

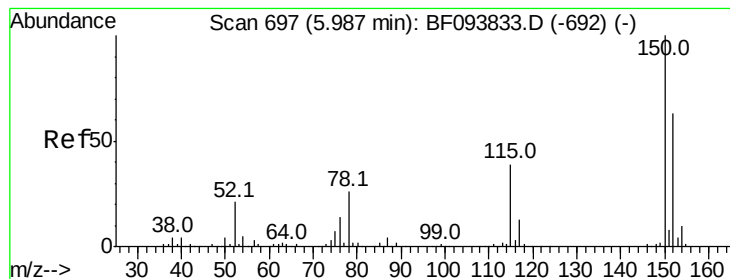
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093874.D
 Acq On : 23 Mar 2017 10:51
 Operator : SJ/MA
 Sample : I2337-06 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-ESW

Quant Time: Mar 23 17:08:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	182249	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	712403	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	298358	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	443172	20.00	ng	0.00
75) Chrysene-d12	14.71	240	330341	20.00	ng	0.00
86) Perylene-d12	16.35	264	303678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	230894	21.40	ng	0.00
7) Phenol-d6	5.56	99	282152	21.14	ng	-0.01
23) Nitrobenzene-d5	6.62	82	164294	13.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	41962	17.80	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	304878	15.59	ng	-0.01
78) Terphenyl-d14	13.43	244	159999	10.86	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.49	178	125551	5.09	ng	98
71) Anthracene	11.55	178	74532	2.94	ng	98
74) Fluoranthene	12.95	202	264372	10.47	ng	98
77) Pyrene	13.23	202	358862	14.97	ng	99
80) Benzo(a)anthracene	14.70	228	179687	9.33	ng	97
82) Chrysene	14.74	228	182039	10.18	ng	97
83) Bis(2-ethylhexyl)phthalate	14.76	149	33994	2.44	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.73	276	67415	4.35	ng	92
87) Benzo(b)fluoranthene	15.93	252	230259m	12.37	ng	
88) Benzo(k)fluoranthene	15.96	252	71403m	3.92	ng	
89) Benzo(a)pyrene	16.29	252	122517	7.15	ng	95
91) Benzo(a,h,i)perylene	18.14	276	61342	4.19	ng	96

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

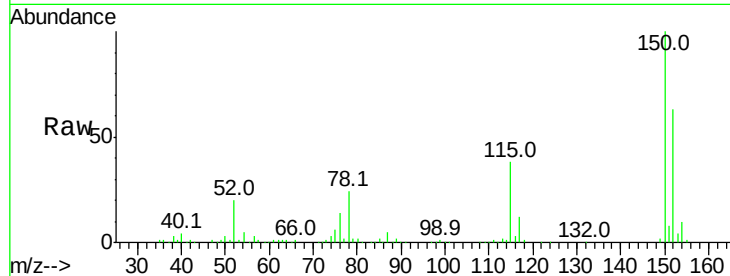


#1

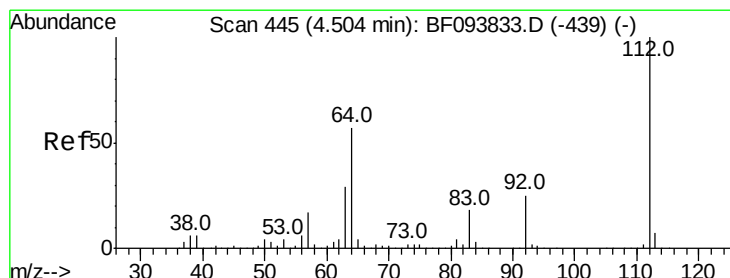
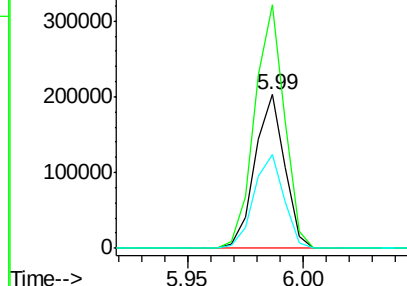
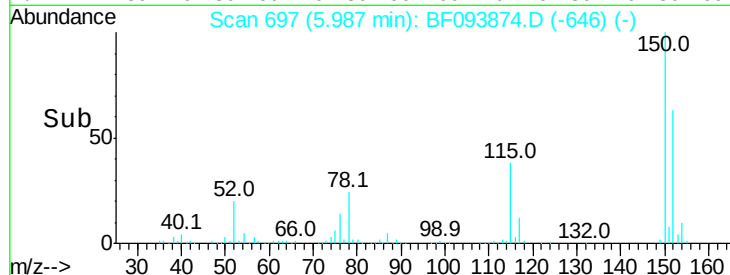
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Instrument :
BNA_F
ClientSampleId :
E2-R14-ESW

Tot Ion:152 Resp: 182249
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 60.7 52.2 78.2



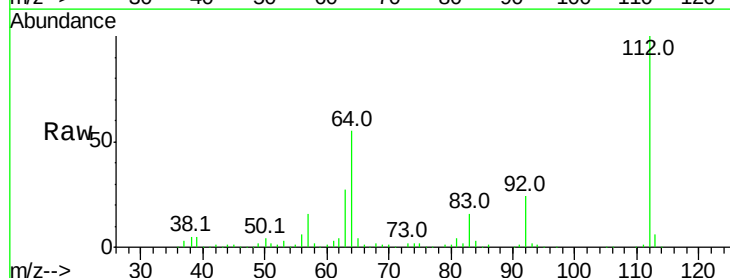
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



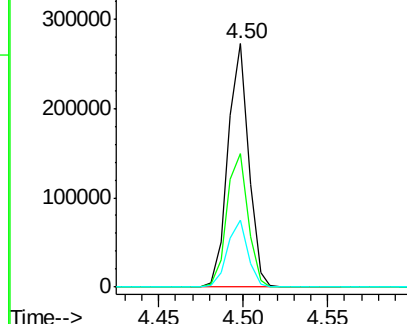
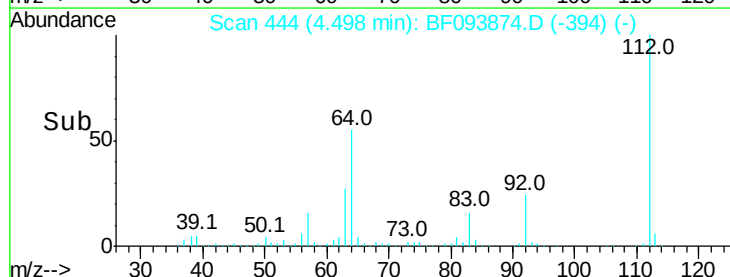
#5

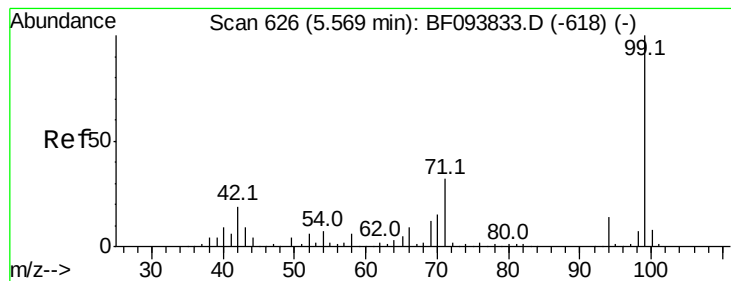
2-Fluorophenol
Concen: 21.40 ng
RT: 4.50 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Tgt Ion:112 Resp: 230894
Ion Ratio Lower Upper
112 100
64 54.8 46.0 69.0
63 27.3 23.4 35.0



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: 21.14 ng

RT: 5.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

E2-R14-ESW

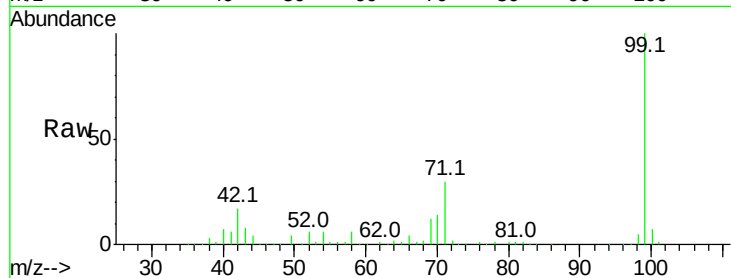
Tot Ion: 99 Resp: 282152

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

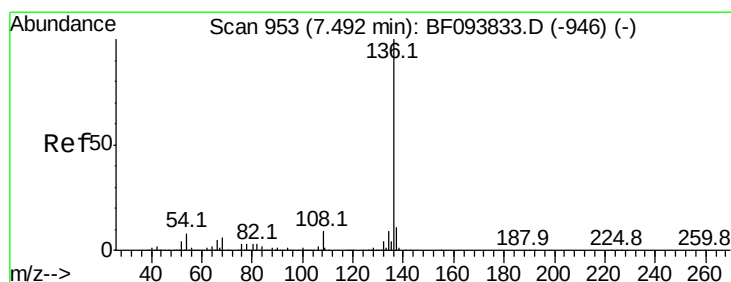
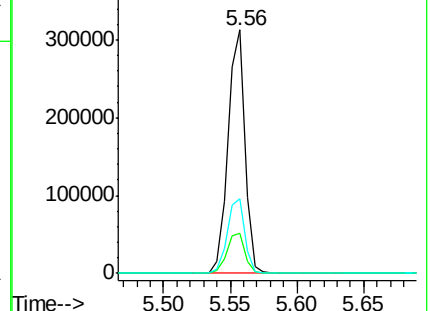
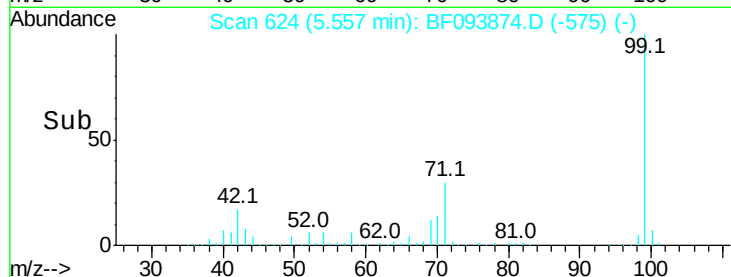
71 30.4 24.5 36.7



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: 7.49 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Tgt Ion: 136 Resp: 712403

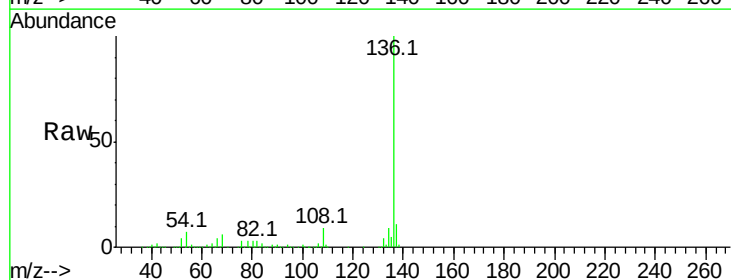
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.4 4.9 7.3#

68 5.7 4.1 6.1

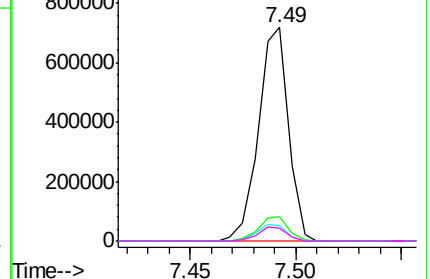
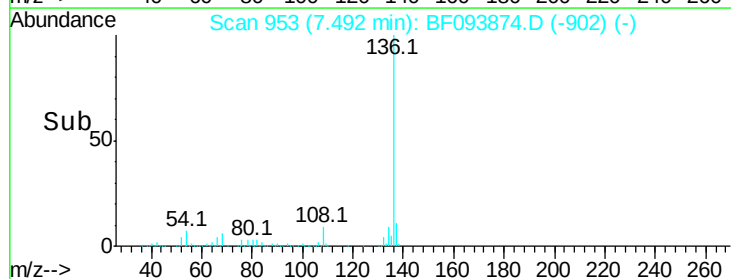


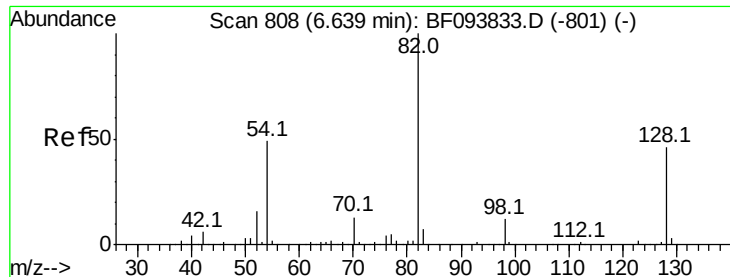
Abundance Ion 136.00 (135.70 to 136.70): E

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

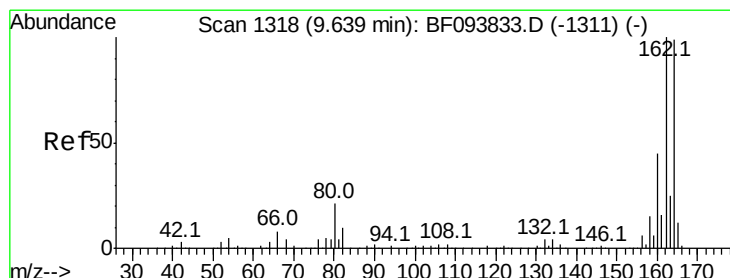
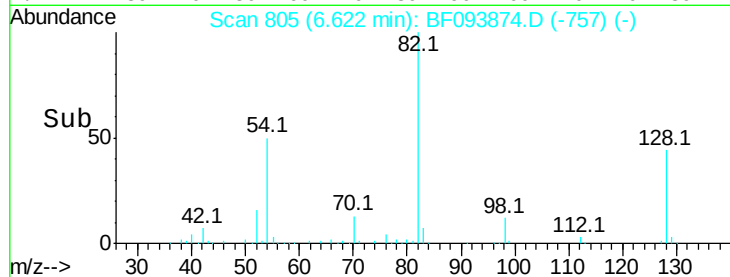
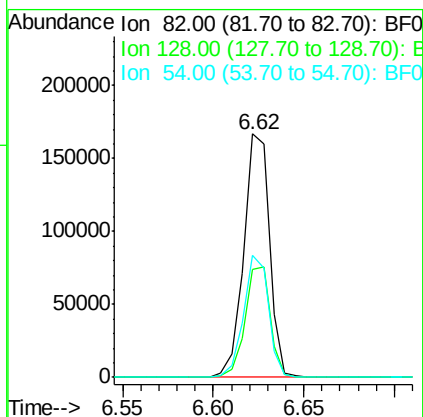
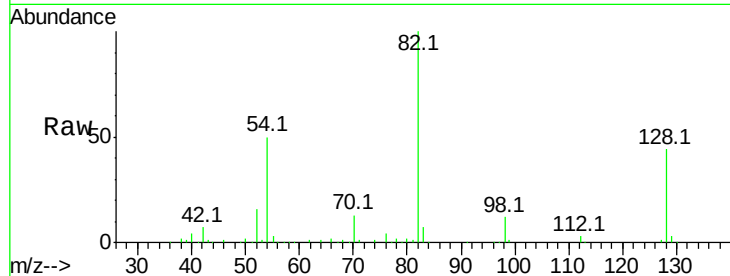




#23
 Nitrobenzene-d5
 Concen: 13.16 ng
 RT: 6.62 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

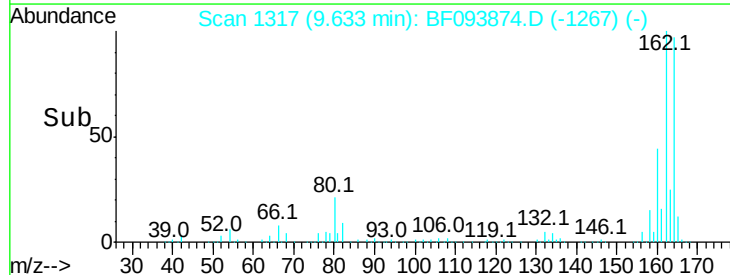
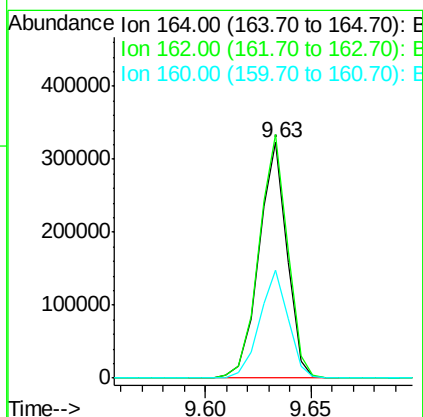
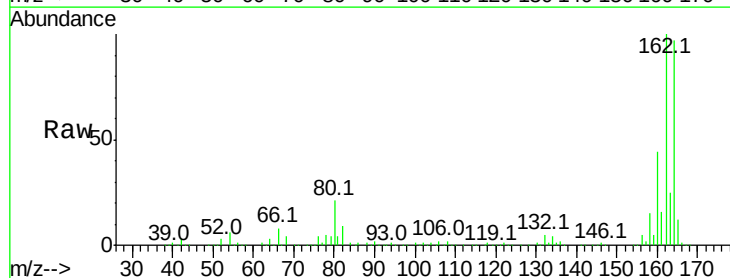
Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-ESW

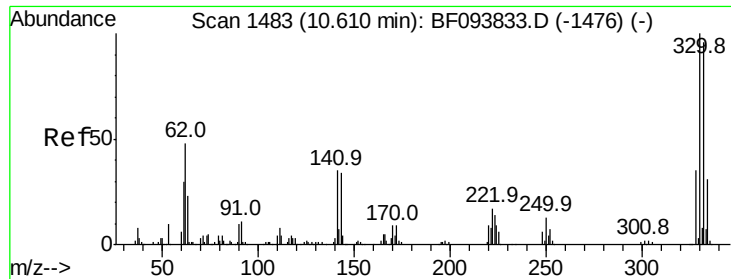
Tot Ion	82	Resp	164294
Ion Ratio	Lower	Upper	
82	100		
128	44.4	34.0	51.0
54	50.2	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion	164	Resp	298358
Ion Ratio	Lower	Upper	
164	100		
162	103.3	82.6	123.8
160	45.9	36.2	54.2

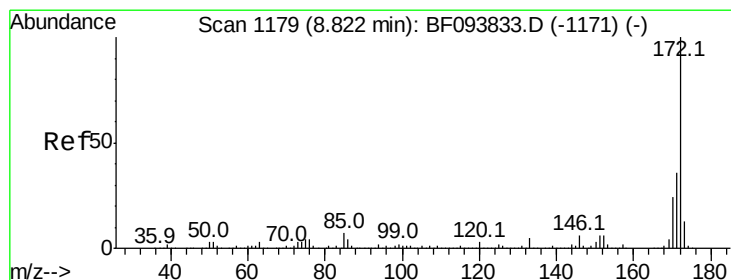
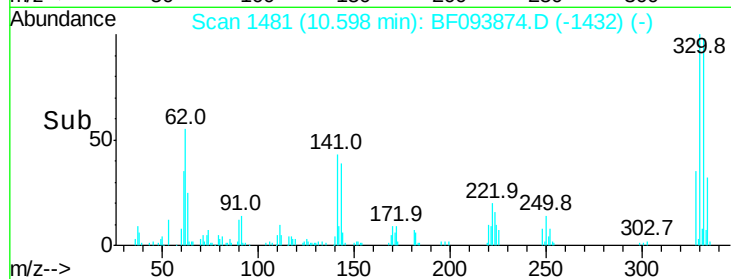
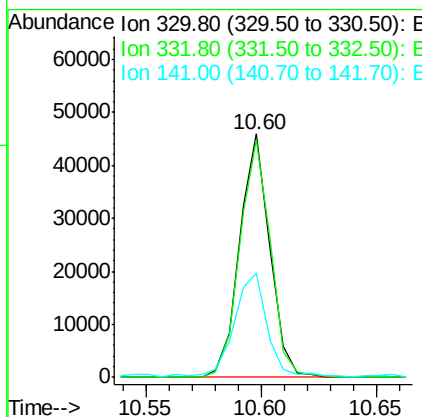
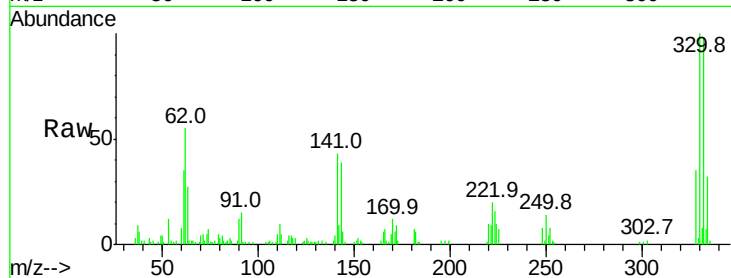




#41
 2,4,6-Tribromophenol
 Concen: 17.80 ng
 RT: 10.60 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

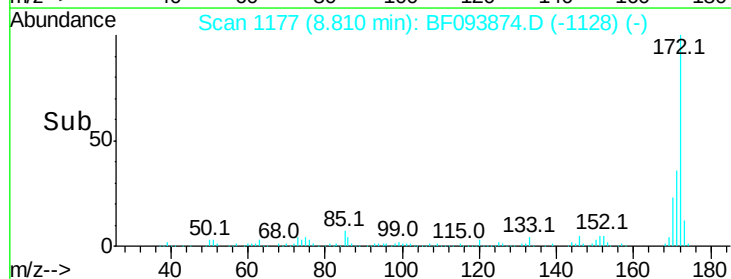
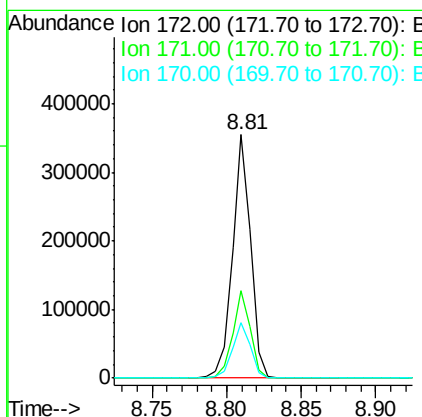
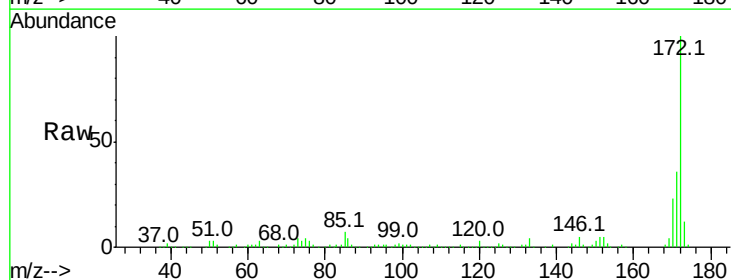
Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-ESW

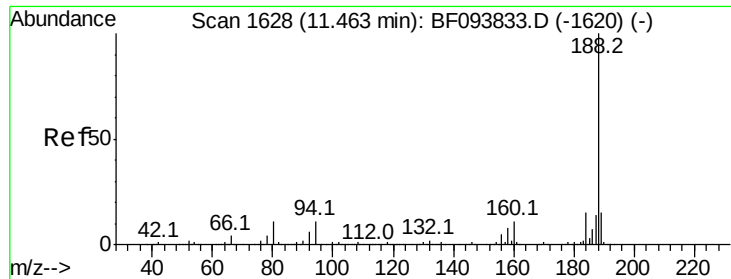
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	76.6	115.0
141	48.2	31.4	47.2#



#44
 2-Fluorobiphenyl
 Concen: 15.59 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	22.9	19.8	29.8

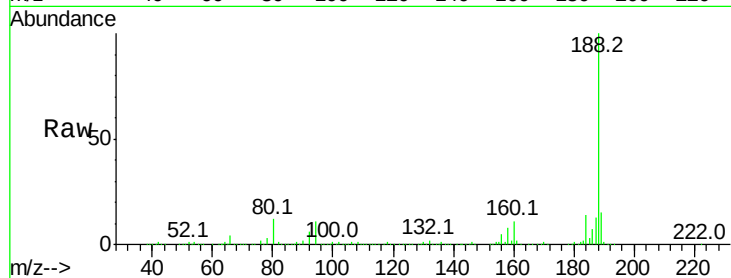




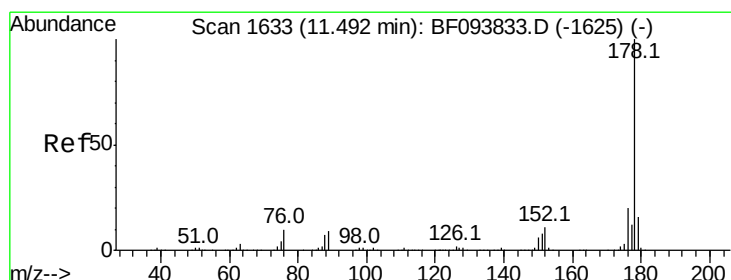
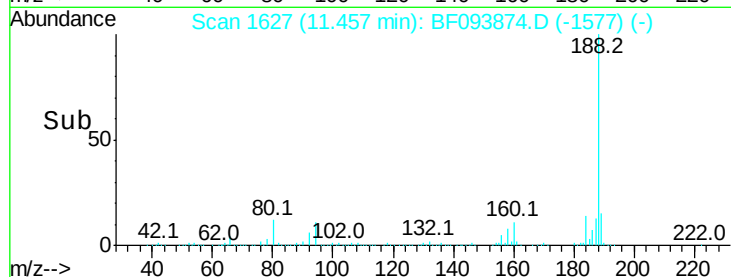
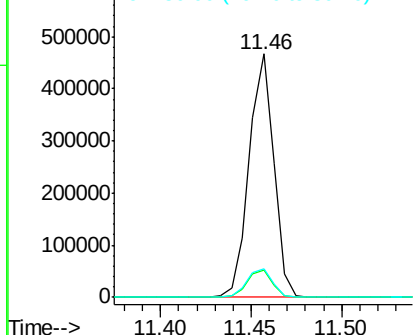
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Instrument :
BNA_F
ClientSampleId :
E2-R14-ESW

Tot Ion:188 Resp: 443172
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.6 10.2 15.2

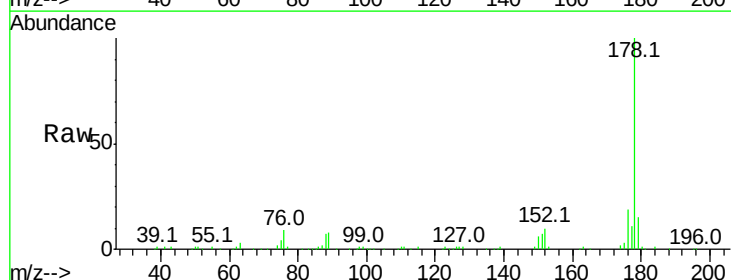


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

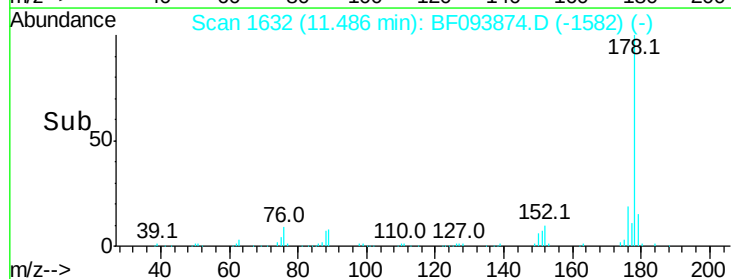
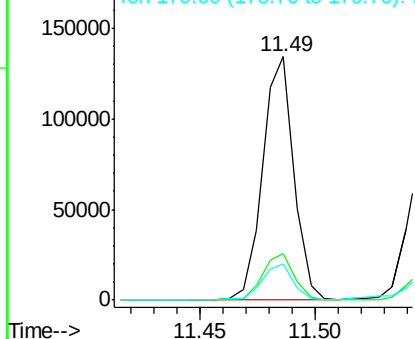


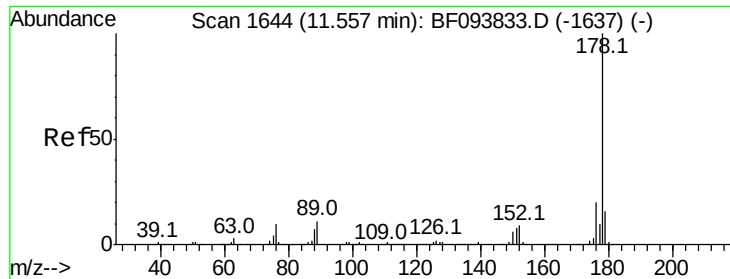
#70
Phenanthrene
Concen: 5.09 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BF093874.D
Acq: 23 Mar 2017 10:51

Tgt Ion:178 Resp: 125551
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.0 12.6 19.0



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

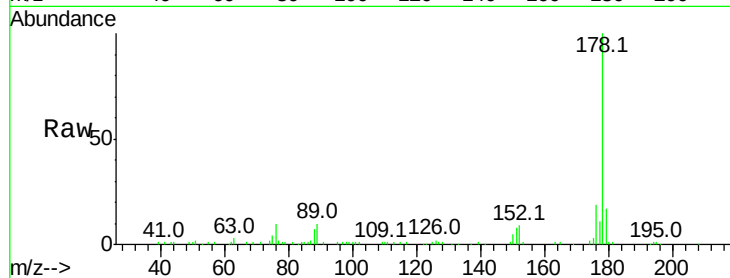




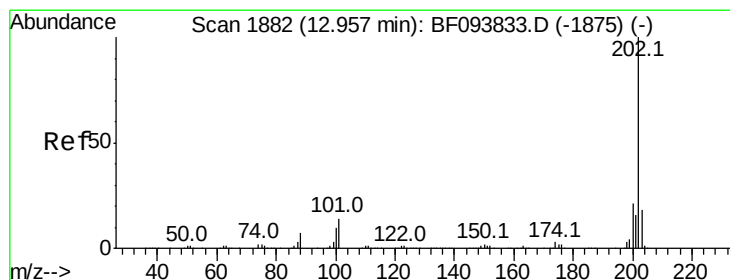
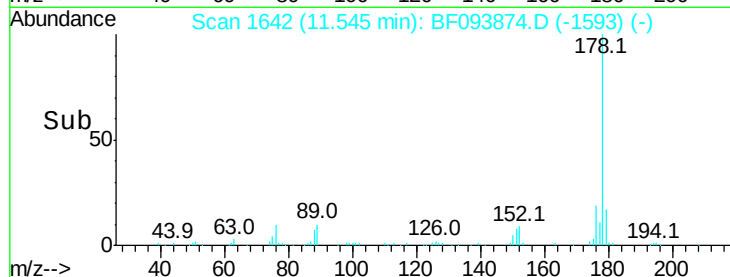
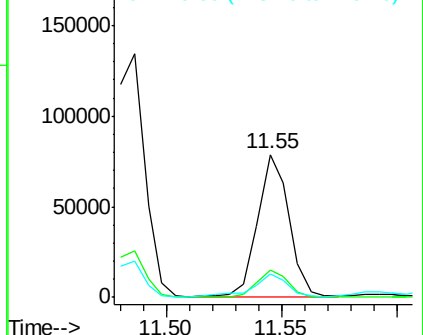
#71
 Anthracene
 Concen: 2.94 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-ESW

Tot Ion:178 Resp: 74532
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 16.5 12.7 19.1

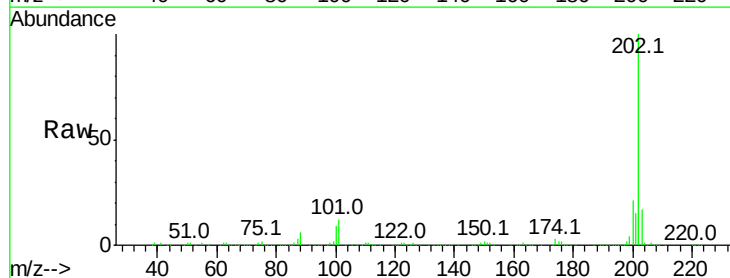


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

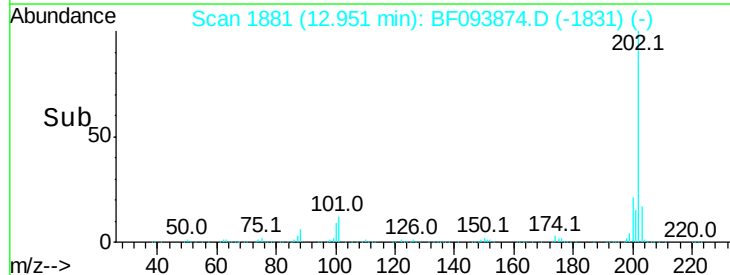
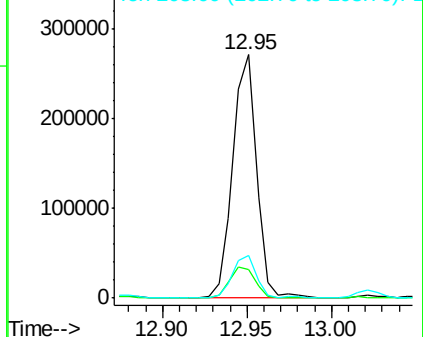


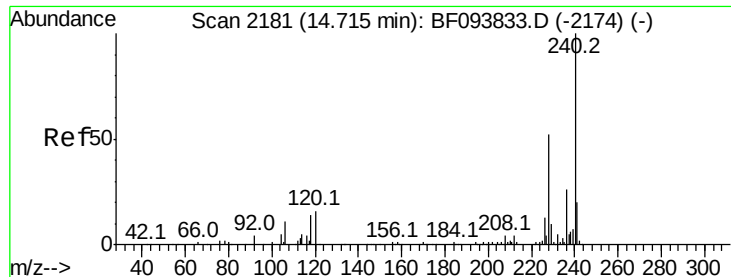
#74
 Fluoranthene
 Concen: 10.47 ng
 RT: 12.95 min Scan# 1881
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion:202 Resp: 264372
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 33.2
 203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

E2-R14-ESW

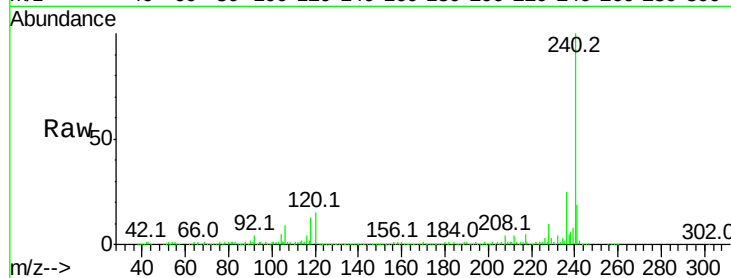
Tot Ion:240 Resp: 330341

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

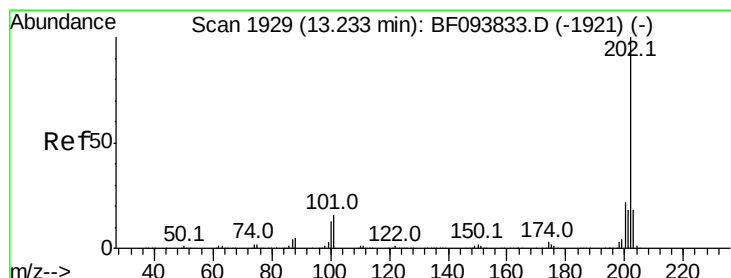
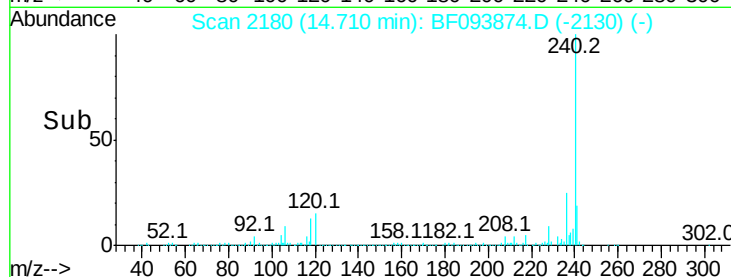
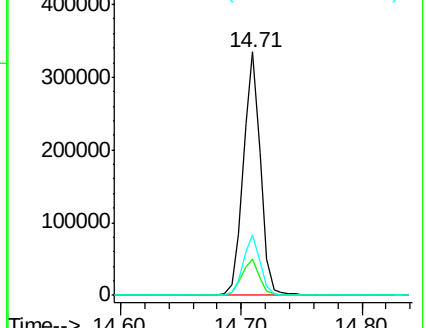
236 24.7 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.97 ng

RT: 13.23 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

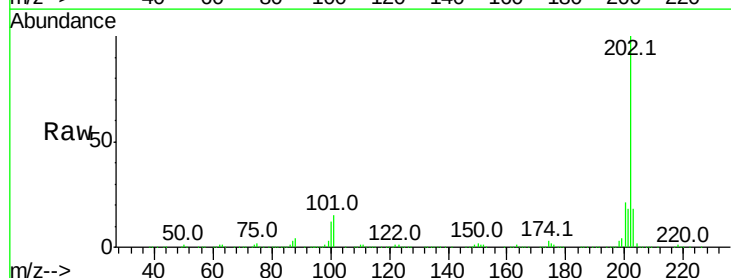
Tgt Ion:202 Resp: 358862

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

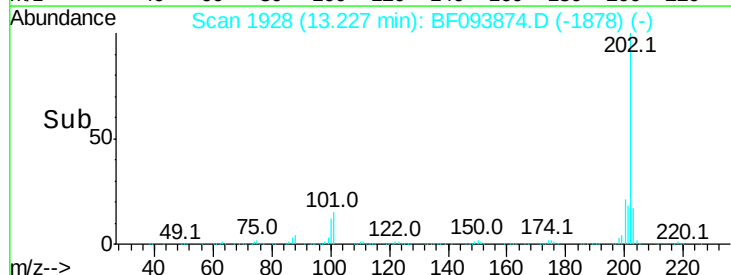
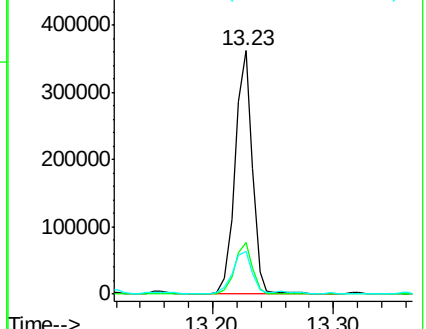
203 17.7 14.4 21.6

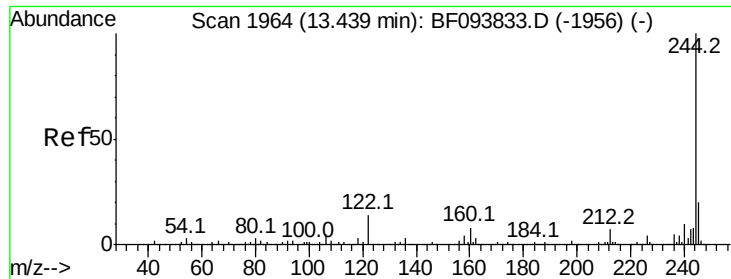


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

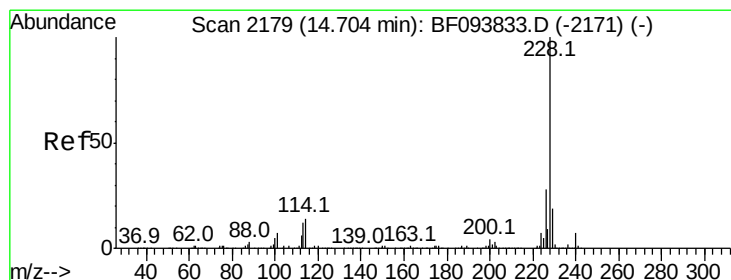
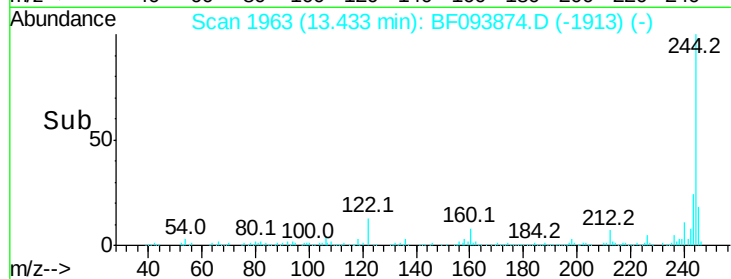
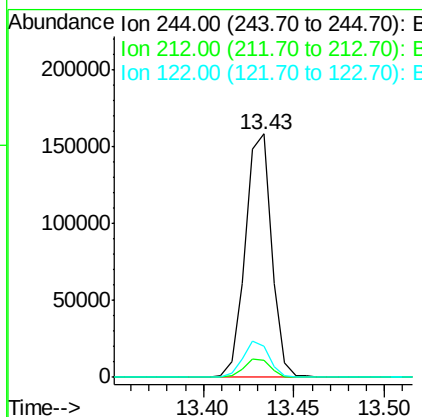
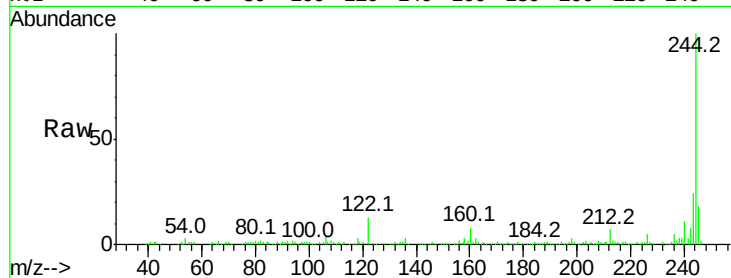




#78
 Terphenyl-d14
 Concen: 10.86 ng
 RT: 13.43 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

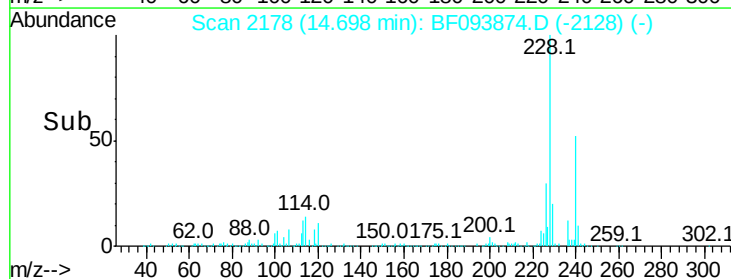
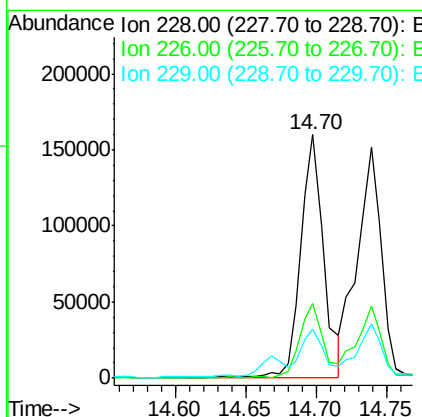
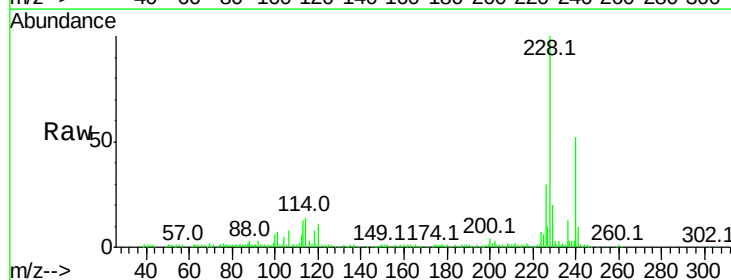
Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-ESW

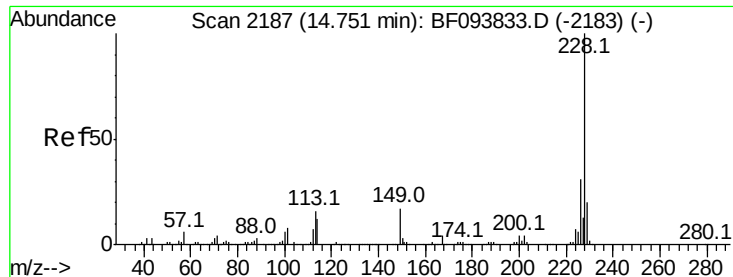
Tot Ion:244 Resp: 159999
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 9.33 ng
 RT: 14.70 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: BF093874.D
 Acq: 23 Mar 2017 10:51

Tgt Ion:228 Resp: 179687
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.6 33.8
 229 20.3 16.3 24.5





#82

Chrysene

Concen: 10.18 ng

RT: 14.74 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

E2-R14-ESW

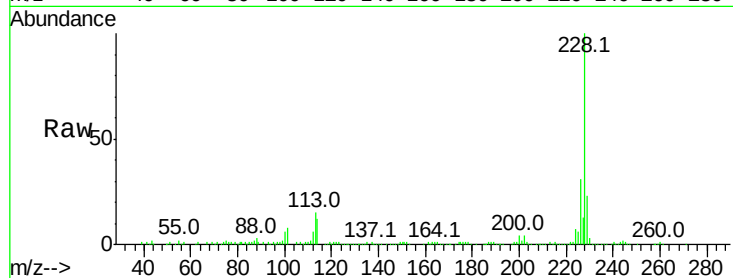
Tot Ion:228 Resp: 182039

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

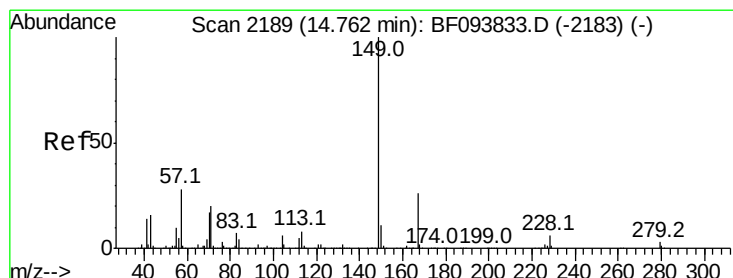
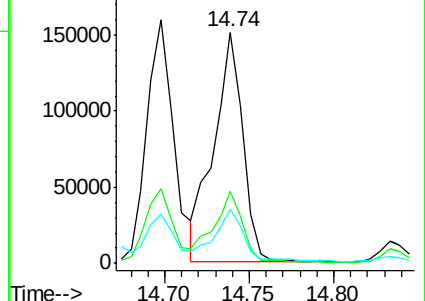
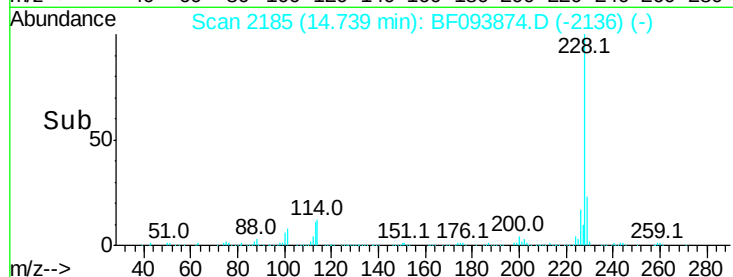
229 23.2 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.44 ng

RT: 14.76 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

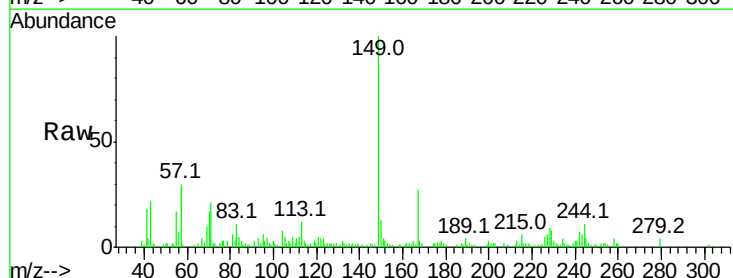
Tgt Ion:149 Resp: 33994

Ion Ratio Lower Upper

149 100

167 27.4 21.0 31.4

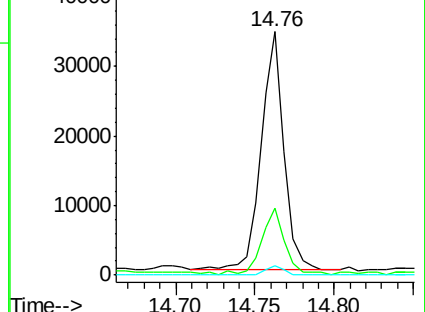
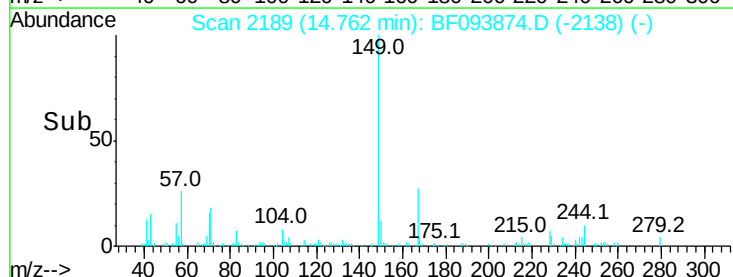
279 3.6 1.9 2.9#

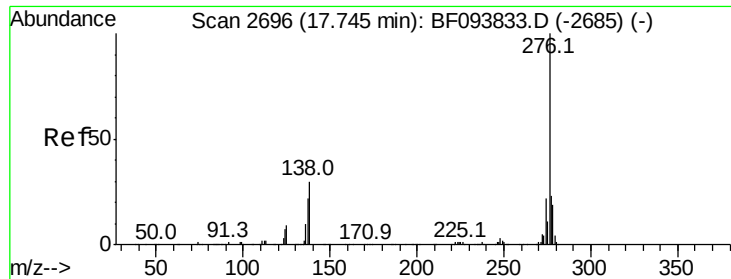


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.35 ng

RT: 17.73 min Scan# 2694

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

E2-R14-ESW

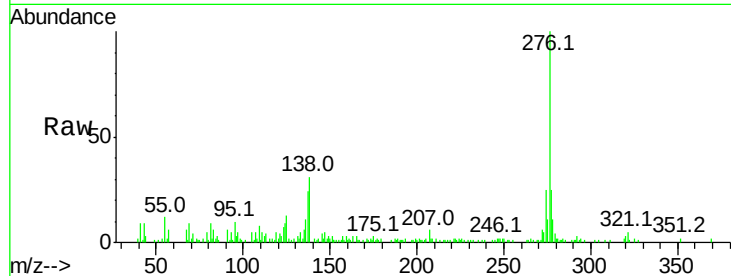
Tot Ion:276 Resp: 67415

Ion Ratio Lower Upper

276 100

138 28.8 27.8 41.6

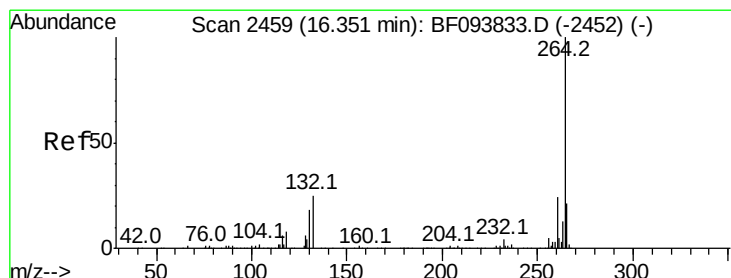
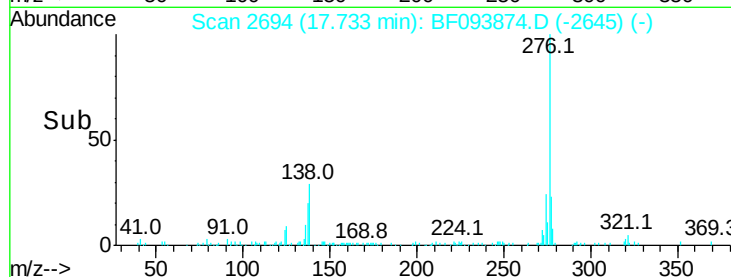
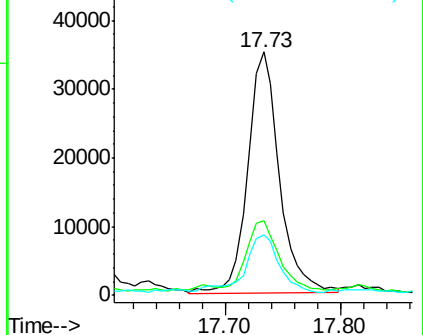
277 28.3 20.2 30.4



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: 16.35 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

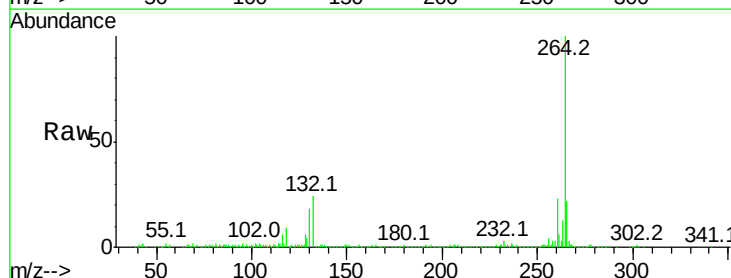
Tgt Ion:264 Resp: 303678

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

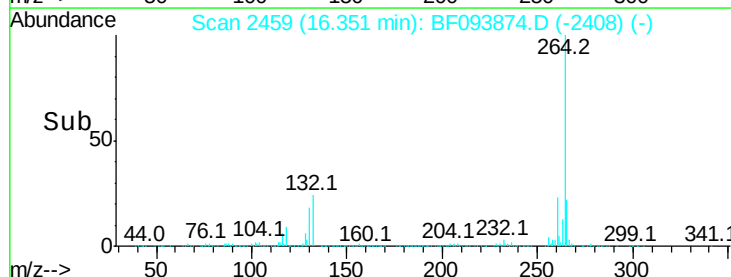
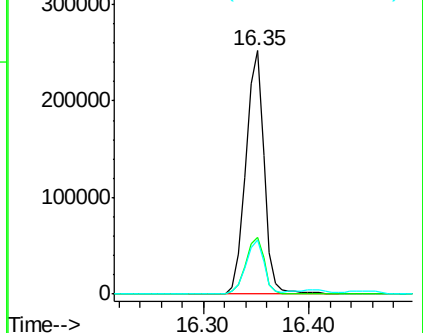
265 22.1 17.2 25.8

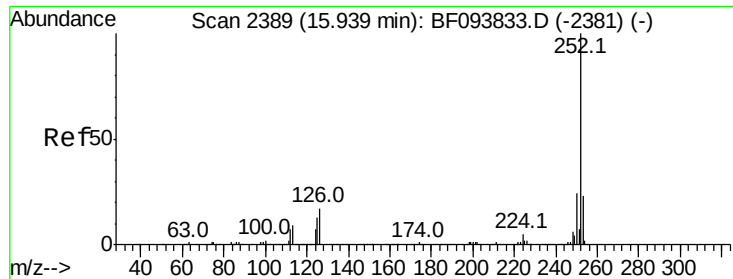


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 12.37 ng m

RT: 15.93 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

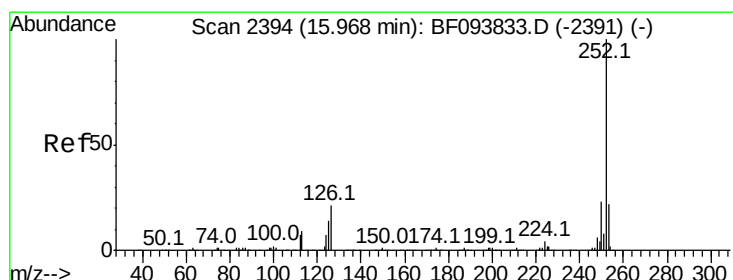
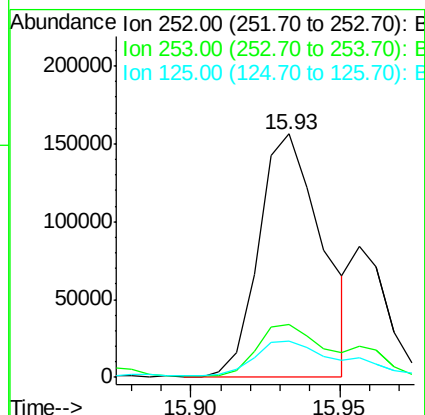
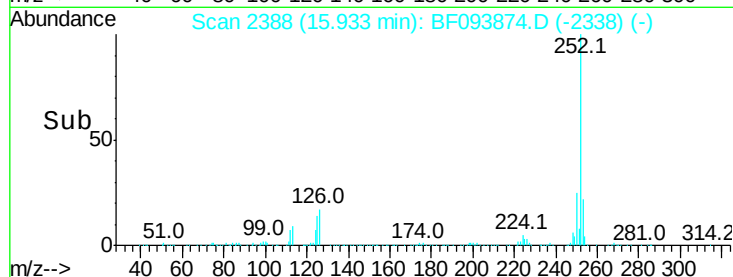
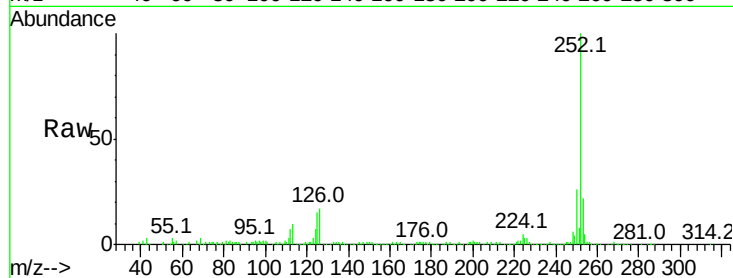
Instrument :

BNA_F

ClientSampleId :

E2-R14-ESW

Tot Ion:	252	Resp:	230259
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	14.9	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 3.92 ng m

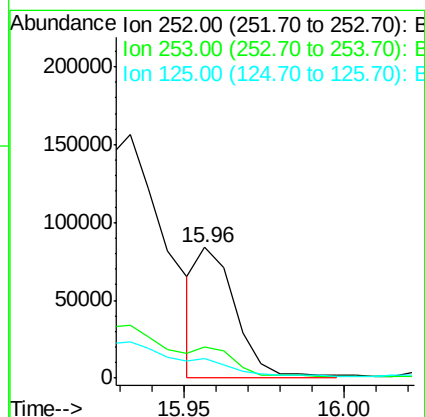
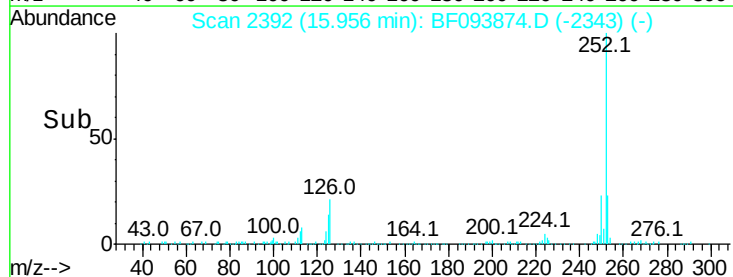
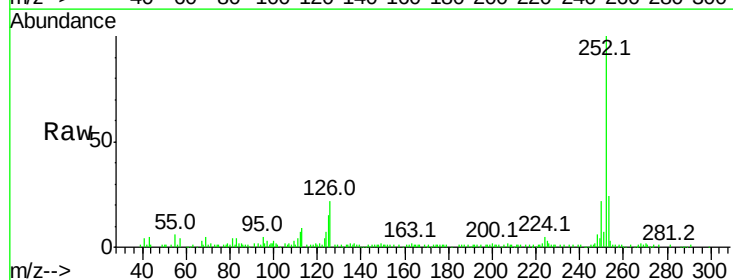
RT: 15.96 min Scan# 2392

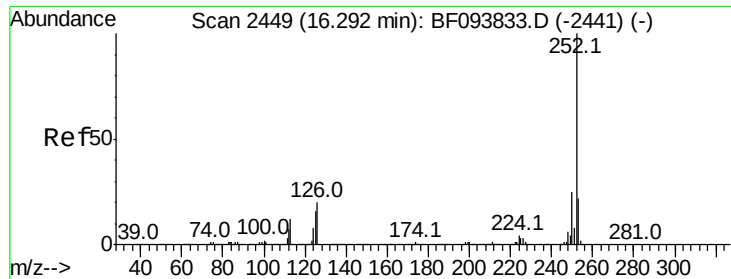
Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Tgt Ion:	252	Resp:	71403
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	15.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 7.15 ng

RT: 16.29 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

Instrument :

BNA_F

ClientSampleId :

E2-R14-ESW

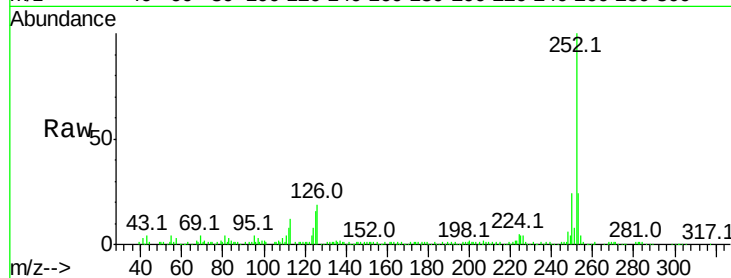
Tot Ion:252 Resp: 122517

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

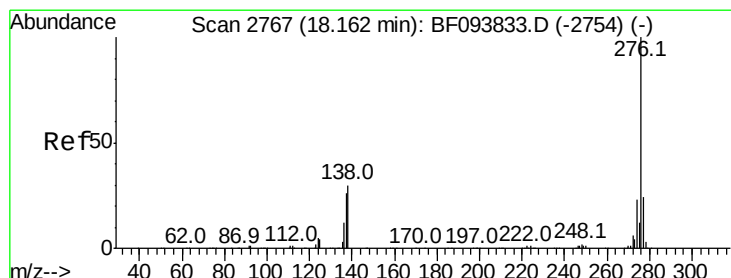
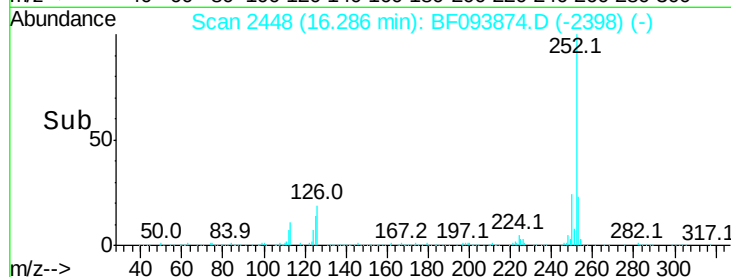
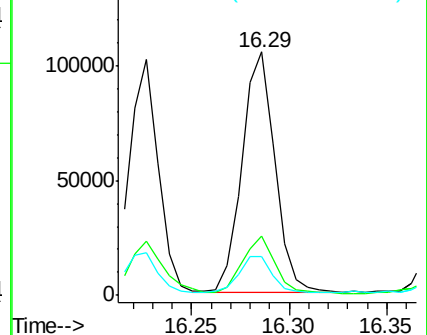
125 15.8 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 4.19 ng

RT: 18.14 min Scan# 2764

Delta R.T. -0.02 min

Lab File: BF093874.D

Acq: 23 Mar 2017 10:51

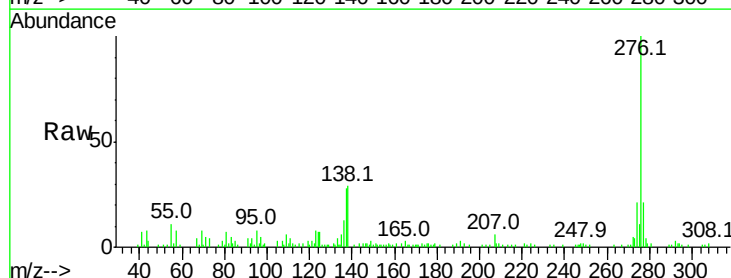
Tgt Ion:276 Resp: 61342

Ion Ratio Lower Upper

276 100

277 21.3 18.6 28.0

138 29.4 25.4 38.0



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

