

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097241.D
 Acq On : 1 Aug 2017 19:42
 Operator : SJ/JU
 Sample : I4508-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Quant Time: Aug 02 03:54:04 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

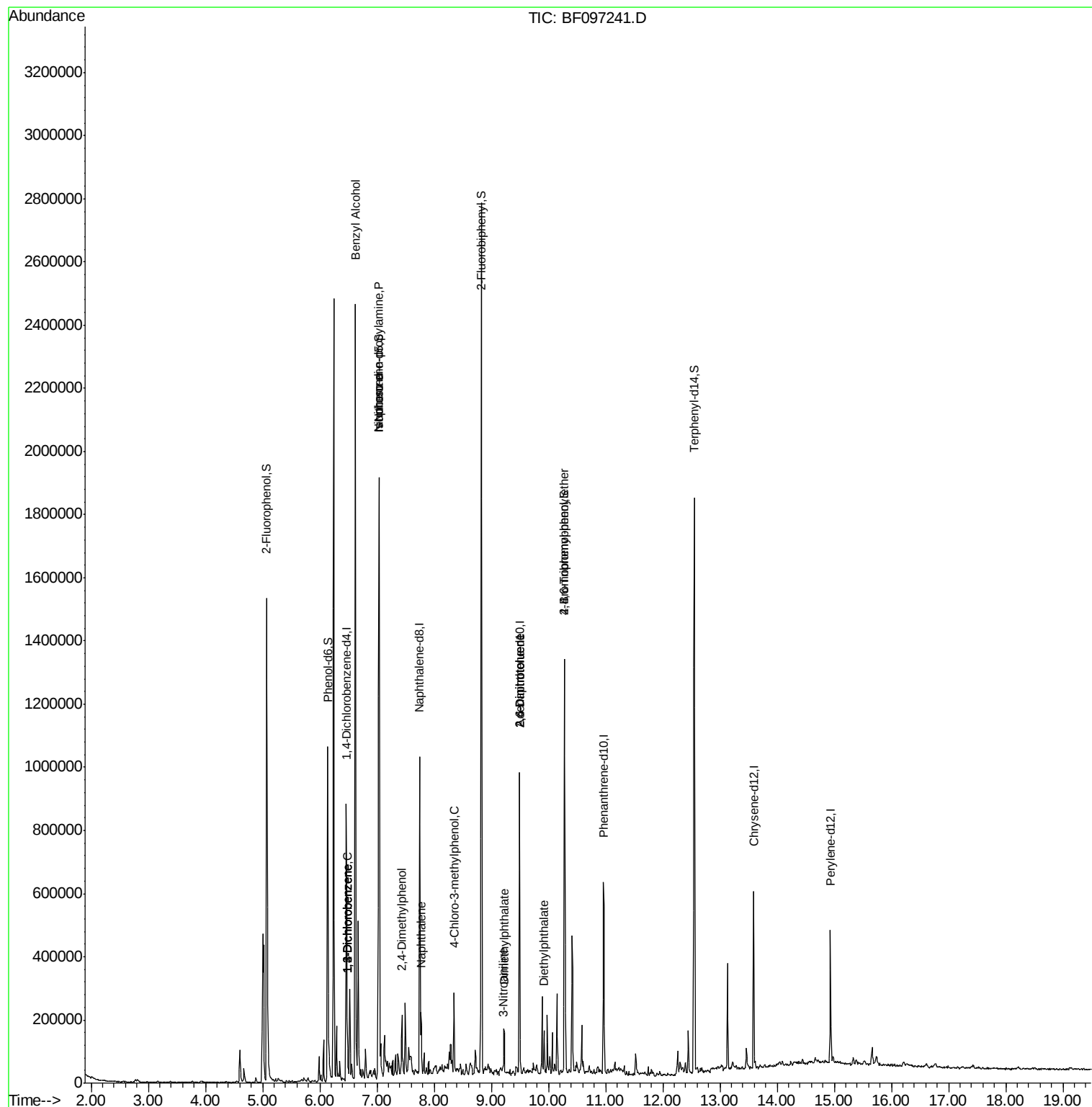
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	108529	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	433035	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	165707	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	209446	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	191939	20.00	ng	-0.04
86) Perylene-d12	14.93	264	154567	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	490428	68.12	ng	-0.03
7) Phenol-d6	6.14	99	408328	49.68	ng	-0.03
23) Nitrobenzene-d5	7.03	82	644028	87.25	ng	-0.04
41) 2,4,6-Tribromophenol	10.28	330	141779	108.29	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	884537	90.59	ng	-0.04
78) Terphenyl-d14	12.55	244	555073	58.96	ng	-0.04
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	6.48	146	32550	3.92	ng	95
13) 1,4-Dichlorobenzene	6.48	146	32550	3.96	ng	94
14) 1,2-Dichlorobenzene	6.48	146	32550	4.53	ng	97
15) Benzyl Alcohol	6.62	79	10812	2.08	ng	# 30
19) n-Nitroso-di-n-propylamine	7.03	70	88001	16.27	ng	# 87
25) Isophorone	7.03	82	631546	43.69	ng	# 67
27) 2,4-Dimethylphenol	7.43	122	27451	4.00	ng	94
31) Naphthalene	7.77	128	51600	2.53	ng	98
36) 4-Chloro-3-methylphenol	8.35	107	26364	4.09	ng	# 14
49) Dimethylphthalate	9.23	163	57804	4.59	ng	98
50) 2,6-Dinitrotoluene	9.49	165	20755	7.78	ng	# 36
52) 3-Nitroaniline	9.20	138	16480	4.97	ng	# 1
56) 2,4-Dinitrotoluene	9.49	165	20755	6.76	ng	# 35
59) Diethylphthalate	9.92	149	47671	4.13	ng	96
66) 4-Bromophenyl-phenylether	10.28	248	9220	4.41	ng	# 1

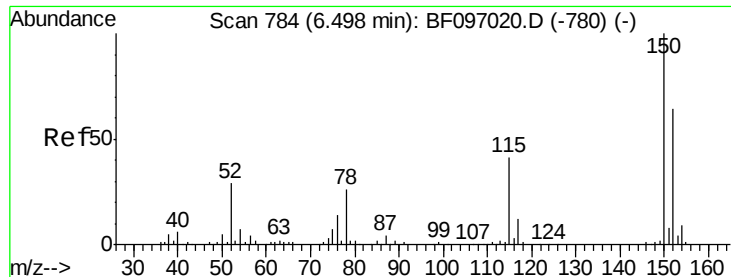
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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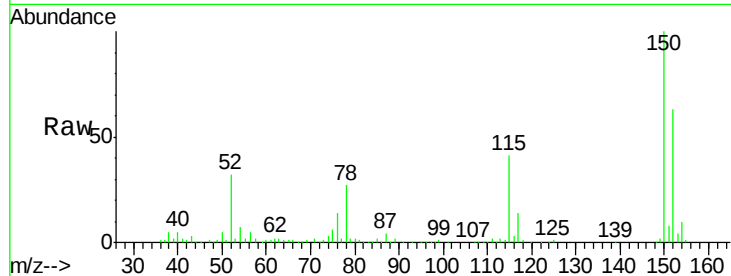


#1

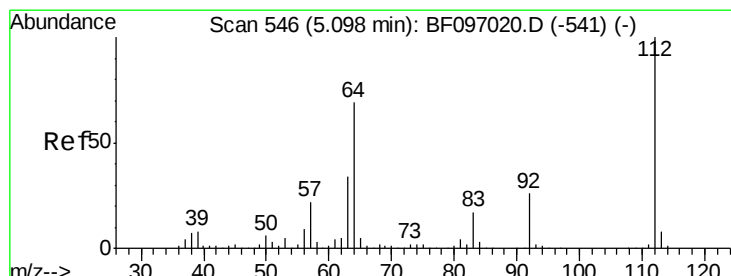
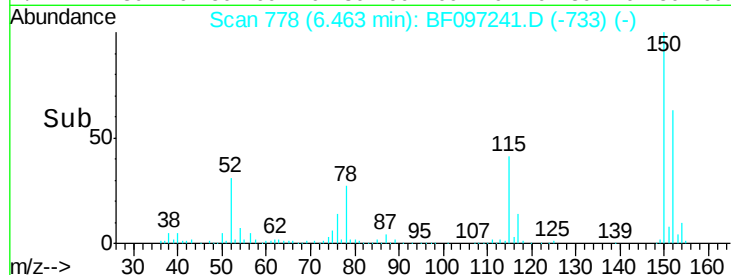
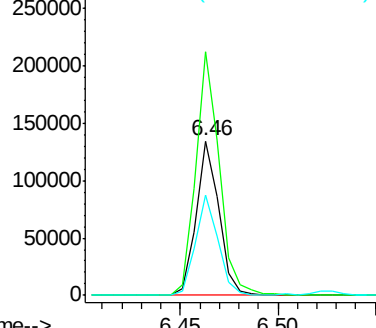
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.46 min Scan# 778
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Tot Ion:152 Resp: 108529
 Ion Ratio Lower Upper
 152 100
 150 157.7 126.2 189.2
 115 65.2 52.2 78.2



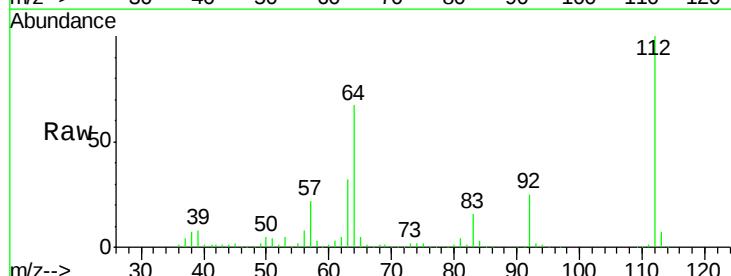
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



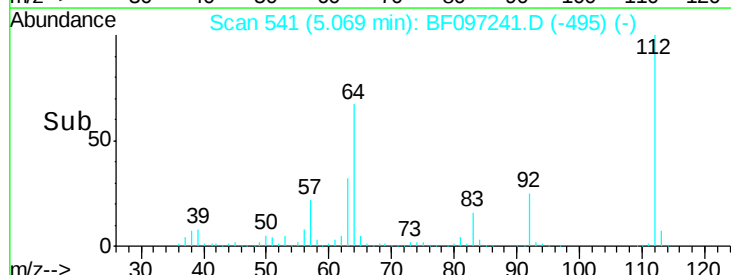
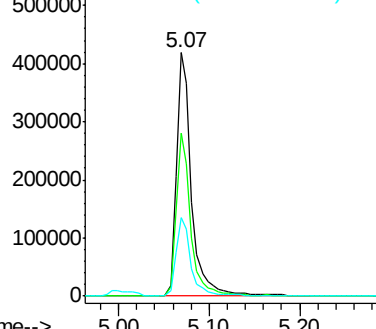
#5

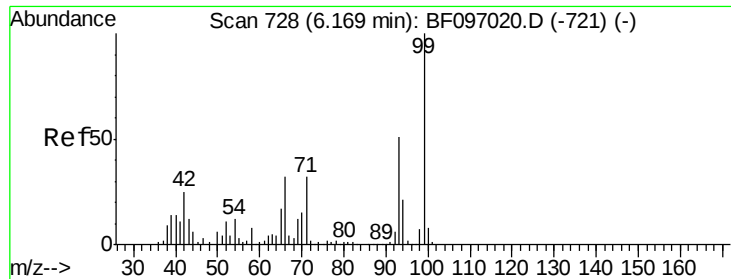
2-Fluorophenol
 Concen: 68.12 ng
 RT: 5.07 min Scan# 541
 Delta R.T. -0.03 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Tgt Ion:112 Resp: 490428
 Ion Ratio Lower Upper
 112 100
 64 66.9 46.0 69.0
 63 32.4 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





#7

Phenol-d6

Concen: 49.68 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampleId :

MH-6

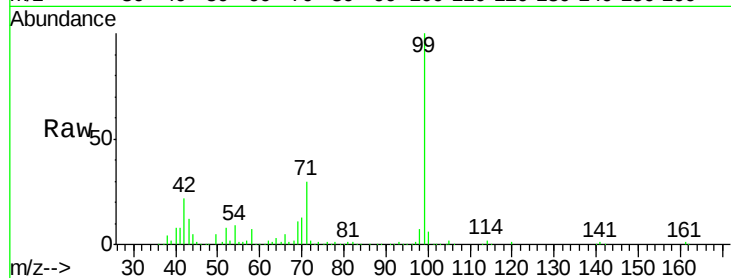
Tot Ion: 99 Resp: 408328

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

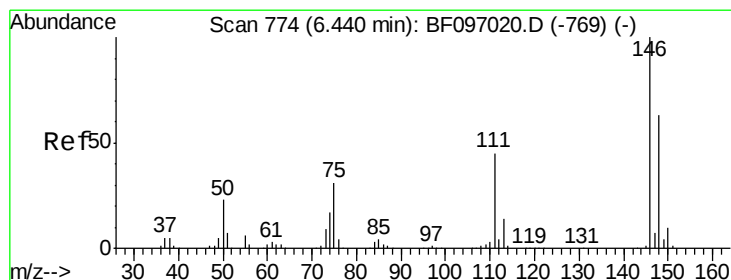
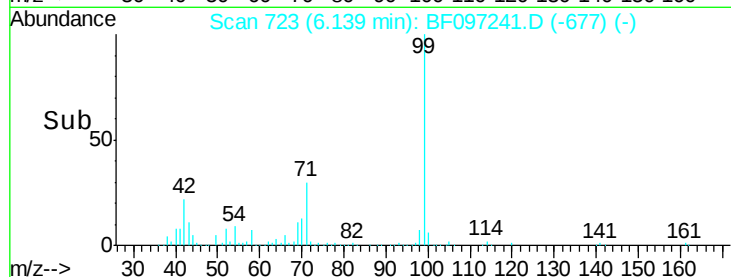
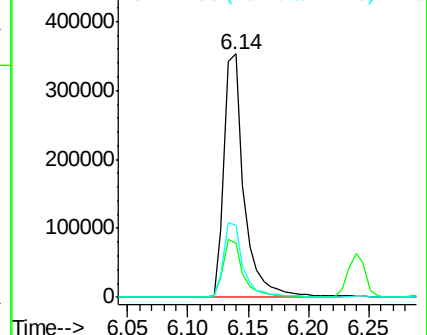
71 29.8 24.5 36.7



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



#12

1,3-Dichlorobenzene

Concen: 3.92 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

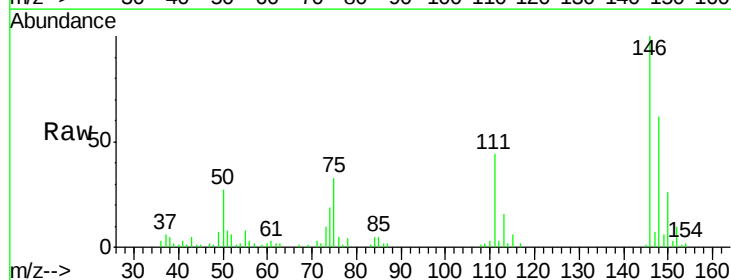
Tgt Ion: 146 Resp: 32550

Ion Ratio Lower Upper

146 100

148 62.1 51.8 77.6

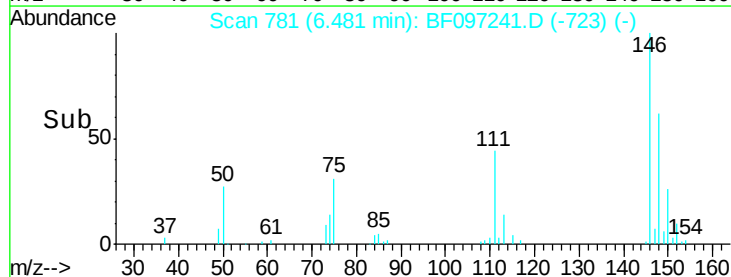
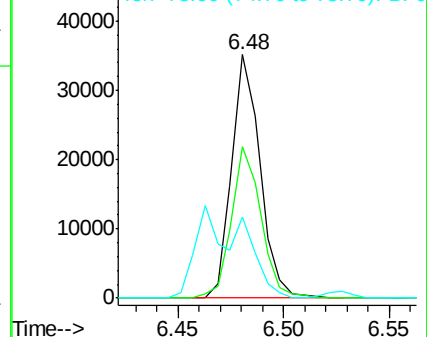
75 33.3 23.1 34.7

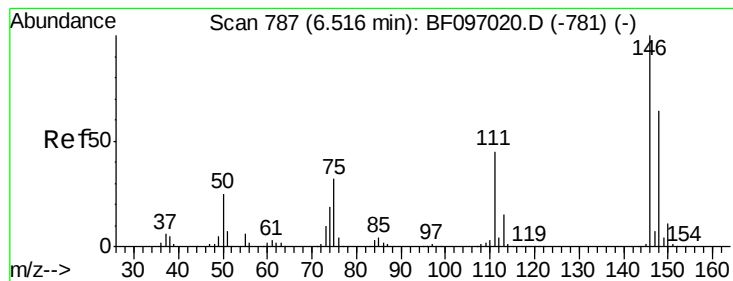


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 3.96 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampled :

MH-6

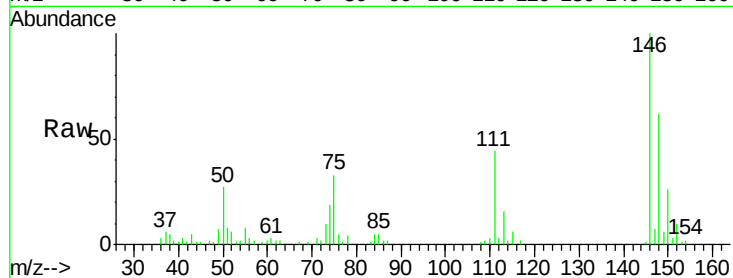
Tot Ion:146 Resp: 32550

Ion Ratio Lower Upper

146 100

148 62.1 52.2 78.2

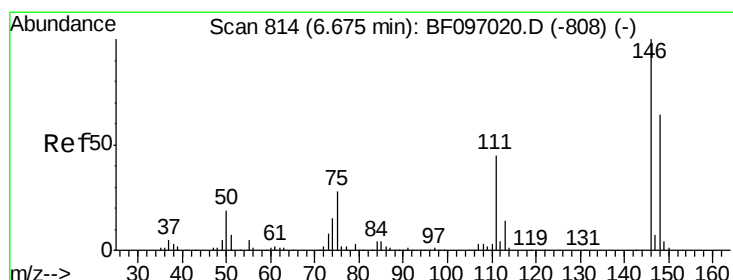
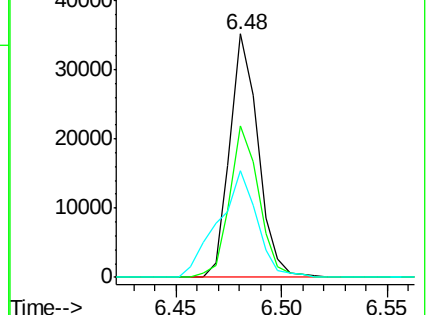
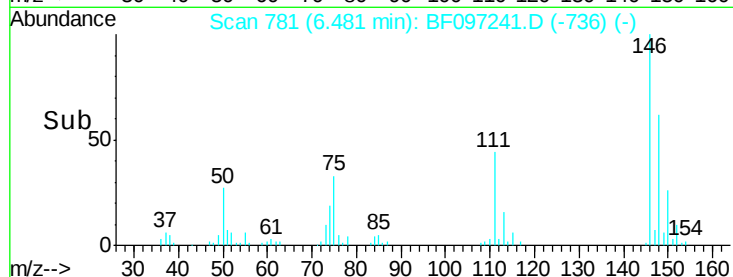
111 43.9 30.3 45.5



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: 4.53 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.19 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

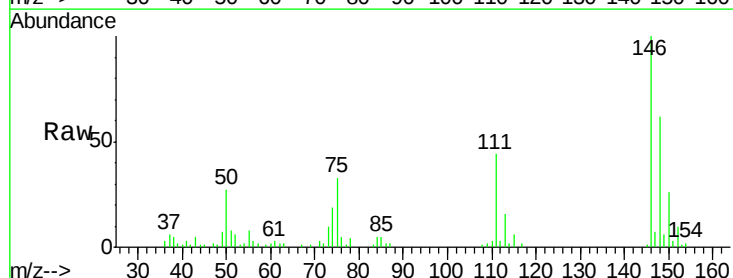
Tgt Ion:146 Resp: 32550

Ion Ratio Lower Upper

146 100

148 62.1 50.4 75.6

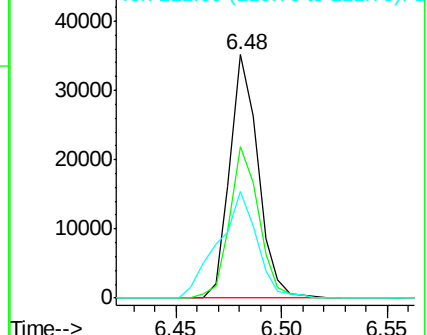
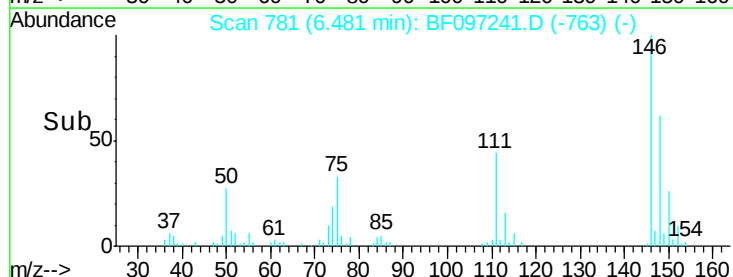
111 43.9 38.2 57.4

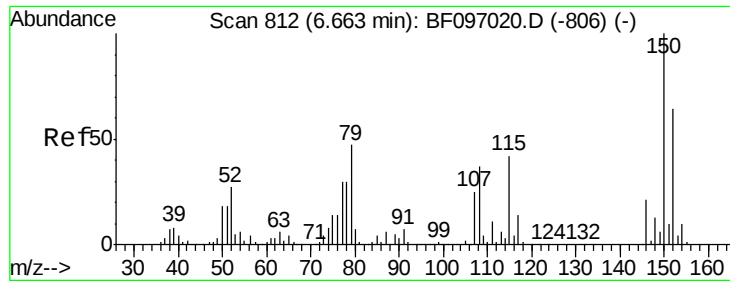


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

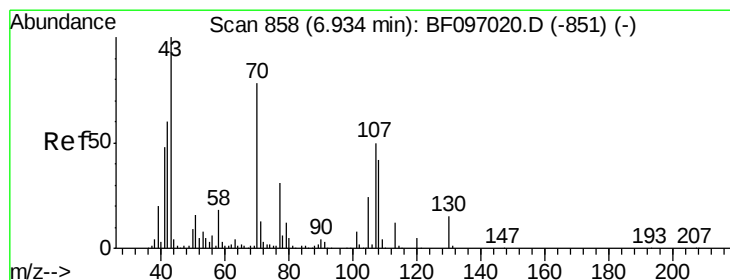
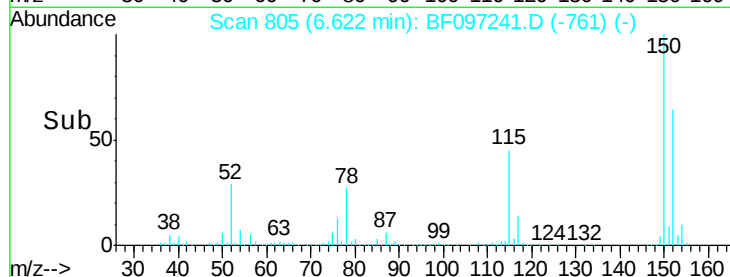
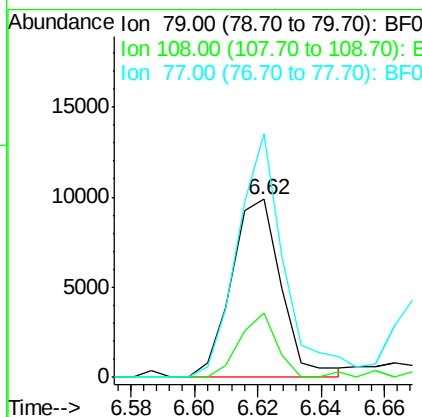
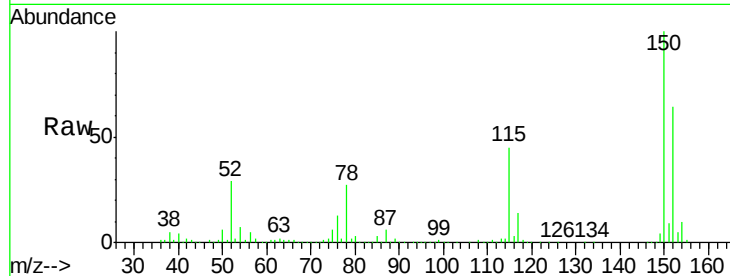




#15
Benzyl Alcohol
Concen: 2.08 ng
RT: 6.62 min Scan# 805
Delta R.T. -0.04 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

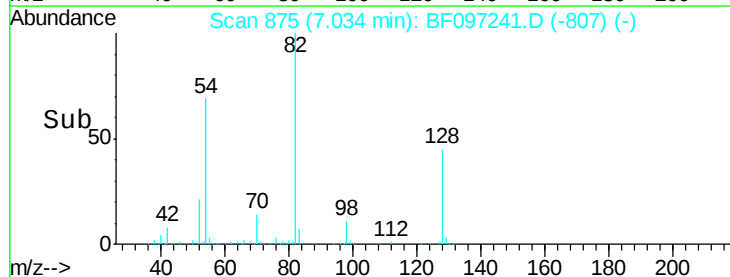
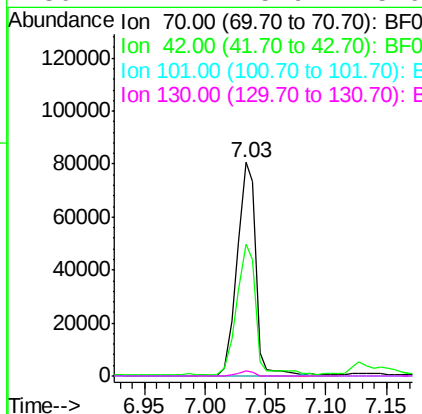
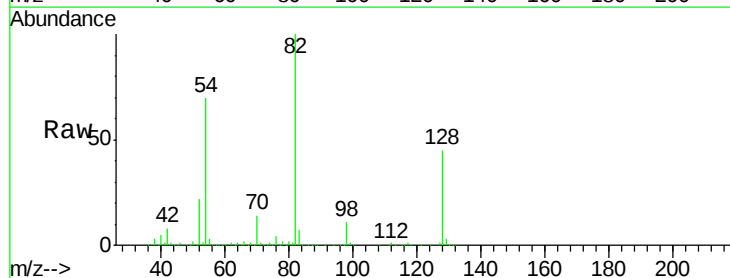
Instrument :
BNA_F
ClientSampled :
MH-6

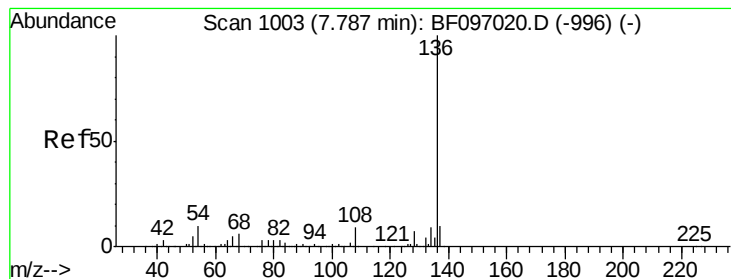
Tot Ion: 79 Resp: 10812
Ion Ratio Lower Upper
79 100
108 36.1 63.4 95.0#
77 136.6 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 16.27 ng
RT: 7.03 min Scan# 875
Delta R.T. 0.10 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Tgt Ion: 70 Resp: 88001
Ion Ratio Lower Upper
70 100
42 61.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampleId :

MH-6

Tot Ion:136 Resp: 433035

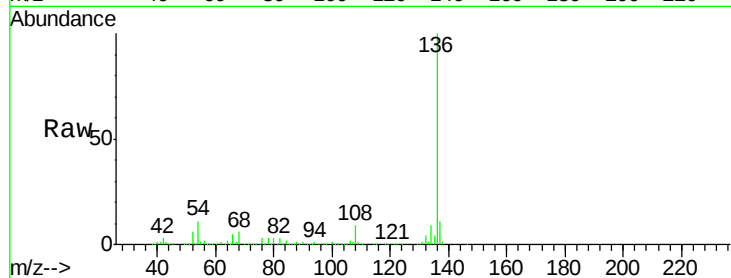
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.1 4.9 7.3#

68 6.3 4.1 6.1#

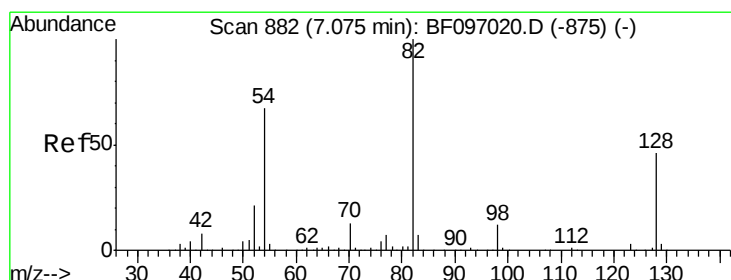
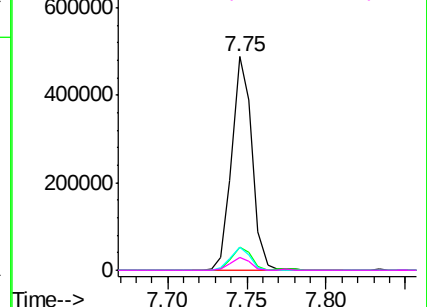
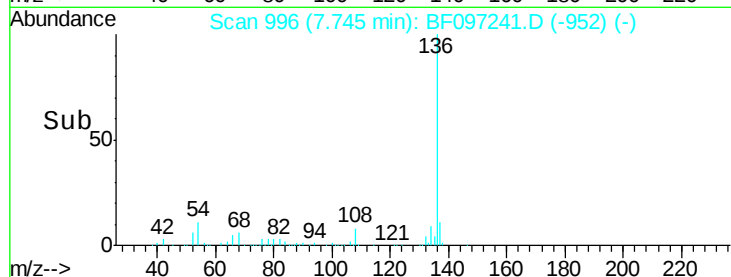


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.25 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

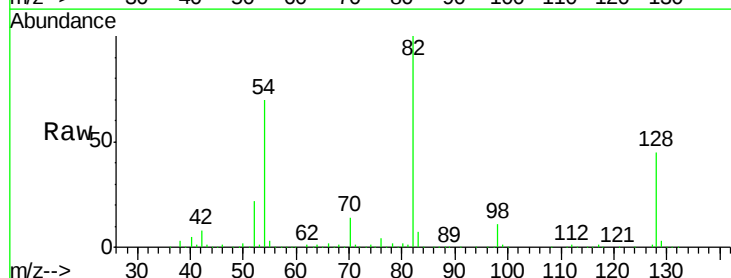
Tgt Ion: 82 Resp: 644028

Ion Ratio Lower Upper

82 100

128 45.1 34.0 51.0

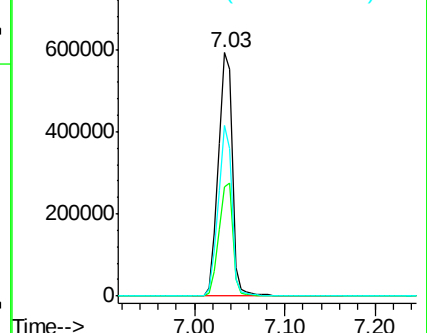
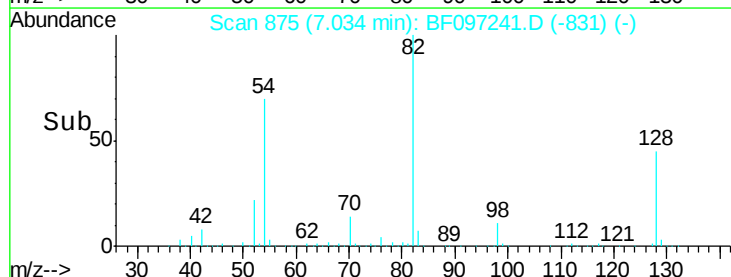
54 69.9 42.2 63.2#

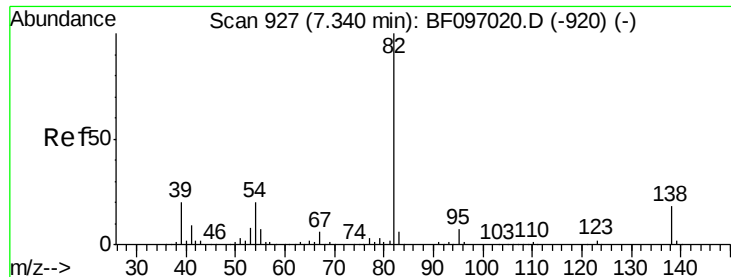


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.69 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.31 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampleId :

MH-6

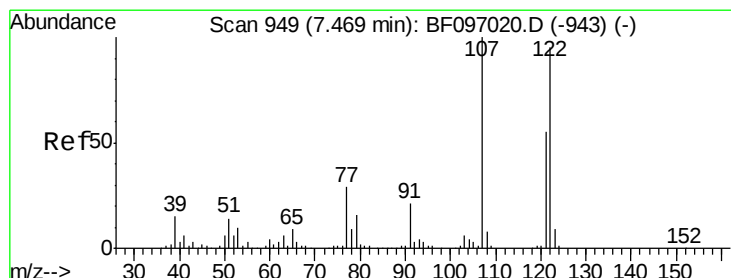
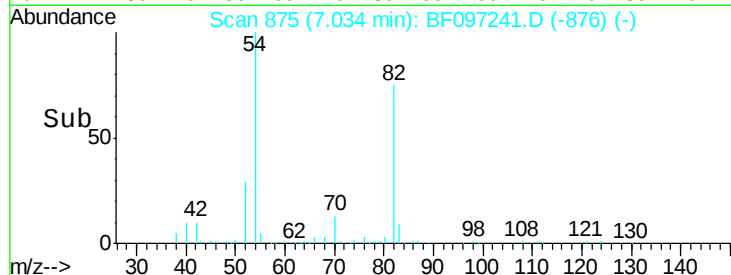
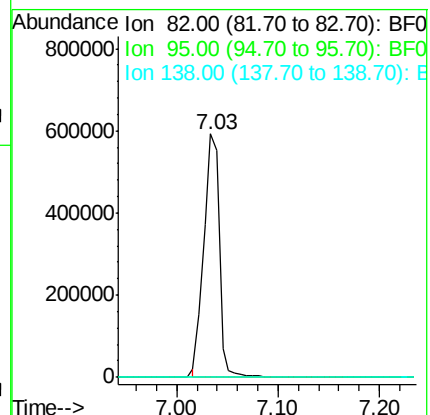
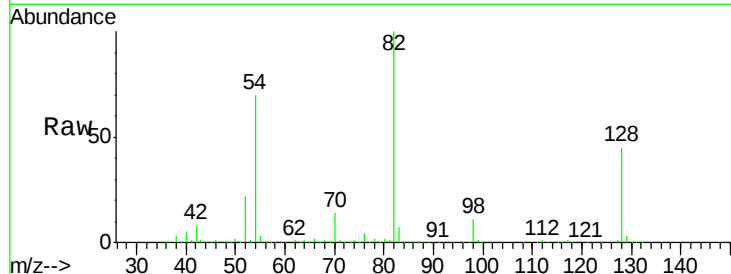
Tot Ion: 82 Resp: 631546

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 4.00 ng

RT: 7.43 min Scan# 943

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

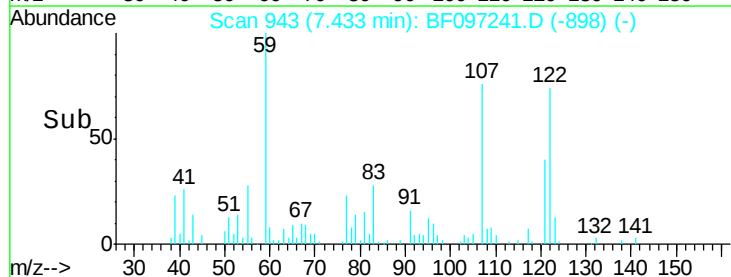
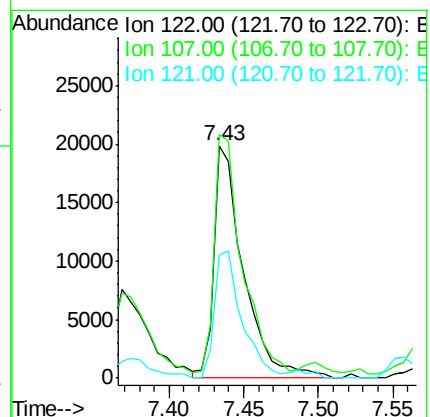
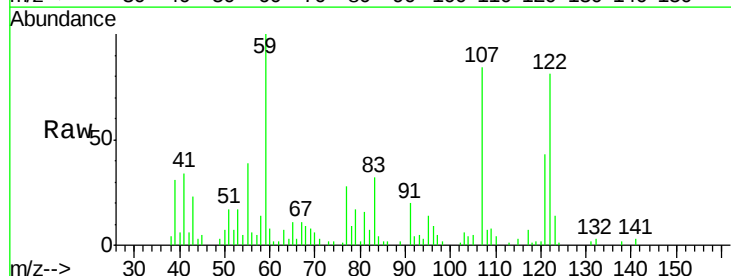
Tgt Ion: 122 Resp: 27451

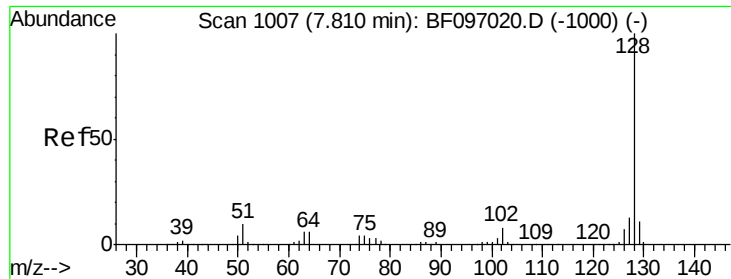
Ion Ratio Lower Upper

122 100

107 104.8 89.2 133.8

121 53.0 45.2 67.8

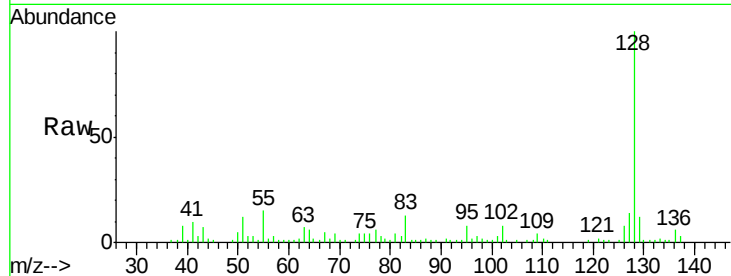




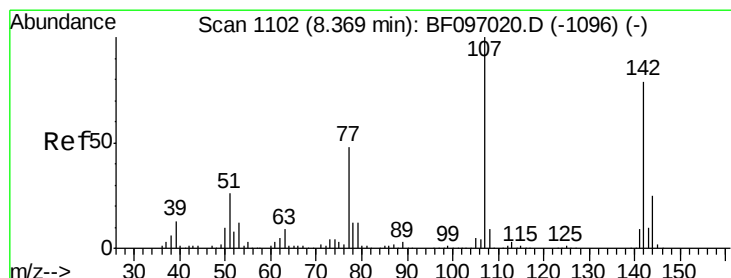
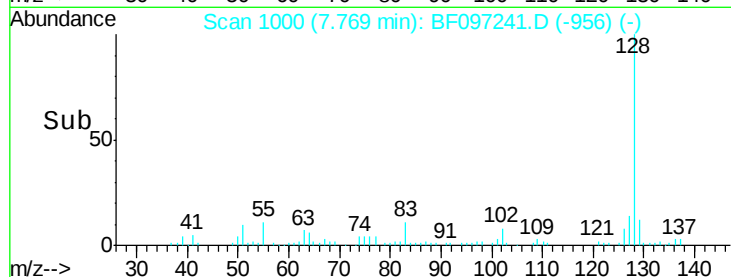
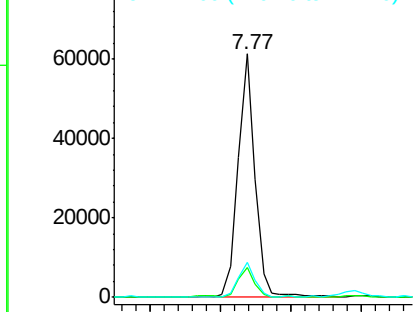
#31
Naphthalene
Concen: 2.53 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.04 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Instrument :
BNA_F
ClientSampleId :
MH-6

Tot Ion:128 Resp: 51600
Ion Ratio Lower Upper
128 100
129 12.2 9.0 13.6
127 14.3 10.8 16.2

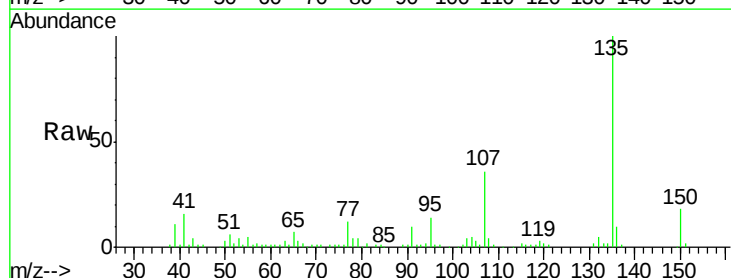


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

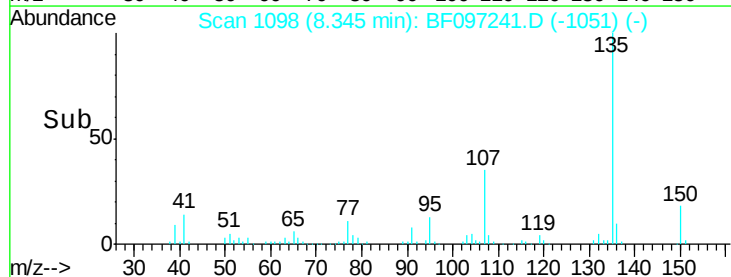
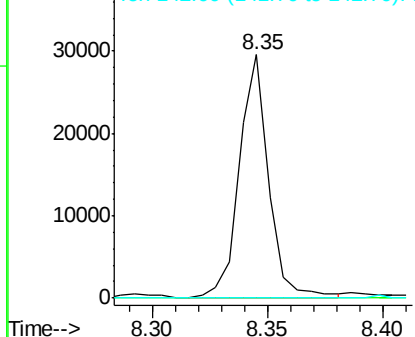


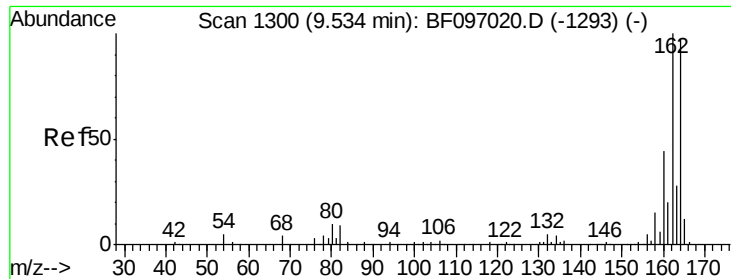
#36
4-Chloro-3-methylphenol
Concen: 4.09 ng
RT: 8.35 min Scan# 1098
Delta R.T. -0.02 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Tgt Ion:107 Resp: 26364
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

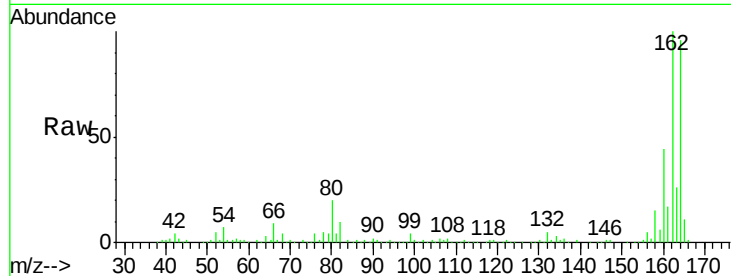




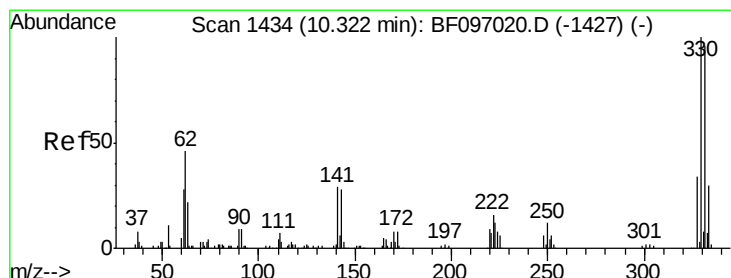
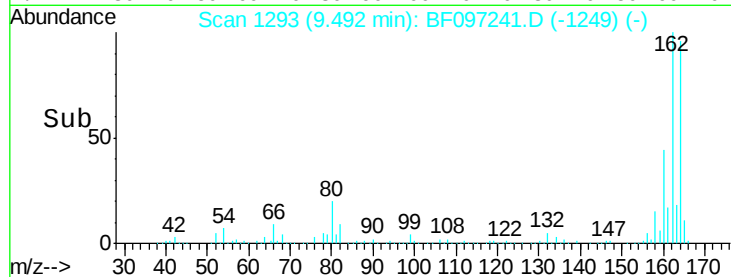
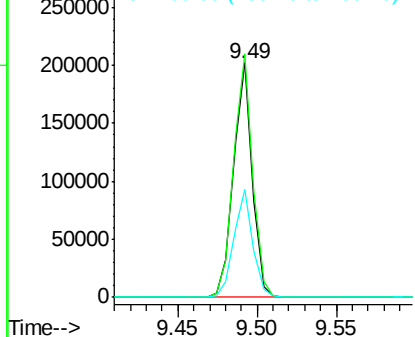
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.49 min Scan# 1293
Delta R.T. -0.04 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Instrument :
BNA_F
ClientSampleId :
MH-6

Tot Ion:164 Resp: 165707
Ion Ratio Lower Upper
164 100
162 103.9 82.6 123.8
160 46.0 36.2 54.2

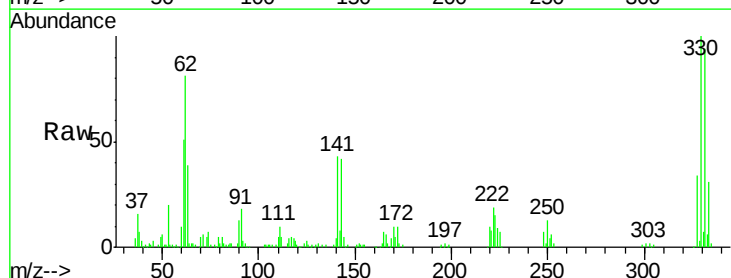


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

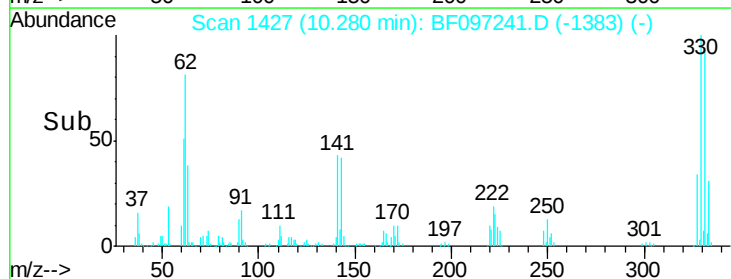
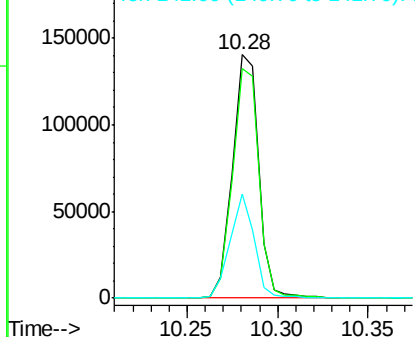


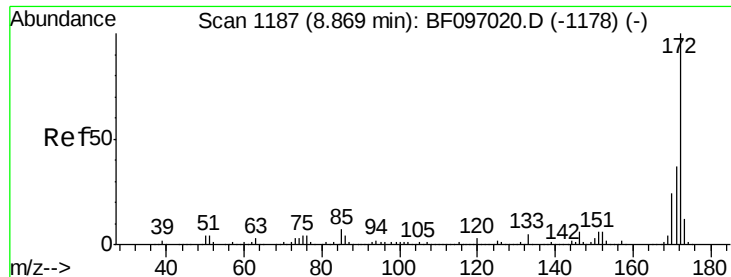
#41
2,4,6-Tribromophenol
Concen: 108.29 ng
RT: 10.28 min Scan# 1427
Delta R.T. -0.04 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Tgt Ion:330 Resp: 141779
Ion Ratio Lower Upper
330 100
332 95.4 76.6 115.0
141 40.0 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

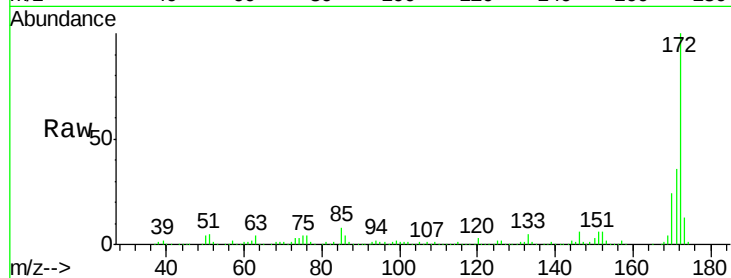




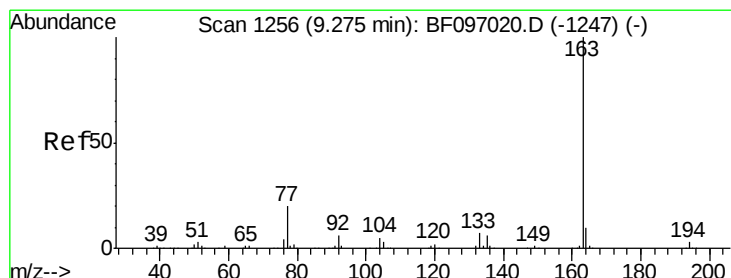
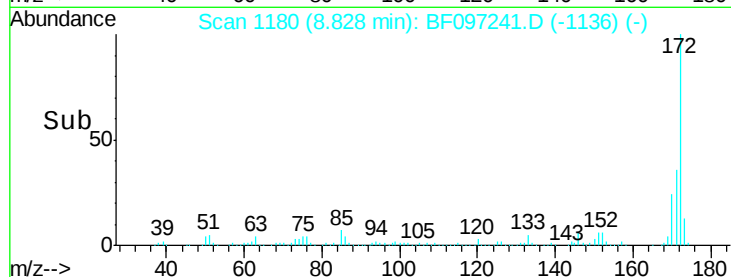
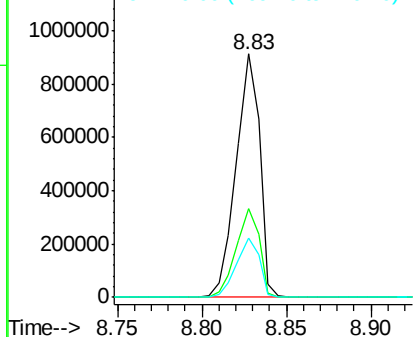
#44
2-Fluorobiphenyl
Concen: 90.59 ng
RT: 8.83 min Scan# 1180
Delta R.T. -0.04 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Instrument :
BNA_F
ClientSampleId :
MH-6

Tot Ion:172 Resp: 884537
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.2 19.8 29.8

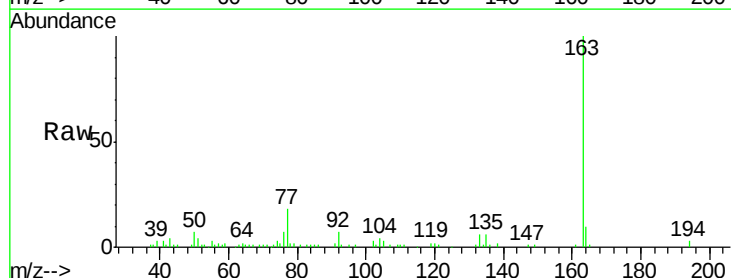


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

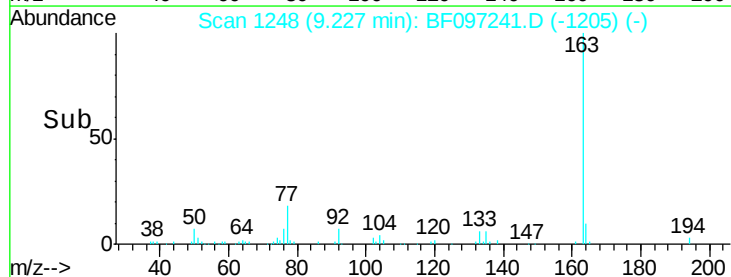
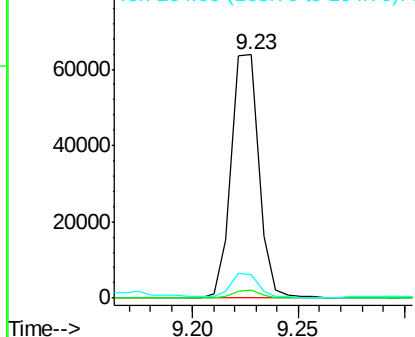


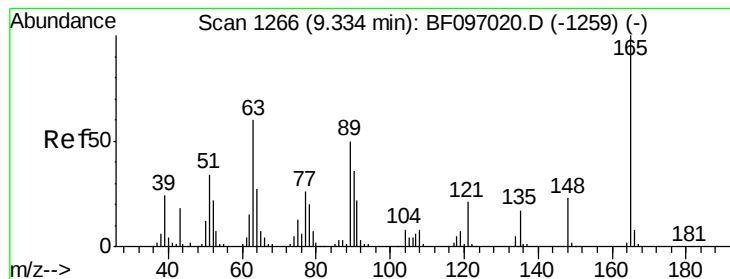
#49
Dimethylphthalate
Concen: 4.59 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.05 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Tgt Ion:163 Resp: 57804
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.8 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: 7.78 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.16 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampleId :

MH-6

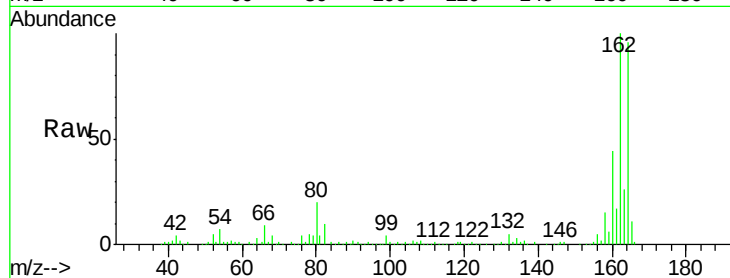
Tot Ion:165 Resp: 20755

Ion Ratio Lower Upper

165 100

63 3.5 34.3 51.5#

89 2.4 37.1 55.7#

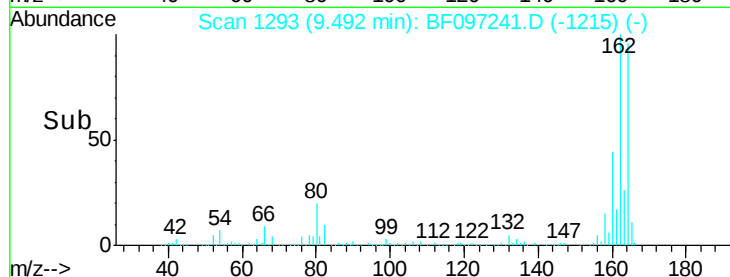


Abundance Ion 165.00 (164.70 to 165.70): E

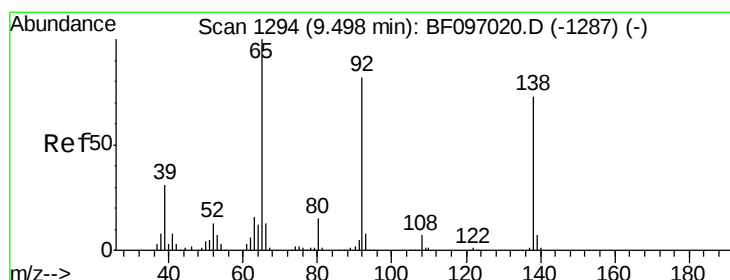
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->



Time-->



#52

3-Nitroaniline

Concen: 4.97 ng

RT: 9.20 min Scan# 1244

Delta R.T. -0.29 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

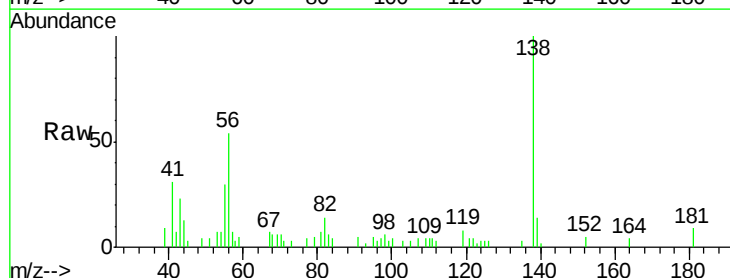
Tgt Ion:138 Resp: 16480

Ion Ratio Lower Upper

138 100

108 0.0 9.1 13.7#

92 0.0 93.8 140.6#

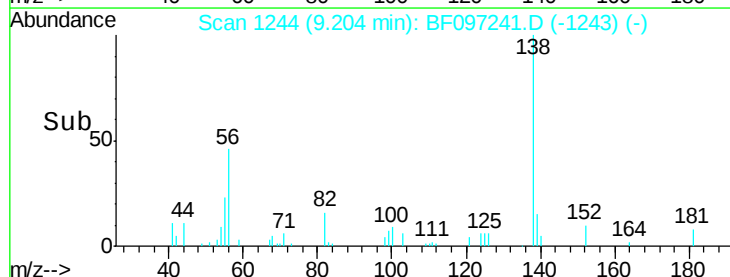


Abundance Ion 138.00 (137.70 to 138.70): E

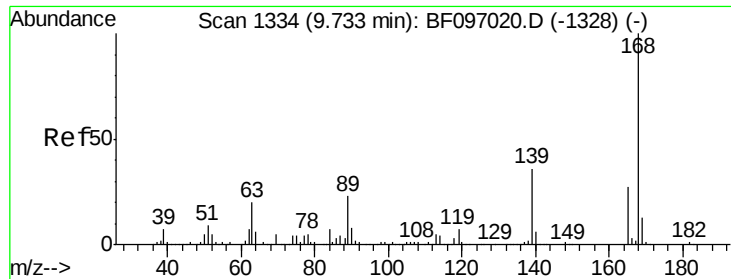
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

Time-->



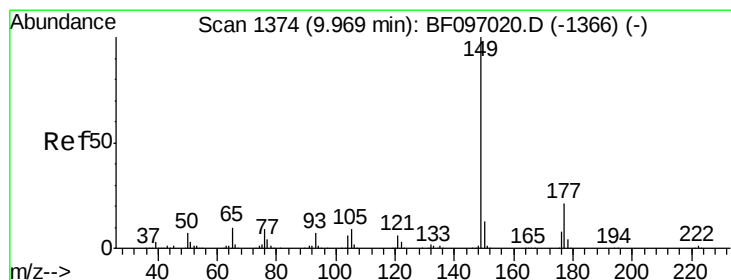
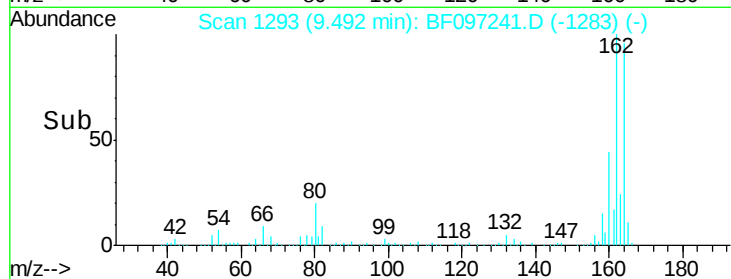
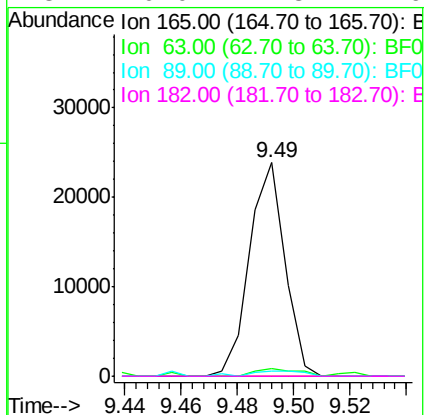
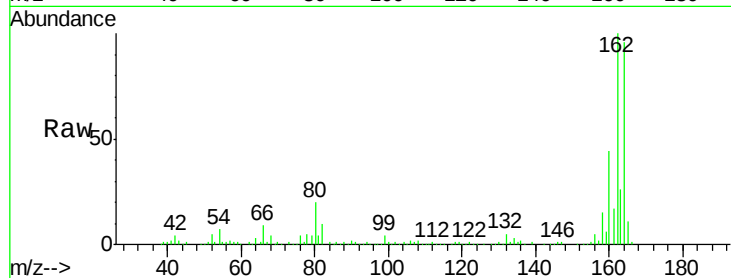
Time-->



#56
2,4-Dinitrotoluene
Concen: 6.76 ng
RT: 9.49 min Scan# 1293
Delta R.T. -0.24 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

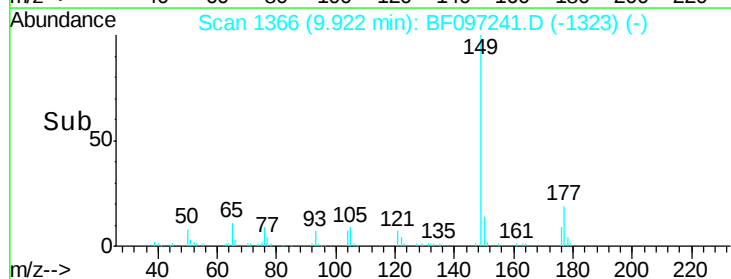
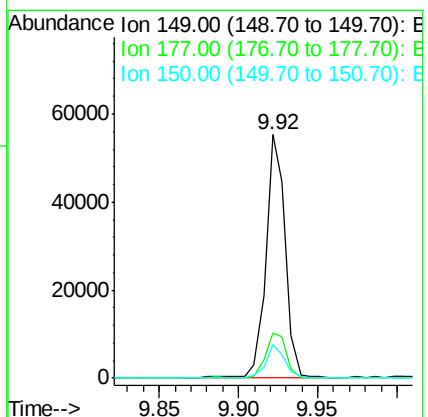
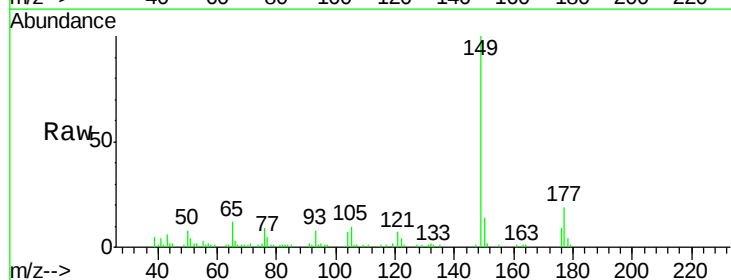
Instrument :
BNA_F
ClientSampleId :
MH-6

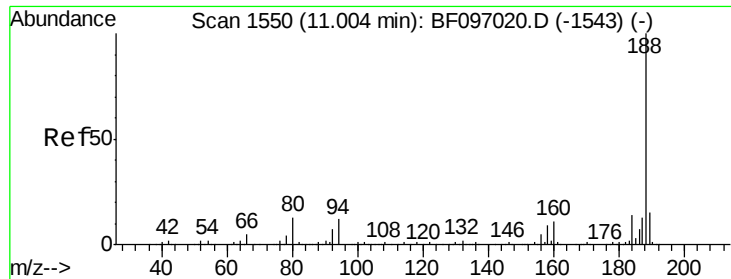
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.5	25.4	38.0#
89	2.4	46.4	69.6#
182	0.0	1.8	2.6#



#59
Diethylphthalate
Concen: 4.13 ng
RT: 9.92 min Scan# 1366
Delta R.T. -0.05 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Tgt Ion	Ratio	Lower	Upper
149	100		
177	18.7	16.7	25.1
150	13.7	10.2	15.2

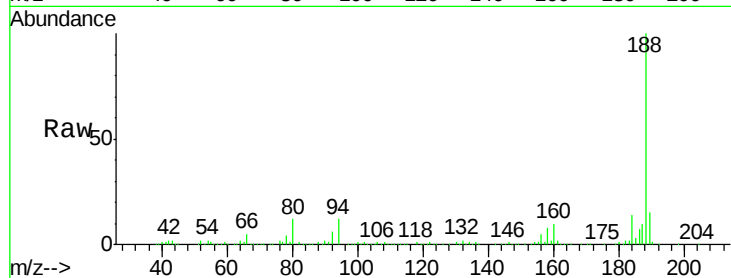




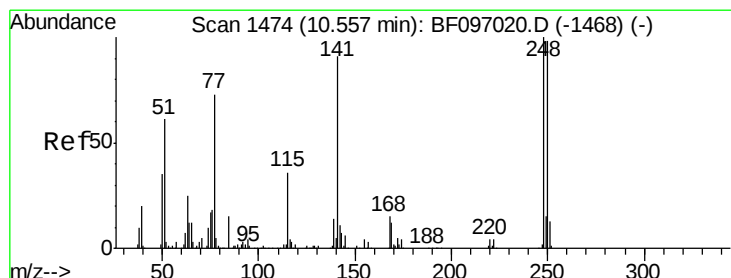
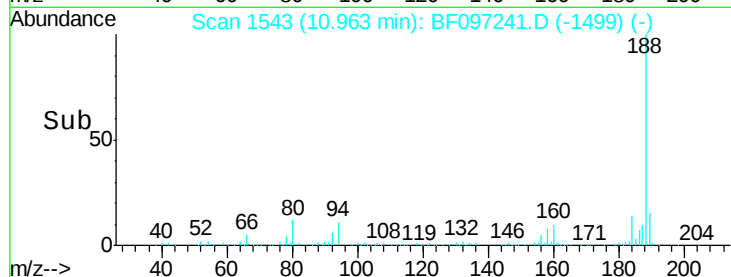
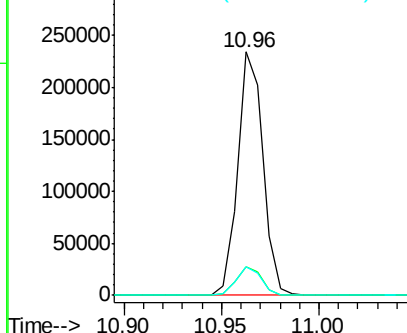
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.04 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Instrument :
BNA_F
ClientSampleId :
MH-6

Tot Ion:188 Resp: 209446
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.9 10.2 15.2

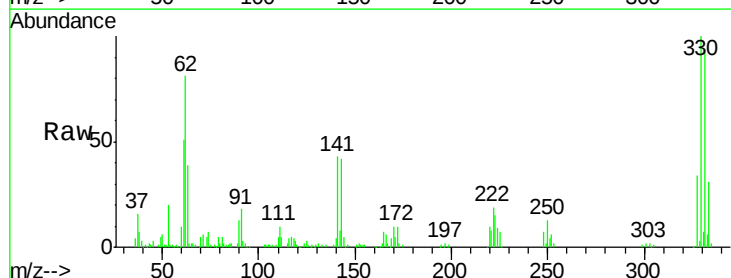


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

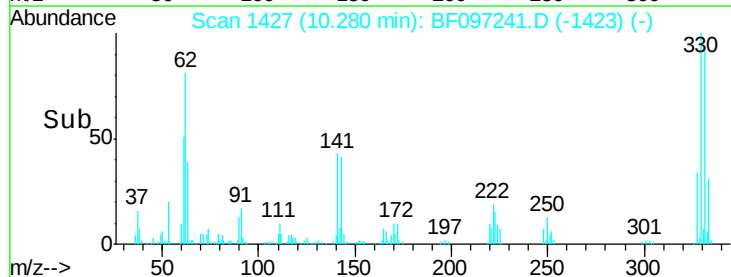
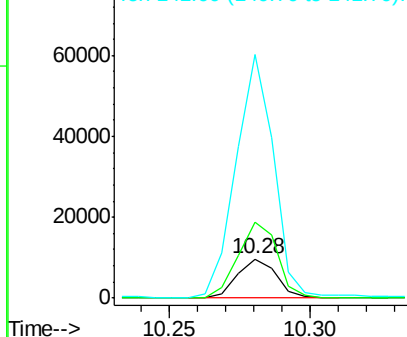


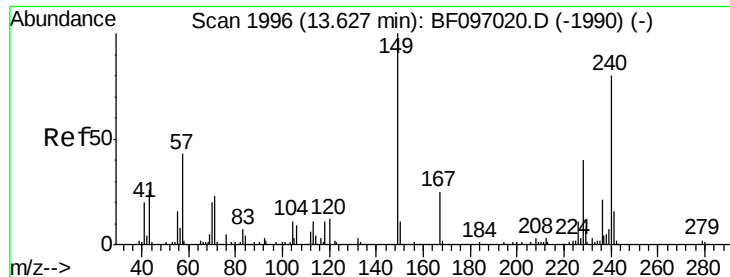
#66
4-Bromophenyl-phenylether
Concen: 4.41 ng
RT: 10.28 min Scan# 1427
Delta R.T. -0.28 min
Lab File: BF097241.D
Acq: 1 Aug 2017 19:42

Tgt Ion:248 Resp: 9220
Ion Ratio Lower Upper
248 100
250 194.1 76.8 115.2#
141 619.1 68.6 103.0#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.59 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

Instrument :

BNA_F

ClientSampled :

MH-6

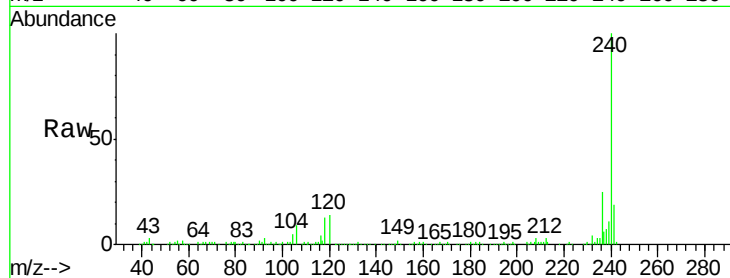
Tot Ion:240 Resp: 191939

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

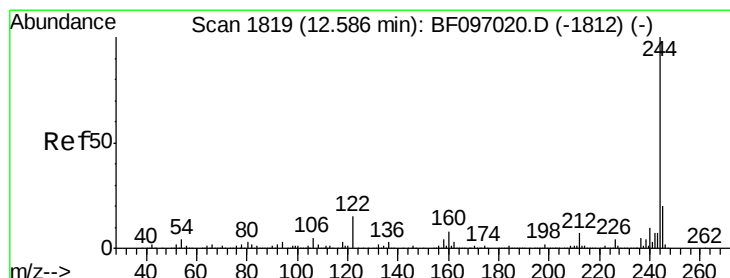
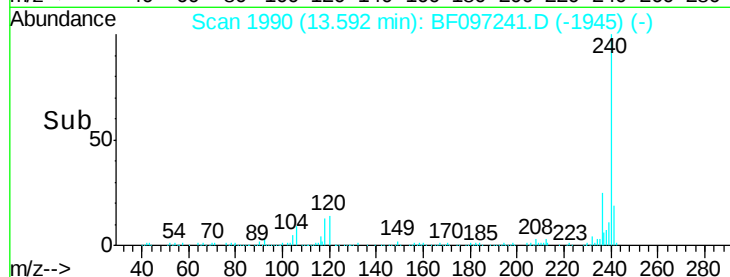
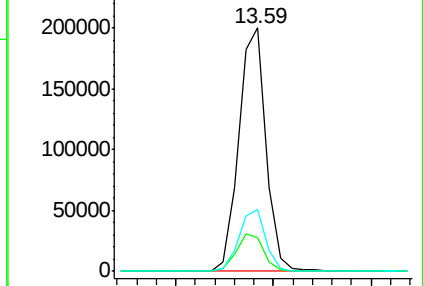
236 25.4 20.5 30.7



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: 58.96 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.04 min

Lab File: BF097241.D

Acq: 1 Aug 2017 19:42

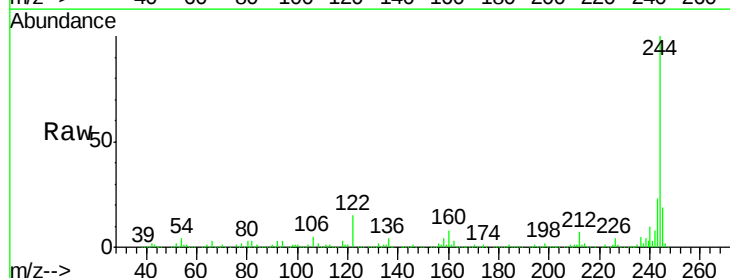
Tgt Ion:244 Resp: 555073

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

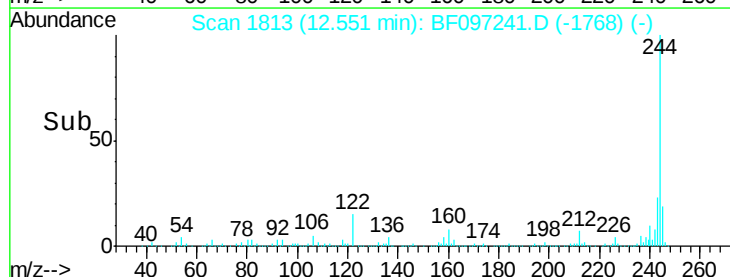
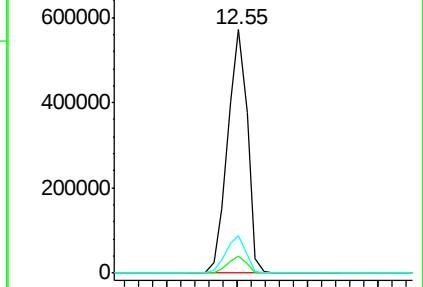
122 15.4 10.3 15.5

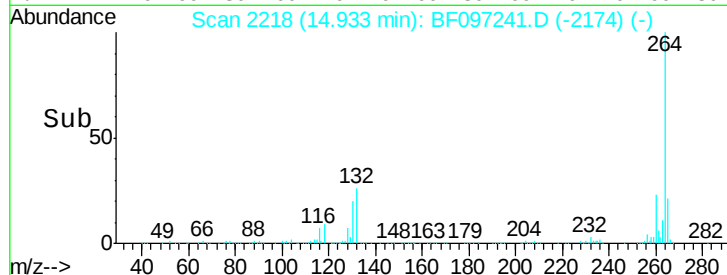
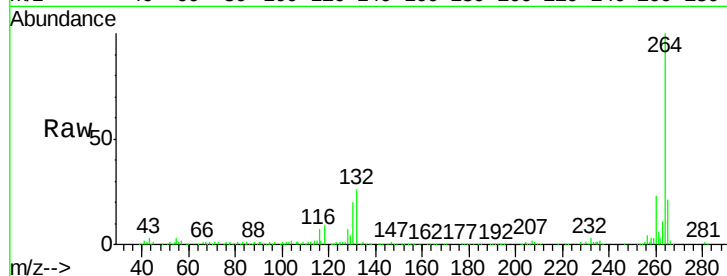
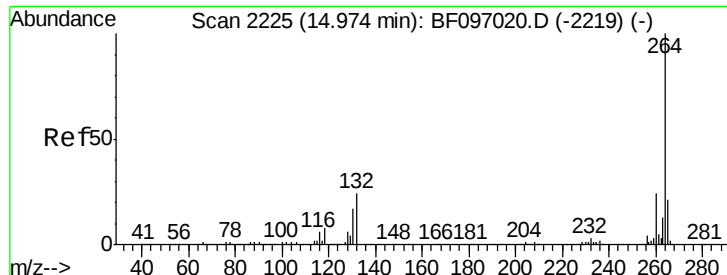


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.93 min Scan# 2218
 Delta R.T. -0.04 min
 Lab File: BF097241.D
 Acq: 1 Aug 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Tot Ion:	264	Resp:	154567
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.3	17.2	25.8

