

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082394.D
 Acq On : 20 Oct 2015 10:46
 Operator : UM/IZ
 Sample : G4046-05DL 400X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

Quant Time: Oct 20 11:30:59 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

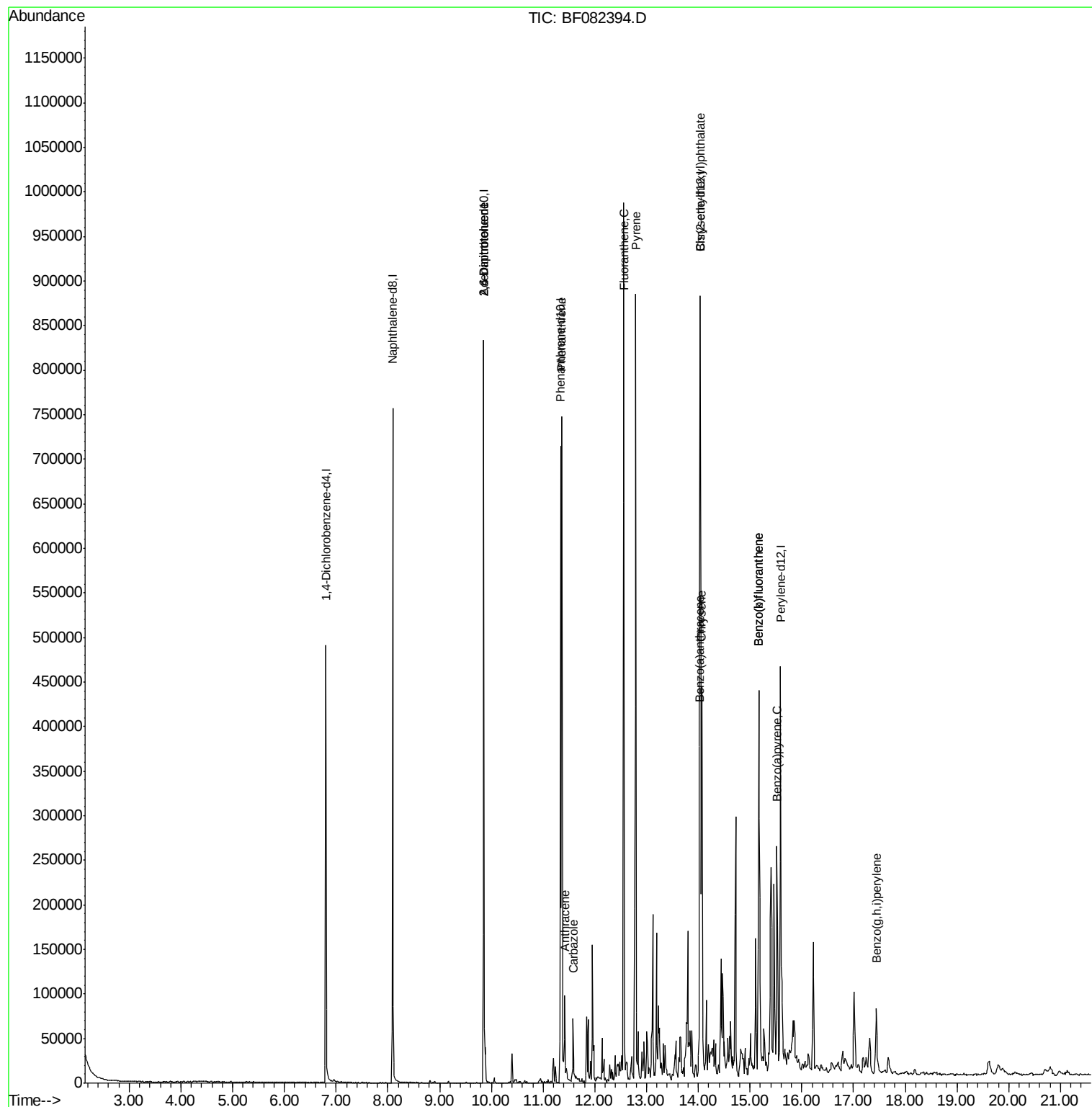
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	81362	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	341341	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	168918	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	290613	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	217062	20.00	ng	0.02
86) Perylene-d12	15.59	264	214693	20.00	ng	0.15
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	1729	0.17	ng	-0.03
78) Terphenyl-d14	12.94	244	1645	0.20	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	9.85	165	20813	8.29	ng	# 31
55) 4-Nitrophenol	10.06	139	1267	Below	Cal	# 11
56) 2,4-Dinitrotoluene	9.85	165	20813	6.63	ng	# 22
70) Phenanthrene	11.36	178	291194	20.44	ng	99
71) Anthracene	11.42	178	60772	4.14	ng	98
72) Carbazole	11.58	167	50464	3.77	ng	97
74) Fluoranthene	12.56	202	551674	36.06	ng	97
77) Pyrene	12.79	202	418167	32.46	ng	98
80) Benzo(a)anthracene	14.02	228	193544	17.14	ng	98
82) Chrysene	14.07	228	179088	15.05	ng	98
83) Bis(2-ethylhexyl)phthalate	14.04	149	100734	12.01	ng	# 55
87) Benzo(b)fluoranthene	15.17	252	296633	22.71	ng	99
88) Benzo(k)fluoranthene	15.17	252	296633	27.02	ng	# 97
89) Benzo(a)pyrene	15.52	252	134570	11.99	ng	97
91) Benzo(a,h,i)perylene	17.44	276	65121	7.29	ng	99

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

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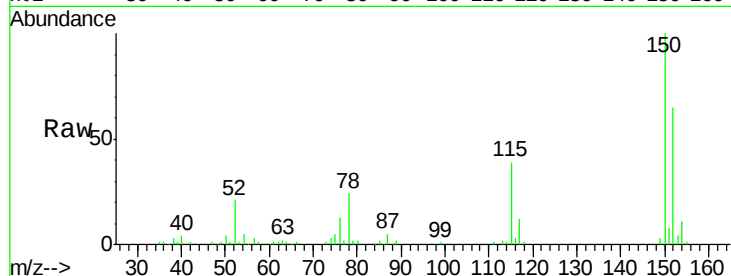


#1

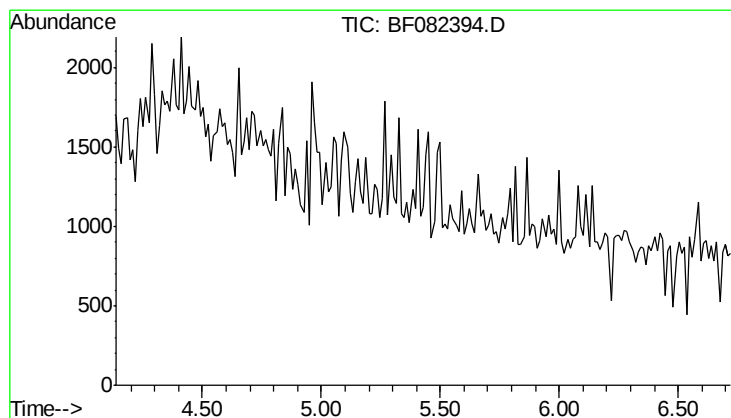
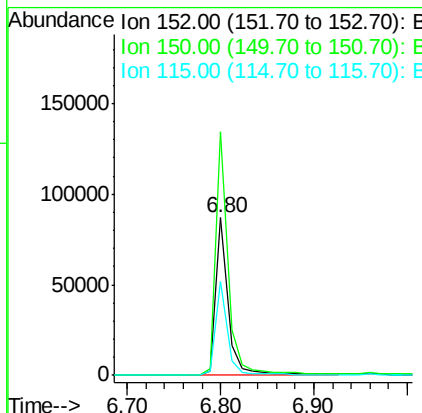
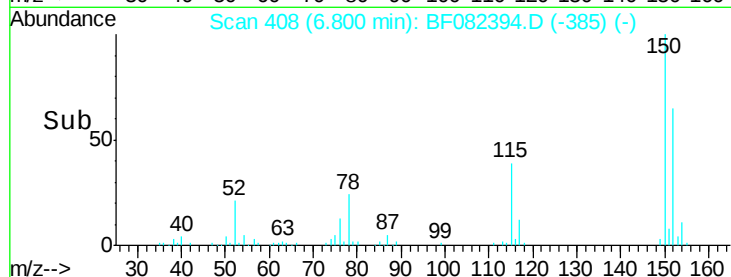
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

Tot Ion:152 Resp: 81362
 Ion Ratio Lower Upper
 152 100
 150 154.3 129.0 193.4
 115 59.5 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

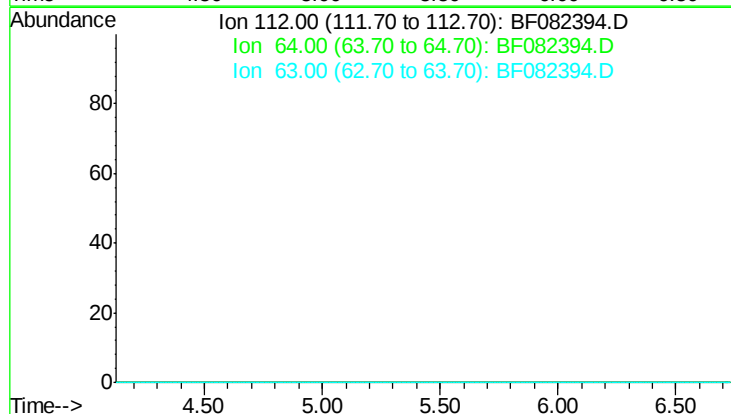


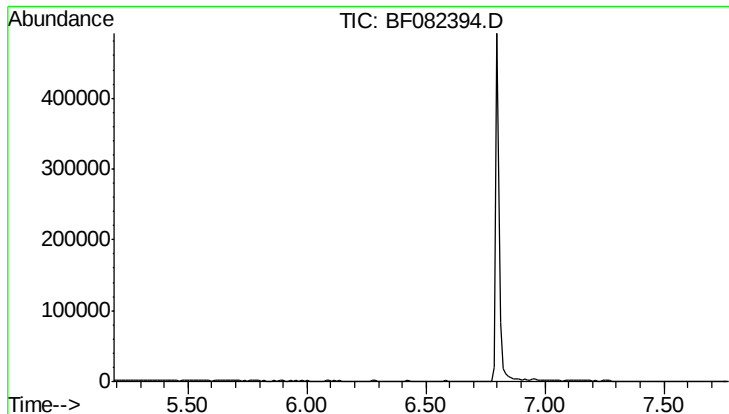
#5

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

Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

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

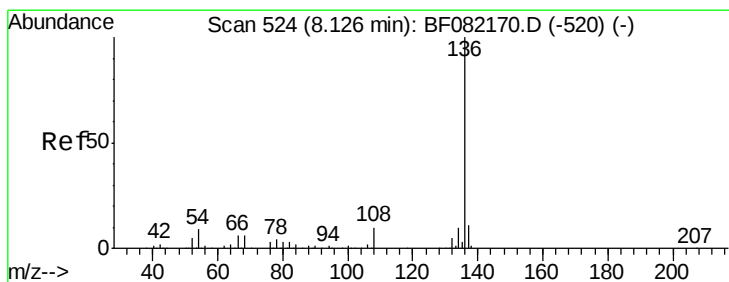
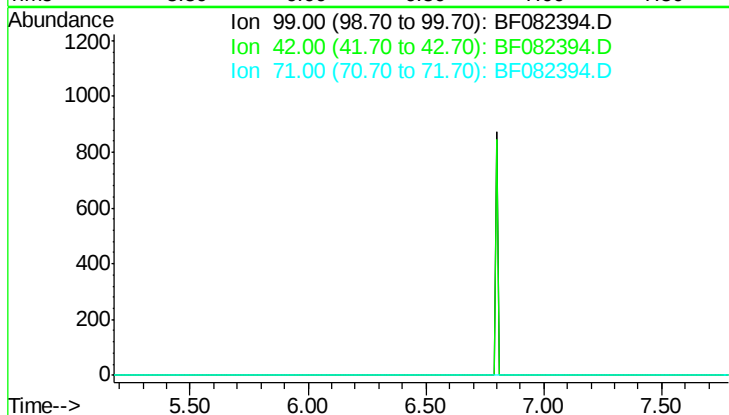




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.48 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

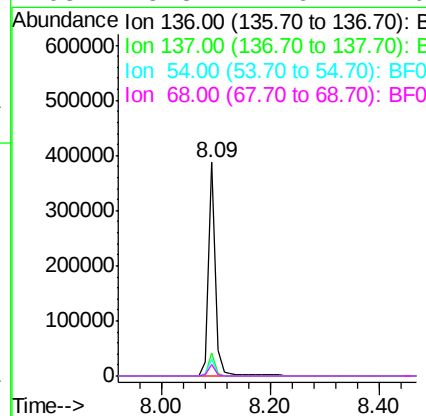
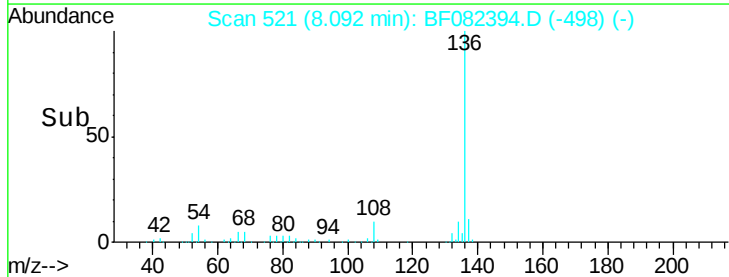
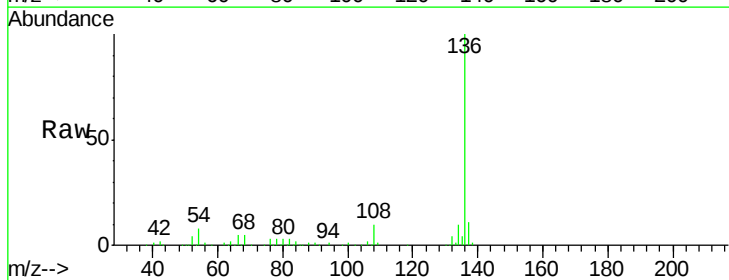
Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

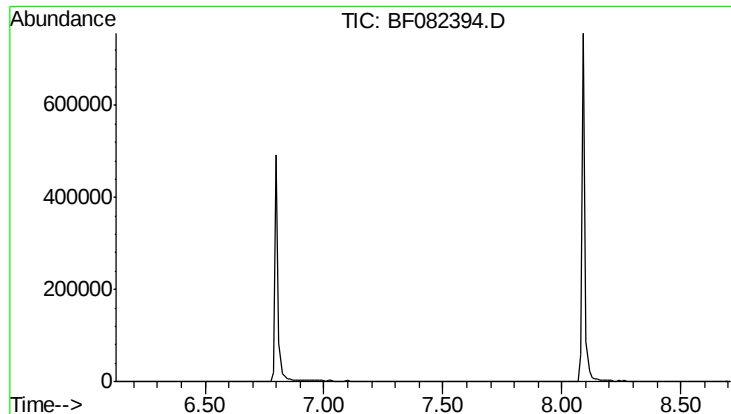
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 16.5
 71 32.0



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.09 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion: 136 Resp: 341341
 Ion Ratio Lower Upper
 136 100
 137 11.0 9.0 13.6
 54 7.8 7.5 11.3
 68 5.3 4.6 7.0

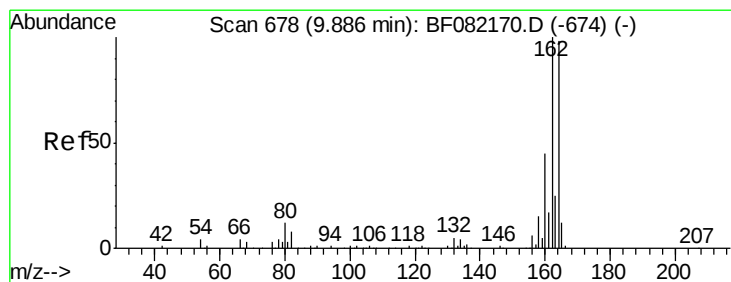
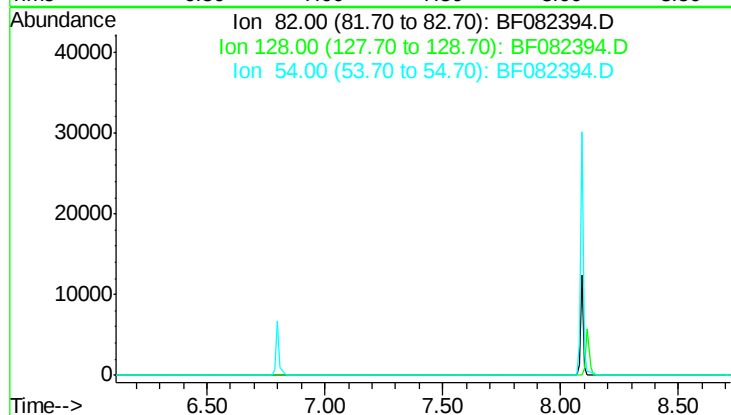




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

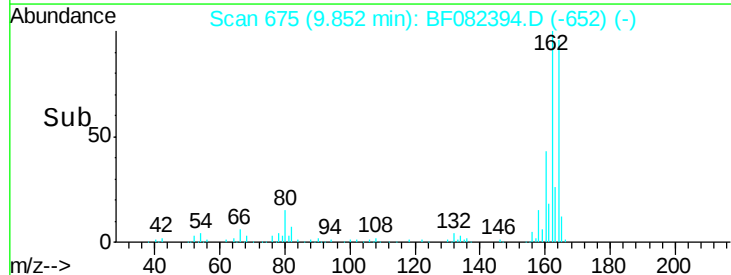
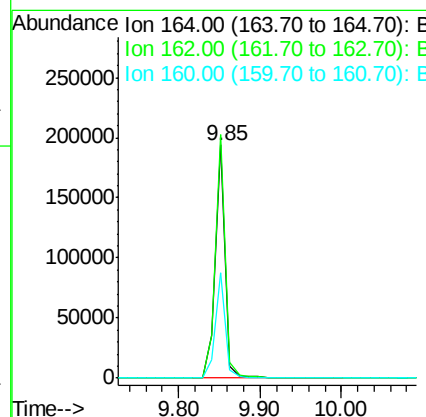
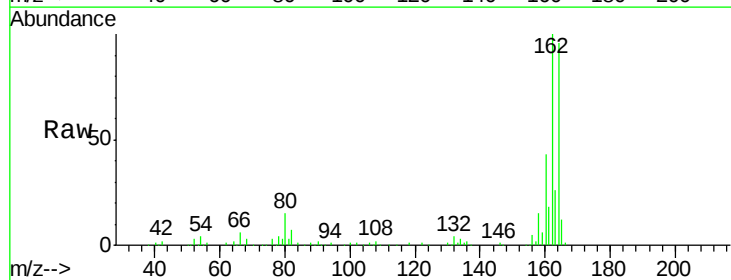
Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

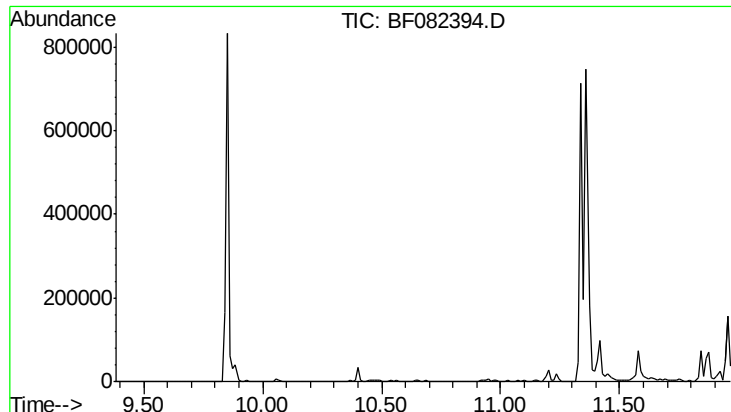
Tot Ion	82
Sig	Exp Ratio
82	100
128	48.4
54	50.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion	164	Resp	168918
Ion Ratio	Lower	Upper	
164	100		
162	104.5	81.6	122.4
160	45.4	36.4	54.6

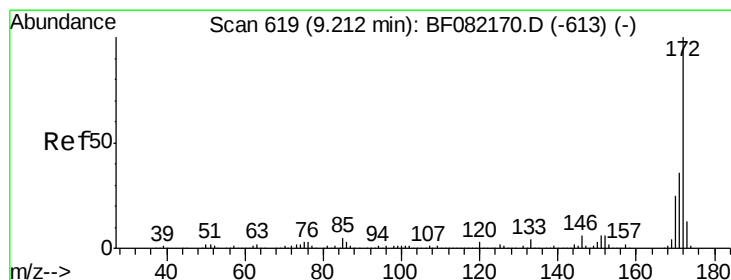
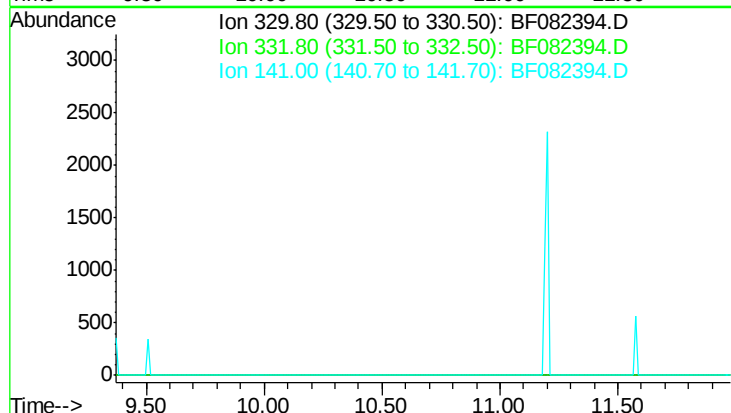




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.67 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

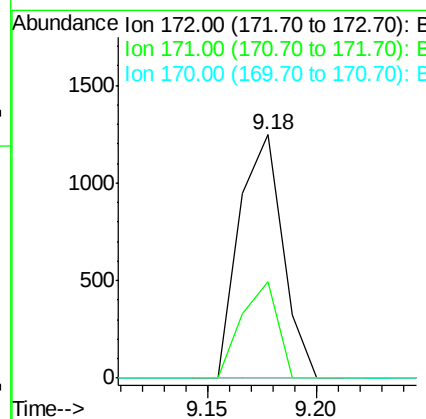
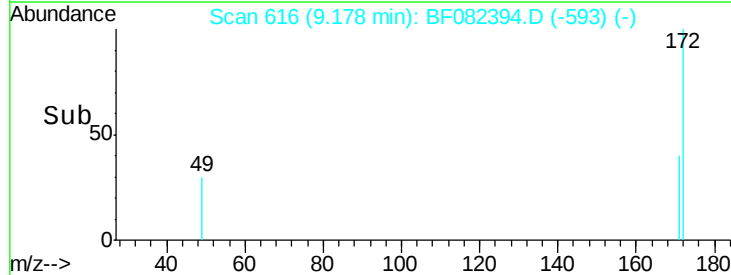
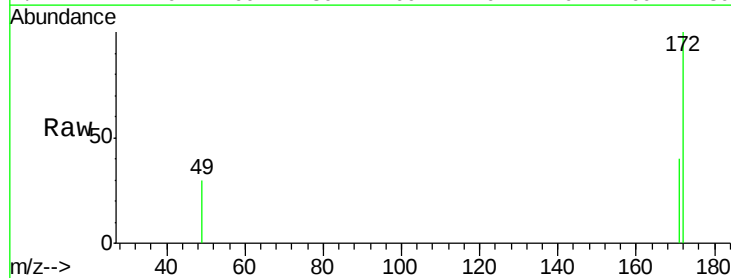
Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

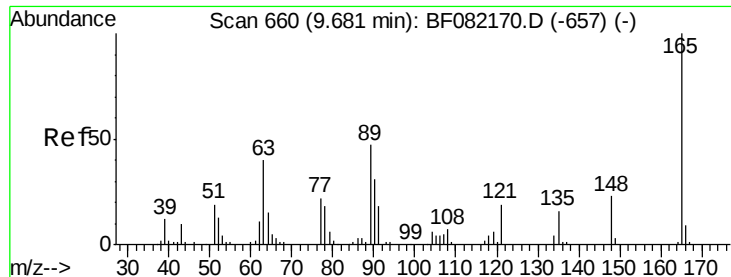
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.4
 141 37.3



#44
 2-Fluorobiphenyl
 Concen: 0.17 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion: 172 Resp: 1729
 Ion Ratio Lower Upper
 172 100
 171 39.6 28.6 42.8
 170 0.0 19.7 29.5#

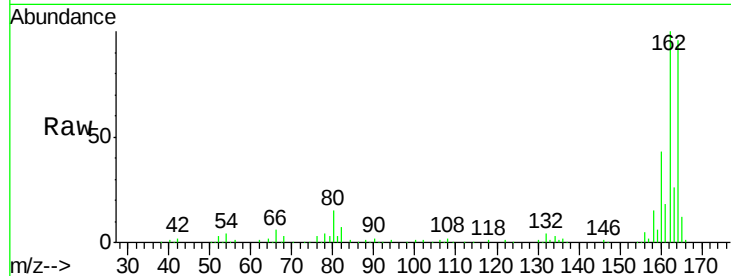




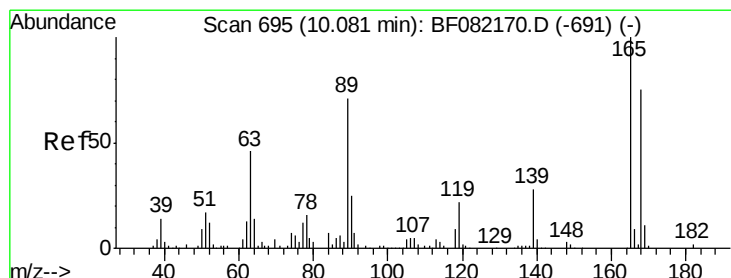
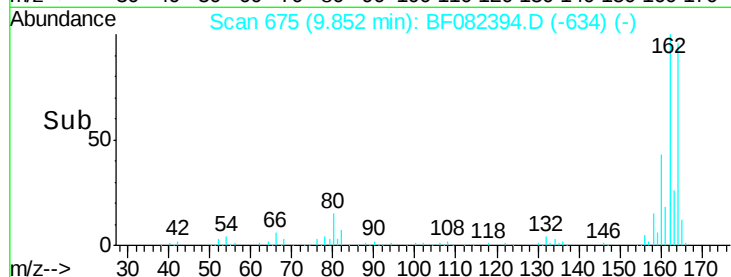
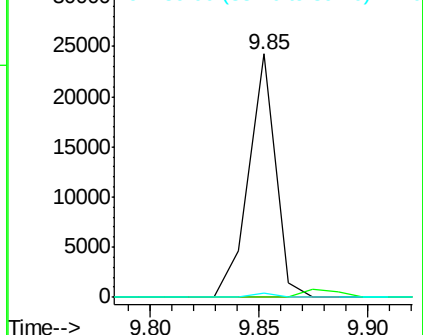
#50
 2,6-Dinitrotoluene
 Concen: 8.29 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.17 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	1.6	37.8	56.6#

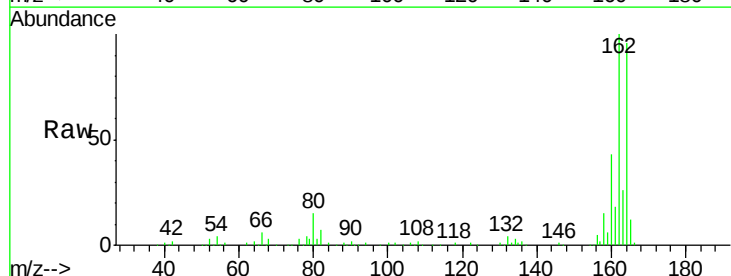


Abundance Ion 165.00 (164.70 to 165.70): E

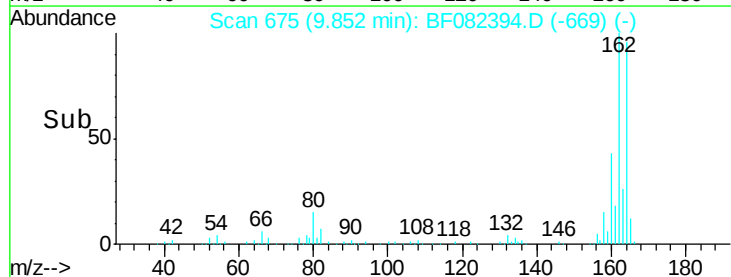
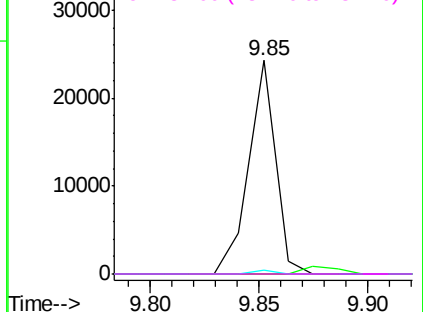


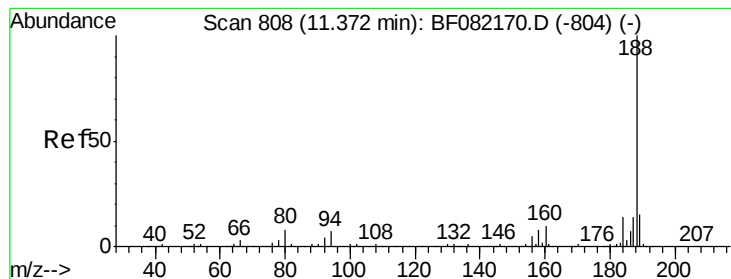
#56
 2,4-Dinitrotoluene
 Concen: 6.63 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.23 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.6	58.0#
89	1.6	57.0	85.6#
182	0.0	1.8	2.6#



Abundance Ion 165.00 (164.70 to 165.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

ClientSampleId :

MANAHAWKENINSULATIONDL

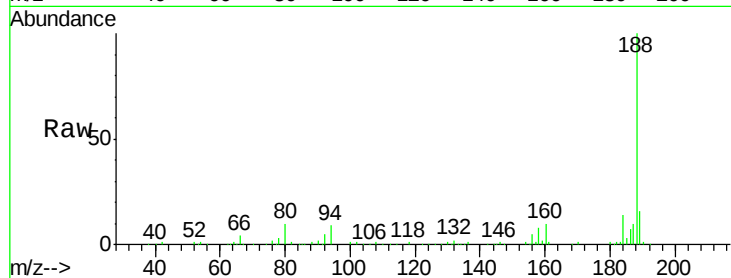
Tot Ion:188 Resp: 290613

Ion Ratio Lower Upper

188 100

94 9.0 5.8 8.6#

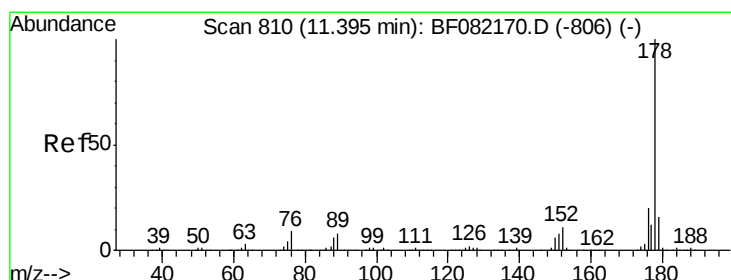
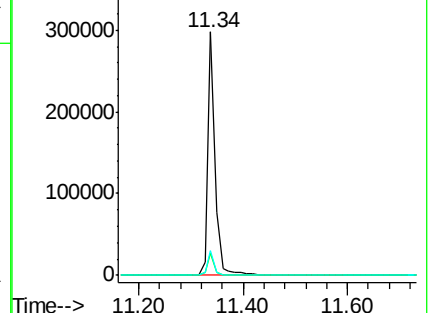
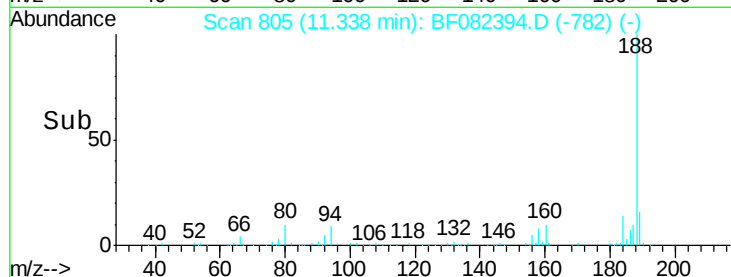
80 10.0 6.4 9.6#



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: 20.44 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.03 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

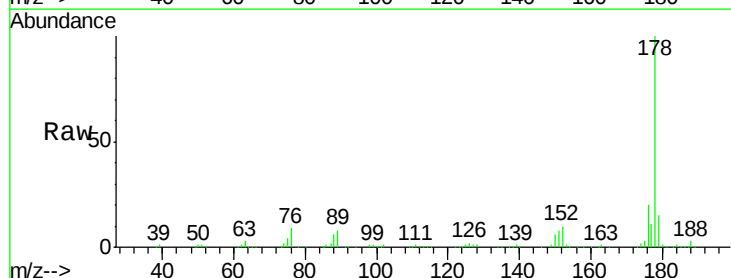
Tgt Ion:178 Resp: 291194

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

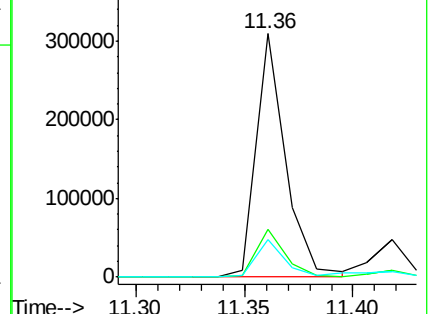
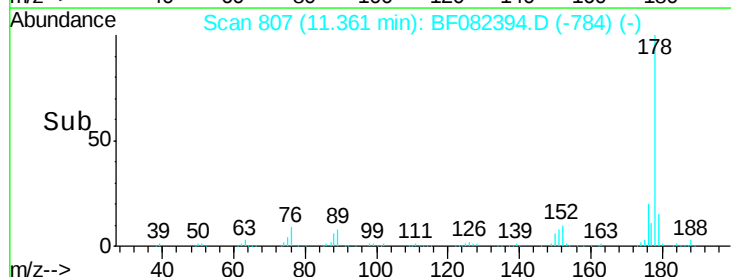
179 15.4 12.6 19.0

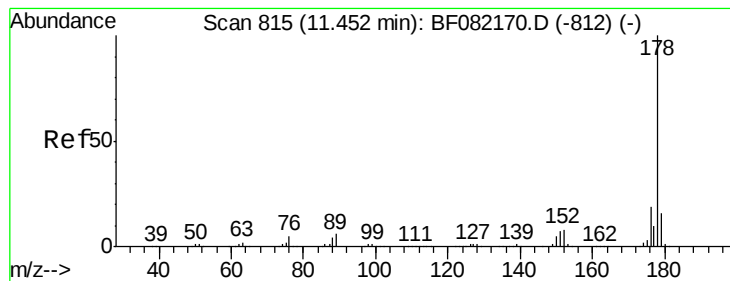


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.14 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF082394.D

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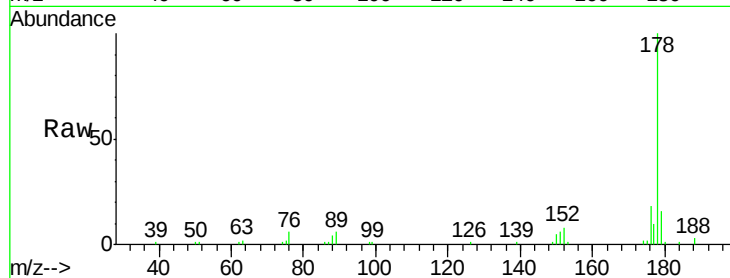
Tot Ion:178 Resp: 60772

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

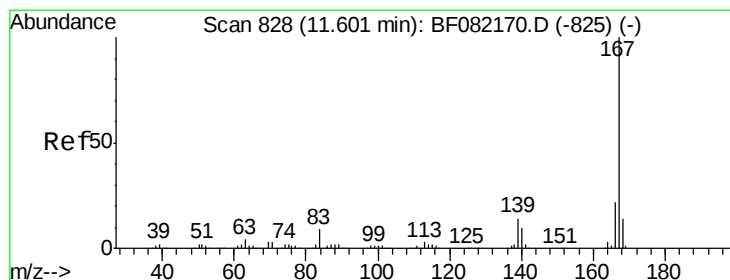
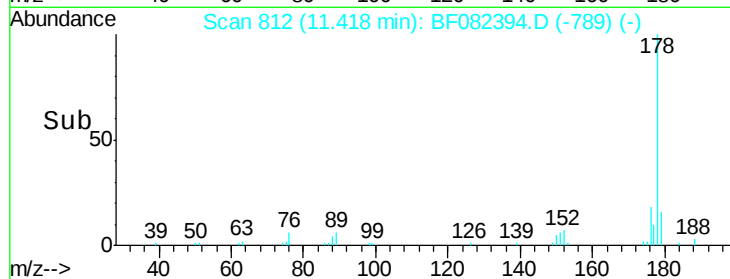
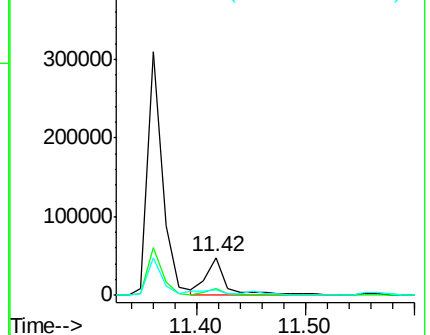
179 16.2 12.5 18.7



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



#72

Carbazole

Concen: 3.77 ng

RT: 11.58 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

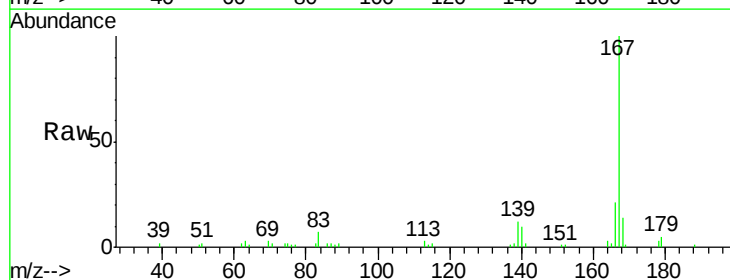
Tgt Ion:167 Resp: 50464

Ion Ratio Lower Upper

167 100

166 20.7 17.3 25.9

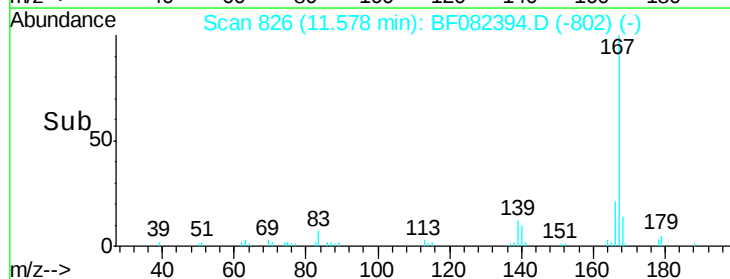
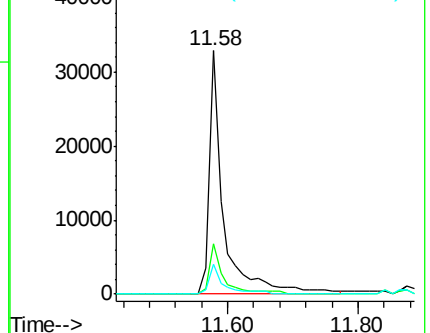
139 12.3 11.2 16.8

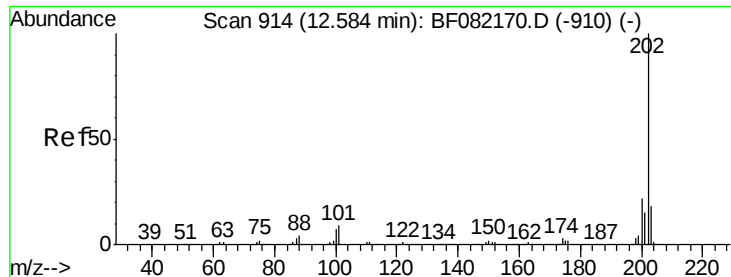


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 36.06 ng

RT: 12.56 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

ClientSampleId :

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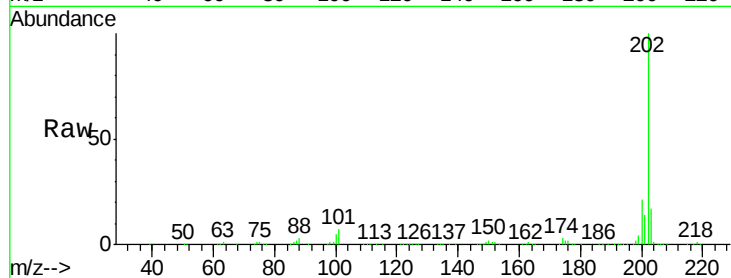
Tot Ion:202 Resp: 551674

Ion Ratio Lower Upper

202 100

101 6.7 0.0 29.3

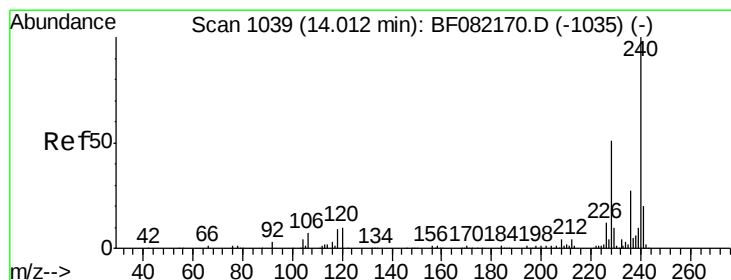
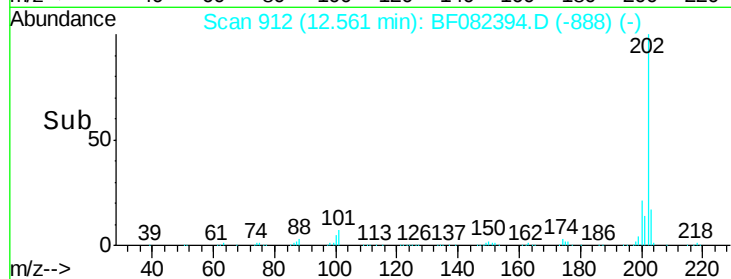
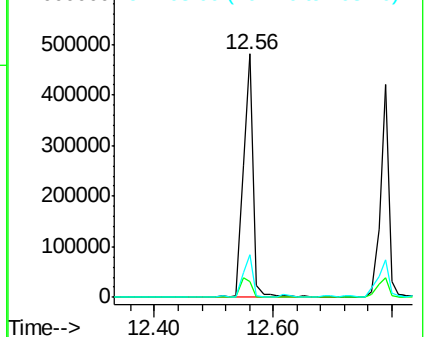
203 17.3 0.0 37.8



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: 14.04 min Scan# 1041

Delta R.T. 0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

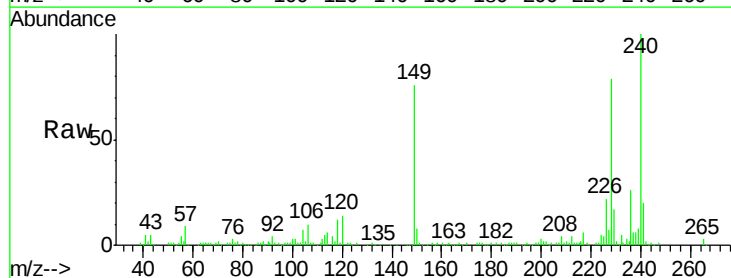
Tgt Ion:240 Resp: 217062

Ion Ratio Lower Upper

240 100

120 13.8 8.1 12.1#

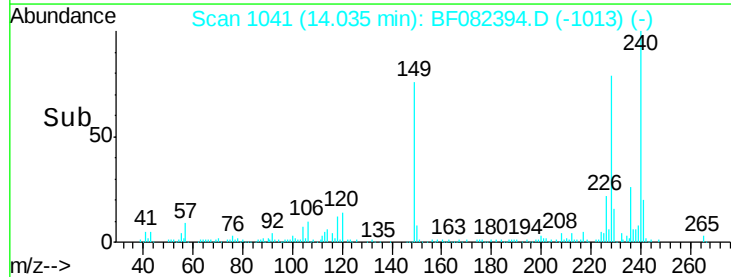
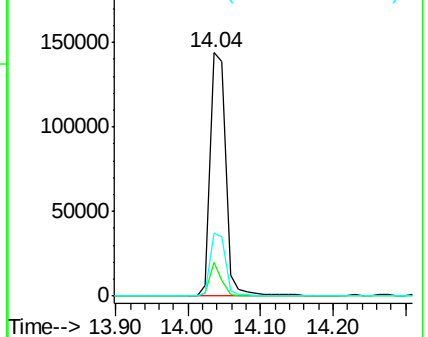
236 25.9 21.3 31.9

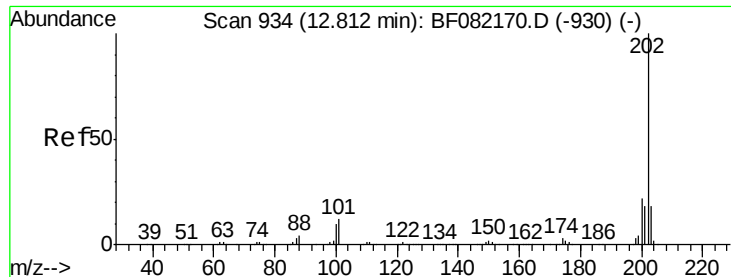


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 32.46 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

ClientSampleId :

MANAHAWKENINSULATIONDL

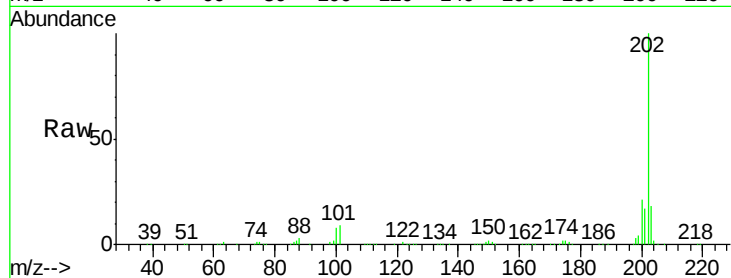
Tot Ion:202 Resp: 418167

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

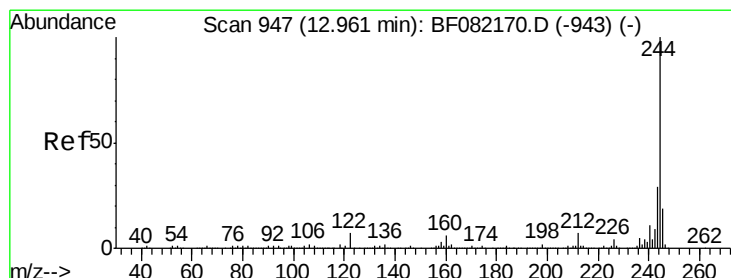
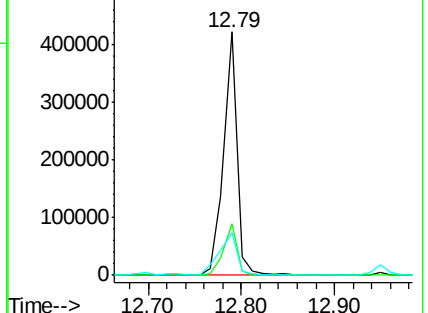
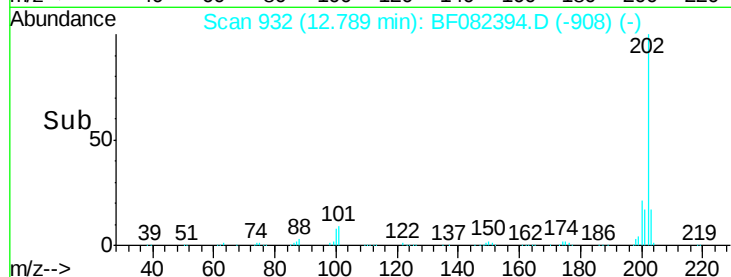
203 17.5 14.5 21.7



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: 0.20 ng

RT: 12.94 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

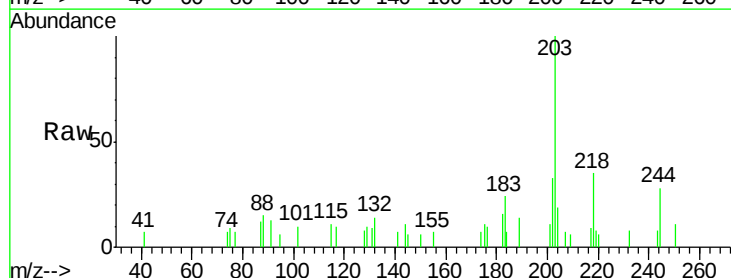
Tgt Ion:244 Resp: 1645

Ion Ratio Lower Upper

244 100

212 0.0 5.8 8.6#

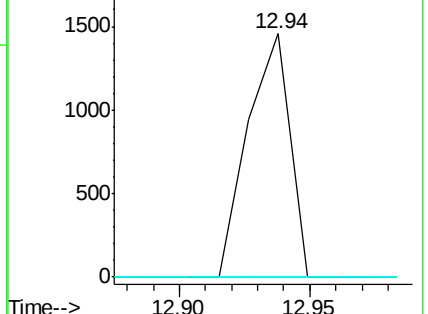
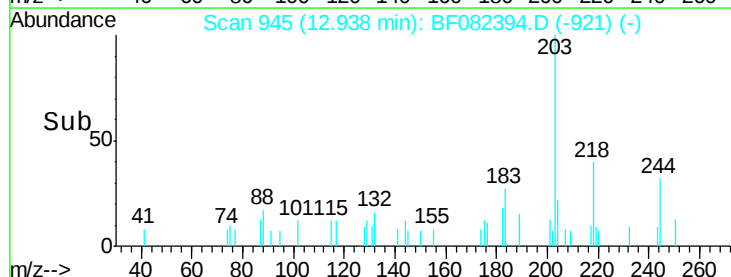
122 0.0 5.9 8.9#

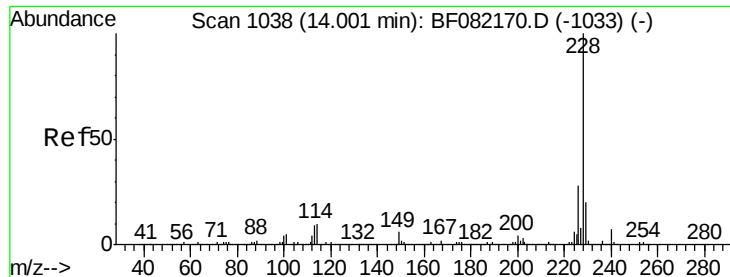


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

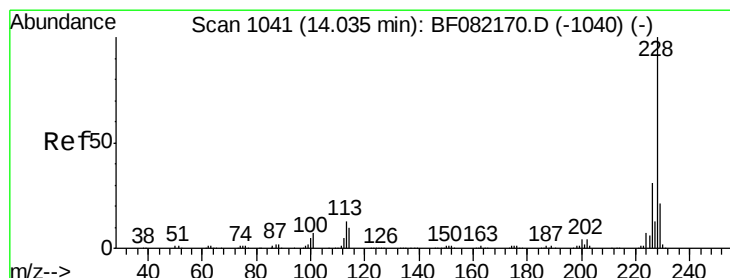
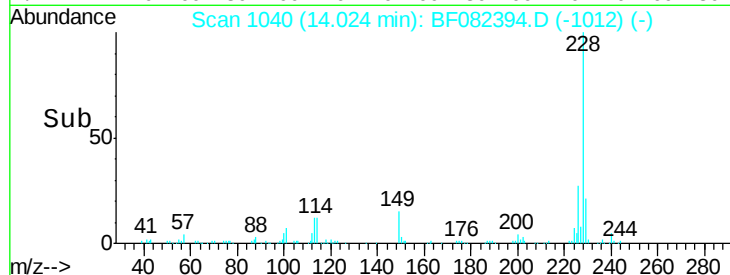
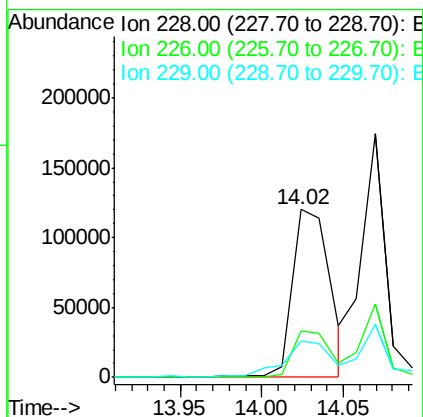
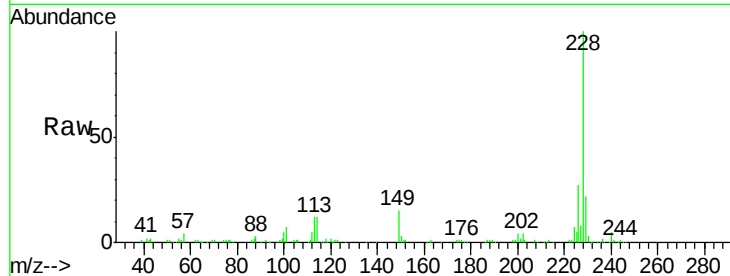




#80
Benzo(a)anthracene
Concen: 17.14 ng
RT: 14.02 min Scan# 1040
Delta R.T. 0.02 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

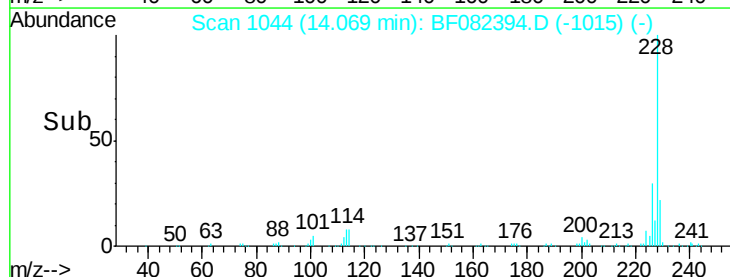
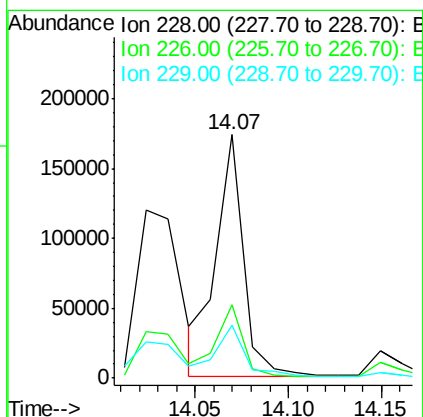
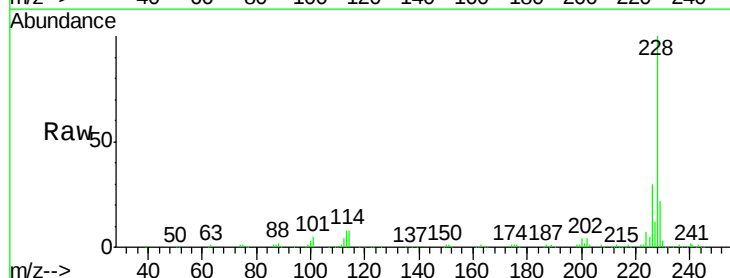
Instrument :
BNA_F
ClientSampleId :
MANAHAWKENINSULATIONDL

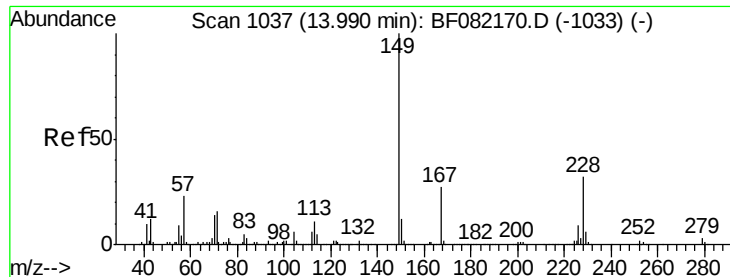
Tot Ion:228 Resp: 193544
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 21.6 16.2 24.2



#82
Chrysene
Concen: 15.05 ng
RT: 14.07 min Scan# 1044
Delta R.T. 0.03 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Tgt Ion:228 Resp: 179088
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.9 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 12.01 ng

RT: 14.04 min Scan# 1041

Delta R.T. 0.05 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

ClientSampleId :

MANAHAWKENINSULATIONDL

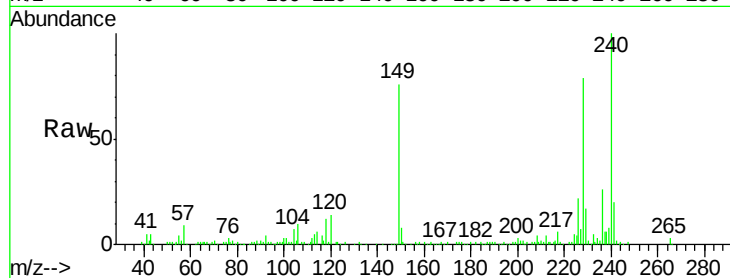
Tot Ion:149 Resp: 100734

Ion Ratio Lower Upper

149 100

167 1.4 21.3 31.9#

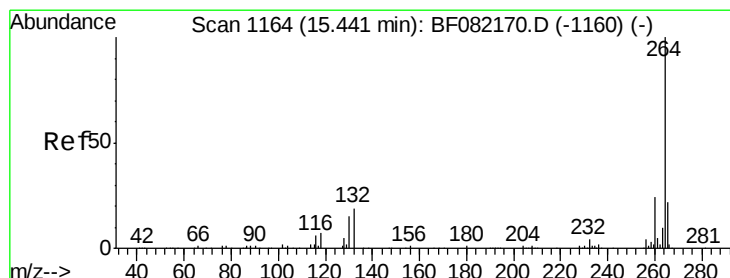
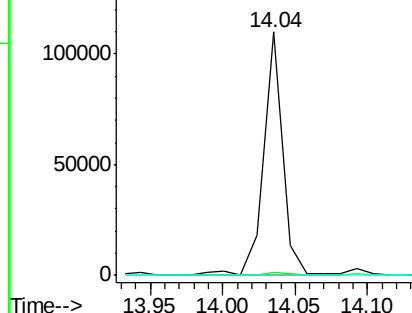
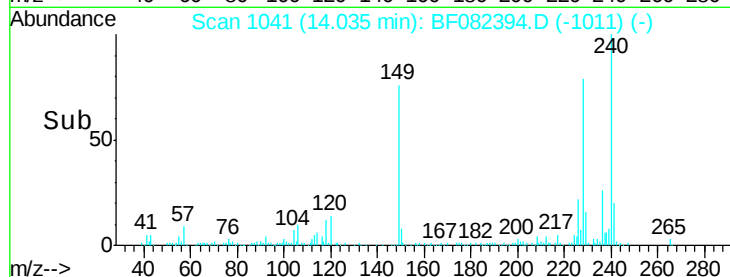
279 0.0 2.6 4.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.59 min Scan# 1177

Delta R.T. 0.15 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

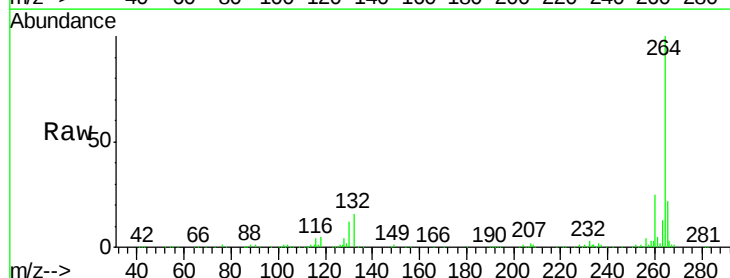
Tgt Ion:264 Resp: 214693

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

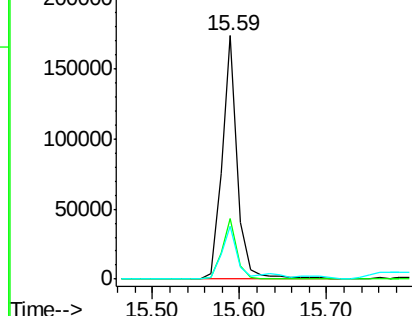
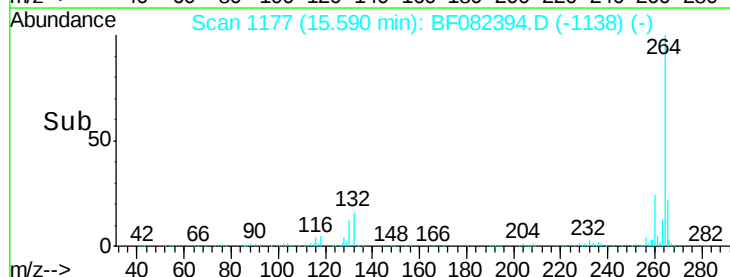
265 21.7 17.3 25.9

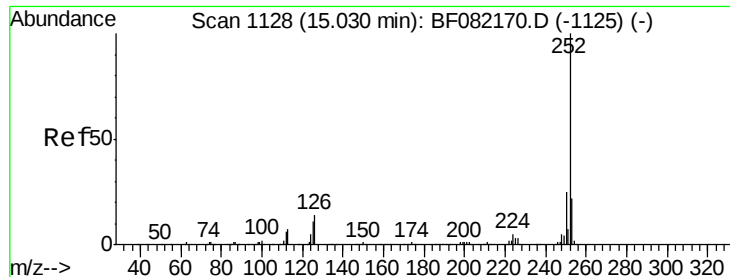


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

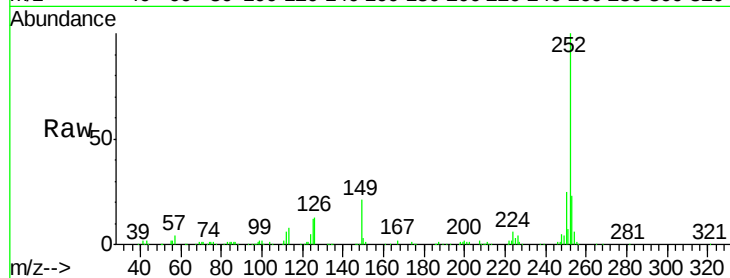




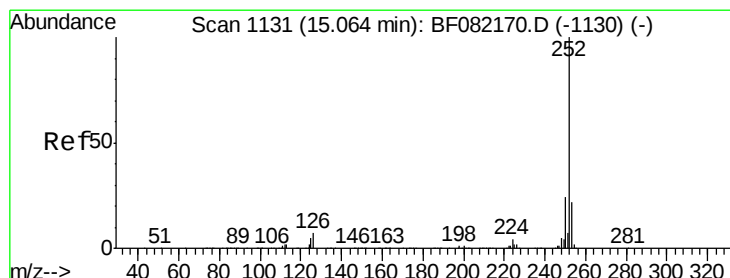
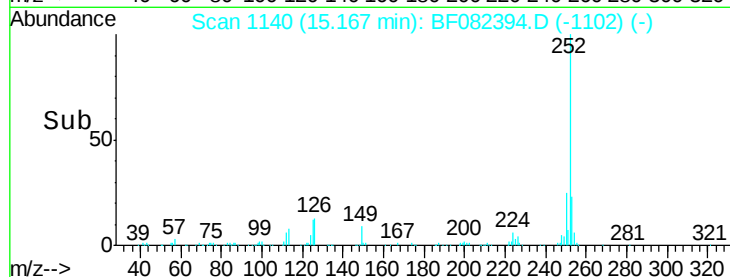
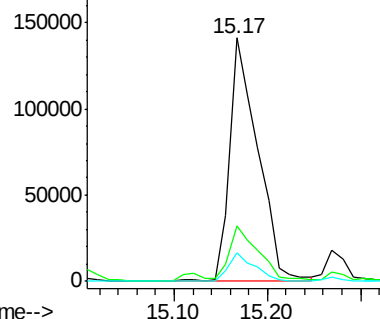
#87
Benzo(b)fluoranthene
Concen: 22.71 ng
RT: 15.17 min Scan# 1140
Delta R.T. 0.14 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Instrument :
BNA_F
ClientSampleId :
MANAHAWKENINSULATIONDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.5	8.6	12.8

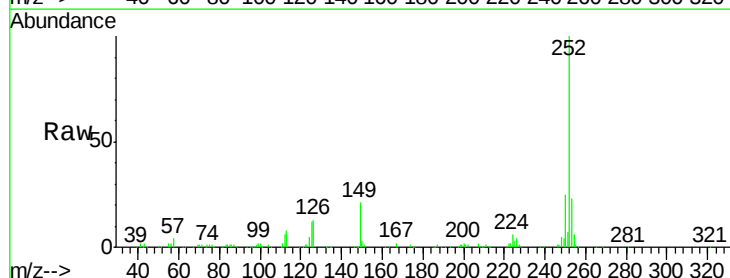


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

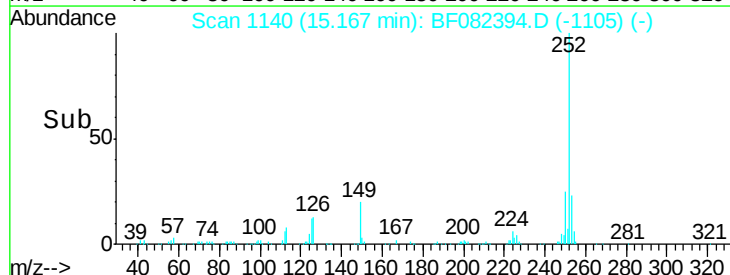
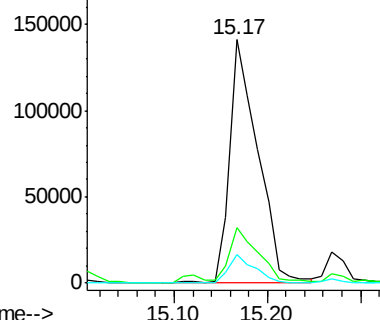


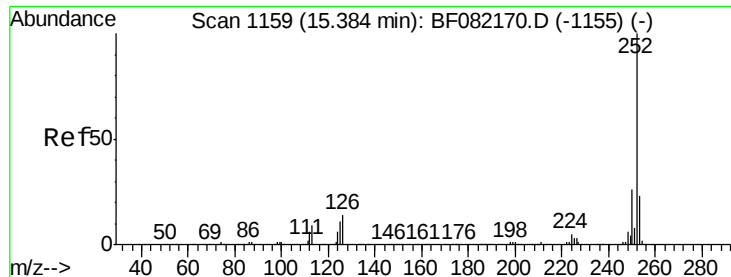
#88
Benzo(k)fluoranthene
Concen: 27.02 ng
RT: 15.17 min Scan# 1140
Delta R.T. 0.10 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.5	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

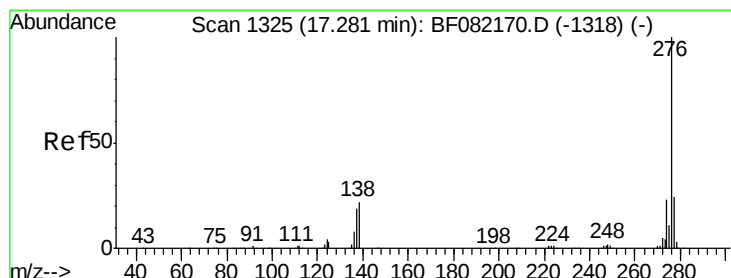
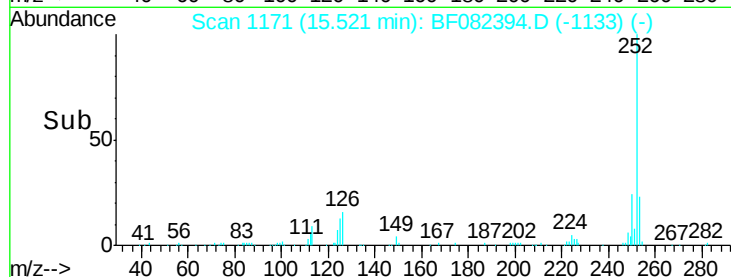
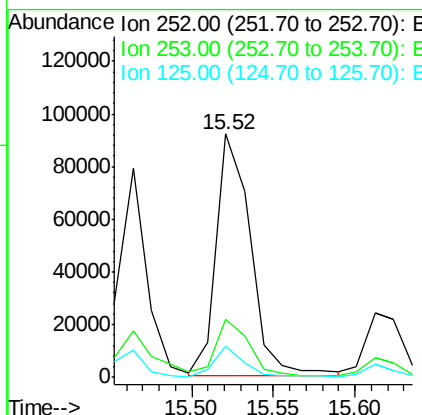
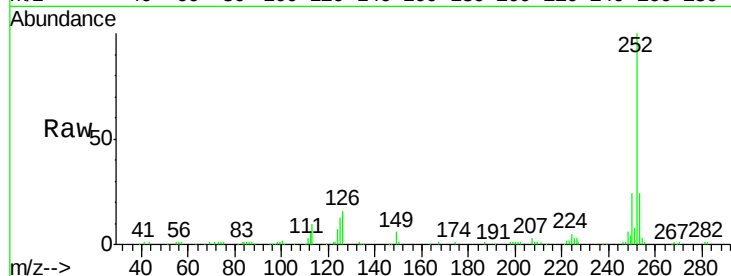




#89
Benzo(a)pyrene
Concen: 11.99 ng
RT: 15.52 min Scan# 1171
Delta R.T. 0.14 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Instrument :
BNA_F
ClientSampleId :
MANAHAWKENINSULATIONDL

Tot Ion:252 Resp: 134570
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 12.5 8.9 13.3



#91
Benzo(g,h,i)perylene
Concen: 7.29 ng
RT: 17.44 min Scan# 1339
Delta R.T. 0.16 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Tgt Ion:276 Resp: 65121
Ion Ratio Lower Upper
276 100
277 23.0 18.8 28.2
138 21.6 17.4 26.2

