

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103733.D
 Acq On : 17 Mar 2018 10:18
 Operator : JU/SJ
 Sample : J1929-12
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 07:02:20 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	154363	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	600739	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	243952	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	350689	20.00	ng	0.00
75) Chrysene-d12	14.16	240	286931	20.00	ng	0.00
86) Perylene-d12	15.69	264	225761	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1213949	119.61	ng	0.03
7) Phenol-d6	6.59	99	1359536	109.50	ng	0.00
23) Nitrobenzene-d5	7.53	82	992180	115.18	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	286269	136.48	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1550271	101.37	ng	0.00
78) Terphenyl-d14	13.09	244	1124580	90.97	ng	0.00

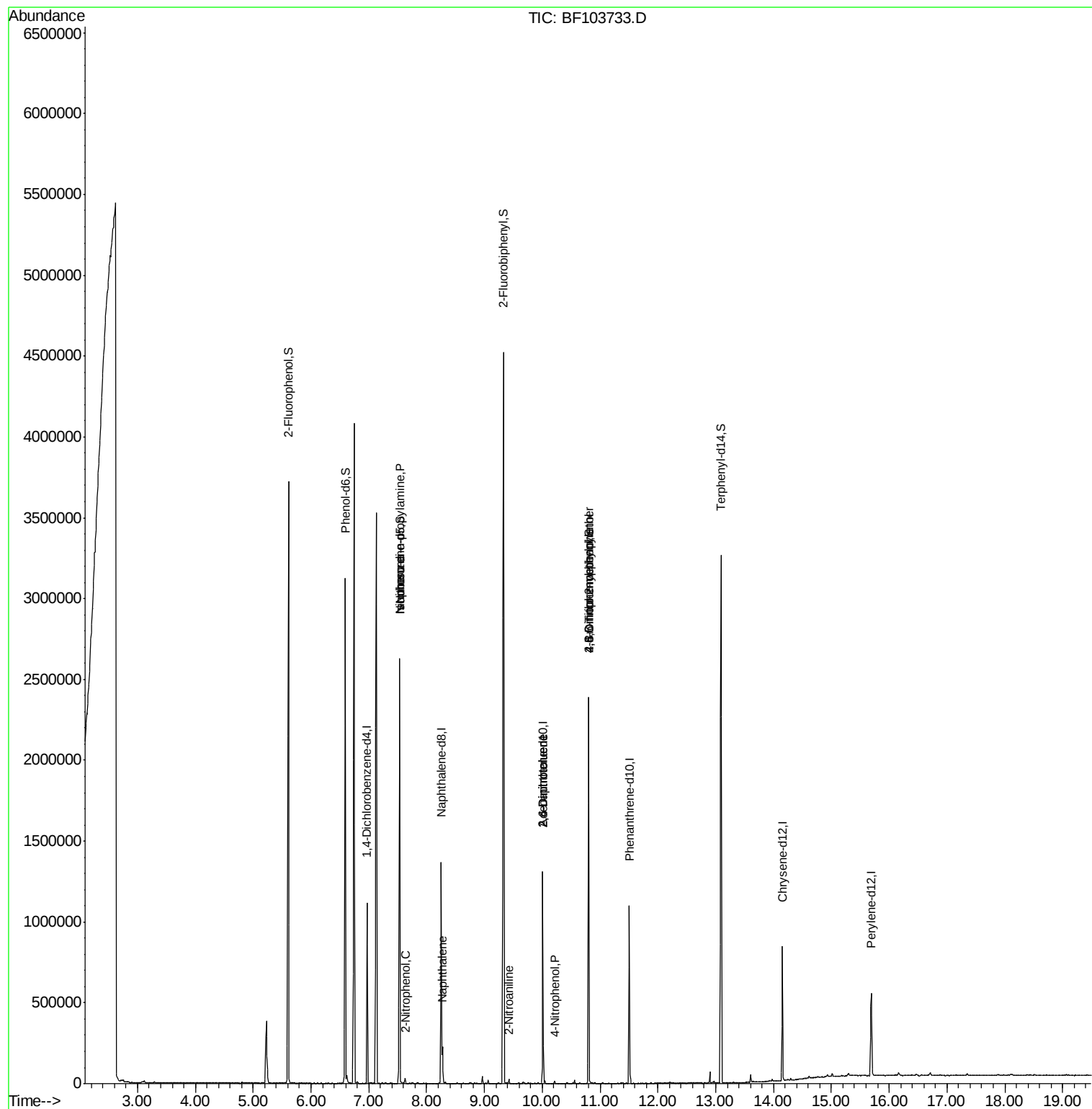
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	130522	16.403	ng	# 75
25) Isophorone	7.53	82	992168	49.753	ng	# 64
26) 2-Nitrophenol	7.63	139	282	9.505	ng	# 34
31) Naphthalene	8.27	128	92591	3.051	ng	# 98
47) 2-Nitroaniline	9.43	65	113	6.837	ng	# 2
50) 2,6-Dinitrotoluene	10.01	165	31225	11.936	ng	# 26
55) 4-Nitrophenol	10.22	139	2356	5.618	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	31225	12.173	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	623	8.649	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	17450	4.846	ng	# 1

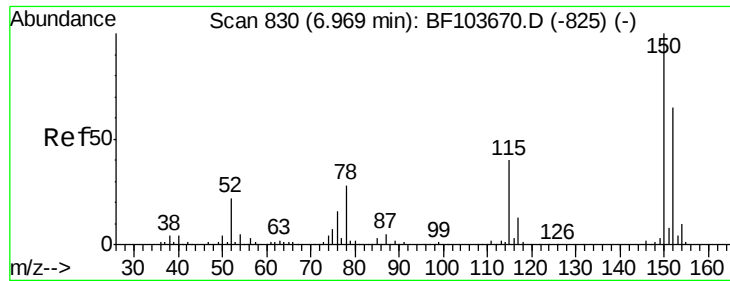
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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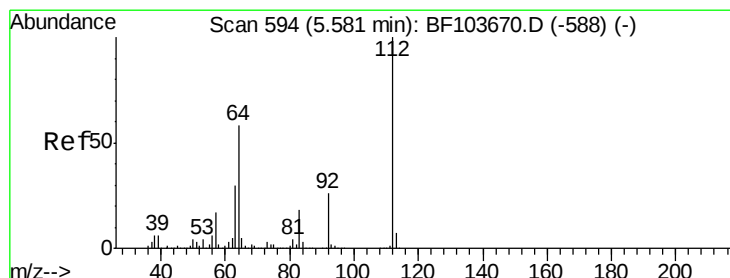
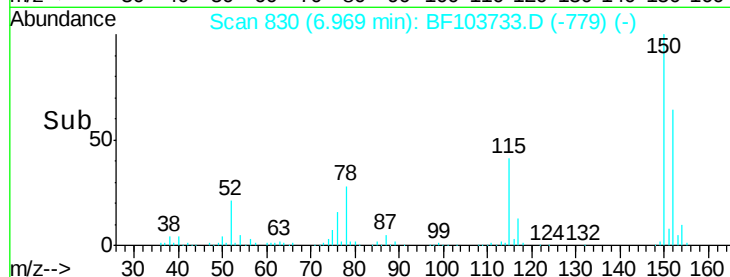
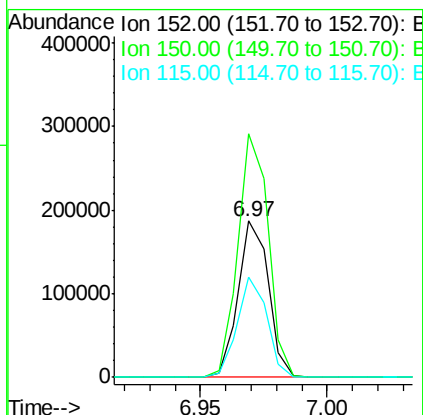
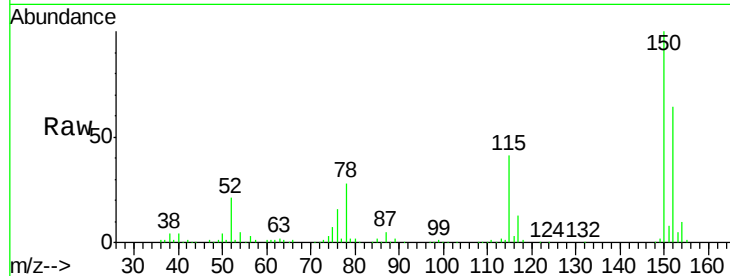


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

Instrument :
BNA_F
ClientSampleId :

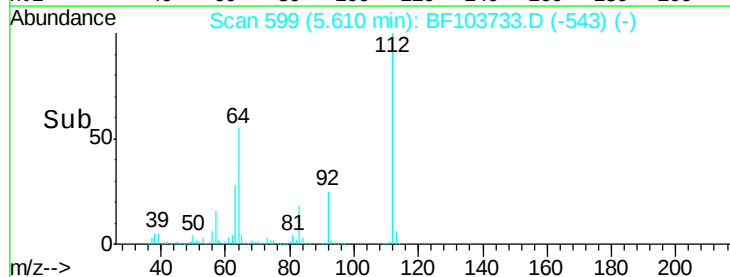
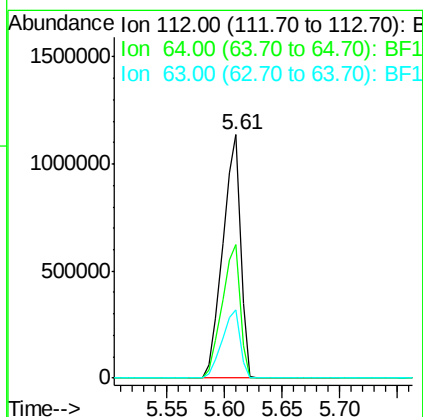
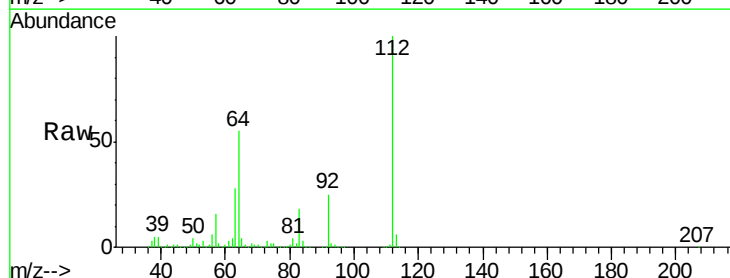
Tot Ion:152 Resp: 154363
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 64.4 50.1 75.1

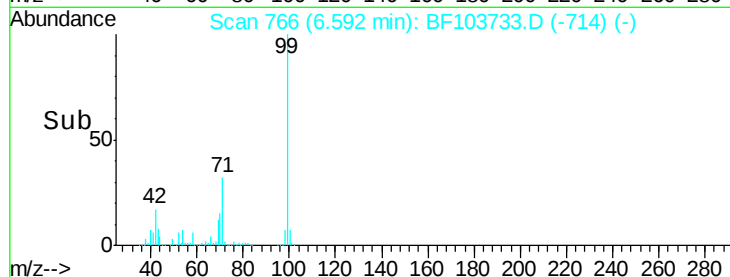
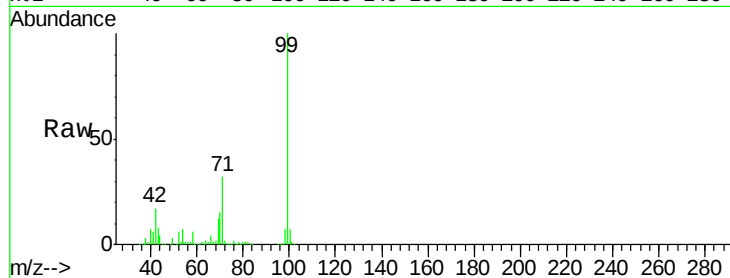
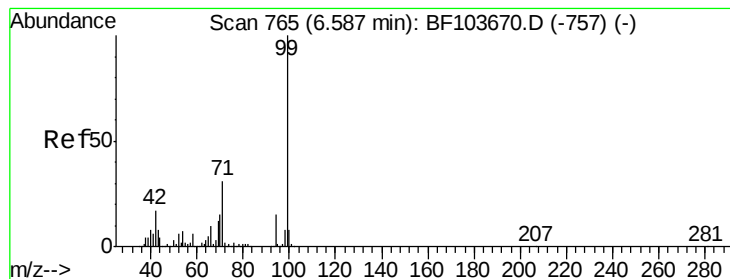


#5

2-Fluorophenol
Concen: 119.615 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.03 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

Tgt Ion:112 Resp: 1213949
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 28.0 23.7 35.5





#7

Phenol-d6

Concen: 109.495 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

Instrument :

BNA_F

ClientSampleId :

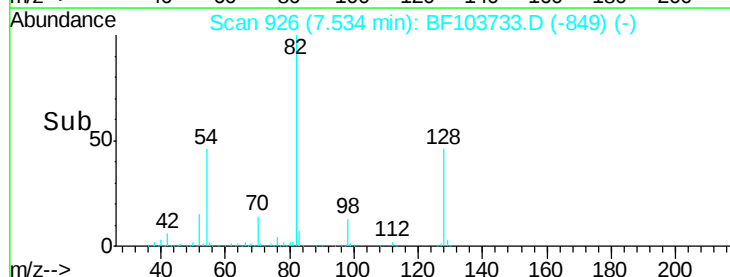
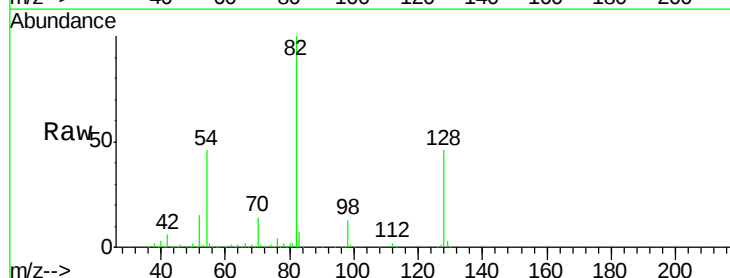
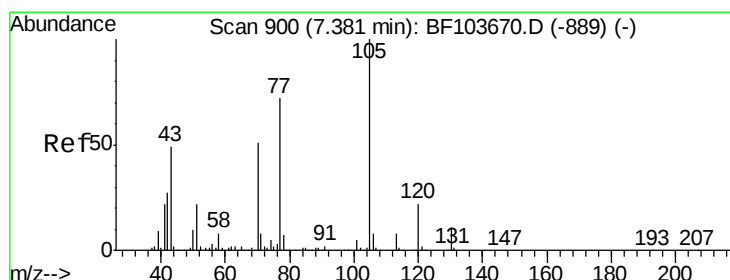
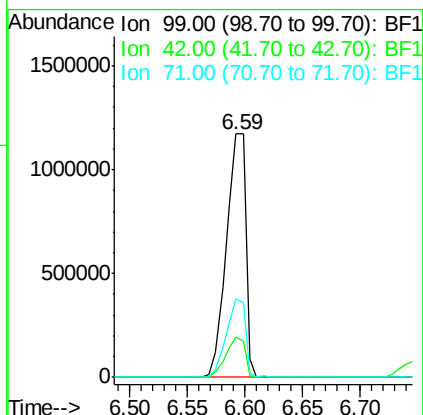
Tot Ion: 99 Resp: 1359536

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.403 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

Tgt Ion: 70 Resp: 130522

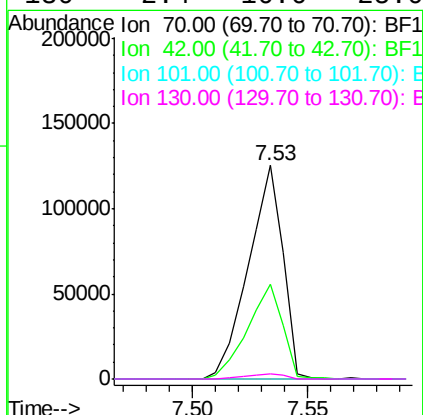
Ion Ratio Lower Upper

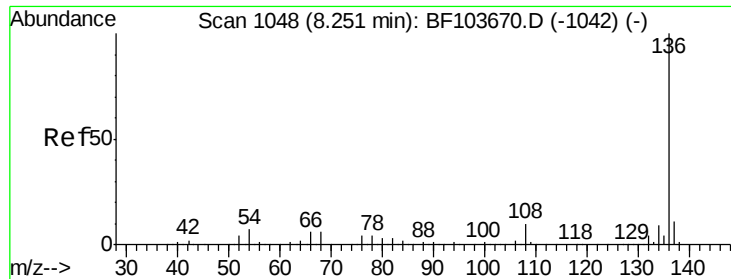
70 100

42 44.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

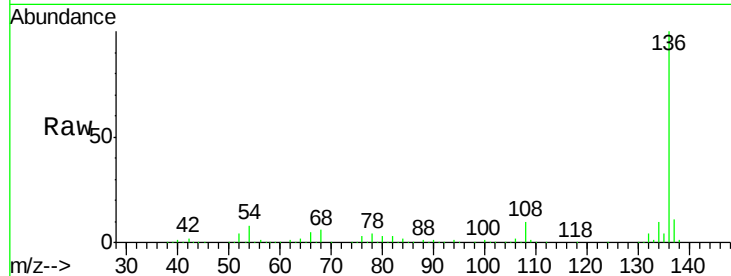




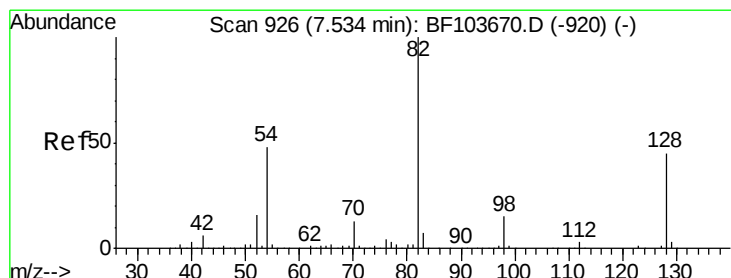
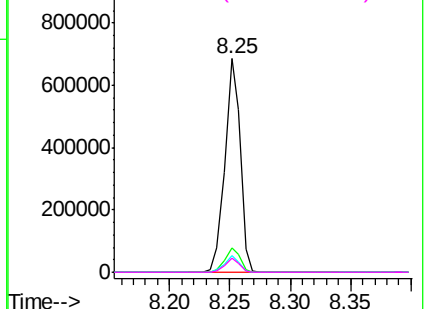
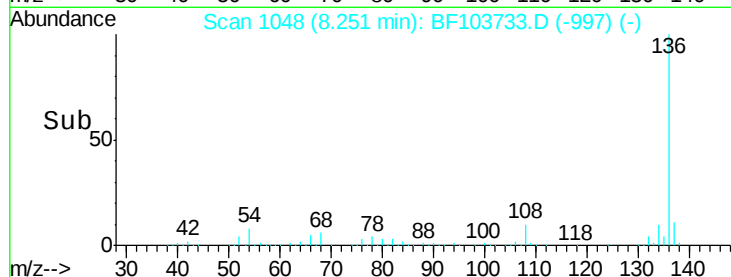
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	600739
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.7	6.6	9.8
68	6.5	5.0	7.4

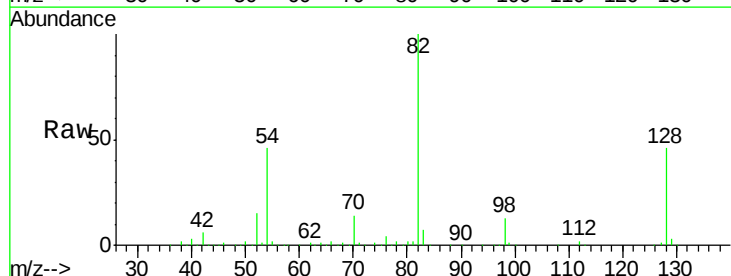


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

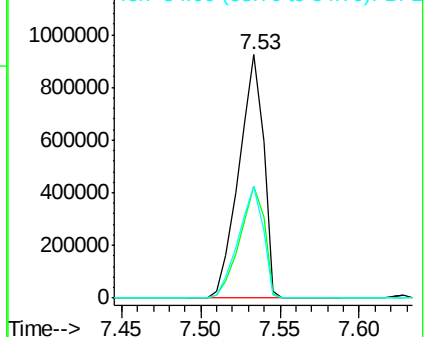
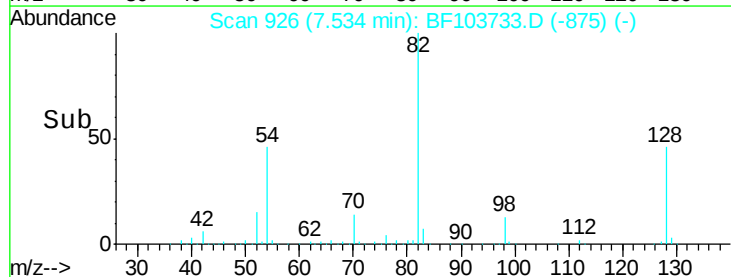


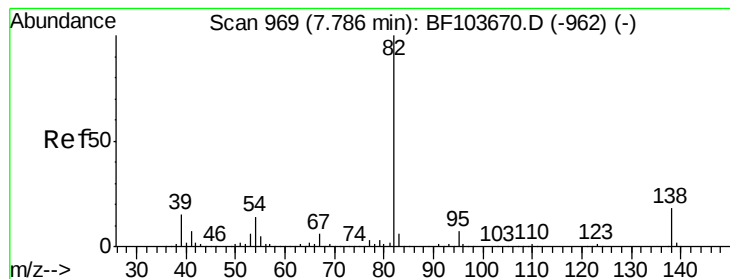
#23
Nitrobenzene-d5
Concen: 115.176 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

Tgt Ion:	82	Resp:	992180
Ion	Ratio	Lower	Upper
82	100		
128	45.7	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: 49.753 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

Instrument :

BNA_F

ClientSampleId :

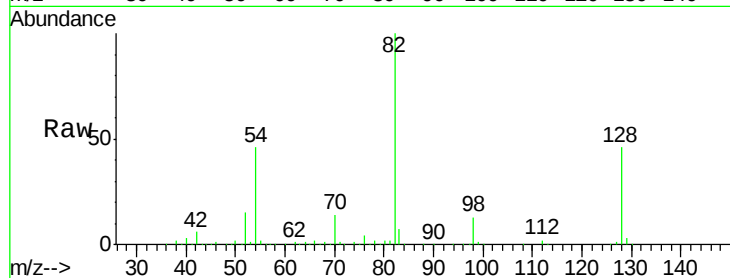
Tot Ion: 82 Resp: 992168

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

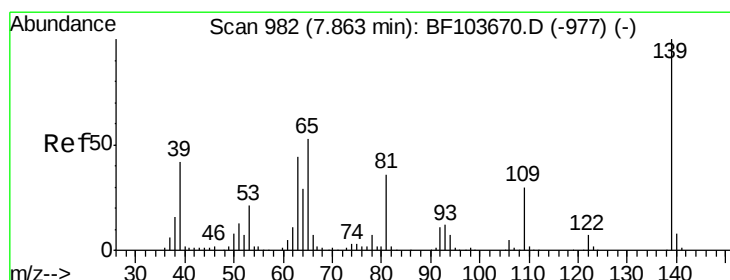
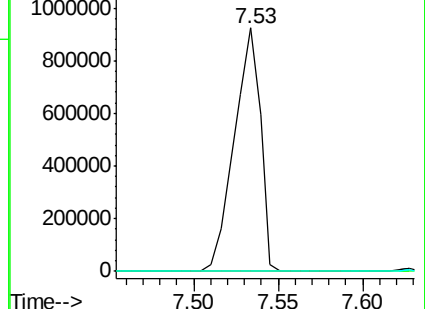
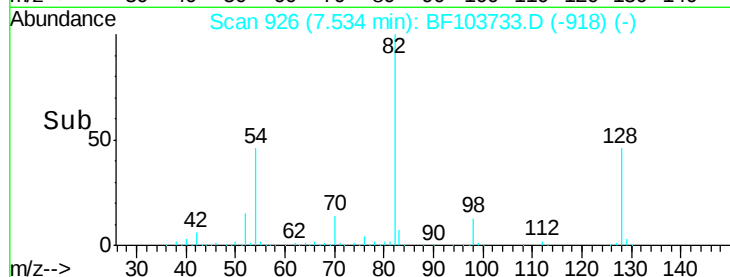
138 0.0 14.9 22.3#



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



#26

2-Nitrophenol

Concen: 9.505 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.23 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

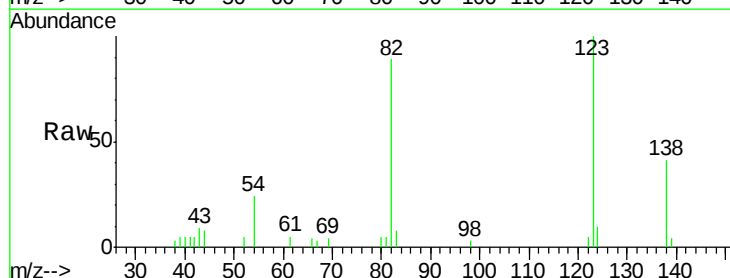
Tgt Ion: 139 Resp: 282

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

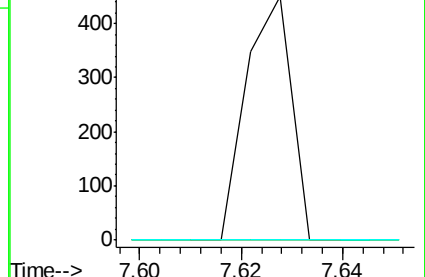
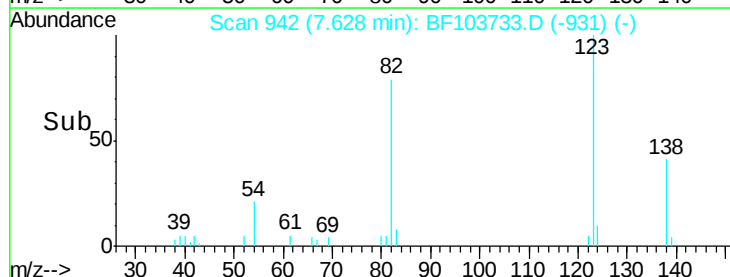
65 0.0 40.5 60.7#

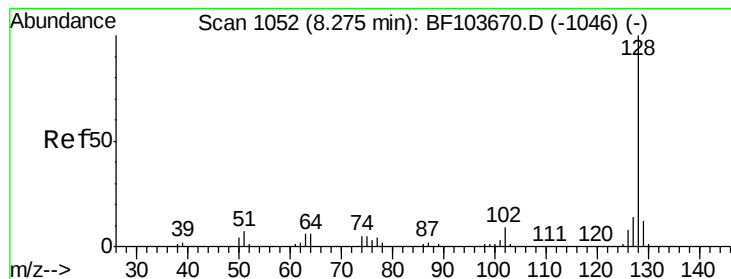


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#31

Naphthalene

Concen: 3.051 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

Instrument :

BNA_F

ClientSampleId :

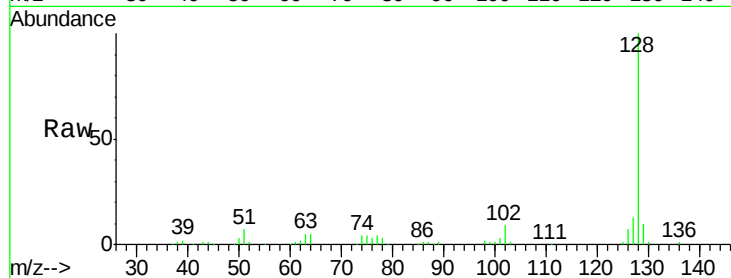
Tot Ion:128 Resp: 92591

Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

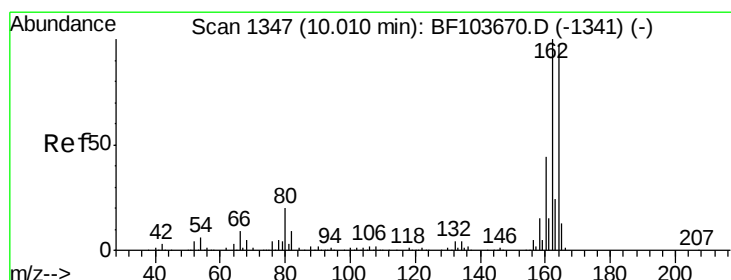
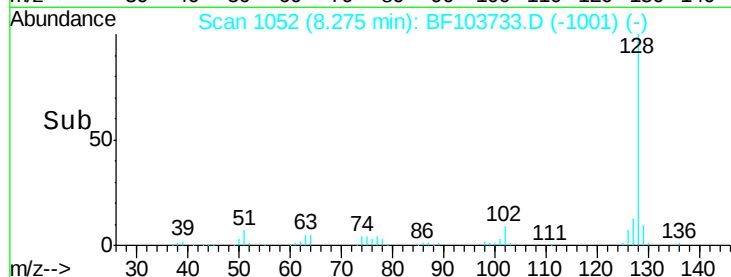
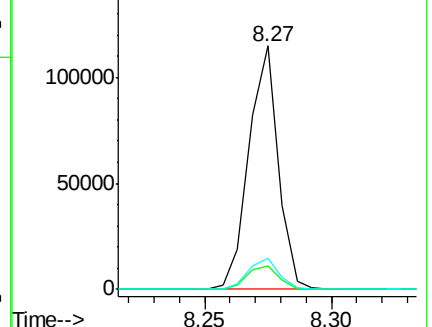
127 13.0 10.9 16.3



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

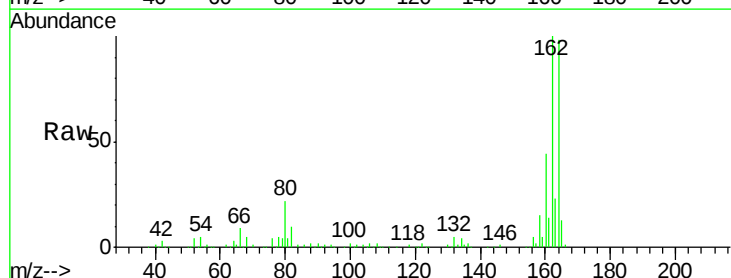
Tgt Ion:164 Resp: 243952

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

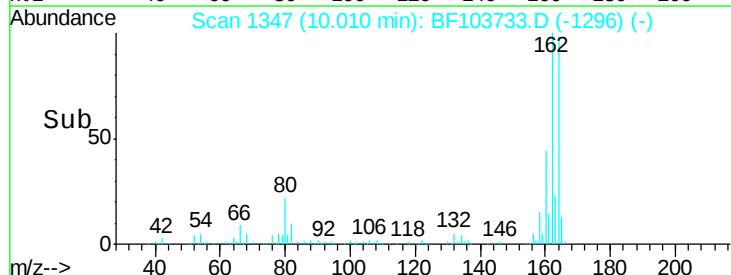
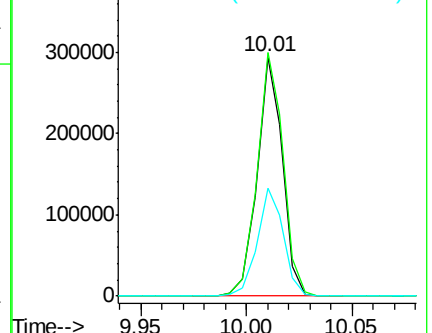
160 45.2 38.3 57.5

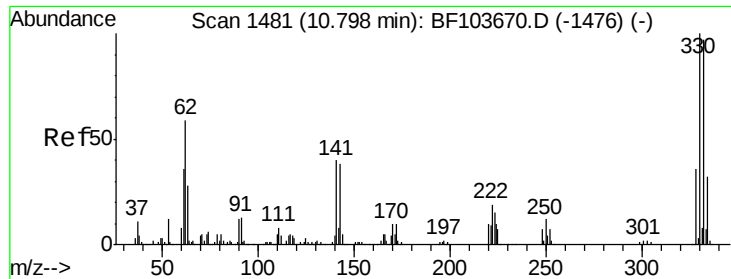


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

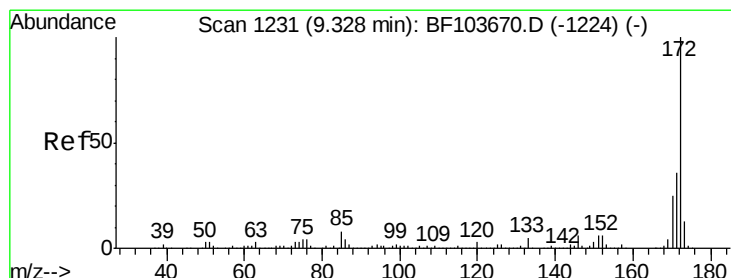
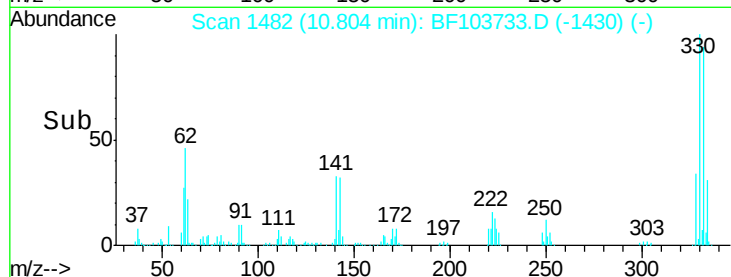
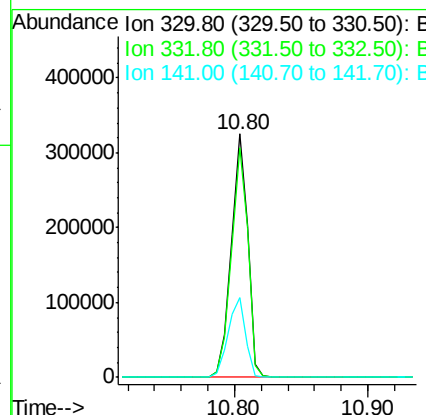
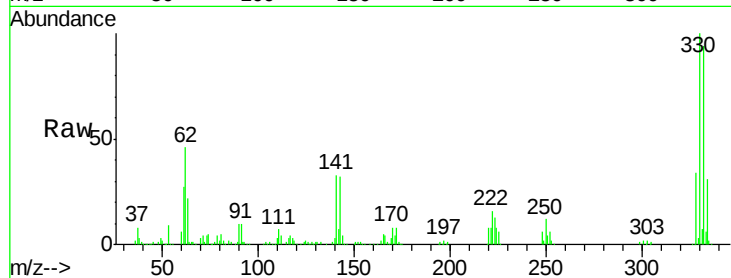




#41
 2,4,6-Tribromophenol
 Concen: 136.480 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103733.D
 Acq: 17 Mar 2018 10:18

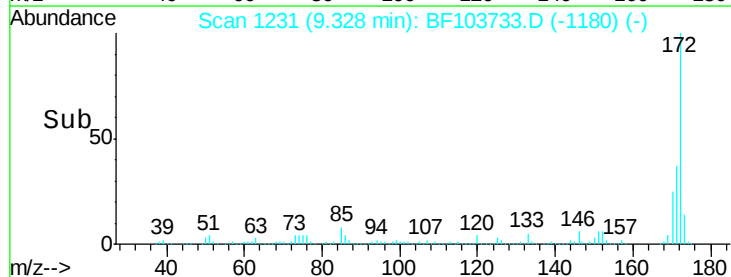
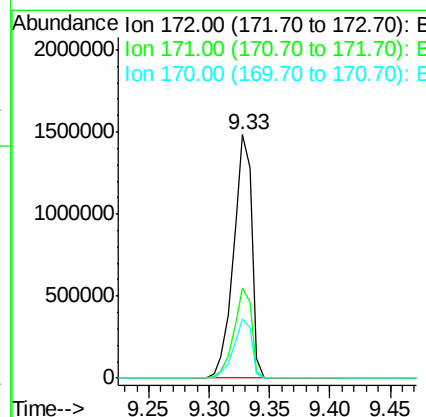
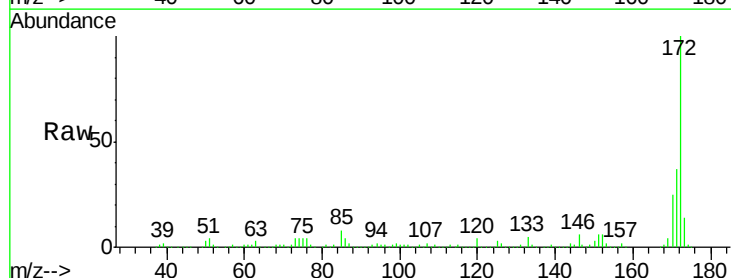
Instrument :
 BNA_F
 ClientSampleId :

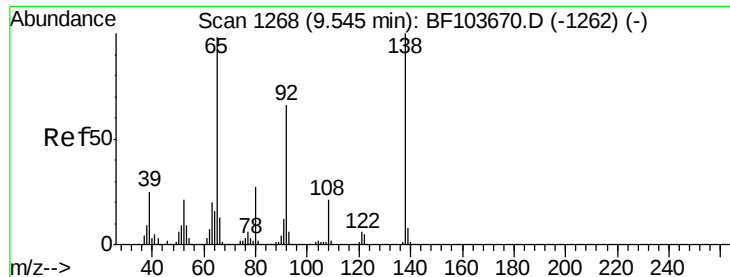
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	34.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 101.369 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103733.D
 Acq: 17 Mar 2018 10:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.5	19.6	29.4

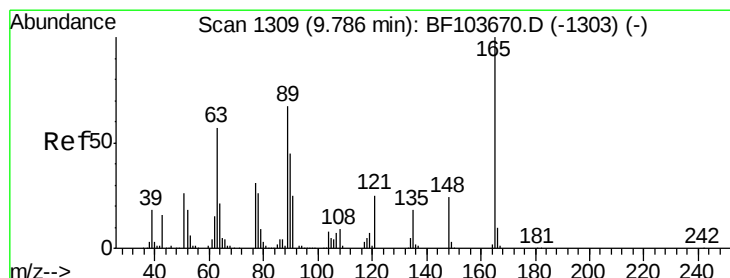
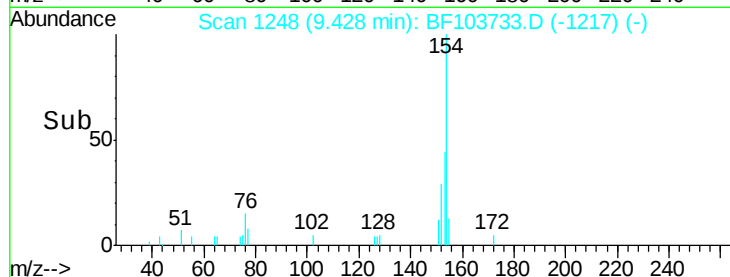
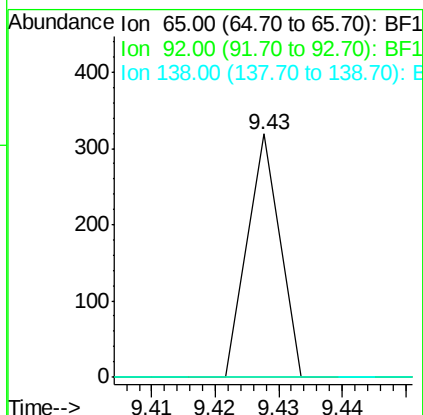
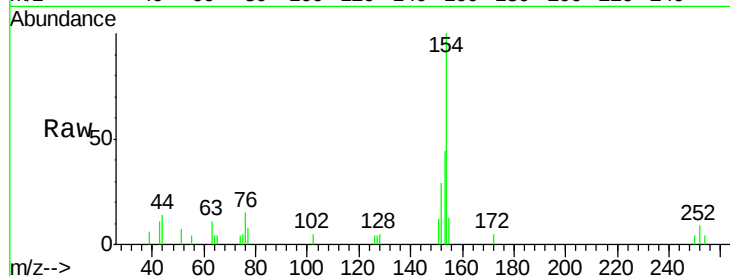




#47
2-Nitroaniline
Concen: 6.837 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.12 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

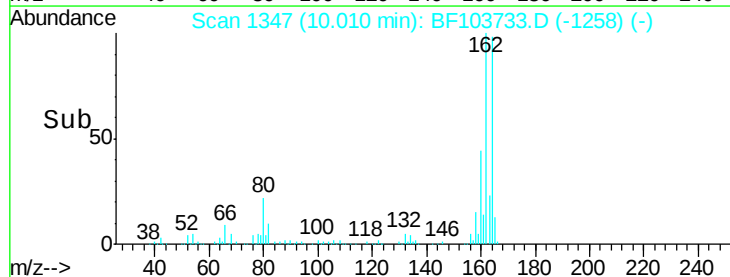
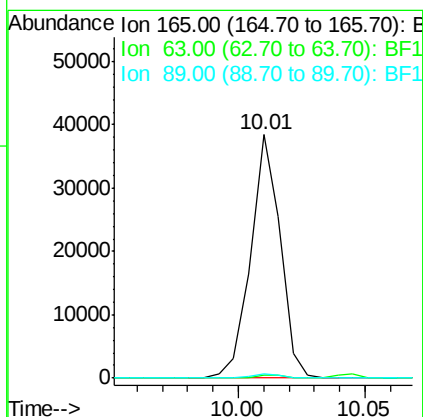
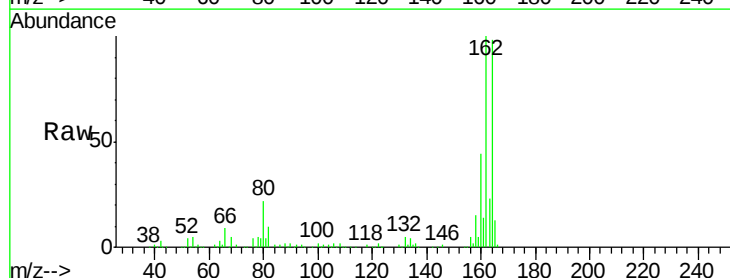
Instrument :
BNA_F
ClientSampleId :

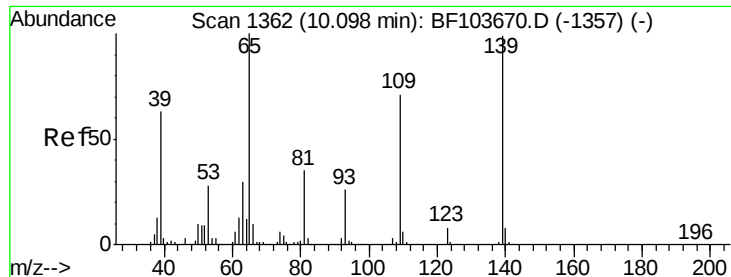
Tot Ion: 65 Resp: 113
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 11.936 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.22 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

Tgt Ion:165 Resp: 31225
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.5 44.0 66.0#

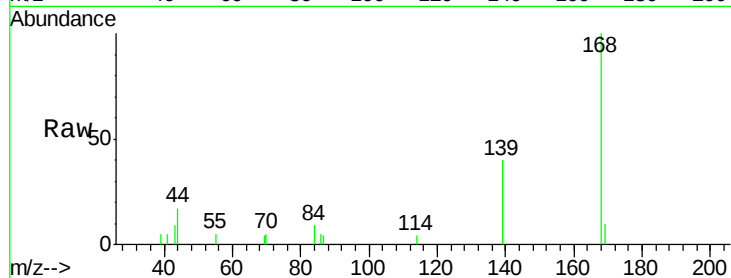




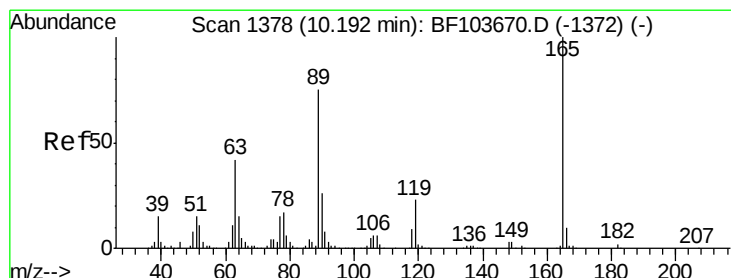
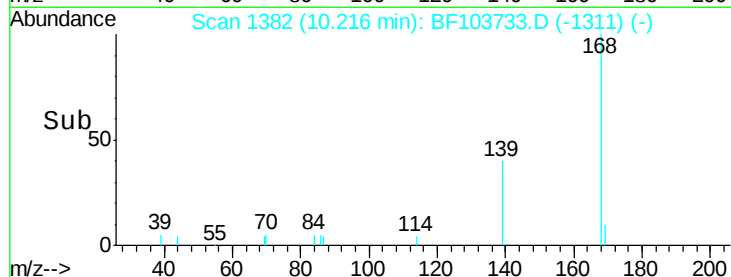
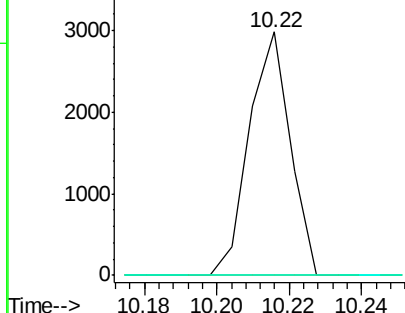
#55
4-Nitrophenol
Concen: 5.618 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2356
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

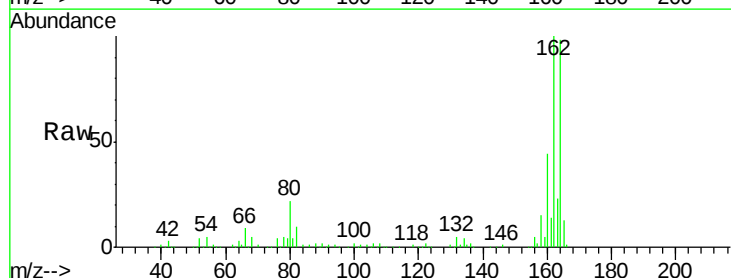


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

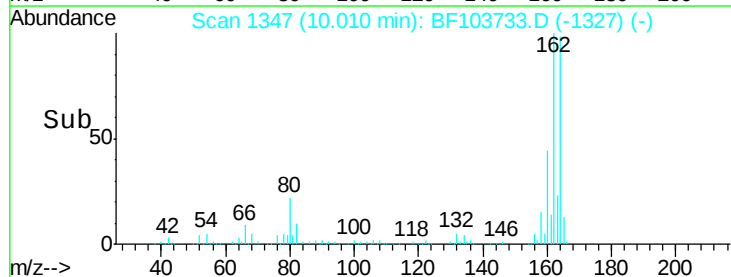
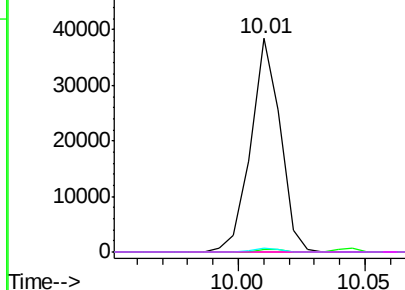


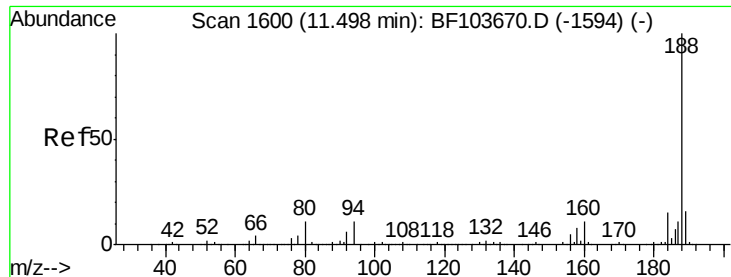
#56
2,4-Dinitrotoluene
Concen: 12.173 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103733.D
Acq: 17 Mar 2018 10:18

Tgt Ion:165 Resp: 31225
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.5 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

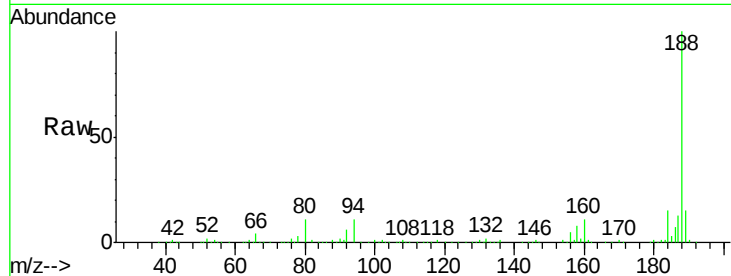




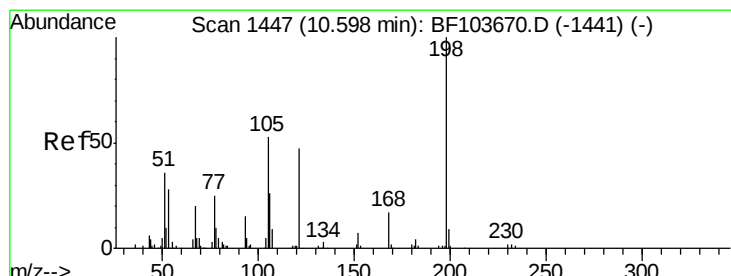
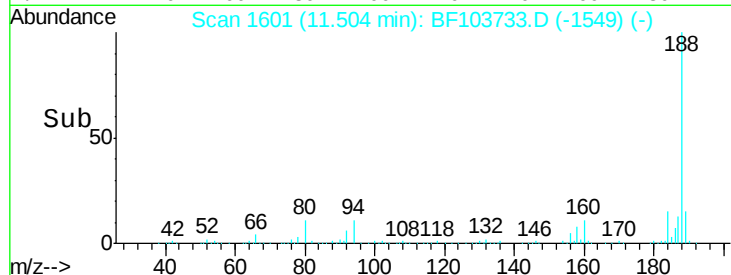
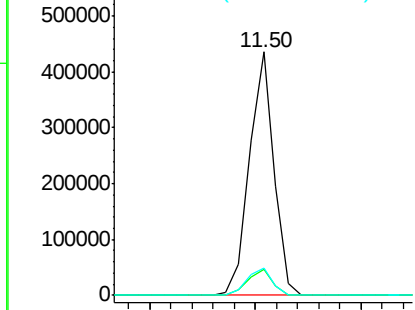
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103733.D
 Acq: 17 Mar 2018 10:18

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:188 Resp: 350689
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.1 9.2 13.8

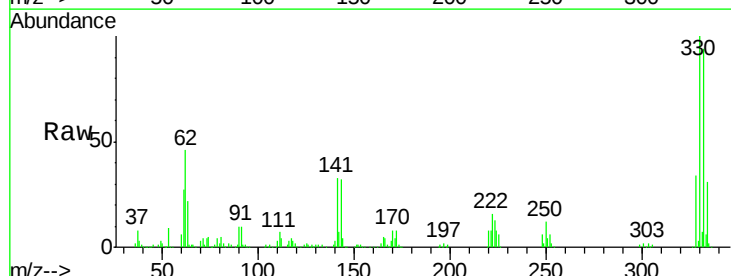


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

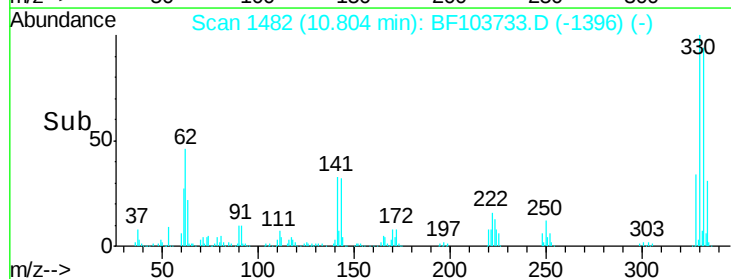
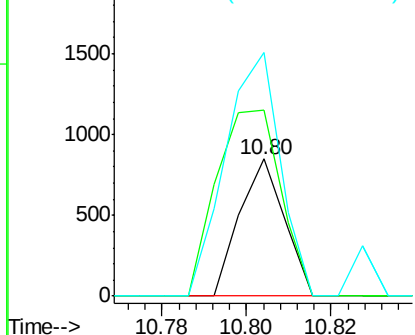


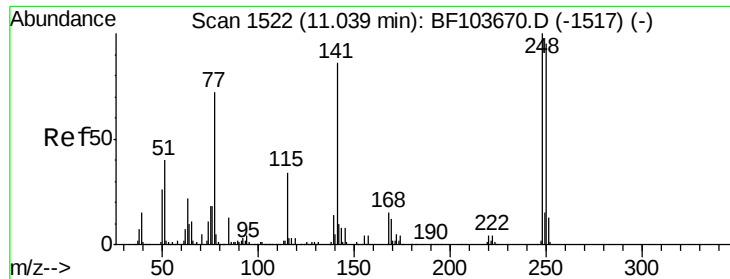
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.649 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103733.D
 Acq: 17 Mar 2018 10:18

Tgt Ion:198 Resp: 623
 Ion Ratio Lower Upper
 198 100
 51 135.6 37.7 77.7#
 105 177.8 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

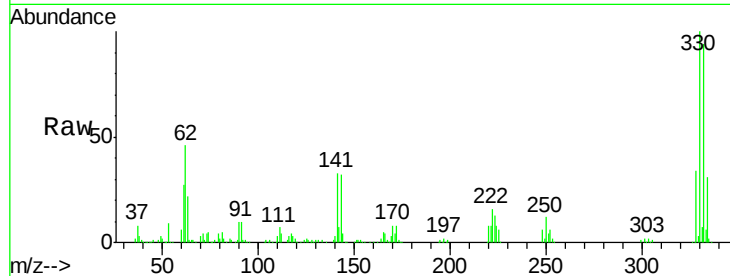




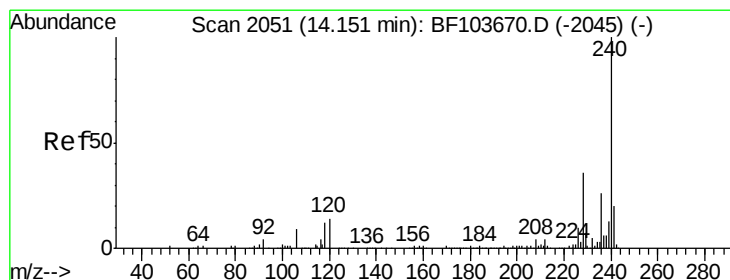
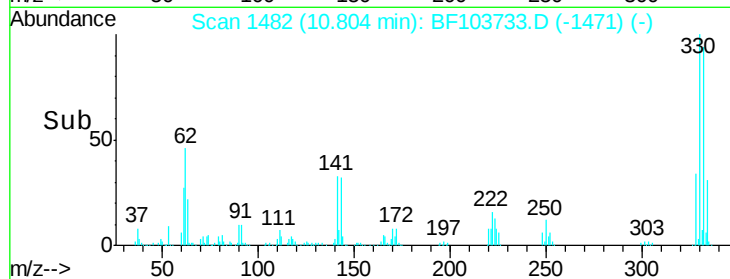
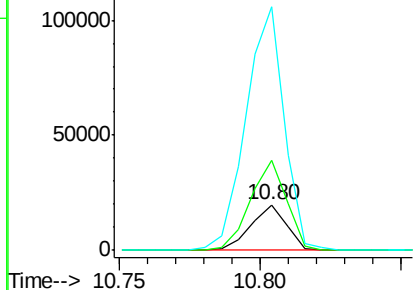
#66
 4-Bromophenyl-phenylether
 Concen: 4.846 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.24 min
 Lab File: BF103733.D
 Acq: 17 Mar 2018 10:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17450
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 531.1 74.4 111.6#

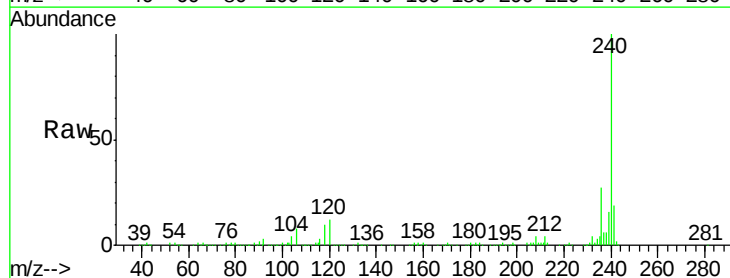


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

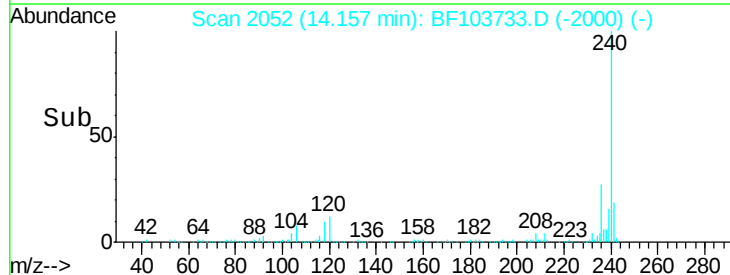
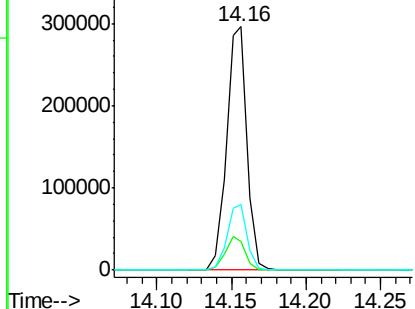


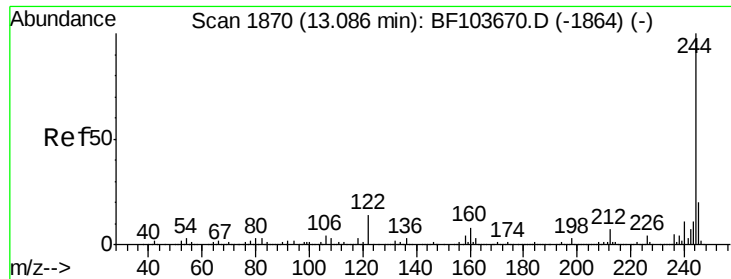
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BF103733.D
 Acq: 17 Mar 2018 10:18

Tgt Ion:240 Resp: 286931
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.5 14.3
 236 27.0 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

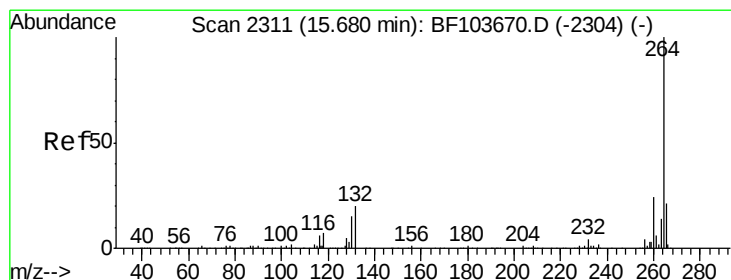
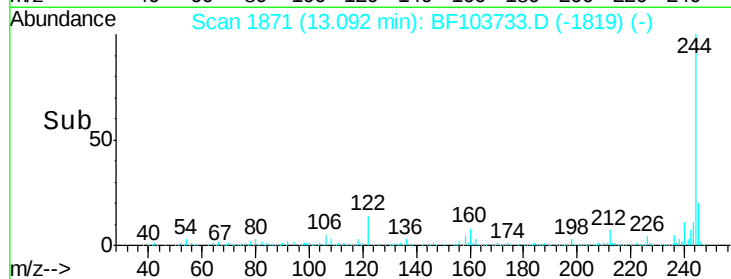
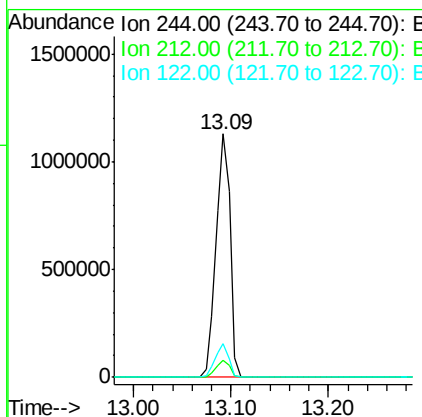
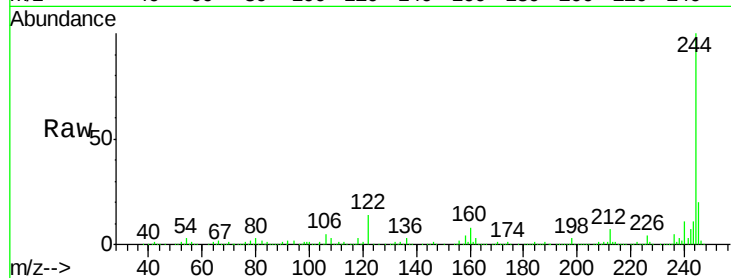




#78
 Terphenyl-d14
 Concen: 90.974 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103733.D
 Acq: 17 Mar 2018 10:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1124580
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 13.8 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: BF103733.D
 Acq: 17 Mar 2018 10:18

Tgt Ion:264 Resp: 225761
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 22.2 17.5 26.3

