

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097027.D
 Acq On : 25 Jul 2017 14:27
 Operator : SJ/JU
 Sample : I4399-01 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 14:54:07 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	139318	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	537182	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	256408	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	426976	20.00	ng	0.00
75) Chrysene-d12	13.62	240	255709	20.00	ng	0.00
86) Perylene-d12	14.97	264	206634	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	185053	20.02	ng	0.00
7) Phenol-d6	6.16	99	219163	20.77	ng	-0.01
23) Nitrobenzene-d5	7.06	82	133666	14.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	44941	22.18	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	222004	14.69	ng	-0.01
78) Terphenyl-d14	12.58	244	138820	11.07	ng	0.00

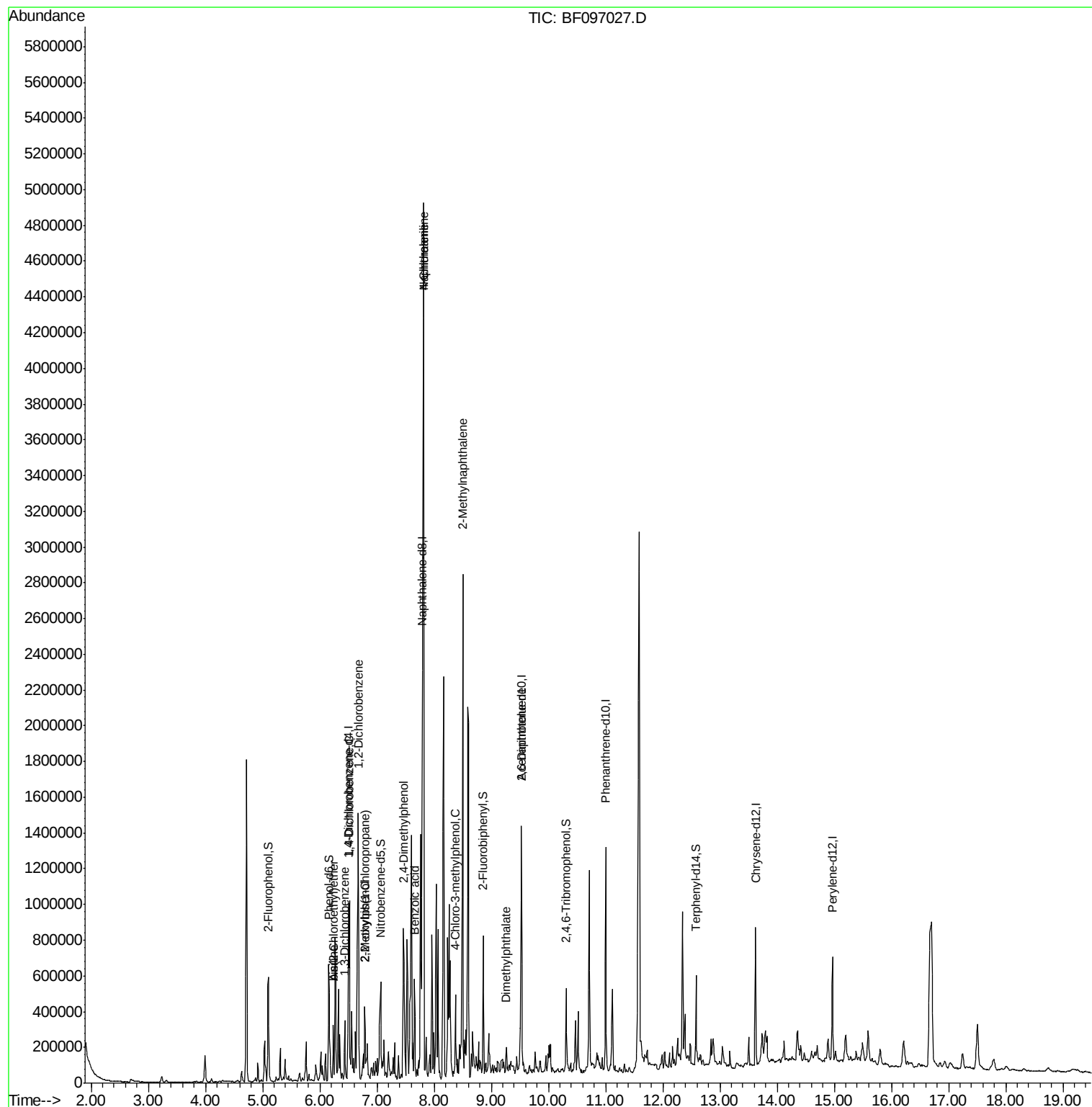
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.23	93	85686	6.454	ng	# 53
11) bis(2-Chloroethyl)ether	6.23	93	85686	8.657	ng	90
12) 1,3-Dichlorobenzene	6.43	146	78352	7.357	ng	98
13) 1,4-Dichlorobenzene	6.52	146	226403	21.452	ng	96
14) 1,2-Dichlorobenzene	6.67	146	311994	33.857	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.79	45	168348	8.480	ng	89
17) 2-Methylphenol	6.78	107	22151	2.904	ng	# 78
27) 2,4-Dimethylphenol	7.46	122	213564	25.092	ng	96
31) Naphthalene	7.82	128	3736243	147.548	ng	99
32) Benzoic acid	7.66	122	76480	12.034	ng	# 16
33) 4-Chloroaniline	7.82	127	514697	49.954	ng	# 33
36) 4-Chloro-3-methylphenol	8.37	107	24692	3.087	ng	# 14
37) 2-Methylnaphthalene	8.50	142	839268	52.347	ng	99
49) Dimethylphthalate	9.26	163	49369	2.535	ng	# 95
50) 2,6-Dinitrotoluene	9.53	165	34212	8.284	ng	# 34

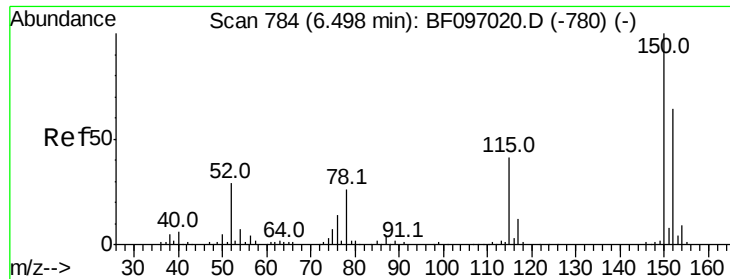
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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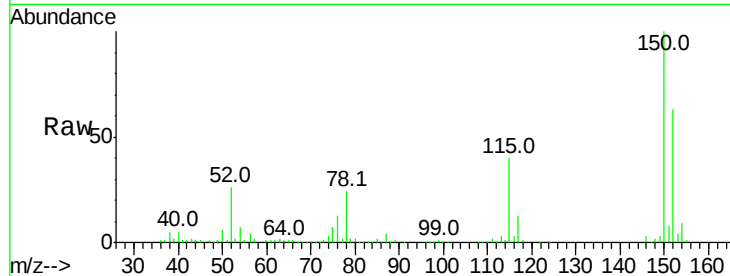


#1

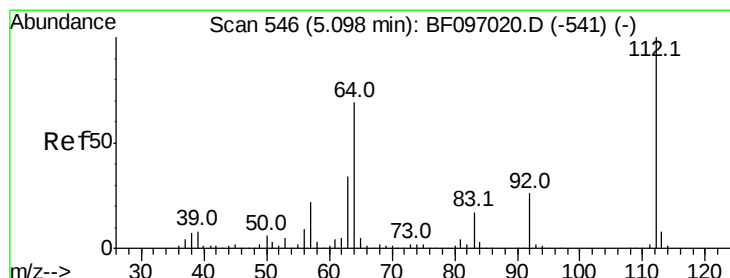
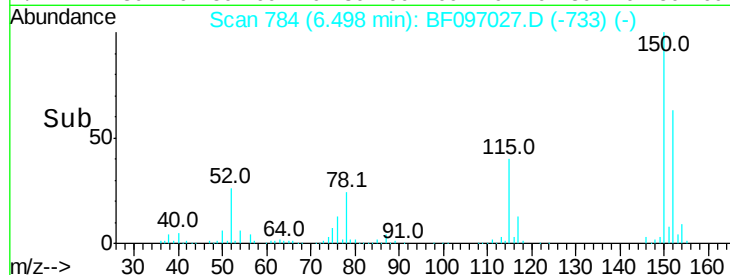
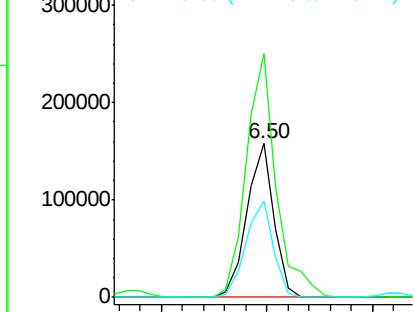
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139318
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.2
115 63.1 52.2 78.2



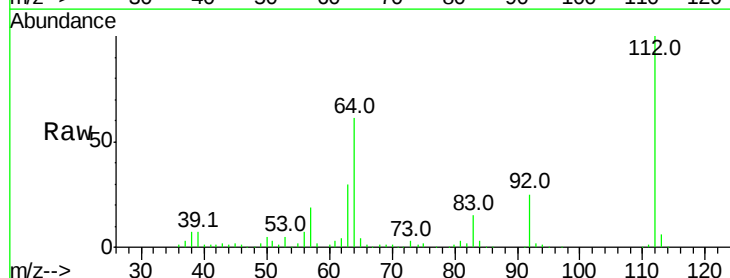
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



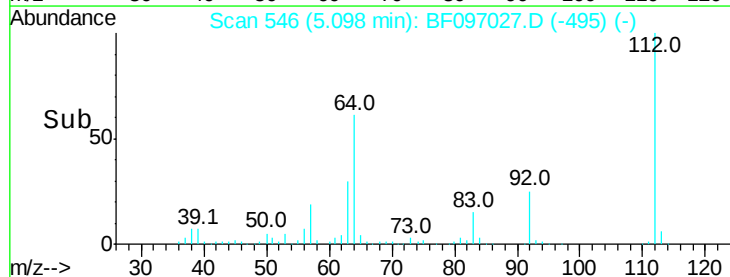
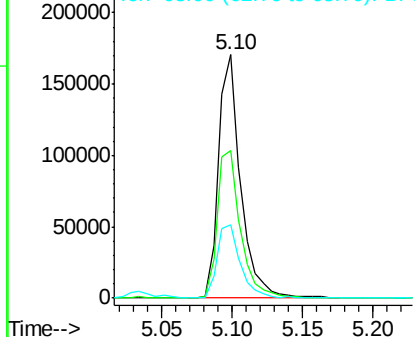
#5

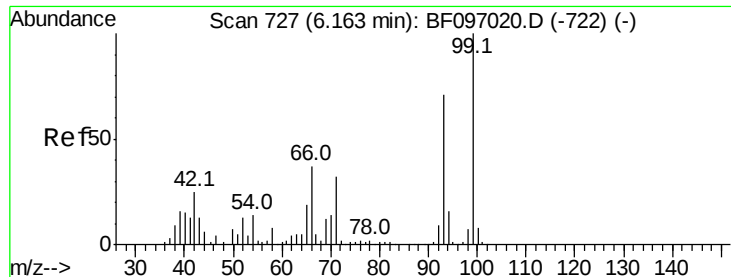
2-Fluorophenol
Concen: 20.024 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion:112 Resp: 185053
Ion Ratio Lower Upper
112 100
64 60.8 46.0 69.0
63 30.4 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: 6.454 ng

RT: 6.23 min Scan# 739

Delta R.T. 0.07 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

ClientSampleId :

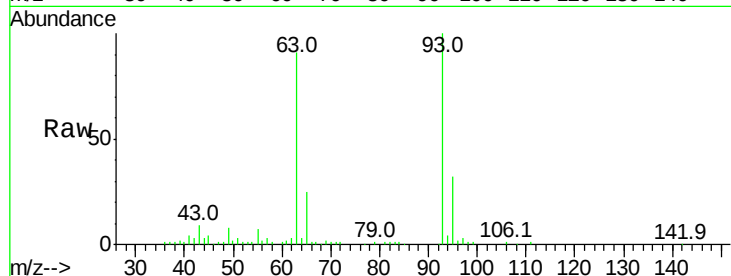
Tot Ion: 93 Resp: 85686

Ion Ratio Lower Upper

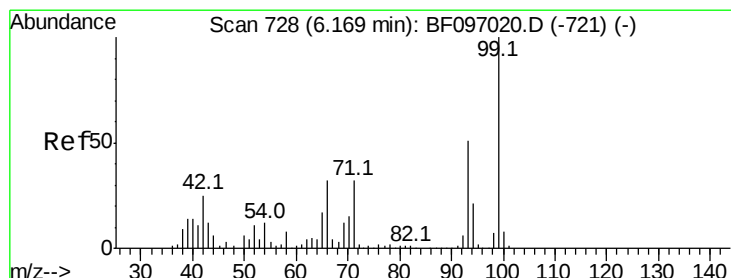
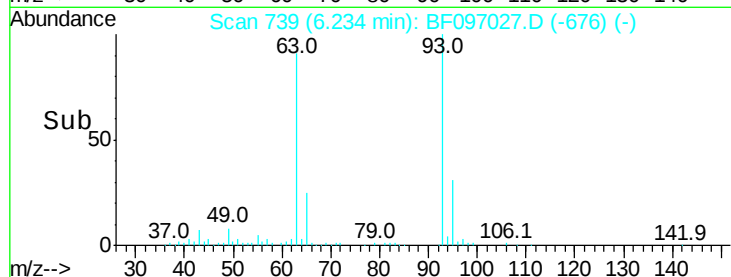
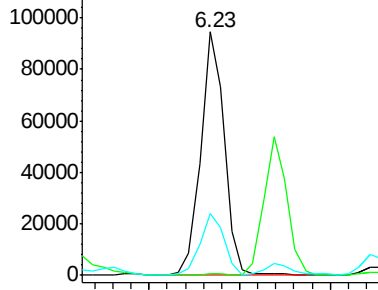
93 100

66 0.6 32.9 49.3#

65 25.4 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 20.773 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

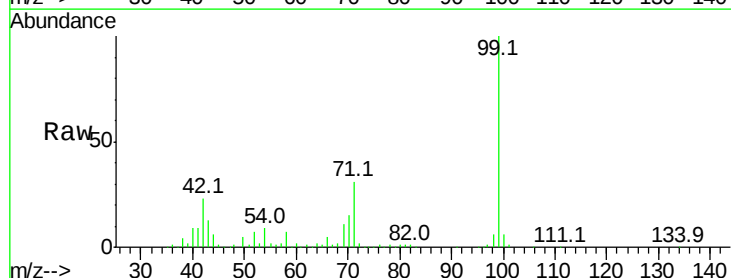
Tgt Ion: 99 Resp: 219163

Ion Ratio Lower Upper

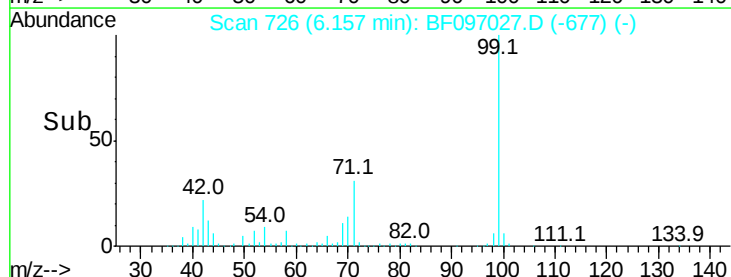
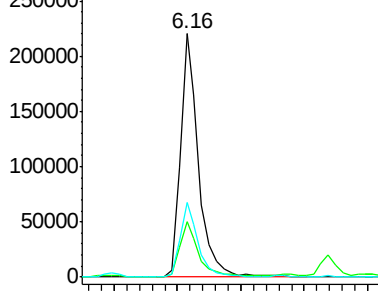
99 100

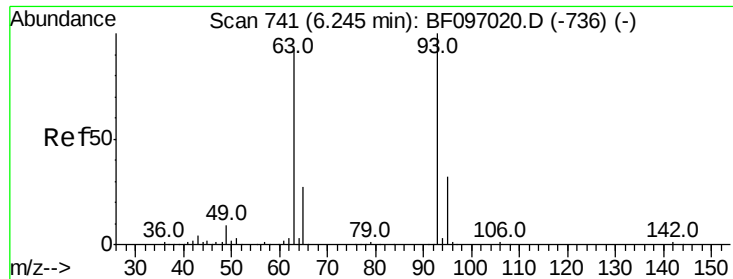
42 23.0 13.5 20.3#

71 30.7 24.5 36.7



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





#11

bis(2-Chloroethyl)ether

Concen: 8.657 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

ClientSampleId :

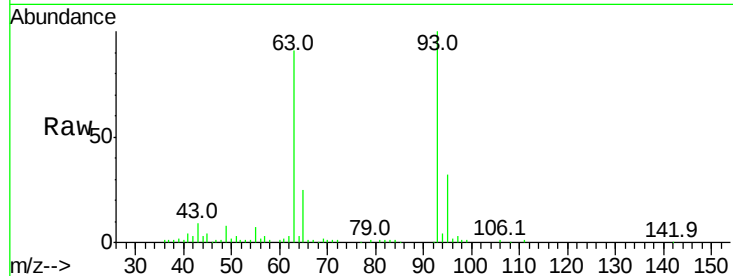
Tot Ion: 93 Resp: 85686

Ion Ratio Lower Upper

93 100

63 91.3 59.2 99.2

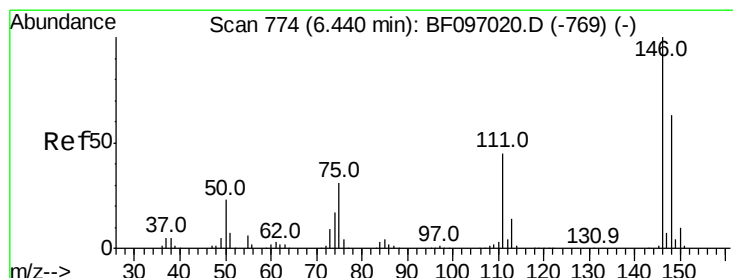
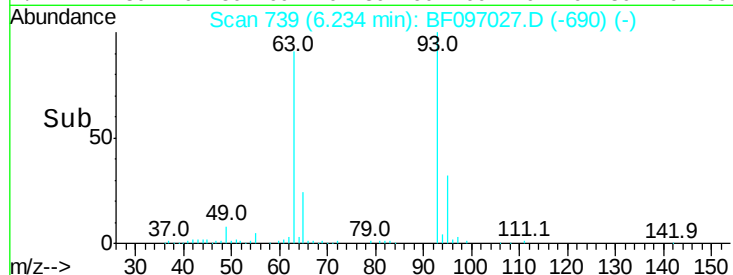
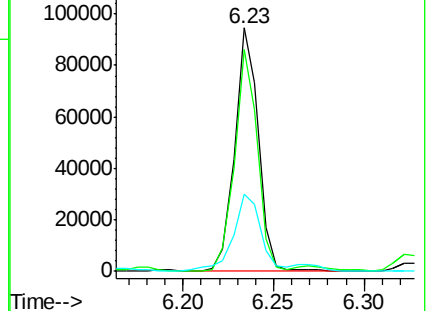
95 31.9 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 7.357 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

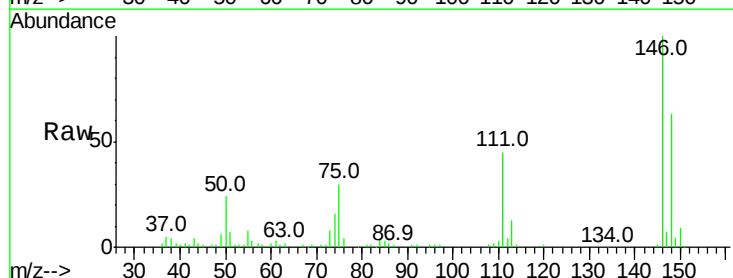
Tgt Ion: 146 Resp: 78352

Ion Ratio Lower Upper

146 100

148 63.1 51.8 77.6

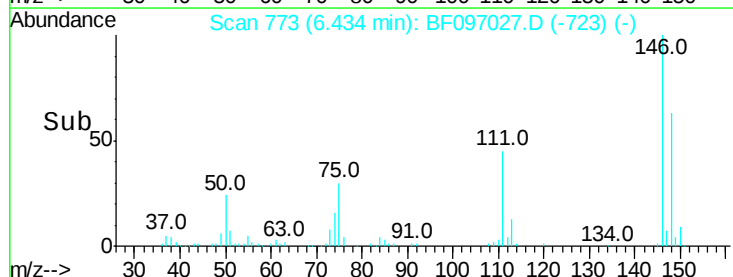
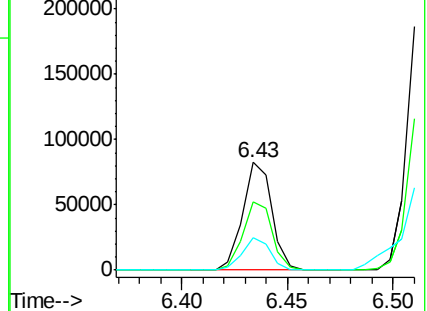
75 29.8 23.1 34.7

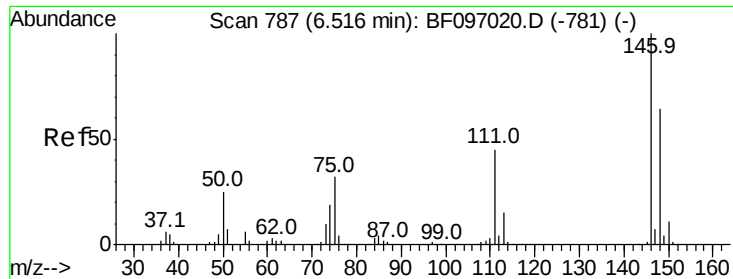


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

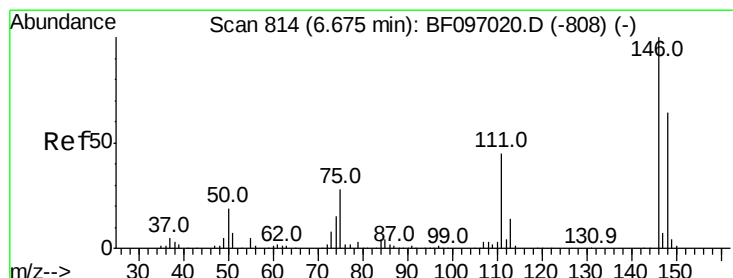
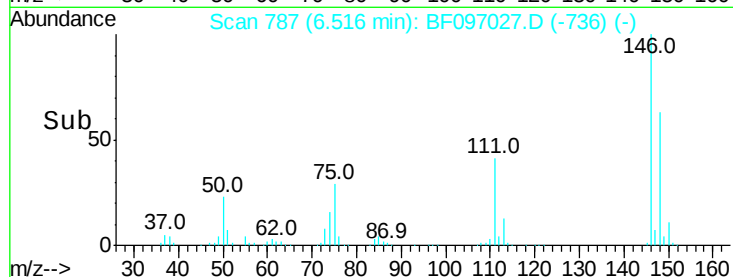
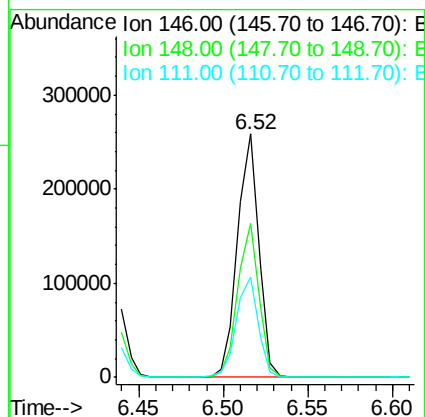
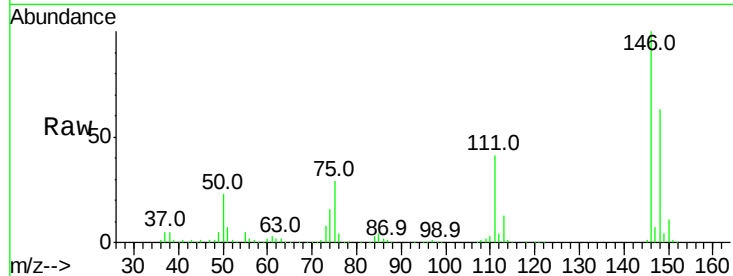




#13
 1,4-Dichlorobenzene
 Concen: 21.452 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

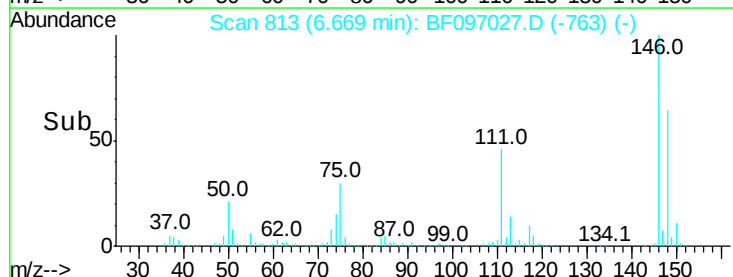
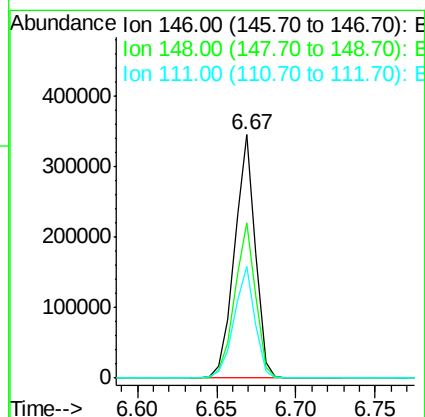
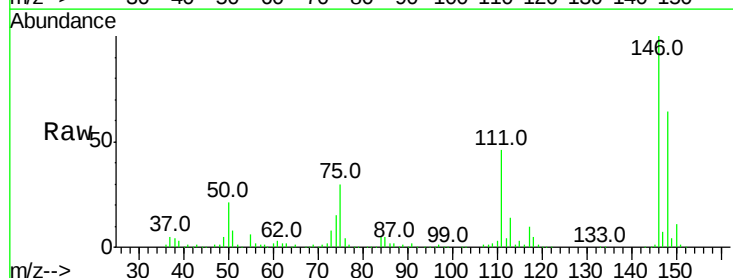
Instrument :
 BNA_F
 ClientSampleId :

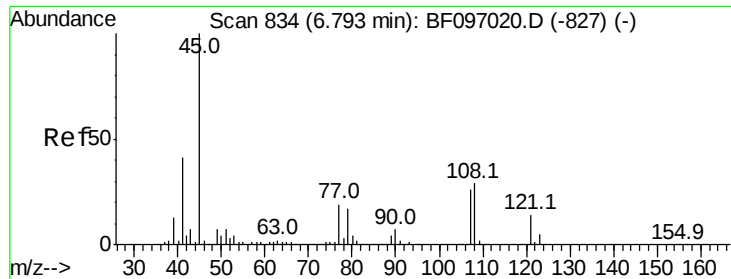
Tot Ion:146 Resp: 226403
 Ion Ratio Lower Upper
 146 100
 148 63.1 52.2 78.2
 111 41.3 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 33.857 ng
 RT: 6.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Tgt Ion:146 Resp: 311994
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.4 75.6
 111 45.7 38.2 57.4

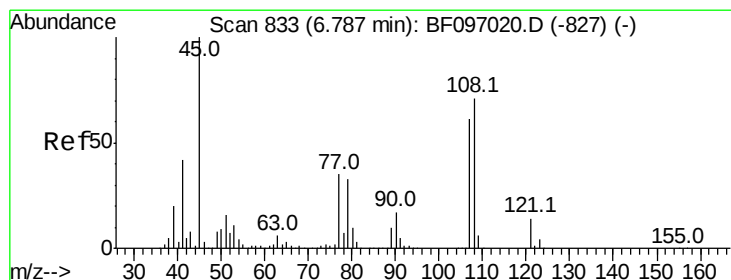
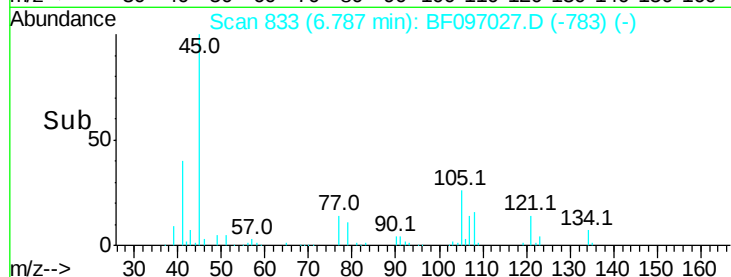
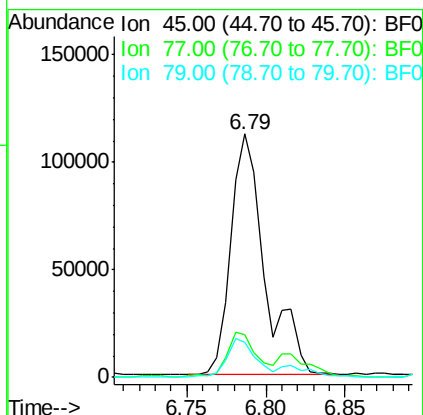
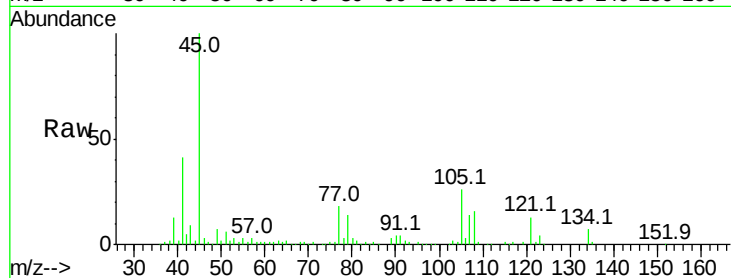




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 8.480 ng
 RT: 6.79 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

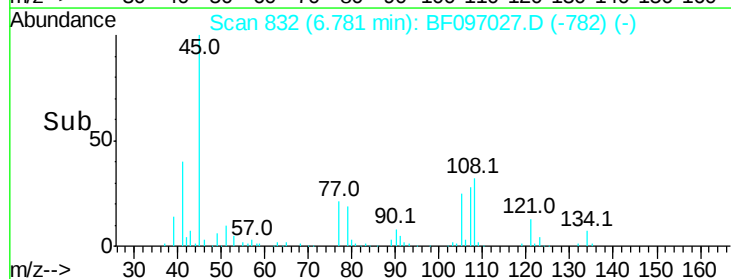
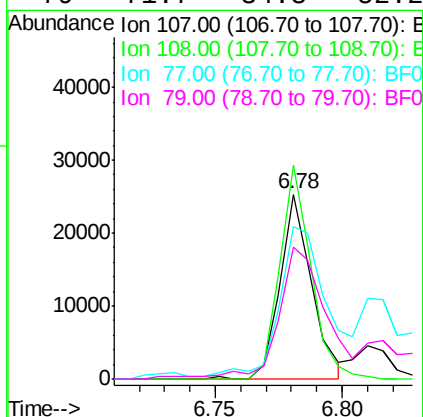
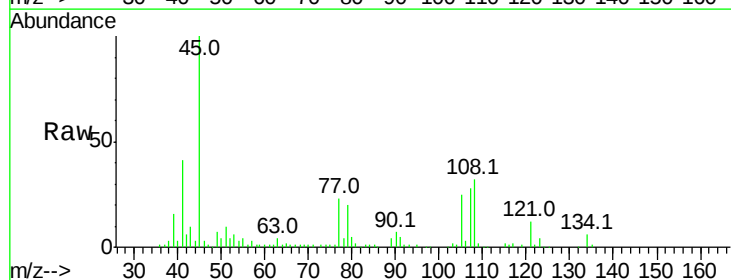
Instrument :
 BNA_F
 ClientSampleId :

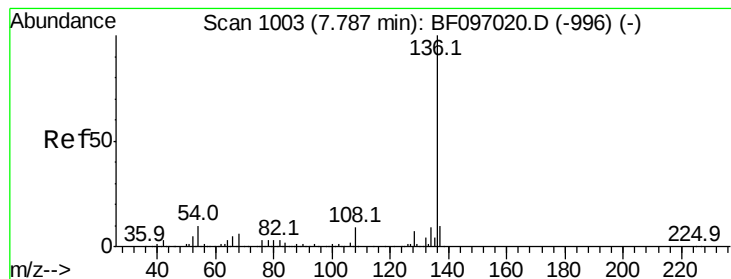
Tot Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	33.2
79	14.4	0.0	30.0



#17
 2-Methylphenol
 Concen: 2.904 ng
 RT: 6.78 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	115.7	93.4	140.0
77	82.3	35.8	53.6#
79	71.7	34.8	52.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.79 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 537182

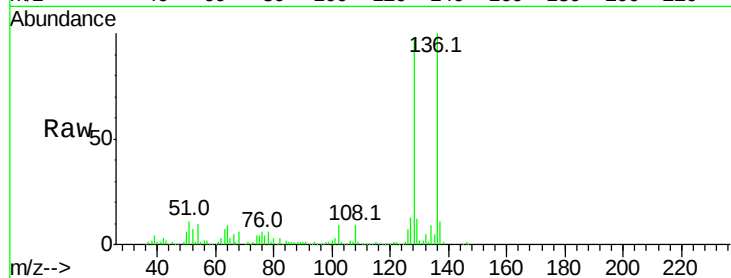
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.4 4.9 7.3#

68 5.5 4.1 6.1

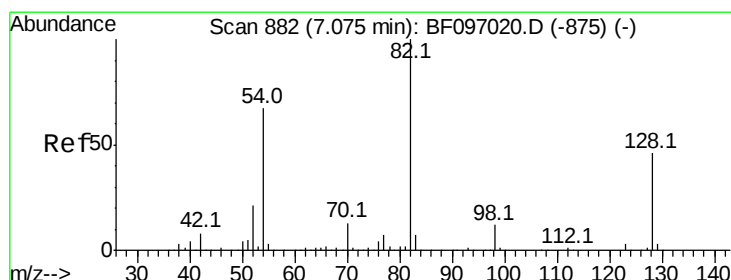
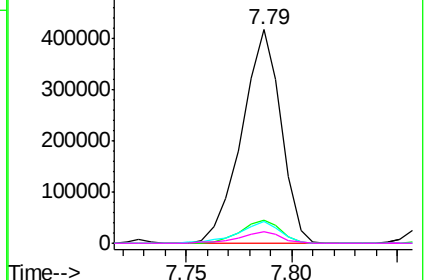
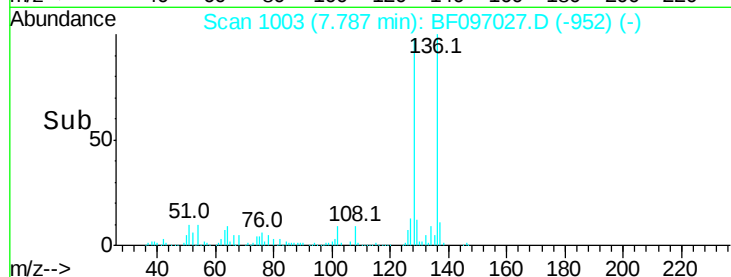


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.597 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

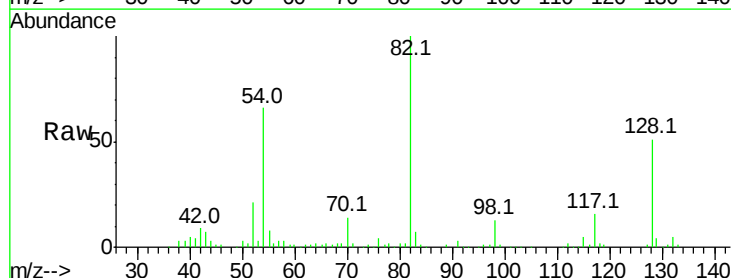
Tgt Ion: 82 Resp: 133666

Ion Ratio Lower Upper

82 100

128 50.8 34.0 51.0

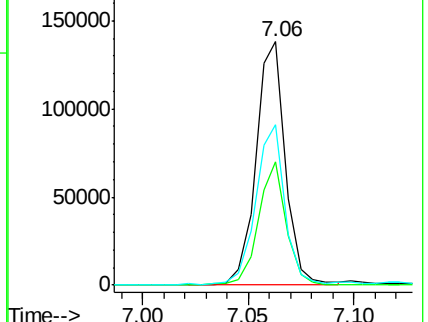
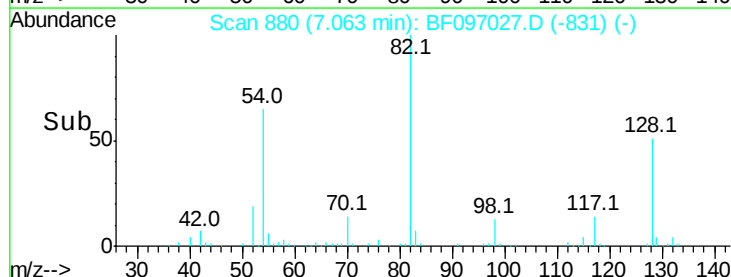
54 65.9 42.2 63.2#

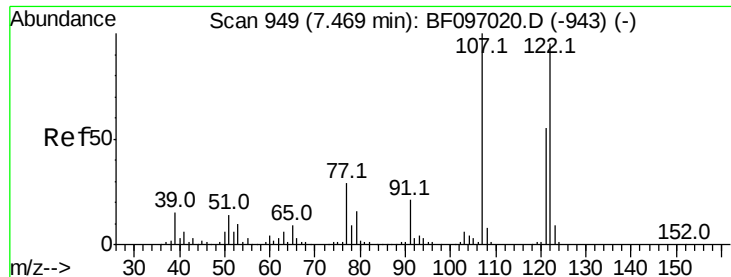


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 25.092 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

ClientSampleId :

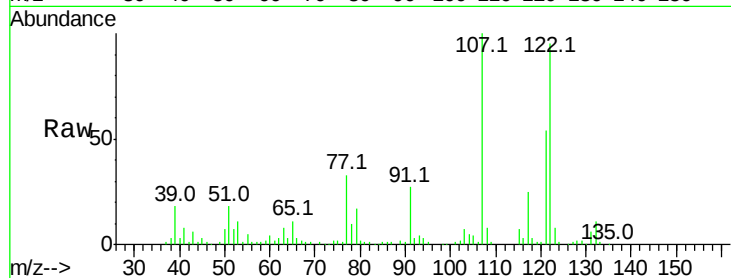
Tot Ion:122 Resp: 213564

Ion Ratio Lower Upper

122 100

107 105.3 89.2 133.8

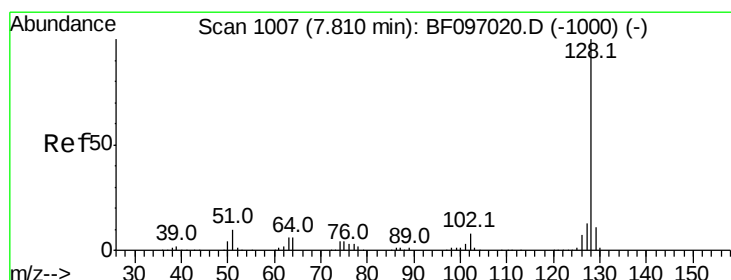
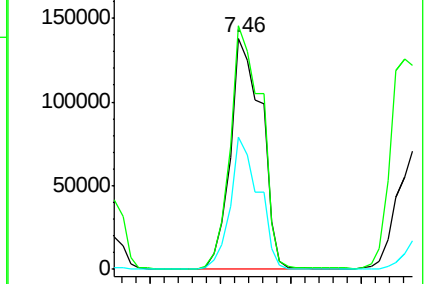
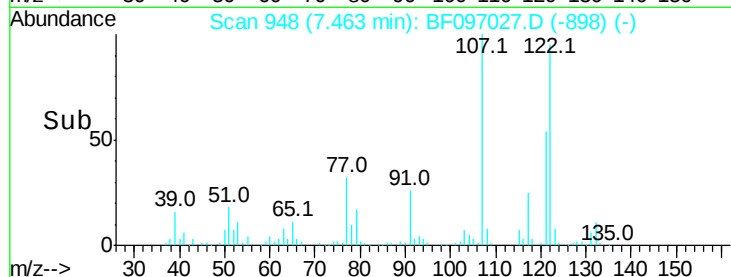
121 57.1 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 147.548 ng

RT: 7.82 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

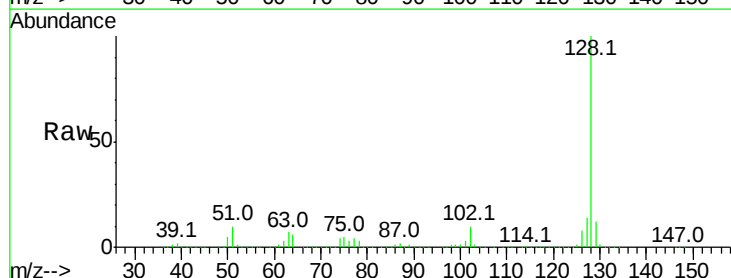
Tgt Ion:128 Resp: 3736243

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

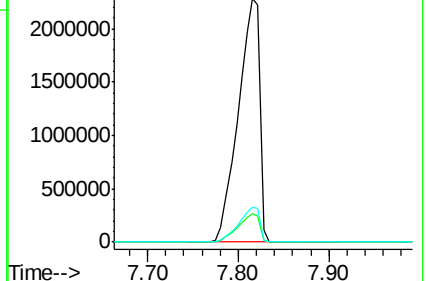
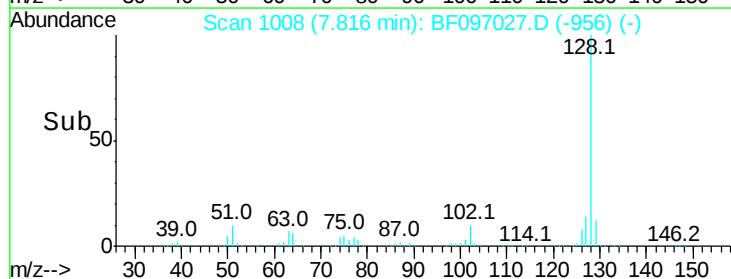
127 14.1 10.8 16.2

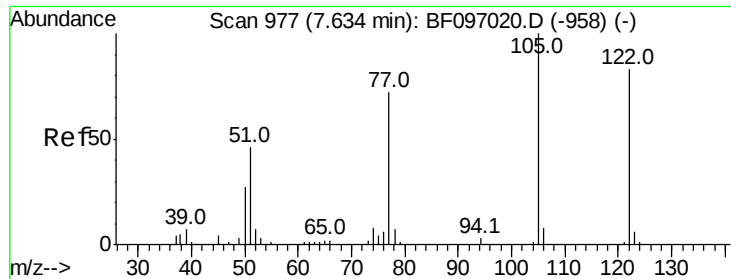


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

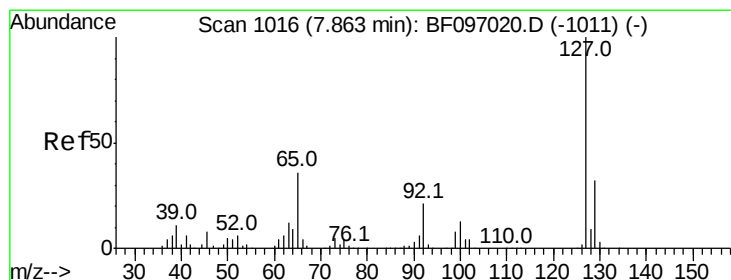
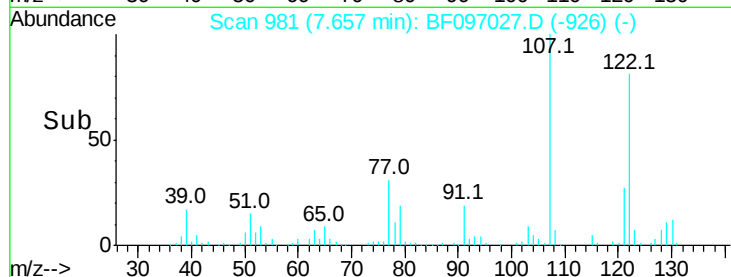
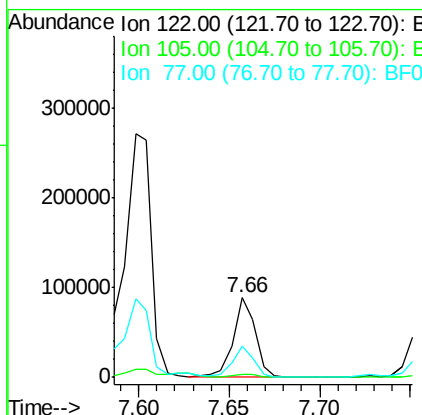
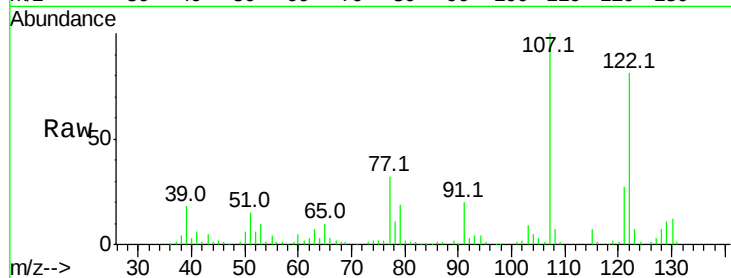




#32
Benzoic acid
Concen: 12.034 ng
RT: 7.66 min Scan# 981
Delta R.T. 0.02 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

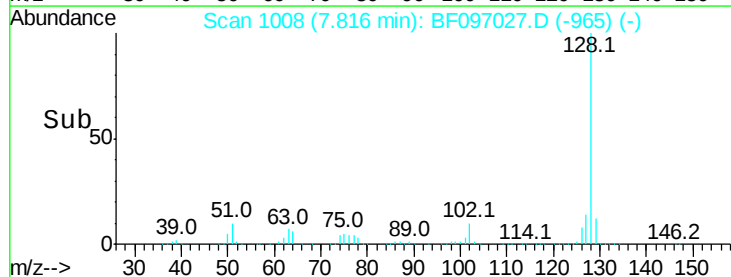
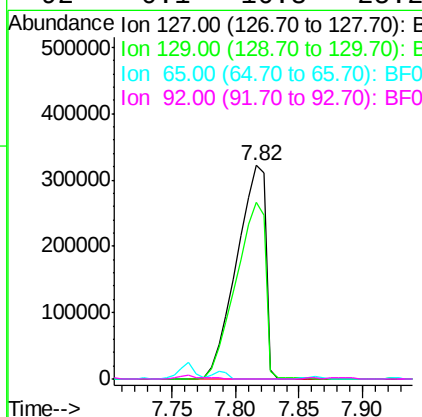
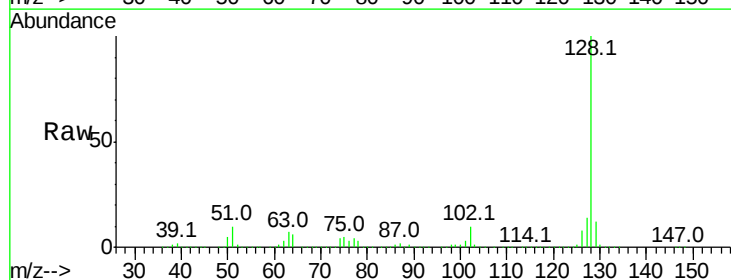
Instrument :
BNA_F
ClientSampleId :

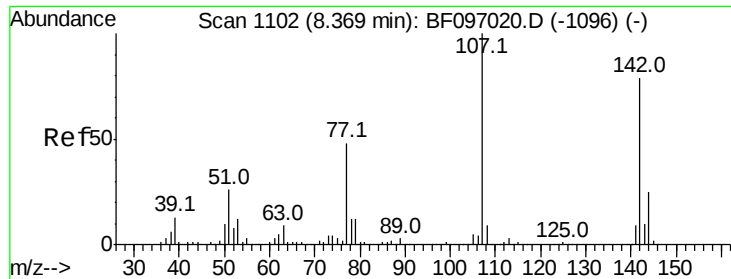
Tot Ion:122 Resp: 76480
Ion Ratio Lower Upper
122 100
105 4.0 103.3 143.3#
77 39.1 73.7 113.7#



#33
4-Chloroaniline
Concen: 49.954 ng
RT: 7.82 min Scan# 1008
Delta R.T. -0.05 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion:127 Resp: 514697
Ion Ratio Lower Upper
127 100
129 82.7 26.2 39.2#
65 0.0 27.8 41.8#
92 0.1 16.8 25.2#

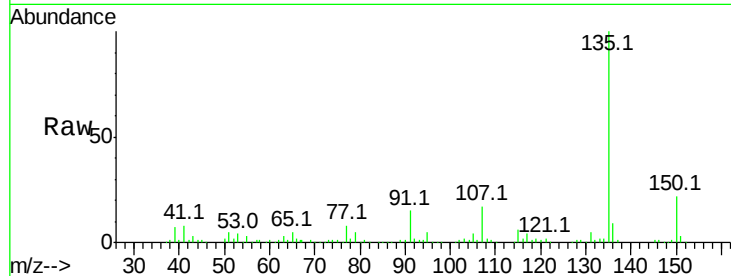




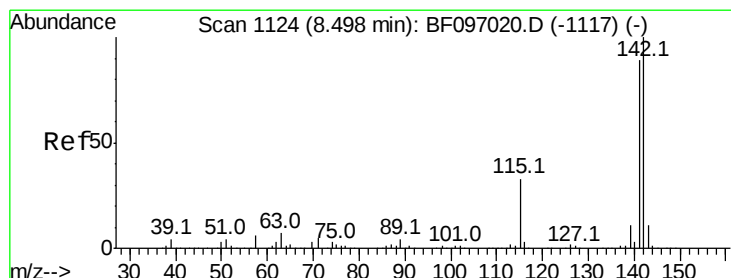
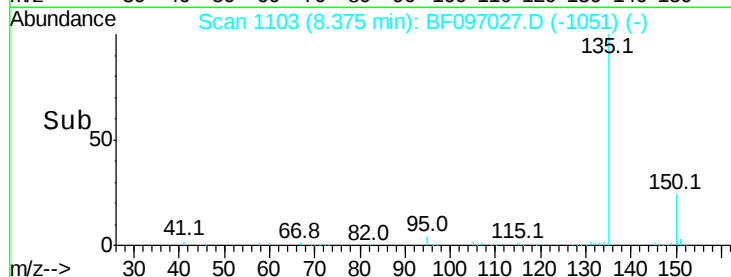
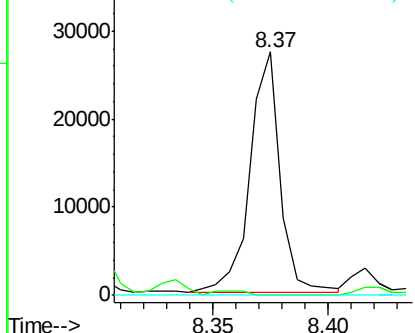
#36
 4-Chloro-3-methylphenol
 Concen: 3.087 ng
 RT: 8.37 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:107 Resp: 24692
 Ion Ratio Lower Upper
 107 100
 144 0.0 24.2 36.4#
 142 0.0 73.4 110.0#

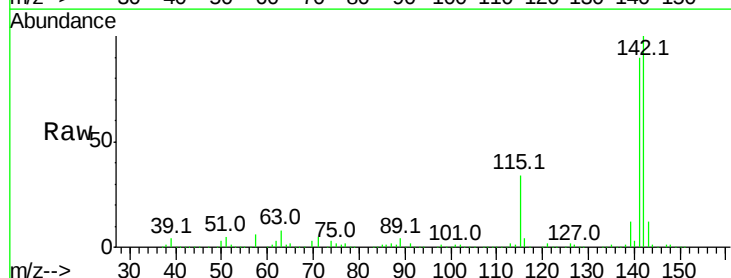


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

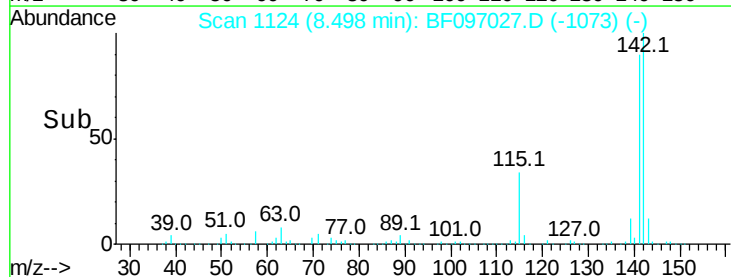
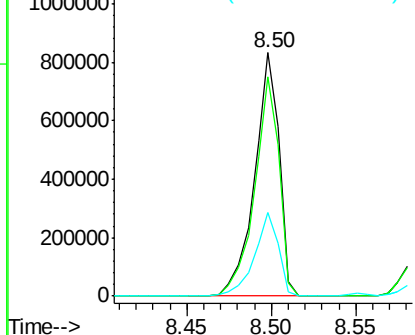


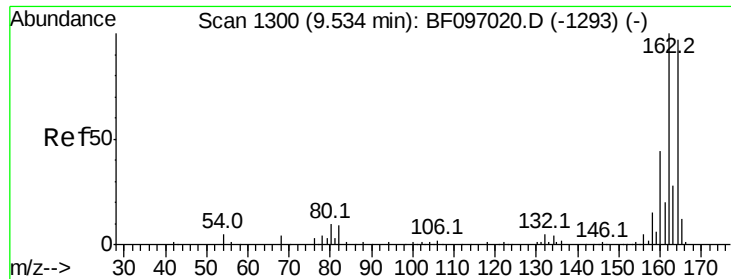
#37
 2-Methylnaphthalene
 Concen: 52.347 ng
 RT: 8.50 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Tgt Ion:142 Resp: 839268
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.3 106.9
 115 34.1 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

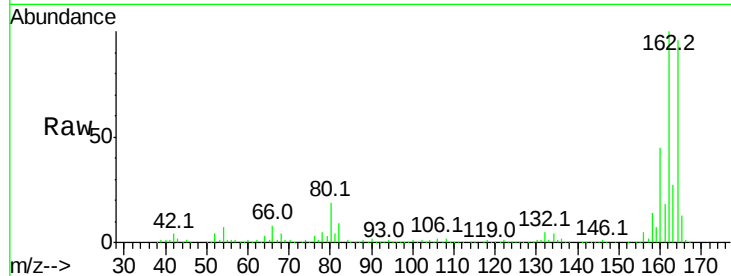




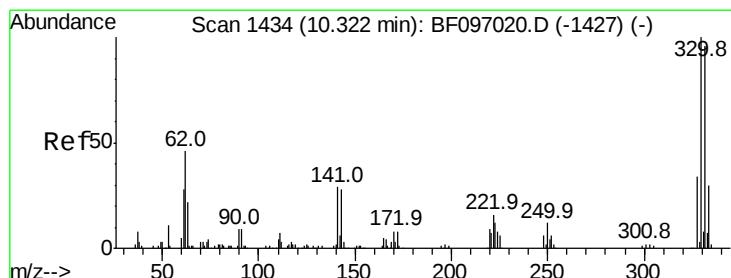
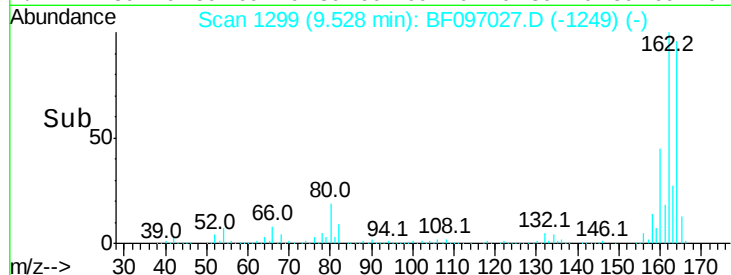
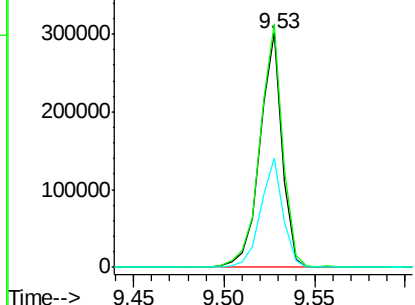
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 256408
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 46.8 36.2 54.2

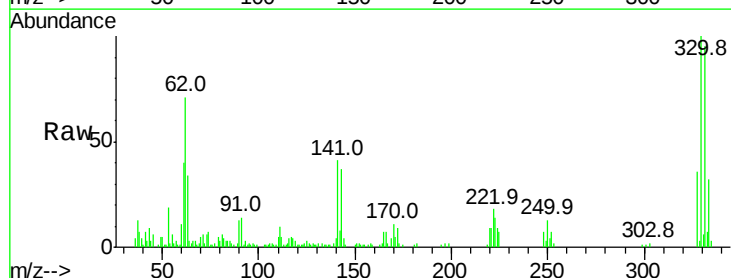


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

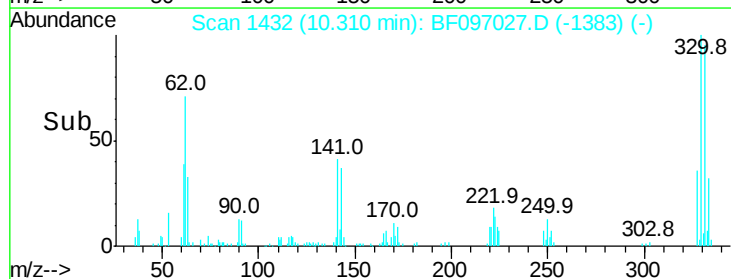
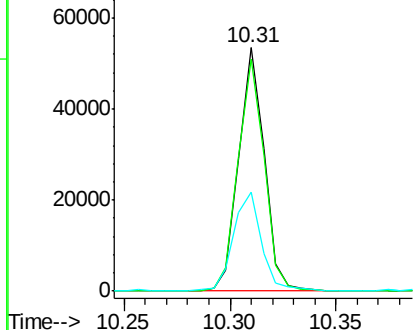


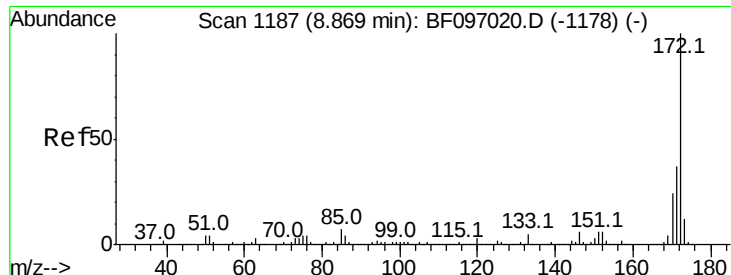
#41
 2,4,6-Tribromophenol
 Concen: 22.184 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Tgt Ion:330 Resp: 44941
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 44.9 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

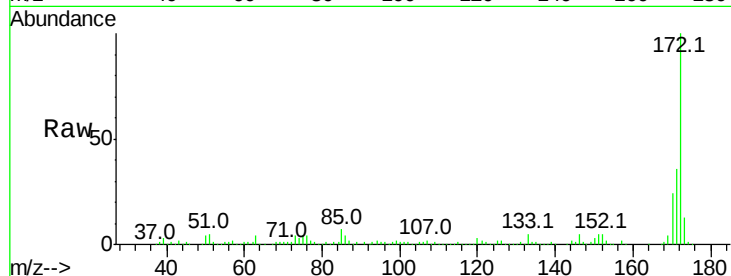




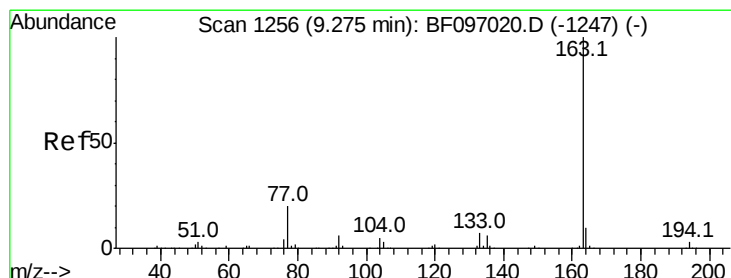
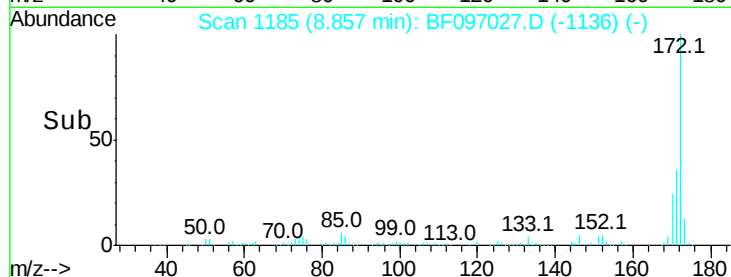
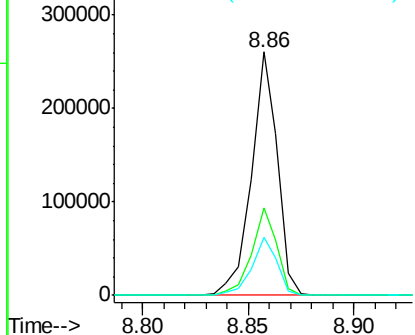
#44
2-Fluorobiphenyl
Concen: 14.694 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8

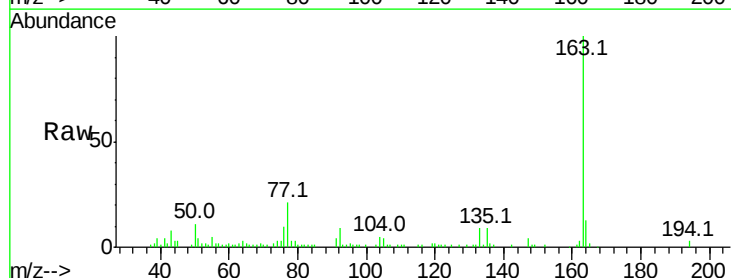


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

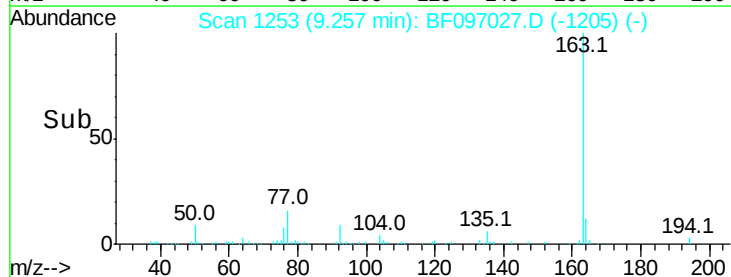
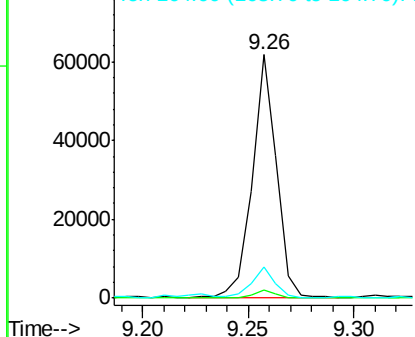


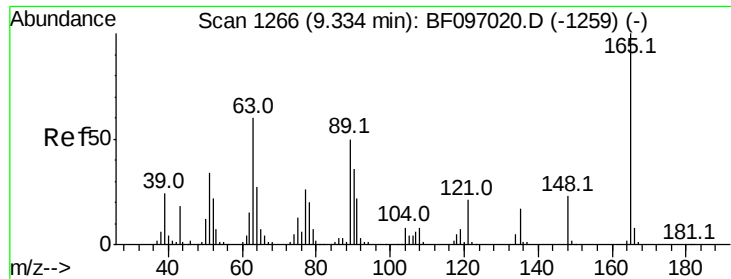
#49
Dimethylphthalate
Concen: 2.535 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	12.7	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

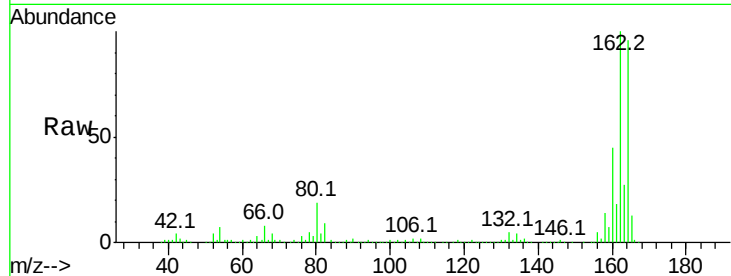




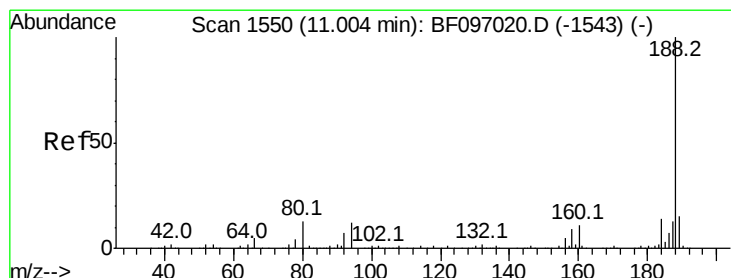
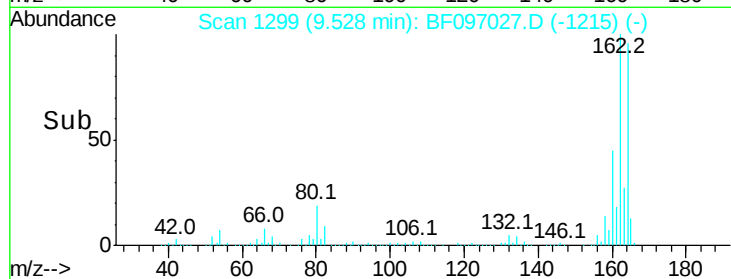
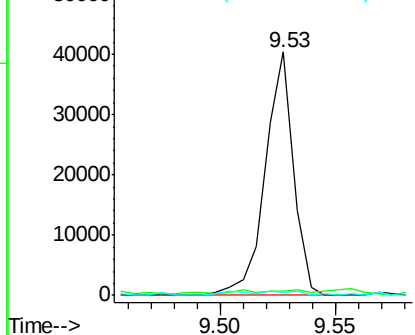
#50
 2,6-Dinitrotoluene
 Concen: 8.284 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 34212
 Ion Ratio Lower Upper
 165 100
 63 2.0 34.3 51.5#
 89 1.4 37.1 55.7#

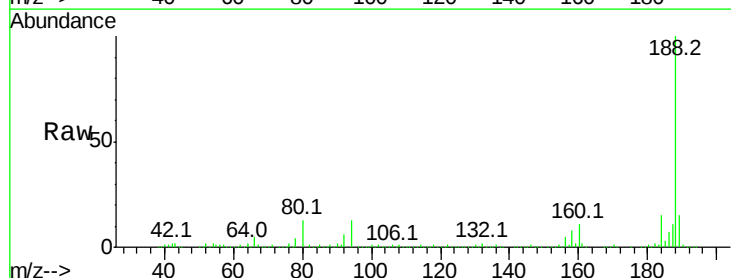


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

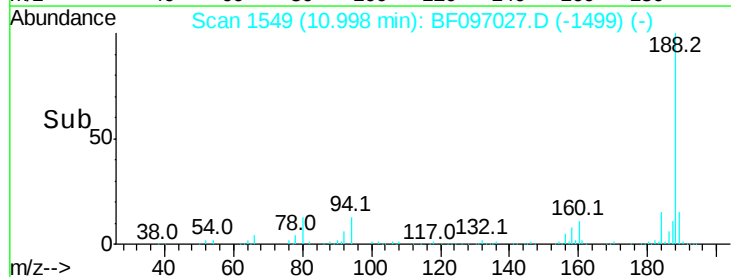
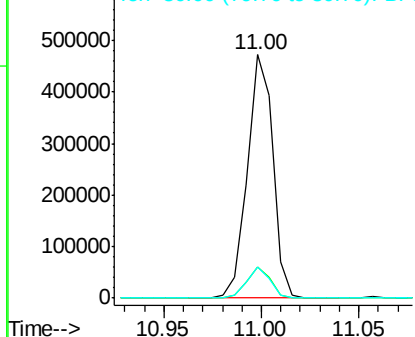


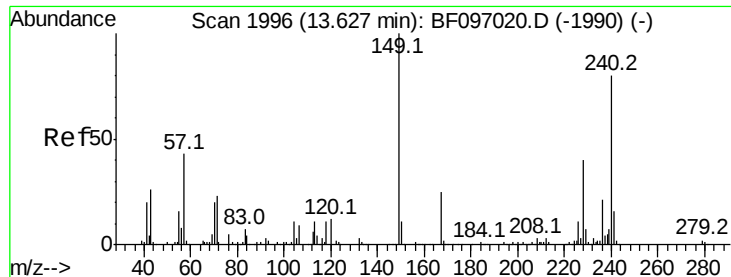
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Tgt Ion:188 Resp: 426976
 Ion Ratio Lower Upper
 188 100
 94 12.8 9.4 14.2
 80 12.8 10.2 15.2



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

ClientSampleId :

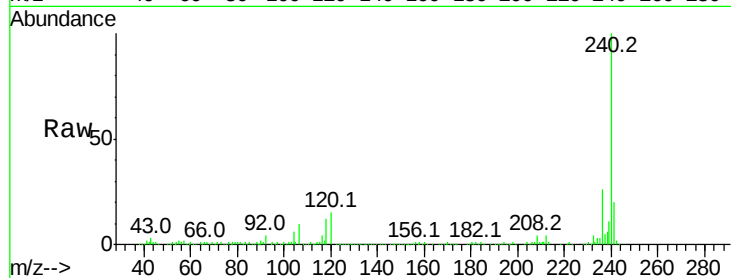
Tot Ion:240 Resp: 255709

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

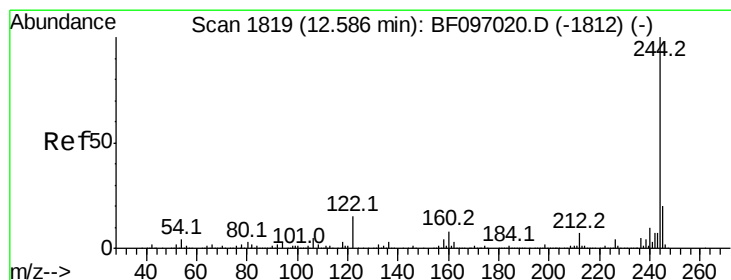
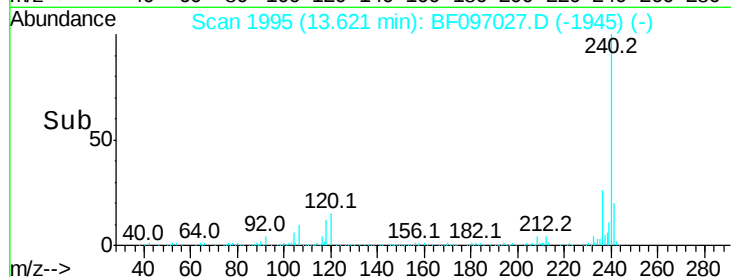
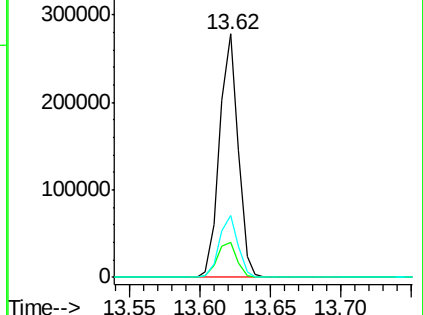
236 25.6 20.5 30.7



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: 11.069 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

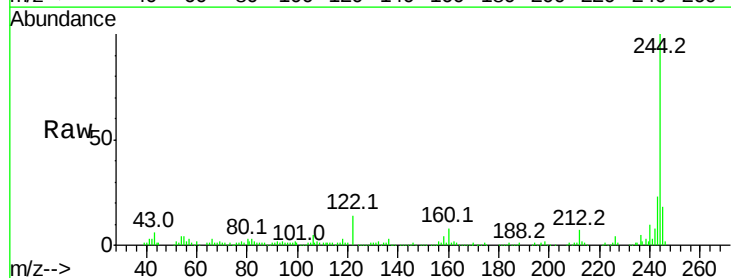
Tgt Ion:244 Resp: 138820

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

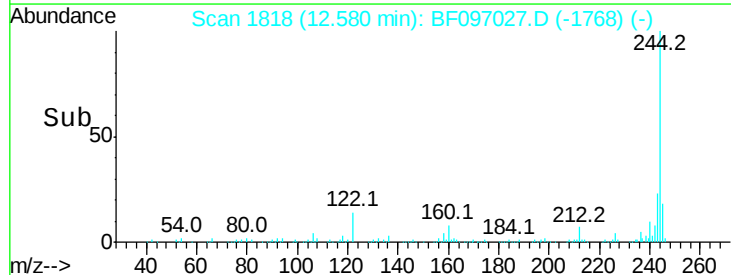
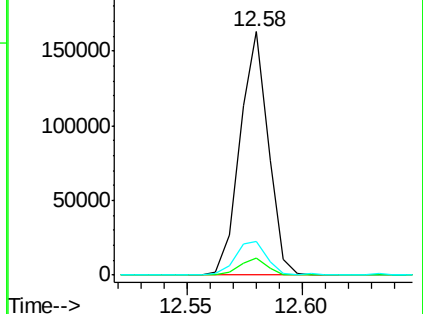
122 14.0 10.3 15.5

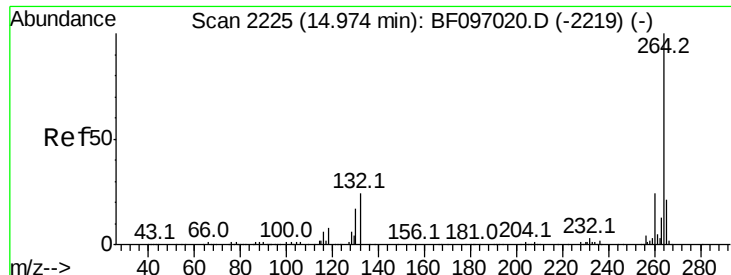


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

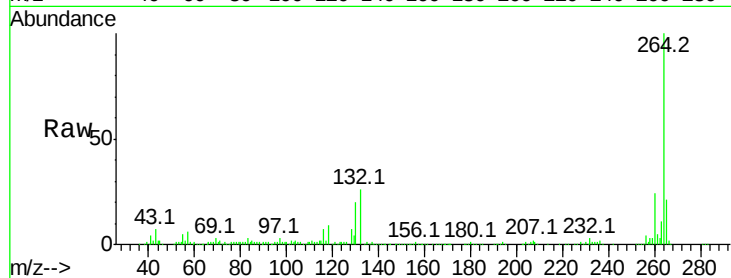




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.2	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

