

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
 Data File : BF094740.D
 Acq On : 1 May 2017 4:13
 Operator : SJ/MA
 Sample : I2902-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:53:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	110298	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	414583	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	200340	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	321919	20.00	ng	0.00
75) Chrysene-d12	14.47	240	217152	20.00	ng	0.00
86) Perylene-d12	16.09	264	207239	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	362966	54.60	ng	0.02
7) Phenol-d6	5.40	99	288554	36.82	ng	0.00
23) Nitrobenzene-d5	6.42	82	636680	94.83	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	196355	125.30	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1227732	90.17	ng	0.00
78) Terphenyl-d14	13.19	244	838712	103.24	ng	0.00

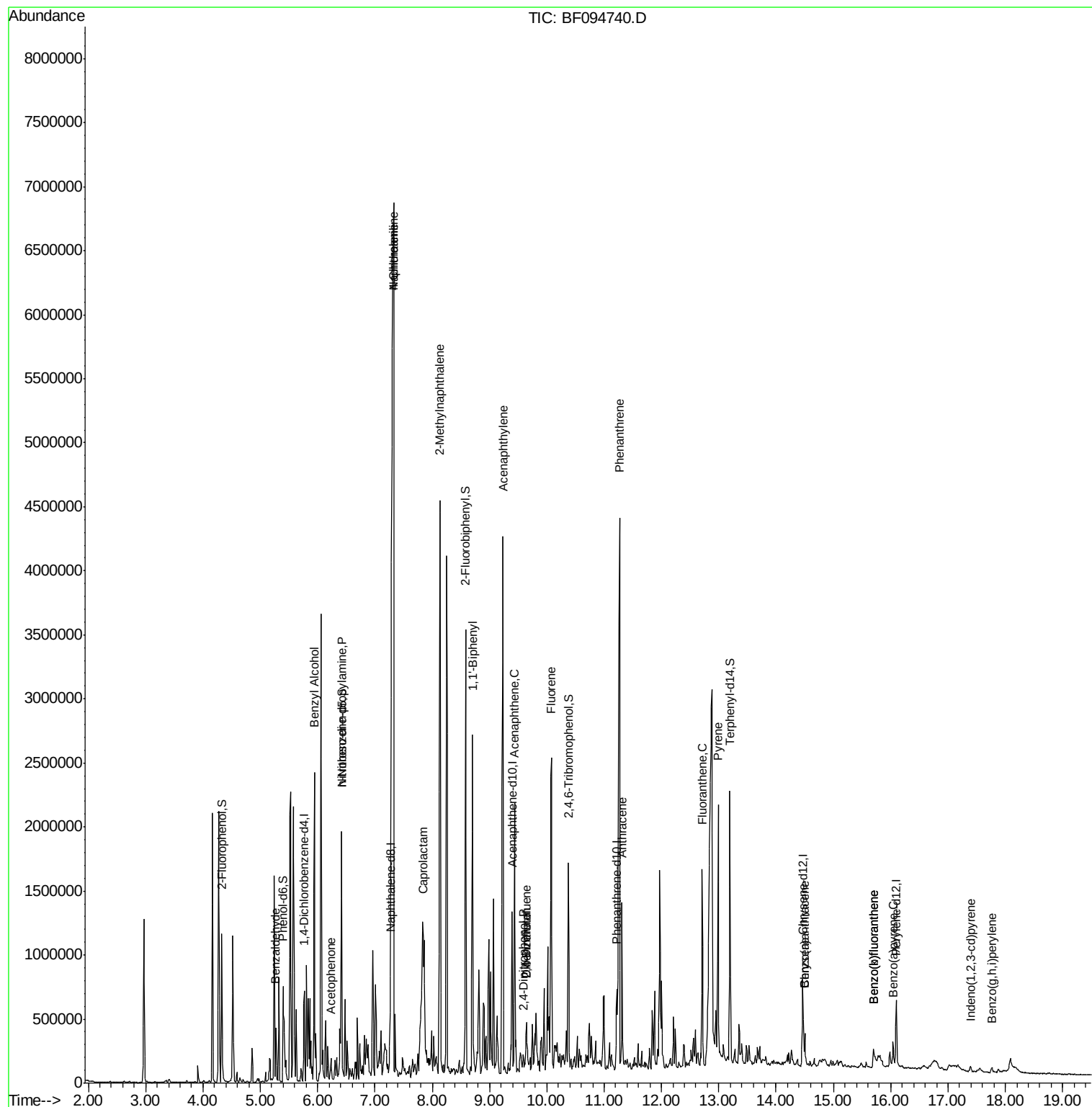
Target Compounds						Qvalue
9) Benzaldehyde	5.27	77	23542	3.95	ng	# 1
15) Benzyl Alcohol	5.94	79	34343	5.91	ng	# 77
19) n-Nitroso-di-n-propylamine	6.42	70	88182	16.98	ng	# 77
22) Acetophenone	6.24	105	72780	7.22	ng	# 86
31) Naphthalene	7.32	128	7854853	394.11	ng	98
33) 4-Chloroaniline	7.32	127	1130067	136.30	ng	# 35
35) Caprolactam	7.85	113	327864	181.83	ng	88
37) 2-Methylnaphthalene	8.14	142	1768062	129.66	ng	99
45) 1,1'-Biphenyl	8.70	154	882753	53.93	ng	98
48) Acenaphthylene	9.23	152	2375777	117.10	ng	99
51) Acenaphthene	9.44	154	483405	39.78	ng	98
53) 2,4-Dinitrophenol	9.60	184	109	5.81	ng	# 1
54) Dibenzofuran	9.65	168	90704	5.14	ng	# 97
56) 2,4-Dinitrotoluene	9.64	165	10084	2.45	ng	# 67
57) Fluorene	10.08	166	855990	62.24	ng	99
70) Phenanthrene	11.27	178	2534102	139.79	ng	100
71) Anthracene	11.31	178	530583	28.30	ng	98
74) Fluoranthene	12.71	202	729407	38.82	ng	99
77) Pyrene	12.99	202	937746	61.81	ng	99
80) Benzo(a)anthracene	14.50	228	109155	8.65	ng	97
82) Chrysene	14.50	228	109155	9.46	ng	99
85) Indeno(1,2,3-cd)pyrene	17.38	276	23980	2.18	ng	96
87) Benzo(b)fluoranthene	15.70	252	90611	7.15	ng	# 96
88) Benzo(k)fluoranthene	15.70	252	90611	7.55	ng	99
89) Benzo(a)pyrene	16.04	252	68001	5.77	ng	97
91) Benzo(g,h,i)perylene	17.76	276	26821	2.69	ng	99

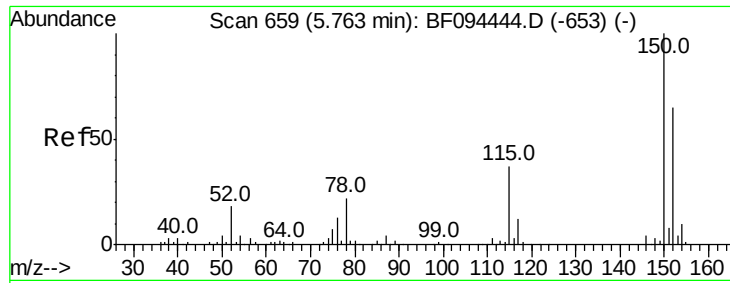
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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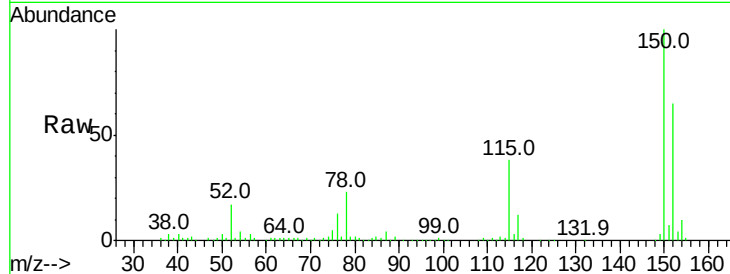


#1

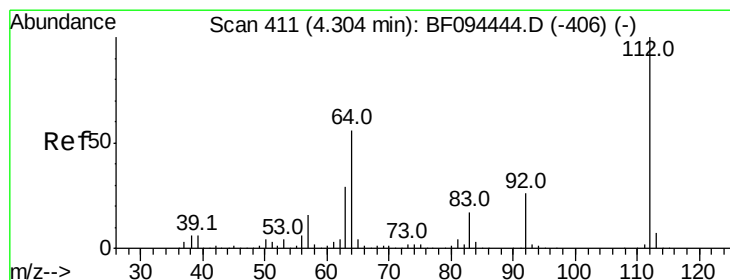
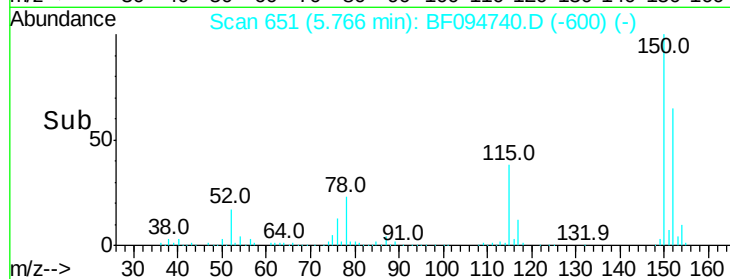
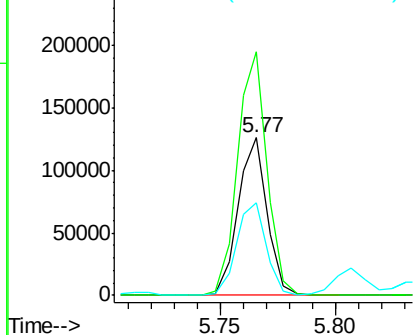
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 110298
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.2
115 58.9 52.2 78.2



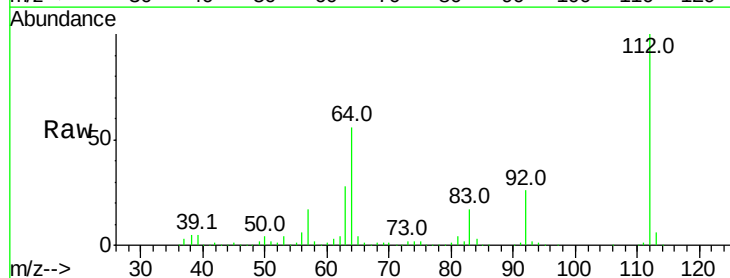
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



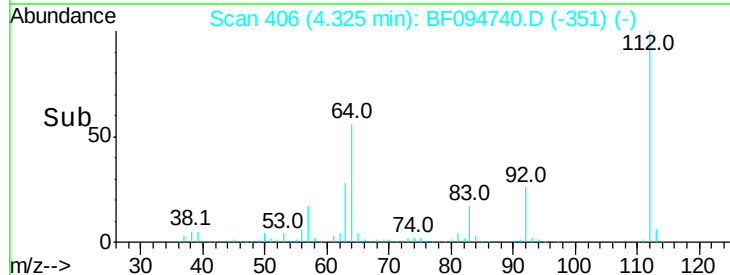
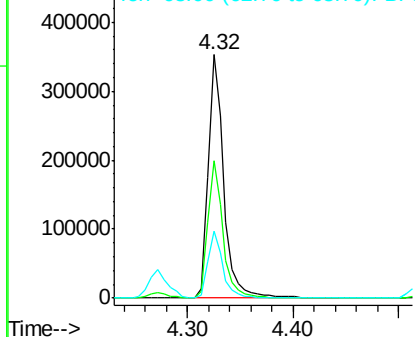
#5

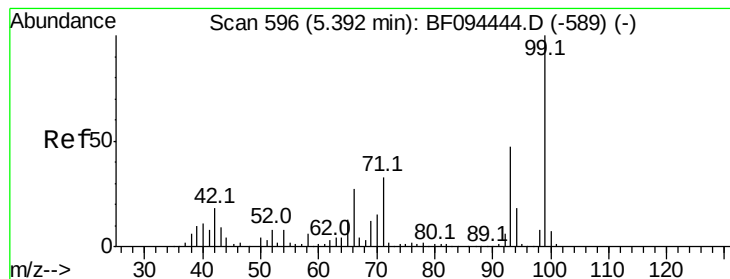
2-Fluorophenol
Concen: 54.60 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

Tgt Ion:112 Resp: 362966
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 27.6 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: 36.82 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampleId :

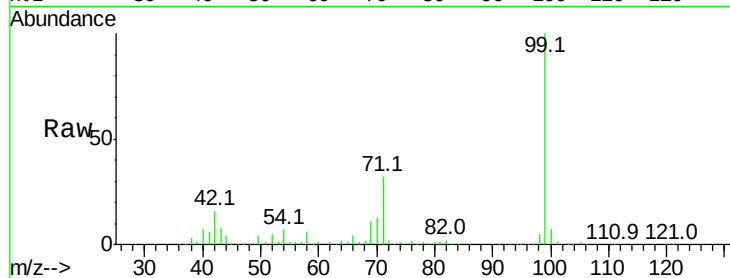
Tot Ion: 99 Resp: 288554

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

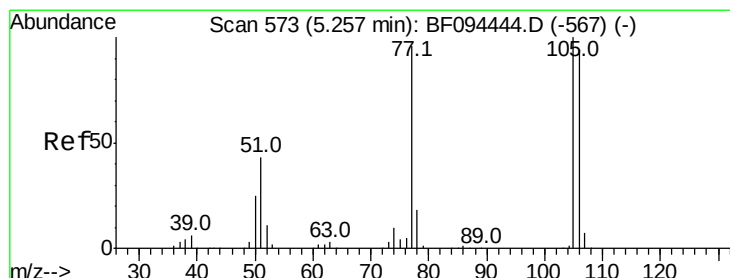
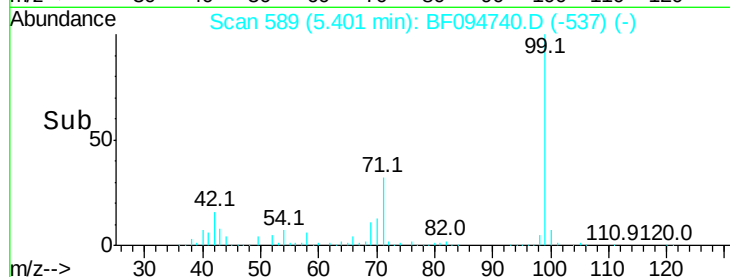
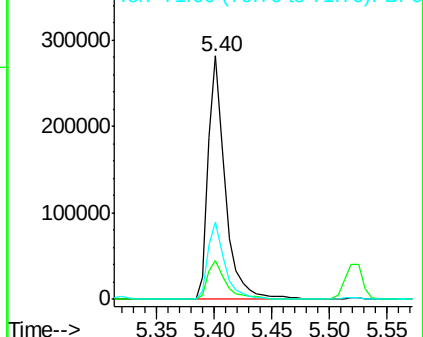
71 31.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.95 ng

RT: 5.27 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

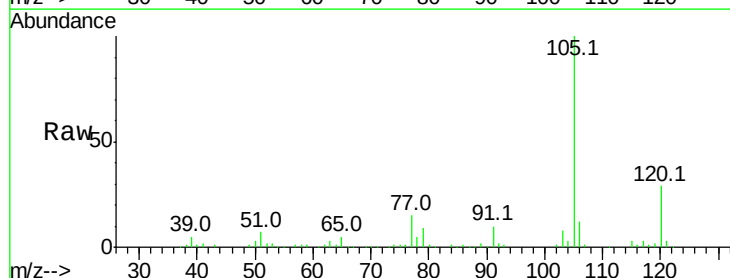
Tgt Ion: 77 Resp: 23542

Ion Ratio Lower Upper

77 100

105 659.4 83.8 123.8#

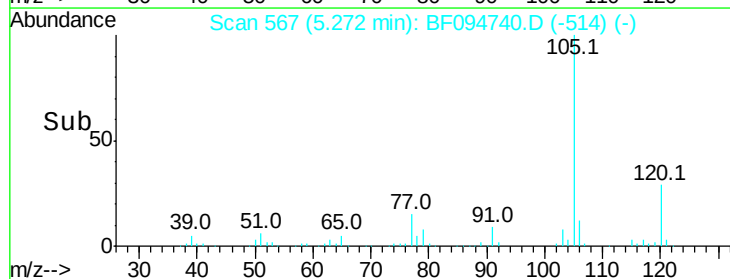
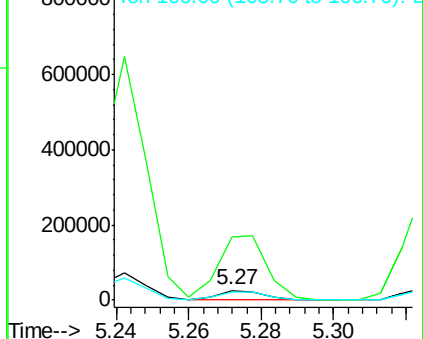
106 78.8 79.1 119.1#

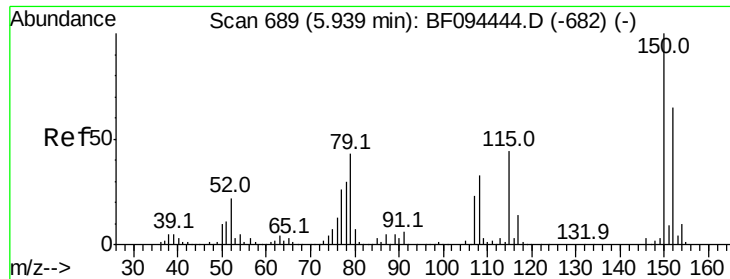


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

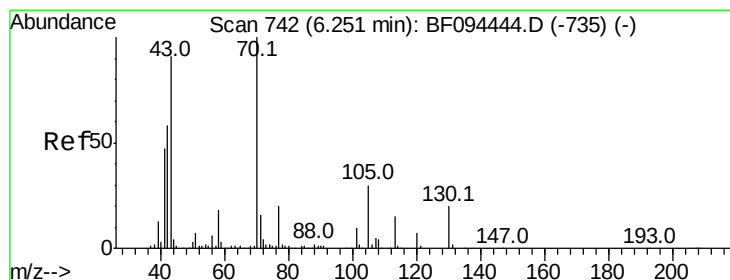
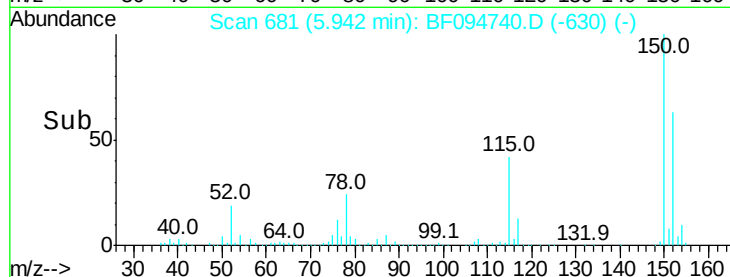
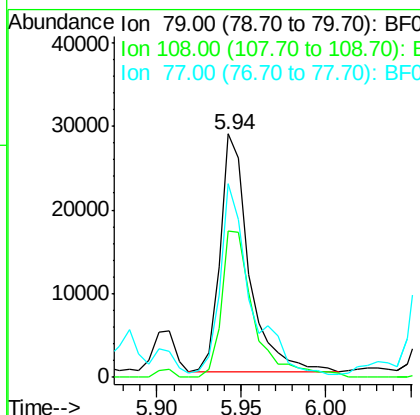
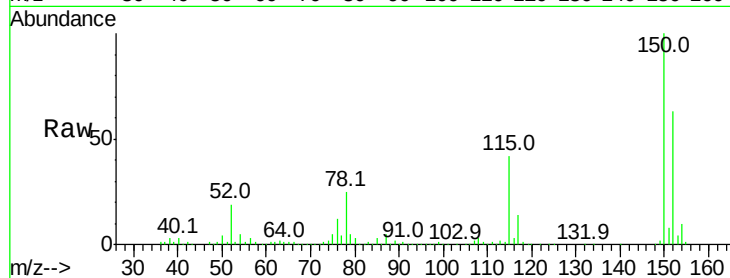




#15
Benzyl Alcohol
Concen: 5.91 ng
RT: 5.94 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

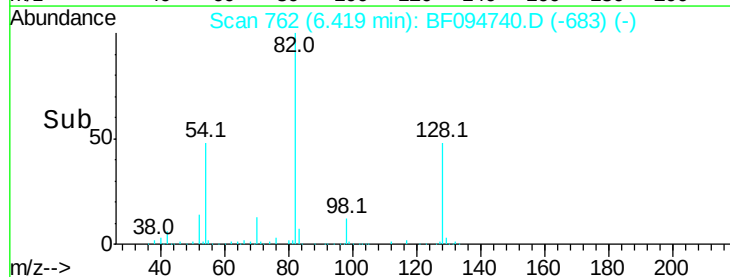
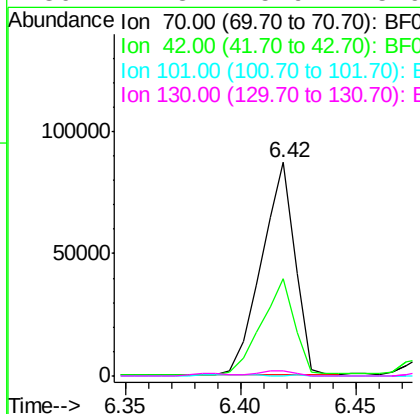
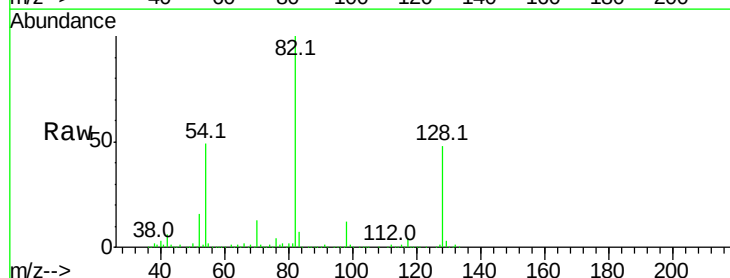
Instrument :
BNA_F
ClientSampleId :

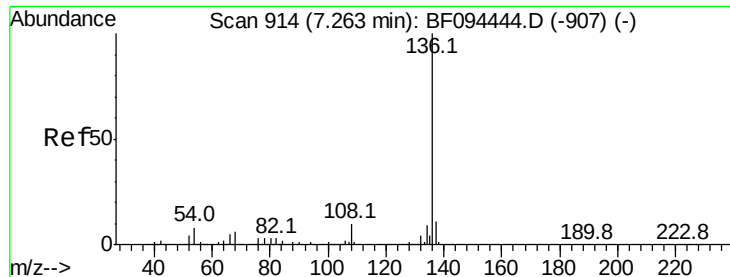
Tot Ion: 79 Resp: 34343
Ion Ratio Lower Upper
79 100
108 60.0 63.4 95.0#
77 79.6 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 16.98 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.17 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

Tgt Ion: 70 Resp: 88182
Ion Ratio Lower Upper
70 100
42 45.4 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 414583

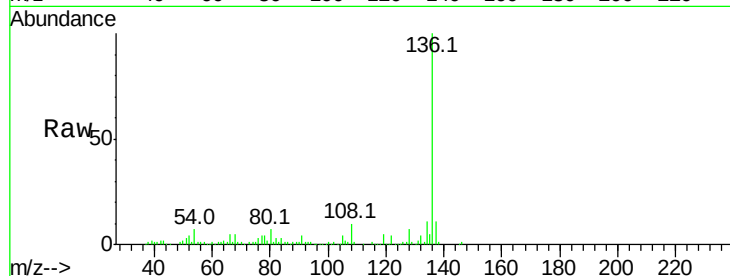
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.5 4.9 7.3

68 5.1 4.1 6.1

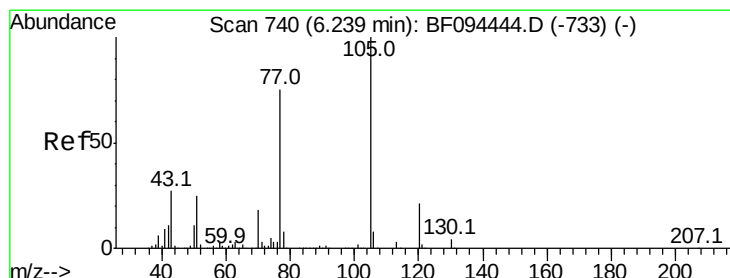
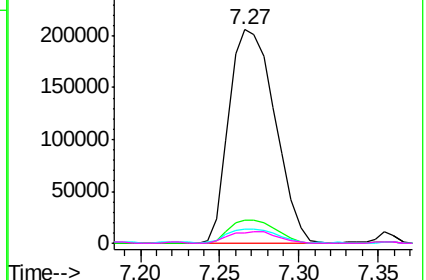
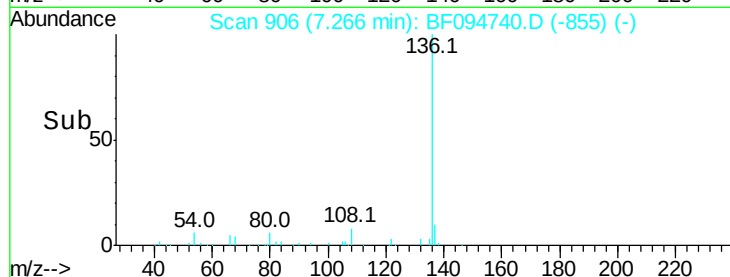


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 7.22 ng

RT: 6.24 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Tgt Ion:105 Resp: 72780

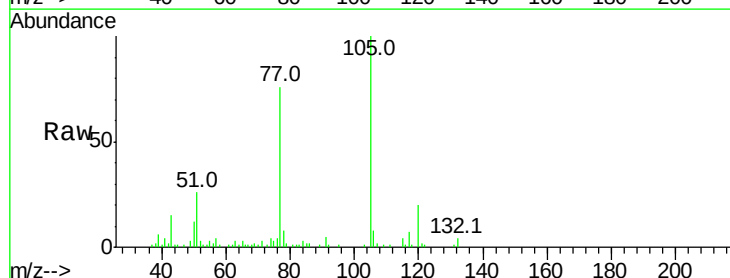
Ion Ratio Lower Upper

105 100

71 2.8 2.8 4.2

51 25.8 30.7 46.1#

120 19.9 17.4 26.0

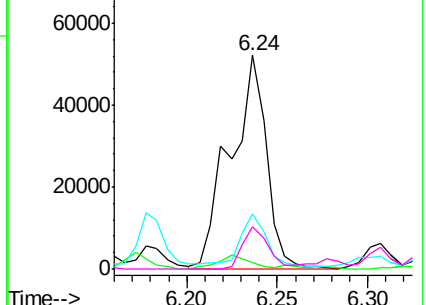
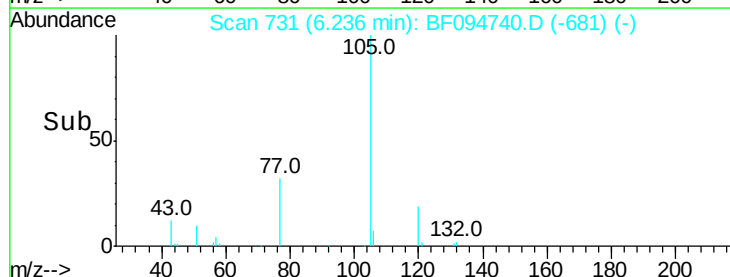


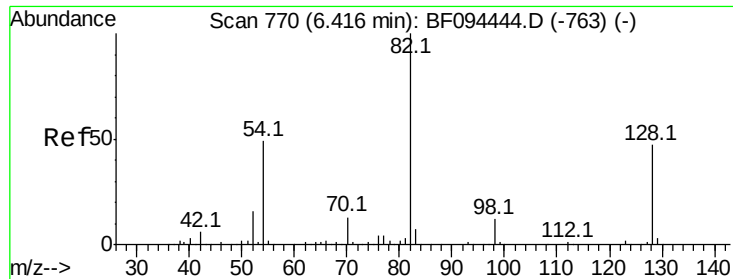
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

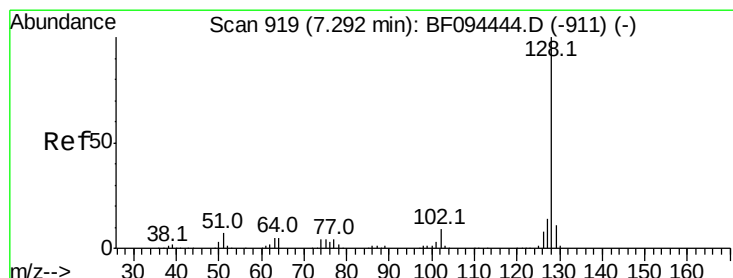
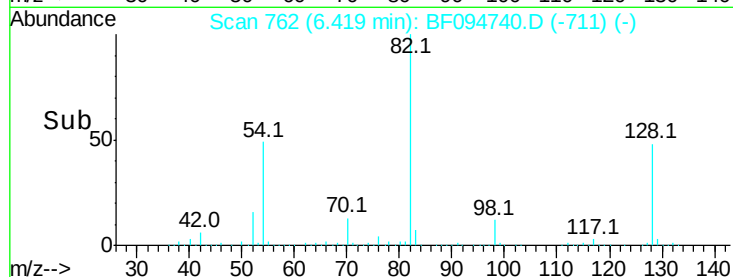
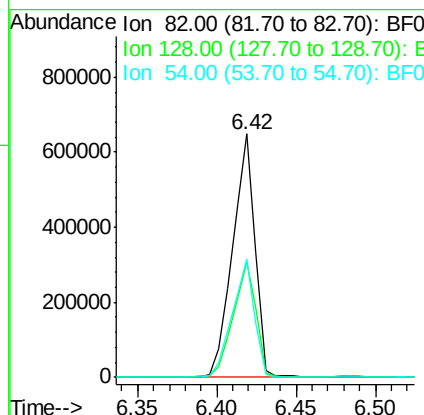
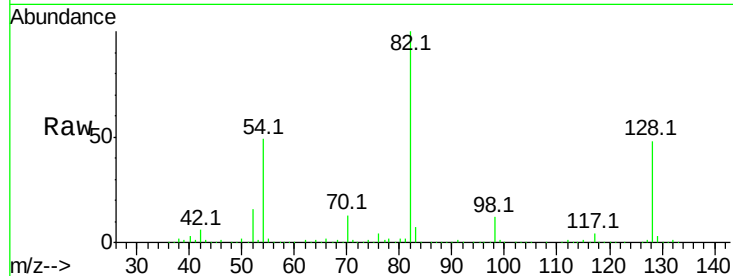




#23
 Nitrobenzene-d5
 Concen: 94.83 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

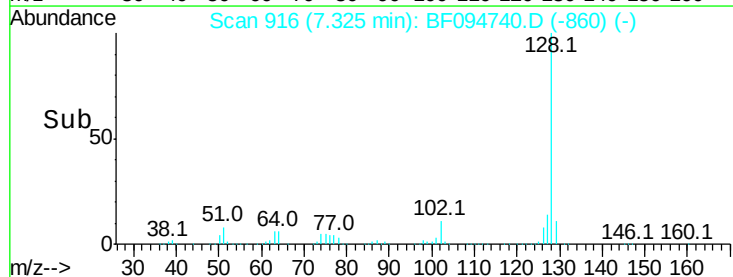
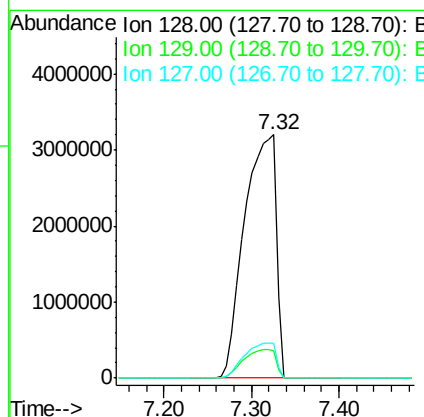
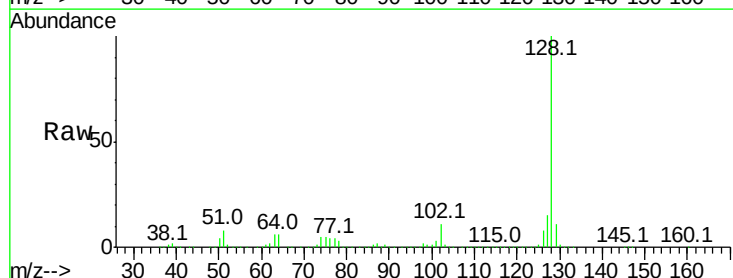
Instrument :
 BNA_F
 ClientSampleId :

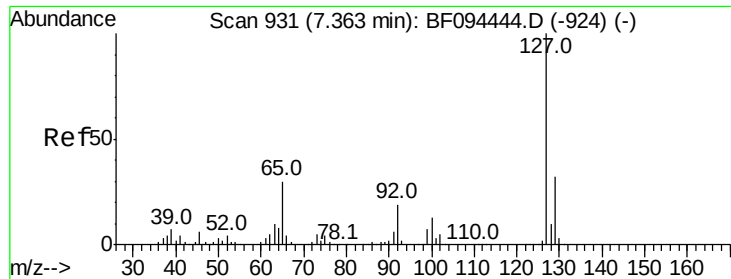
Tot Ion: 82 Resp: 636680
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.0 51.0
 54 48.6 42.2 63.2



#31
 Naphthalene
 Concen: 394.11 ng
 RT: 7.32 min Scan# 916
 Delta R.T. 0.03 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Tgt Ion:128 Resp: 7854853
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.0 13.6
 127 14.6 10.8 16.2

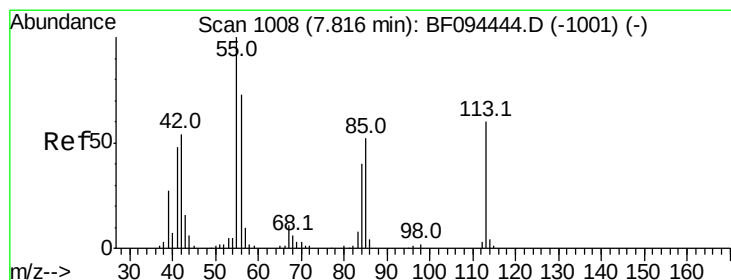
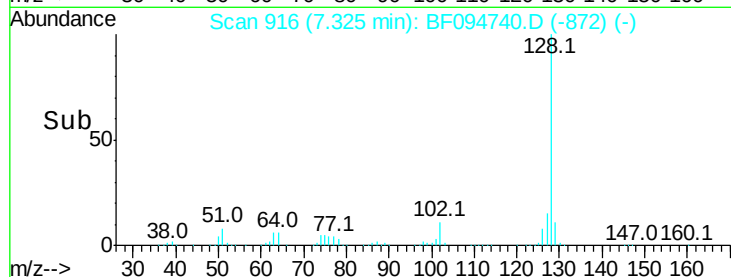
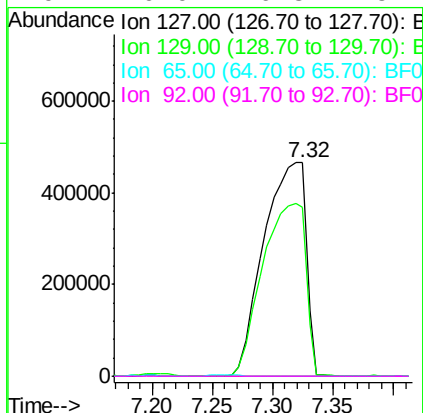
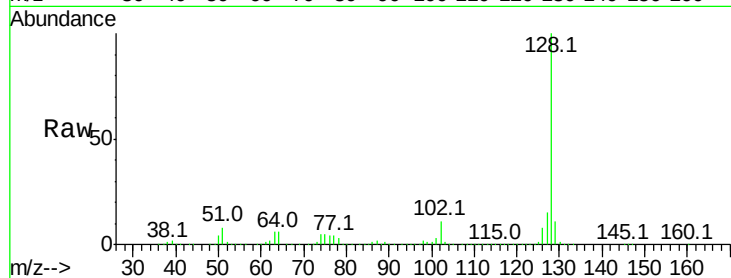




#33
 4-Chloroaniline
 Concen: 136.30 ng
 RT: 7.32 min Scan# 916
 Delta R.T. -0.04 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

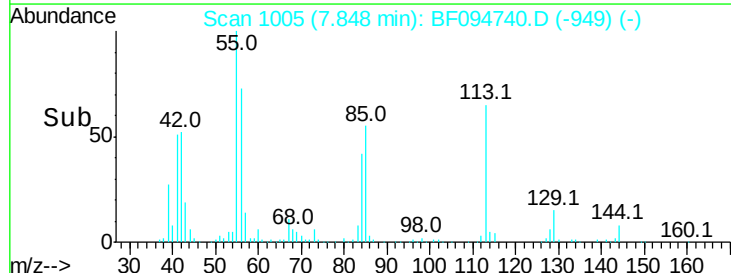
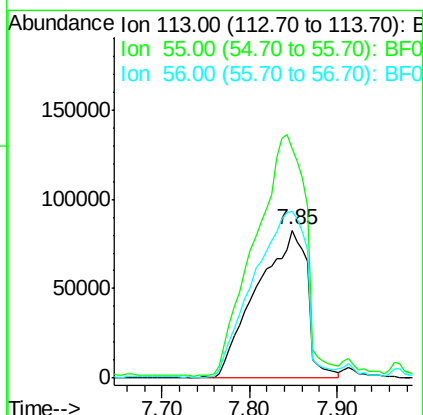
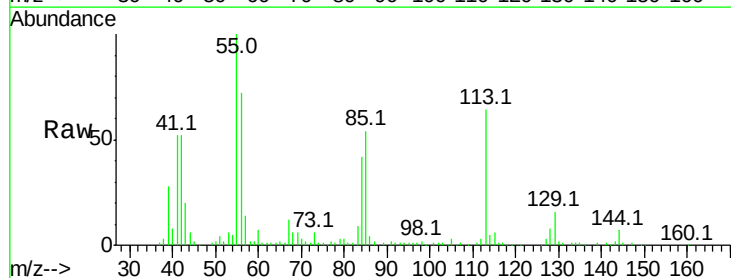
Instrument :
 BNA_F
 ClientSampleId :

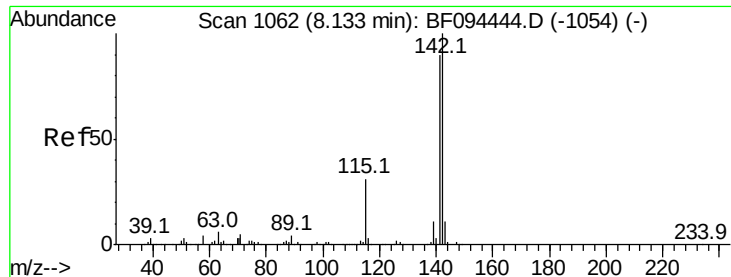
Tot Ion:	127	Resp:	1130067
Ion	Ratio	Lower	Upper
127	100		
129	78.9	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#35
 Caprolactam
 Concen: 181.83 ng
 RT: 7.85 min Scan# 1005
 Delta R.T. 0.03 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Tgt Ion:	113	Resp:	327864
Ion	Ratio	Lower	Upper
113	100		
55	155.7	150.2	190.2
56	112.8	107.8	147.8





#37

2-Methylnaphthalene

Concen: 129.66 ng

RT: 8.14 min Scan# 1054

Delta R.T. 0.00 min

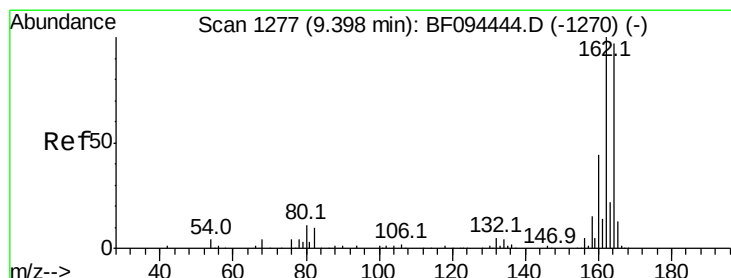
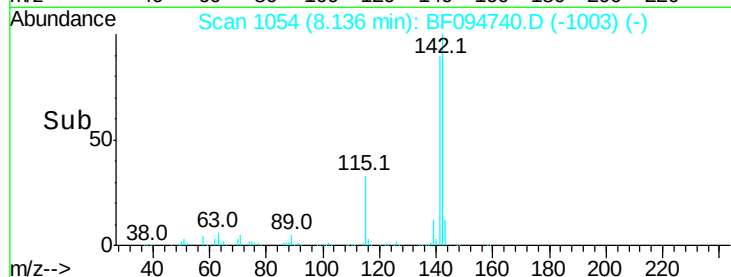
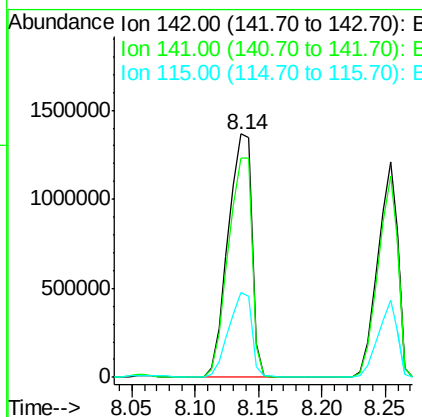
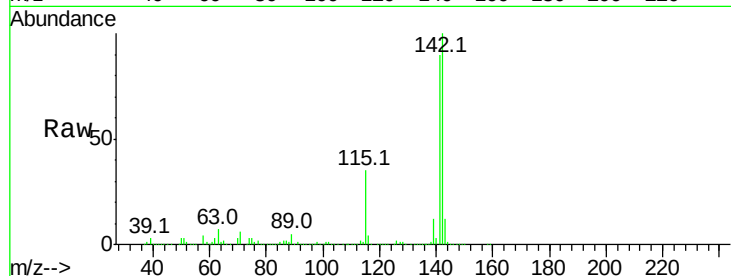
Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 1768062

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	34.7	27.1	40.7



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 1268

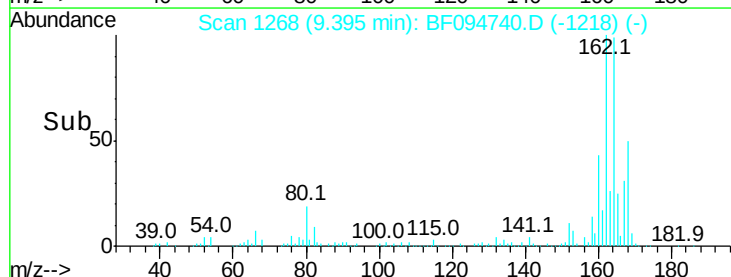
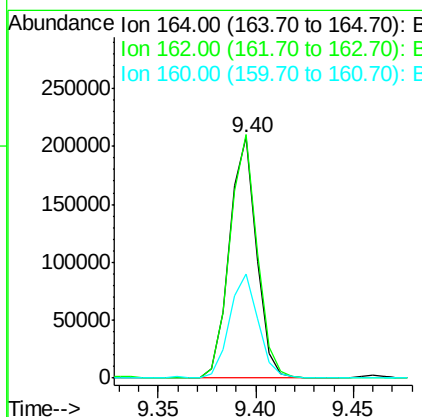
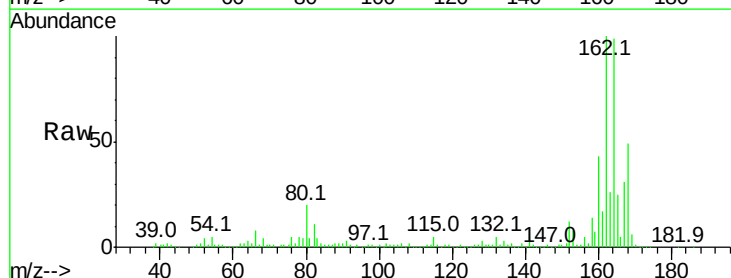
Delta R.T. -0.00 min

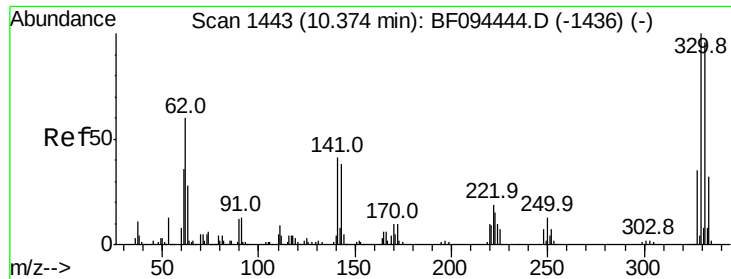
Lab File: BF094740.D

Acq: 1 May 2017 4:13

Tgt Ion:164 Resp: 200340

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	43.5	36.2	54.2

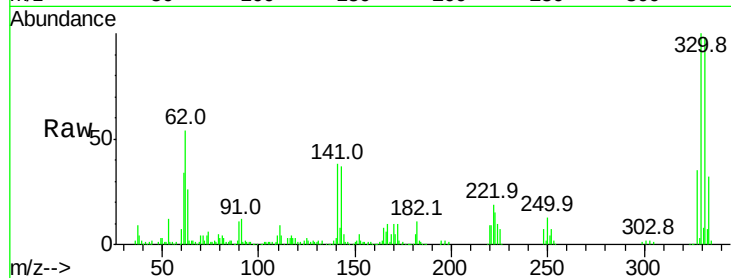




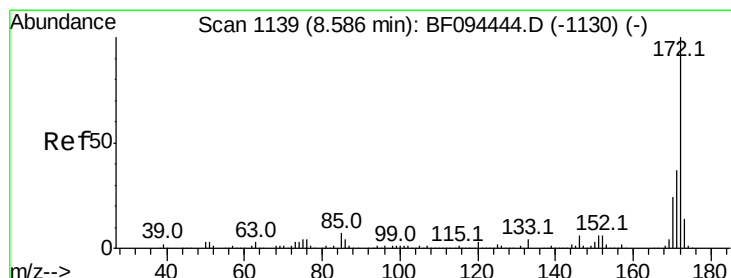
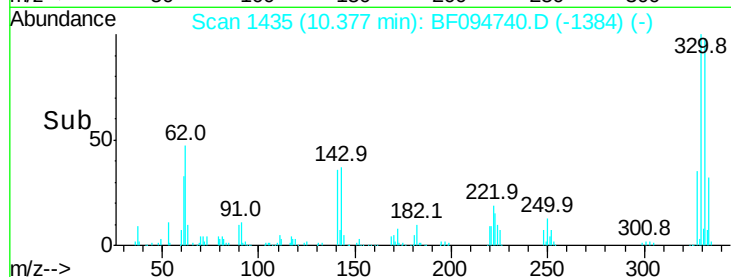
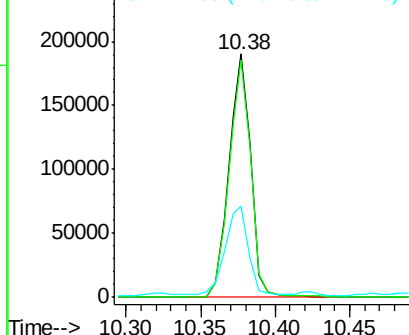
#41
 2,4,6-Tribromophenol
 Concen: 125.30 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 196355
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 39.6 31.4 47.2

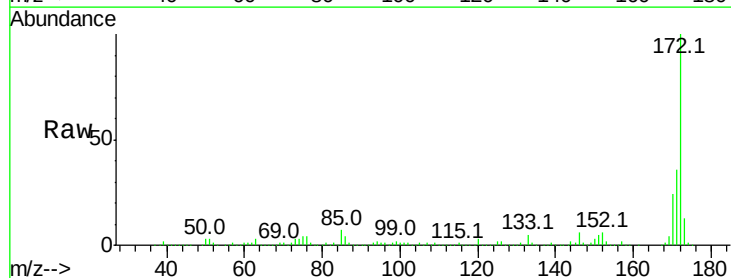


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

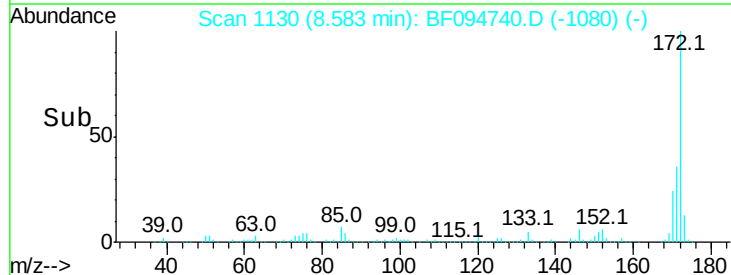
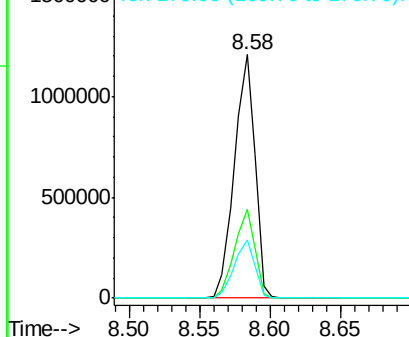


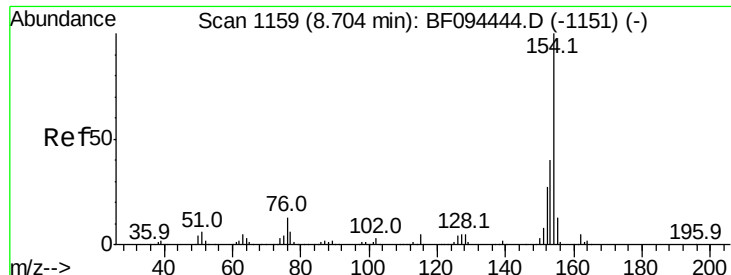
#44
 2-Fluorobiphenyl
 Concen: 90.17 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Tgt Ion:172 Resp: 1227732
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.7 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

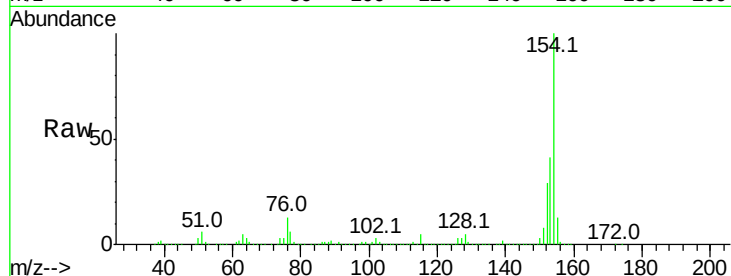




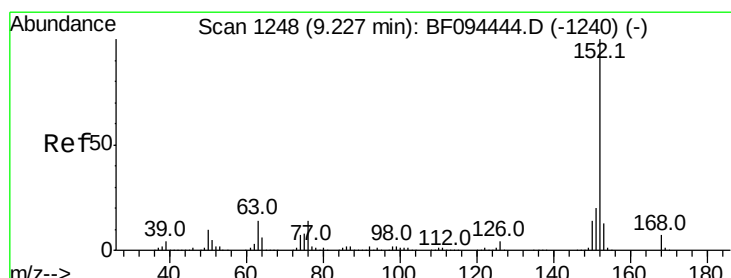
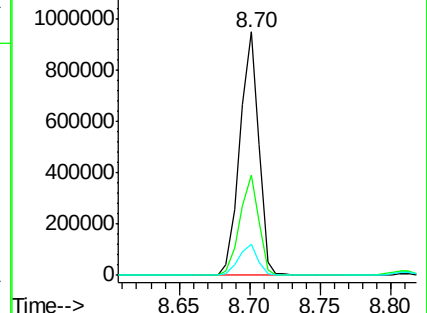
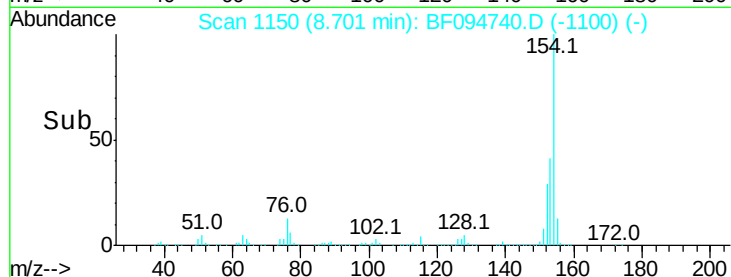
#45
 1,1'-Biphenyl
 Concen: 53.93 ng
 RT: 8.70 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 882753
 Ion Ratio Lower Upper
 154 100
 153 41.4 21.2 61.2
 76 12.6 0.0 29.9

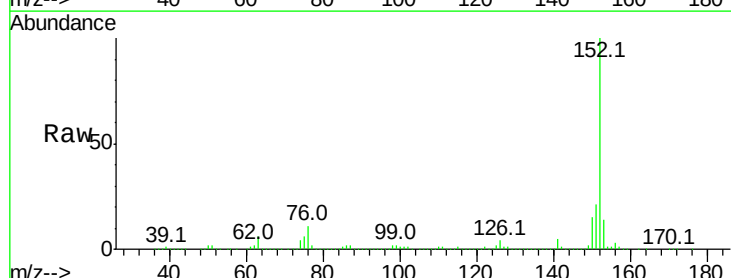


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

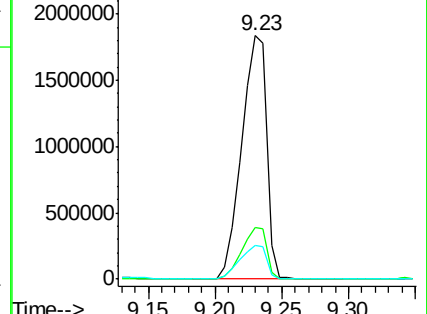
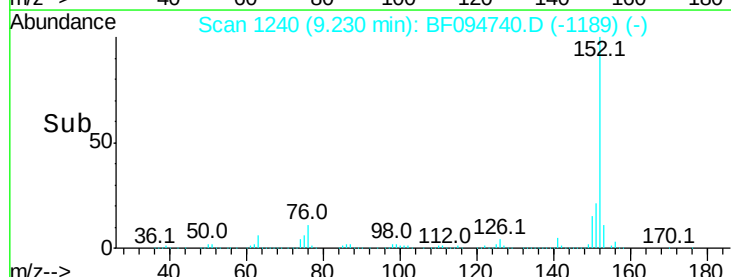


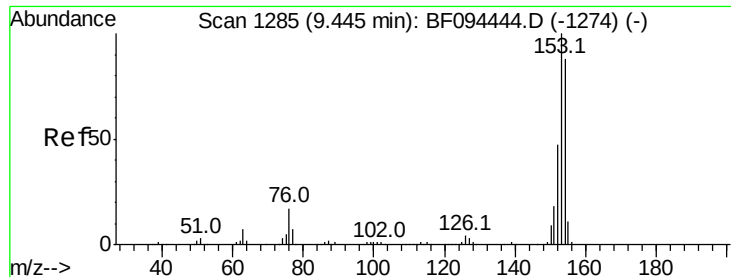
#48
 Acenaphthylene
 Concen: 117.10 ng
 RT: 9.23 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Tgt Ion:152 Resp: 2375777
 Ion Ratio Lower Upper
 152 100
 151 21.1 16.8 25.2
 153 14.1 10.8 16.2



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





#51

Acenaphthene

Concen: 39.78 ng

RT: 9.44 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampleId :

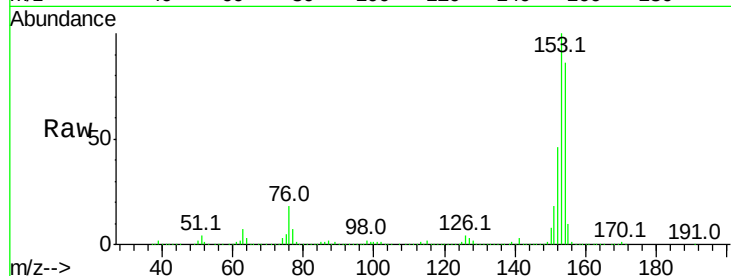
Tot Ion:154 Resp: 483405

Ion Ratio Lower Upper

154 100

153 115.7 90.5 135.7

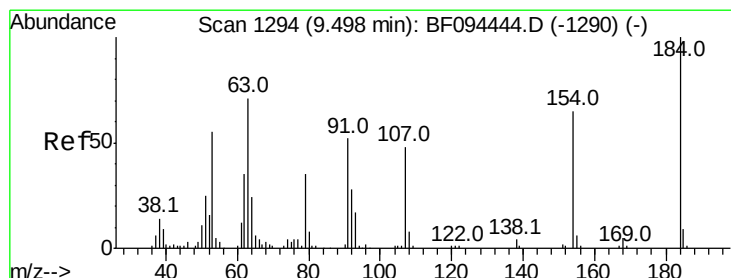
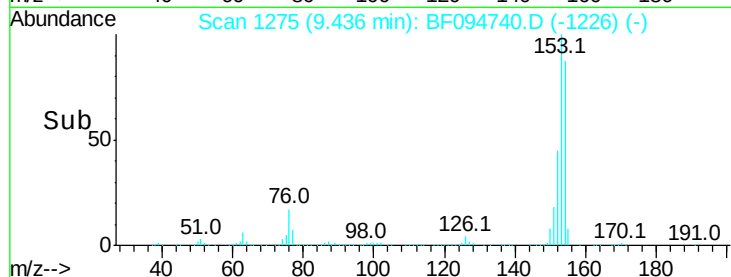
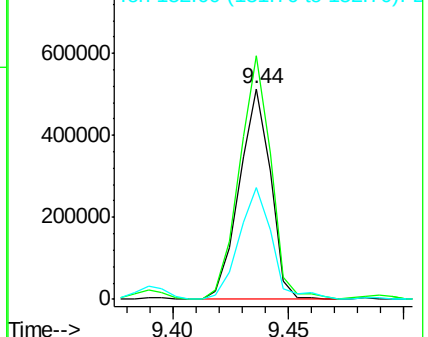
152 53.3 43.6 65.4



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



#53

2,4-Dinitrophenol

Concen: 5.81 ng

RT: 9.60 min Scan# 1302

Delta R.T. 0.10 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

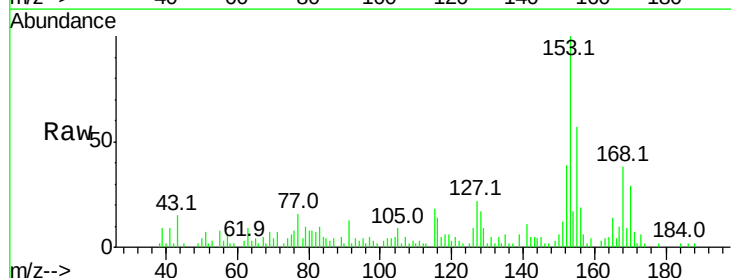
Tgt Ion:184 Resp: 109

Ion Ratio Lower Upper

184 100

63 536.4 62.7 94.1#

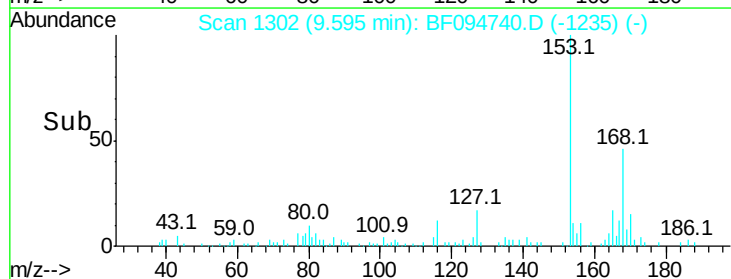
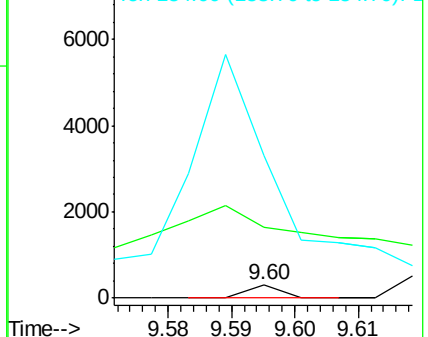
154 1074.4 81.1 121.7#

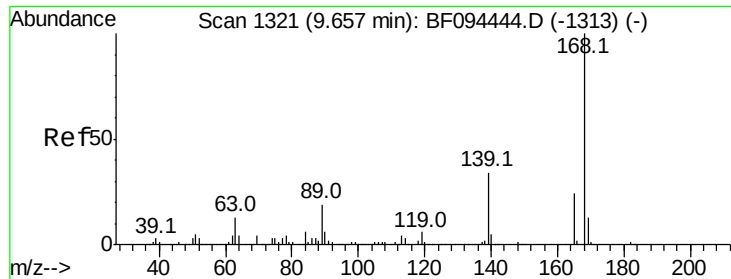


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

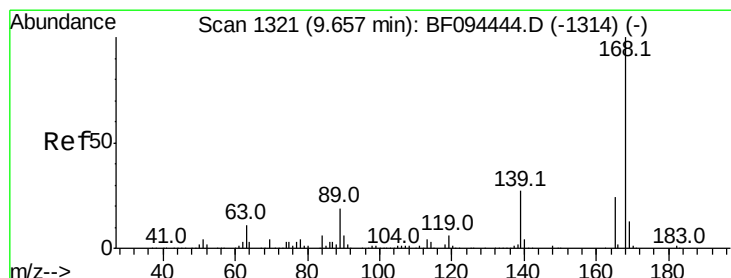
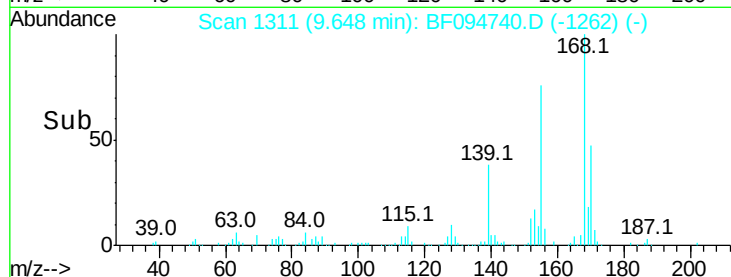
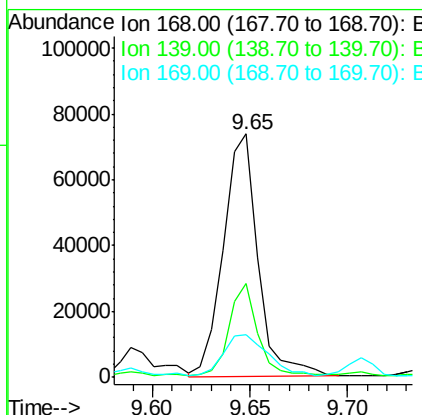
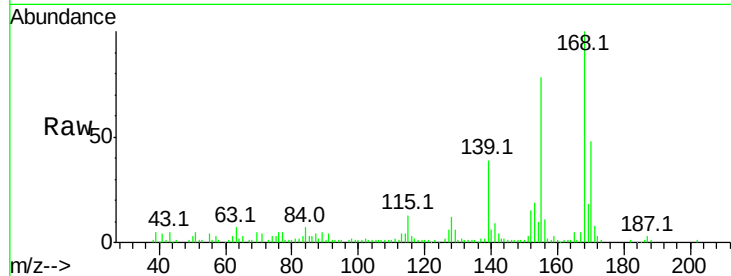




#54
Dibenzofuran
Concen: 5.14 ng
RT: 9.65 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

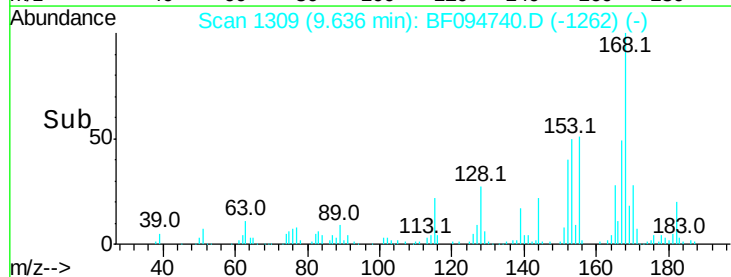
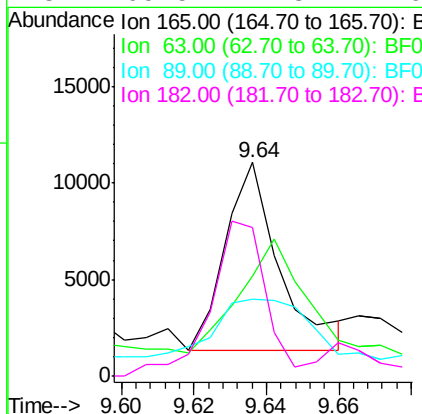
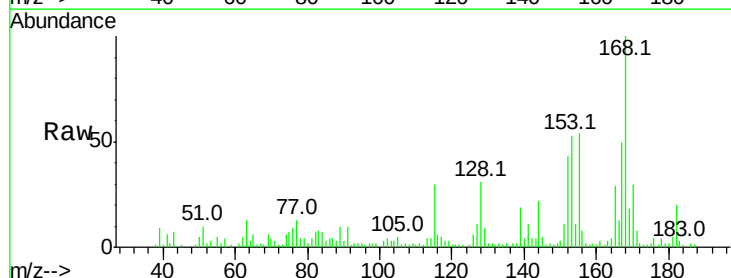
Instrument :
BNA_F
ClientSampled :

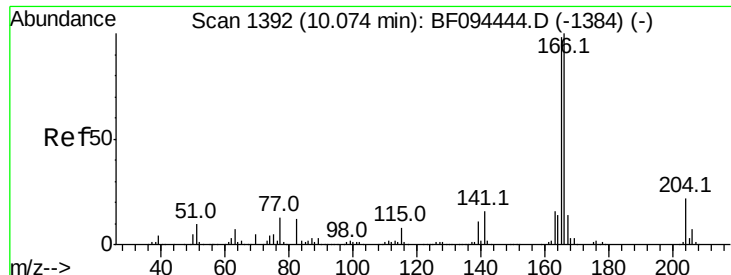
Tot Ion:168 Resp: 90704
Ion Ratio Lower Upper
168 100
139 38.7 30.6 45.8
169 17.7 10.8 16.2#



#56
2,4-Dinitrotoluene
Concen: 2.45 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

Tgt Ion:165 Resp: 10084
Ion Ratio Lower Upper
165 100
63 46.9 25.4 38.0#
89 35.7 46.4 69.6#
182 69.5 1.8 2.6#

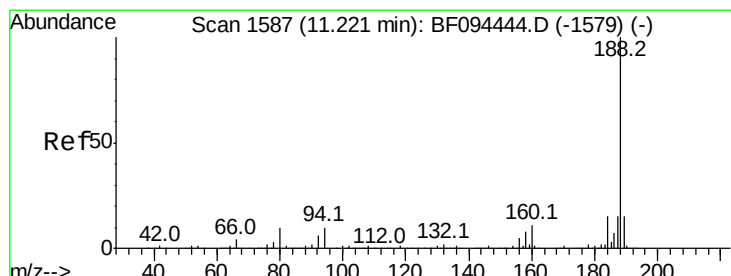
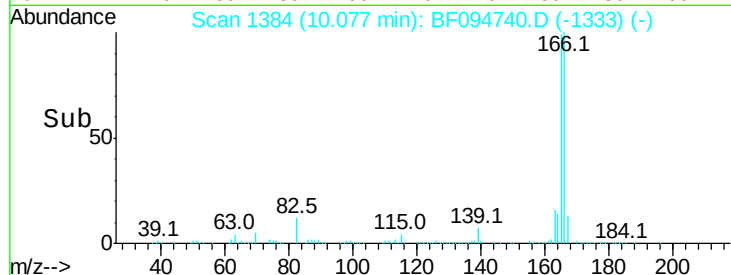
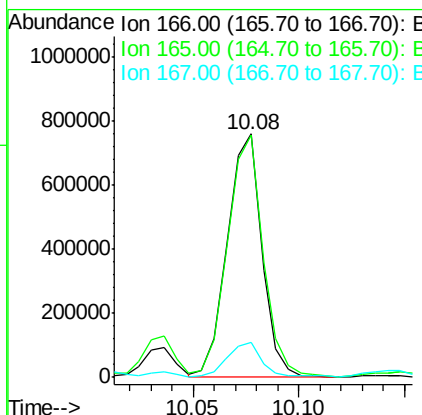
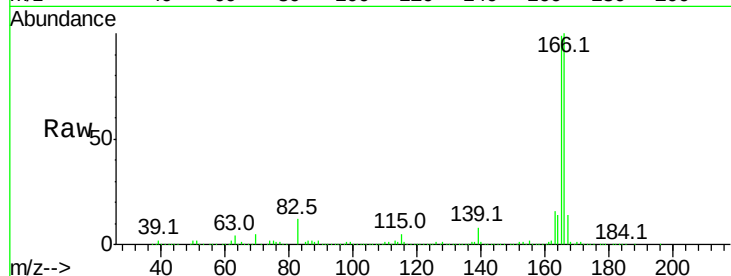




#57
Fluorene
 Concen: 62.24 ng
 RT: 10.08 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

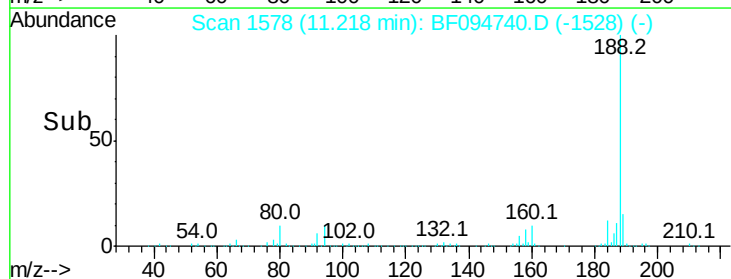
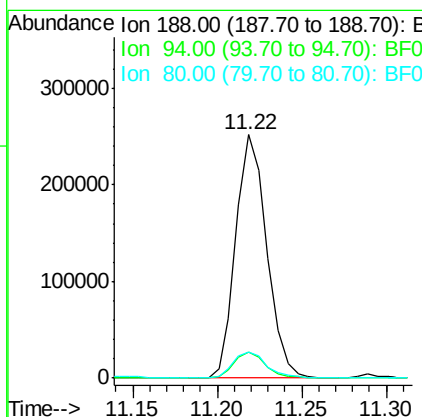
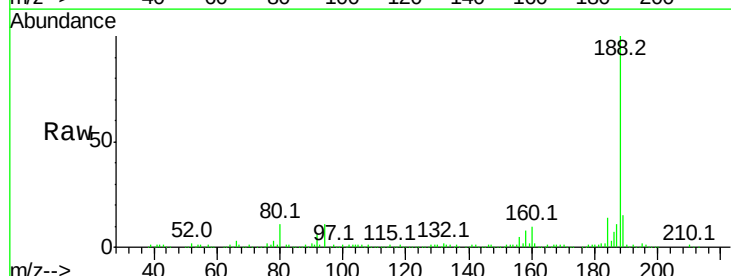
Instrument :
 BNA_F
 ClientSampleId :

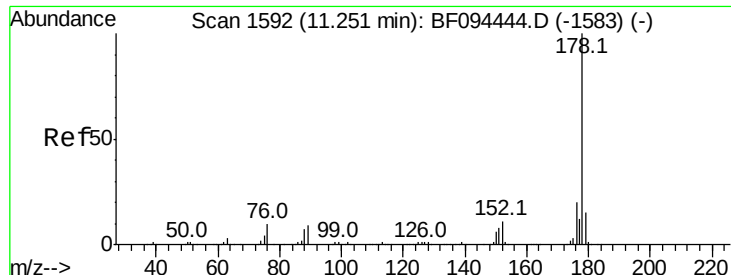
Tot Ion:166 Resp: 855990
 Ion Ratio Lower Upper
 166 100
 165 99.5 78.8 118.2
 167 14.2 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Tgt Ion:188 Resp: 321919
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 10.8 10.2 15.2





#70

Phenanthrene

Concen: 139.79 ng

RT: 11.27 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampled :

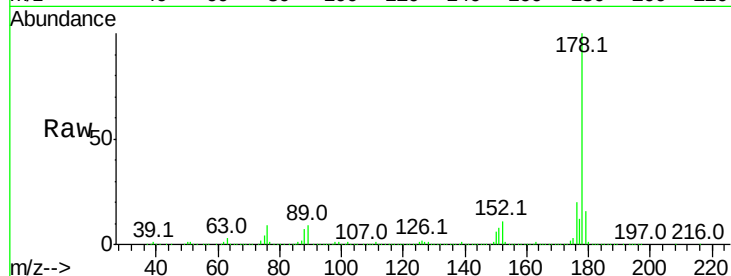
Tot Ion:178 Resp: 2534102

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

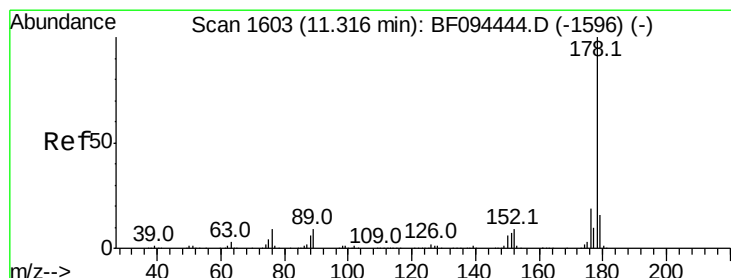
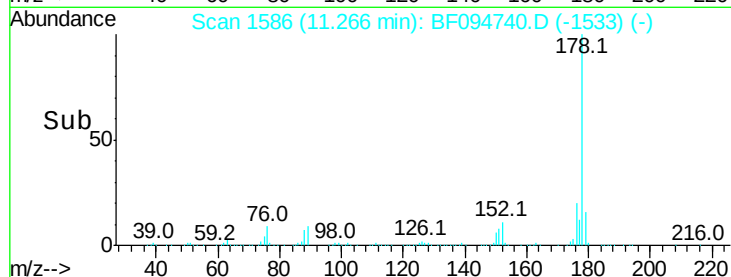
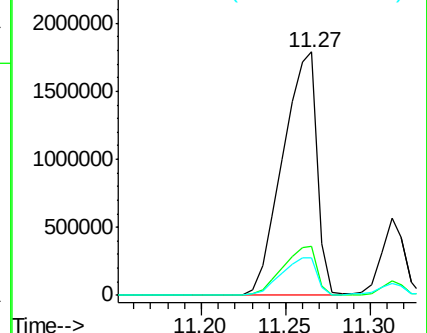
179 15.7 12.6 19.0



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: 28.30 ng

RT: 11.31 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

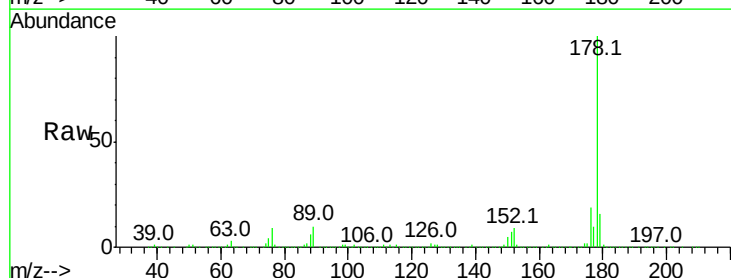
Tgt Ion:178 Resp: 530583

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

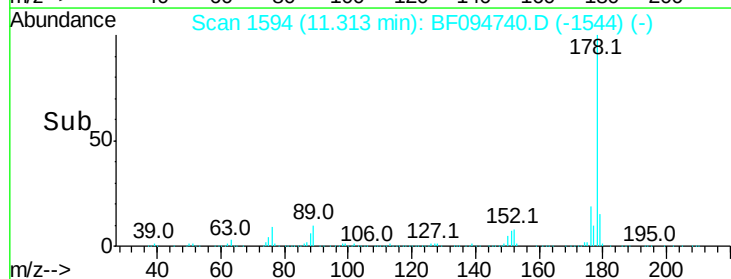
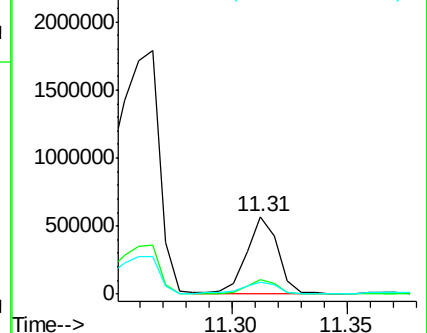
179 15.6 12.7 19.1

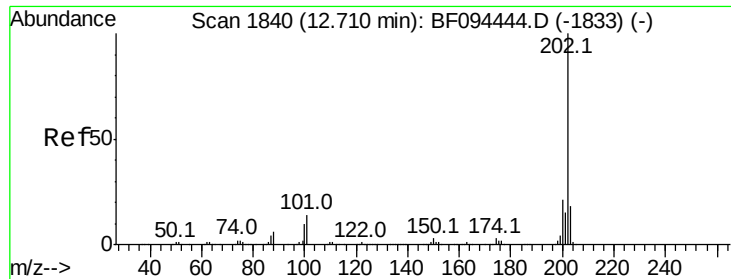


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 38.82 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094740.D

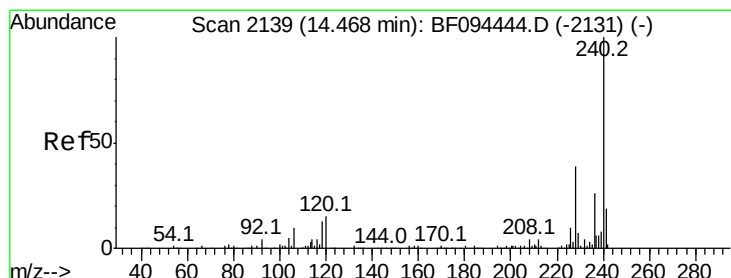
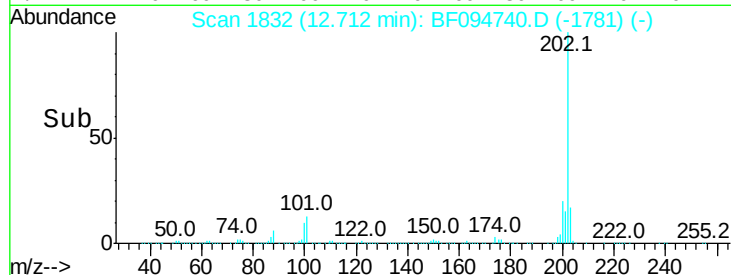
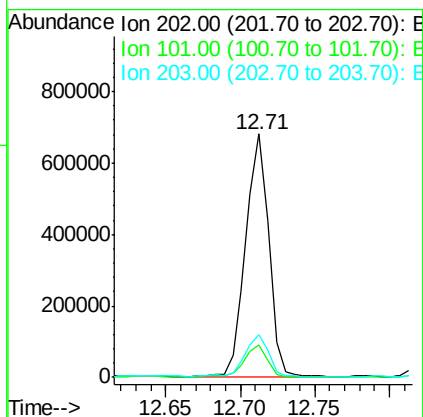
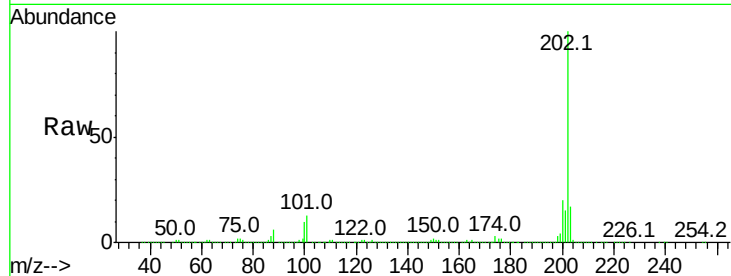
Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	729407
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.5	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

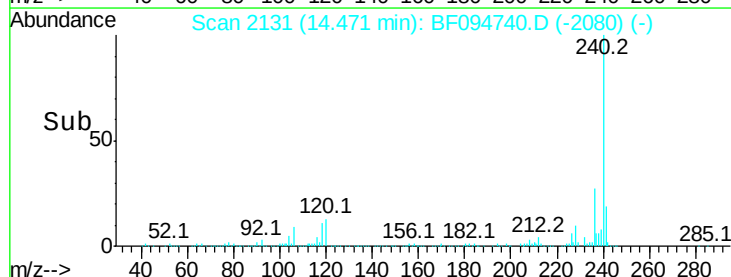
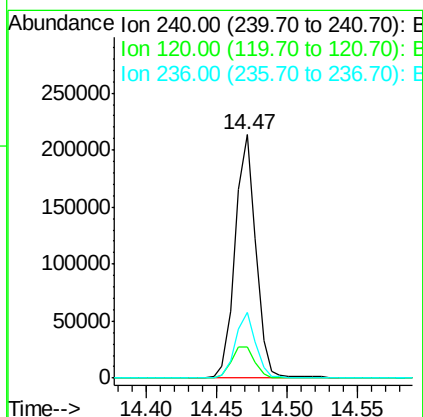
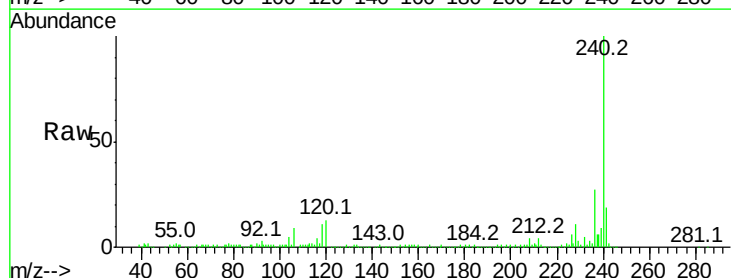
RT: 14.47 min Scan# 2131

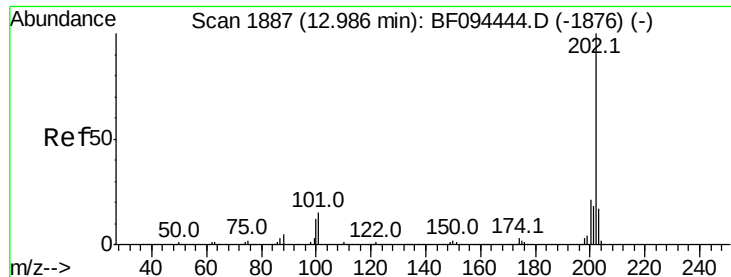
Delta R.T. 0.00 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Tgt Ion:	240	Resp:	217152
Ion	Ratio	Lower	Upper
240	100		
120	12.7	5.8	8.8#
236	26.8	20.5	30.7





#77

Pvrene

Concen: 61.81 ng

RT: 12.99 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampled :

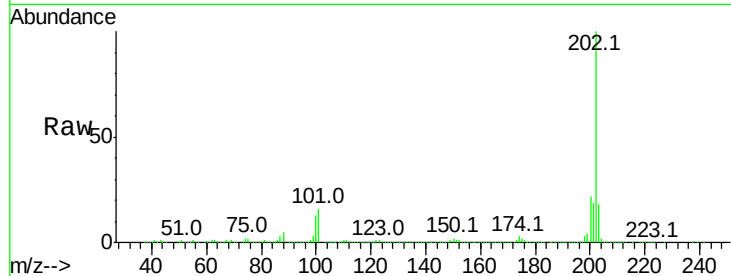
Tot Ion:202 Resp: 937746

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

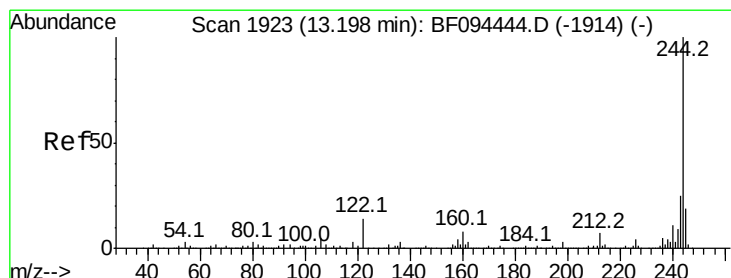
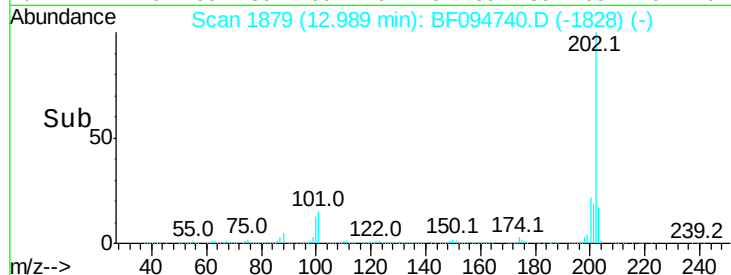
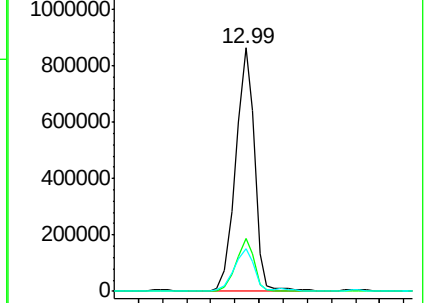
203 17.6 14.4 21.6



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: 103.24 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

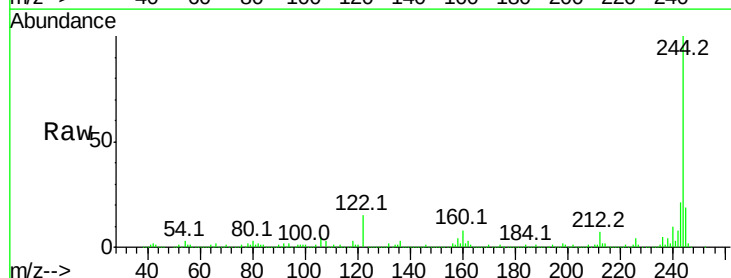
Tgt Ion:244 Resp: 838712

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

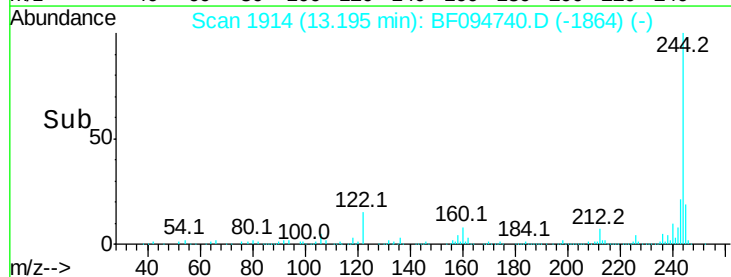
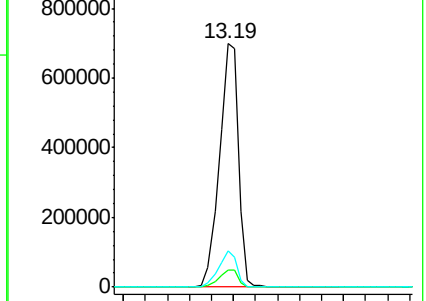
122 14.9 10.3 15.5

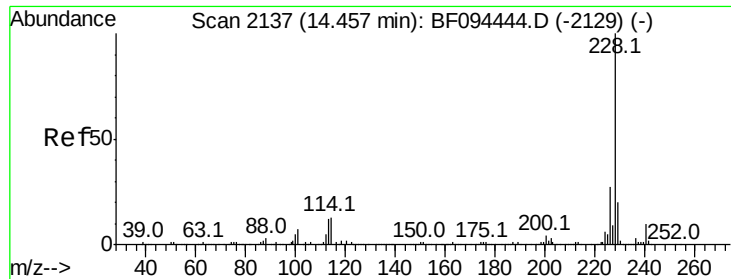


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.65 ng

RT: 14.50 min Scan# 2136

Delta R.T. 0.04 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampled :

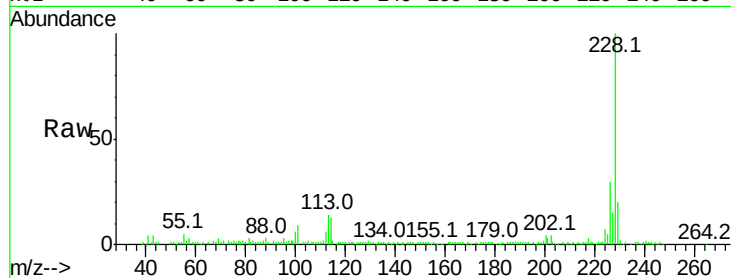
Tot Ion:228 Resp: 109155

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

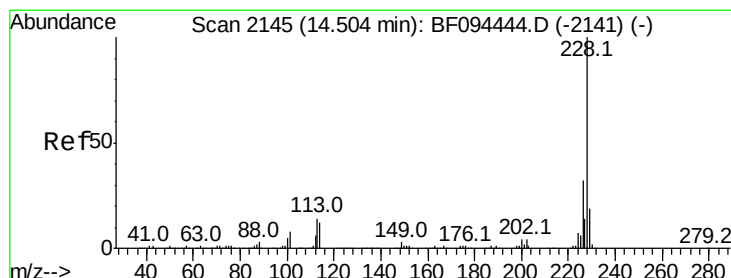
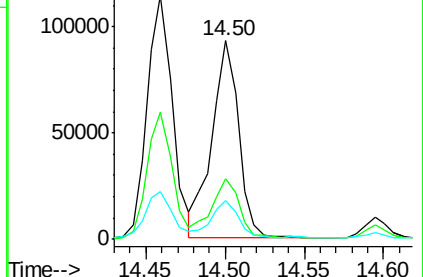
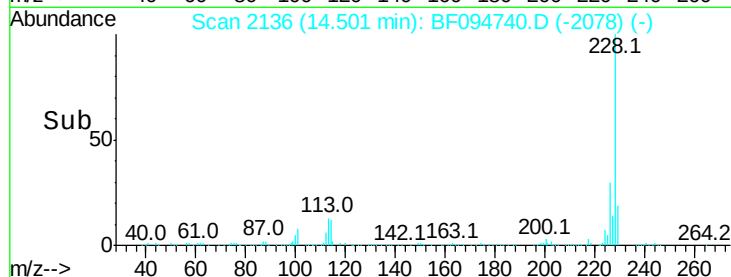
229 19.6 16.3 24.5



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: 9.46 ng

RT: 14.50 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

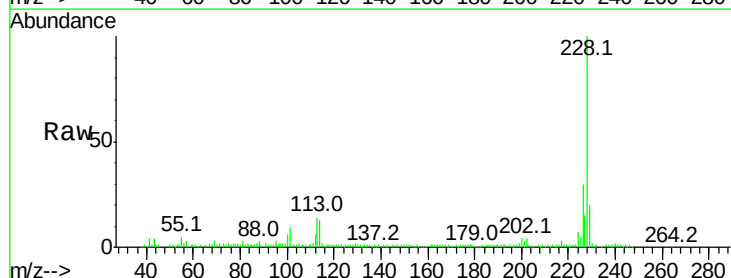
Tgt Ion:228 Resp: 109155

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

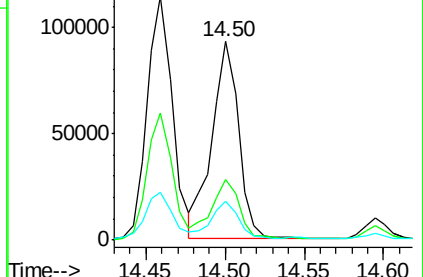
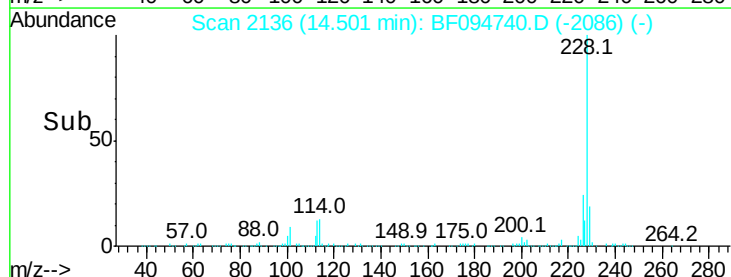
229 19.6 15.8 23.6

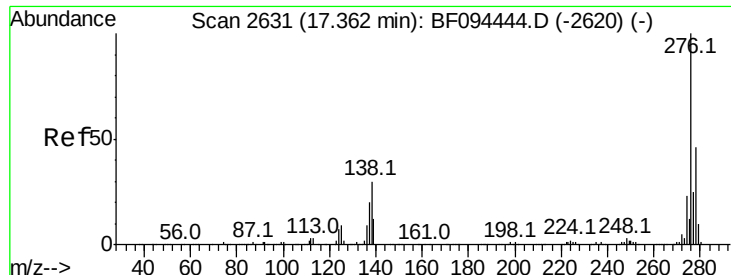


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

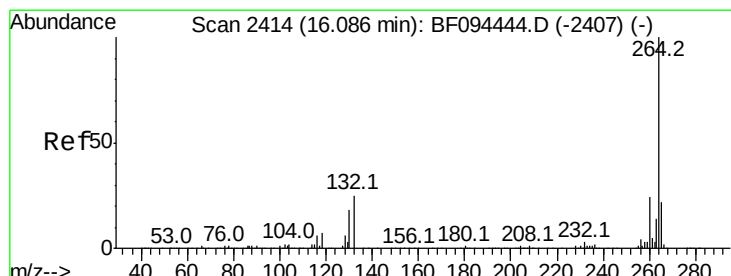
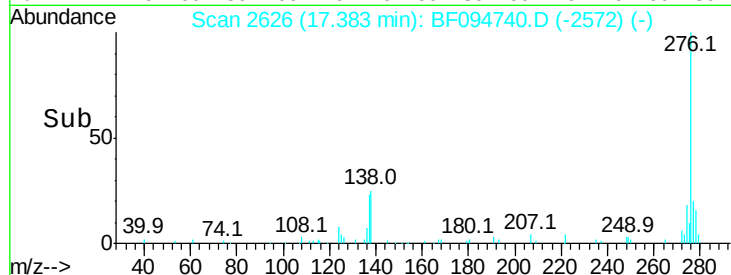
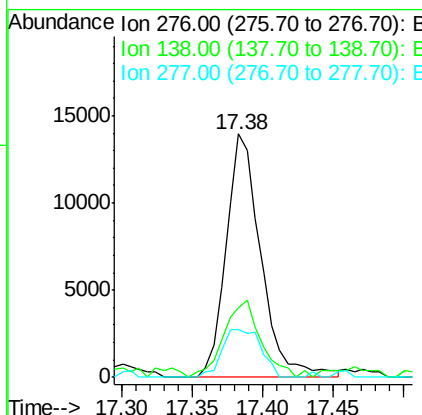
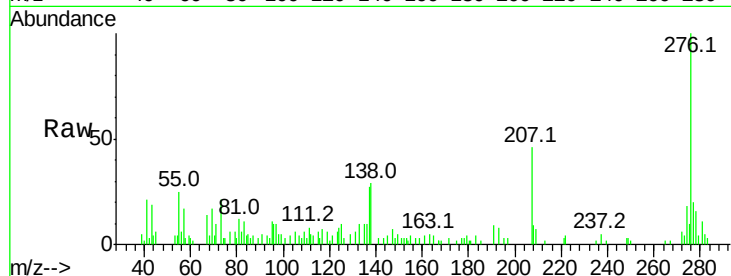




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.18 ng
 RT: 17.38 min Scan# 2626
 Delta R.T. 0.02 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

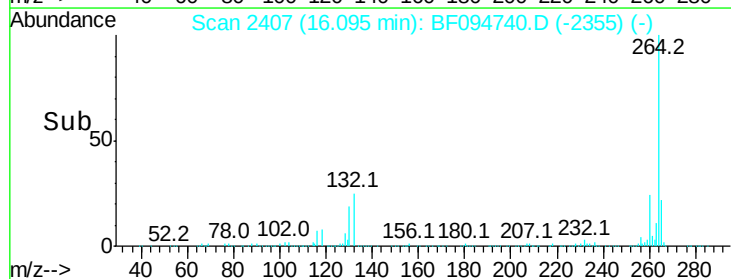
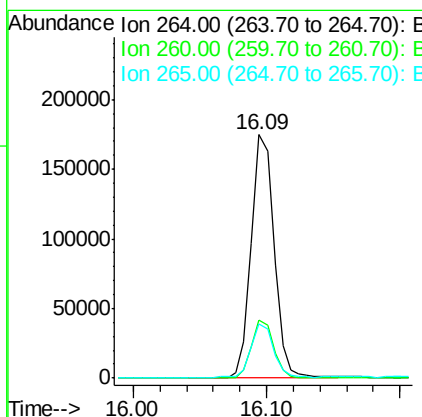
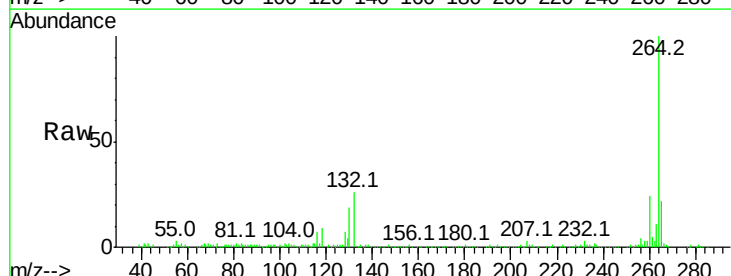
Instrument :
 BNA_F
 ClientSampleId :

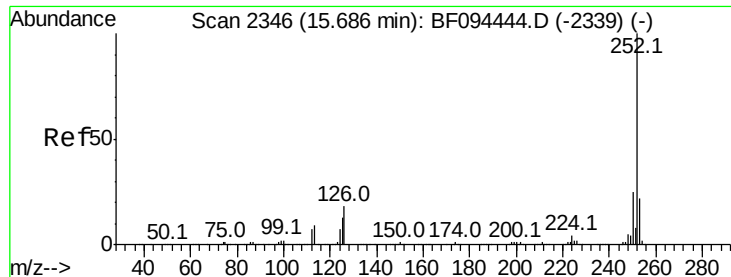
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.4	27.8	41.6
277	22.2	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094740.D
 Acq: 1 May 2017 4:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.4	17.2	25.8

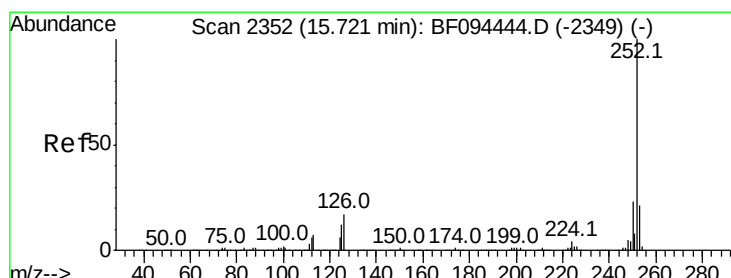
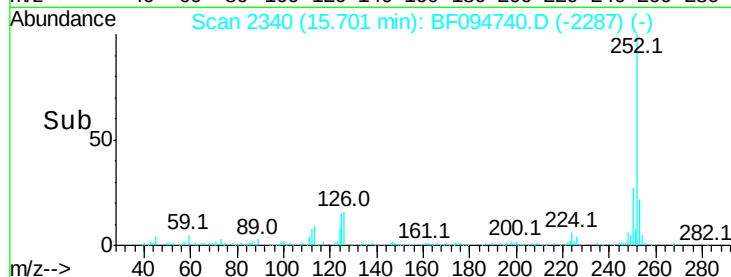
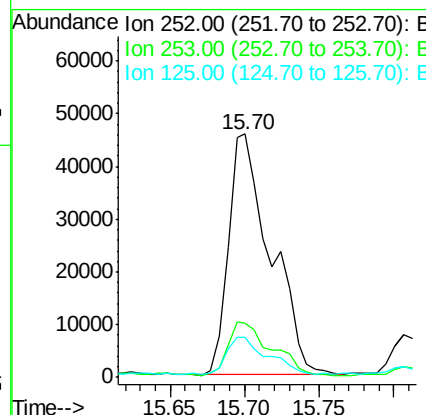
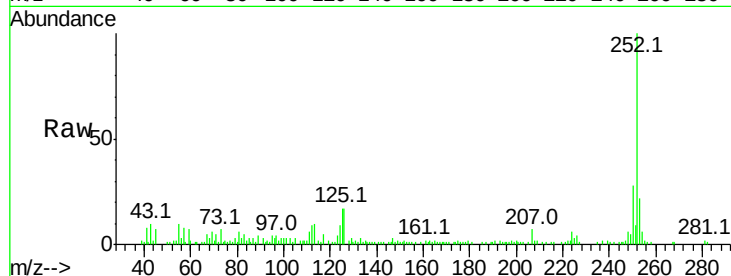




#87
Benzo(b)fluoranthene
Concen: 7.15 ng
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

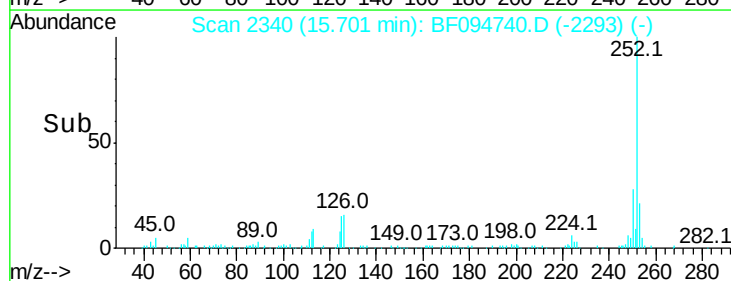
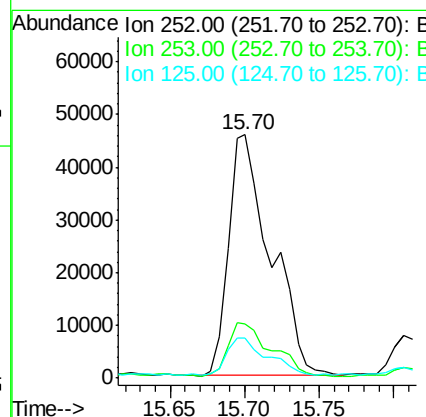
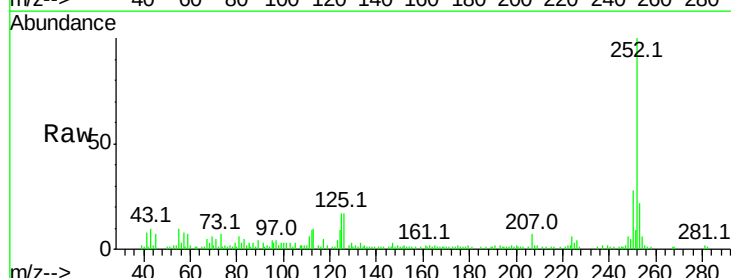
Instrument :
BNA_F
ClientSampleId :

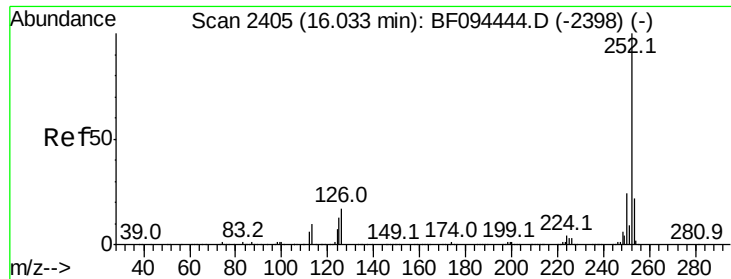
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	16.6	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 7.55 ng
RT: 15.70 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BF094740.D
Acq: 1 May 2017 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	16.6	13.1	19.7





#89

Benzo(a)pyrene

Concen: 5.77 ng

RT: 16.04 min Scan# 2398

Delta R.T. 0.01 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

Instrument :

BNA_F

ClientSampleId :

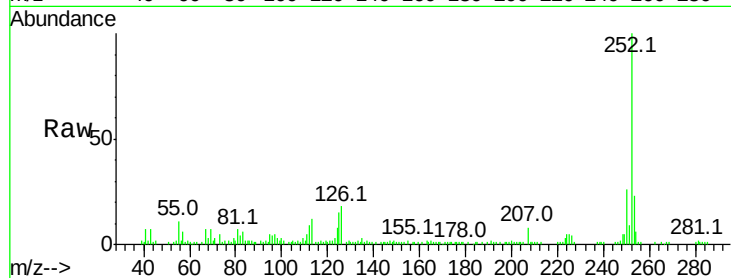
Tot Ion:252 Resp: 68001

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

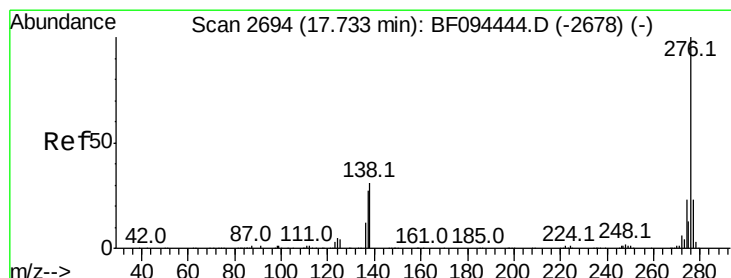
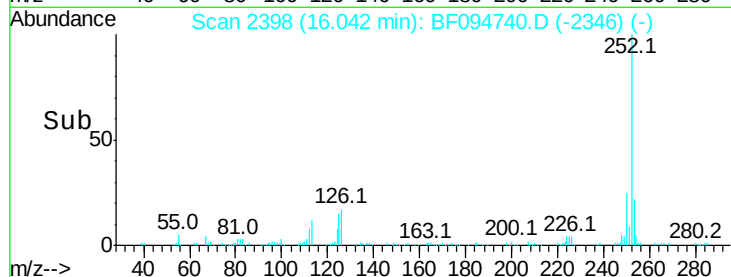
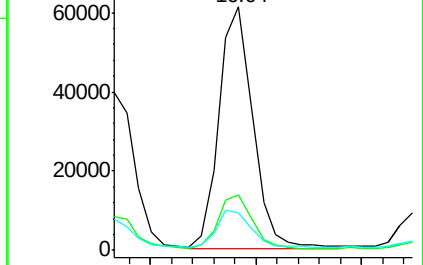
125 15.4 11.0 16.4



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: 2.69 ng

RT: 17.76 min Scan# 2690

Delta R.T. 0.03 min

Lab File: BF094740.D

Acq: 1 May 2017 4:13

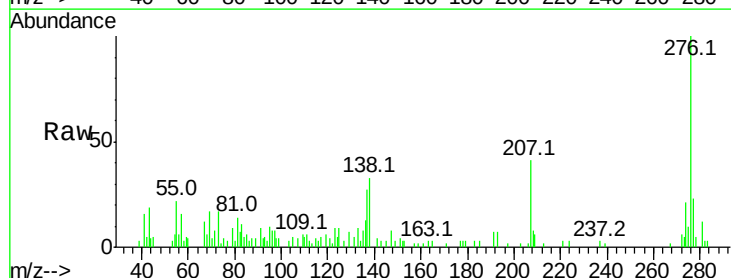
Tgt Ion:276 Resp: 26821

Ion Ratio Lower Upper

276 100

277 22.8 18.6 28.0

138 32.5 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

