

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103776.D
 Acq On : 20 Mar 2018 00:32
 Operator : JU/SJ
 Sample : J1971-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

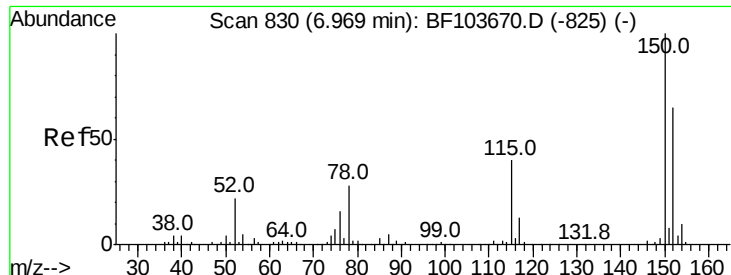
Quant Time: Mar 20 02:26:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	144405	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	548461	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	224795	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	347771	20.00	ng	0.00
75) Chrysene-d12	14.16	240	298077	20.00	ng	0.00
86) Perylene-d12	15.70	264	254216	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1149593	121.08	ng	0.02
7) Phenol-d6	6.60	99	1397429	120.31	ng	0.01
23) Nitrobenzene-d5	7.53	82	857611	109.04	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	260913	134.99	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1091363	77.44	ng	0.00
78) Terphenyl-d14	13.09	244	912017	71.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	23572	3.089	ng	86
10) Phenol	6.61	94	41935	3.398	ng	90
19) n-Nitroso-di-n-propylamine	7.53	70	109245	14.676	ng	# 74
25) Isophorone	7.53	82	857761	47.113	ng	# 64
47) 2-Nitroaniline	9.72	65	827	6.996	ng	# 1
49) Dimethylphthalate	9.72	163	102999	6.006	ng	100
50) 2,6-Dinitrotoluene	9.72	165	1223	4.322	ng	# 20
55) 4-Nitrophenol	10.22	139	123	5.006	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	27982	12.009	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	527	8.571	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15984	4.476	ng	# 1

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

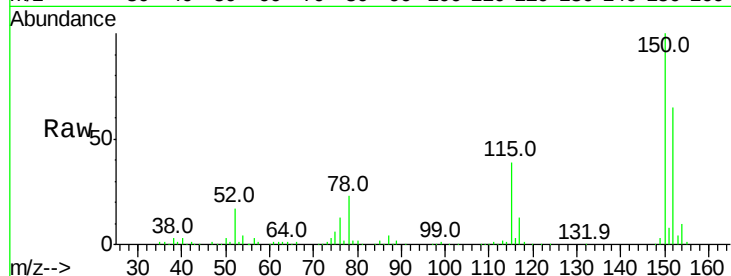


#1

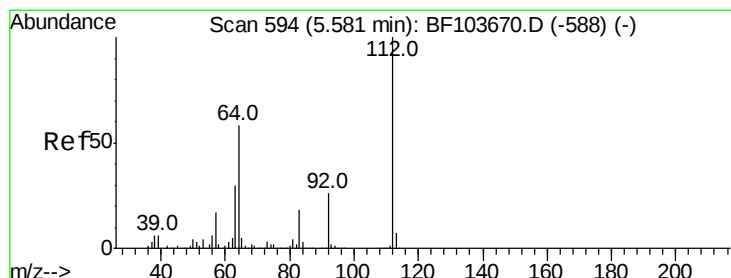
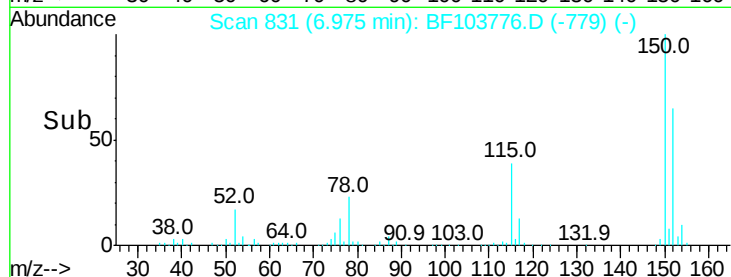
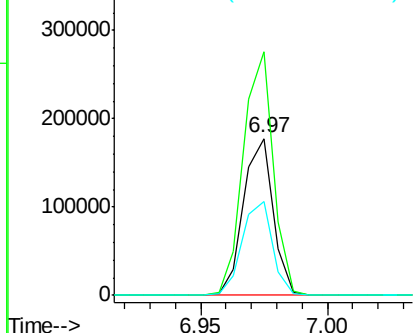
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103776.D
Acq: 20 Mar 2018 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144405
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 59.9 50.1 75.1



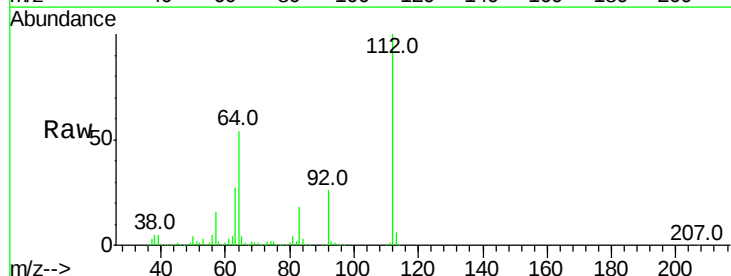
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



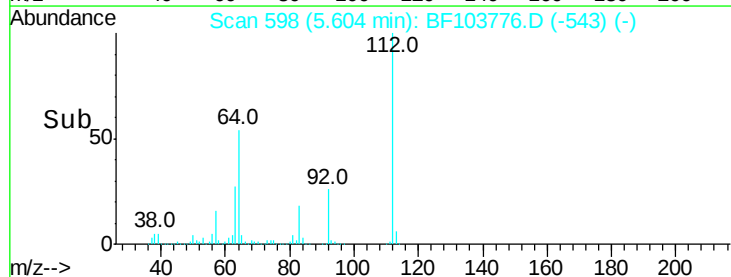
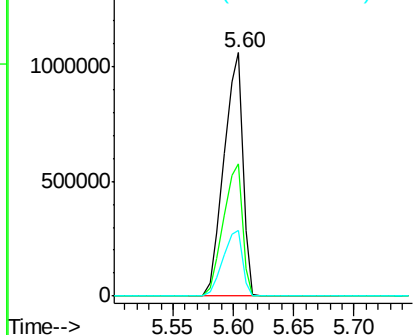
#5

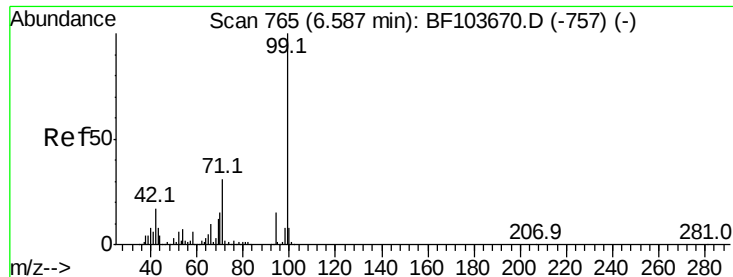
2-Fluorophenol
Concen: 121.085 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103776.D
Acq: 20 Mar 2018 00:32

Tgt Ion:112 Resp: 1149593
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 27.1 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: 120.308 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

Instrument :

BNA_F

ClientSampleId :

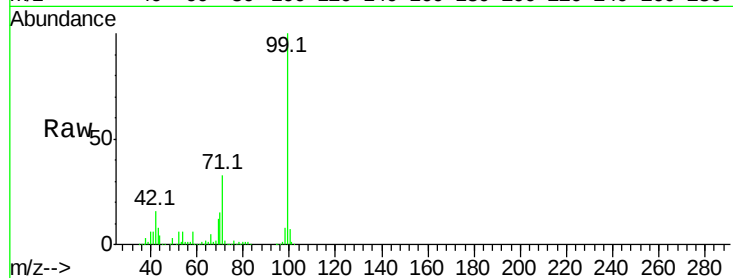
Tot Ion: 99 Resp: 1397429

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

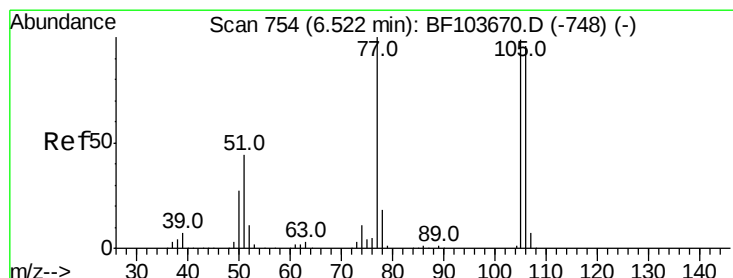
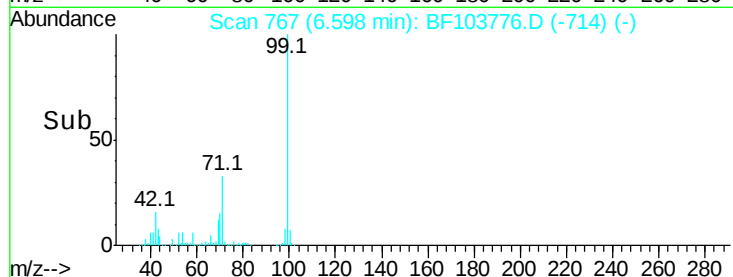
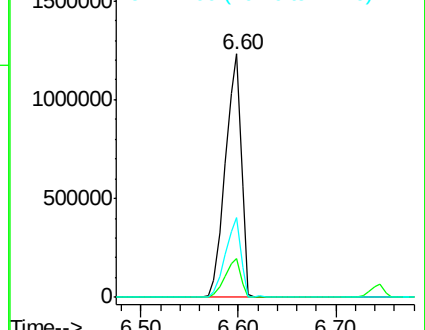
71 32.7 25.4 38.0



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: 3.089 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

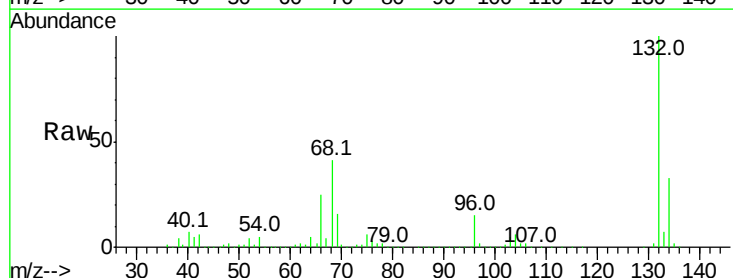
Tgt Ion: 77 Resp: 23572

Ion Ratio Lower Upper

77 100

105 86.3 81.1 121.1

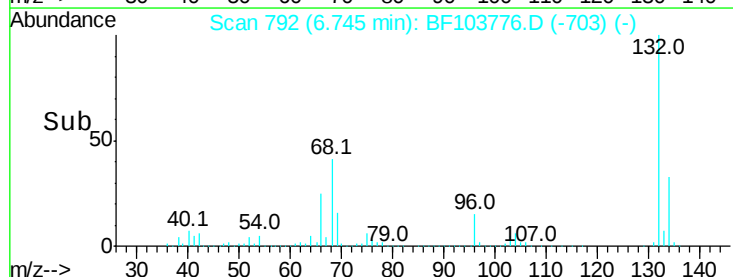
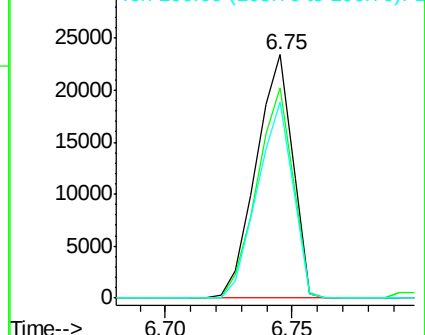
106 80.8 74.5 114.5

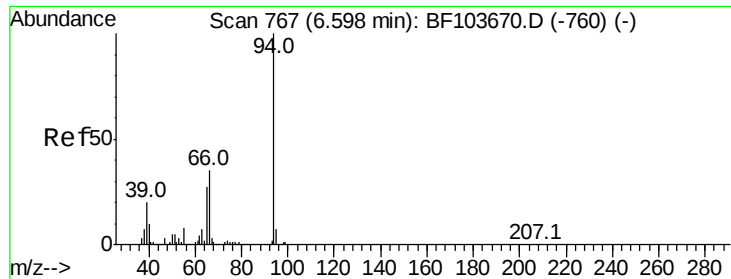


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.398 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

Instrument :

BNA_F

ClientSampleId :

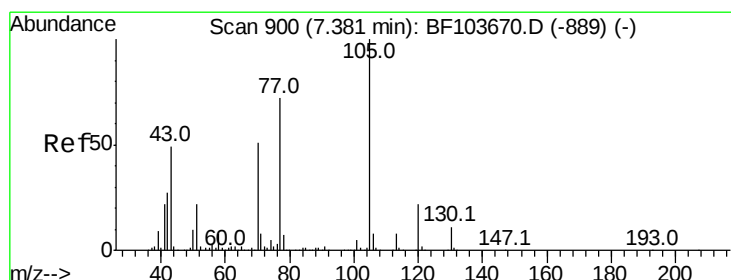
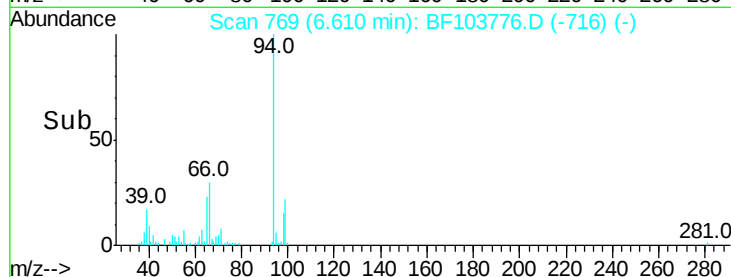
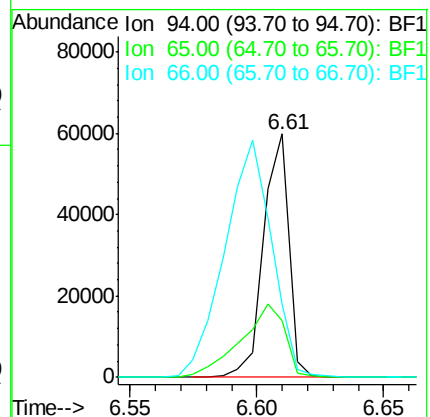
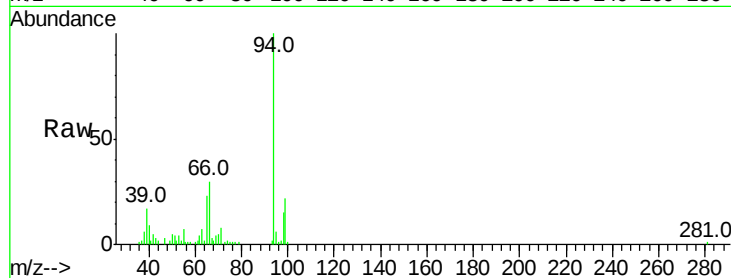
Tot Ion: 94 Resp: 41935

Ion Ratio Lower Upper

94 100

65 23.1 7.9 47.9

66 30.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.676 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

Tgt Ion: 70 Resp: 109245

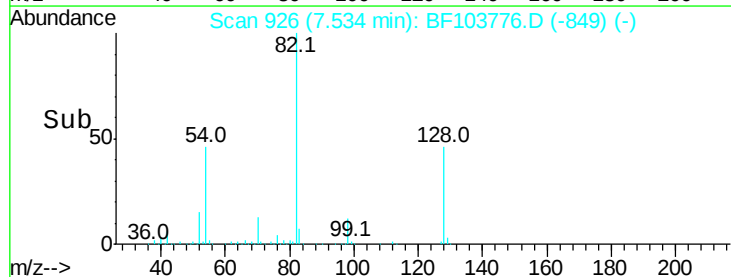
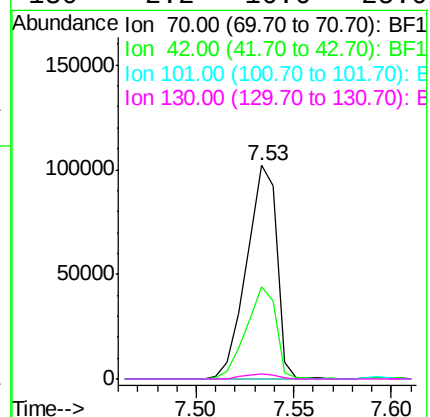
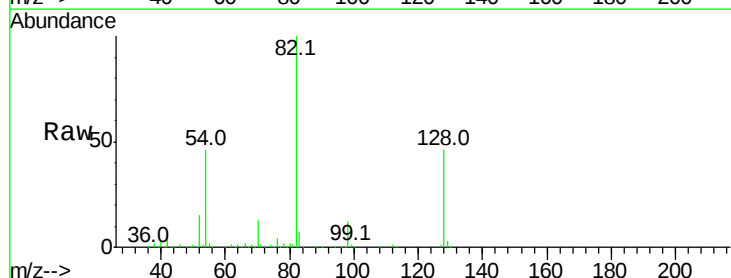
Ion Ratio Lower Upper

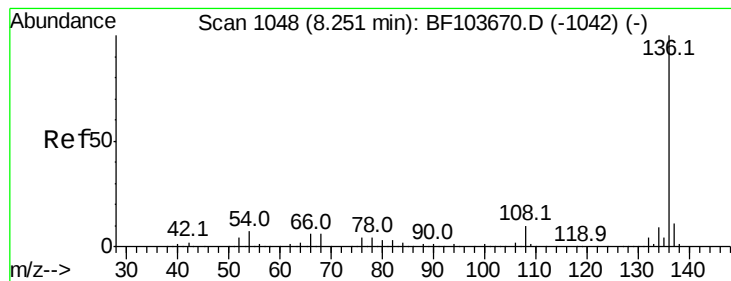
70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 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: BF103776.D

Acq: 20 Mar 2018 00:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 548461

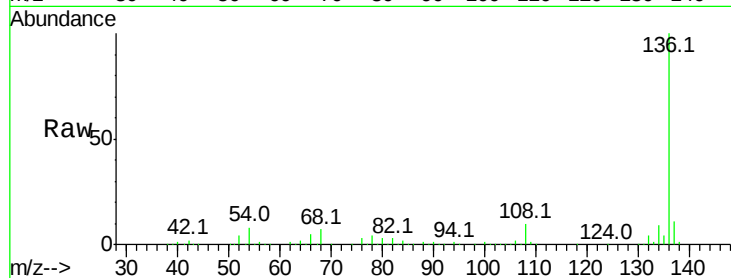
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.6 6.6 9.8

68 6.9 5.0 7.4

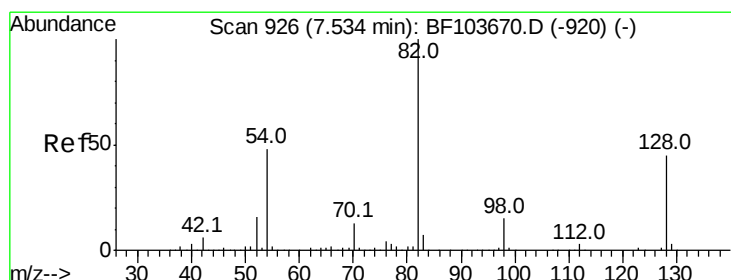
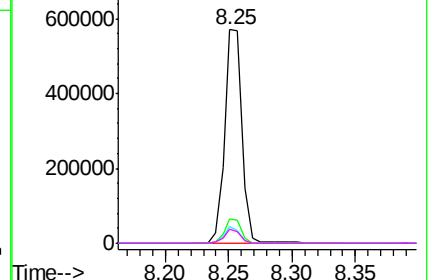
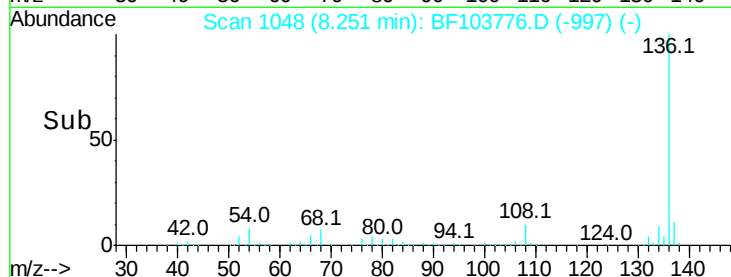


Abundance Ion 136.00 (135.70 to 136.70): E

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: 109.044 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

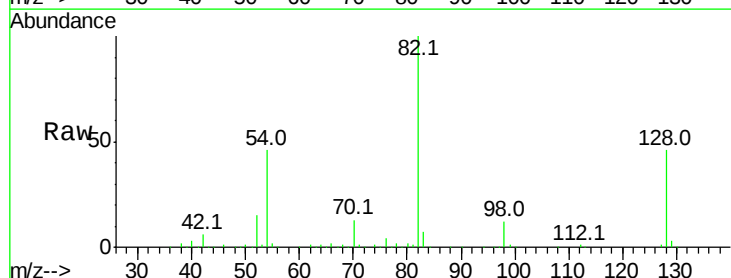
Tgt Ion: 82 Resp: 857611

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

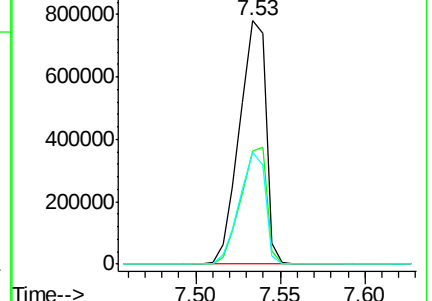
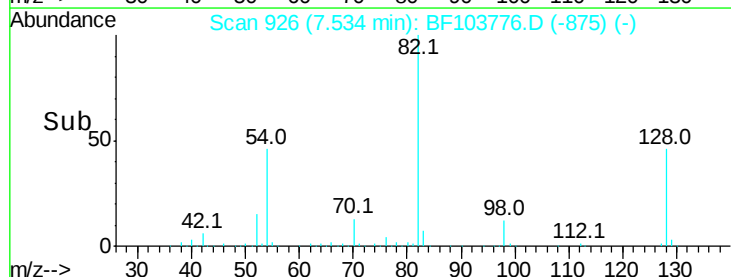
54 45.7 41.4 62.2

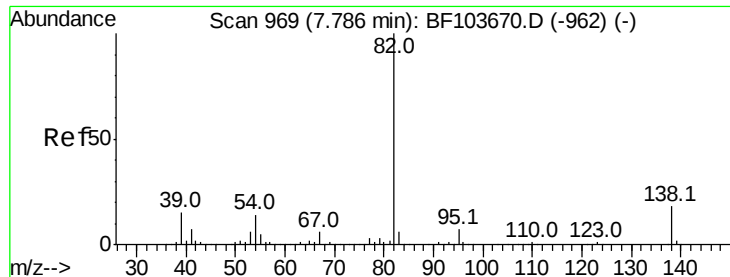


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.113 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

Instrument :

BNA_F

ClientSampled :

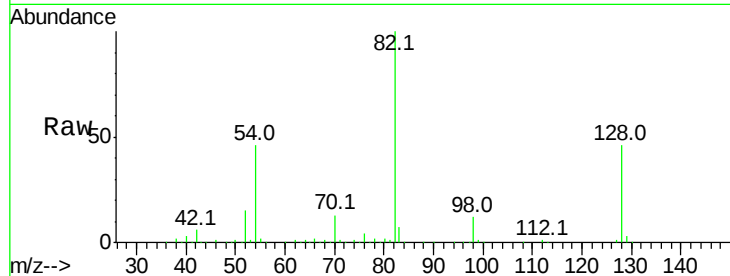
Tot Ion: 82 Resp: 857761

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

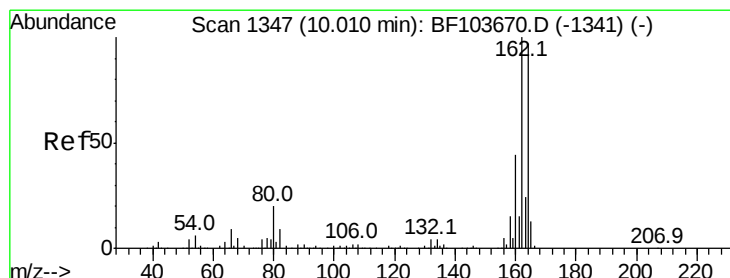
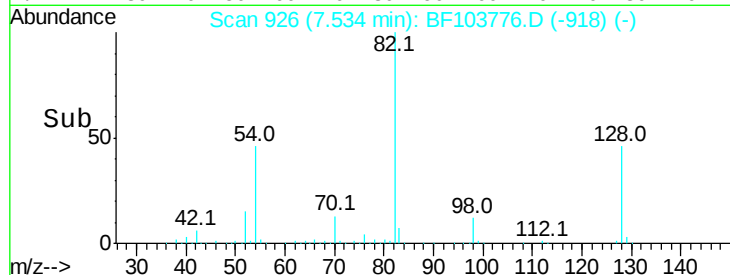
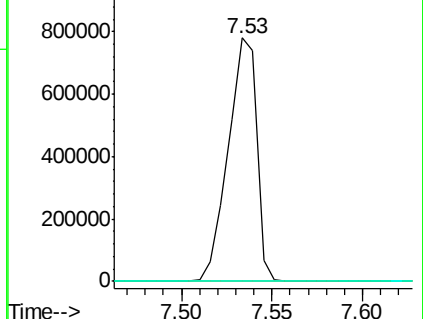
138 0.0 14.9 22.3#



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: BF103776.D

Acq: 20 Mar 2018 00:32

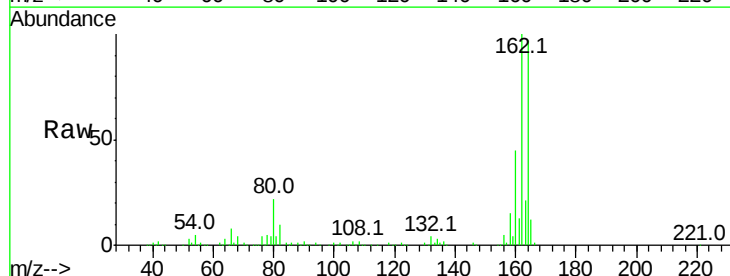
Tgt Ion:164 Resp: 224795

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

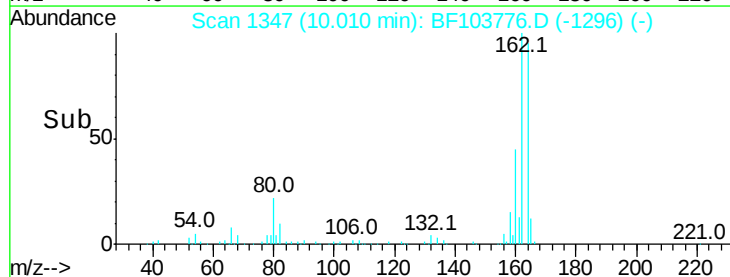
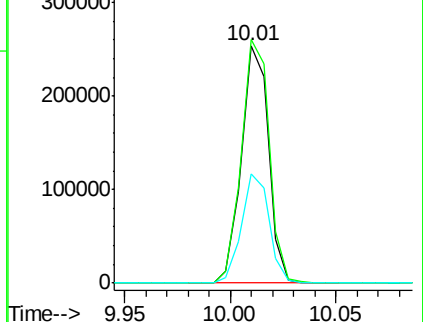
160 46.1 38.3 57.5

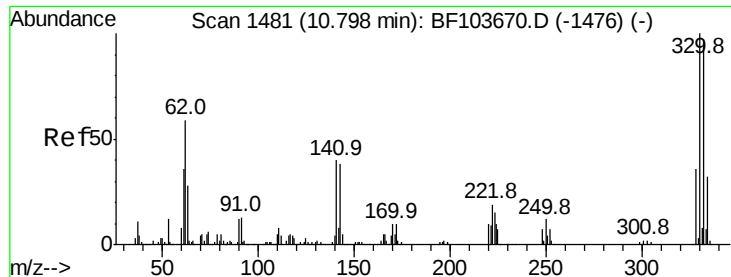


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

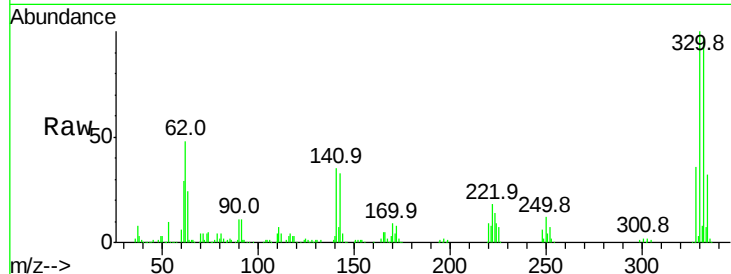




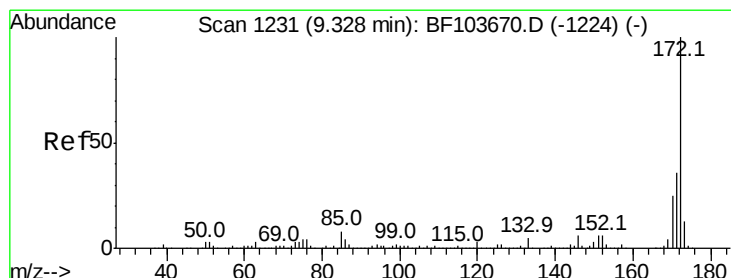
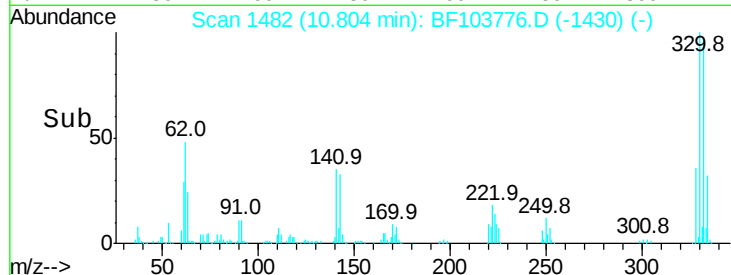
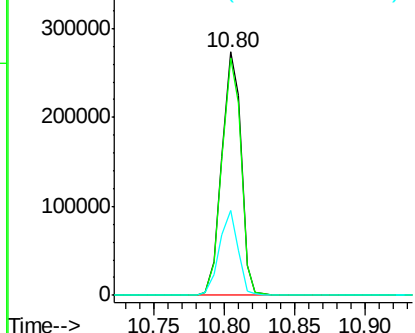
#41
 2,4,6-Tribromophenol
 Concen: 134.992 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103776.D
 Acq: 20 Mar 2018 00:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	33.7	29.9	44.9

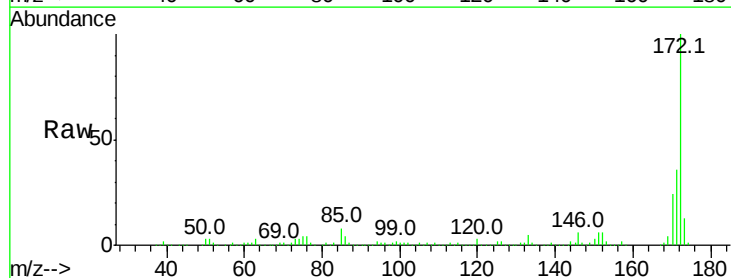


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

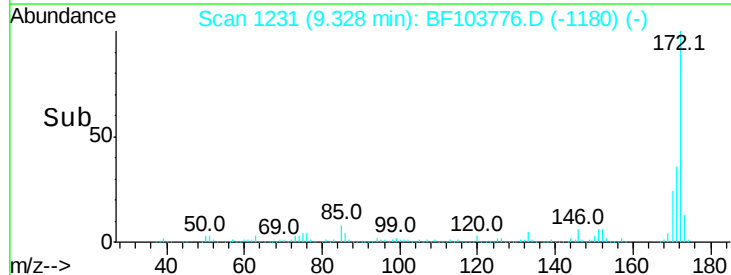
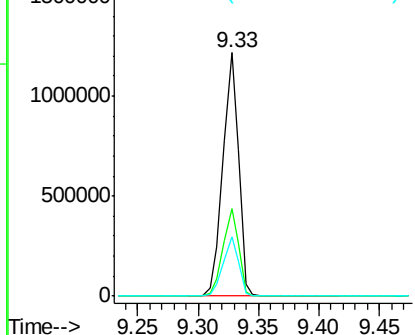


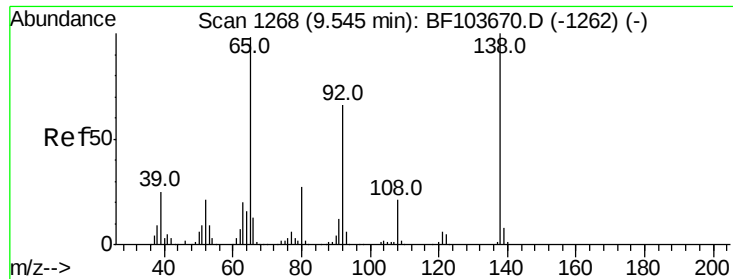
#44
 2-Fluorobiphenyl
 Concen: 77.443 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103776.D
 Acq: 20 Mar 2018 00:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.1	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

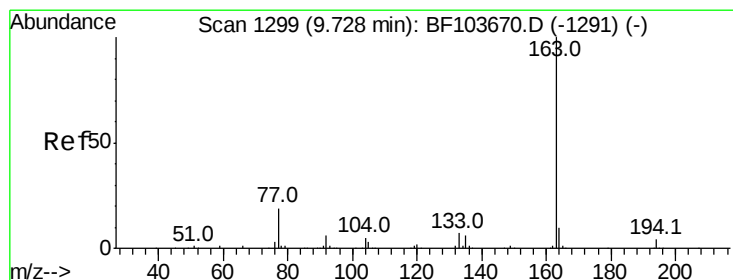
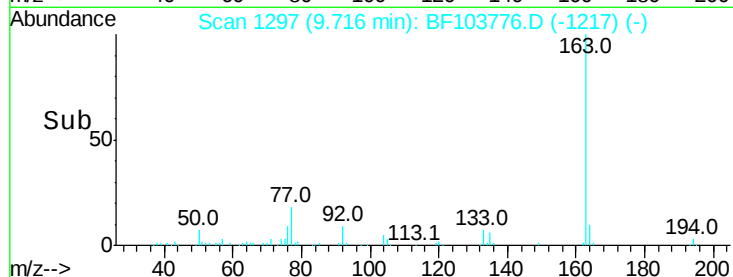
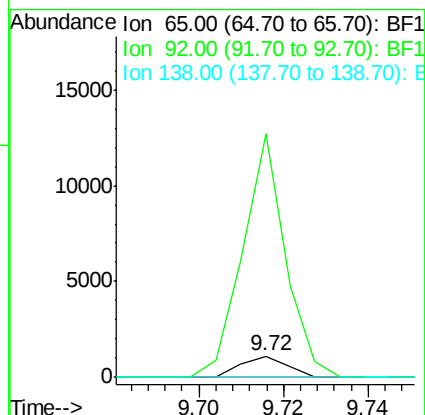
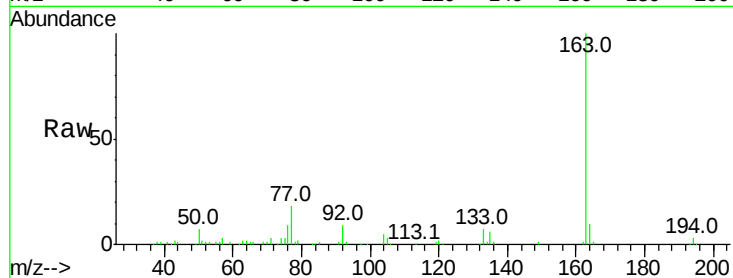




#47
2-Nitroaniline
Concen: 6.996 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103776.D
Acq: 20 Mar 2018 00:32

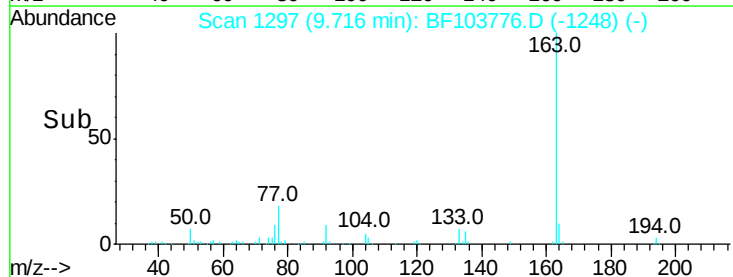
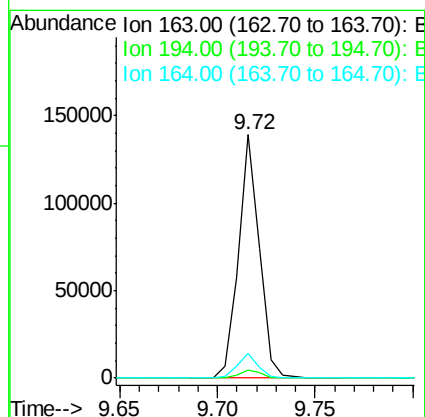
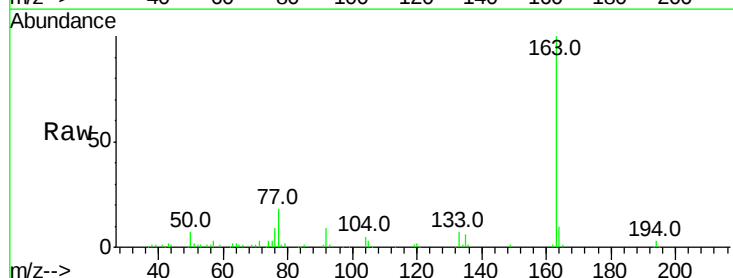
Instrument :
BNA_F
ClientSampleId :

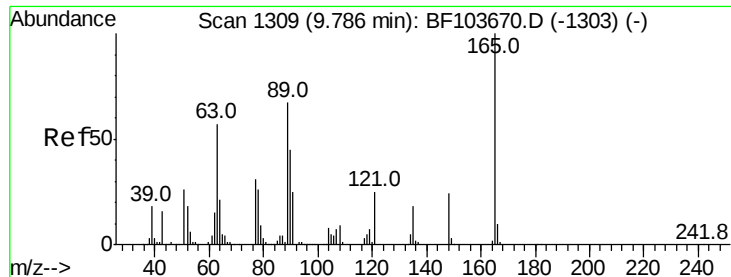
Tot Ion: 65 Resp: 827
Ion Ratio Lower Upper
65 100
92 1145.1 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 6.006 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103776.D
Acq: 20 Mar 2018 00:32

Tgt Ion:163 Resp: 102999
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.0 8.2 12.2

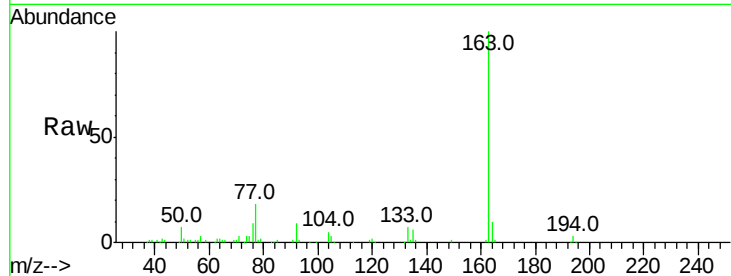




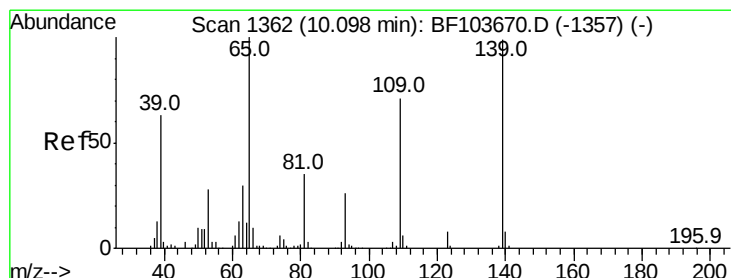
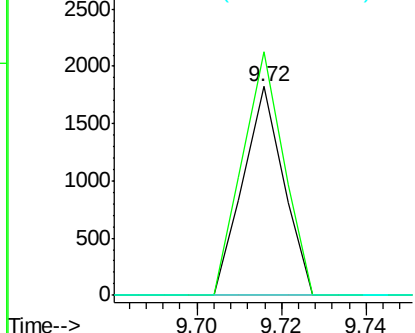
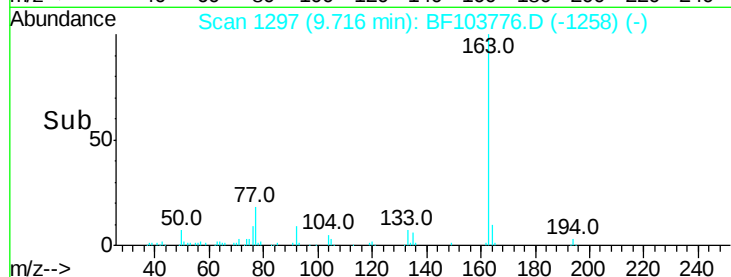
#50
2,6-Dinitrotoluene
Concen: 4.322 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.07 min
Lab File: BF103776.D
Acq: 20 Mar 2018 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 1223
Ion Ratio Lower Upper
165 100
63 116.5 44.7 67.1#
89 0.0 44.0 66.0#

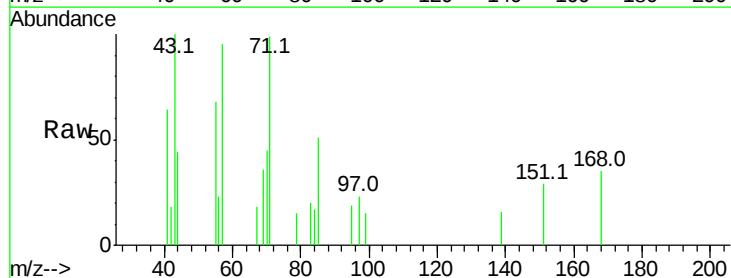


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

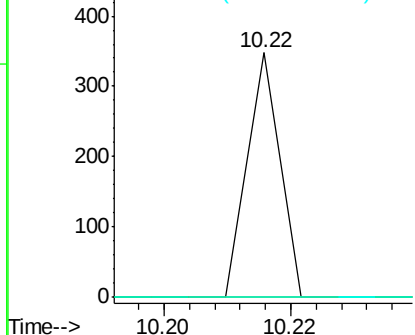
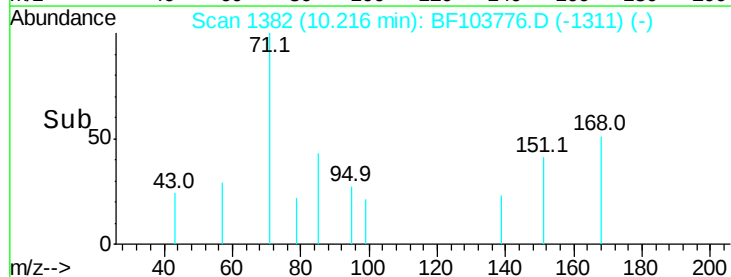


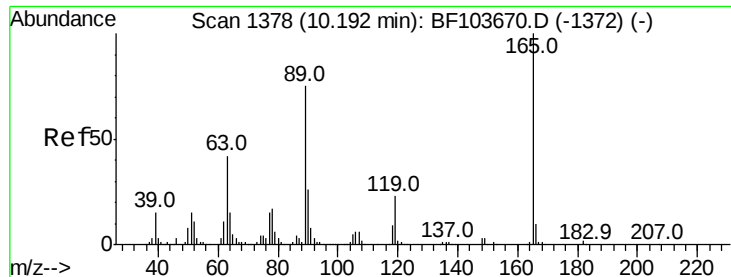
#55
4-Nitrophenol
Concen: 5.006 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103776.D
Acq: 20 Mar 2018 00:32

Tgt Ion:139 Resp: 123
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

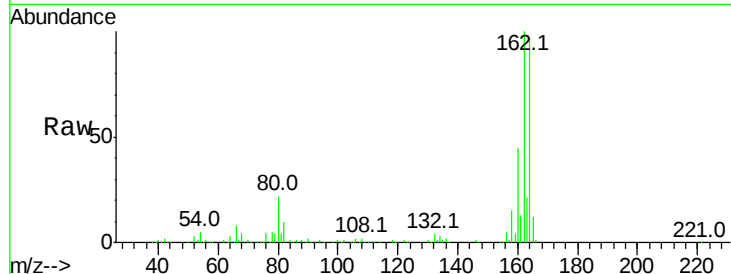




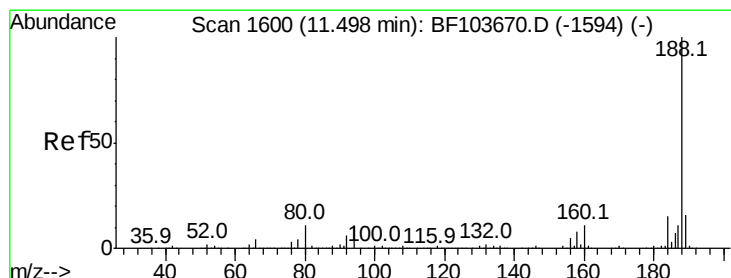
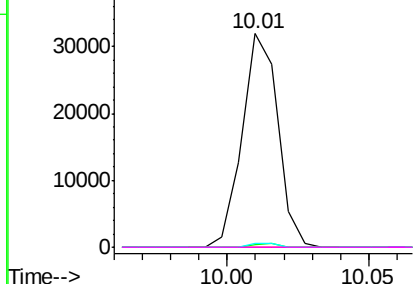
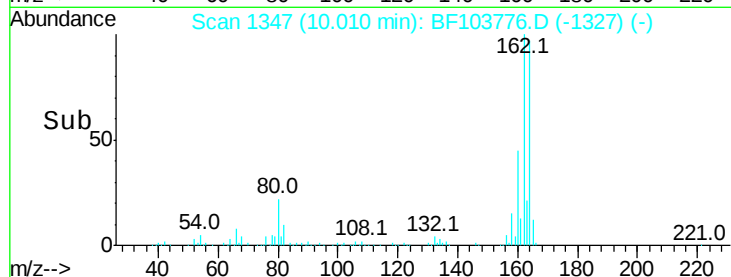
#56
 2,4-Dinitrotoluene
 Concen: 12.009 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103776.D
 Acq: 20 Mar 2018 00:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 27982
 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#

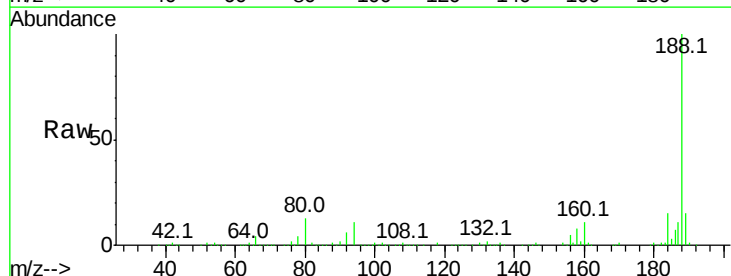


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

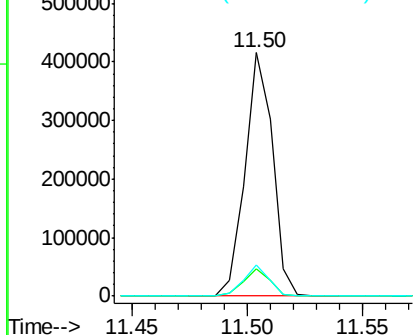
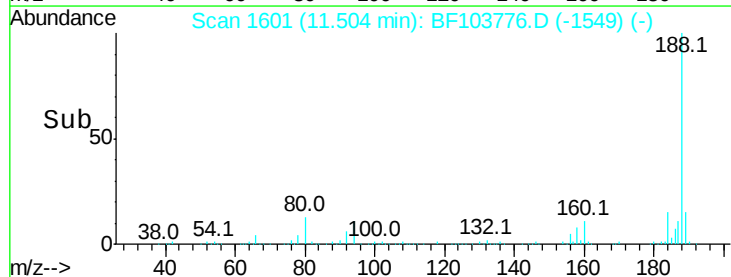


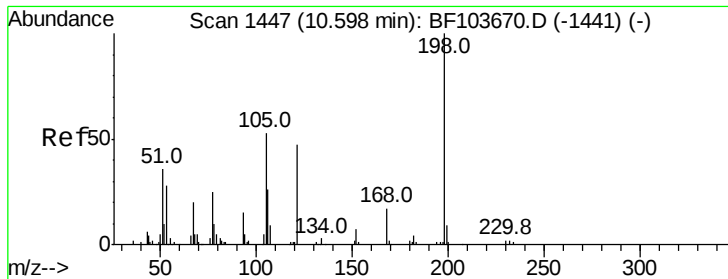
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103776.D
 Acq: 20 Mar 2018 00:32

Tgt Ion:188 Resp: 347771
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.7 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: 8.571 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

Instrument :

BNA_F

ClientSampled :

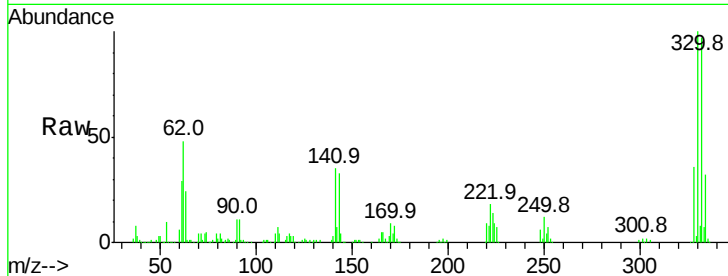
Tot Ion:198 Resp: 527

Ion Ratio Lower Upper

198 100

51 143.1 37.7 77.7#

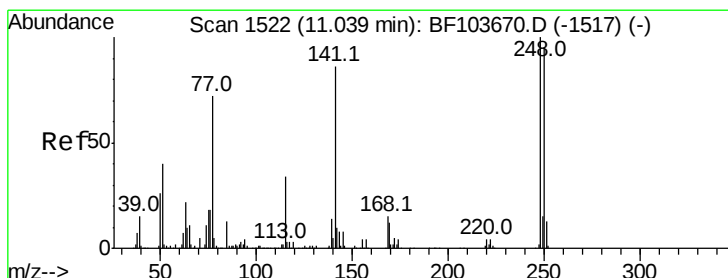
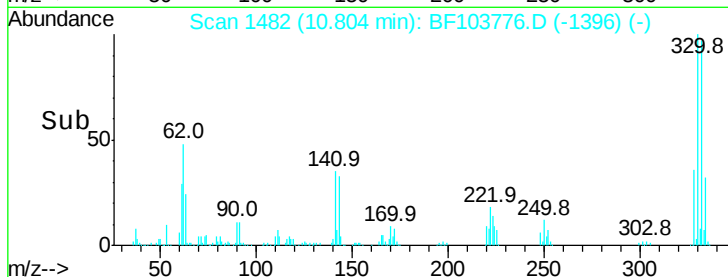
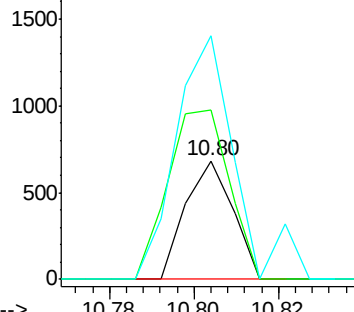
105 205.1 36.3 76.3#



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: 4.476 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

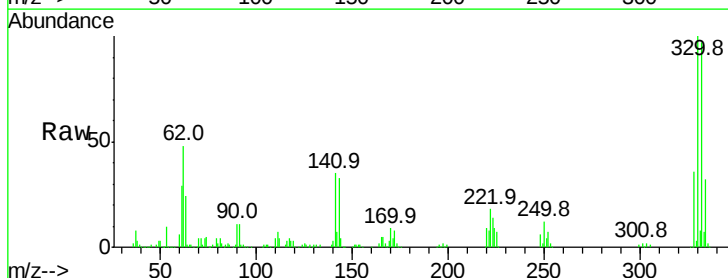
Tgt Ion:248 Resp: 15984

Ion Ratio Lower Upper

248 100

250 189.4 76.9 115.3#

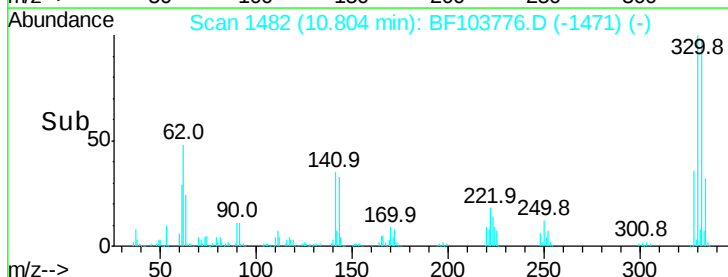
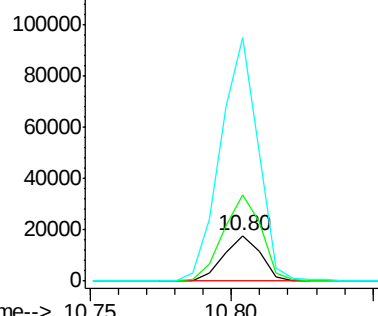
141 536.0 74.4 111.6#

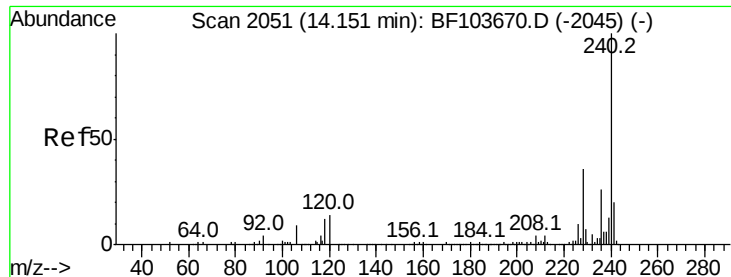


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

Instrument :

BNA_F

ClientSampleId :

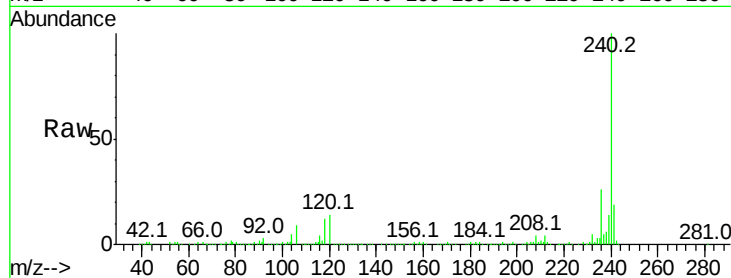
Tot Ion:240 Resp: 298077

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

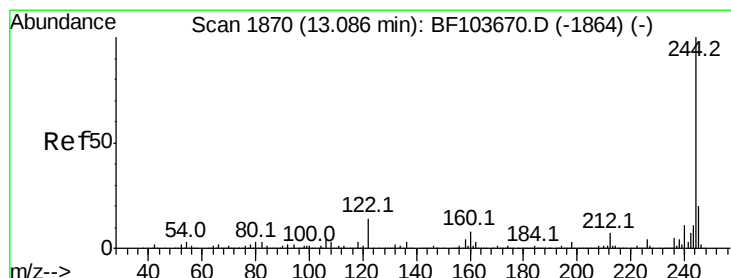
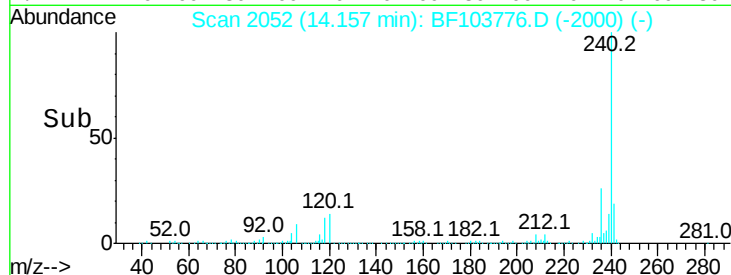
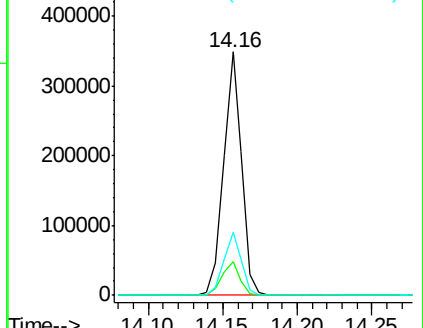
236 25.7 20.7 31.1



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: 71.019 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103776.D

Acq: 20 Mar 2018 00:32

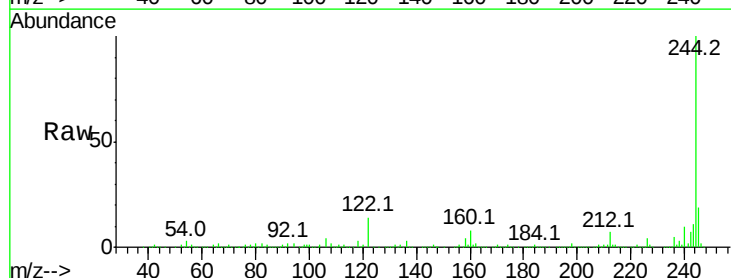
Tgt Ion:244 Resp: 912017

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

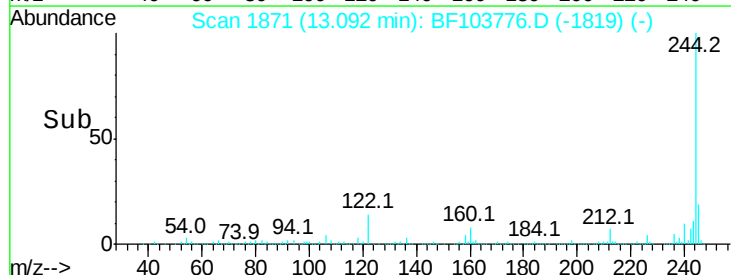
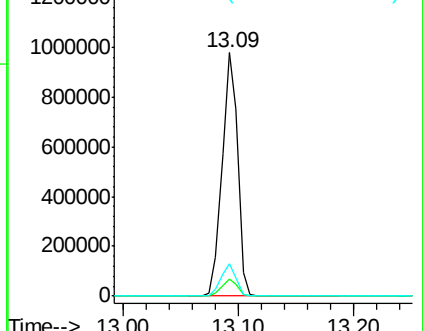
122 13.5 11.0 16.4

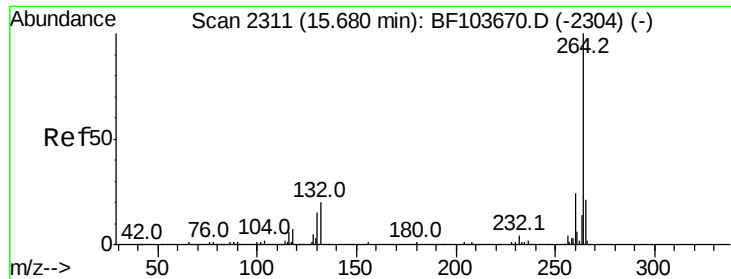


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

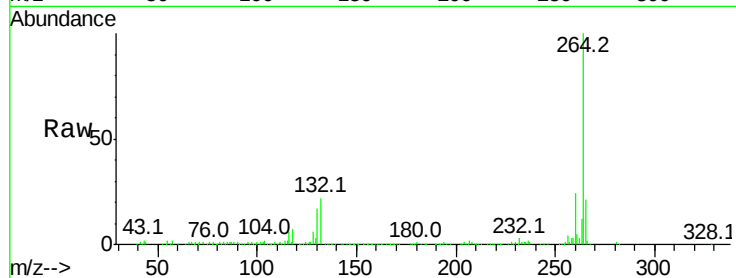




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.02 min
Lab File: BF103776.D
Acq: 20 Mar 2018 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	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

