

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100610.D
 Acq On : 16 Nov 2017 2:06
 Operator : SJ/JU
 Sample : I6426-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:41:05 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

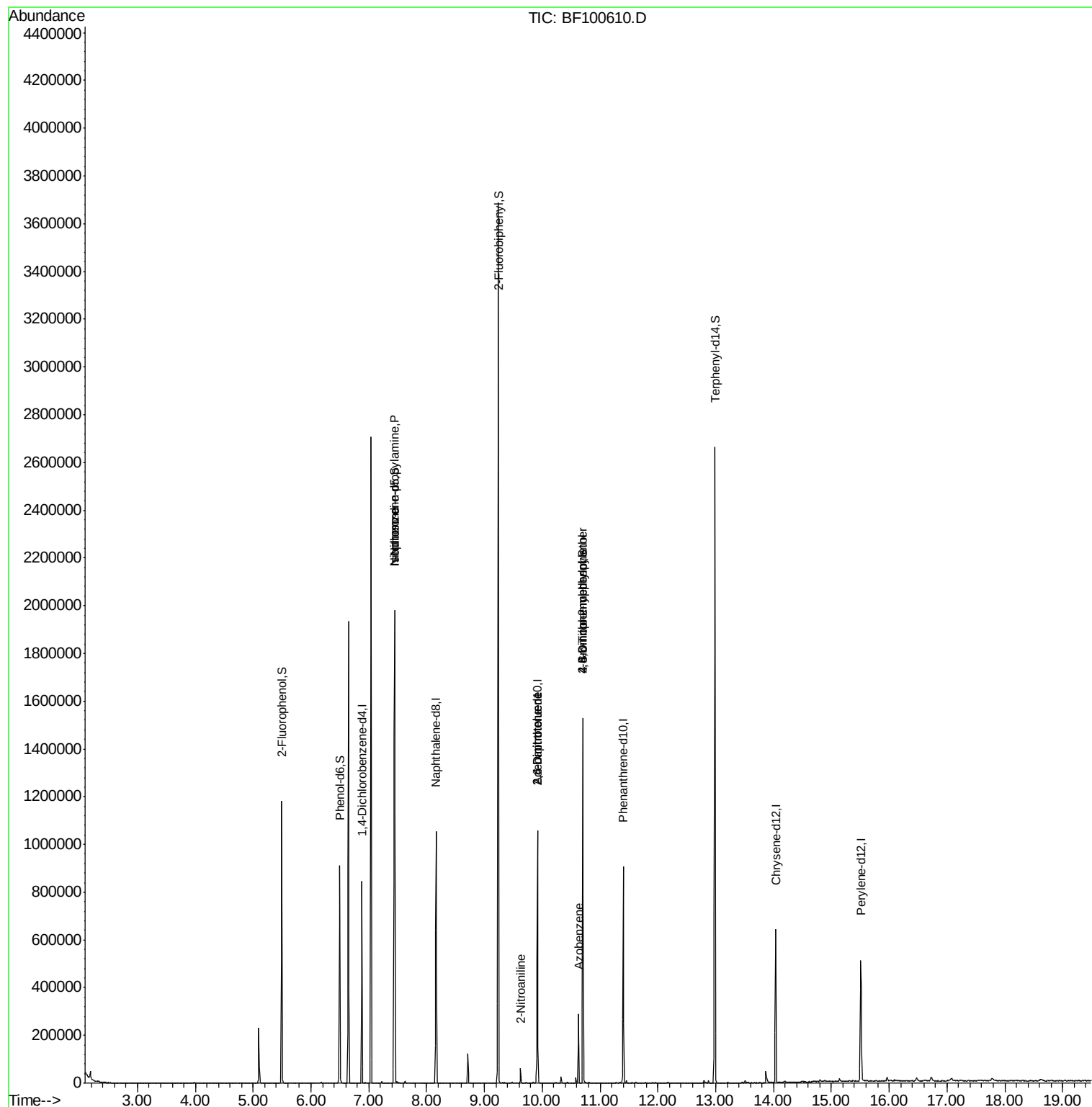
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	116339	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	440798	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	194906	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	330263	20.00	ng	0.00
75) Chrysene-d12	14.04	240	229800	20.00	ng	-0.01
86) Perylene-d12	15.51	264	237884	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	338954	46.70	ng	0.00
7) Phenol-d6	6.50	99	263537	29.45	ng	-0.02
23) Nitrobenzene-d5	7.45	82	703395	105.50	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	183972	92.63	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1255291	98.07	ng	0.00
78) Terphenyl-d14	12.99	244	899355	89.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	92561	14.91	ng	# 80
25) Isophorone	7.45	82	703148	50.19	ng	# 64
47) 2-Nitroaniline	9.63	65	111	2.81	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	24828	8.43	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	24828	6.68	ng	# 23
62) Azobenzene	10.63	77	44144	3.15	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	252	8.69	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11640	3.29	ng	# 1

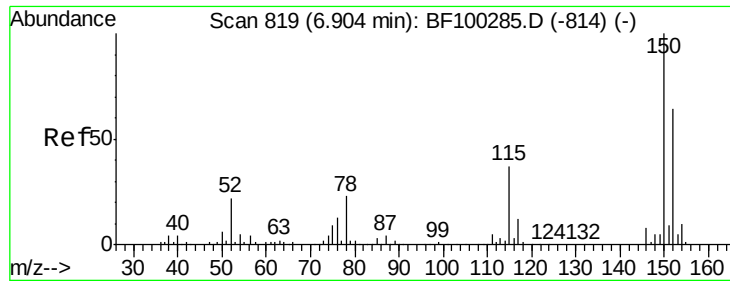
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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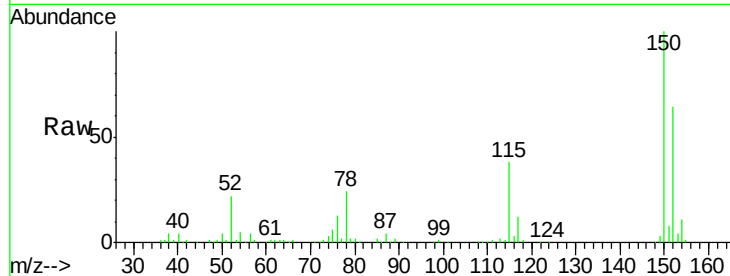


#1

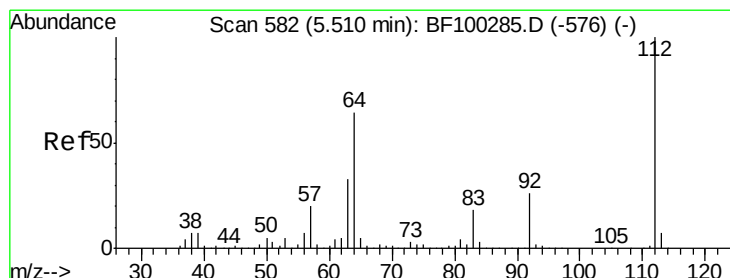
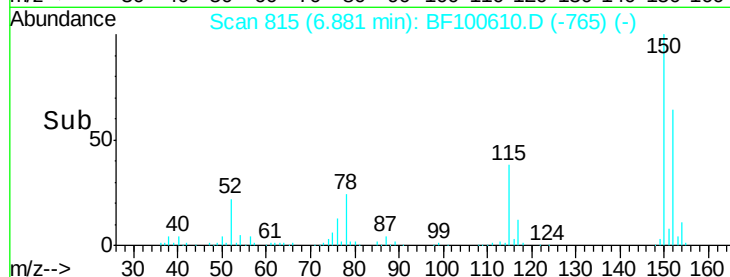
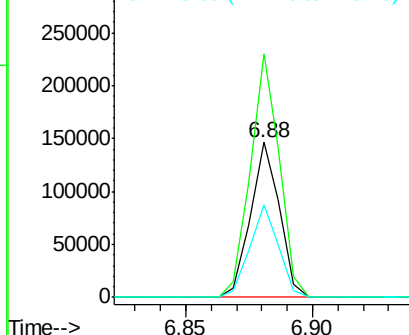
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100610.D
Acq: 16 Nov 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116339
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 60.2 50.1 75.1



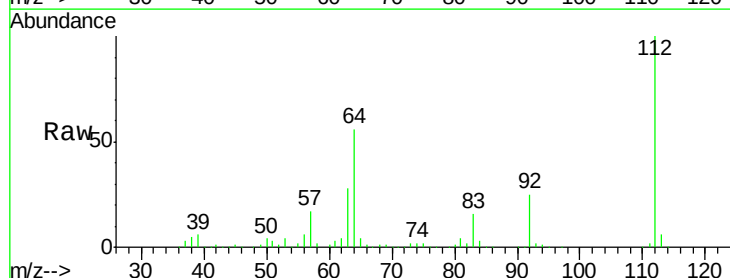
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



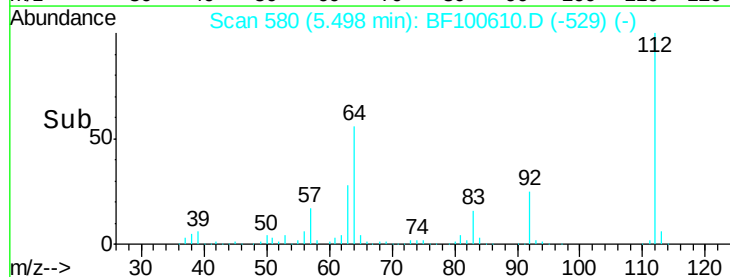
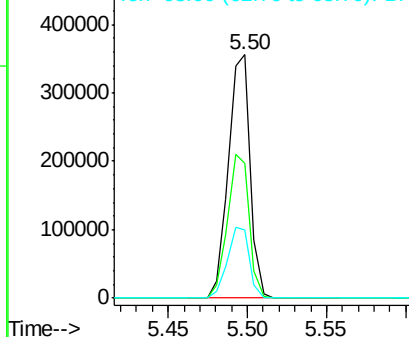
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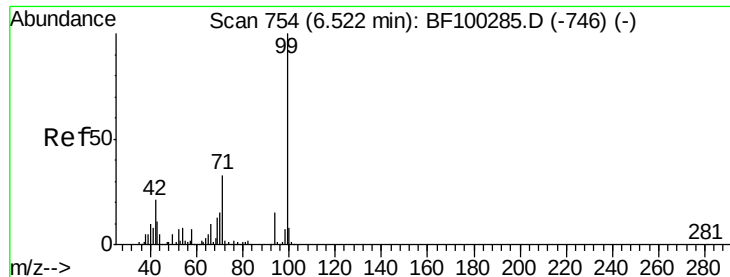
2-Fluorophenol
Concen: 46.70 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF100610.D
Acq: 16 Nov 2017 2:06

Tgt Ion:112 Resp: 338954
Ion Ratio Lower Upper
112 100
64 55.5 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: 29.45 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100610.D

Acq: 16 Nov 2017 2:06

Instrument :

BNA_F

ClientSampleId :

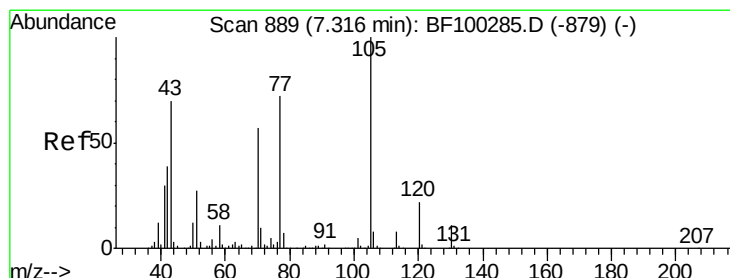
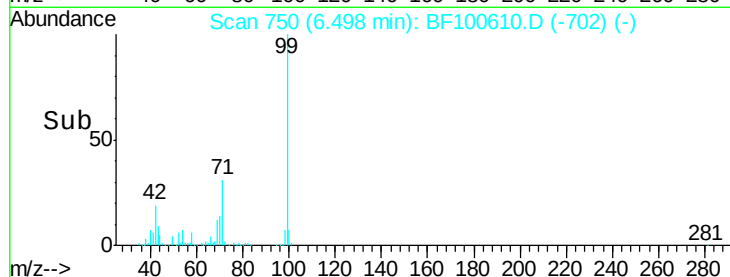
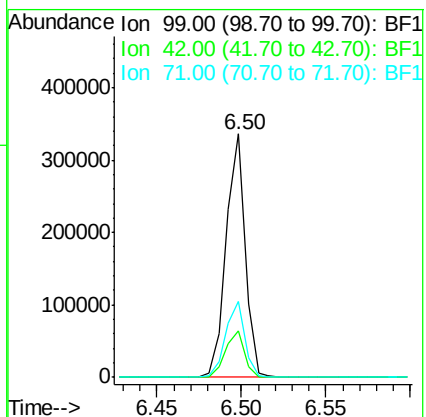
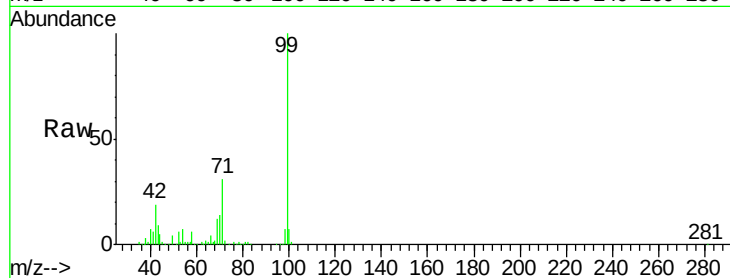
Tot Ion: 99 Resp: 263537

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 31.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.91 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF100610.D

Acq: 16 Nov 2017 2:06

Tgt Ion: 70 Resp: 92561

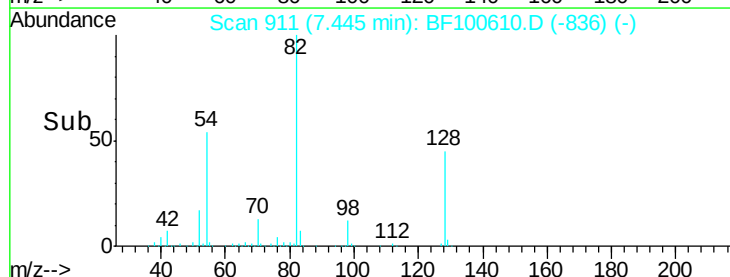
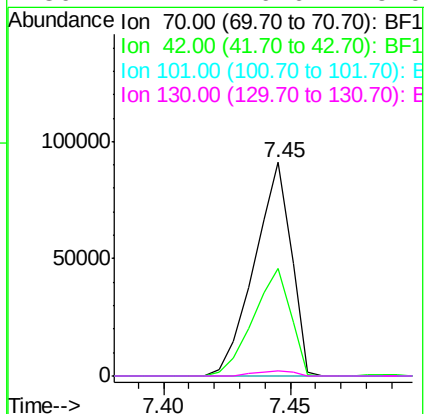
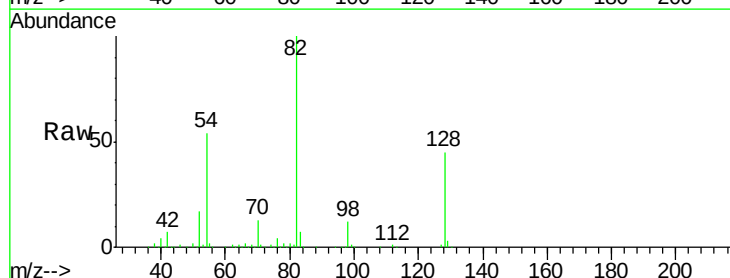
Ion Ratio Lower Upper

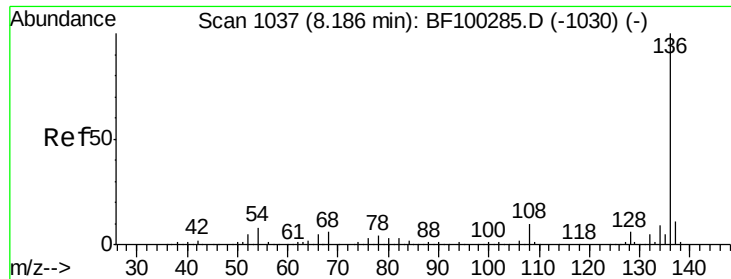
70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

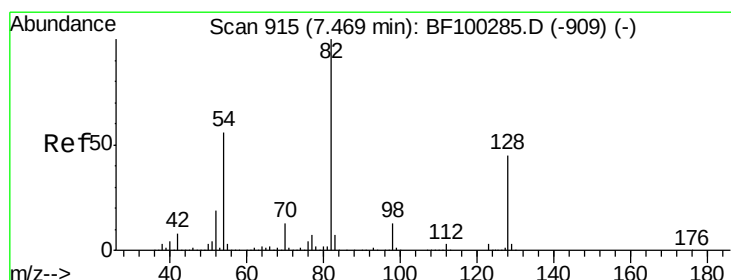
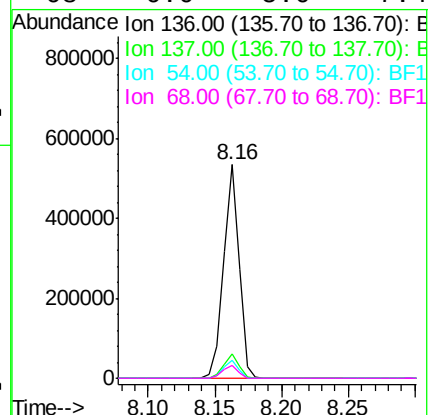
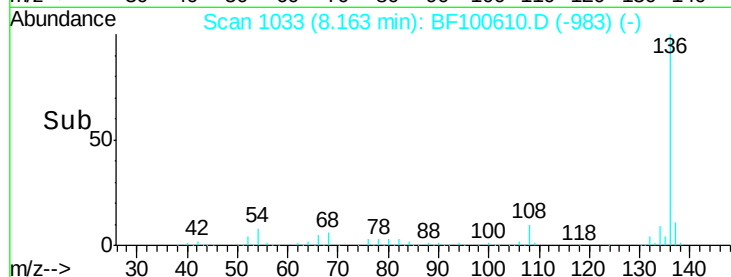
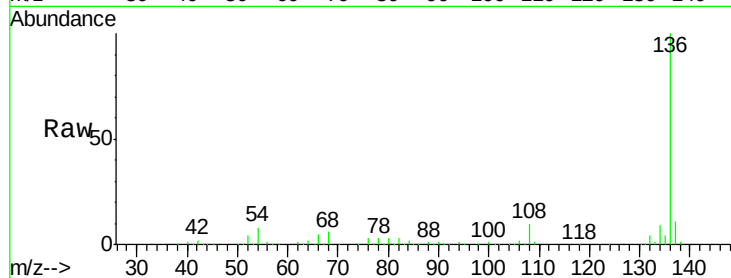




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100610.D
Acq: 16 Nov 2017 2:06

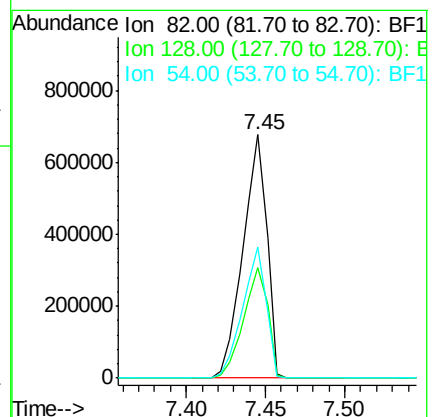
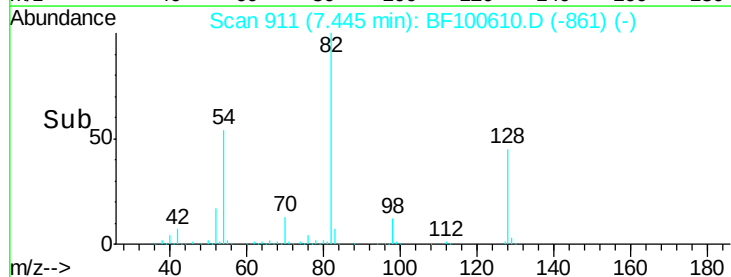
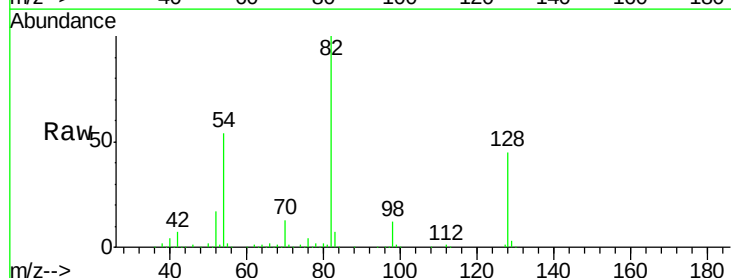
Instrument :
BNA_F
ClientSampleId :

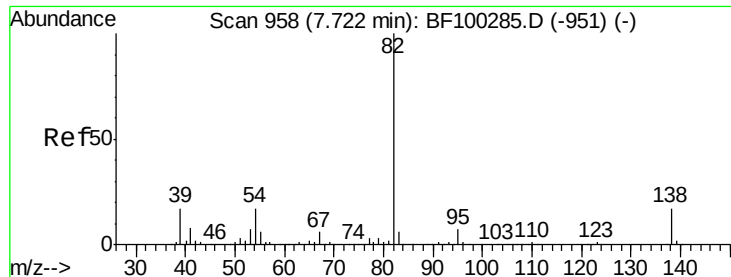
Tot Ion:136	Resp:	440798
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.4	6.6 9.8
68	6.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 105.50 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100610.D
Acq: 16 Nov 2017 2:06

Tgt Ion: 82	Resp:	703395
Ion Ratio	Lower	Upper
82	100	
128	45.5	36.1 54.1
54	53.9	41.4 62.2





#25

Isophorone

Concen: 50.19 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100610.D

Acq: 16 Nov 2017 2:06

Instrument :

BNA_F

ClientSampleId :

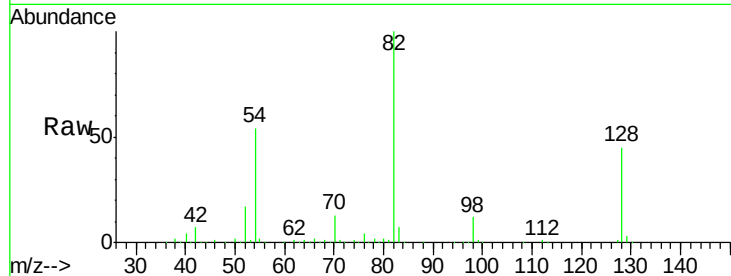
Tot Ion: 82 Resp: 703148

Ion Ratio Lower Upper

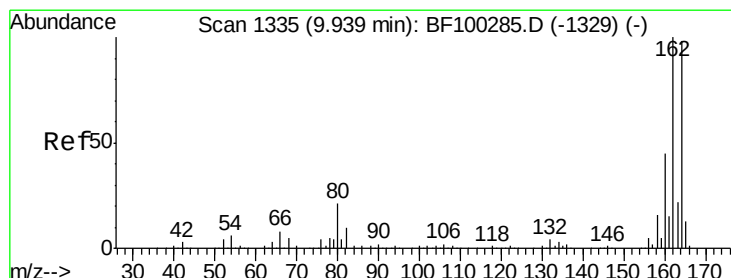
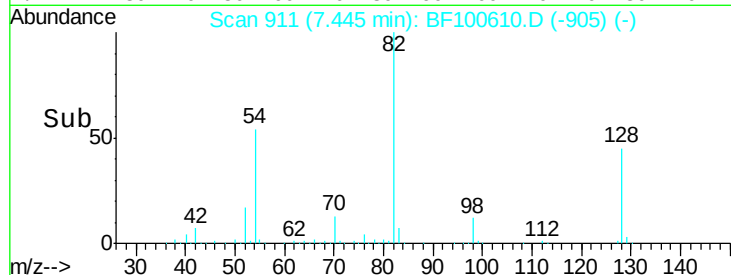
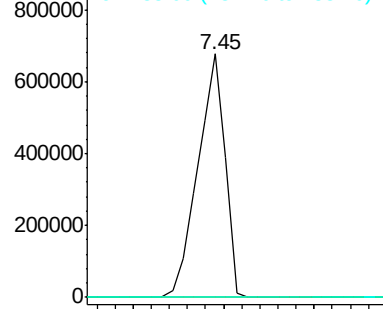
82 100

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: BF100610.D

Acq: 16 Nov 2017 2:06

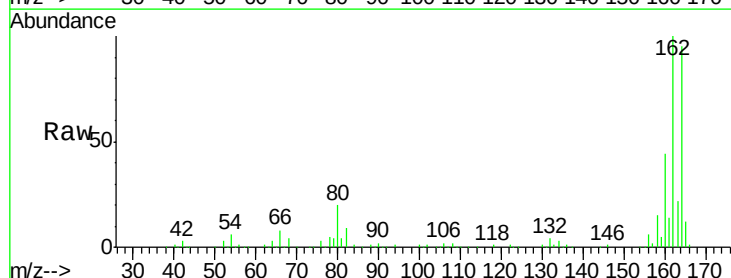
Tgt Ion:164 Resp: 194906

Ion Ratio Lower Upper

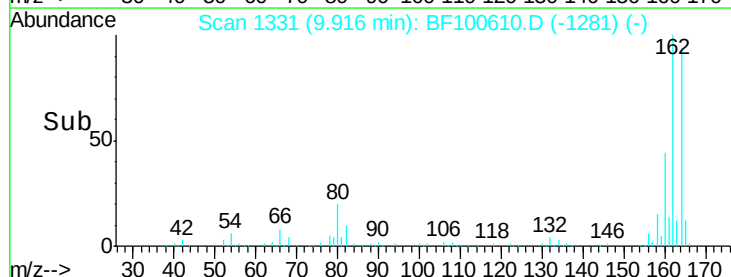
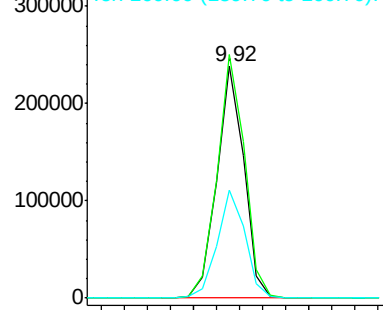
164 100

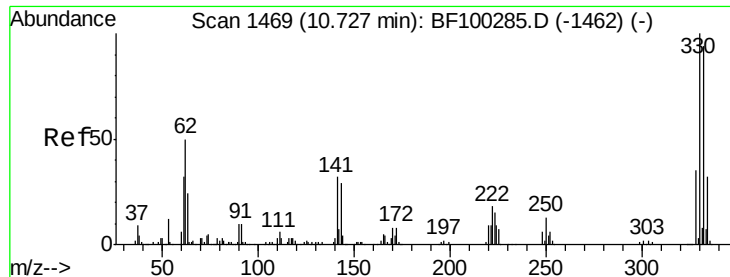
162 105.0 86.1 129.1

160 46.6 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

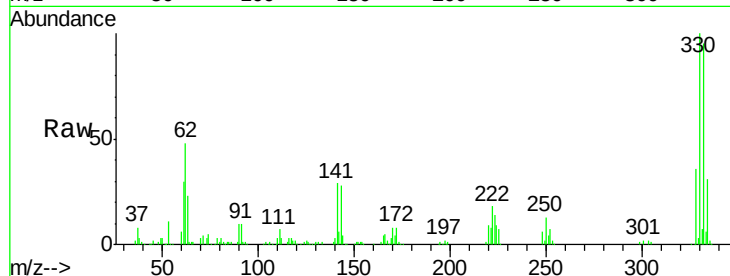




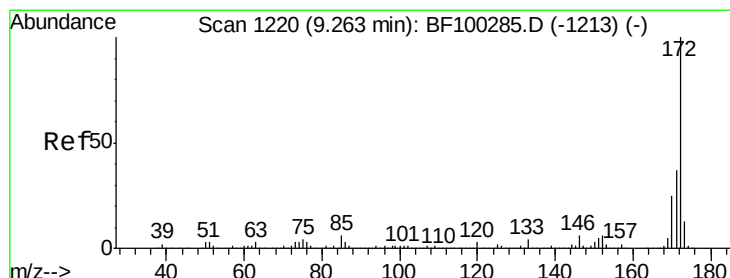
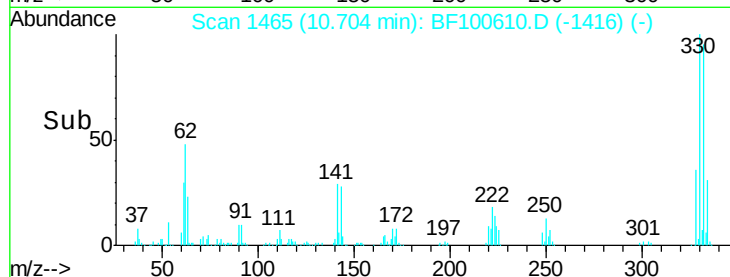
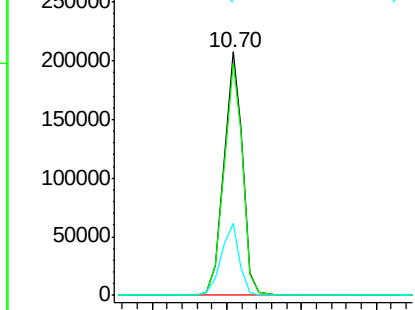
#41
 2,4,6-Tribromophenol
 Concen: 92.63 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100610.D
 Acq: 16 Nov 2017 2:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	28.8	29.9	44.9#

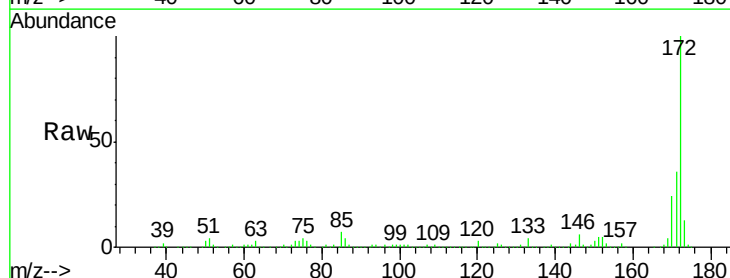


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

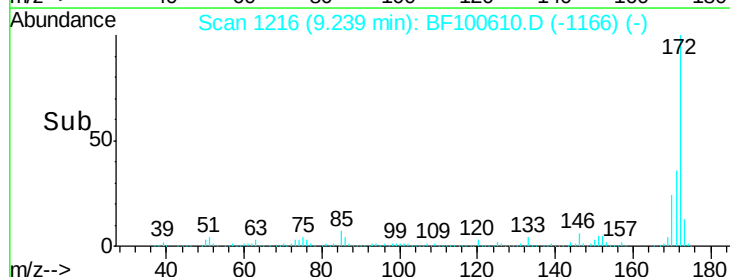
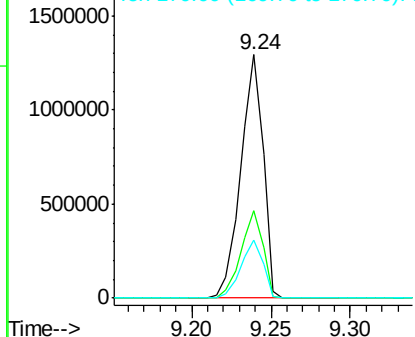


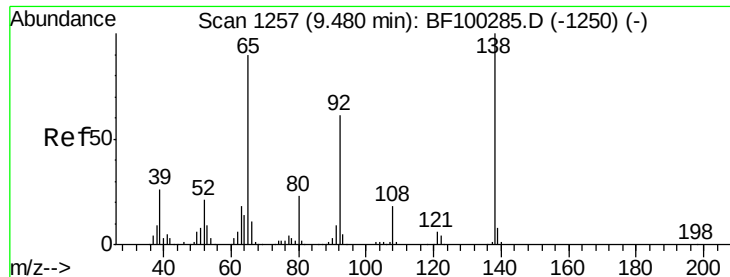
#44
 2-Fluorobiphenyl
 Concen: 98.07 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100610.D
 Acq: 16 Nov 2017 2:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	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: 2.81 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF100610.D

Acq: 16 Nov 2017 2:06

Instrument :

BNA_F

ClientSampled :

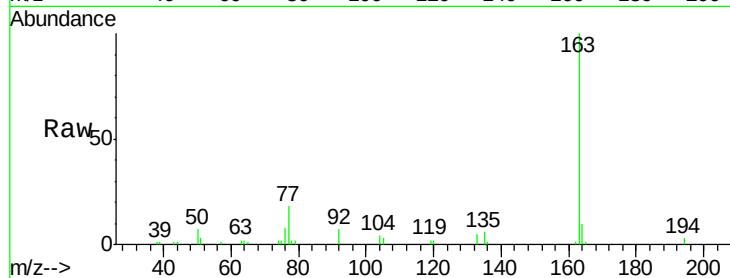
Tot Ion: 65 Resp: 111

Ion Ratio Lower Upper

65 100

92 681.2 55.8 83.6#

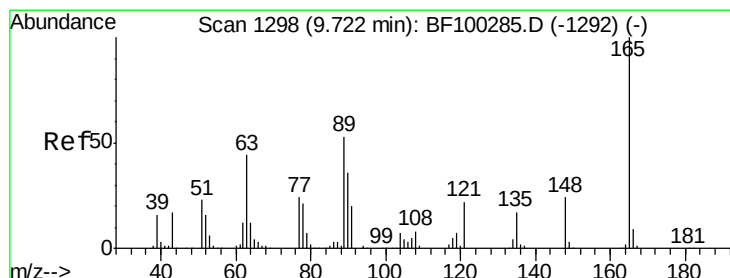
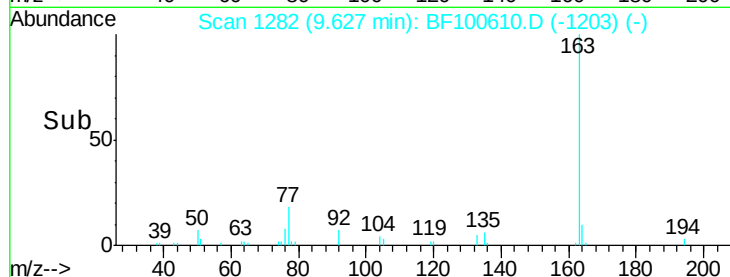
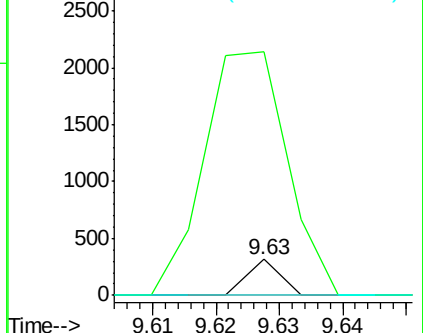
138 0.0 91.2 136.8#



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: 8.43 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF100610.D

Acq: 16 Nov 2017 2:06

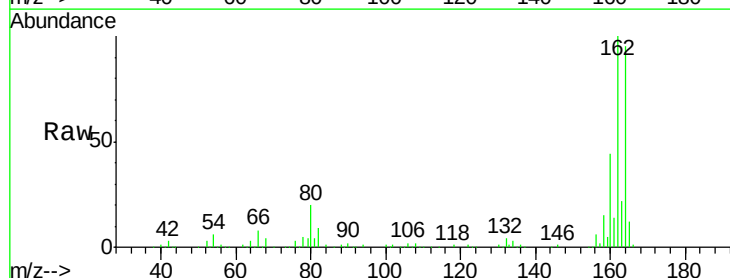
Tgt Ion: 165 Resp: 24828

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

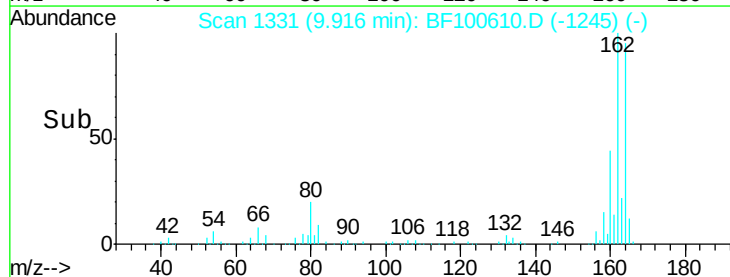
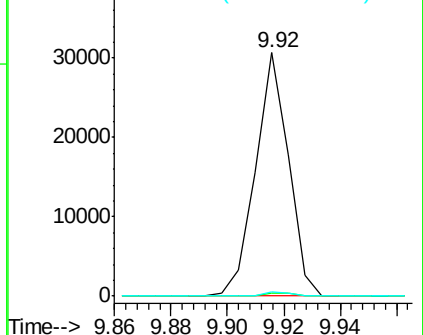
89 1.6 44.0 66.0#

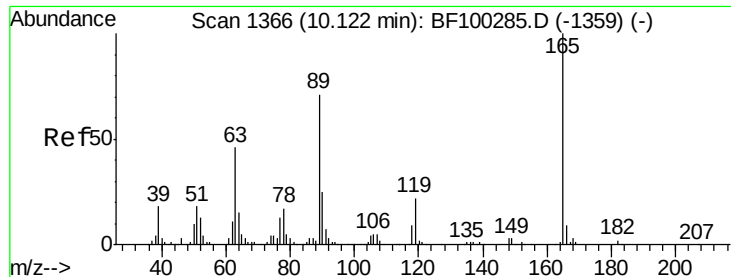


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

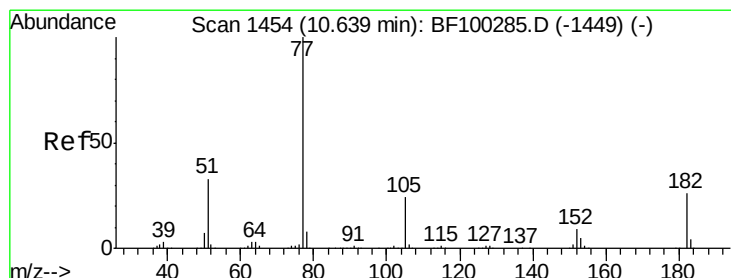
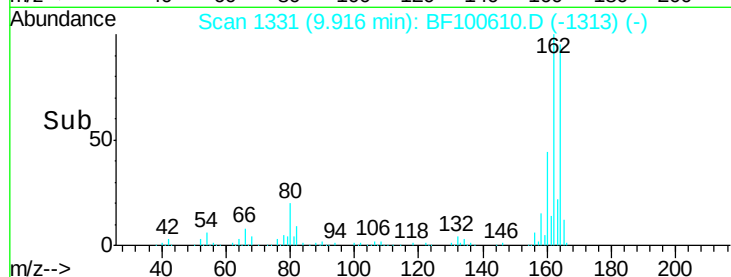
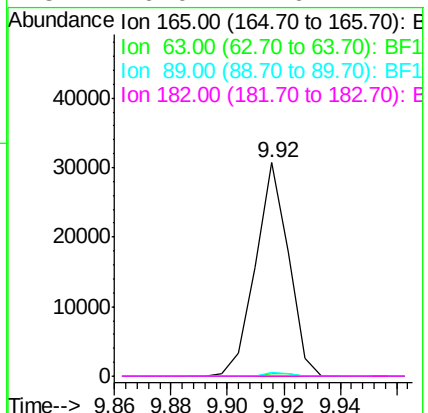
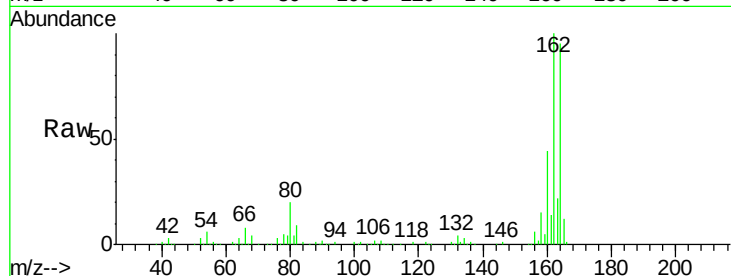




#56
 2,4-Dinitrotoluene
 Concen: 6.68 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100610.D
 Acq: 16 Nov 2017 2:06

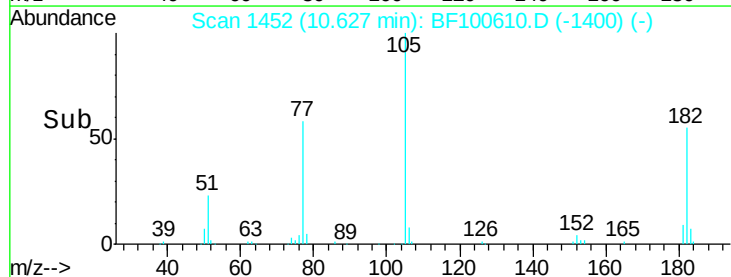
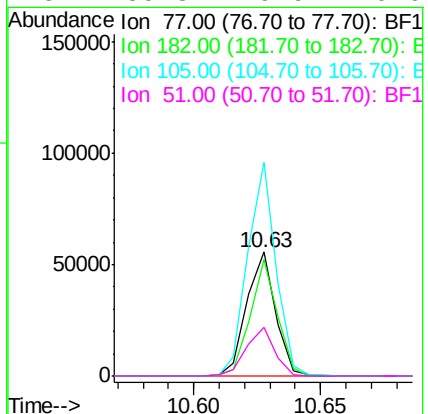
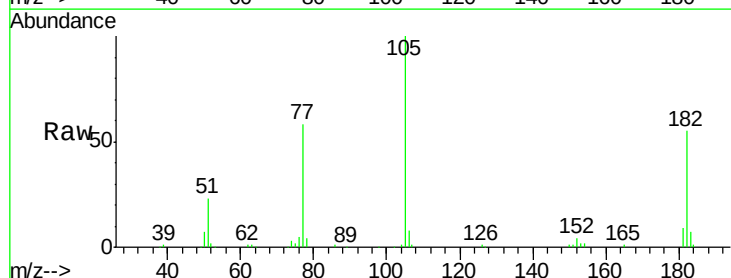
Instrument :
 BNA_F
 ClientSampleId :

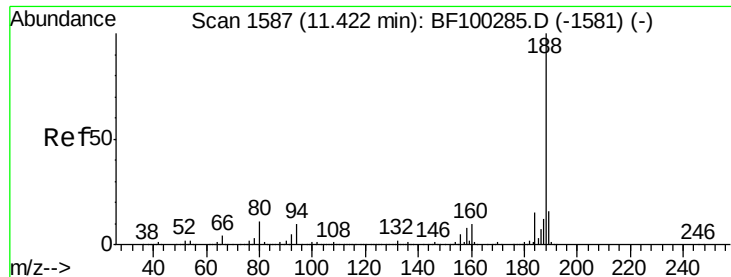
Tot Ion:	165	Resp:	24828
Ion Ratio	Lower	Upper	
165	100		
63	1.1	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.15 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100610.D
 Acq: 16 Nov 2017 2:06

Tgt Ion:	77	Resp:	44144
Ion Ratio	Lower	Upper	
77	100		
182	94.4	1.7	41.7#
105	172.7	3.0	43.0#
51	39.3	9.9	49.9

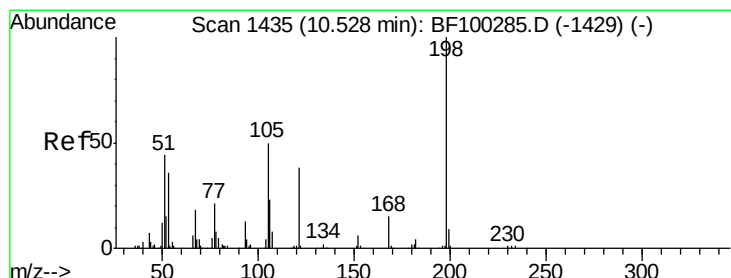
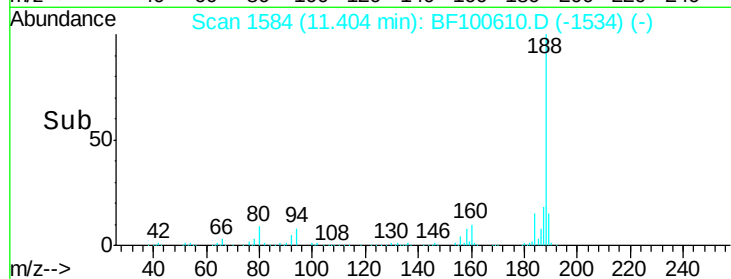
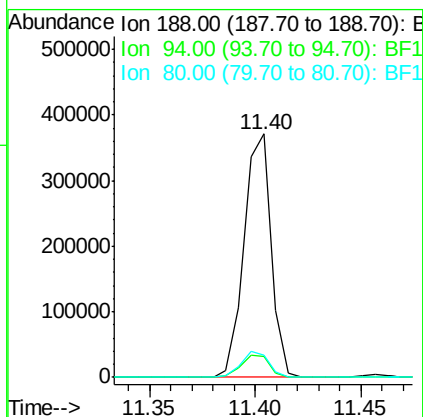
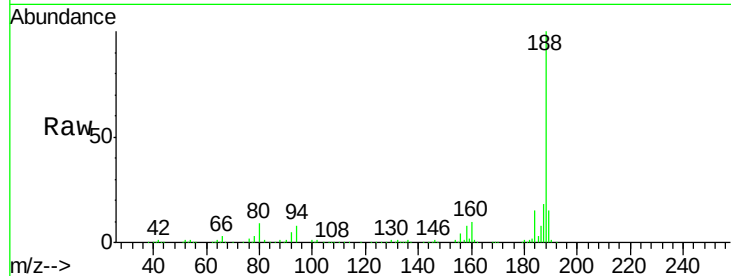




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100610.D
 Acq: 16 Nov 2017 2:06

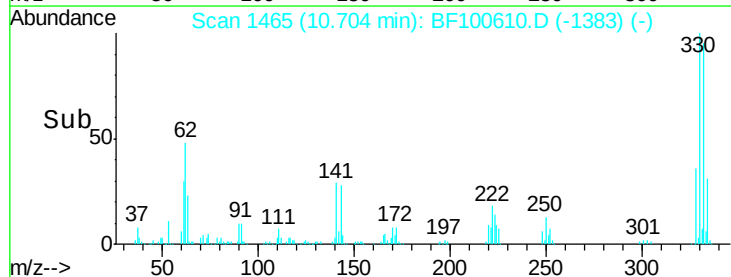
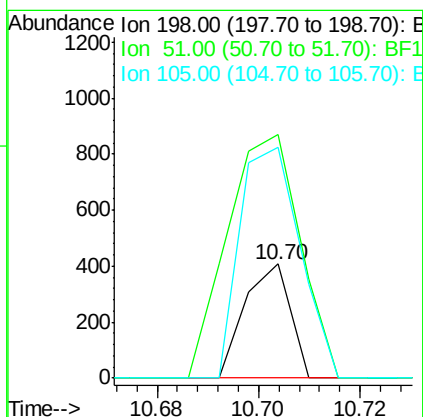
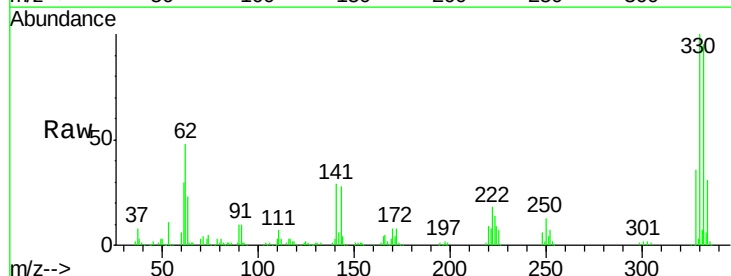
Instrument :
 BNA_F
 ClientSampled :

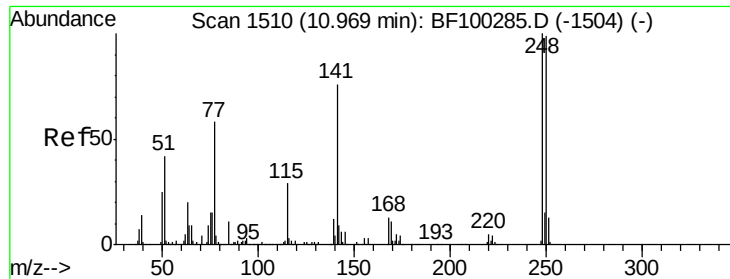
Tot Ion:188 Resp: 330263
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7
 80 9.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.69 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF100610.D
 Acq: 16 Nov 2017 2:06

Tgt Ion:198 Resp: 252
 Ion Ratio Lower Upper
 198 100
 51 213.8 37.7 77.7#
 105 202.7 36.3 76.3#

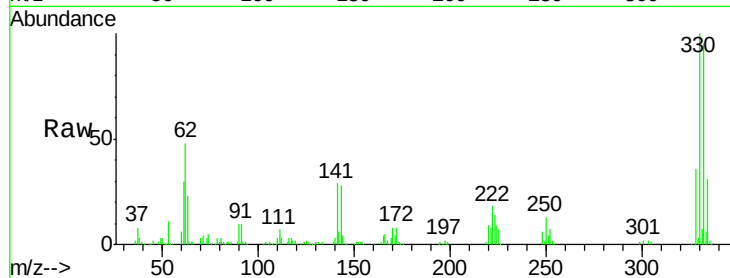




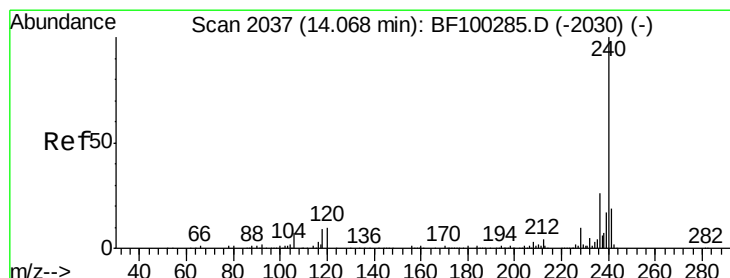
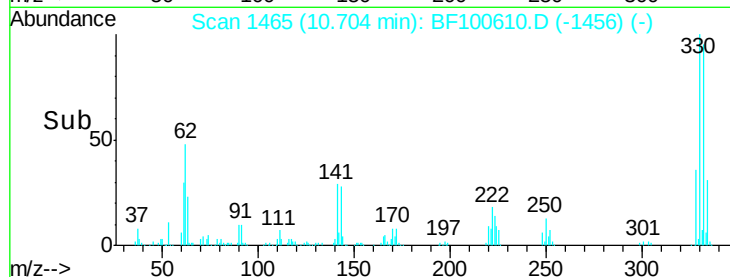
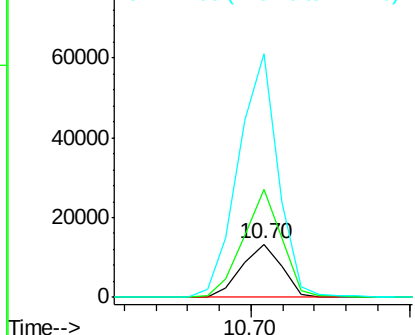
#66
4-Bromophenyl-phenylether
Concen: 3.29 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100610.D
Acq: 16 Nov 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11640
Ion Ratio Lower Upper
248 100
250 202.1 76.9 115.3#
141 457.6 74.4 111.6#

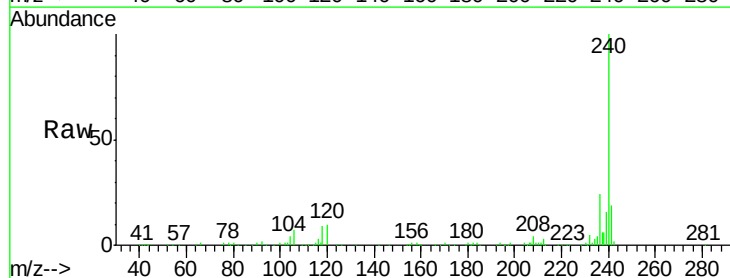


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

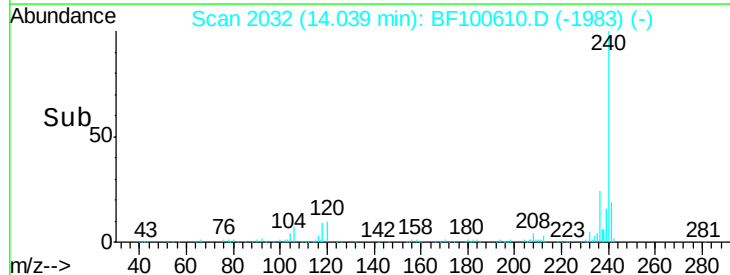
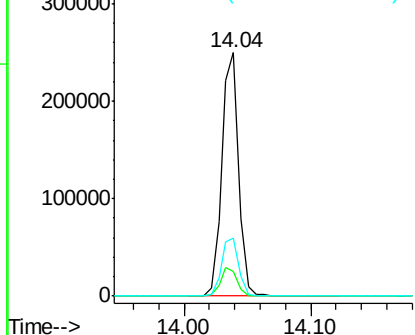


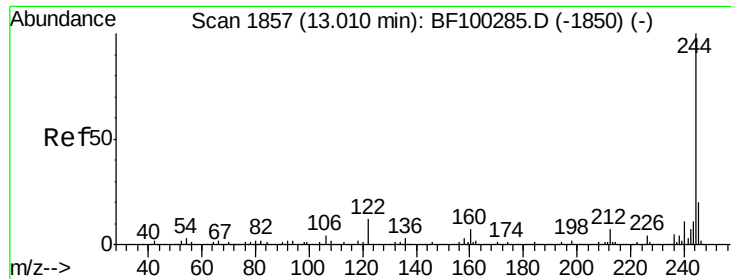
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100610.D
Acq: 16 Nov 2017 2:06

Tgt Ion:240 Resp: 229800
Ion Ratio Lower Upper
240 100
120 10.0 9.5 14.3
236 24.0 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: 89.92 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100610.D

Acq: 16 Nov 2017 2:06

Instrument :

BNA_F

ClientSampleId :

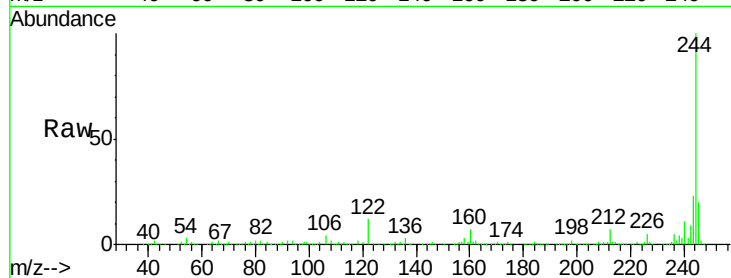
Tot Ion:244 Resp: 899355

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

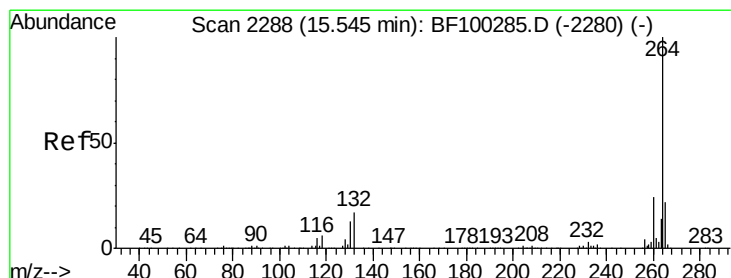
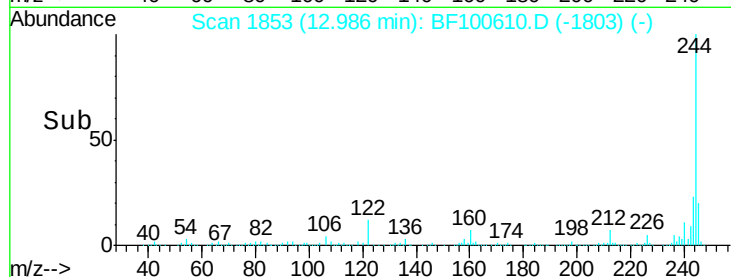
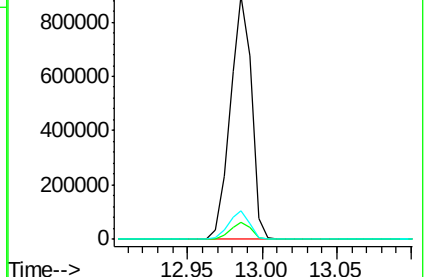
122 11.8 11.0 16.4



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: BF100610.D

Acq: 16 Nov 2017 2:06

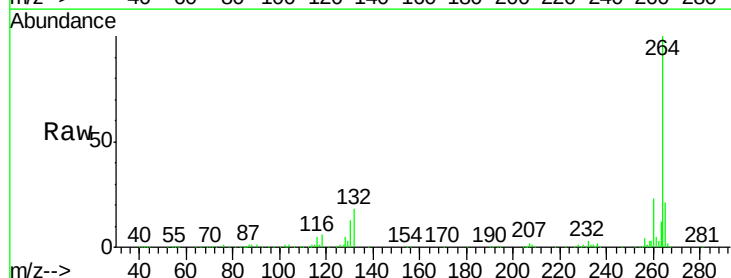
Tgt Ion:264 Resp: 237884

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.3 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

