

Data File : BF100707.D
Acq On : 18 Nov 2017 8:11
Operator : SJ/JU
Sample : PB104346TB
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB104346TB

Quant Time: Nov 20 00:10:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	95245	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	376990	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	167377	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	285457	20.00	ng	0.00
75) Chrysene-d12	14.04	240	226781	20.00	ng	0.00
86) Perylene-d12	15.52	264	188771	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	711670	119.78	ng	0.02
7) Phenol-d6	6.51	99	851561	116.22	ng	0.00
23) Nitrobenzene-d5	7.45	82	539969	94.70	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	200742	117.70	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1087381	98.92	ng	0.00
78) Terphenyl-d14	12.99	244	887048	89.87	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	15286	2.92	ng	84
19) n-Nitroso-di-n-propylamine	7.45	70	70801	13.93	ng	# 81
25) Isophorone	7.45	82	539964	45.06	ng	# 64
47) 2-Nitroaniline	9.24	65	1305	3.18	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	21151	8.36	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	21151	6.63	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.71	198	286	8.73	ng	# 37
66) 4-Bromophenyl-phenylether	10.71	248	12525	4.09	ng	# 1

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

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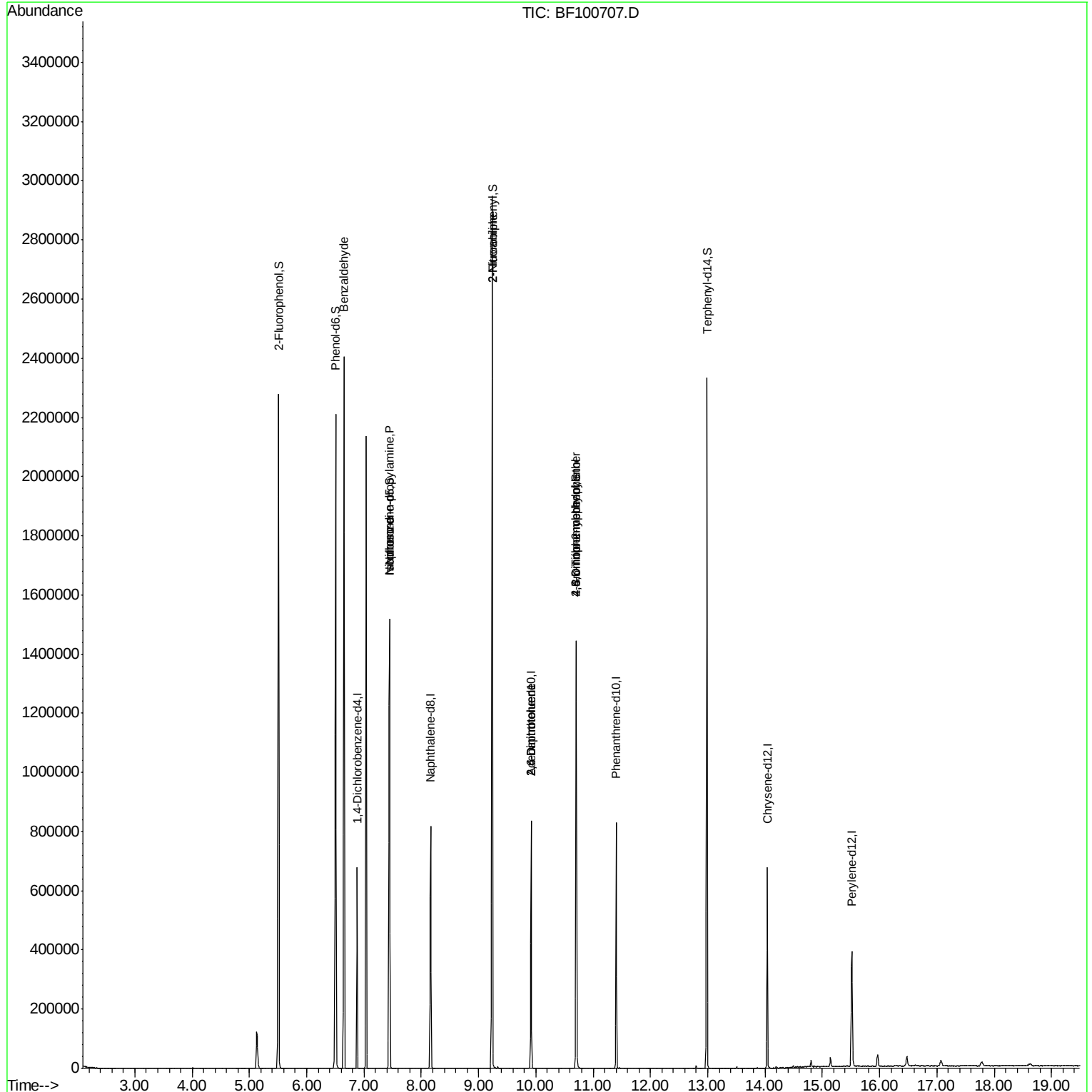
Quant Time: Nov 20 00:10:39 2017

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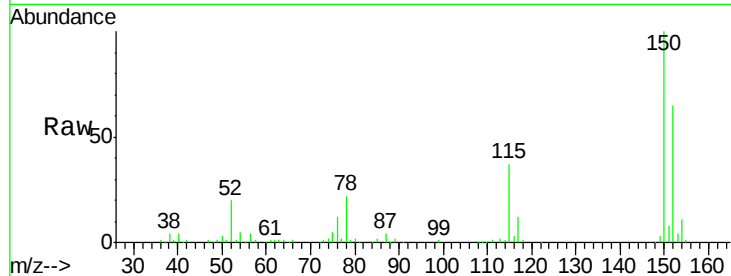


#1

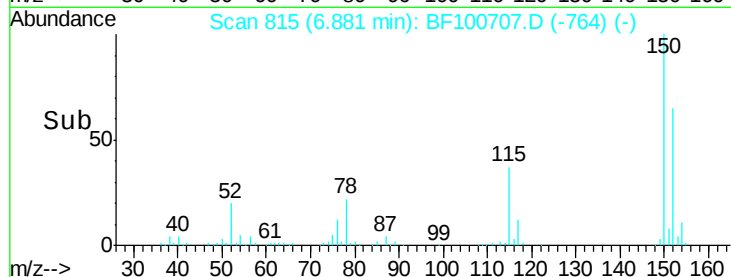
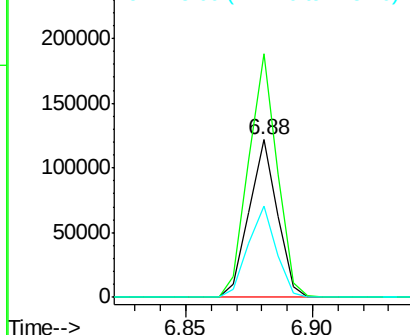
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF100707.D
Acq: 18 Nov 2017 8:11

Instrument :
BNA_F
ClientSampleId :
PB104346TB

Tgt Ion:152 Resp: 95245
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 57.8 50.1 75.1



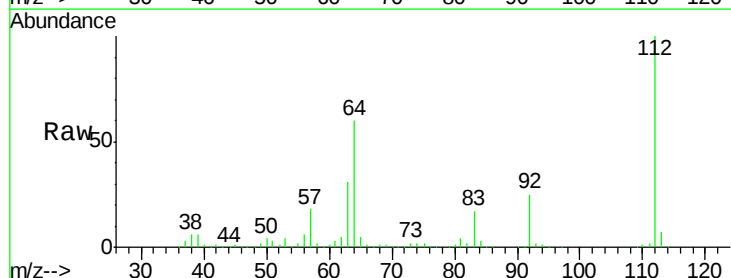
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



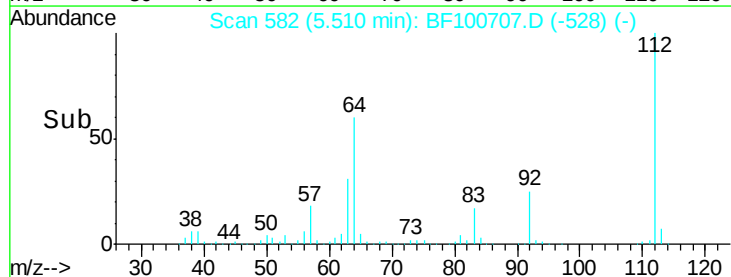
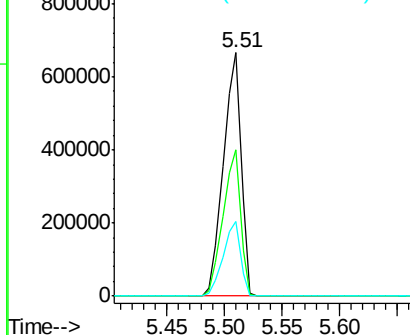
#5

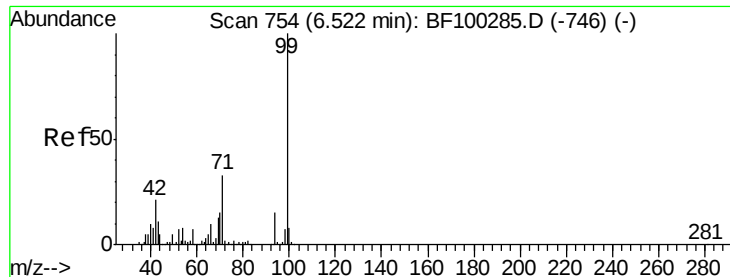
2-Fluorophenol
Concen: 119.78 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF100707.D
Acq: 18 Nov 2017 8:11

Tgt Ion:112 Resp: 711670
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 30.5 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: 116.22 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100707.D

Acq: 18 Nov 2017 8:11

Instrument :

BNA_F

ClientSampleId :

PB104346TB

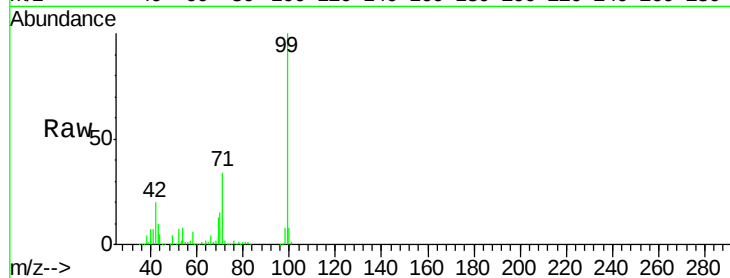
Tgt Ion: 99 Resp: 851561

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

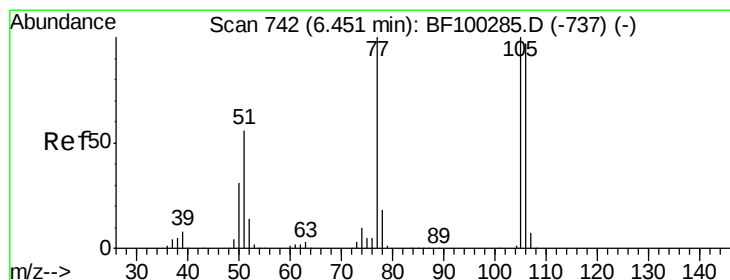
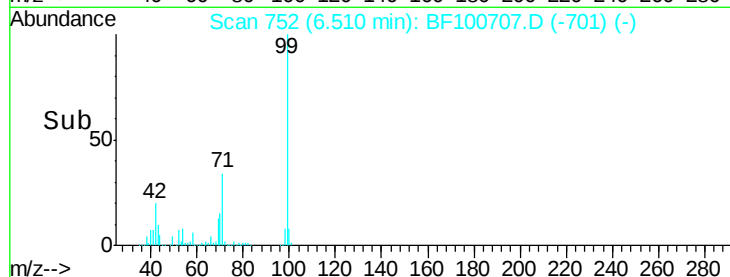
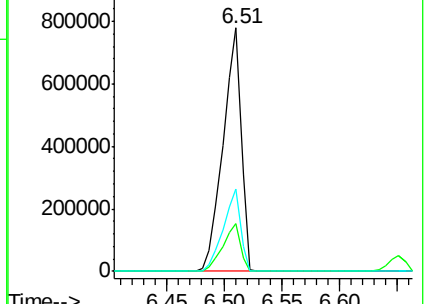
71 33.7 25.4 38.0



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: 2.92 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF100707.D

Acq: 18 Nov 2017 8:11

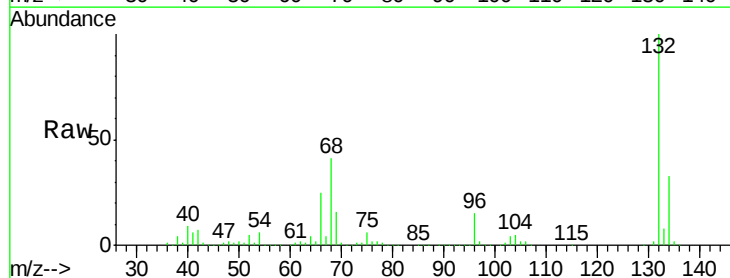
Tgt Ion: 77 Resp: 15286

Ion Ratio Lower Upper

77 100

105 83.8 81.1 121.1

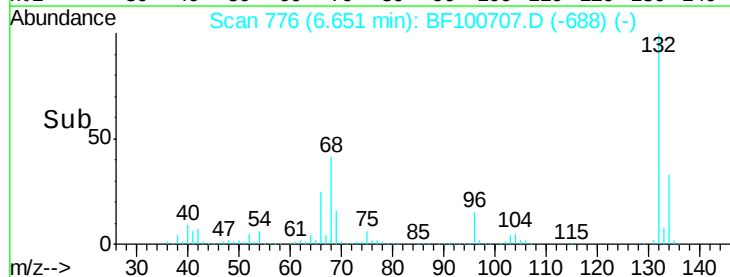
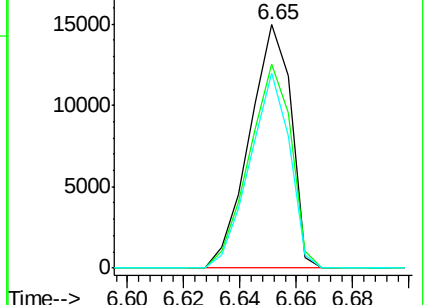
106 80.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 13.93 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100707.D

Acq: 18 Nov 2017 8:11

Instrument :

BNA_F

ClientSampleId :

PB104346TB

Tgt Ion: 70 Resp: 70801

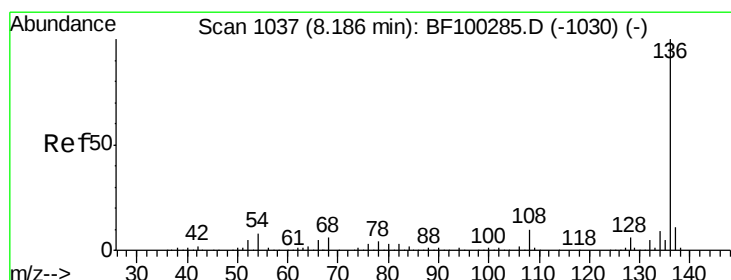
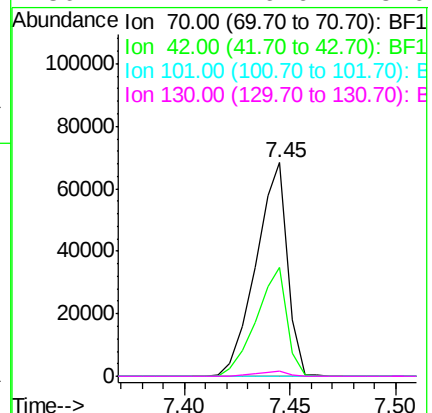
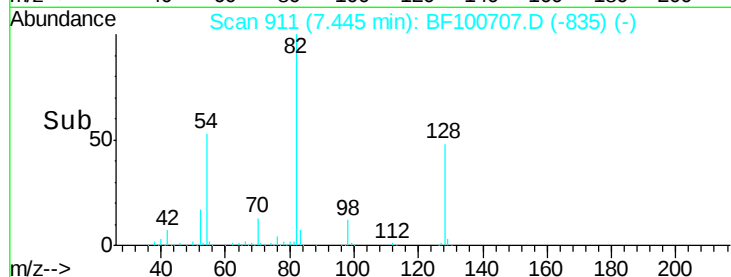
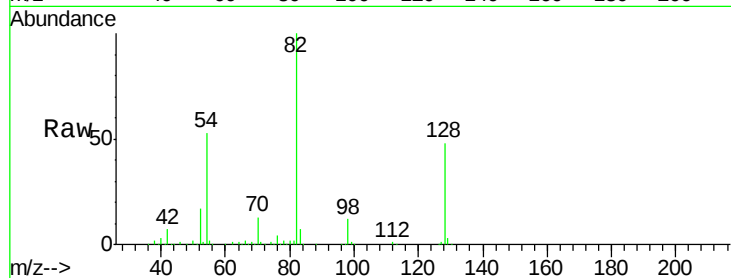
Ion Ratio Lower Upper

70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100707.D

Acq: 18 Nov 2017 8:11

Tgt Ion: 136 Resp: 376990

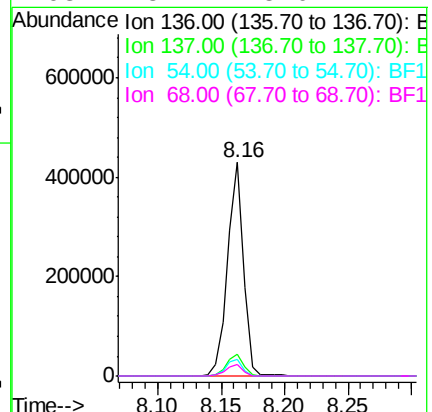
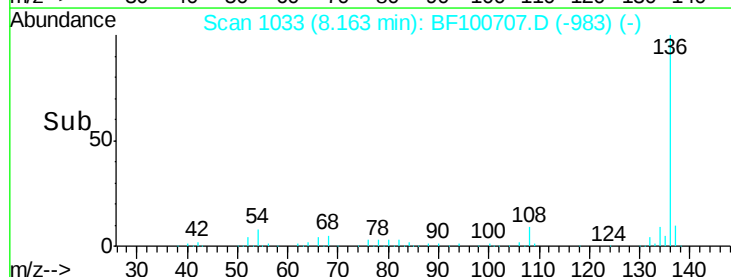
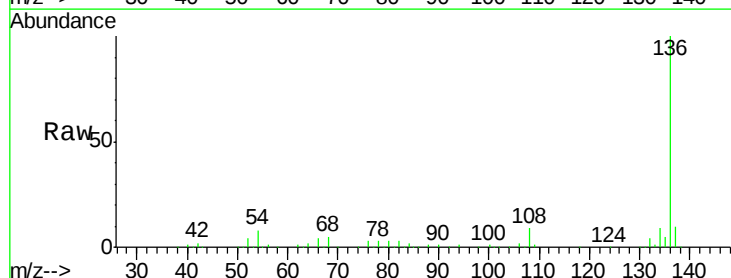
Ion Ratio Lower Upper

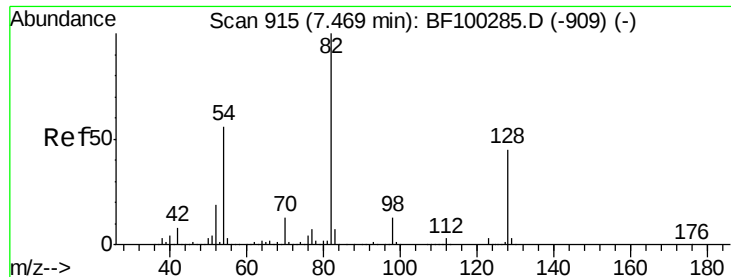
136 100

137 10.4 8.9 13.3

54 7.8 6.6 9.8

68 5.2 5.0 7.4

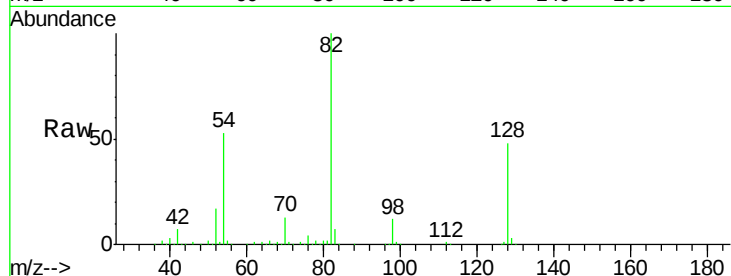




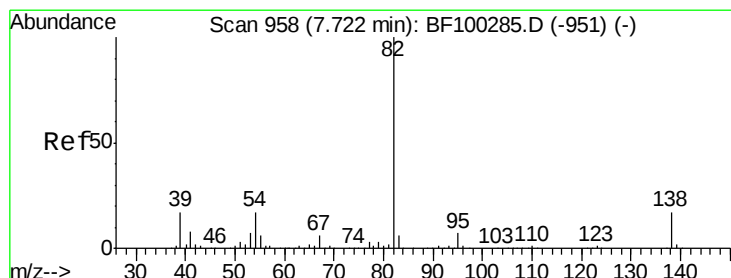
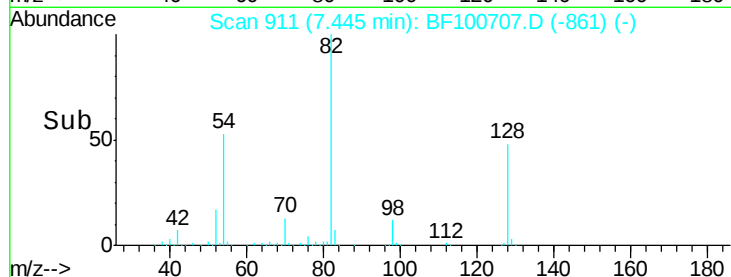
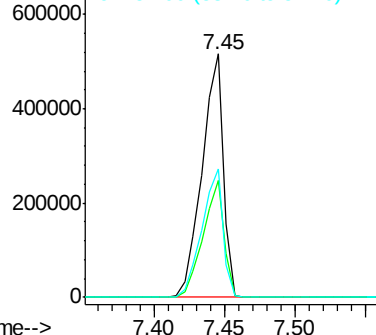
#23
 Nitrobenzene-d5
 Concen: 94.70 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 PB104346TB

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	52.5	41.4	62.2

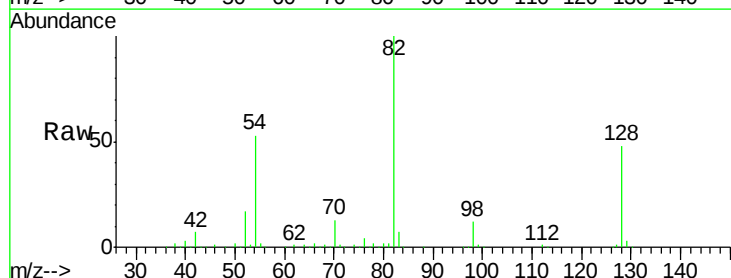


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

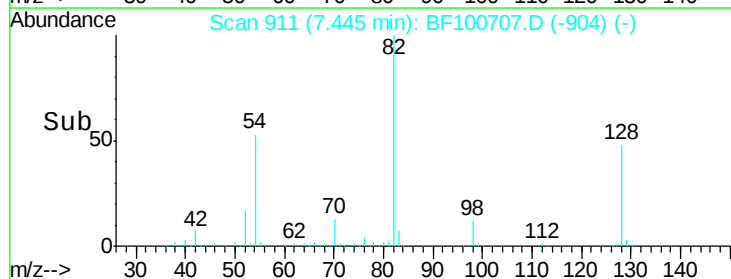
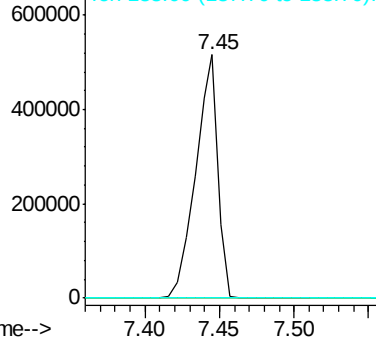


#25
 Isophorone
 Concen: 45.06 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Tgt 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

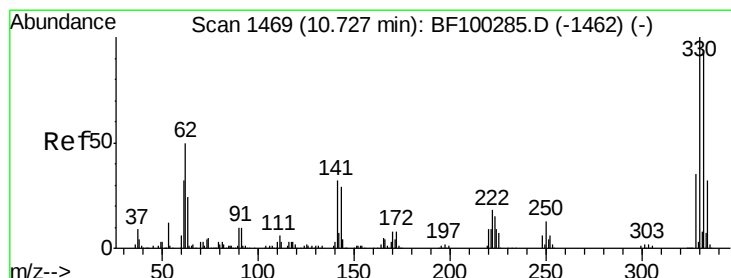
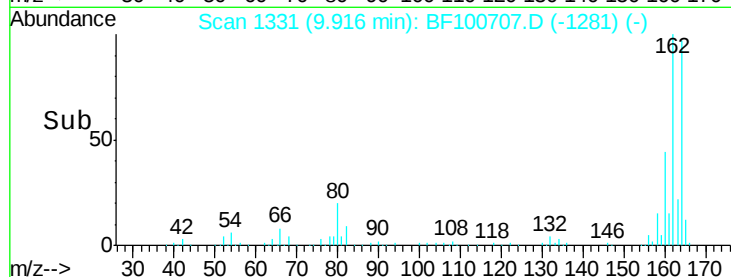
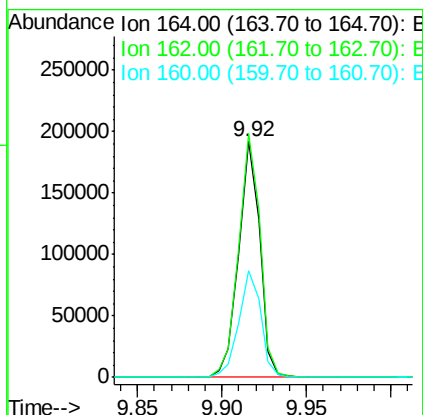
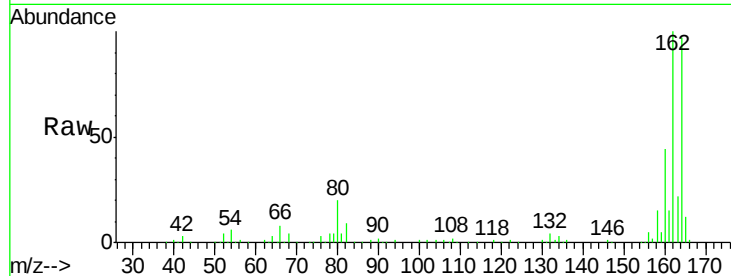




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

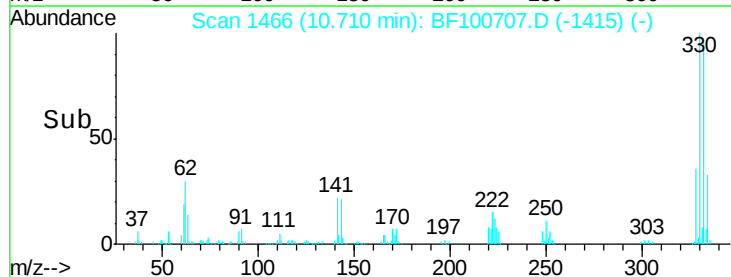
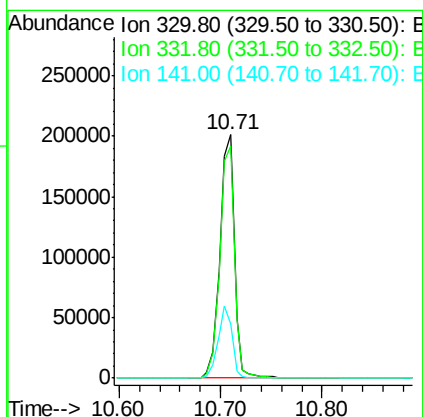
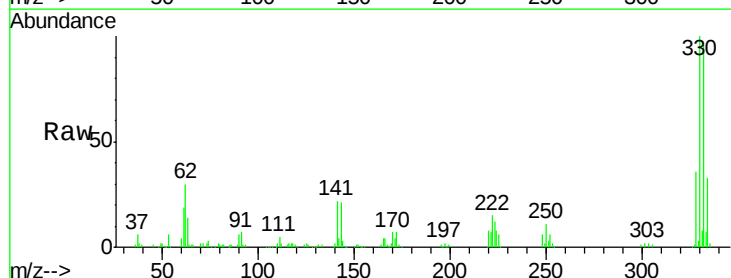
Instrument :
 BNA_F
 ClientSampleId :
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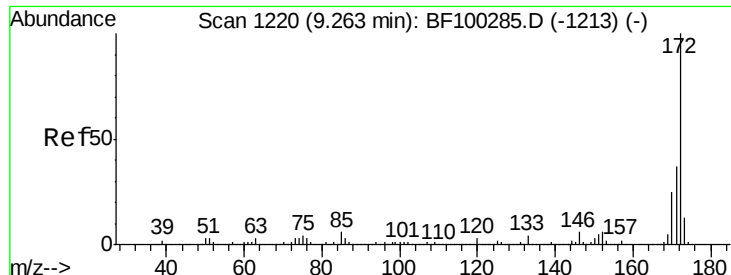
Tgt Ion:164 Resp: 167377
 Ion Ratio Lower Upper
 164 100
 162 103.4 86.1 129.1
 160 45.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 117.70 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Tgt Ion:330 Resp: 200742
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 28.5 29.9 44.9#

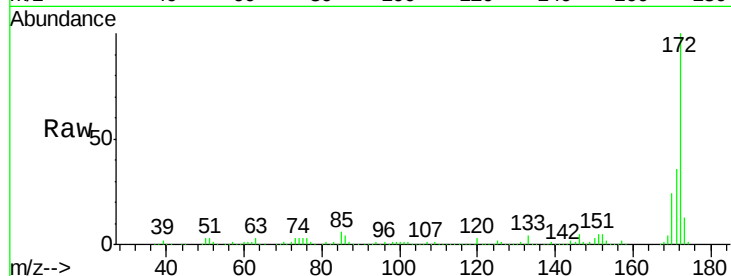




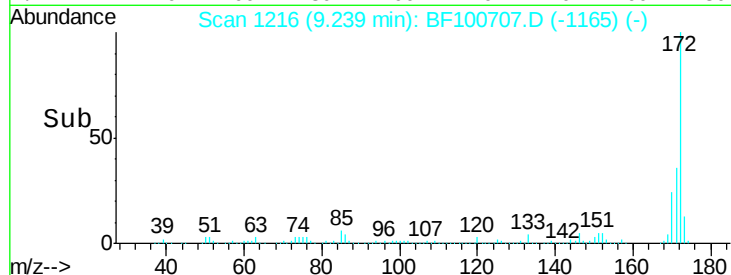
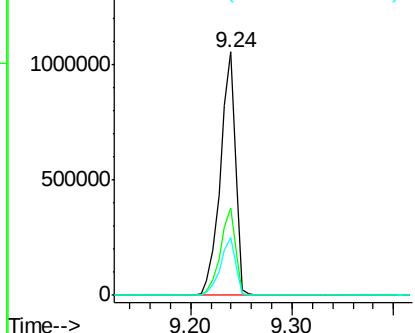
#44
 2-Fluorobiphenyl
 Concen: 98.92 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 PB104346TB

Tgt Ion: 172 Resp: 1087381
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.9 19.6 29.4

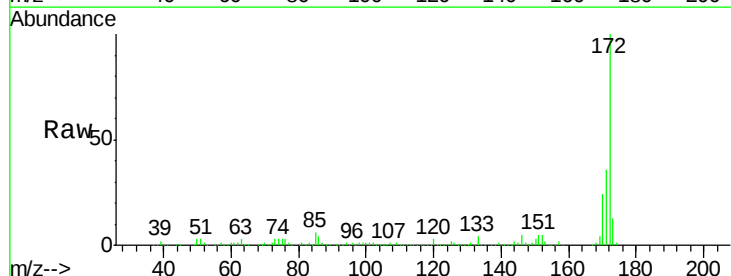


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

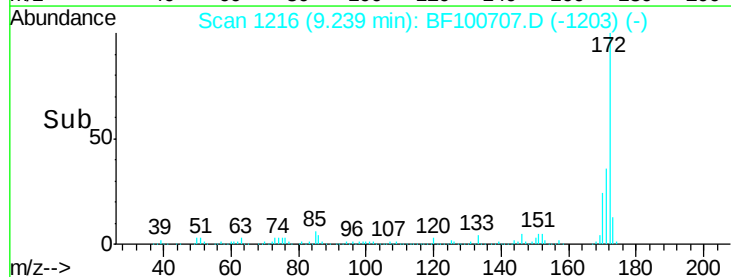
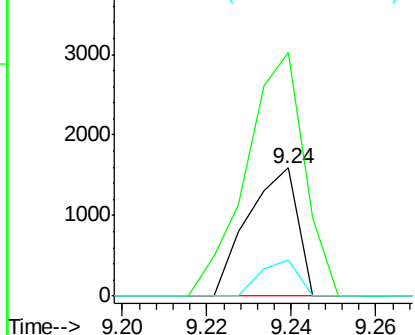


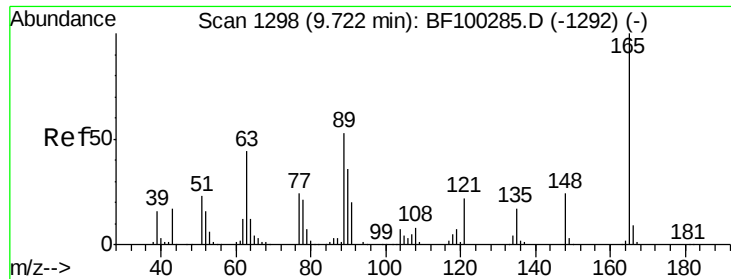
#47
 2-Nitroaniline
 Concen: 3.18 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Tgt Ion: 65 Resp: 1305
 Ion Ratio Lower Upper
 65 100
 92 190.2 55.8 83.6#
 138 28.4 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

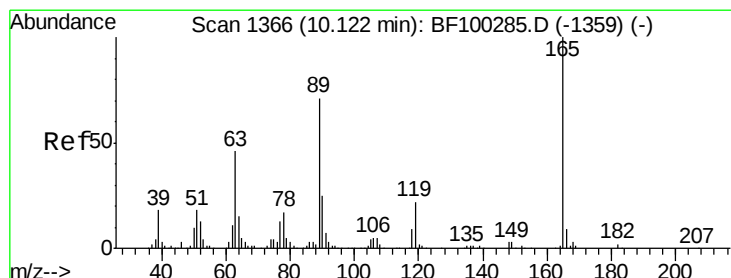
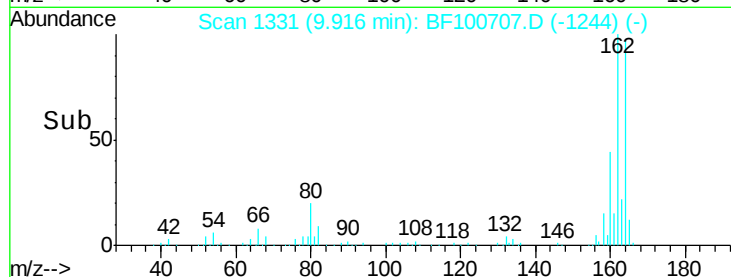
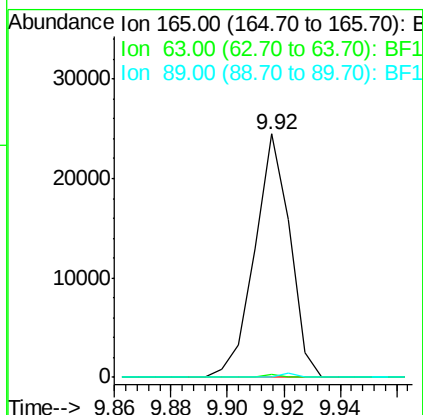
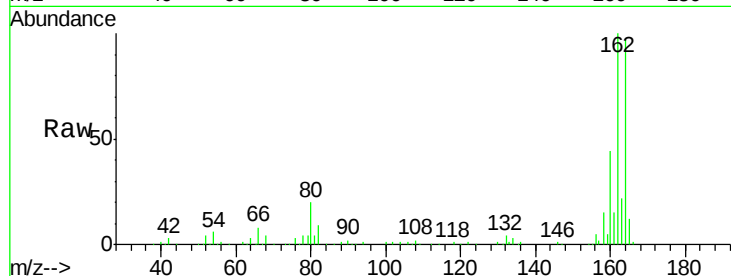




#50
 2,6-Dinitrotoluene
 Concen: 8.36 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

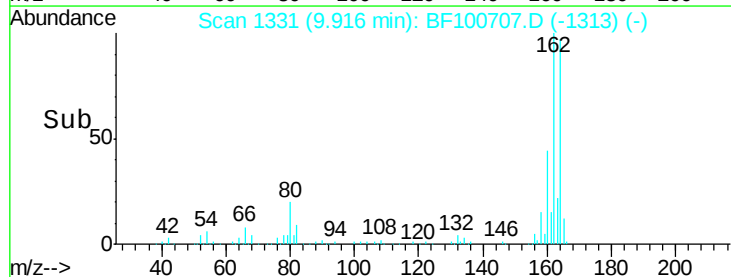
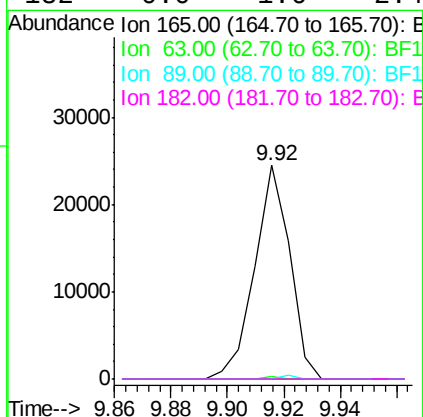
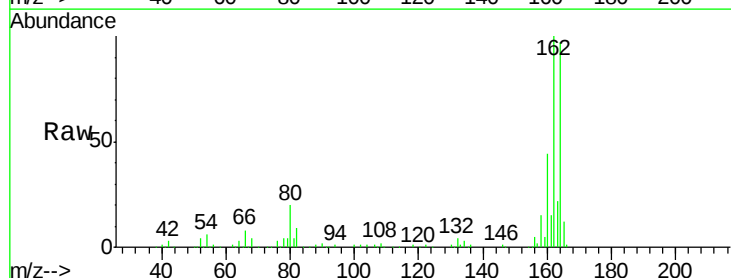
Instrument :
 BNA_F
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 PB104346TB

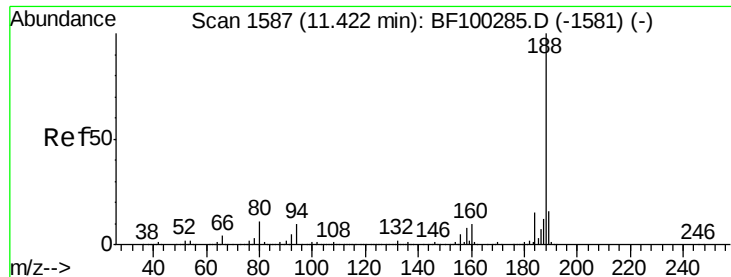
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.63 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

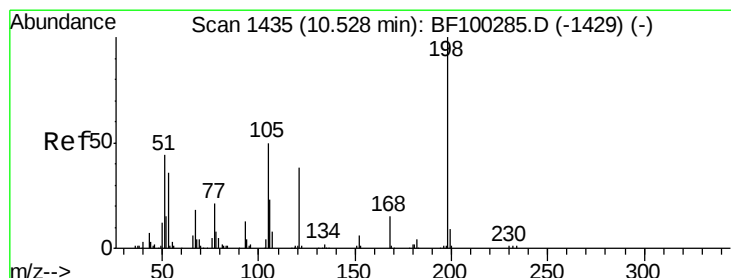
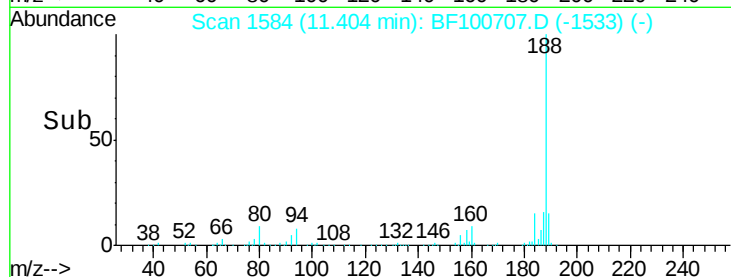
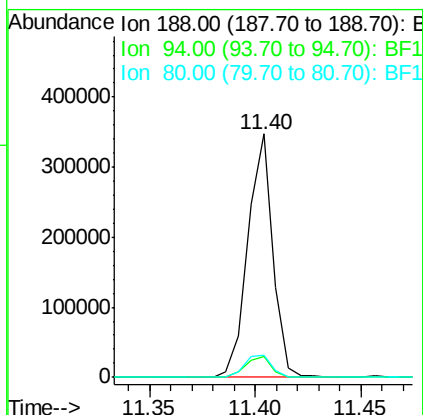
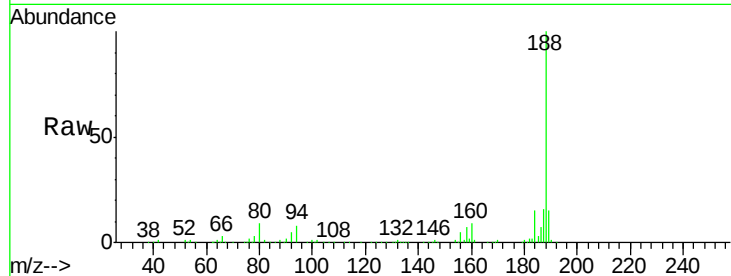




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF100707.D
Acq: 18 Nov 2017 8:11

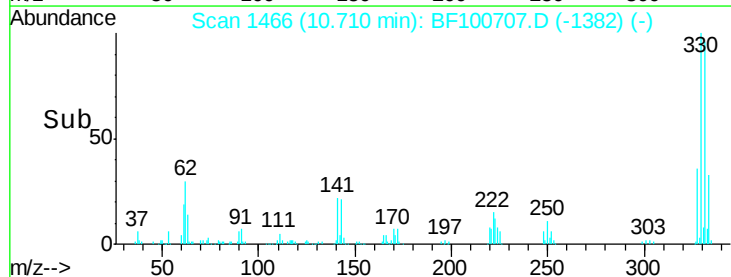
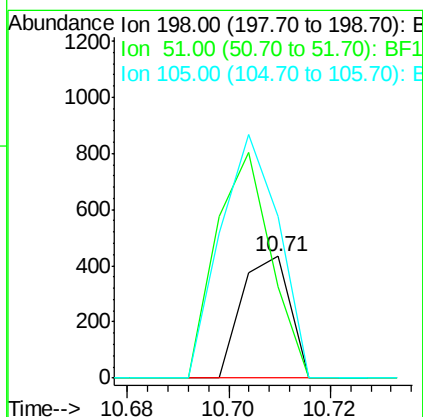
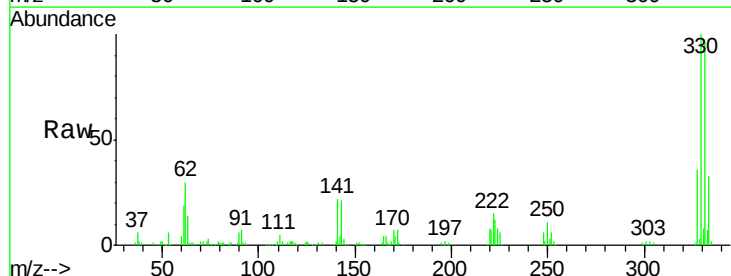
Instrument :
BNA_F
ClientSampleId :
PB104346TB

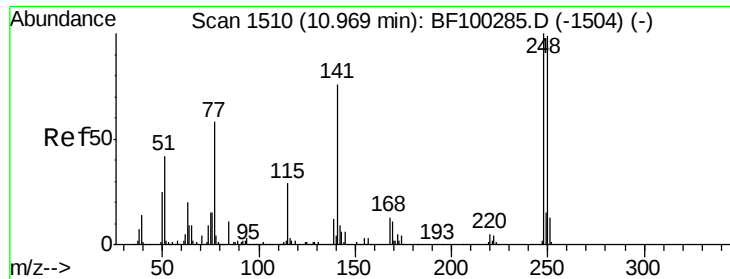
Tgt Ion:188 Resp: 285457
Ion Ratio Lower Upper
188 100
94 8.4 8.5 12.7#
80 9.0 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.73 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF100707.D
Acq: 18 Nov 2017 8:11

Tgt Ion:198 Resp: 286
Ion Ratio Lower Upper
198 100
51 74.4 37.7 77.7
105 132.9 36.3 76.3#

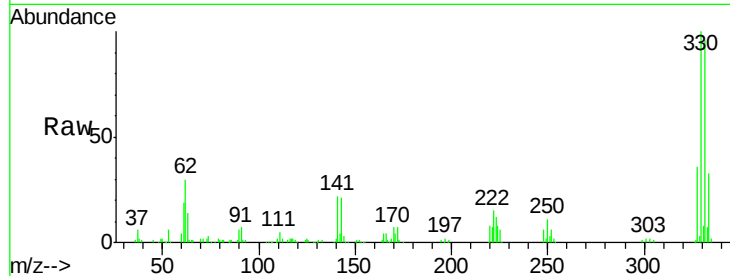




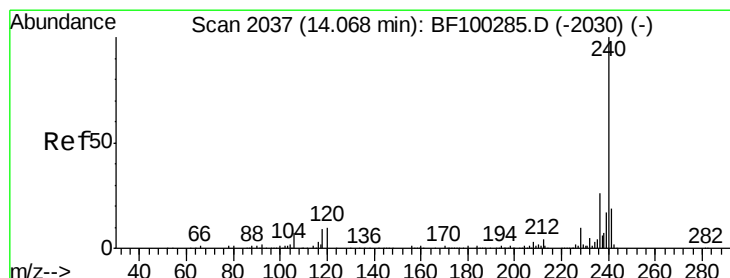
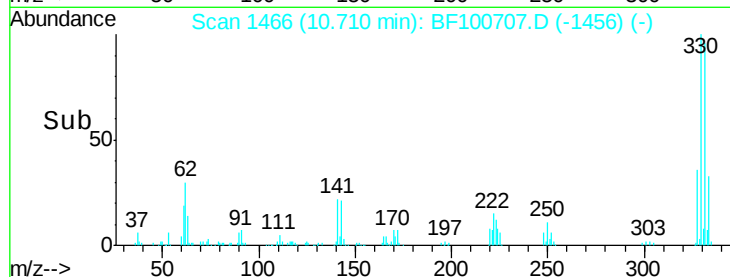
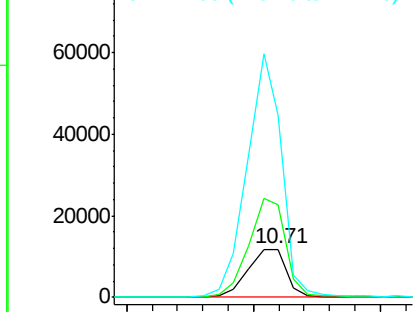
#66
 4-Bromophenyl-phenylether
 Concen: 4.09 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 PB104346TB

Tgt Ion:248 Resp: 12525
 Ion Ratio Lower Upper
 248 100
 250 192.0 76.9 115.3#
 141 377.4 74.4 111.6#

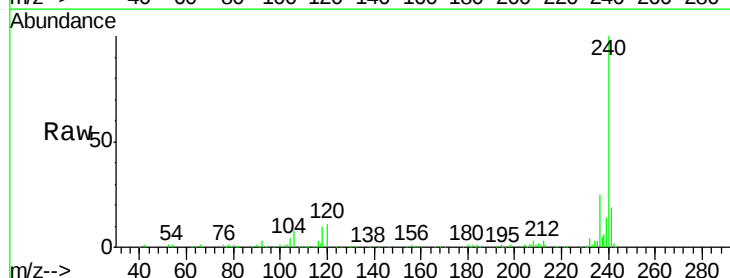


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

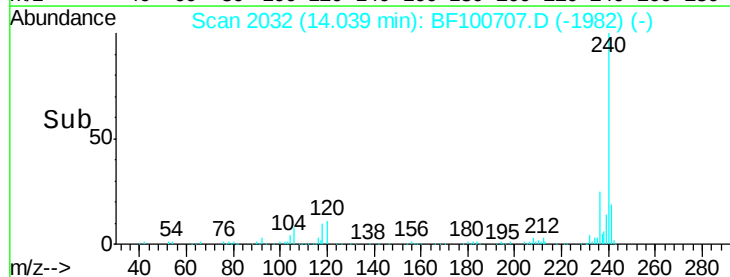
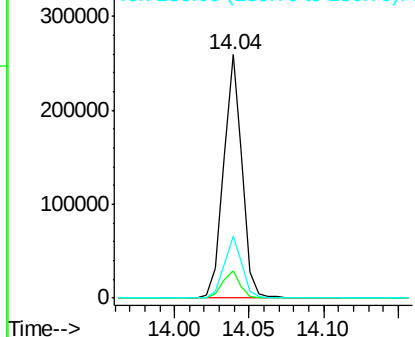


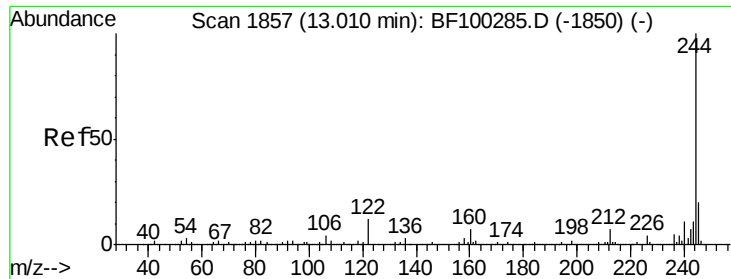
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Tgt Ion:240 Resp: 226781
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.5 14.3
 236 25.4 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

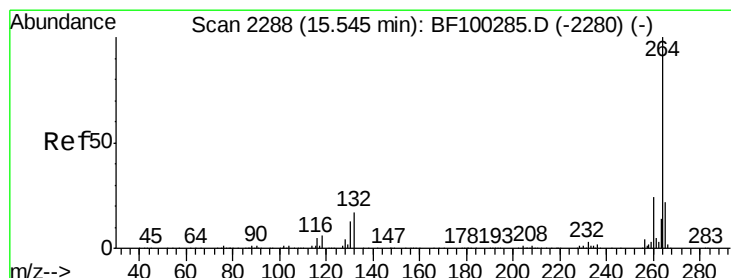
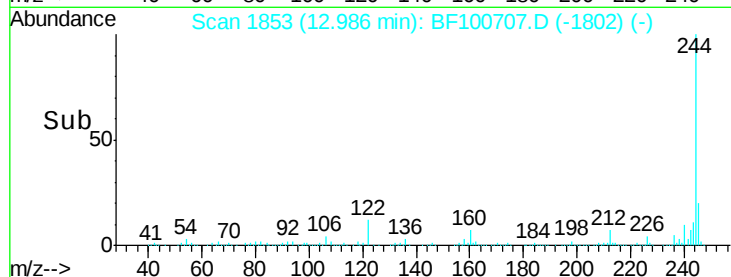
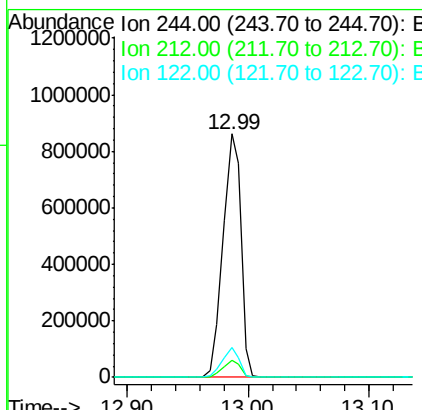
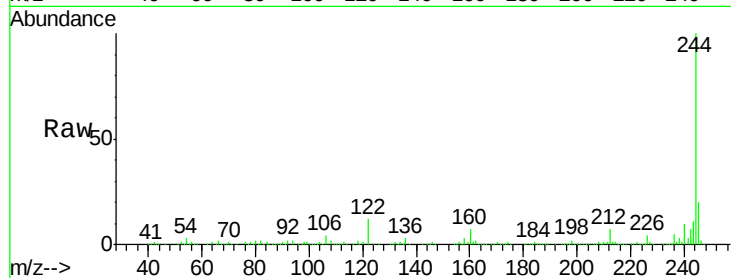




#78
 Terphenyl-d14
 Concen: 89.87 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 PB104346TB

Tgt Ion: 244 Resp: 887048
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: BF100707.D
 Acq: 18 Nov 2017 8:11

Tgt Ion: 264 Resp: 188771
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.2 28.8
 265 20.8 17.5 26.3

