

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106367.D
 Acq On : 13 Jun 2018 1:53
 Operator : JU/SJ
 Sample : PB110114BL
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 04:44:31 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

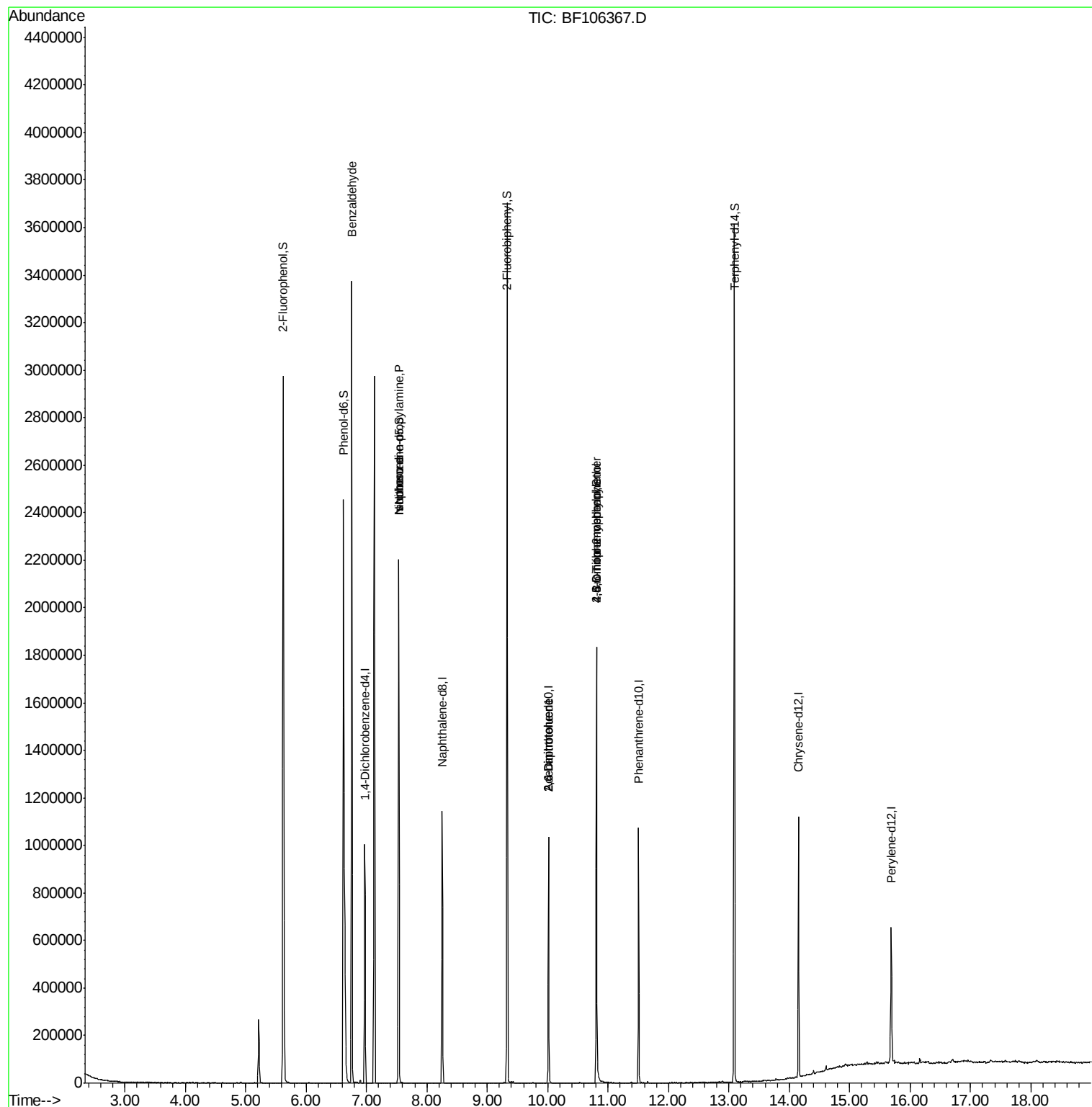
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	137005	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	453407	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	190124	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	378352	20.00	ng	0.00
75) Chrysene-d12	14.15	240	375191	20.00	ng	0.00
86) Perylene-d12	15.69	264	266528	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	983360	121.48	ng	0.04
7) Phenol-d6	6.62	99	1247631	121.99	ng	0.03
23) Nitrobenzene-d5	7.54	82	718792	93.26	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	240304	131.36	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1144672	122.02	ng	0.00
78) Terphenyl-d14	13.09	244	1376543	91.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.76	77	21191	2.732	ng	88
19) n-Nitroso-di-n-propylamine	7.54	70	98590	12.849	ng	# 75
25) Isophorone	7.54	82	718783	47.747	ng	# 64
50) 2,6-Dinitrotoluene	10.01	165	23923	8.622	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	23923	6.866	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	412	6.470	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	15971	3.711	ng	# 1

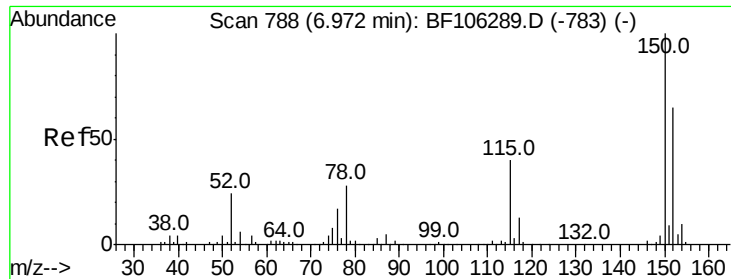
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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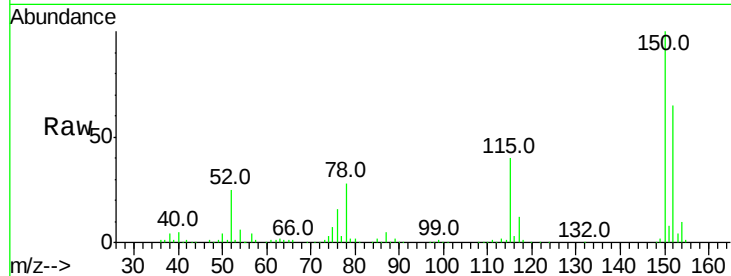


#1

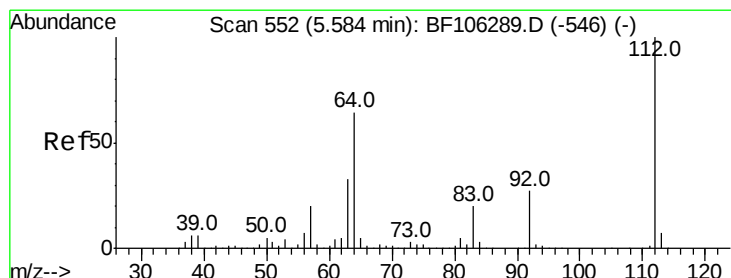
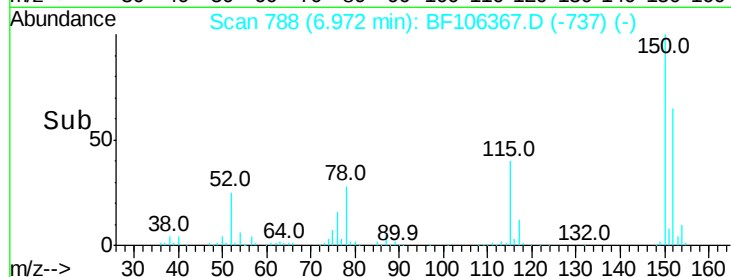
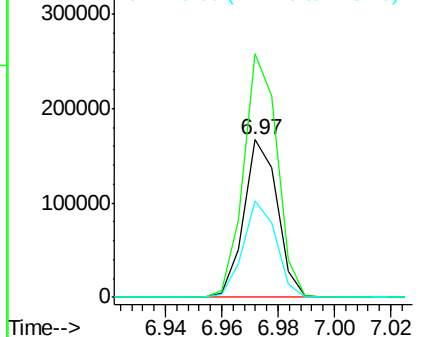
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106367.D
Acq: 13 Jun 2018 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137005
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 61.2 50.1 75.1



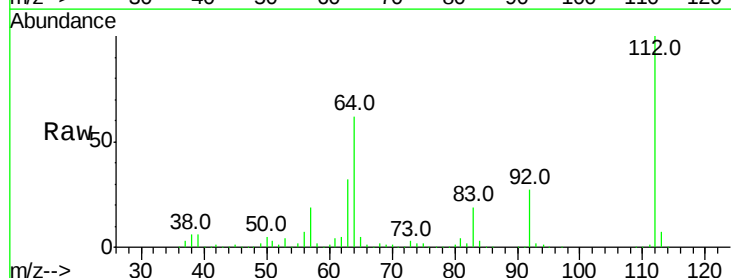
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



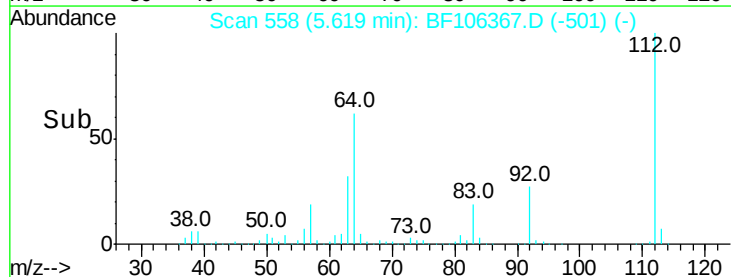
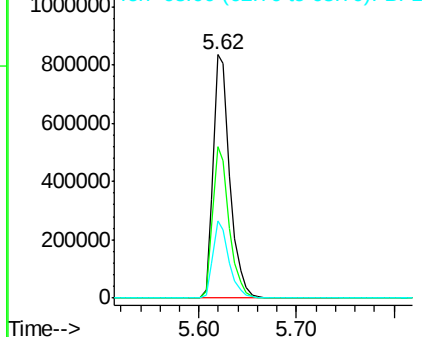
#5

2-Fluorophenol
Concen: 121.480 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.04 min
Lab File: BF106367.D
Acq: 13 Jun 2018 1:53

Tgt Ion:112 Resp: 983360
Ion Ratio Lower Upper
112 100
64 62.1 47.9 71.9
63 31.6 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: 121.993 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.03 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

Instrument :

BNA_F

ClientSampled :

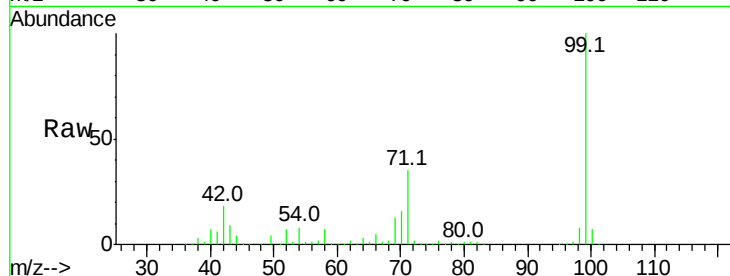
Tot Ion: 99 Resp: 1247631

Ion Ratio Lower Upper

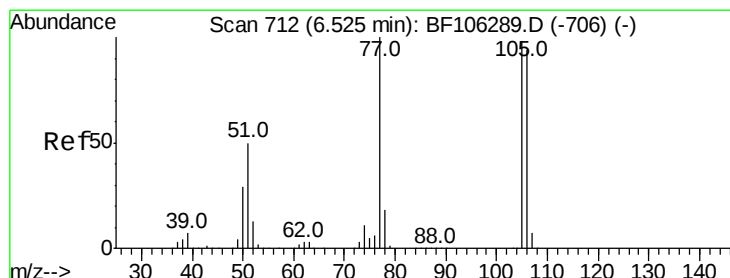
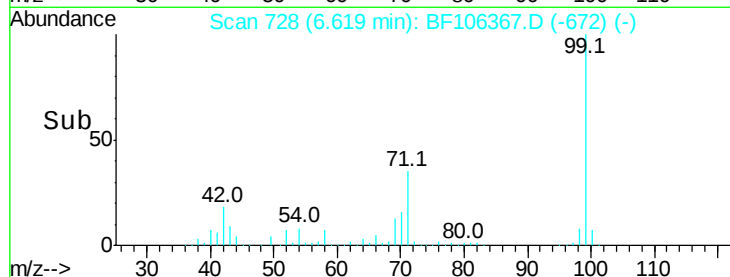
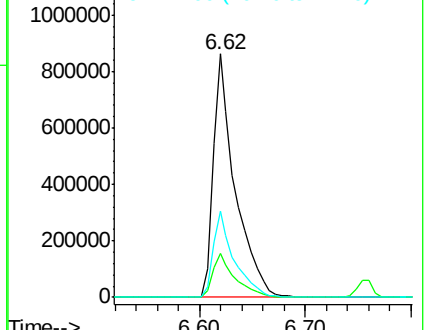
99 100

42 18.3 14.5 21.7

71 35.3 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: 2.732 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.24 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

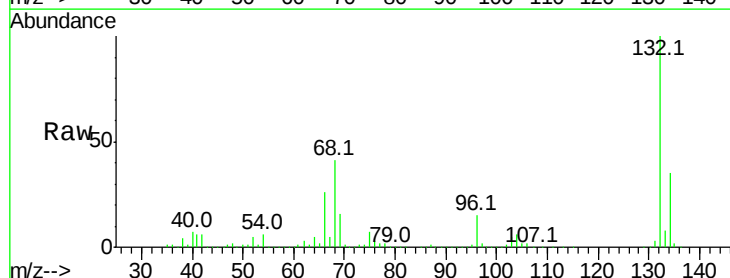
Tgt Ion: 77 Resp: 21191

Ion Ratio Lower Upper

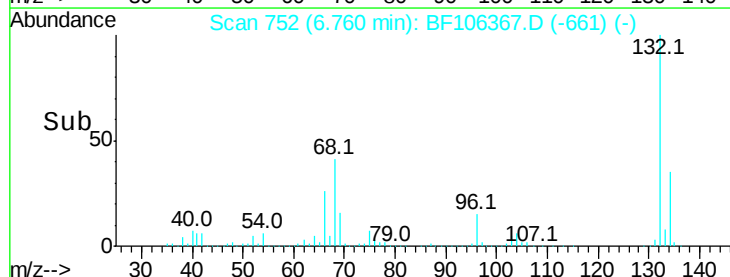
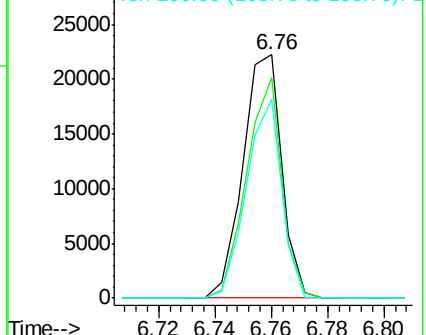
77 100

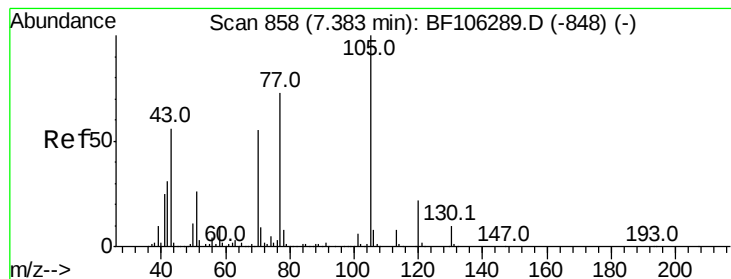
105 90.6 81.1 121.1

106 81.7 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: 12.849 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 98590

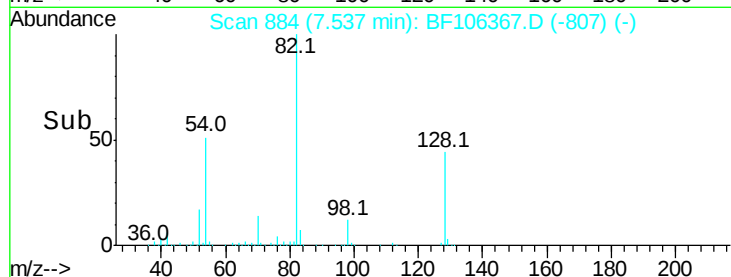
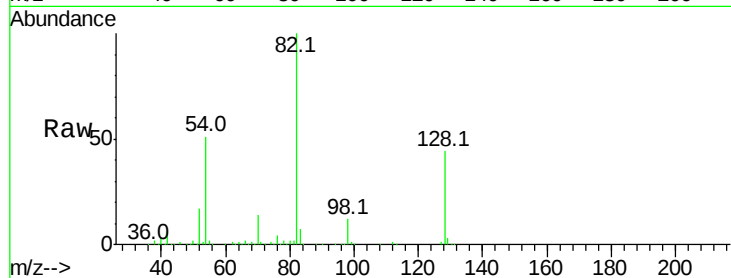
Ion Ratio Lower Upper

70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

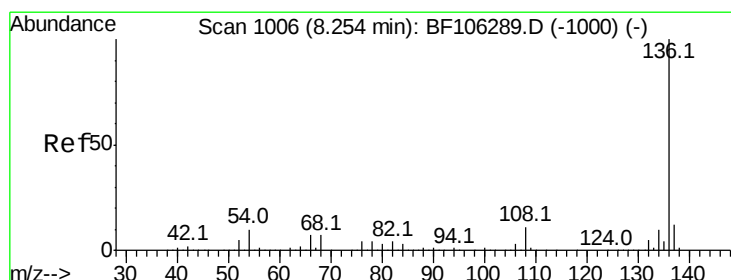
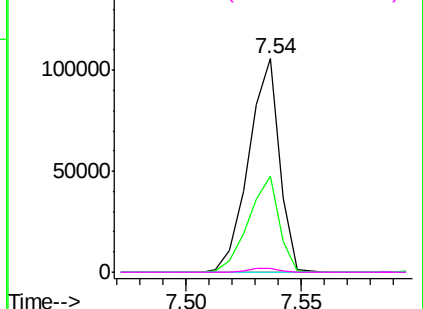


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1006

Delta R.T. 0.00 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

Tgt Ion:136 Resp: 453407

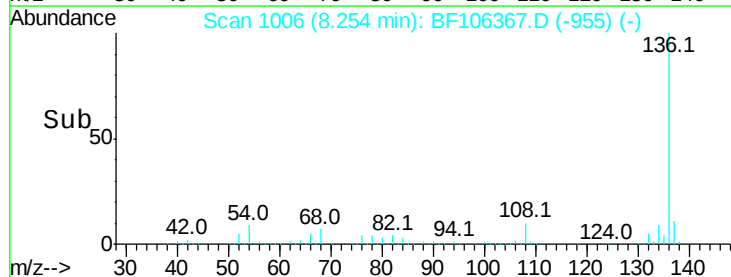
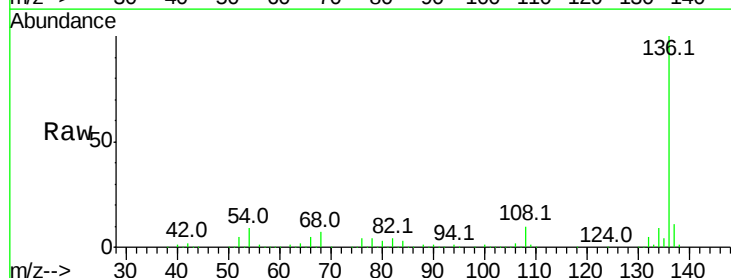
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.8 6.6 9.8

68 7.1 5.0 7.4

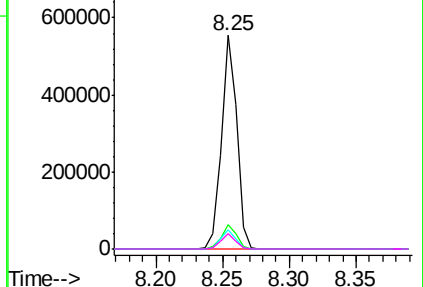


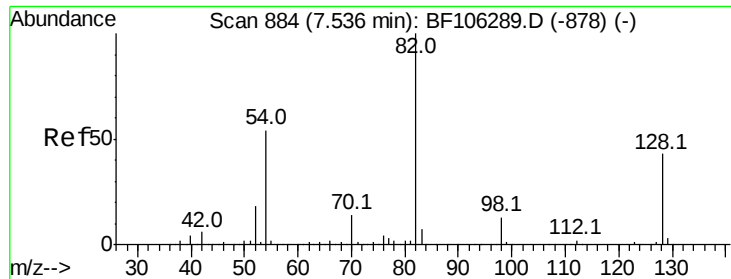
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

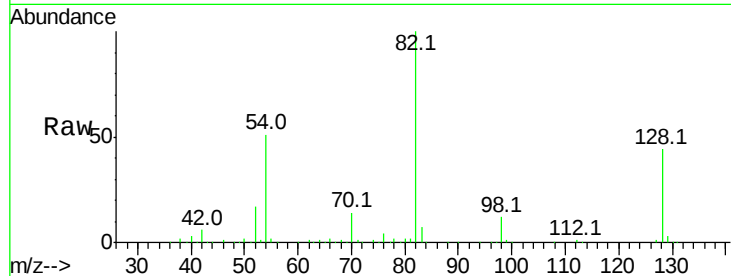




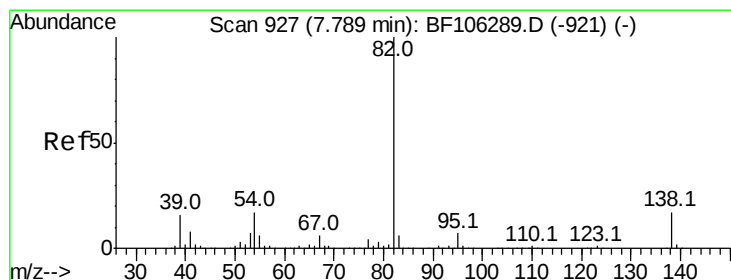
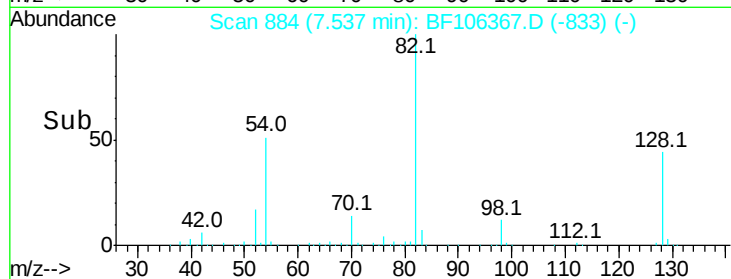
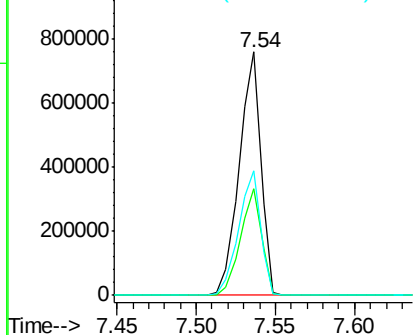
#23
Nitrobenzene-d5
Concen: 93.262 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF106367.D
Acq: 13 Jun 2018 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	718792
Ion Ratio	Lower	Upper	
82	100		
128	43.8	36.1	54.1
54	51.1	41.4	62.2

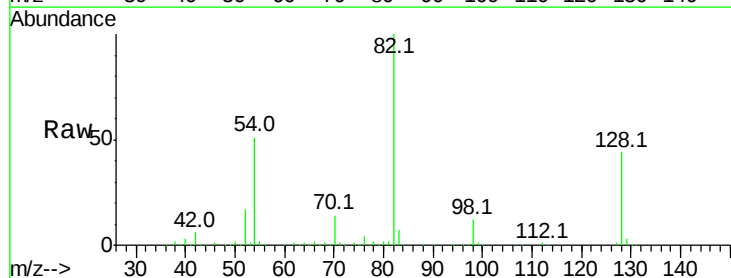


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

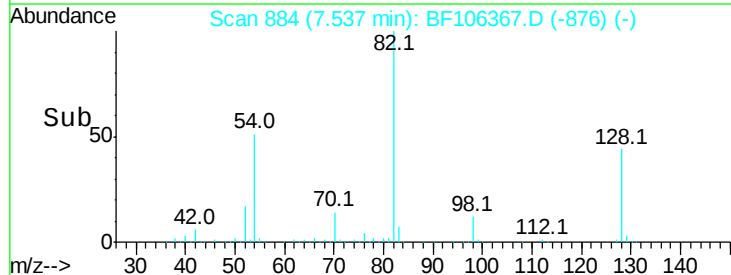
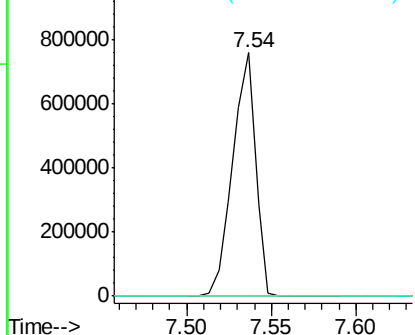


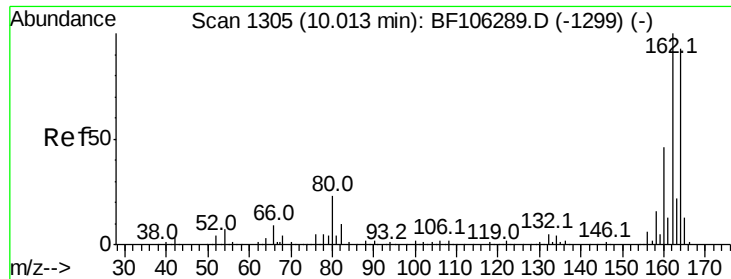
#25
Isophorone
Concen: 47.747 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.25 min
Lab File: BF106367.D
Acq: 13 Jun 2018 1:53

Tgt Ion	82	Resp	718783
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: BF106367.D

Acq: 13 Jun 2018 1:53

Instrument :

BNA_F

ClientSampleId :

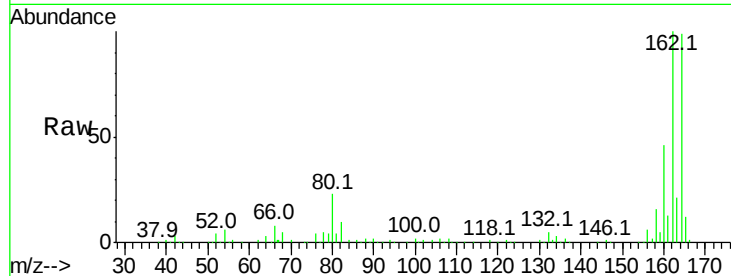
Tot Ion:164 Resp: 190124

Ion Ratio Lower Upper

164 100

162 101.2 86.1 129.1

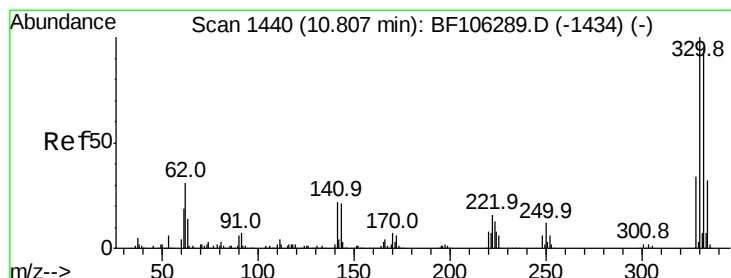
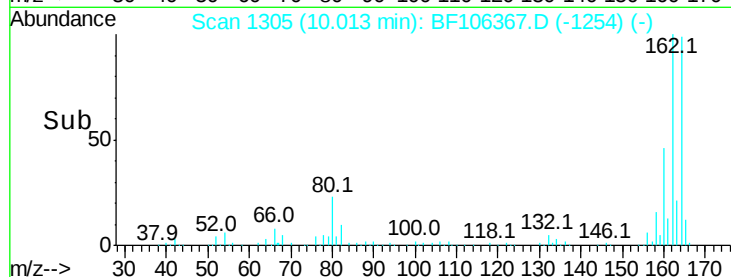
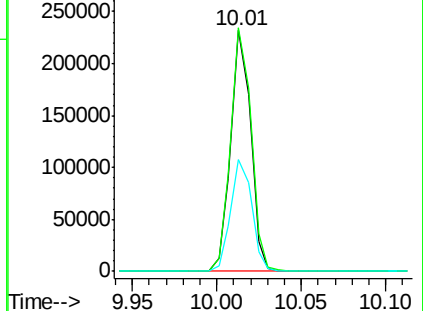
160 46.2 38.3 57.5



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: 131.362 ng

RT: 10.81 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

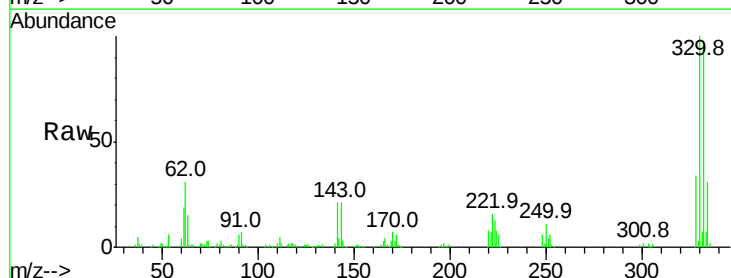
Tgt Ion:330 Resp: 240304

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

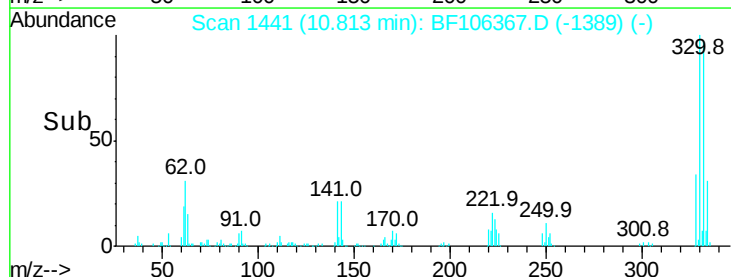
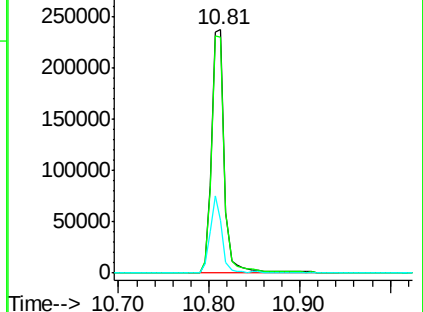
141 29.8 29.9 44.9#

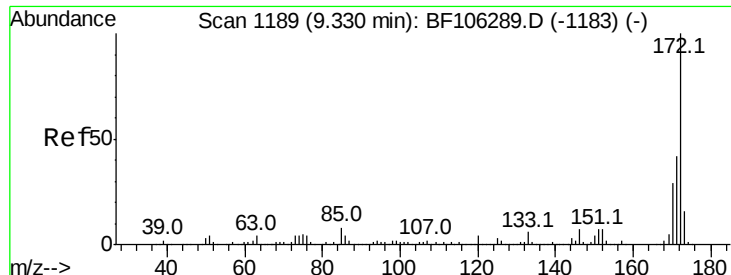


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

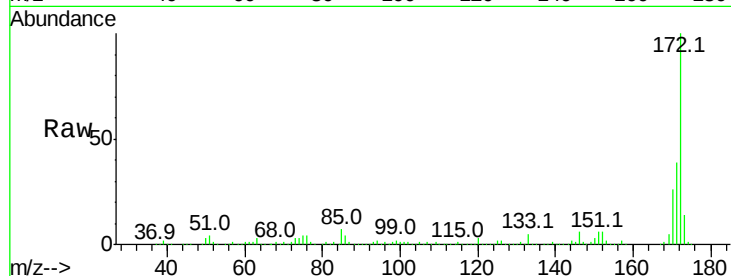




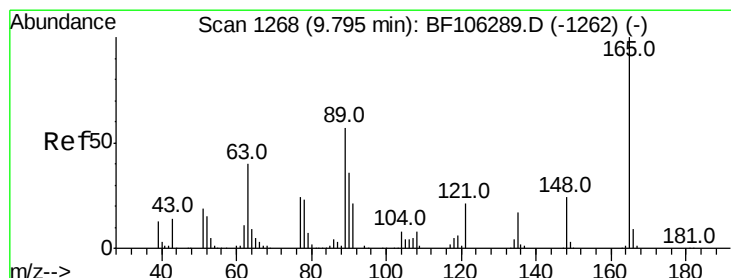
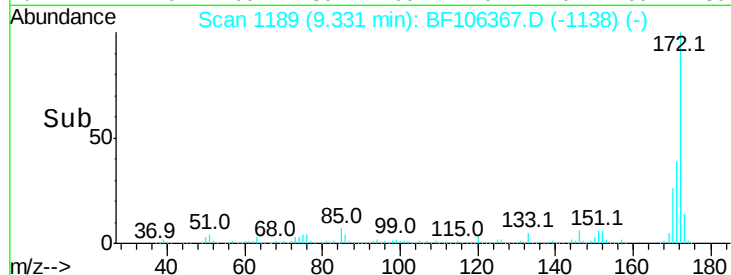
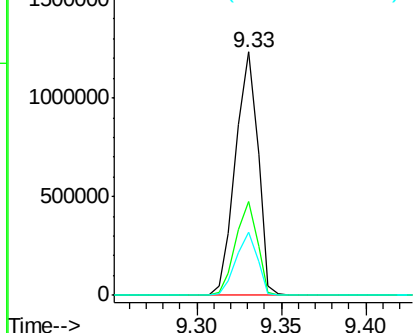
#44
2-Fluorobiphenyl
Concen: 122.022 ng
RT: 9.33 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF106367.D
Acq: 13 Jun 2018 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1144672
Ion Ratio Lower Upper
172 100
171 38.7 29.7 44.5
170 25.9 19.6 29.4

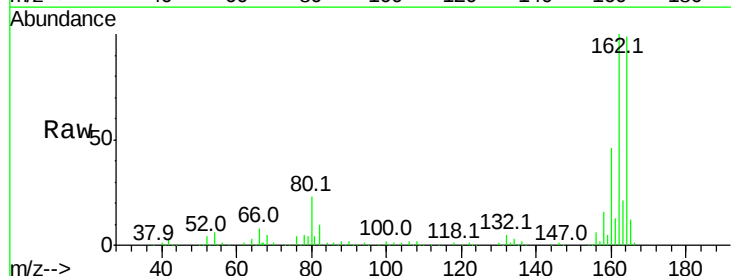


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

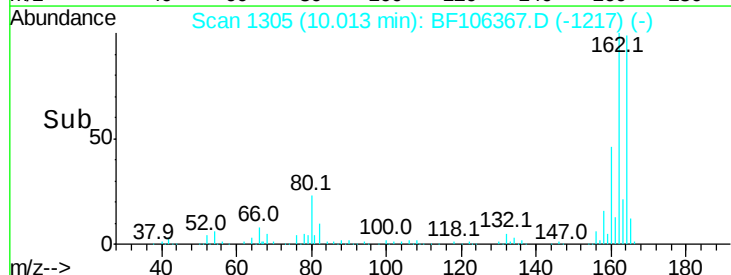
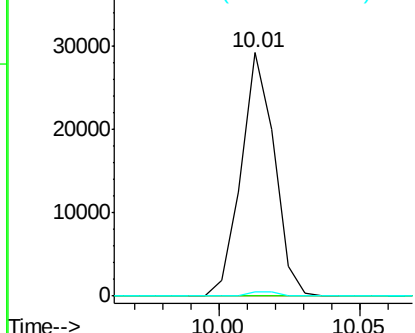


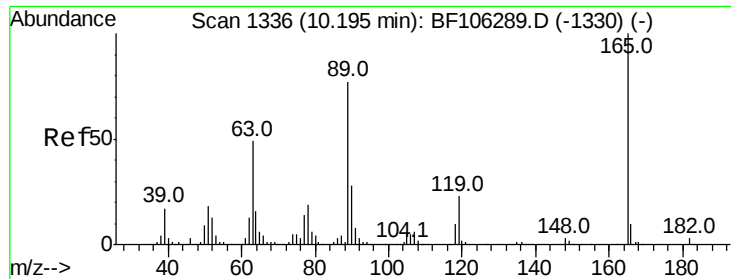
#50
2,6-Dinitrotoluene
Concen: 8.622 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.22 min
Lab File: BF106367.D
Acq: 13 Jun 2018 1:53

Tgt Ion:165 Resp: 23923
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.9 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

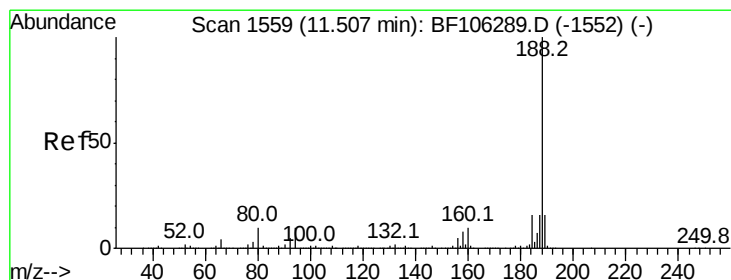
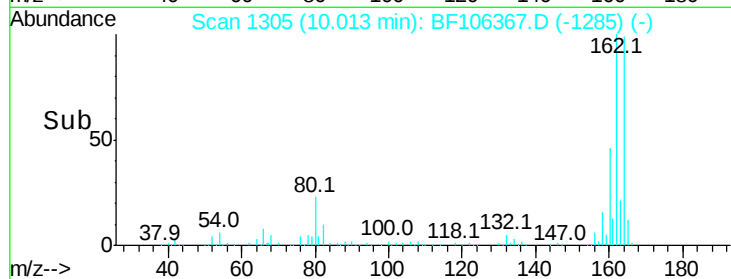
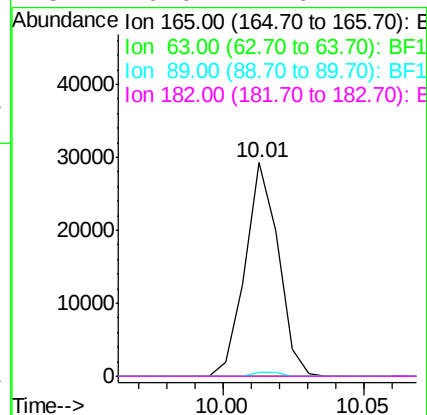
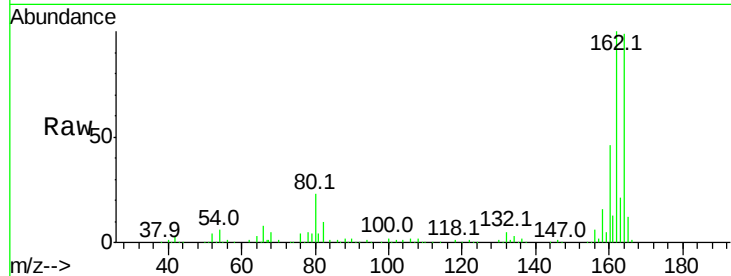




#56
 2,4-Dinitrotoluene
 Concen: 6.866 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.18 min
 Lab File: BF106367.D
 Acq: 13 Jun 2018 1:53

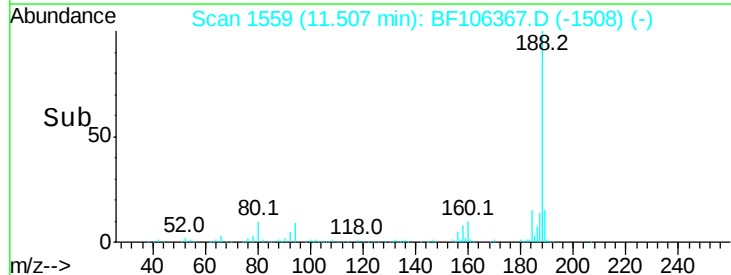
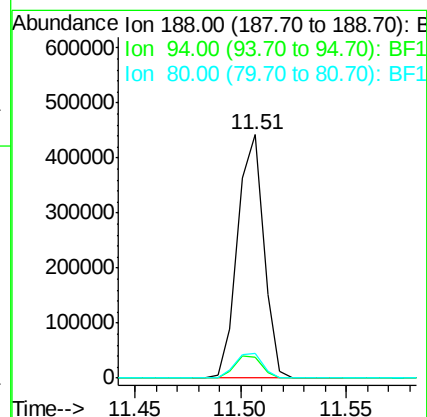
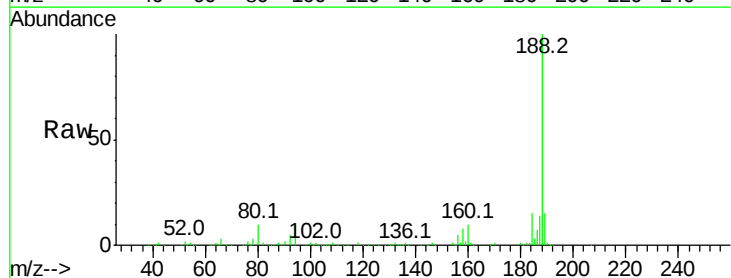
Instrument :
 BNA_F
 ClientSampleId :

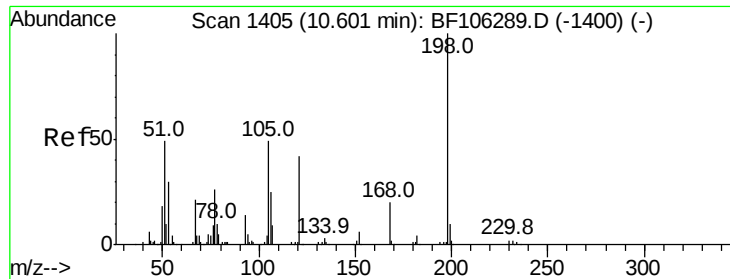
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BF106367.D
 Acq: 13 Jun 2018 1:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	10.1	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 6.470 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.21 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

Instrument :

BNA_F

ClientSampled :

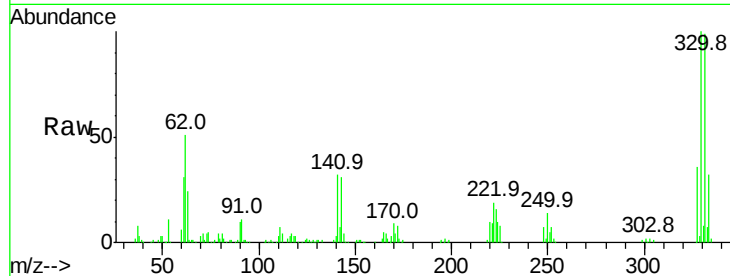
Tot Ion:198 Resp: 412

Ion Ratio Lower Upper

198 100

51 135.0 37.7 77.7#

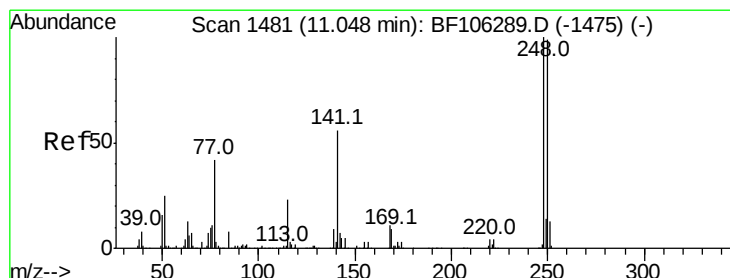
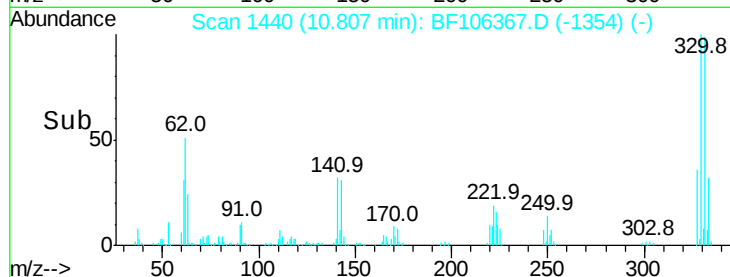
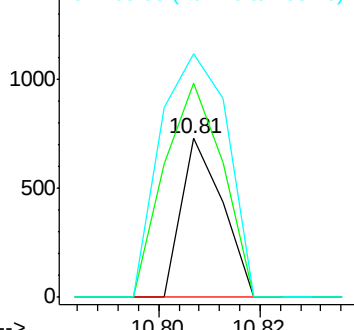
105 153.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.711 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

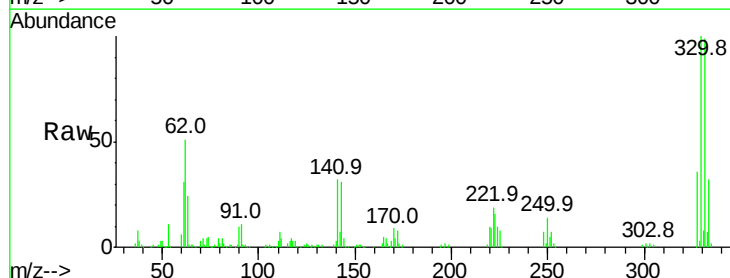
Tgt Ion:248 Resp: 15971

Ion Ratio Lower Upper

248 100

250 193.3 76.9 115.3#

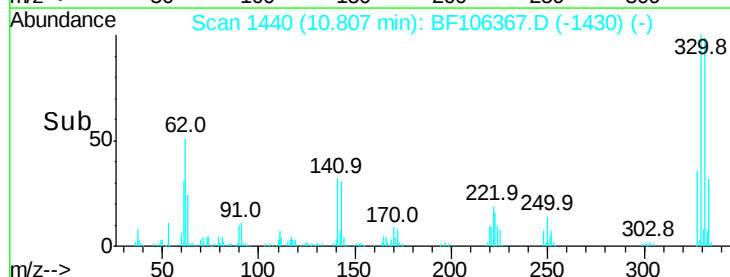
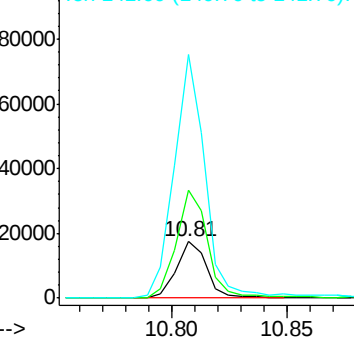
141 433.7 74.4 111.6#

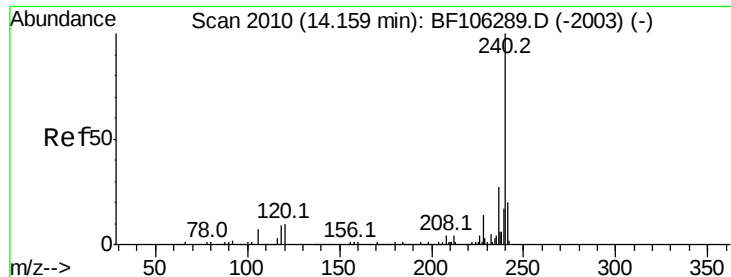


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF106367.D

Acq: 13 Jun 2018 1:53

Instrument :

BNA_F

ClientSampleId :

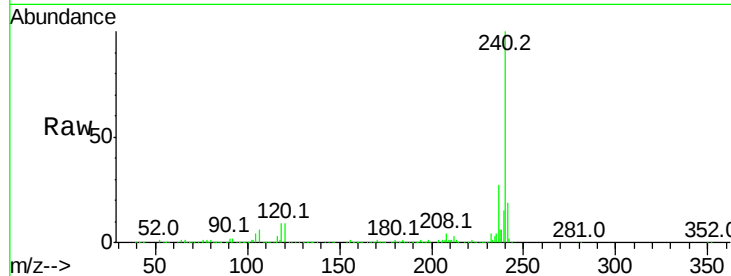
Tot Ion:240 Resp: 375191

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

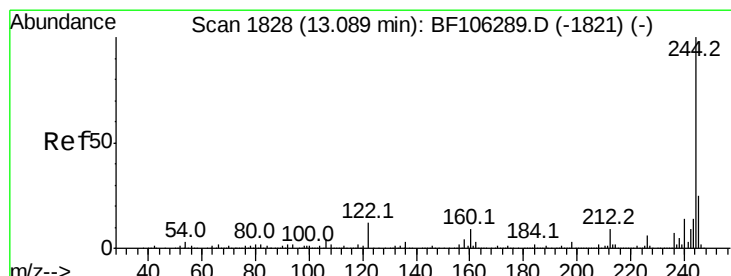
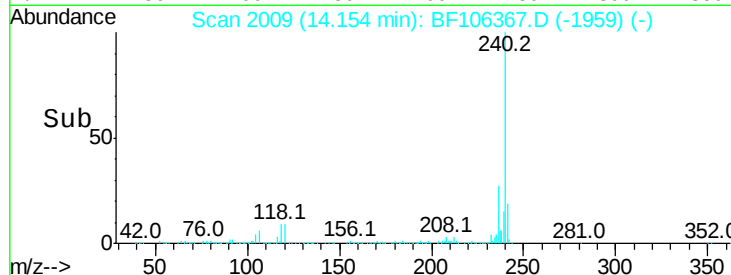
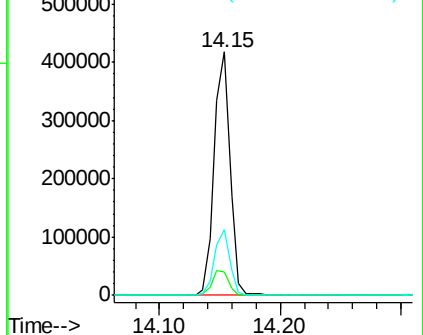
236 26.8 20.7 31.1



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: 91.128 ng

RT: 13.09 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF106367.D

Acq: 13 Jun 2018 1:53

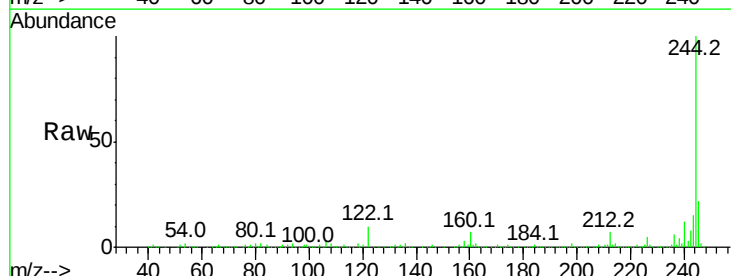
Tgt Ion:244 Resp: 1376543

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

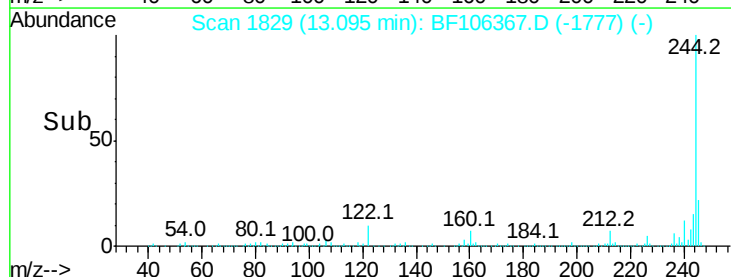
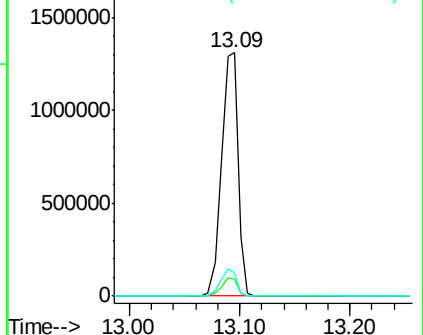
122 9.7 11.0 16.4#

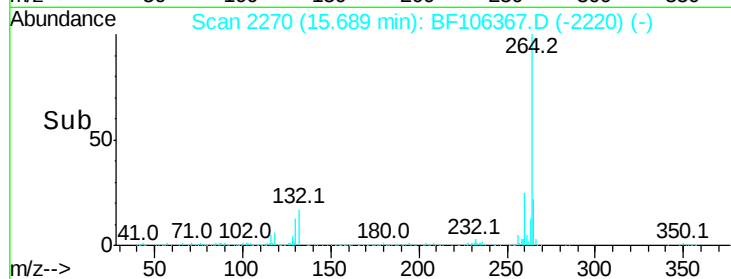
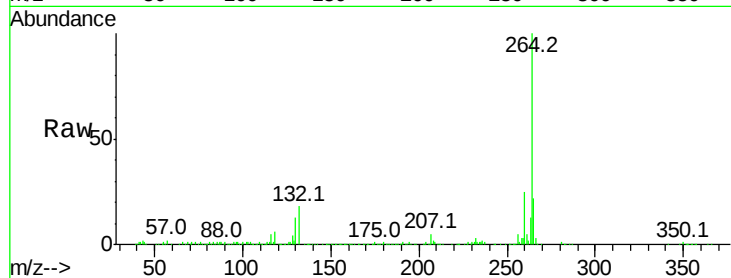
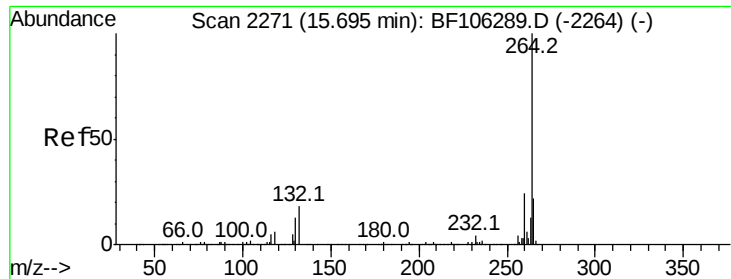


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106367.D
Acq: 13 Jun 2018 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.3	17.5	26.3

