

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061017\
 Data File : BG027372.D
 Acq On : 10 Jun 2017 15:08
 Operator : SJ/MA
 Sample : I3561-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 12 01:07:03 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

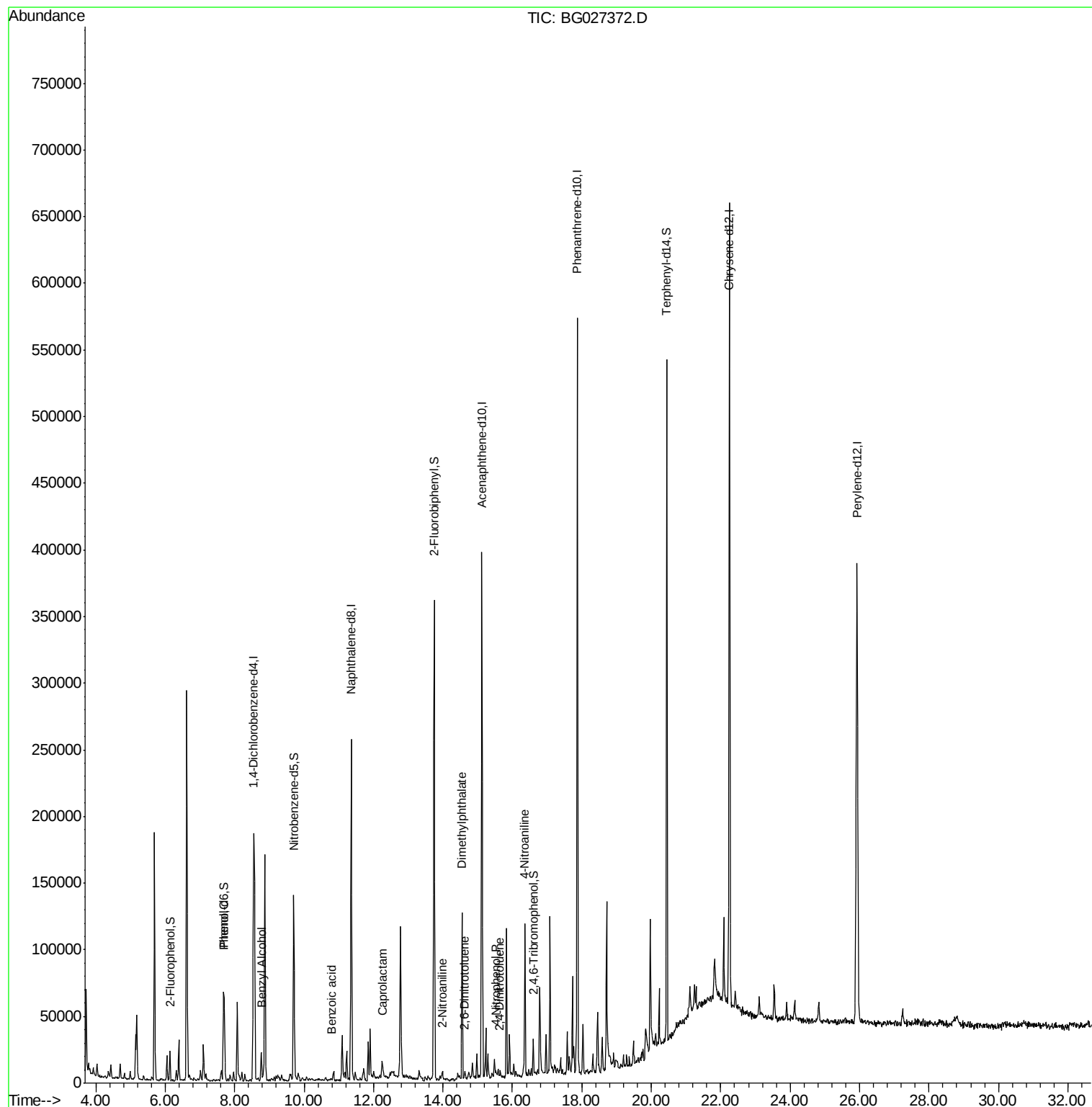
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	52878	20.00	ng	-0.03
21) Naphthalene-d8	11.36	136	229153	20.00	ng	-0.04
38) Acenaphthene-d10	15.12	164	134697	20.00	ng	-0.04
63) Phenanthrene-d10	17.87	188	344284	20.00	ng	-0.04
75) Chrysene-d12	22.25	240	410792	20.00	ng	-0.06
86) Perylene-d12	25.93	264	397055	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	9829	2.84	ng	-0.02
7) Phenol-d6	7.68	99	33564	6.60	ng	-0.03
23) Nitrobenzene-d5	9.70	82	92499	25.39	ng	-0.04
41) 2,4,6-Tribromophenol	16.60	330	4993	2.81	ng	-0.04
44) 2-Fluorobiphenyl	13.75	172	192599	20.00	ng	-0.04
78) Terphenyl-d14	20.44	244	222767	13.83	ng	-0.05
Target Compounds						
10) Phenol	7.70	94	28372	5.45	ng	# 77
15) Benzyl Alcohol	8.77	79	7746	2.16	ng	90
32) Benzoic acid	10.80	122	62	8.04	ng	# 24
35) Caprolactam	12.25	113	2865	2.48	ng	89
47) 2-Nitroaniline	14.00	65	57	6.85	ng	# 16
49) Dimethylphthalate	14.55	163	80508	7.53	ng	98
50) 2,6-Dinitrotoluene	14.62	165	416	5.78	ng	# 11
55) 4-Nitrophenol	15.52	139	128	6.18	ng	# 1
56) 2,4-Dinitrotoluene	15.63	165	59	7.00	ng	# 16
61) 4-Nitroaniline	16.36	138	55	5.92	ng	# 1

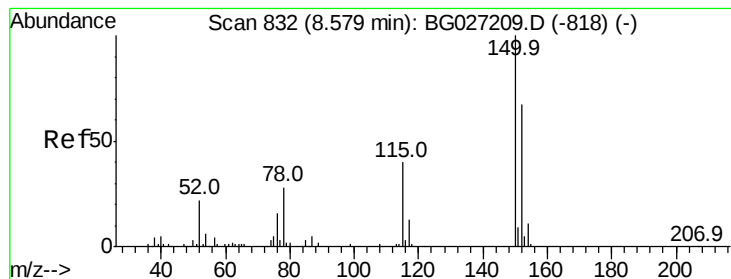
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.55 min Scan# 827

Delta R.T. -0.03 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

Instrument :

BNA_G

ClientSampleId :

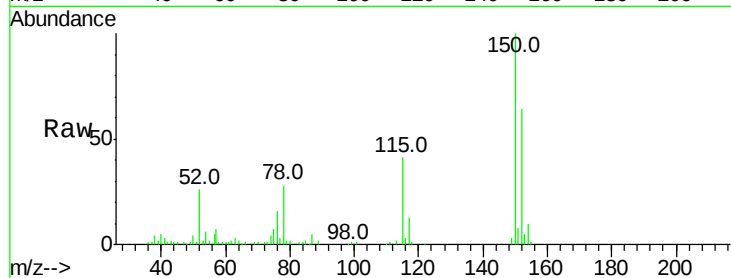
Tot Ion:152 Resp: 52878

Ion Ratio Lower Upper

152 100

150 155.6 114.0 171.0

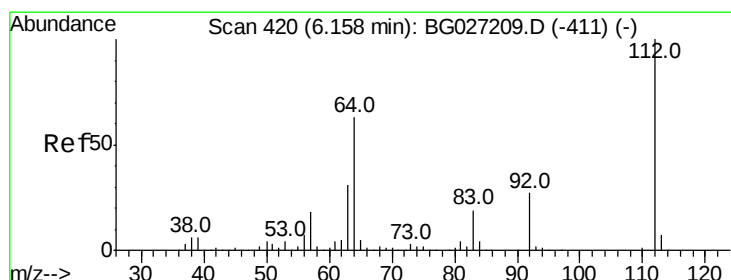
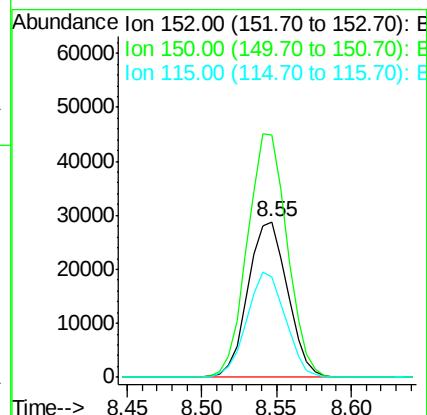
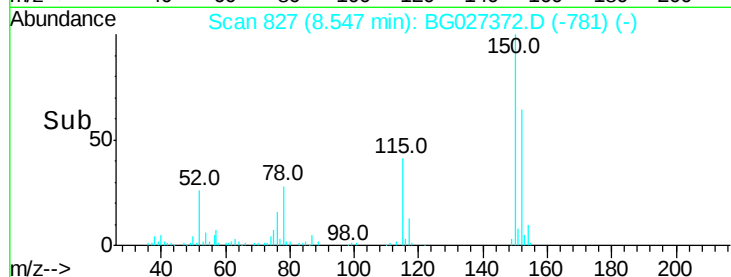
115 64.4 48.1 72.1



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: 2.84 ng

RT: 6.14 min Scan# 417

Delta R.T. -0.02 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

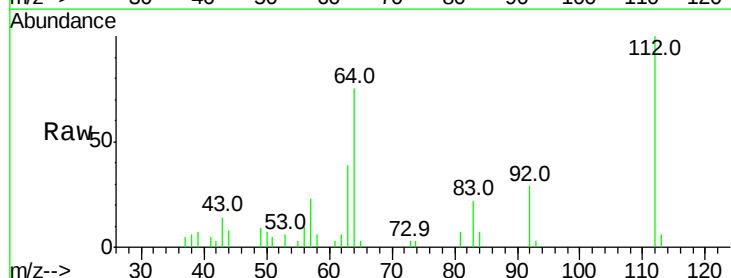
Tgt Ion:112 Resp: 9829

Ion Ratio Lower Upper

112 100

64 75.1 61.8 92.6

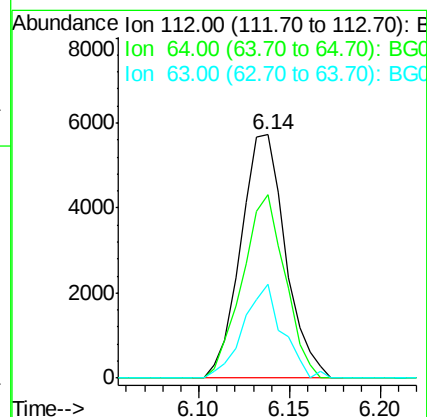
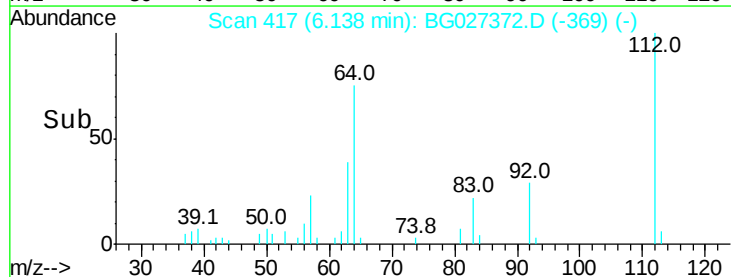
63 38.8 37.2 55.8



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: 6.60 ng

RT: 7.68 min Scan# 679

Delta R.T. -0.03 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

Instrument :

BNA_G

ClientSampleId :

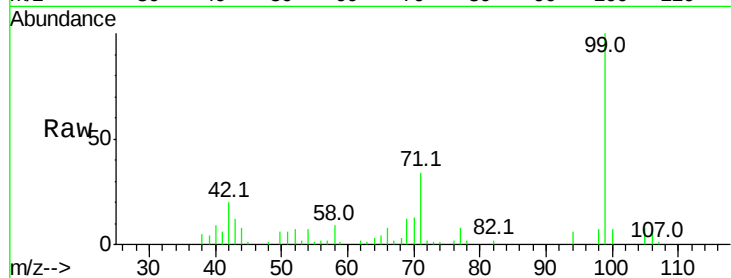
Tot Ion: 99 Resp: 33564

Ion Ratio Lower Upper

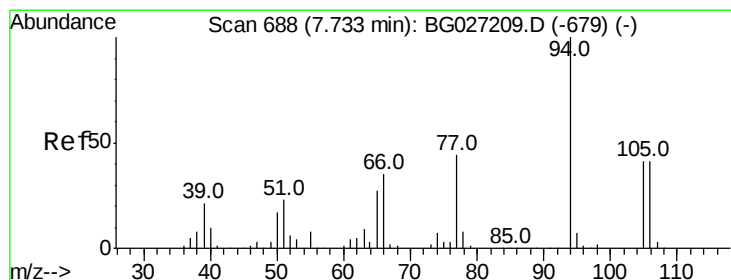
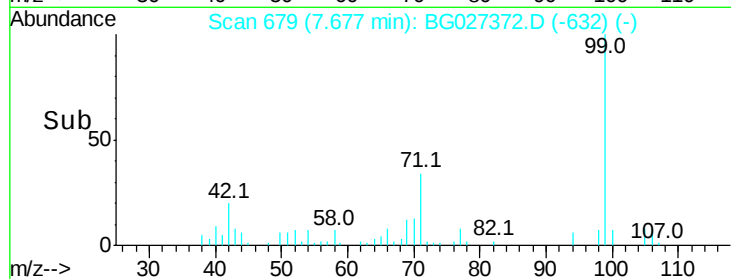
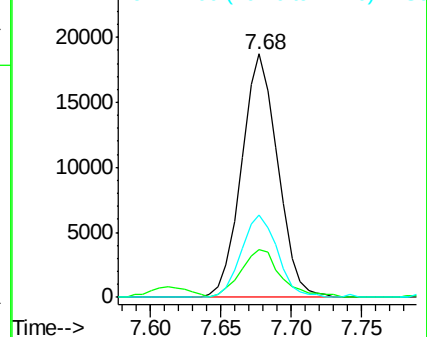
99 100

42 19.6 20.5 30.7#

71 33.7 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



#10

Phenol

Concen: 5.45 ng

RT: 7.70 min Scan# 683

Delta R.T. -0.03 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

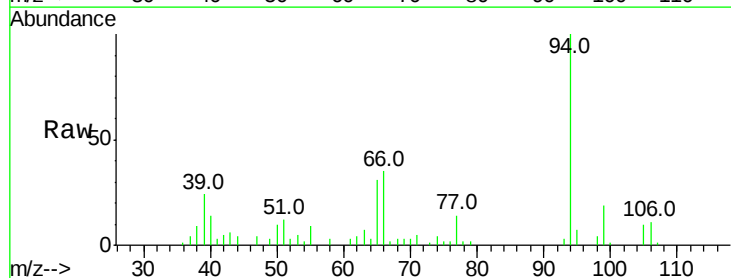
Tgt Ion: 94 Resp: 28372

Ion Ratio Lower Upper

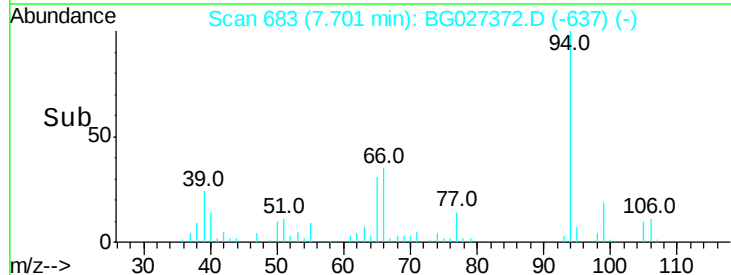
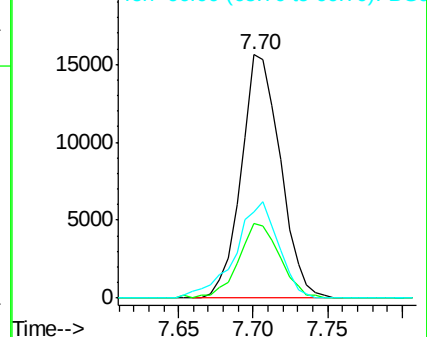
94 100

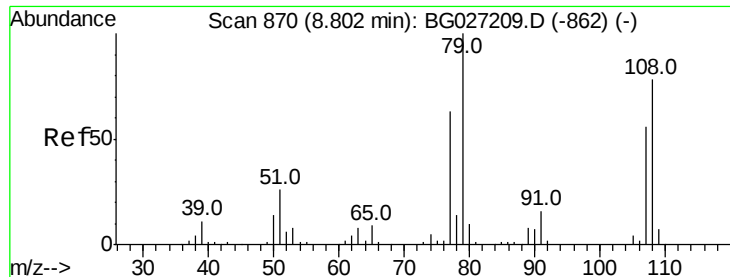
65 30.8 20.6 60.6

66 35.3 35.5 75.5#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 8.77 min Scan# 865

Delta R.T. -0.03 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

Instrument :

BNA_G

ClientSampleId :

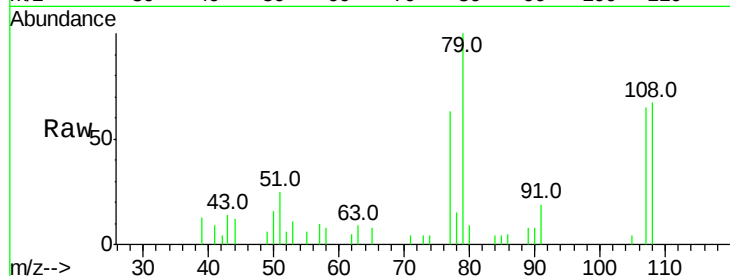
Tot Ion: 79 Resp: 7746

Ion Ratio Lower Upper

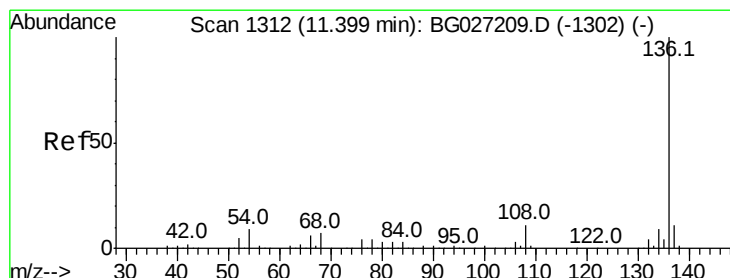
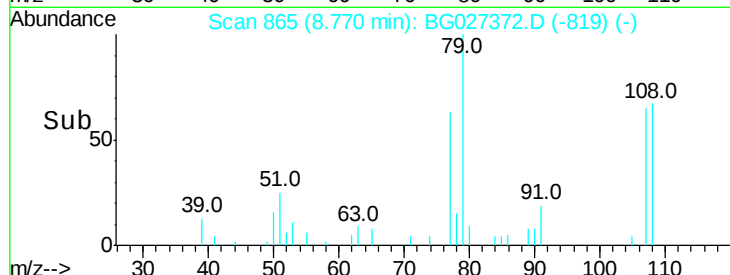
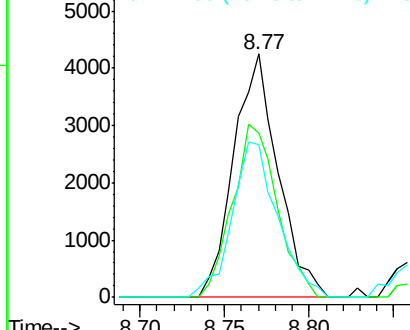
79 100

108 67.3 45.5 68.3

77 62.8 54.3 81.5



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.36 min Scan# 1306

Delta R.T. -0.04 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

Tgt Ion: 136 Resp: 229153

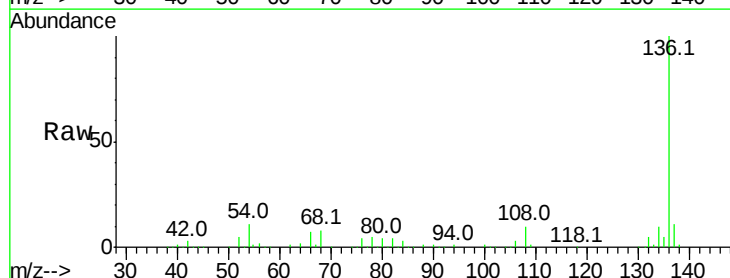
Ion Ratio Lower Upper

136 100

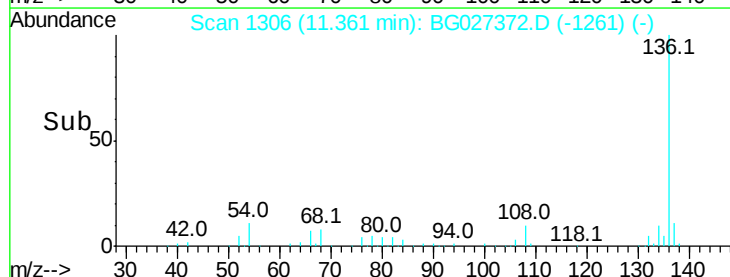
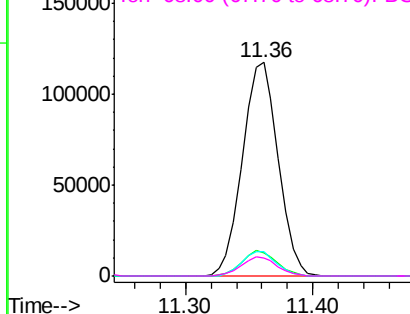
137 10.7 8.9 13.3

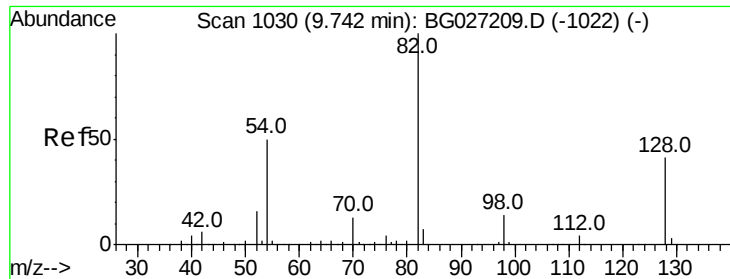
54 11.4 9.3 13.9

68 8.2 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

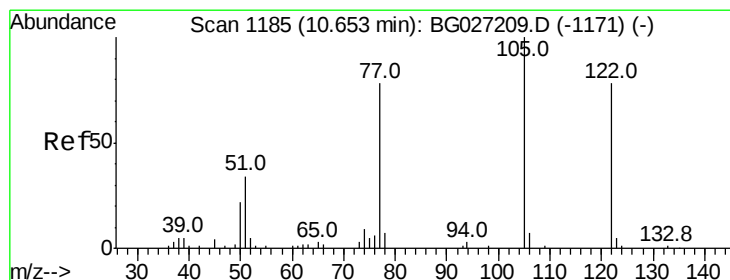
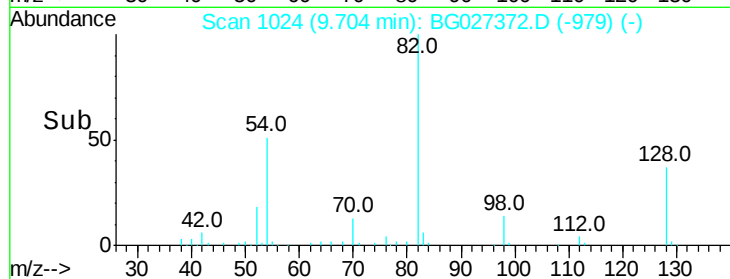
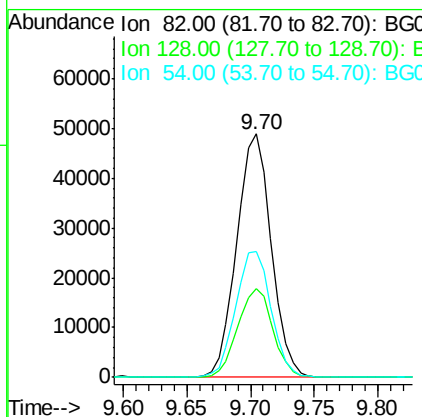
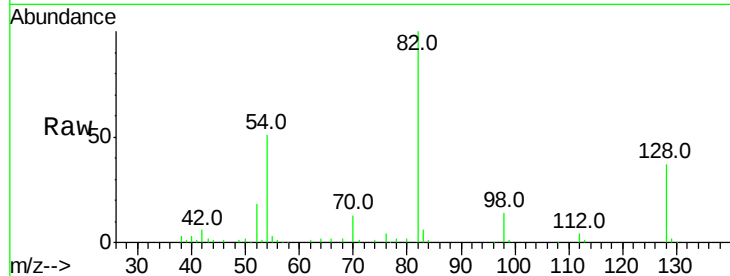




#23
 Nitrobenzene-d5
 Concen: 25.39 ng
 RT: 9.70 min Scan# 1024
 Delta R.T. -0.04 min
 Lab File: BG027372.D
 Acq: 10 Jun 2017 15:08

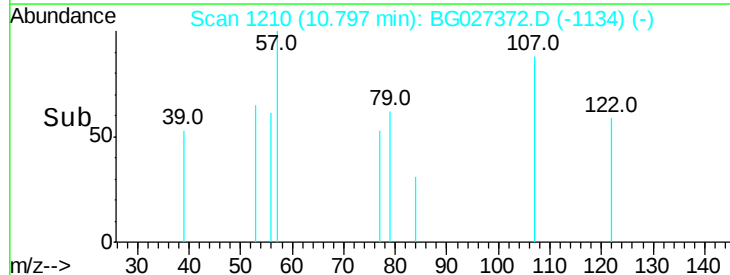
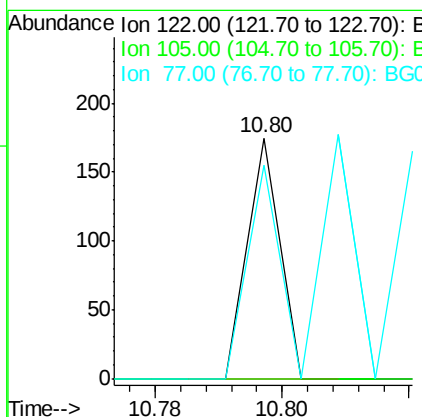
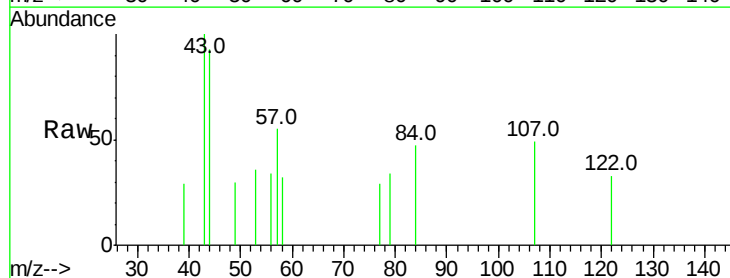
Instrument :
 BNA_G
 ClientSampled :

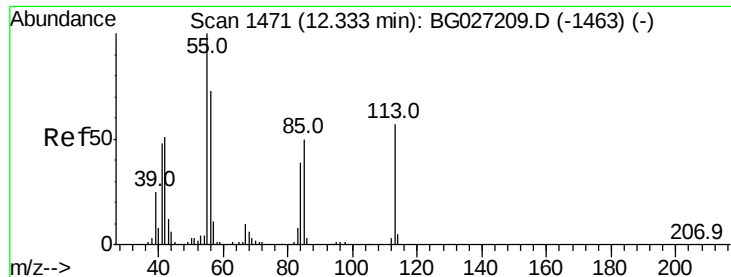
Tot Ion	82	Resp	92499
Ion Ratio	100	Lower	Upper
128	36.6	26.4	39.6
54	51.5	49.4	74.2



#32
 Benzoic acid
 Concen: 8.04 ng
 RT: 10.80 min Scan# 1210
 Delta R.T. 0.15 min
 Lab File: BG027372.D
 Acq: 10 Jun 2017 15:08

Tgt Ion	122	Resp	62
Ion Ratio	100	Lower	Upper
105	0.0	120.1	160.1#
77	88.6	104.6	144.6#





#35

Caprolactam

Concen: 2.48 ng

RT: 12.25 min Scan# 1457

Delta R.T. -0.09 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

Instrument :

BNA_G

ClientSampled :

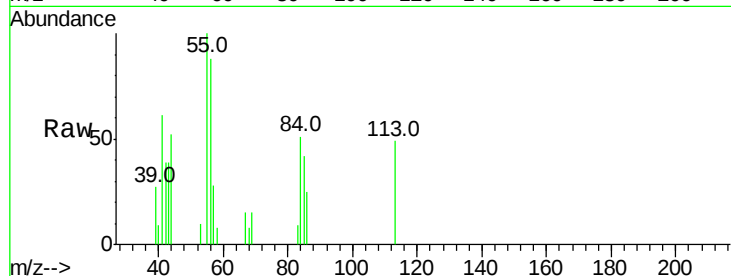
Tot Ion:113 Resp: 2865

Ion Ratio Lower Upper

113 100

55 202.1 198.6 238.6

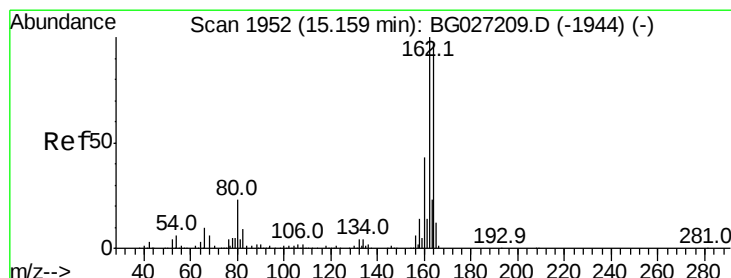
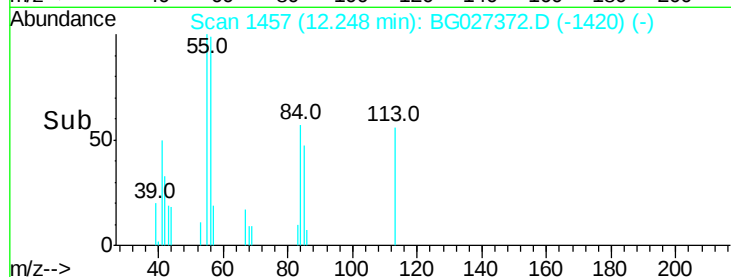
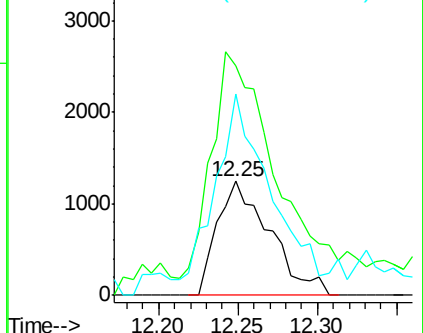
56 177.3 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.12 min Scan# 1946

Delta R.T. -0.04 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

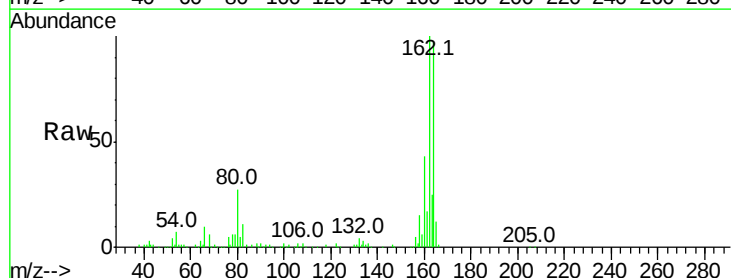
Tgt Ion:164 Resp: 134697

Ion Ratio Lower Upper

164 100

162 103.0 85.1 127.7

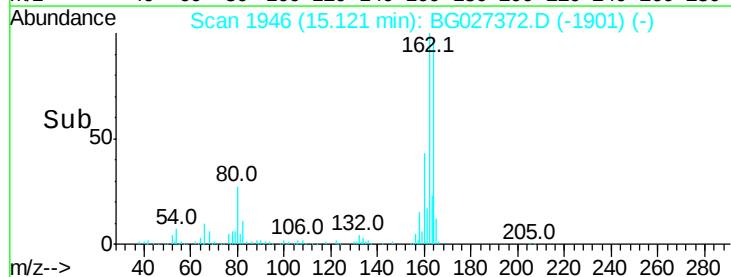
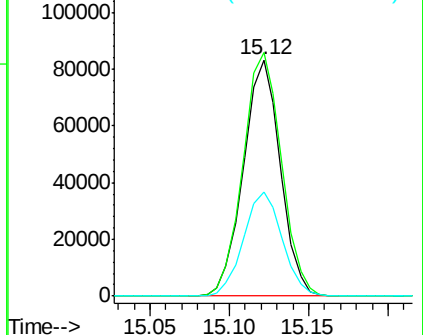
160 43.9 34.7 52.1

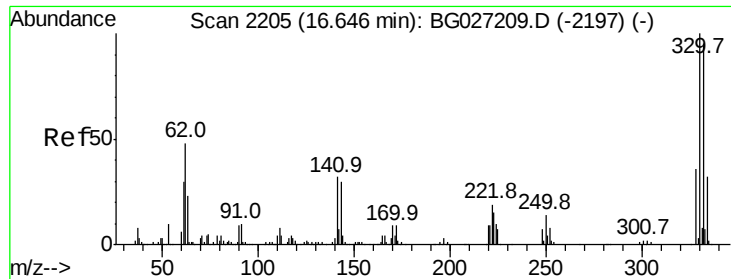


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

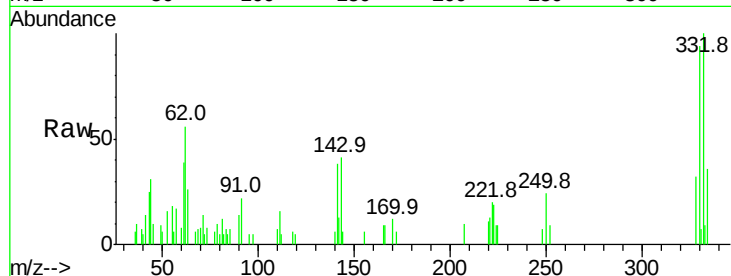




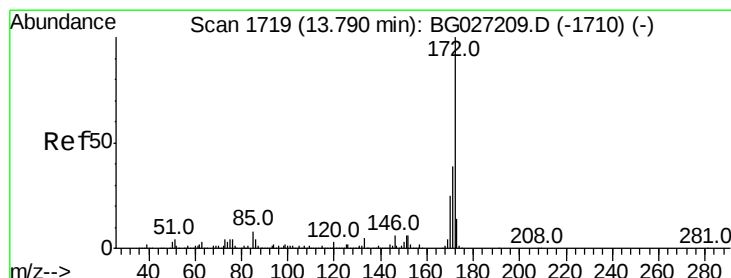
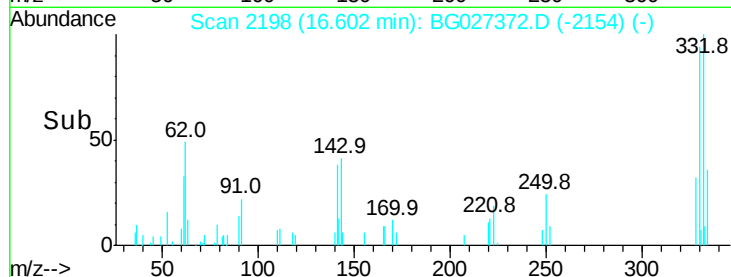
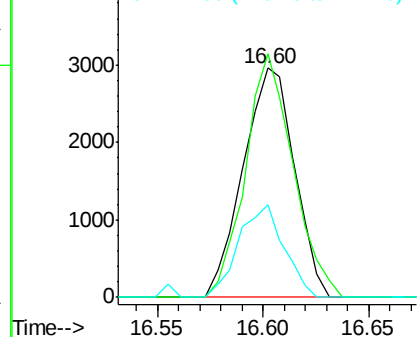
#41
 2,4,6-Tribromophenol
 Concen: 2.81 ng
 RT: 16.60 min Scan# 2198
 Delta R.T. -0.04 min
 Lab File: BG027372.D
 Acq: 10 Jun 2017 15:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.3	115.9
141	35.6	32.1	48.1

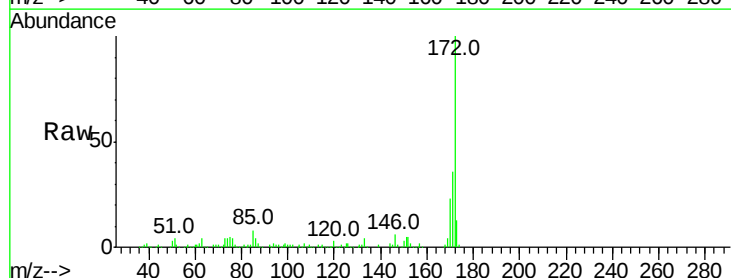


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

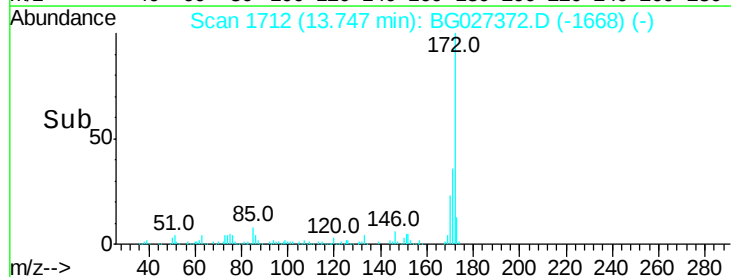
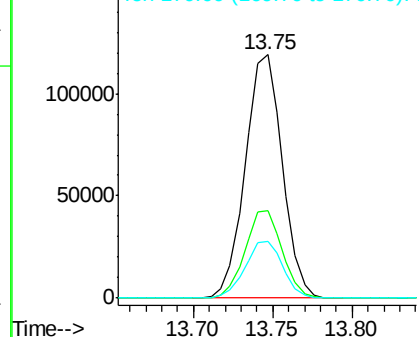


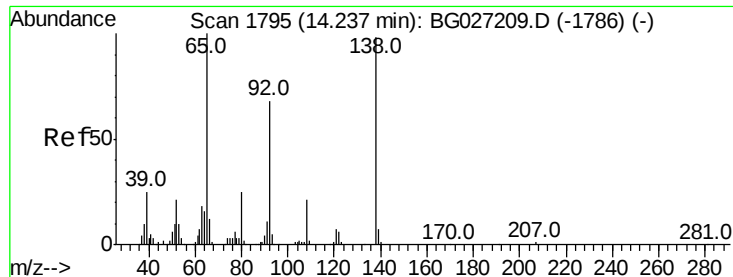
#44
 2-Fluorobiphenyl
 Concen: 20.00 ng
 RT: 13.75 min Scan# 1712
 Delta R.T. -0.04 min
 Lab File: BG027372.D
 Acq: 10 Jun 2017 15:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	32.2	48.2
170	23.3	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: 14.00 min Scan# 1755

Delta R.T. -0.24 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

Instrument :

BNA_G

ClientSampleId :

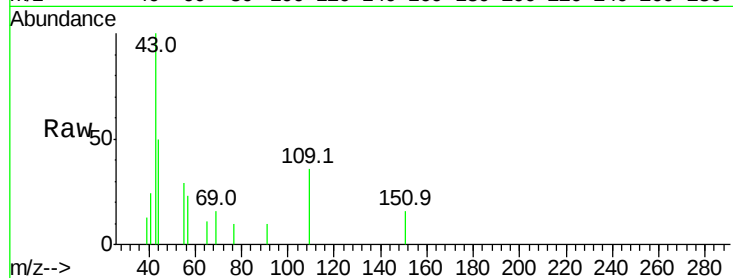
Tot Ion: 65 Resp: 57

Ion Ratio Lower Upper

65 100

92 0.0 49.0 73.4#

138 0.0 58.6 87.8#



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

14.00

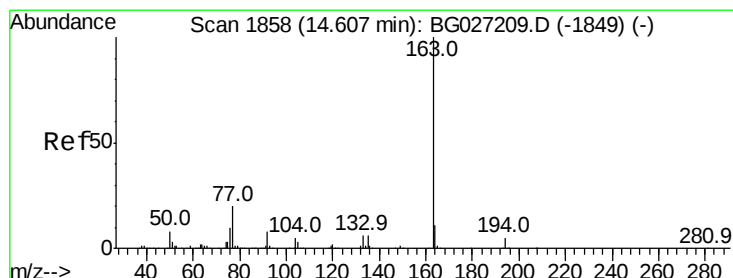
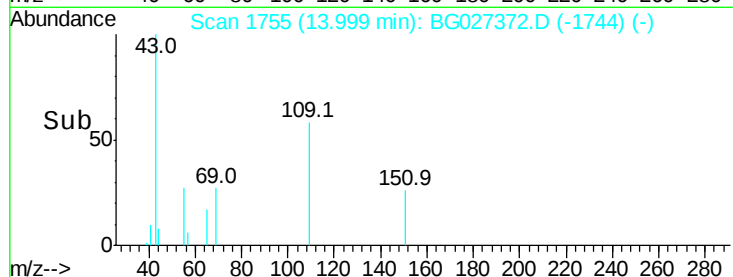
150

100

50

0

Time--> 13.99 14.00 14.01



#49

Dimethylphthalate

Concen: 7.53 ng

RT: 14.55 min Scan# 1849

Delta R.T. -0.06 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

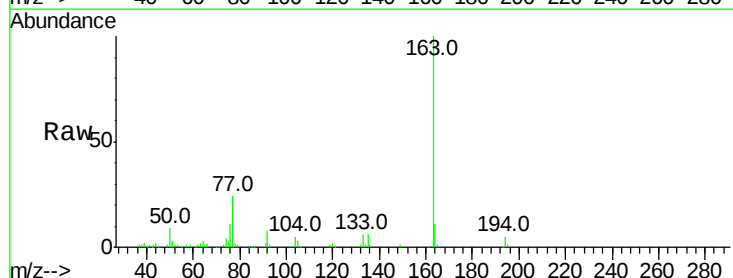
Tgt Ion: 163 Resp: 80508

Ion Ratio Lower Upper

163 100

194 5.0 3.8 5.6

164 10.8 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

14.55

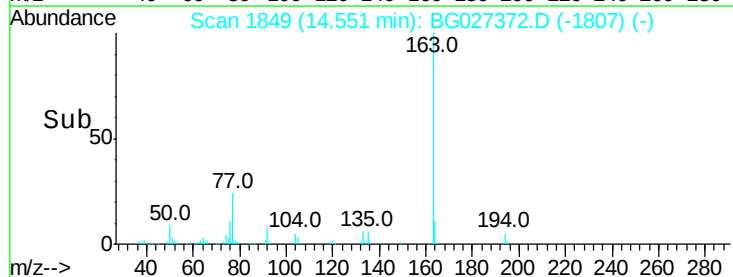
60000

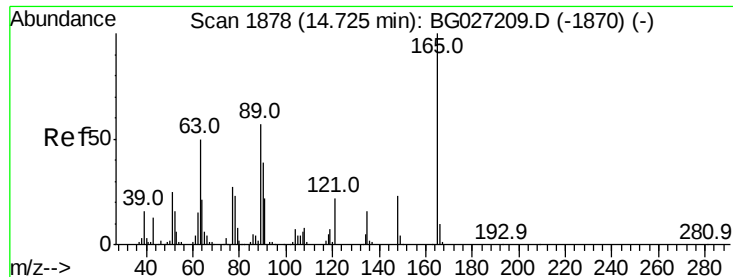
40000

20000

0

Time--> 14.50 14.55 14.60

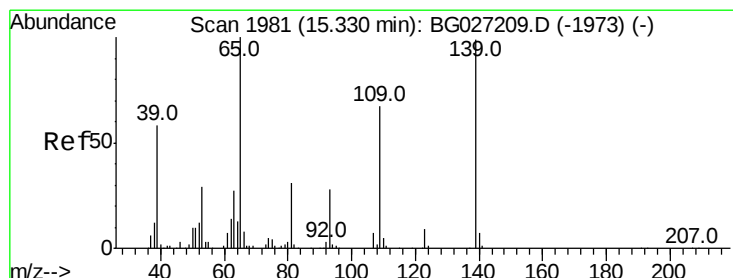
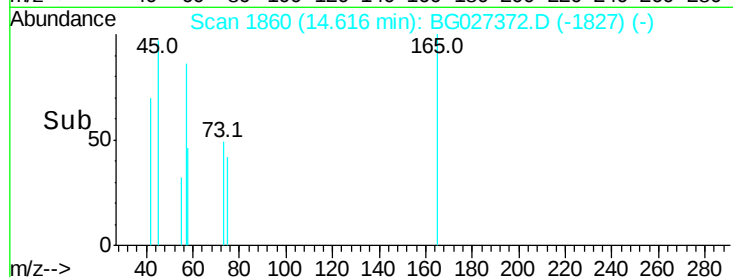
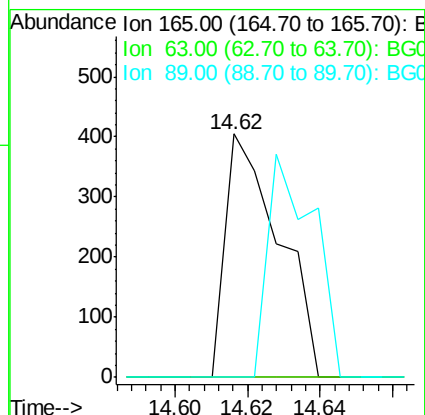
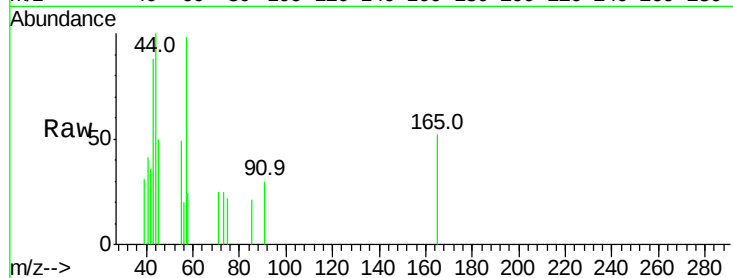




#50
2,6-Dinitrotoluene
Concen: 5.78 ng
RT: 14.62 min Scan# 1860
Delta R.T. -0.11 min
Lab File: BG027372.D
Acq: 10 Jun 2017 15:08

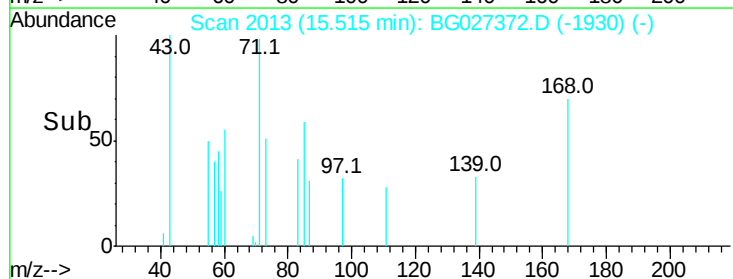
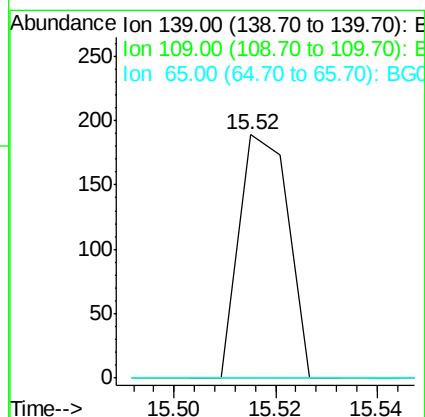
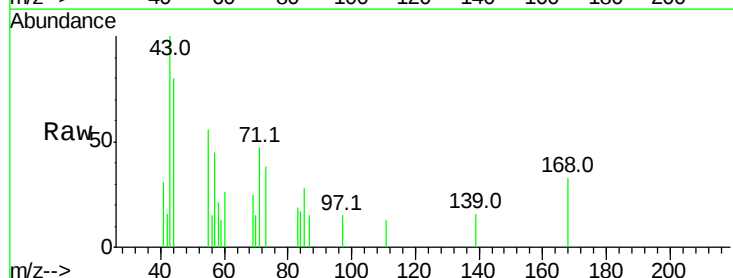
Instrument :
BNA_G
ClientSampled :

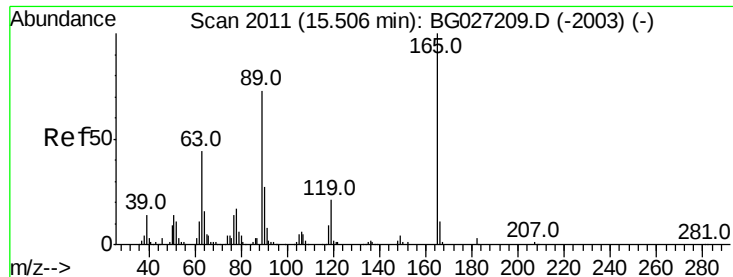
Tot Ion:165 Resp: 416
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 0.0 58.6 88.0#



#55
4-Nitrophenol
Concen: 6.18 ng
RT: 15.52 min Scan# 2013
Delta R.T. 0.19 min
Lab File: BG027372.D
Acq: 10 Jun 2017 15:08

Tgt Ion:139 Resp: 128
Ion Ratio Lower Upper
139 100
109 0.0 101.2 141.2#
65 0.0 135.3 175.3#

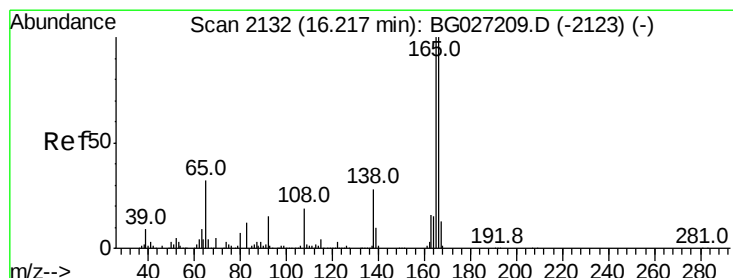
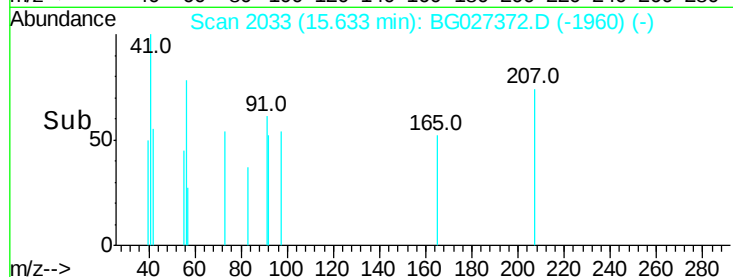
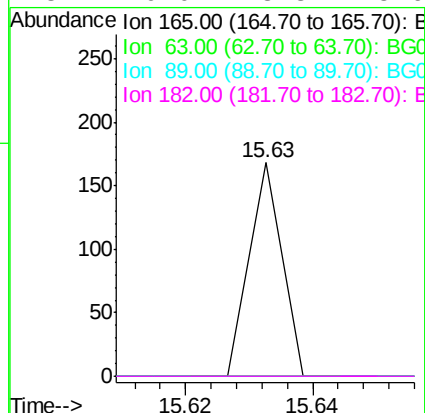
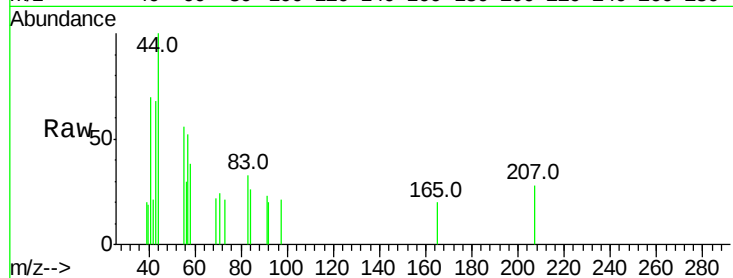




#56
2,4-Dinitrotoluene
Concen: 7.00 ng
RT: 15.63 min Scan# 2033
Delta R.T. 0.13 min
Lab File: BG027372.D
Acq: 10 Jun 2017 15:08

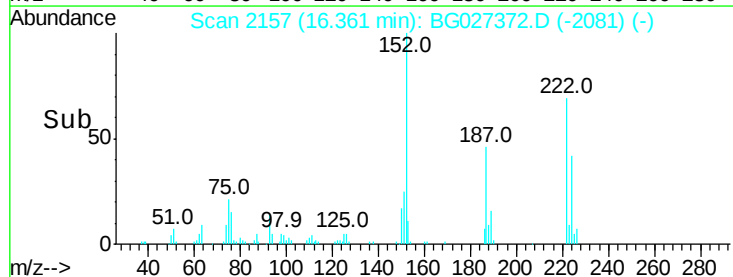
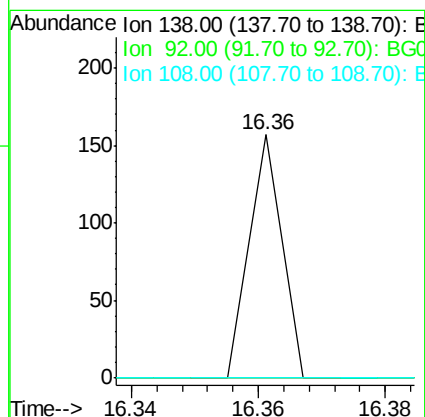
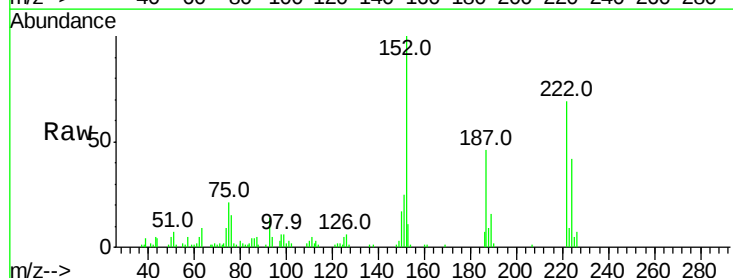
Instrument :
BNA_G
ClientSampled :

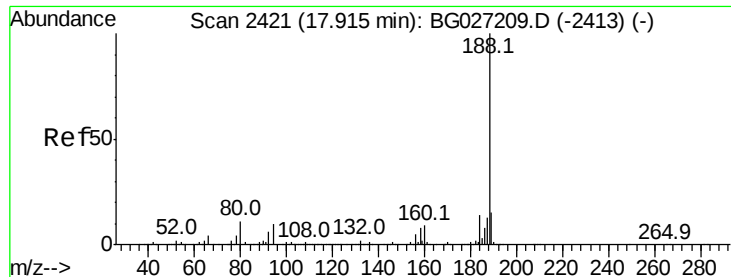
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.0	66.0#
89	0.0	67.3	100.9#
182	0.0	3.8	5.6#



#61
4-Nitroaniline
Concen: 5.92 ng
RT: 16.36 min Scan# 2157
Delta R.T. 0.14 min
Lab File: BG027372.D
Acq: 10 Jun 2017 15:08

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	44.2	84.2#
108	0.0	104.8	144.8#

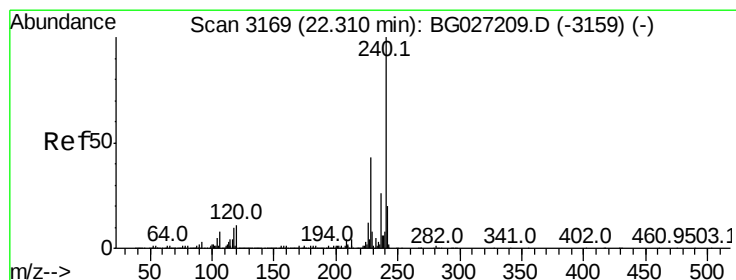
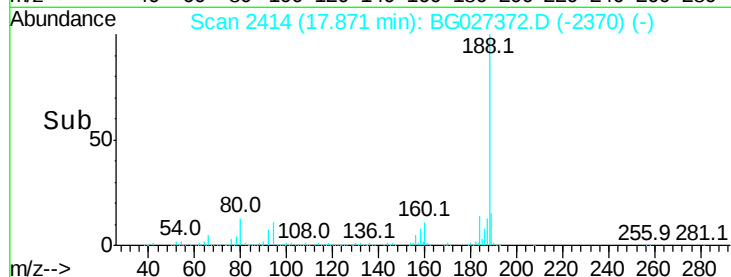
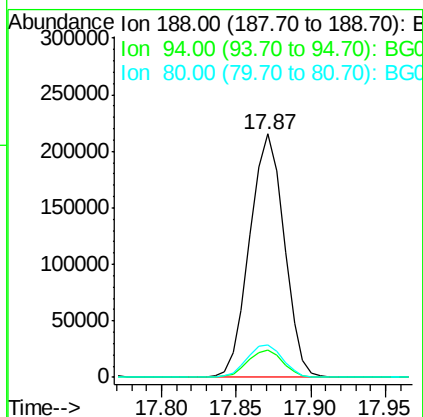
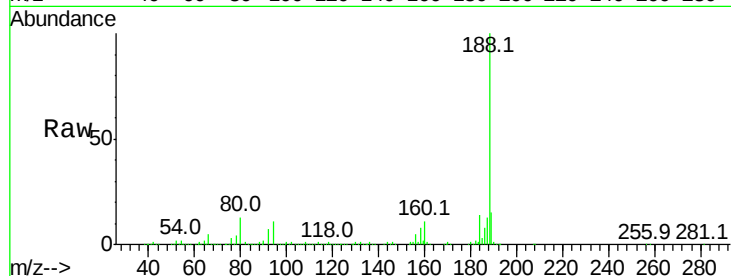




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.87 min Scan# 2414
Delta R.T. -0.04 min
Lab File: BG027372.D
Acq: 10 Jun 2017 15:08

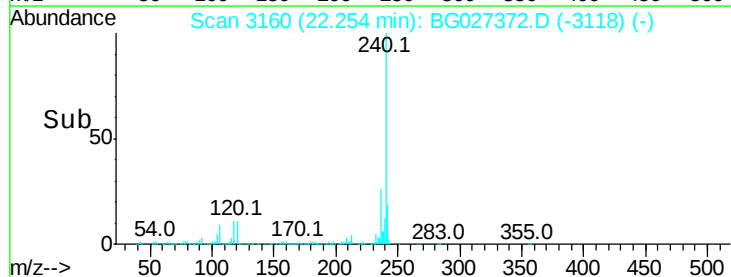
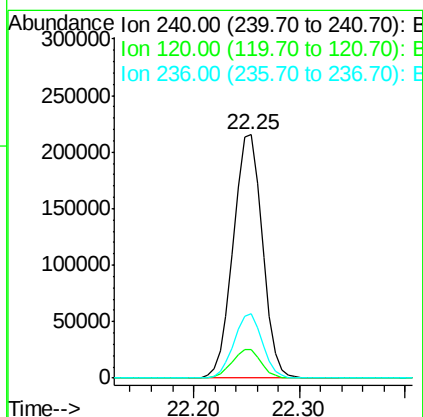
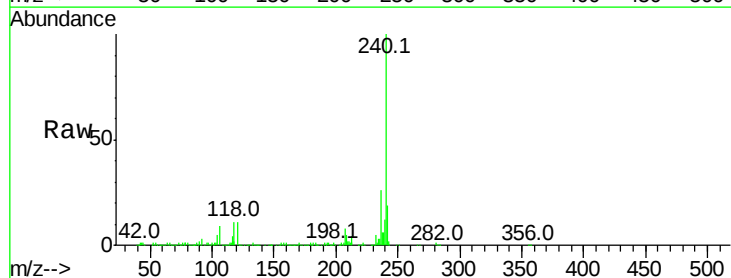
Instrument :
BNA_G
ClientSampleId :

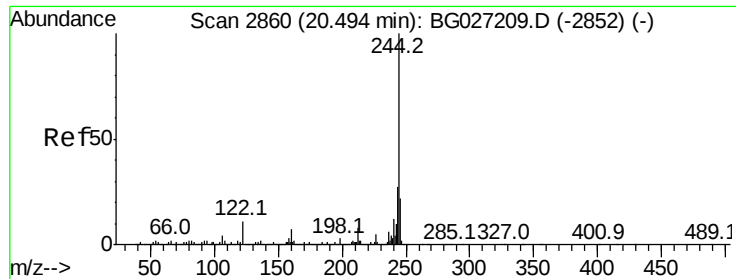
Tot Ion:188 Resp: 344284
Ion Ratio Lower Upper
188 100
94 11.0 5.8 8.8#
80 13.4 7.5 11.3#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.25 min Scan# 3160
Delta R.T. -0.06 min
Lab File: BG027372.D
Acq: 10 Jun 2017 15:08

Tgt Ion:240 Resp: 410792
Ion Ratio Lower Upper
240 100
120 11.5 5.7 8.5#
236 26.4 22.2 33.4





#78

Terphenyl-d14

Concen: 13.83 ng

RT: 20.44 min Scan# 2852

Delta R.T. -0.05 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

Instrument :

BNA_G

ClientSampleId :

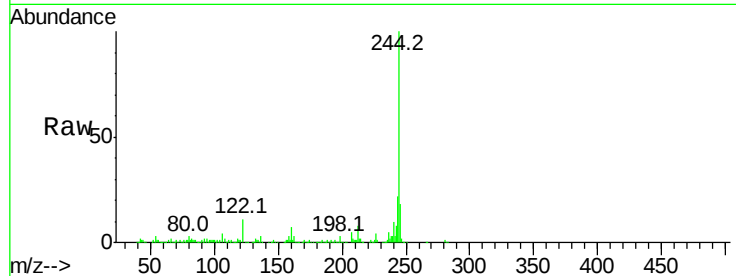
Tot Ion:244 Resp: 222767

Ion Ratio Lower Upper

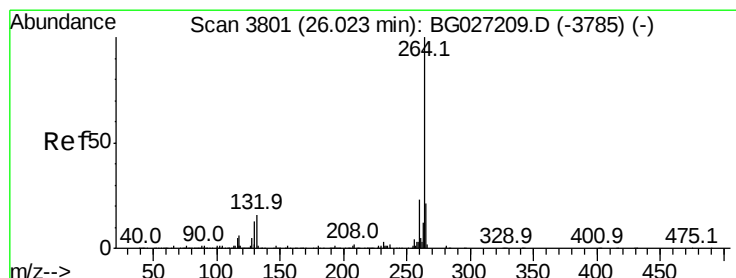
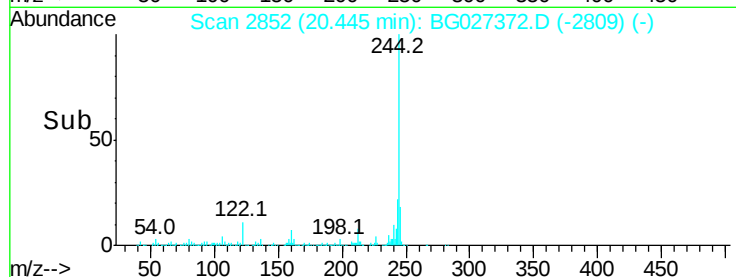
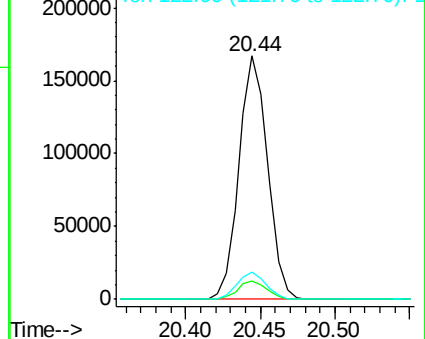
244 100

212 7.6 10.0 15.0#

122 11.4 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

Perylene-d12

Concen: 20.00 ng

RT: 25.93 min Scan# 3785

Delta R.T. -0.10 min

Lab File: BG027372.D

Acq: 10 Jun 2017 15:08

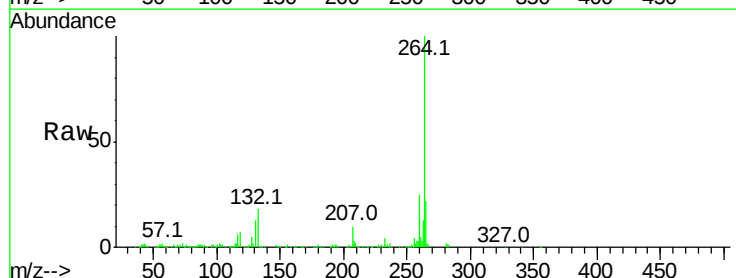
Tgt Ion:264 Resp: 397055

Ion Ratio Lower Upper

264 100

260 24.8 21.8 32.8

265 21.9 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

