

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103761.D
 Acq On : 19 Mar 2018 17:49
 Operator : JU/SJ
 Sample : PB107477BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 00:55:33 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	160128	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	658820	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	312266	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	589570	20.00	ng	0.00
75) Chrysene-d12	14.16	240	518805	20.00	ng	0.00
86) Perylene-d12	15.69	264	426298	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1053667	100.08	ng	0.02
7) Phenol-d6	6.59	99	1262302	98.00	ng	0.00
23) Nitrobenzene-d5	7.53	82	794537	84.10	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	319645	119.05	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1382529	70.62	ng	0.00
78) Terphenyl-d14	13.09	244	1499936	67.11	ng	0.00

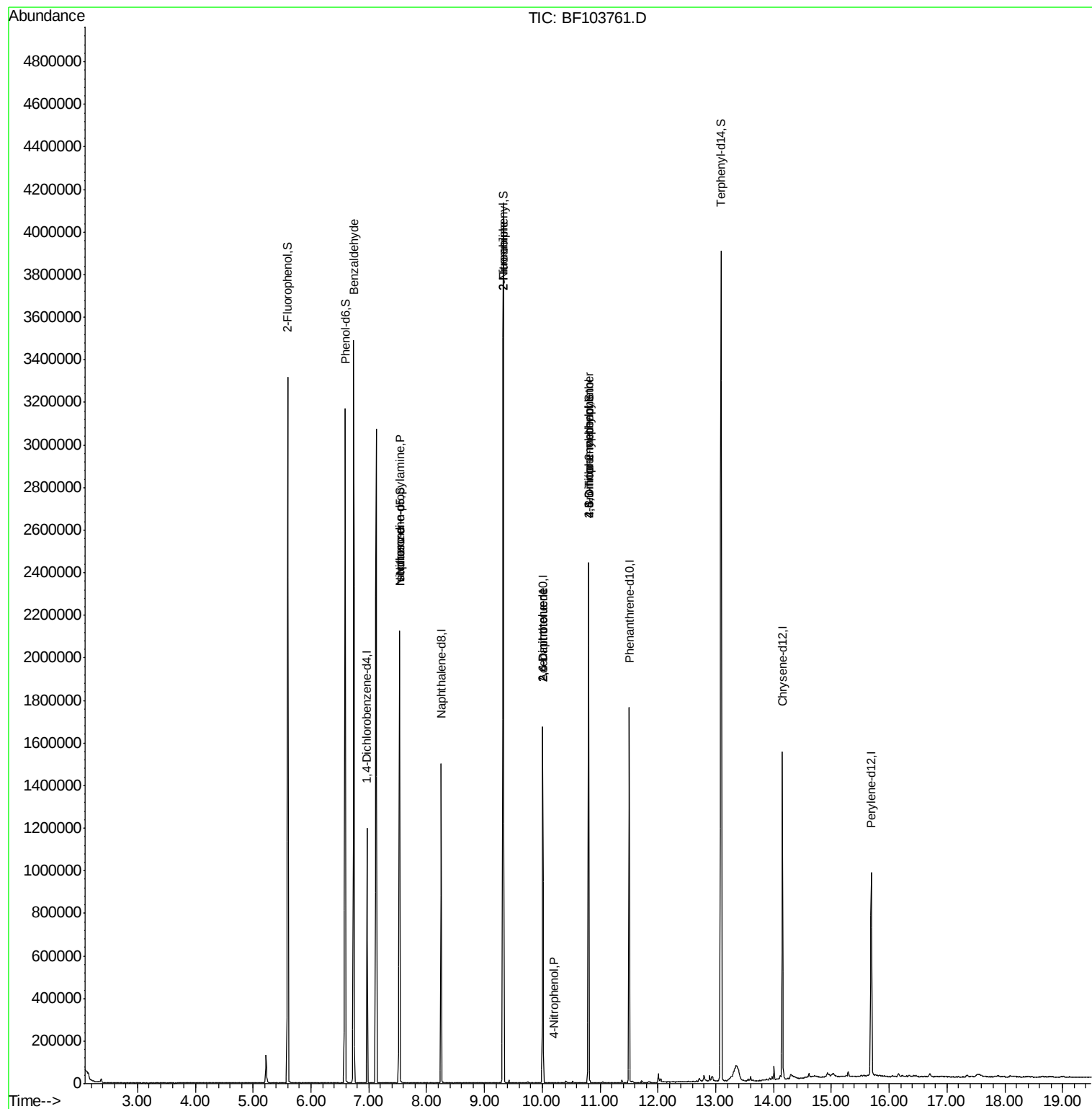
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	23025	2.721	ng	82
19) n-Nitroso-di-n-propylamine	7.53	70	103939	12.592	ng	# 72
25) Isophorone	7.53	82	794661	36.336	ng	# 64
47) 2-Nitroaniline	9.32	65	2251	7.171	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	40107	11.964	ng	# 25
55) 4-Nitrophenol	10.20	139	227	5.019	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	40107	12.194	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	573	8.408	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19259	3.182	ng	# 1

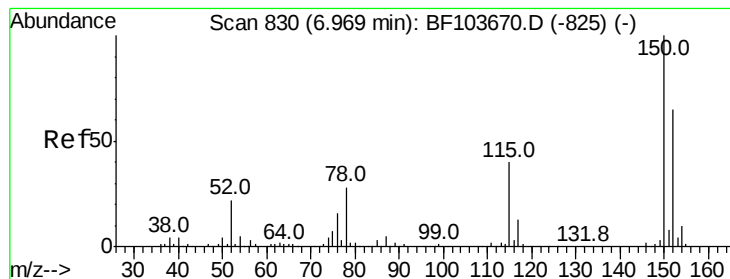
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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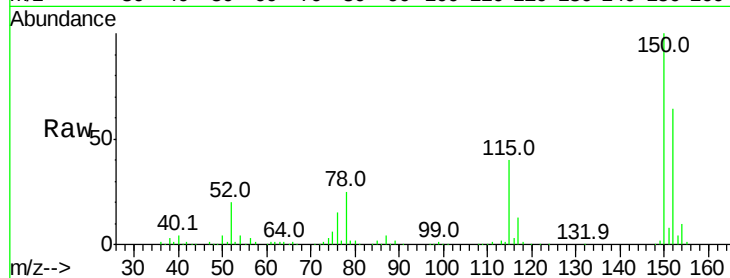


#1

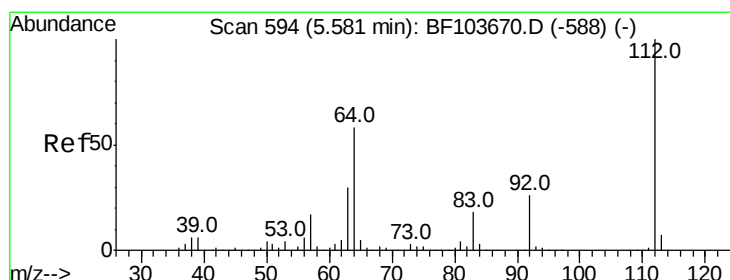
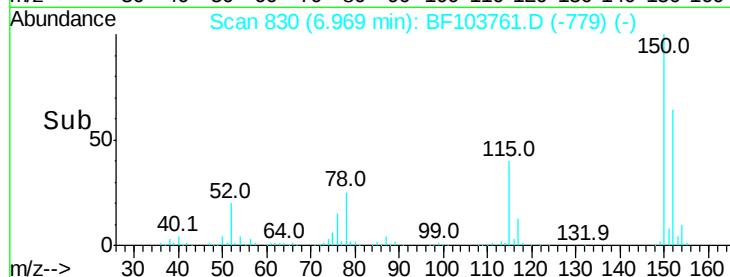
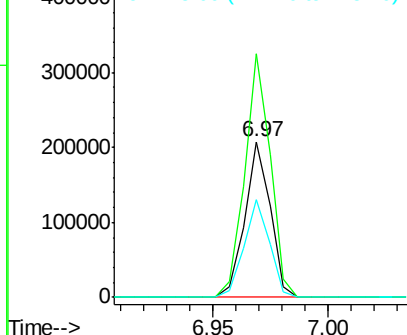
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103761.D
Acq: 19 Mar 2018 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160128
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 62.7 50.1 75.1



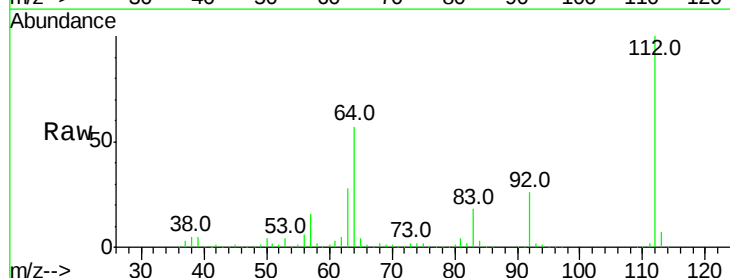
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



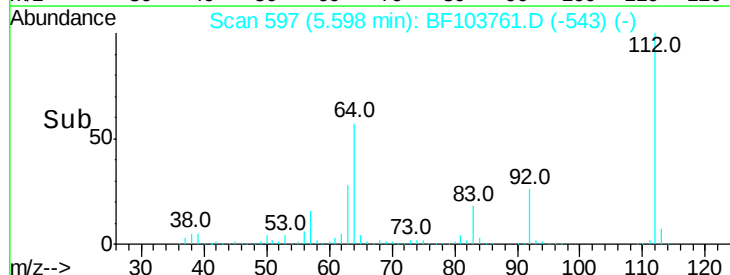
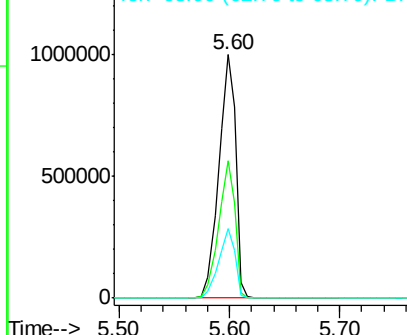
#5

2-Fluorophenol
Concen: 100.084 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103761.D
Acq: 19 Mar 2018 17:49

Tgt Ion:112 Resp: 1053667
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 28.5 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: 98.004 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

Instrument :

BNA_F

ClientSampleId :

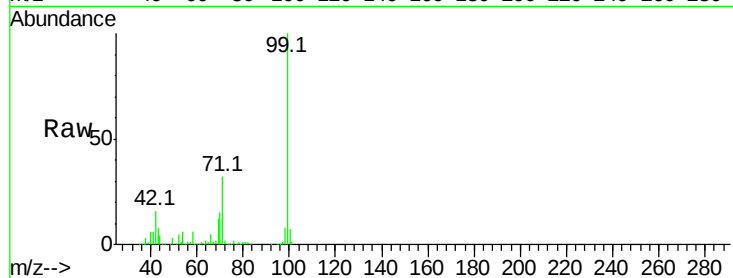
Tot Ion: 99 Resp: 1262302

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

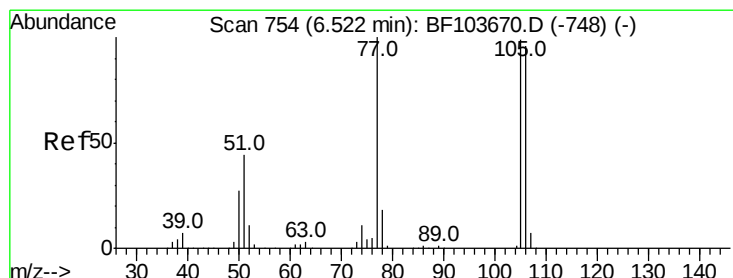
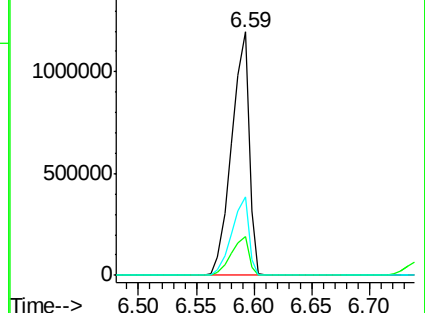
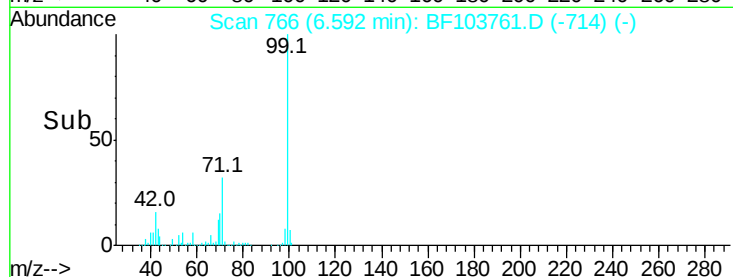
71 32.5 25.4 38.0



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: 2.721 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.22 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

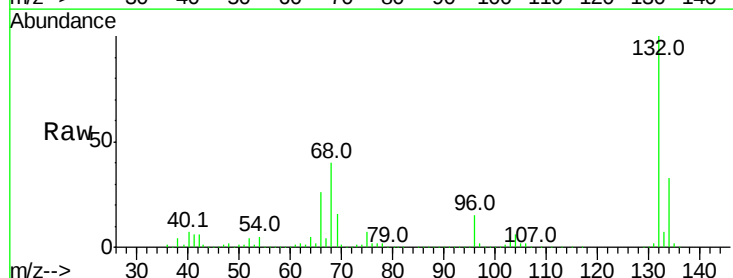
Tgt Ion: 77 Resp: 23025

Ion Ratio Lower Upper

77 100

105 84.1 81.1 121.1

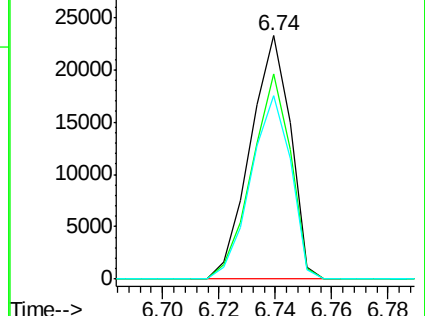
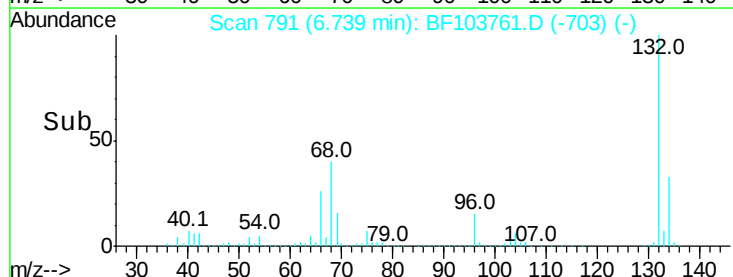
106 75.1 74.5 114.5

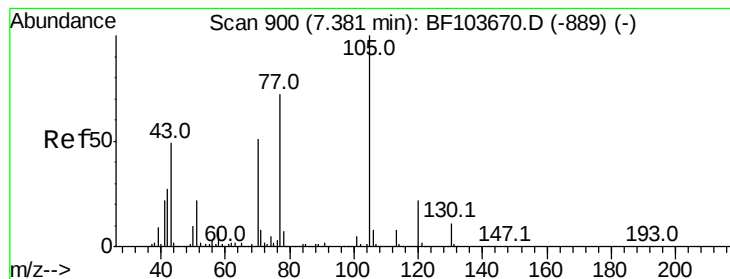


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 12.592 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 103939

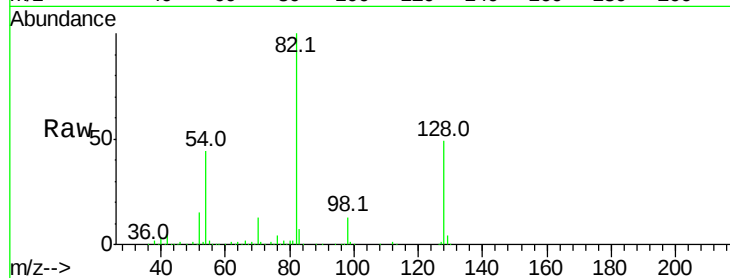
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

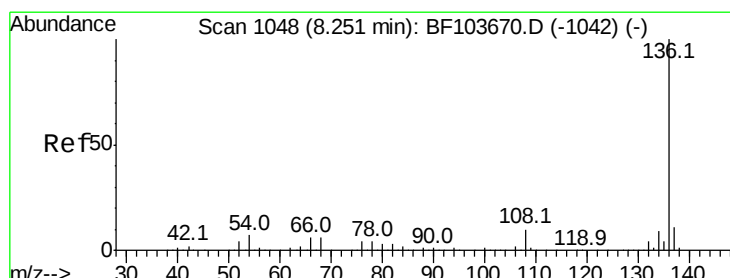
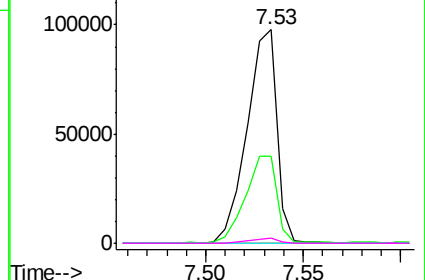
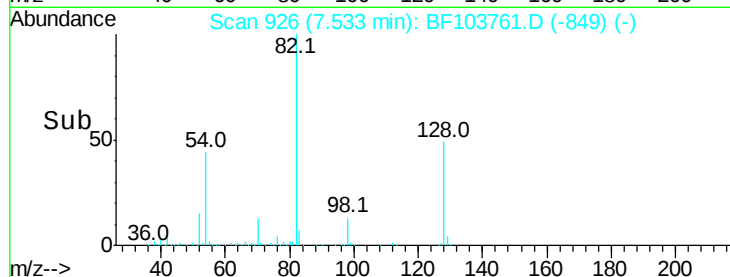


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

Tgt Ion: 136 Resp: 658820

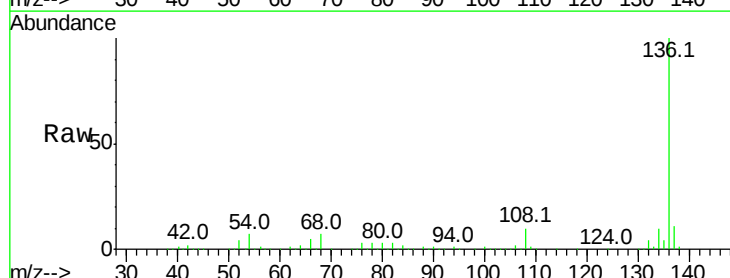
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.1 6.6 9.8

68 6.6 5.0 7.4

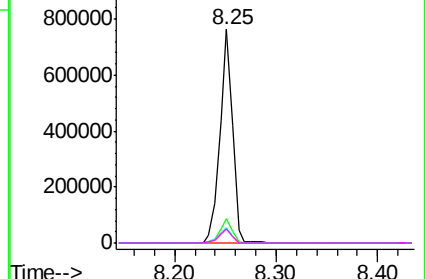
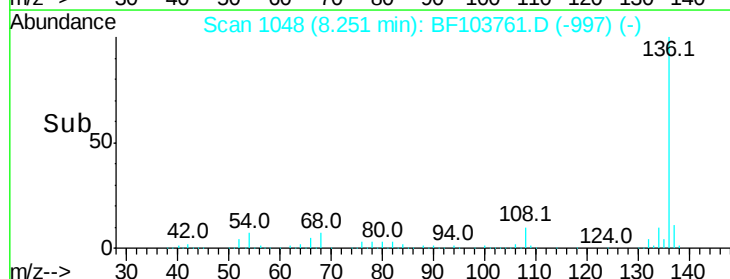


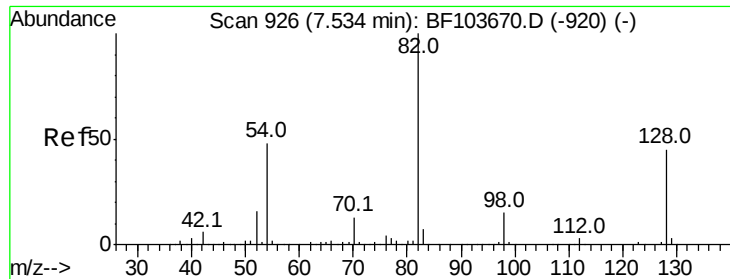
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

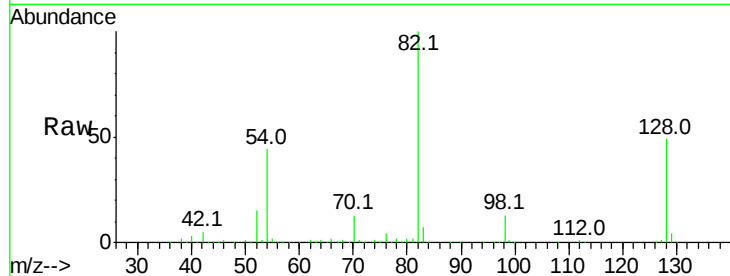




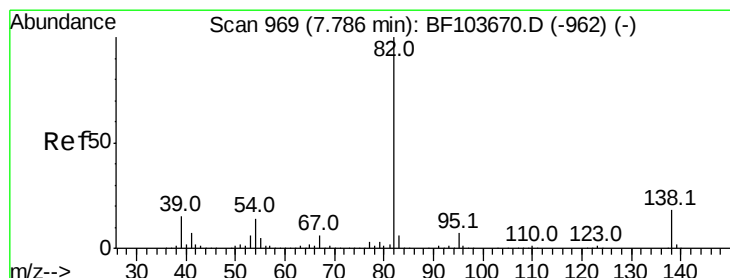
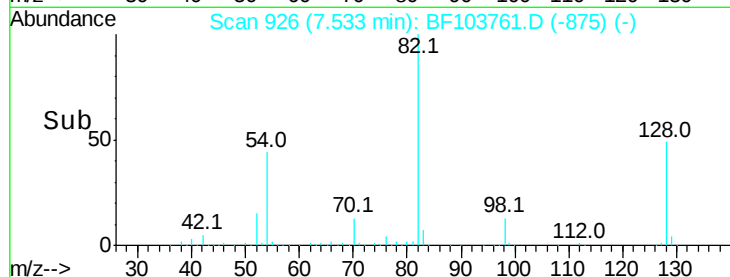
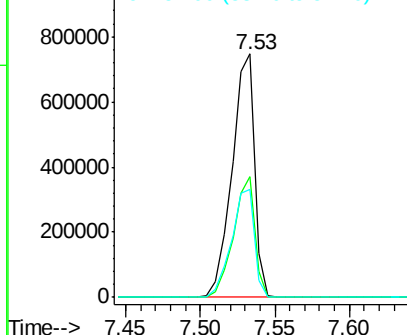
#23
Nitrobenzene-d5
Concen: 84.102 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103761.D
Acq: 19 Mar 2018 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	794537
Ion Ratio	100	Lower	Upper
128	49.4	36.1	54.1
54	44.3	41.4	62.2

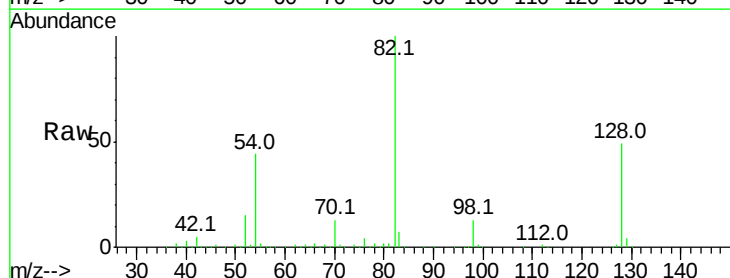


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

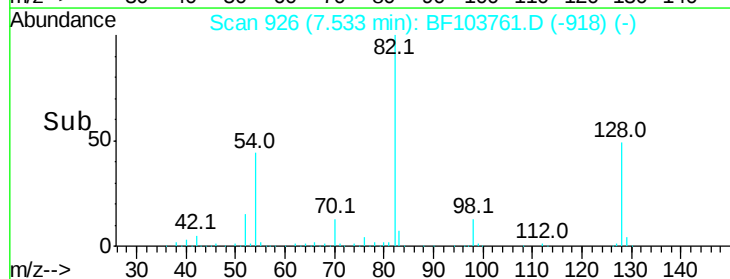
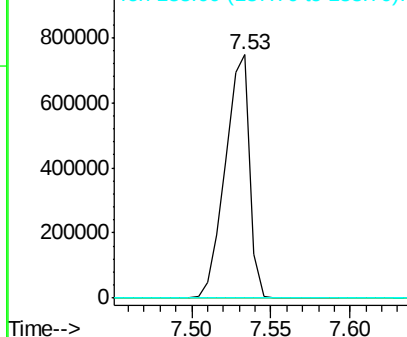


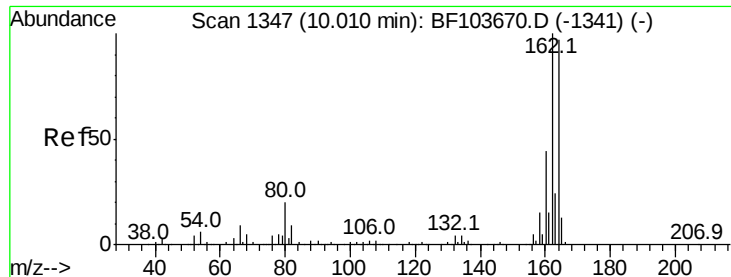
#25
Isophorone
Concen: 36.336 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF103761.D
Acq: 19 Mar 2018 17:49

Tgt Ion	82	Resp	794661
Ion Ratio	100	Lower	Upper
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

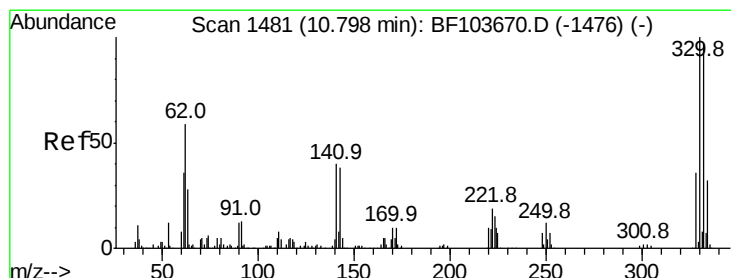
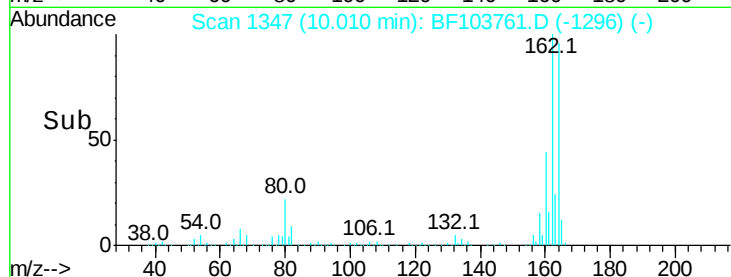
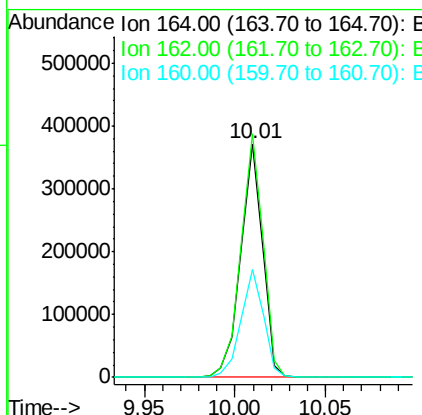
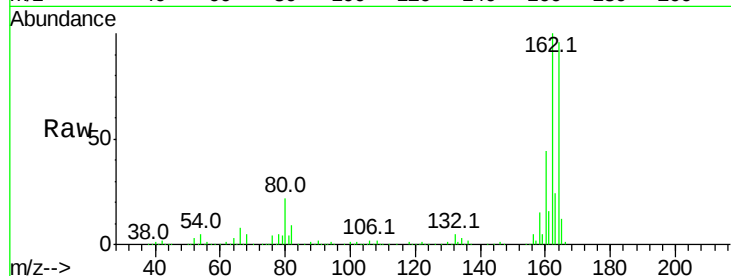




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

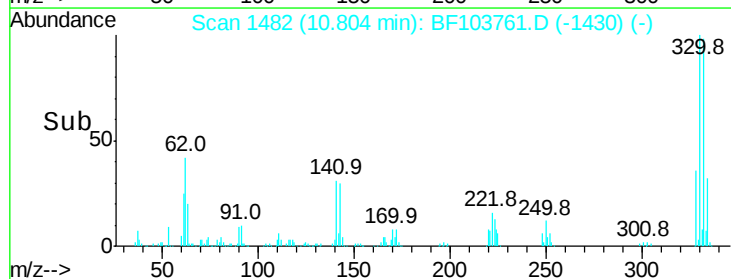
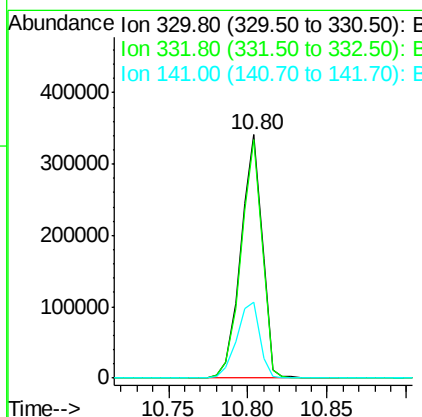
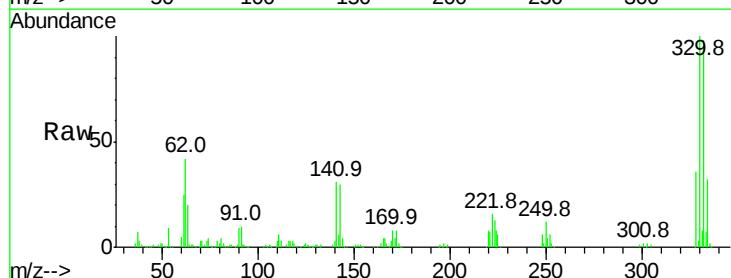
Instrument :
 BNA_F
 ClientSampleId :

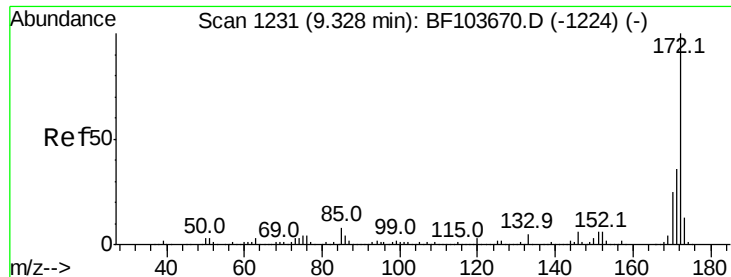
Tot Ion:164 Resp: 312266
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 46.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 119.054 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

Tgt Ion:330 Resp: 319645
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 33.7 29.9 44.9



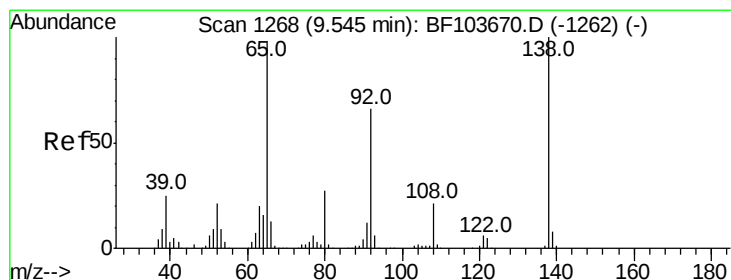
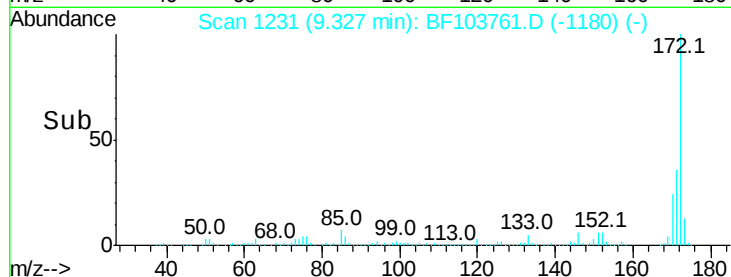
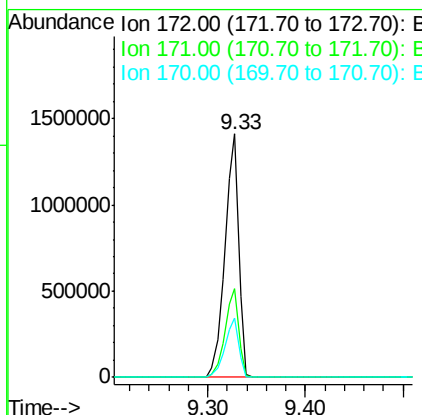
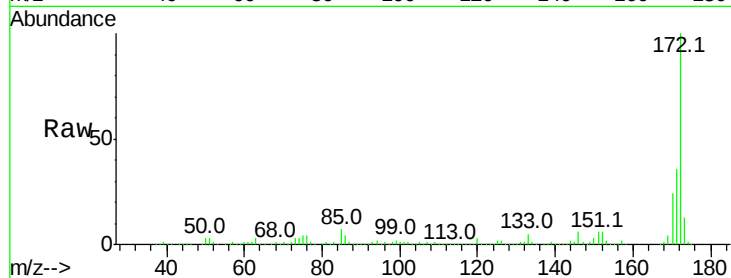


#44
 2-Fluorobiphenyl
 Concen: 70.624 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1382529

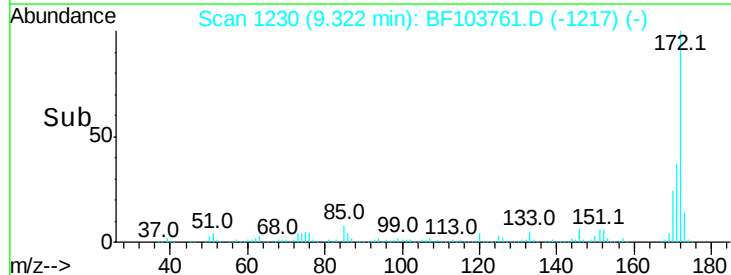
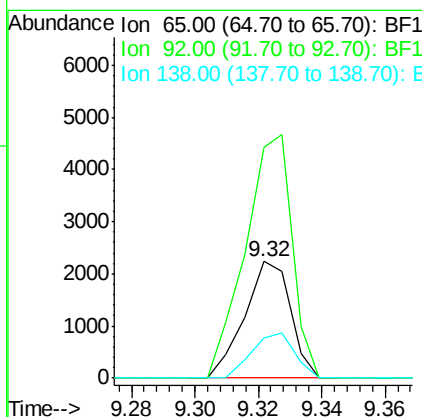
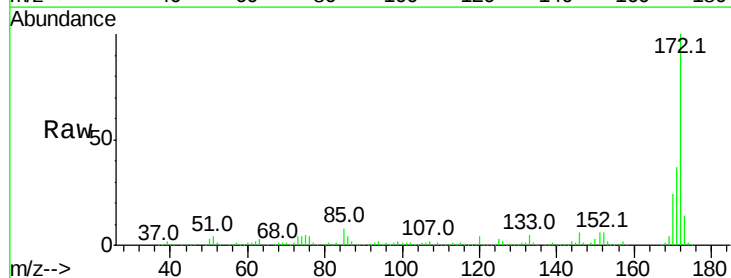
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	19.6	29.4

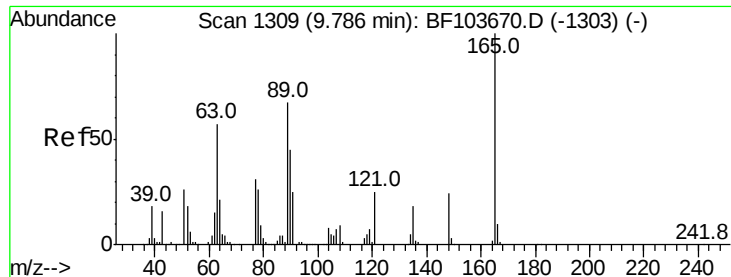


#47
 2-Nitroaniline
 Concen: 7.171 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.22 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

Tgt Ion: 65 Resp: 2251

Ion	Ratio	Lower	Upper
65	100		
92	197.3	55.8	83.6#
138	33.9	91.2	136.8#

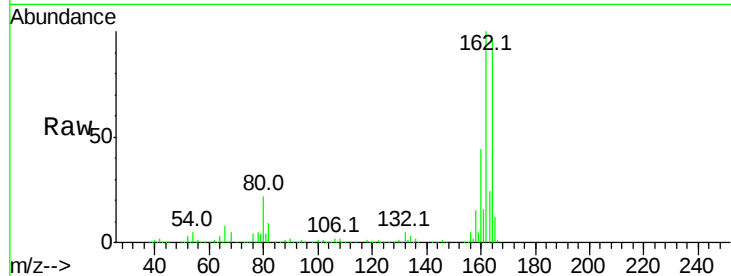




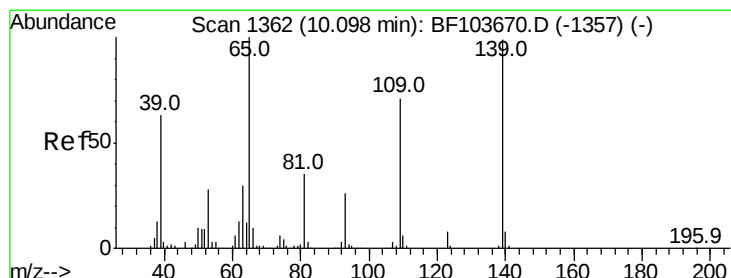
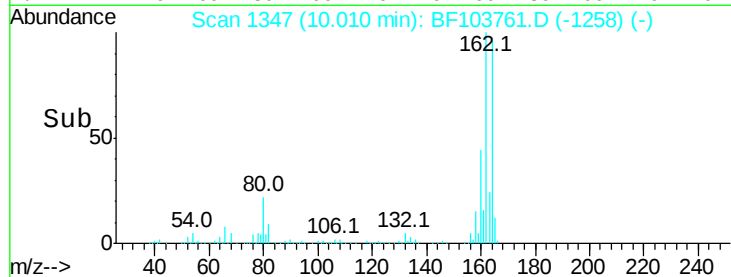
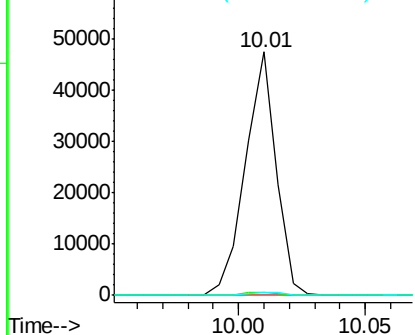
#50
 2,6-Dinitrotoluene
 Concen: 11.964 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 40107
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.3 44.0 66.0#

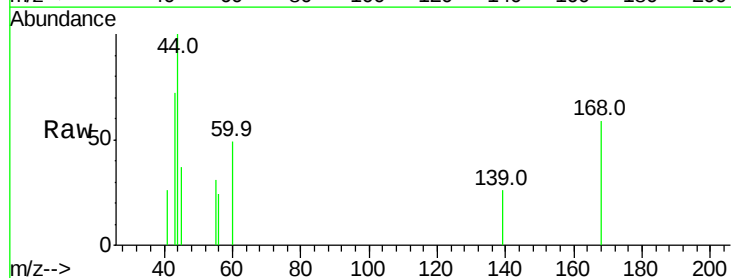


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

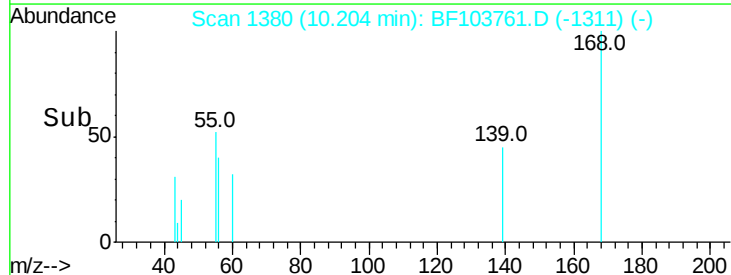
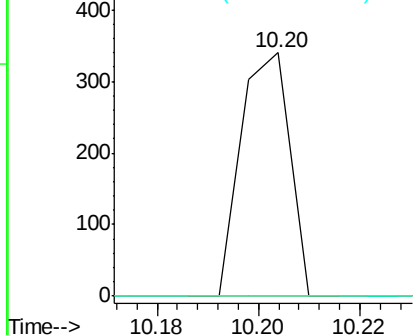


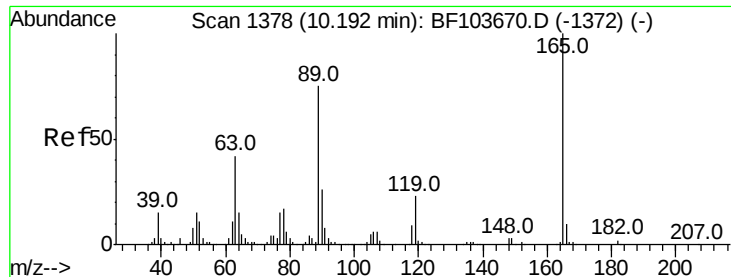
#55
 4-Nitrophenol
 Concen: 5.019 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

Tgt Ion:139 Resp: 227
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

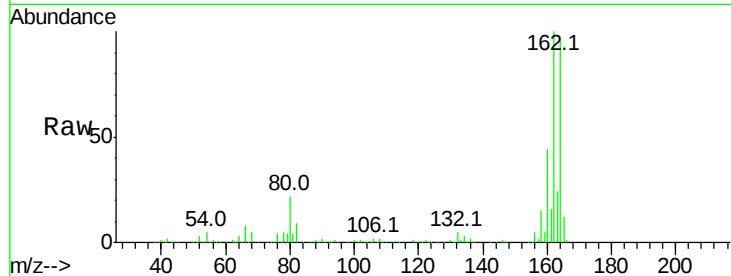




#56
 2,4-Dinitrotoluene
 Concen: 12.194 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

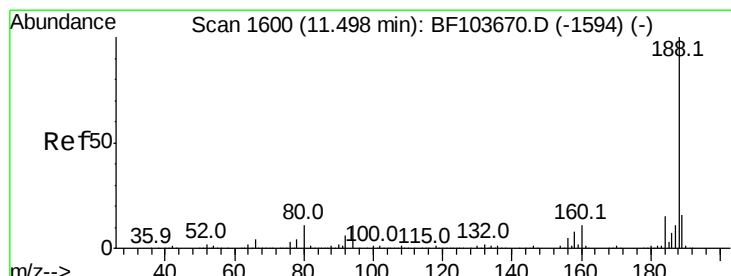
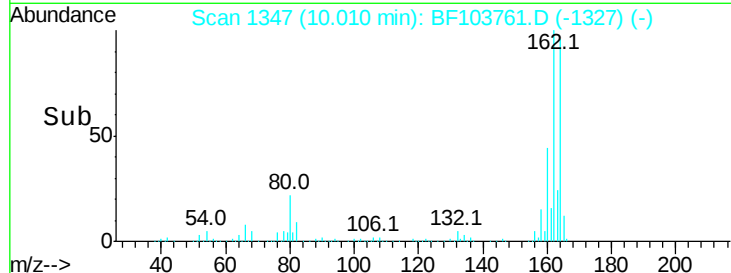
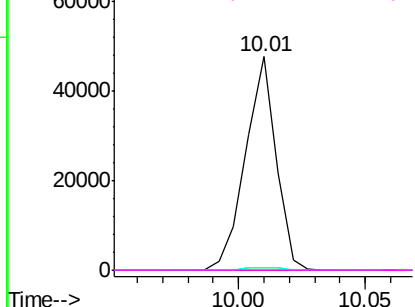


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

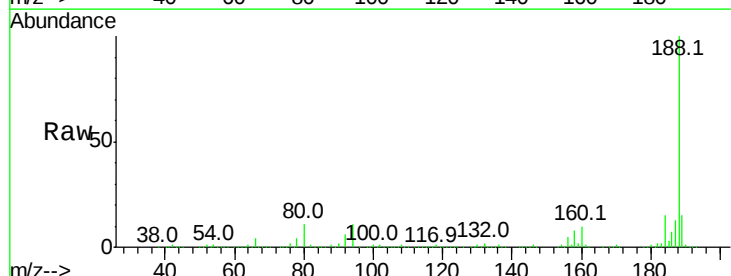
Ion 89.00 (88.70 to 89.70): BF1

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: BF103761.D
 Acq: 19 Mar 2018 17:49

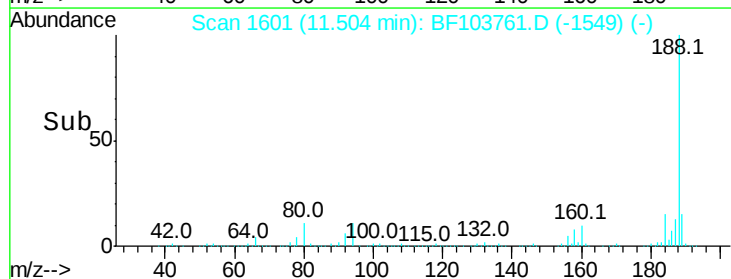
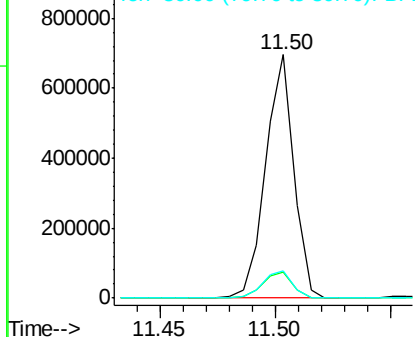
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.2	9.2	13.8

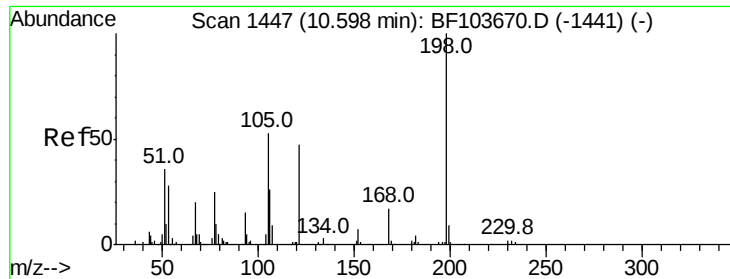


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.408 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

Instrument :

BNA_F

ClientSampled :

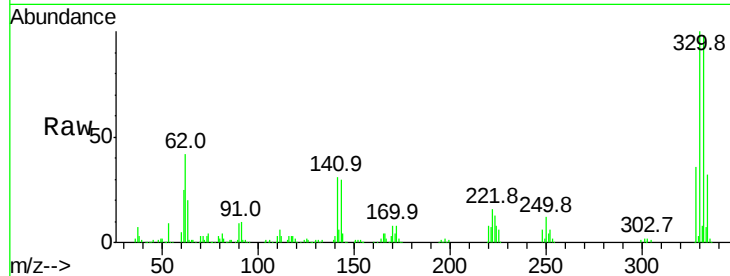
Tot Ion:198 Resp: 573

Ion Ratio Lower Upper

198 100

51 167.0 37.7 77.7#

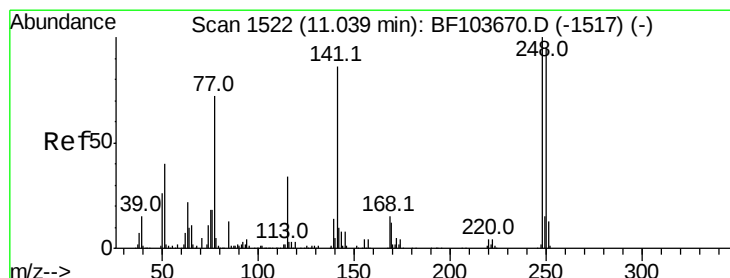
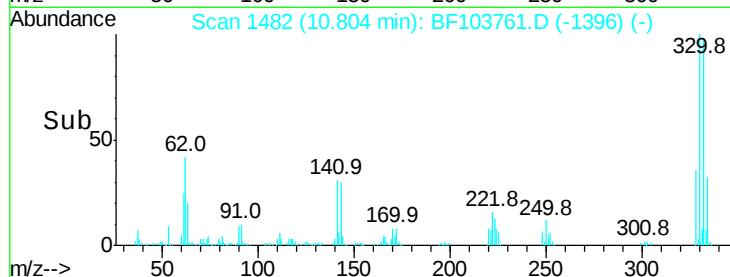
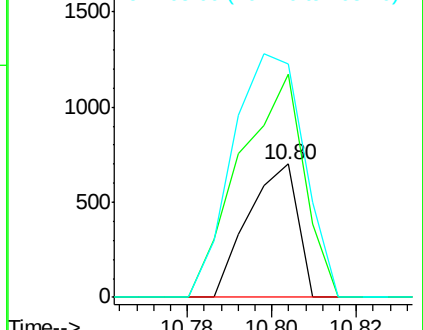
105 174.4 36.3 76.3#



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: 3.182 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

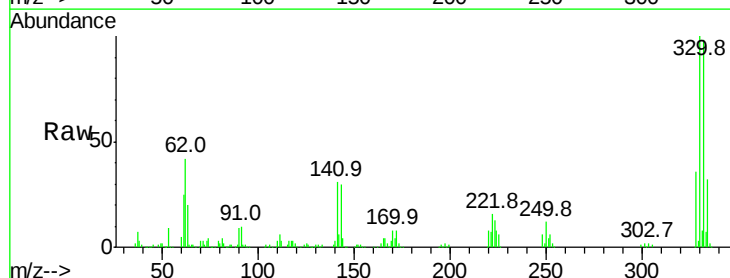
Tgt Ion:248 Resp: 19259

Ion Ratio Lower Upper

248 100

250 196.3 76.9 115.3#

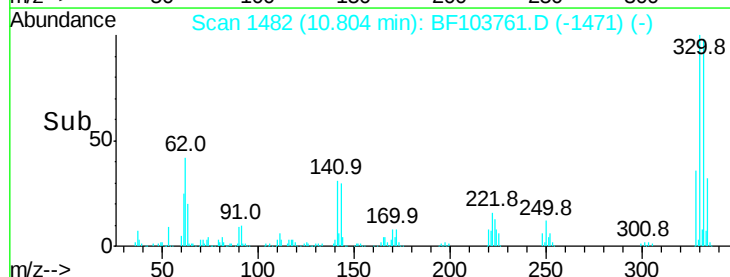
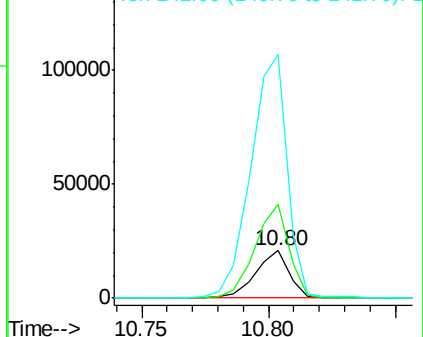
141 511.4 74.4 111.6#

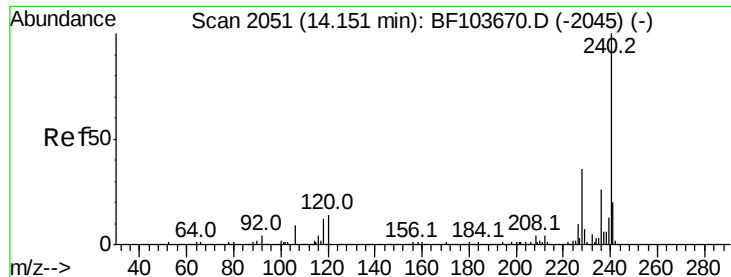


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

Instrument :

BNA_F

ClientSampleId :

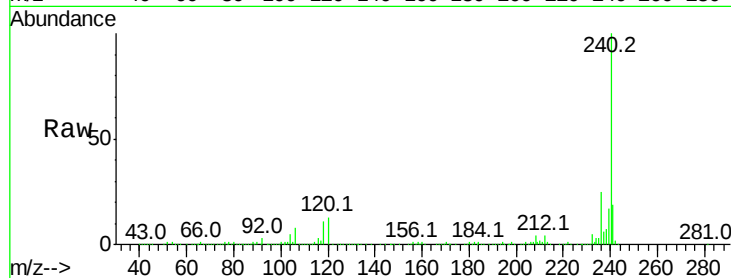
Tot Ion:240 Resp: 518805

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

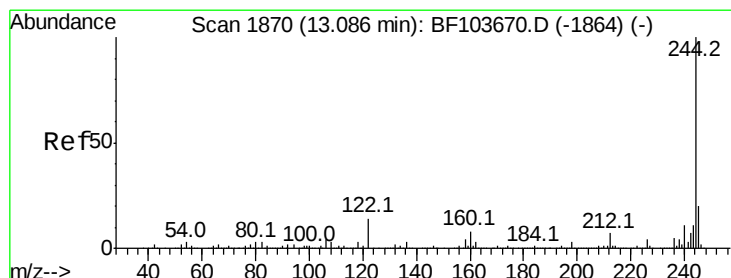
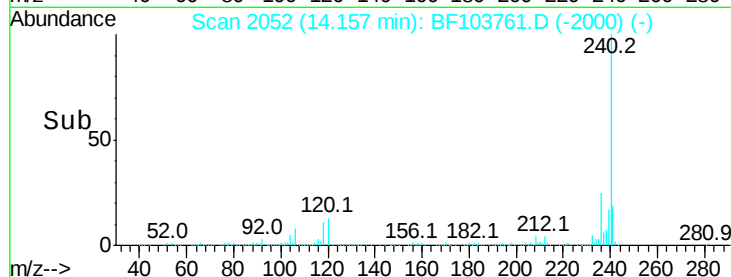
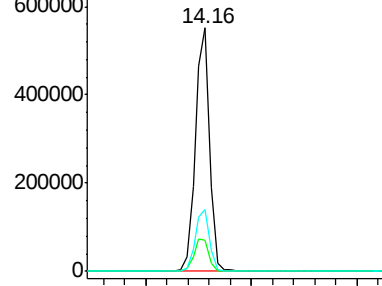
236 25.4 20.7 31.1



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



#78

Terphenyl-d14

Concen: 67.107 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103761.D

Acq: 19 Mar 2018 17:49

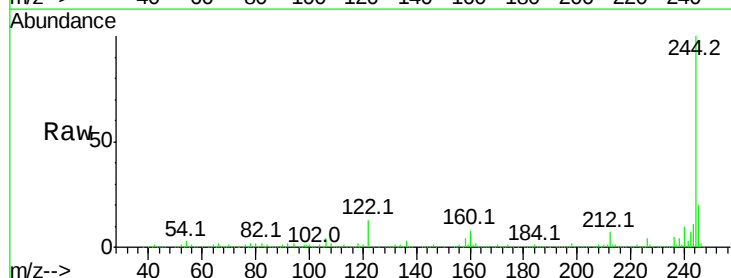
Tgt Ion:244 Resp: 1499936

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

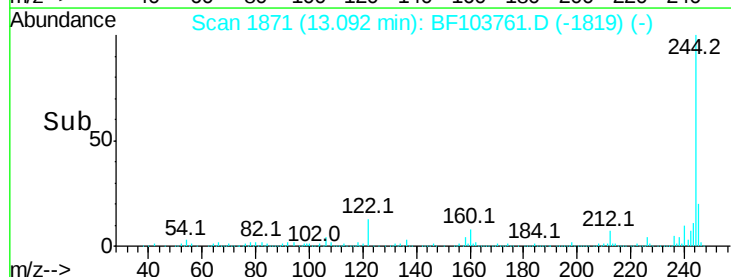
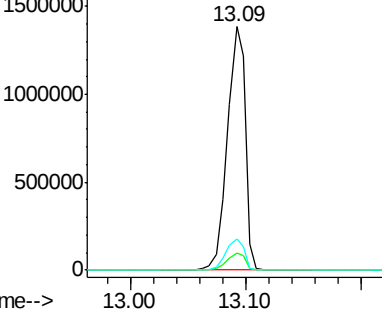
122 13.0 11.0 16.4

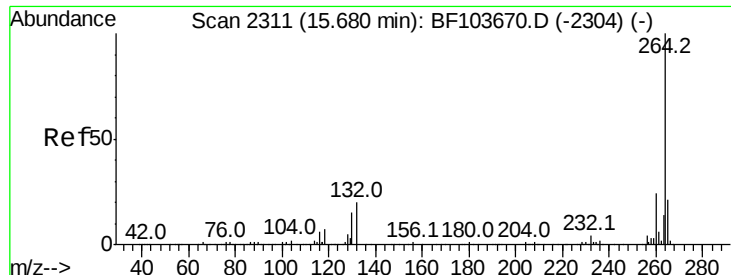


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

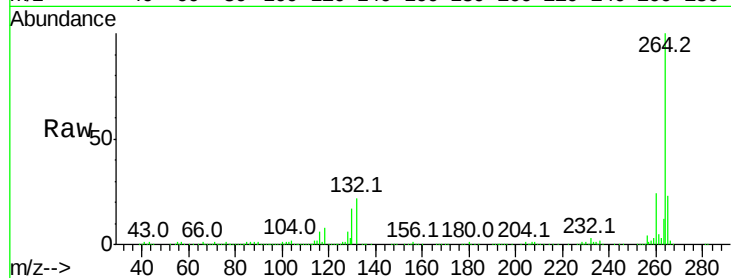




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF103761.D
 Acq: 19 Mar 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.5	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

