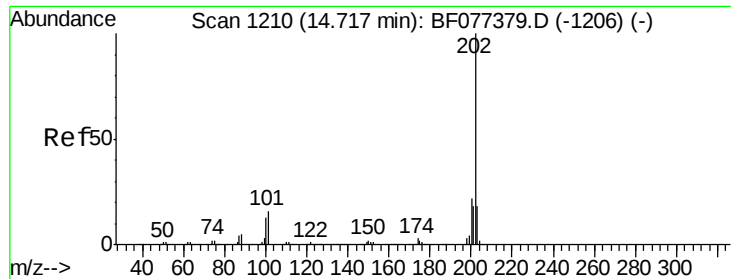


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

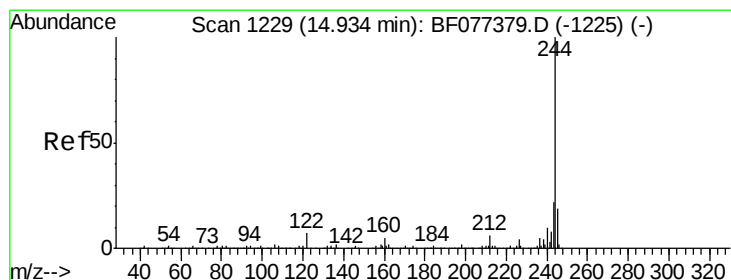
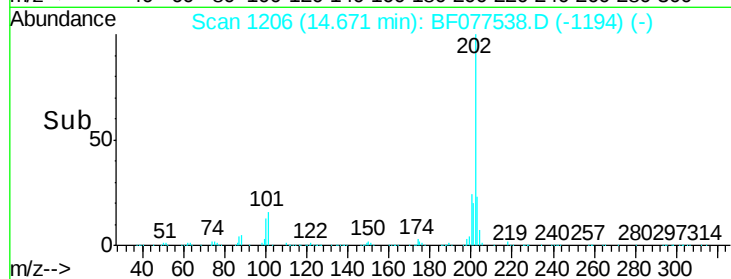
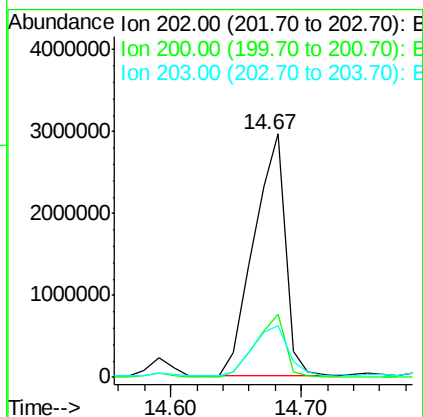
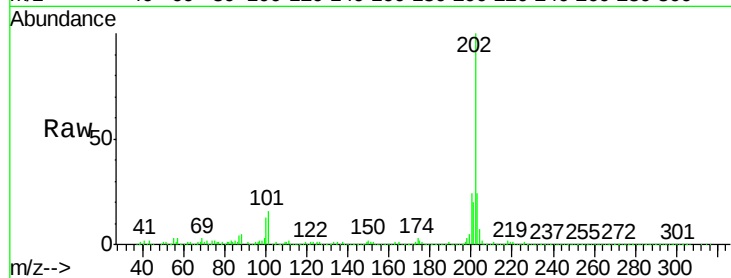




#77
 Pyrene
 Concen: 409.86 ng
 RT: 14.67 min Scan# 1206
 Delta R.T. 0.04 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

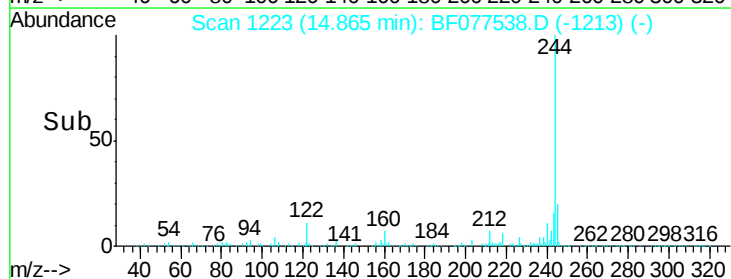
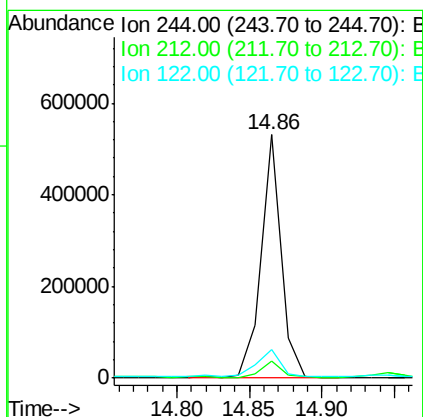
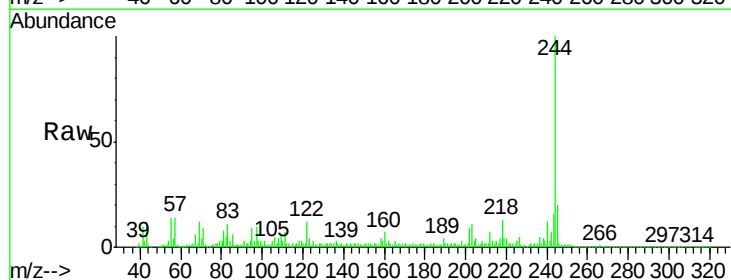
Instrument :
 BNA_F
 ClientSampleId :
 MW41

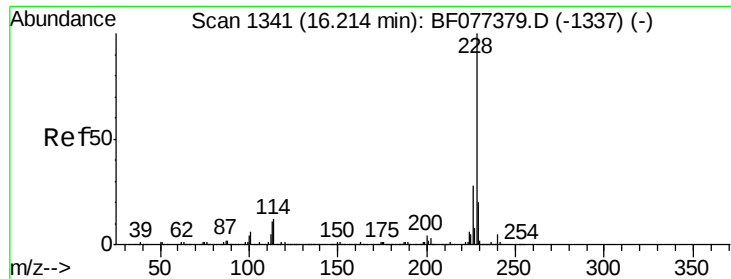
Tgt Ion:202 Resp: 4955909
 Ion Ratio Lower Upper
 202 100
 200 24.3 17.1 25.7
 203 23.7 14.2 21.2#



#78
 Terphenyl-d14
 Concen: 60.05 ng
 RT: 14.86 min Scan# 1223
 Delta R.T. 0.02 min
 Lab File: BF077538.D
 Acq: 2 Mar 2015 22:44

Tgt Ion:244 Resp: 507744
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.2 7.8
 122 11.5 7.8 11.8





#80

Benzo(a)anthracene

Concen: 225.57 ng

RT: 16.16 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

Instrument :

BNA_F

ClientSampleId :

MW41

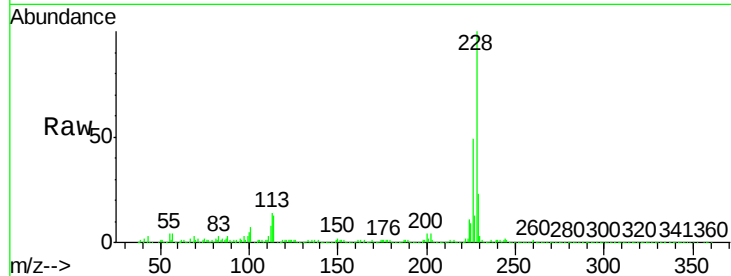
Tgt Ion:228 Resp: 2613275

Ion Ratio Lower Upper

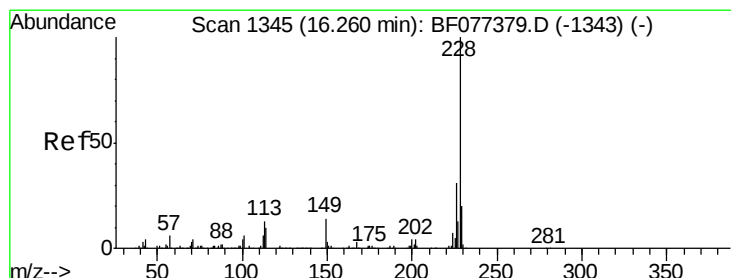
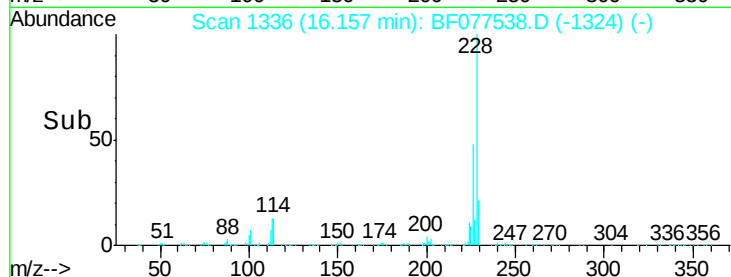
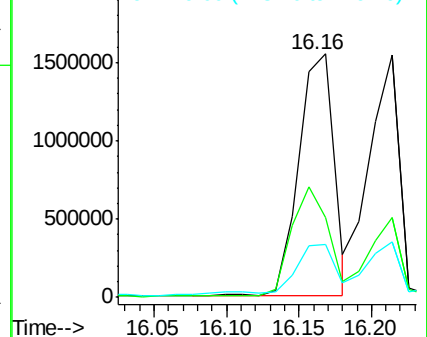
228 100

226 48.7 22.0 33.0#

229 22.7 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: 200.85 ng

RT: 16.20 min Scan# 1340

Delta R.T. 0.04 min

Lab File: BF077538.D

Acq: 2 Mar 2015 22:44

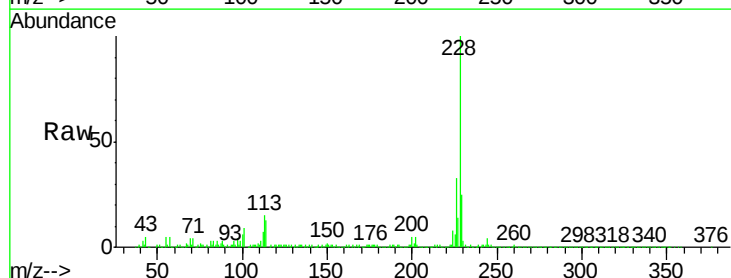
Tgt Ion:228 Resp: 2184944

Ion Ratio Lower Upper

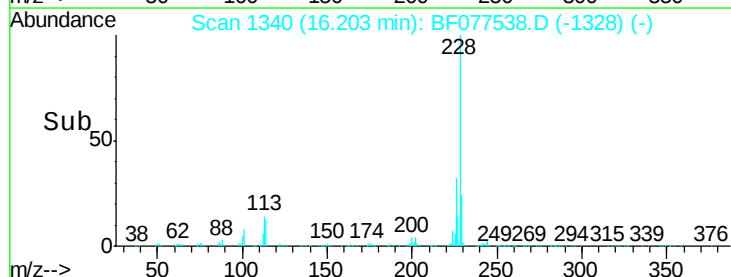
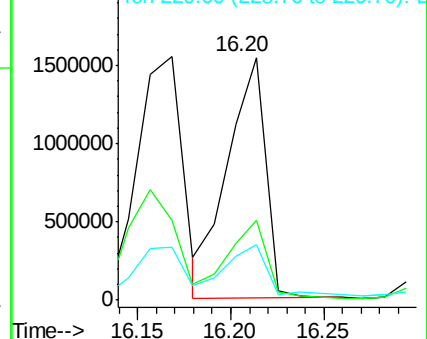
228 100

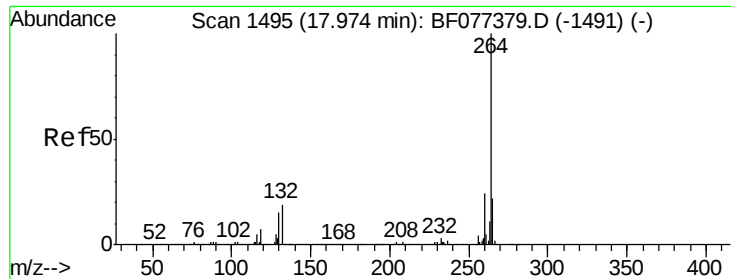
226 32.7 24.9 37.3

229 25.4 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

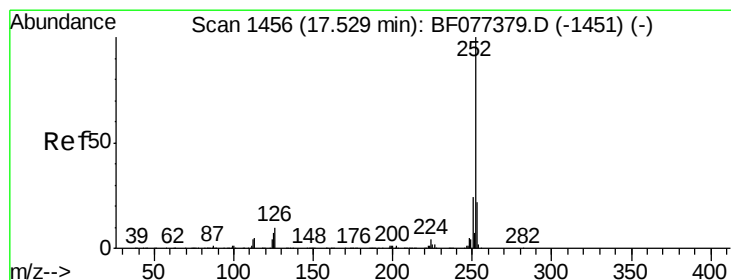
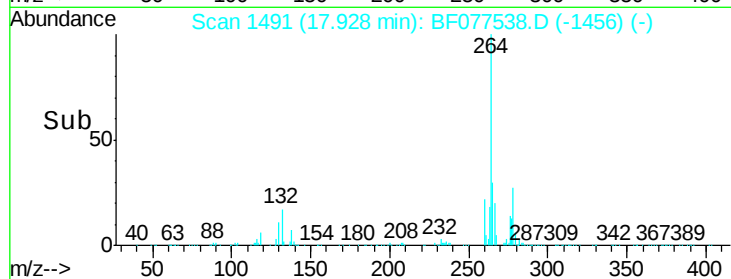
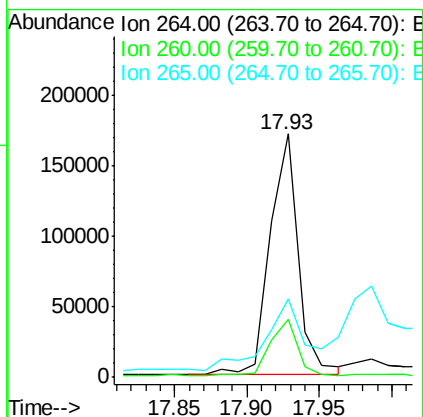
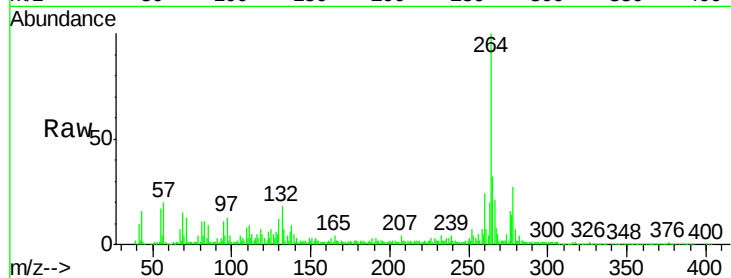




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.93 min Scan# 1491
Delta R.T. 0.10 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

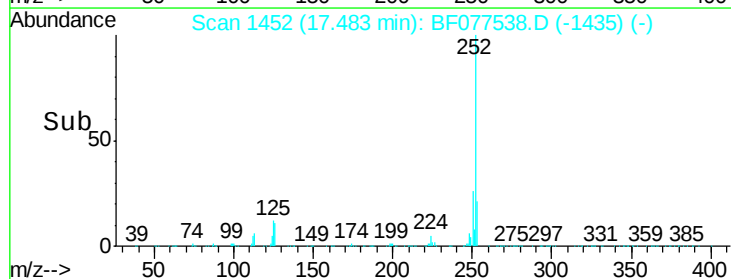
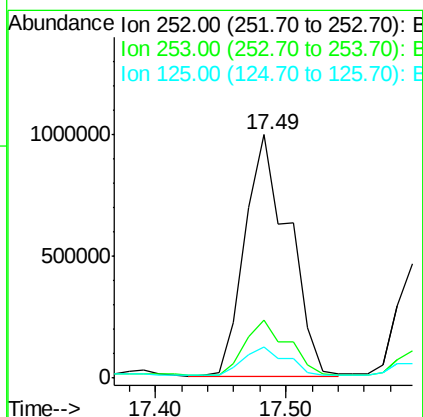
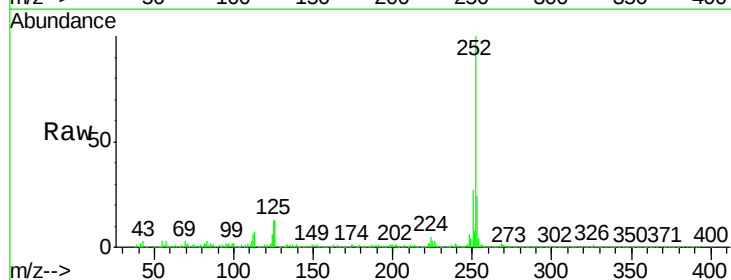
Instrument :
BNA_F
ClientSampleId :
MW41

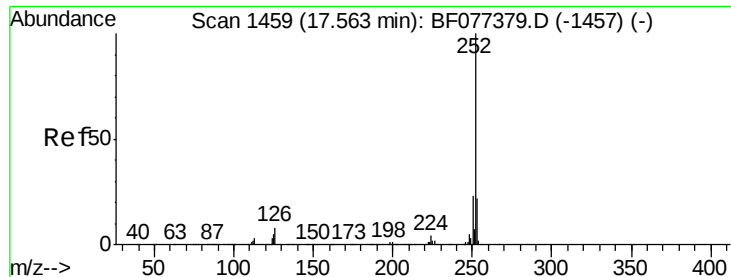
Tgt Ion:264 Resp: 229718
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 32.1 16.8 25.2#



#87
Benzo(b)fluoranthene
Concen: 174.18 ng
RT: 17.49 min Scan# 1452
Delta R.T. 0.10 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:252 Resp: 2326806
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 13.0 5.4 8.2#

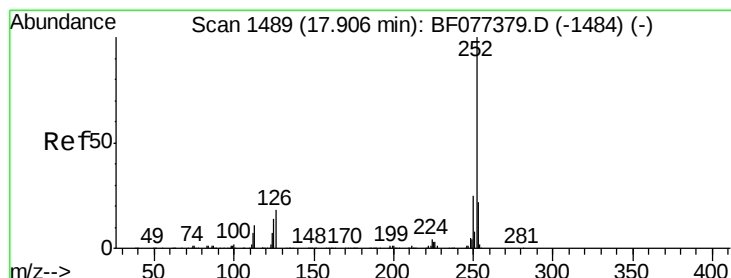
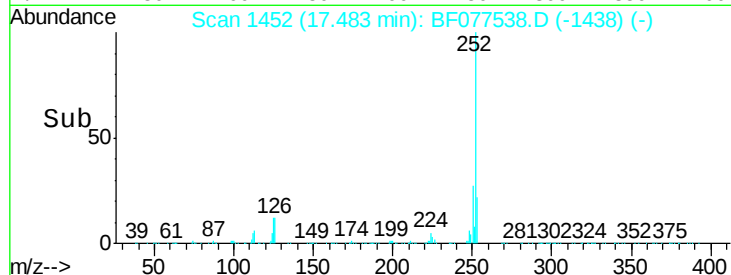
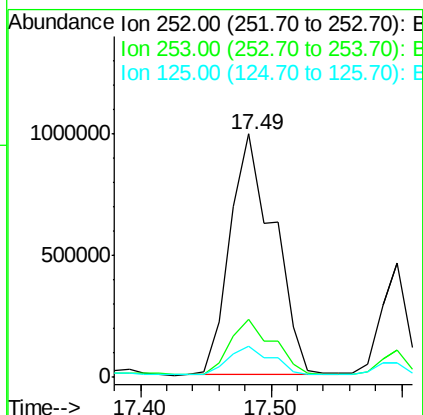
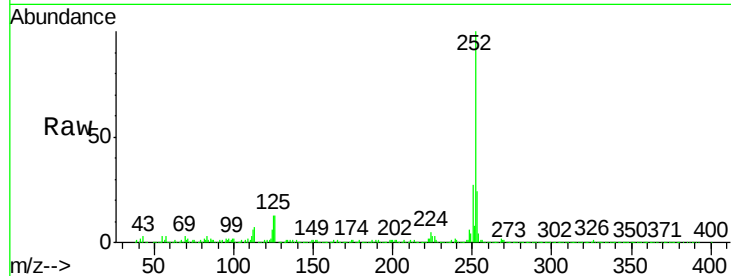




#88
Benzo(k)fluoranthene
Concen: 177.67 ng
RT: 17.49 min Scan# 1452
Delta R.T. 0.06 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

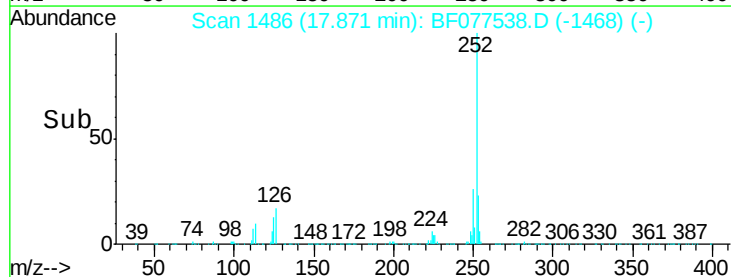
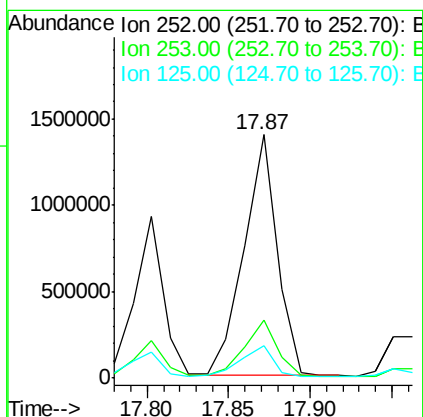
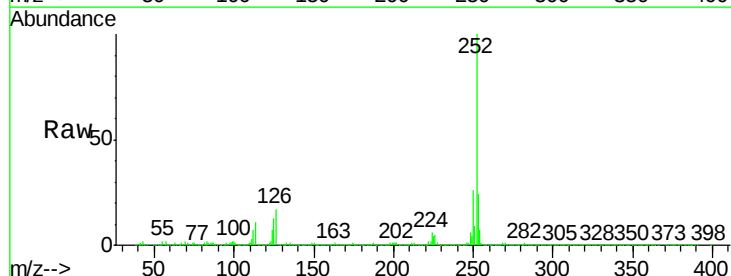
Instrument :
BNA_F
ClientSampleId :
MW41

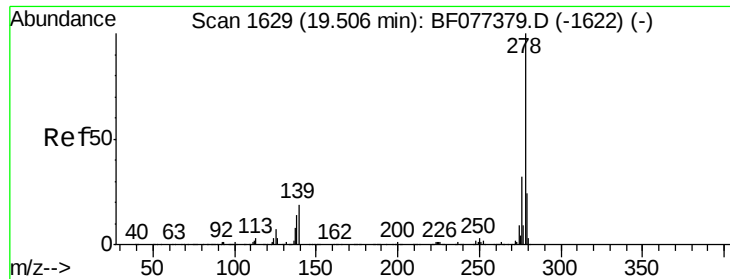
Tgt Ion:252 Resp: 2325863
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 13.0 10.1 15.1



#89
Benzo(a)pyrene
Concen: 155.89 ng
RT: 17.87 min Scan# 1486
Delta R.T. 0.10 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:252 Resp: 1983276
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 13.4 8.3 12.5#

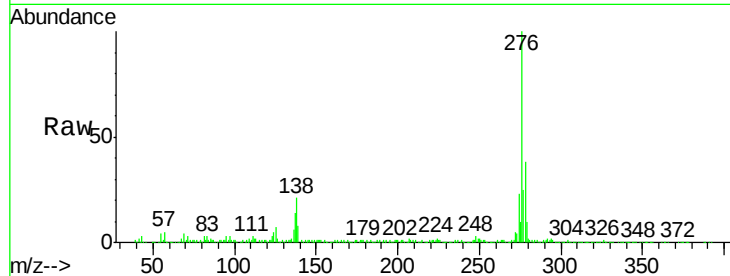




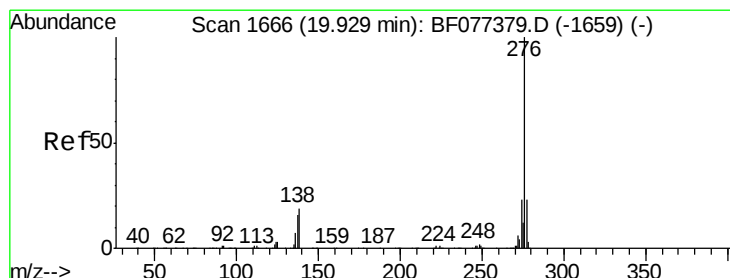
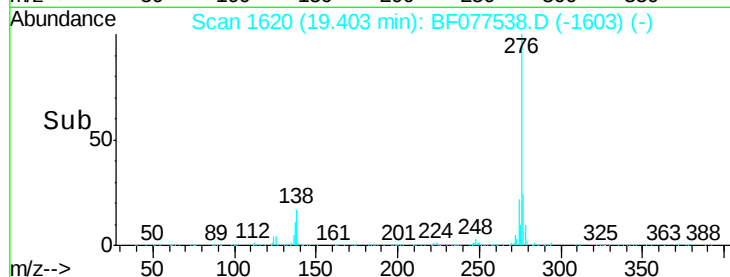
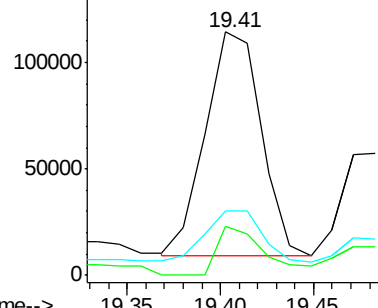
#90
Dibenzo(a,h)anthracene
Concen: 18.09 ng
RT: 19.41 min Scan# 1620
Delta R.T. 0.10 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Instrument :
BNA_F
ClientSampleId :
MW41

Tgt Ion:	278	Resp:	219500
Ion	Ratio	Lower	Upper
278	100		
139	20.2	14.3	21.5
279	26.3	19.0	28.6

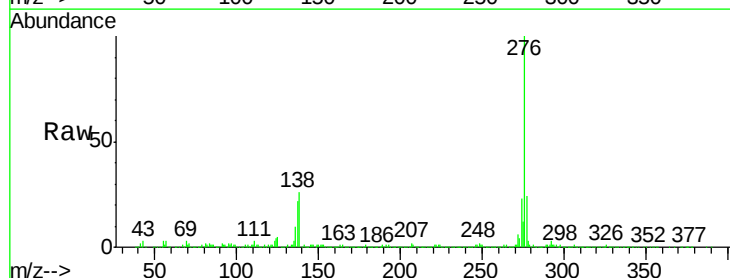


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 70.34 ng
RT: 19.83 min Scan# 1657
Delta R.T. 0.13 min
Lab File: BF077538.D
Acq: 2 Mar 2015 22:44

Tgt Ion:	276	Resp:	861467
Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	26.3	20.5	30.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

