

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071017\
 Data File : BG027913.D
 Acq On : 11 Jul 2017 10:59
 Operator : SJ/JU
 Sample : I4119-03RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 11 13:17:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 17:43:21 2017
 Response via : Initial Calibration

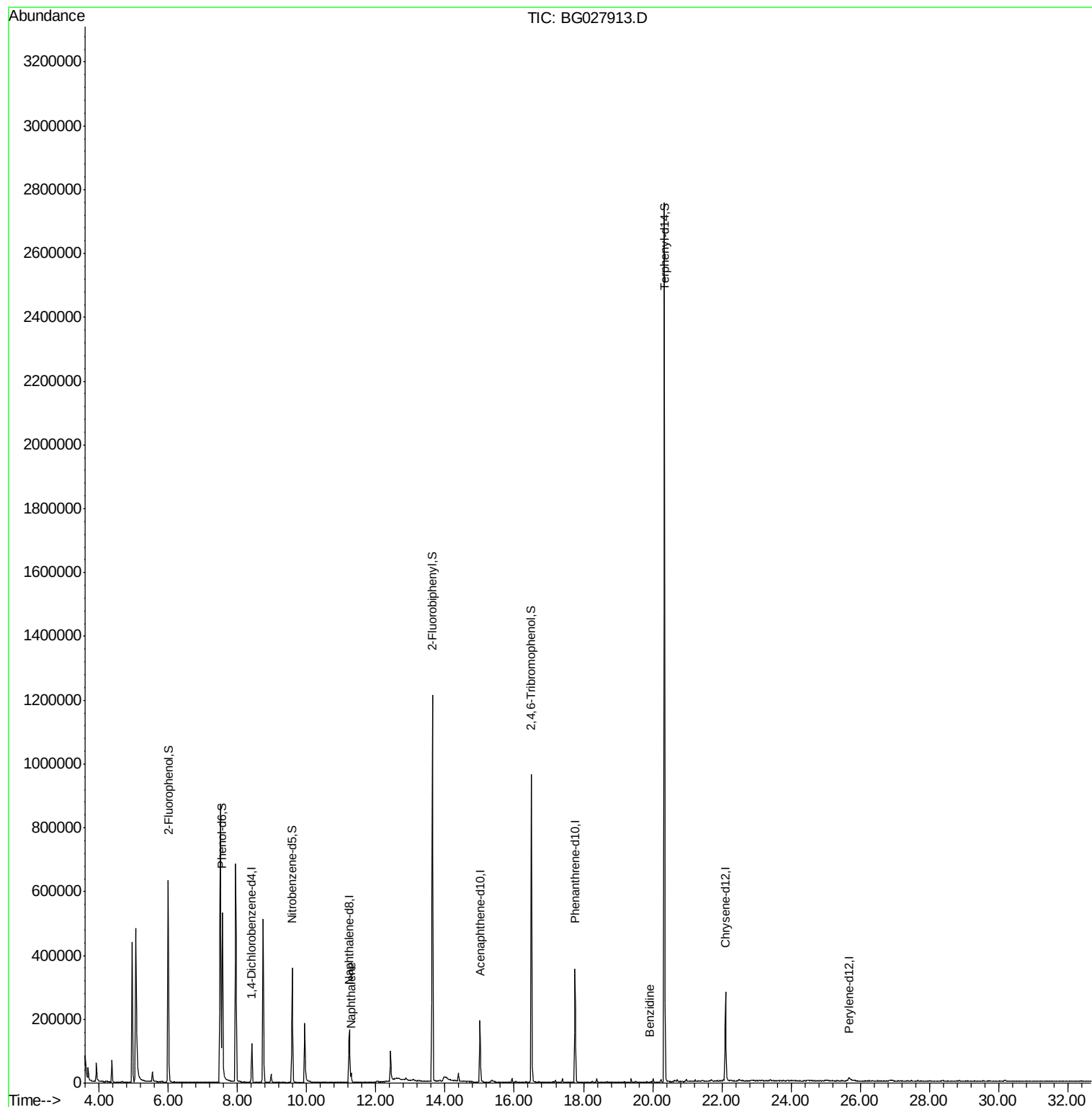
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	39807	20.00	ng	-0.01
21) Naphthalene-d8	11.23	136	172537	20.00	ng	-0.01
38) Acenaphthene-d10	15.01	164	61354	20.00	ng	-0.01
63) Phenanthrene-d10	17.76	188	228514	20.00	ng	-0.02
75) Chrysene-d12	22.10	240	162098	20.00	ng	-0.02
86) Perylene-d12	25.68	264	9066	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	363915	140.78	ng	0.00
7) Phenol-d6	7.56	99	379669	96.14	ng	-0.01
23) Nitrobenzene-d5	9.58	82	260241	84.07	ng	-0.01
41) 2,4,6-Tribromophenol	16.50	330	246602	293.04	ng	-0.02
44) 2-Fluorobiphenyl	13.63	172	678798	158.01	ng	-0.02
78) Terphenyl-d14	20.34	244	1264972	182.95	ng	-0.01
Target Compounds						
31) Naphthalene	11.29	128	30837	3.361	ng	98
76) Benzidine	19.91	184	298	3.289	ng	# 64

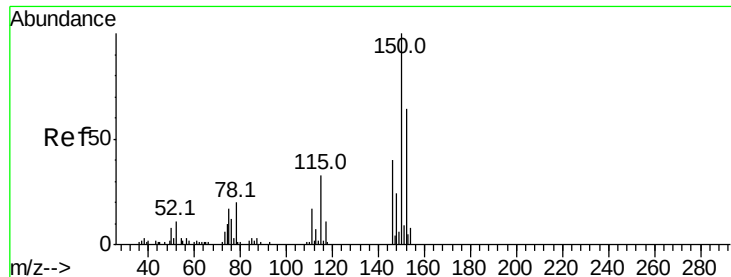
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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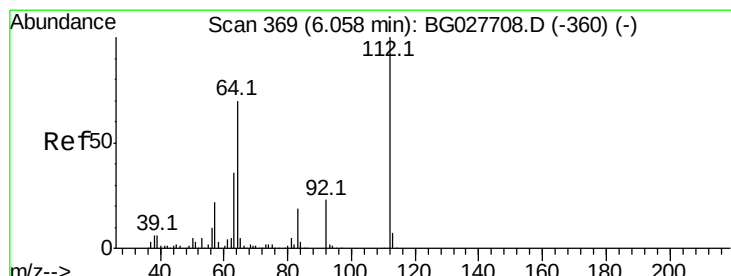
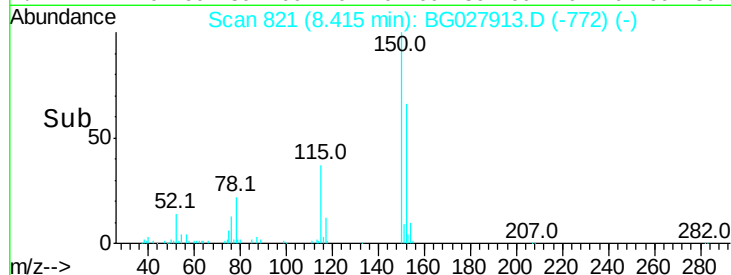
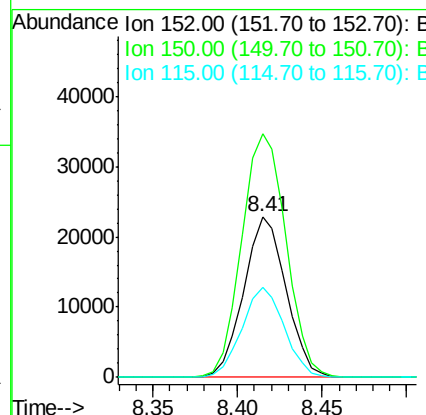
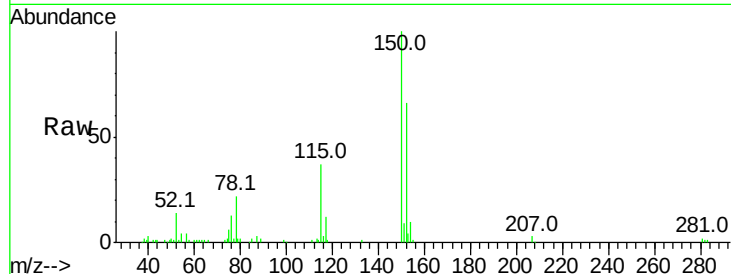




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.41 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BG027913.D
 Acq: 11 Jul 2017 10:59

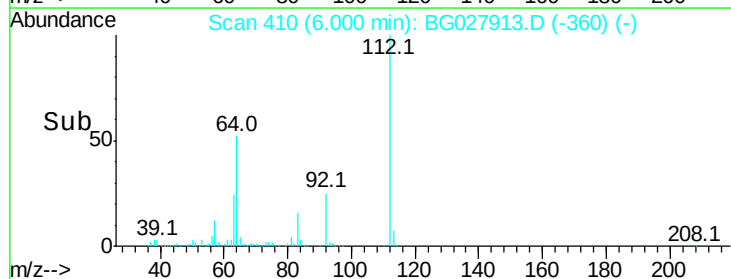
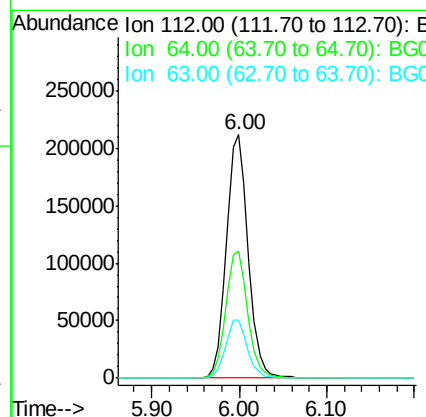
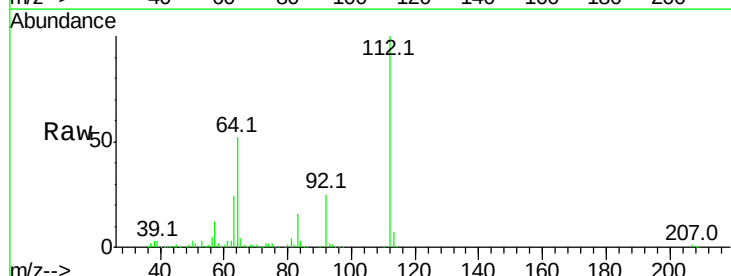
Instrument :
 BNA_G
 ClientSampleId :

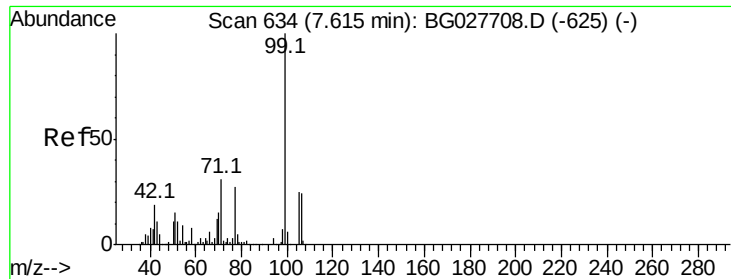
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	114.0	171.0
115	55.9	48.1	72.1



#5
 2-Fluorophenol
 Concen: 140.778 ng
 RT: 6.00 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BG027913.D
 Acq: 11 Jul 2017 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	61.8	92.6#
63	23.9	37.2	55.8#





#7

Phenol-d6

Concen: 96.140 ng

RT: 7.56 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG027913.D

Acq: 11 Jul 2017 10:59

Instrument :

BNA_G

ClientSampleId :

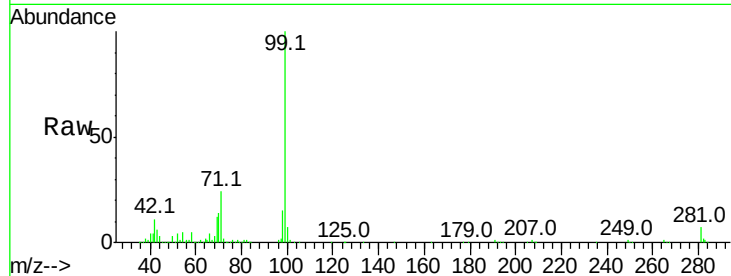
Tot Ion: 99 Resp: 379669

Ion Ratio Lower Upper

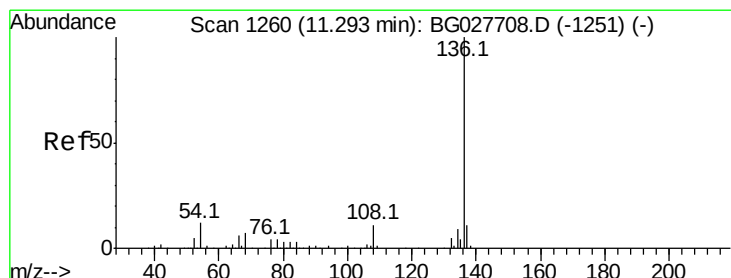
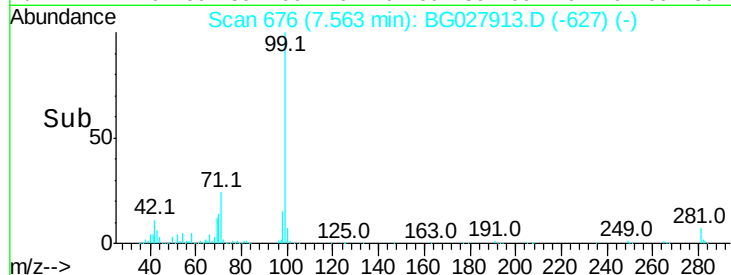
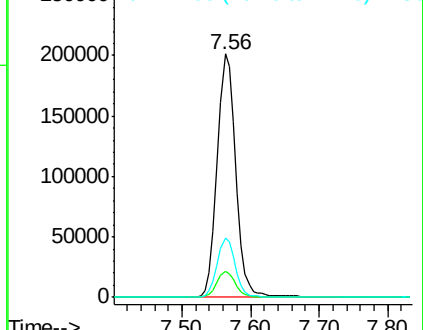
99 100

42 10.6 20.5 30.7#

71 24.2 37.6 56.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BG027913.D

Acq: 11 Jul 2017 10:59

Tgt Ion: 136 Resp: 172537

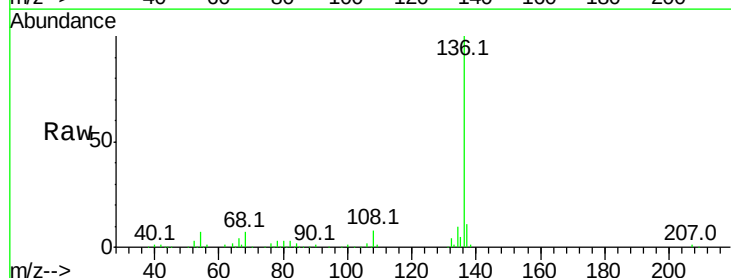
Ion Ratio Lower Upper

136 100

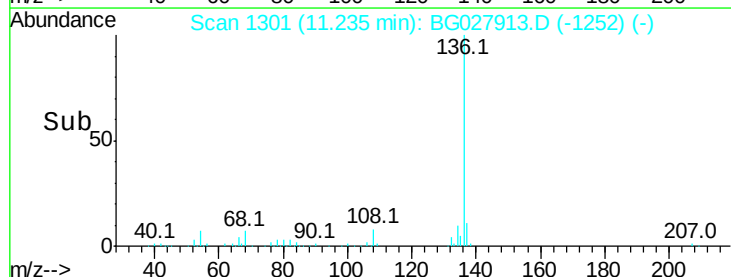
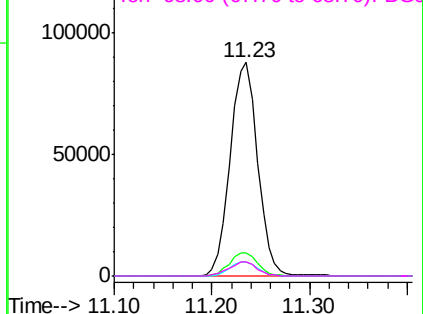
137 10.7 8.9 13.3

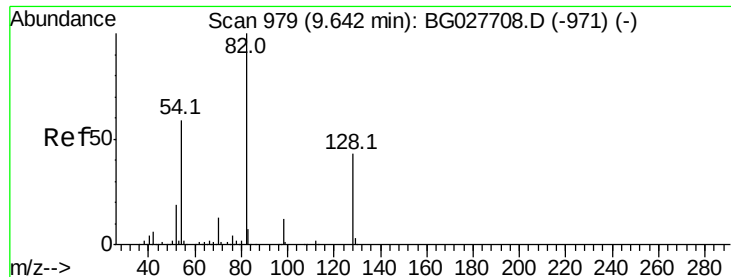
54 6.8 9.3 13.9#

68 6.6 5.1 7.7



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





#23

Nitrobenzene-d5

Concen: 84.075 ng

RT: 9.58 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BG027913.D

Acq: 11 Jul 2017 10:59

Instrument :

BNA_G

ClientSampleId :

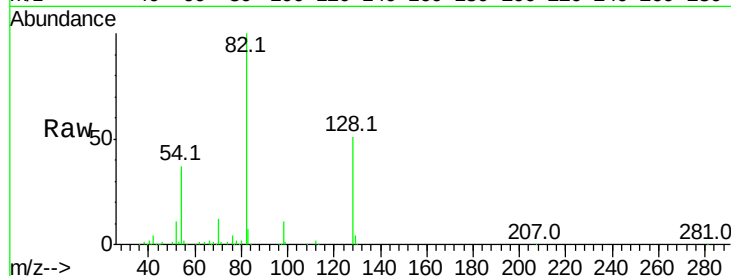
Tot Ion: 82 Resp: 260241

Ion Ratio Lower Upper

82 100

128 51.4 26.4 39.6#

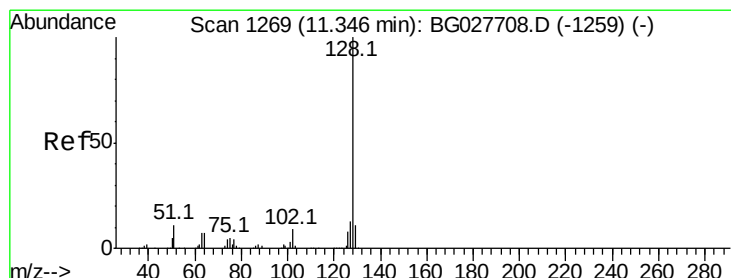
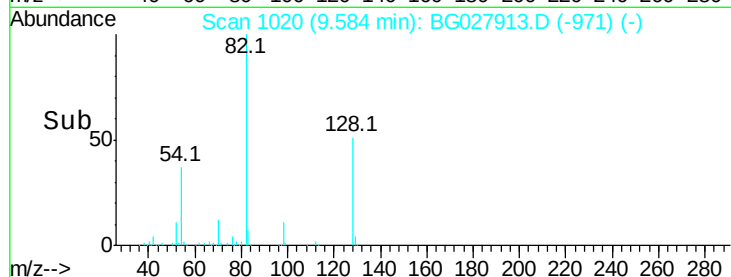
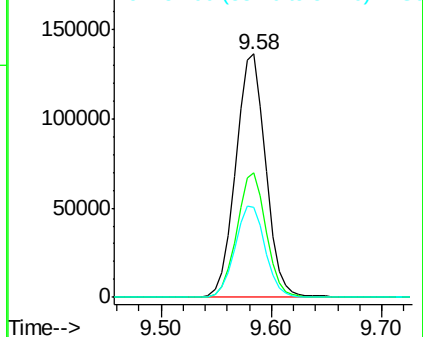
54 37.2 49.4 74.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#31

Naphthalene

Concen: 3.361 ng

RT: 11.29 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG027913.D

Acq: 11 Jul 2017 10:59

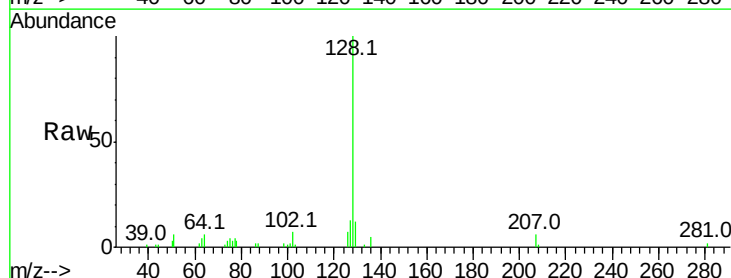
Tgt Ion: 128 Resp: 30837

Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

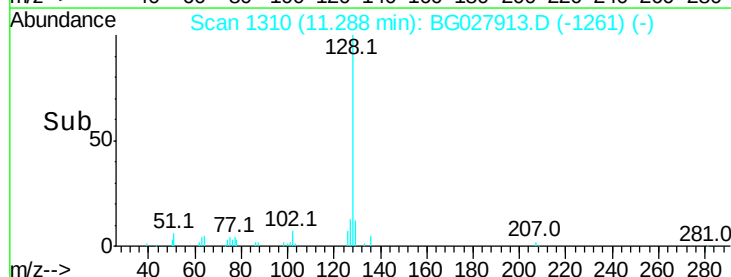
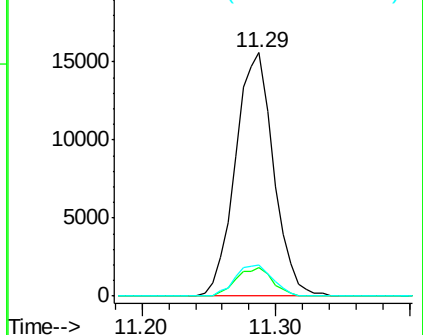
127 12.9 11.4 17.0

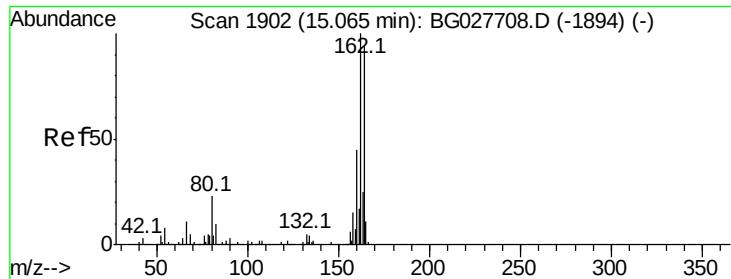


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

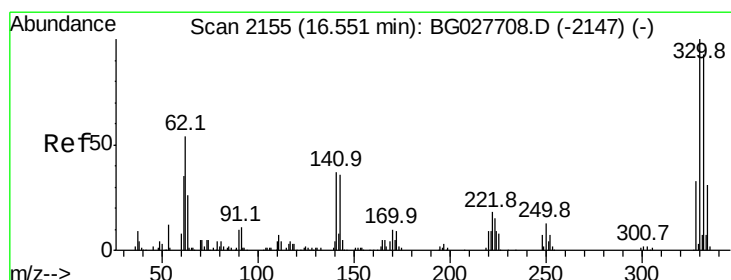
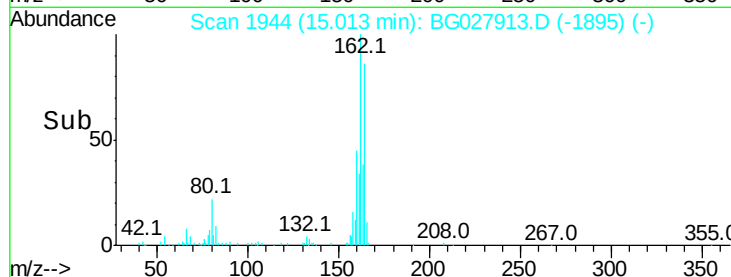
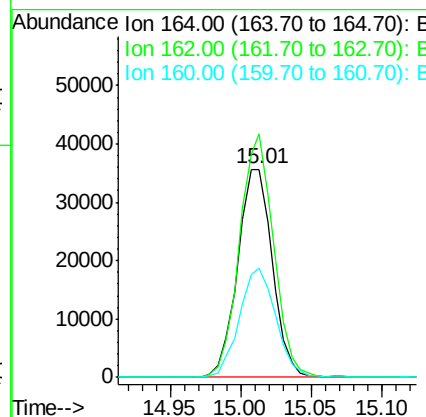
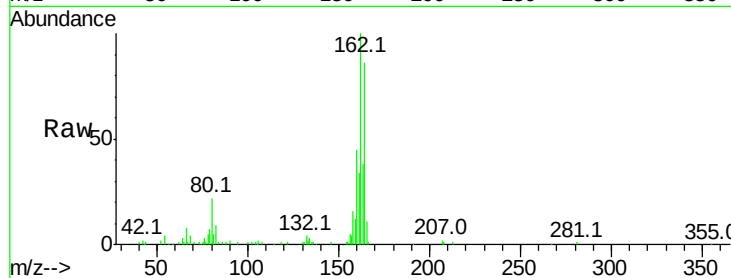




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.01 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: BG027913.D
 Acq: 11 Jul 2017 10:59

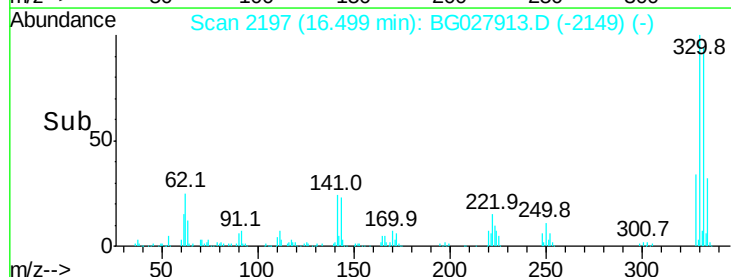
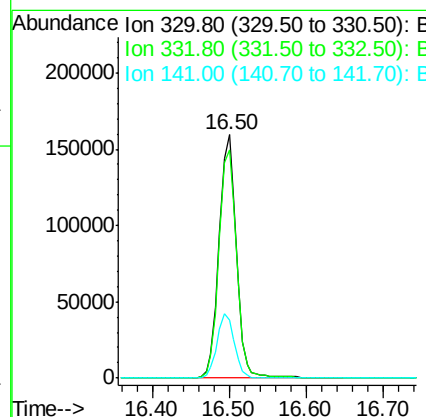
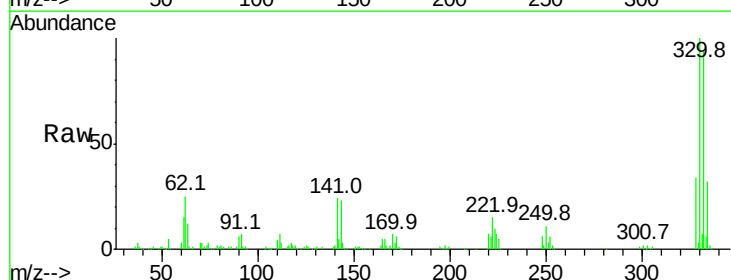
Instrument :
 BNA_G
 ClientSampleId :

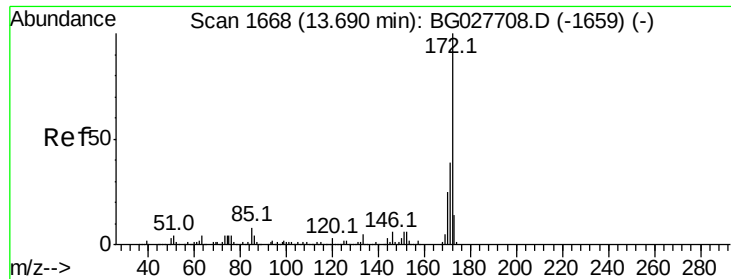
Tot Ion:164 Resp: 61354
 Ion Ratio Lower Upper
 164 100
 162 116.9 85.1 127.7
 160 52.5 34.7 52.1#



#41
 2,4,6-Tribromophenol
 Concen: 293.038 ng
 RT: 16.50 min Scan# 2197
 Delta R.T. -0.02 min
 Lab File: BG027913.D
 Acq: 11 Jul 2017 10:59

Tgt Ion:330 Resp: 246602
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.3 115.9
 141 26.5 32.1 48.1#

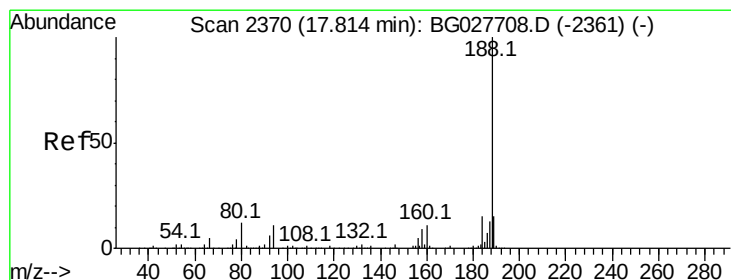
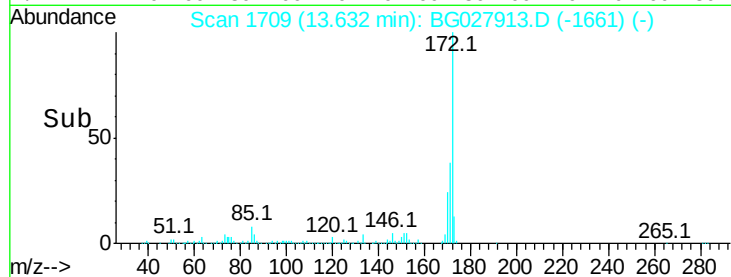
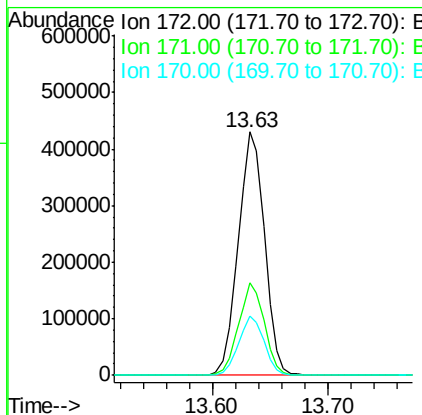
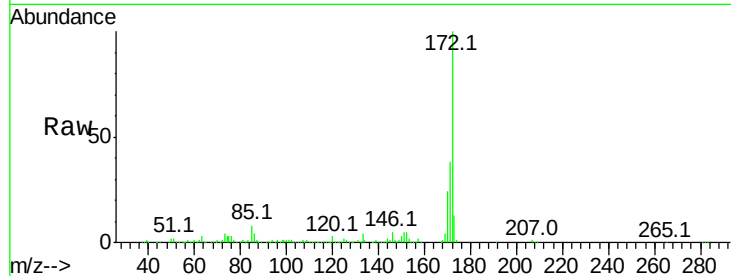




#44
2-Fluorobiphenyl
Concen: 158.007 ng
RT: 13.63 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BG027913.D
Acq: 11 Jul 2017 10:59

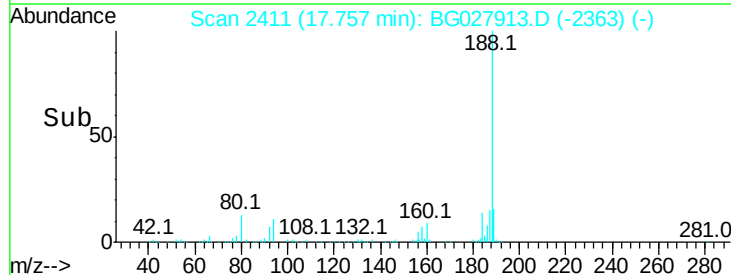
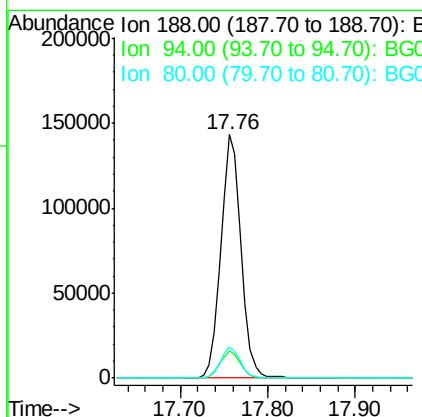
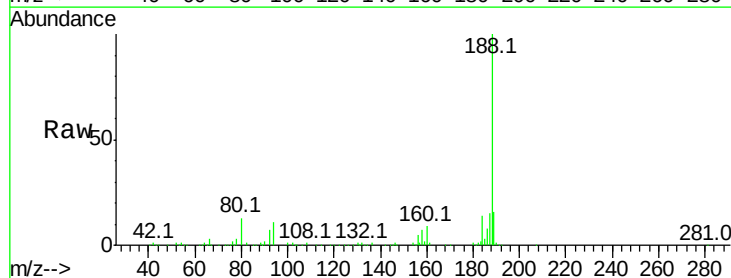
Instrument :
BNA_G
ClientSampled :

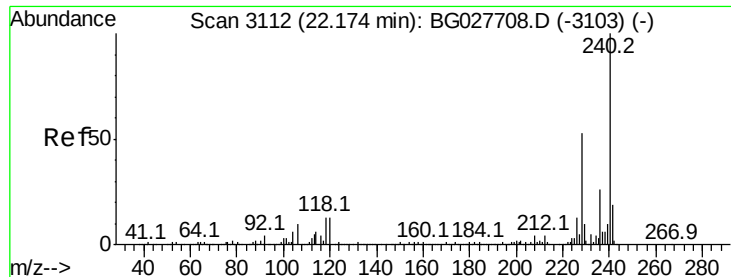
Tot Ion:172 Resp: 678798
Ion Ratio Lower Upper
172 100
171 37.9 32.2 48.2
170 24.4 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.76 min Scan# 2411
Delta R.T. -0.02 min
Lab File: BG027913.D
Acq: 11 Jul 2017 10:59

Tgt Ion:188 Resp: 228514
Ion Ratio Lower Upper
188 100
94 11.5 5.8 8.8#
80 12.8 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.10 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG027913.D

Acq: 11 Jul 2017 10:59

Instrument :

BNA_G

ClientSampled :

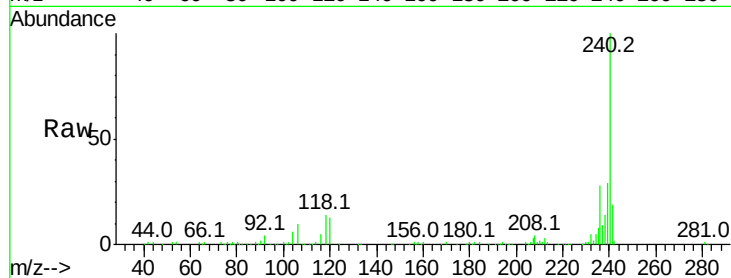
Tot Ion:240 Resp: 162098

Ion Ratio Lower Upper

240 100

120 13.4 5.7 8.5#

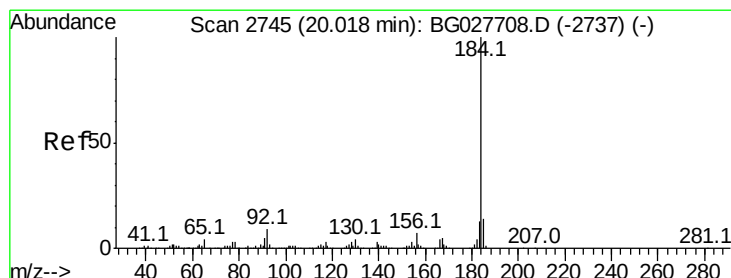
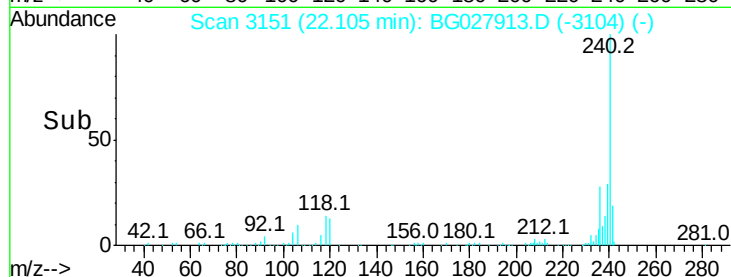
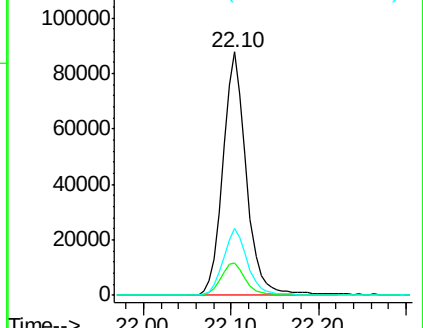
236 27.6 22.2 33.4



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



#76

Benzidine

Concen: 3.289 ng

RT: 19.91 min Scan# 2777

Delta R.T. -0.08 min

Lab File: BG027913.D

Acq: 11 Jul 2017 10:59

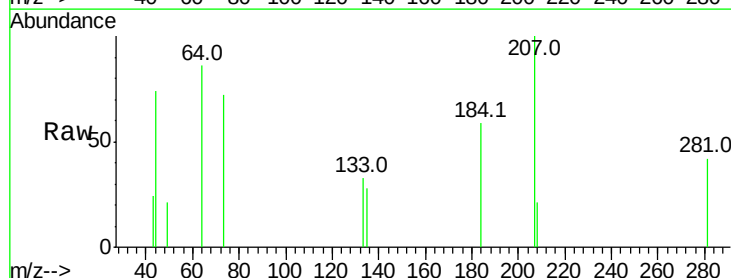
Tgt Ion:184 Resp: 298

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

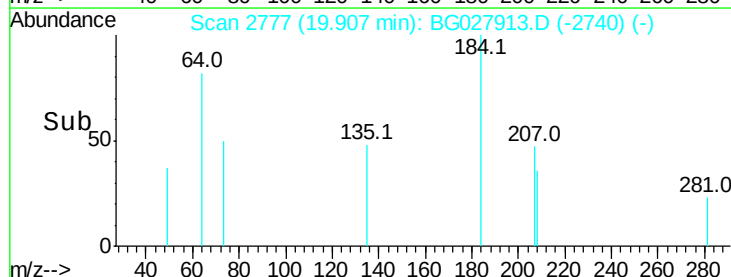
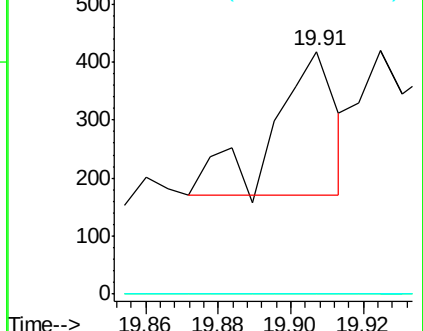
183 0.0 11.0 16.6#

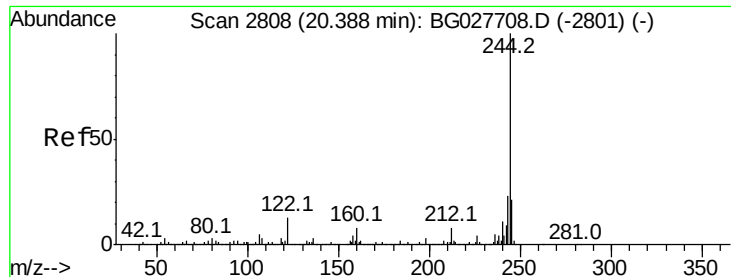


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

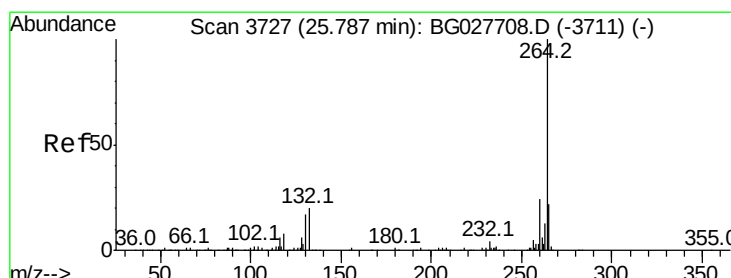
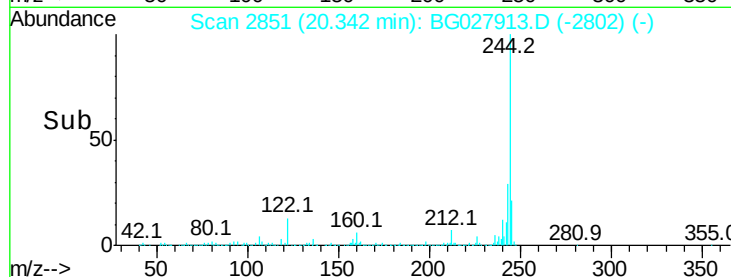
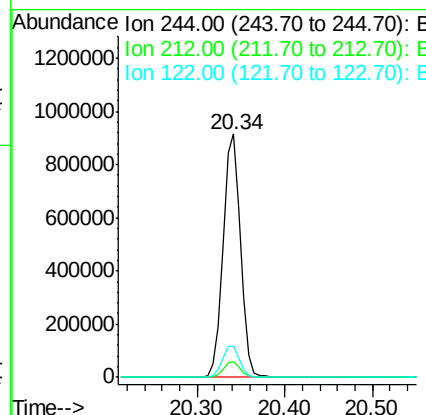
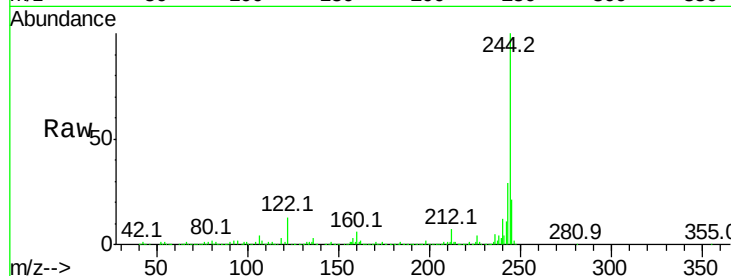




#78
 Terphenyl-d14
 Concen: 182.949 ng
 RT: 20.34 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BG027913.D
 Acq: 11 Jul 2017 10:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1264972
 Ion Ratio Lower Upper
 244 100
 212 6.6 10.0 15.0#
 122 12.8 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.68 min Scan# 3759
 Delta R.T. -0.02 min
 Lab File: BG027913.D
 Acq: 11 Jul 2017 10:59

Tgt Ion:264 Resp: 9066
 Ion Ratio Lower Upper
 264 100
 260 30.6 21.8 32.8
 265 19.9 18.2 27.4

