

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106380.D
 Acq On : 13 Jun 2018 8:25
 Operator : JU/SJ
 Sample : J3396-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 10:44:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

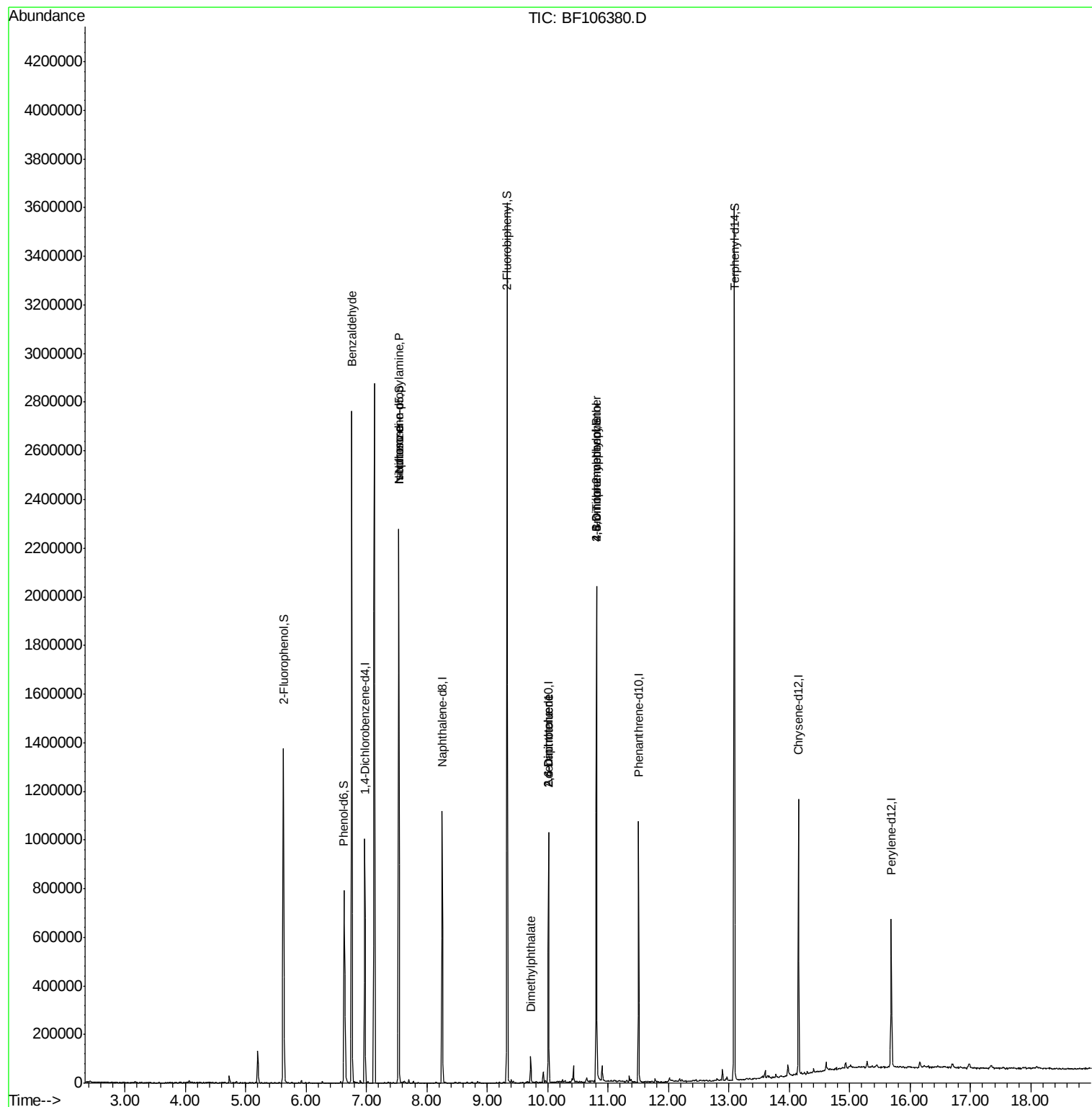
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	129412	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	438794	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	182900	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	375060	20.00	ng	0.00
75) Chrysene-d12	14.15	240	380351	20.00	ng	0.00
86) Perylene-d12	15.69	264	275501	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	480507	62.84	ng	0.04
7) Phenol-d6	6.63	99	361054	37.38	ng	0.04
23) Nitrobenzene-d5	7.54	82	717350	96.17	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	259776	147.62	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1116264	124.99	ng	0.00
78) Terphenyl-d14	13.09	244	1382152	90.26	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	18324	2.501	ng	83
19) n-Nitroso-di-n-propylamine	7.54	70	98793	13.631	ng	# 74
25) Isophorone	7.54	82	717327	49.237	ng	# 64
49) Dimethylphthalate	9.72	163	34189	2.616	ng	98
50) 2,6-Dinitrotoluene	10.01	165	23466	8.791	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	23466	7.001	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	548	6.530	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	16696	3.914	ng	# 1

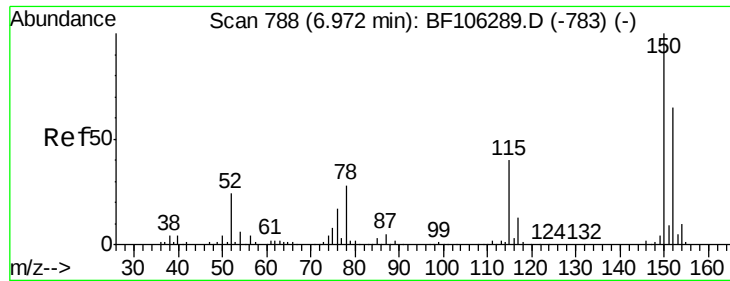
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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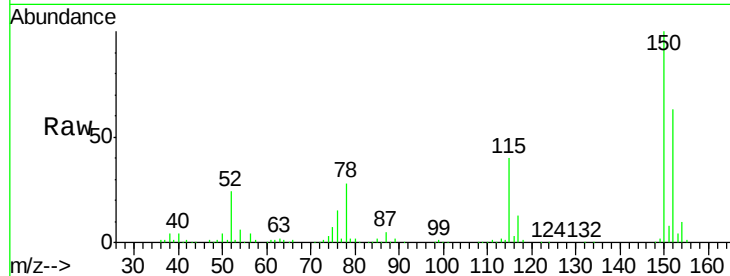


#1

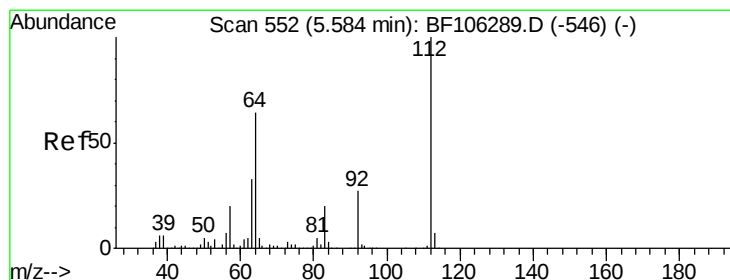
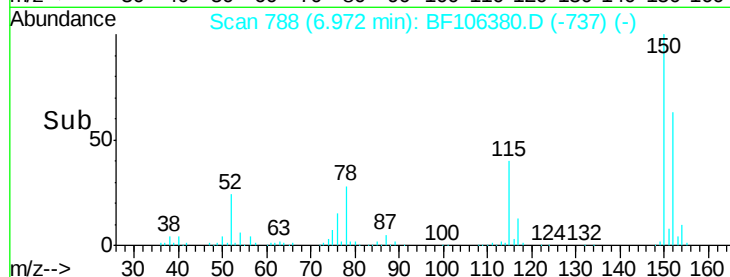
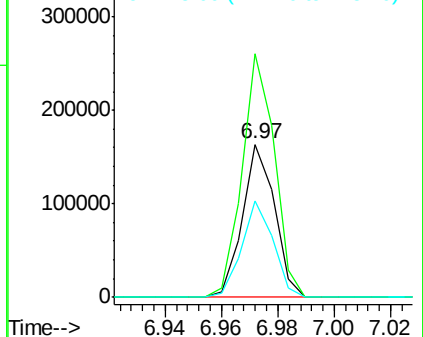
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129412
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 63.0 50.1 75.1



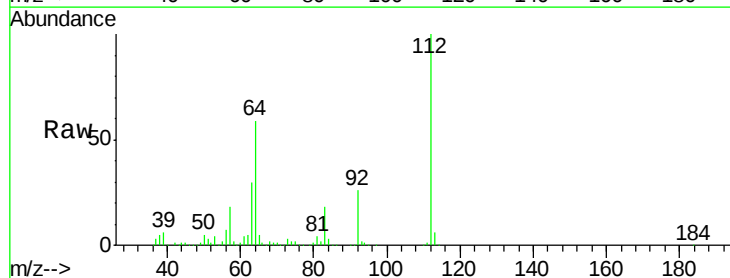
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



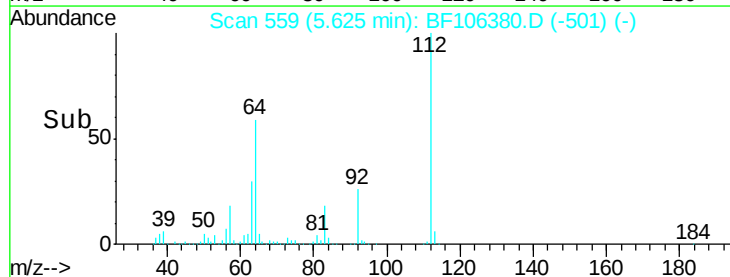
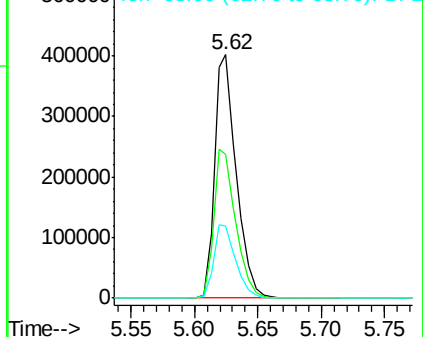
#5

2-Fluorophenol
Concen: 62.843 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.04 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Tgt Ion:112 Resp: 480507
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 29.7 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: 37.375 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.04 min

Lab File: BF106380.D

Acq: 13 Jun 2018 8:25

Instrument :

BNA_F

ClientSampleId :

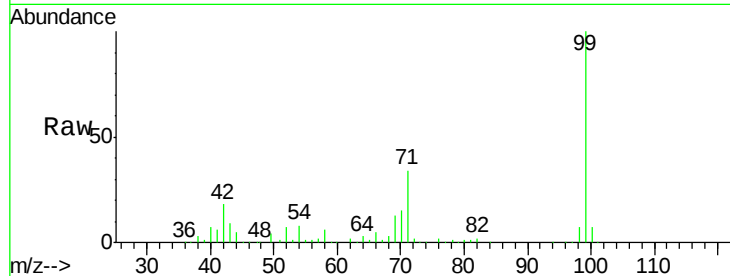
Tot Ion: 99 Resp: 361054

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

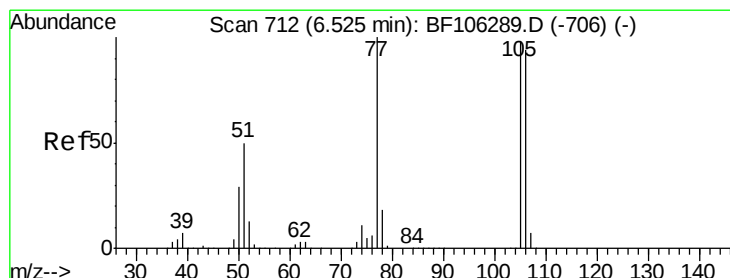
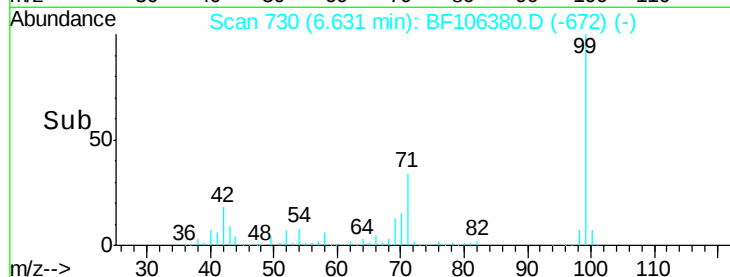
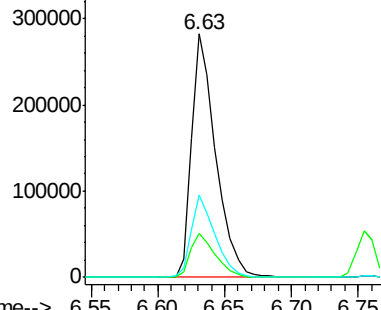
71 33.6 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.501 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.23 min

Lab File: BF106380.D

Acq: 13 Jun 2018 8:25

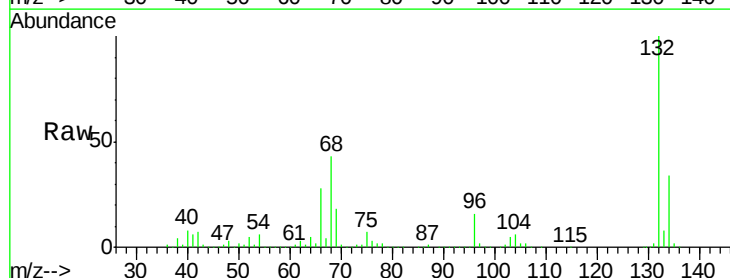
Tgt Ion: 77 Resp: 18324

Ion Ratio Lower Upper

77 100

105 87.6 81.1 121.1

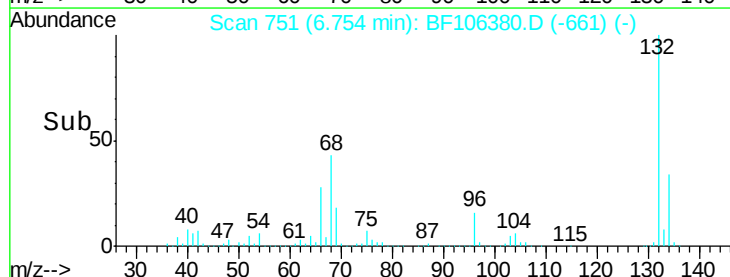
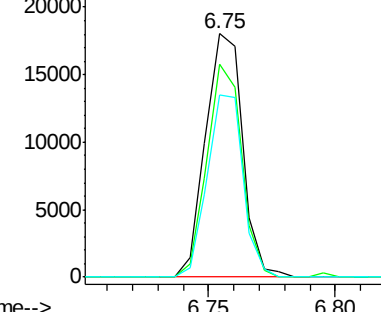
106 74.7 74.5 114.5

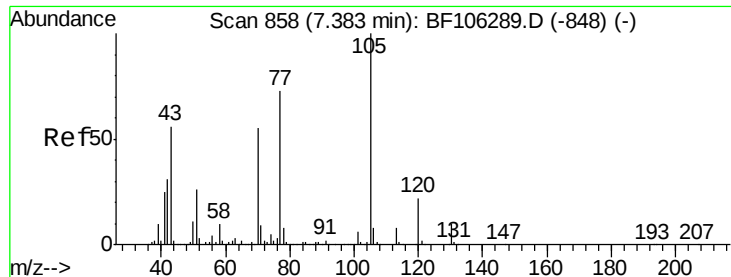


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

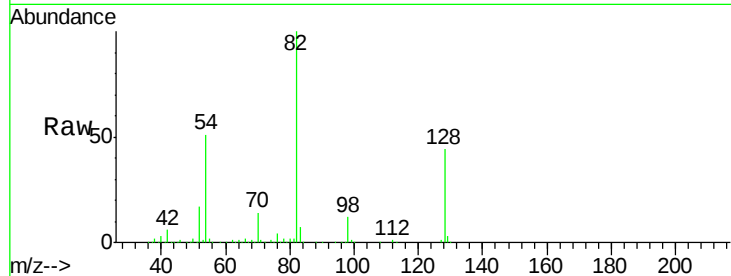




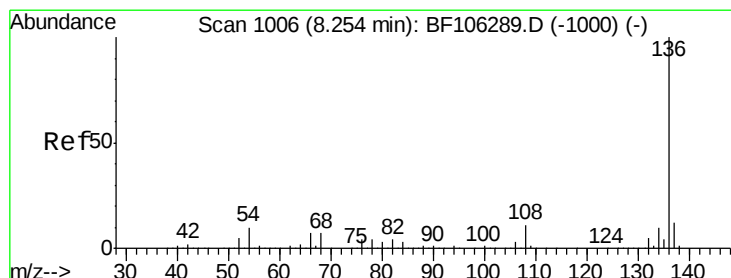
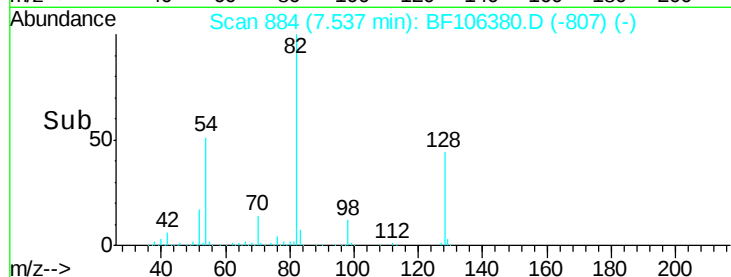
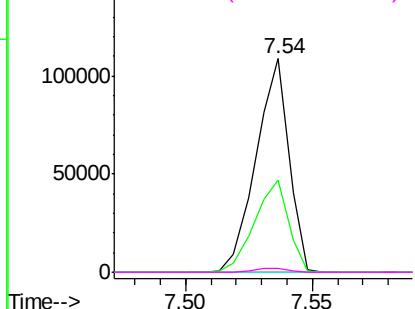
#19
n-Nitroso-di-n-propylamine
Concen: 13.631 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 98793
Ion Ratio Lower Upper
70 100
42 43.3 47.5 71.3#
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#

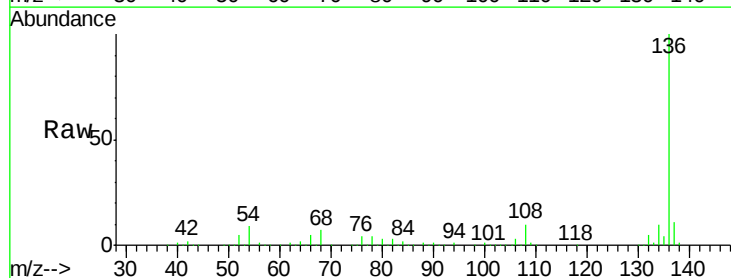


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

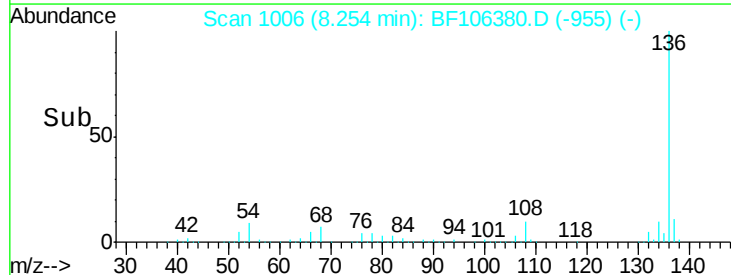
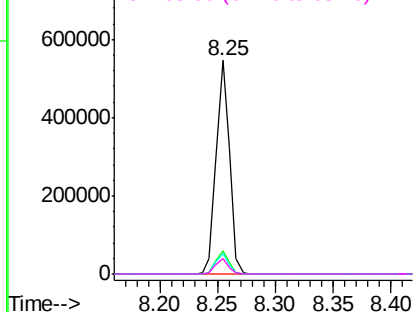


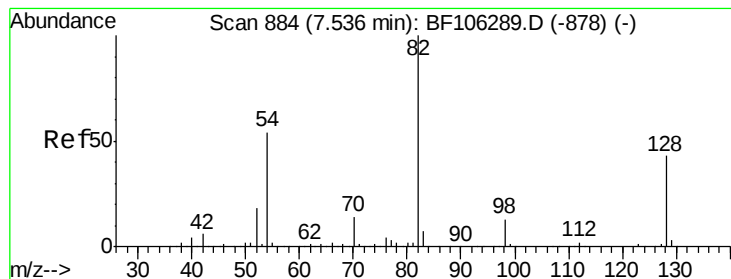
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Tgt Ion: 136 Resp: 438794
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.4 6.6 9.8
68 7.1 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





#23

Nitrobenzene-d5

Concen: 96.174 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF106380.D

Acq: 13 Jun 2018 8:25

Instrument :

BNA_F

ClientSampled :

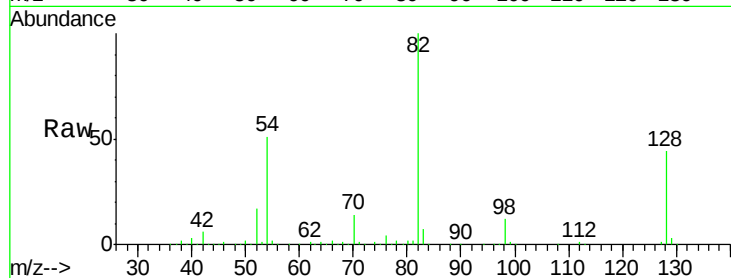
Tot Ion: 82 Resp: 717350

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

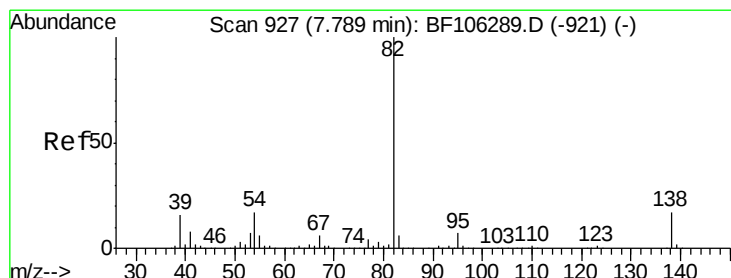
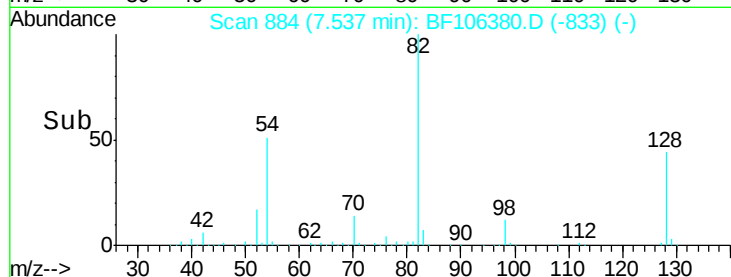
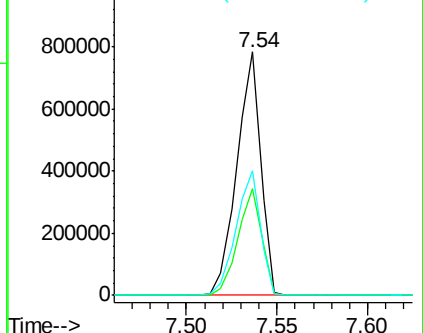
54 51.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 49.237 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.25 min

Lab File: BF106380.D

Acq: 13 Jun 2018 8:25

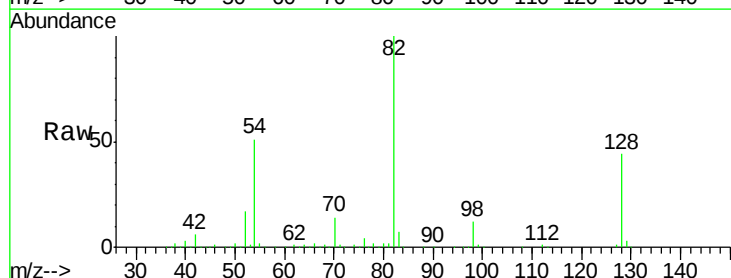
Tgt Ion: 82 Resp: 717327

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

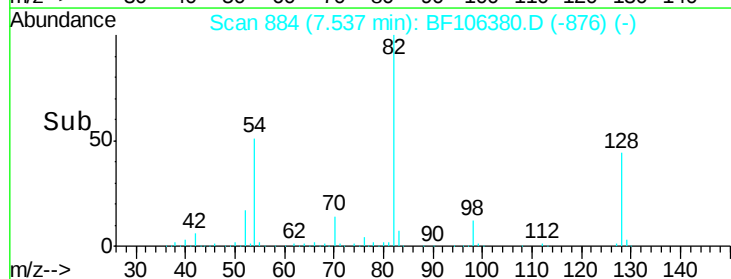
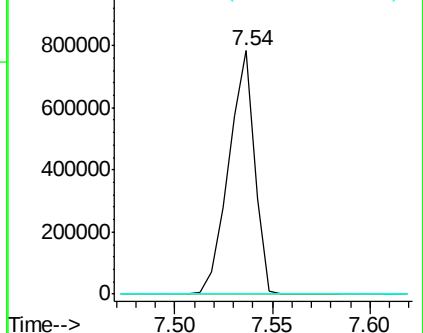
138 0.0 14.9 22.3#

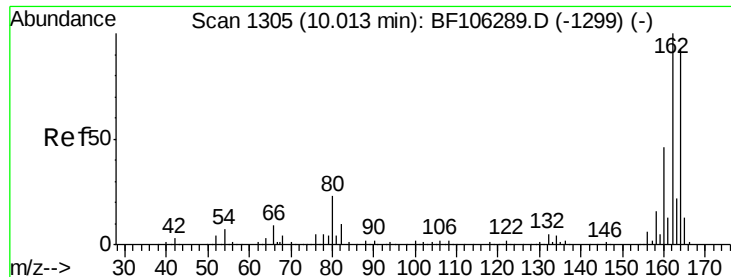


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF106380.D

Acq: 13 Jun 2018 8:25

Instrument :

BNA_F

ClientSampleId :

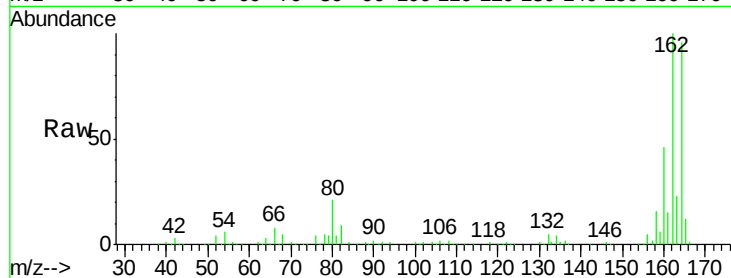
Tot Ion:164 Resp: 182900

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

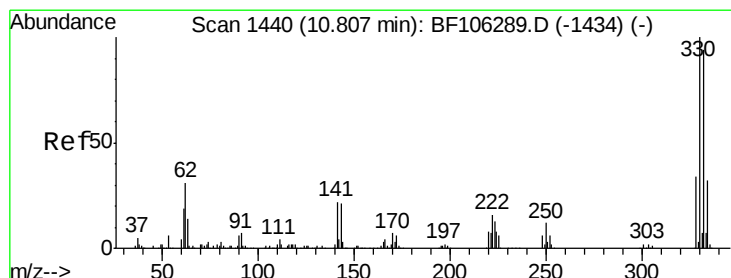
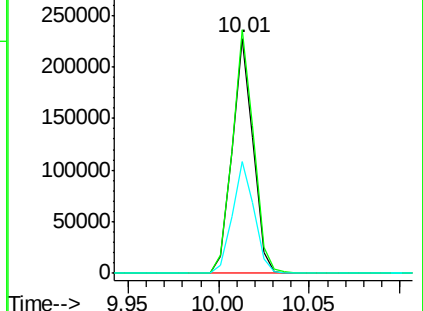
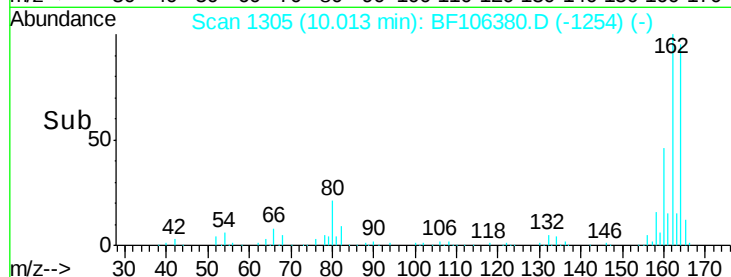
160 47.4 38.3 57.5



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: 147.616 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF106380.D

Acq: 13 Jun 2018 8:25

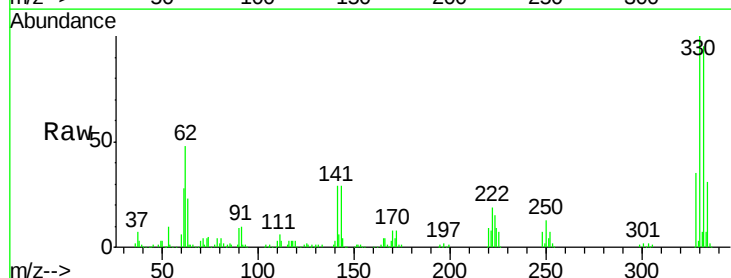
Tgt Ion:330 Resp: 259776

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

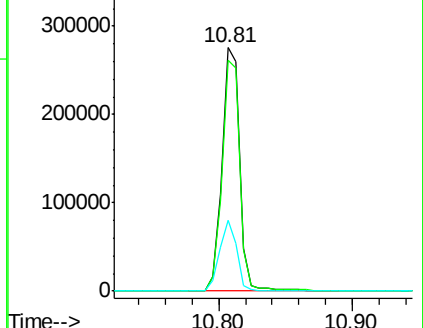
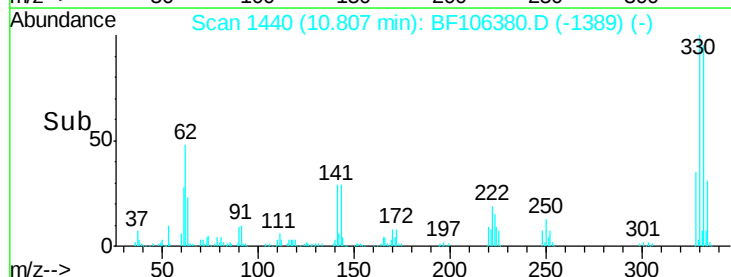
141 28.9 29.9 44.9#

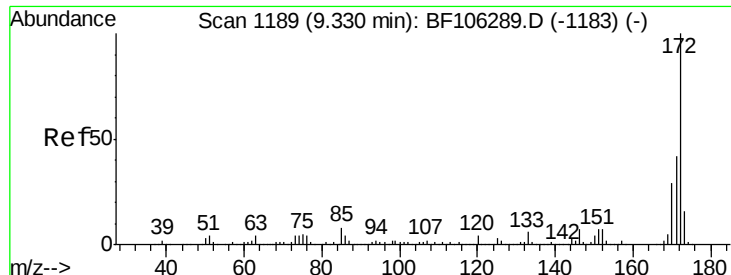


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

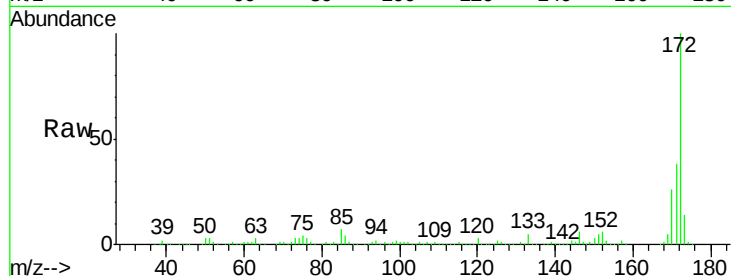




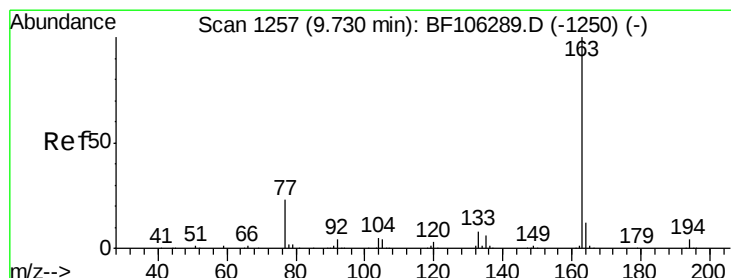
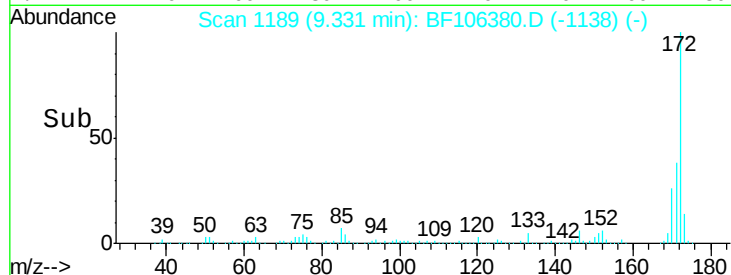
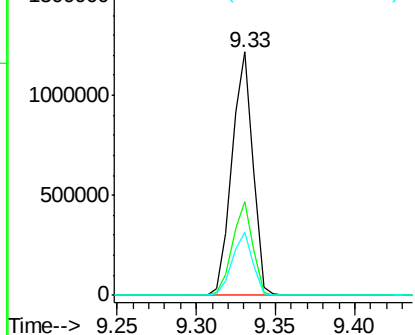
#44
2-Fluorobiphenyl
Concen: 124.994 ng
RT: 9.33 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1116264
Ion Ratio Lower Upper
172 100
171 38.4 29.7 44.5
170 26.1 19.6 29.4

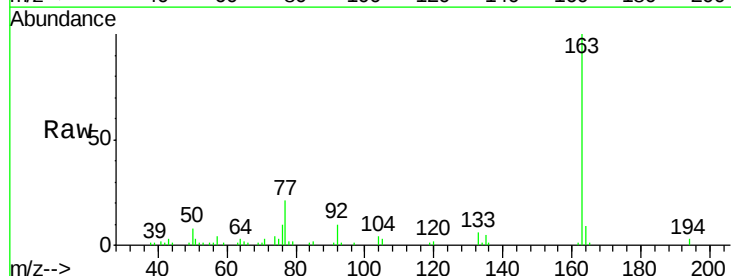


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

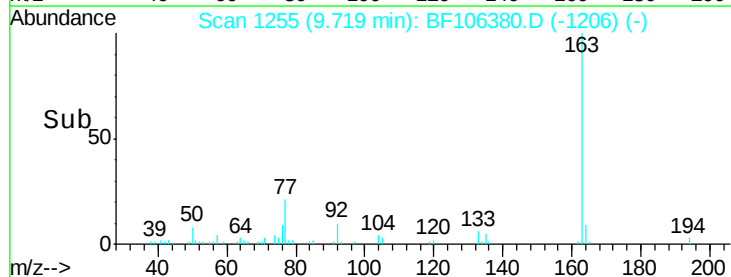
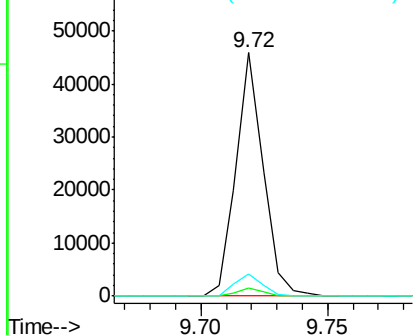


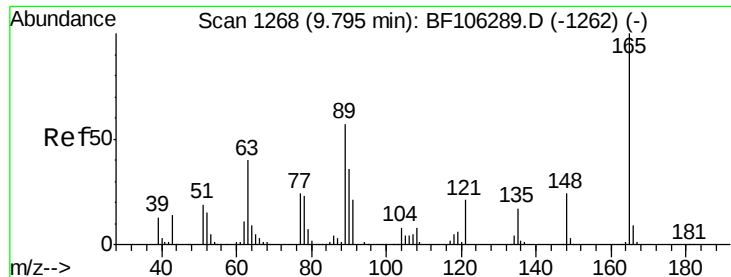
#49
Dimethylphthalate
Concen: 2.616 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Tgt Ion:163 Resp: 34189
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.2 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

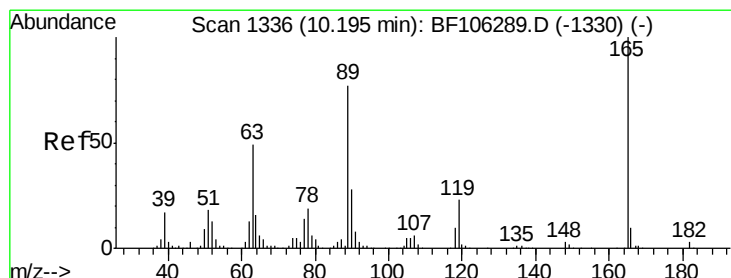
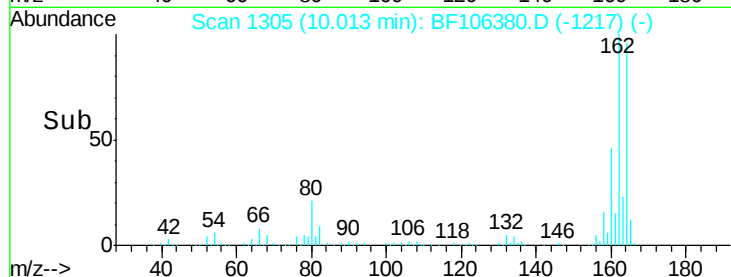
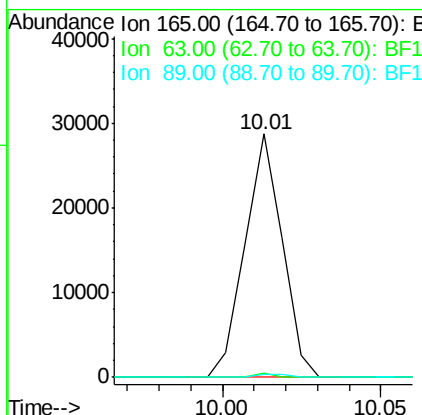
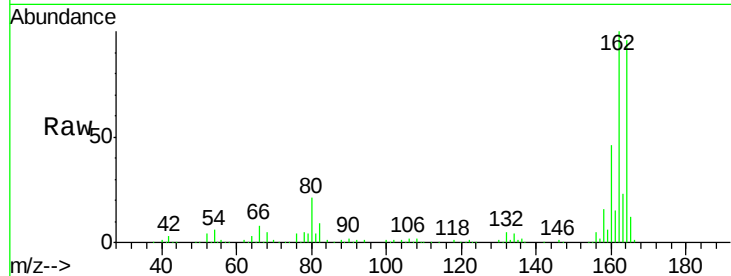




#50
 2,6-Dinitrotoluene
 Concen: 8.791 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. 0.22 min
 Lab File: BF106380.D
 Acq: 13 Jun 2018 8:25

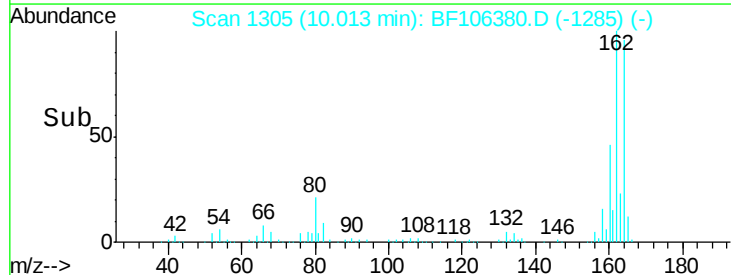
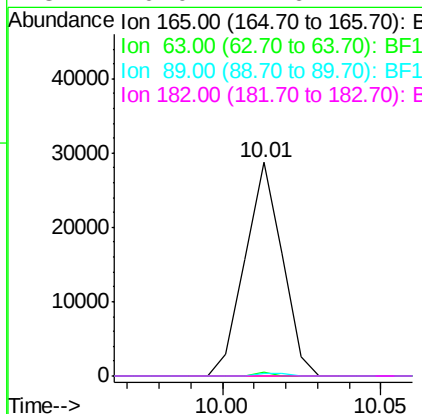
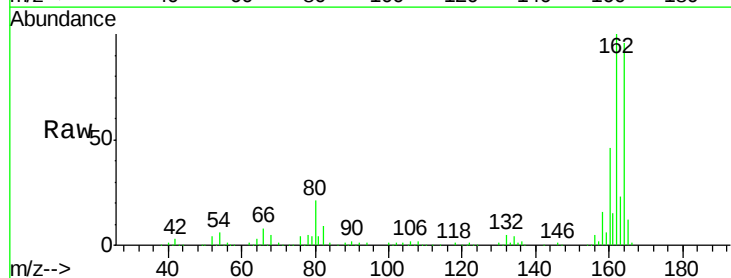
Instrument :
 BNA_F
 ClientSampleId :

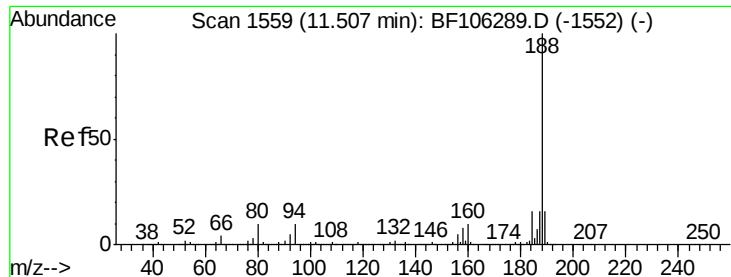
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.001 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.18 min
 Lab File: BF106380.D
 Acq: 13 Jun 2018 8:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

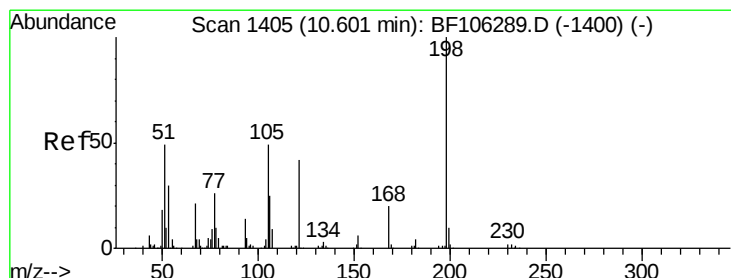
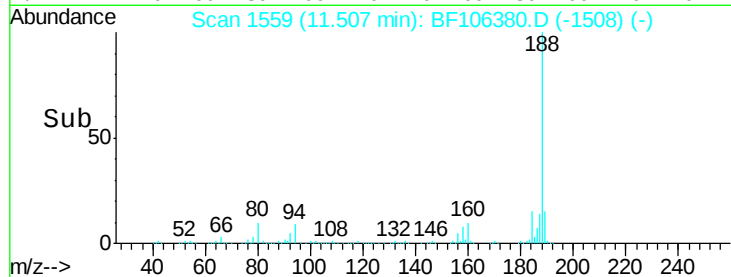
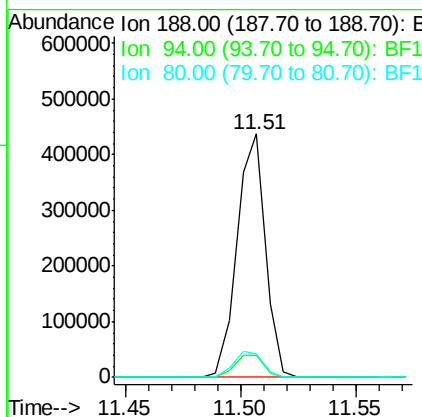
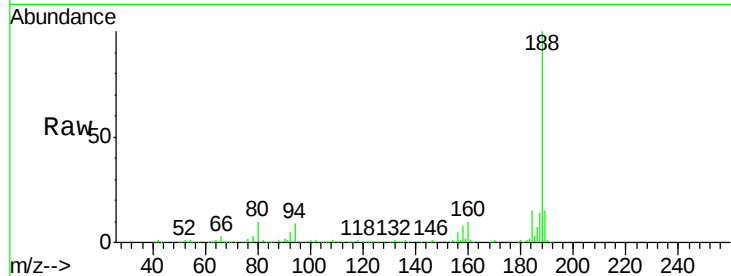




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BF106380.D
 Acq: 13 Jun 2018 8:25

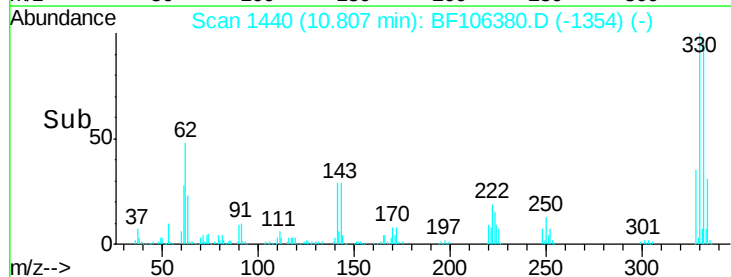
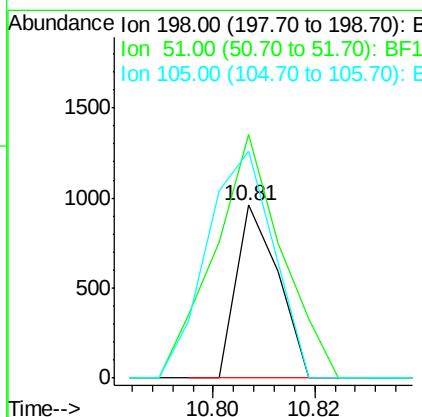
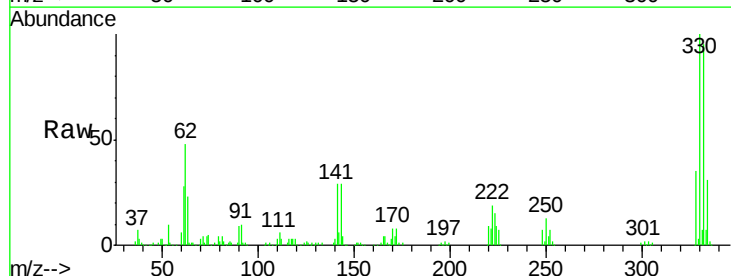
Instrument :
 BNA_F
 ClientSampled :

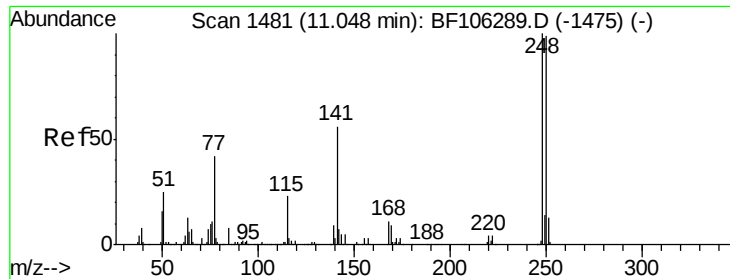
Tot Ion:188 Resp: 375060
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 9.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.530 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.21 min
 Lab File: BF106380.D
 Acq: 13 Jun 2018 8:25

Tgt Ion:198 Resp: 548
 Ion Ratio Lower Upper
 198 100
 51 140.8 37.7 77.7#
 105 131.4 36.3 76.3#

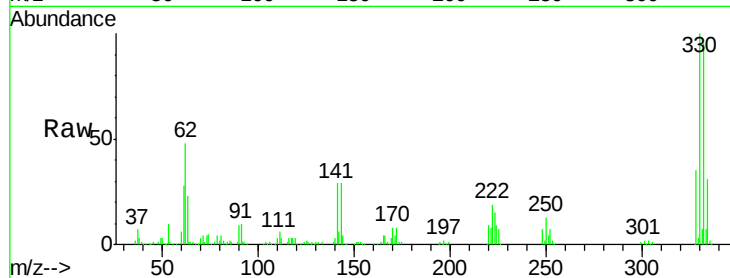




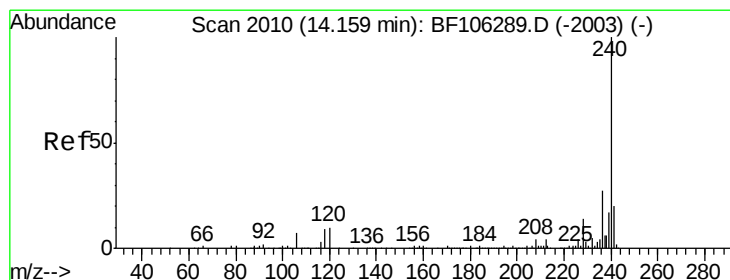
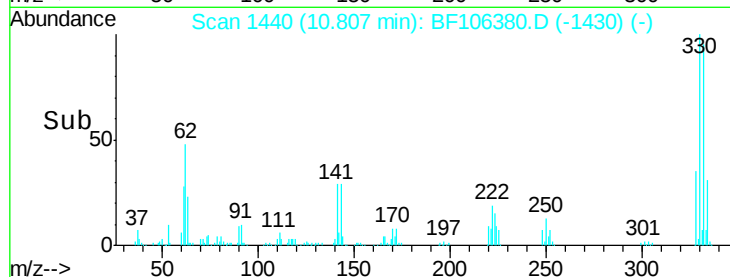
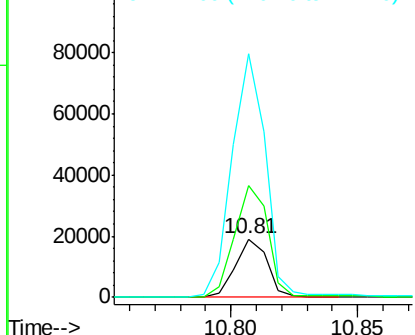
#66
4-Bromophenyl-phenylether
Concen: 3.914 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16696
Ion Ratio Lower Upper
248 100
250 191.7 76.9 115.3#
141 419.2 74.4 111.6#

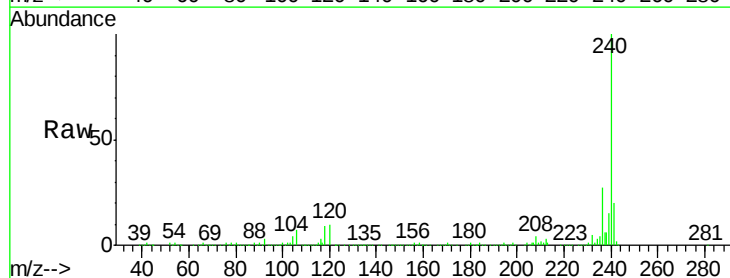


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

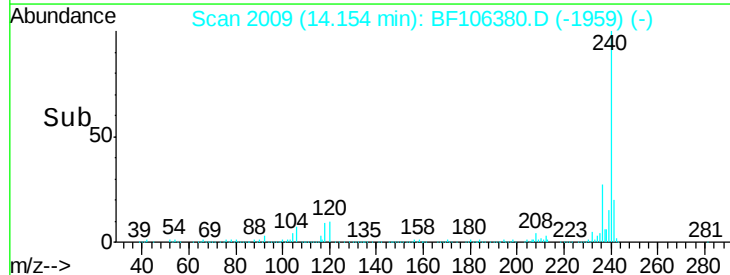
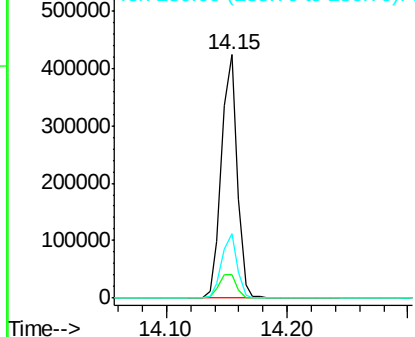


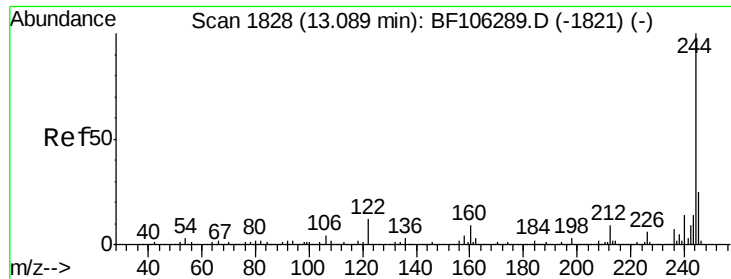
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF106380.D
Acq: 13 Jun 2018 8:25

Tgt Ion:240 Resp: 380351
Ion Ratio Lower Upper
240 100
120 9.9 9.5 14.3
236 26.6 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

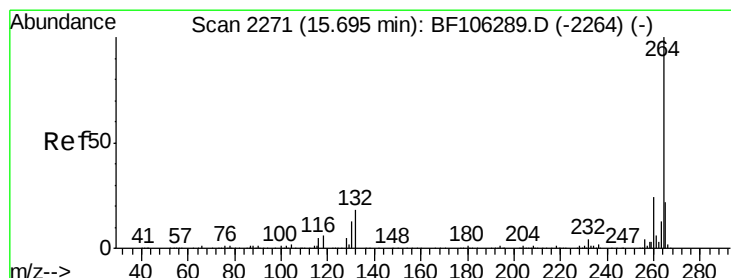
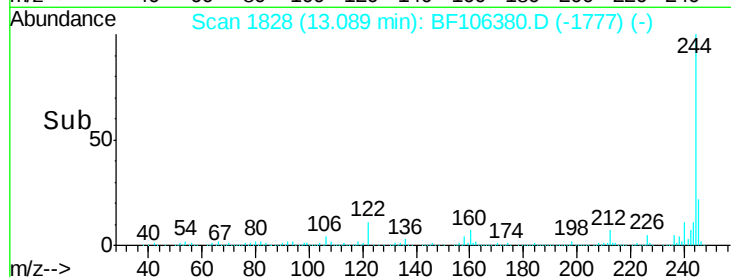
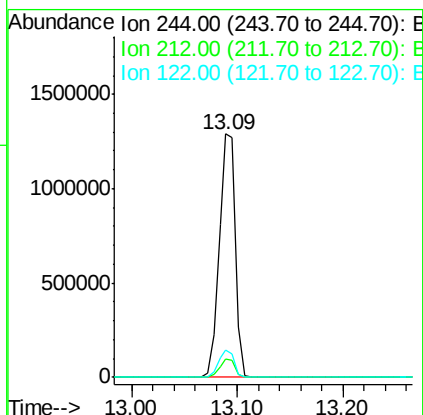
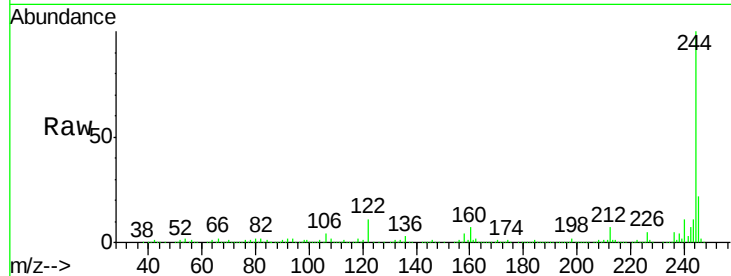




#78
 Terphenyl-d14
 Concen: 90.258 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: BF106380.D
 Acq: 13 Jun 2018 8:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1382152
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 11.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF106380.D
 Acq: 13 Jun 2018 8:25

Tgt Ion:264 Resp: 275501
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 20.8 17.5 26.3

