

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104877.D
 Acq On : 27 Apr 2018 11:52
 Operator : JU/SJ
 Sample : PB108604BL
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 14:16:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	100006	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	379749	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	144391	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	227946	20.00	ng	0.00
75) Chrysene-d12	13.97	240	205006	20.00	ng	-0.01
86) Perylene-d12	15.44	264	137758	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	677895	103.65	ng	0.00
7) Phenol-d6	6.44	99	795261	98.96	ng	0.00
23) Nitrobenzene-d5	7.36	82	483763	83.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	146466	97.79	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	836099	91.48	ng	0.00
78) Terphenyl-d14	12.92	244	687254	76.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	61434	11.699	ng	# 73
25) Isophorone	7.36	82	483760	39.337	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	18836	8.940	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	18836	6.816	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.63	198	121	7.439	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8668	3.575	ng	# 1
76) Benzidine	12.92	184	8948	Below Cal		# 92

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

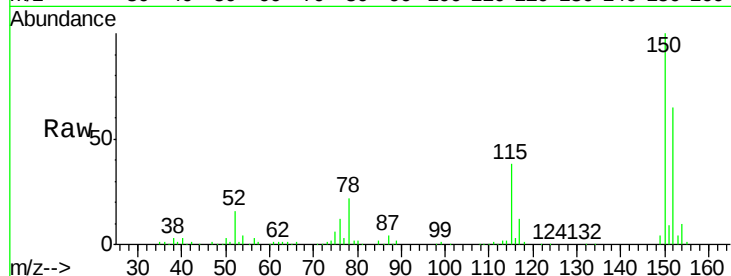


#1

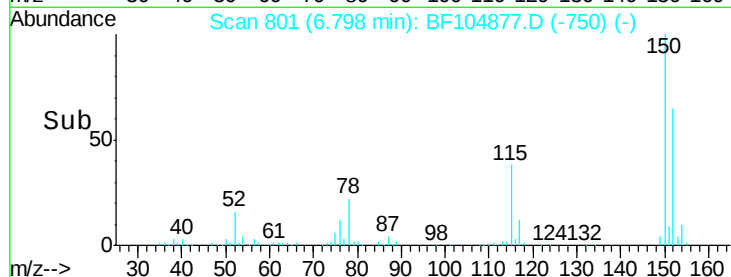
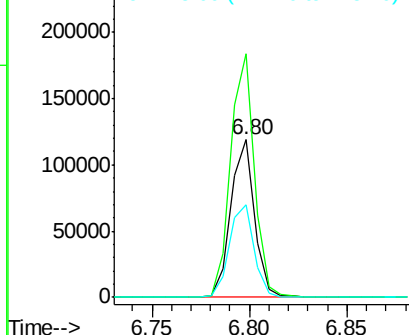
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 100006
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 58.6 50.1 75.1



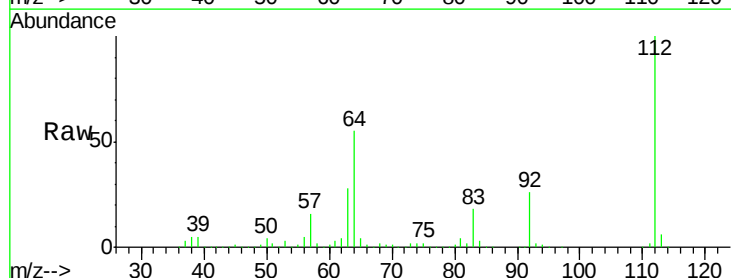
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



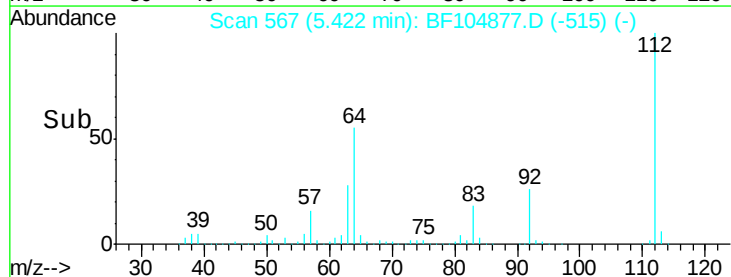
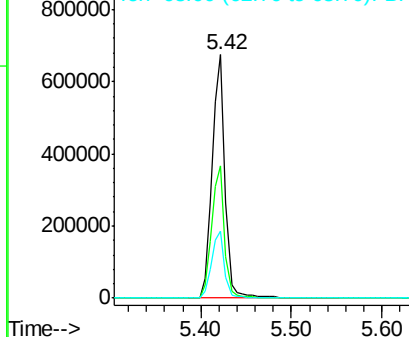
#5

2-Fluorophenol
Concen: 103.648 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

Tgt Ion:112 Resp: 677895
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 27.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.962 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104877.D

Acq: 27 Apr 2018 11:52

Instrument :

BNA_F

ClientSampled :

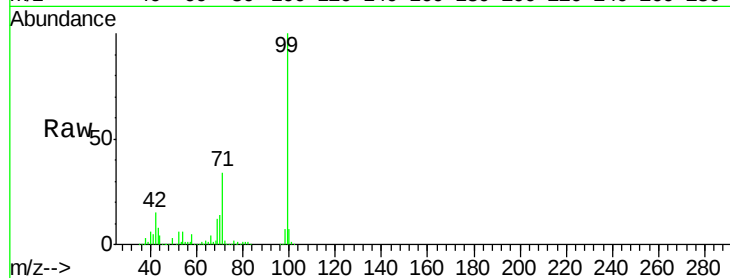
Tot Ion: 99 Resp: 795261

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

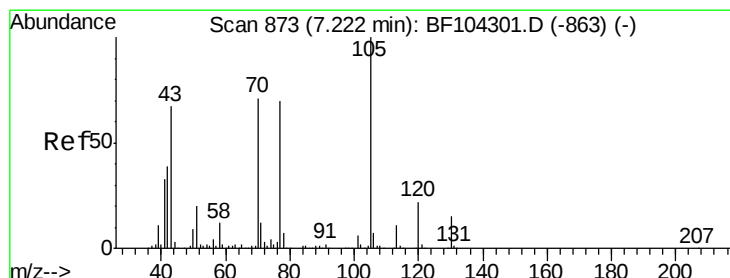
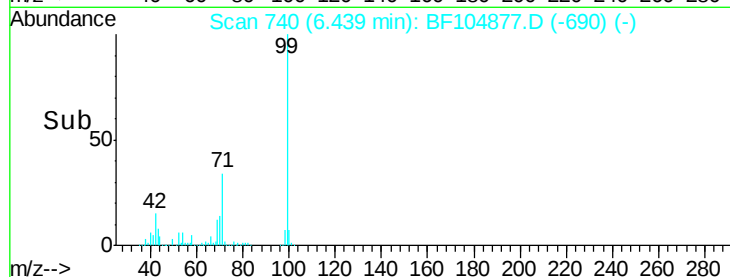
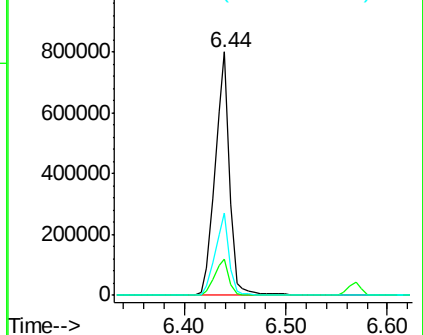
71 33.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.699 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104877.D

Acq: 27 Apr 2018 11:52

Tgt Ion: 70 Resp: 61434

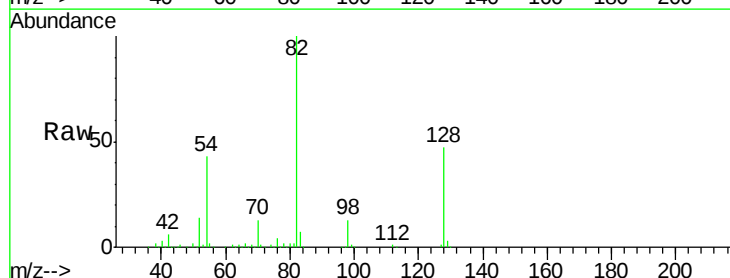
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

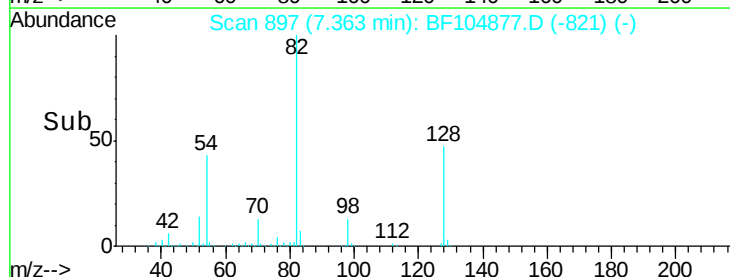
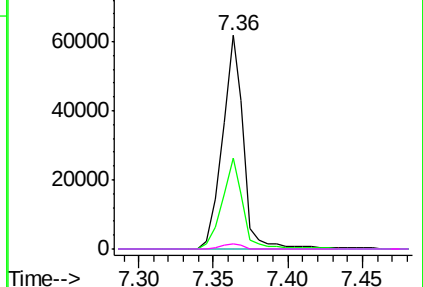


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

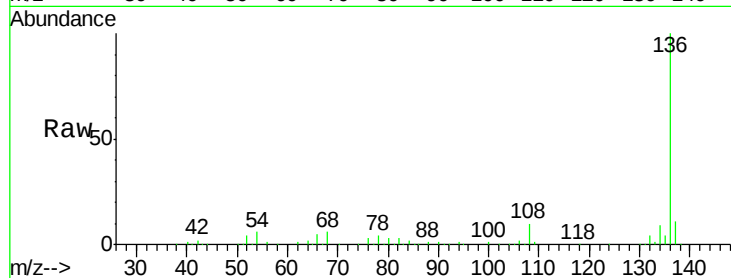




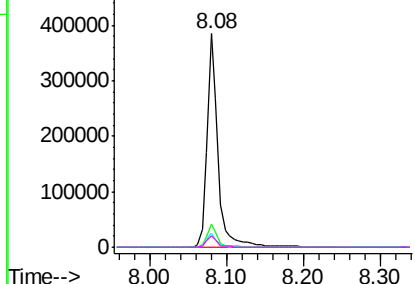
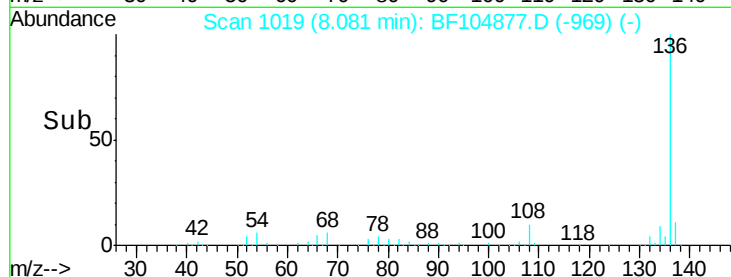
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	379749
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.5	6.6 9.8#
68	5.7	5.0 7.4

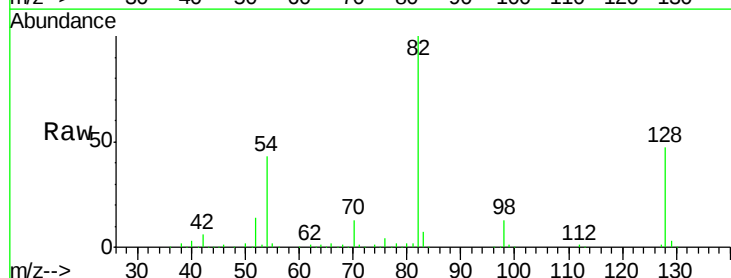


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

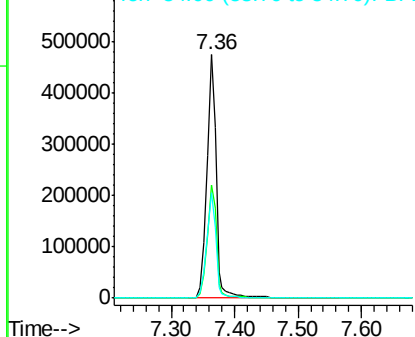
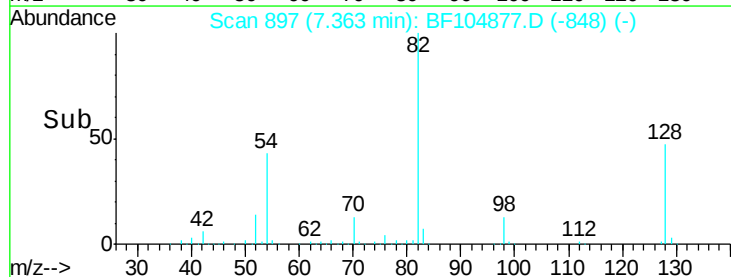


#23
Nitrobenzene-d5
Concen: 83.183 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

Tgt Ion: 82	Resp:	483763
Ion Ratio	Lower	Upper
82	100	
128	46.5	36.1 54.1
54	43.1	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
600000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.337 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104877.D

Acq: 27 Apr 2018 11:52

Instrument :

BNA_F

ClientSampleId :

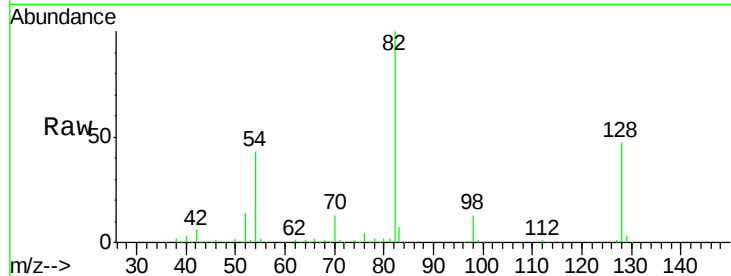
Tot Ion: 82 Resp: 483760

Ion Ratio Lower Upper

82 100

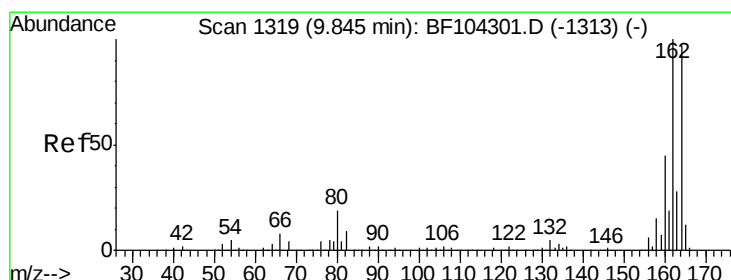
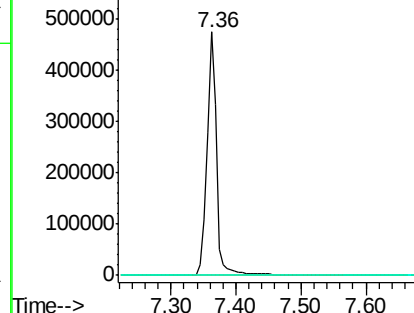
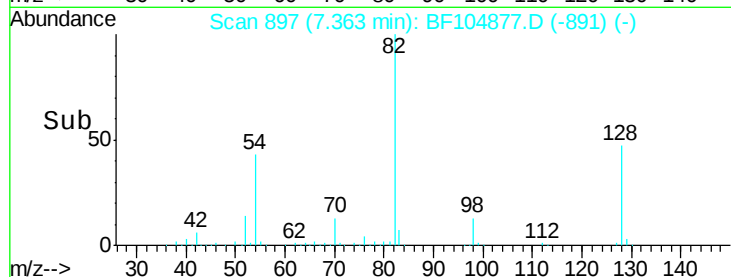
95 0.0 5.2 7.8#

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

7.36



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104877.D

Acq: 27 Apr 2018 11:52

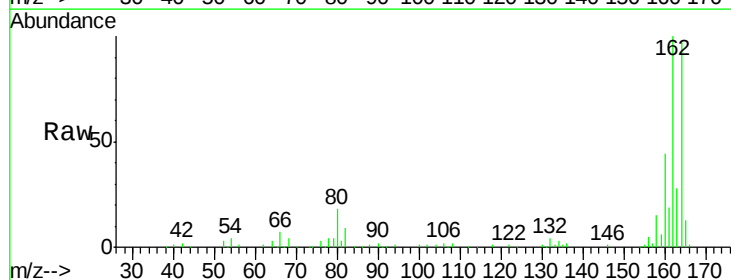
Tgt Ion: 164 Resp: 144391

Ion Ratio Lower Upper

164 100

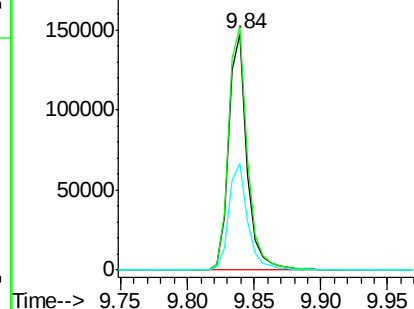
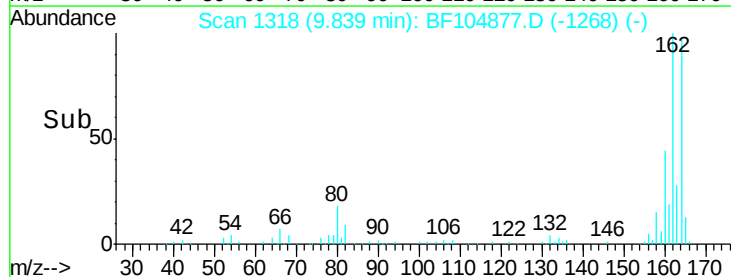
162 103.1 86.1 129.1

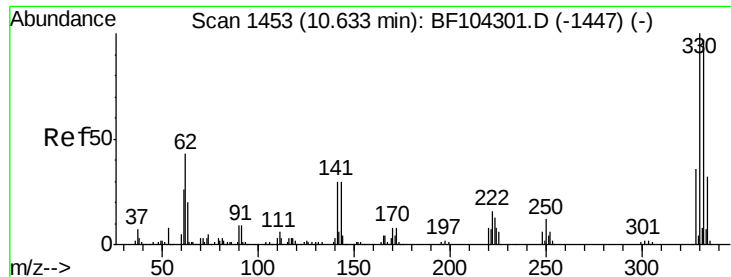
160 45.4 38.3 57.5



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

9.84

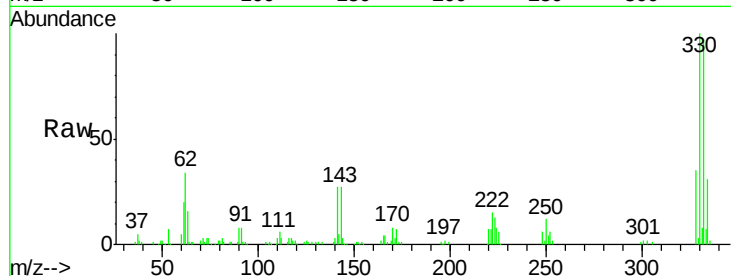




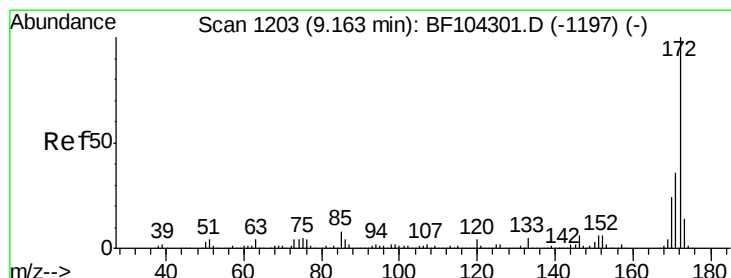
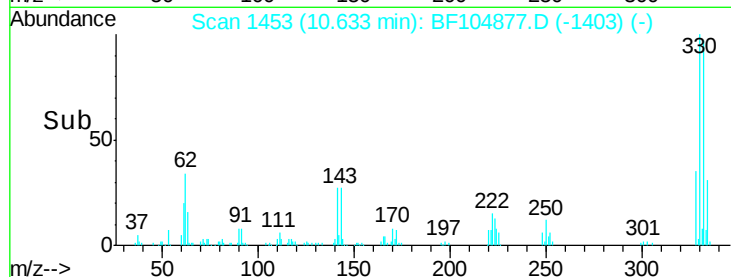
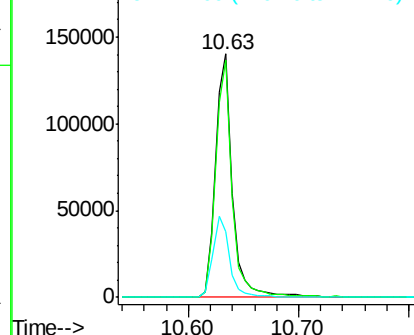
#41
 2,4,6-Tribromophenol
 Concen: 97.787 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104877.D
 Acq: 27 Apr 2018 11:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.5	29.9	44.9

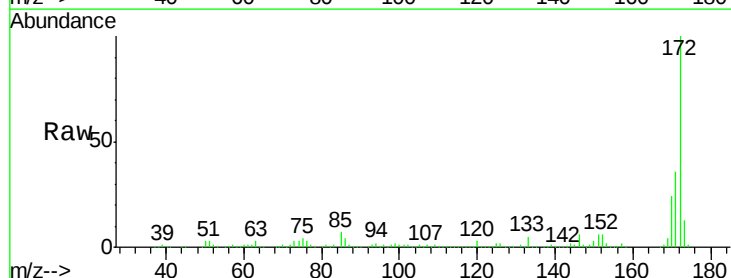


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

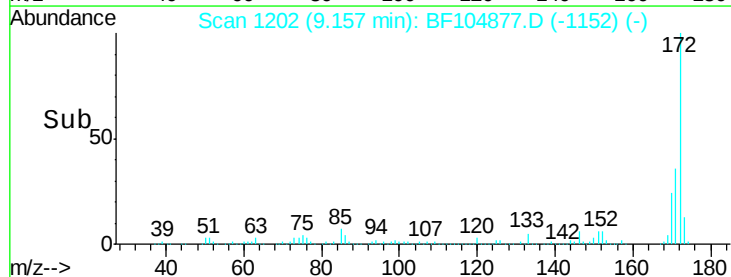
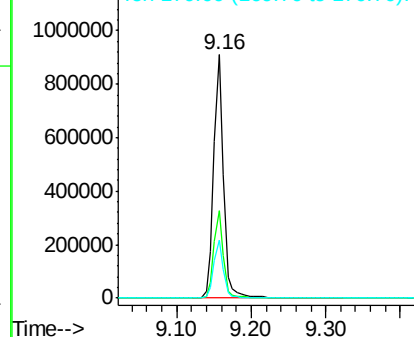


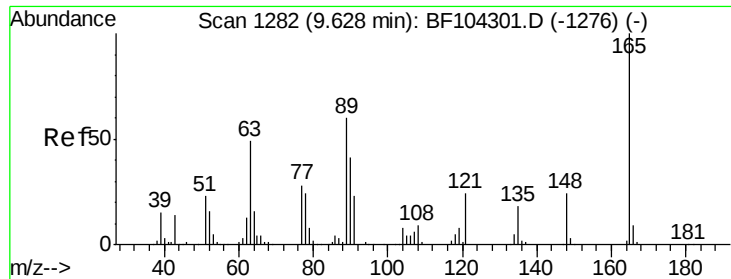
#44
 2-Fluorobiphenyl
 Concen: 91.476 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104877.D
 Acq: 27 Apr 2018 11:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.6	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

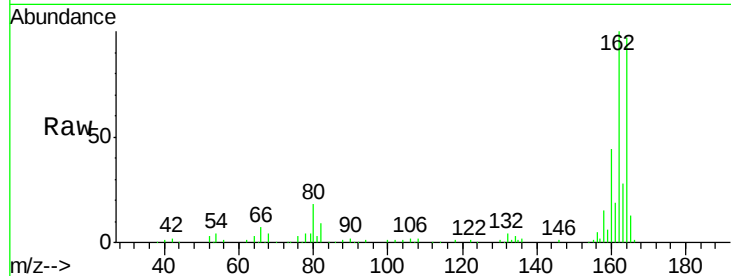




#50
2,6-Dinitrotoluene
Concen: 8.940 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

Instrument :
BNA_F
ClientSampled :

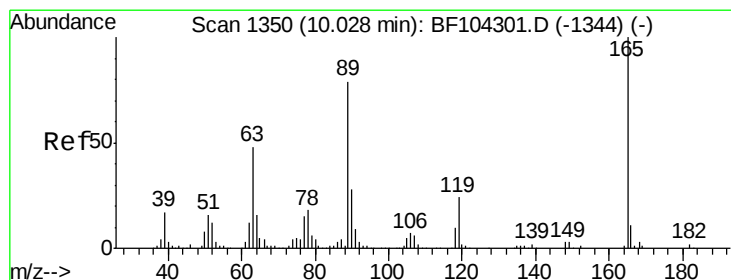
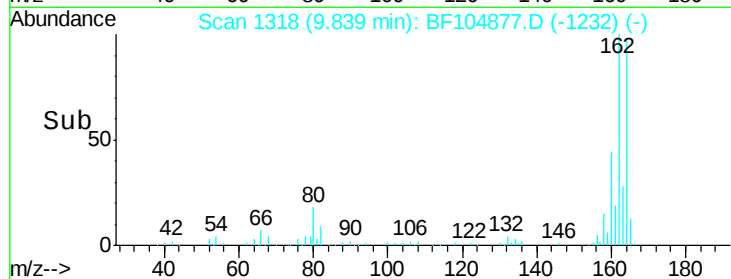
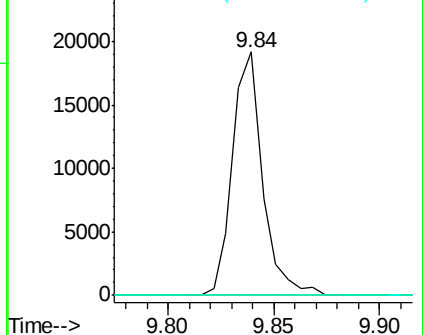
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



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: 6.816 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

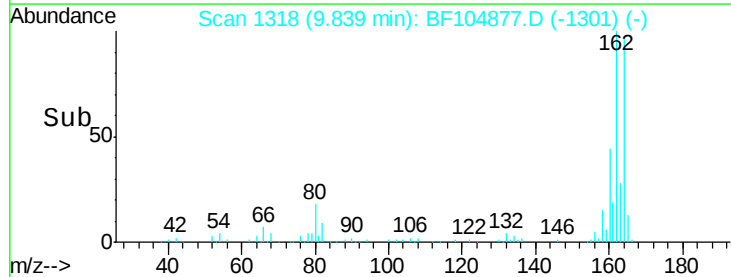
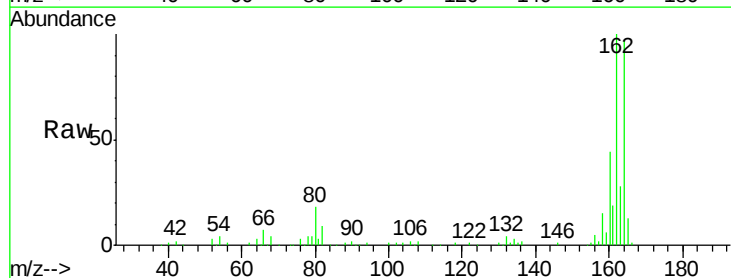
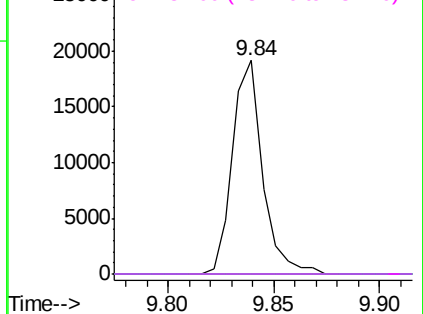
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

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

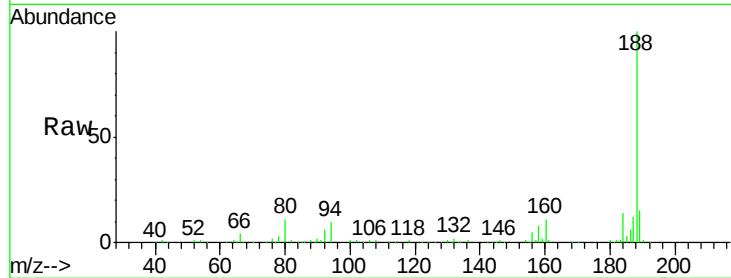




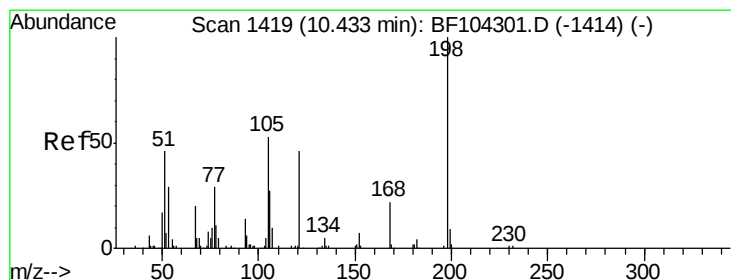
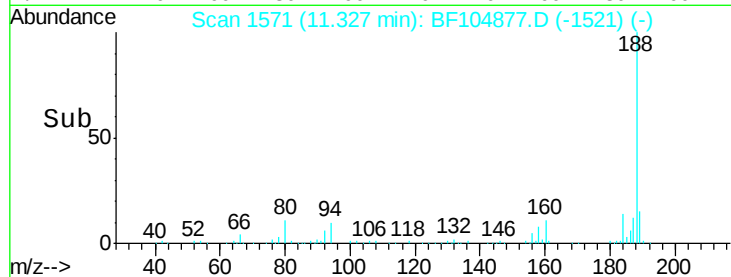
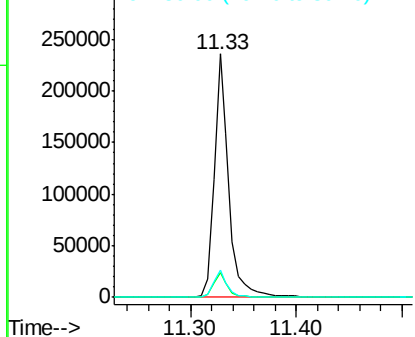
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 227946
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.1 9.2 13.8

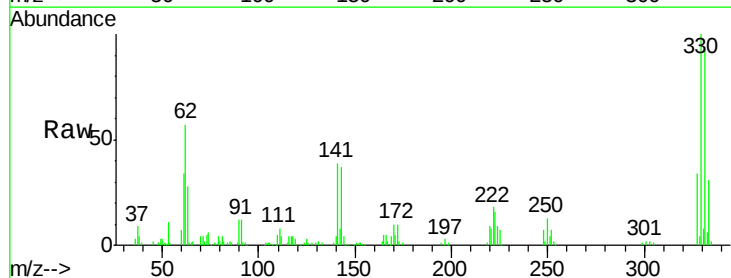


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

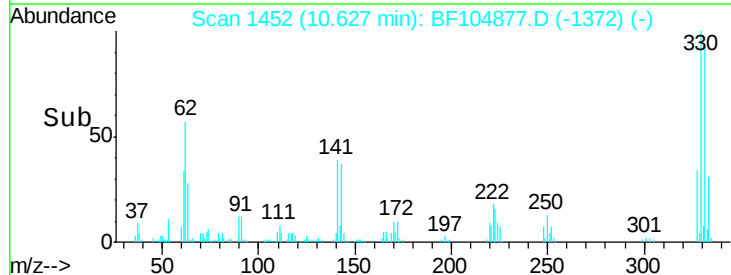
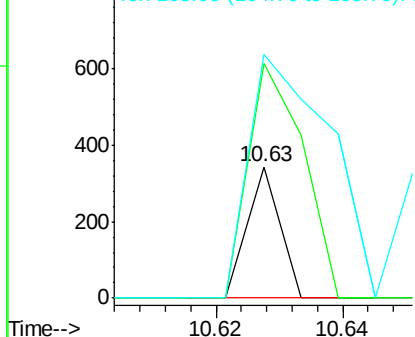


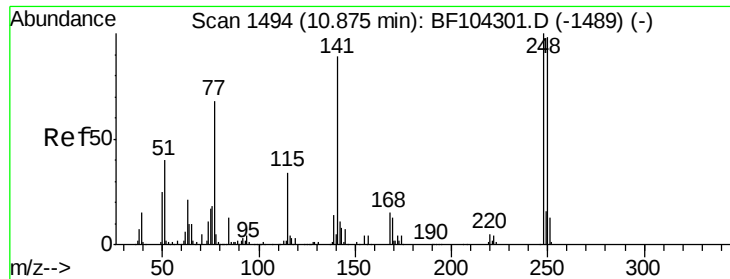
#64
4,6-Dinitro-2-methylphenol
Concen: 7.439 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.17 min
Lab File: BF104877.D
Acq: 27 Apr 2018 11:52

Tgt Ion:198 Resp: 121
Ion Ratio Lower Upper
198 100
51 179.0 37.7 77.7#
105 185.7 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

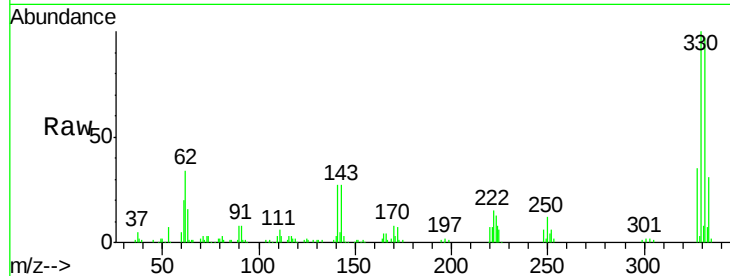




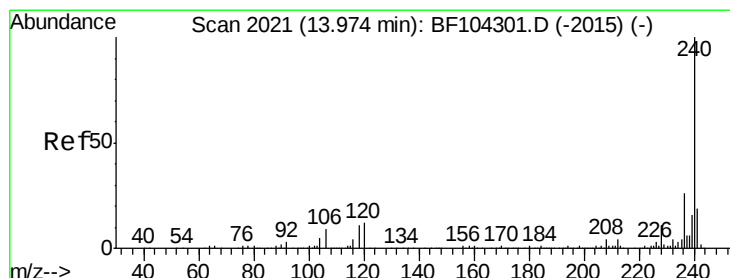
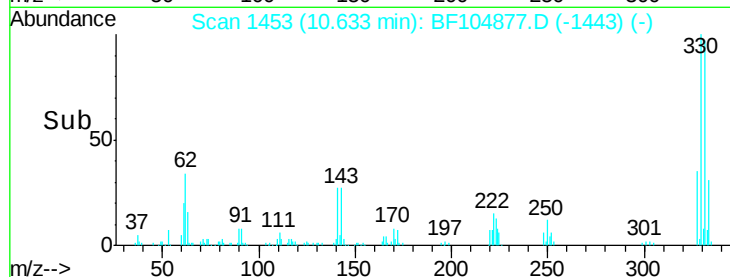
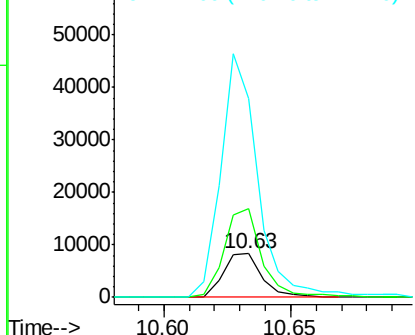
#66
 4-Bromophenyl-phenylether
 Concen: 3.575 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104877.D
 Acq: 27 Apr 2018 11:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8668
 Ion Ratio Lower Upper
 248 100
 250 202.8 76.9 115.3#
 141 455.1 74.4 111.6#

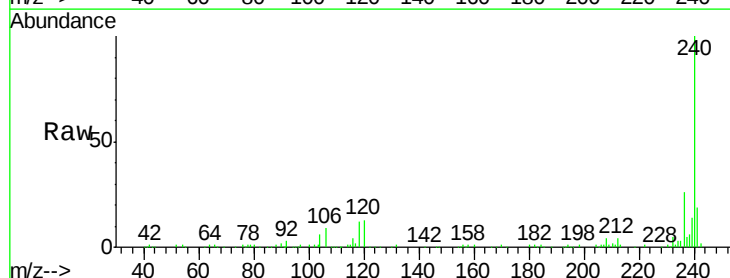


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

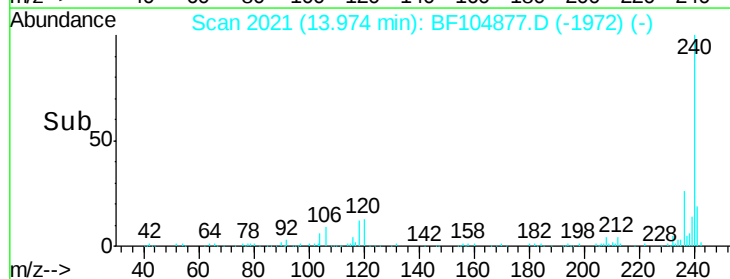
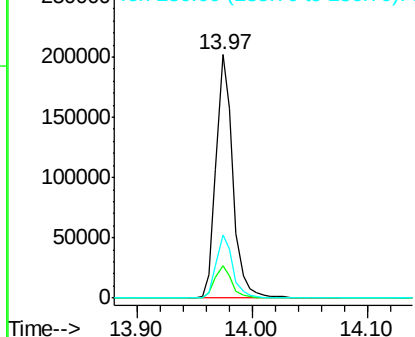


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104877.D
 Acq: 27 Apr 2018 11:52

Tgt Ion:240 Resp: 205006
 Ion Ratio Lower Upper
 240 100
 120 13.1 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

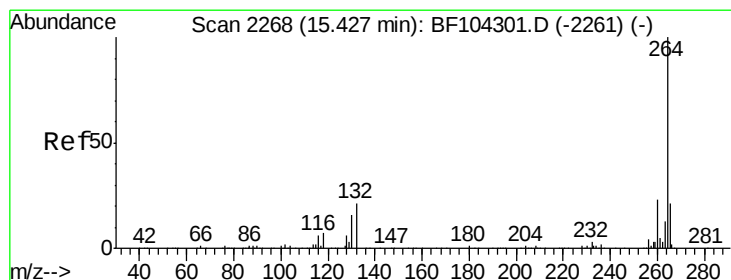
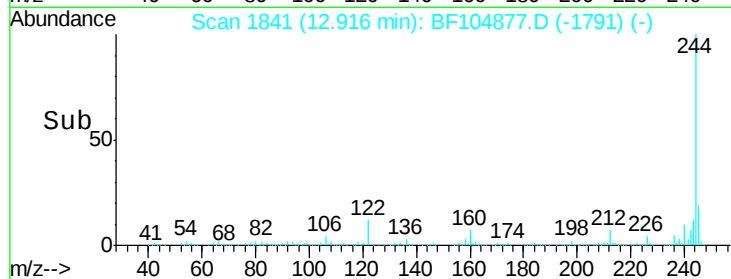
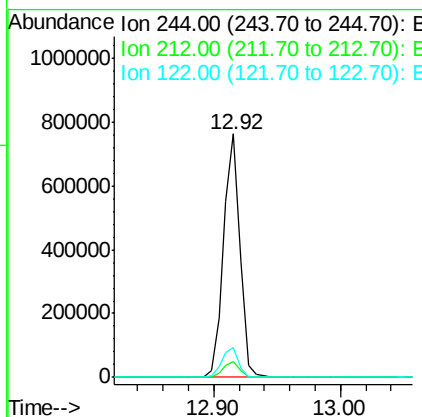
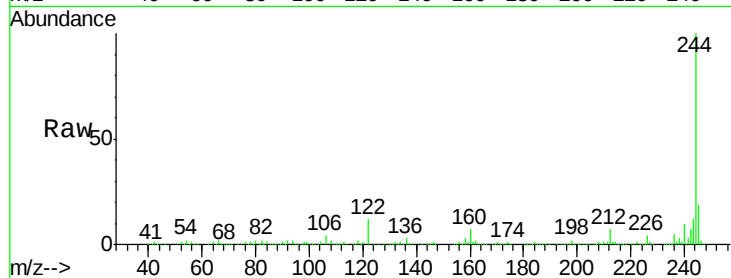




#78
 Terphenyl-d14
 Concen: 76.428 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104877.D
 Acq: 27 Apr 2018 11:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 687254
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104877.D
 Acq: 27 Apr 2018 11:52

Tgt Ion:264 Resp: 137758
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 19.8 17.5 26.3

