

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079193.D
 Acq On : 13 May 2015 10:43
 Operator : TP/IZ
 Sample : G2176-13DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 13 13:27:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 13:12:37 2015
 Response via : Initial Calibration

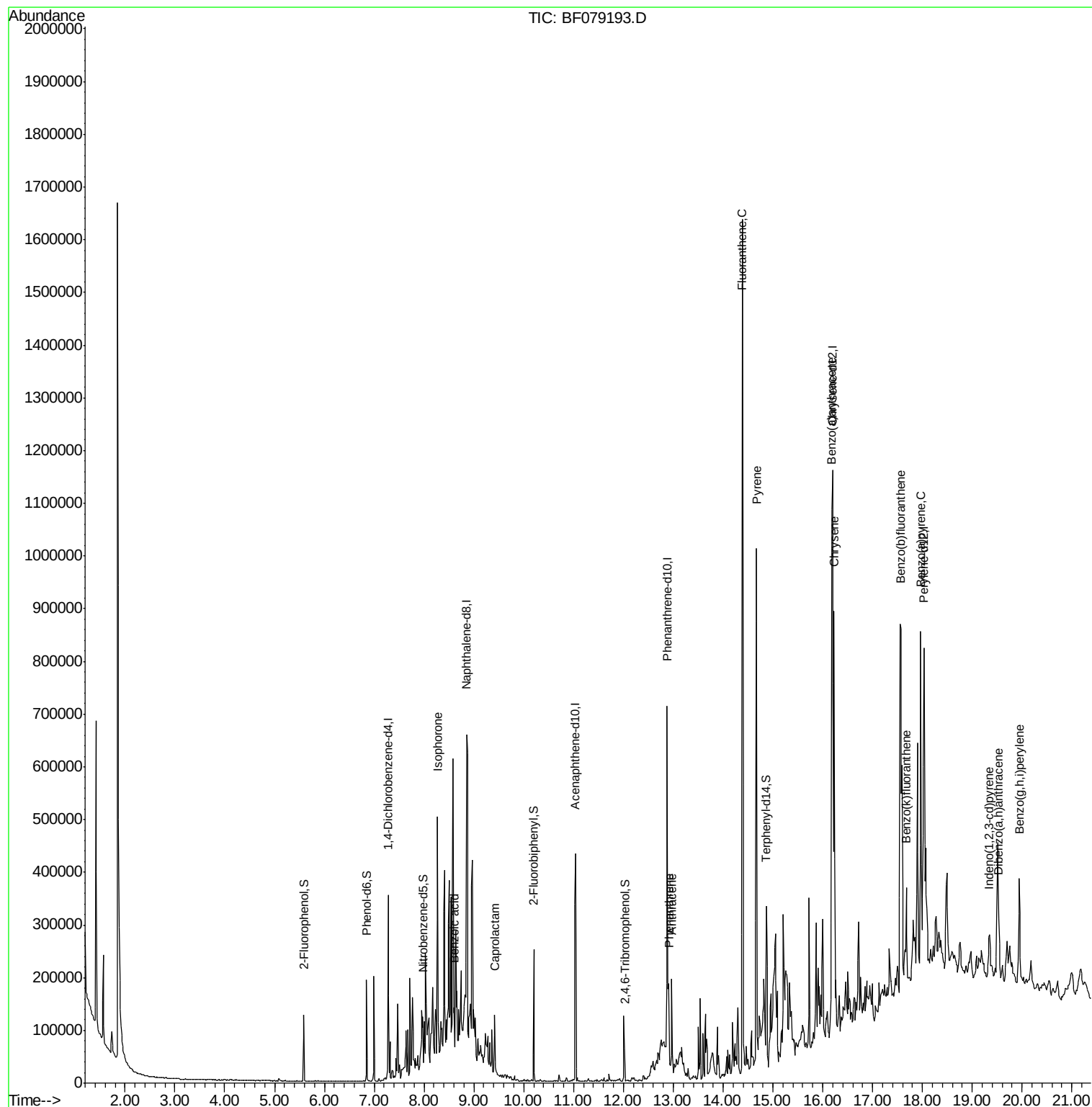
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	59323	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	243041	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	120843	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	243519	20.00	ng	0.00
75) Chrysene-d12	16.19	240	255480	20.00	ng	0.02
86) Perylene-d12	18.03	264	262275	20.00	ng	0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	47527	13.79	ng	0.00
7) Phenol-d6	6.84	99	66625	14.63	ng	0.00
23) Nitrobenzene-d5	7.98	82	38068	9.00	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	17040	13.03	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	79474	9.16	ng	0.00
78) Terphenyl-d14	14.87	244	95116	8.91	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	8.27	82	21776	2.78	ng	# 1
32) Benzoic acid	8.60	122	831	6.64	ng	# 1
35) Caprolactam	9.42	113	2434	2.44	ng	# 55
70) Phenanthrene	12.91	178	74536	5.47	ng	98
71) Anthracene	12.97	178	69290	5.18	ng	97
74) Fluoranthene	14.39	202	718457	50.61	ng	100
77) Pyrene	14.67	202	536746	36.46	ng	99
80) Benzo(a)anthracene	16.18	228	474692	33.93	ng	99
82) Chrysene	16.23	228	353260	26.25	ng	97
85) Indeno(1,2,3-cd)pyrene	19.35	276	43272	2.52	ng	# 100
87) Benzo(b)fluoranthene	17.57	252	662719	46.16	ng	100
88) Benzo(k)fluoranthene	17.68	252	70335	5.06	ng	# 89
89) Benzo(a)pyrene	17.97	252	299057	22.62	ng	# 95
90) Dibenzo(a,h)anthracene	19.53	278	57433	4.09	ng	# 91
91) Benzo(a,h,i)perylene	19.94	276	158748	11.27	ng	97

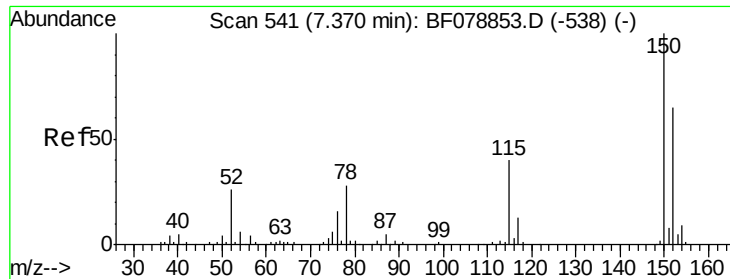
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079193.D
Acq On : 13 May 2015 10:43
Operator : TP/IZ
Sample : G2176-13DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 13 13:27:56 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 13:12:37 2015
Response via : Initial Calibration



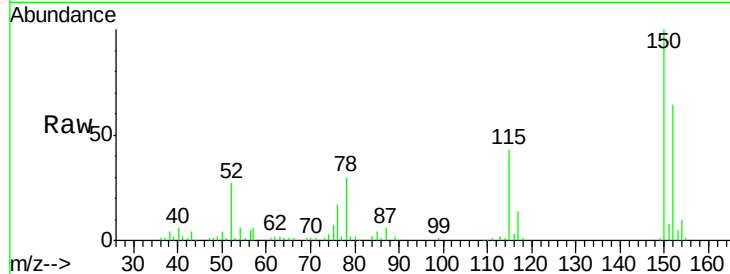


#1

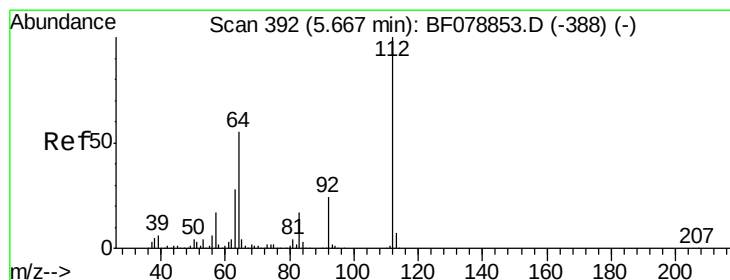
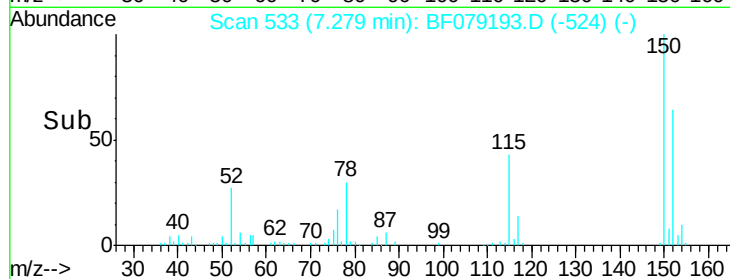
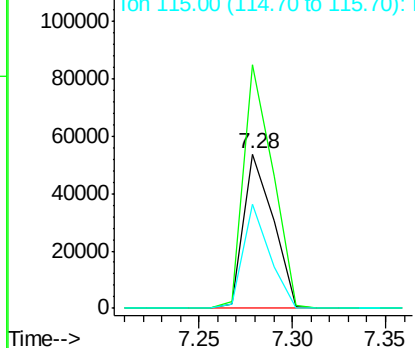
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 59323
Ion Ratio Lower Upper
152 100
150 157.5 122.0 183.0
115 67.7 46.3 69.5



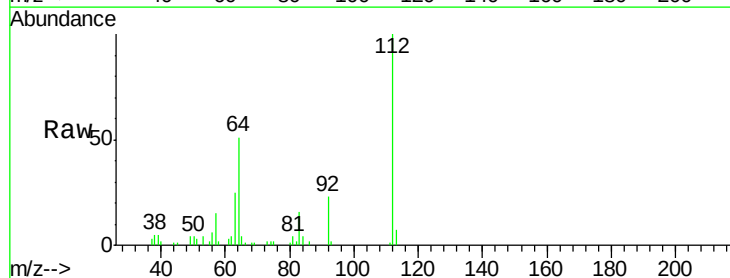
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



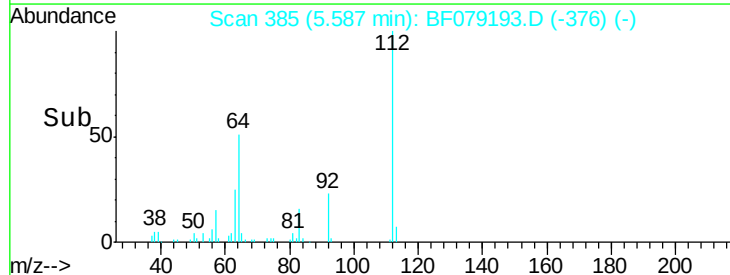
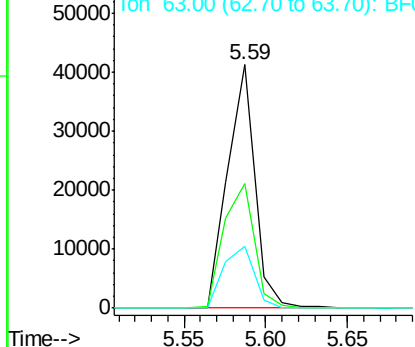
#5

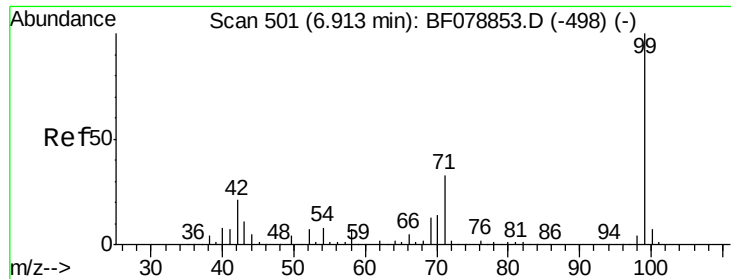
2-Fluorophenol
Concen: 13.79 ng
RT: 5.59 min Scan# 385
Delta R.T. -0.00 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Tgt Ion:112 Resp: 47527
Ion Ratio Lower Upper
112 100
64 51.3 53.5 80.3#
63 25.5 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: 14.63 ng

RT: 6.84 min Scan# 495

Delta R.T. -0.00 min

Lab File: BF079193.D

Acq: 13 May 2015 10:43

Instrument :

BNA_F

ClientSampled :

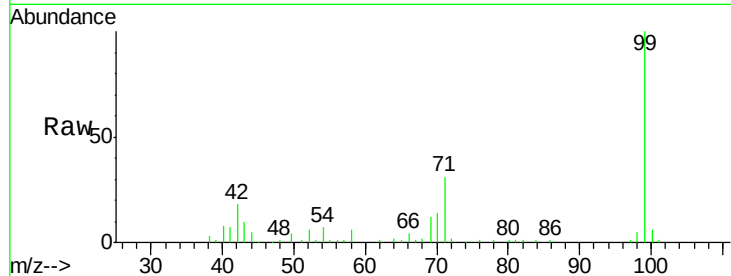
Tot Ion: 99 Resp: 66625

Ion Ratio Lower Upper

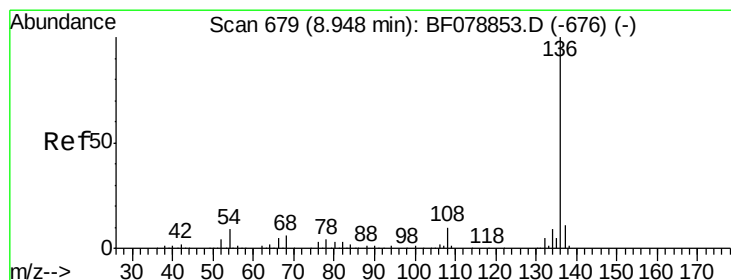
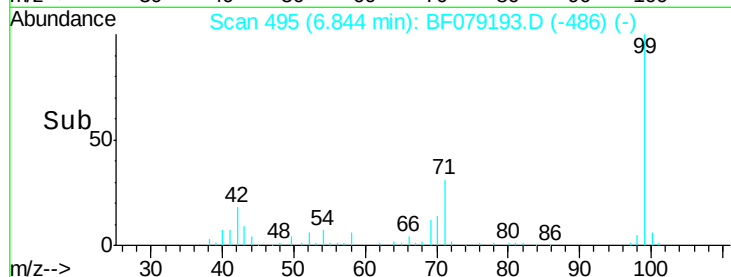
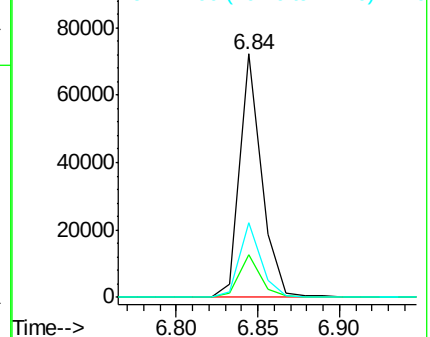
99 100

42 17.8 12.8 19.2

71 30.6 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF079193.D

Acq: 13 May 2015 10:43

Tgt Ion: 136 Resp: 243041

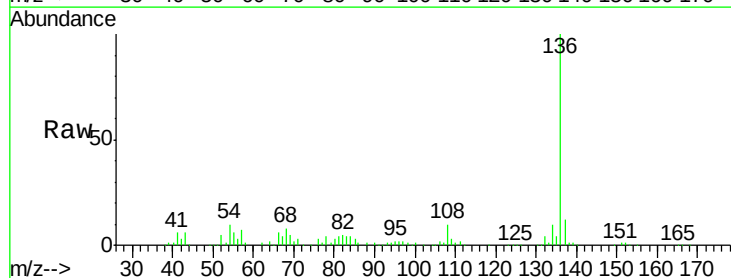
Ion Ratio Lower Upper

136 100

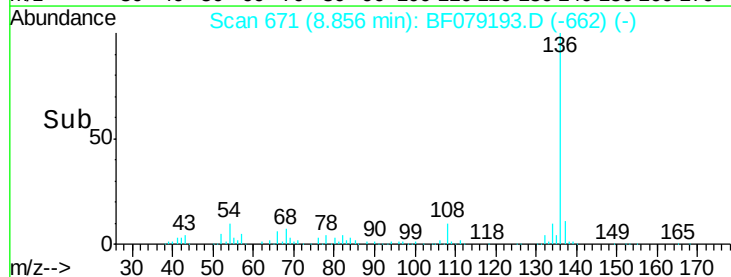
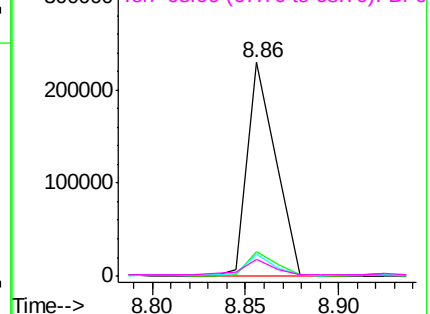
137 11.5 8.7 13.1

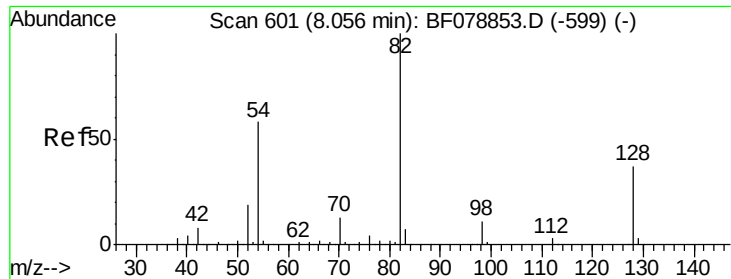
54 10.1 5.8 8.8#

68 7.5 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

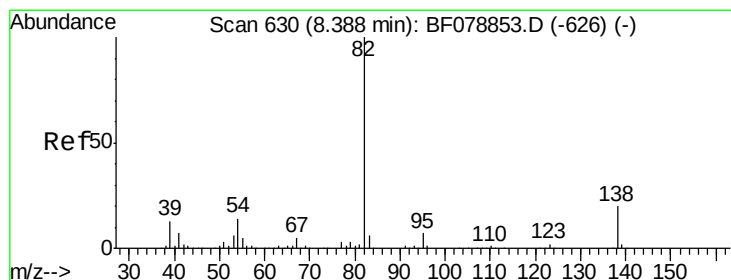
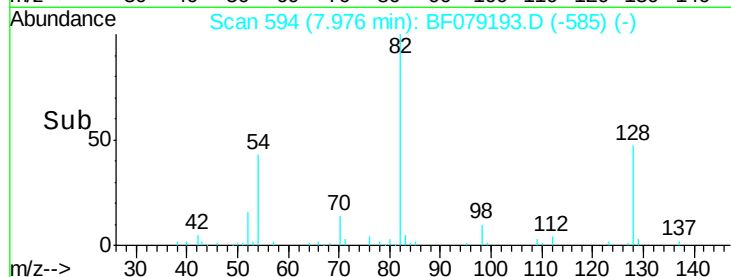
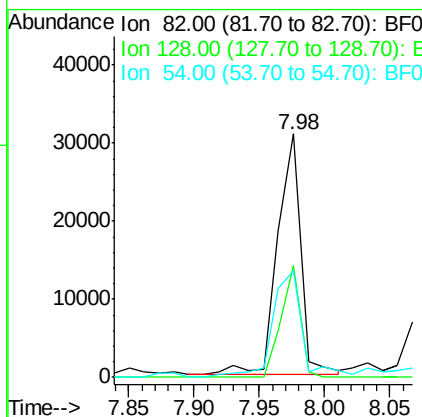
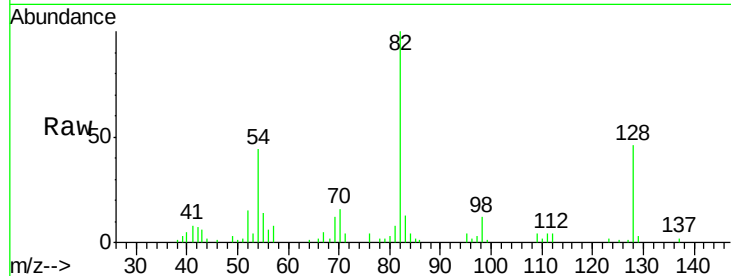




#23
 Nitrobenzene-d5
 Concen: 9.00 ng
 RT: 7.98 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

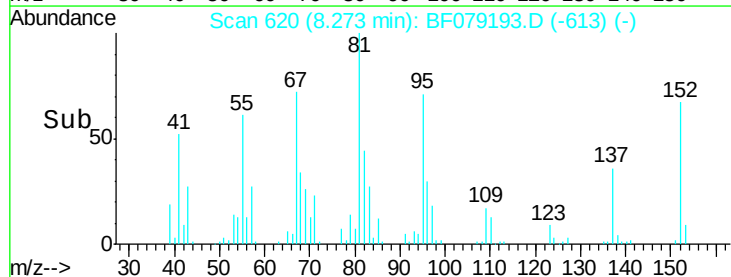
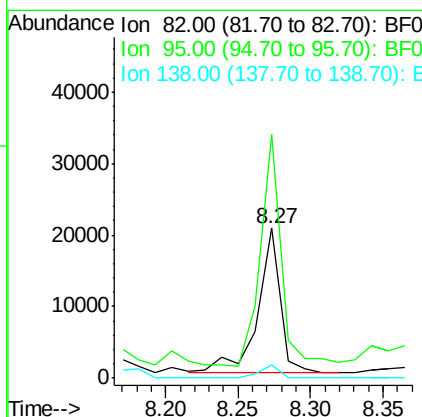
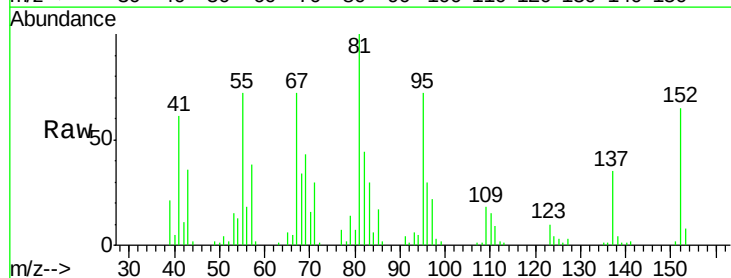
Instrument :
 BNA_F
 ClientSampleId :

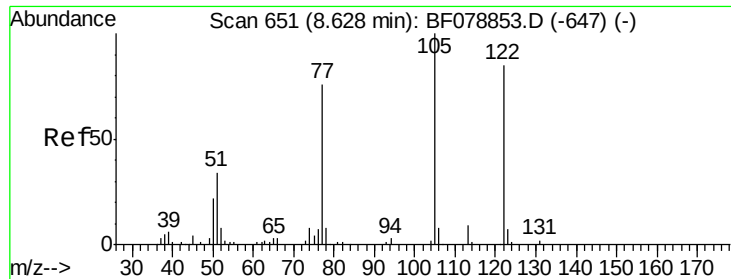
Tot Ion	82	Resp	38068
Ion Ratio	Lower	Upper	
82	100		
128	46.0	30.0	45.0#
54	43.6	46.4	69.6#



#25
 Isophorone
 Concen: 2.78 ng
 RT: 8.27 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

Tgt Ion	82	Resp	21776
Ion Ratio	Lower	Upper	
82	100		
95	162.2	5.3	7.9#
138	9.0	12.0	18.0#





#32

Benzoic acid

Concen: 6.64 ng

RT: 8.60 min Scan# 649

Delta R.T. 0.03 min

Lab File: BF079193.D

Acq: 13 May 2015 10:43

Instrument :

BNA_F

ClientSampled :

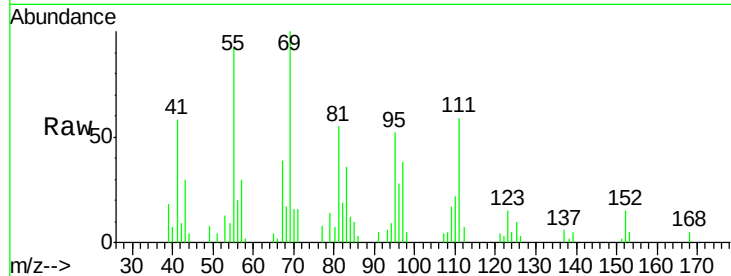
Tot Ion:122 Resp: 831

Ion Ratio Lower Upper

122 100

105 0.0 107.1 147.1#

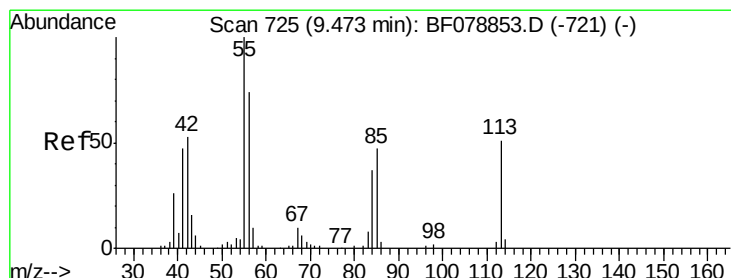
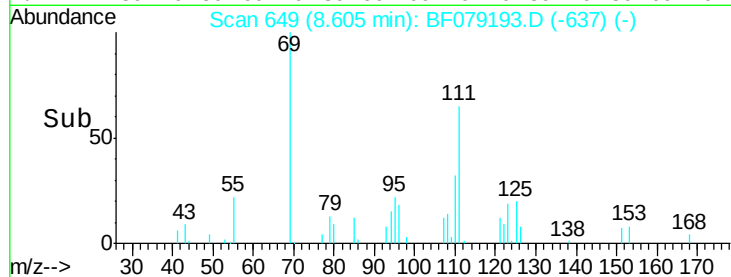
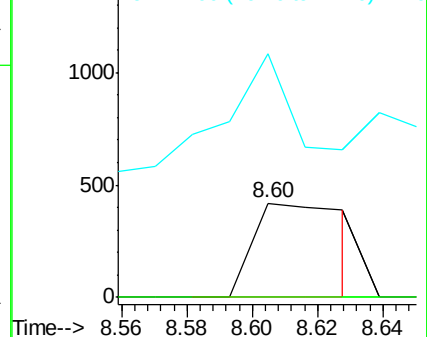
77 258.1 73.9 113.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 2.44 ng

RT: 9.42 min Scan# 720

Delta R.T. 0.02 min

Lab File: BF079193.D

Acq: 13 May 2015 10:43

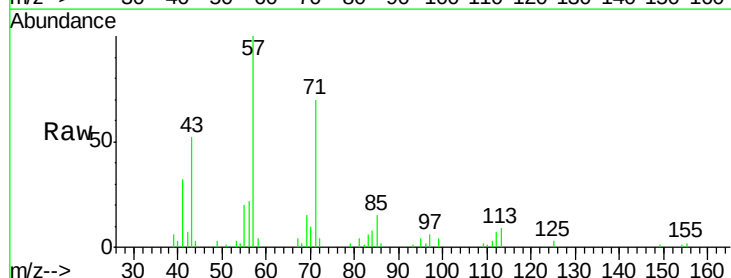
Tgt Ion:113 Resp: 2434

Ion Ratio Lower Upper

113 100

55 222.2 169.7 209.7#

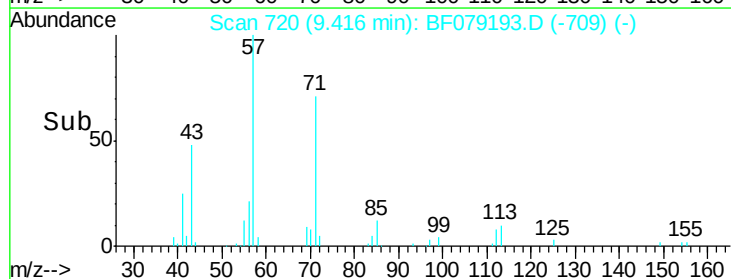
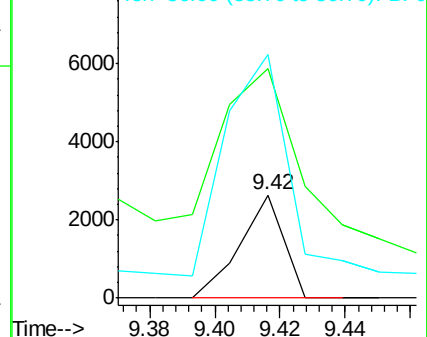
56 235.8 122.5 162.5#

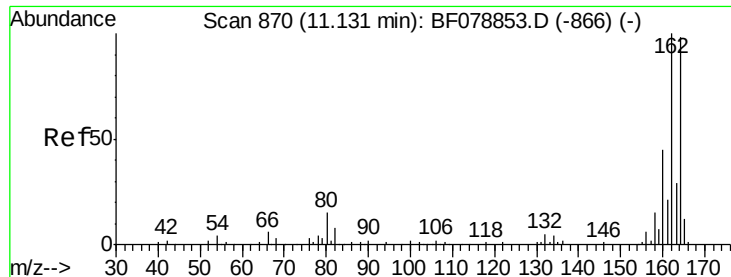


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

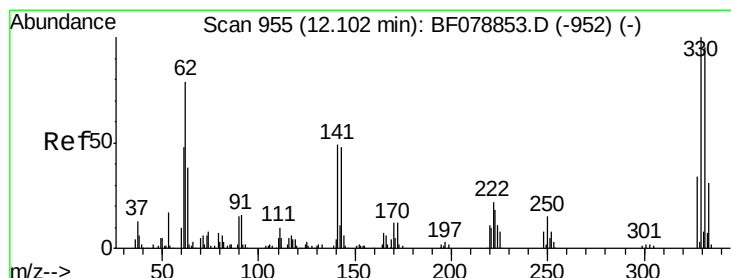
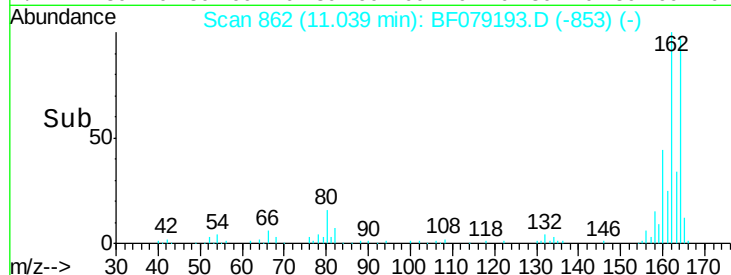
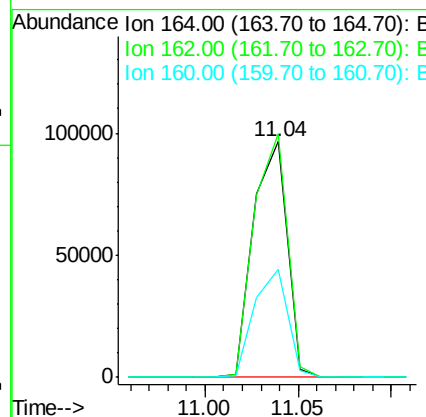
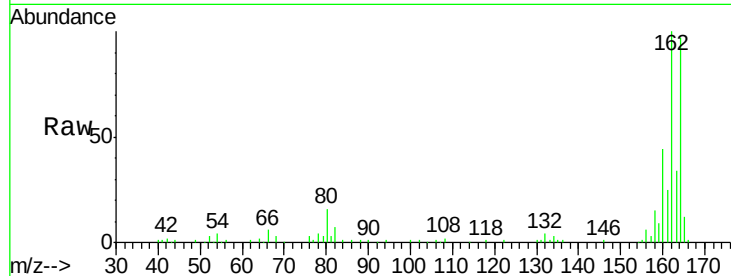




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.04 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

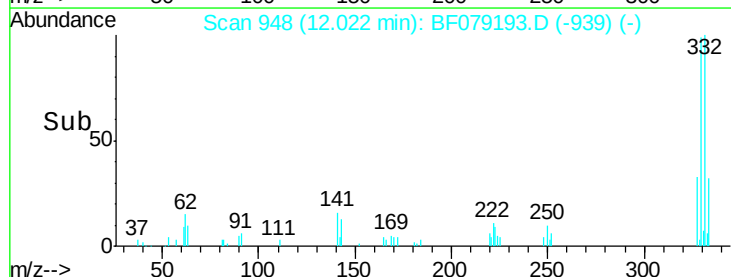
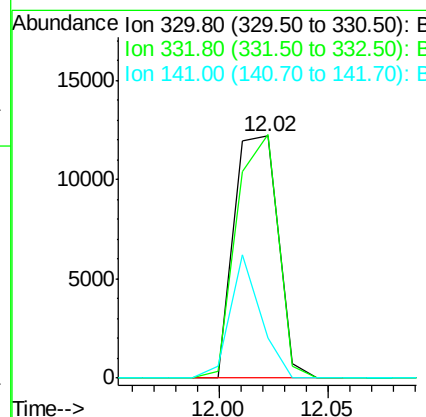
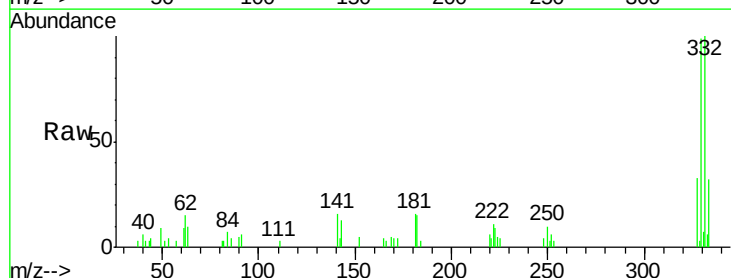
Instrument :
 BNA_F
 ClientSampleId :

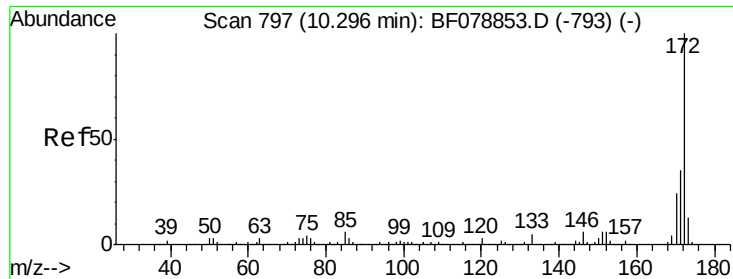
Tot Ion:164 Resp: 120843
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.7 124.1
 160 45.6 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 13.03 ng
 RT: 12.02 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

Tgt Ion:330 Resp: 17040
 Ion Ratio Lower Upper
 330 100
 332 94.9 0.0 0.0#
 141 35.5 0.0 0.0#

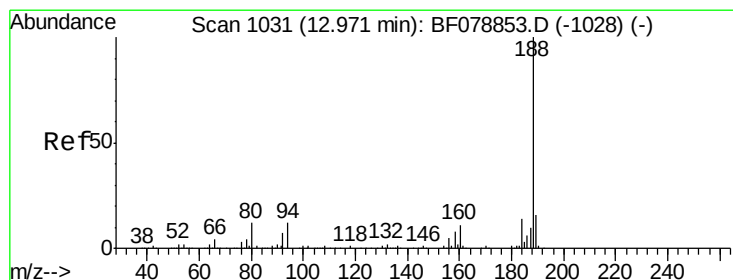
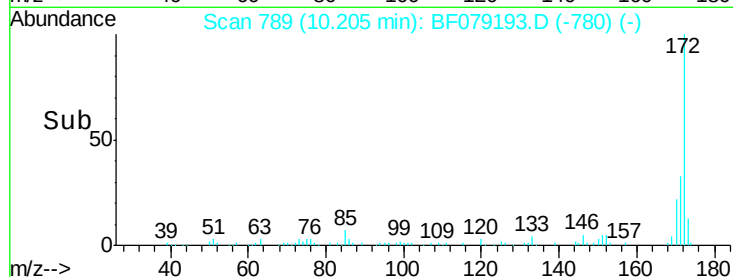
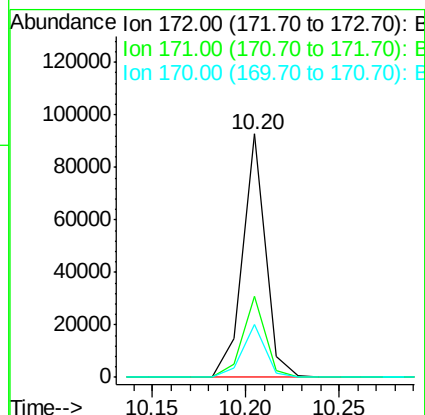
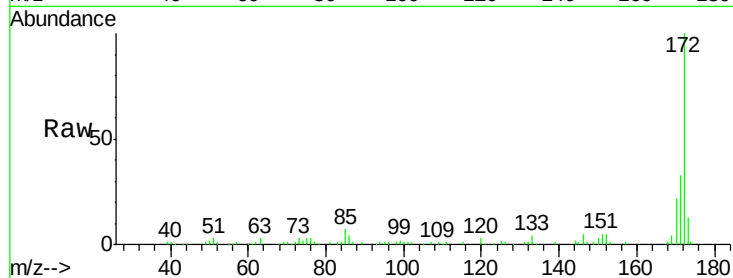




#44
 2-Fluorobiphenyl
 Concen: 9.16 ng
 RT: 10.20 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

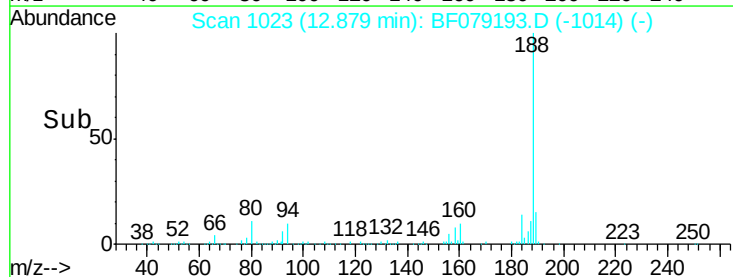
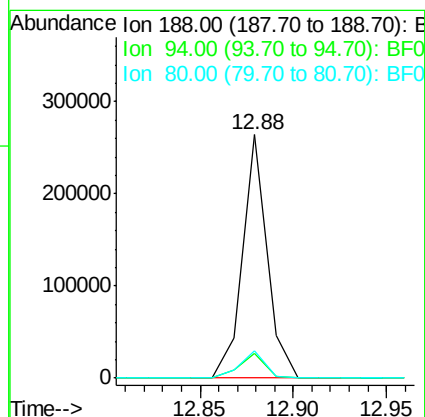
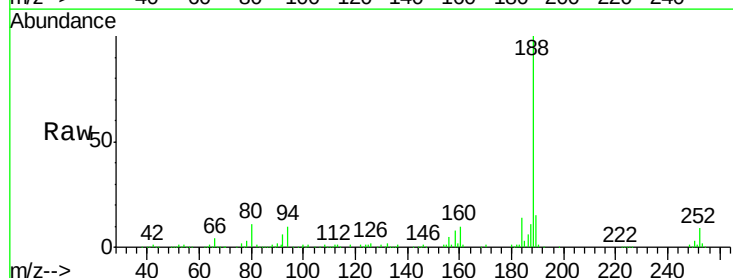
Instrument :
 BNA_F
 ClientSampleId :

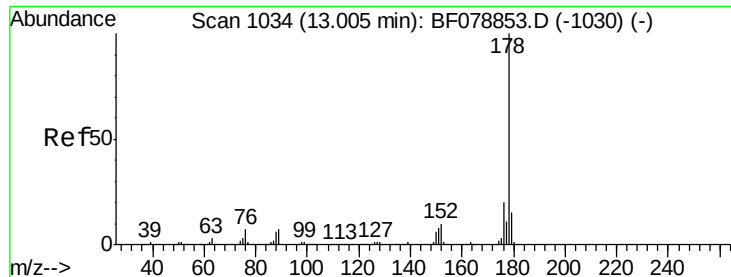
Tot Ion:172 Resp: 79474
 Ion Ratio Lower Upper
 172 100
 171 33.3 27.9 41.9
 170 21.8 19.4 29.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.88 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

Tgt Ion:188 Resp: 243519
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.2 12.2
 80 11.0 8.9 13.3

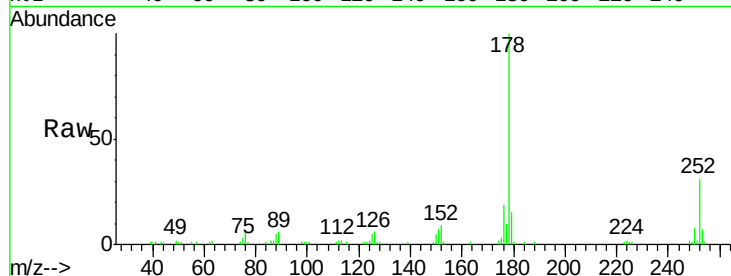




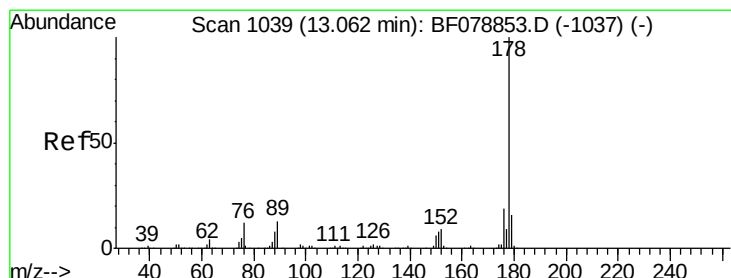
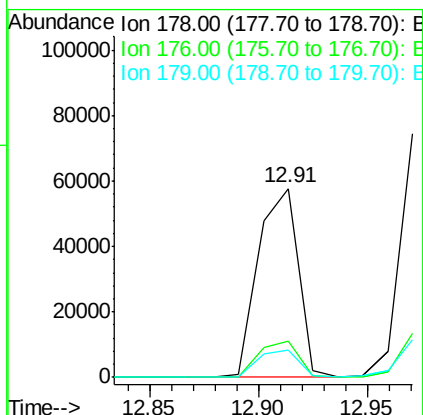
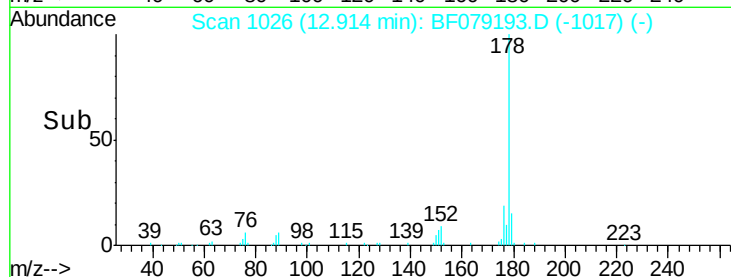
#70
Phenanthrene
Concen: 5.47 ng
RT: 12.91 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 74536
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 14.6 12.5 18.7

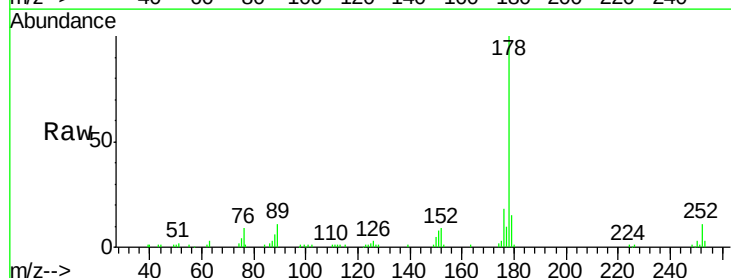


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

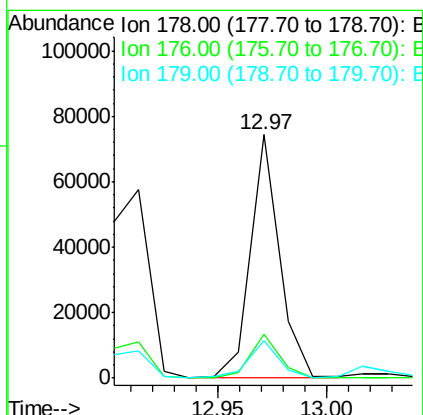
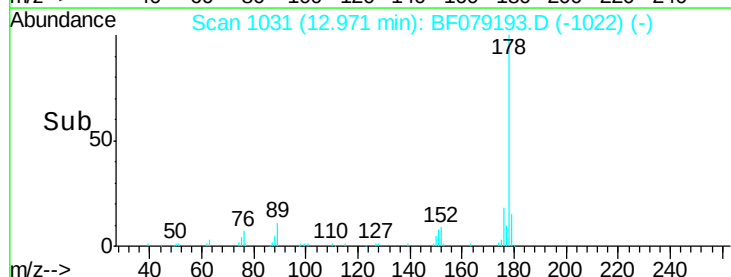


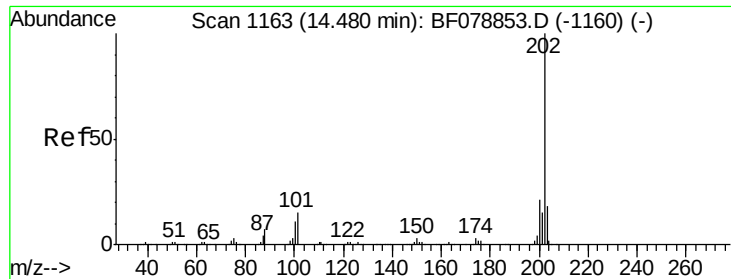
#71
Anthracene
Concen: 5.18 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Tgt Ion:178 Resp: 69290
Ion Ratio Lower Upper
178 100
176 17.9 15.5 23.3
179 15.2 12.7 19.1



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

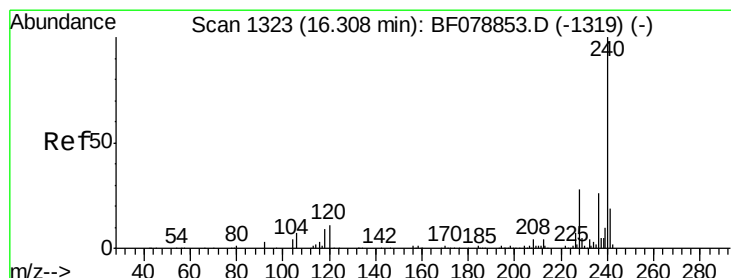
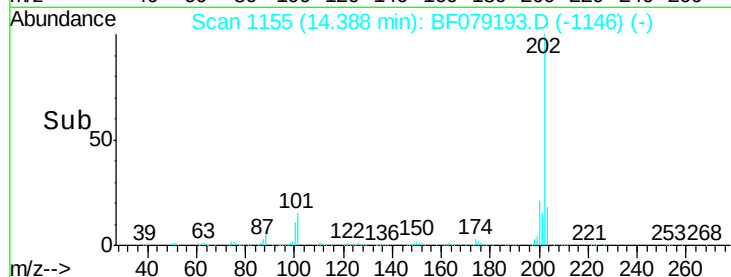
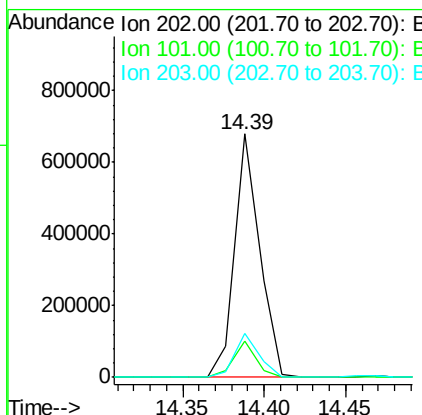
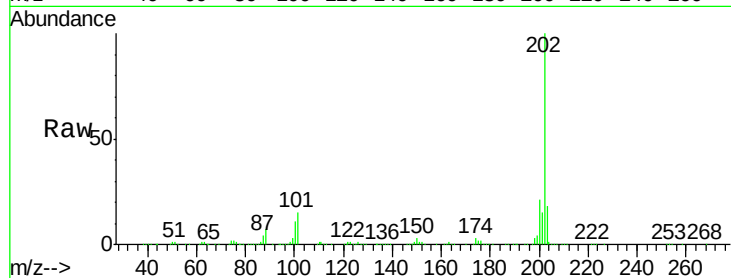




#74
 Fluoranthene
 Concen: 50.61 ng
 RT: 14.39 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

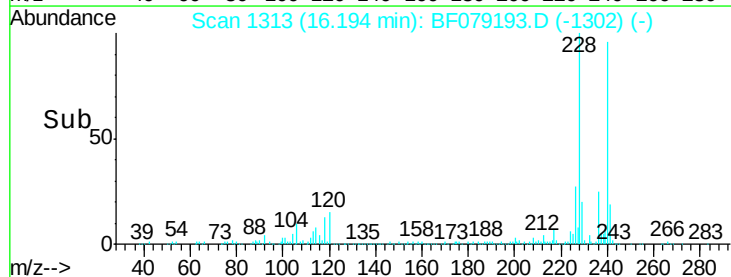
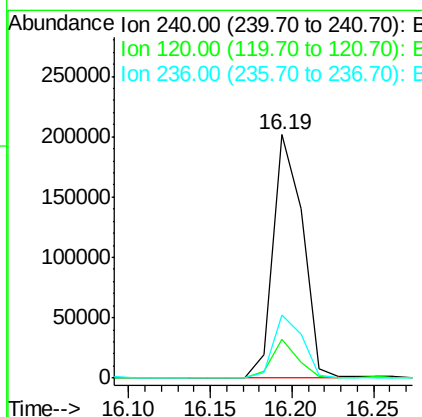
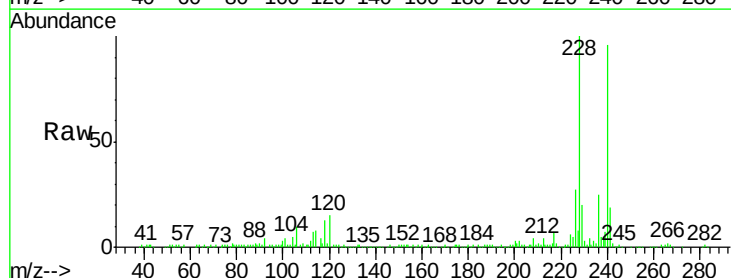
Instrument :
 BNA_F
 ClientSampleId :

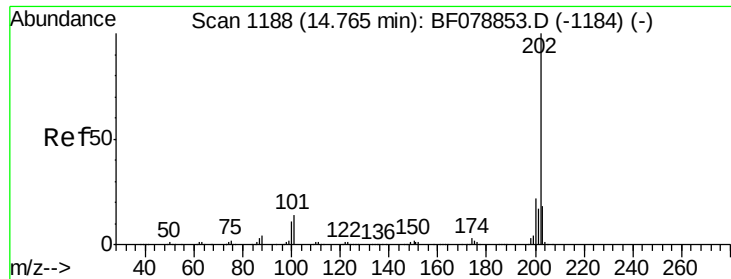
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.6
203	18.3	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.19 min Scan# 1313
 Delta R.T. 0.02 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.9	9.7	14.5#
236	26.0	20.2	30.4

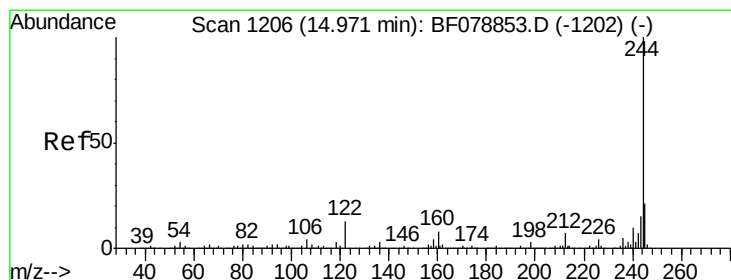
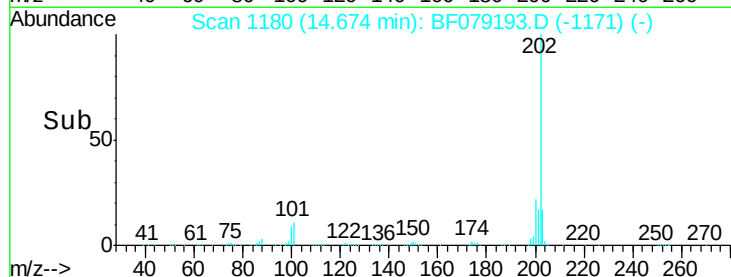
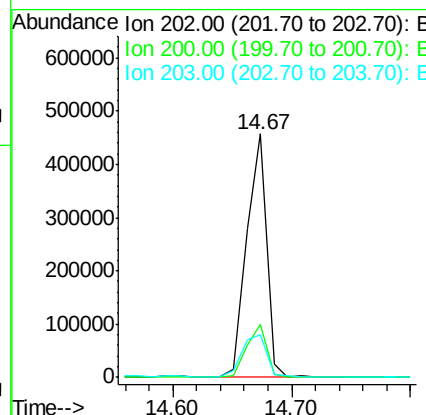
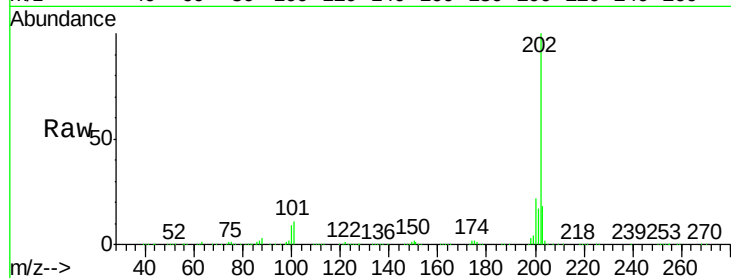




#77
Pvrene
Concen: 36.46 ng
RT: 14.67 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

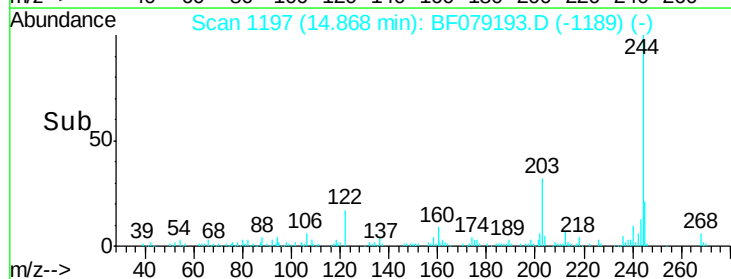
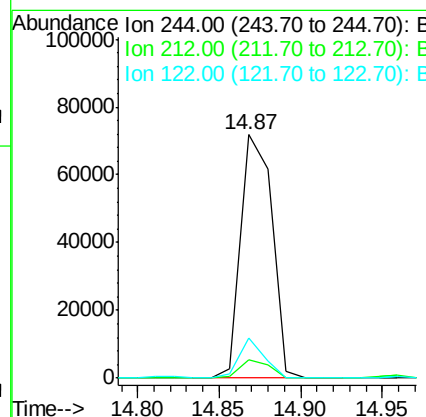
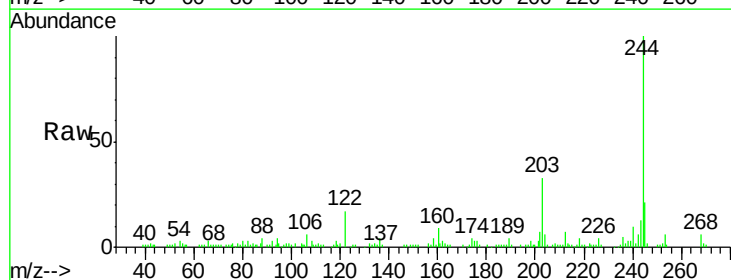
Instrument :
BNA_F
ClientSampleId :

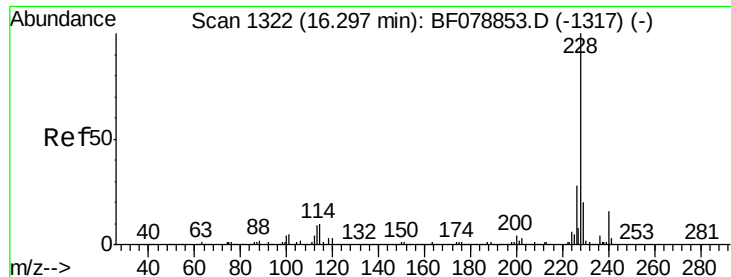
Tot Ion:202 Resp: 536746
Ion Ratio Lower Upper
202 100
200 21.5 17.5 26.3
203 17.8 13.9 20.9



#78
Terphenyl-d14
Concen: 8.91 ng
RT: 14.87 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Tgt Ion:244 Resp: 95116
Ion Ratio Lower Upper
244 100
212 7.4 5.6 8.4
122 16.5 10.3 15.5#

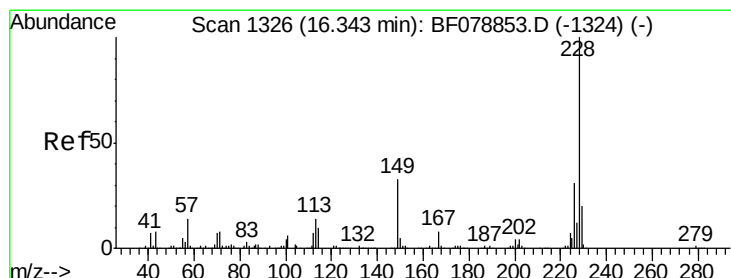
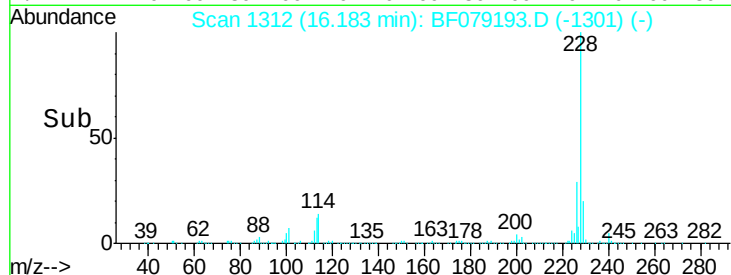
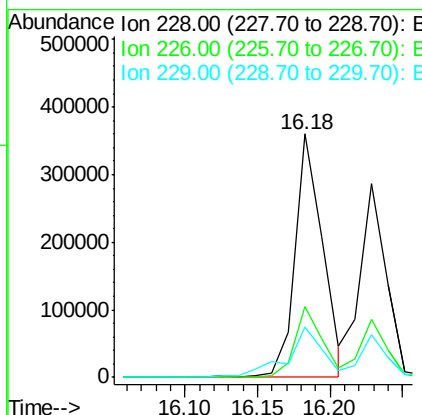
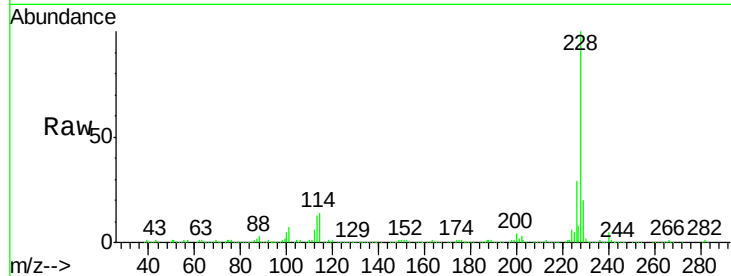




#80
Benzo(a)anthracene
Concen: 33.93 ng
RT: 16.18 min Scan# 1312
Delta R.T. 0.02 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

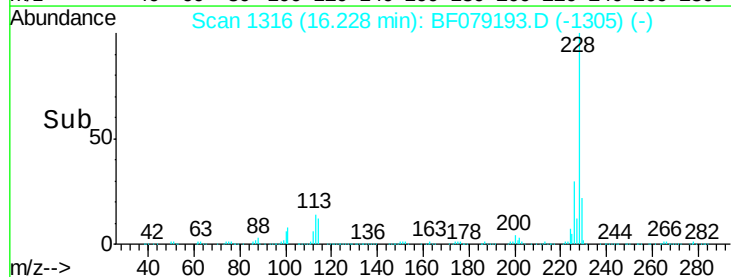
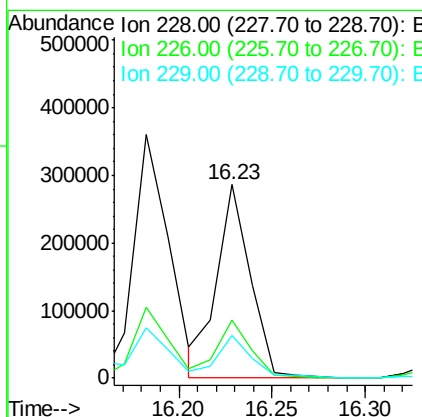
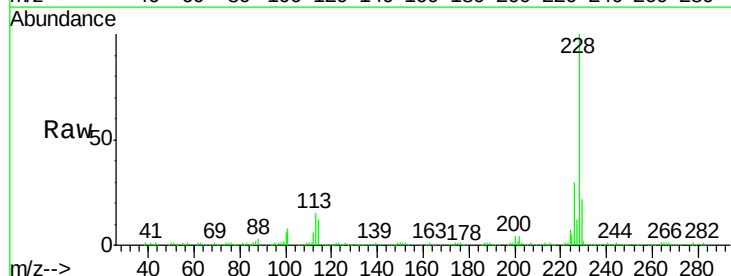
Instrument :
BNA_F
ClientSampleId :

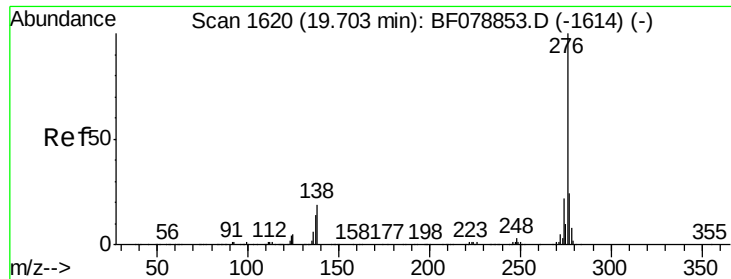
Tot Ion:228 Resp: 474692
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 20.4 15.9 23.9



#82
Chrysene
Concen: 26.25 ng
RT: 16.23 min Scan# 1316
Delta R.T. 0.02 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Tgt Ion:228 Resp: 353260
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 22.1 16.0 24.0

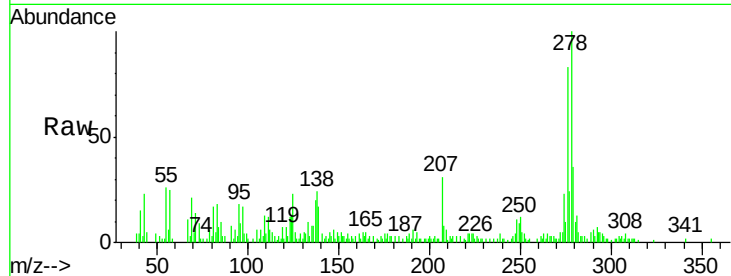




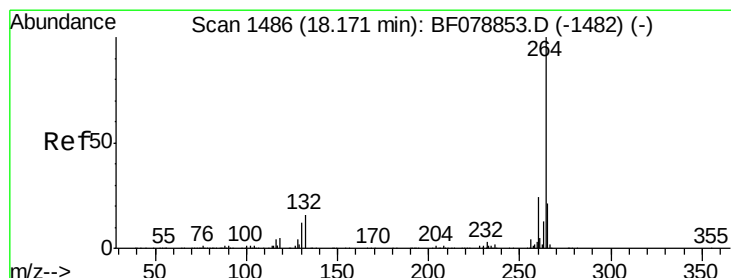
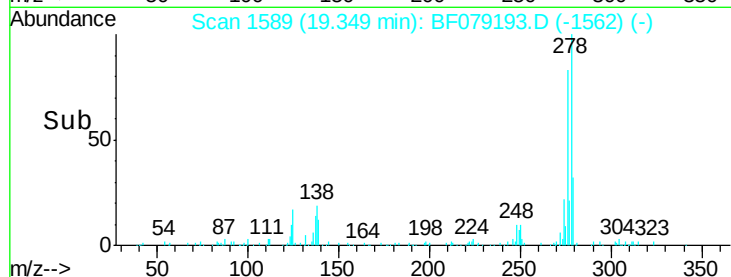
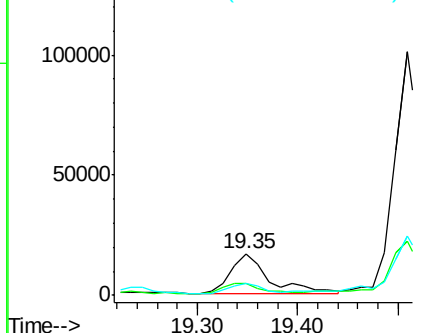
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.52 ng
 RT: 19.35 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 43272
 Ion Ratio Lower Upper
 276 100
 138 24.7 0.0 0.0#
 277 22.0 0.0 0.0#

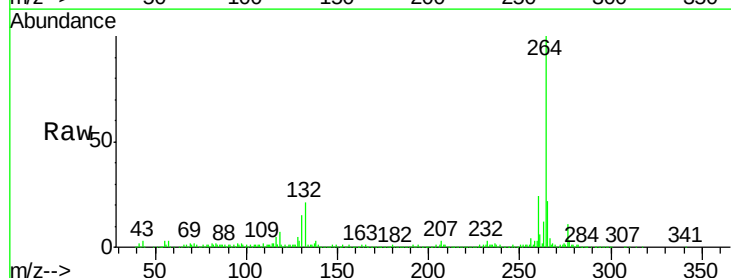


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

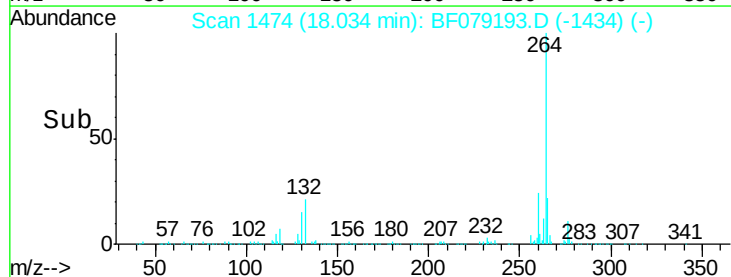
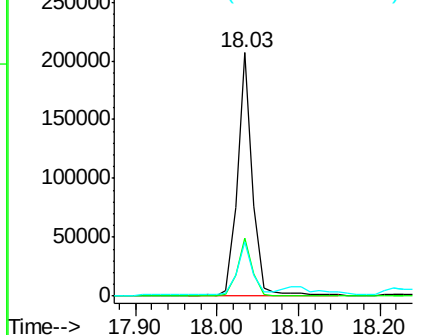


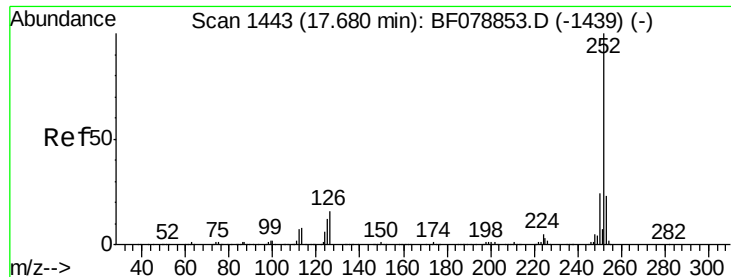
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.03 min Scan# 1474
 Delta R.T. 0.16 min
 Lab File: BF079193.D
 Acq: 13 May 2015 10:43

Tgt Ion:264 Resp: 262275
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 22.2 18.3 27.5



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

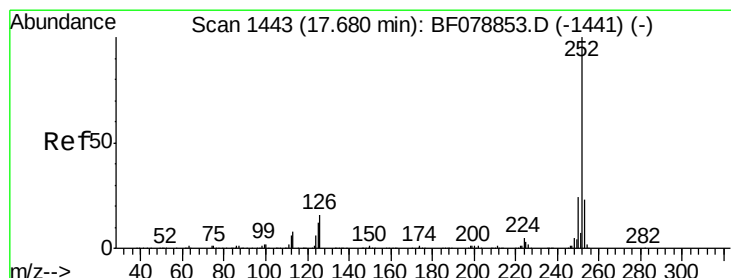
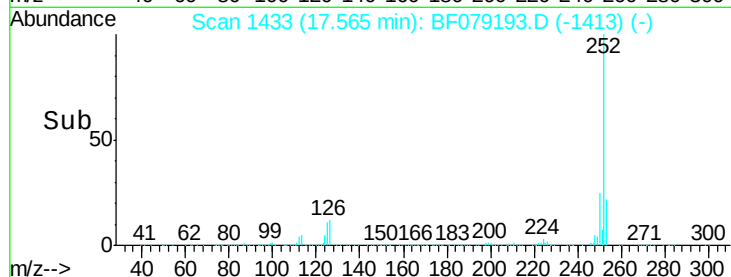
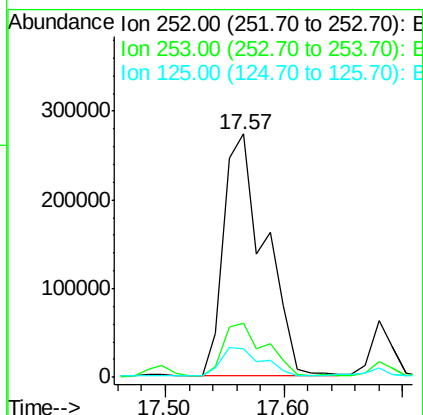
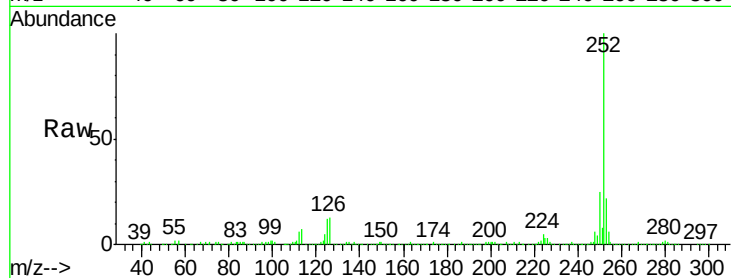




#87
Benzo(b)fluoranthene
Concen: 46.16 ng
RT: 17.57 min Scan# 1433
Delta R.T. 0.13 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

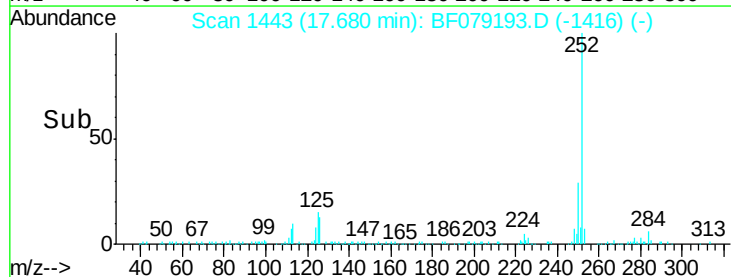
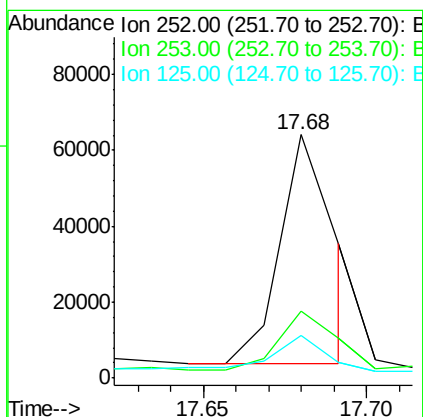
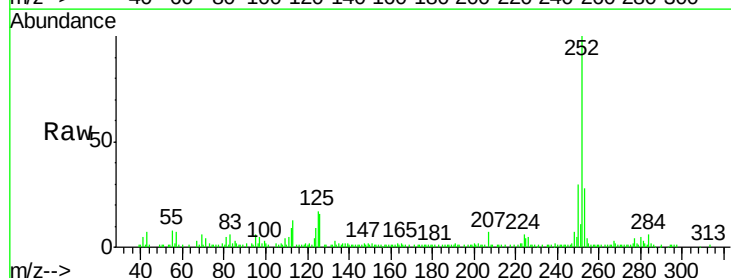
Instrument :
BNA_F
ClientSampleId :

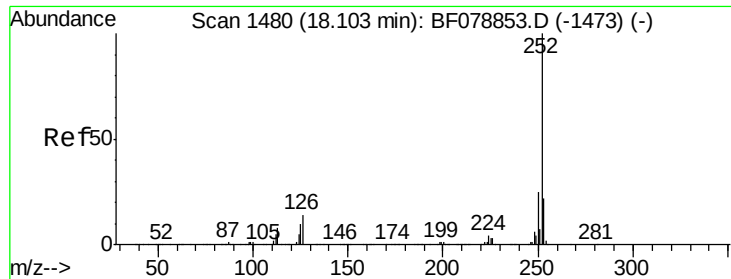
Tot Ion:252 Resp: 662719
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.9 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 5.06 ng
RT: 17.68 min Scan# 1443
Delta R.T. 0.21 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Tgt Ion:252 Resp: 70335
Ion Ratio Lower Upper
252 100
253 27.7 18.1 27.1#
125 17.3 10.0 15.0#

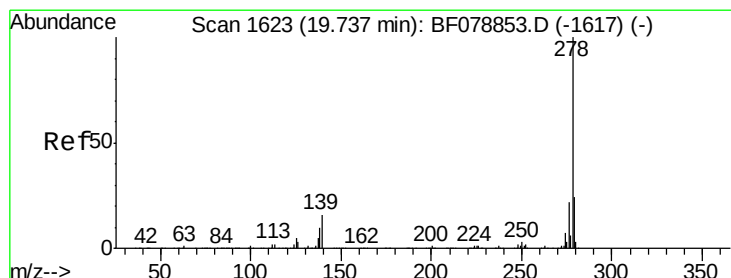
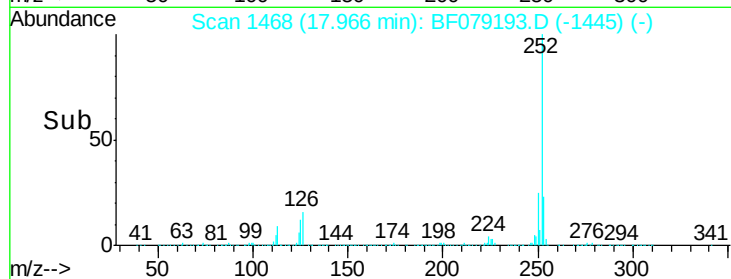
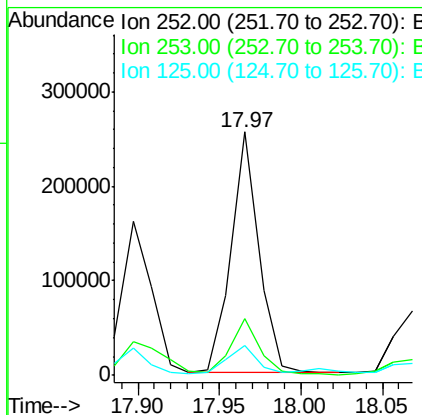
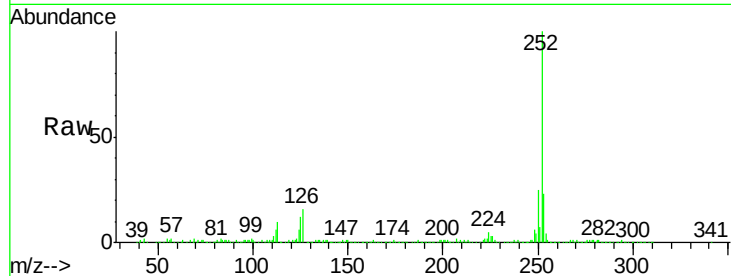




#89
Benzo(a)pyrene
Concen: 22.62 ng
RT: 17.97 min Scan# 1468
Delta R.T. 0.16 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

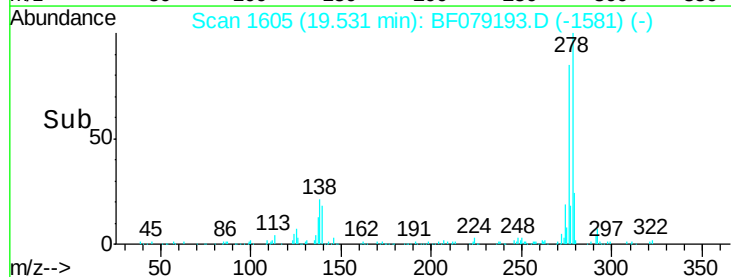
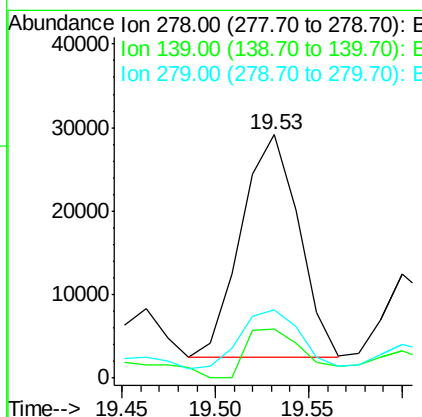
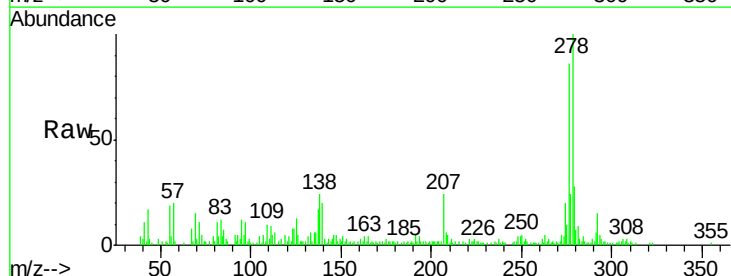
Instrument :
BNA_F
ClientSampleId :

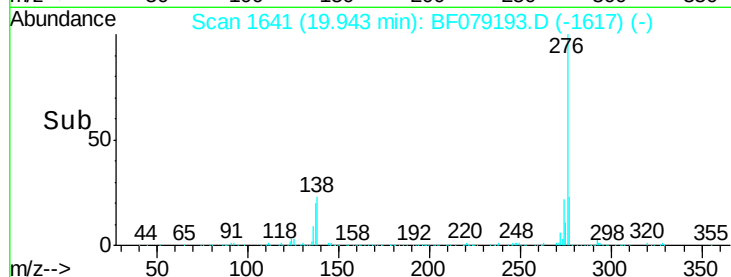
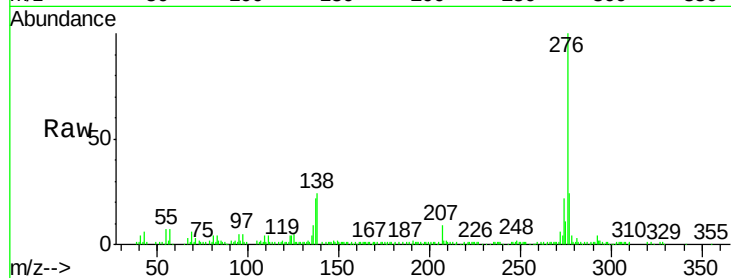
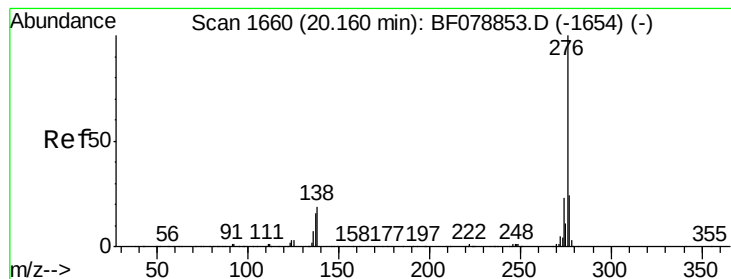
Tot Ion:252 Resp: 299057
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 12.0 7.0 10.6#



#90
Dibenzo(a,h)anthracene
Concen: 4.09 ng
RT: 19.53 min Scan# 1605
Delta R.T. 0.17 min
Lab File: BF079193.D
Acq: 13 May 2015 10:43

Tgt Ion:278 Resp: 57433
Ion Ratio Lower Upper
278 100
139 20.3 12.8 19.2#
279 28.2 19.6 29.4





#91

Benzo(a,h,i)perylene

Concen: 11.27 ng

RT: 19.94 min Scan# 1641

Delta R.T. 0.17 min

Lab File: BF079193.D

Acq: 13 May 2015 10:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 158748

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 24.1 17.4 26.0

