

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF08185.D
 Acq On : 31 Aug 2017 6:07
 Operator : SJ/JU
 Sample : I4979-03DL 100X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 08:51:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	120883	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	431206	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	161327	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	254216	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	230072	20.00	ng	-0.02
86) Perylene-d12	15.29	264	161142	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	9383	1.18	ng	-0.02
7) Phenol-d6	6.36	99	12495	1.16	ng	-0.02
23) Nitrobenzene-d5	7.29	82	8201	1.03	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	1067	0.76	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	12152	1.11	ng	-0.03
78) Terphenyl-d14	12.82	244	7444	0.67	ng	-0.03

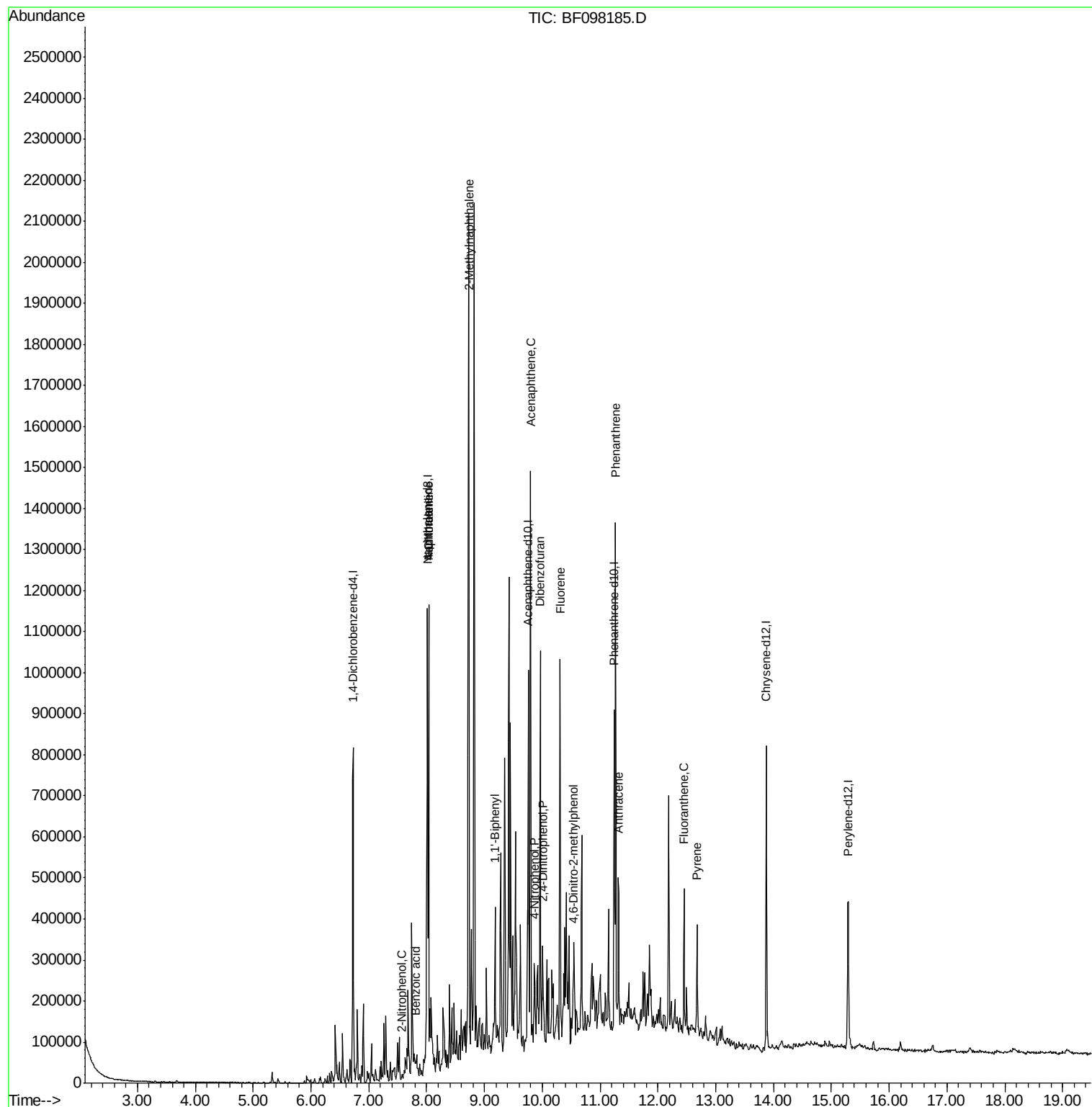
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	7.56	139	336	5.351	ng	# 40
31) Naphthalene	8.03	128	420909	18.802	ng	99
32) Benzoic acid	7.80	122	627	6.513	ng	# 1
33) 4-Chloroaniline	8.03	127	56598	5.995	ng	# 32
37) 2-Methylnaphthalene	8.73	142	559530	40.768	ng	99
45) 1,1'-Biphenyl	9.19	154	91629	6.228	ng	96
51) Acenaphthene	9.80	154	290080	26.945	ng	99
53) 2,4-Dinitrophenol	10.00	184	311	10.384	ng	# 1
54) Dibenzofuran	9.97	168	295013	20.447	ng	95
55) 4-Nitrophenol	9.86	139	5502	2.271	ng	89
57) Fluorene	10.31	166	242252	21.716	ng	96
64) 4,6-Dinitro-2-methylphenol	10.53	198	243	8.488	ng	# 1
70) Phenanthrene	11.27	178	395620	29.205	ng	100
71) Anthracene	11.32	178	135282	9.846	ng	98
74) Fluoranthene	12.45	202	123791	8.755	ng	99
77) Pyrene	12.68	202	97874	5.201	ng	97

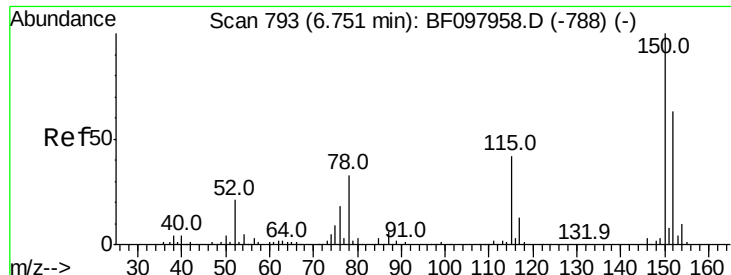
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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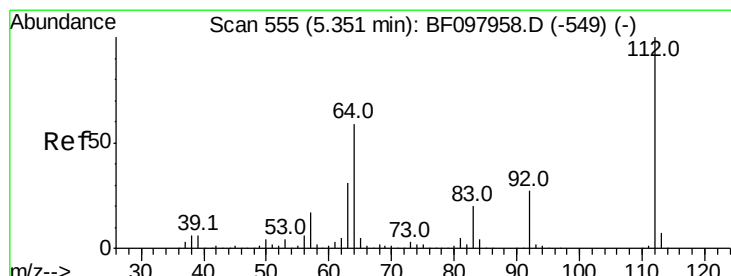
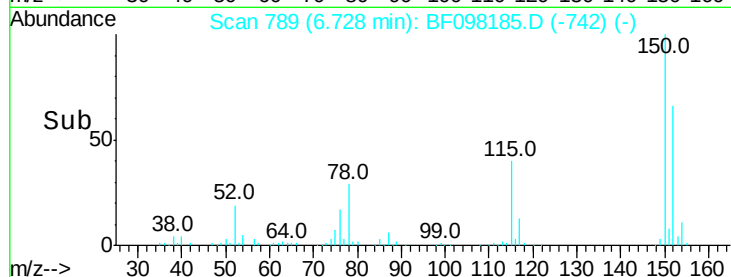
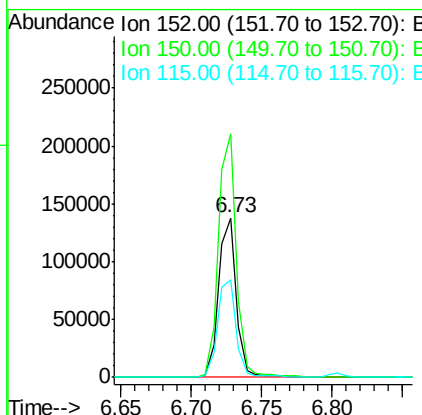
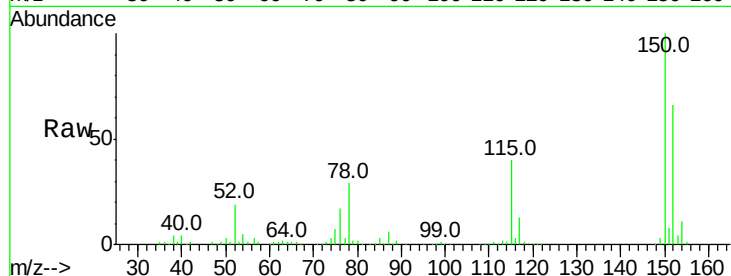


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Instrument :
BNA_F
ClientSampleId :

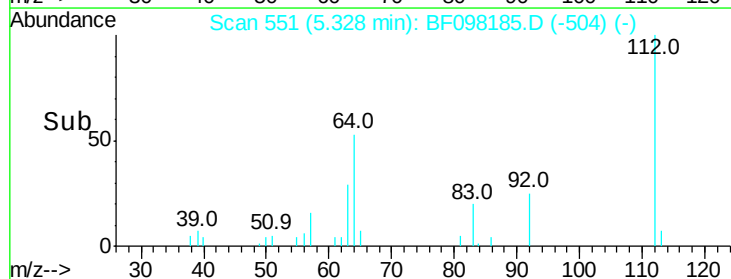
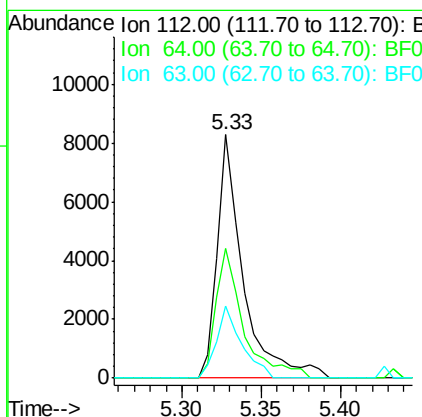
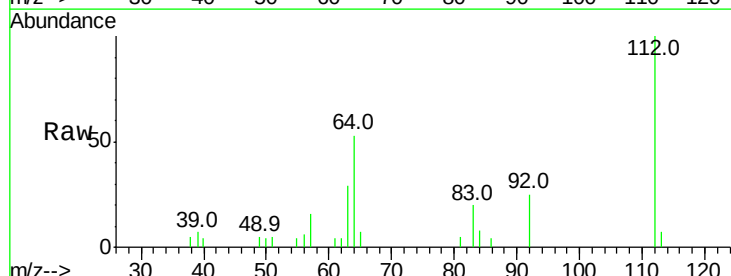
Tot Ion:152 Resp: 120883
Ion Ratio Lower Upper
152 100
150 152.6 126.2 189.2
115 61.5 52.2 78.2

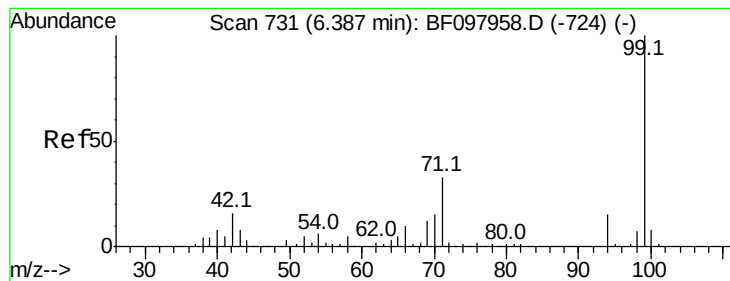


#5

2-Fluorophenol
Concen: 1.181 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Tgt Ion:112 Resp: 9383
Ion Ratio Lower Upper
112 100
64 53.0 46.0 69.0
63 29.4 23.4 35.0





#7

Phenol-d6

Concen: 1.157 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

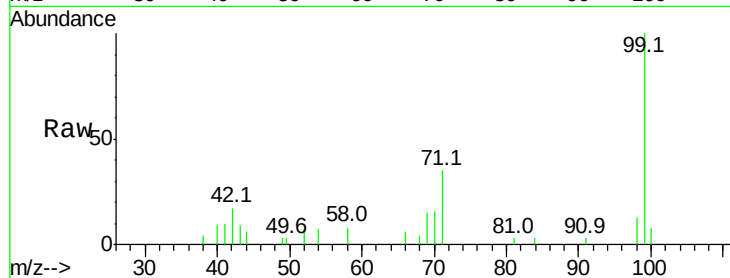
Tot Ion: 99 Resp: 12495

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

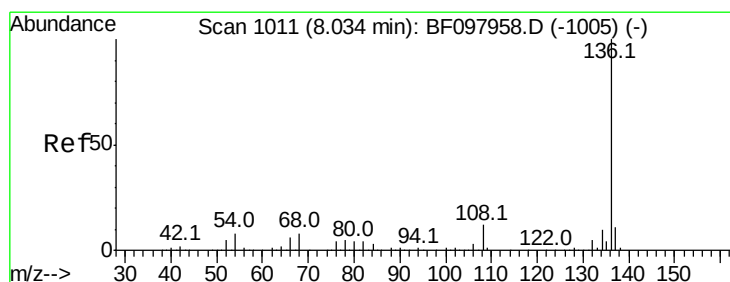
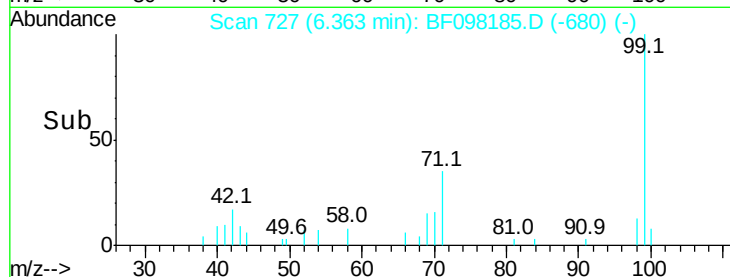
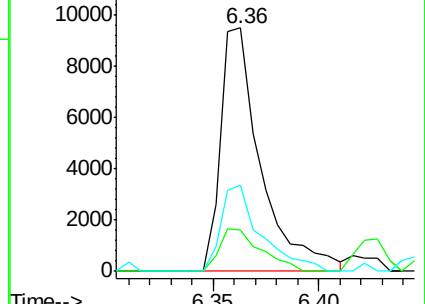
71 35.3 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Tgt Ion: 136 Resp: 431206

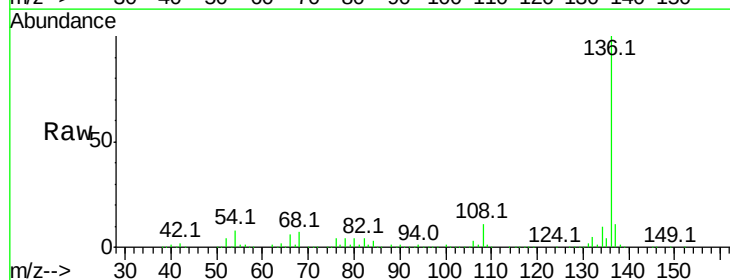
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.8 4.9 7.3#

68 7.4 4.1 6.1#

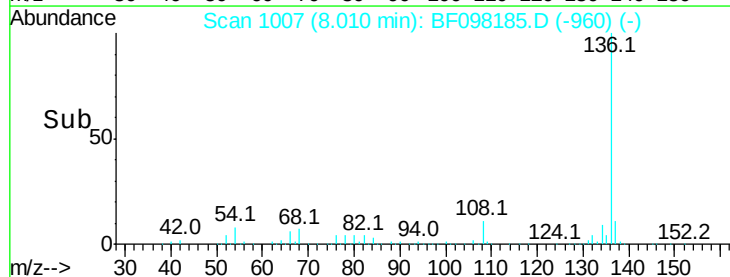
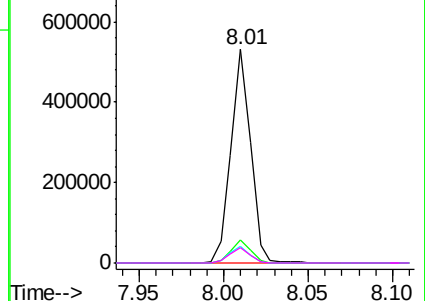


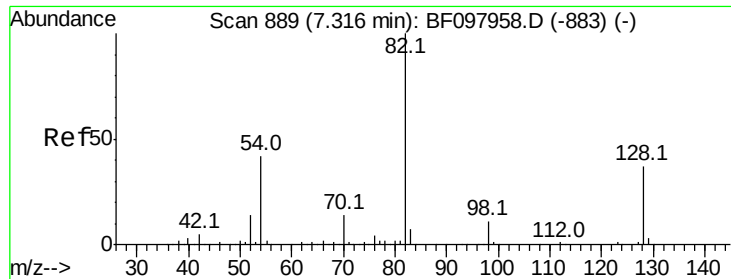
Abundance Ion 136.00 (135.70 to 136.70): E

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

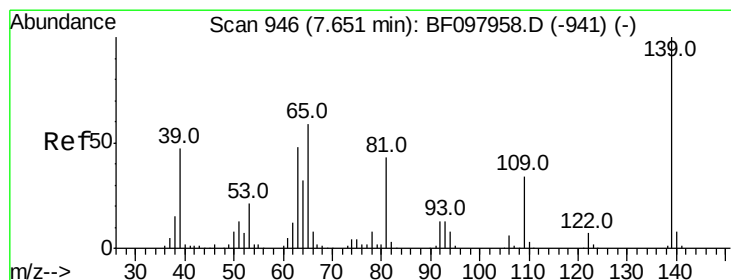
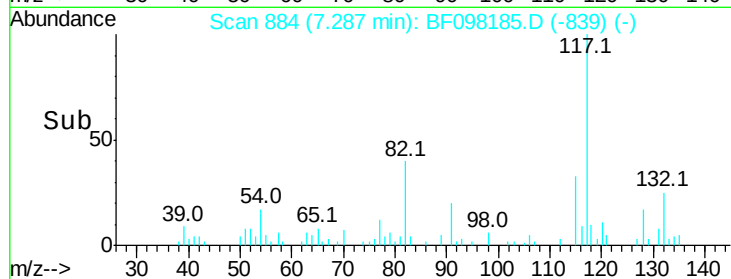
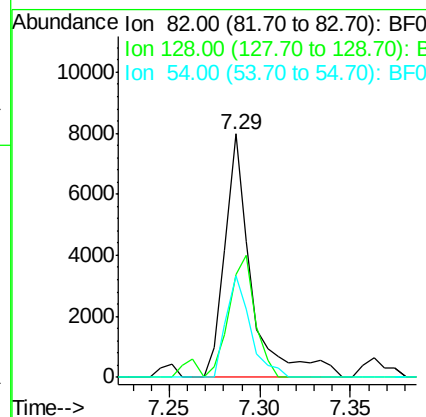
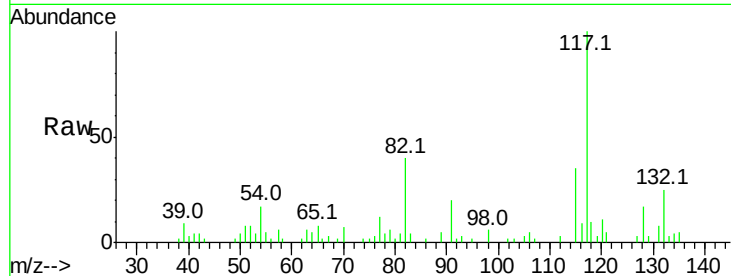




#23
 Nitrobenzene-d5
 Concen: 1.033 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.04 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

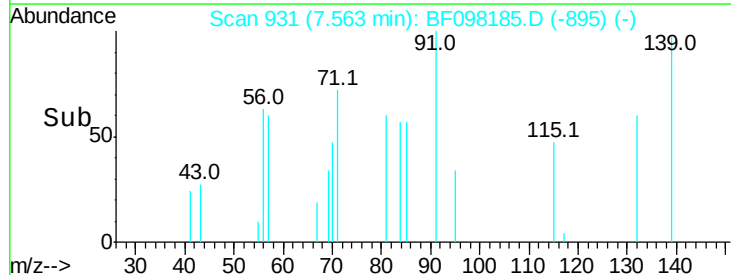
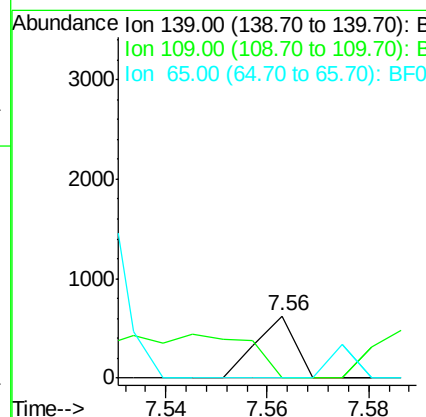
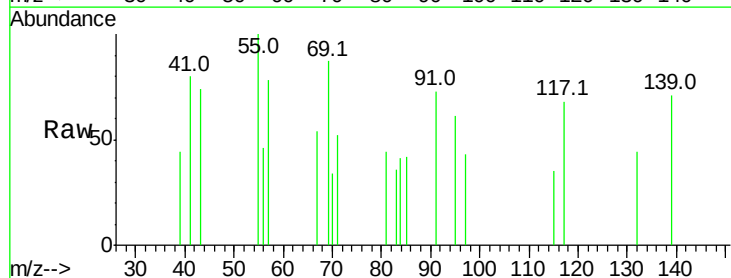
Instrument :
 BNA_F
 ClientSampleId :

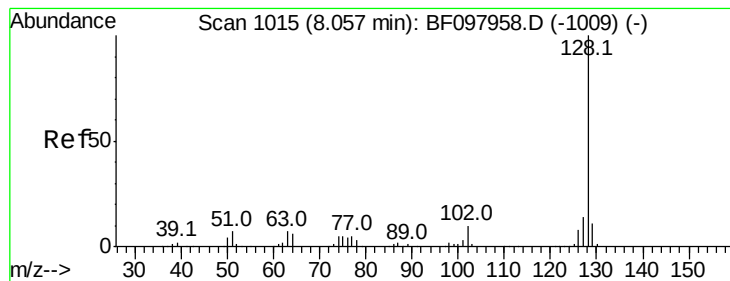
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.0	51.0
54	41.8	42.2	63.2#



#26
 2-Nitrophenol
 Concen: 5.351 ng
 RT: 7.56 min Scan# 931
 Delta R.T. -0.09 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	21.0	31.6#
65	0.0	33.0	49.6#





#31

Naphthalene

Concen: 18.802 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

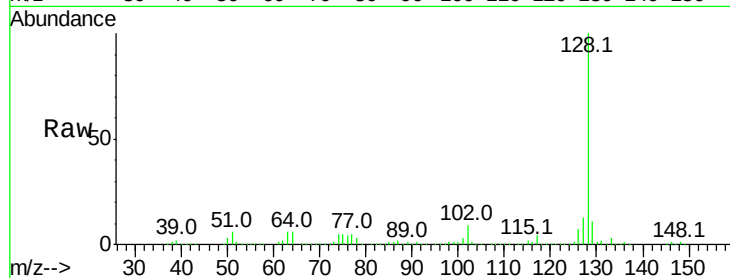
Tot Ion:128 Resp: 420909

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

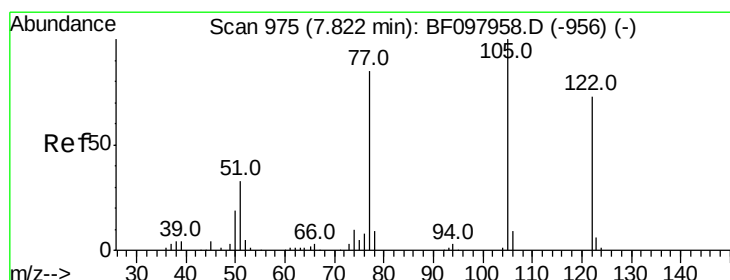
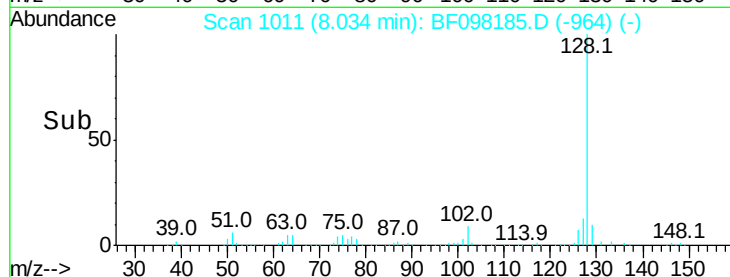
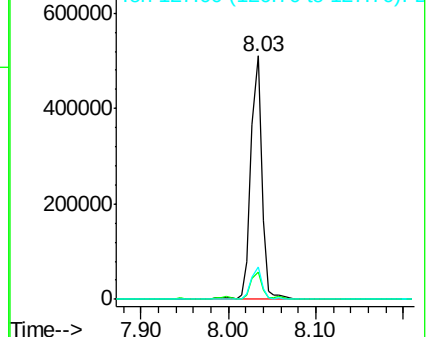
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.513 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

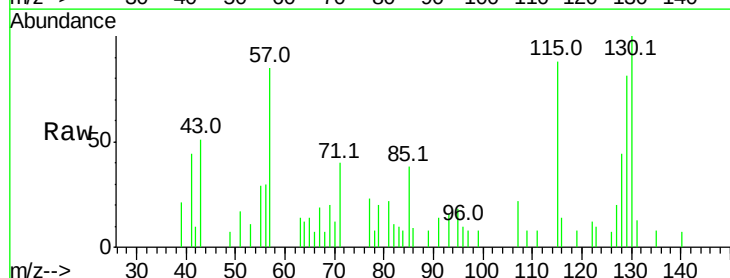
Tgt Ion:122 Resp: 627

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

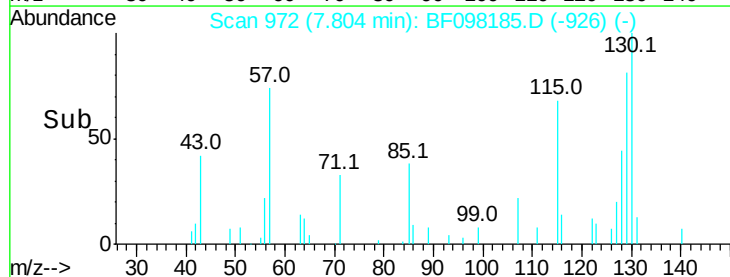
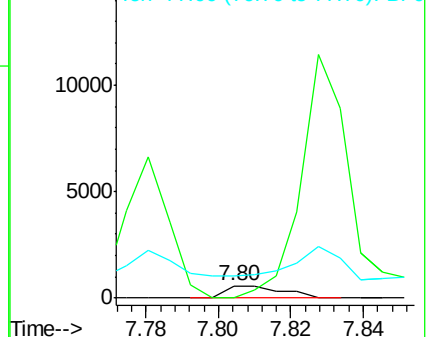
77 182.5 73.7 113.7#

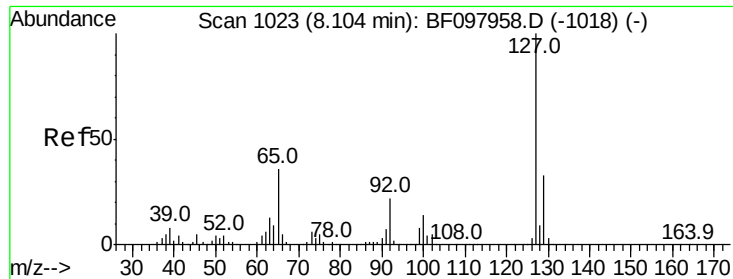


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

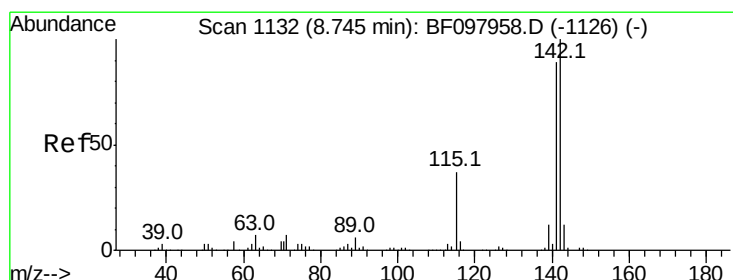
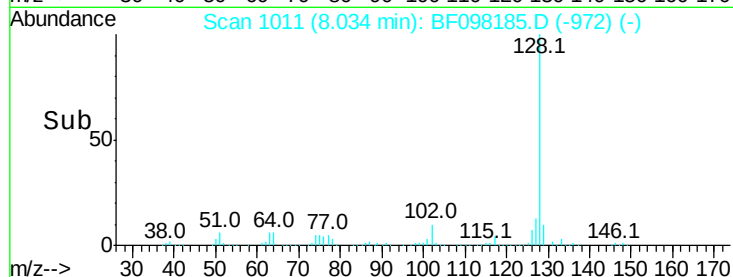
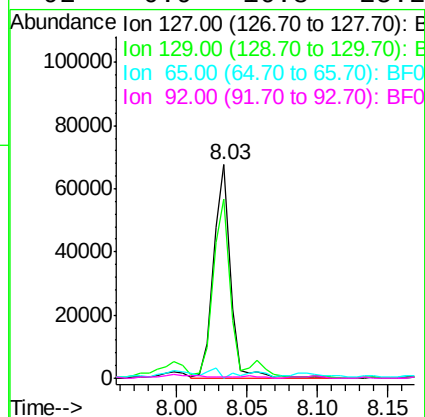
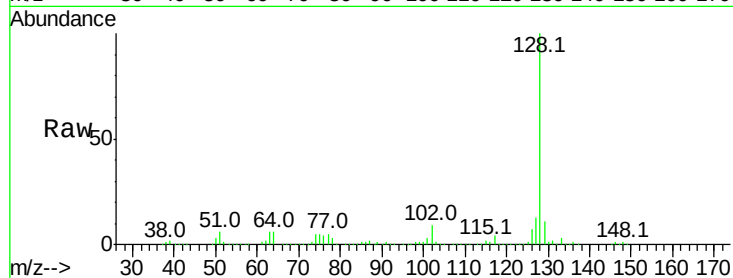




#33
4-Chloroaniline
Concen: 5.995 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.07 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

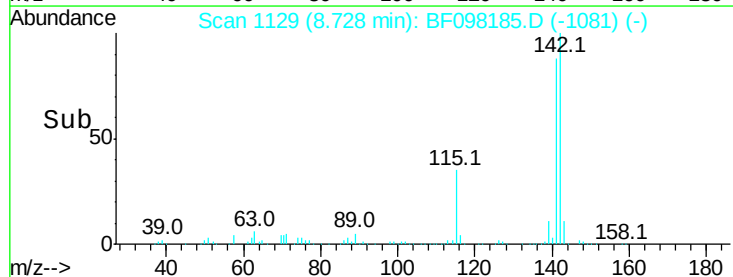
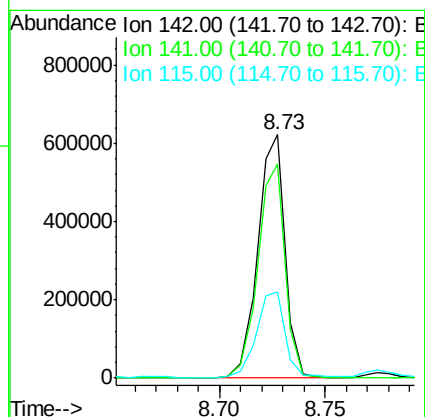
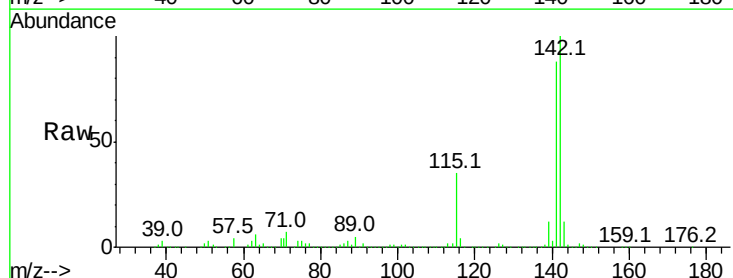
Instrument :
BNA_F
ClientSampleId :

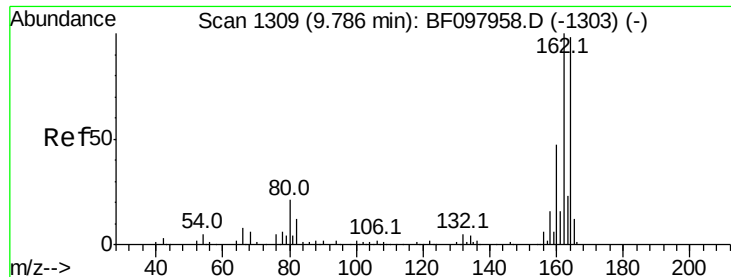
Tot Ion:127	Resp:	56598
Ion Ratio	Lower	Upper
127 100		
129 84.0	26.2	39.2#
65 0.0	27.8	41.8#
92 0.9	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 40.768 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Tgt Ion:142	Resp:	559530
Ion Ratio	Lower	Upper
142 100		
141 88.1	71.3	106.9
115 35.4	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

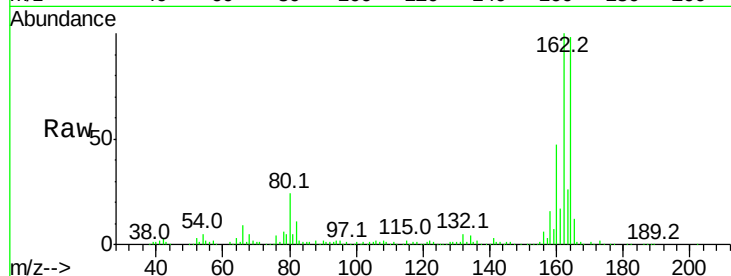
Tot Ion:164 Resp: 161327

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

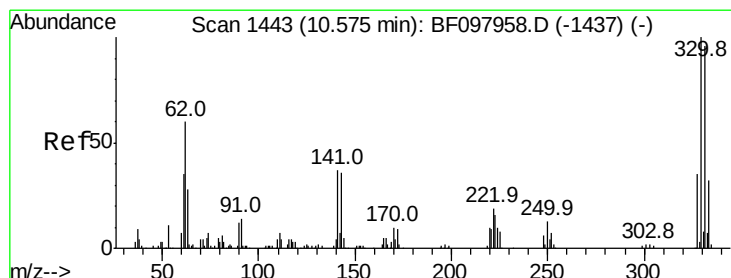
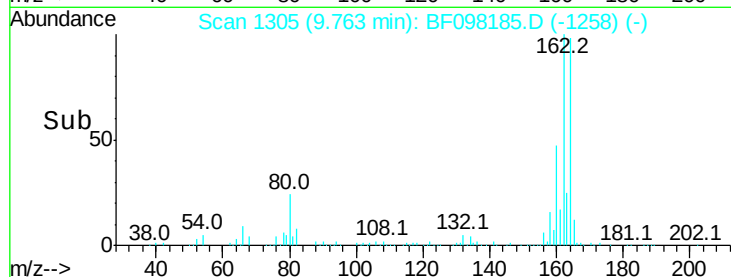
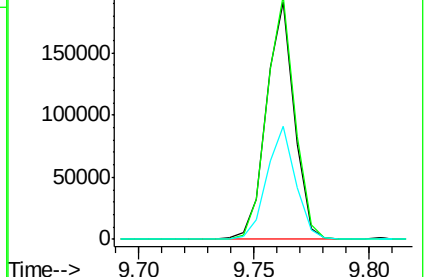
160 47.8 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.762 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

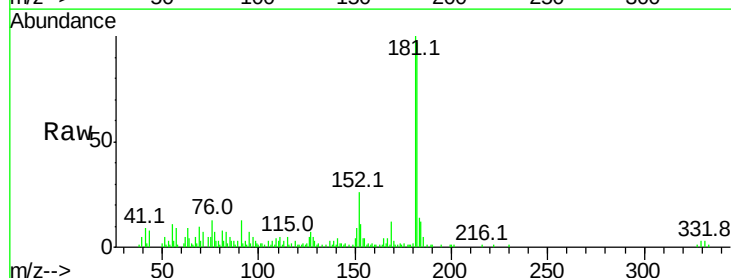
Tgt Ion:330 Resp: 1067

Ion Ratio Lower Upper

330 100

332 89.6 76.6 115.0

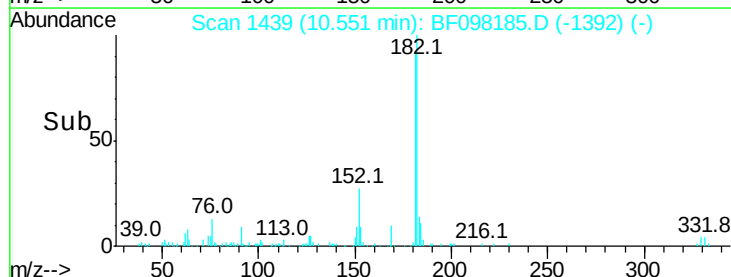
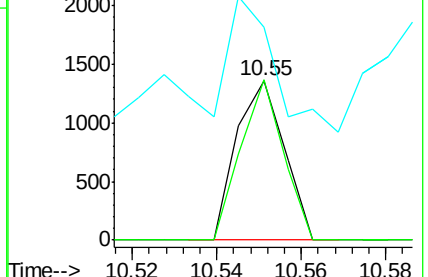
141 119.7 31.4 47.2#

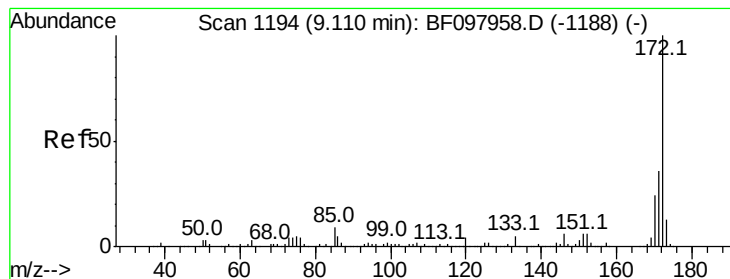


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 1.107 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

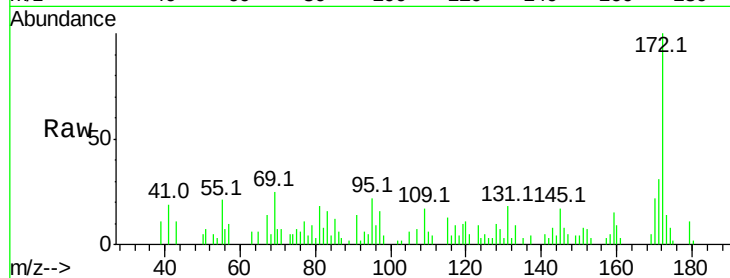
Tot Ion:172 Resp: 12152

Ion Ratio Lower Upper

172 100

171 31.3 29.6 44.4

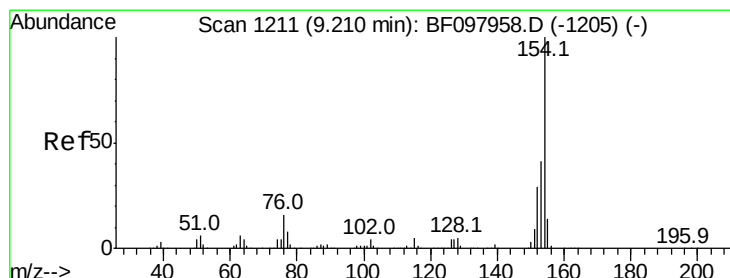
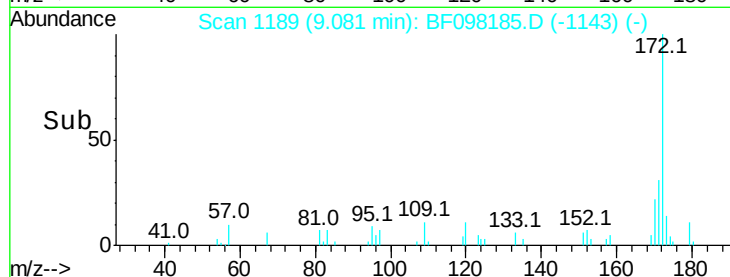
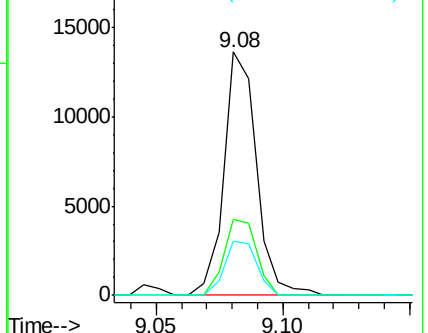
170 22.3 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 6.228 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

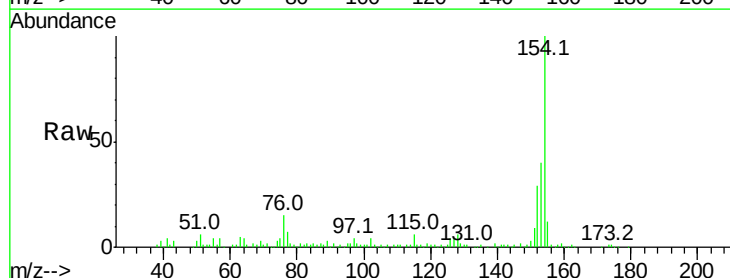
Tgt Ion:154 Resp: 91629

Ion Ratio Lower Upper

154 100

153 40.0 21.2 61.2

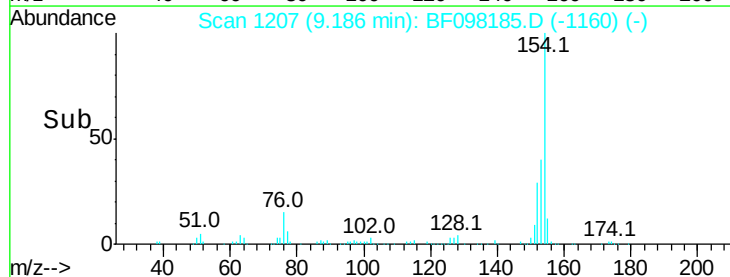
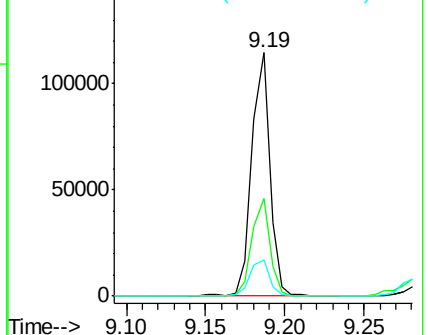
76 14.9 0.0 29.9

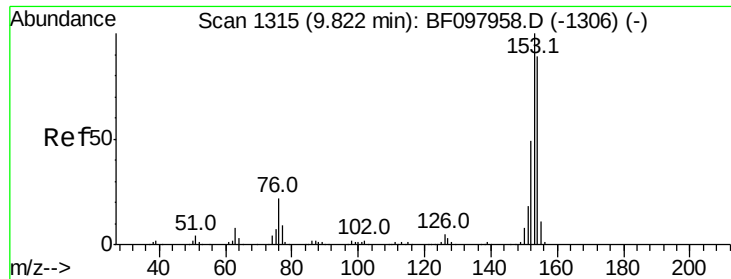


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 26.945 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

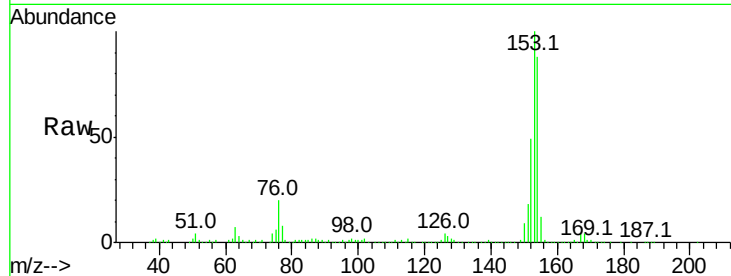
Tot Ion:154 Resp: 290080

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

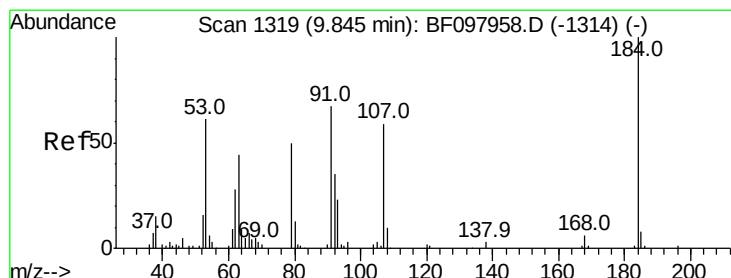
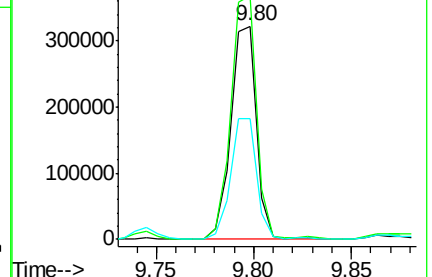
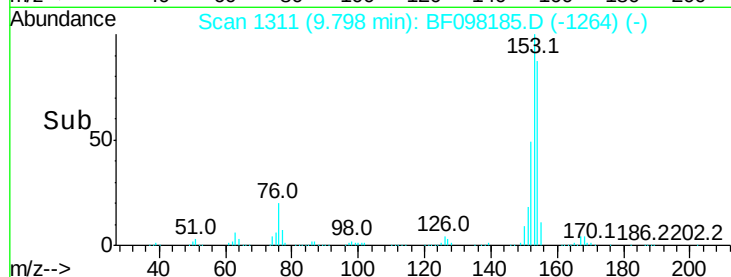
152 56.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 10.384 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.15 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

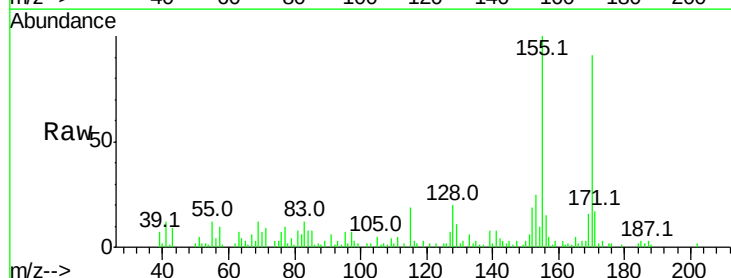
Tgt Ion:184 Resp: 311

Ion Ratio Lower Upper

184 100

63 446.5 62.7 94.1#

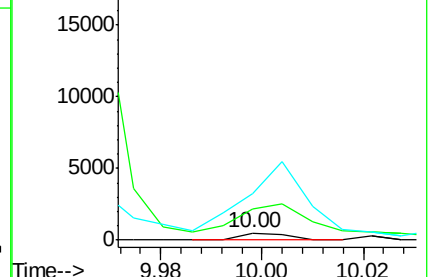
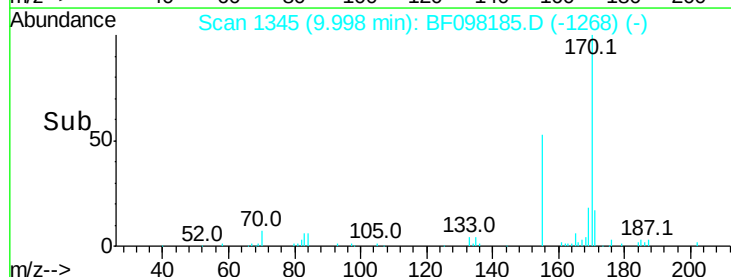
154 655.6 81.1 121.7#

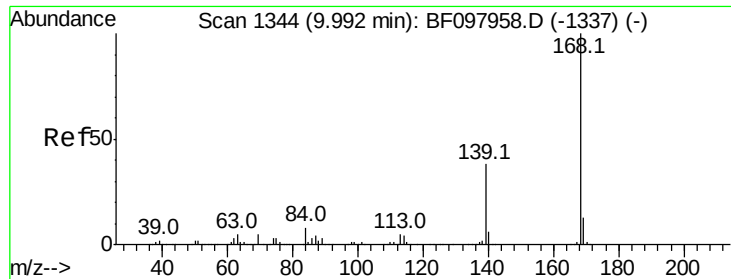


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

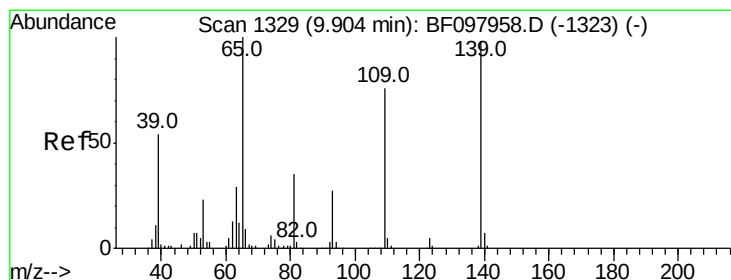
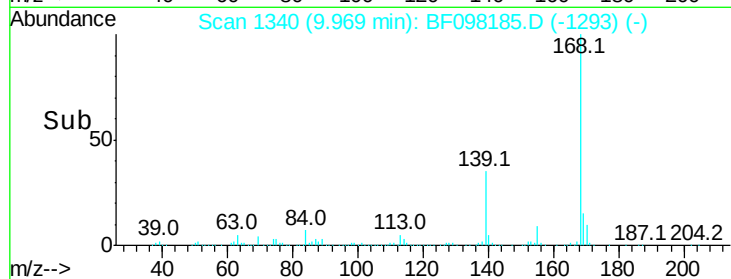
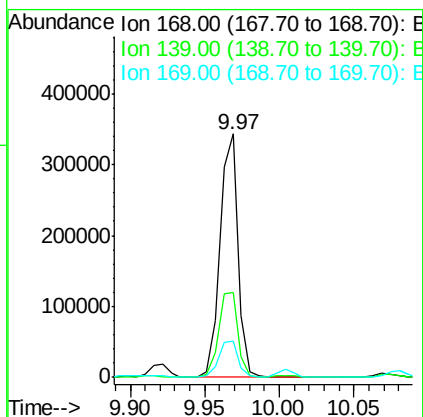
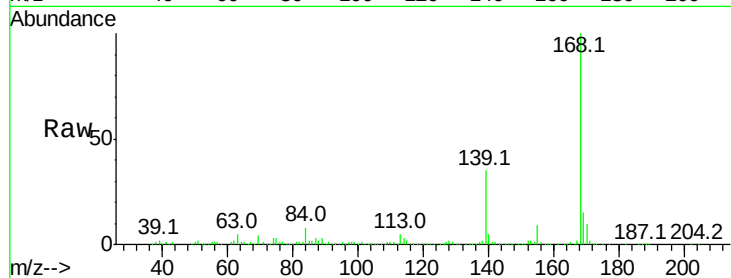




#54
Dibenzofuran
Concen: 20.447 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

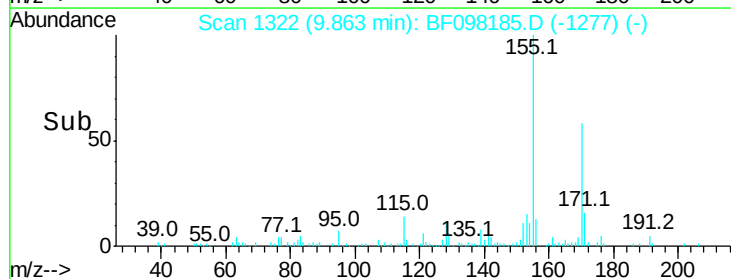
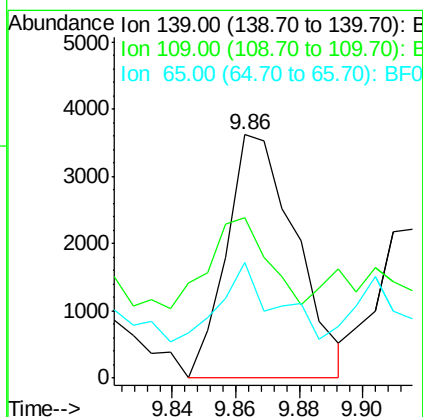
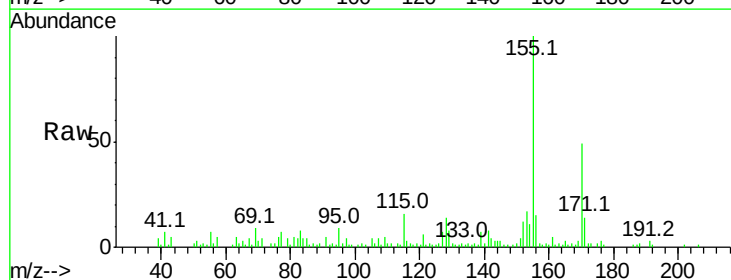
Instrument :
BNA_F
ClientSampled :

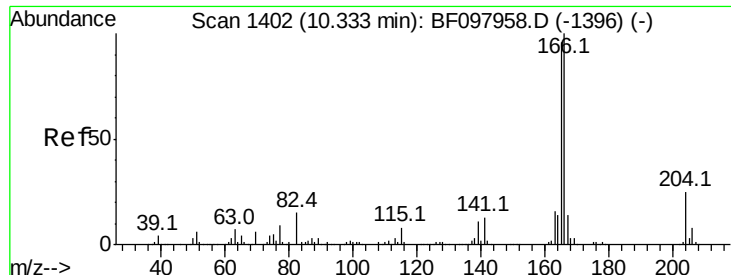
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.1	30.6	45.8
169	15.0	10.8	16.2



#55
4-Nitrophenol
Concen: 2.271 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.04 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.0	34.1	74.1
65	47.6	31.4	71.4

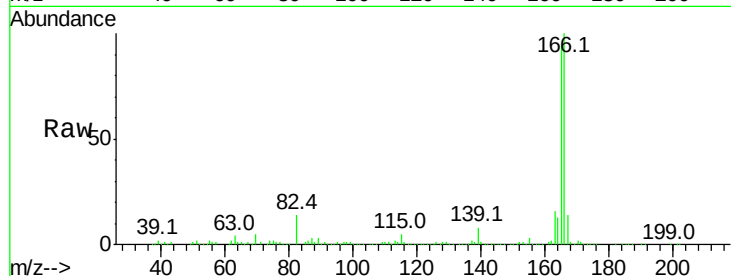




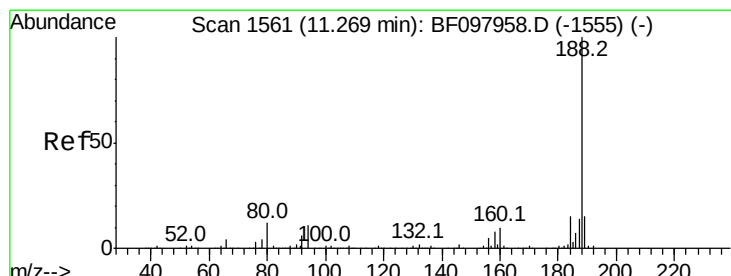
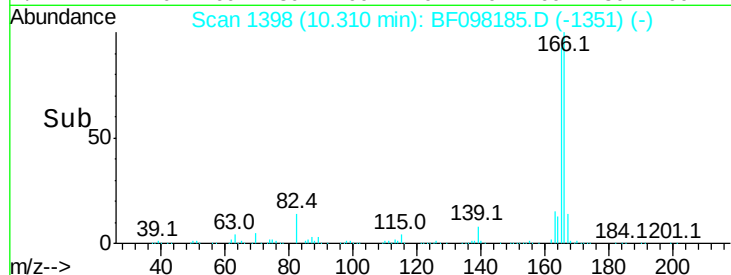
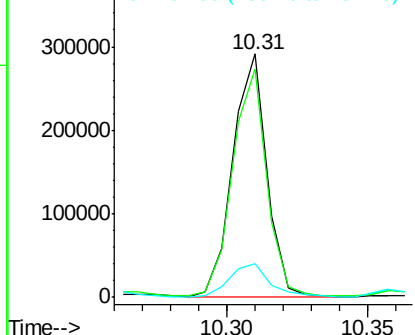
#57
Fluorene
 Concen: 21.716 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 242252
 Ion Ratio Lower Upper
 166 100
 165 93.7 78.8 118.2
 167 13.7 10.6 16.0

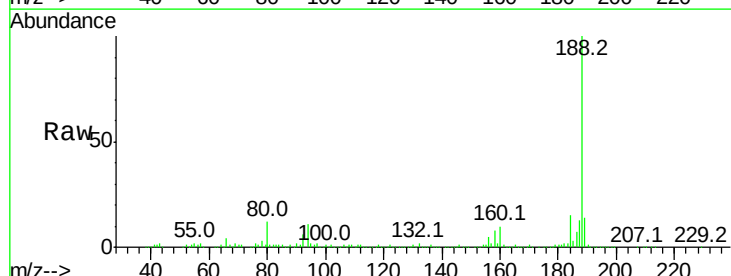


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

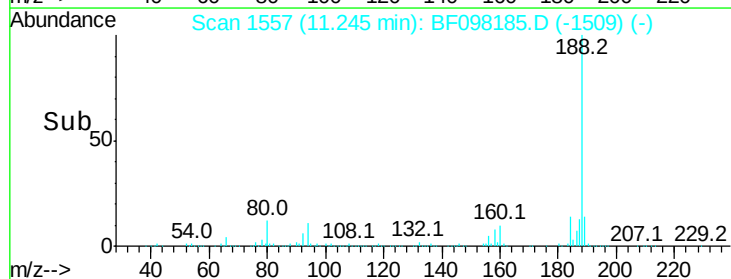
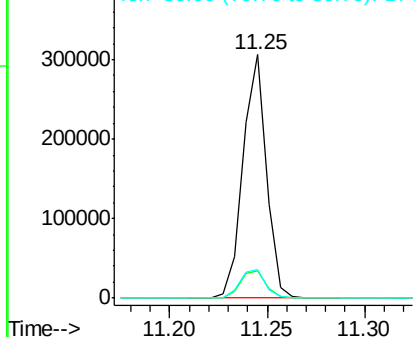


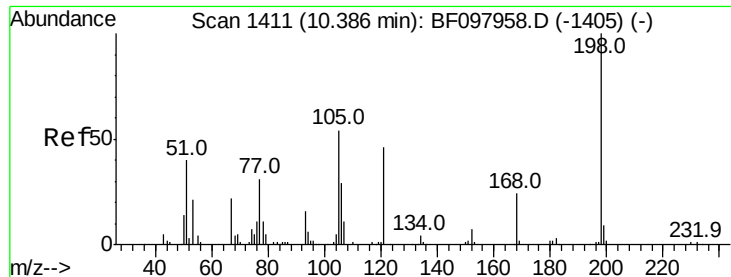
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

Tgt Ion:188 Resp: 254216
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.7 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





#64

4,6-Dinitro-2-methylphenol

Concen: 8.488 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.15 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampled :

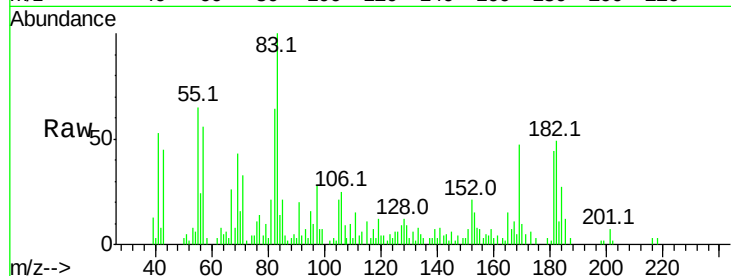
Tot Ion:198 Resp: 243

Ion Ratio Lower Upper

198 100

51 221.0 53.2 93.2#

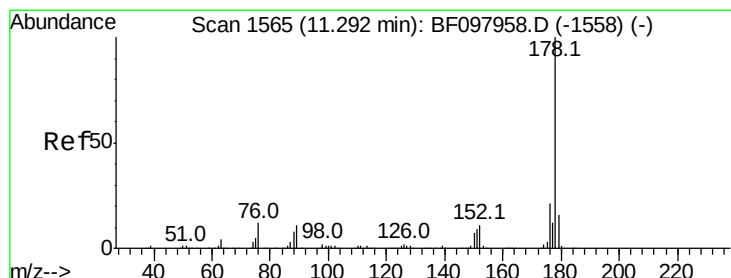
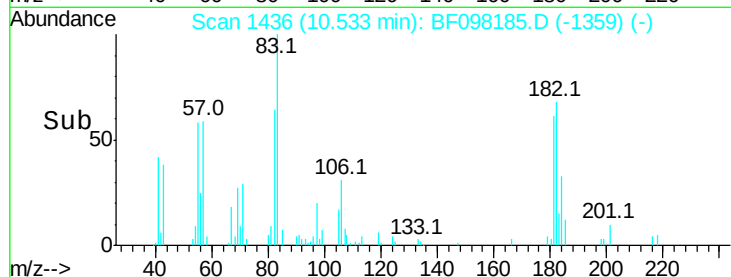
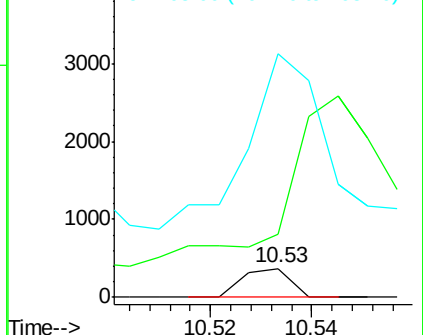
105 851.5 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 29.205 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

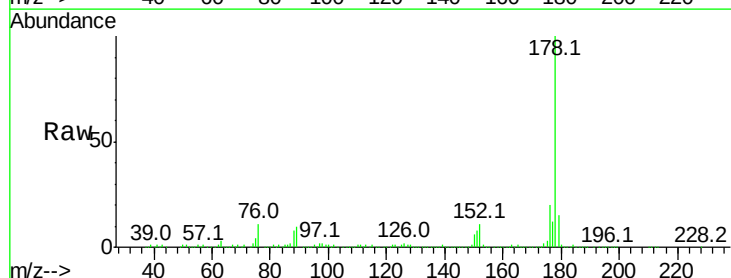
Tgt Ion:178 Resp: 395620

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

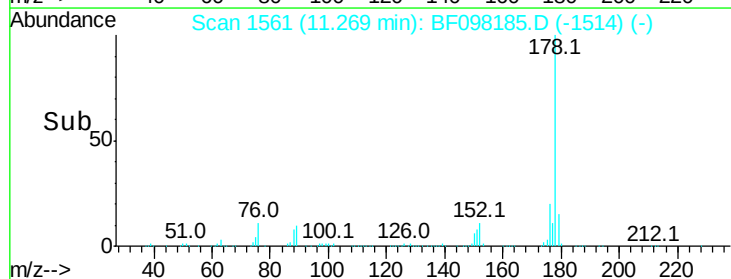
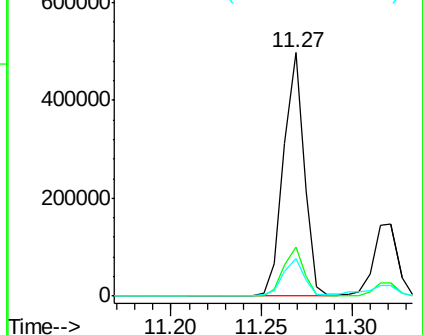
179 15.4 12.6 19.0

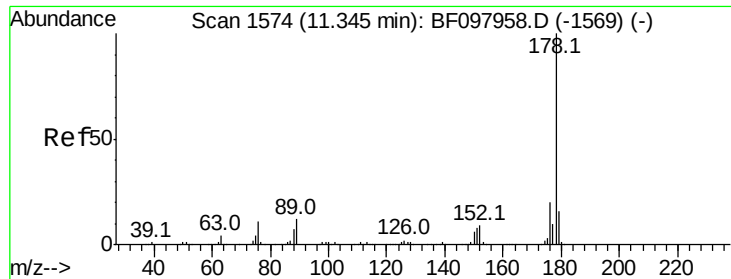


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 9.846 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

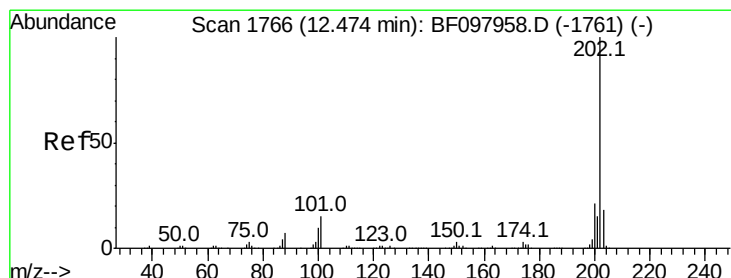
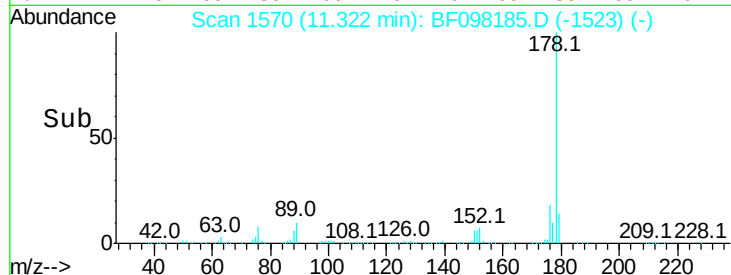
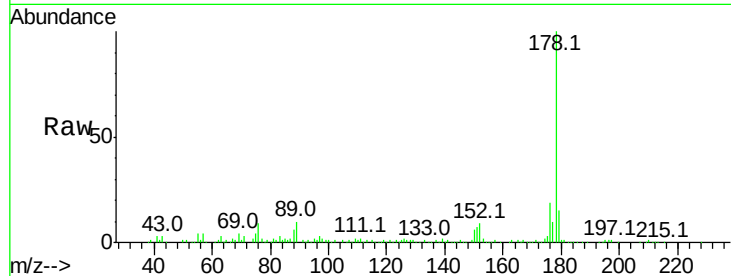
Tot Ion:178 Resp: 135282

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

179 15.1 12.7 19.1



#74

Fluoranthene

Concen: 8.755 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

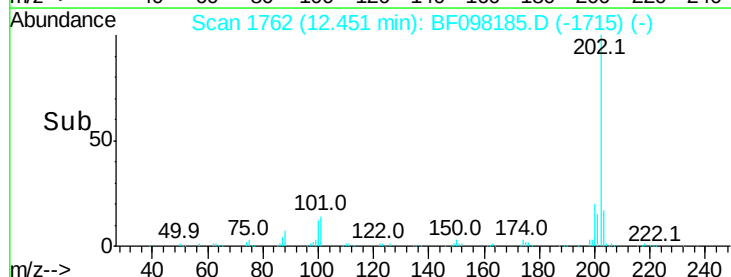
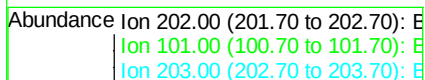
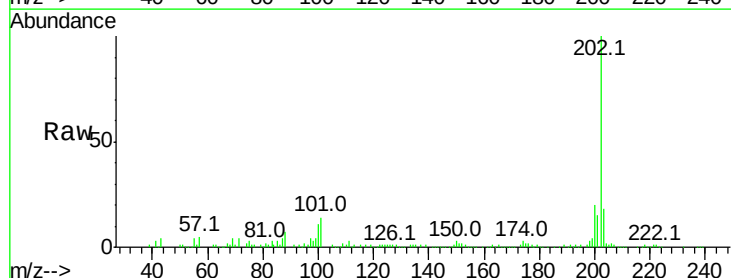
Tgt Ion:202 Resp: 123791

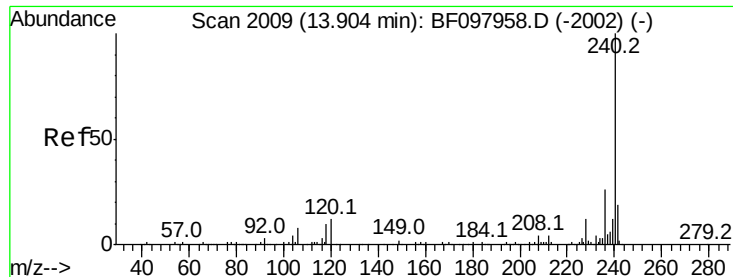
Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

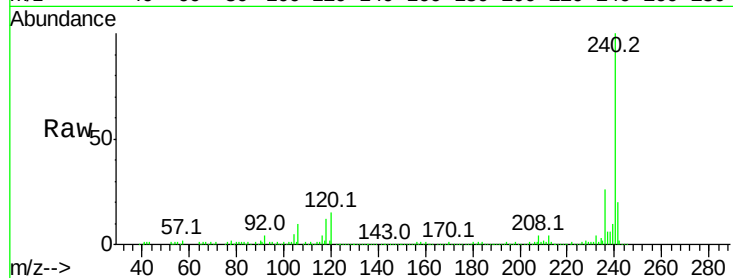
Tot Ion:240 Resp: 230072

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

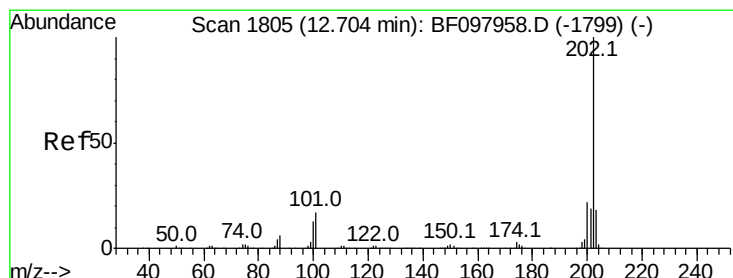
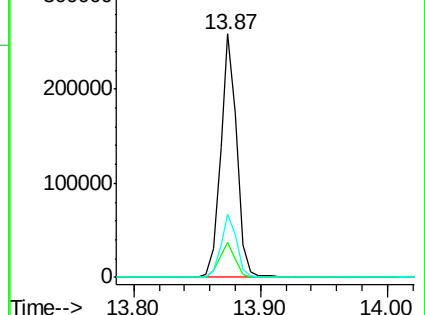
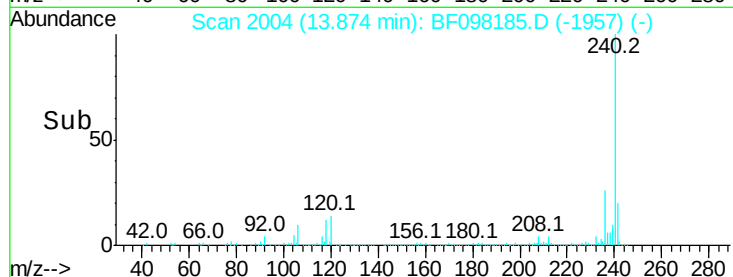
236 25.9 20.5 30.7



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



#77

Pyrene

Concen: 5.201 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

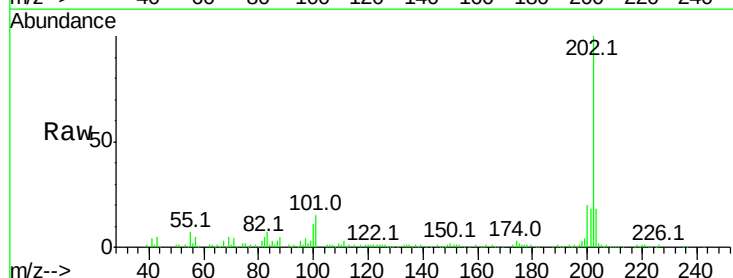
Tgt Ion:202 Resp: 97874

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

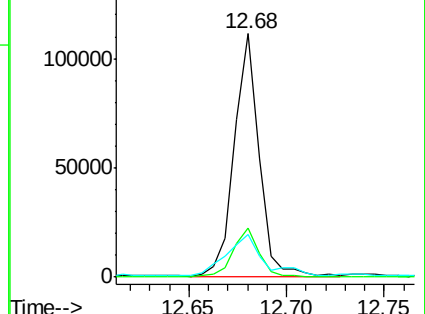
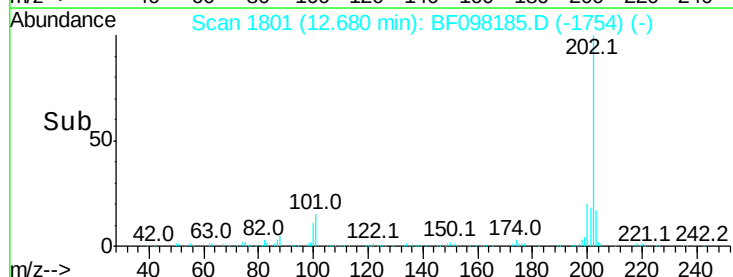
203 17.6 14.4 21.6

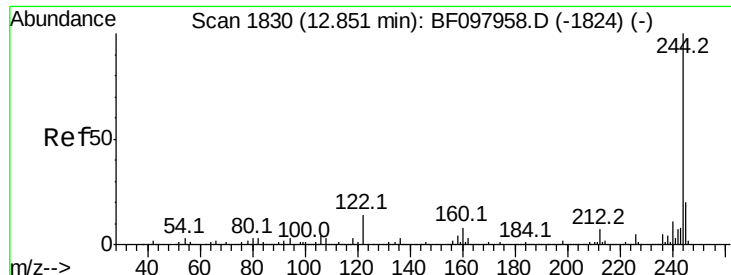


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.675 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

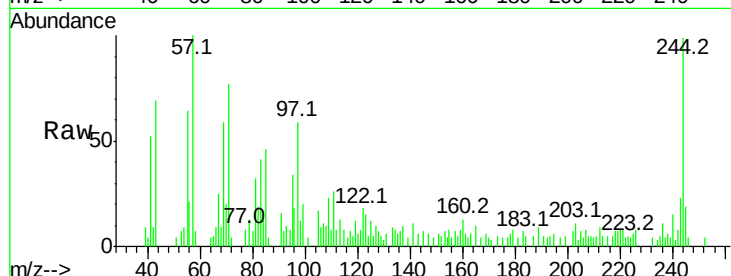
Tot Ion:244 Resp: 7444

Ion Ratio Lower Upper

244 100

212 9.5 6.0 9.0#

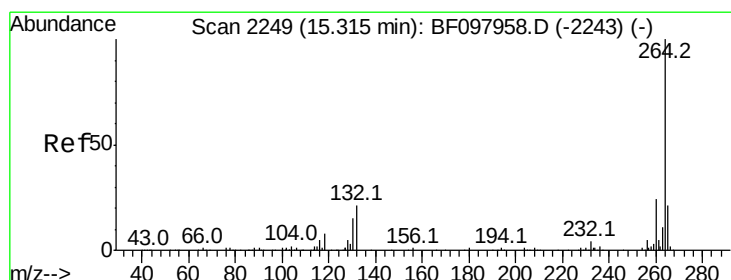
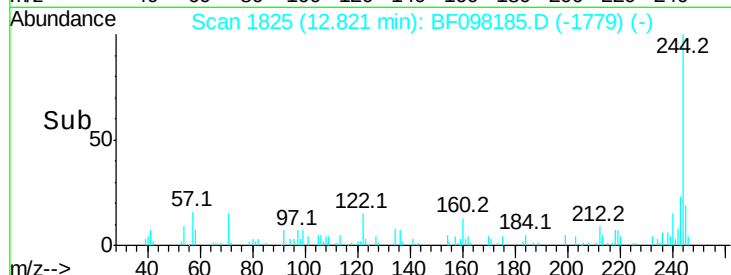
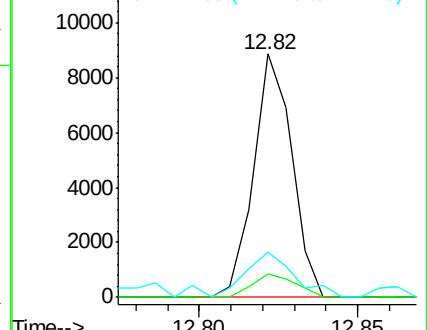
122 18.4 10.3 15.5#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

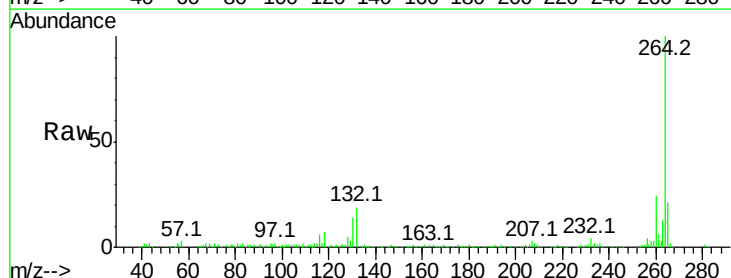
Tgt Ion:264 Resp: 161142

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.1 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

