

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF08197.D
 Acq On : 31 Aug 2017 11:38
 Operator : SJ/JU
 Sample : I4979-01DL2 50X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 12:40:14 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	94115	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	344487	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	134854	20.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	239065	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	209405	20.00	ng	-0.02
86) Perylene-d12	15.29	264	151983	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	16469	2.66	ng	-0.02
7) Phenol-d6	6.36	99	23098	2.75	ng	-0.03
23) Nitrobenzene-d5	7.29	82	11988	1.89	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	2107	1.80	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	16284	1.77	ng	-0.03
78) Terphenyl-d14	12.82	244	13022	1.30	ng	-0.03

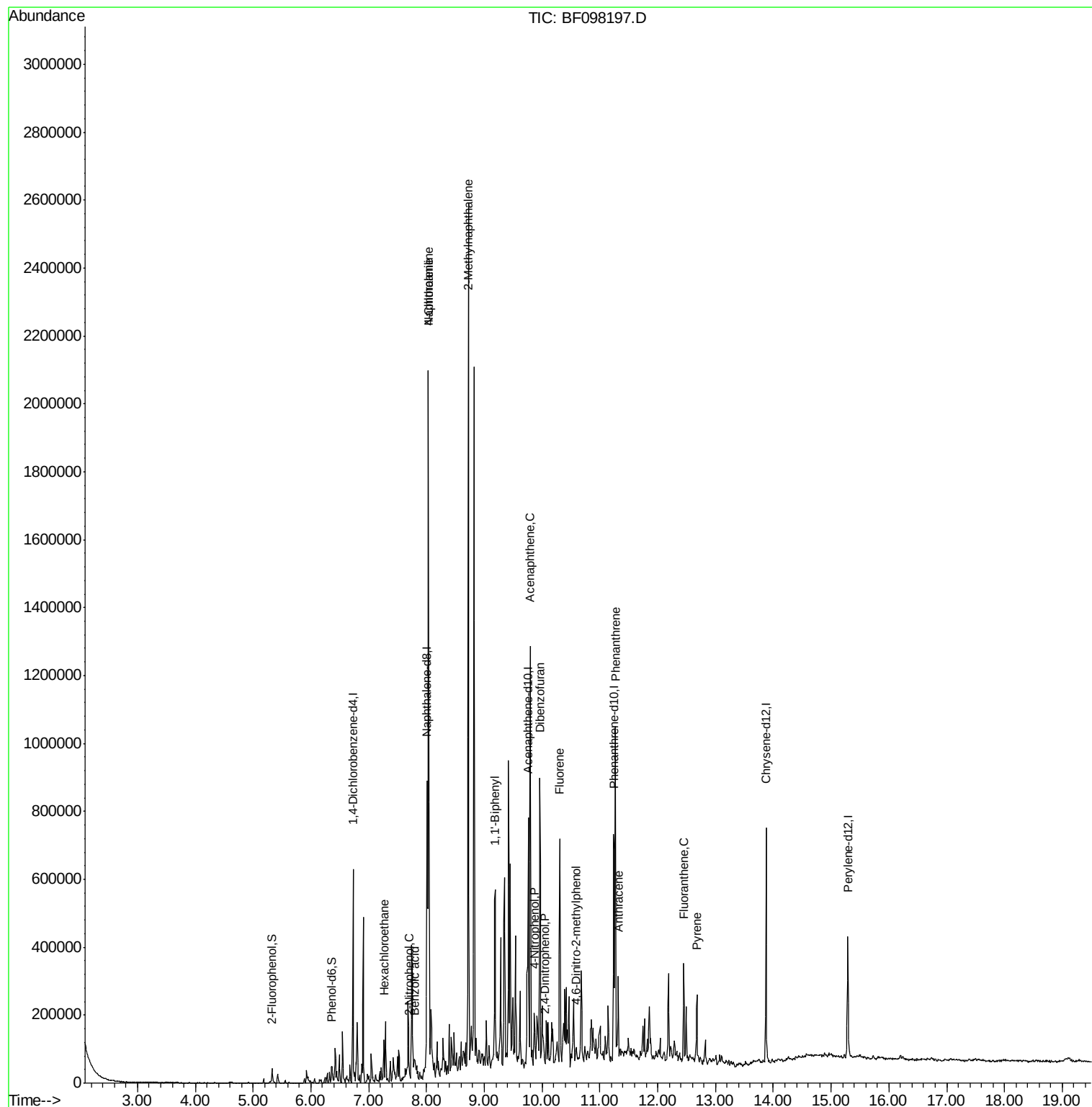
Target Compounds				Qvalue		
18) Hexachloroethane	7.26	117	8463	3.024	ng	# 1
26) 2-Nitrophenol	7.70	139	643	5.482	ng	# 61
31) Naphthalene	8.03	128	815064	45.575	ng	99
32) Benzoic acid	7.80	122	1184	6.660	ng	# 1
33) 4-Chloroaniline	8.03	127	109459	14.512	ng	# 34
37) 2-Methylnaphthalene	8.73	142	688490	62.792	ng	100
45) 1,1'-Biphenyl	9.19	154	153832	12.509	ng	97
51) Acenaphthene	9.79	154	227468	25.277	ng	99
53) 2,4-Dinitrophenol	10.05	184	127	10.260	ng	# 4
54) Dibenzofuran	9.96	168	242566	20.112	ng	# 98
55) 4-Nitrophenol	9.86	139	4109	2.029	ng	91
57) Fluorene	10.31	166	169325	18.159	ng	96
64) 4,6-Dinitro-2-methylphenol	10.57	198	396	8.611	ng	# 1
70) Phenanthrene	11.27	178	342025	26.848	ng	99
71) Anthracene	11.32	178	79652	6.165	ng	99
74) Fluoranthene	12.45	202	96389	7.249	ng	99
77) Pyrene	12.68	202	73498	4.291	ng	97

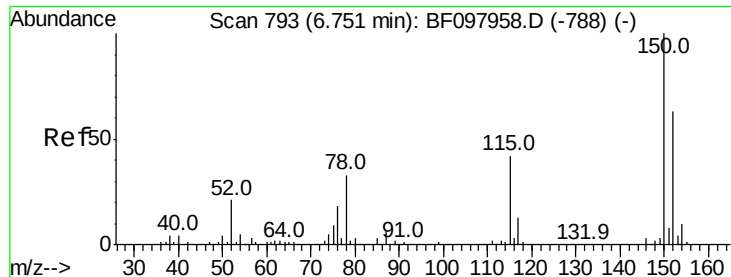
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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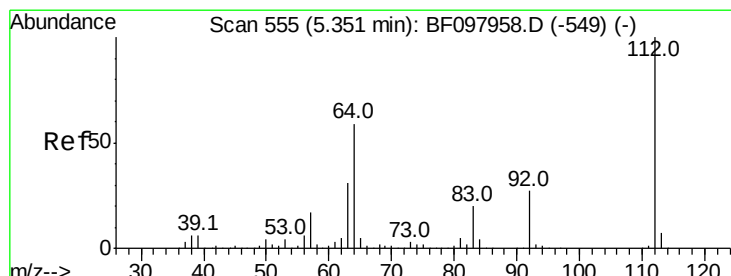
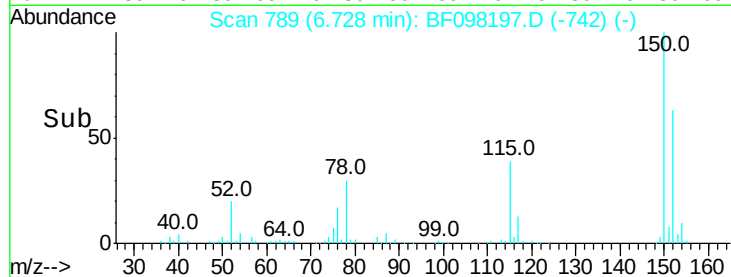
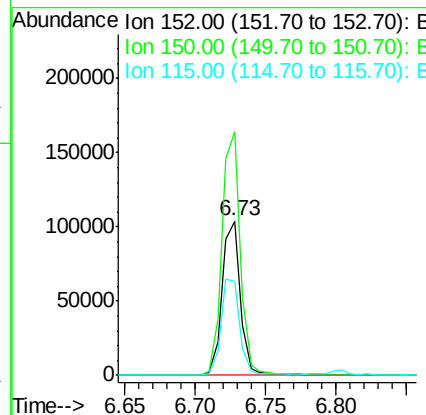
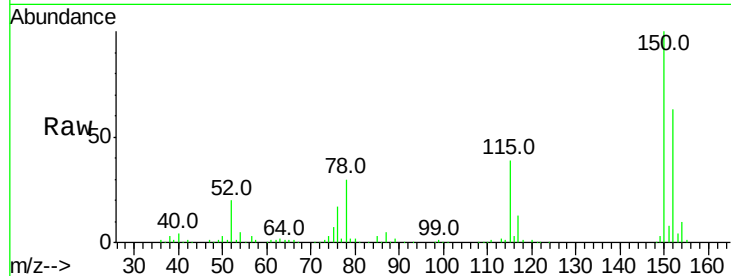


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Instrument :
BNA_F
ClientSampleId :

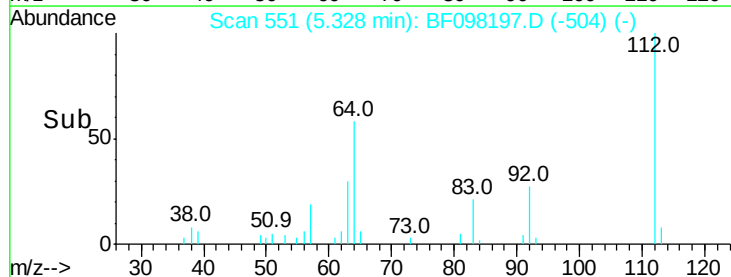
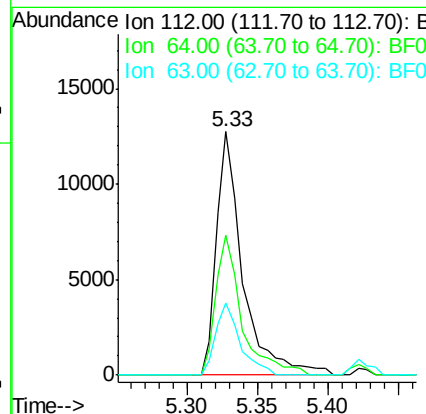
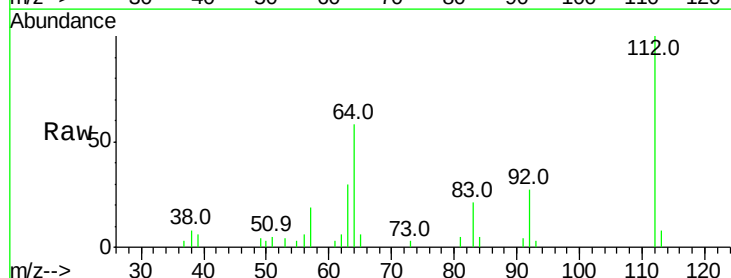
Tot Ion:152 Resp: 94115
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 61.0 52.2 78.2

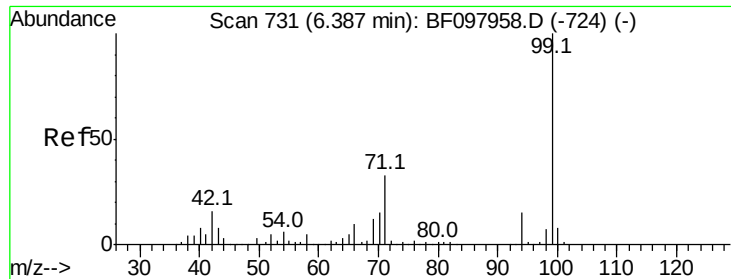


#5

2-Fluorophenol
Concen: 2.662 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Tgt Ion:112 Resp: 16469
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 29.8 23.4 35.0





#7

Phenol-d6

Concen: 2.748 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampled :

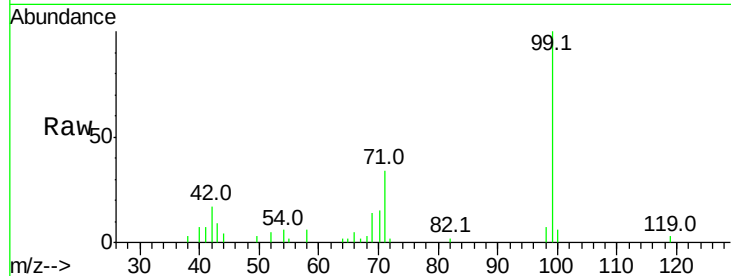
Tot Ion: 99 Resp: 23098

Ion Ratio Lower Upper

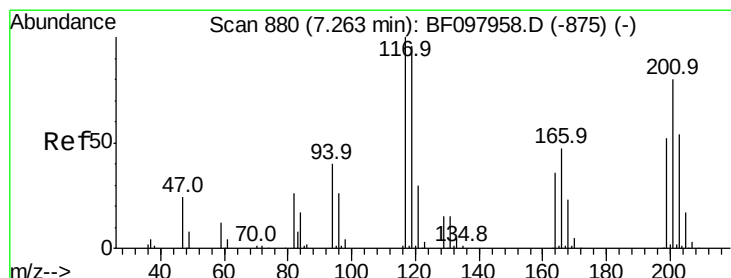
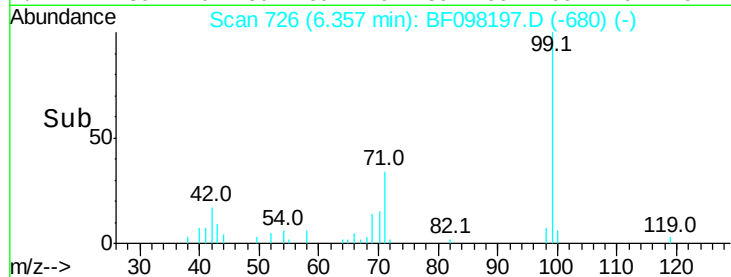
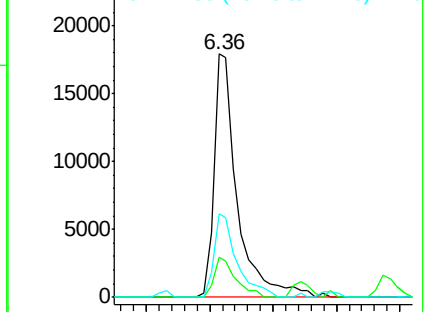
99 100

42 16.7 13.5 20.3

71 34.1 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



#18

Hexachloroethane

Concen: 3.024 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.00 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

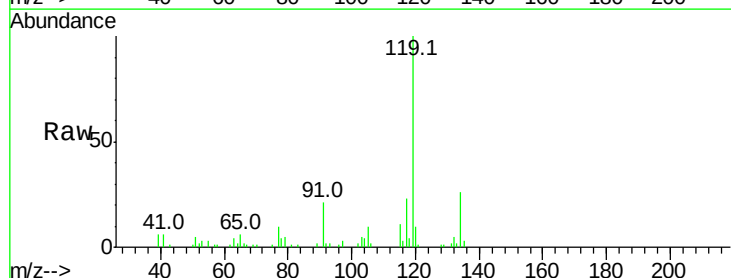
Tgt Ion: 117 Resp: 8463

Ion Ratio Lower Upper

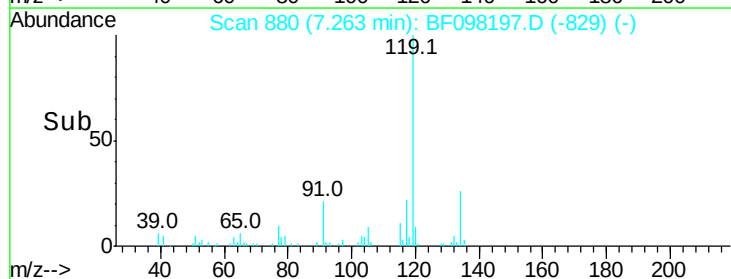
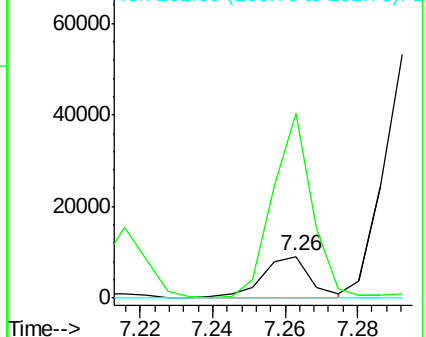
117 100

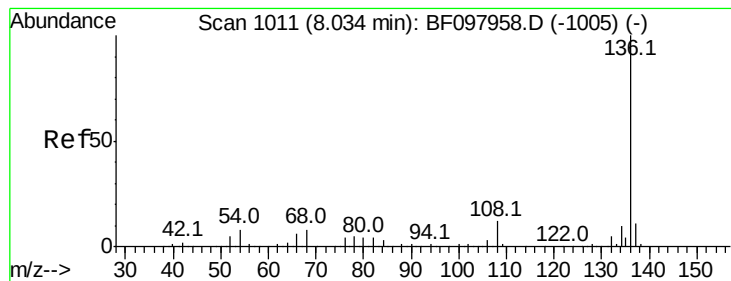
119 444.0 77.4 116.0#

201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 344487

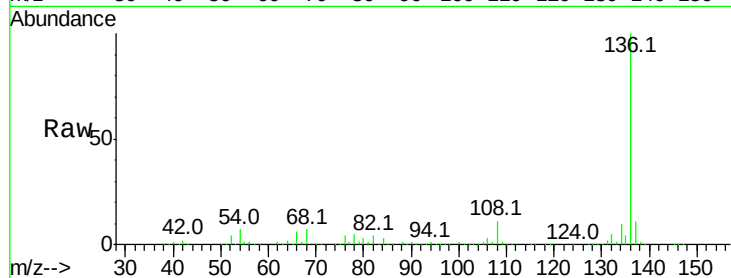
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.4 4.9 7.3#

68 7.5 4.1 6.1#

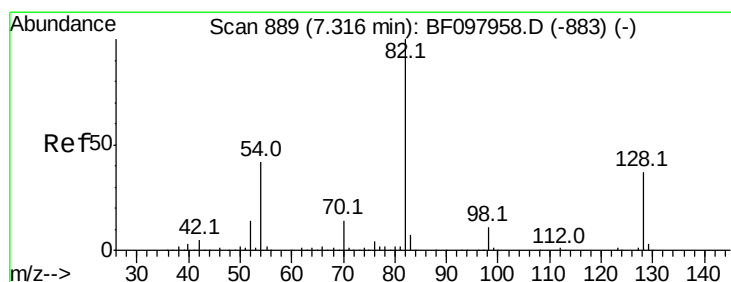
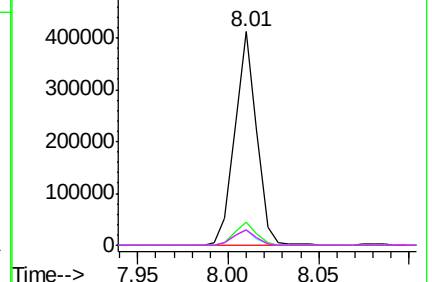
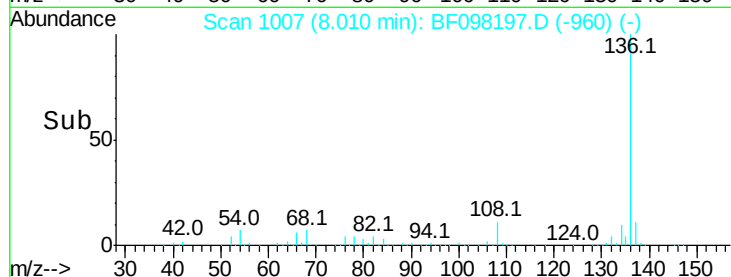


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.890 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

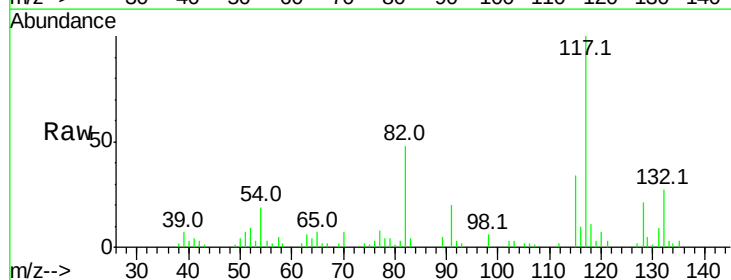
Tgt Ion: 82 Resp: 11988

Ion Ratio Lower Upper

82 100

128 42.9 34.0 51.0

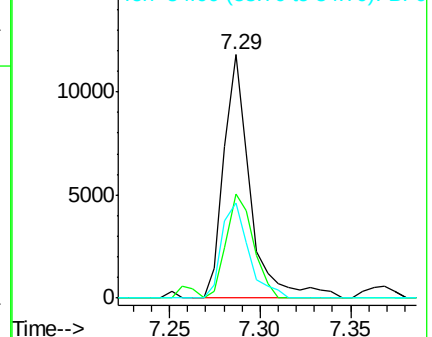
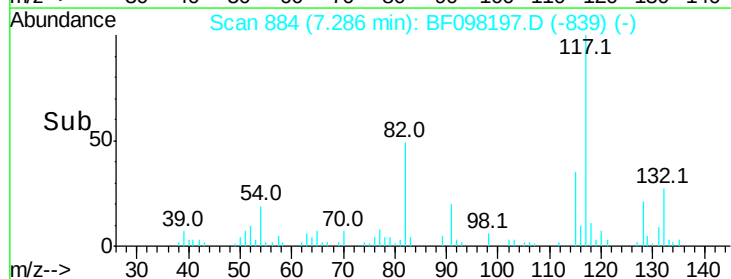
54 39.1 42.2 63.2#

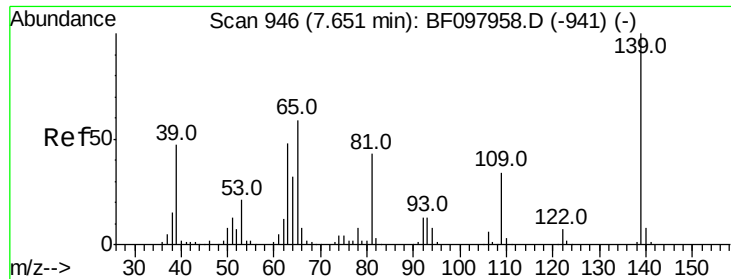


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

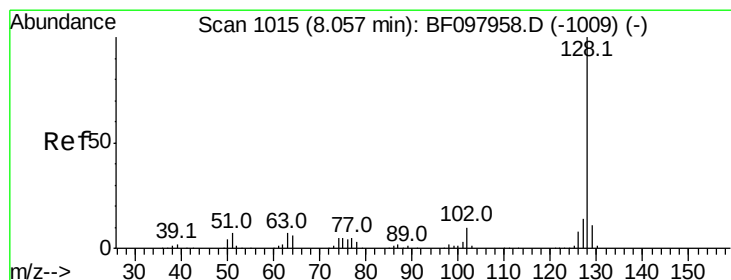
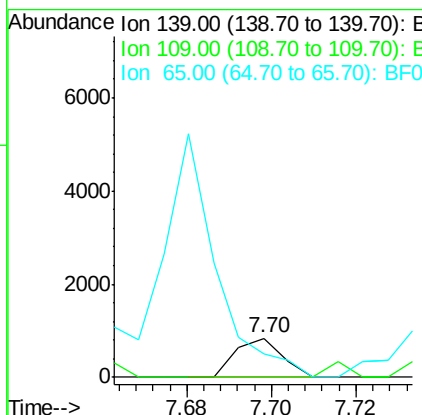
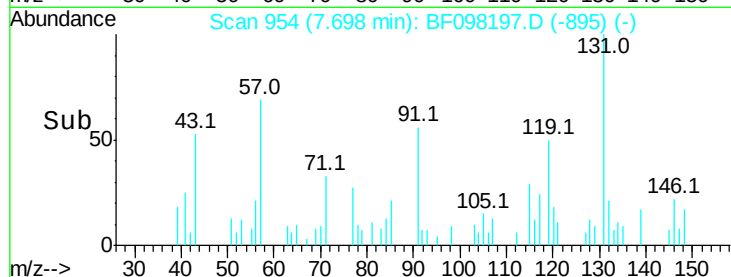
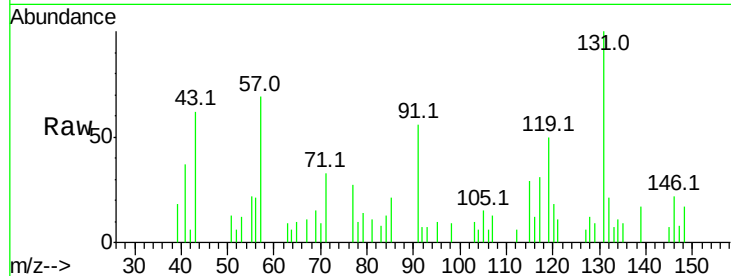




#26
2-Nitrophenol
Concen: 5.482 ng
RT: 7.70 min Scan# 954
Delta R.T. 0.05 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

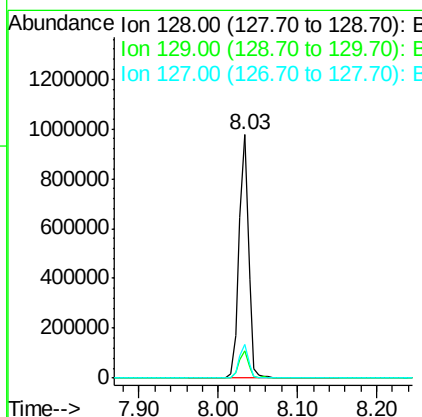
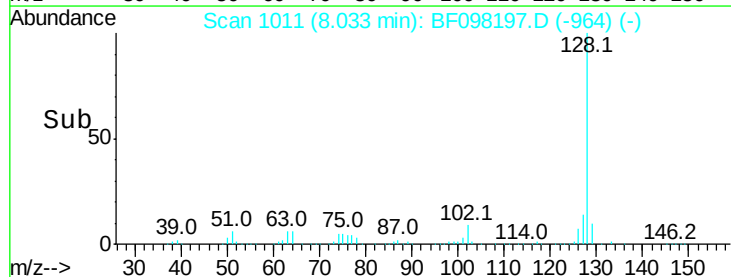
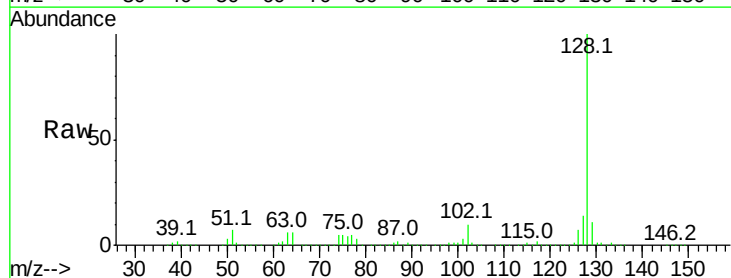
Instrument :
BNA_F
ClientSampleId :

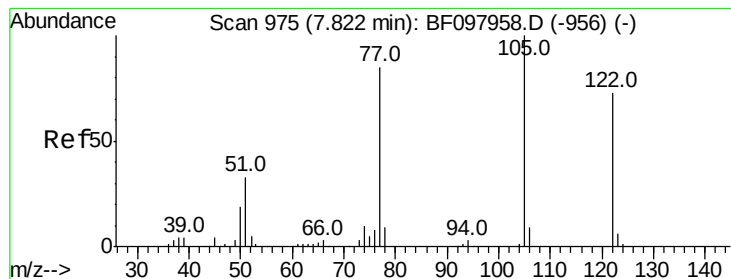
Tot Ion:139 Resp: 643
Ion Ratio Lower Upper
139 100
109 0.0 21.0 31.6#
65 61.2 33.0 49.6#



#31
Naphthalene
Concen: 45.575 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Tgt Ion:128 Resp: 815064
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.9 10.8 16.2





#32

Benzoic acid

Concen: 6.660 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

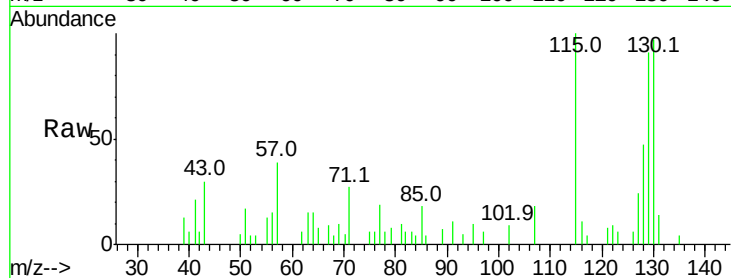
Tot Ion:122 Resp: 1184

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

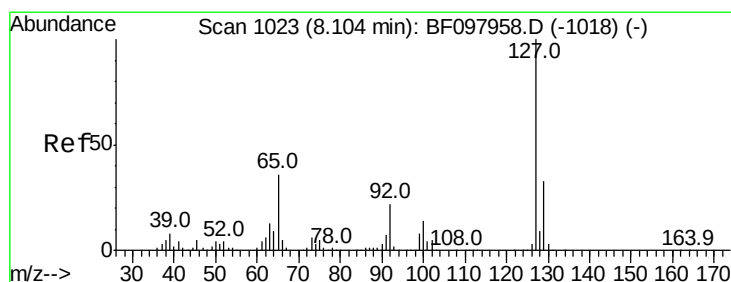
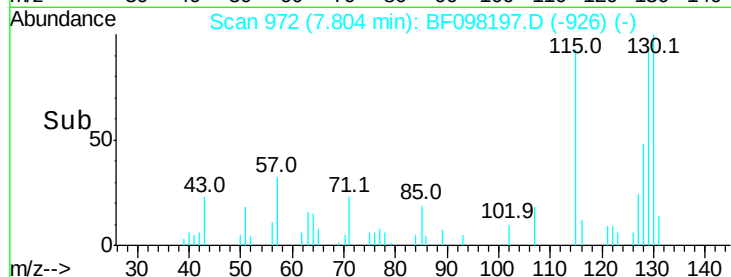
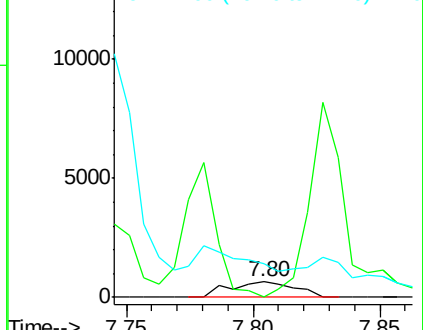
77 213.6 73.7 113.7#



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: 14.512 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.07 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Tgt Ion:127 Resp: 109459

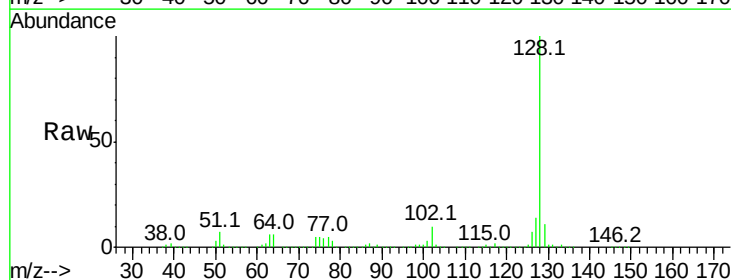
Ion Ratio Lower Upper

127 100

129 81.0 26.2 39.2#

65 0.0 27.8 41.8#

92 0.3 16.8 25.2#

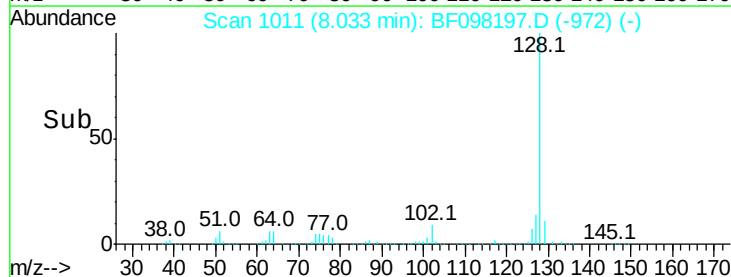
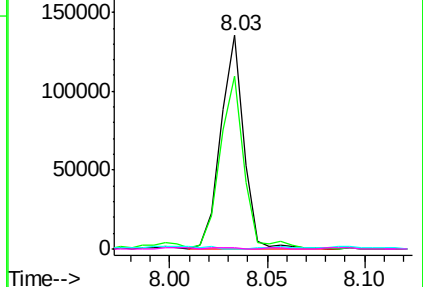


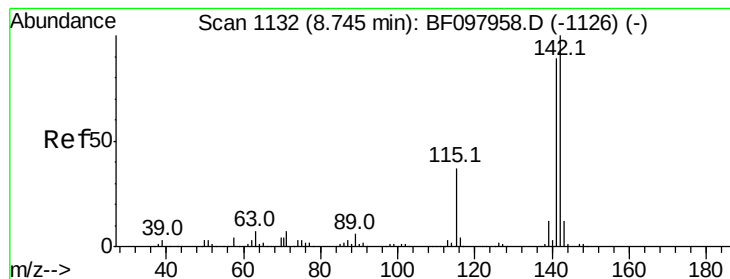
Abundance Ion 127.00 (126.70 to 127.70): E

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

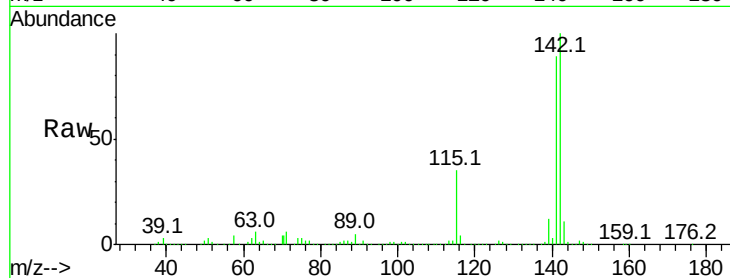




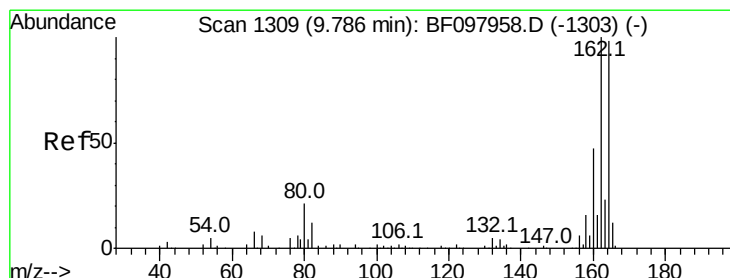
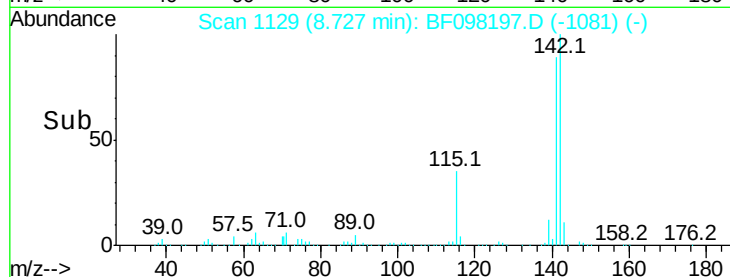
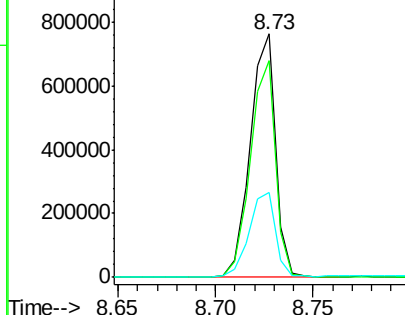
#37
 2-Methylnaphthalene
 Concen: 62.792 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9
115	34.8	27.1	40.7

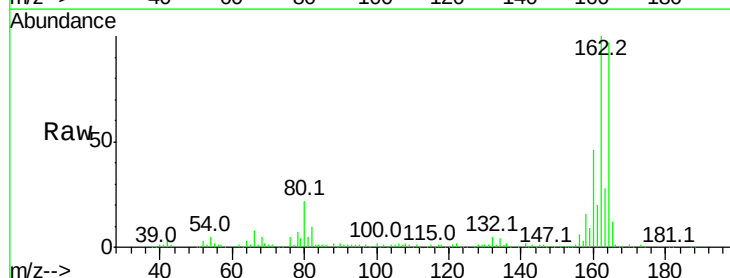


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

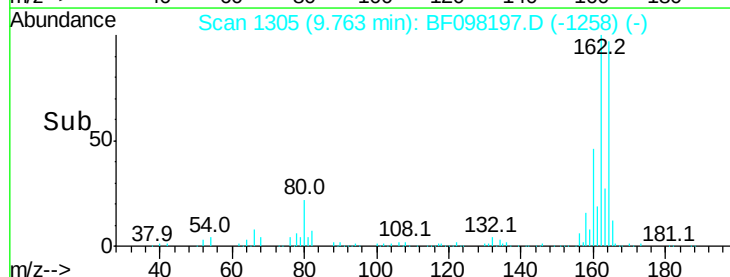
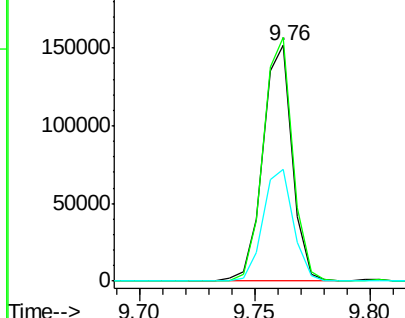


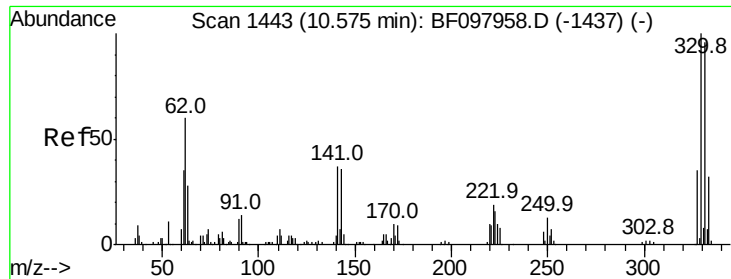
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	47.6	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

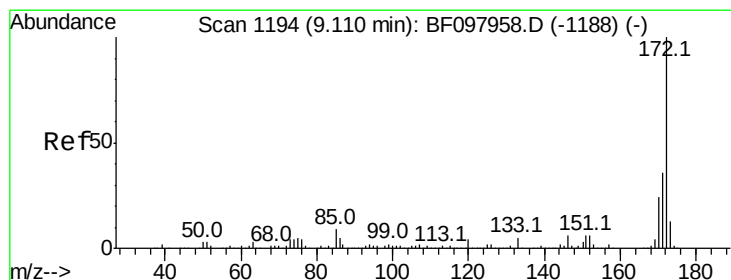
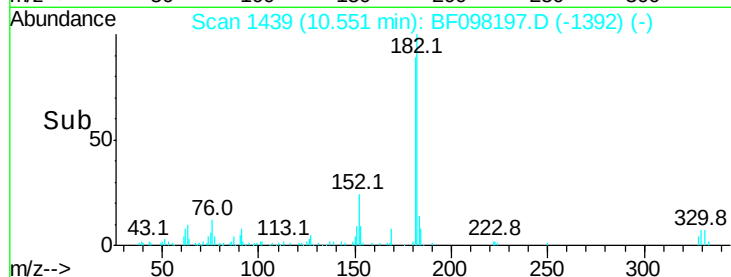
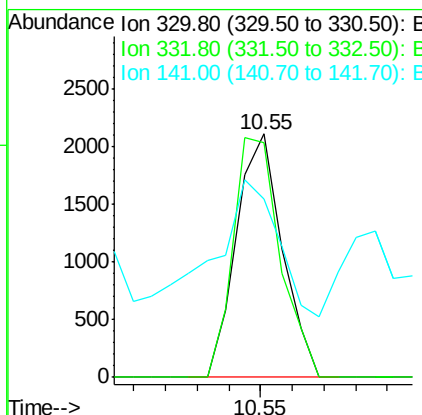
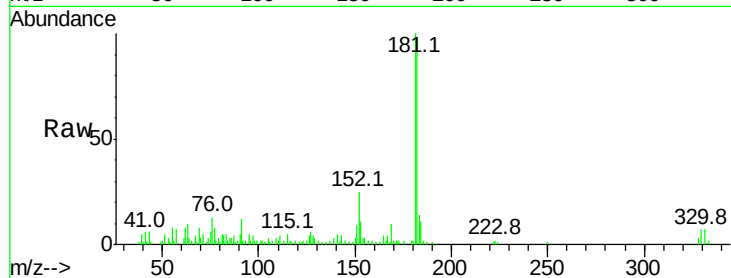




#41
 2,4,6-Tribromophenol
 Concen: 1.801 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

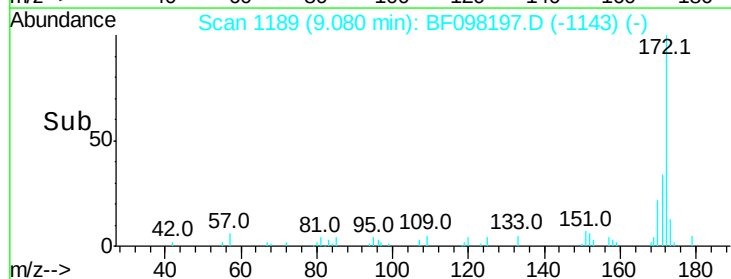
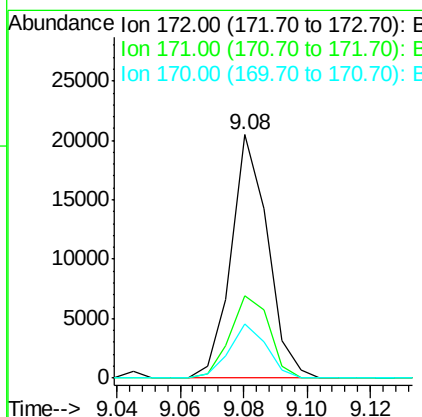
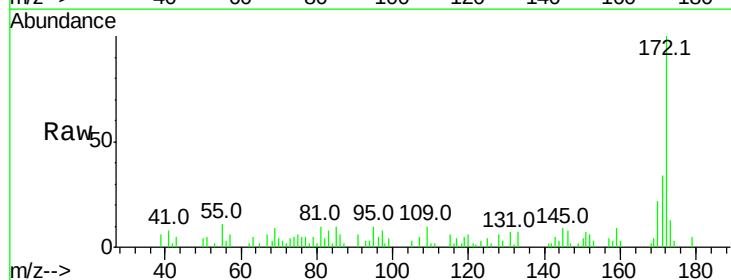
Instrument :
 BNA_F
 ClientSampled :

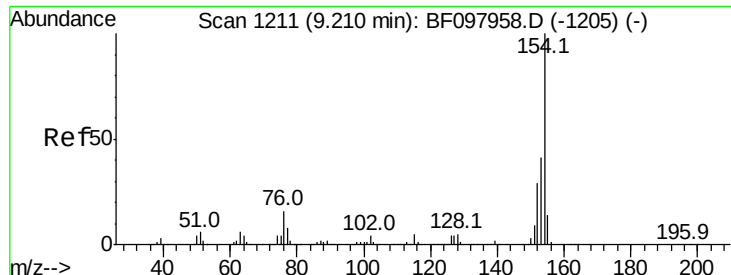
Tot Ion:330 Resp: 2107
 Ion Ratio Lower Upper
 330 100
 332 100.7 76.6 115.0
 141 77.0 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 1.774 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion:172 Resp: 16284
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.6 44.4
 170 22.3 19.8 29.8

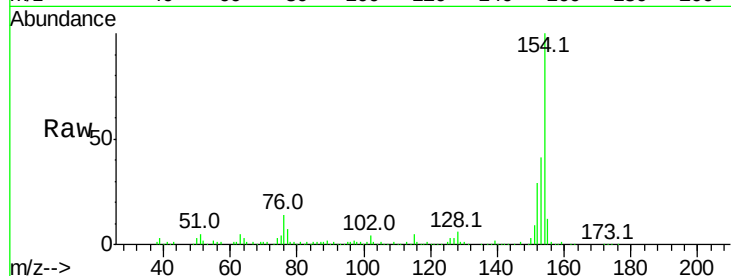




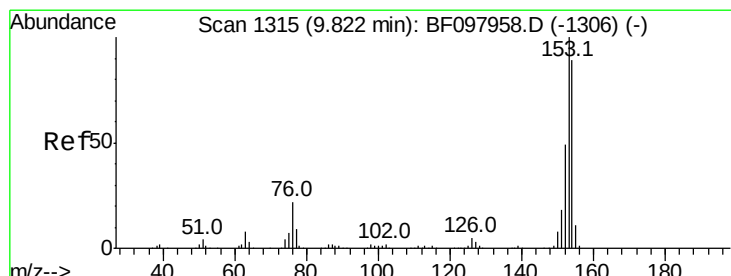
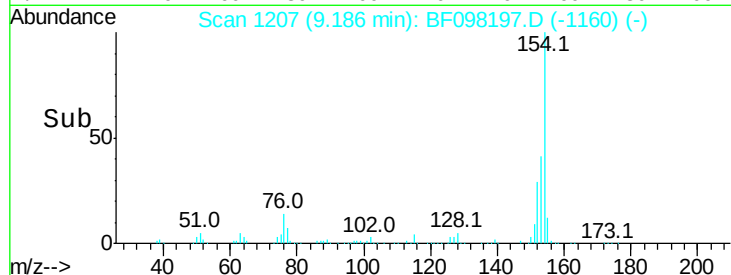
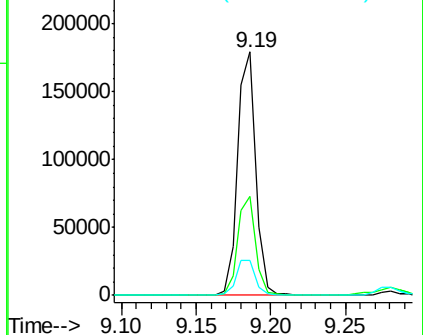
#45
 1,1'-Biphenyl
 Concen: 12.509 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	154	Resp:	153832
Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.2	61.2
76	14.4	0.0	29.9

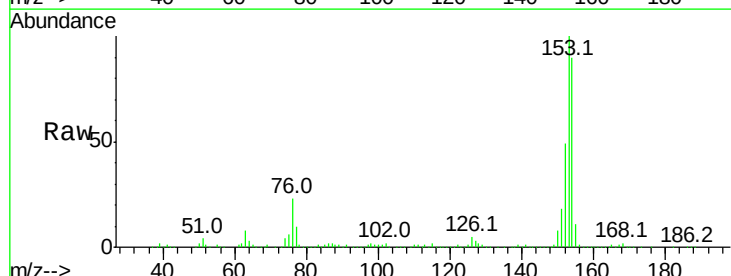


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

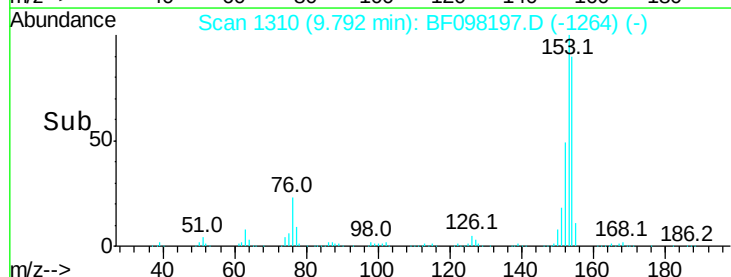
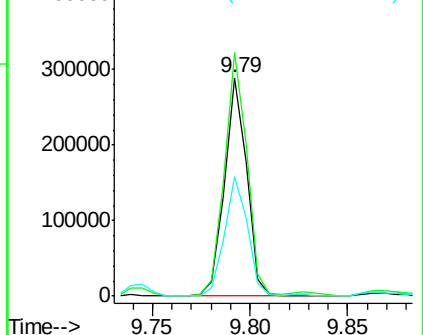


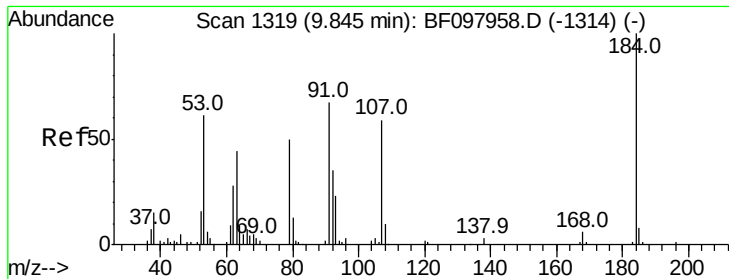
#51
 Acenaphthene
 Concen: 25.277 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.03 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion:	154	Resp:	227468
Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.5	135.7
152	55.0	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

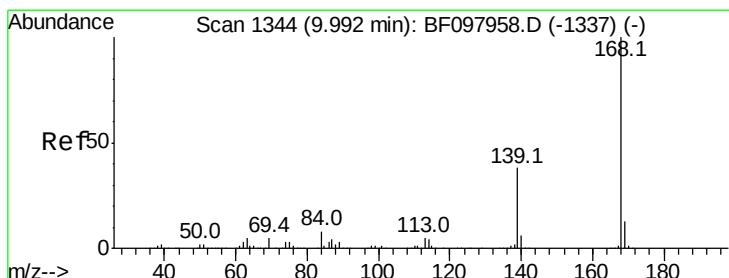
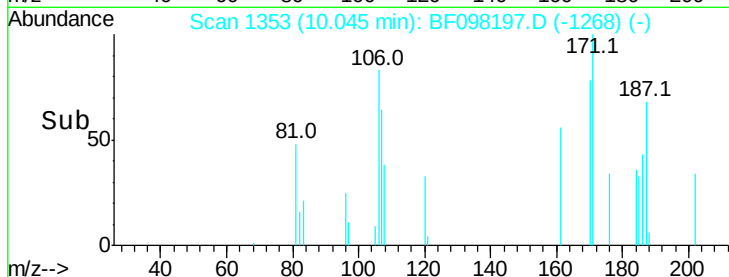
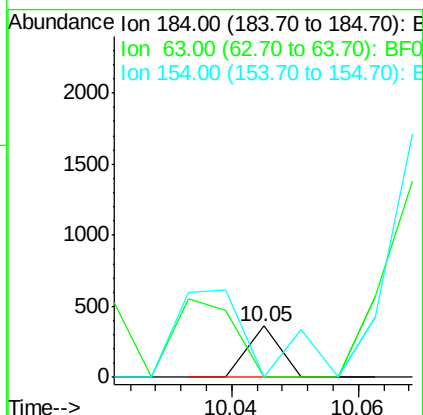
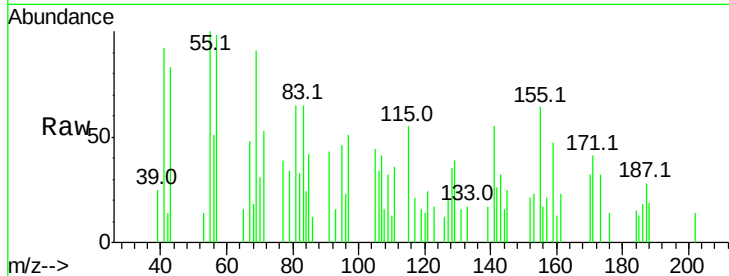




#53
2,4-Dinitrophenol
Concen: 10.260 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.20 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

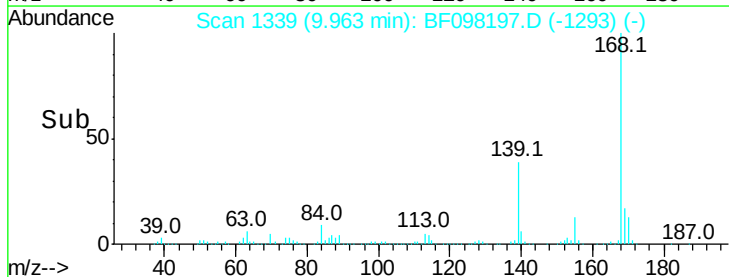
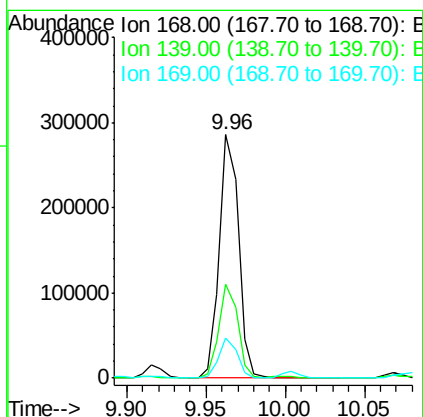
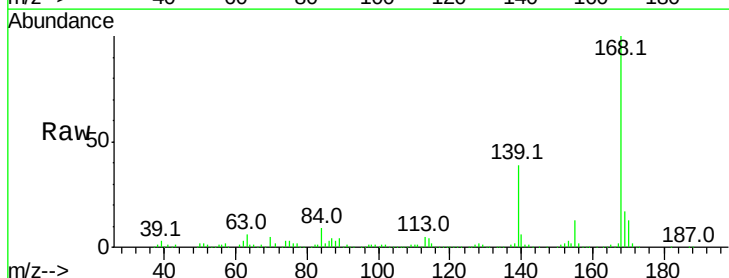
Instrument :
BNA_F
ClientSampleId :

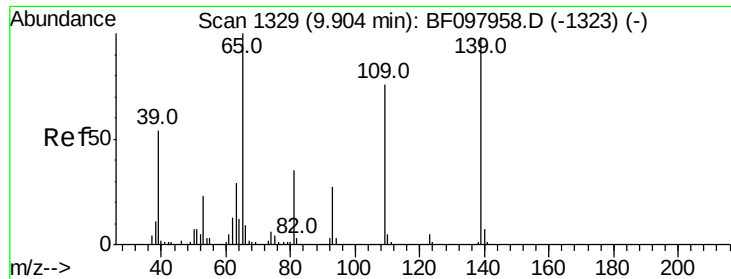
Tot Ion:184 Resp: 127
Ion Ratio Lower Upper
184 100
63 0.0 62.7 94.1#
154 0.0 81.1 121.7#



#54
Dibenzofuran
Concen: 20.112 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Tgt Ion:168 Resp: 242566
Ion Ratio Lower Upper
168 100
139 38.5 30.6 45.8
169 16.5 10.8 16.2#

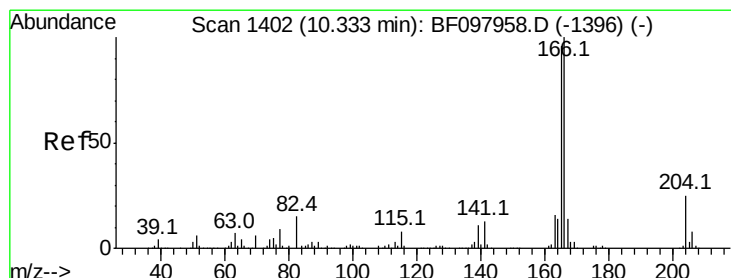
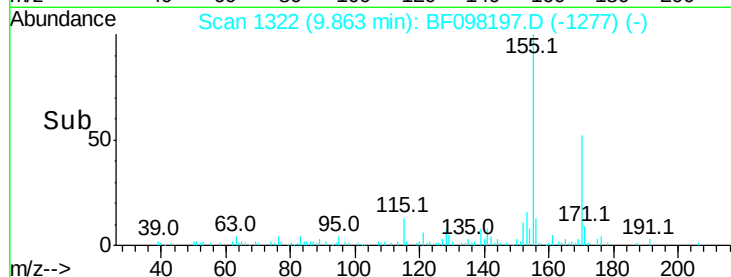
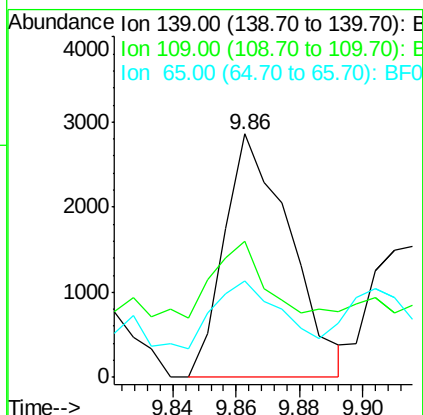
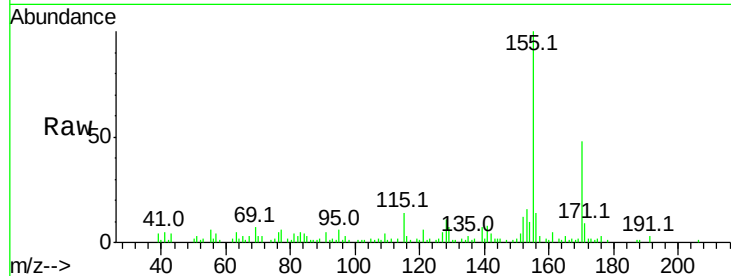




#55
4-Nitrophenol
Concen: 2.029 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.04 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

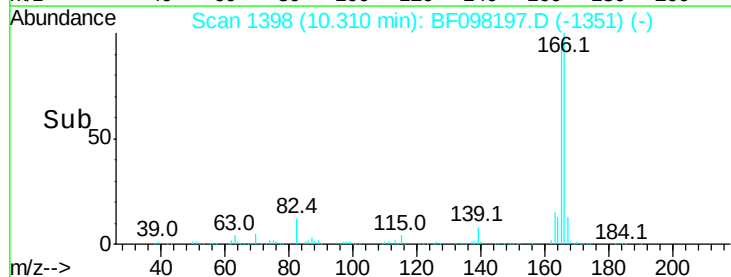
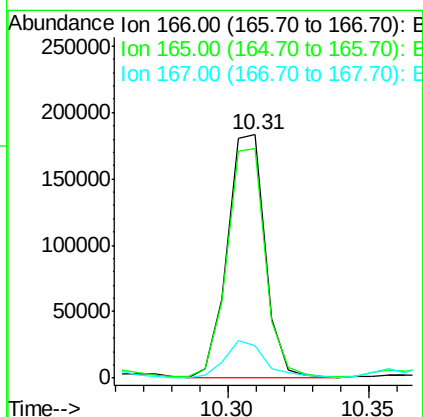
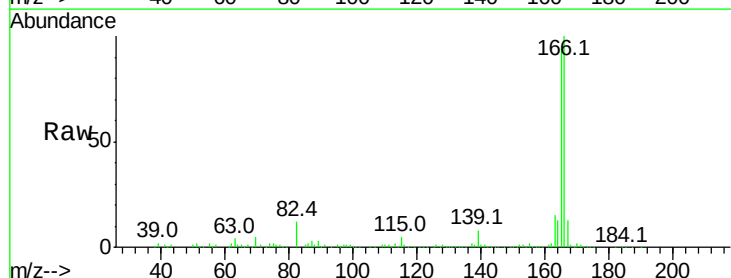
Instrument :
BNA_F
ClientSampleId :

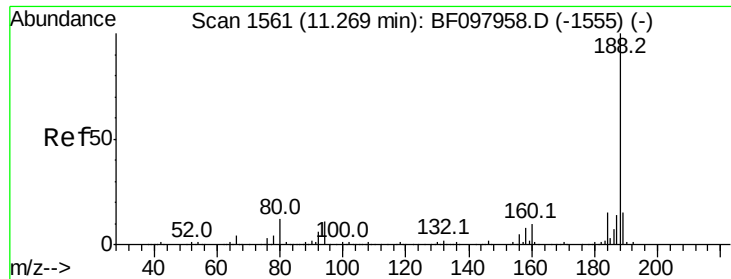
Tot Ion:139 Resp: 4109
Ion Ratio Lower Upper
139 100
109 55.7 34.1 74.1
65 39.5 31.4 71.4



#57
Fluorene
Concen: 18.159 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Tgt Ion:166 Resp: 169325
Ion Ratio Lower Upper
166 100
165 94.3 78.8 118.2
167 13.5 10.6 16.0

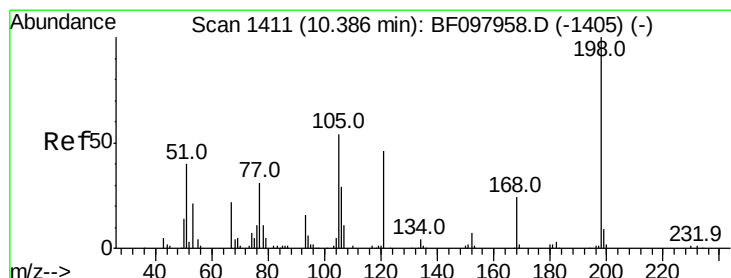
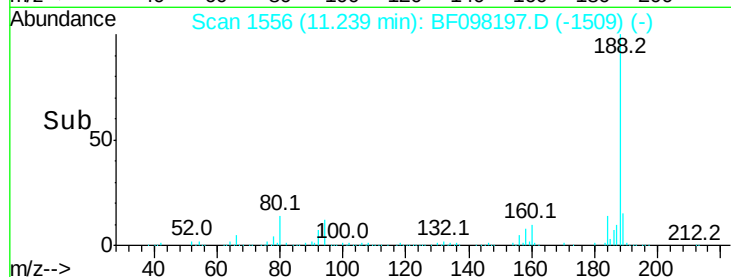
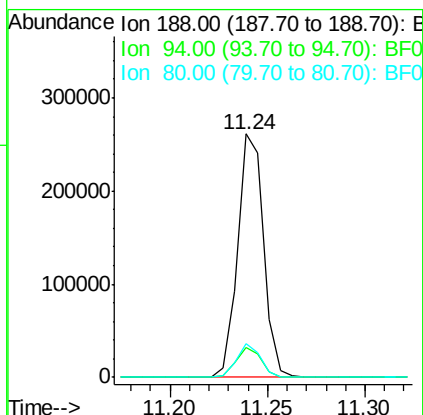
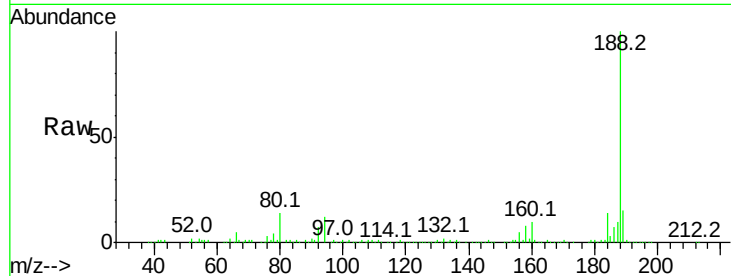




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

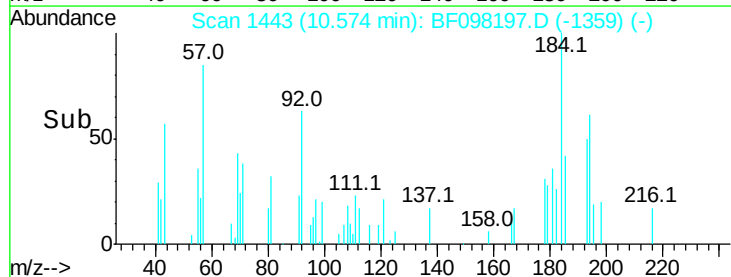
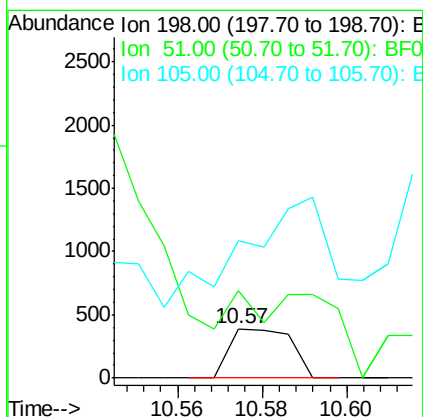
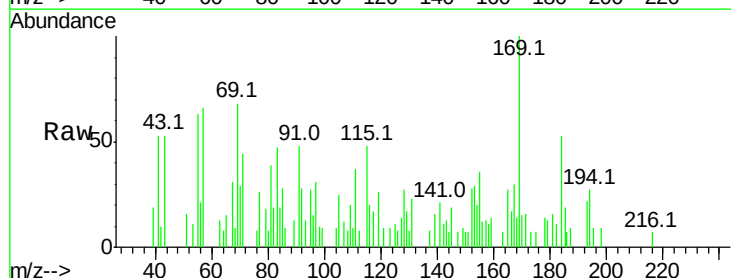
Instrument :
BNA_F
ClientSampleId :

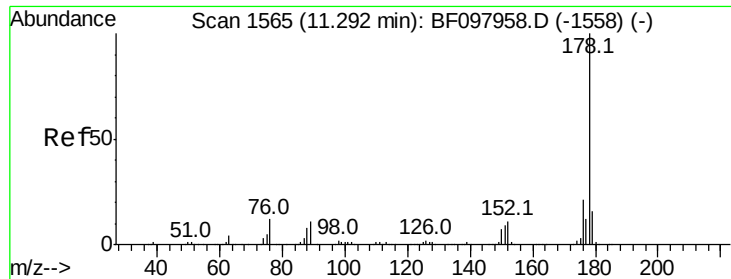
Tot Ion:188 Resp: 239065
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 13.8 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.611 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.19 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Tgt Ion:198 Resp: 396
Ion Ratio Lower Upper
198 100
51 177.2 53.2 93.2#
105 277.7 45.8 85.8#

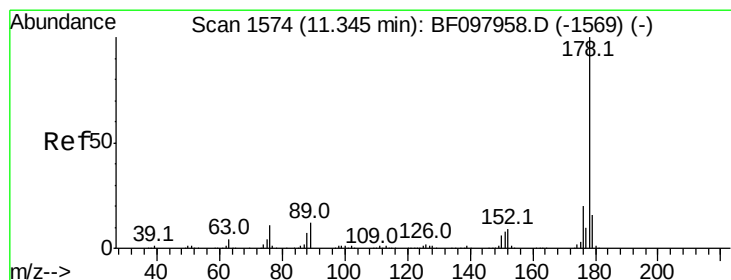
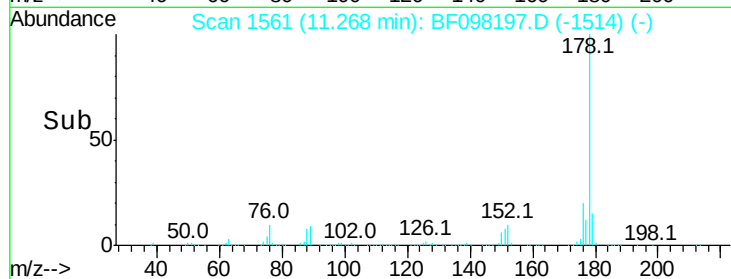
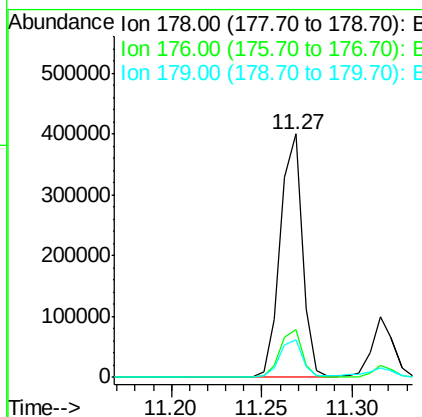
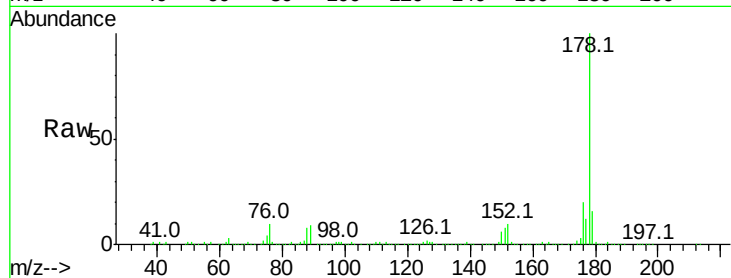




#70
 Phenanthrene
 Concen: 26.848 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

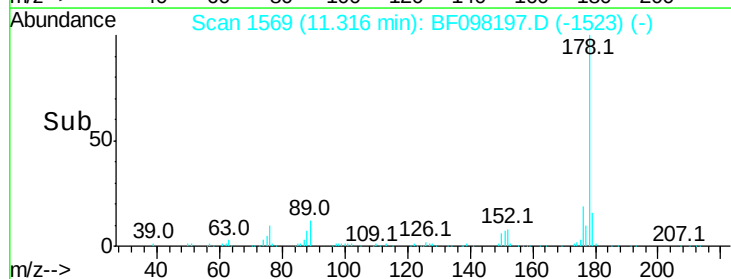
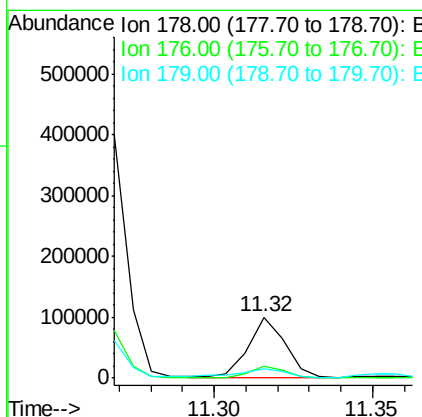
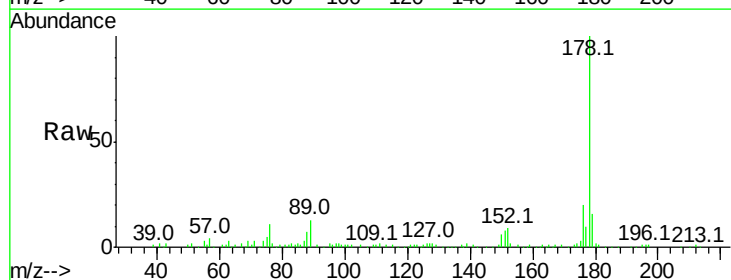
Instrument :
 BNA_F
 ClientSampleId :

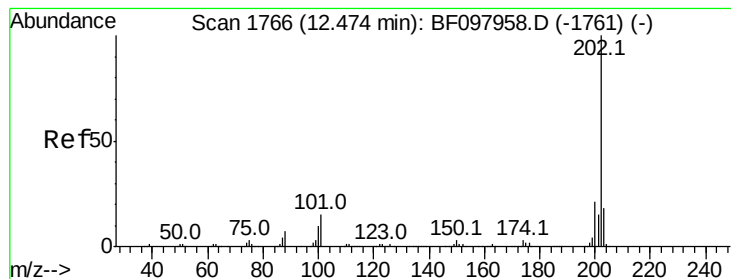
Tot Ion:178 Resp: 342025
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 15.6 12.6 19.0



#71
 Anthracene
 Concen: 6.165 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion:178 Resp: 79652
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 16.4 12.7 19.1





#74

Fluoranthene

Concen: 7.249 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098197.D

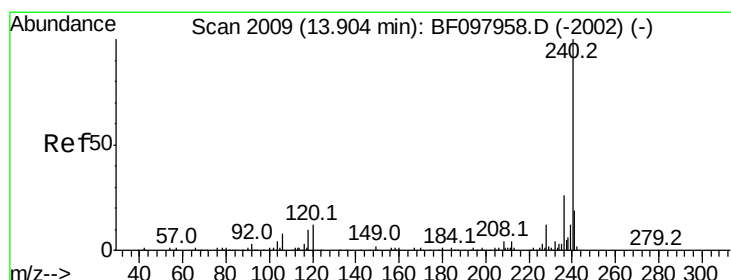
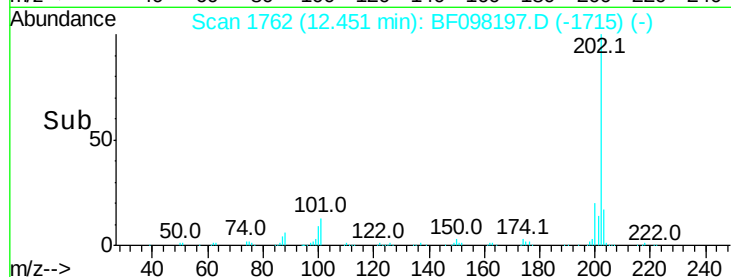
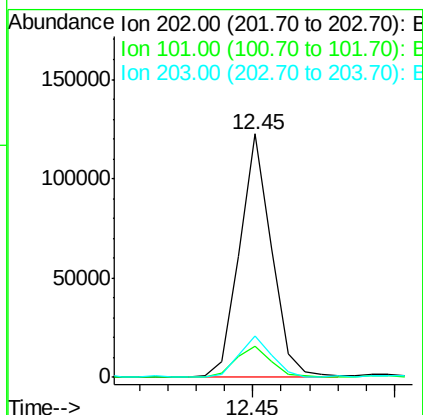
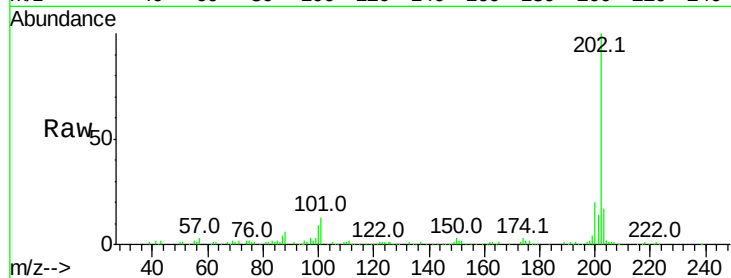
Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	96389
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.2	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

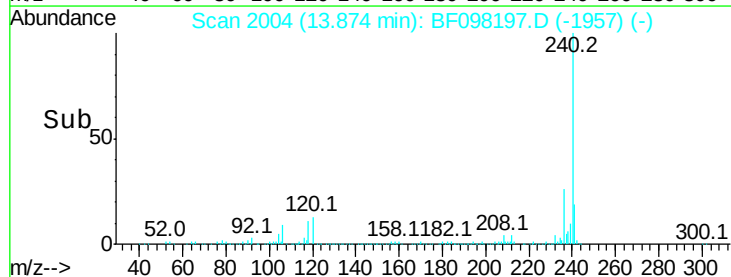
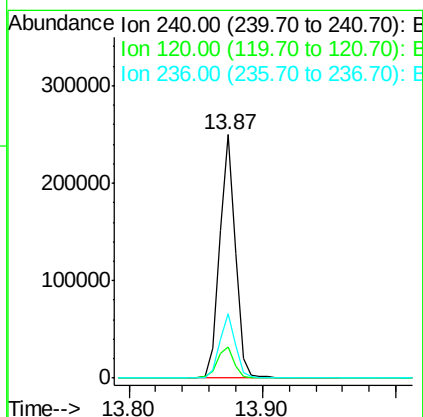
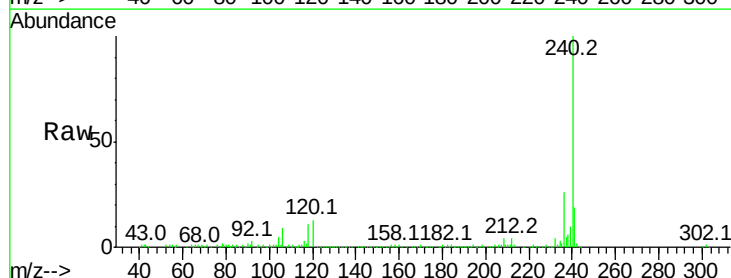
RT: 13.87 min Scan# 2004

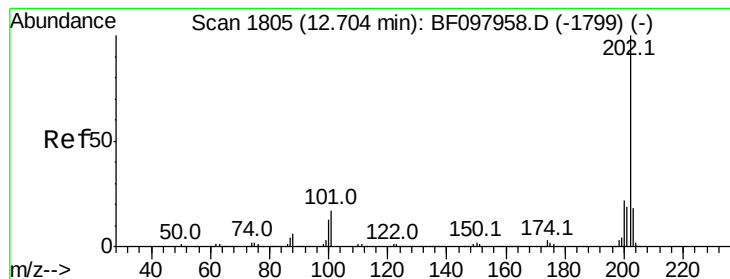
Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Tgt Ion:	240	Resp:	209405
Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	26.4	20.5	30.7





#77

Pvrene

Concen: 4.291 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampled :

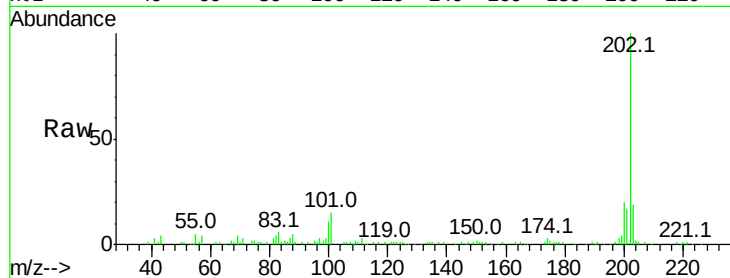
Tot Ion:202 Resp: 73498

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

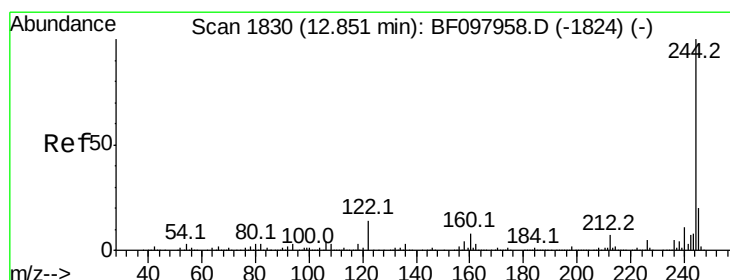
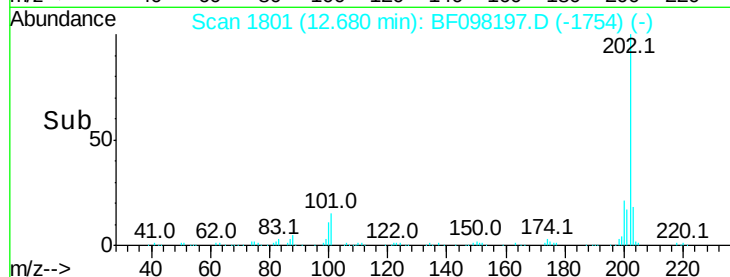
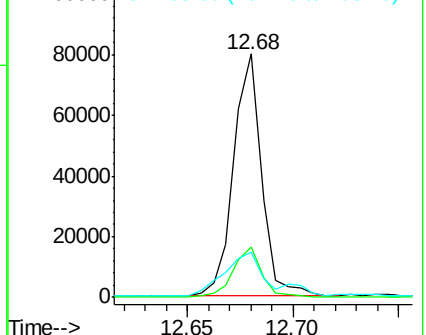
203 18.8 14.4 21.6



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: 1.297 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

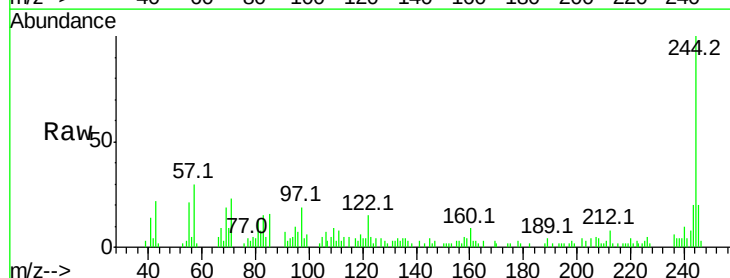
Tgt Ion:244 Resp: 13022

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

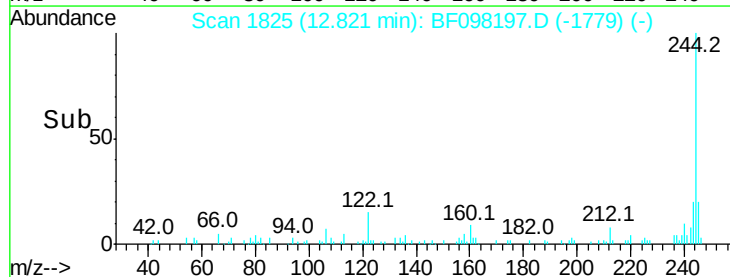
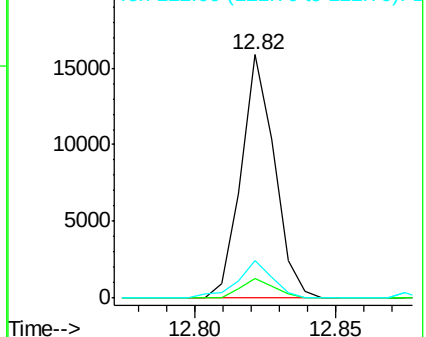
122 15.4 10.3 15.5

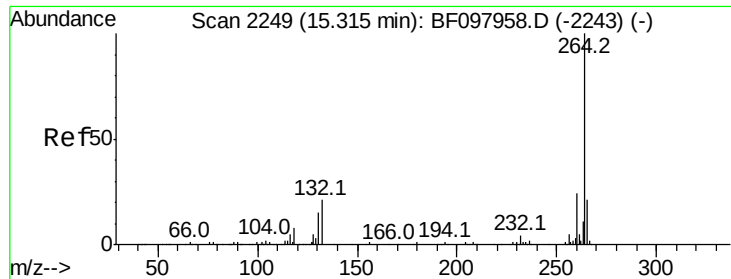


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

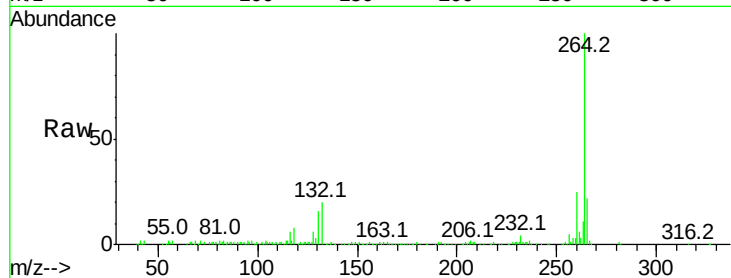




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.7	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

