

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
 Data File : BG027230.D
 Acq On : 6 Jun 2017 2:27
 Operator : SJ/MA
 Sample : I3407-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 06 04:08:04 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

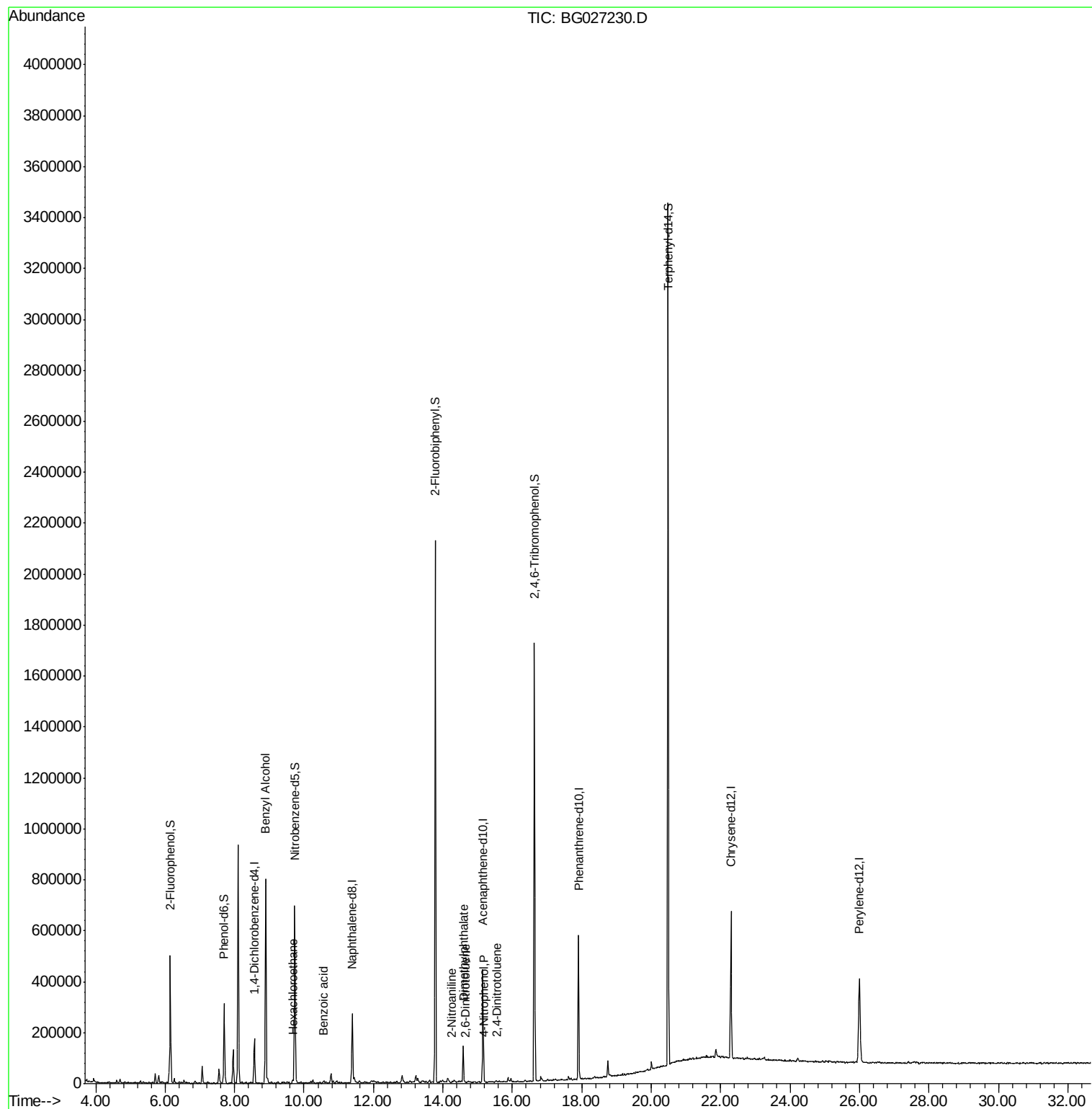
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.57	152	51088	20.00	ng	0.00
21) Naphthalene-d8	11.39	136	247117	20.00	ng	0.00
38) Acenaphthene-d10	15.15	164	162427	20.00	ng	0.00
63) Phenanthrene-d10	17.91	188	373086	20.00	ng	0.00
75) Chrysene-d12	22.30	240	412845	20.00	ng	-0.01
86) Perylene-d12	26.00	264	397862	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	242917	72.56	ng	0.00
7) Phenol-d6	7.70	99	209669	42.66	ng	0.00
23) Nitrobenzene-d5	9.73	82	456373	116.14	ng	0.00
41) 2,4,6-Tribromophenol	16.64	330	362296	169.39	ng	0.00
44) 2-Fluorobiphenyl	13.78	172	1182263	101.83	ng	0.00
78) Terphenyl-d14	20.49	244	1598430	98.77	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.90	79	7777	2.25	ng	# 52
18) Hexachloroethane	9.68	117	4188	3.04	ng	# 28
32) Benzoic acid	10.56	122	62	8.04	ng	# 1
47) 2-Nitroaniline	14.24	65	56	6.85	ng	# 16
49) Dimethylphthalate	14.59	163	99004	7.68	ng	99
50) 2,6-Dinitrotoluene	14.66	165	78	5.64	ng	# 11
55) 4-Nitrophenol	15.20	139	55	6.15	ng	# 23
56) 2,4-Dinitrotoluene	15.54	165	59	7.00	ng	# 16

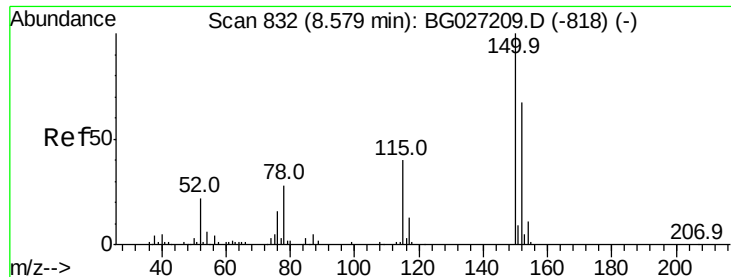
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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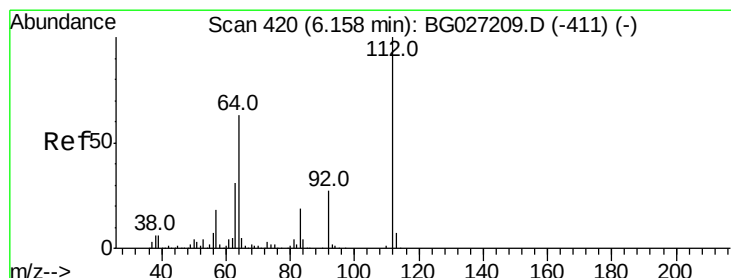
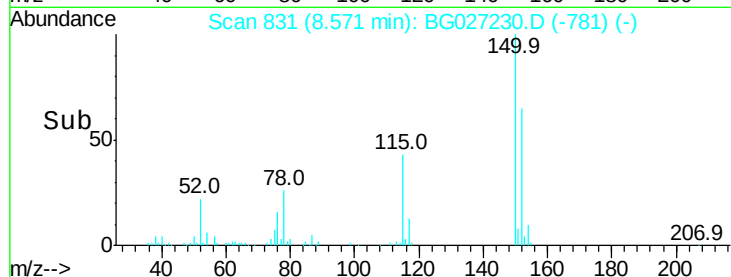
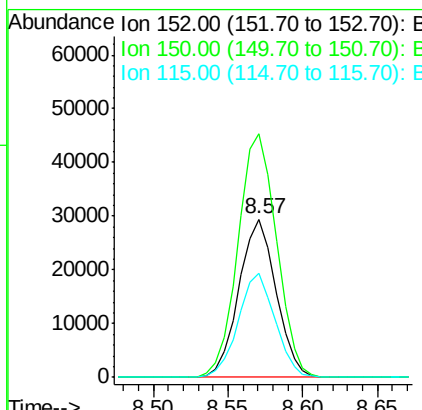
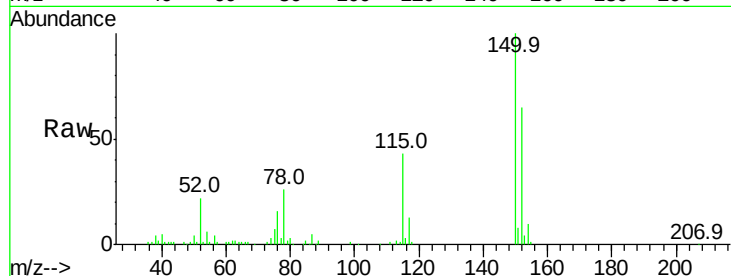


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.57 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG027230.D
Acq: 6 Jun 2017 2:27

Instrument :
BNA_G
ClientSampleId :

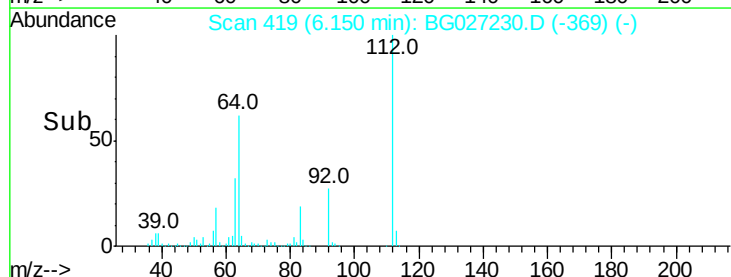
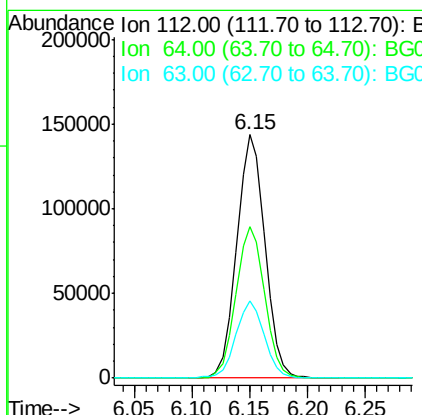
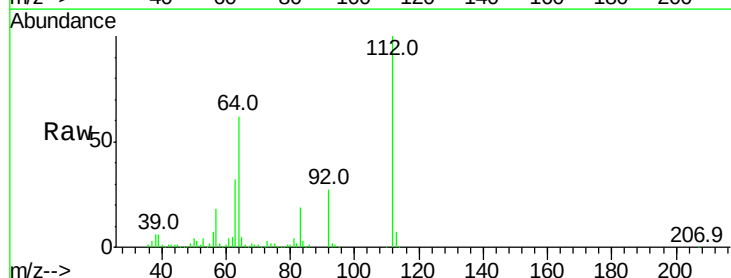
Tot Ion:152 Resp: 51088
Ion Ratio Lower Upper
152 100
150 153.8 114.0 171.0
115 65.7 48.1 72.1

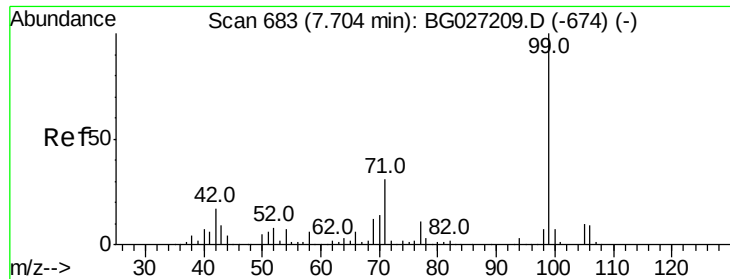


#5

2-Fluorophenol
Concen: 72.56 ng
RT: 6.15 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG027230.D
Acq: 6 Jun 2017 2:27

Tgt Ion:112 Resp: 242917
Ion Ratio Lower Upper
112 100
64 62.2 61.8 92.6
63 31.8 37.2 55.8#





#7

Phenol-d6

Concen: 42.66 ng

RT: 7.70 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

Instrument :

BNA_G

ClientSampled :

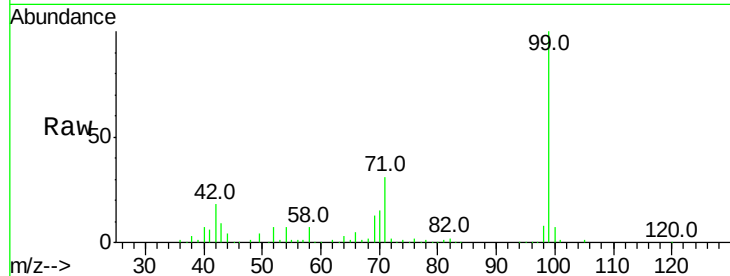
Tot Ion: 99 Resp: 209669

Ion Ratio Lower Upper

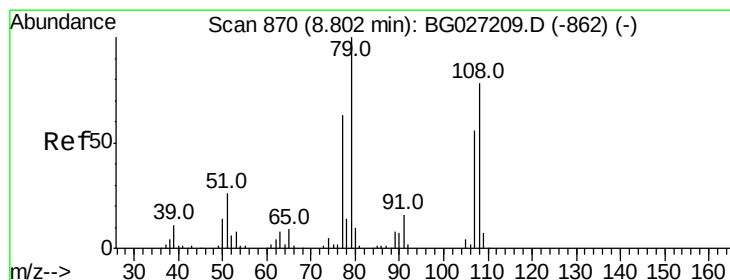
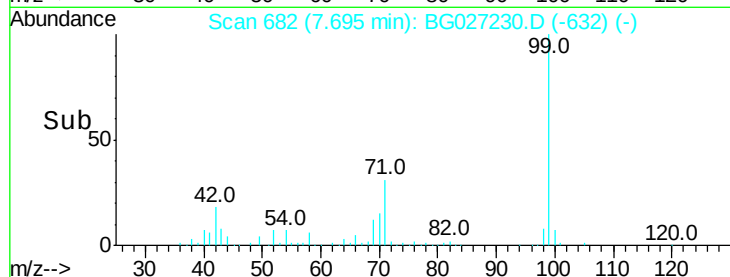
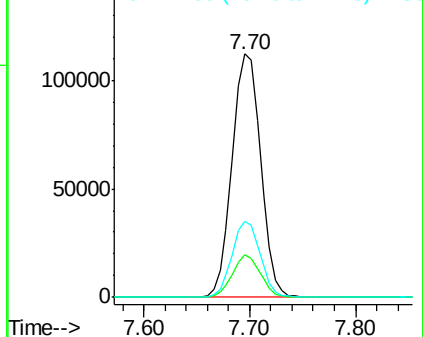
99 100

42 17.7 20.5 30.7#

71 31.1 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



#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 8.90 min Scan# 887

Delta R.T. 0.10 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

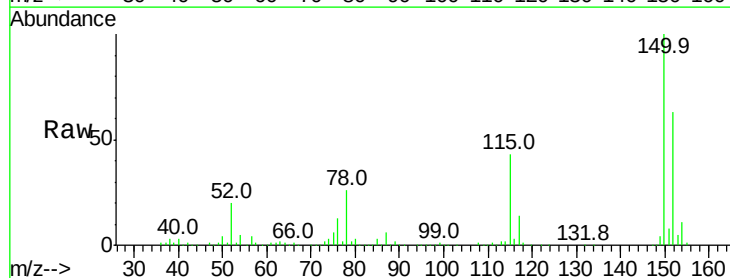
Tgt Ion: 79 Resp: 7777

Ion Ratio Lower Upper

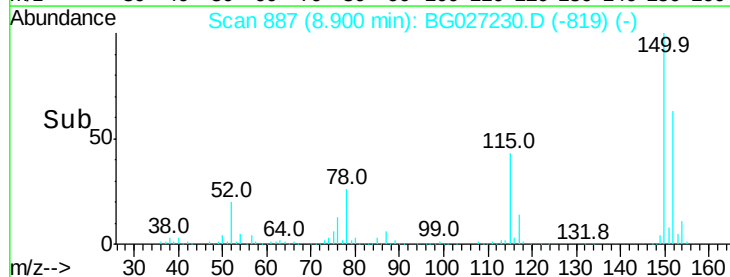
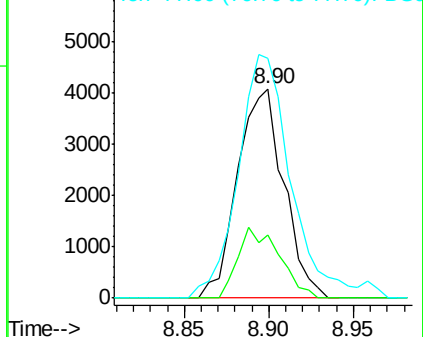
79 100

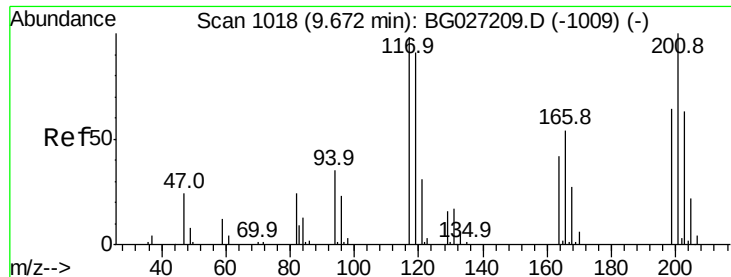
108 30.5 45.5 68.3#

77 114.6 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

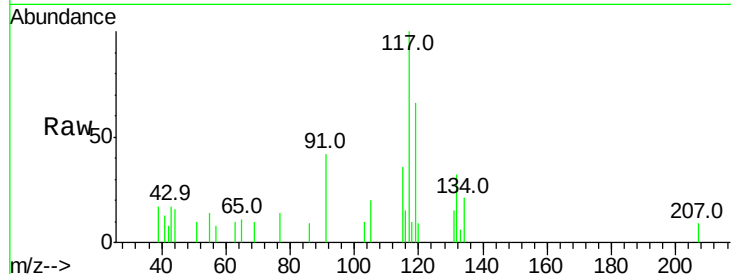




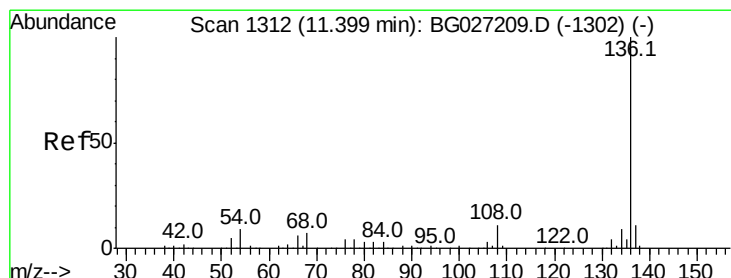
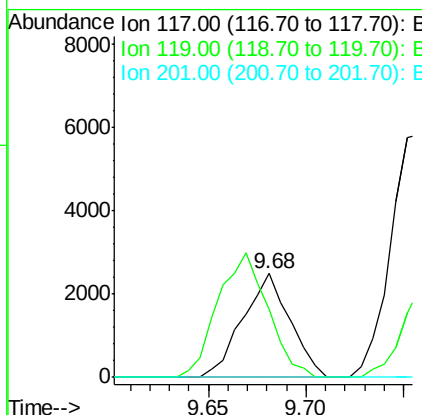
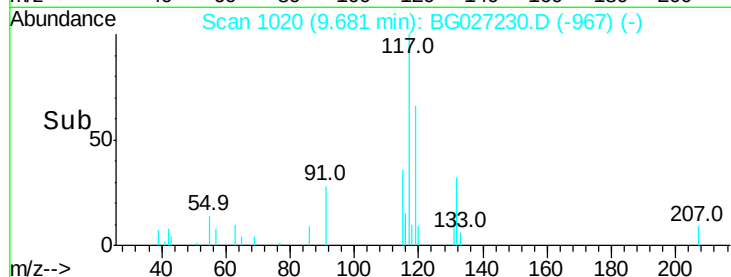
#18
Hexachloroethane
Concen: 3.04 ng
RT: 9.68 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BG027230.D
Acq: 6 Jun 2017 2:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:117 Resp: 4188
Ion Ratio Lower Upper
117 100
119 66.1 69.8 104.6#
201 0.0 95.4 143.0#

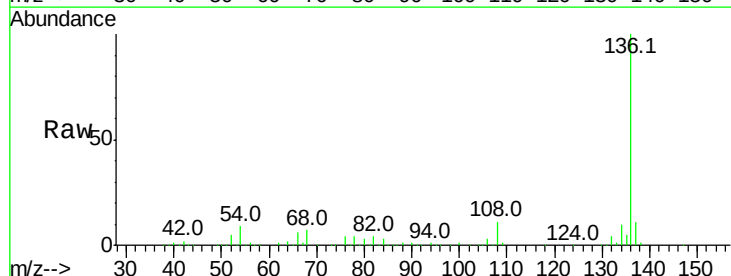


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

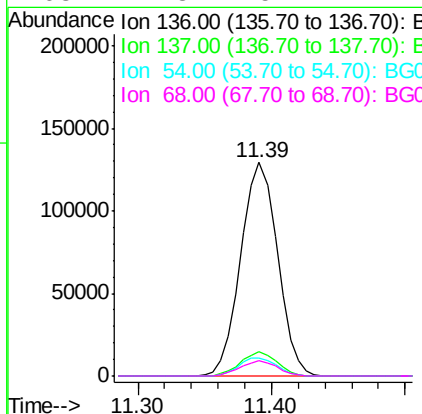
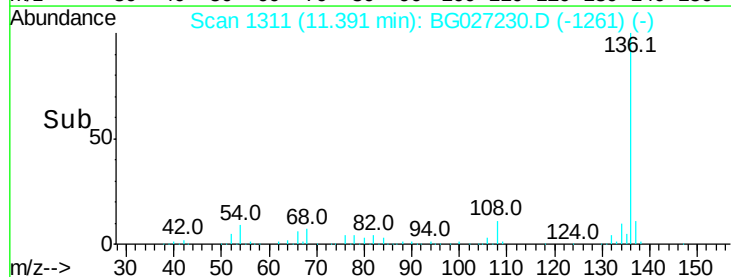


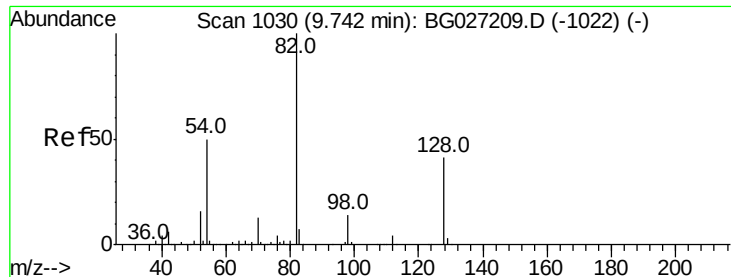
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.39 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BG027230.D
Acq: 6 Jun 2017 2:27

Tgt Ion:136 Resp: 247117
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.7 9.3 13.9#
68 7.3 5.1 7.7



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

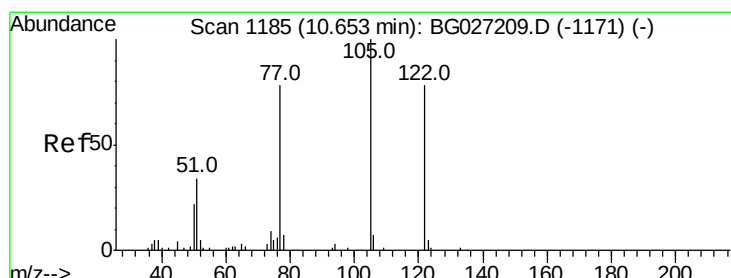
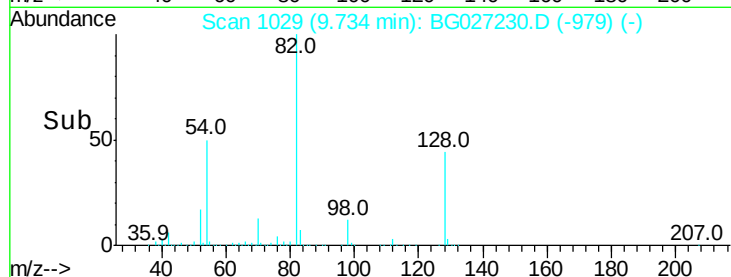
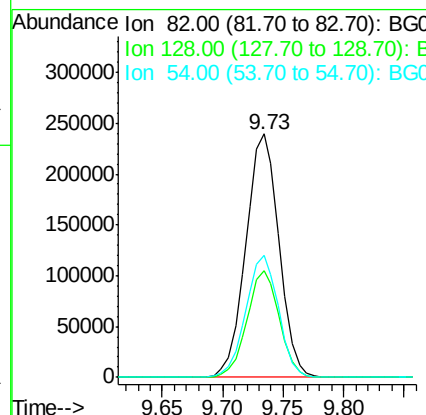
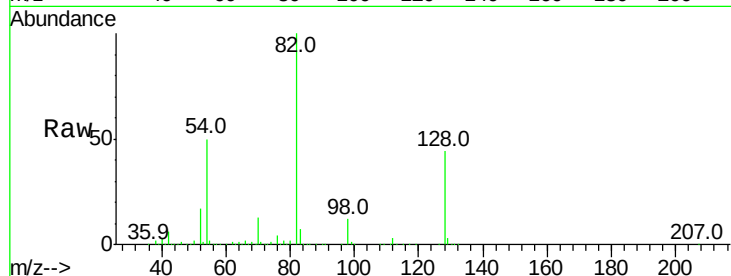




#23
 Nitrobenzene-d5
 Concen: 116.14 ng
 RT: 9.73 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG027230.D
 Acq: 6 Jun 2017 2:27

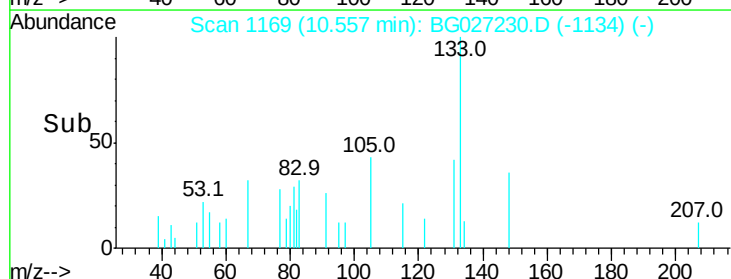
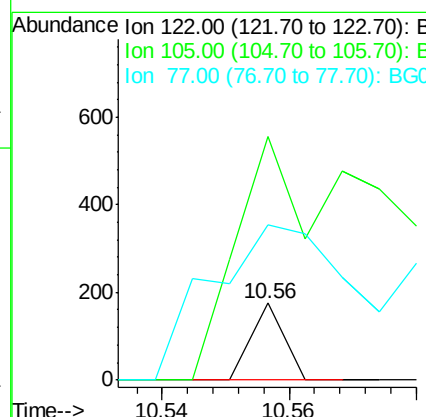
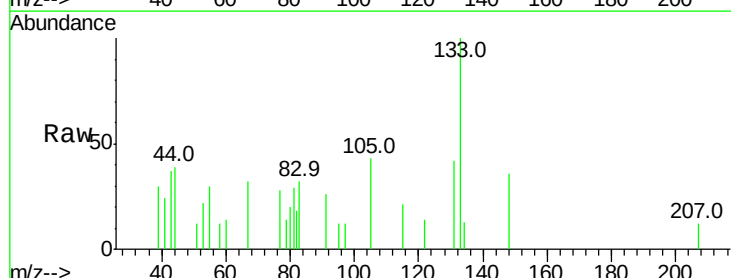
Instrument :
 BNA_G
 ClientSampleId :

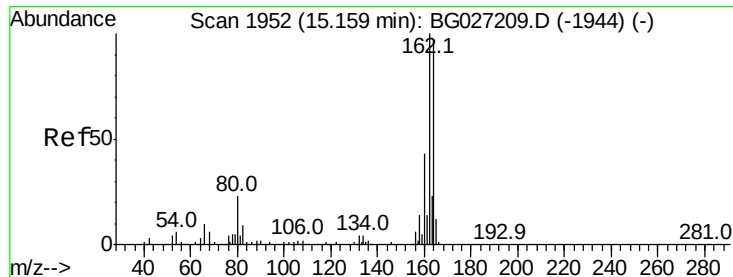
Tot Ion: 82 Resp: 456373
 Ion Ratio Lower Upper
 82 100
 128 43.8 26.4 39.6#
 54 50.1 49.4 74.2



#32
 Benzoic acid
 Concen: 8.04 ng
 RT: 10.56 min Scan# 1169
 Delta R.T. -0.10 min
 Lab File: BG027230.D
 Acq: 6 Jun 2017 2:27

Tgt Ion:122 Resp: 62
 Ion Ratio Lower Upper
 122 100
 105 317.7 120.1 160.1#
 77 202.9 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.15 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

Instrument :

BNA_G

ClientSampleId :

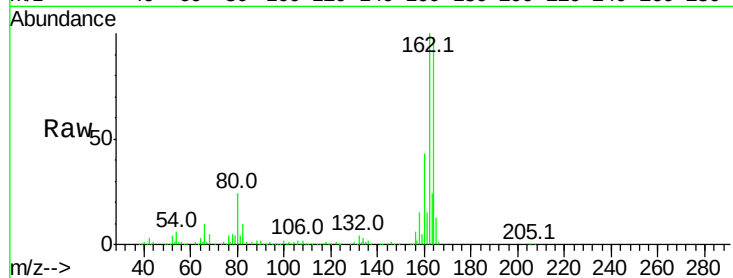
Tot Ion:164 Resp: 162427

Ion Ratio Lower Upper

164 100

162 102.4 85.1 127.7

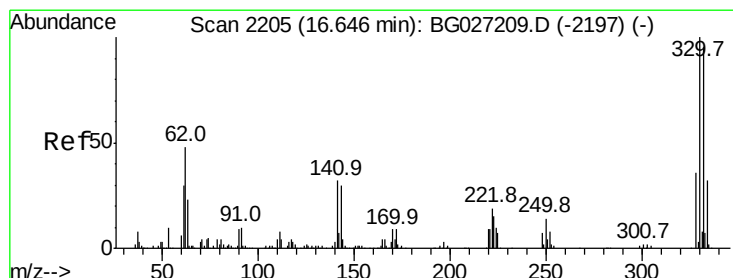
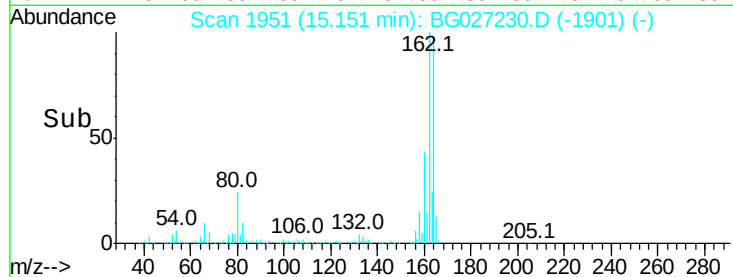
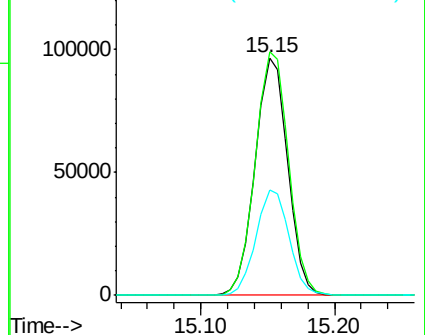
160 44.4 34.7 52.1



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: 169.39 ng

RT: 16.64 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

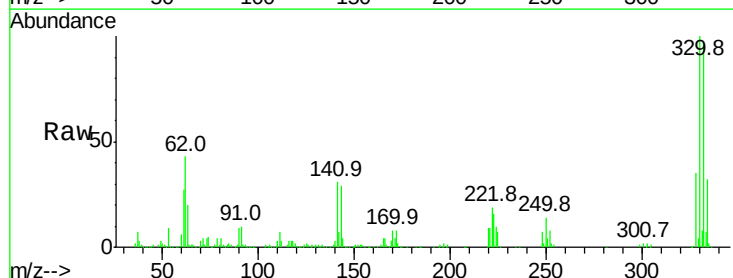
Tgt Ion:330 Resp: 362296

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

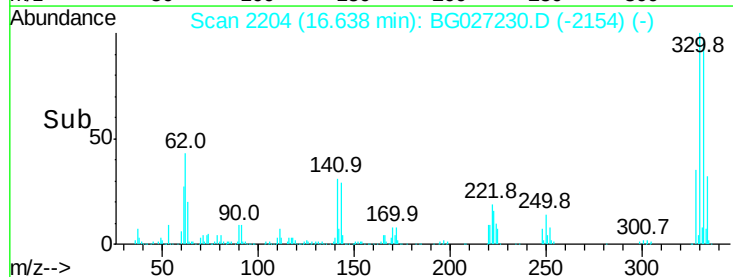
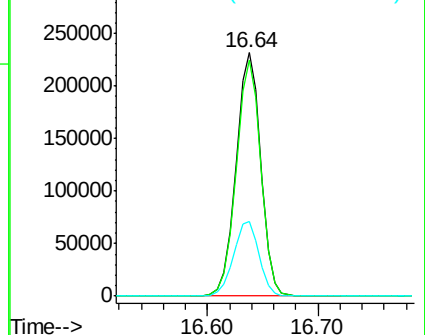
141 31.8 32.1 48.1#

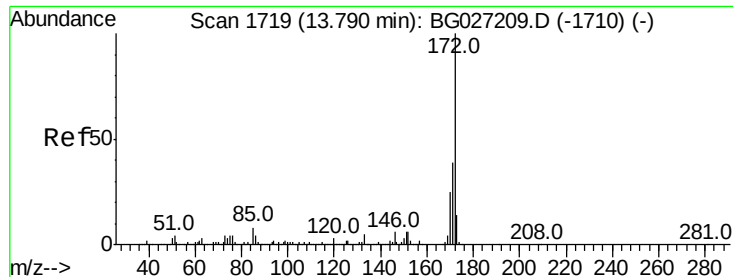


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

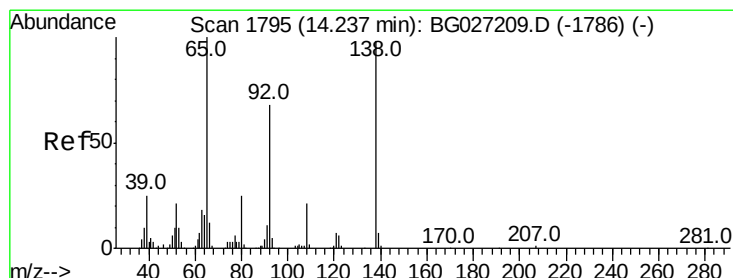
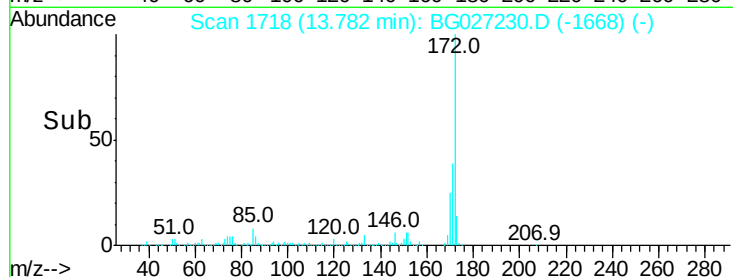
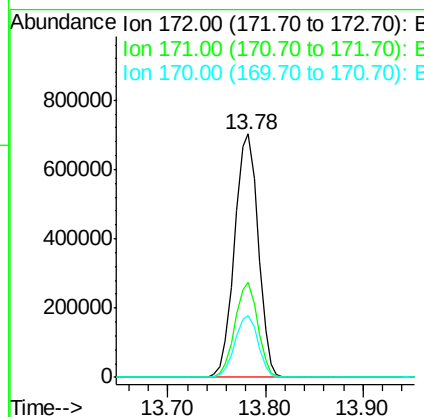
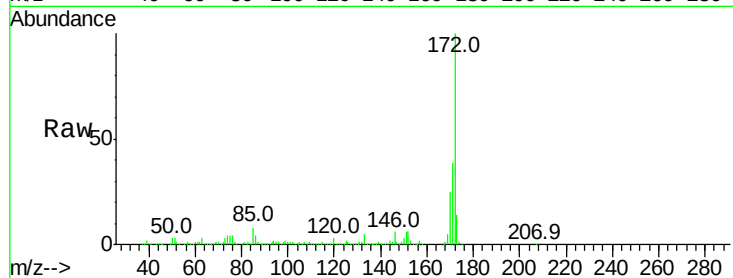




#44
2-Fluorobiphenyl
Concen: 101.83 ng
RT: 13.78 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BG027230.D
Acq: 6 Jun 2017 2:27

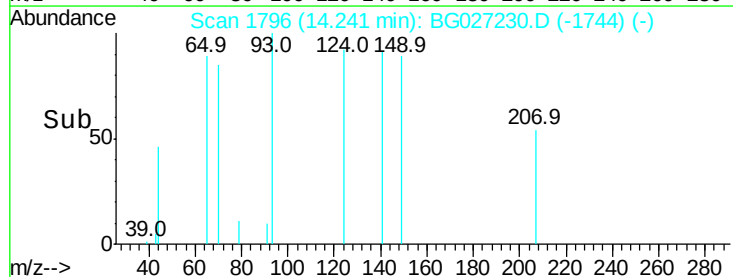
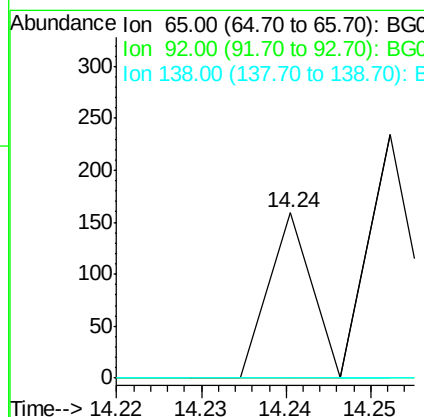
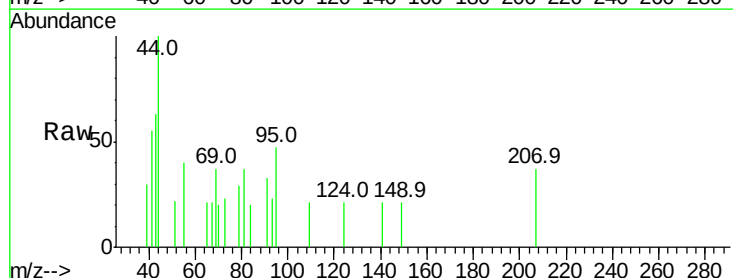
Instrument :
BNA_G
ClientSampleId :

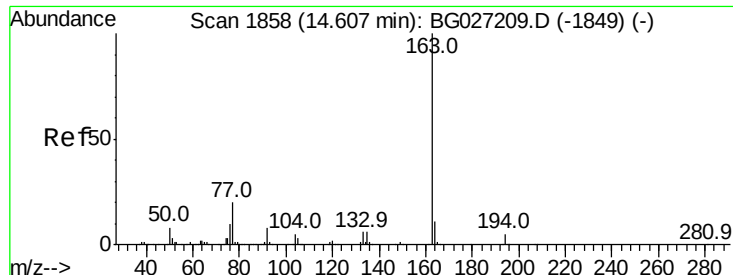
Tot Ion:172 Resp: 1182263
Ion Ratio Lower Upper
172 100
171 38.9 32.2 48.2
170 25.3 21.8 32.6



#47
2-Nitroaniline
Concen: 6.85 ng
RT: 14.24 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BG027230.D
Acq: 6 Jun 2017 2:27

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 49.0 73.4#
138 0.0 58.6 87.8#





#49

Dimethylphthalate

Concen: 7.68 ng

RT: 14.59 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BG027230.D

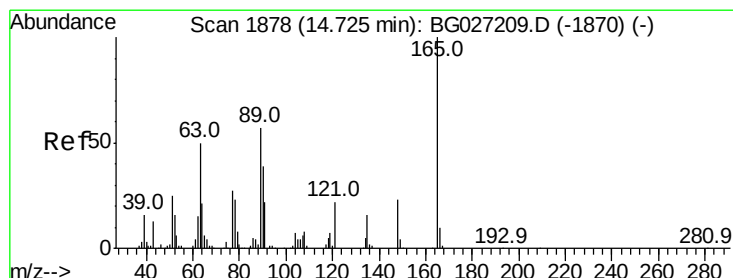
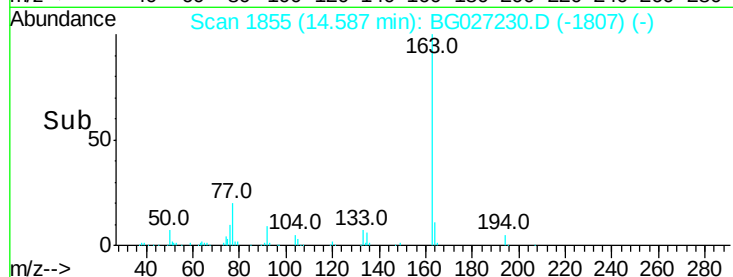
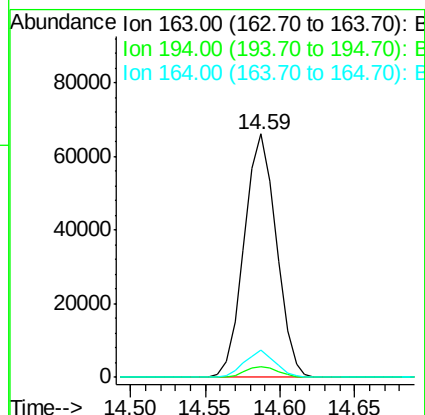
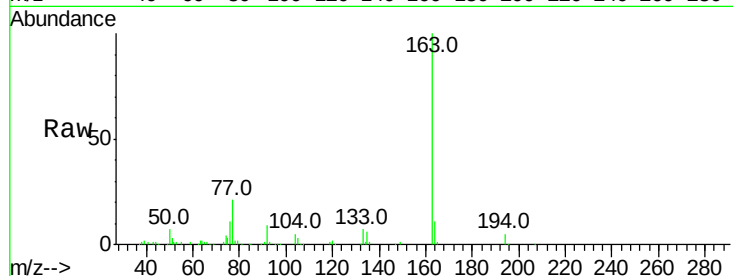
Acq: 6 Jun 2017 2:27

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	163	Resp:	99004
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.8	5.6
164	11.0	9.3	13.9



#50

2,6-Dinitrotoluene

Concen: 5.64 ng

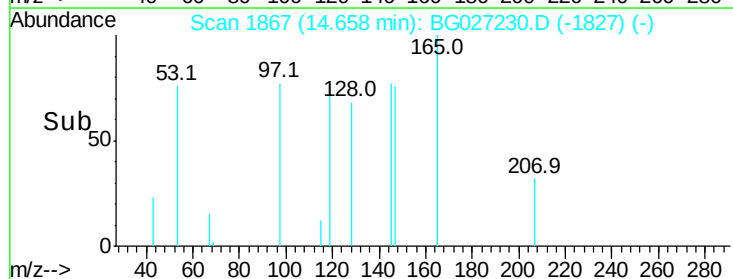
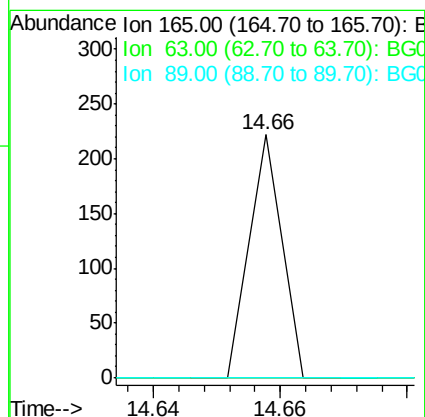
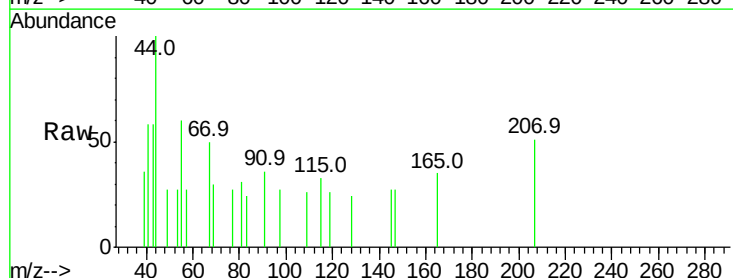
RT: 14.66 min Scan# 1867

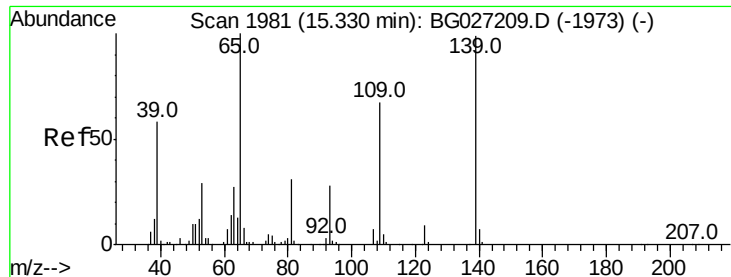
Delta R.T. -0.07 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

Tgt Ion:	165	Resp:	78
Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.9	95.9#
89	0.0	58.6	88.0#





#55

4-Nitrophenol

Concen: 6.15 ng

RT: 15.20 min Scan# 1959

Delta R.T. -0.13 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

Instrument :

BNA_G

ClientSampleId :

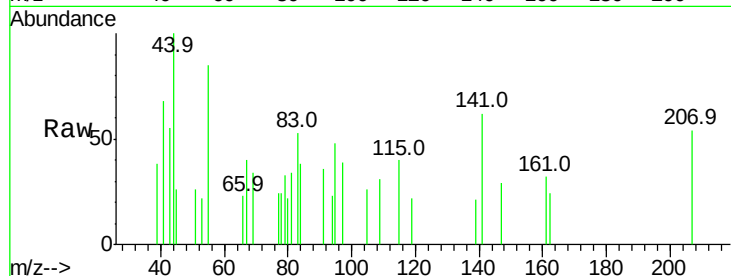
Tot Ion:139 Resp: 55

Ion Ratio Lower Upper

139 100

109 144.9 101.2 141.2#

65 0.0 135.3 175.3#

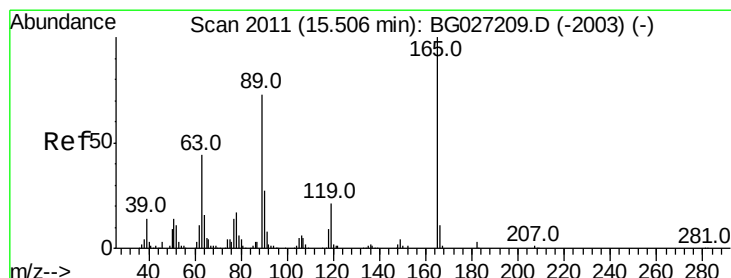
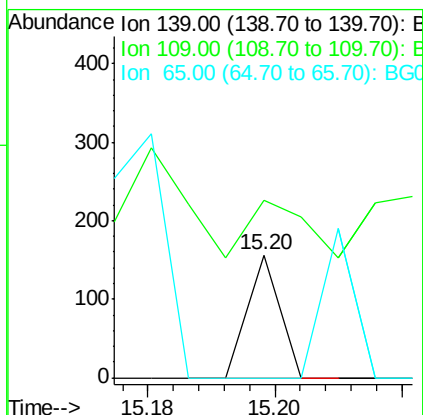
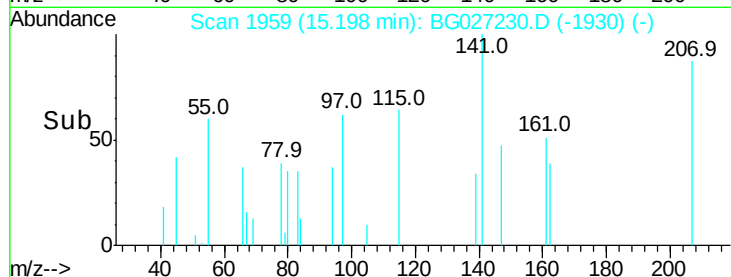


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

Time-->



#56

2,4-Dinitrotoluene

Concen: 7.00 ng

RT: 15.54 min Scan# 2017

Delta R.T. 0.03 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

Tgt Ion:165 Resp: 59

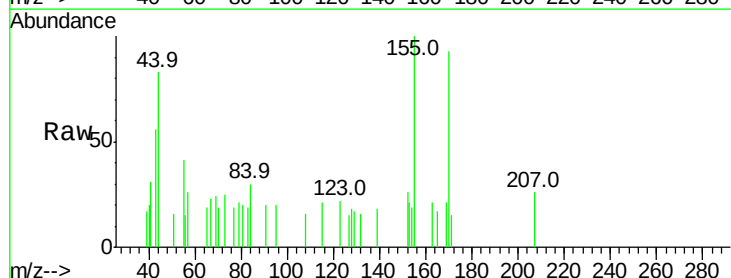
Ion Ratio Lower Upper

165 100

63 0.0 44.0 66.0#

89 0.0 67.3 100.9#

182 0.0 3.8 5.6#



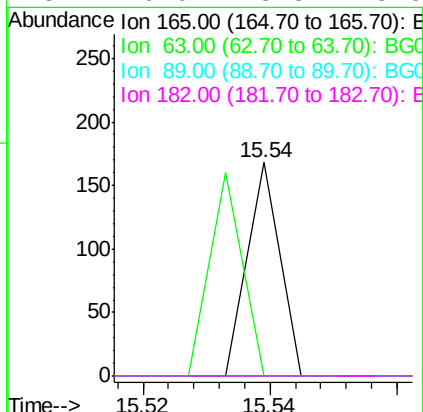
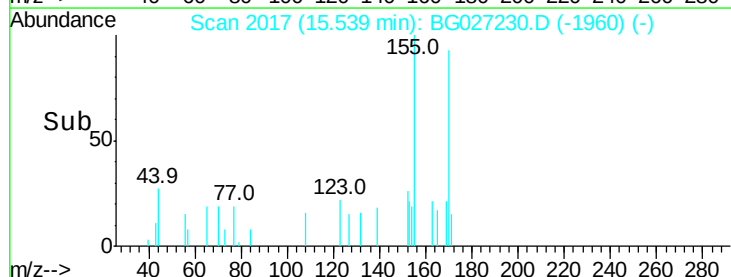
Abundance Ion 165.00 (164.70 to 165.70): E

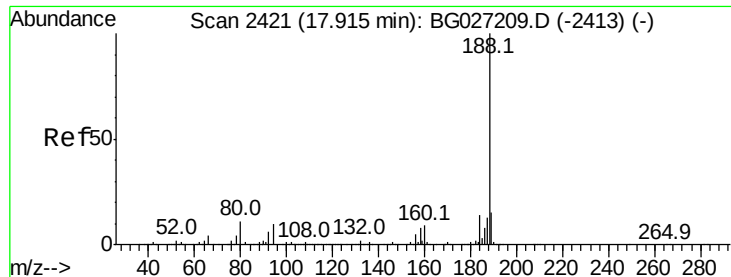
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

Time-->





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.91 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

Instrument :

BNA_G

ClientSampleId :

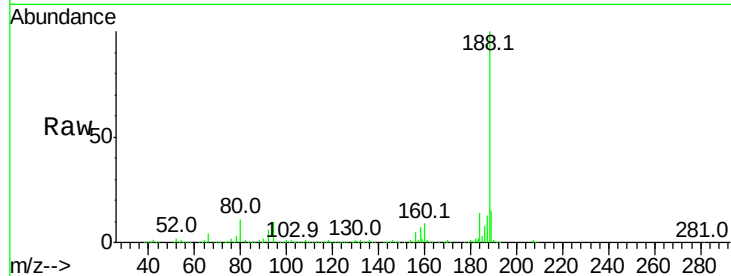
Tot Ion:188 Resp: 373086

Ion Ratio Lower Upper

188 100

94 9.8 5.8 8.8#

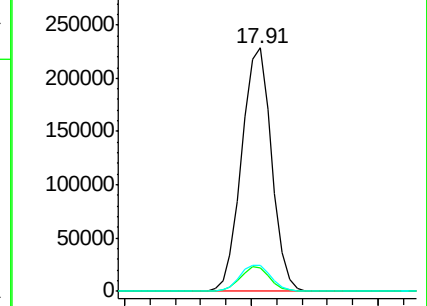
80 10.9 7.5 11.3



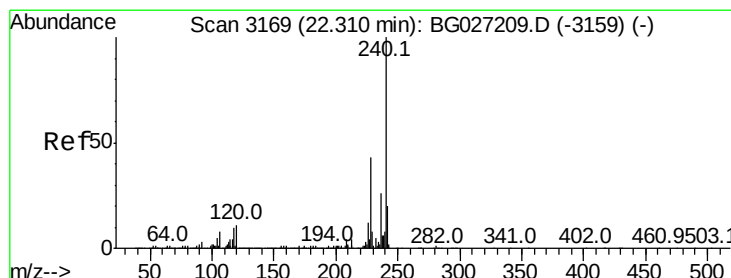
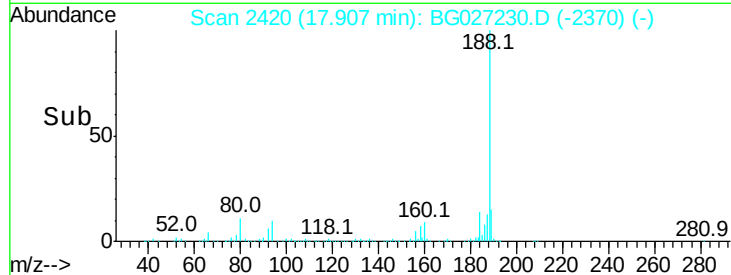
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.80 17.90 18.00



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.30 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

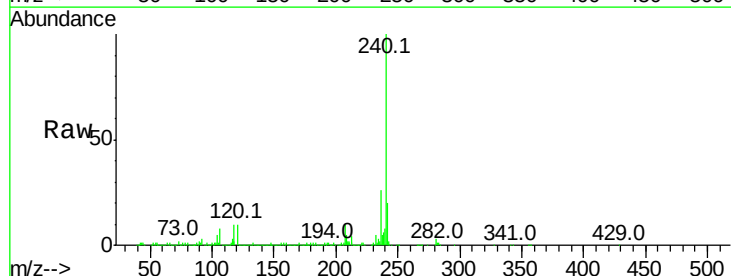
Tgt Ion:240 Resp: 412845

Ion Ratio Lower Upper

240 100

120 10.4 5.7 8.5#

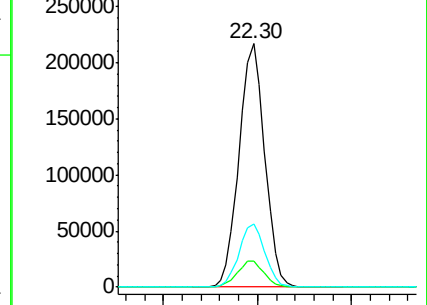
236 26.0 22.2 33.4



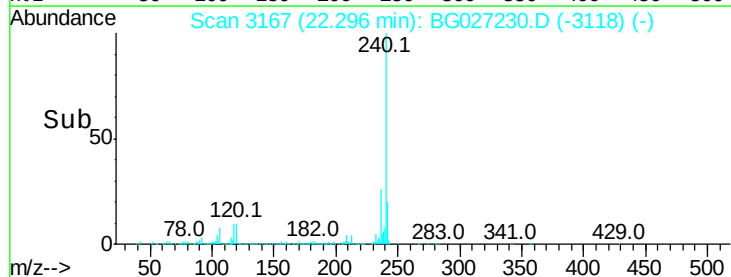
Abundance Ion 240.00 (239.70 to 240.70): E

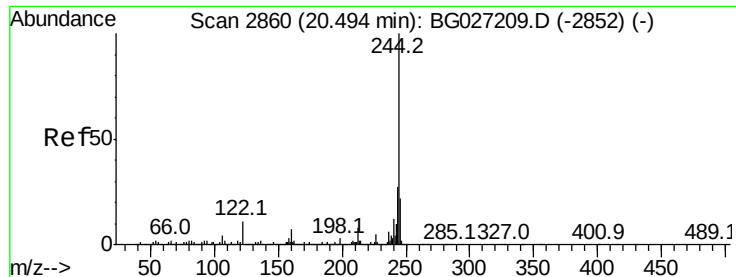
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 22.20 22.30 22.40





#78

Terphenyl-d14

Concen: 98.77 ng

RT: 20.49 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

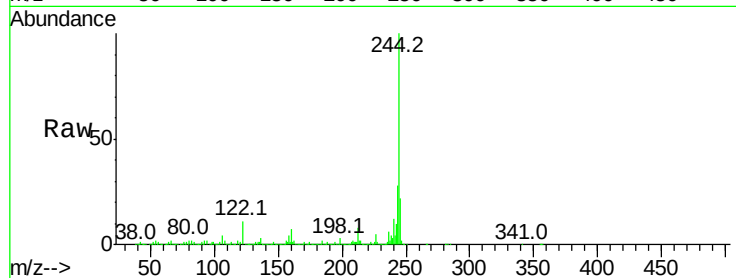
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1598430

Ion	Ratio	Lower	Upper
244	100		
212	8.1	10.0	15.0#
122	10.8	8.6	12.8

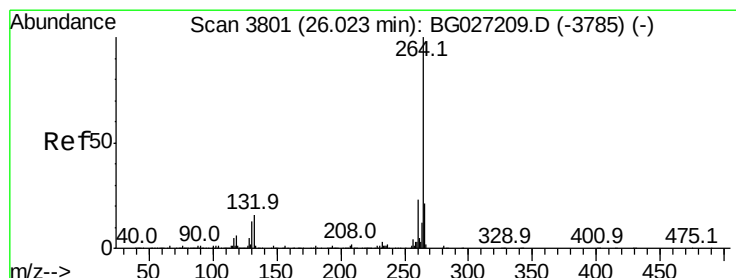
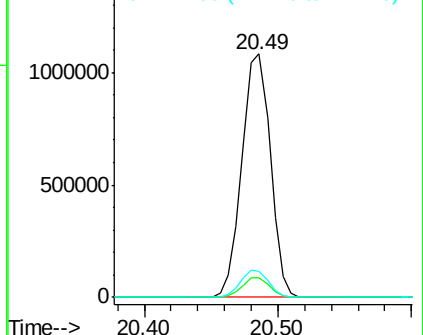
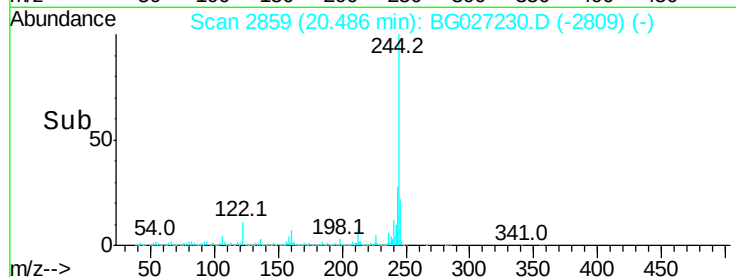


Abundance

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

Perylene-d12

Concen: 20.00 ng

RT: 26.00 min Scan# 3797

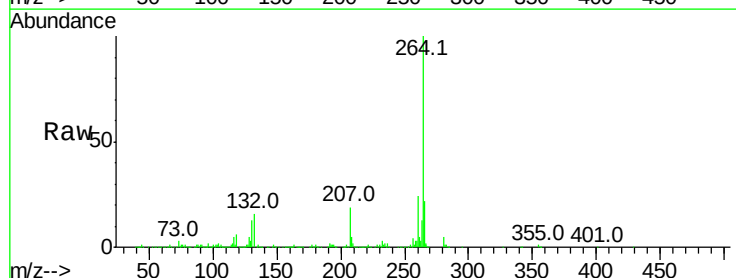
Delta R.T. -0.03 min

Lab File: BG027230.D

Acq: 6 Jun 2017 2:27

Tgt Ion:264 Resp: 397862

Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.8	32.8
265	22.3	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

