

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078395.D
 Acq On : 10 Apr 2015 10:40
 Operator : TP/IZ
 Sample : G1793-06DL 50X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 12:48:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	35588	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	149577	20.00	ng	0.00
38) Acenaphthene-d10	10.62	164	75405	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	144385	20.00	ng	-0.01
75) Chrysene-d12	15.73	240	149068	20.00	ng	-0.01
86) Perylene-d12	17.54	264	150620	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	2109	0.98	ng	-0.01
7) Phenol-d6	6.50	99	2608	0.96	ng	0.02
23) Nitrobenzene-d5	7.58	82	1299	0.53	ng	0.00
41) 2,4,6-Tribromophenol	11.61	330	250	0.40	ng	-0.01
44) 2-Fluorobiphenyl	9.81	172	4534	0.86	ng	0.00
78) Terphenyl-d14	14.44	244	4985	0.76	ng	-0.02

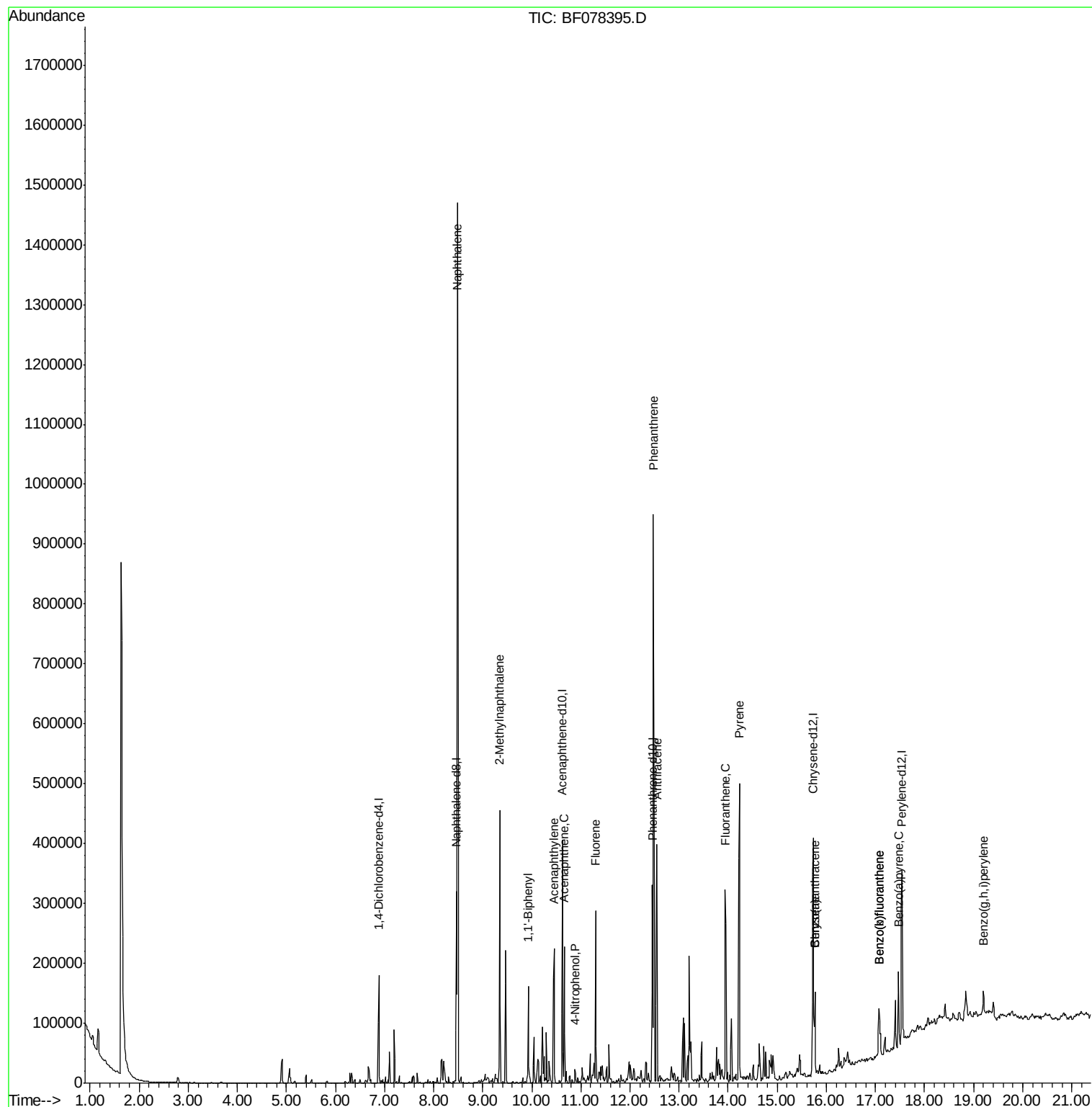
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.49	128	681912	87.59	ng	99
37) 2-Methylnaphthalene	9.34	142	132466	25.06	ng	97
45) 1,1'-Biphenyl	9.93	154	51977	8.43	ng	98
48) Acenaphthylene	10.45	152	127283	16.24	ng	99
51) Acenaphthene	10.66	154	55417	12.56	ng	99
55) 4-Nitrophenol	10.88	139	2361	5.10	ng	# 18
57) Fluorene	11.30	166	94445	17.29	ng	100
70) Phenanthrene	12.48	178	465605	55.75	ng	99
71) Anthracene	12.55	178	170117	20.67	ng	98
74) Fluoranthene	13.94	202	194843	22.12	ng	97
77) Pyrene	14.23	202	277776	29.68	ng	100
80) Benzo(a)anthracene	15.77	228	48846	5.51	ng	95
82) Chrysene	15.77	228	62941	7.55	ng	100
87) Benzo(b)fluoranthene	17.07	252	72246	7.76	ng	# 95
88) Benzo(k)fluoranthene	17.07	252	69124	8.36	ng	100
89) Benzo(a)pyrene	17.47	252	67709	8.33	ng	# 98
91) Benzo(a,h,i)perylene	19.20	276	29803	3.65	ng	95

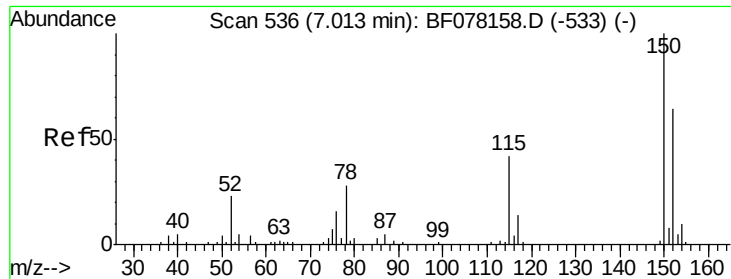
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

Instrument :

BNA_F

ClientSampleId :

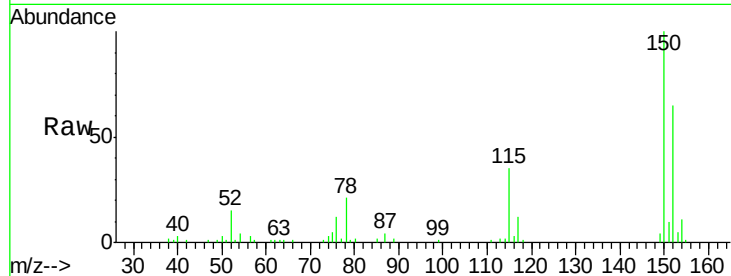
Tot Ion:152 Resp: 35588

Ion Ratio Lower Upper

152 100

150 154.7 125.9 188.9

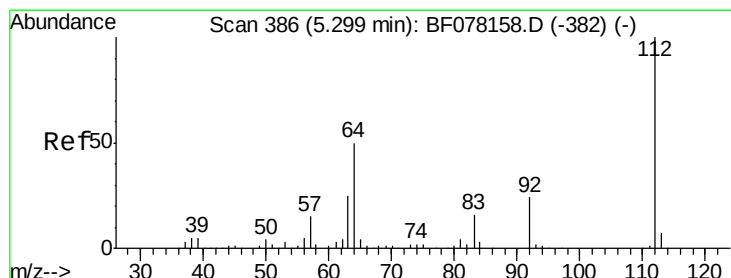
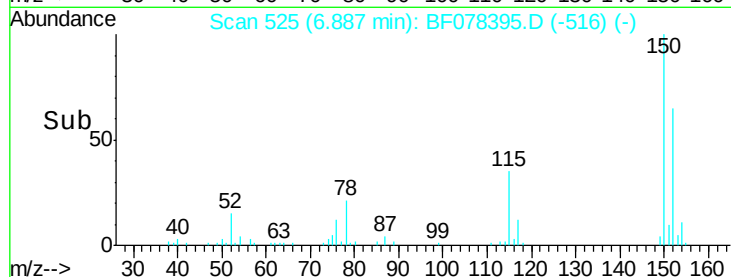
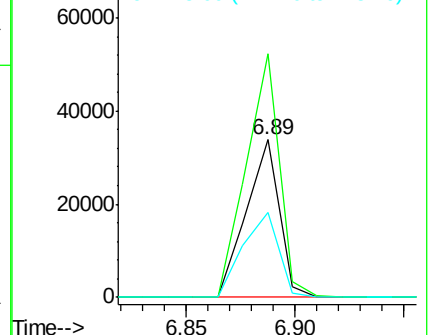
115 54.2 52.7 79.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 0.98 ng

RT: 5.16 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

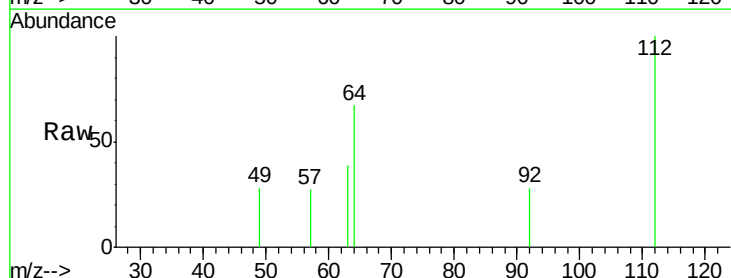
Tgt Ion:112 Resp: 2109

Ion Ratio Lower Upper

112 100

64 66.6 39.9 59.9#

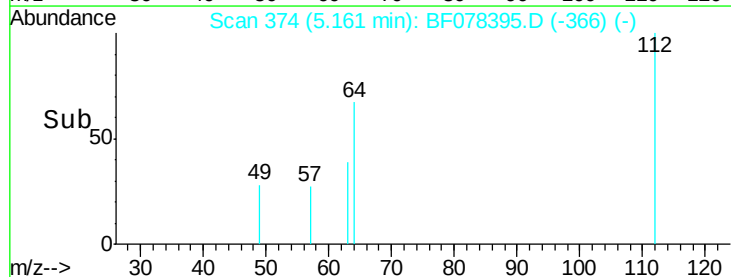
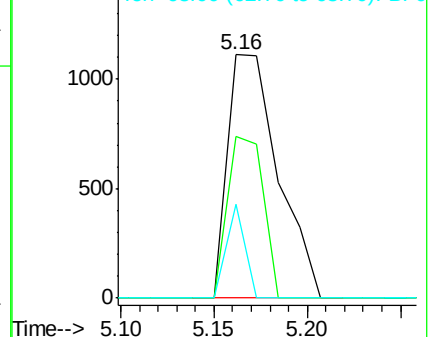
63 38.6 20.2 30.4#

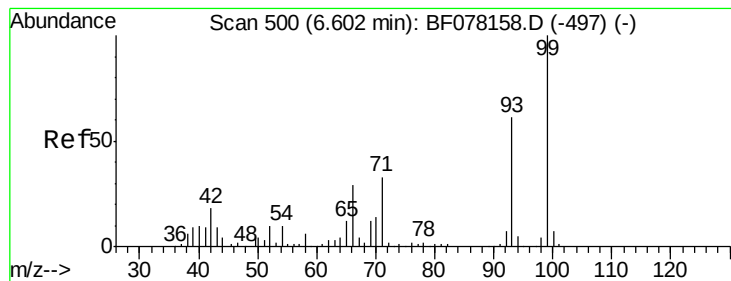


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.96 ng

RT: 6.50 min Scan# 491

Delta R.T. 0.02 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

Instrument :

BNA_F

ClientSampleId :

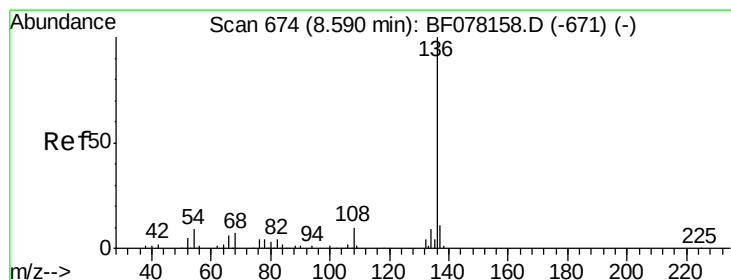
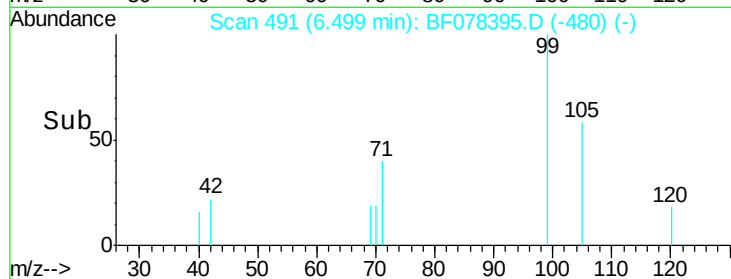
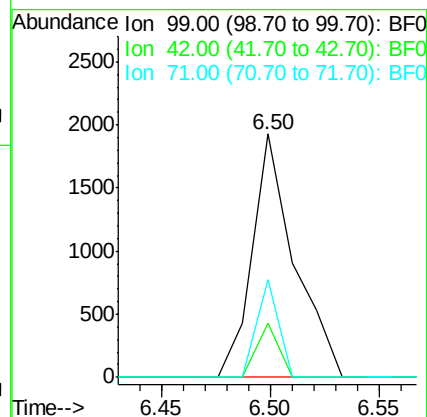
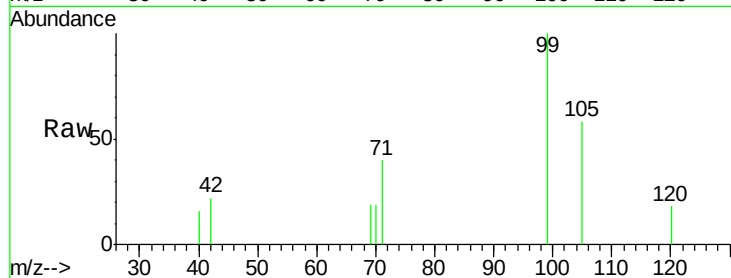
Tot Ion: 99 Resp: 2608

Ion Ratio Lower Upper

99 100

42 22.1 14.8 22.2

71 40.0 26.6 39.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

Tgt Ion: 136 Resp: 149577

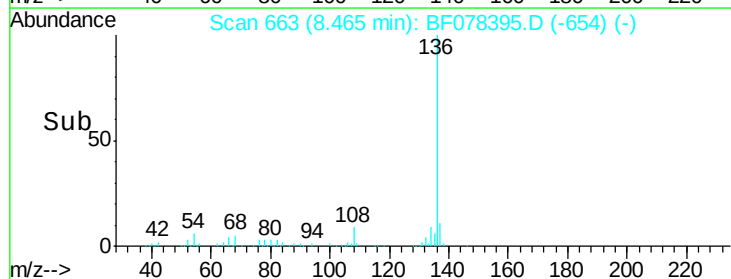
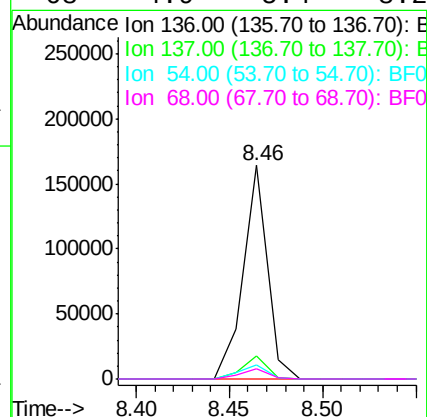
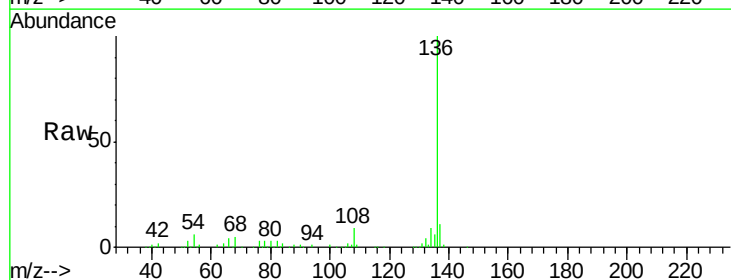
Ion Ratio Lower Upper

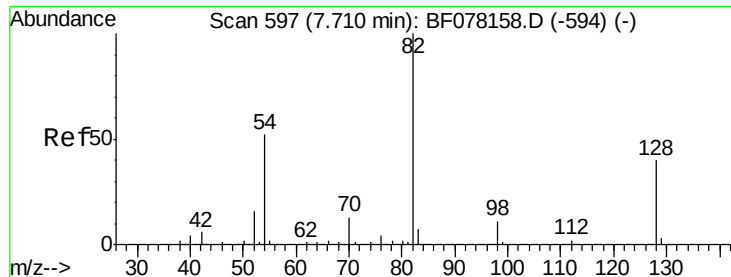
136 100

137 10.8 9.0 13.4

54 6.4 7.0 10.6#

68 4.9 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 0.53 na

RT: 7.58 min Scan# 586

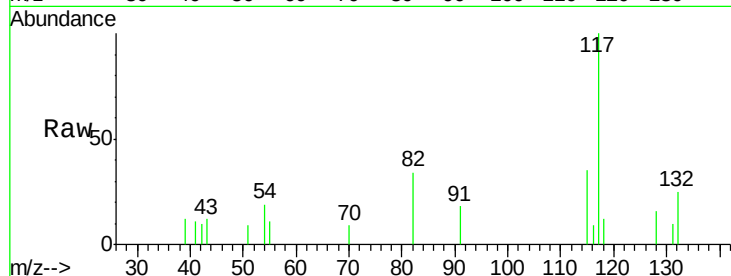
Delta R.T. 0.00 min

Lab File: BF078395.D

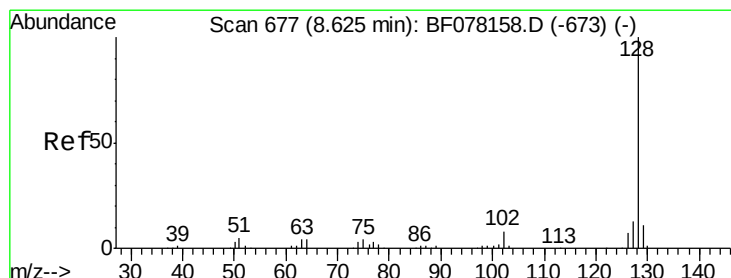
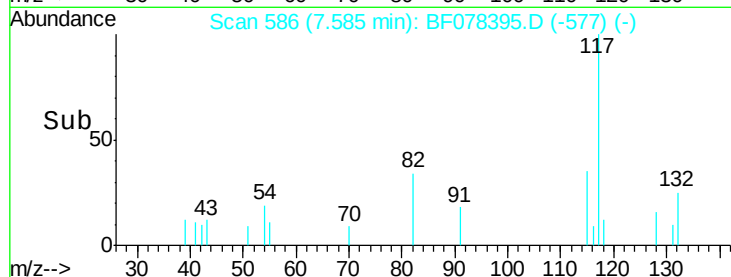
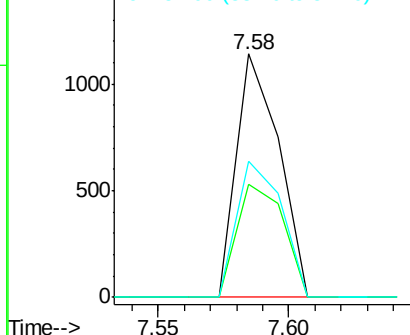
Acq: 10 Apr 2015 10:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:	82	Resp:	1299
Ion	Ratio	Lower	Upper
82	100		
128	46.2	31.8	47.8
54	56.1	41.5	62.3



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



#31

Naphthalene

Concen: 87.59 ng

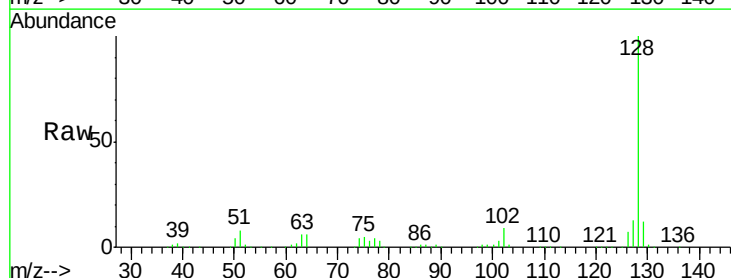
RT: 8.49 min Scan# 665

Delta R.T. -0.01 min

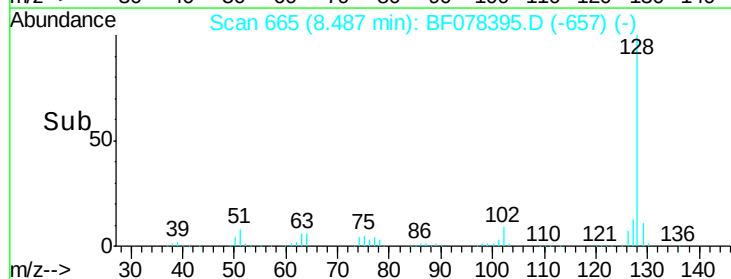
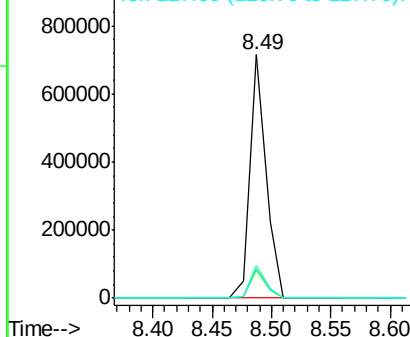
Lab File: BF078395.D

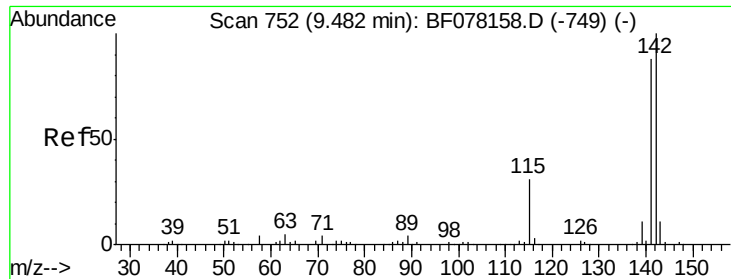
Acq: 10 Apr 2015 10:40

Tgt Ion:	128	Resp:	681912
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	13.3	10.7	16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

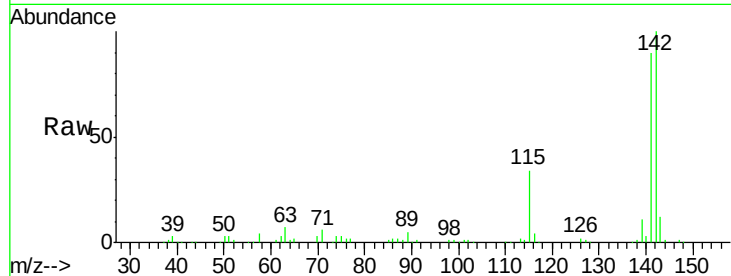




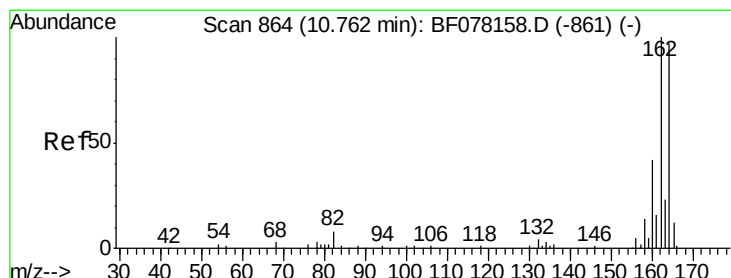
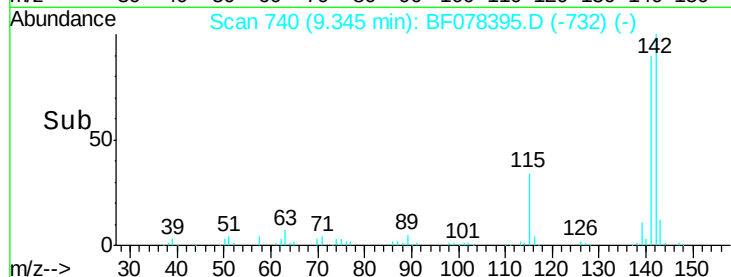
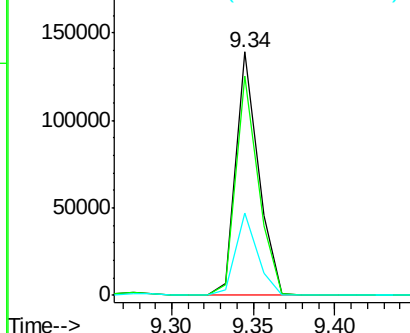
#37
2-Methylnaphthalene
Concen: 25.06 ng
RT: 9.34 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 132466
Ion Ratio Lower Upper
142 100
141 89.9 70.3 105.5
115 33.7 24.6 37.0

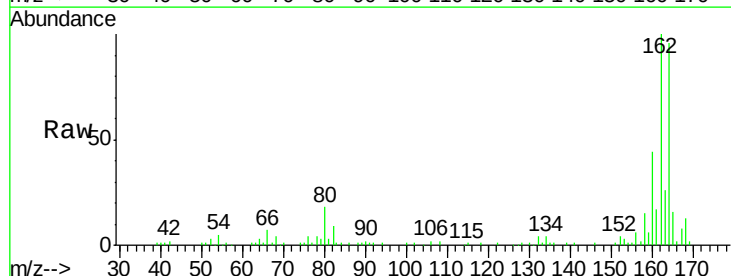


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

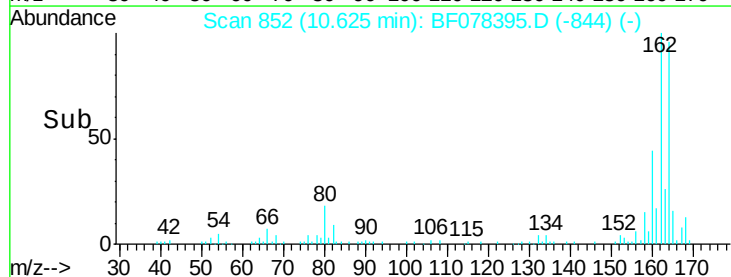
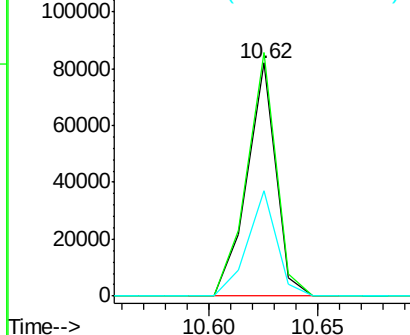


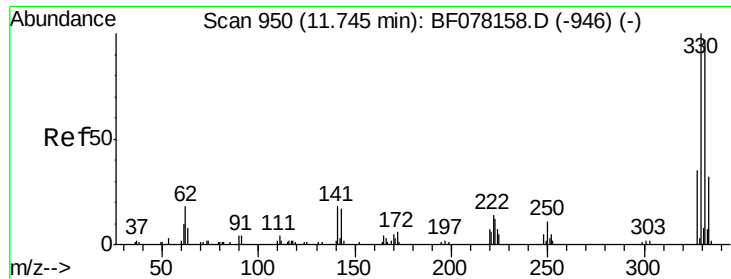
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:164 Resp: 75405
Ion Ratio Lower Upper
164 100
162 104.4 82.2 123.2
160 45.4 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

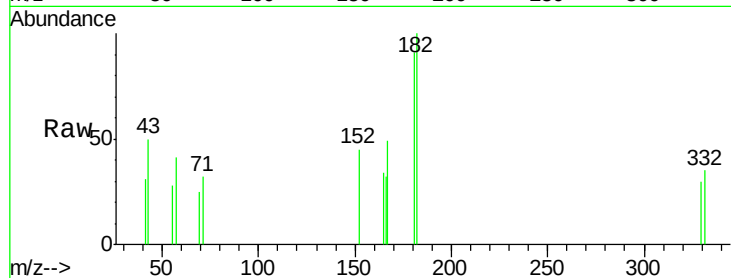




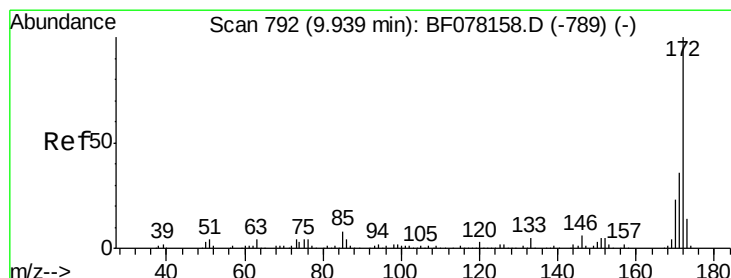
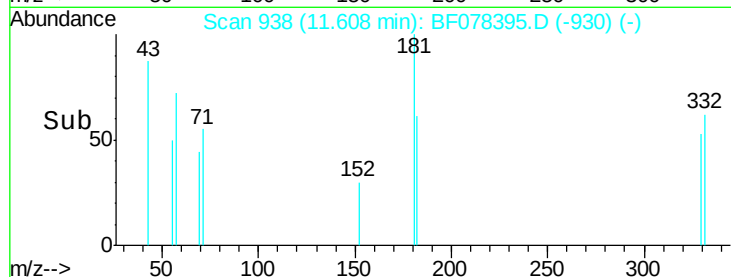
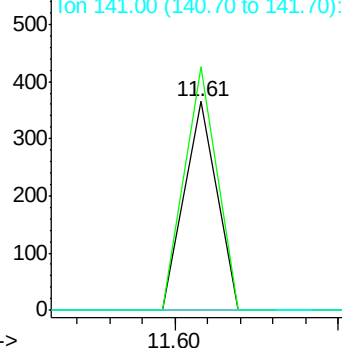
#41
 2,4,6-Tribromophenol
 Concen: 0.40 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF078395.D
 Acq: 10 Apr 2015 10:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 250
 Ion Ratio Lower Upper
 330 100
 332 116.8 78.6 117.8
 141 0.0 31.2 46.8#

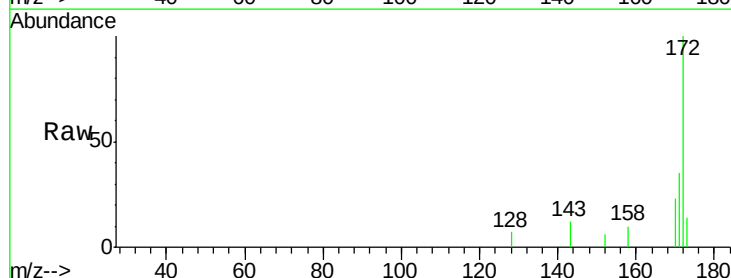


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

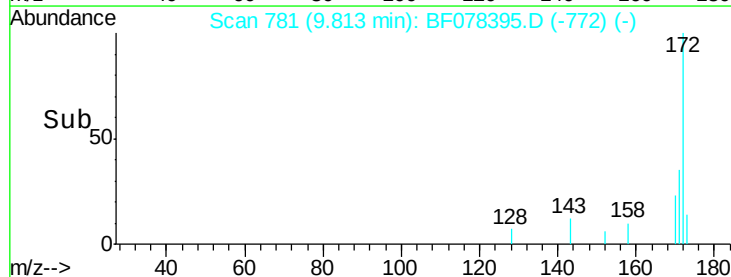
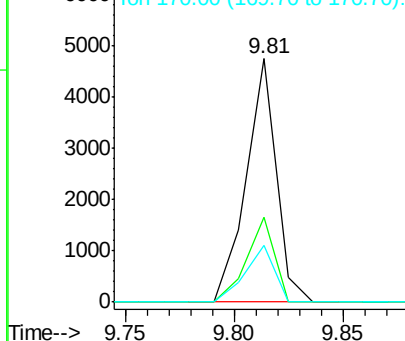


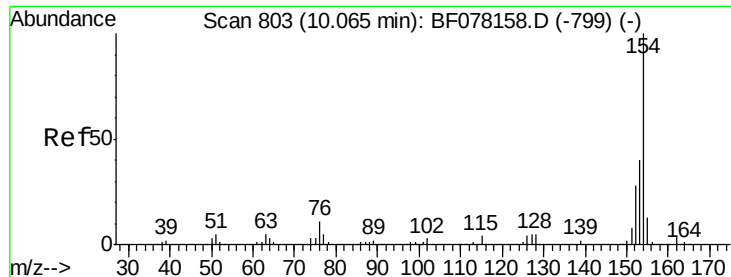
#44
 2-Fluorobiphenyl
 Concen: 0.86 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF078395.D
 Acq: 10 Apr 2015 10:40

Tgt Ion:172 Resp: 4534
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.2 18.5 27.7



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: 8.43 ng

RT: 9.93 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

Instrument :

BNA_F

ClientSampleId :

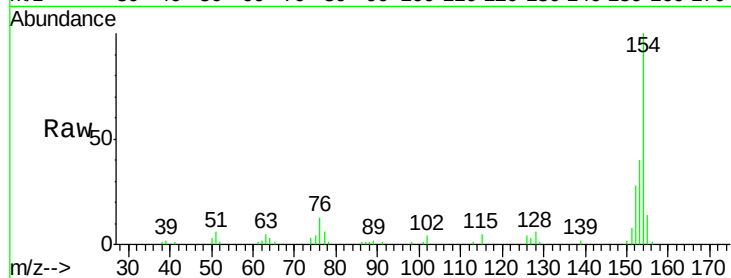
Tot Ion:154 Resp: 51977

Ion Ratio Lower Upper

154 100

153 40.5 20.0 60.0

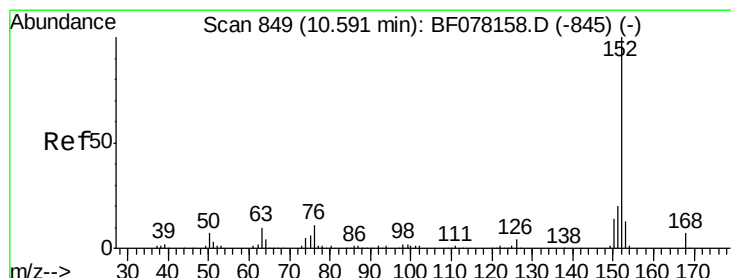
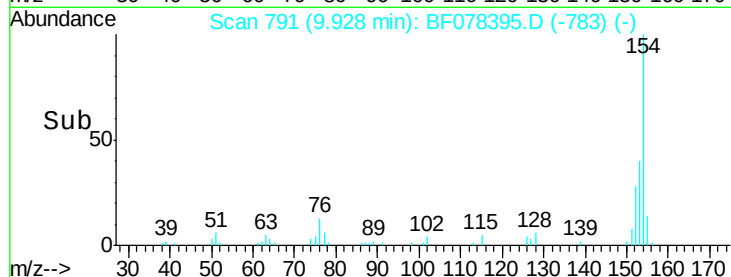
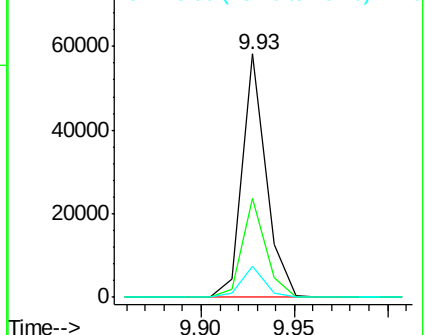
76 12.6 0.0 30.6



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



#48

Acenaphthylene

Concen: 16.24 ng

RT: 10.45 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

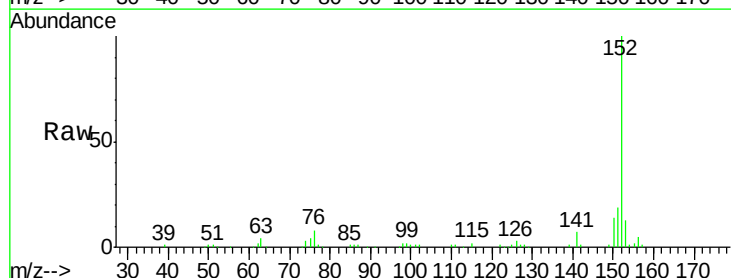
Tgt Ion:152 Resp: 127283

Ion Ratio Lower Upper

152 100

151 19.1 15.7 23.5

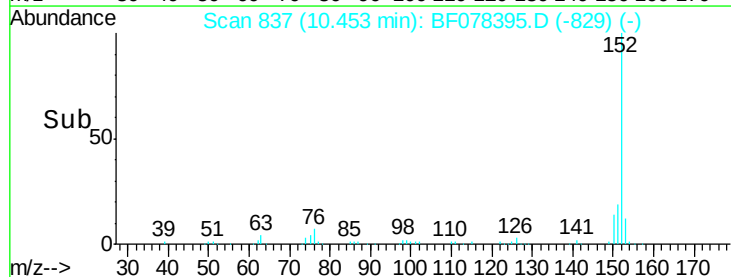
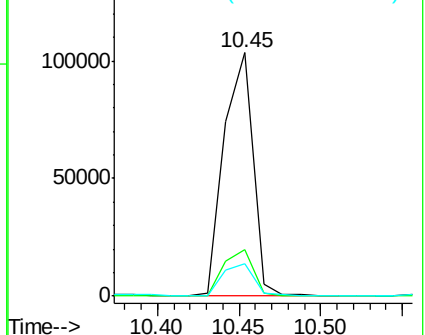
153 13.3 10.2 15.2

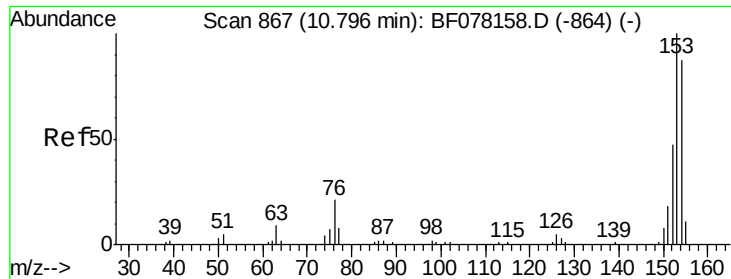


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 12.56 ng

RT: 10.66 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

Instrument :

BNA_F

ClientSampleId :

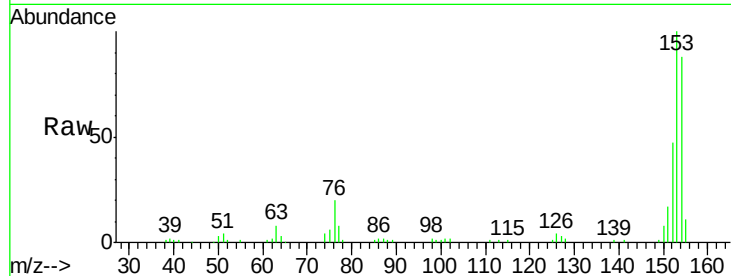
Tot Ion:154 Resp: 55417

Ion Ratio Lower Upper

154 100

153 113.3 91.4 137.2

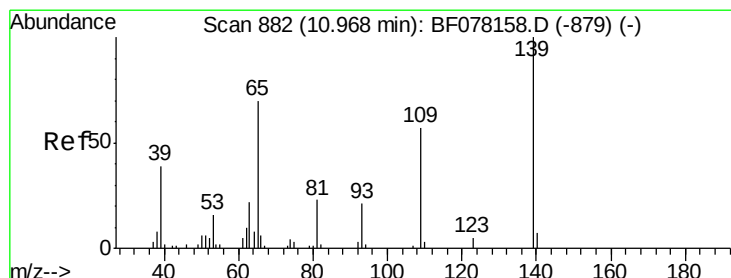
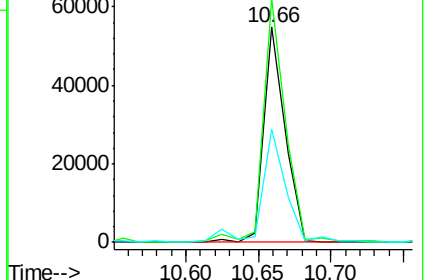
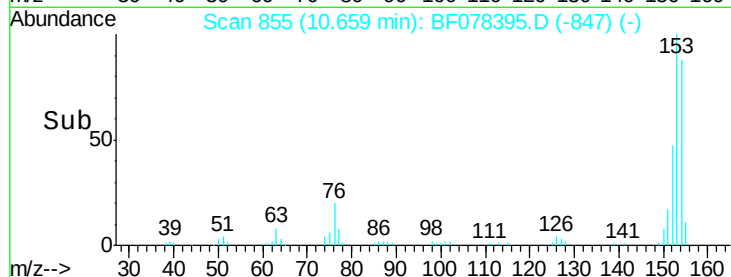
152 52.9 43.0 64.6



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



#55

4-Nitrophenol

Concen: 5.10 ng

RT: 10.88 min Scan# 874

Delta R.T. 0.04 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

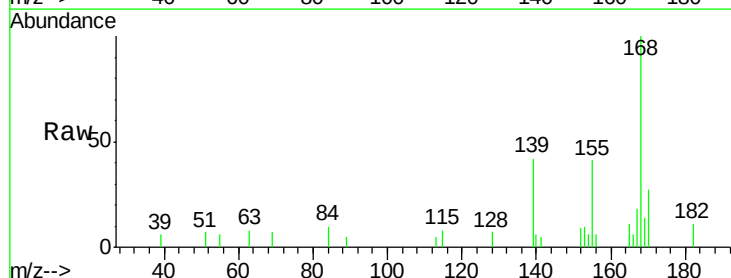
Tgt Ion:139 Resp: 2361

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

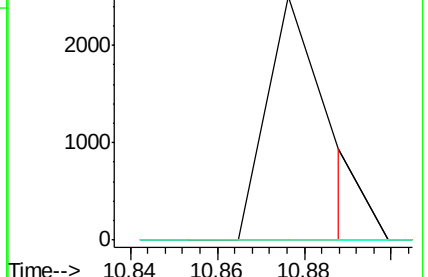
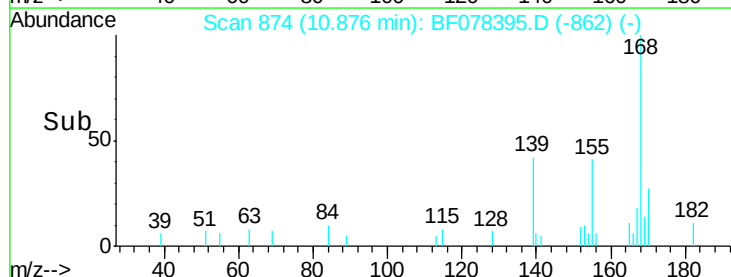
65 0.0 49.9 89.9#

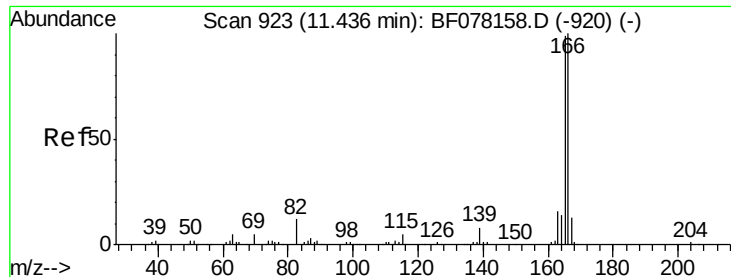


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

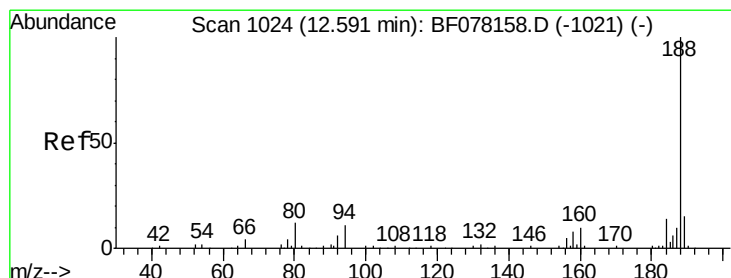
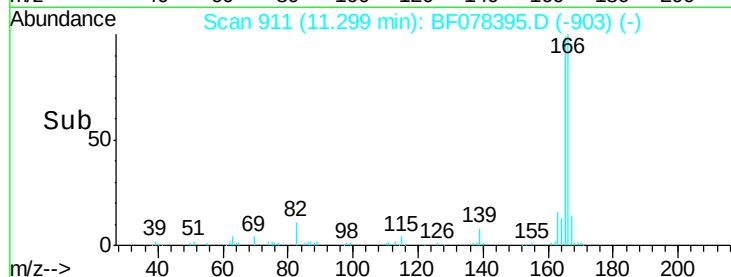
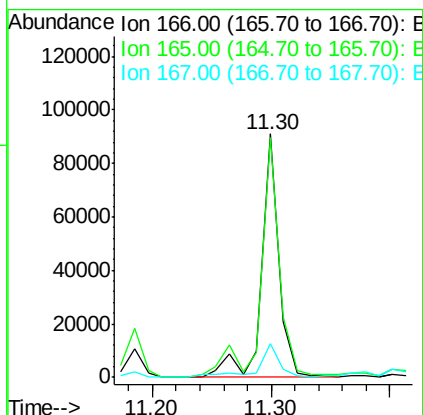
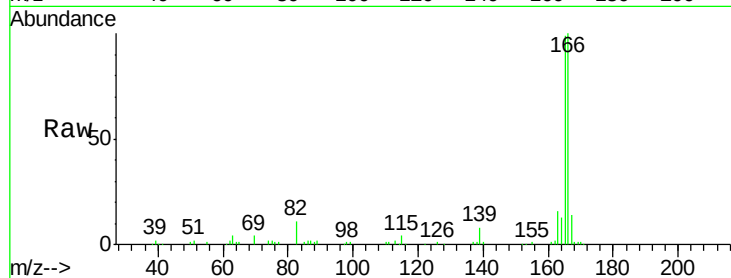




#57
 Fluorene
 Concen: 17.29 ng
 RT: 11.30 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF078395.D
 Acq: 10 Apr 2015 10:40

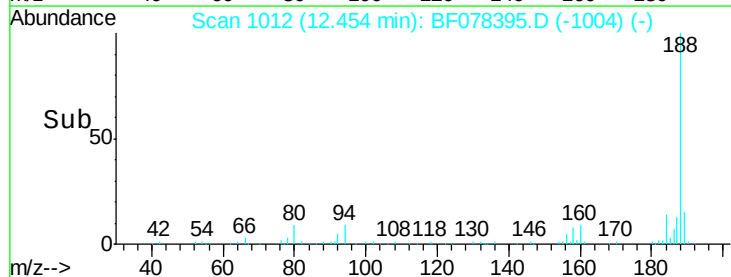
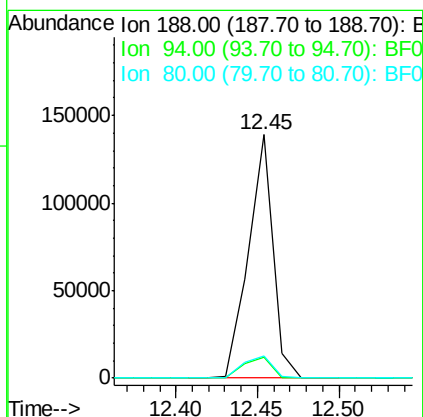
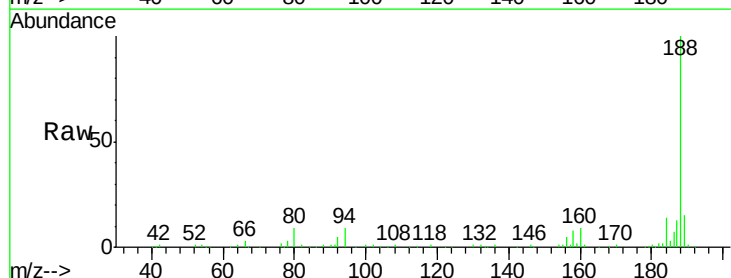
Instrument :
 BNA_F
 ClientSampleId :

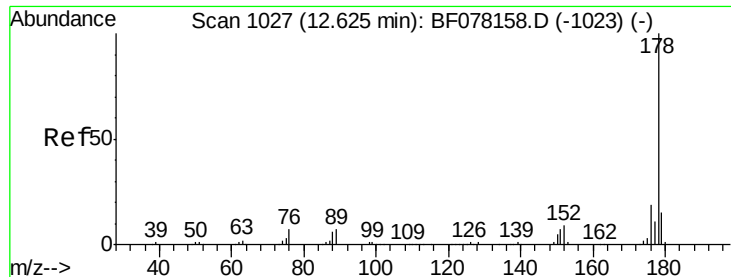
Tot Ion:166 Resp: 94445
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.9 118.3
 167 13.6 10.7 16.1



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.45 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF078395.D
 Acq: 10 Apr 2015 10:40

Tgt Ion:188 Resp: 144385
 Ion Ratio Lower Upper
 188 100
 94 8.6 9.0 13.4#
 80 9.0 9.5 14.3#

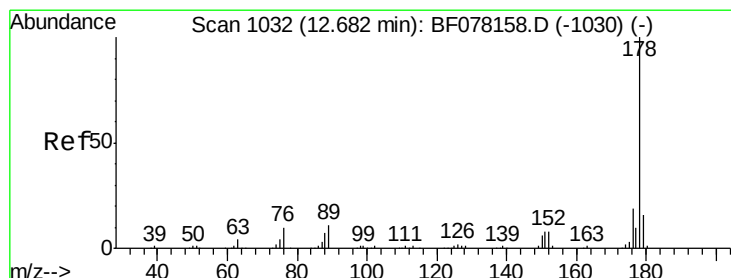
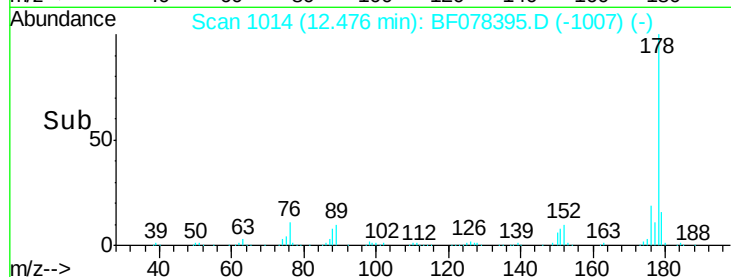
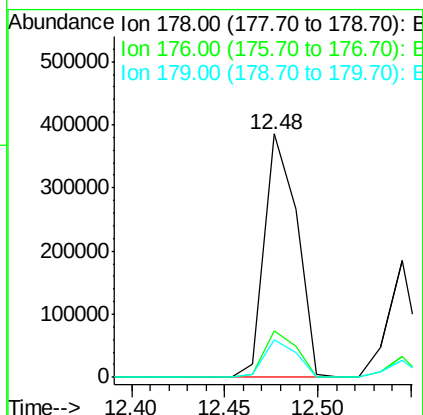
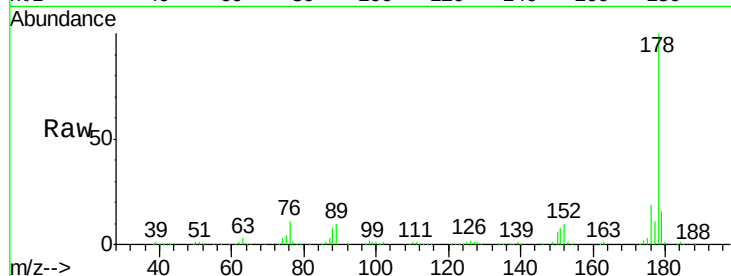




#70
Phenanthrene
Concen: 55.75 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

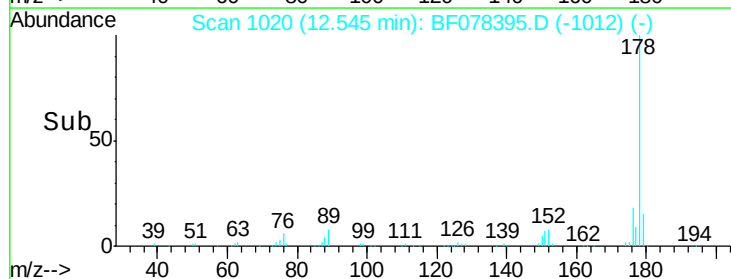
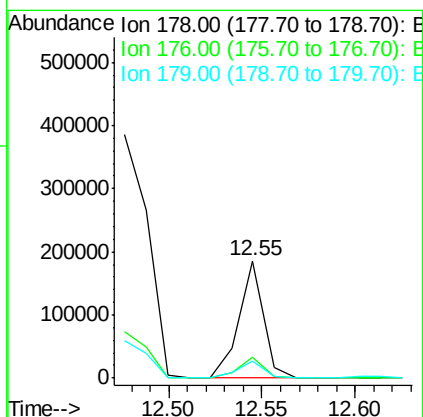
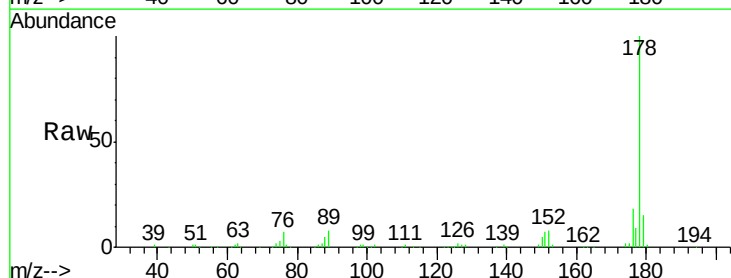
Instrument :
BNA_F
ClientSampleId :

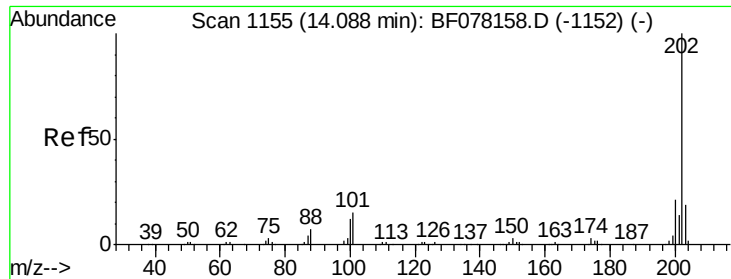
Tot Ion:178 Resp: 465605
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.7 12.2 18.2



#71
Anthracene
Concen: 20.67 ng
RT: 12.55 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:178 Resp: 170117
Ion Ratio Lower Upper
178 100
176 17.7 14.8 22.2
179 15.0 12.4 18.6

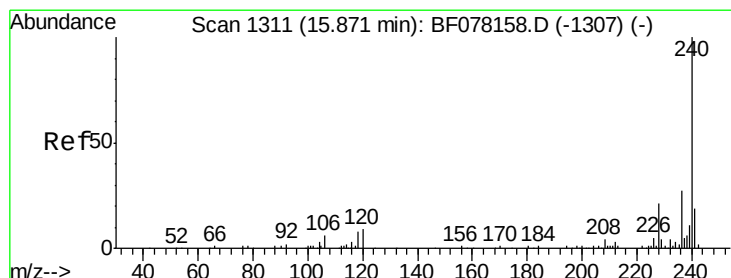
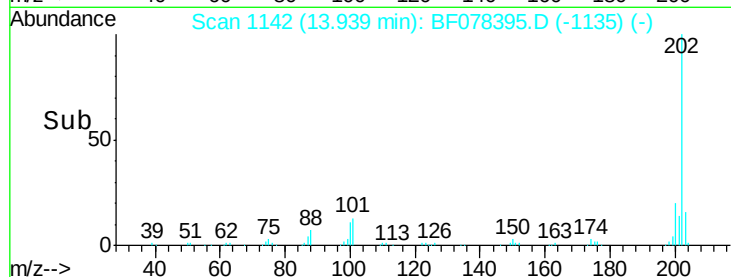
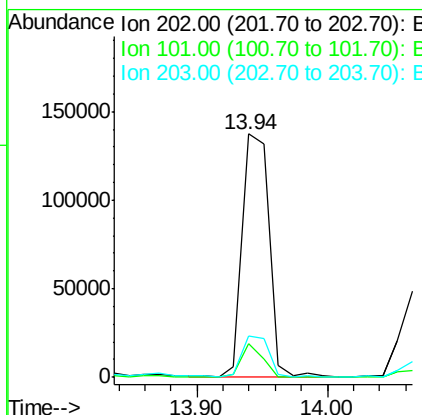
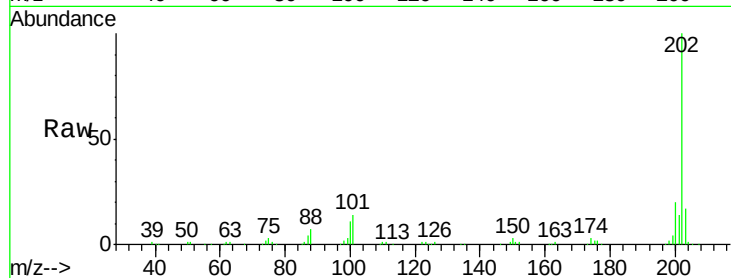




#74
Fluoranthene
Concen: 22.12 ng
RT: 13.94 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

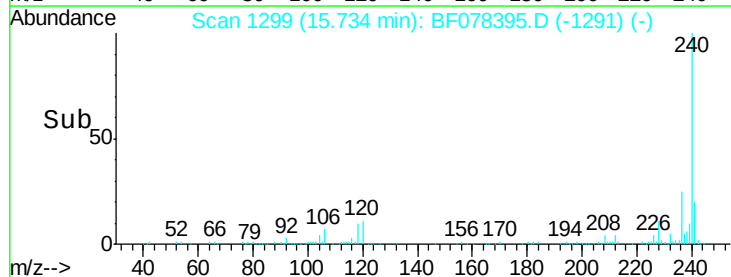
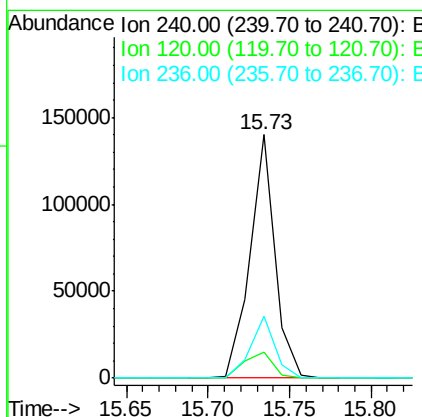
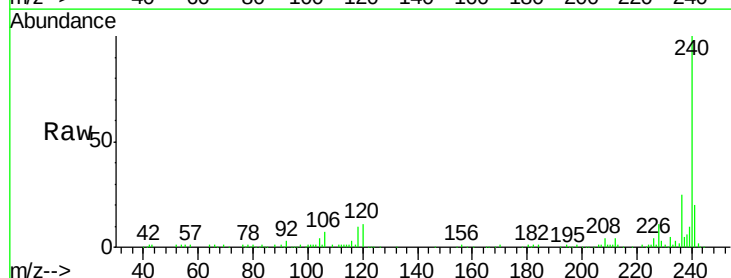
Instrument :
BNA_F
ClientSampleId :

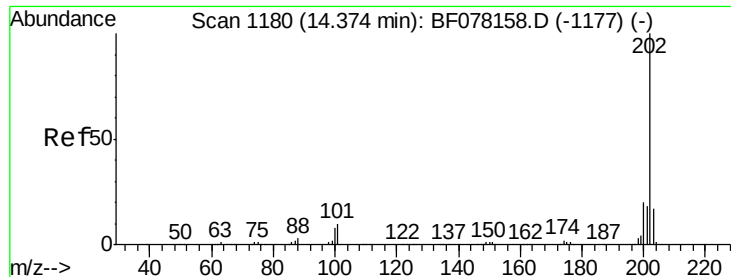
Tot Ion:202 Resp: 194843
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.2
203 17.2 0.0 38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:240 Resp: 149068
Ion Ratio Lower Upper
240 100
120 10.7 7.1 10.7#
236 25.1 21.4 32.2





#77

Pvrene

Concen: 29.68 ng

RT: 14.23 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

Instrument :

BNA_F

ClientSampleId :

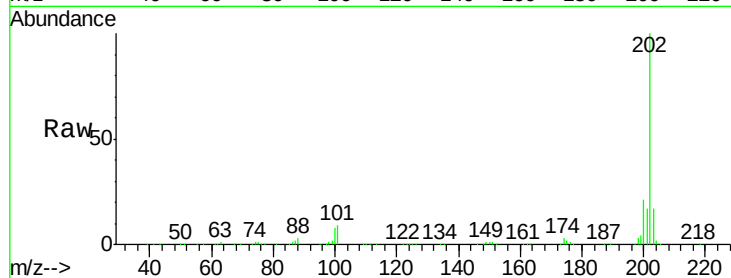
Tot Ion:202 Resp: 277776

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

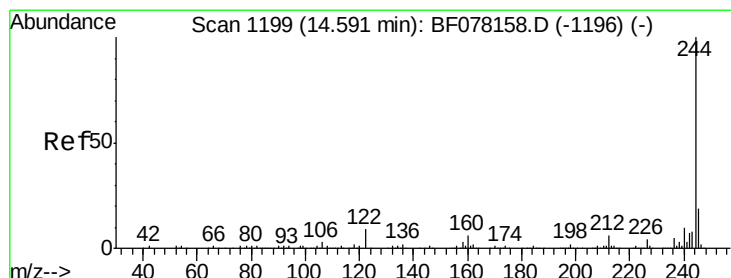
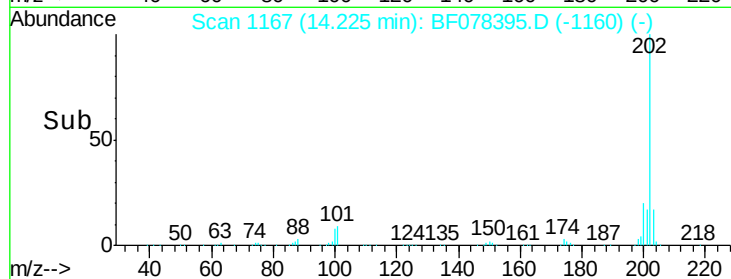
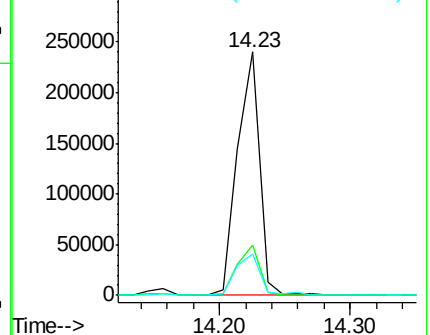
203 17.0 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 0.76 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

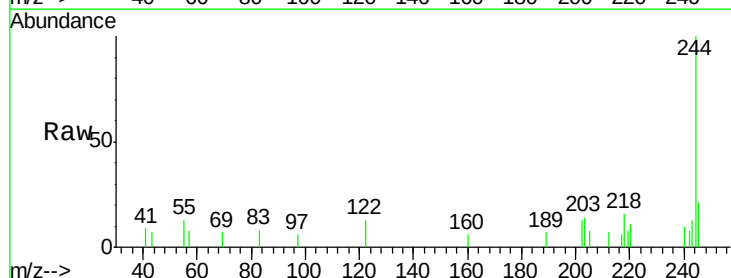
Tgt Ion:244 Resp: 4985

Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

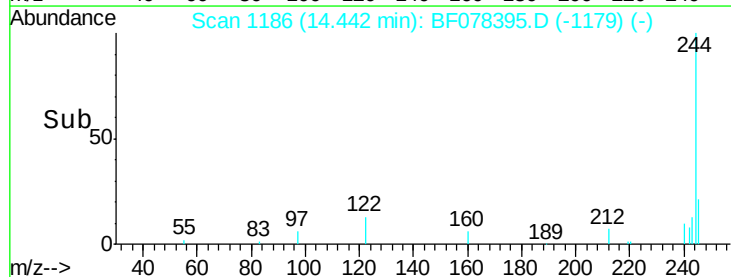
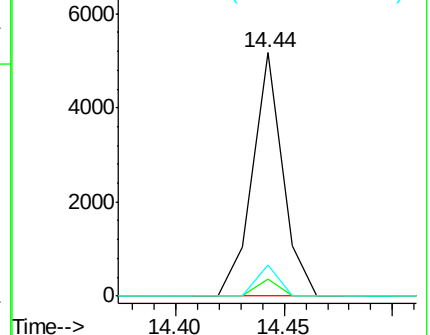
122 12.6 7.1 10.7#

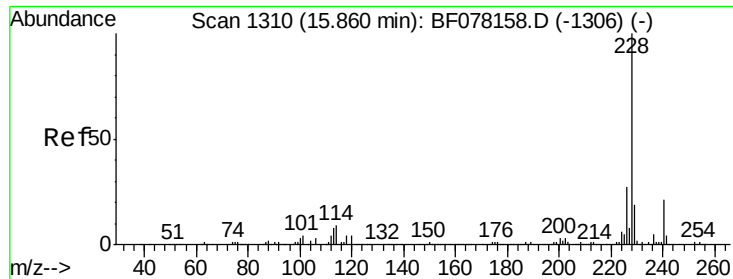


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.51 ng

RT: 15.77 min Scan# 1302

Delta R.T. 0.03 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

Instrument :

BNA_F

ClientSampled :

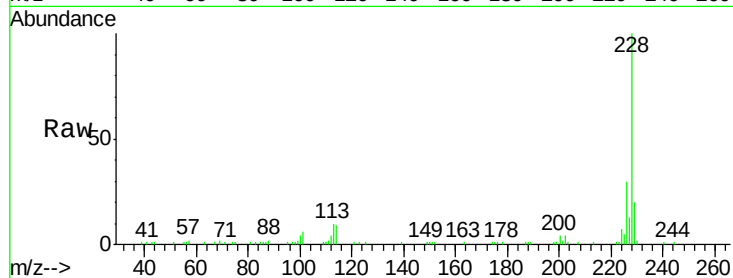
Tot Ion:228 Resp: 48846

Ion Ratio Lower Upper

228 100

226 30.4 21.3 31.9

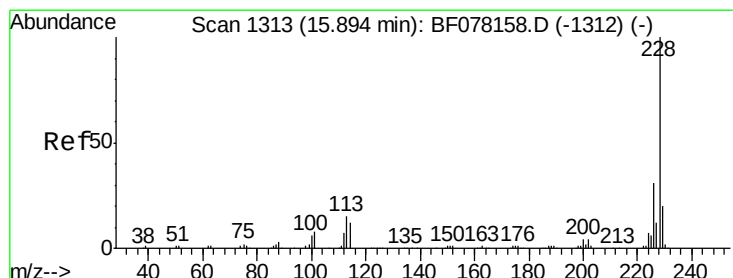
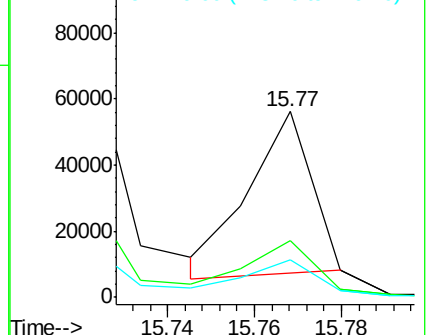
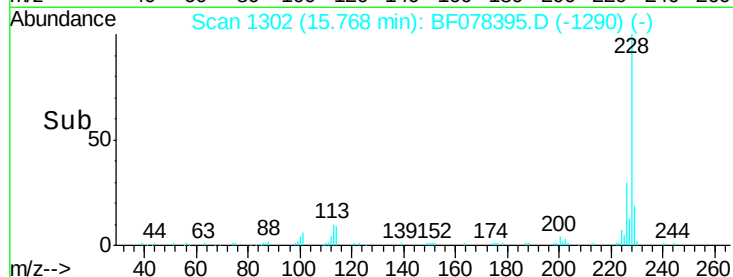
229 19.9 15.4 23.2



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: 7.55 ng

RT: 15.77 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF078395.D

Acq: 10 Apr 2015 10:40

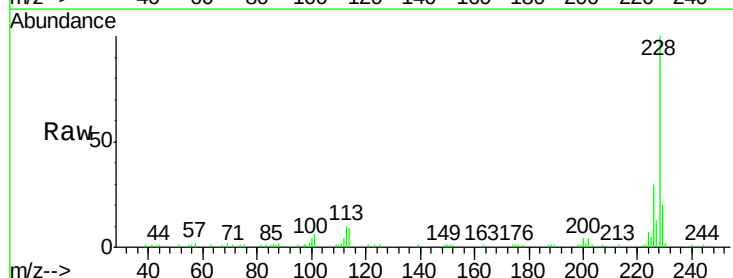
Tgt Ion:228 Resp: 62941

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.4

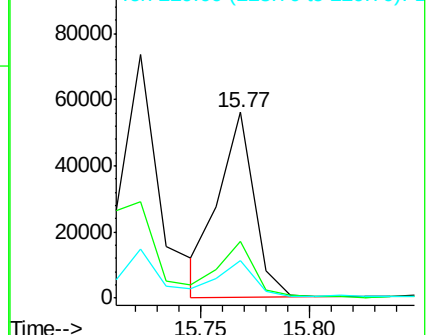
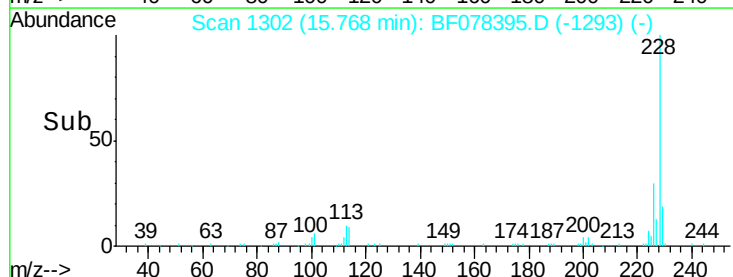
229 19.9 15.8 23.8

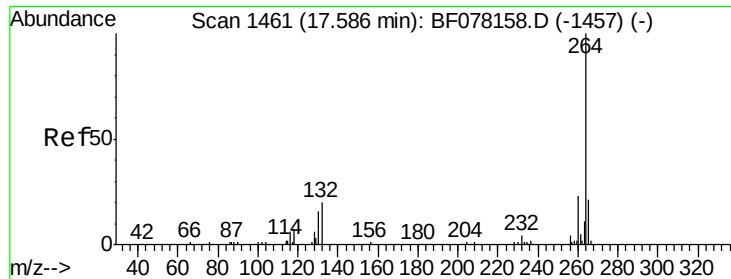


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

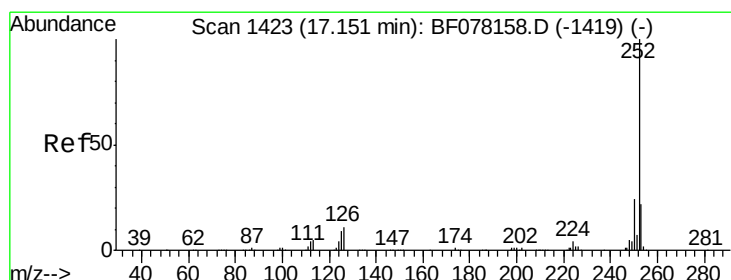
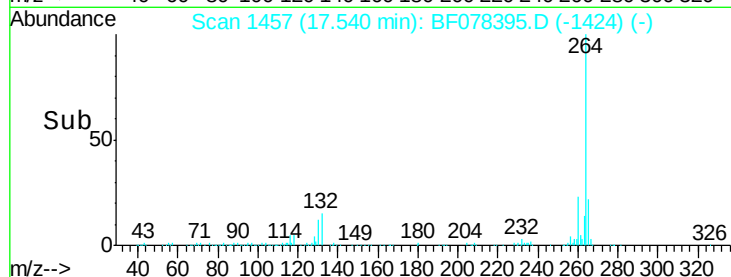
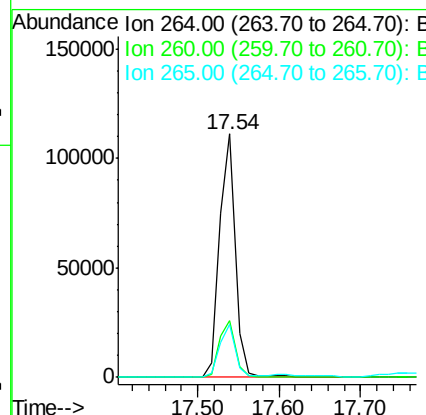
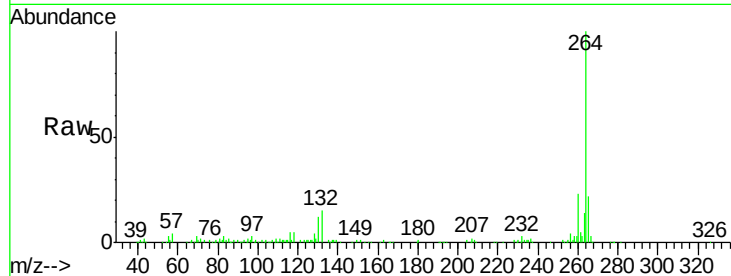




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.54 min Scan# 1457
Delta R.T. 0.08 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

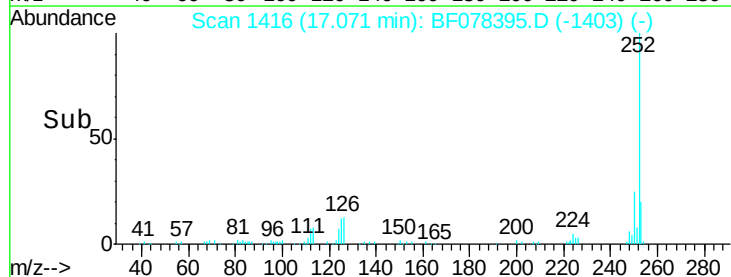
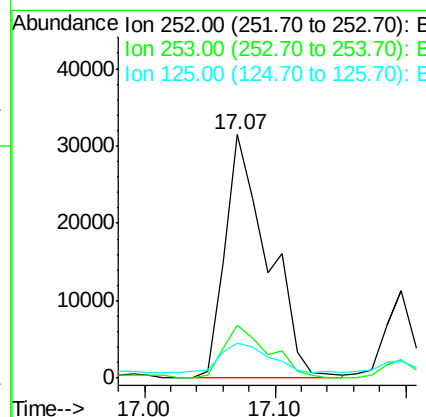
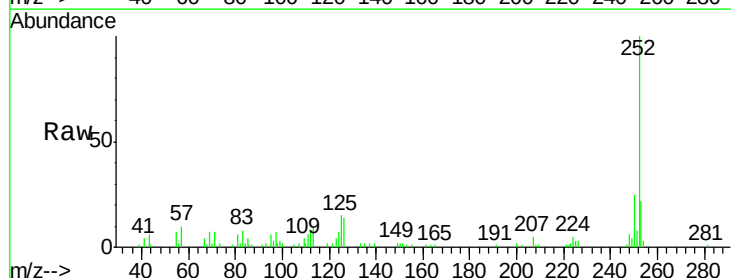
Instrument :
BNA_F
ClientSampled :

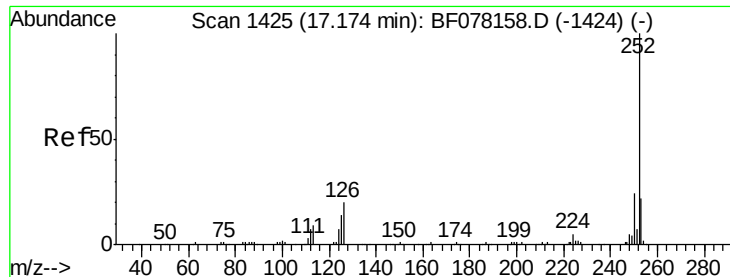
Tot Ion:264 Resp: 150620
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 21.6 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 7.76 ng
RT: 17.07 min Scan# 1416
Delta R.T. 0.05 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:252 Resp: 72246
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 14.6 7.0 10.4#

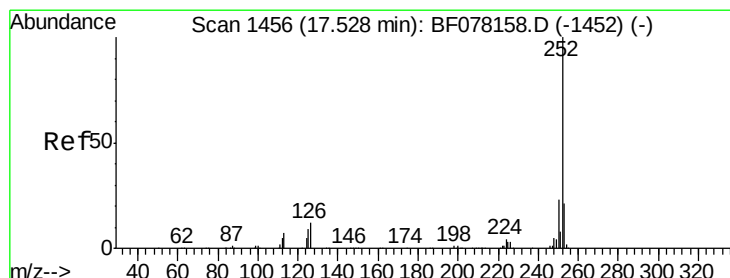
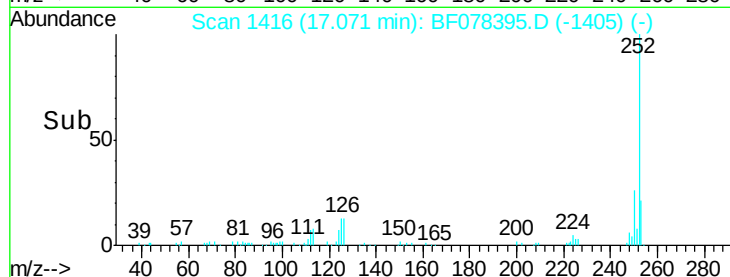
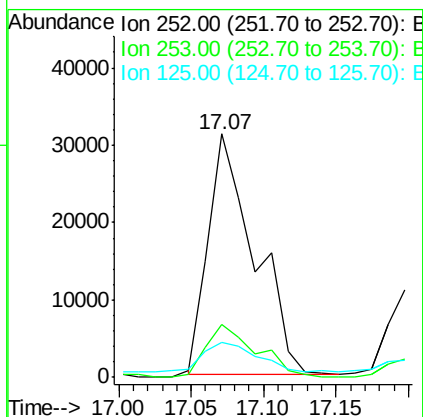
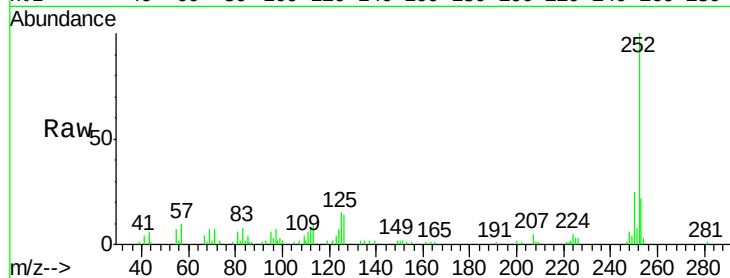




#88
Benzo(k)fluoranthene
Concen: 8.36 ng
RT: 17.07 min Scan# 1416
Delta R.T. 0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

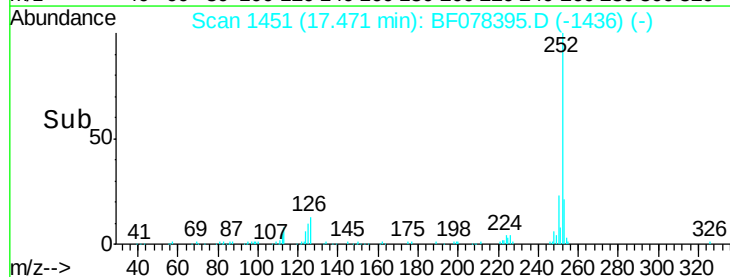
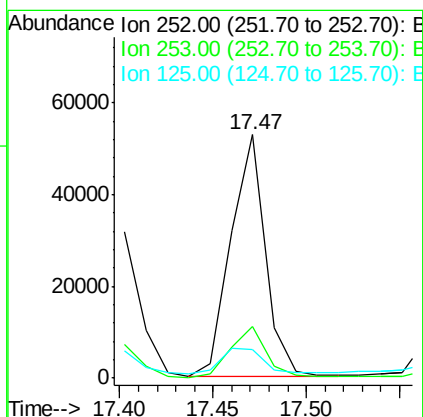
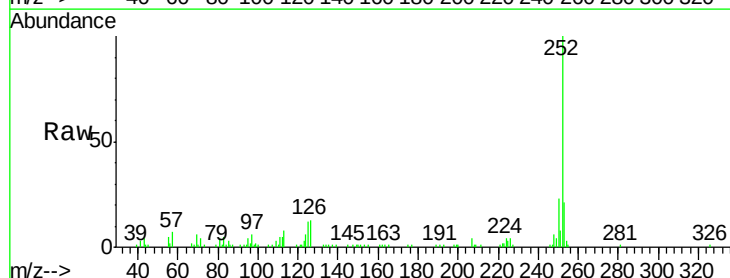
Instrument :
BNA_F
ClientSampleId :

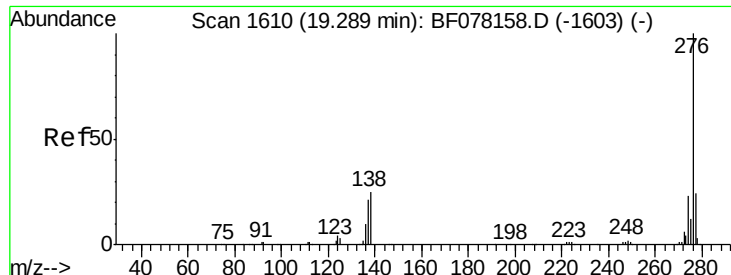
Tot Ion:252 Resp: 69124
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 14.6 11.6 17.4



#89
Benzo(a)pyrene
Concen: 8.33 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.07 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:252 Resp: 67709
Ion Ratio Lower Upper
252 100
253 21.2 16.8 25.2
125 11.5 7.4 11.0#

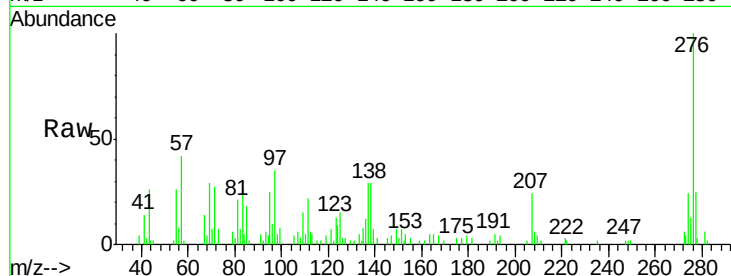




#91
 Benzo(a,h,i)perylene
 Concen: 3.65 ng
 RT: 19.20 min Scan# 1602
 Delta R.T. 0.03 min
 Lab File: BF078395.D
 Acq: 10 Apr 2015 10:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	28.8	19.9	29.9



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

