

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103752.D
 Acq On : 19 Mar 2018 13:04
 Operator : JU/SJ
 Sample : J1750-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 16:48:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 10:47:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	166215	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	679241	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	325452	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	587761	20.00	ng	0.00
75) Chrysene-d12	14.16	240	517506	20.00	ng	0.00
86) Perylene-d12	15.69	264	432062	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1351951	123.71	ng	0.02
7) Phenol-d6	6.60	99	1627835	121.76	ng	0.00
23) Nitrobenzene-d5	7.53	82	1074945	110.36	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	438100	156.56	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1728816	84.74	ng	0.00
78) Terphenyl-d14	13.10	244	1878649	84.26	ng	0.00

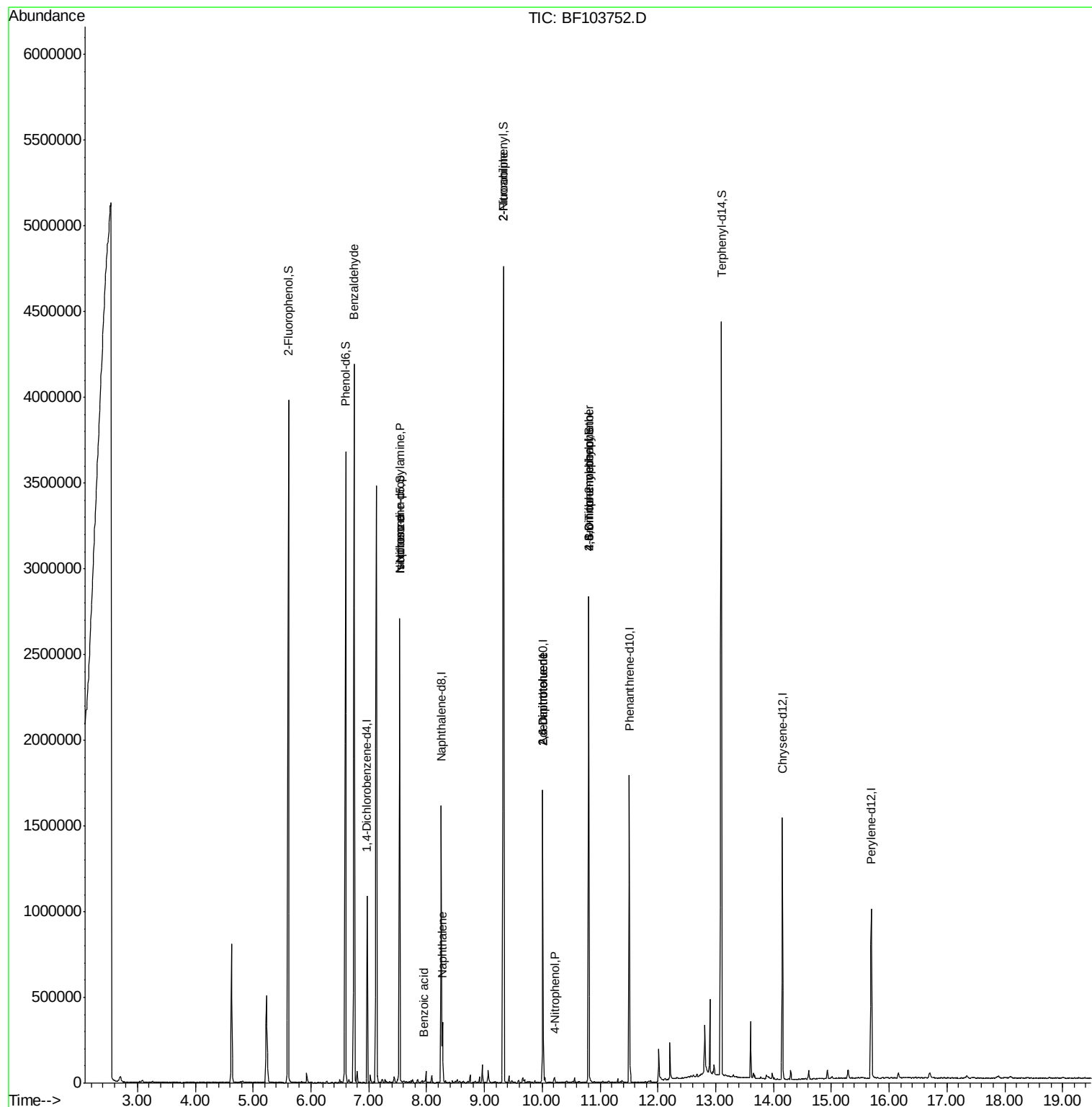
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	29928	3.407	ng	82
19) n-Nitroso-di-n-propylamine	7.53	70	141412	16.504	ng	# 74
25) Isophorone	7.53	82	1074936	47.673	ng	# 64
31) Naphthalene	8.27	128	139881	4.077	ng	99
32) Benzoic acid	7.95	122	1220	10.047	ng	89
47) 2-Nitroaniline	9.33	65	2988	7.269	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	42819	12.158	ng	# 25
55) 4-Nitrophenol	10.22	139	3512	5.694	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	42819	12.339	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	1010	8.631	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	25837	4.281	ng	# 1

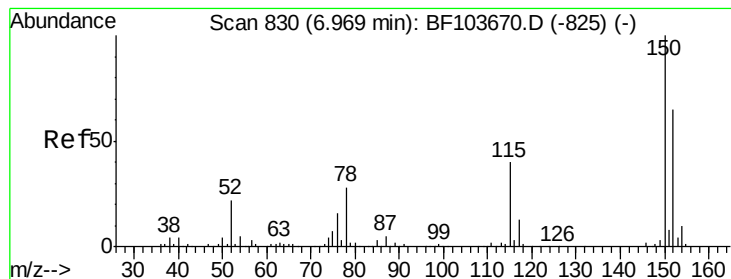
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031918\
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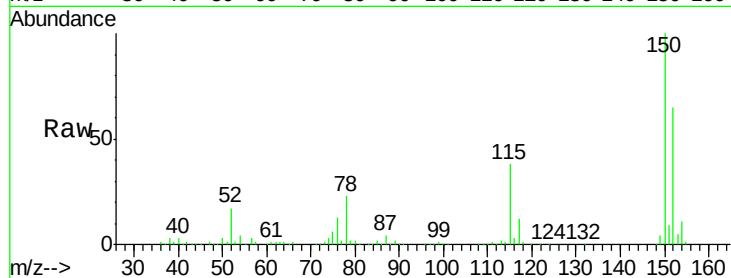


#1

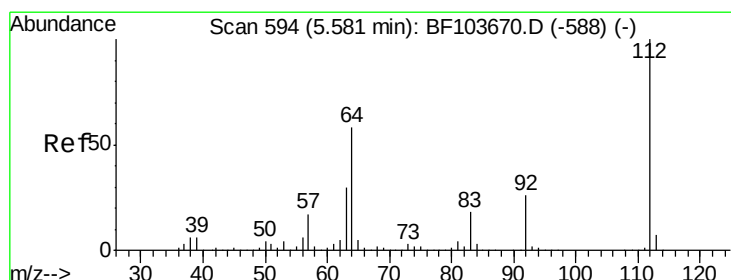
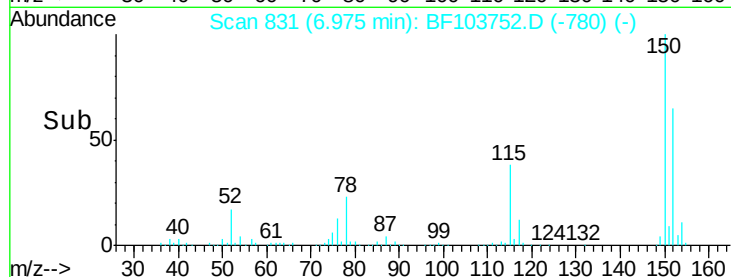
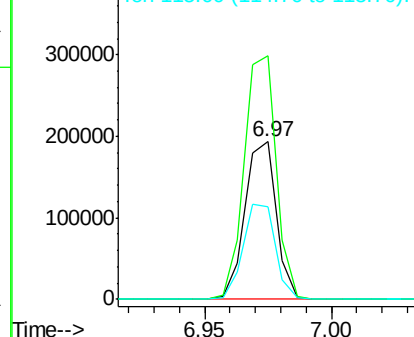
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166215
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 58.6 50.1 75.1



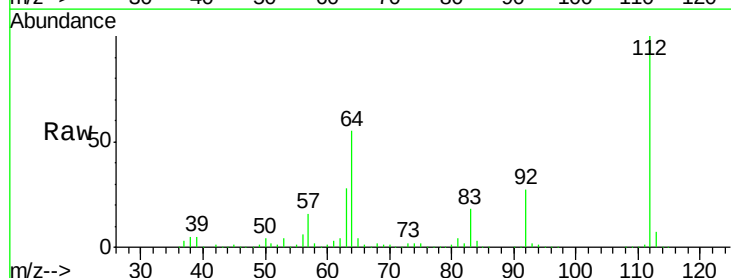
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



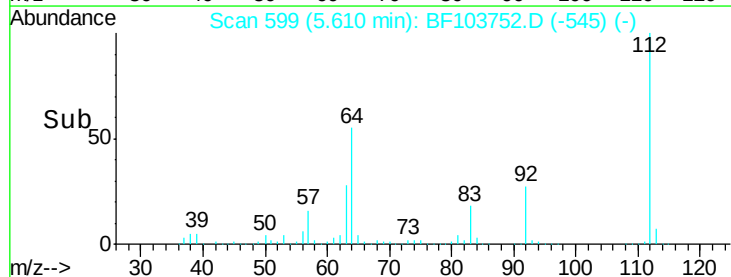
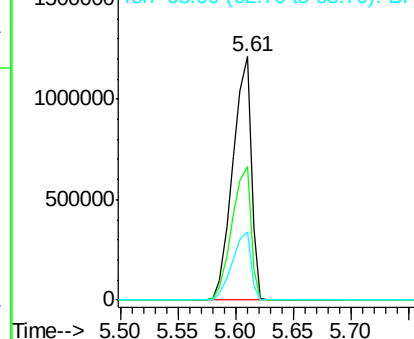
#5

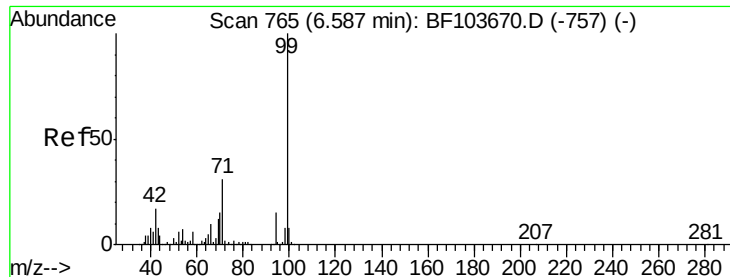
2-Fluorophenol
Concen: 123.714 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

Tgt Ion:112 Resp: 1351951
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 27.9 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: 121.756 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

Instrument :

BNA_F

ClientSampleId :

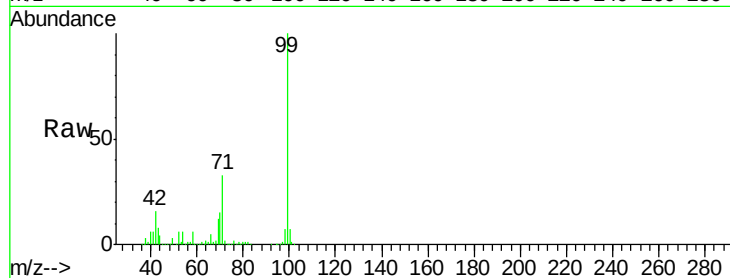
Tot Ion: 99 Resp: 1627835

Ion Ratio Lower Upper

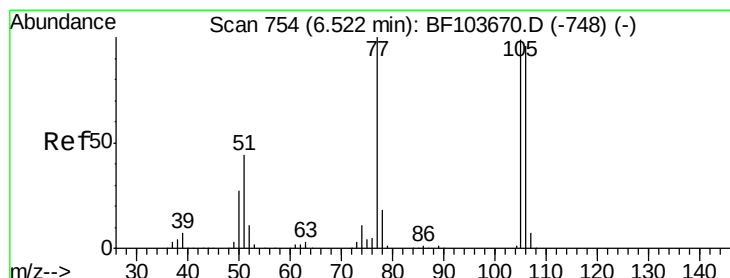
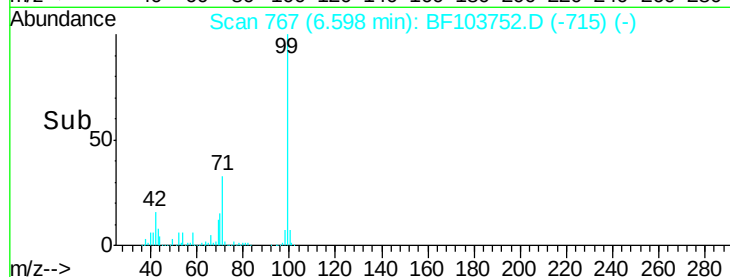
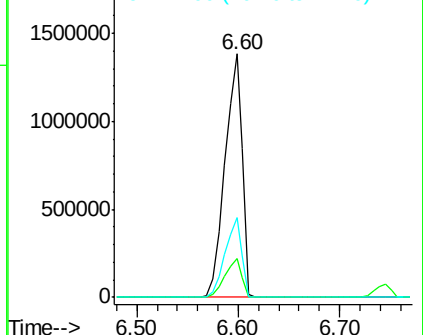
99 100

42 16.0 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: 3.407 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

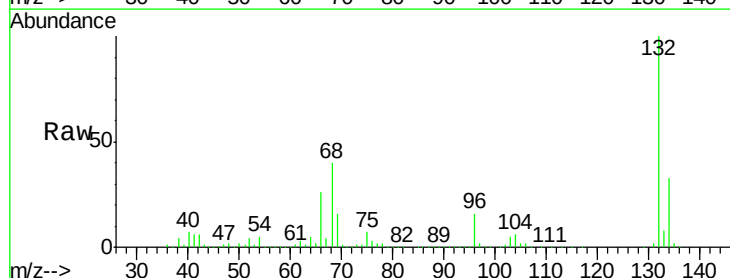
Tgt Ion: 77 Resp: 29928

Ion Ratio Lower Upper

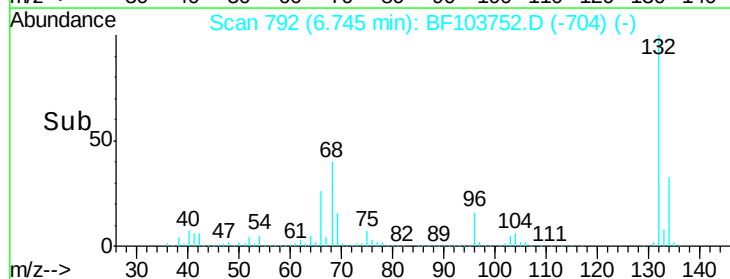
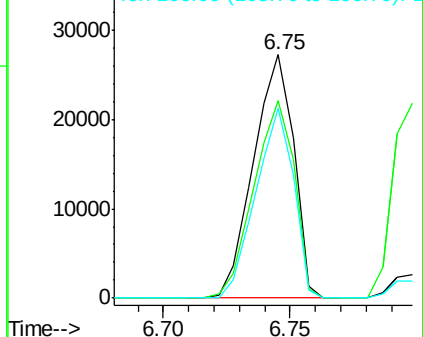
77 100

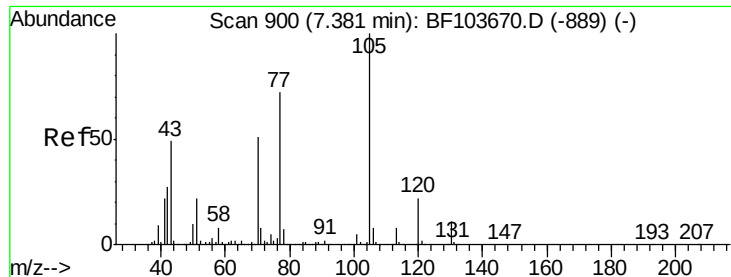
105 81.2 81.1 121.1

106 78.0 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

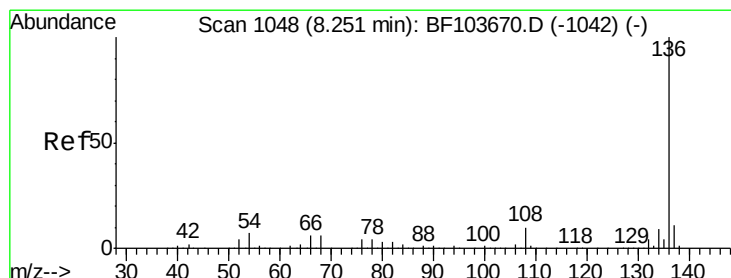
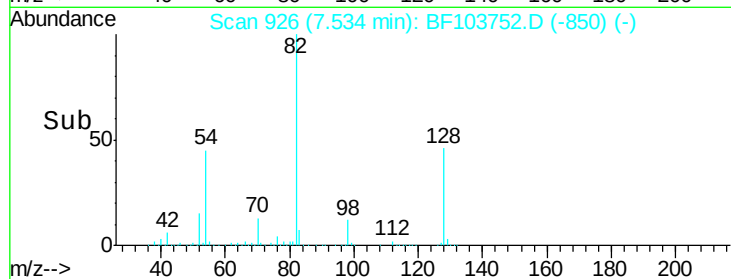
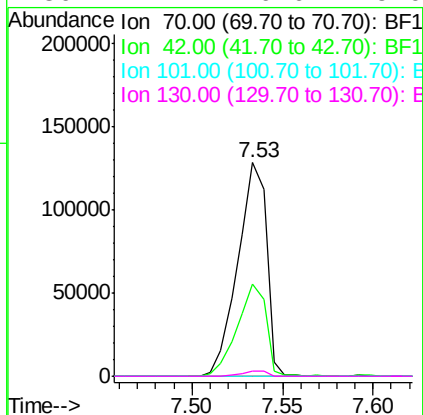
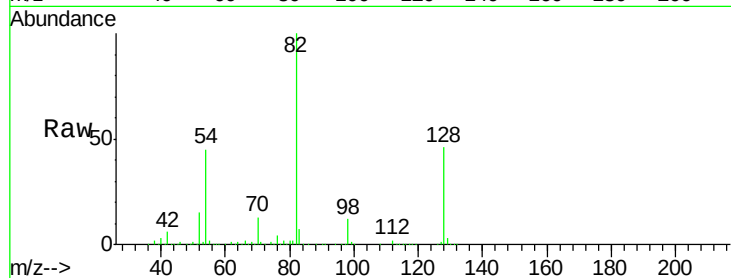




#19
n-Nitroso-di-n-propylamine
Concen: 16.504 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

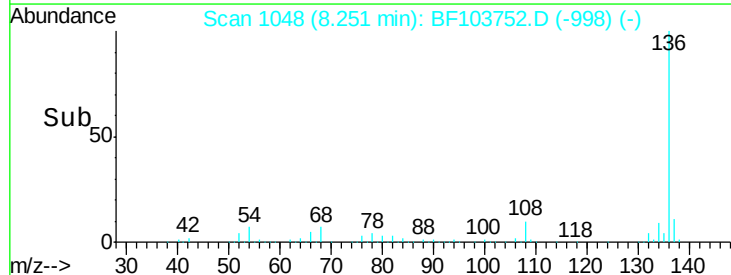
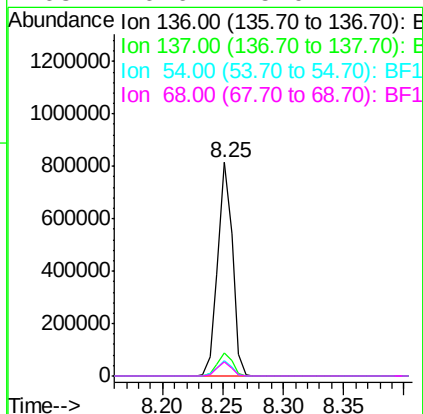
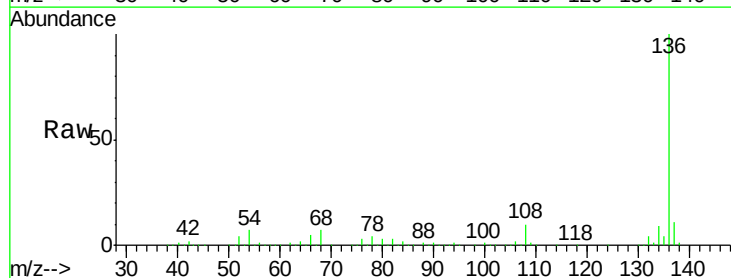
Instrument :
BNA_F
ClientSampleId :

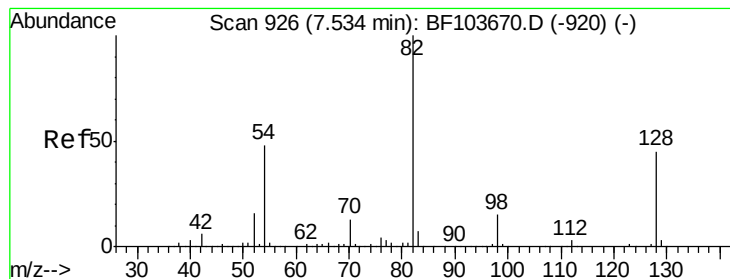
Tot Ion: 70 Resp: 141412
Ion Ratio Lower Upper
70 100
42 43.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

Tgt Ion: 136 Resp: 679241
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 6.6 9.8
68 6.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 110.362 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

Instrument :

BNA_F

ClientSampleId :

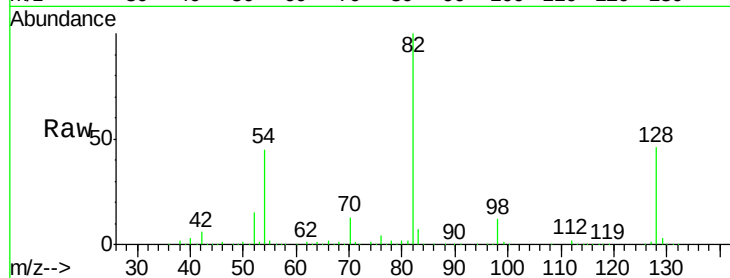
Tot Ion: 82 Resp: 1074945

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

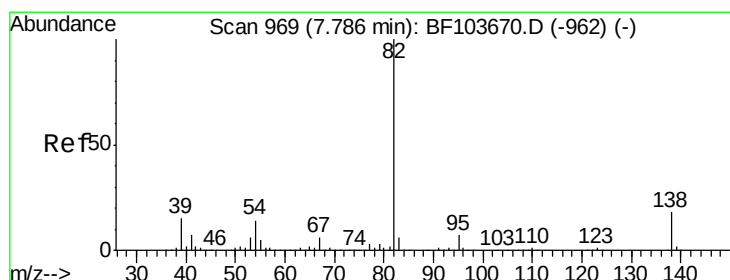
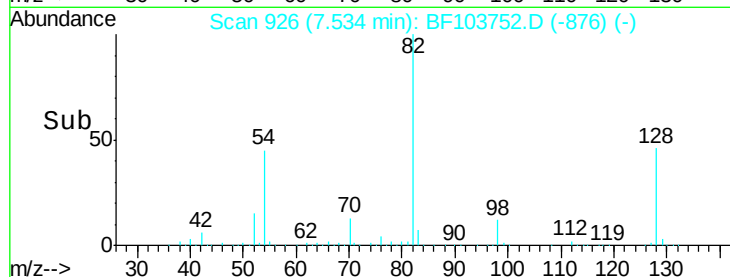
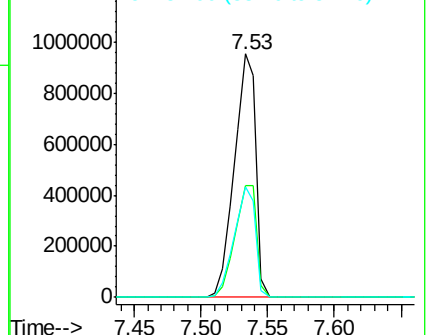
54 45.3 41.4 62.2



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: 47.673 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

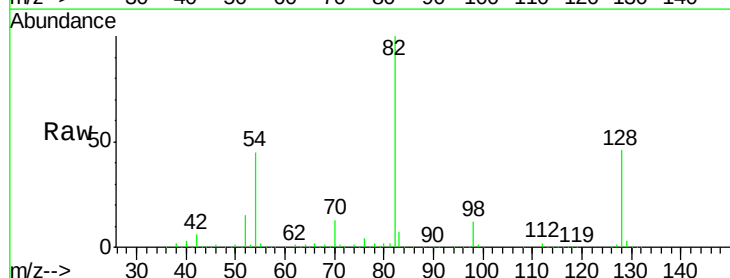
Tgt Ion: 82 Resp: 1074936

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

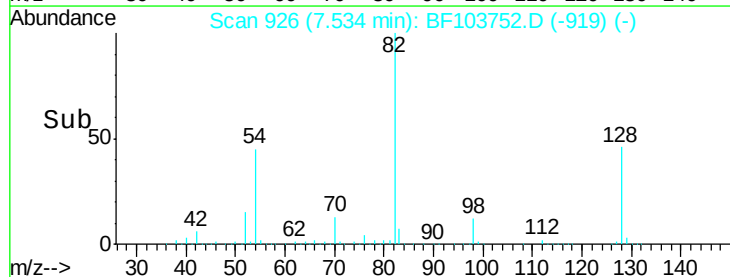
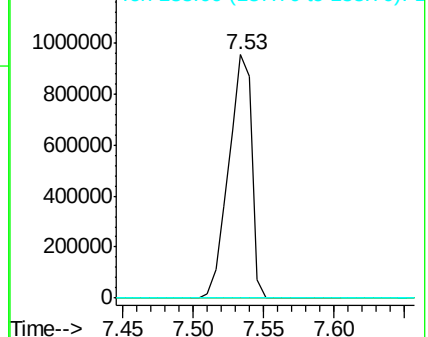
138 0.0 14.9 22.3#

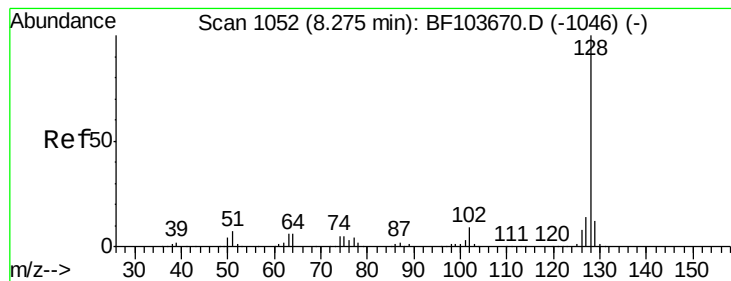


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 4.077 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

Instrument :

BNA_F

ClientSampleId :

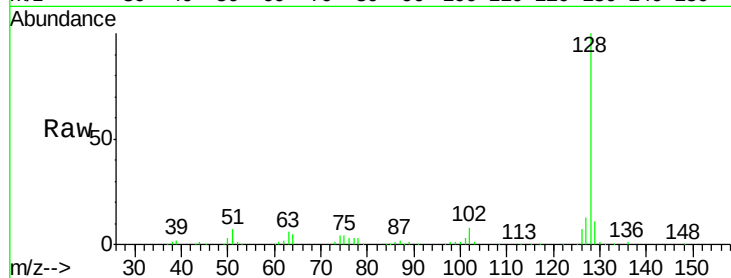
Tot Ion:128 Resp: 139881

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

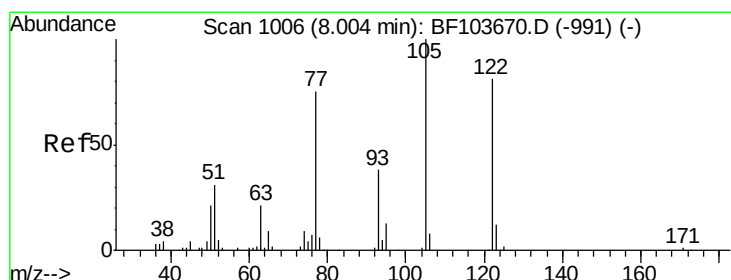
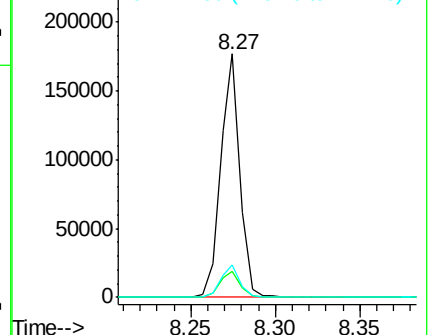
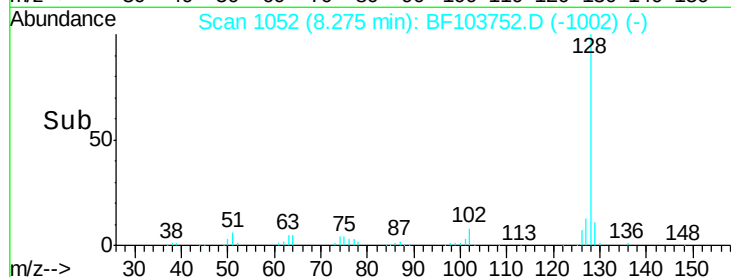
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.047 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.06 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

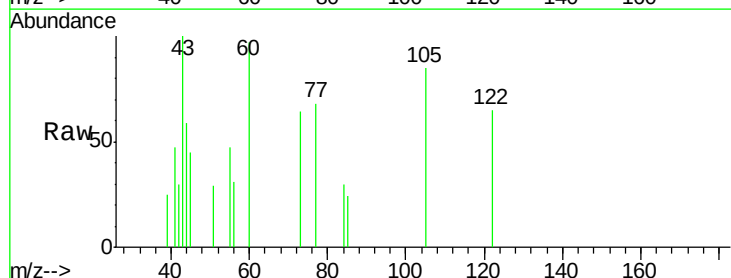
Tgt Ion:122 Resp: 1220

Ion Ratio Lower Upper

122 100

105 131.1 101.1 141.1

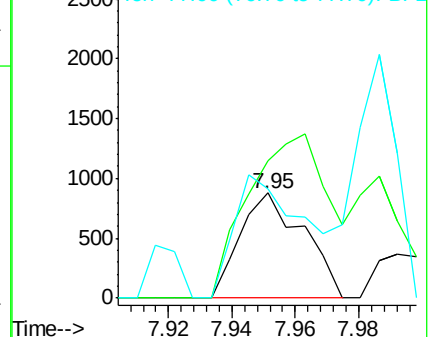
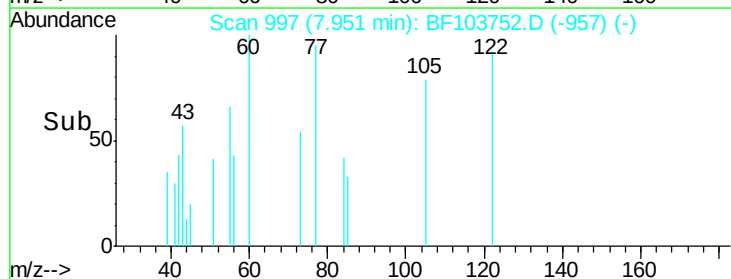
77 104.2 70.7 110.7

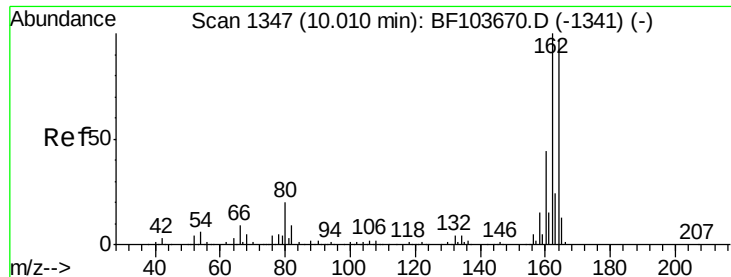


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

Instrument :

BNA_F

ClientSampled :

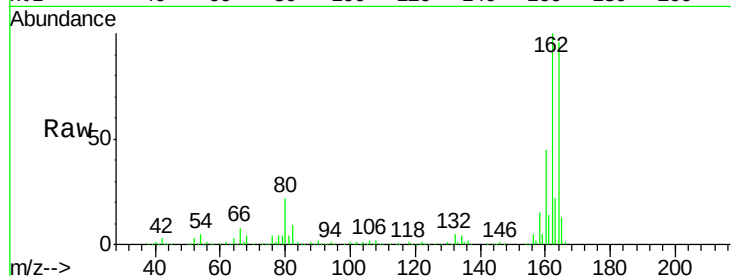
Tot Ion:164 Resp: 325452

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

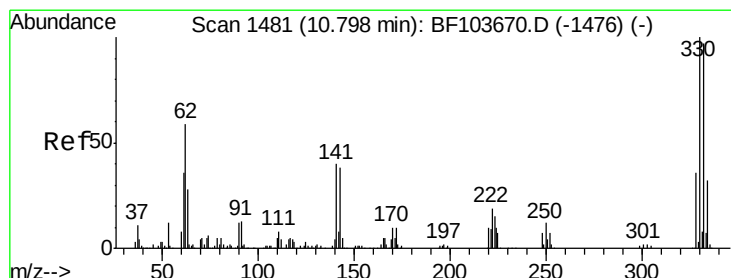
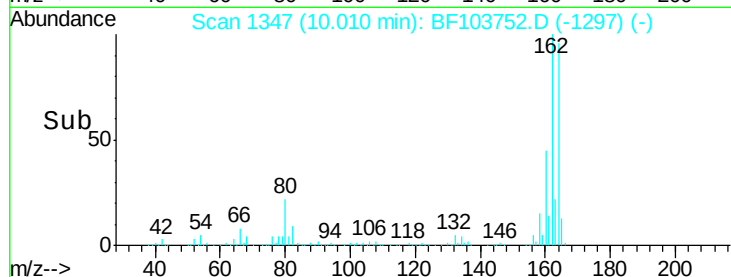
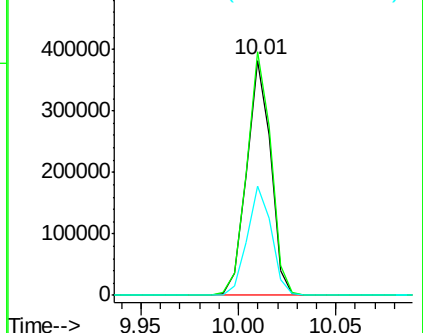
160 46.3 38.3 57.5



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: 156.562 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

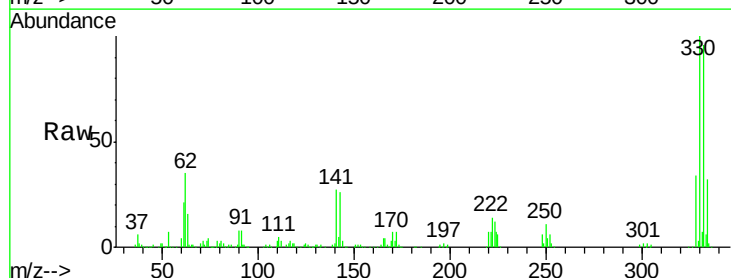
Tgt Ion:330 Resp: 438100

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

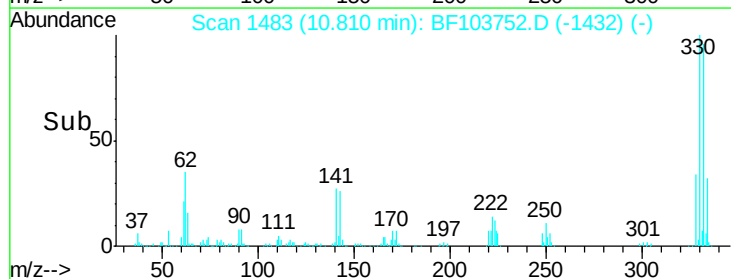
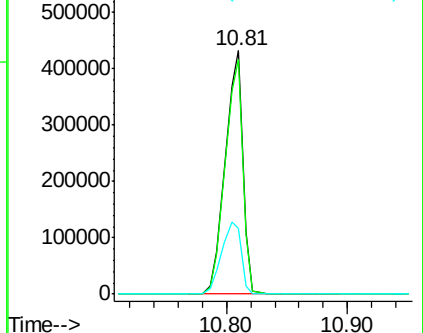
141 32.9 29.9 44.9

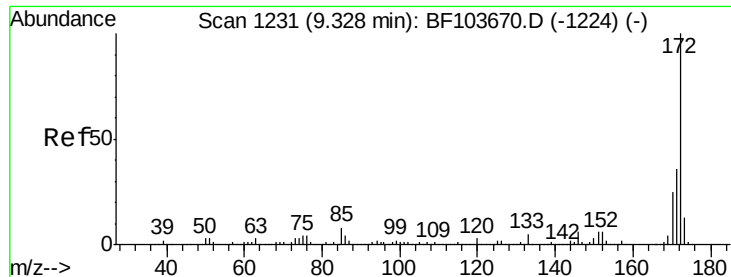


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

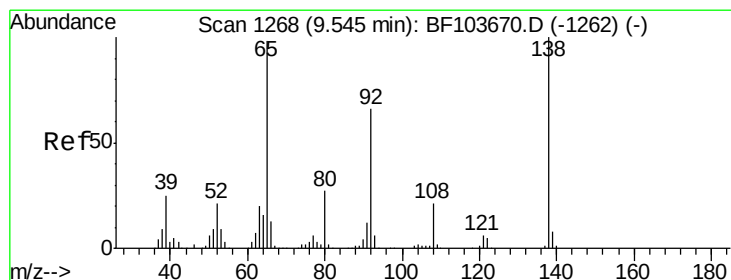
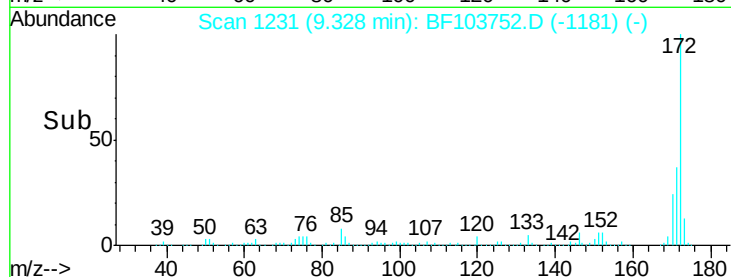
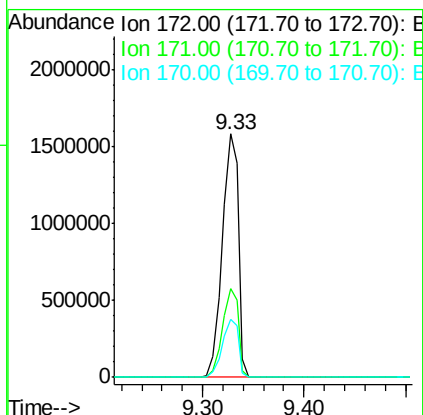
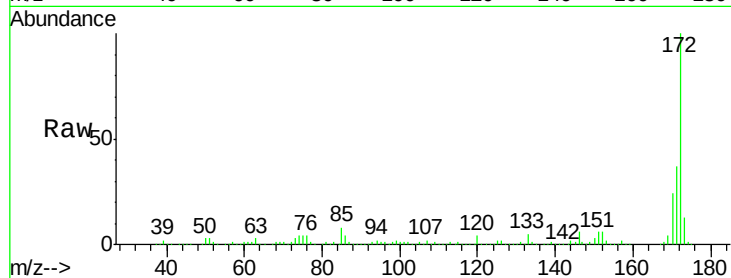




#44
2-Fluorobiphenyl
Concen: 84.735 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

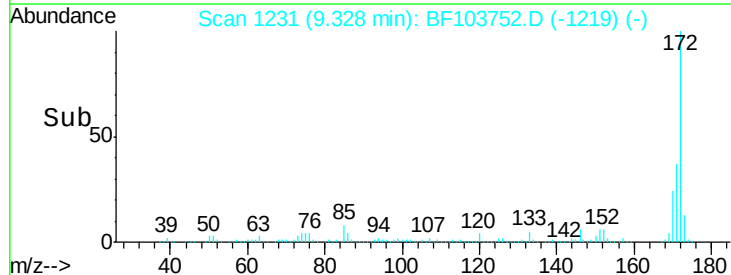
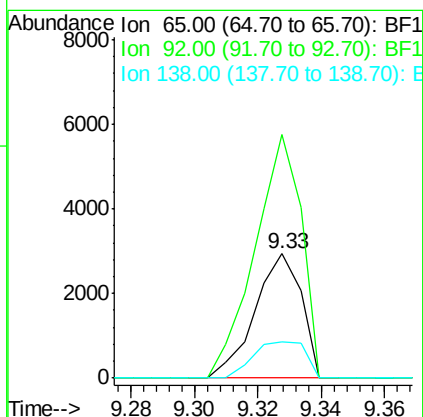
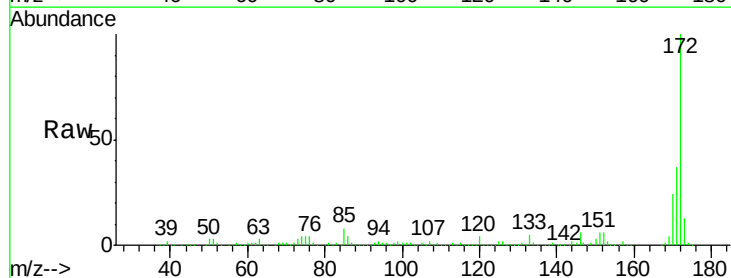
Instrument :
BNA_F
ClientSampleId :

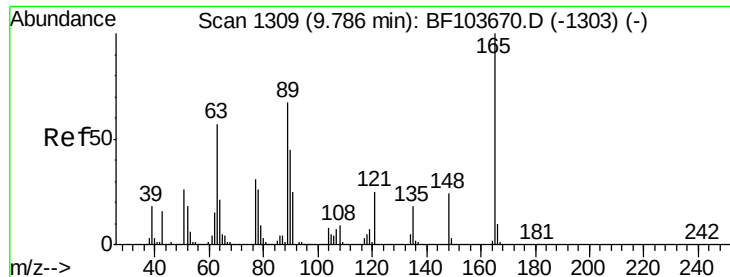
Tot Ion:172 Resp: 1728816
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.0 19.6 29.4



#47
2-Nitroaniline
Concen: 7.269 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.23 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

Tgt Ion: 65 Resp: 2988
Ion Ratio Lower Upper
65 100
92 196.0 55.8 83.6#
138 28.7 91.2 136.8#

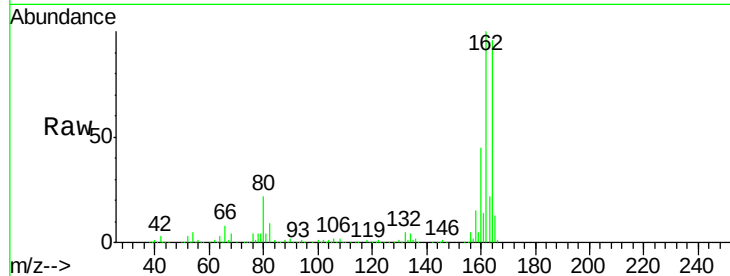




#50
2,6-Dinitrotoluene
Concen: 12.158 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

Instrument :
BNA_F
ClientSampleId :

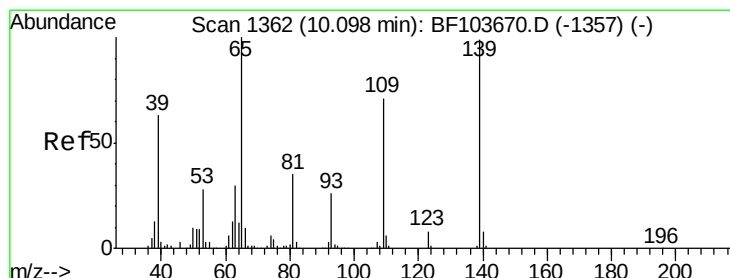
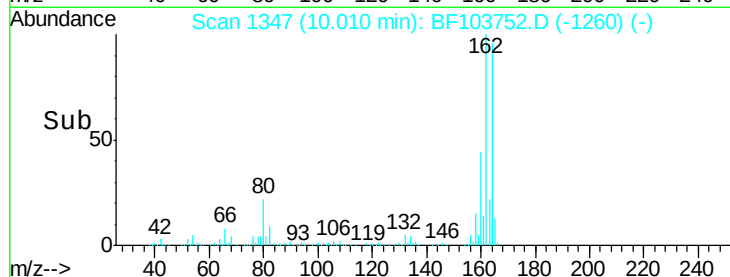
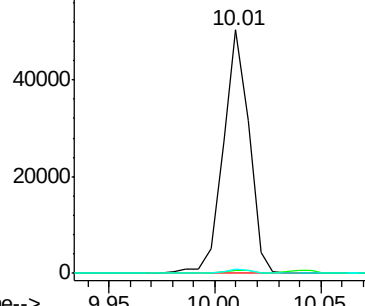
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.5	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

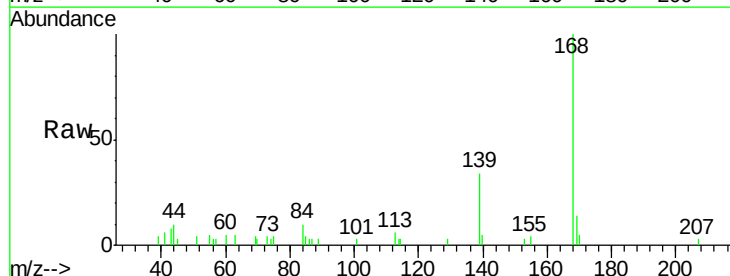
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#55
4-Nitrophenol
Concen: 5.694 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.10 min
Lab File: BF103752.D
Acq: 19 Mar 2018 13:04

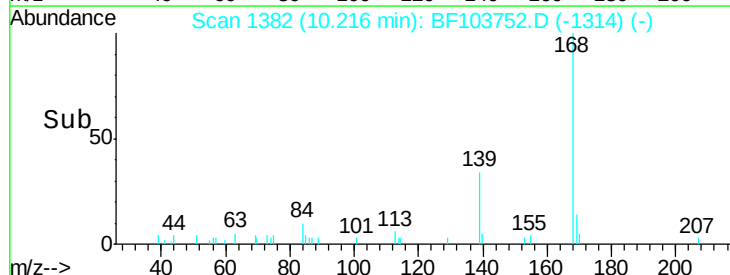
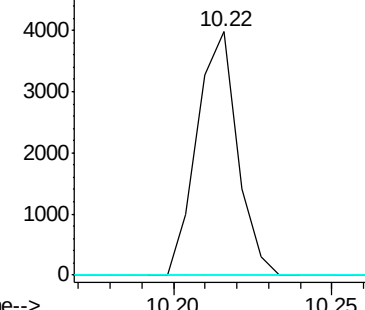
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

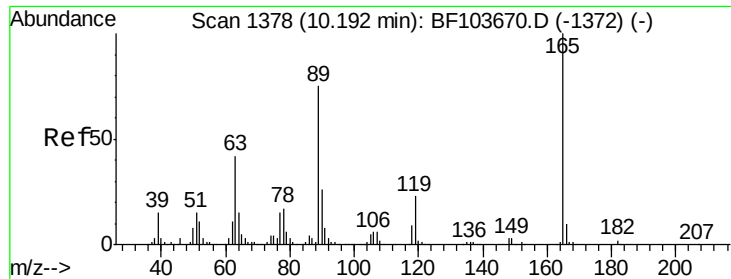


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

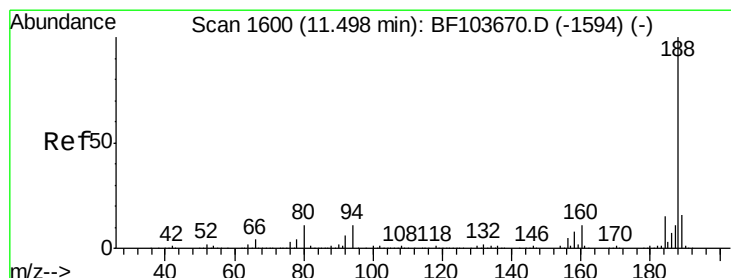
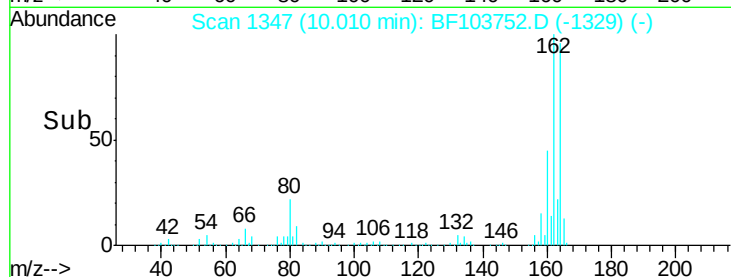
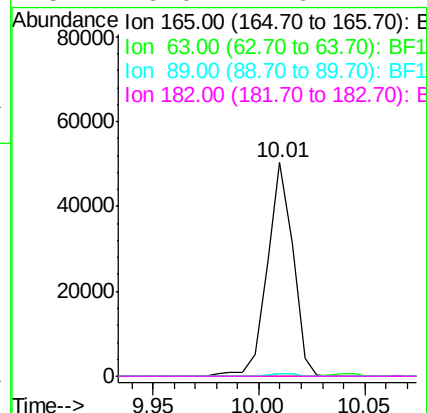
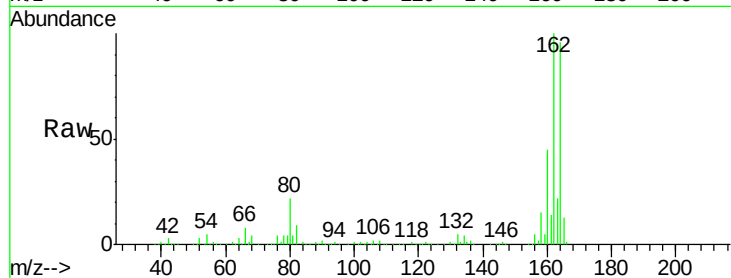




#56
 2,4-Dinitrotoluene
 Concen: 12.339 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.19 min
 Lab File: BF103752.D
 Acq: 19 Mar 2018 13:04

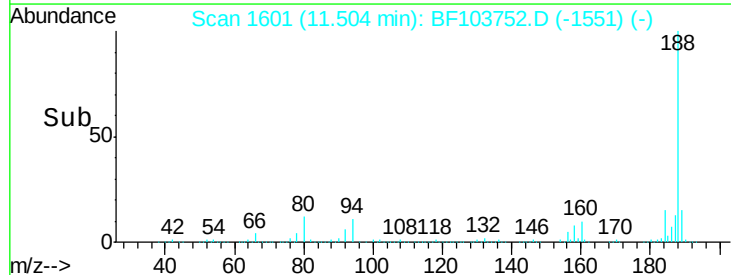
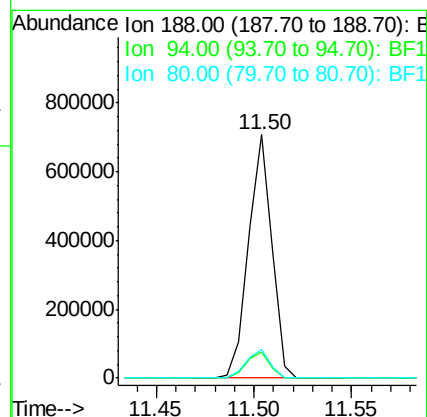
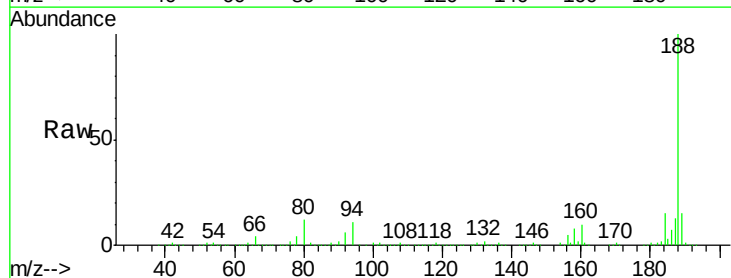
Instrument :
 BNA_F
 ClientSampleId :

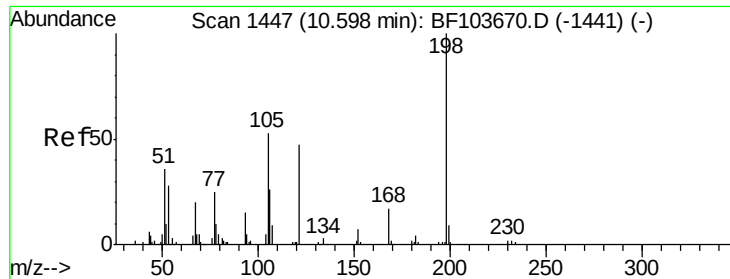
Tot Ion:	165	Resp:	42819
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103752.D
 Acq: 19 Mar 2018 13:04

Tgt Ion:	188	Resp:	587761
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.7	9.2	13.8

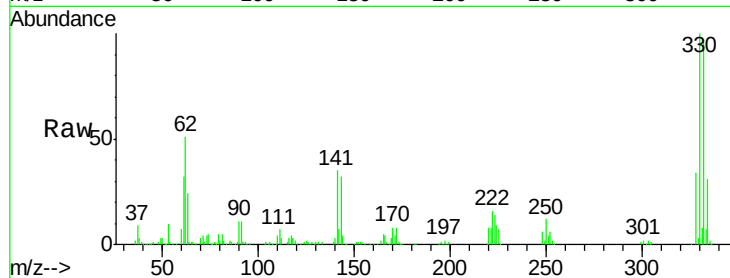




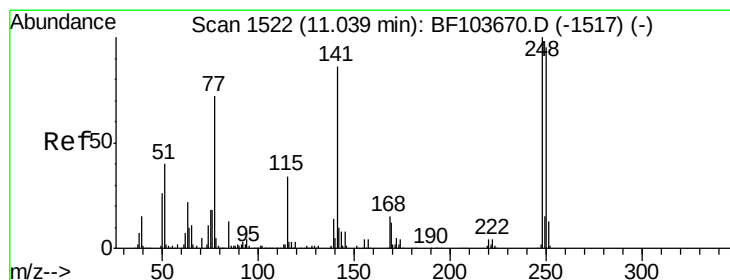
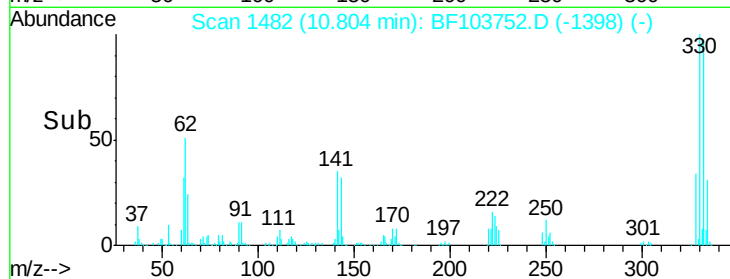
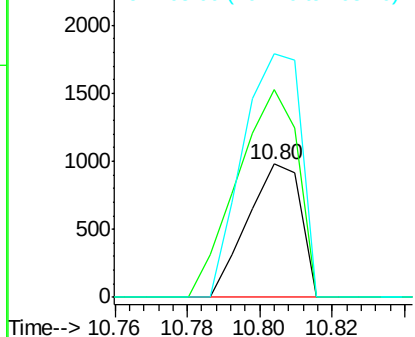
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.631 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103752.D
 Acq: 19 Mar 2018 13:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 1010
 Ion Ratio Lower Upper
 198 100
 51 155.9 37.7 77.7#
 105 182.7 36.3 76.3#

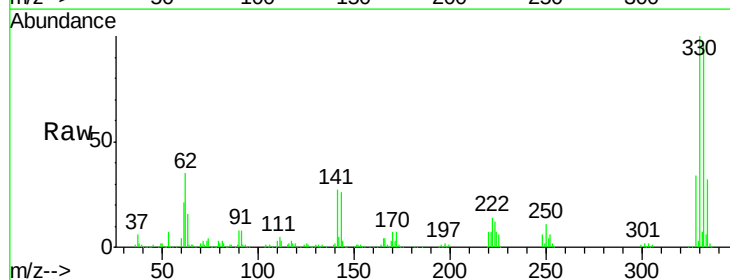


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

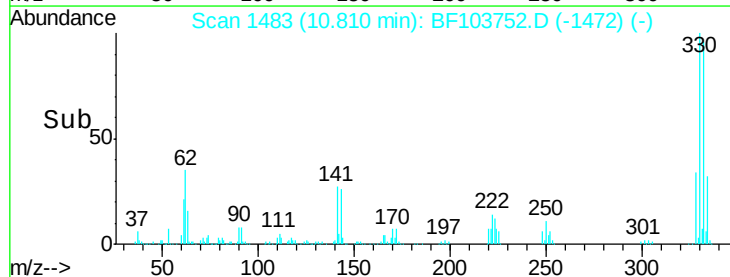
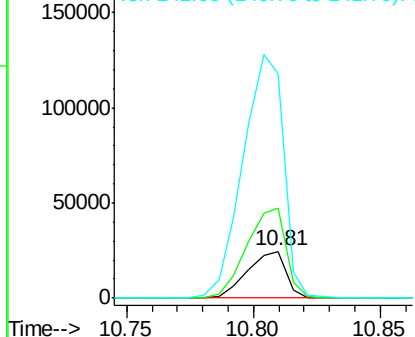


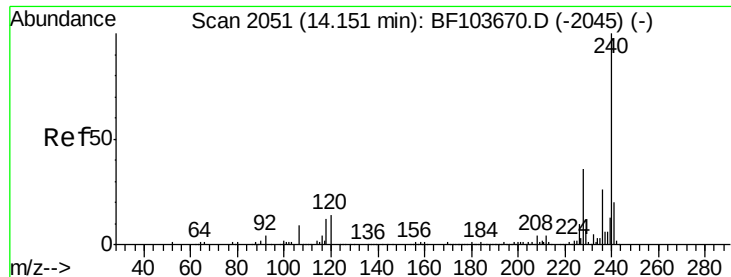
#66
 4-Bromophenyl-phenylether
 Concen: 4.281 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.24 min
 Lab File: BF103752.D
 Acq: 19 Mar 2018 13:04

Tgt Ion:248 Resp: 25837
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 479.0 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: BF103752.D

Acq: 19 Mar 2018 13:04

Instrument :

BNA_F

ClientSampleId :

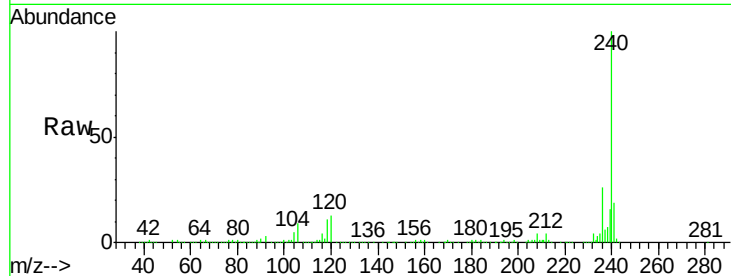
Tot Ion:240 Resp: 517506

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

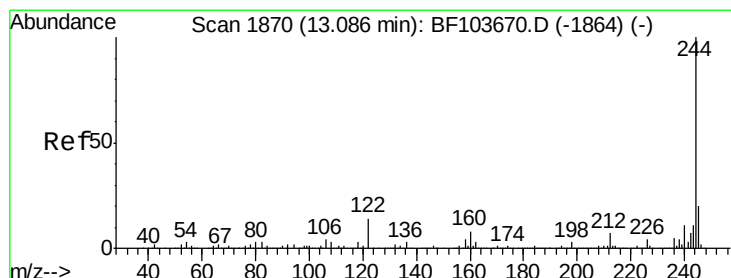
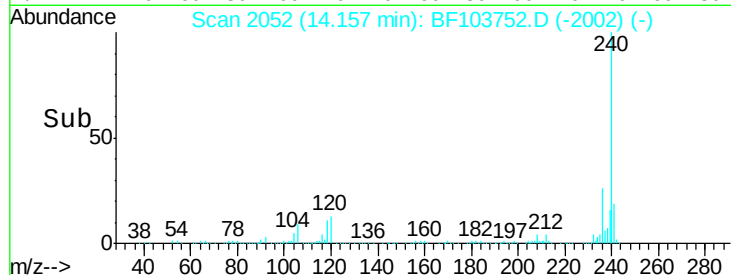
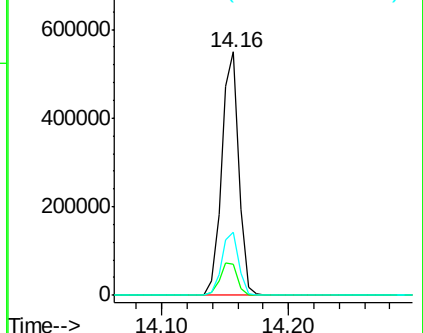
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 84.262 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103752.D

Acq: 19 Mar 2018 13:04

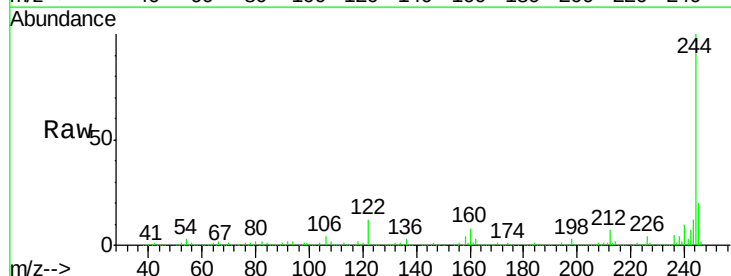
Tgt Ion:244 Resp: 1878649

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

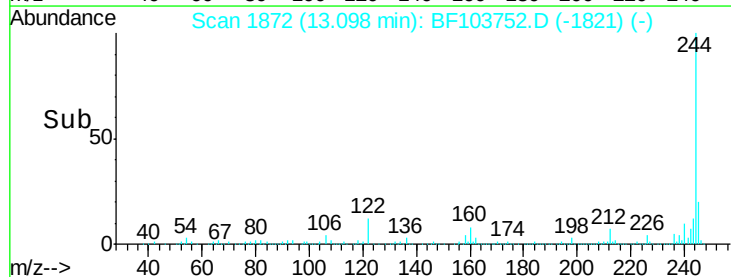
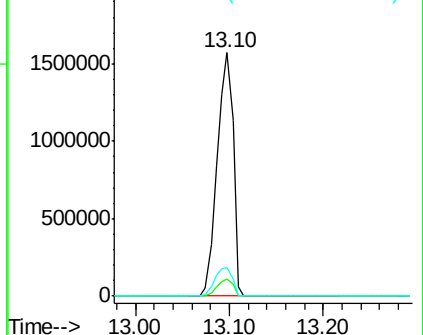
122 11.9 11.0 16.4

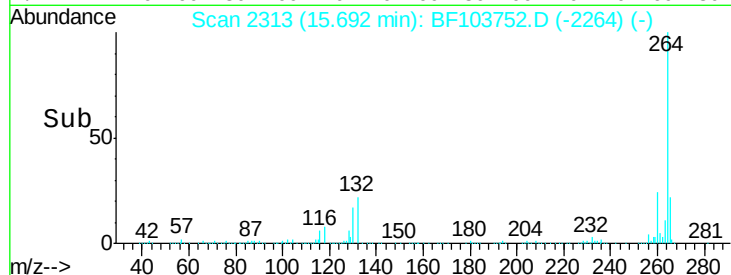
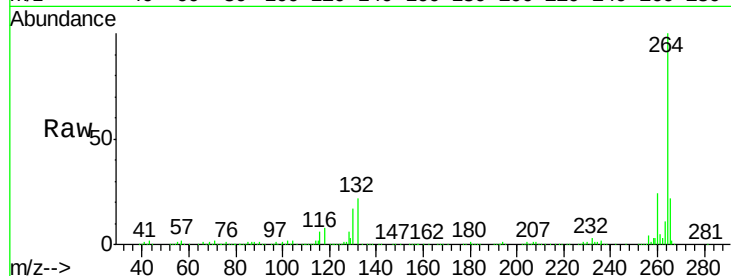
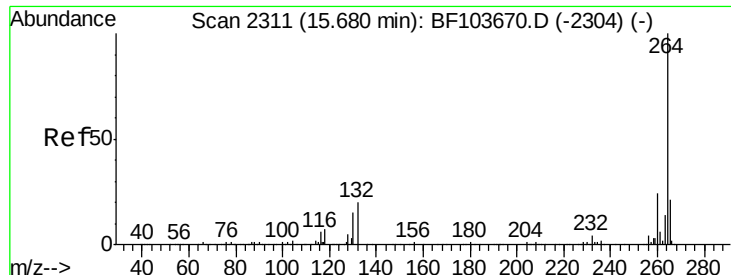


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF103752.D
 Acq: 19 Mar 2018 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	432062
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.2 28.8
265	21.7	17.5 26.3

