

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080928.D
 Acq On : 7 Aug 2015 15:50
 Operator : TP/UM
 Sample : G3083-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 08 01:58:30 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	48594	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	184714	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	92685	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	197226	20.00	ng	0.00
75) Chrysene-d12	13.96	240	178837	20.00	ng	0.00
86) Perylene-d12	15.37	264	161081	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.43	99	878	0.22	ng	-0.01
23) Nitrobenzene-d5	7.38	82	327503	83.87	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.17	172	596973	90.67	ng	0.00
78) Terphenyl-d14	12.91	244	720853	83.26	ng	0.00

Target Compounds

						Qvalue
12) 1,3-Dichlorobenzene	6.75	146	79730	21.83	ng	97
13) 1,4-Dichlorobenzene	6.75	146	79730	21.01	ng	99
14) 1,2-Dichlorobenzene	6.98	146	105156	30.65	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	214173	29.49	ng	99
18) Hexachloroethane	7.32	117	82245	56.56	ng	99
19) n-Nitroso-di-n-propylamine	7.22	70	105311	35.35	ng	97
24) Nitrobenzene	7.40	77	485078	120.65	ng	# 84
25) Isophorone	7.63	82	333589	44.42	ng	95
26) 2-Nitrophenol	7.63	139	4952	2.93	ng	# 51
28) bis(2-Chloroethoxy)methane	7.85	93	576106	127.79	ng	97
30) 1,2,4-Trichlorobenzene	8.04	180	322027	113.20	ng	96
31) Naphthalene	8.12	128	758070	74.46	ng	99
33) 4-Chloroaniline	8.12	127	100054	24.18	ng	# 31
34) Hexachlorobutadiene	8.24	225	73797	43.60	ng	99
40) Hexachlorocyclopentadiene	8.97	237	119337	76.54	ng	98
48) Acenaphthylene	9.71	152	1164911	108.04	ng	99
49) Dimethylphthalate	9.57	163	805204	104.58	ng	99
50) 2,6-Dinitrotoluene	9.64	165	113823	71.56	ng	87
51) Acenaphthene	9.88	154	642378	97.29	ng	98
54) Dibenzofuran	10.05	168	662842	74.24	ng	99
55) 4-Nitrophenol	10.05	139	274291	186.87	ng	# 15
56) 2,4-Dinitrotoluene	9.85	165	12182	5.72	ng	# 8
57) Fluorene	10.40	166	405930	58.77	ng	98
60) 4-Chlorophenyl-phenylether	10.40	204	468291	139.14	ng	# 86
61) 4-Nitroaniline	10.40	138	6961	3.45	ng	# 46
62) Azobenzene	10.50	77	49334	5.51	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	420996	61.44	ng	100
70) Phenanthrene	11.41	178	1491803	133.58	ng	99
71) Anthracene	11.41	178	1491803	134.93	ng	100
73) Di-n-butylphthalate	11.89	149	597469	44.39	ng	100
74) Fluoranthene	12.76	202	647676	53.65	ng	96
76) Benzidine	12.66	184	2473	2.48	ng	# 82
77) Pvrene	12.76	202	649455	49.16	ng	100
79) Butylbenzylphthalate	13.39	149	788097	123.74	ng	# 72

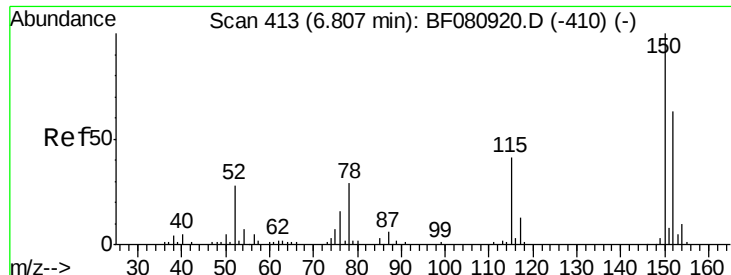
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	13.95	228	1139258	100.85	nq	99
81) 3,3'-Dichlorobenzidine	13.93	252	170229	41.43	nq	99
82) Chrysene	14.00	228	1535675	141.97	nq	98
84) Di-n-octyl phthalate	14.57	149	2131511	141.86	nq	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	1029347	100.00	nq	# 74
87) Benzo(b)fluoranthene	15.01	252	1932588	172.54	nq	# 98
88) Benzo(k)fluoranthene	15.01	252	1933416	197.31	nq	# 94
89) Benzo(a)pyrene	15.33	252	1494275	155.22	nq	97
90) Dibenzo(a,h)anthracene	16.79	278	1336081	156.91	nq	# 96
91) Benzo(a,h,i)perylene	17.12	276	117944	14.24	nq	98

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

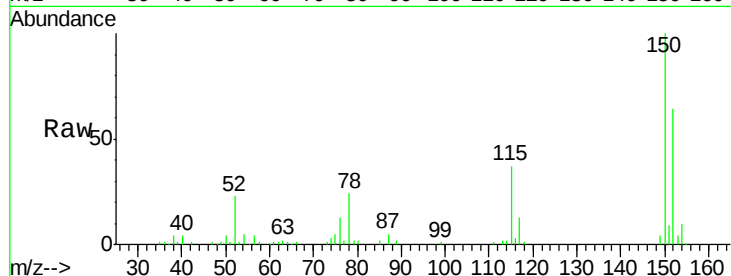


#1

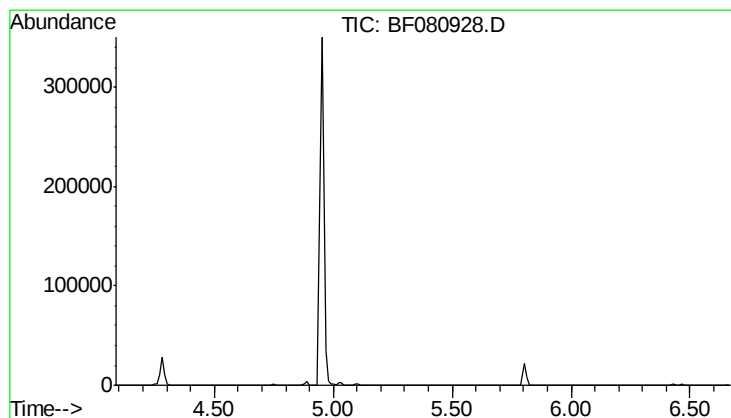
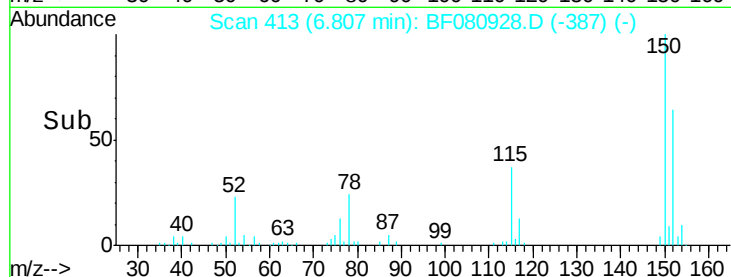
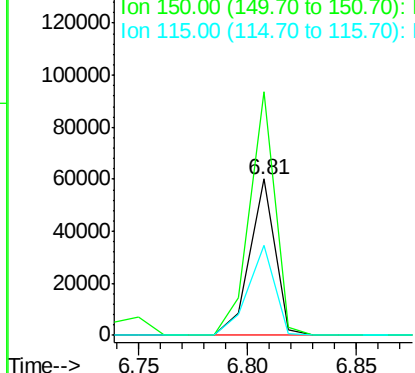
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 48594
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.2
115 58.0 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

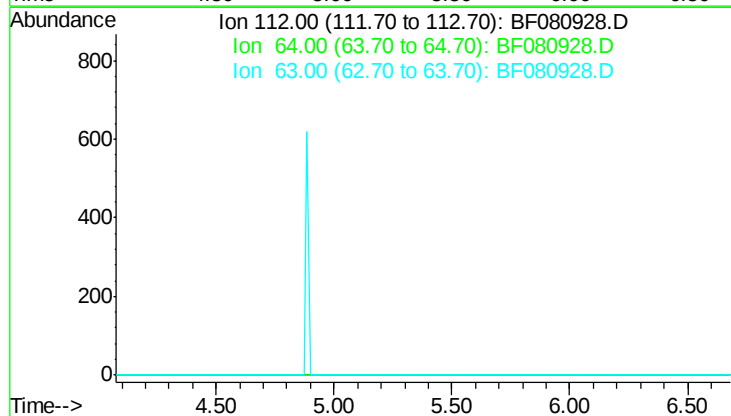


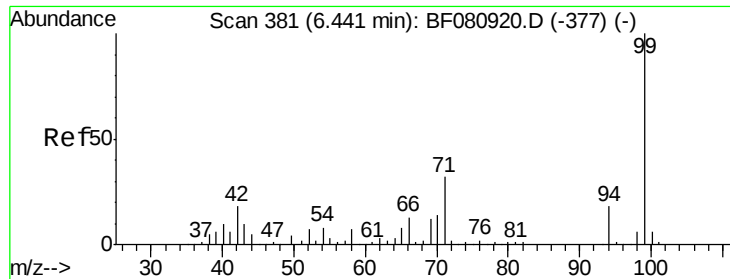
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.38 min

Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion: 112
Sig Exp Ratio
112 100
64 82.6
63 43.3





#7

Phenol-d6

Concen: 0.22 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampleId :

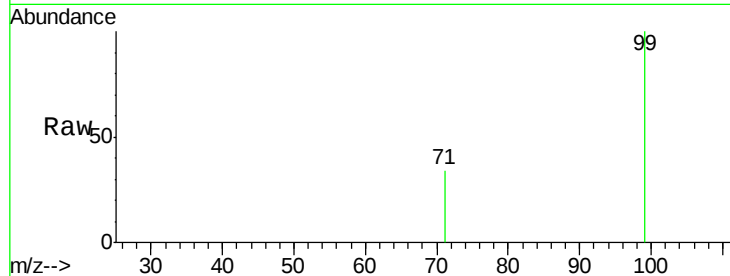
Tot Ion: 99 Resp: 878

Ion Ratio Lower Upper

99 100

42 0.0 14.4 21.6#

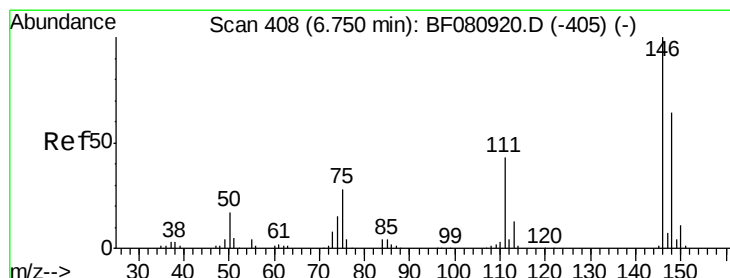
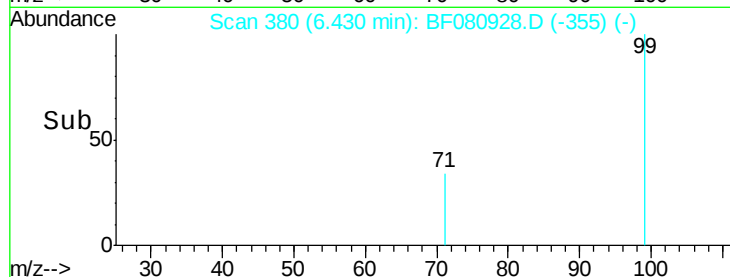
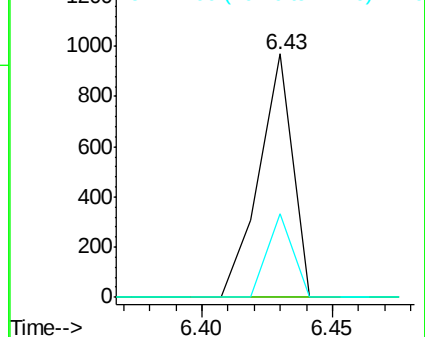
71 34.3 25.8 38.8



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



#12

1,3-Dichlorobenzene

Concen: 21.83 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

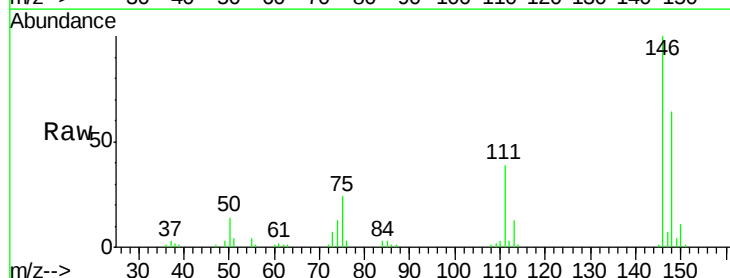
Tgt Ion: 146 Resp: 79730

Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.0

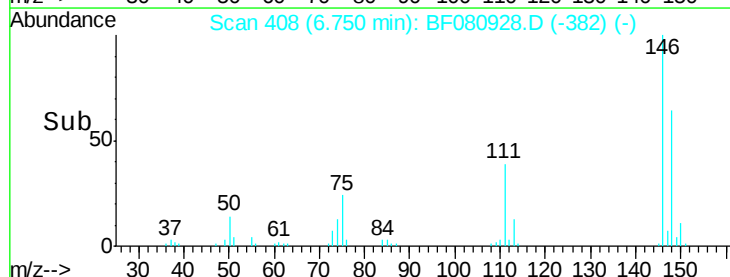
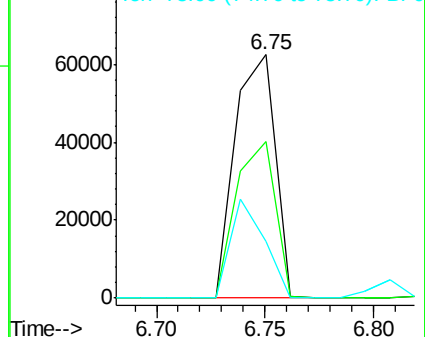
75 23.6 22.2 33.4

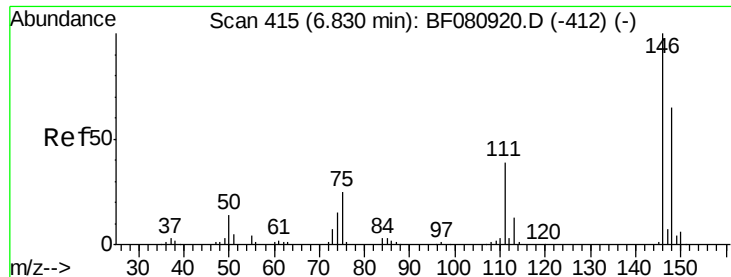


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

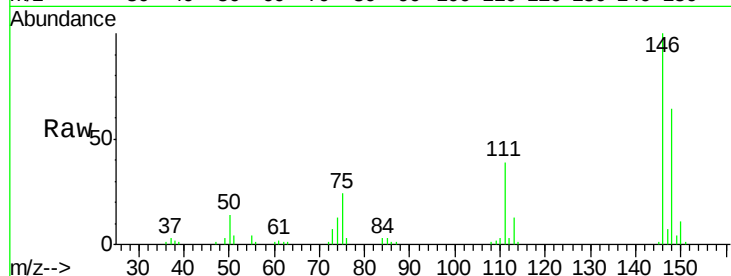




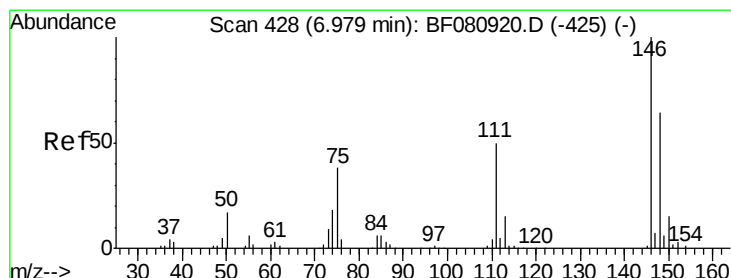
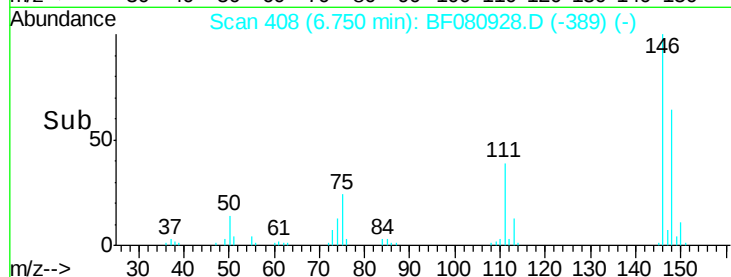
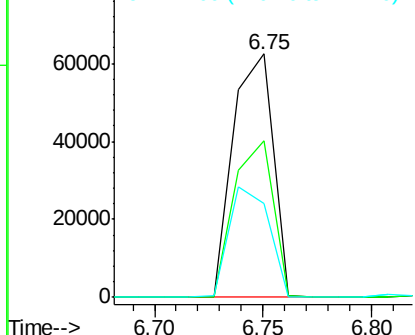
#13
 1,4-Dichlorobenzene
 Concen: 21.01 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.08 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:146 Resp: 79730
 Ion Ratio Lower Upper
 146 100
 148 64.3 52.2 78.4
 111 38.8 31.5 47.3

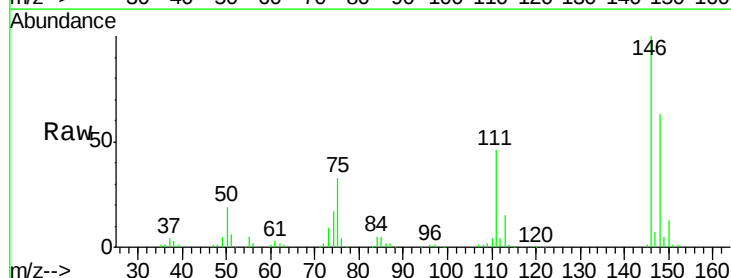


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

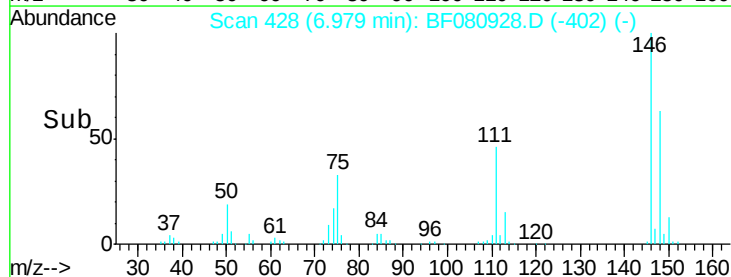
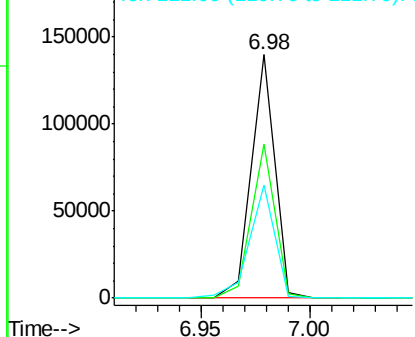


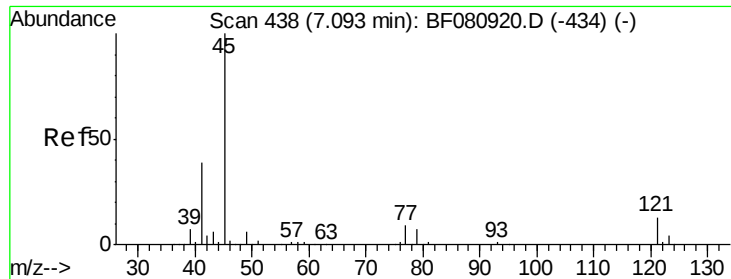
#14
 1,2-Dichlorobenzene
 Concen: 30.65 ng
 RT: 6.98 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Tgt Ion:146 Resp: 105156
 Ion Ratio Lower Upper
 146 100
 148 63.2 51.1 76.7
 111 46.3 40.0 60.0



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

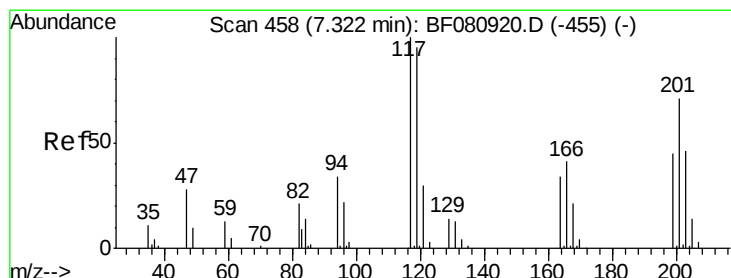
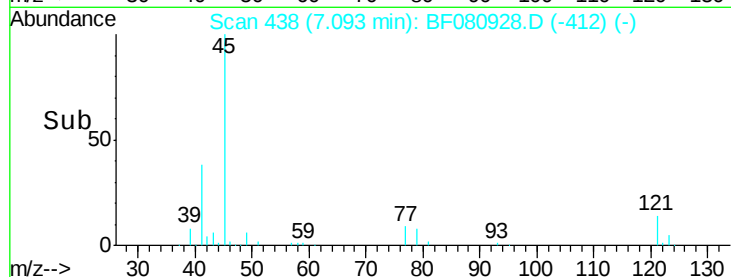
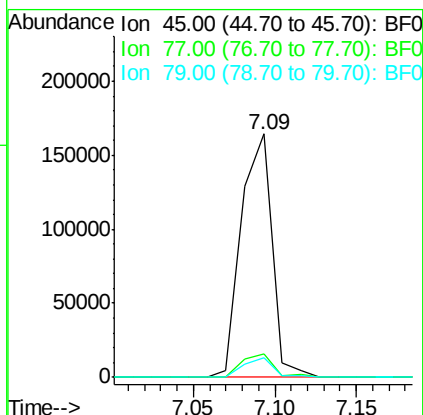
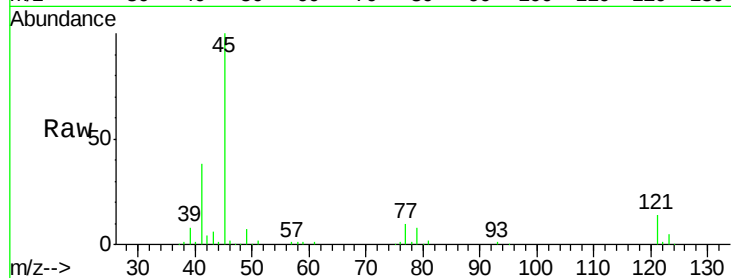




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 29.49 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

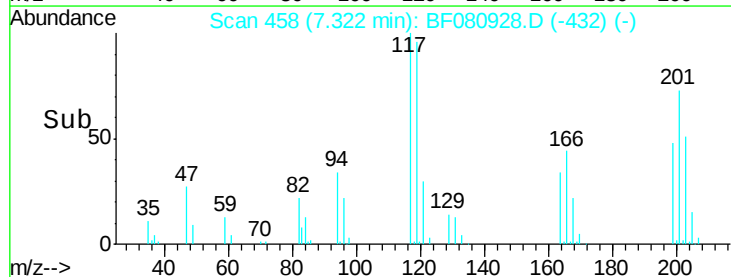
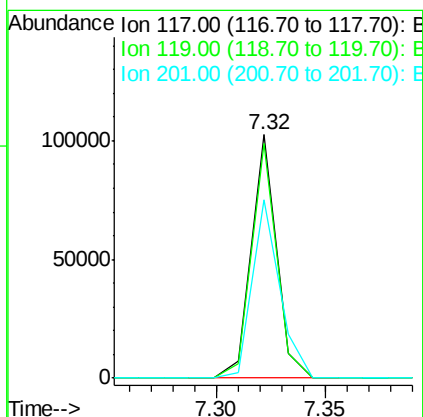
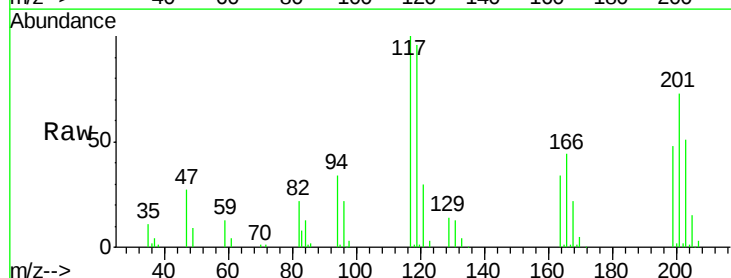
Instrument :
BNA_F
ClientSampleId :

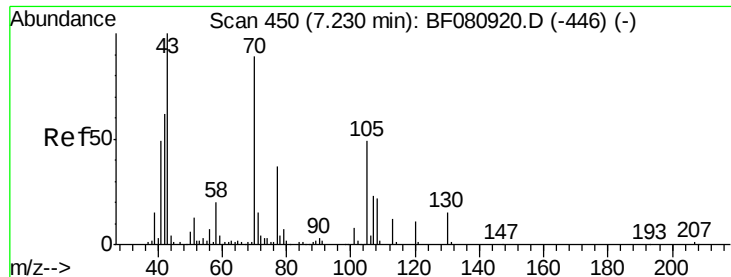
Tot Ion	Ratio	Lower	Upper
45	100		
77	9.8	0.0	29.6
79	8.3	0.0	27.7



#18
Hexachloroethane
Concen: 56.56 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.3	114.5
201	73.3	57.0	85.6

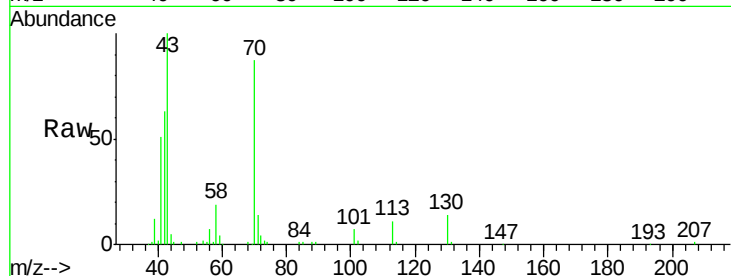




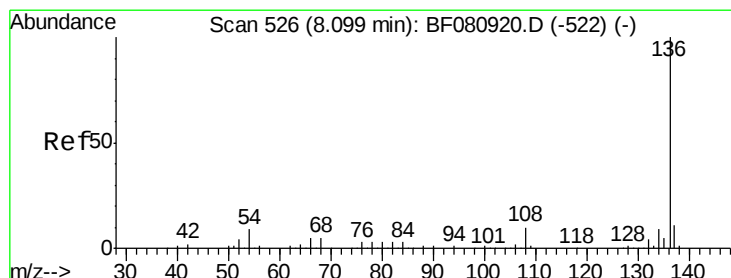
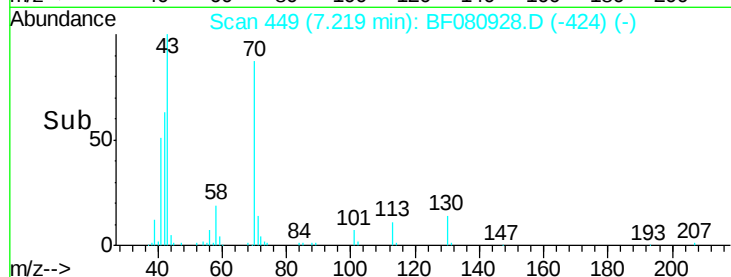
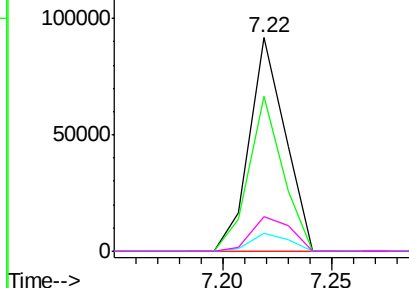
#19
n-Nitroso-di-n-propylamine
Concen: 35.35 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 105311
Ion Ratio Lower Upper
70 100
42 72.5 55.7 83.5
101 8.3 7.0 10.6
130 16.2 13.8 20.8

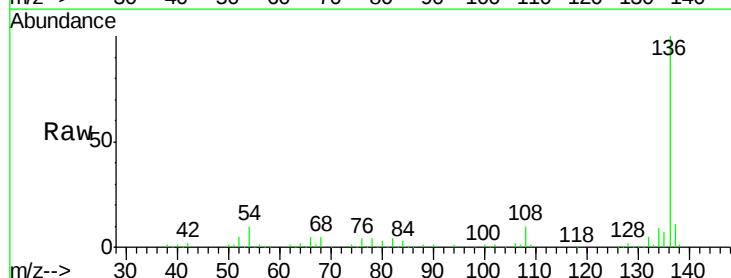


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

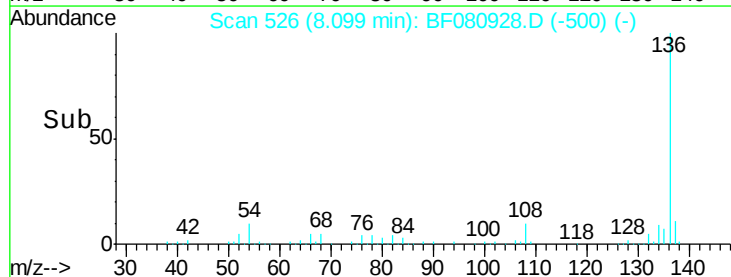
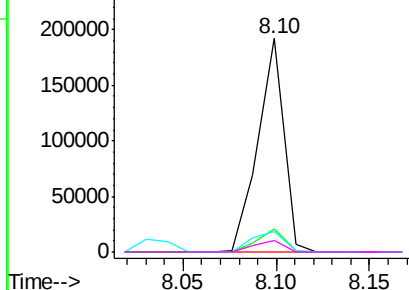


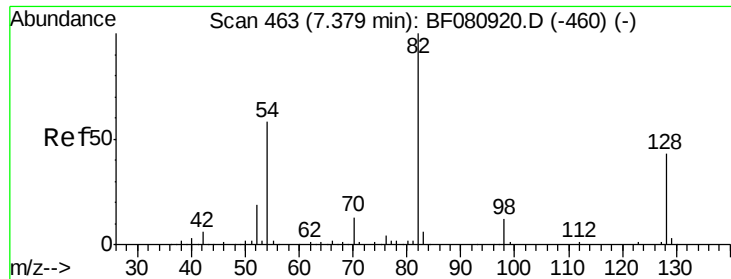
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion:136 Resp: 184714
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 9.9 7.1 10.7
68 5.4 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

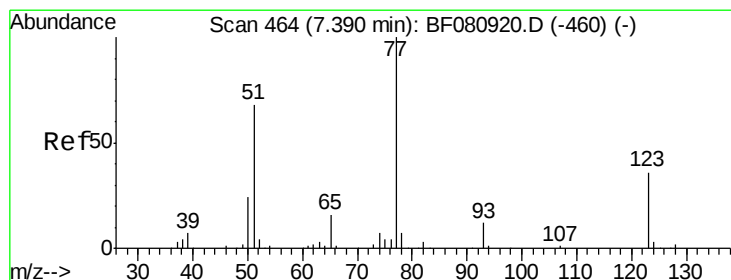
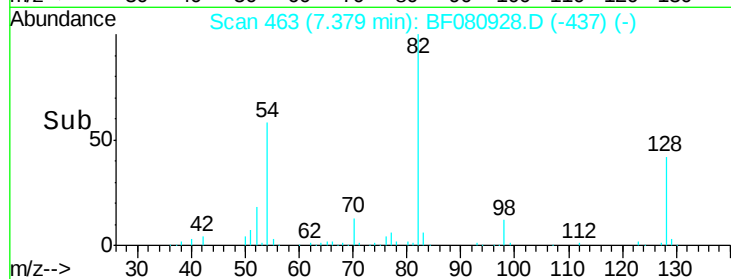
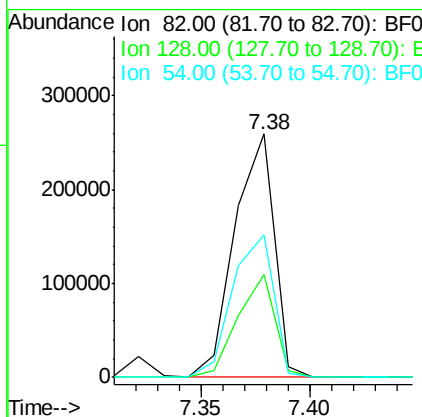
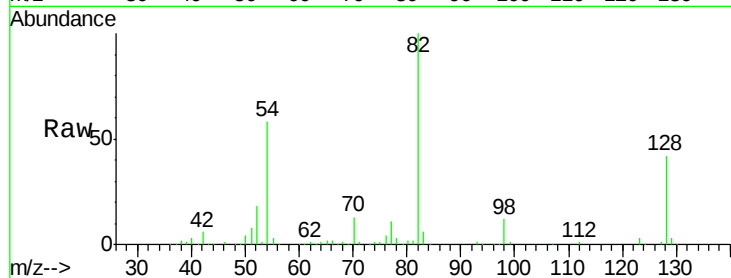




#23
 Nitrobenzene-d5
 Concen: 83.87 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

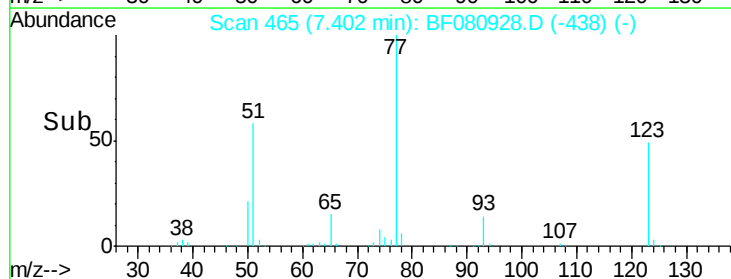
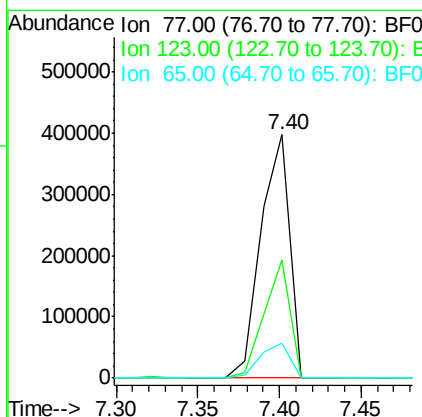
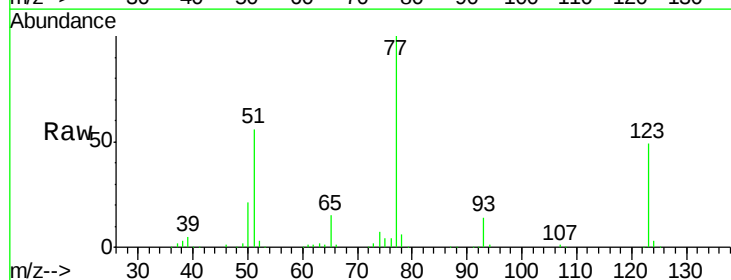
Instrument :
 BNA_F
 ClientSampleID :

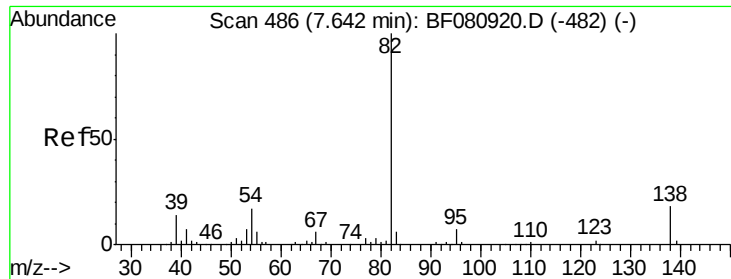
Tot Ion: 82 Resp: 327503
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.1 51.1
 54 58.4 46.5 69.7



#24
 Nitrobenzene
 Concen: 120.65 ng
 RT: 7.40 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Tgt Ion: 77 Resp: 485078
 Ion Ratio Lower Upper
 77 100
 123 48.7 28.7 43.1#
 65 14.6 12.5 18.7





#25

Isophorone

Concen: 44.42 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampleId :

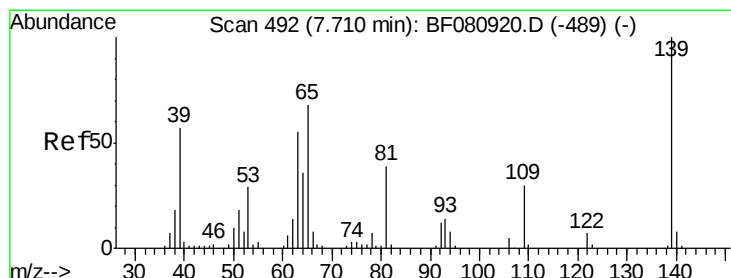
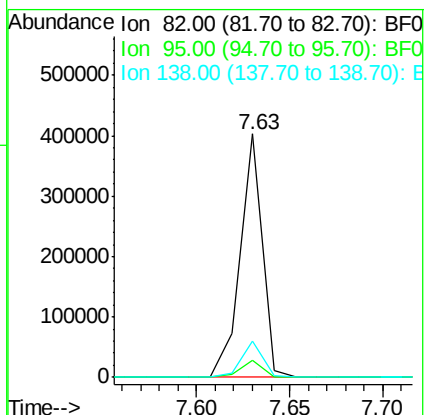
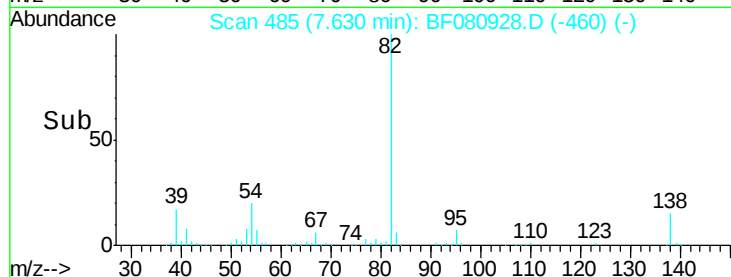
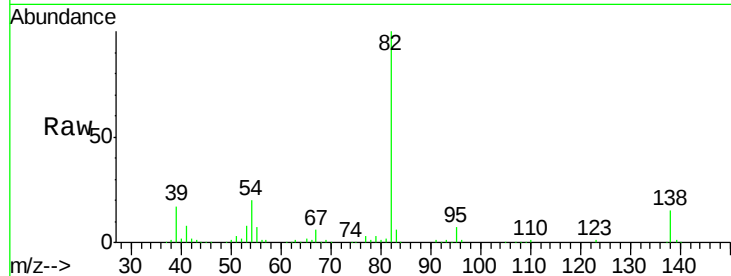
Tot Ion: 82 Resp: 333589

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

138 14.9 14.1 21.1



#26

2-Nitrophenol

Concen: 2.93 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.08 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

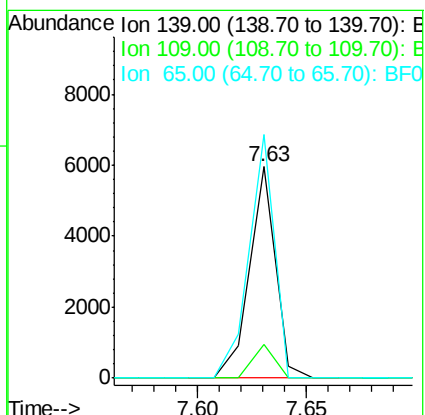
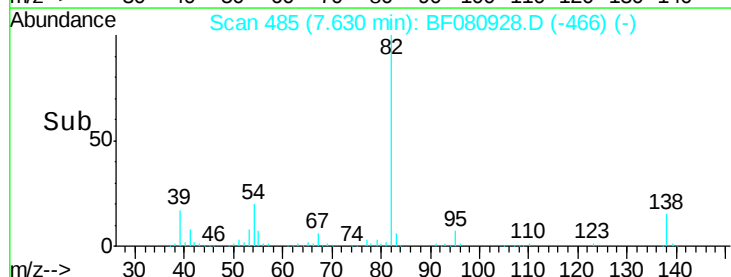
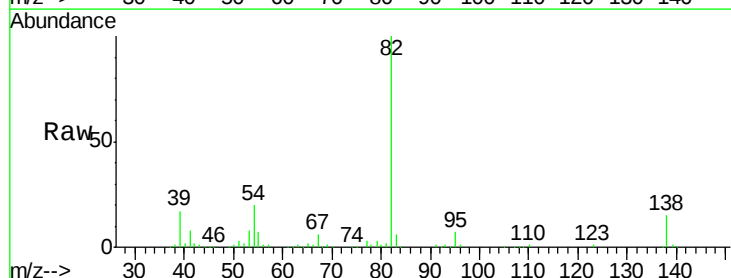
Tgt Ion: 139 Resp: 4952

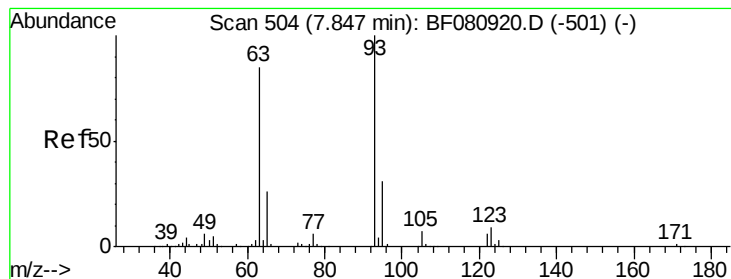
Ion Ratio Lower Upper

139 100

109 16.0 24.1 36.1#

65 115.2 54.0 81.0#





#28

bis(2-Chloroethoxy)methane

Concen: 127.79 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampled :

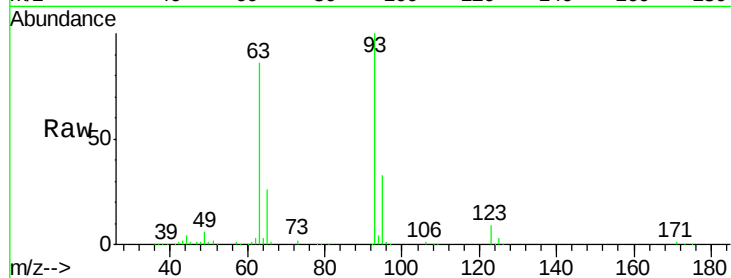
Tot Ion: 93 Resp: 576106

Ion Ratio Lower Upper

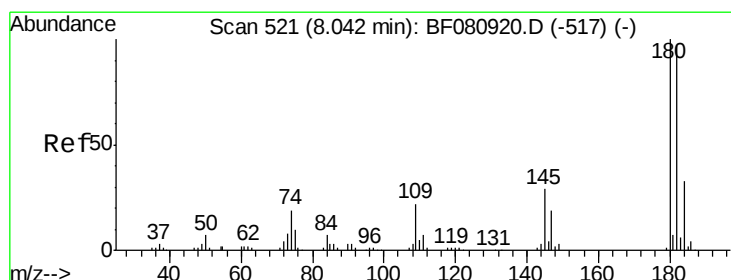
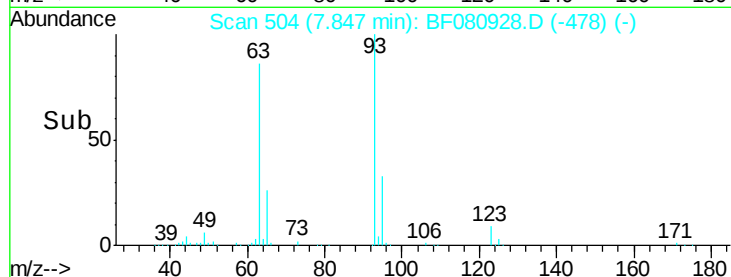
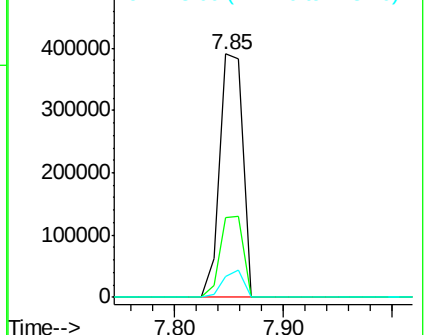
93 100

95 32.8 25.0 37.4

123 8.8 7.4 11.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 113.20 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

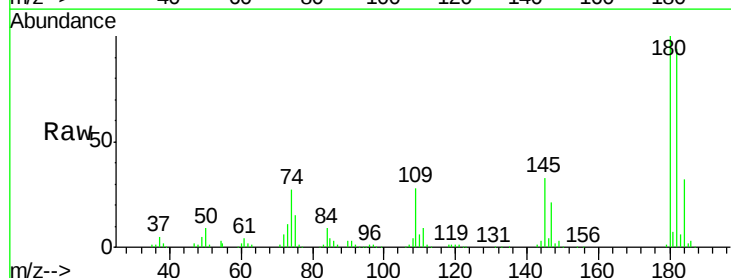
Tgt Ion:180 Resp: 322027

Ion Ratio Lower Upper

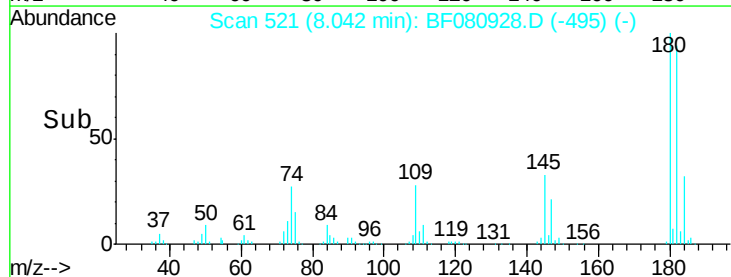
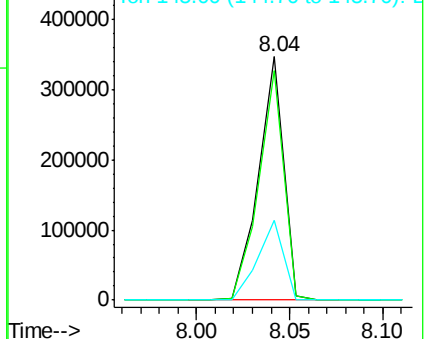
180 100

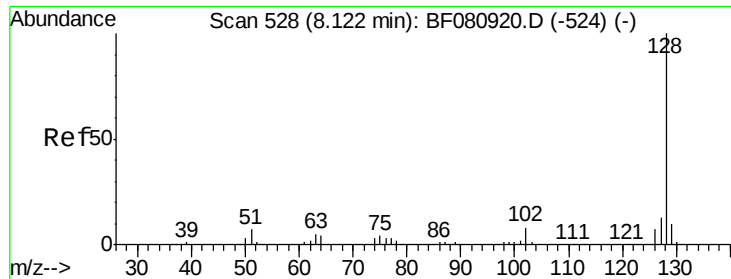
182 94.3 77.4 116.0

145 32.9 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

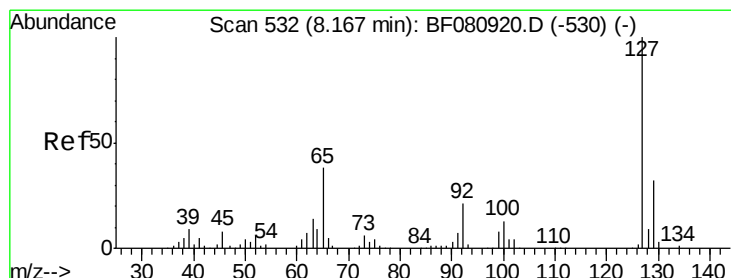
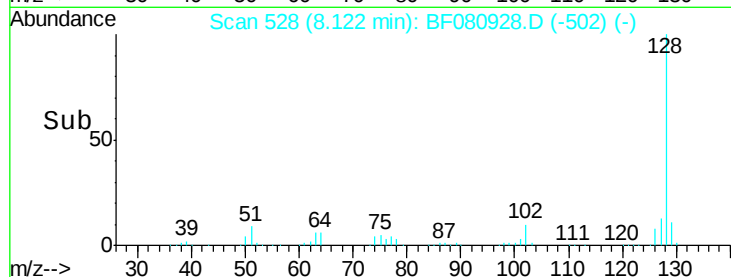
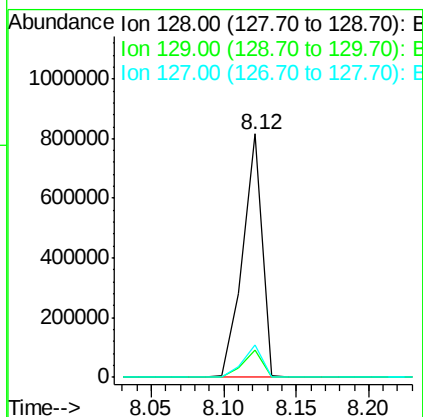
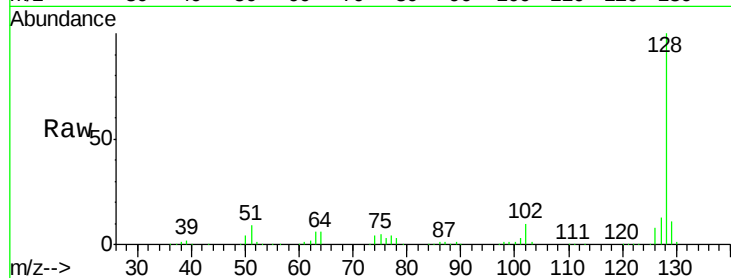




#31
Naphthalene
Concen: 74.46 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

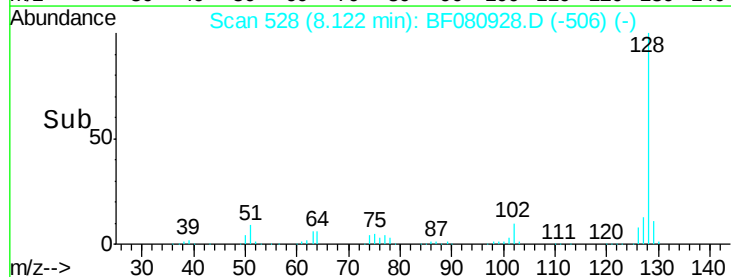
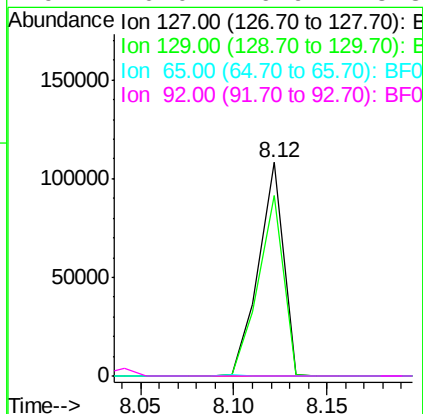
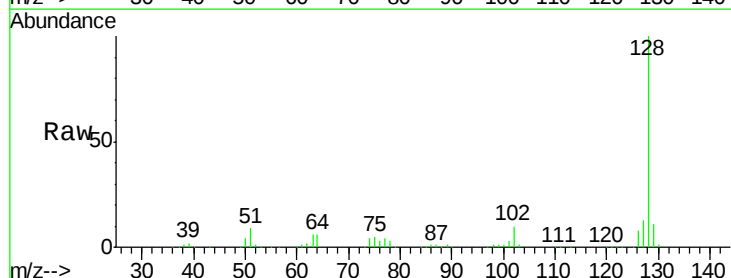
Instrument :
BNA_F
ClientSampleId :

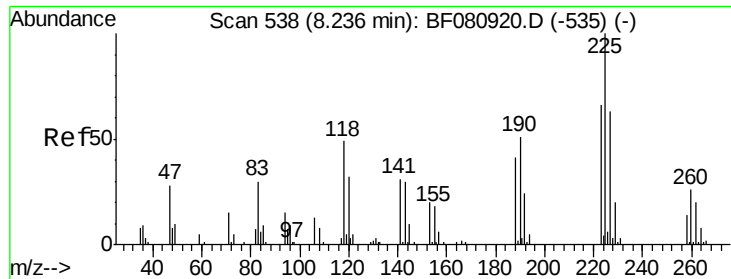
Tot Ion:128 Resp: 758070
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 13.3 10.5 15.7



#33
4-Chloroaniline
Concen: 24.18 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion:127 Resp: 100054
Ion Ratio Lower Upper
127 100
129 84.2 25.9 38.9#
65 0.0 30.6 45.8#
92 0.0 16.9 25.3#





#34

Hexachlorobutadiene

Concen: 43.60 ng

RT: 8.24 min Scan# 538

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampled :

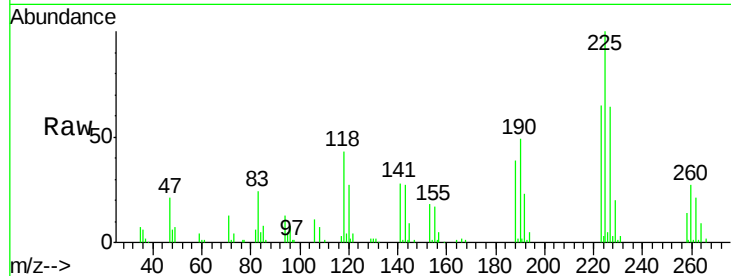
Tot Ion:225 Resp: 73797

Ion Ratio Lower Upper

225 100

223 64.6 52.5 78.7

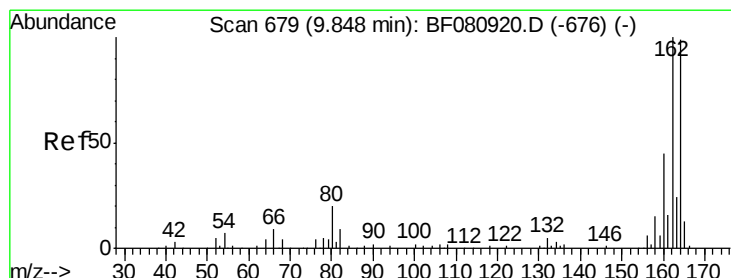
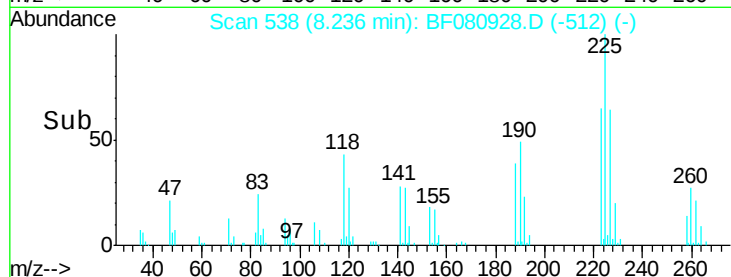
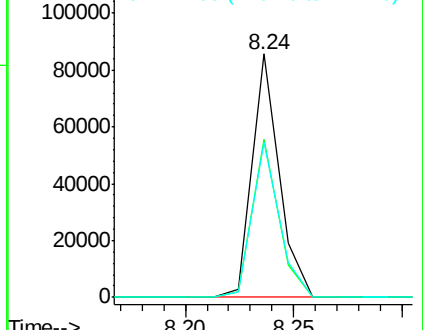
227 63.7 50.3 75.5



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

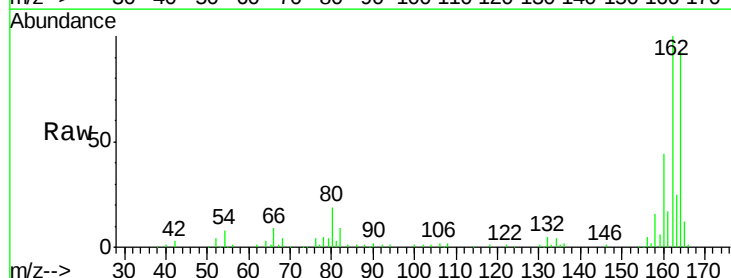
Tgt Ion:164 Resp: 92685

Ion Ratio Lower Upper

164 100

162 107.2 80.5 120.7

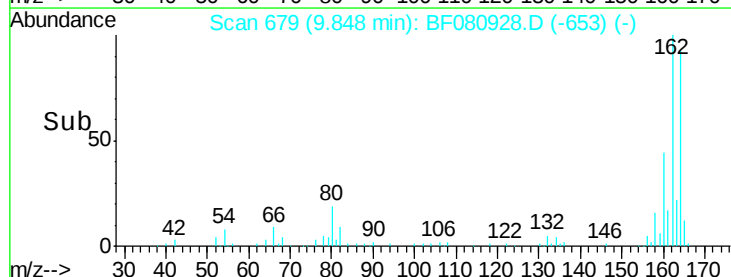
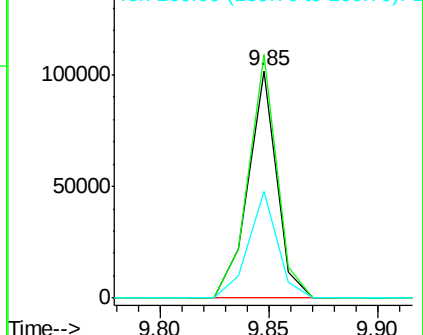
160 47.2 36.6 54.8

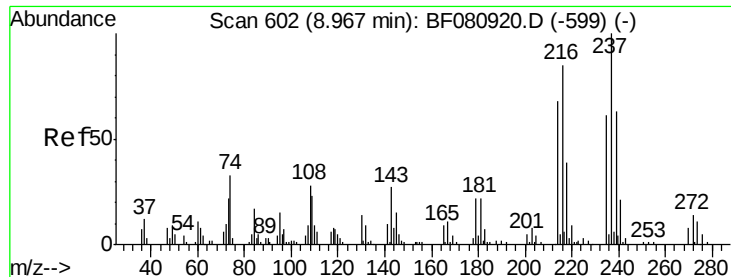


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

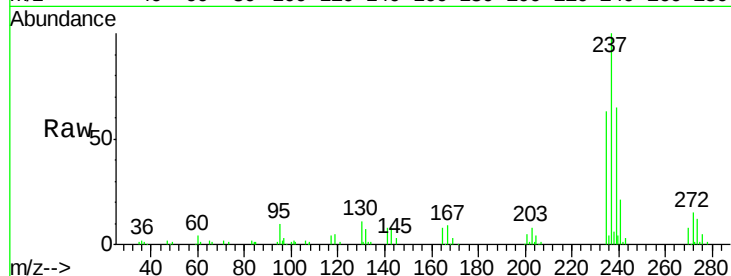




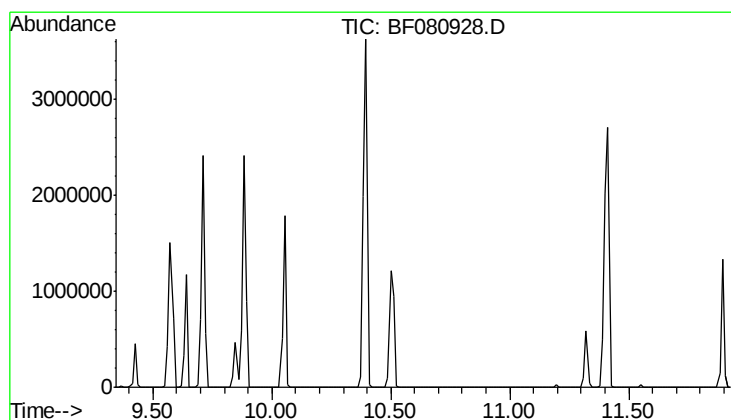
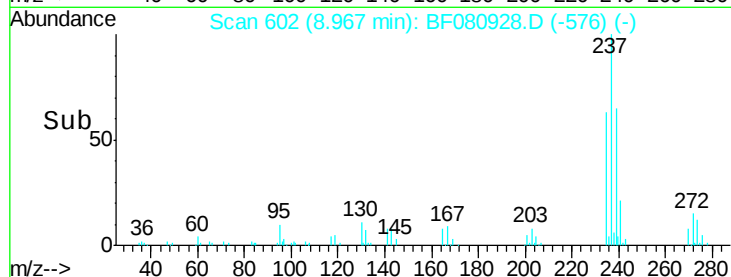
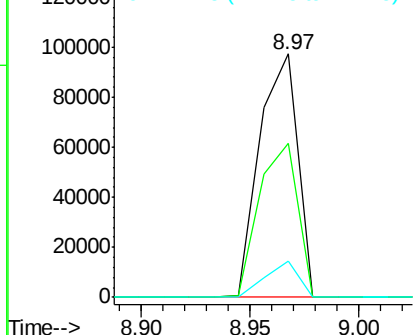
#40
Hexachlorocyclopentadiene
Concen: 76.54 ng
RT: 8.97 min Scan# 602
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 237 Resp: 119337
Ion Ratio Lower Upper
237 100
235 63.1 41.3 81.3
272 14.8 0.0 33.6



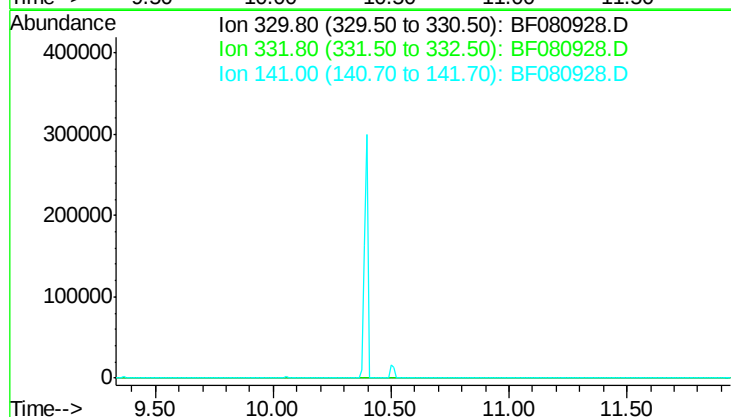
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

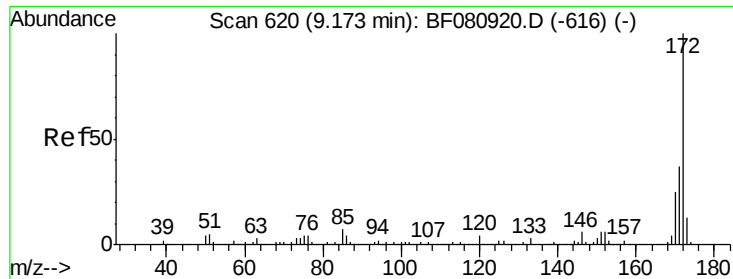


#41
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 10.64 min

Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion: 330
Sig Exp Ratio
330 100
332 95.3
141 34.8

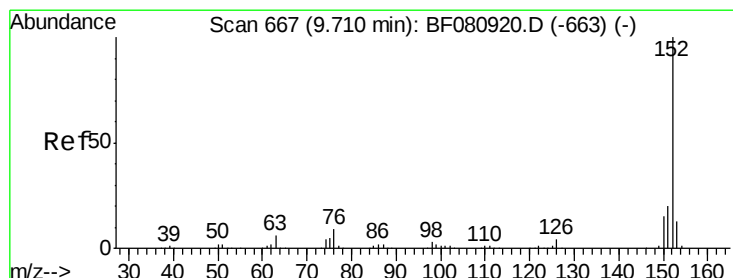
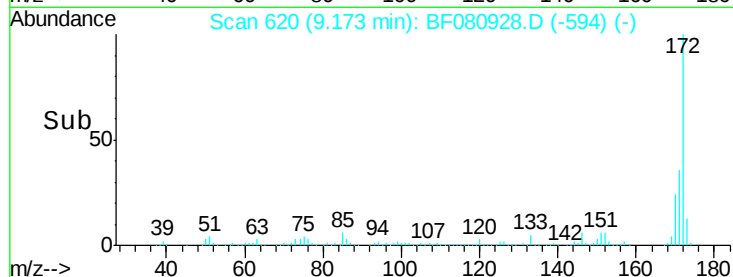
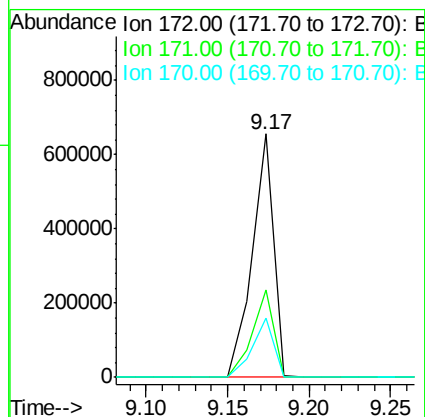
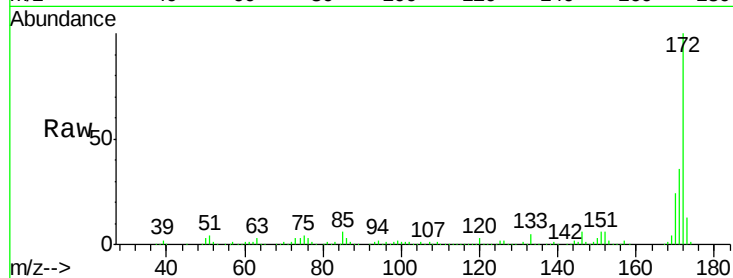




#44
 2-Fluorobiphenyl
 Concen: 90.67 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

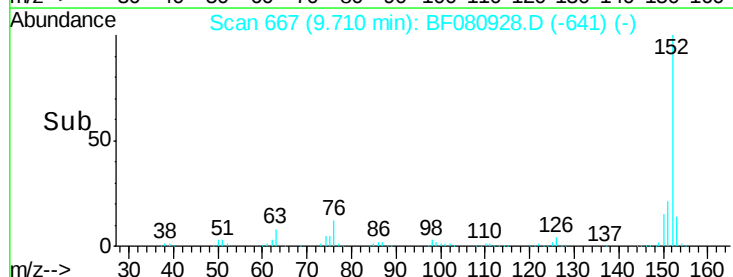
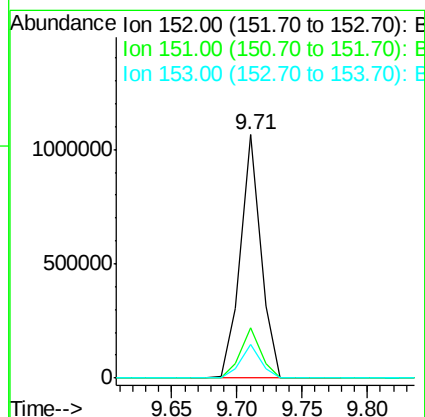
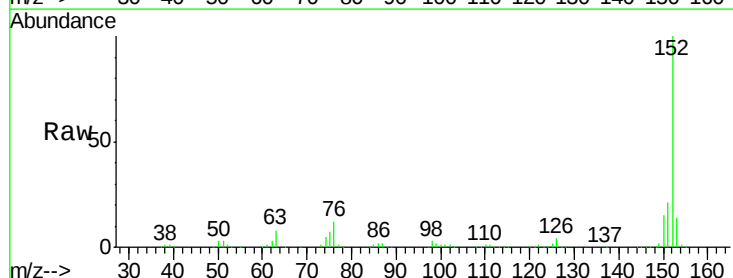
Instrument :
 BNA_F
 ClientSampleId :

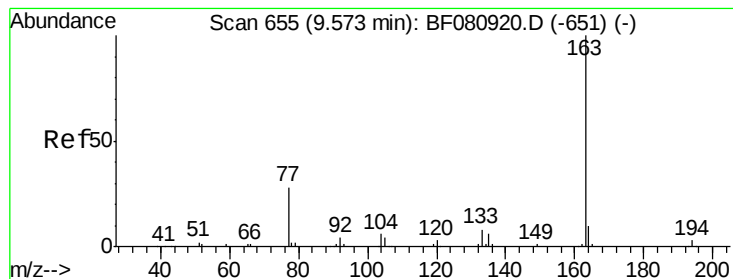
Tot Ion:172 Resp: 596973
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.2 19.7 29.5



#48
 Acenaphthylene
 Concen: 108.04 ng
 RT: 9.71 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Tgt Ion:152 Resp: 1164911
 Ion Ratio Lower Upper
 152 100
 151 20.7 16.3 24.5
 153 14.0 10.5 15.7





#49

Dimethylphthalate

Concen: 104.58 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampleId :

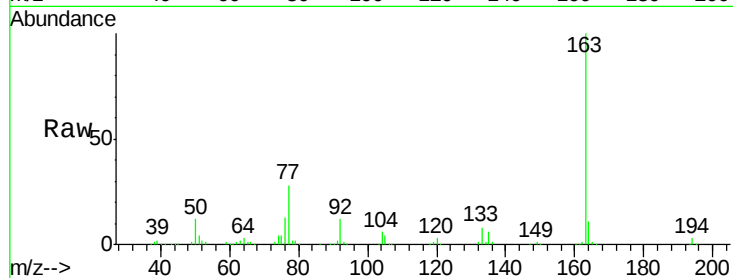
Tot Ion:163 Resp: 805204

Ion Ratio Lower Upper

163 100

194 3.3 2.4 3.6

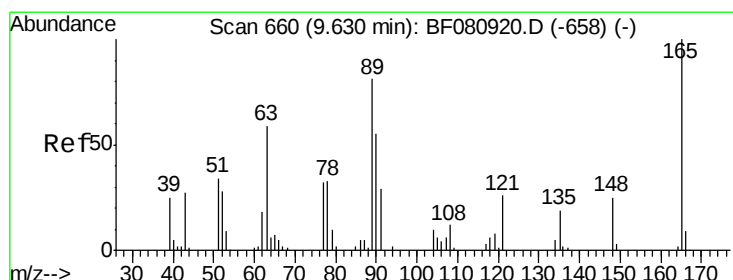
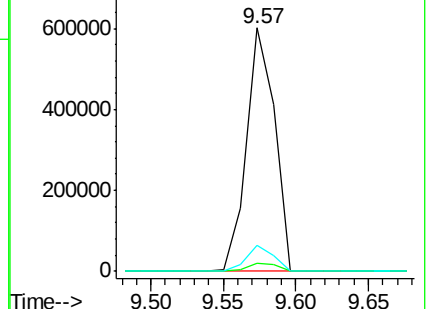
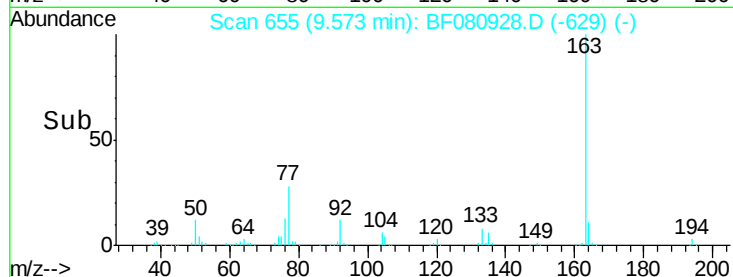
164 10.5 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 71.56 ng

RT: 9.64 min Scan# 661

Delta R.T. 0.01 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

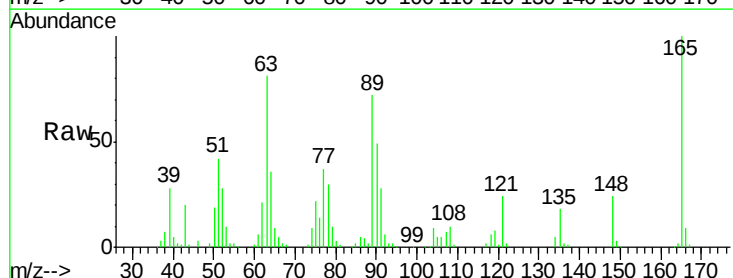
Tgt Ion:165 Resp: 113823

Ion Ratio Lower Upper

165 100

63 80.9 77.6 116.4

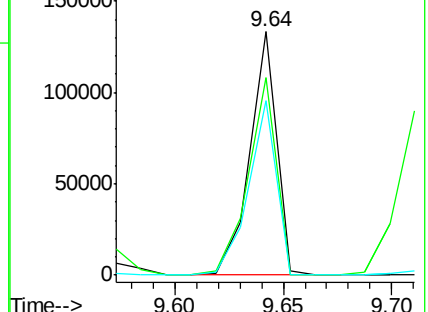
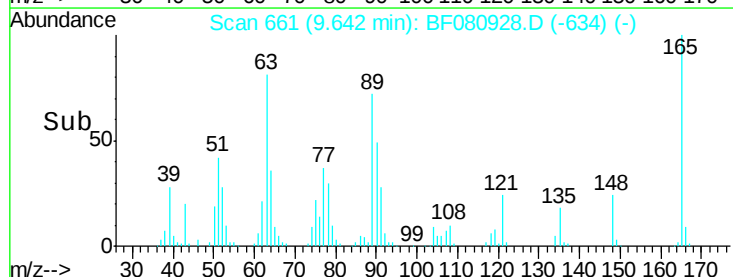
89 71.9 64.5 96.7

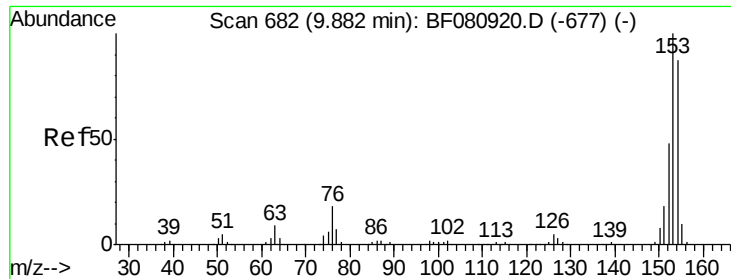


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 97.29 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampleId :

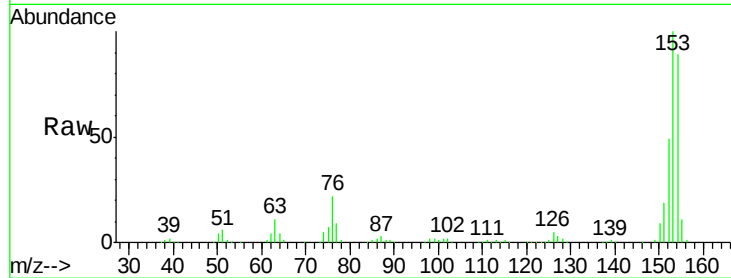
Tot Ion:154 Resp: 642378

Ion Ratio Lower Upper

154 100

153 111.9 91.4 137.2

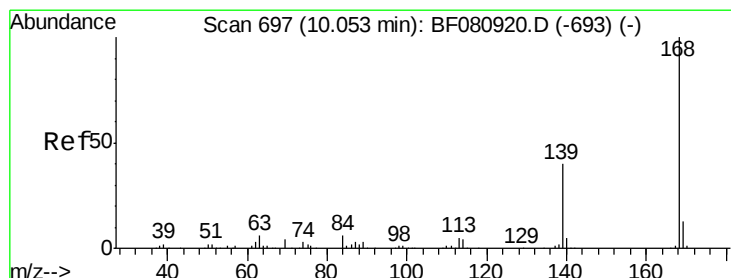
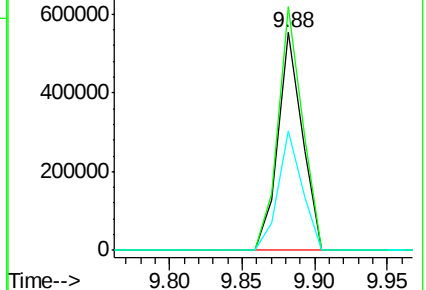
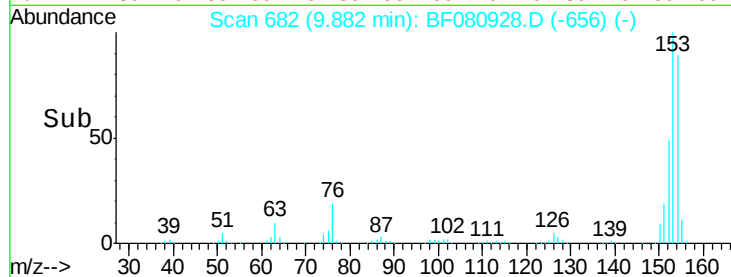
152 54.9 44.2 66.4



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: 74.24 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

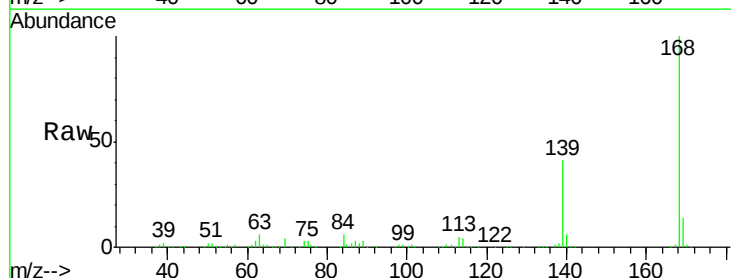
Tgt Ion:168 Resp: 662842

Ion Ratio Lower Upper

168 100

139 40.7 31.9 47.9

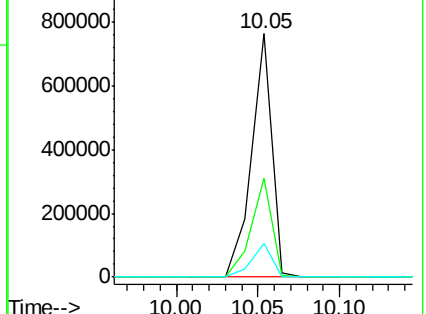
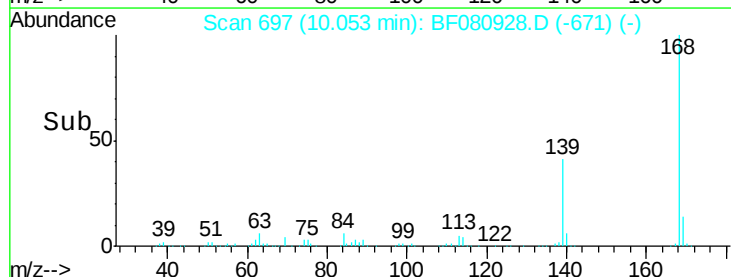
169 13.7 10.6 15.8

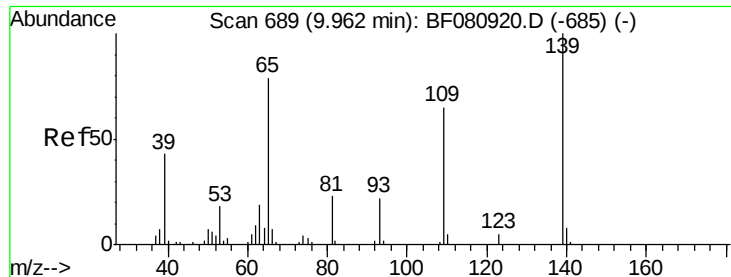


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 186.87 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.09 min

Lab File: BF080928.D

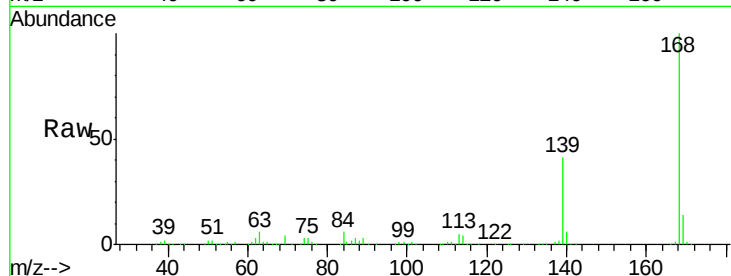
Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampleId :

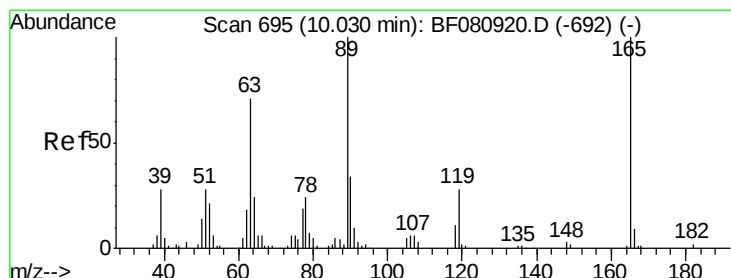
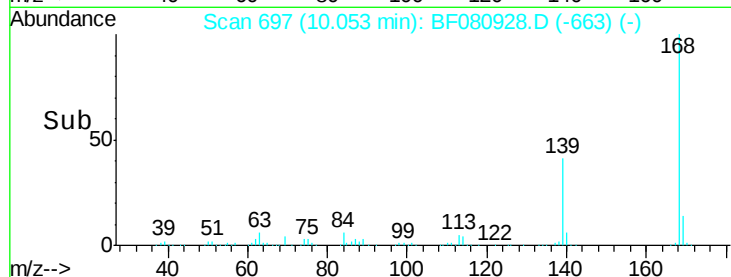
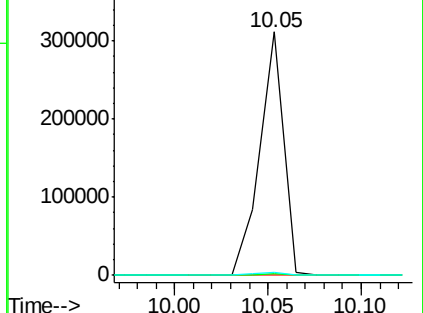
Tot Ion:139	Resp:	274291
Ion Ratio	Lower	Upper
139	100	
109	0.8	44.7 84.7#
65	1.5	59.5 99.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.72 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.18 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

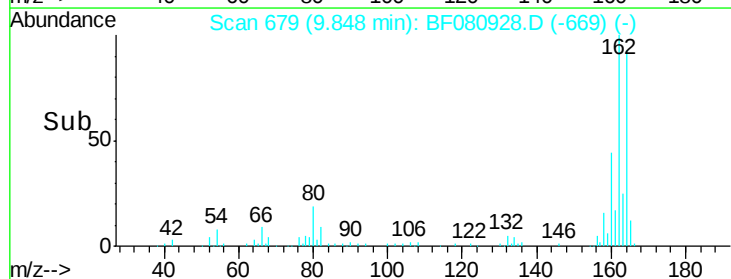
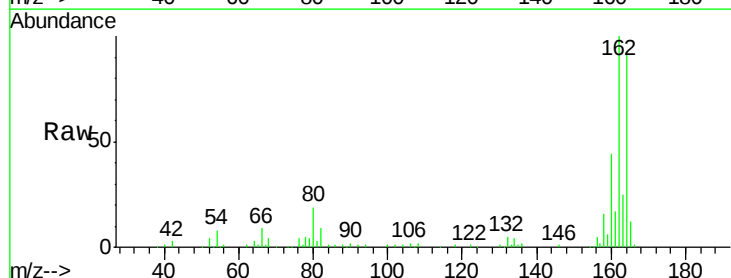
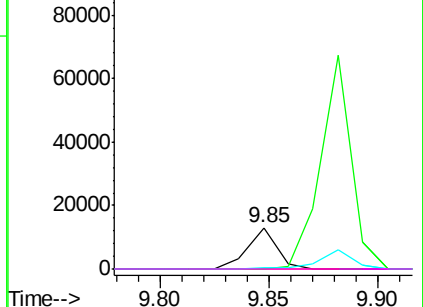
Tgt Ion:165	Resp:	12182
Ion Ratio	Lower	Upper
165	100	
63	0.0	56.7 85.1#
89	2.6	80.4 120.6#
182	0.0	1.5 2.3#

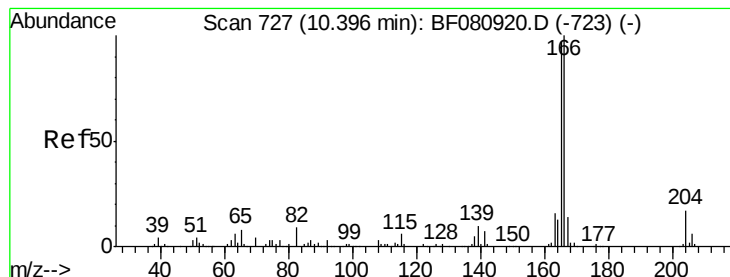
Abundance Ion 165.00 (164.70 to 165.70): E

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: 58.77 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampleId :

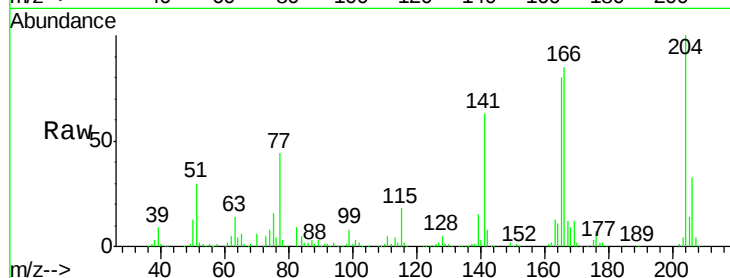
Tot Ion:166 Resp: 405930

Ion Ratio Lower Upper

166 100

165 94.8 77.2 115.8

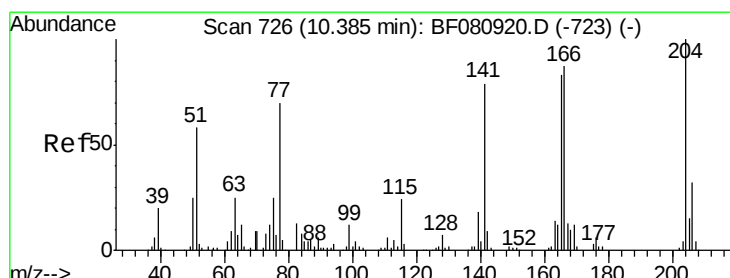
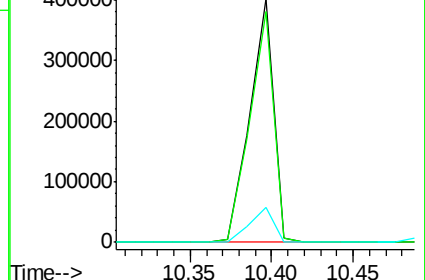
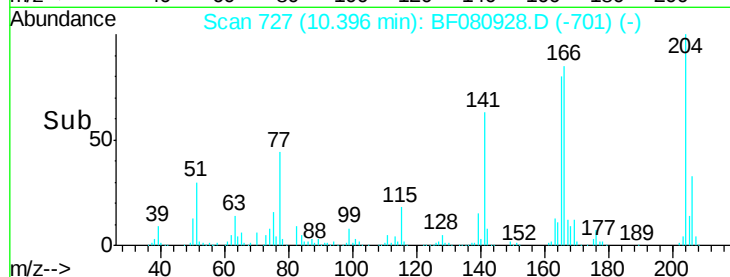
167 14.2 10.8 16.2



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



#60

4-Chlorophenyl-phenylether

Concen: 139.14 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

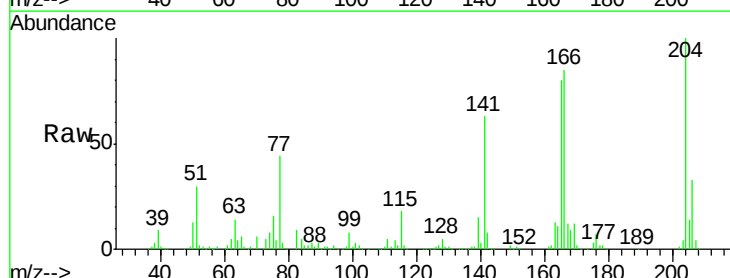
Tgt Ion:204 Resp: 468291

Ion Ratio Lower Upper

204 100

206 33.0 25.5 38.3

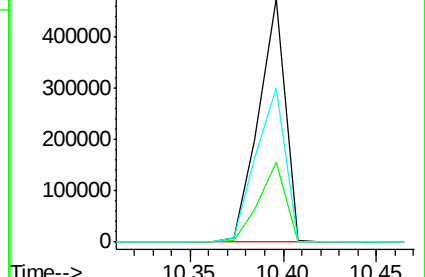
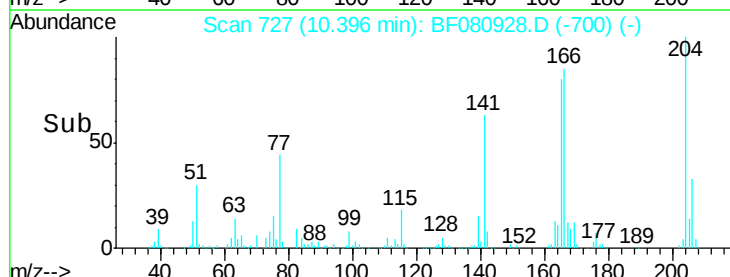
141 63.1 63.4 95.0#

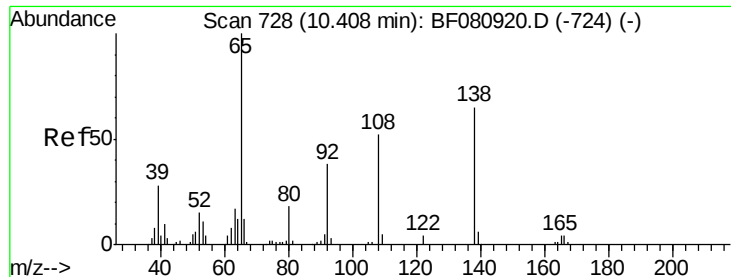


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

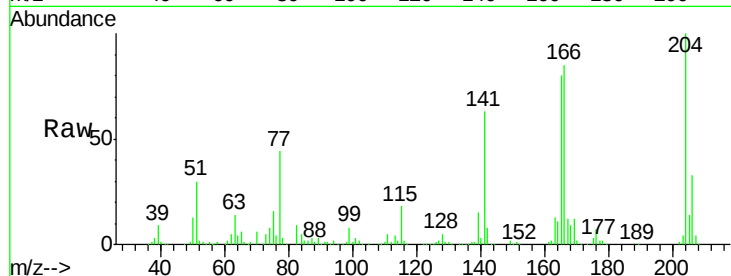




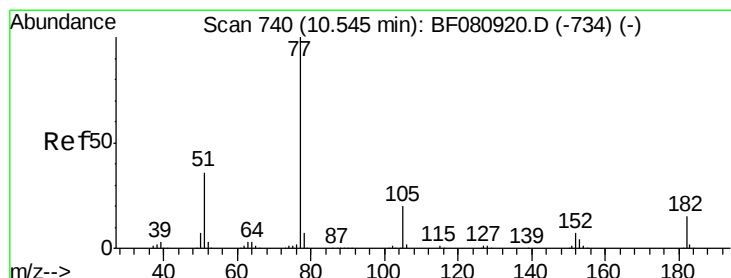
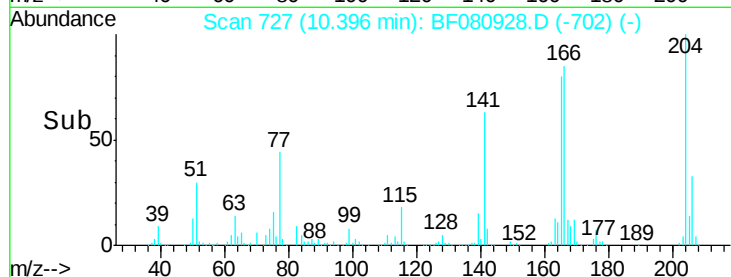
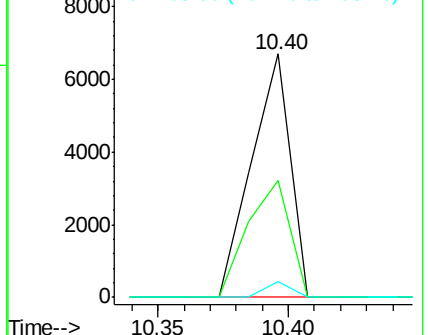
#61
4-Nitroaniline
Concen: 3.45 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:138 Resp: 6961
Ion Ratio Lower Upper
138 100
92 47.8 38.1 78.1
108 6.3 59.9 99.9#

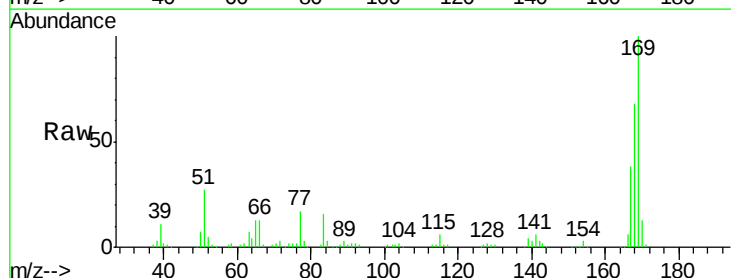


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

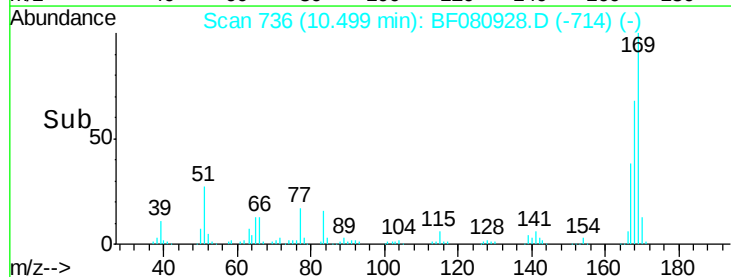
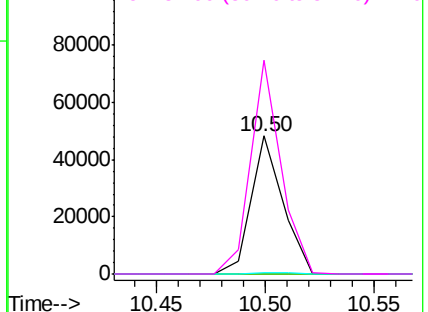


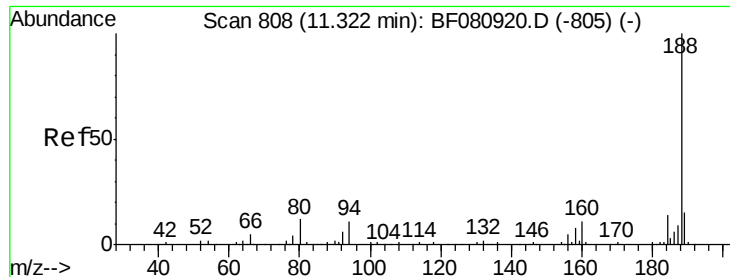
#62
Azobenzene
Concen: 5.51 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.05 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion: 77 Resp: 49334
Ion Ratio Lower Upper
77 100
182 0.0 0.0 35.5
105 1.0 0.5 40.5
51 154.8 15.6 55.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

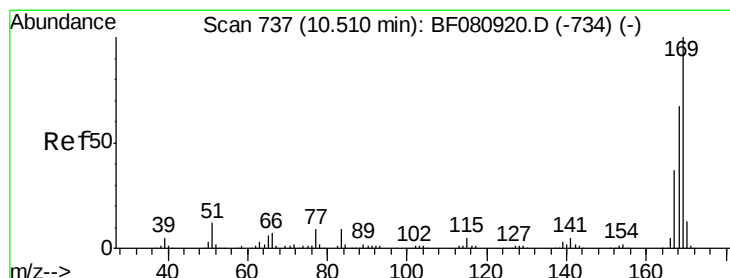
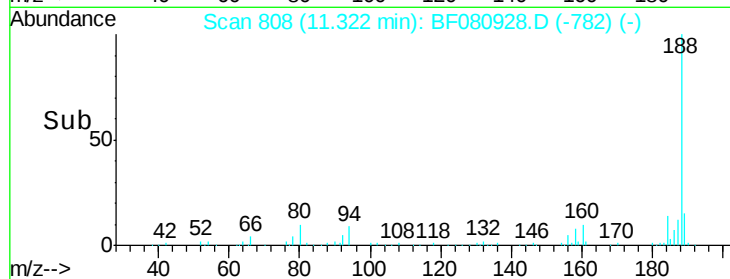
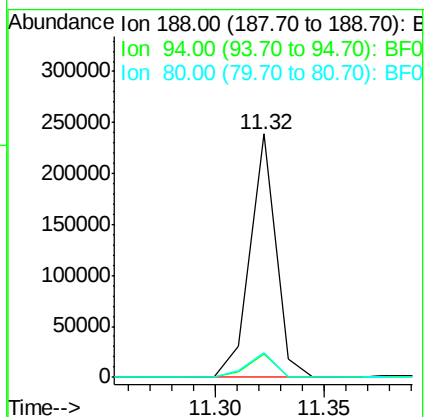
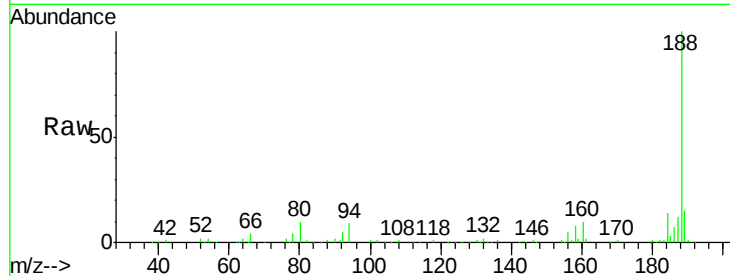




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

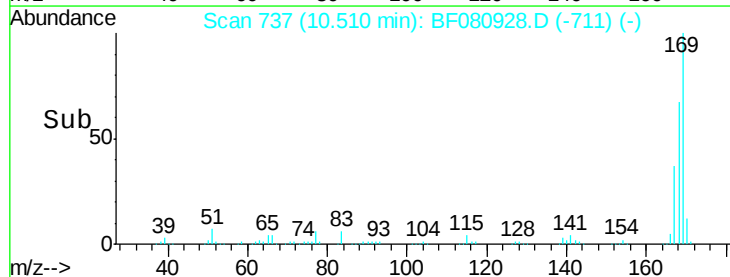
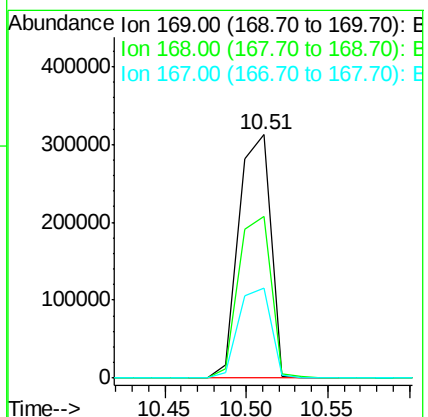
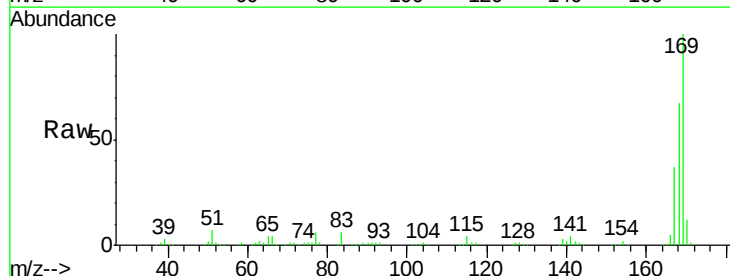
Instrument :
 BNA_F
 ClientSampleId :

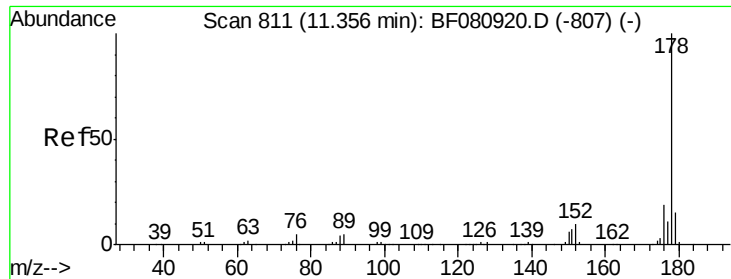
Tot Ion:188 Resp: 197226
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.8 13.2
 80 10.4 9.5 14.3



#65
 n-Nitrosodiphenylamine
 Concen: 61.44 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Tgt Ion:169 Resp: 420996
 Ion Ratio Lower Upper
 169 100
 168 66.7 53.7 80.5
 167 36.8 29.3 43.9

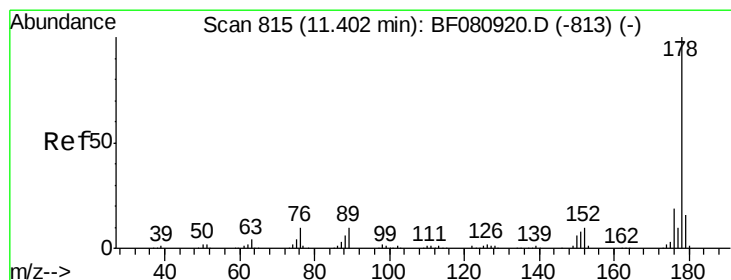
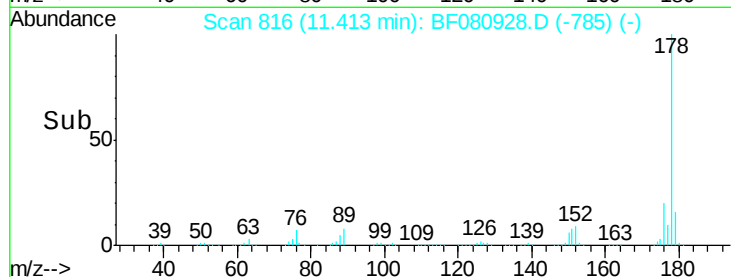
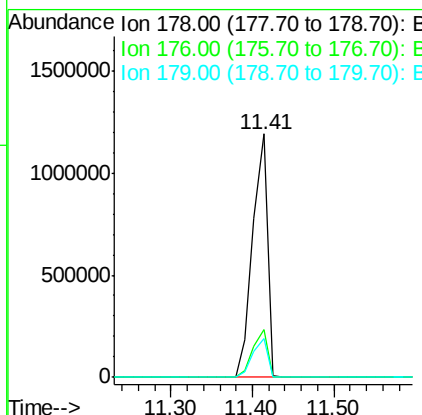
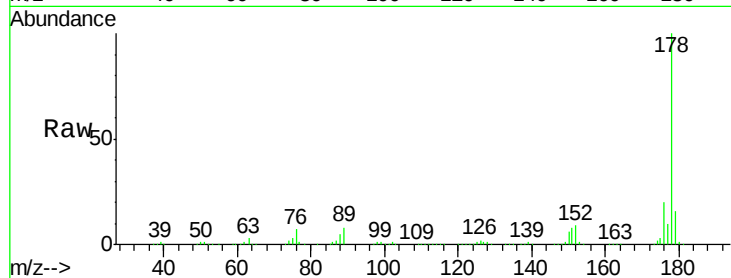




#70
 Phenanthrene
 Concen: 133.58 ng
 RT: 11.41 min Scan# 816
 Delta R.T. 0.06 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

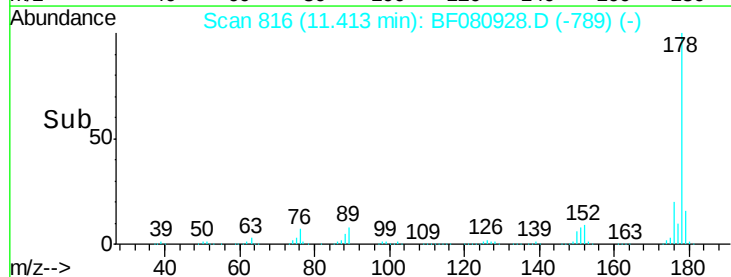
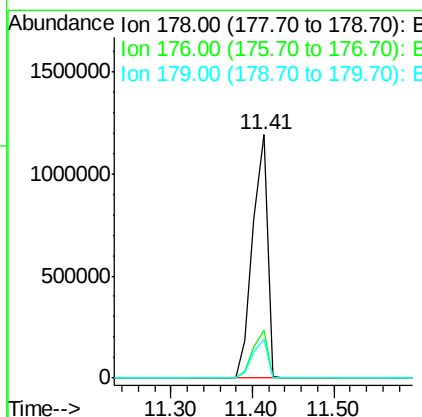
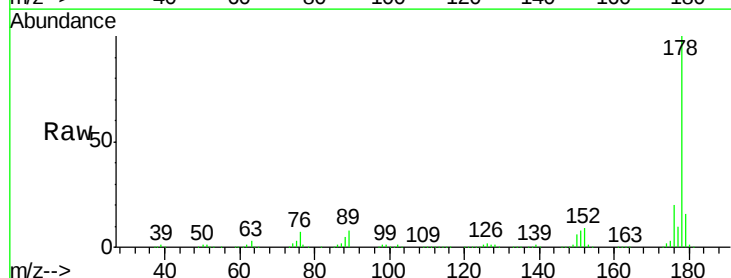
Instrument :
 BNA_F
 ClientSampleId :

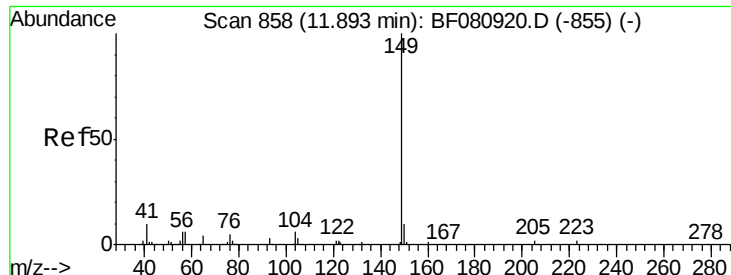
Tot Ion:178 Resp: 1491803
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.6 23.4
 179 15.7 11.9 17.9



#71
 Anthracene
 Concen: 134.93 ng
 RT: 11.41 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Tgt Ion:178 Resp: 1491803
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 15.7 12.6 18.8





#73

Di-n-butylphthalate

Concen: 44.39 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampled :

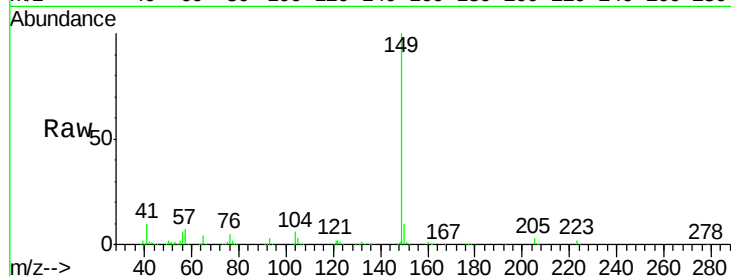
Tot Ion:149 Resp: 597469

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

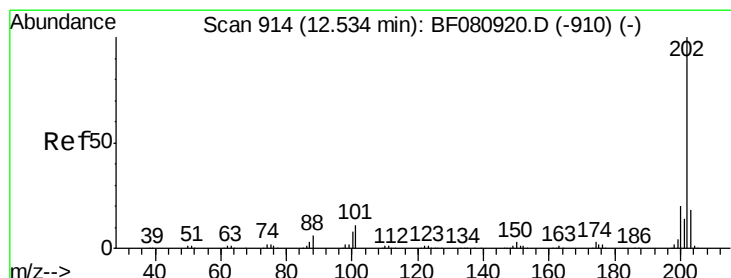
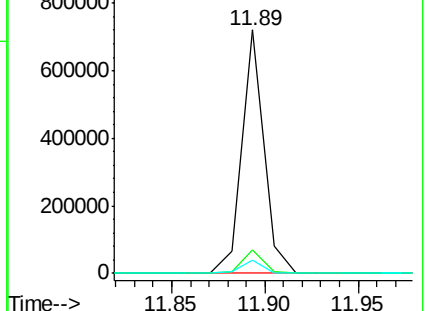
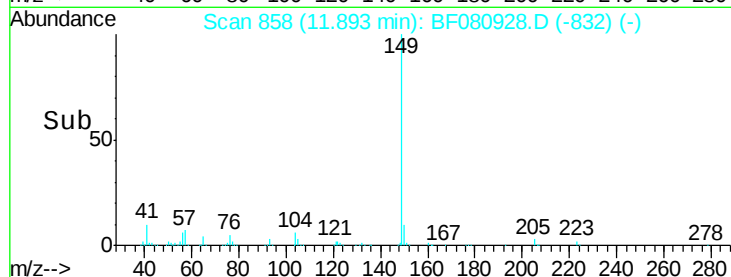
104 5.6 4.4 6.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 53.65 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.23 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

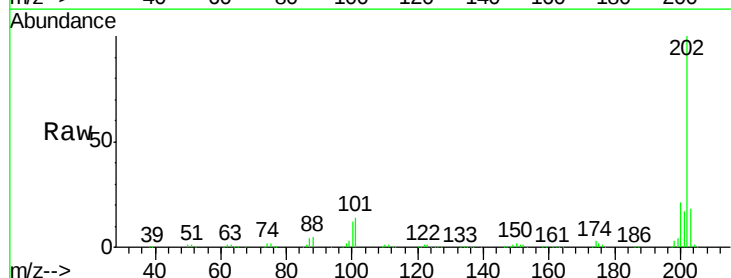
Tgt Ion:202 Resp: 647676

Ion Ratio Lower Upper

202 100

101 14.4 0.0 30.5

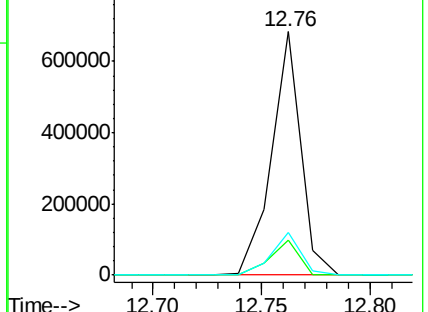
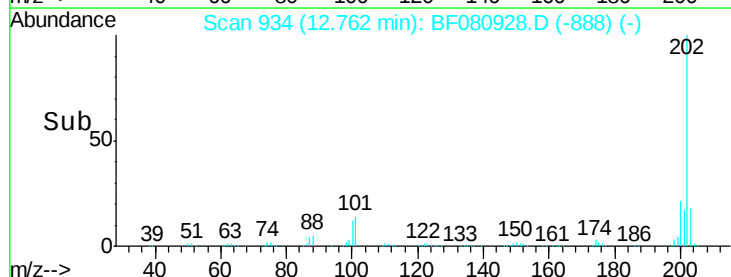
203 17.7 0.0 37.7

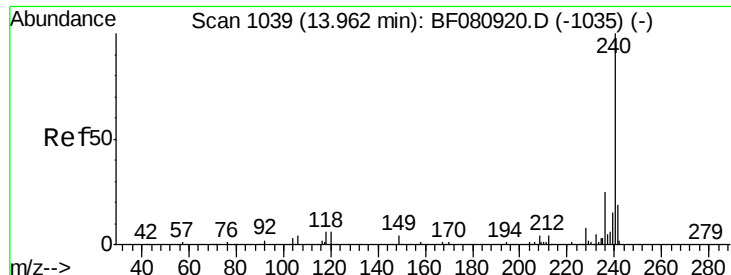


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Instrument :

BNA_F

ClientSampleId :

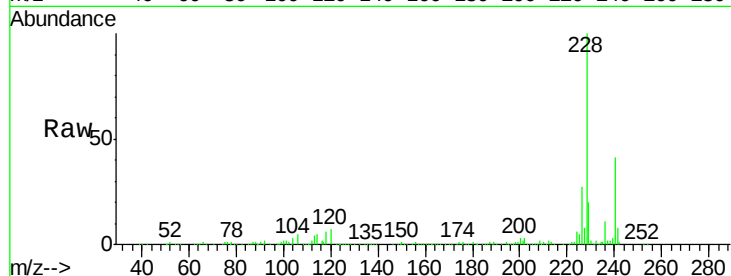
Tot Ion:240 Resp: 178837

Ion Ratio Lower Upper

240 100

120 16.0 5.2 7.8#

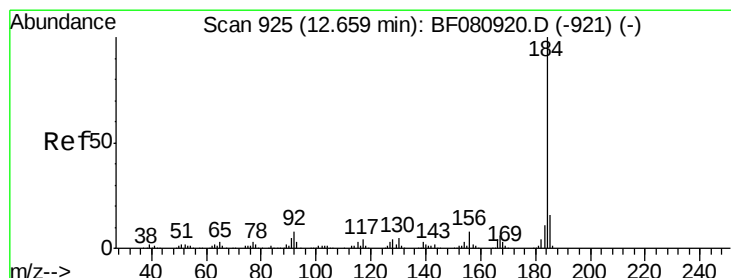
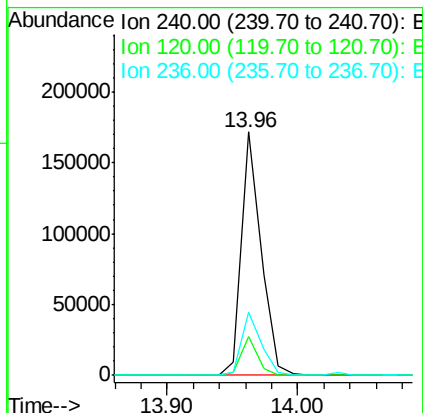
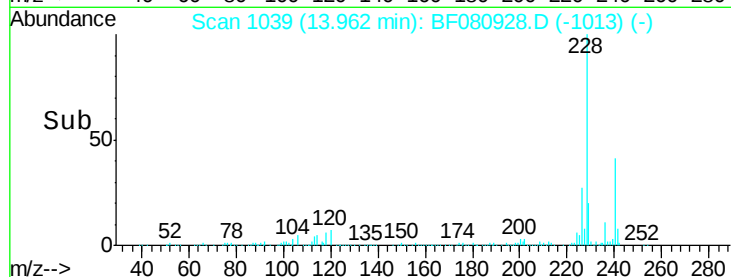
236 25.7 20.2 30.4



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: 2.48 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

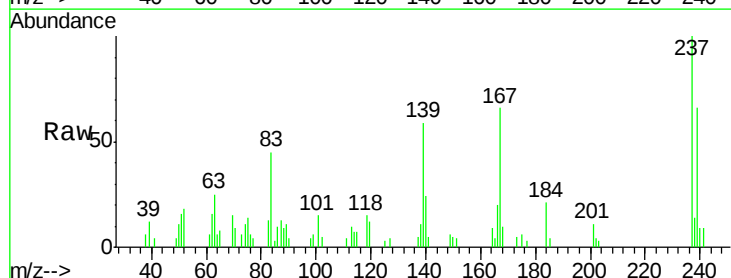
Tgt Ion:184 Resp: 2473

Ion Ratio Lower Upper

184 100

185 20.5 13.0 19.4#

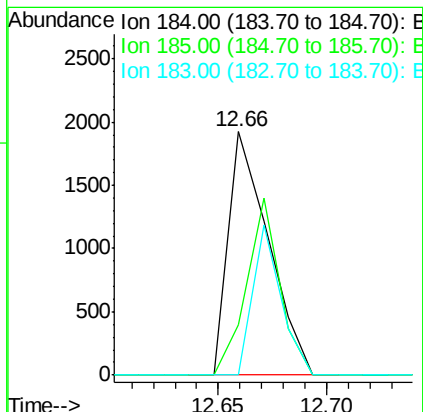
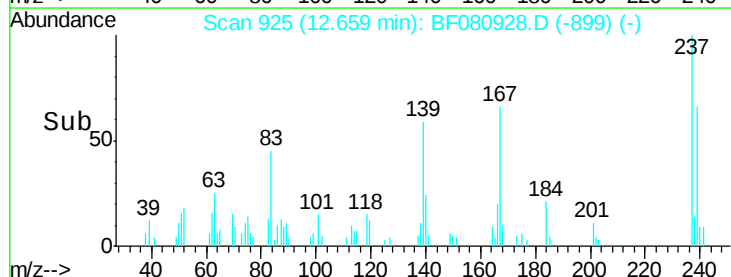
183 0.0 8.7 13.1#

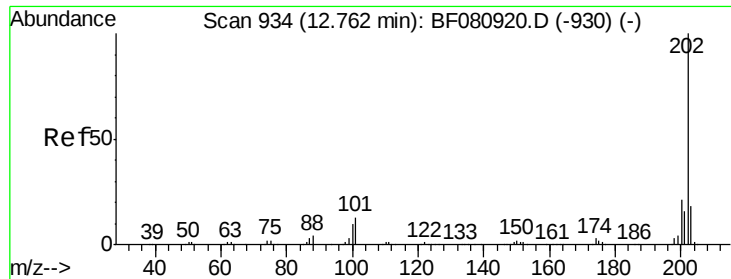


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

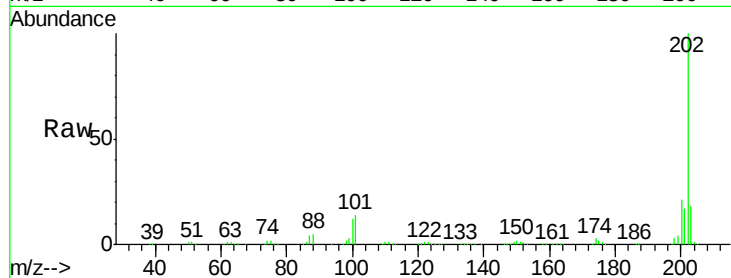




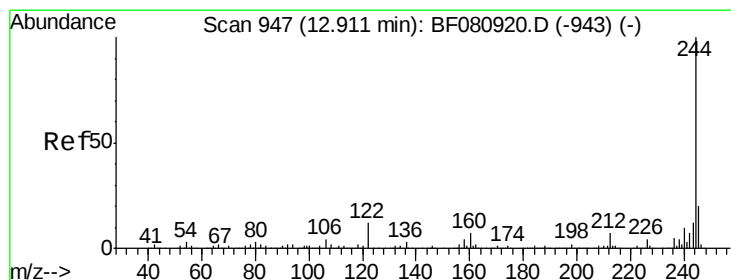
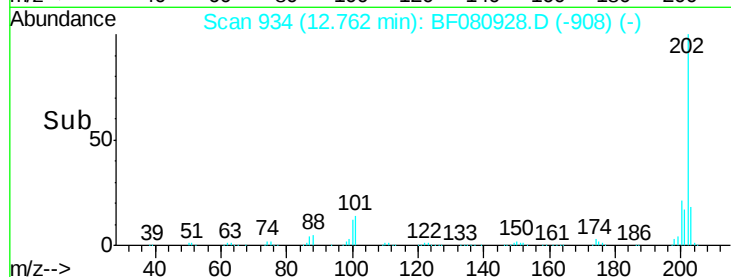
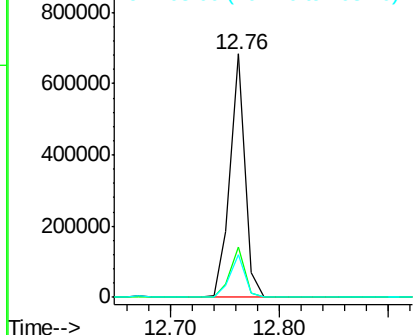
#77
 Pvrene
 Concen: 49.16 ng
 RT: 12.76 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.7	14.2	21.2

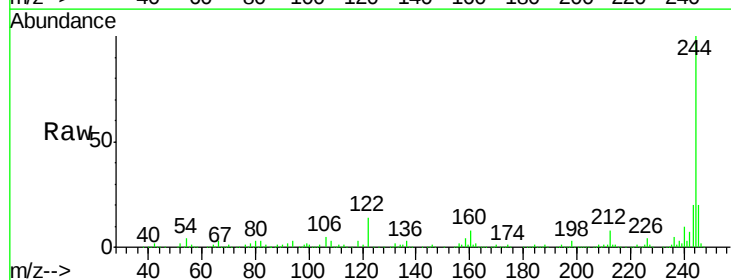


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

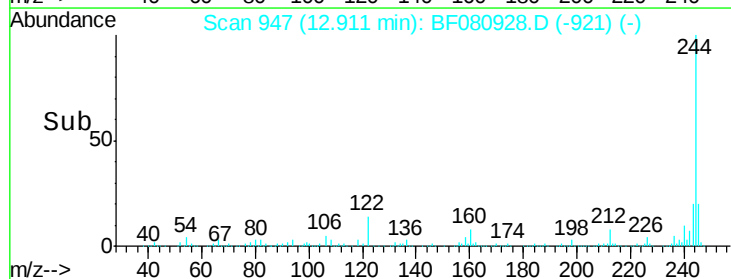
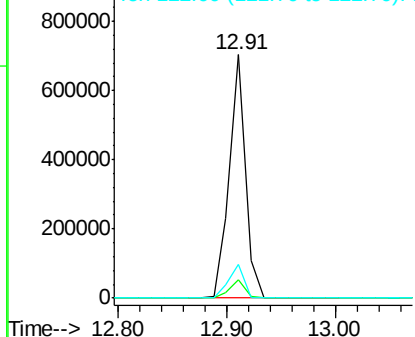


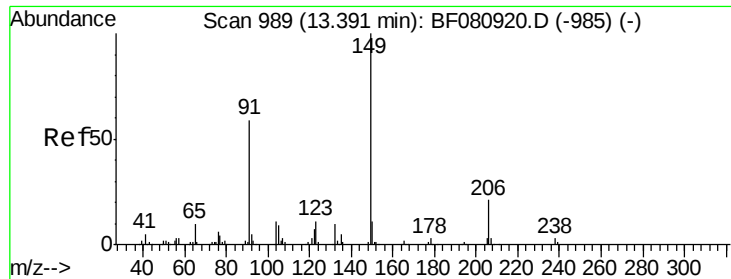
#78
 Terphenyl-d14
 Concen: 83.26 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	13.8	9.4	14.2



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

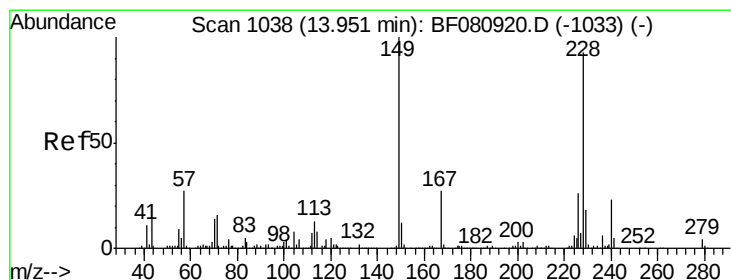
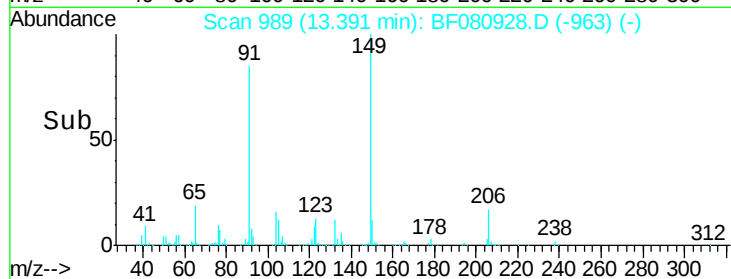
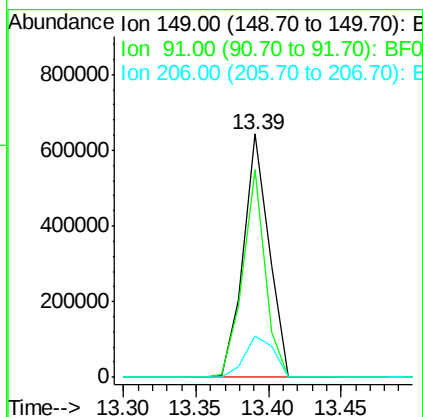
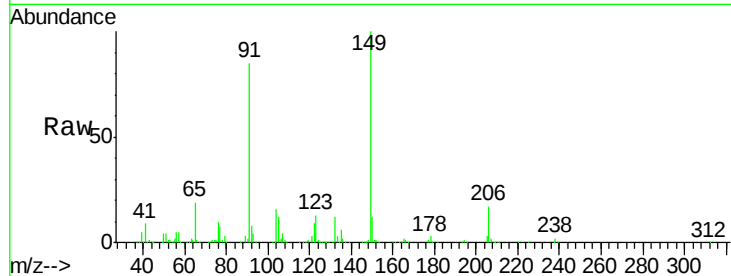




#79
Butylbenzylphthalate
Concen: 123.74 ng
RT: 13.39 min Scan# 989
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

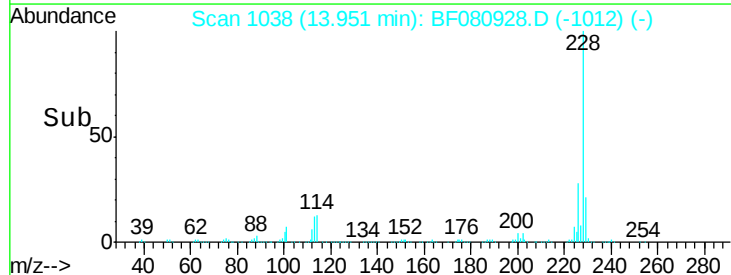
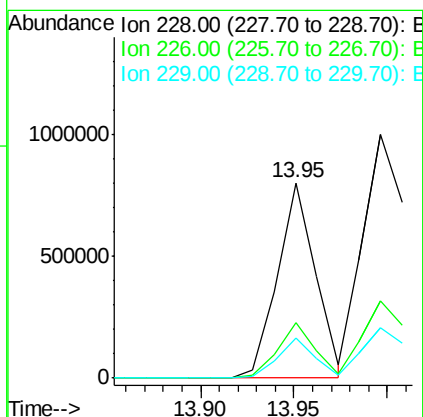
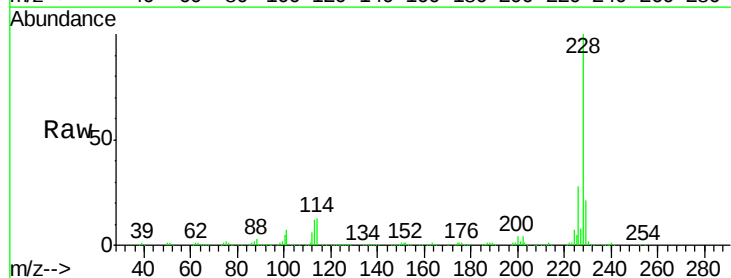
Instrument :
BNA_F
ClientSampleId :

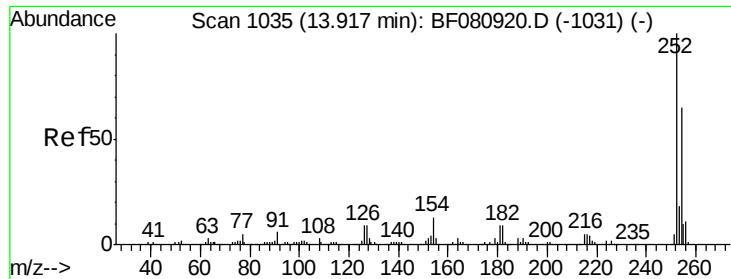
Tot Ion	Ratio	Lower	Upper
149	100		
91	85.2	47.2	70.8
206	16.8	16.5	24.7



#80
Benzo(a)anthracene
Concen: 100.85 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	20.6	15.8	23.6

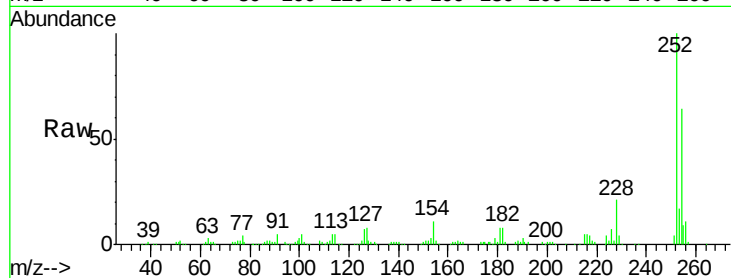




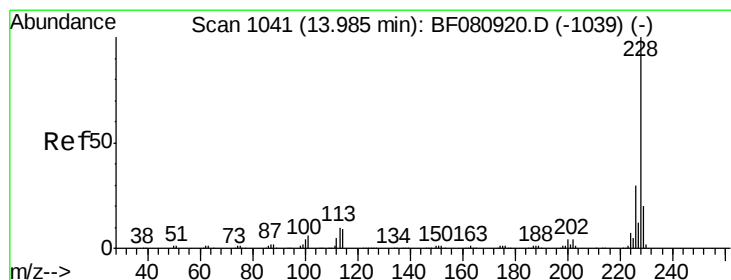
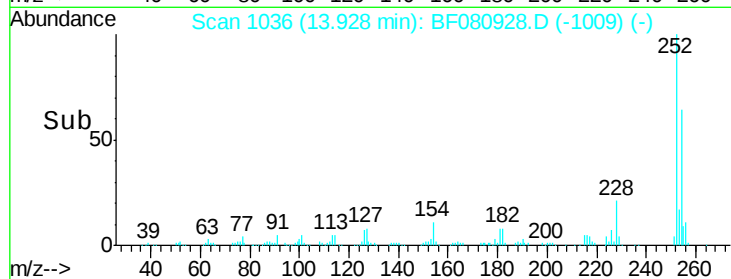
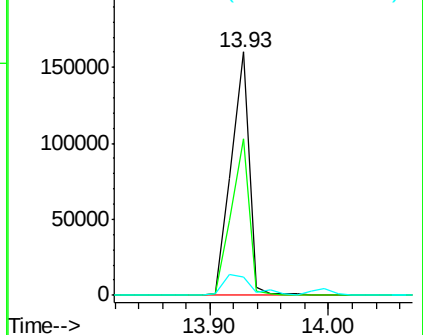
#81
 3,3'-Dichlorobenzidine
 Concen: 41.43 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. 0.01 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 170229
 Ion Ratio Lower Upper
 252 100
 254 64.4 51.7 77.5
 126 7.4 7.1 10.7

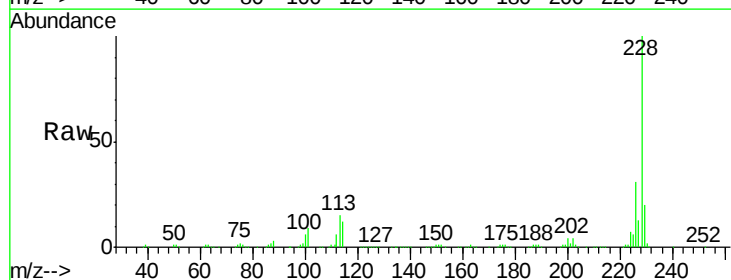


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

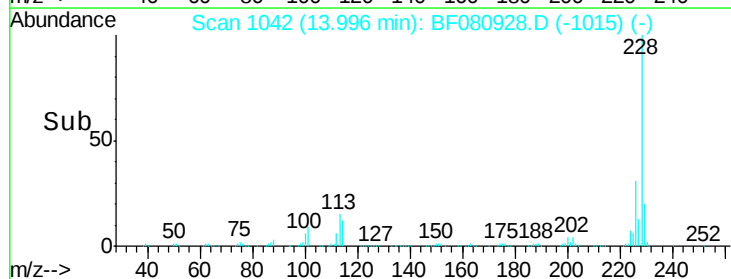
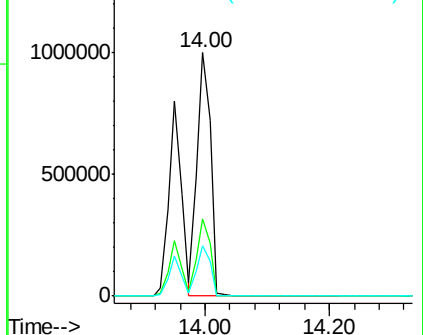


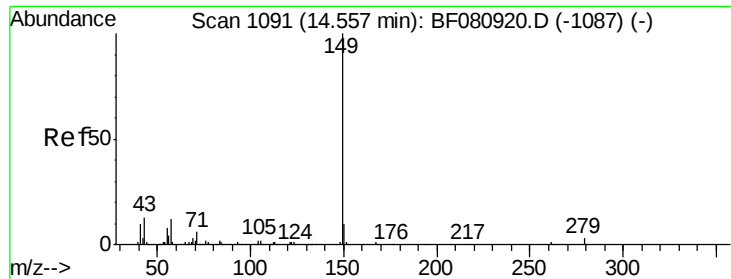
#82
 Chrysene
 Concen: 141.97 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BF080928.D
 Acq: 7 Aug 2015 15:50

Tgt Ion:228 Resp: 1535675
 Ion Ratio Lower Upper
 228 100
 226 31.5 23.9 35.9
 229 20.5 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

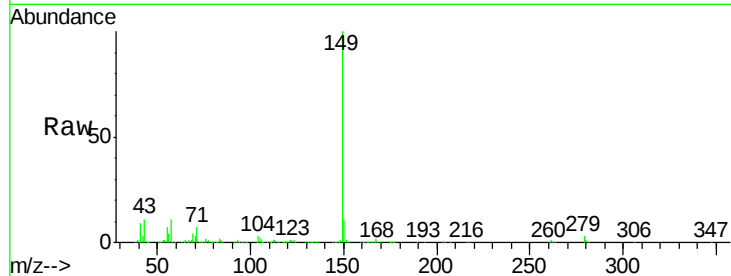




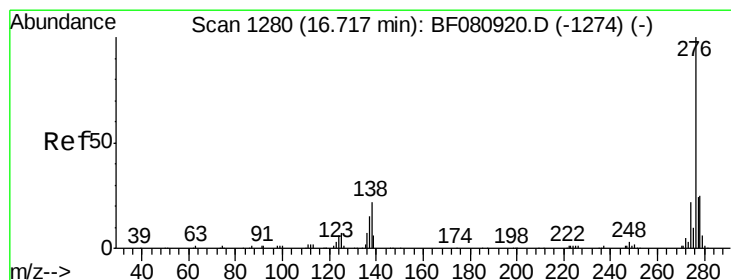
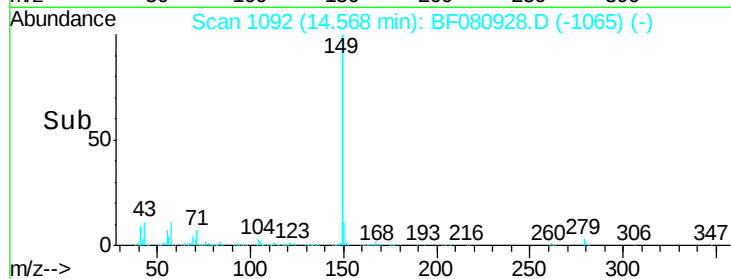
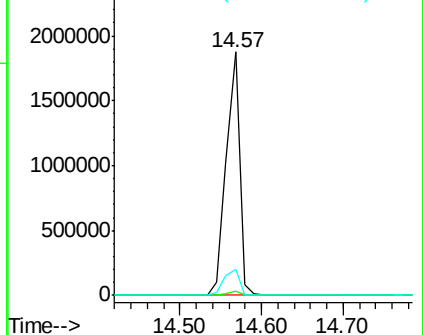
#84
Di-n-octyl phthalate
Concen: 141.86 ng
RT: 14.57 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 2131511
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.7 11.0 16.4

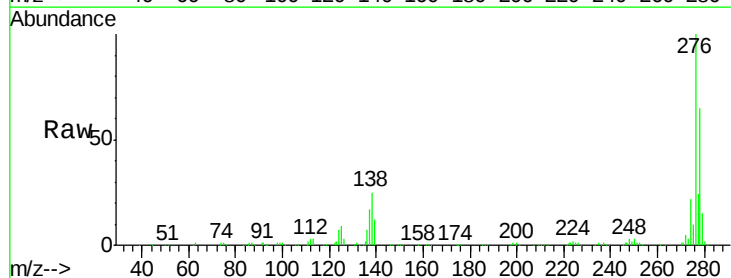


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

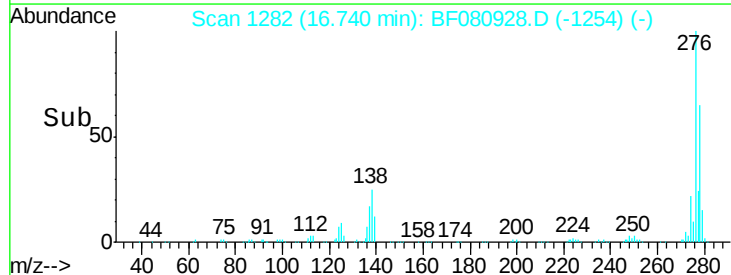
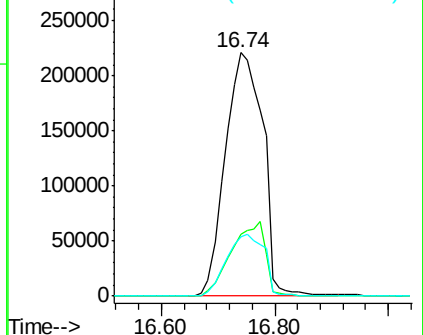


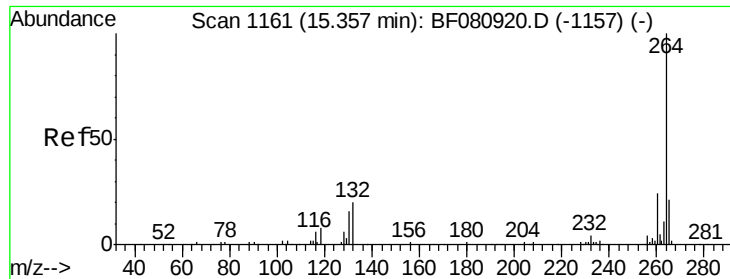
#85
Indeno(1,2,3-cd)pyrene
Concen: 100.00 ng
RT: 16.74 min Scan# 1282
Delta R.T. 0.02 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion:276 Resp: 1029347
Ion Ratio Lower Upper
276 100
138 0.0 19.9 29.9#
277 25.9 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

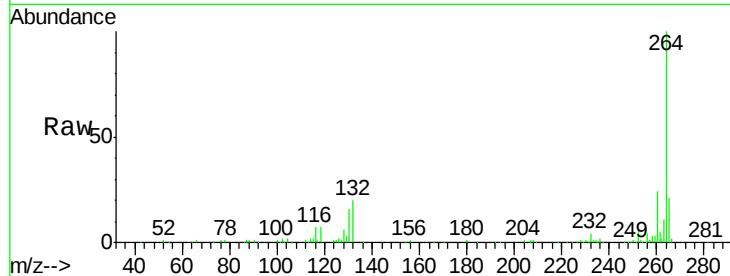




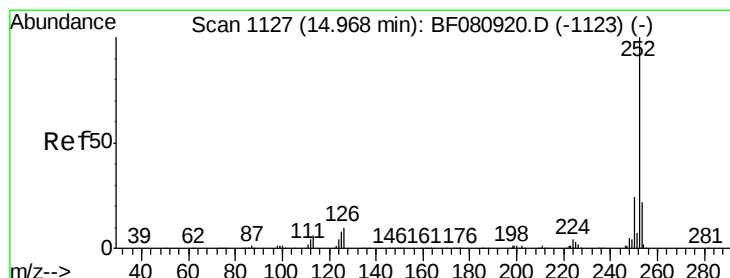
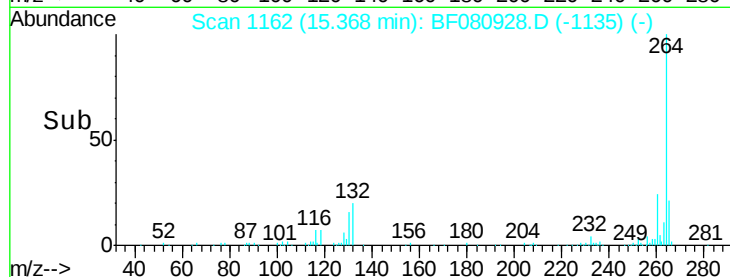
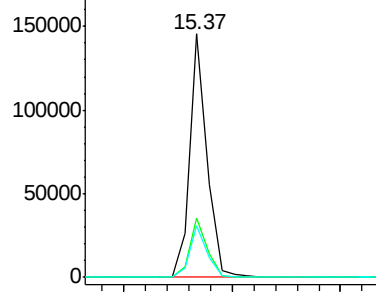
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 161081
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 21.4 17.0 25.4

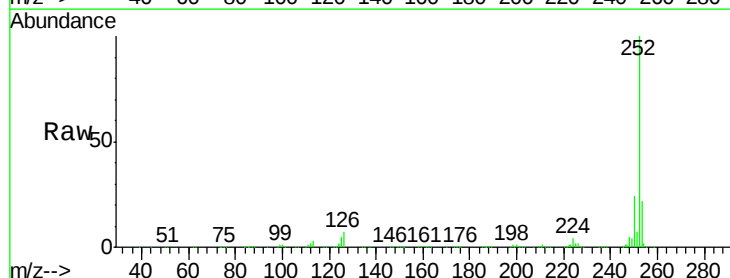


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

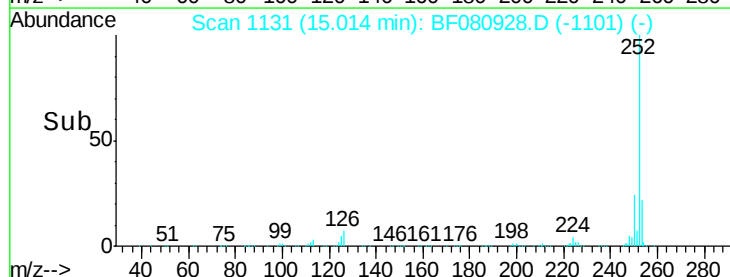
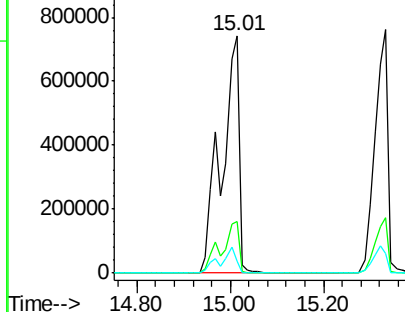


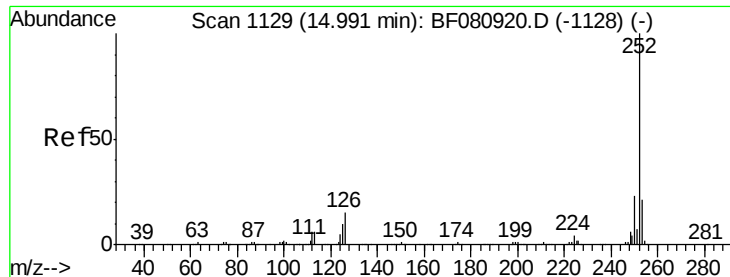
#87
Benzo(b)fluoranthene
Concen: 172.54 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.05 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion:252 Resp: 1932588
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 4.8 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

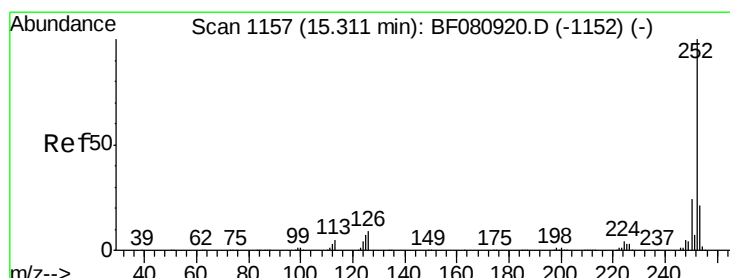
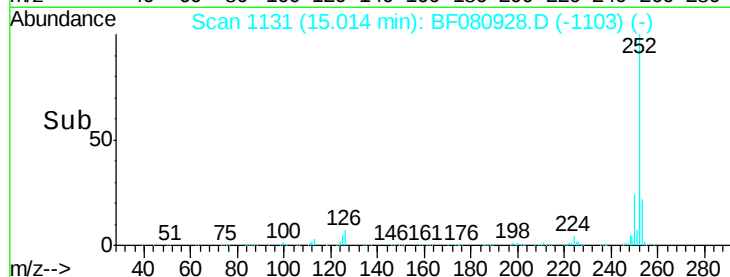
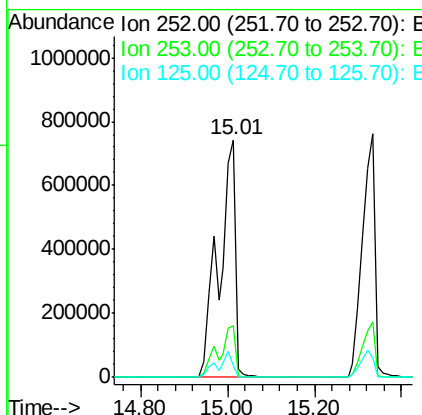
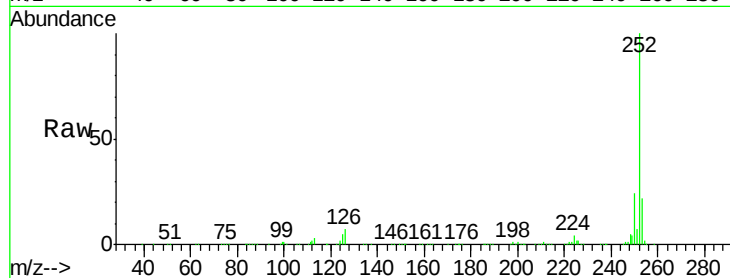




#88
Benzo(k)fluoranthene
Concen: 197.31 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.02 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

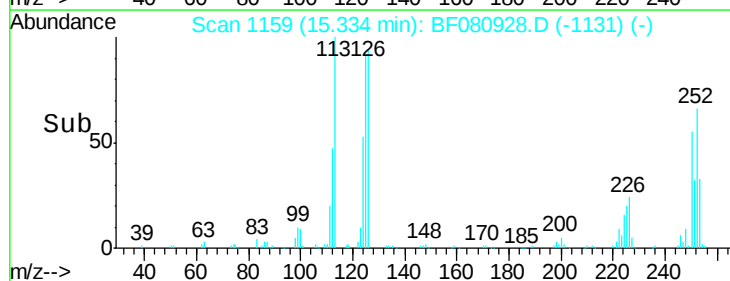
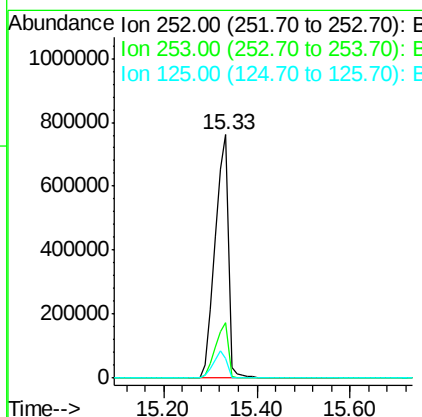
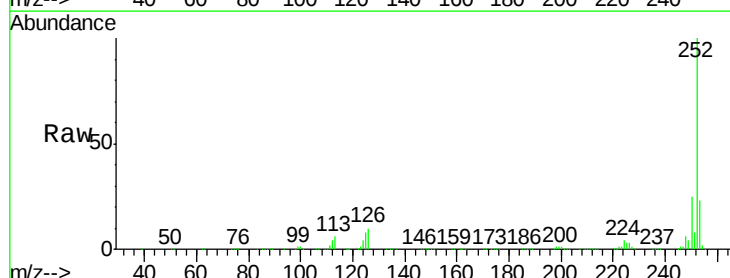
Instrument :
BNA_F
ClientSampleId :

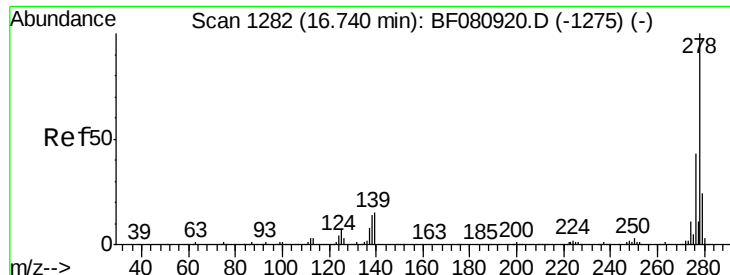
Tot Ion:252 Resp: 1933416
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 4.8 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 155.22 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.02 min
Lab File: BF080928.D
Acq: 7 Aug 2015 15:50

Tgt Ion:252 Resp: 1494275
Ion Ratio Lower Upper
252 100
253 22.7 16.9 25.3
125 8.1 5.8 8.8





#90

Dibenzo(a,h)anthracene

Concen: 156.91 ng

RT: 16.79 min Scan# 1286

Delta R.T. 0.05 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

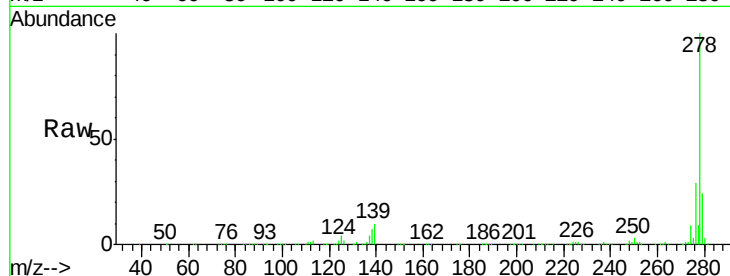
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 1336081

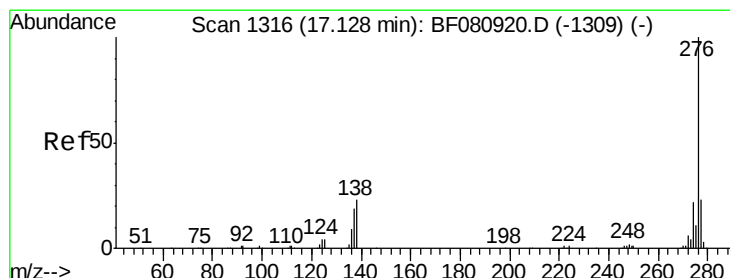
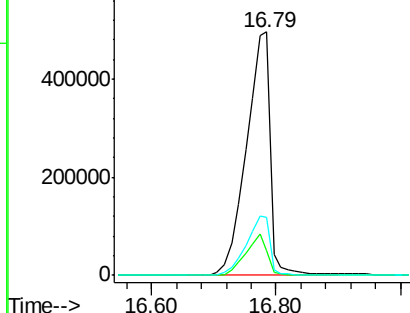
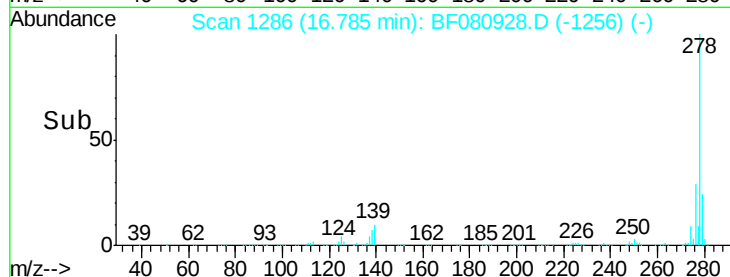
Ion	Ratio	Lower	Upper
278	100		
139	10.2	11.9	17.9#
279	23.8	19.0	28.6



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: 14.24 ng

RT: 17.12 min Scan# 1315

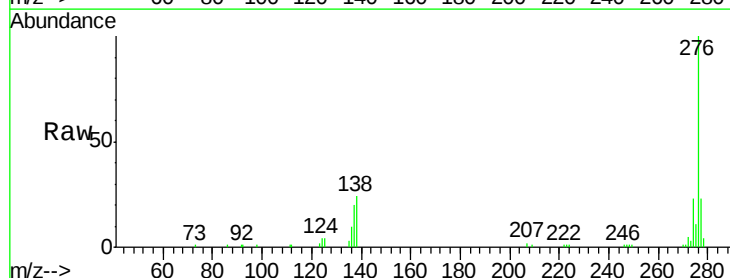
Delta R.T. -0.01 min

Lab File: BF080928.D

Acq: 7 Aug 2015 15:50

Tgt Ion:276 Resp: 117944

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	23.9	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

