

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041315\
 Data File : BF078501.D
 Acq On : 14 Apr 2015 12:46
 Operator : TP/IZ
 Sample : G1850-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Quant Time: Apr 14 12:23:41 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	32785	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	133316	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	66774	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	131690	20.00	ng	0.00
75) Chrysene-d12	15.65	240	139641	20.00	ng	0.00
86) Perylene-d12	17.37	264	143591	20.00	ng	0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	549653	276.42	ng	0.02
7) Phenol-d6	6.43	99	716555	287.54	ng	0.00
23) Nitrobenzene-d5	7.53	82	390972	177.76	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	168973	305.12	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	682234	146.04	ng	0.00
78) Terphenyl-d14	14.38	244	880039	142.41	ng	0.00

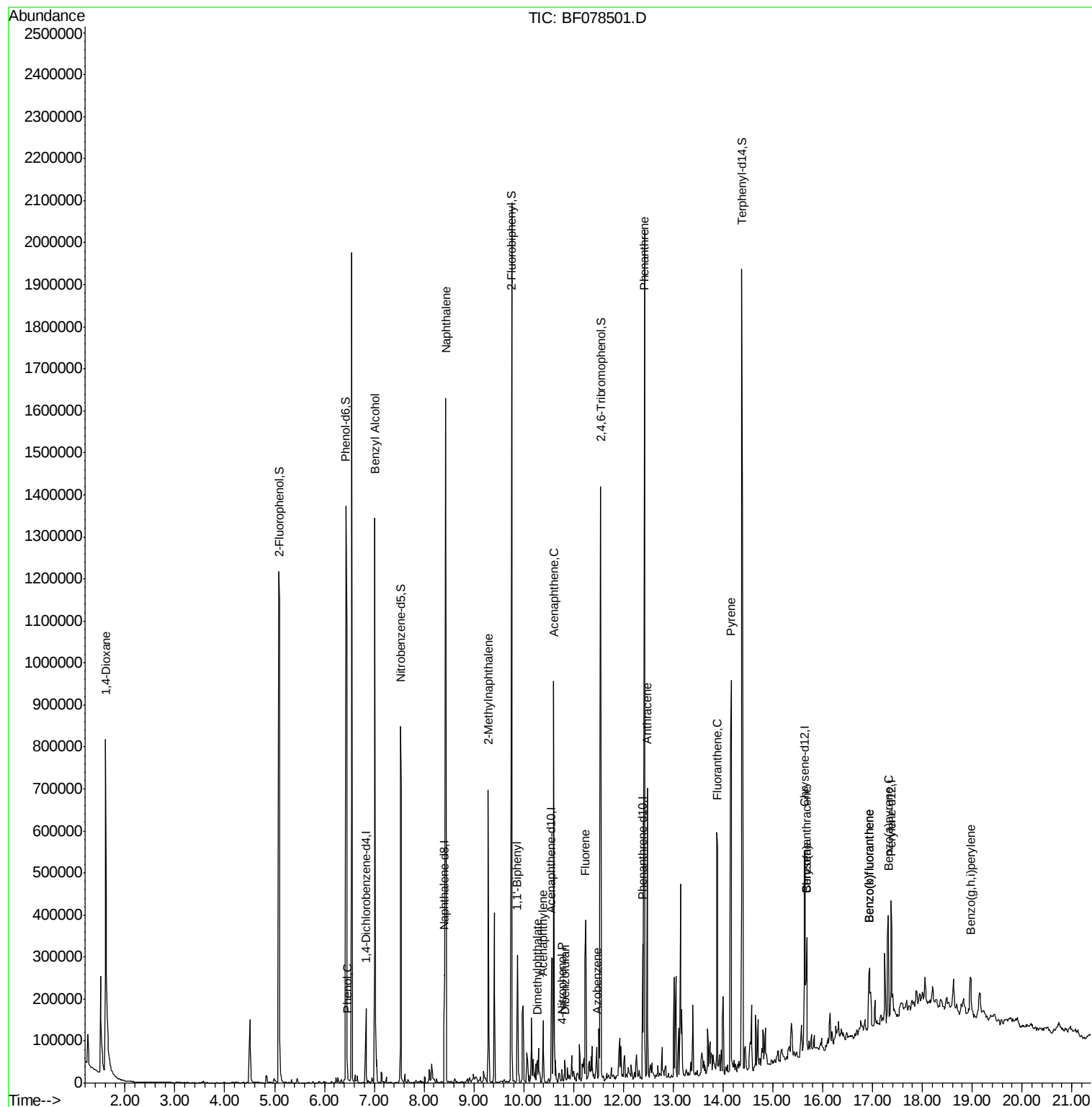
Target Compounds						Qvalue
2) 1,4-Dioxane	1.61	88	33271	37.00	ng	# 23
10) Phenol	6.46	94	9085	3.04	ng	94
15) Benzyl Alcohol	7.02	79	5874	3.35	ng	# 53
31) Naphthalene	8.43	128	717423	103.39	ng	99
37) 2-Methylnaphthalene	9.29	142	192345	40.83	ng	98
45) 1,1'-Biphenyl	9.87	154	95411	17.47	ng	98
48) Acenaphthylene	10.39	152	53614	7.73	ng	# 96
49) Dimethylphthalate	10.27	163	31055	6.19	ng	# 96
51) Acenaphthene	10.60	154	209173	53.54	ng	100
54) Dibenzofuran	10.82	168	13470	2.26	ng	# 95
55) 4-Nitrophenol	10.76	139	275	3.07	ng	# 18
57) Fluorene	11.24	166	168404	34.81	ng	98
62) Azobenzene	11.47	77	9008	2.04	ng	# 1
70) Phenanthrene	12.42	178	833151	109.37	ng	99
71) Anthracene	12.48	178	276440	36.83	ng	99
74) Fluoranthene	13.89	202	357552	44.51	ng	91
77) Pyrene	14.16	202	545284	62.20	ng	99
80) Benzo(a)anthracene	15.68	228	102119	12.29	ng	95
82) Chrysene	15.68	228	124195	15.91	ng	99
87) Benzo(b)fluoranthene	16.94	252	140833	15.87	ng	# 94
88) Benzo(k)fluoranthene	16.94	252	132617	16.82	ng	99
89) Benzo(a)pyrene	17.31	252	133283	17.21	ng	97
91) Benzo(g,h,i)perylene	18.97	276	55858	7.18	ng	97

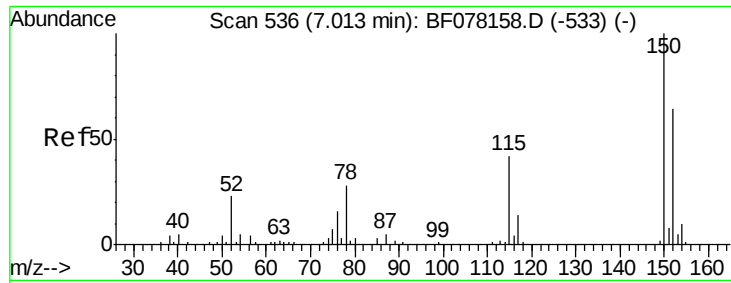
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10DA

Quant Time: Apr 14 12:23:41 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



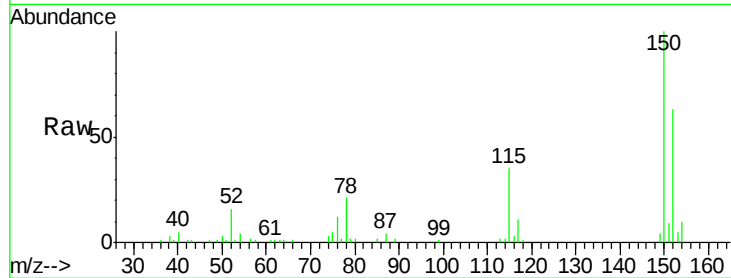


#1

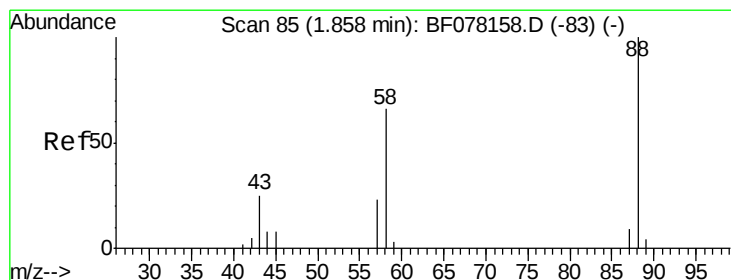
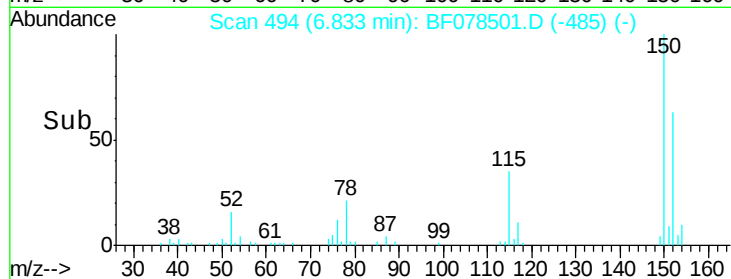
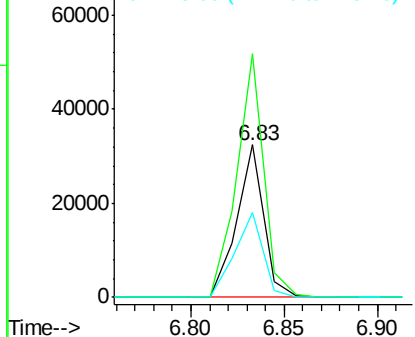
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 494
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampleId :
SB-10DA

Tgt Ion:152 Resp: 32785
Ion Ratio Lower Upper
152 100
150 159.5 125.9 188.9
115 55.9 52.7 79.1



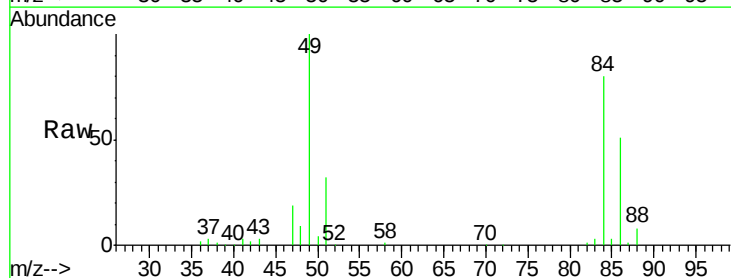
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



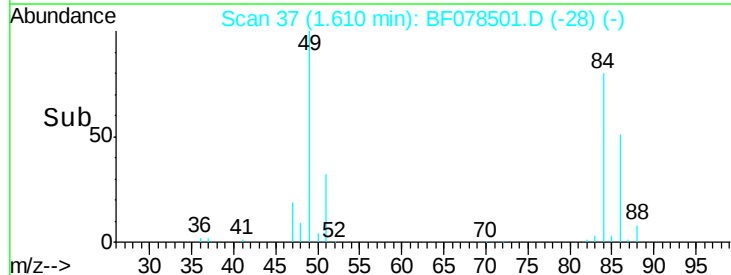
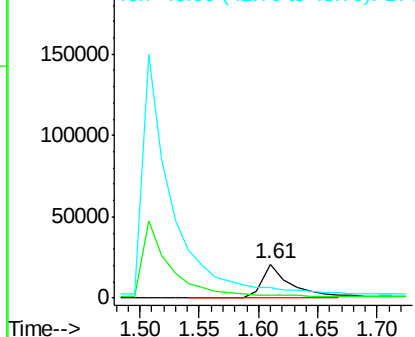
#2

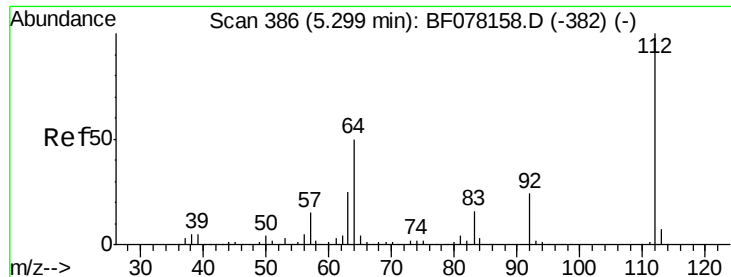
1,4-Dioxane
Concen: 37.00 ng
RT: 1.61 min Scan# 37
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion: 88 Resp: 33271
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 0.0 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: 276.42 ng

RT: 5.10 min Scan# 342

Delta R.T. 0.02 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

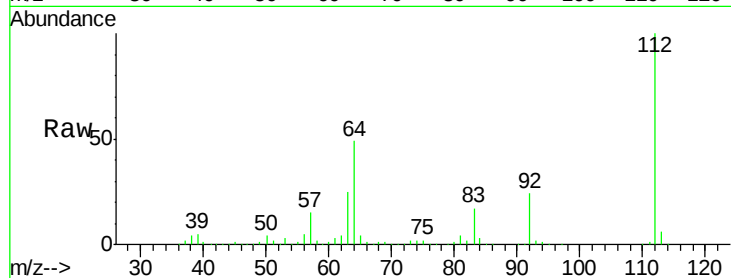
Tgt Ion: 112 Resp: 549653

Ion Ratio Lower Upper

112 100

64 49.0 39.9 59.9

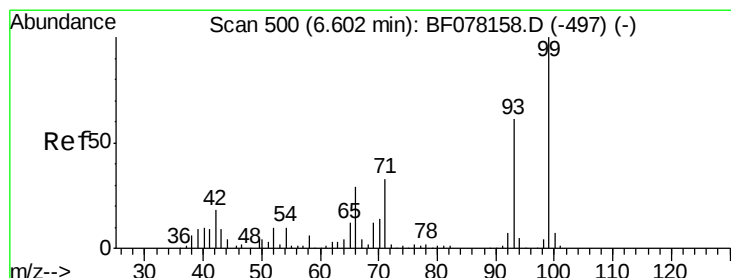
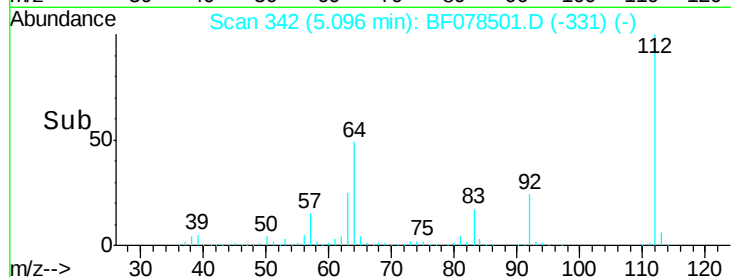
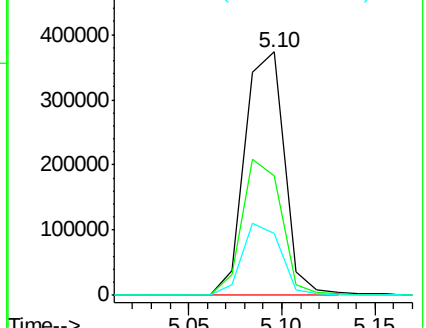
63 25.5 20.2 30.4



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: 287.54 ng

RT: 6.43 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

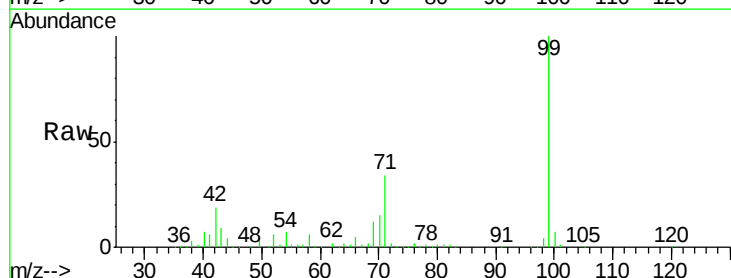
Tgt Ion: 99 Resp: 716555

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

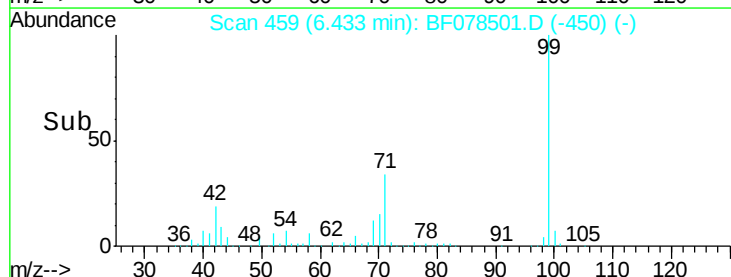
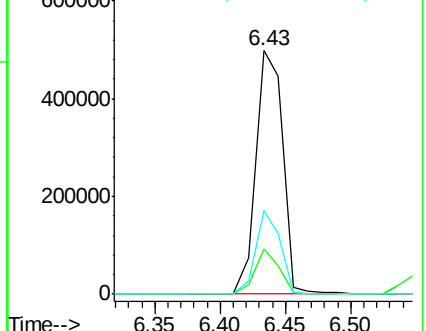
71 34.2 26.6 39.8

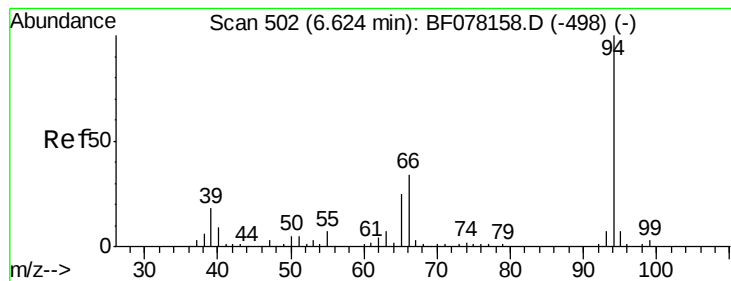


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 3.04 ng

RT: 6.46 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

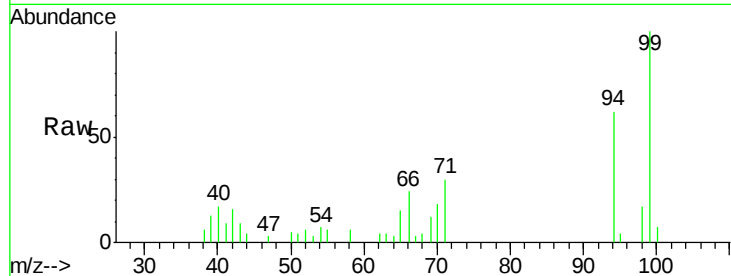
Tgt Ion: 94 Resp: 9085

Ion Ratio Lower Upper

94 100

65 23.9 4.9 44.9

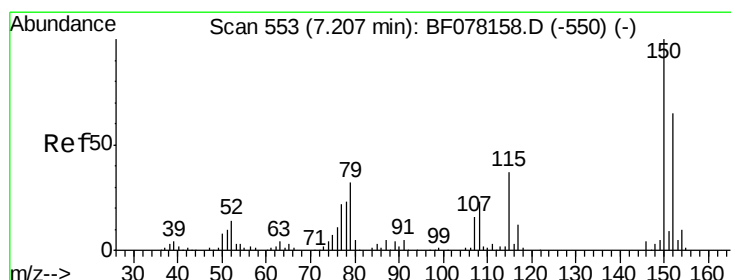
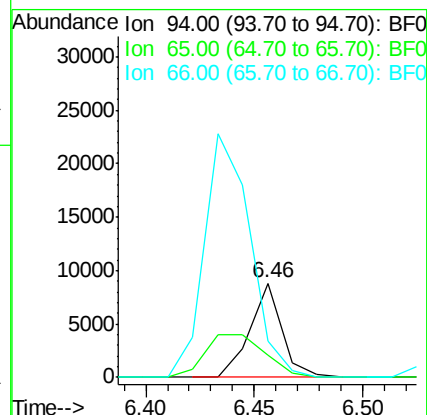
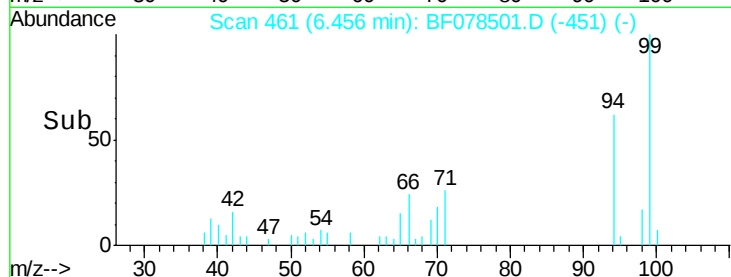
66 39.1 13.8 53.8



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



#15

Benzyl Alcohol

Concen: 3.35 ng

RT: 7.02 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

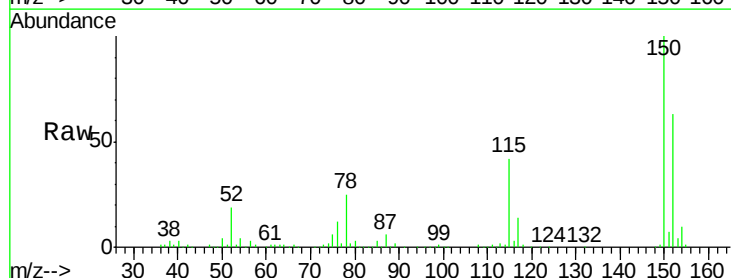
Tgt Ion: 79 Resp: 5874

Ion Ratio Lower Upper

79 100

108 31.6 57.6 86.4#

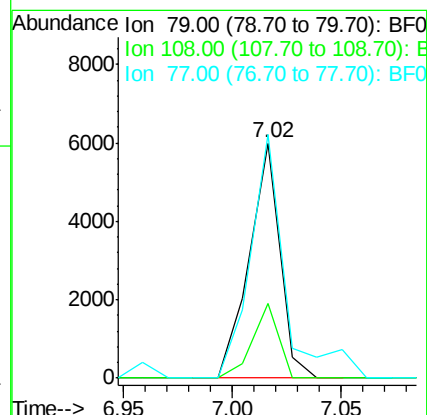
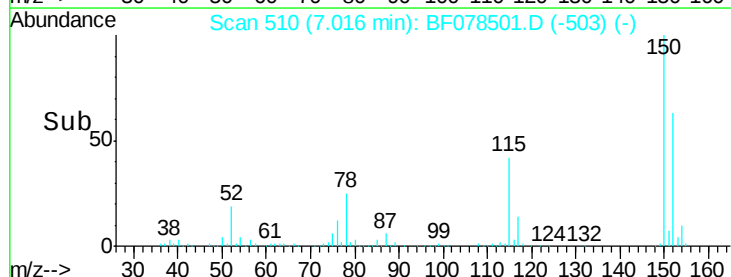
77 103.6 53.5 80.3#

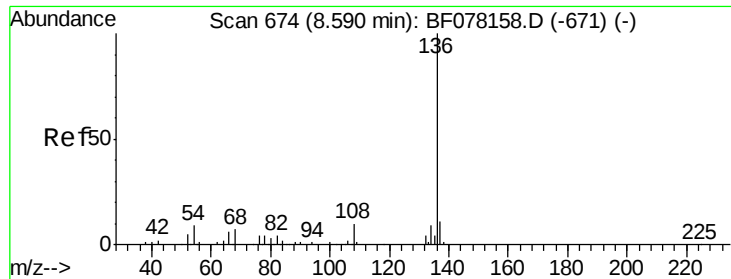


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

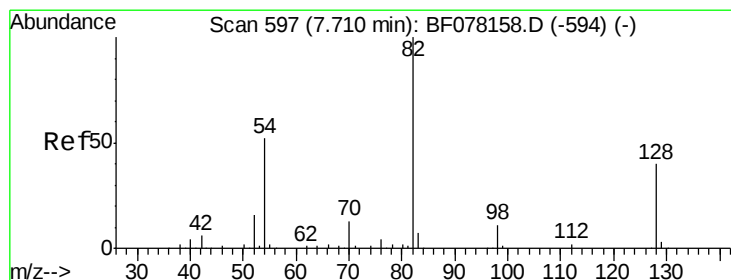
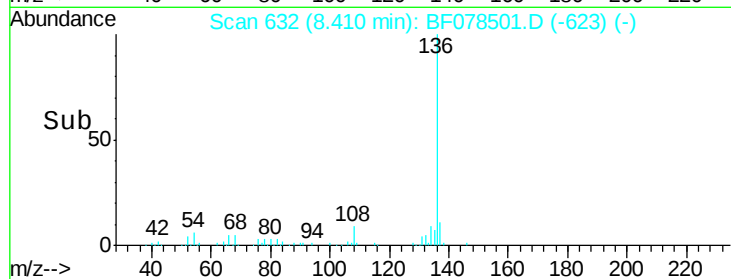
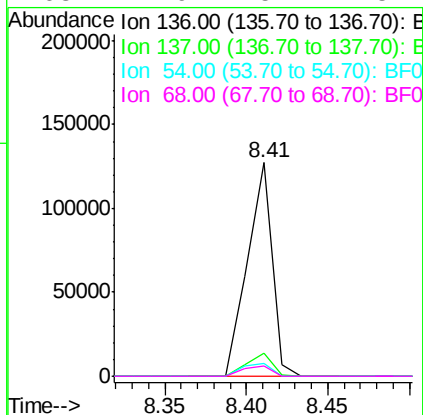
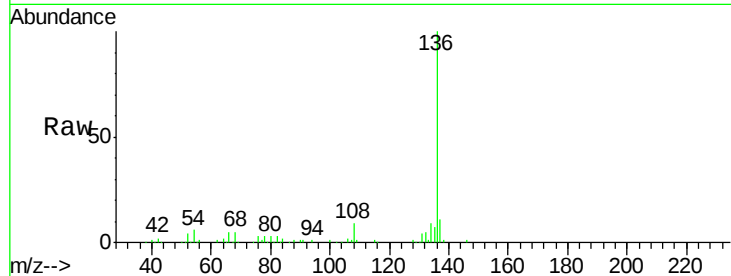




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.41 min Scan# 632
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

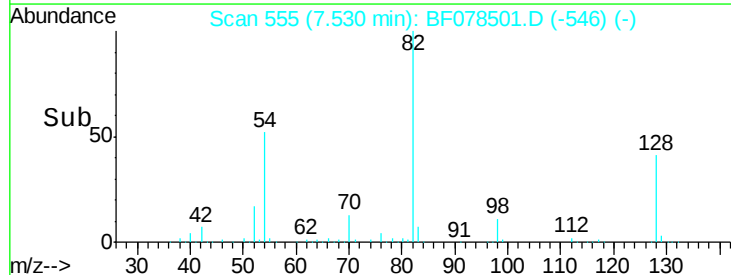
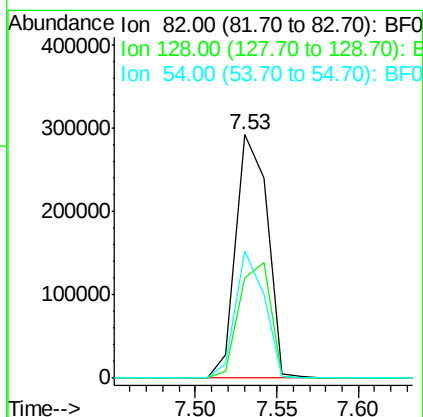
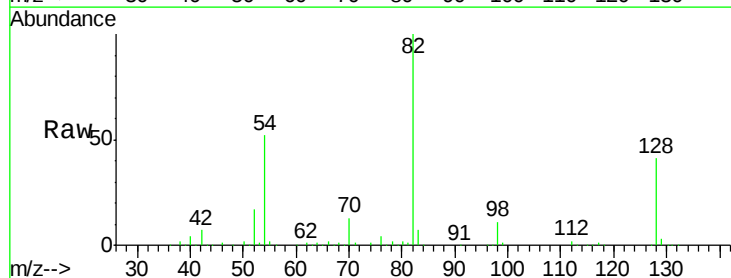
Instrument :
BNA_F
ClientSampleId :
SB-10DA

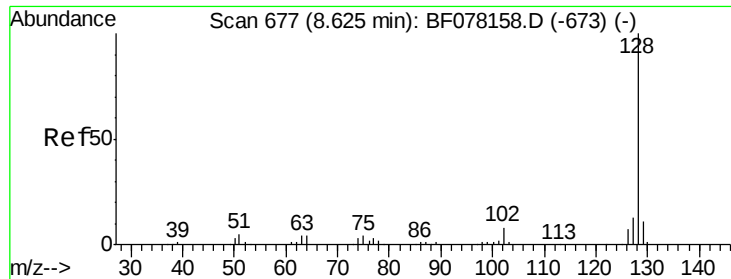
Tgt Ion:	136	Resp:	133316
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.2	7.0	10.6#
68	4.9	5.4	8.2#



#23
Nitrobenzene-d5
Concen: 177.76 ng
RT: 7.53 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion:	82	Resp:	390972
Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.8	47.8
54	52.3	41.5	62.3

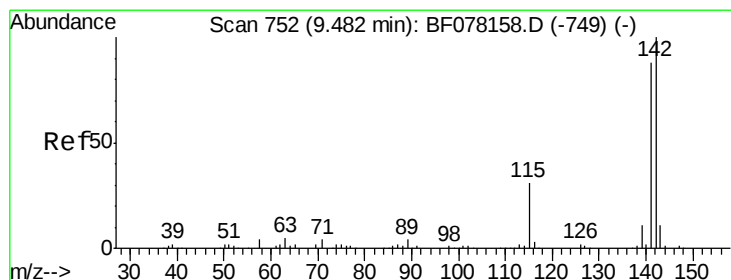
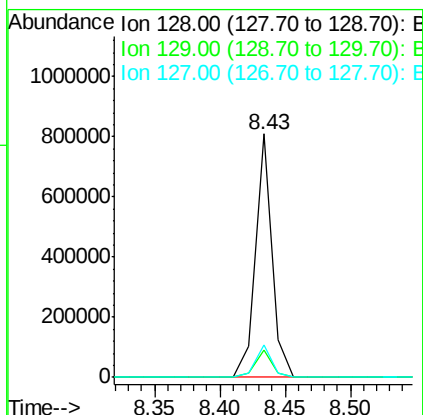
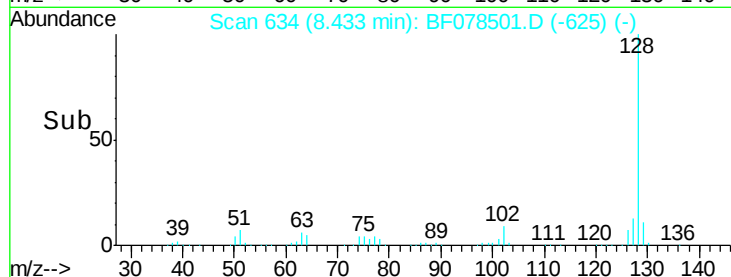
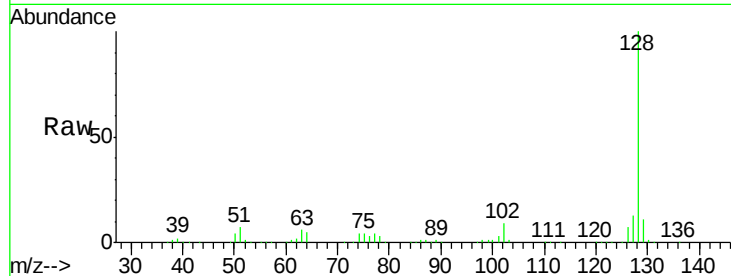




#31
Naphthalene
Concen: 103.39 ng
RT: 8.43 min Scan# 634
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

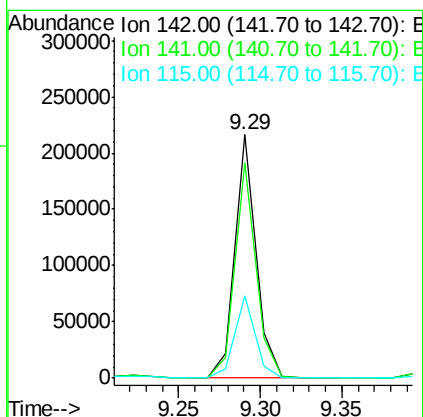
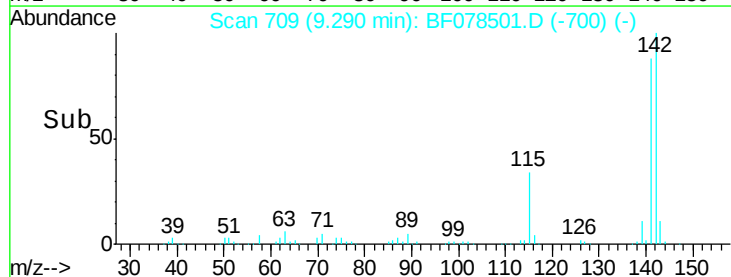
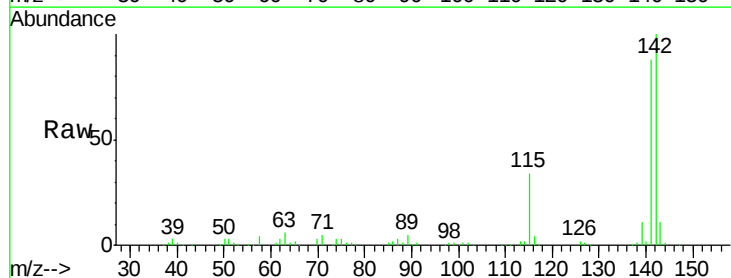
Instrument :
BNA_F
ClientSampleId :
SB-10DA

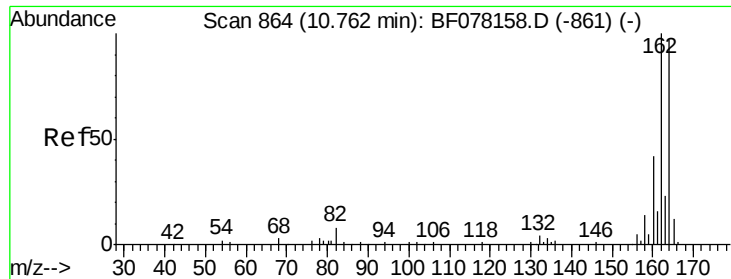
Tgt Ion:128 Resp: 717423
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.2 10.7 16.1



#37
2-Methylnaphthalene
Concen: 40.83 ng
RT: 9.29 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion:142 Resp: 192345
Ion Ratio Lower Upper
142 100
141 88.3 70.3 105.5
115 34.0 24.6 37.0

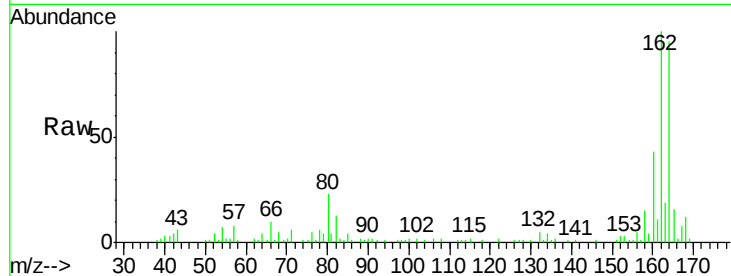




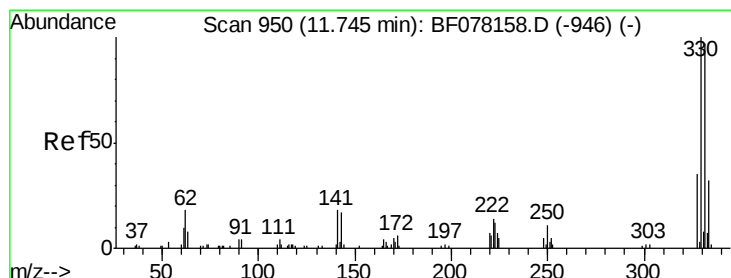
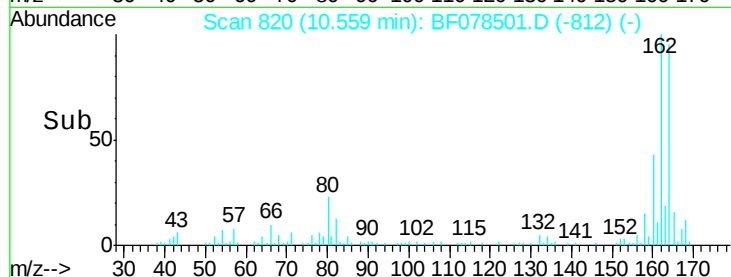
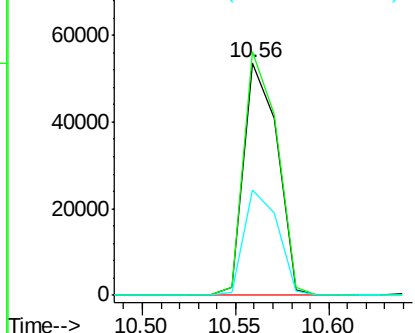
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.56 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Tgt Ion:164 Resp: 66774
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.2 123.2
 160 45.2 34.7 52.1

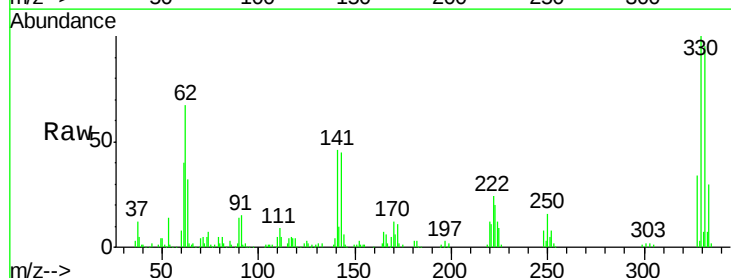


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

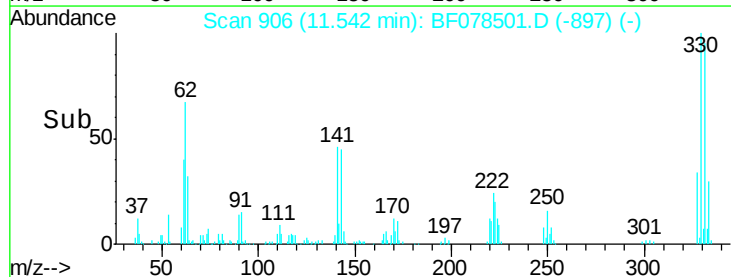
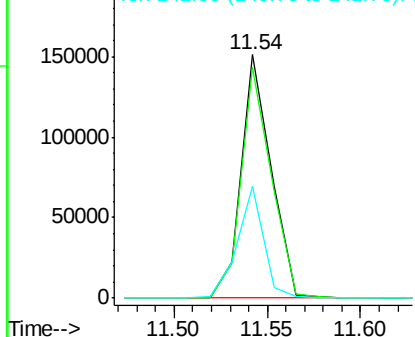


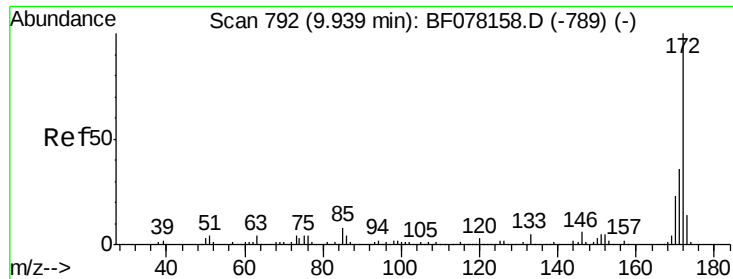
#41
 2,4,6-Tribromophenol
 Concen: 305.12 ng
 RT: 11.54 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion:330 Resp: 168973
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.6 117.8
 141 41.3 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

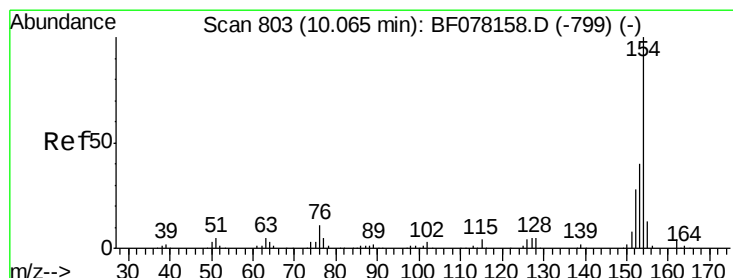
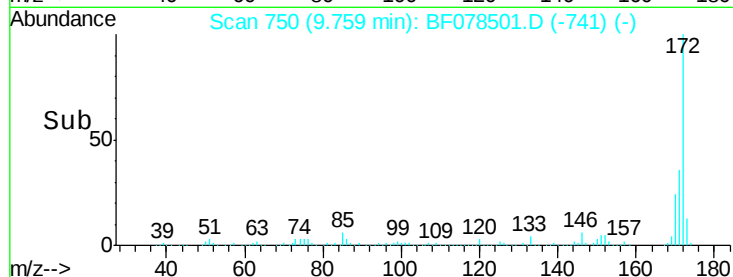
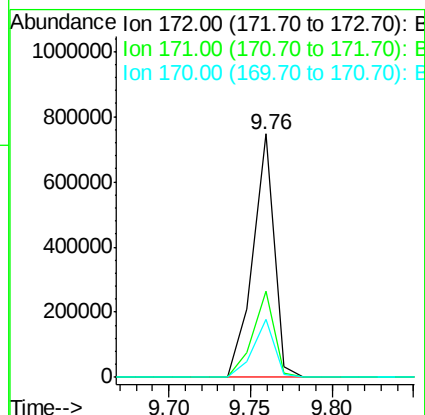
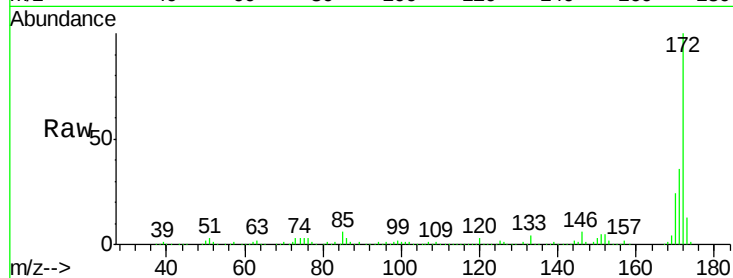




#44
 2-Fluorobiphenyl
 Concen: 146.04 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

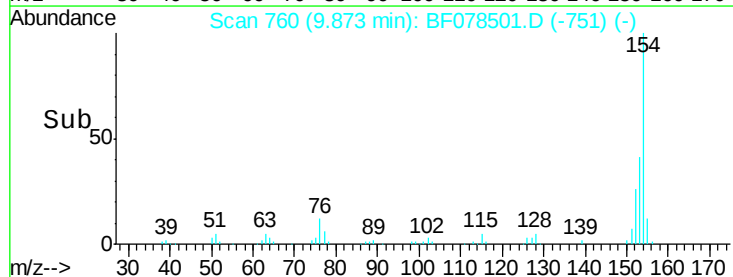
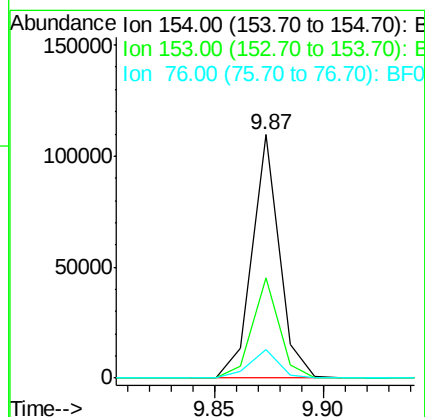
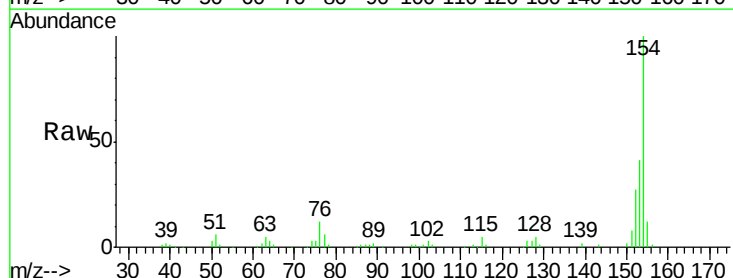
Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

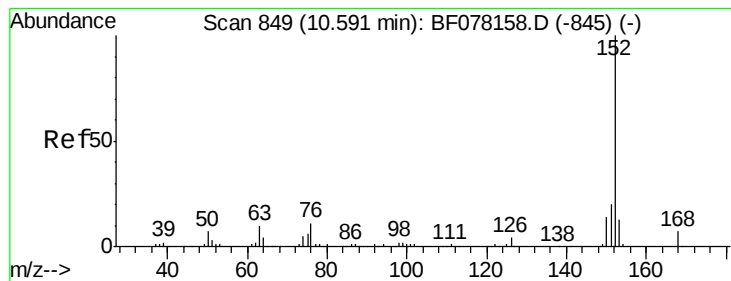
Tgt Ion:172 Resp: 682234
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 42.8
 170 23.6 18.5 27.7



#45
 1,1'-Biphenyl
 Concen: 17.47 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion:154 Resp: 95411
 Ion Ratio Lower Upper
 154 100
 153 41.2 20.0 60.0
 76 12.0 0.0 30.6





#48

Acenaphthylene

Concen: 7.73 ng

RT: 10.39 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

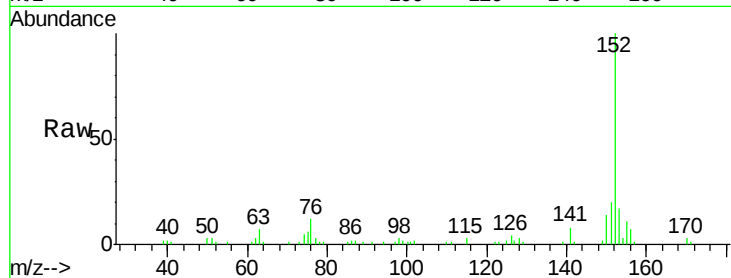
Tgt Ion:152 Resp: 53614

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

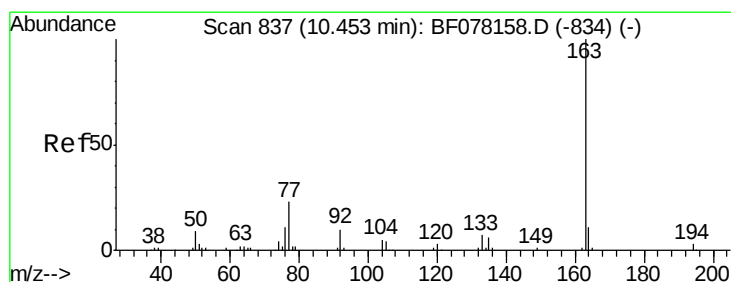
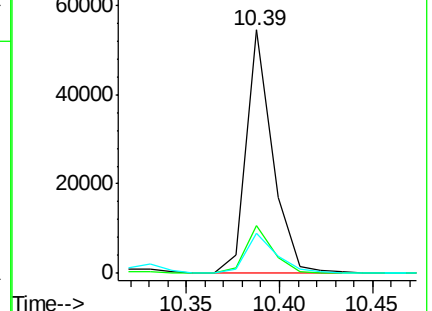
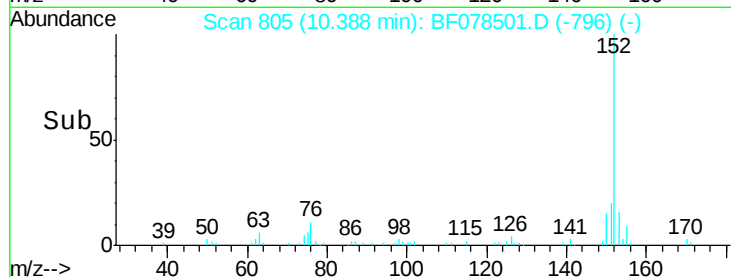
153 16.6 10.2 15.2#



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



#49

Dimethylphthalate

Concen: 6.19 ng

RT: 10.27 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

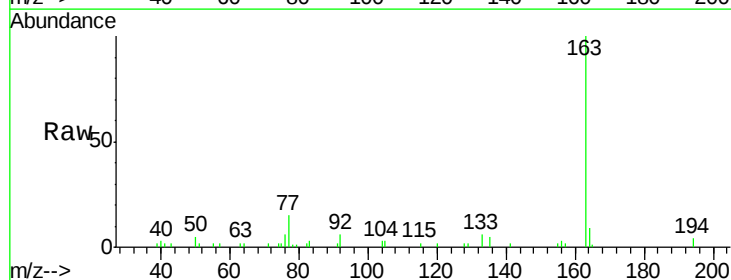
Tgt Ion:163 Resp: 31055

Ion Ratio Lower Upper

163 100

194 3.9 2.3 3.5#

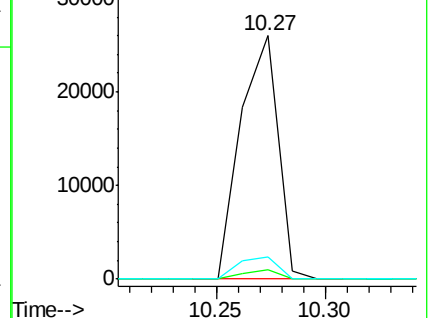
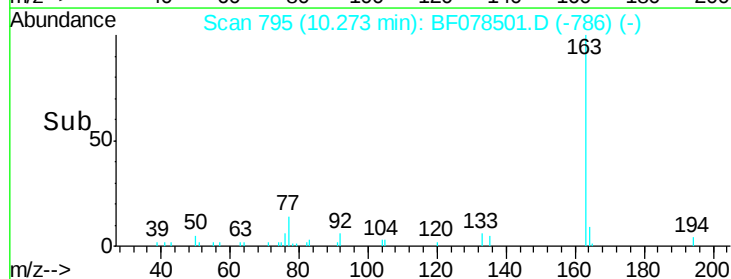
164 9.0 8.6 13.0

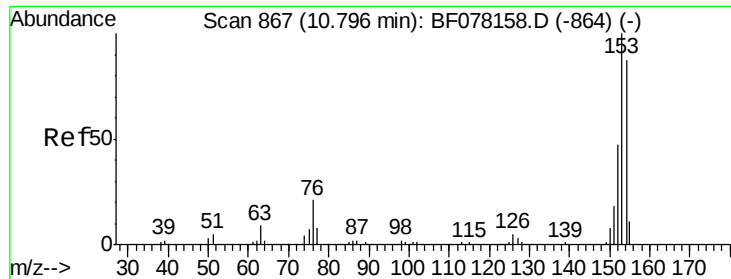


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 53.54 ng

RT: 10.60 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

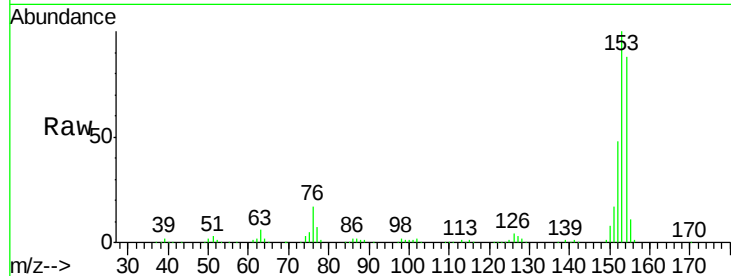
Tgt Ion:154 Resp: 209173

Ion Ratio Lower Upper

154 100

153 113.9 91.4 137.2

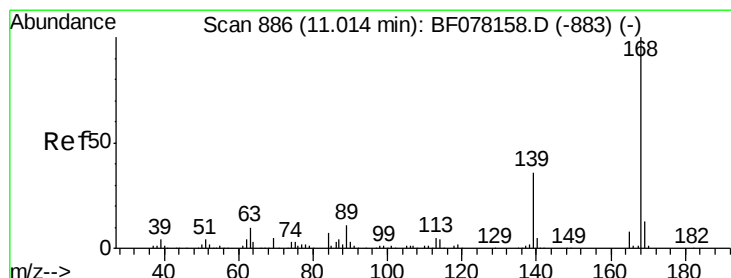
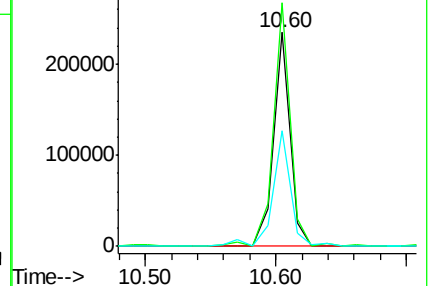
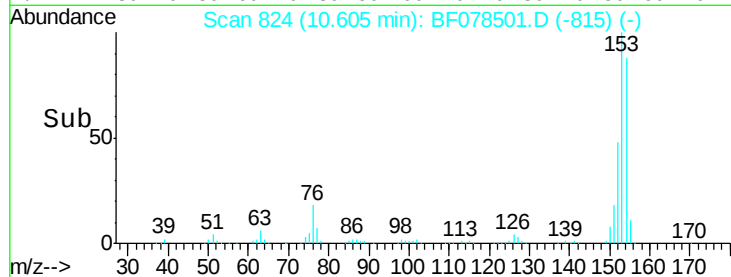
152 54.3 43.0 64.6



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



#54

Dibenzofuran

Concen: 2.26 ng

RT: 10.82 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

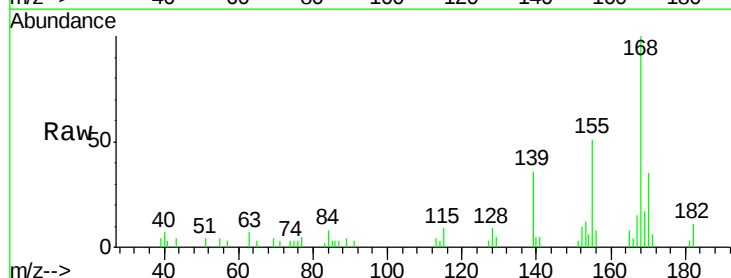
Tgt Ion:168 Resp: 13470

Ion Ratio Lower Upper

168 100

139 36.2 31.0 46.4

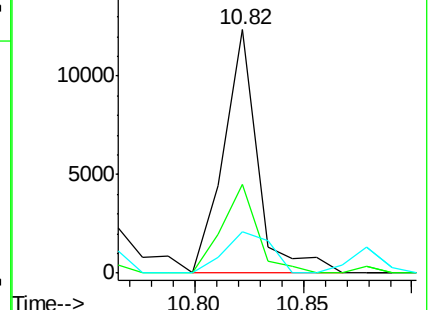
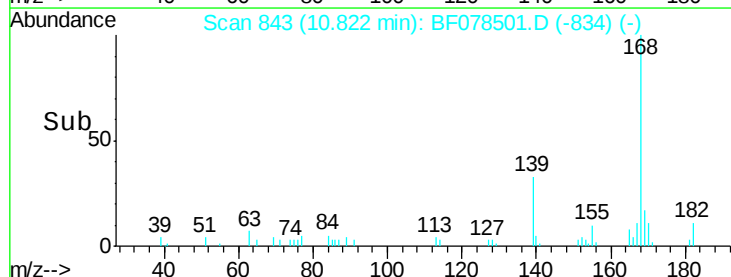
169 17.1 10.7 16.1#

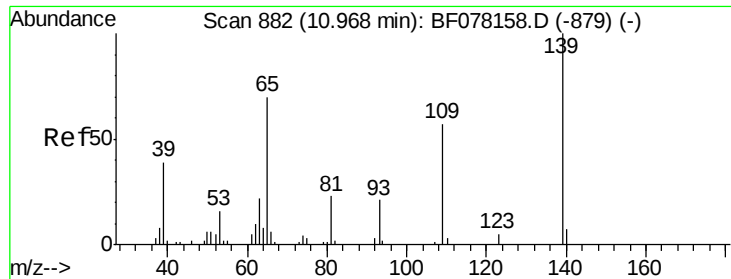


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 3.07 ng

RT: 10.76 min Scan# 838

Delta R.T. -0.02 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

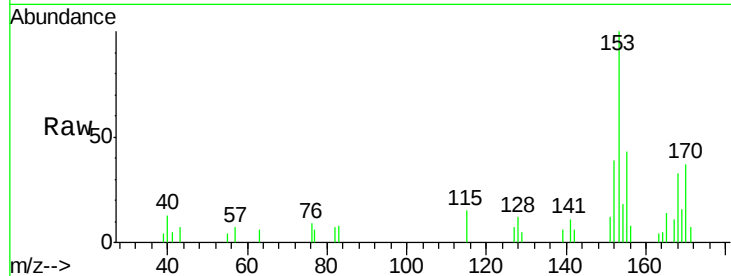
Tgt Ion:139 Resp: 275

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

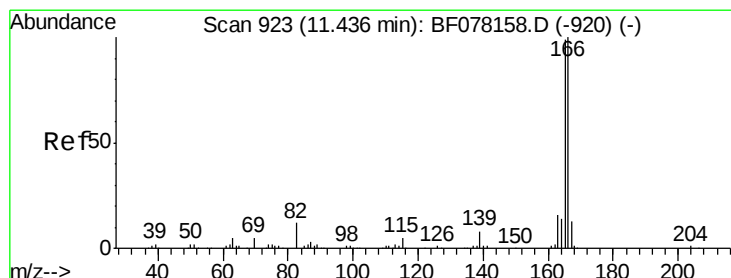
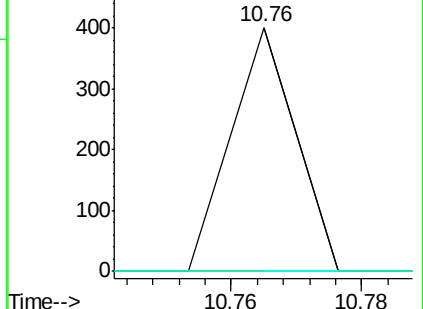
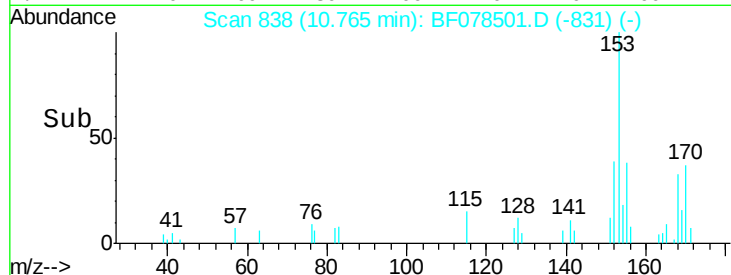
65 0.0 49.9 89.9#



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: 34.81 ng

RT: 11.24 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

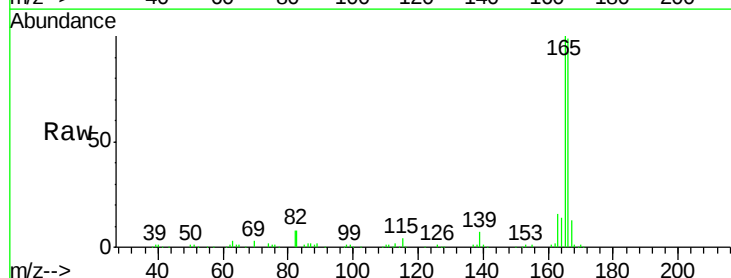
Tgt Ion:166 Resp: 168404

Ion Ratio Lower Upper

166 100

165 101.0 78.9 118.3

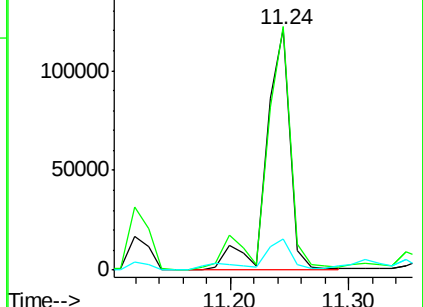
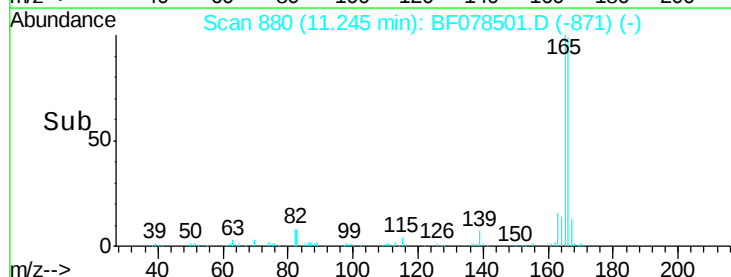
167 13.2 10.7 16.1

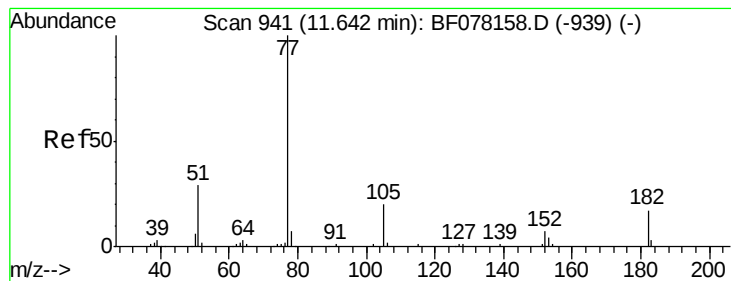


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#62

Azobenzene

Concen: 2.04 ng

RT: 11.47 min Scan# 900

Delta R.T. 0.02 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

Tgt Ion: 77 Resp: 9008

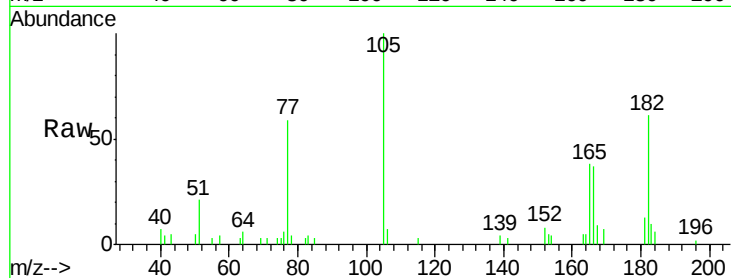
Ion Ratio Lower Upper

77 100

182 104.0 0.0 36.8#

105 170.6 0.3 40.3#

51 36.6 9.1 49.1

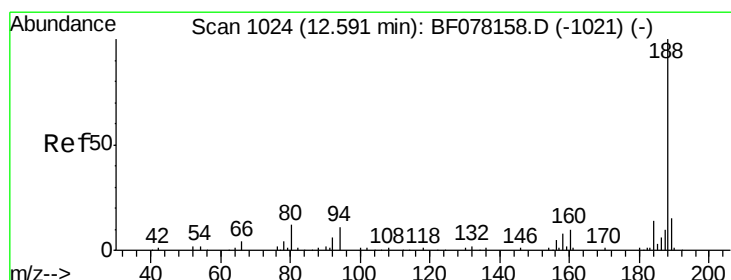
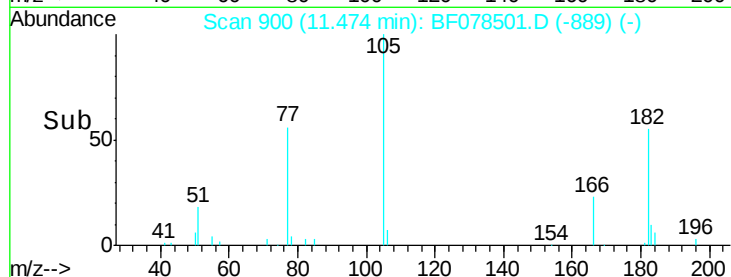
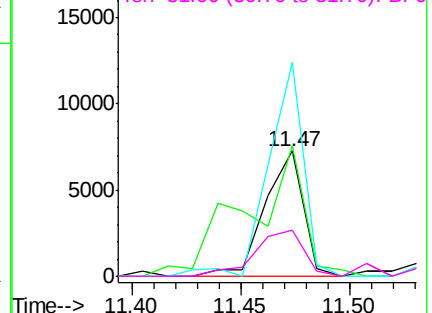


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.39 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

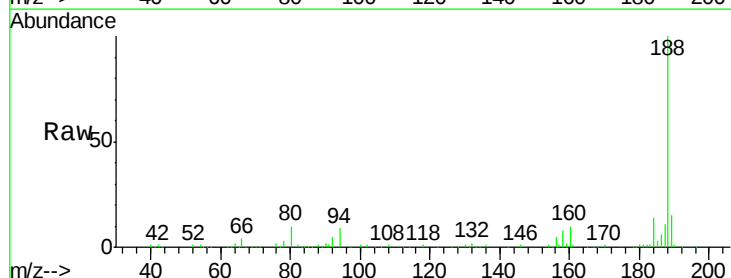
Tgt Ion: 188 Resp: 131690

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

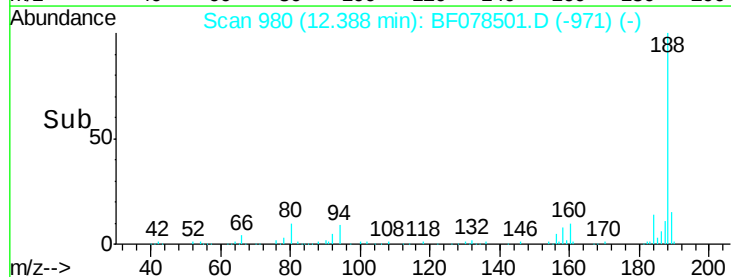
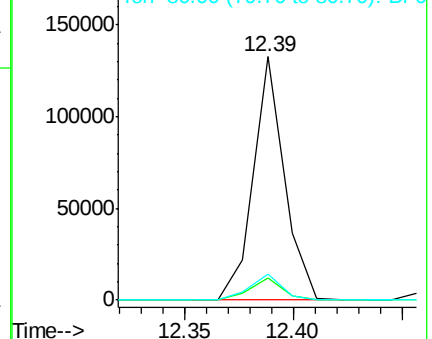
80 10.4 9.5 14.3

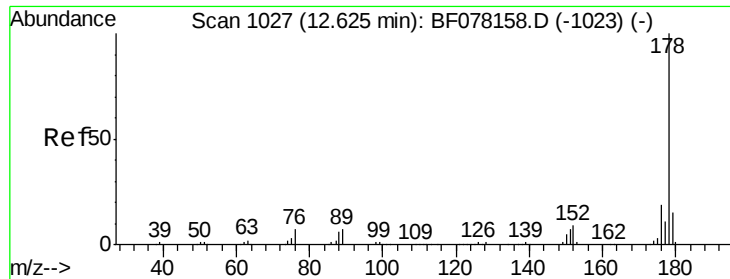


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

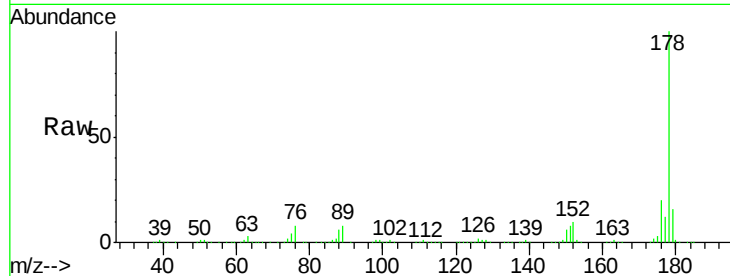




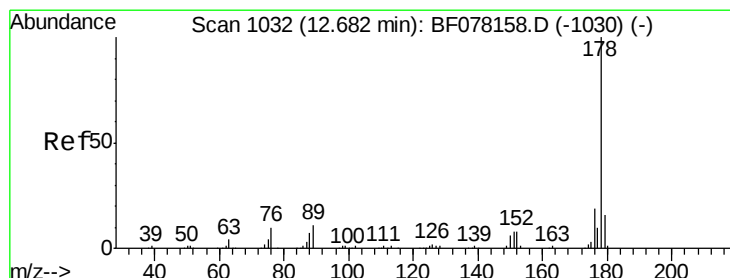
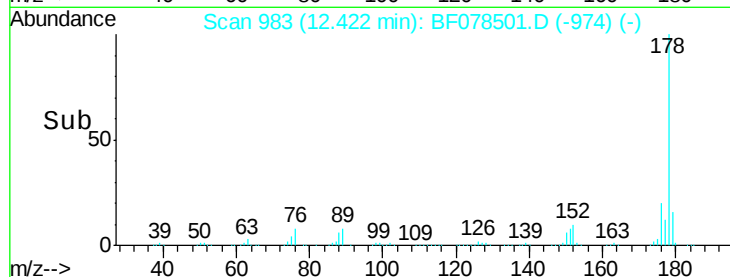
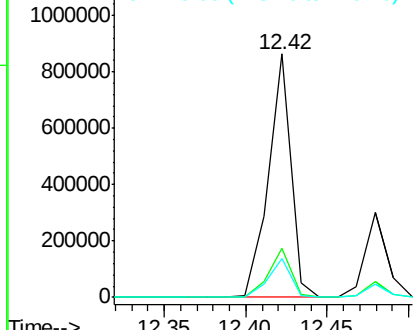
#70
Phenanthrene
Concen: 109.37 ng
RT: 12.42 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampleId :
SB-10DA

Tgt Ion:178 Resp: 833151
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 15.8 12.2 18.2

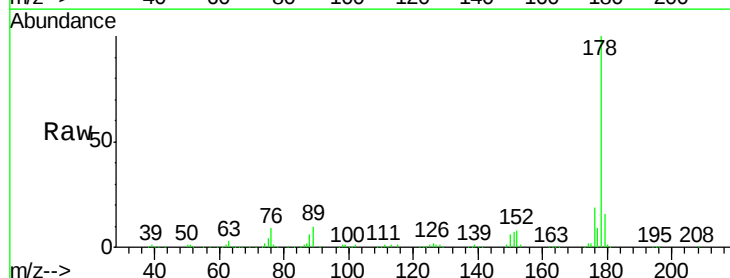


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

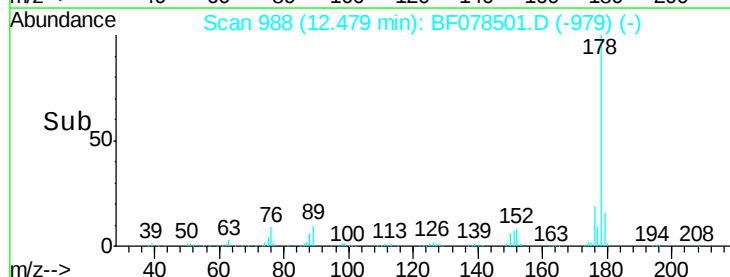
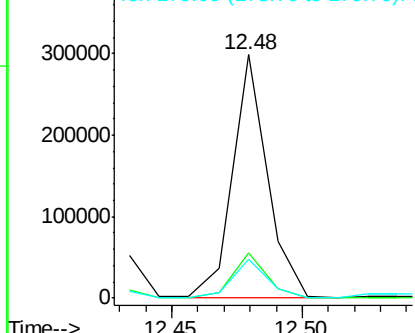


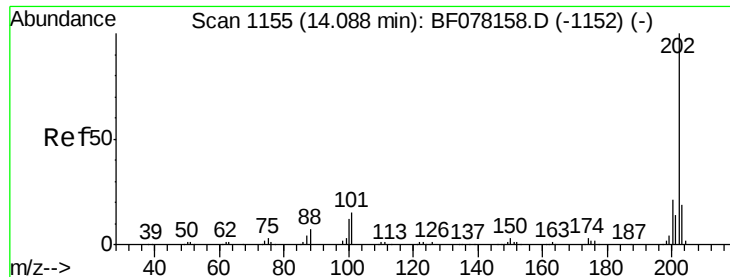
#71
Anthracene
Concen: 36.83 ng
RT: 12.48 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion:178 Resp: 276440
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 16.0 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

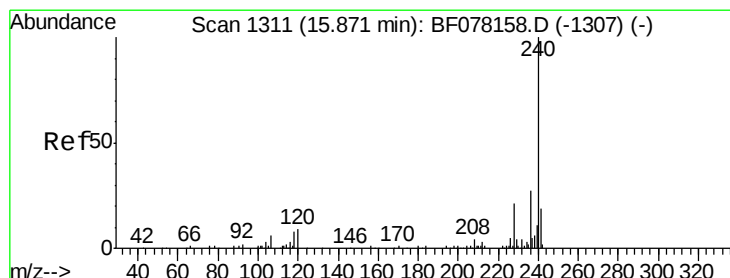
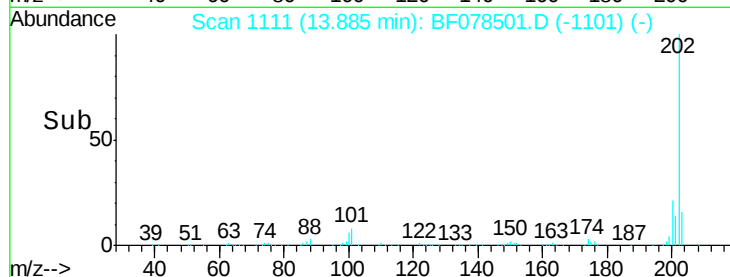
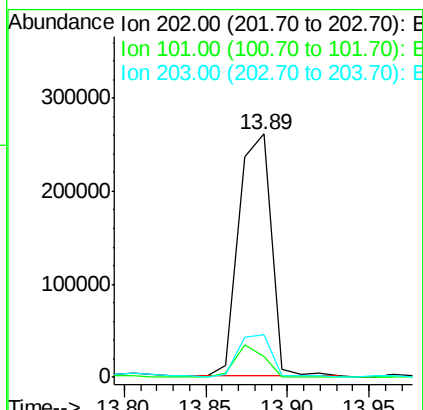
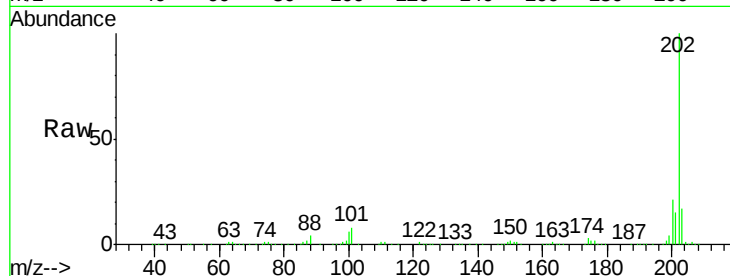




#74
Fluoranthene
Concen: 44.51 ng
RT: 13.89 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

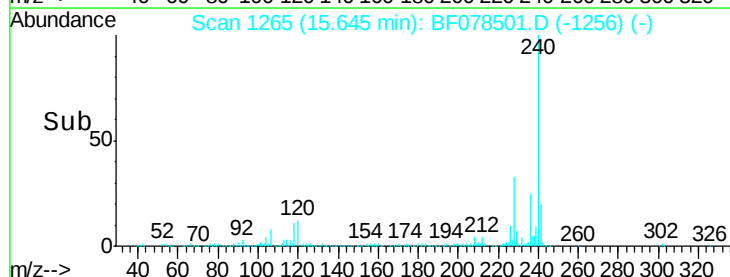
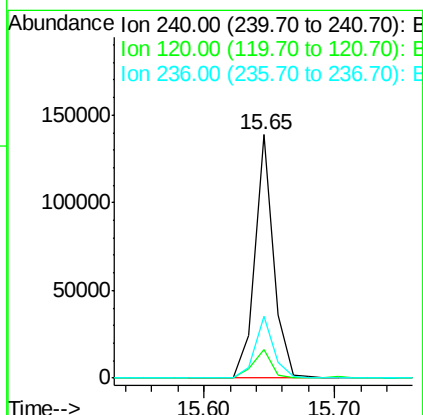
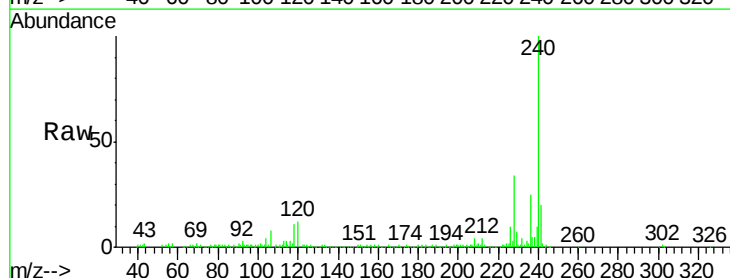
Instrument :
BNA_F
ClientSampleId :
SB-10DA

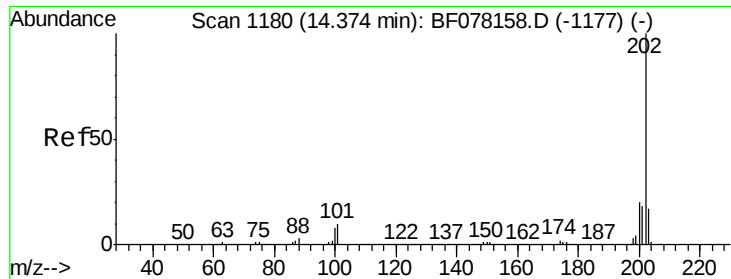
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	357552		
101	8.4	0.0	35.2	
203	17.3	0.0	38.5	



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	139641		
120	11.9	7.1	10.7#	
236	25.4	21.4	32.2	

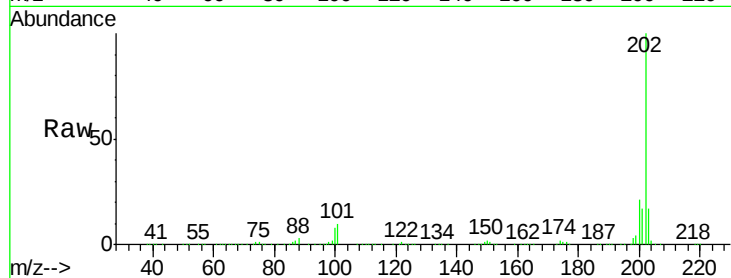




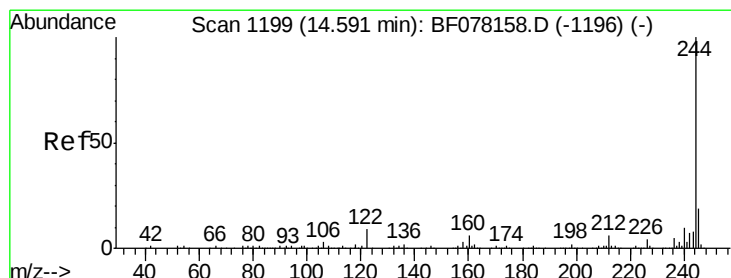
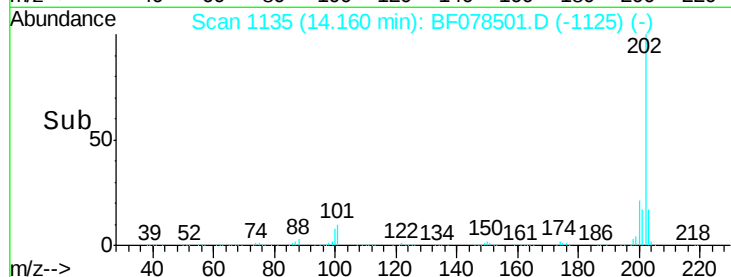
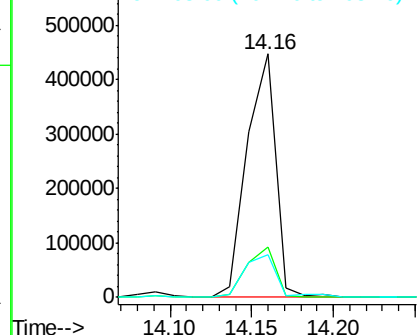
#77
 Pyrene
 Concen: 62.20 ng
 RT: 14.16 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.3	24.5
203	17.4	13.8	20.6

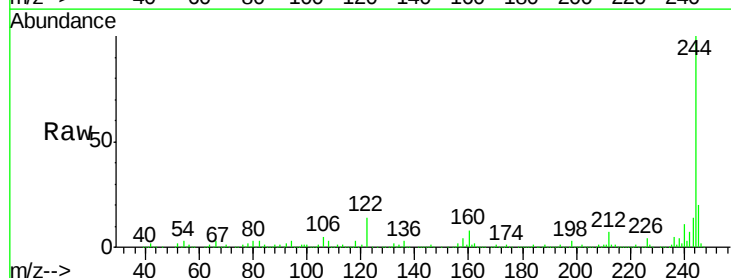


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

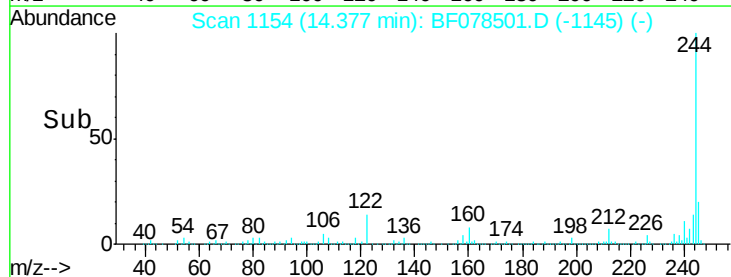
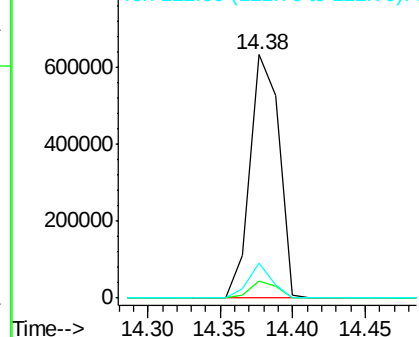


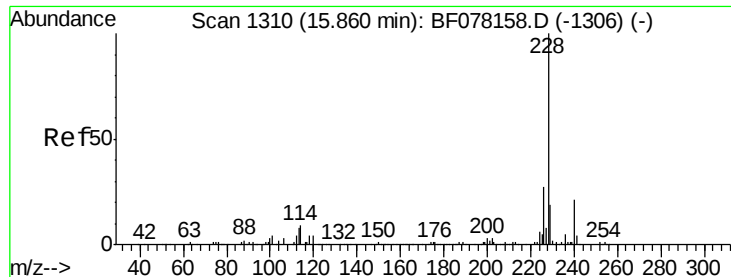
#78
 Terphenyl-d14
 Concen: 142.41 ng
 RT: 14.38 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.0	7.4
122	14.4	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: 12.29 ng

RT: 15.68 min Scan# 1268

Delta R.T. 0.05 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

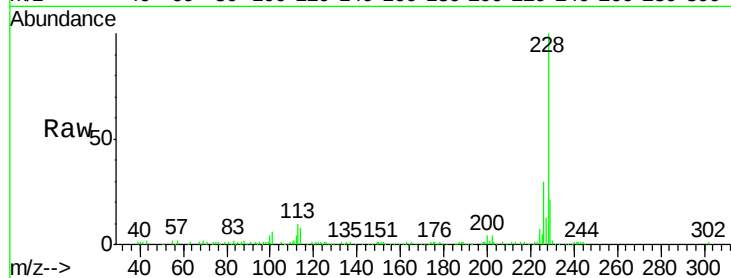
Tgt Ion:228 Resp: 102119

Ion Ratio Lower Upper

228 100

226 29.6 21.3 31.9

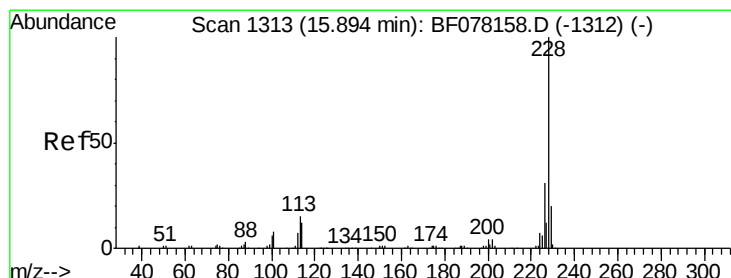
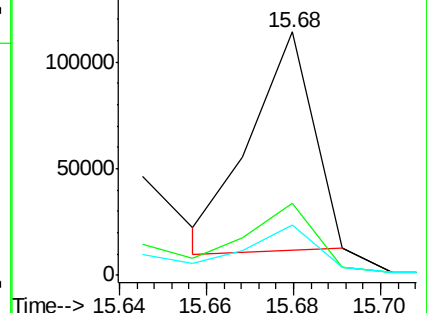
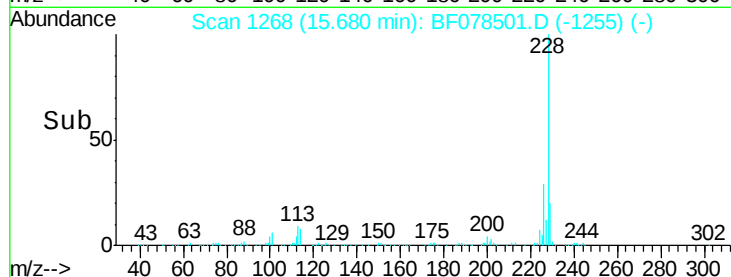
229 20.6 15.4 23.2



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: 15.91 ng

RT: 15.68 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

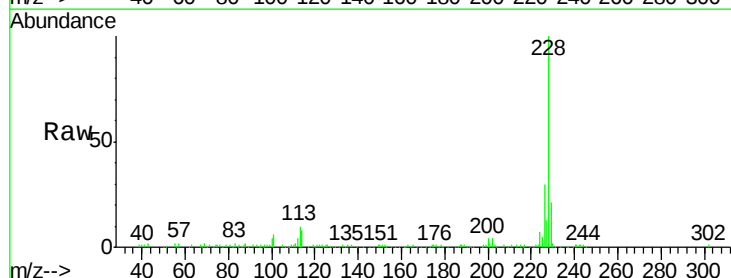
Tgt Ion:228 Resp: 124195

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

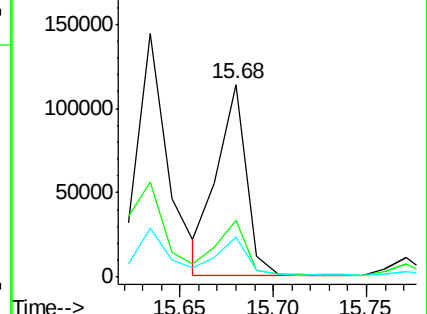
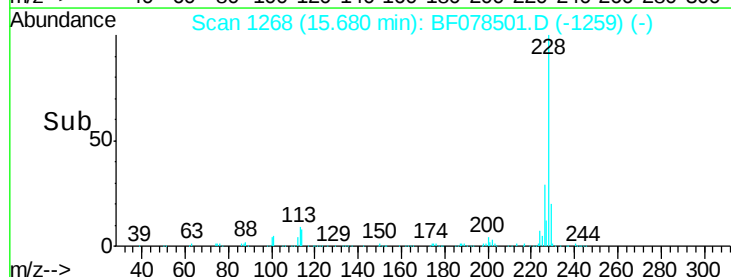
229 20.6 15.8 23.8

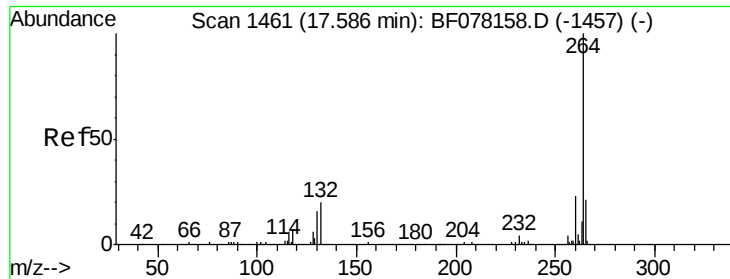


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

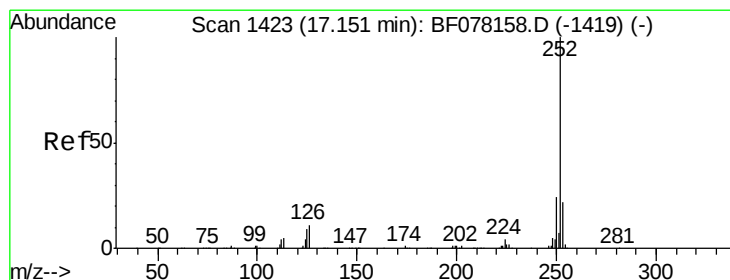
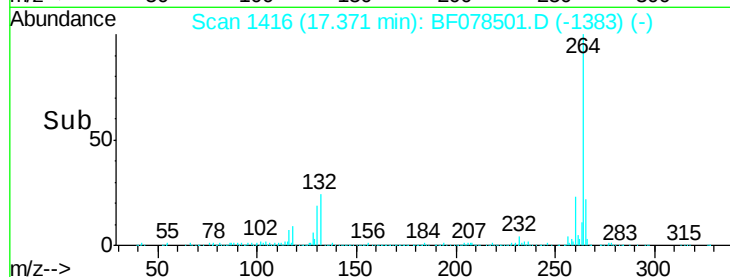
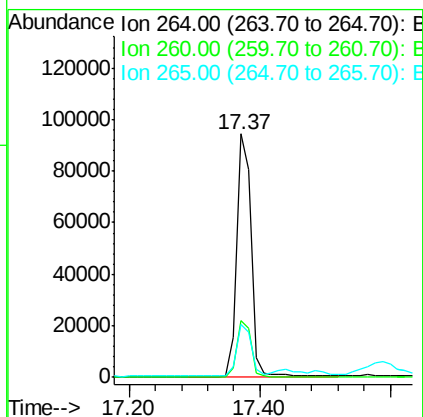
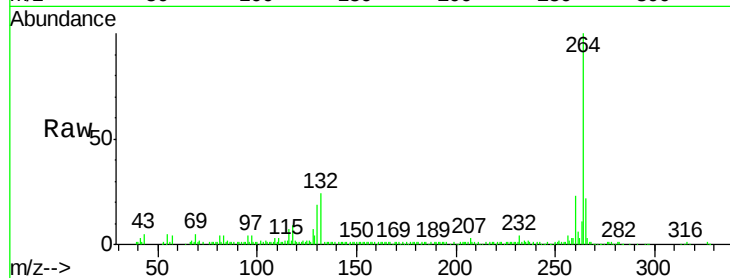




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.37 min Scan# 1416
Delta R.T. 0.08 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

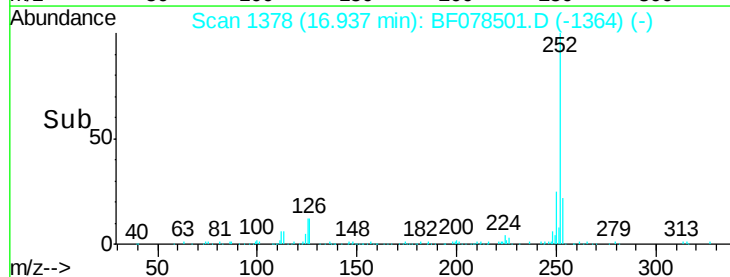
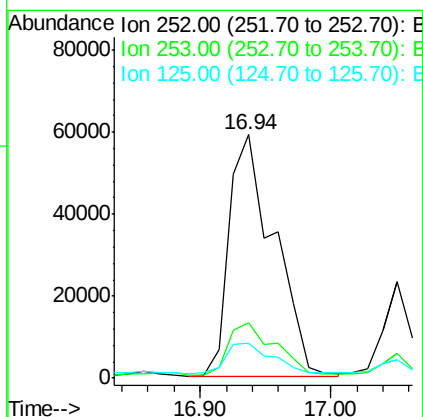
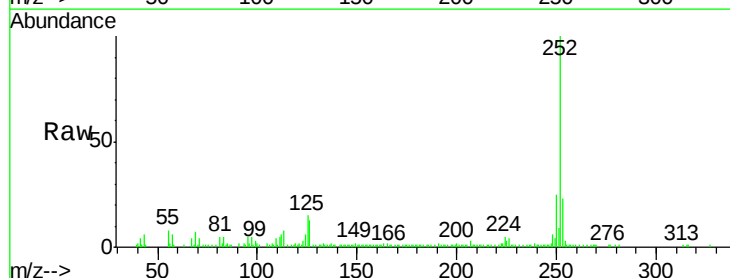
Instrument :
BNA_F
ClientSampleId :
SB-10DA

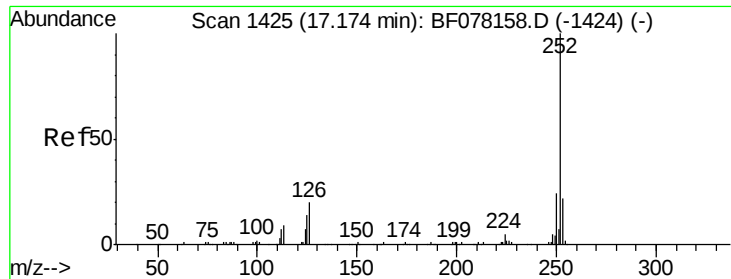
Tgt Ion:264 Resp: 143591
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.9 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 15.87 ng
RT: 16.94 min Scan# 1378
Delta R.T. 0.06 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion:252 Resp: 140833
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 14.5 7.0 10.4#

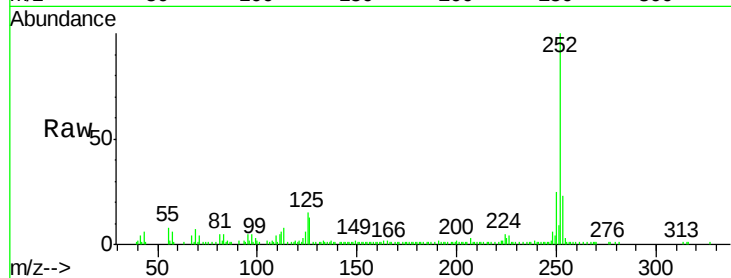




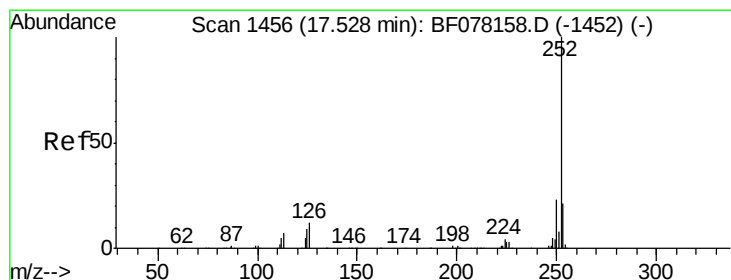
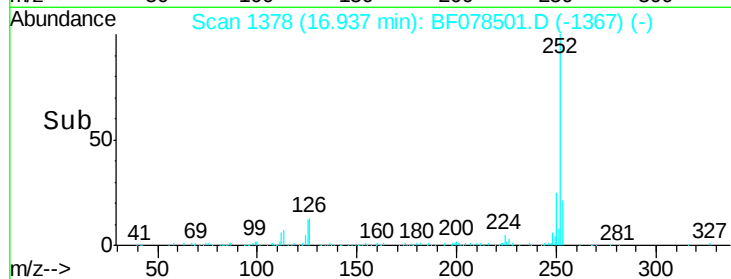
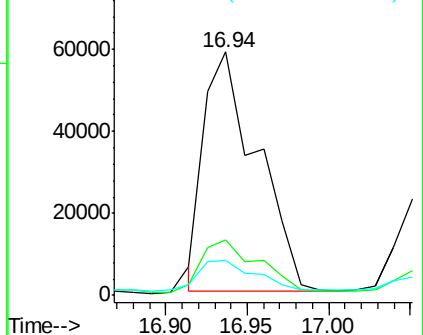
#88
Benzo(k)fluoranthene
Concen: 16.82 ng
RT: 16.94 min Scan# 1378
Delta R.T. 0.02 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampleId :
SB-10DA

Tgt Ion:252 Resp: 132617
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 14.5 11.6 17.4

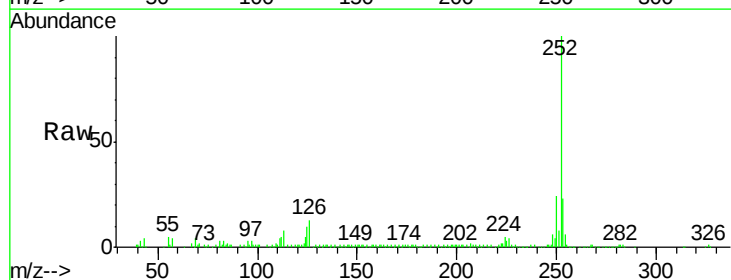


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

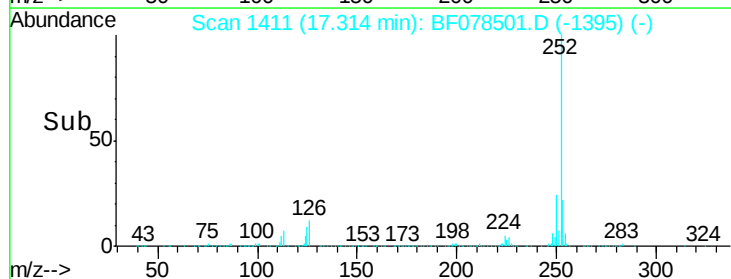
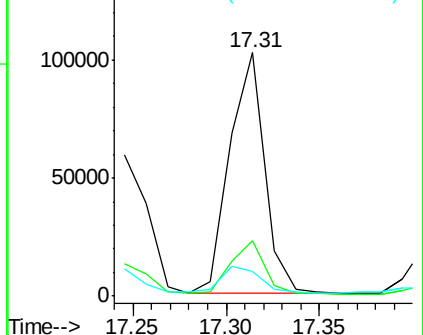


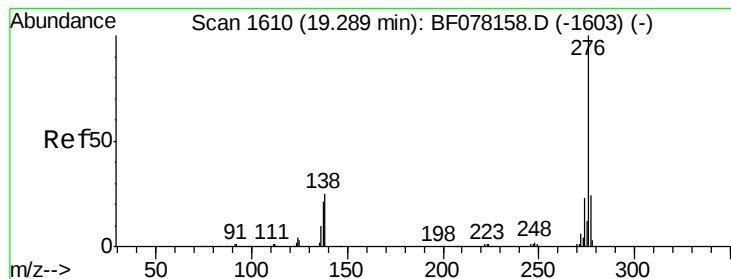
#89
Benzo(a)pyrene
Concen: 17.21 ng
RT: 17.31 min Scan# 1411
Delta R.T. 0.08 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion:252 Resp: 133283
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 10.3 7.4 11.0



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





#91

Benzo(g,h,i)perylene

Concen: 7.18 ng

RT: 18.97 min Scan# 1556

Delta R.T. 0.13 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA

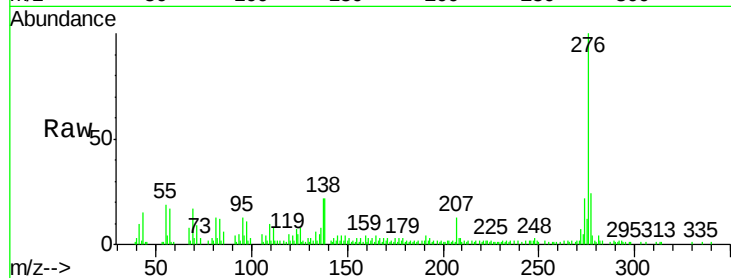
Tgt Ion: 276 Resp: 55858

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 22.0 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

