

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097109.D
 Acq On : 27 Jul 2017 7:12
 Operator : SJ/JU
 Sample : I4443-08 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 08:24:09 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

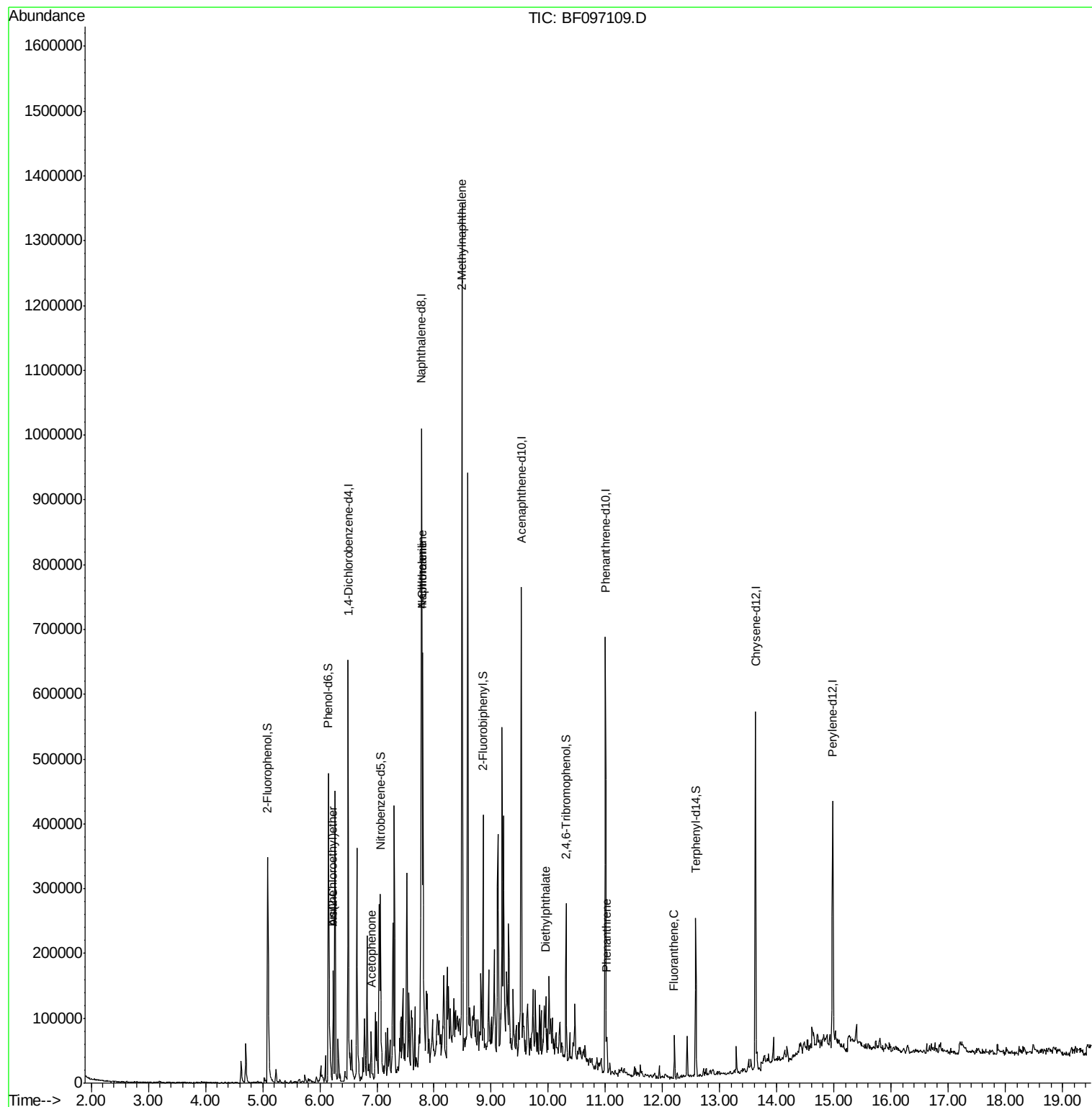
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	97372	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	367704	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	136259	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	221305	20.00	ng	0.00
75) Chrysene-d12	13.63	240	191368	20.00	ng	0.00
86) Perylene-d12	14.98	264	156231	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	126043	19.51	ng	0.00
7) Phenol-d6	6.15	99	161146	21.85	ng	-0.02
23) Nitrobenzene-d5	7.06	82	82035	13.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	20429	18.98	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	103882	12.94	ng	-0.01
78) Terphenyl-d14	12.58	244	64646	6.89	ng	0.00
Target Compounds						
6) Aniline	6.23	93	45983	4.955	ng	# 52
11) bis(2-Chloroethyl)ether	6.23	93	45983	6.647	ng	91
22) Acetophenone	6.90	105	23021	2.607	ng	# 52
31) Naphthalene	7.80	128	259327	14.961	ng	100
33) 4-Chloroaniline	7.80	127	36140	5.124	ng	# 33
37) 2-Methylnaphthalene	8.49	142	325588	29.668	ng	99
59) Diethylphthalate	9.96	149	22956	2.418	ng	100
70) Phenanthrene	11.02	178	29158	2.459	ng	99
74) Fluoranthene	12.20	202	25899	2.230	ng	96

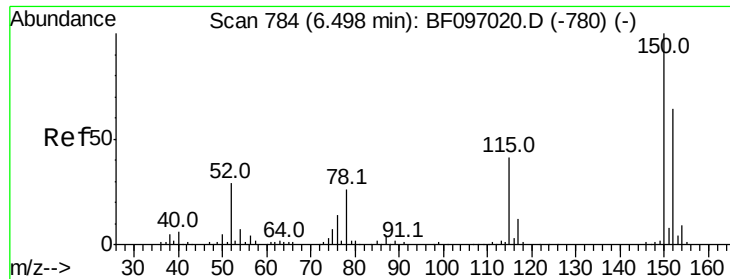
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampleId :

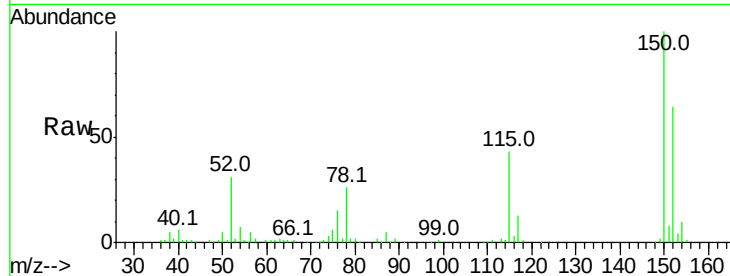
Tot Ion:152 Resp: 97372

Ion Ratio Lower Upper

152 100

150 156.5 126.2 189.2

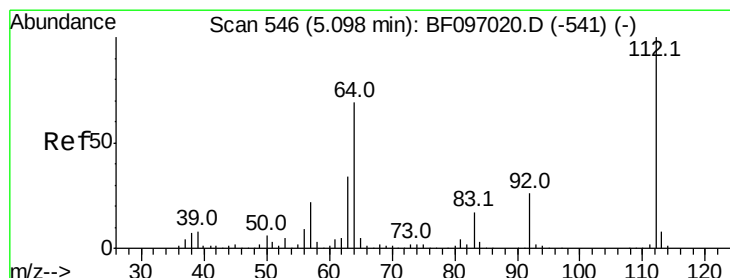
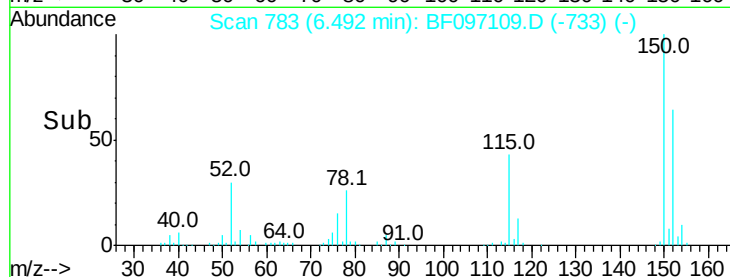
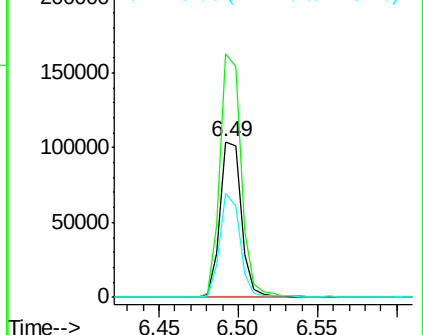
115 67.3 52.2 78.2



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: 19.514 ng

RT: 5.09 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

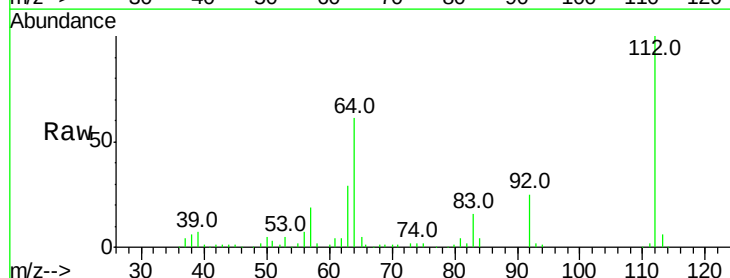
Tgt Ion:112 Resp: 126043

Ion Ratio Lower Upper

112 100

64 60.7 46.0 69.0

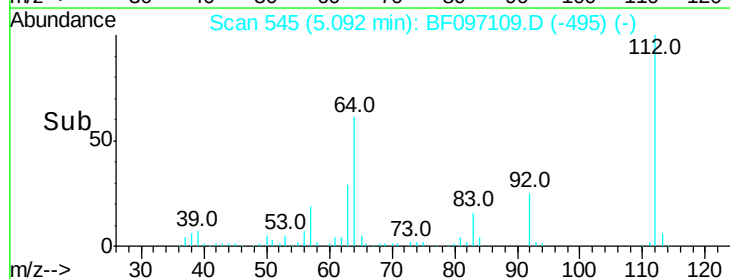
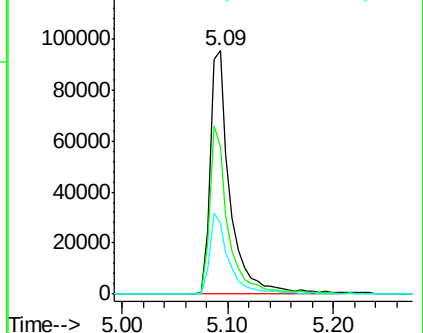
63 29.3 23.4 35.0

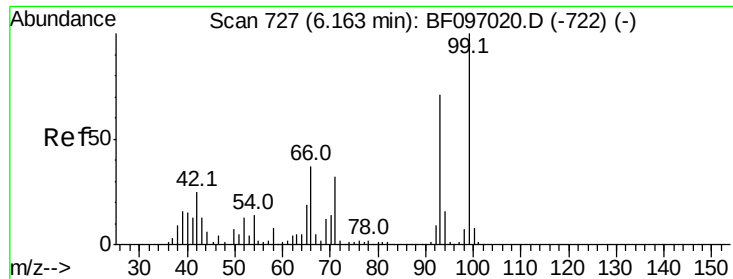


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 4.955 ng

RT: 6.23 min Scan# 739

Delta R.T. 0.07 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampleId :

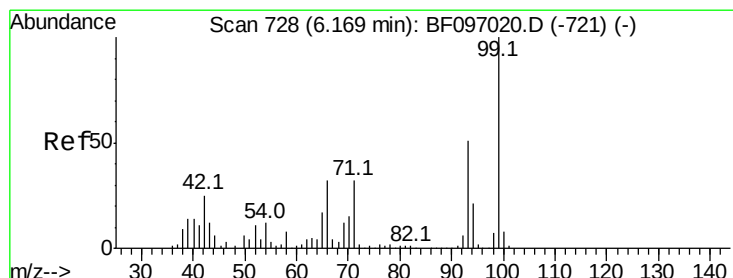
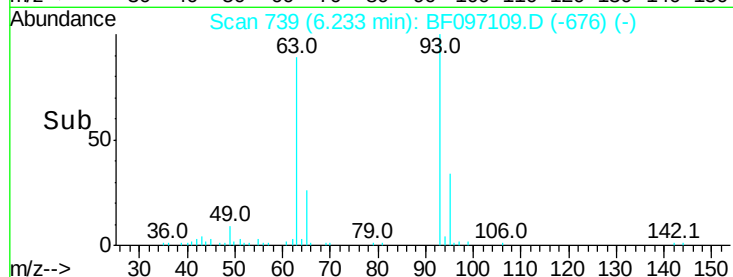
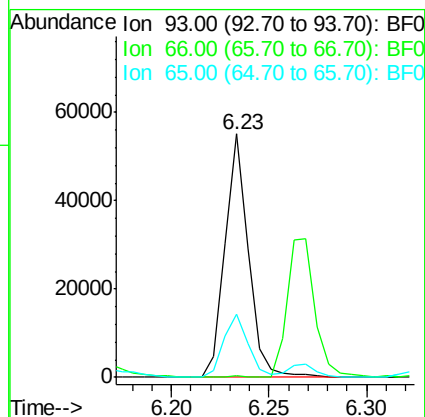
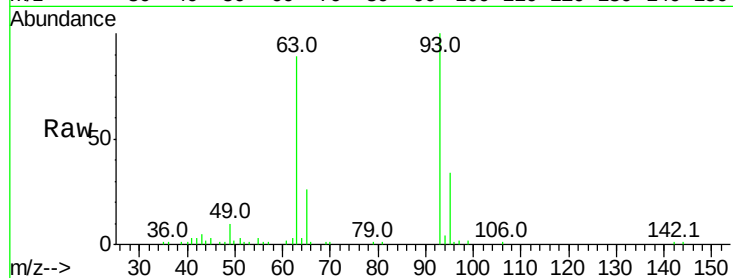
Tot Ion: 93 Resp: 45983

Ion Ratio Lower Upper

93 100

66 0.6 32.9 49.3#

65 25.8 16.0 24.0#



#7

Phenol-d6

Concen: 21.853 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

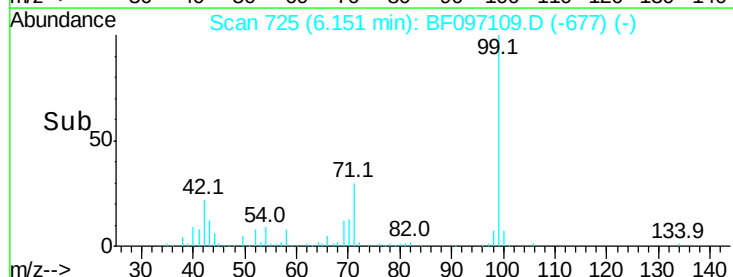
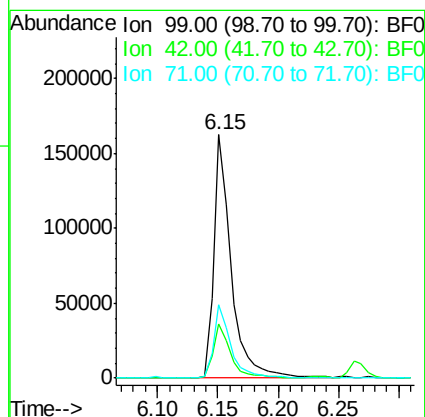
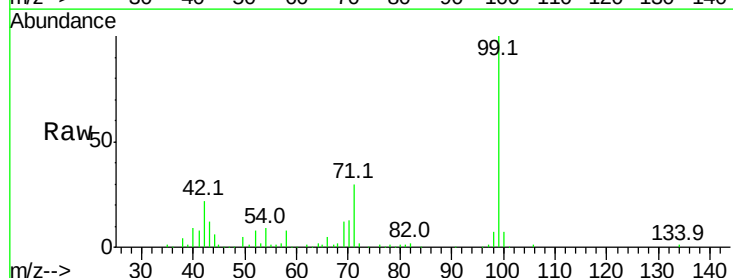
Tgt Ion: 99 Resp: 161146

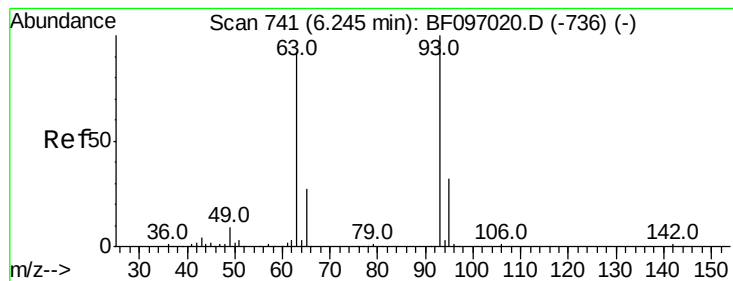
Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

71 30.3 24.5 36.7





#11

bis(2-Chloroethyl)ether

Concen: 6.647 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampleId :

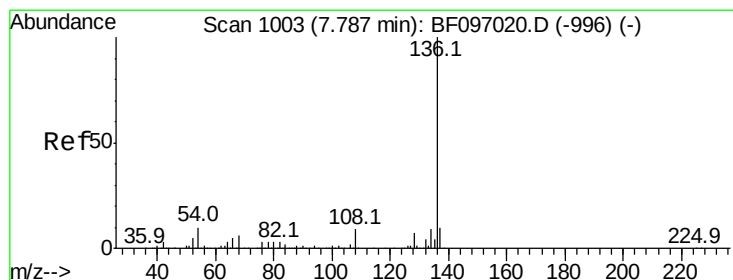
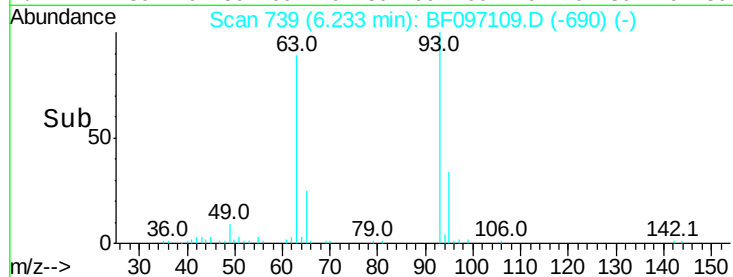
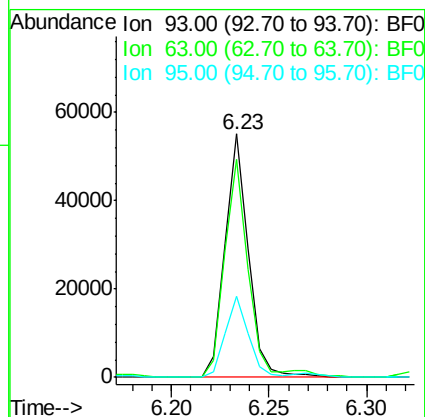
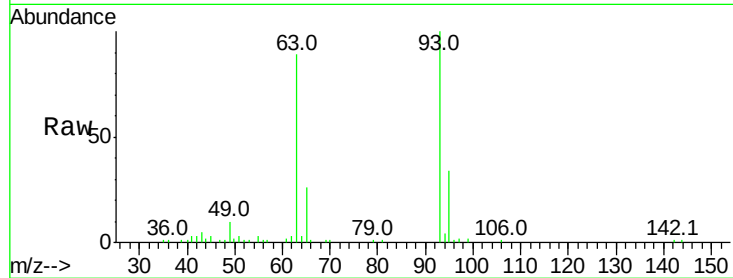
Tot Ion: 93 Resp: 45983

Ion Ratio Lower Upper

93 100

63 89.3 59.2 99.2

95 33.5 12.8 52.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Tgt Ion:136 Resp: 367704

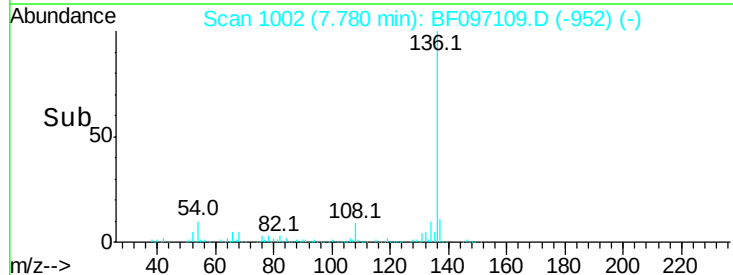
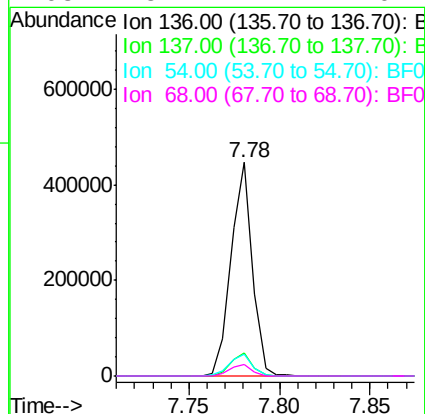
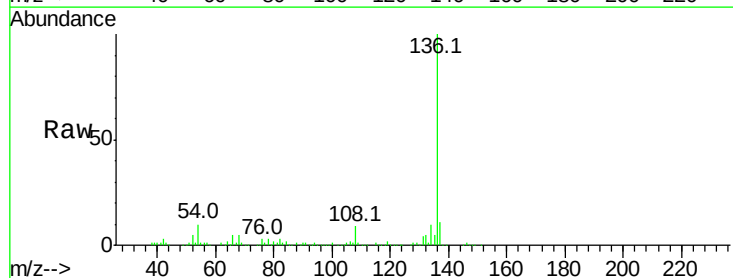
Ion Ratio Lower Upper

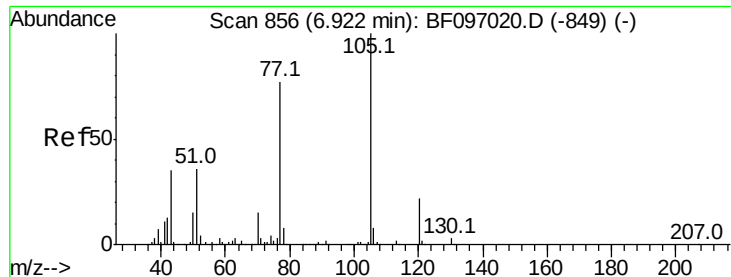
136 100

137 10.7 8.5 12.7

54 10.2 4.9 7.3#

68 5.4 4.1 6.1





#22

Acetophenone

Concen: 2.607 ng

RT: 6.90 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 23021

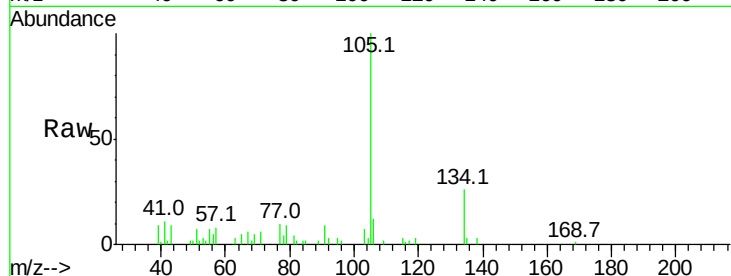
Ion Ratio Lower Upper

105 100

71 5.7 2.8 4.2#

51 6.6 30.7 46.1#

120 0.0 17.4 26.0#

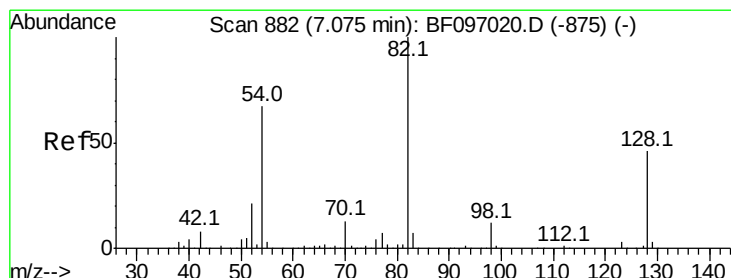
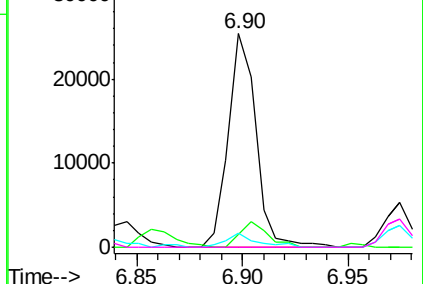
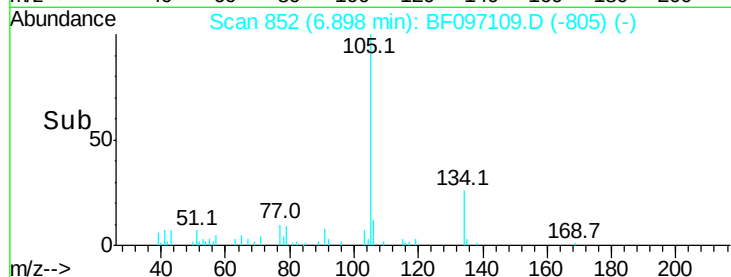


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 13.088 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

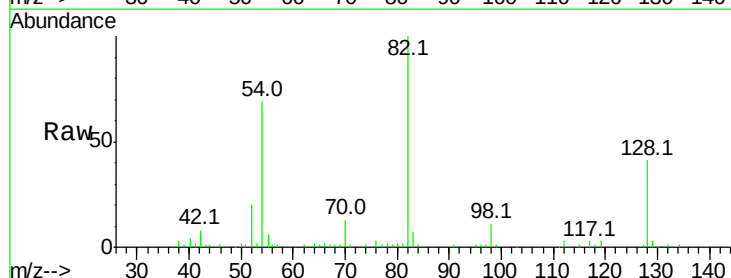
Tgt Ion: 82 Resp: 82035

Ion Ratio Lower Upper

82 100

128 41.2 34.0 51.0

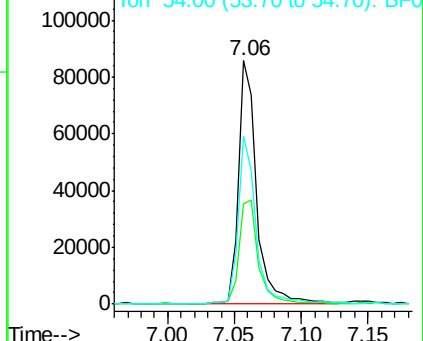
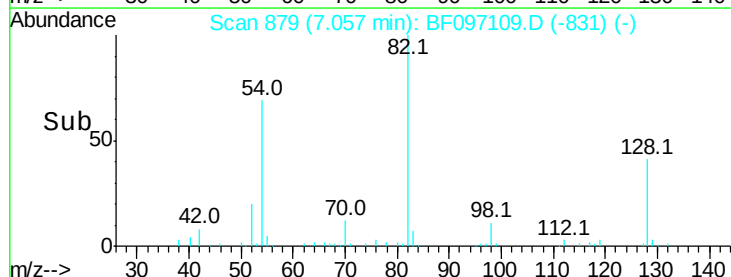
54 69.1 42.2 63.2#

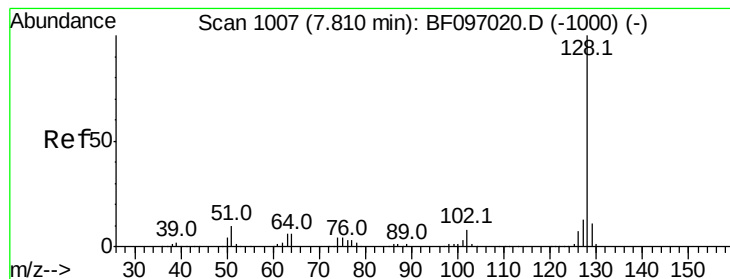


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 14.961 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampleId :

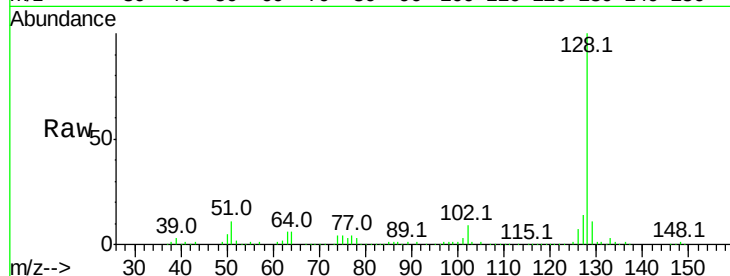
Tot Ion:128 Resp: 259327

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

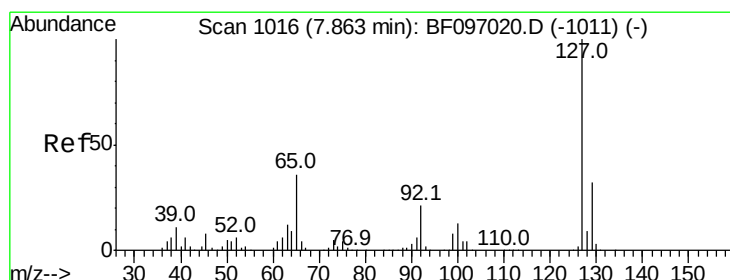
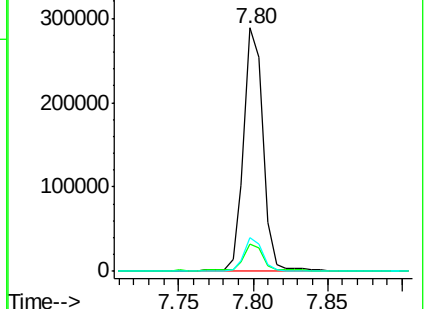
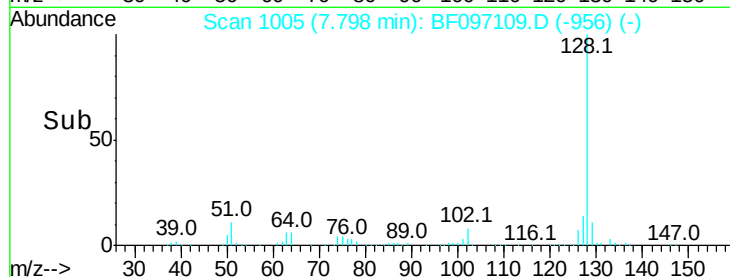
127 13.7 10.8 16.2



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: 5.124 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.06 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Tgt Ion:127 Resp: 36140

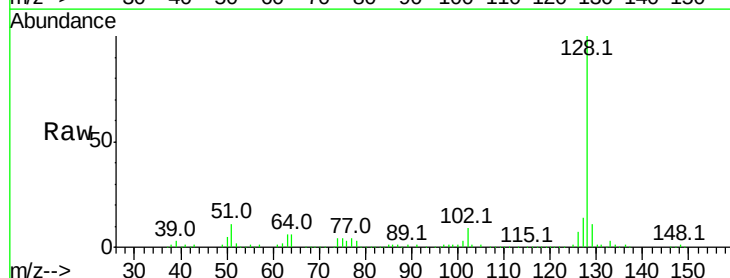
Ion Ratio Lower Upper

127 100

129 83.2 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

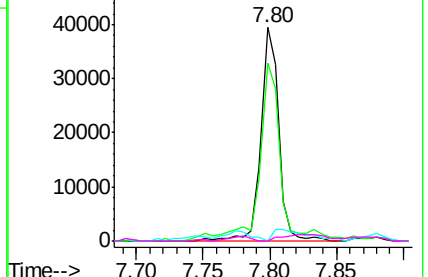
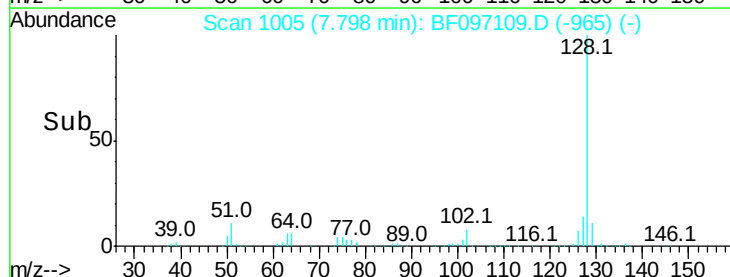


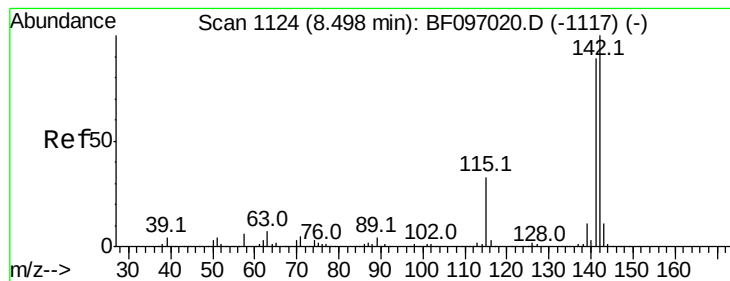
Abundance Ion 127.00 (126.70 to 127.70): E

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: 29.668 ng

RT: 8.49 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampled :

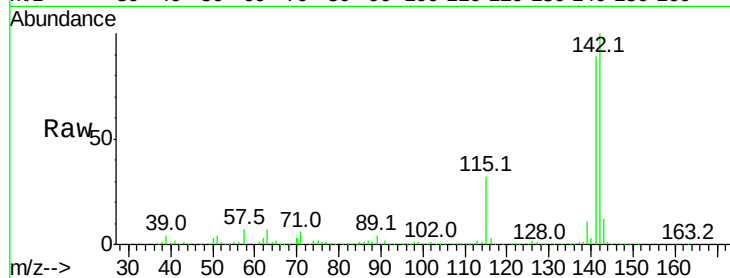
Tot Ion:142 Resp: 325588

Ion Ratio Lower Upper

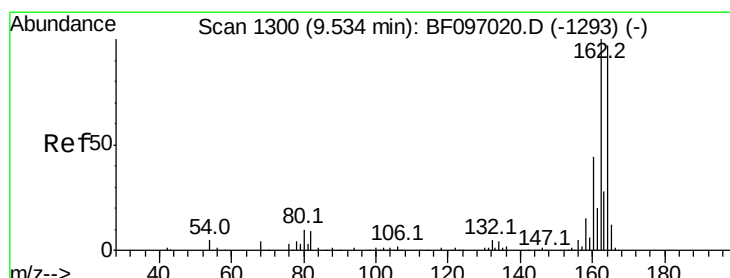
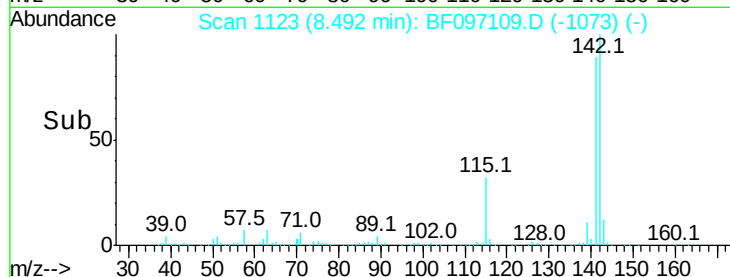
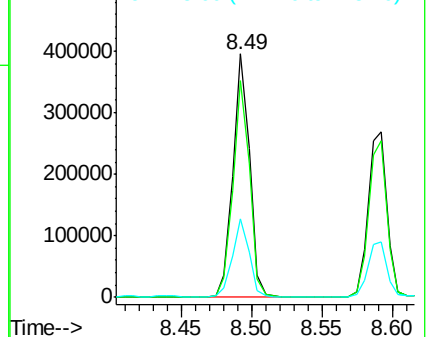
142 100

141 89.1 71.3 106.9

115 32.2 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: BF097109.D

Acq: 27 Jul 2017 7:12

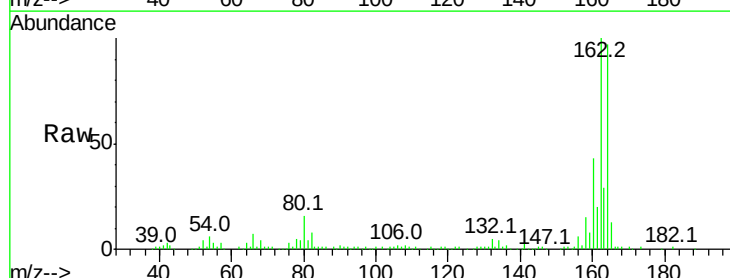
Tgt Ion:164 Resp: 136259

Ion Ratio Lower Upper

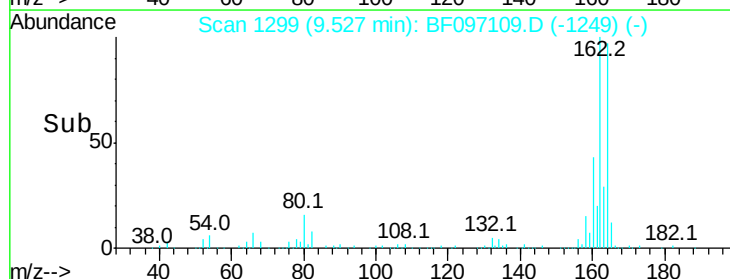
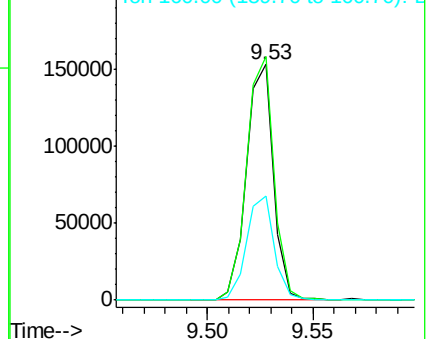
164 100

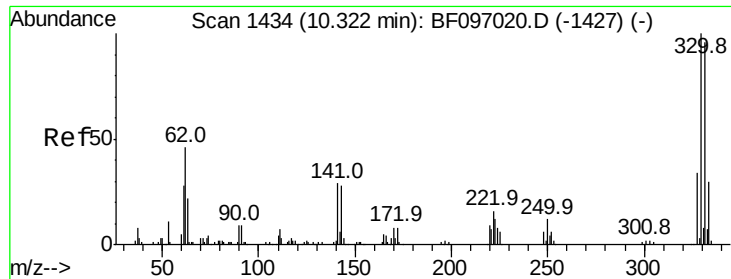
162 103.3 82.6 123.8

160 44.1 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

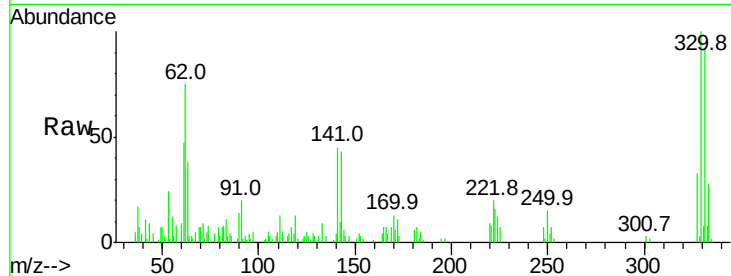




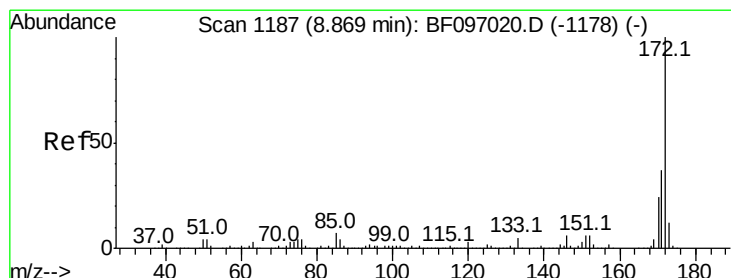
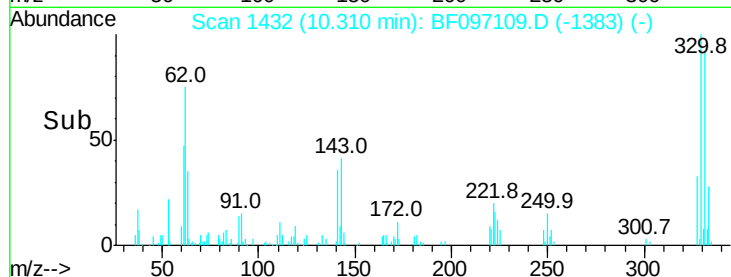
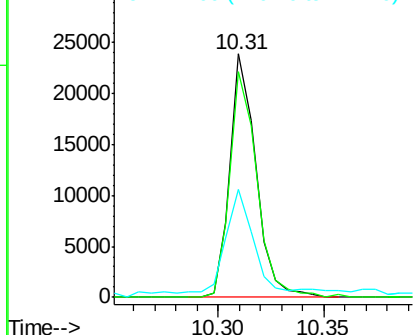
#41
 2,4,6-Tribromophenol
 Concen: 18.976 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097109.D
 Acq: 27 Jul 2017 7:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 20429
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 46.4 31.4 47.2

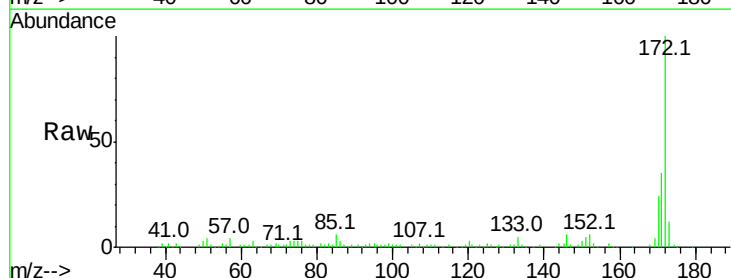


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

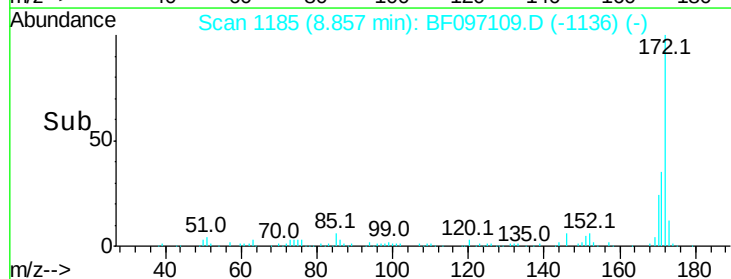
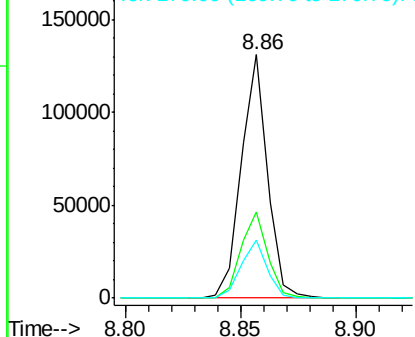


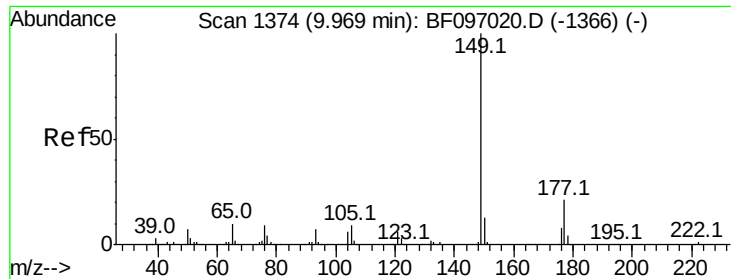
#44
 2-Fluorobiphenyl
 Concen: 12.938 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097109.D
 Acq: 27 Jul 2017 7:12

Tgt Ion:172 Resp: 103882
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.6 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

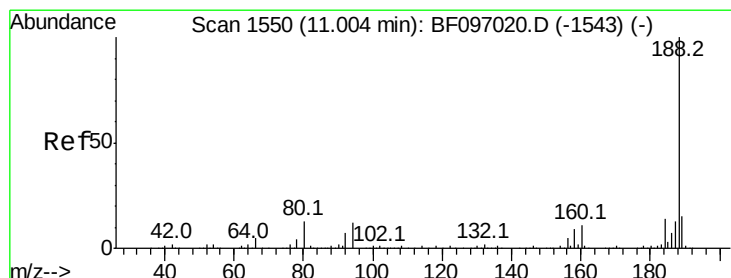
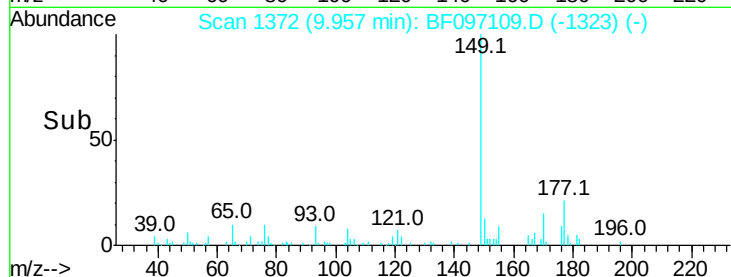
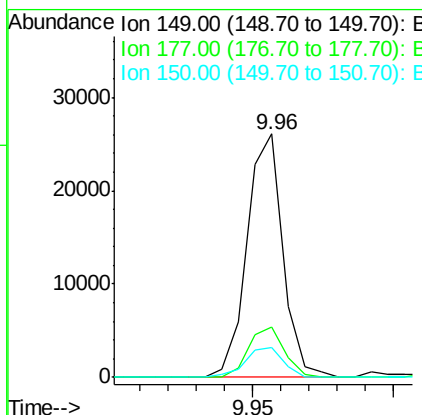
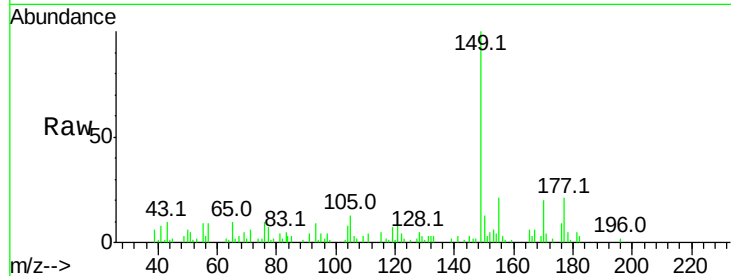




#59
 Diethylphthalate
 Concen: 2.418 ng
 RT: 9.96 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF097109.D
 Acq: 27 Jul 2017 7:12

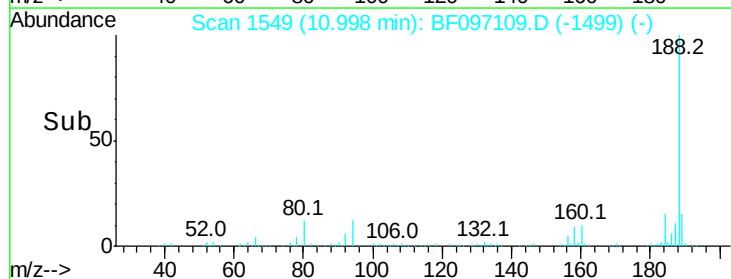
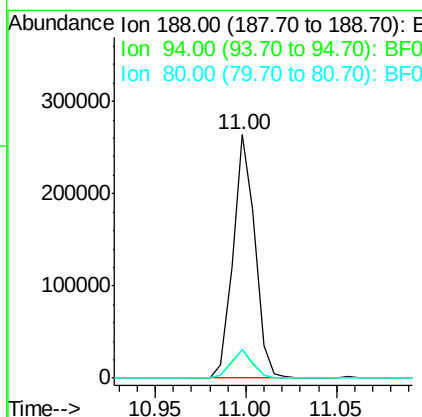
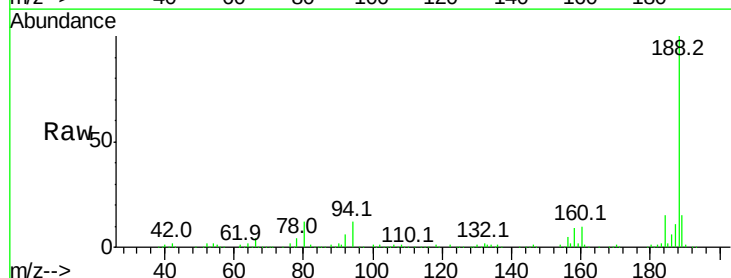
Instrument :
 BNA_F
 ClientSampleId :

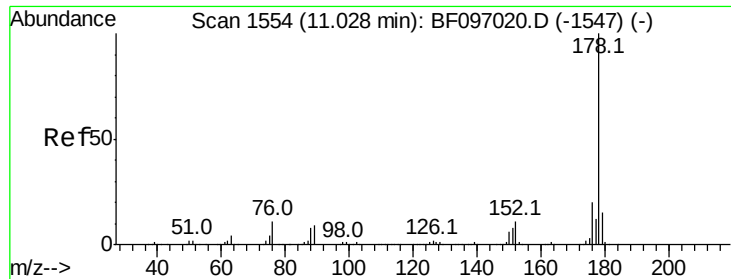
Tot Ion:	149	Resp:	22956
Ion	Ratio	Lower	Upper
149	100		
177	20.7	16.7	25.1
150	12.5	10.2	15.2



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097109.D
 Acq: 27 Jul 2017 7:12

Tgt Ion:	188	Resp:	221305
Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	11.6	10.2	15.2





#70

Phenanthrene

Concen: 2.459 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampleId :

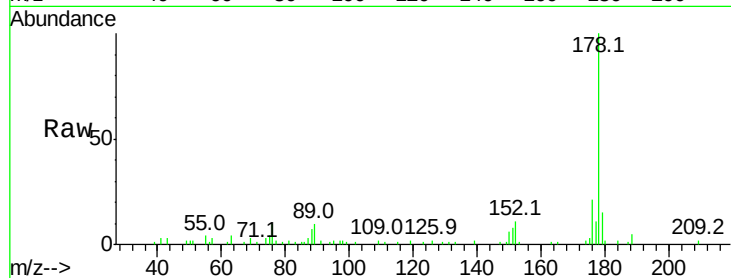
Tot Ion:178 Resp: 29158

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

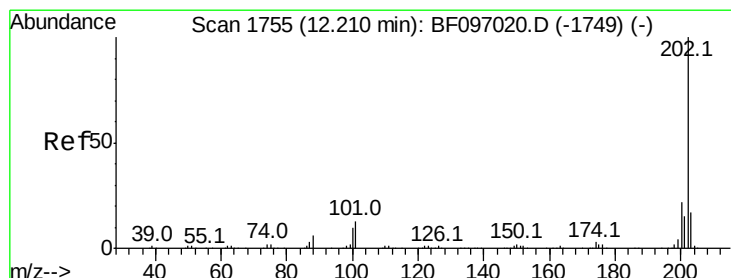
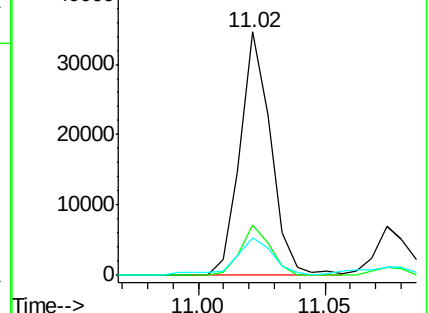
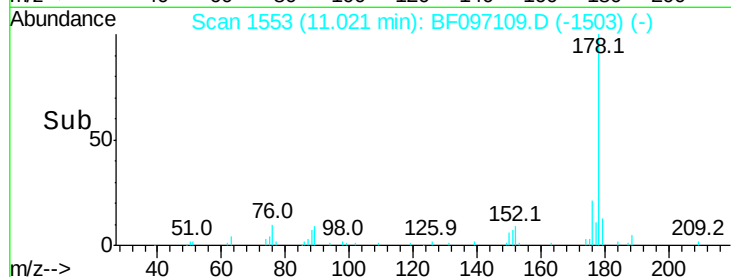
179 15.4 12.6 19.0



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



#74

Fluoranthene

Concen: 2.230 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

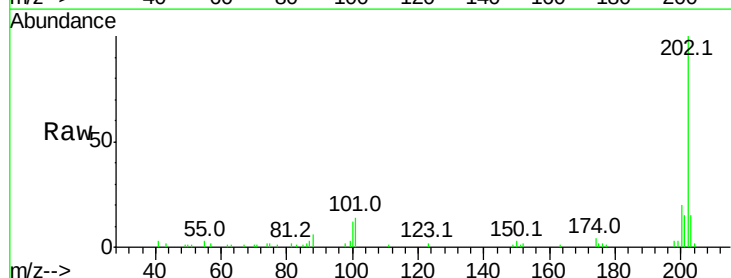
Tgt Ion:202 Resp: 25899

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

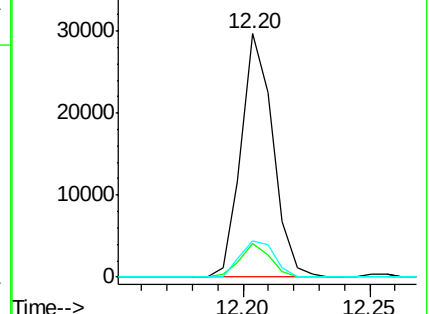
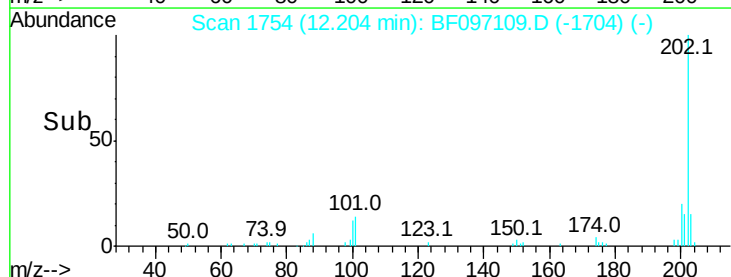
203 15.0 0.0 38.1

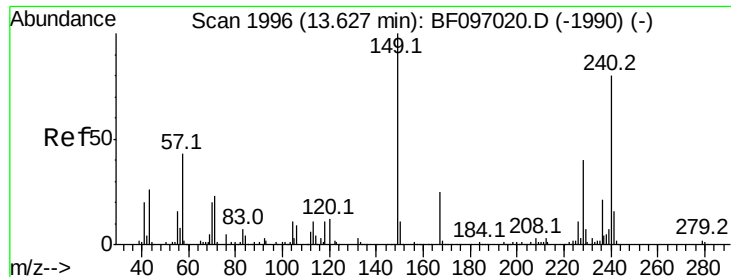


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

Instrument :

BNA_F

ClientSampleId :

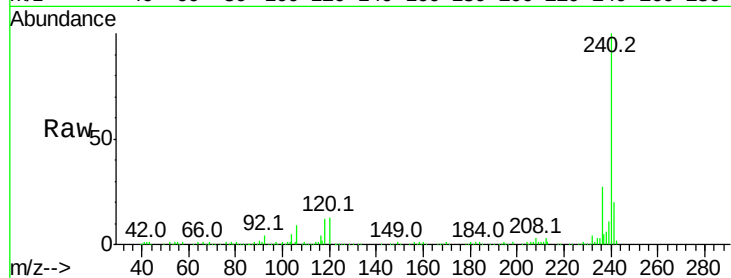
Tot Ion:240 Resp: 191368

Ion Ratio Lower Upper

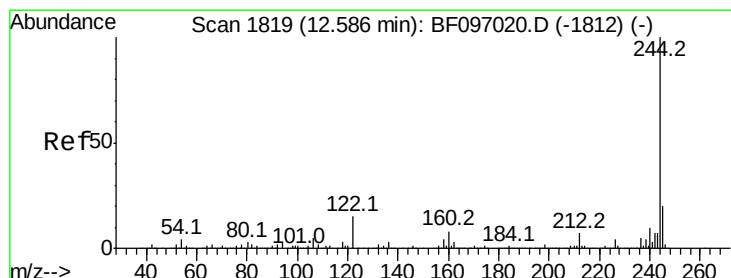
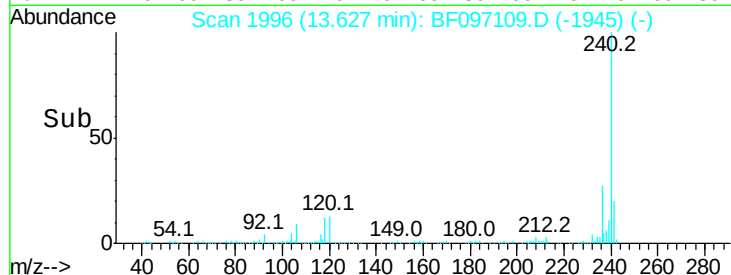
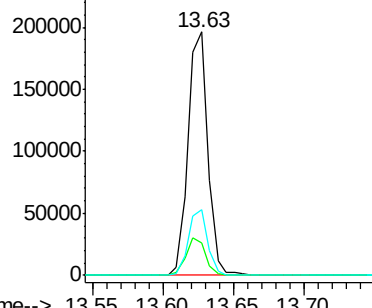
240 100

120 13.4 5.8 8.8#

236 27.0 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: 6.887 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097109.D

Acq: 27 Jul 2017 7:12

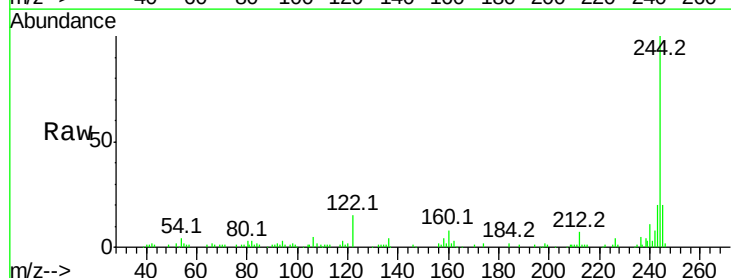
Tgt Ion:244 Resp: 64646

Ion Ratio Lower Upper

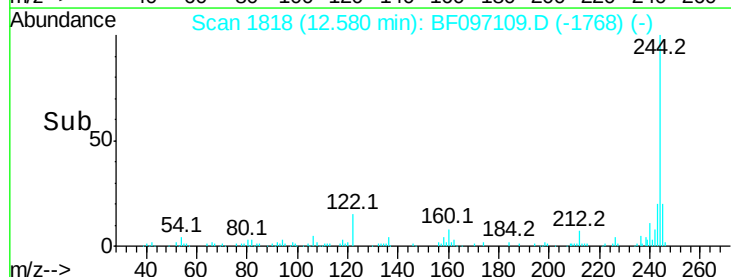
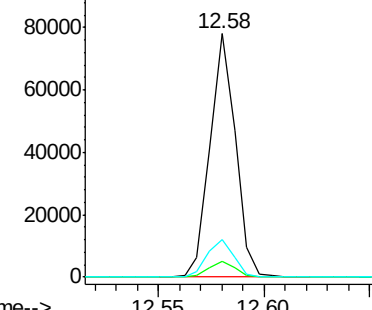
244 100

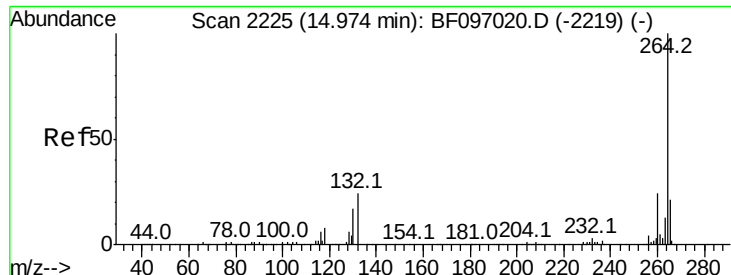
212 6.6 6.0 9.0

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

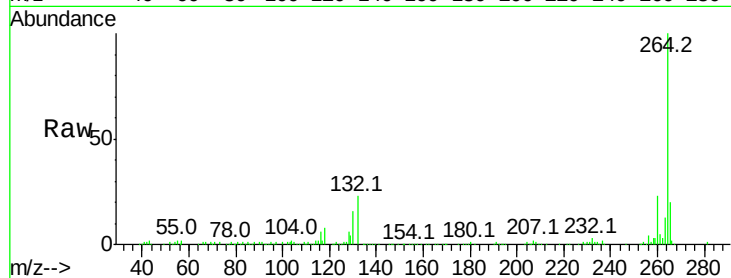




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.98 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF097109.D
Acq: 27 Jul 2017 7:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	20.5	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

