

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100608.D
 Acq On : 16 Nov 2017 1:13
 Operator : SJ/JU
 Sample : I6426-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:40:31 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

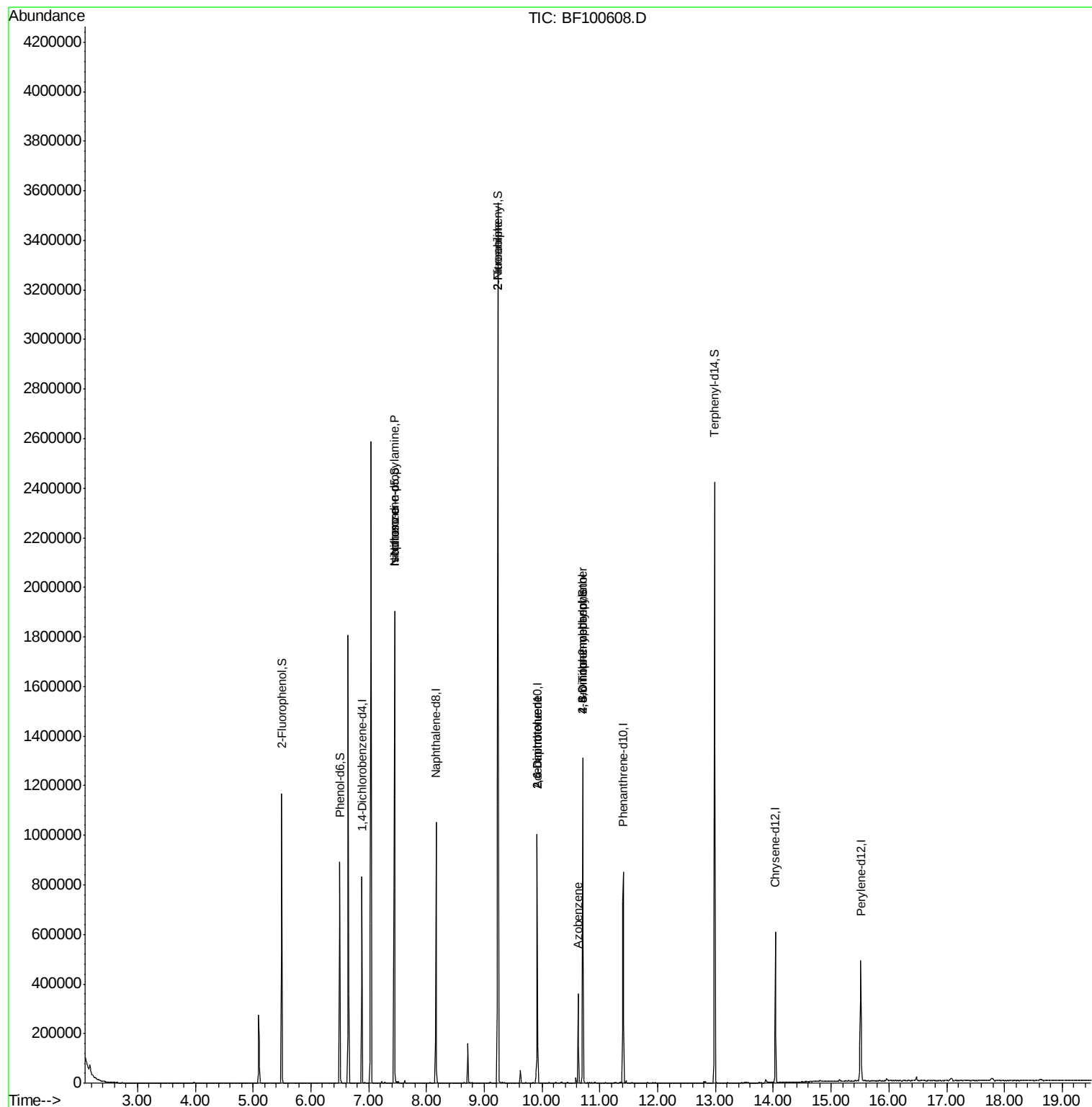
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	115483	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	442672	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	188861	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	299426	20.00	ng	0.00
75) Chrysene-d12	14.04	240	213458	20.00	ng	-0.01
86) Perylene-d12	15.51	264	237507	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	323740	44.94	ng	0.00
7) Phenol-d6	6.50	99	259788	29.24	ng	-0.02
23) Nitrobenzene-d5	7.45	82	674904	100.80	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	155313	80.70	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1196441	96.46	ng	0.00
78) Terphenyl-d14	12.99	244	773676	83.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	88457	14.36	ng	# 79
25) Isophorone	7.45	82	674467	47.94	ng	# 64
47) 2-Nitroaniline	9.24	65	1570	3.21	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	23641	8.28	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	23641	6.57	ng	# 23
62) Azobenzene	10.63	77	54145	3.98	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	120	8.64	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	9640	3.00	ng	# 1

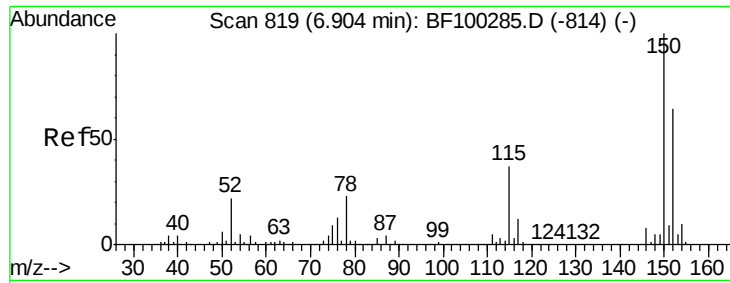
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF100608.D

Acq: 16 Nov 2017 1:13

Instrument :

BNA_F

ClientSampleId :

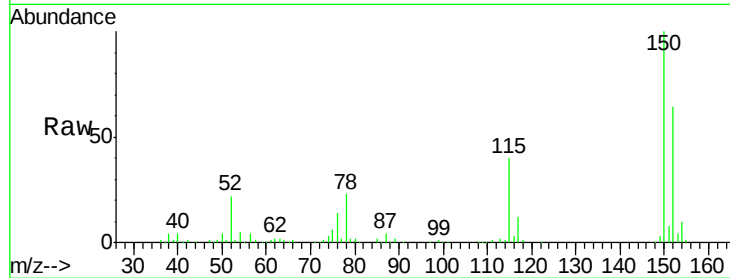
Tot Ion:152 Resp: 115483

Ion Ratio Lower Upper

152 100

150 157.1 124.6 186.8

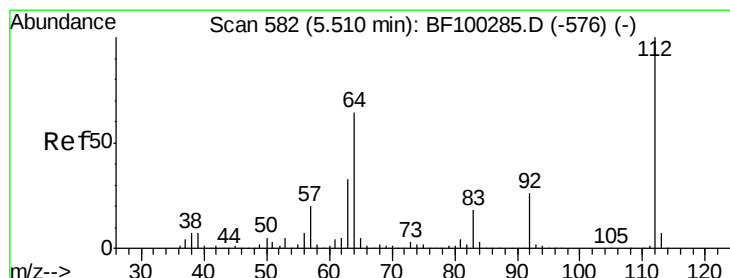
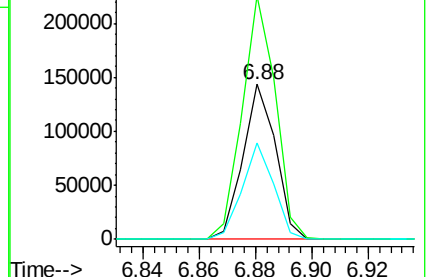
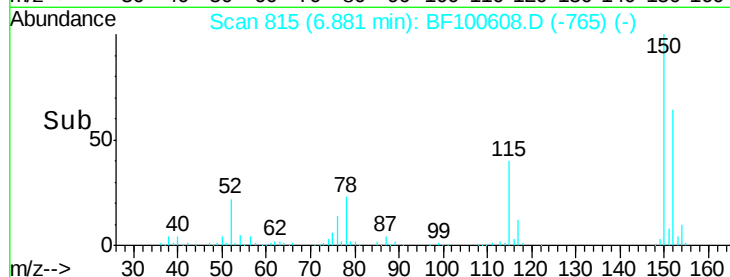
115 62.2 50.1 75.1



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



#5

2-Fluorophenol

Concen: 44.94 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.01 min

Lab File: BF100608.D

Acq: 16 Nov 2017 1:13

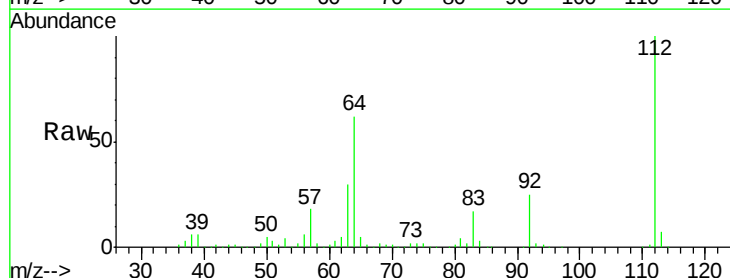
Tgt Ion:112 Resp: 323740

Ion Ratio Lower Upper

112 100

64 61.8 47.9 71.9

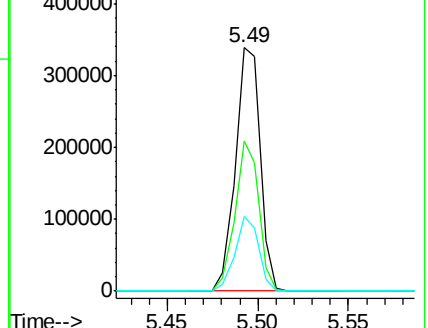
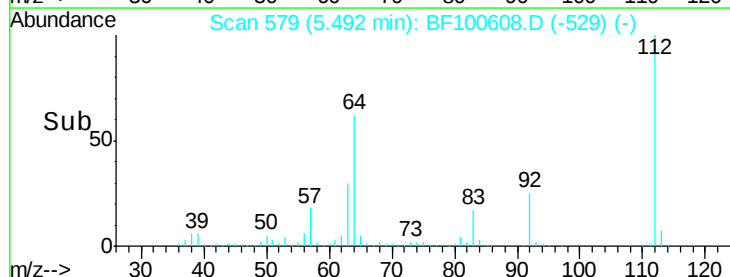
63 30.5 23.7 35.5

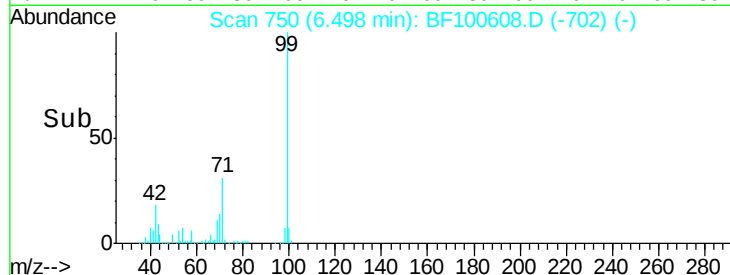
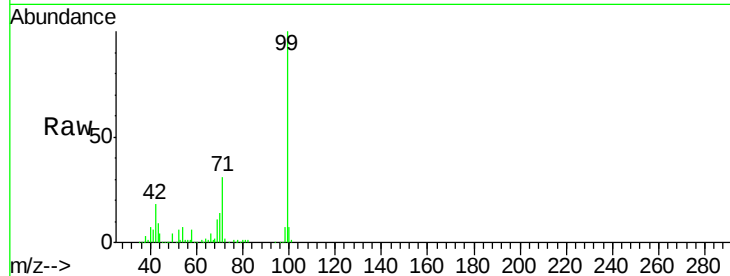


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 29.24 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100608.D

Acq: 16 Nov 2017 1:13

Instrument :

BNA_F

ClientSampleId :

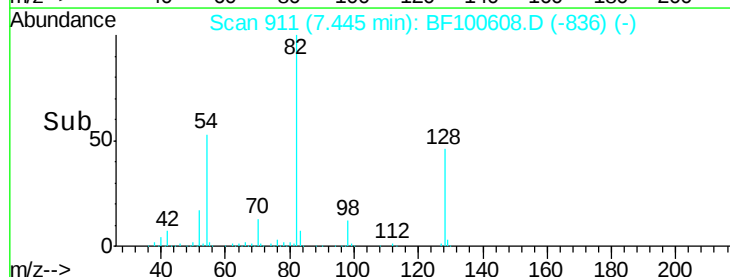
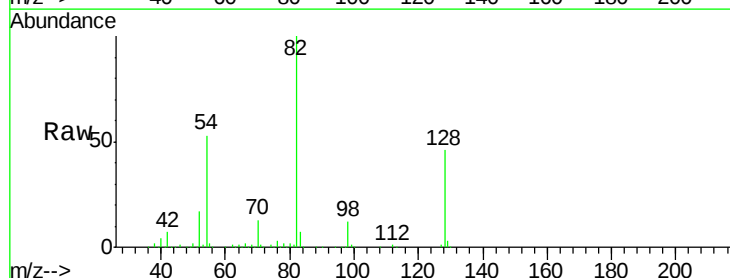
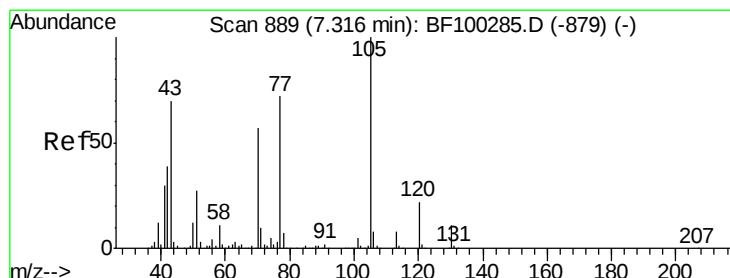
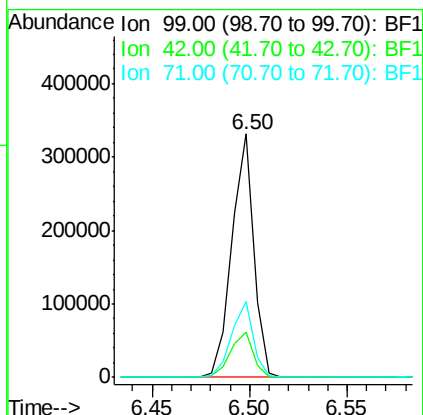
Tot Ion: 99 Resp: 259788

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 31.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.36 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF100608.D

Acq: 16 Nov 2017 1:13

Tgt Ion: 70 Resp: 88457

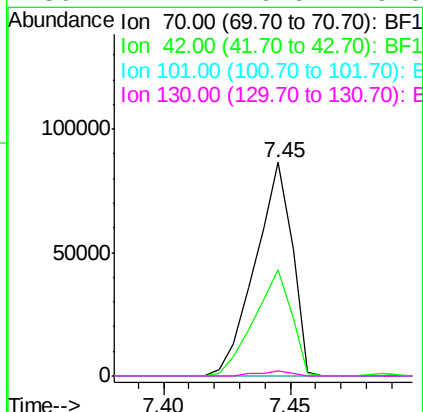
Ion Ratio Lower Upper

70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

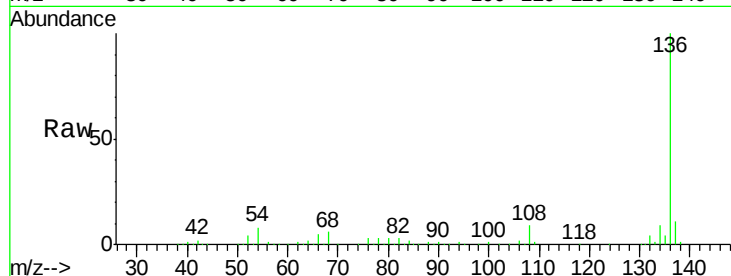




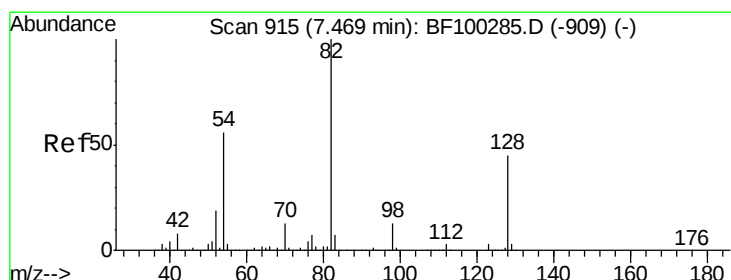
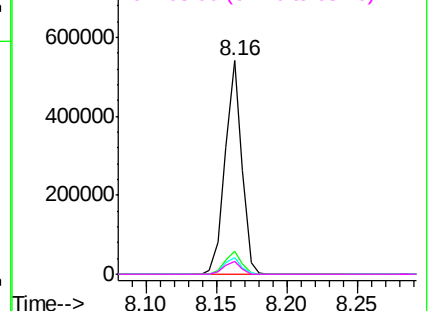
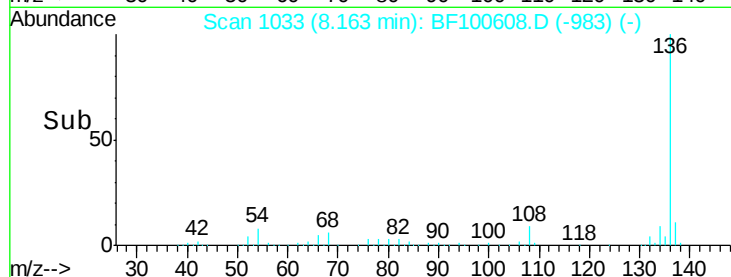
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100608.D
Acq: 16 Nov 2017 1:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	442672
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	8.0	6.6 9.8
68	5.8	5.0 7.4

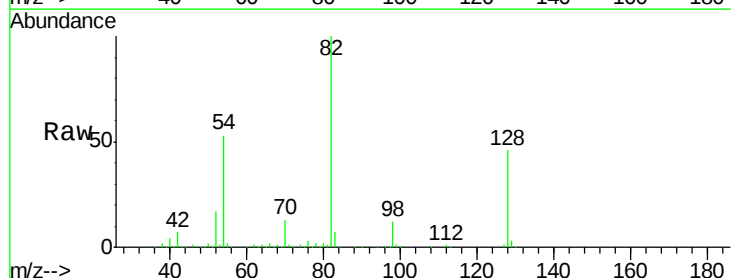


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

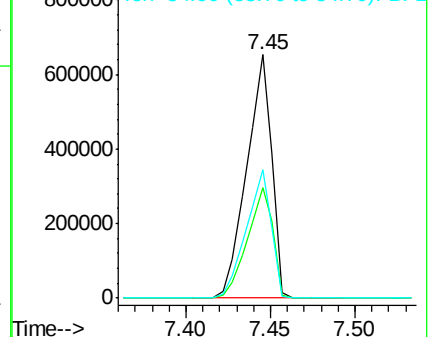
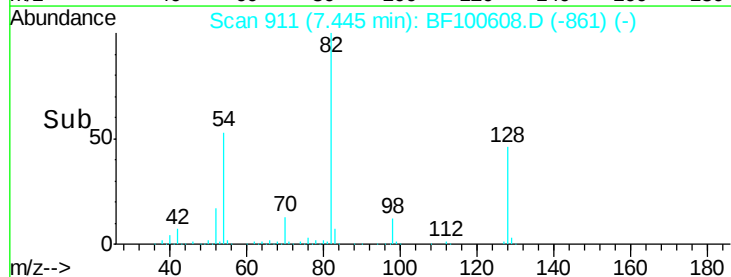


#23
Nitrobenzene-d5
Concen: 100.80 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100608.D
Acq: 16 Nov 2017 1:13

Tgt Ion: 82	Resp:	674904
Ion Ratio	Lower	Upper
82	100	
128	45.6	36.1 54.1
54	52.6	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: 47.94 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100608.D

Acq: 16 Nov 2017 1:13

Instrument :

BNA_F

ClientSampled :

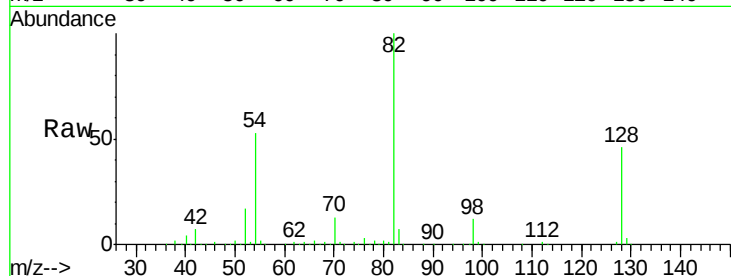
Tot Ion: 82 Resp: 674467

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

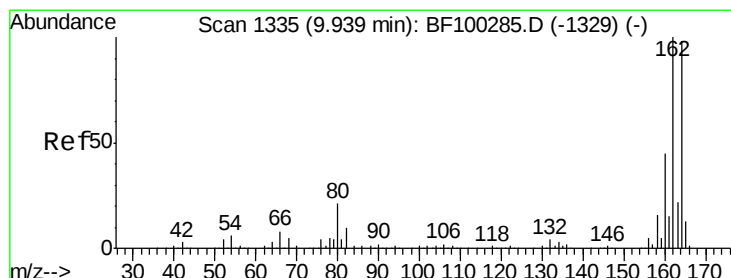
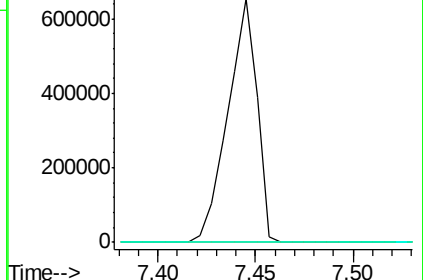
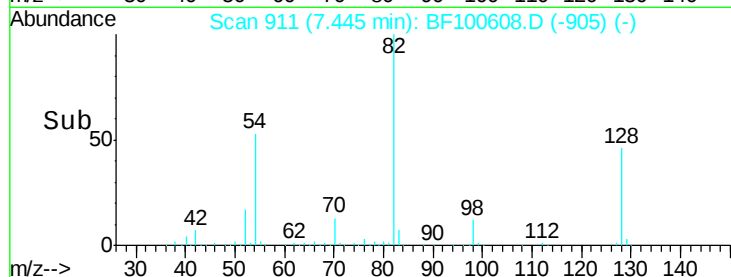
138 0.0 14.9 22.3#



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: BF100608.D

Acq: 16 Nov 2017 1:13

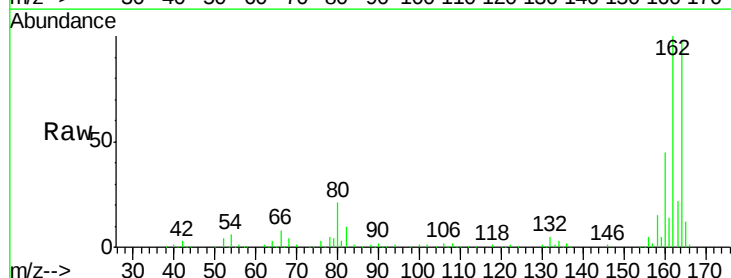
Tgt Ion: 164 Resp: 188861

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

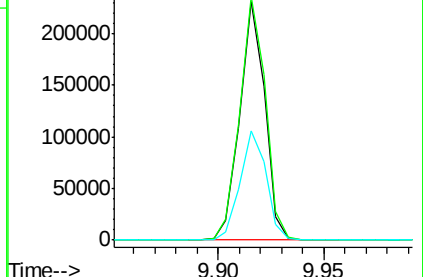
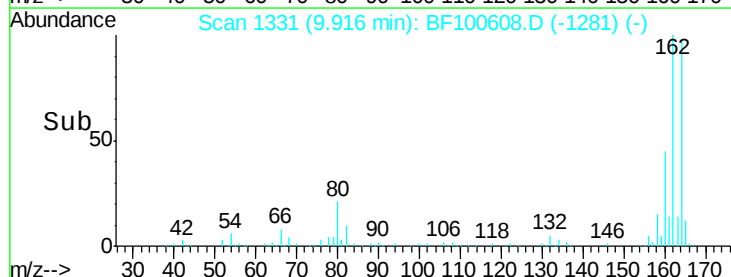
160 45.9 38.3 57.5

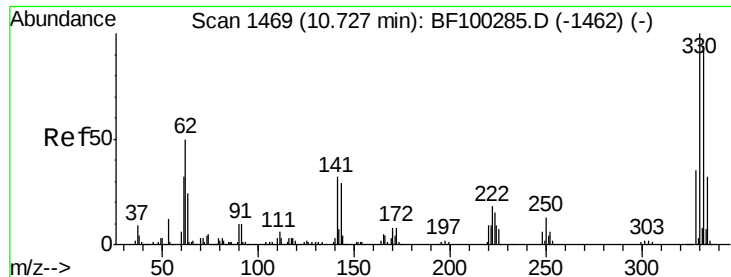


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

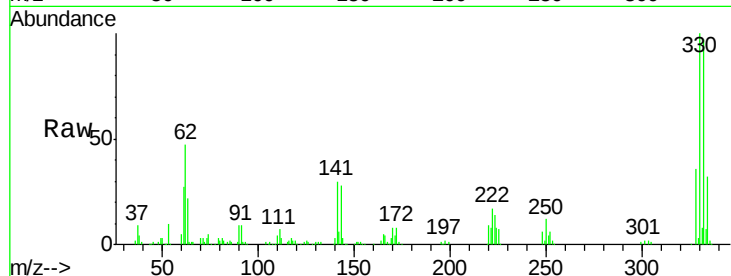




#41
 2,4,6-Tribromophenol
 Concen: 80.70 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100608.D
 Acq: 16 Nov 2017 1:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	29.8	29.9	44.9#

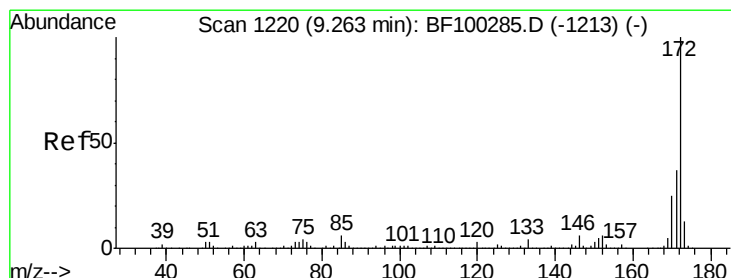
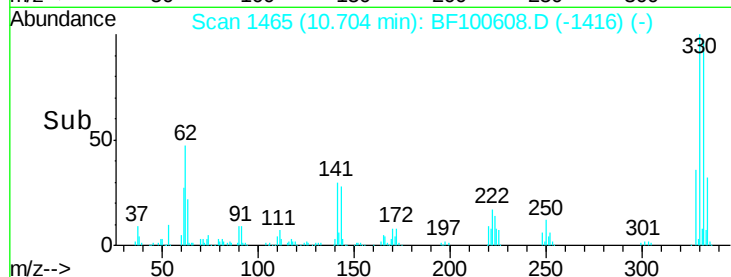
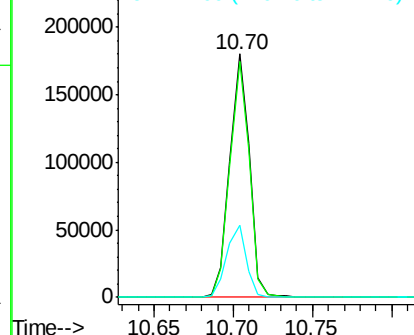


Abundance

Ion 329.80 (329.50 to 330.50): E

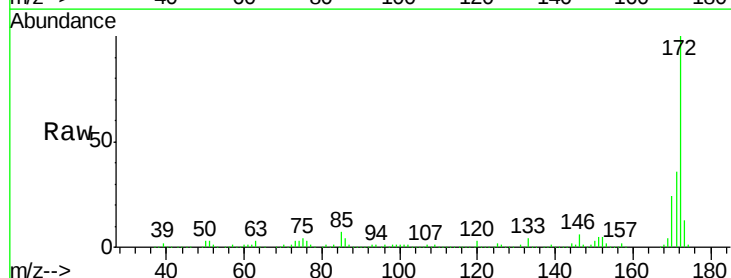
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 96.46 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100608.D
 Acq: 16 Nov 2017 1:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4

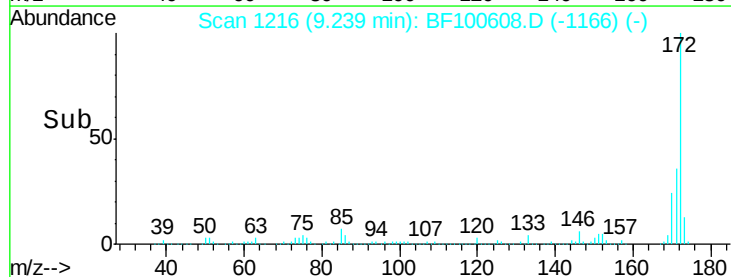
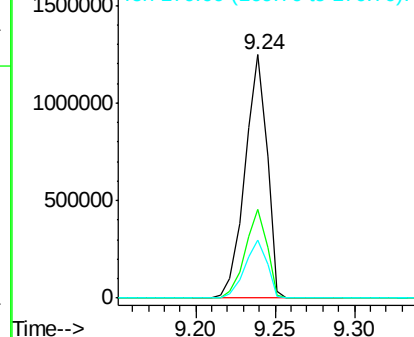


Abundance

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

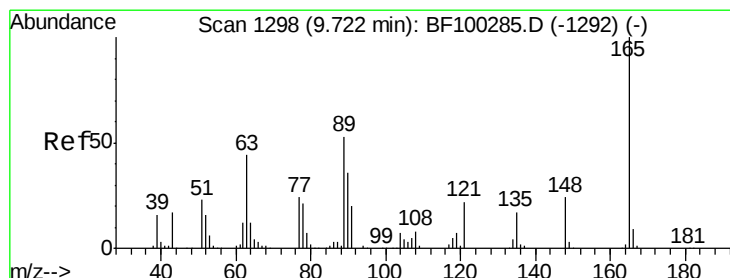
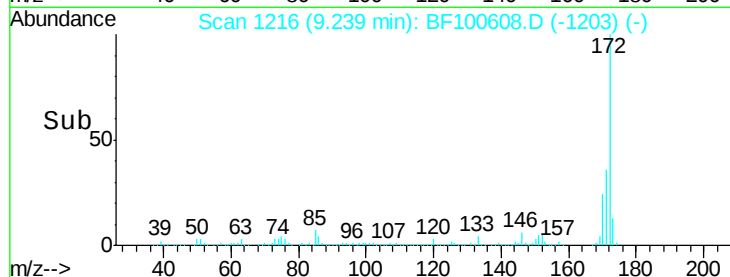
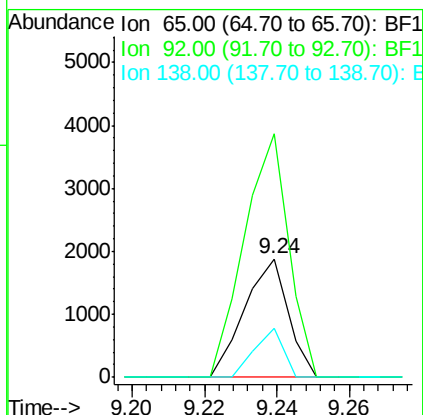
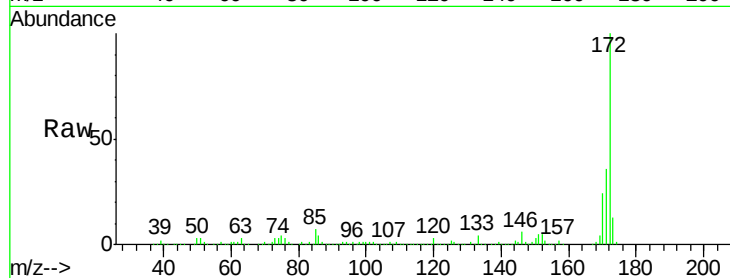




#47
2-Nitroaniline
Concen: 3.21 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.22 min
Lab File: BF100608.D
Acq: 16 Nov 2017 1:13

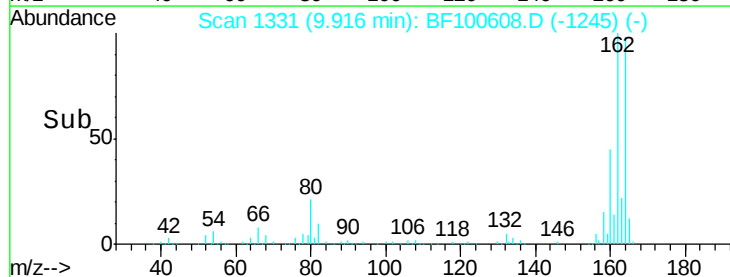
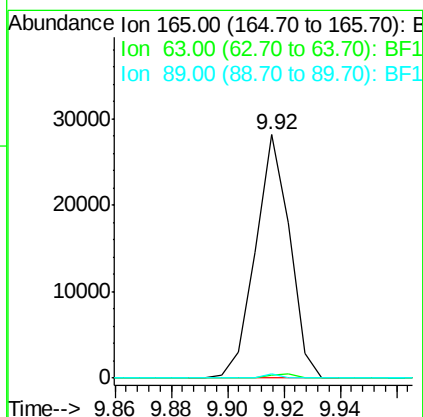
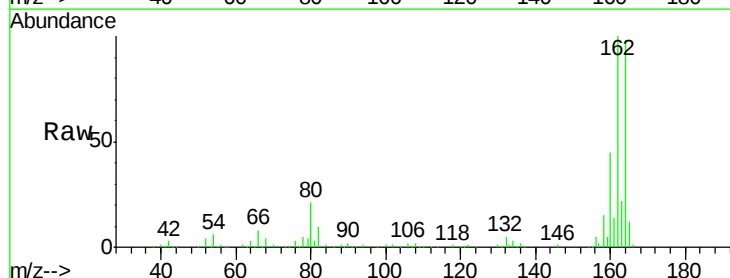
Instrument :
BNA_F
ClientSampled :

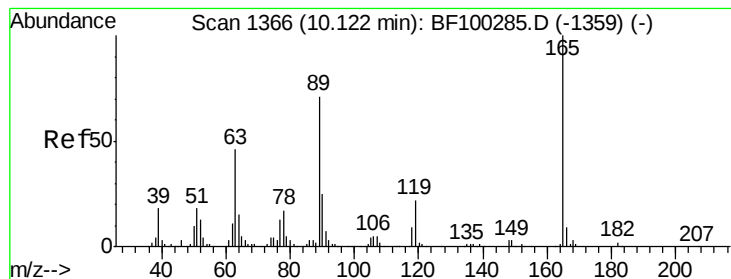
Tot Ion: 65 Resp: 1570
Ion Ratio Lower Upper
65 100
92 206.0 55.8 83.6#
138 41.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.28 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF100608.D
Acq: 16 Nov 2017 1:13

Tgt Ion:165 Resp: 23641
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.5 44.0 66.0#

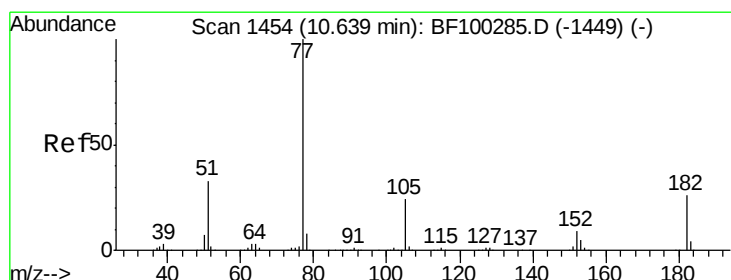
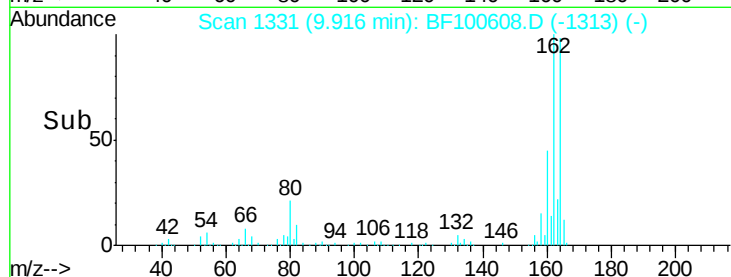
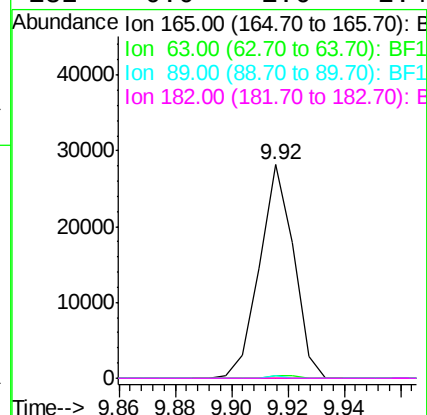
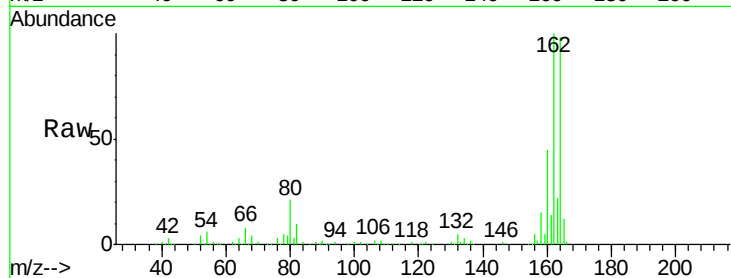




#56
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100608.D
 Acq: 16 Nov 2017 1:13

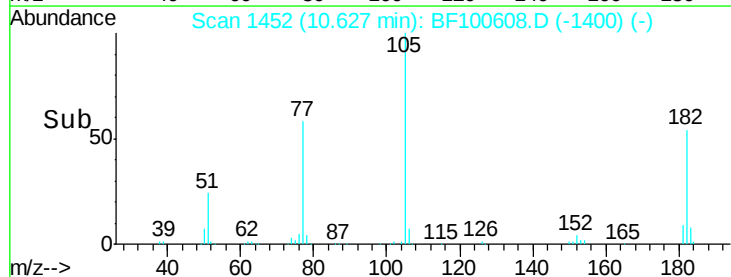
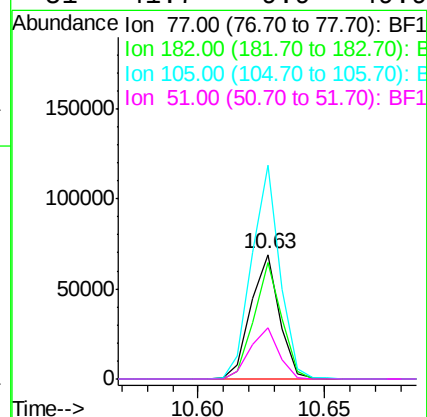
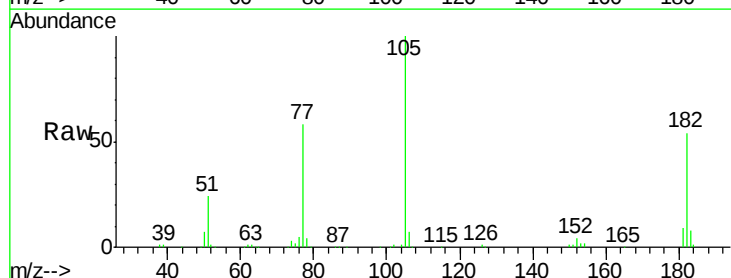
Instrument :
 BNA_F
 ClientSampleId :

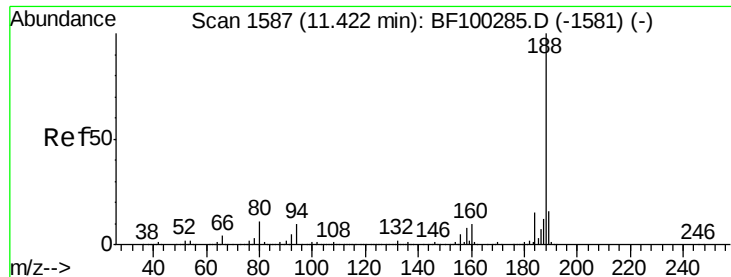
Tot Ion:	165	Resp:	23641
Ion Ratio	Lower	Upper	
165	100		
63	1.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.98 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100608.D
 Acq: 16 Nov 2017 1:13

Tgt Ion:	77	Resp:	54145
Ion Ratio	Lower	Upper	
77	100		
182	93.4	1.7	41.7#
105	171.6	3.0	43.0#
51	41.7	9.9	49.9

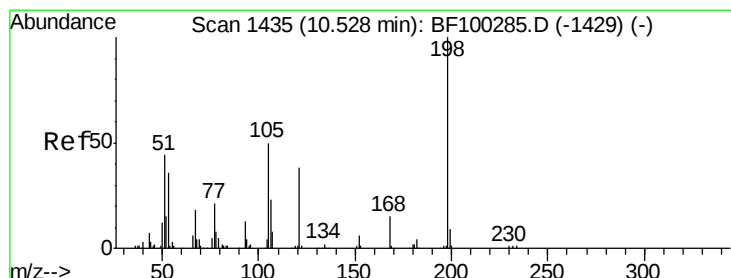
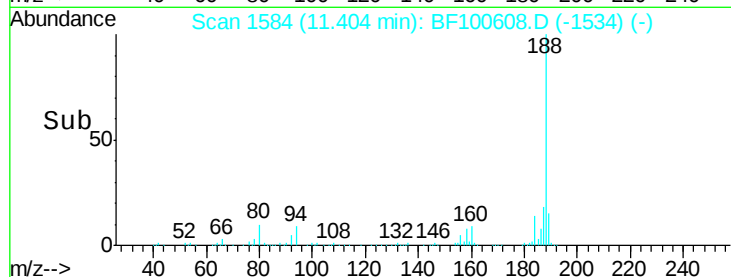
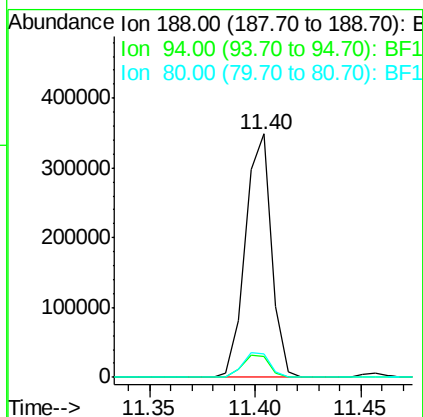
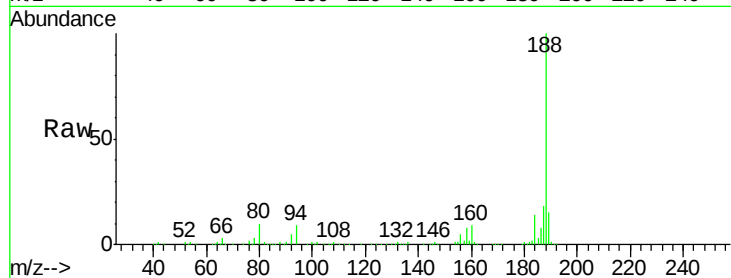




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100608.D
 Acq: 16 Nov 2017 1:13

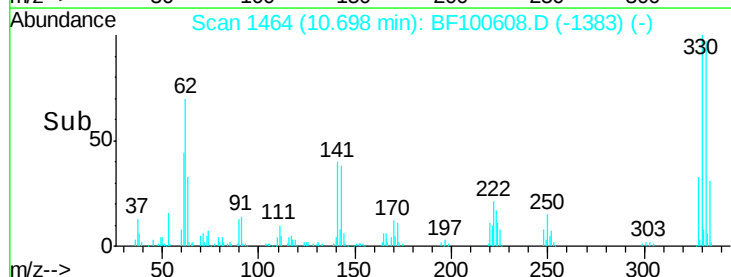
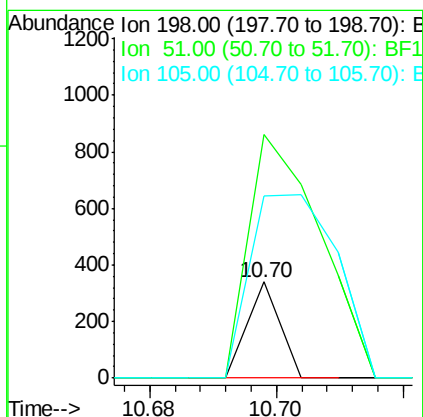
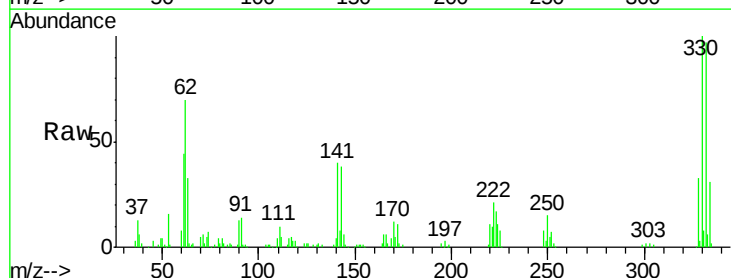
Instrument :
 BNA_F
 ClientSampleId :

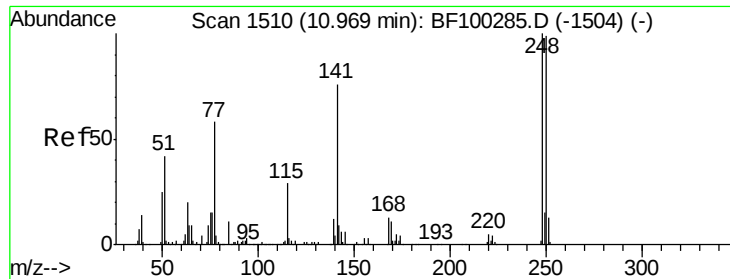
Tot Ion:188 Resp: 299426
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.5 12.7
 80 9.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.64 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF100608.D
 Acq: 16 Nov 2017 1:13

Tgt Ion:198 Resp: 120
 Ion Ratio Lower Upper
 198 100
 51 253.2 37.7 77.7#
 105 189.4 36.3 76.3#

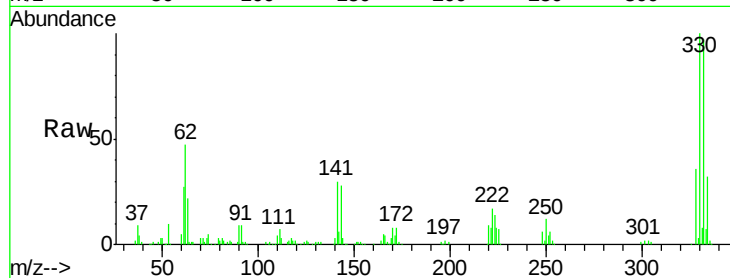




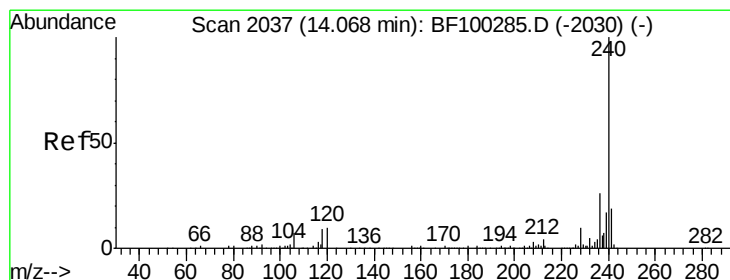
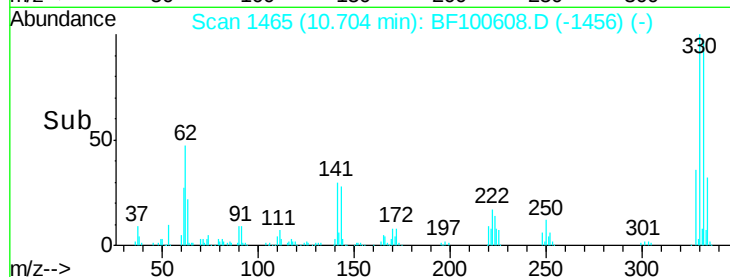
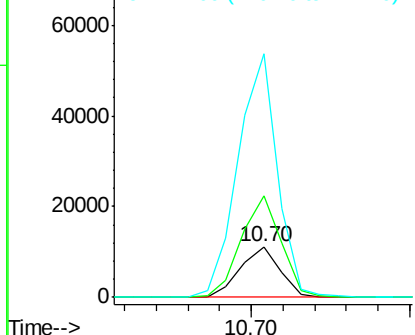
#66
4-Bromophenyl-phenylether
Concen: 3.00 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100608.D
Acq: 16 Nov 2017 1:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9640
Ion Ratio Lower Upper
248 100
250 201.1 76.9 115.3#
141 479.9 74.4 111.6#

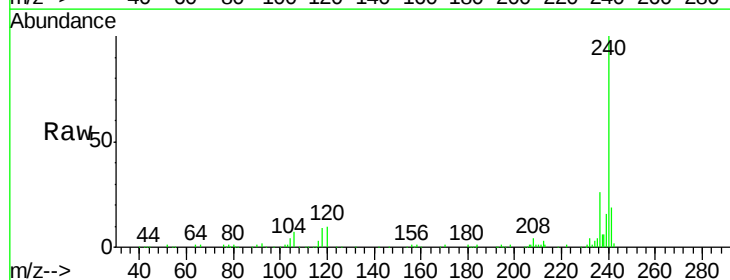


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

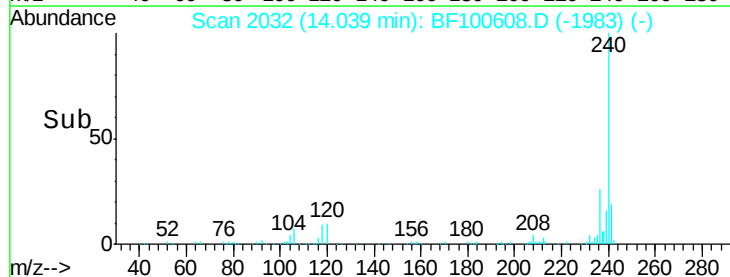
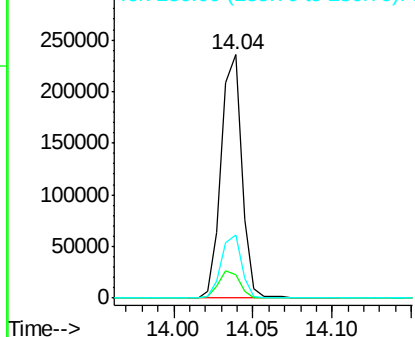


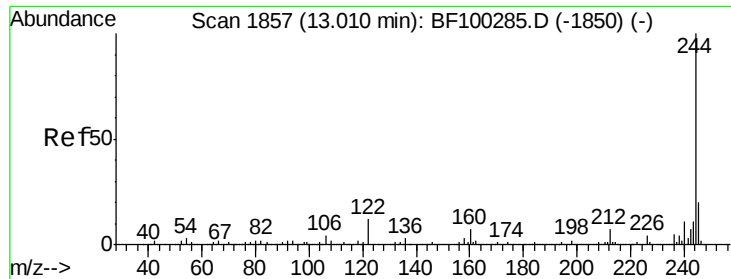
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100608.D
Acq: 16 Nov 2017 1:13

Tgt Ion:240 Resp: 213458
Ion Ratio Lower Upper
240 100
120 9.8 9.5 14.3
236 26.1 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: 83.28 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100608.D

Acq: 16 Nov 2017 1:13

Instrument :

BNA_F

ClientSampled :

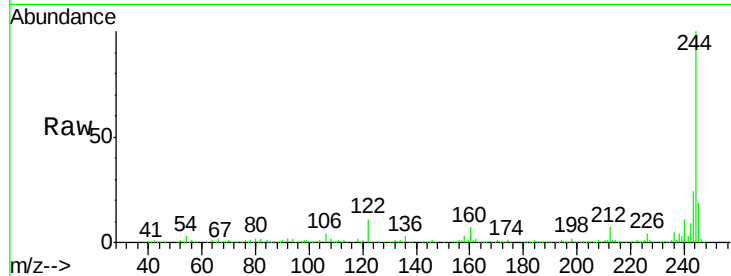
Tot Ion:244 Resp: 773676

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

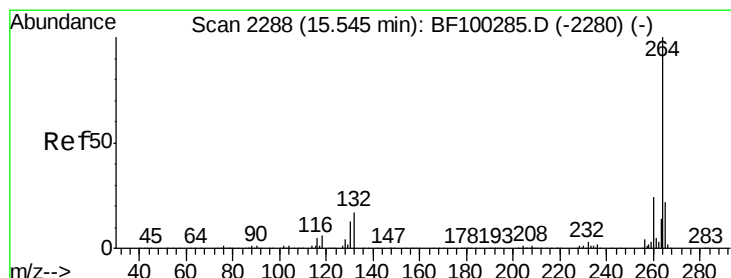
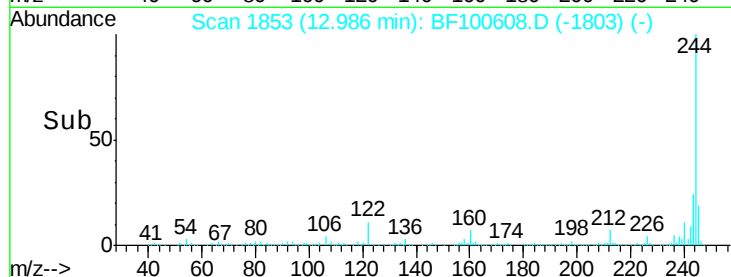
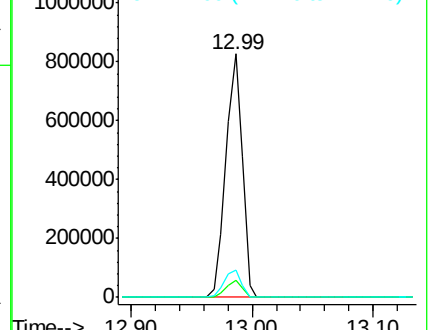
122 11.3 11.0 16.4



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: BF100608.D

Acq: 16 Nov 2017 1:13

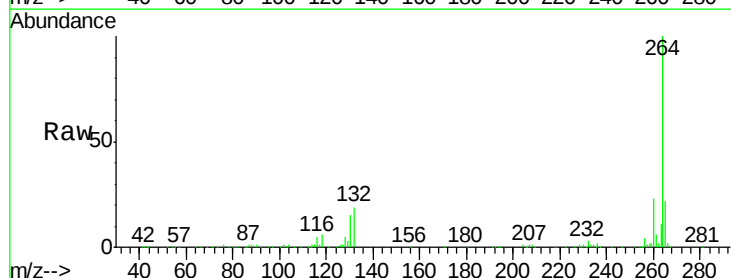
Tgt Ion:264 Resp: 237507

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.6 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

