

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061317\
 Data File : BG027410.D
 Acq On : 14 Jun 2017 7:36
 Operator : SJ/MA
 Sample : I3640-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 14 11:34:12 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

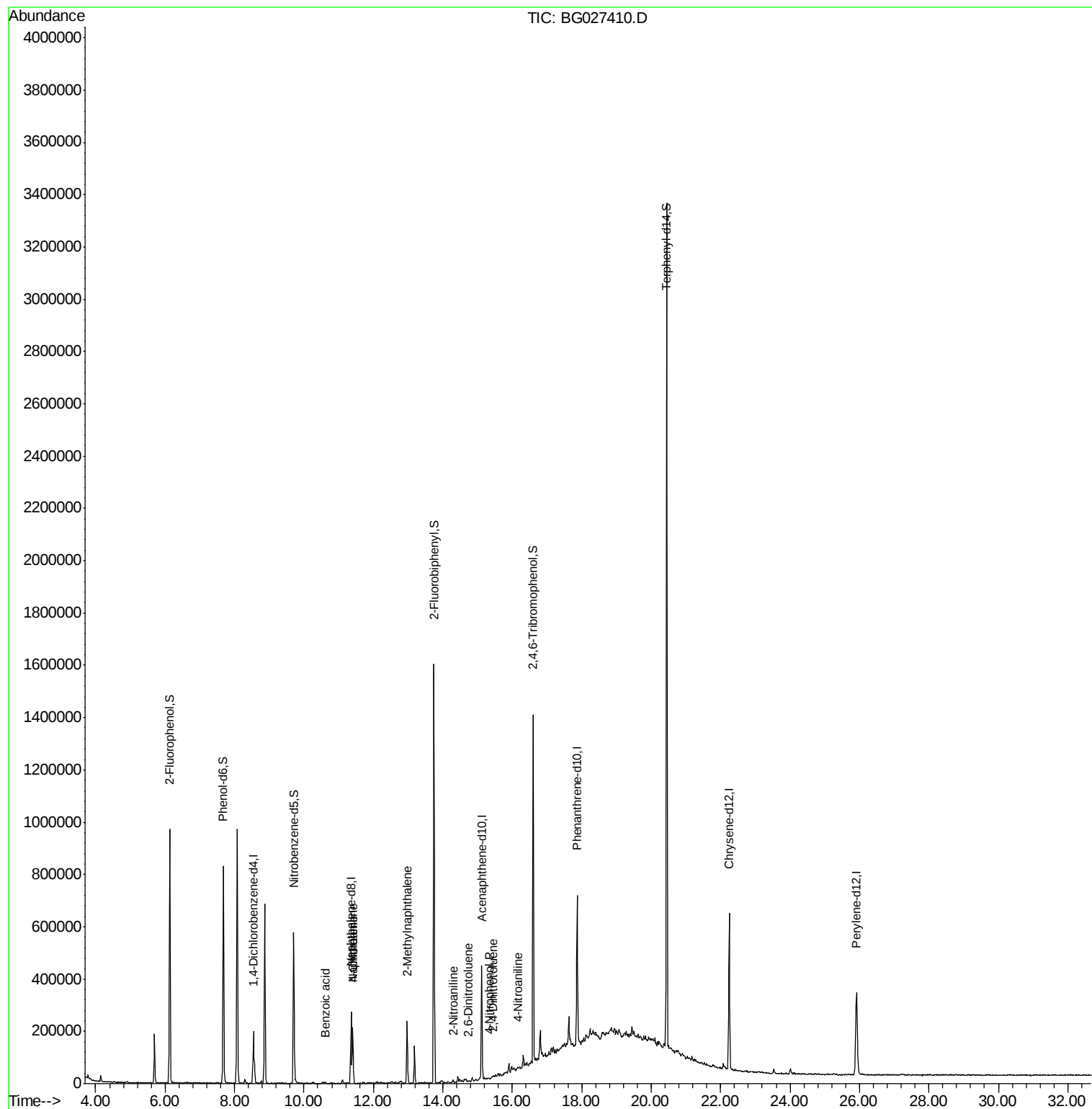
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.54	152	54472	20.00	ng	-0.04
21) Naphthalene-d8	11.36	136	238448	20.00	ng	-0.04
38) Acenaphthene-d10	15.12	164	141353	20.00	ng	-0.04
63) Phenanthrene-d10	17.87	188	338815	20.00	ng	-0.05
75) Chrysene-d12	22.25	240	408255	20.00	ng	-0.06
86) Perylene-d12	25.91	264	390090	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	426439	119.46	ng	-0.02
7) Phenol-d6	7.68	99	521787	99.58	ng	-0.02
23) Nitrobenzene-d5	9.70	82	385273	101.61	ng	-0.04
41) 2,4,6-Tribromophenol	16.60	330	266215	143.02	ng	-0.04
44) 2-Fluorobiphenyl	13.74	172	821659	81.32	ng	-0.05
78) Terphenyl-d14	20.45	244	1455388	90.94	ng	-0.05
Target Compounds						
31) Naphthalene	11.40	128	187768	14.41	ng	Qvalue 98
32) Benzoic acid	10.61	122	156	8.07	ng	# 57
33) 4-Chloroaniline	11.41	127	25255	4.65	ng	# 31
37) 2-Methylnaphthalene	12.97	142	117381	12.35	ng	93
47) 2-Nitroaniline	14.31	65	198	6.90	ng	# 16
50) 2,6-Dinitrotoluene	14.72	165	79	5.65	ng	# 11
55) 4-Nitrophenol	15.34	139	59	6.15	ng	# 1
56) 2,4-Dinitrotoluene	15.45	165	625	7.17	ng	# 11
61) 4-Nitroaniline	16.15	138	154	5.95	ng	94

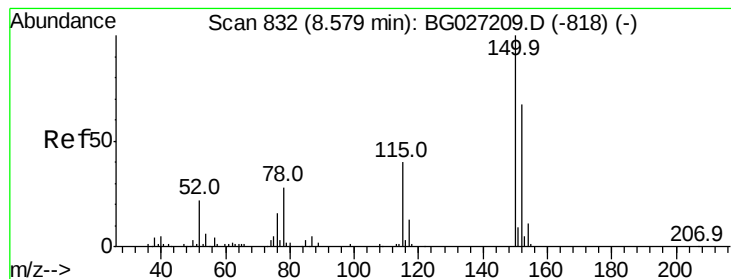
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.54 min Scan# 826

Delta R.T. -0.04 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

Instrument :

BNA_G

ClientSampleId :

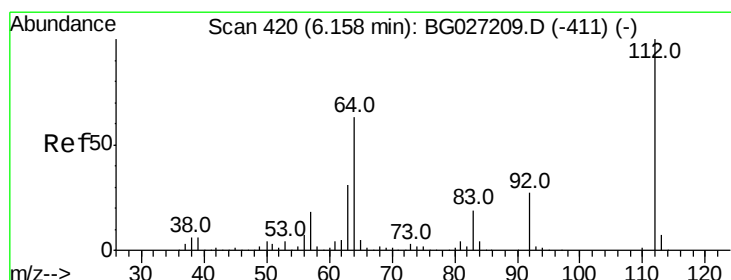
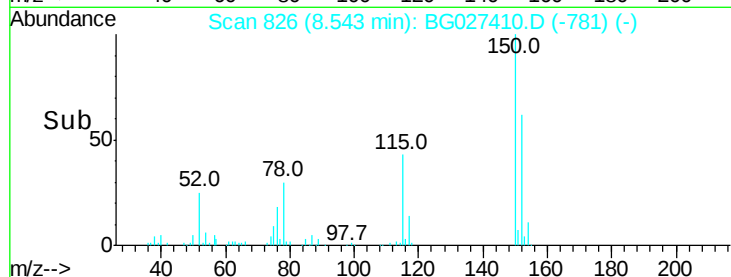
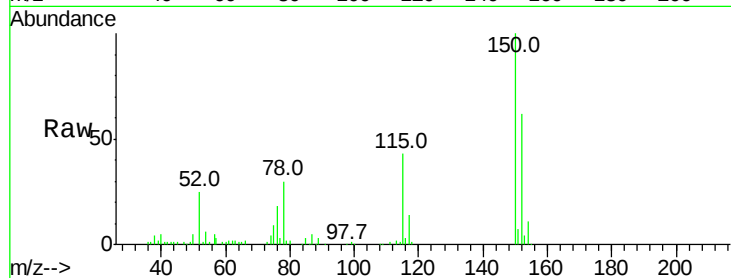
Tot Ion:152 Resp: 54472

Ion Ratio Lower Upper

152 100

150 160.8 114.0 171.0

115 68.6 48.1 72.1



#5

2-Fluorophenol

Concen: 119.46 ng

RT: 6.13 min Scan# 416

Delta R.T. -0.02 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

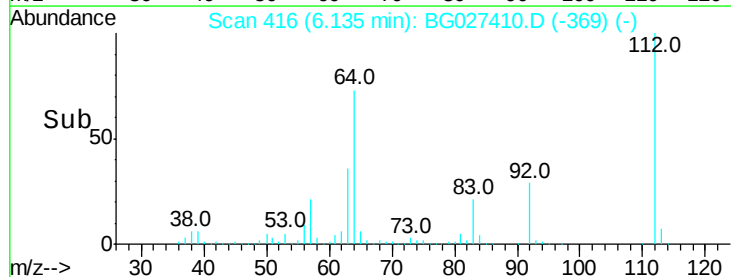
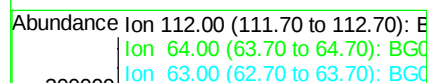
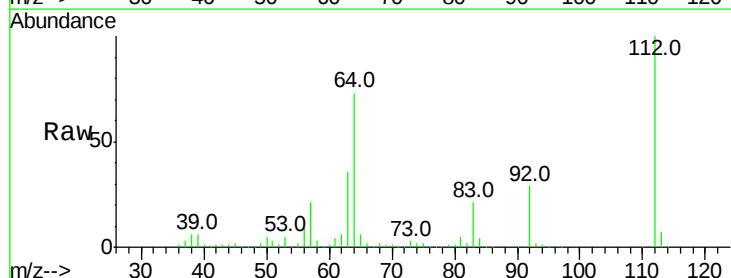
Tgt Ion:112 Resp: 426439

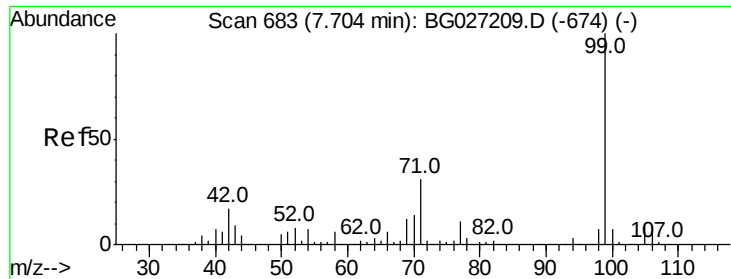
Ion Ratio Lower Upper

112 100

64 73.1 61.8 92.6

63 36.5 37.2 55.8#





#7

Phenol-d6

Concen: 99.58 ng

RT: 7.68 min Scan# 679

Delta R.T. -0.02 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

Instrument :

BNA_G

ClientSampleId :

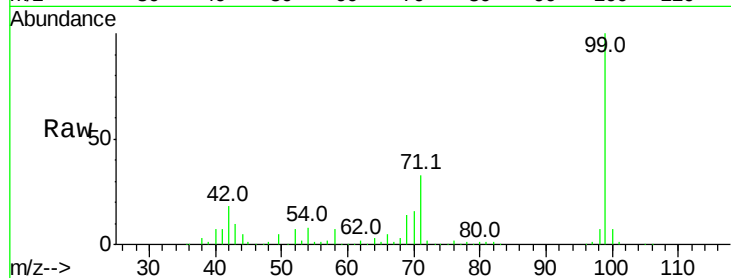
Tot Ion: 99 Resp: 521787

Ion Ratio Lower Upper

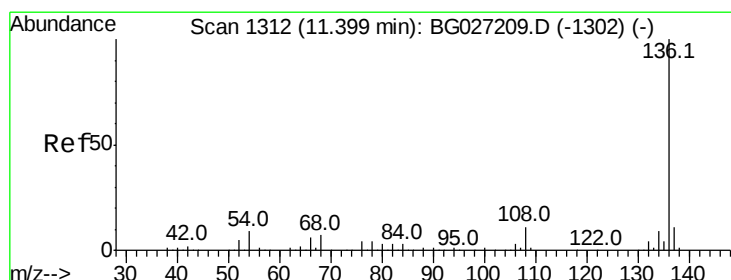
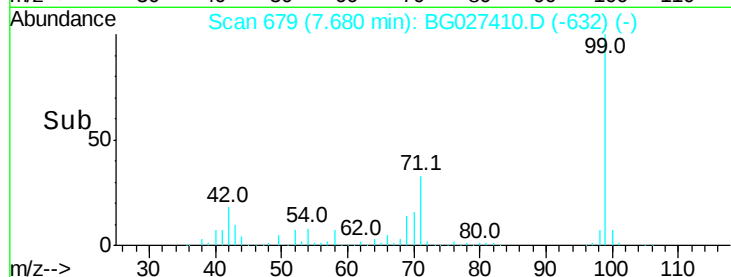
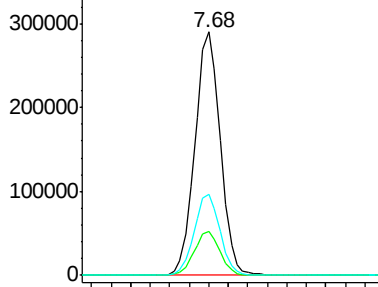
99 100

42 17.8 20.5 30.7#

71 33.1 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: 11.36 min Scan# 1305

Delta R.T. -0.04 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

Tgt Ion: 136 Resp: 238448

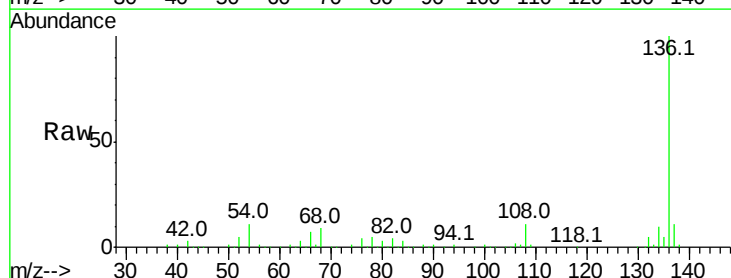
Ion Ratio Lower Upper

136 100

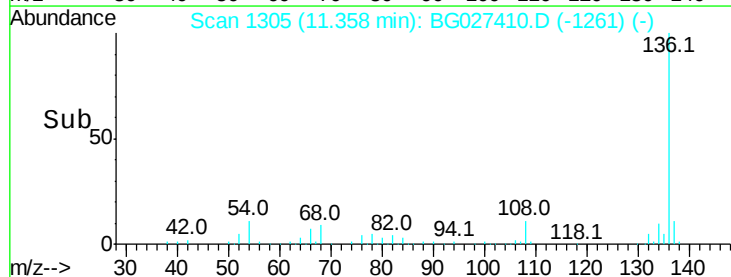
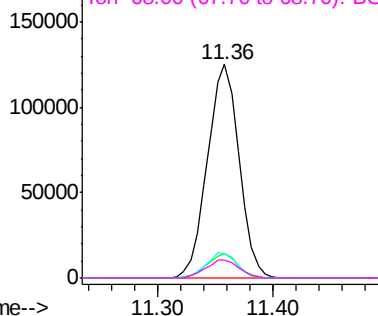
137 11.3 8.9 13.3

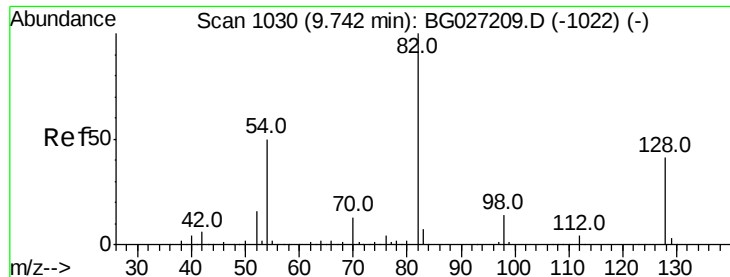
54 11.2 9.3 13.9

68 8.5 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

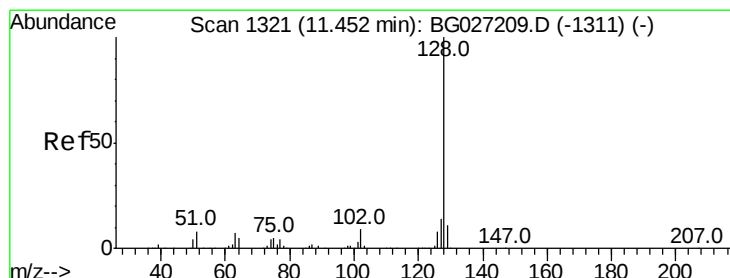
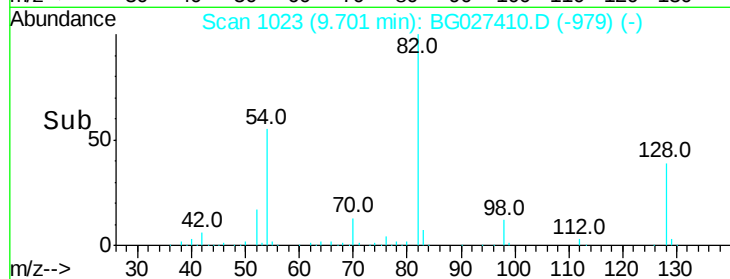
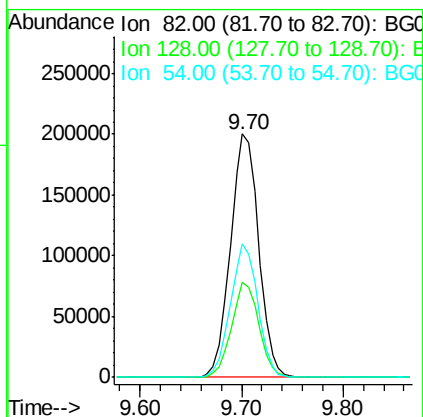
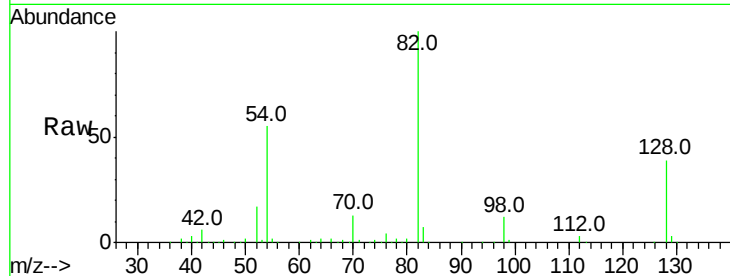




#23
 Nitrobenzene-d5
 Concen: 101.61 ng
 RT: 9.70 min Scan# 1023
 Delta R.T. -0.04 min
 Lab File: BG027410.D
 Acq: 14 Jun 2017 7:36

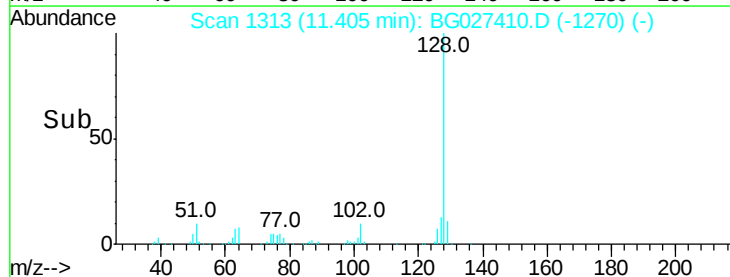
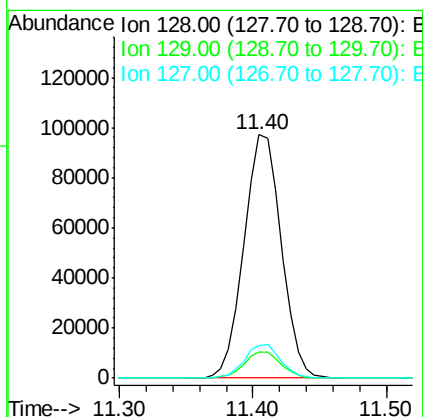
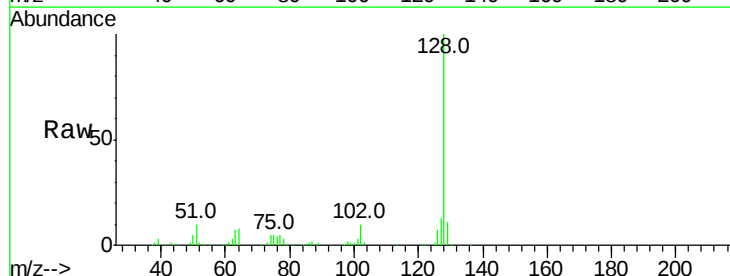
Instrument :
 BNA_G
 ClientSampleId :

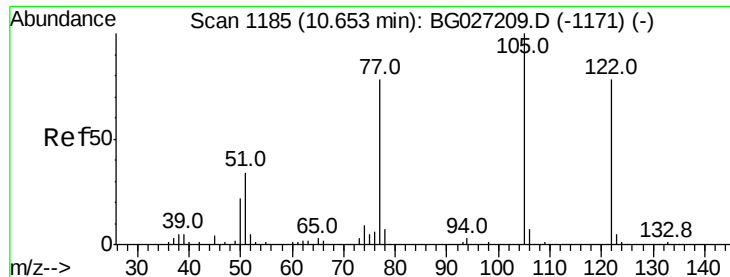
Tot Ion	82	Resp	385273
Ion	Ratio	Lower	Upper
82	100		
128	38.9	26.4	39.6
54	54.7	49.4	74.2



#31
 Naphthalene
 Concen: 14.41 ng
 RT: 11.40 min Scan# 1313
 Delta R.T. -0.05 min
 Lab File: BG027410.D
 Acq: 14 Jun 2017 7:36

Tgt Ion	128	Resp	187768
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	13.4	11.4	17.0

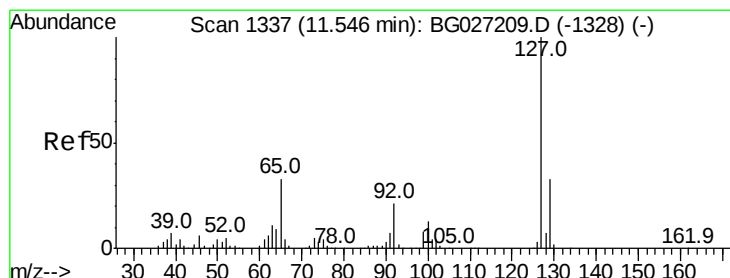
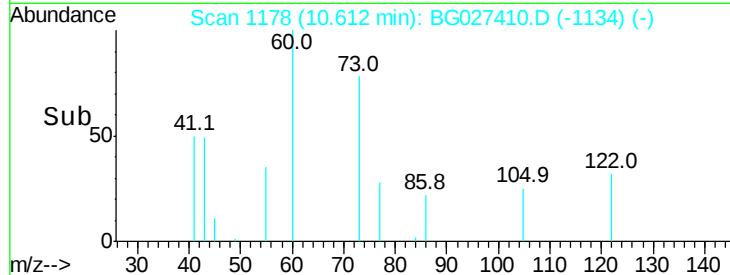
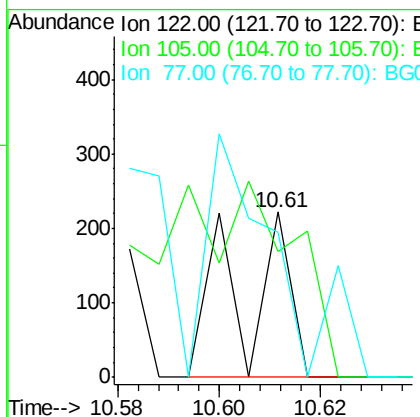
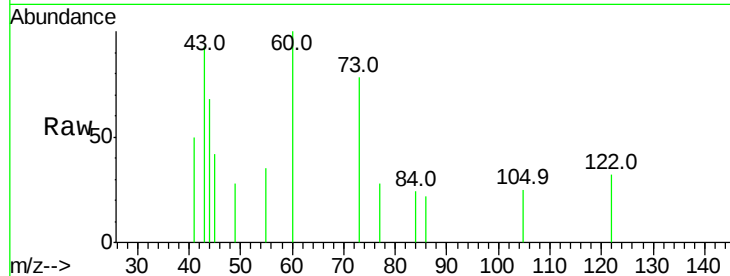




#32
Benzoic acid
Concen: 8.07 ng
RT: 10.61 min Scan# 1178
Delta R.T. -0.04 min
Lab File: BG027410.D
Acq: 14 Jun 2017 7:36

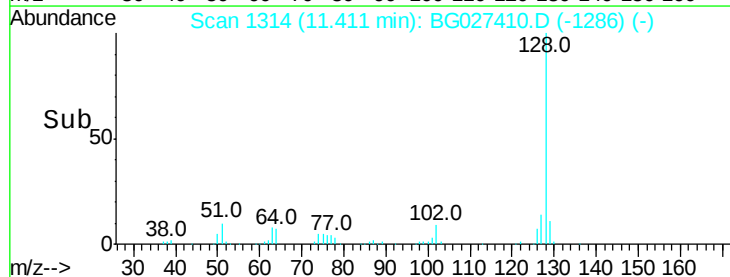
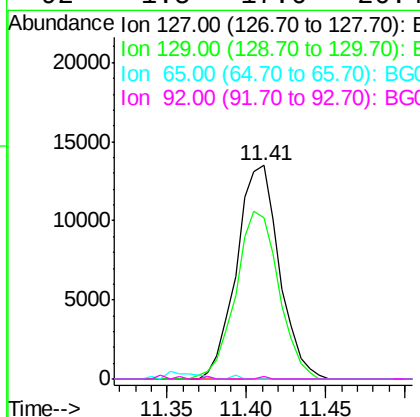
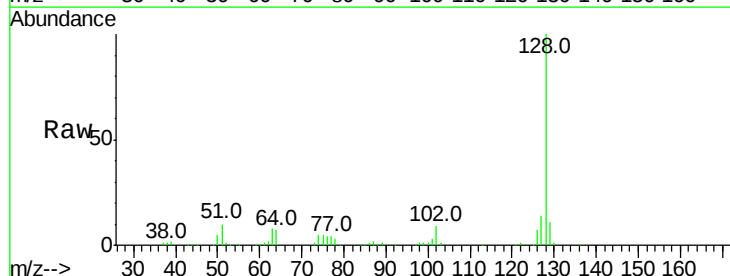
Instrument :
BNA_G
ClientSampled :

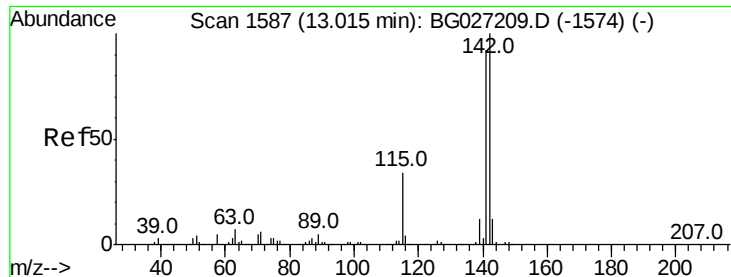
Tot Ion:122 Resp: 156
Ion Ratio Lower Upper
122 100
105 76.1 120.1 160.1#
77 87.4 104.6 144.6#



#33
4-Chloroaniline
Concen: 4.65 ng
RT: 11.41 min Scan# 1314
Delta R.T. -0.14 min
Lab File: BG027410.D
Acq: 14 Jun 2017 7:36

Tgt Ion:127 Resp: 25255
Ion Ratio Lower Upper
127 100
129 75.5 23.6 35.4#
65 0.0 37.7 56.5#
92 1.5 17.6 26.4#

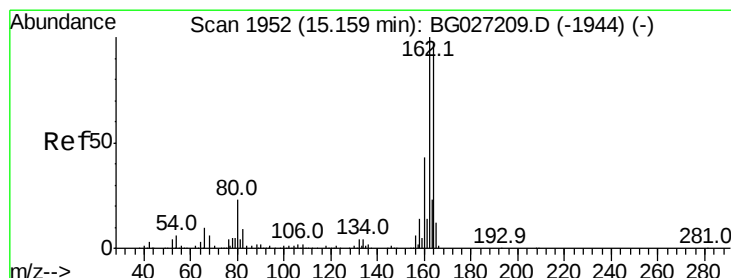
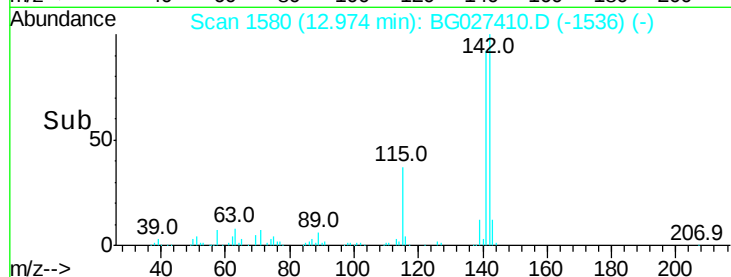
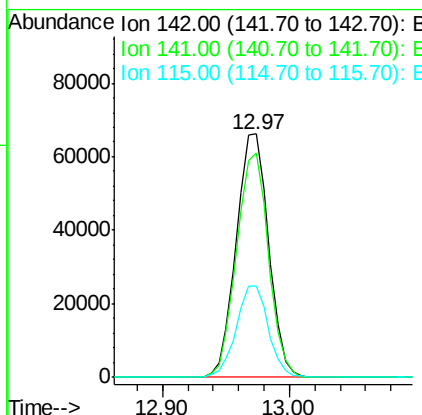
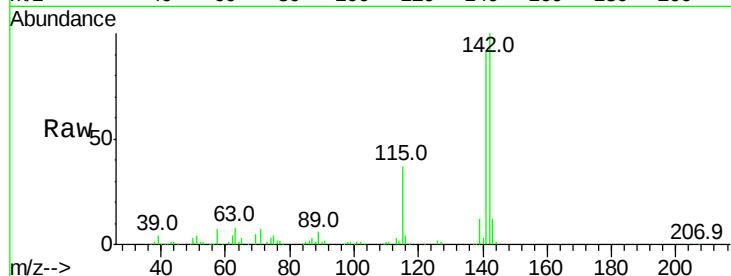




#37
2-Methylnaphthalene
Concen: 12.35 ng
RT: 12.97 min Scan# 1580
Delta R.T. -0.04 min
Lab File: BG027410.D
Acq: 14 Jun 2017 7:36

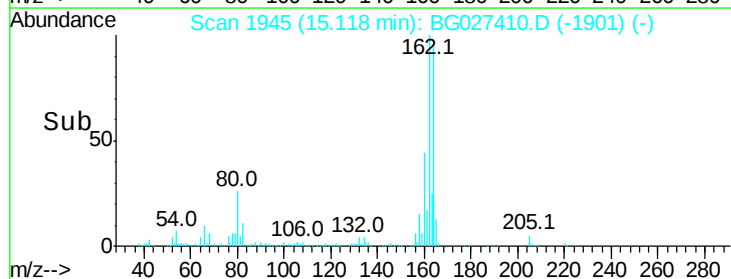
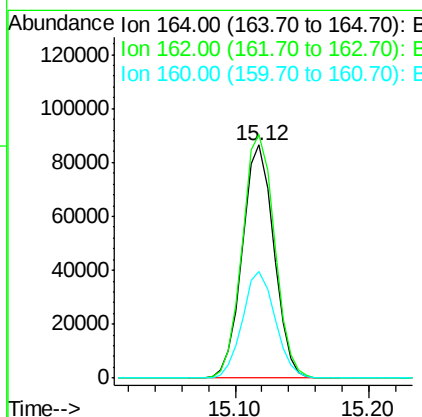
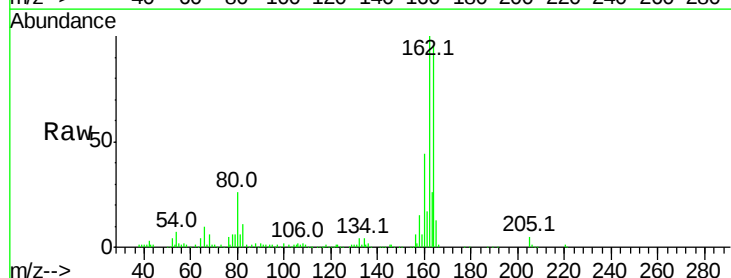
Instrument :
BNA_G
ClientSampled :

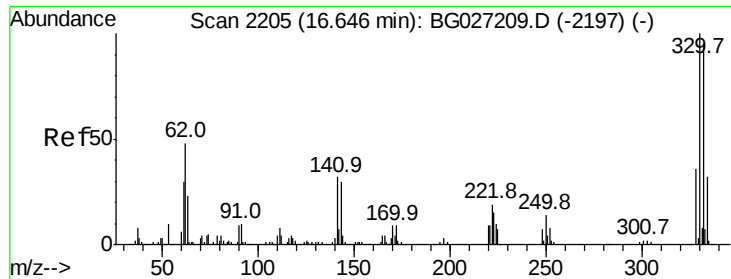
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	70.4	105.6
115	37.4	35.5	53.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.12 min Scan# 1945
Delta R.T. -0.04 min
Lab File: BG027410.D
Acq: 14 Jun 2017 7:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	85.1	127.7
160	45.5	34.7	52.1

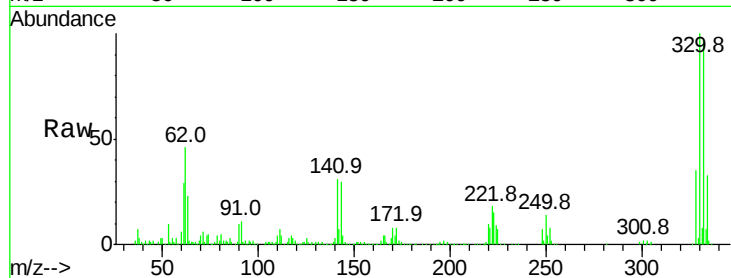




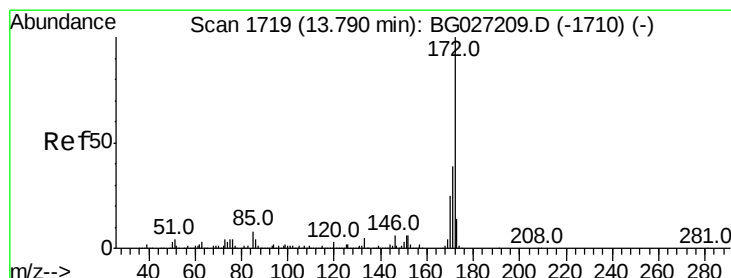
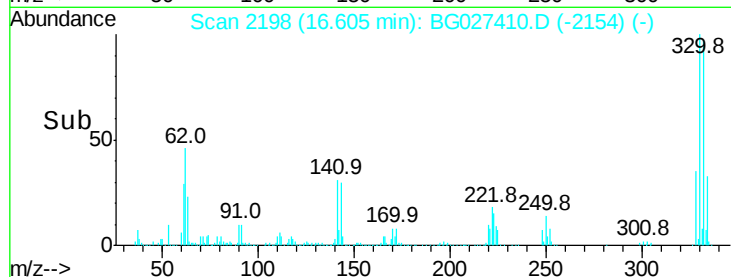
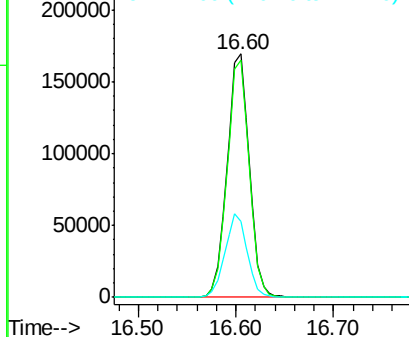
#41
 2,4,6-Tribromophenol
 Concen: 143.02 ng
 RT: 16.60 min Scan# 2198
 Delta R.T. -0.04 min
 Lab File: BG027410.D
 Acq: 14 Jun 2017 7:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	33.8	32.1	48.1

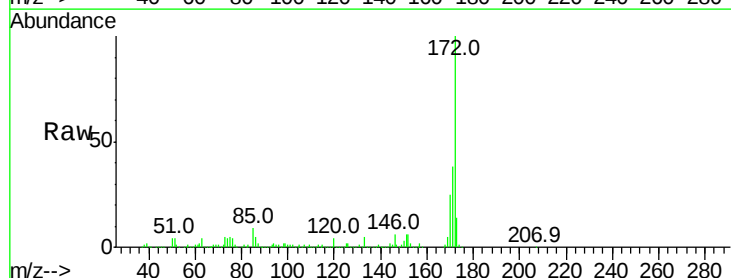


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

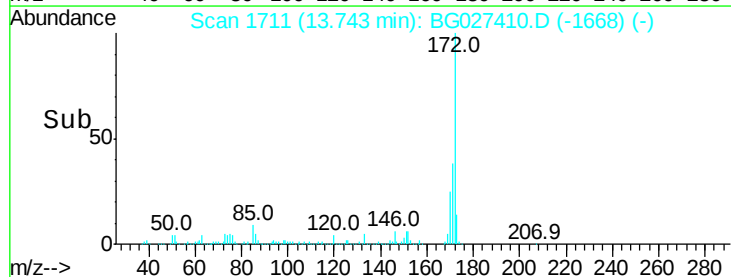
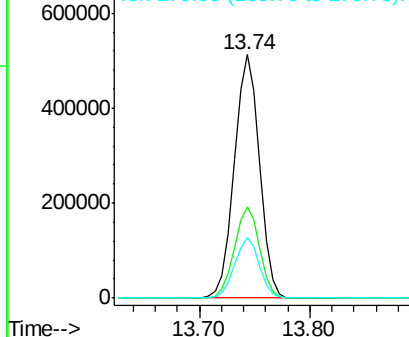


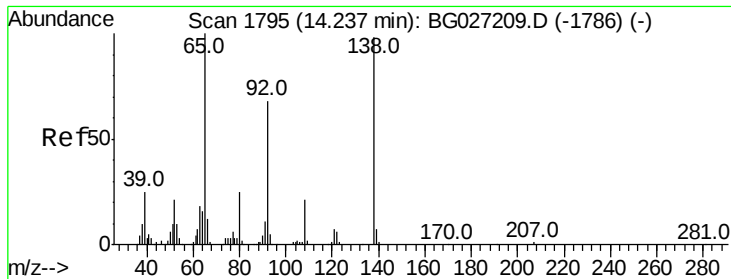
#44
 2-Fluorobiphenyl
 Concen: 81.32 ng
 RT: 13.74 min Scan# 1711
 Delta R.T. -0.05 min
 Lab File: BG027410.D
 Acq: 14 Jun 2017 7:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	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: 6.90 ng

RT: 14.31 min Scan# 1807

Delta R.T. 0.07 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

Instrument :

BNA_G

ClientSampleId :

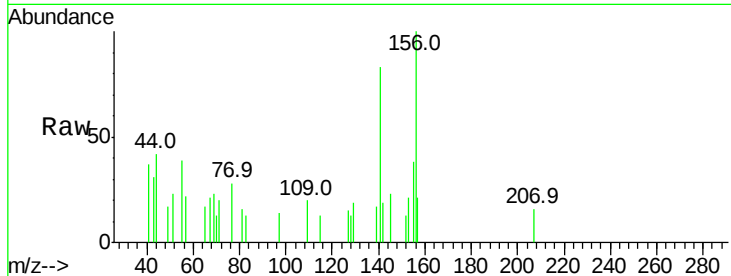
Tot Ion: 65 Resp: 198

Ion Ratio Lower Upper

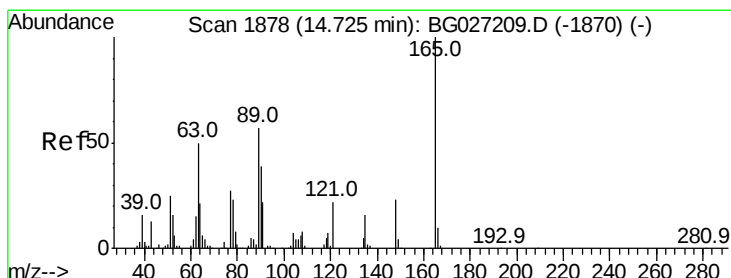
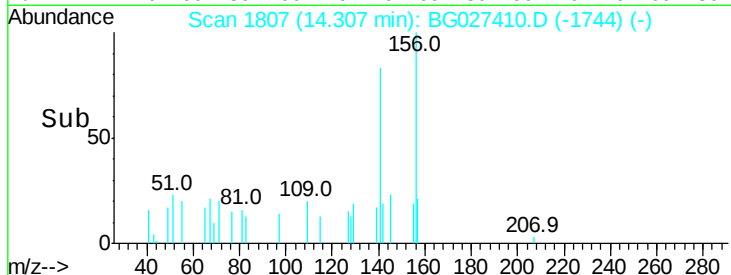
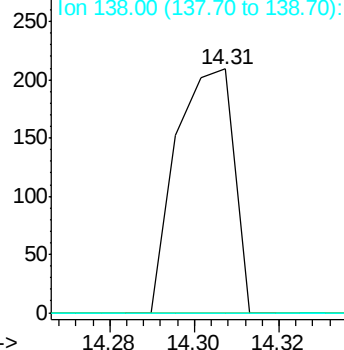
65 100

92 0.0 49.0 73.4#

138 0.0 58.6 87.8#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 5.65 ng

RT: 14.72 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

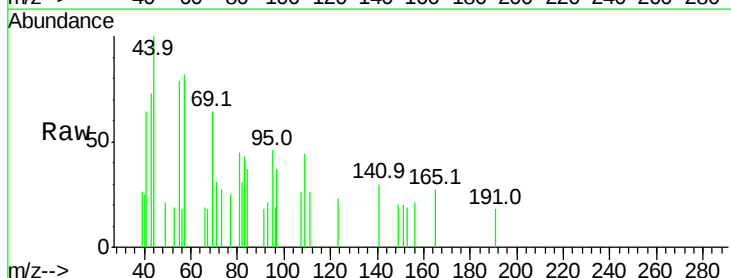
Tgt Ion: 165 Resp: 79

Ion Ratio Lower Upper

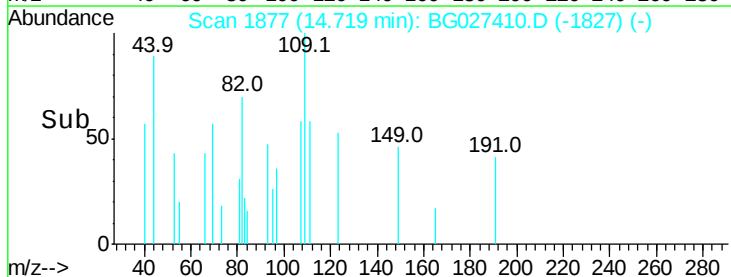
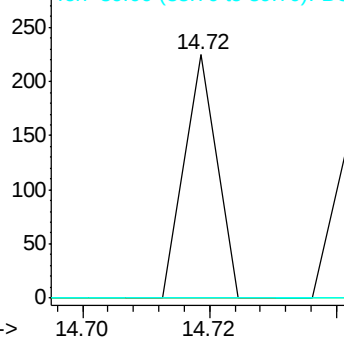
165 100

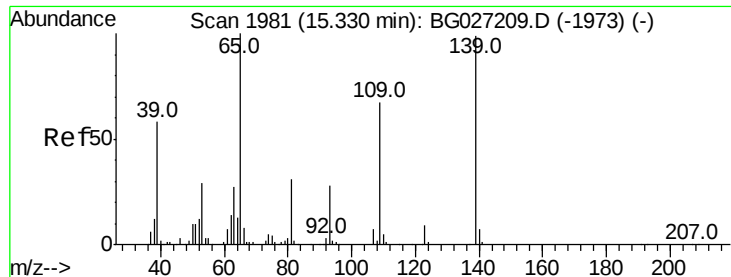
63 0.0 63.9 95.9#

89 0.0 58.6 88.0#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#55

4-Nitrophenol

Concen: 6.15 ng

RT: 15.34 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

Instrument :

BNA_G

ClientSampleId :

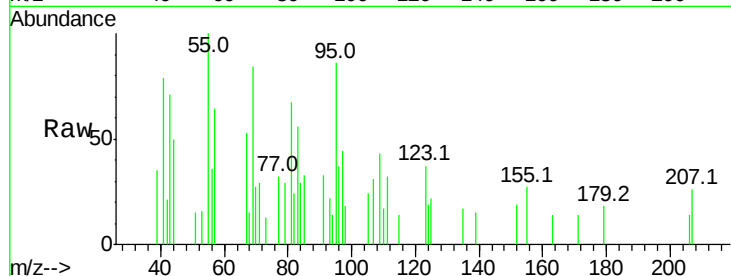
Tot Ion:139 Resp: 59

Ion Ratio Lower Upper

139 100

109 293.4 101.2 141.2#

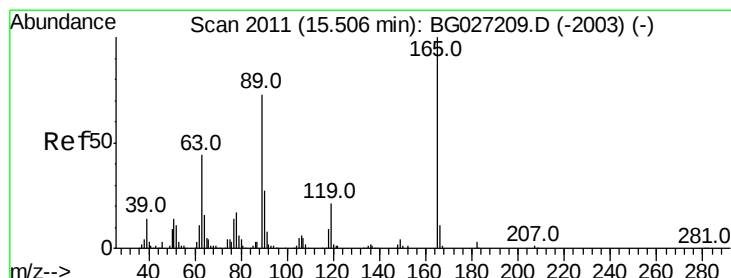
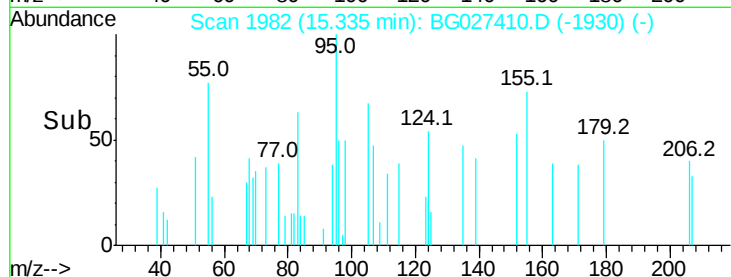
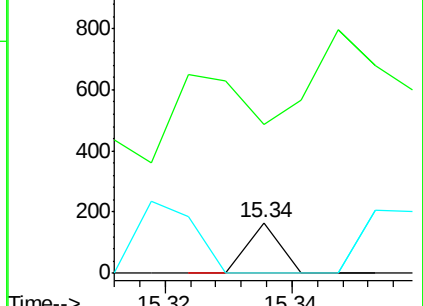
65 0.0 135.3 175.3#



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: 7.17 ng

RT: 15.45 min Scan# 2002

Delta R.T. -0.05 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

Tgt Ion:165 Resp: 625

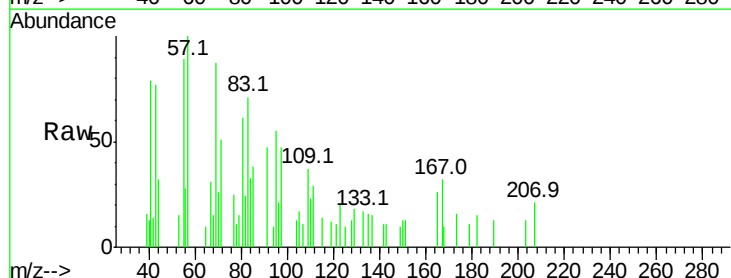
Ion Ratio Lower Upper

165 100

63 0.0 44.0 66.0#

89 0.0 67.3 100.9#

182 59.6 3.8 5.6#

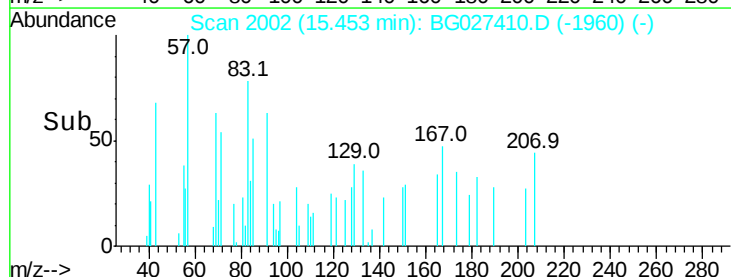
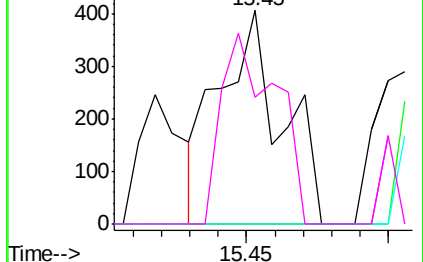


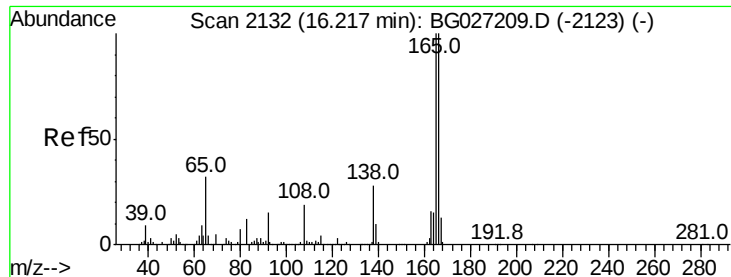
Abundance Ion 165.00 (164.70 to 165.70): E

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

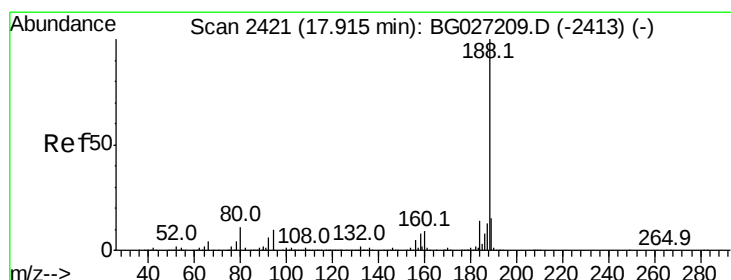
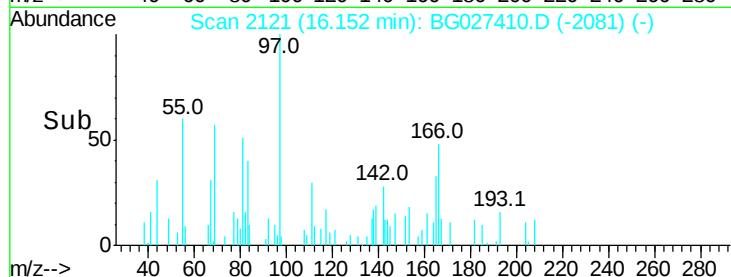
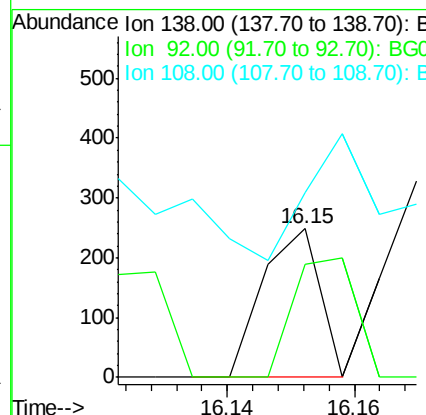
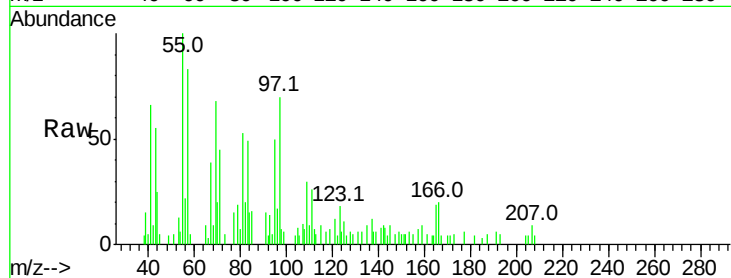




#61
4-Nitroaniline
Concen: 5.95 ng
RT: 16.15 min Scan# 2121
Delta R.T. -0.06 min
Lab File: BG027410.D
Acq: 14 Jun 2017 7:36

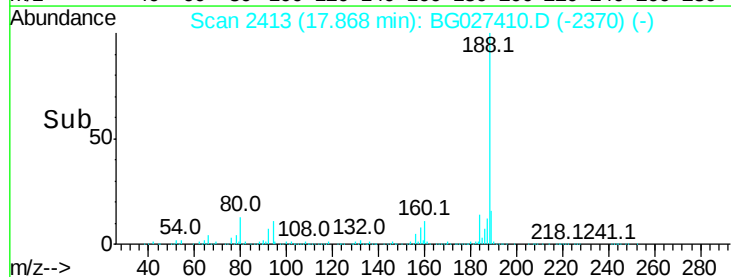
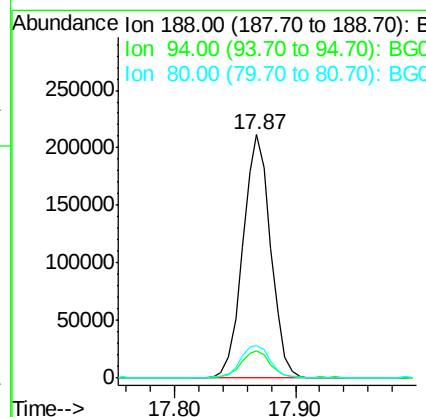
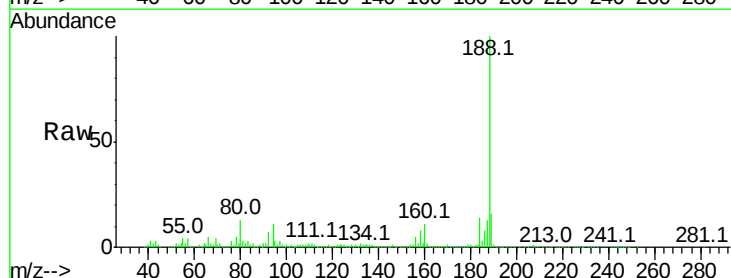
Instrument :
BNA_G
ClientSampleId :

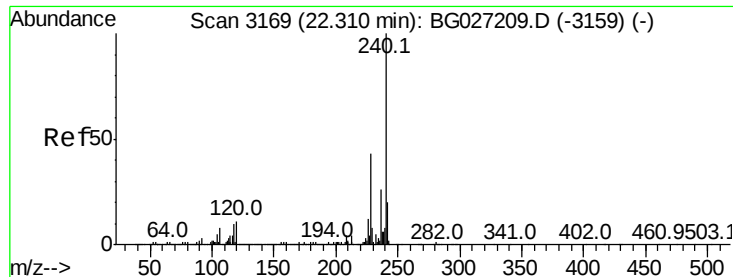
Tot Ion:138 Resp: 154
Ion Ratio Lower Upper
138 100
92 75.9 44.2 84.2
108 123.7 104.8 144.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.87 min Scan# 2413
Delta R.T. -0.05 min
Lab File: BG027410.D
Acq: 14 Jun 2017 7:36

Tgt Ion:188 Resp: 338815
Ion Ratio Lower Upper
188 100
94 11.3 5.8 8.8#
80 13.4 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.25 min Scan# 3158

Delta R.T. -0.06 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

Instrument :

BNA_G

ClientSampled :

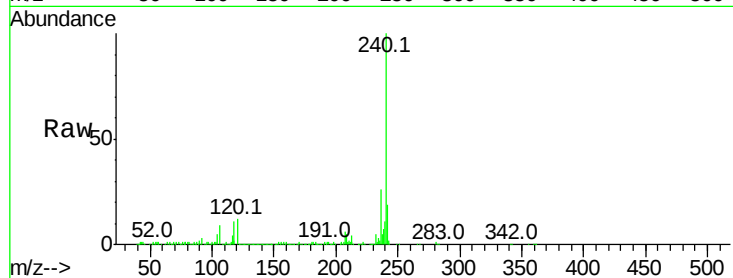
Tot Ion:240 Resp: 408255

Ion Ratio Lower Upper

240 100

120 11.8 5.7 8.5#

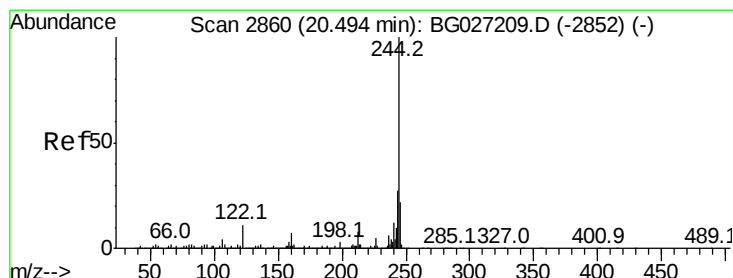
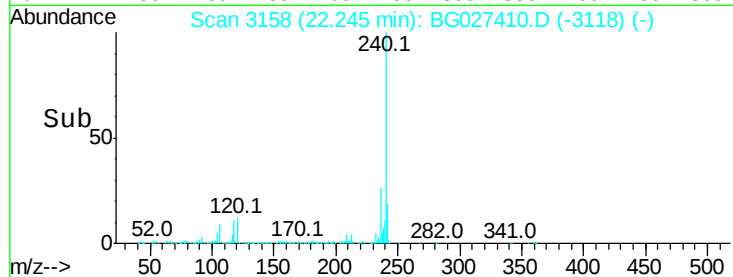
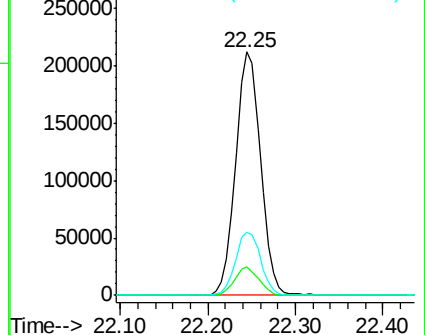
236 26.1 22.2 33.4



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: 90.94 ng

RT: 20.45 min Scan# 2852

Delta R.T. -0.05 min

Lab File: BG027410.D

Acq: 14 Jun 2017 7:36

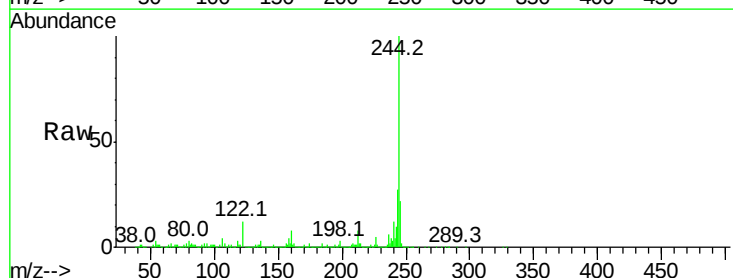
Tgt Ion:244 Resp: 1455388

Ion Ratio Lower Upper

244 100

212 7.8 10.0 15.0#

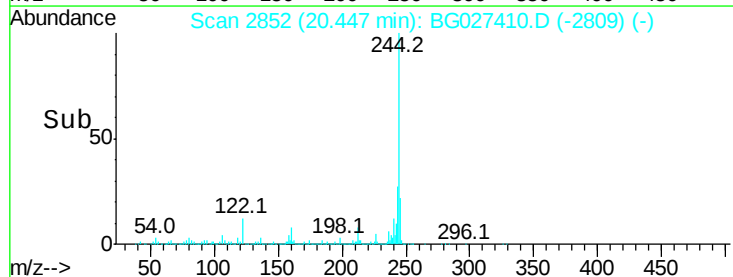
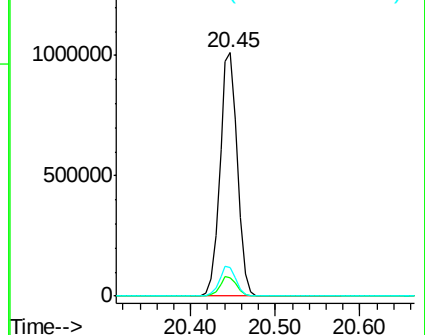
122 11.8 8.6 12.8

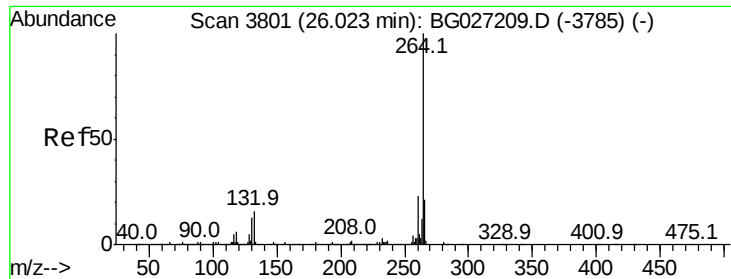


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

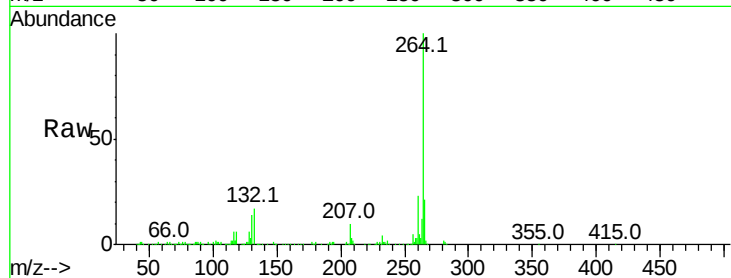




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.91 min Scan# 3782
Delta R.T. -0.11 min
Lab File: BG027410.D
Acq: 14 Jun 2017 7:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	21.8	32.8
265	21.2	18.2	27.4



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

