

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103740.D
 Acq On : 17 Mar 2018 13:24
 Operator : JU/SJ
 Sample : J1750-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 07:05:10 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

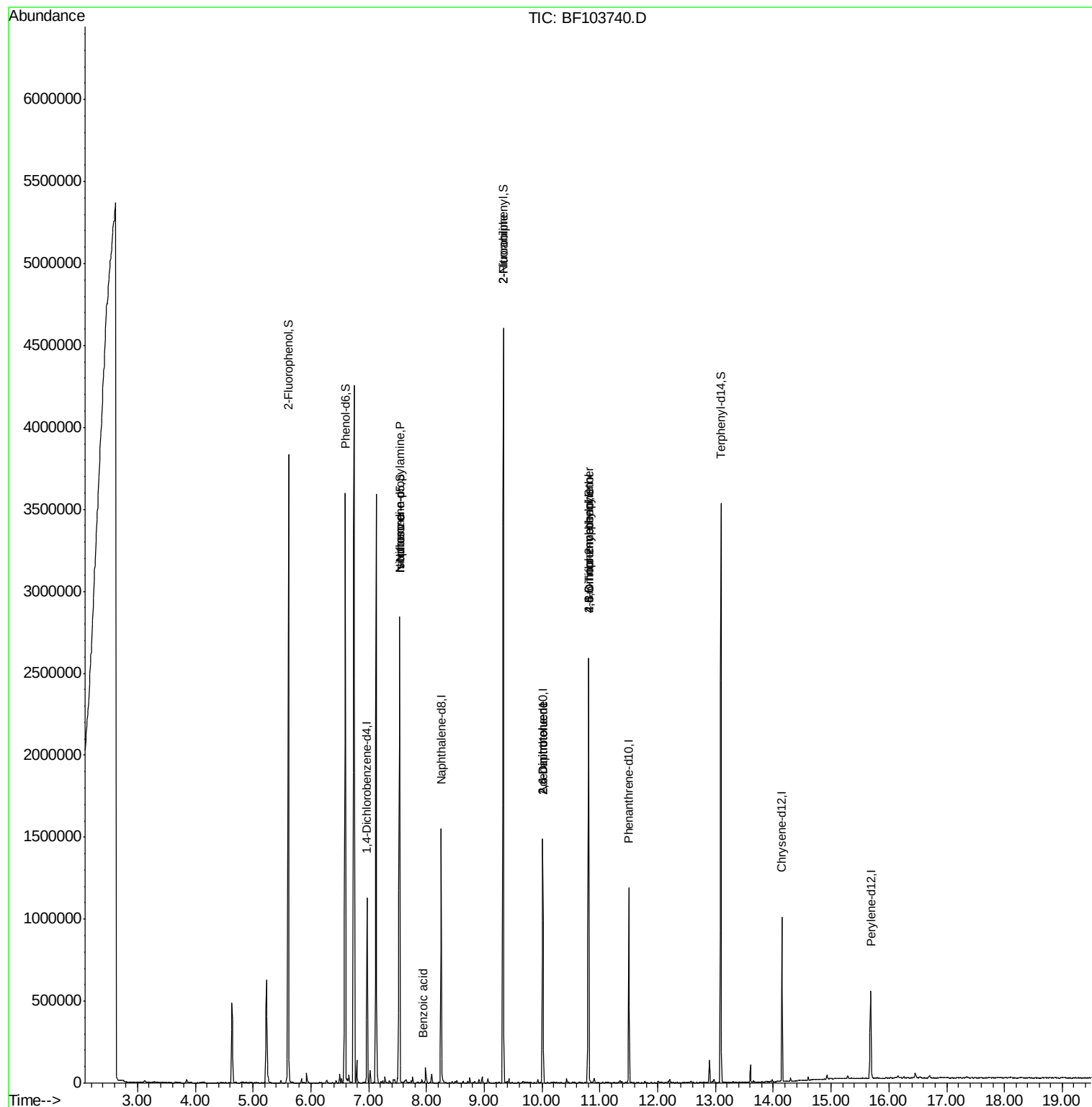
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	163858	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	655350	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	277817	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	401772	20.00	ng	0.00
75) Chrysene-d12	14.15	240	298599	20.00	ng	0.00
86) Perylene-d12	15.69	264	234619	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1315659	122.12	ng	0.03
7) Phenol-d6	6.60	99	1456623	110.52	ng	0.01
23) Nitrobenzene-d5	7.53	82	1069789	113.84	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	331325	138.71	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1685864	96.80	ng	0.00
78) Terphenyl-d14	13.09	244	1219887	94.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	141624	16.767	ng	# 74
25) Isophorone	7.53	82	1069766	49.174	ng	# 64
32) Benzoic acid	7.94	122	731	9.993	ng	# 69
47) 2-Nitroaniline	9.33	65	2860	7.324	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	35584	11.942	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	35584	12.177	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	642	8.595	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	20045	4.859	ng	# 1

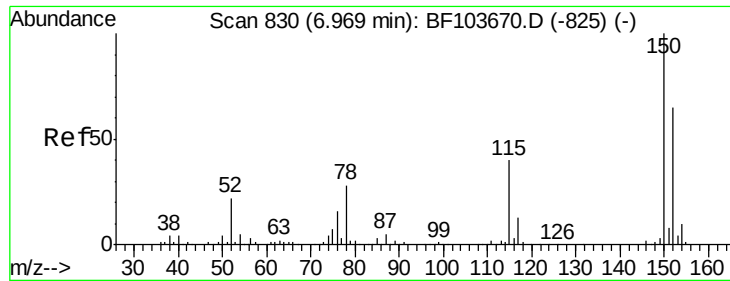
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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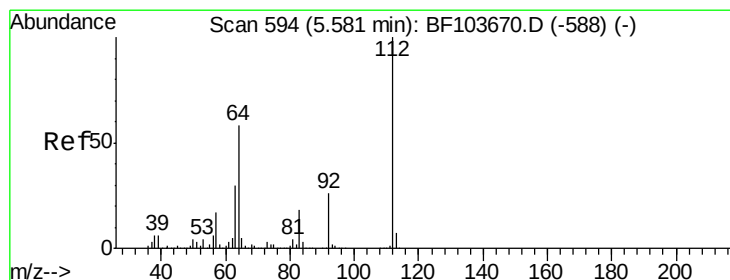
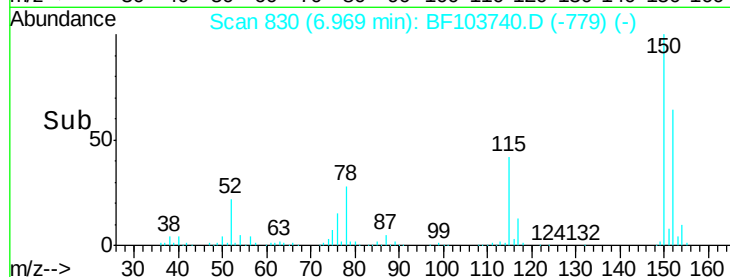
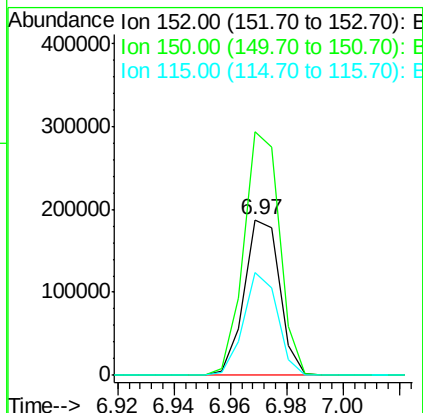
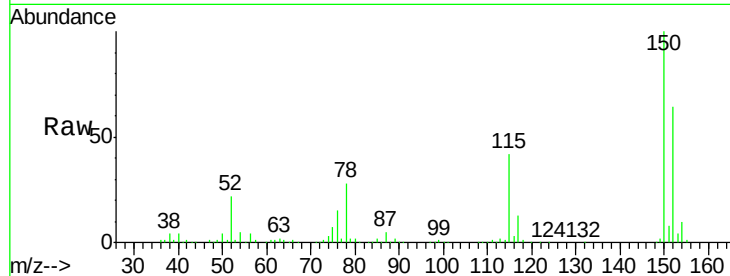


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103740.D
Acq: 17 Mar 2018 13:24

Instrument :
BNA_F
ClientSampleId :

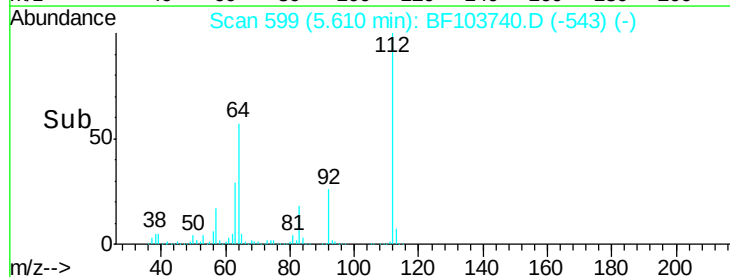
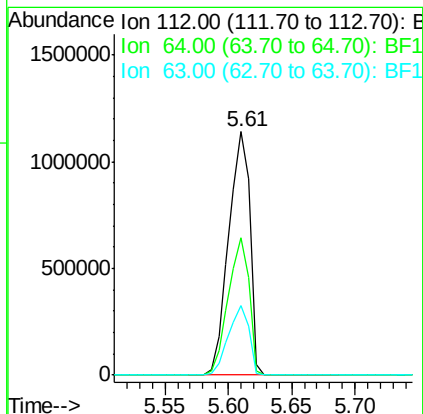
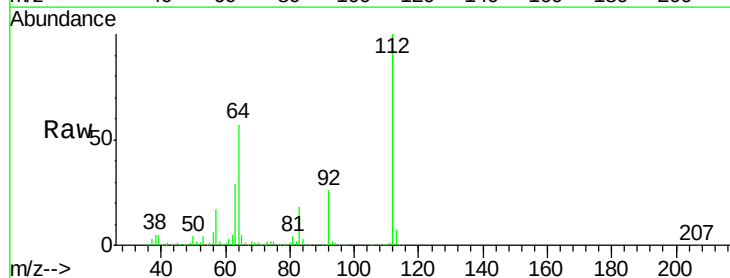
Tot Ion:152 Resp: 163858
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 66.5 50.1 75.1

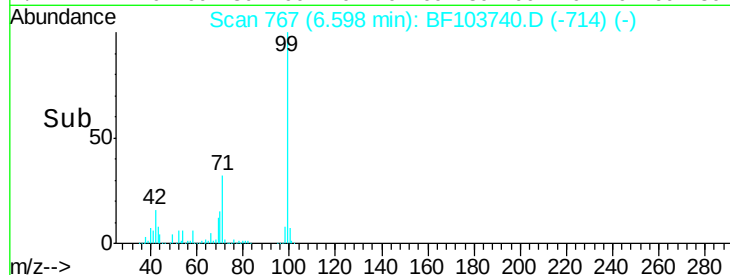
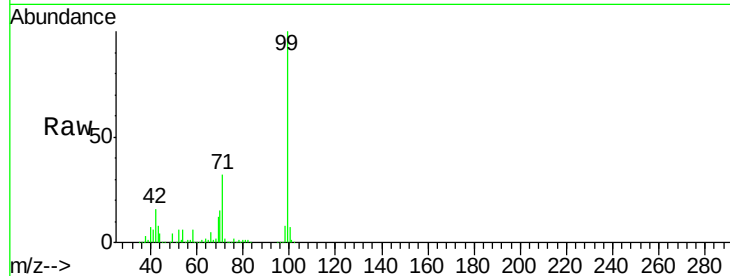
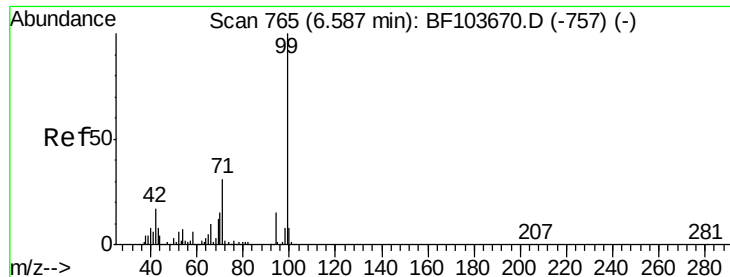


#5

2-Fluorophenol
Concen: 122.125 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.03 min
Lab File: BF103740.D
Acq: 17 Mar 2018 13:24

Tgt Ion:112 Resp: 1315659
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.7 23.7 35.5





#7

Phenol-d6

Concen: 110.517 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103740.D

Acq: 17 Mar 2018 13:24

Instrument :

BNA_F

ClientSampleId :

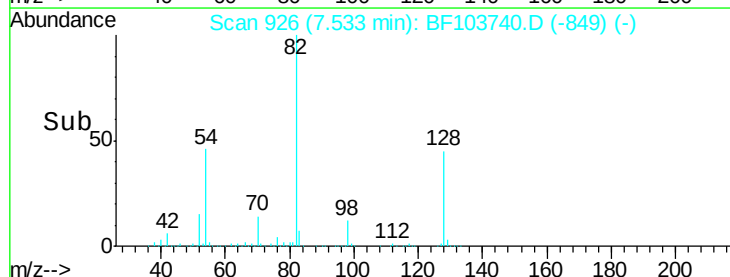
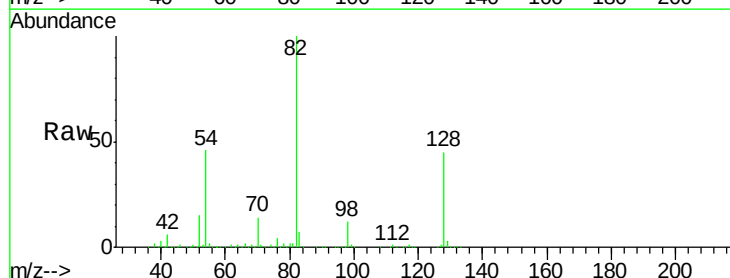
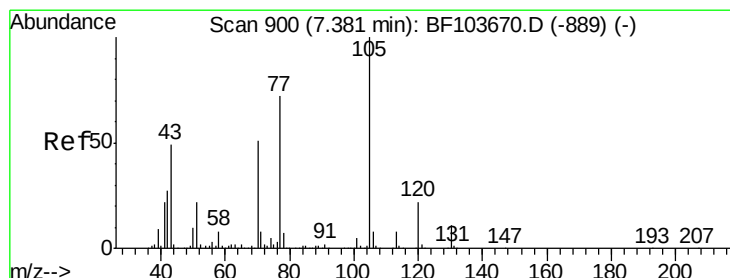
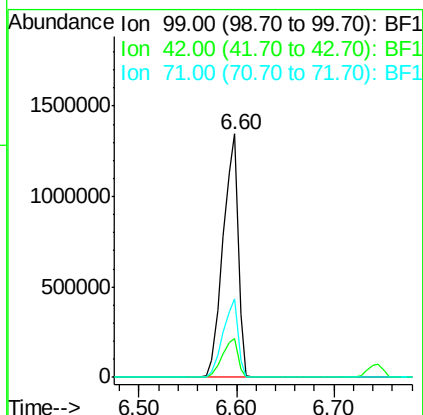
Tot Ion: 99 Resp: 1456623

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.767 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103740.D

Acq: 17 Mar 2018 13:24

Tgt Ion: 70 Resp: 141624

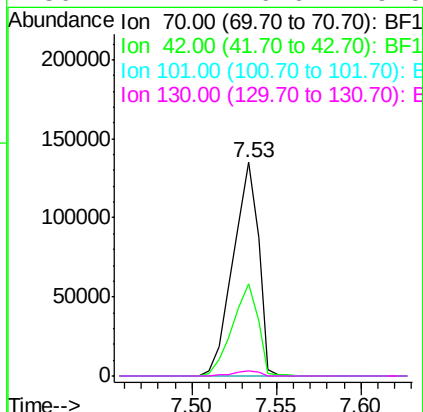
Ion Ratio Lower Upper

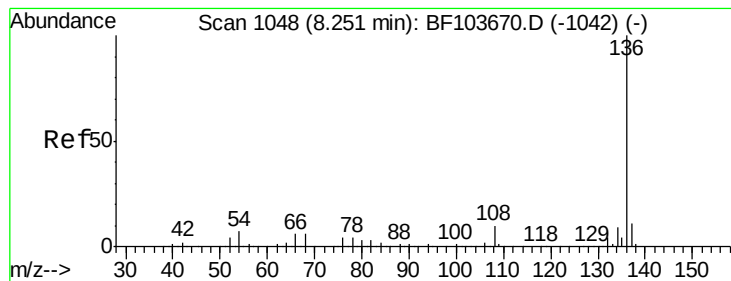
70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 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: BF103740.D

Acq: 17 Mar 2018 13:24

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 655350

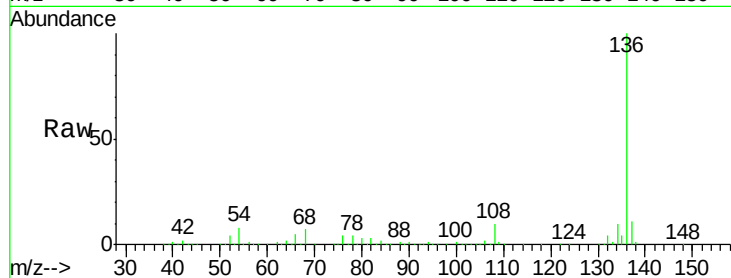
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.5 6.6 9.8

68 6.5 5.0 7.4

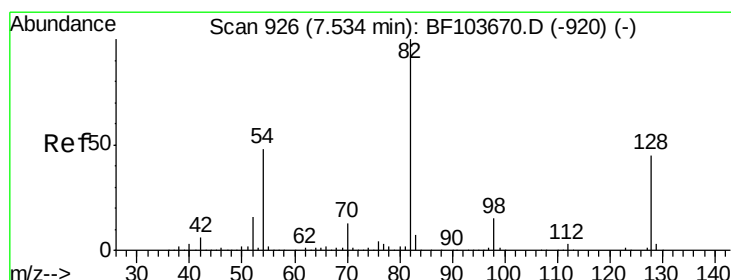
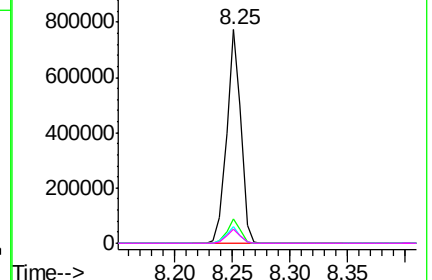
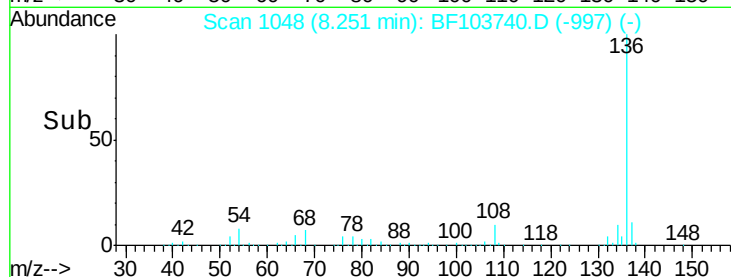


Abundance Ion 136.00 (135.70 to 136.70): E

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: 113.836 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103740.D

Acq: 17 Mar 2018 13:24

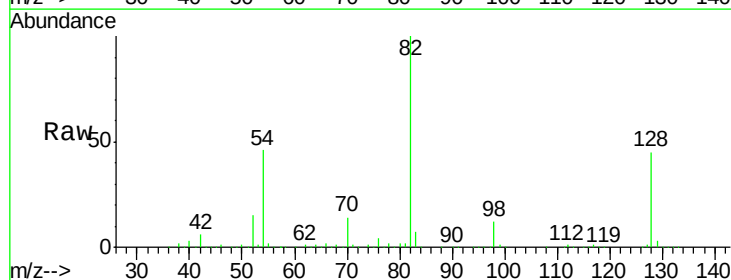
Tgt Ion: 82 Resp: 1069789

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

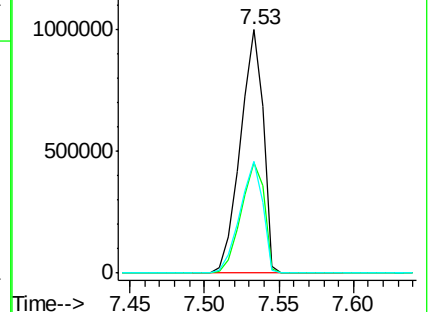
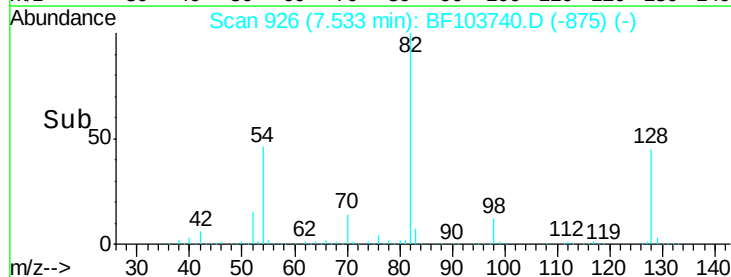
54 45.7 41.4 62.2

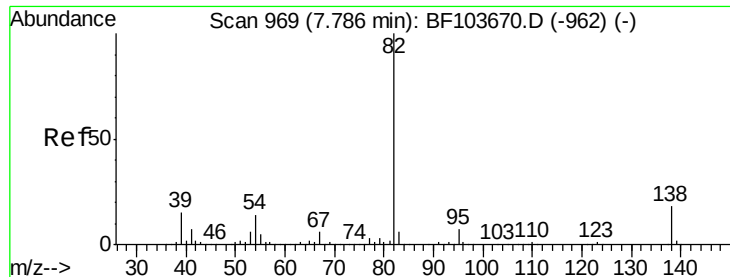


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.174 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103740.D

Acq: 17 Mar 2018 13:24

Instrument :
BNA_F
ClientSampled :

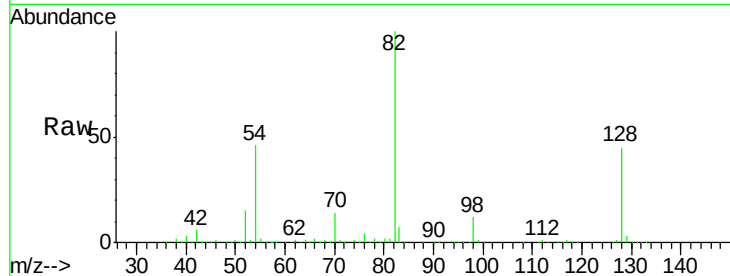
Tot Ion: 82 Resp: 1069766

Ion Ratio Lower Upper

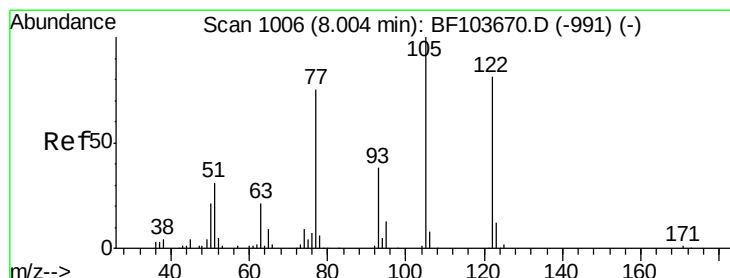
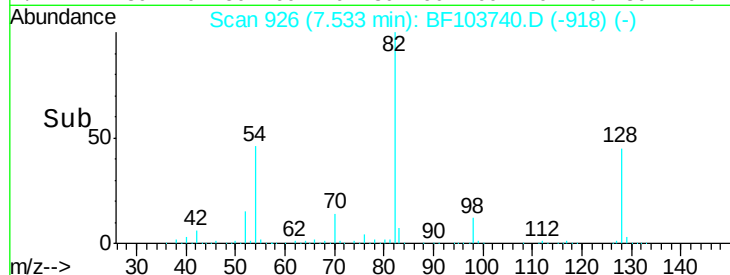
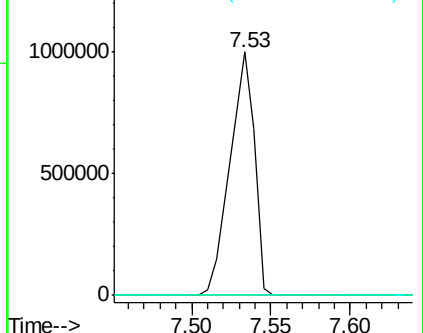
82 100

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



#32

Benzoic acid

Concen: 9.993 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.06 min

Lab File: BF103740.D

Acq: 17 Mar 2018 13:24

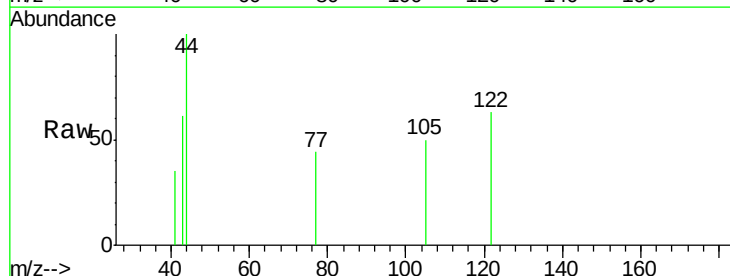
Tgt Ion: 122 Resp: 731

Ion Ratio Lower Upper

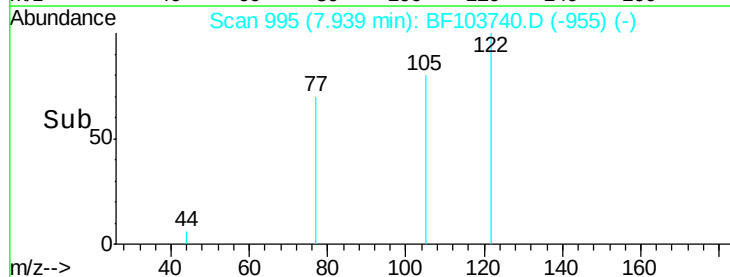
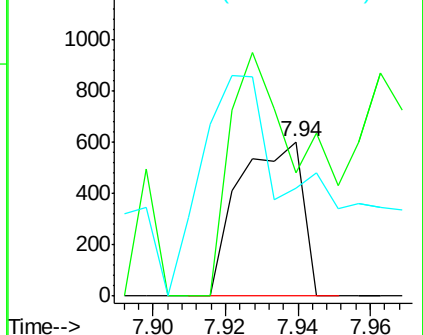
122 100

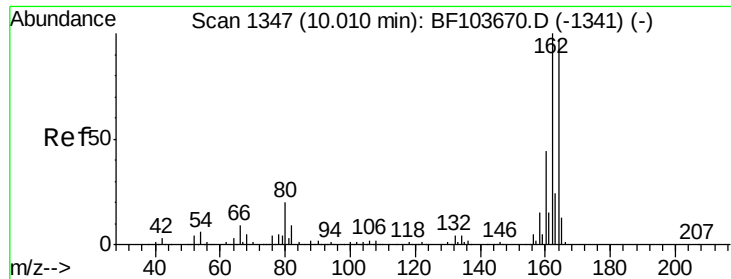
105 79.5 101.1 141.1#

77 70.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

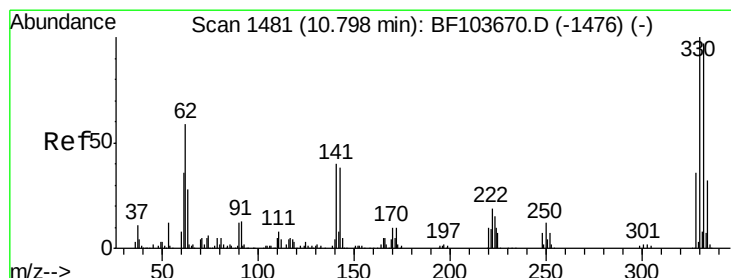
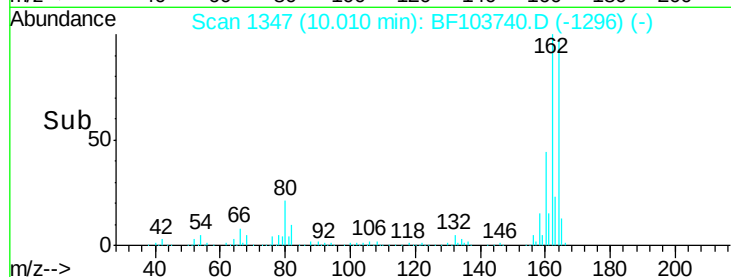
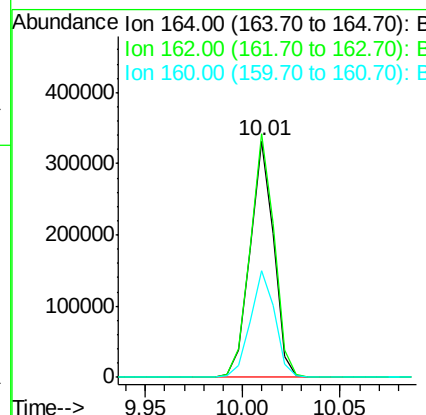
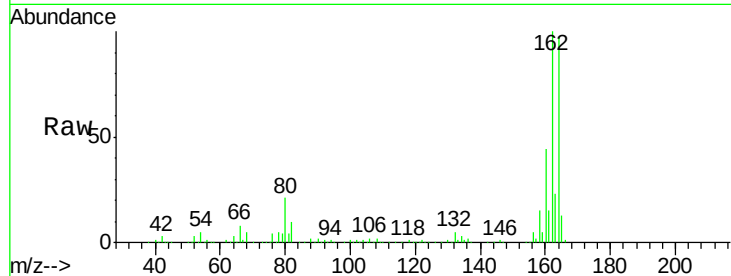




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103740.D
 Acq: 17 Mar 2018 13:24

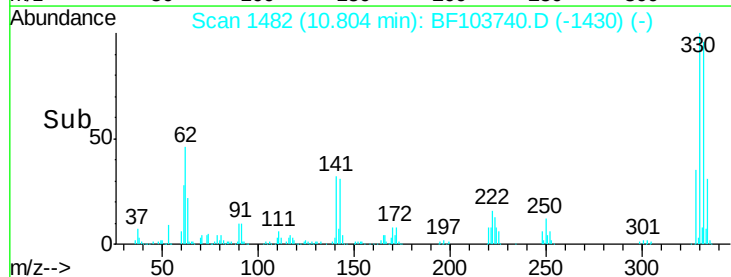
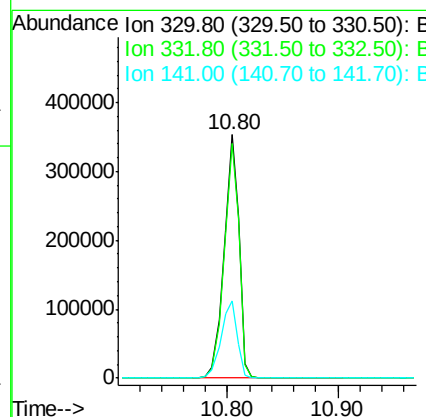
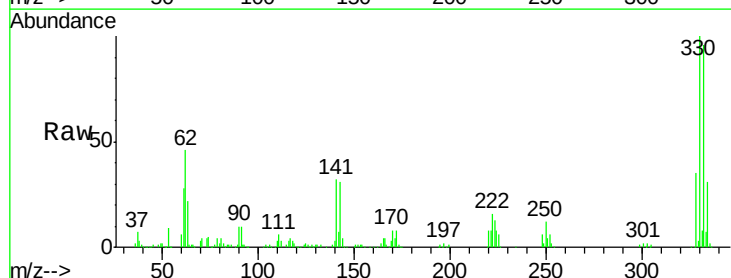
Instrument :
 BNA_F
 ClientSampleId :

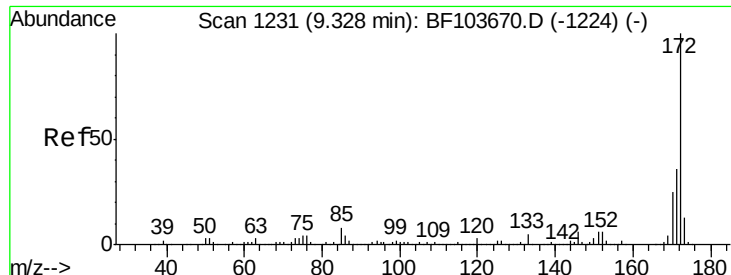
Tot Ion:164 Resp: 277817
 Ion Ratio Lower Upper
 164 100
 162 103.1 86.1 129.1
 160 45.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 138.706 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103740.D
 Acq: 17 Mar 2018 13:24

Tgt Ion:330 Resp: 331325
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 33.8 29.9 44.9

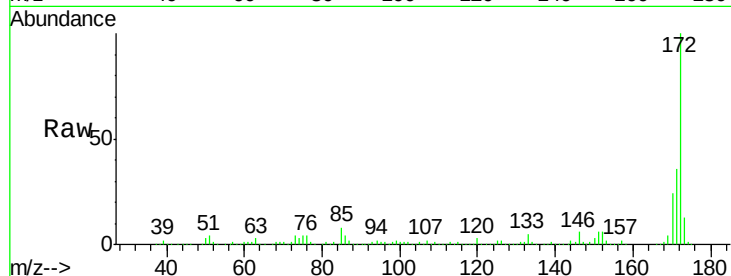




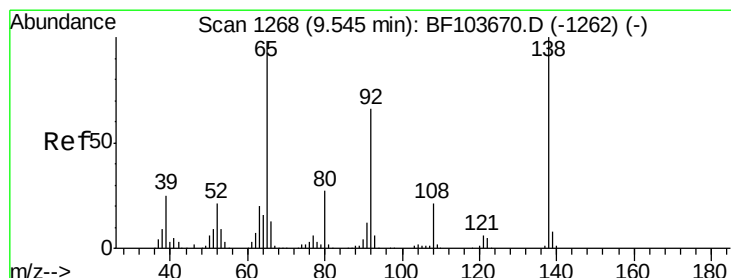
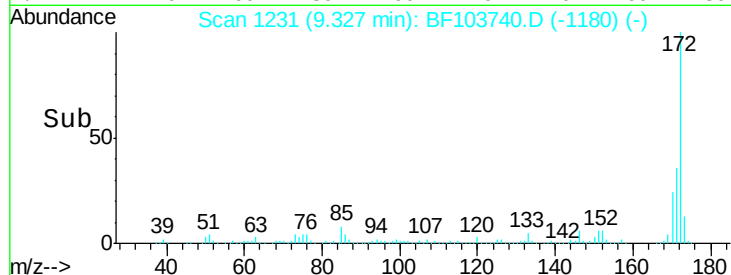
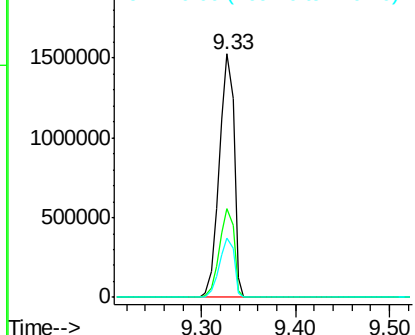
#44
2-Fluorobiphenyl
Concen: 96.798 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103740.D
Acq: 17 Mar 2018 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1685864
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.4 19.6 29.4

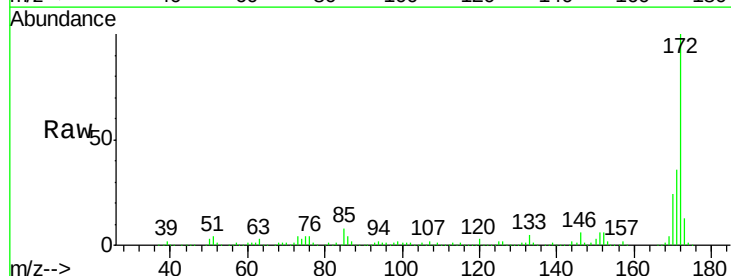


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

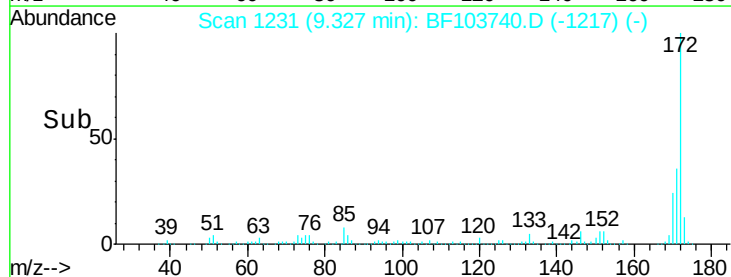
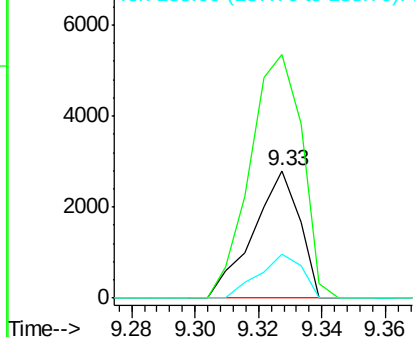


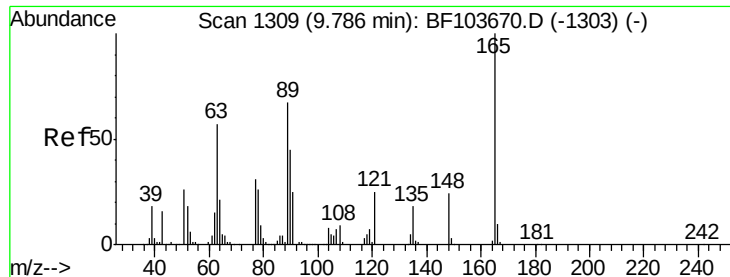
#47
2-Nitroaniline
Concen: 7.324 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.22 min
Lab File: BF103740.D
Acq: 17 Mar 2018 13:24

Tgt Ion: 65 Resp: 2860
Ion Ratio Lower Upper
65 100
92 190.6 55.8 83.6#
138 34.3 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: 11.942 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103740.D

Acq: 17 Mar 2018 13:24

Instrument :

BNA_F

ClientSampled :

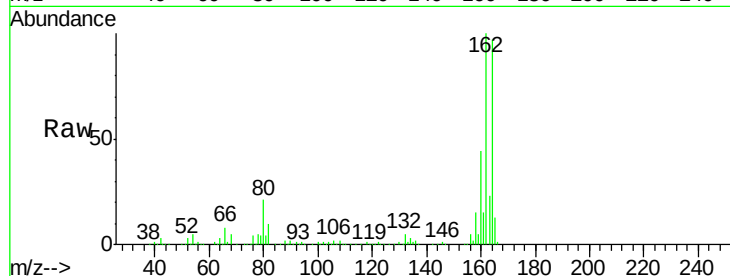
Tot Ion:165 Resp: 35584

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

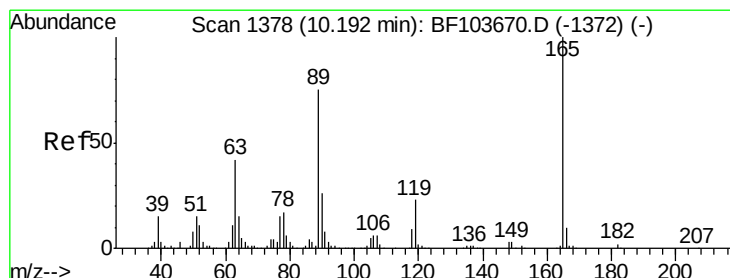
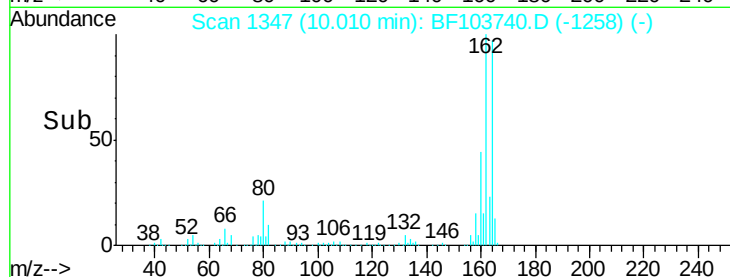
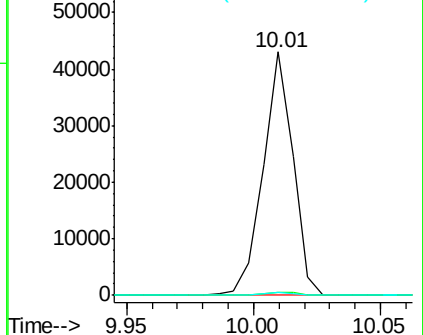
89 1.4 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 12.177 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103740.D

Acq: 17 Mar 2018 13:24

Tgt Ion:165 Resp: 35584

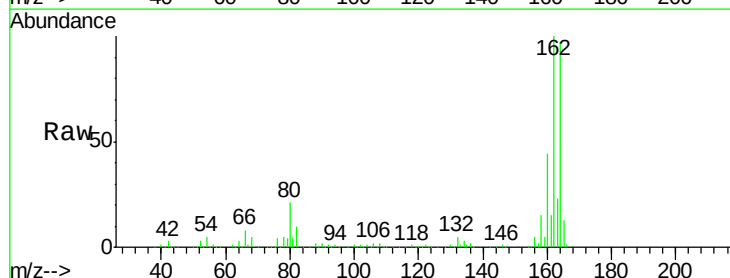
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

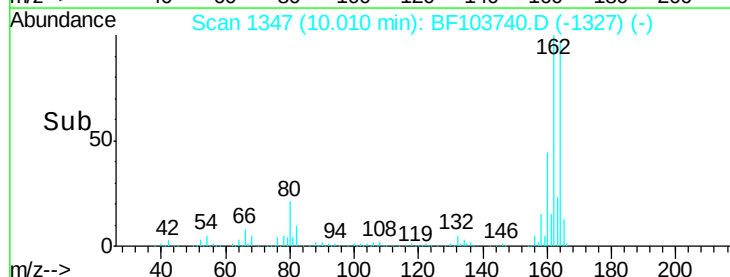
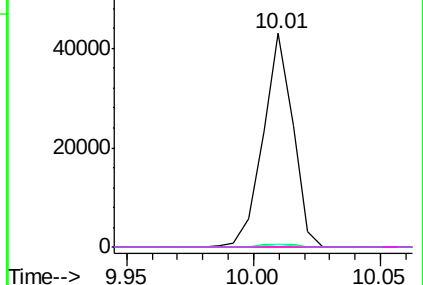


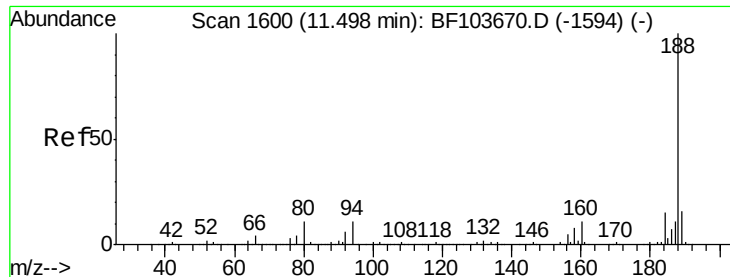
Abundance Ion 165.00 (164.70 to 165.70): E

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

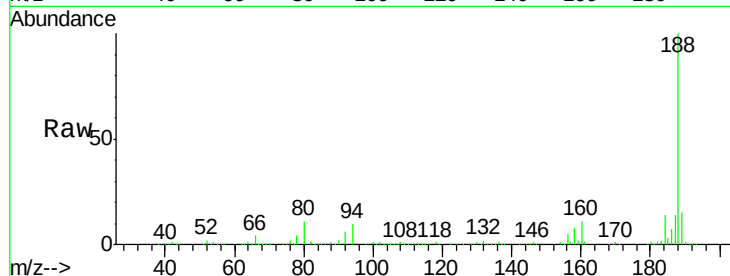




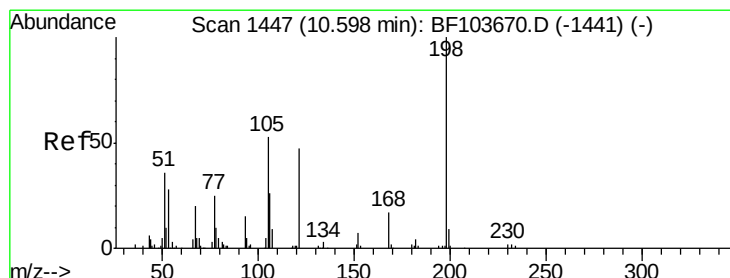
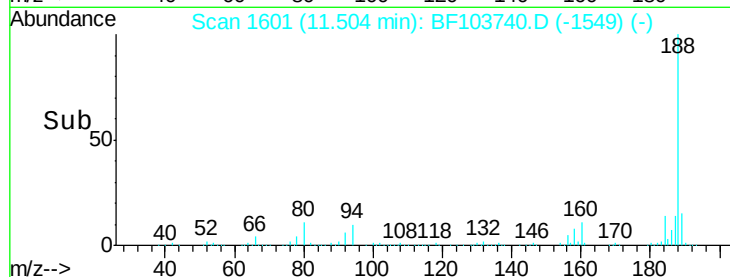
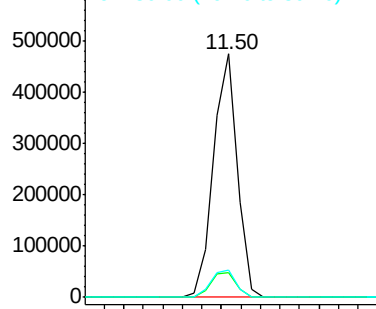
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103740.D
 Acq: 17 Mar 2018 13:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 401772
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 11.0 9.2 13.8

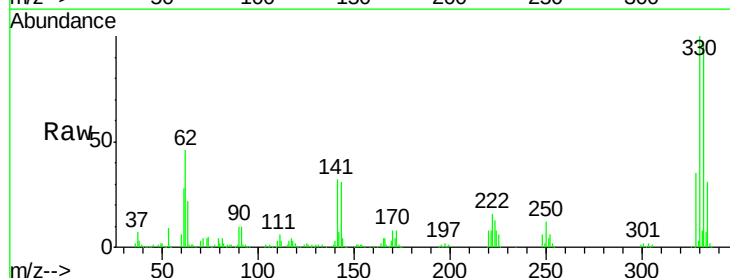


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

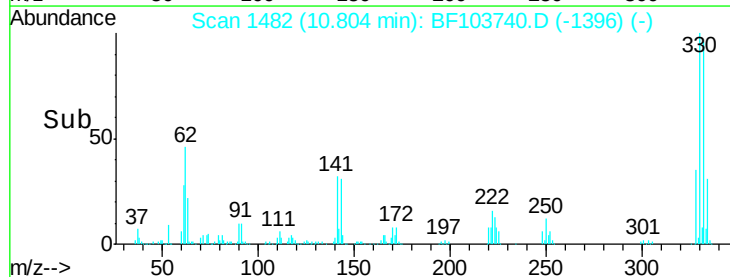
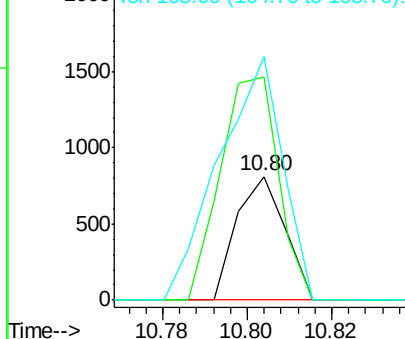


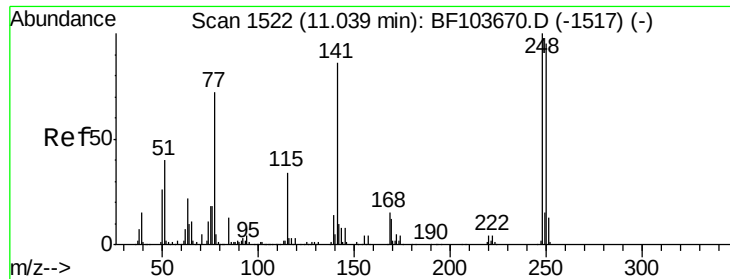
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.595 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103740.D
 Acq: 17 Mar 2018 13:24

Tgt Ion:198 Resp: 642
 Ion Ratio Lower Upper
 198 100
 51 180.2 37.7 77.7#
 105 196.7 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

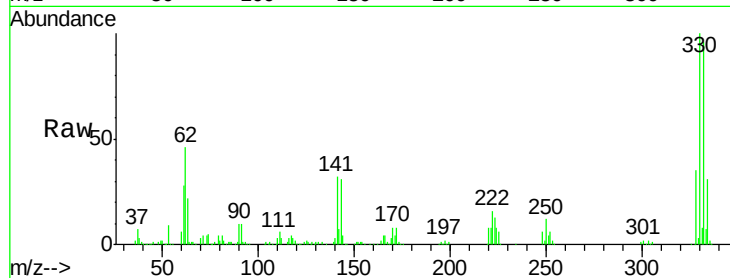




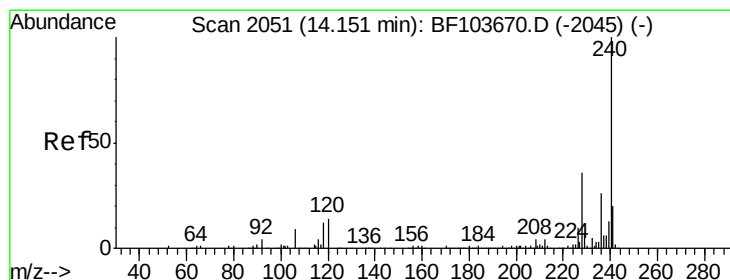
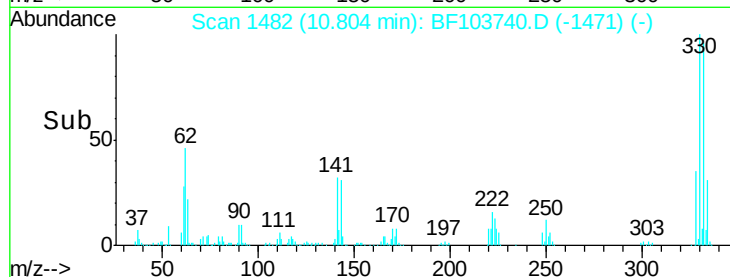
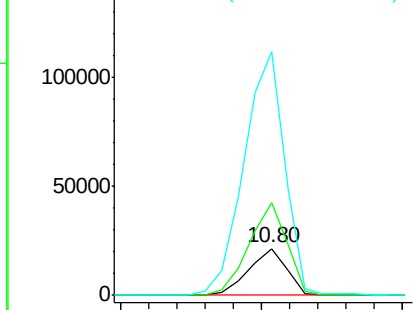
#66
4-Bromophenyl-phenylether
Concen: 4.859 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103740.D
Acq: 17 Mar 2018 13:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20045
Ion Ratio Lower Upper
248 100
250 198.0 76.9 115.3#
141 520.3 74.4 111.6#

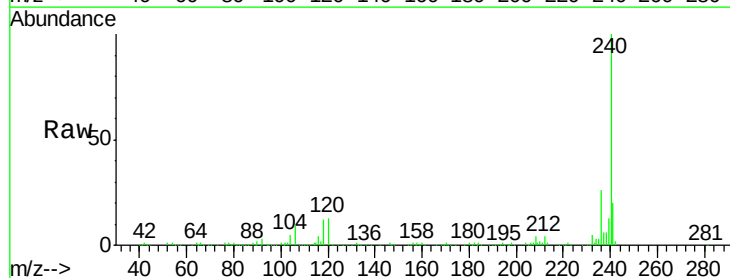


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

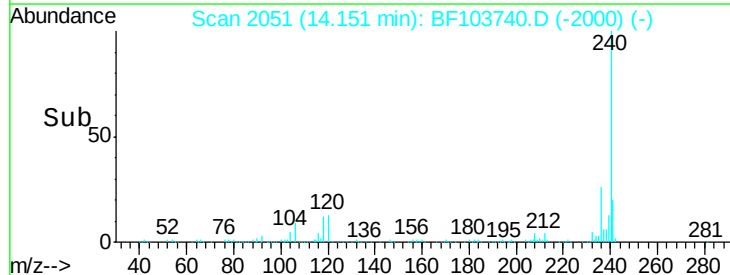
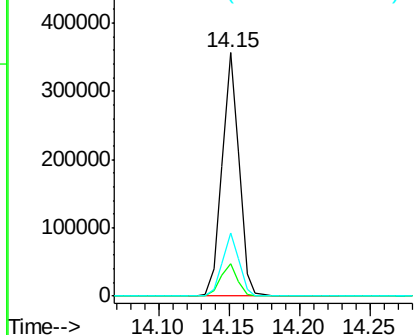


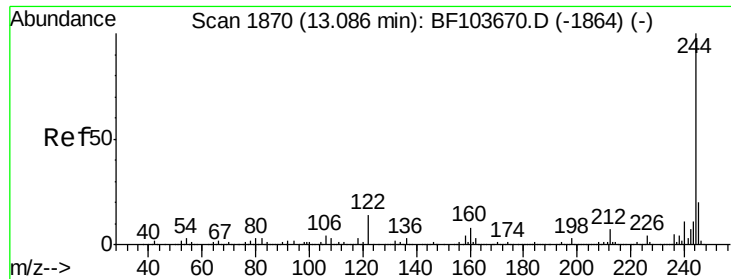
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF103740.D
Acq: 17 Mar 2018 13:24

Tgt Ion:240 Resp: 298599
Ion Ratio Lower Upper
240 100
120 13.5 9.5 14.3
236 25.9 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

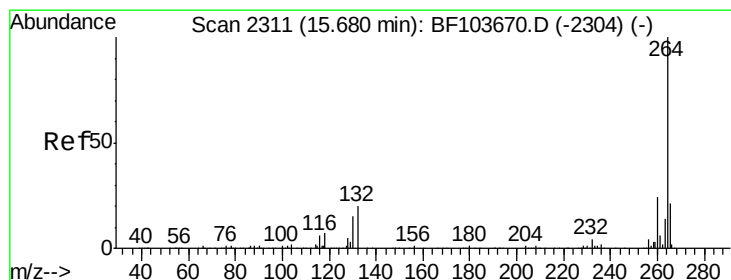
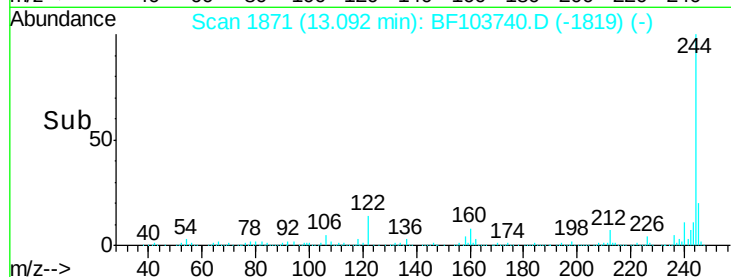
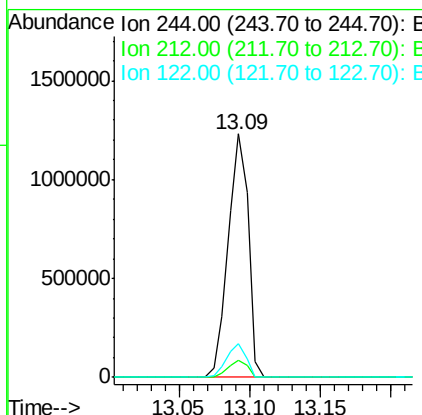
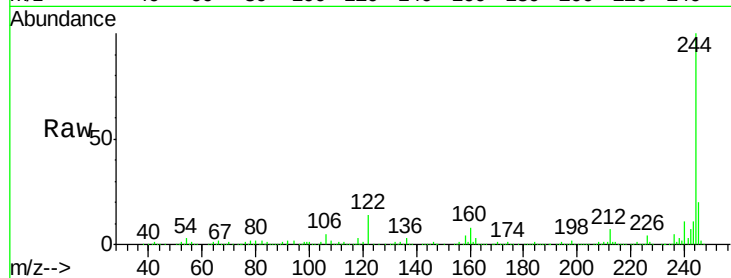




#78
 Terphenyl-d14
 Concen: 94.827 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103740.D
 Acq: 17 Mar 2018 13:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1219887
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 13.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. 0.01 min
 Lab File: BF103740.D
 Acq: 17 Mar 2018 13:24

Tgt Ion:264 Resp: 234619
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.8 17.5 26.3

