

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082338.D
 Acq On : 16 Oct 2015 21:10
 Operator : UM/IZ
 Sample : G4046-03 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATION

Quant Time: Oct 17 01:17:16 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	9046	20.00	ng	0.24
21) Naphthalene-d8	8.21	136	246864	20.00	ng	0.08
38) Acenaphthene-d10	9.95	164	130092	20.00	ng	0.07
63) Phenanthrene-d10	11.45	188	241981	20.00	ng	0.08
75) Chrysene-d12	14.17	240	134970	20.00	ng	0.10
86) Perylene-d12	15.76	264	210864	20.00	ng	0.17

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	12333	27.52	ng	0.10
7) Phenol-d6	6.56	99	18897	32.40	ng	0.08
23) Nitrobenzene-d5	7.49	82	10138	2.76	ng	0.07
41) 2,4,6-Tribromophenol	10.74	330	6192	5.08	ng	0.06
44) 2-Fluorobiphenyl	9.27	172	29638	3.78	ng	0.06
78) Terphenyl-d14	13.03	244	34929	6.86	ng	0.07

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.20	42	4229	19.04	ng	# 1
10) Phenol	6.57	94	1795	2.67	ng	97
17) 2-Methylphenol	7.34	107	2842	6.57	ng	# 78
18) Hexachloroethane	7.49	117	1501	6.59	ng	# 3
19) n-Nitroso-di-n-propylamine	7.49	70	1038	2.53	ng	# 77
20) 3+4-Methylphenols	7.34	107	2842	5.51	ng	# 71
31) Naphthalene	8.23	128	413689	38.66	ng	99
33) 4-Chloroaniline	8.23	127	52515	11.82	ng	# 34
35) Caprolactam	8.91	113	2181	2.35	ng	# 1
37) 2-Methylnaphthalene	8.91	142	109786	14.80	ng	99
45) 1,1'-Biphenyl	9.37	154	28329	2.86	ng	99
48) Acenaphthylene	9.99	152	253671	20.85	ng	# 1
50) 2,6-Dinitrotoluene	9.95	165	21439	11.09	ng	# 31
51) Acenaphthene	9.99	154	458645	62.80	ng	100
54) Dibenzofuran	10.16	168	359575	35.86	ng	97
55) 4-Nitrophenol	10.16	139	131120	84.82	ng	# 12
56) 2,4-Dinitrotoluene	10.11	165	6496	2.69	ng	# 47
57) Fluorene	10.50	166	486755	59.11	ng	99
61) 4-Nitroaniline	10.50	138	5322	2.51	ng	# 21
70) Phenanthrene	11.49	178	3181816	268.26	ng	95
71) Anthracene	11.53	178	1152195	94.27	ng	99
72) Carbazole	11.68	167	712020	63.86	ng	99
74) Fluoranthene	12.69	202	3800314	298.32	ng	96
77) Pyrene	12.92	202	2915937	364.04	ng	95
80) Benzo(a)anthracene	14.16	228	1210130	172.32	ng	98
82) Chrysene	14.16	228	1210130	163.54	ng	95
83) Bis(2-ethylhexyl)phthalate	14.16	149	4700183	901.26	ng	# 93
84) Di-n-octyl phthalate	14.85	149	107073	11.96	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.09	276	137152	23.32	ng	98
87) Benzo(b)fluoranthene	15.33	252	2685674	209.35	ng	98
88) Benzo(k)fluoranthene	15.33	252	2685674	249.07	ng	# 96
89) Benzo(a)pyrene	15.70	252	1344288	121.93	ng	97
90) Dibenzo(a,h)anthracene	17.05	278	133827	14.81	ng	95
91) Benzo(g,h,i)perylene	17.72	276	617165	70.31	ng	99

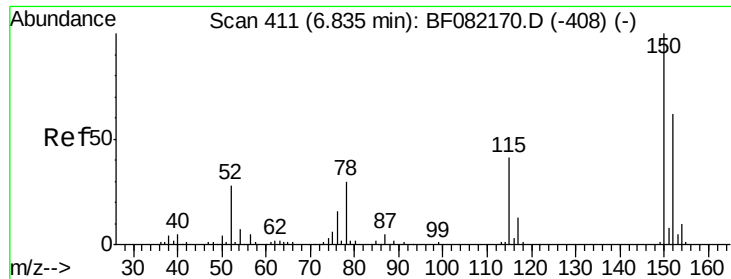
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082338.D
Acq On : 16 Oct 2015 21:10
Operator : UM/IZ
Sample : G4046-03 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 17 01:17:16 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 17 01:08:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

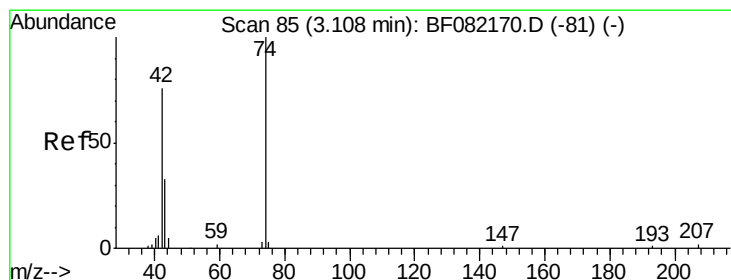
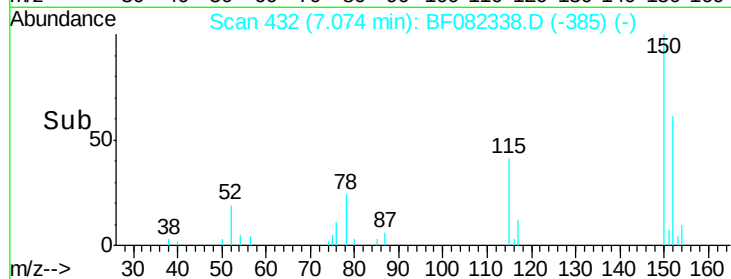
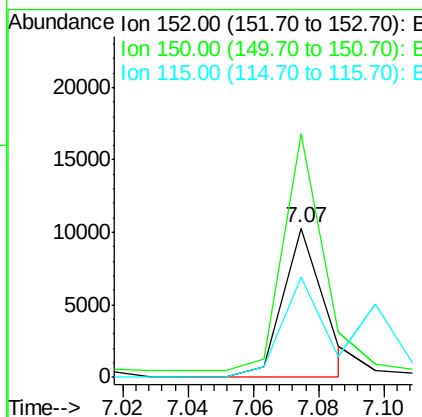
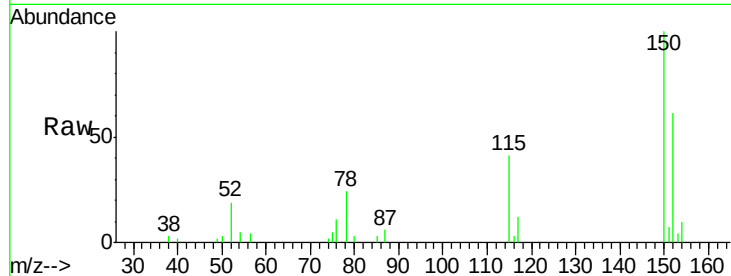


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 432
Delta R.T. 0.24 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

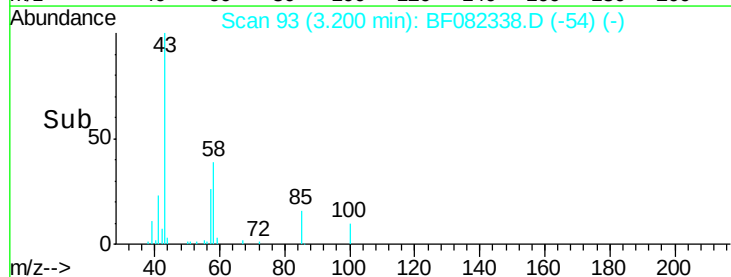
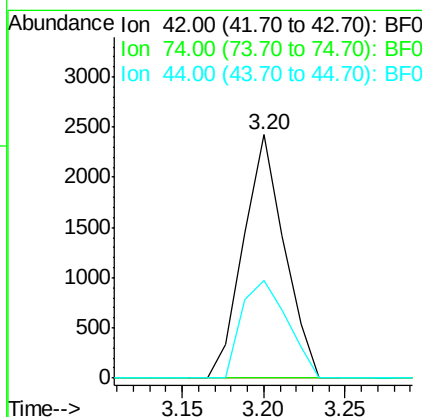
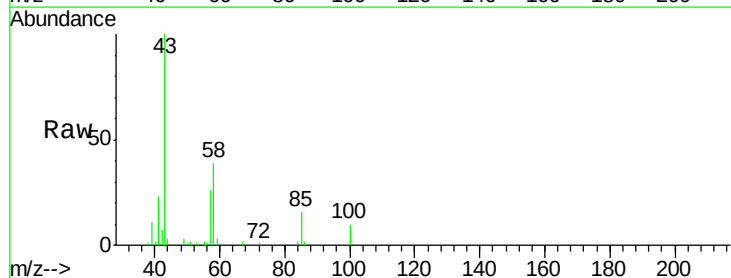
Tot Ion:152 Resp: 9046
Ion Ratio Lower Upper
152 100
150 163.4 129.0 193.4
115 67.4 52.1 78.1

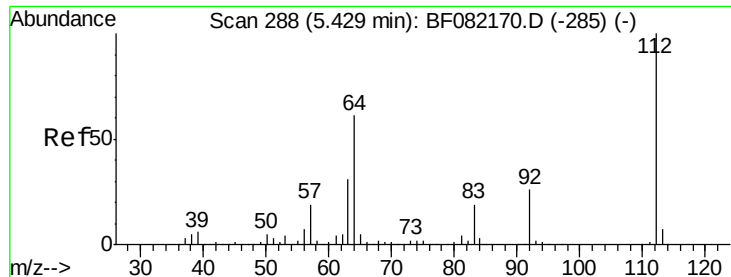


#4

n-Nitrosodimethylamine
Concen: 19.04 ng
RT: 3.20 min Scan# 93
Delta R.T. 0.15 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion: 42 Resp: 4229
Ion Ratio Lower Upper
42 100
74 0.0 105.7 158.5#
44 40.0 5.4 8.2#





#5

2-Fluorophenol

Concen: 27.52 ng

RT: 5.53 min Scan# 297

Delta R.T. 0.10 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

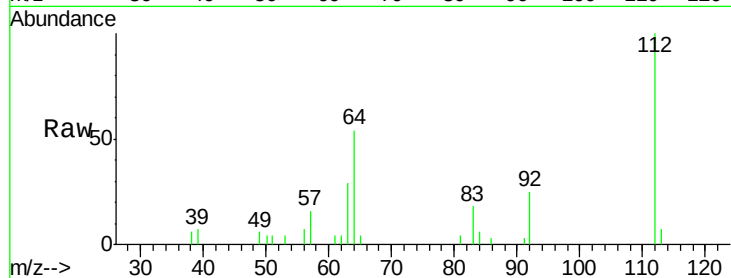
Tot Ion:112 Resp: 12333

Ion Ratio Lower Upper

112 100

64 54.0 48.6 73.0

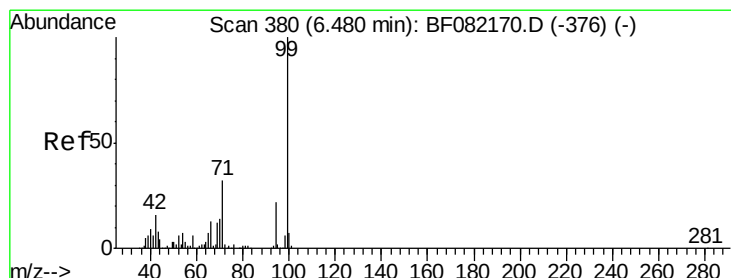
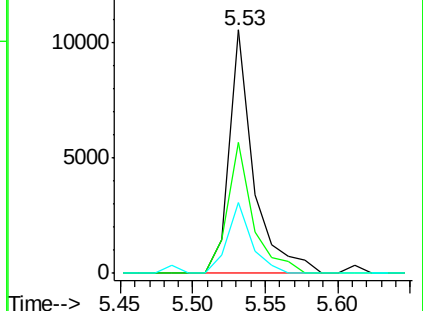
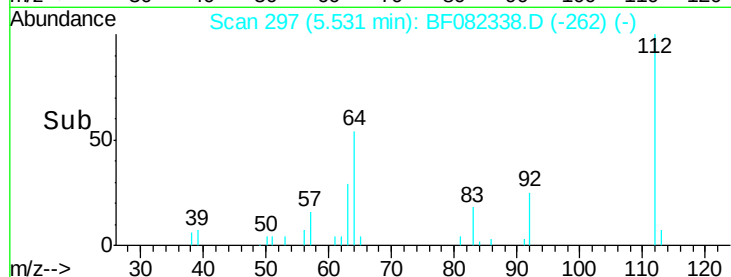
63 29.0 25.1 37.7



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: 32.40 ng

RT: 6.56 min Scan# 387

Delta R.T. 0.08 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

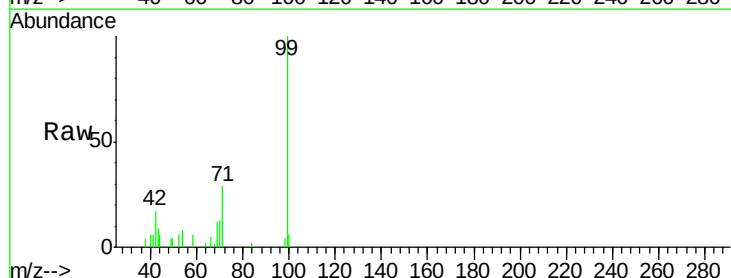
Tgt Ion: 99 Resp: 18897

Ion Ratio Lower Upper

99 100

42 16.8 13.2 19.8

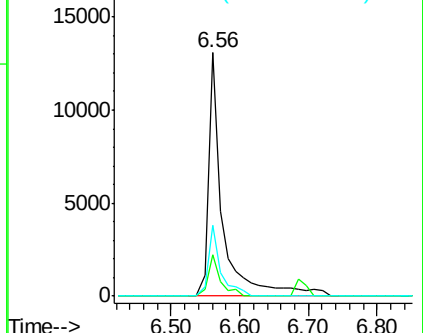
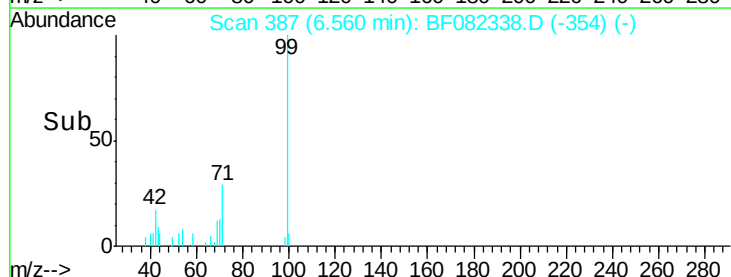
71 29.1 25.6 38.4

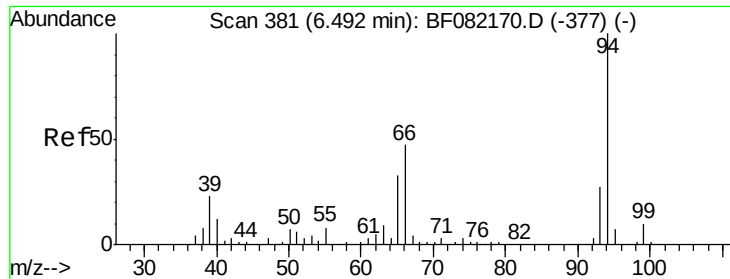


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.67 ng

RT: 6.57 min Scan# 388

Delta R.T. 0.07 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

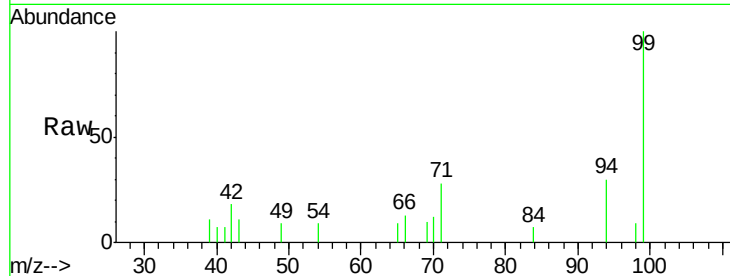
Tot Ion: 94 Resp: 1795

Ion Ratio Lower Upper

94 100

65 31.3 12.6 52.6

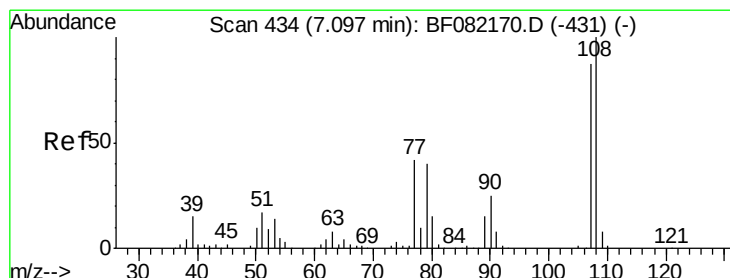
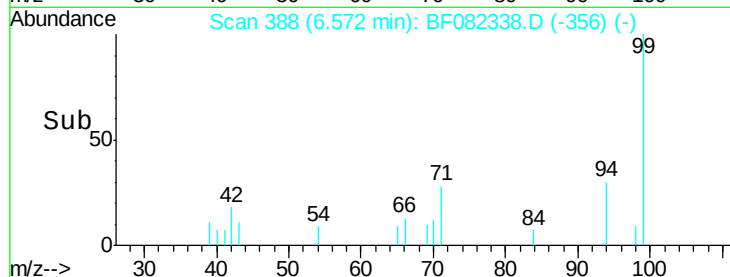
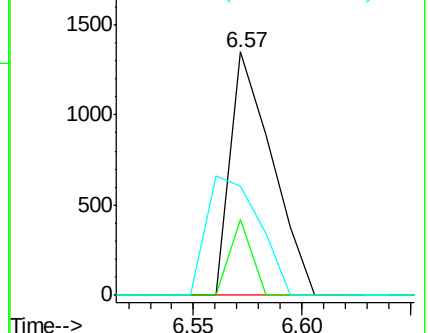
66 44.8 27.3 67.3



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#17

2-Methylphenol

Concen: 6.57 ng

RT: 7.34 min Scan# 455

Delta R.T. 0.23 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Tgt Ion: 107 Resp: 2842

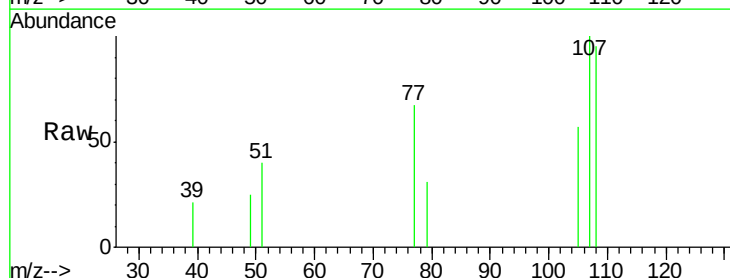
Ion Ratio Lower Upper

107 100

108 94.9 92.2 138.2

77 66.6 39.6 59.4#

79 30.9 38.2 57.4#

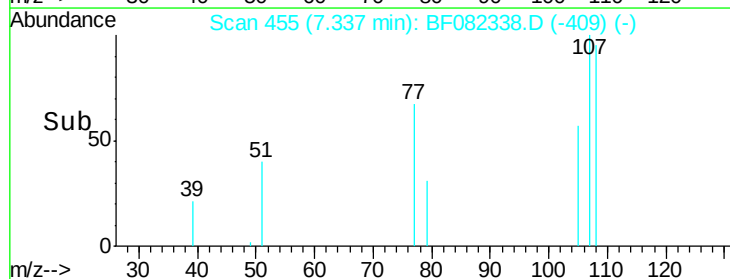
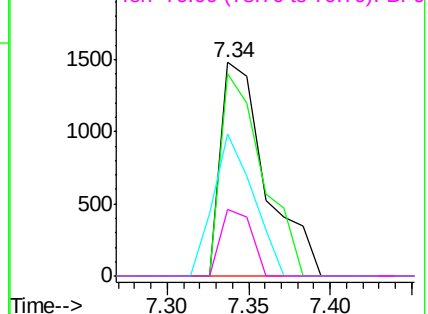


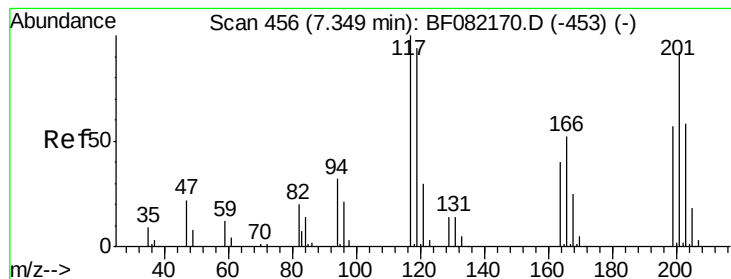
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#18

Hexachloroethane

Concen: 6.59 ng

RT: 7.49 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

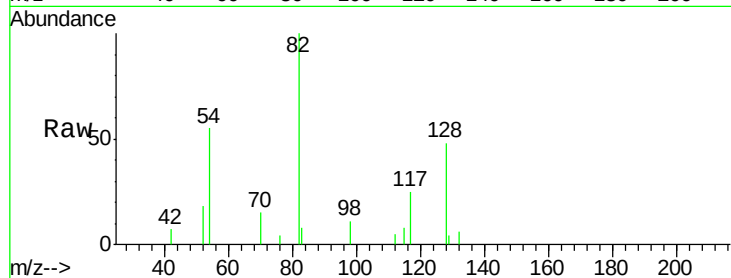
Tot Ion: 117 Resp: 1501

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

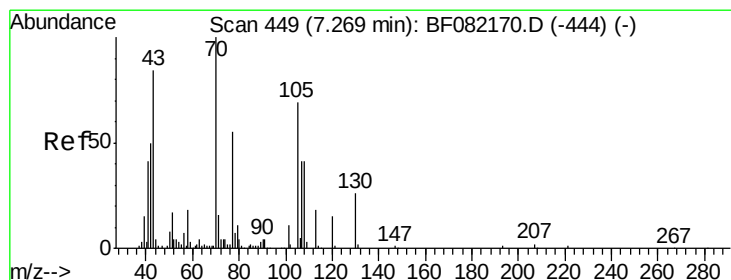
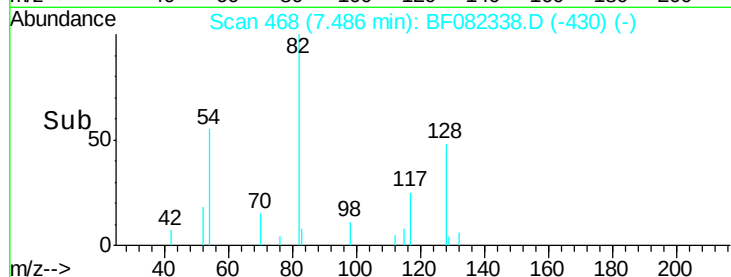
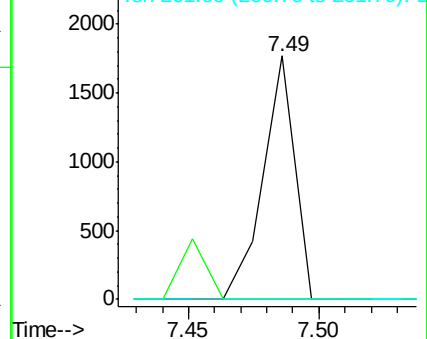
201 0.0 73.4 110.0#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 2.53 ng

RT: 7.49 min Scan# 468

Delta R.T. 0.23 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Tgt Ion: 70 Resp: 1038

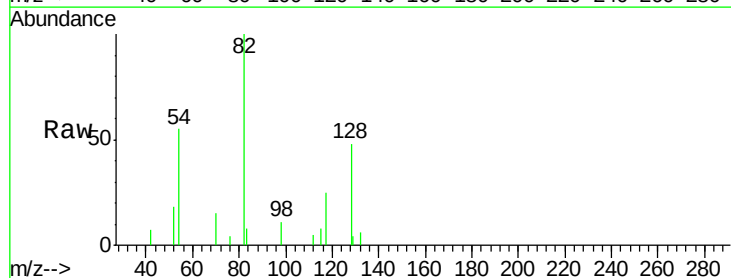
Ion Ratio Lower Upper

70 100

42 45.0 39.8 59.8

101 0.0 8.6 13.0#

130 0.0 20.5 30.7#

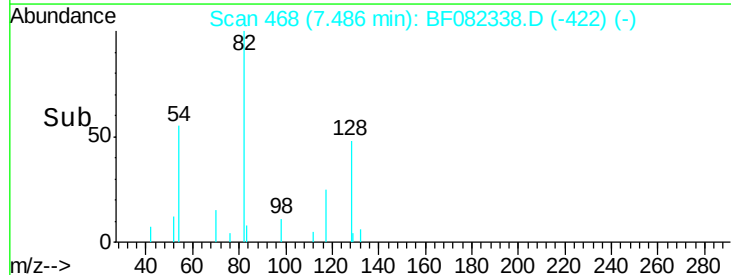
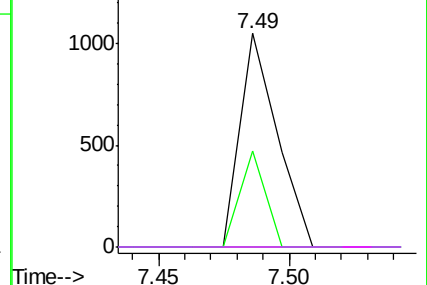


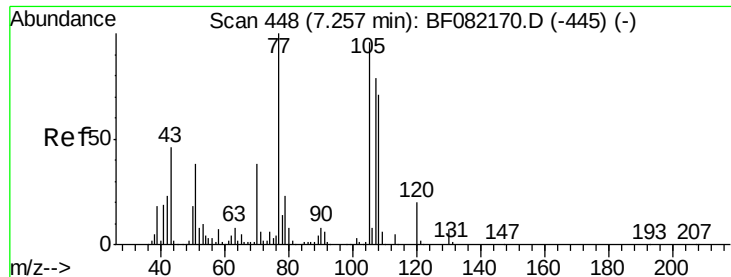
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

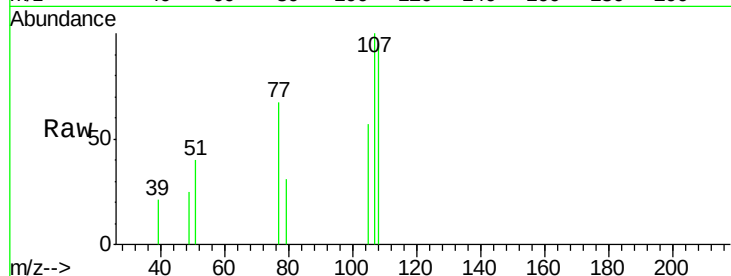




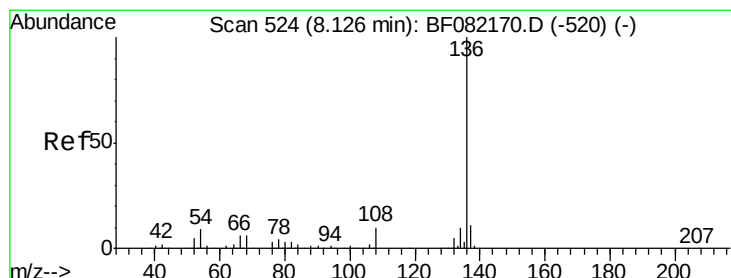
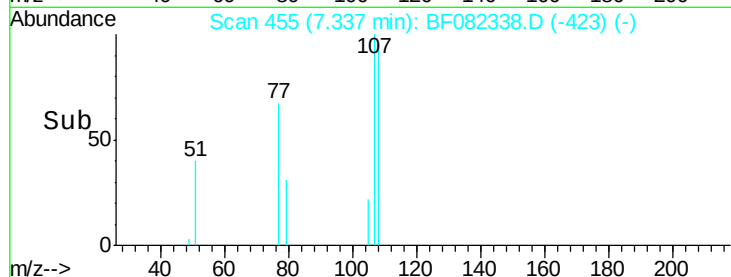
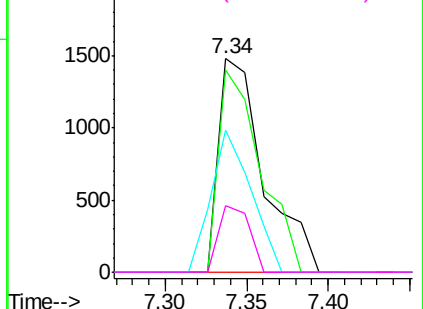
#20
3+4-Methylphenols
Concen: 5.51 ng
RT: 7.34 min Scan# 455
Delta R.T. 0.07 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

Tot Ion:107 Resp: 2842
Ion Ratio Lower Upper
107 100
108 94.9 69.9 109.9
77 66.6 106.0 146.0#
79 30.9 9.8 49.8

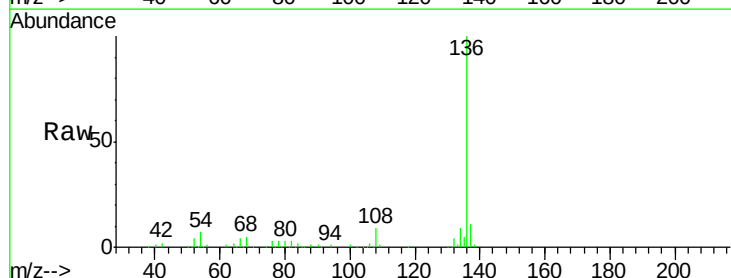


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

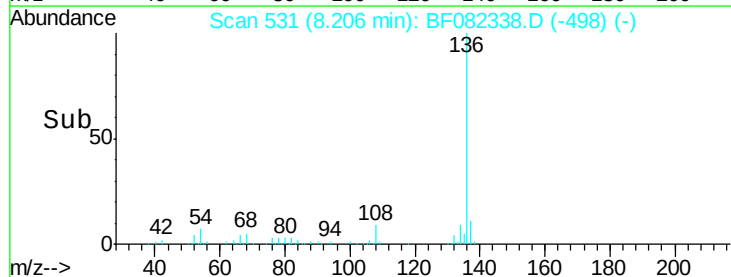
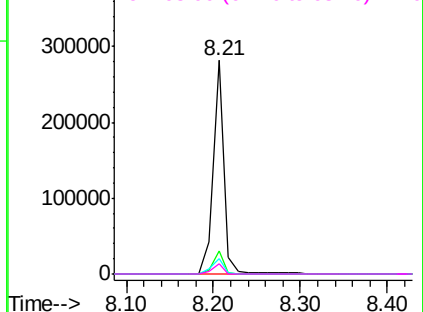


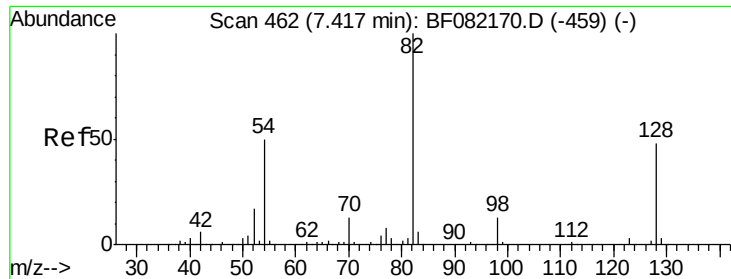
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 531
Delta R.T. 0.08 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion:136 Resp: 246864
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 7.0 7.5 11.3#
68 4.6 4.6 7.0#



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

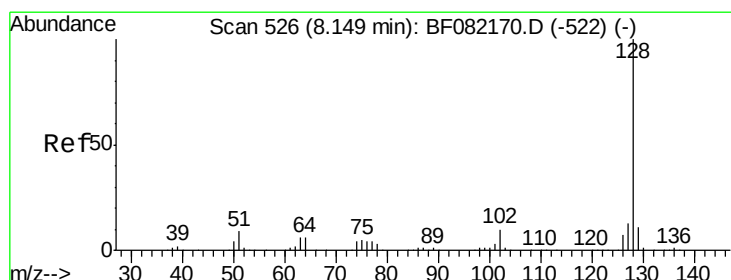
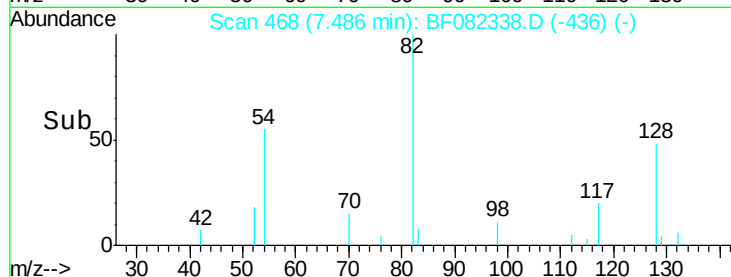
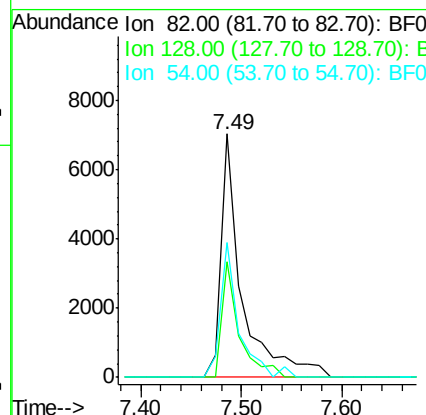
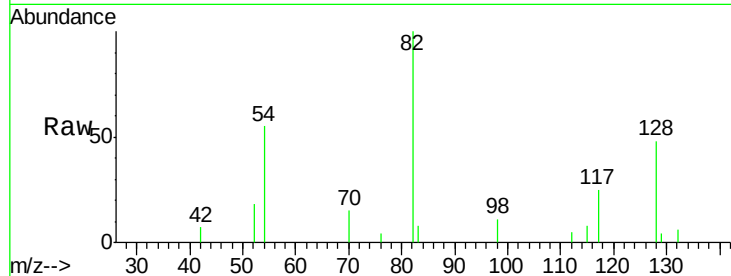




#23
Nitrobenzene-d5
Concen: 2.76 ng
RT: 7.49 min Scan# 468
Delta R.T. 0.07 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

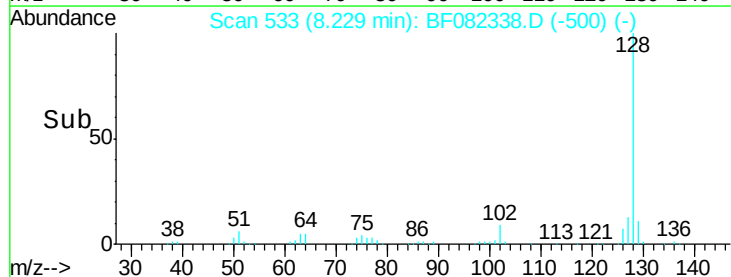
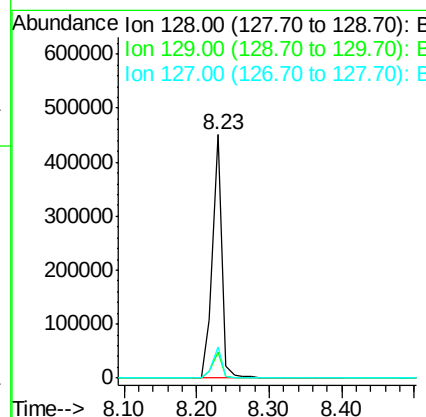
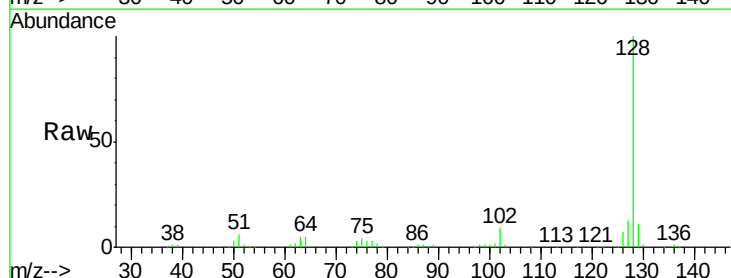
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

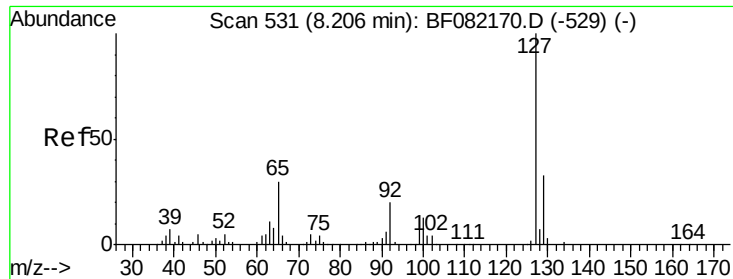
Tot Ion: 82 Resp: 10138
Ion Ratio Lower Upper
82 100
128 47.6 38.7 58.1
54 55.2 40.1 60.1



#31
Naphthalene
Concen: 38.66 ng
RT: 8.23 min Scan# 533
Delta R.T. 0.08 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion: 128 Resp: 413689
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.0 10.7 16.1

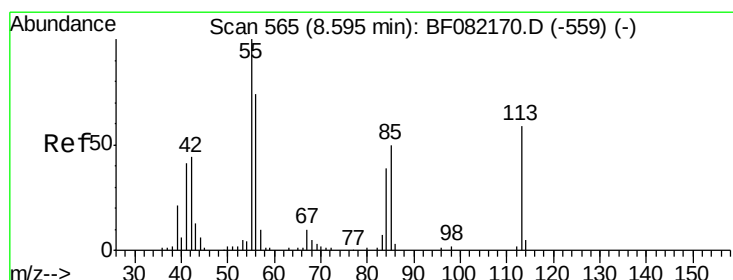
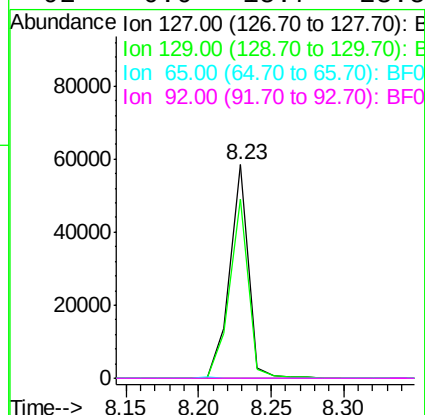
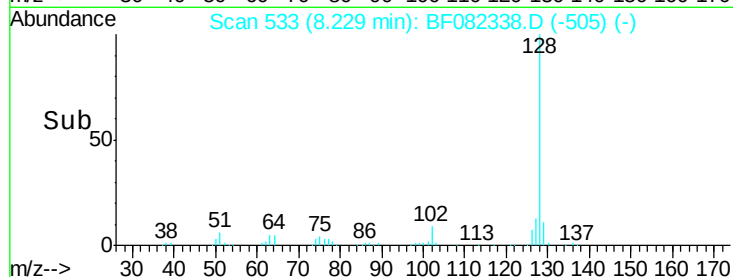
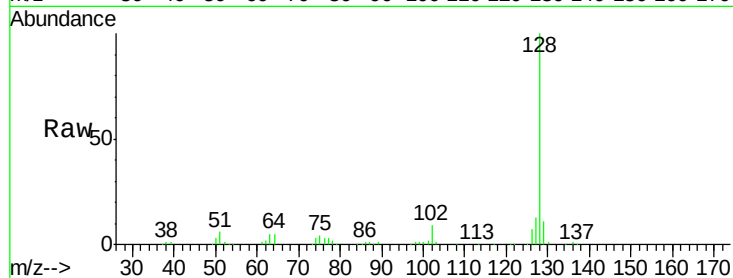




#33
4-Chloroaniline
Concen: 11.82 ng
RT: 8.23 min Scan# 533
Delta R.T. 0.02 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

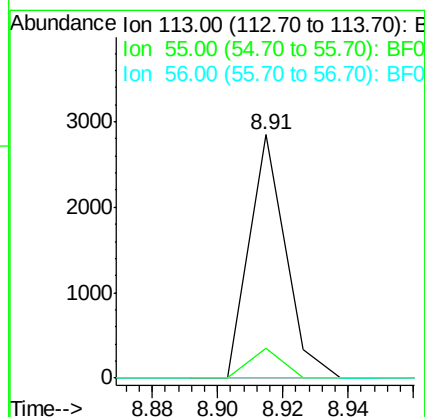
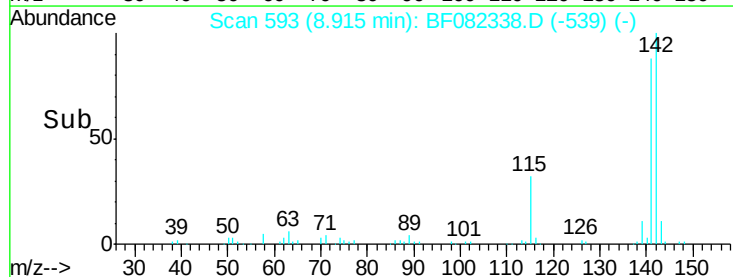
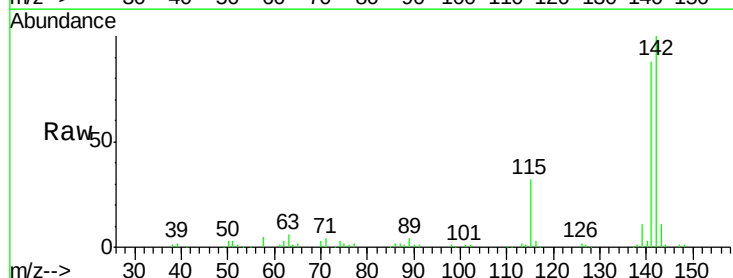
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

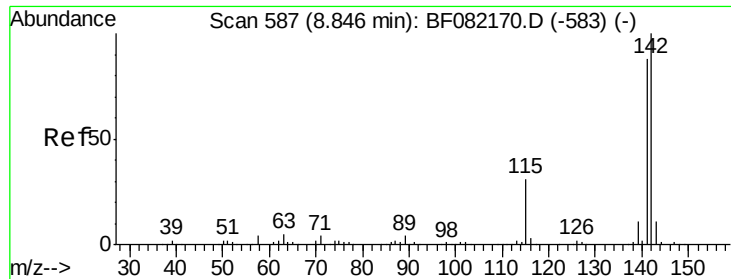
Tot Ion:127 Resp: 52515
Ion Ratio Lower Upper
127 100
129 83.8 26.3 39.5#
65 0.0 24.4 36.6#
92 0.0 15.7 23.5#



#35
Caprolactam
Concen: 2.35 ng
RT: 8.91 min Scan# 593
Delta R.T. 0.32 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion:113 Resp: 2181
Ion Ratio Lower Upper
113 100
55 12.4 149.7 189.7#
56 0.0 105.4 145.4#

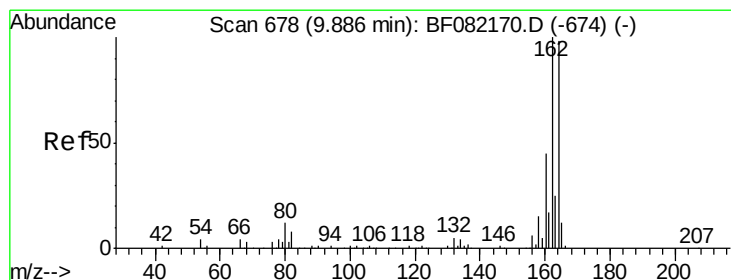
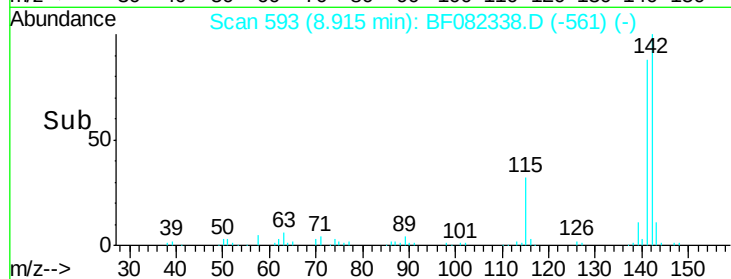
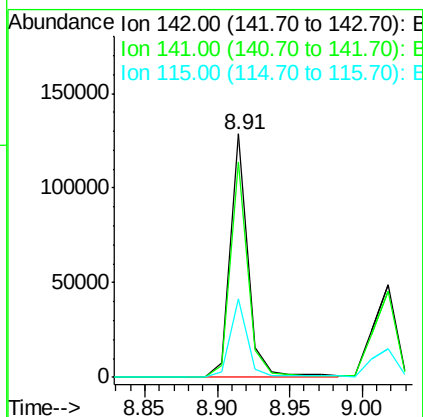
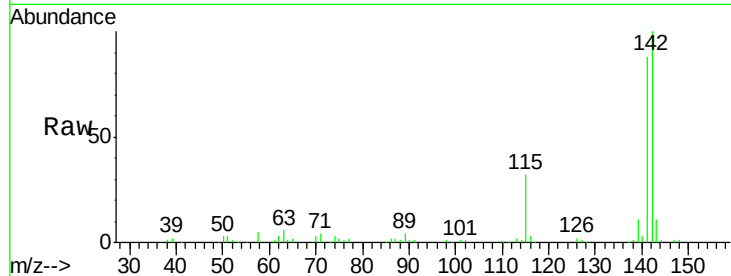




#37
 2-Methylnaphthalene
 Concen: 14.80 ng
 RT: 8.91 min Scan# 593
 Delta R.T. 0.07 min
 Lab File: BF082338.D
 Acq: 16 Oct 2015 21:10

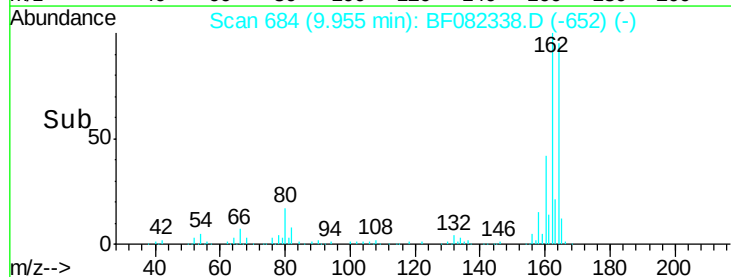
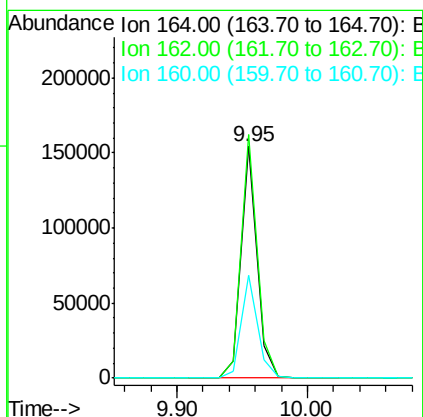
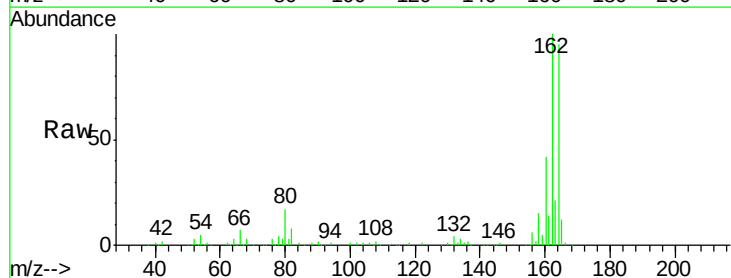
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATION

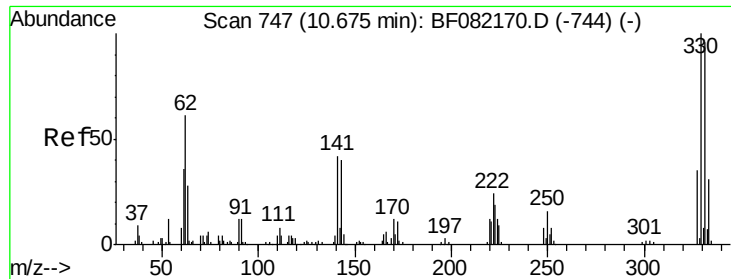
Tot Ion:142 Resp: 109786
 Ion Ratio Lower Upper
 142 100
 141 88.4 70.4 105.6
 115 32.1 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 684
 Delta R.T. 0.07 min
 Lab File: BF082338.D
 Acq: 16 Oct 2015 21:10

Tgt Ion:164 Resp: 130092
 Ion Ratio Lower Upper
 164 100
 162 105.0 81.6 122.4
 160 44.6 36.4 54.6

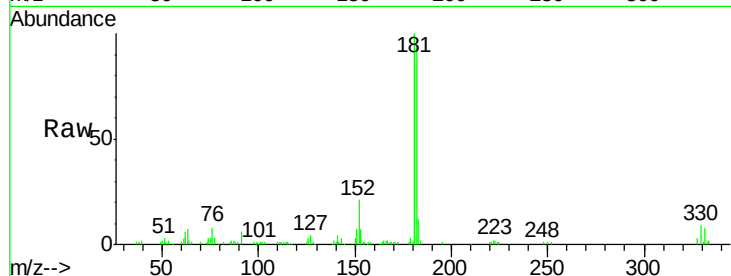




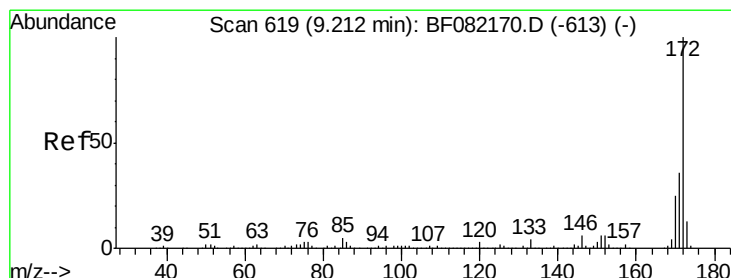
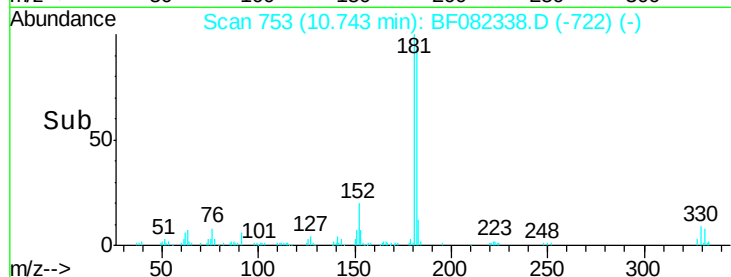
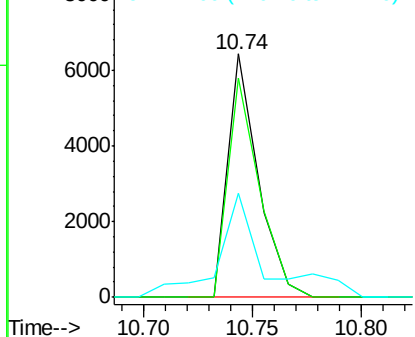
#41
 2,4,6-Tribromophenol
 Concen: 5.08 ng
 RT: 10.74 min Scan# 753
 Delta R.T. 0.06 min
 Lab File: BF082338.D
 Acq: 16 Oct 2015 21:10

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATION

Tot Ion:330 Resp: 6192
 Ion Ratio Lower Upper
 330 100
 332 93.2 77.1 115.7
 141 67.4 29.8 44.8#

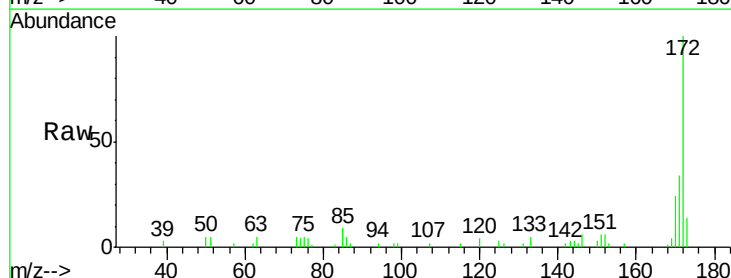


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

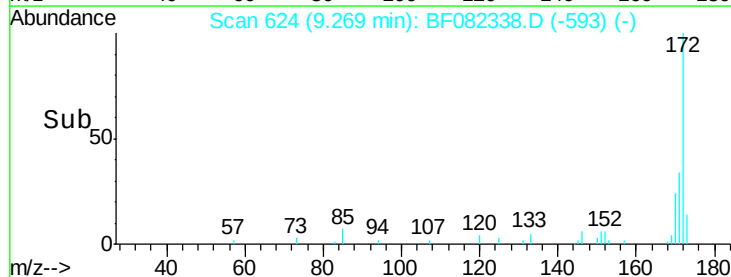
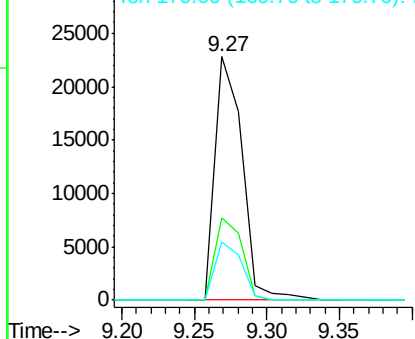


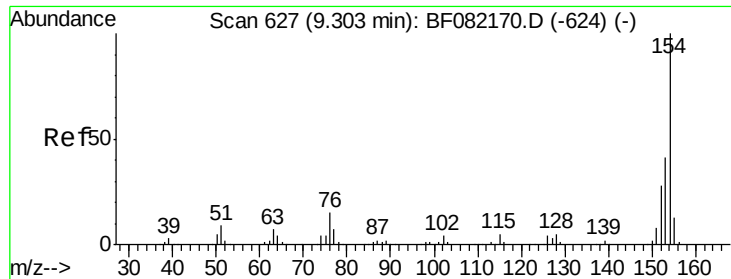
#44
 2-Fluorobiphenyl
 Concen: 3.78 ng
 RT: 9.27 min Scan# 624
 Delta R.T. 0.06 min
 Lab File: BF082338.D
 Acq: 16 Oct 2015 21:10

Tgt Ion:172 Resp: 29638
 Ion Ratio Lower Upper
 172 100
 171 34.0 28.6 42.8
 170 23.8 19.7 29.5



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

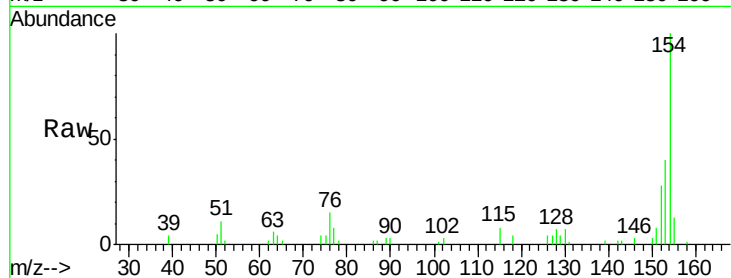




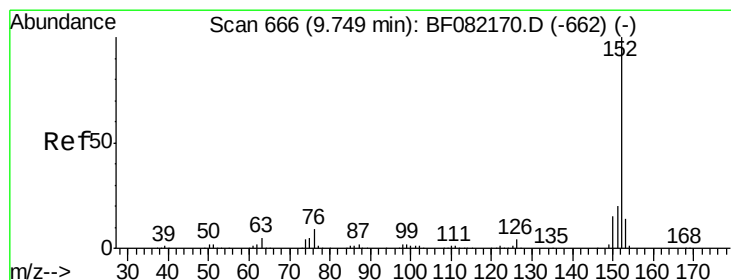
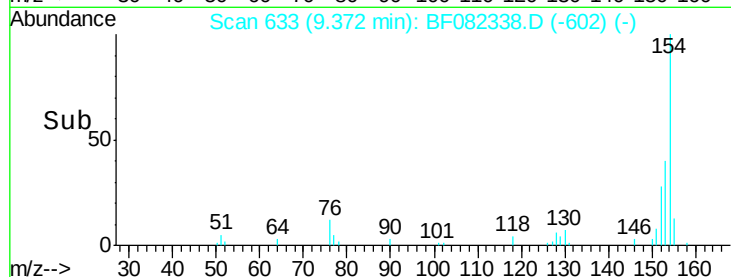
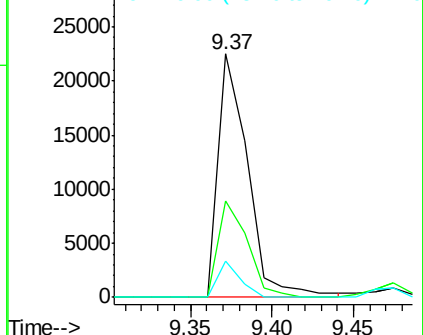
#45
1,1'-Biphenyl
Concen: 2.86 ng
RT: 9.37 min Scan# 633
Delta R.T. 0.06 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

Tot Ion:154 Resp: 28329
Ion Ratio Lower Upper
154 100
153 39.8 20.6 60.6
76 15.1 0.0 35.2

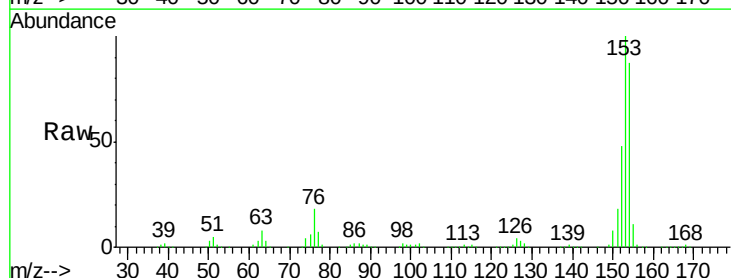


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

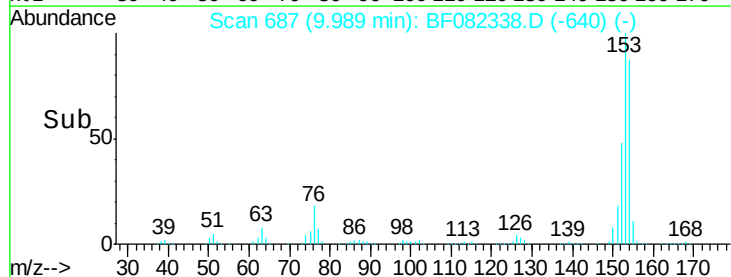
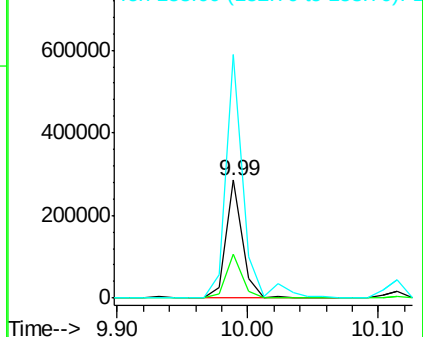


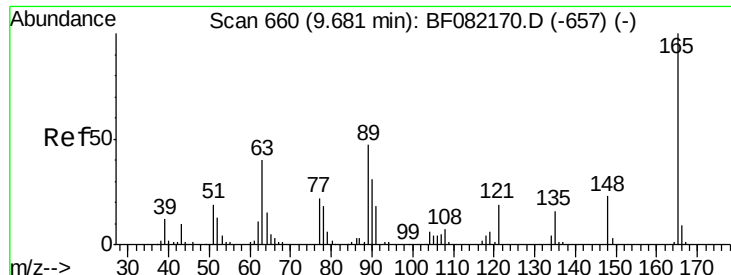
#48
Acenaphthylene
Concen: 20.85 ng
RT: 9.99 min Scan# 687
Delta R.T. 0.24 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion:152 Resp: 253671
Ion Ratio Lower Upper
152 100
151 37.4 16.4 24.6#
153 206.6 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

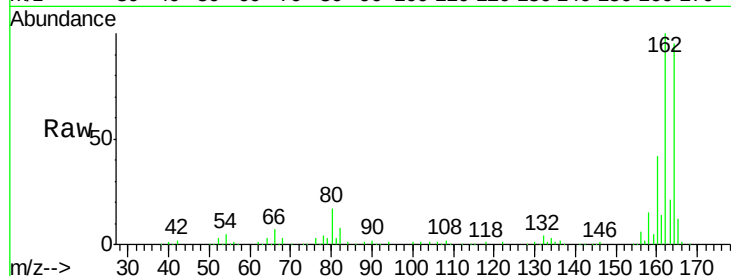




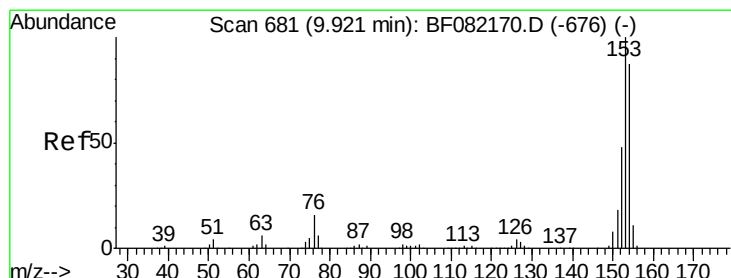
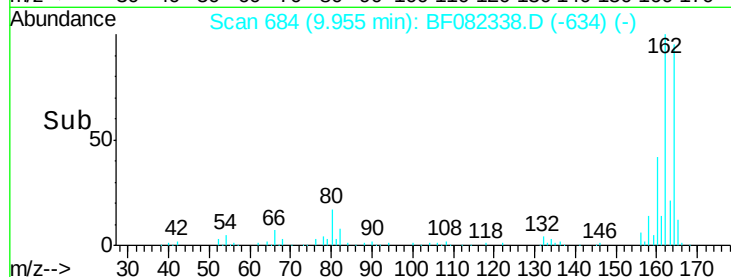
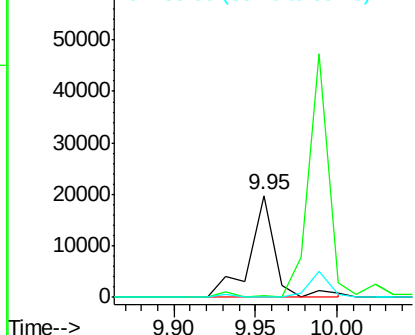
#50
2,6-Dinitrotoluene
Concen: 11.09 ng
RT: 9.95 min Scan# 684
Delta R.T. 0.27 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

Tot Ion:165 Resp: 21439
Ion Ratio Lower Upper
165 100
63 1.7 36.7 55.1#
89 0.0 37.8 56.6#

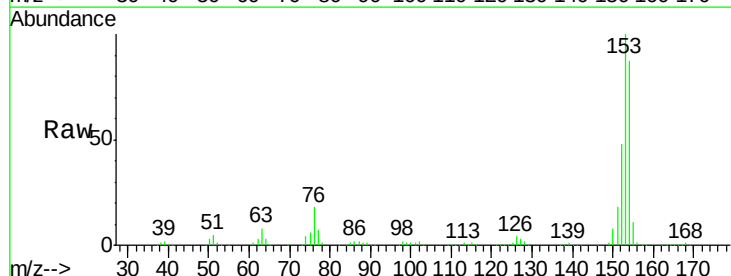


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

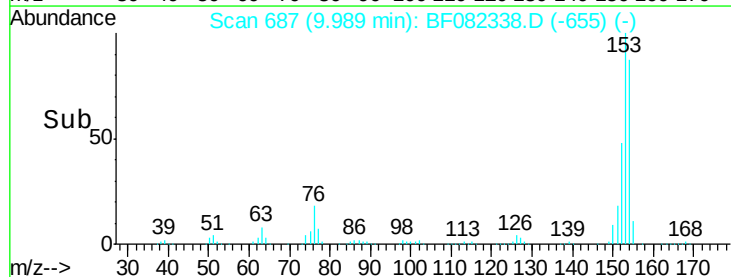
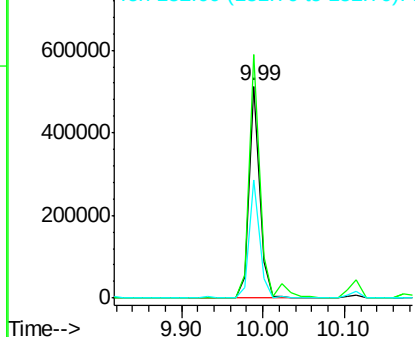


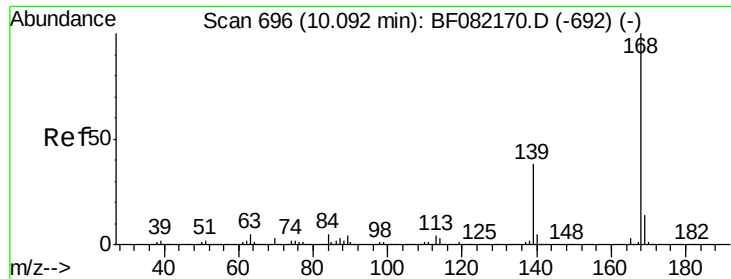
#51
Acenaphthene
Concen: 62.80 ng
RT: 9.99 min Scan# 687
Delta R.T. 0.07 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion:154 Resp: 458645
Ion Ratio Lower Upper
154 100
153 114.7 91.4 137.2
152 55.5 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

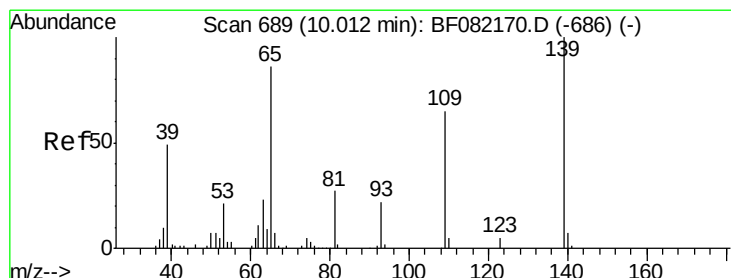
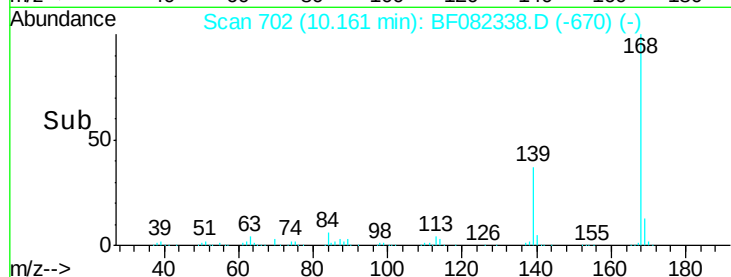
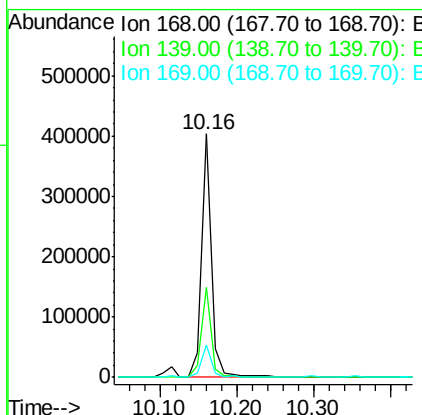
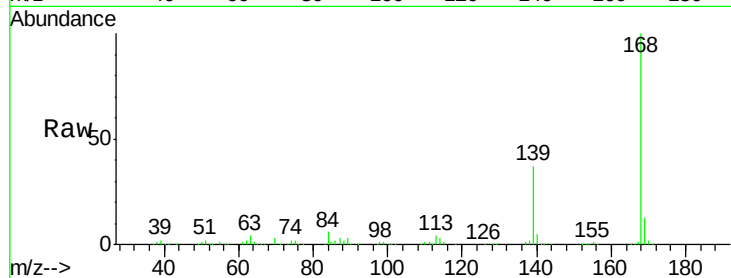




#54
Dibenzofuran
Concen: 35.86 ng
RT: 10.16 min Scan# 702
Delta R.T. 0.07 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

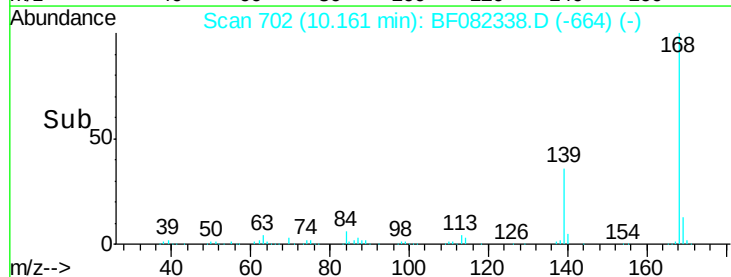
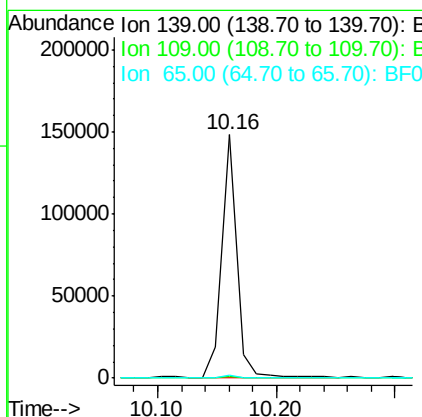
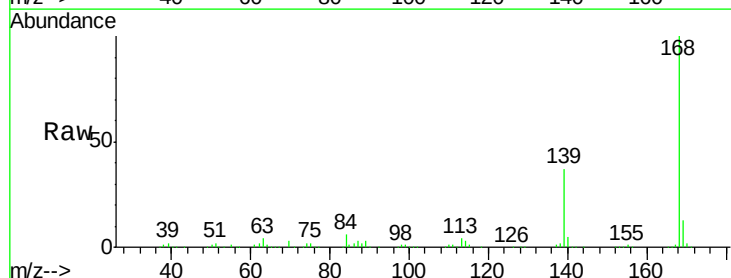
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

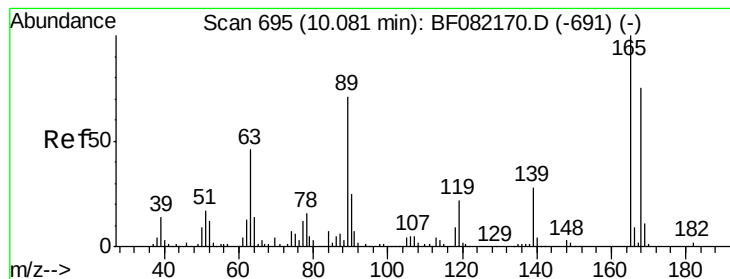
Tot Ion:168 Resp: 359575
Ion Ratio Lower Upper
168 100
139 36.7 31.0 46.6
169 13.5 10.9 16.3



#55
4-Nitrophenol
Concen: 84.82 ng
RT: 10.16 min Scan# 702
Delta R.T. 0.14 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion:139 Resp: 131120
Ion Ratio Lower Upper
139 100
109 0.8 44.8 84.8#
65 1.3 67.7 107.7#





#56

2,4-Dinitrotoluene

Concen: 2.69 ng

RT: 10.11 min Scan# 698

Delta R.T. 0.03 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

Tot Ion:165 Resp: 6496

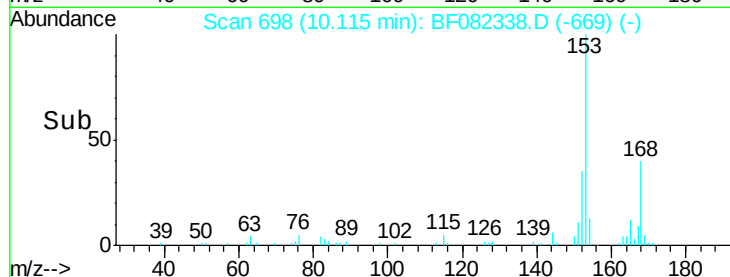
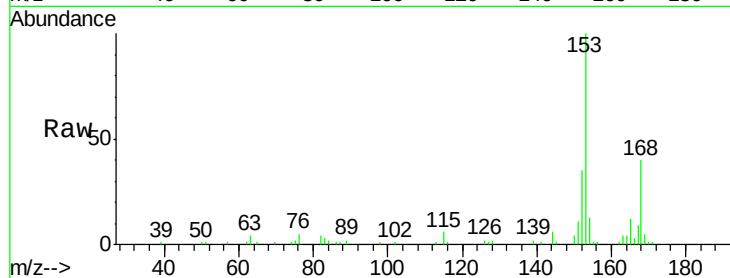
Ion Ratio Lower Upper

165 100

63 28.2 38.6 58.0#

89 12.6 57.0 85.6#

182 0.0 1.8 2.6#

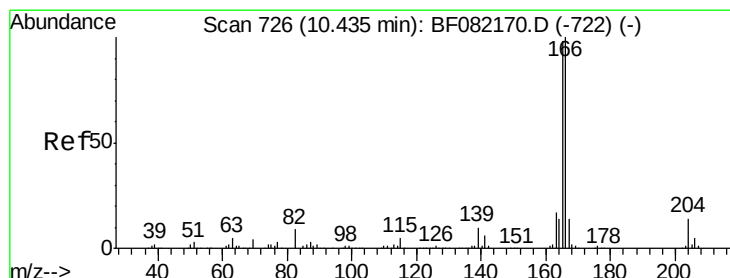
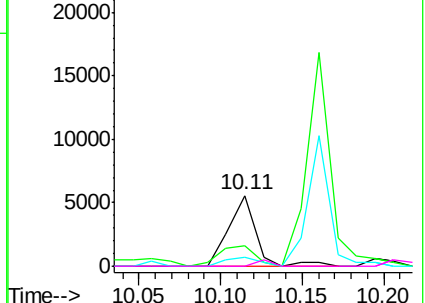


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 59.11 ng

RT: 10.50 min Scan# 732

Delta R.T. 0.07 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

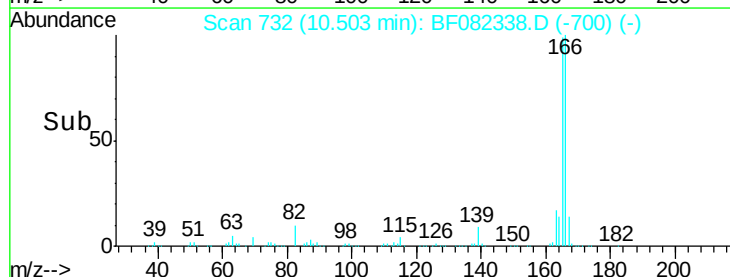
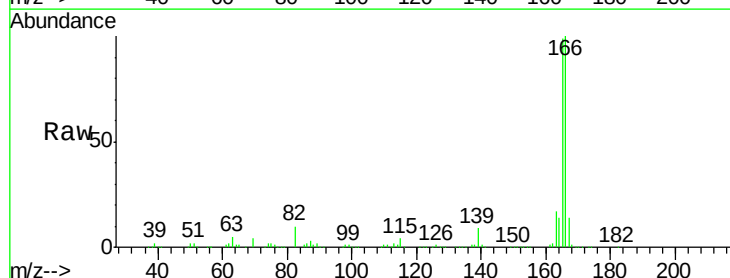
Tgt Ion:166 Resp: 486755

Ion Ratio Lower Upper

166 100

165 98.5 78.3 117.5

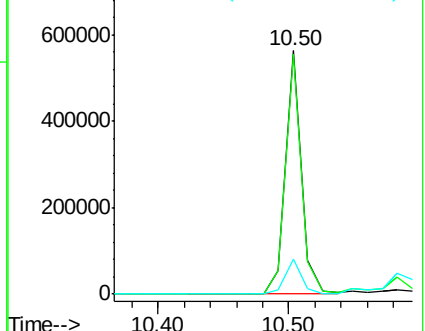
167 14.1 10.8 16.2

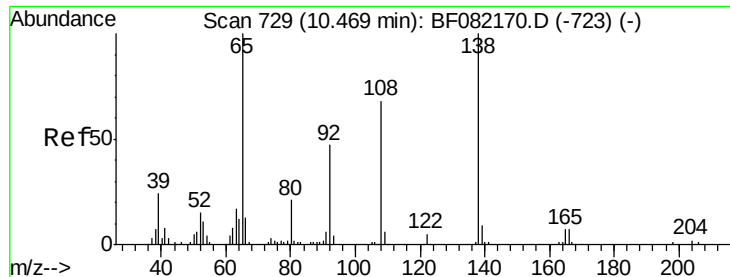


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

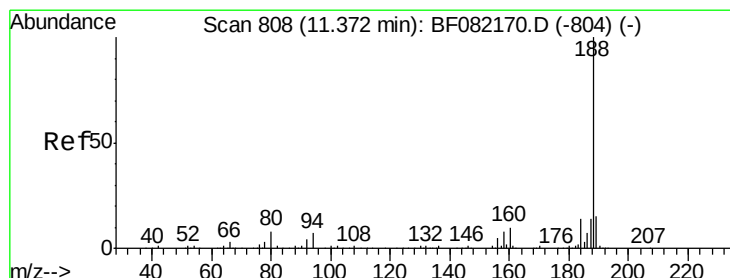
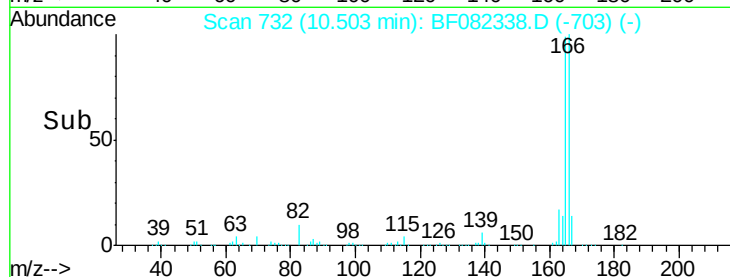
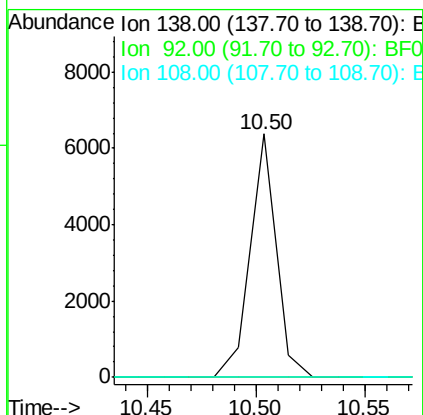
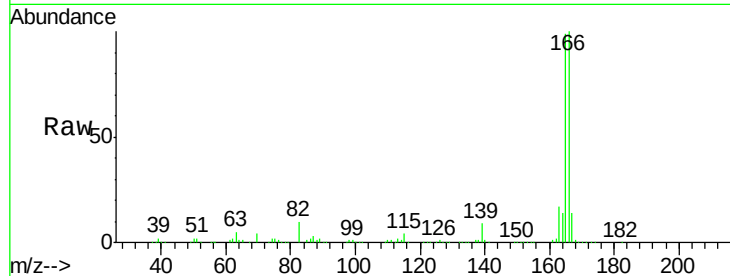




#61
4-Nitroaniline
Concen: 2.51 ng
RT: 10.50 min Scan# 732
Delta R.T. 0.03 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

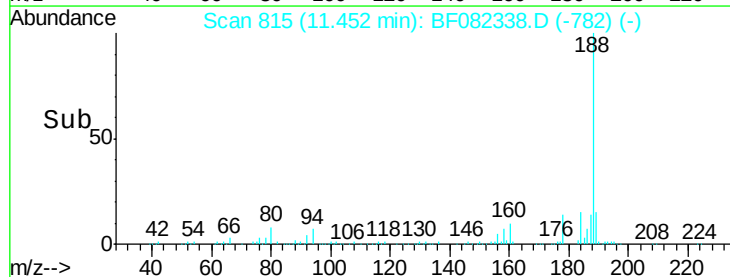
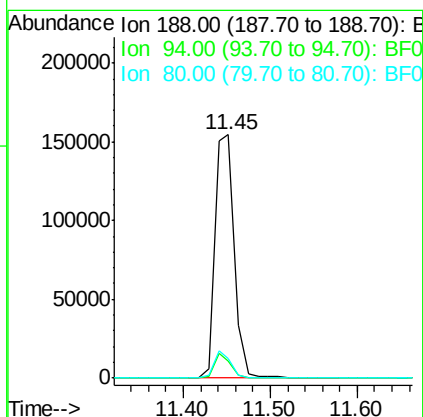
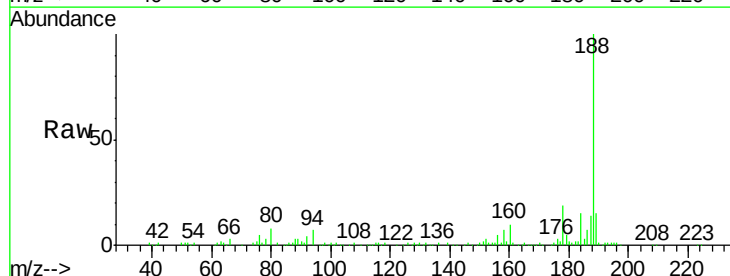
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

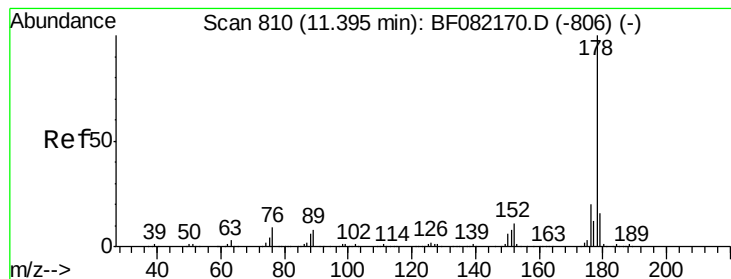
Tot Ion:138 Resp: 5322
Ion Ratio Lower Upper
138 100
92 0.0 26.8 66.8#
108 0.0 48.4 88.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 815
Delta R.T. 0.08 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion:188 Resp: 241981
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.6
80 8.2 6.4 9.6





#70

Phenanthrene

Concen: 268.26 ng

RT: 11.49 min Scan# 818

Delta R.T. 0.09 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

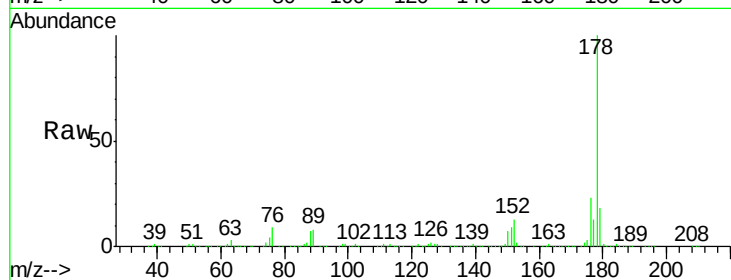
Tot Ion:178 Resp: 3181816

Ion Ratio Lower Upper

178 100

176 22.7 16.0 24.0

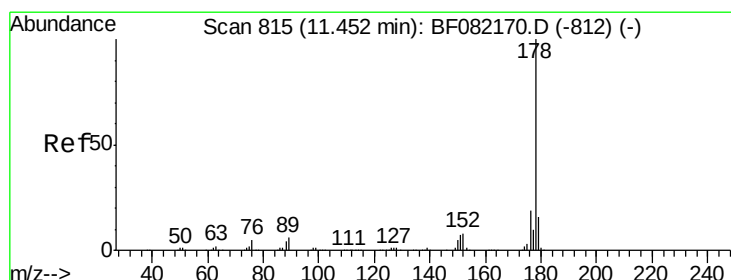
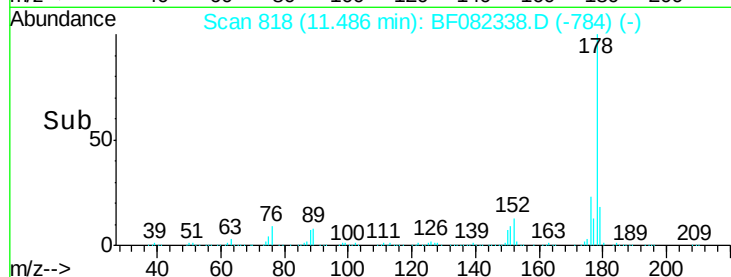
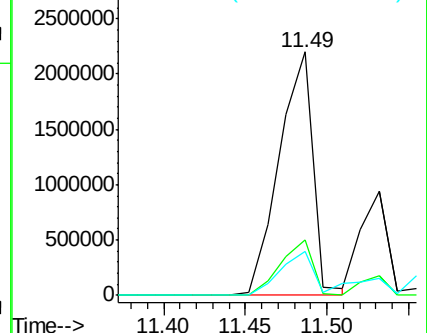
179 17.8 12.6 19.0



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: 94.27 ng

RT: 11.53 min Scan# 822

Delta R.T. 0.08 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

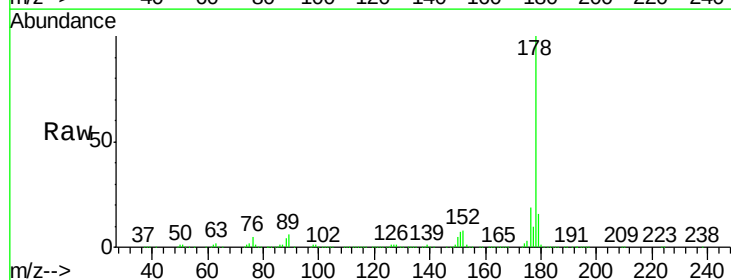
Tgt Ion:178 Resp: 1152195

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

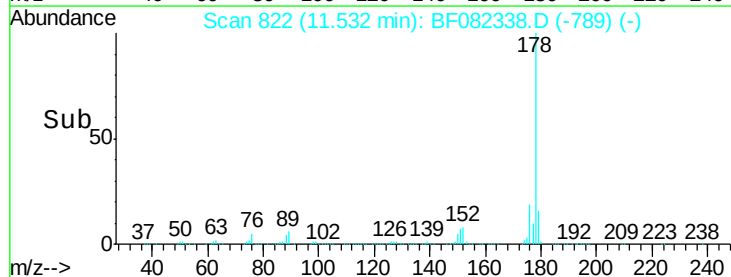
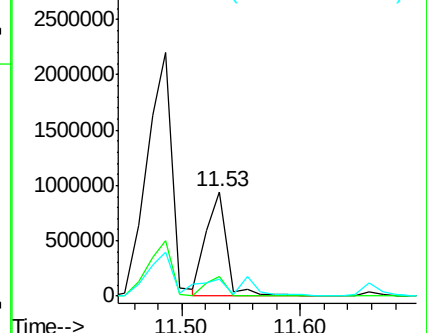
179 16.0 12.5 18.7

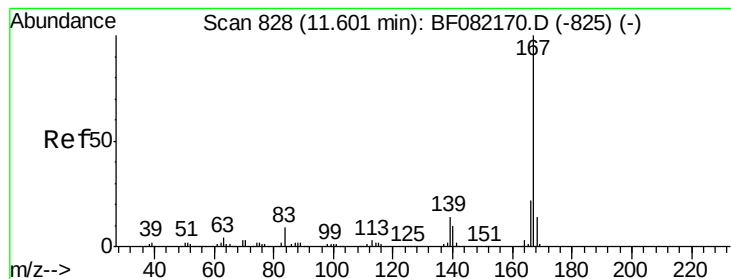


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 63.86 ng

RT: 11.68 min Scan# 835

Delta R.T. 0.07 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

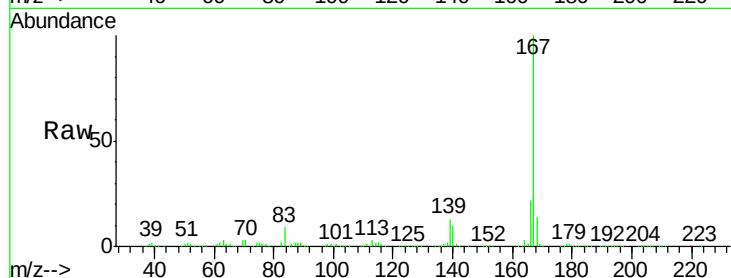
Tot Ion:167 Resp: 712020

Ion Ratio Lower Upper

167 100

166 22.1 17.3 25.9

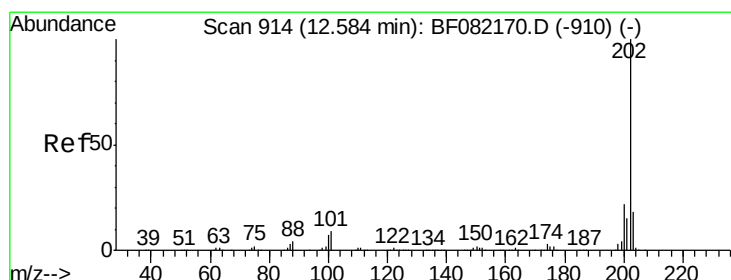
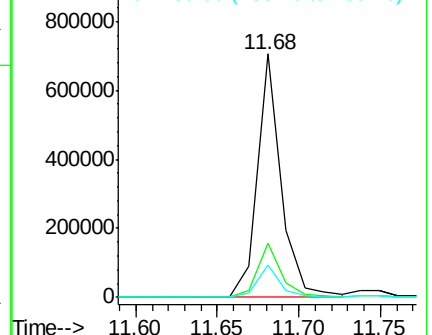
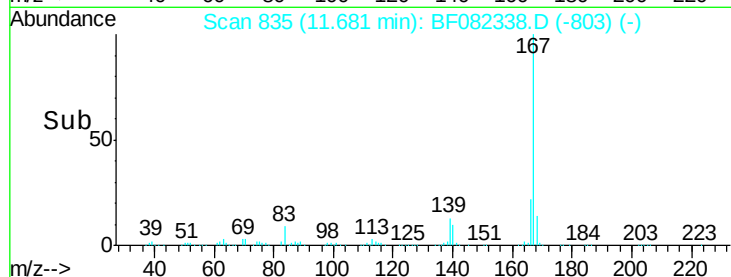
139 13.4 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 298.32 ng

RT: 12.69 min Scan# 923

Delta R.T. 0.09 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

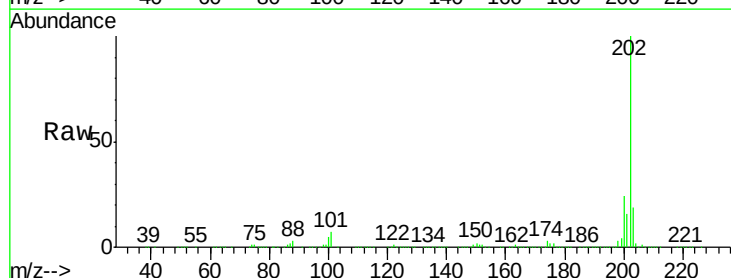
Tgt Ion:202 Resp: 3800314

Ion Ratio Lower Upper

202 100

101 6.9 0.0 29.3

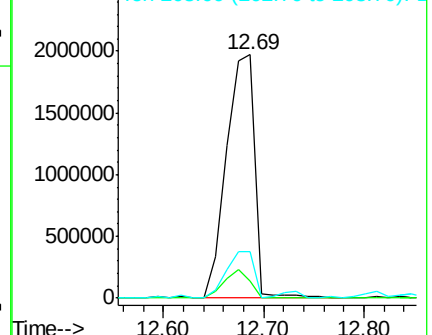
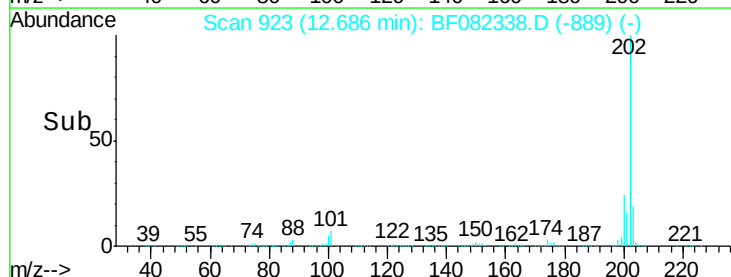
203 19.2 0.0 37.8

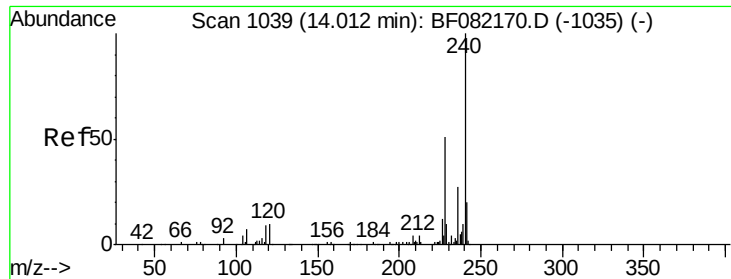


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.17 min Scan# 1053

Delta R.T. 0.10 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

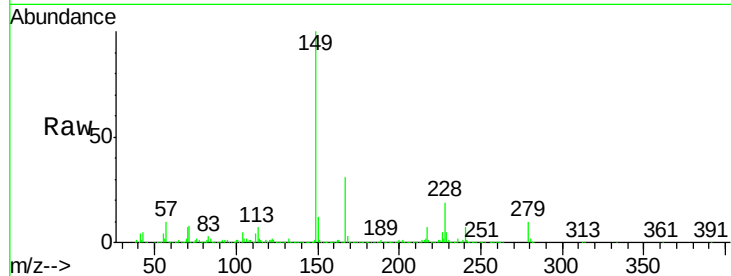
Tot Ion:240 Resp: 134970

Ion Ratio Lower Upper

240 100

120 11.7 8.1 12.1

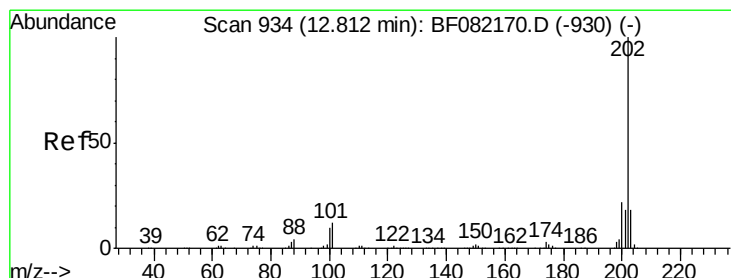
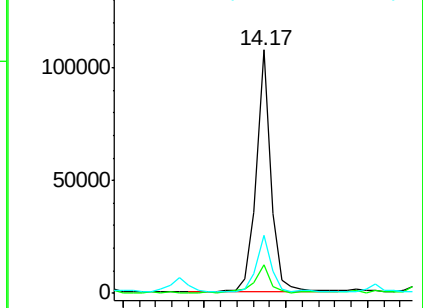
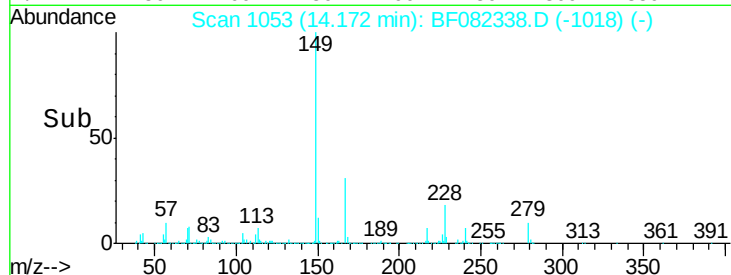
236 24.0 21.3 31.9



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: 364.04 ng

RT: 12.92 min Scan# 943

Delta R.T. 0.09 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

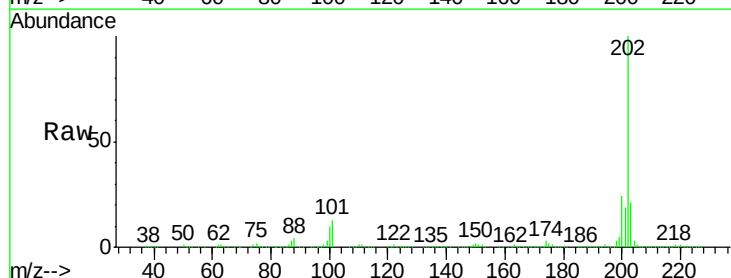
Tgt Ion:202 Resp: 2915937

Ion Ratio Lower Upper

202 100

200 24.1 17.9 26.9

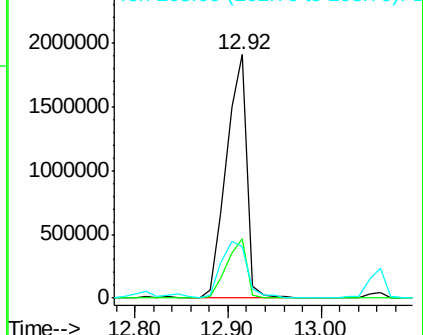
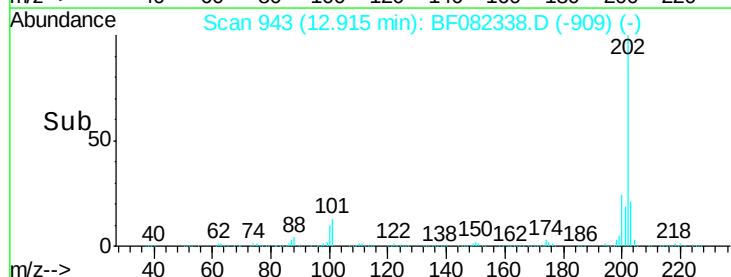
203 21.5 14.5 21.7

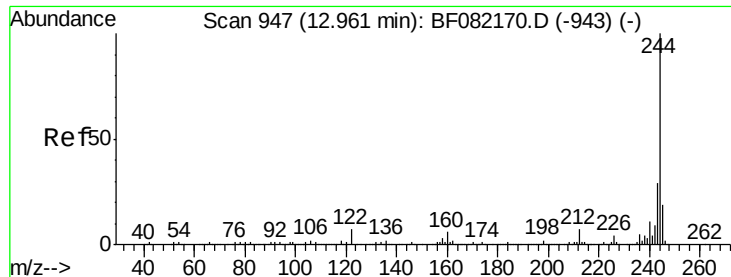


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.86 ng

RT: 13.03 min Scan# 953

Delta R.T. 0.07 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

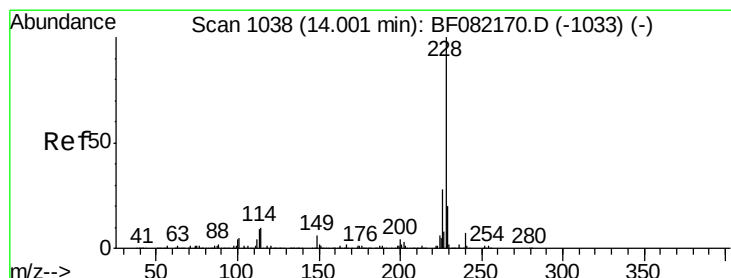
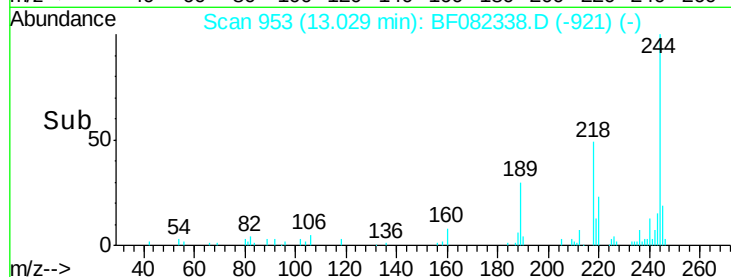
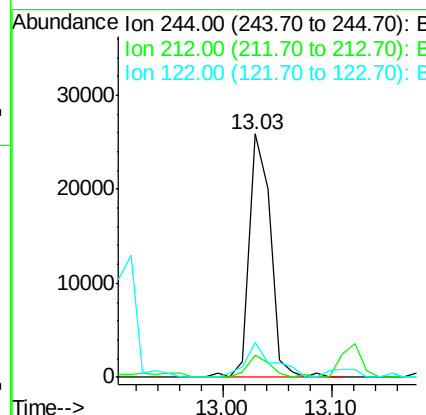
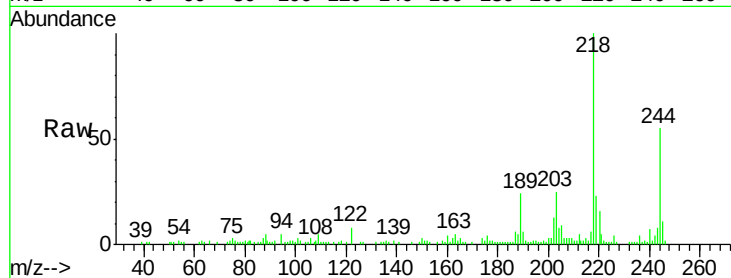
Tot Ion:244 Resp: 34929

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.6#

122 14.3 5.9 8.9#



#80

Benzo(a)anthracene

Concen: 172.32 ng

RT: 14.16 min Scan# 1052

Delta R.T. 0.10 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

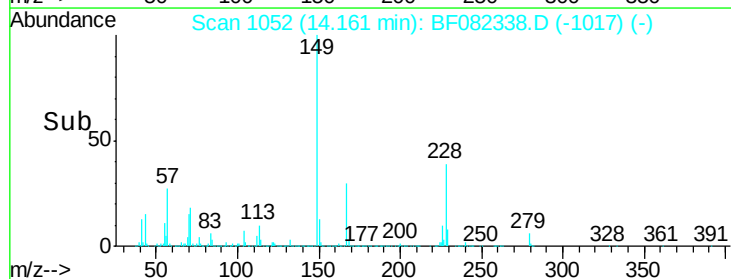
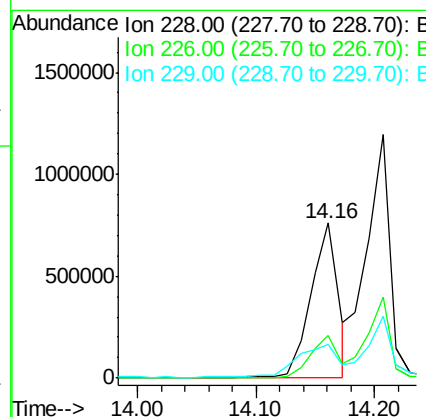
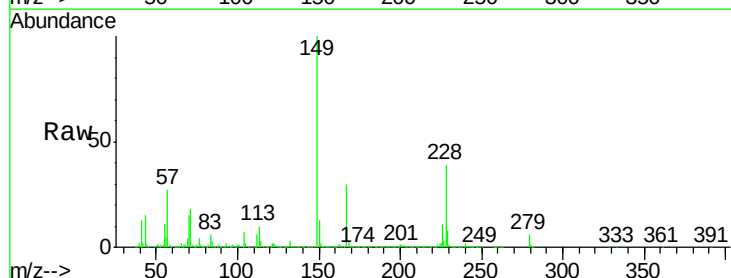
Tgt Ion:228 Resp: 1210130

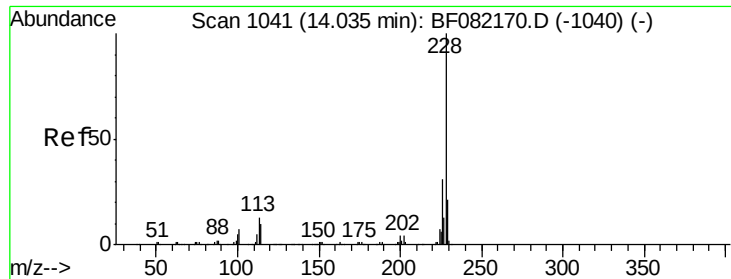
Ion Ratio Lower Upper

228 100

226 27.3 22.3 33.5

229 21.6 16.2 24.2



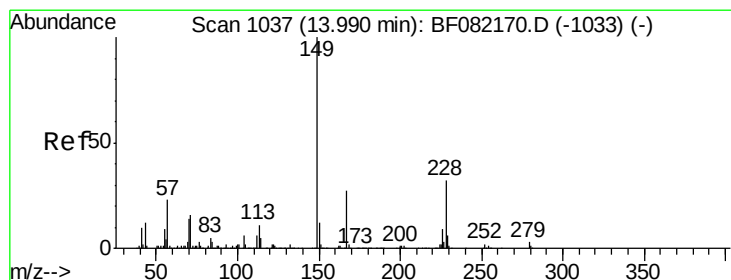
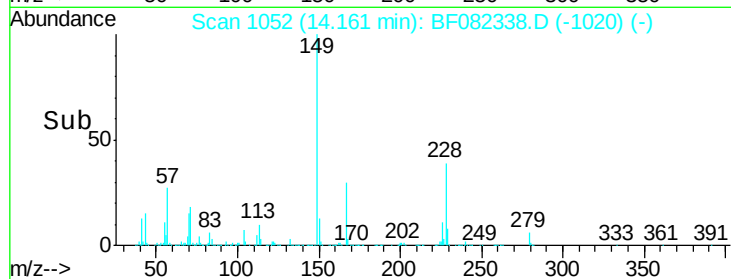
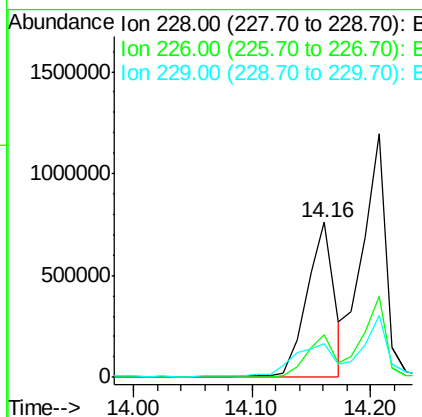
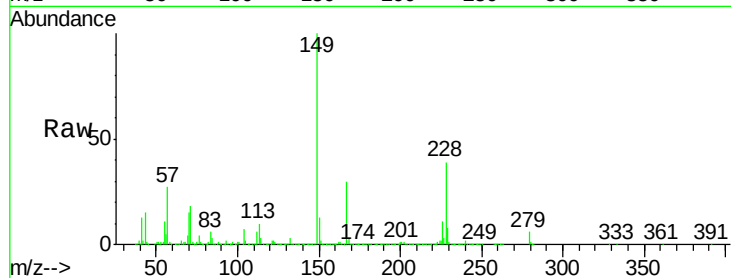


#82
 Chrysene
 Concen: 163.54 ng
 RT: 14.16 min Scan# 1052
 Delta R.T. 0.07 min
 Lab File: BF082338.D
 Acq: 16 Oct 2015 21:10

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATION

Tot Ion:228 Resp: 1210130

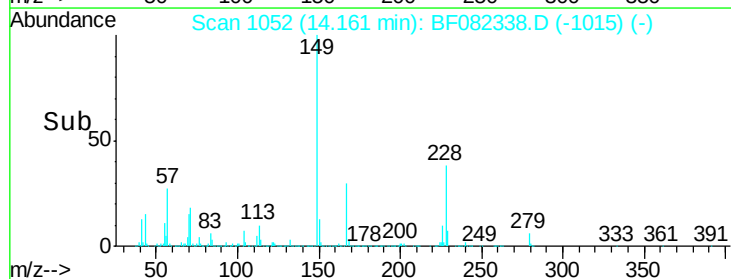
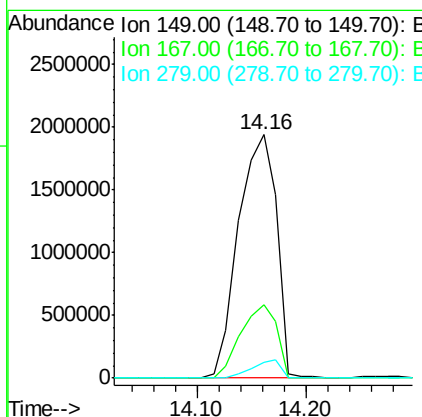
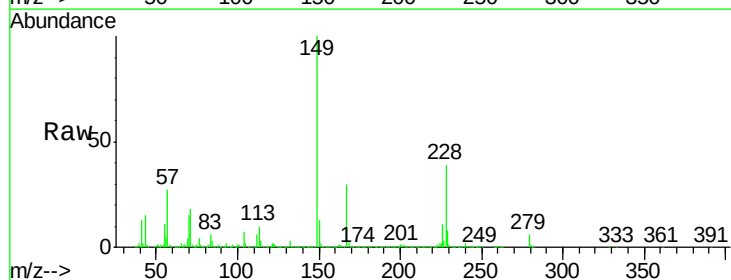
Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.4	36.6
229	21.6	16.3	24.5

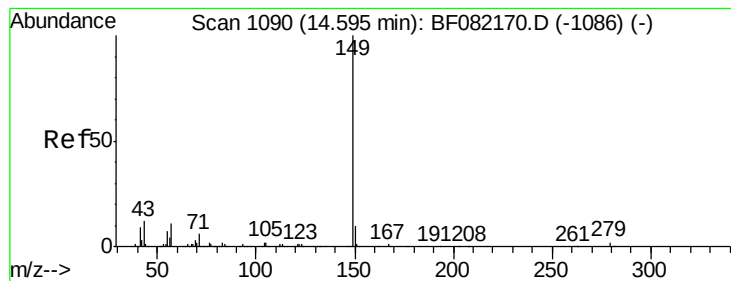


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 901.26 ng
 RT: 14.16 min Scan# 1052
 Delta R.T. 0.13 min
 Lab File: BF082338.D
 Acq: 16 Oct 2015 21:10

Tgt Ion:149 Resp: 4700183

Ion	Ratio	Lower	Upper
149	100		
167	30.0	21.3	31.9
279	6.3	2.6	4.0





#84

Di-n-octyl phthalate

Concen: 11.96 ng

RT: 14.85 min Scan# 1112

Delta R.T. 0.13 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

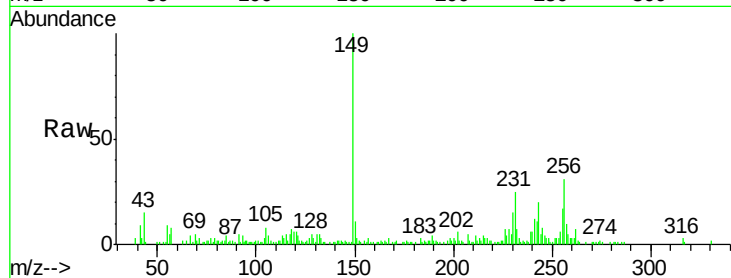
Tot Ion:149 Resp: 107073

Ion Ratio Lower Upper

149 100

167 3.3 1.3 1.9#

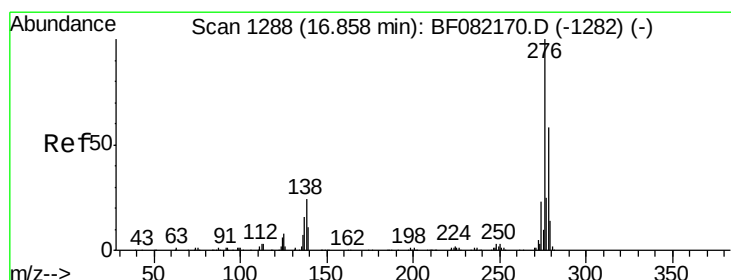
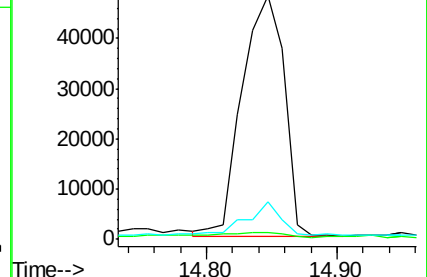
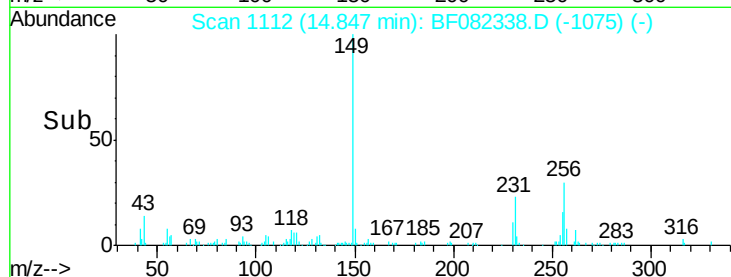
43 11.9 7.4 11.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 23.32 ng

RT: 17.09 min Scan# 1308

Delta R.T. 0.06 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

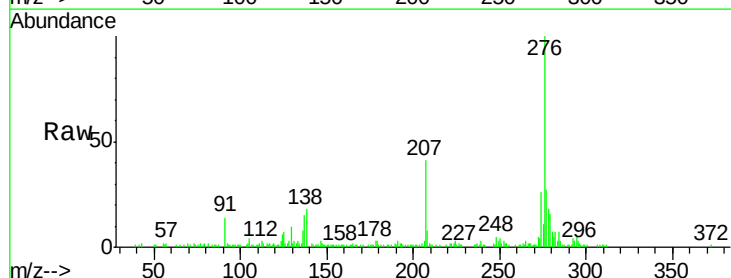
Tgt Ion:276 Resp: 137152

Ion Ratio Lower Upper

276 100

138 22.6 19.7 29.5

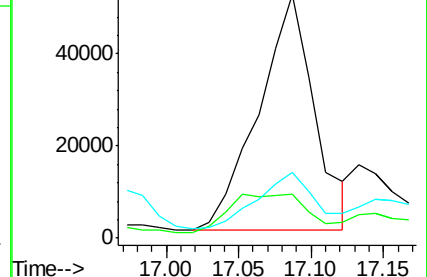
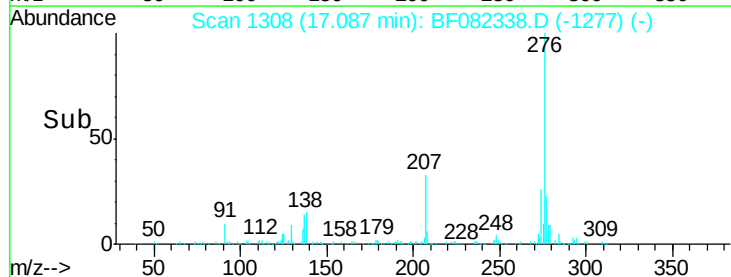
277 25.0 20.1 30.1

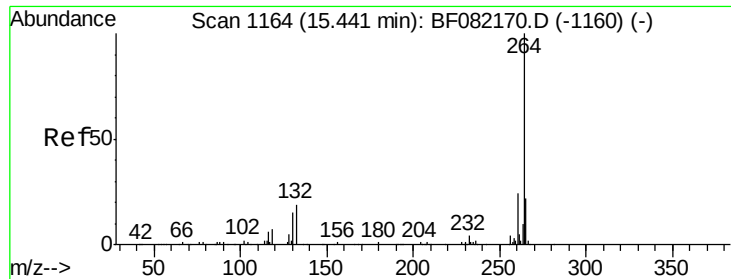


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

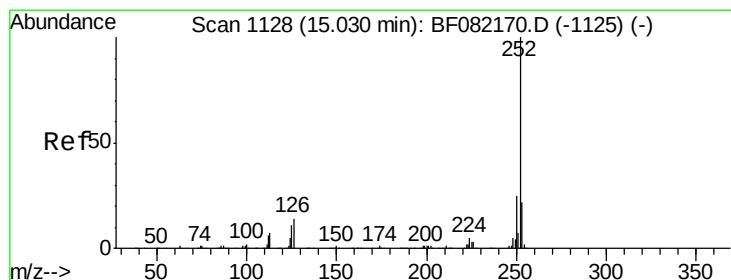
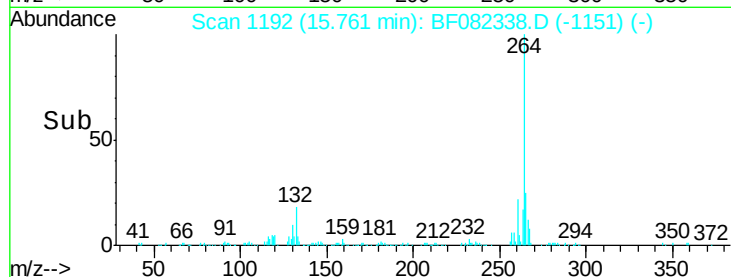
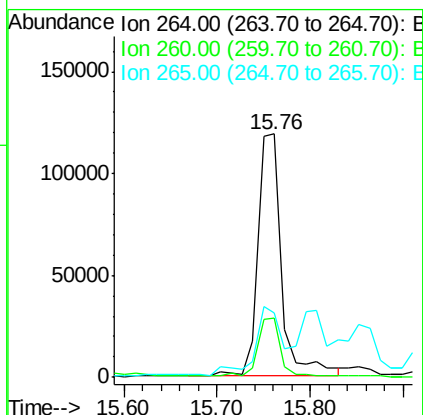
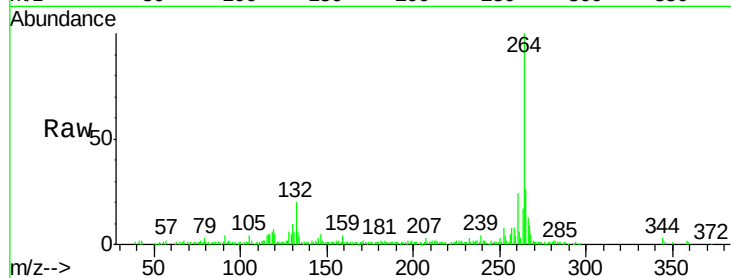




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.76 min Scan# 1192
Delta R.T. 0.17 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

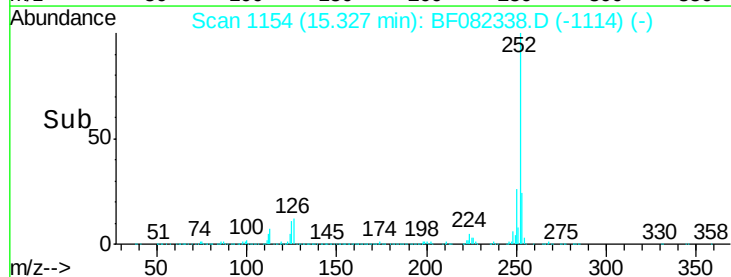
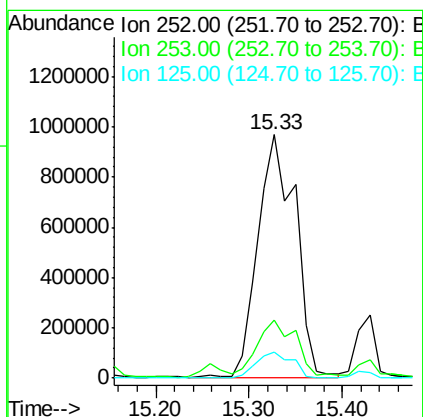
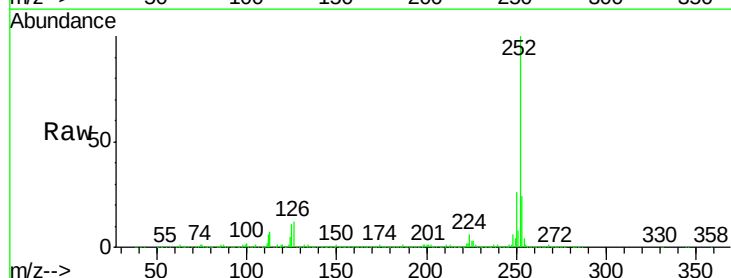
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

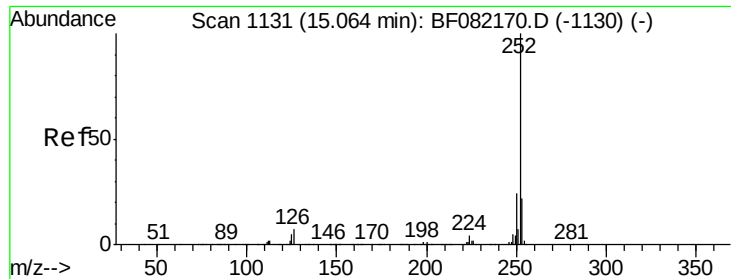
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	26.3	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 209.35 ng
RT: 15.33 min Scan# 1154
Delta R.T. 0.16 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	10.8	8.6	12.8

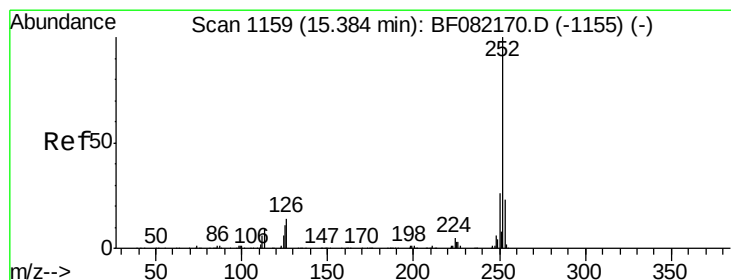
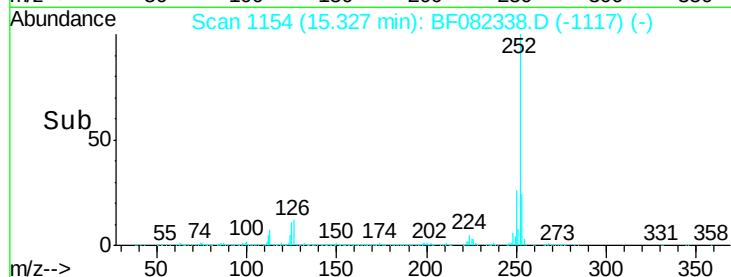
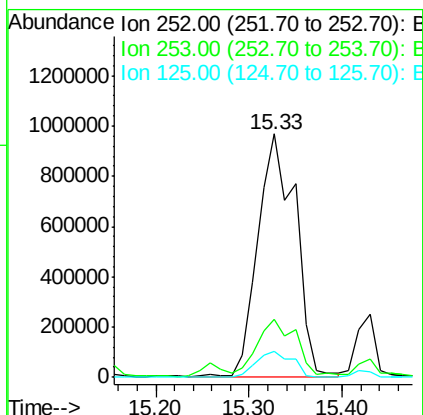
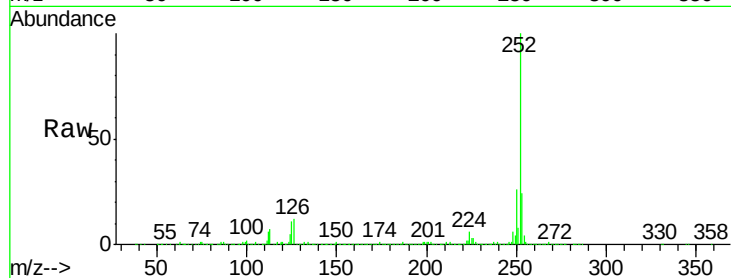




#88
Benzo(k)fluoranthene
Concen: 249.07 ng
RT: 15.33 min Scan# 1154
Delta R.T. 0.13 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

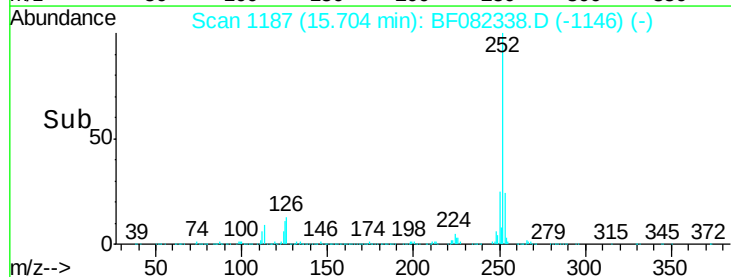
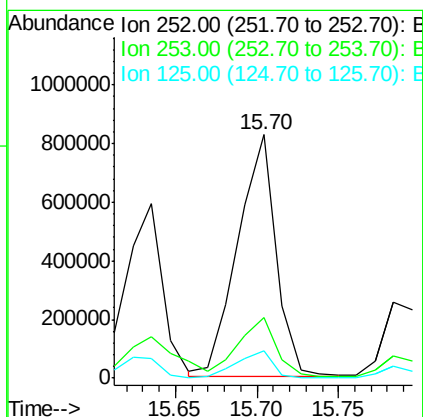
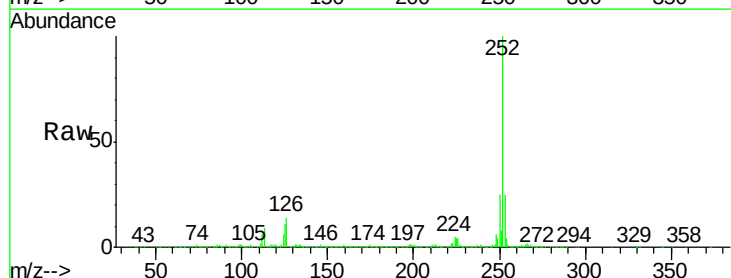
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATION

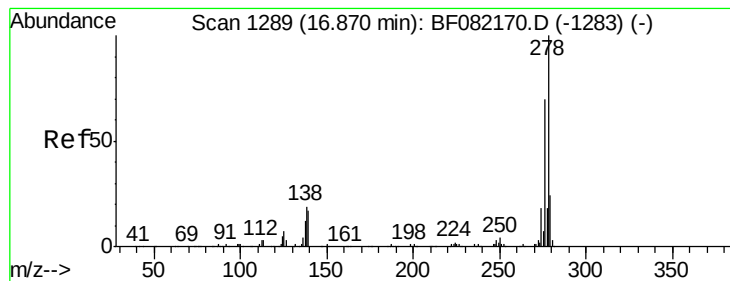
Tot Ion:252 Resp: 2685674
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.8 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 121.93 ng
RT: 15.70 min Scan# 1187
Delta R.T. 0.17 min
Lab File: BF082338.D
Acq: 16 Oct 2015 21:10

Tgt Ion:252 Resp: 1344288
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 11.0 8.9 13.3





#90

Dibenzo(a,h)anthracene

Concen: 14.81 ng

RT: 17.05 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATION

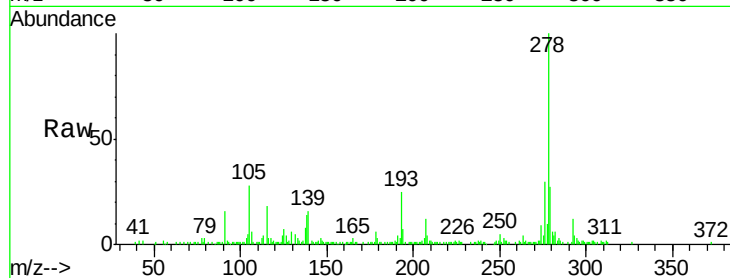
Tot Ion:278 Resp: 133827

Ion Ratio Lower Upper

278 100

139 16.2 13.3 19.9

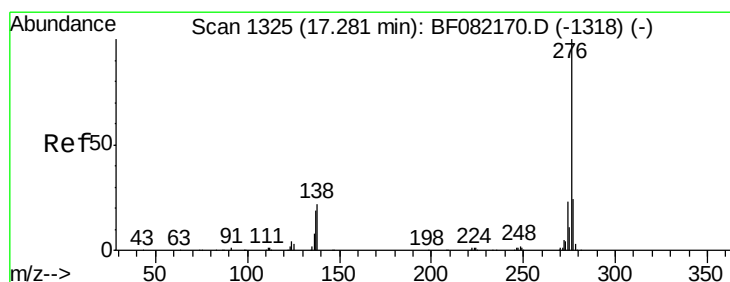
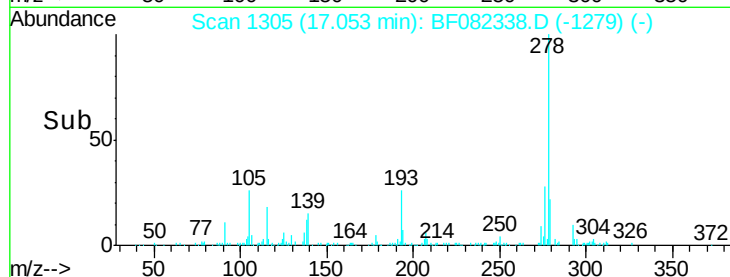
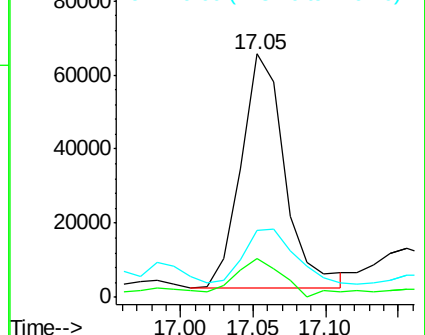
279 27.3 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 70.31 ng

RT: 17.72 min Scan# 1363

Delta R.T. 0.25 min

Lab File: BF082338.D

Acq: 16 Oct 2015 21:10

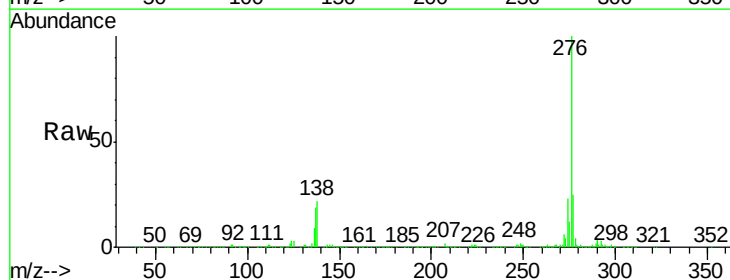
Tgt Ion:276 Resp: 617165

Ion Ratio Lower Upper

276 100

277 24.8 18.8 28.2

138 21.8 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

