

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097114.D
 Acq On : 27 Jul 2017 9:30
 Operator : SJ/JU
 Sample : I4443-12 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 10:12:42 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	6.49	152	115842	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	479882	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	189169	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	265726	20.00	ng	0.00
75) Chrysene-d12	13.63	240	195380	20.00	ng	0.00
86) Perylene-d12	14.98	264	154538	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.09	112	86894	11.31	ng	0.00
7) Phenol-d6	6.15	99	109643	12.50	ng	-0.02
23) Nitrobenzene-d5	7.06	82	57055	6.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	15206	10.17	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	102699	9.21	ng	-0.01
78) Terphenyl-d14	12.59	244	47396	4.95	ng	0.00

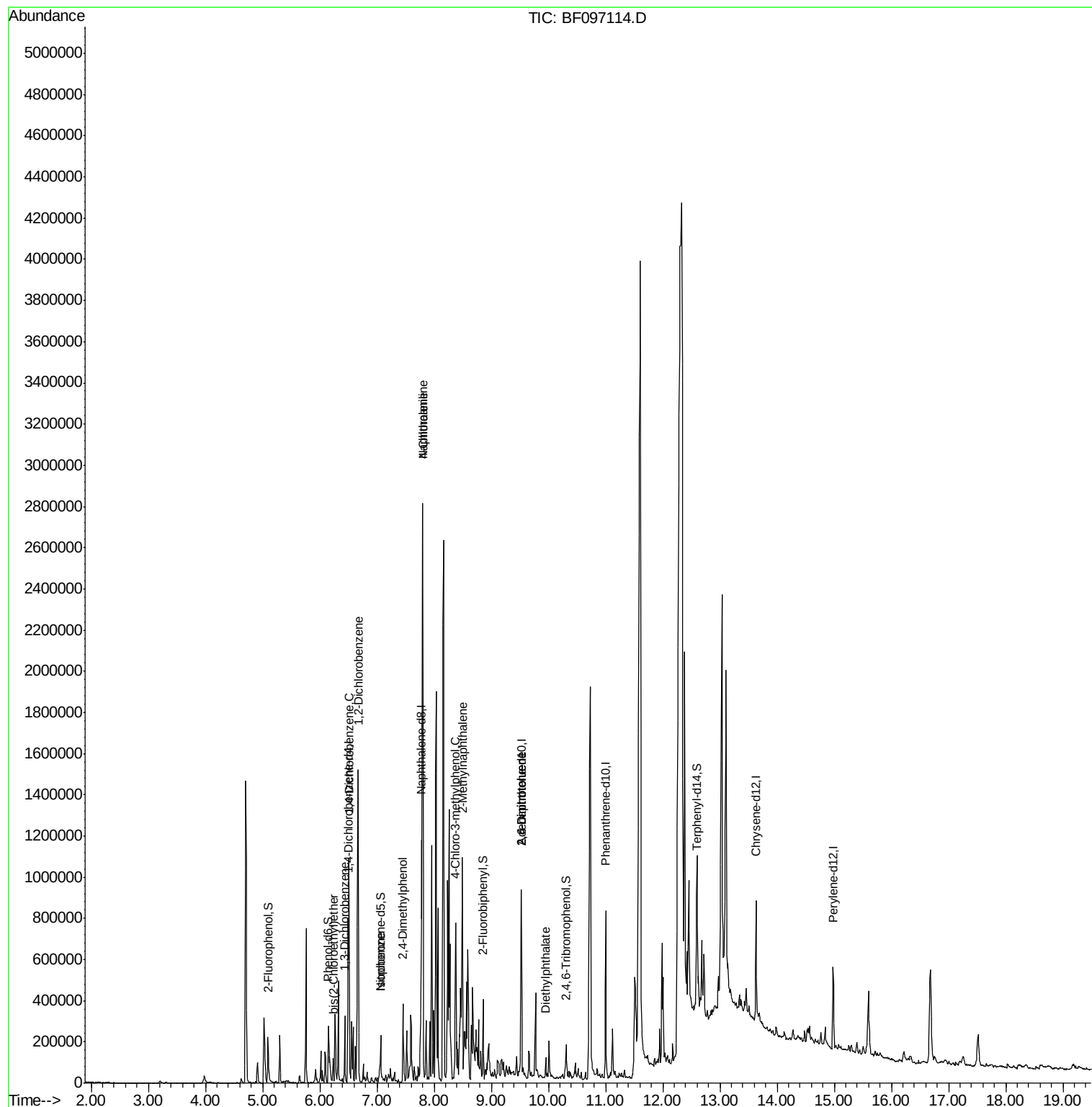
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) bis(2-Chloroethyl)ether	6.23	93	34697	4.216	ng	91
12) 1,3-Dichlorobenzene	6.43	146	73709	8.324	ng	99
13) 1,4-Dichlorobenzene	6.51	146	246667	28.109	ng	94
14) 1,2-Dichlorobenzene	6.67	146	359685	46.943	ng	97
25) Isophorone	7.06	82	55297	3.452	ng	# 67
27) 2,4-Dimethylphenol	7.46	122	55925	7.355	ng	98
31) Naphthalene	7.80	128	1172623	51.838	ng	100
33) 4-Chloroaniline	7.80	127	157598	17.122	ng	# 32
36) 4-Chloro-3-methylphenol	8.37	107	34636	4.847	ng	# 14
37) 2-Methylnaphthalene	8.49	142	223386	15.597	ng	99
50) 2,6-Dinitrotoluene	9.52	165	25538	8.382	ng	# 34
56) 2,4-Dinitrotoluene	9.52	165	25538	7.291	ng	# 34
59) Diethylphthalate	9.95	149	34296	2.602	ng	99

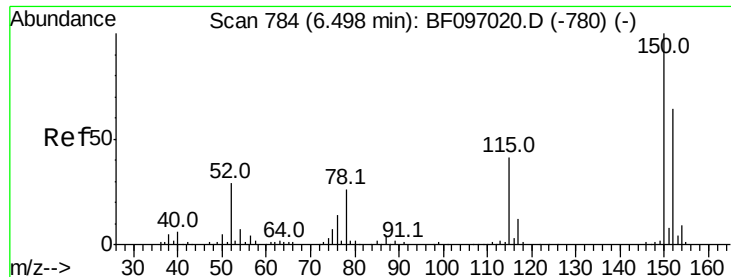
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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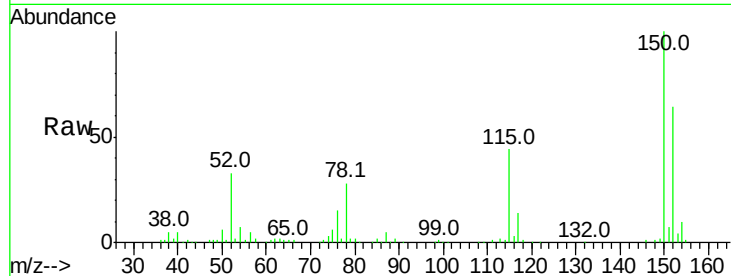


#1

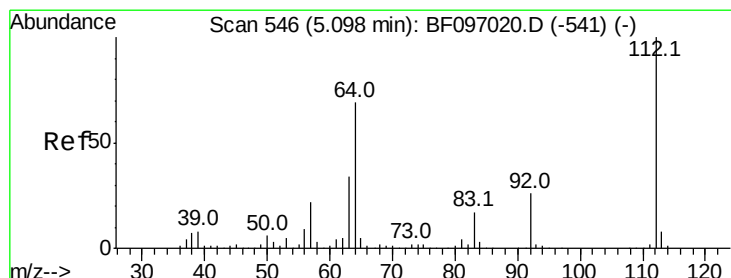
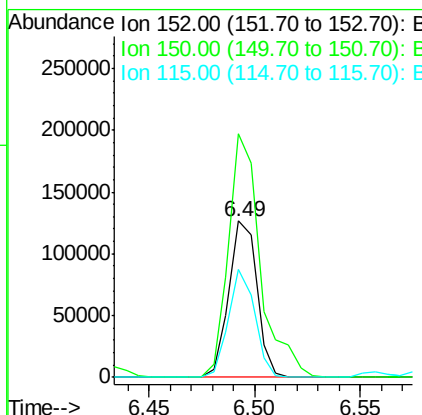
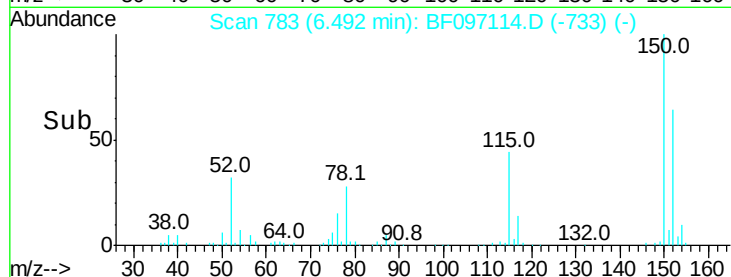
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097114.D
Acq: 27 Jul 2017 9:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115842
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 68.8 52.2 78.2



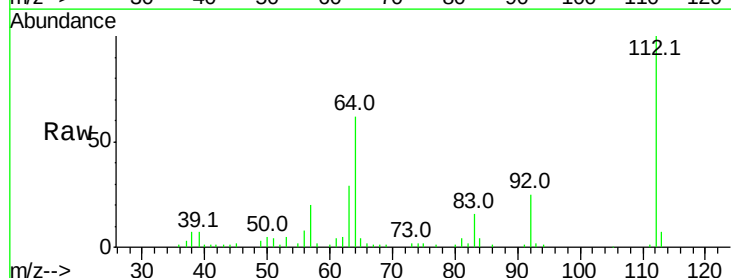
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



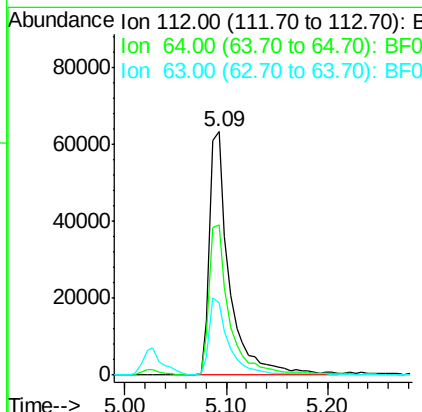
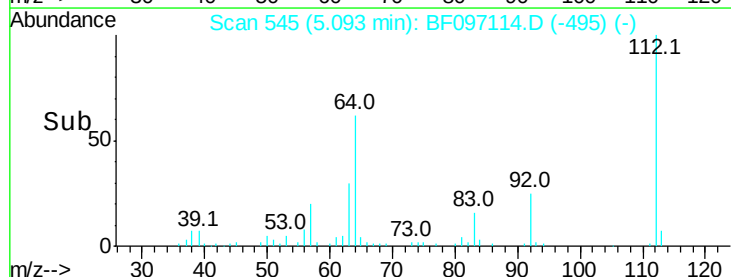
#5

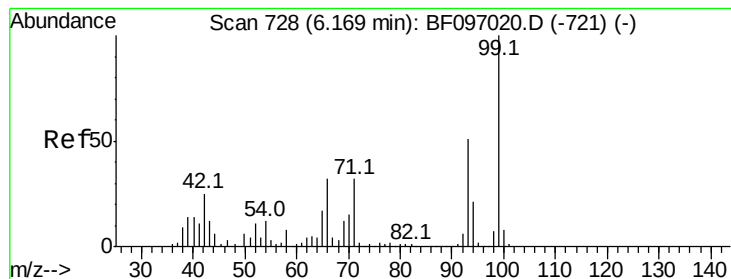
2-Fluorophenol
Concen: 11.308 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097114.D
Acq: 27 Jul 2017 9:30

Tgt Ion:112 Resp: 86894
Ion Ratio Lower Upper
112 100
64 61.8 46.0 69.0
63 29.4 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: 12.498 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

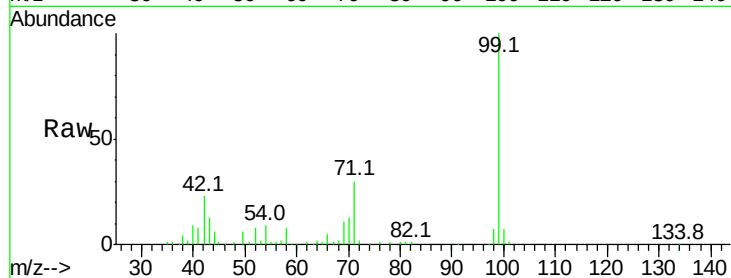
Tot Ion: 99 Resp: 109643

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

71 29.6 24.5 36.7

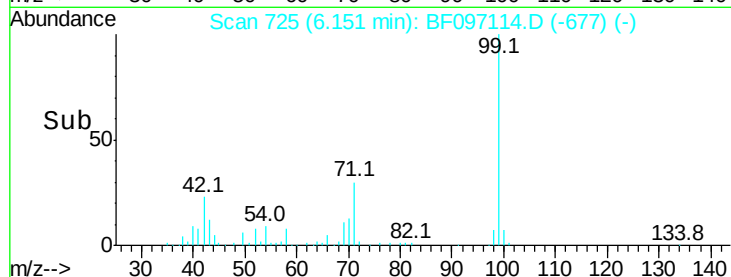


Abundance Ion 99.00 (98.70 to 99.70): BF0

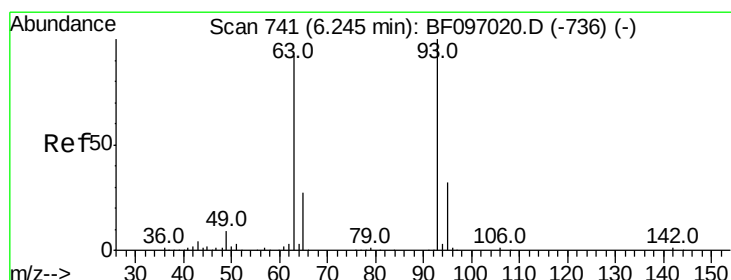
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.15



Time-->



#11

bis(2-Chloroethyl)ether

Concen: 4.216 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

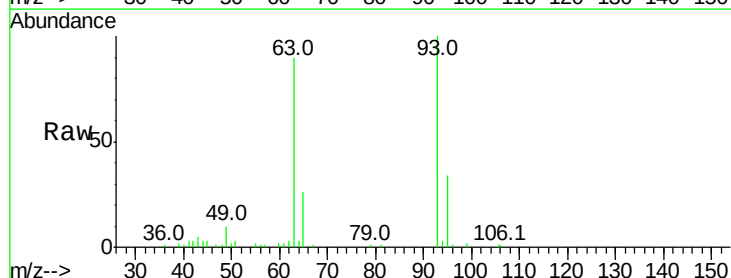
Tgt Ion: 93 Resp: 34697

Ion Ratio Lower Upper

93 100

63 90.2 59.2 99.2

95 34.1 12.8 52.8

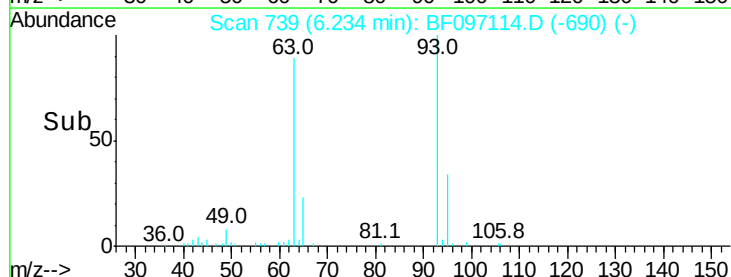


Abundance Ion 93.00 (92.70 to 93.70): BF0

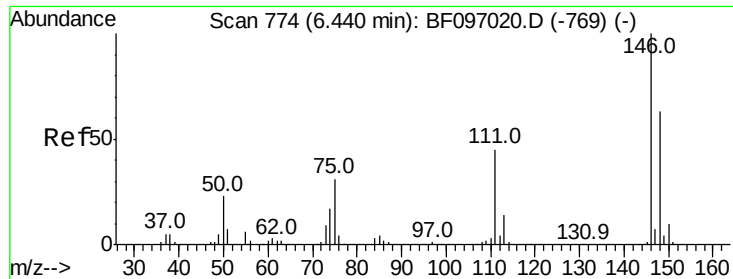
Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

6.23



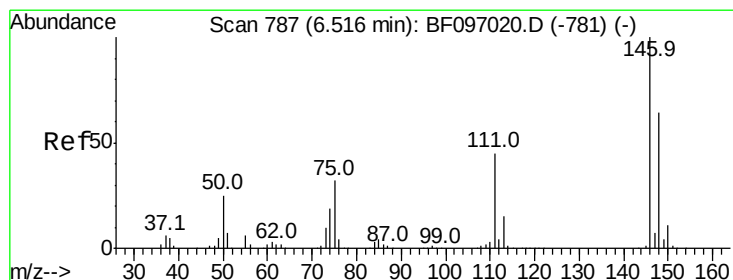
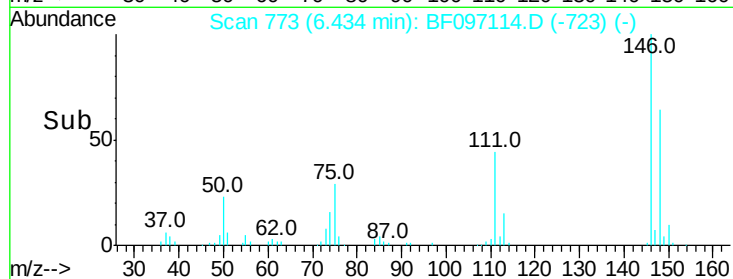
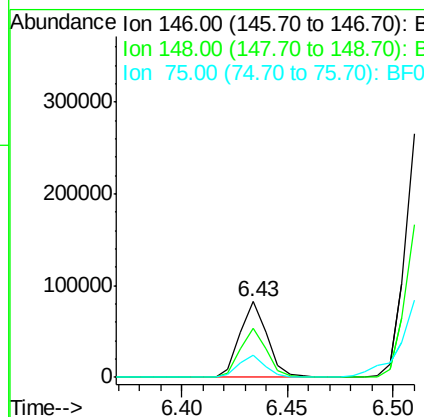
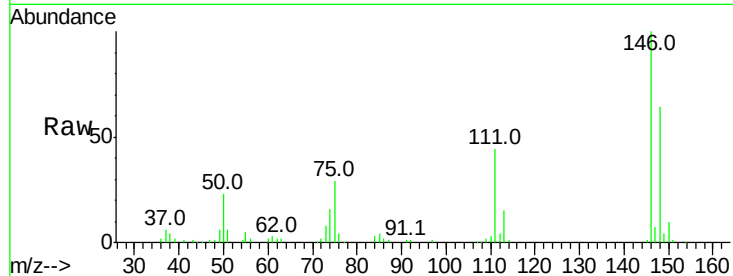
Time-->



#12
 1,3-Dichlorobenzene
 Concen: 8.324 ng
 RT: 6.43 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

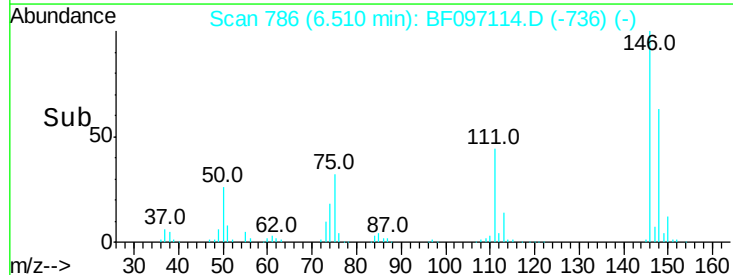
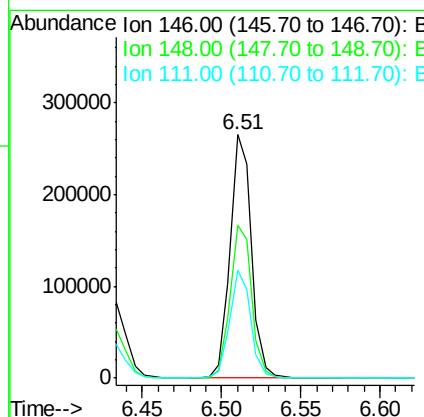
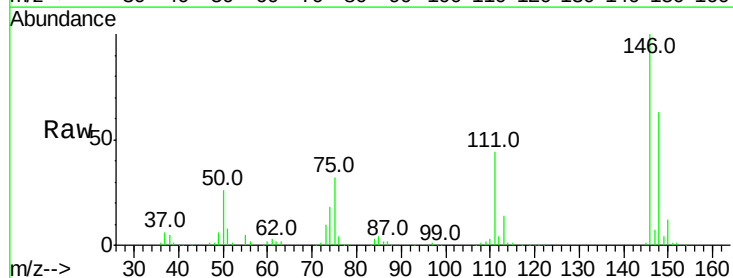
Instrument :
 BNA_F
 ClientSampleId :

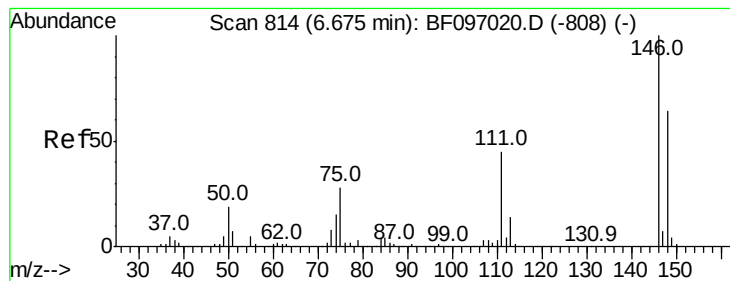
Tot Ion:146 Resp: 73709
 Ion Ratio Lower Upper
 146 100
 148 64.1 51.8 77.6
 75 29.2 23.1 34.7



#13
 1,4-Dichlorobenzene
 Concen: 28.109 ng
 RT: 6.51 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Tgt Ion:146 Resp: 246667
 Ion Ratio Lower Upper
 146 100
 148 62.6 52.2 78.2
 111 44.4 30.3 45.5





#14

1,2-Dichlorobenzene

Concen: 46.943 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

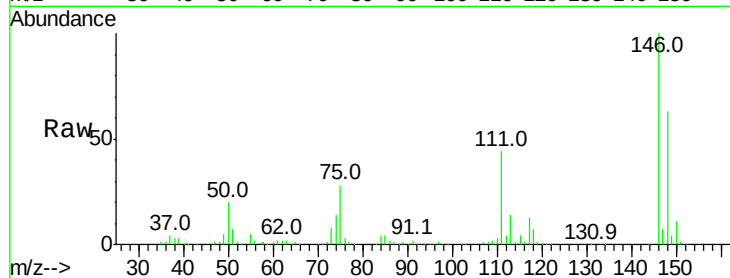
Tot Ion:146 Resp: 359685

Ion Ratio Lower Upper

146 100

148 63.2 50.4 75.6

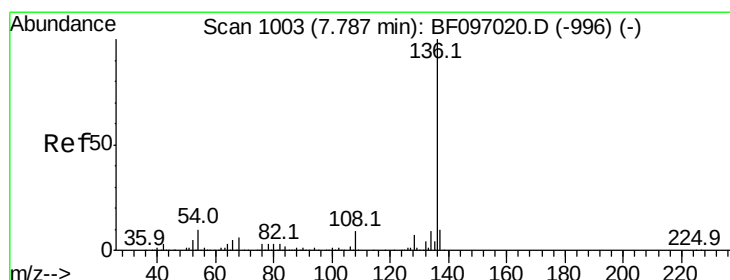
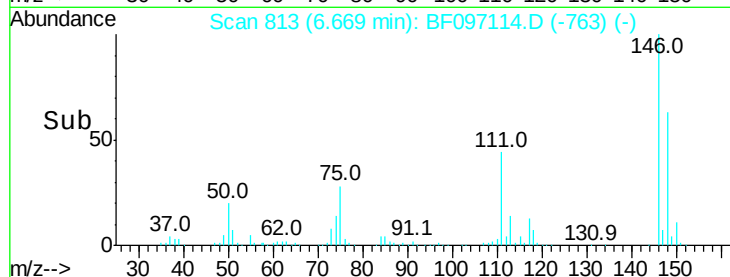
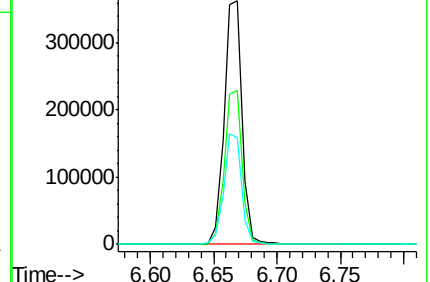
111 43.9 38.2 57.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Tgt Ion:136 Resp: 479882

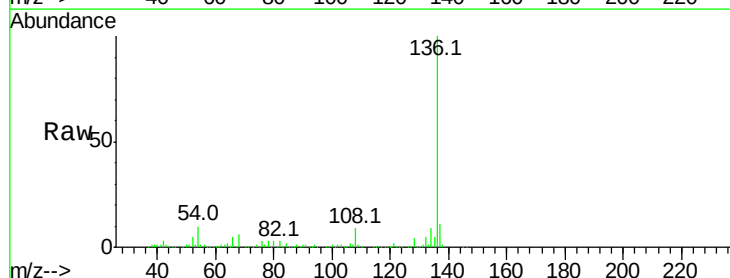
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 9.9 4.9 7.3#

68 5.9 4.1 6.1

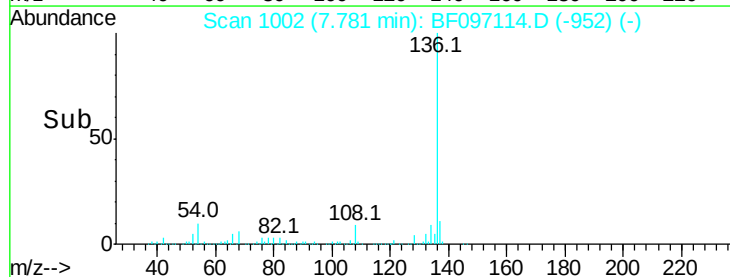
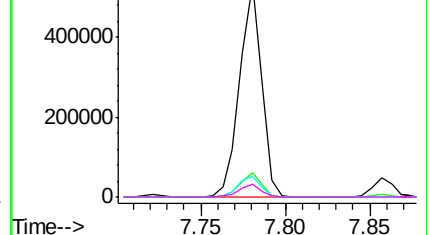


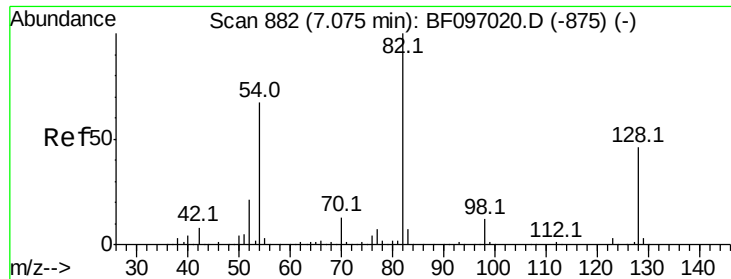
Abundance Ion 136.00 (135.70 to 136.70): E

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

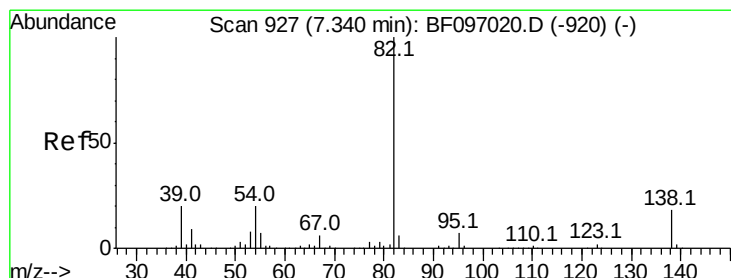
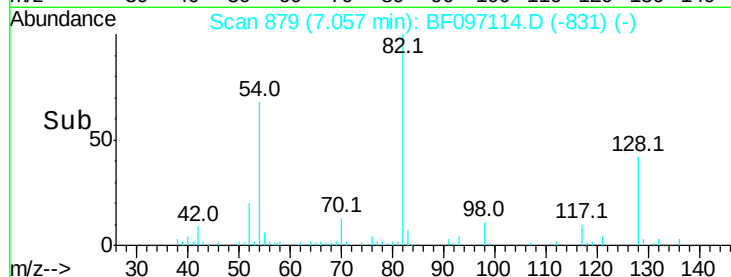
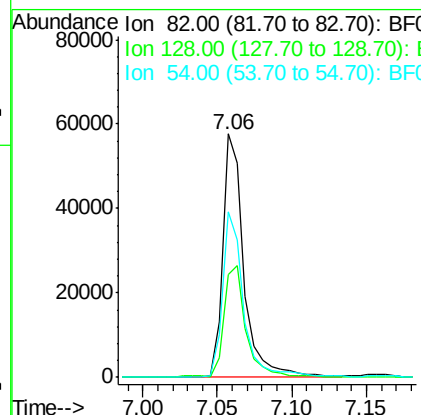
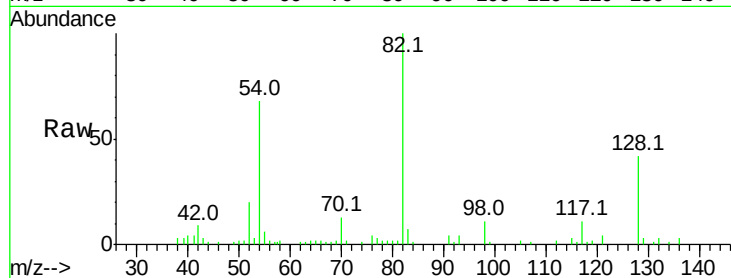




#23
 Nitrobenzene-d5
 Concen: 6.975 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

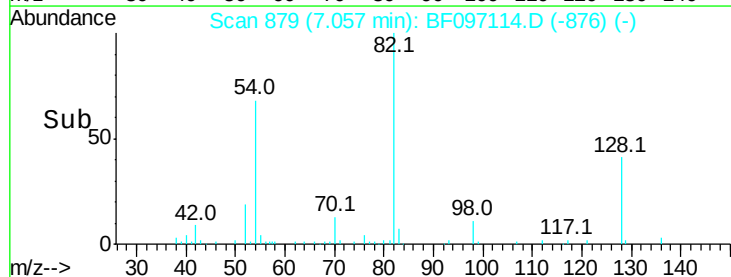
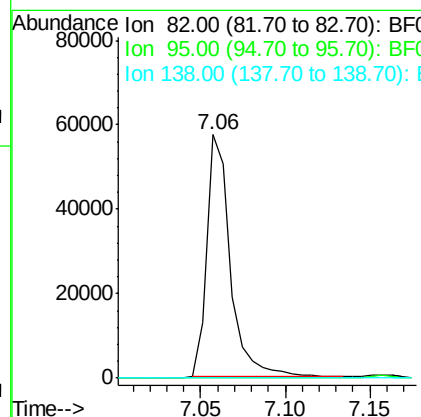
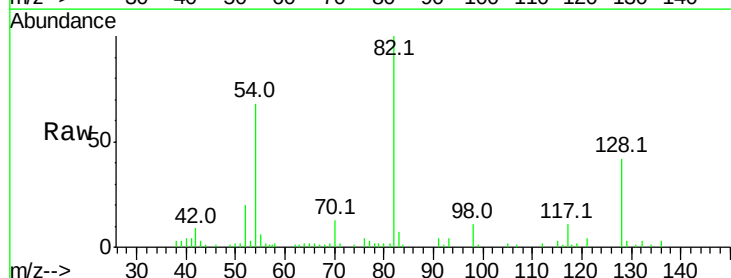
Instrument :
 BNA_F
 ClientSampleId :

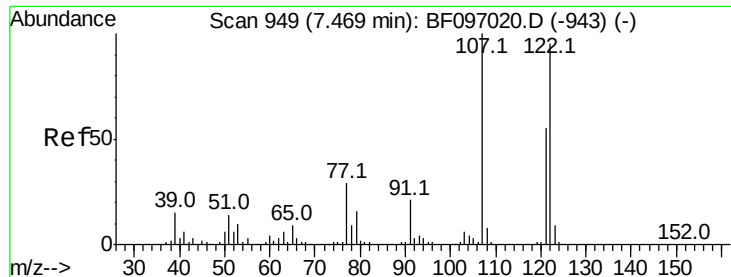
Tot Ion:	82	Resp:	57055
Ion Ratio	Lower	Upper	
82	100		
128	42.2	34.0	51.0
54	68.0	42.2	63.2#



#25
 Isophorone
 Concen: 3.452 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Tgt Ion:	82	Resp:	55297
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: 7.355 ng

RT: 7.46 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampled :

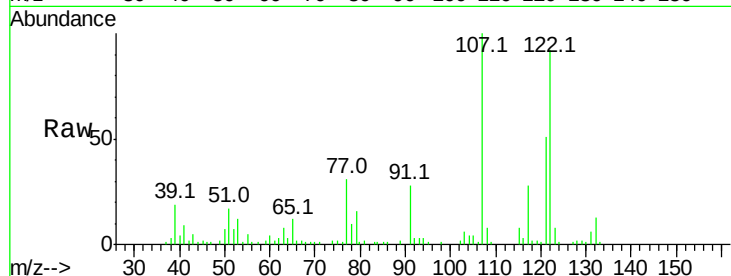
Tot Ion:122 Resp: 55925

Ion Ratio Lower Upper

122 100

107 108.8 89.2 133.8

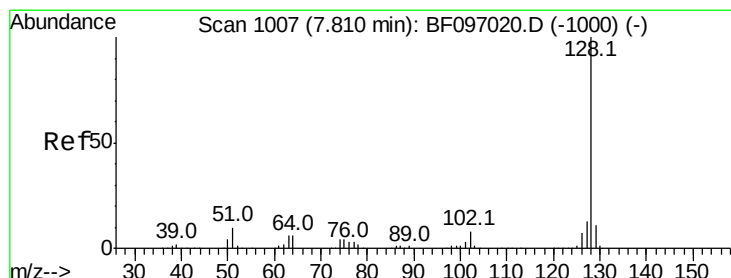
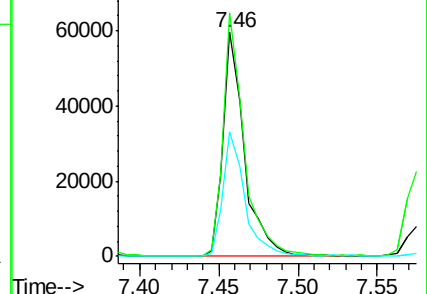
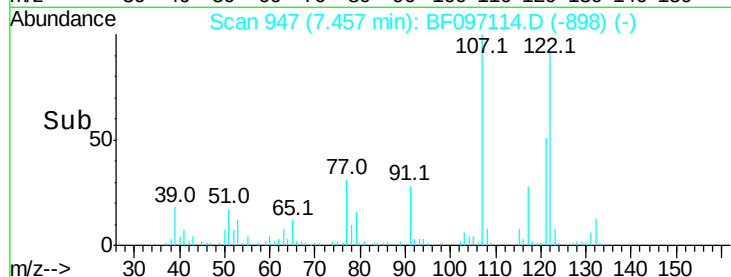
121 55.5 45.2 67.8



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: 51.838 ng

RT: 7.80 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

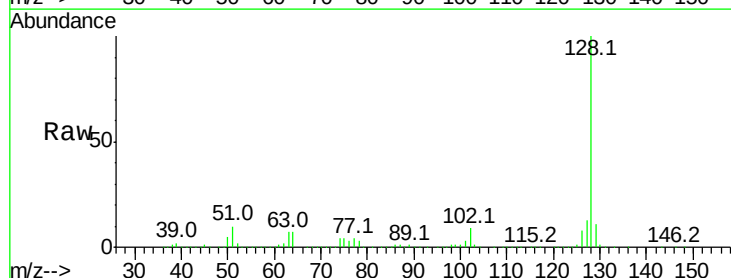
Tgt Ion:128 Resp: 1172623

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

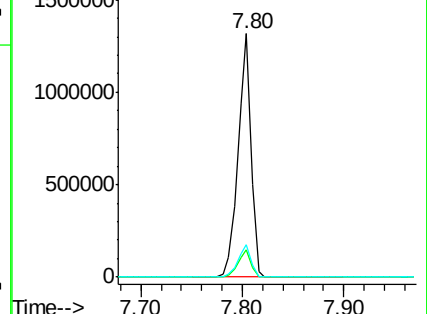
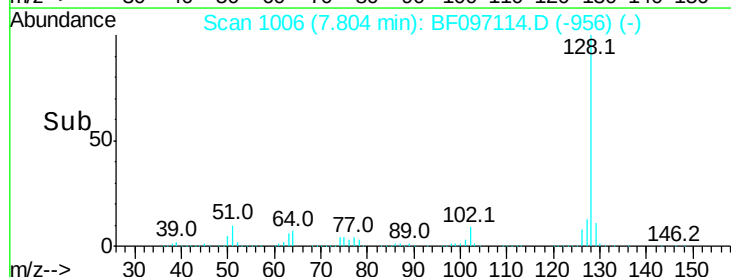
127 13.5 10.8 16.2

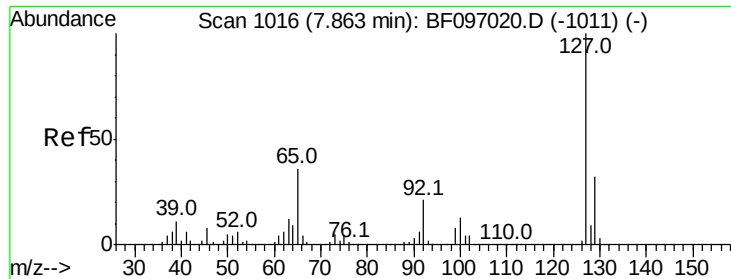


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

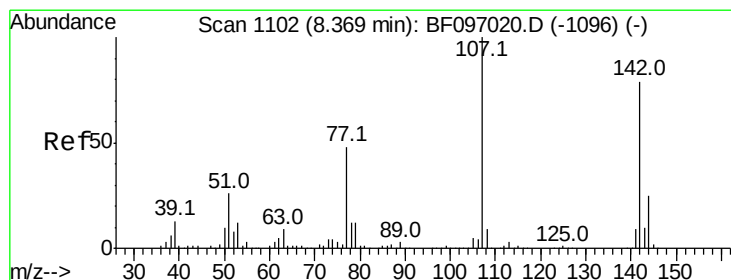
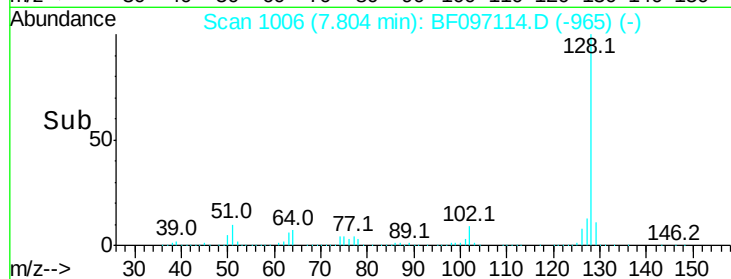
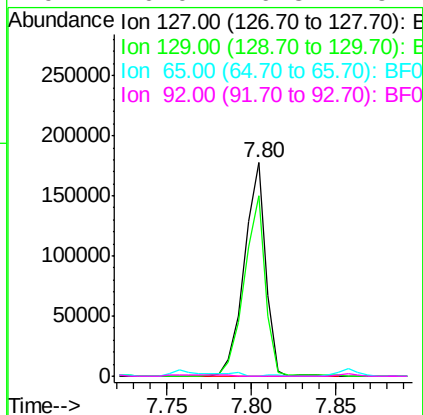
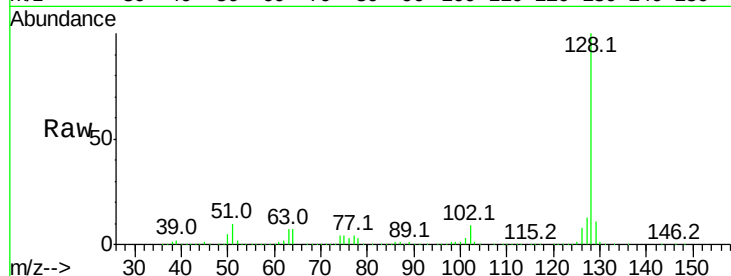




#33
4-Chloroaniline
Concen: 17.122 ng
RT: 7.80 min Scan# 1006
Delta R.T. -0.06 min
Lab File: BF097114.D
Acq: 27 Jul 2017 9:30

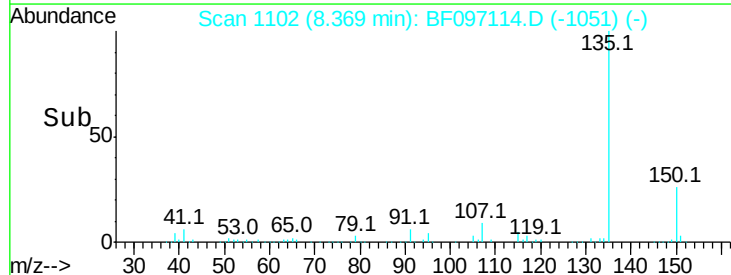
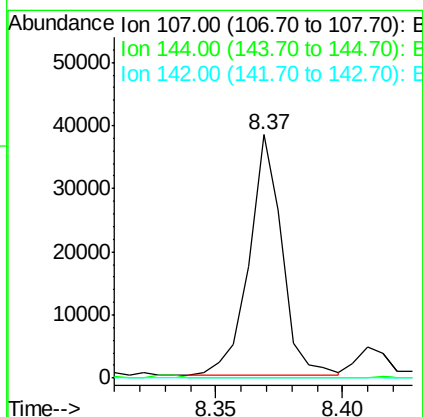
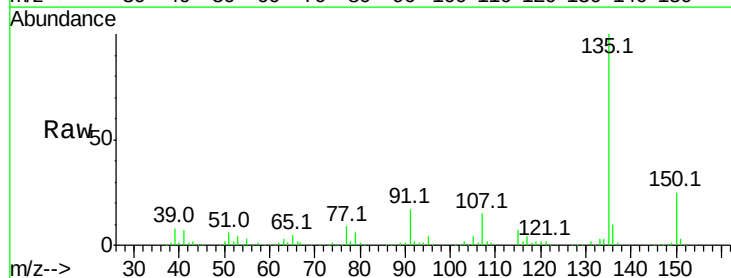
Instrument :
BNA_F
ClientSampleId :

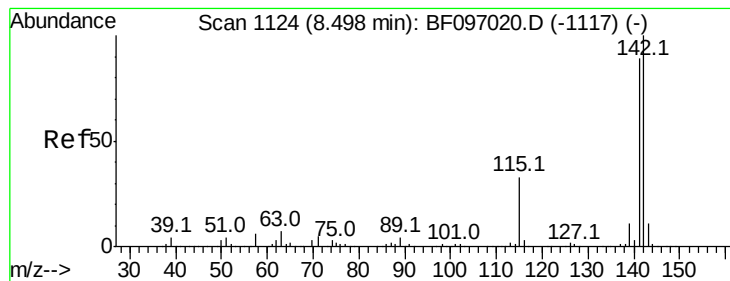
Tot Ion:	127	Resp:	157598
Ion	Ratio	Lower	Upper
127	100		
129	84.3	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#36
4-Chloro-3-methylphenol
Concen: 4.847 ng
RT: 8.37 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BF097114.D
Acq: 27 Jul 2017 9:30

Tgt Ion:	107	Resp:	34636
Ion	Ratio	Lower	Upper
107	100		
144	0.0	24.2	36.4#
142	0.0	73.4	110.0#





#37

2-Methylnaphthalene

Concen: 15.597 ng

RT: 8.49 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

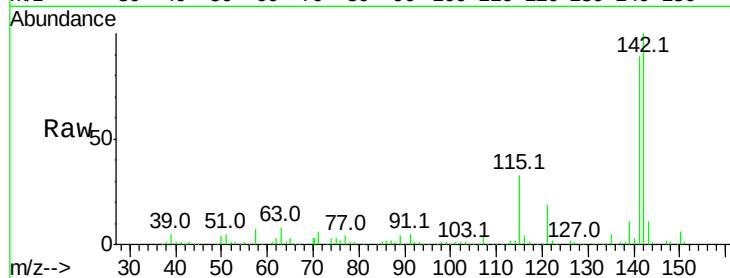
Tot Ion:142 Resp: 223386

Ion Ratio Lower Upper

142 100

141 89.5 71.3 106.9

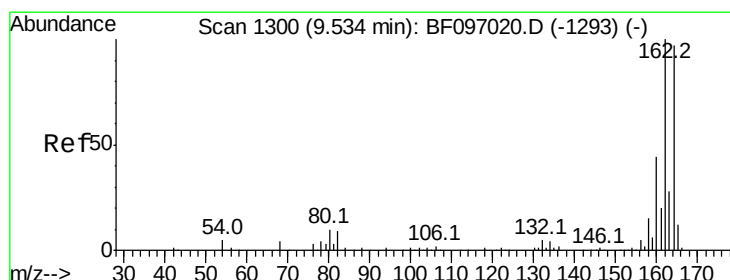
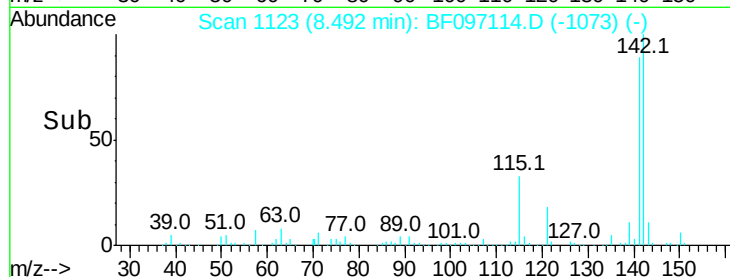
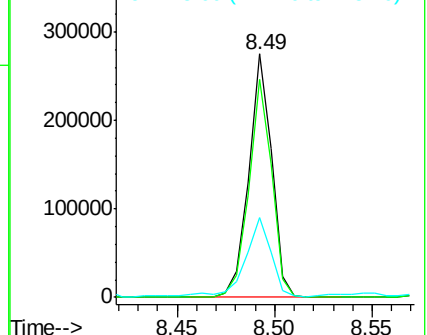
115 32.9 27.1 40.7



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: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

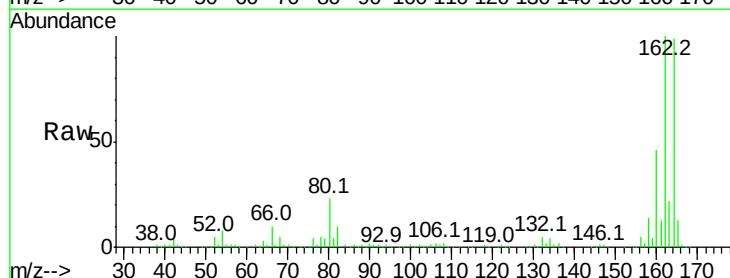
Tgt Ion:164 Resp: 189169

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

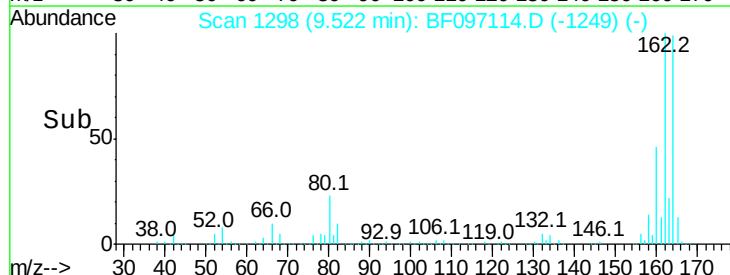
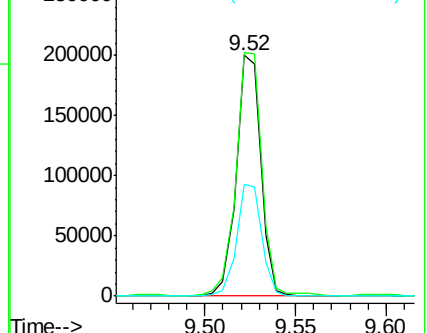
160 46.3 36.2 54.2

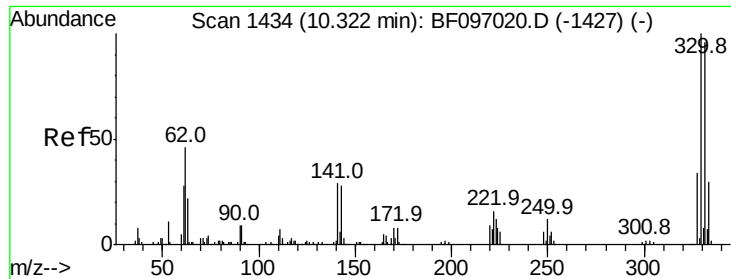


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

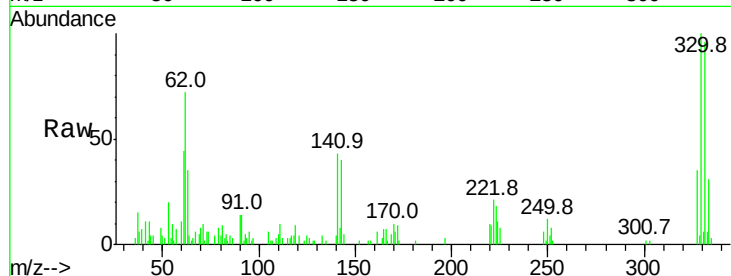




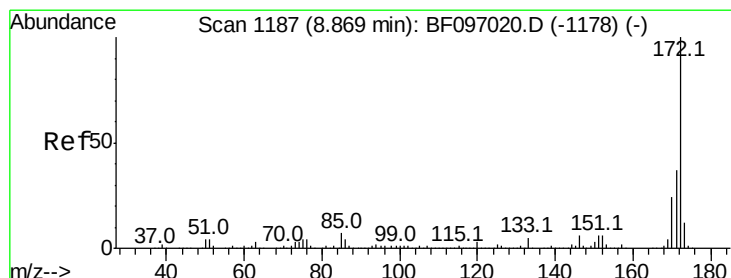
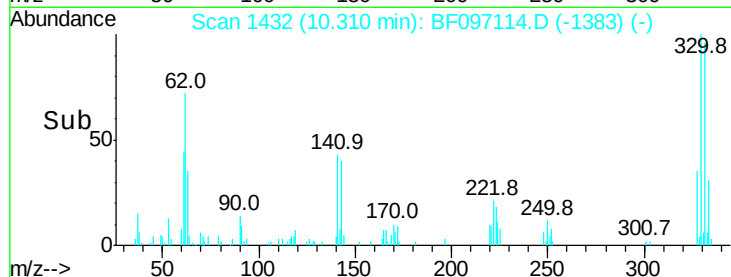
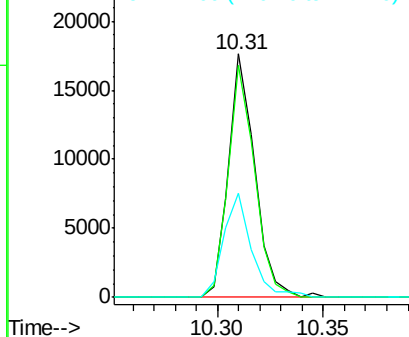
#41
 2,4,6-Tribromophenol
 Concen: 10.174 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	45.1	31.4	47.2

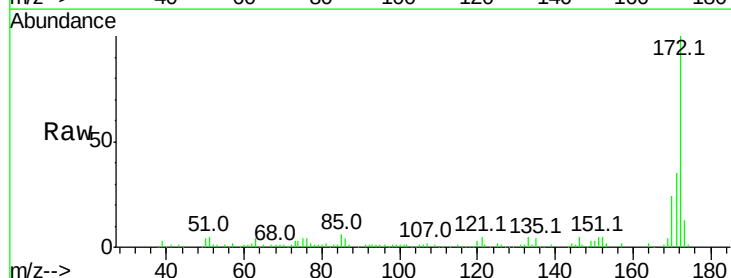


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

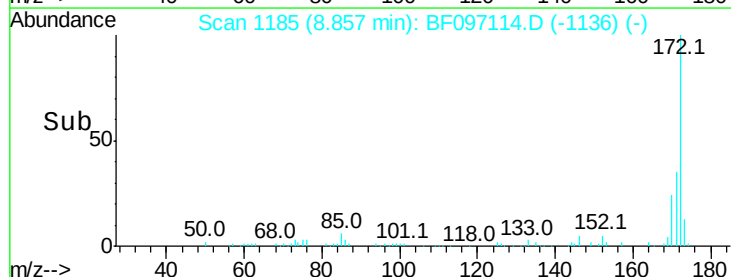
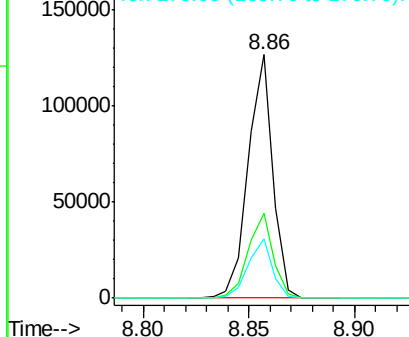


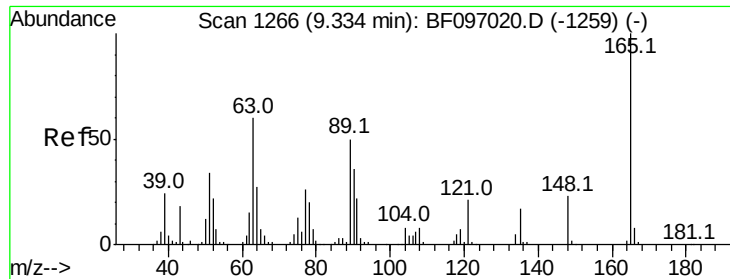
#44
 2-Fluorobiphenyl
 Concen: 9.213 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	24.3	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

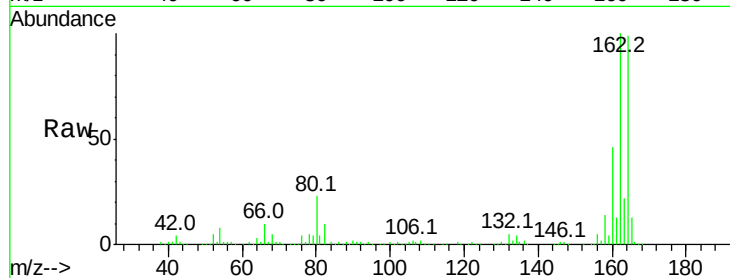




#50
 2,6-Dinitrotoluene
 Concen: 8.382 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. 0.19 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :

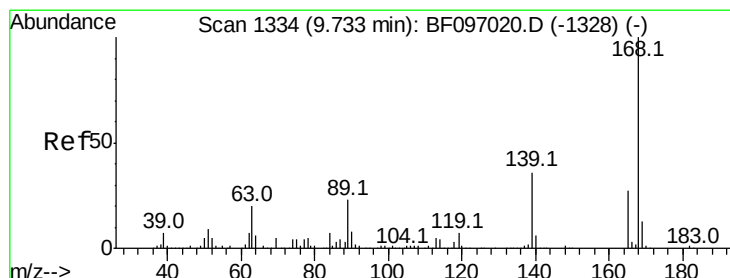
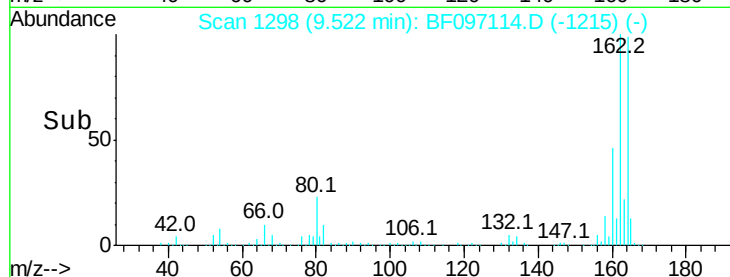
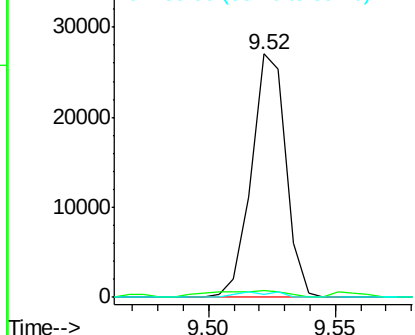
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	34.3	51.5#
89	1.2	37.1	55.7#



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: 7.291 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

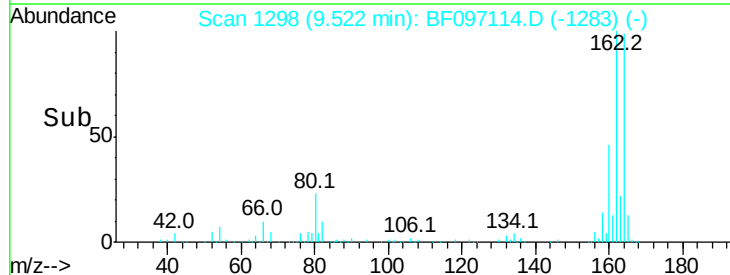
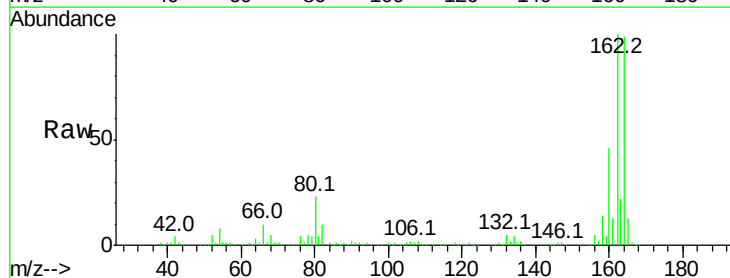
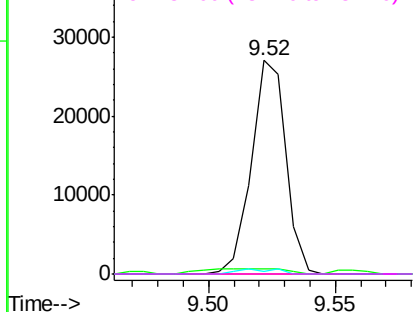
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

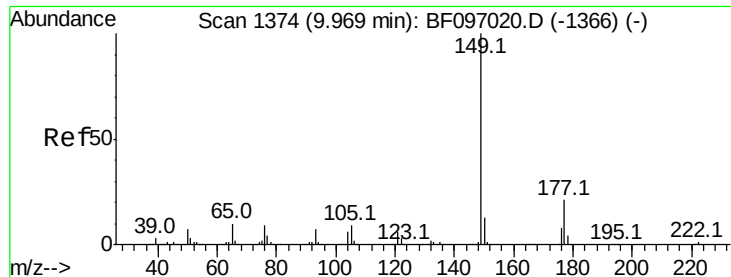
Abundance Ion 165.00 (164.70 to 165.70): E

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

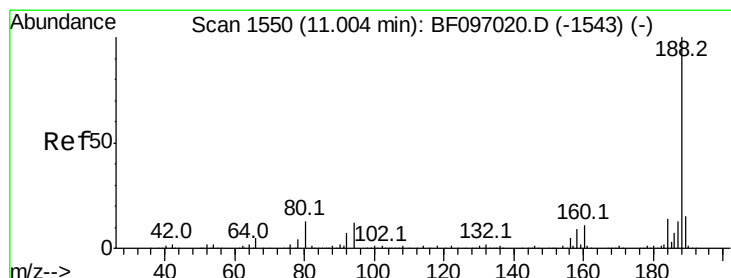
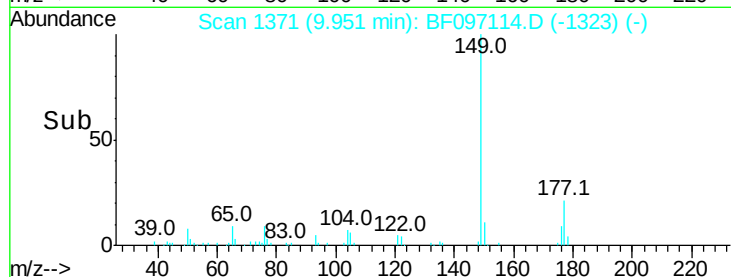
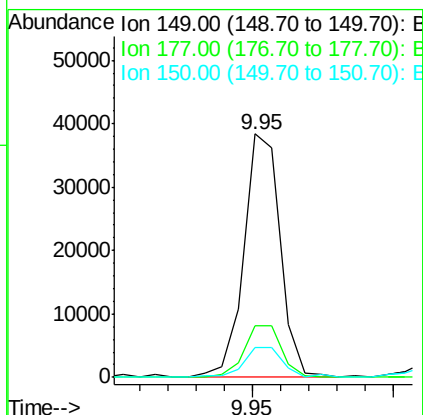
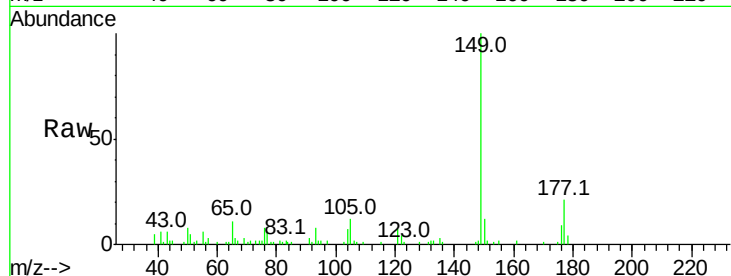




#59
Diethylphthalate
Concen: 2.602 ng
RT: 9.95 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BF097114.D
Acq: 27 Jul 2017 9:30

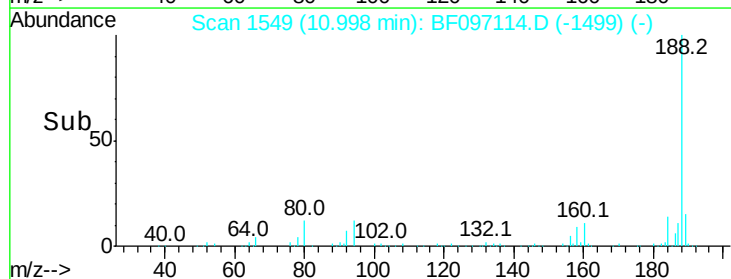
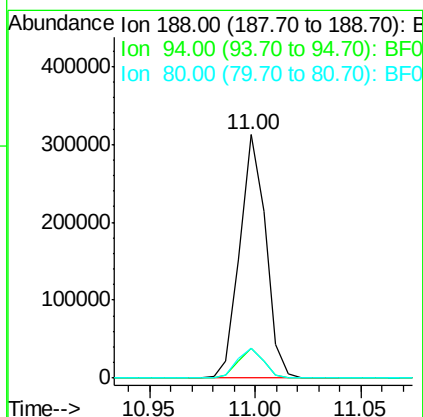
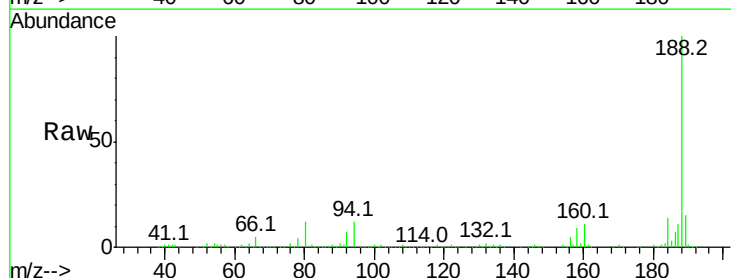
Instrument :
BNA_F
ClientSampled :

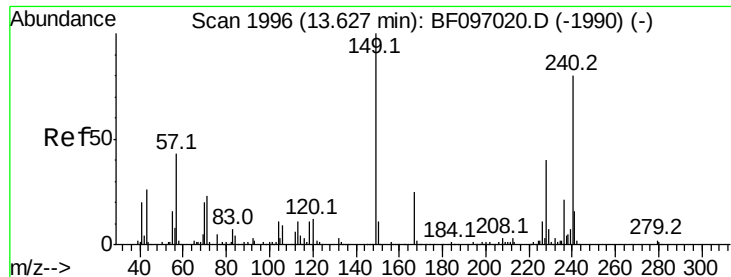
Tot Ion:149 Resp: 34296
Ion Ratio Lower Upper
149 100
177 21.2 16.7 25.1
150 12.2 10.2 15.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097114.D
Acq: 27 Jul 2017 9:30

Tgt Ion:188 Resp: 265726
Ion Ratio Lower Upper
188 100
94 12.5 9.4 14.2
80 12.2 10.2 15.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampled :

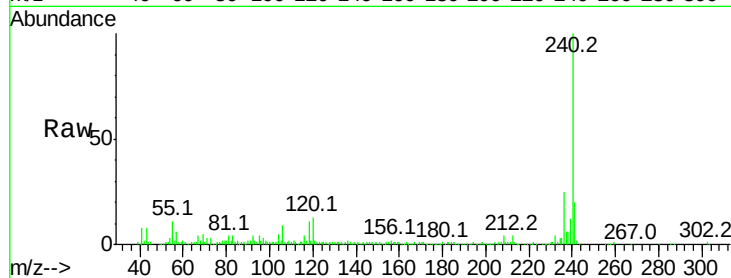
Tot Ion:240 Resp: 195380

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

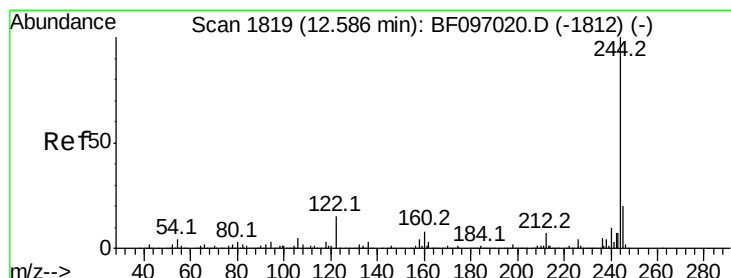
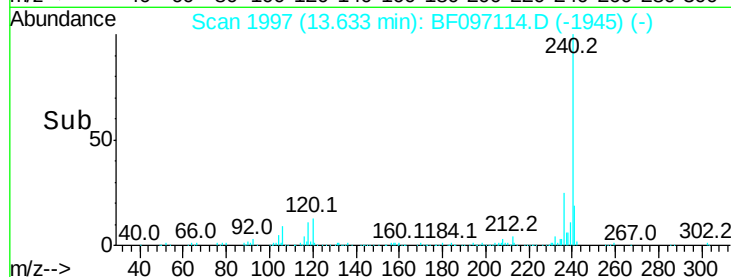
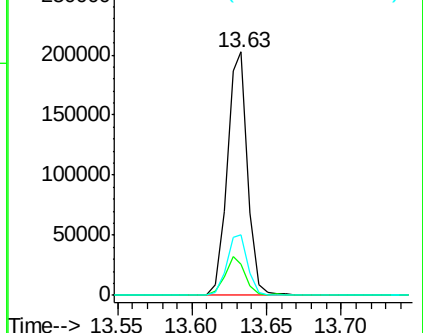
236 24.8 20.5 30.7



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: 4.946 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

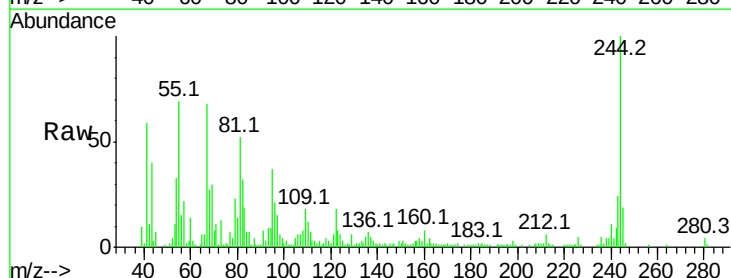
Tgt Ion:244 Resp: 47396

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

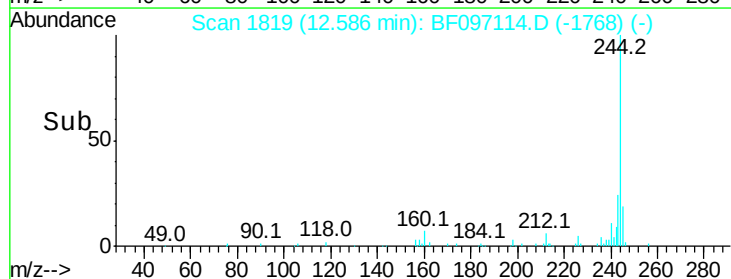
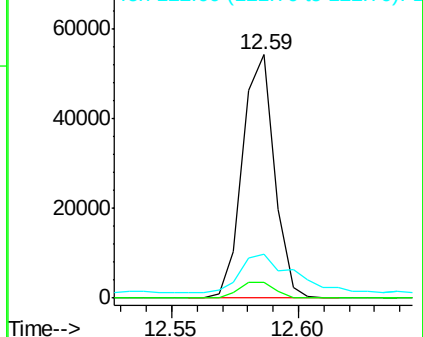
122 18.2 10.3 15.5#

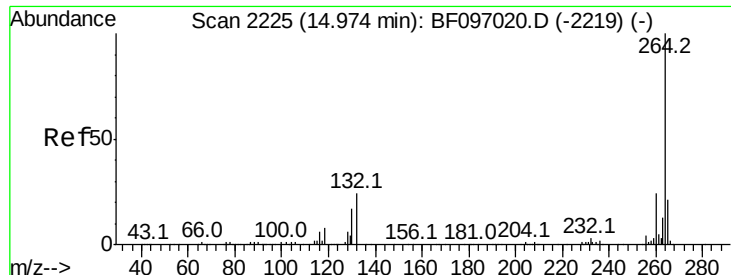


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

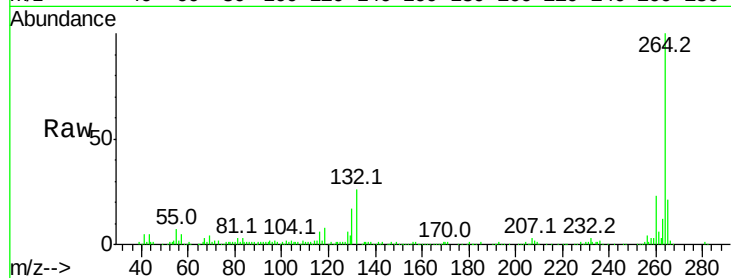




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.98 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF097114.D
Acq: 27 Jul 2017 9:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	21.5	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

