

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
 Data File : BF106558.D
 Acq On : 19 Jun 2018 1:02
 Operator : JU/SJ
 Sample : J3564-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 19 08:25:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	101760	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	331575	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	130265	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	184067	20.00	ng	0.01
75) Chrysene-d12	14.17	240	294140	20.00	ng	0.01
86) Perylene-d12	15.71	264	249733	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	387835	64.51	ng	0.00
7) Phenol-d6	6.62	99	291030	38.31	ng	0.00
23) Nitrobenzene-d5	7.53	82	569360	101.02	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	191885	153.09	ng	0.02
44) 2-Fluorobiphenyl	9.32	172	848646	141.43	ng	0.00
78) Terphenyl-d14	13.11	244	855349	72.23	ng	0.02

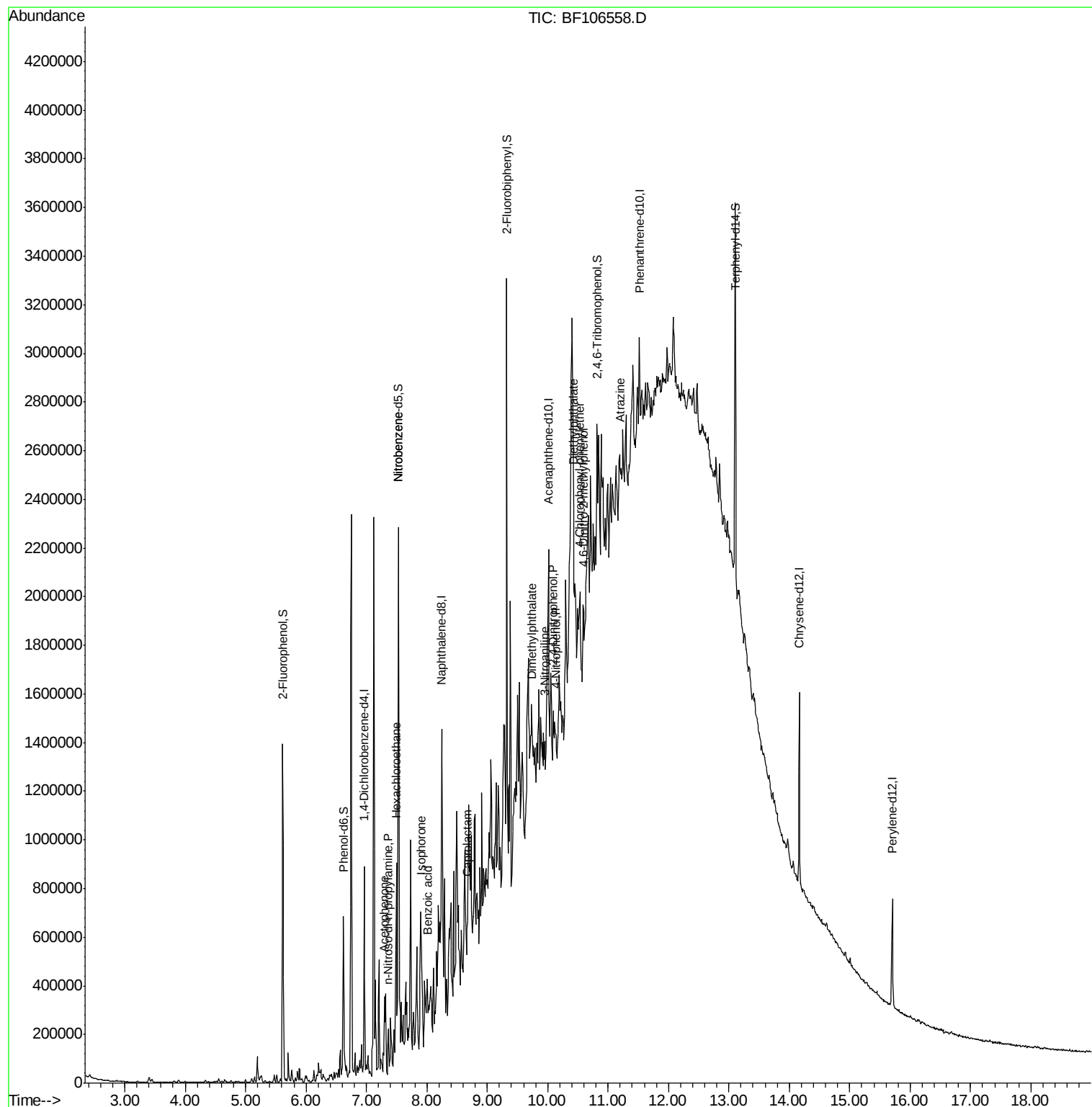
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.50	117	68260	24.808	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	18529	3.251	ng	# 59
22) Acetophenone	7.30	105	59183	7.083	ng	# 70
24) Nitrobenzene	7.54	77	17188	2.806	ng	# 18
25) Isophorone	7.91	82	48121	4.371	ng	# 53
32) Benzoic acid	8.00	122	137	7.323	ng	# 1
35) Caprolactam	8.67	113	3788	2.491	ng	# 1
49) Dimethylphthalate	9.72	163	30841	3.314	ng	# 37
52) 3-Nitroaniline	9.95	138	13325	5.906	ng	# 6
53) 2,4-Dinitrophenol	10.09	184	139	8.756	ng	# 1
55) 4-Nitrophenol	10.14	139	3731	2.157	ng	# 1
59) Diethylphthalate	10.43	149	43227	4.680	ng	# 43
60) 4-Chlorophenyl-phenylether	10.54	204	14329	3.199	ng	# 76
64) 4,6-Dinitro-2-methylphenol	10.60	198	349	6.600	ng	# 1
68) Atrazine	11.21	200	5314	2.787	ng	# 1

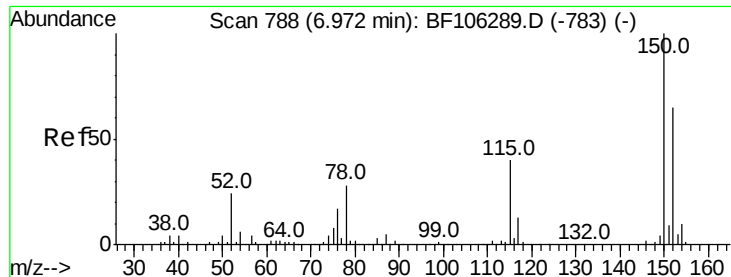
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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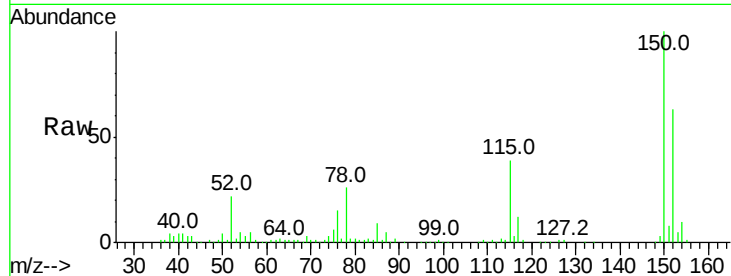


#1

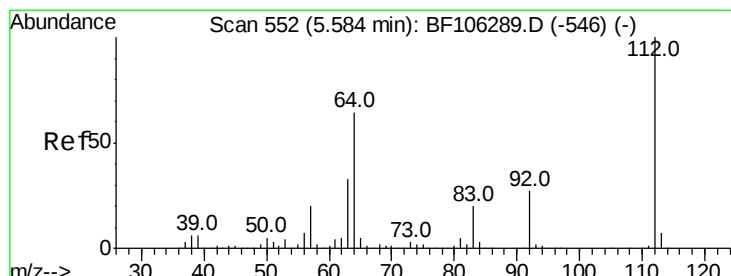
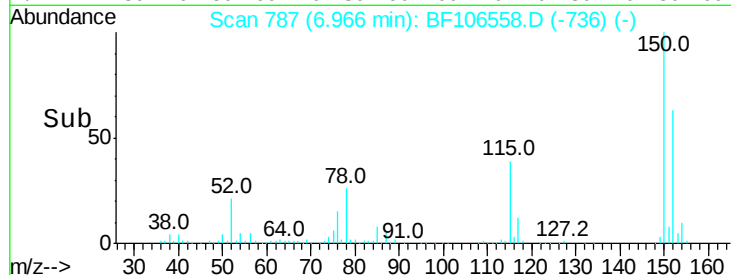
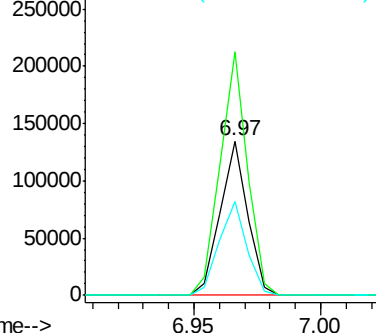
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 101760
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 61.3 50.1 75.1



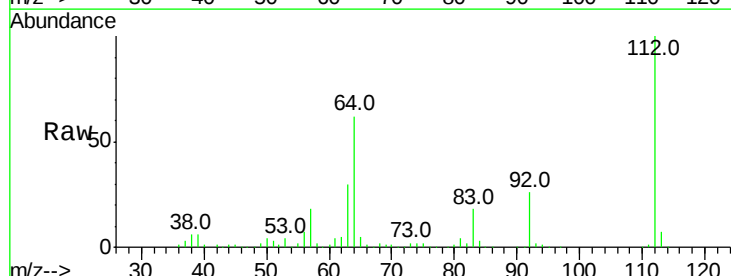
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



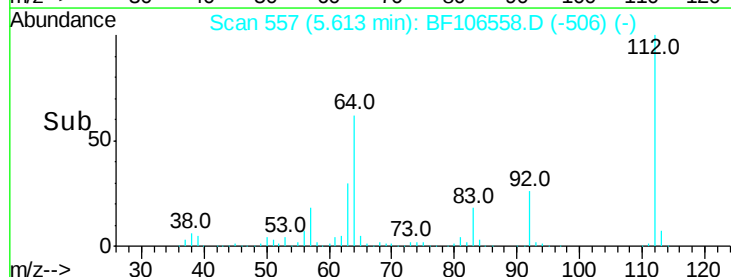
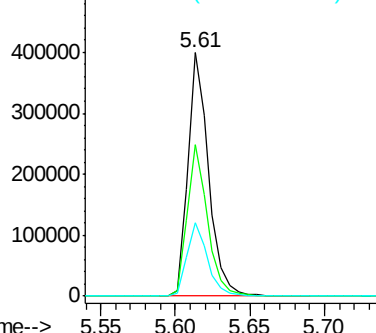
#5

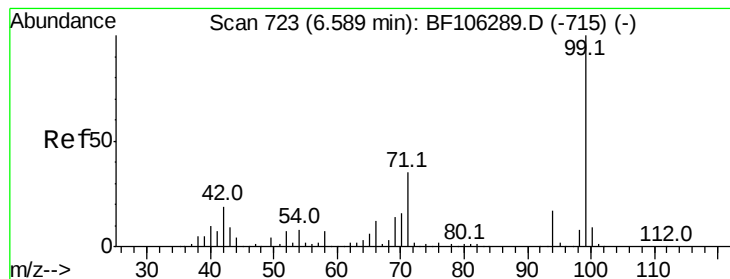
2-Fluorophenol
Concen: 64.506 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion:112 Resp: 387835
Ion Ratio Lower Upper
112 100
64 62.1 47.9 71.9
63 30.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 38.313 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF106558.D

Acq: 19 Jun 2018 1:02

Instrument :

BNA_F

ClientSampleId :

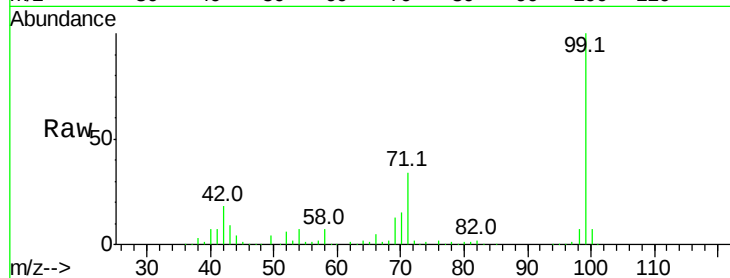
Tot Ion: 99 Resp: 291030

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

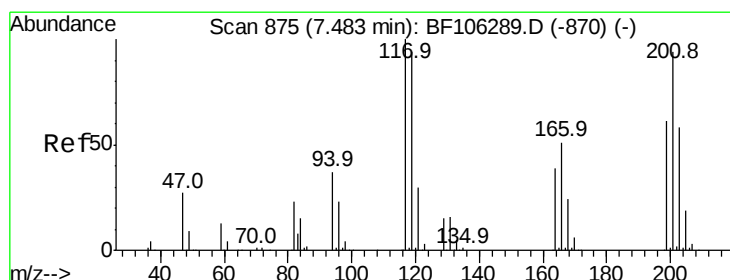
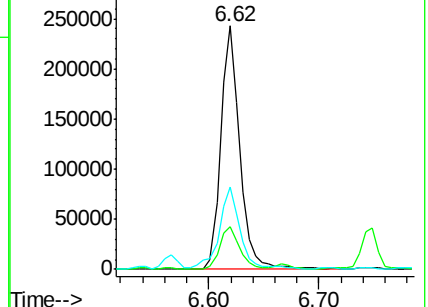
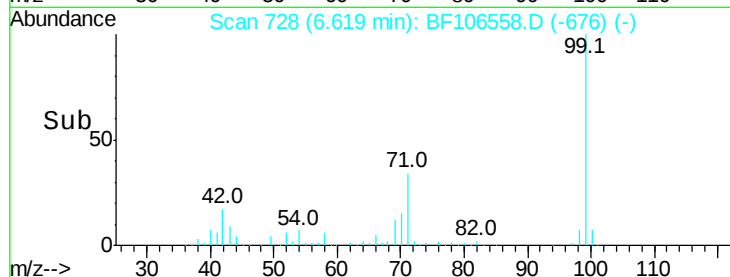
71 33.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#18

Hexachloroethane

Concen: 24.808 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF106558.D

Acq: 19 Jun 2018 1:02

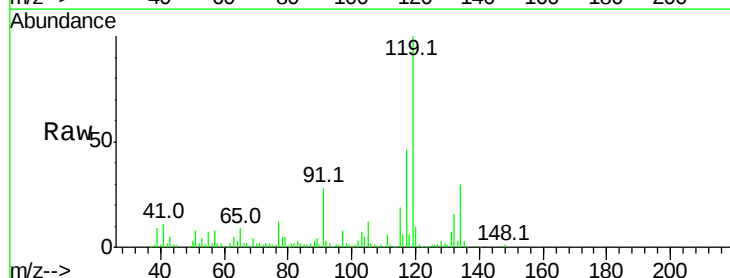
Tgt Ion: 117 Resp: 68260

Ion Ratio Lower Upper

117 100

119 217.2 75.8 113.8#

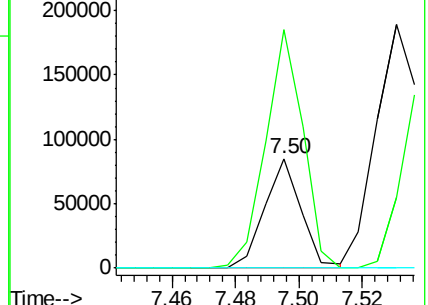
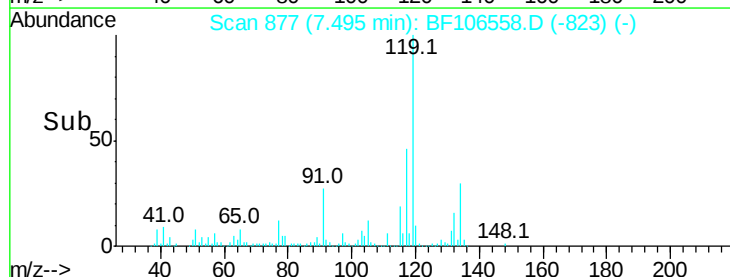
201 0.0 75.7 113.5#

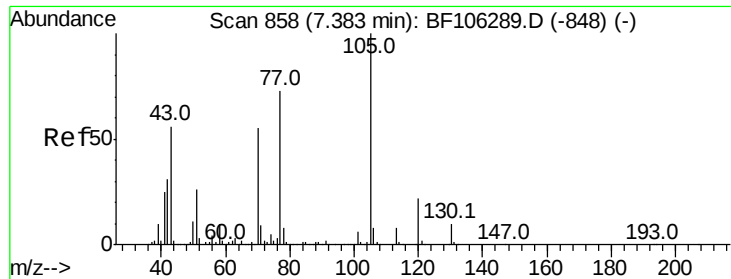


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 3.251 ng

RT: 7.36 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF106558.D

Acq: 19 Jun 2018 1:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 18529

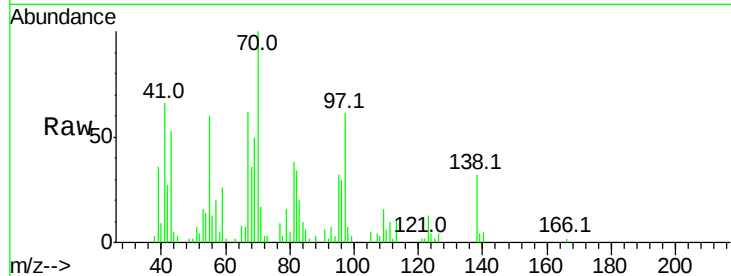
Ion Ratio Lower Upper

70 100

42 27.4 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

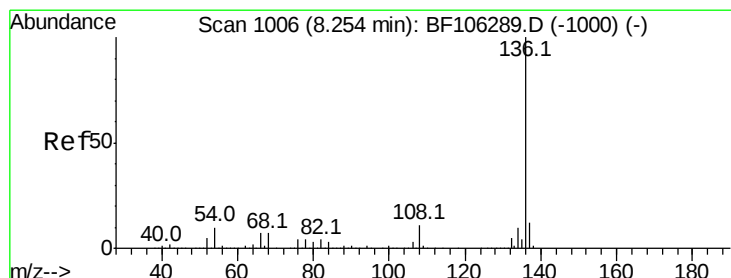
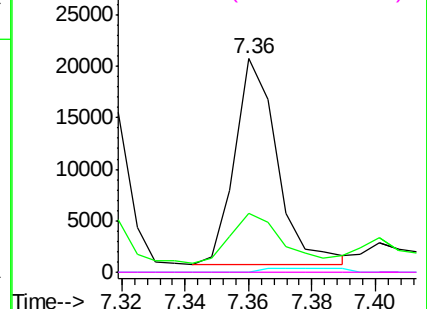
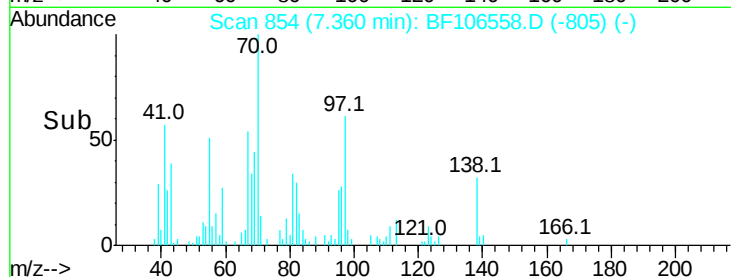


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF106558.D

Acq: 19 Jun 2018 1:02

Tgt Ion:136 Resp: 331575

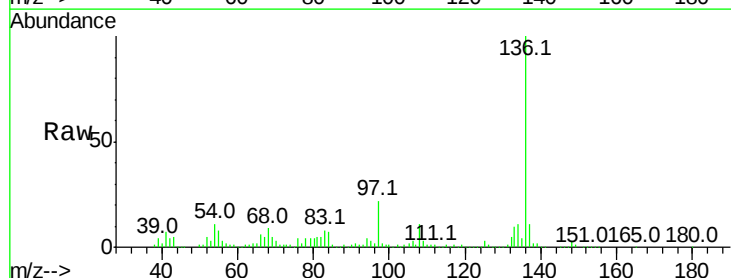
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.7 6.6 9.8#

68 8.7 5.0 7.4#

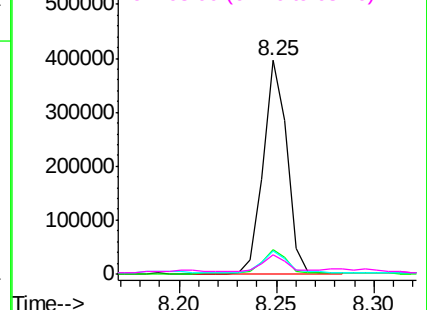
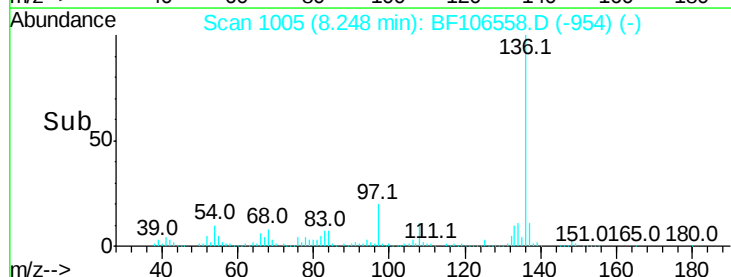


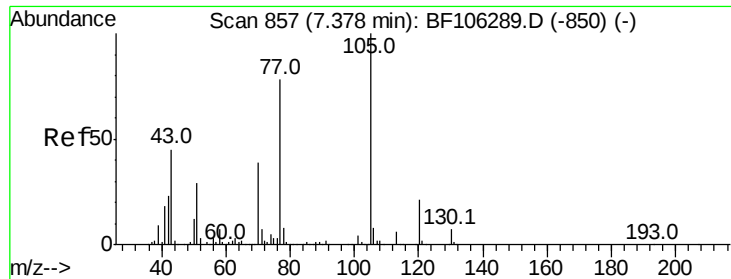
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

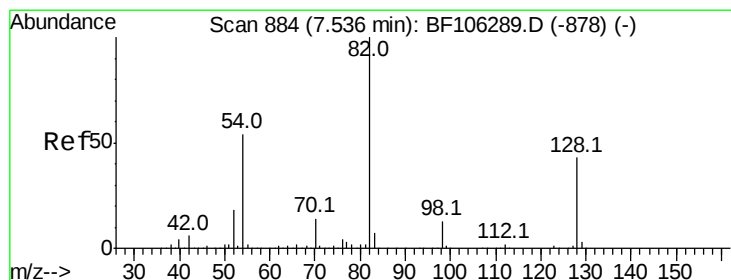
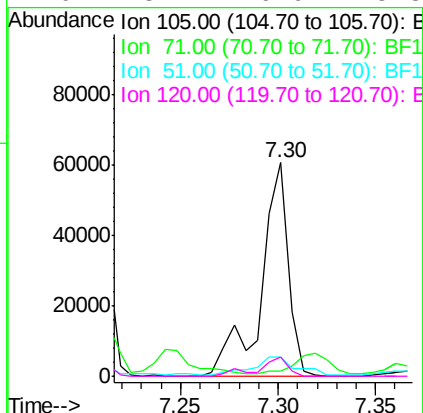
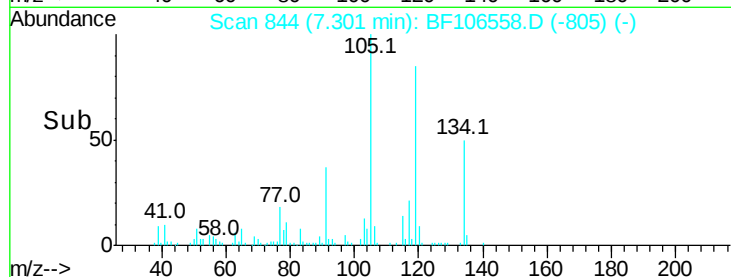
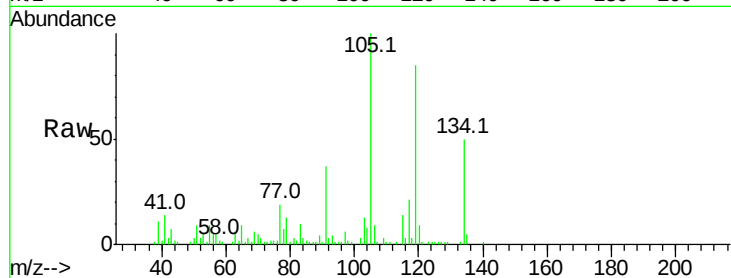




#22
Acetophenone
Concen: 7.083 ng
RT: 7.30 min Scan# 844
Delta R.T. -0.07 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

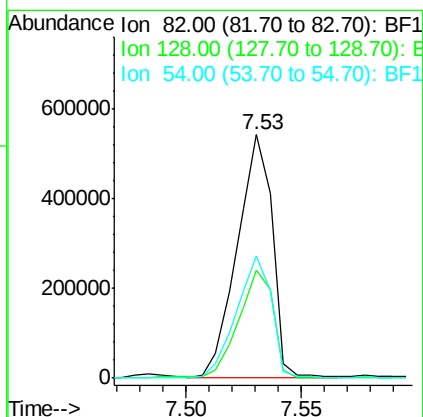
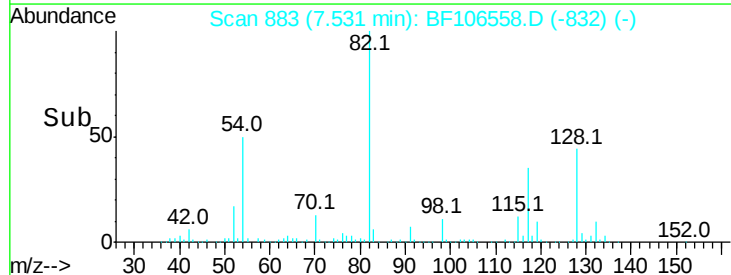
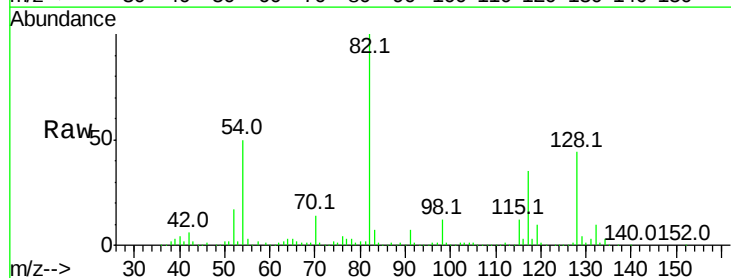
Instrument :
BNA_F
ClientSampled :

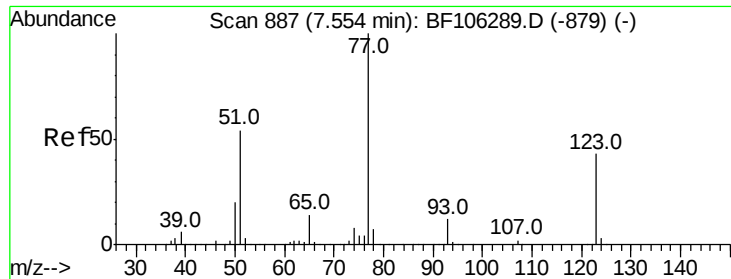
Tot Ion:105 Resp: 59183
Ion Ratio Lower Upper
105 100
71 2.6 4.4 6.6#
51 8.9 22.3 33.5#
120 8.7 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 101.017 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion: 82 Resp: 569360
Ion Ratio Lower Upper
82 100
128 44.2 36.1 54.1
54 50.3 41.4 62.2

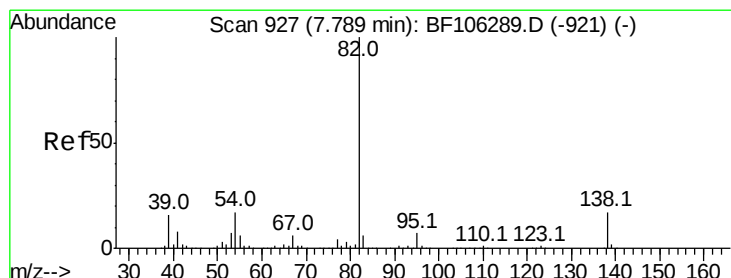
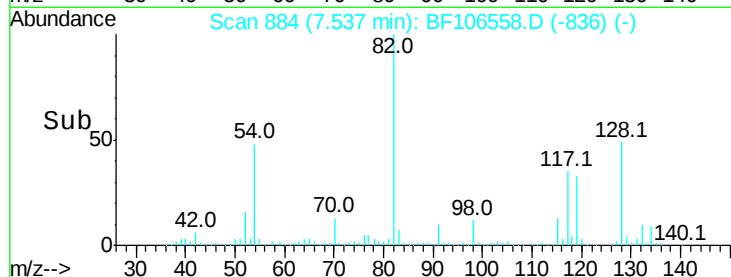
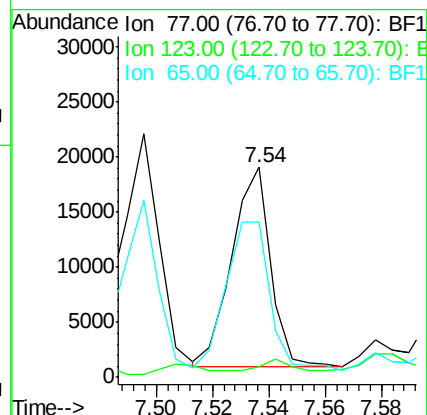
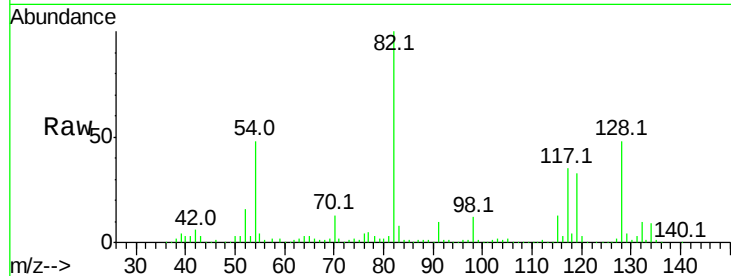




#24
Nitrobenzene
Concen: 2.806 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

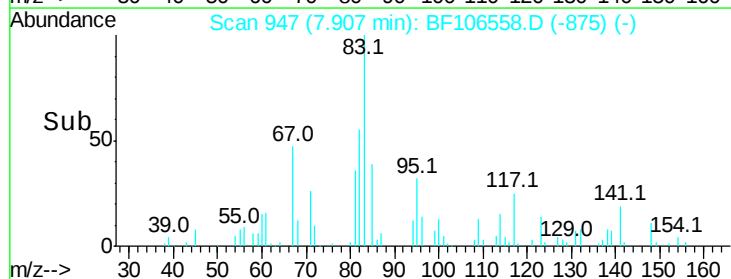
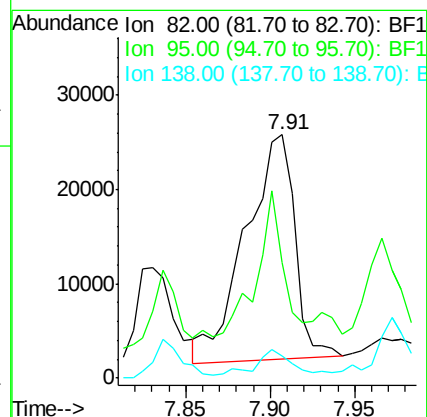
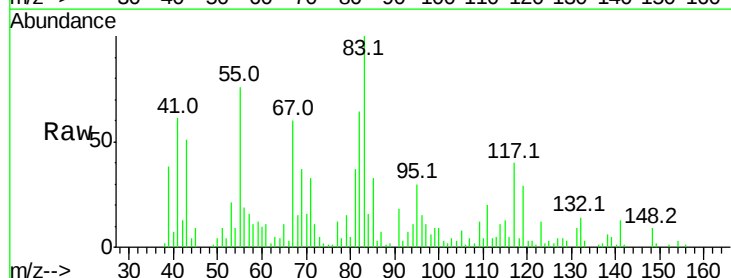
Instrument :
BNA_F
ClientSampled :

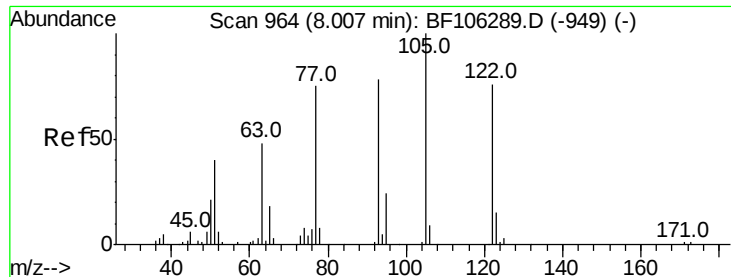
Tot Ion: 77 Resp: 17188
Ion Ratio Lower Upper
77 100
123 5.1 37.9 56.9#
65 73.6 11.0 16.4#



#25
Isophorone
Concen: 4.371 ng
RT: 7.91 min Scan# 947
Delta R.T. 0.12 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion: 82 Resp: 48121
Ion Ratio Lower Upper
82 100
95 47.6 5.2 7.8#
138 9.3 14.9 22.3#

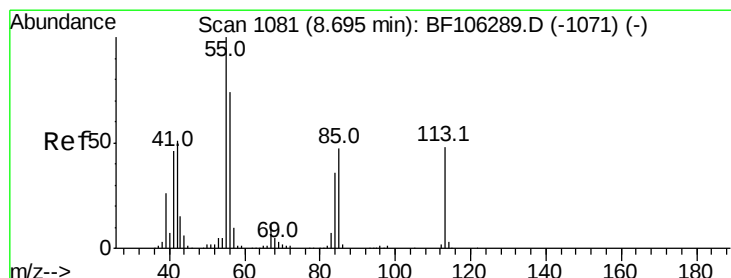
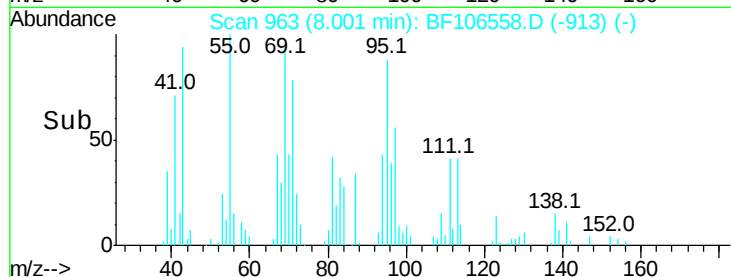
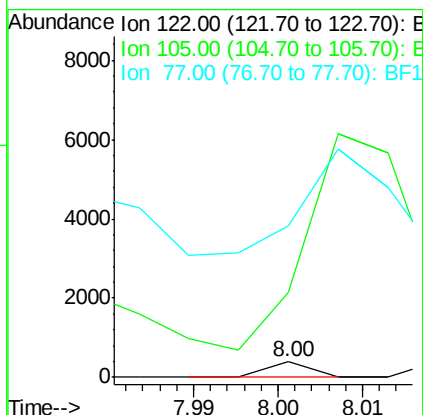
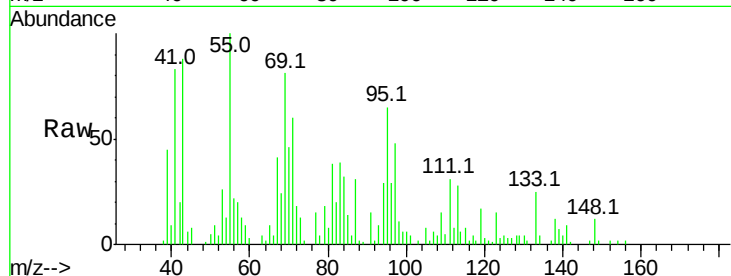




#32
Benzoic acid
Concen: 7.323 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

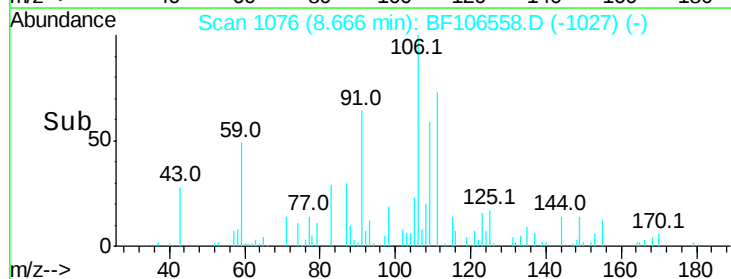
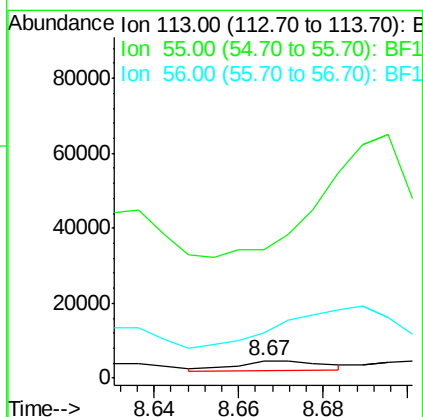
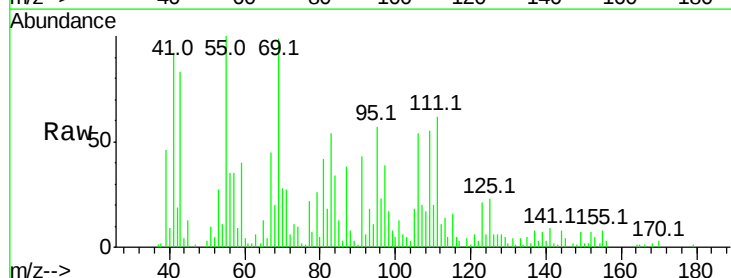
Instrument :
BNA_F
ClientSampleId :

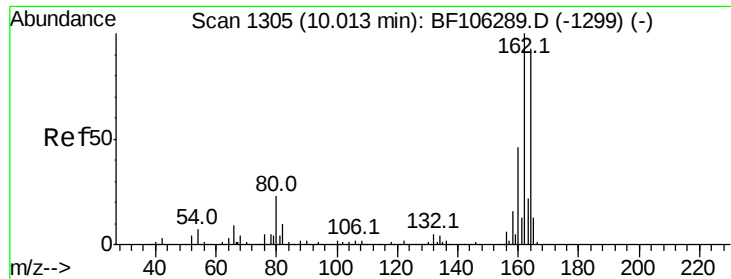
Tot Ion:122 Resp: 137
Ion Ratio Lower Upper
122 100
105 551.9 101.1 141.1#
77 985.6 70.7 110.7#



#35
Caprolactam
Concen: 2.491 ng
RT: 8.67 min Scan# 1076
Delta R.T. -0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion:113 Resp: 3788
Ion Ratio Lower Upper
113 100
55 732.6 163.3 203.3#
56 259.2 115.7 155.7#

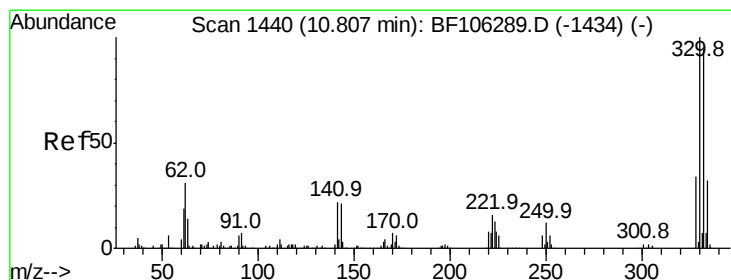
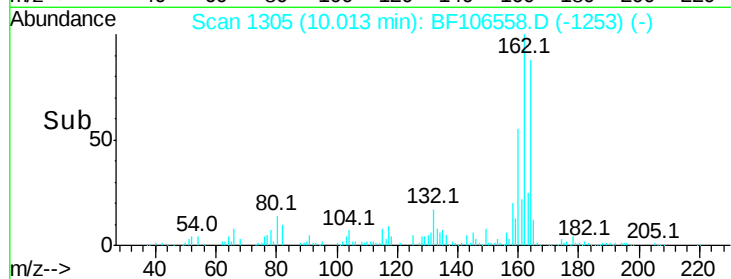
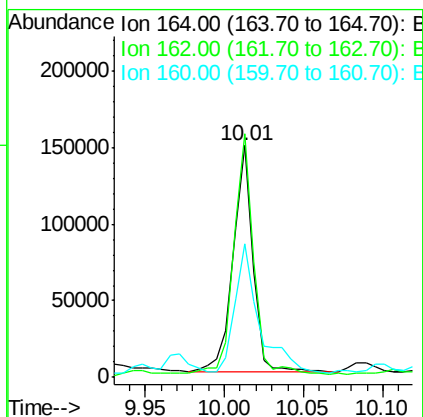
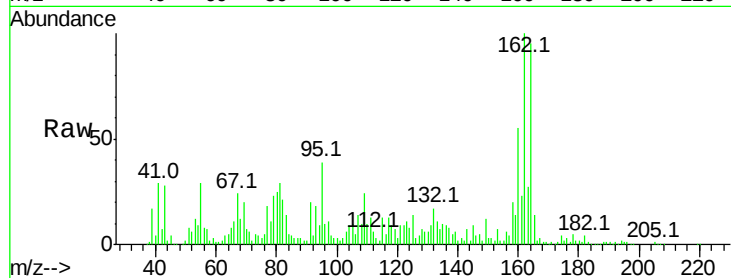




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

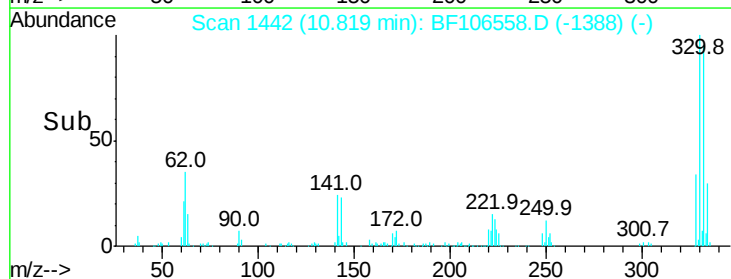
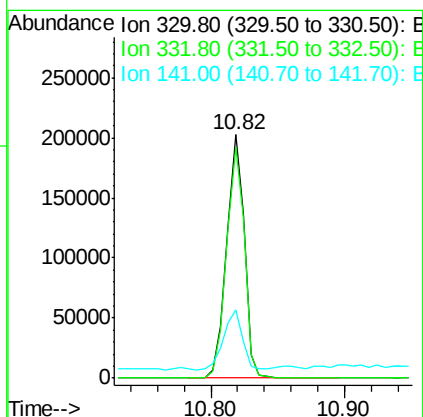
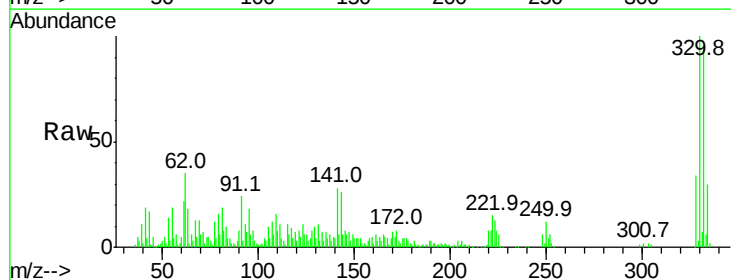
Instrument :
BNA_F
ClientSampleId :

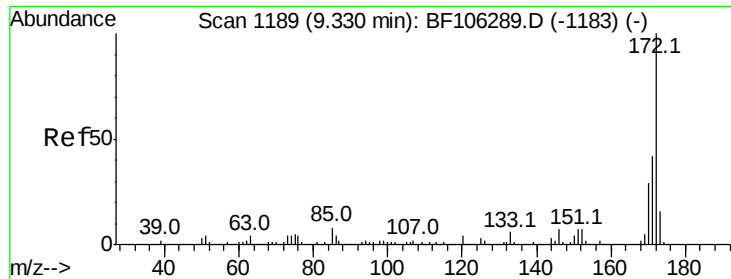
Tot Ion:164 Resp: 130265
Ion Ratio Lower Upper
164 100
162 105.1 86.1 129.1
160 57.6 38.3 57.5#



#41
2,4,6-Tribromophenol
Concen: 153.095 ng
RT: 10.82 min Scan# 1442
Delta R.T. 0.02 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion:330 Resp: 191885
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 26.0 29.9 44.9#

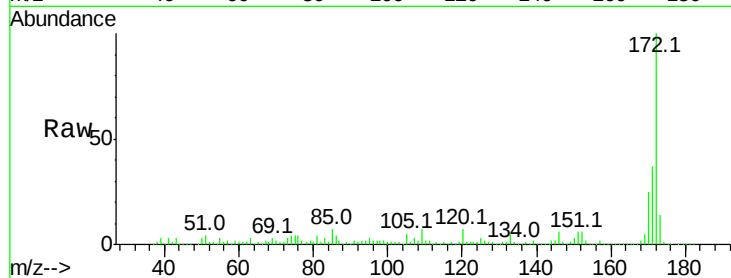




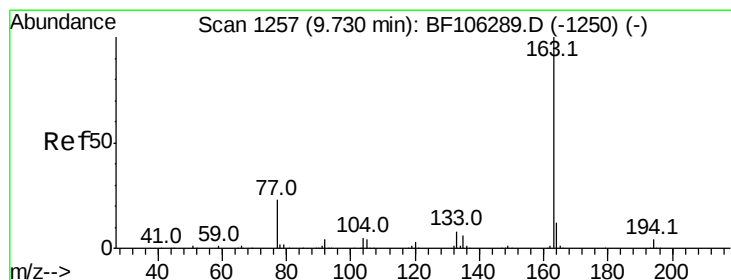
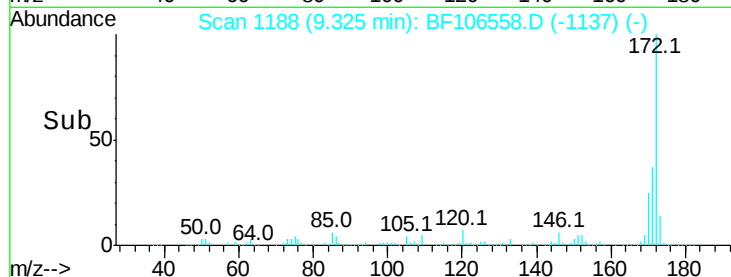
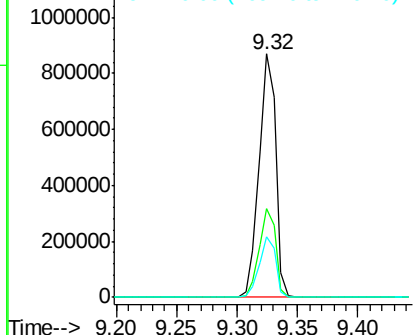
#44
2-Fluorobiphenyl
Concen: 141.428 ng
RT: 9.32 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 848646
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 25.0 19.6 29.4

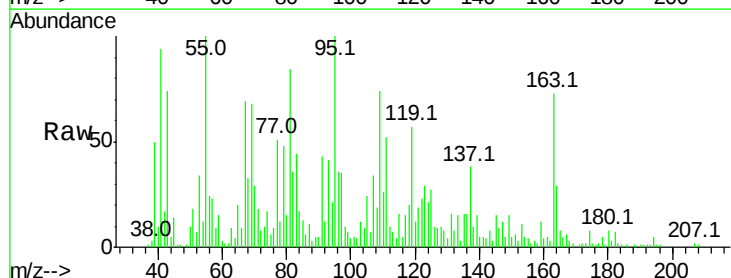


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

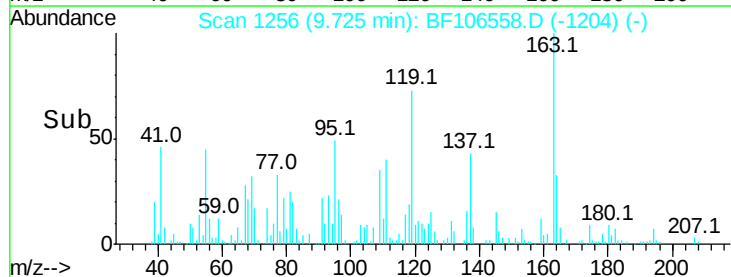
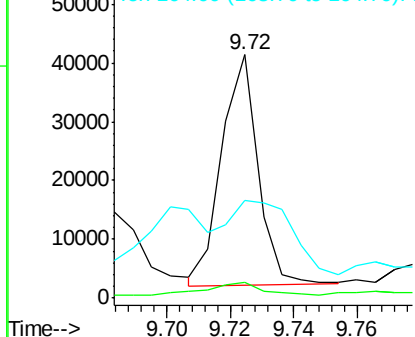


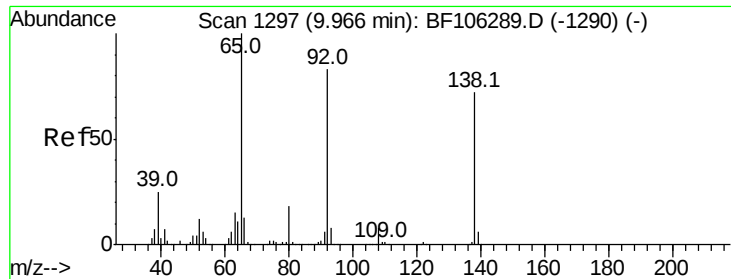
#49
Dimethylphthalate
Concen: 3.314 ng
RT: 9.72 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion:163 Resp: 30841
Ion Ratio Lower Upper
163 100
194 6.7 2.7 4.1#
164 40.0 8.2 12.2#



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

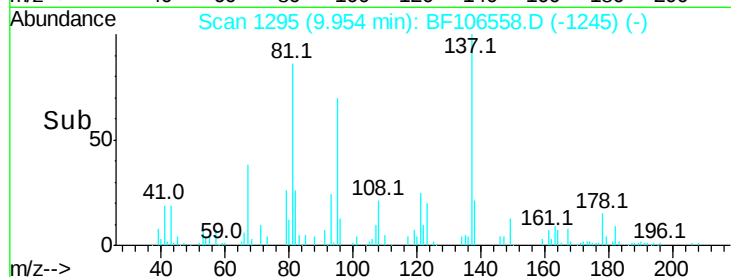
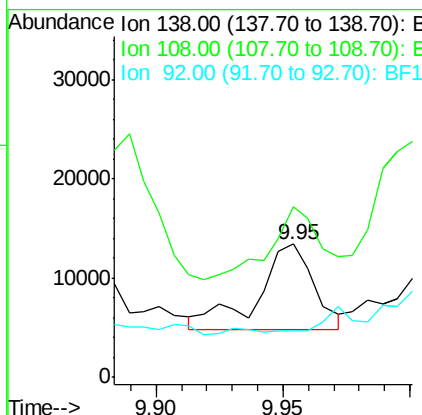
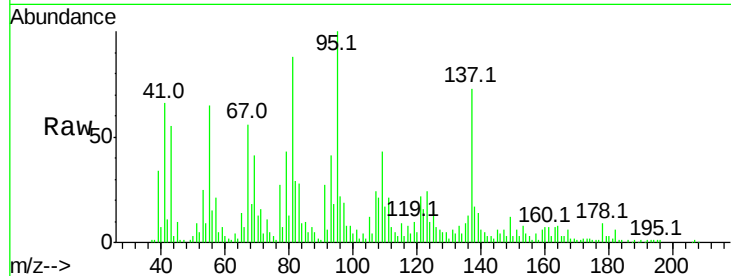




#52
3-Nitroaniline
Concen: 5.906 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

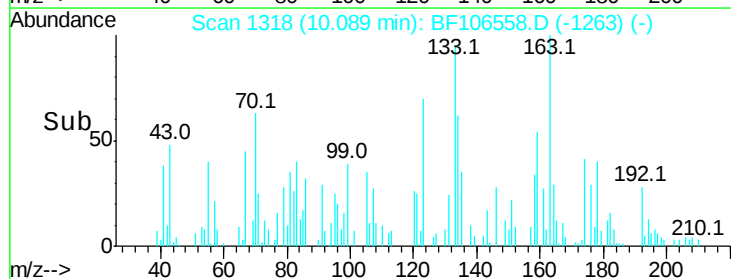
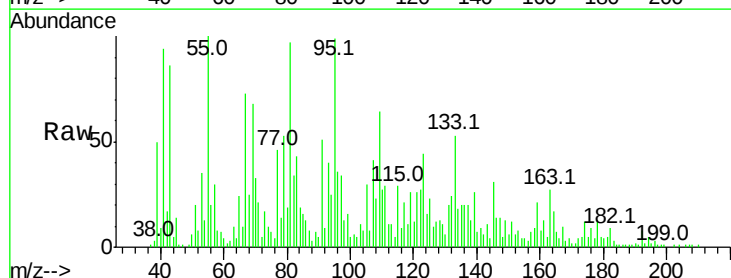
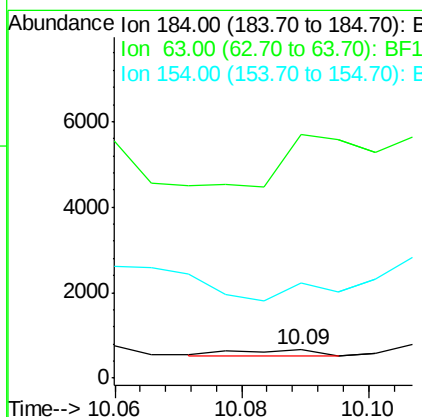
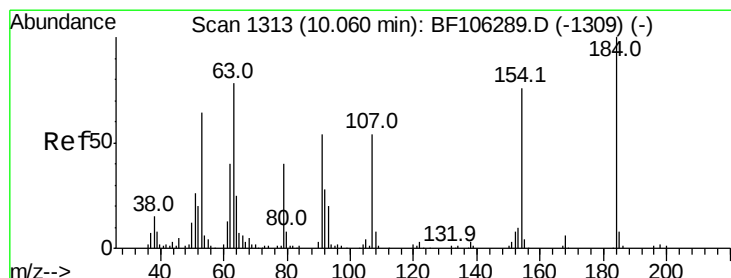
Instrument :
BNA_F
ClientSampled :

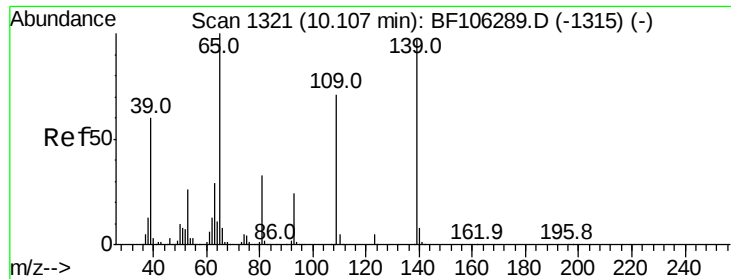
Tot Ion:138 Resp: 13325
Ion Ratio Lower Upper
138 100
108 127.9 9.4 14.0#
92 34.6 89.4 134.2#



#53
2,4-Dinitrophenol
Concen: 8.756 ng
RT: 10.09 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion:184 Resp: 139
Ion Ratio Lower Upper
184 100
63 870.6 54.2 81.2#
154 338.4 184.0 276.0#

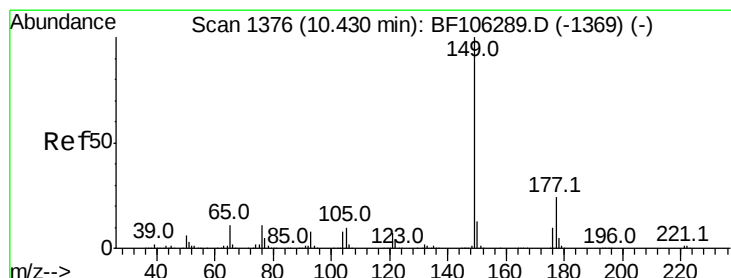
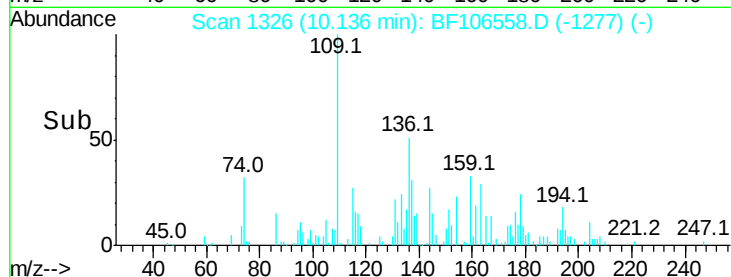
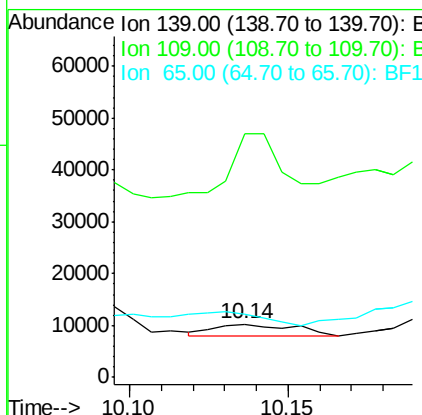
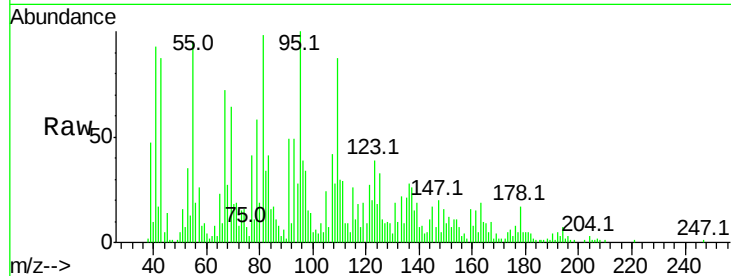




#55
4-Nitrophenol
Concen: 2.157 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

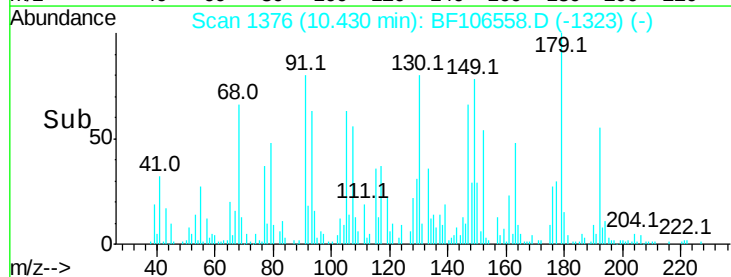
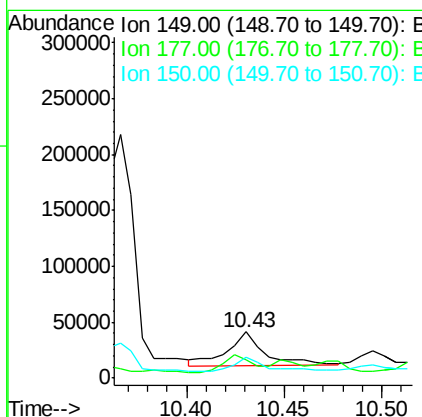
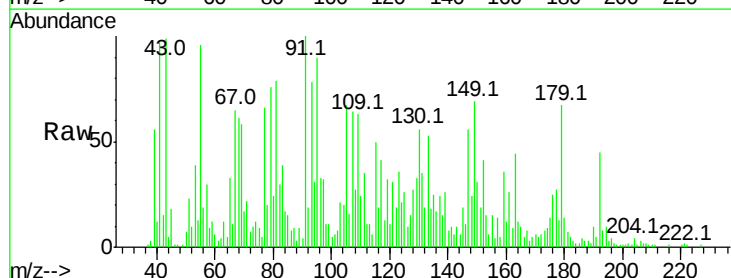
Instrument :
BNA_F
ClientSampleId :

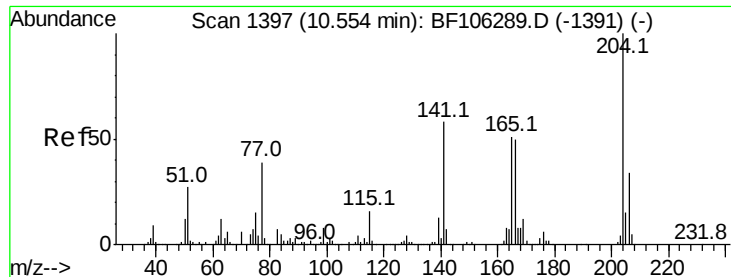
Tot Ion:139 Resp: 3731
Ion Ratio Lower Upper
139 100
109 459.2 48.4 88.4#
65 119.8 72.6 112.6#



#59
Diethylphthalate
Concen: 4.680 ng
RT: 10.43 min Scan# 1376
Delta R.T. 0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion:149 Resp: 43227
Ion Ratio Lower Upper
149 100
177 39.8 16.1 24.1#
150 44.4 10.1 15.1#

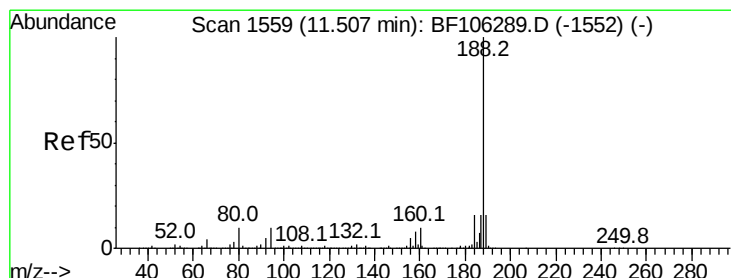
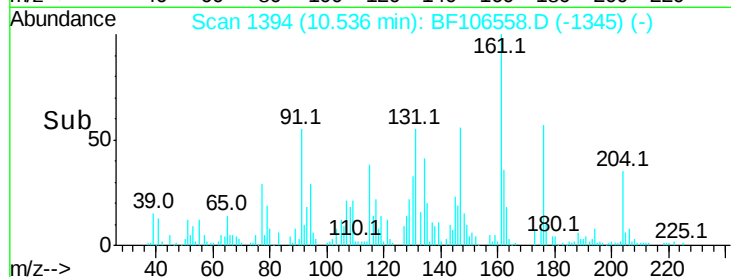
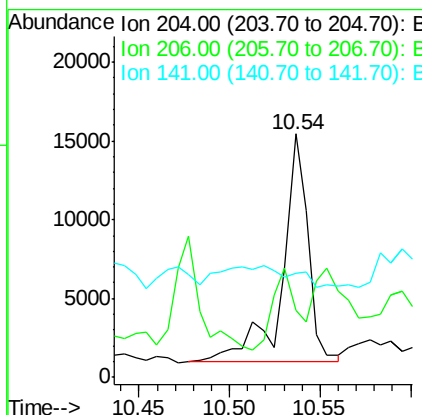
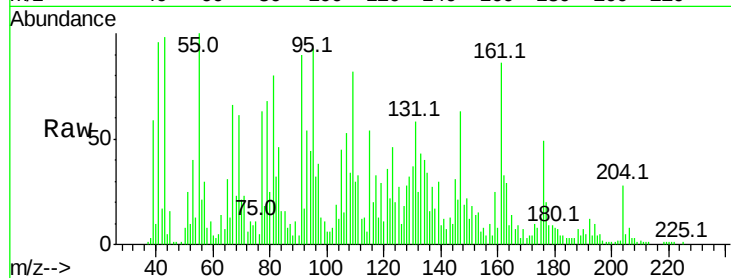




#60
4-Chlorophenyl-phenylether
Concen: 3.199 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

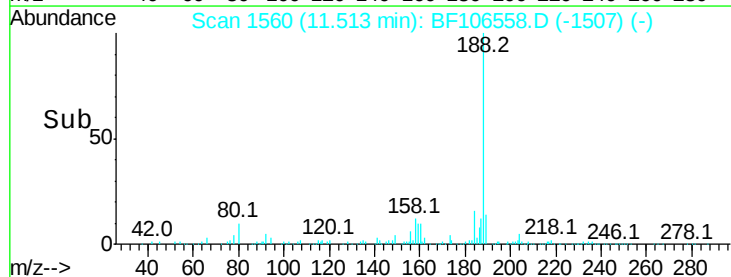
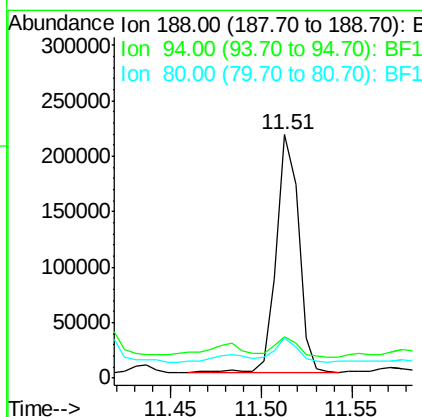
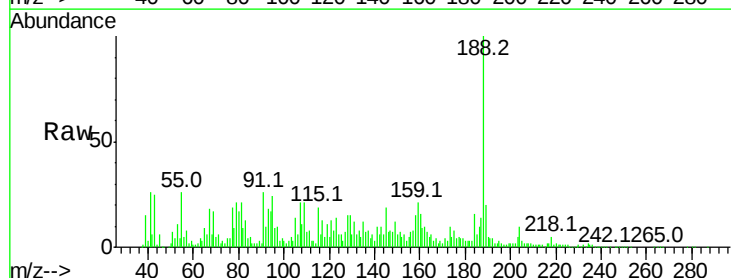
Instrument :
BNA_F
ClientSampled :

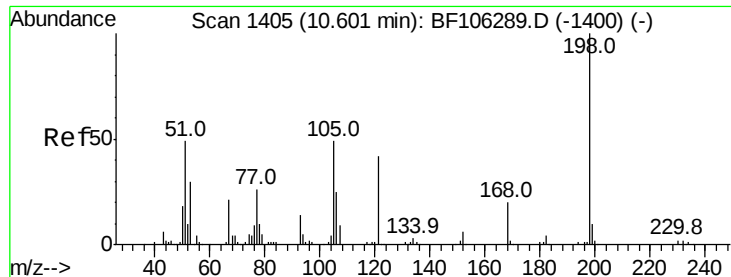
Tot Ion:204 Resp: 14329
Ion Ratio Lower Upper
204 100
206 27.3 26.5 39.7
141 43.0 54.6 81.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. 0.01 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Tgt Ion:188 Resp: 184067
Ion Ratio Lower Upper
188 100
94 16.9 8.5 12.7#
80 16.7 9.2 13.8#

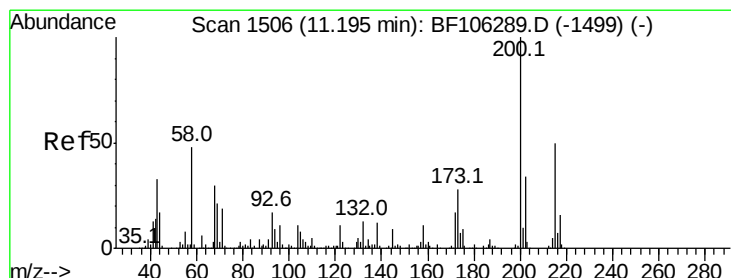
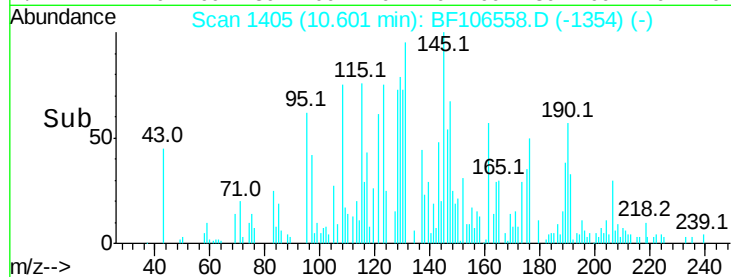
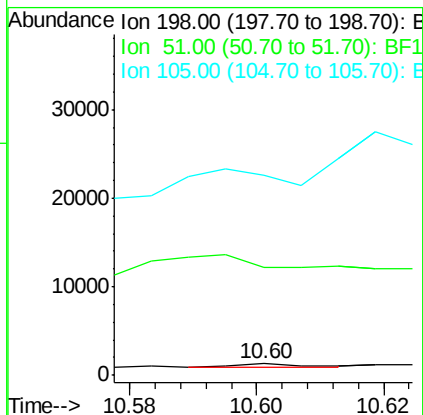
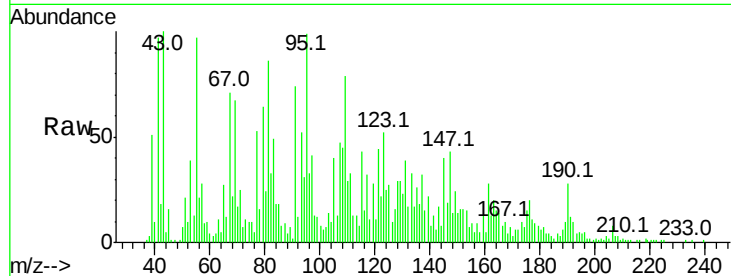




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.600 ng
 RT: 10.60 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: BF106558.D
 Acq: 19 Jun 2018 1:02

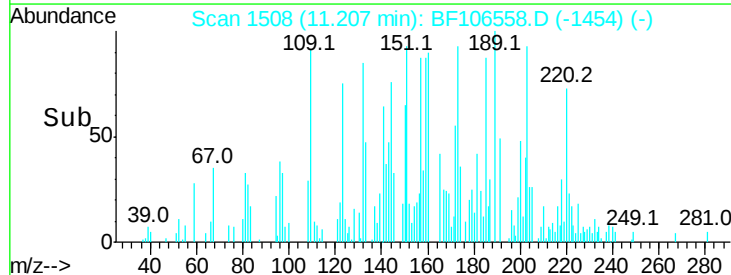
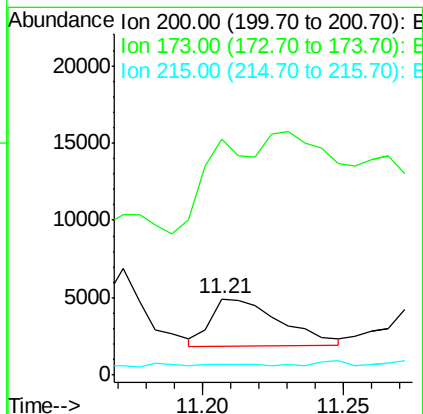
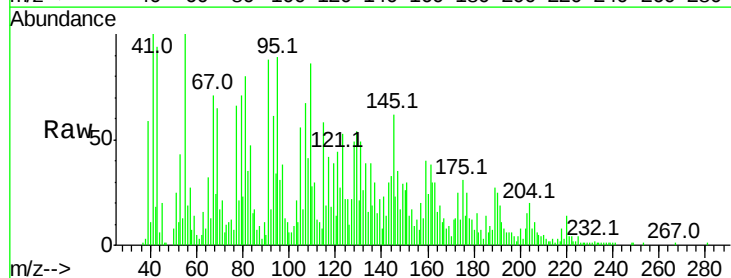
Instrument :
 BNA_F
 ClientSampleId :

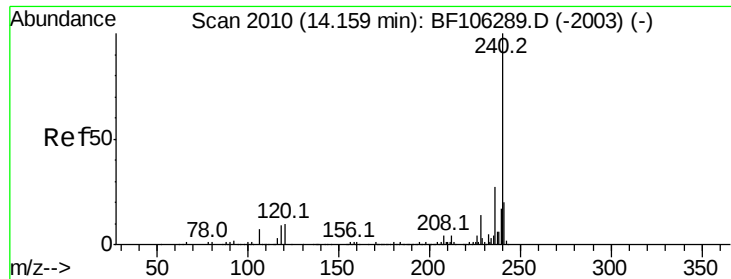
Tot Ion:198 Resp: 349
 Ion Ratio Lower Upper
 198 100
 51 932.8 37.7 77.7#
 105 1737.2 36.3 76.3#



#68
 Atrazine
 Concen: 2.787 ng
 RT: 11.21 min Scan# 1508
 Delta R.T. 0.02 min
 Lab File: BF106558.D
 Acq: 19 Jun 2018 1:02

Tgt Ion:200 Resp: 5314
 Ion Ratio Lower Upper
 200 100
 173 308.9 8.6 48.6#
 215 14.5 25.1 65.1#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF106558.D

Acq: 19 Jun 2018 1:02

Instrument :

BNA_F

ClientSampleId :

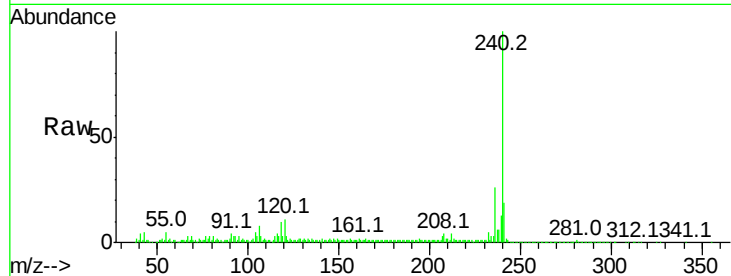
Tot Ion:240 Resp: 294140

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

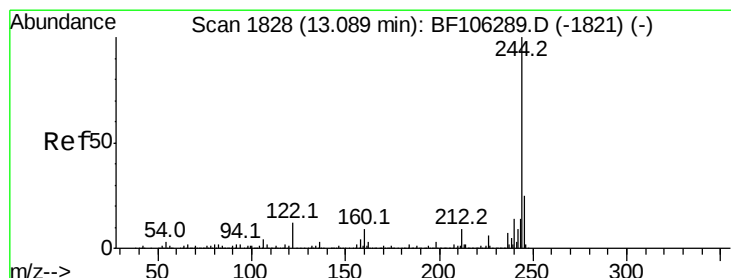
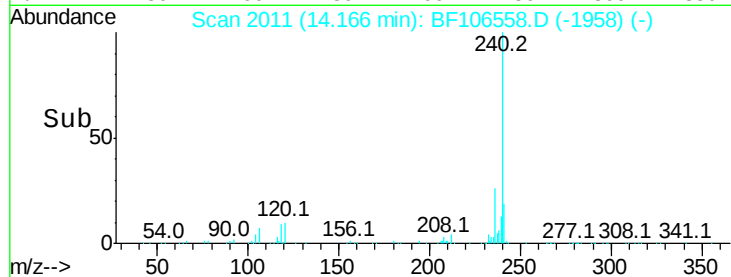
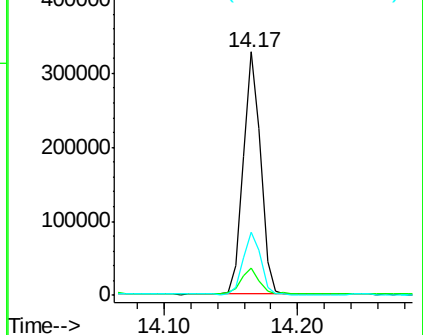
236 26.1 20.7 31.1



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: 72.228 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.02 min

Lab File: BF106558.D

Acq: 19 Jun 2018 1:02

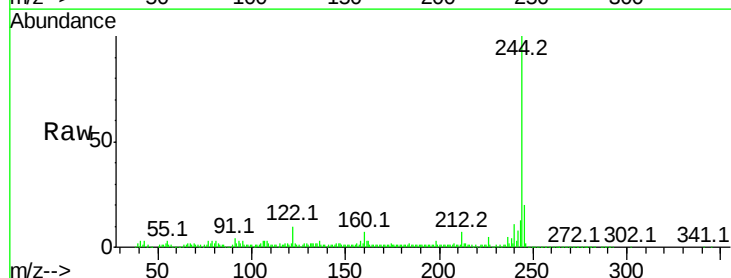
Tgt Ion:244 Resp: 855349

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

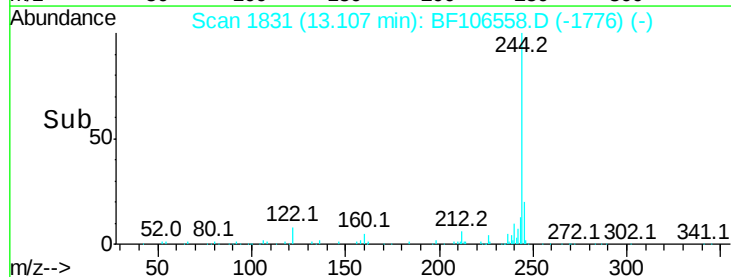
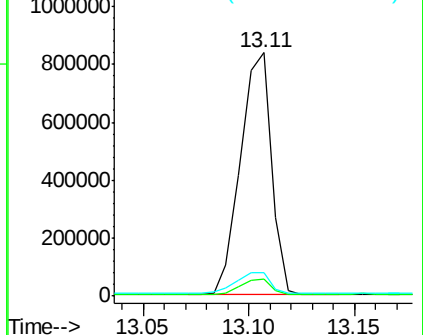
122 9.5 11.0 16.4#

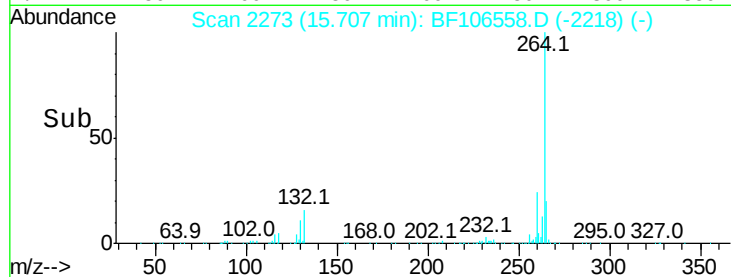
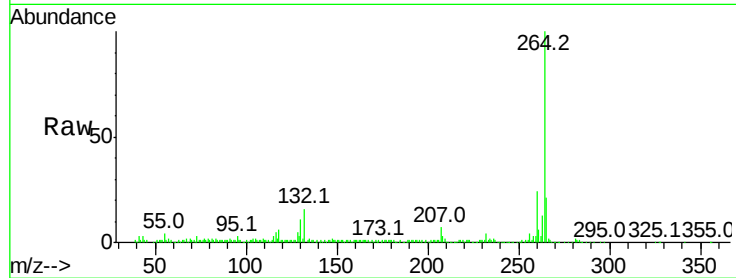
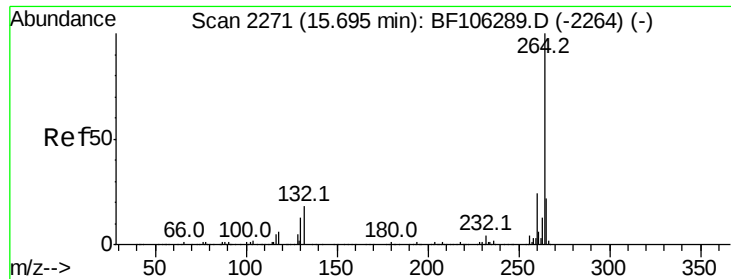


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.71 min Scan# 2273
Delta R.T. 0.02 min
Lab File: BF106558.D
Acq: 19 Jun 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.7	17.5	26.3

