

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103723.D
 Acq On : 17 Mar 2018 3:19
 Operator : JU/SJ
 Sample : J1915-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

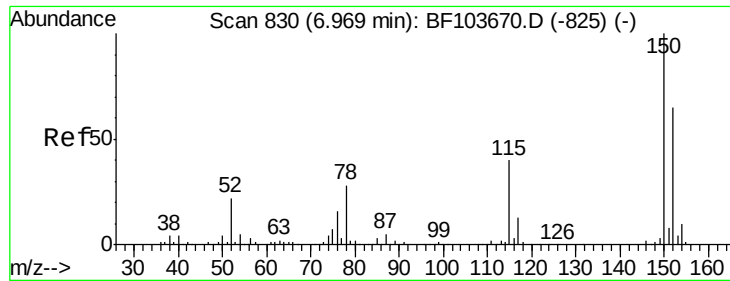
Quant Time: Mar 19 06:59:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	171176	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	678334	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	277445	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	392055	20.00	ng	0.00
75) Chrysene-d12	14.16	240	323692	20.00	ng	0.00
86) Perylene-d12	15.69	264	228070	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	902324	80.18	ng	0.01
7) Phenol-d6	6.59	99	1101158	79.98	ng	0.00
23) Nitrobenzene-d5	7.53	82	663815	68.24	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	189655	79.50	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1133799	65.19	ng	0.00
78) Terphenyl-d14	13.09	244	801135	57.45	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	86075	9.755	ng	# 75
25) Isophorone	7.53	82	663806	29.479	ng	# 64
32) Benzoic acid	8.26	122	119	9.919	ng	# 1
47) 2-Nitroaniline	9.62	65	136	6.839	ng	# 2
49) Dimethylphthalate	9.72	163	75961	3.589	ng	100
50) 2,6-Dinitrotoluene	10.01	165	35404	11.912	ng	# 25
55) 4-Nitrophenol	10.22	139	120	4.999	ng	# 18
56) 2,4-Dinitrotoluene	10.01	165	35404	12.155	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	347	8.381	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	11755	2.920	ng	# 1

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

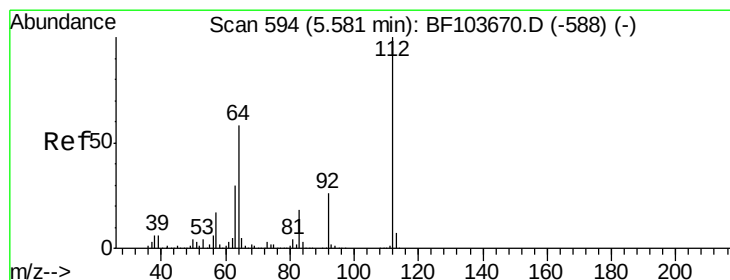
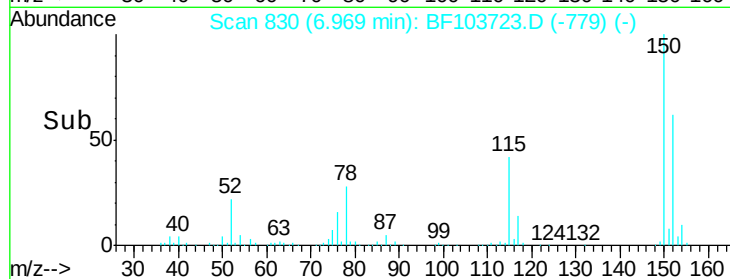
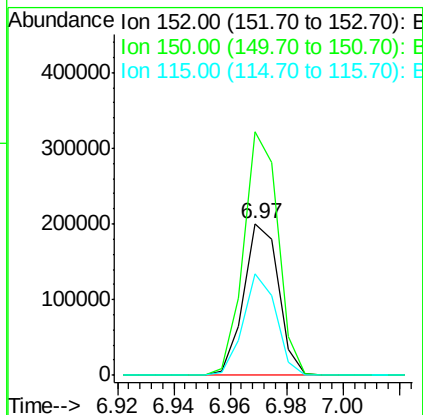
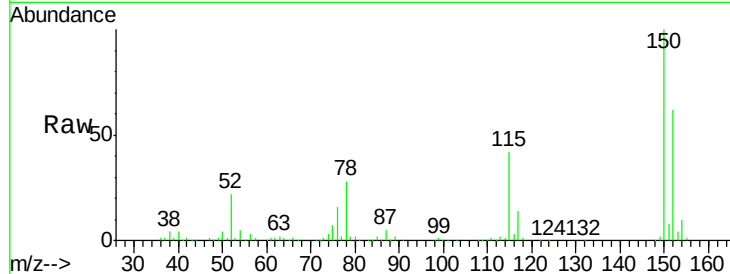


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

Instrument :
BNA_F
ClientSampleId :

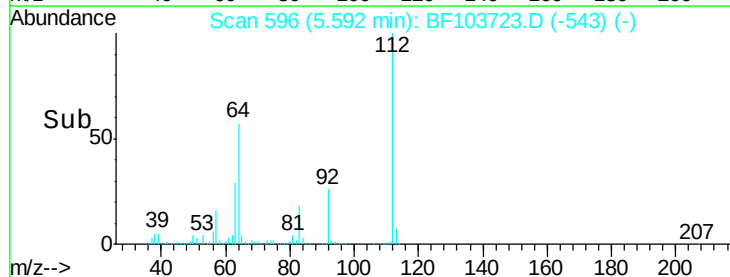
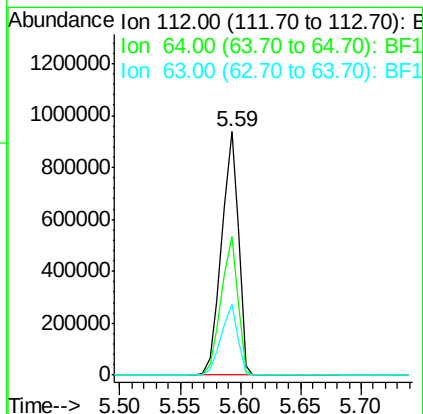
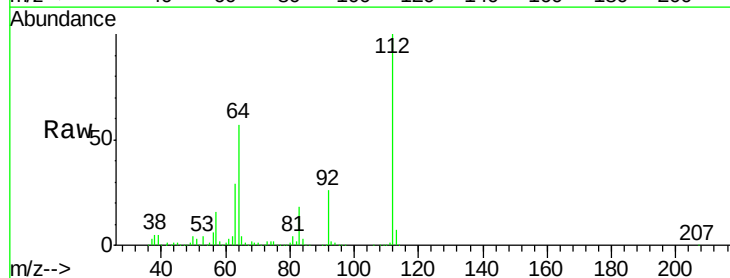
Tot Ion:152 Resp: 171176
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 66.8 50.1 75.1

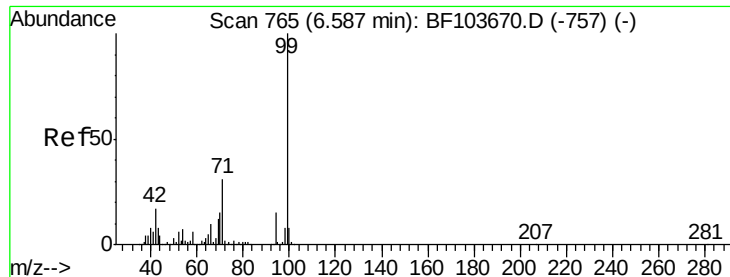


#5

2-Fluorophenol
Concen: 80.177 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

Tgt Ion:112 Resp: 902324
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 29.0 23.7 35.5





#7

Phenol-d6

Concen: 79.975 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

Instrument :

BNA_F

ClientSampled :

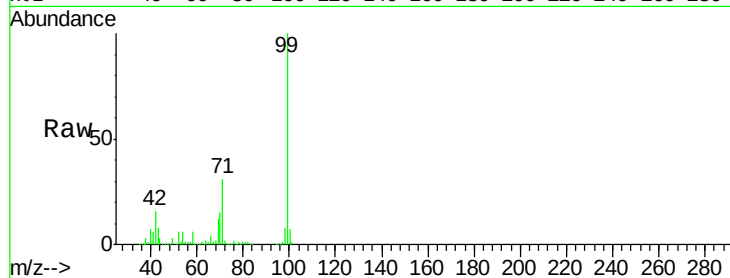
Tot Ion: 99 Resp: 1101158

Ion Ratio Lower Upper

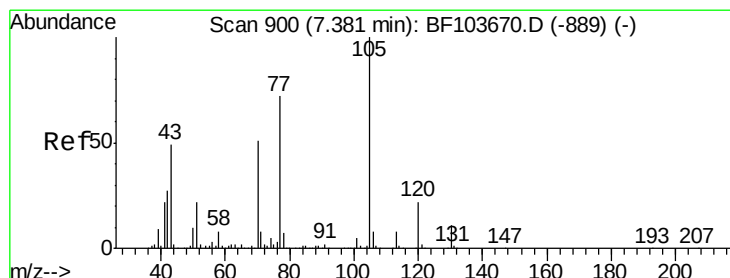
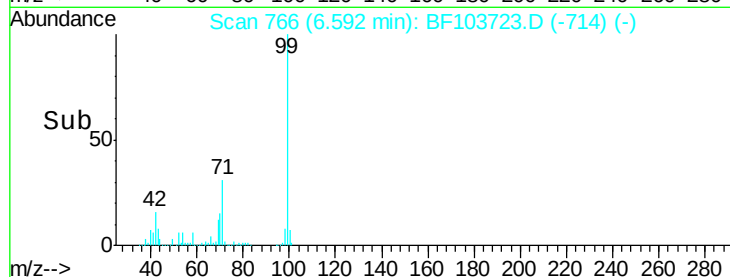
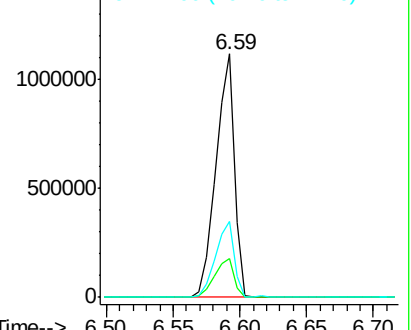
99 100

42 16.1 14.5 21.7

71 31.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.755 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

Tgt Ion: 70 Resp: 86075

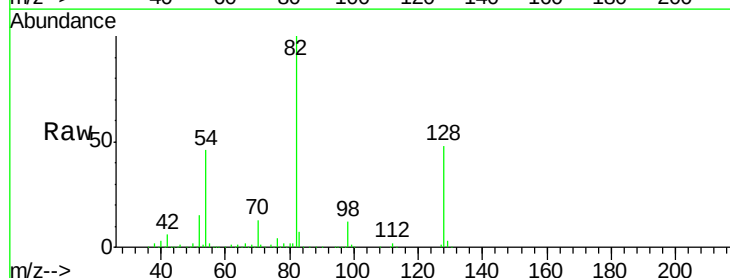
Ion Ratio Lower Upper

70 100

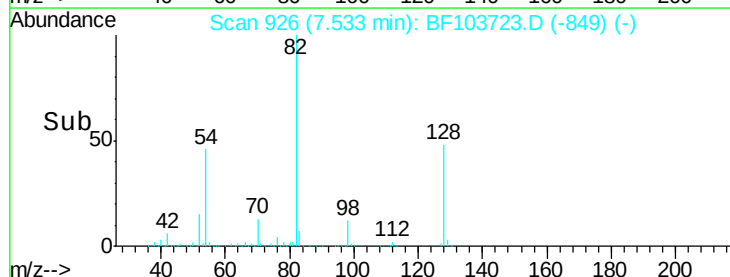
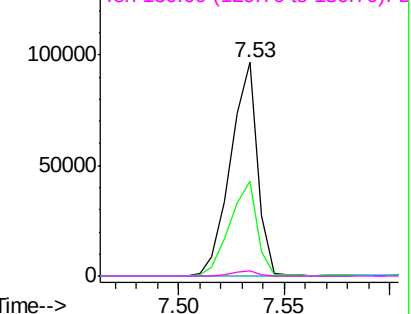
42 44.4 47.5 71.3#

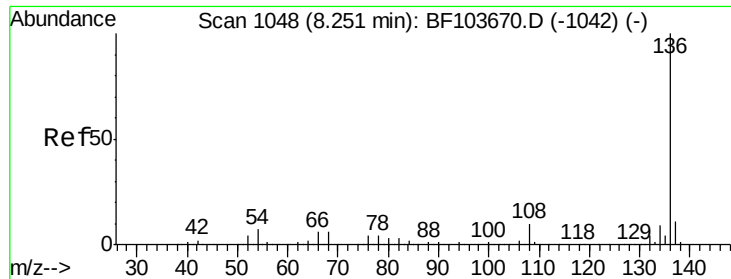
101 0.0 7.4 11.2#

130 2.4 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: BF103723.D

Acq: 17 Mar 2018 3:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 678334

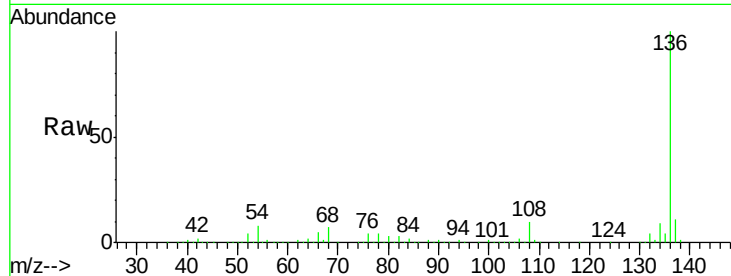
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 7.9 6.6 9.8

68 6.7 5.0 7.4

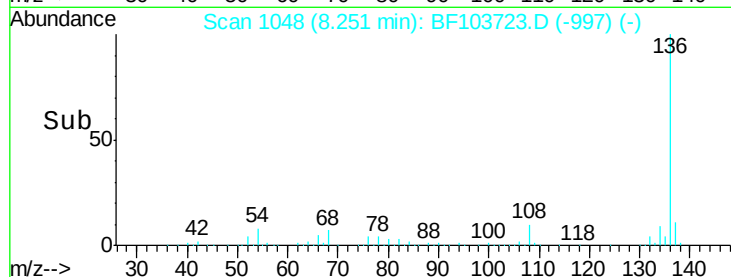


Abundance Ion 136.00 (135.70 to 136.70): E

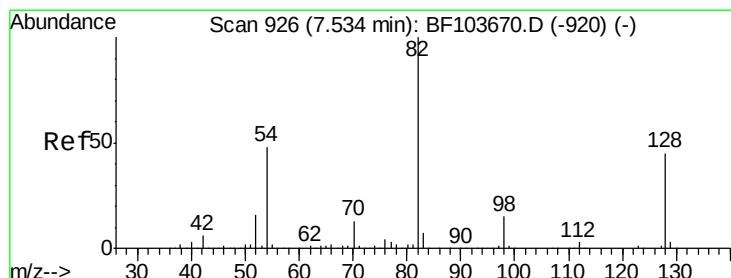
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 68.243 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

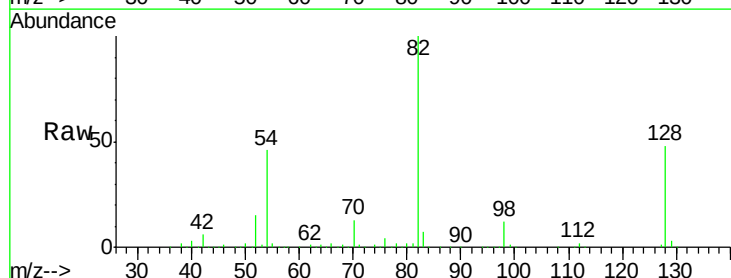
Tgt Ion: 82 Resp: 663815

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

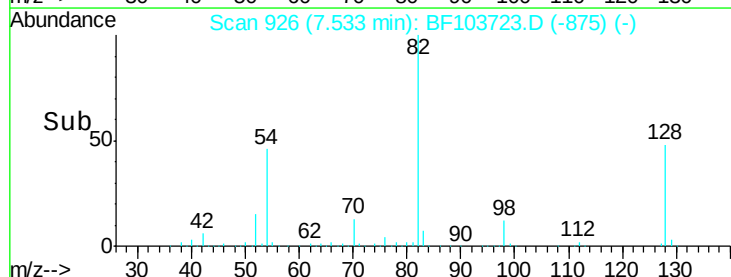
54 45.9 41.4 62.2



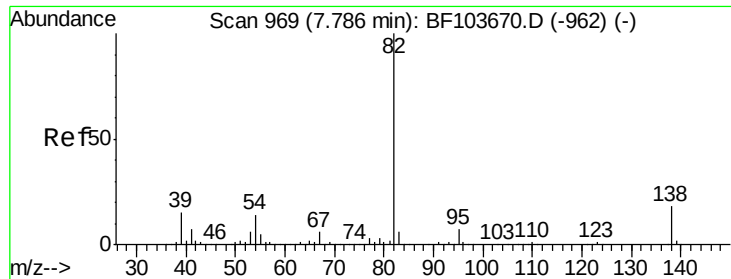
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 29.479 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

Instrument :

BNA_F

ClientSampled :

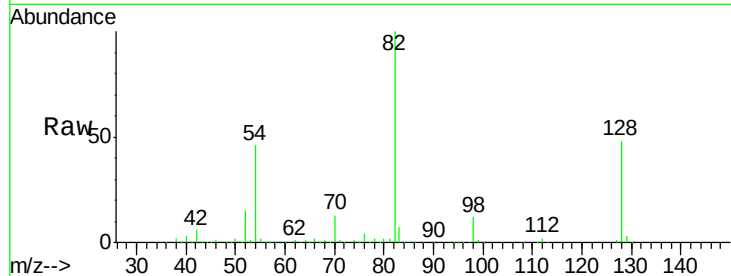
Tot Ion: 82 Resp: 663806

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

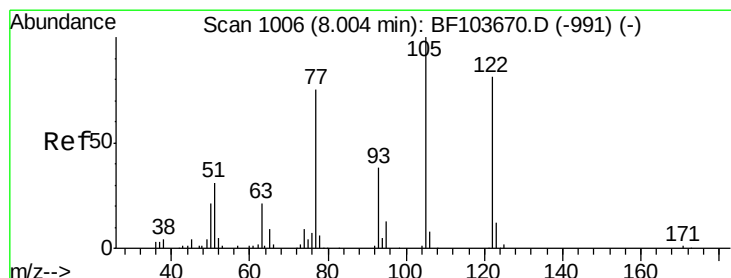
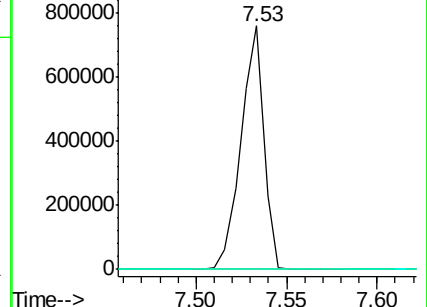
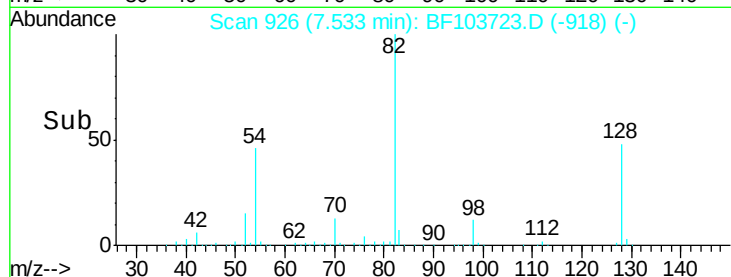
138 0.0 14.9 22.3#



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: 9.919 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.25 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

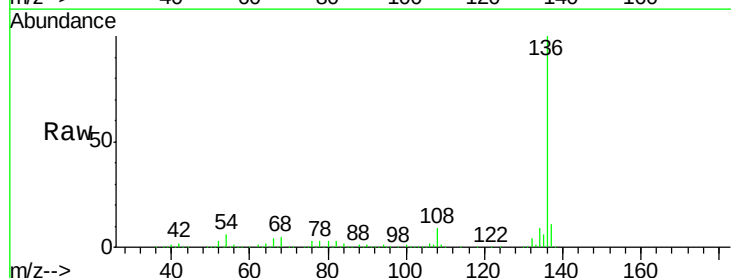
Tgt Ion: 122 Resp: 119

Ion Ratio Lower Upper

122 100

105 188.1 101.1 141.1#

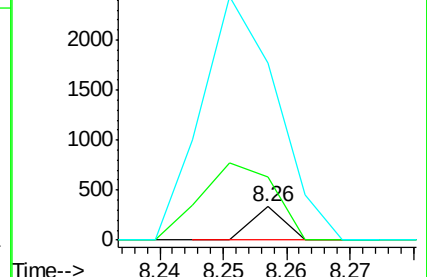
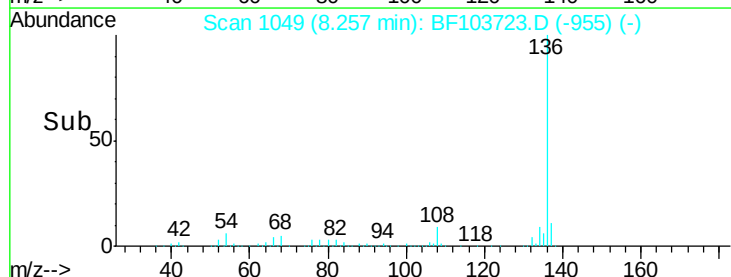
77 527.1 70.7 110.7#

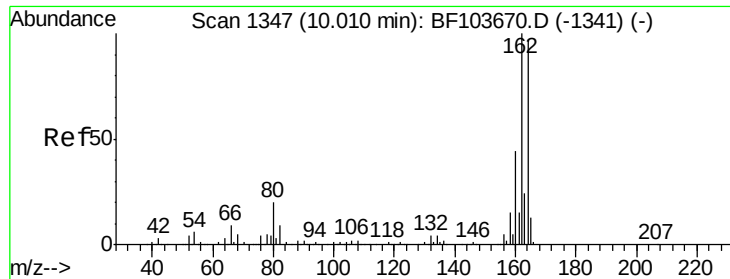


Abundance Ion 122.00 (121.70 to 122.70): E

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. -0.00 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

Instrument :

BNA_F

ClientSampleId :

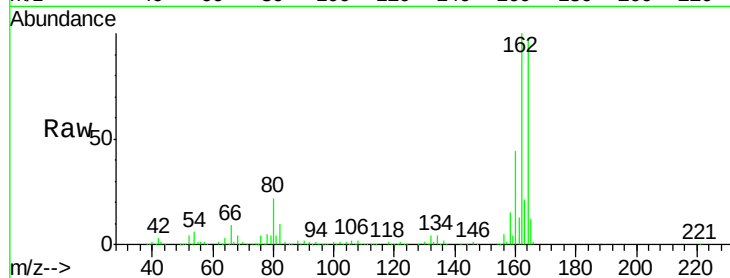
Tot Ion:164 Resp: 277445

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

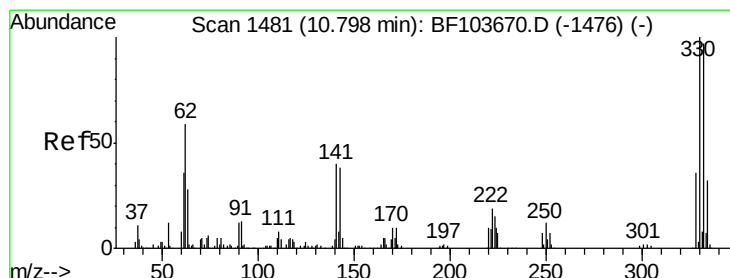
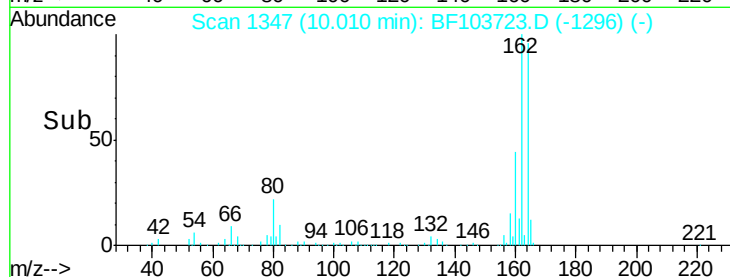
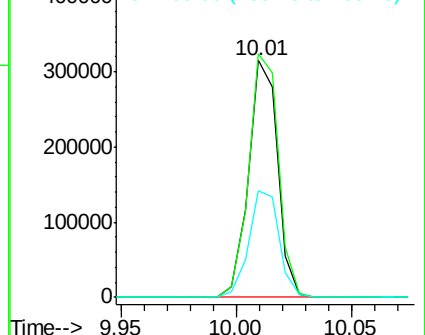
160 45.2 38.3 57.5



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: 79.504 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

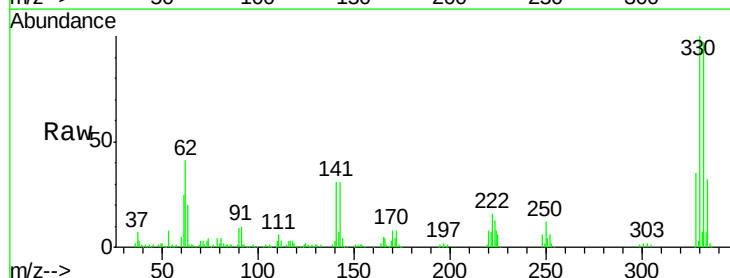
Tgt Ion:330 Resp: 189655

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

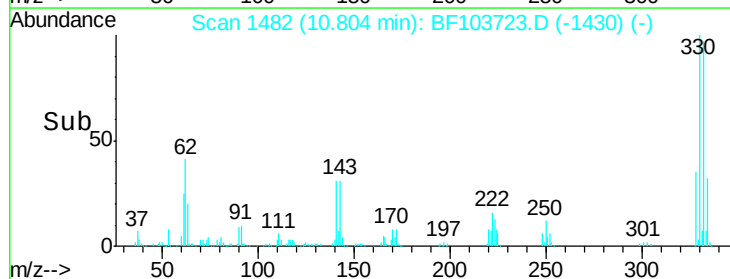
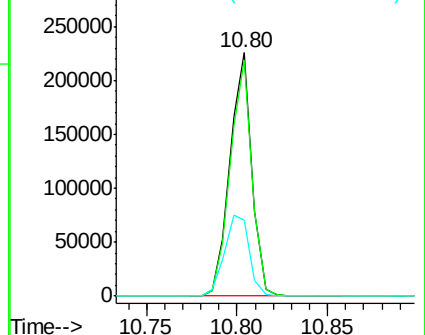
141 37.7 29.9 44.9

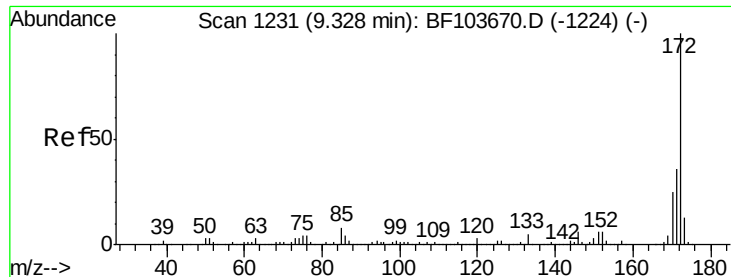


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

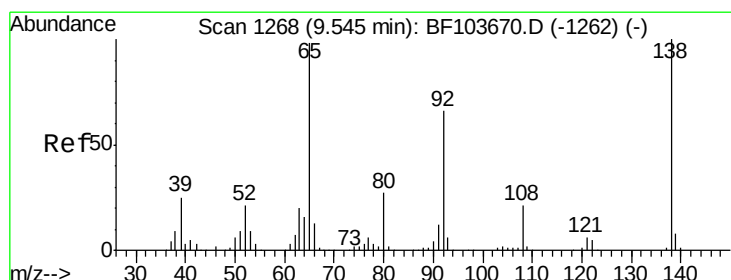
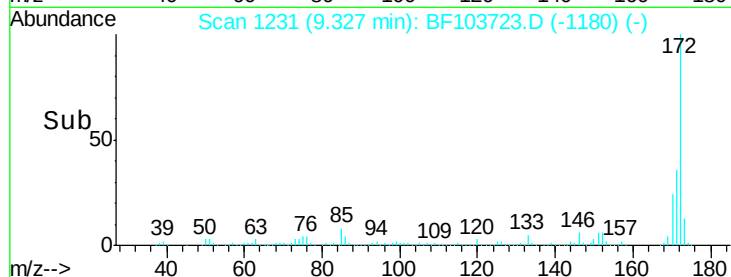
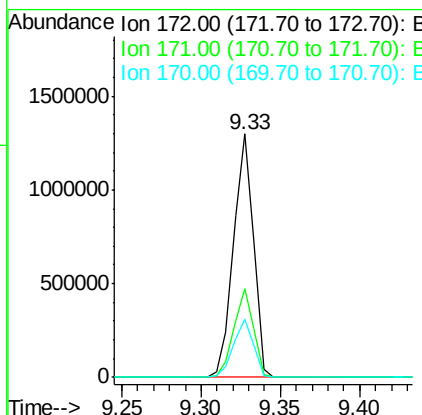
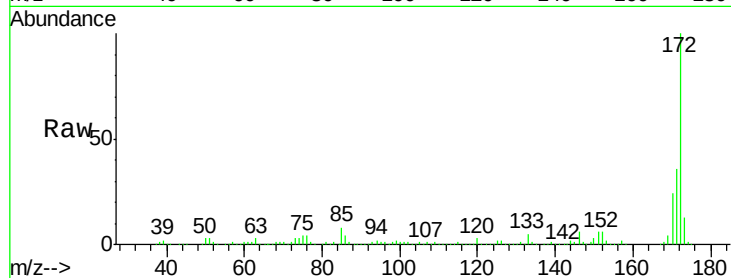




#44
2-Fluorobiphenyl
Concen: 65.187 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

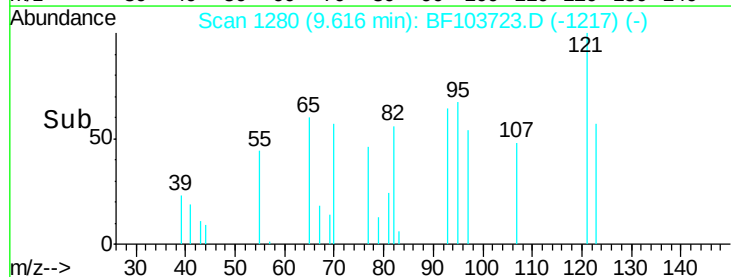
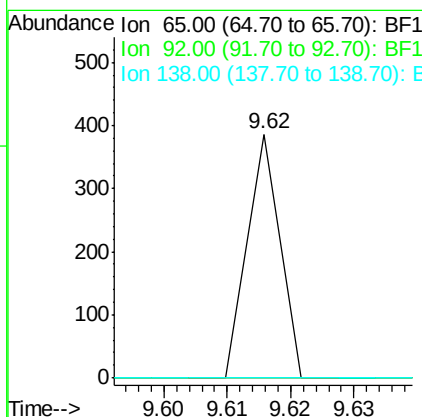
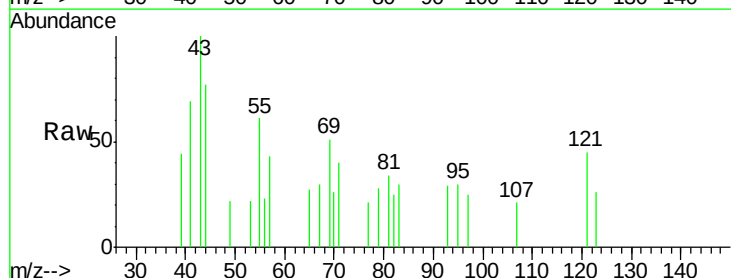
Instrument :
BNA_F
ClientSampleId :

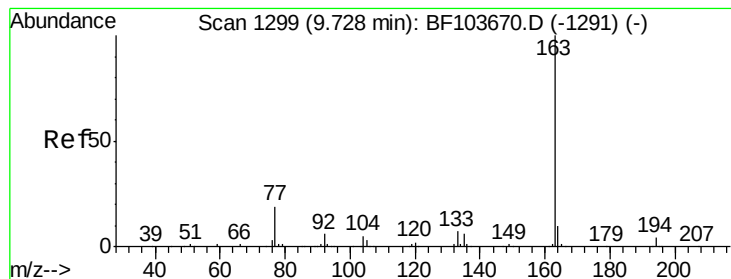
Tot Ion:172 Resp: 1133799
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.0 19.6 29.4



#47
2-Nitroaniline
Concen: 6.839 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.07 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

Tgt Ion: 65 Resp: 136
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 3.589 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

Instrument :

BNA_F

ClientSampled :

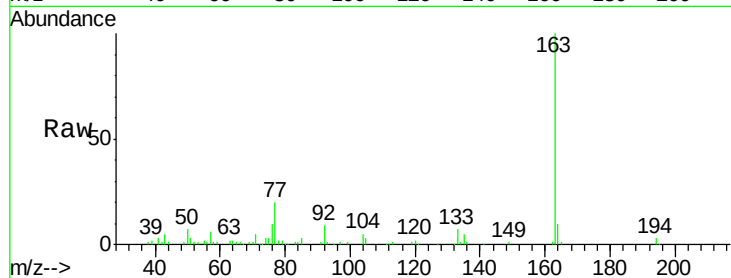
Tot Ion:163 Resp: 75961

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

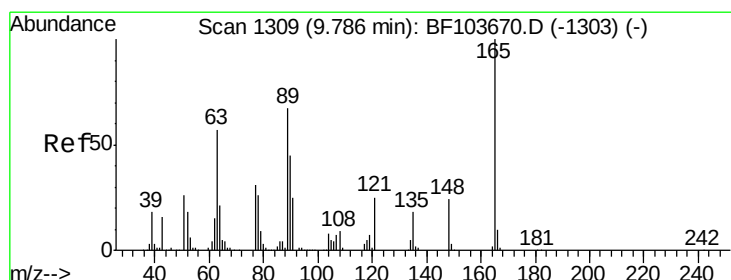
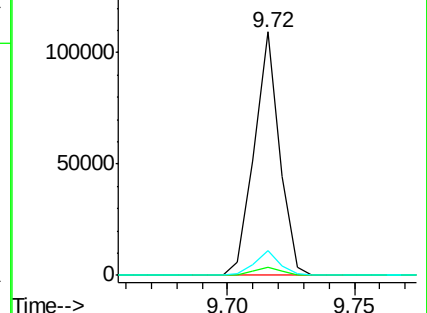
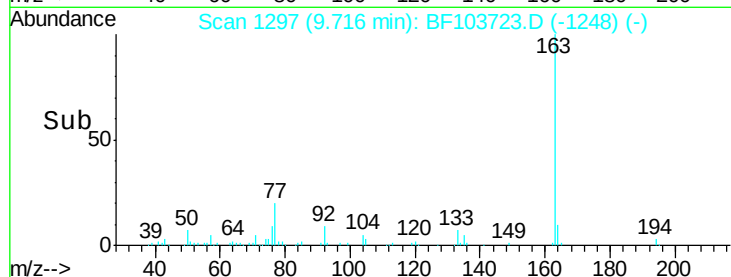
164 10.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 11.912 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103723.D

Acq: 17 Mar 2018 3:19

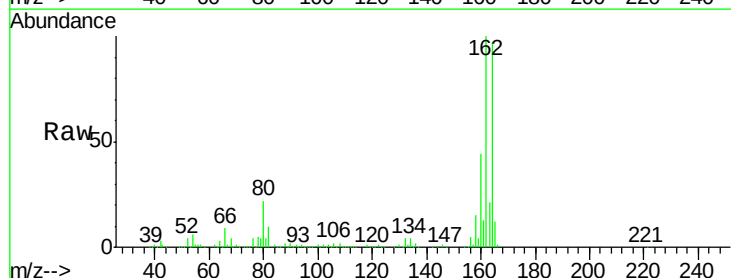
Tgt Ion:165 Resp: 35404

Ion Ratio Lower Upper

165 100

63 0.8 44.7 67.1#

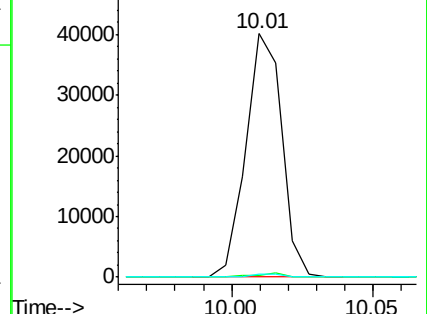
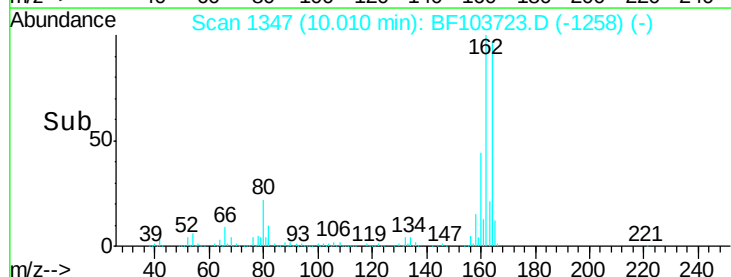
89 1.3 44.0 66.0#

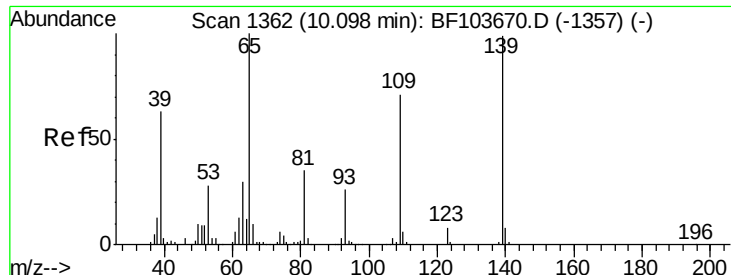


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

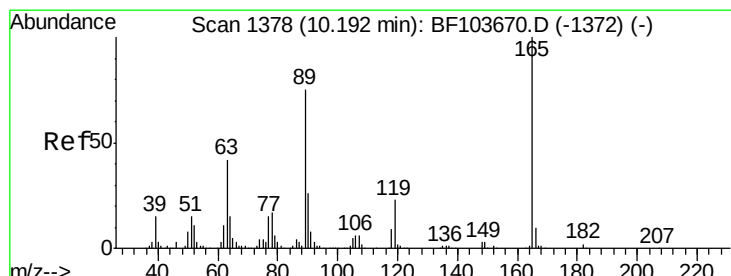
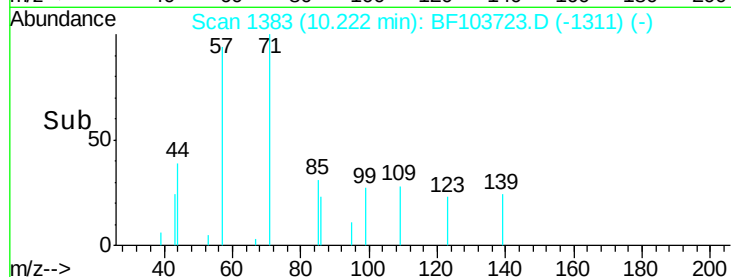
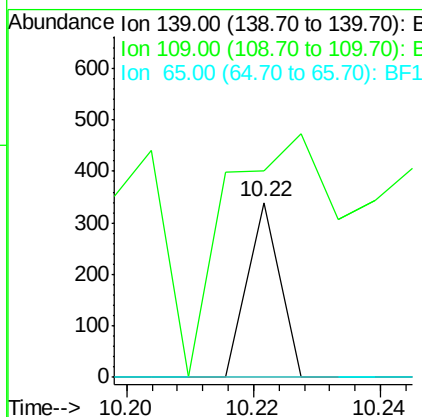
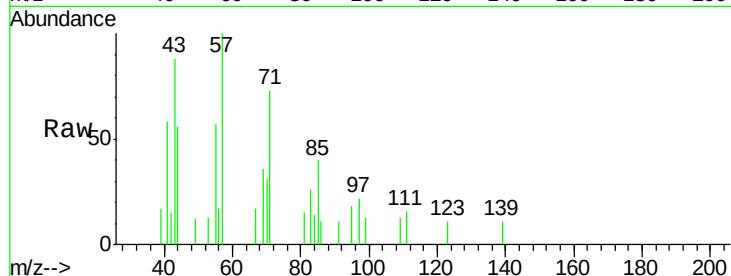




#55
4-Nitrophenol
Concen: 4.999 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.12 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

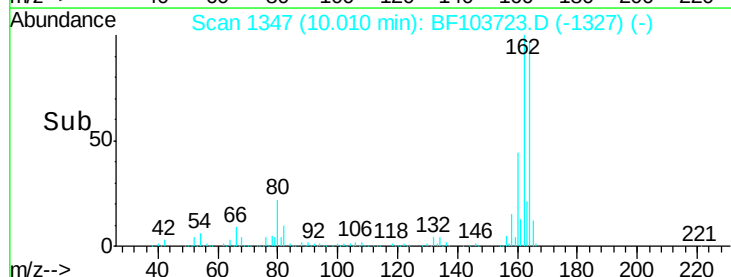
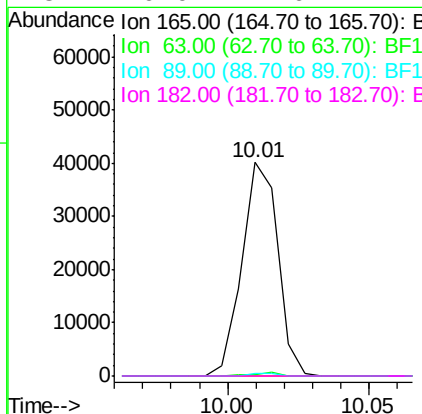
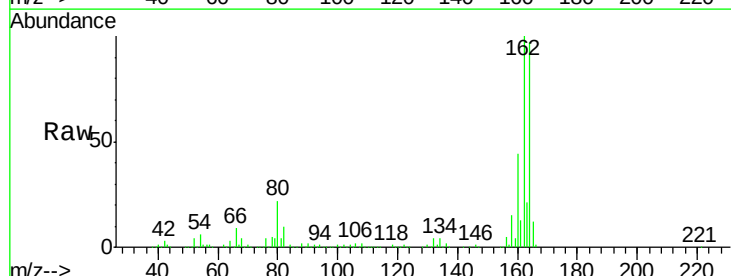
Instrument :
BNA_F
ClientSampled :

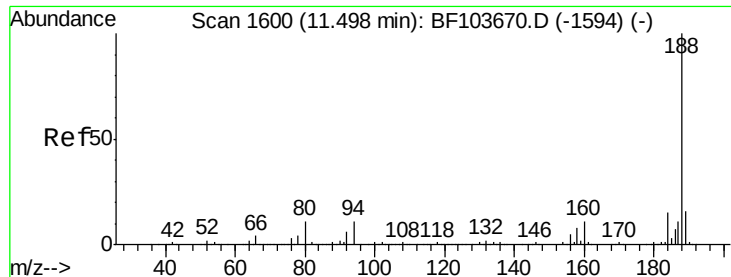
Tot Ion:139 Resp: 120
Ion Ratio Lower Upper
139 100
109 117.9 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.155 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

Tgt Ion:165 Resp: 35404
Ion Ratio Lower Upper
165 100
63 0.8 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#

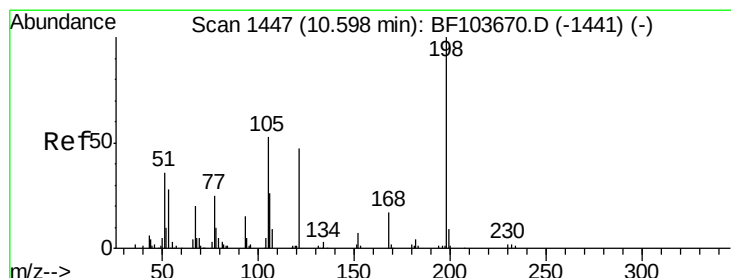
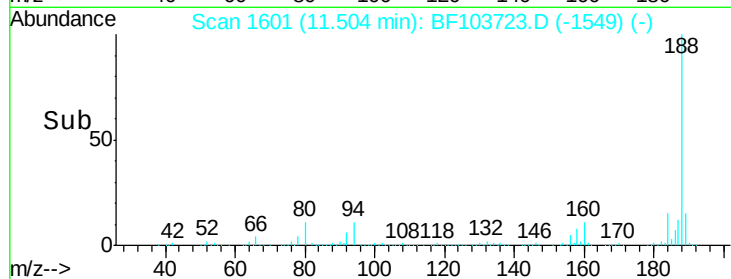
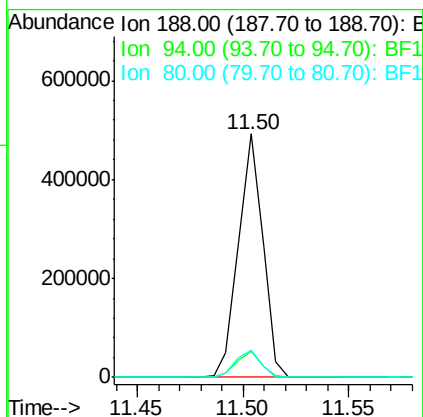
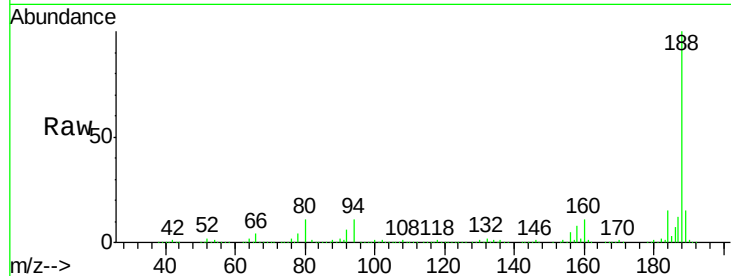




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103723.D
 Acq: 17 Mar 2018 3:19

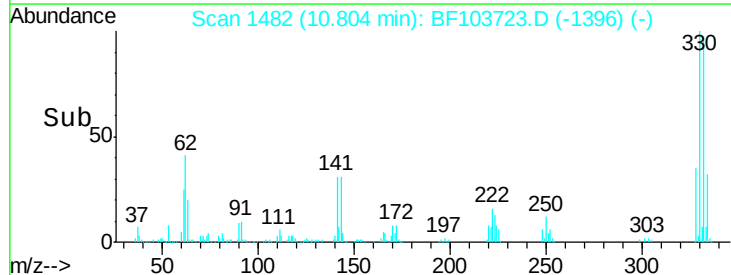
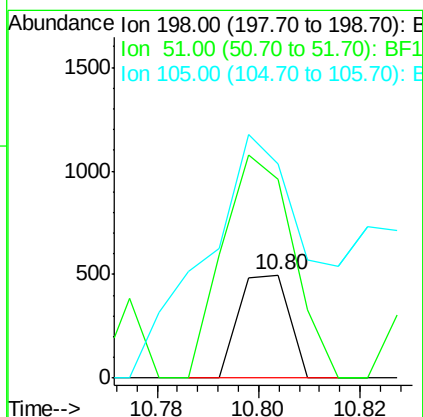
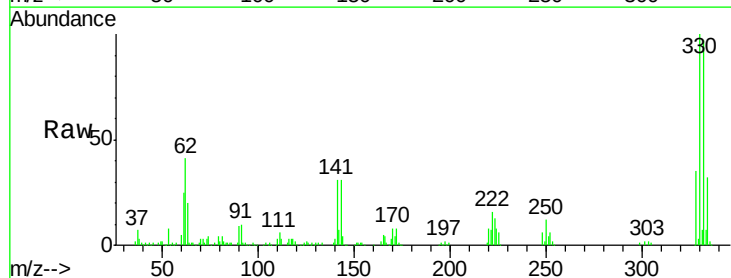
Instrument :
 BNA_F
 ClientSampleId :

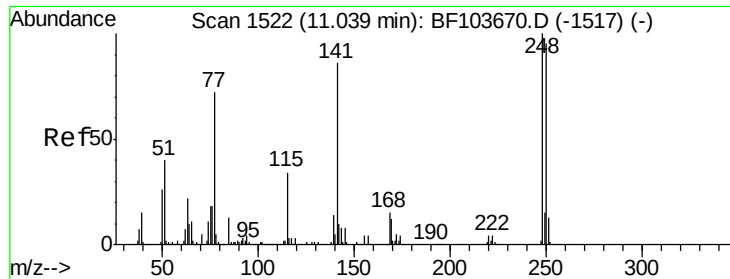
Tot Ion:188 Resp: 392055
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.381 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103723.D
 Acq: 17 Mar 2018 3:19

Tgt Ion:198 Resp: 347
 Ion Ratio Lower Upper
 198 100
 51 193.4 37.7 77.7#
 105 207.2 36.3 76.3#

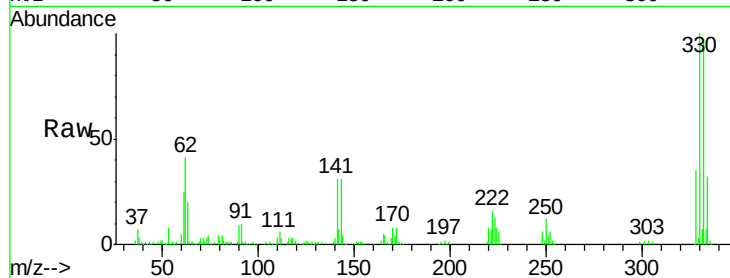




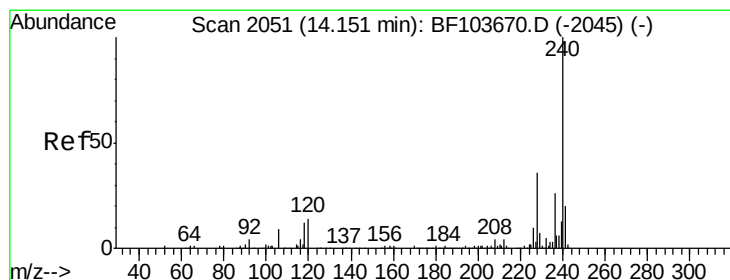
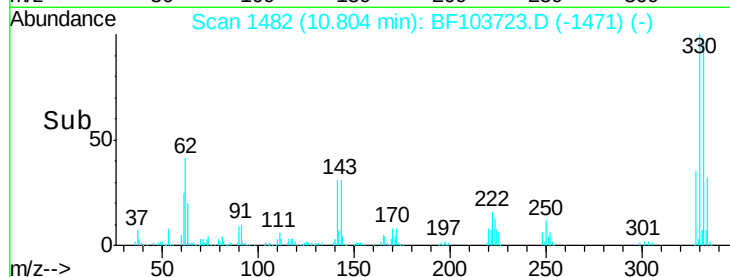
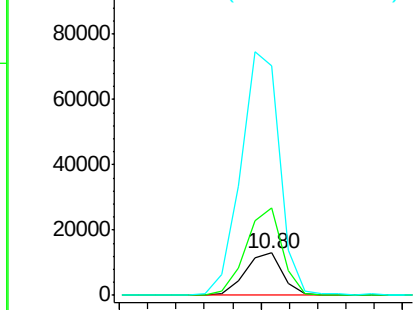
#66
4-Bromophenyl-phenylether
Concen: 2.920 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11755
Ion Ratio Lower Upper
248 100
250 204.3 76.9 115.3#
141 541.6 74.4 111.6#

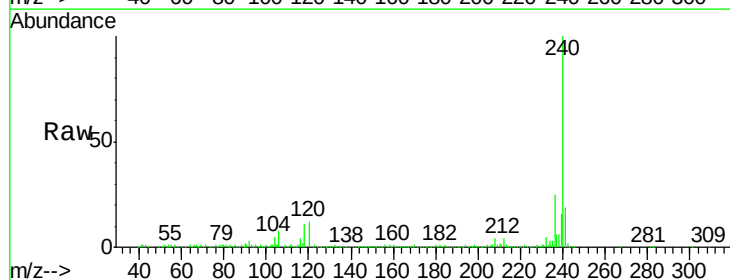


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

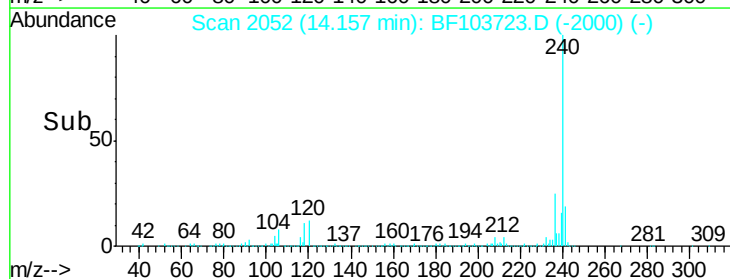
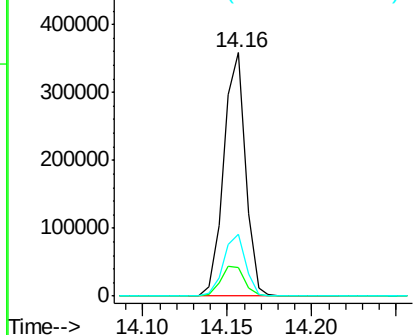


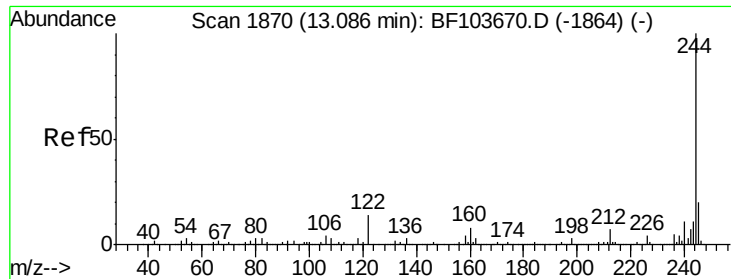
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103723.D
Acq: 17 Mar 2018 3:19

Tgt Ion:240 Resp: 323692
Ion Ratio Lower Upper
240 100
120 11.9 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

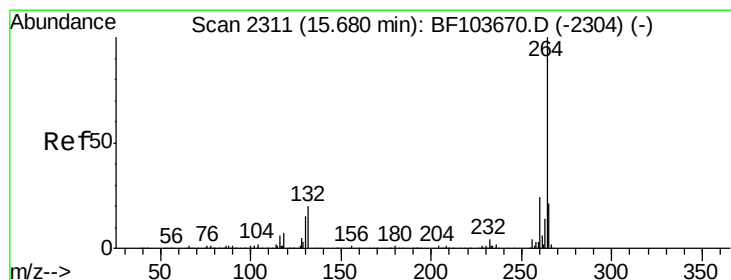
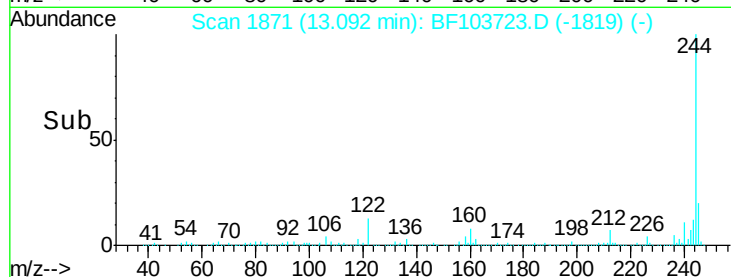
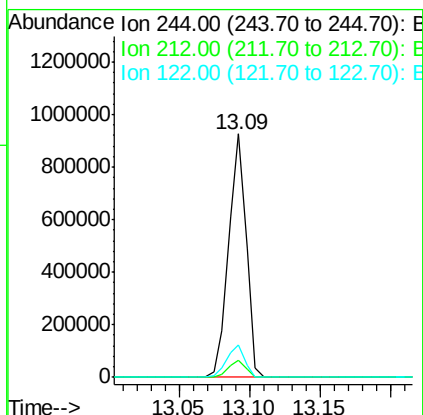
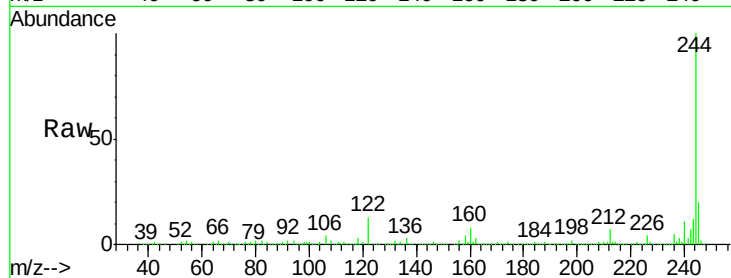




#78
 Terphenyl-d14
 Concen: 57.448 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103723.D
 Acq: 17 Mar 2018 3:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 801135
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF103723.D
 Acq: 17 Mar 2018 3:19

Tgt Ion:264 Resp: 228070
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 21.8 17.5 26.3

