

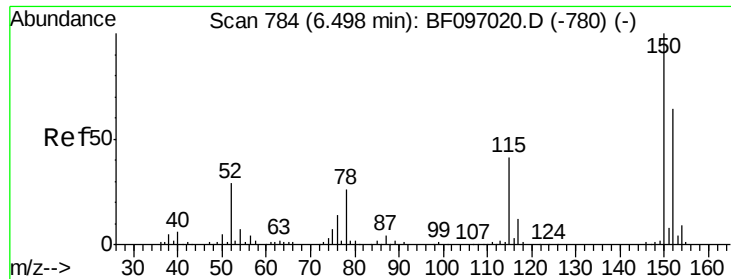
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097059.D
 Acq On : 26 Jul 2017 6:06
 Operator : SJ/JU
 Sample : I4399-02 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 06:50:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	113470	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	428893	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	171363	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	249704	20.00	ng	0.00
75) Chrysene-d12	13.62	240	201280	20.00	ng	0.00
86) Perylene-d12	14.97	264	145721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	141092	18.74	ng	0.00
7) Phenol-d6	6.16	99	168627	19.62	ng	-0.01
23) Nitrobenzene-d5	7.06	82	97677	13.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	25276	18.67	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	155020	15.35	ng	-0.01
78) Terphenyl-d14	12.58	244	78679	7.97	ng	0.00
Target Compounds						
6) Aniline	6.23	93	69230	6.40	ng	Qvalue # 52
11) bis(2-Chloroethyl)ether	6.23	93	69230	8.59	ng	86
12) 1,3-Dichlorobenzene	6.44	146	58117	6.70	ng	97
13) 1,4-Dichlorobenzene	6.52	146	181218	21.08	ng	94
14) 1,2-Dichlorobenzene	6.67	146	241834	32.22	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.79	45	128343	7.94	ng	88
17) 2-Methylphenol	6.78	107	17218	2.77	ng	# 78
20) 3+4-Methylphenols	6.94	107	18045	2.22	ng	# 58
27) 2,4-Dimethylphenol	7.46	122	166739	24.54	ng	97
31) Naphthalene	7.82	128	3021105	149.43	ng	99
32) Benzoic acid	7.66	122	59000	11.63	ng	# 16
33) 4-Chloroaniline	7.82	127	410389	49.89	ng	# 33
36) 4-Chloro-3-methylphenol	8.37	107	19423	3.04	ng	# 14
37) 2-Methylnaphthalene	8.50	142	635170	49.62	ng	99
49) Dimethylphthalate	9.26	163	34254	2.63	ng	99
50) 2,6-Dinitrotoluene	9.53	165	22804	8.26	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	22804	7.19	ng	# 34

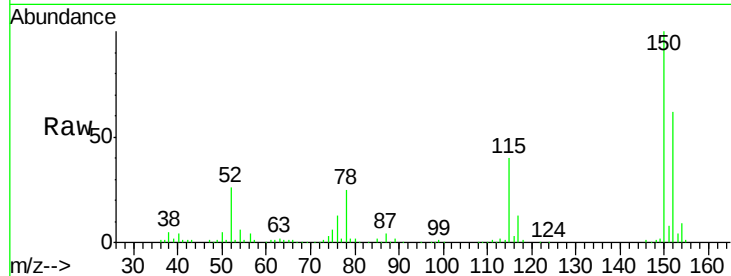
(#) = qualifier out of range (m) = manual integration (+) = signals summed



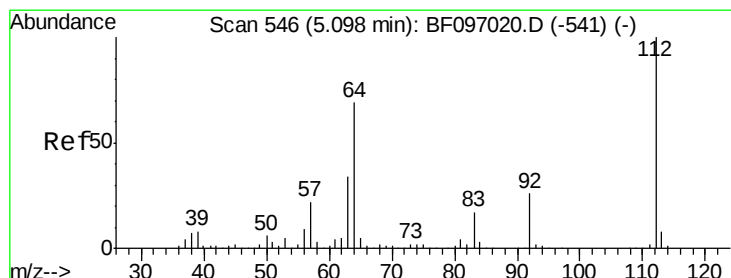
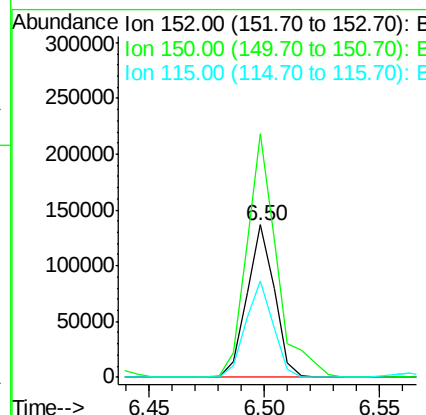
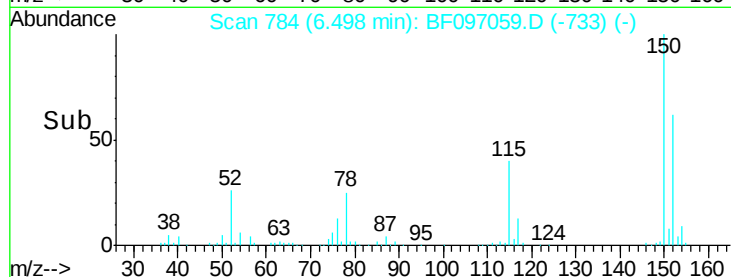
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.50 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 113470
 Ion Ratio Lower Upper
 152 100
 150 160.0 126.2 189.2
 115 63.4 52.2 78.2

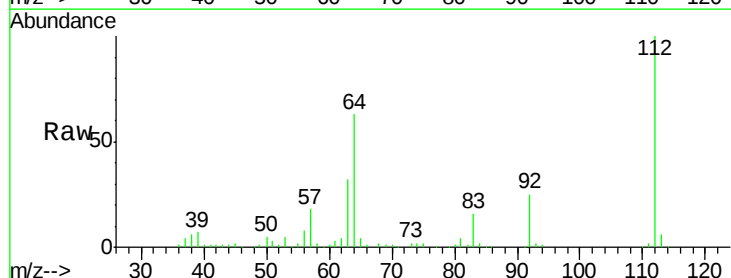


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

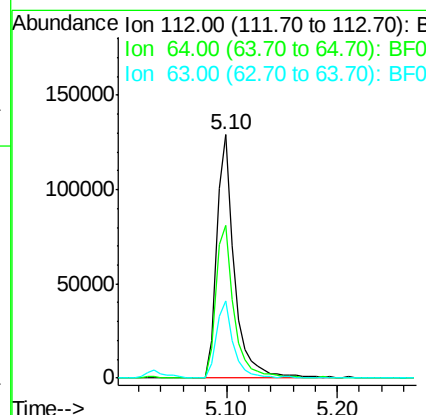
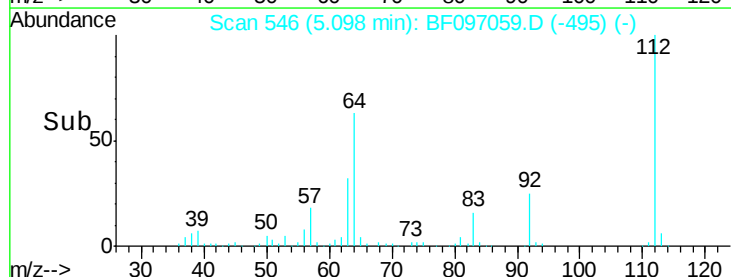


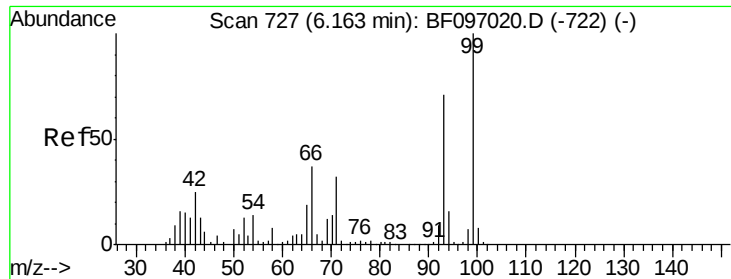
#5
 2-Fluorophenol
 Concen: 18.74 ng
 RT: 5.10 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion:112 Resp: 141092
 Ion Ratio Lower Upper
 112 100
 64 63.0 46.0 69.0
 63 31.6 23.4 35.0



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





#6

Aniline

Concen: 6.40 ng

RT: 6.23 min Scan# 739

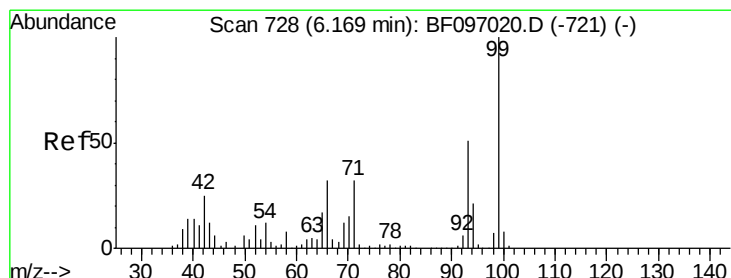
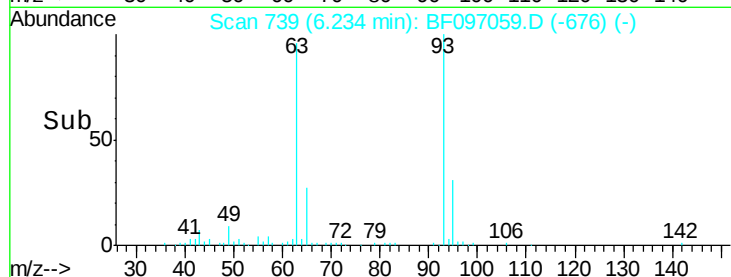
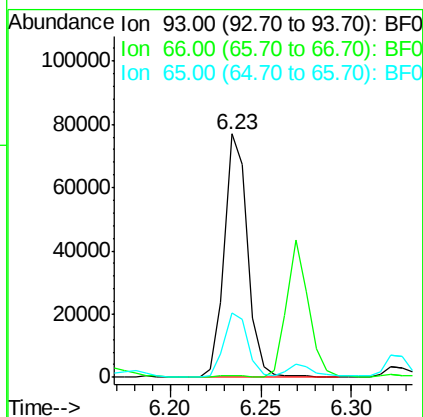
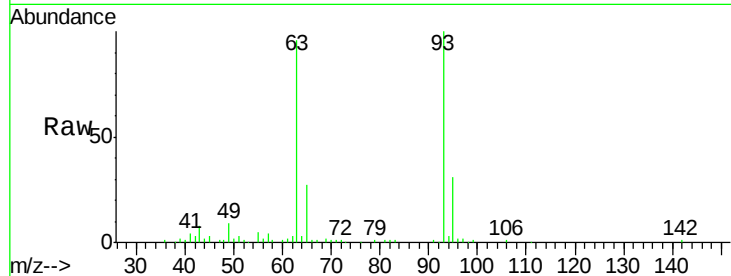
Delta R.T. 0.07 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampled :

Tot Ion: 93 Resp: 69230
Ion Ratio Lower Upper
93 100
66 0.6 32.9 49.3#
65 26.7 16.0 24.0#



#7

Phenol-d6

Concen: 19.62 ng

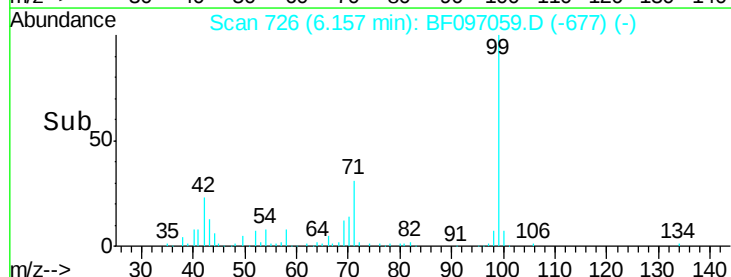
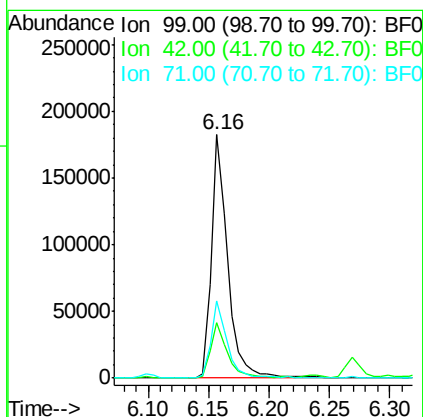
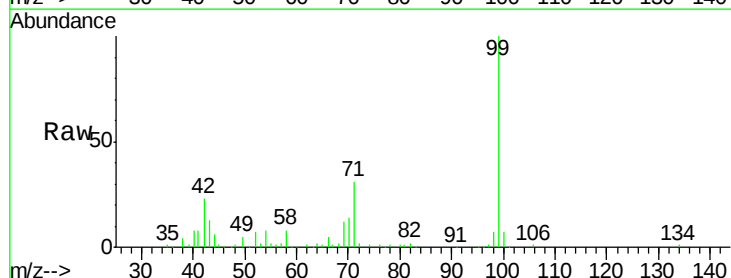
RT: 6.16 min Scan# 726

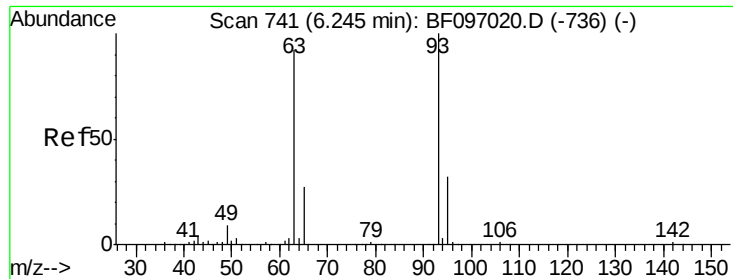
Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Tgt Ion: 99 Resp: 168627
Ion Ratio Lower Upper
99 100
42 22.6 13.5 20.3#
71 31.5 24.5 36.7





#11

bis(2-Chloroethyl)ether

Concen: 8.59 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

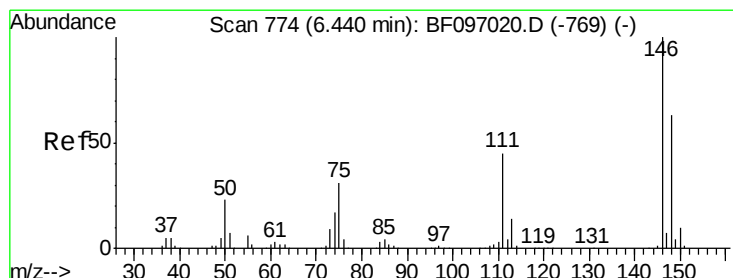
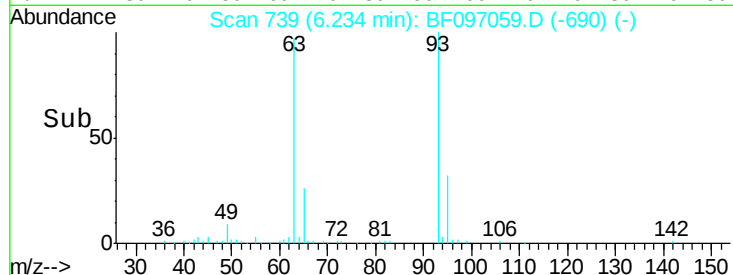
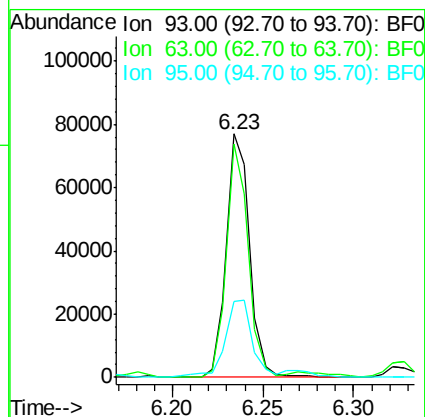
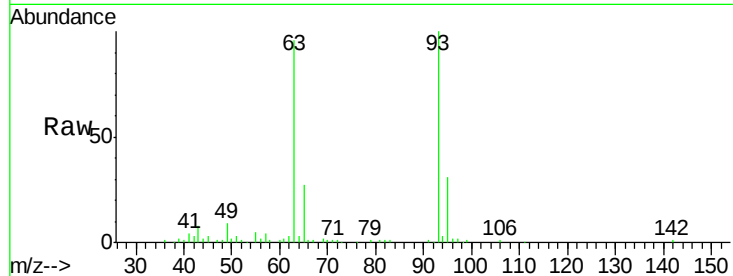
Tot Ion: 93 Resp: 69230

Ion Ratio Lower Upper

93 100

63 96.1 59.2 99.2

95 31.3 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 6.70 ng

RT: 6.44 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

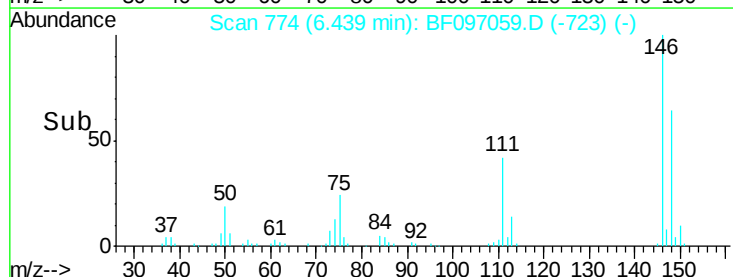
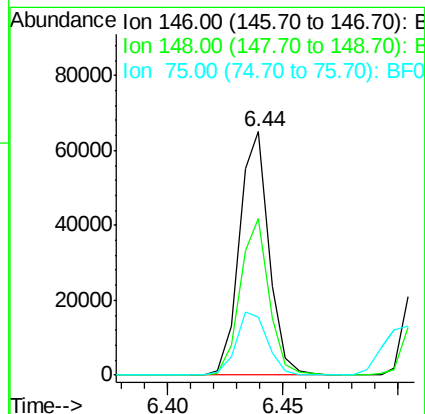
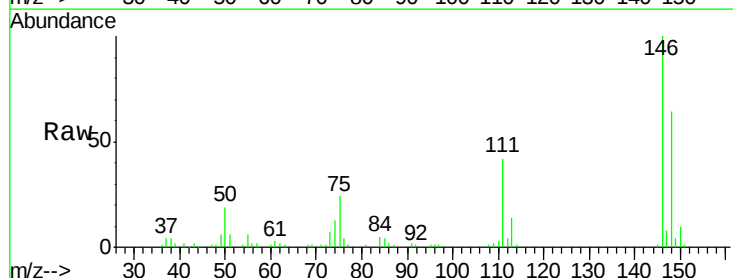
Tgt Ion: 146 Resp: 58117

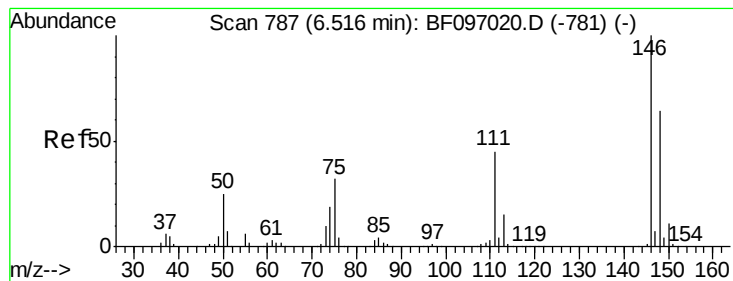
Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.6

75 24.0 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 21.08 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

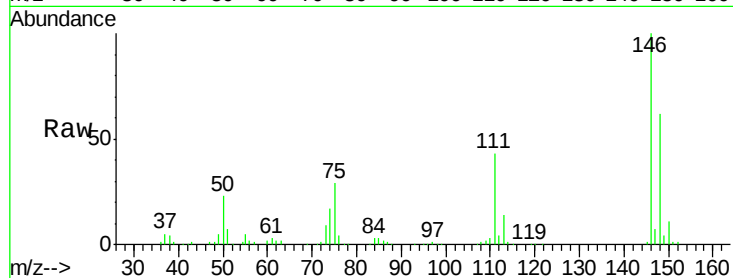
Tot Ion:146 Resp: 181218

Ion Ratio Lower Upper

146 100

148 61.9 52.2 78.2

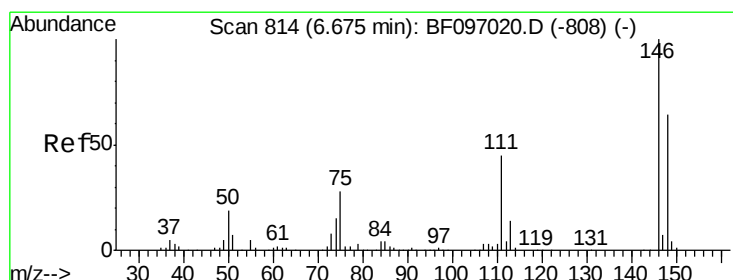
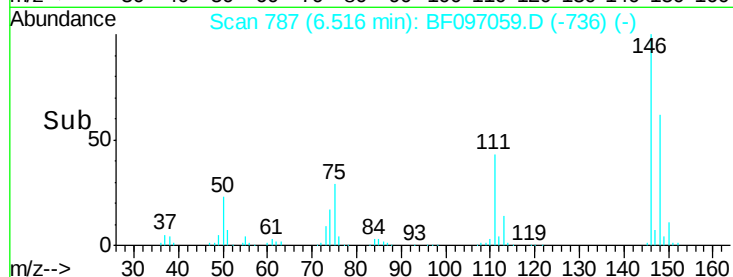
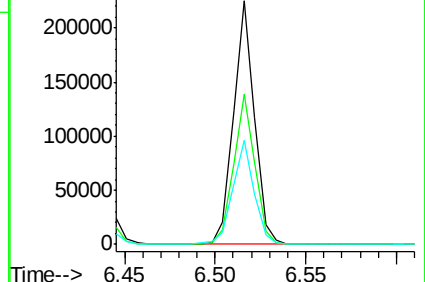
111 42.8 30.3 45.5



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: 32.22 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

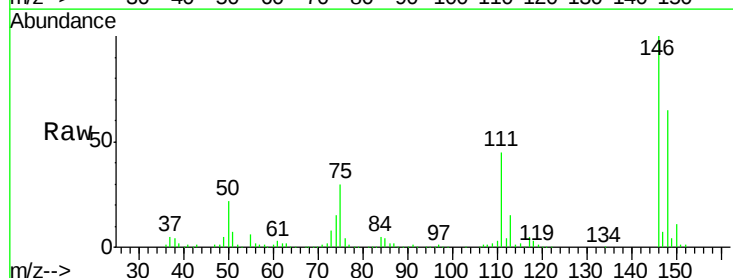
Tgt Ion:146 Resp: 241834

Ion Ratio Lower Upper

146 100

148 64.7 50.4 75.6

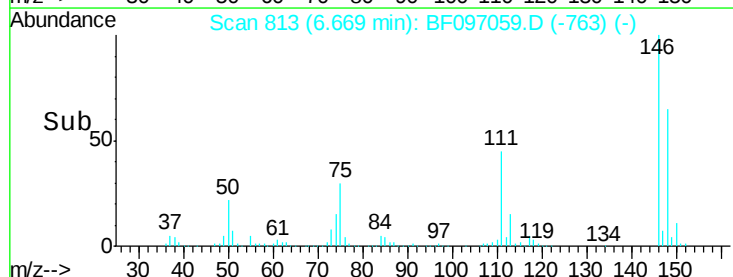
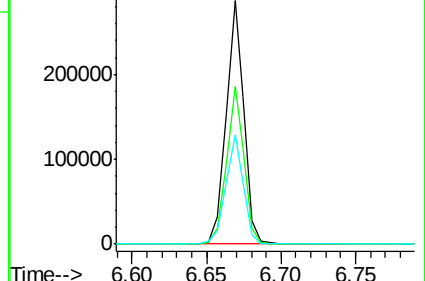
111 44.6 38.2 57.4

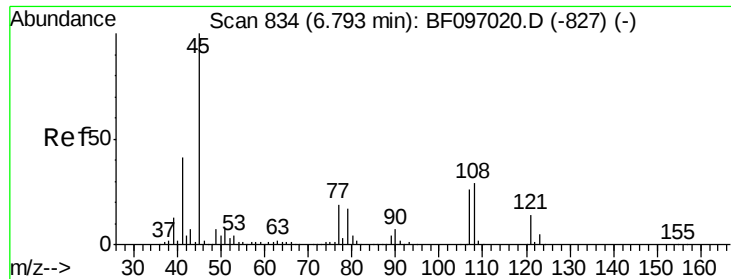


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

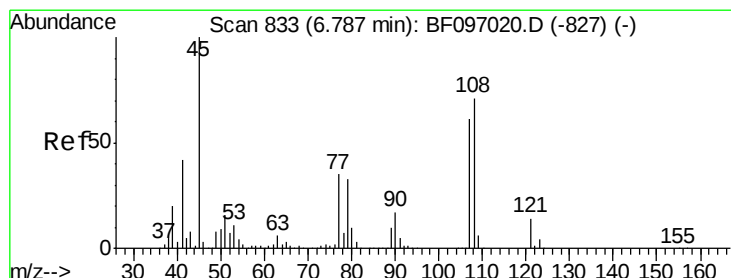
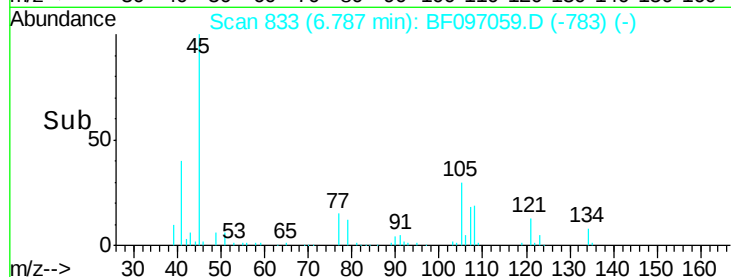
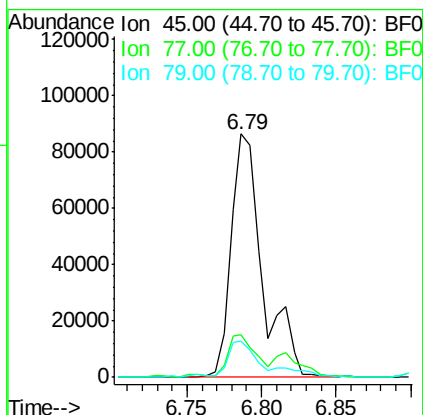
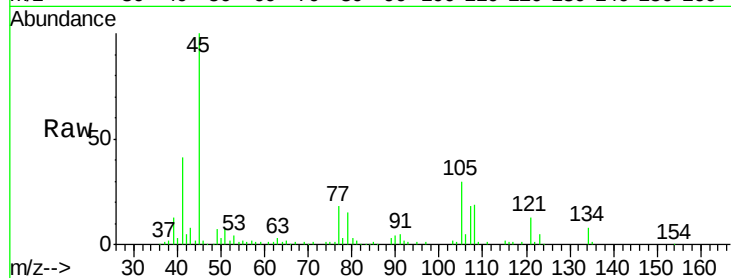




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 7.94 ng
RT: 6.79 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

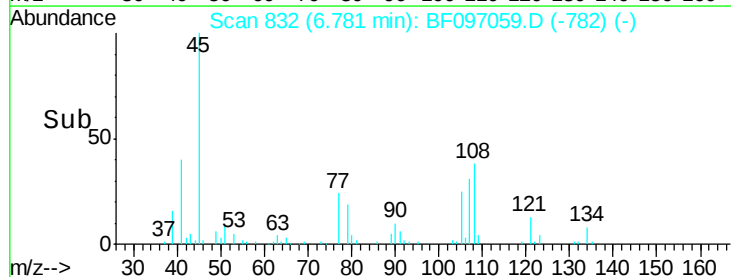
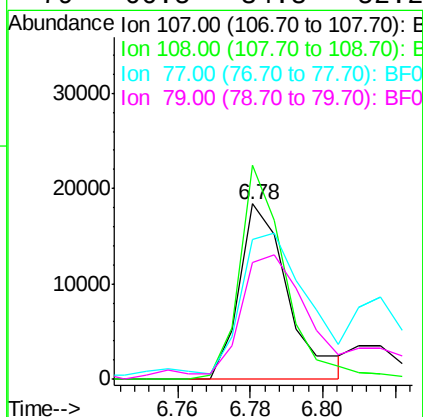
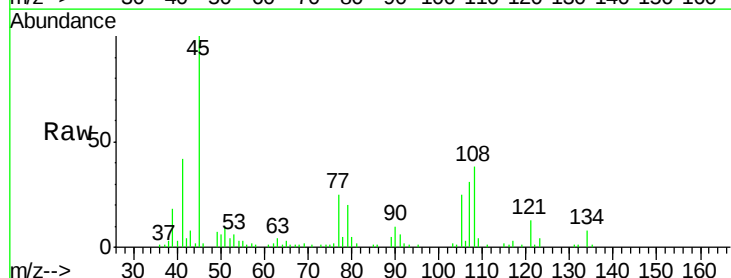
Instrument :
BNA_F
ClientSampleId :

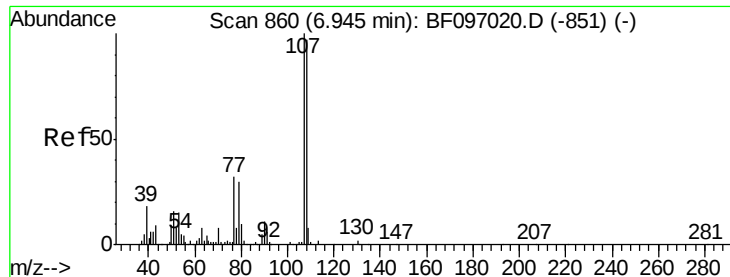
Tot Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	33.2
79	15.0	0.0	30.0



#17
2-Methylphenol
Concen: 2.77 ng
RT: 6.78 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	121.9	93.4	140.0
77	79.9	35.8	53.6#
79	66.5	34.8	52.2#

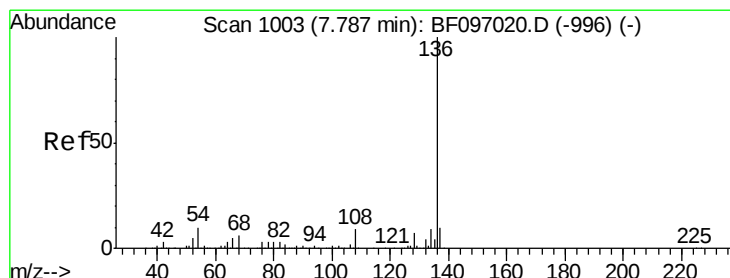
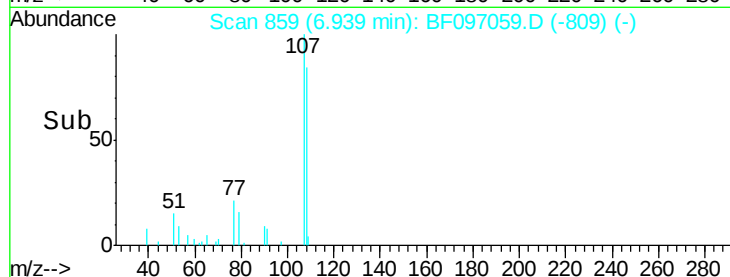
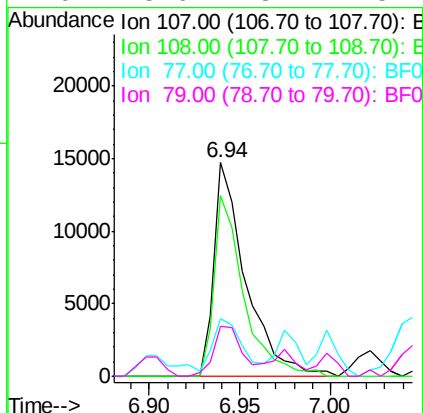
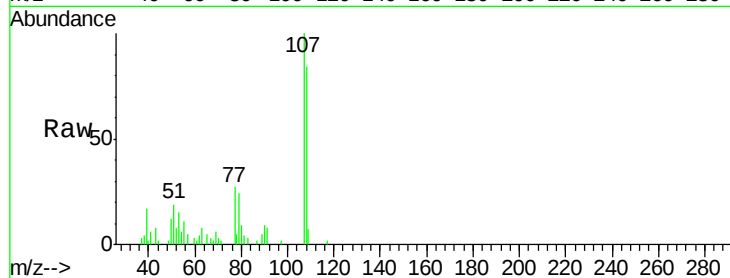




#20
3+4-Methylphenols
Concen: 2.22 ng
RT: 6.94 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

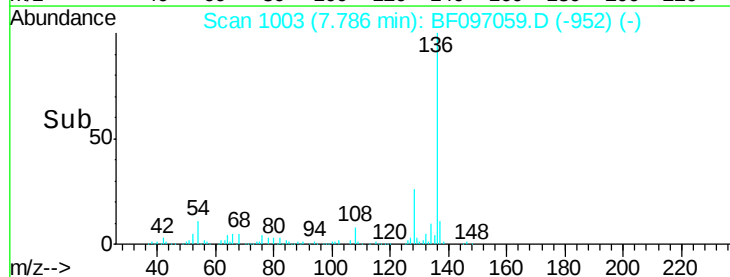
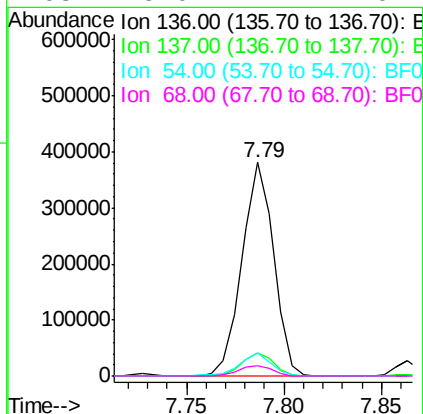
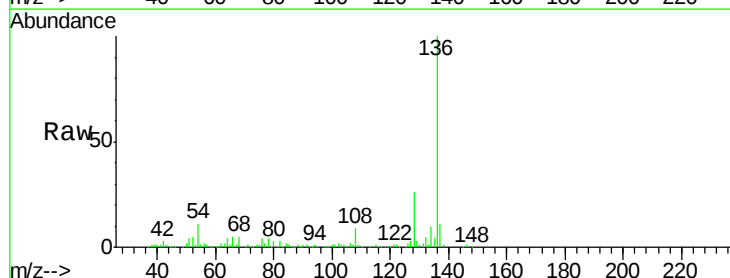
Instrument :
BNA_F
ClientSampleId :

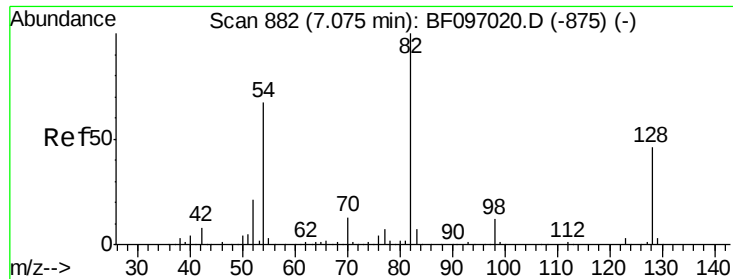
Tot Ion:	107	Resp:	18045
Ion	Ratio	Lower	Upper
107	100		
108	84.3	71.0	111.0
77	27.2	90.5	130.5#
79	23.6	8.4	48.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:	136	Resp:	428893
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.8	4.9	7.3#
68	5.0	4.1	6.1

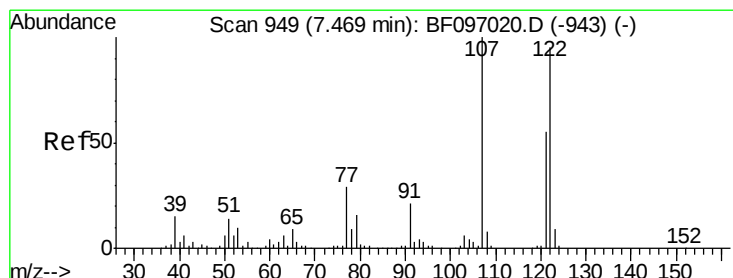
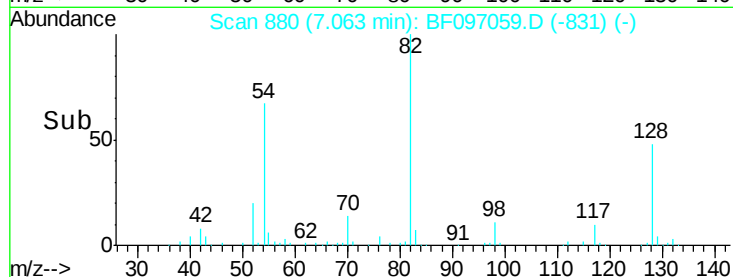
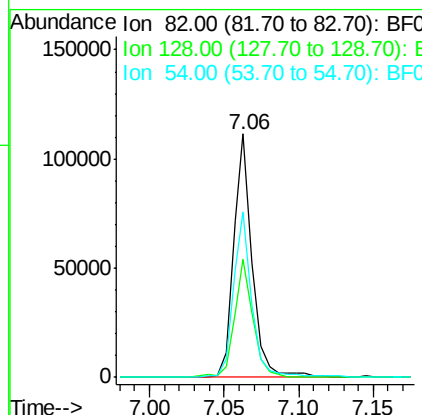
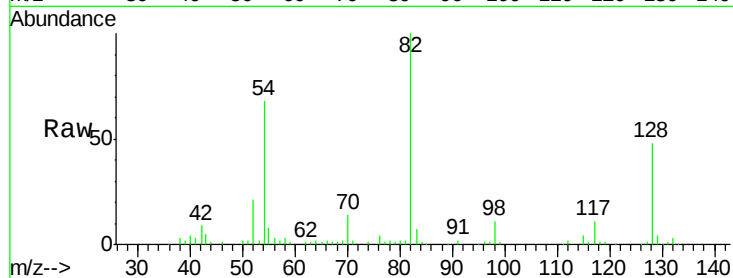




#23
Nitrobenzene-d5
Concen: 13.36 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

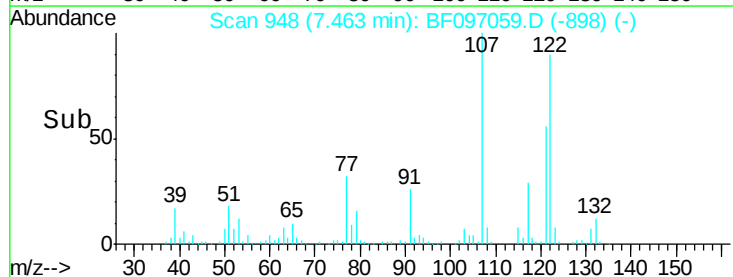
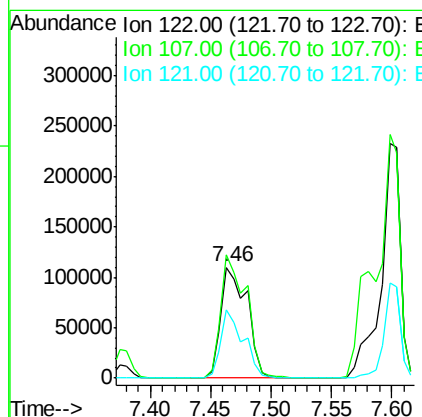
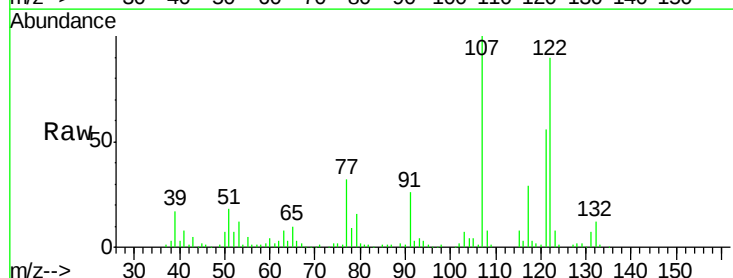
Instrument :
BNA_F
ClientSampleId :

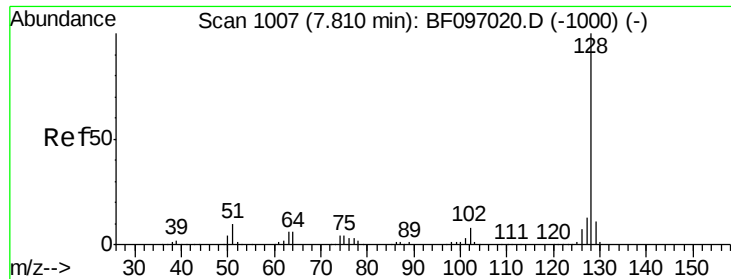
Tot Ion: 82 Resp: 97677
Ion Ratio Lower Upper
82 100
128 48.5 34.0 51.0
54 67.9 42.2 63.2#



#27
2,4-Dimethylphenol
Concen: 24.54 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:122 Resp: 166739
Ion Ratio Lower Upper
122 100
107 110.5 89.2 133.8
121 61.6 45.2 67.8

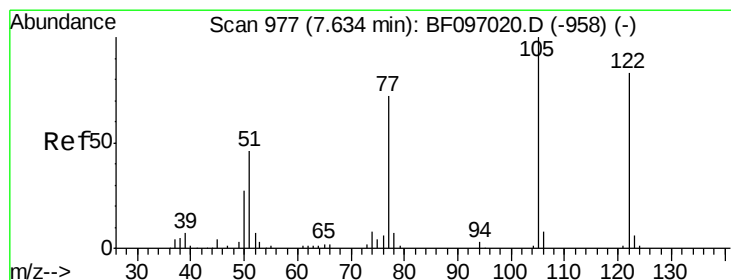
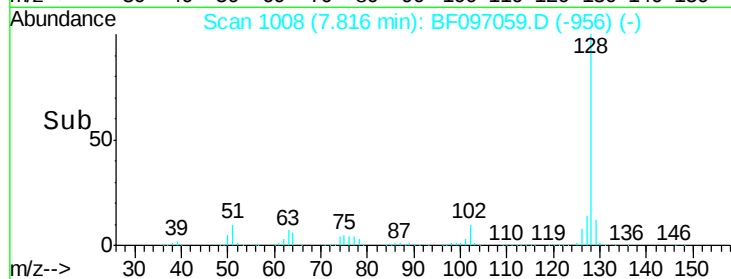
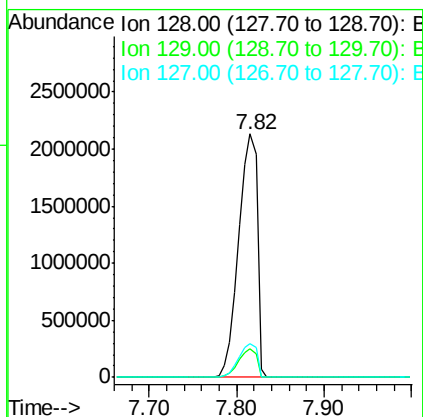
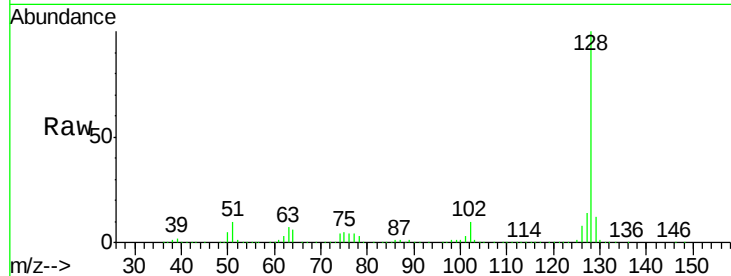




#31
Naphthalene
Concen: 149.43 ng
RT: 7.82 min Scan# 1008
Delta R.T. 0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

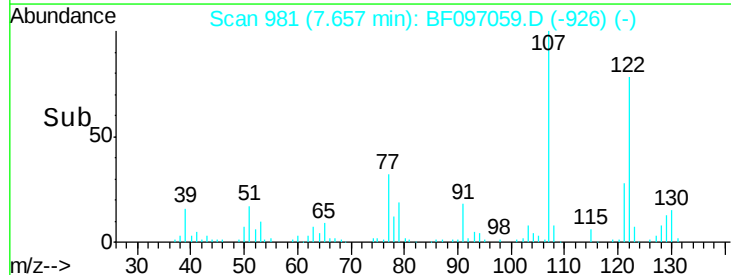
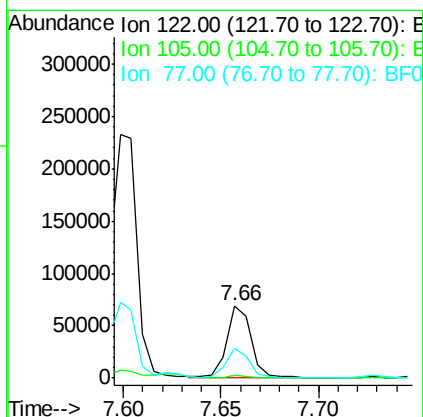
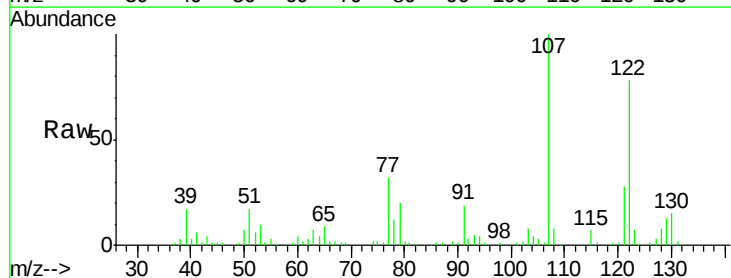
Instrument :
BNA_F
ClientSampleId :

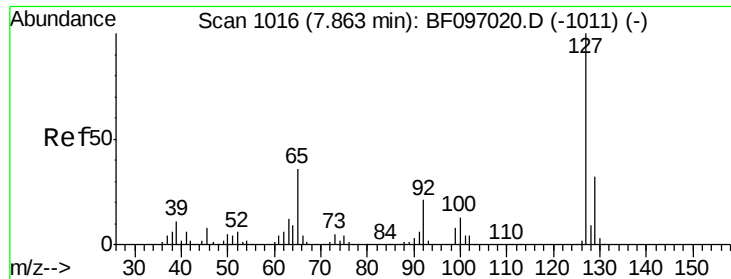
Tot Ion:128 Resp: 3021105
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 14.0 10.8 16.2



#32
Benzoic acid
Concen: 11.63 ng
RT: 7.66 min Scan# 981
Delta R.T. 0.02 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:122 Resp: 59000
Ion Ratio Lower Upper
122 100
105 3.4 103.3 143.3#
77 41.1 73.7 113.7#

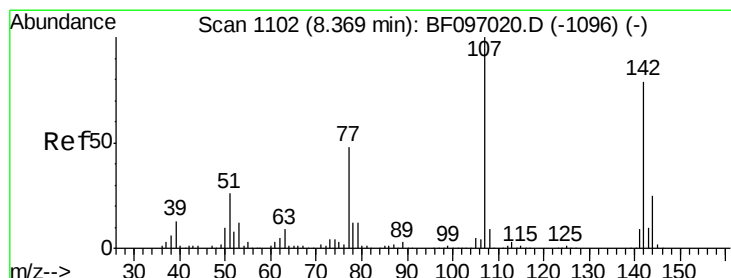
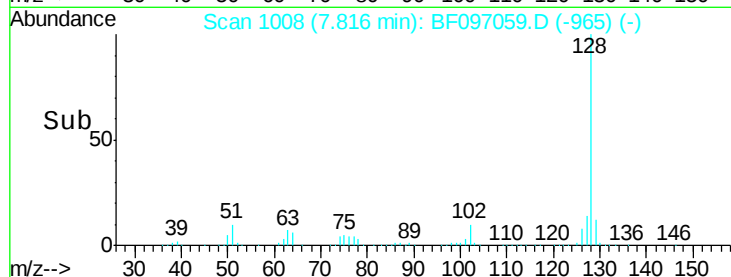
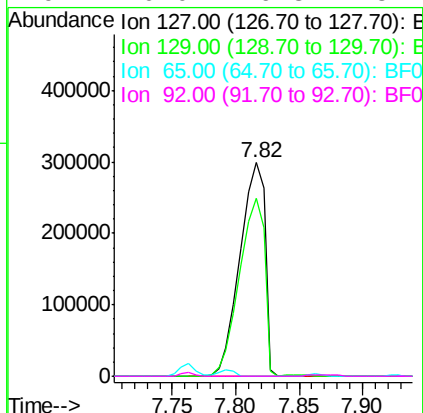
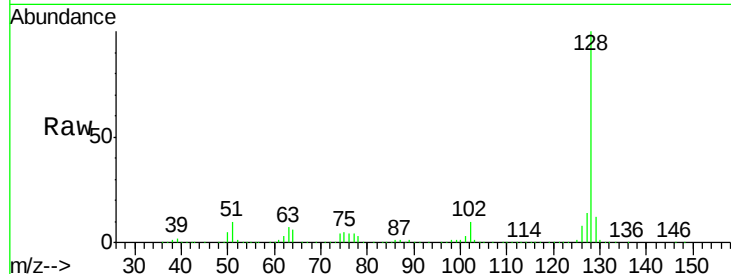




#33
4-Chloroaniline
Concen: 49.89 ng
RT: 7.82 min Scan# 1008
Delta R.T. -0.05 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

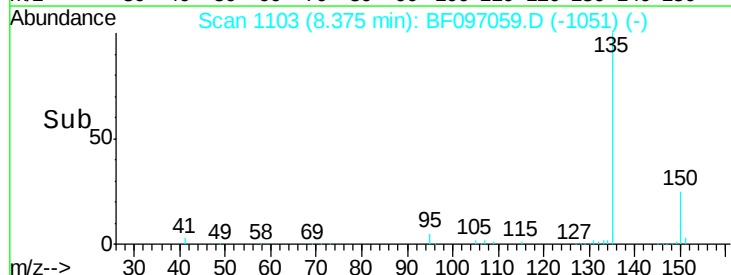
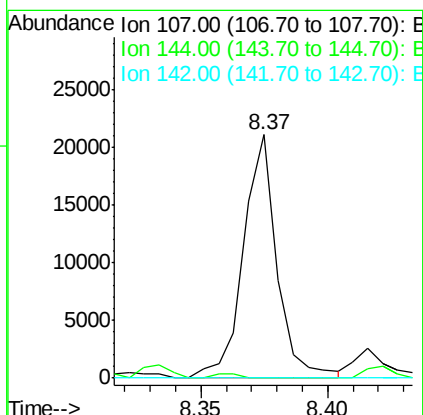
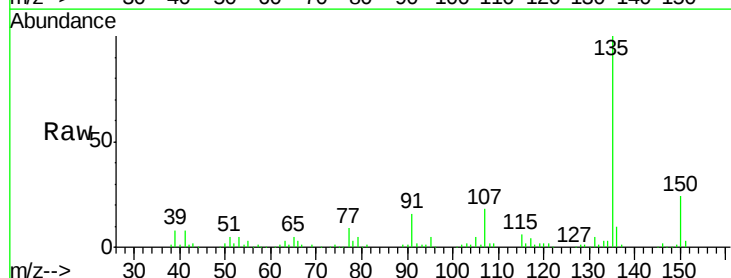
Instrument :
BNA_F
ClientSampleId :

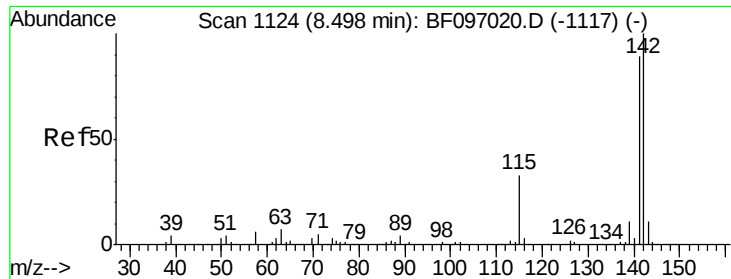
Tot Ion:127	Resp:	410389
Ion Ratio	Lower	Upper
127	100	
129	83.3	26.2 39.2#
65	0.0	27.8 41.8#
92	0.0	16.8 25.2#



#36
4-Chloro-3-methylphenol
Concen: 3.04 ng
RT: 8.37 min Scan# 1103
Delta R.T. 0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:107	Resp:	19423
Ion Ratio	Lower	Upper
107	100	
144	0.0	24.2 36.4#
142	0.0	73.4 110.0#

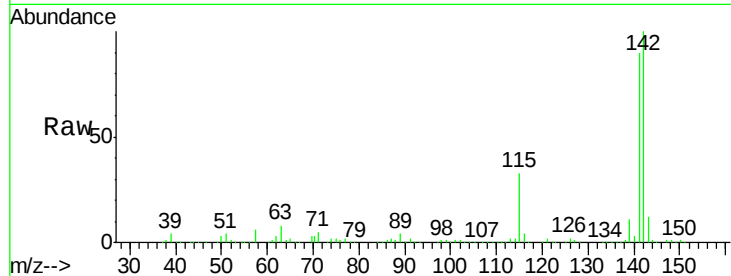




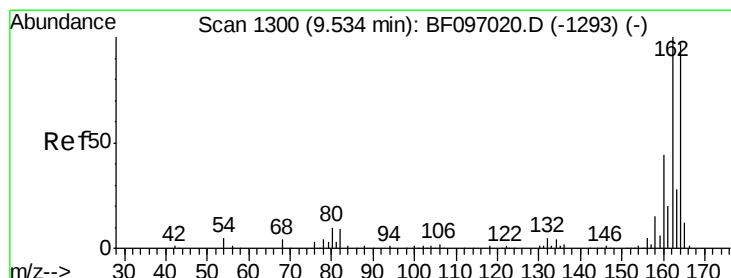
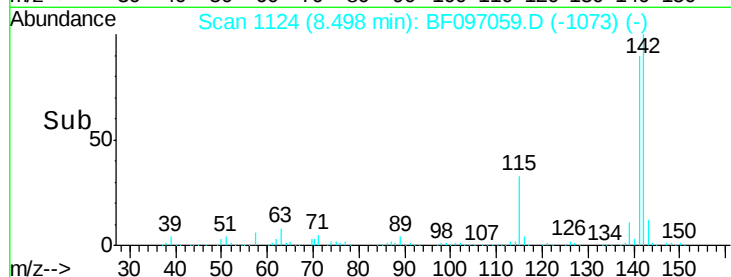
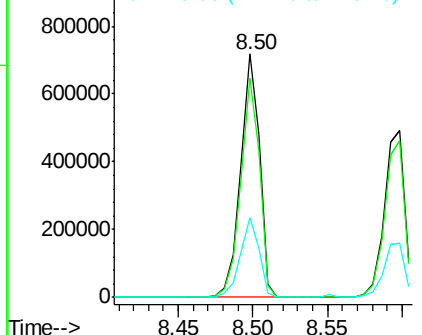
#37
2-Methylnaphthalene
Concen: 49.62 ng
RT: 8.50 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.3	106.9
115	32.9	27.1	40.7

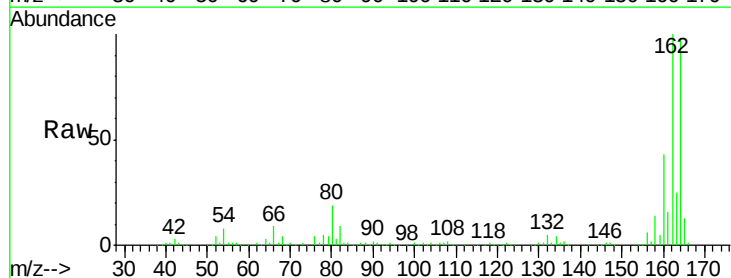


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

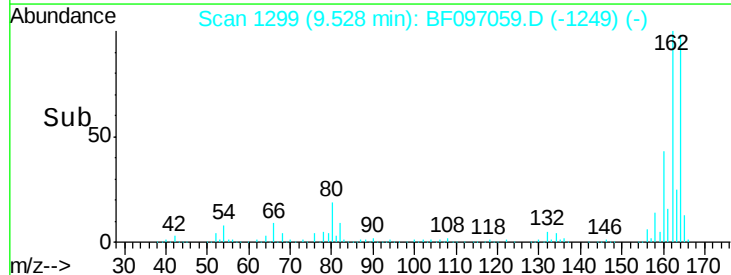
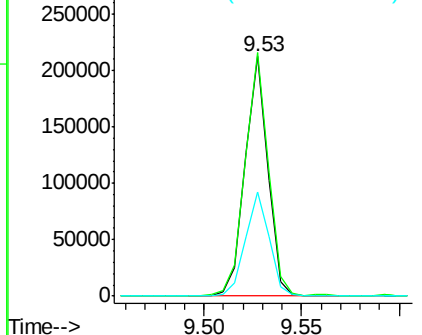


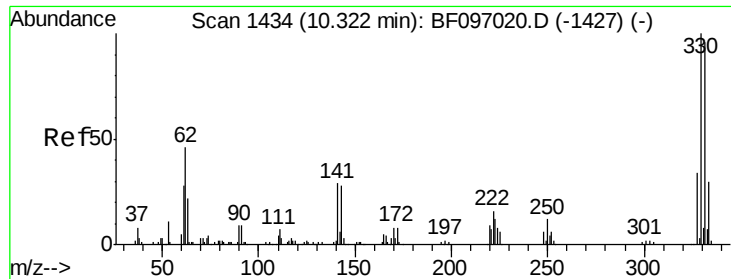
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	43.5	36.2	54.2



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

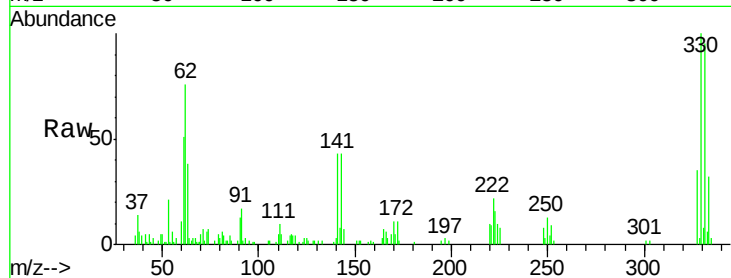




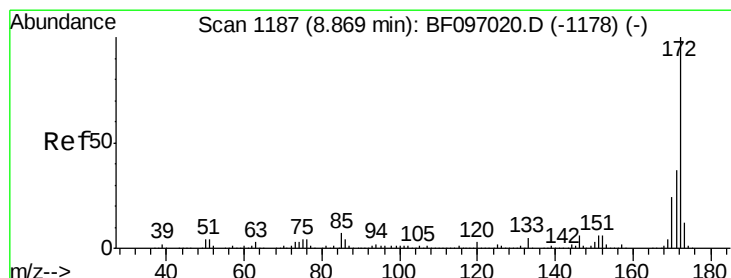
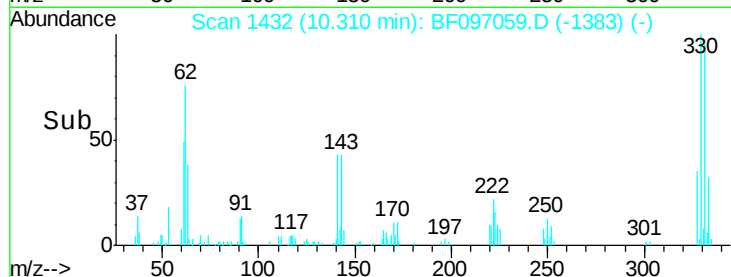
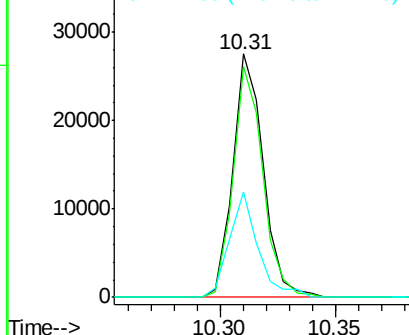
#41
 2,4,6-Tribromophenol
 Concen: 18.67 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 25276
 Ion Ratio Lower Upper
 330 100
 332 92.7 76.6 115.0
 141 40.9 31.4 47.2

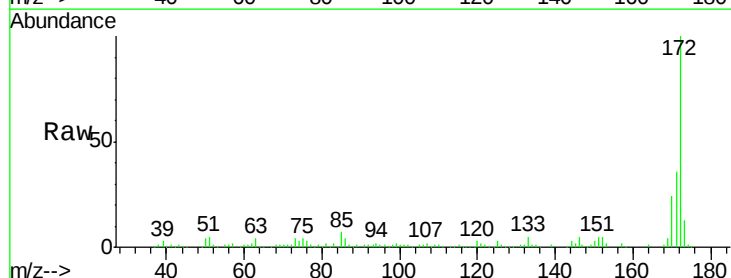


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

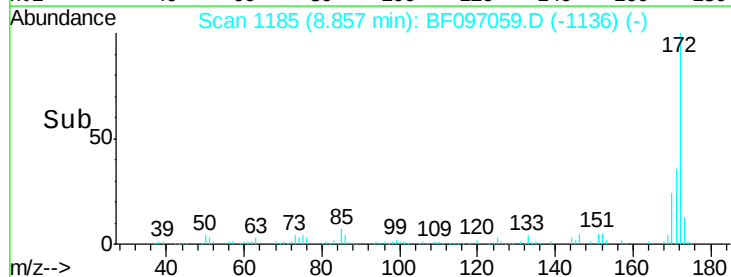
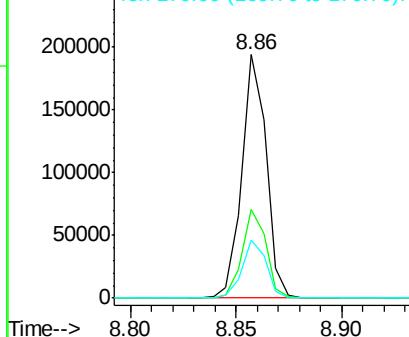


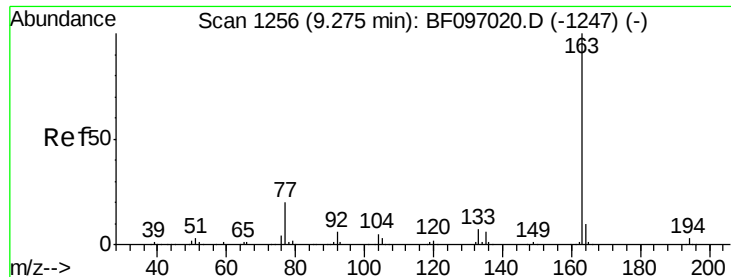
#44
 2-Fluorobiphenyl
 Concen: 15.35 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion:172 Resp: 155020
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.0 19.8 29.8



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

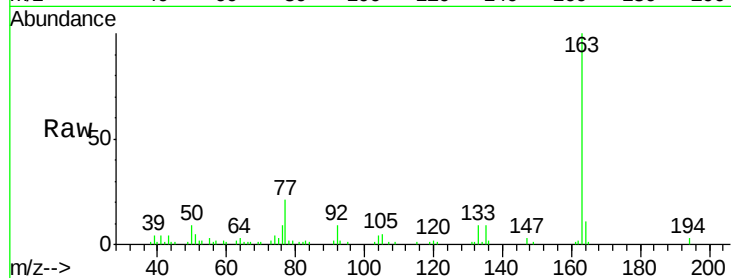




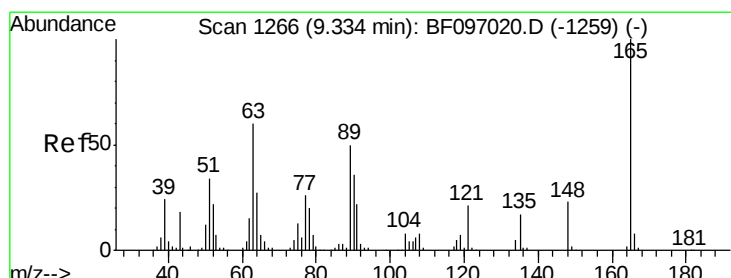
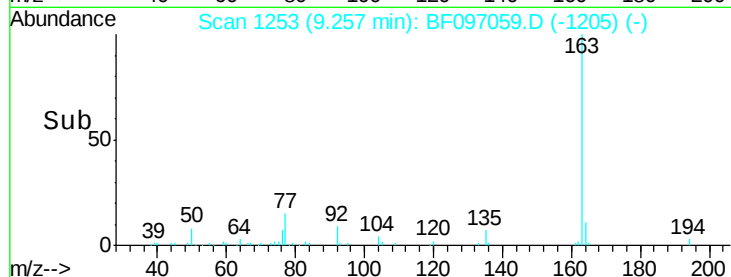
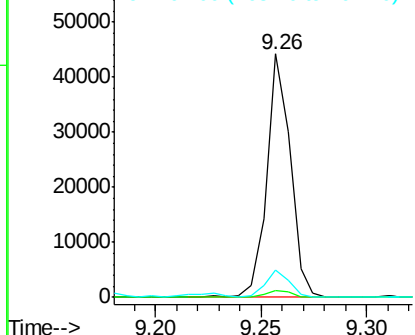
#49
Dimethylphthalate
Concen: 2.63 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 34254
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 11.0 8.4 12.6

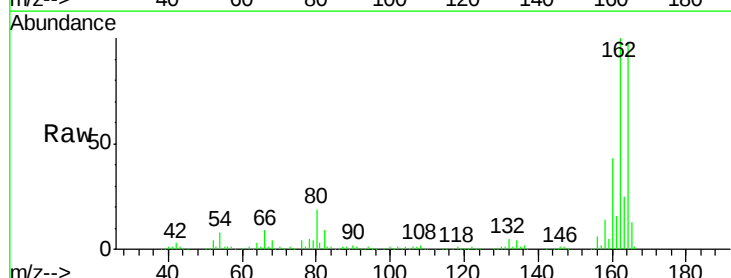


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

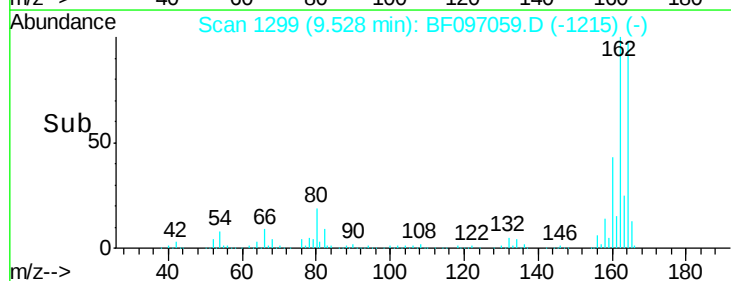
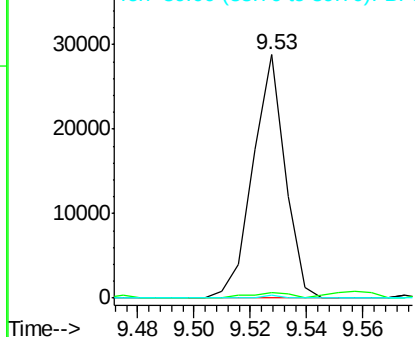


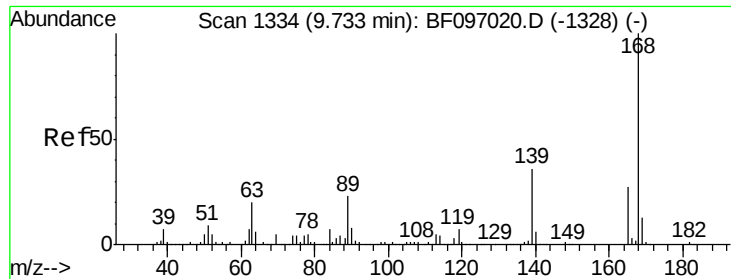
#50
2,6-Dinitrotoluene
Concen: 8.26 ng
RT: 9.53 min Scan# 1299
Delta R.T. 0.19 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:165 Resp: 22804
Ion Ratio Lower Upper
165 100
63 2.4 34.3 51.5#
89 1.5 37.1 55.7#



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

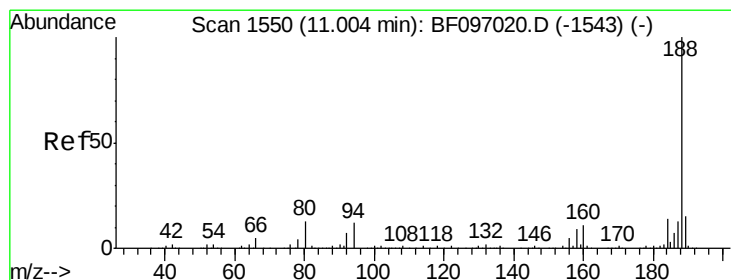
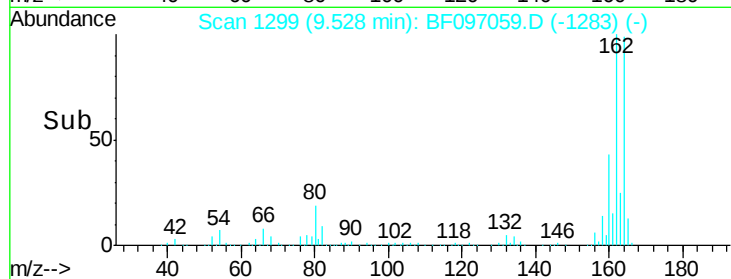
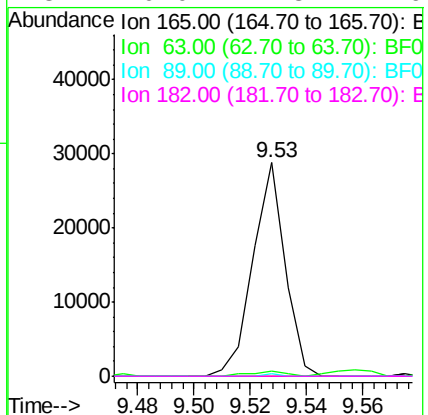
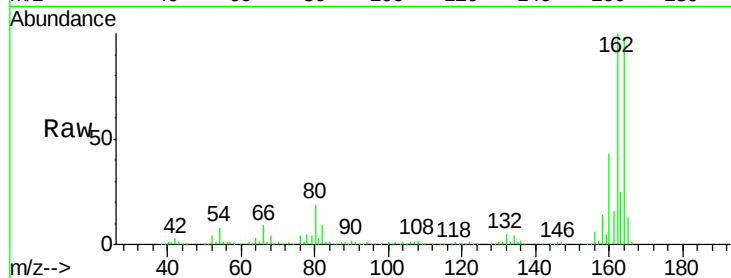




#56
 2,4-Dinitrotoluene
 Concen: 7.19 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

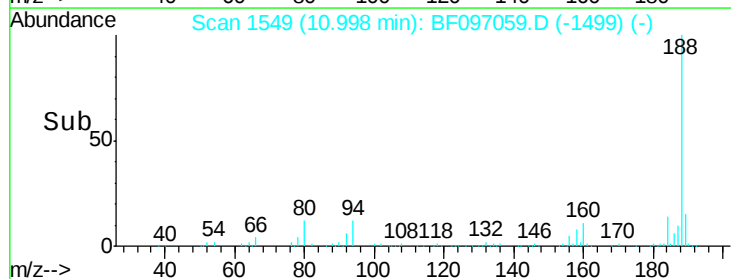
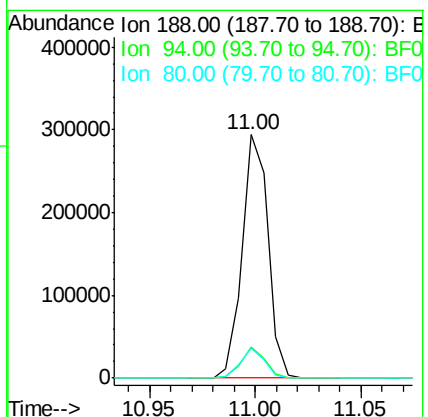
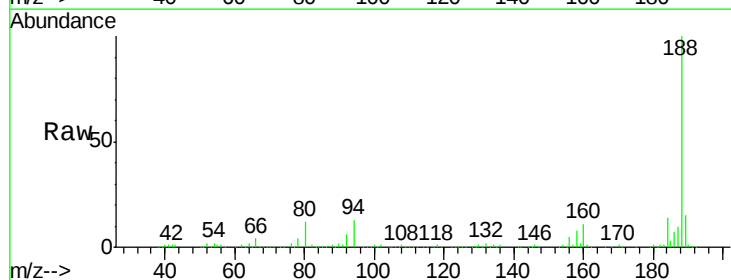
Instrument :
 BNA_F
 ClientSampleId :

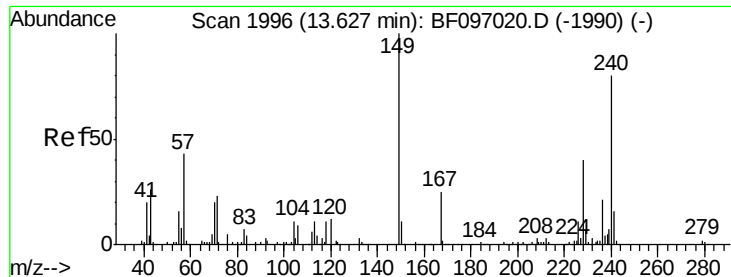
Tot Ion:165 Resp: 22804
 Ion Ratio Lower Upper
 165 100
 63 2.4 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion:188 Resp: 249704
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.4 14.2
 80 12.2 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

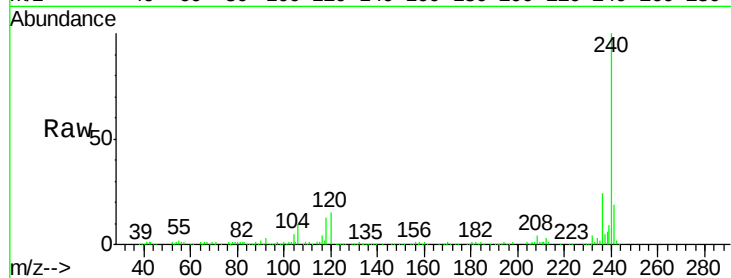
Tot Ion:240 Resp: 201280

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

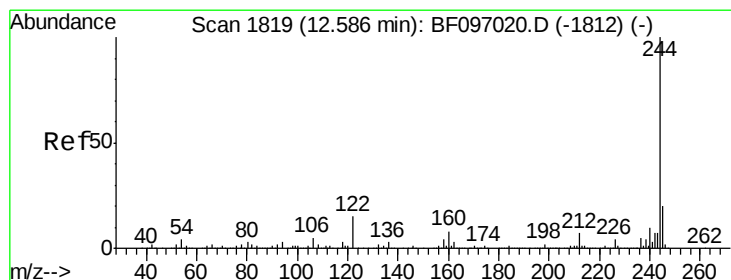
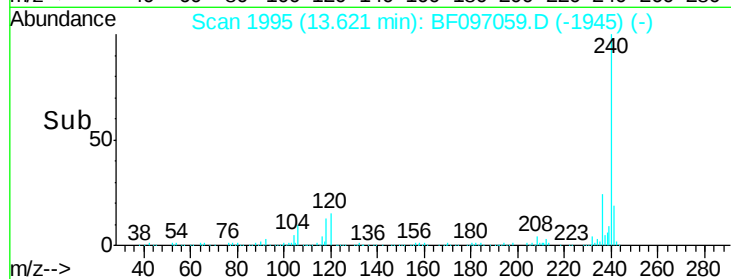
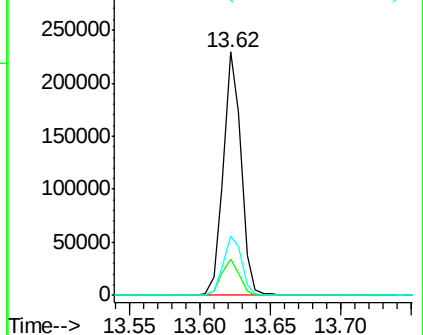
236 24.5 20.5 30.7



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



#78

Terphenyl-d14

Concen: 7.97 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

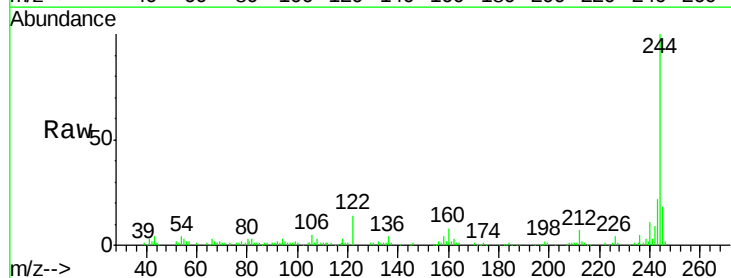
Tgt Ion:244 Resp: 78679

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

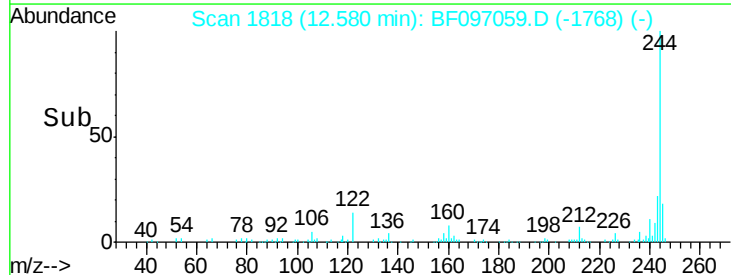
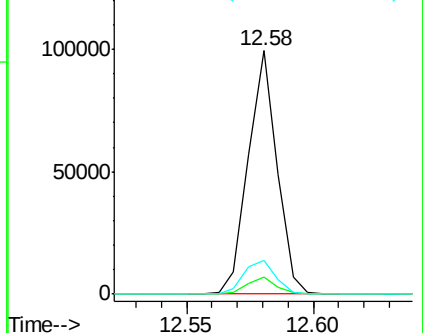
122 13.7 10.3 15.5

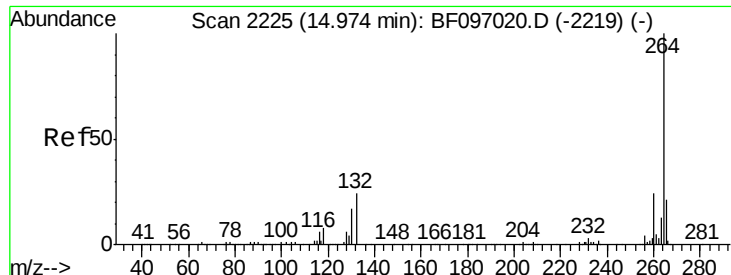


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

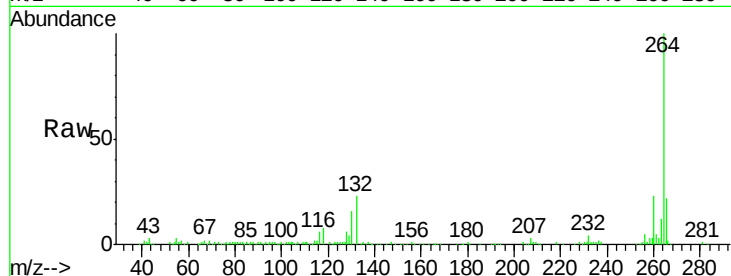




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8



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

