

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080946.D
 Acq On : 8 Aug 2015 3:09
 Operator : TP/UM
 Sample : G3210-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 08 04:24:54 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	59126	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	224418	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	111711	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	195790	20.00	ng	0.00
75) Chrysene-d12	13.95	240	124126	20.00	ng	-0.01
86) Perylene-d12	15.37	264	122354	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	482862	133.43	ng	0.03
7) Phenol-d6	6.45	99	622959	125.62	ng	0.01
23) Nitrobenzene-d5	7.38	82	440764	92.90	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	145185	118.30	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	648597	81.74	ng	0.00
78) Terphenyl-d14	12.91	244	483987	80.54	ng	0.00

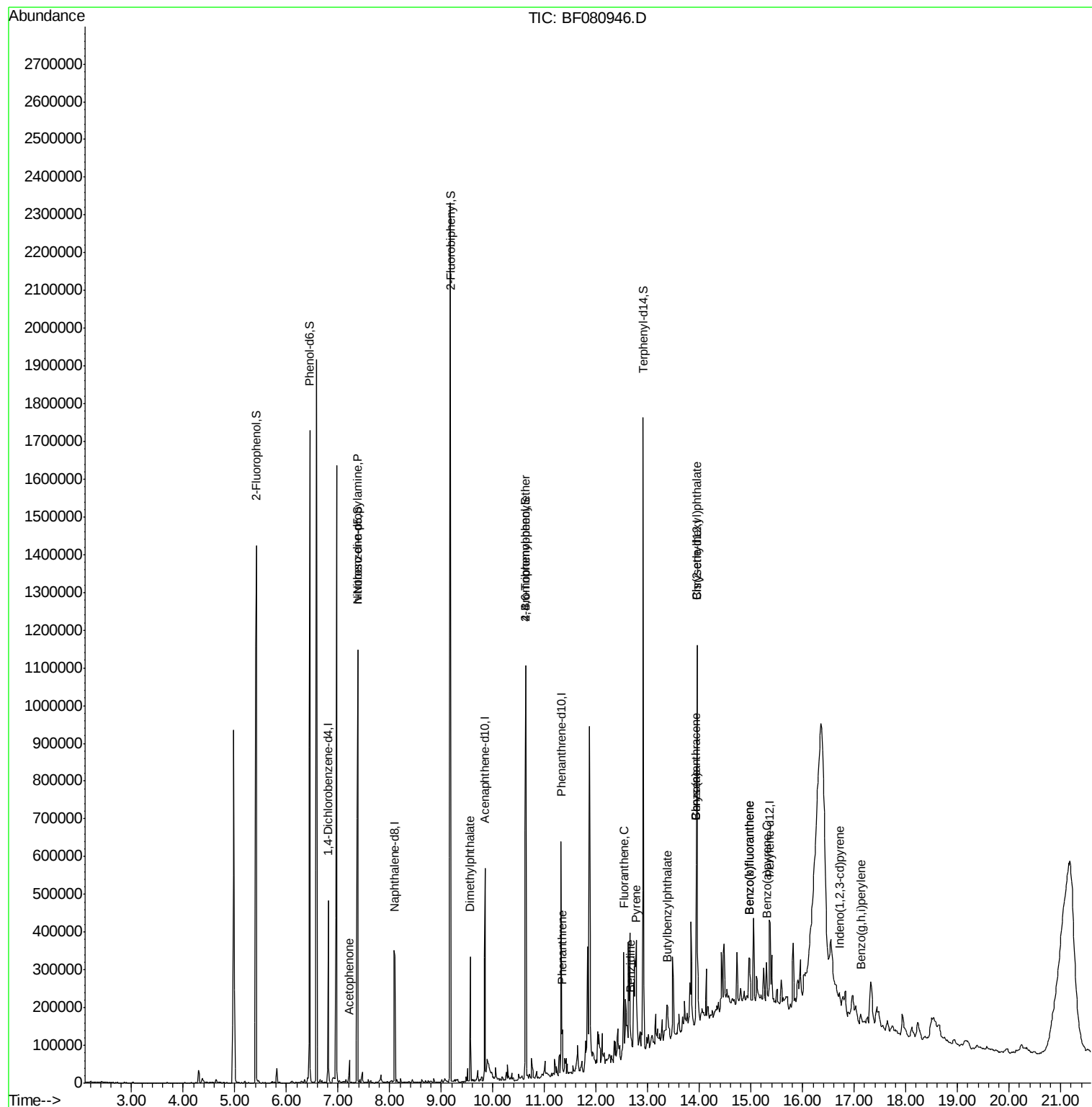
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	59656	16.46	ng	# 72
22) Acetophenone	7.22	105	17206	3.13	ng	# 72
49) Dimethylphthalate	9.56	163	129027	13.90	ng	100
66) 4-Bromophenyl-phenylether	10.64	248	9931	4.79	ng	# 1
70) Phenanthrene	11.34	178	38019	3.43	ng	98
74) Fluoranthene	12.53	202	116638	9.73	ng	97
76) Benzidine	12.67	184	241	2.31	ng	# 1
77) Pyrene	12.76	202	99564	10.86	ng	98
79) Butylbenzylphthalate	13.38	149	10113	2.29	ng	# 55
80) Benzo(a)anthracene	13.94	228	56677	7.23	ng	93
82) Chrysene	13.94	228	56677	7.55	ng	96
83) Bis(2-ethylhexyl)phthalate	13.95	149	166193	27.02	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	26994	3.78	ng	95
87) Benzo(b)fluoranthene	14.97	252	92707	10.90	ng	# 93
88) Benzo(k)fluoranthene	14.97	252	92707	12.46	ng	# 95
89) Benzo(a)pyrene	15.30	252	42703	5.84	ng	# 89
91) Benzo(a,h,i)perylene	17.13	276	24039	3.82	ng	97

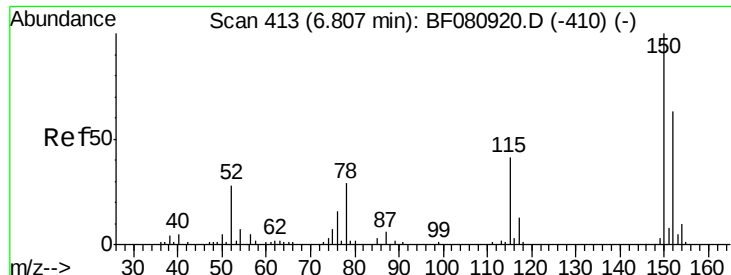
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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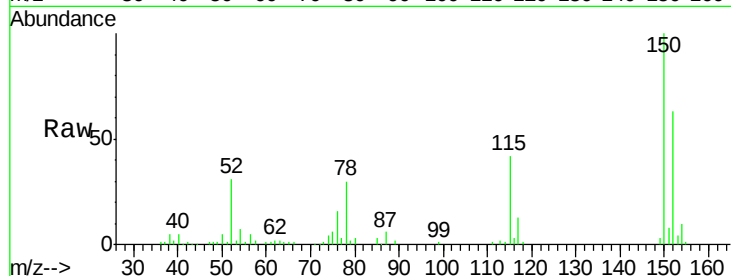


#1

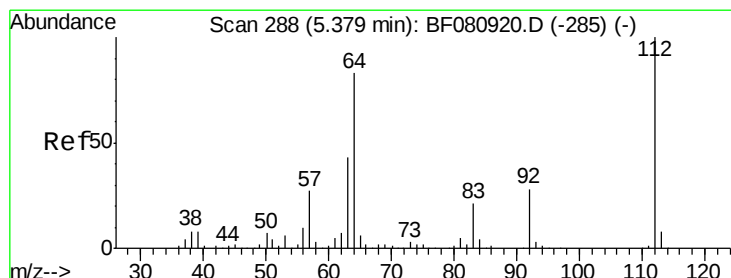
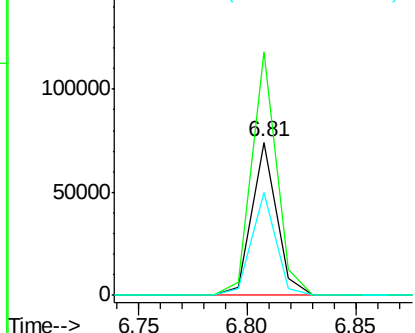
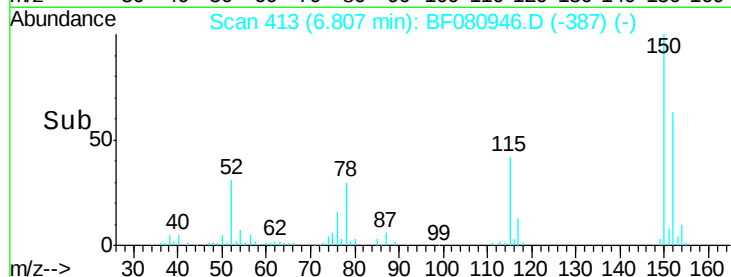
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 59126
Ion Ratio Lower Upper
152 100
150 159.1 127.4 191.2
115 67.3 52.6 78.8



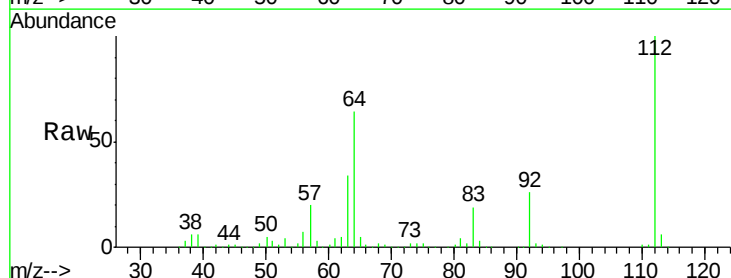
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



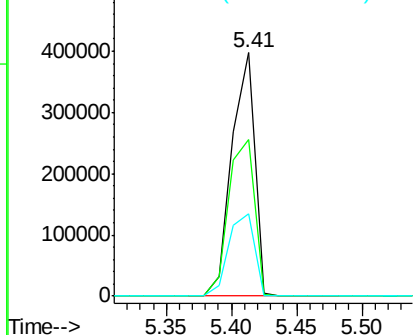
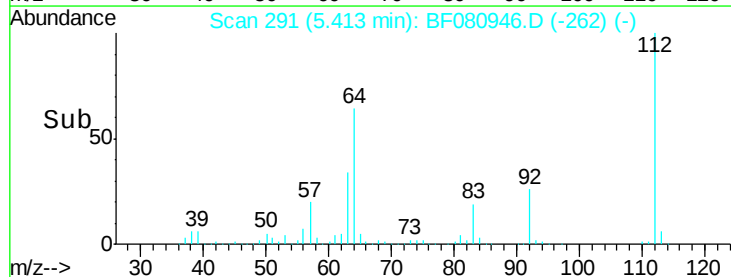
#5

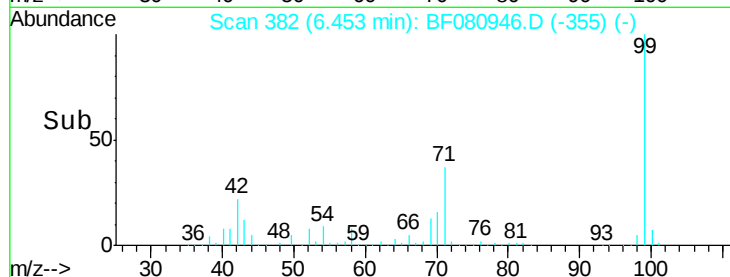
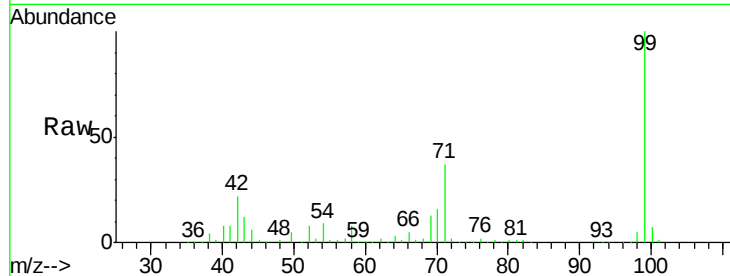
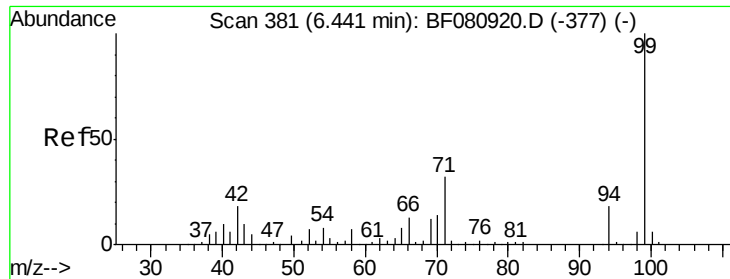
2-Fluorophenol
Concen: 133.43 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.03 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion:112 Resp: 482862
Ion Ratio Lower Upper
112 100
64 64.4 66.1 99.1#
63 33.7 34.6 52.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.62 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

ClientSampleId :

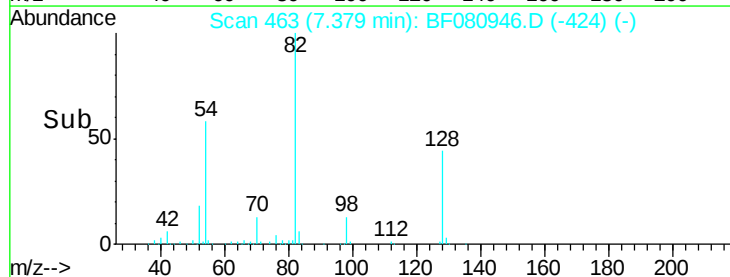
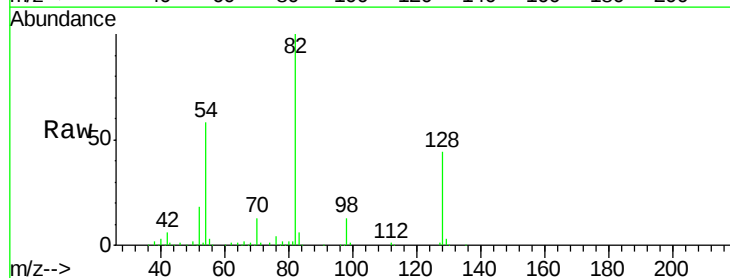
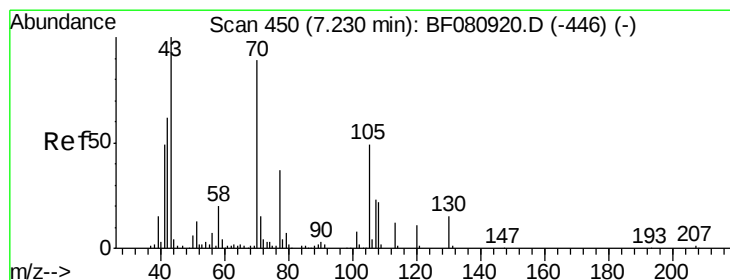
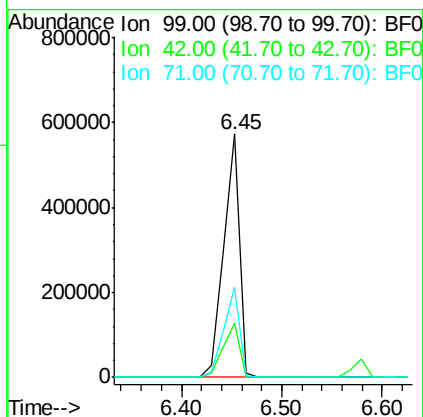
Tot Ion: 99 Resp: 622959

Ion Ratio Lower Upper

99 100

42 22.5 14.4 21.6#

71 36.9 25.8 38.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.46 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.15 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion: 70 Resp: 59656

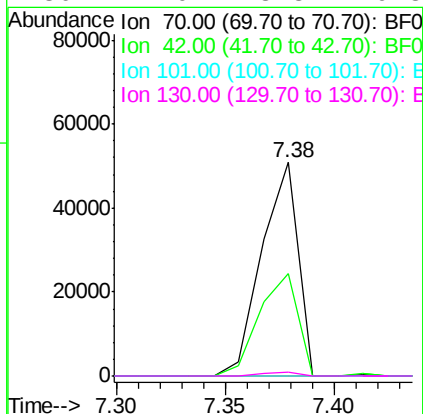
Ion Ratio Lower Upper

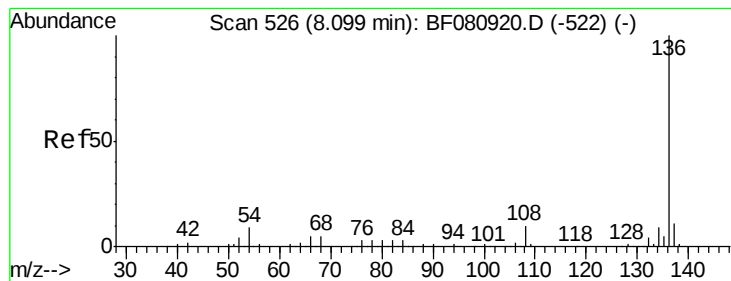
70 100

42 47.8 55.7 83.5#

101 0.0 7.0 10.6#

130 2.0 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 224418

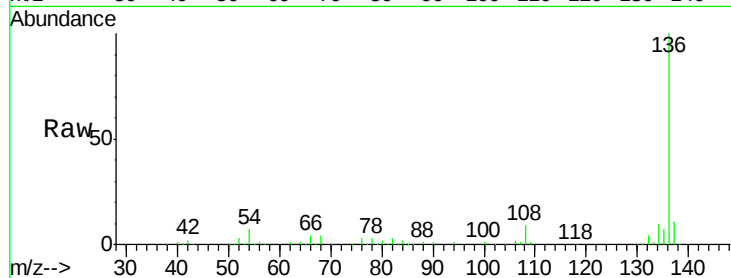
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.2 7.1 10.7

68 3.8 3.8 5.8#

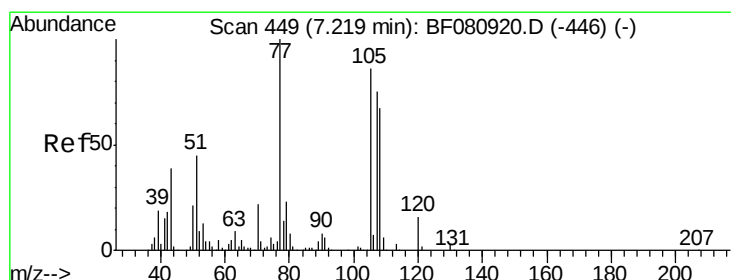
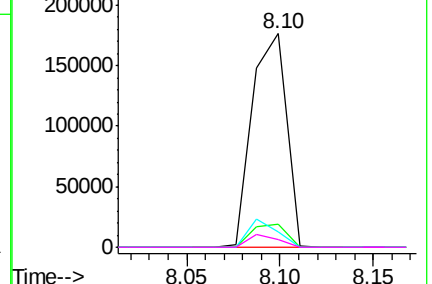
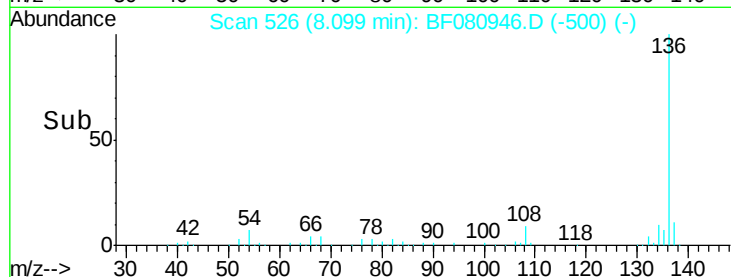


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 3.13 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion:105 Resp: 17206

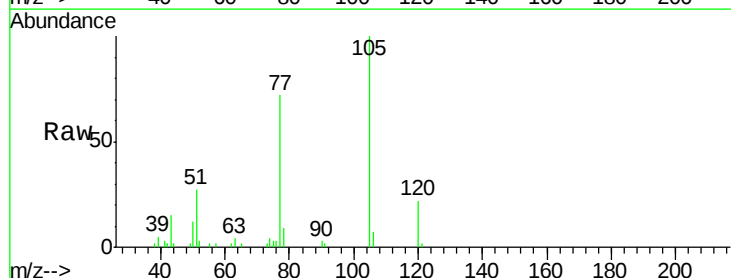
Ion Ratio Lower Upper

105 100

71 0.0 3.3 4.9#

51 26.7 41.8 62.6#

120 22.1 15.1 22.7

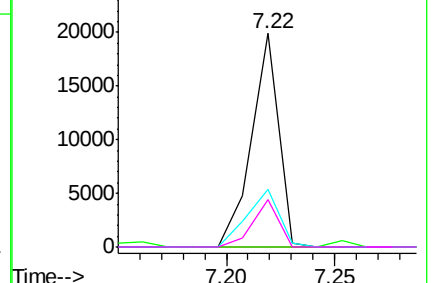
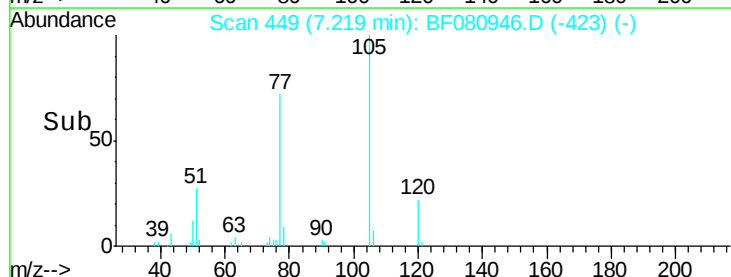


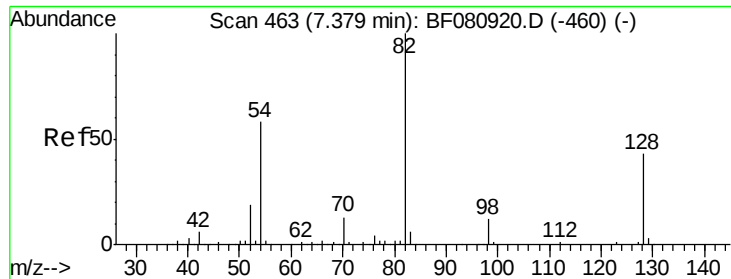
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 92.90 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

ClientSampled :

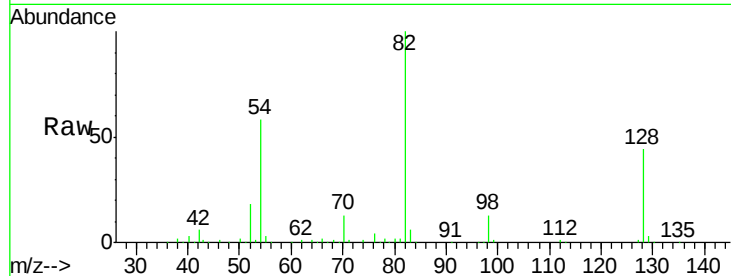
Tot Ion: 82 Resp: 440764

Ion Ratio Lower Upper

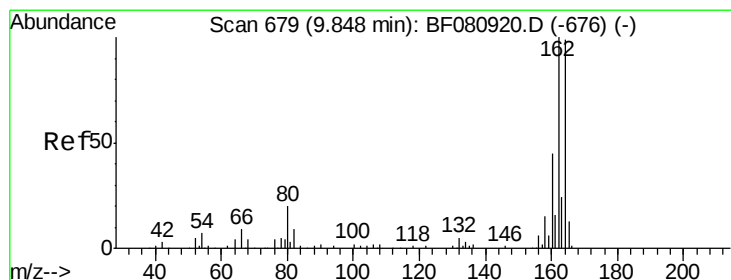
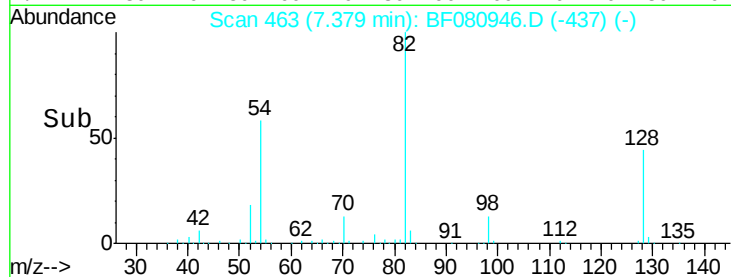
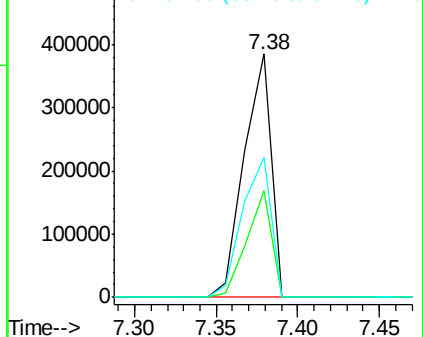
82 100

128 43.9 34.1 51.1

54 57.6 46.5 69.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

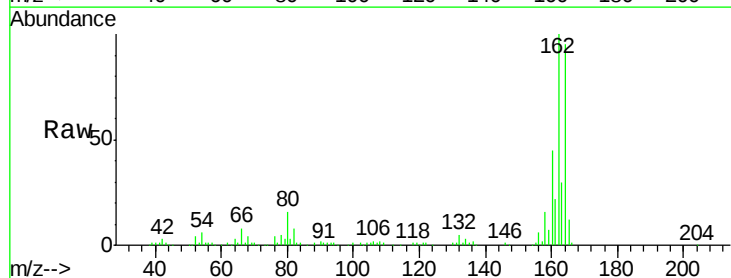
Tgt Ion:164 Resp: 111711

Ion Ratio Lower Upper

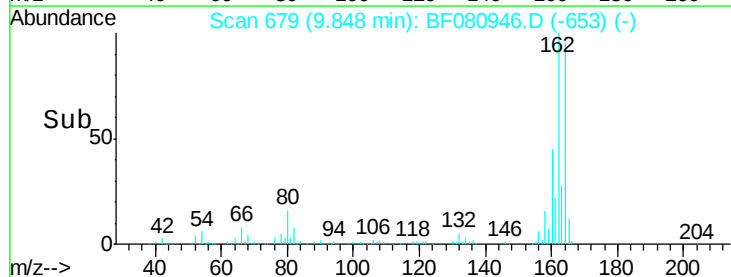
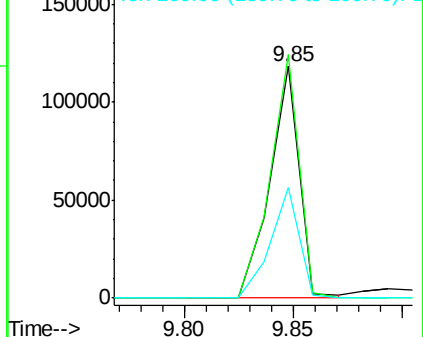
164 100

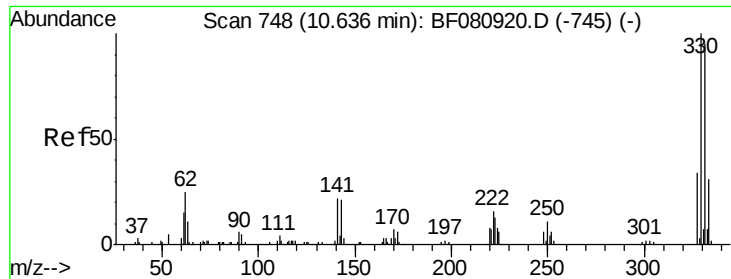
162 105.1 80.5 120.7

160 47.7 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

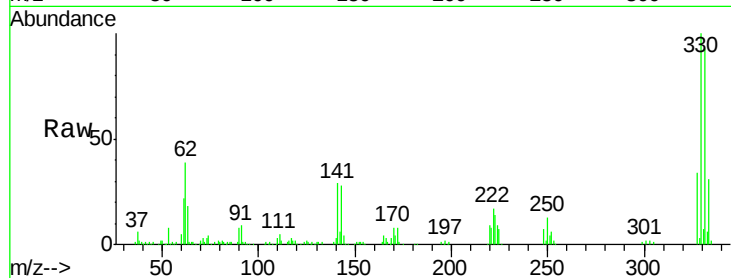




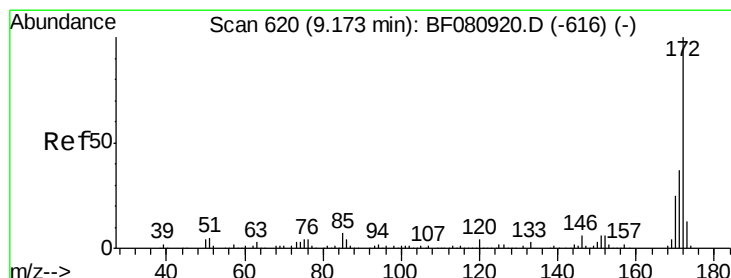
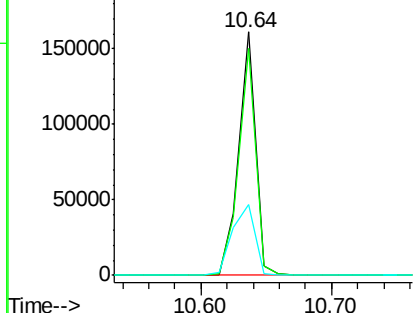
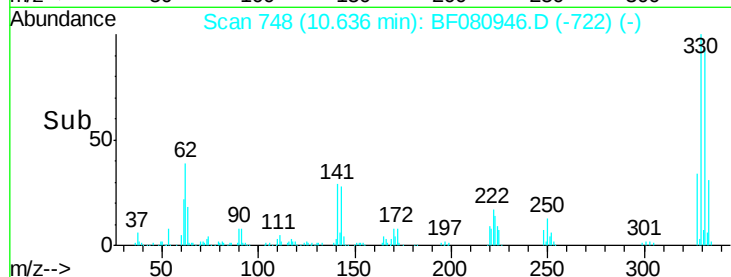
#41
 2,4,6-Tribromophenol
 Concen: 118.30 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.2	114.4
141	38.7	27.8	41.8

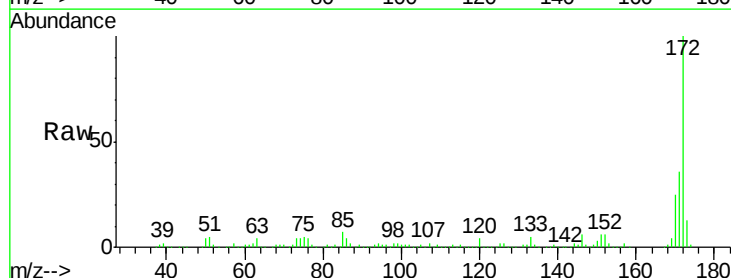


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

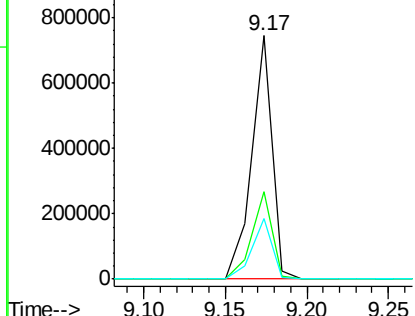
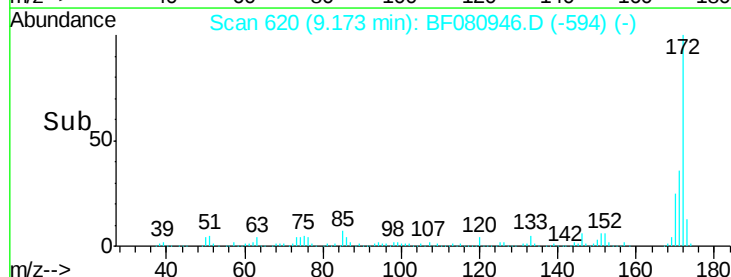


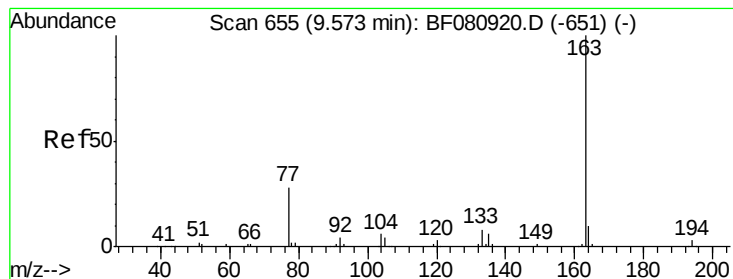
#44
 2-Fluorobiphenyl
 Concen: 81.74 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.9	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





#49

Dimethylphthalate

Concen: 13.90 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

ClientSampleId :

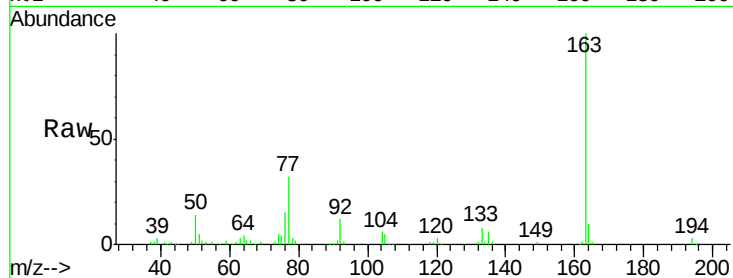
Tot Ion:163 Resp: 129027

Ion Ratio Lower Upper

163 100

194 2.8 2.4 3.6

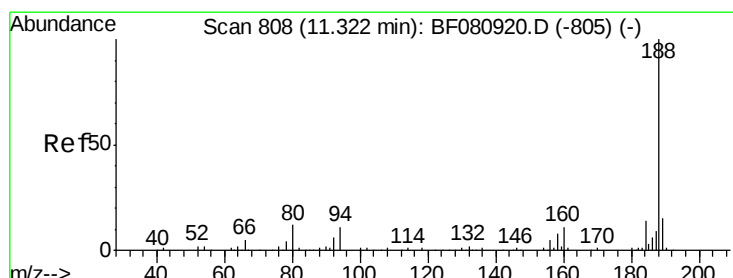
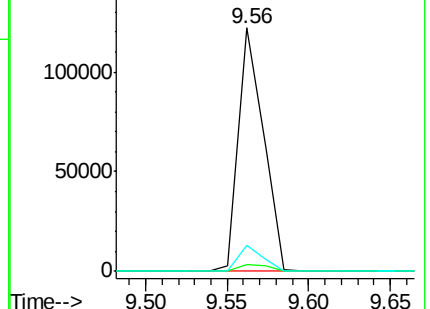
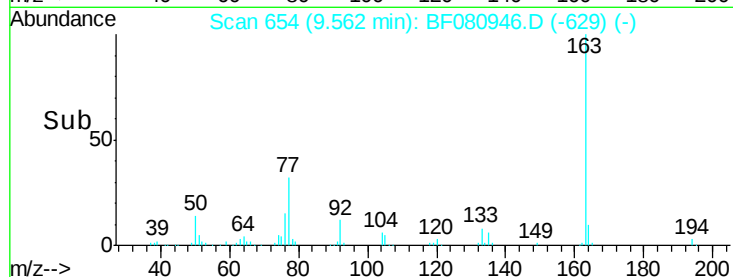
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

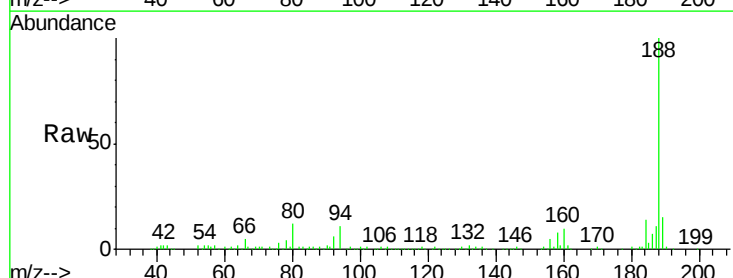
Tgt Ion:188 Resp: 195790

Ion Ratio Lower Upper

188 100

94 10.5 8.8 13.2

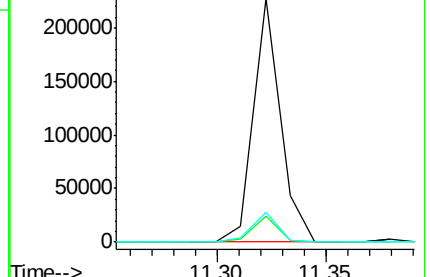
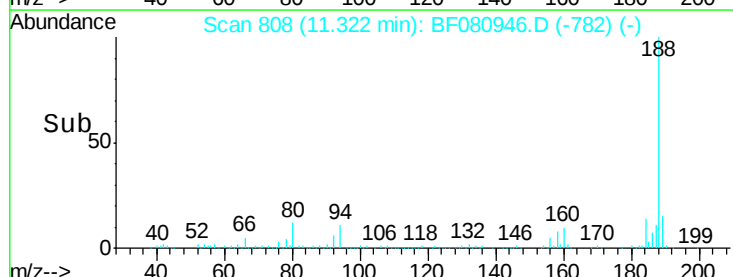
80 12.0 9.5 14.3

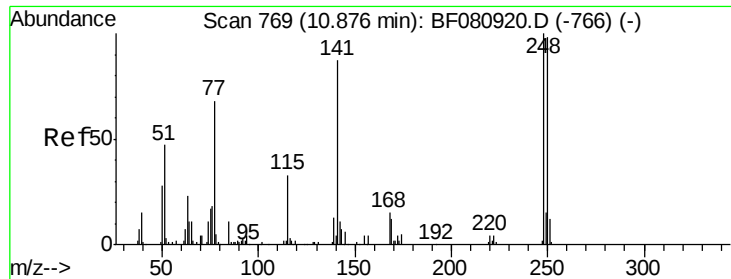


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

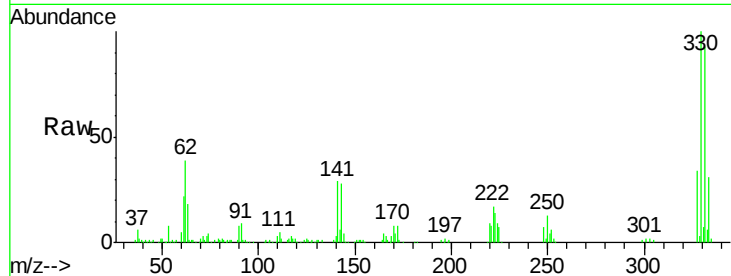




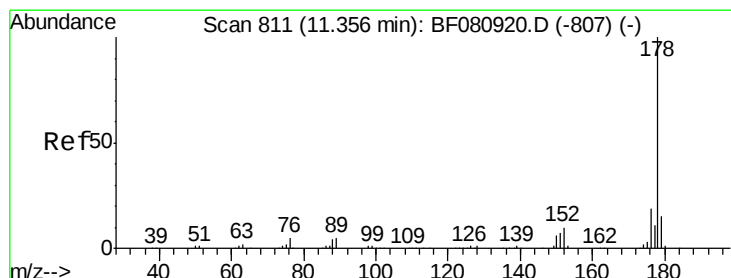
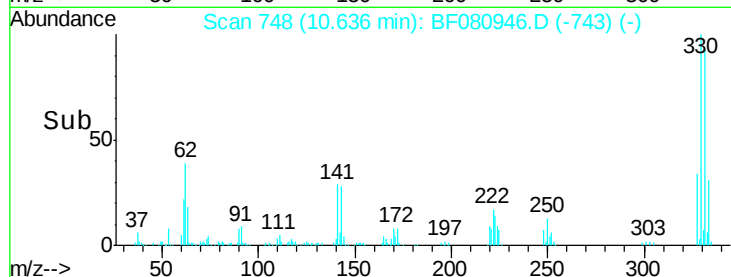
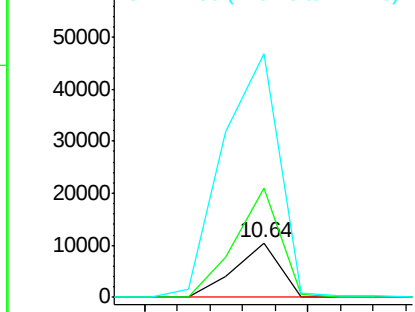
#66
4-Bromophenyl-phenylether
Concen: 4.79 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.24 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9931
Ion Ratio Lower Upper
248 100
250 200.3 78.1 117.1#
141 444.9 69.6 104.4#

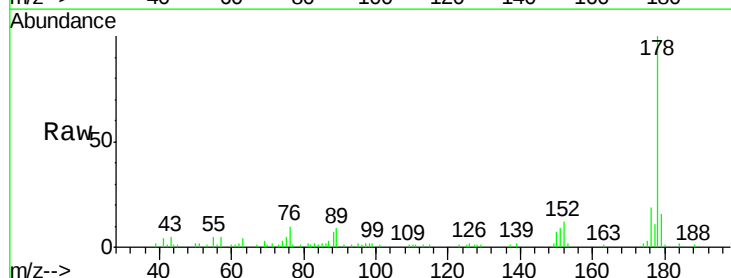


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

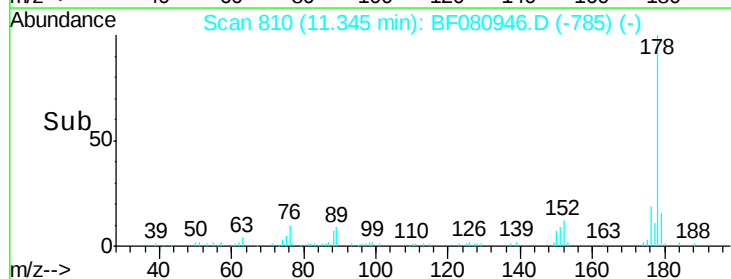
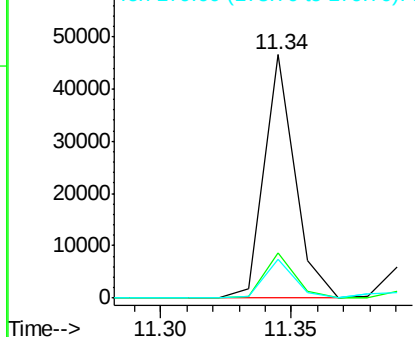


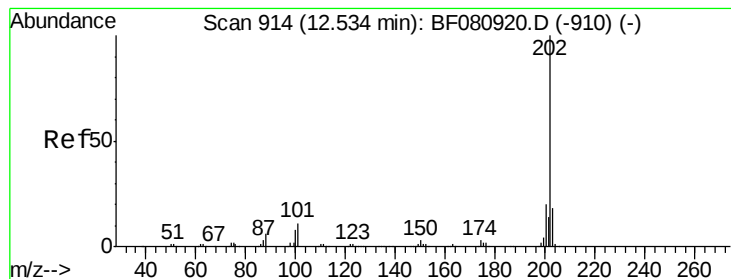
#70
Phenanthrene
Concen: 3.43 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion:178 Resp: 38019
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.0 11.9 17.9



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: 9.73 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

ClientSampleId :

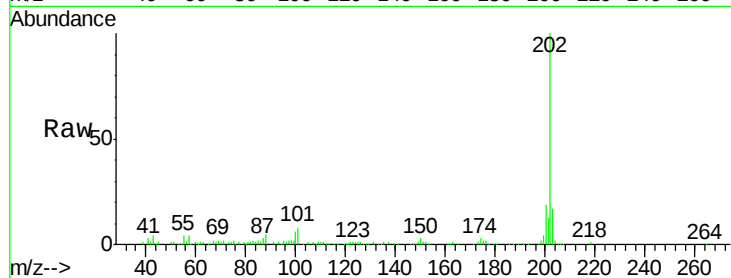
Tot Ion:202 Resp: 116638

Ion Ratio Lower Upper

202 100

101 8.2 0.0 30.5

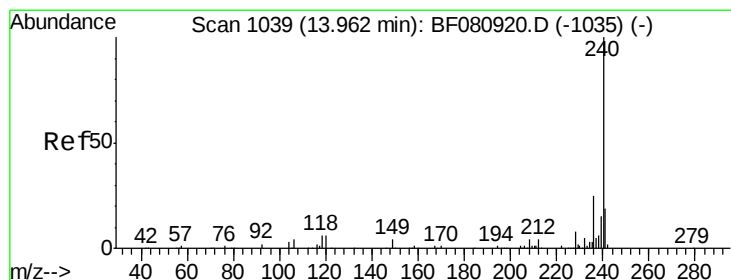
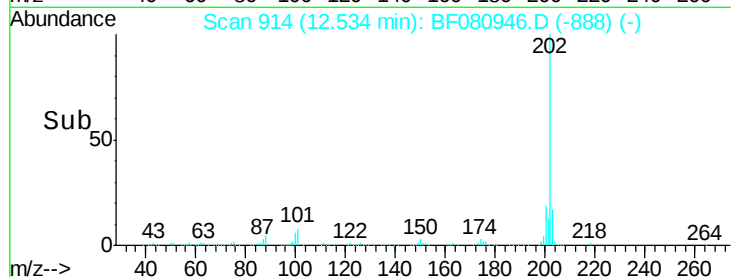
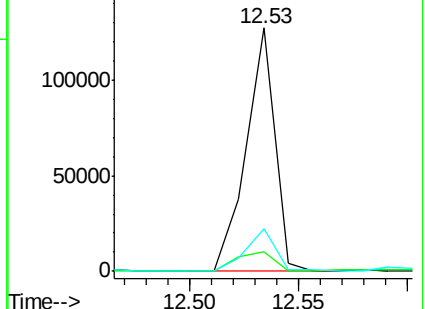
203 17.4 0.0 37.7



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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

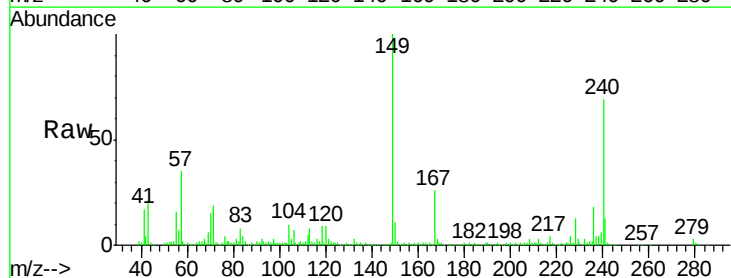
Tgt Ion:240 Resp: 124126

Ion Ratio Lower Upper

240 100

120 13.7 5.2 7.8#

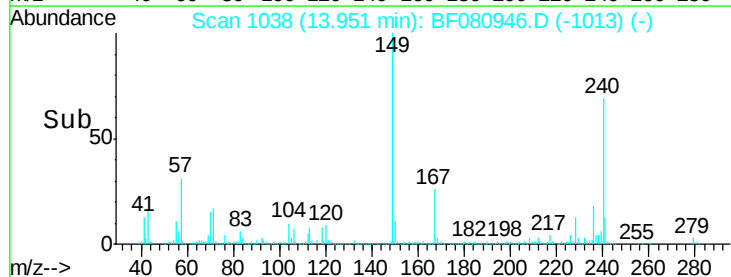
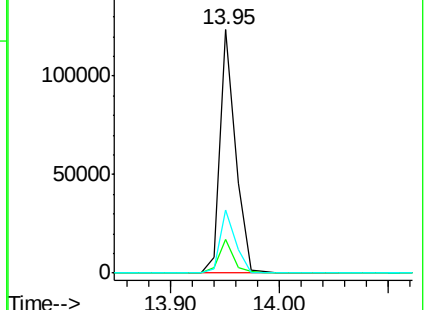
236 25.7 20.2 30.4

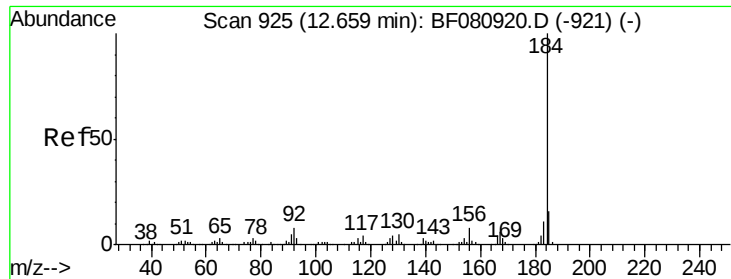


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

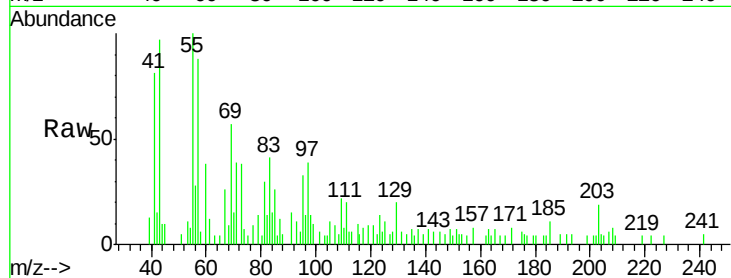




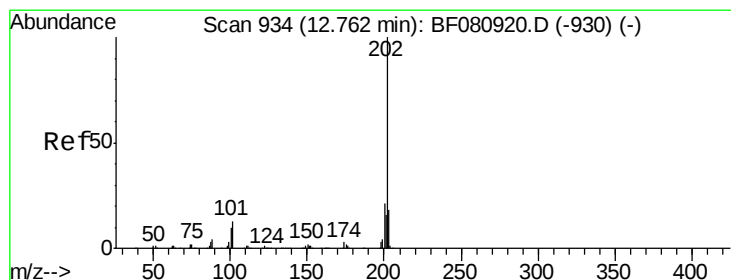
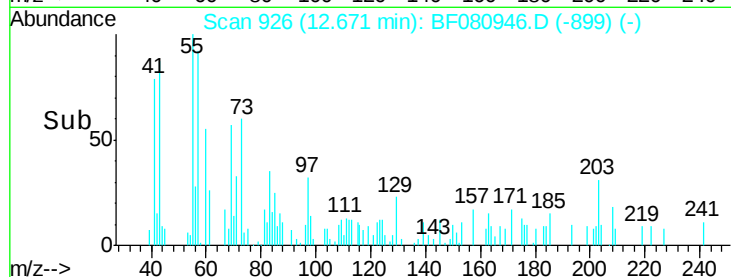
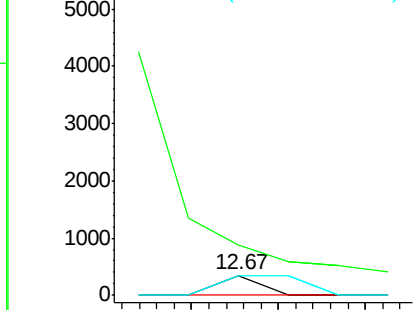
#76
Benzidine
Concen: 2.31 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 241
Ion Ratio Lower Upper
184 100
185 247.6 13.0 19.4#
183 100.3 8.7 13.1#

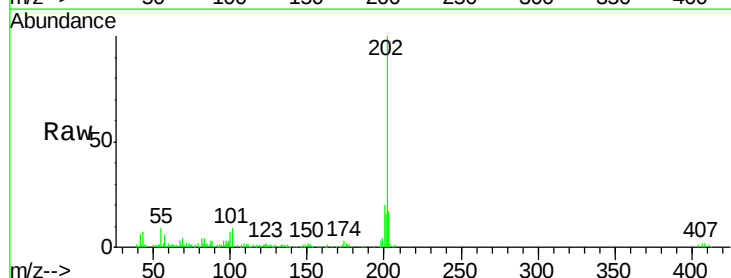


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

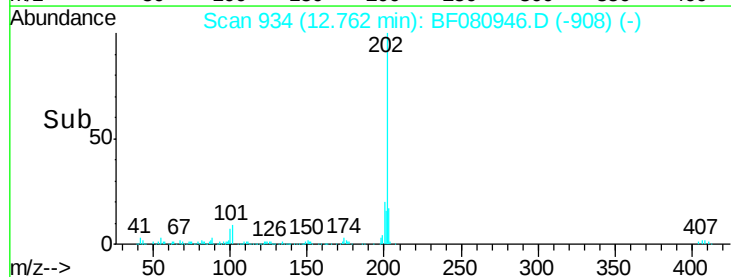
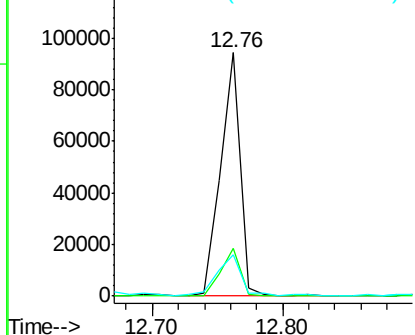


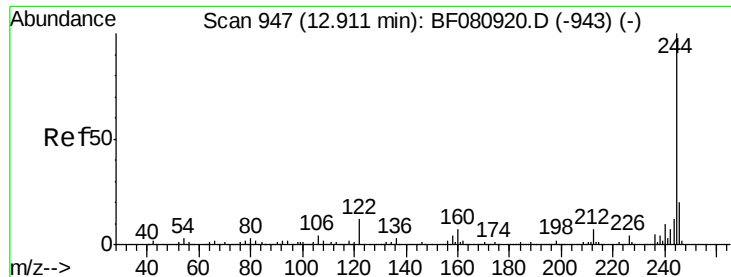
#77
Pyrene
Concen: 10.86 ng
RT: 12.76 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion:202 Resp: 99564
Ion Ratio Lower Upper
202 100
200 19.5 16.6 24.8
203 17.1 14.2 21.2



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

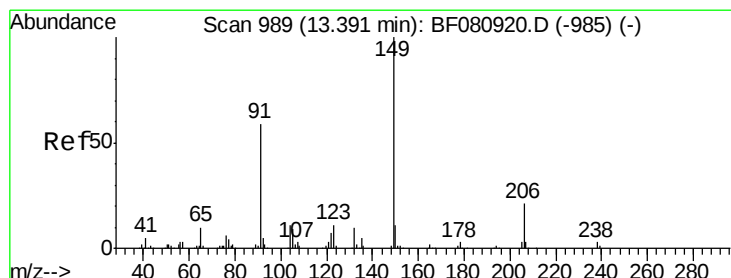
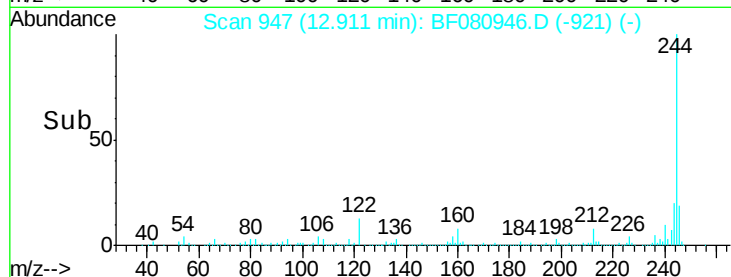
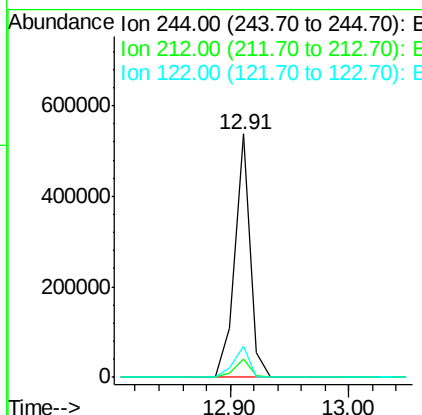
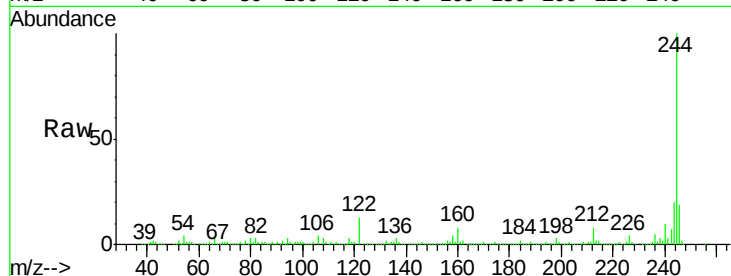




#78
 Terphenyl-d14
 Concen: 80.54 ng
 RT: 12.91 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

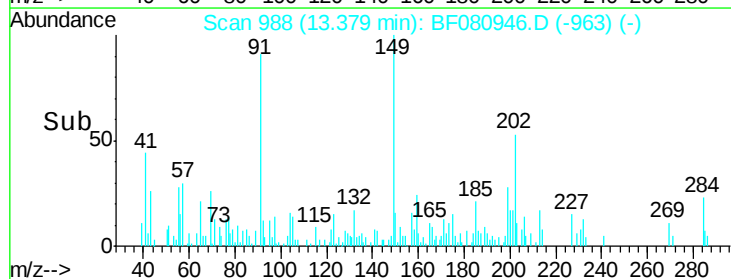
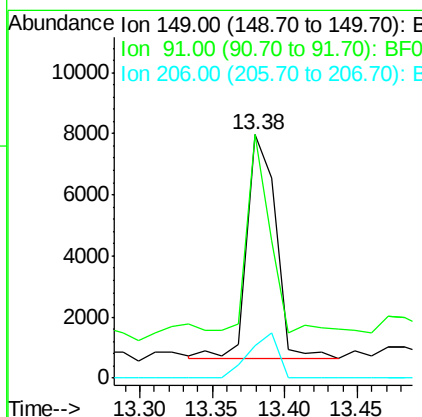
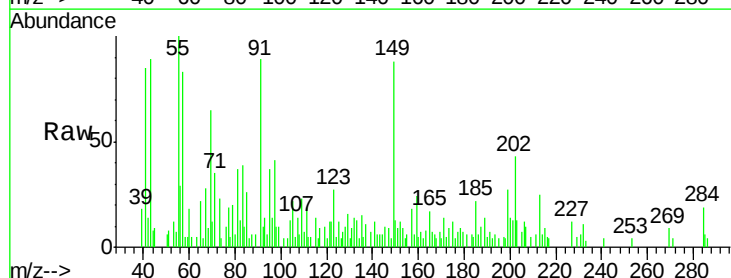
Instrument :
 BNA_F
 ClientSampleId :

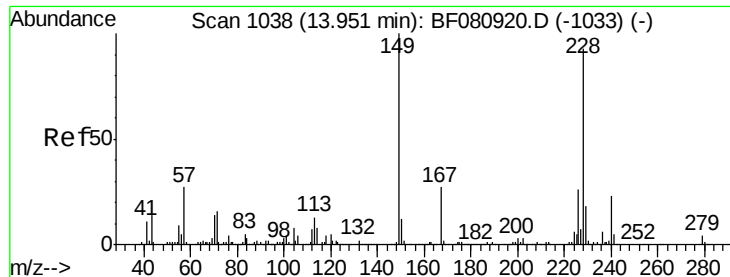
Tot Ion:244 Resp: 483987
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 12.8 9.4 14.2



#79
 Butylbenzylphthalate
 Concen: 2.29 ng
 RT: 13.38 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Tgt Ion:149 Resp: 10113
 Ion Ratio Lower Upper
 149 100
 91 100.1 47.2 70.8#
 206 13.1 16.5 24.7#





#80

Benzo(a)anthracene

Concen: 7.23 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

ClientSampleId :

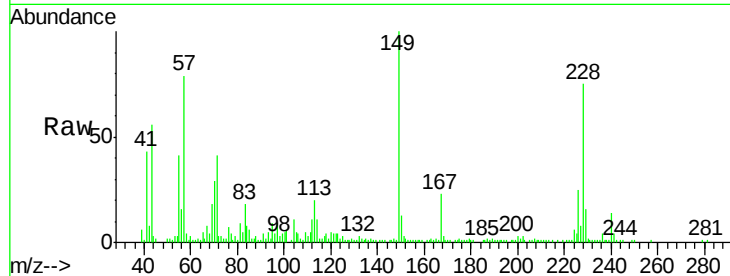
Tot Ion:228 Resp: 56677

Ion Ratio Lower Upper

228 100

226 32.9 22.2 33.2

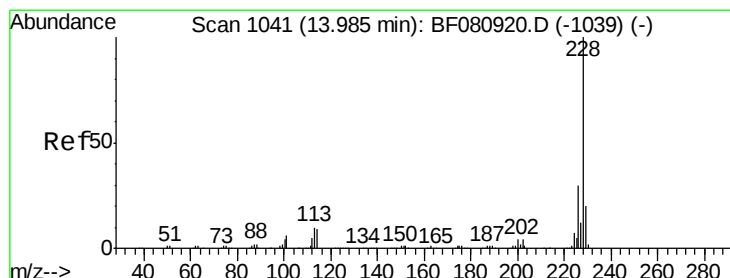
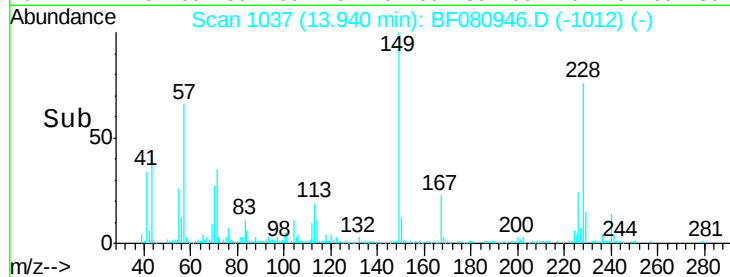
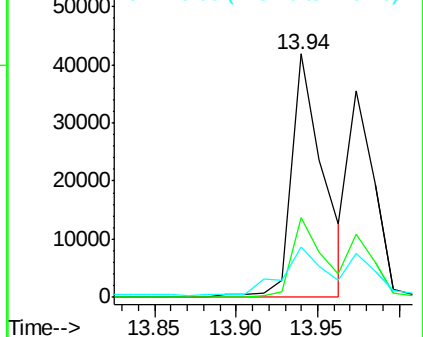
229 20.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 7.55 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

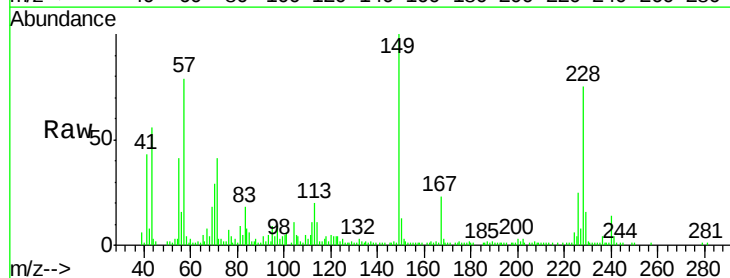
Tgt Ion:228 Resp: 56677

Ion Ratio Lower Upper

228 100

226 32.9 23.9 35.9

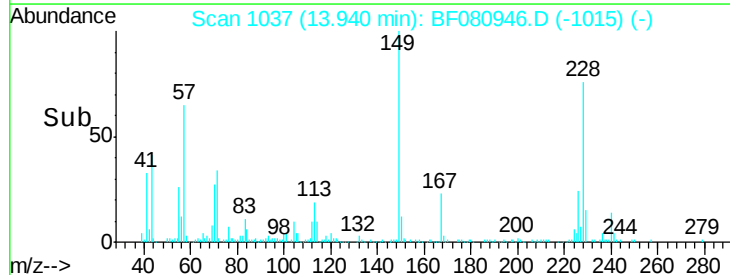
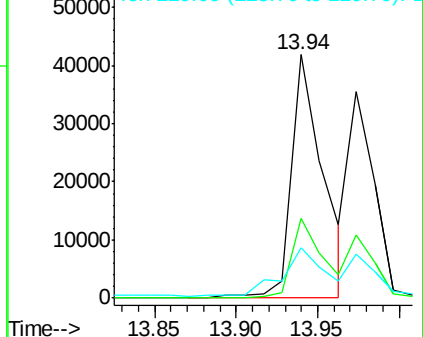
229 20.9 15.8 23.6

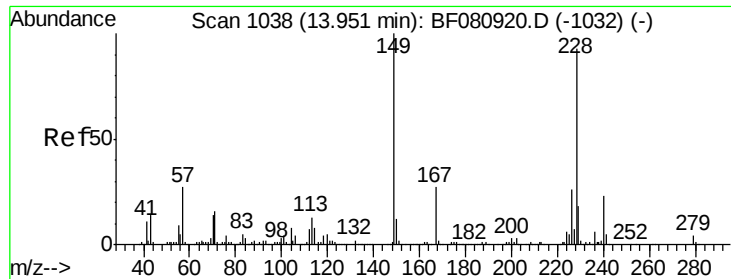


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

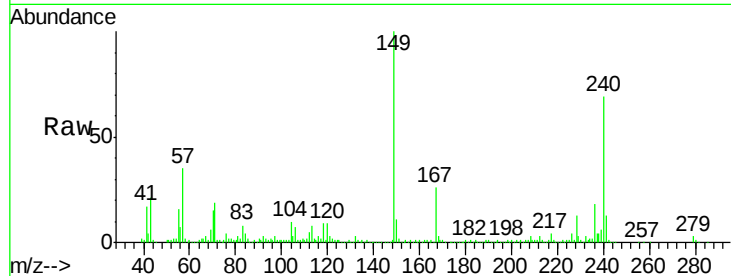




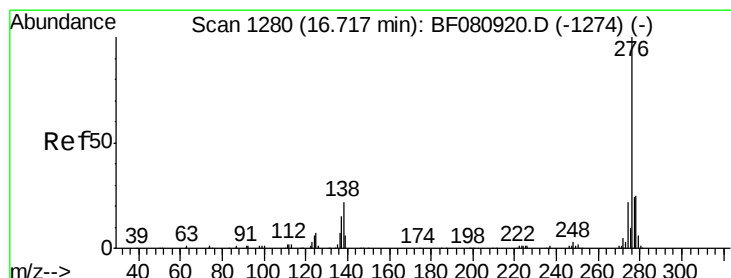
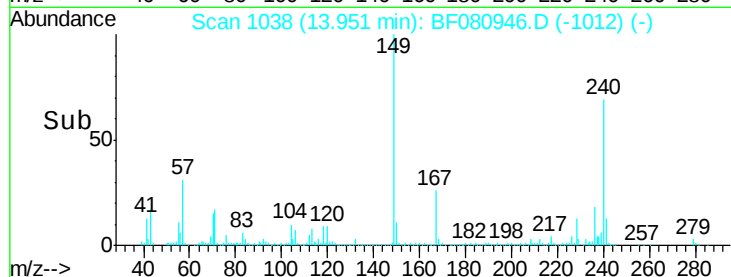
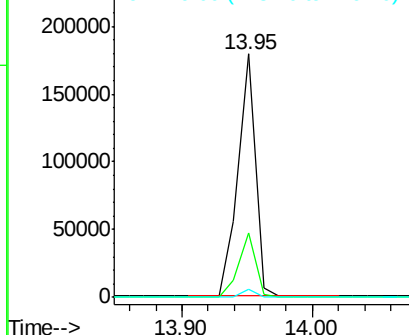
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 27.02 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	3.3	2.9	4.3

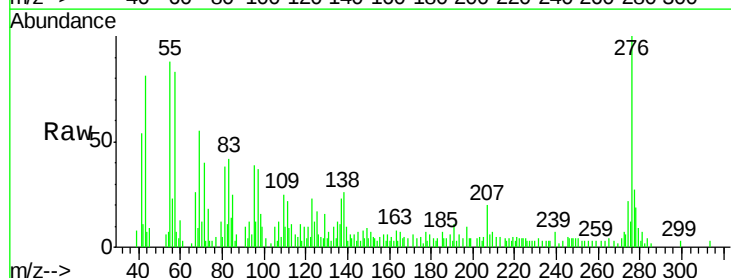


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

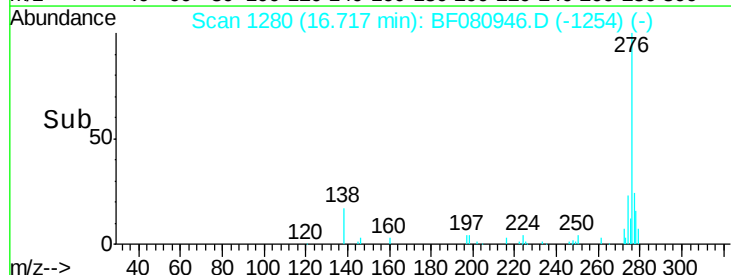
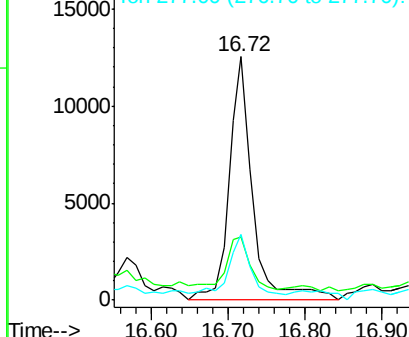


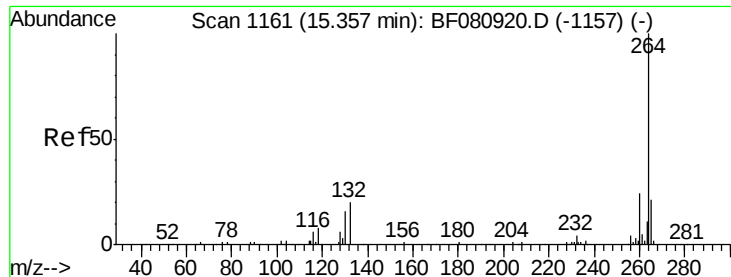
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.78 ng
 RT: 16.72 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.9	29.9
277	22.3	19.7	29.5



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

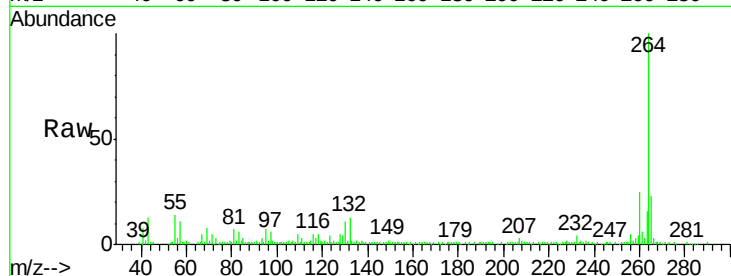




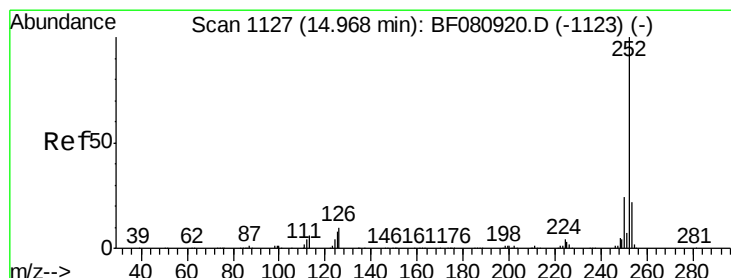
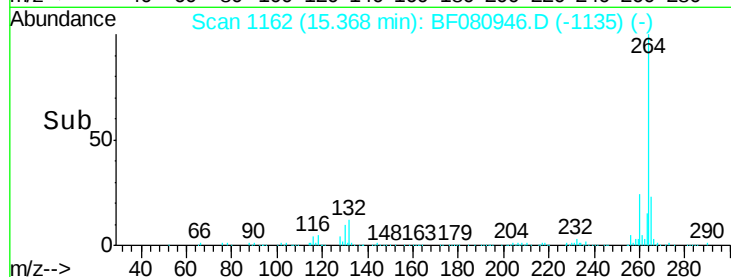
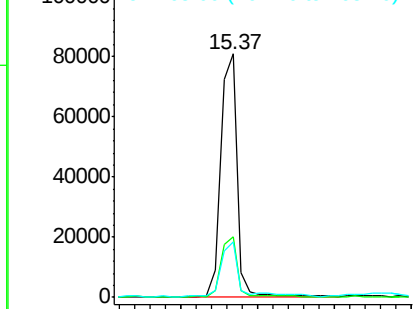
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 122354
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.0
265 22.7 17.0 25.4

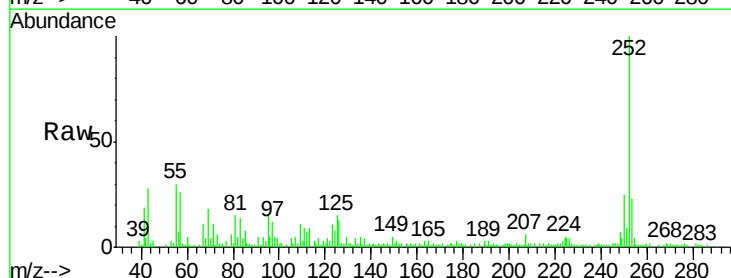


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

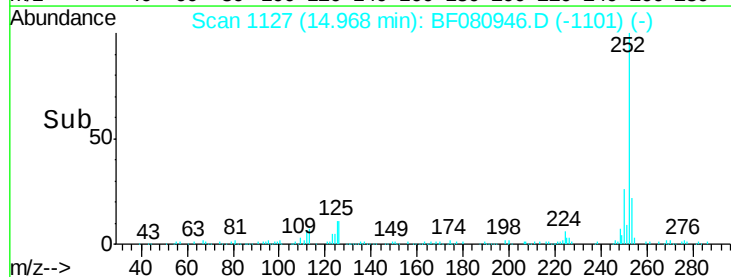
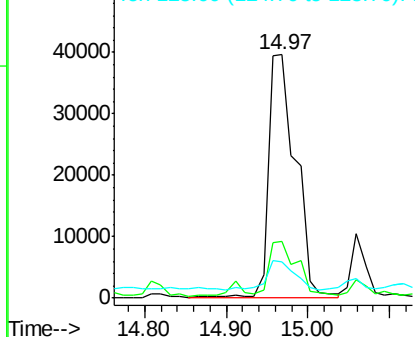


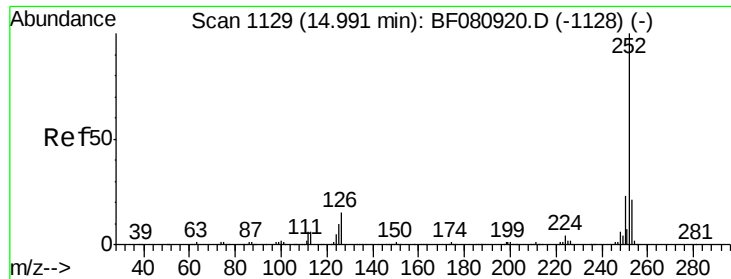
#87
Benzo(b)fluoranthene
Concen: 10.90 ng
RT: 14.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion:252 Resp: 92707
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 14.8 6.1 9.1#



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

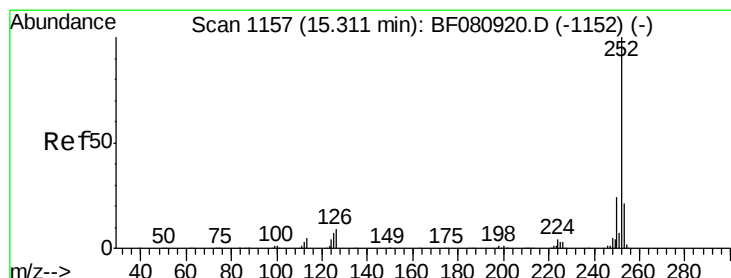
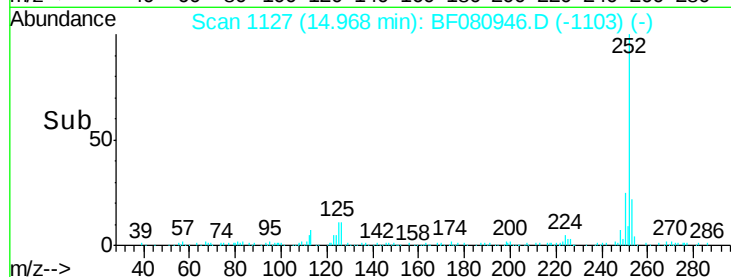
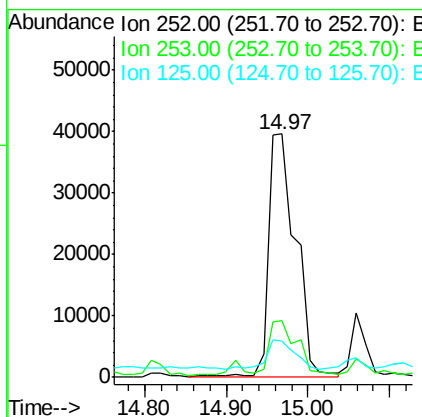
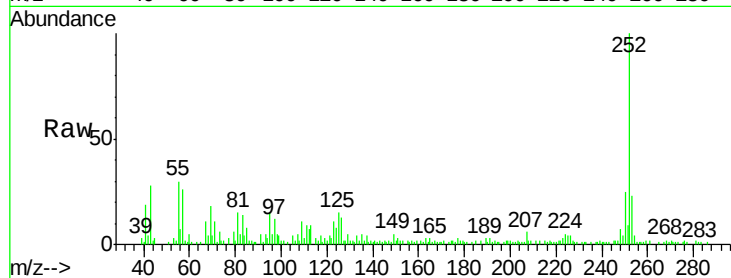




#88
Benzo(k)fluoranthene
Concen: 12.46 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

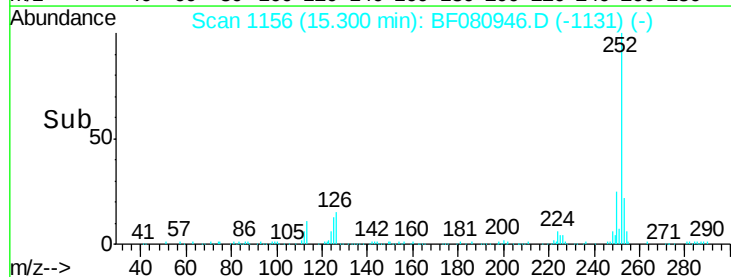
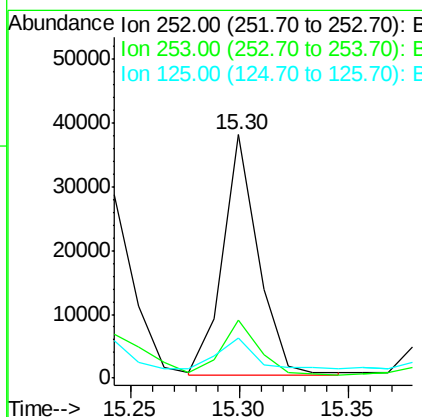
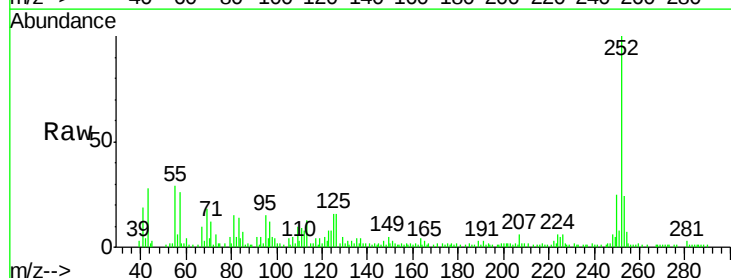
Instrument :
BNA_F
ClientSampled :

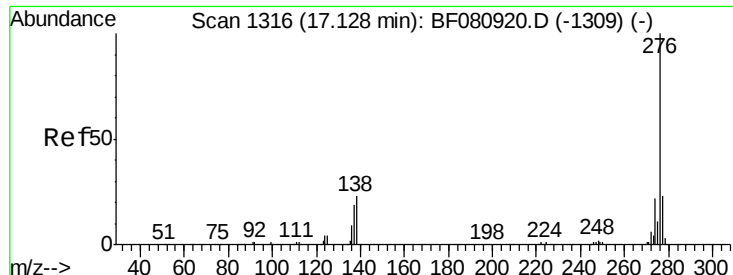
Tot Ion:252 Resp: 92707
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 14.8 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 5.84 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion:252 Resp: 42703
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 16.3 5.8 8.8#

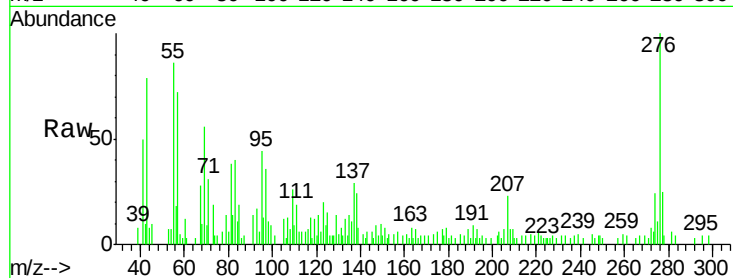




#91
 Benzo(a,h,i)perylene
 Concen: 3.82 ng
 RT: 17.13 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	24.1	18.4	27.6



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

