

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100766.D
 Acq On : 21 Nov 2017 8:21
 Operator : SJ/JU
 Sample : I6466-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 11:49:29 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

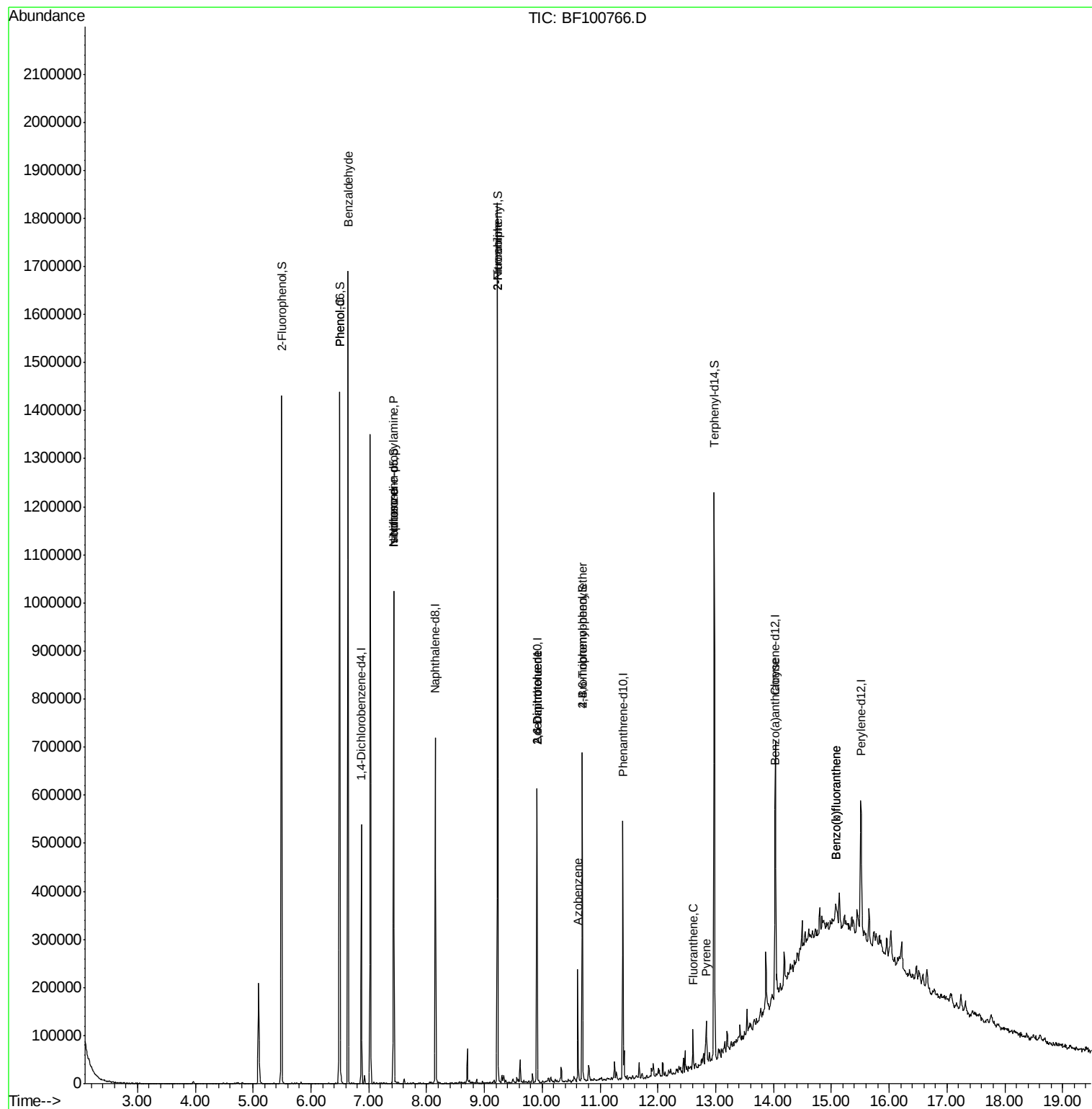
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	79998	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	304700	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	120696	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	187022	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	175068	20.00	ng	-0.01
86) Perylene-d12	15.51	264	122141	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	426994	85.56	ng	0.00
7) Phenol-d6	6.50	99	520051	84.51	ng	-0.01
23) Nitrobenzene-d5	7.43	82	309807	67.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	85490	69.51	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	547745	69.10	ng	-0.01
78) Terphenyl-d14	12.97	244	370038	48.57	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.64	77	9116	2.074	ng	Qvalue 87
10) Phenol	6.50	94	26570	4.113	ng	90
19) n-Nitroso-di-n-propylamine	7.43	70	39914	9.352	ng	# 77
25) Isophorone	7.43	82	309862	31.994	ng	# 64
47) 2-Nitroaniline	9.23	65	642	3.054	ng	# 1
50) 2,6-Dinitrotoluene	9.90	165	15755	8.637	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	15755	6.846	ng	# 23
62) Azobenzene	10.62	77	33976	3.912	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	5643	2.815	ng	# 1
74) Fluoranthene	12.60	202	28343	2.716	ng	97
77) Pyrene	12.83	202	30912	2.477	ng	99
80) Benzo(a)anthracene	14.02	228	21168	2.008	ng	# 85
87) Benzo(b)fluoranthene	15.07	252	22571	3.119	ng	# 62
88) Benzo(k)fluoranthene	15.07	252	22571	3.301	ng	# 65

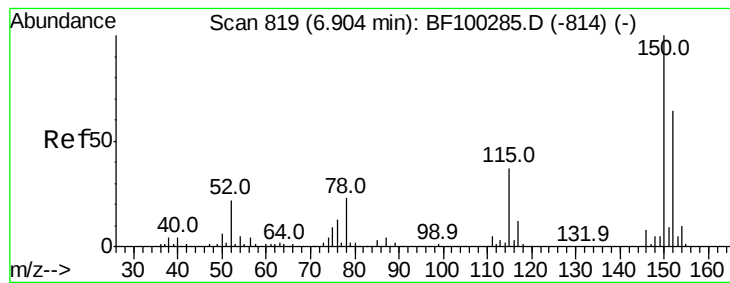
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
Data File : BF100766.D
Acq On : 21 Nov 2017 8:21
Operator : SJ/JU
Sample : I6466-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 21 11:49:29 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



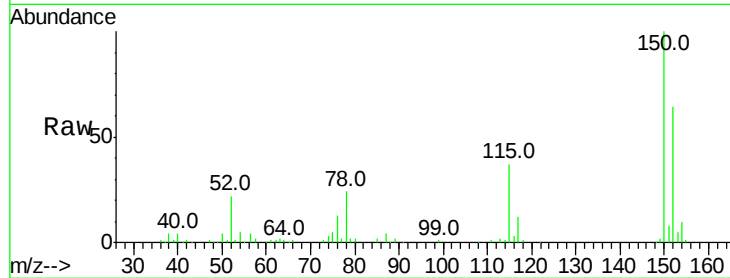


#1

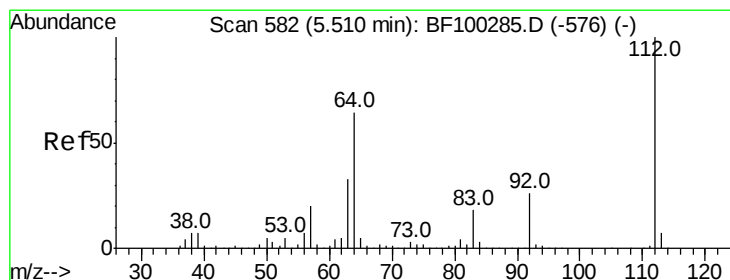
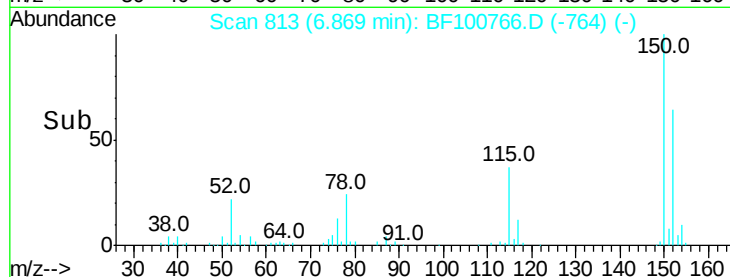
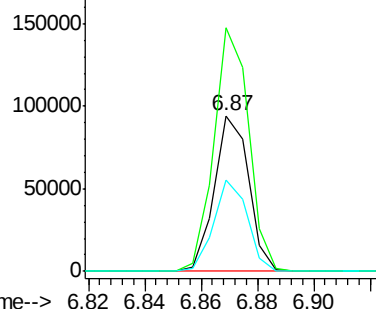
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79998
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 58.6 50.1 75.1



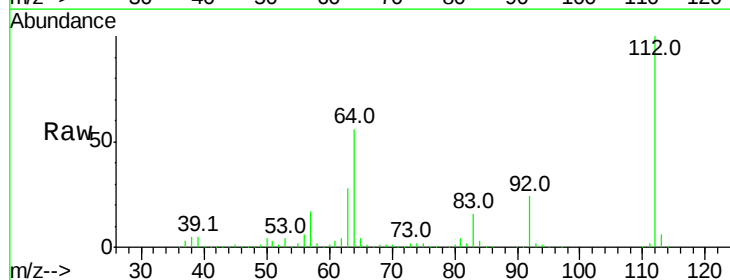
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



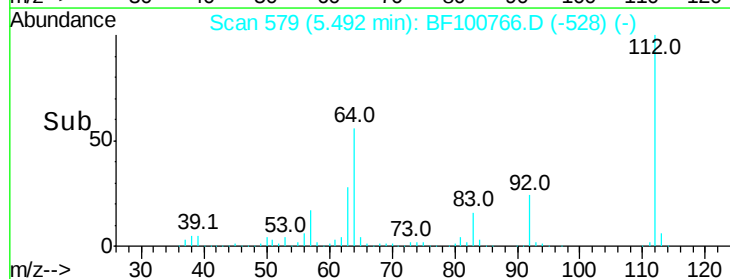
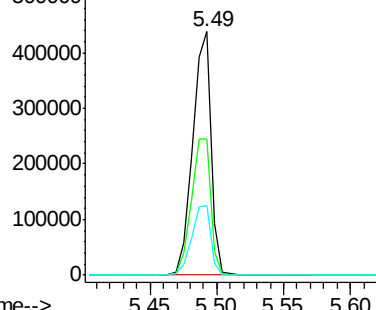
#5

2-Fluorophenol
Concen: 85.560 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

Tgt Ion:112 Resp: 426994
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 28.4 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: 84.506 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

Instrument :

BNA_F

ClientSampleId :

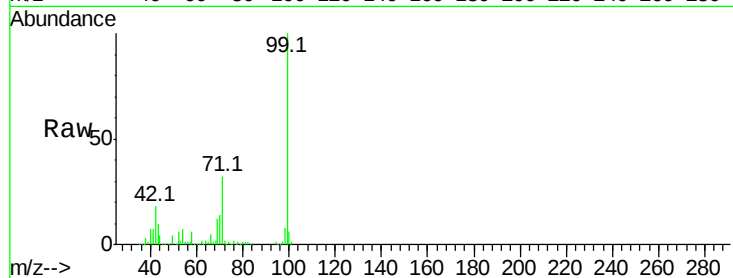
Tot Ion: 99 Resp: 520051

Ion Ratio Lower Upper

99 100

42 17.7 14.5 21.7

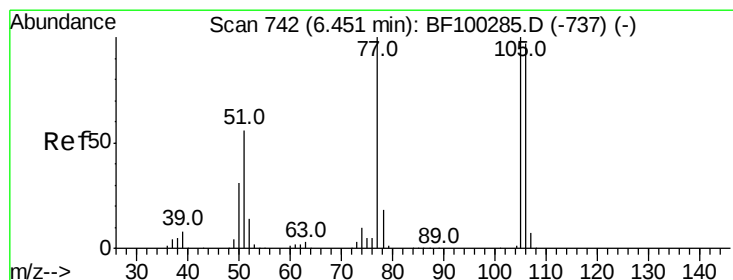
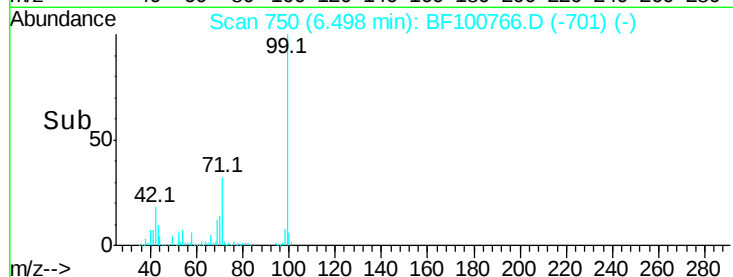
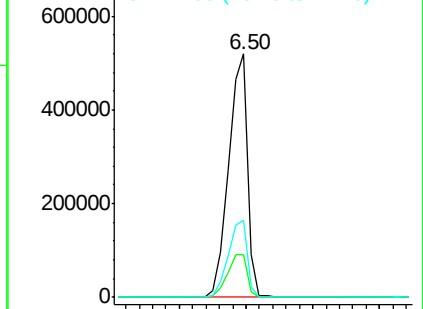
71 31.9 25.4 38.0



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: 2.074 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.21 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

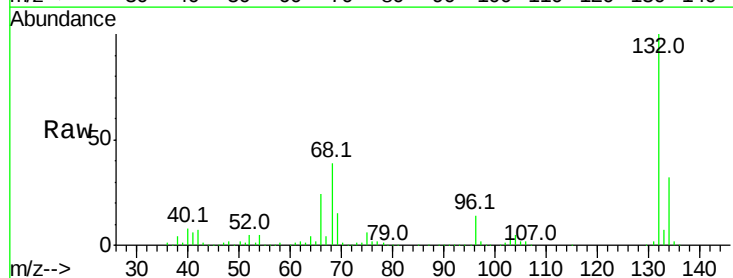
Tgt Ion: 77 Resp: 9116

Ion Ratio Lower Upper

77 100

105 83.6 81.1 121.1

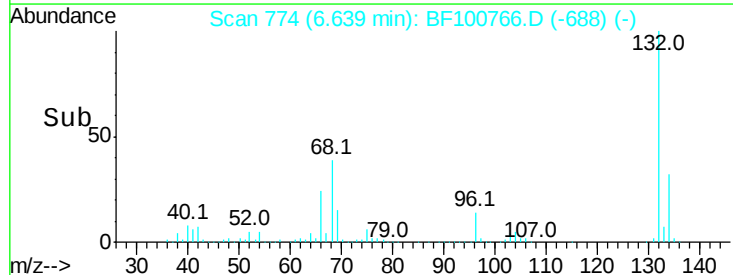
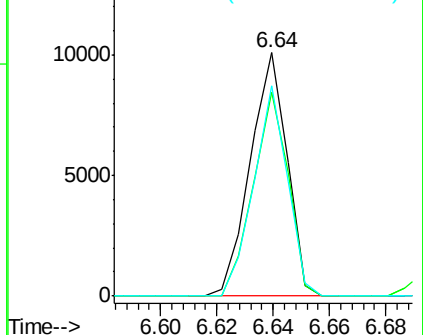
106 86.5 74.5 114.5

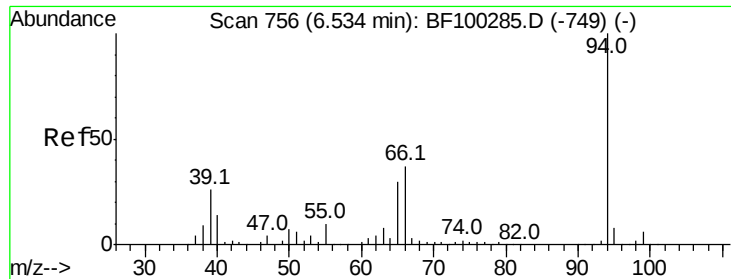


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

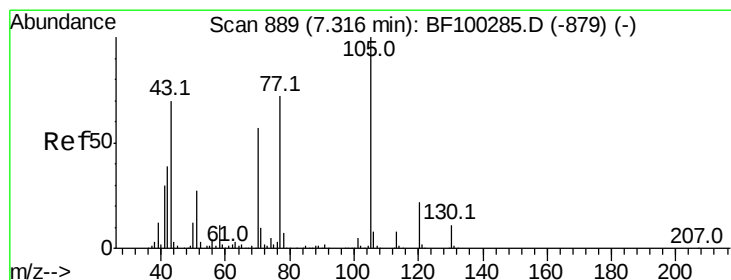
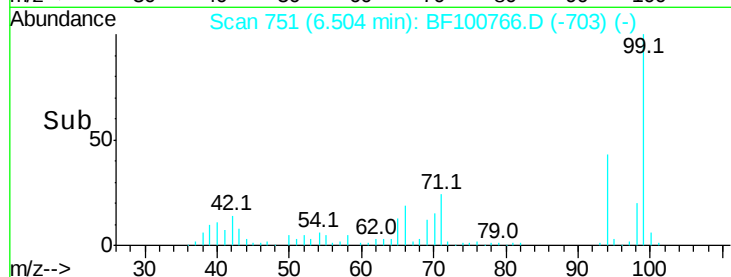
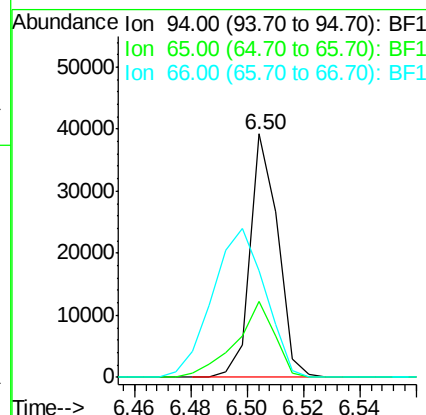
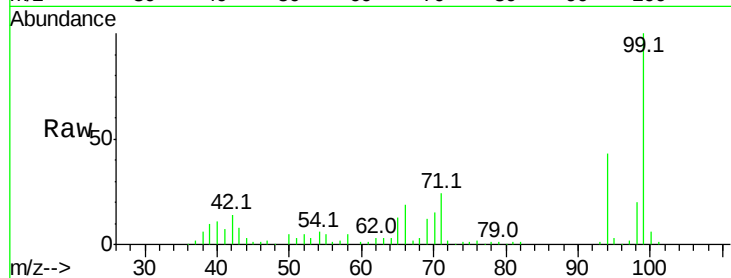




#10
Phenol
Concen: 4.113 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.02 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

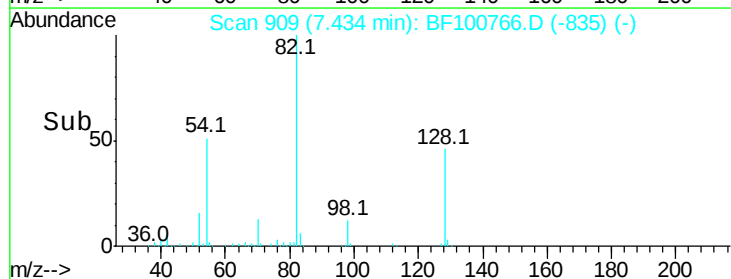
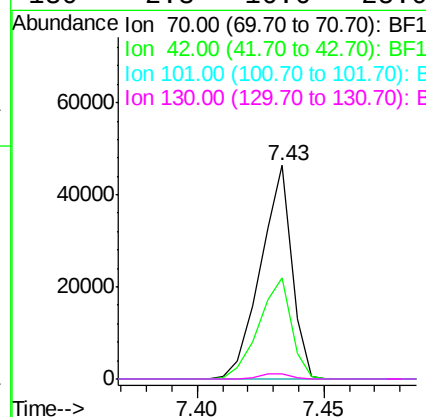
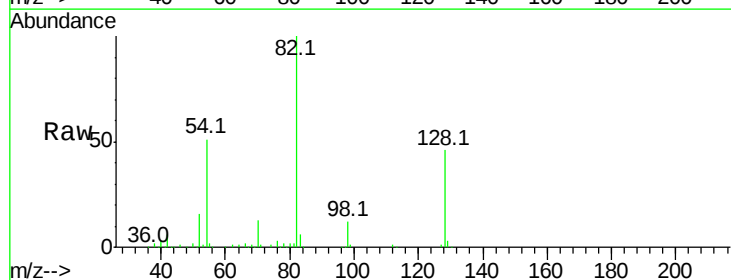
Instrument :
BNA_F
ClientSampled :

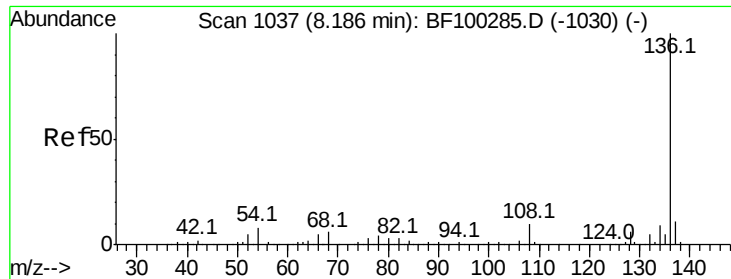
Tot Ion: 94 Resp: 26570
Ion Ratio Lower Upper
94 100
65 31.2 7.9 47.9
66 44.0 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.352 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

Tgt Ion: 70 Resp: 39914
Ion Ratio Lower Upper
70 100
42 47.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

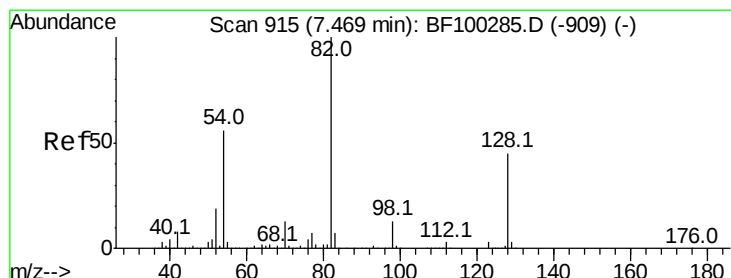
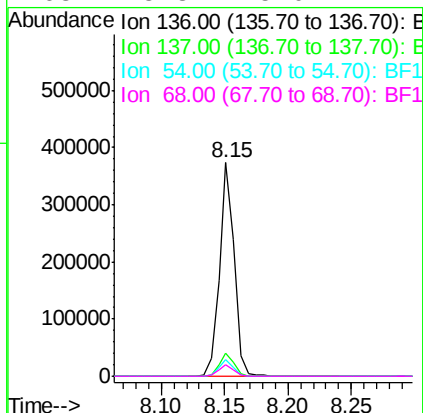
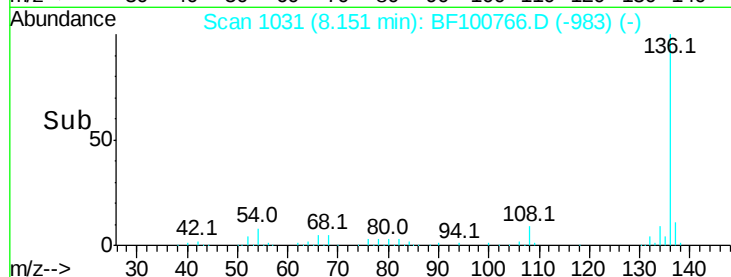
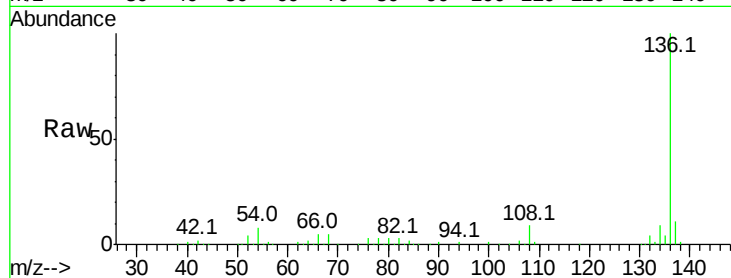




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

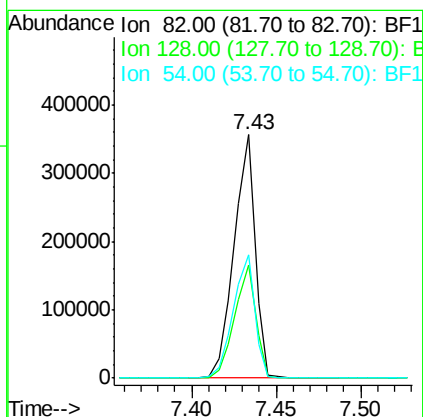
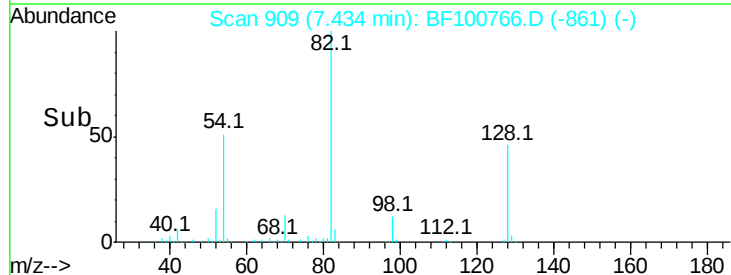
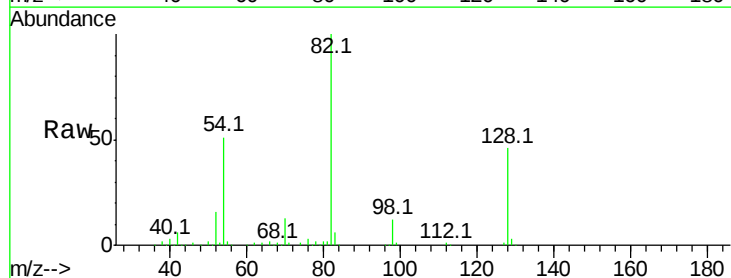
Instrument :
BNA_F
ClientSampled :

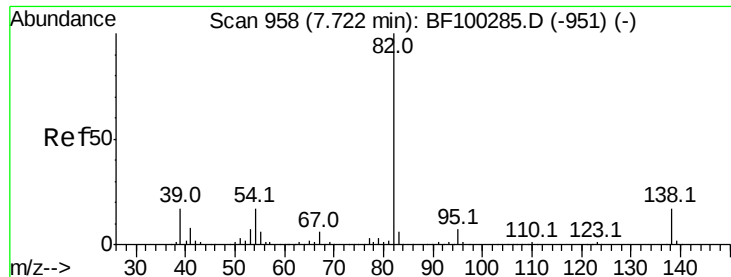
Tot Ion:136	Resp:	304700
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	7.9	6.6 9.8
68	5.3	5.0 7.4



#23
Nitrobenzene-d5
Concen: 67.221 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

Tgt Ion: 82	Resp:	309807
Ion Ratio	Lower	Upper
82	100	
128	46.3	36.1 54.1
54	50.8	41.4 62.2





#25

Isophorone

Concen: 31.994 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

Instrument :

BNA_F

ClientSampled :

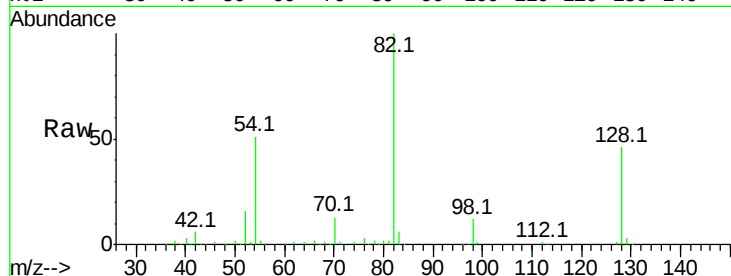
Tot Ion: 82 Resp: 309862

Ion Ratio Lower Upper

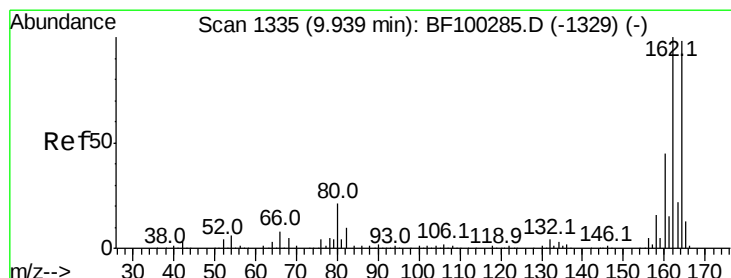
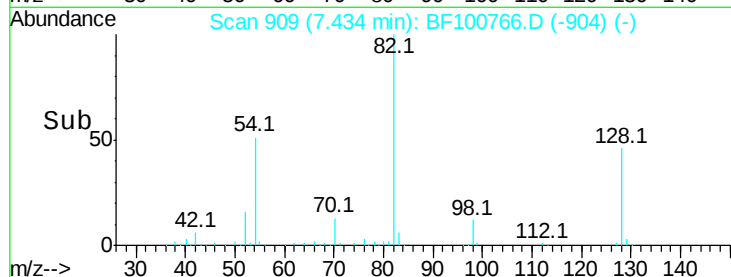
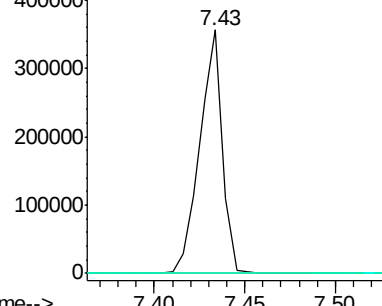
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

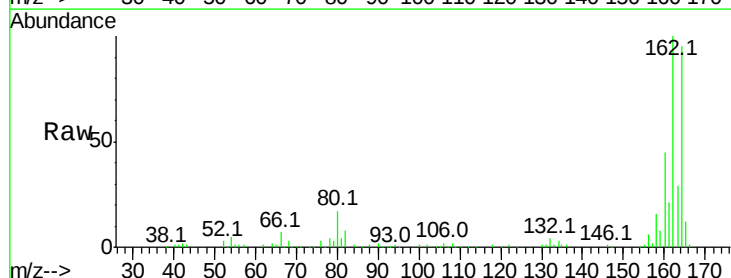
Tgt Ion: 164 Resp: 120696

Ion Ratio Lower Upper

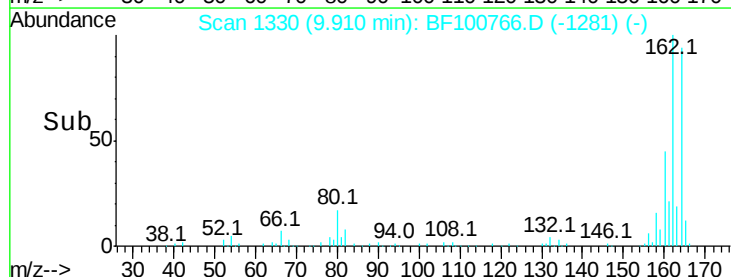
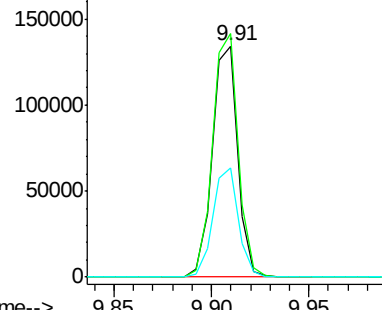
164 100

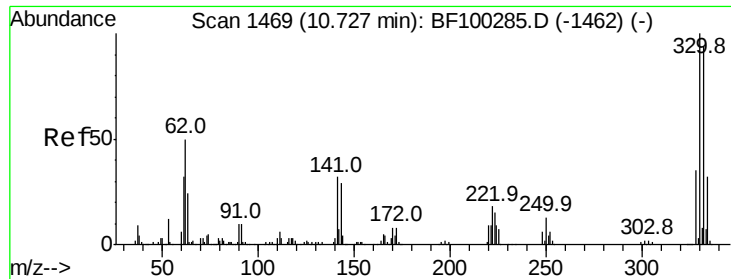
162 105.5 86.1 129.1

160 47.3 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

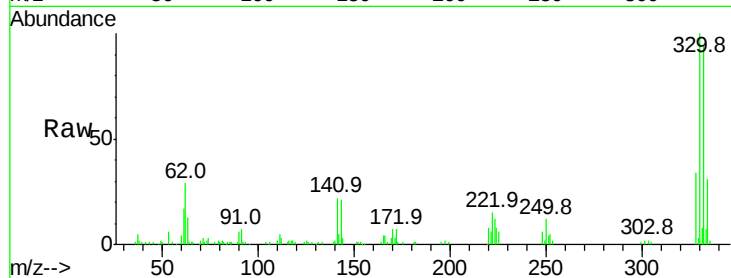




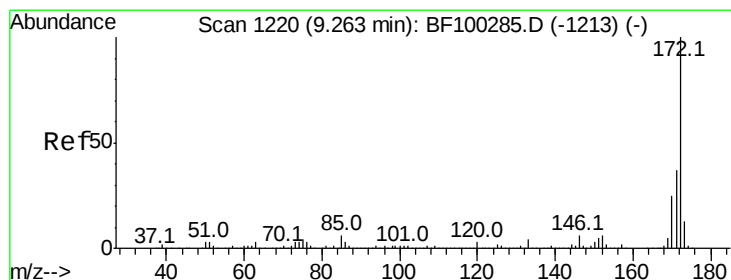
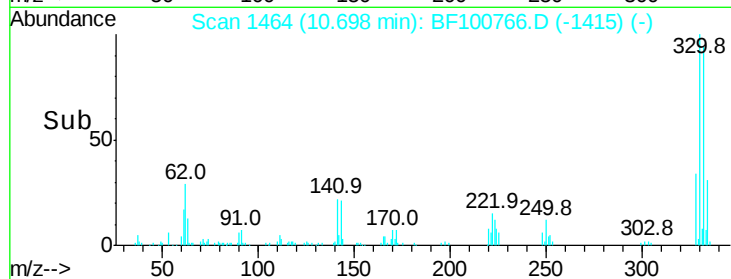
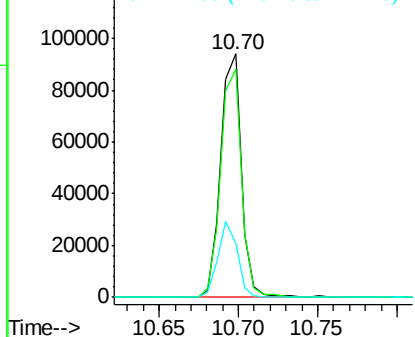
#41
 2,4,6-Tribromophenol
 Concen: 69.510 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100766.D
 Acq: 21 Nov 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 85490
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 29.7 29.9 44.9#

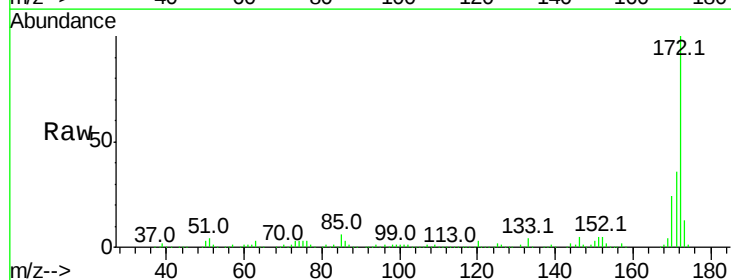


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

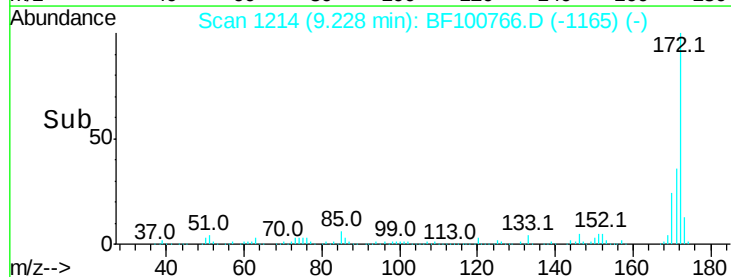
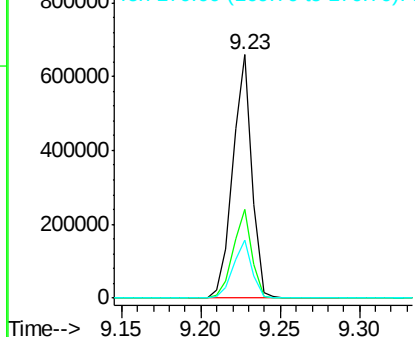


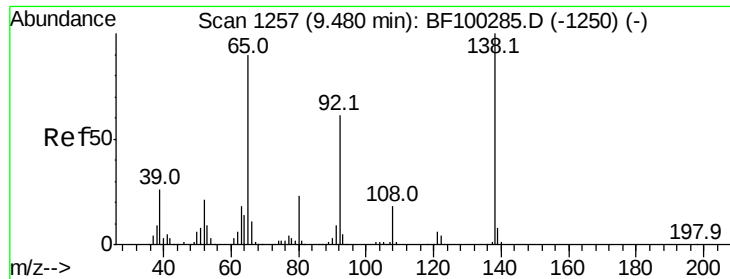
#44
 2-Fluorobiphenyl
 Concen: 69.104 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100766.D
 Acq: 21 Nov 2017 8:21

Tgt Ion:172 Resp: 547745
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.0 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

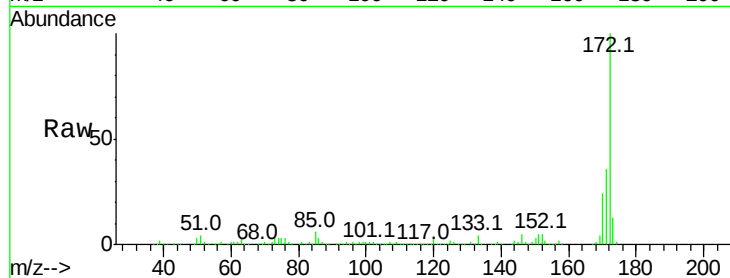




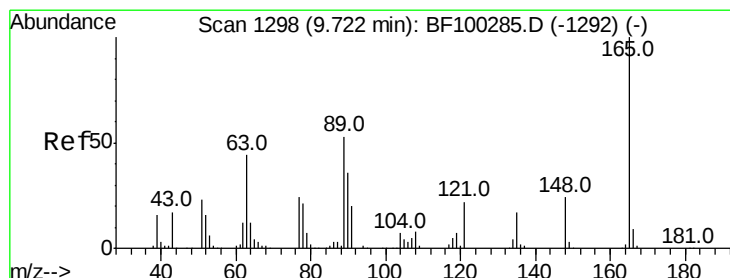
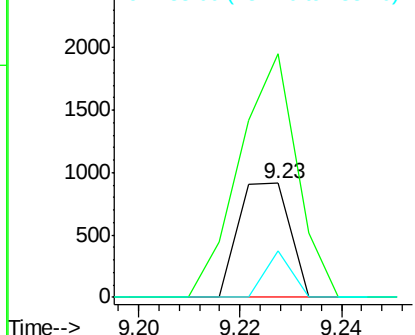
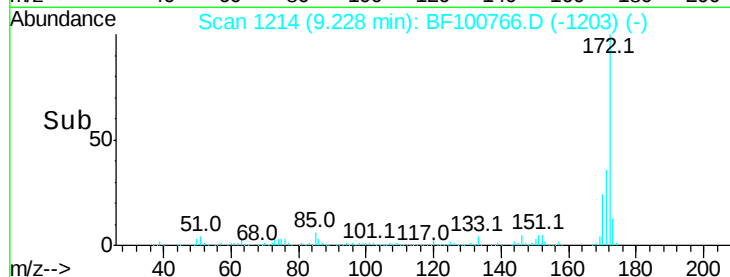
#47
 2-Nitroaniline
 Concen: 3.054 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.24 min
 Lab File: BF100766.D
 Acq: 21 Nov 2017 8:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 65 Resp: 642
 Ion Ratio Lower Upper
 65 100
 92 213.8 55.8 83.6#
 138 40.3 91.2 136.8#

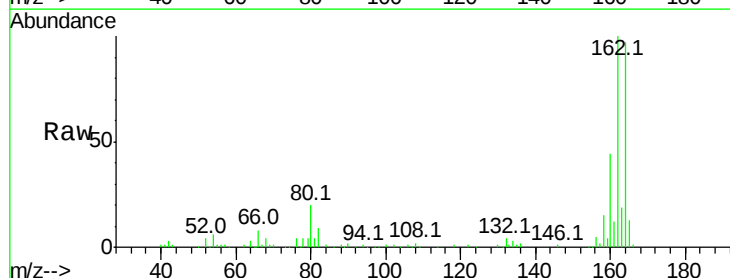


Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

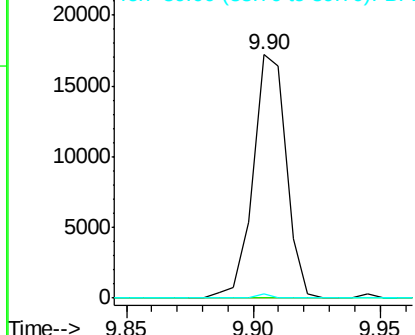
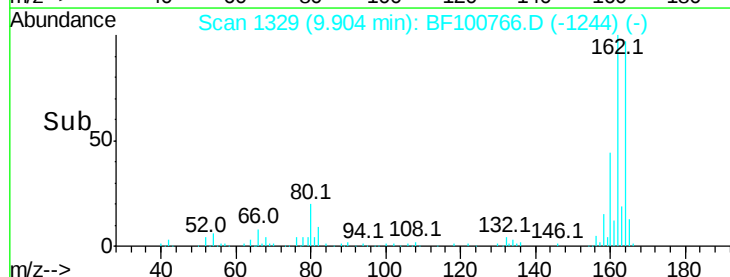


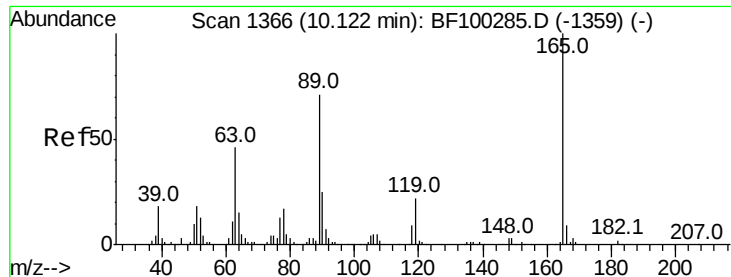
#50
 2,6-Dinitrotoluene
 Concen: 8.637 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF100766.D
 Acq: 21 Nov 2017 8:21

Tgt Ion: 165 Resp: 15755
 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

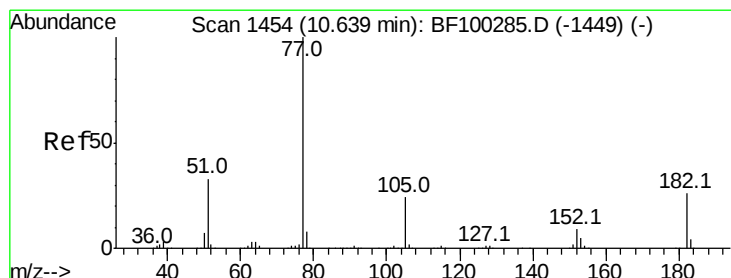
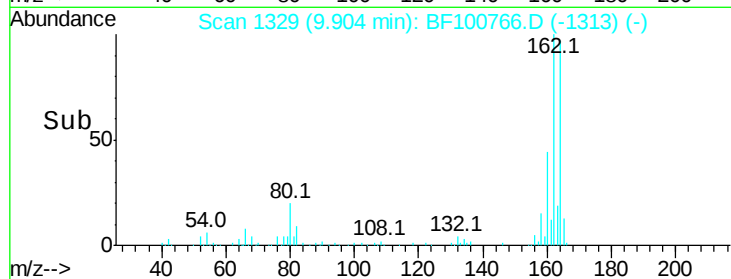
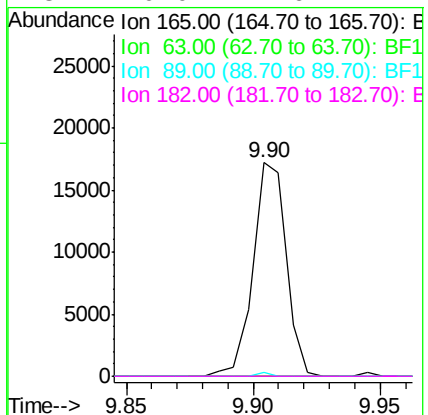
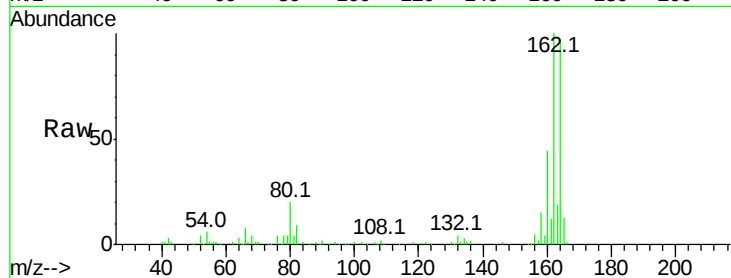




#56
 2,4-Dinitrotoluene
 Concen: 6.846 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF100766.D
 Acq: 21 Nov 2017 8:21

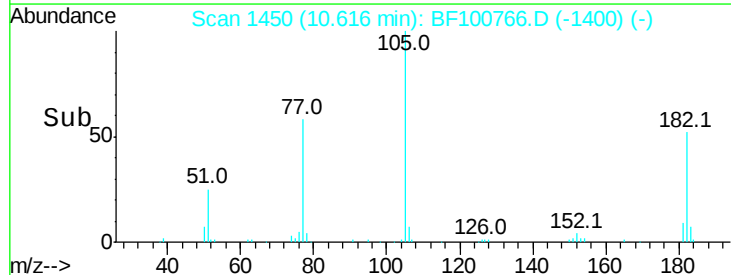
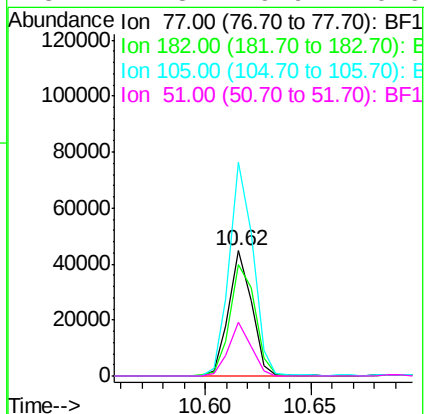
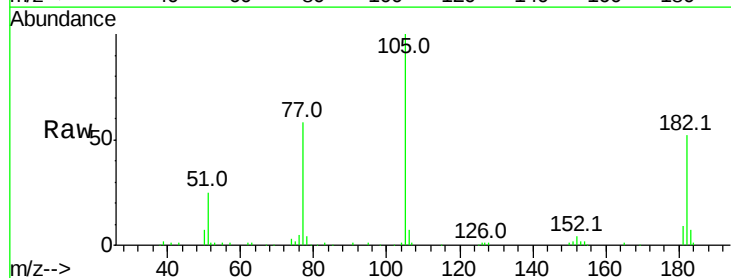
Instrument :
 BNA_F
 ClientSampled :

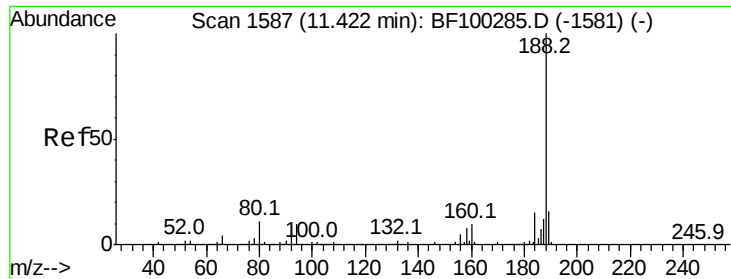
Tot Ion:	165	Resp:	15755
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.912 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF100766.D
 Acq: 21 Nov 2017 8:21

Tgt Ion:	77	Resp:	33976
Ion	Ratio	Lower	Upper
77	100		
182	88.9	1.7	41.7#
105	171.0	3.0	43.0#
51	42.8	9.9	49.9

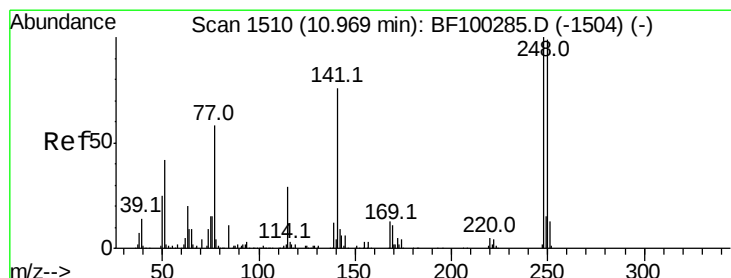
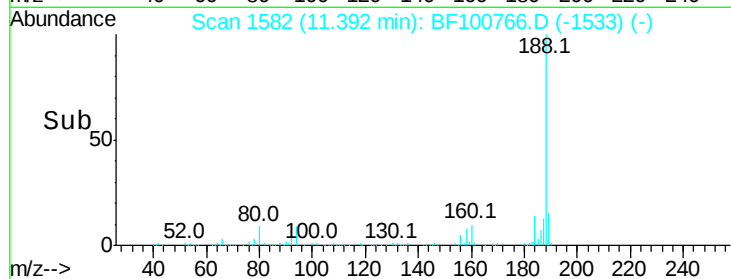
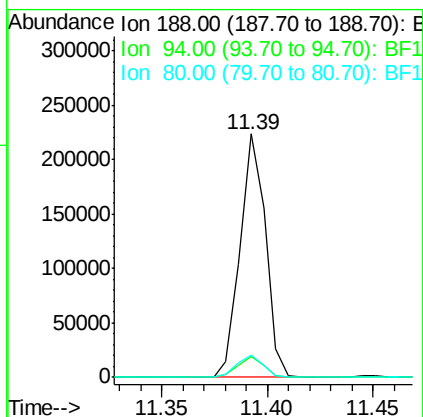
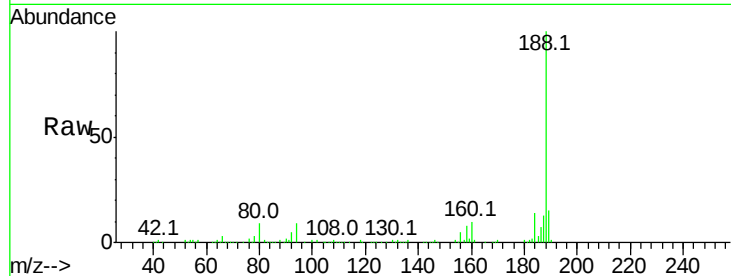




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

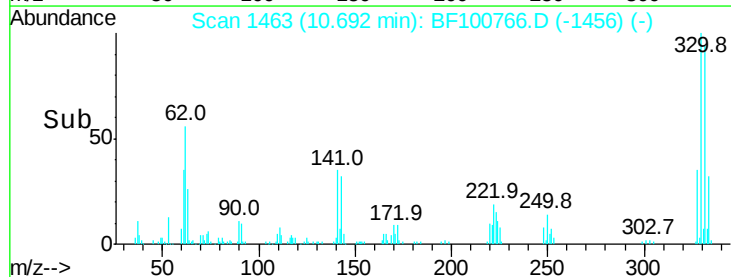
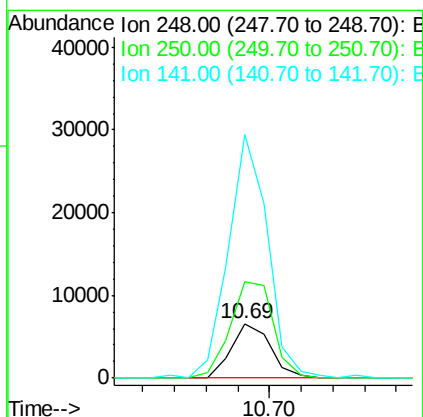
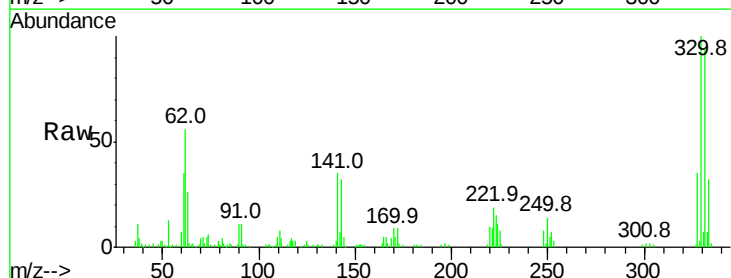
Instrument :
BNA_F
ClientSampleId :

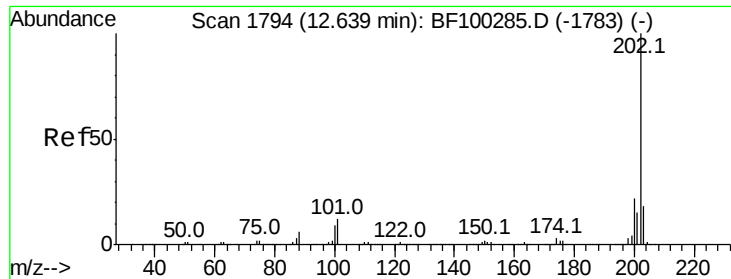
Tot Ion:188 Resp: 187022
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.815 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.26 min
Lab File: BF100766.D
Acq: 21 Nov 2017 8:21

Tgt Ion:248 Resp: 5643
Ion Ratio Lower Upper
248 100
250 177.3 76.9 115.3#
141 447.7 74.4 111.6#





#74

Fluoranthene

Concen: 2.716 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

Instrument :

BNA_F

ClientSampleId :

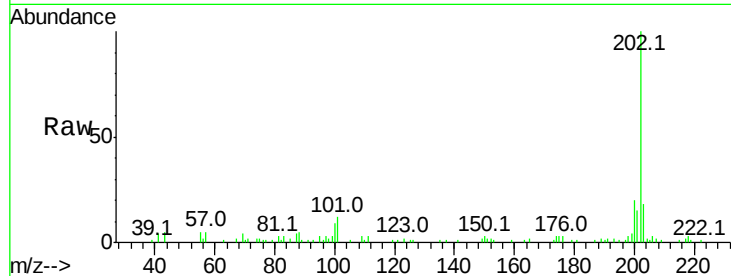
Tot Ion:202 Resp: 28343

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

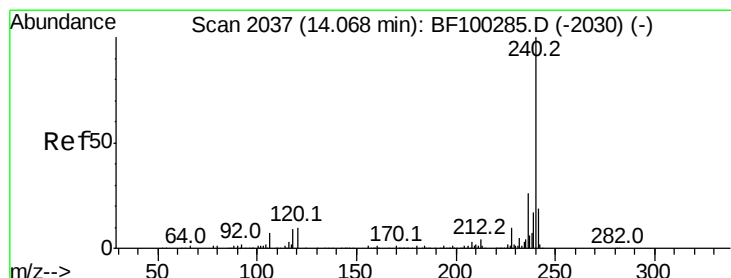
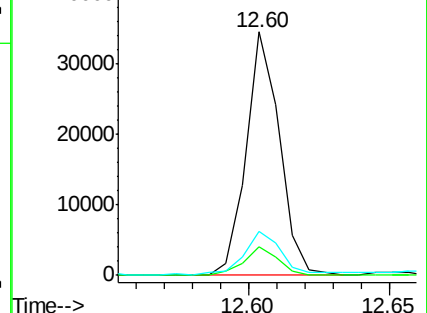
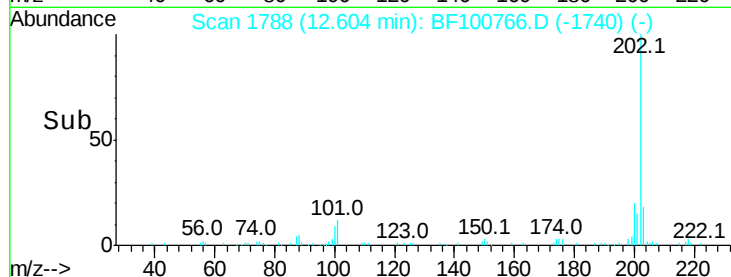
203 18.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

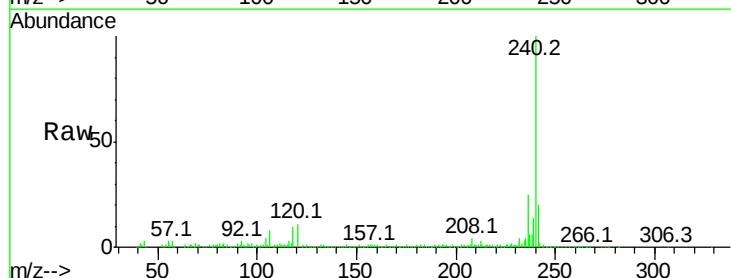
Tgt Ion:240 Resp: 175068

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

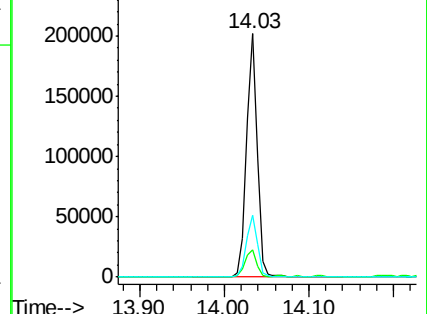
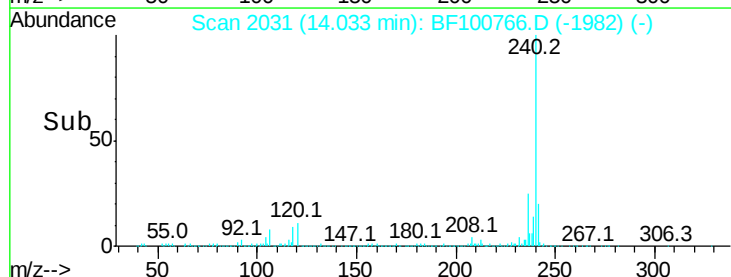
236 25.4 20.7 31.1

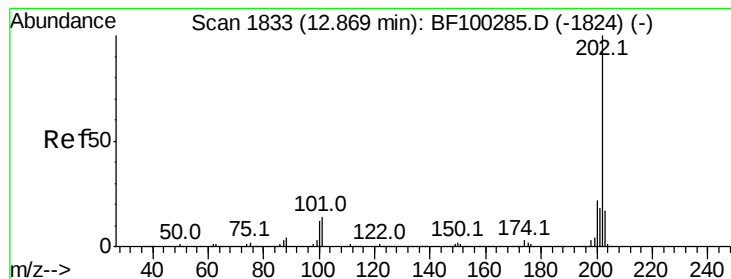


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.477 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

Instrument :

BNA_F

ClientSampleId :

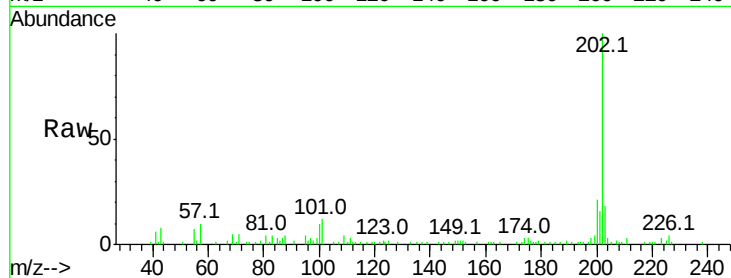
Tot Ion:202 Resp: 30912

Ion Ratio Lower Upper

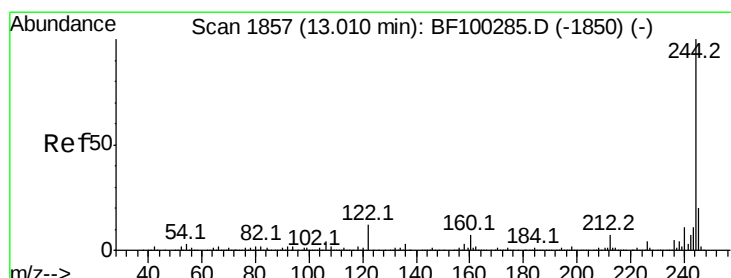
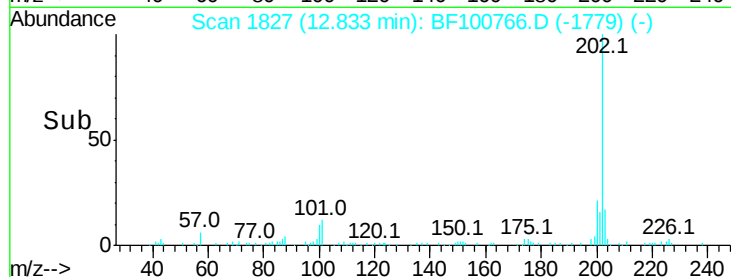
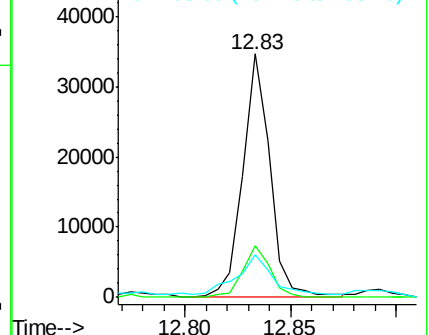
202 100

200 21.2 17.4 26.2

203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 48.566 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

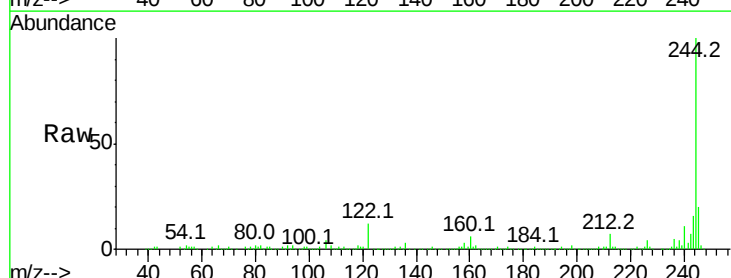
Tgt Ion:244 Resp: 370038

Ion Ratio Lower Upper

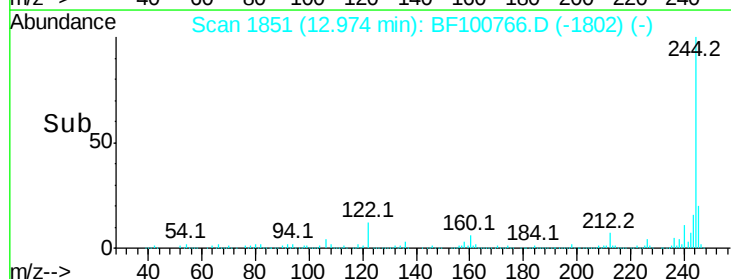
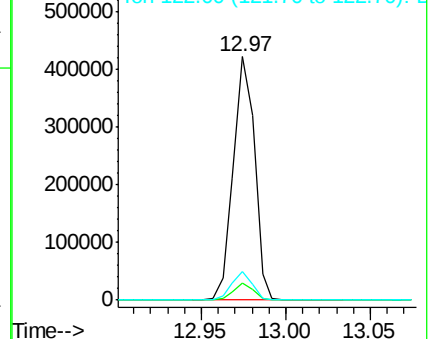
244 100

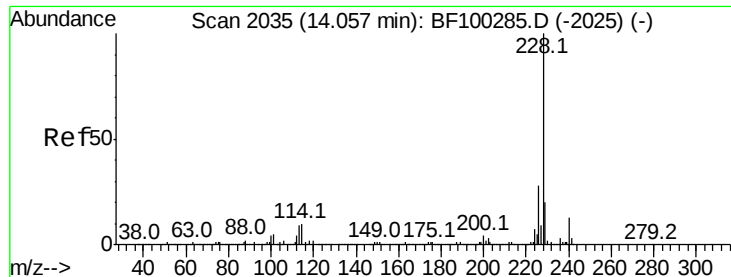
212 7.0 5.4 8.0

122 11.9 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





#80

Benzo(a)anthracene

Concen: 2.008 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

Instrument :

BNA_F

ClientSampled :

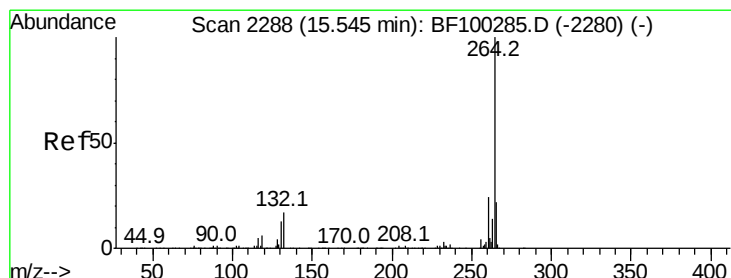
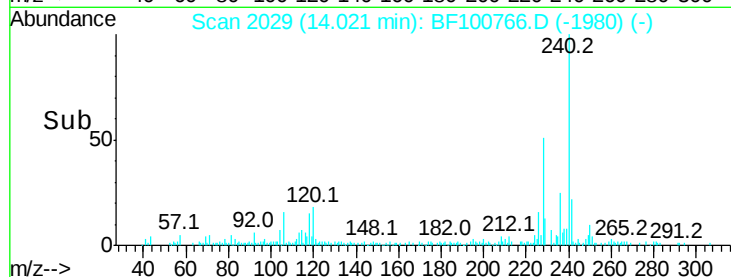
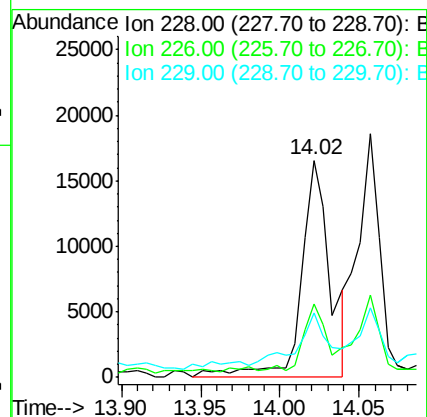
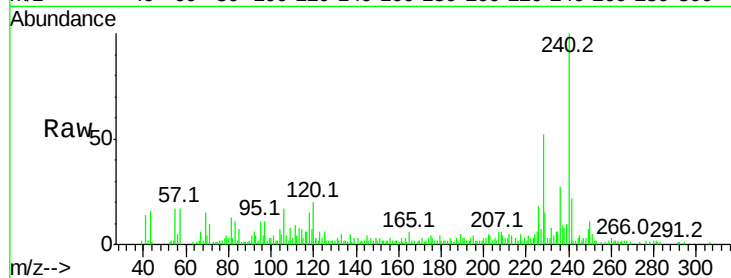
Tot Ion:228 Resp: 21168

Ion Ratio Lower Upper

228 100

226 33.9 22.6 33.8#

229 29.5 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

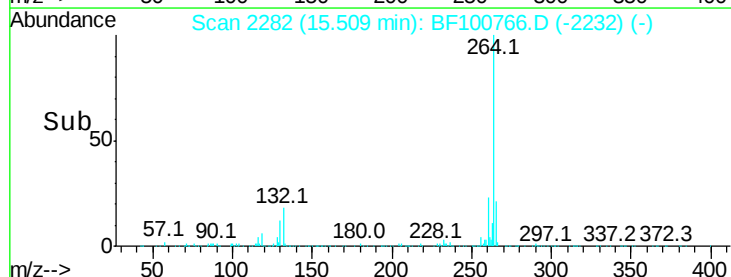
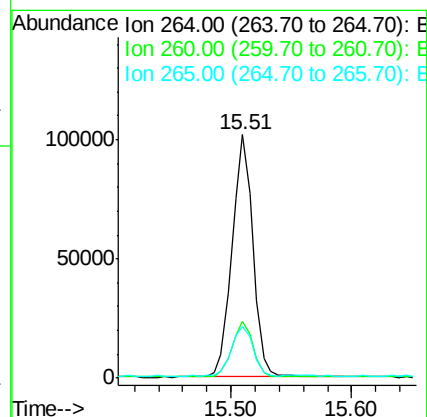
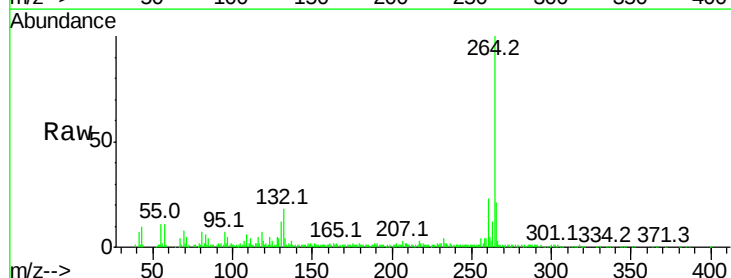
Tgt Ion:264 Resp: 122141

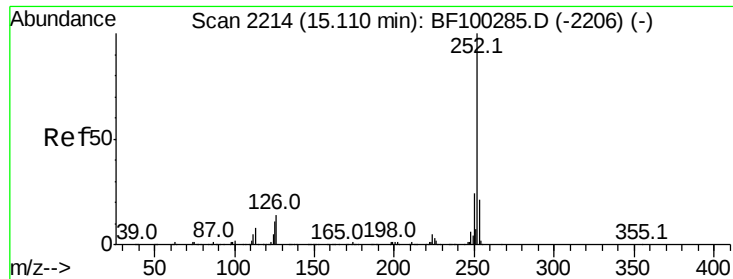
Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.2 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.119 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF100766.D

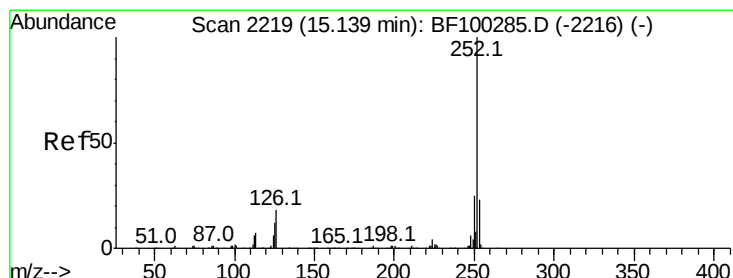
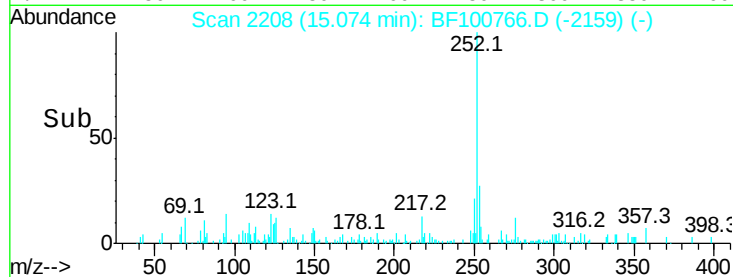
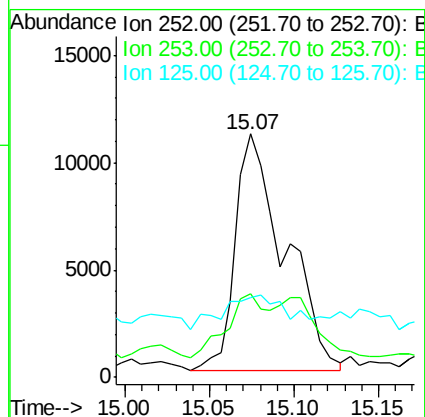
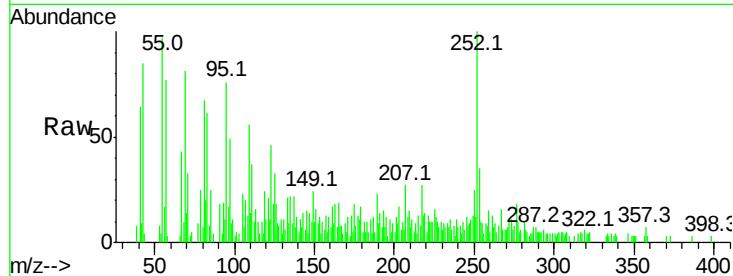
Acq: 21 Nov 2017 8:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	22571
Ion Ratio	Lower	Upper	
252	100		
253	34.5	17.0	25.6#
125	32.9	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 3.301 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.04 min

Lab File: BF100766.D

Acq: 21 Nov 2017 8:21

Tgt Ion:	252	Resp:	22571
Ion Ratio	Lower	Upper	
252	100		
253	34.5	17.9	26.9#
125	32.9	10.2	15.2#

