

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061317\
 Data File : BG027398.D
 Acq On : 13 Jun 2017 22:59
 Operator : SJ/MA
 Sample : I3614-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 14 06:11:07 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

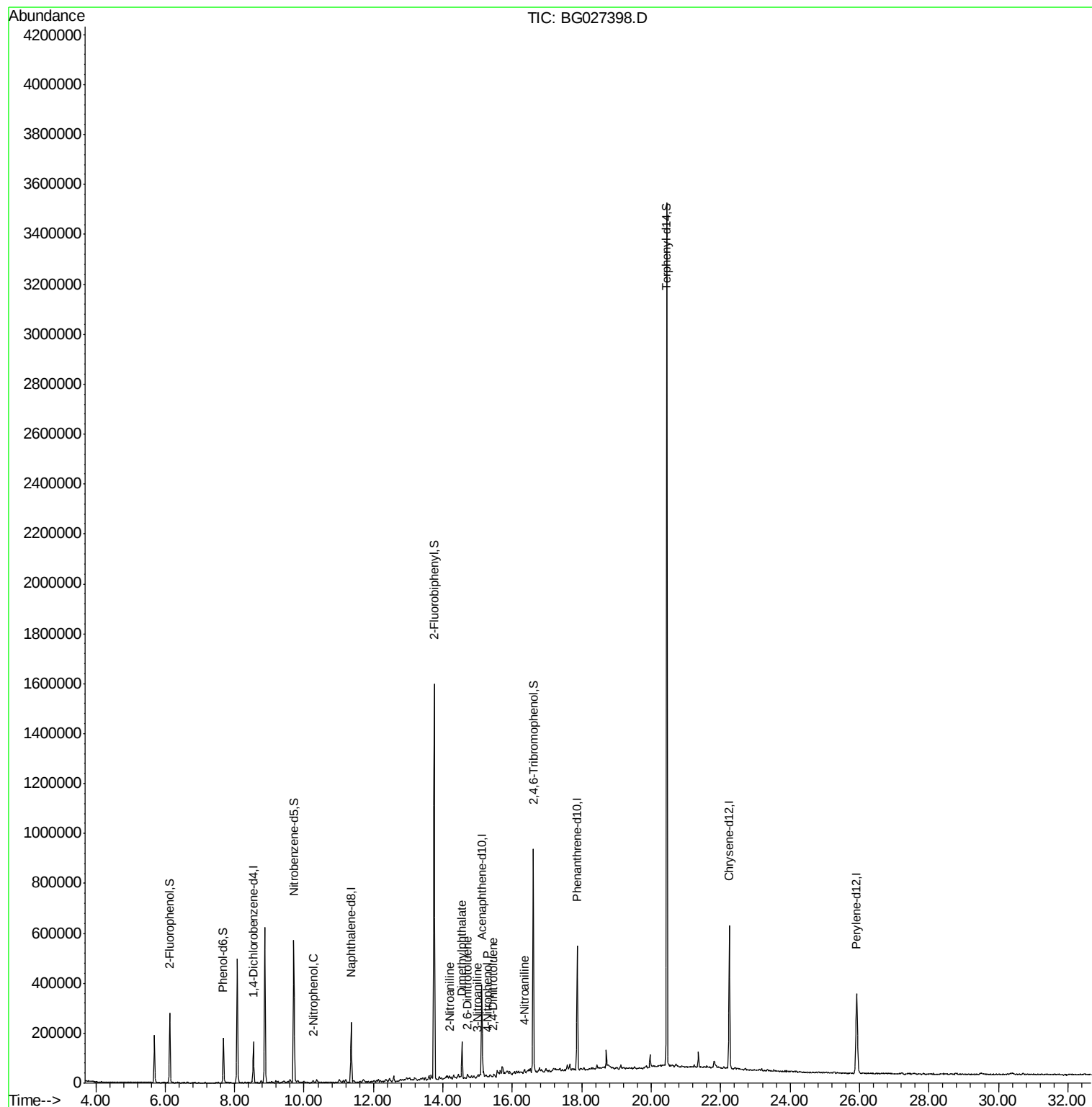
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.54	152	45675	20.00	ng	-0.04
21) Naphthalene-d8	11.36	136	207577	20.00	ng	-0.04
38) Acenaphthene-d10	15.12	164	127345	20.00	ng	-0.04
63) Phenanthrene-d10	17.87	188	315391	20.00	ng	-0.04
75) Chrysene-d12	22.25	240	385297	20.00	ng	-0.06
86) Perylene-d12	25.91	264	370222	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	120963	40.41	ng	-0.03
7) Phenol-d6	7.68	99	113656	25.87	ng	-0.03
23) Nitrobenzene-d5	9.70	82	378684	114.73	ng	-0.04
41) 2,4,6-Tribromophenol	16.60	330	178259	106.30	ng	-0.04
44) 2-Fluorobiphenyl	13.75	172	829870	91.17	ng	-0.04
78) Terphenyl-d14	20.44	244	1561595	103.39	ng	-0.05
Target Compounds						
26) 2-Nitrophenol	10.26	139	512	7.47	ng	# 20
47) 2-Nitroaniline	14.19	65	249	6.93	ng	# 55
49) Dimethylphthalate	14.55	163	91804	9.09	ng	97
50) 2,6-Dinitrotoluene	14.72	165	54	5.64	ng	# 23
52) 3-Nitroaniline	14.98	138	346	5.86	ng	# 1
55) 4-Nitrophenol	15.29	139	214	6.23	ng	# 52
56) 2,4-Dinitrotoluene	15.45	165	72	7.01	ng	# 16
61) 4-Nitroaniline	16.35	138	262	6.00	ng	92

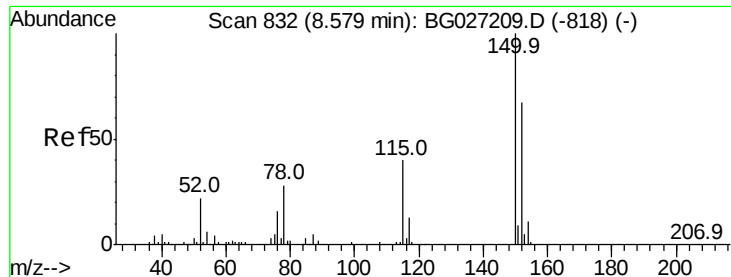
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

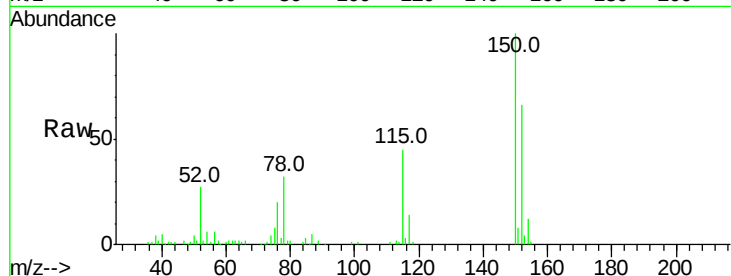
Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

Instrument :

BNA_G

ClientSampled :



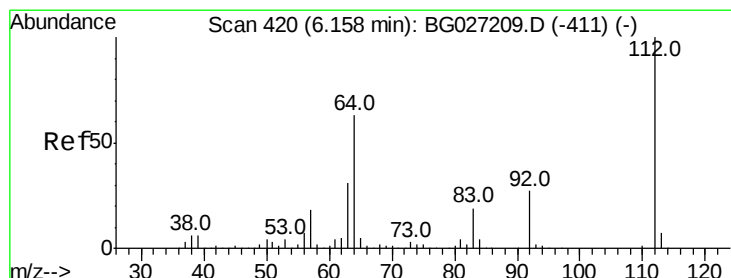
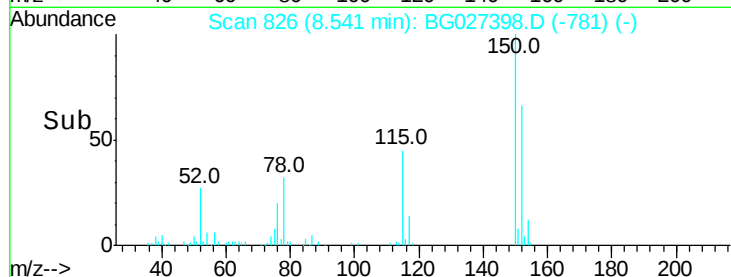
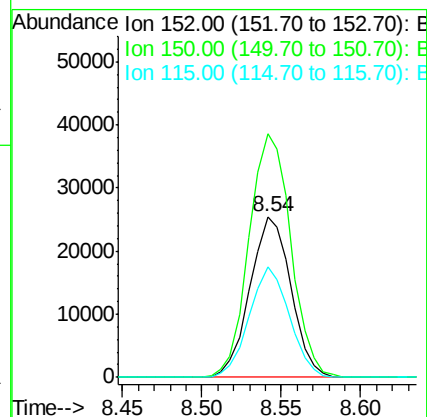
Tot Ion:152 Resp: 45675

Ion Ratio Lower Upper

152 100

150 151.7 114.0 171.0

115 68.8 48.1 72.1



#5

2-Fluorophenol

Concen: 40.41 ng

RT: 6.13 min Scan# 416

Delta R.T. -0.03 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

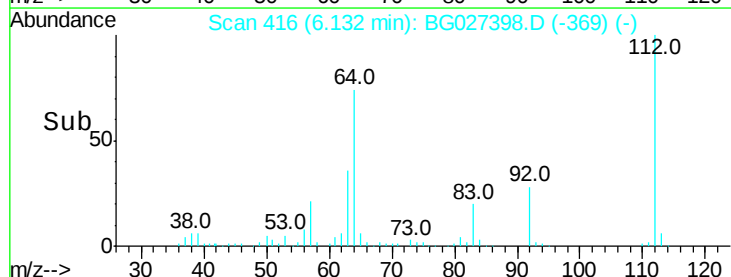
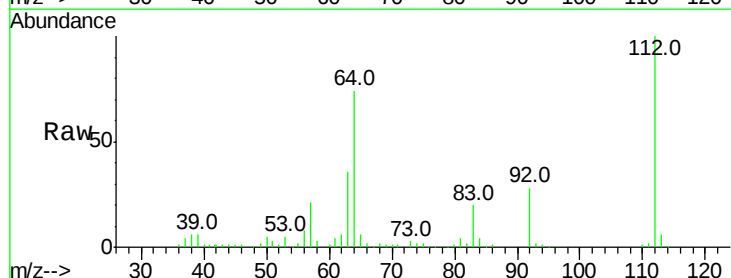
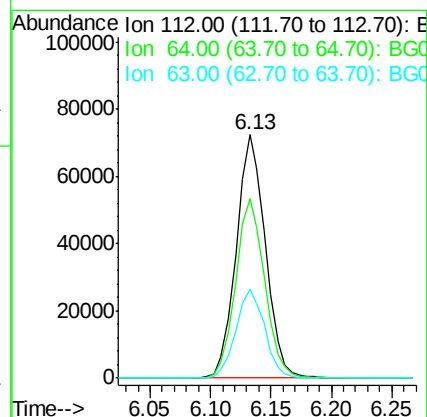
Tgt Ion:112 Resp: 120963

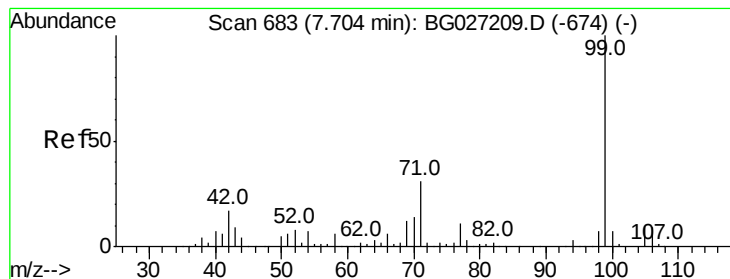
Ion Ratio Lower Upper

112 100

64 74.0 61.8 92.6

63 36.5 37.2 55.8#





#7

Phenol-d6

Concen: 25.87 ng

RT: 7.68 min Scan# 679

Delta R.T. -0.03 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

Instrument :

BNA_G

ClientSampleId :

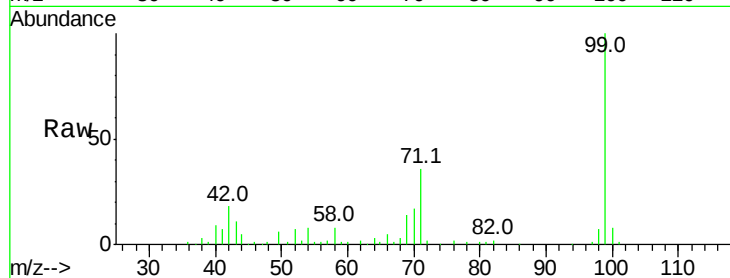
Tot Ion: 99 Resp: 113656

Ion Ratio Lower Upper

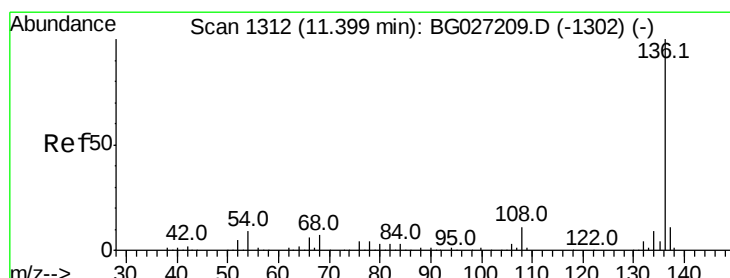
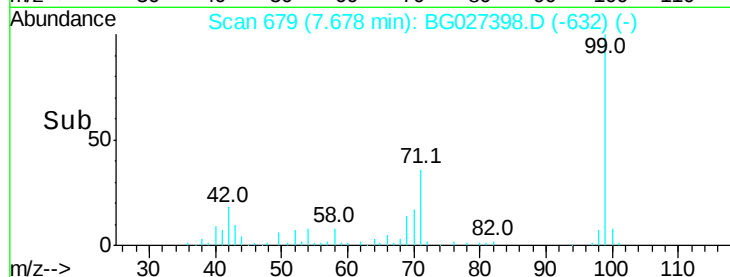
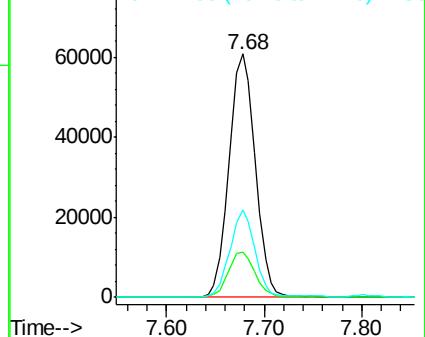
99 100

42 18.5 20.5 30.7#

71 35.9 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: BG027398.D

Acq: 13 Jun 2017 22:59

Tgt Ion: 136 Resp: 207577

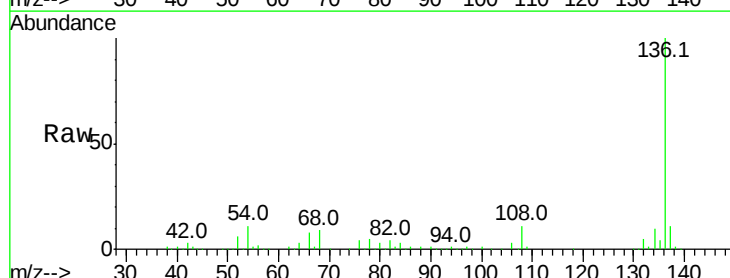
Ion Ratio Lower Upper

136 100

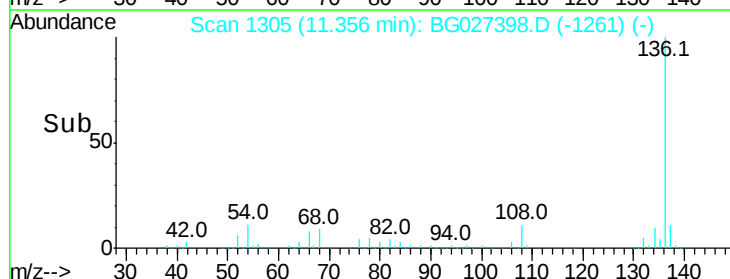
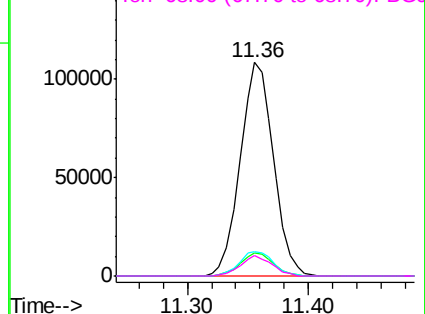
137 10.6 8.9 13.3

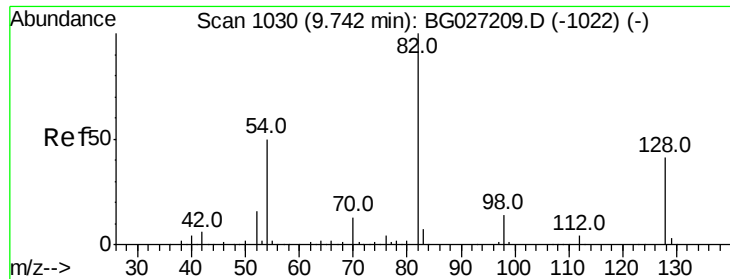
54 11.2 9.3 13.9

68 9.4 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

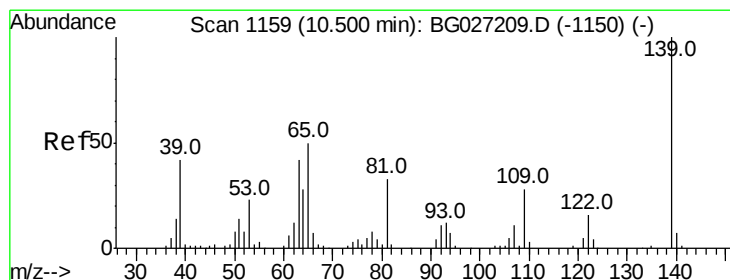
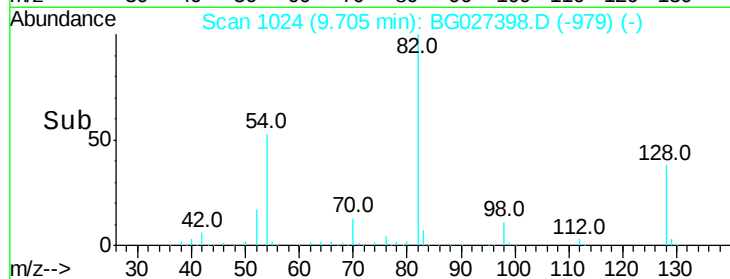
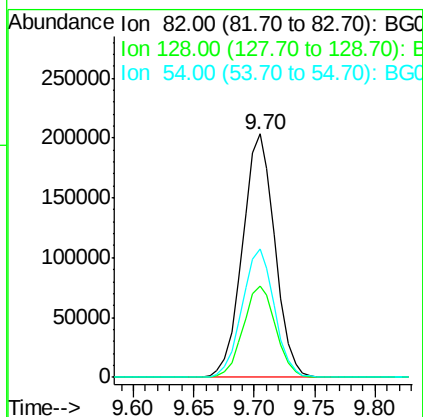
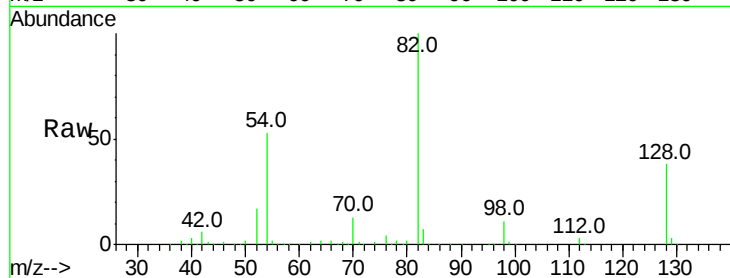




#23
Nitrobenzene-d5
Concen: 114.73 ng
RT: 9.70 min Scan# 1024
Delta R.T. -0.04 min
Lab File: BG027398.D
Acq: 13 Jun 2017 22:59

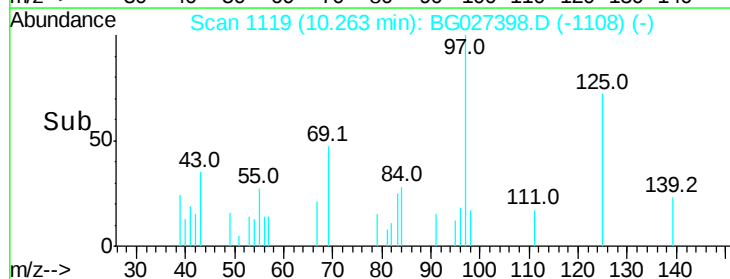
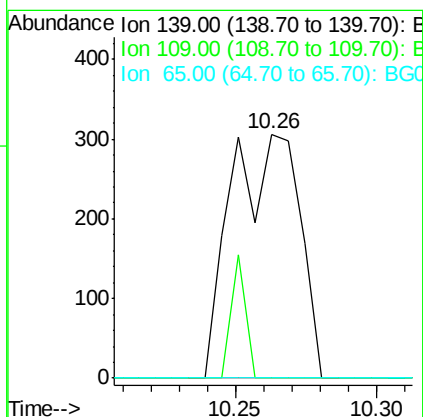
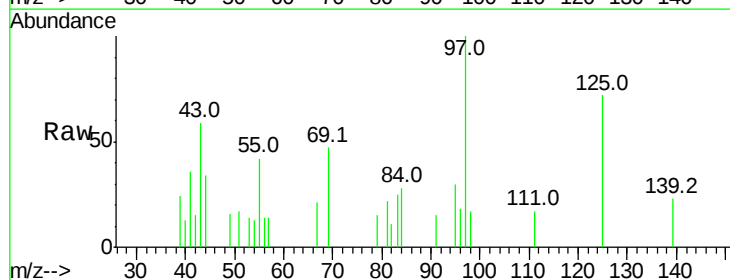
Instrument :
BNA_G
ClientSampleId :

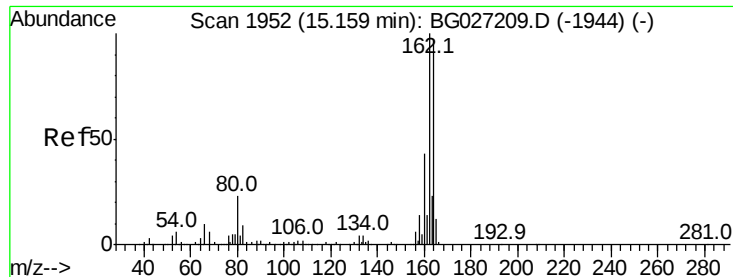
Tot Ion: 82 Resp: 378684
Ion Ratio Lower Upper
82 100
128 37.7 26.4 39.6
54 52.7 49.4 74.2



#26
2-Nitrophenol
Concen: 7.47 ng
RT: 10.26 min Scan# 1119
Delta R.T. -0.24 min
Lab File: BG027398.D
Acq: 13 Jun 2017 22:59

Tgt Ion:139 Resp: 512
Ion Ratio Lower Upper
139 100
109 0.0 38.6 58.0#
65 0.0 57.1 85.7#

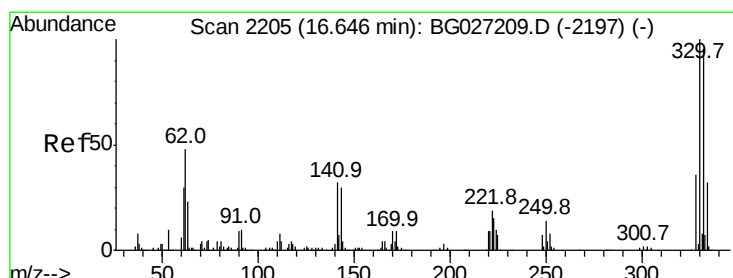
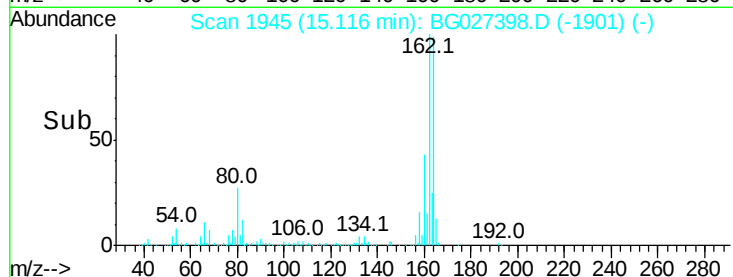
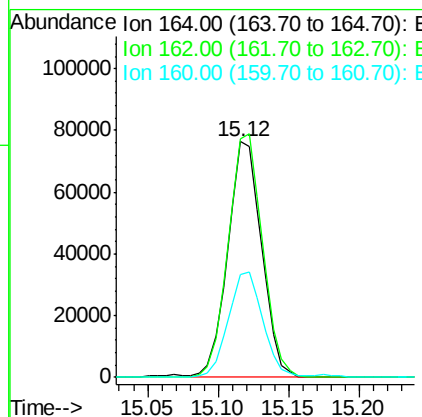
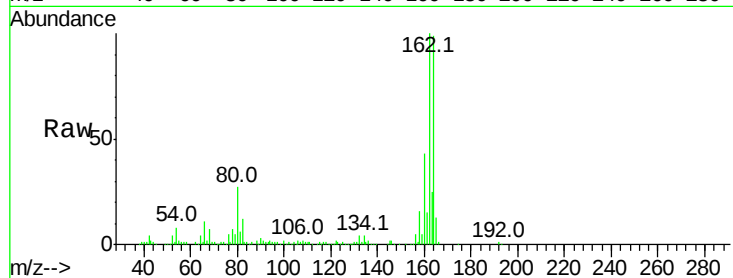




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: BG027398.D
 Acq: 13 Jun 2017 22:59

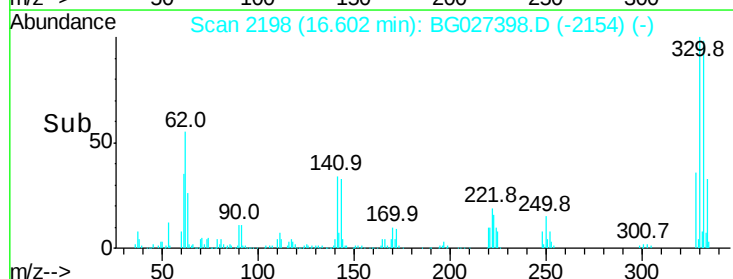
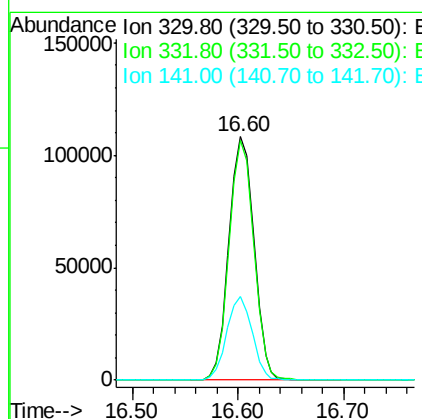
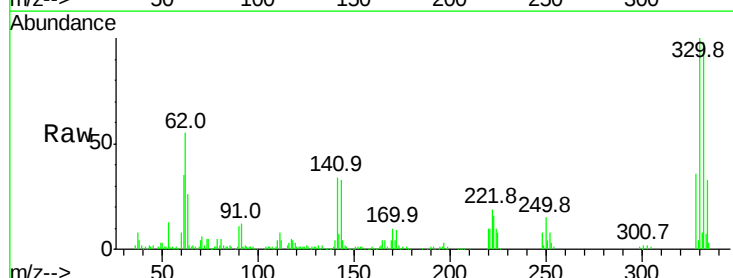
Instrument :
 BNA_G
 ClientSampleId :

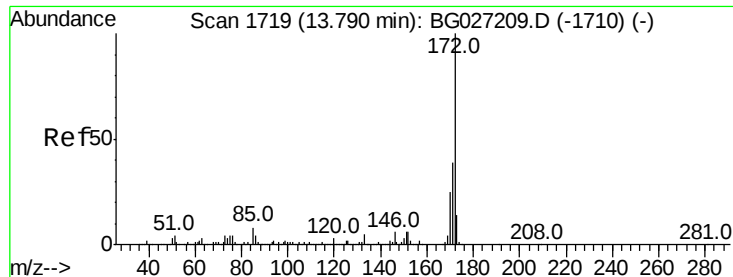
Tot Ion:164 Resp: 127345
 Ion Ratio Lower Upper
 164 100
 162 101.4 85.1 127.7
 160 43.8 34.7 52.1



#41
 2,4,6-Tribromophenol
 Concen: 106.30 ng
 RT: 16.60 min Scan# 2198
 Delta R.T. -0.04 min
 Lab File: BG027398.D
 Acq: 13 Jun 2017 22:59

Tgt Ion:330 Resp: 178259
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 35.1 32.1 48.1

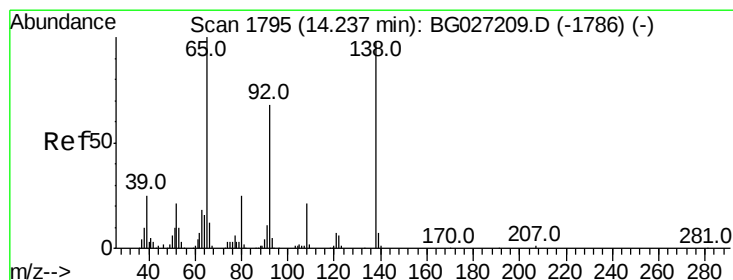
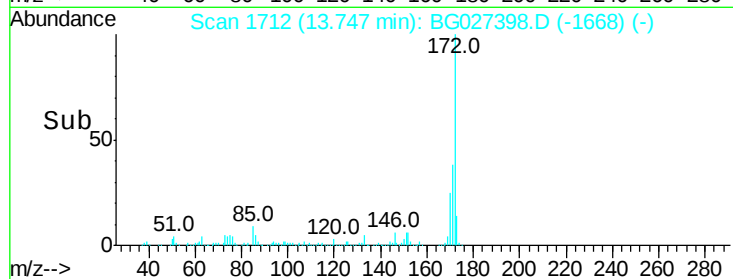
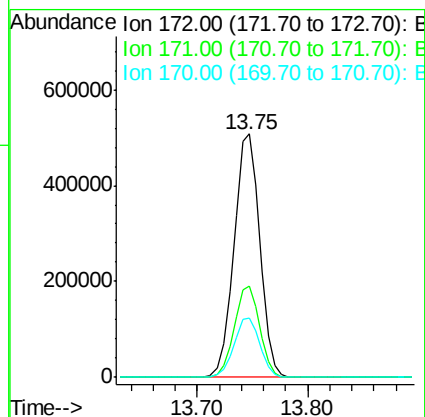
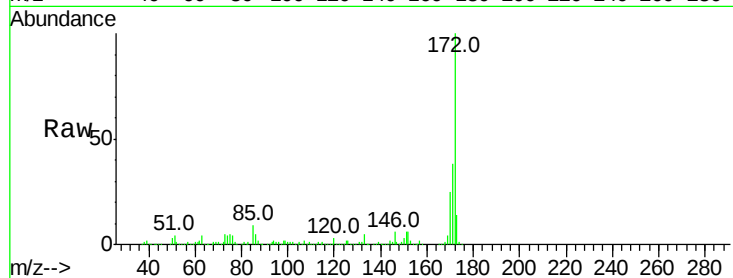




#44
 2-Fluorobiphenyl
 Concen: 91.17 ng
 RT: 13.75 min Scan# 1712
 Delta R.T. -0.04 min
 Lab File: BG027398.D
 Acq: 13 Jun 2017 22:59

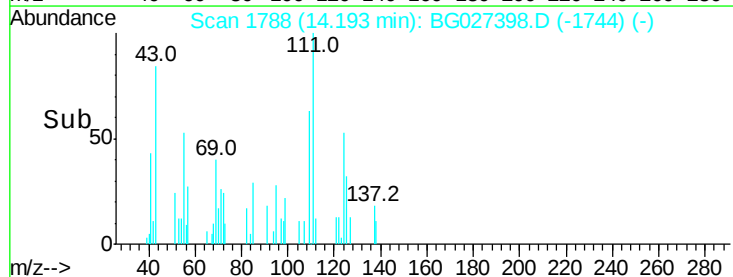
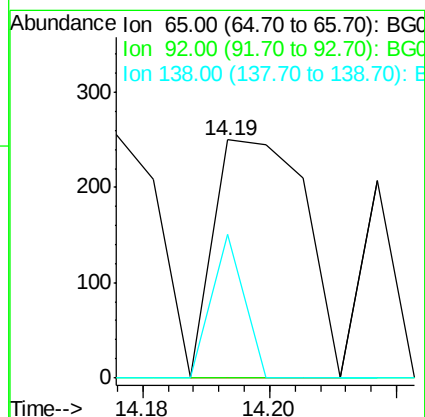
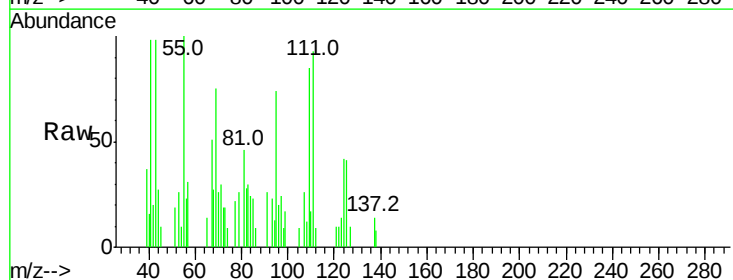
Instrument :
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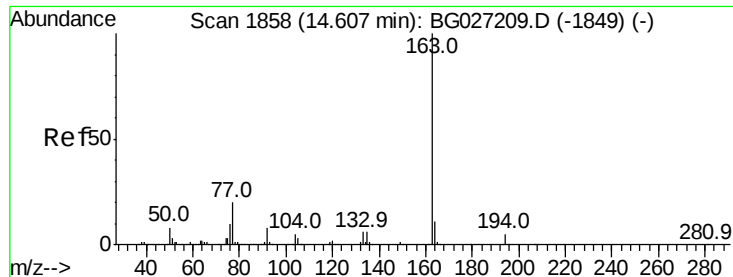
Tot Ion:172 Resp: 829870
 Ion Ratio Lower Upper
 172 100
 171 37.6 32.2 48.2
 170 24.6 21.8 32.6



#47
 2-Nitroaniline
 Concen: 6.93 ng
 RT: 14.19 min Scan# 1788
 Delta R.T. -0.04 min
 Lab File: BG027398.D
 Acq: 13 Jun 2017 22:59

Tgt Ion: 65 Resp: 249
 Ion Ratio Lower Upper
 65 100
 92 0.0 49.0 73.4#
 138 60.4 58.6 87.8

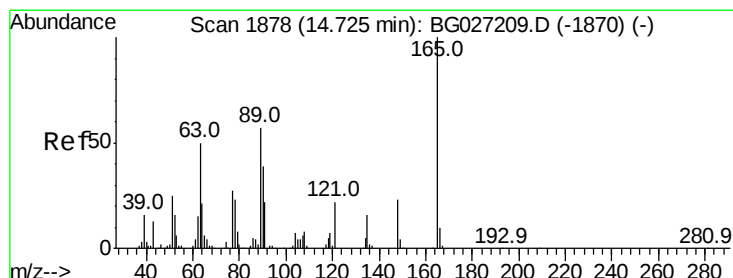
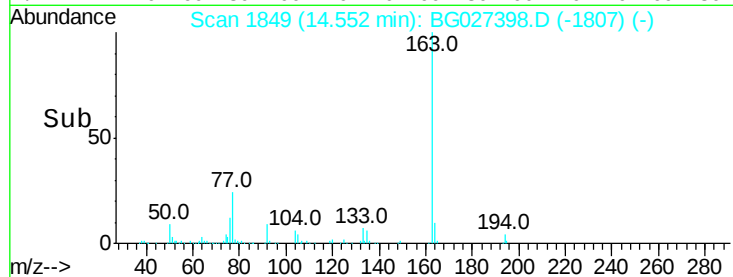
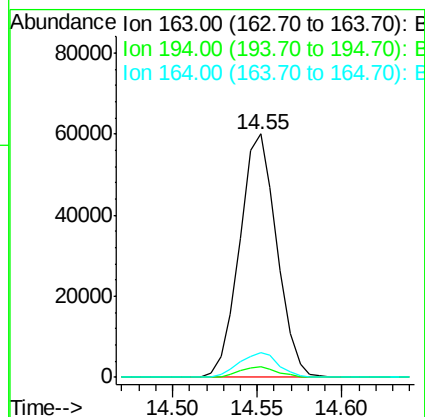
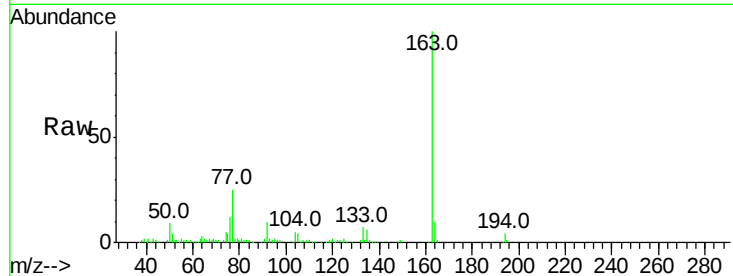




#49
Dimethylphthalate
Concen: 9.09 ng
RT: 14.55 min Scan# 1849
Delta R.T. -0.06 min
Lab File: BG027398.D
Acq: 13 Jun 2017 22:59

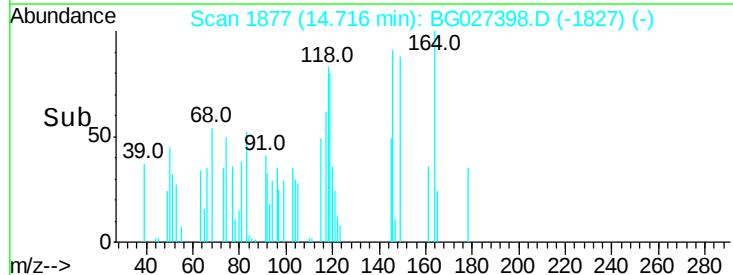
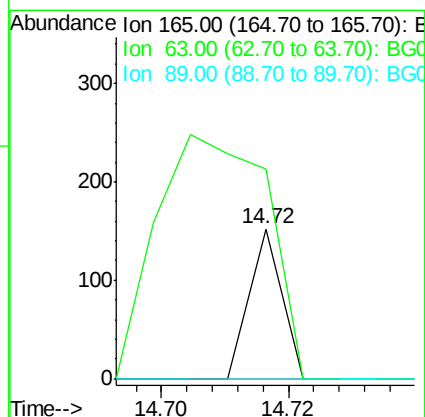
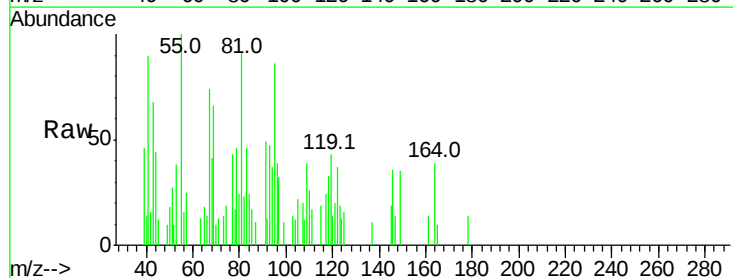
Instrument :
BNA_G
ClientSampleId :

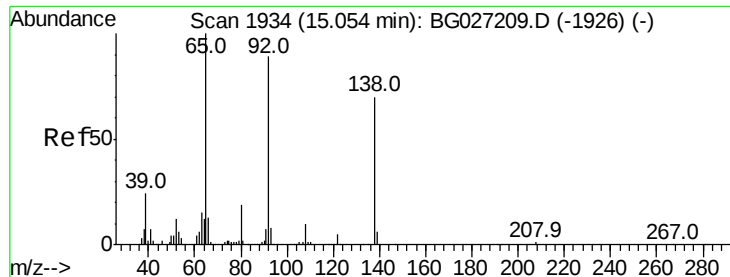
Tot Ion:163 Resp: 91804
Ion Ratio Lower Upper
163 100
194 4.2 3.8 5.6
164 10.3 9.3 13.9



#50
2,6-Dinitrotoluene
Concen: 5.64 ng
RT: 14.72 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BG027398.D
Acq: 13 Jun 2017 22:59

Tgt Ion:165 Resp: 54
Ion Ratio Lower Upper
165 100
63 140.1 63.9 95.9#
89 0.0 58.6 88.0#





#52

3-Nitroaniline

Concen: 5.86 ng

RT: 14.98 min Scan# 1922

Delta R.T. -0.07 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

Instrument :

BNA_G

ClientSampleId :

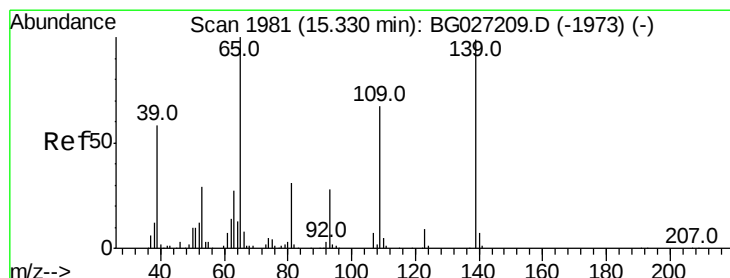
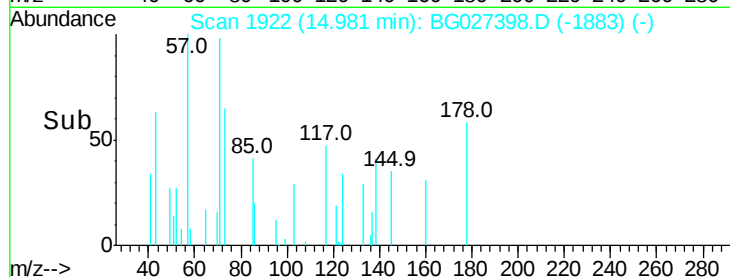
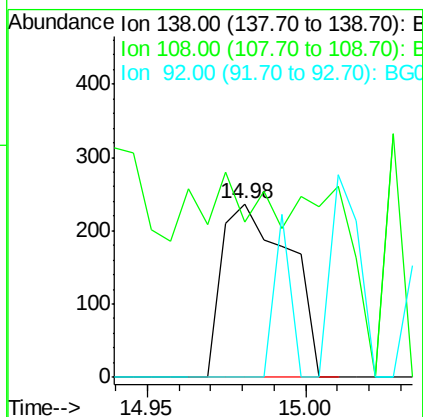
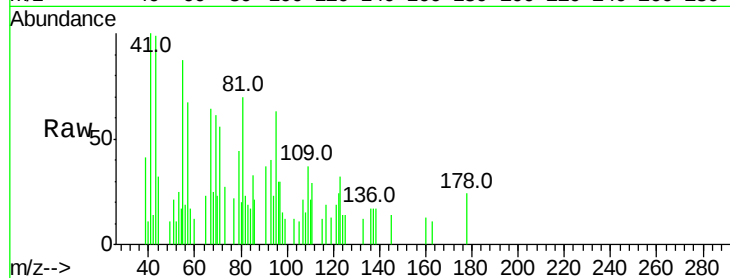
Tot Ion:138 Resp: 346

Ion Ratio Lower Upper

138 100

108 89.5 10.9 16.3#

92 0.0 115.3 172.9#



#55

4-Nitrophenol

Concen: 6.23 ng

RT: 15.29 min Scan# 1975

Delta R.T. -0.04 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

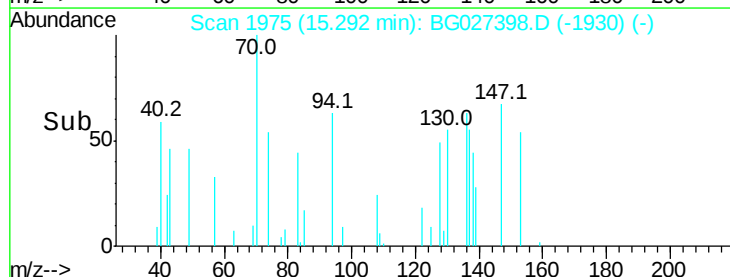
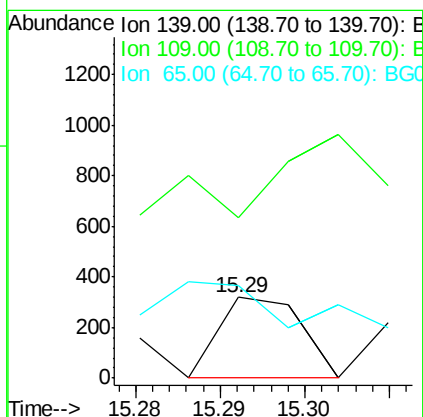
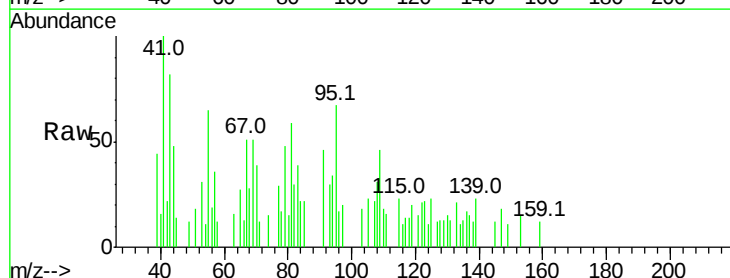
Tgt Ion:139 Resp: 214

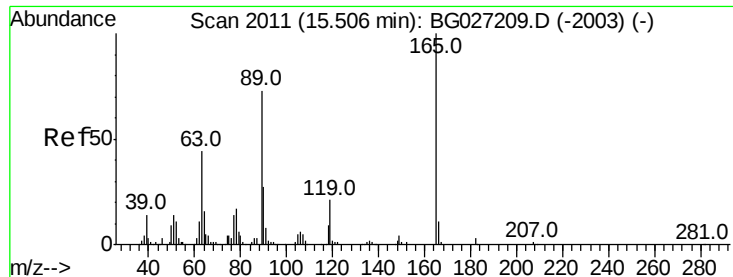
Ion Ratio Lower Upper

139 100

109 198.1 101.2 141.2#

65 114.4 135.3 175.3#

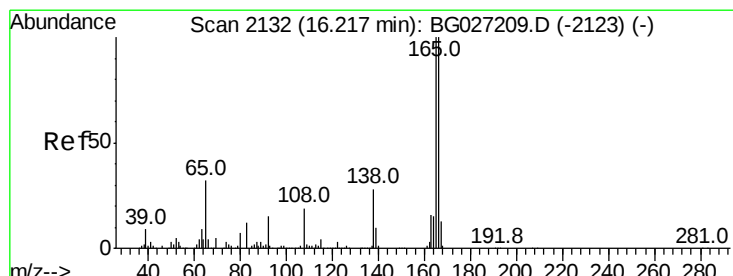
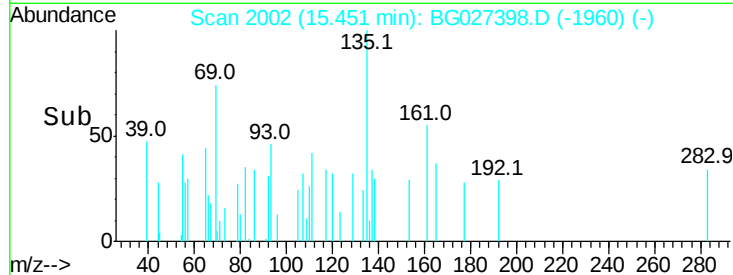
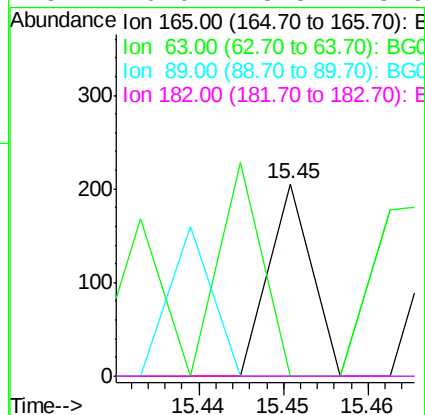
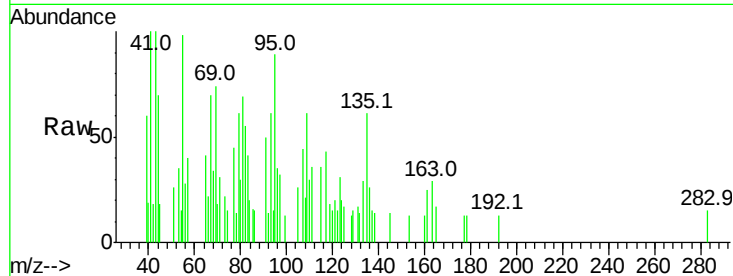




#56
2,4-Dinitrotoluene
Concen: 7.01 ng
RT: 15.45 min Scan# 2002
Delta R.T. -0.06 min
Lab File: BG027398.D
Acq: 13 Jun 2017 22:59

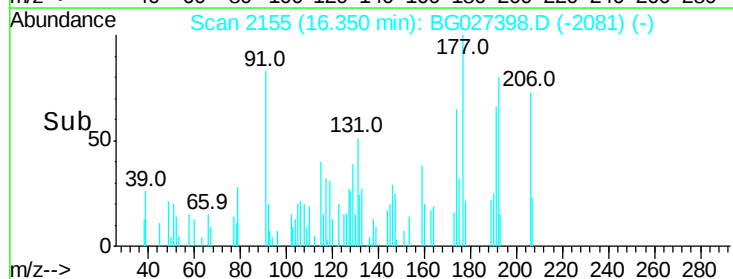
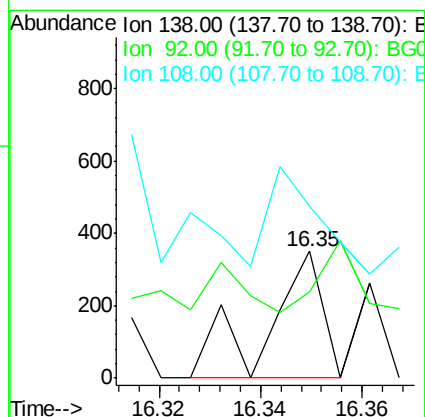
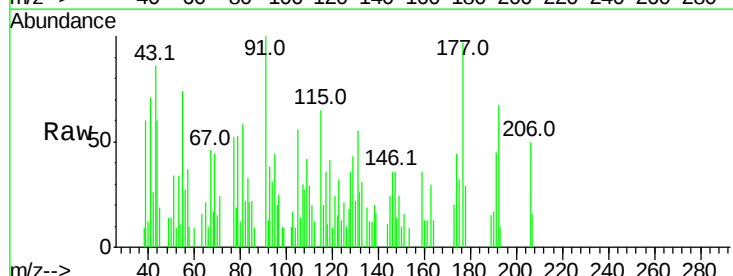
Instrument :
BNA_G
ClientSampleId :

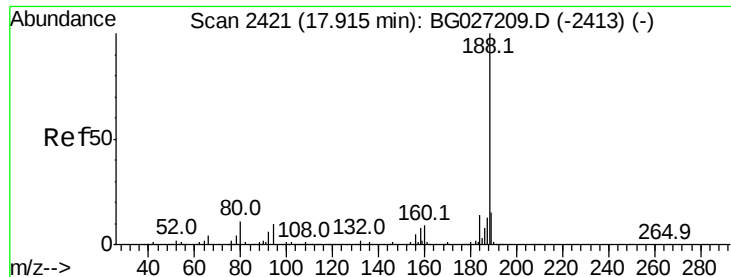
Tot Ion:165 Resp: 72
Ion Ratio Lower Upper
165 100
63 0.0 44.0 66.0#
89 0.0 67.3 100.9#
182 0.0 3.8 5.6#



#61
4-Nitroaniline
Concen: 6.00 ng
RT: 16.35 min Scan# 2155
Delta R.T. 0.13 min
Lab File: BG027398.D
Acq: 13 Jun 2017 22:59

Tgt Ion:138 Resp: 262
Ion Ratio Lower Upper
138 100
92 68.1 44.2 84.2
108 135.0 104.8 144.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.87 min Scan# 2414

Delta R.T. -0.04 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

Instrument :

BNA_G

ClientSampleId :

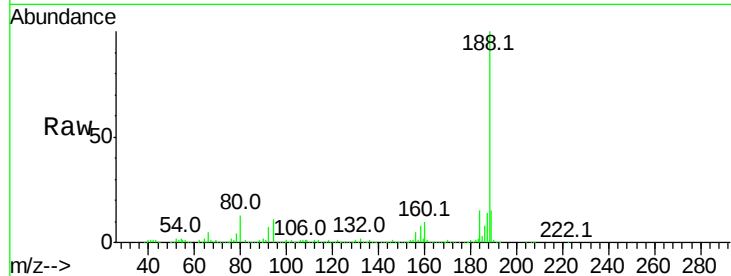
Tot Ion:188 Resp: 315391

Ion Ratio Lower Upper

188 100

94 11.2 5.8 8.8#

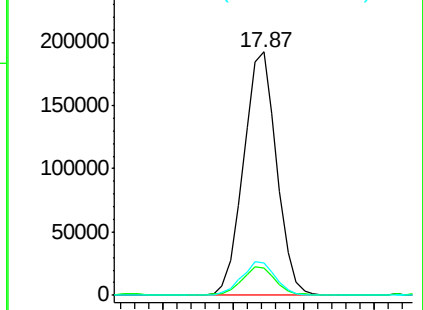
80 13.2 7.5 11.3#



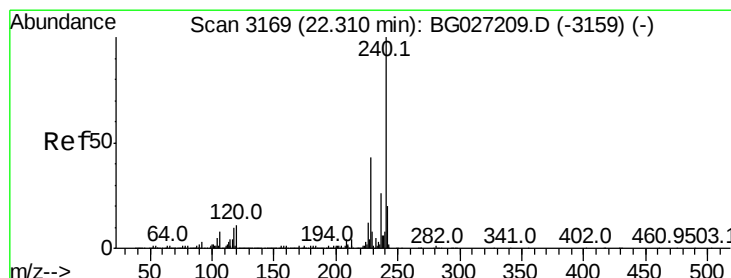
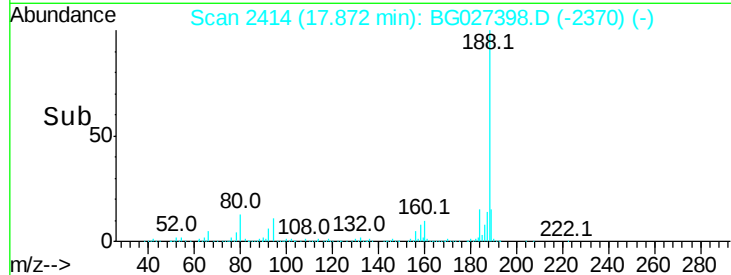
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.25 min Scan# 3159

Delta R.T. -0.06 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

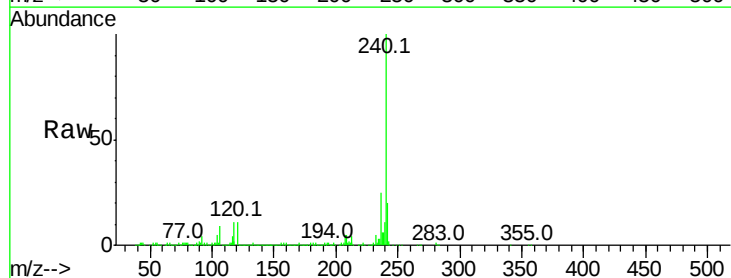
Tgt Ion:240 Resp: 385297

Ion Ratio Lower Upper

240 100

120 11.4 5.7 8.5#

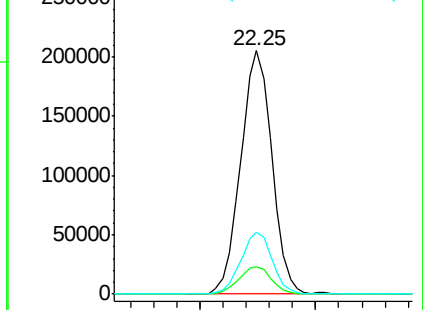
236 25.3 22.2 33.4



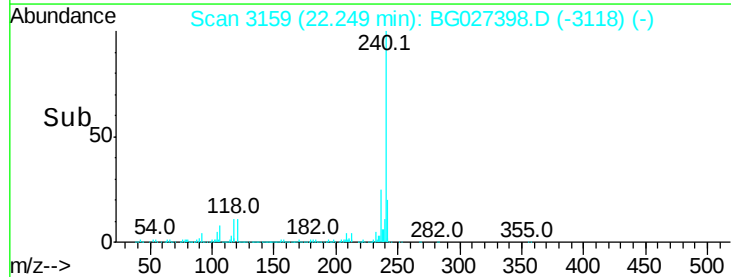
Abundance Ion 240.00 (239.70 to 240.70): E

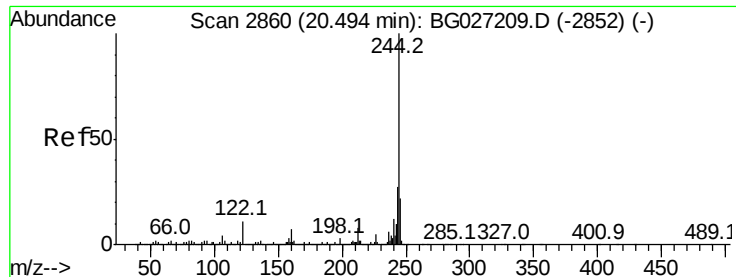
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 103.39 ng

RT: 20.44 min Scan# 2852

Delta R.T. -0.05 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

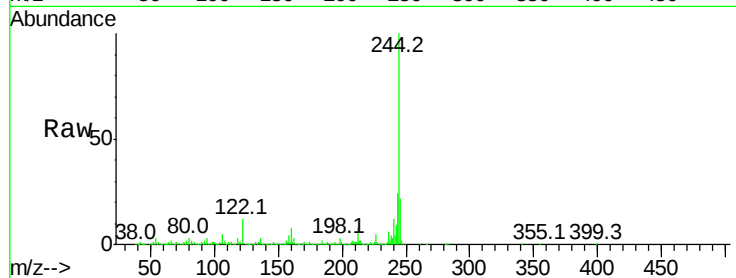
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1561595

Ion	Ratio	Lower	Upper
244	100		
212	8.2	10.0	15.0#
122	12.4	8.6	12.8

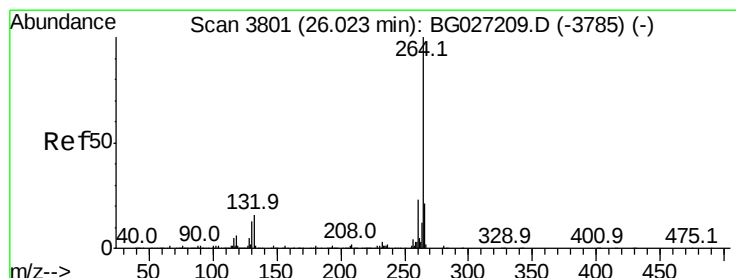
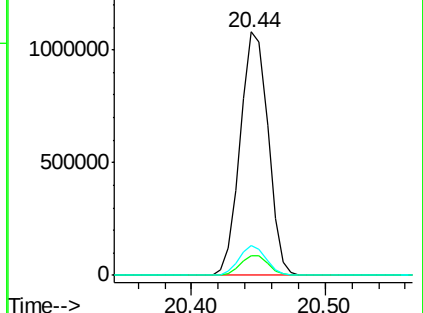
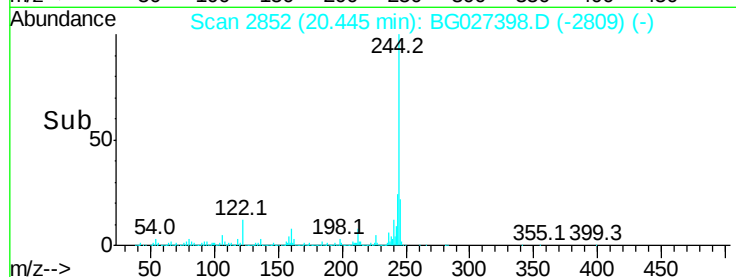


Abundance

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: 25.91 min Scan# 3783

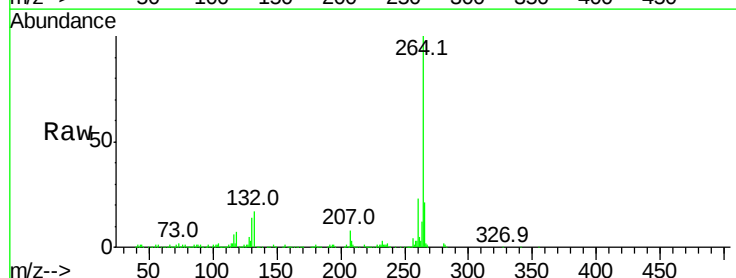
Delta R.T. -0.11 min

Lab File: BG027398.D

Acq: 13 Jun 2017 22:59

Tgt Ion:264 Resp: 370222

Ion	Ratio	Lower	Upper
264	100		
260	23.3	21.8	32.8
265	21.1	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

