

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041315\
 Data File : BF078500.D
 Acq On : 14 Apr 2015 12:17
 Operator : TP/IZ
 Sample : G1850-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Quant Time: Apr 14 12:15:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 11:28:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	32373	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	133625	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	65936	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	132794	20.00	ng	0.00
75) Chrysene-d12	15.66	240	139111	20.00	ng	0.01
86) Perylene-d12	17.41	264	139296	20.00	ng	0.11

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	14.38	244	2300	0.37	ng	0.00

Target Compounds

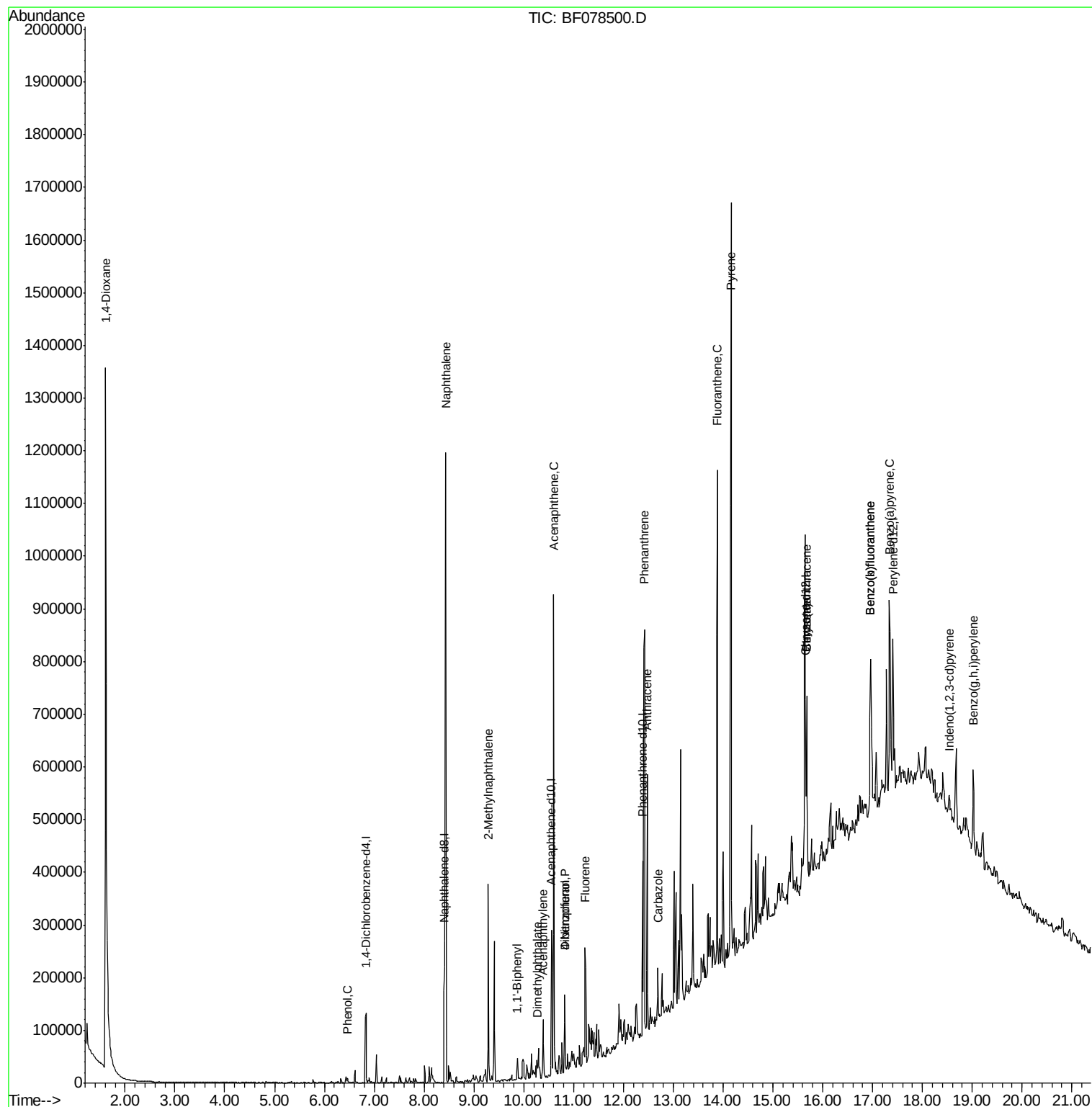
						Qvalue
2) 1,4-Dioxane	1.61	88	58059	65.39	ng	# 27
10) Phenol	6.47	94	6487	2.20	ng	94
31) Naphthalene	8.43	128	531307	76.39	ng	99
37) 2-Methylnaphthalene	9.29	142	101139	21.42	ng	99
45) 1,1'-Biphenyl	9.87	154	15042	2.79	ng	100
48) Acenaphthylene	10.39	152	40183	5.86	ng	98
49) Dimethylphthalate	10.27	163	19887	4.01	ng	96
51) Acenaphthene	10.60	154	208599	54.07	ng	99
54) Dibenzofuran	10.82	168	65909	11.19	ng	93
55) 4-Nitrophenol	10.82	139	24509	30.49	ng	# 23
57) Fluorene	11.23	166	97835	20.48	ng	99
70) Phenanthrene	12.42	178	457873	59.61	ng	99
71) Anthracene	12.48	178	194539	25.70	ng	99
72) Carbazole	12.70	167	45313	6.39	ng	98
74) Fluoranthene	13.89	202	509462	62.89	ng	92
77) Pyrene	14.16	202	728299	83.40	ng	97
80) Benzo(a)anthracene	15.68	228	134912	16.30	ng	92
82) Chrysene	15.68	228	142832	18.37	ng	97
85) Indeno(1,2,3-cd)pyrene	18.54	276	20001	2.27	ng	# 71
87) Benzo(b)fluoranthene	16.96	252	242496	28.17	ng	# 90
88) Benzo(k)fluoranthene	16.96	252	184868	24.16	ng	96
89) Benzo(a)pyrene	17.34	252	207989	27.68	ng	# 90
91) Benzo(g,h,i)perylene	19.02	276	89581	11.88	ng	97

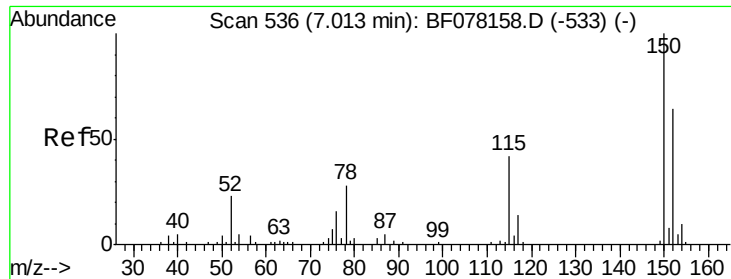
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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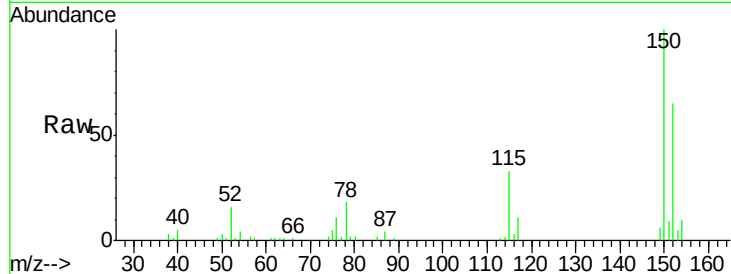


#1

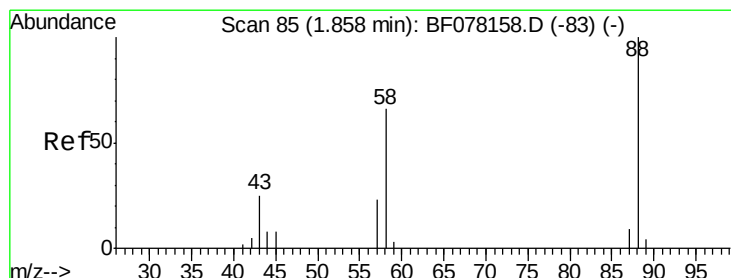
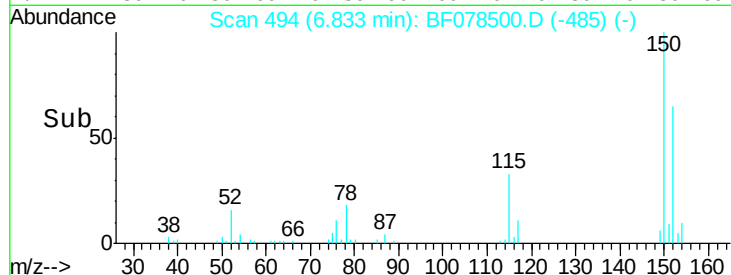
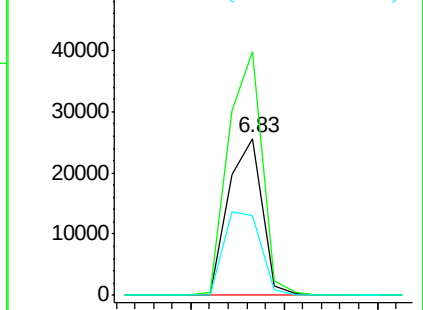
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 494
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Instrument :
BNA_F
ClientSampled :
FD-1-20150409

Tgt Ion:152 Resp: 32373
Ion Ratio Lower Upper
152 100
150 155.0 125.9 188.9
115 51.1 52.7 79.1#



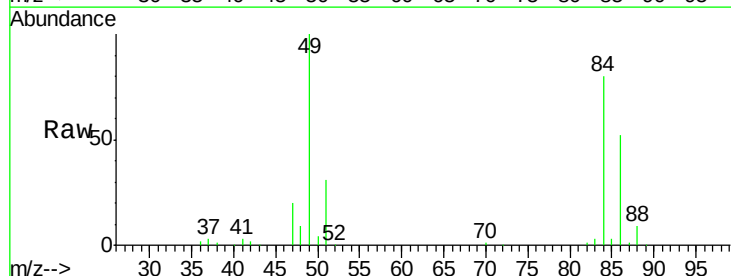
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



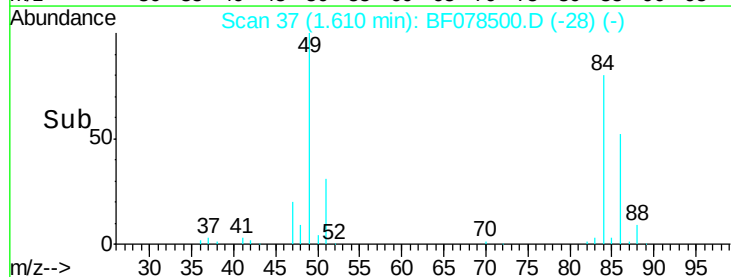
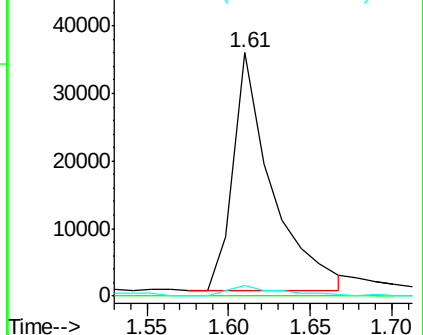
#2

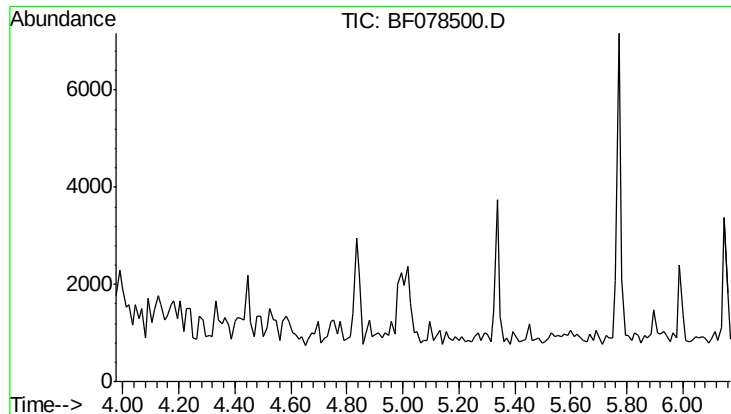
1,4-Dioxane
Concen: 65.39 ng
RT: 1.61 min Scan# 37
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion: 88 Resp: 58059
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 6.1 21.4 32.2#



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

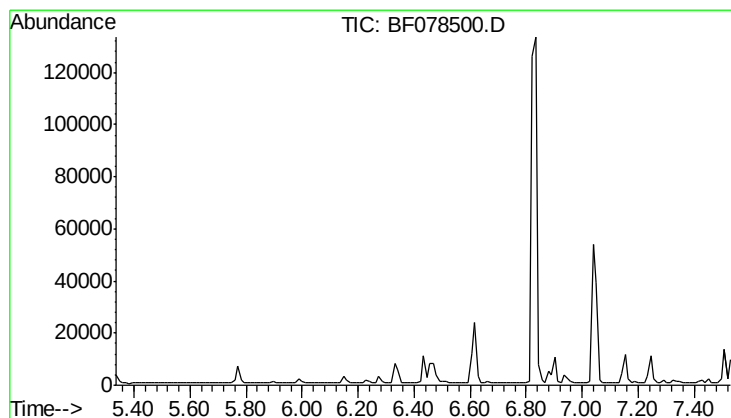
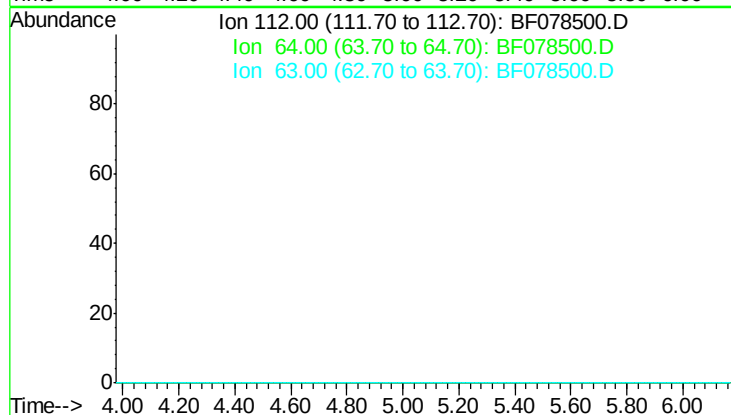




#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.07 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

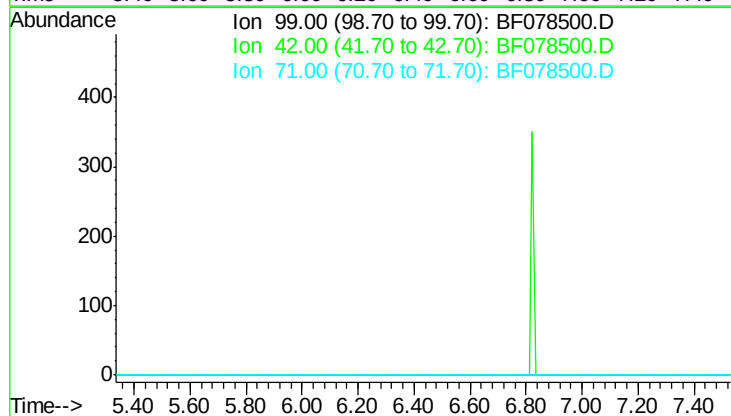
Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

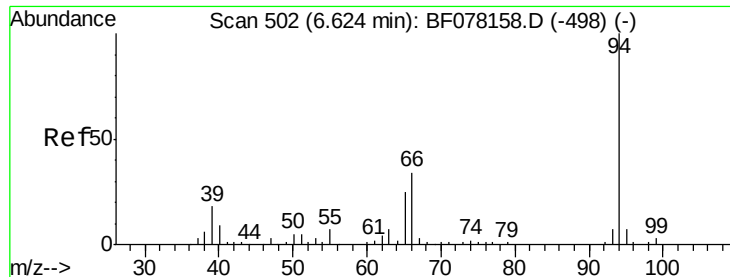
Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 49.9
 63 25.3



#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.43 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 18.5
 71 33.2





#10

Phenol

Concen: 2.20 ng

RT: 6.47 min Scan# 462

Delta R.T. 0.02 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

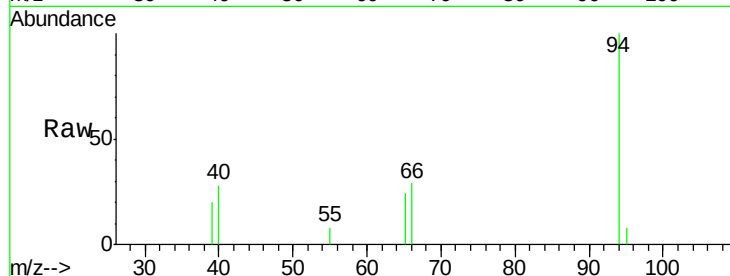
Tgt Ion: 94 Resp: 6487

Ion Ratio Lower Upper

94 100

65 24.1 4.9 44.9

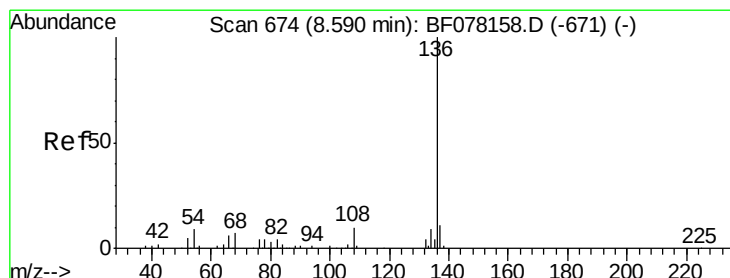
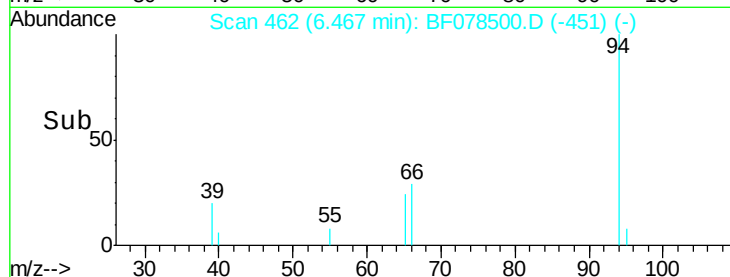
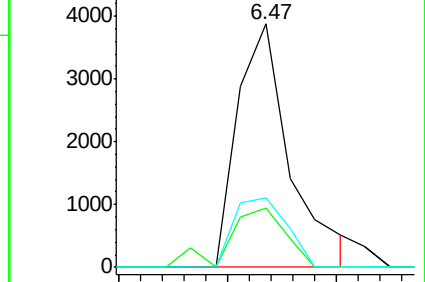
66 28.5 13.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.41 min Scan# 632

Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Tgt Ion: 136 Resp: 133625

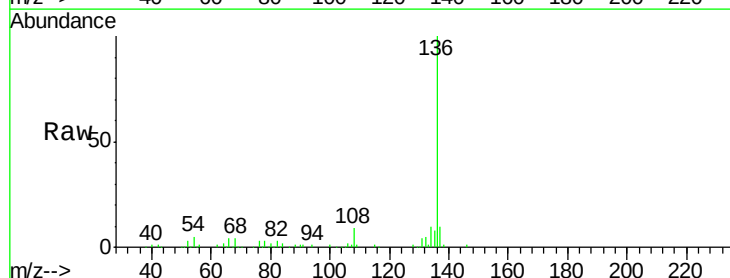
Ion Ratio Lower Upper

136 100

137 10.1 9.0 13.4

54 5.1 7.0 10.6#

68 4.5 5.4 8.2#

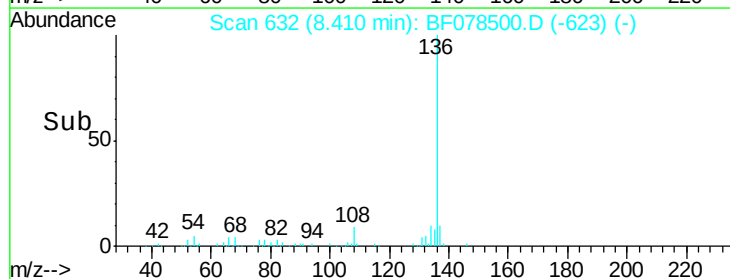
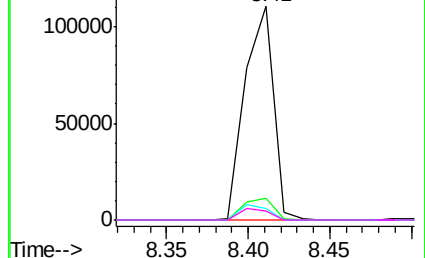


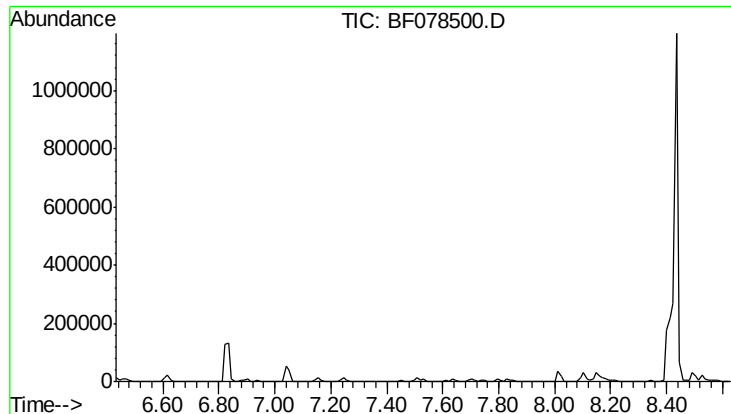
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

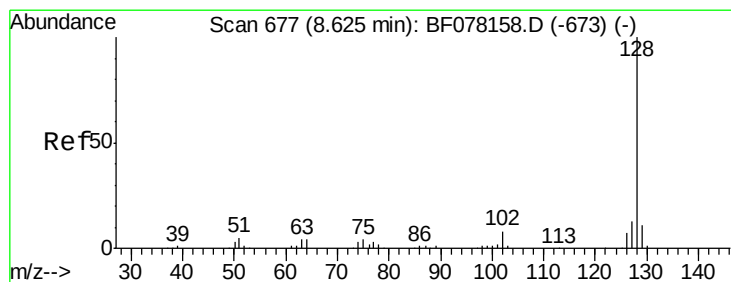
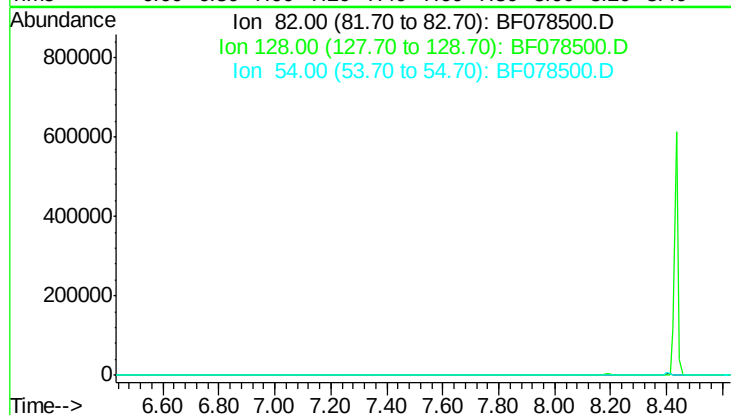




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.53 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

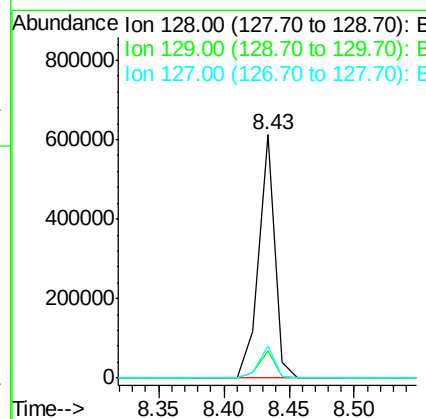
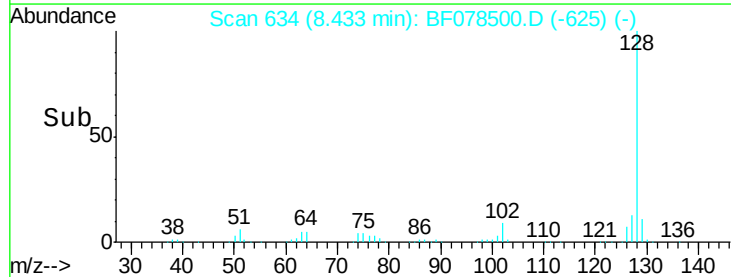
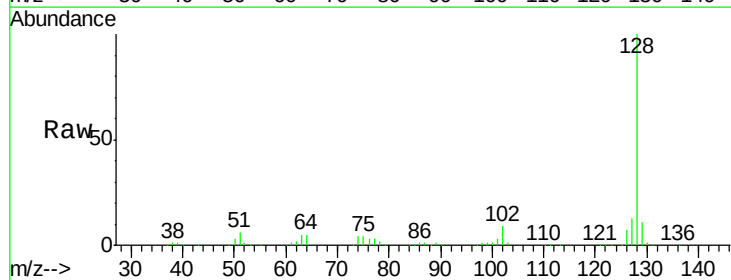
Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

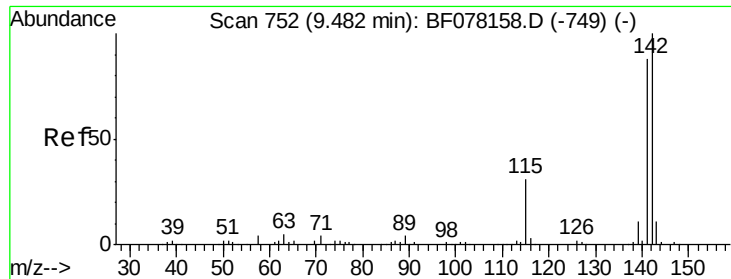
Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 39.8
 54 51.9



#31
 Naphthalene
 Concen: 76.39 ng
 RT: 8.43 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion: 128 Resp: 531307
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.6 12.8
 127 13.3 10.7 16.1

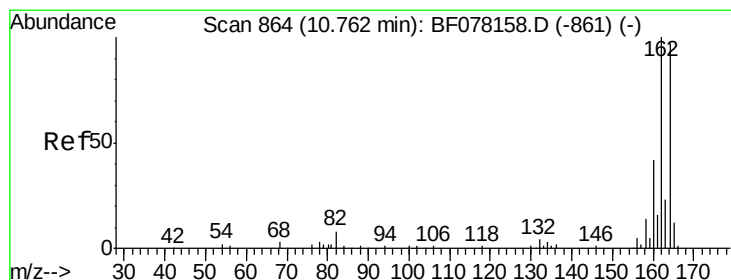
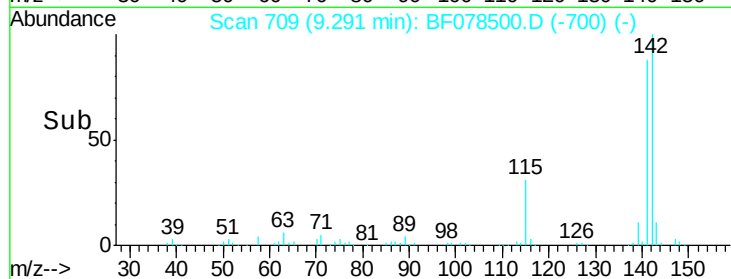
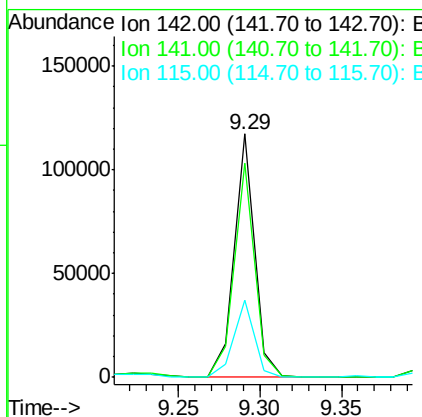
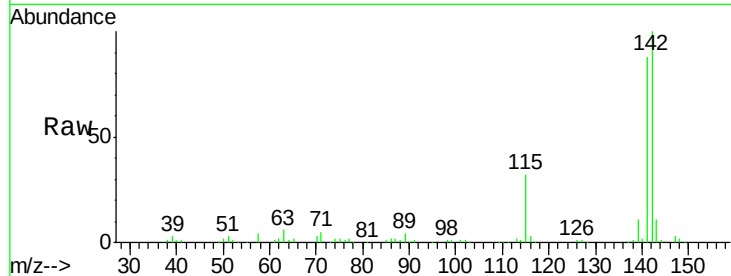




#37
 2-Methylnaphthalene
 Concen: 21.42 ng
 RT: 9.29 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

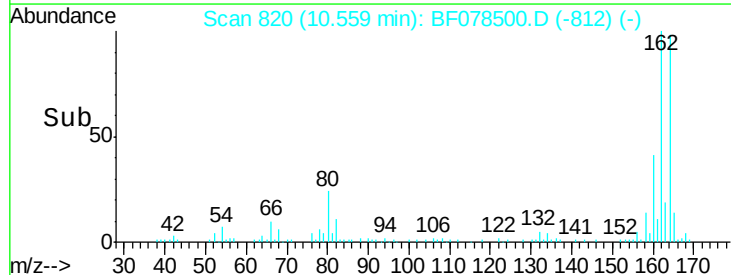
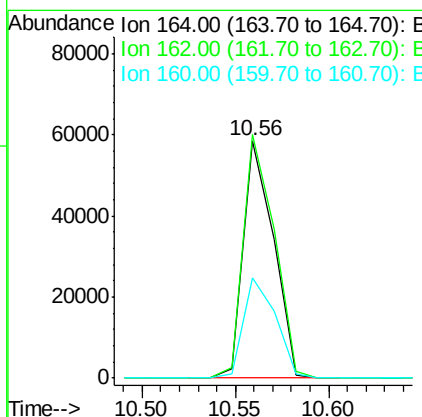
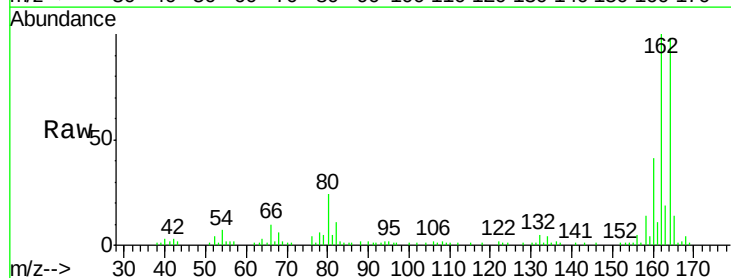
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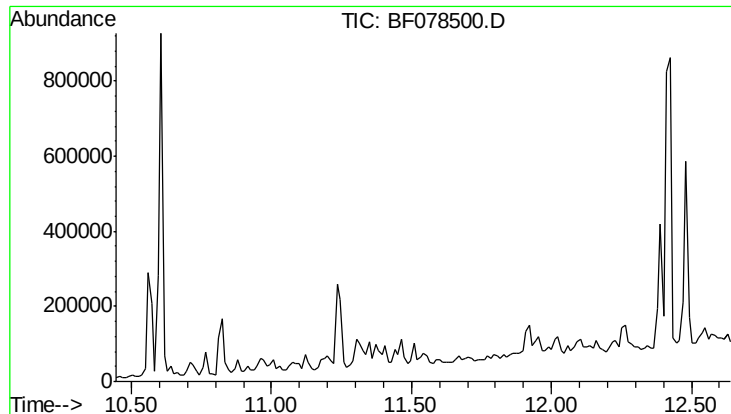
Tgt Ion:142 Resp: 101139
 Ion Ratio Lower Upper
 142 100
 141 88.2 70.3 105.5
 115 31.6 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.56 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion:164 Resp: 65936
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.2 123.2
 160 42.2 34.7 52.1

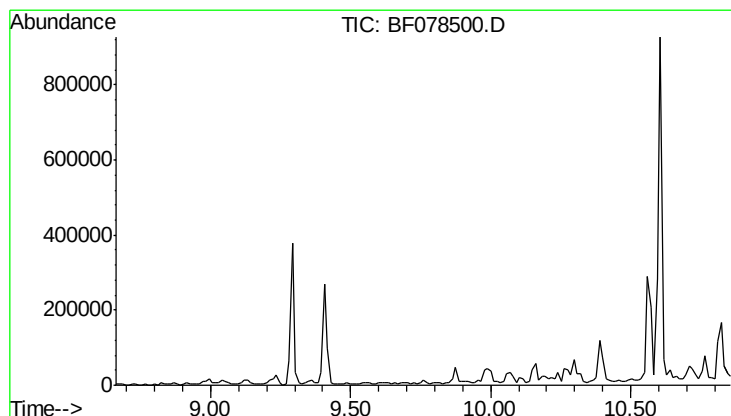
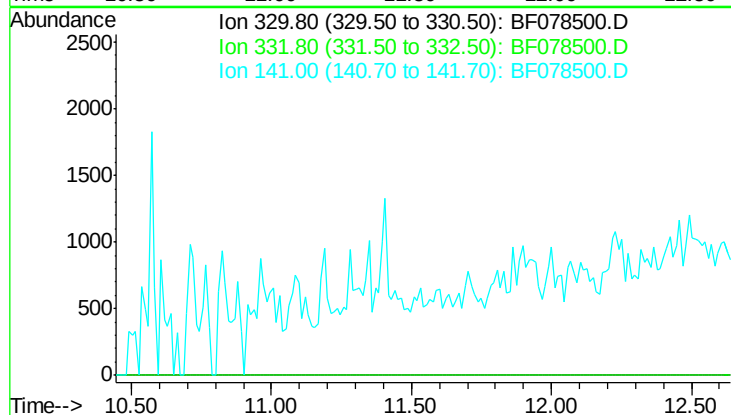




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.54 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

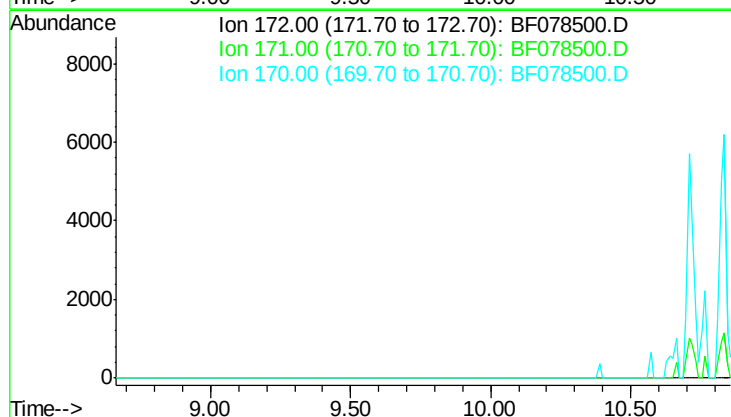
Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

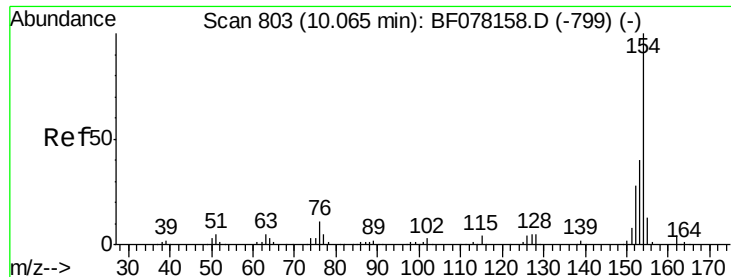
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 98.2
 141 39.0



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 9.76 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 35.7
 170 23.1

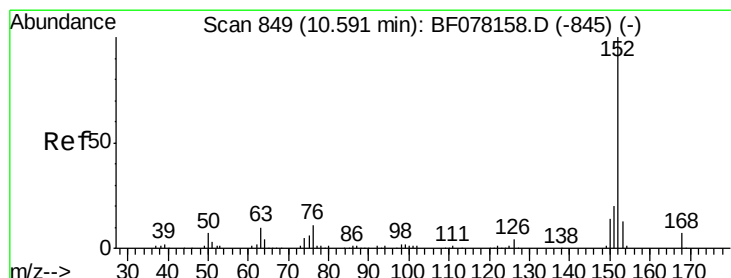
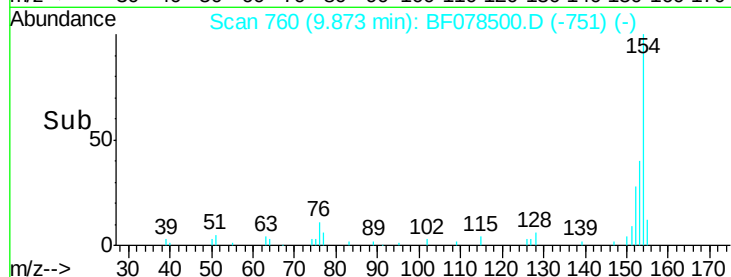
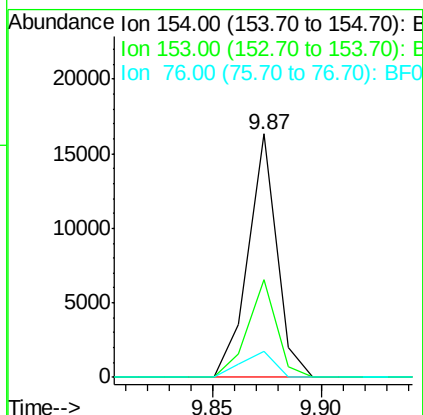
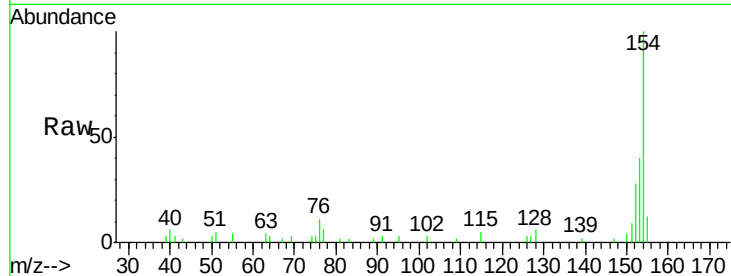




#45
1,1'-Biphenyl
Concen: 2.79 ng
RT: 9.87 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

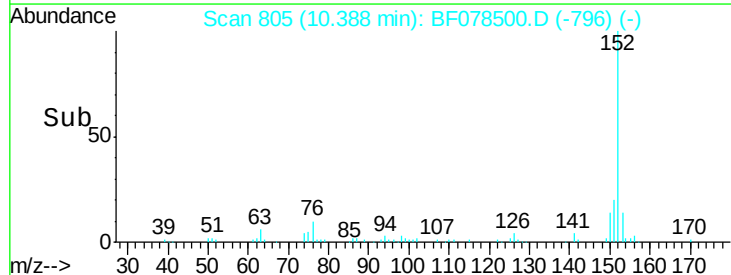
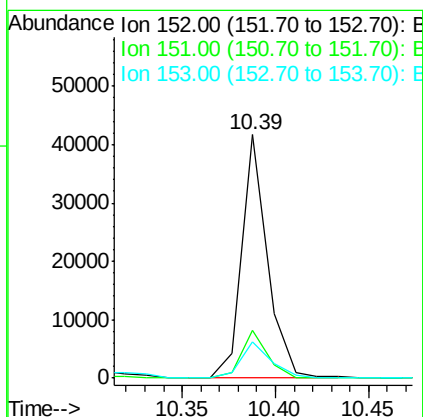
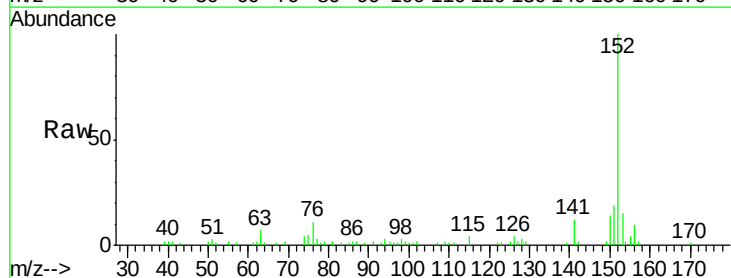
Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

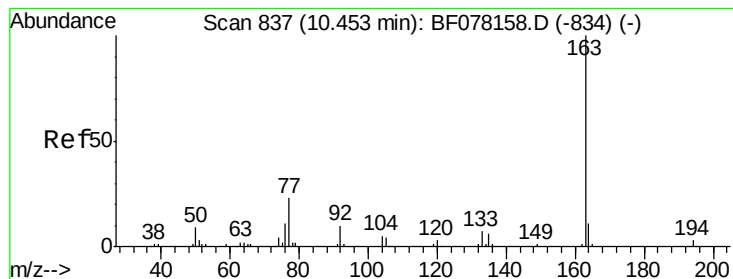
Tgt Ion:154 Resp: 15042
Ion Ratio Lower Upper
154 100
153 40.1 20.0 60.0
76 10.8 0.0 30.6



#48
Acenaphthylene
Concen: 5.86 ng
RT: 10.39 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion:152 Resp: 40183
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 14.9 10.2 15.2





#49

Dimethylphthalate

Concen: 4.01 ng

RT: 10.27 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

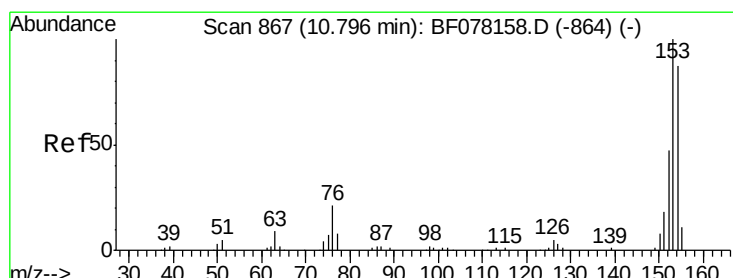
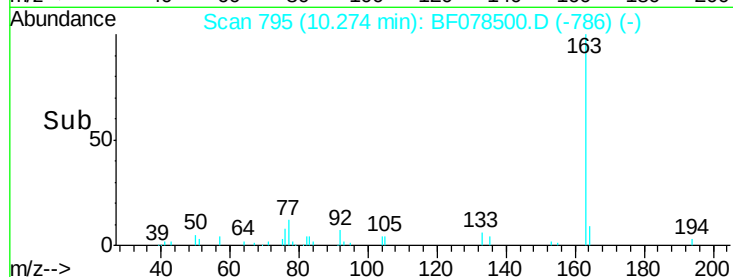
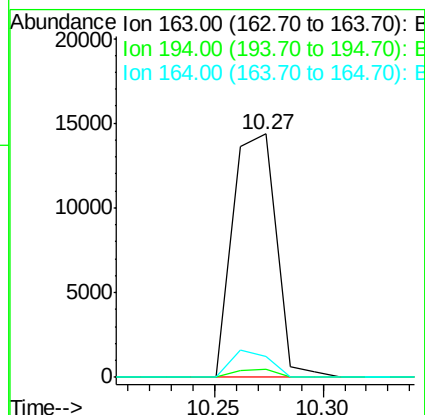
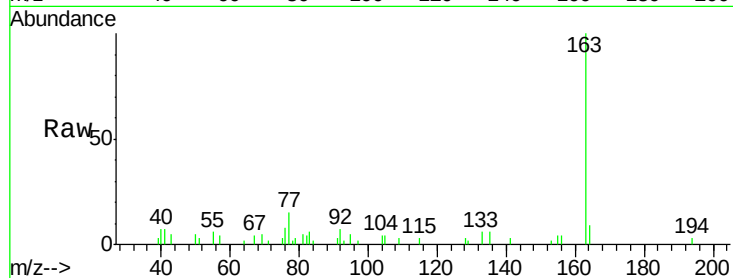
Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

Tgt Ion:163	Resp:	19887
Ion Ratio	Lower	Upper
163	100	
194	3.3	2.3 3.5
164	8.8	8.6 13.0



#51

Acenaphthene

Concen: 54.07 ng

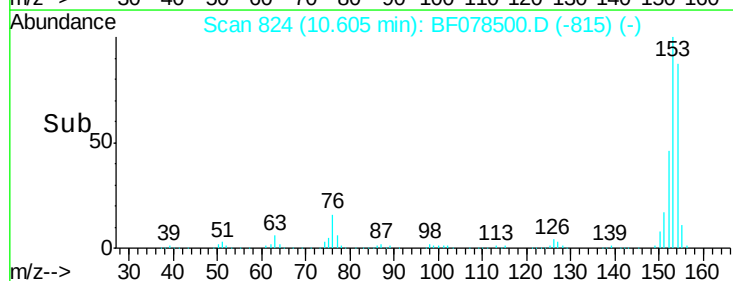
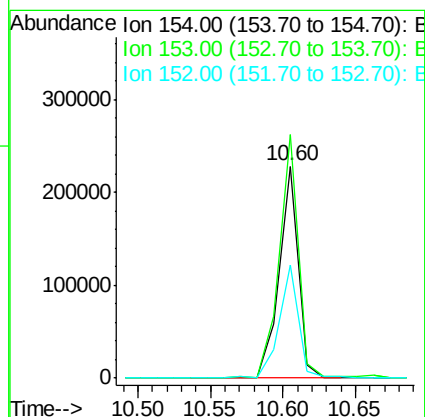
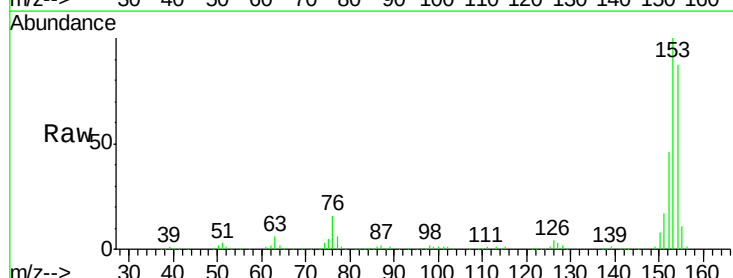
RT: 10.60 min Scan# 824

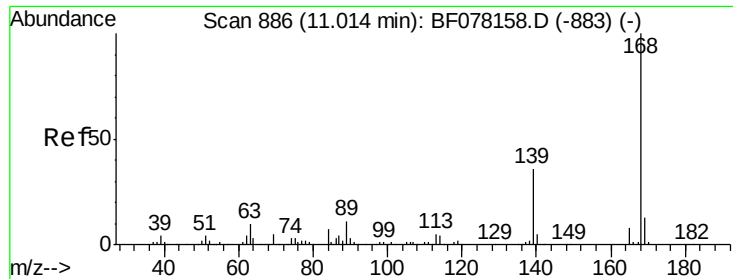
Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Tgt Ion:154	Resp:	208599
Ion Ratio	Lower	Upper
154	100	
153	114.8	91.4 137.2
152	53.4	43.0 64.6

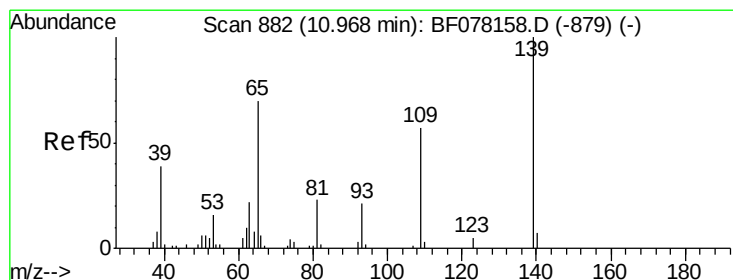
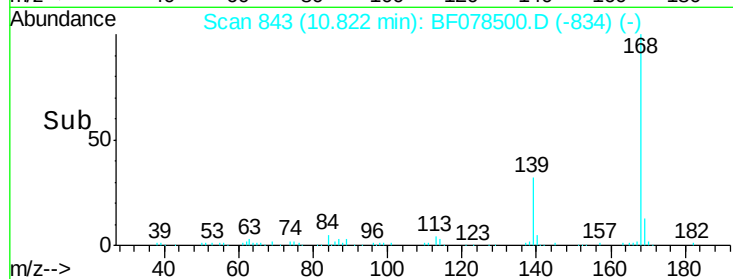
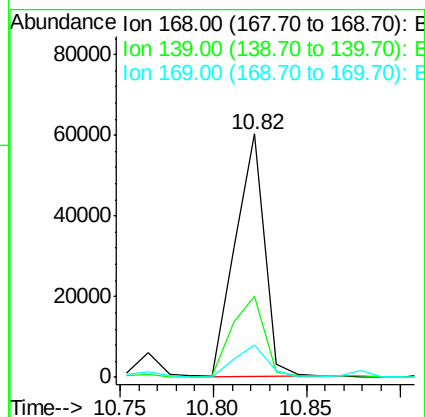
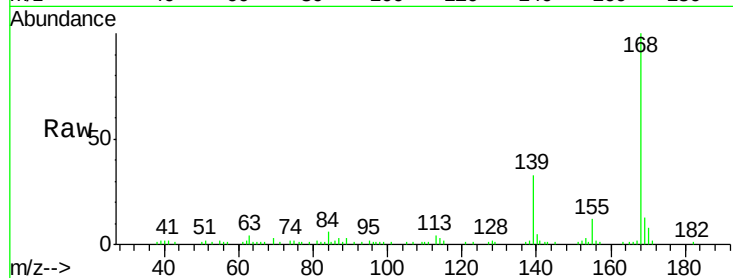




#54
Dibenzenofuran
Concen: 11.19 ng
RT: 10.82 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

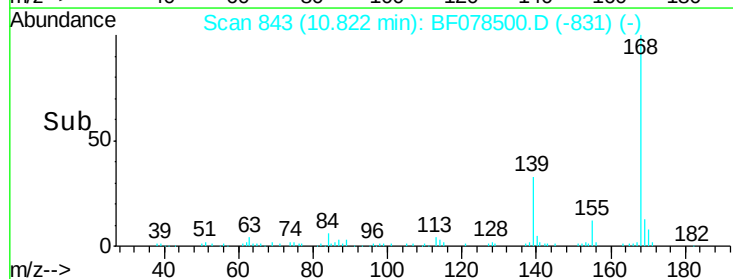
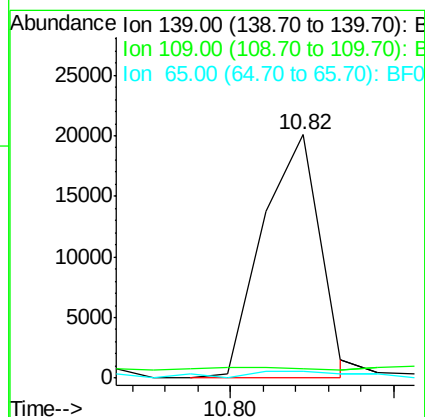
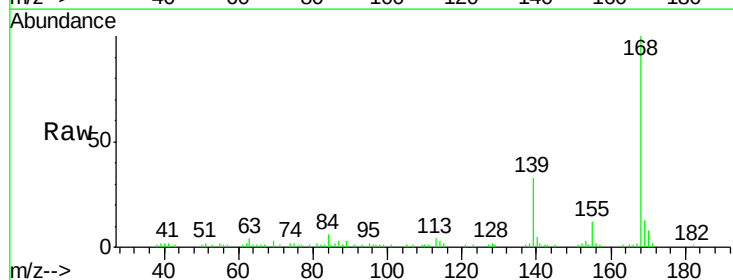
Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

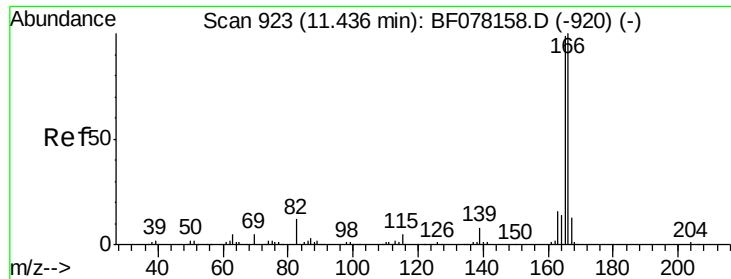
Tgt Ion:168 Resp: 65909
Ion Ratio Lower Upper
168 100
139 33.3 31.0 46.4
169 13.4 10.7 16.1



#55
4-Nitrophenol
Concen: 30.49 ng
RT: 10.82 min Scan# 843
Delta R.T. 0.03 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion:139 Resp: 24509
Ion Ratio Lower Upper
139 100
109 3.9 36.7 76.7#
65 2.8 49.9 89.9#

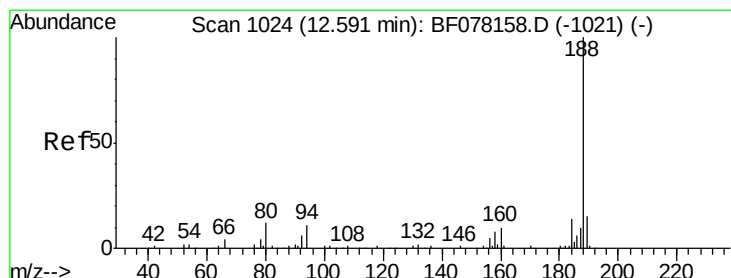
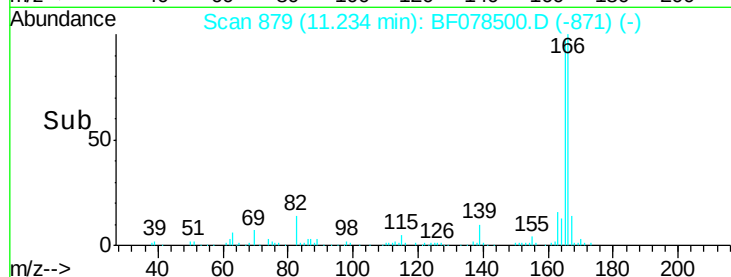
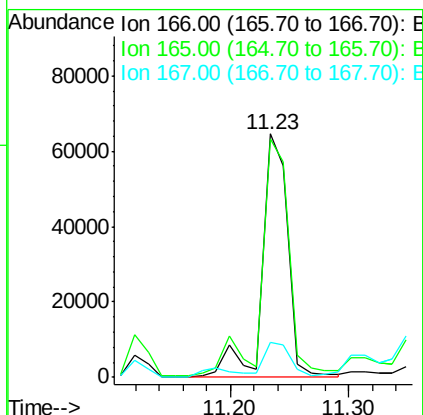
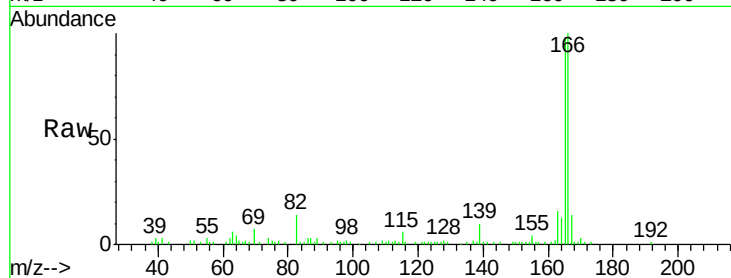




#57
 Fluorene
 Concen: 20.48 ng
 RT: 11.23 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

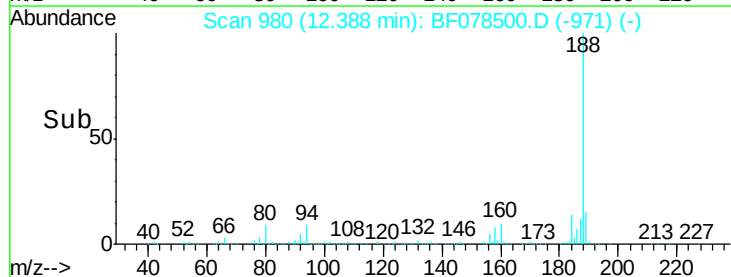
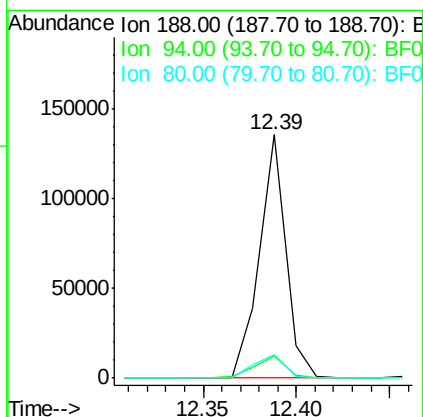
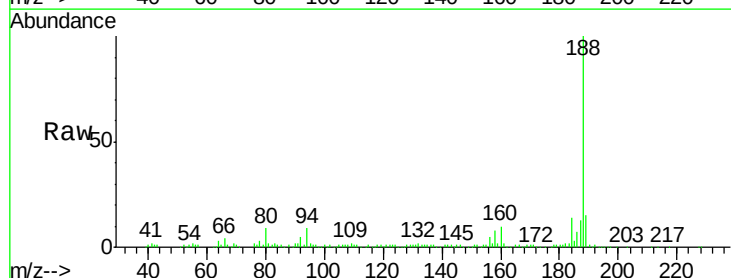
Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

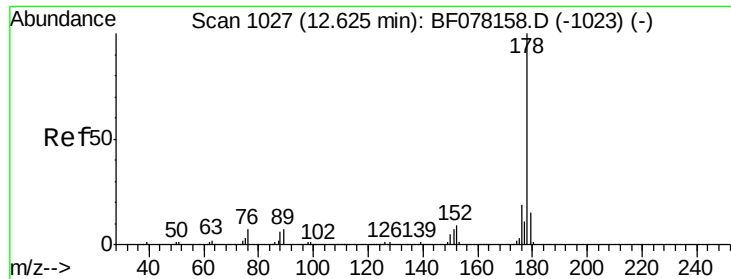
Tgt Ion:166 Resp: 97835
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.9 118.3
 167 14.2 10.7 16.1



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion:188 Resp: 132794
 Ion Ratio Lower Upper
 188 100
 94 9.0 9.0 13.4
 80 9.5 9.5 14.3#

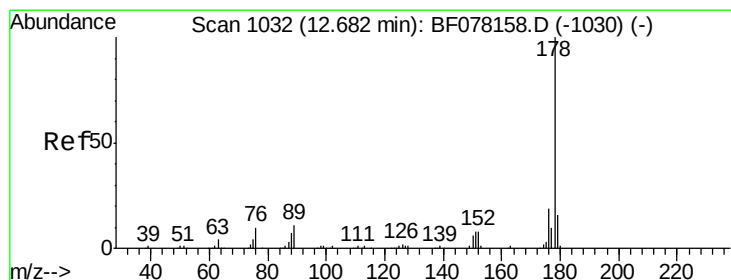
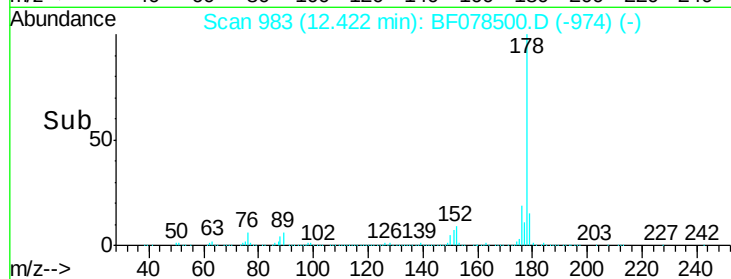
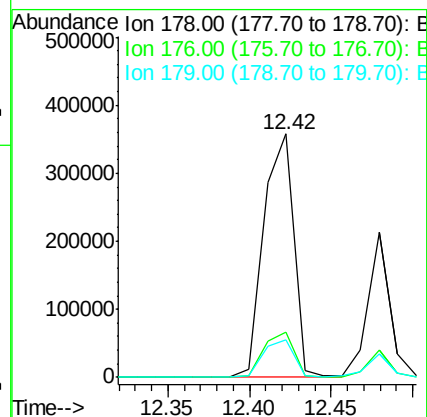
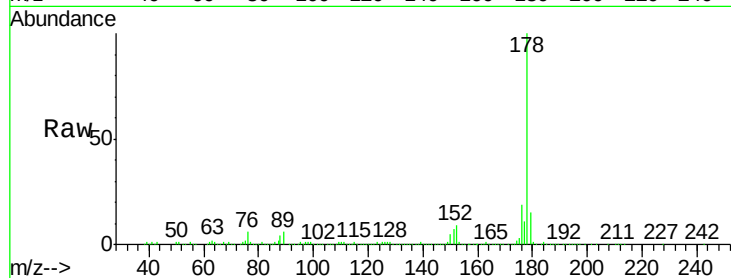




#70
Phenanthrene
Concen: 59.61 ng
RT: 12.42 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

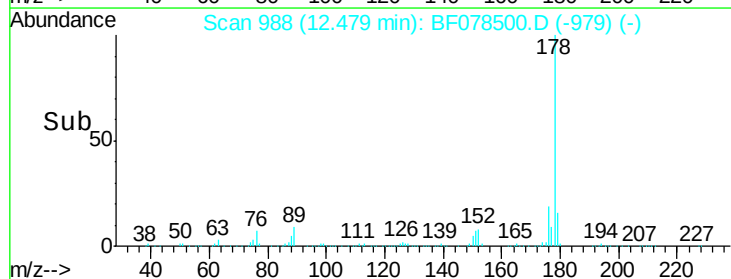
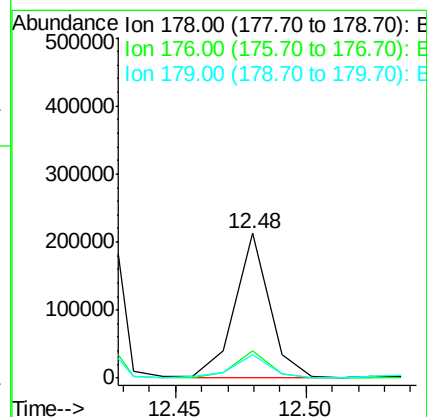
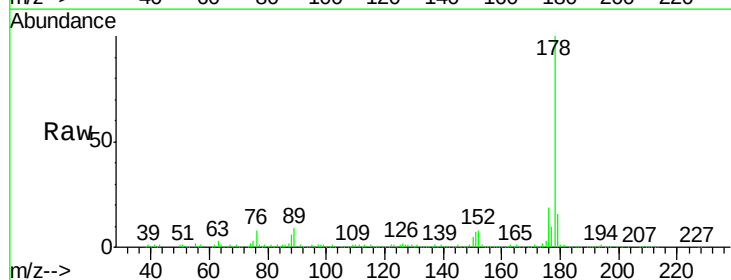
Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

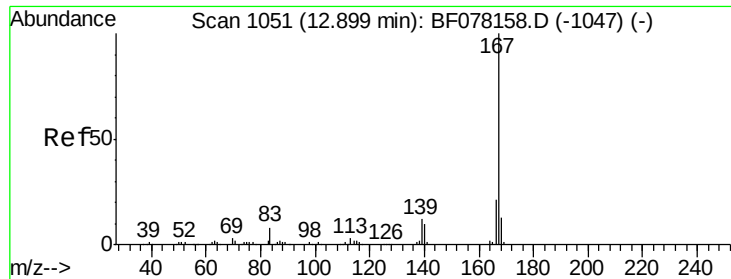
Tgt Ion:178 Resp: 457873
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.3 12.2 18.2



#71
Anthracene
Concen: 25.70 ng
RT: 12.48 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion:178 Resp: 194539
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 16.3 12.4 18.6





#72

Carbazole

Concen: 6.39 ng

RT: 12.70 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

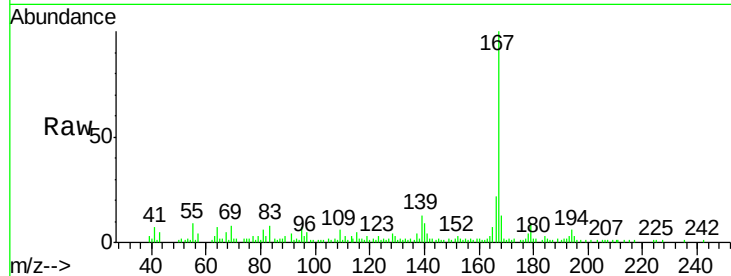
Tgt Ion:167 Resp: 45313

Ion Ratio Lower Upper

167 100

166 21.6 16.8 25.2

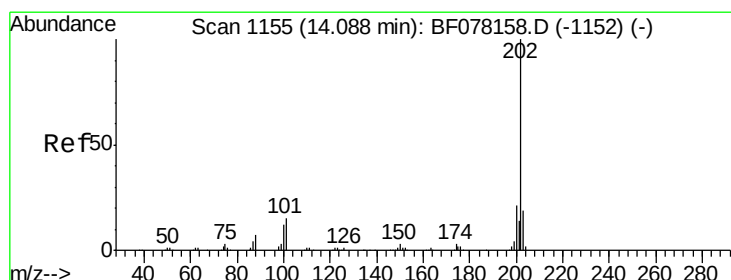
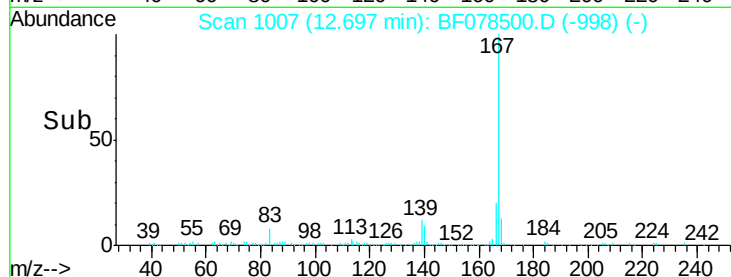
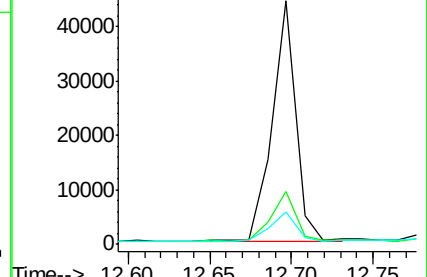
139 13.5 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 62.89 ng

RT: 13.89 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

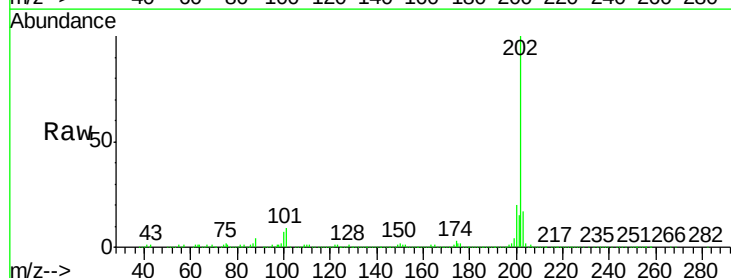
Tgt Ion:202 Resp: 509462

Ion Ratio Lower Upper

202 100

101 9.0 0.0 35.2

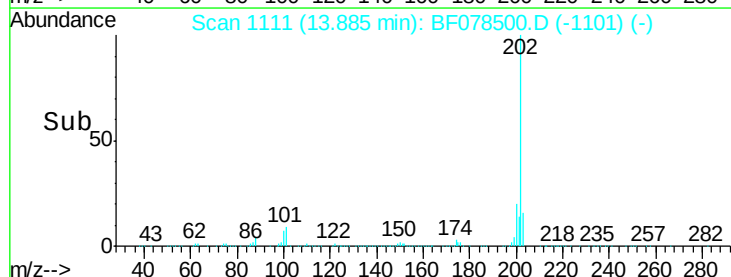
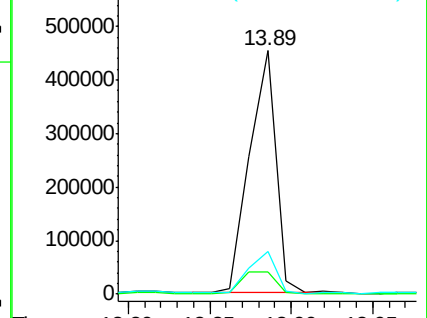
203 17.4 0.0 38.5

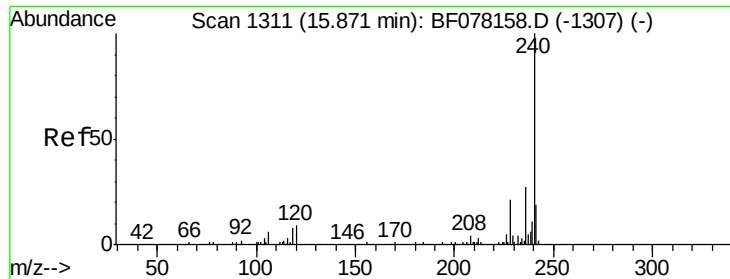


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.66 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

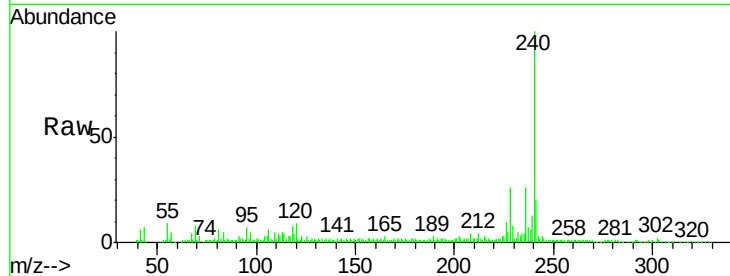
Tgt Ion:240 Resp: 139111

Ion Ratio Lower Upper

240 100

120 9.3 7.1 10.7

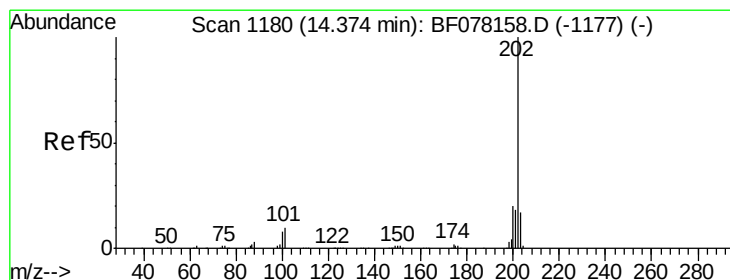
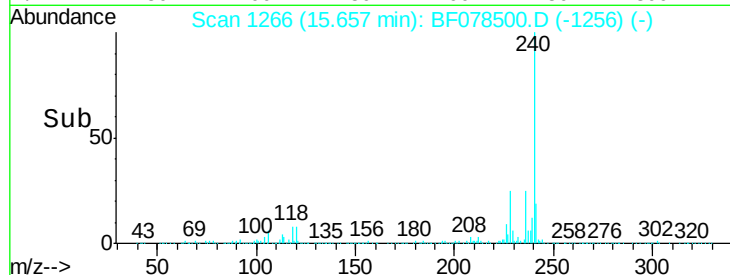
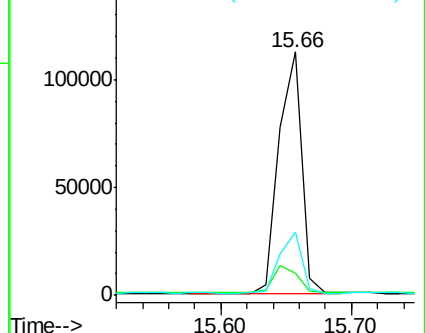
236 25.7 21.4 32.2



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: 83.40 ng

RT: 14.16 min Scan# 1135

Delta R.T. 0.01 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

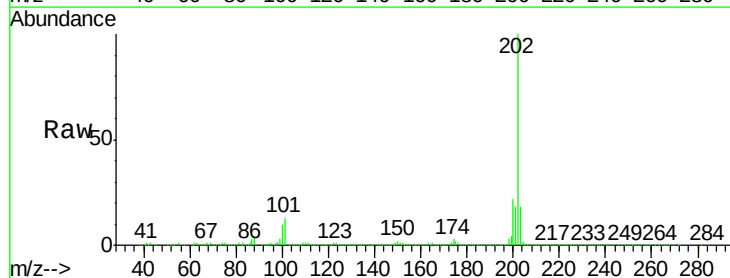
Tgt Ion:202 Resp: 728299

Ion Ratio Lower Upper

202 100

200 21.8 16.3 24.5

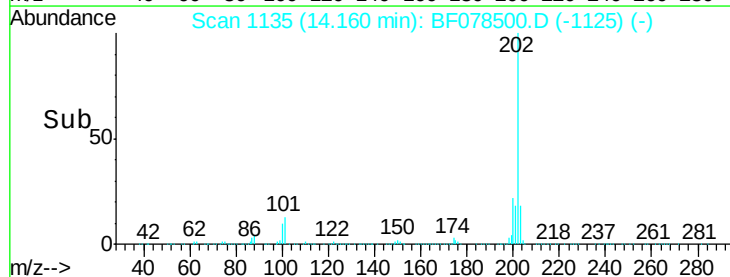
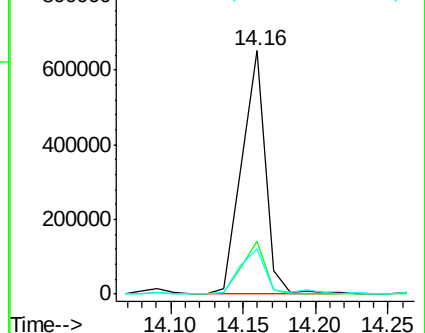
203 18.5 13.8 20.6

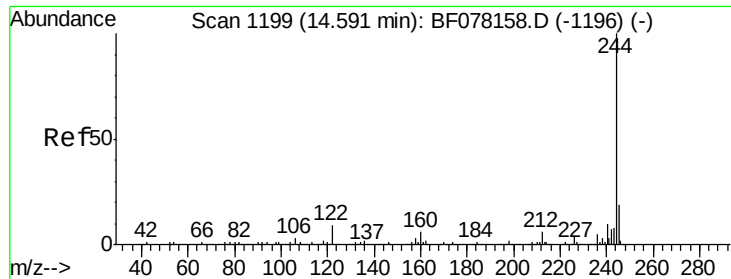


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.37 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

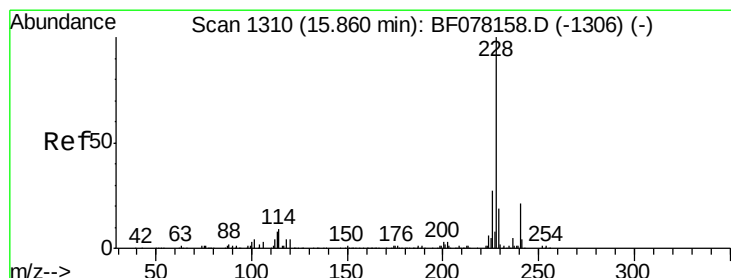
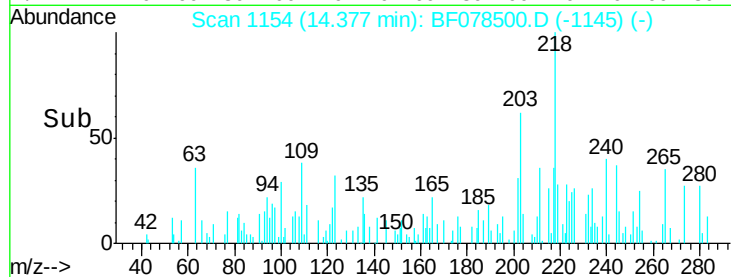
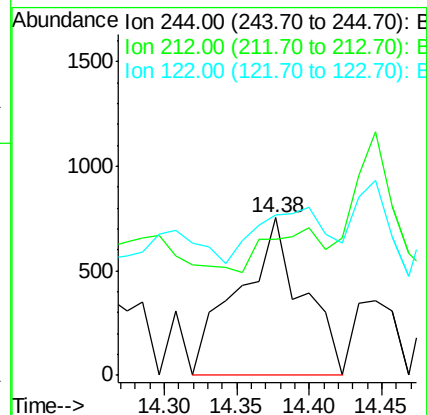
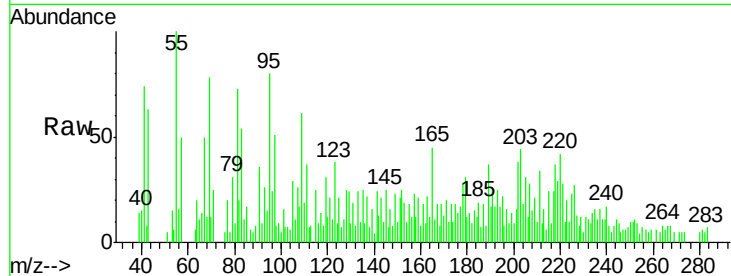
Tgt Ion:244 Resp: 2300

Ion Ratio Lower Upper

244 100

212 86.6 5.0 7.4#

122 101.9 7.1 10.7#



#80

Benzo(a)anthracene

Concen: 16.30 ng

RT: 15.68 min Scan# 1268

Delta R.T. 0.05 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

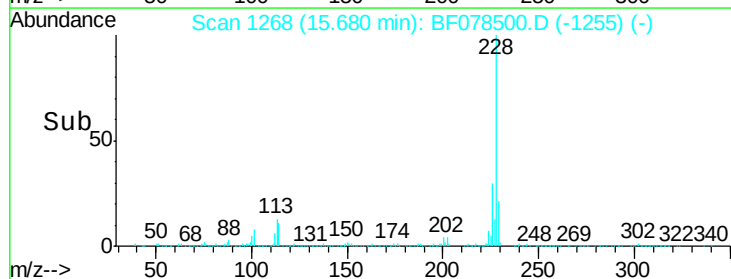
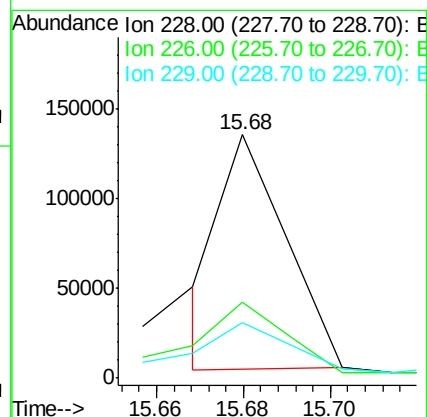
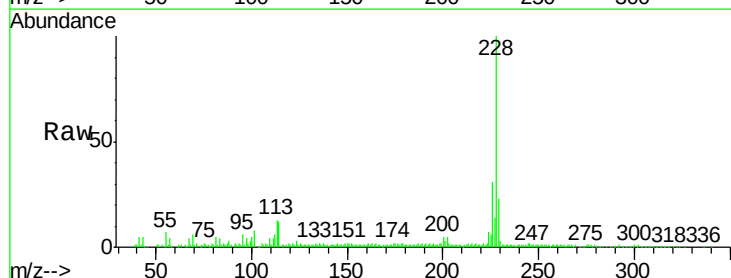
Tgt Ion:228 Resp: 134912

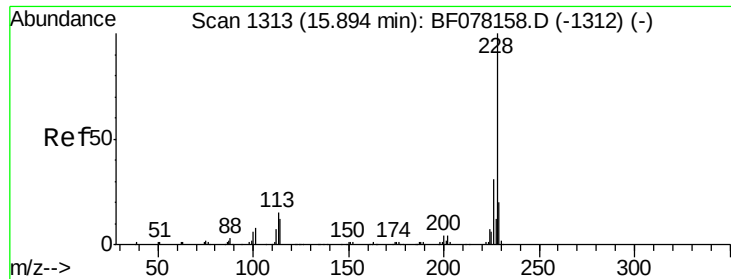
Ion Ratio Lower Upper

228 100

226 31.0 21.3 31.9

229 22.6 15.4 23.2





#82

Chrysene

Concen: 18.37 ng

RT: 15.68 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

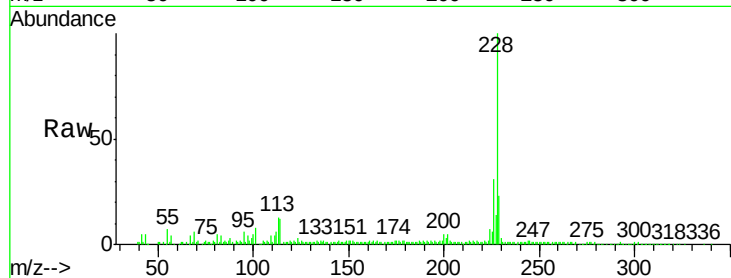
Tgt Ion:228 Resp: 142832

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.4

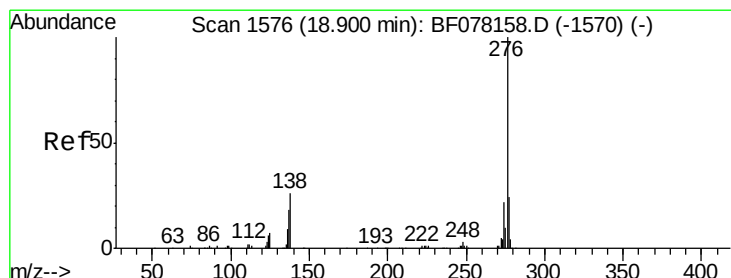
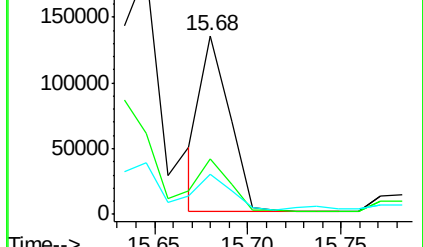
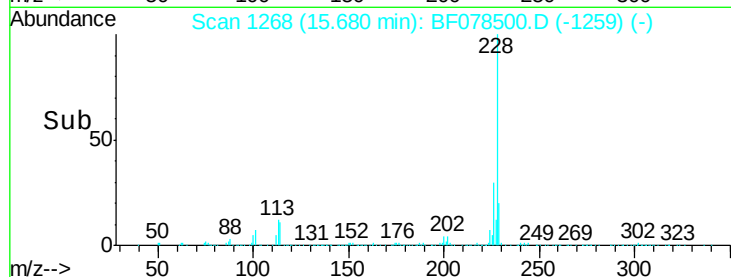
229 22.6 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng

RT: 18.54 min Scan# 1518

Delta R.T. 0.03 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

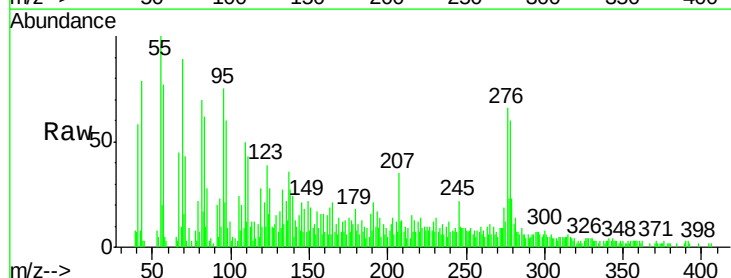
Tgt Ion:276 Resp: 20001

Ion Ratio Lower Upper

276 100

138 35.8 16.9 25.3#

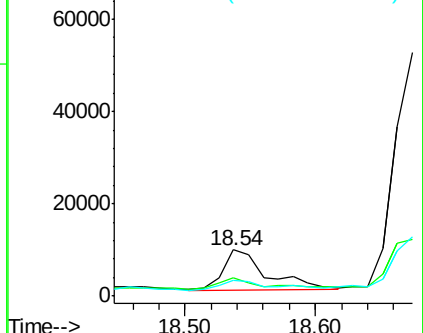
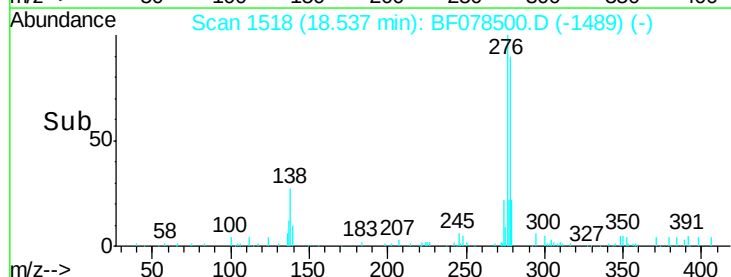
277 32.2 15.8 23.6#

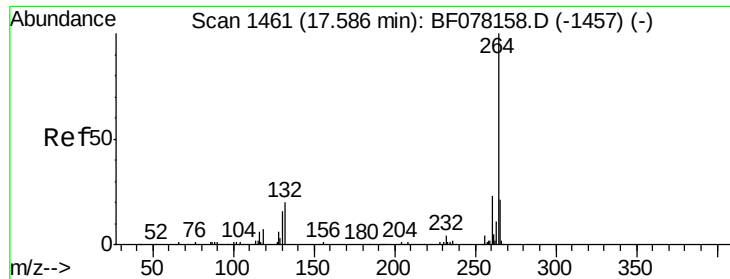


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



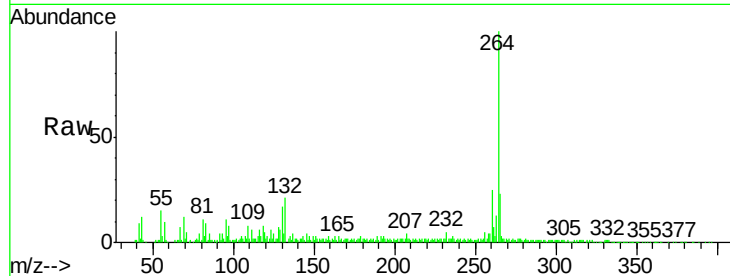


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.41 min Scan# 1419
Delta R.T. 0.11 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

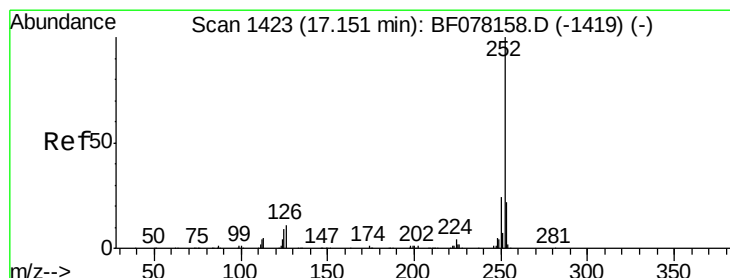
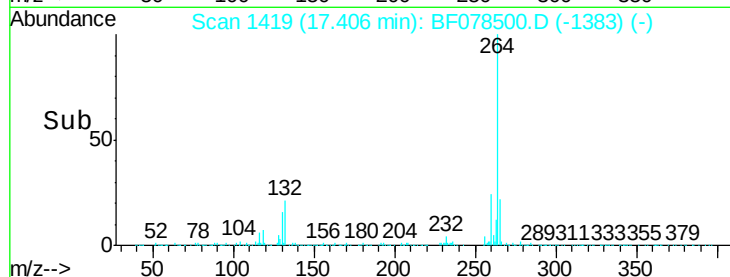
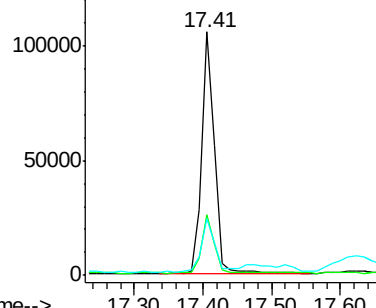
Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion: 264 Resp: 139296

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	23.4	17.0	25.6



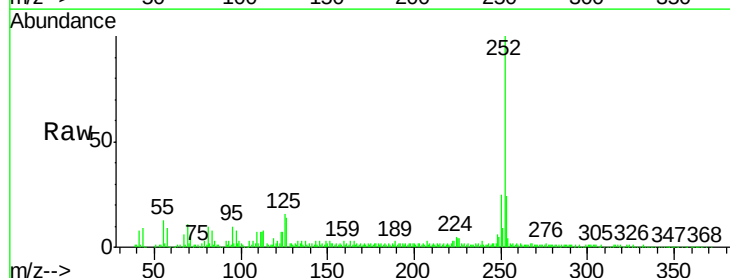
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



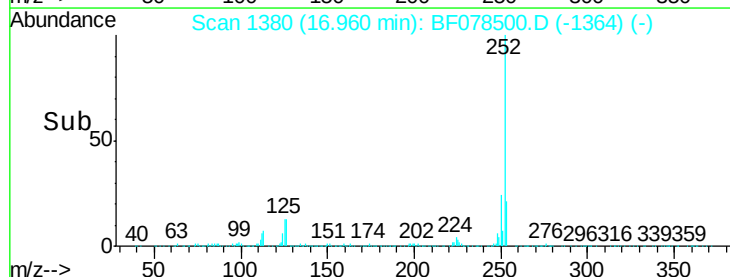
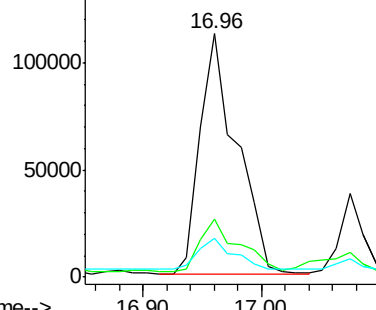
#87
Benzo(b)fluoranthene
Concen: 28.17 ng
RT: 16.96 min Scan# 1380
Delta R.T. 0.08 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

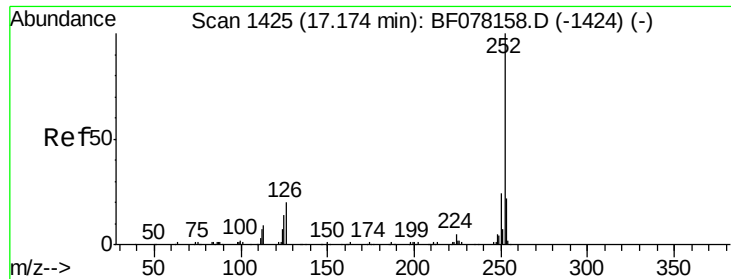
Tgt Ion: 252 Resp: 242496

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	16.1	7.0	10.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

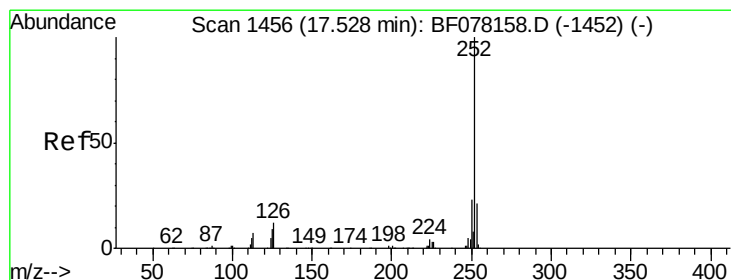
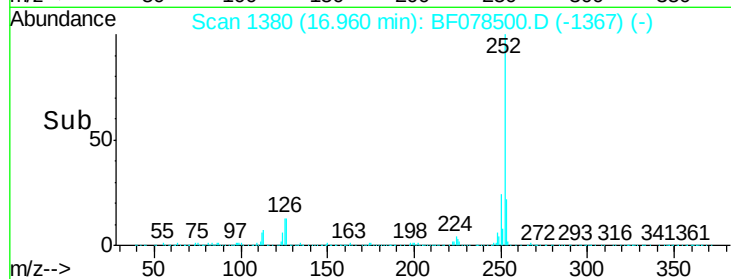
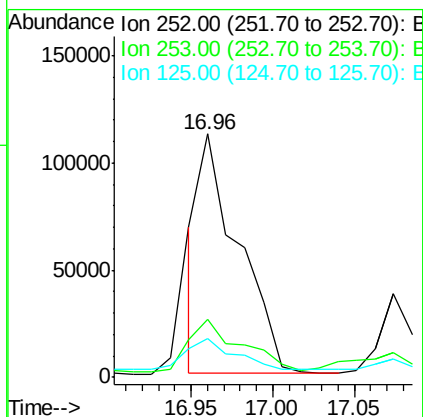
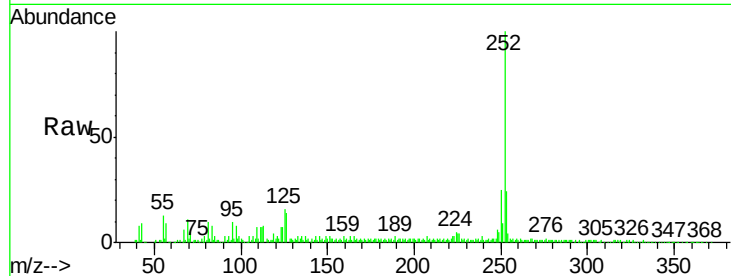




#88
Benzo(k)fluoranthene
Concen: 24.16 ng
RT: 16.96 min Scan# 1380
Delta R.T. 0.05 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

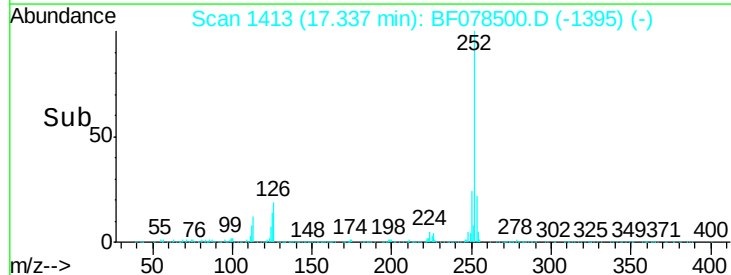
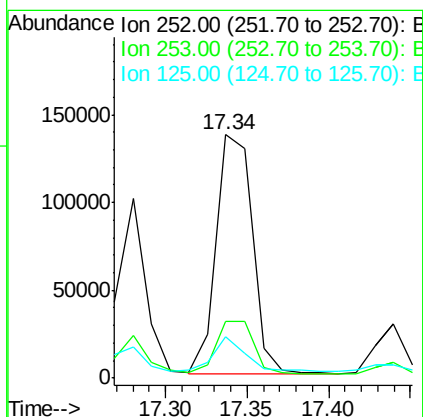
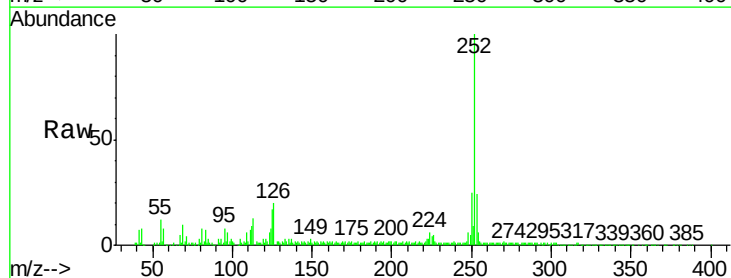
Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

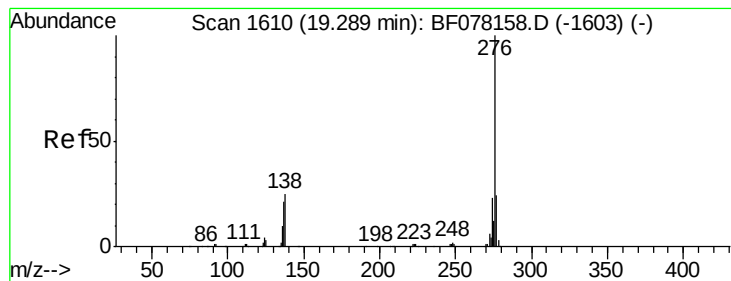
Tgt Ion: 252 Resp: 184868
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 16.1 11.6 17.4



#89
Benzo(a)pyrene
Concen: 27.68 ng
RT: 17.34 min Scan# 1413
Delta R.T. 0.10 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion: 252 Resp: 207989
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 16.7 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 11.88 ng

RT: 19.02 min Scan# 1560

Delta R.T. 0.17 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

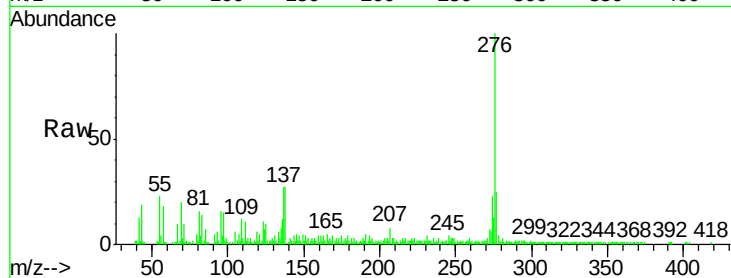
Tgt Ion: 276 Resp: 89581

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 27.4 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

