

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103732.D
 Acq On : 17 Mar 2018 9:52
 Operator : JU/SJ
 Sample : J1929-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 07:02:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152032	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	577990	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	230810	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	328961	20.00	ng	0.00
75) Chrysene-d12	14.15	240	278125	20.00	ng	0.00
86) Perylene-d12	15.69	264	227089	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1239766	124.03	ng	0.02
7) Phenol-d6	6.59	99	1365063	111.63	ng	0.00
23) Nitrobenzene-d5	7.53	82	1032336	124.55	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	286466	144.35	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1577445	109.02	ng	0.00
78) Terphenyl-d14	13.09	244	1155490	96.43	ng	0.00

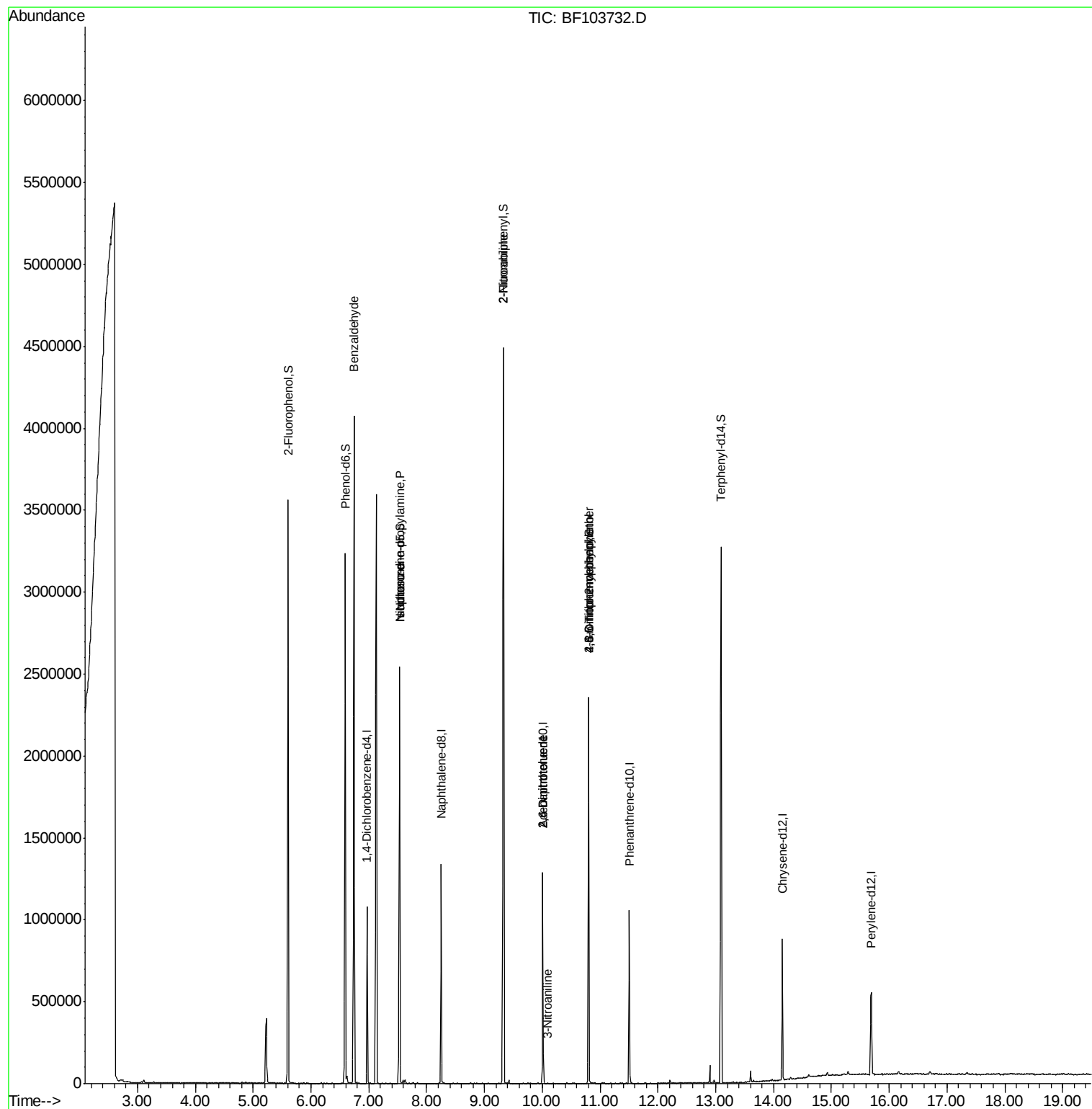
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	28418	3.537	ng	83
19) n-Nitroso-di-n-propylamine	7.53	70	137234	17.511	ng	# 74
25) Isophorone	7.53	82	1032327	53.804	ng	# 64
47) 2-Nitroaniline	9.33	65	2577	7.367	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	30061	12.076	ng	# 25
52) 3-Nitroaniline	10.10	138	113	3.840	ng	# 2
56) 2,4-Dinitrotoluene	10.01	165	30061	12.277	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	726	8.778	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	17532	5.191	ng	# 1

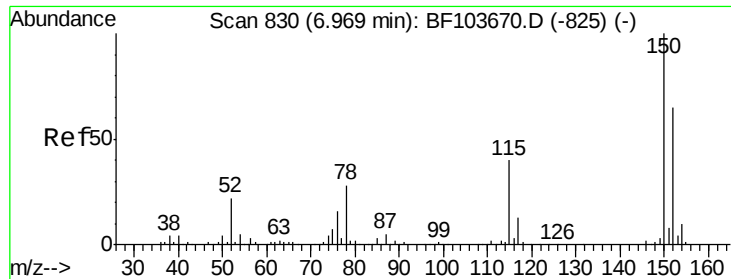
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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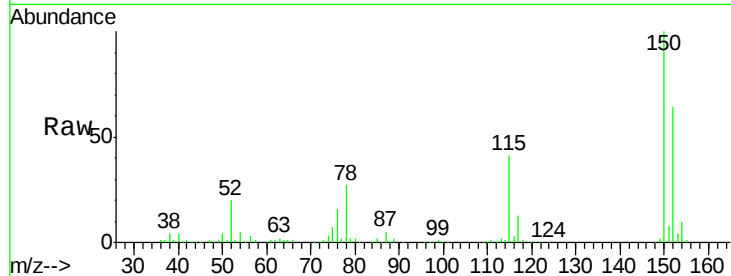


#1

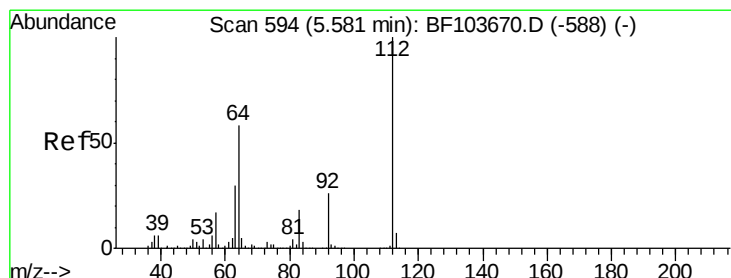
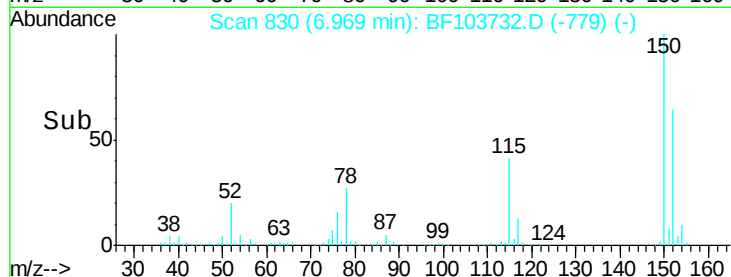
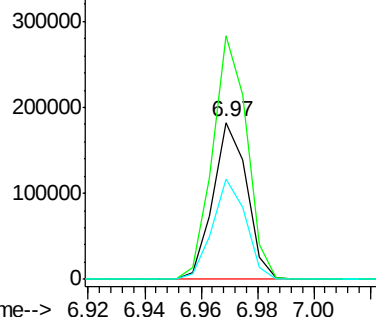
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	63.7	50.1	75.1



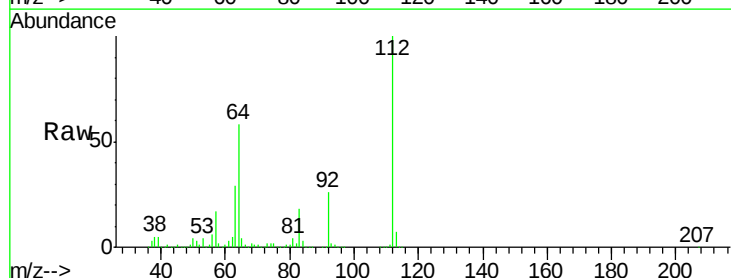
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



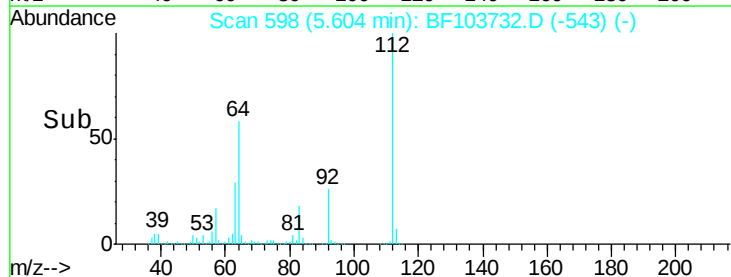
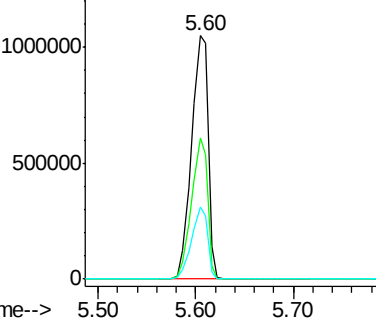
#5

2-Fluorophenol
Concen: 124.032 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	29.4	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: 111.626 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

Instrument :

BNA_F

ClientSampleId :

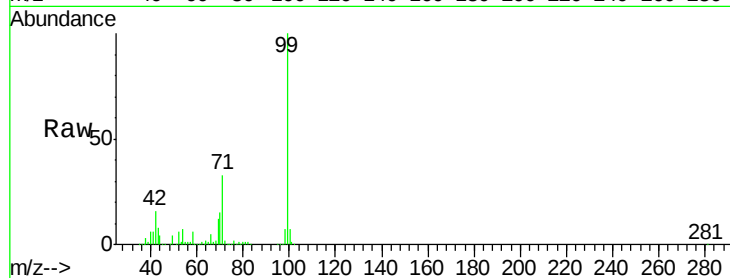
Tot Ion: 99 Resp: 1365063

Ion Ratio Lower Upper

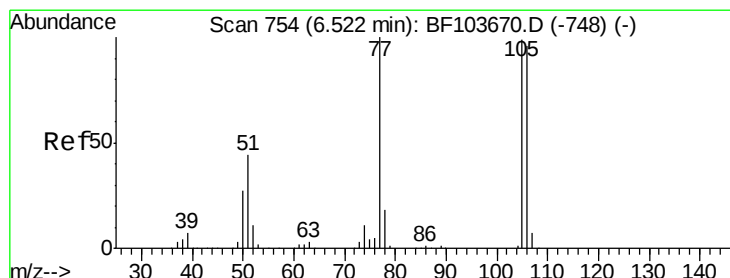
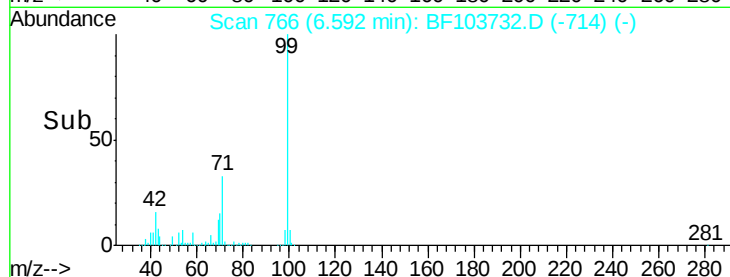
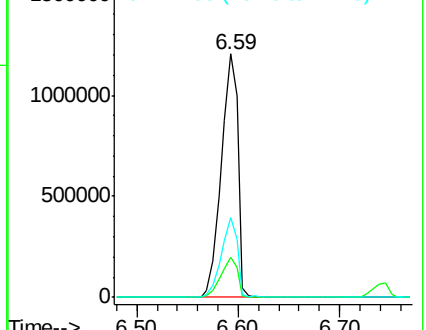
99 100

42 16.5 14.5 21.7

71 32.8 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: 3.537 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

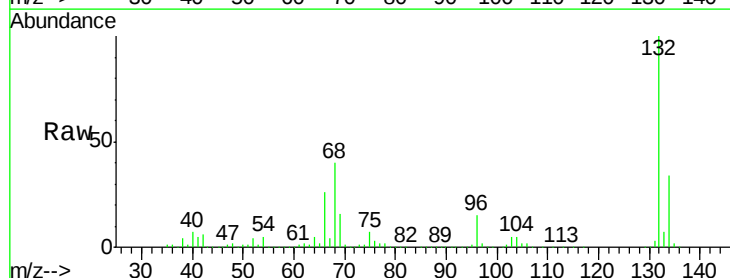
Tgt Ion: 77 Resp: 28418

Ion Ratio Lower Upper

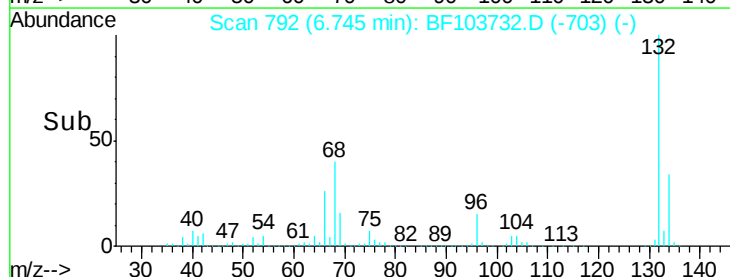
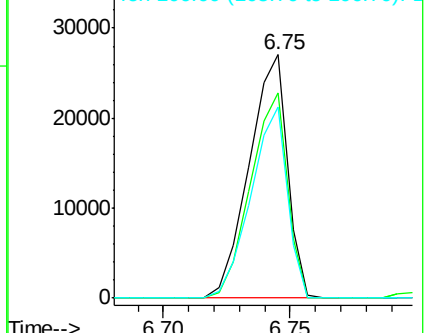
77 100

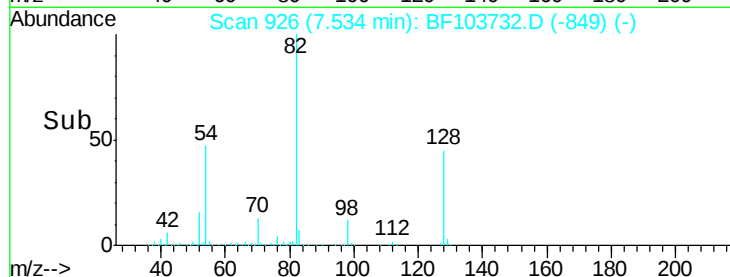
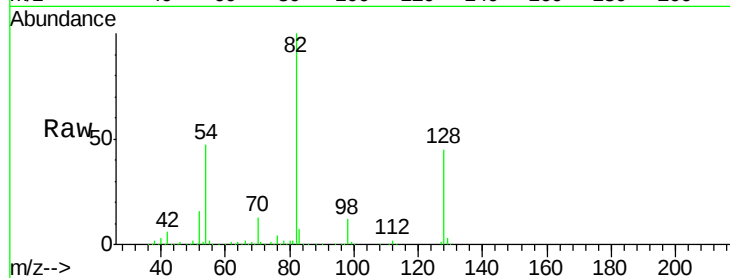
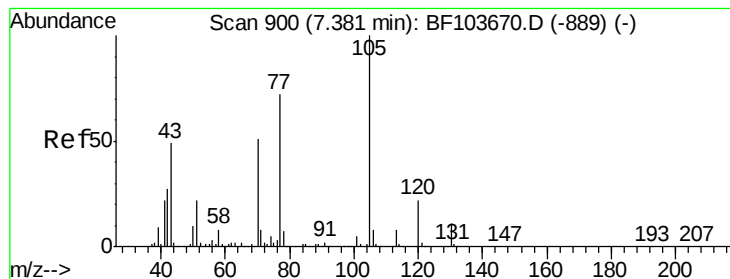
105 84.3 81.1 121.1

106 78.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 17.511 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 137234

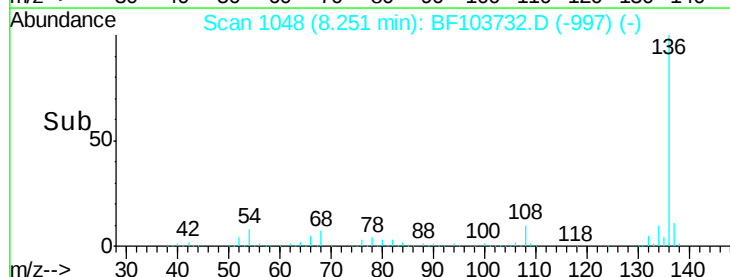
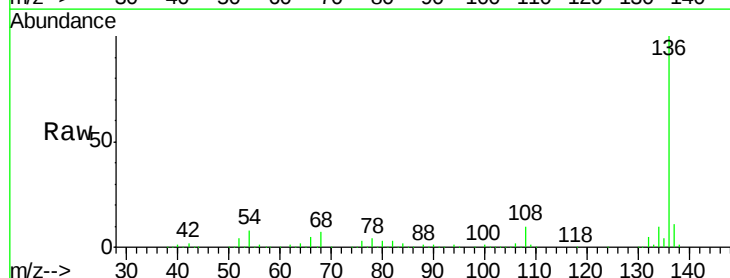
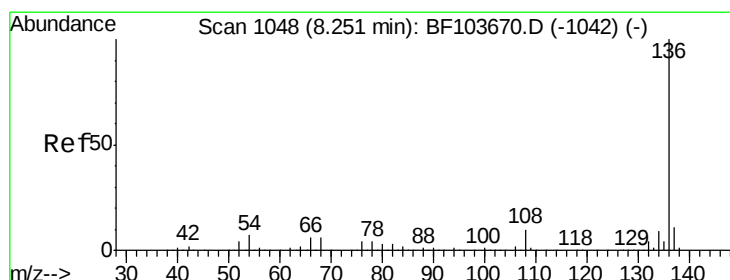
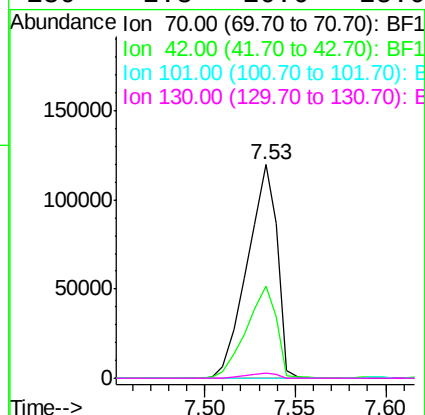
Ion Ratio Lower Upper

70 100

42 43.2 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: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

Tgt Ion:136 Resp: 577990

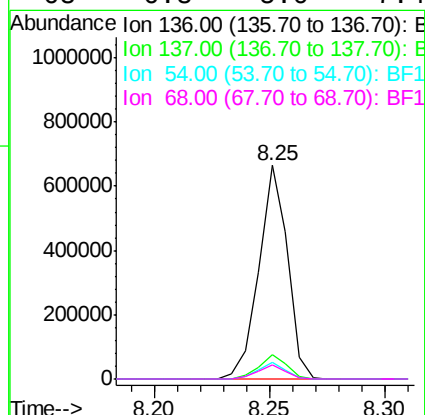
Ion Ratio Lower Upper

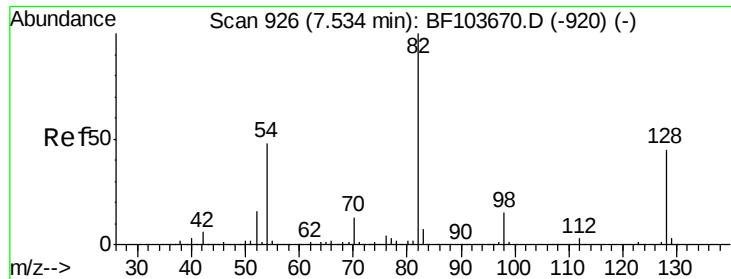
136 100

137 11.4 8.9 13.3

54 7.7 6.6 9.8

68 6.8 5.0 7.4

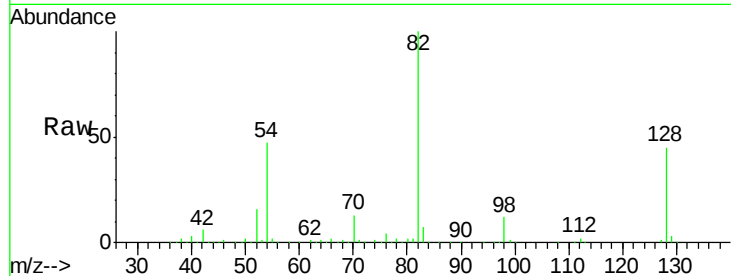




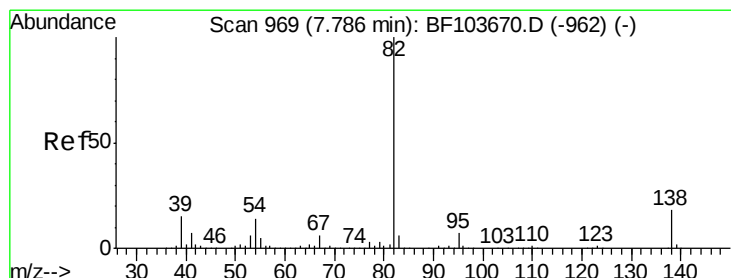
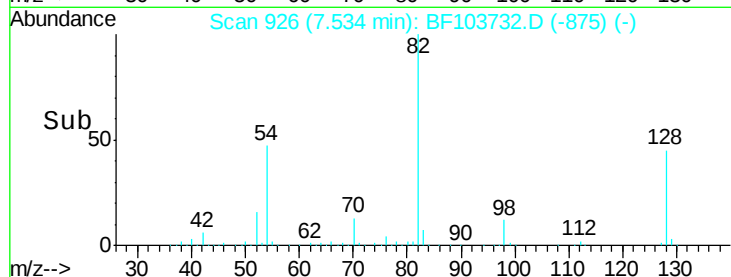
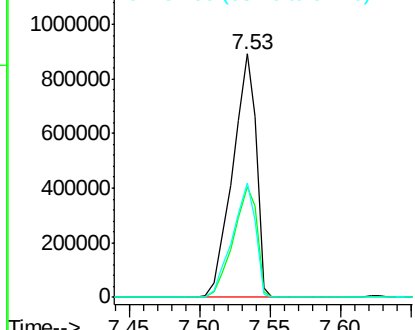
#23
 Nitrobenzene-d5
 Concen: 124.554 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF103732.D
 Acq: 17 Mar 2018 9:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 1032336
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.1 54.1
 54 46.9 41.4 62.2

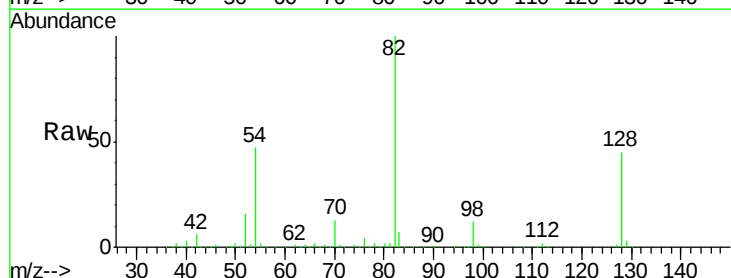


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

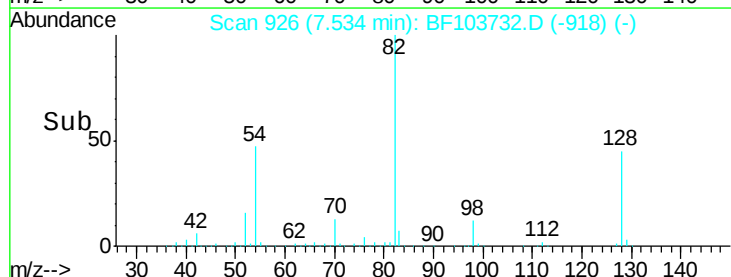
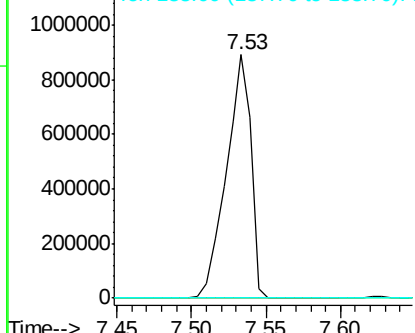


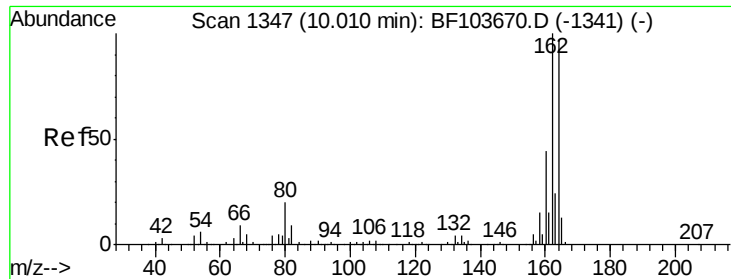
#25
 Isophorone
 Concen: 53.804 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF103732.D
 Acq: 17 Mar 2018 9:52

Tgt Ion: 82 Resp: 1032327
 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

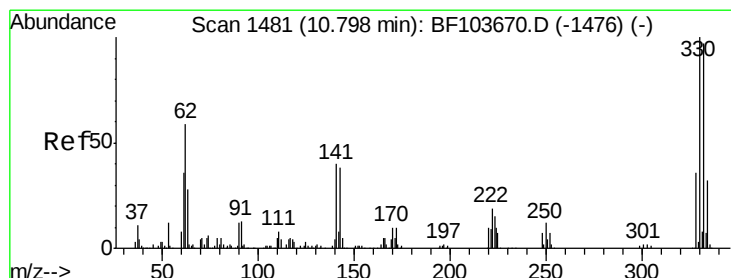
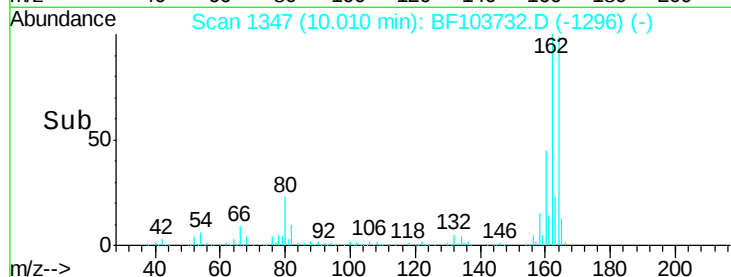
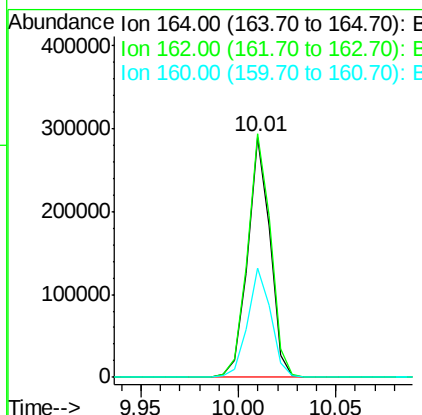
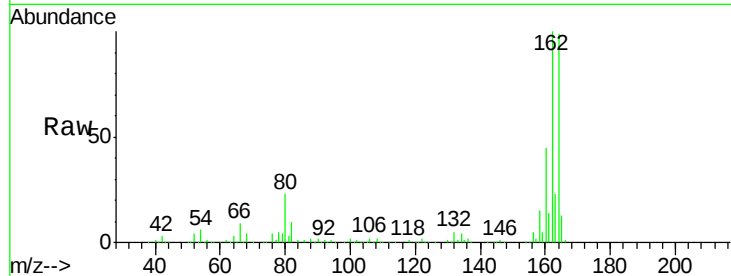




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

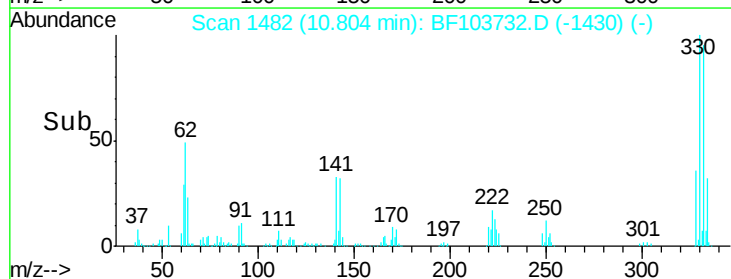
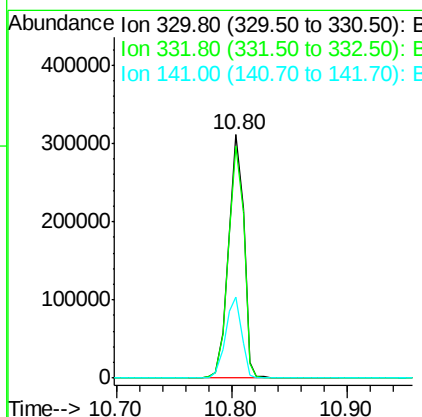
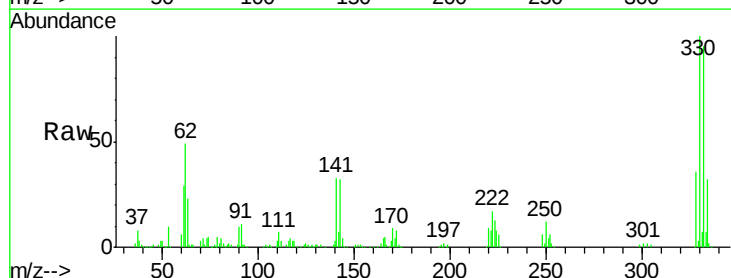
Instrument :
BNA_F
ClientSampleId :

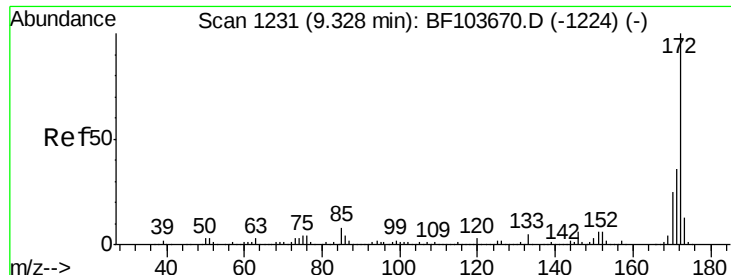
Tot Ion:164 Resp: 230810
Ion Ratio Lower Upper
164 100
162 101.3 86.1 129.1
160 45.6 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 144.350 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Tgt Ion:330 Resp: 286466
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 34.9 29.9 44.9

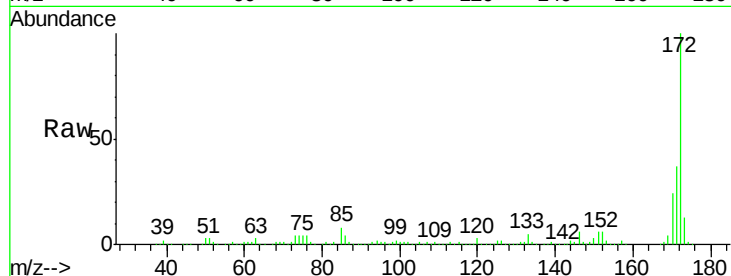




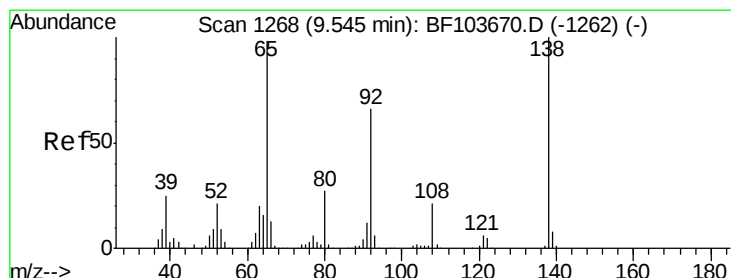
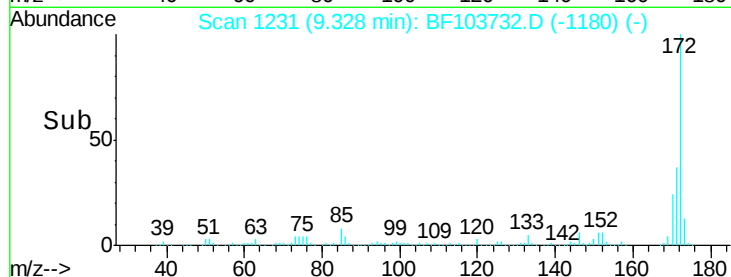
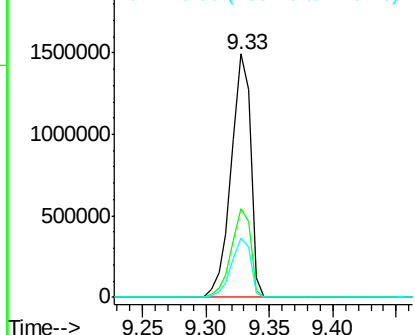
#44
2-Fluorobiphenyl
Concen: 109.019 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1577445
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.2 19.6 29.4

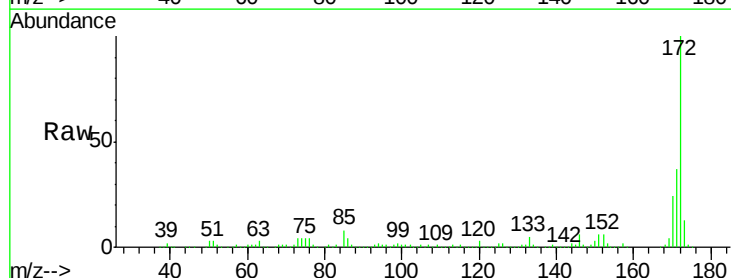


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

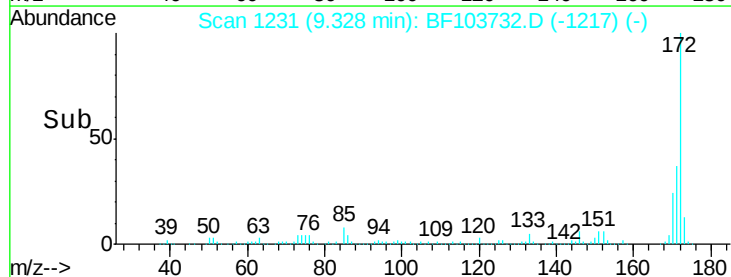
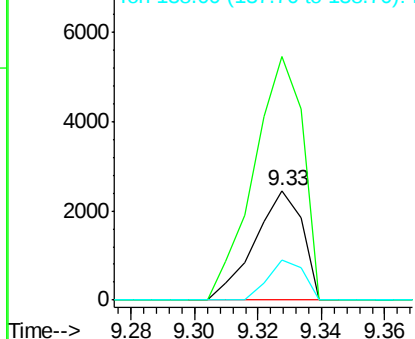


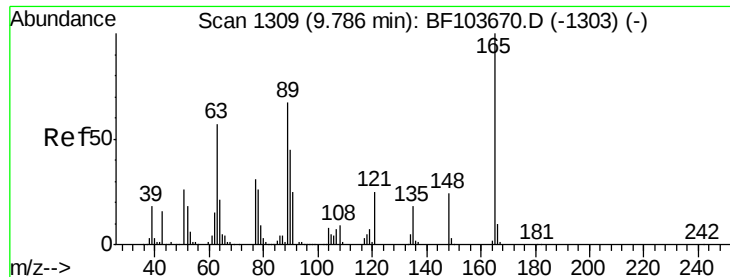
#47
2-Nitroaniline
Concen: 7.367 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.22 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Tgt Ion: 65 Resp: 2577
Ion Ratio Lower Upper
65 100
92 222.4 55.8 83.6#
138 36.7 91.2 136.8#



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

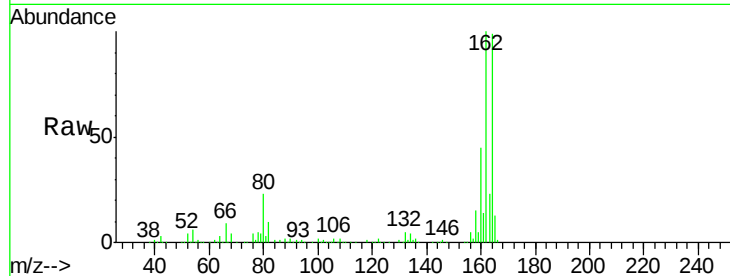




#50
 2,6-Dinitrotoluene
 Concen: 12.076 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103732.D
 Acq: 17 Mar 2018 9:52

Instrument :
 BNA_F
 ClientSampleId :

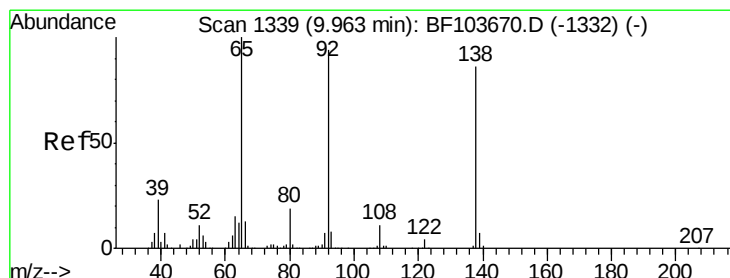
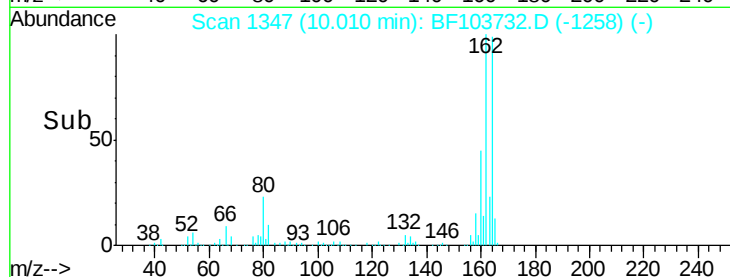
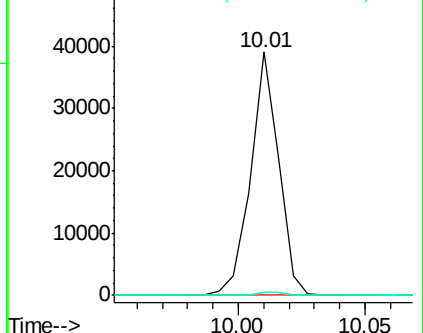
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

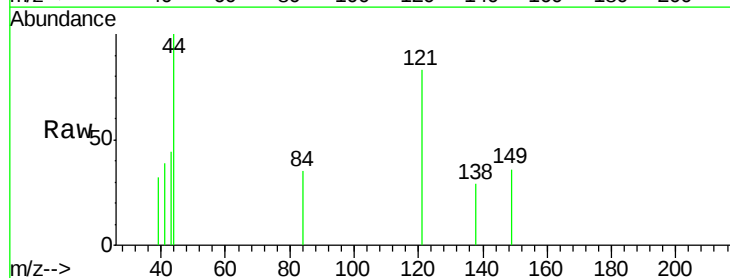
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 3-Nitroaniline
 Concen: 3.840 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. 0.14 min
 Lab File: BF103732.D
 Acq: 17 Mar 2018 9:52

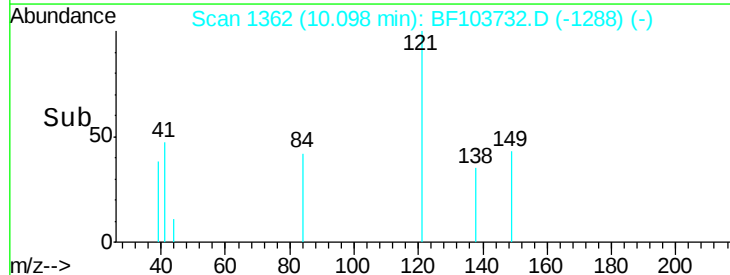
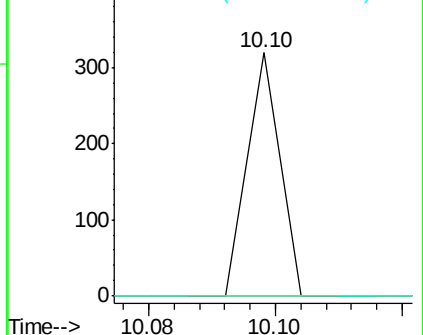
Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	9.4	14.0#
92	0.0	89.4	134.2#

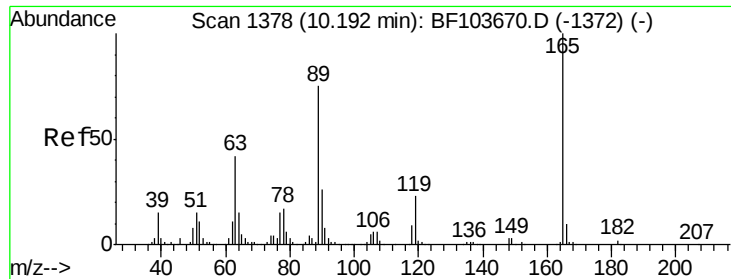


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

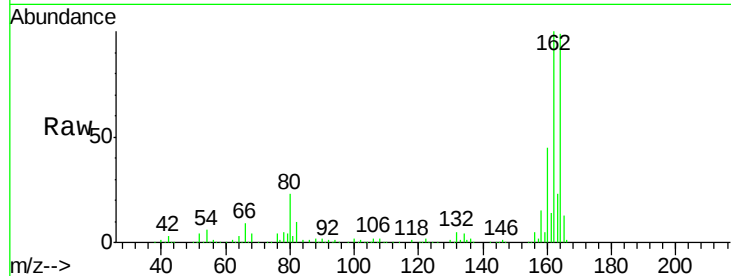




#56
 2,4-Dinitrotoluene
 Concen: 12.277 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103732.D
 Acq: 17 Mar 2018 9:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	30061
Ion Ratio	Lower	Upper	
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

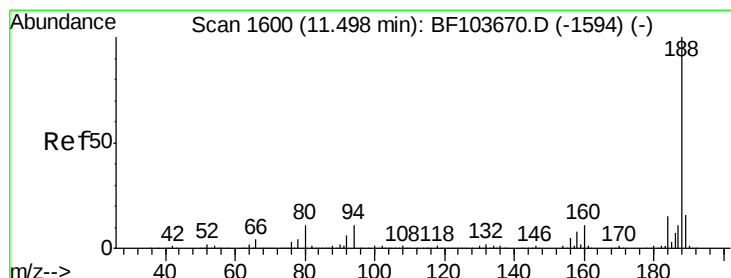
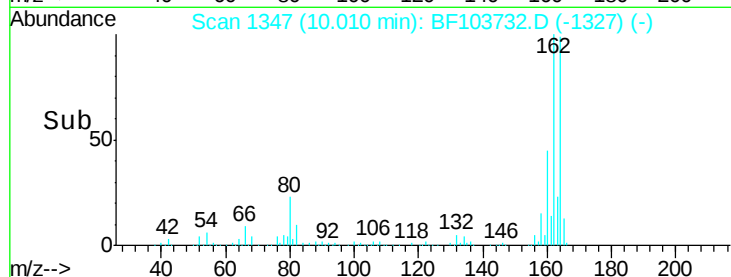
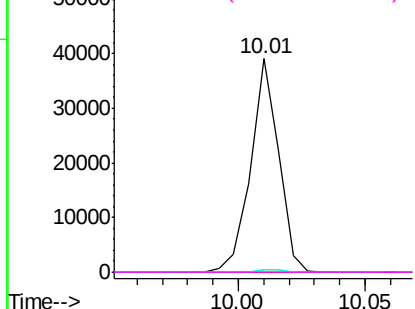


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

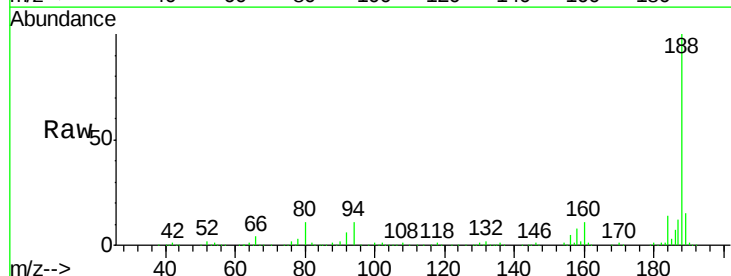
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103732.D
 Acq: 17 Mar 2018 9:52

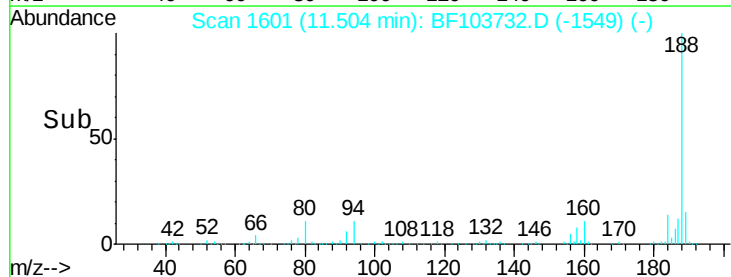
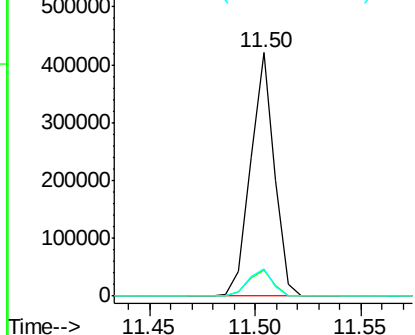
Tgt Ion:	188	Resp:	328961
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.5	12.7
80	11.2	9.2	13.8

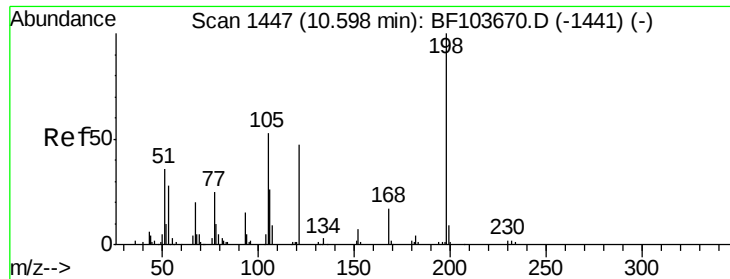


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

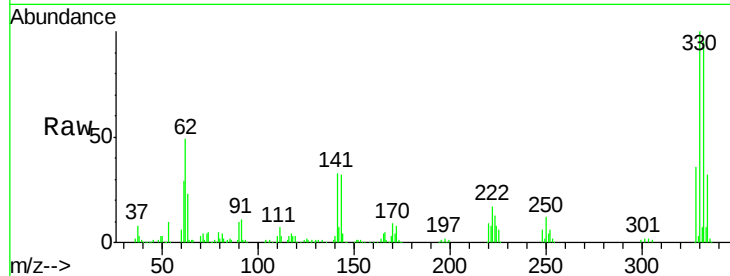




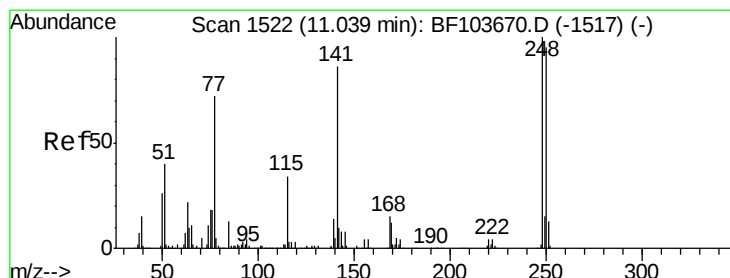
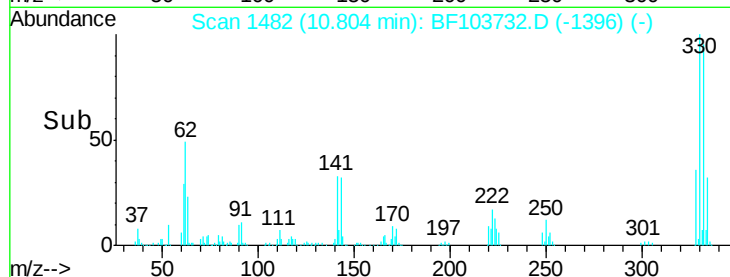
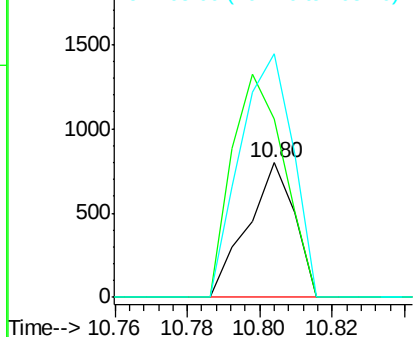
#64
4,6-Dinitro-2-methylphenol
Concen: 8.778 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.21 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 726
Ion Ratio Lower Upper
198 100
51 133.1 37.7 77.7#
105 181.2 36.3 76.3#

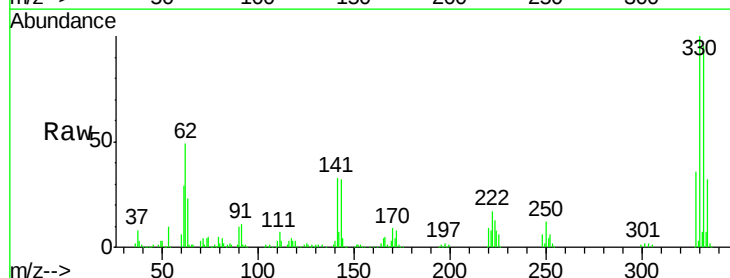


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

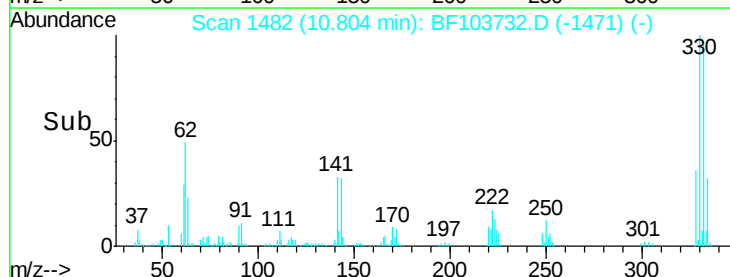
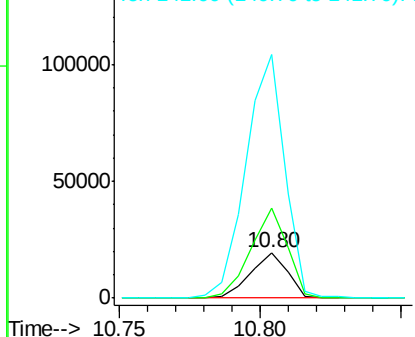


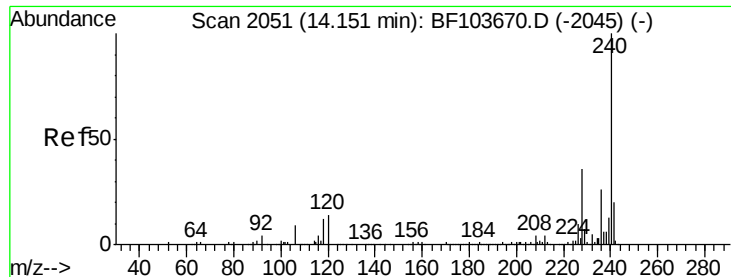
#66
4-Bromophenyl-phenylether
Concen: 5.191 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Tgt Ion:248 Resp: 17532
Ion Ratio Lower Upper
248 100
250 197.5 76.9 115.3#
141 537.7 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: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

Instrument :

BNA_F

ClientSampleId :

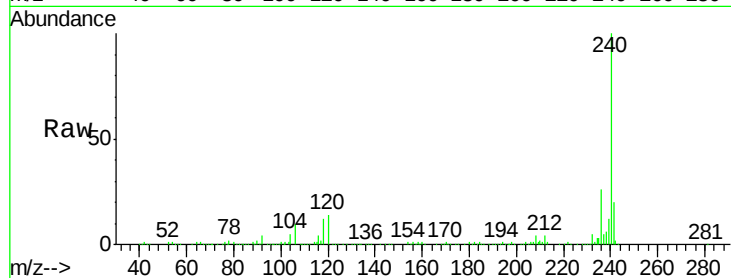
Tot Ion:240 Resp: 278125

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

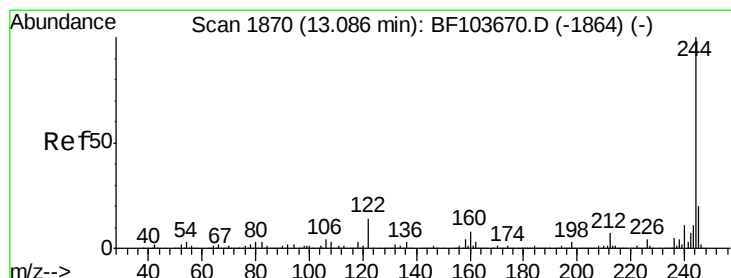
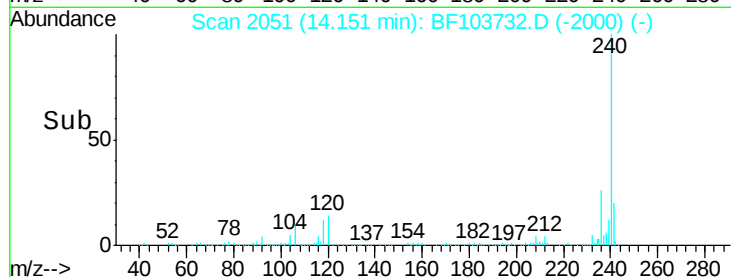
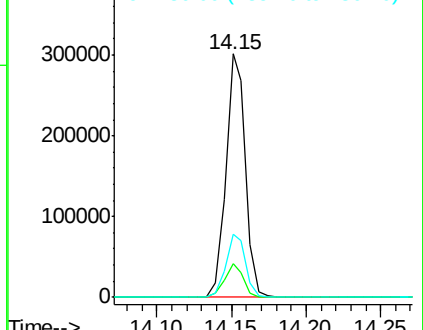
236 25.7 20.7 31.1



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: 96.434 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

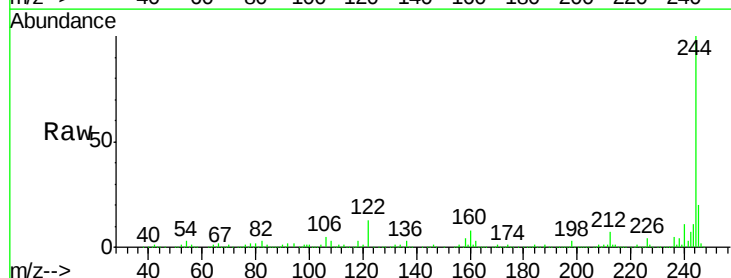
Tgt Ion:244 Resp: 1155490

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

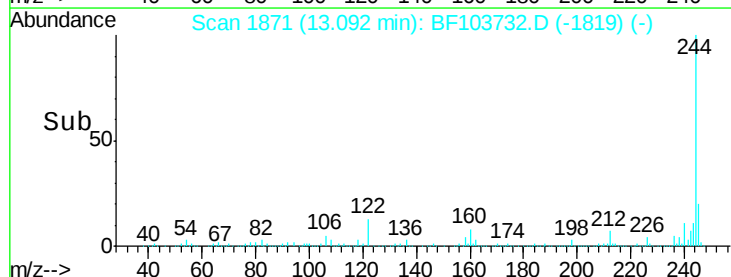
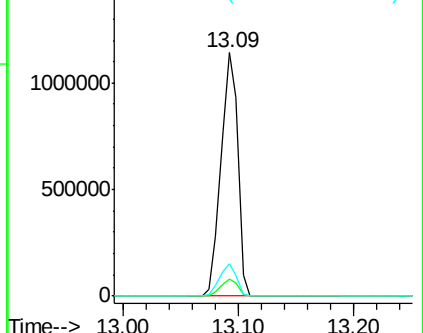
122 13.4 11.0 16.4

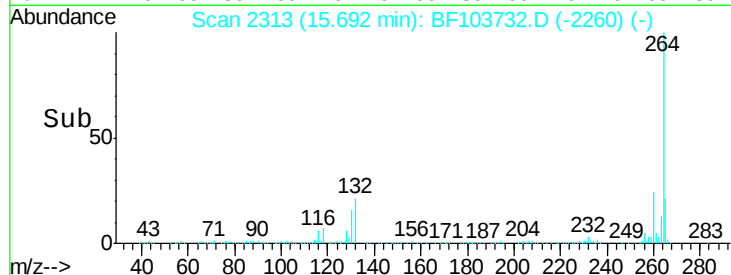
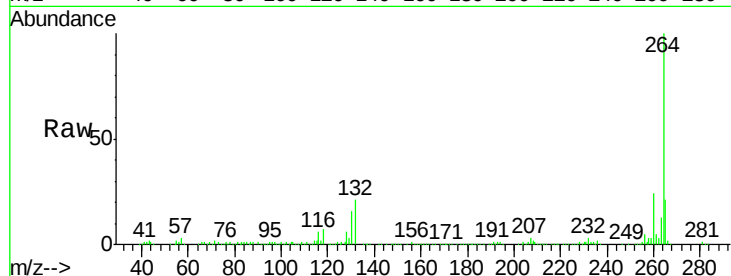
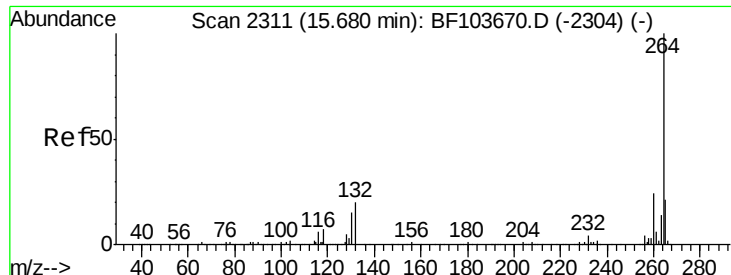


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103732.D
Acq: 17 Mar 2018 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	227089
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	20.9	17.5	26.3

