

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
 Data File : BF078993.D
 Acq On : 7 May 2015 13:56
 Operator : TP/IZ
 Sample : G2116-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54D

Quant Time: May 08 01:04:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	76979	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	313353	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	156484	20.00	ng	0.00
63) Phenanthrene-d10	12.94	188	303223	20.00	ng	0.00
75) Chrysene-d12	16.25	240	323206	20.00	ng	-0.02
86) Perylene-d12	18.07	264	346332	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	467657	104.57	ng	0.01
7) Phenol-d6	6.89	99	608301	102.91	ng	0.00
23) Nitrobenzene-d5	8.03	82	347289	63.70	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	173845	102.69	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	655621	58.37	ng	0.00
78) Terphenyl-d14	14.94	244	694149	51.42	ng	0.00

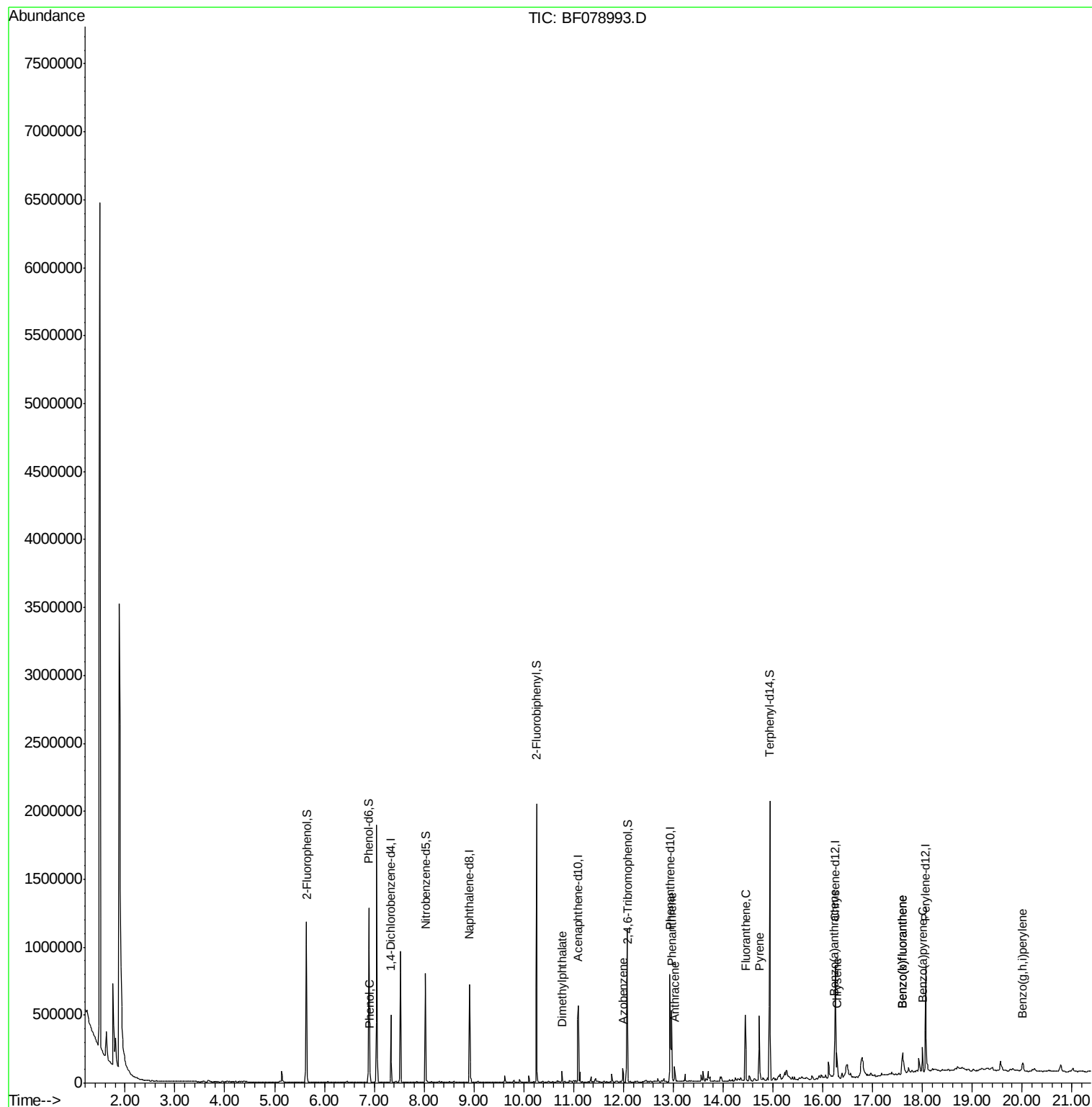
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.91	94	17034	2.48	ng	95
49) Dimethylphthalate	10.77	163	30361	2.64	ng	98
62) Azobenzene	11.99	77	23744	2.12	ng	# 1
70) Phenanthrene	12.97	178	228775	13.49	ng	98
71) Anthracene	13.03	178	48933	2.94	ng	97
74) Fluoranthene	14.45	202	231225	13.08	ng	99
77) Pyrene	14.73	202	206406	11.08	ng	98
80) Benzo(a)anthracene	16.24	228	97691	5.52	ng	99
82) Chrysene	16.29	228	79483	4.67	ng	96
87) Benzo(b)fluoranthene	17.60	252	136404	7.20	ng	100
88) Benzo(k)fluoranthene	17.60	252	138310	7.54	ng	99
89) Benzo(a)pyrene	18.00	252	78958	4.52	ng	96
91) Benzo(g,h,i)perylene	20.01	276	48391	2.60	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: 7.34 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Instrument :

BNA_F

ClientSampleId :

SB-54D

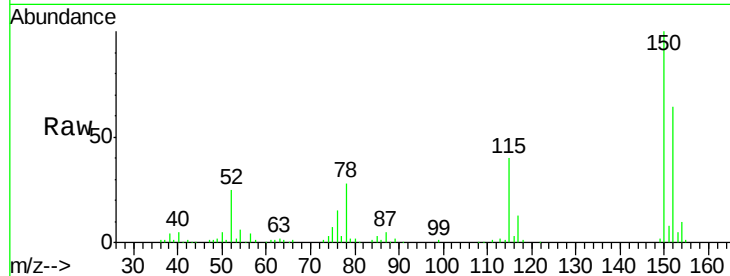
Tgt Ion:152 Resp: 76979

Ion Ratio Lower Upper

152 100

150 157.2 122.0 183.0

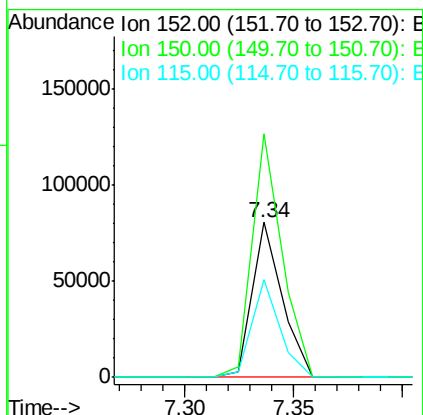
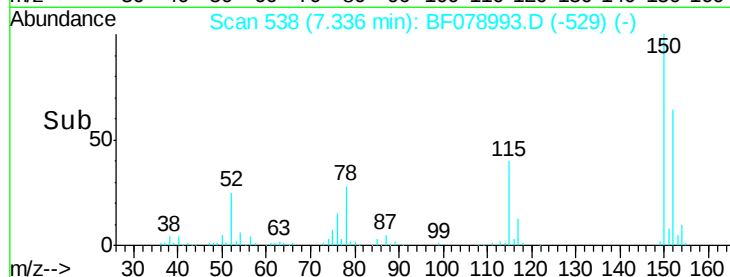
115 63.0 46.3 69.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 104.57 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

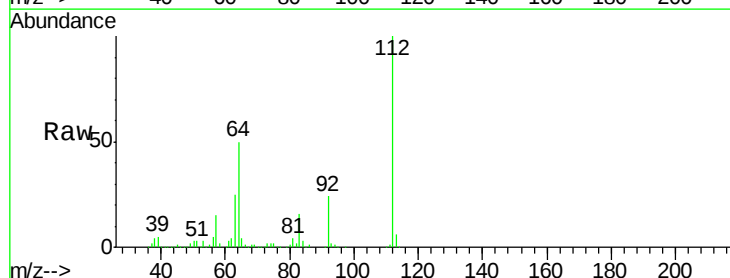
Tgt Ion:112 Resp: 467657

Ion Ratio Lower Upper

112 100

64 49.8 53.5 80.3#

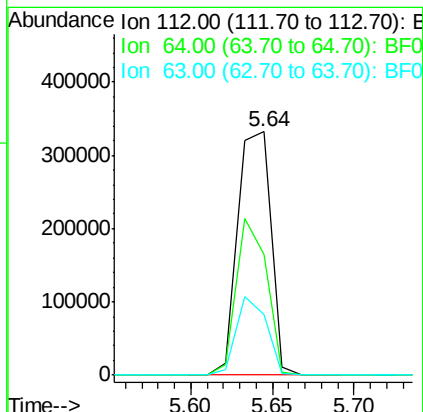
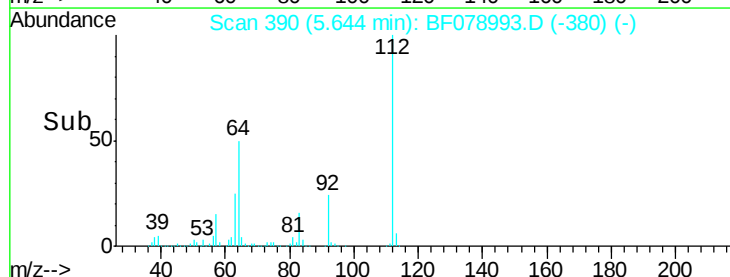
63 24.8 27.5 41.3#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.91 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Instrument :

BNA_F

ClientSampleId :

SB-54D

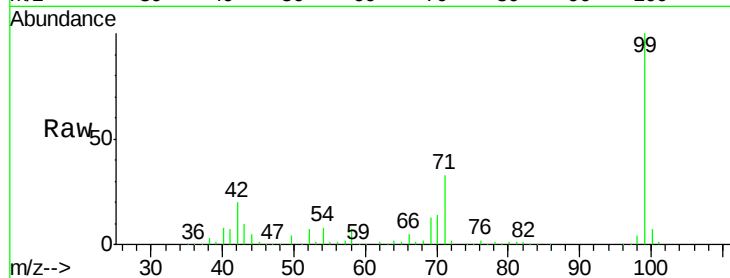
Tgt Ion: 99 Resp: 608301

Ion Ratio Lower Upper

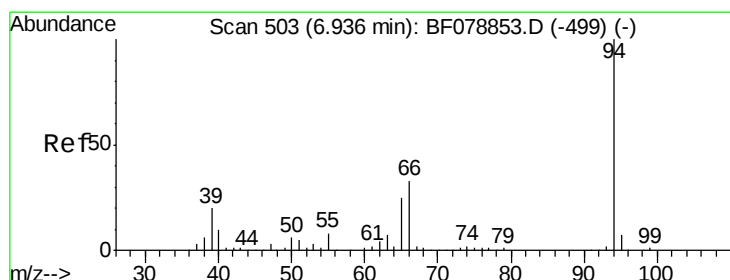
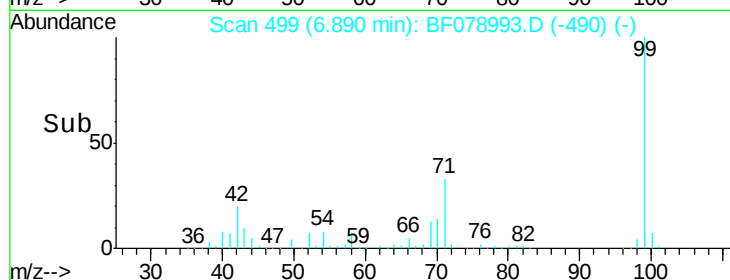
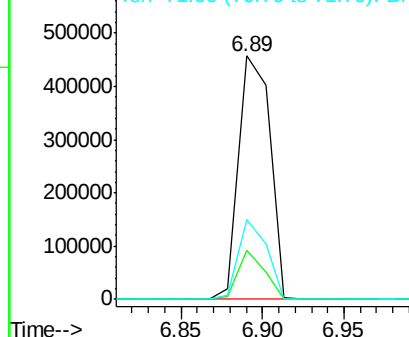
99 100

42 20.3 12.8 19.2#

71 33.0 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.48 ng

RT: 6.91 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

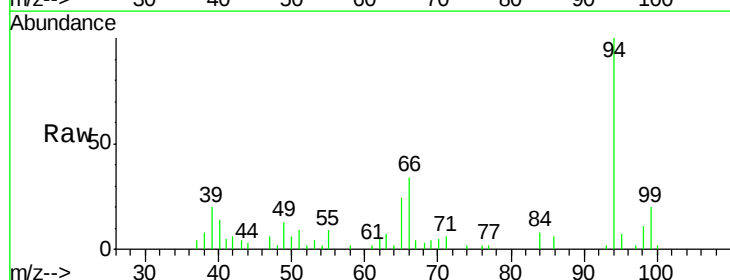
Tgt Ion: 94 Resp: 17034

Ion Ratio Lower Upper

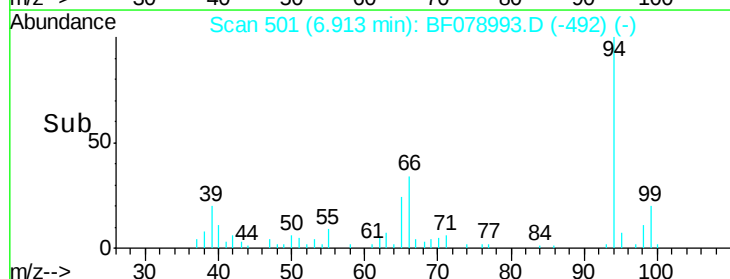
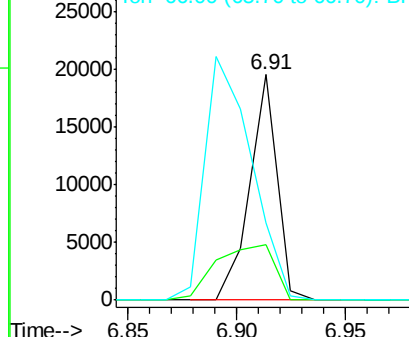
94 100

65 24.4 8.5 48.5

66 34.3 16.0 56.0



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

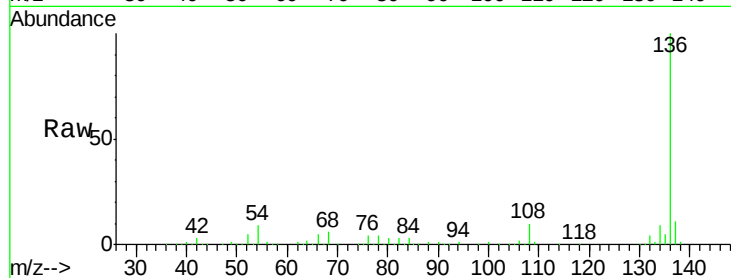




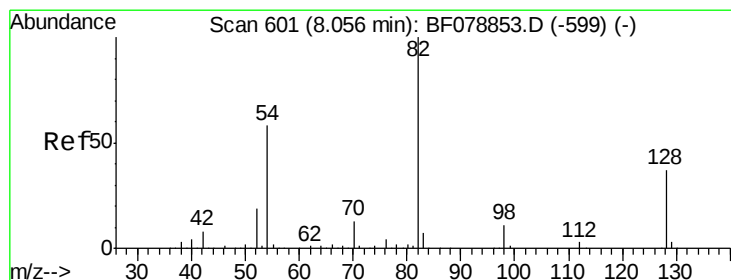
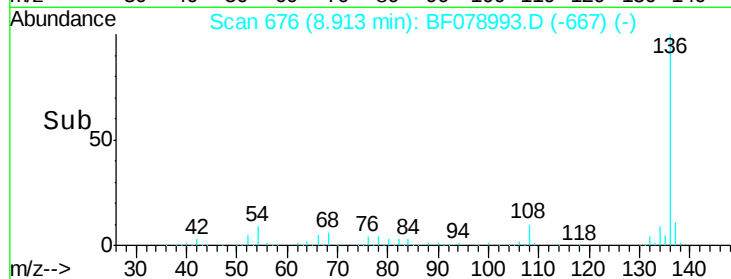
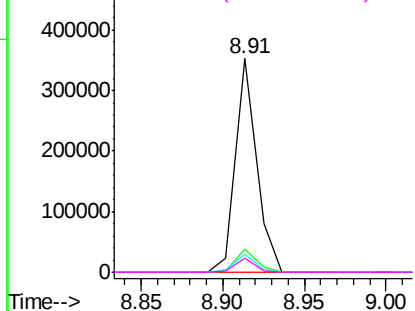
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampleId :
SB-54D

Tgt Ion: 136 Resp: 313353
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.6 5.8 8.8
68 6.4 4.2 6.4#

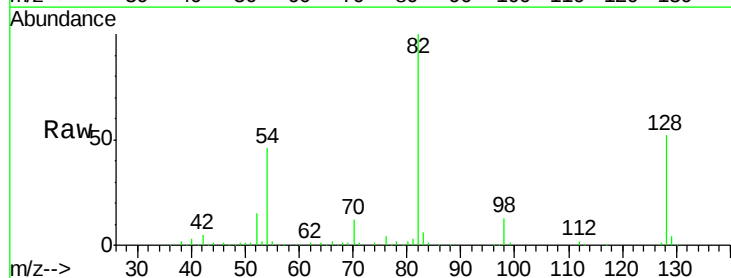


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

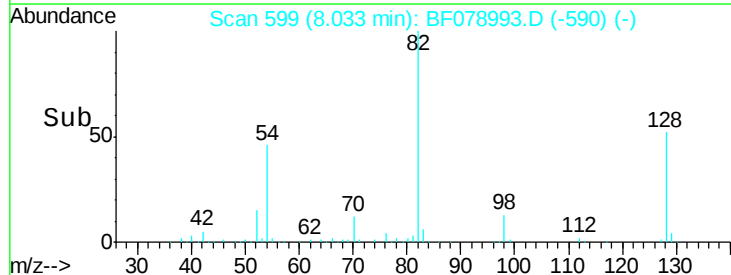
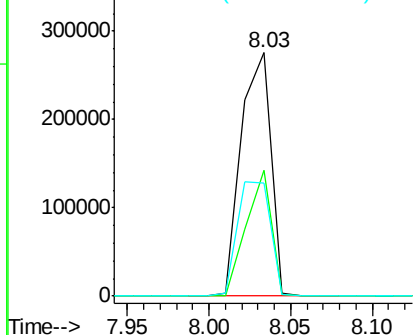


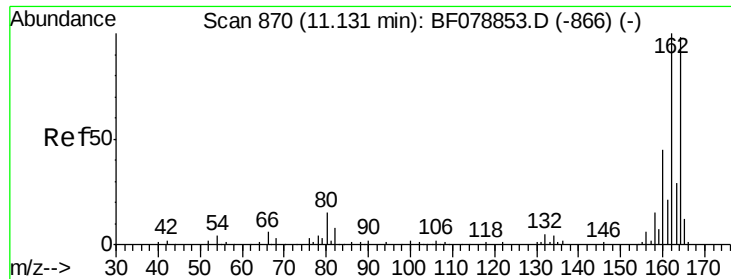
#23
Nitrobenzene-d5
Concen: 63.70 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion: 82 Resp: 347289
Ion Ratio Lower Upper
82 100
128 51.8 30.0 45.0#
54 46.3 46.4 69.6#



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

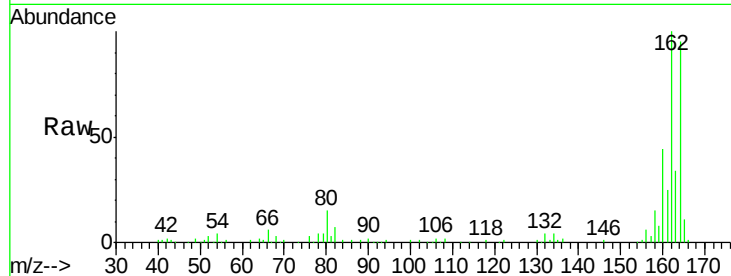




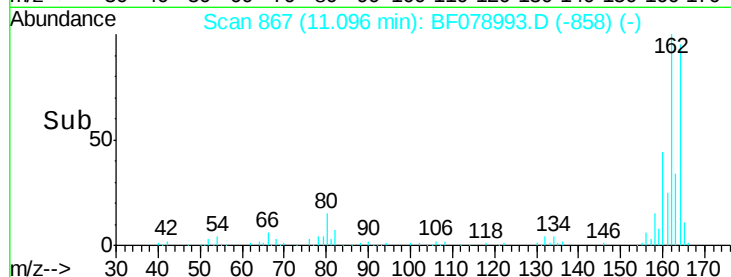
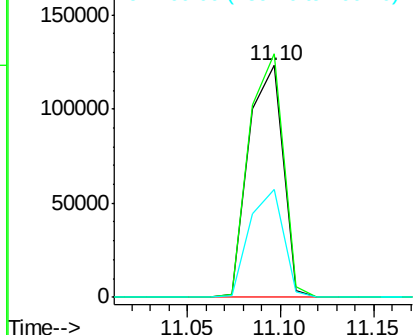
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-54D

Tgt Ion:164 Resp: 156484
 Ion Ratio Lower Upper
 164 100
 162 105.0 82.7 124.1
 160 46.7 35.8 53.8

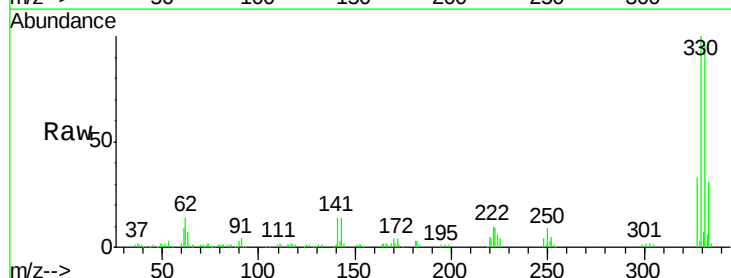


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

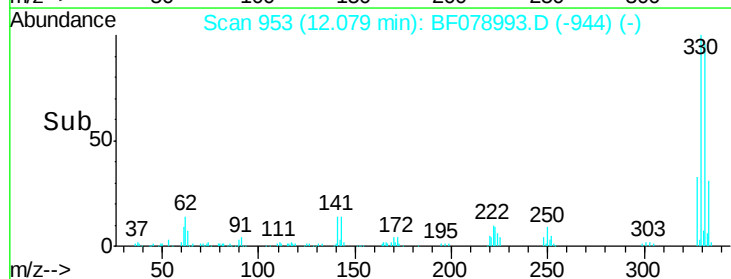
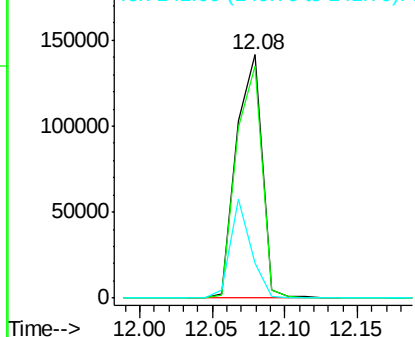


#41
 2,4,6-Tribromophenol
 Concen: 102.69 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

Tgt Ion:330 Resp: 173845
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 33.0 0.0 0.0#



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

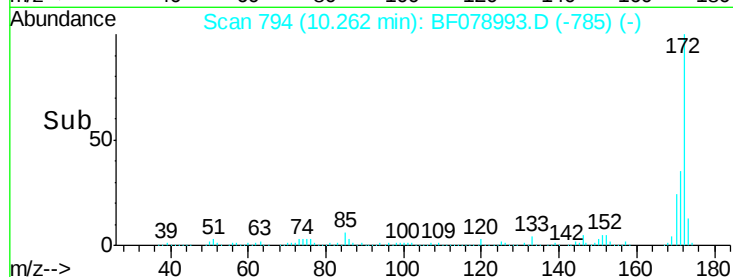
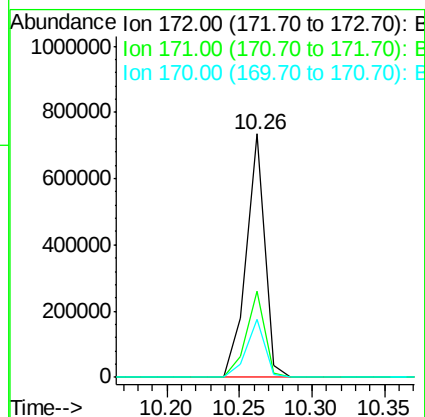
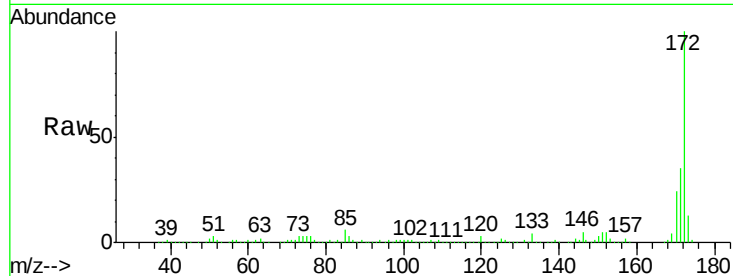




#44
2-Fluorobiphenyl
Concen: 58.37 ng
RT: 10.26 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

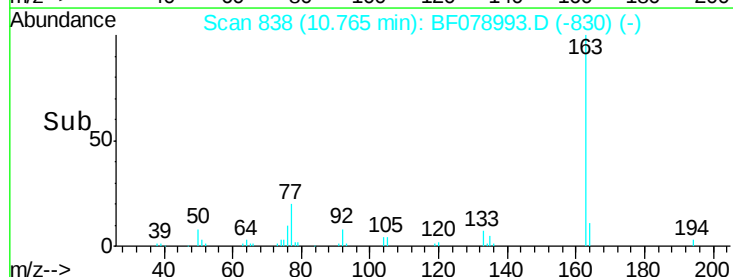
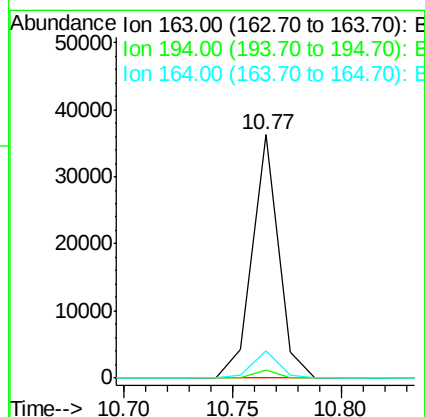
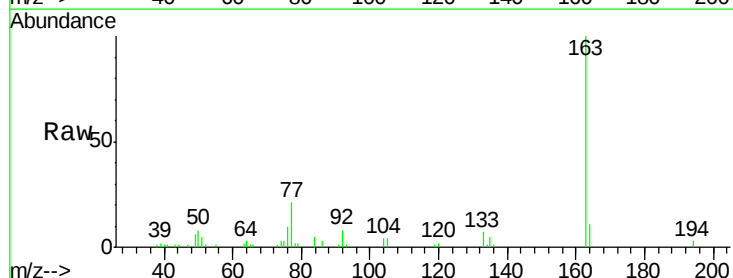
Instrument :
BNA_F
ClientSampleId :
SB-54D

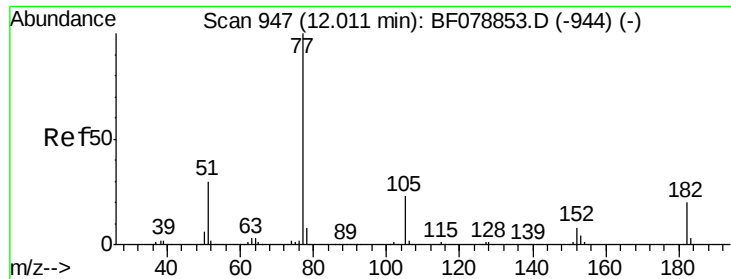
Tgt Ion:172 Resp: 655621
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.8 19.4 29.0



#49
Dimethylphthalate
Concen: 2.64 ng
RT: 10.77 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion:163 Resp: 30361
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 11.2 8.1 12.1





#62

Azobenzene

Concen: 2.12 ng

RT: 11.99 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Instrument :

BNA_F

ClientSampled :

SB-54D

Tgt Ion: 77 Resp: 23744

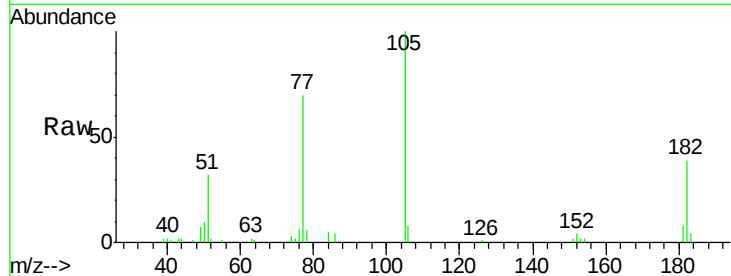
Ion Ratio Lower Upper

77 100

182 56.1 3.8 43.8#

105 143.2 3.9 43.9#

51 45.4 10.8 50.8

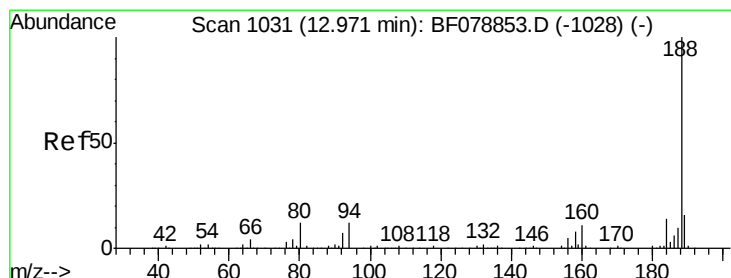
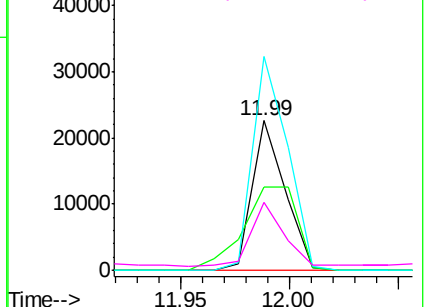
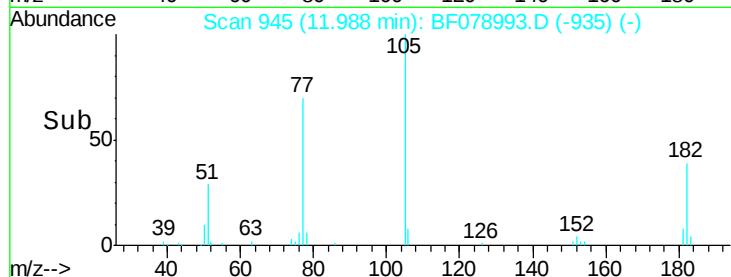


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.94 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

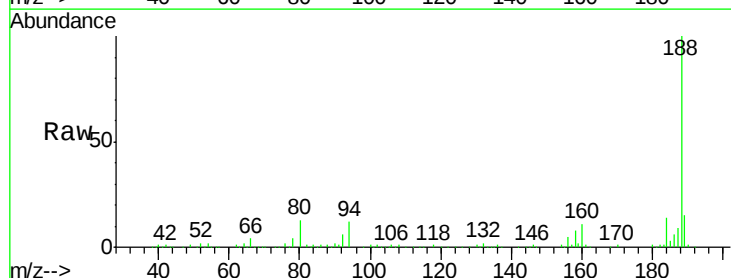
Tgt Ion: 188 Resp: 303223

Ion Ratio Lower Upper

188 100

94 11.5 8.2 12.2

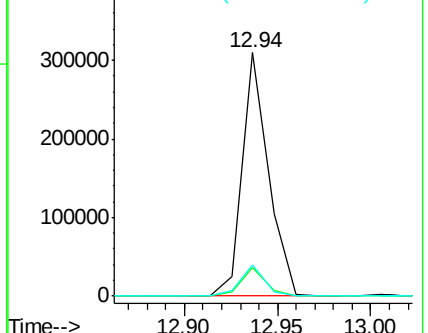
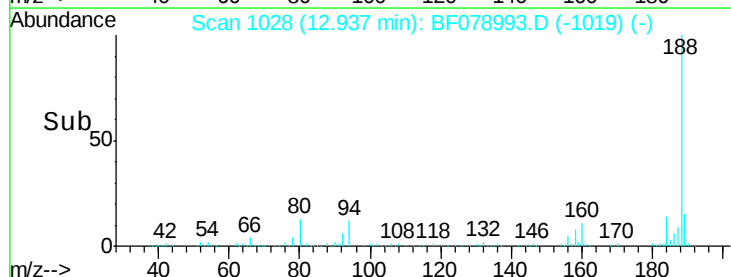
80 12.7 8.9 13.3

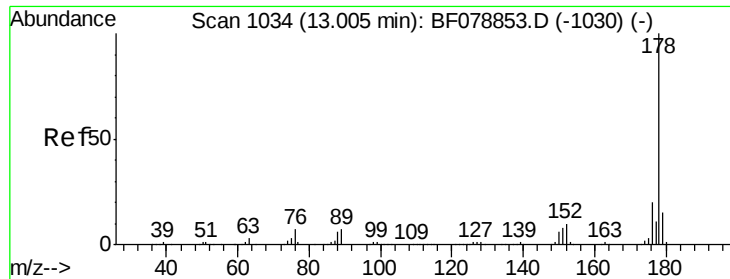


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

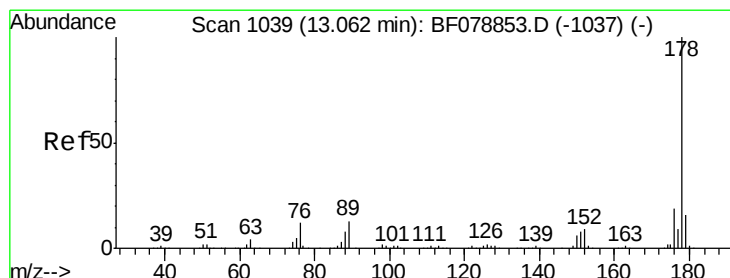
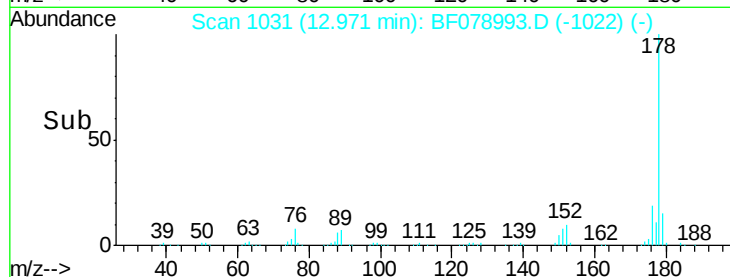
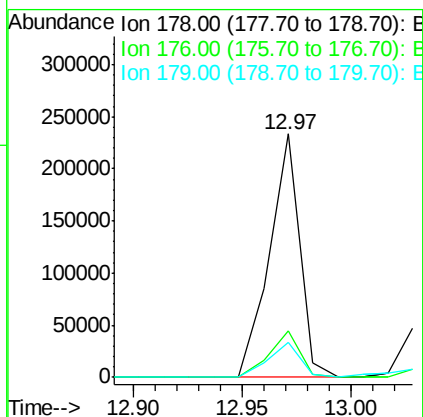
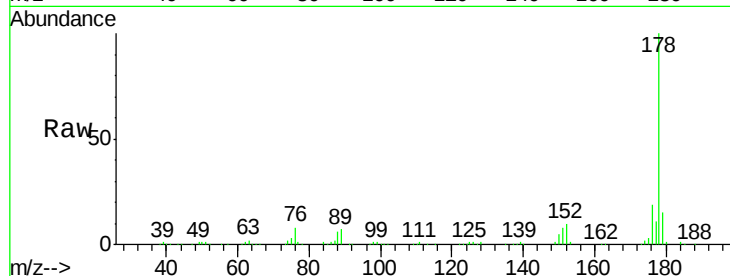




#70
Phenanthrene
Concen: 13.49 ng
RT: 12.97 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

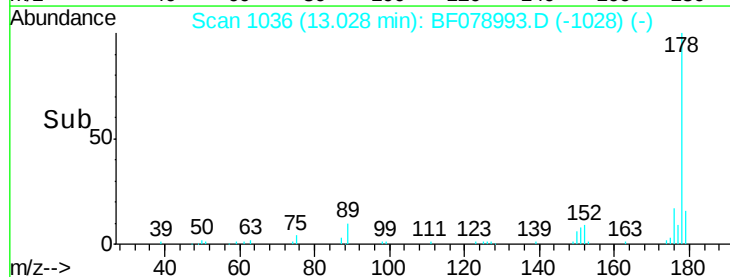
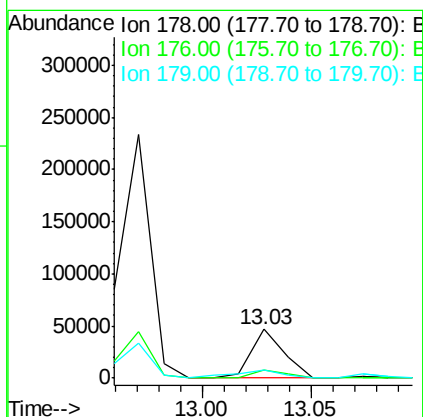
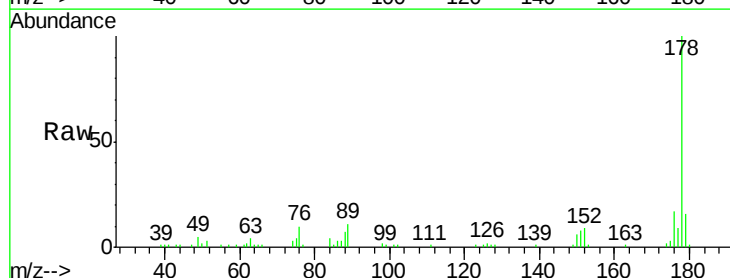
Instrument :
BNA_F
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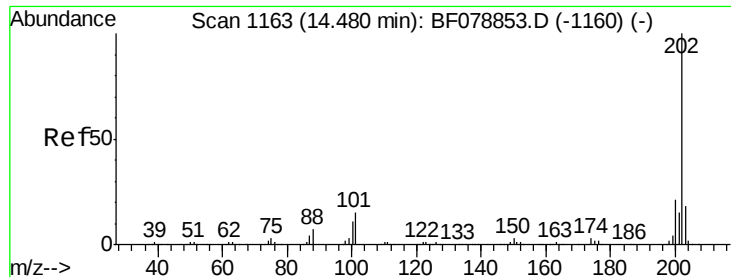
Tgt Ion:178 Resp: 228775
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 14.6 12.5 18.7



#71
Anthracene
Concen: 2.94 ng
RT: 13.03 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion:178 Resp: 48933
Ion Ratio Lower Upper
178 100
176 17.3 15.5 23.3
179 16.0 12.7 19.1

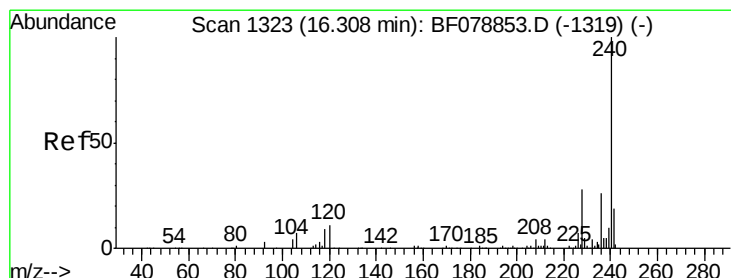
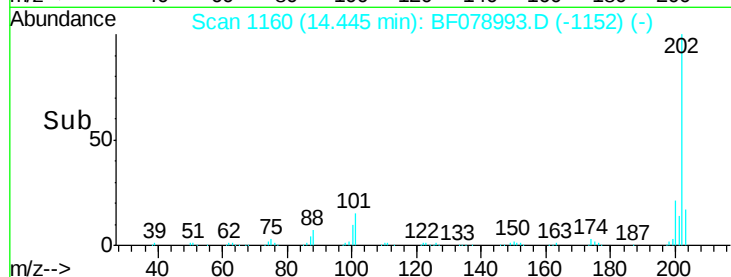
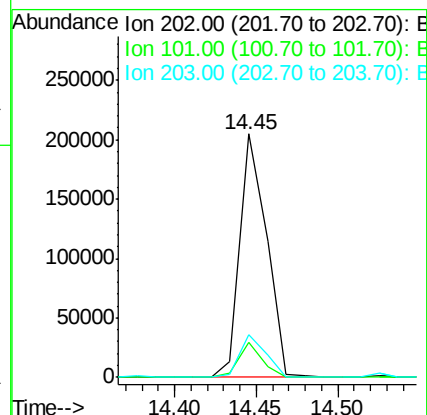
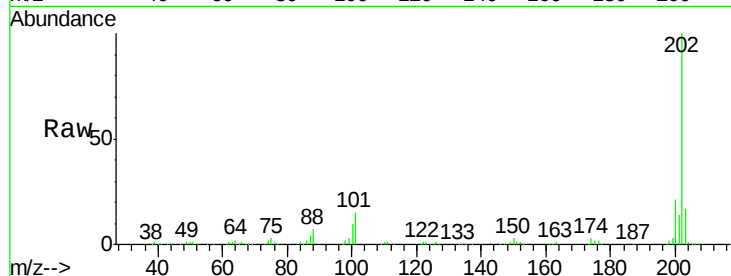




#74
Fluoranthene
Concen: 13.08 ng
RT: 14.45 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

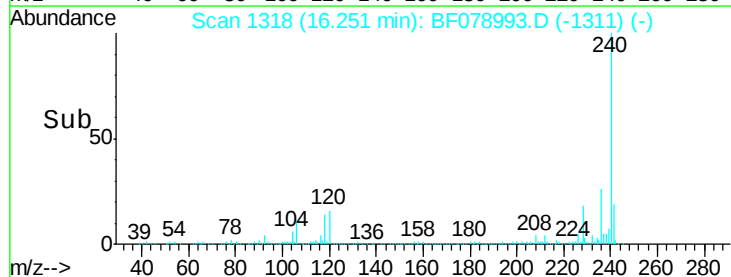
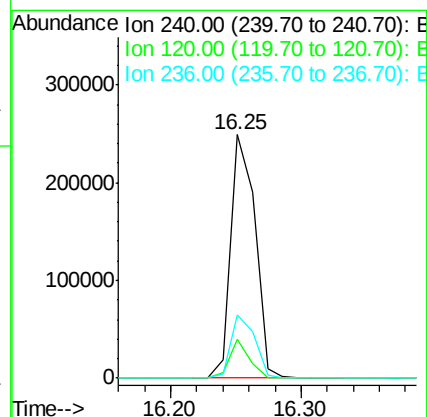
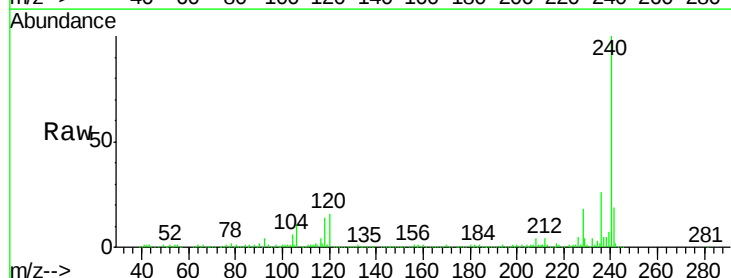
Instrument :
BNA_F
ClientSampleId :
SB-54D

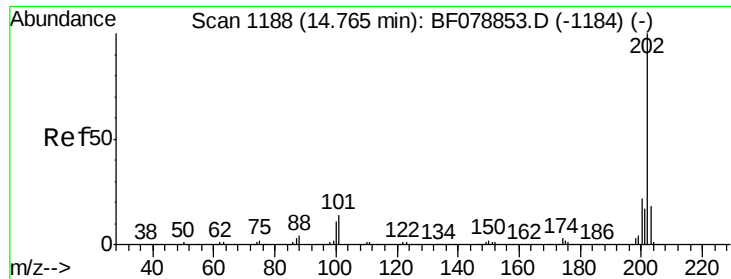
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.6
203	17.4	0.0	38.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.1	9.7	14.5#
236	25.9	20.2	30.4

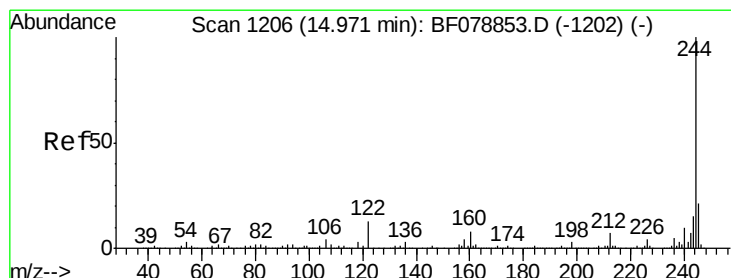
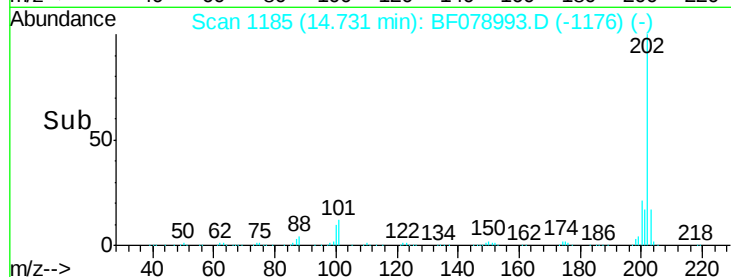
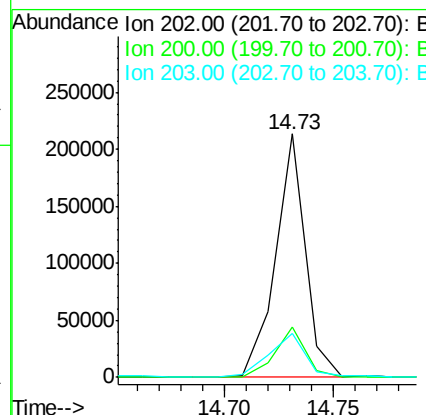
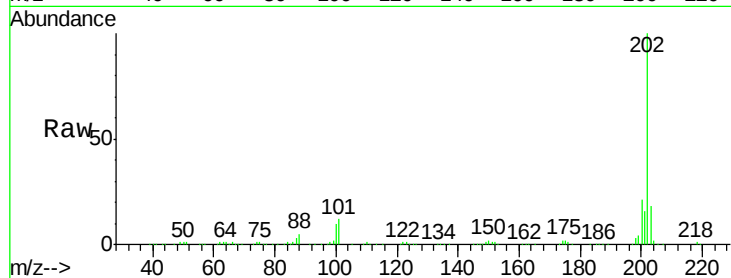




#77
 Pyrene
 Concen: 11.08 ng
 RT: 14.73 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

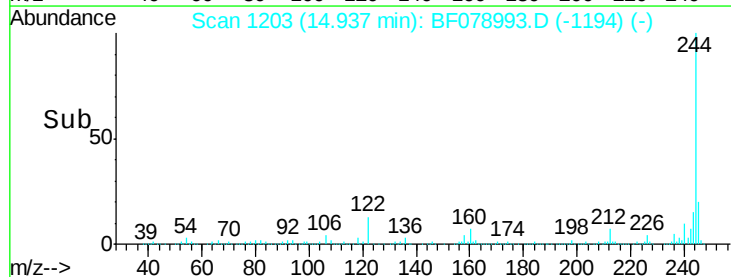
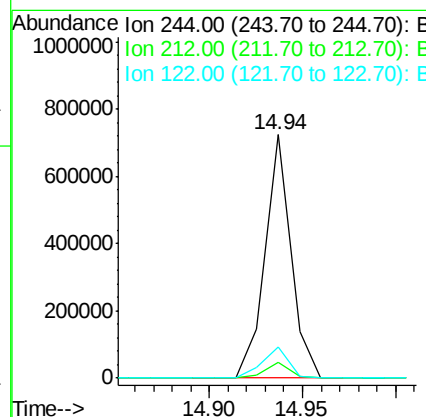
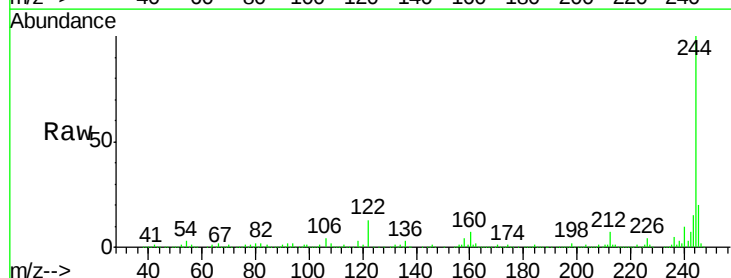
Instrument :
 BNA_F
 ClientSampled :
 SB-54D

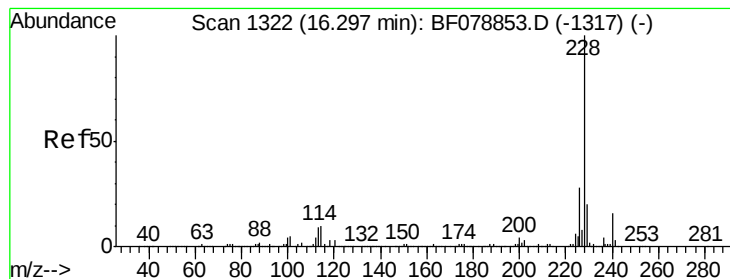
Tgt Ion: 202 Resp: 206406
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.5 26.3
 203 18.0 13.9 20.9



#78
 Terphenyl-d14
 Concen: 51.42 ng
 RT: 14.94 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

Tgt Ion: 244 Resp: 694149
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 12.8 10.3 15.5





#80

Benzo(a)anthracene

Concen: 5.52 ng

RT: 16.24 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Instrument :

BNA_F

ClientSampled :

SB-54D

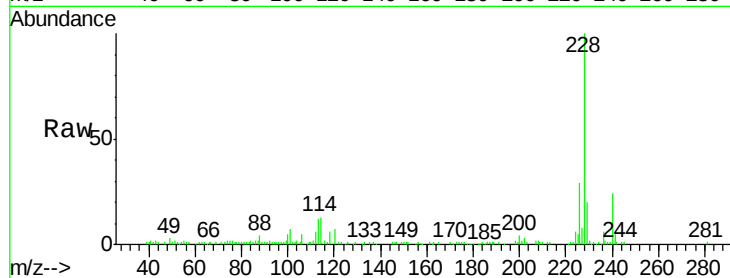
Tgt Ion:228 Resp: 97691

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

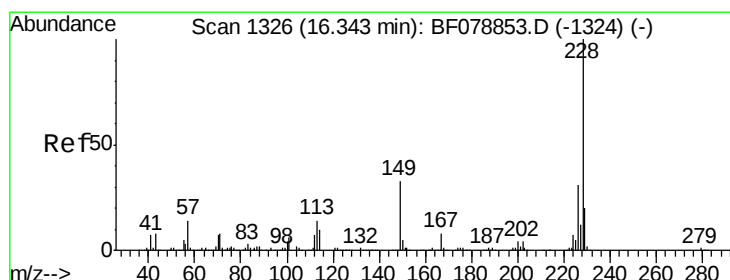
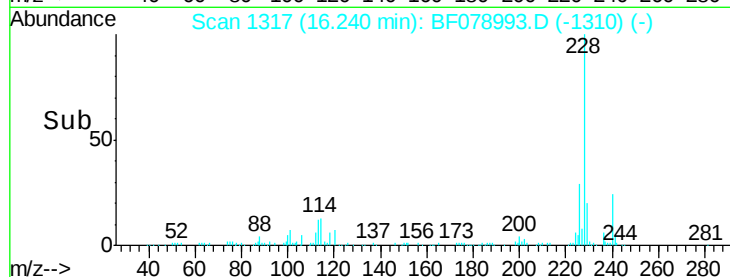
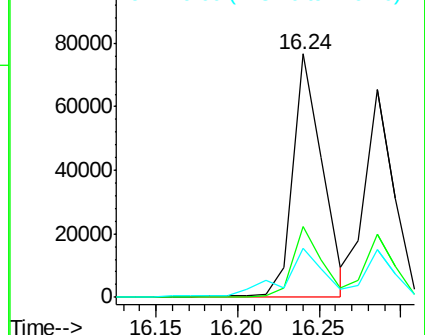
229 20.4 15.9 23.9



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: 4.67 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

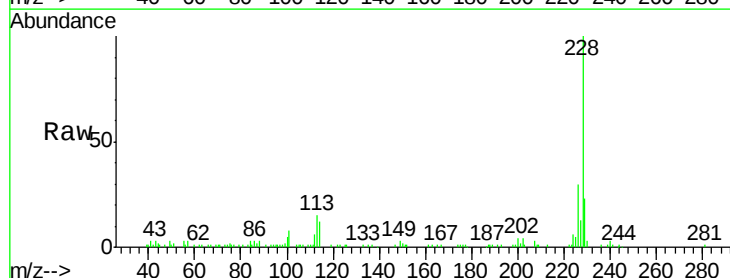
Tgt Ion:228 Resp: 79483

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

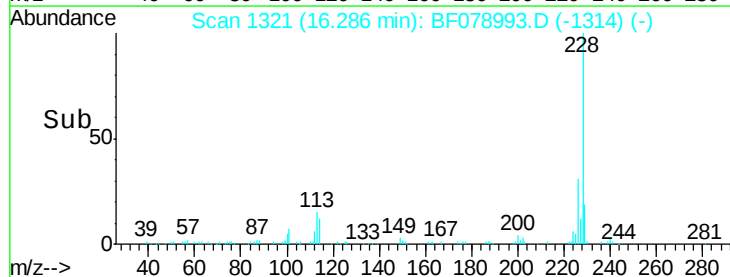
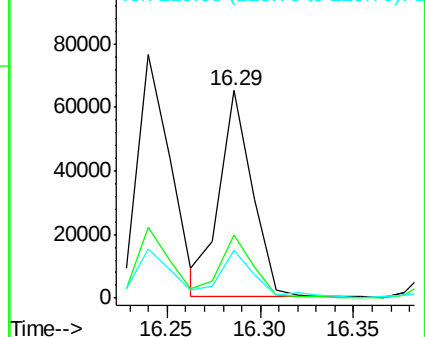
229 23.1 16.0 24.0

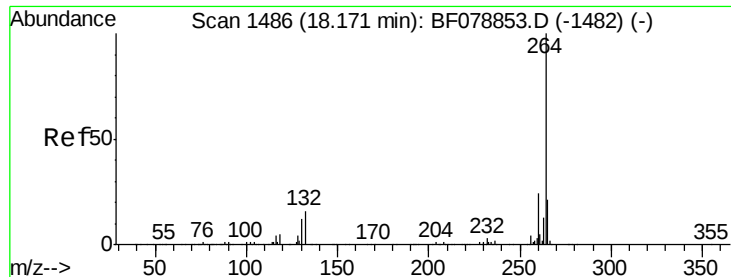


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

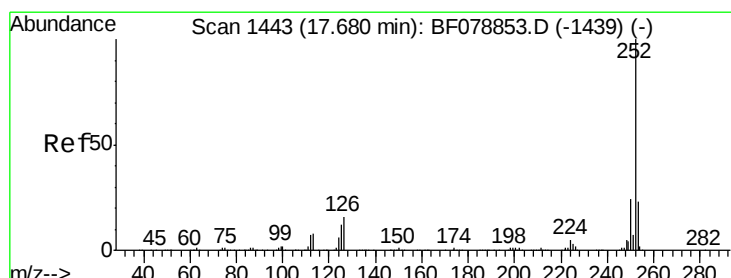
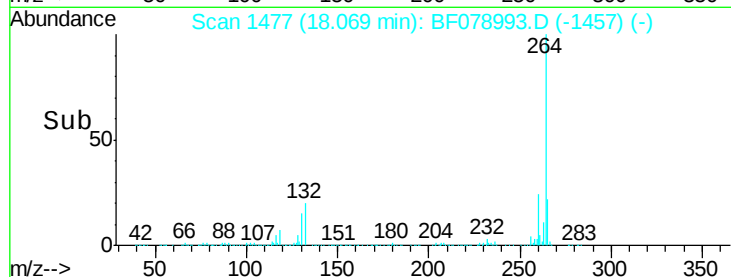
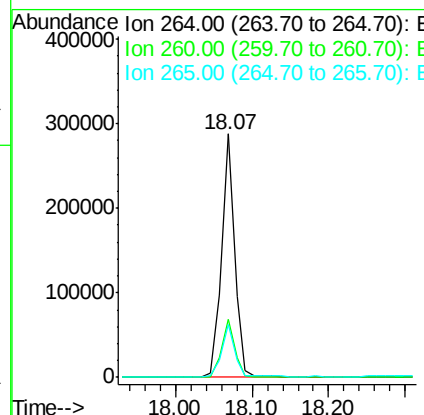
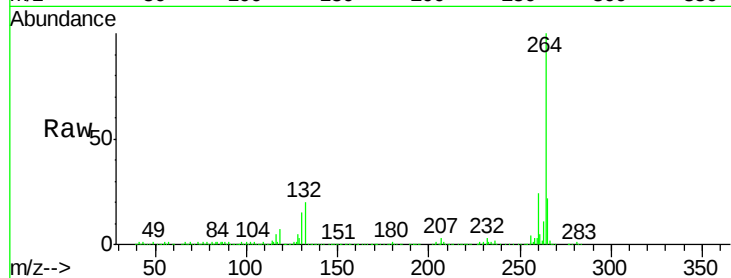




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.07 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

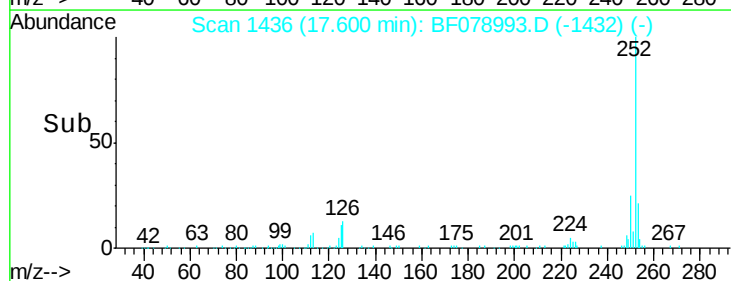
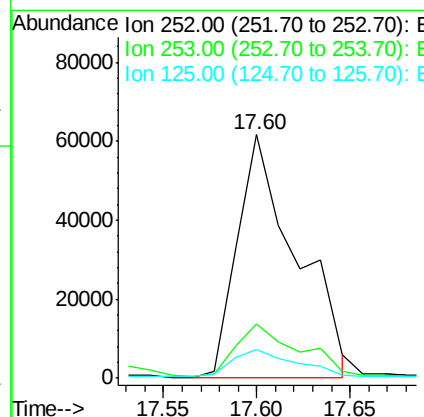
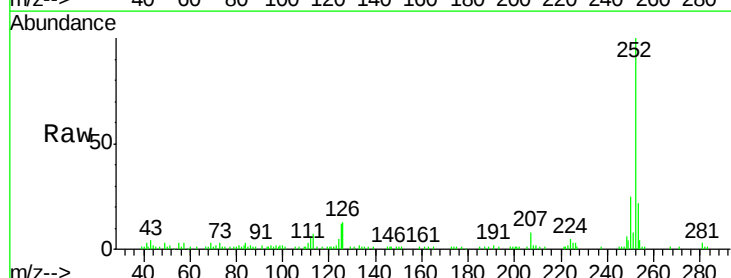
Instrument :
BNA_F
ClientSampleId :
SB-54D

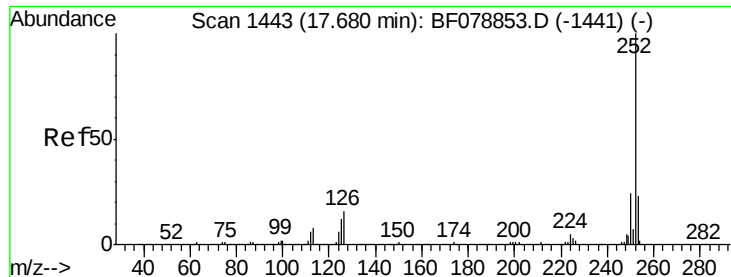
Tgt Ion: 264 Resp: 346332
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.6 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 7.20 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.06 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion: 252 Resp: 136404
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.7 9.5 14.3





#88

Benzo(k)fluoranthene

Concen: 7.54 ng

RT: 17.60 min Scan# 1436

Delta R.T. -0.09 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

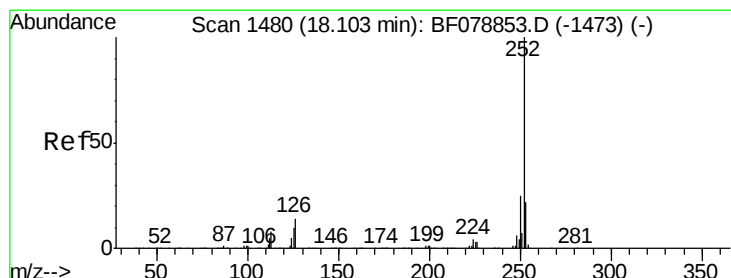
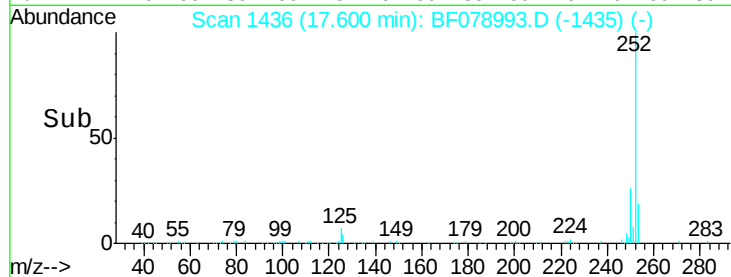
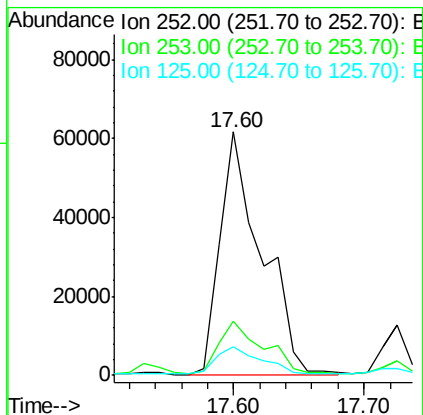
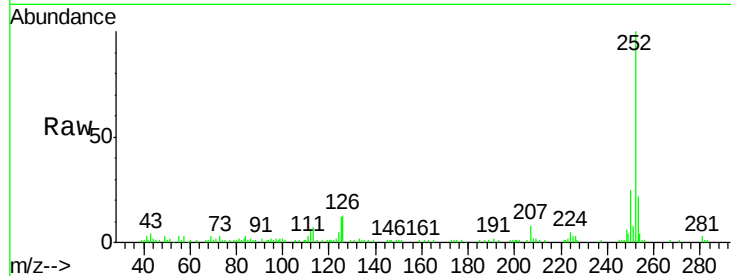
Instrument :

BNA_F

ClientSampleId :

SB-54D

Tgt Ion:	252	Resp:	138310
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.7	10.0	15.0



#89

Benzo(a)pyrene

Concen: 4.52 ng

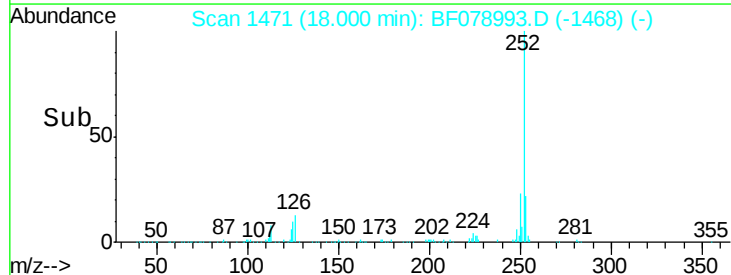
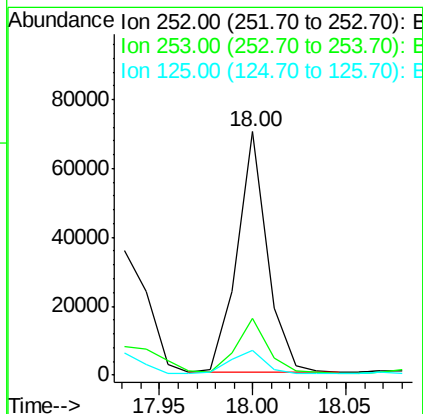
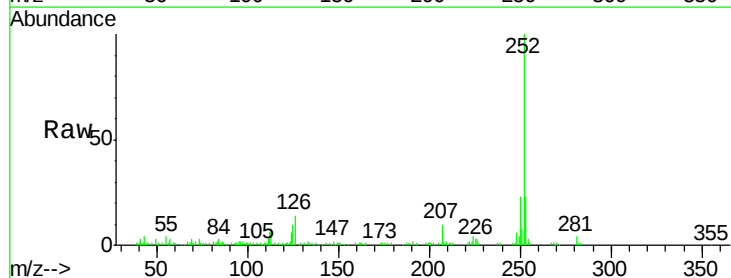
RT: 18.00 min Scan# 1471

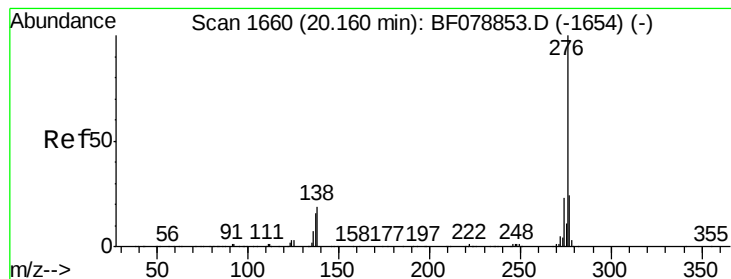
Delta R.T. -0.07 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Tgt Ion:	252	Resp:	78958
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	10.2	7.0	10.6





#91

Benzo(g,h,i)perylene

Concen: 2.60 ng

RT: 20.01 min Scan# 1647

Delta R.T. -0.09 min

Lab File: BF078993.D

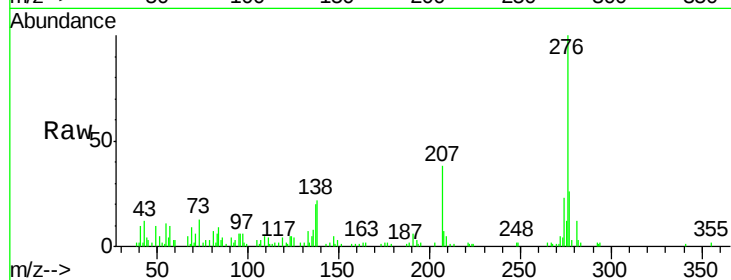
Acq: 7 May 2015 13:56

Instrument :

BNA_F

ClientSampleId :

SB-54D



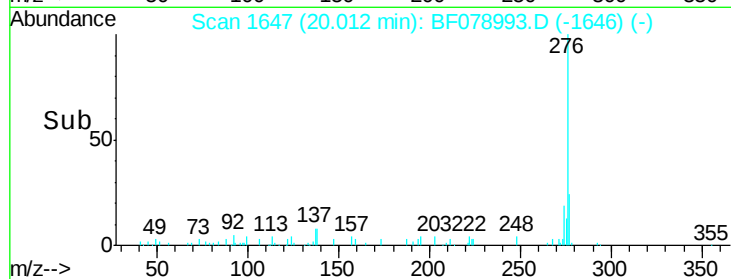
Tgt Ion: 276 Resp: 48391

Ion Ratio Lower Upper

276 100

277 25.8 18.6 28.0

138 21.7 17.4 26.0



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

