

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060817\
 Data File : BG027346.D
 Acq On : 9 Jun 2017 10:50
 Operator : SJ/MA
 Sample : I3460-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 09 11:24:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:00:35 2017
 Response via : Initial Calibration

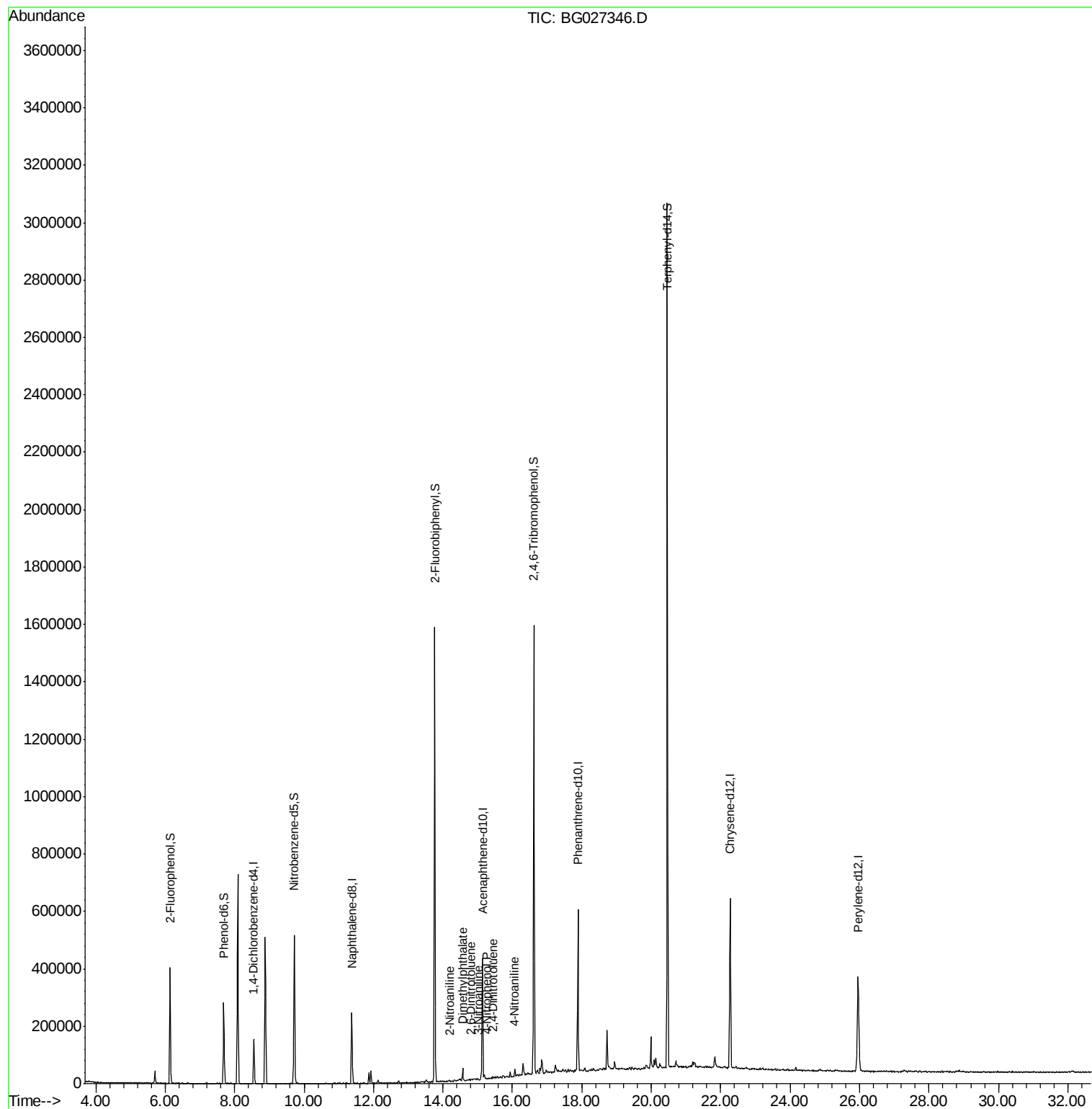
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.56	152	44138	20.00	ng	-0.02
21) Naphthalene-d8	11.37	136	215534	20.00	ng	-0.03
38) Acenaphthene-d10	15.13	164	147317	20.00	ng	-0.03
63) Phenanthrene-d10	17.89	188	357990	20.00	ng	-0.03
75) Chrysene-d12	22.27	240	395636	20.00	ng	-0.04
86) Perylene-d12	25.96	264	387214	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	187113	64.69	ng	-0.01
7) Phenol-d6	7.69	99	181174	42.67	ng	-0.01
23) Nitrobenzene-d5	9.72	82	355914	103.85	ng	-0.02
41) 2,4,6-Tribromophenol	16.62	330	309259	159.42	ng	-0.03
44) 2-Fluorobiphenyl	13.76	172	829428	78.77	ng	-0.03
78) Terphenyl-d14	20.46	244	1398365	90.16	ng	-0.03
Target Compounds						
47) 2-Nitroaniline	14.20	65	57	6.85	ng	# 16
49) Dimethylphthalate	14.57	163	28770	2.46	ng	# 94
50) 2,6-Dinitrotoluene	14.81	165	68	5.64	ng	# 11
52) 3-Nitroaniline	15.01	138	128	5.76	ng	# 1
55) 4-Nitrophenol	15.27	139	62	6.15	ng	# 2
56) 2,4-Dinitrotoluene	15.43	165	470	7.12	ng	# 16
61) 4-Nitroaniline	16.06	138	69	5.92	ng	88

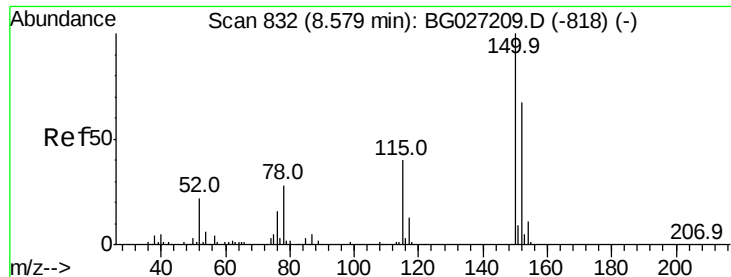
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 05 16:00:35 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.56 min Scan# 829

Delta R.T. -0.02 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

Instrument :

BNA_G

ClientSampleId :

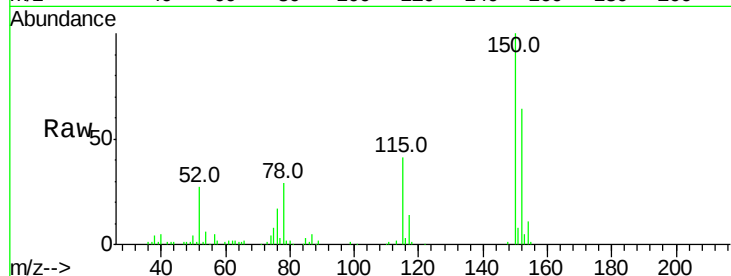
Tot Ion:152 Resp: 44138

Ion Ratio Lower Upper

152 100

150 157.3 114.0 171.0

115 64.6 48.1 72.1

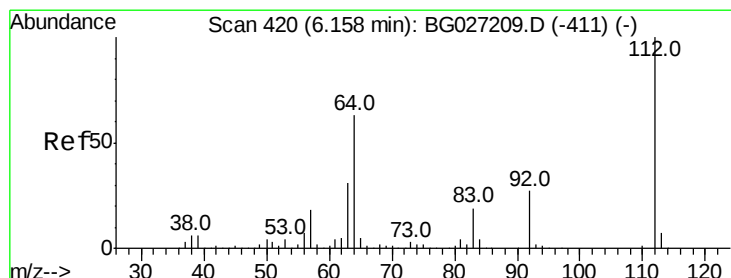
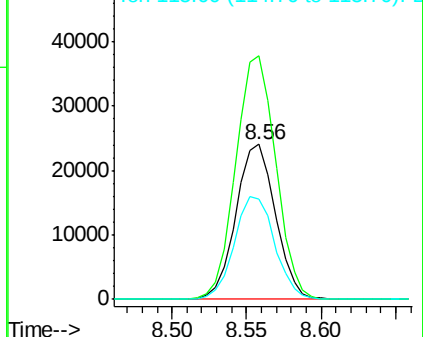
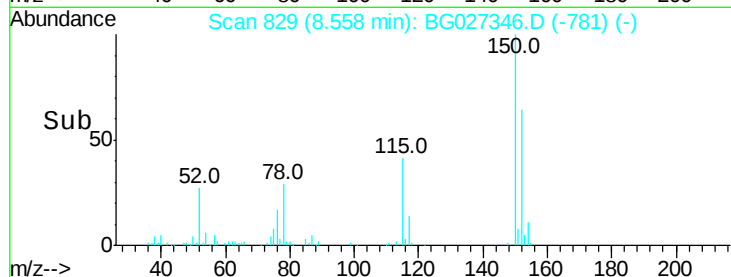


Abundance

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: 64.69 ng

RT: 6.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

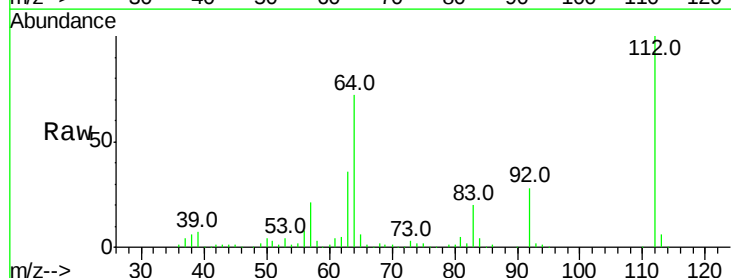
Tgt Ion:112 Resp: 187113

Ion Ratio Lower Upper

112 100

64 72.0 61.8 92.6

63 35.8 37.2 55.8#

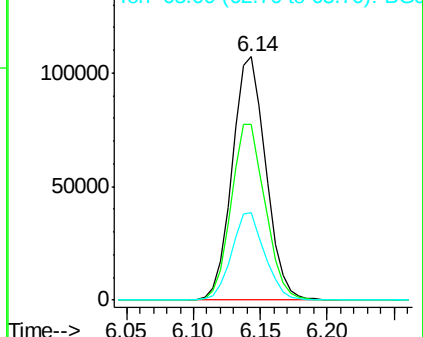
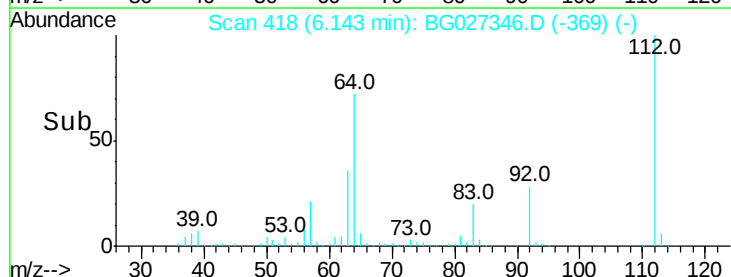


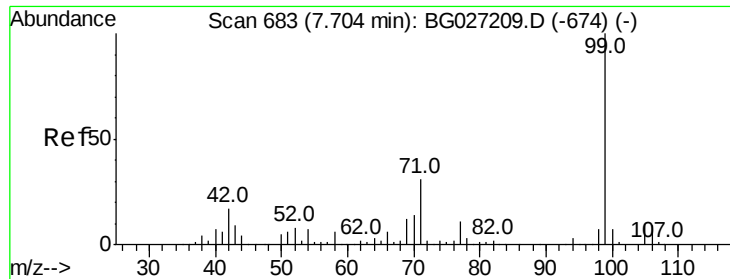
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 42.67 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

Instrument :

BNA_G

ClientSampled :

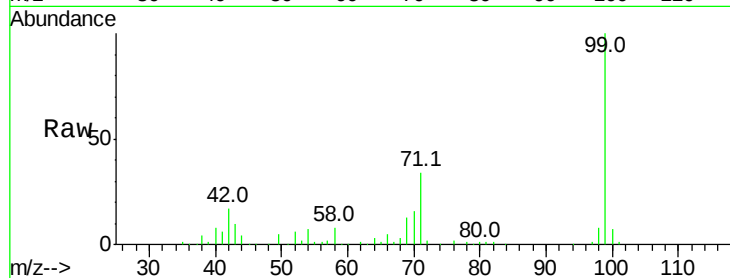
Tot Ion: 99 Resp: 181174

Ion Ratio Lower Upper

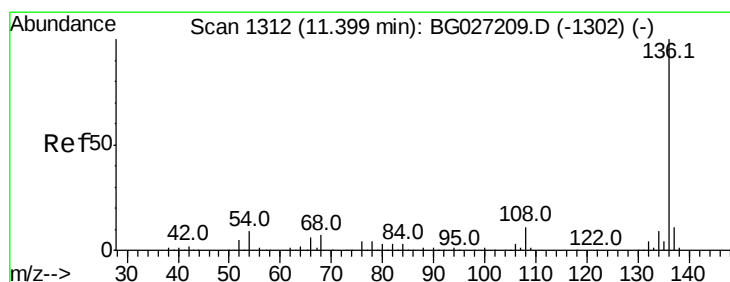
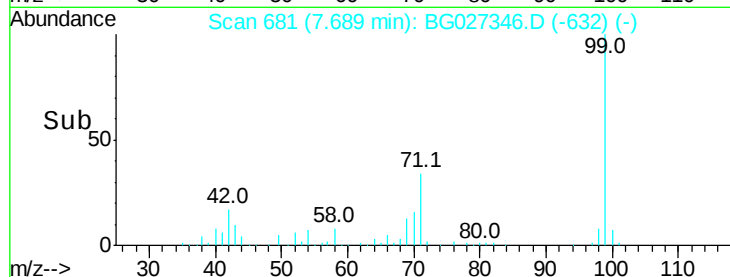
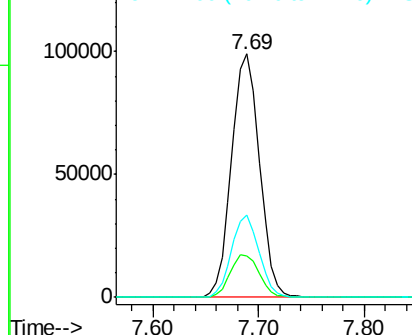
99 100

42 16.8 20.5 30.7#

71 34.0 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: 20.00 ng

RT: 11.37 min Scan# 1308

Delta R.T. -0.03 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

Tgt Ion: 136 Resp: 215534

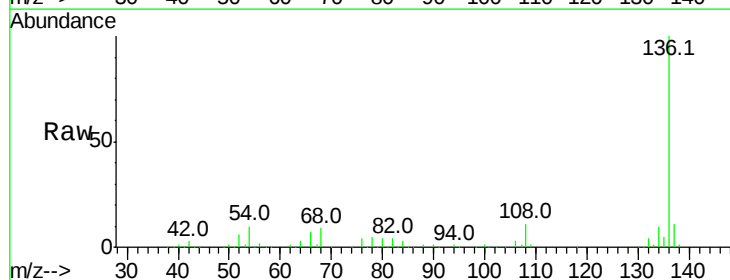
Ion Ratio Lower Upper

136 100

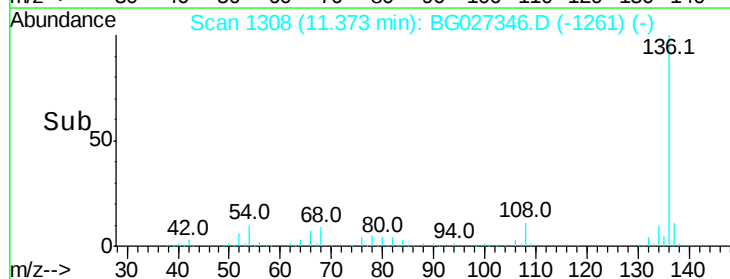
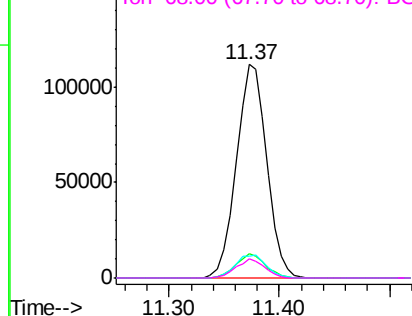
137 11.1 8.9 13.3

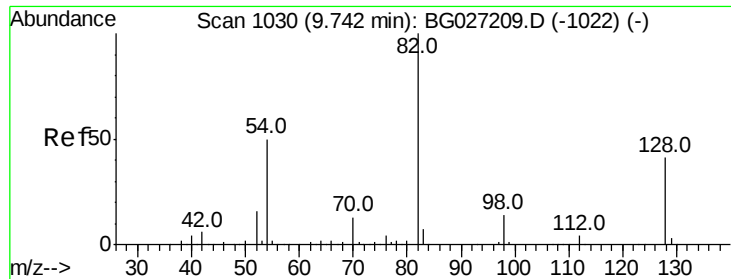
54 10.3 9.3 13.9

68 8.9 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

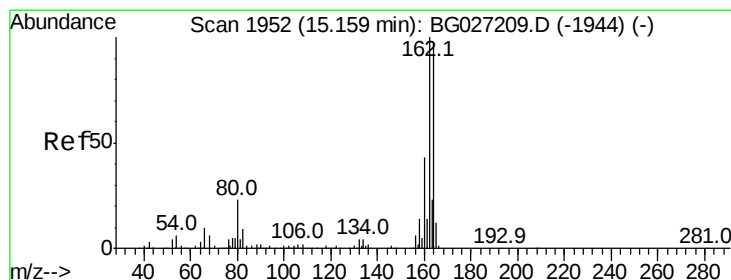
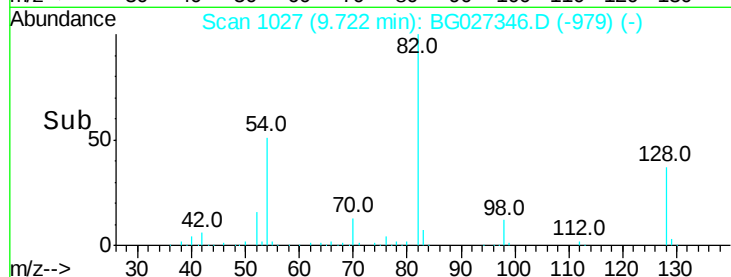
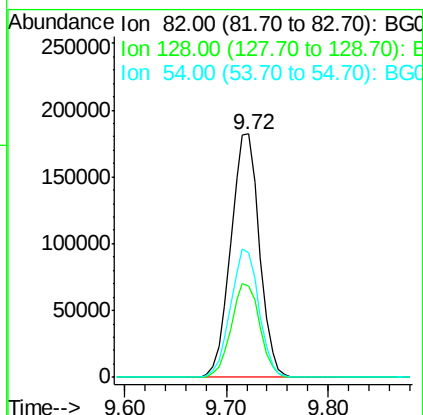
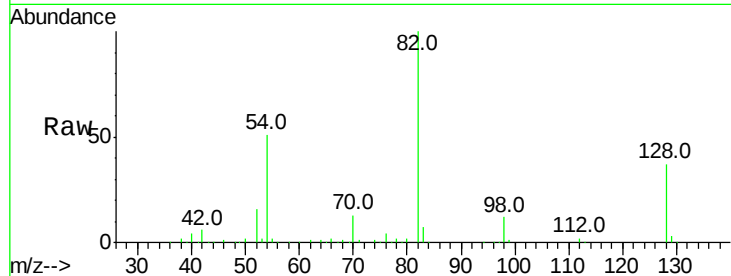




#23
 Nitrobenzene-d5
 Concen: 103.85 ng
 RT: 9.72 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BG027346.D
 Acq: 9 Jun 2017 10:50

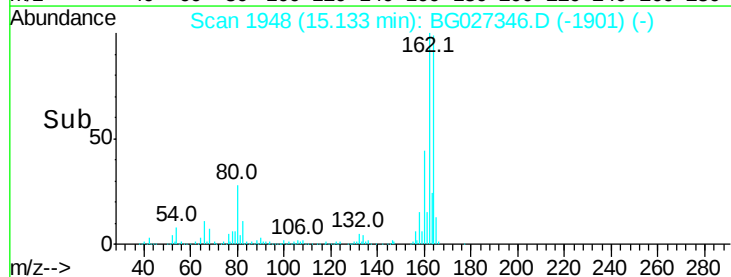
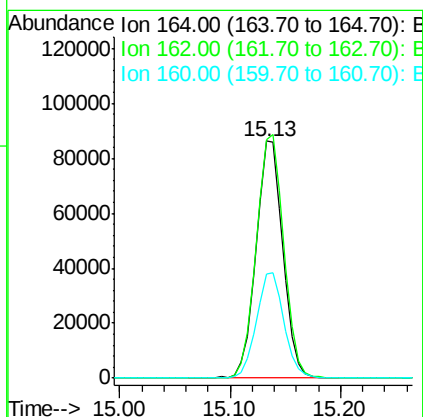
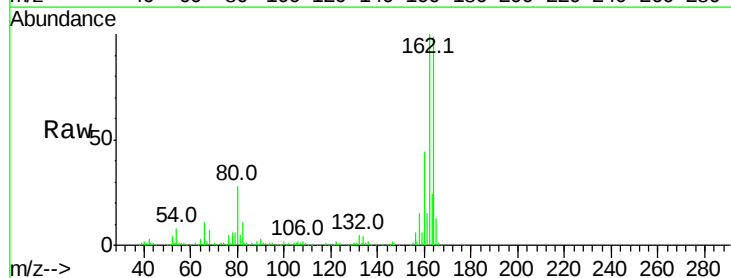
Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	82	Resp	355914
Ion	Ratio	Lower	Upper
82	100		
128	37.5	26.4	39.6
54	51.1	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1948
 Delta R.T. -0.03 min
 Lab File: BG027346.D
 Acq: 9 Jun 2017 10:50

Tgt Ion	164	Resp	147317
Ion	Ratio	Lower	Upper
164	100		
162	100.7	85.1	127.7
160	43.8	34.7	52.1

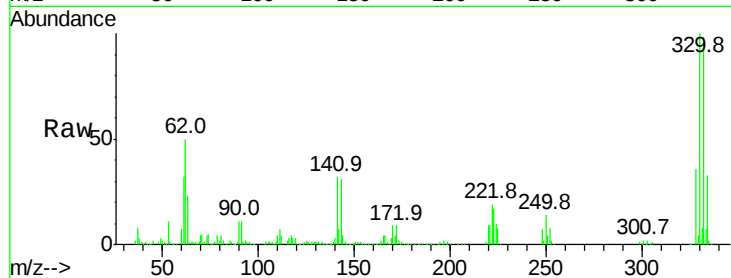




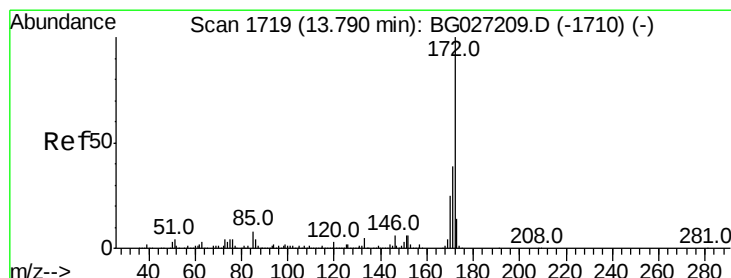
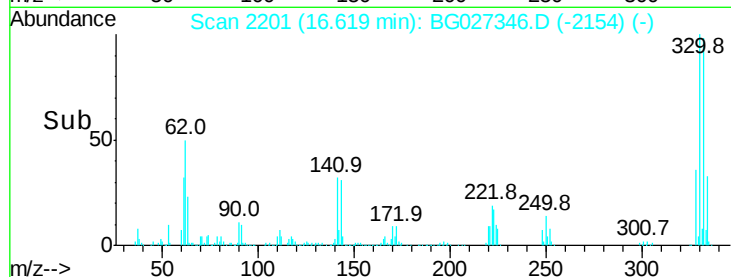
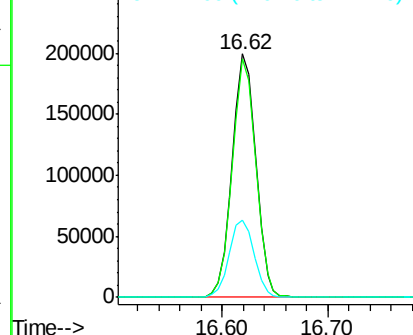
#41
 2,4,6-Tribromophenol
 Concen: 159.42 ng
 RT: 16.62 min Scan# 2201
 Delta R.T. -0.03 min
 Lab File: BG027346.D
 Acq: 9 Jun 2017 10:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	34.1	32.1	48.1

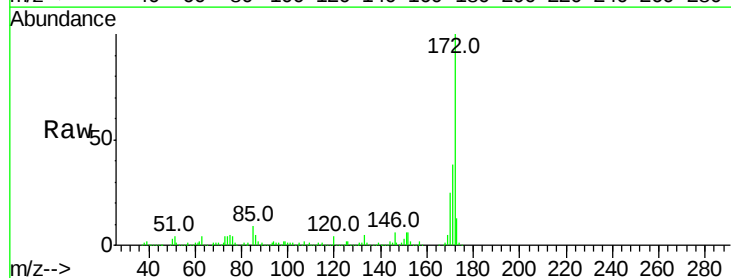


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

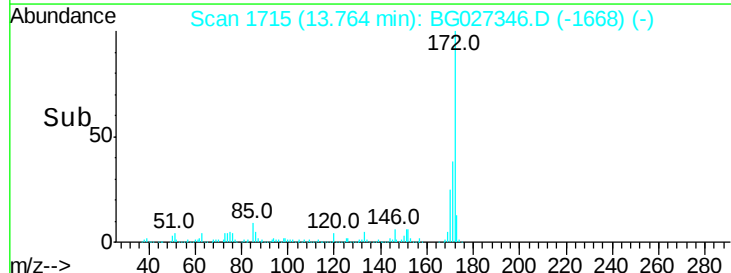
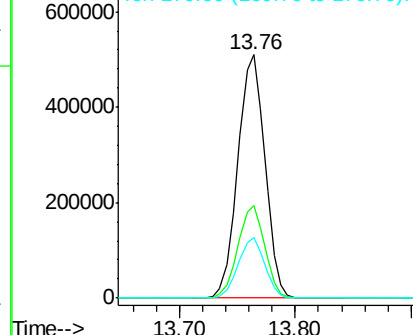


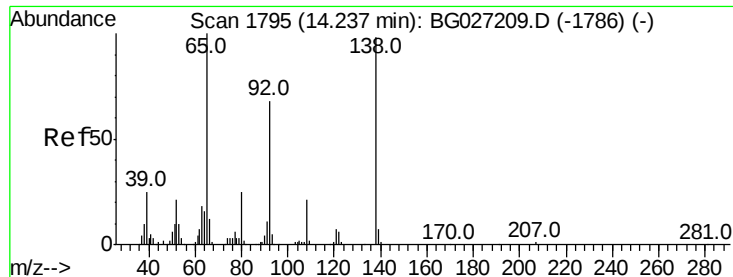
#44
 2-Fluorobiphenyl
 Concen: 78.77 ng
 RT: 13.76 min Scan# 1715
 Delta R.T. -0.03 min
 Lab File: BG027346.D
 Acq: 9 Jun 2017 10:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	32.2	48.2
170	24.7	21.8	32.6



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: 6.85 ng

RT: 14.20 min Scan# 1789

Delta R.T. -0.04 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

Instrument :

BNA_G

ClientSampled :

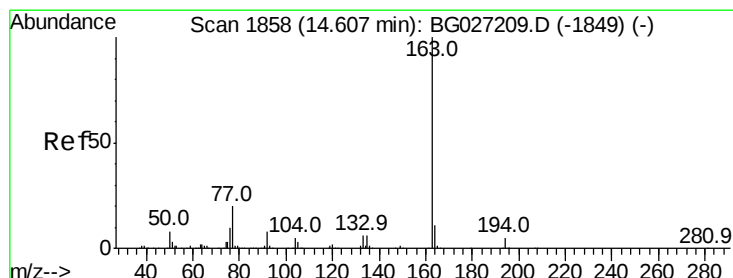
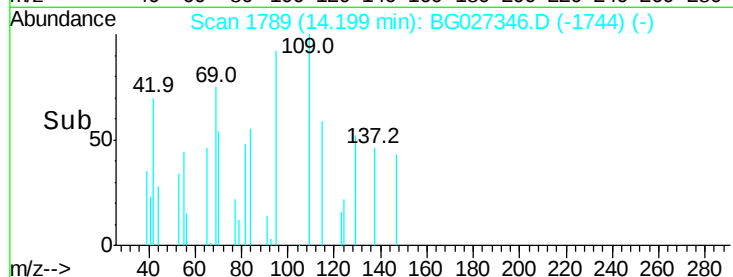
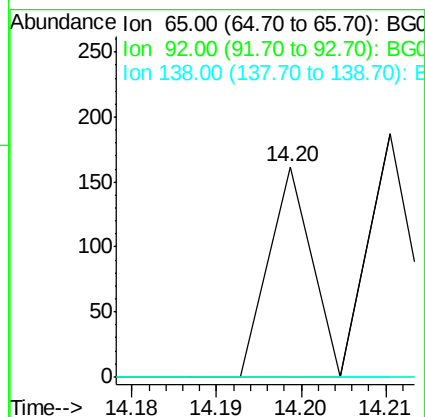
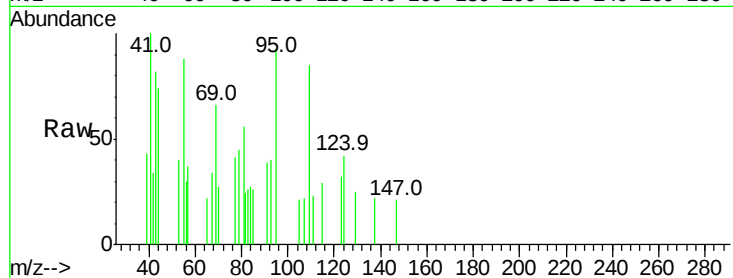
Tot Ion: 65 Resp: 57

Ion Ratio Lower Upper

65 100

92 0.0 49.0 73.4#

138 0.0 58.6 87.8#



#49

Dimethylphthalate

Concen: 2.46 ng

RT: 14.57 min Scan# 1852

Delta R.T. -0.04 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

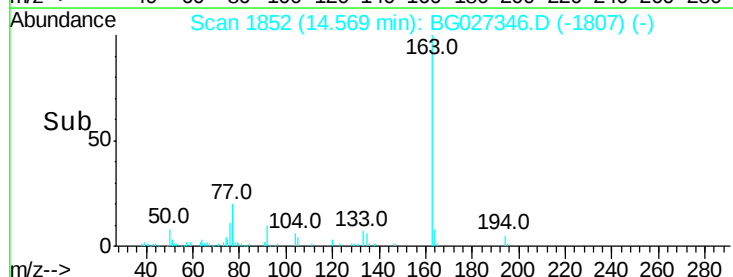
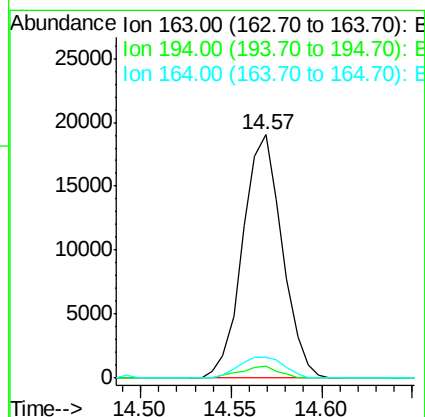
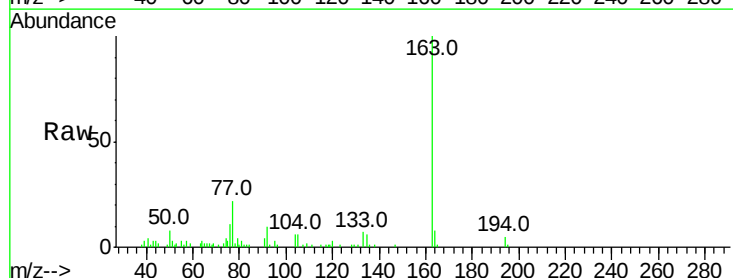
Tgt Ion: 163 Resp: 28770

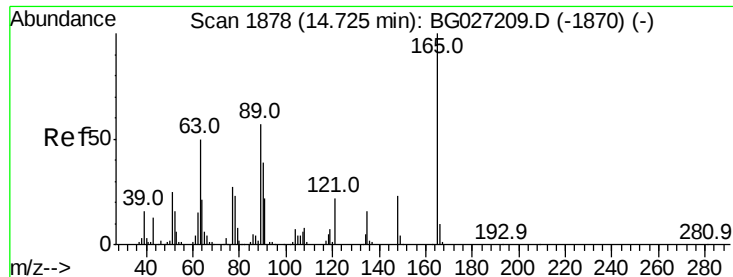
Ion Ratio Lower Upper

163 100

194 4.7 3.8 5.6

164 8.5 9.3 13.9#

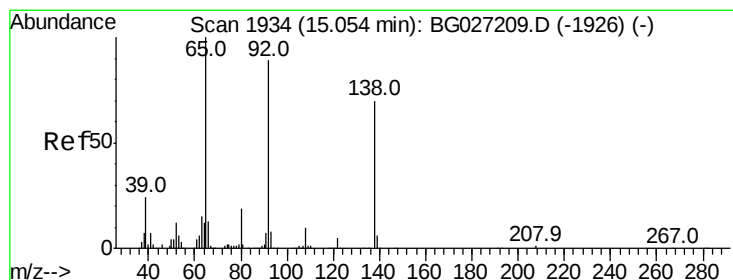
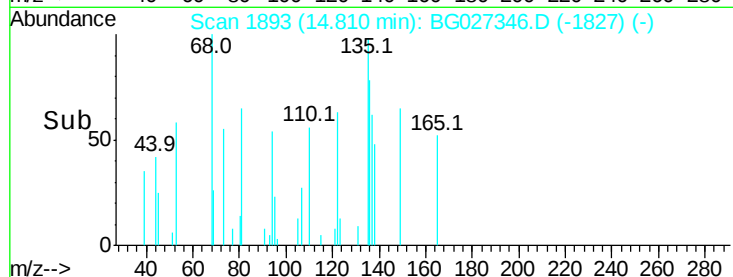
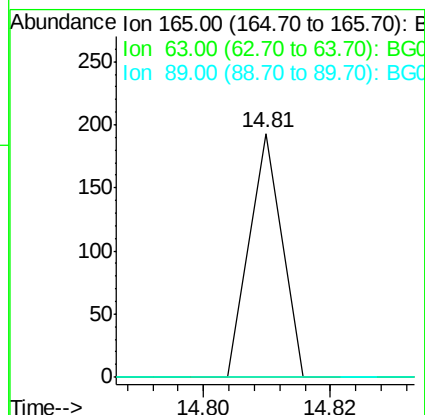
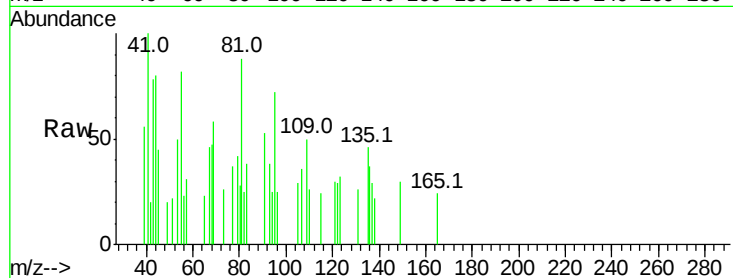




#50
2,6-Dinitrotoluene
Concen: 5.64 ng
RT: 14.81 min Scan# 1893
Delta R.T. 0.09 min
Lab File: BG027346.D
Acq: 9 Jun 2017 10:50

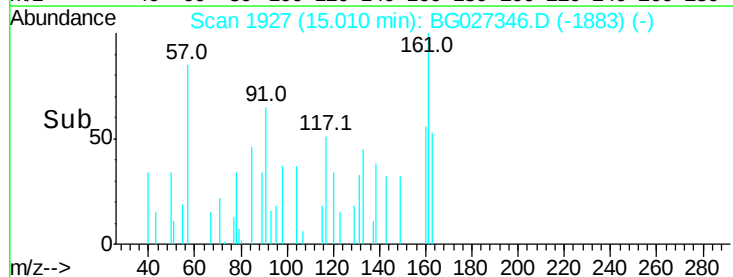
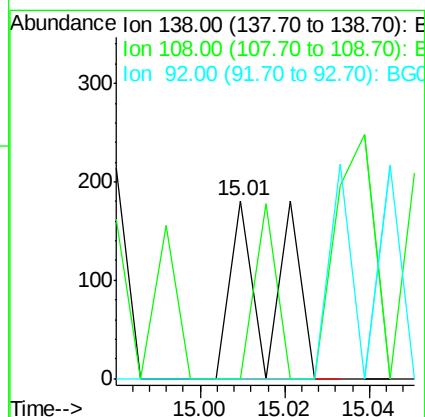
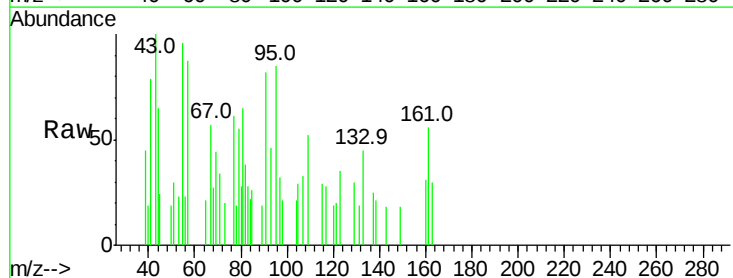
Instrument :
BNA_G
ClientSampleId :

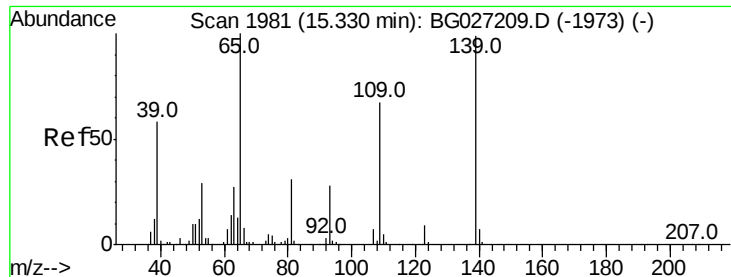
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.9	95.9#
89	0.0	58.6	88.0#



#52
3-Nitroaniline
Concen: 5.76 ng
RT: 15.01 min Scan# 1927
Delta R.T. -0.04 min
Lab File: BG027346.D
Acq: 9 Jun 2017 10:50

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	10.9	16.3#
92	0.0	115.3	172.9#





#55

4-Nitrophenol

Concen: 6.15 ng

RT: 15.27 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

Instrument :

BNA_G

ClientSampleId :

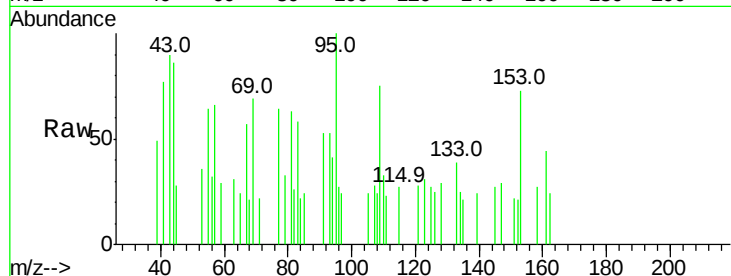
Tot Ion:139 Resp: 62

Ion Ratio Lower Upper

139 100

109 308.5 101.2 141.2#

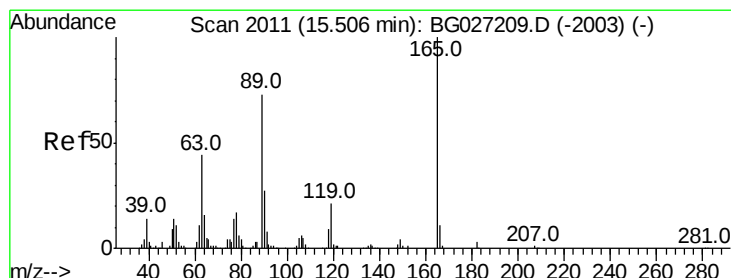
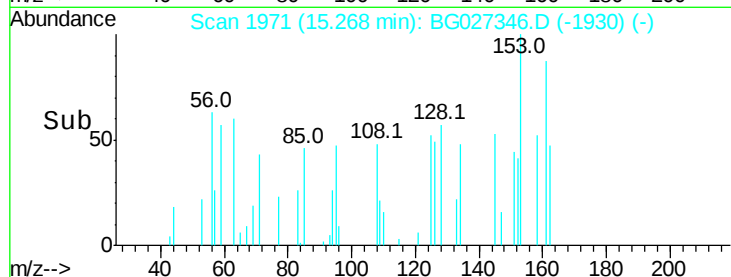
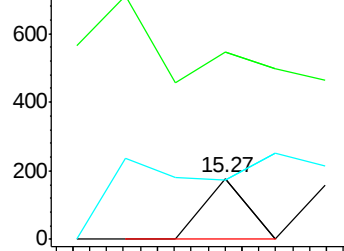
65 98.9 135.3 175.3#



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): BGC



#56

2,4-Dinitrotoluene

Concen: 7.12 ng

RT: 15.43 min Scan# 1999

Delta R.T. -0.07 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

Tgt Ion:165 Resp: 470

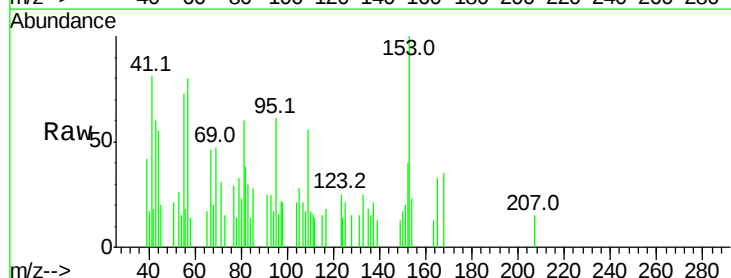
Ion Ratio Lower Upper

165 100

63 0.0 44.0 66.0#

89 0.0 67.3 100.9#

182 0.0 3.8 5.6#

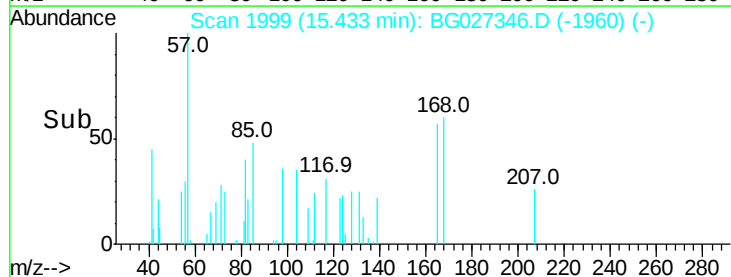
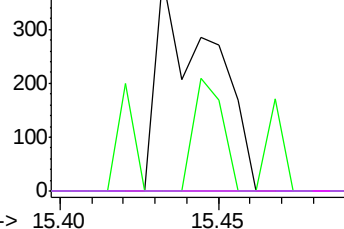


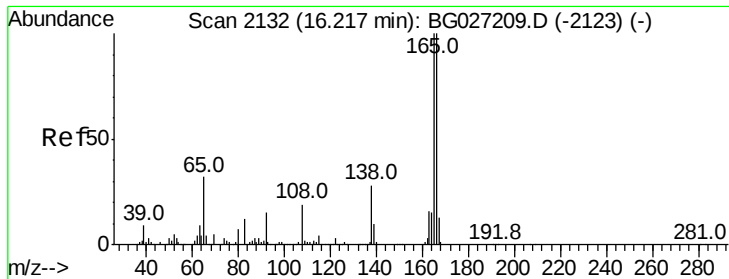
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

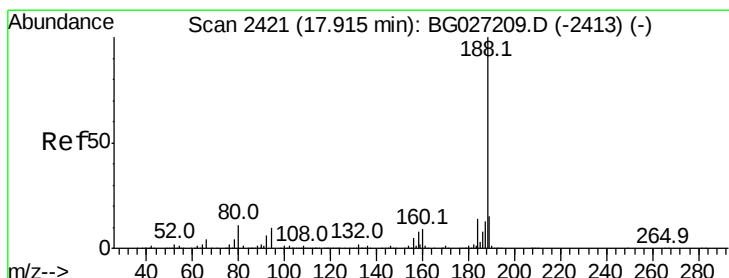
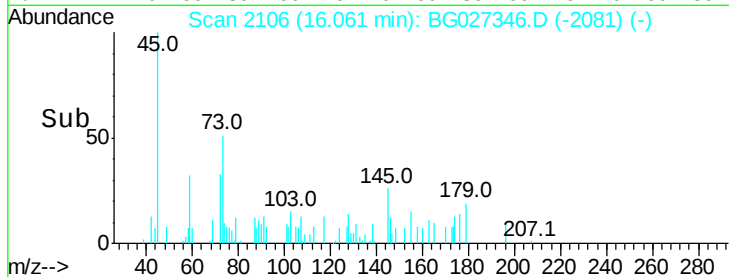
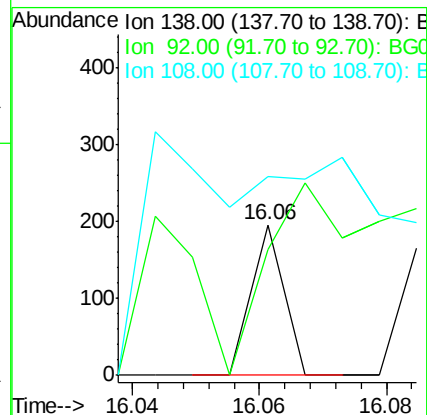
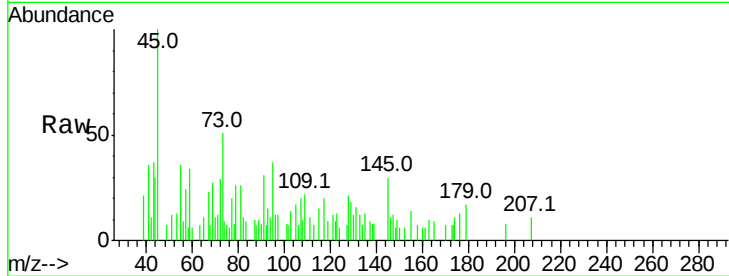




#61
4-Nitroaniline
Concen: 5.92 ng
RT: 16.06 min Scan# 2106
Delta R.T. -0.16 min
Lab File: BG027346.D
Acq: 9 Jun 2017 10:50

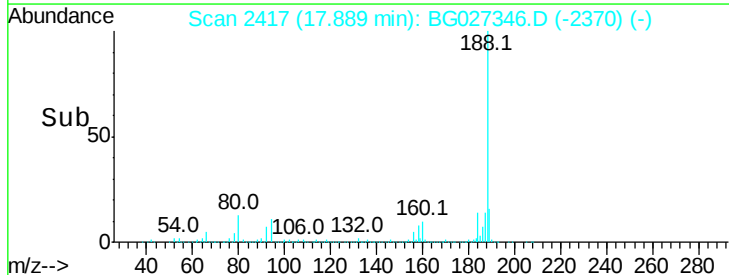
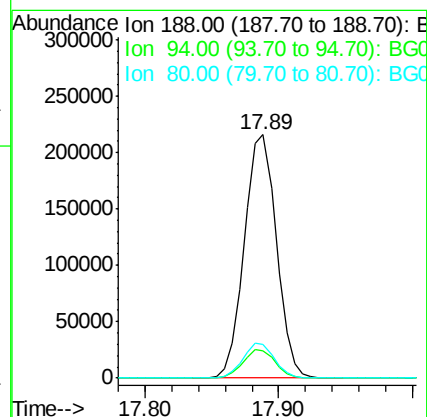
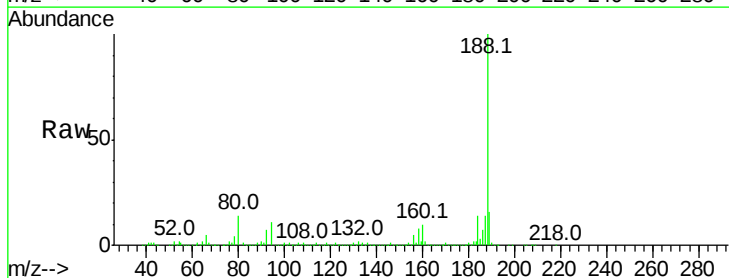
Instrument :
BNA_G
ClientSampleId :

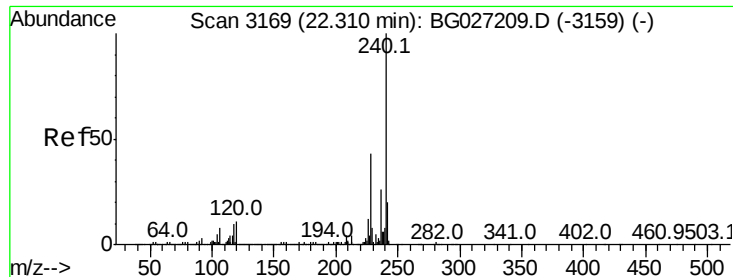
Tot Ion:138 Resp: 69
Ion Ratio Lower Upper
138 100
92 83.7 44.2 84.2
108 131.6 104.8 144.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.89 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BG027346.D
Acq: 9 Jun 2017 10:50

Tgt Ion:188 Resp: 357990
Ion Ratio Lower Upper
188 100
94 11.2 5.8 8.8#
80 13.6 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.27 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

Instrument :

BNA_G

ClientSampleId :

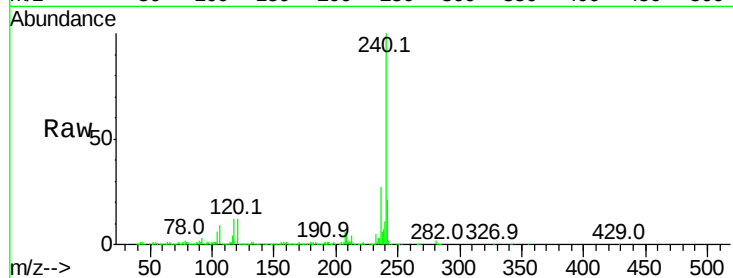
Tot Ion:240 Resp: 395636

Ion Ratio Lower Upper

240 100

120 11.9 5.7 8.5#

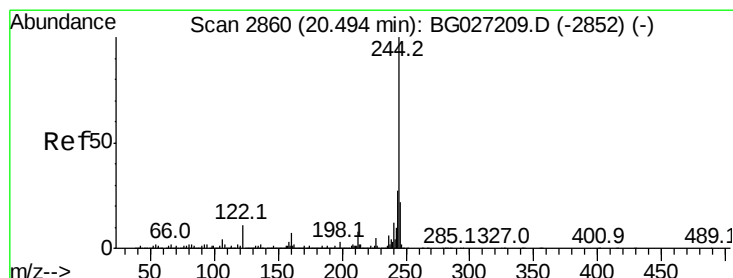
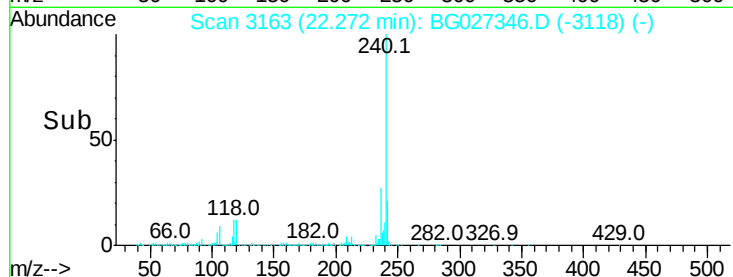
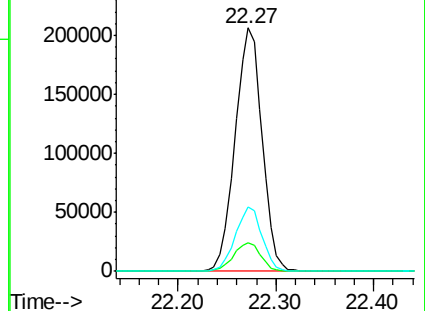
236 26.6 22.2 33.4



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



#78

Terphenyl-d14

Concen: 90.16 ng

RT: 20.46 min Scan# 2855

Delta R.T. -0.03 min

Lab File: BG027346.D

Acq: 9 Jun 2017 10:50

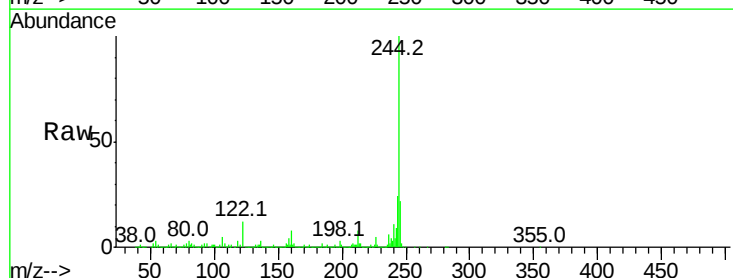
Tgt Ion:244 Resp: 1398365

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

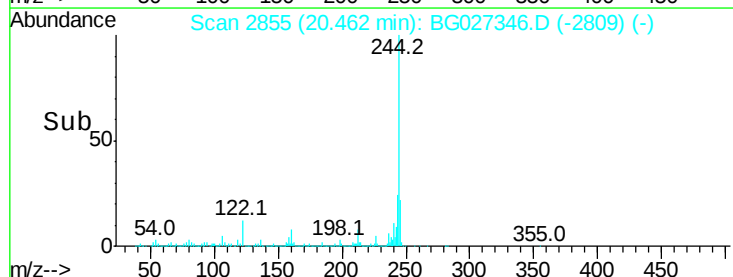
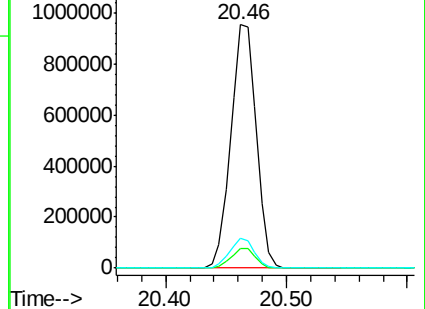
122 12.2 8.6 12.8

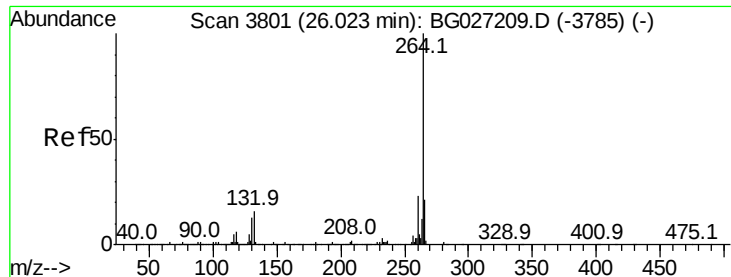


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.96 min Scan# 3790
Delta R.T. -0.07 min
Lab File: BG027346.D
Acq: 9 Jun 2017 10:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	21.8	32.8
265	22.5	18.2	27.4

