

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082391.D
 Acq On : 20 Oct 2015 9:19
 Operator : UM/IZ
 Sample : G4046-03DL2 1000X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

Quant Time: Oct 20 11:30:14 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

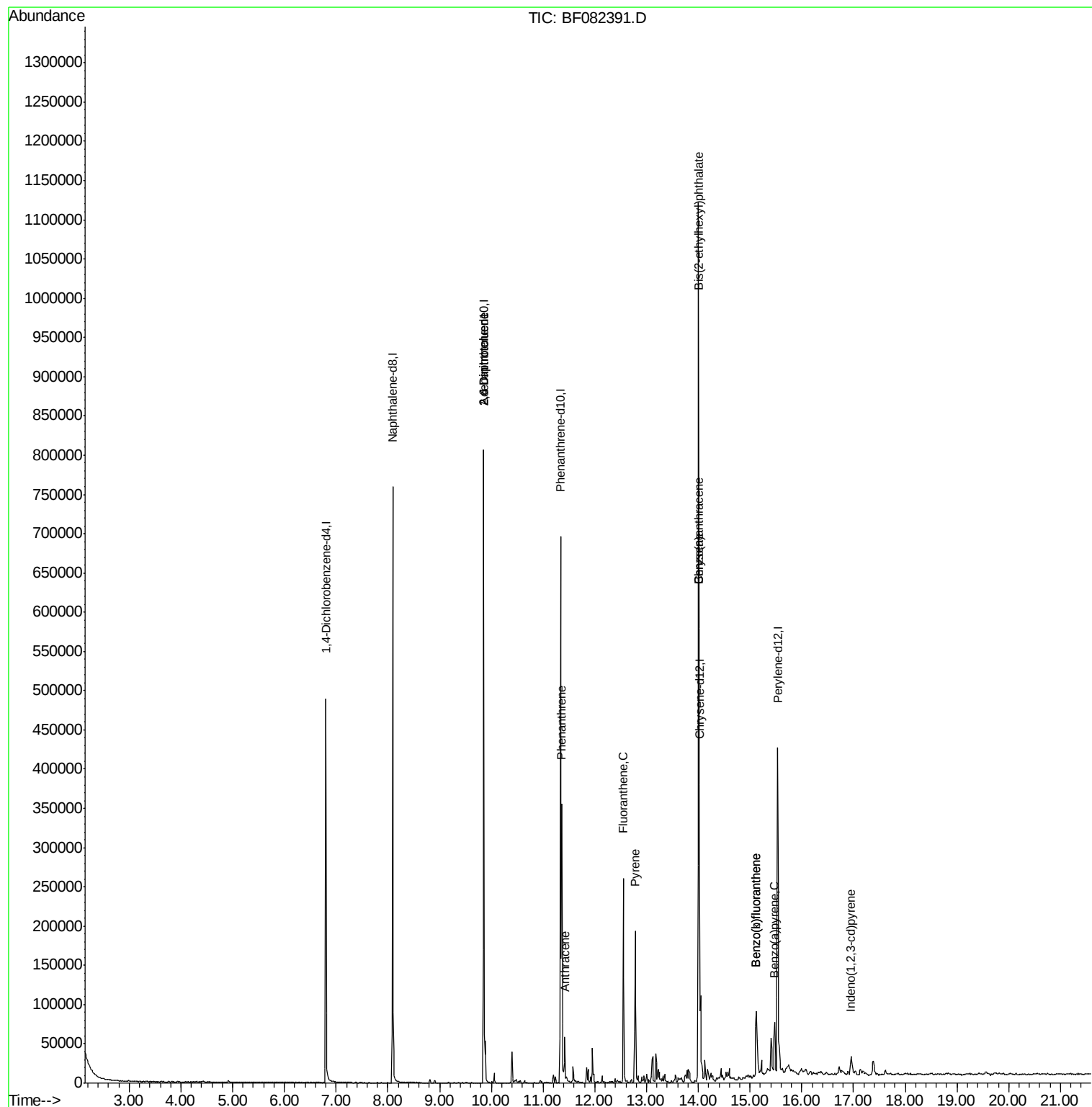
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	81714	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	341420	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	166948	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	283191	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	216902	20.00	ng	0.01
86) Perylene-d12	15.53	264	212585	20.00	ng	0.09
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	706	0.07	ng	-0.03
78) Terphenyl-d14	12.93	244	765	0.09	ng	-0.03
Target Compounds						
50) 2,6-Dinitrotoluene	9.85	165	20745	8.36	ng	# 30
56) 2,4-Dinitrotoluene	9.85	165	20745	6.69	ng	# 21
70) Phenanthrene	11.36	178	133301	9.60	ng	98
71) Anthracene	11.42	178	36116	2.52	ng	96
74) Fluoranthene	12.55	202	137214	9.20	ng	97
77) Pyrene	12.78	202	106217	8.25	ng	97
80) Benzo(a)anthracene	14.01	228	53688	4.76	ng	98
82) Chrysene	14.01	228	53688	4.51	ng	96
83) Bis(2-ethylhexyl)phthalate	14.00	149	310716	37.07	ng	99
85) Indeno(1,2,3-cd)pyrene	16.95	276	20531	2.17	ng	94
87) Benzo(b)fluoranthene	15.12	252	76869	5.94	ng	100
88) Benzo(k)fluoranthene	15.12	252	76869	7.07	ng	# 98
89) Benzo(a)pyrene	15.48	252	39476	3.55	ng	98

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

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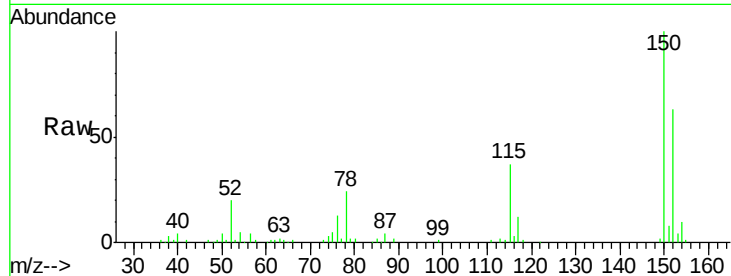


#1

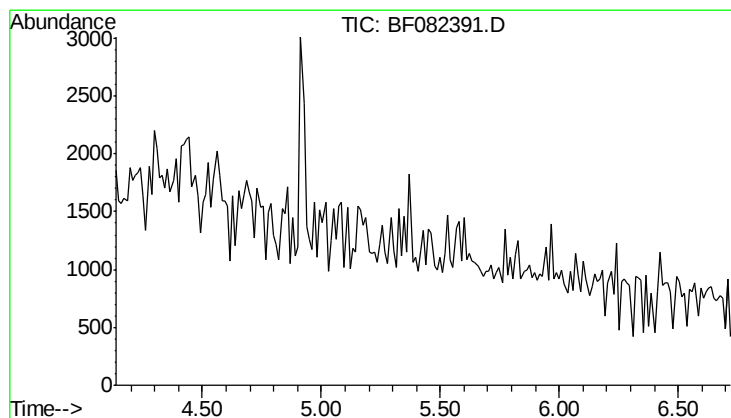
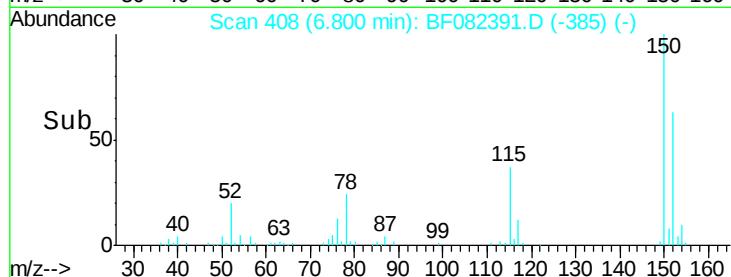
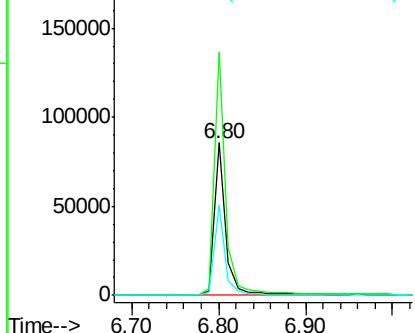
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082391.D
Acq: 20 Oct 2015 9:19

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONL2

Tot Ion:152 Resp: 81714
Ion Ratio Lower Upper
152 100
150 159.5 129.0 193.4
115 59.0 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

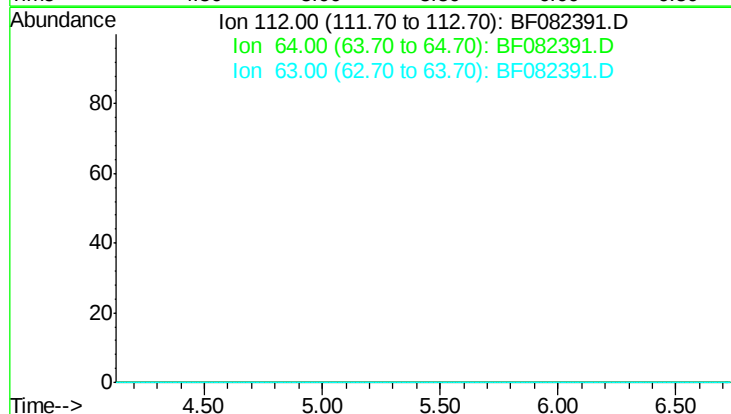


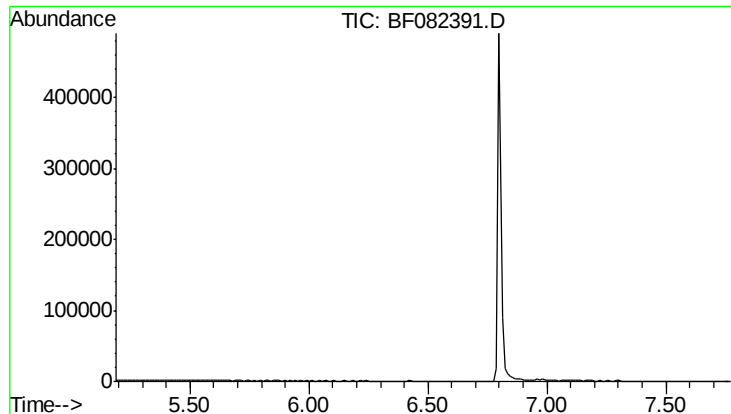
#5

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

Lab File: BF082391.D
Acq: 20 Oct 2015 9:19

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

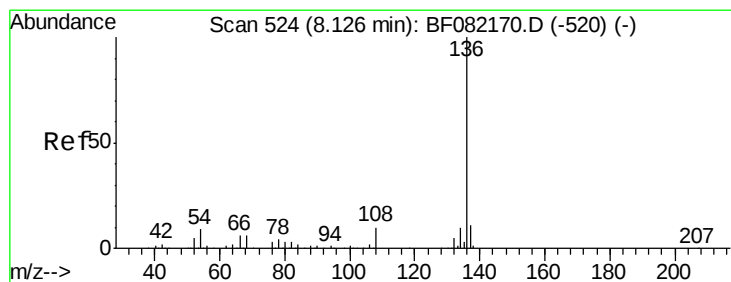
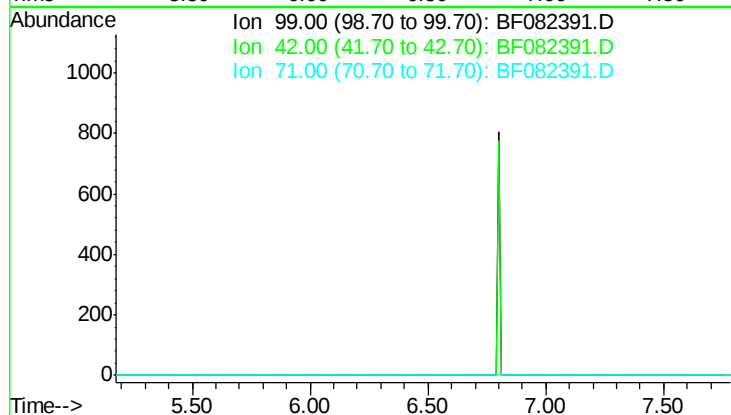




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.48 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

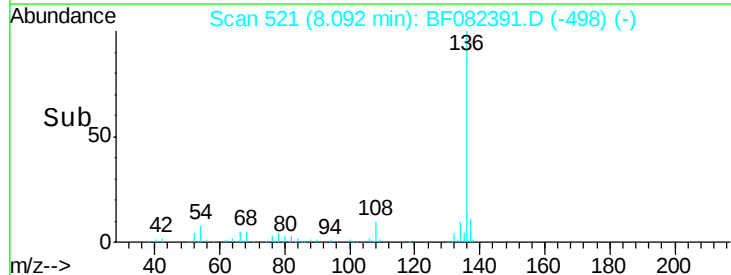
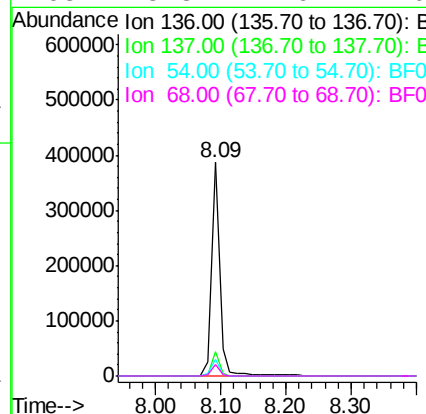
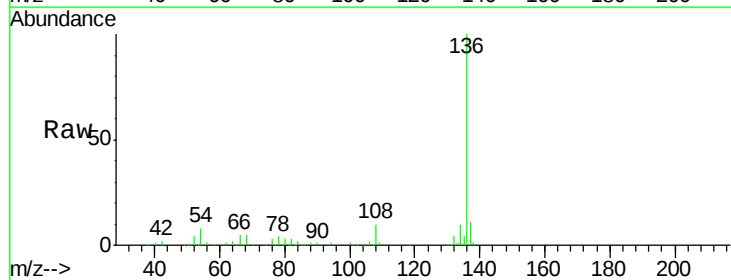
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

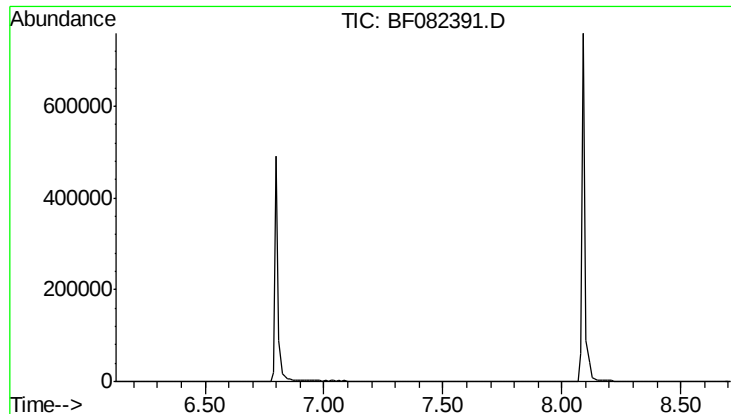
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 16.5
 71 32.0



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.09 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Tgt Ion: 136 Resp: 341420
 Ion Ratio Lower Upper
 136 100
 137 11.2 9.0 13.6
 54 8.0 7.5 11.3
 68 5.3 4.6 7.0

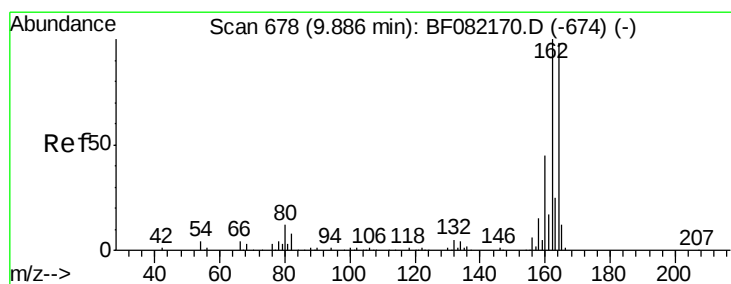
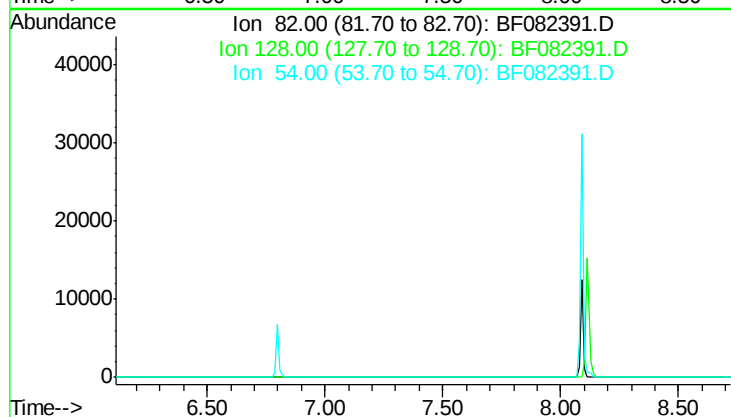




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

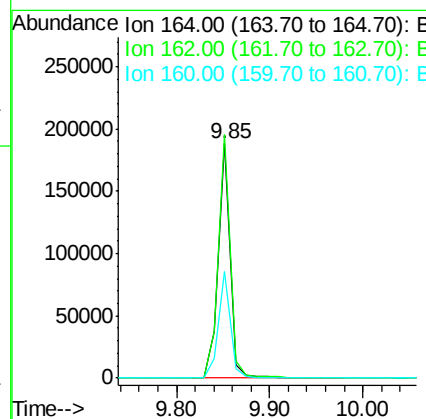
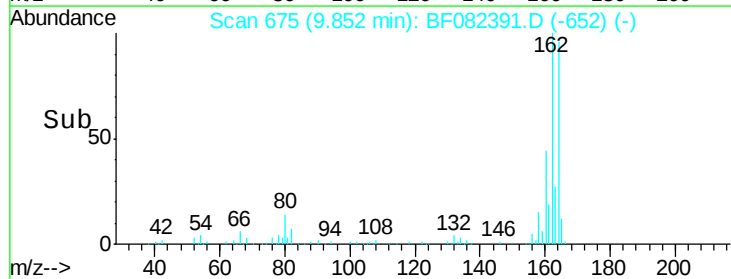
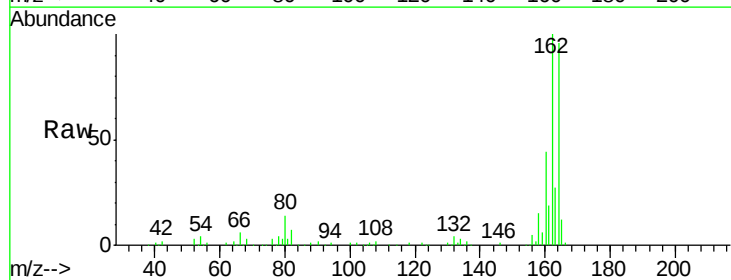
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

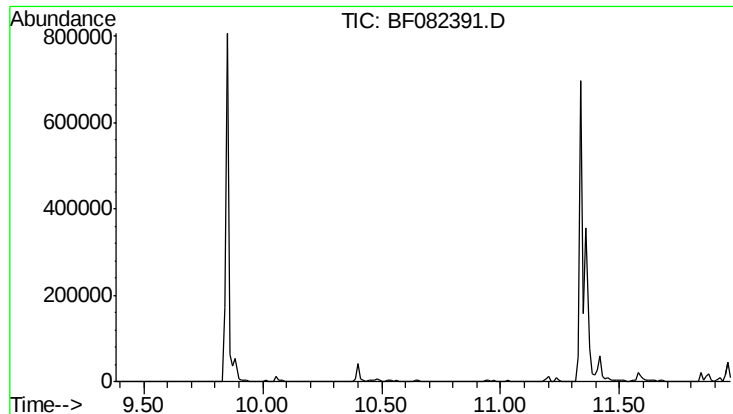
Tot Ion	82
Sig	Exp Ratio
82	100
128	48.4
54	50.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Tgt Ion	164	Resp	166948
Ion Ratio	Lower	Upper	
164	100		
162	103.9	81.6	122.4
160	45.5	36.4	54.6

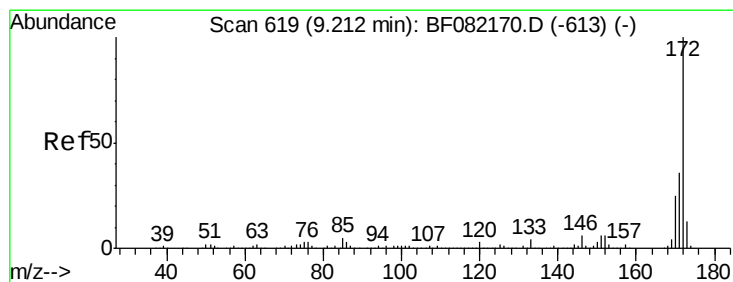
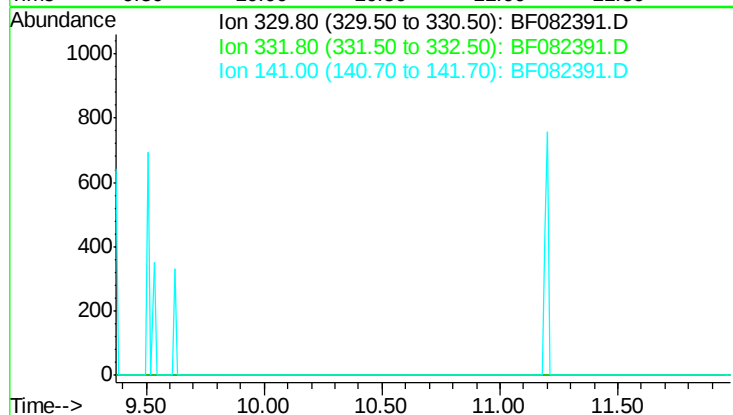




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.67 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

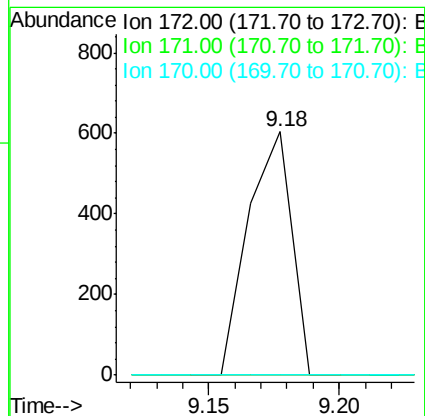
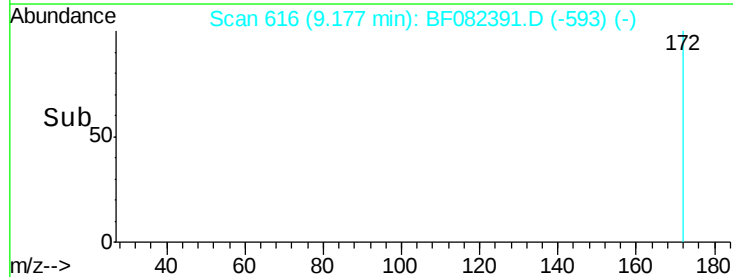
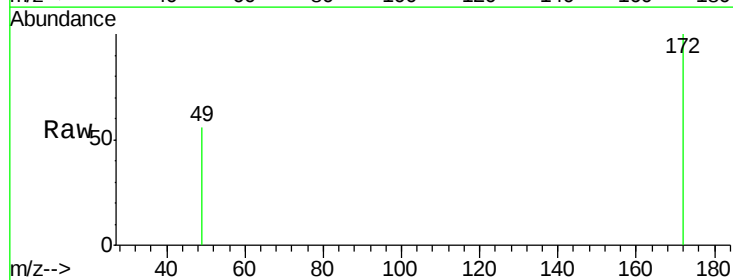
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

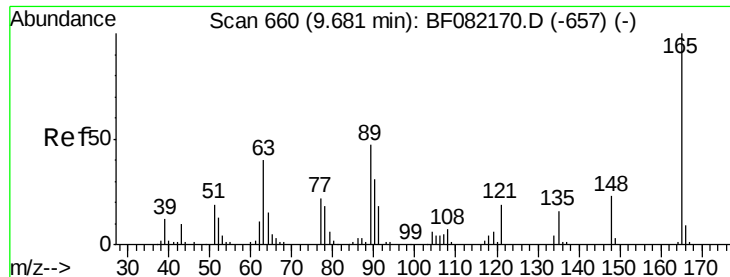
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.4
 141 37.3



#44
 2-Fluorobiphenyl
 Concen: 0.07 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Tgt Ion: 172 Resp: 706
 Ion Ratio Lower Upper
 172 100
 171 0.0 28.6 42.8#
 170 0.0 19.7 29.5#

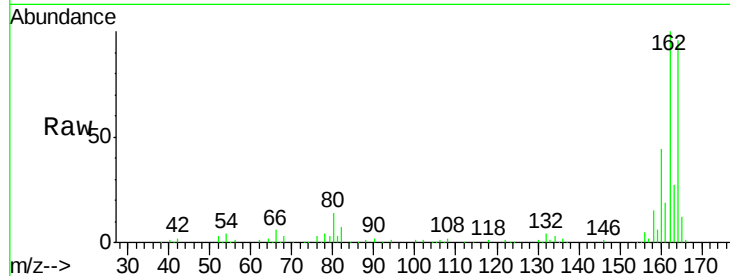




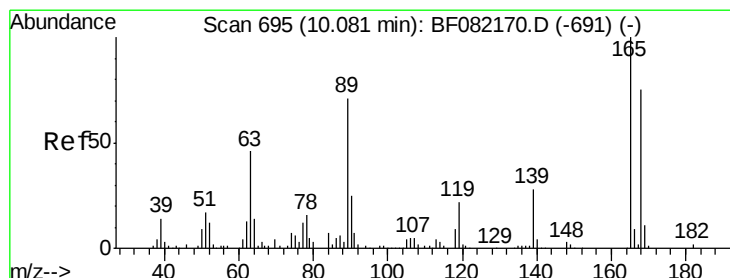
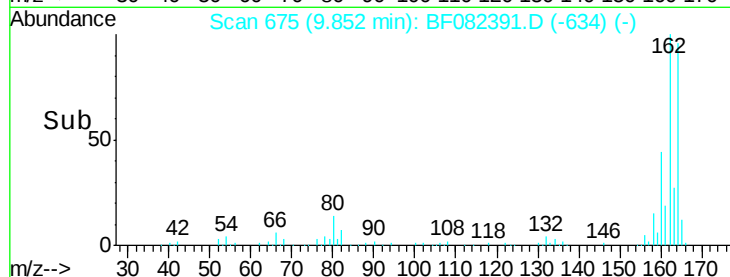
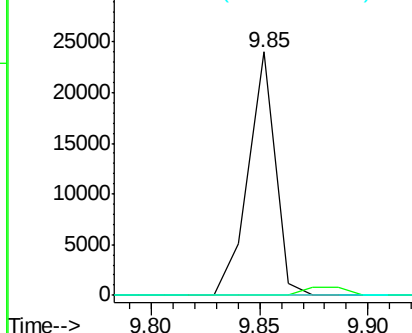
#50
2,6-Dinitrotoluene
Concen: 8.36 ng
RT: 9.85 min Scan# 675
Delta R.T. 0.17 min
Lab File: BF082391.D
Acq: 20 Oct 2015 9:19

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL2

Tot Ion:165 Resp: 20745
Ion Ratio Lower Upper
165 100
63 0.0 36.7 55.1#
89 0.0 37.8 56.6#

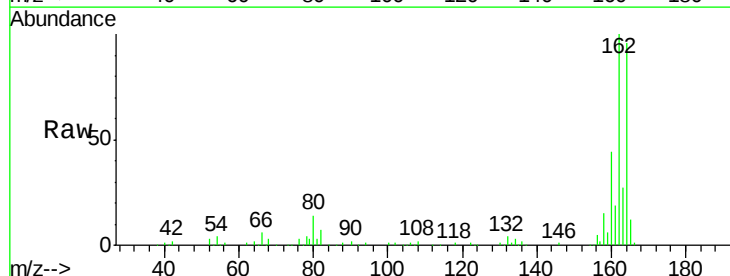


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

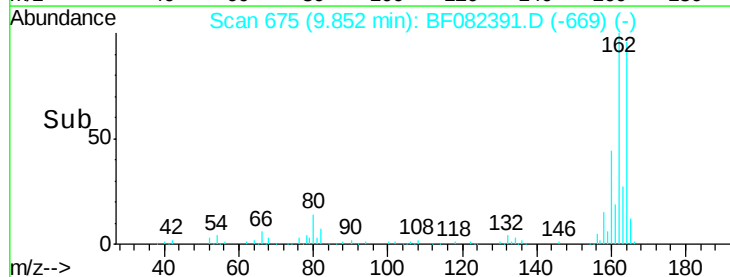
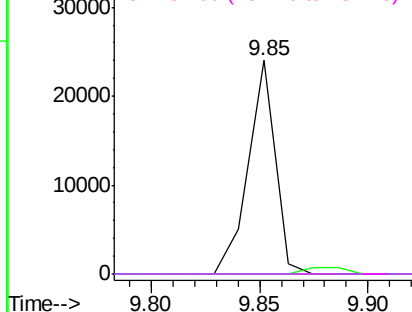


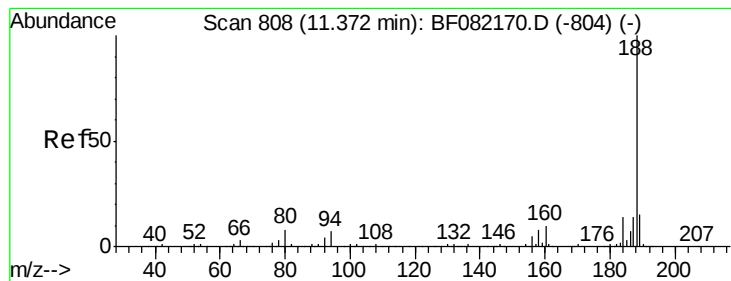
#56
2,4-Dinitrotoluene
Concen: 6.69 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.23 min
Lab File: BF082391.D
Acq: 20 Oct 2015 9:19

Tgt Ion:165 Resp: 20745
Ion Ratio Lower Upper
165 100
63 0.0 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082391.D

Acq: 20 Oct 2015 9:19

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL2

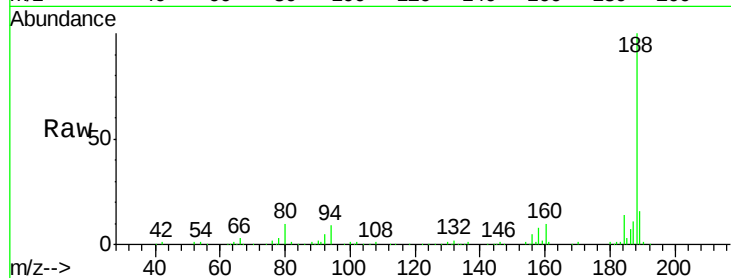
Tot Ion:188 Resp: 283191

Ion Ratio Lower Upper

188 100

94 9.0 5.8 8.6#

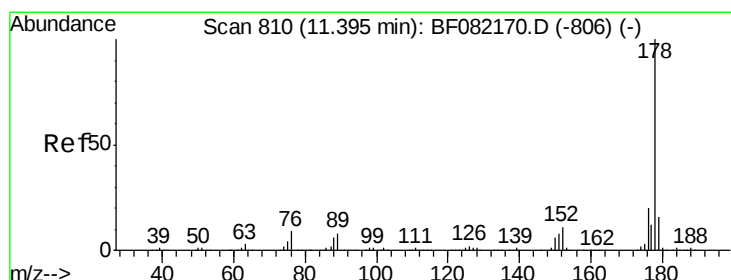
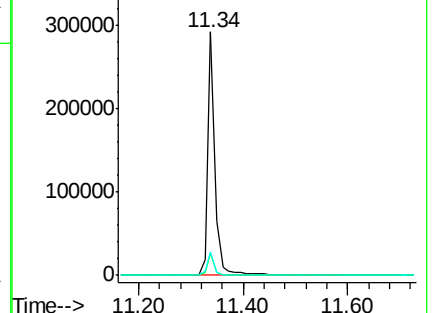
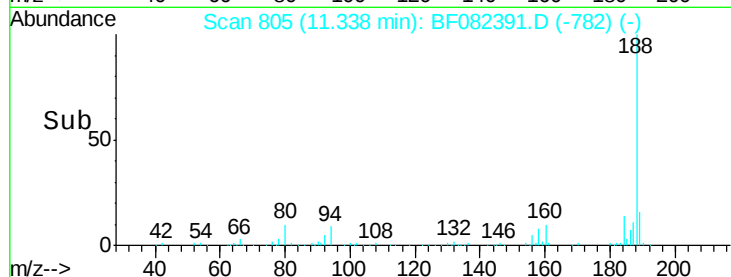
80 9.7 6.4 9.6#



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: 9.60 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.03 min

Lab File: BF082391.D

Acq: 20 Oct 2015 9:19

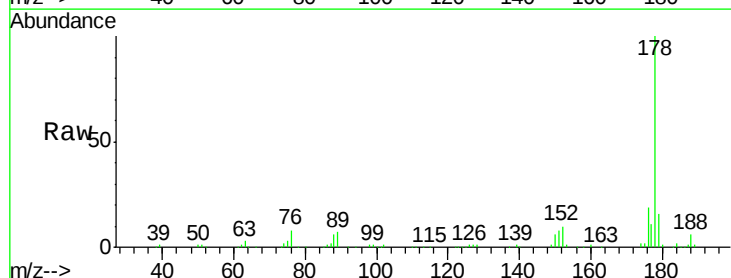
Tgt Ion:178 Resp: 133301

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

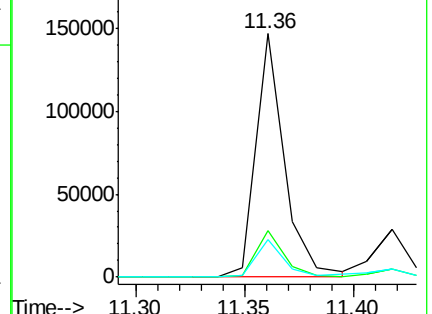
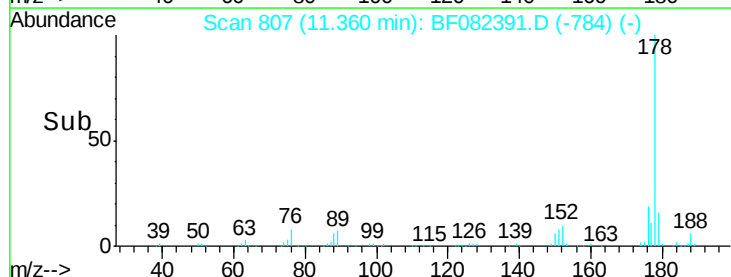
179 15.6 12.6 19.0

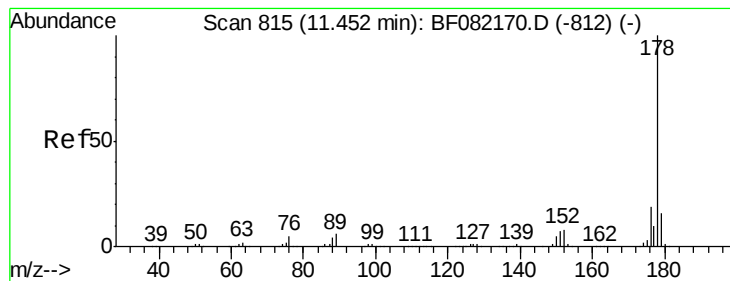


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.52 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF082391.D

Acq: 20 Oct 2015 9:19

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL2

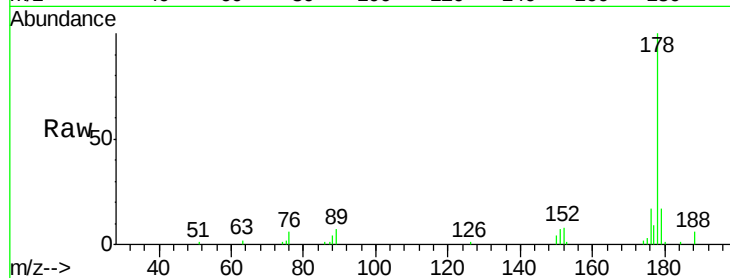
Tot Ion:178 Resp: 36116

Ion Ratio Lower Upper

178 100

176 17.1 15.4 23.0

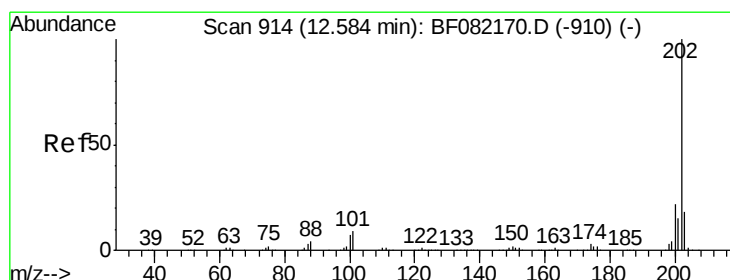
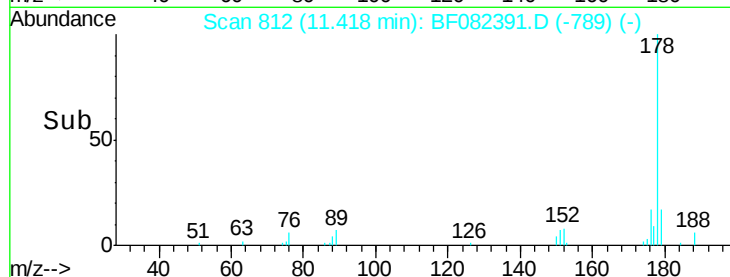
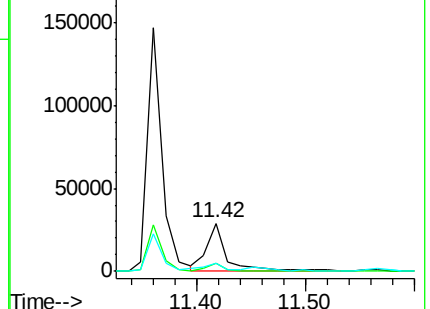
179 17.2 12.5 18.7



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



#74

Fluoranthene

Concen: 9.20 ng

RT: 12.55 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF082391.D

Acq: 20 Oct 2015 9:19

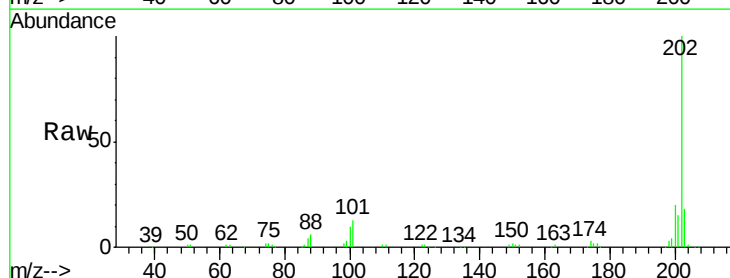
Tgt Ion:202 Resp: 137214

Ion Ratio Lower Upper

202 100

101 12.6 0.0 29.3

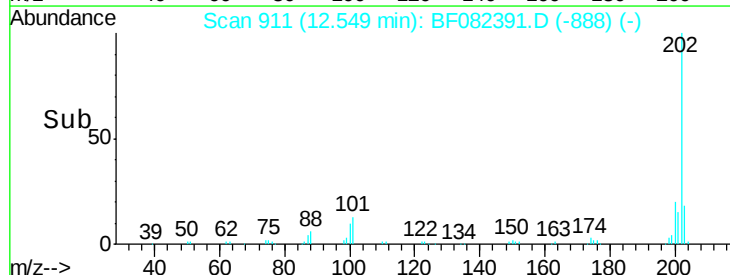
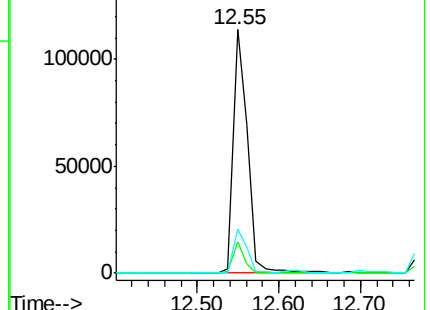
203 17.8 0.0 37.8

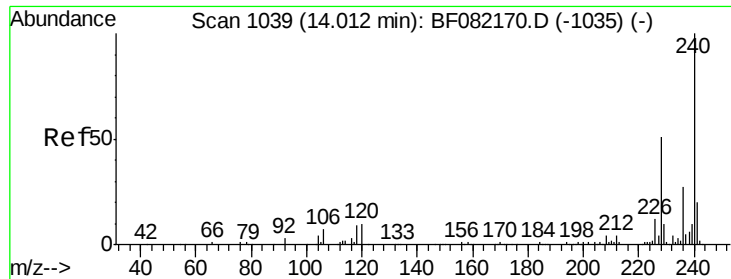


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

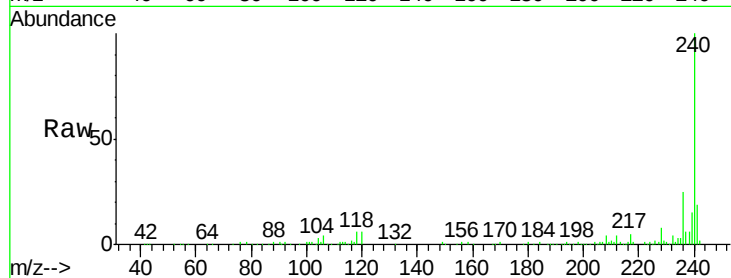




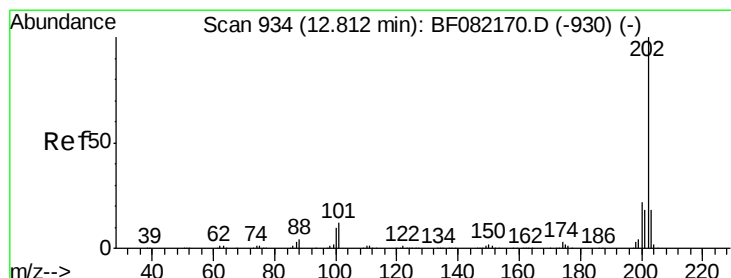
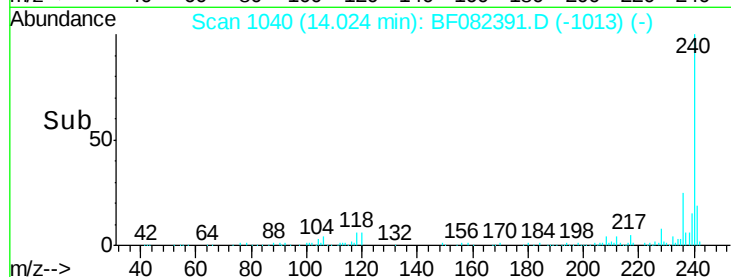
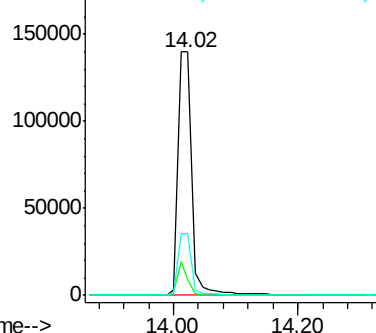
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

Tot Ion:240 Resp: 216902
 Ion Ratio Lower Upper
 240 100
 120 6.5 8.1 12.1#
 236 25.4 21.3 31.9

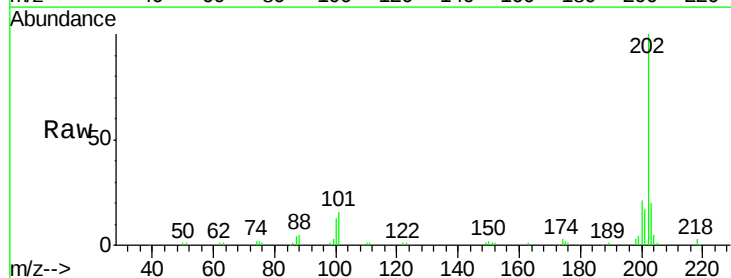


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

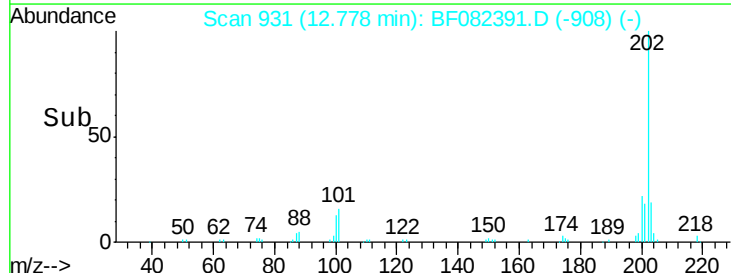
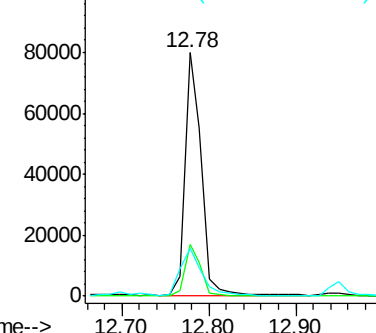


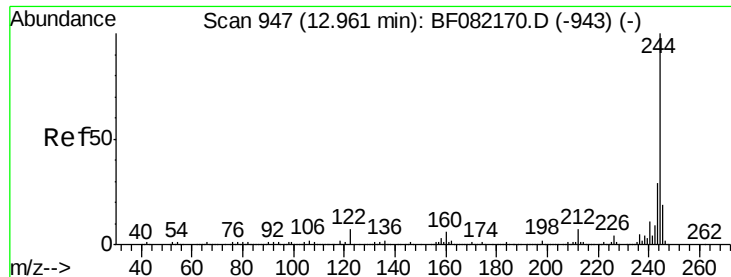
#77
 Pyrene
 Concen: 8.25 ng
 RT: 12.78 min Scan# 931
 Delta R.T. -0.03 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Tgt Ion:202 Resp: 106217
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.9 26.9
 203 19.8 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

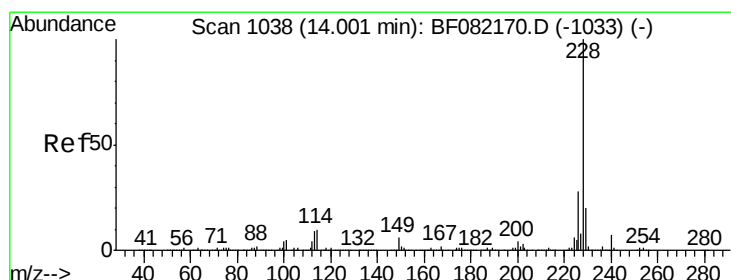
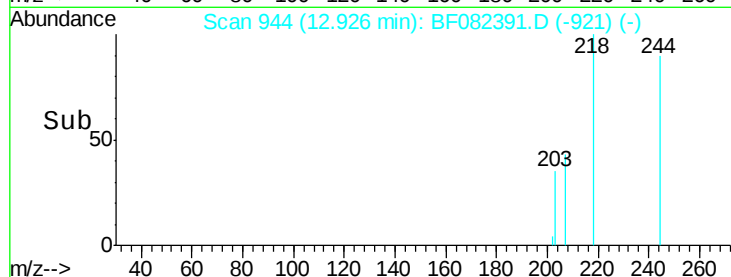
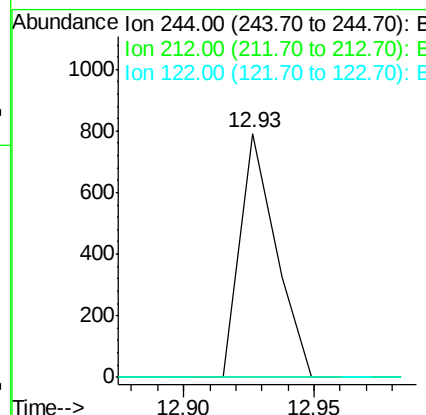
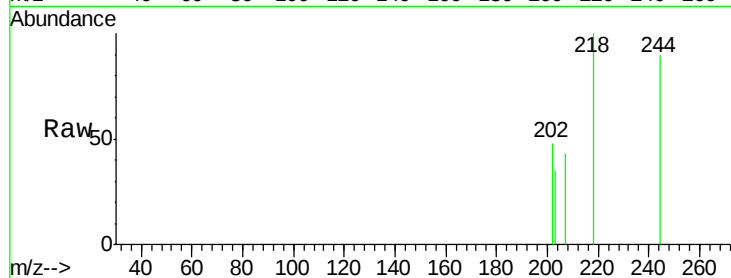




#78
 Terphenyl-d14
 Concen: 0.09 ng
 RT: 12.93 min Scan# 944
 Delta R.T. -0.03 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

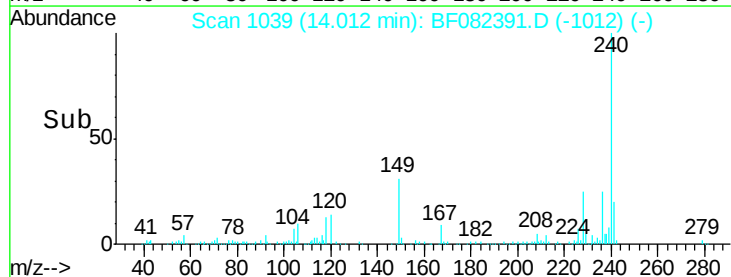
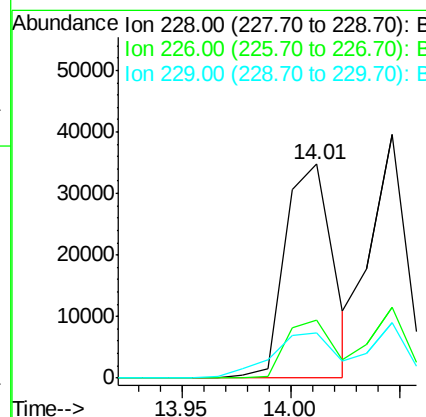
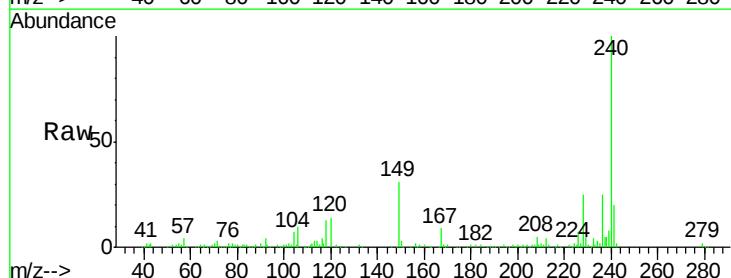
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

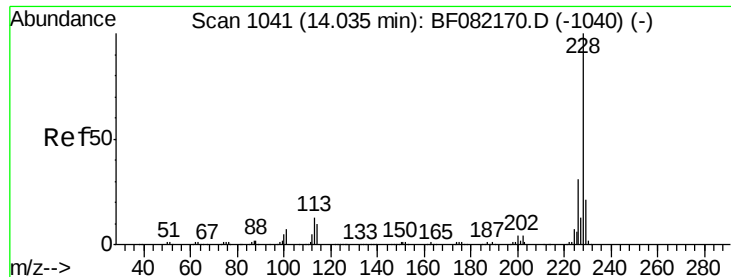
Tot Ion:244 Resp: 765
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.8 8.6#
 122 0.0 5.9 8.9#



#80
 Benzo(a)anthracene
 Concen: 4.76 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Tgt Ion:228 Resp: 53688
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.3 33.5
 229 21.3 16.2 24.2

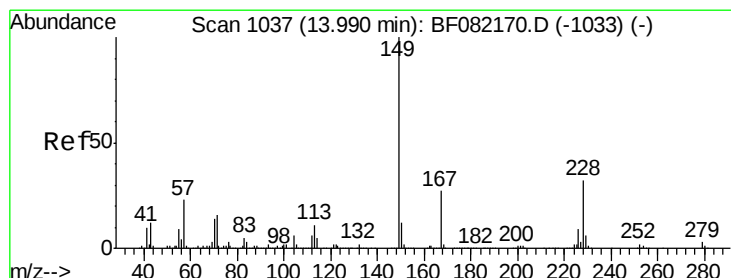
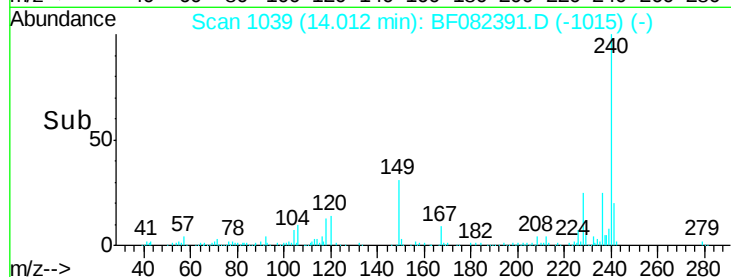
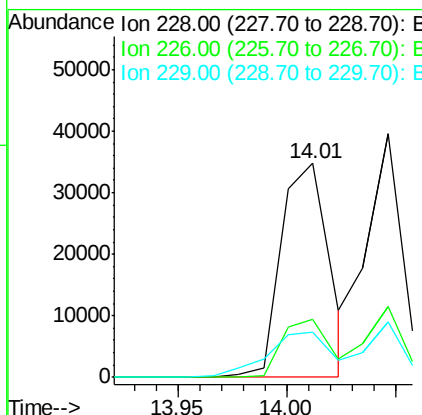
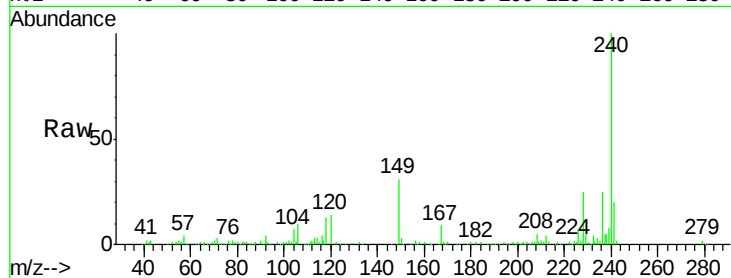




#82
 Chrysene
 Concen: 4.51 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.02 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

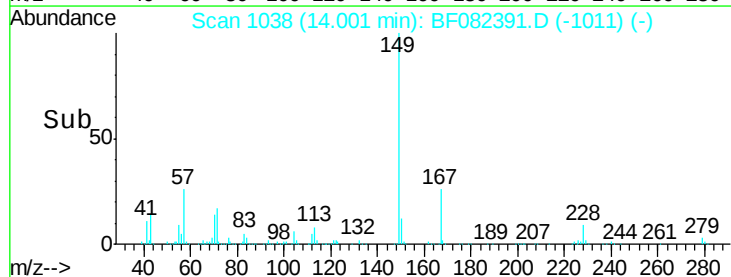
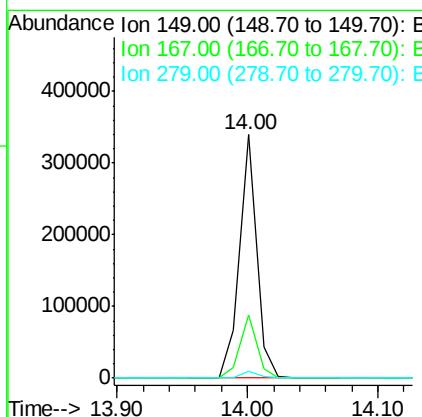
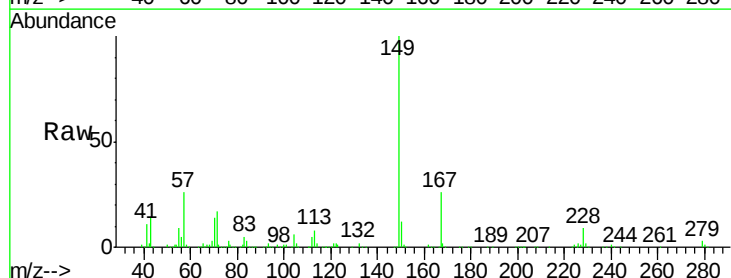
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

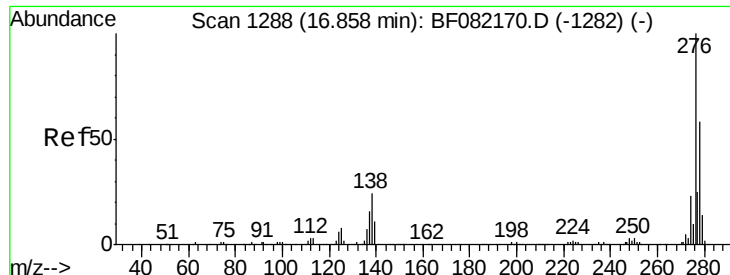
Tot Ion: 228 Resp: 53688
 Ion Ratio Lower Upper
 228 100
 226 27.2 24.4 36.6
 229 21.3 16.3 24.5



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.07 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Tgt Ion: 149 Resp: 310716
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.3 31.9
 279 2.9 2.6 4.0

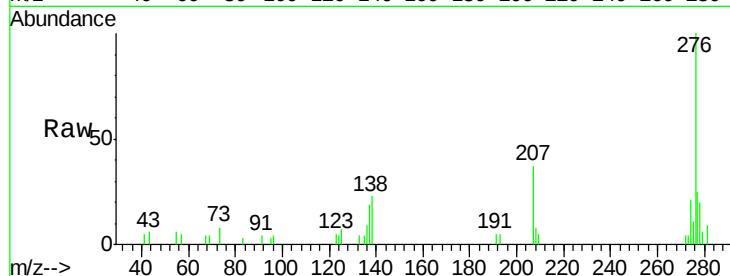




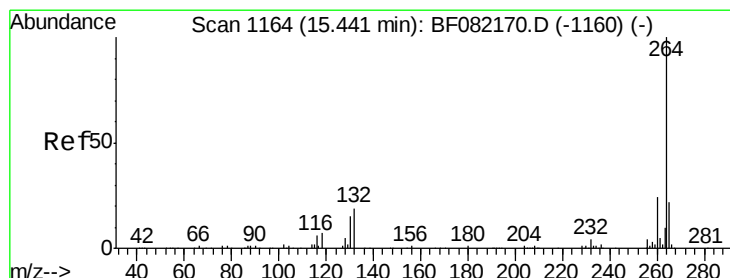
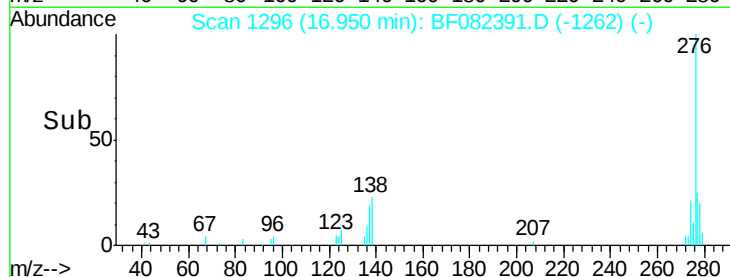
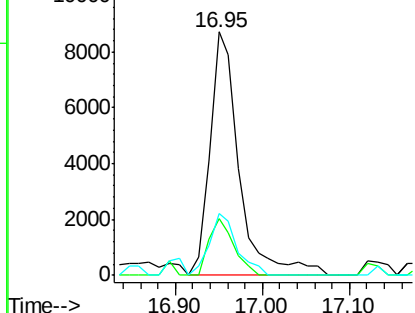
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.17 ng
 RT: 16.95 min Scan# 1296
 Delta R.T. 0.09 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL2

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.7	29.5
277	23.9	20.1	30.1

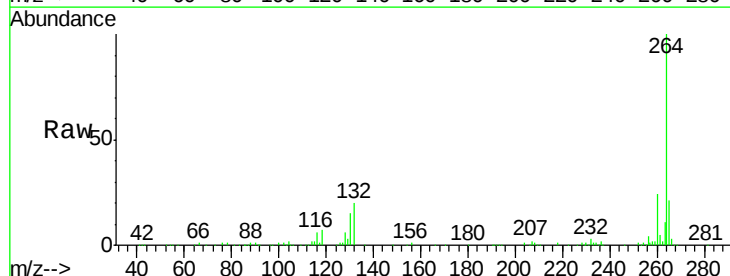


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

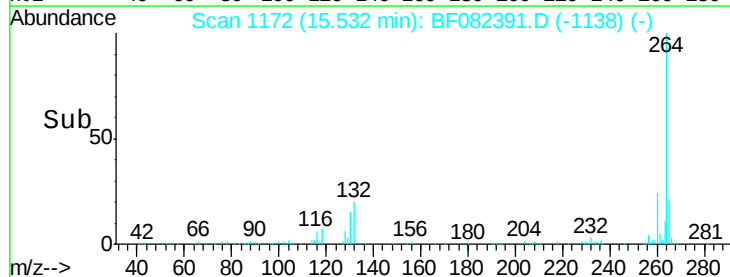
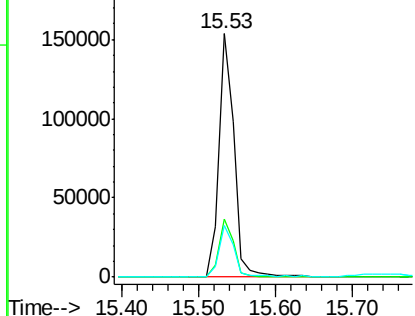


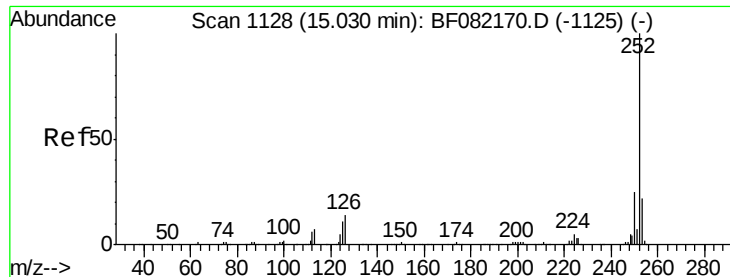
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1172
 Delta R.T. 0.09 min
 Lab File: BF082391.D
 Acq: 20 Oct 2015 9:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	21.3	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.94 ng

RT: 15.12 min Scan# 1136

Delta R.T. 0.09 min

Lab File: BF082391.D

Acq: 20 Oct 2015 9:19

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL2

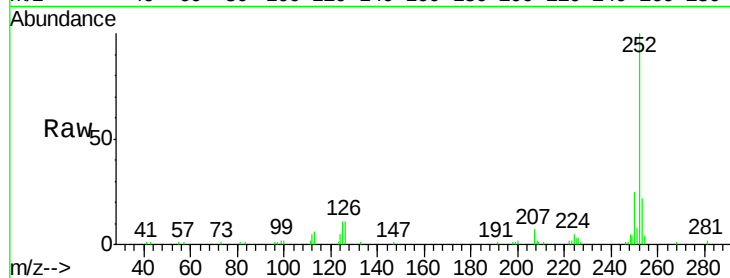
Tot Ion:252 Resp: 76869

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

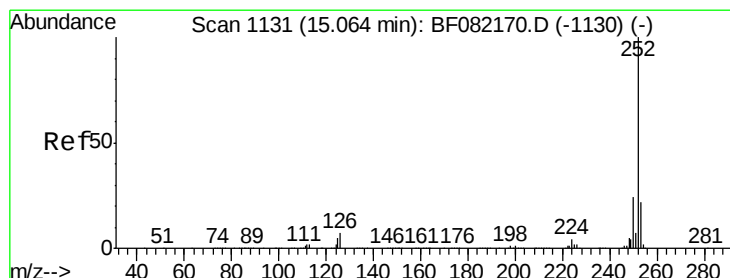
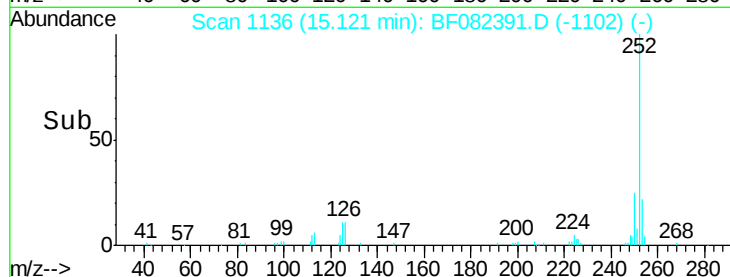
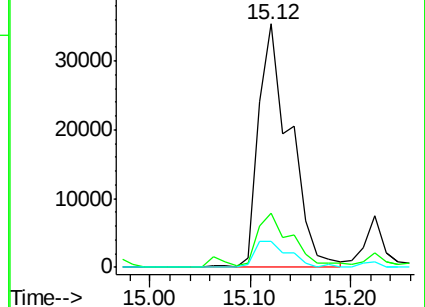
125 10.9 8.6 12.8



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



#88

Benzo(k)fluoranthene

Concen: 7.07 ng

RT: 15.12 min Scan# 1136

Delta R.T. 0.06 min

Lab File: BF082391.D

Acq: 20 Oct 2015 9:19

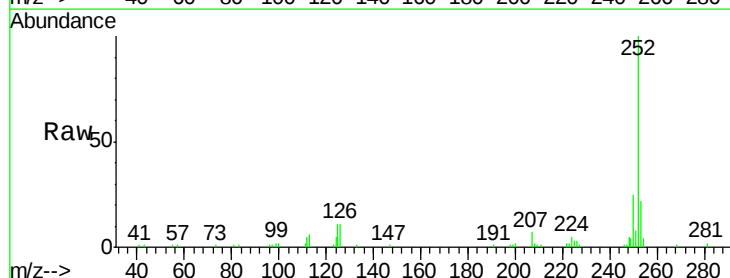
Tgt Ion:252 Resp: 76869

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

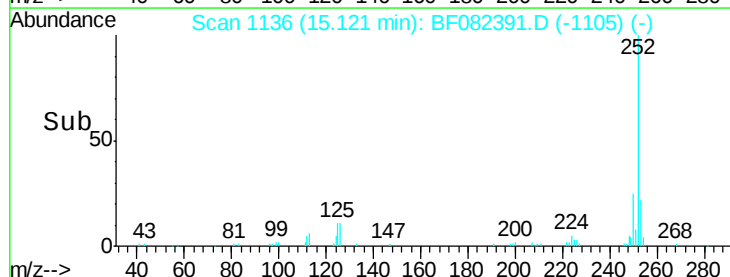
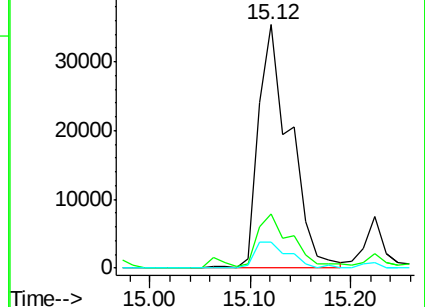
125 10.9 6.7 10.1#

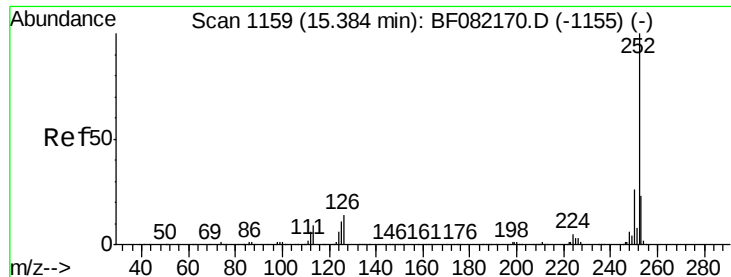


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.55 ng

RT: 15.48 min Scan# 1167

Delta R.T. 0.09 min

Lab File: BF082391.D

Acq: 20 Oct 2015 9:19

Instrument :

BNA_F

ClientSampleId :

GOODLUCKINSULATIONDL2

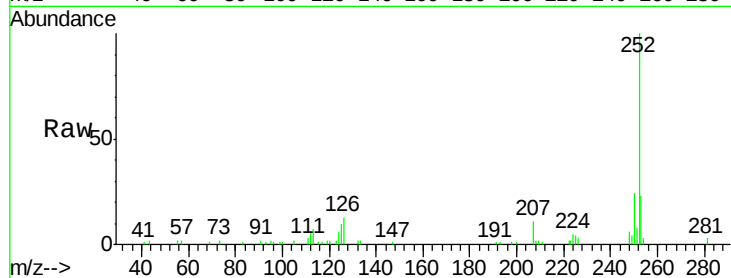
Tot Ion: 252 Resp: 39476

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

125 9.6 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

