

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100607.D
 Acq On : 16 Nov 2017 00:46
 Operator : SJ/JU
 Sample : I6426-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:40:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

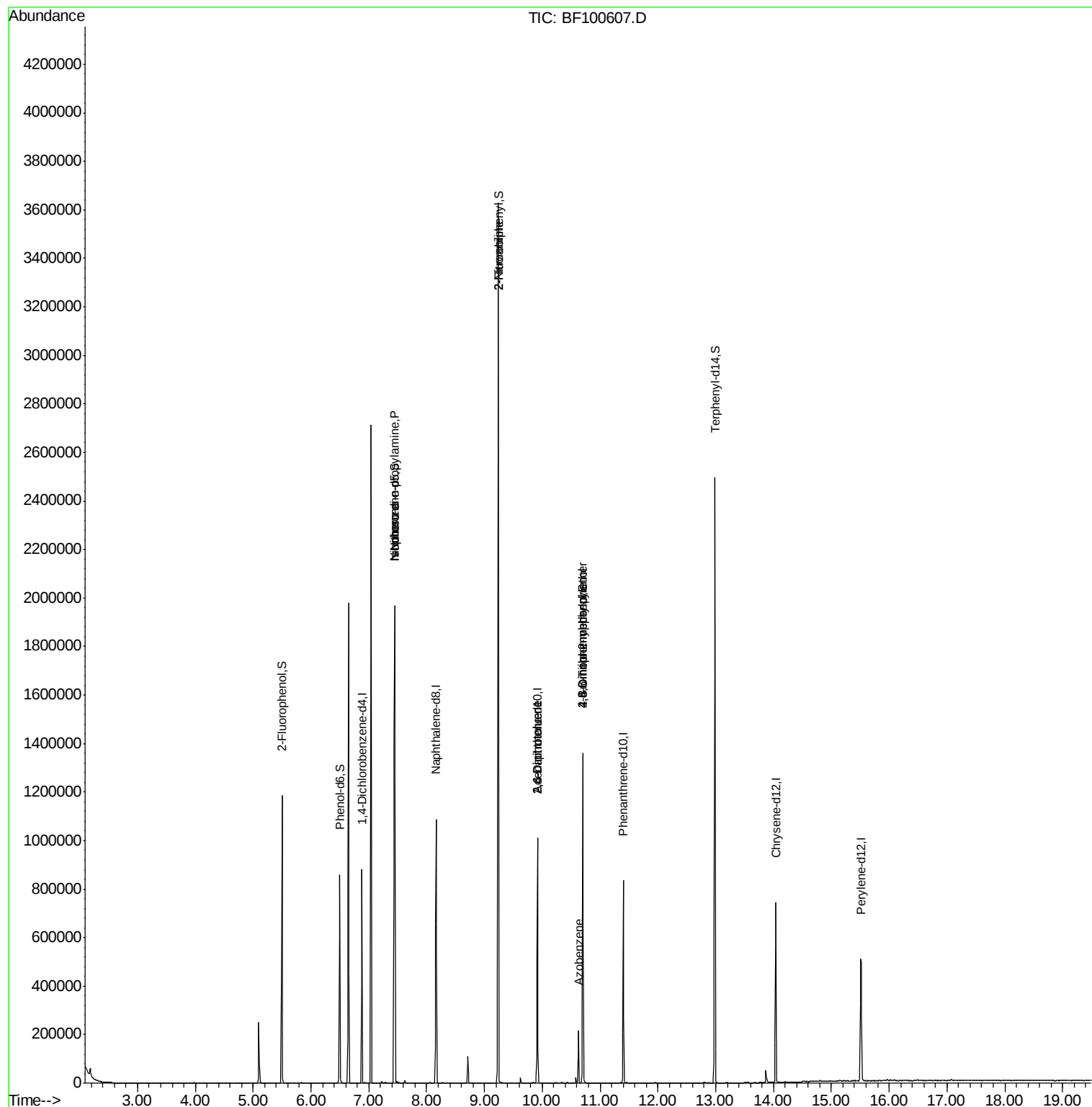
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	120574	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	453303	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	190992	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	296708	20.00	ng	0.00
75) Chrysene-d12	14.04	240	243488	20.00	ng	-0.01
86) Perylene-d12	15.51	264	253205	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	330202	43.90	ng	0.00
7) Phenol-d6	6.50	99	243724	26.28	ng	-0.02
23) Nitrobenzene-d5	7.45	82	717257	104.61	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	165210	84.89	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1234058	98.39	ng	0.00
78) Terphenyl-d14	12.99	244	807158	76.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	93497	14.54	ng	# 81
25) Isophorone	7.45	82	716989	49.76	ng	# 64
47) 2-Nitroaniline	9.24	65	1727	3.24	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	23865	8.27	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	23865	6.55	ng	# 23
62) Azobenzene	10.63	77	32842	2.39	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	173	8.66	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10304	3.24	ng	# 1

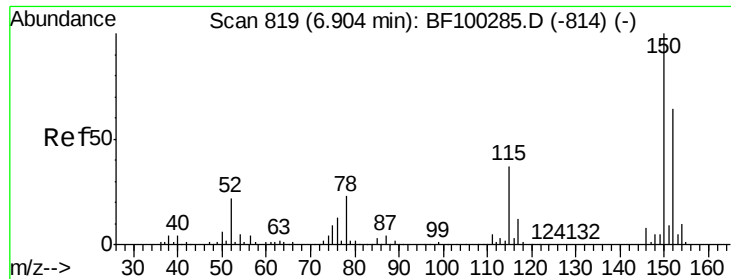
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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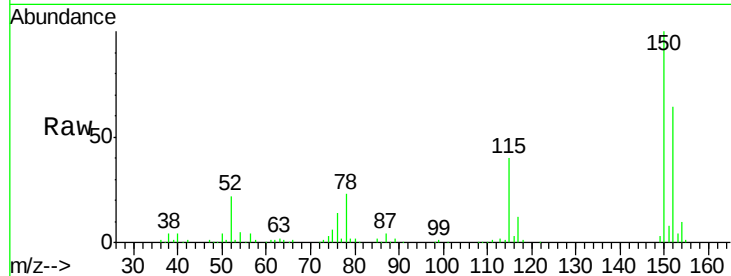


#1

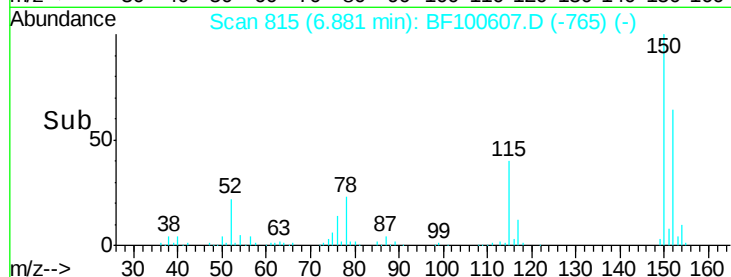
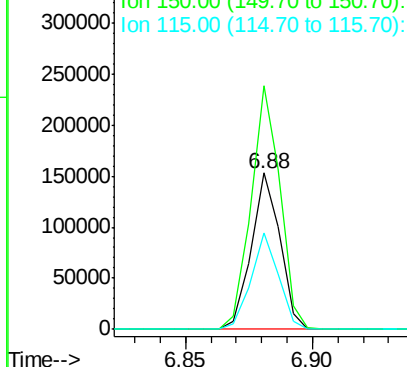
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120574
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 61.9 50.1 75.1



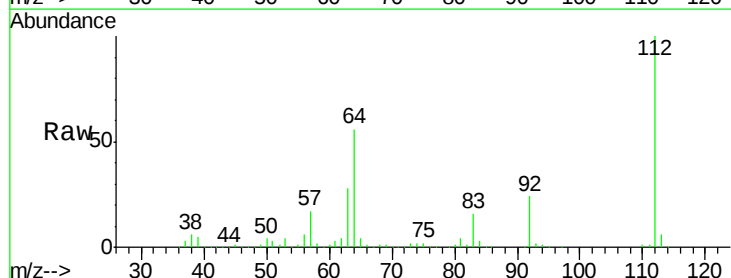
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



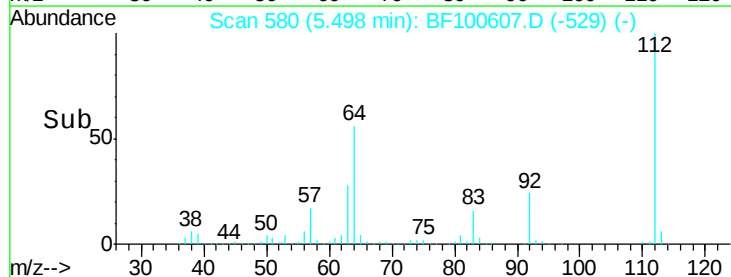
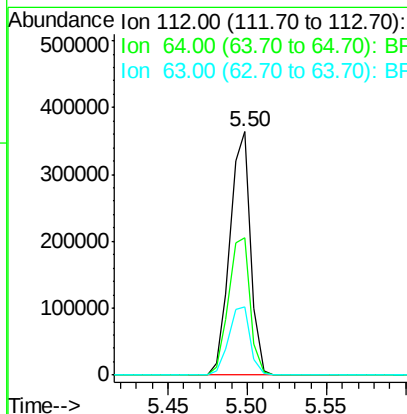
#5

2-Fluorophenol
Concen: 43.90 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Tgt Ion:112 Resp: 330202
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.0 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: 26.28 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100607.D

Acq: 16 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

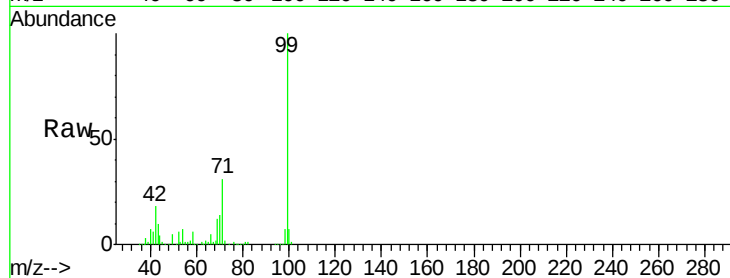
Tot Ion: 99 Resp: 243724

Ion Ratio Lower Upper

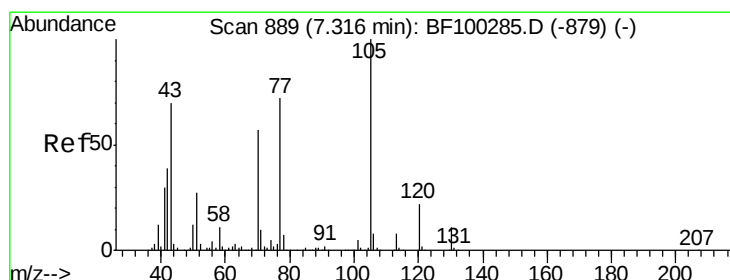
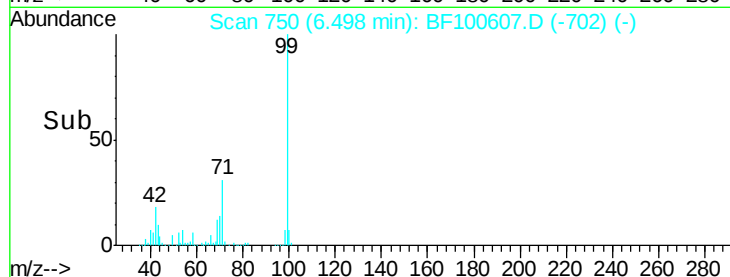
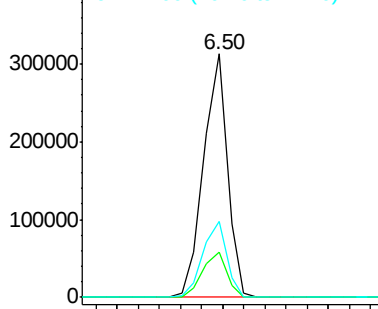
99 100

42 18.4 14.5 21.7

71 31.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.54 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF100607.D

Acq: 16 Nov 2017 00:46

Tgt Ion: 70 Resp: 93497

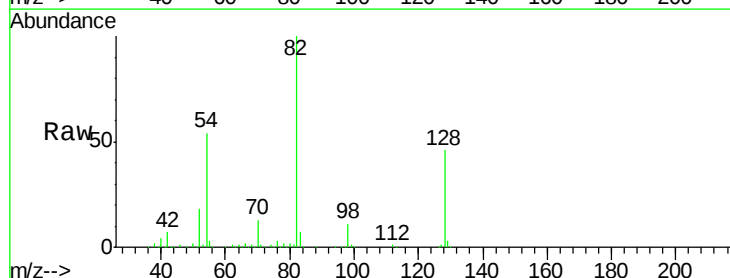
Ion Ratio Lower Upper

70 100

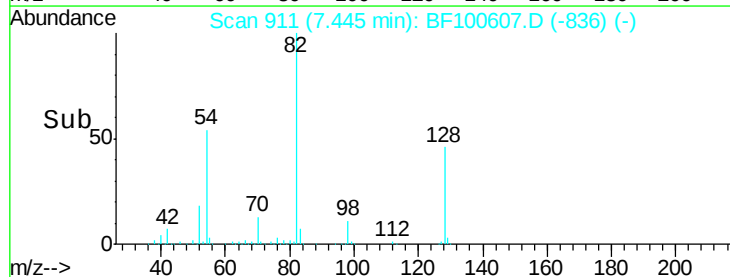
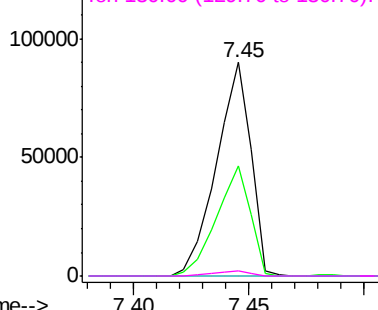
42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 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

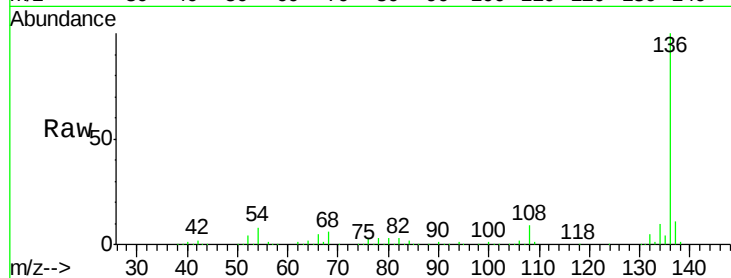




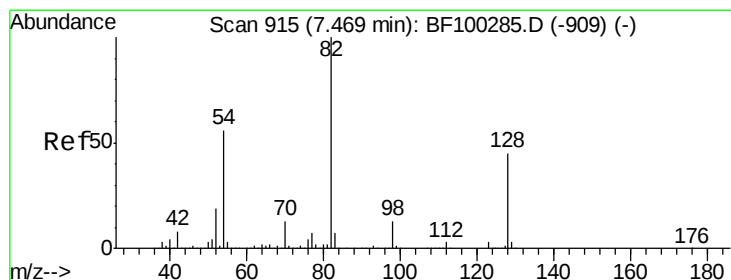
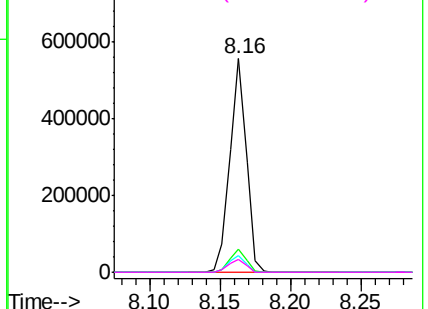
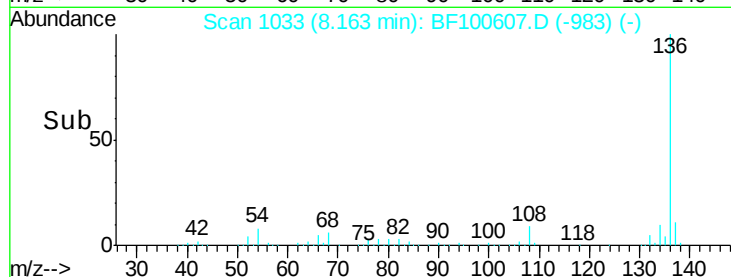
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	453303
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.1	6.6 9.8
68	6.2	5.0 7.4

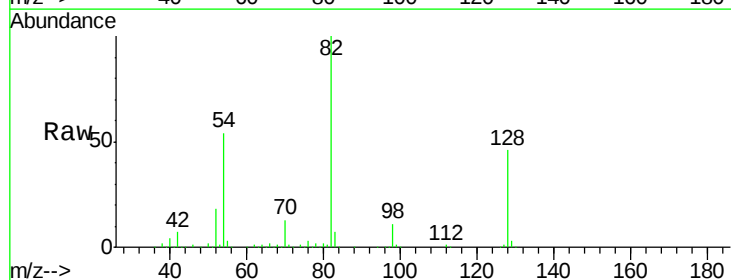


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

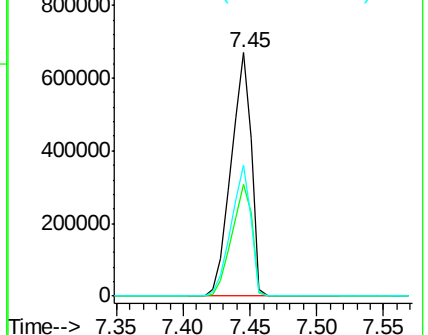
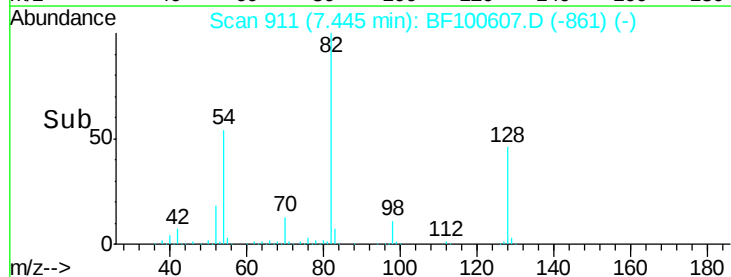


#23
Nitrobenzene-d5
Concen: 104.61 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Tgt Ion: 82	Resp:	717257
Ion Ratio	Lower	Upper
82	100	
128	45.8	36.1 54.1
54	53.9	41.4 62.2



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: 49.76 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100607.D

Acq: 16 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

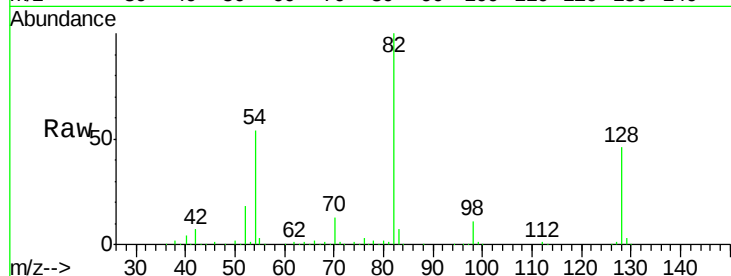
Tot Ion: 82 Resp: 716989

Ion Ratio Lower Upper

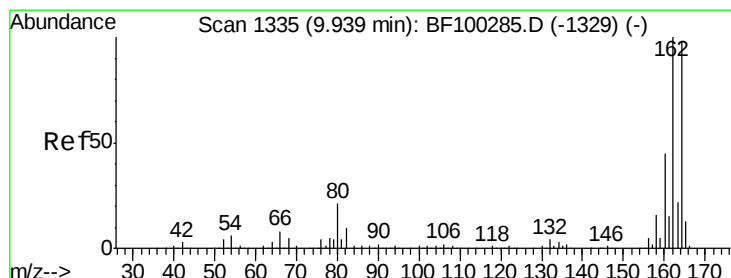
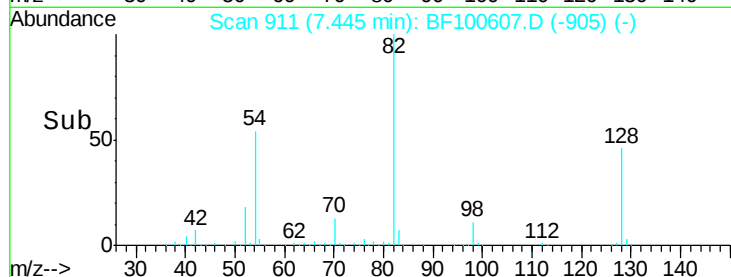
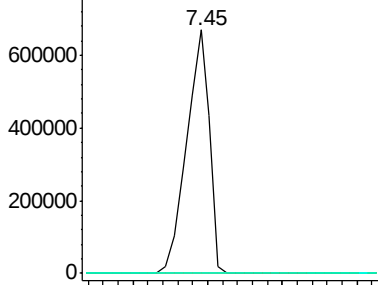
82 100

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: BF100607.D

Acq: 16 Nov 2017 00:46

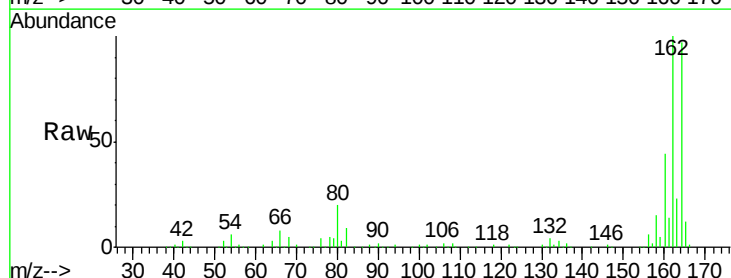
Tgt Ion: 164 Resp: 190992

Ion Ratio Lower Upper

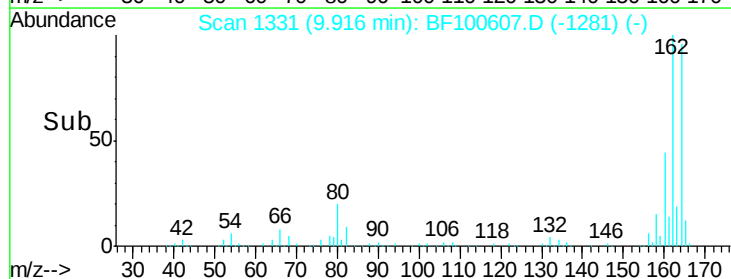
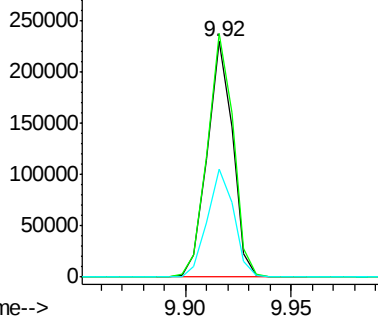
164 100

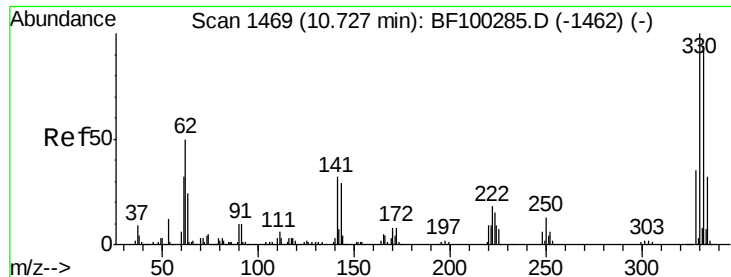
162 103.3 86.1 129.1

160 45.5 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

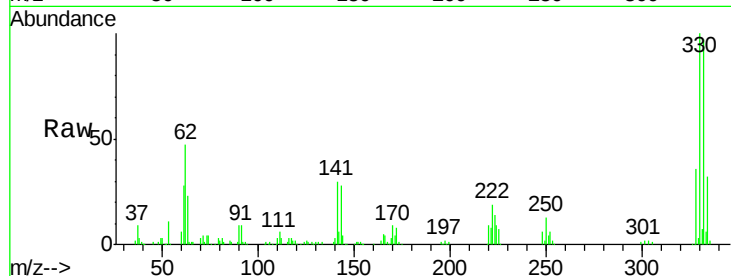




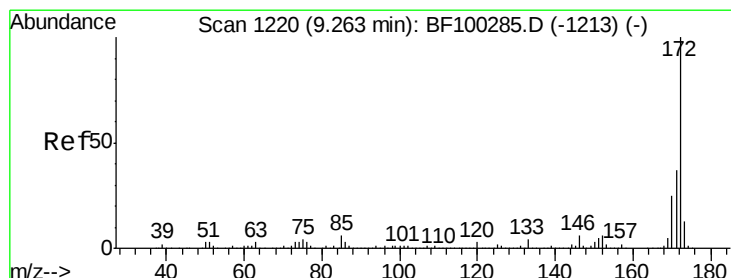
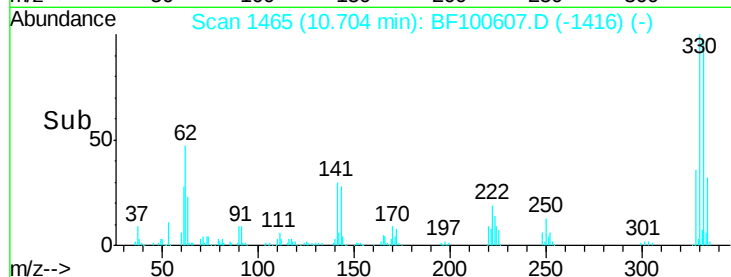
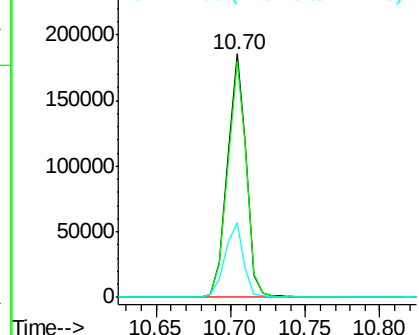
#41
 2,4,6-Tribromophenol
 Concen: 84.89 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100607.D
 Acq: 16 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 165210
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 30.0 29.9 44.9

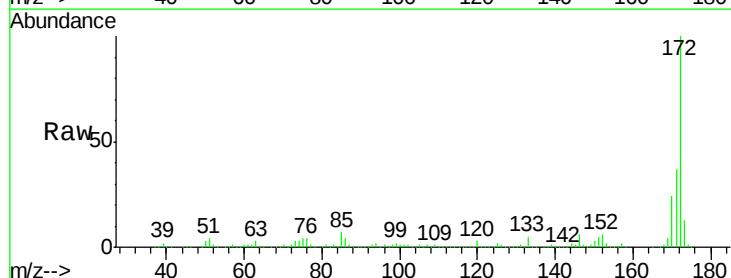


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

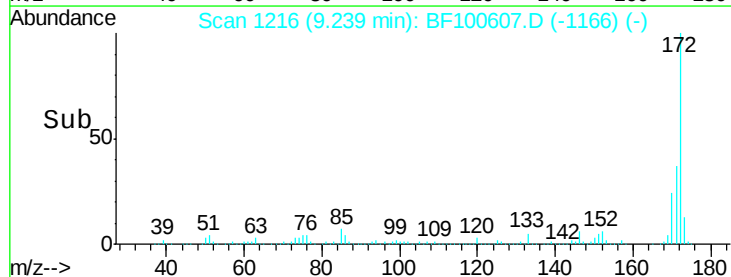
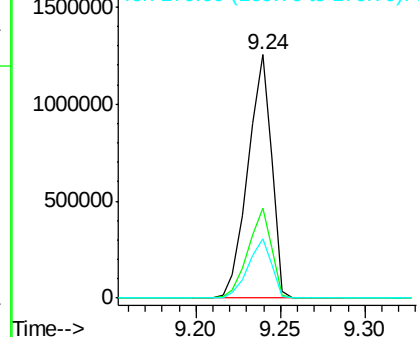


#44
 2-Fluorobiphenyl
 Concen: 98.39 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100607.D
 Acq: 16 Nov 2017 00:46

Tgt Ion:172 Resp: 1234058
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.4 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

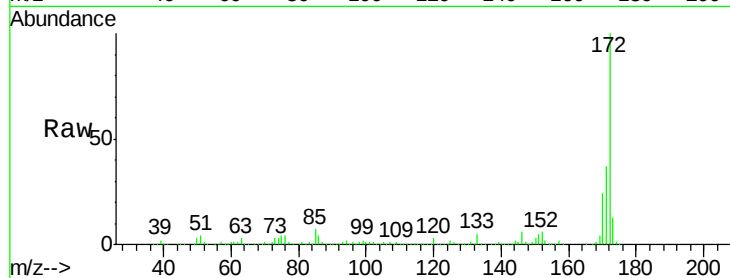




#47
2-Nitroaniline
Concen: 3.24 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.22 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	65	92	138
Resp	1727		
Ion Ratio	100	205.4	46.0
Lower		55.8	91.2
Upper		83.6#	136.8#

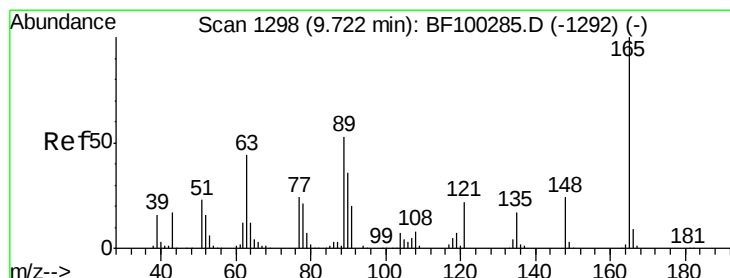
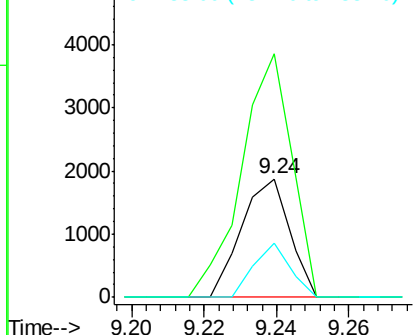
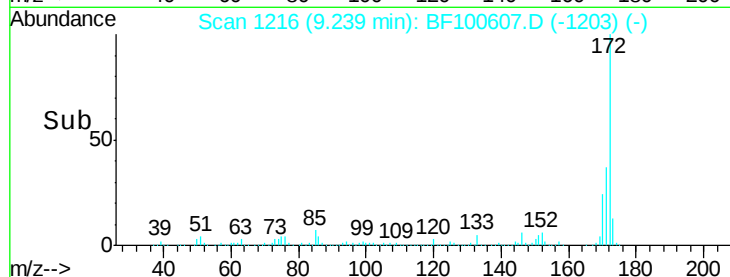


Abundance

Ion 65.00 (64.70 to 65.70): BF1

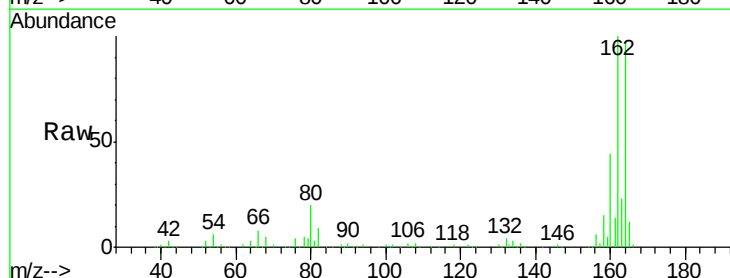
Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#50
2,6-Dinitrotoluene
Concen: 8.27 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Tgt Ion	165	63	89
Resp	23865		
Ion Ratio	100	0.0	1.7
Lower		44.7	44.0
Upper		67.1#	66.0#

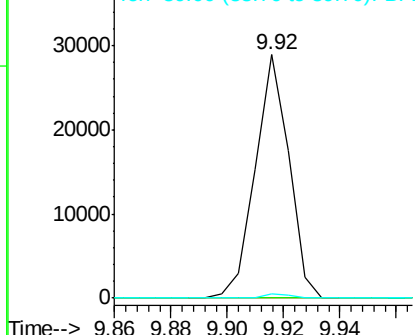
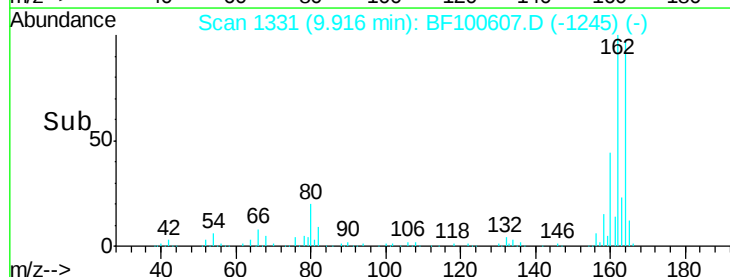


Abundance

Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

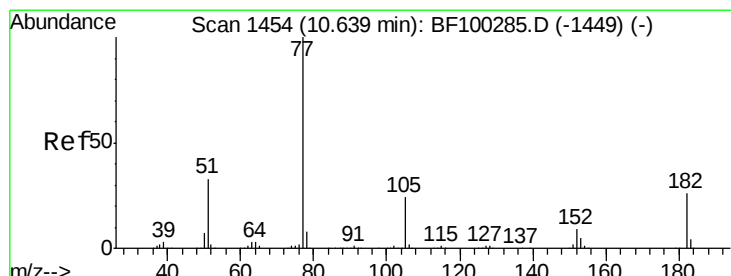
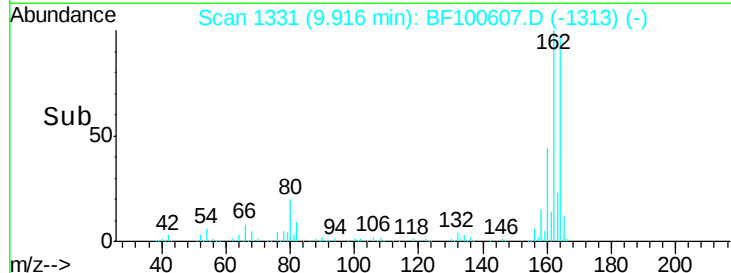
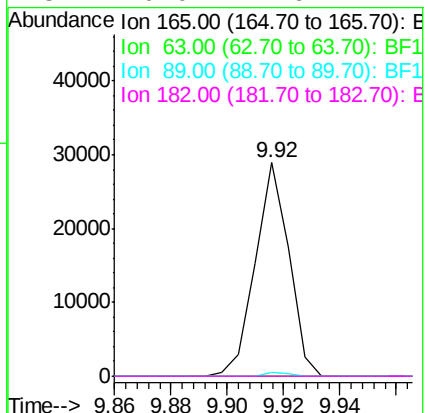
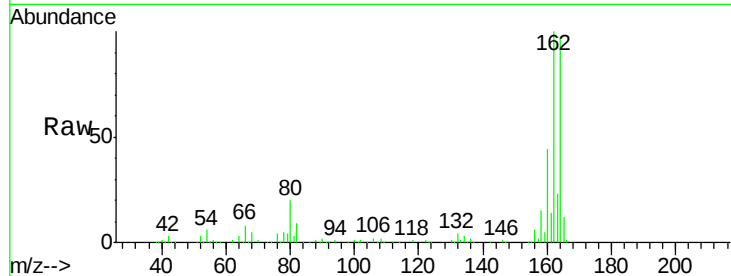




#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100607.D
 Acq: 16 Nov 2017 00:46

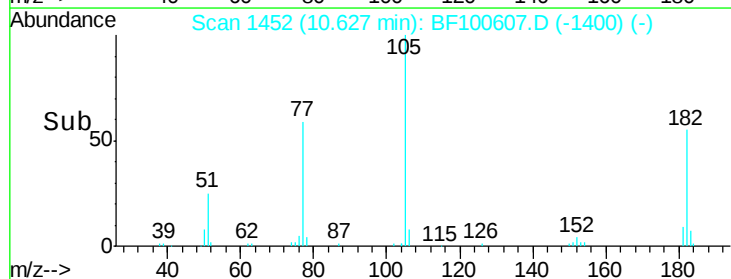
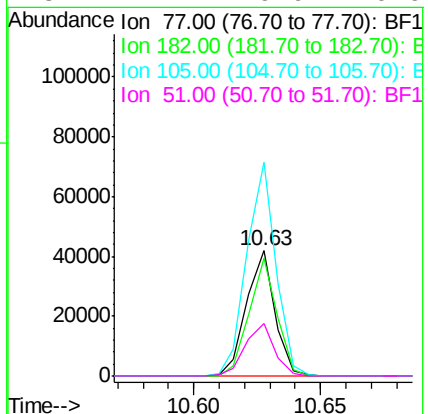
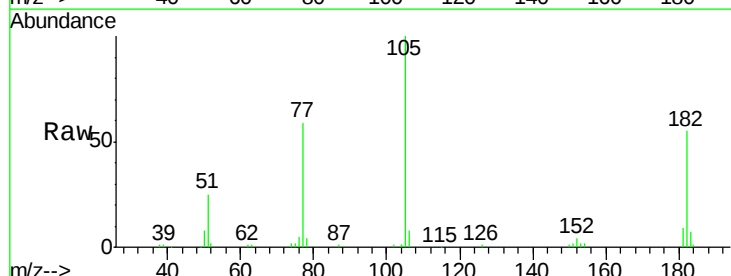
Instrument :
 BNA_F
 ClientSampleId :

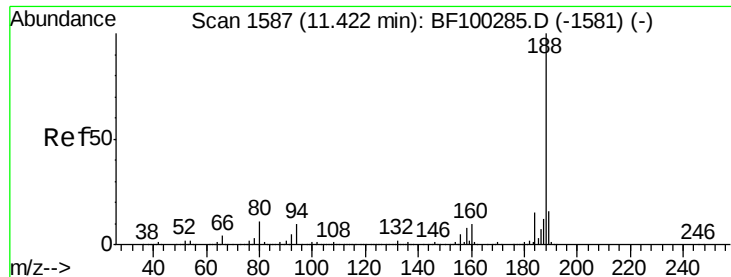
Tot Ion:	165	Resp:	23865
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 2.39 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100607.D
 Acq: 16 Nov 2017 00:46

Tgt Ion:	77	Resp:	32842
Ion Ratio	Lower	Upper	
77	100		
182	94.5	1.7	41.7#
105	170.8	3.0	43.0#
51	42.4	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100607.D

Acq: 16 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

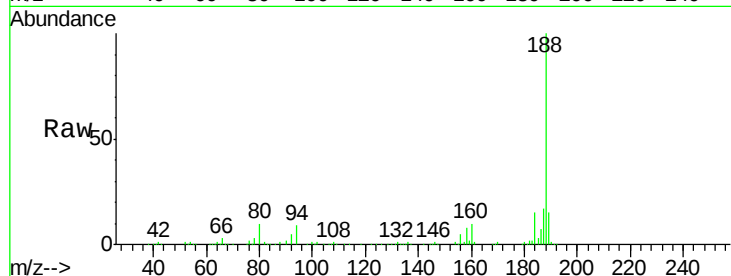
Tot Ion:188 Resp: 296708

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

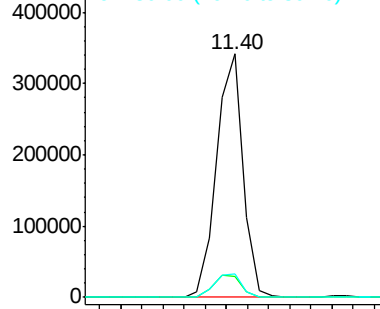
80 9.5 9.2 13.8



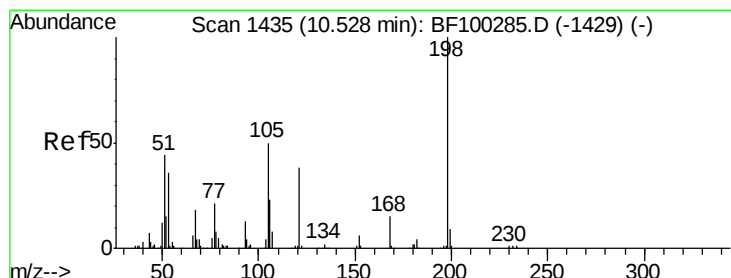
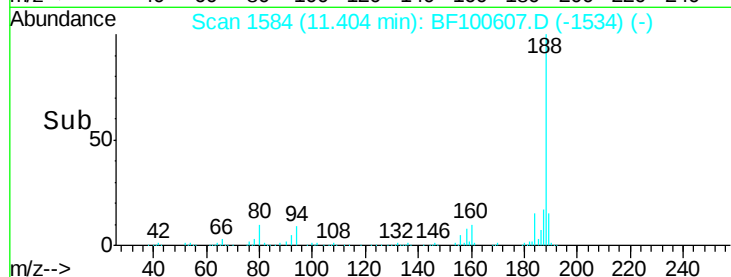
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 8.66 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF100607.D

Acq: 16 Nov 2017 00:46

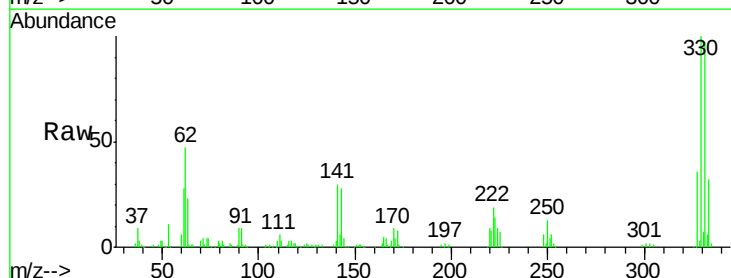
Tgt Ion:198 Resp: 173

Ion Ratio Lower Upper

198 100

51 126.2 37.7 77.7#

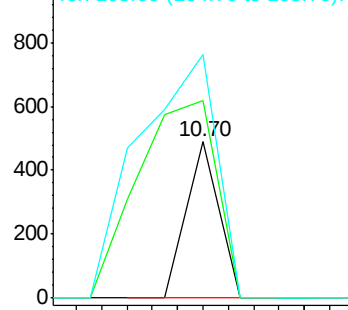
105 155.8 36.3 76.3#



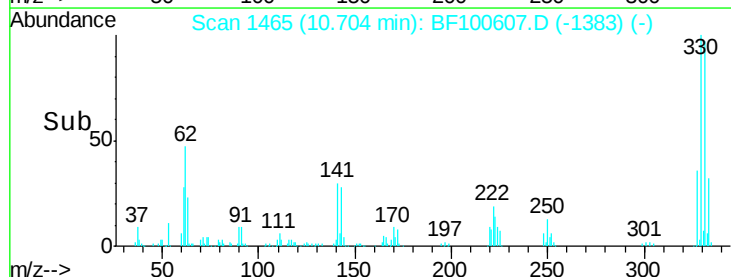
Abundance Ion 198.00 (197.70 to 198.70): E

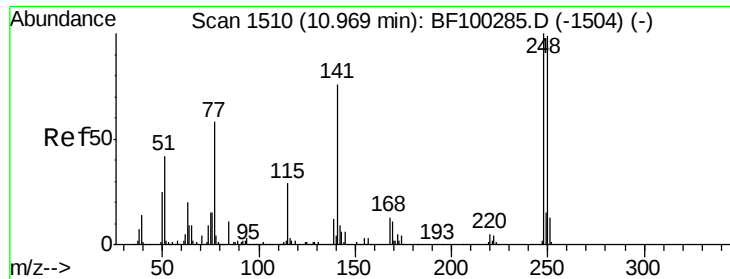
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->

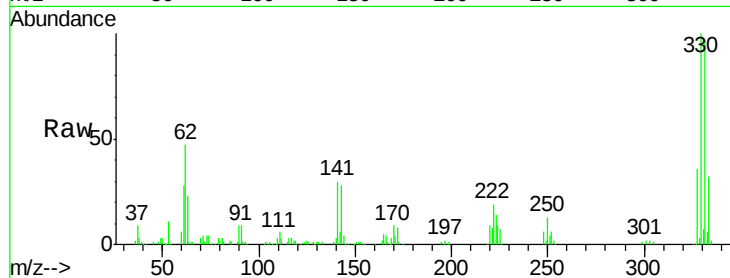




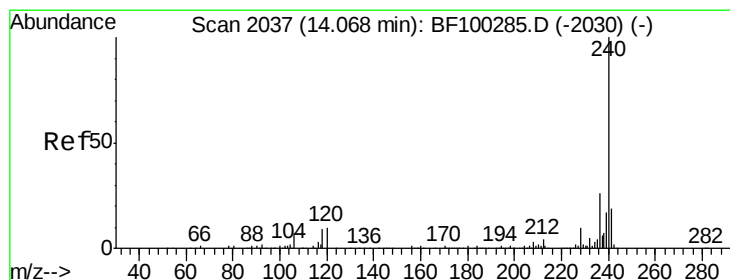
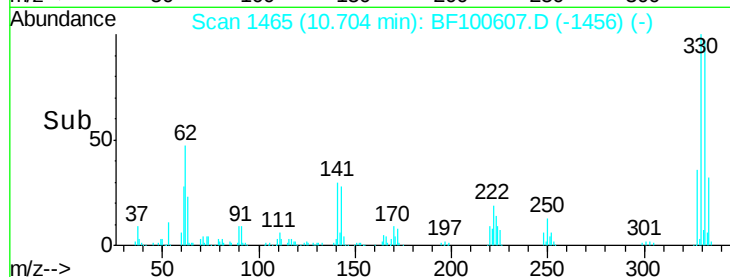
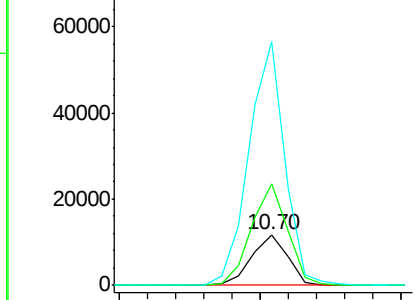
#66
4-Bromophenyl-phenylether
Concen: 3.24 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10304
Ion Ratio Lower Upper
248 100
250 199.9 76.9 115.3#
141 481.0 74.4 111.6#

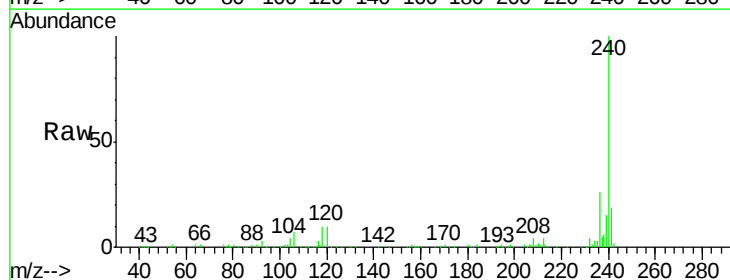


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

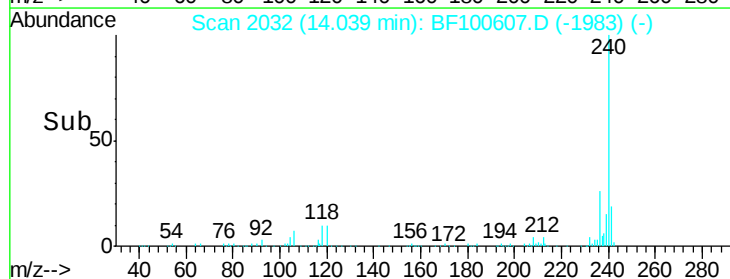
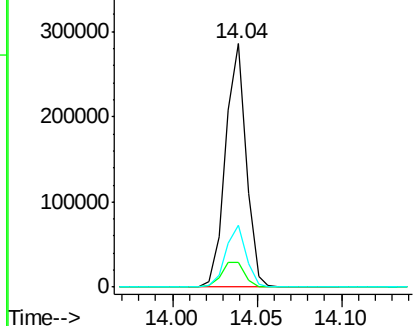


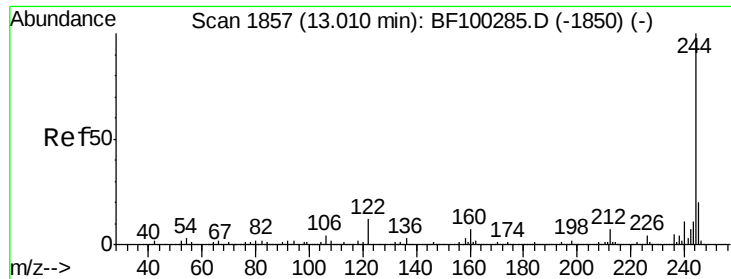
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100607.D
Acq: 16 Nov 2017 00:46

Tgt Ion:240 Resp: 243488
Ion Ratio Lower Upper
240 100
120 10.1 9.5 14.3
236 25.6 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: 76.17 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100607.D

Acq: 16 Nov 2017 00:46

Instrument :

BNA_F

ClientSampled :

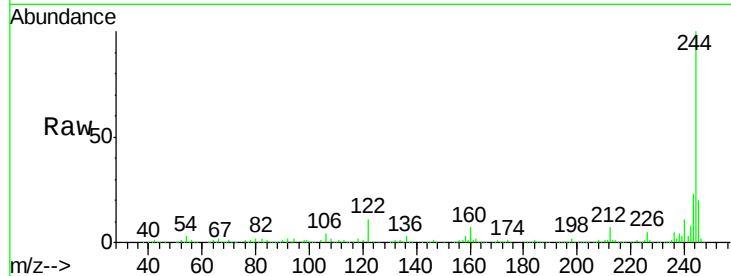
Tot Ion:244 Resp: 807158

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

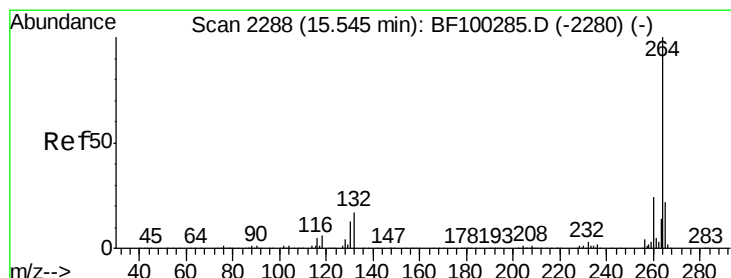
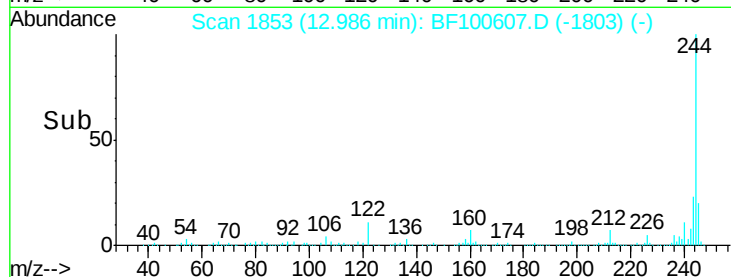
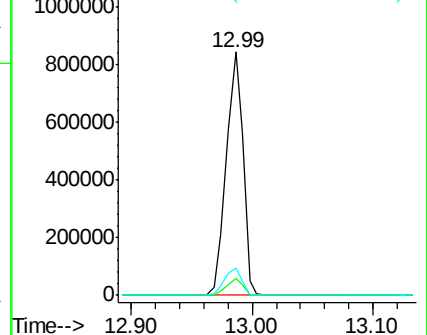
122 11.5 11.0 16.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF100607.D

Acq: 16 Nov 2017 00:46

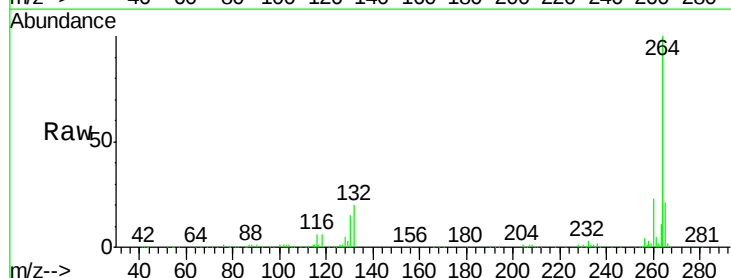
Tgt Ion:264 Resp: 253205

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

