

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082390.D
 Acq On : 20 Oct 2015 8:51
 Operator : UM/IZ
 Sample : G4046-03DL 400X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

Quant Time: Oct 20 11:30:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

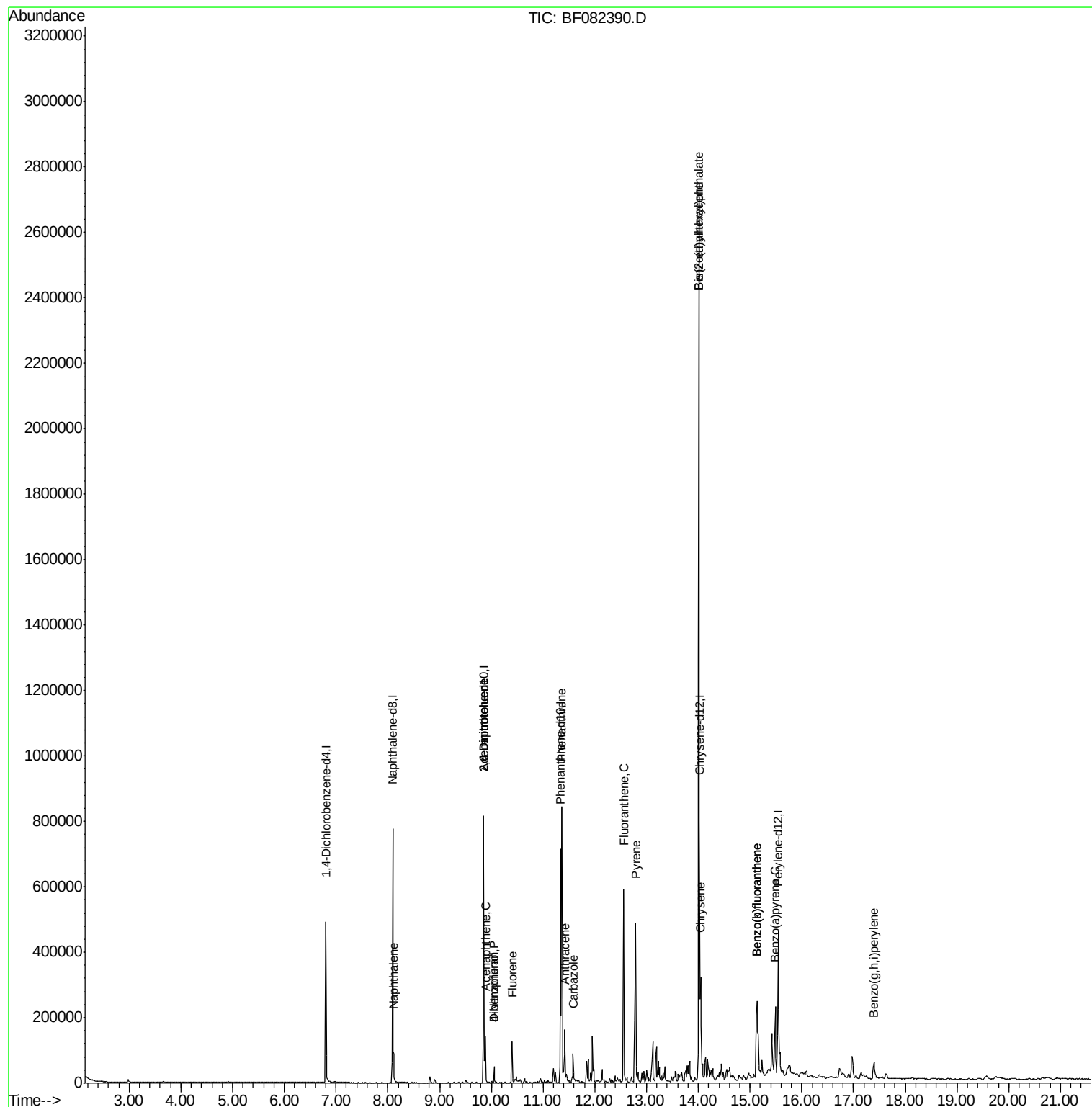
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	82165	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	348539	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	166465	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	291278	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	217145	20.00	ng	0.01
86) Perylene-d12	15.54	264	211252	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	2203	0.22	ng	-0.03
78) Terphenyl-d14	12.93	244	2138	0.26	ng	-0.03
Target Compounds						
31) Naphthalene	8.11	128	36304	2.40	ng	Qvalue 98
50) 2,6-Dinitrotoluene	9.85	165	21066	8.52	ng	# 31
51) Acenaphthene	9.89	154	42342	4.53	ng	99
54) Dibenzofuran	10.06	168	27511	2.14	ng	95
55) 4-Nitrophenol	10.06	139	9244	6.39	ng	# 11
56) 2,4-Dinitrotoluene	9.85	165	21066	6.81	ng	# 22
57) Fluorene	10.40	166	41683	3.96	ng	99
70) Phenanthrene	11.36	178	345345	24.19	ng	99
71) Anthracene	11.42	178	99430	6.76	ng	98
72) Carbazole	11.58	167	61772	4.60	ng	98
74) Fluoranthene	12.56	202	381595	24.89	ng	96
77) Pyrene	12.79	202	299285	23.22	ng	98
80) Benzo(a)anthracene	14.01	228	147105	13.02	ng	97
82) Chrysene	14.05	228	119659	10.05	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	816723	97.34	ng	99
87) Benzo(b)fluoranthene	15.13	252	216894	16.88	ng	99
88) Benzo(k)fluoranthene	15.13	252	216894	20.08	ng	99
89) Benzo(a)pyrene	15.49	252	107984	9.78	ng	98
91) Benzo(a,h,i)perylene	17.40	276	45813	5.21	ng	98

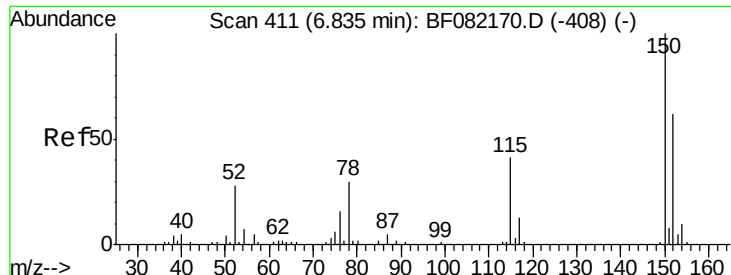
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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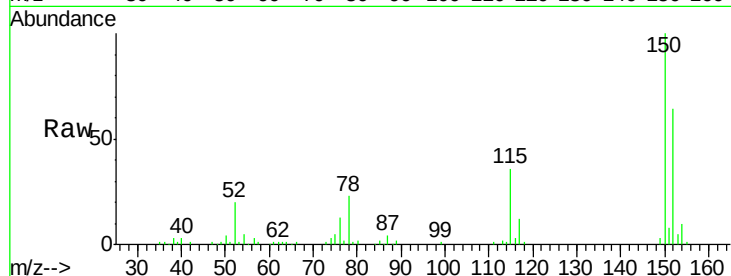


#1

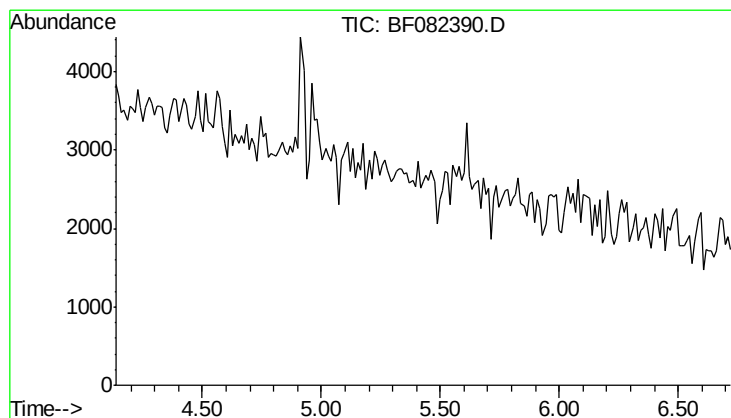
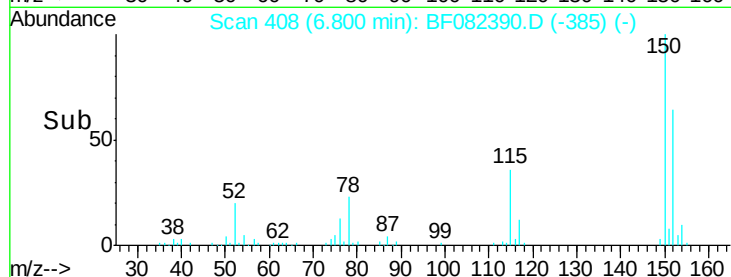
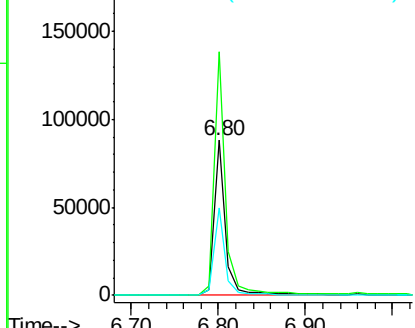
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

Tot Ion:152 Resp: 82165
Ion Ratio Lower Upper
152 100
150 157.3 129.0 193.4
115 56.7 52.1 78.1



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

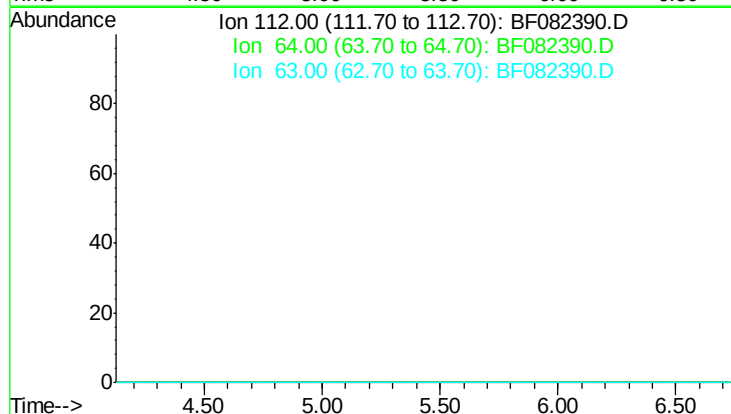


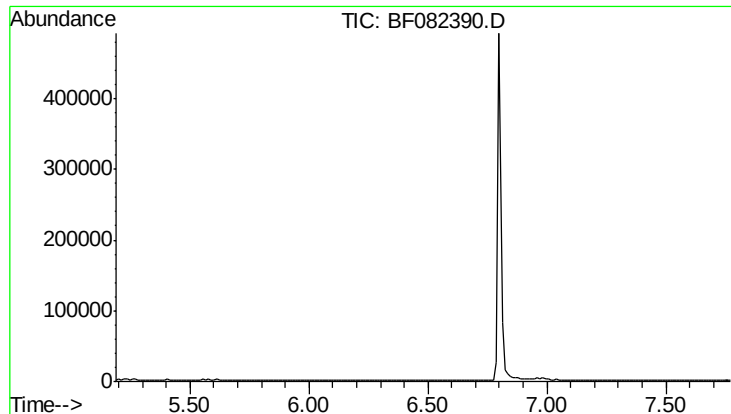
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.43 min

Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion: 112
Sig Exp Ratio
112 100
64 60.8
63 31.4

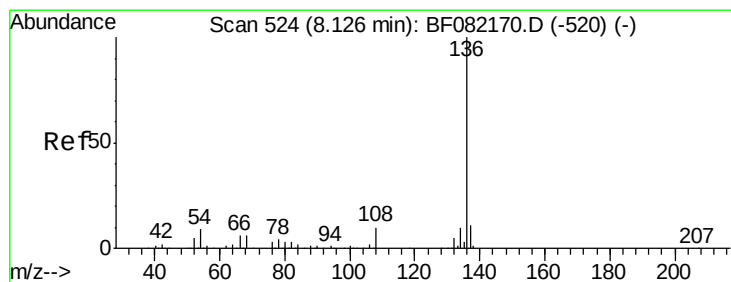
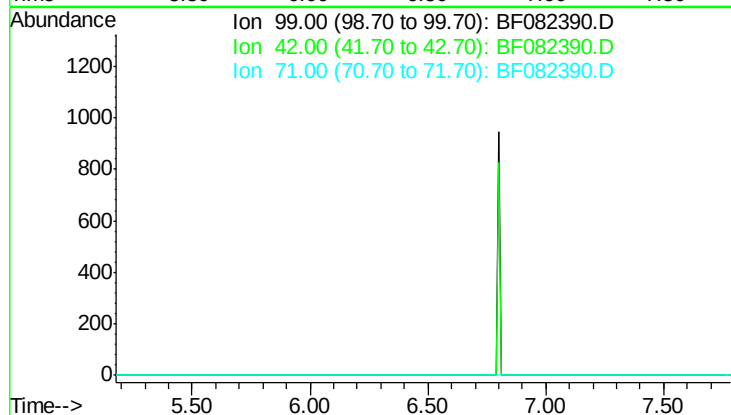




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.48 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

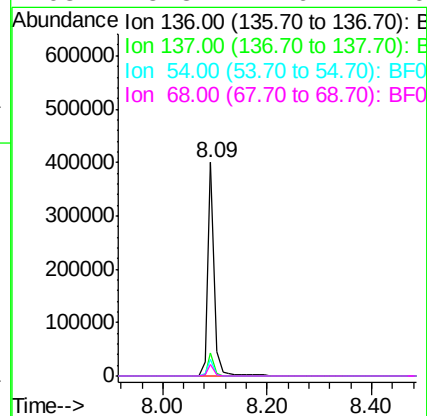
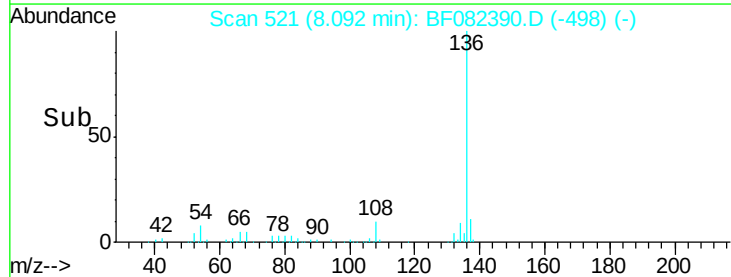
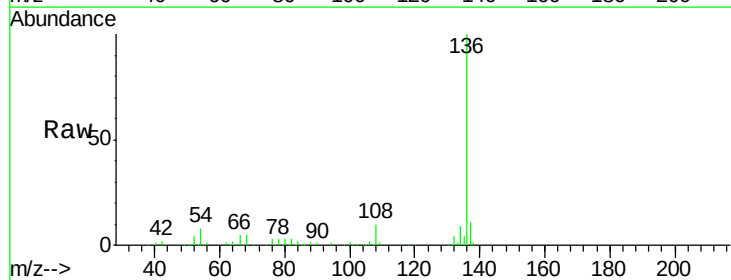
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

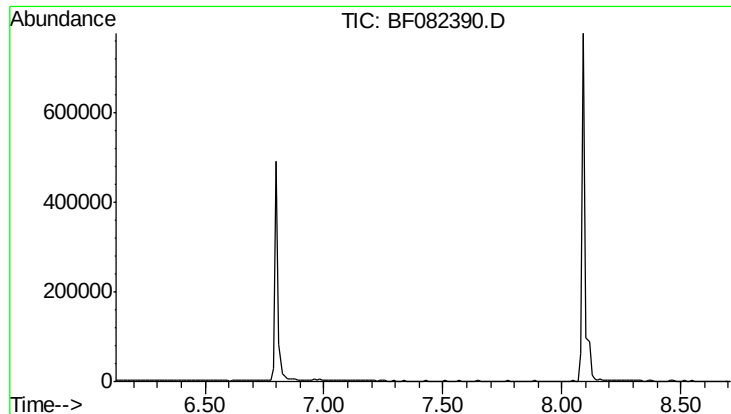
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 16.5
 71 32.0



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.09 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Tgt Ion: 136 Resp: 348539
 Ion Ratio Lower Upper
 136 100
 137 10.9 9.0 13.6
 54 7.8 7.5 11.3
 68 5.3 4.6 7.0

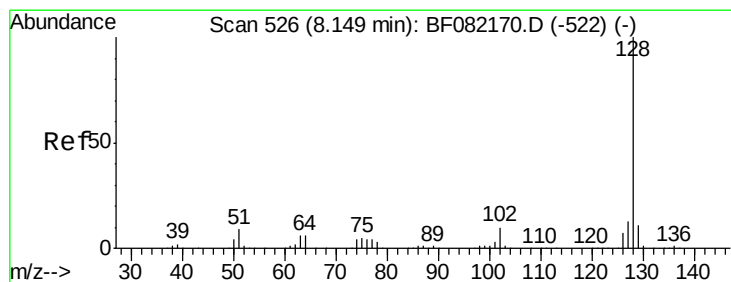
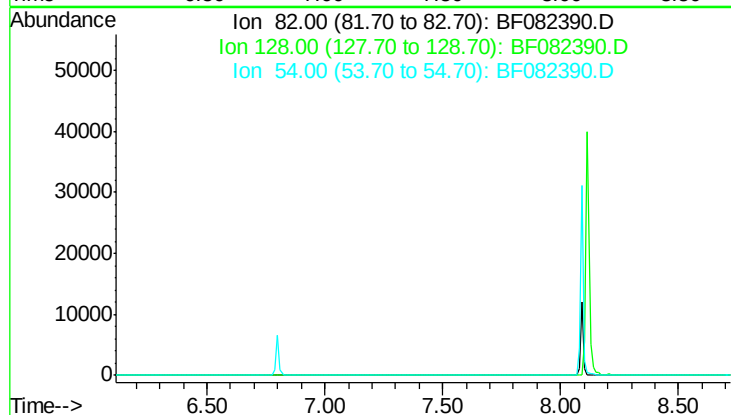




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

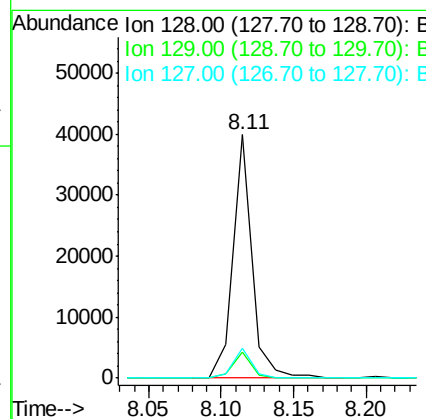
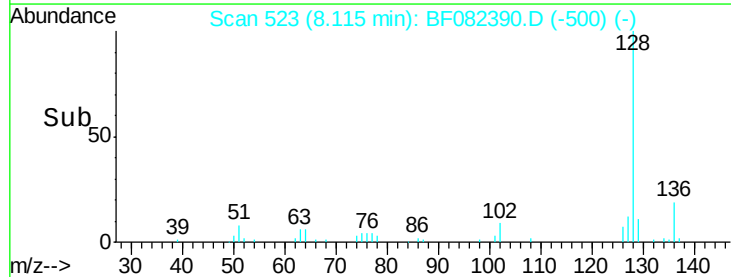
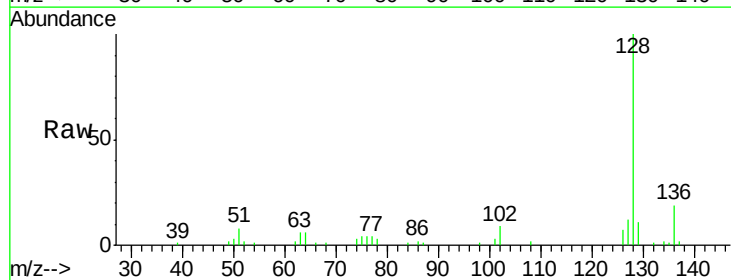
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

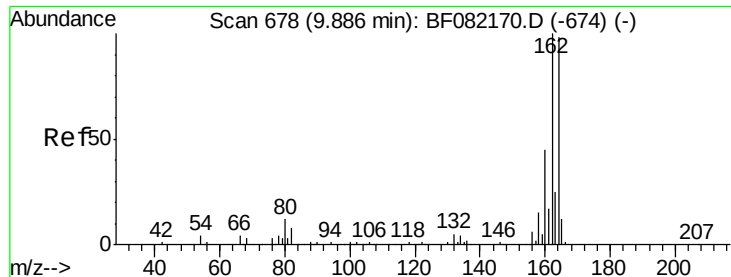
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 48.4
 54 50.1



#31
 Naphthalene
 Concen: 2.40 ng
 RT: 8.11 min Scan# 523
 Delta R.T. -0.03 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Tgt Ion: 128 Resp: 36304
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.1 13.7
 127 12.1 10.7 16.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

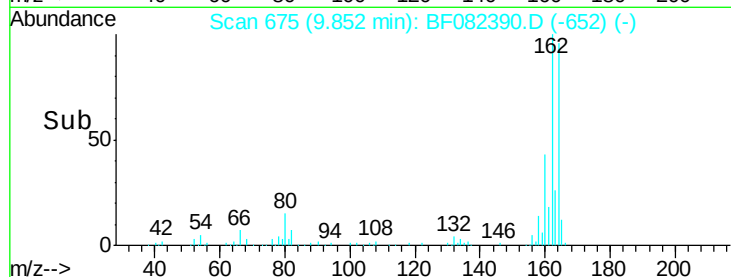
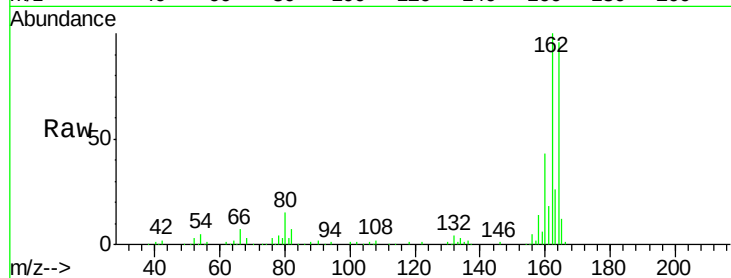
Tot Ion:164 Resp: 166465

Ion Ratio Lower Upper

164 100

162 104.0 81.6 122.4

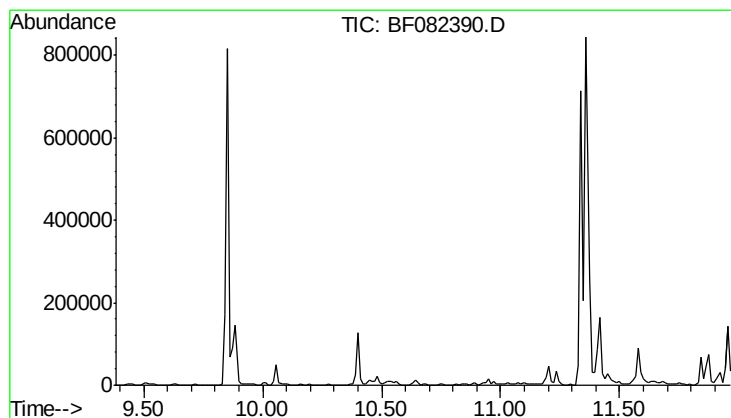
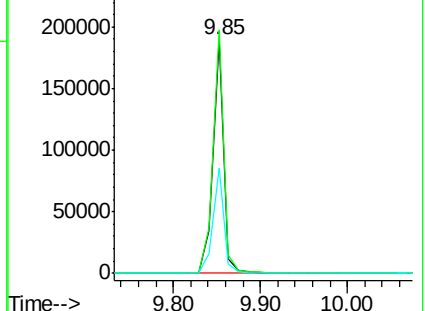
160 45.1 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.67 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

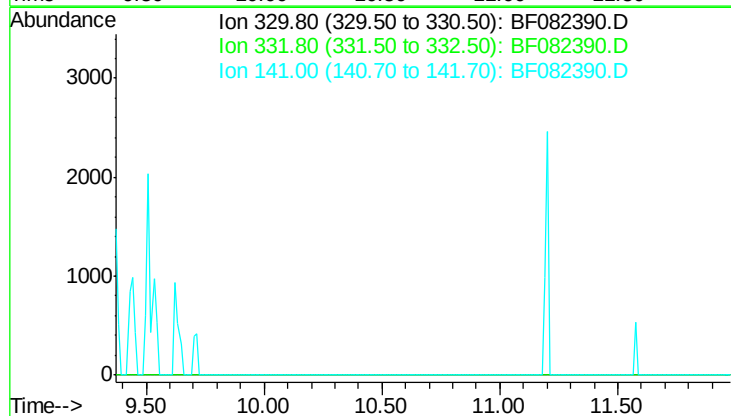
Tgt Ion: 330

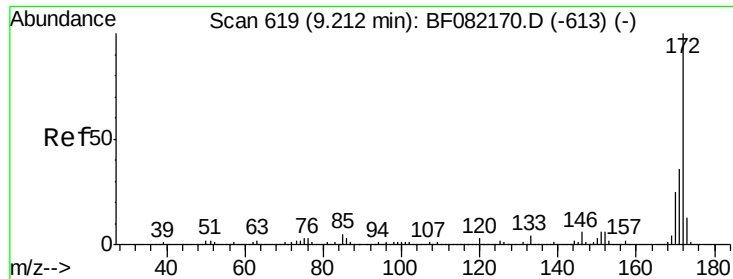
Sig Exp Ratio

330 100

332 96.4

141 37.3

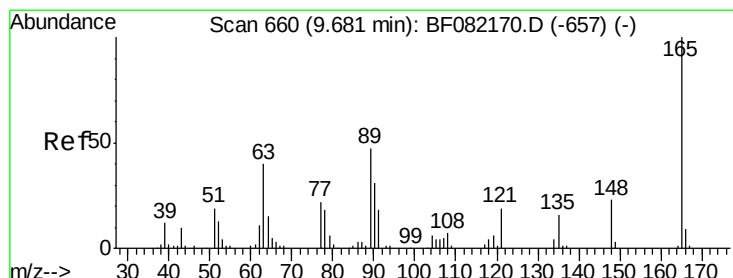
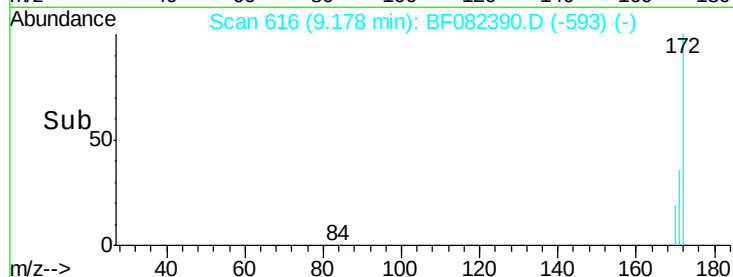
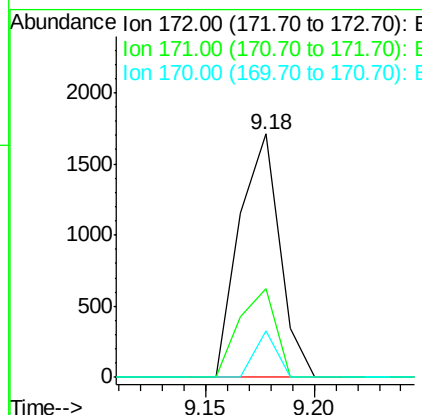
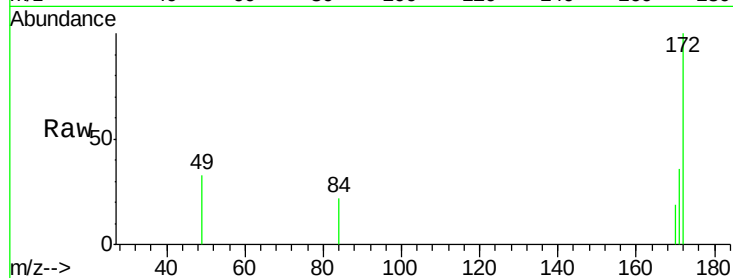




#44
2-Fluorobiphenyl
Concen: 0.22 ng
RT: 9.18 min Scan# 616
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

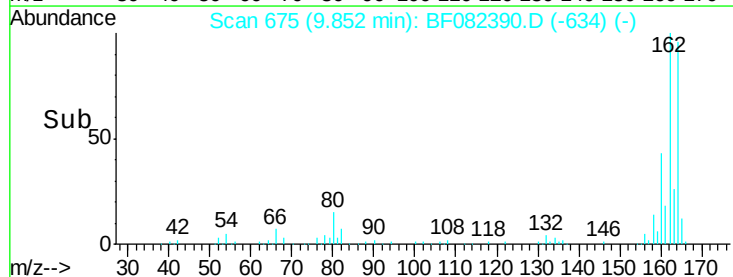
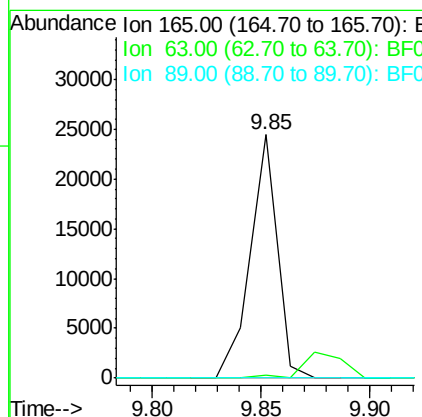
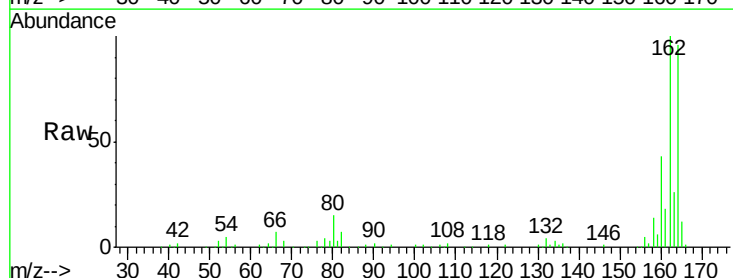
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

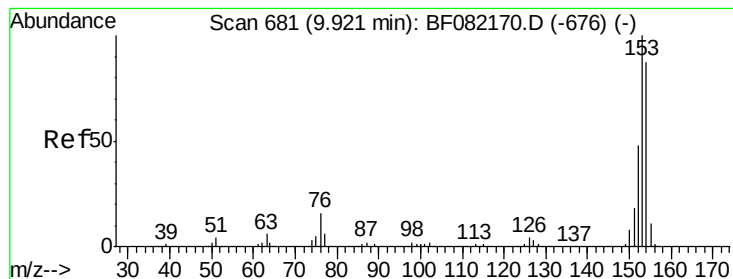
Tot Ion:172 Resp: 2203
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 19.0 19.7 29.5#



#50
2,6-Dinitrotoluene
Concen: 8.52 ng
RT: 9.85 min Scan# 675
Delta R.T. 0.17 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion:165 Resp: 21066
Ion Ratio Lower Upper
165 100
63 1.3 36.7 55.1#
89 0.0 37.8 56.6#





#51

Acenaphthene

Concen: 4.53 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

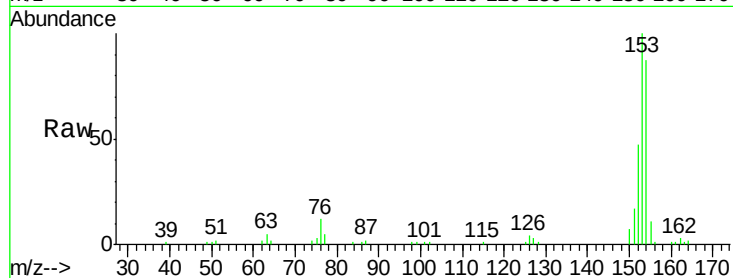
Tot Ion:154 Resp: 42342

Ion Ratio Lower Upper

154 100

153 114.9 91.4 137.2

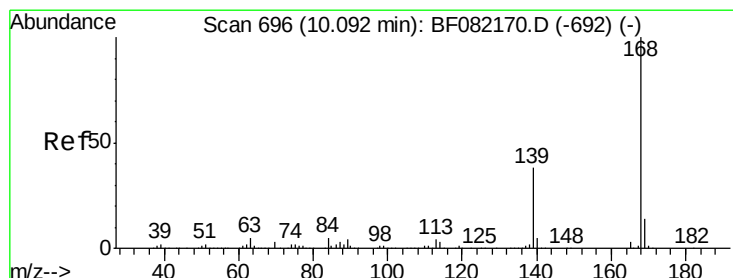
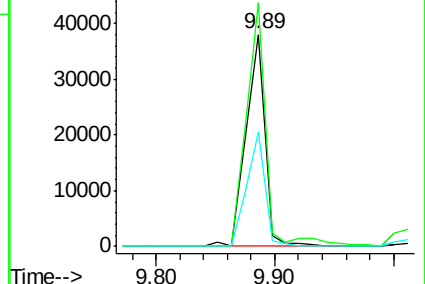
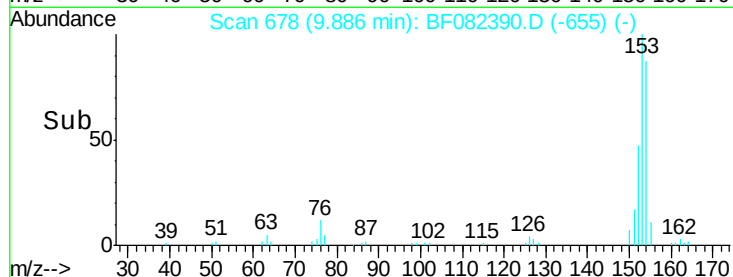
152 54.1 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.14 ng

RT: 10.06 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

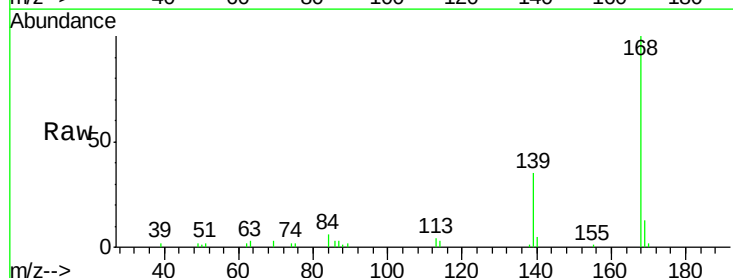
Tgt Ion:168 Resp: 27511

Ion Ratio Lower Upper

168 100

139 35.3 31.0 46.6

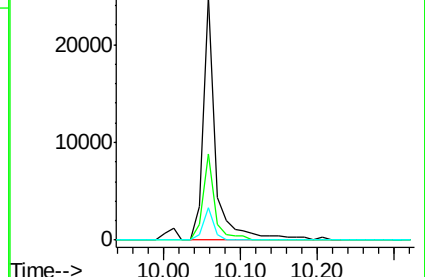
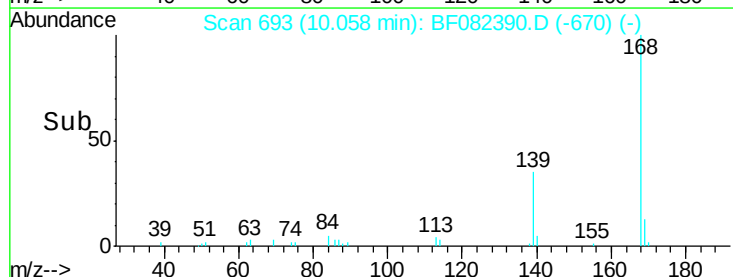
169 13.2 10.9 16.3

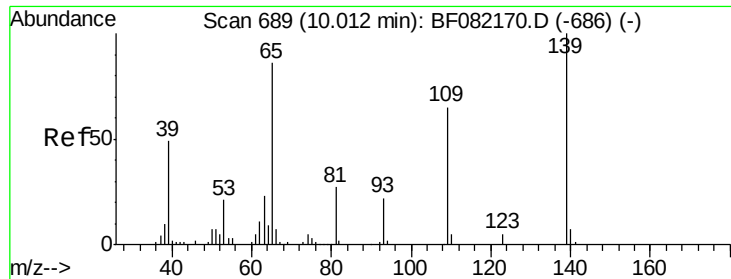


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 6.39 ng

RT: 10.06 min Scan# 693

Delta R.T. 0.05 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

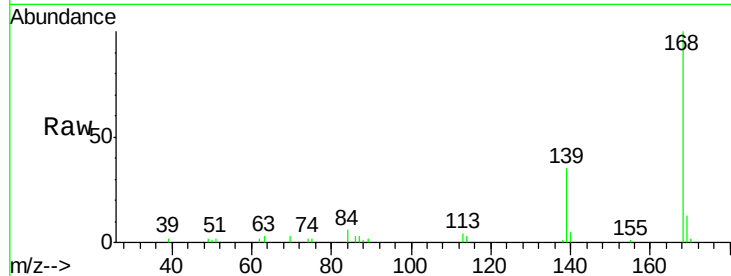
Tot Ion:139 Resp: 9244

Ion Ratio Lower Upper

139 100

109 0.0 44.8 84.8#

65 0.0 67.7 107.7#

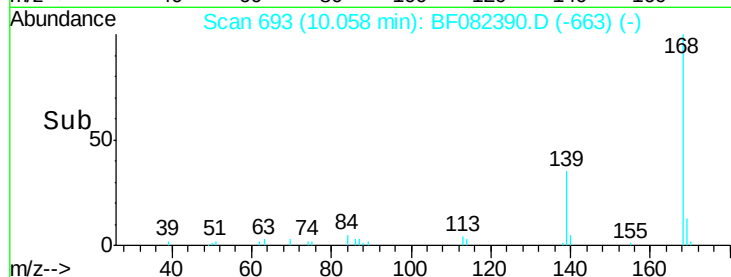


Abundance Ion 139.00 (138.70 to 139.70): E

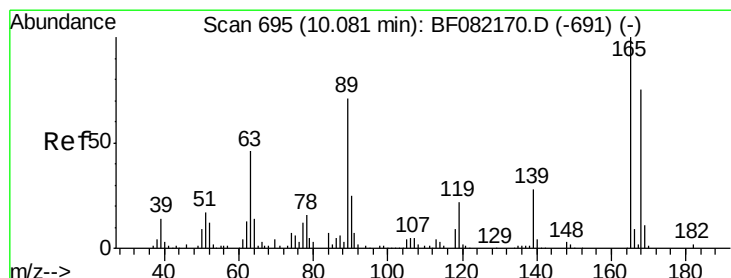
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

Time-->



Time-->



#56

2,4-Dinitrotoluene

Concen: 6.81 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.23 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Tgt Ion:165 Resp: 21066

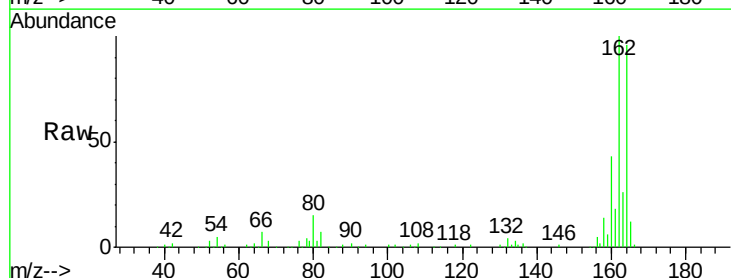
Ion Ratio Lower Upper

165 100

63 1.3 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#



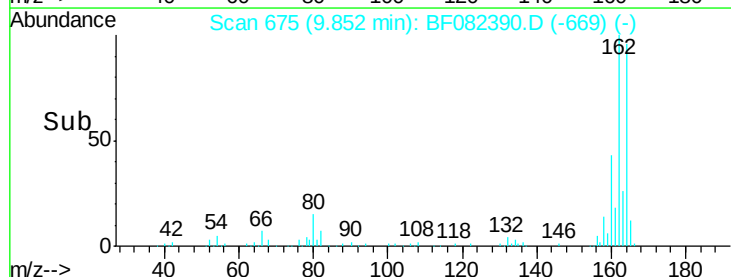
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

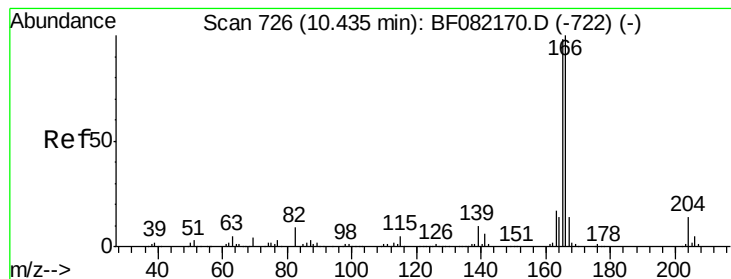
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#57

Fluorene

Concen: 3.96 ng

RT: 10.40 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

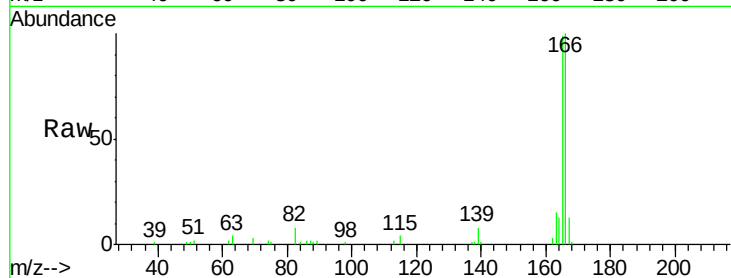
Tot Ion:166 Resp: 41683

Ion Ratio Lower Upper

166 100

165 98.9 78.3 117.5

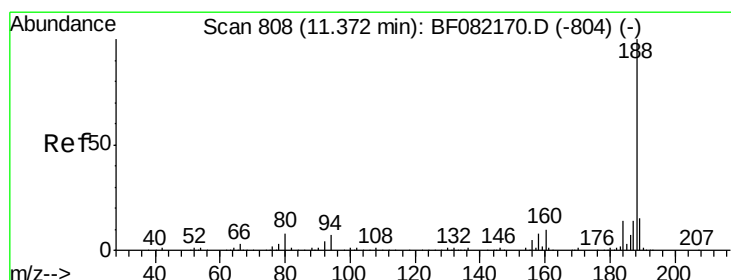
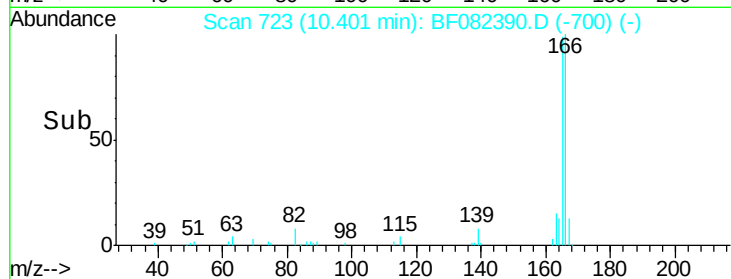
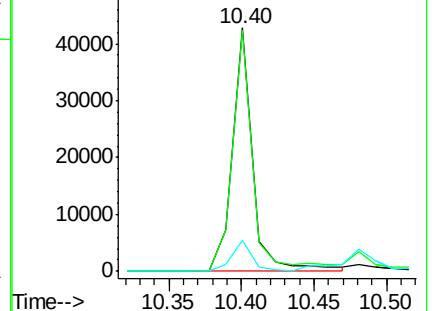
167 12.8 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

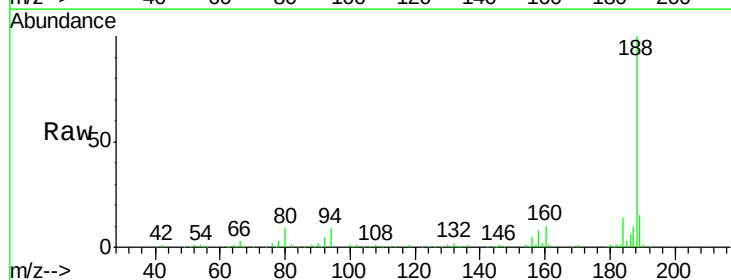
Tgt Ion:188 Resp: 291278

Ion Ratio Lower Upper

188 100

94 8.9 5.8 8.6#

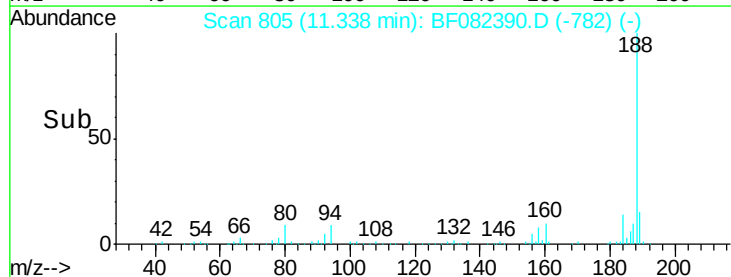
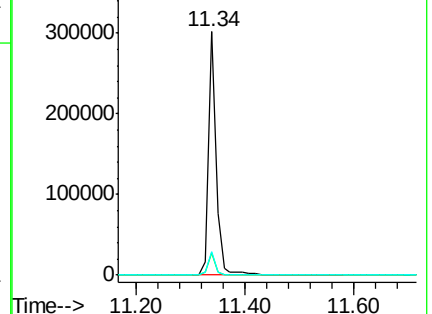
80 9.5 6.4 9.6

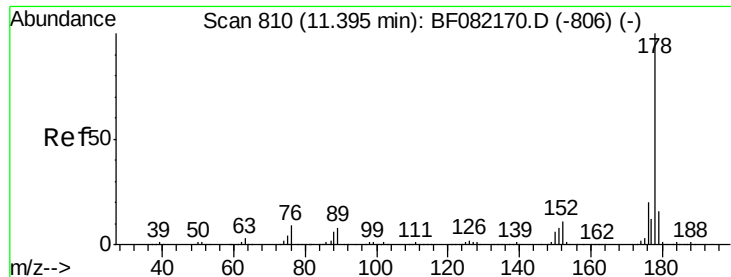


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

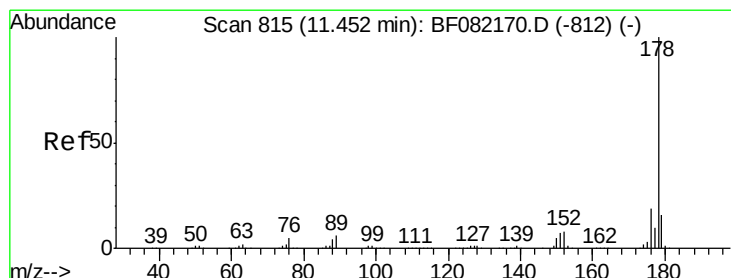
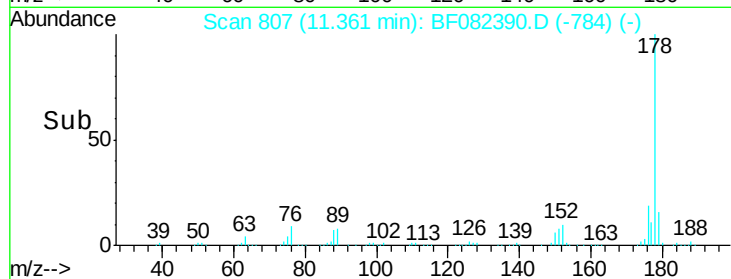
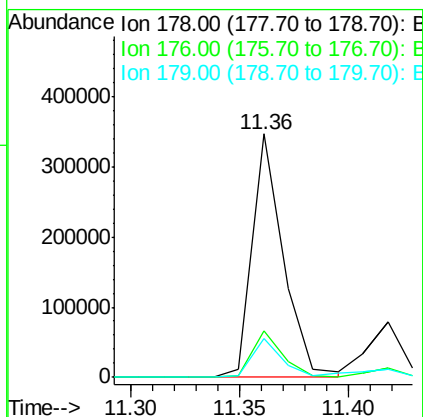
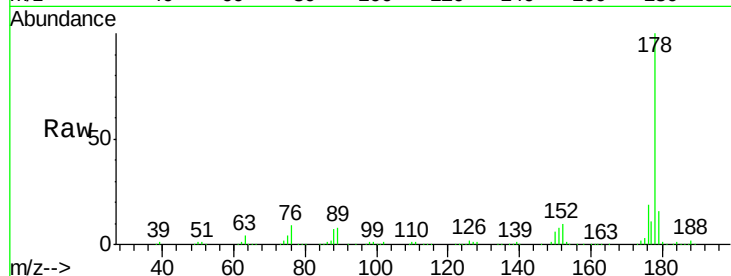




#70
Phenanthrene
Concen: 24.19 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

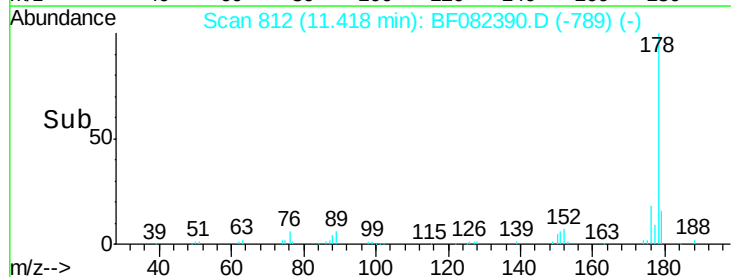
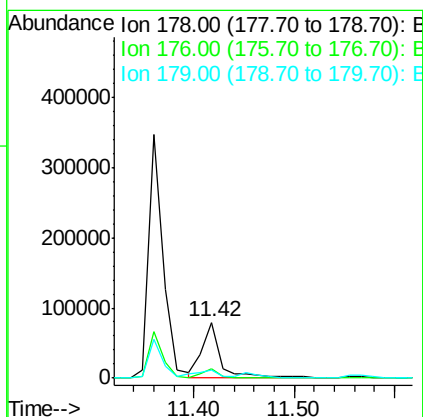
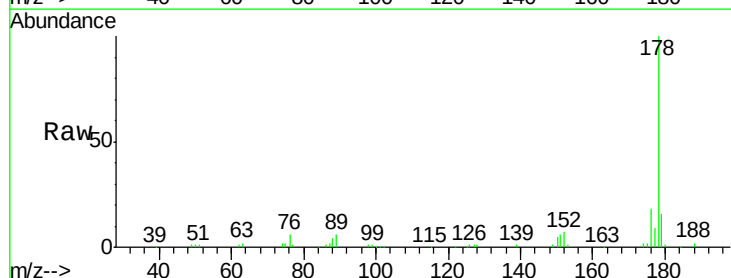
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

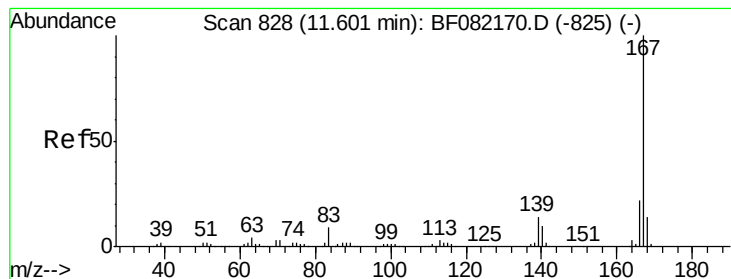
Tot Ion:178 Resp: 345345
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.7 12.6 19.0



#71
Anthracene
Concen: 6.76 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion:178 Resp: 99430
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 15.6 12.5 18.7





#72

Carbazole

Concen: 4.60 ng

RT: 11.58 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

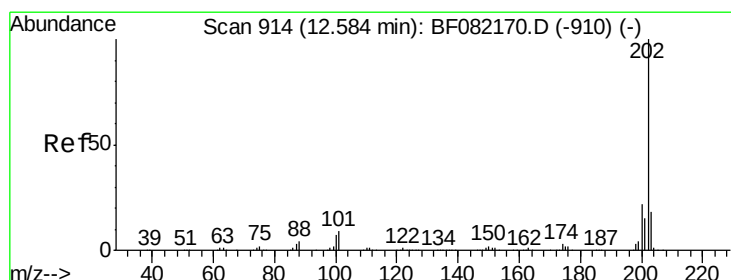
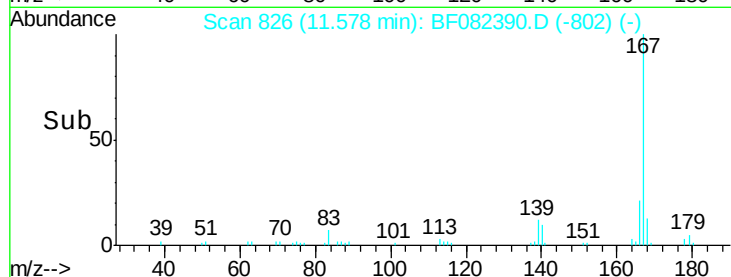
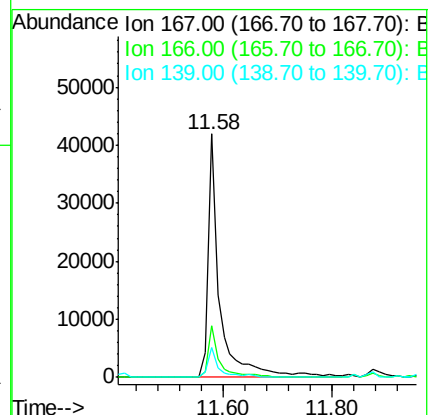
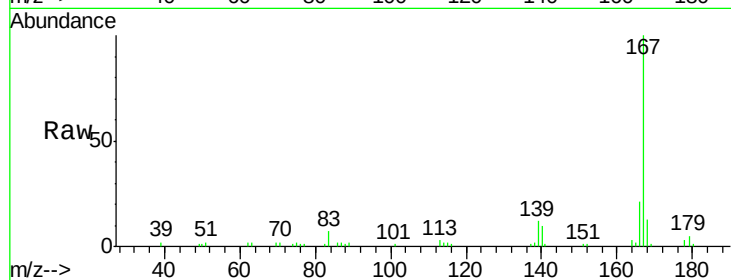
Tot Ion:167 Resp: 61772

Ion Ratio Lower Upper

167 100

166 21.3 17.3 25.9

139 12.0 11.2 16.8



#74

Fluoranthene

Concen: 24.89 ng

RT: 12.56 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

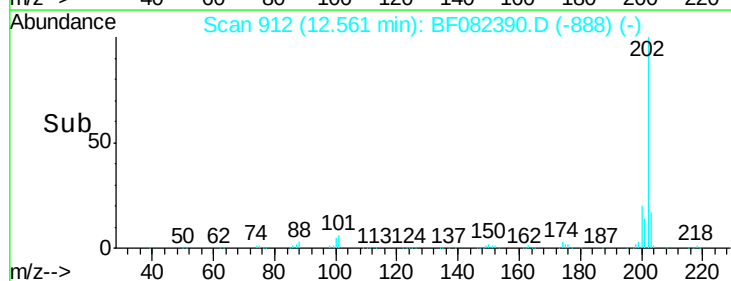
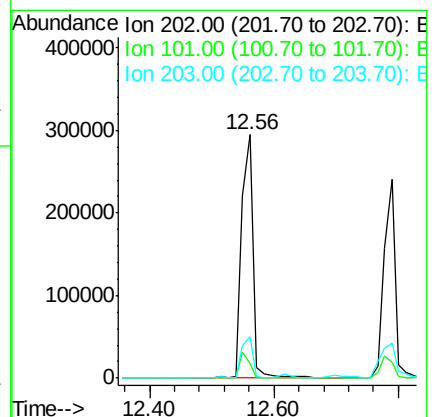
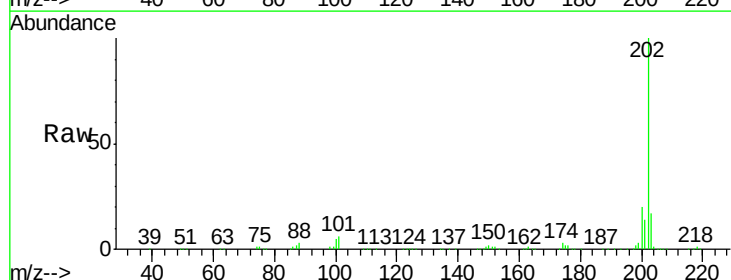
Tgt Ion:202 Resp: 381595

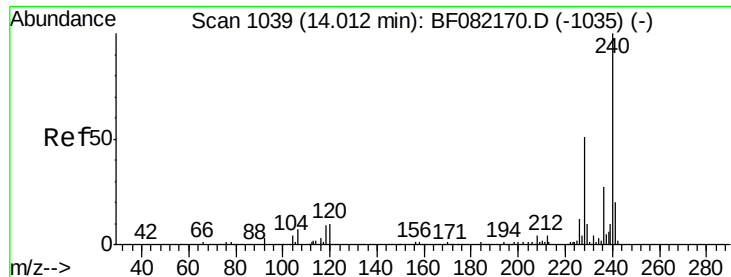
Ion Ratio Lower Upper

202 100

101 6.1 0.0 29.3

203 17.1 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

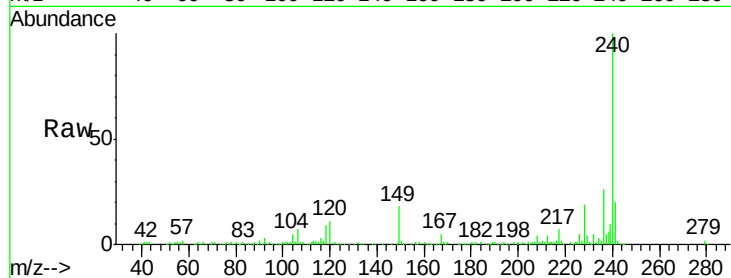
Tot Ion:240 Resp: 217145

Ion Ratio Lower Upper

240 100

120 10.8 8.1 12.1

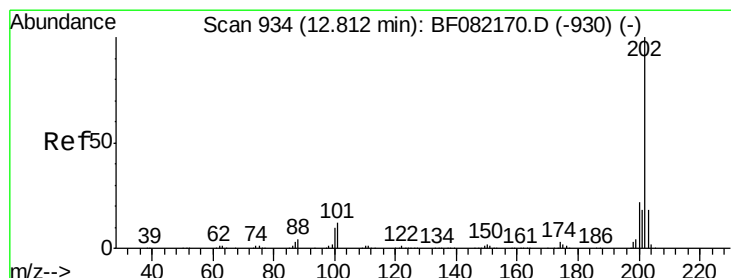
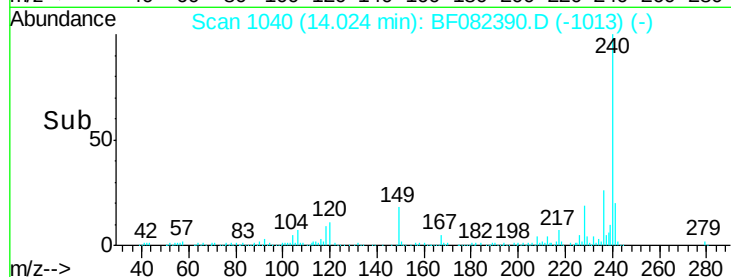
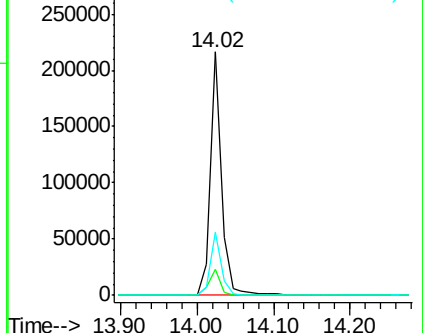
236 25.8 21.3 31.9



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: 23.22 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

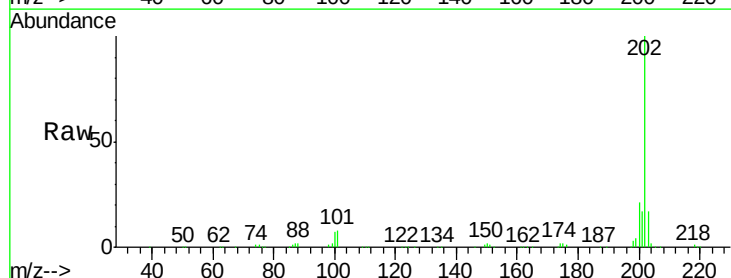
Tgt Ion:202 Resp: 299285

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

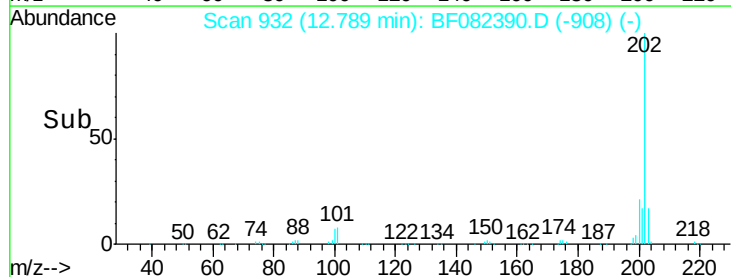
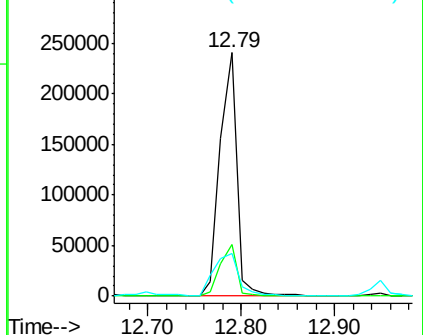
203 17.4 14.5 21.7

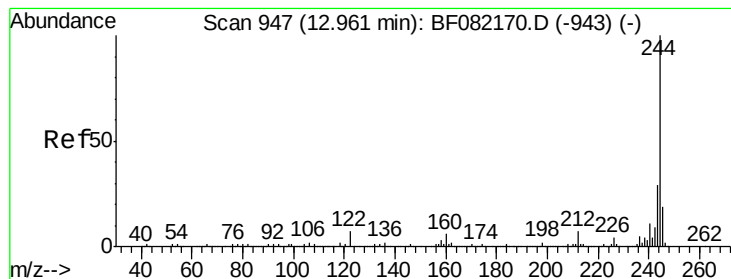


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.26 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

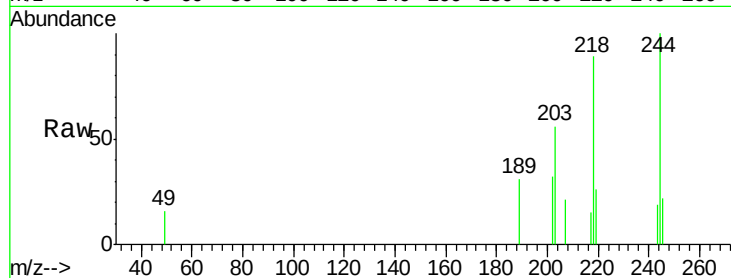
Tot Ion:244 Resp: 2138

Ion Ratio Lower Upper

244 100

212 0.0 5.8 8.6#

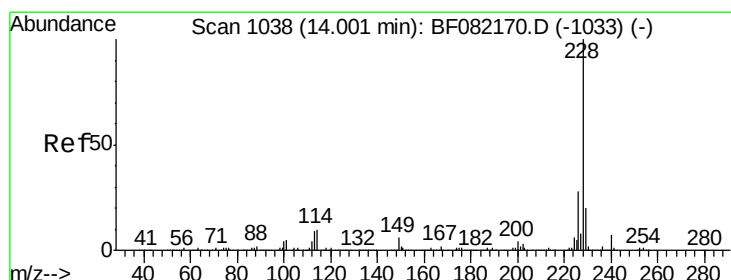
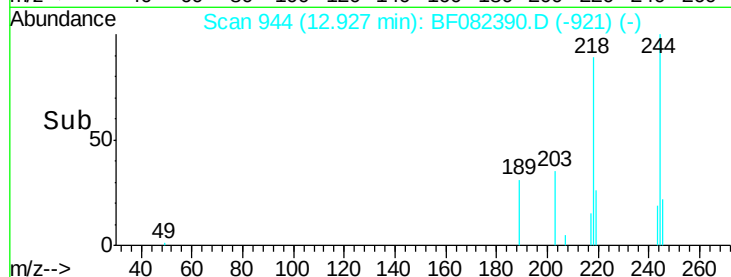
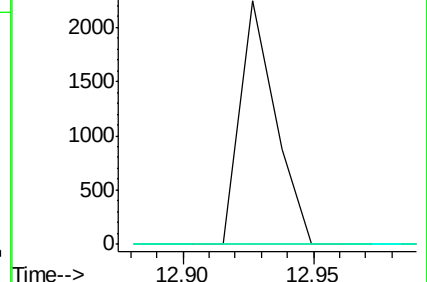
122 0.0 5.9 8.9#



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: 13.02 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

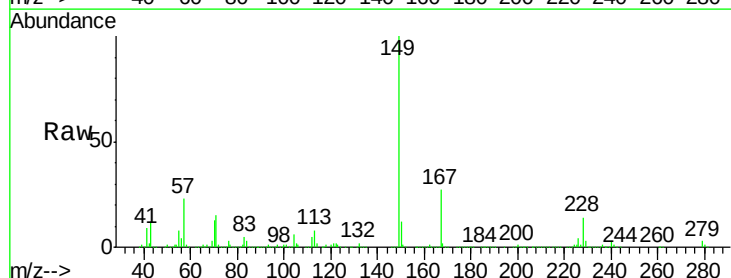
Tgt Ion:228 Resp: 147105

Ion Ratio Lower Upper

228 100

226 26.0 22.3 33.5

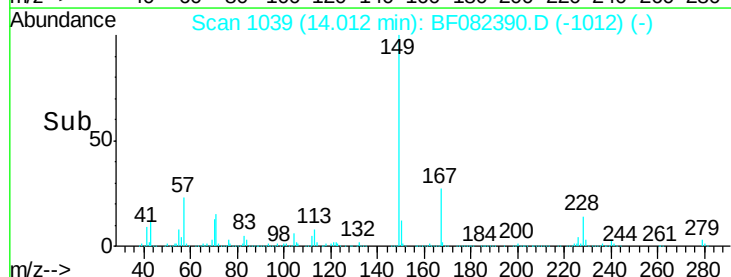
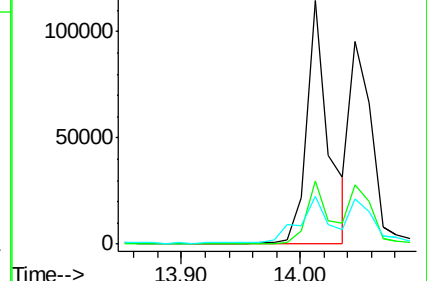
229 19.7 16.2 24.2

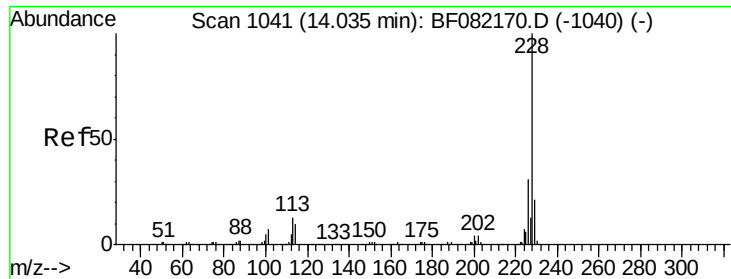


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.05 ng

RT: 14.05 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

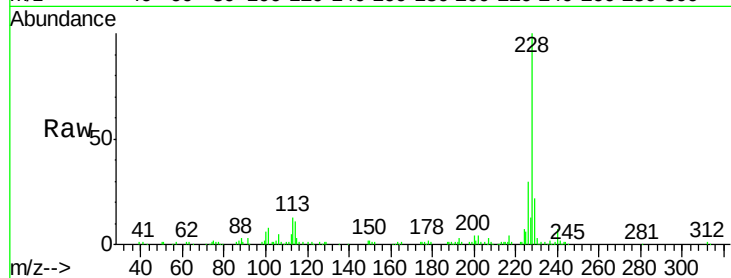
Tot Ion:228 Resp: 119659

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

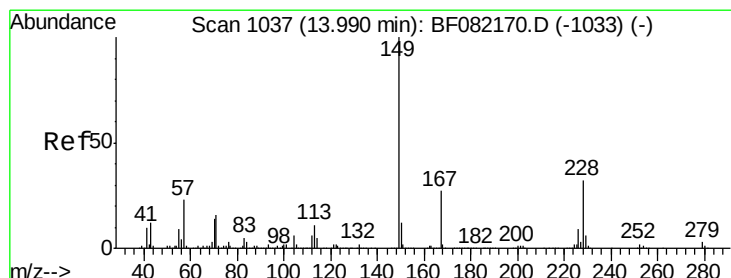
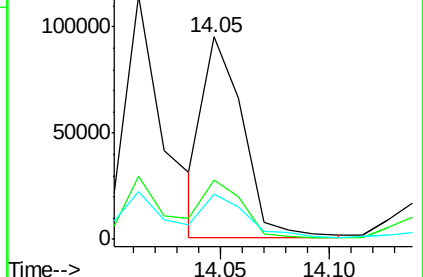
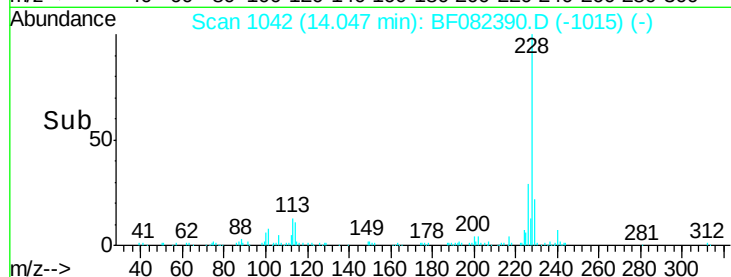
229 22.3 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 97.34 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.02 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

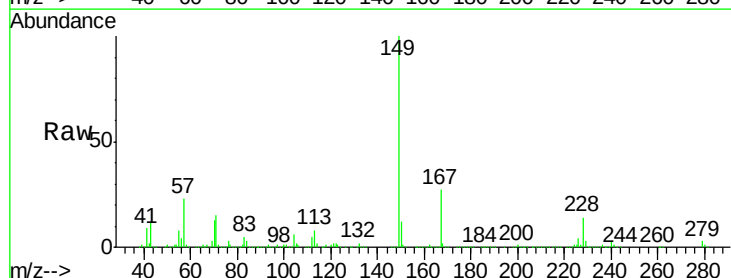
Tgt Ion:149 Resp: 816723

Ion Ratio Lower Upper

149 100

167 27.0 21.3 31.9

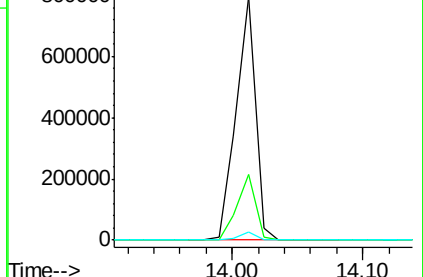
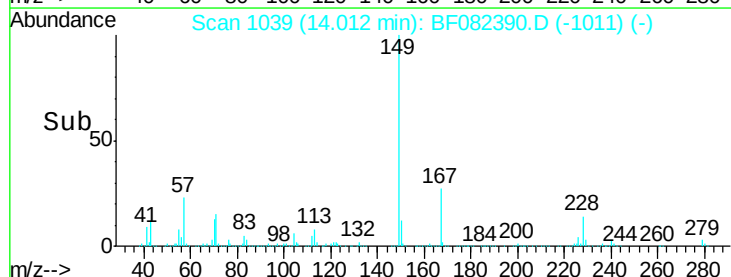
279 3.3 2.6 4.0

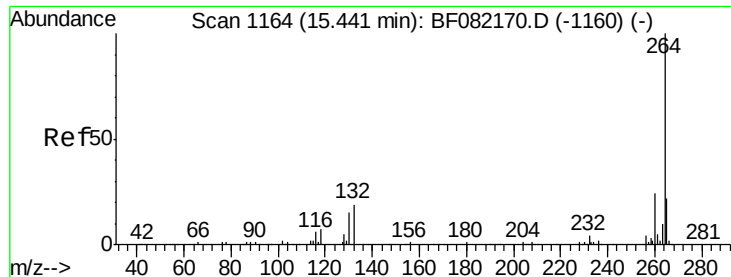


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

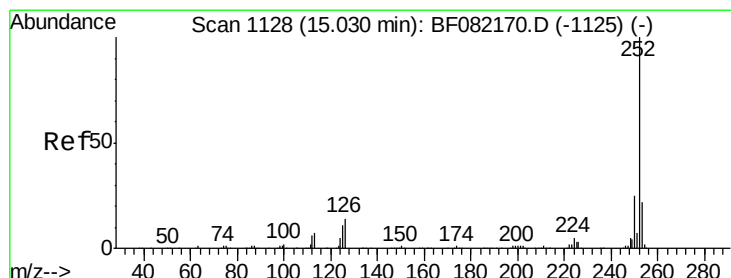
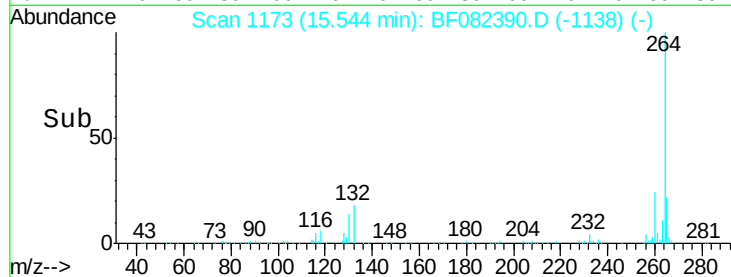
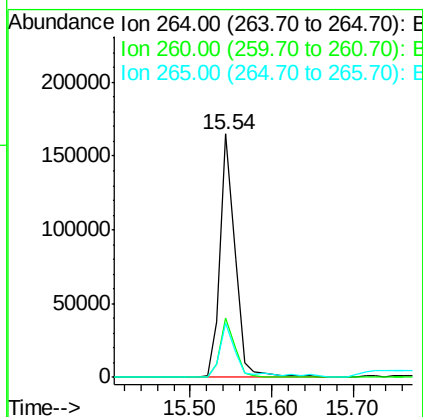
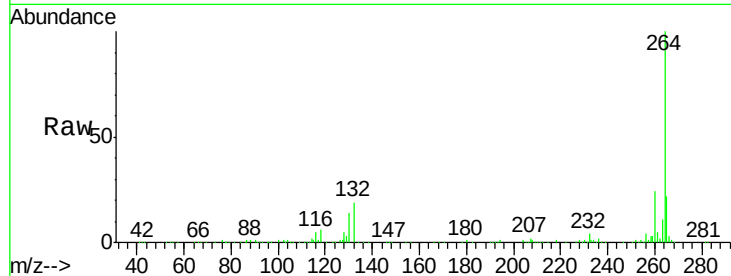




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. 0.10 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

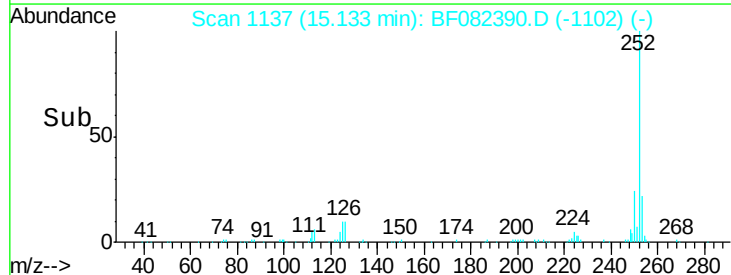
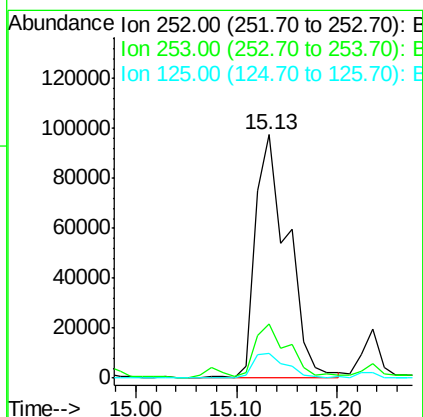
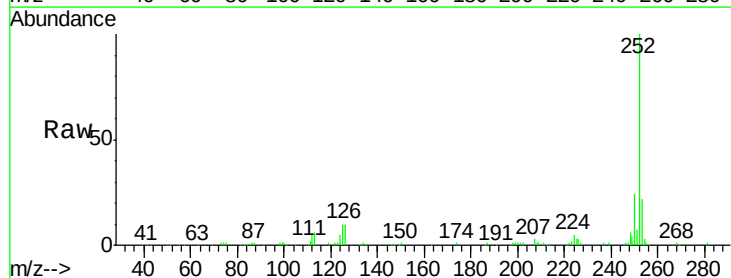
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

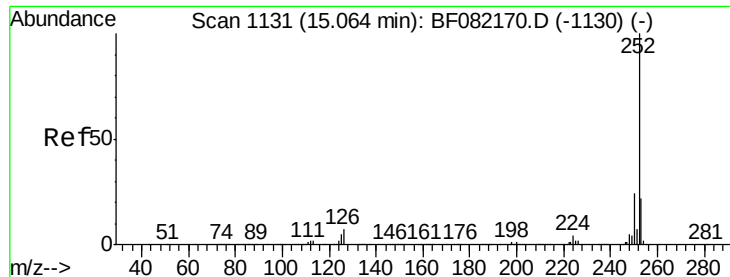
Tot Ion:264 Resp: 211252
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 22.0 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 16.88 ng
RT: 15.13 min Scan# 1137
Delta R.T. 0.10 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion:252 Resp: 216894
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 9.9 8.6 12.8

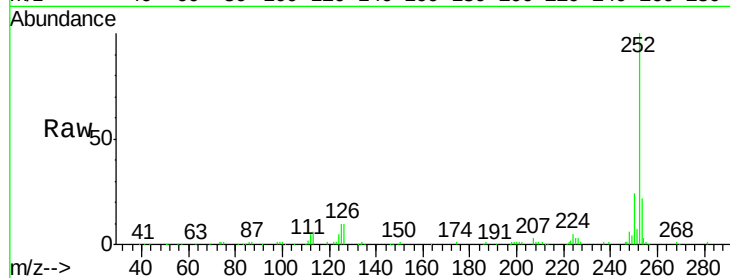




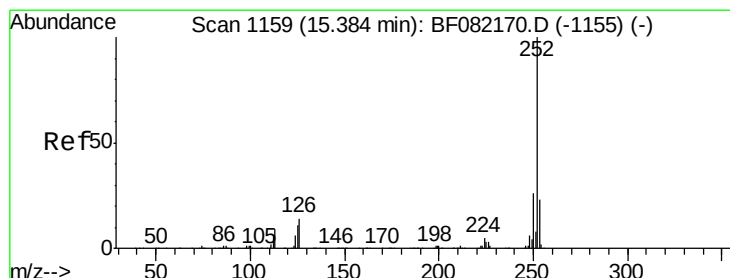
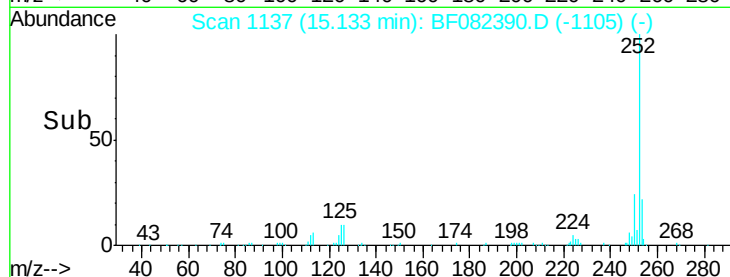
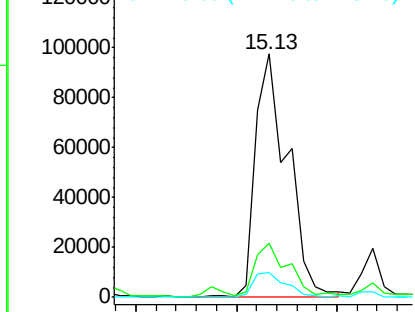
#88
Benzo(k)fluoranthene
Concen: 20.08 ng
RT: 15.13 min Scan# 1137
Delta R.T. 0.07 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

Tot Ion:252 Resp: 216894
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 9.9 6.7 10.1

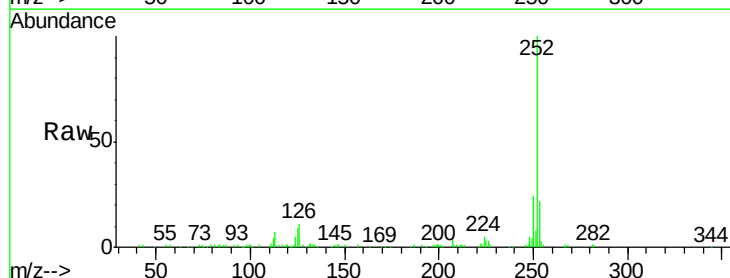


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

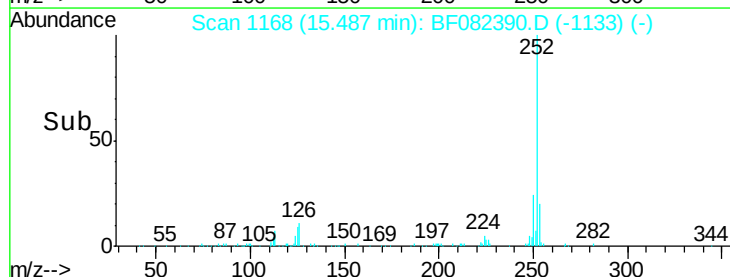
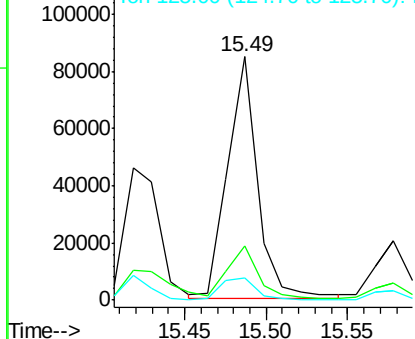


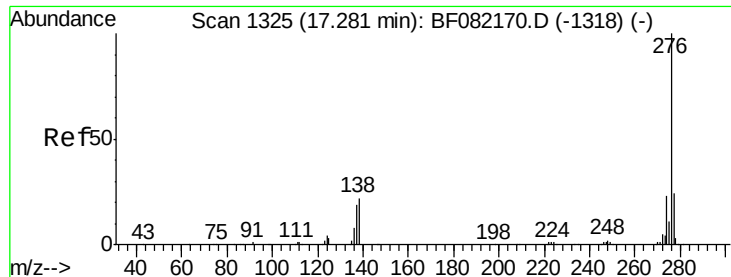
#89
Benzo(a)pyrene
Concen: 9.78 ng
RT: 15.49 min Scan# 1168
Delta R.T. 0.10 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion:252 Resp: 107984
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 9.0 8.9 13.3



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(a,h,i)perylene

Concen: 5.21 ng

RT: 17.40 min Scan# 1335

Delta R.T. 0.11 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL

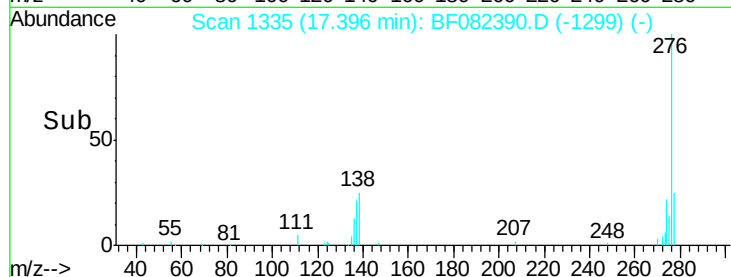
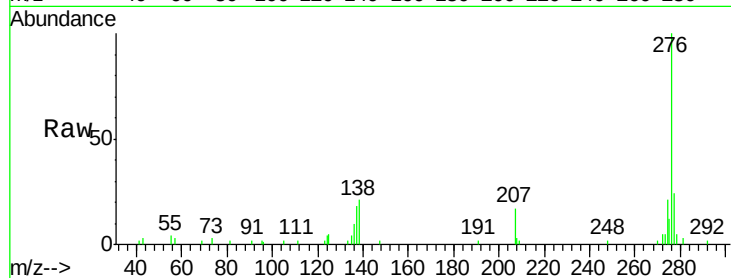
Tot Ion:276 Resp: 45813

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 21.0 17.4 26.2



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

