

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103742.D
 Acq On : 17 Mar 2018 14:18
 Operator : JU/SJ
 Sample : J1756-06
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 07:05:36 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	164163	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	645420	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	272913	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	396017	20.00	ng	0.00
75) Chrysene-d12	14.15	240	284114	20.00	ng	0.00
86) Perylene-d12	15.69	264	213266	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1248372	115.66	ng	0.03
7) Phenol-d6	6.60	99	1394008	105.57	ng	0.01
23) Nitrobenzene-d5	7.53	82	1049956	113.44	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	317964	135.50	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1621600	94.78	ng	0.00
78) Terphenyl-d14	13.09	244	1204656	98.42	ng	0.00

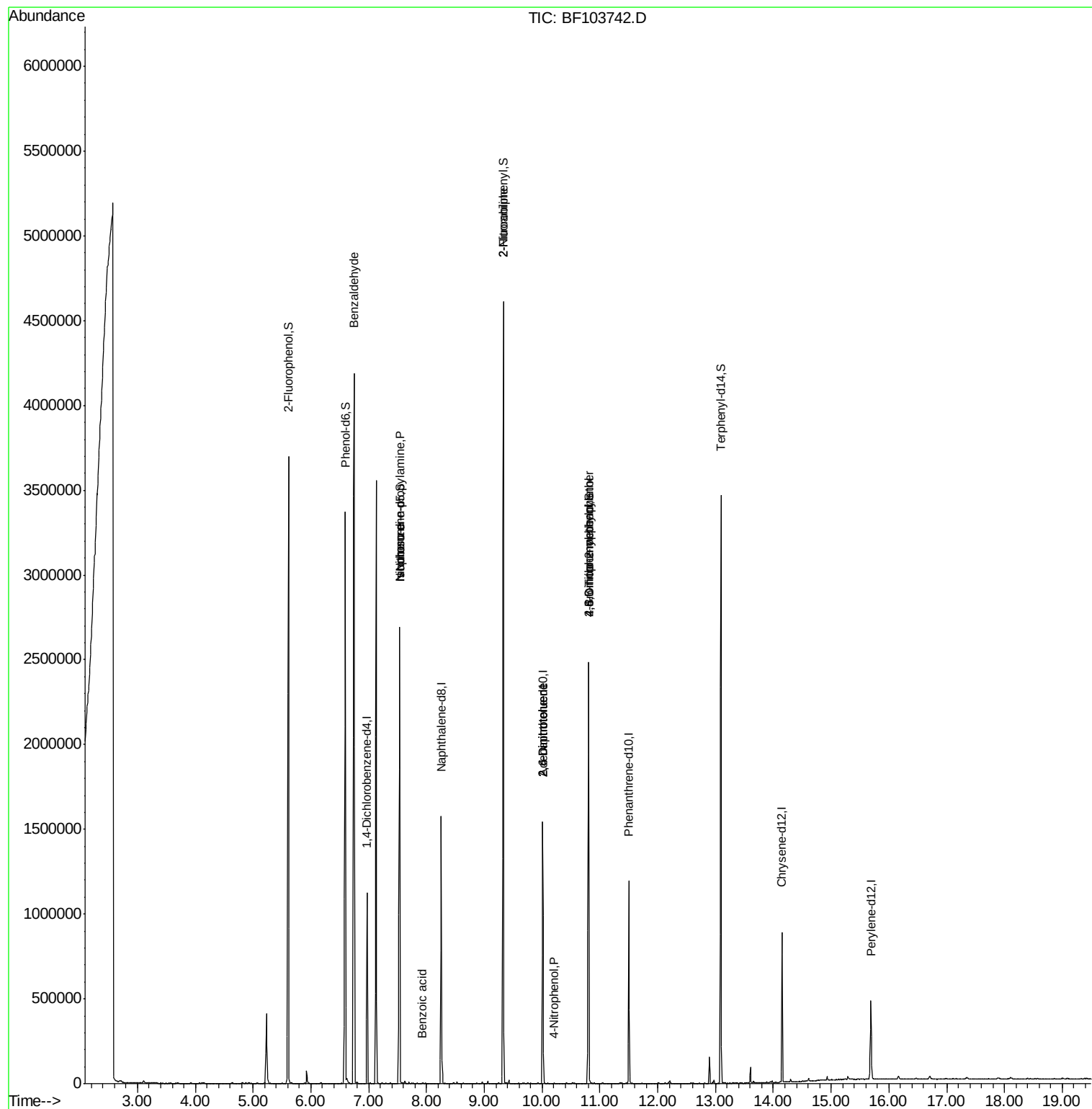
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	29061	3.350	ng	82
19) n-Nitroso-di-n-propylamine	7.53	70	137879	16.293	ng	# 75
25) Isophorone	7.53	82	1049942	49.005	ng	# 64
32) Benzoic acid	7.93	122	659	9.986	ng	# 85
47) 2-Nitroaniline	9.33	65	2624	7.290	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	34902	11.930	ng	# 25
55) 4-Nitrophenol	10.22	139	306	5.045	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	34902	12.168	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	723	8.664	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19394	4.770	ng	# 1

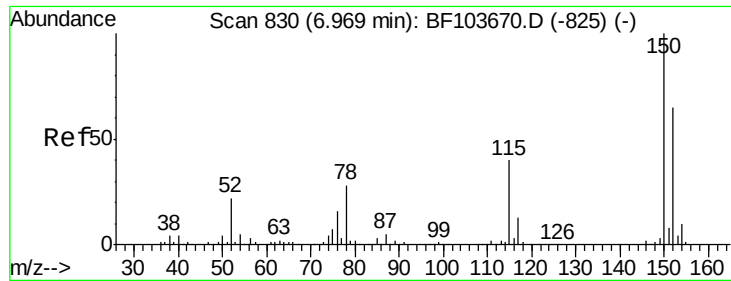
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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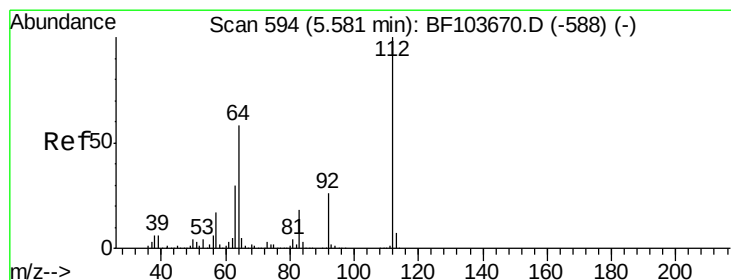
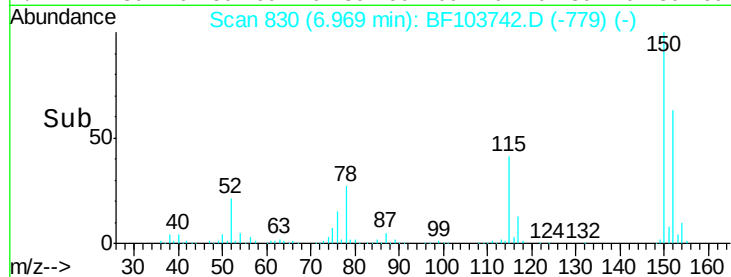
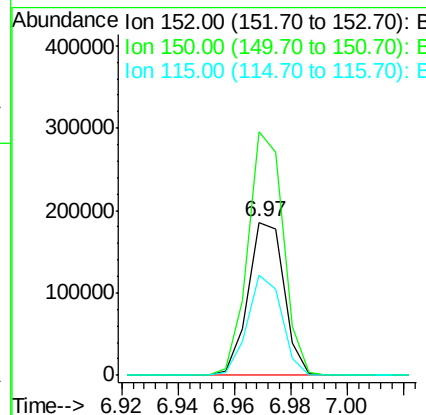
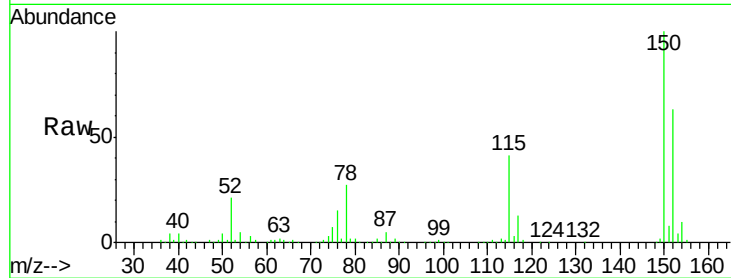


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

Instrument :
BNA_F
ClientSampleId :

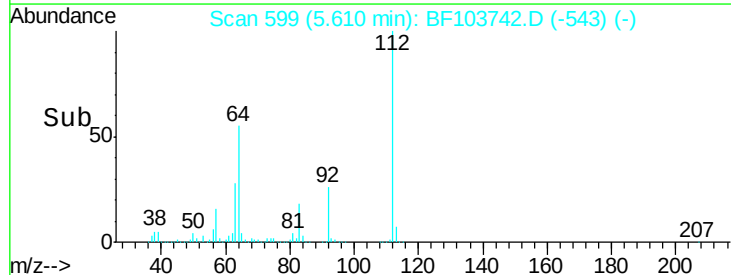
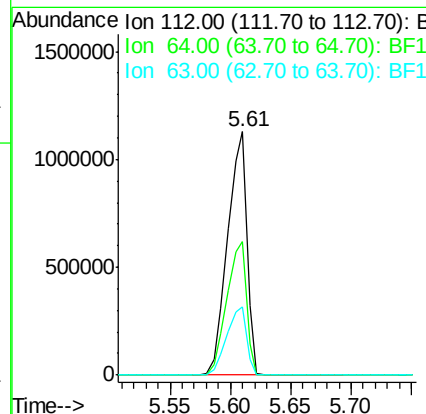
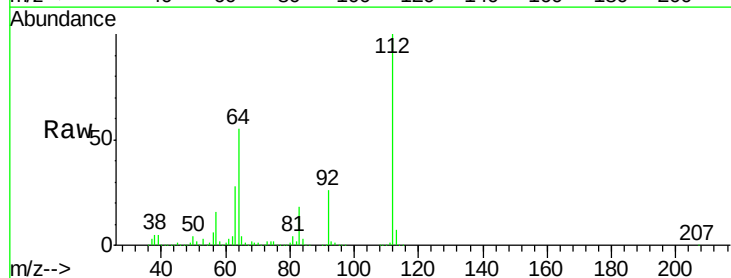
Tot Ion:152 Resp: 164163
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 65.3 50.1 75.1

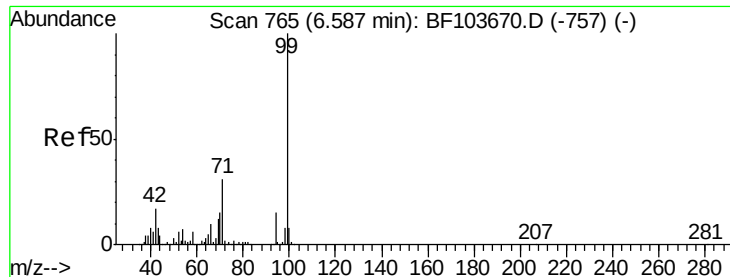


#5

2-Fluorophenol
Concen: 115.663 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.03 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

Tgt Ion:112 Resp: 1248372
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 27.8 23.7 35.5





#7

Phenol-d6

Concen: 105.570 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103742.D

Acq: 17 Mar 2018 14:18

Instrument :

BNA_F

ClientSampleId :

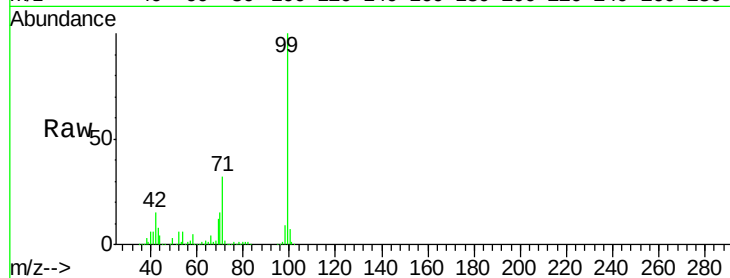
Tot Ion: 99 Resp: 1394008

Ion Ratio Lower Upper

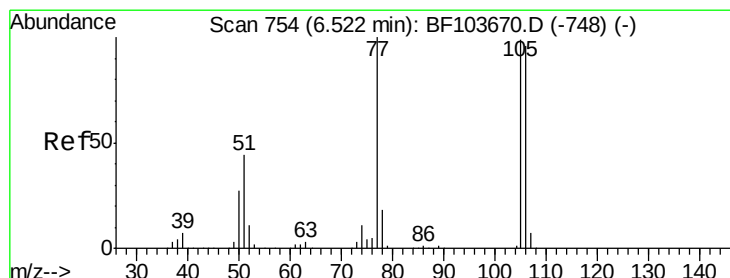
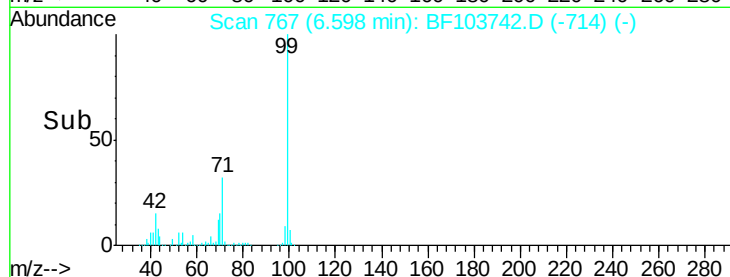
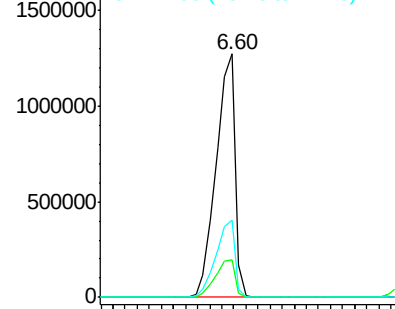
99 100

42 15.3 14.5 21.7

71 31.6 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: 3.350 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103742.D

Acq: 17 Mar 2018 14:18

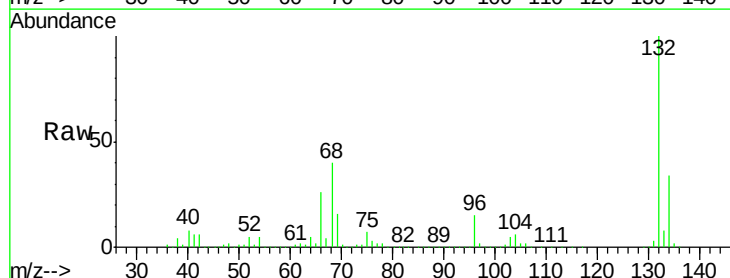
Tgt Ion: 77 Resp: 29061

Ion Ratio Lower Upper

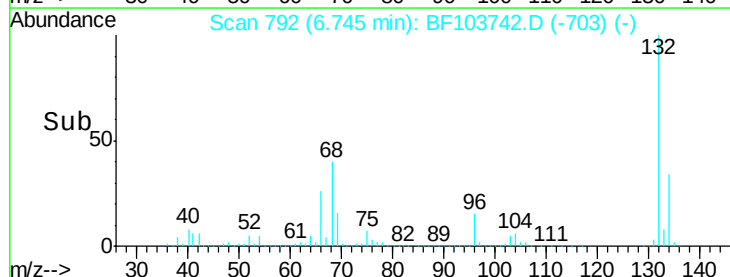
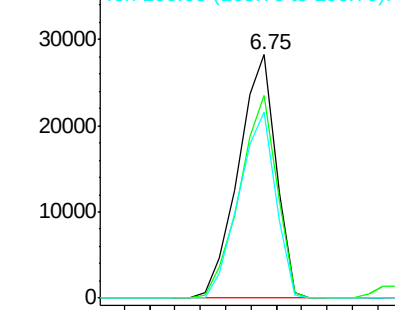
77 100

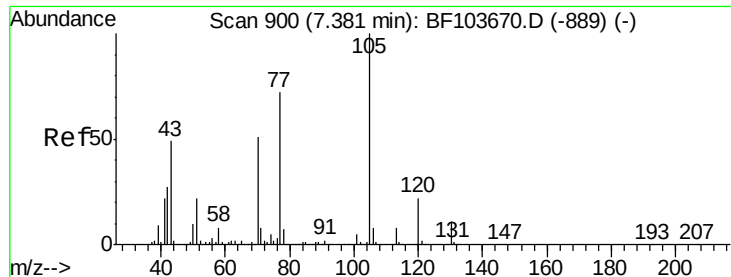
105 83.5 81.1 121.1

106 76.4 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

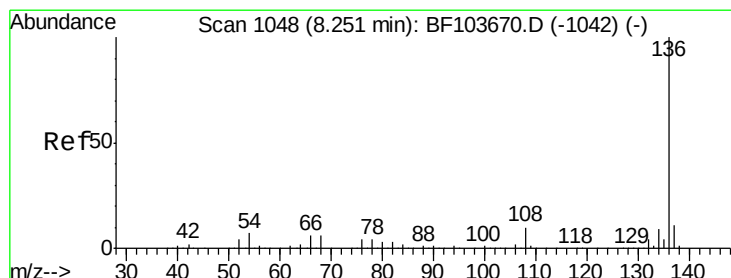
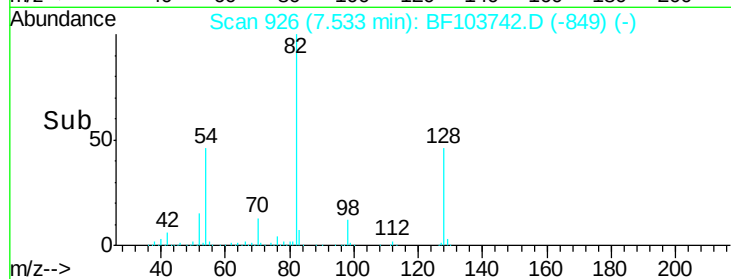
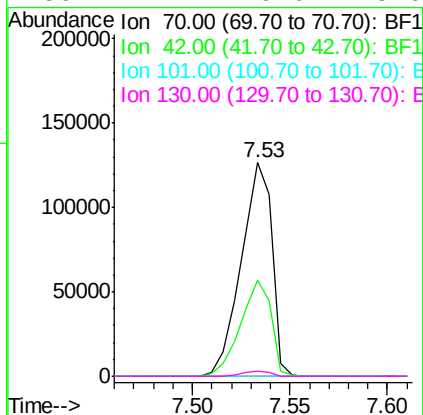
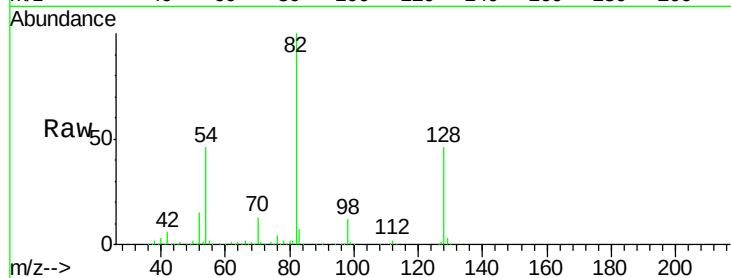




#19
n-Nitroso-di-n-propylamine
Concen: 16.293 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

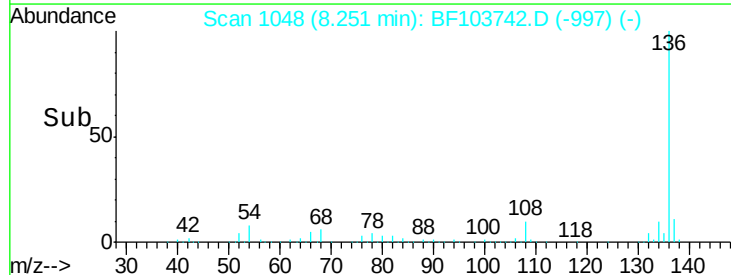
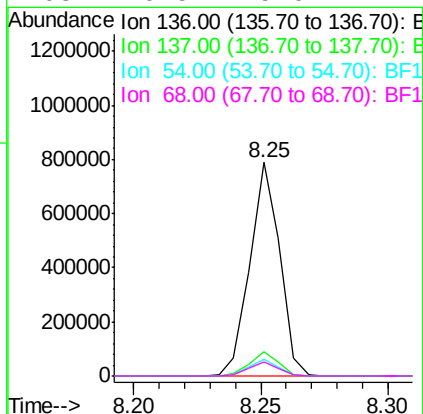
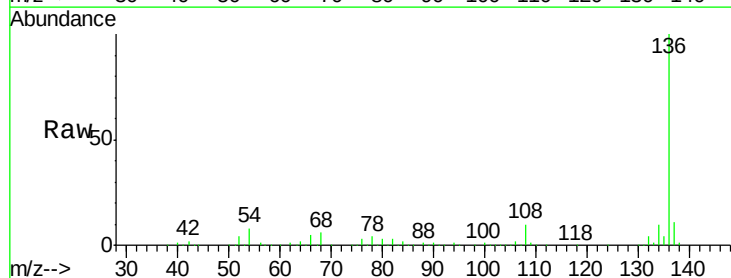
Instrument :
BNA_F
ClientSampleId :

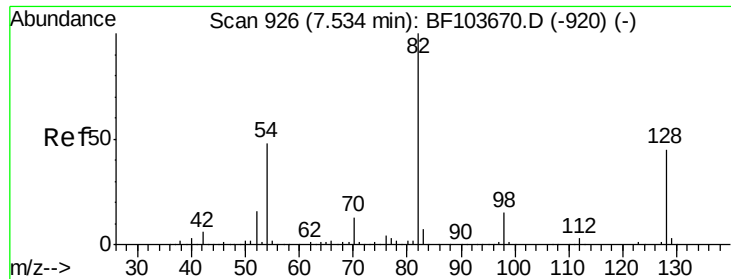
Tot Ion: 70 Resp: 137879
Ion Ratio Lower Upper
70 100
42 45.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

Tgt Ion:136 Resp: 645420
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.6 6.6 9.8
68 6.5 5.0 7.4

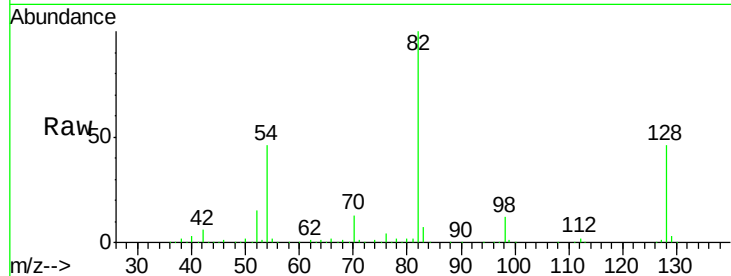




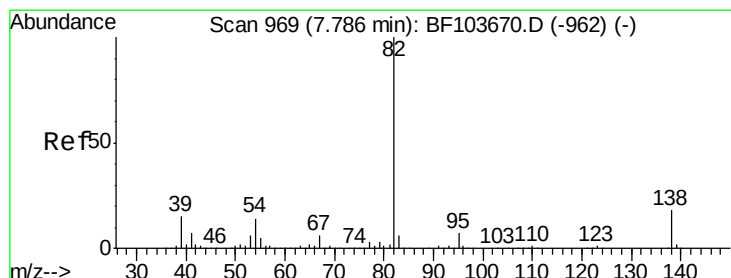
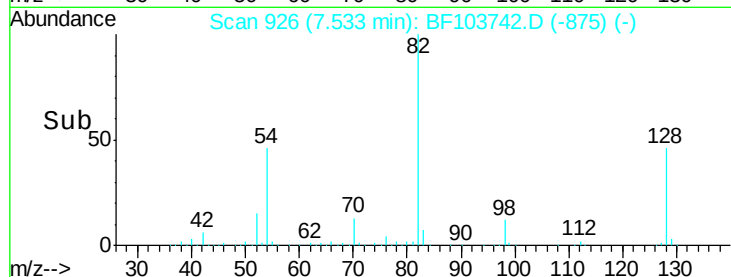
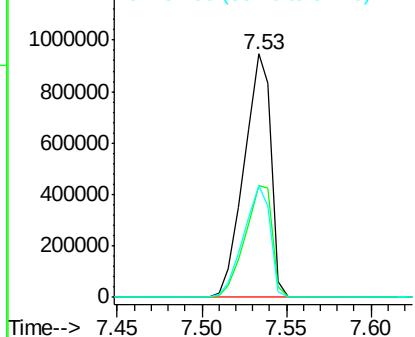
#23
 Nitrobenzene-d5
 Concen: 113.445 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF103742.D
 Acq: 17 Mar 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1049956
 Ion Ratio Lower Upper
 82 100
 128 45.9 36.1 54.1
 54 46.2 41.4 62.2

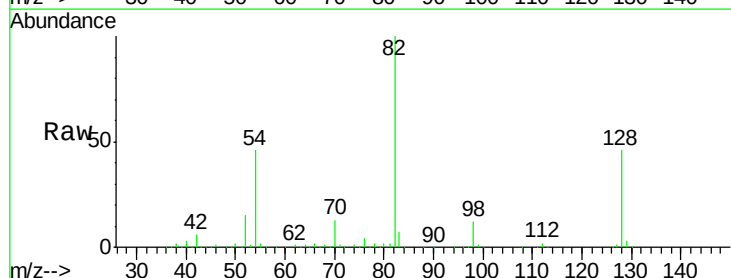


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

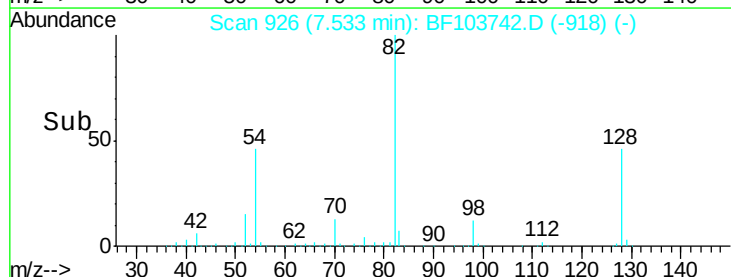
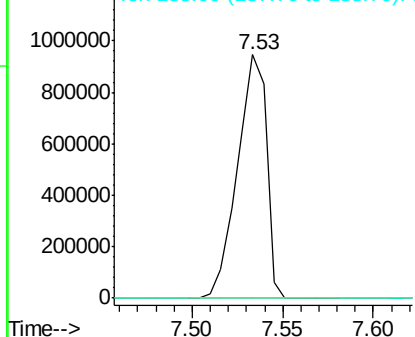


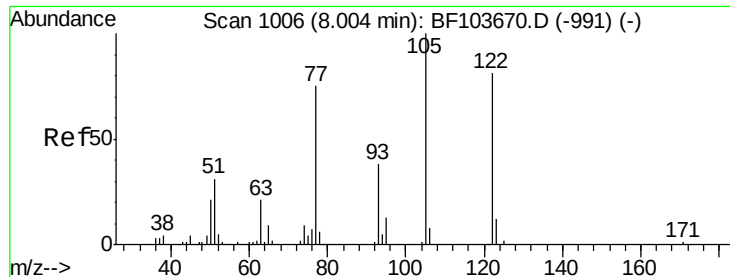
#25
 Isophorone
 Concen: 49.005 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF103742.D
 Acq: 17 Mar 2018 14:18

Tgt Ion: 82 Resp: 1049942
 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

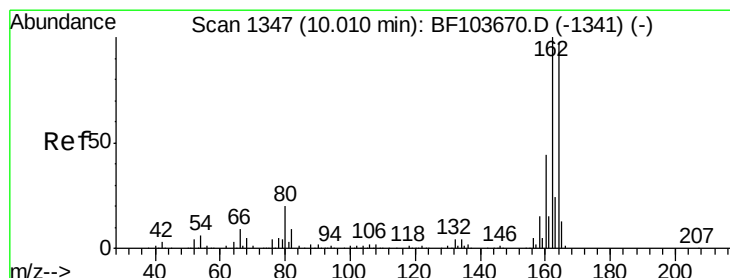
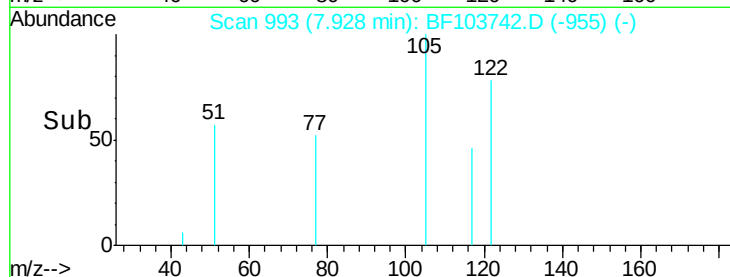
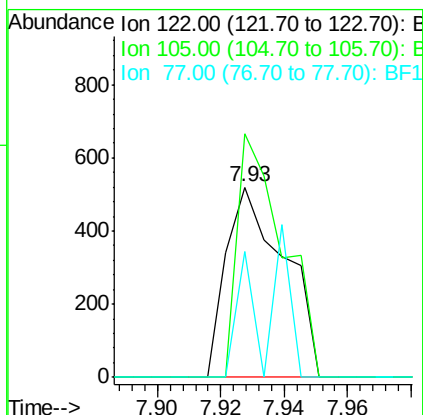
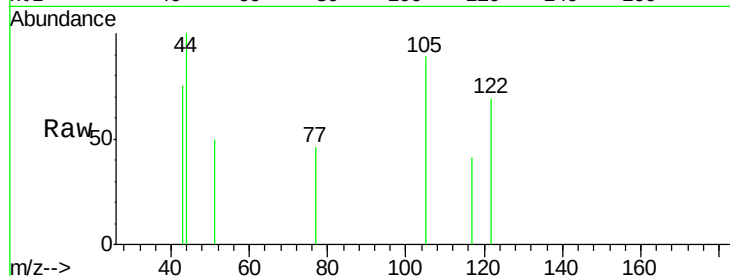




#32
Benzoic acid
Concen: 9.986 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.08 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

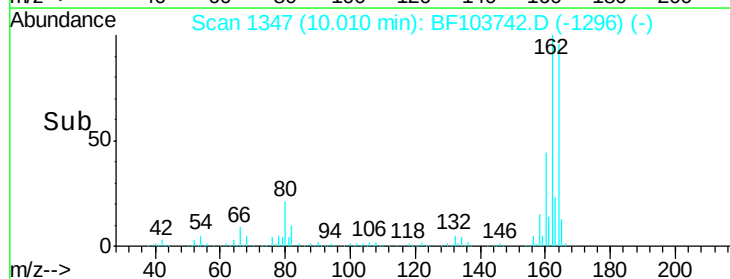
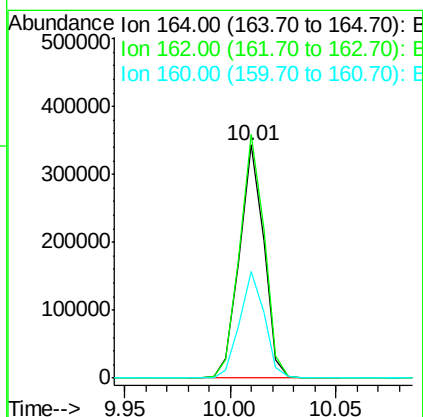
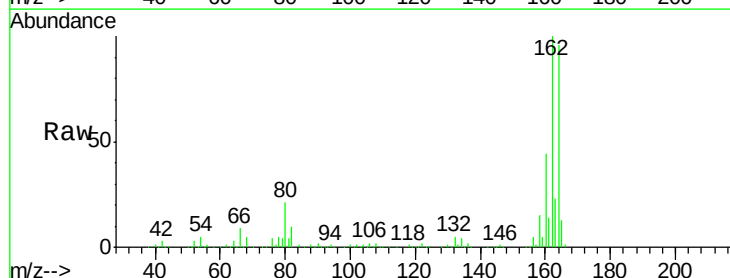
Instrument :
BNA_F
ClientSampled :

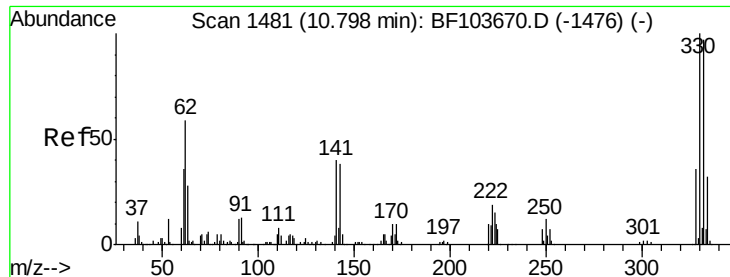
Tot Ion:122 Resp: 659
Ion Ratio Lower Upper
122 100
105 128.1 101.1 141.1
77 66.2 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

Tgt Ion:164 Resp: 272913
Ion Ratio Lower Upper
164 100
162 104.6 86.1 129.1
160 45.7 38.3 57.5

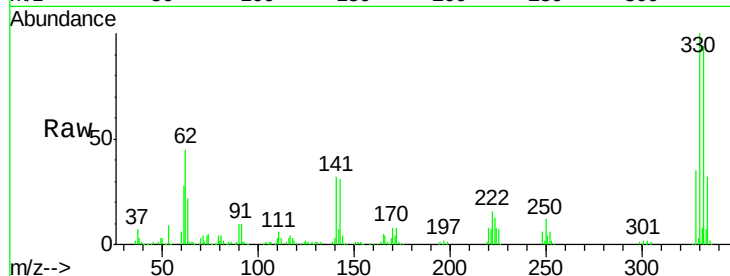




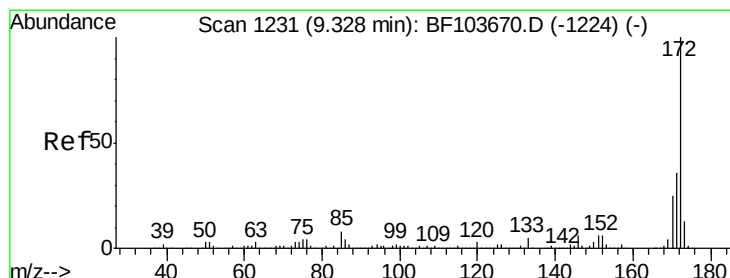
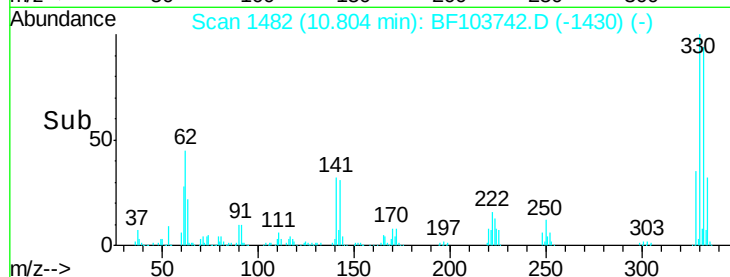
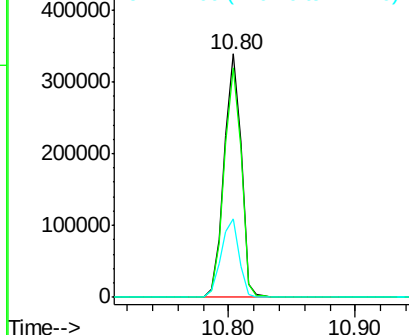
#41
 2,4,6-Tribromophenol
 Concen: 135.504 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103742.D
 Acq: 17 Mar 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	34.2	29.9	44.9

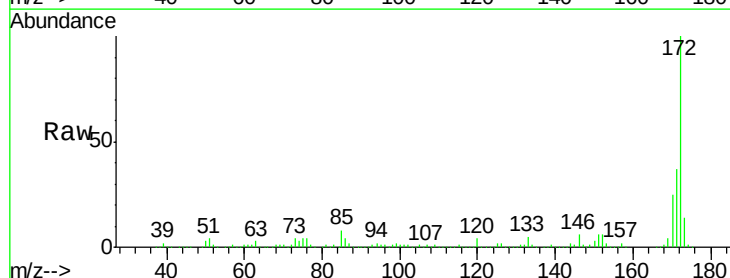


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

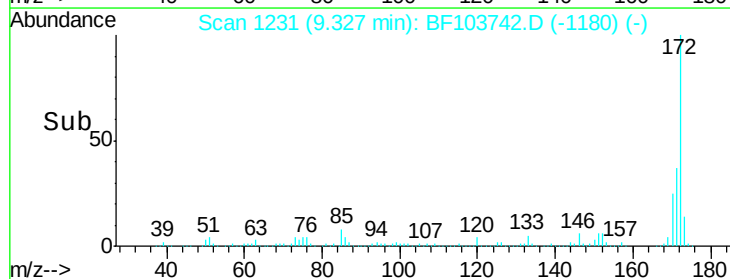
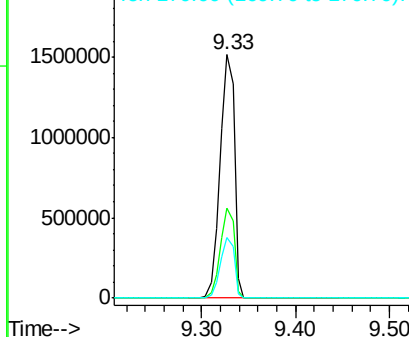


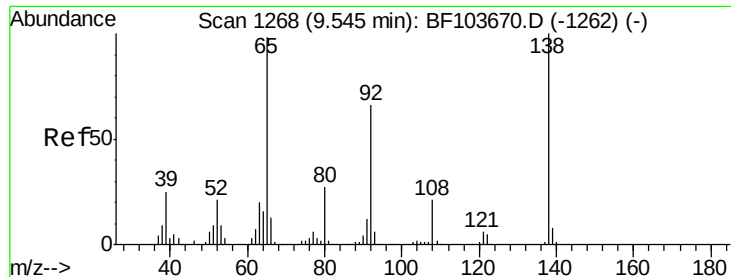
#44
 2-Fluorobiphenyl
 Concen: 94.781 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103742.D
 Acq: 17 Mar 2018 14:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.7	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: 7.290 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.22 min

Lab File: BF103742.D

Acq: 17 Mar 2018 14:18

Instrument :

BNA_F

ClientSampleId :

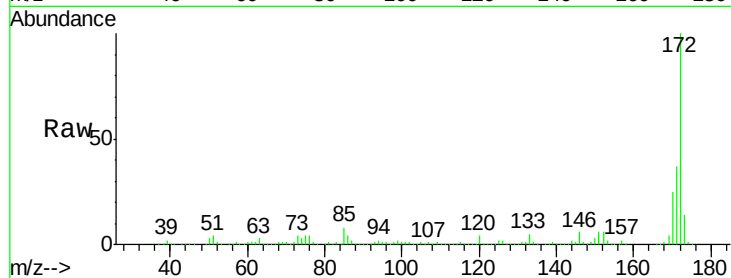
Tot Ion: 65 Resp: 2624

Ion Ratio Lower Upper

65 100

92 244.7 55.8 83.6#

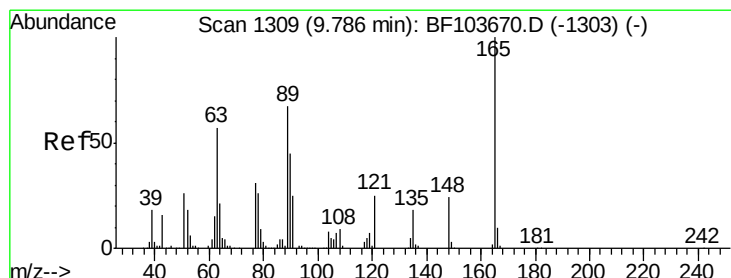
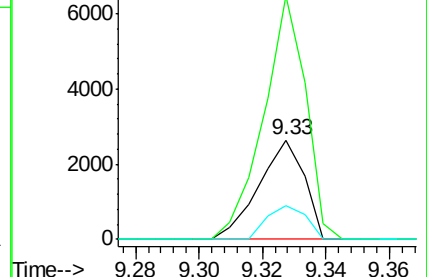
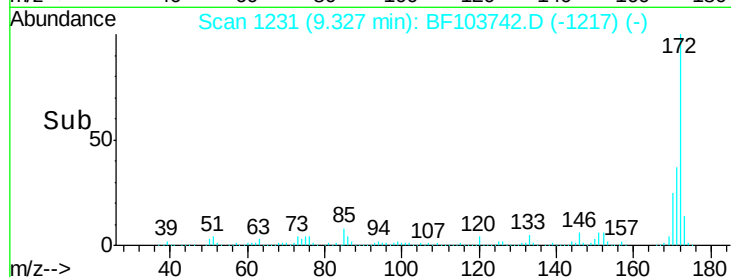
138 33.7 91.2 136.8#



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): BF1



#50

2,6-Dinitrotoluene

Concen: 11.930 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103742.D

Acq: 17 Mar 2018 14:18

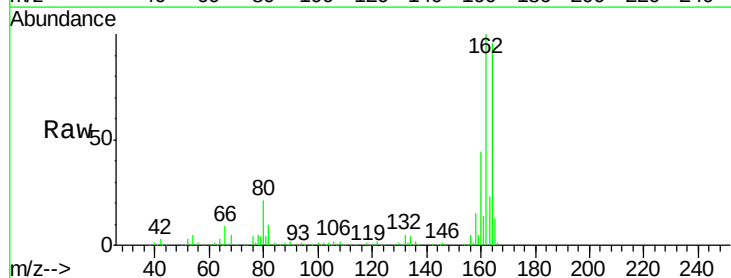
Tgt Ion:165 Resp: 34902

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

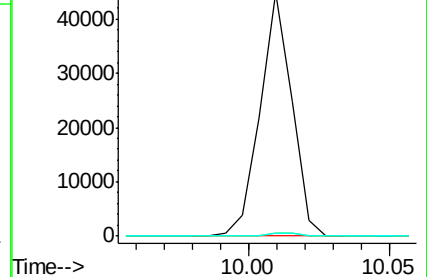
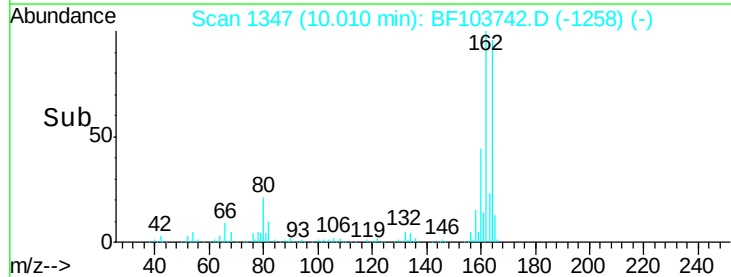
89 1.0 44.0 66.0#

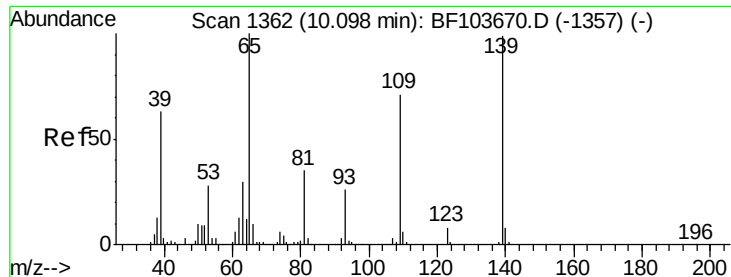


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

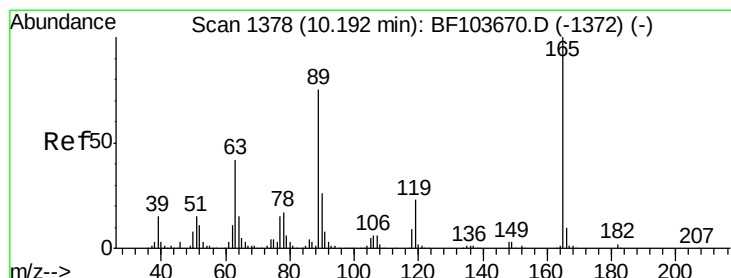
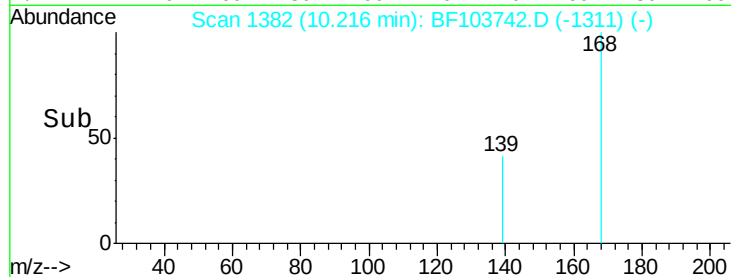
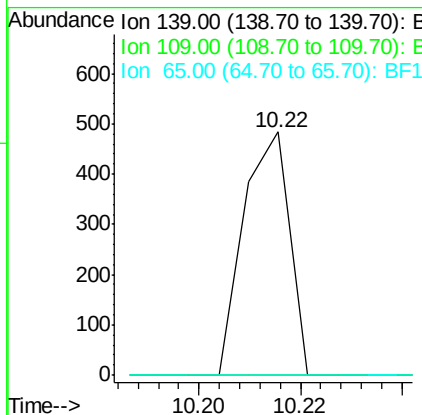
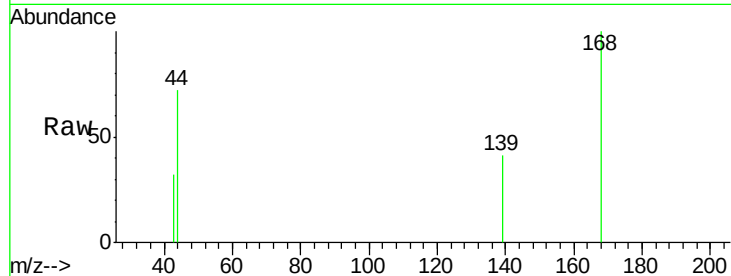




#55
4-Nitrophenol
Concen: 5.045 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

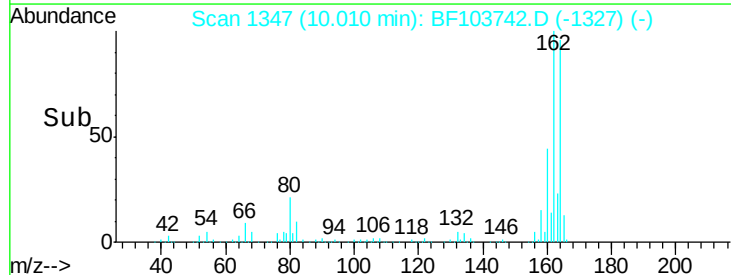
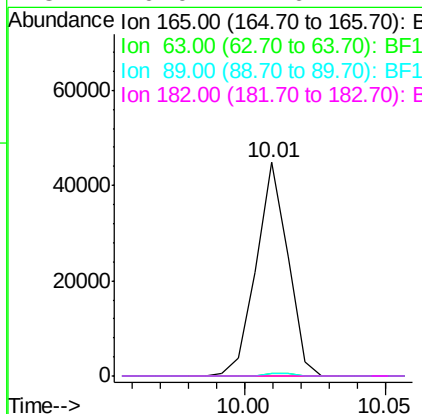
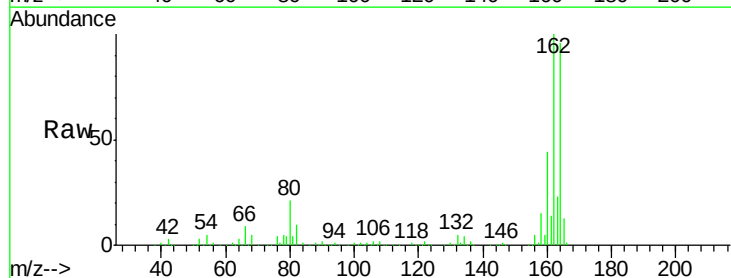
Instrument :
BNA_F
ClientSampleId :

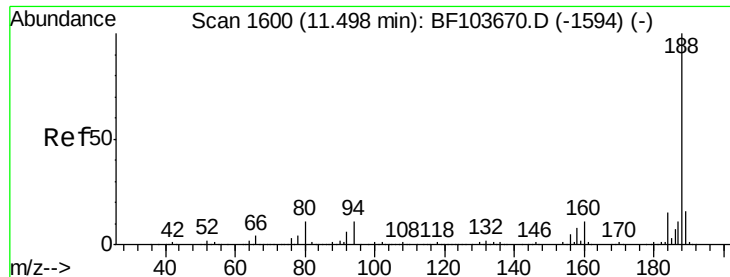
Tot Ion:139 Resp: 306
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.168 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

Tgt Ion:165 Resp: 34902
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.0 57.8 86.6#
182 0.0 1.6 2.4#

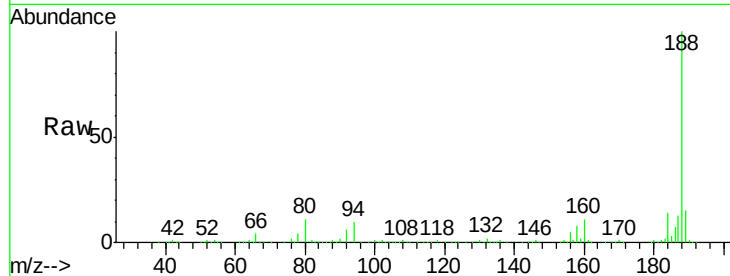




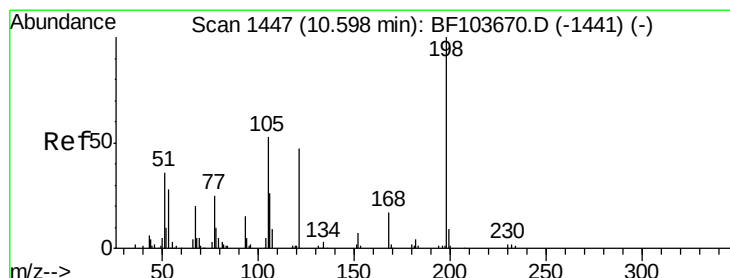
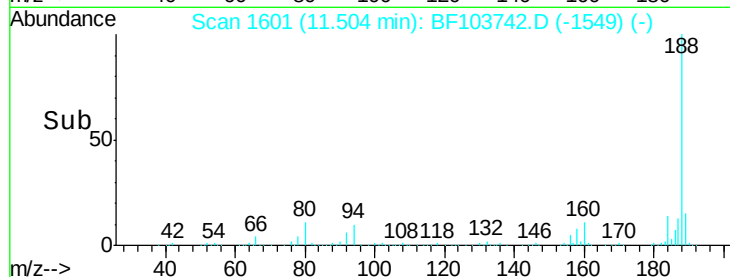
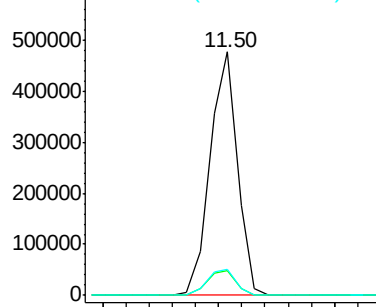
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103742.D
 Acq: 17 Mar 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 396017
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 10.8 9.2 13.8

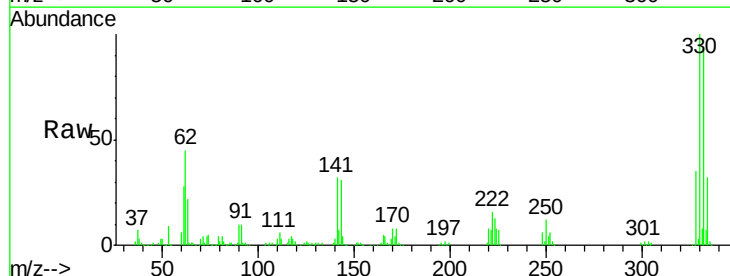


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

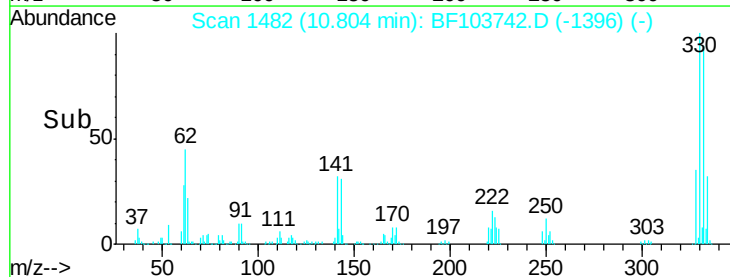
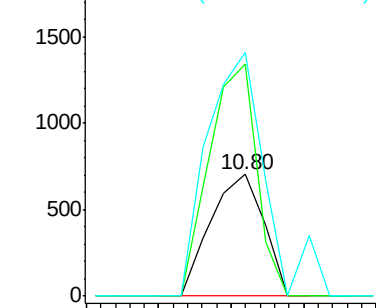


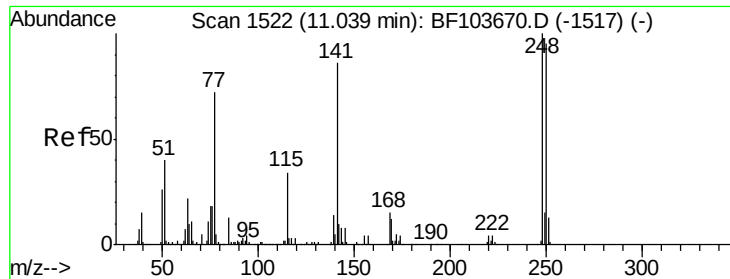
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.664 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103742.D
 Acq: 17 Mar 2018 14:18

Tgt Ion:198 Resp: 723
 Ion Ratio Lower Upper
 198 100
 51 190.6 37.7 77.7#
 105 200.3 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

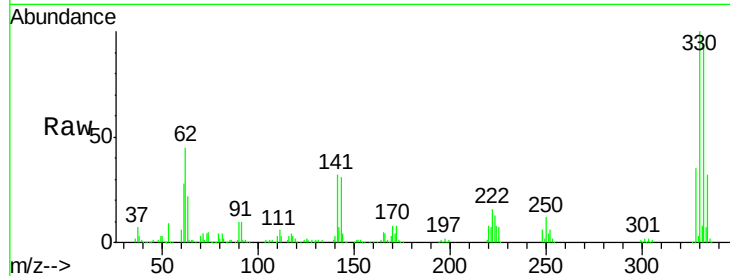




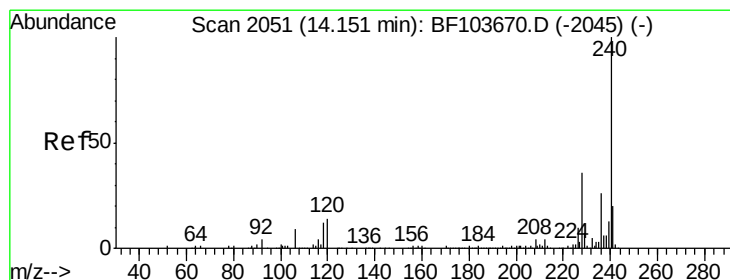
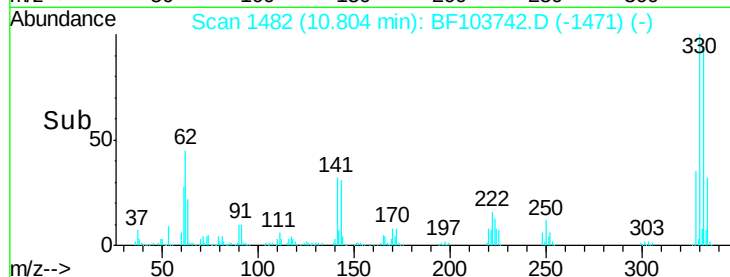
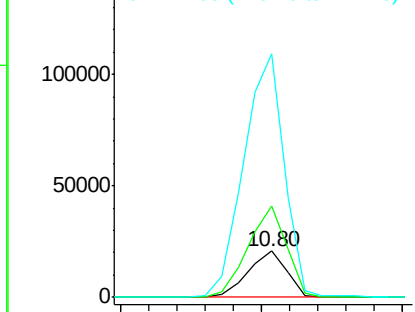
#66
4-Bromophenyl-phenylether
Concen: 4.770 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19394
Ion Ratio Lower Upper
248 100
250 198.3 76.9 115.3#
141 527.3 74.4 111.6#

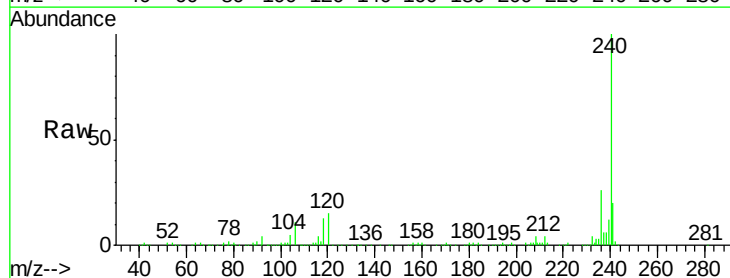


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

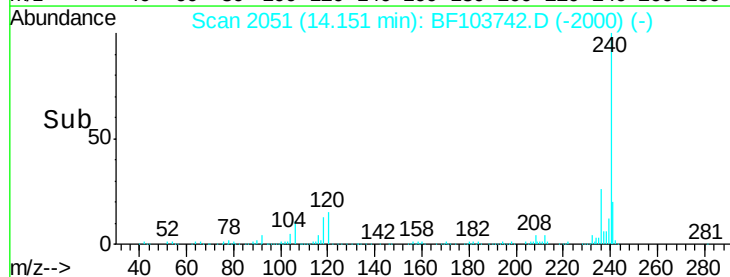
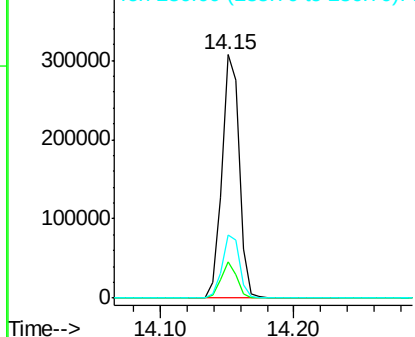


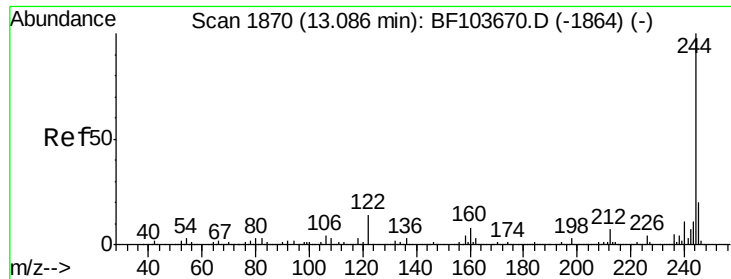
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF103742.D
Acq: 17 Mar 2018 14:18

Tgt Ion:240 Resp: 284114
Ion Ratio Lower Upper
240 100
120 15.0 9.5 14.3#
236 25.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

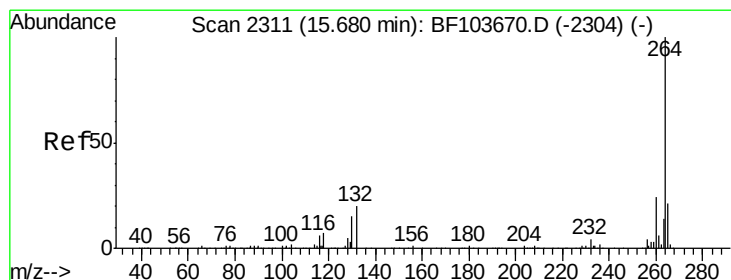
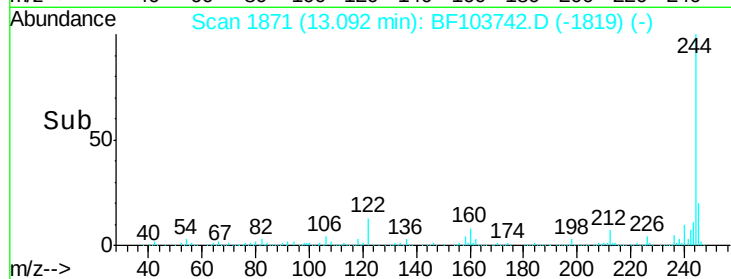
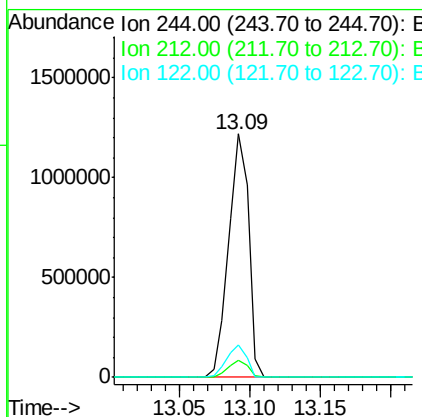
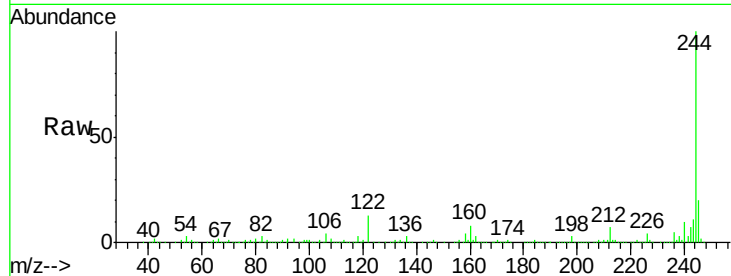




#78
 Terphenyl-d14
 Concen: 98.418 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103742.D
 Acq: 17 Mar 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1204656
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.2 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: BF103742.D
 Acq: 17 Mar 2018 14:18

Tgt Ion:264 Resp: 213266
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.6 17.5 26.3

