

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
 Data File : BG027227.D
 Acq On : 6 Jun 2017 00:29
 Operator : SJ/MA
 Sample : I3407-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S22-0025

Quant Time: Jun 06 04:06:26 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

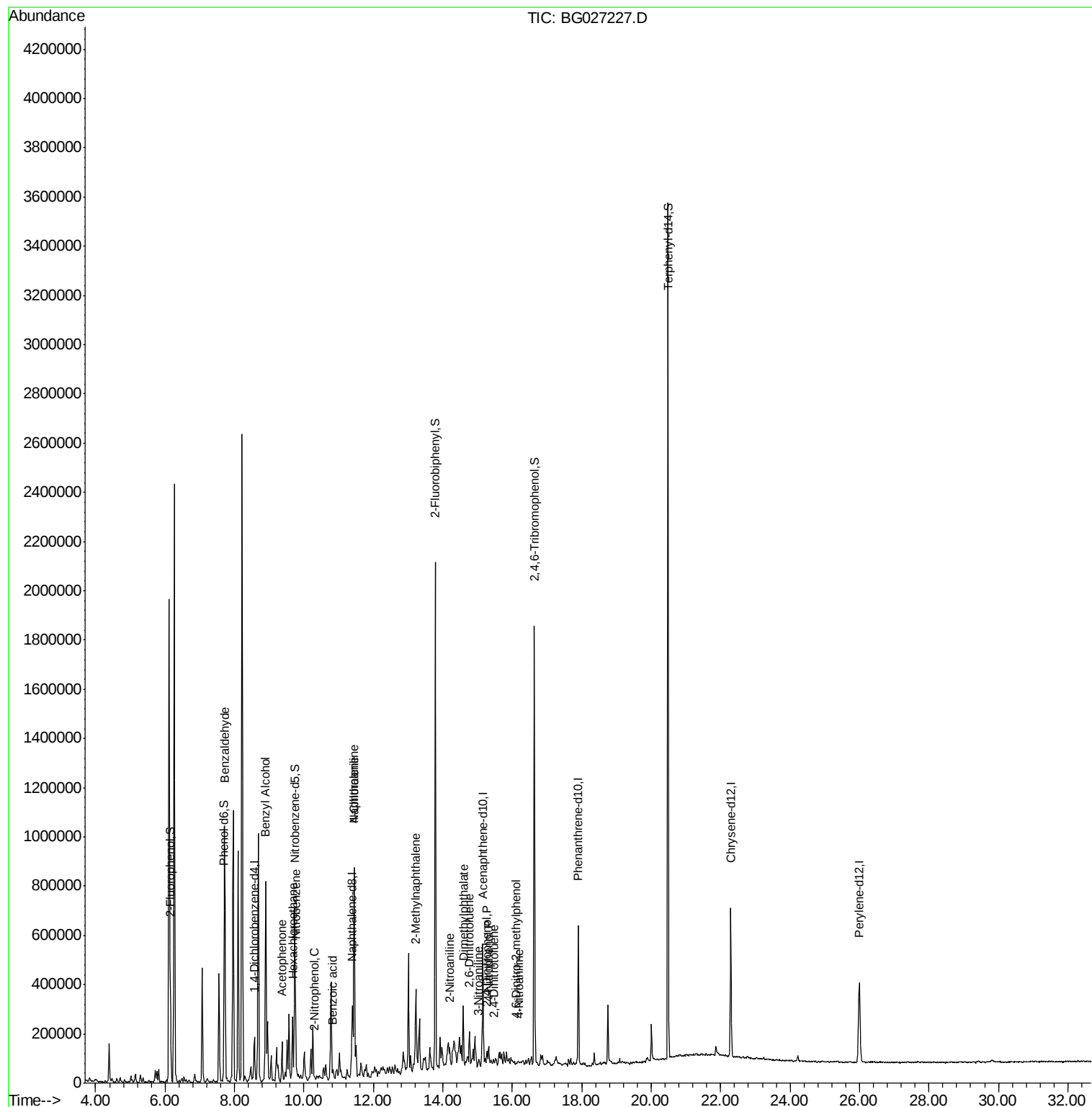
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.57	152	54348	20.00	ng	0.00
21) Naphthalene-d8	11.39	136	255189	20.00	ng	0.00
38) Acenaphthene-d10	15.15	164	169402	20.00	ng	0.00
63) Phenanthrene-d10	17.90	188	381528	20.00	ng	-0.01
75) Chrysene-d12	22.29	240	422402	20.00	ng	-0.02
86) Perylene-d12	26.00	264	403491	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	228634	64.20	ng	0.00
7) Phenol-d6	7.70	99	199242	38.11	ng	0.00
23) Nitrobenzene-d5	9.74	82	451651	111.31	ng	0.00
41) 2,4,6-Tribromophenol	16.63	330	375423	168.30	ng	-0.01
44) 2-Fluorobiphenyl	13.78	172	1178899	97.36	ng	0.00
78) Terphenyl-d14	20.48	244	1612170	97.36	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.71	77	73932	20.45	ng	# 1
15) Benzyl Alcohol	8.90	79	7733	2.10	ng	# 42
18) Hexachloroethane	9.68	117	45956	31.34	ng	# 6
22) Acetophenone	9.37	105	124111	19.02	ng	# 45
24) Nitrobenzene	9.76	77	9419	2.04	ng	# 8
26) 2-Nitrophenol	10.30	139	673	7.49	ng	# 70
31) Naphthalene	11.45	128	764553	54.82	ng	100
32) Benzoic acid	10.82	122	2733	8.83	ng	93
33) 4-Chloroaniline	11.45	127	108213	18.62	ng	# 26
37) 2-Methylnaphthalene	13.22	142	153240	15.06	ng	93
47) 2-Nitroaniline	14.19	65	1231	7.19	ng	# 42
49) Dimethylphthalate	14.59	163	169367	12.60	ng	96
50) 2,6-Dinitrotoluene	14.77	165	3293	6.68	ng	# 68
52) 3-Nitroaniline	15.02	138	220	5.78	ng	# 50
53) 2,4-Dinitrophenol	15.26	184	69	4.70	ng	# 1
55) 4-Nitrophenol	15.31	139	856	6.44	ng	# 22
56) 2,4-Dinitrotoluene	15.49	165	250	7.05	ng	# 44
61) 4-Nitroaniline	16.20	138	201	5.96	ng	# 43
64) 4,6-Dinitro-2-methylphenol	16.10	198	57	5.05	ng	# 1

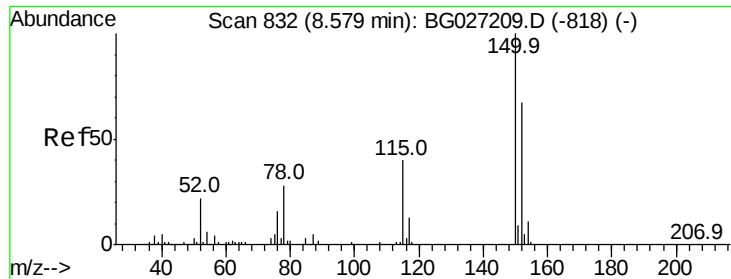
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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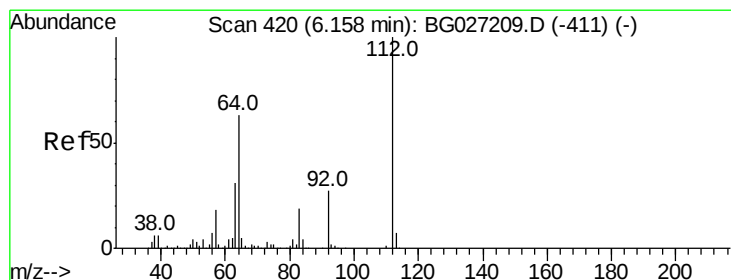
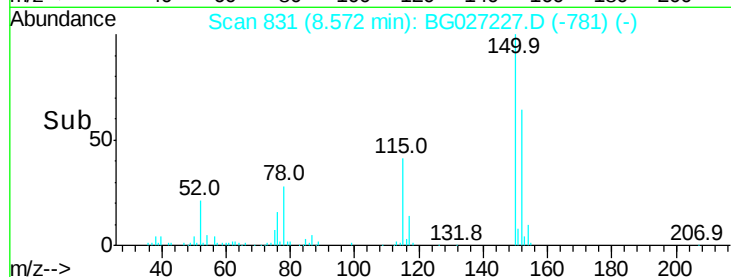
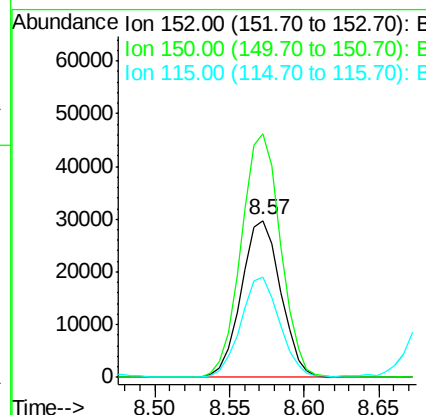
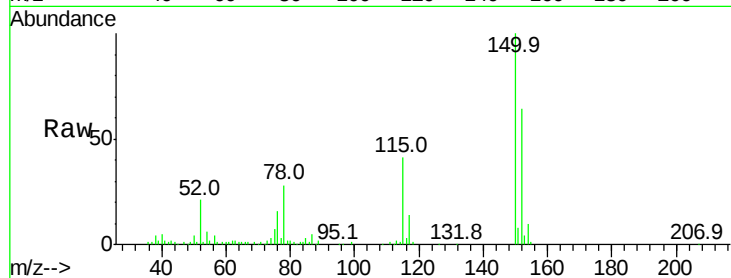


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.57 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Instrument :
BNA_G
ClientSampleId :
S22-0025

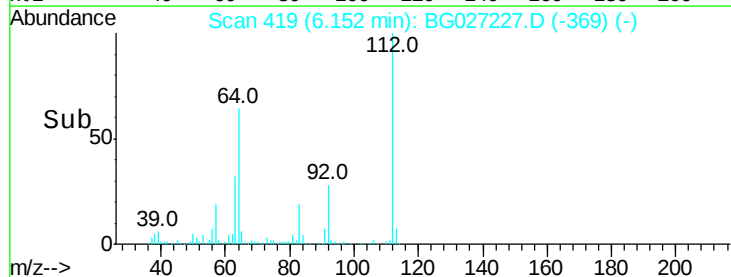
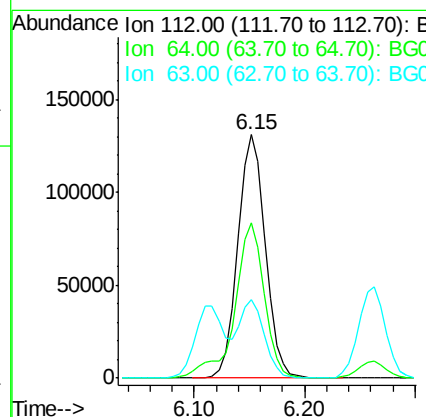
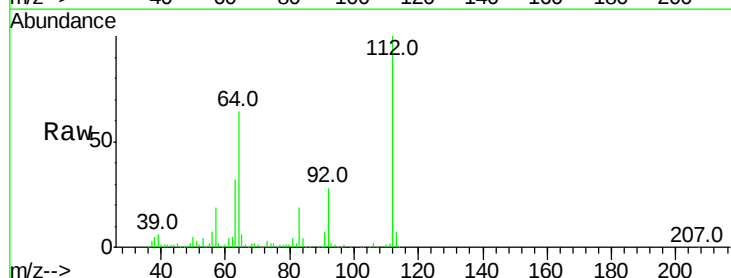
Tot Ion:152 Resp: 54348
Ion Ratio Lower Upper
152 100
150 155.4 114.0 171.0
115 63.8 48.1 72.1

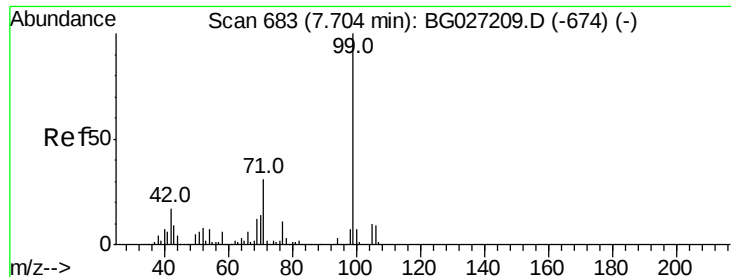


#5

2-Fluorophenol
Concen: 64.20 ng
RT: 6.15 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion:112 Resp: 228634
Ion Ratio Lower Upper
112 100
64 63.6 61.8 92.6
63 32.4 37.2 55.8#





#7

Phenol-d6

Concen: 38.11 ng

RT: 7.70 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

Instrument :

BNA_G

ClientSampled :

S22-0025

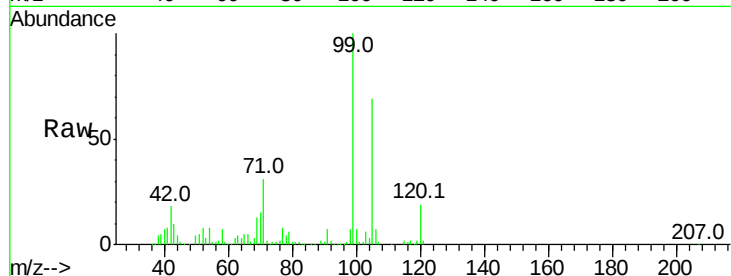
Tot Ion: 99 Resp: 199242

Ion Ratio Lower Upper

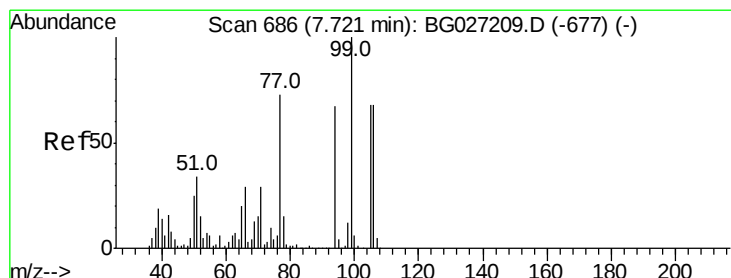
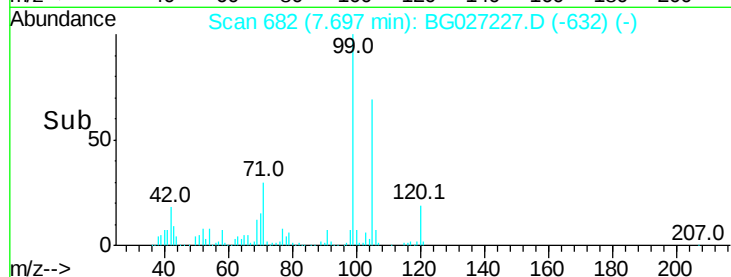
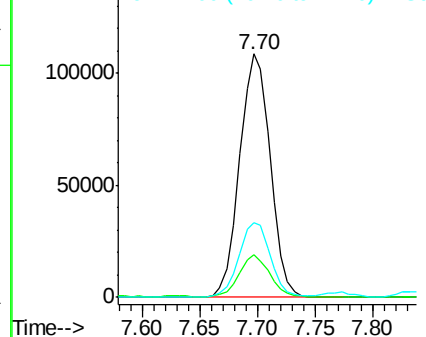
99 100

42 17.7 20.5 30.7#

71 30.7 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



#9

Benzaldehyde

Concen: 20.45 ng

RT: 7.71 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

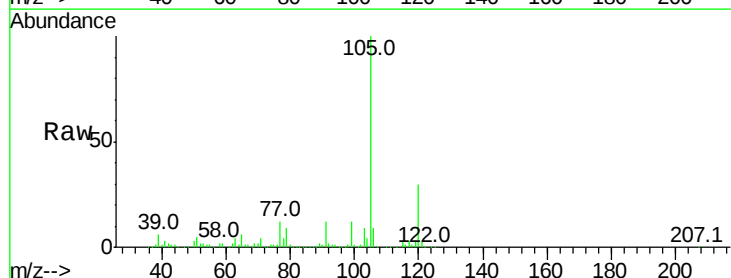
Tgt Ion: 77 Resp: 73932

Ion Ratio Lower Upper

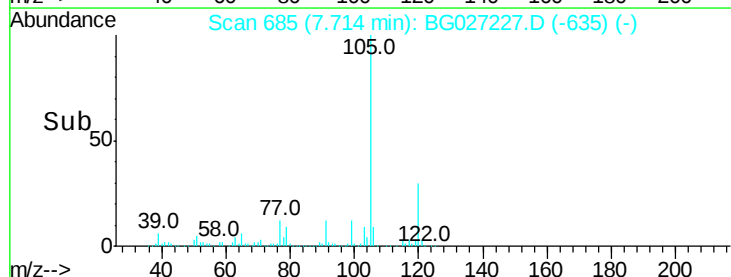
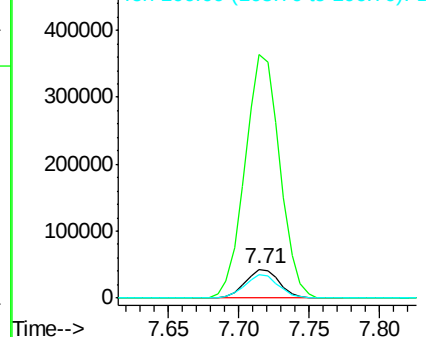
77 100

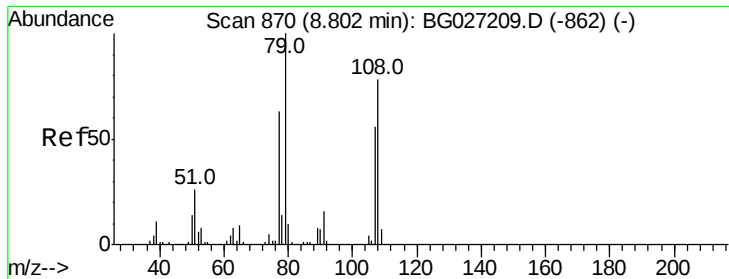
105 834.0 60.9 100.9#

106 78.4 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 8.90 min Scan# 886

Delta R.T. 0.09 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

Instrument :

BNA_G

ClientSampleId :

S22-0025

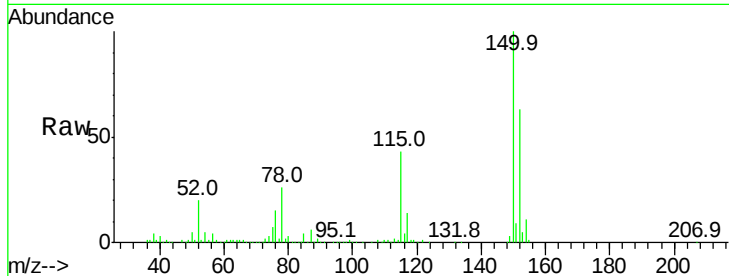
Tot Ion: 79 Resp: 7733

Ion Ratio Lower Upper

79 100

108 33.8 45.5 68.3#

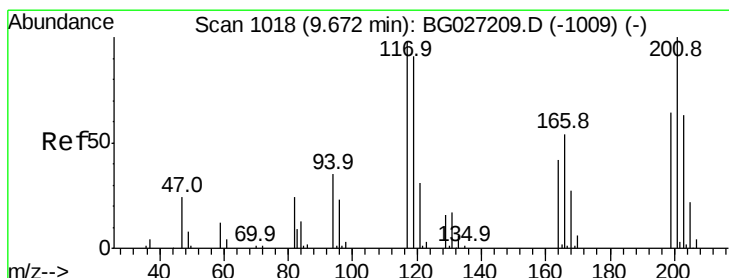
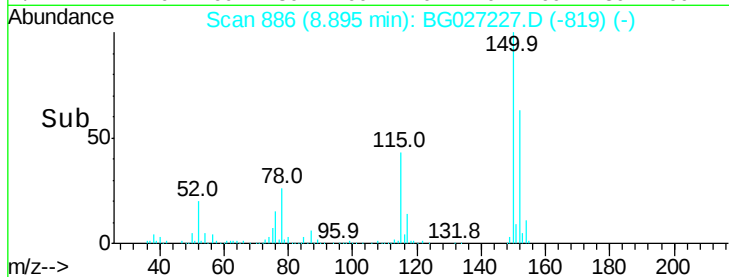
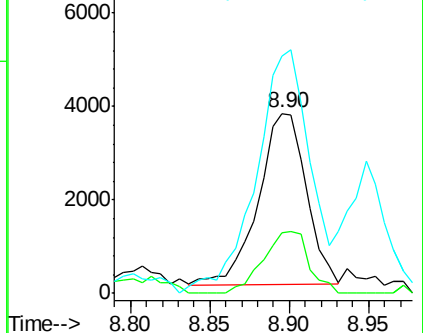
77 132.3 54.3 81.5#



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: 31.34 ng

RT: 9.68 min Scan# 1020

Delta R.T. 0.01 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

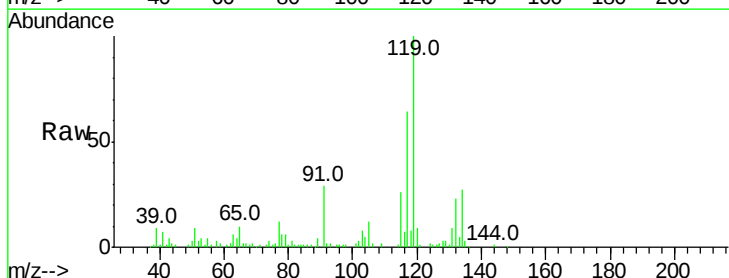
Tgt Ion: 117 Resp: 45956

Ion Ratio Lower Upper

117 100

119 157.2 69.8 104.6#

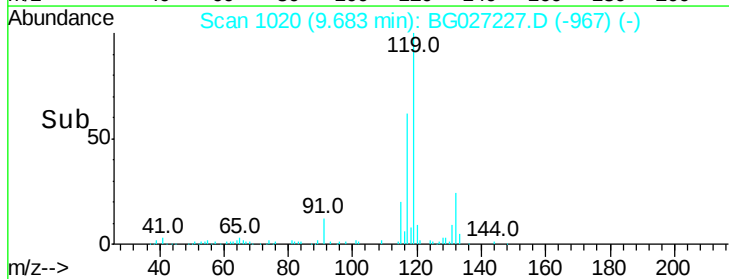
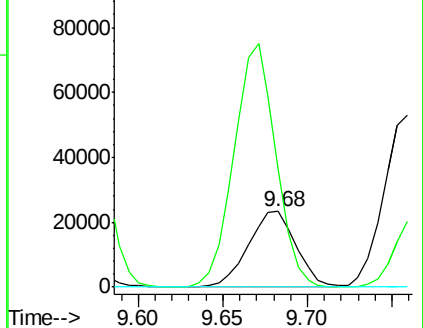
201 0.0 95.4 143.0#

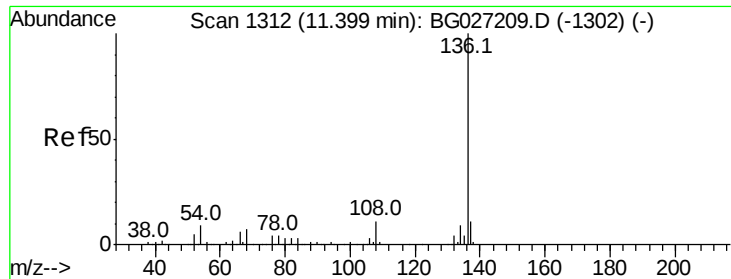


Abundance Ion 117.00 (116.70 to 117.70): BGC

Ion 119.00 (118.70 to 119.70): BGC

Ion 201.00 (200.70 to 201.70): BGC

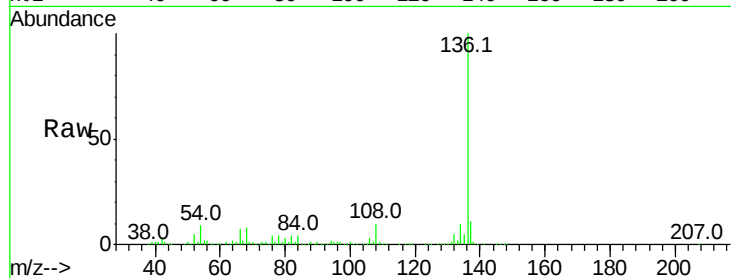




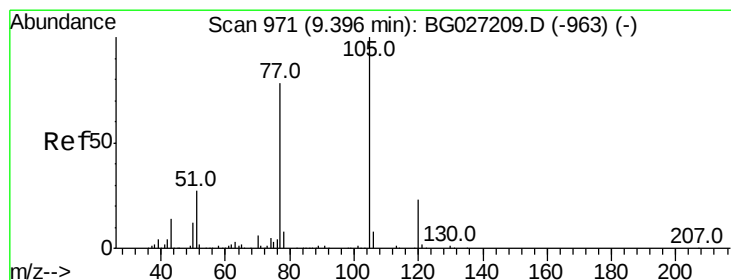
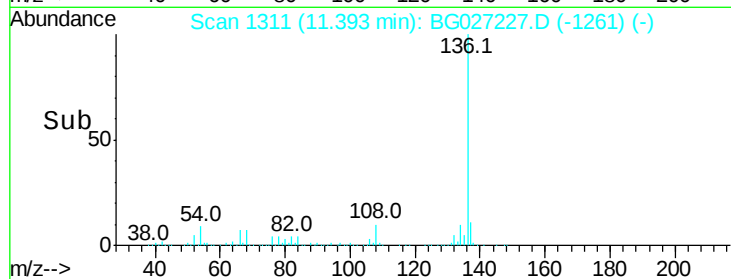
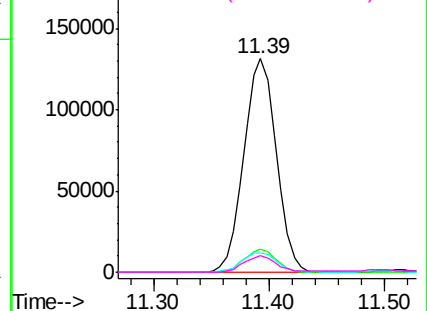
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.39 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Instrument :
BNA_G
ClientSampleId :
S22-0025

Tot Ion:	136	Resp:	255189
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.1	9.3	13.9#
68	7.8	5.1	7.7#

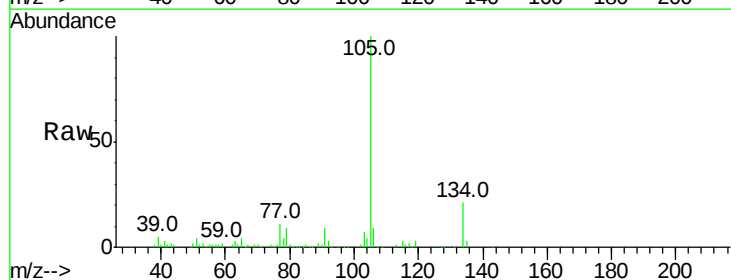


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

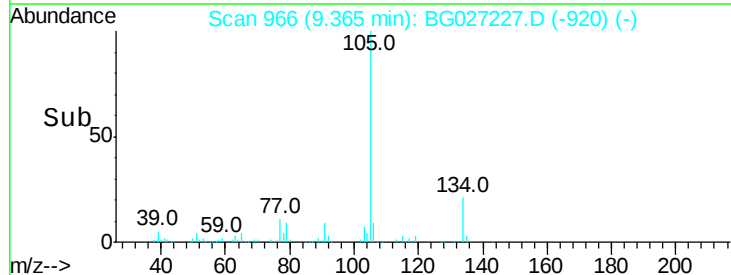
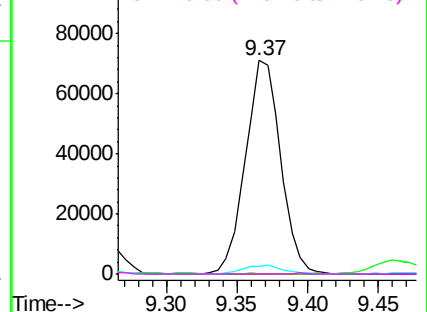


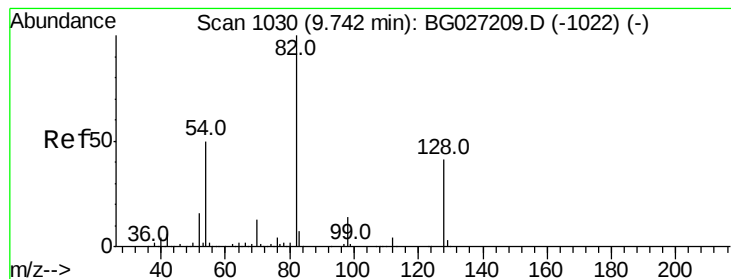
#22
Acetophenone
Concen: 19.02 ng
RT: 9.37 min Scan# 966
Delta R.T. -0.03 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion:	105	Resp:	124111
Ion	Ratio	Lower	Upper
105	100		
71	0.3	0.9	1.3#
51	3.6	34.0	51.0#
120	0.0	17.3	25.9#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 111.31 ng

RT: 9.74 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

Instrument :

BNA_G

ClientSampleId :

S22-0025

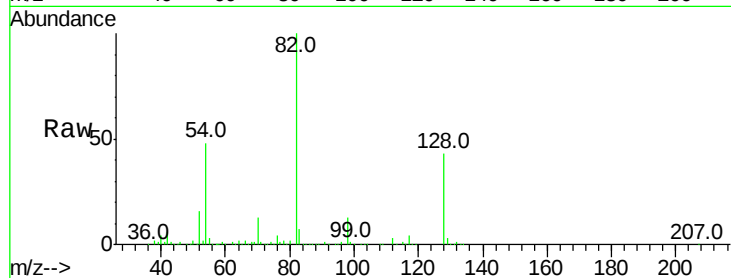
Tot Ion: 82 Resp: 451651

Ion Ratio Lower Upper

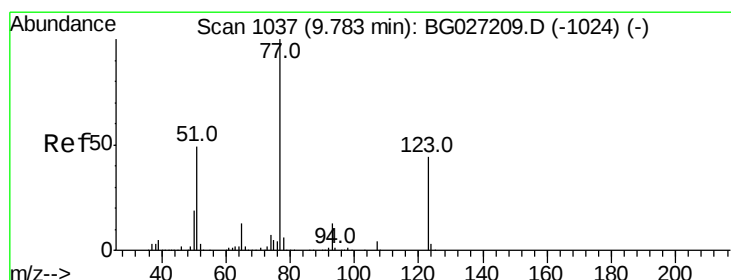
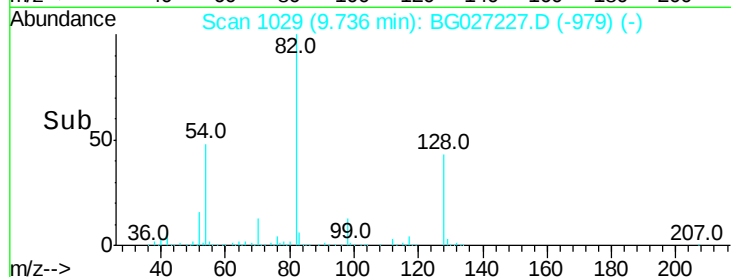
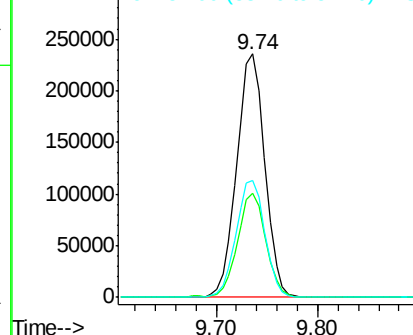
82 100

128 43.0 26.4 39.6#

54 48.1 49.4 74.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 2.04 ng

RT: 9.76 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

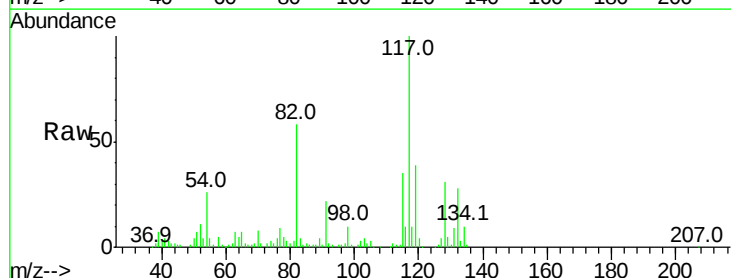
Tgt Ion: 77 Resp: 9419

Ion Ratio Lower Upper

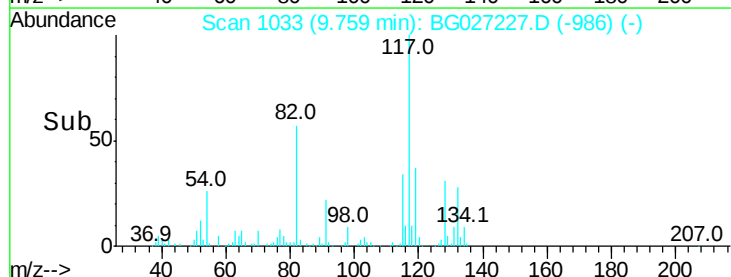
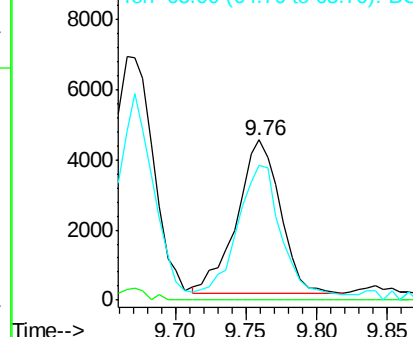
77 100

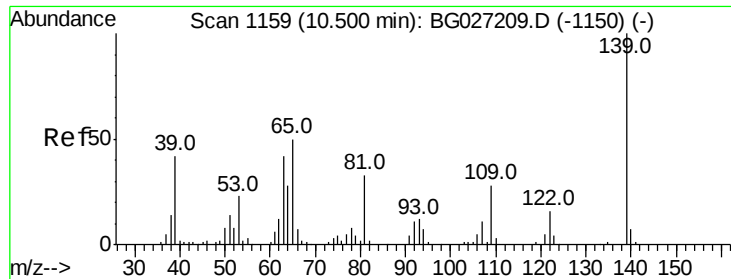
123 0.0 26.1 39.1#

65 84.6 12.4 18.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

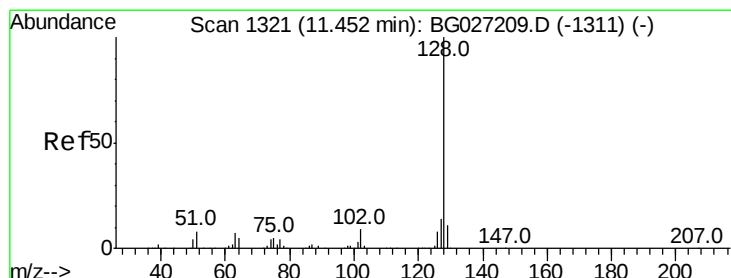
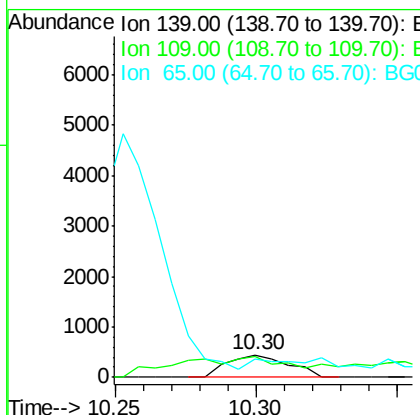
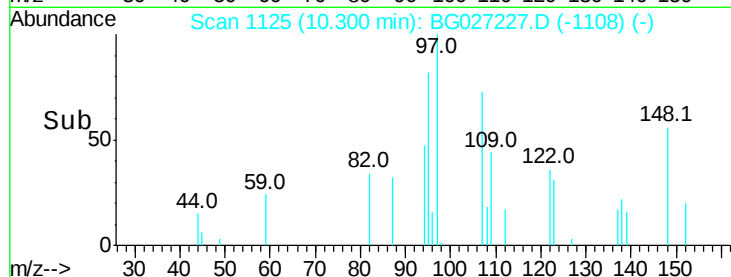
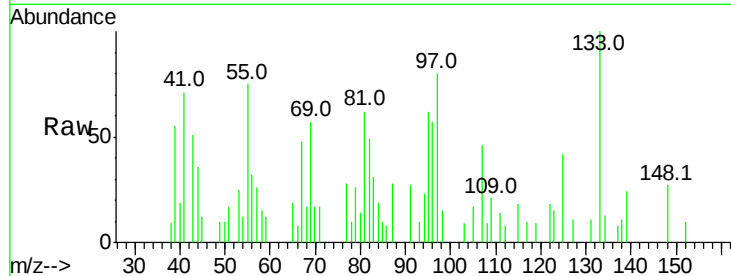




#26
2-Nitrophenol
Concen: 7.49 ng
RT: 10.30 min Scan# 1125
Delta R.T. -0.20 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

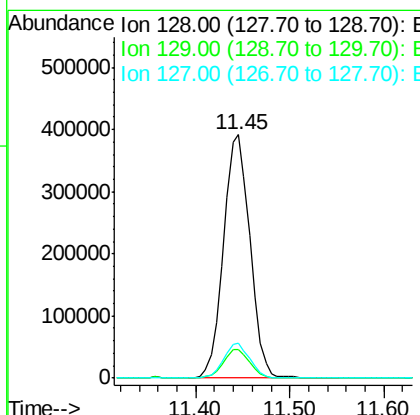
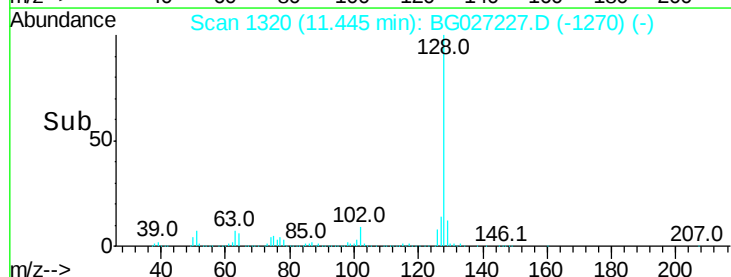
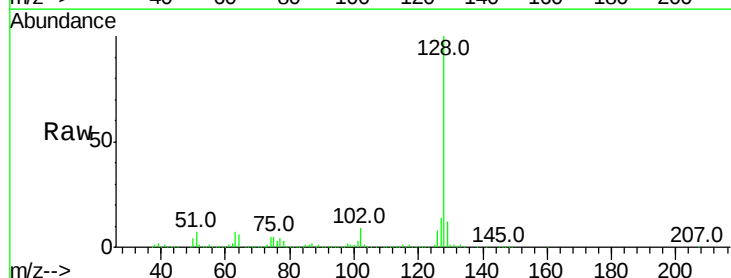
Instrument :
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S22-0025

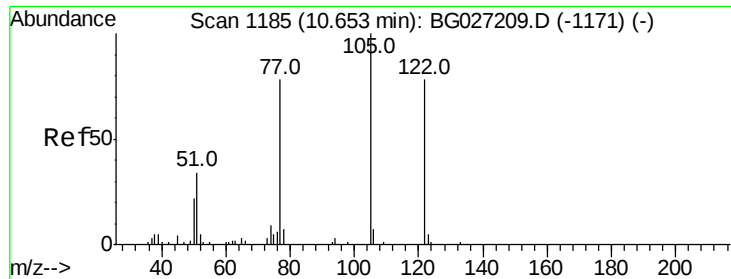
Tot Ion:139 Resp: 673
Ion Ratio Lower Upper
139 100
109 89.8 38.6 58.0#
65 78.6 57.1 85.7



#31
Naphthalene
Concen: 54.82 ng
RT: 11.45 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion:128 Resp: 764553
Ion Ratio Lower Upper
128 100
129 11.8 9.3 13.9
127 14.1 11.4 17.0

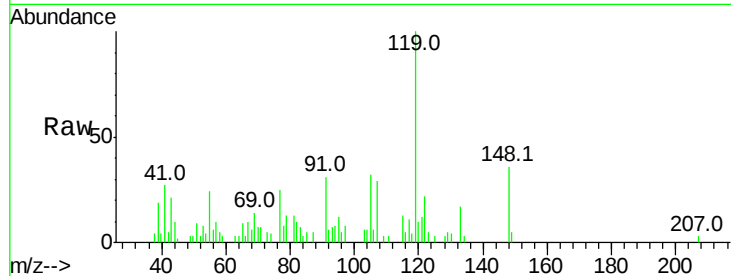




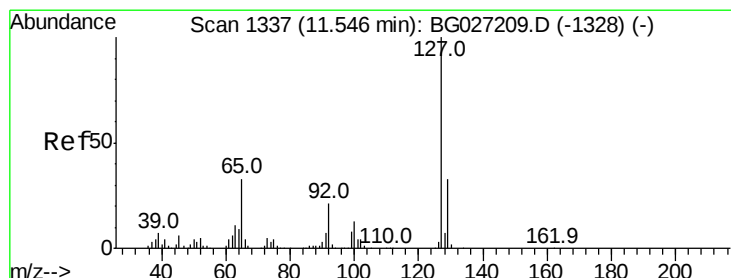
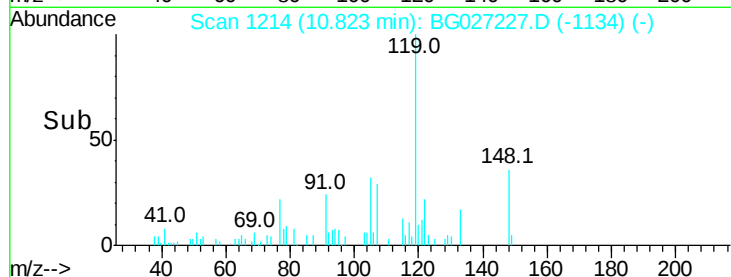
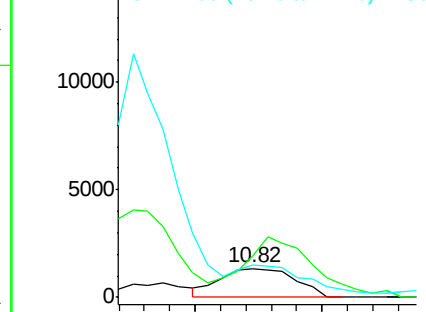
#32
Benzoic acid
Concen: 8.83 ng
RT: 10.82 min Scan# 1214
Delta R.T. 0.17 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Instrument :
BNA_G
ClientSampled :
S22-0025

Tot Ion:122 Resp: 2733
Ion Ratio Lower Upper
122 100
105 144.5 120.1 160.1
77 112.5 104.6 144.6

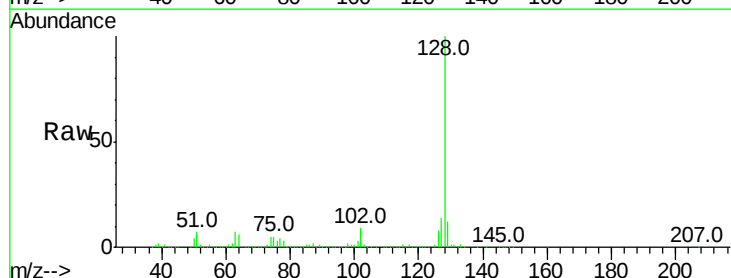


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

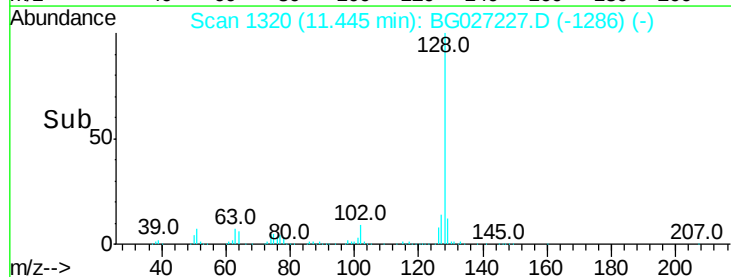
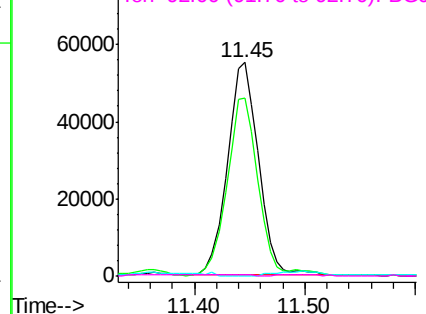


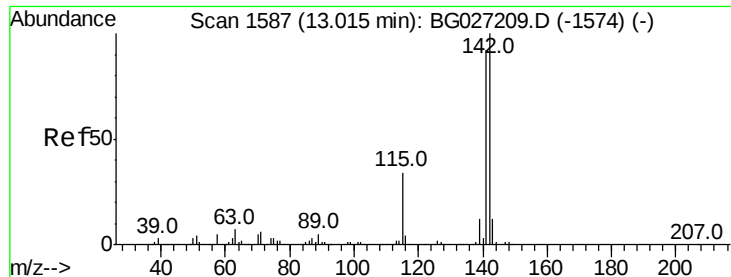
#33
4-Chloroaniline
Concen: 18.62 ng
RT: 11.45 min Scan# 1320
Delta R.T. -0.10 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion:127 Resp: 108213
Ion Ratio Lower Upper
127 100
129 83.1 23.6 35.4#
65 0.0 37.7 56.5#
92 0.4 17.6 26.4#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

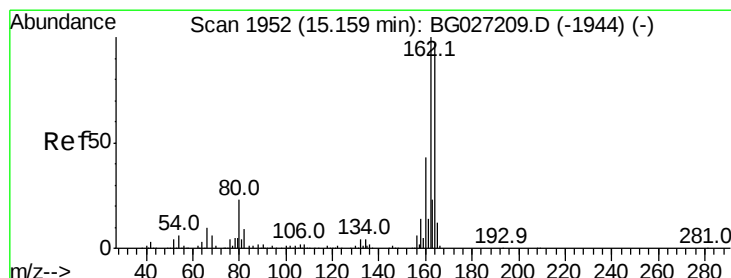
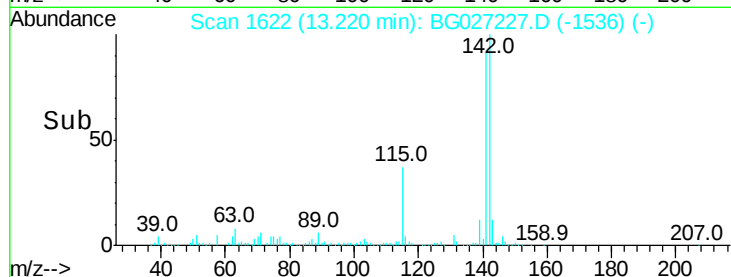
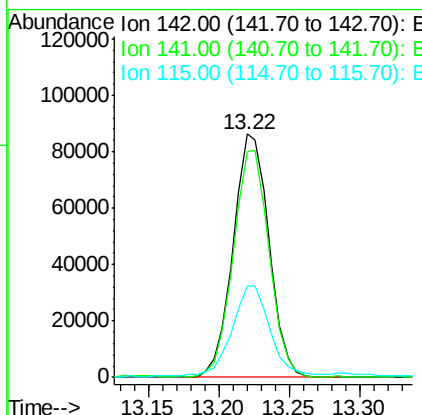
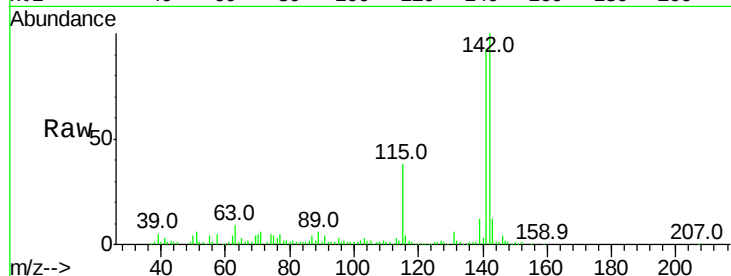




#37
2-Methylnaphthalene
Concen: 15.06 ng
RT: 13.22 min Scan# 1622
Delta R.T. 0.20 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

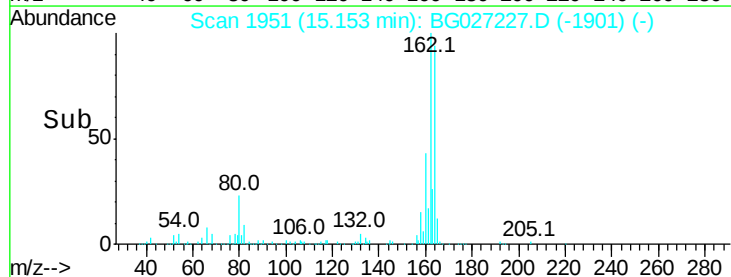
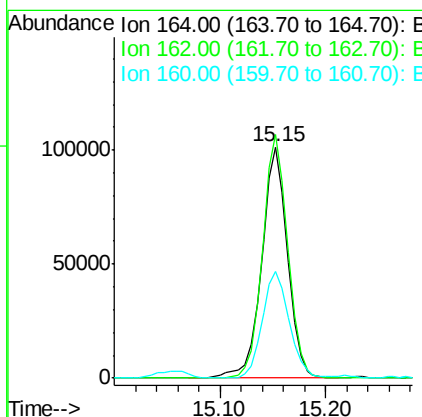
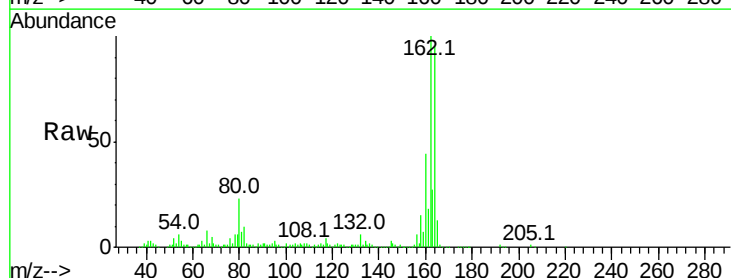
Instrument :
BNA_G
ClientSampleId :
S22-0025

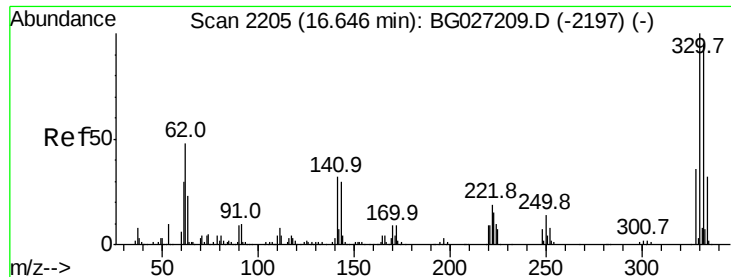
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.4	105.6
115	37.6	35.5	53.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.15 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	85.1	127.7
160	46.4	34.7	52.1

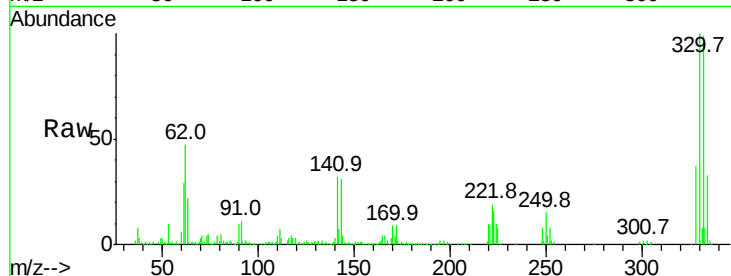




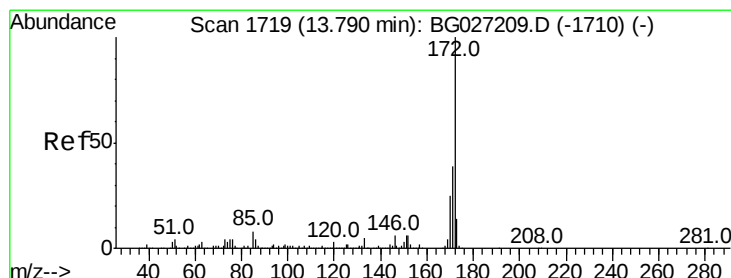
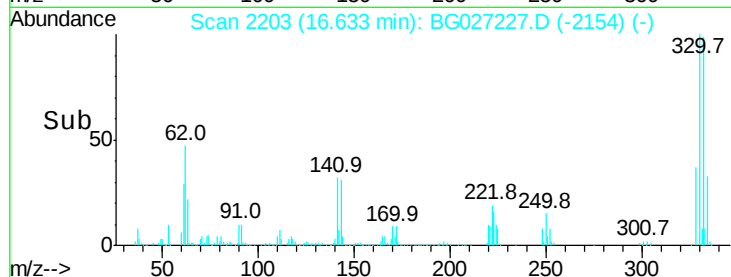
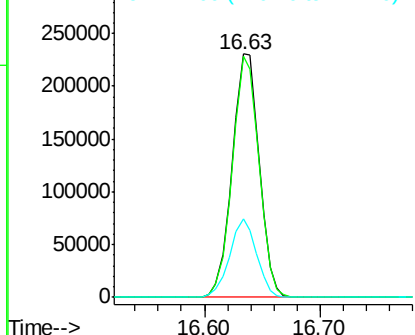
#41
 2,4,6-Tribromophenol
 Concen: 168.30 ng
 RT: 16.63 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG027227.D
 Acq: 6 Jun 2017 00:29

Instrument :
 BNA_G
 ClientSampleId :
 S22-0025

Tot Ion:330 Resp: 375423
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 31.7 32.1 48.1#

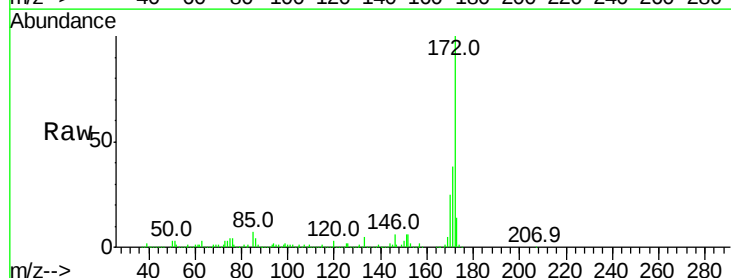


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

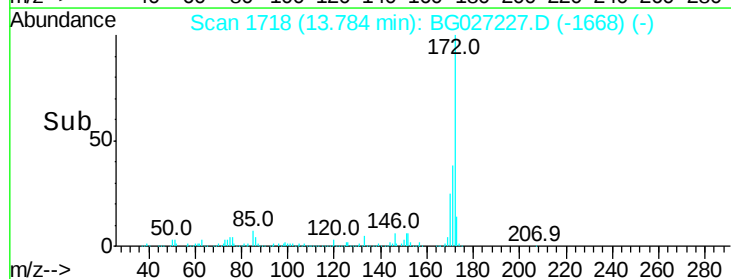
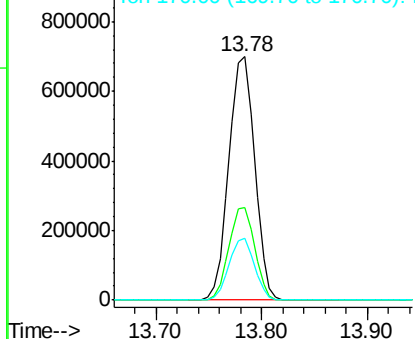


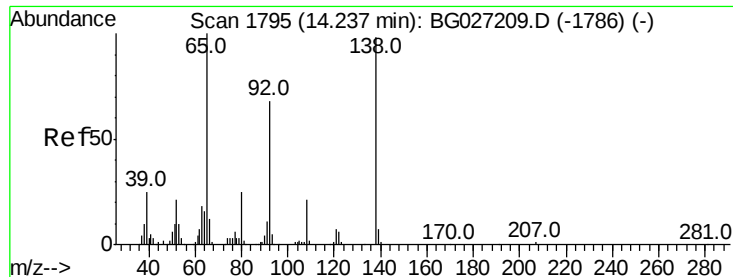
#44
 2-Fluorobiphenyl
 Concen: 97.36 ng
 RT: 13.78 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG027227.D
 Acq: 6 Jun 2017 00:29

Tgt Ion:172 Resp: 1178899
 Ion Ratio Lower Upper
 172 100
 171 37.8 32.2 48.2
 170 25.2 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: 7.19 ng

RT: 14.19 min Scan# 1787

Delta R.T. -0.05 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

Instrument :

BNA_G

ClientSampleId :

S22-0025

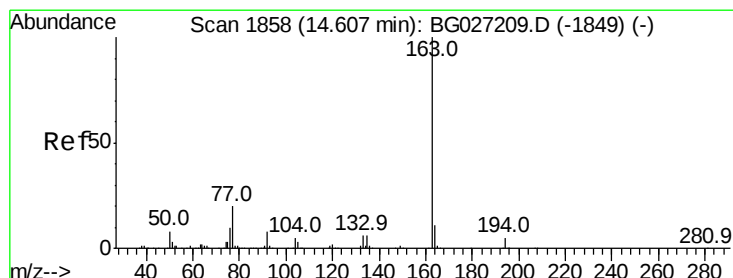
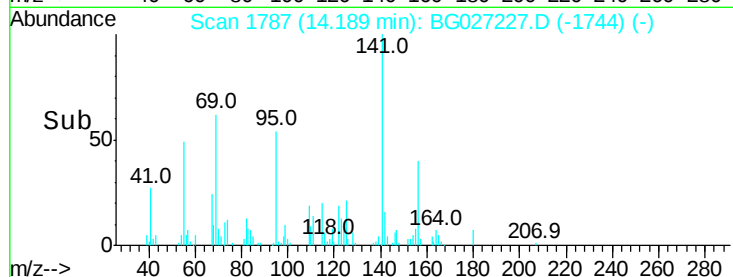
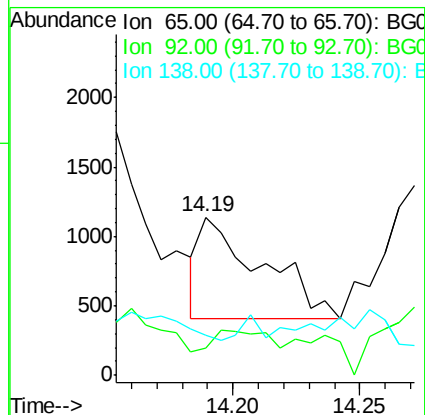
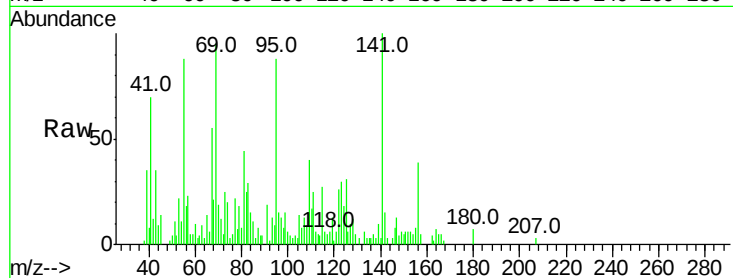
Tot Ion: 65 Resp: 1231

Ion Ratio Lower Upper

65 100

92 16.9 49.0 73.4#

138 24.9 58.6 87.8#



#49

Dimethylphthalate

Concen: 12.60 ng

RT: 14.59 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

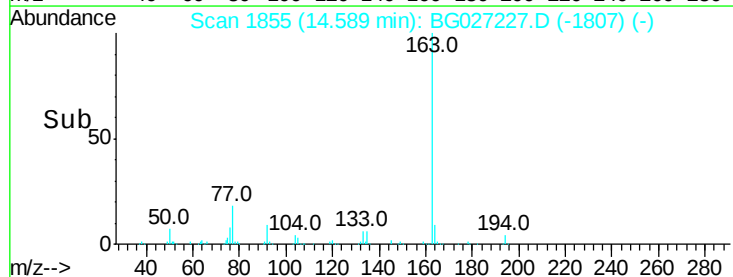
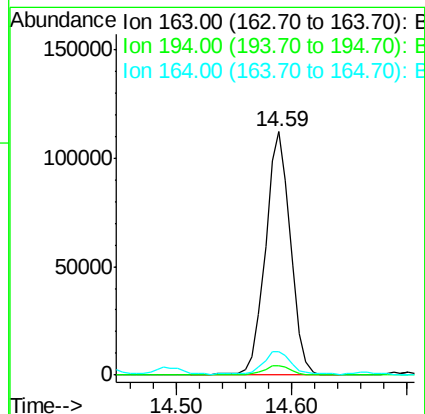
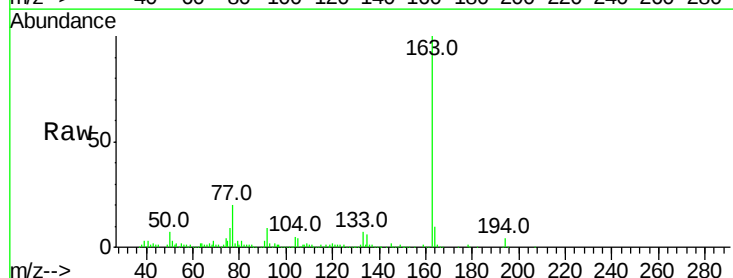
Tgt Ion: 163 Resp: 169367

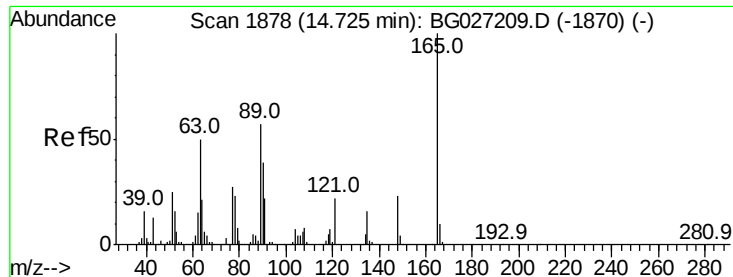
Ion Ratio Lower Upper

163 100

194 4.1 3.8 5.6

164 9.9 9.3 13.9





#50

2,6-Dinitrotoluene

Concen: 6.68 ng

RT: 14.77 min Scan# 1885

Delta R.T. 0.04 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

Instrument :

BNA_G

ClientSampleId :

S22-0025

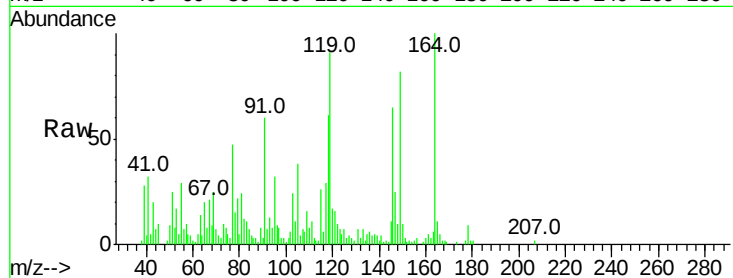
Tot Ion:165 Resp: 3293

Ion Ratio Lower Upper

165 100

63 131.4 63.9 95.9#

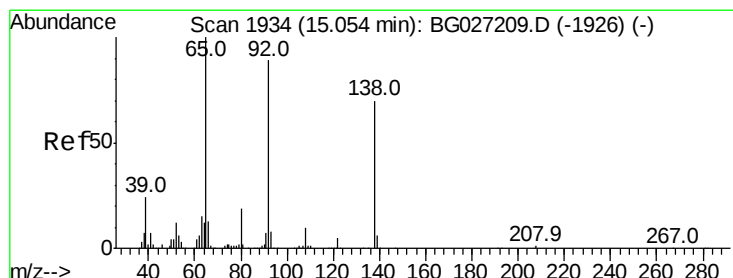
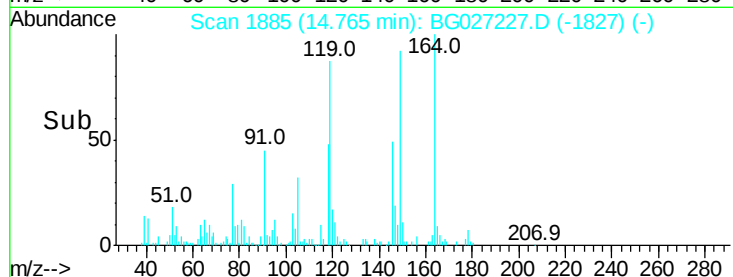
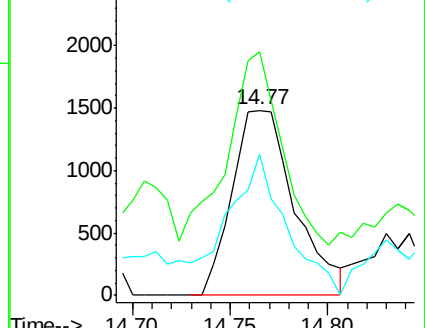
89 76.4 58.6 88.0



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



#52

3-Nitroaniline

Concen: 5.78 ng

RT: 15.02 min Scan# 1929

Delta R.T. -0.03 min

Lab File: BG027227.D

Acq: 6 Jun 2017 00:29

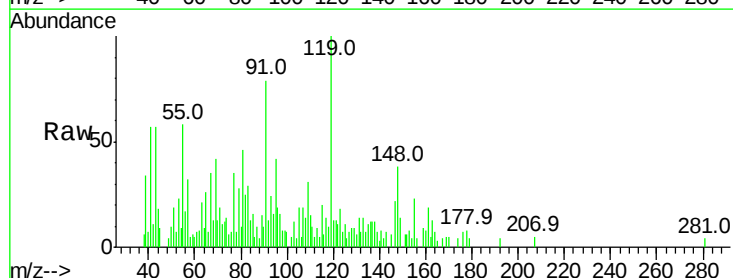
Tgt Ion:138 Resp: 220

Ion Ratio Lower Upper

138 100

108 120.9 10.9 16.3#

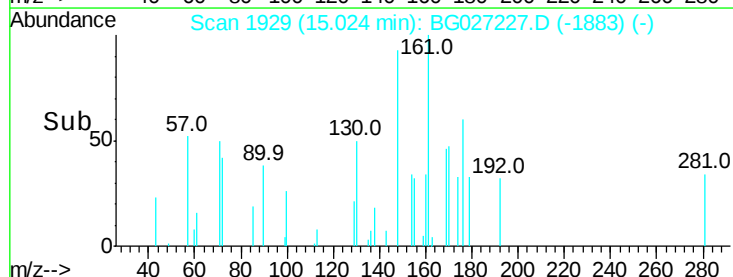
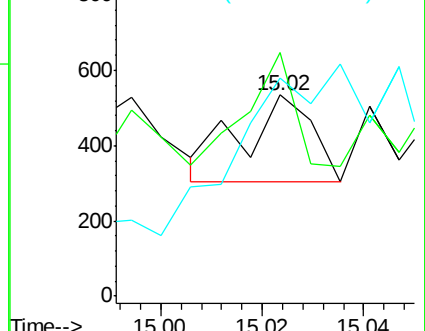
92 108.0 115.3 172.9#

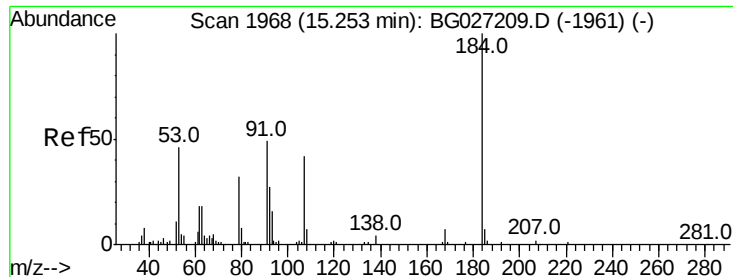


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

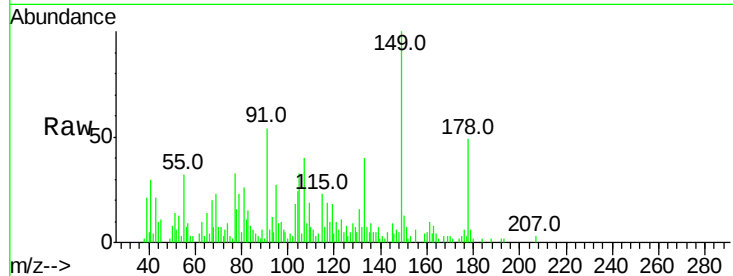




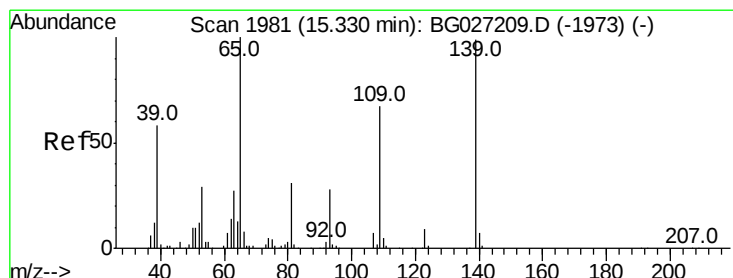
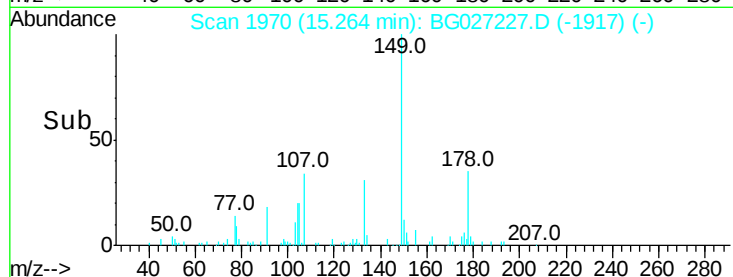
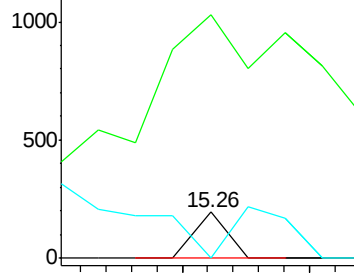
#53
2,4-Dinitrophenol
Concen: 4.70 ng
RT: 15.26 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Instrument :
BNA_G
ClientSampled :
S22-0025

Tot Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 527.7 52.7 79.1#
154 0.0 57.3 85.9#

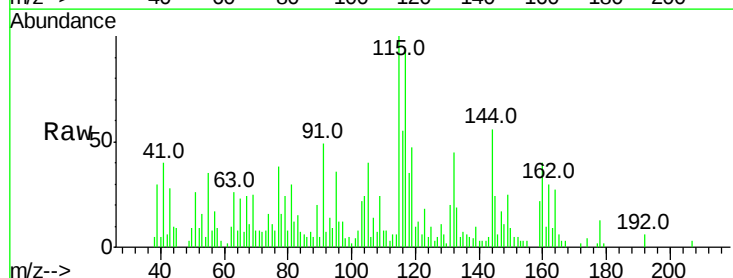


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

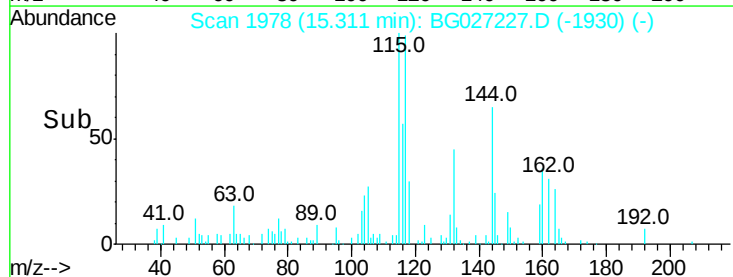
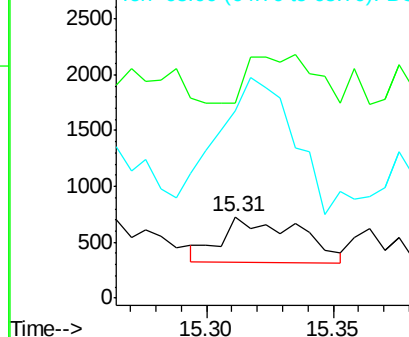


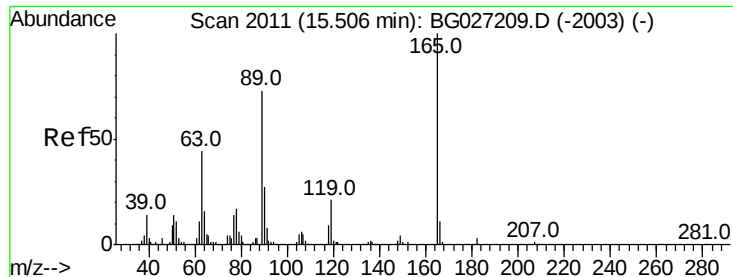
#55
4-Nitrophenol
Concen: 6.44 ng
RT: 15.31 min Scan# 1978
Delta R.T. -0.02 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion:139 Resp: 856
Ion Ratio Lower Upper
139 100
109 238.5 101.2 141.2#
65 229.7 135.3 175.3#



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

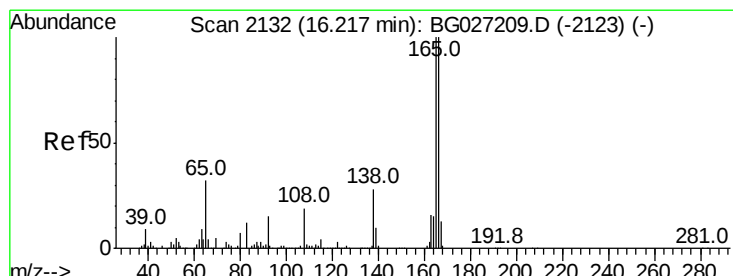
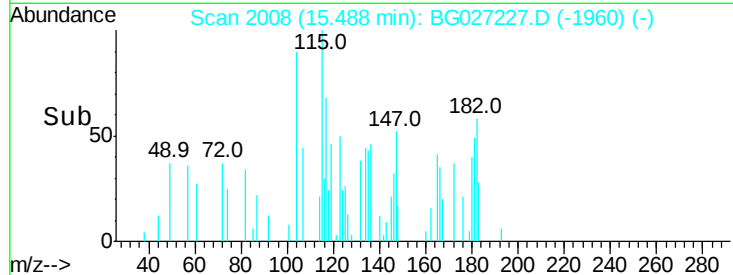
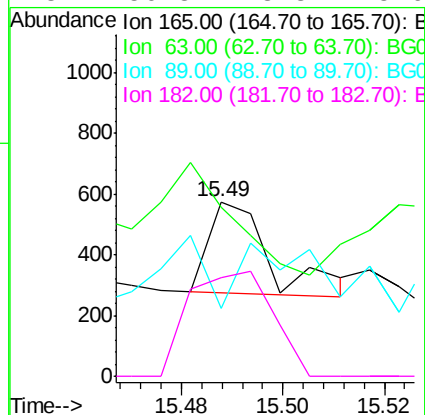
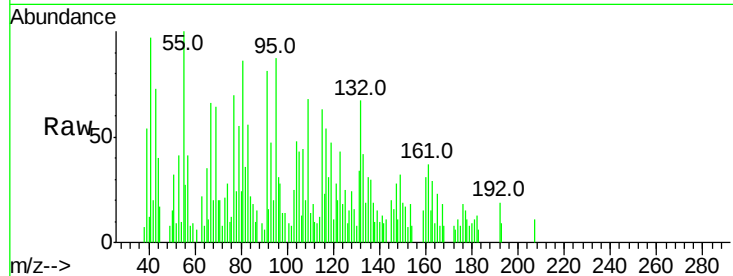




#56
2,4-Dinitrotoluene
Concen: 7.05 ng
RT: 15.49 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

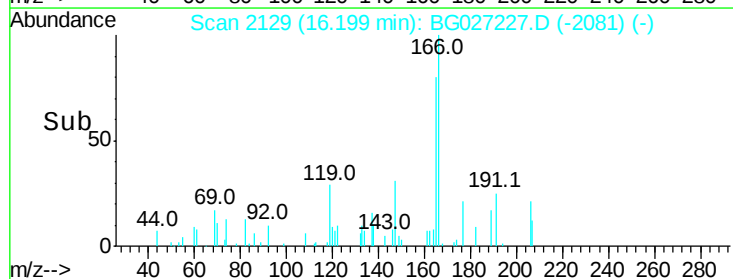
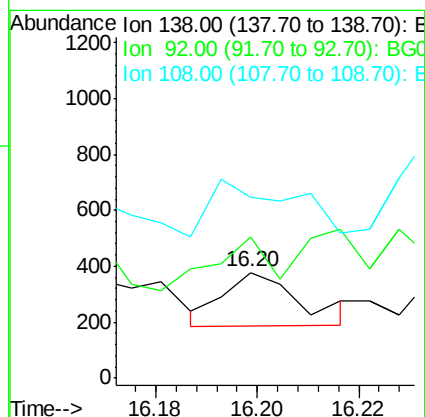
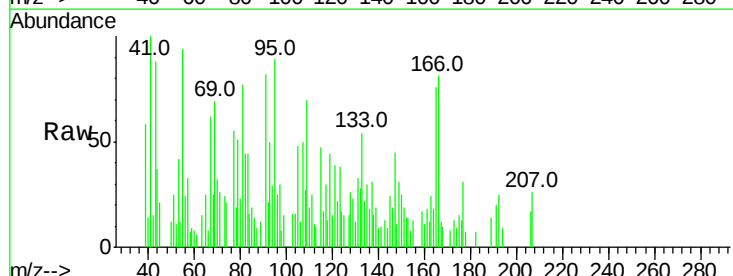
Instrument :
BNA_G
ClientSampleId :
S22-0025

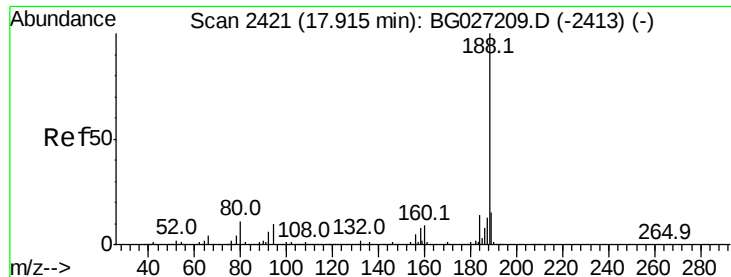
Tot Ion:165 Resp: 250
Ion Ratio Lower Upper
165 100
63 97.0 44.0 66.0#
89 39.2 67.3 100.9#
182 56.8 3.8 5.6#



#61
4-Nitroaniline
Concen: 5.96 ng
RT: 16.20 min Scan# 2129
Delta R.T. -0.02 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion:138 Resp: 201
Ion Ratio Lower Upper
138 100
92 133.9 44.2 84.2#
108 171.7 104.8 144.8#

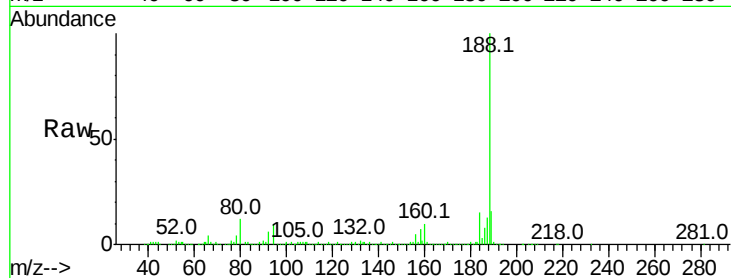




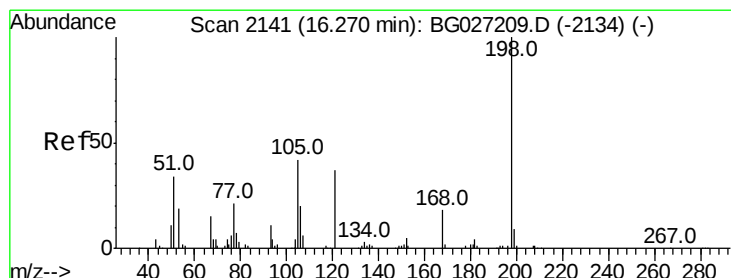
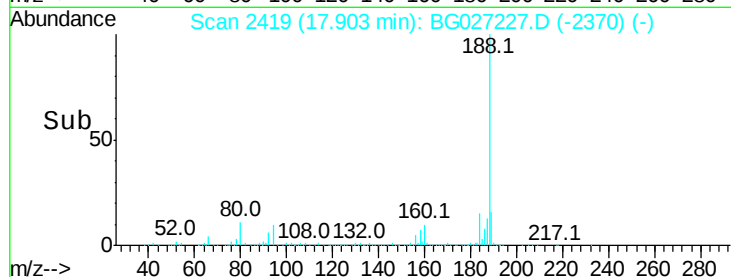
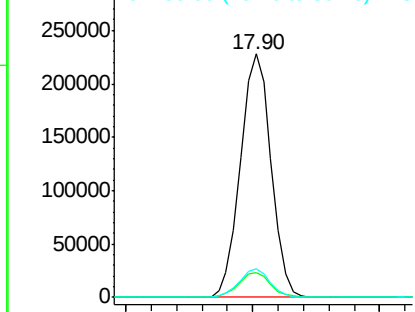
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.90 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Instrument :
BNA_G
ClientSampleId :
S22-0025

Tot Ion:188 Resp: 381528
Ion Ratio Lower Upper
188 100
94 9.9 5.8 8.8#
80 11.6 7.5 11.3#

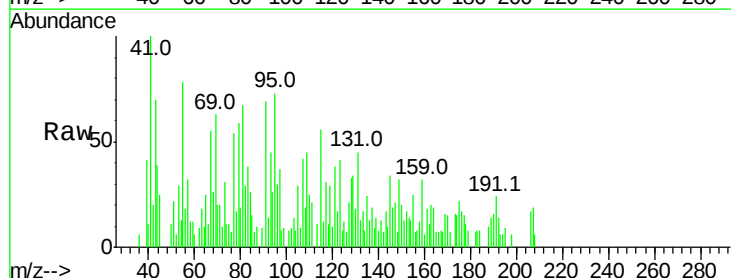


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

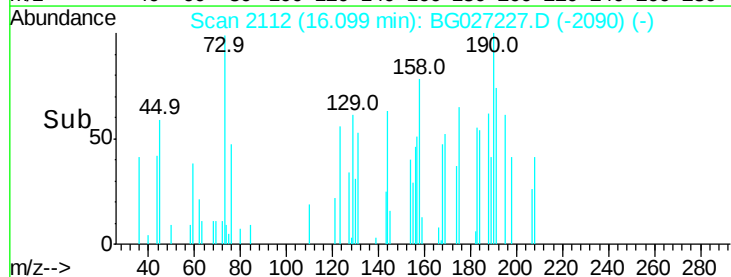
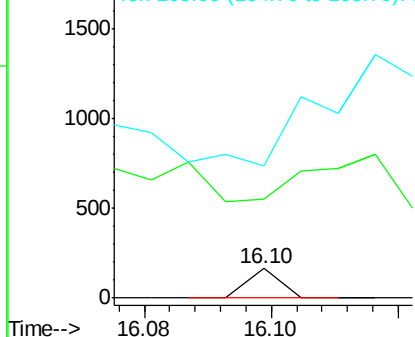


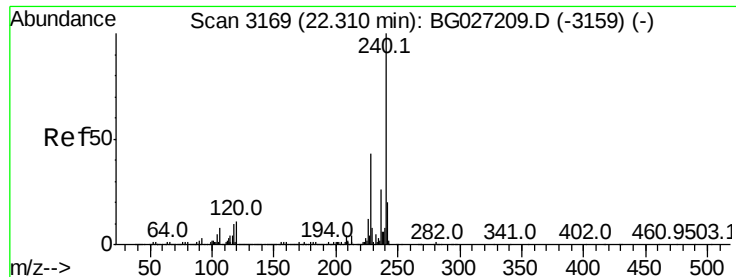
#64
4,6-Dinitro-2-methylphenol
Concen: 5.05 ng
RT: 16.10 min Scan# 2112
Delta R.T. -0.17 min
Lab File: BG027227.D
Acq: 6 Jun 2017 00:29

Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 336.8 22.6 62.6#
105 451.5 14.4 54.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

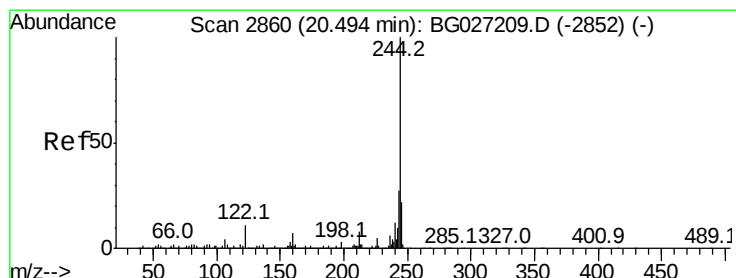
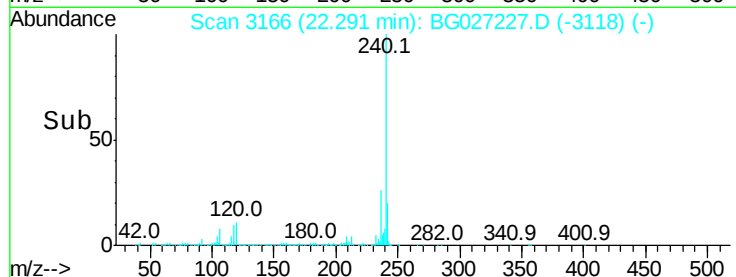
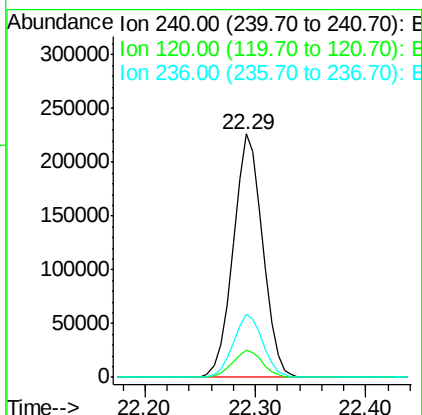
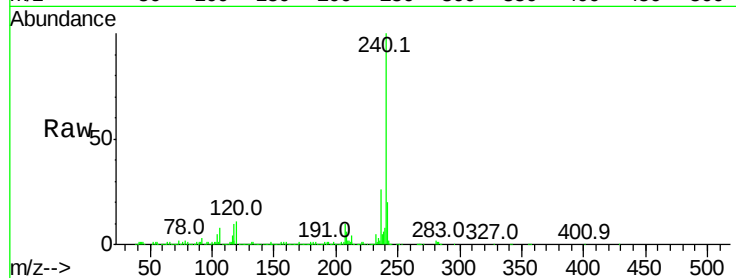




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.29 min Scan# 3166
 Delta R.T. -0.02 min
 Lab File: BG027227.D
 Acq: 6 Jun 2017 00:29

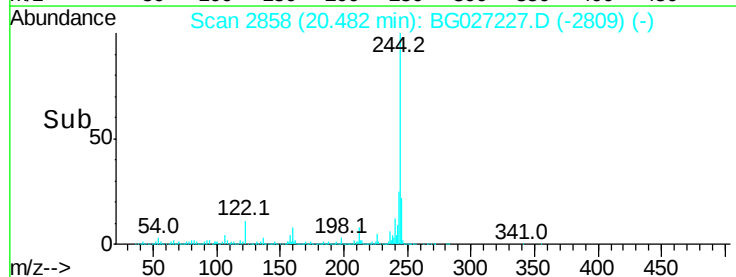
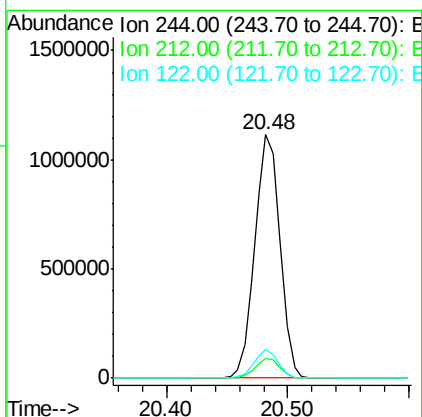
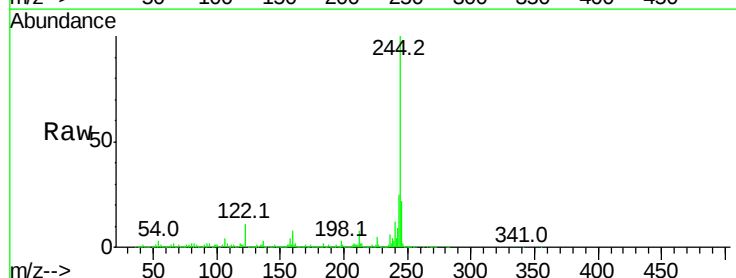
Instrument :
 BNA_G
 ClientSampleId :
 S22-0025

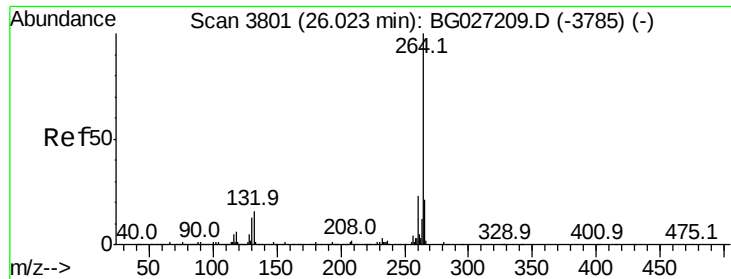
Tot Ion:240 Resp: 422402
 Ion Ratio Lower Upper
 240 100
 120 11.2 5.7 8.5#
 236 25.9 22.2 33.4



#78
 Terphenyl-d14
 Concen: 97.36 ng
 RT: 20.48 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG027227.D
 Acq: 6 Jun 2017 00:29

Tgt Ion:244 Resp: 1612170
 Ion Ratio Lower Upper
 244 100
 212 8.1 10.0 15.0#
 122 11.5 8.6 12.8

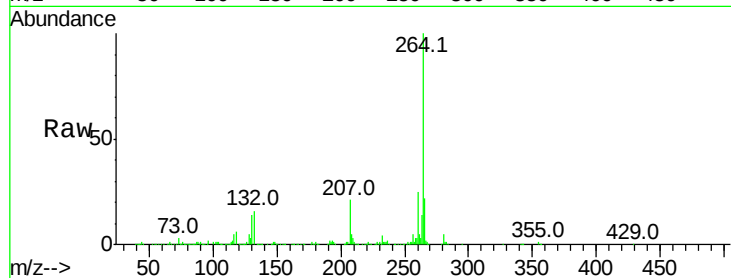




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.00 min Scan# 3797
 Delta R.T. -0.02 min
 Lab File: BG027227.D
 Acq: 6 Jun 2017 00:29

Instrument :
 BNA_G
 ClientSampleId :
 S22-0025

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.8	32.8
265	22.2	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

