

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
 Data File : BG027232.D
 Acq On : 6 Jun 2017 3:46
 Operator : SJ/MA
 Sample : I3393-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 06 06:02:54 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	62235	20.00	ng	0.00
21) Naphthalene-d8	11.39	136	295231	20.00	ng	0.00
38) Acenaphthene-d10	15.15	164	184937	20.00	ng	0.00
63) Phenanthrene-d10	17.90	188	408616	20.00	ng	-0.01
75) Chrysene-d12	22.29	240	437431	20.00	ng	-0.02
86) Perylene-d12	26.00	264	417868	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	320505	78.59	ng	0.00
7) Phenol-d6	7.72	99	307424	51.35	ng	0.02
23) Nitrobenzene-d5	9.74	82	500933	106.71	ng	0.00
41) 2,4,6-Tribromophenol	16.64	330	376327	154.53	ng	0.00
44) 2-Fluorobiphenyl	13.78	172	1189887	90.01	ng	0.00
78) Terphenyl-d14	20.48	244	1403426	81.84	ng	-0.01

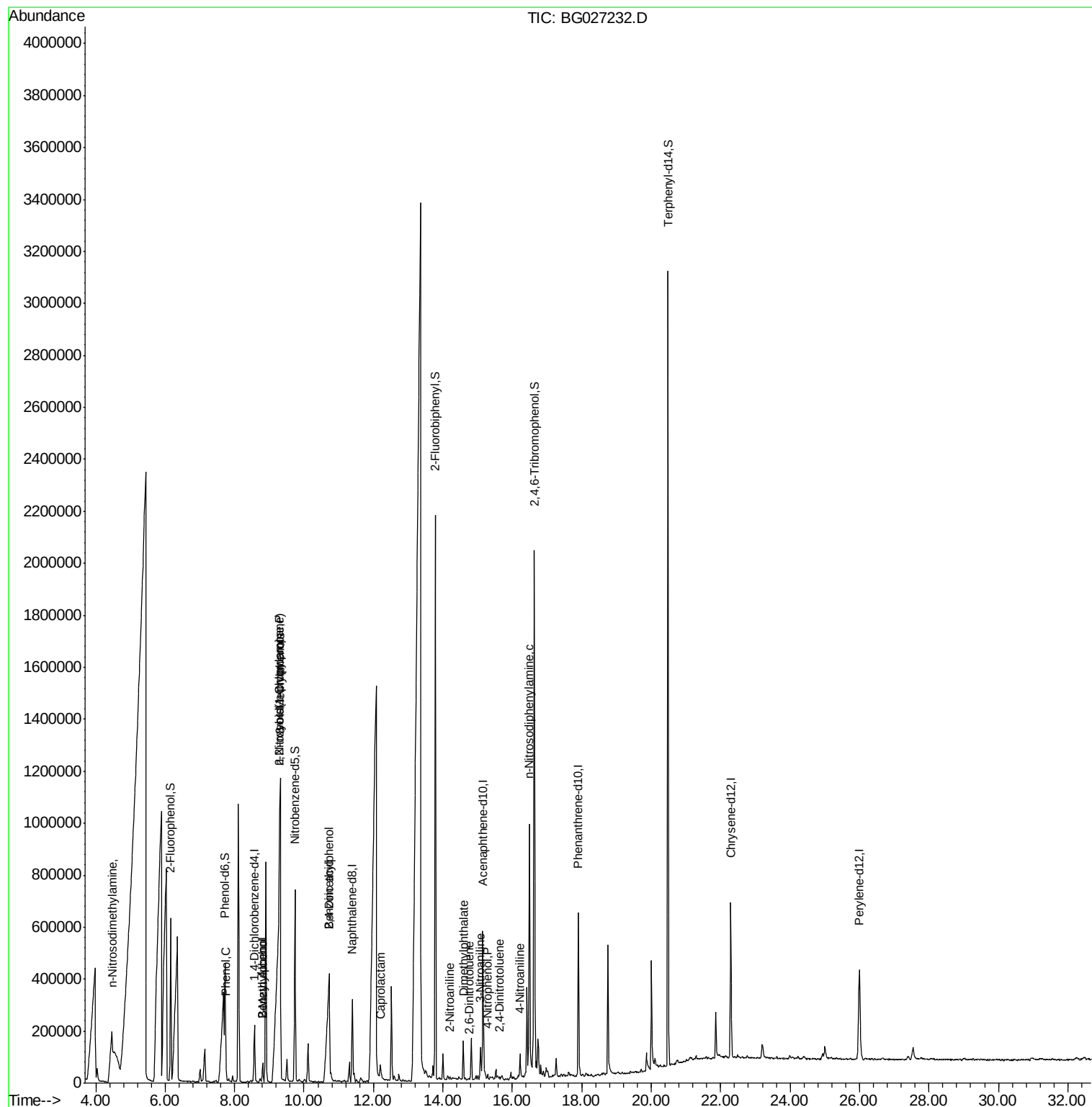
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.47	42	46308	23.99	ng	# 15
10) Phenol	7.75	94	56980	9.31	ng	77
15) Benzyl Alcohol	8.81	79	27515	6.52	ng	# 86
16) 2,2'-oxybis(1-Chloropropan	9.29	45	146709	20.41	ng	# 1
17) 2-Methylphenol	8.81	107	15900	3.67	ng	# 34
19) n-Nitroso-di-n-propylamine	9.29	70	118993	28.41	ng	# 62
20) 3+4-Methylphenols	9.31	107	609237	101.63	ng	80
27) 2,4-Dimethylphenol	10.72	122	361011	76.06	ng	# 1
32) Benzoic acid	10.72	122	361011	99.61	ng	# 82
35) Caprolactam	12.19	113	5305	3.57	ng	# 40
47) 2-Nitroaniline	14.20	65	488	6.96	ng	# 1
49) Dimethylphthalate	14.59	163	101935	6.95	ng	97
50) 2,6-Dinitrotoluene	14.76	165	81	5.64	ng	# 50
52) 3-Nitroaniline	15.08	138	256	5.79	ng	# 1
55) 4-Nitrophenol	15.29	139	3495	7.29	ng	# 3
56) 2,4-Dinitrotoluene	15.63	165	59	7.00	ng	# 16
61) 4-Nitroaniline	16.21	138	57	5.91	ng	# 1
65) n-Nitrosodiphenylamine	16.49	169	29446	2.30	ng	# 25

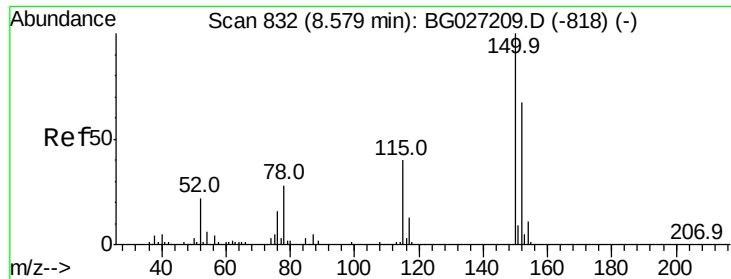
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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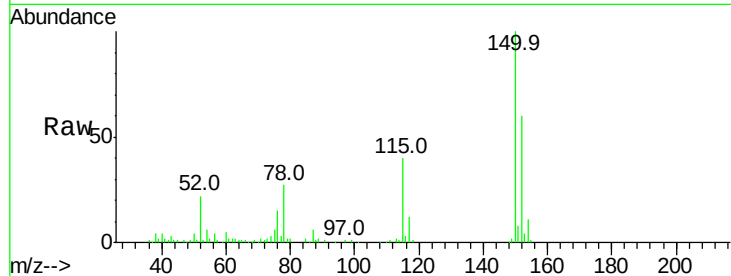


#1

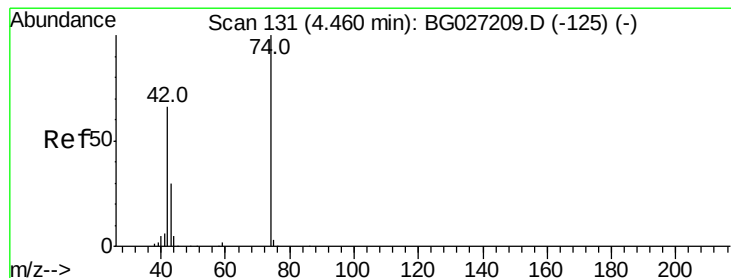
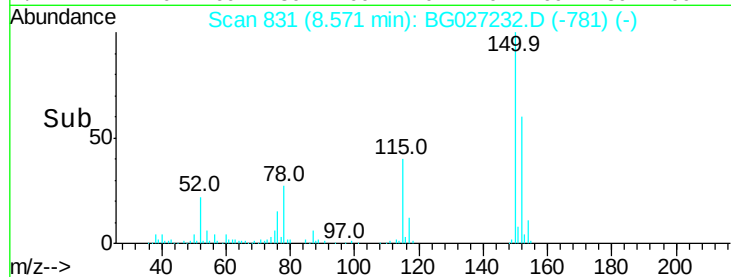
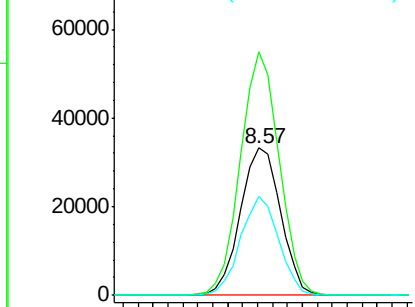
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.57 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 62235
Ion Ratio Lower Upper
152 100
150 165.6 114.0 171.0
115 66.9 48.1 72.1



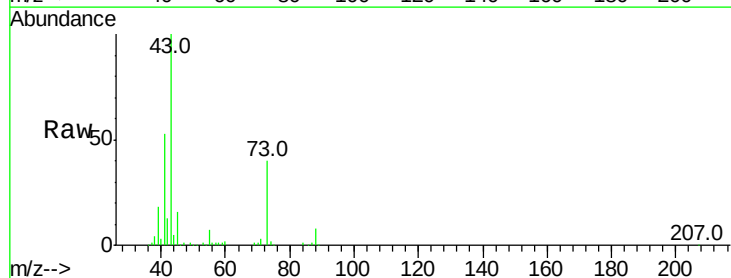
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



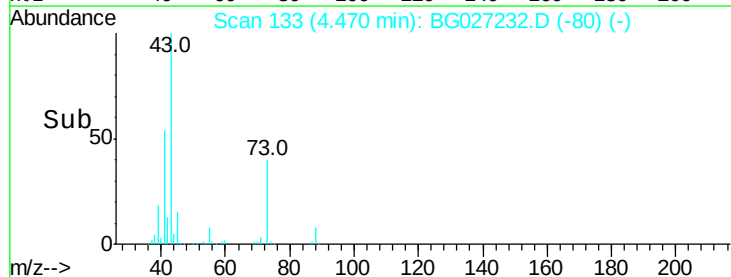
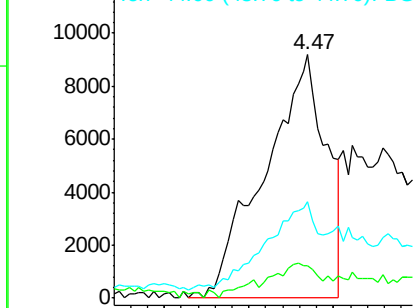
#4

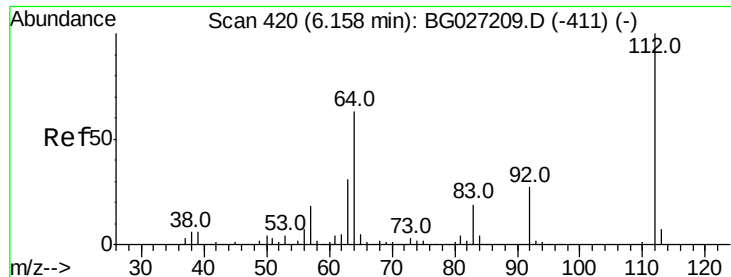
n-Nitrosodimethylamine
Concen: 23.99 ng
RT: 4.47 min Scan# 133
Delta R.T. 0.01 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

Tgt Ion: 42 Resp: 46308
Ion Ratio Lower Upper
42 100
74 13.3 76.7 115.1#
44 39.4 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 78.59 ng

RT: 6.16 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Instrument :

BNA_G

ClientSampleId :

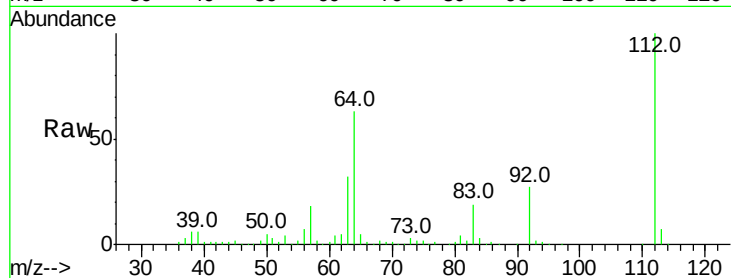
Tot Ion:112 Resp: 320505

Ion Ratio Lower Upper

112 100

64 63.4 61.8 92.6

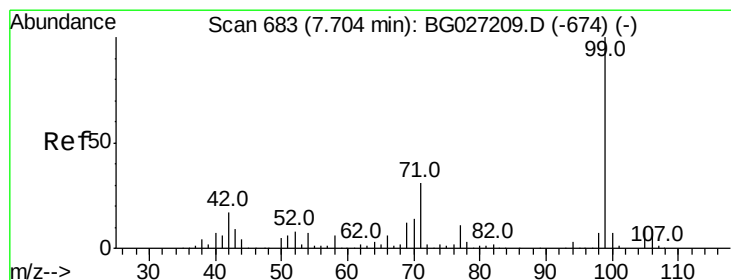
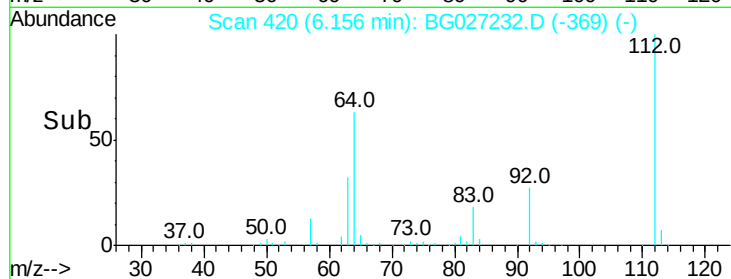
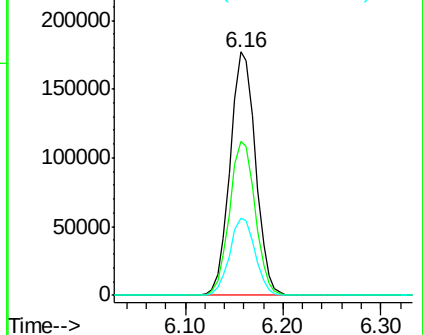
63 31.9 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 51.35 ng

RT: 7.72 min Scan# 686

Delta R.T. 0.02 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

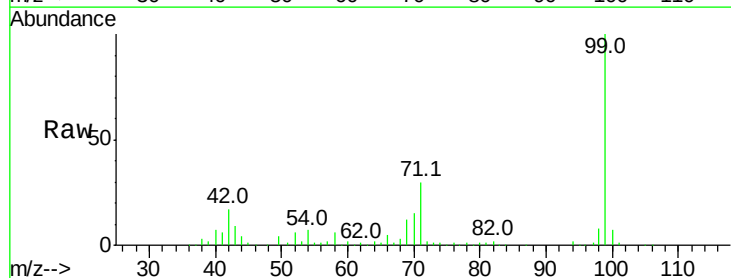
Tgt Ion: 99 Resp: 307424

Ion Ratio Lower Upper

99 100

42 16.7 20.5 30.7#

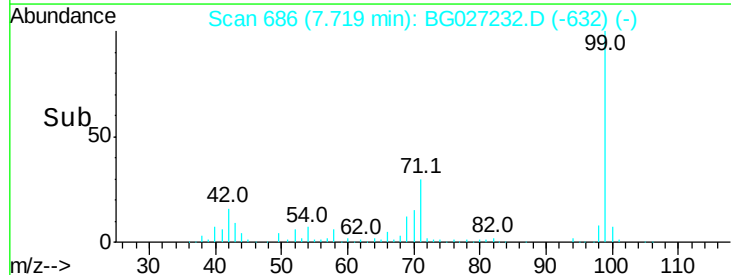
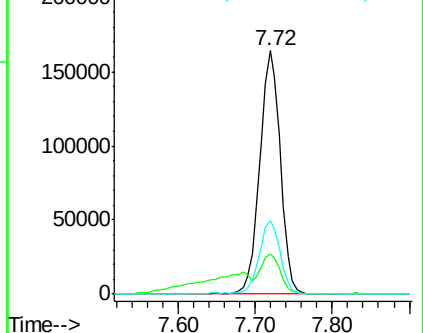
71 30.3 37.6 56.4#

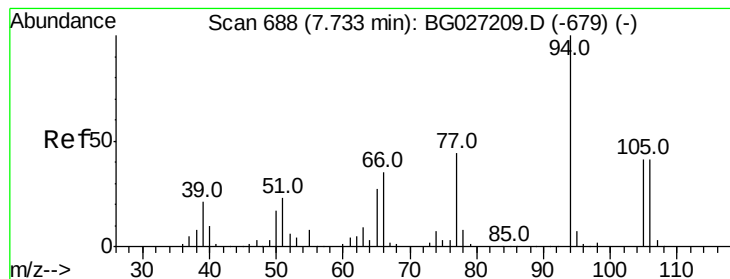


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 9.31 ng

RT: 7.75 min Scan# 691

Delta R.T. 0.02 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Instrument :

BNA_G

ClientSampled :

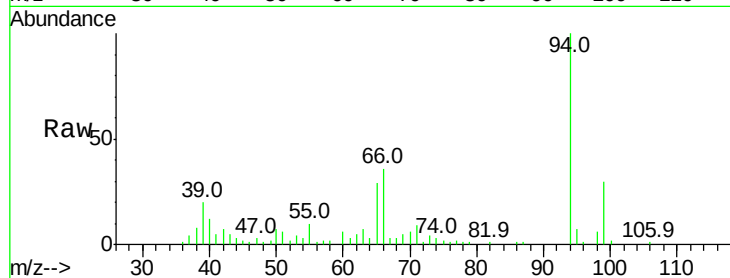
Tot Ion: 94 Resp: 56980

Ion Ratio Lower Upper

94 100

65 28.6 20.6 60.6

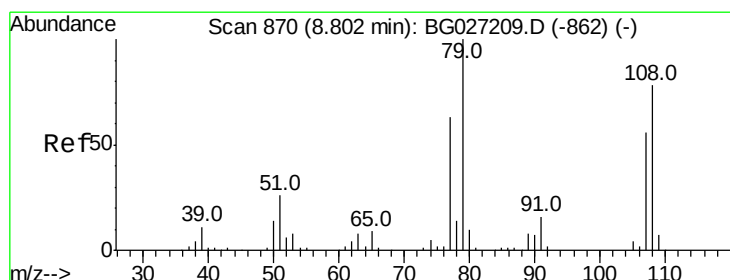
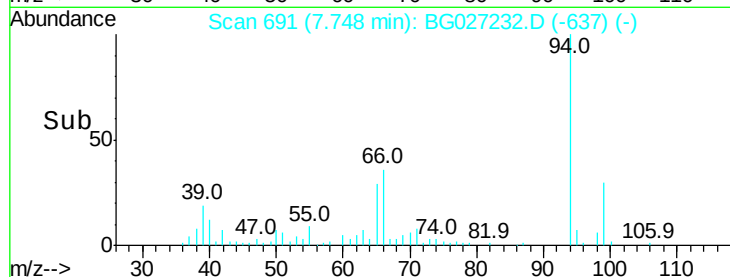
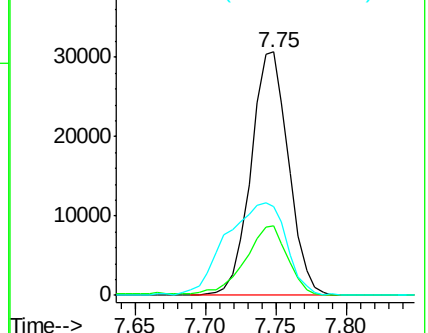
66 36.3 35.5 75.5



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: 6.52 ng

RT: 8.81 min Scan# 871

Delta R.T. 0.00 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

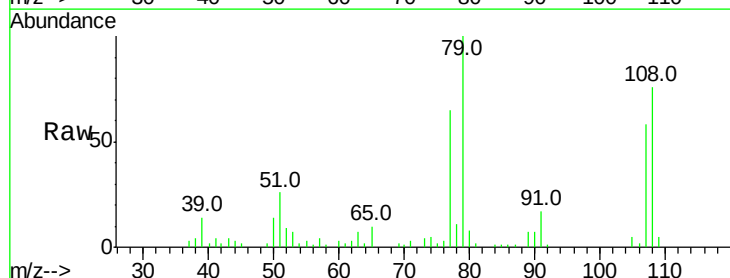
Tgt Ion: 79 Resp: 27515

Ion Ratio Lower Upper

79 100

108 76.1 45.5 68.3#

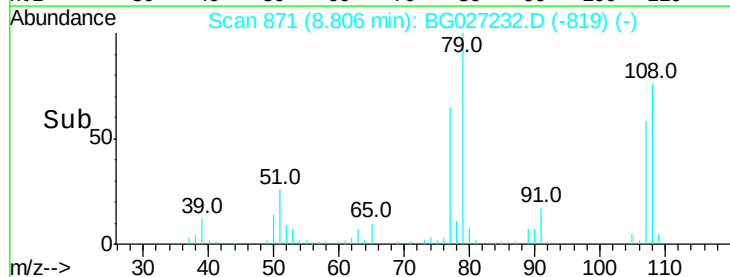
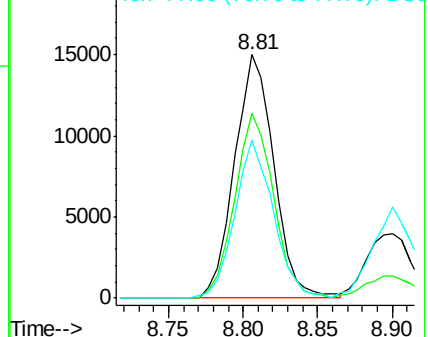
77 64.6 54.3 81.5

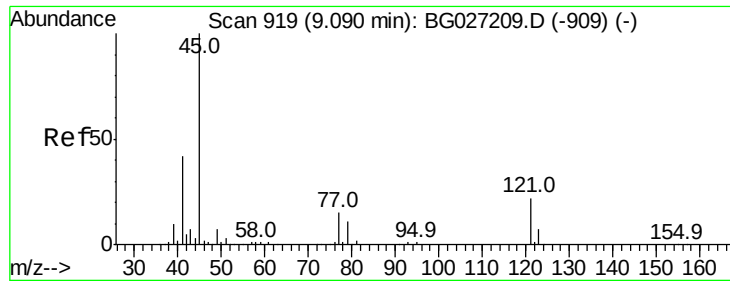


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

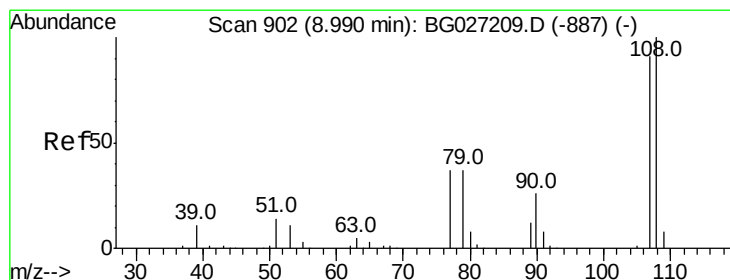
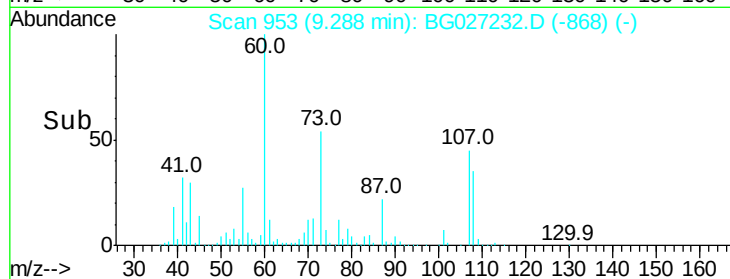
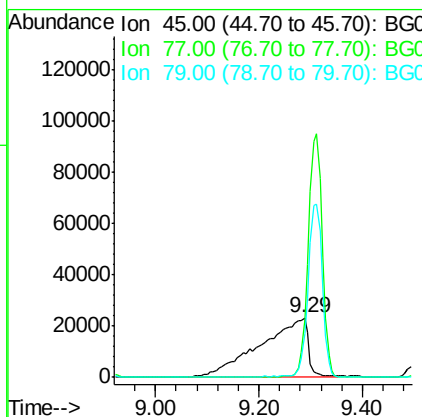
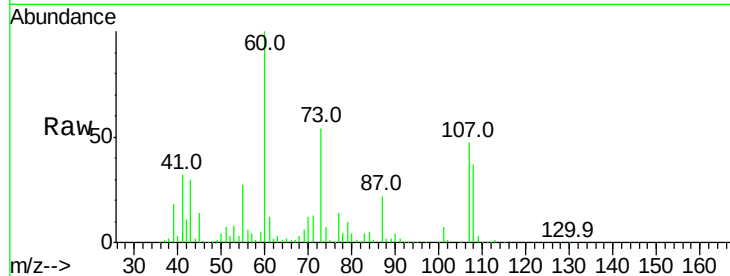




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 20.41 ng
RT: 9.29 min Scan# 953
Delta R.T. 0.20 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

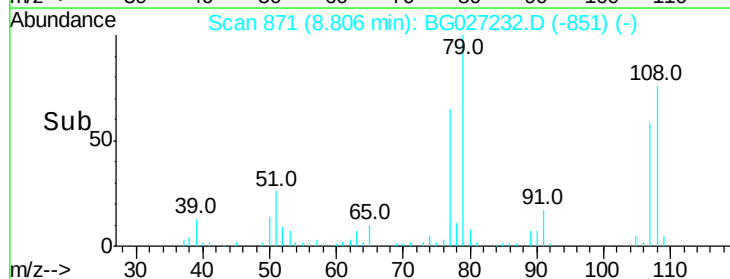
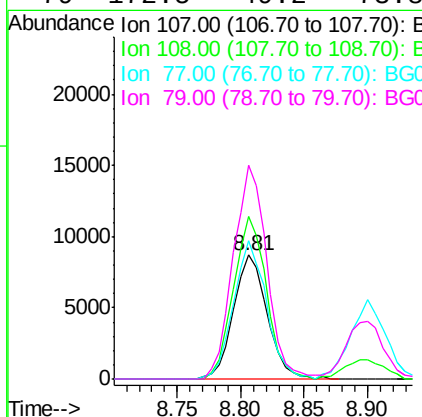
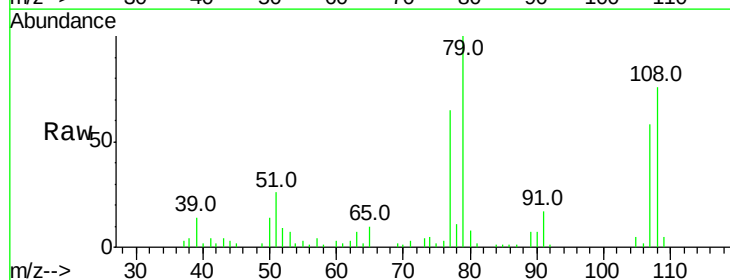
Instrument :
BNA_G
ClientSampleId :

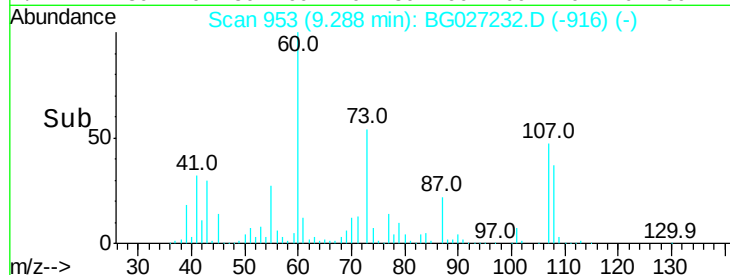
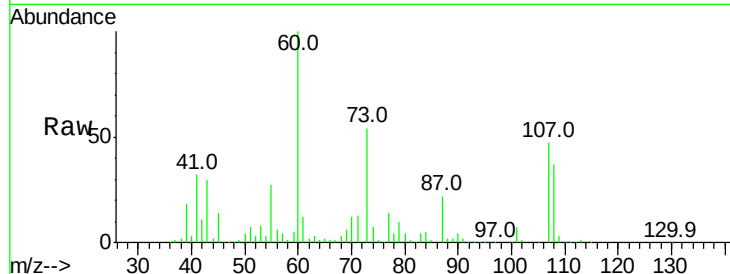
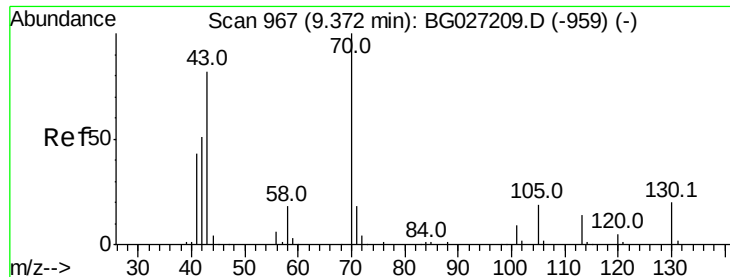
Tot Ion: 45 Resp: 146709
Ion Ratio Lower Upper
45 100
77 97.0 0.0 30.6#
79 72.4 0.0 28.5#



#17
2-Methylphenol
Concen: 3.67 ng
RT: 8.81 min Scan# 871
Delta R.T. -0.18 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

Tgt Ion:107 Resp: 15900
Ion Ratio Lower Upper
107 100
108 131.3 85.6 128.4#
77 111.5 51.4 77.2#
79 172.5 49.2 73.8#

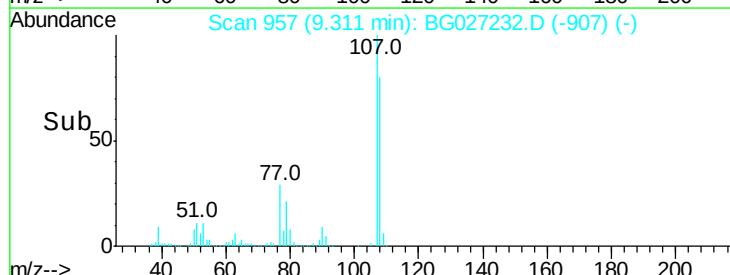
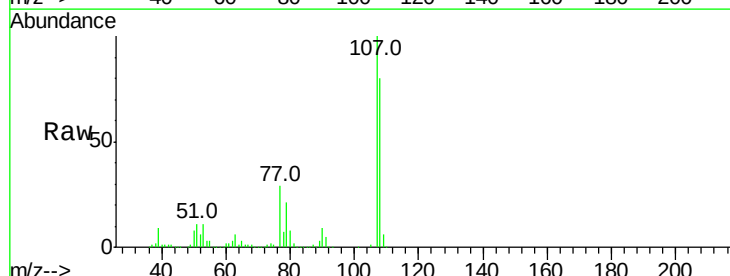
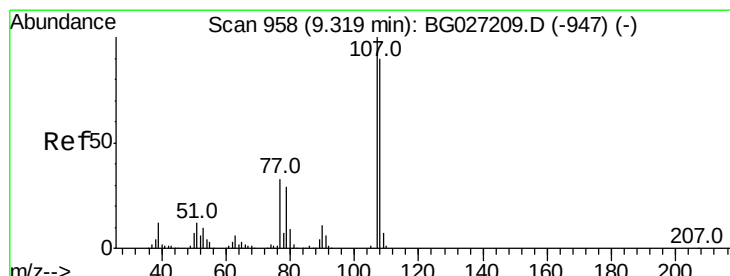
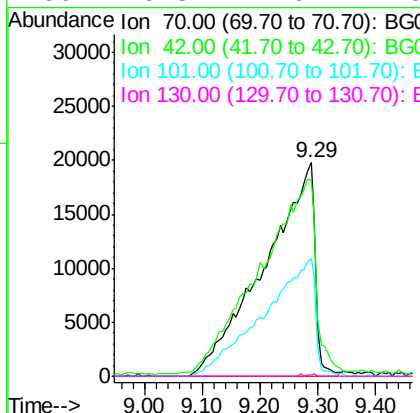




#19
n-Nitroso-di-n-propylamine
Concen: 28.41 ng
RT: 9.29 min Scan# 953
Delta R.T. -0.08 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

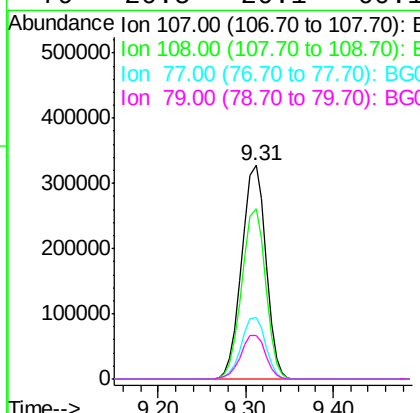
Instrument :
BNA_G
ClientSampleId :

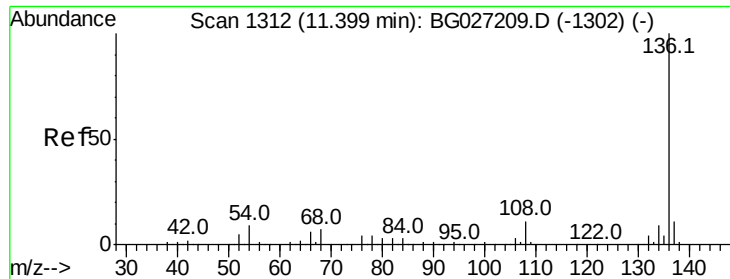
Tot Ion: 70 Resp: 118993
Ion Ratio Lower Upper
70 100
42 91.5 56.1 84.1#
101 55.3 7.5 11.3#
130 0.8 14.6 21.8#



#20
3+4-Methylphenols
Concen: 101.63 ng
RT: 9.31 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

Tgt Ion: 107 Resp: 609237
Ion Ratio Lower Upper
107 100
108 79.8 70.8 110.8
77 28.9 25.8 65.8
79 20.5 20.1 60.1

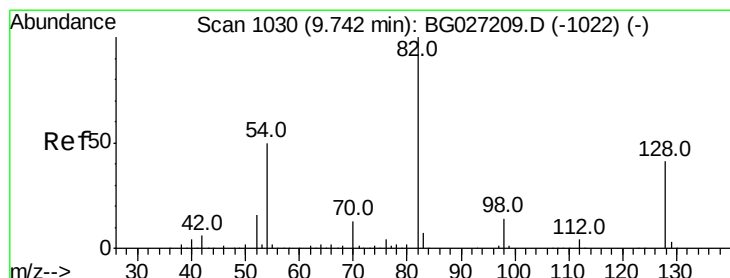
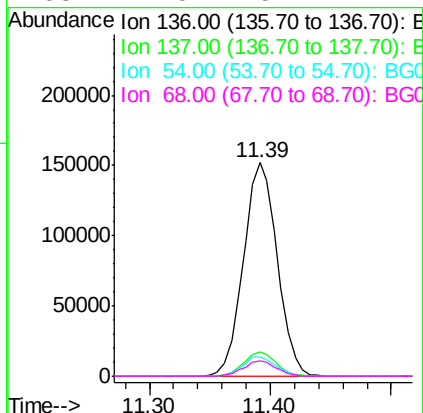
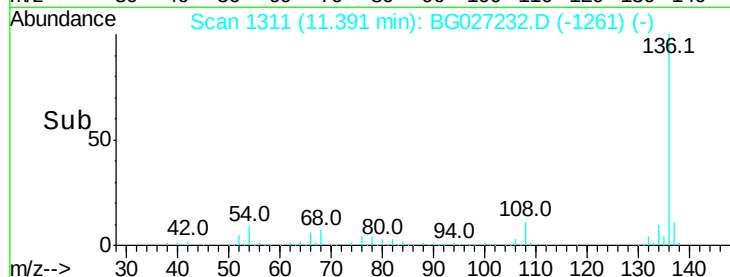
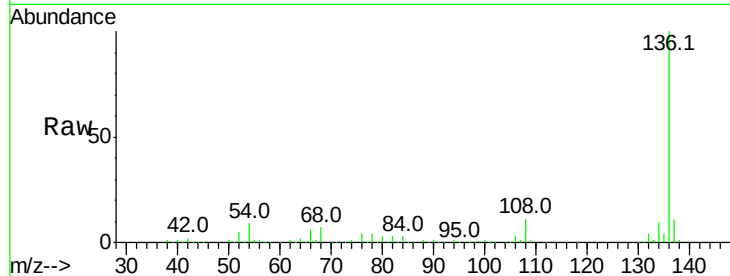




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.39 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

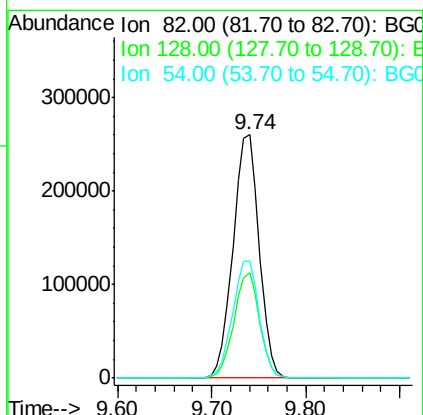
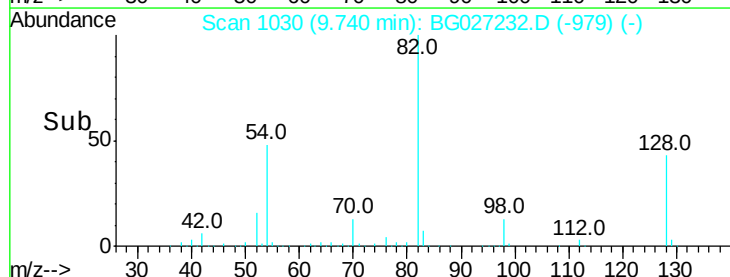
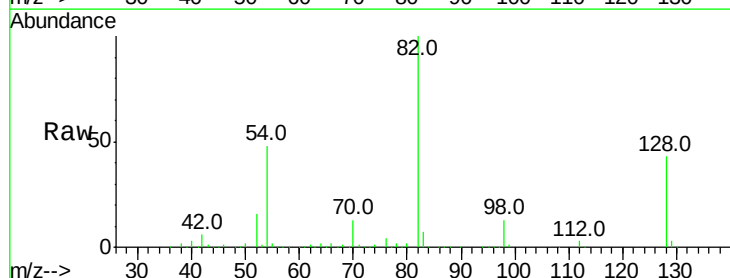
Instrument :
BNA_G
ClientSampleId :

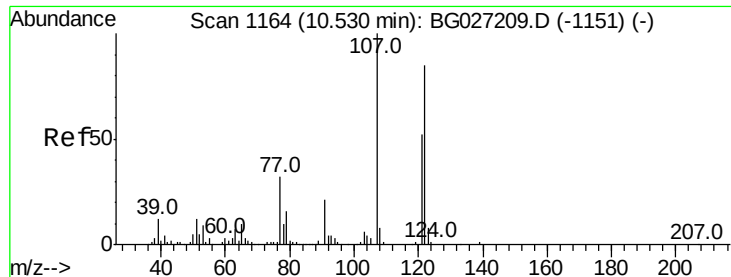
Tot Ion:	136	Resp:	295231
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.1	9.3	13.9#
68	7.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 106.71 ng
RT: 9.74 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

Tgt Ion:	82	Resp:	500933
Ion	Ratio	Lower	Upper
82	100		
128	43.3	26.4	39.6#
54	47.8	49.4	74.2#

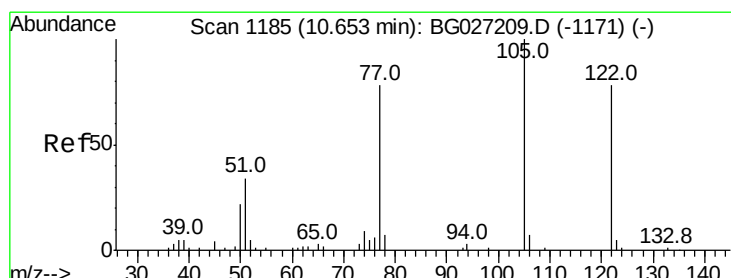
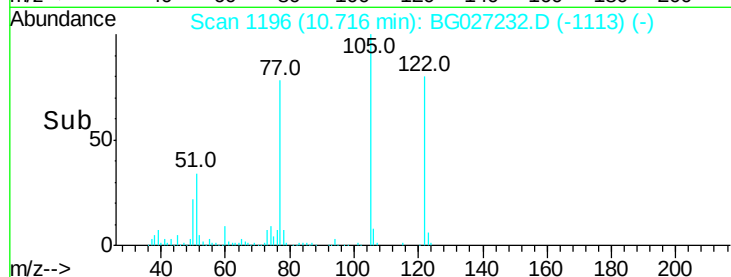
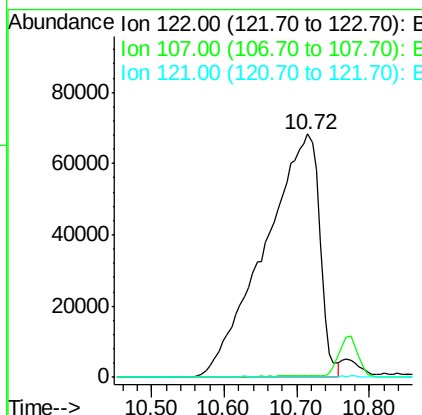
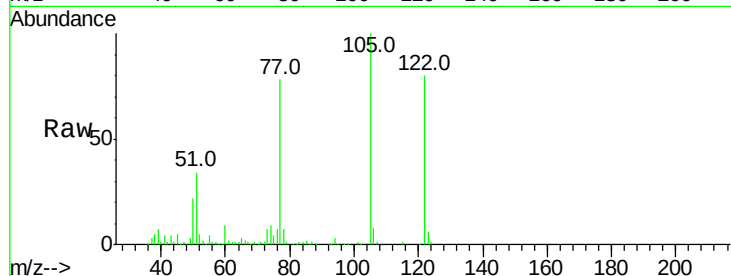




#27
2,4-Dimethylphenol
Concen: 76.06 ng
RT: 10.72 min Scan# 1196
Delta R.T. 0.19 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

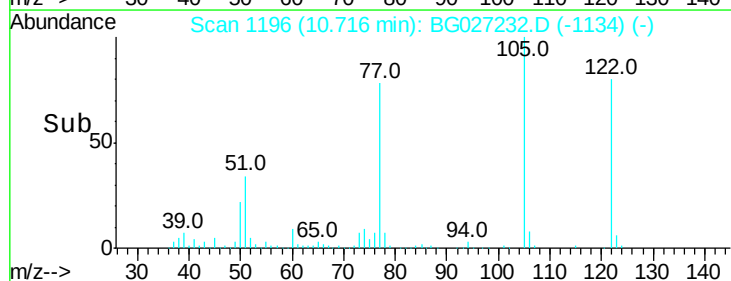
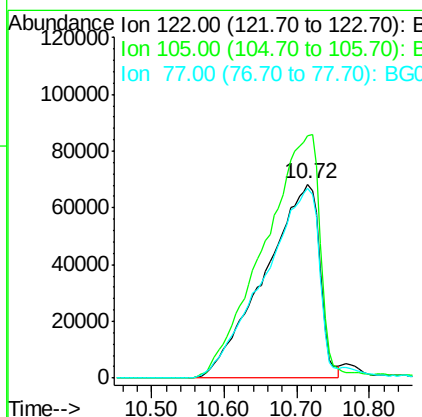
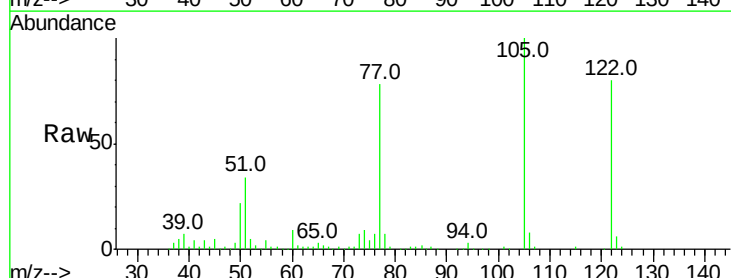
Instrument :
BNA_G
ClientSampleId :

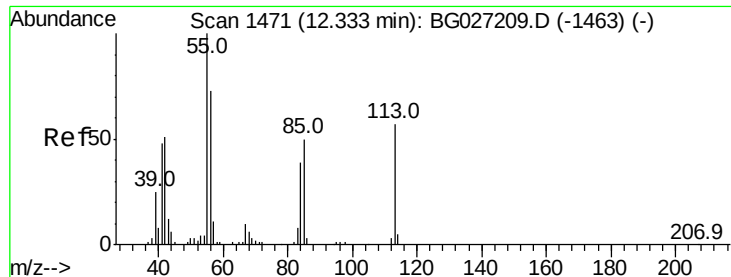
Tot Ion:122 Resp: 361011
Ion Ratio Lower Upper
122 100
107 0.8 104.2 156.4#
121 0.0 46.0 69.0#



#32
Benzoic acid
Concen: 99.61 ng
RT: 10.72 min Scan# 1196
Delta R.T. 0.06 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

Tgt Ion:122 Resp: 361011
Ion Ratio Lower Upper
122 100
105 125.0 120.1 160.1
77 97.7 104.6 144.6#





#35

Caprolactam

Concen: 3.57 ng

RT: 12.19 min Scan# 1447

Delta R.T. -0.14 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Instrument :

BNA_G

ClientSampleId :

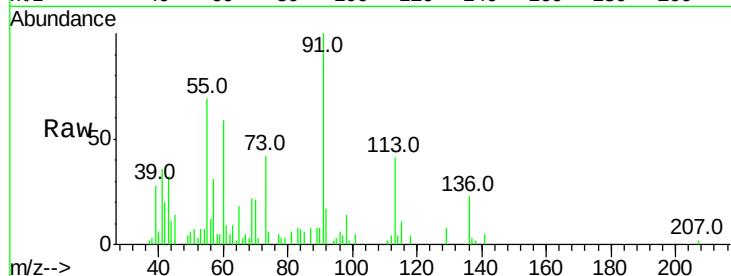
Tot Ion:113 Resp: 5305

Ion Ratio Lower Upper

113 100

55 169.2 198.6 238.6#

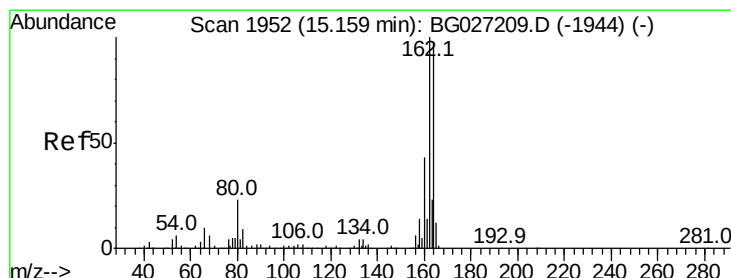
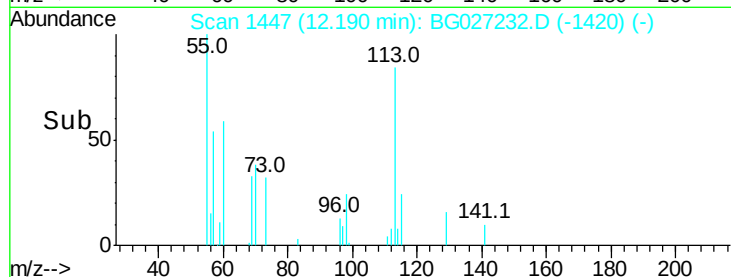
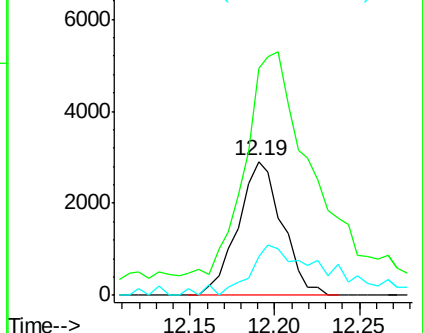
56 29.2 140.4 180.4#



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: 15.15 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

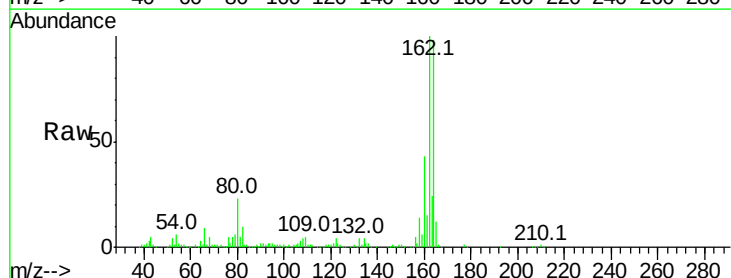
Tgt Ion:164 Resp: 184937

Ion Ratio Lower Upper

164 100

162 102.5 85.1 127.7

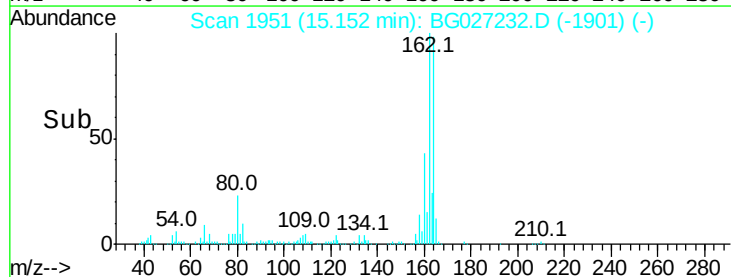
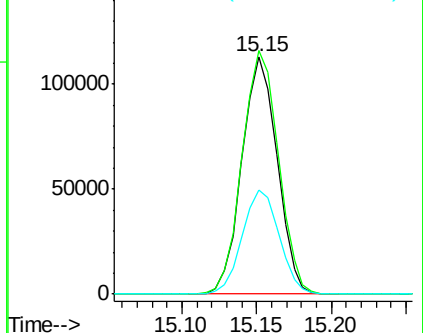
160 43.6 34.7 52.1

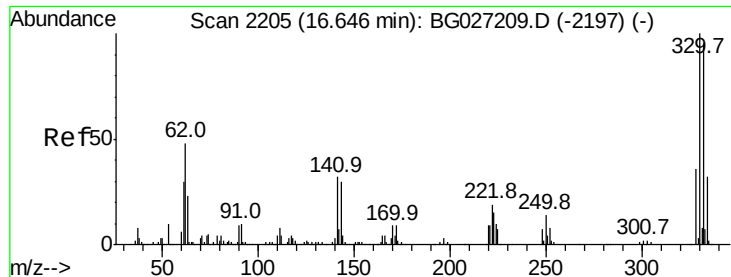


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 154.53 ng

RT: 16.64 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Instrument :

BNA_G

ClientSampleId :

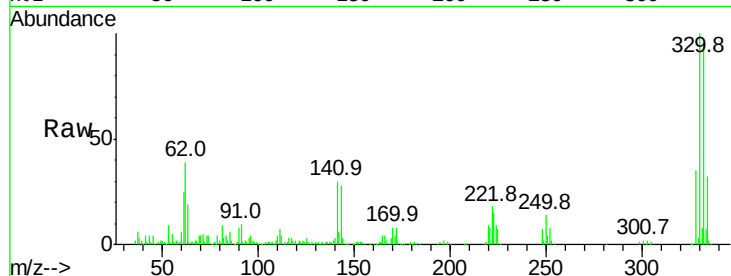
Tot Ion:330 Resp: 376327

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

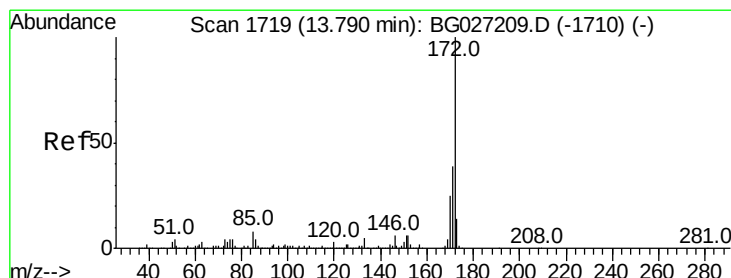
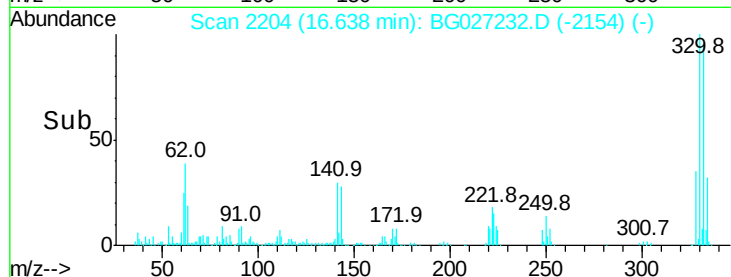
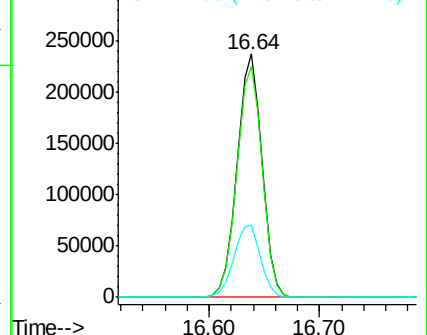
141 31.9 32.1 48.1#



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: 90.01 ng

RT: 13.78 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

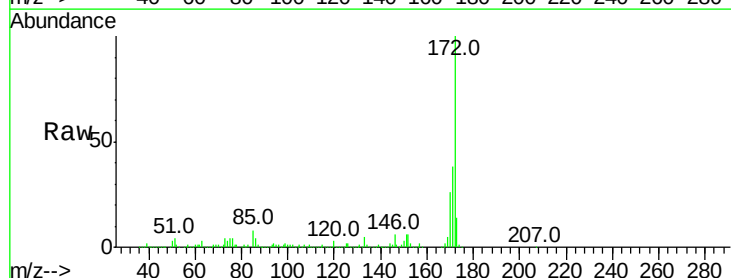
Tgt Ion:172 Resp: 1189887

Ion Ratio Lower Upper

172 100

171 38.2 32.2 48.2

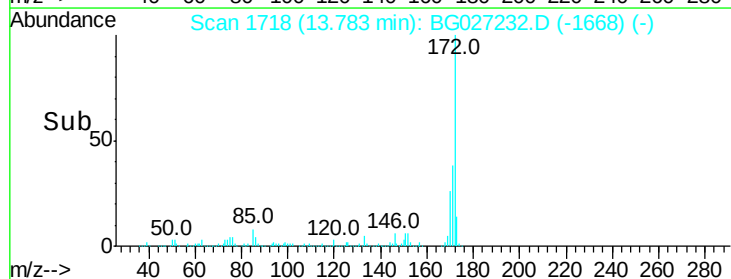
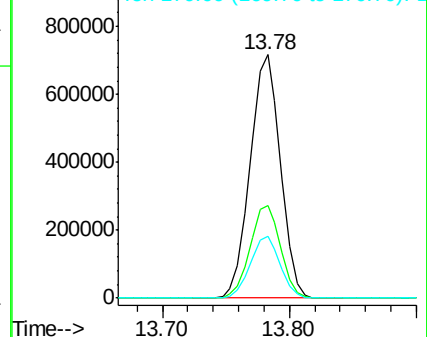
170 25.6 21.8 32.6

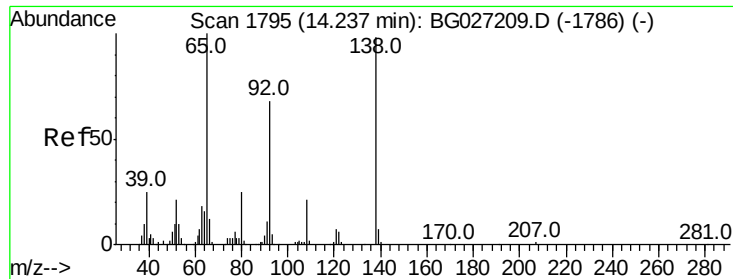


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 6.96 ng

RT: 14.20 min Scan# 1789

Delta R.T. -0.04 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Instrument :

BNA_G

ClientSampleId :

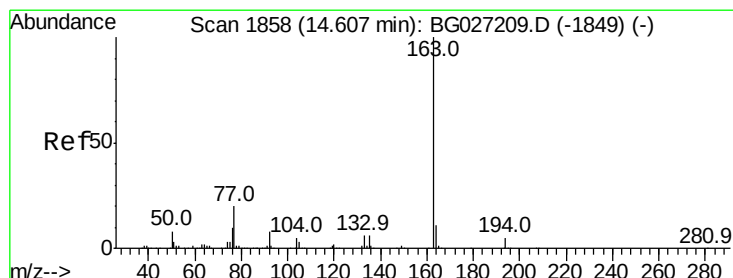
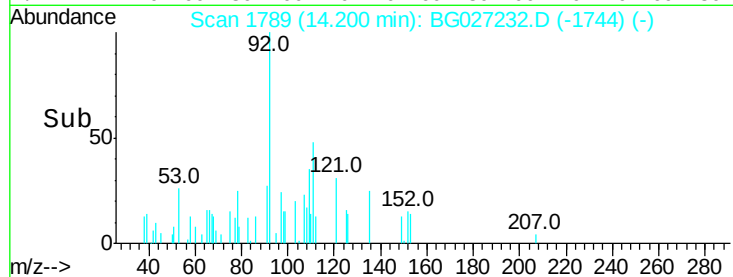
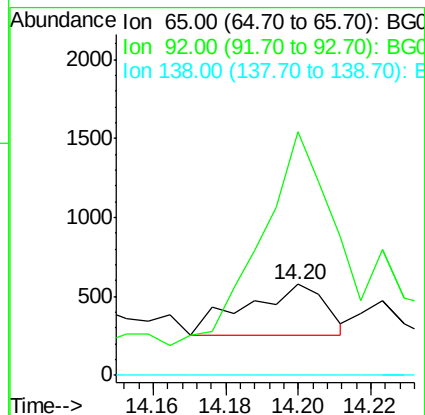
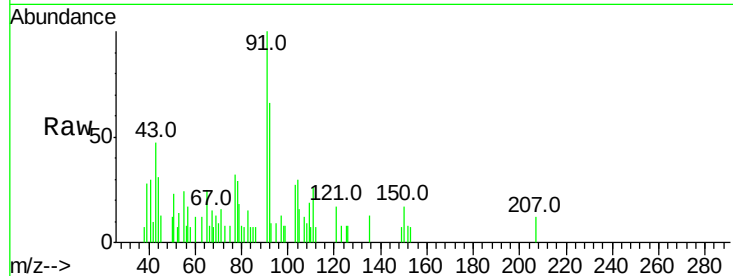
Tot Ion: 65 Resp: 488

Ion Ratio Lower Upper

65 100

92 267.2 49.0 73.4#

138 0.0 58.6 87.8#



#49

Dimethylphthalate

Concen: 6.95 ng

RT: 14.59 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

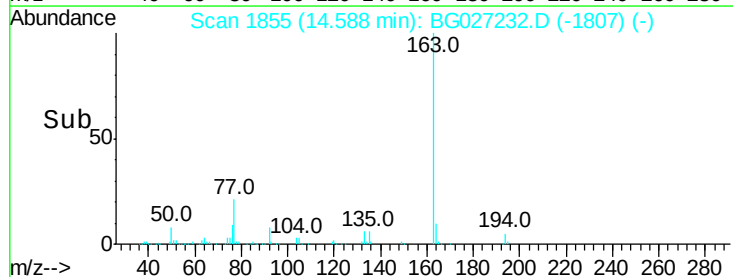
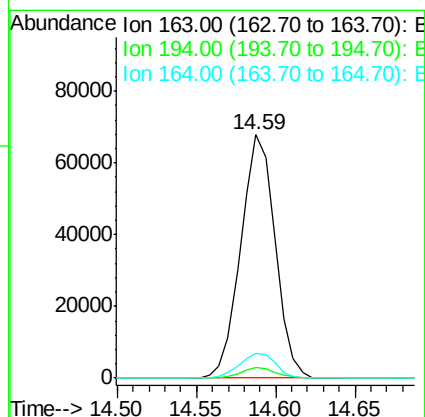
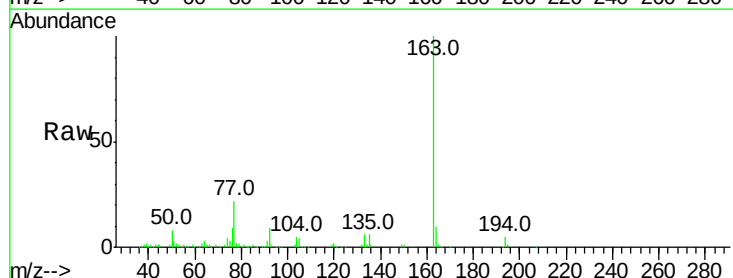
Tgt Ion: 163 Resp: 101935

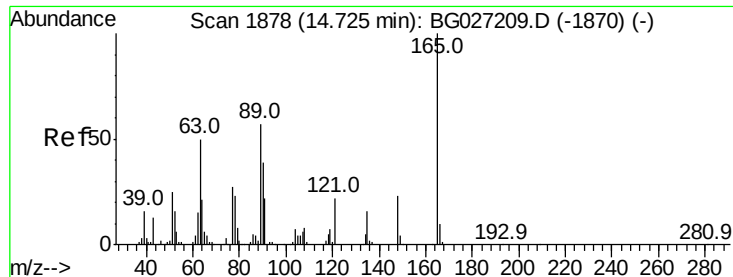
Ion Ratio Lower Upper

163 100

194 4.6 3.8 5.6

164 10.0 9.3 13.9

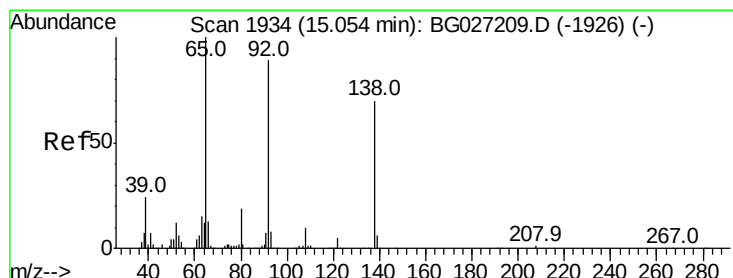
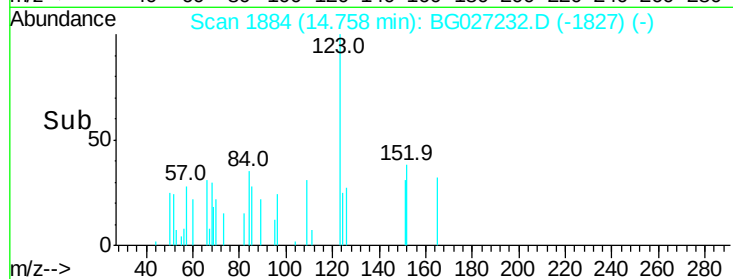
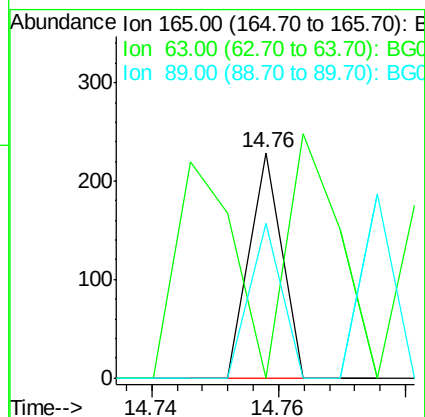
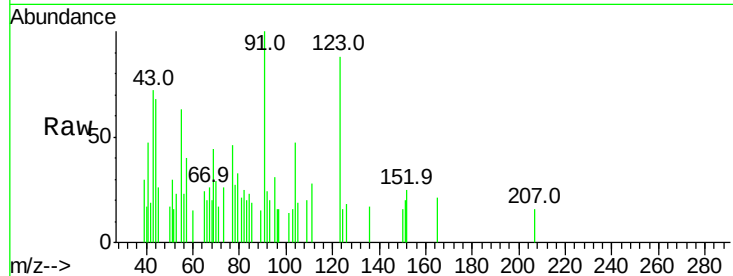




#50
 2,6-Dinitrotoluene
 Concen: 5.64 ng
 RT: 14.76 min Scan# 1884
 Delta R.T. 0.03 min
 Lab File: BG027232.D
 Acq: 6 Jun 2017 3:46

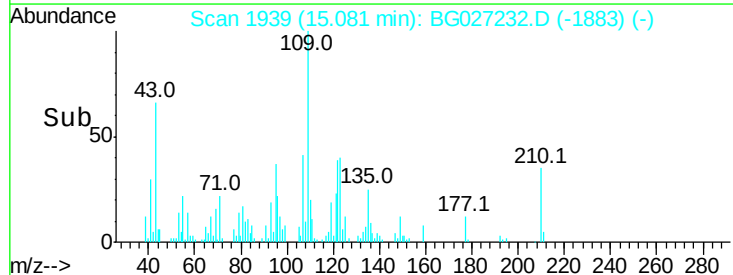
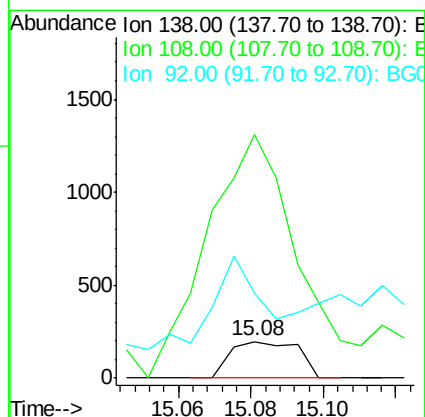
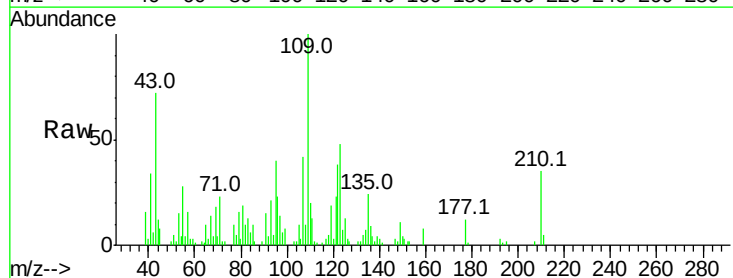
Instrument :
 BNA_G
 ClientSampleId :

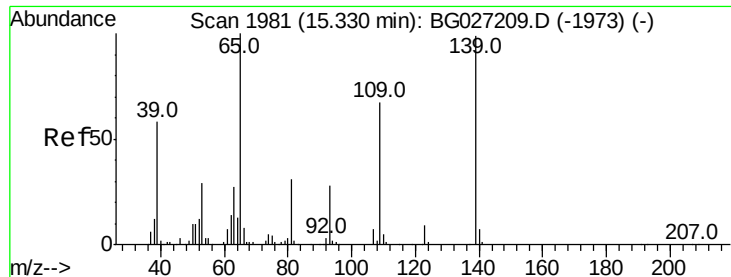
Tot Ion:165 Resp: 81
 Ion Ratio Lower Upper
 165 100
 63 0.0 63.9 95.9#
 89 68.6 58.6 88.0



#52
 3-Nitroaniline
 Concen: 5.79 ng
 RT: 15.08 min Scan# 1939
 Delta R.T. 0.03 min
 Lab File: BG027232.D
 Acq: 6 Jun 2017 3:46

Tgt Ion:138 Resp: 256
 Ion Ratio Lower Upper
 138 100
 108 661.6 10.9 16.3#
 92 229.8 115.3 172.9#

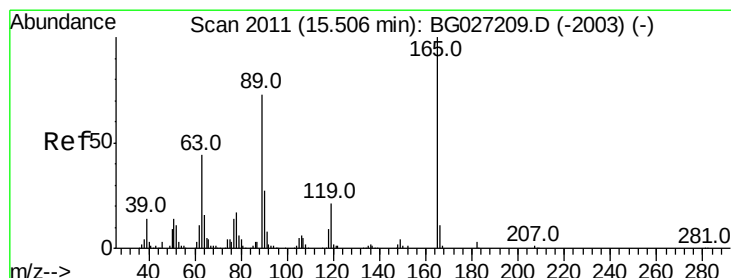
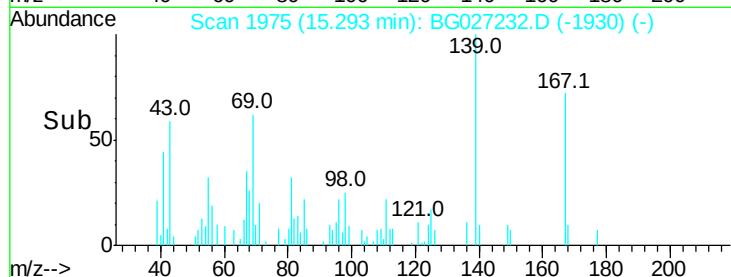
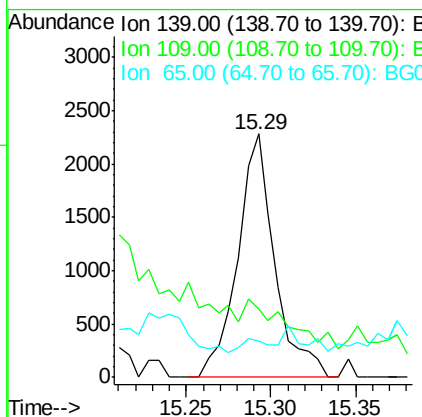
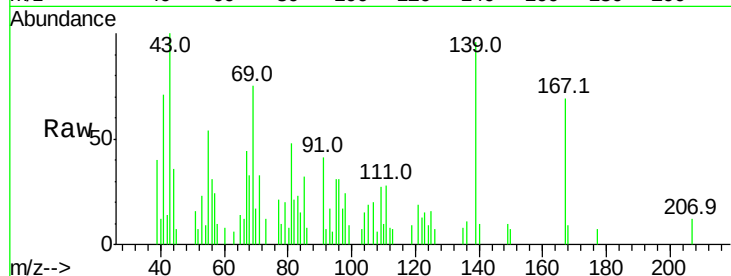




#55
4-Nitrophenol
Concen: 7.29 ng
RT: 15.29 min Scan# 1975
Delta R.T. -0.04 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

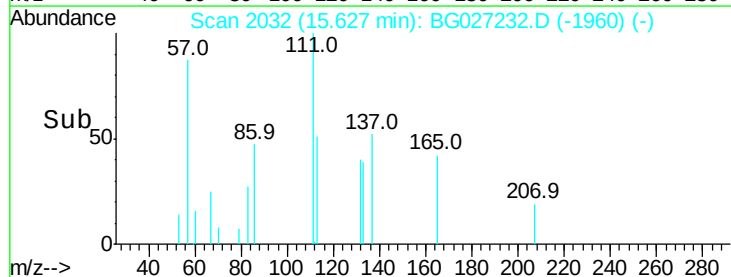
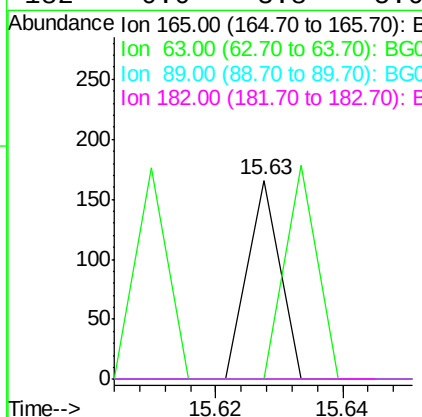
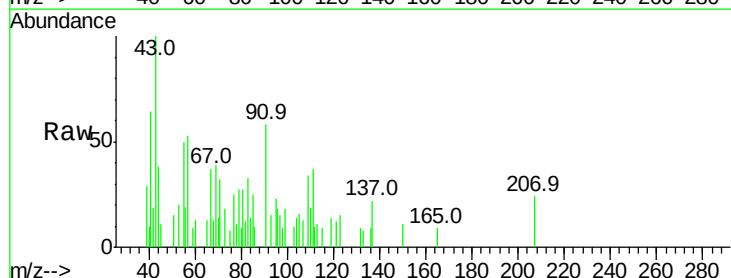
Instrument :
BNA_G
ClientSampleId :

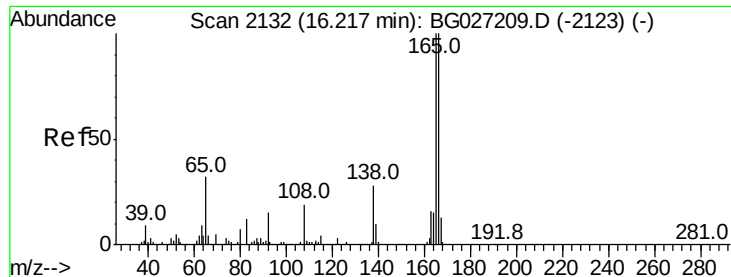
Tot Ion:139 Resp: 3495
Ion Ratio Lower Upper
139 100
109 27.8 101.2 141.2#
65 14.9 135.3 175.3#



#56
2,4-Dinitrotoluene
Concen: 7.00 ng
RT: 15.63 min Scan# 2032
Delta R.T. 0.12 min
Lab File: BG027232.D
Acq: 6 Jun 2017 3:46

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#





#61

4-Nitroaniline

Concen: 5.91 ng

RT: 16.21 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Instrument :

BNA_G

ClientSampleId :

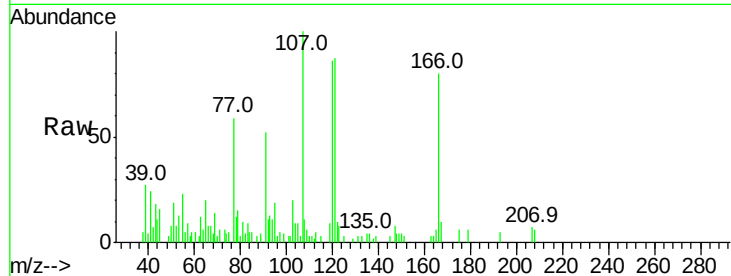
Tot Ion:138 Resp: 57

Ion Ratio Lower Upper

138 100

92 444.4 44.2 84.2#

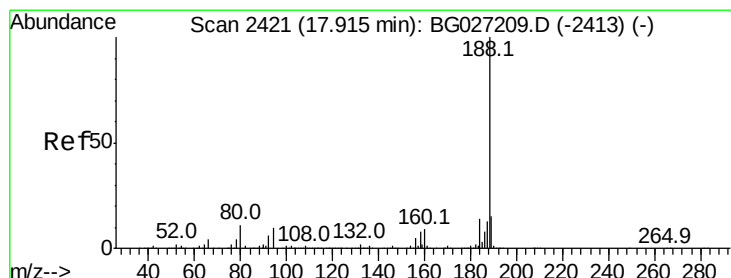
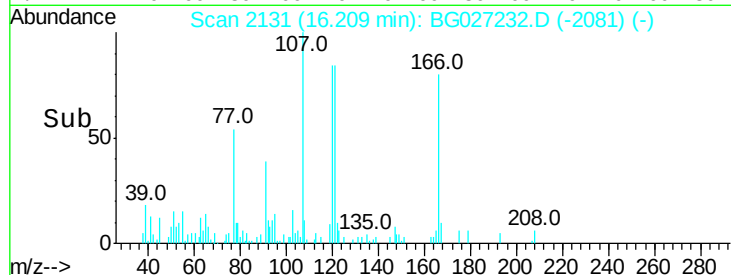
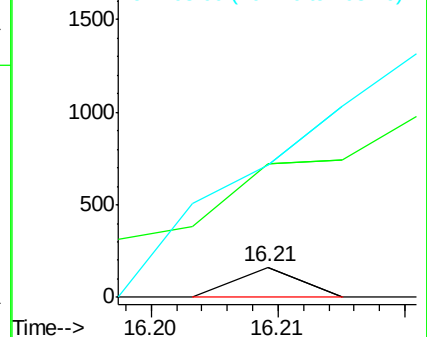
108 440.1 104.8 144.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.90 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

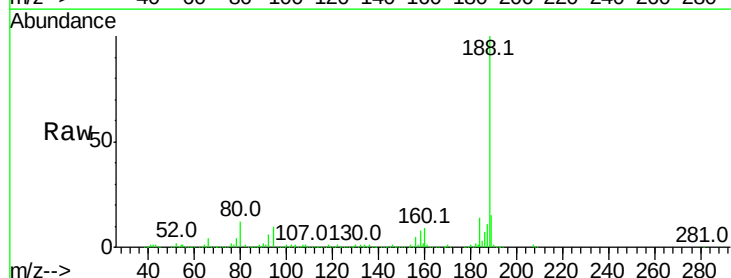
Tgt Ion:188 Resp: 408616

Ion Ratio Lower Upper

188 100

94 10.2 5.8 8.8#

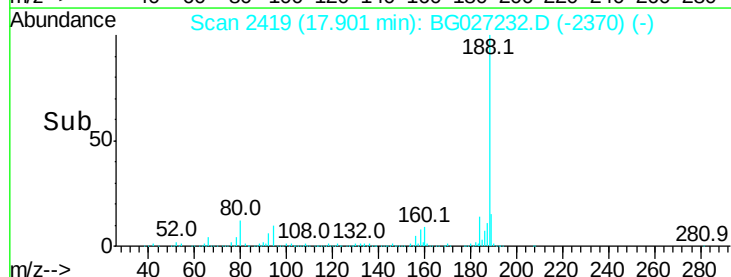
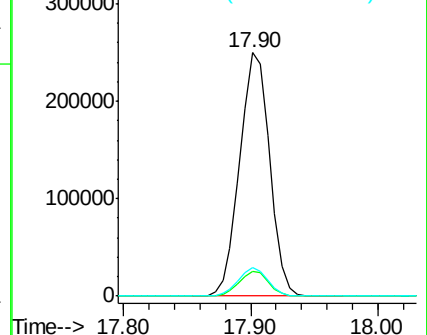
80 11.6 7.5 11.3#

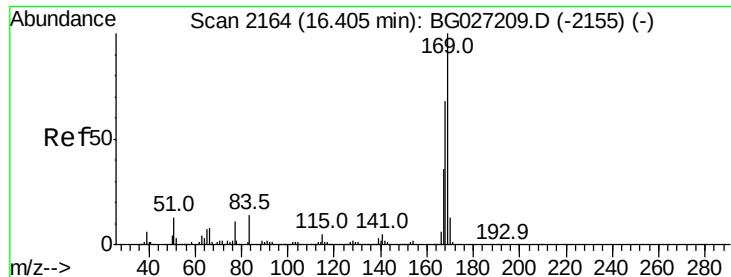


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

n-Nitrosodiphenylamine

Concen: 2.30 ng

RT: 16.49 min Scan# 2179

Delta R.T. 0.09 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Instrument :

BNA_G

ClientSampleId :

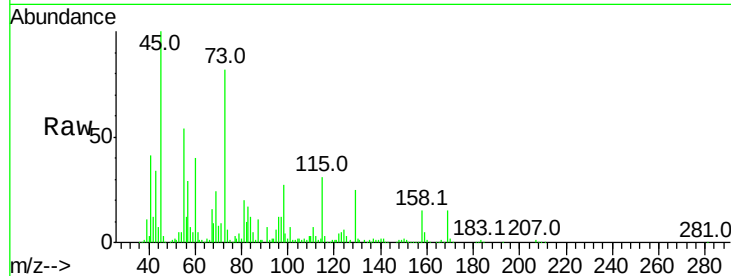
Tot Ion:169 Resp: 29446

Ion Ratio Lower Upper

169 100

168 0.0 55.7 83.5#

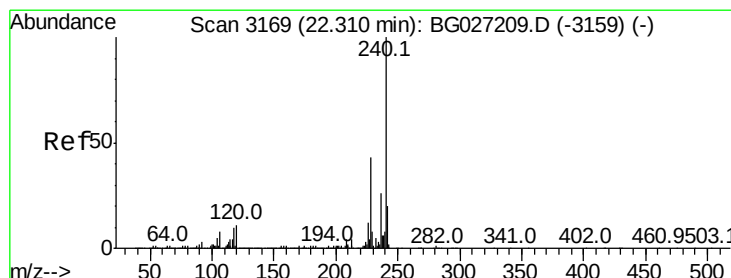
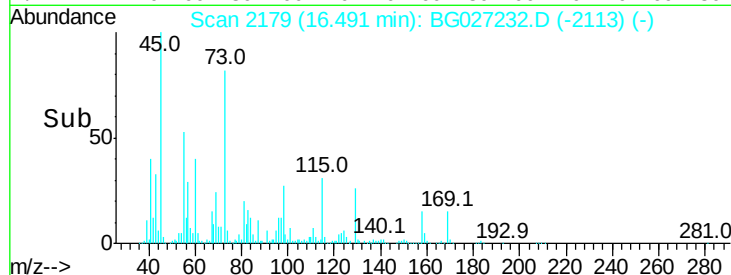
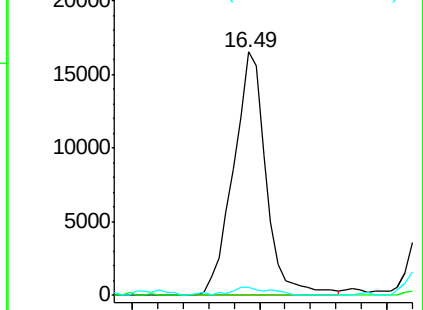
167 3.3 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.29 min Scan# 3166

Delta R.T. -0.02 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

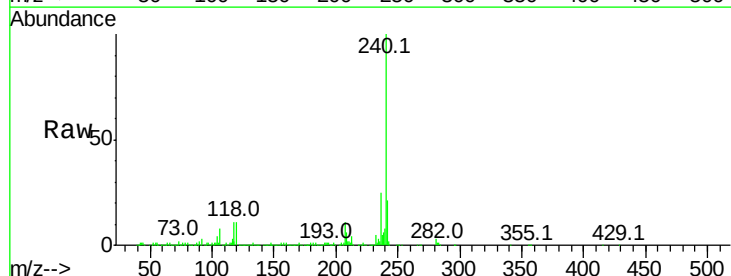
Tgt Ion:240 Resp: 437431

Ion Ratio Lower Upper

240 100

120 11.2 5.7 8.5#

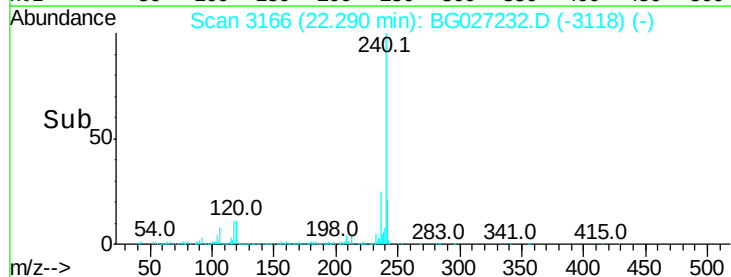
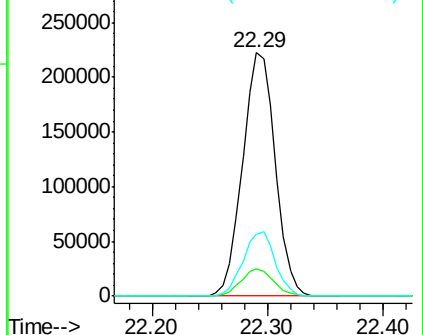
236 25.3 22.2 33.4

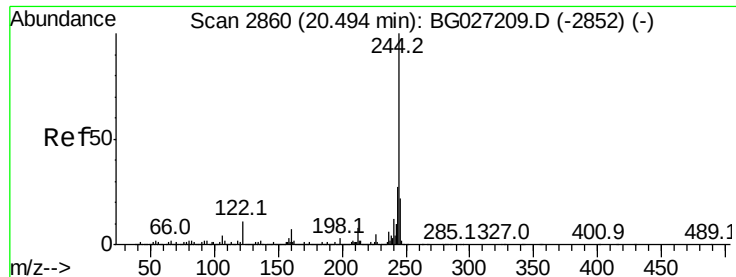


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.84 ng

RT: 20.48 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

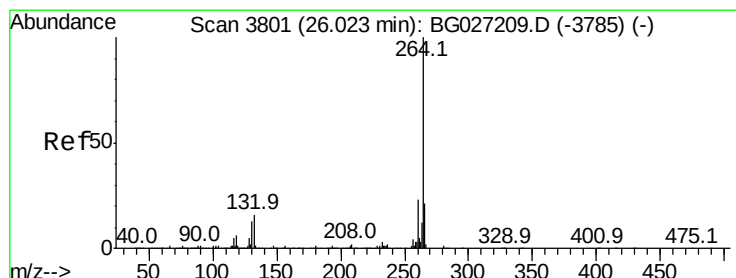
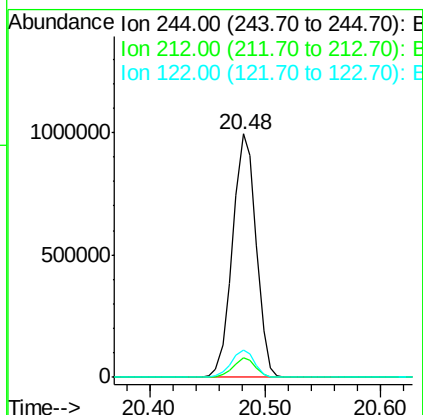
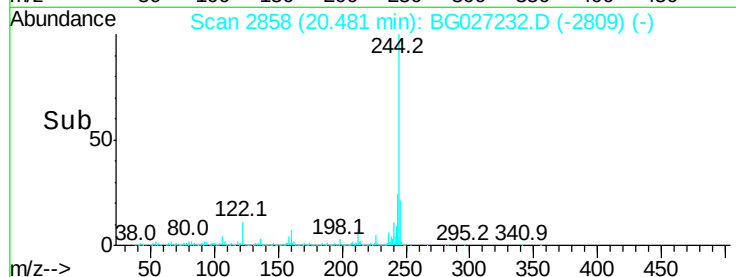
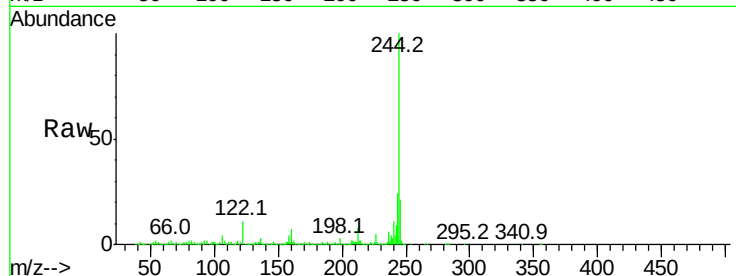
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1403426

Ion	Ratio	Lower	Upper
244	100		
212	7.8	10.0	15.0#
122	11.3	8.6	12.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 26.00 min Scan# 3797

Delta R.T. -0.03 min

Lab File: BG027232.D

Acq: 6 Jun 2017 3:46

Tgt Ion:264 Resp: 417868

Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.8	32.8
265	21.8	18.2	27.4

