

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051115\
 Data File : BF079123.D
 Acq On : 11 May 2015 18:43
 Operator : TP/IZ
 Sample : G2140-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9795

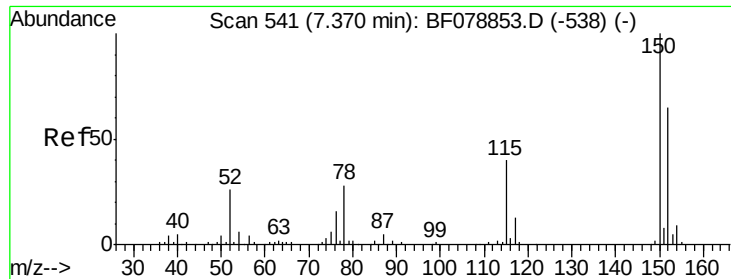
Quant Time: May 12 01:57:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 01:34:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	57419	20.00	ng	0.00
21) Naphthalene-d8	8.90	136	124207	20.00	ng	0.02
38) Acenaphthene-d10	11.05	164	129702	20.00	ng	0.00
63) Phenanthrene-d10	12.89	188	236230	20.00	ng	-0.01
75) Chrysene-d12	16.18	240	260943	20.00	ng	-0.05
86) Perylene-d12	17.91	264	271189	20.00	ng	-0.15

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	49068	14.71	ng	0.01
7) Phenol-d6	6.86	99	88791	20.14	ng	0.00
23) Nitrobenzene-d5	8.03	82	54682	25.30	ng	0.05
41) 2,4,6-Tribromophenol	12.03	330	17391	12.39	ng	0.00
44) 2-Fluorobiphenyl	10.22	172	76792	8.25	ng	-0.01
78) Terphenyl-d14	14.89	244	99400	9.12	ng	-0.01

Target Compounds						Qvalue
9) Benzaldehyde	6.72	77	7475	2.52	ng	# 1
15) Benzyl Alcohol	7.50	79	28493	8.71	ng	# 47
18) Hexachloroethane	7.93	117	11545	7.66	ng	# 1
22) Acetophenone	7.80	105	30554	10.89	ng	# 1
24) Nitrobenzene	7.99	77	20779	9.70	ng	# 8
25) Isophorone	8.32	82	254678	63.57	ng	# 1
26) 2-Nitrophenol	8.39	139	32091	36.19	ng	# 1
27) 2,4-Dimethylphenol	8.50	122	44437	25.05	ng	# 1
28) bis(2-Chloroethoxy)methane	8.63	93	19504	7.90	ng	# 1
30) 1,2,4-Trichlorobenzene	8.83	180	6687	3.86	ng	# 67
31) Naphthalene	8.94	128	41226	6.97	ng	# 1
33) 4-Chloroaniline	8.96	127	102441	40.91	ng	# 67
35) Caprolactam	9.44	113	96620	189.39	ng	# 1
36) 4-Chloro-3-methylphenol	9.62	107	5020	3.03	ng	# 21
37) 2-Methylnaphthalene	9.77	142	57244	13.96	ng	98
45) 1,1'-Biphenyl	10.34	154	24832	2.41	ng	97
73) Di-n-butylphthalate	13.65	149	31336	2.11	ng	99

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

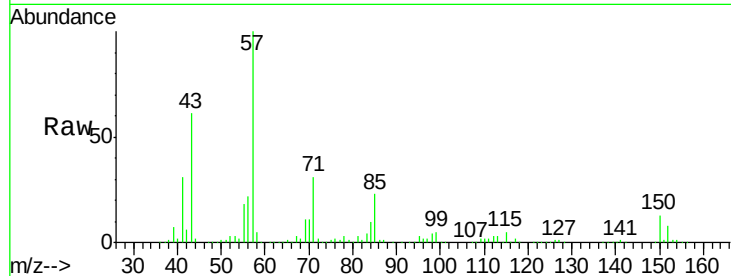


#1

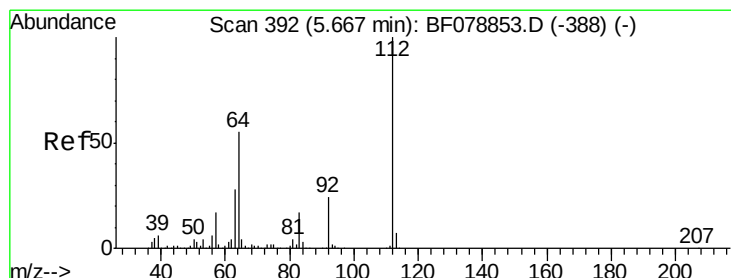
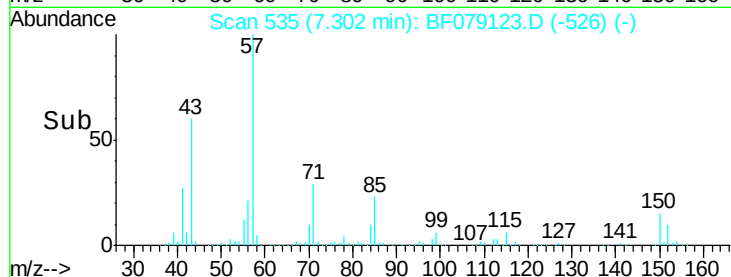
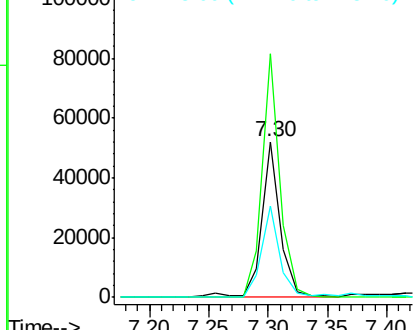
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF079123.D
Acq: 11 May 2015 18:43

Instrument :
BNA_F
ClientSampled :
LAR9795

Tgt Ion:152 Resp: 57419
Ion Ratio Lower Upper
152 100
150 156.8 122.0 183.0
115 58.4 46.3 69.5



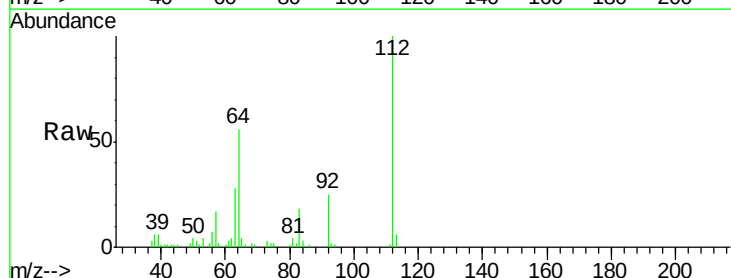
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



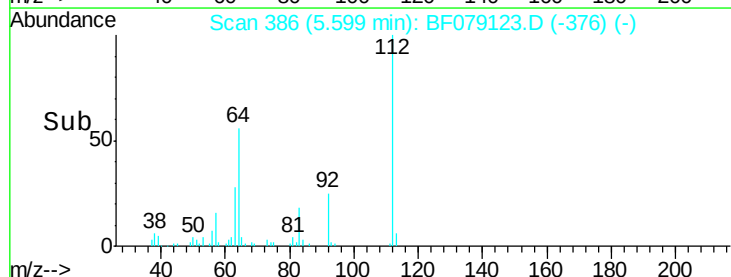
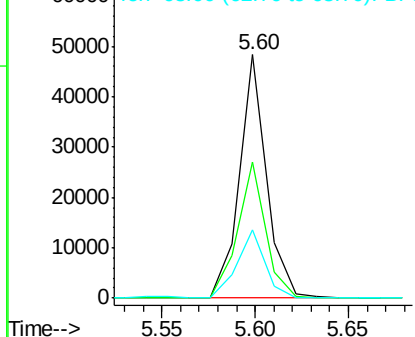
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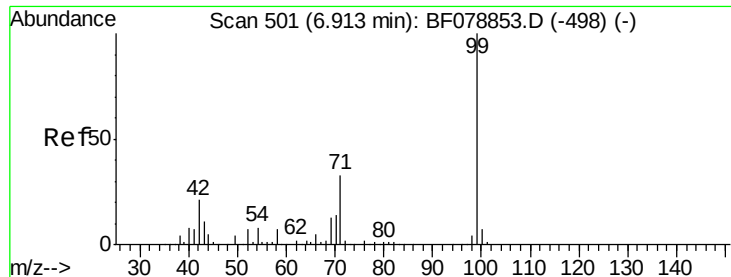
2-Fluorophenol
Concen: 14.71 ng
RT: 5.60 min Scan# 386
Delta R.T. 0.01 min
Lab File: BF079123.D
Acq: 11 May 2015 18:43

Tgt Ion:112 Resp: 49068
Ion Ratio Lower Upper
112 100
64 56.0 53.5 80.3
63 28.1 27.5 41.3



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: 20.14 ng

RT: 6.86 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

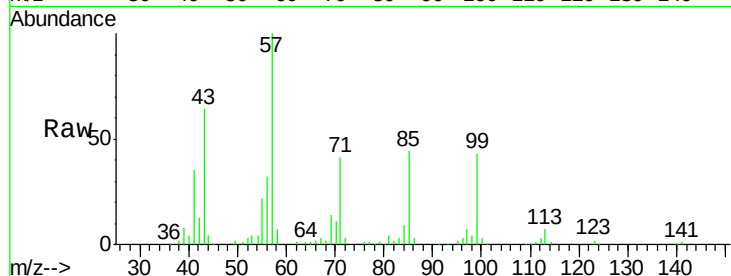
Tgt Ion: 99 Resp: 88791

Ion Ratio Lower Upper

99 100

42 29.3 12.8 19.2#

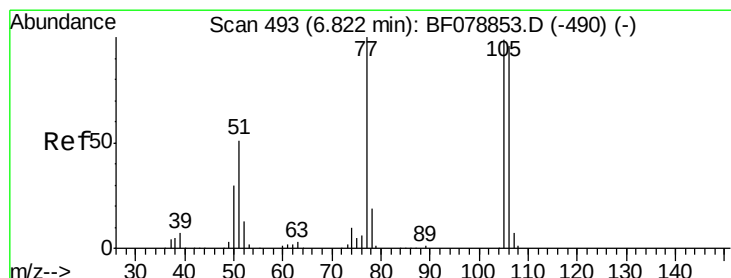
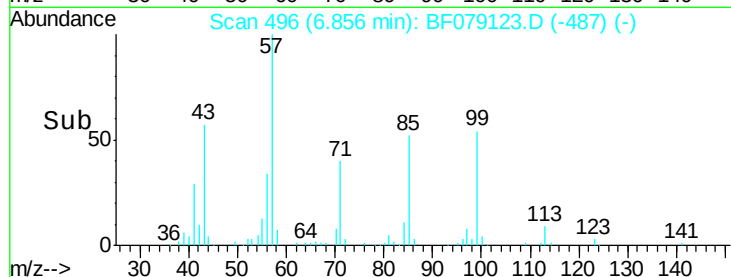
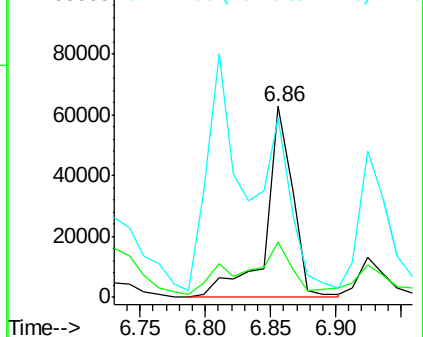
71 94.0 23.4 35.2#



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



#9

Benzaldehyde

Concen: 2.52 ng

RT: 6.72 min Scan# 484

Delta R.T. -0.03 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

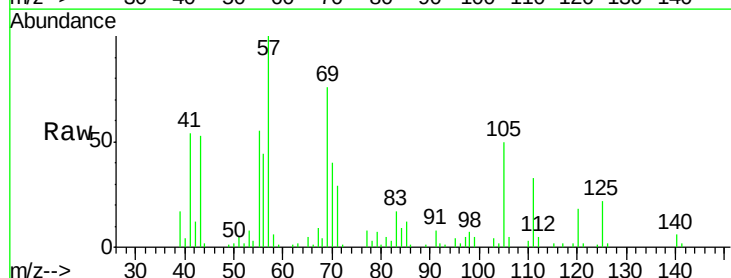
Tgt Ion: 77 Resp: 7475

Ion Ratio Lower Upper

77 100

105 607.3 81.7 121.7#

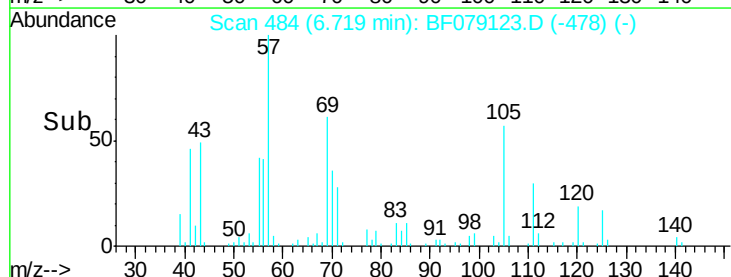
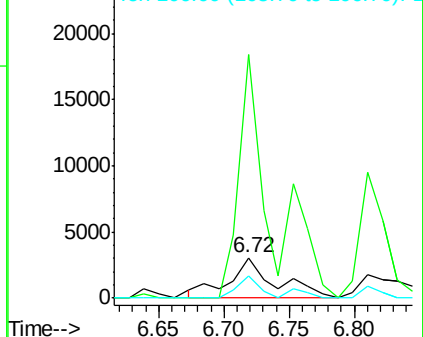
106 54.9 79.0 119.0#

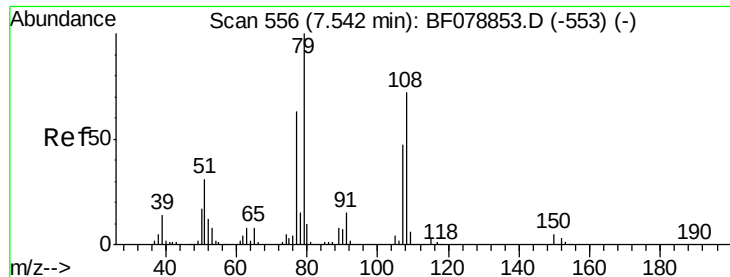


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 8.71 ng

RT: 7.50 min Scan# 552

Delta R.T. 0.01 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

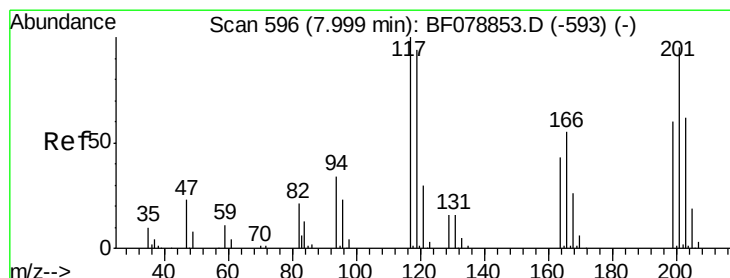
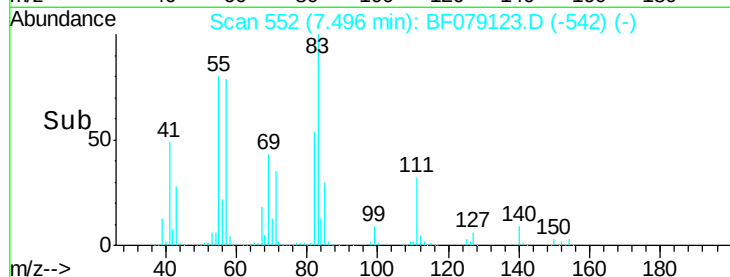
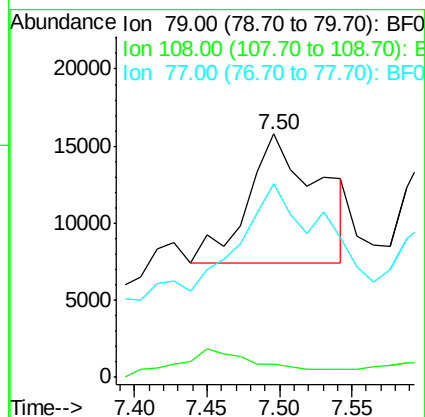
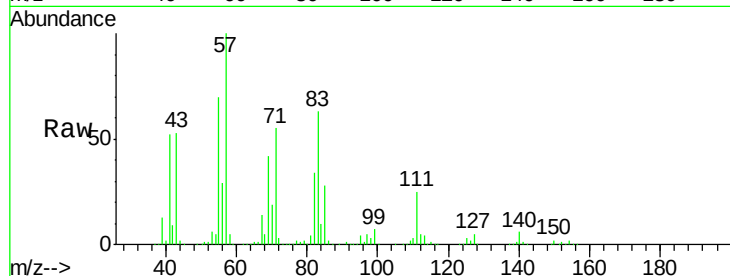
Tgt Ion: 79 Resp: 28493

Ion Ratio Lower Upper

79 100

108 5.7 62.5 93.7#

77 79.3 52.2 78.4#



#18

Hexachloroethane

Concen: 7.66 ng

RT: 7.93 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

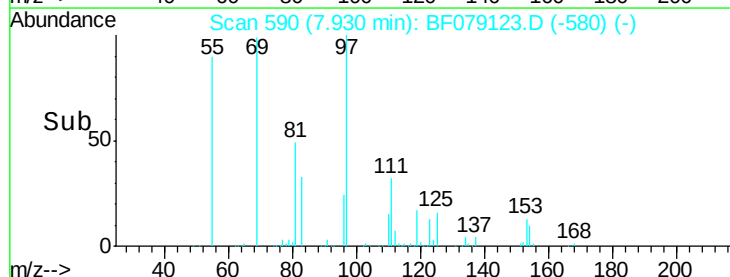
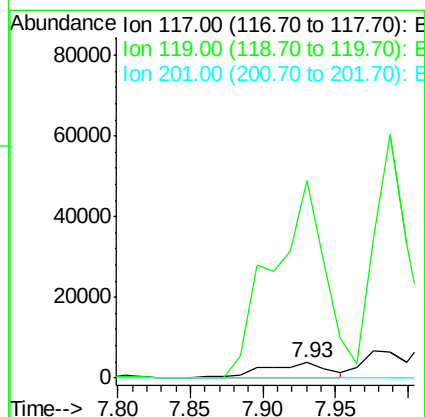
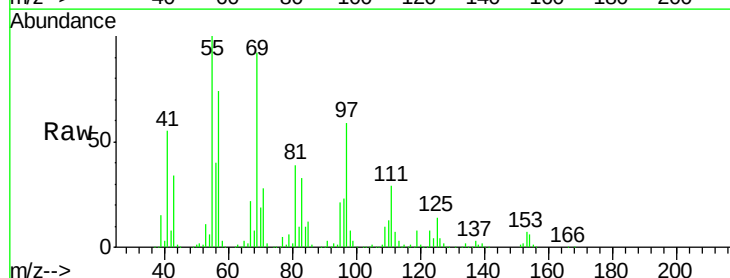
Tgt Ion: 117 Resp: 11545

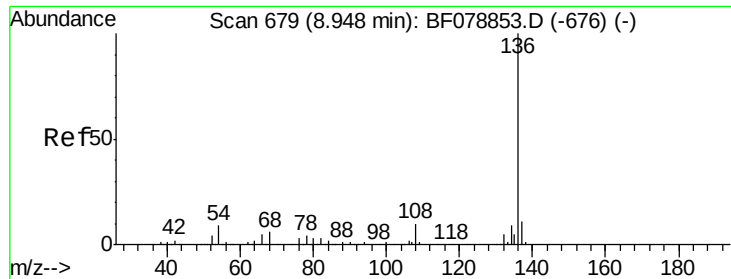
Ion Ratio Lower Upper

117 100

119 1298.4 75.4 113.0#

201 0.0 83.2 124.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.90 min Scan# 675

Delta R.T. 0.02 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

Tgt Ion:136 Resp: 124207

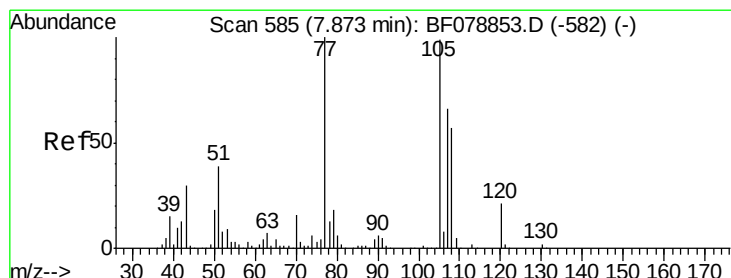
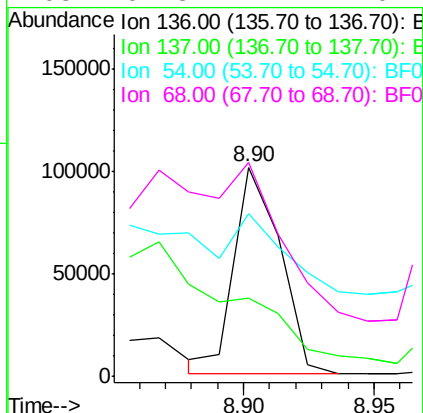
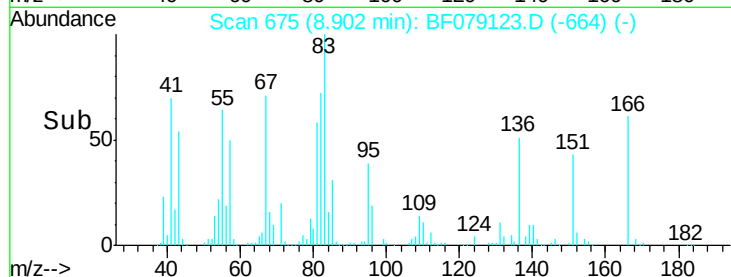
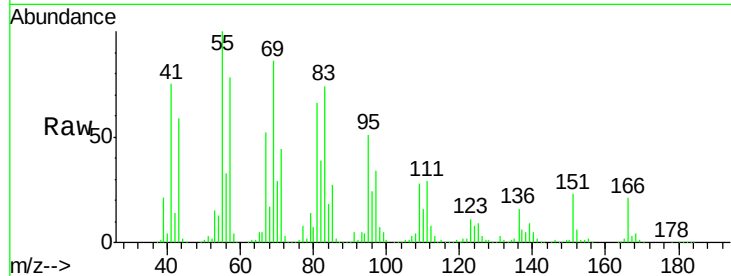
Ion Ratio Lower Upper

136 100

137 37.5 8.7 13.1#

54 78.0 5.8 8.8#

68 102.3 4.2 6.4#



#22

Acetophenone

Concen: 10.89 ng

RT: 7.80 min Scan# 579

Delta R.T. -0.00 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Tgt Ion:105 Resp: 30554

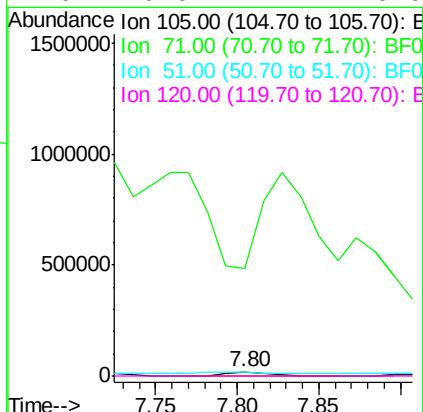
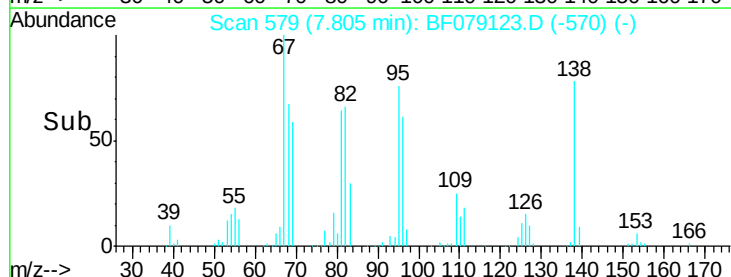
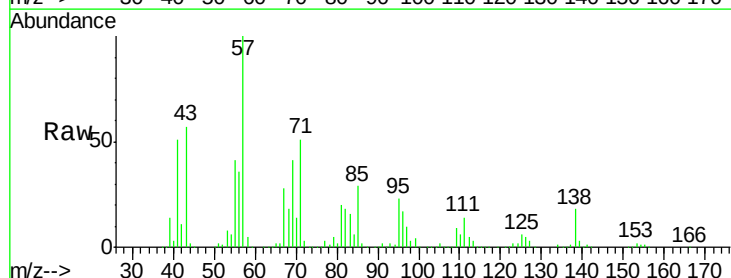
Ion Ratio Lower Upper

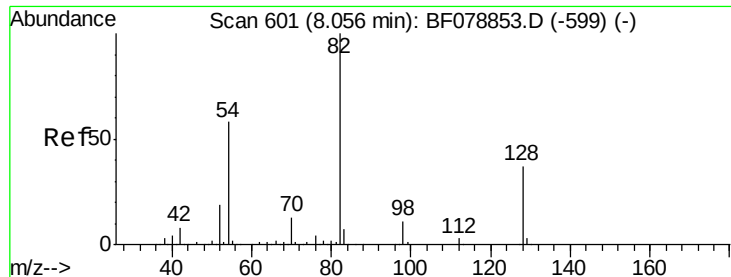
105 100

71 2434.2 4.6 6.8#

51 87.2 26.7 40.1#

120 0.0 17.4 26.0#

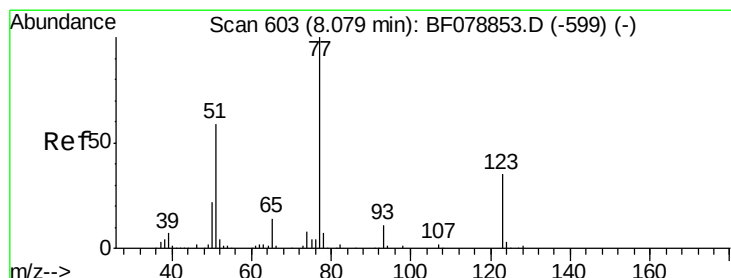
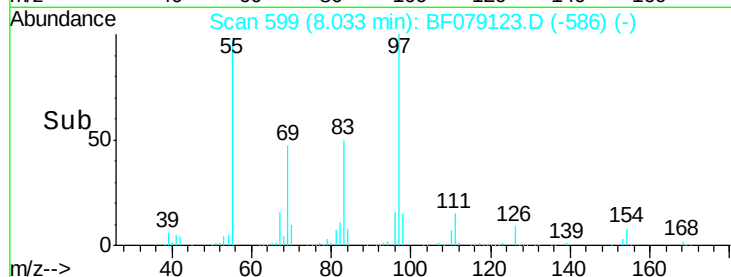
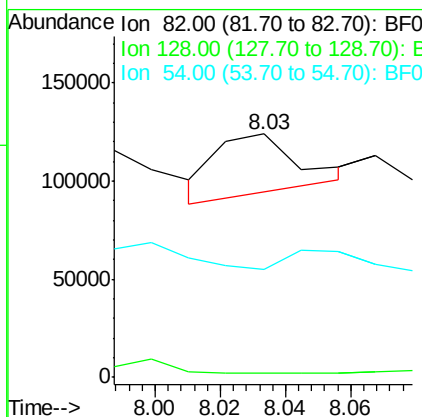
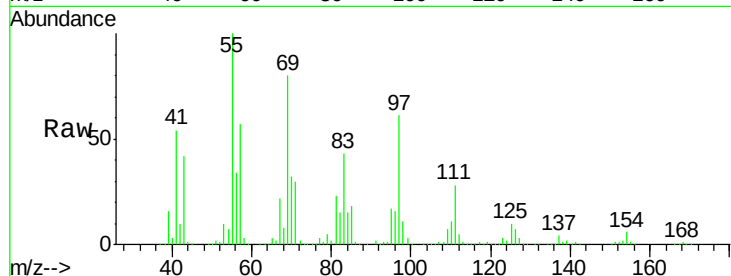




#23
Nitrobenzene-d5
Concen: 25.30 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.05 min
Lab File: BF079123.D
Acq: 11 May 2015 18:43

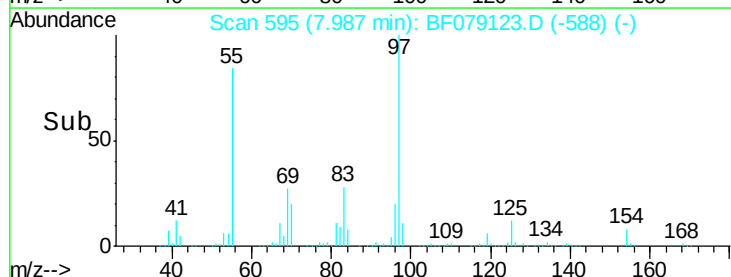
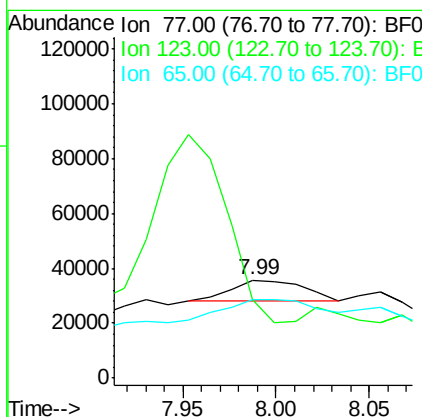
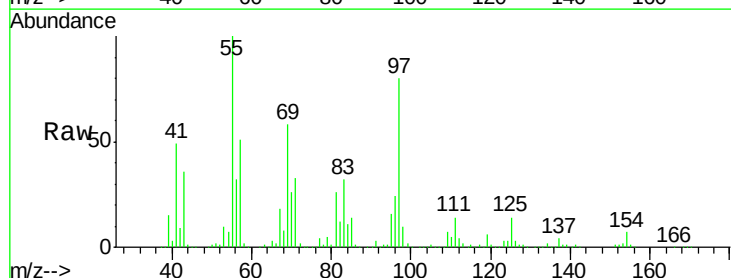
Instrument :
BNA_F
ClientSampleId :
LAR9795

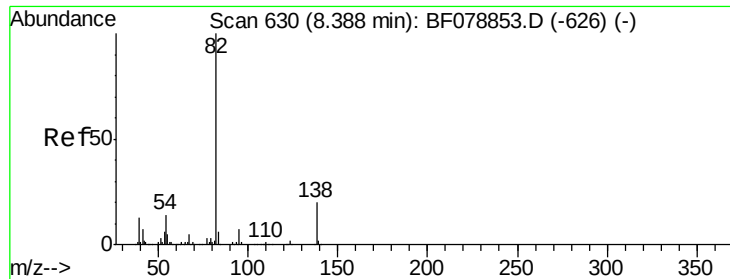
Tgt Ion: 82 Resp: 54682
Ion Ratio Lower Upper
82 100
128 1.9 30.0 45.0#
54 44.1 46.4 69.6#



#24
Nitrobenzene
Concen: 9.70 ng
RT: 7.99 min Scan# 595
Delta R.T. -0.02 min
Lab File: BF079123.D
Acq: 11 May 2015 18:43

Tgt Ion: 77 Resp: 20779
Ion Ratio Lower Upper
77 100
123 80.5 31.8 47.8#
65 80.7 10.6 15.8#





#25

Isophorone

Concen: 63.57 ng

RT: 8.32 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

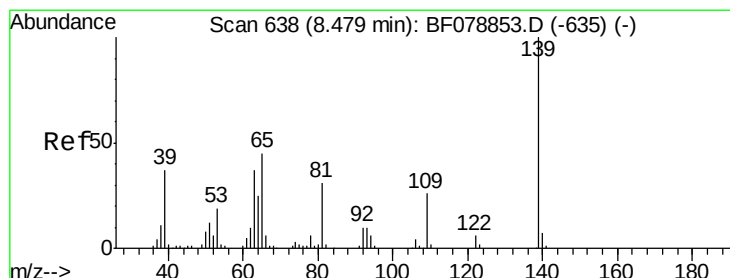
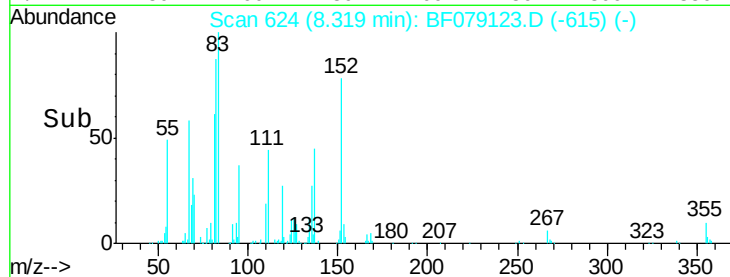
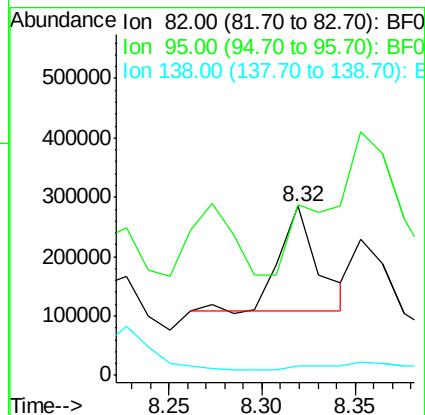
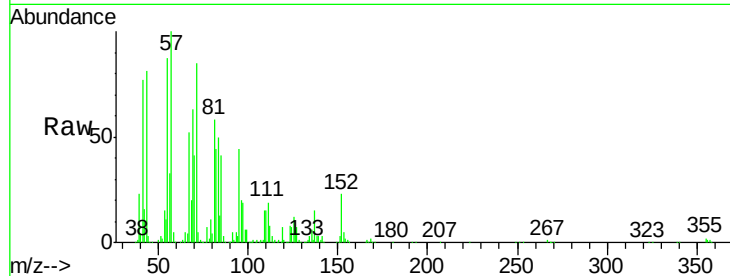
Tgt Ion: 82 Resp: 254678

Ion Ratio Lower Upper

82 100

95 100.6 5.3 7.9#

138 5.7 12.0 18.0#



#26

2-Nitrophenol

Concen: 36.19 ng

RT: 8.39 min Scan# 630

Delta R.T. -0.02 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

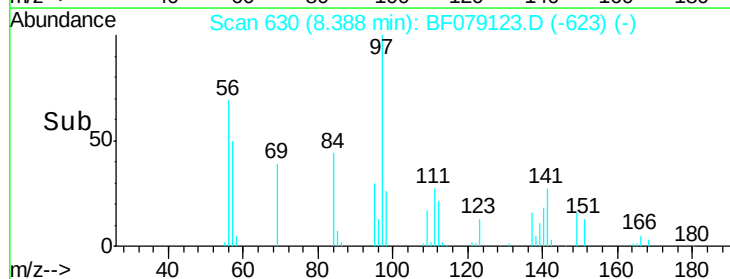
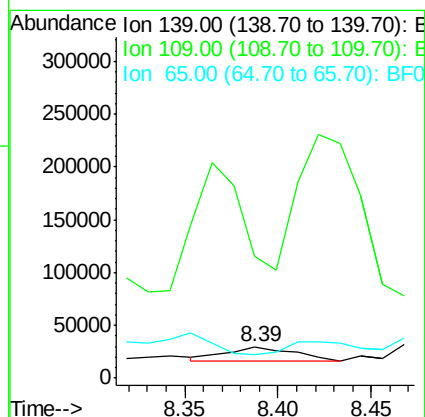
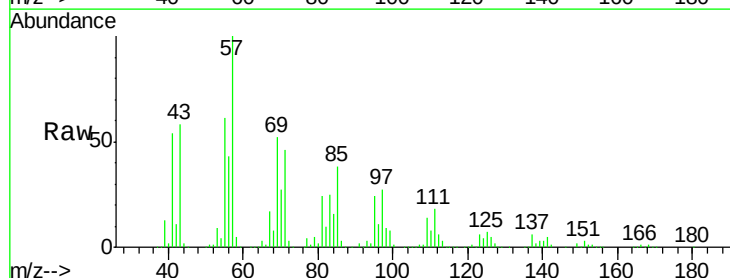
Tgt Ion: 139 Resp: 32091

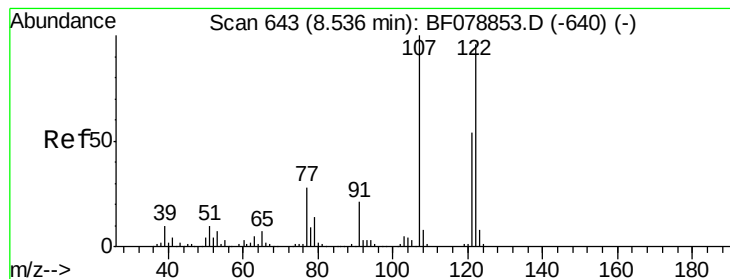
Ion Ratio Lower Upper

139 100

109 389.5 21.0 31.4#

65 76.8 30.5 45.7#





#27

2,4-Dimethylphenol

Concen: 25.05 ng

RT: 8.50 min Scan# 640

Delta R.T. 0.03 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

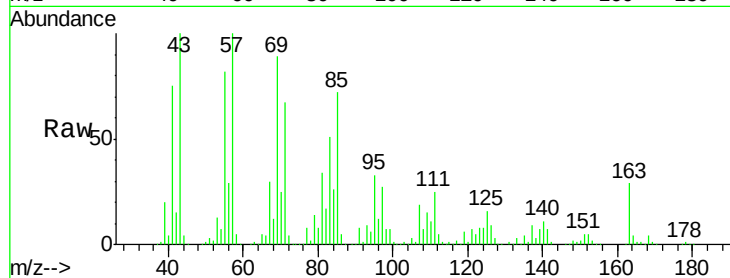
Tgt Ion:122 Resp: 44437

Ion Ratio Lower Upper

122 100

107 383.5 90.6 135.8#

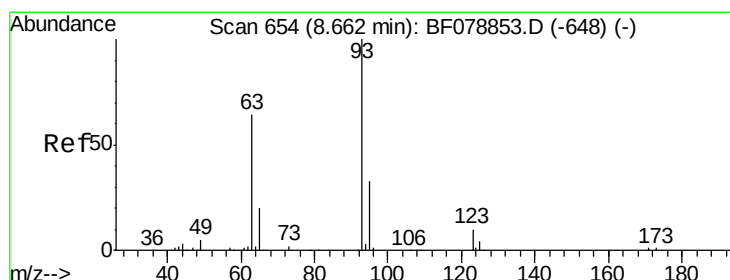
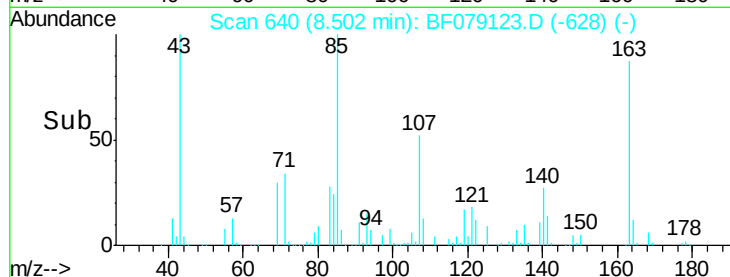
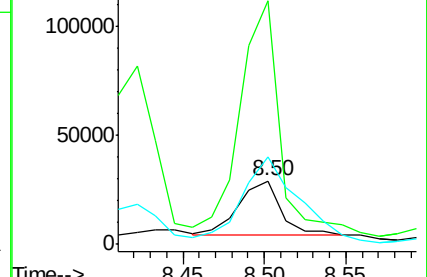
121 137.7 45.4 68.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.90 ng

RT: 8.63 min Scan# 651

Delta R.T. 0.03 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

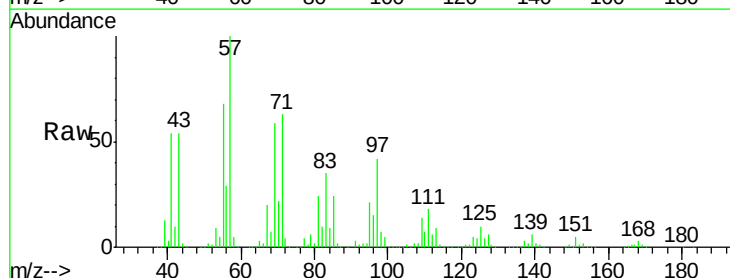
Tgt Ion: 93 Resp: 19504

Ion Ratio Lower Upper

93 100

95 917.3 26.7 40.1#

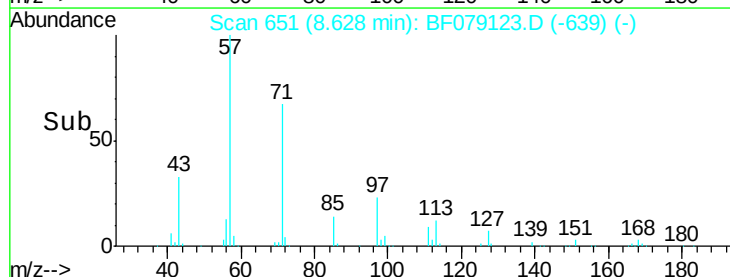
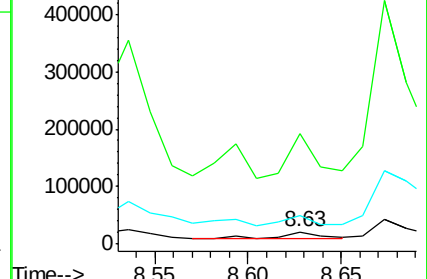
123 233.5 9.1 13.7#

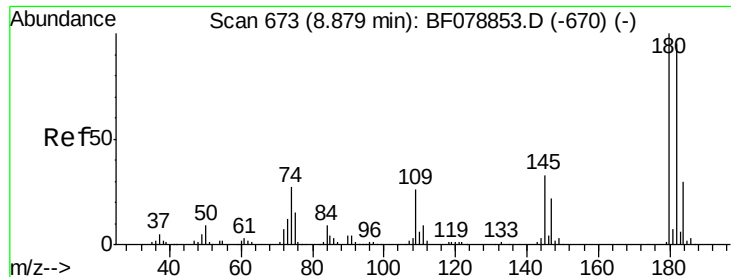


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

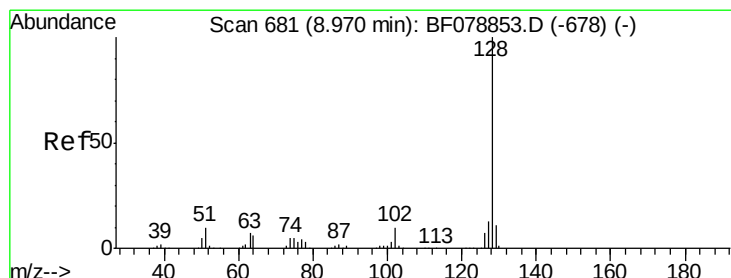
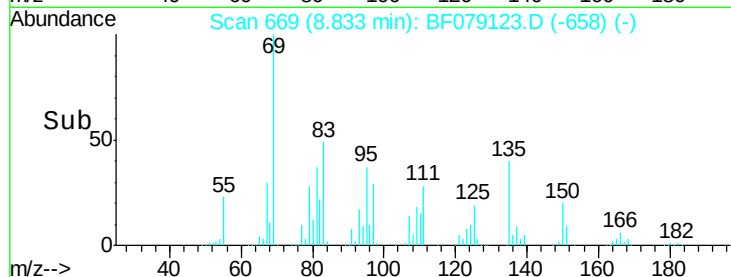
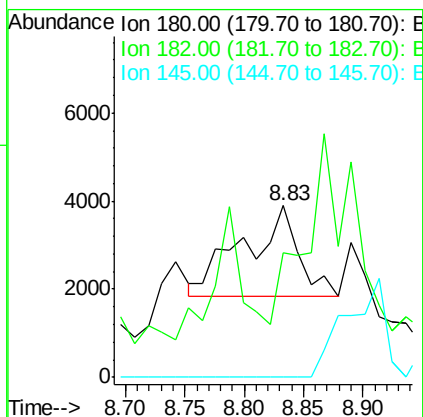
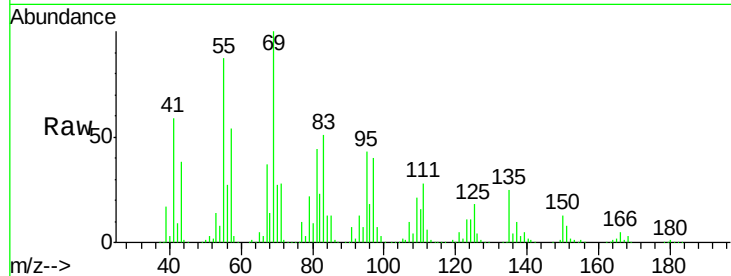




#30
 1,2,4-Trichlorobenzene
 Concen: 3.86 ng
 RT: 8.83 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: BF079123.D
 Acq: 11 May 2015 18:43

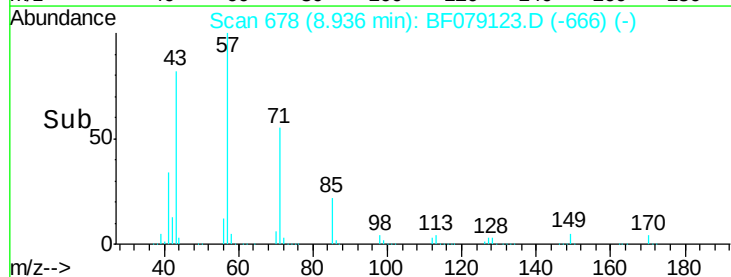
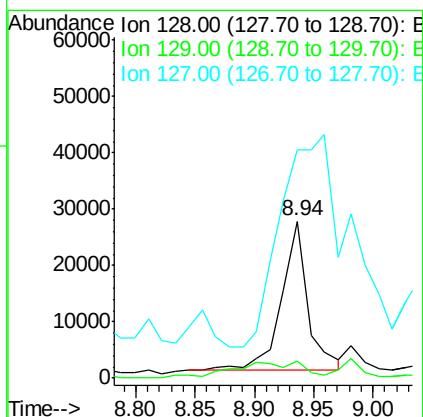
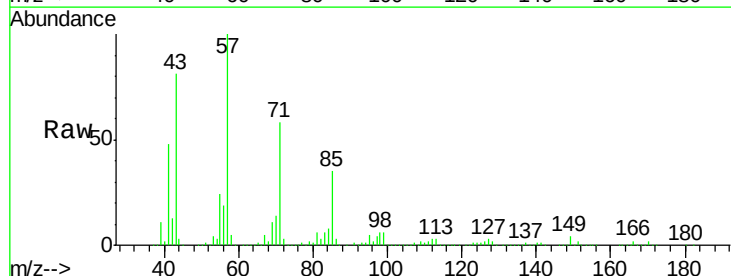
Instrument :
 BNA_F
 ClientSampleId :
 LAR9795

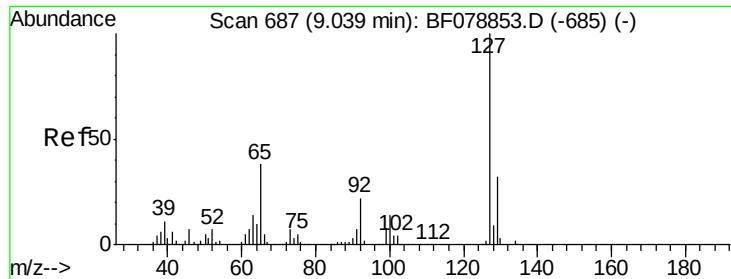
Tgt Ion:180 Resp: 6687
 Ion Ratio Lower Upper
 180 100
 182 72.3 78.9 118.3#
 145 0.0 24.2 36.4#



#31
 Naphthalene
 Concen: 6.97 ng
 RT: 8.94 min Scan# 678
 Delta R.T. 0.03 min
 Lab File: BF079123.D
 Acq: 11 May 2015 18:43

Tgt Ion:128 Resp: 41226
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.3 13.9
 127 145.7 10.7 16.1#

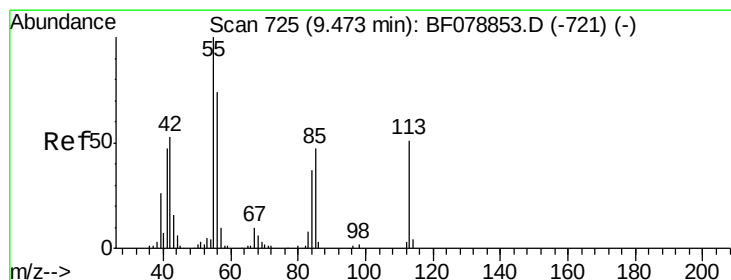
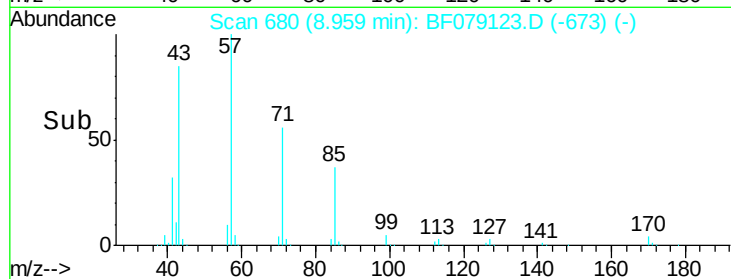
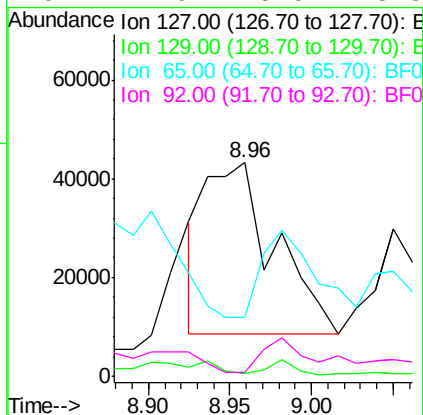
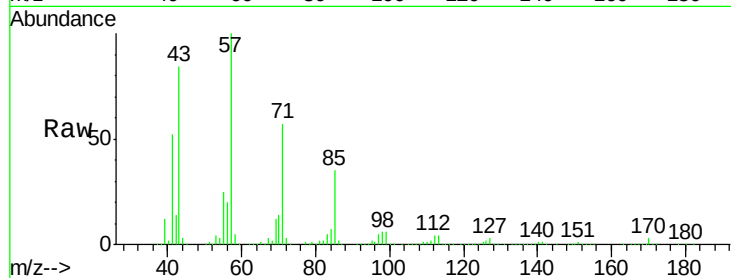




#33
 4-Chloroaniline
 Concen: 40.91 ng
 RT: 8.96 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF079123.D
 Acq: 11 May 2015 18:43

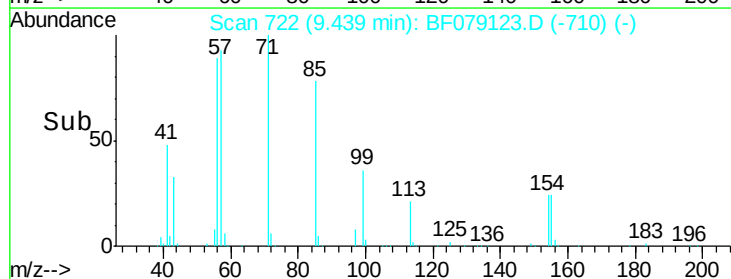
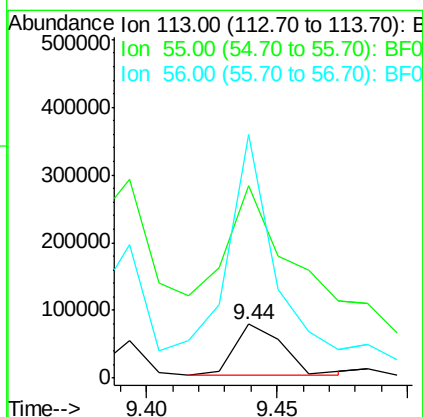
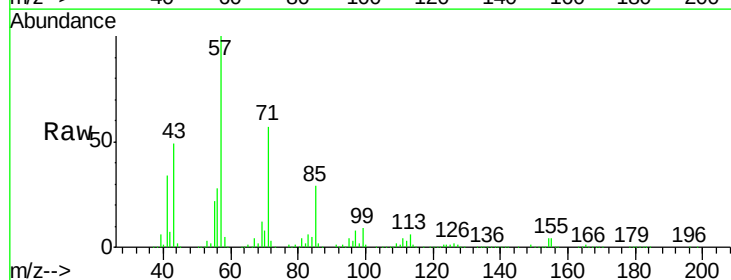
Instrument :
 BNA_F
 ClientSampleId :
 LAR9795

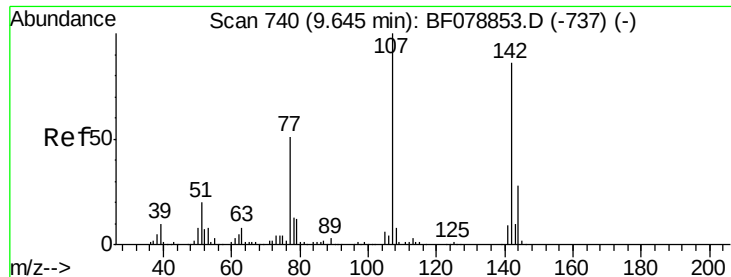
Tgt Ion:	127	Resp:	102441
Ion	Ratio	Lower	Upper
127	100		
129	1.4	25.8	38.8#
65	27.7	25.8	38.6
92	1.9	15.5	23.3#



#35
 Caprolactam
 Concen: 189.39 ng
 RT: 9.44 min Scan# 722
 Delta R.T. 0.03 min
 Lab File: BF079123.D
 Acq: 11 May 2015 18:43

Tgt Ion:	113	Resp:	96620
Ion	Ratio	Lower	Upper
113	100		
55	357.3	169.7	209.7#
56	453.3	122.5	162.5#

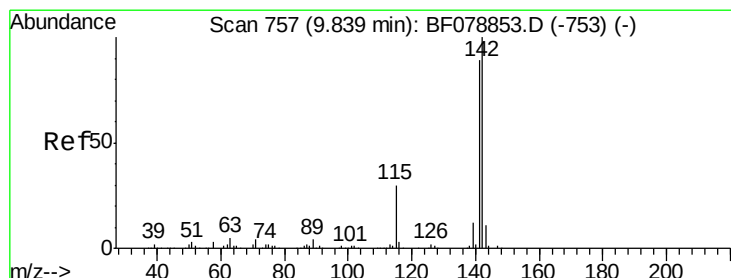
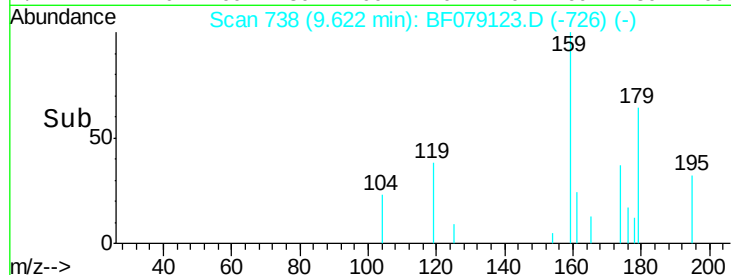
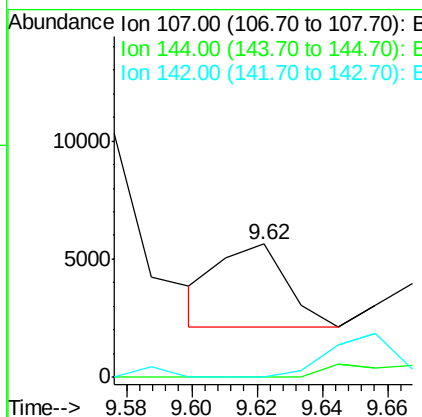
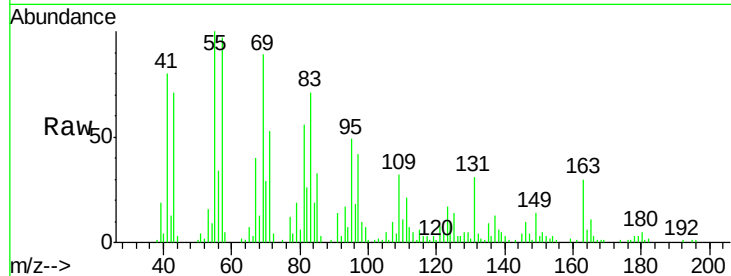




#36
 4-Chloro-3-methylphenol
 Concen: 3.03 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.03 min
 Lab File: BF079123.D
 Acq: 11 May 2015 18:43

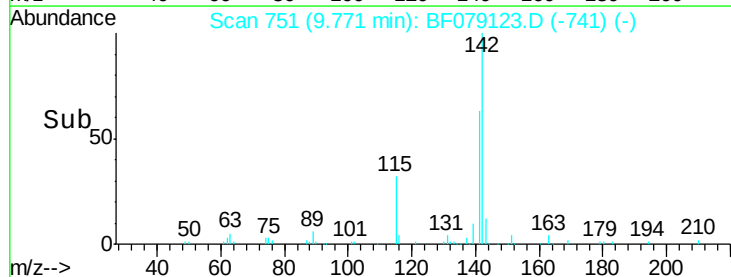
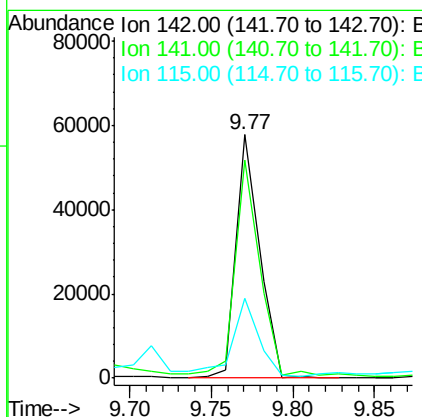
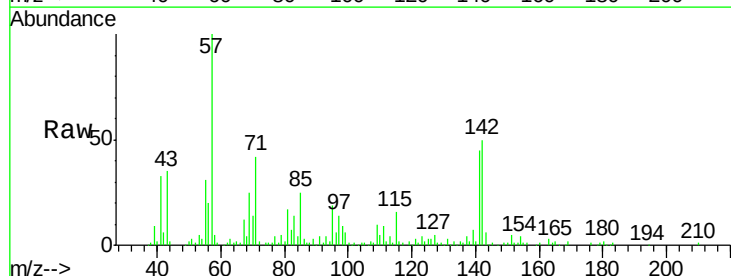
Instrument :
 BNA_F
 ClientSampled :
 LAR9795

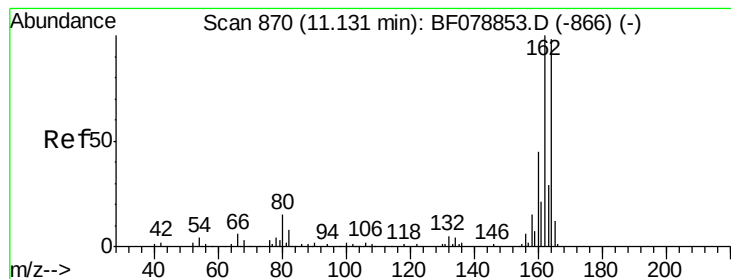
Tgt Ion:107 Resp: 5020
 Ion Ratio Lower Upper
 107 100
 144 0.0 19.8 29.6#
 142 0.0 60.6 91.0#



#37
 2-Methylnaphthalene
 Concen: 13.96 ng
 RT: 9.77 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: BF079123.D
 Acq: 11 May 2015 18:43

Tgt Ion:142 Resp: 57244
 Ion Ratio Lower Upper
 142 100
 141 89.7 70.9 106.3
 115 32.8 28.5 42.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

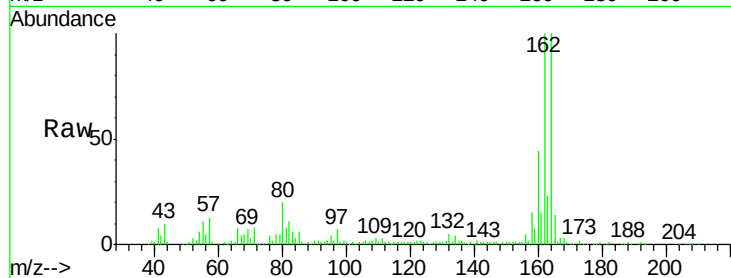
Tgt Ion:164 Resp: 129702

Ion Ratio Lower Upper

164 100

162 100.1 82.7 124.1

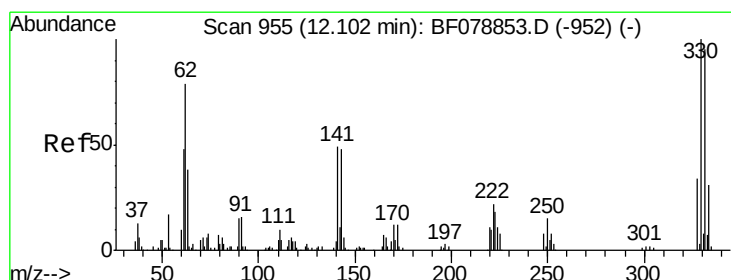
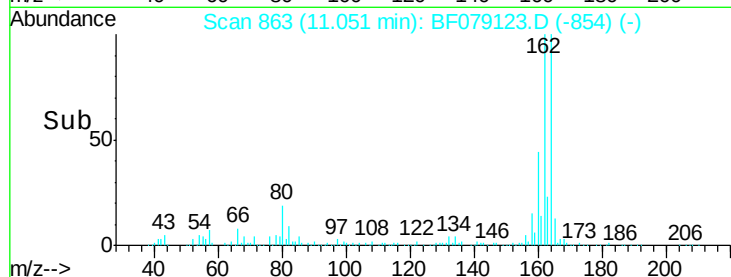
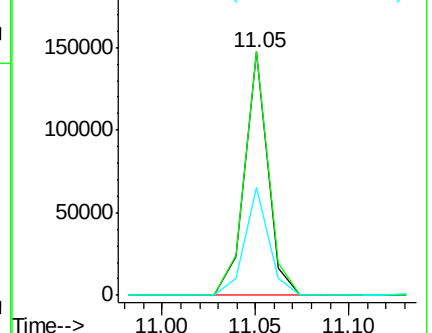
160 44.4 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 12.39 ng

RT: 12.03 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

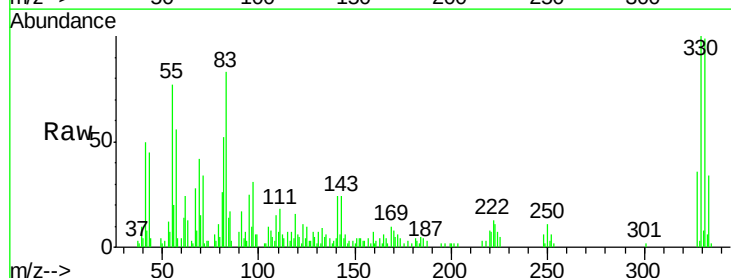
Tgt Ion:330 Resp: 17391

Ion Ratio Lower Upper

330 100

332 96.7 0.0 0.0#

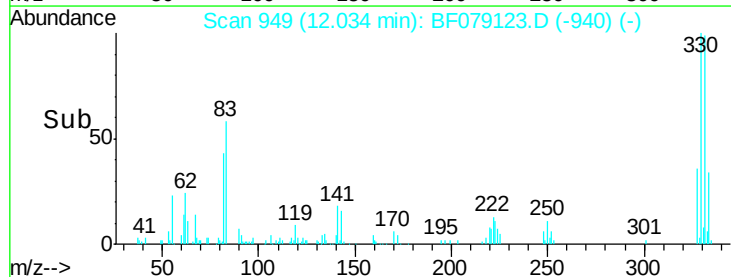
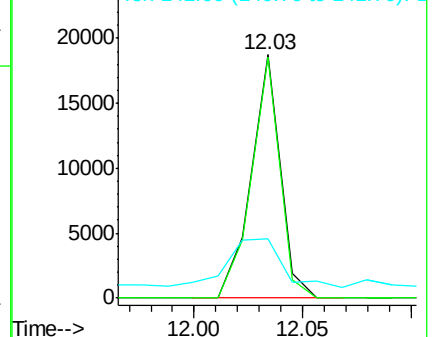
141 36.8 0.0 0.0#

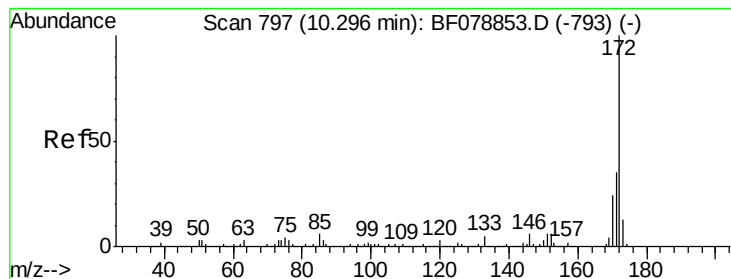


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 8.25 ng

RT: 10.22 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

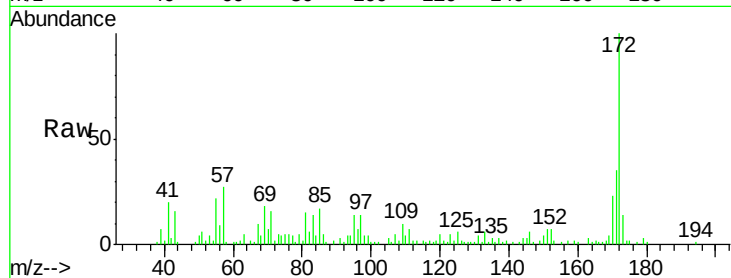
Tgt Ion:172 Resp: 76792

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

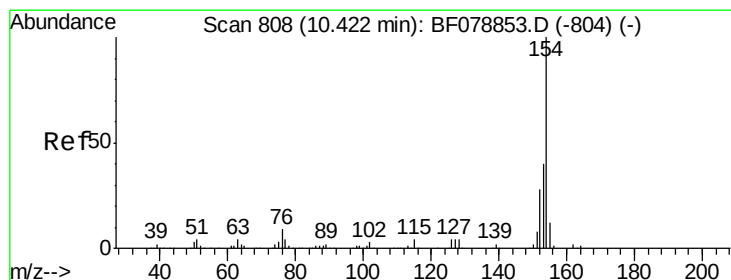
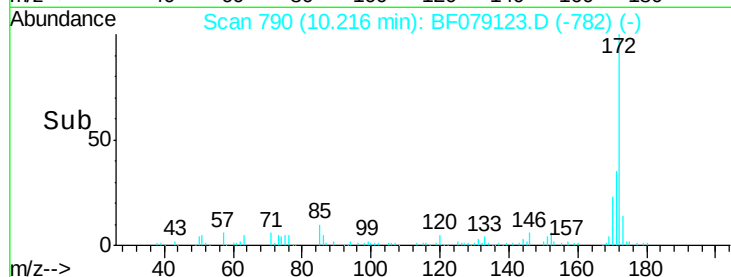
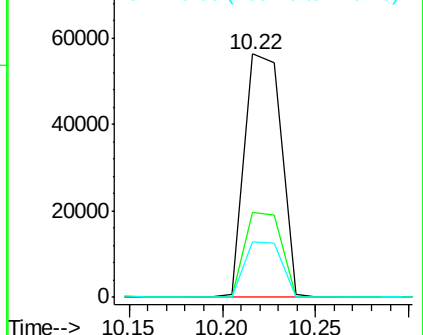
170 22.6 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 2.41 ng

RT: 10.34 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

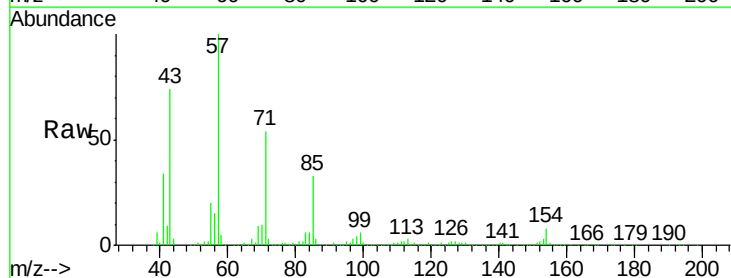
Tgt Ion:154 Resp: 24832

Ion Ratio Lower Upper

154 100

153 37.7 19.9 59.9

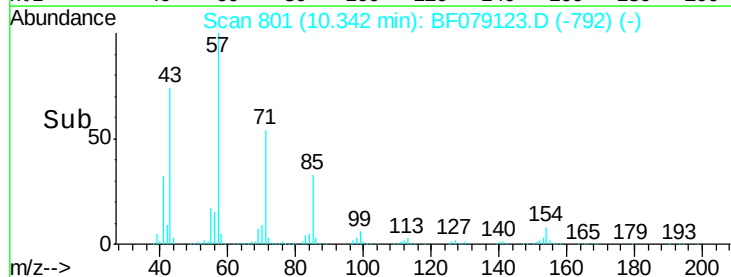
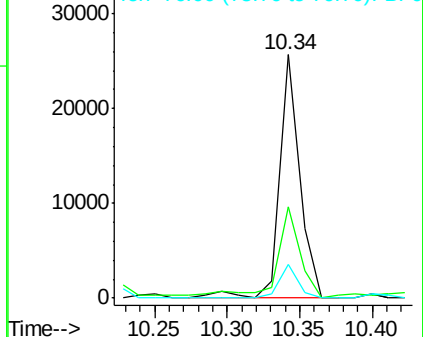
76 13.7 0.0 35.0

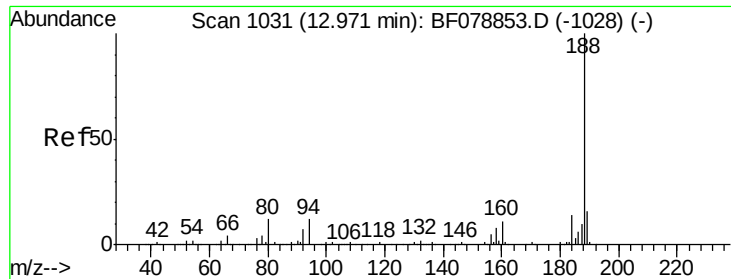


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

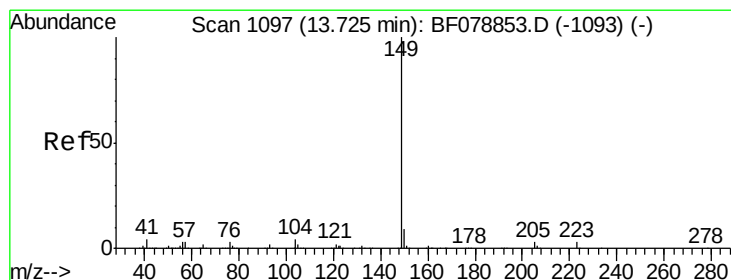
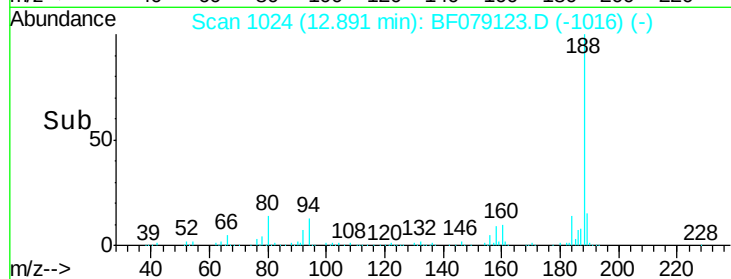
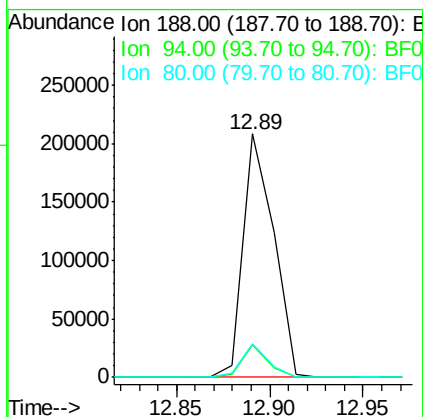
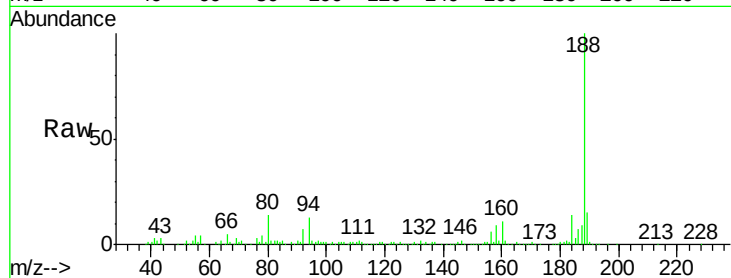




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.89 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF079123.D
Acq: 11 May 2015 18:43

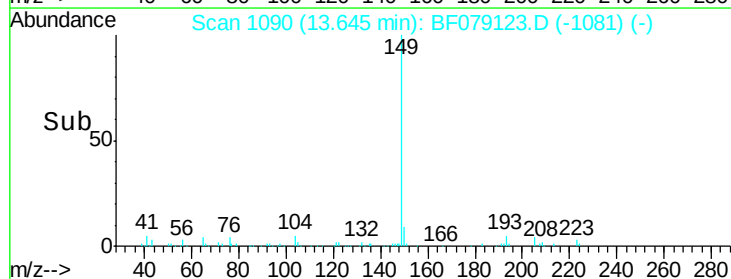
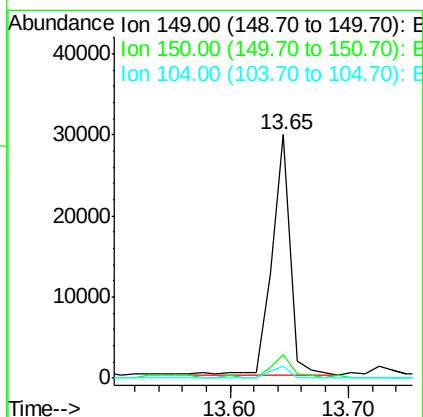
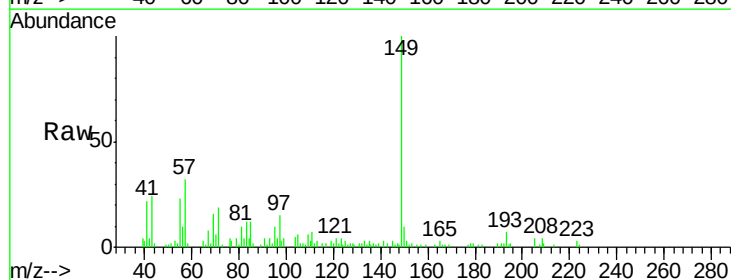
Instrument :
BNA_F
ClientSampled :
LAR9795

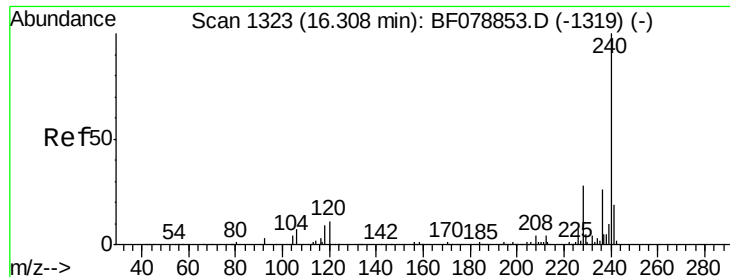
Tgt Ion:188 Resp: 236230
Ion Ratio Lower Upper
188 100
94 13.3 8.2 12.2#
80 13.9 8.9 13.3#



#73
Di-n-butylphthalate
Concen: 2.11 ng
RT: 13.65 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BF079123.D
Acq: 11 May 2015 18:43

Tgt Ion:149 Resp: 31336
Ion Ratio Lower Upper
149 100
150 9.6 7.7 11.5
104 5.1 4.6 7.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

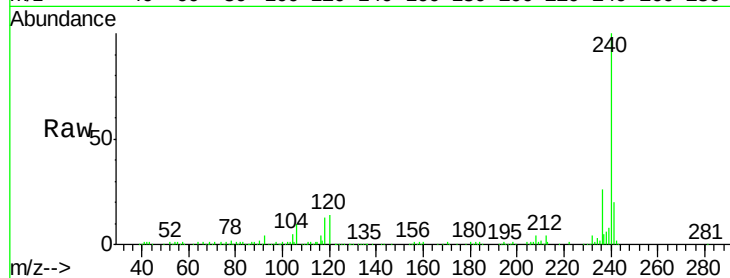
Tgt Ion:240 Resp: 260943

Ion Ratio Lower Upper

240 100

120 14.3 9.7 14.5

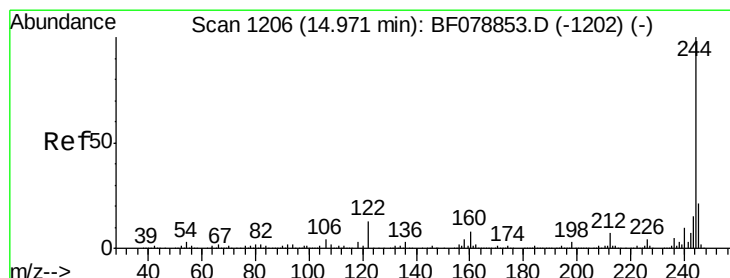
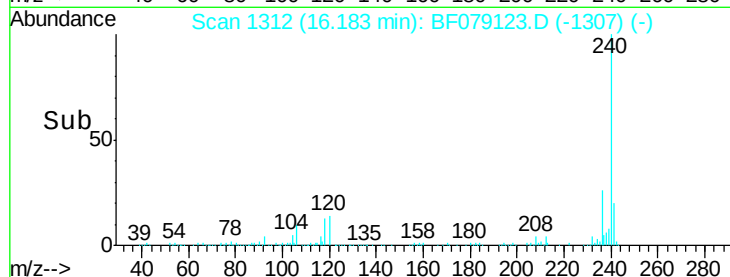
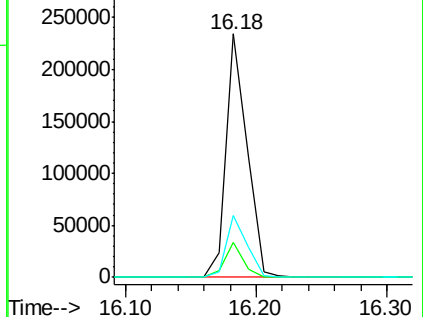
236 25.6 20.2 30.4



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



#78

Terphenyl-d14

Concen: 9.12 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

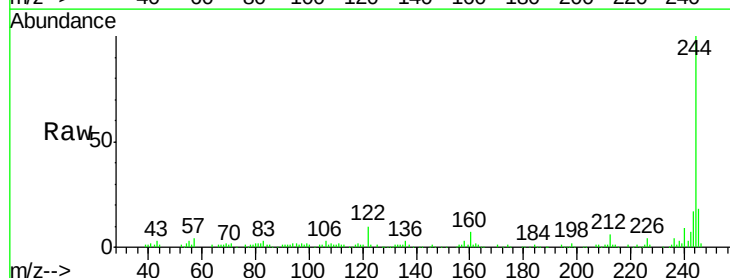
Tgt Ion:244 Resp: 99400

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

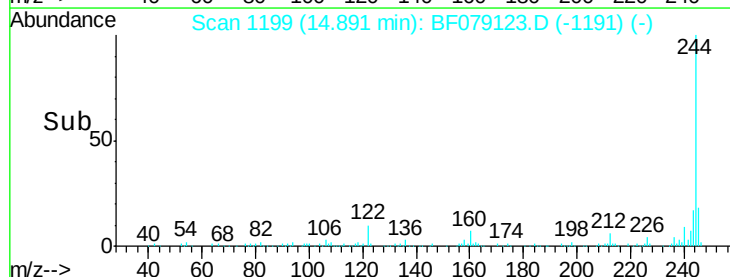
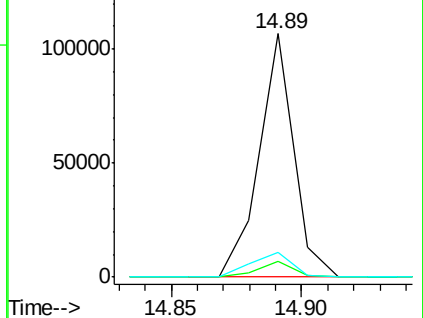
122 10.1 10.3 15.5#

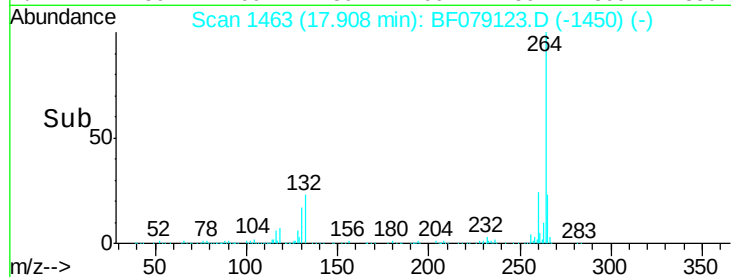
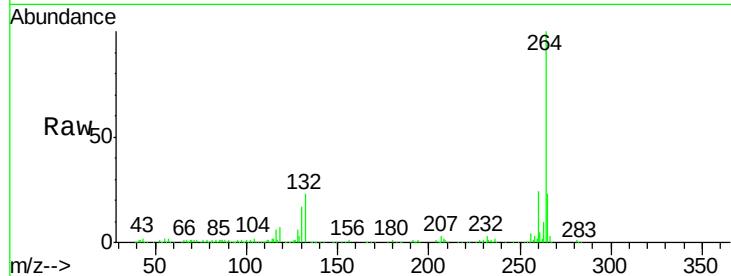
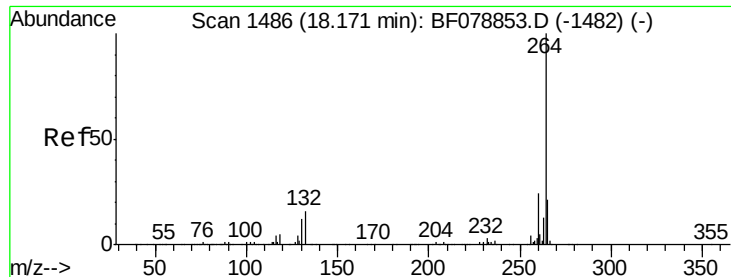


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.91 min Scan# 1463

Delta R.T. -0.15 min

Lab File: BF079123.D

Acq: 11 May 2015 18:43

Instrument :

BNA_F

ClientSampleId :

LAR9795

Tgt Ion: 264 Resp: 271189

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 22.6 18.3 27.5

