

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097261.D
 Acq On : 2 Aug 2017 8:23
 Operator : SJ/JU
 Sample : I4527-09 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 11:39:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 11:39:11 2017
 Response via : Initial Calibration

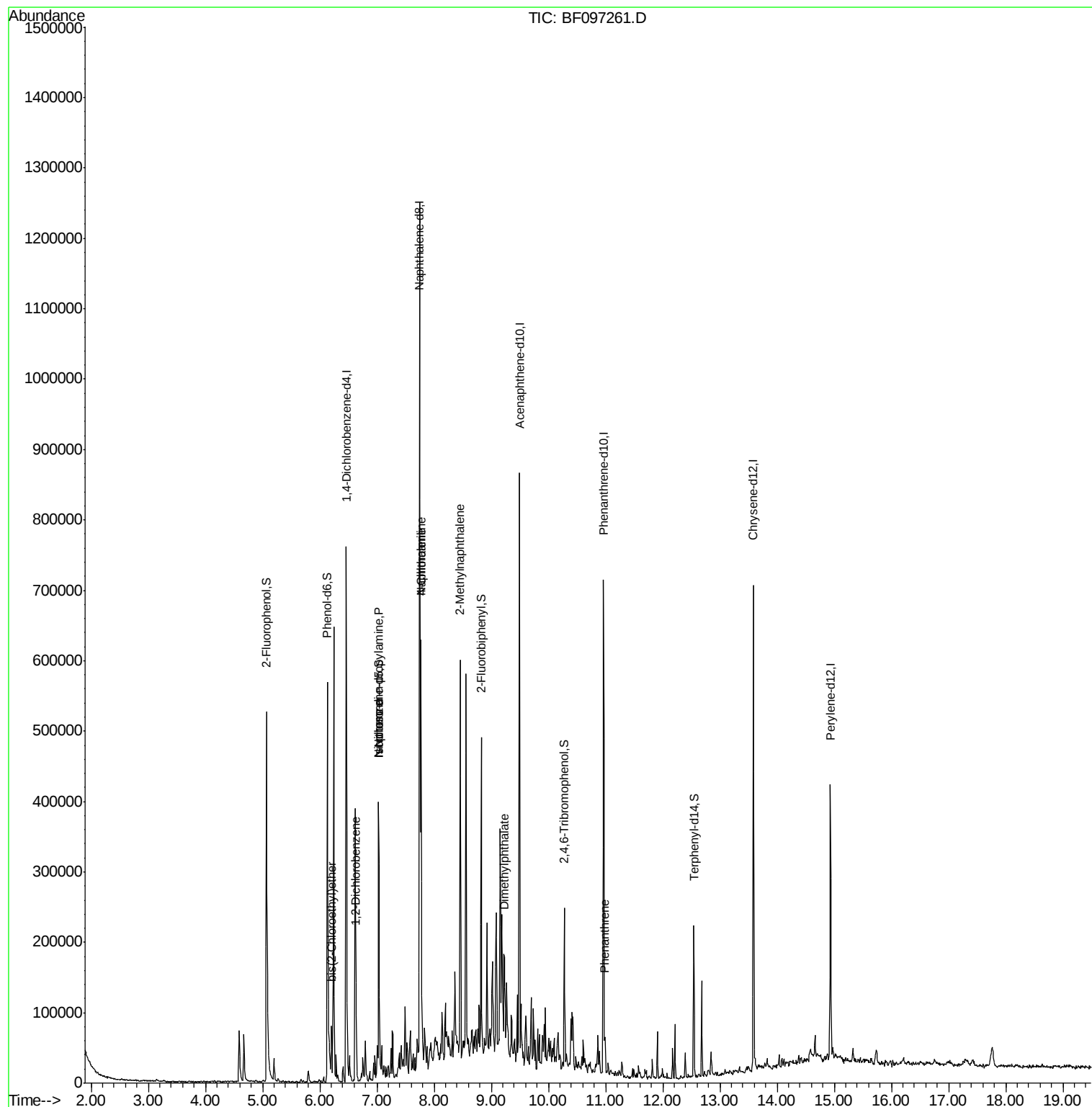
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	109924	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	475985	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	155389	20.00	ng	0.00
63) Phenanthrene-d10	10.96	188	225508	20.00	ng	0.00
75) Chrysene-d12	13.59	240	214548	20.00	ng	0.00
86) Perylene-d12	14.93	264	149271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	198080	27.16	ng	0.00
7) Phenol-d6	6.13	99	244291	29.35	ng	-0.01
23) Nitrobenzene-d5	7.03	82	118019	14.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	22926	18.67	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	120530	13.16	ng	-0.01
78) Terphenyl-d14	12.55	244	59801	5.68	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.20	93	20480	2.622	ng	90
14) 1,2-Dichlorobenzene	6.63	146	28544	3.926	ng	96
19) n-Nitroso-di-n-propylamine	7.03	70	15462	2.822	ng	# 85
25) Isophorone	7.03	82	118017	7.427	ng	# 67
31) Naphthalene	7.77	128	250963	11.185	ng	99
33) 4-Chloroaniline	7.77	127	33524	3.672	ng	# 37
37) 2-Methylnaphthalene	8.46	142	139995	9.854	ng	97
49) Dimethylphthalate	9.22	163	51643	4.377	ng	98
70) Phenanthrene	10.99	178	26689	2.209	ng	99

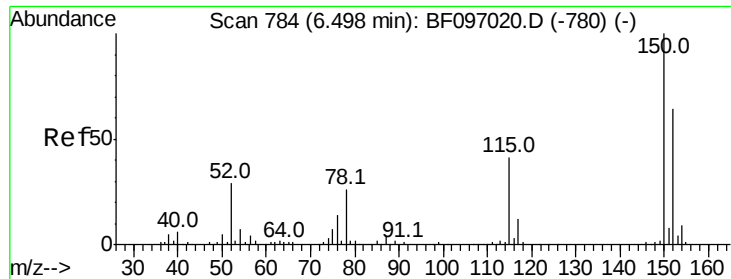
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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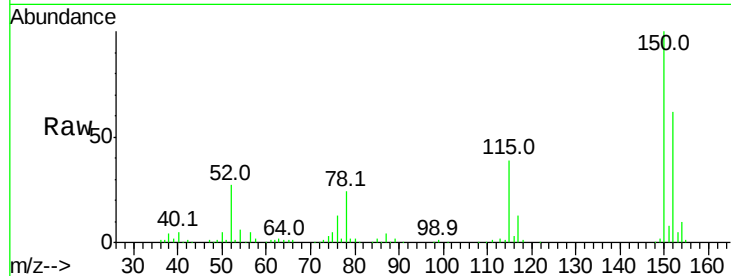


#1

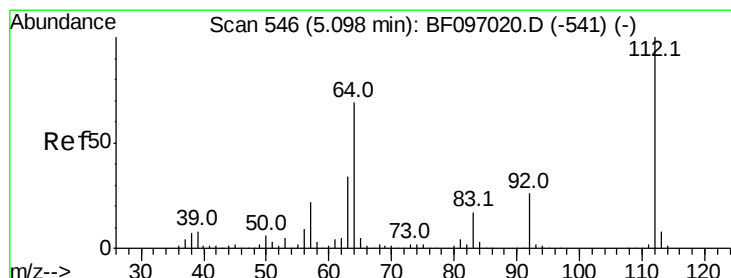
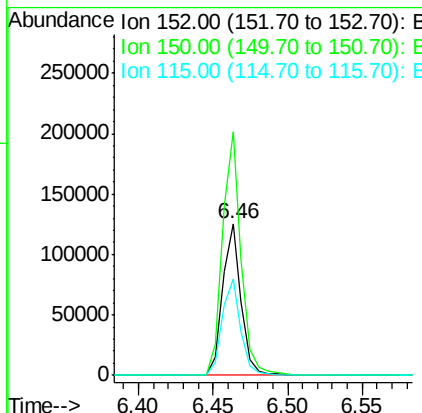
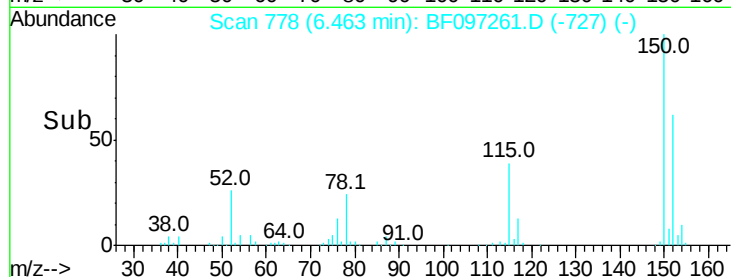
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.46 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF097261.D
 Acq: 2 Aug 2017 8:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 109924
 Ion Ratio Lower Upper
 152 100
 150 160.3 126.2 189.2
 115 63.2 52.2 78.2



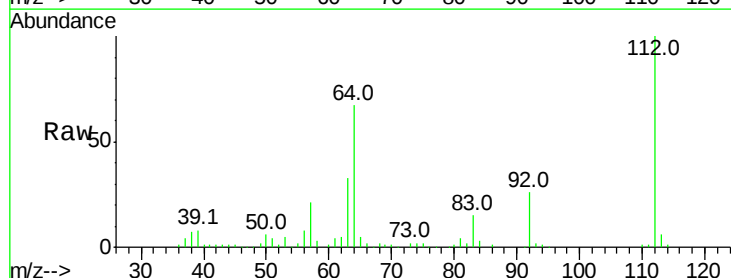
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



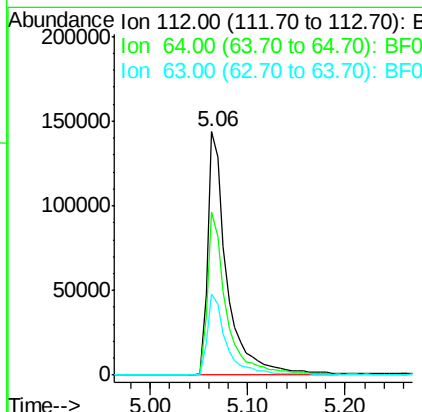
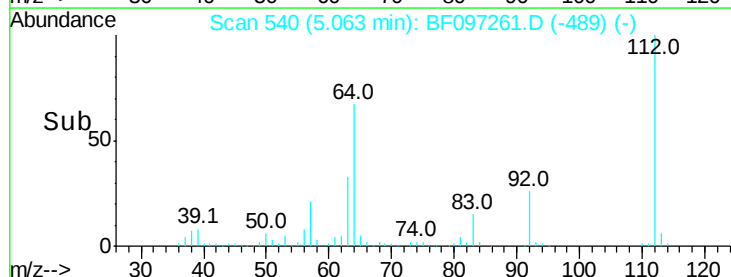
#5

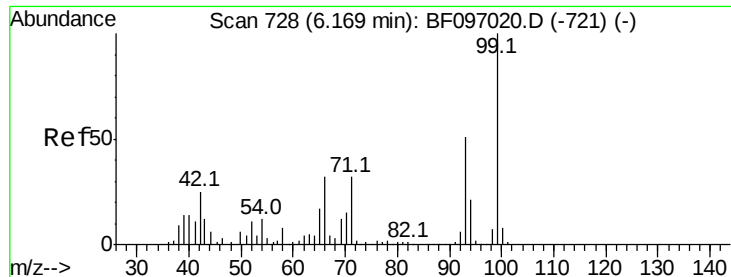
2-Fluorophenol
 Concen: 27.165 ng
 RT: 5.06 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: BF097261.D
 Acq: 2 Aug 2017 8:23

Tgt Ion:112 Resp: 198080
 Ion Ratio Lower Upper
 112 100
 64 66.7 46.0 69.0
 63 33.1 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: 29.346 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

Instrument :

BNA_F

ClientSampled :

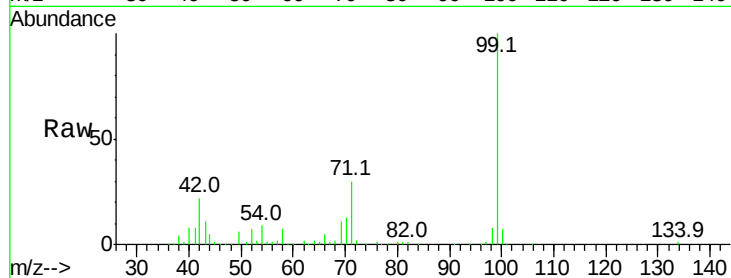
Tot Ion: 99 Resp: 244291

Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

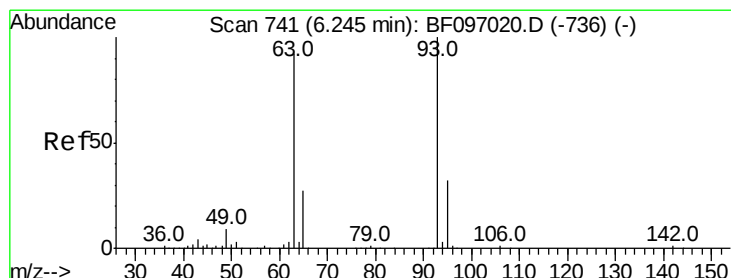
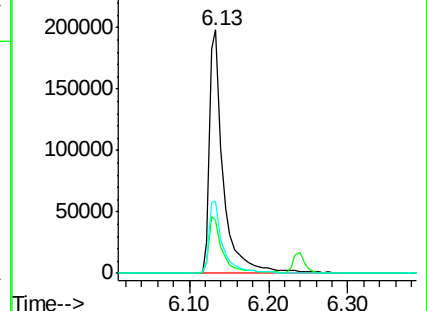
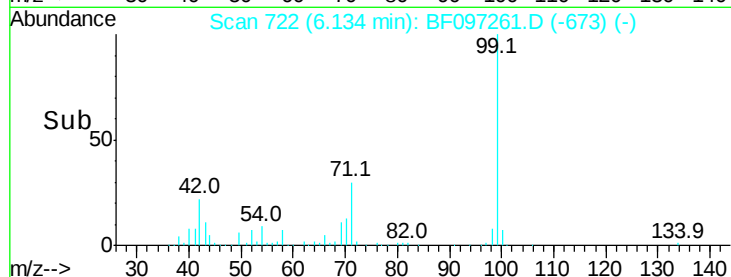
71 29.7 24.5 36.7



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: 2.622 ng

RT: 6.20 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

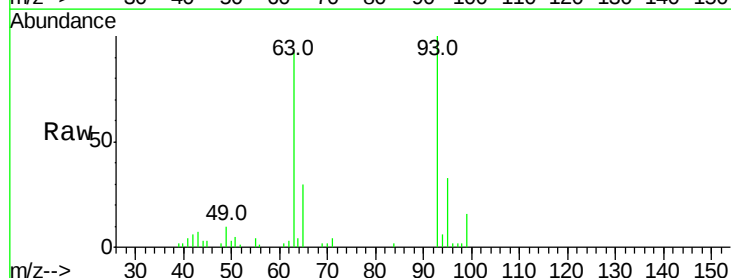
Tgt Ion: 93 Resp: 20480

Ion Ratio Lower Upper

93 100

63 91.7 59.2 99.2

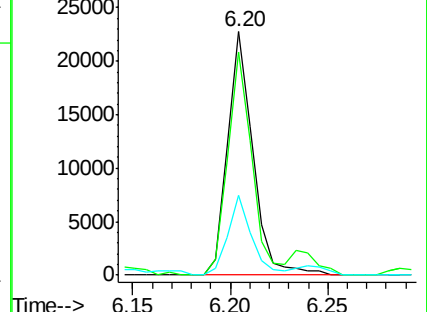
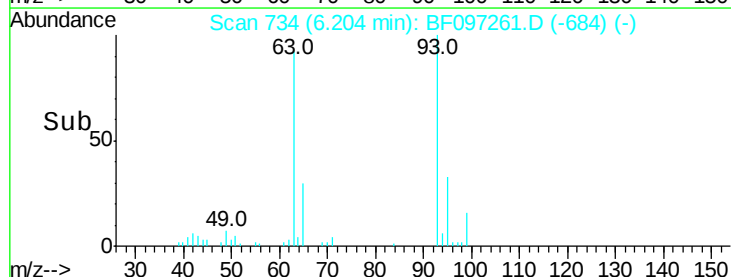
95 33.0 12.8 52.8

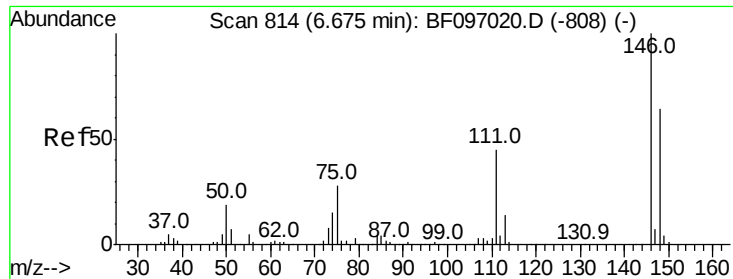


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#14

1,2-Dichlorobenzene

Concen: 3.926 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

Instrument :

BNA_F

ClientSampleId :

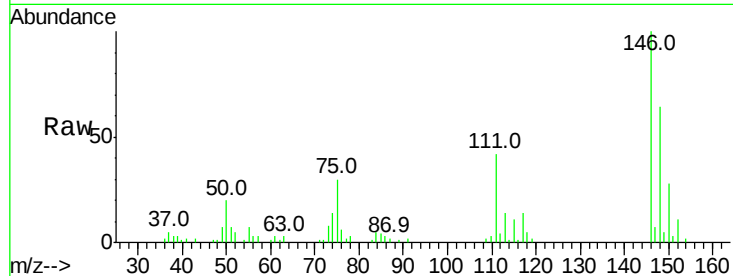
Tot Ion:146 Resp: 28544

Ion Ratio Lower Upper

146 100

148 64.0 50.4 75.6

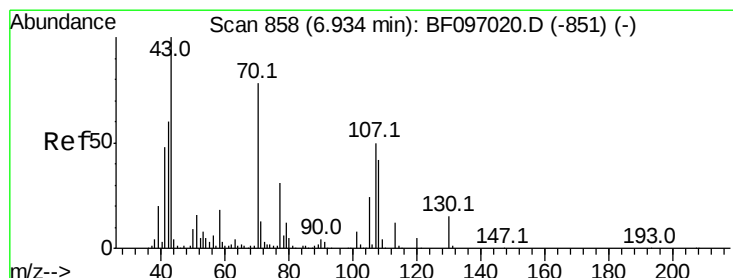
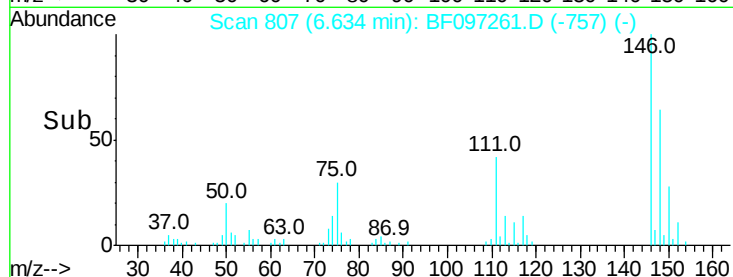
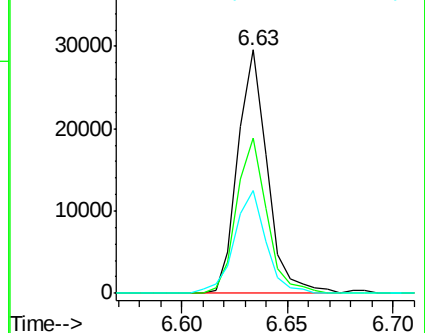
111 42.2 38.2 57.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.822 ng

RT: 7.03 min Scan# 874

Delta R.T. 0.12 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

Tgt Ion: 70 Resp: 15462

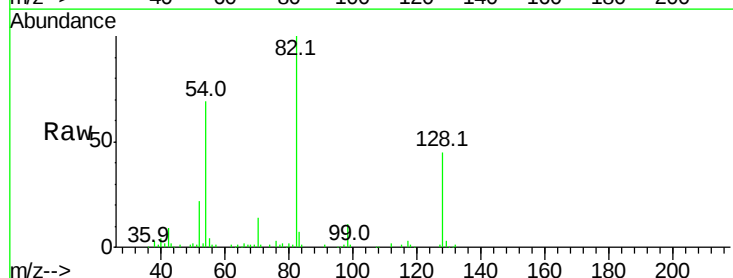
Ion Ratio Lower Upper

70 100

42 63.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

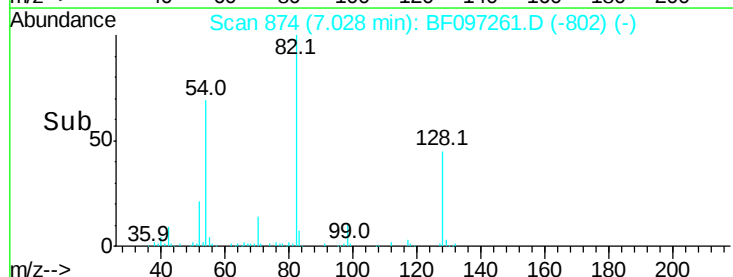
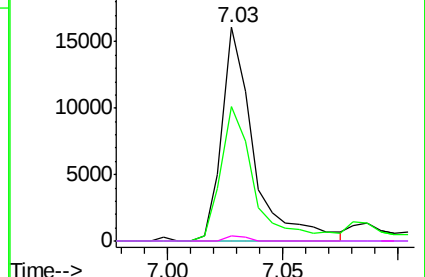


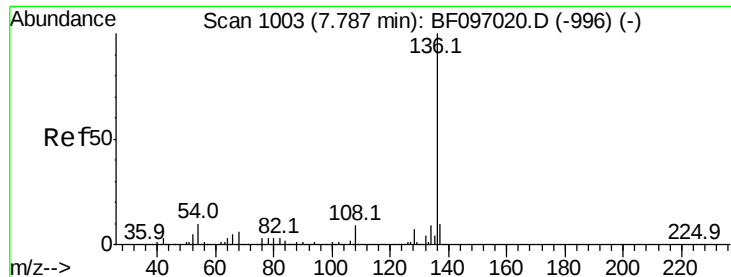
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

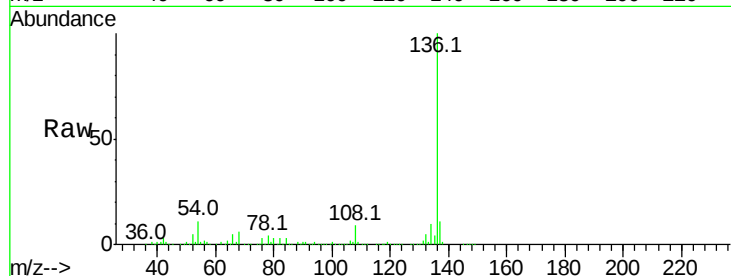




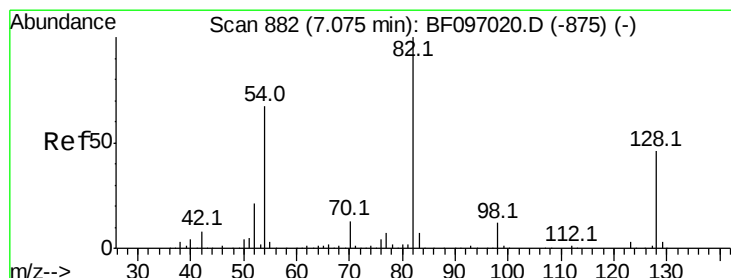
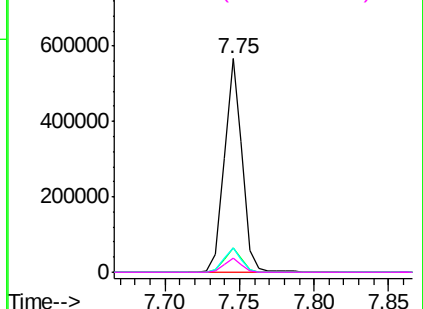
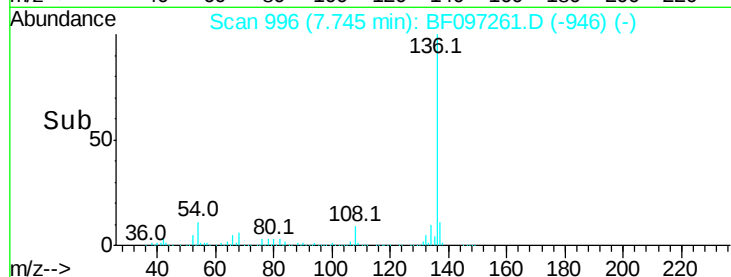
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF097261.D
Acq: 2 Aug 2017 8:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	475985
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.5	4.9	7.3#
68	6.4	4.1	6.1#

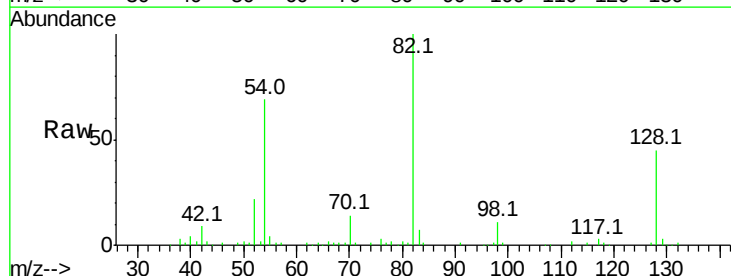


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

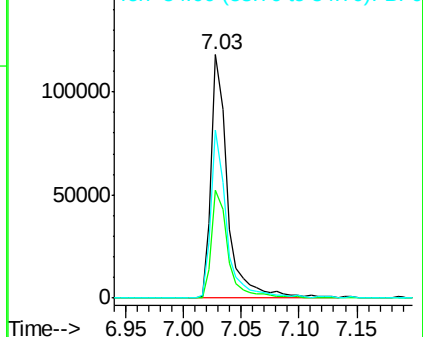
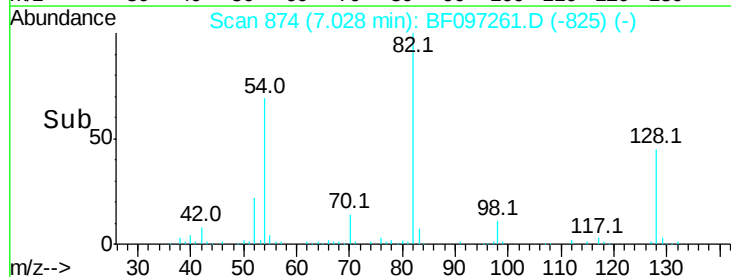


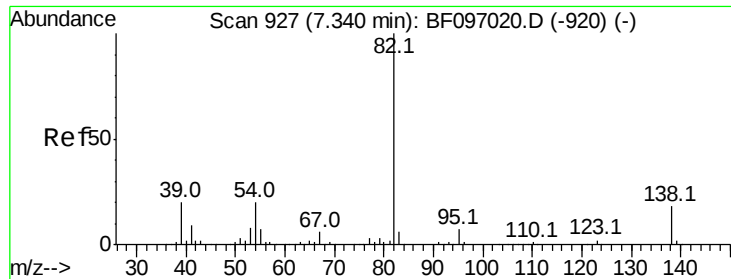
#23
Nitrobenzene-d5
Concen: 14.546 ng
RT: 7.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF097261.D
Acq: 2 Aug 2017 8:23

Tgt Ion:	82	Resp:	118019
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.0	51.0
54	68.9	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: 7.427 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.28 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

Instrument :

BNA_F

ClientSampleId :

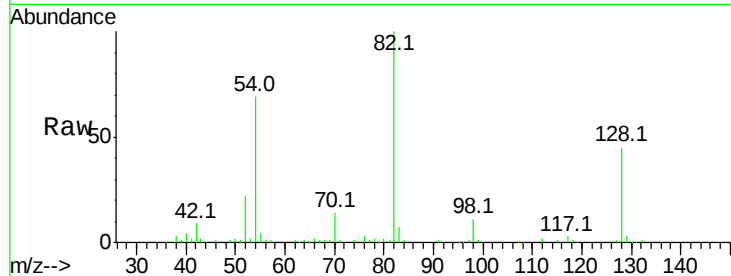
Tot Ion: 82 Resp: 118017

Ion Ratio Lower Upper

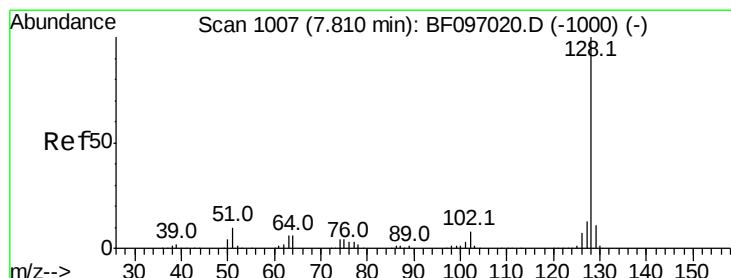
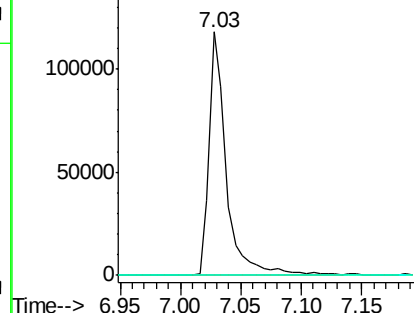
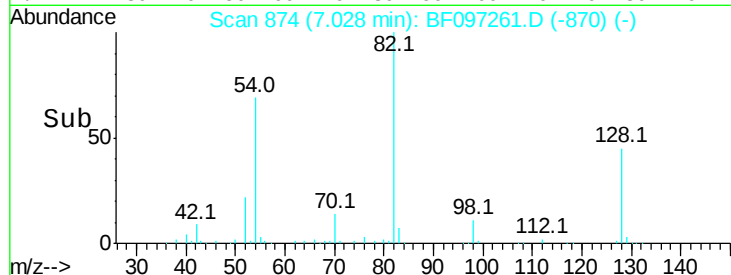
82 100

95 0.3 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 11.185 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

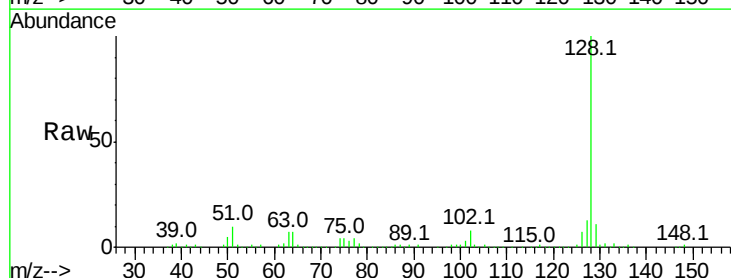
Tgt Ion:128 Resp: 250963

Ion Ratio Lower Upper

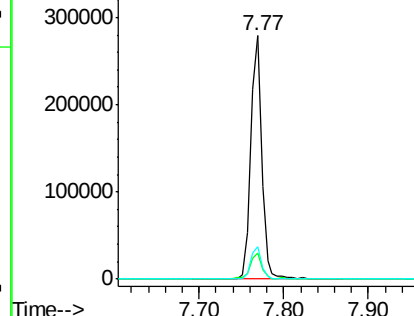
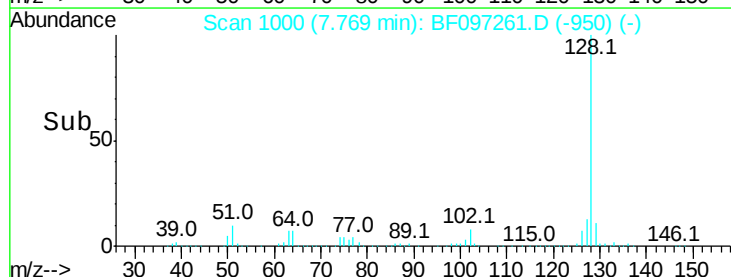
128 100

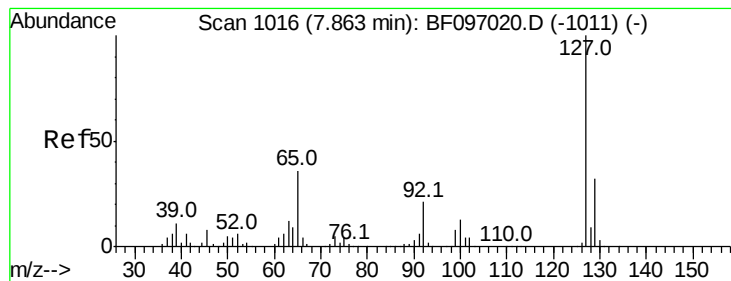
129 10.8 9.0 13.6

127 13.3 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





#33

4-Chloroaniline

Concen: 3.672 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 33524

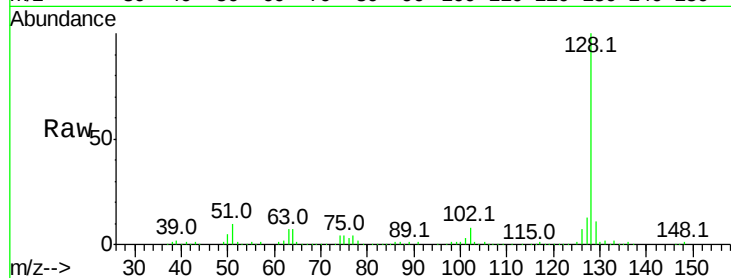
Ion Ratio Lower Upper

127 100

129 81.7 26.2 39.2#

65 4.7 27.8 41.8#

92 0.0 16.8 25.2#

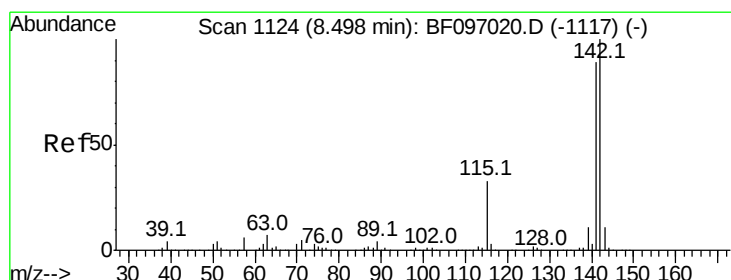
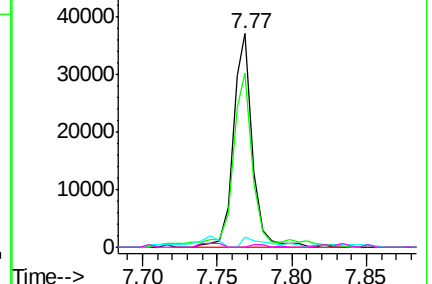
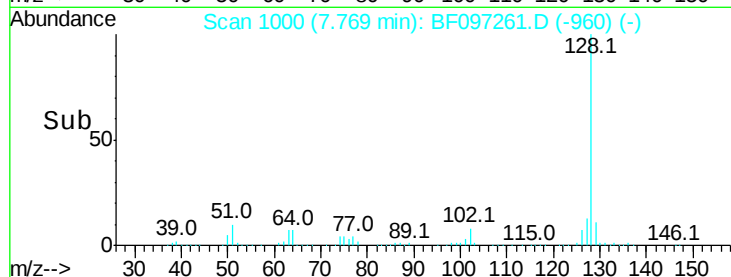


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#37

2-Methylnaphthalene

Concen: 9.854 ng

RT: 8.46 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

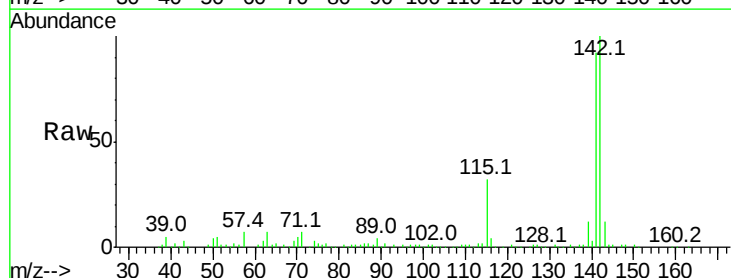
Tgt Ion:142 Resp: 139995

Ion Ratio Lower Upper

142 100

141 91.7 71.3 106.9

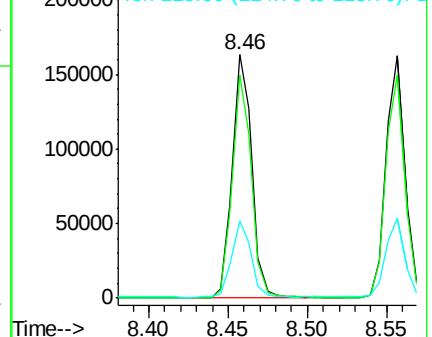
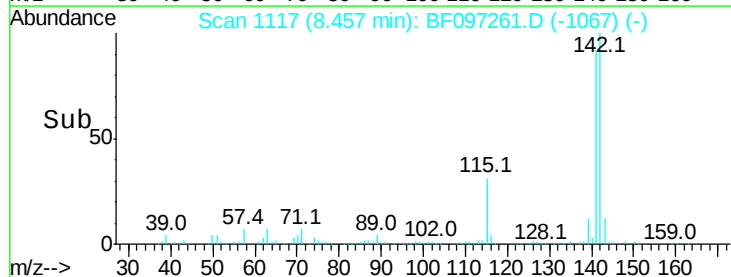
115 31.7 27.1 40.7

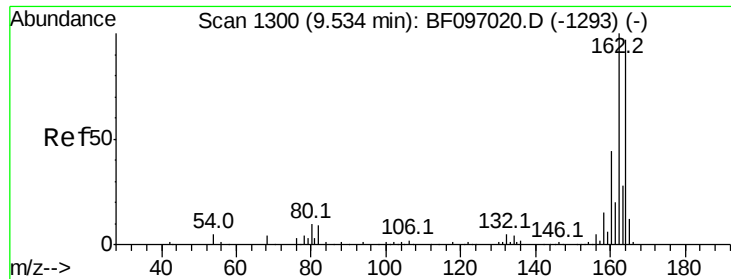


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

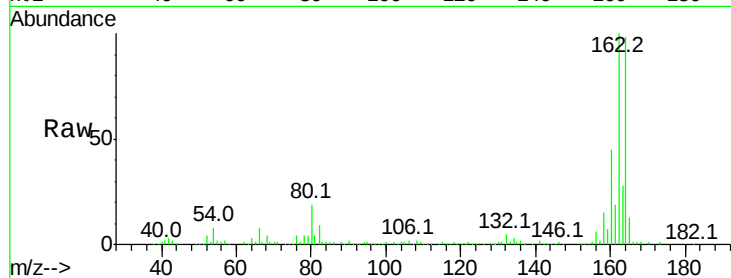




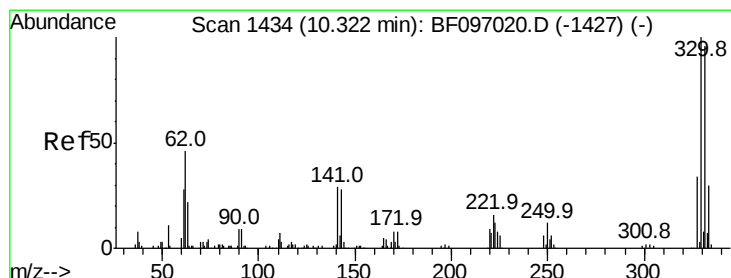
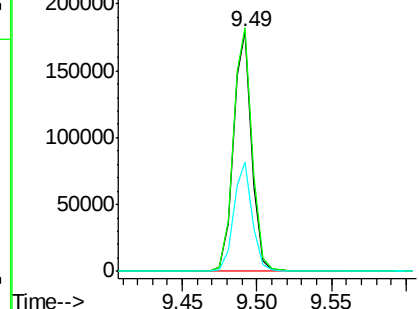
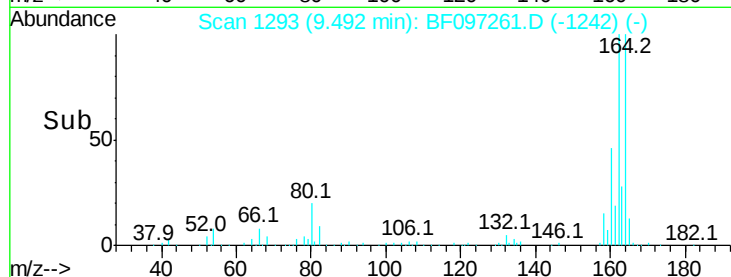
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: BF097261.D
 Acq: 2 Aug 2017 8:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 155389
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 45.7 36.2 54.2

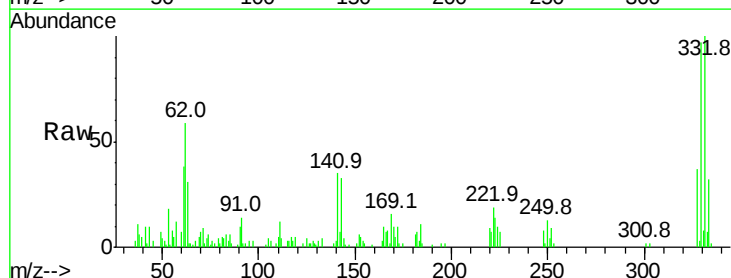


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

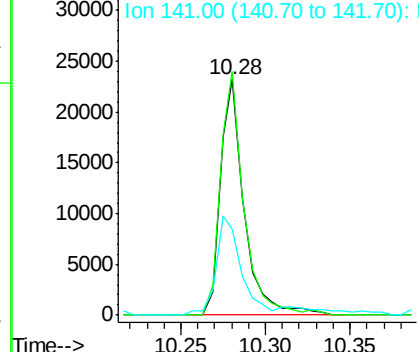
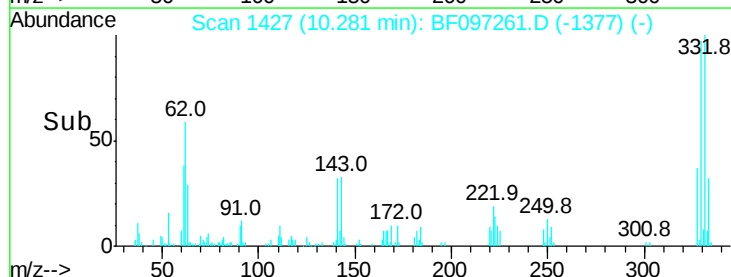


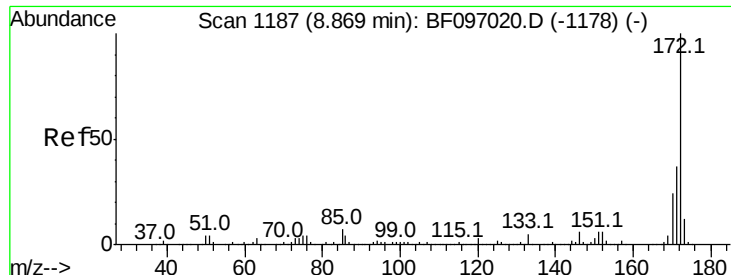
#41
 2,4,6-Tribromophenol
 Concen: 18.674 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF097261.D
 Acq: 2 Aug 2017 8:23

Tgt Ion:330 Resp: 22926
 Ion Ratio Lower Upper
 330 100
 332 102.2 76.6 115.0
 141 44.0 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

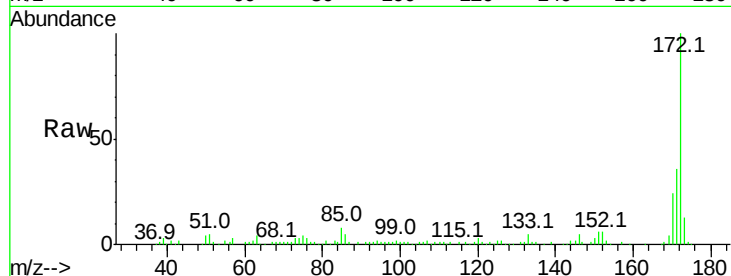




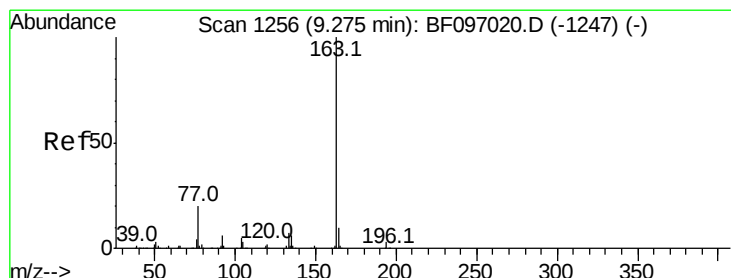
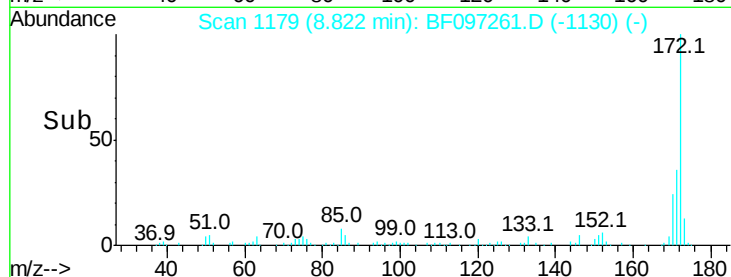
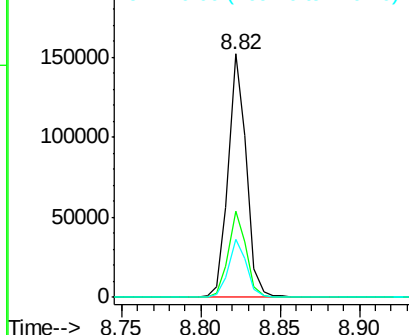
#44
2-Fluorobiphenyl
Concen: 13.164 ng
RT: 8.82 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF097261.D
Acq: 2 Aug 2017 8:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.0	19.8	29.8

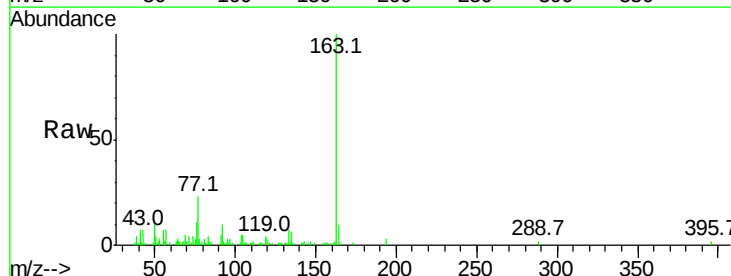


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

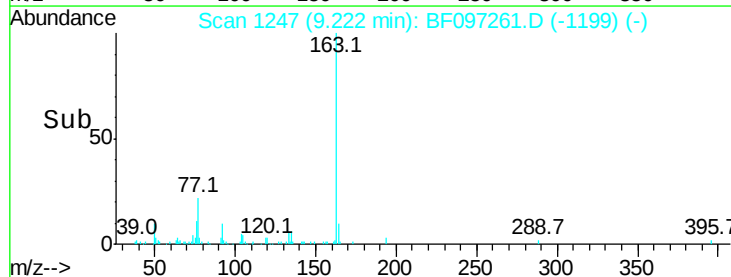
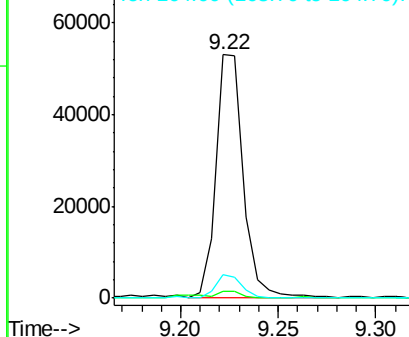


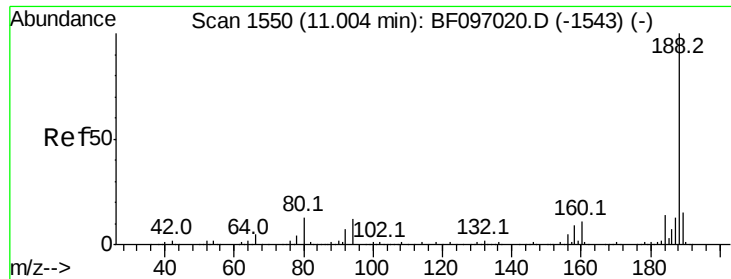
#49
Dimethylphthalate
Concen: 4.377 ng
RT: 9.22 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF097261.D
Acq: 2 Aug 2017 8:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	9.7	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

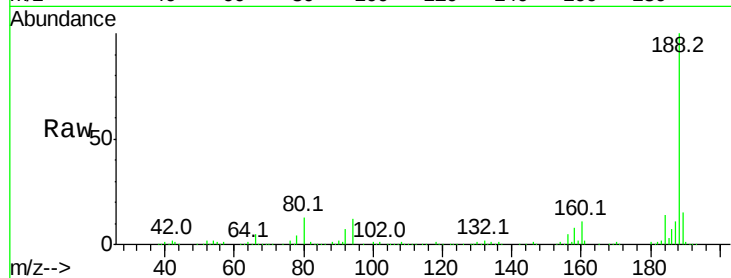




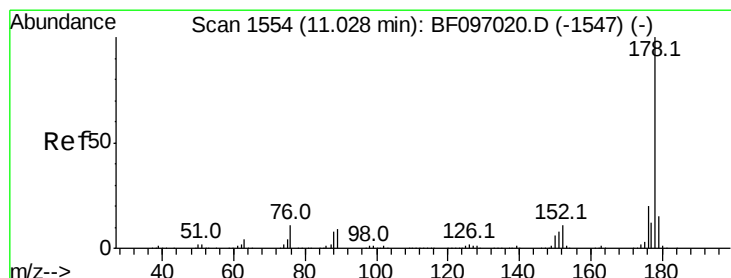
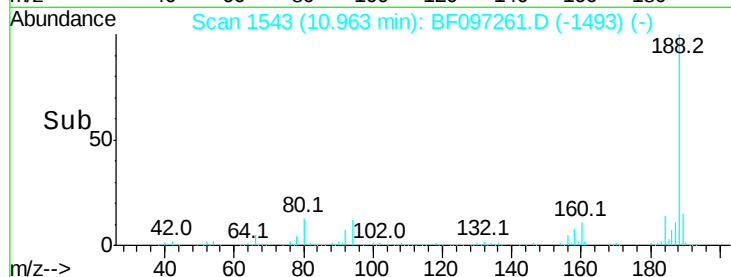
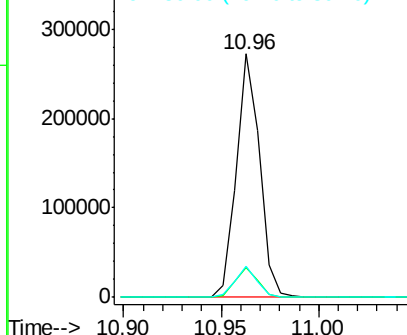
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF097261.D
Acq: 2 Aug 2017 8:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 225508
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.9 10.2 15.2

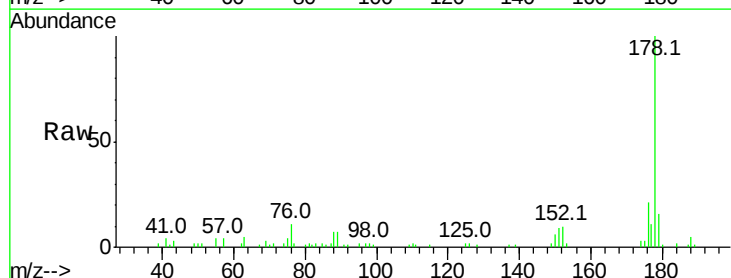


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

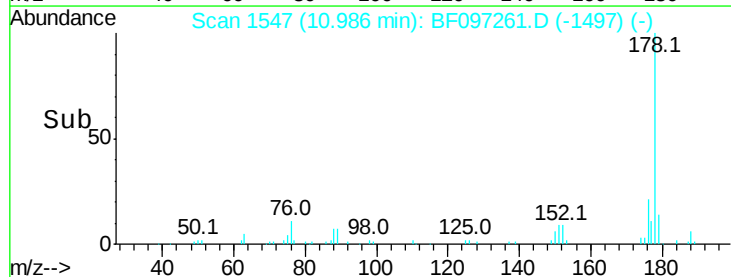
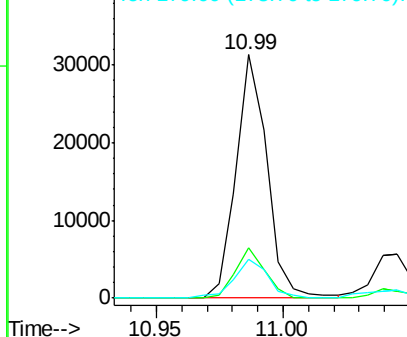


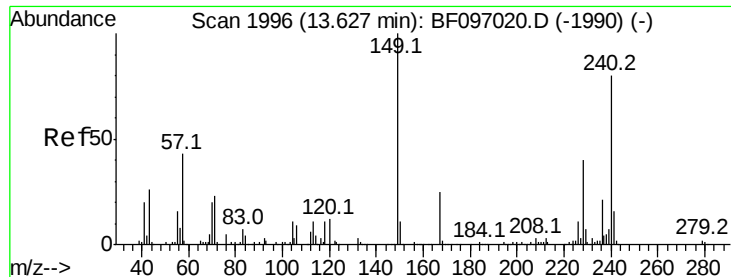
#70
Phenanthrene
Concen: 2.209 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF097261.D
Acq: 2 Aug 2017 8:23

Tgt Ion:178 Resp: 26689
Ion Ratio Lower Upper
178 100
176 20.6 16.2 24.4
179 16.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.59 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

Instrument :

BNA_F

ClientSampleId :

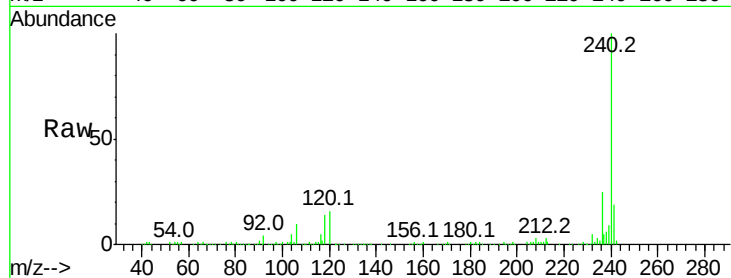
Tot Ion:240 Resp: 214548

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

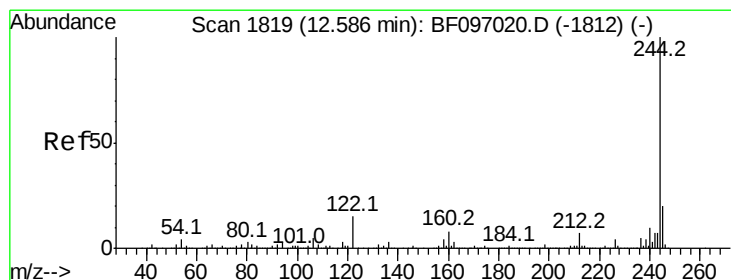
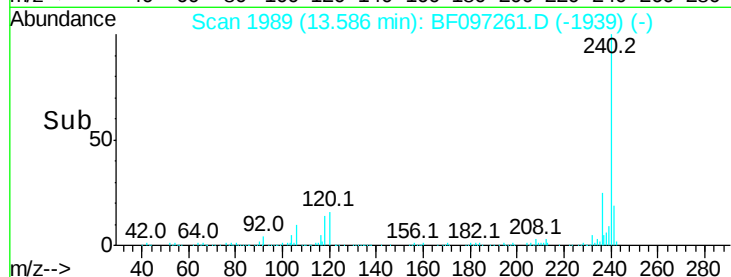
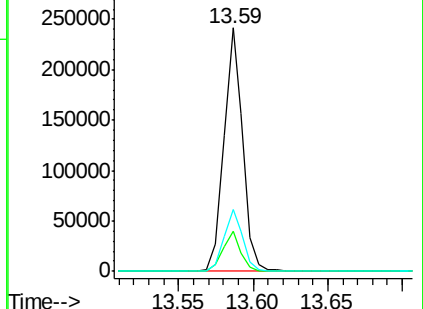
236 25.4 20.5 30.7



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: 5.683 ng

RT: 12.55 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF097261.D

Acq: 2 Aug 2017 8:23

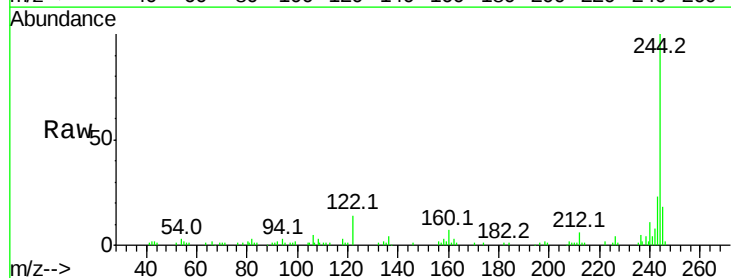
Tgt Ion:244 Resp: 59801

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

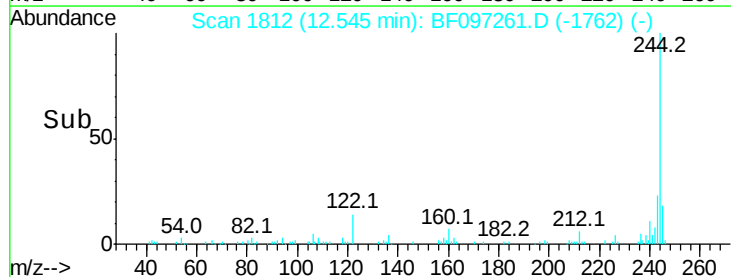
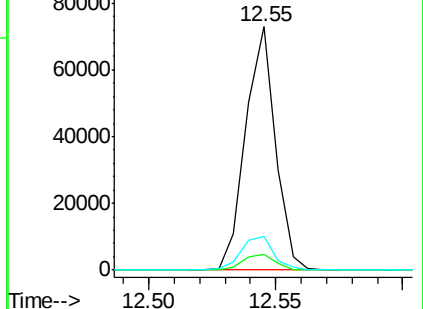
122 13.6 10.3 15.5

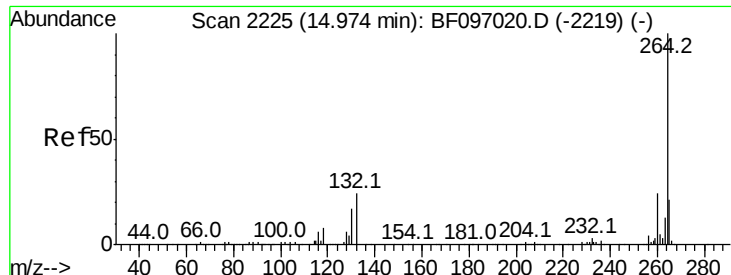


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

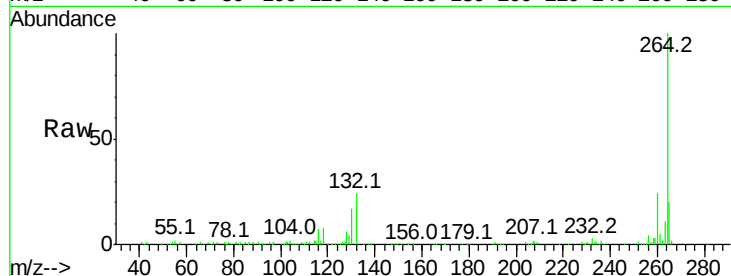




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.93 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BF097261.D
 Acq: 2 Aug 2017 8:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 149271
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 19.9 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

