

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110038.D
 Acq On : 20 Oct 2018 8:18
 Operator : JU/SJ
 Sample : PB113996BL
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 02:03:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

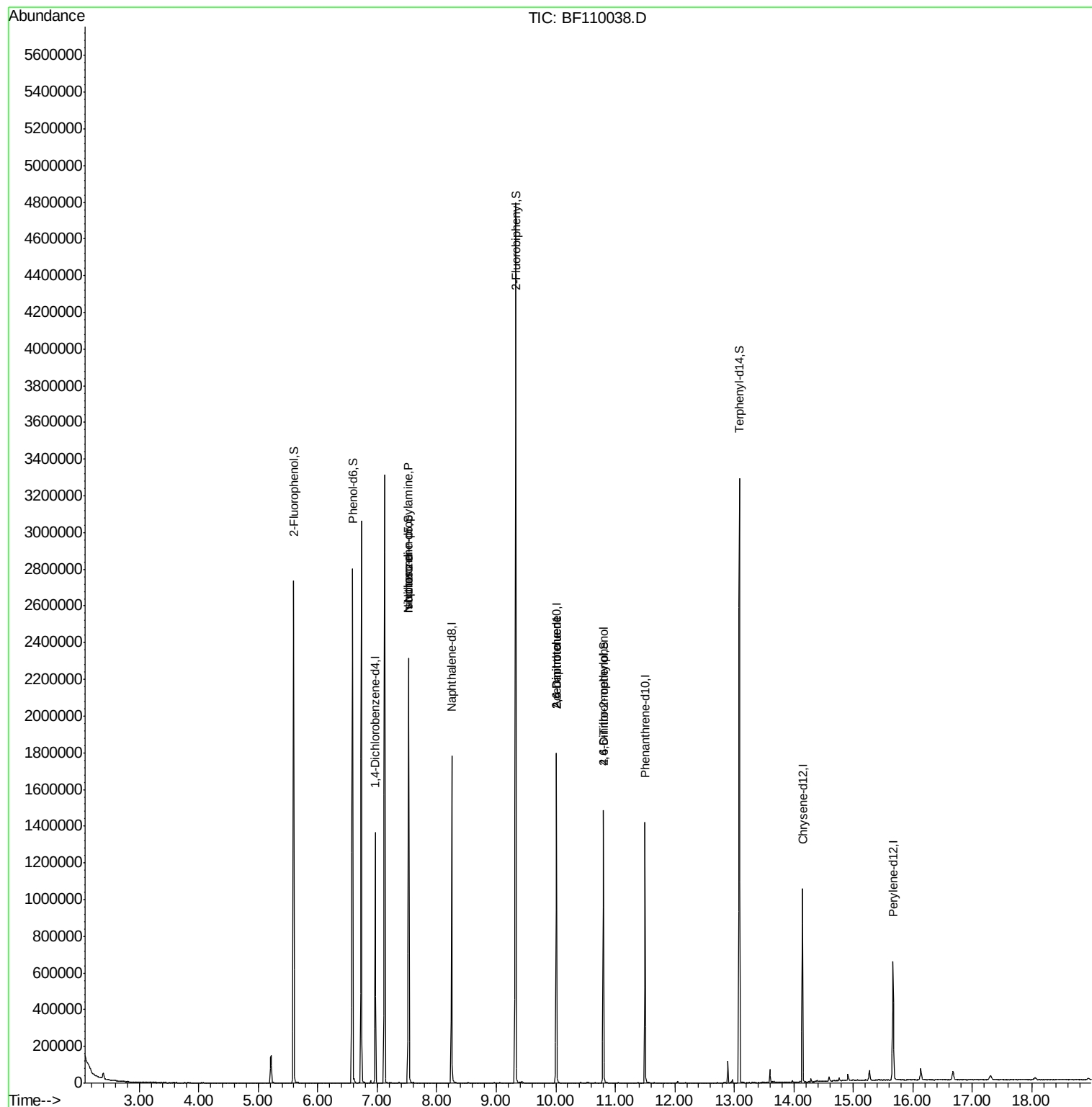
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	196446	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	776013	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	332559	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	525286	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	347499	20.00	ng	-0.02
87) Perylene-d12	15.67	264	288592	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	751691	60.65	ng	0.00
7) Phenol-d6	6.59	99	932598	60.60	ng	-0.02
23) Nitrobenzene-d5	7.53	82	836181	72.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	157200	54.60	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	1468732	70.47	ng	-0.01
79) Terphenyl-d14	13.09	244	1045914	63.20	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	110308	11.164	ng	# 80
25) Isophorone	7.53	82	833898	36.841	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	41514	9.282	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	41514	11.229	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	246	8.012	ng	# 1

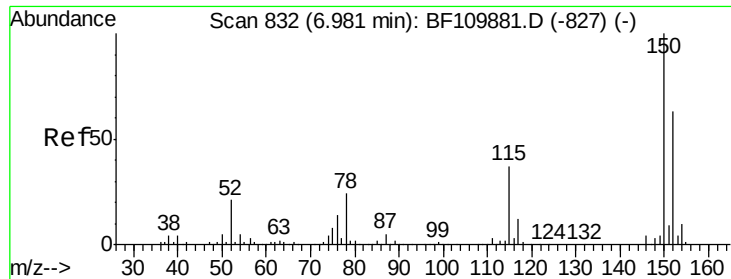
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 22 02:03:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



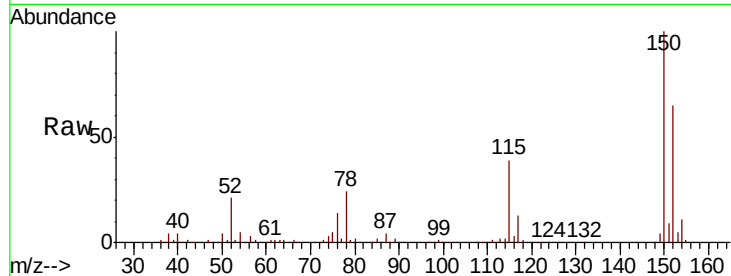


#1

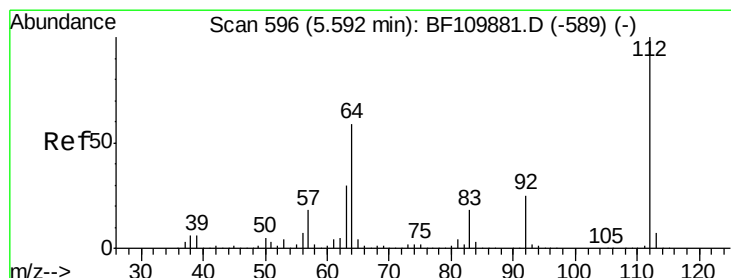
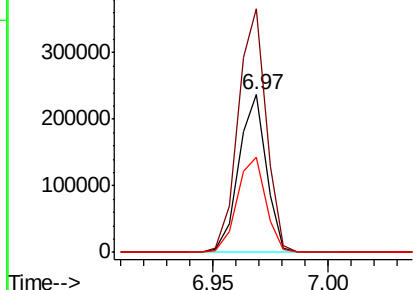
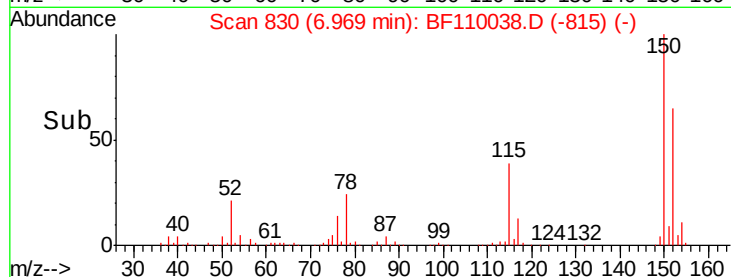
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110038.D
Acq: 20 Oct 2018 8:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 196446
Ion Ratio Lower Upper
152 100
150 154.5 122.7 184.1
115 60.0 49.1 73.7



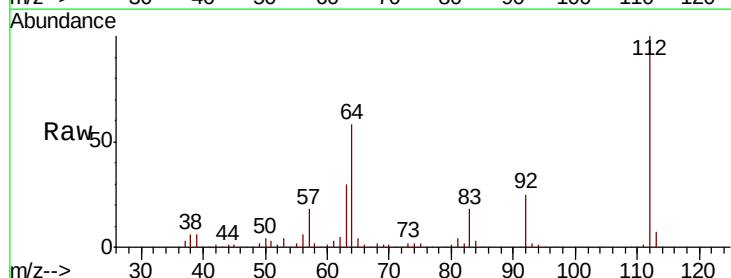
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



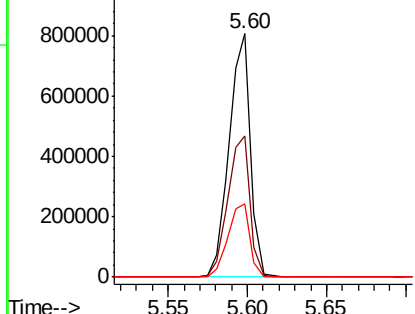
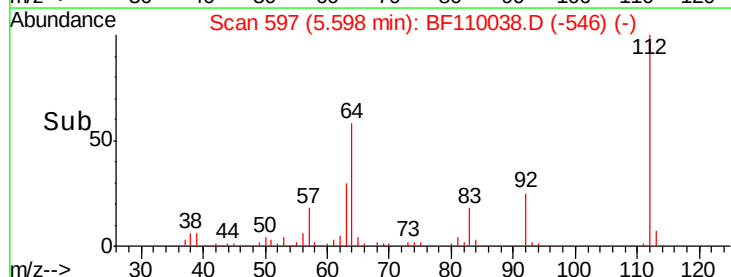
#5

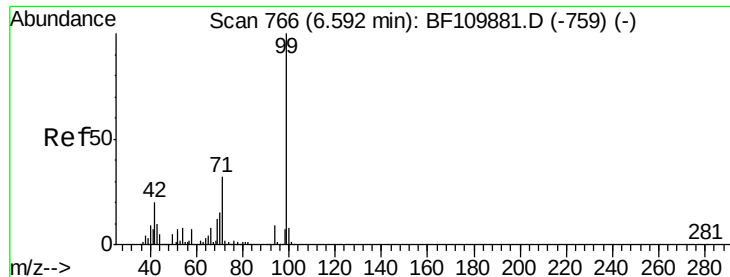
2-Fluorophenol
Concen: 60.654 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF110038.D
Acq: 20 Oct 2018 8:18

Tgt Ion:112 Resp: 751691
Ion Ratio Lower Upper
112 100
64 58.0 44.1 66.1
63 30.3 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: 60.602 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

Instrument :

BNA_F

ClientSampled :

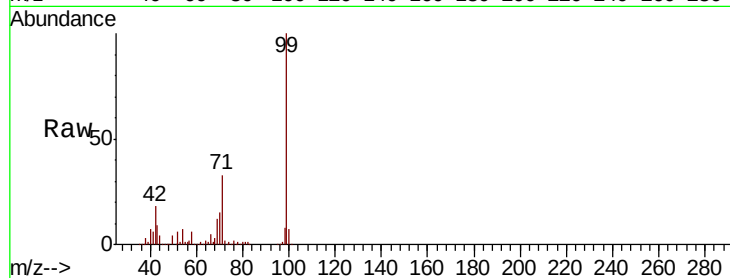
Tot Ion: 99 Resp: 932598

Ion Ratio Lower Upper

99 100

42 18.3 15.8 23.6

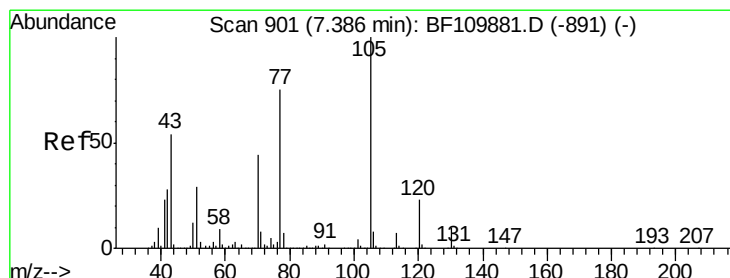
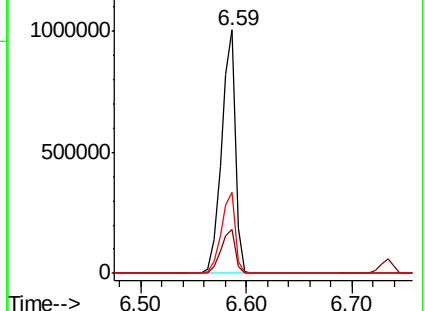
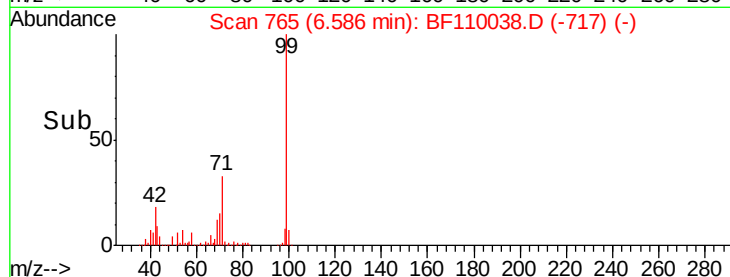
71 33.3 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.164 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.14 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

Tgt Ion: 70 Resp: 110308

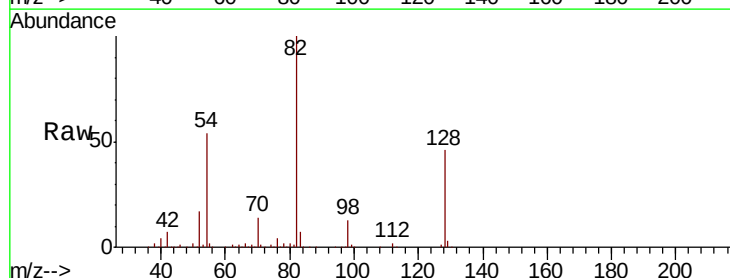
Ion Ratio Lower Upper

70 100

42 49.7 47.4 71.2

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#

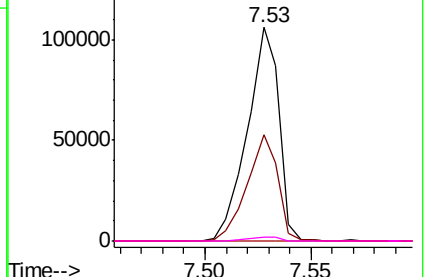
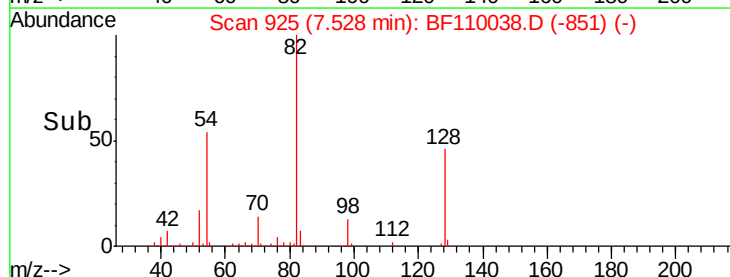


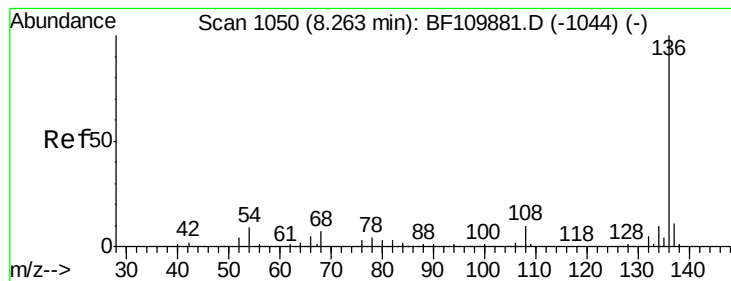
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1048

Delta R.T. -0.02 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 776013

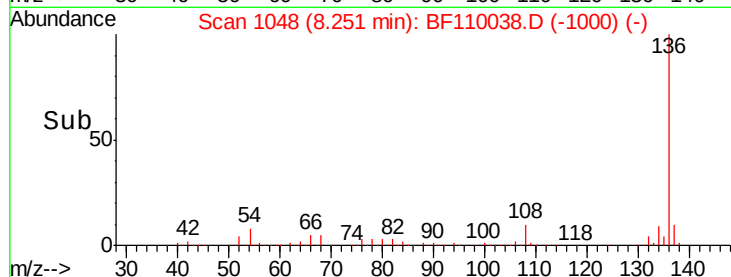
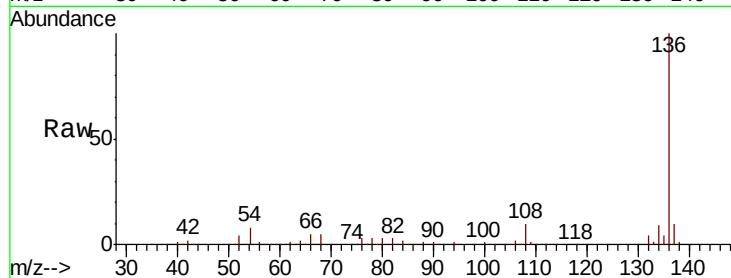
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 7.9 5.4 8.2

68 5.4 4.2 6.2

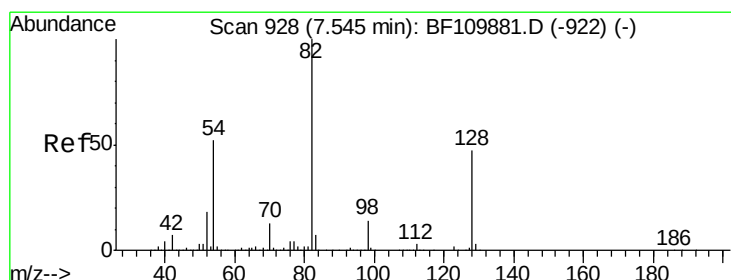
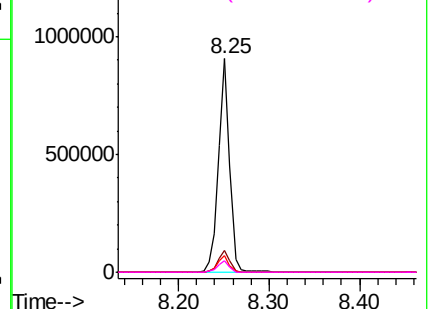


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 72.587 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

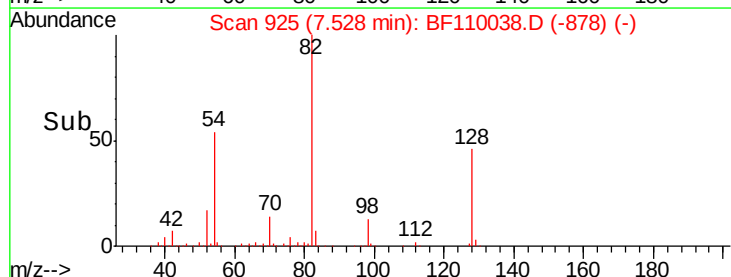
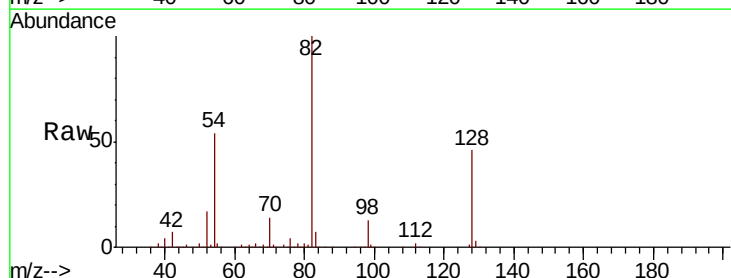
Tgt Ion: 82 Resp: 836181

Ion Ratio Lower Upper

82 100

128 45.6 34.2 51.2

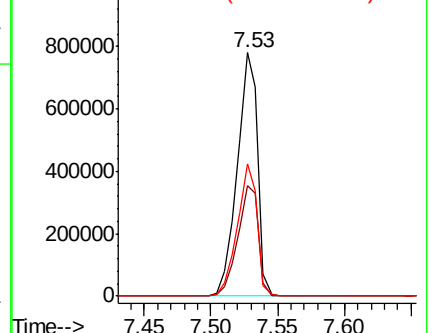
54 54.4 38.6 58.0

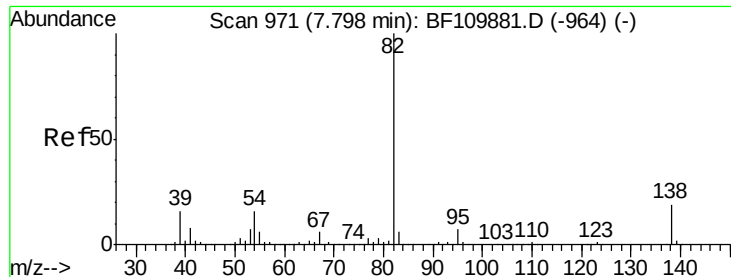


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

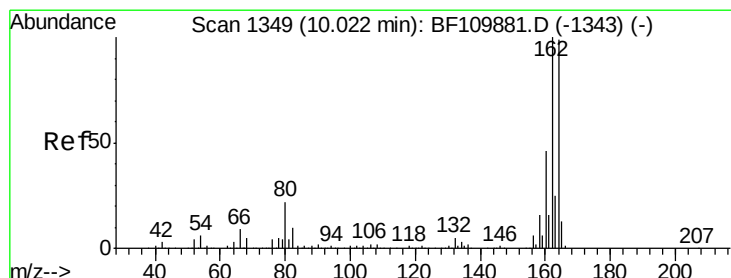
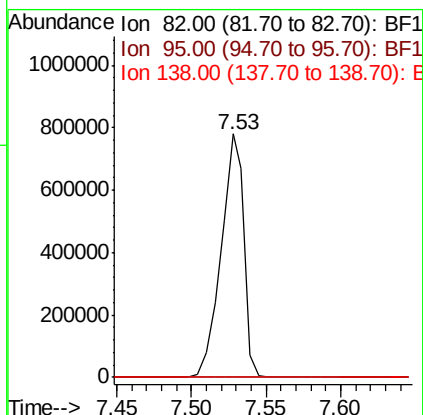
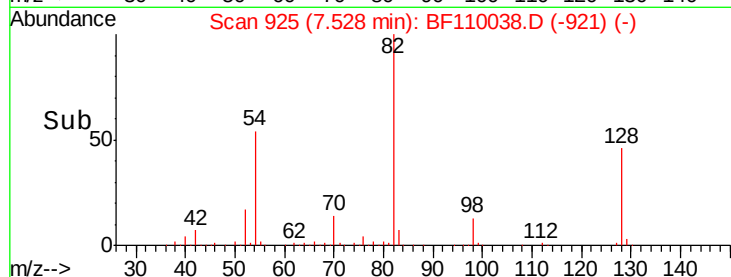
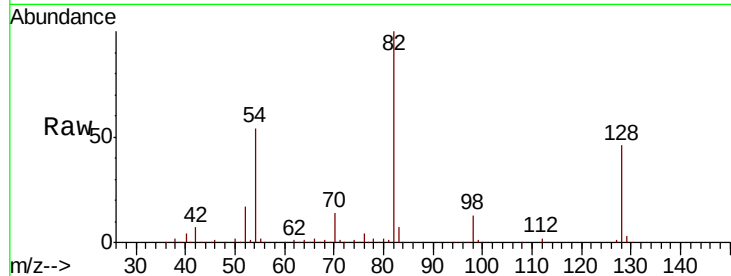




#25
Isophorone
Concen: 36.841 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110038.D
Acq: 20 Oct 2018 8:18

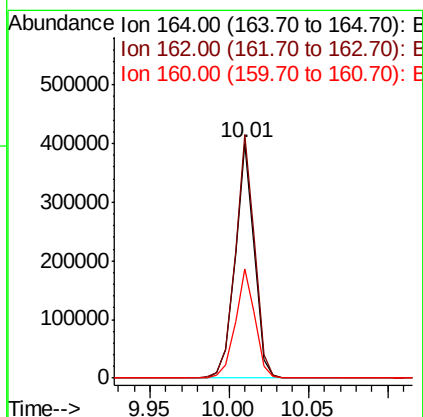
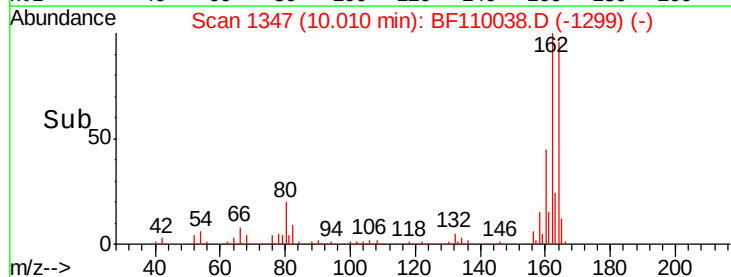
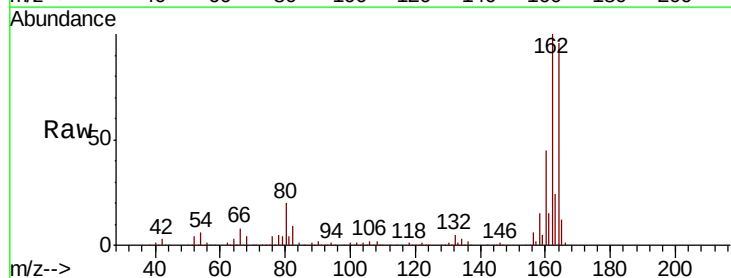
Instrument :
BNA_F
ClientSampleId :

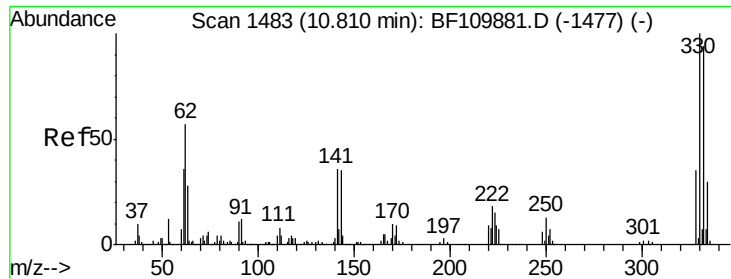
Tot Ion: 82 Resp: 833898
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110038.D
Acq: 20 Oct 2018 8:18

Tgt Ion: 164 Resp: 332559
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.6
160 46.8 37.0 55.6

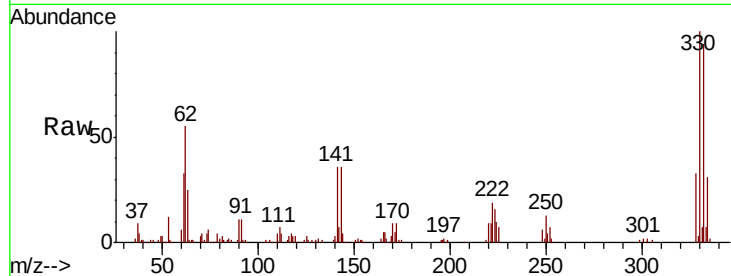




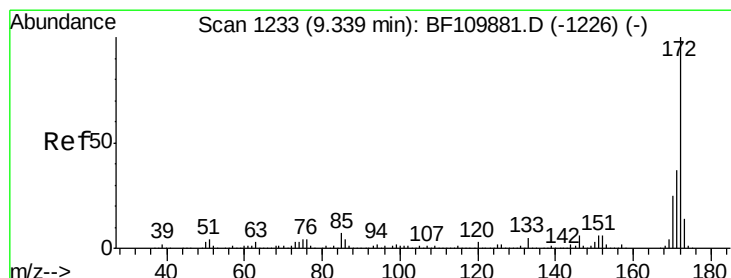
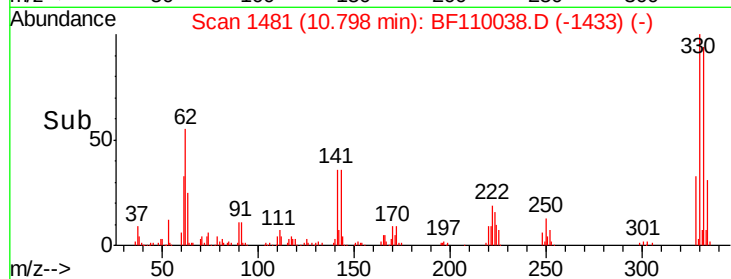
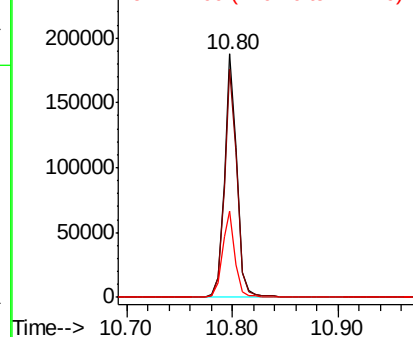
#42
 2,4,6-Tribromophenol
 Concen: 54.598 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110038.D
 Acq: 20 Oct 2018 8:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 157200
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.1 115.7
 141 35.7 27.0 40.4

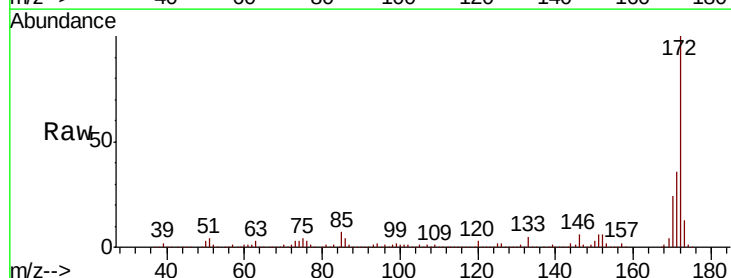


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

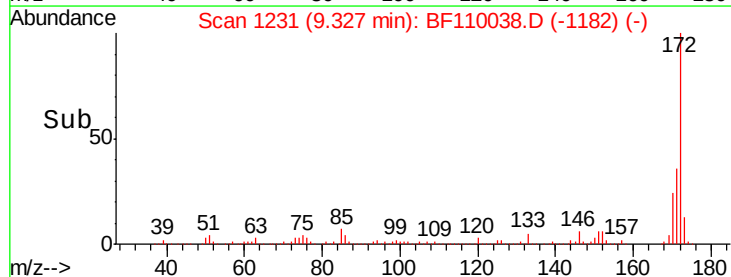
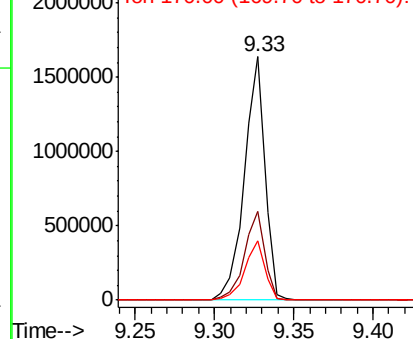


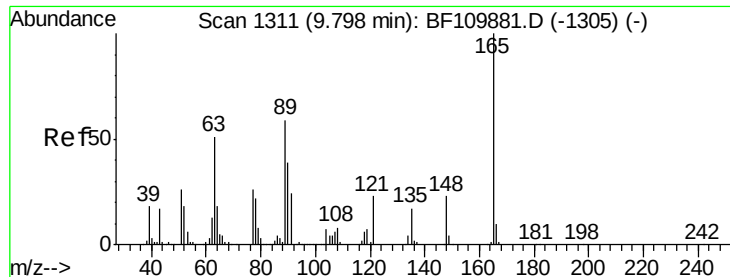
#45
 2-Fluorobiphenyl
 Concen: 70.471 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110038.D
 Acq: 20 Oct 2018 8:18

Tgt Ion:172 Resp: 1468732
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.2 19.7 29.5



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





#51

2,6-Dinitrotoluene

Concen: 9.282 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

Instrument :

BNA_F

ClientSampleId :

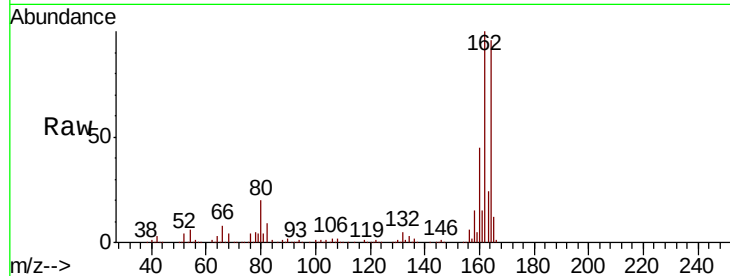
Tot Ion:165 Resp: 41514

Ion Ratio Lower Upper

165 100

63 1.3 48.9 73.3#

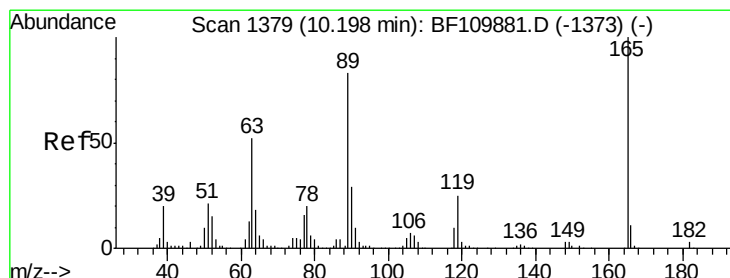
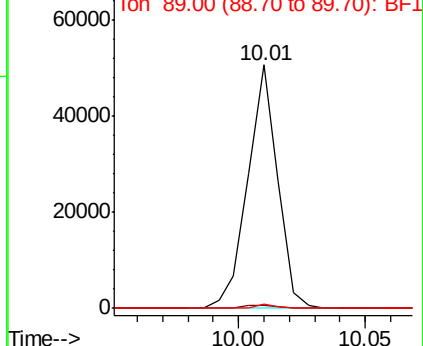
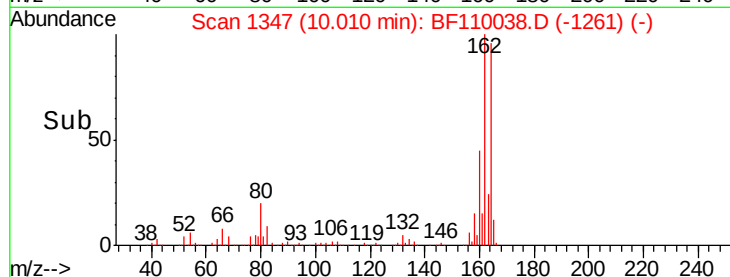
89 1.5 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 11.229 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

Tgt Ion:165 Resp: 41514

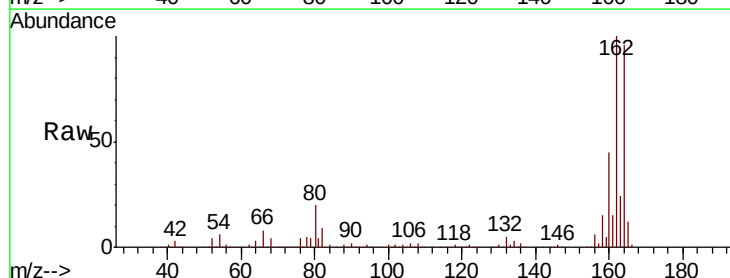
Ion Ratio Lower Upper

165 100

63 1.3 44.8 67.2#

89 1.5 62.2 93.4#

182 0.0 2.1 3.1#

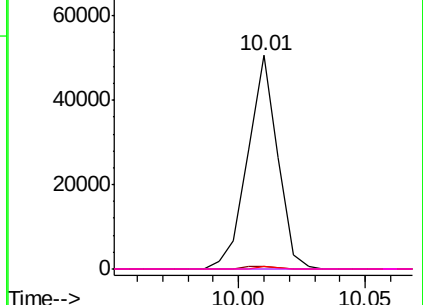
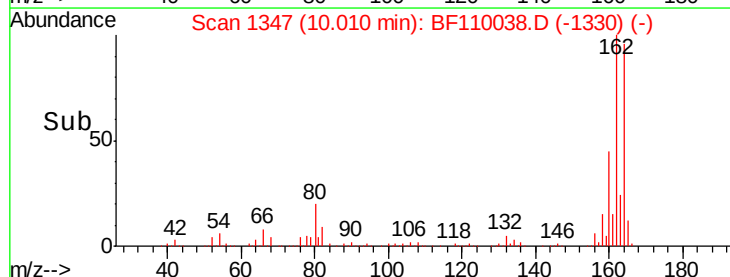


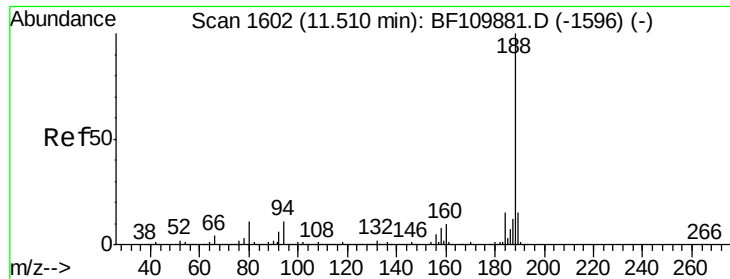
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

Instrument :

BNA_F

ClientSampleId :

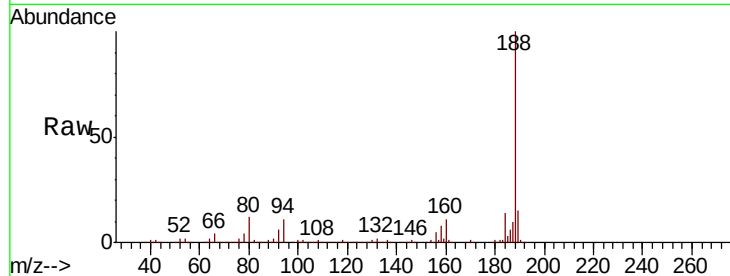
Tot Ion:188 Resp: 525286

Ion Ratio Lower Upper

188 100

94 10.6 7.2 10.8

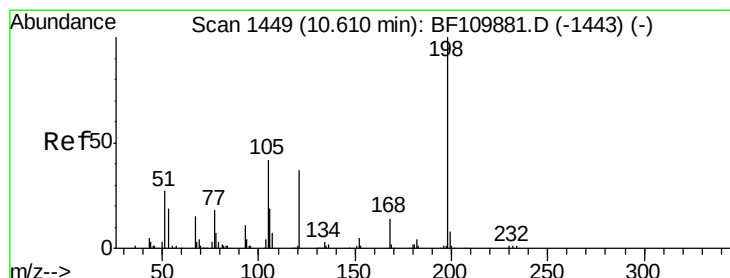
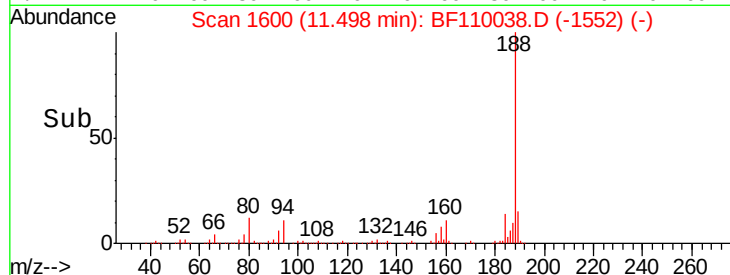
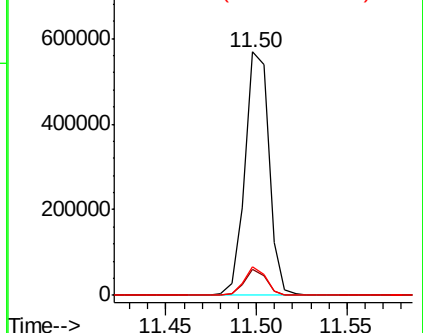
80 11.8 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.012 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110038.D

Acq: 20 Oct 2018 8:18

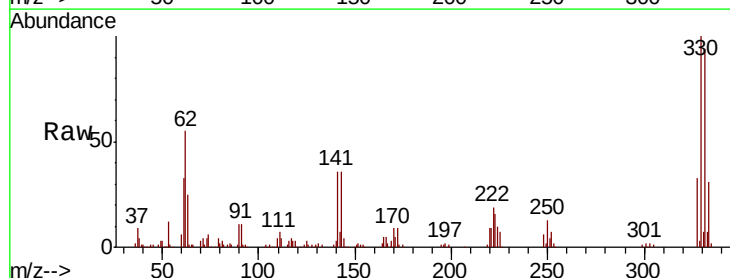
Tgt Ion:198 Resp: 246

Ion Ratio Lower Upper

198 100

51 235.9 22.8 62.8#

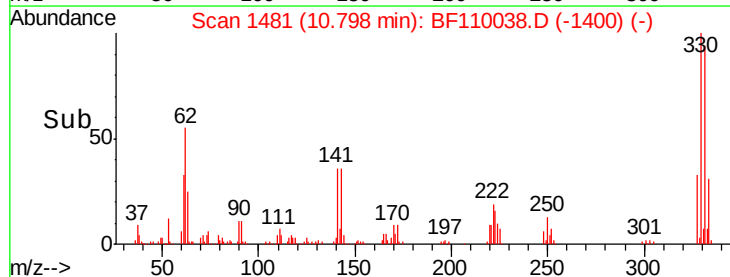
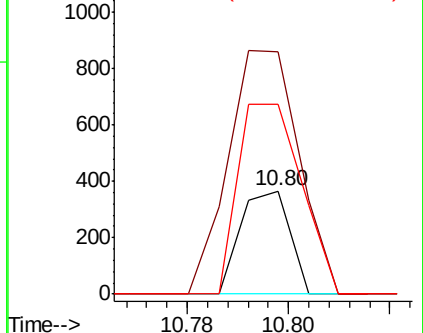
105 184.4 23.6 63.6#

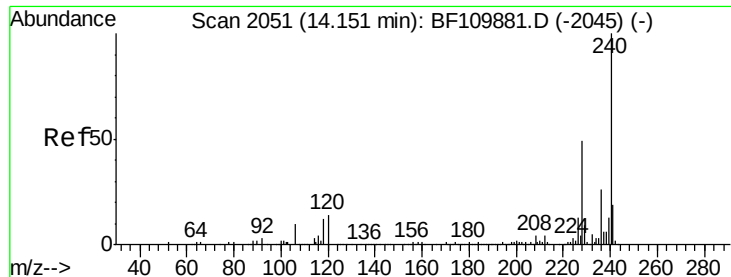


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

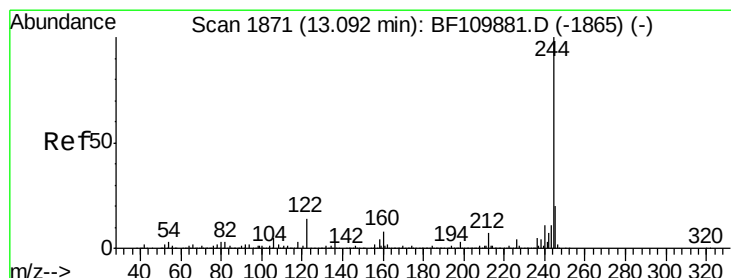
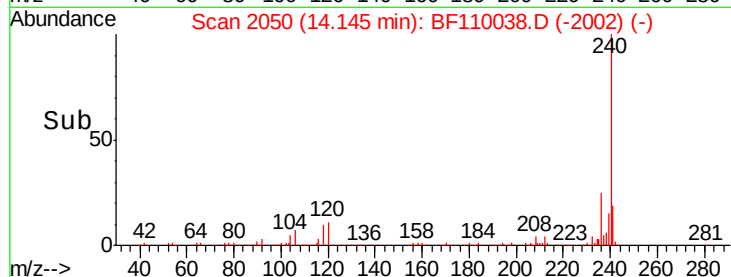
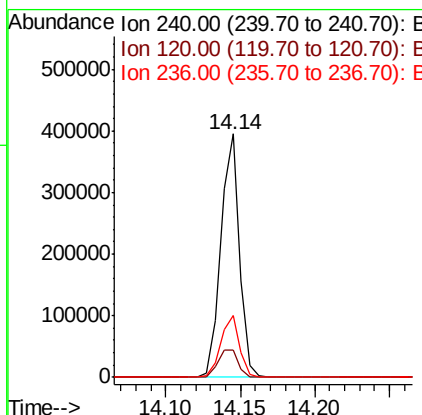
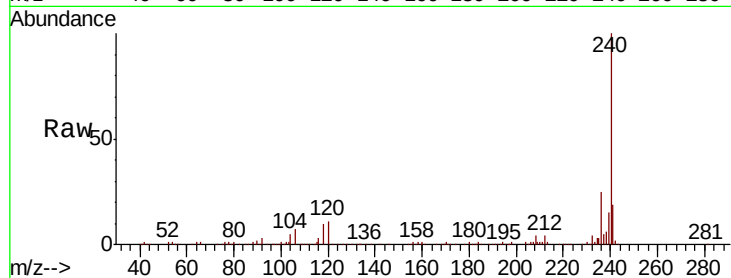




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BF110038.D
 Acq: 20 Oct 2018 8:18

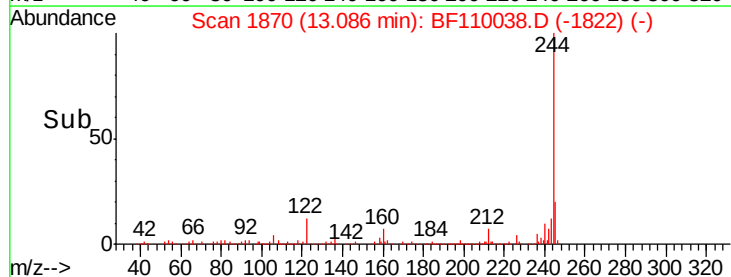
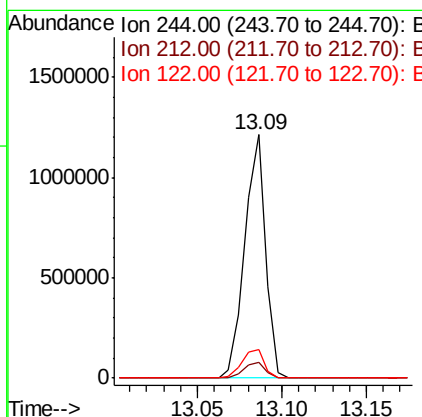
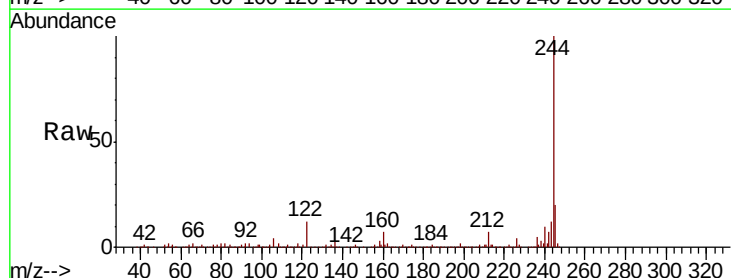
Instrument :
 BNA_F
 ClientSampleID :

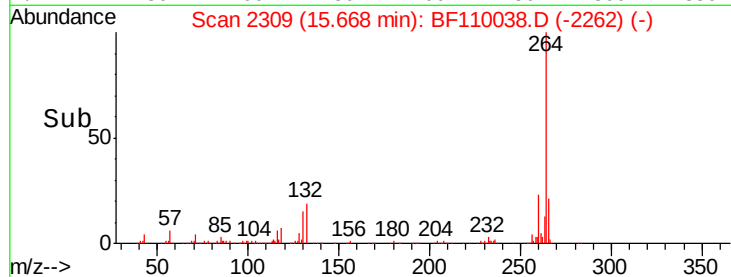
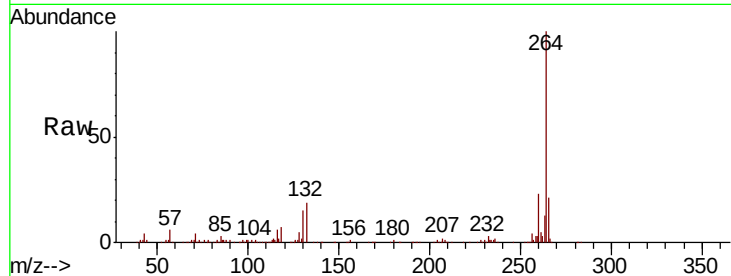
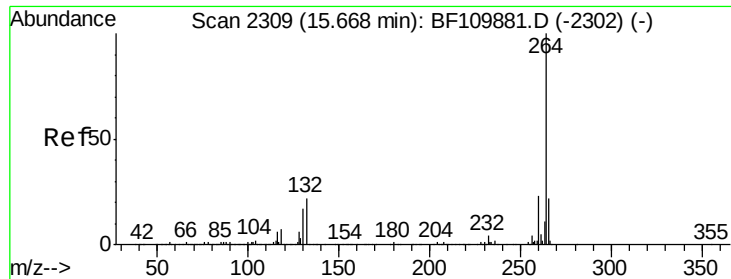
Tot Ion:240 Resp: 347499
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.3 12.5
 236 25.3 21.2 31.8



#79
 Terphenyl-d14
 Concen: 63.204 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110038.D
 Acq: 20 Oct 2018 8:18

Tgt Ion:244 Resp: 1045914
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 11.7 8.7 13.1





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110038.D
Acq: 20 Oct 2018 8:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.1	16.7	25.1

