

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062217\
 Data File : BG027618.D
 Acq On : 23 Jun 2017 5:58
 Operator : SJ/JU
 Sample : I3840-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 23 07:05:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

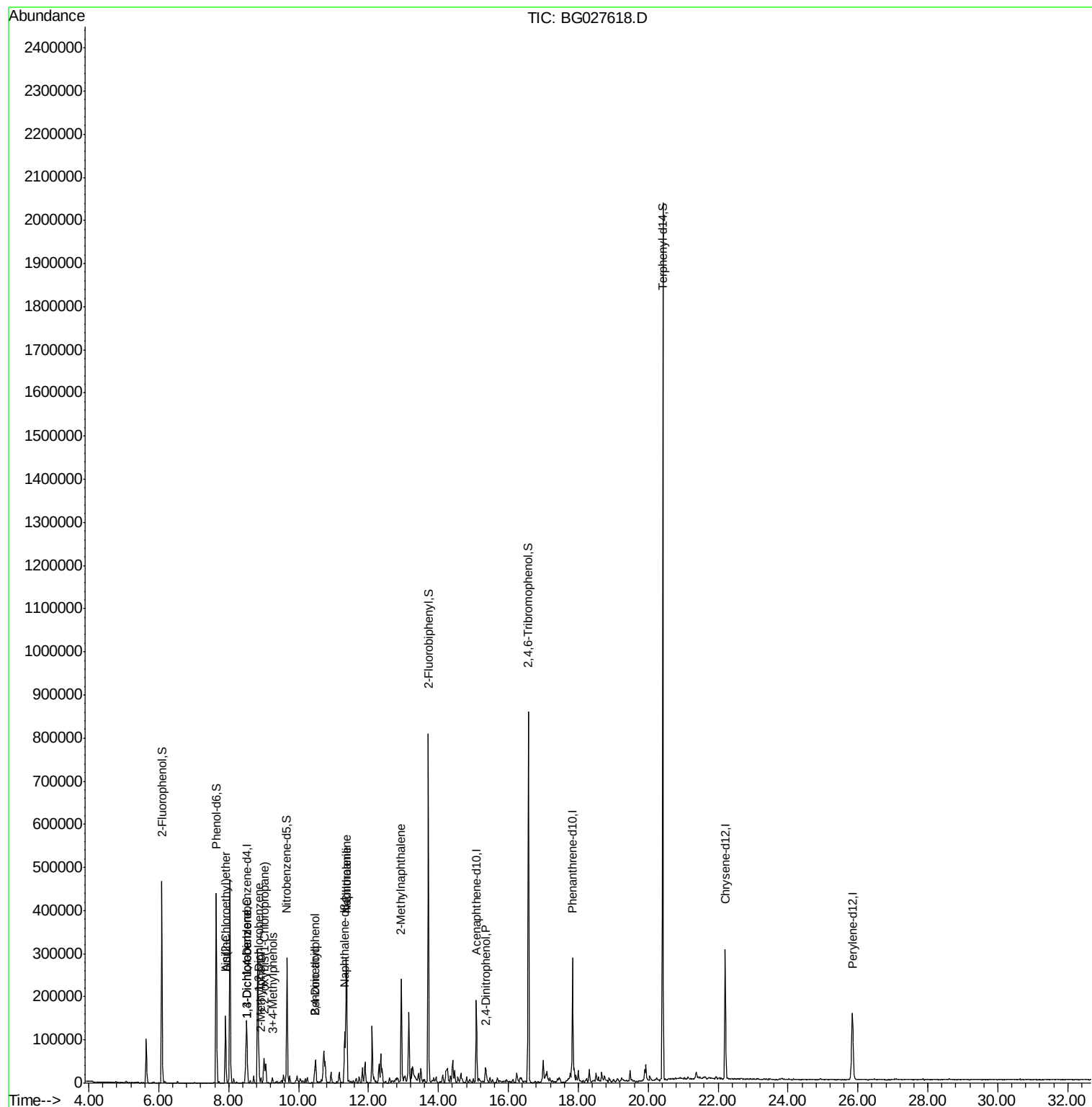
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.51	152	21061	20.00	ng	0.00
21) Naphthalene-d8	11.32	136	103265	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	60146	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	176002	20.00	ng	0.00
75) Chrysene-d12	22.20	240	199399	20.00	ng	-0.01
86) Perylene-d12	25.84	264	190373	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.09	112	189907	128.33	ng	0.00
7) Phenol-d6	7.64	99	245079	111.87	ng	0.00
23) Nitrobenzene-d5	9.67	82	177897	81.52	ng	0.00
41) 2,4,6-Tribromophenol	16.57	330	159810	178.22	ng	0.00
44) 2-Fluorobiphenyl	13.71	172	396171	89.98	ng	0.00
78) Terphenyl-d14	20.42	244	867897	102.55	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.91	93	86492	32.35	ng	# 57
11) bis(2-Chloroethyl)ether	7.91	93	86492	49.52	ng	89
12) 1,3-Dichlorobenzene	8.54	146	5095	3.08	ng	92
13) 1,4-Dichlorobenzene	8.54	146	5095	3.05	ng	95
14) 1,2-Dichlorobenzene	8.86	146	22368	13.64	ng	94
16) 2,2'-oxybis(1-Chloropropan	9.01	45	51093	17.63	ng	94
17) 2-Methylphenol	8.92	107	4799	3.06	ng	# 87
20) 3+4-Methylphenols	9.25	107	5500	2.56	ng	94
27) 2,4-Dimethylphenol	10.49	122	19975	11.95	ng	# 88
31) Naphthalene	11.37	128	205891	36.89	ng	98
32) Benzoic acid	10.49	122	19975	21.90	ng	# 13
33) 4-Chloroaniline	11.37	127	29231	12.35	ng	# 34
37) 2-Methylnaphthalene	12.94	142	109466	26.99	ng	100
53) 2,4-Dinitrophenol	15.37	184	3570	5.53	ng	# 28

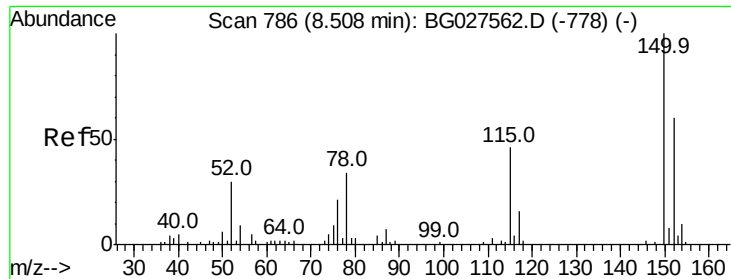
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.51 min Scan# 786

Delta R.T. -0.00 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

Instrument :

BNA_G

ClientSampled :

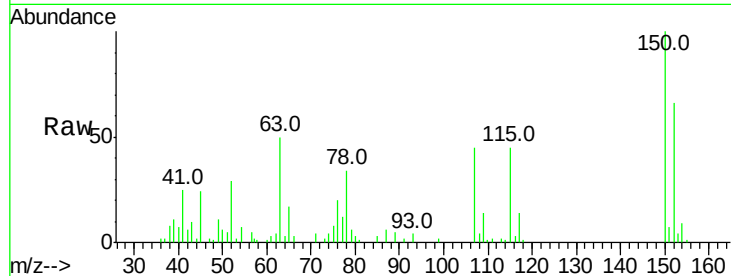
Tot Ion:152 Resp: 21061

Ion Ratio Lower Upper

152 100

150 151.7 114.0 171.0

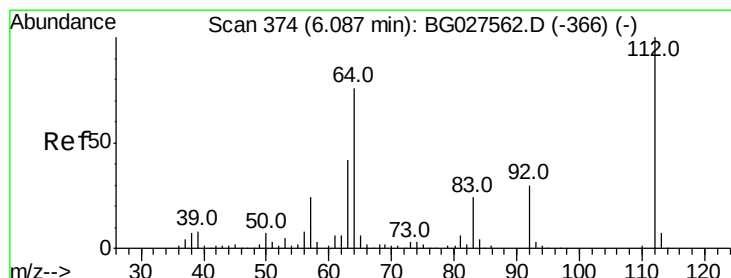
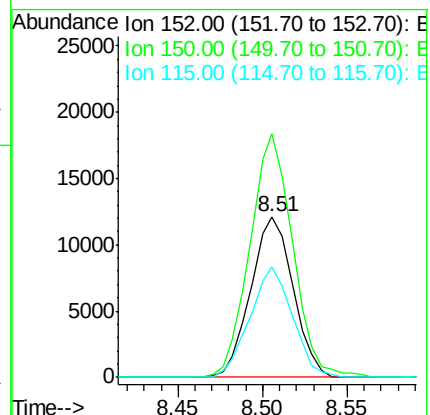
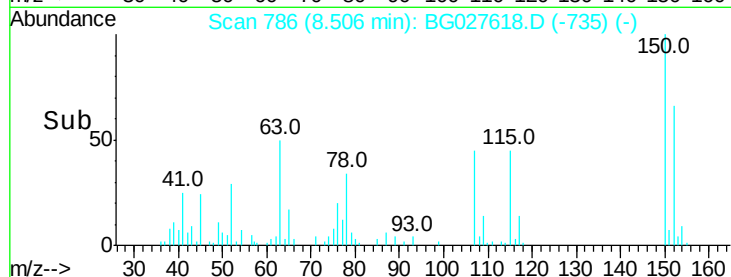
115 68.5 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 128.33 ng

RT: 6.09 min Scan# 375

Delta R.T. 0.00 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

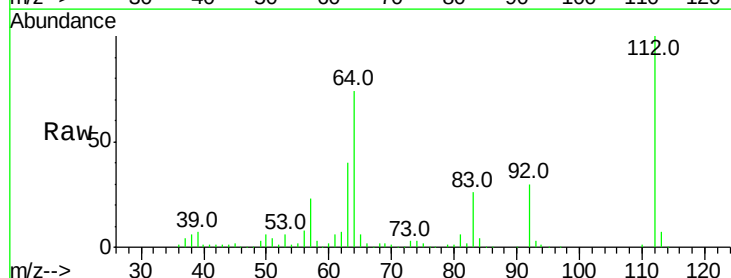
Tgt Ion:112 Resp: 189907

Ion Ratio Lower Upper

112 100

64 74.3 61.8 92.6

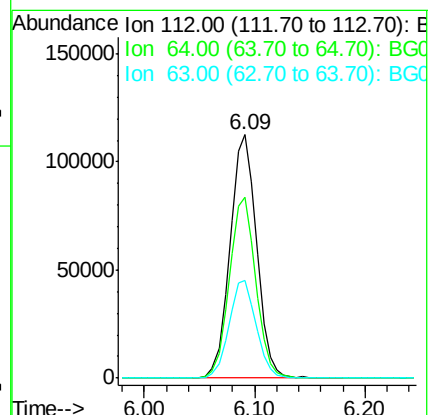
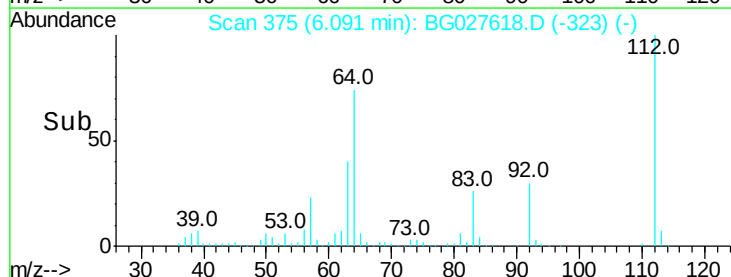
63 40.3 37.2 55.8

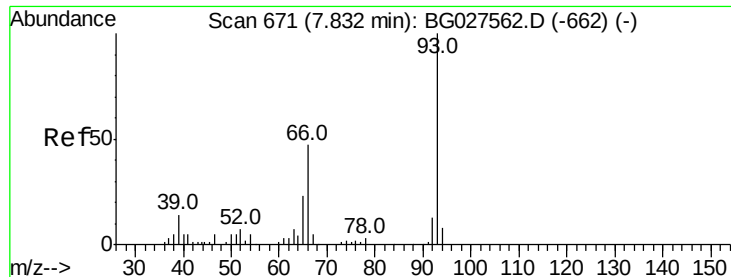


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#6

Aniline

Concen: 32.35 ng

RT: 7.91 min Scan# 685

Delta R.T. 0.08 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

Instrument :

BNA_G

ClientSampleId :

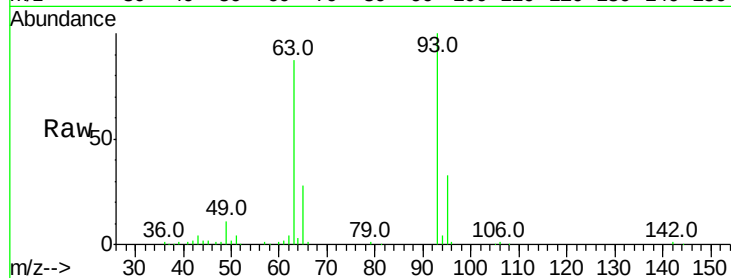
Tot Ion: 93 Resp: 86492

Ion Ratio Lower Upper

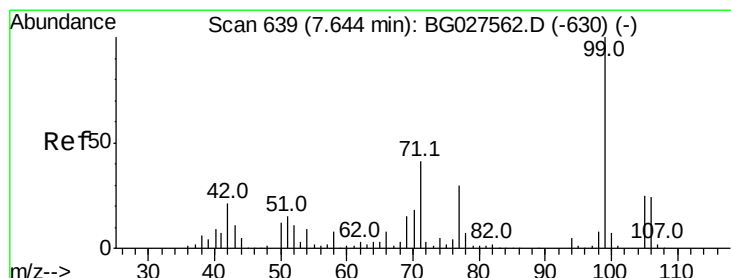
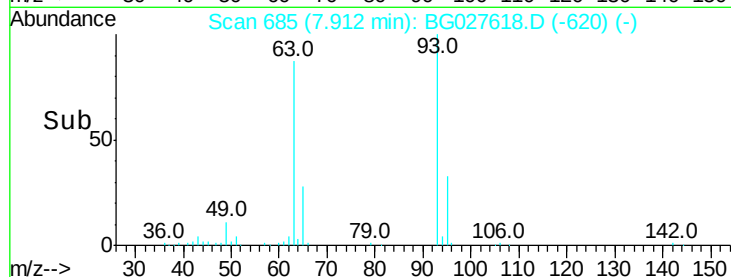
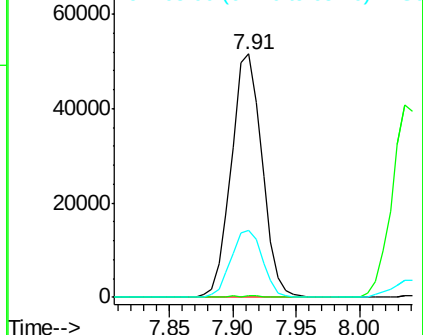
93 100

66 0.6 35.4 53.2#

65 27.7 21.2 31.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 111.87 ng

RT: 7.64 min Scan# 639

Delta R.T. -0.00 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

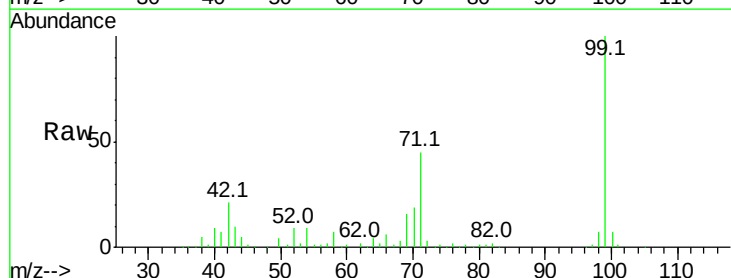
Tgt Ion: 99 Resp: 245079

Ion Ratio Lower Upper

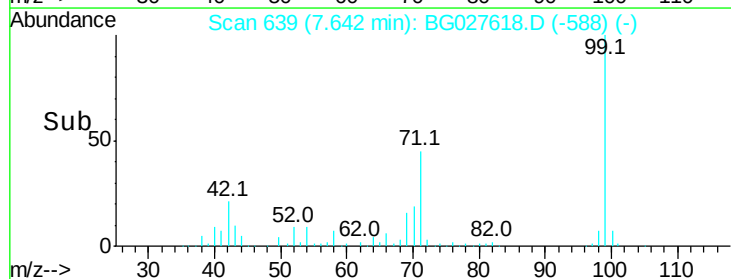
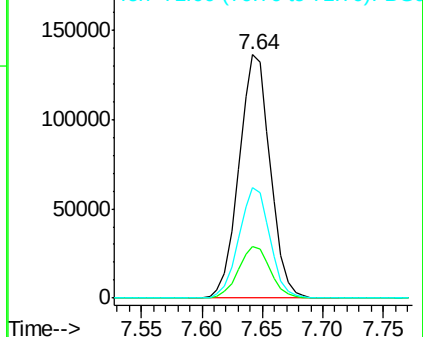
99 100

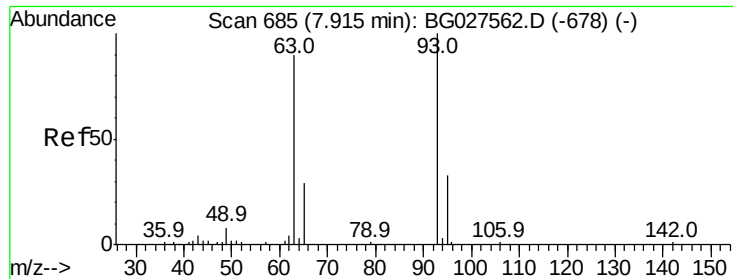
42 21.4 20.5 30.7

71 45.1 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





#11

bis(2-Chloroethyl)ether

Concen: 49.52 ng

RT: 7.91 min Scan# 685

Delta R.T. -0.00 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

Instrument :

BNA_G

ClientSampleId :

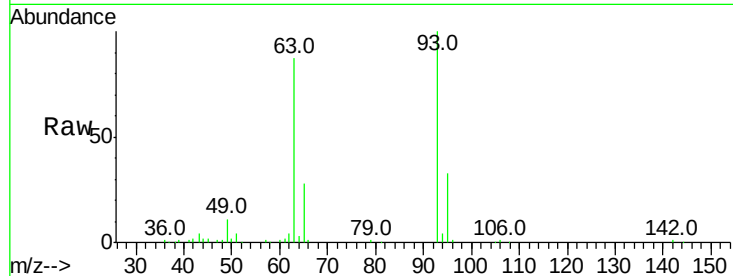
Tot Ion: 93 Resp: 86492

Ion Ratio Lower Upper

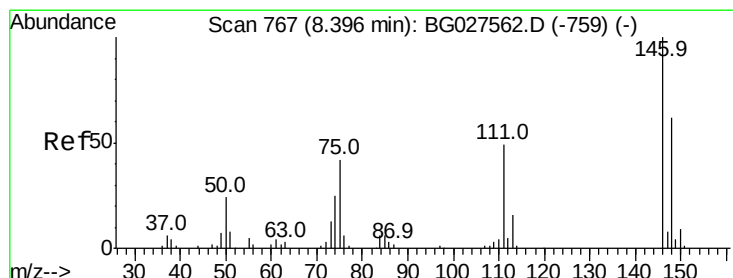
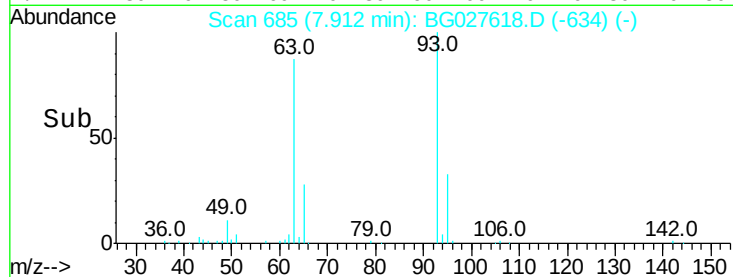
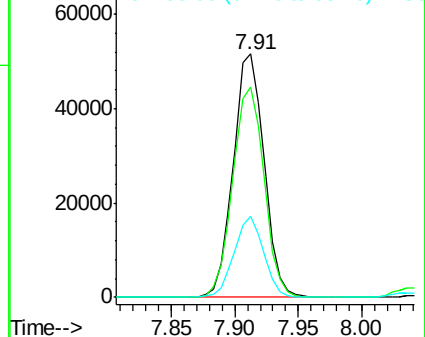
93 100

63 86.6 78.5 118.5

95 33.5 9.8 49.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 3.08 ng

RT: 8.54 min Scan# 792

Delta R.T. 0.14 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

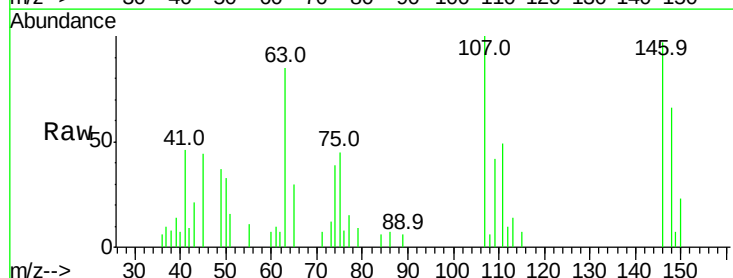
Tgt Ion: 146 Resp: 5095

Ion Ratio Lower Upper

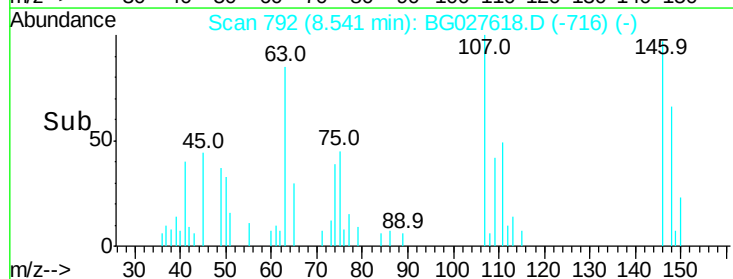
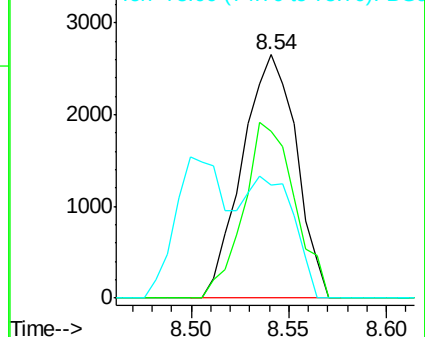
146 100

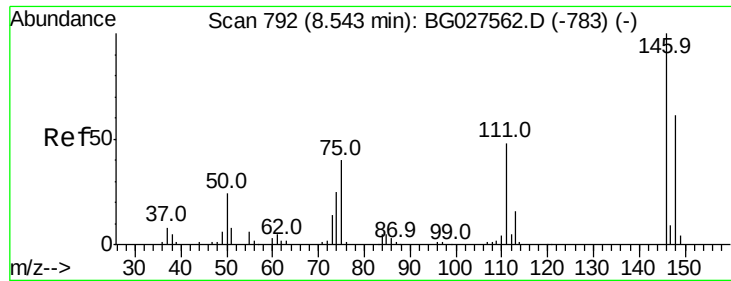
148 68.4 49.2 73.8

75 46.2 33.4 50.2



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

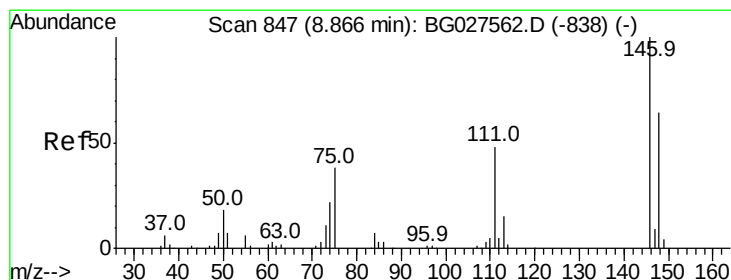
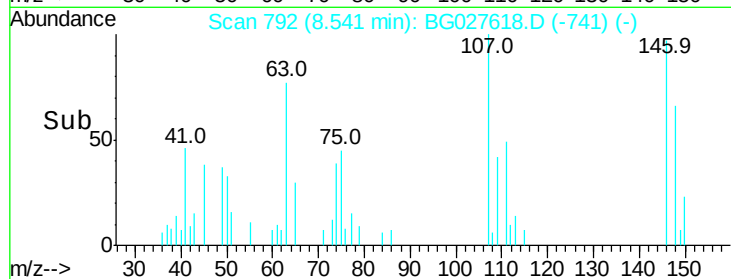
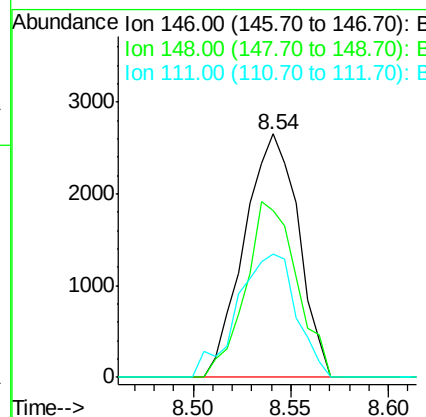
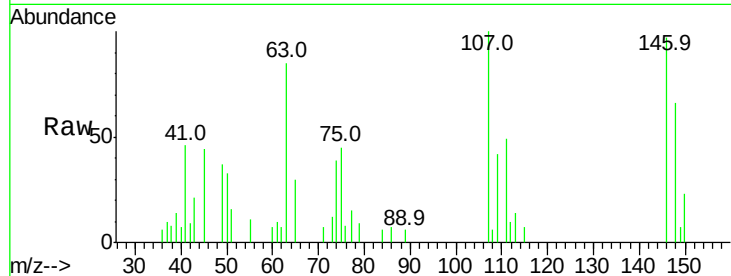




#13
 1,4-Dichlorobenzene
 Concen: 3.05 ng
 RT: 8.54 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

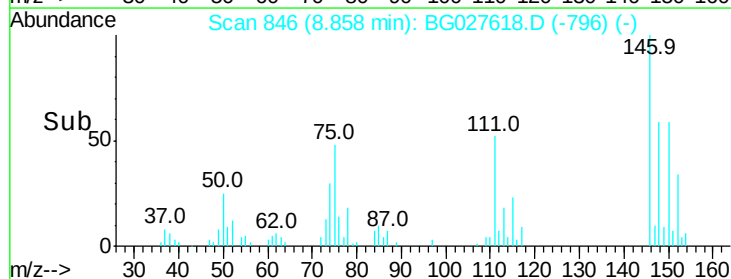
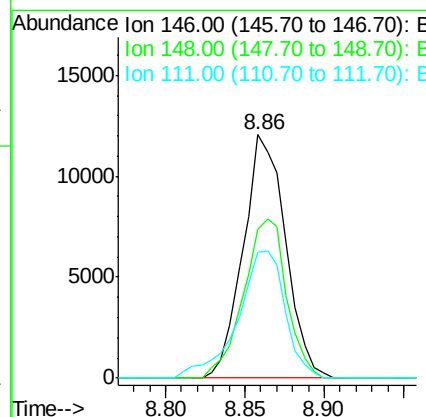
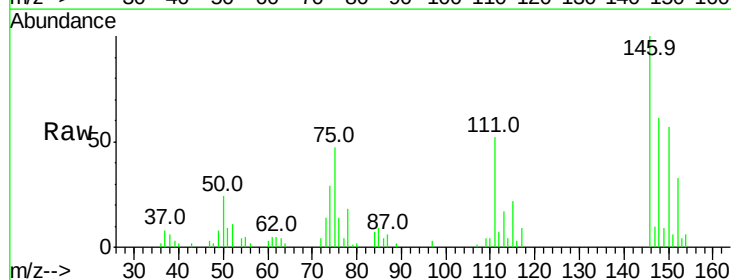
Instrument :
 BNA_G
 ClientSampleId :

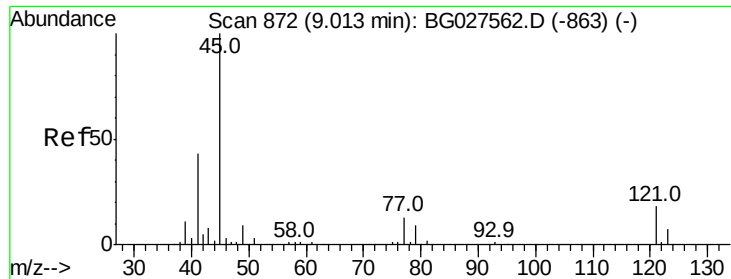
Tot Ion:146 Resp: 5095
 Ion Ratio Lower Upper
 146 100
 148 68.4 52.2 78.2
 111 50.5 37.0 55.6



#14
 1,2-Dichlorobenzene
 Concen: 13.64 ng
 RT: 8.86 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

Tgt Ion:146 Resp: 22368
 Ion Ratio Lower Upper
 146 100
 148 61.3 54.6 81.8
 111 51.9 39.7 59.5

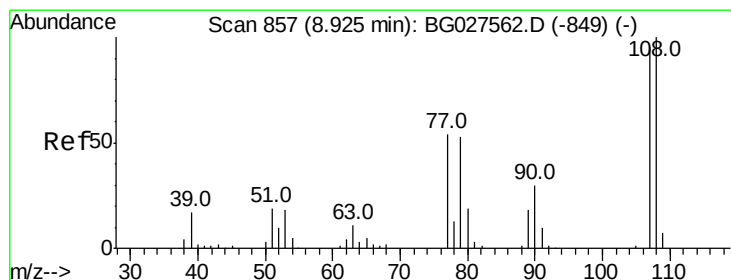
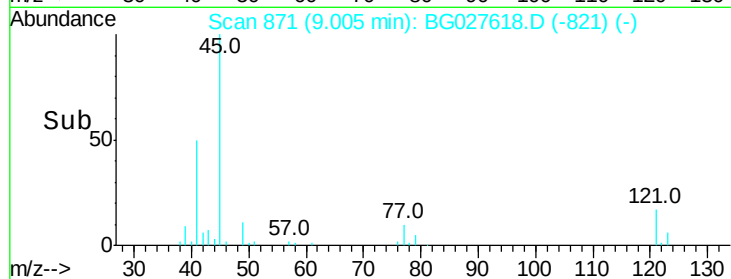
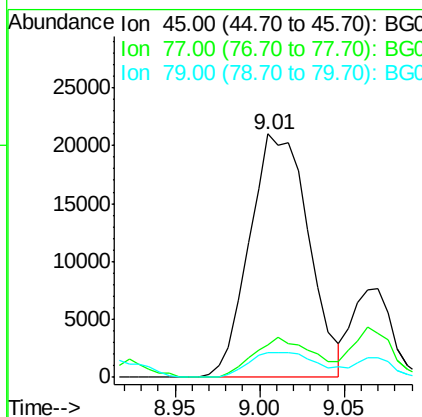
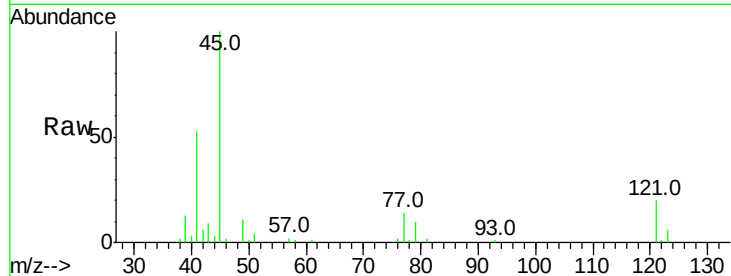




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 17.63 ng
RT: 9.01 min Scan# 871
Delta R.T. -0.01 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

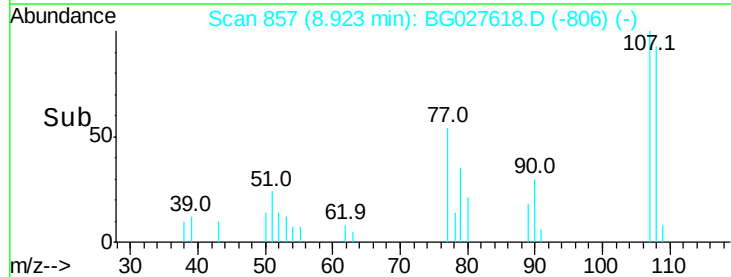
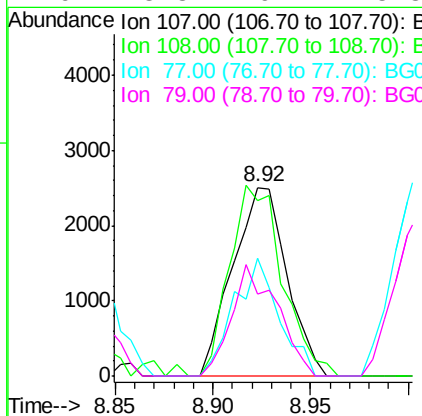
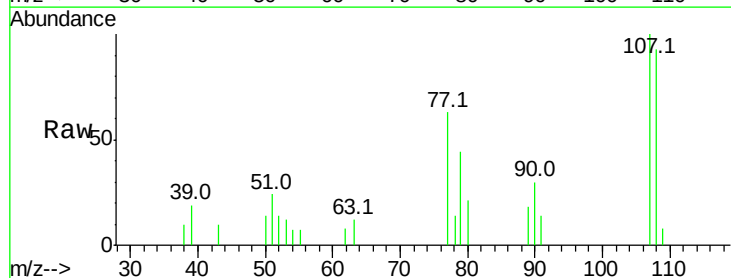
Instrument :
BNA_G
ClientSampleId :

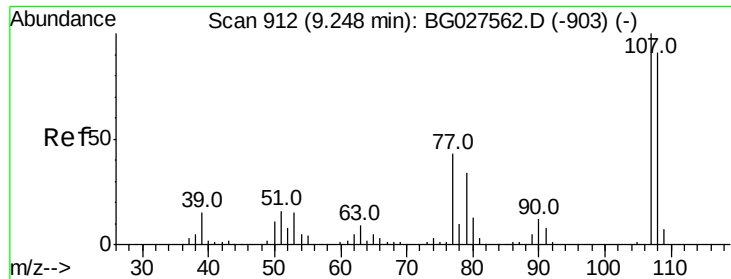
Tot Ion: 45 Resp: 51093
Ion Ratio Lower Upper
45 100
77 13.5 0.0 30.6
79 10.2 0.0 28.5



#17
2-Methylphenol
Concen: 3.06 ng
RT: 8.92 min Scan# 857
Delta R.T. -0.00 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Tgt Ion: 107 Resp: 4799
Ion Ratio Lower Upper
107 100
108 93.1 85.6 128.4
77 62.8 51.4 77.2
79 43.8 49.2 73.8#

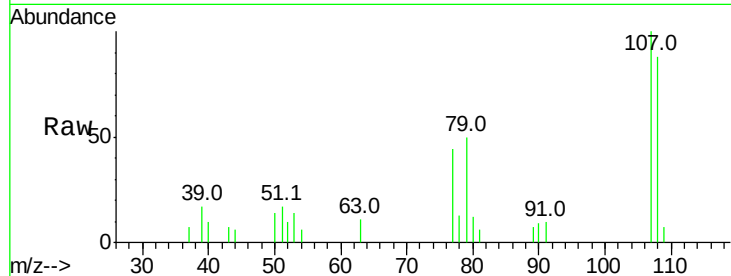




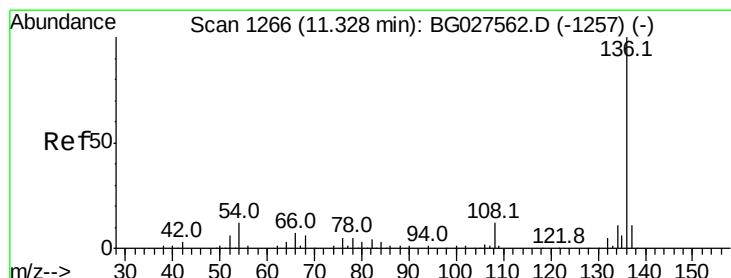
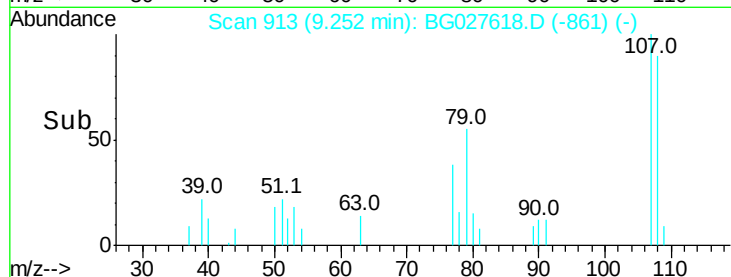
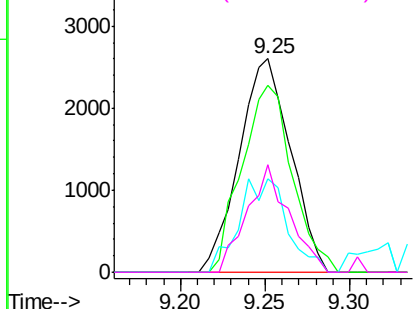
#20
3+4-Methylphenols
Concen: 2.56 ng
RT: 9.25 min Scan# 913
Delta R.T. 0.00 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	5500
Ion	Ratio	Lower	Upper
107	100		
108	87.7	70.8	110.8
77	43.9	25.8	65.8
79	50.1	20.1	60.1

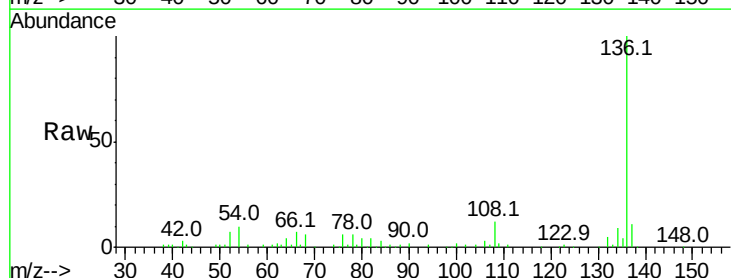


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

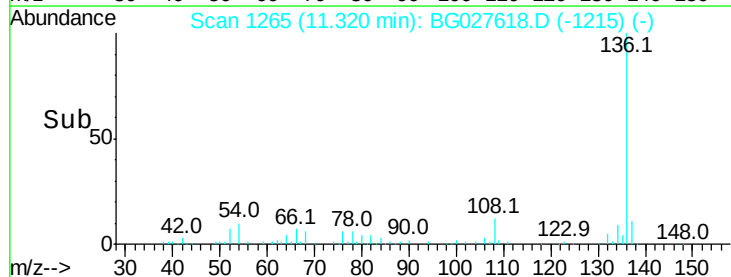
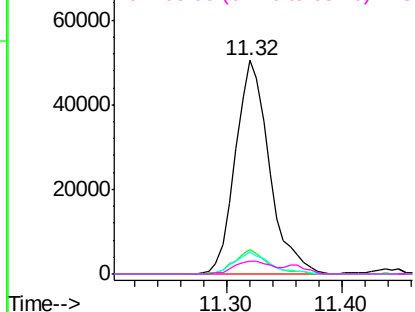


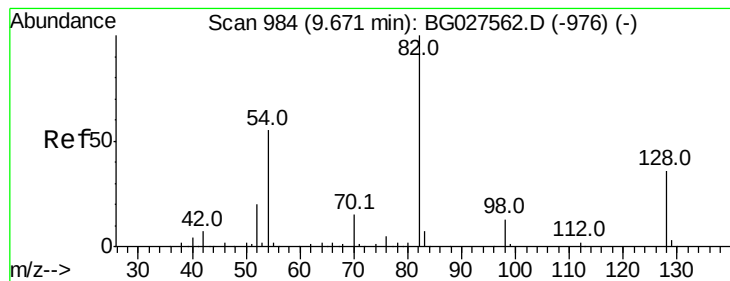
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.32 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Tgt Ion:	136	Resp:	103265
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.9	9.3	13.9
68	5.9	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: 81.52 ng

RT: 9.67 min Scan# 984

Delta R.T. -0.00 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

Instrument :

BNA_G

ClientSampled :

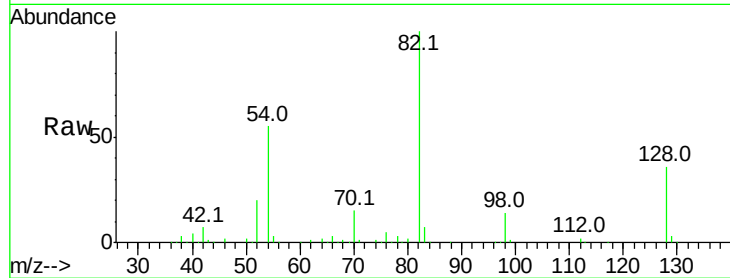
Tot Ion: 82 Resp: 177897

Ion Ratio Lower Upper

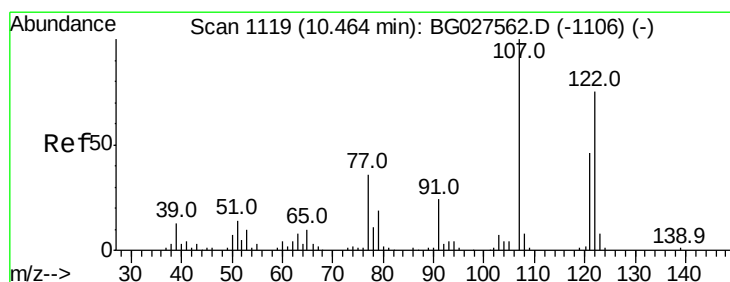
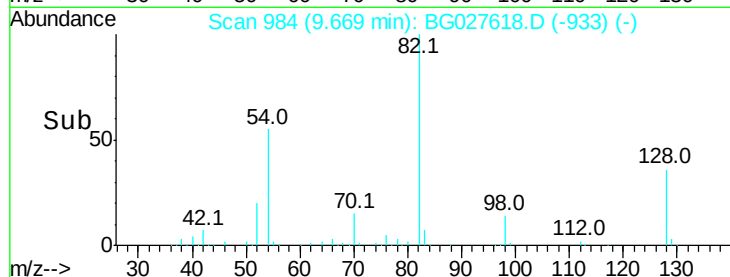
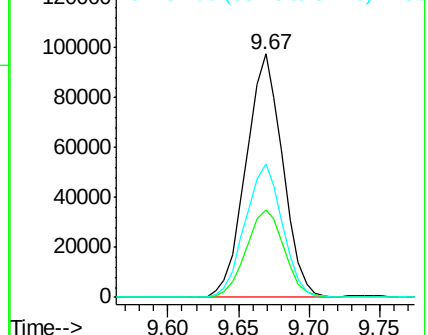
82 100

128 36.1 26.4 39.6

54 55.0 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



#27

2,4-Dimethylphenol

Concen: 11.95 ng

RT: 10.49 min Scan# 1124

Delta R.T. 0.03 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

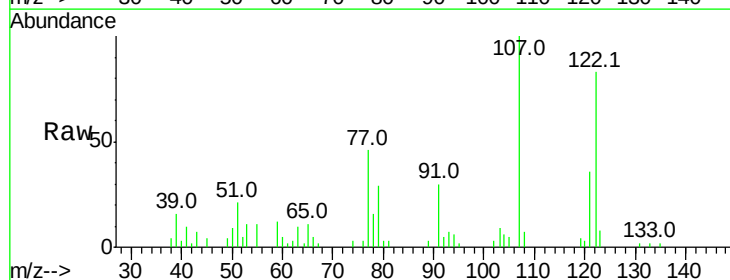
Tgt Ion:122 Resp: 19975

Ion Ratio Lower Upper

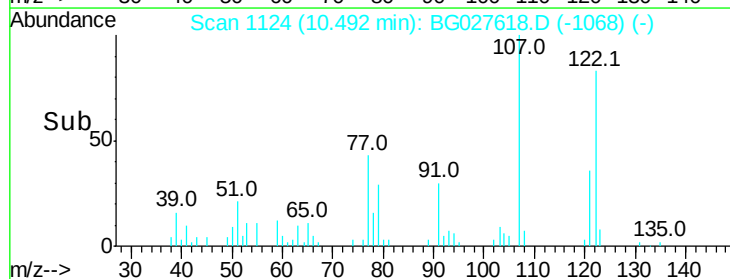
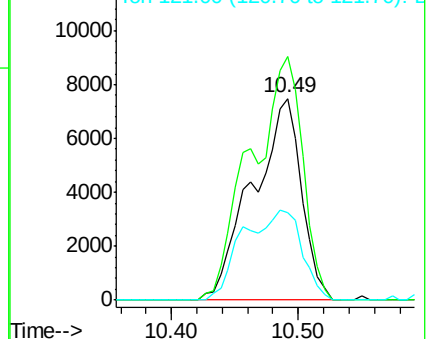
122 100

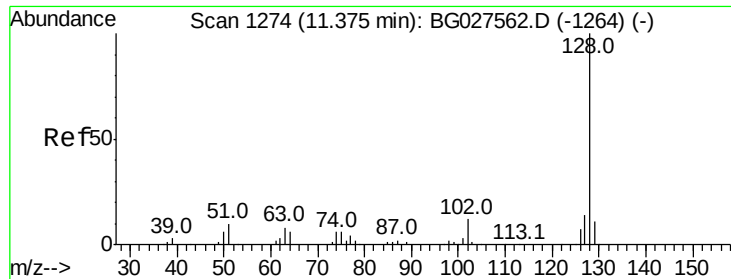
107 120.7 104.2 156.4

121 43.4 46.0 69.0#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC

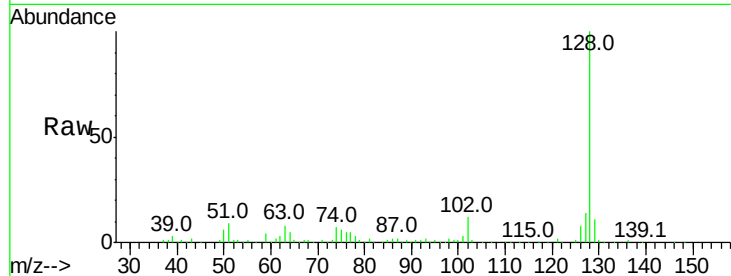




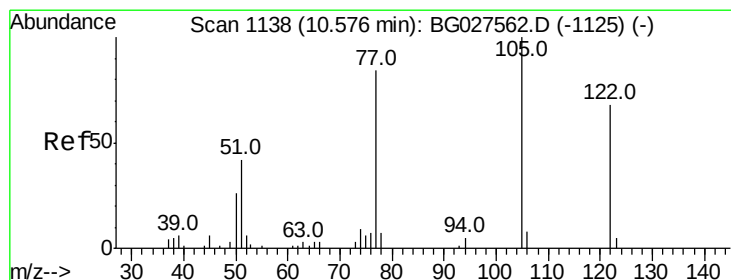
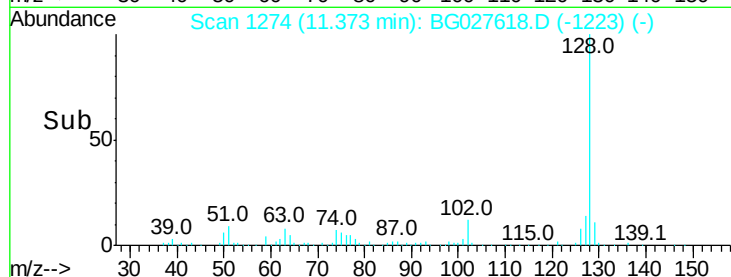
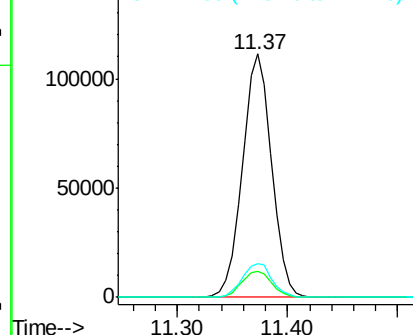
#31
Naphthalene
Concen: 36.89 ng
RT: 11.37 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.3	13.9
127	13.6	11.4	17.0

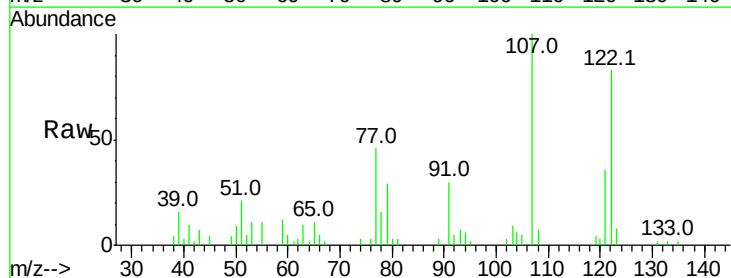


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

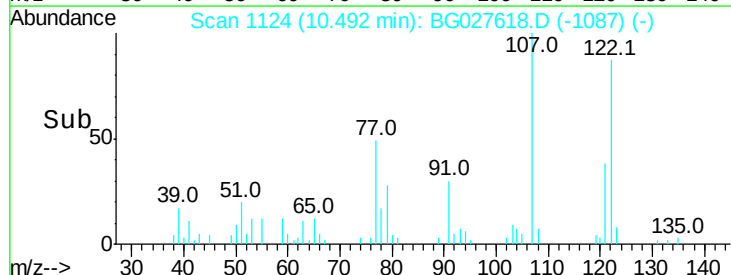
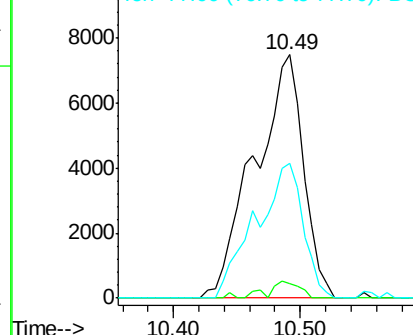


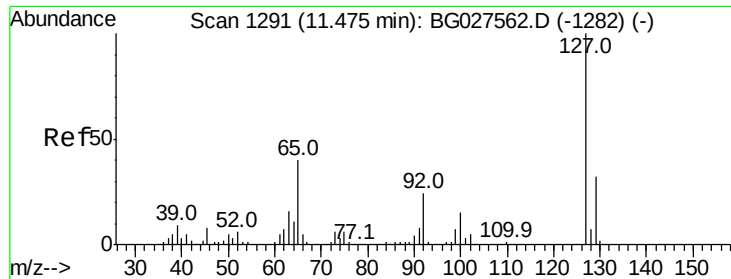
#32
Benzoic acid
Concen: 21.90 ng
RT: 10.49 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Tgt Ion	Ratio	Lower	Upper
122	100		
105	5.7	120.1	160.1#
77	55.1	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): BG

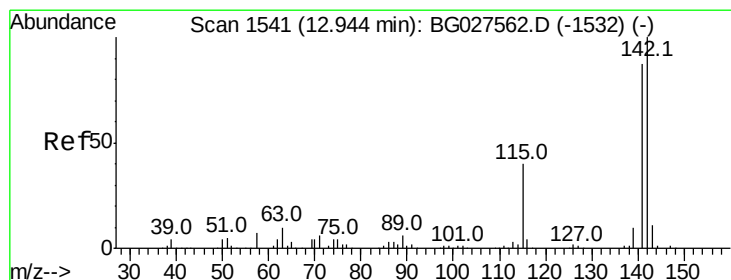
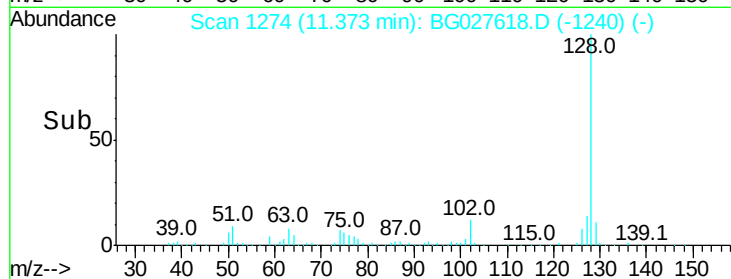
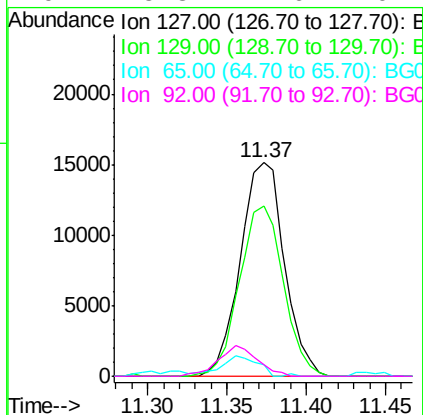
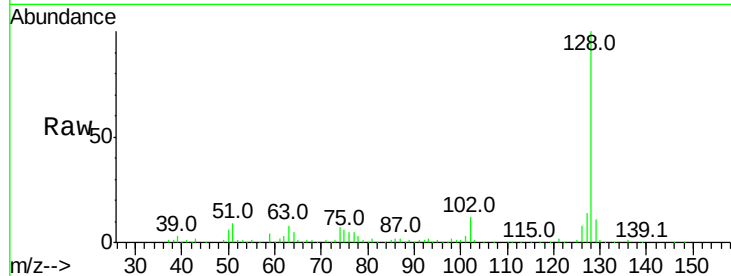




#33
 4-Chloroaniline
 Concen: 12.35 ng
 RT: 11.37 min Scan# 1274
 Delta R.T. -0.10 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

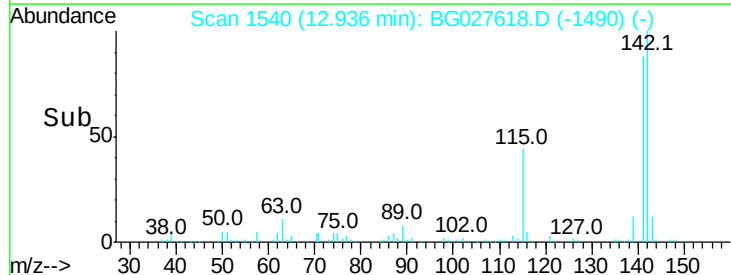
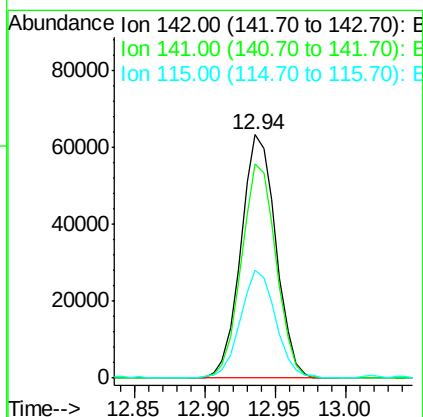
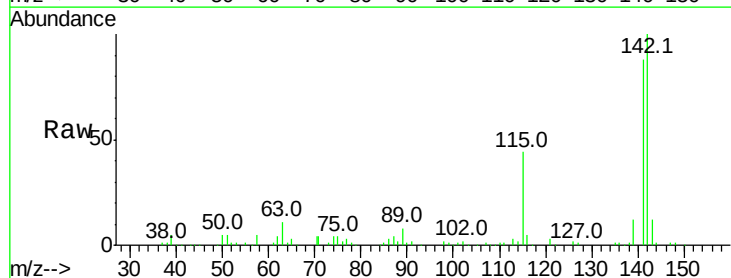
Instrument :
 BNA_G
 ClientSampleId :

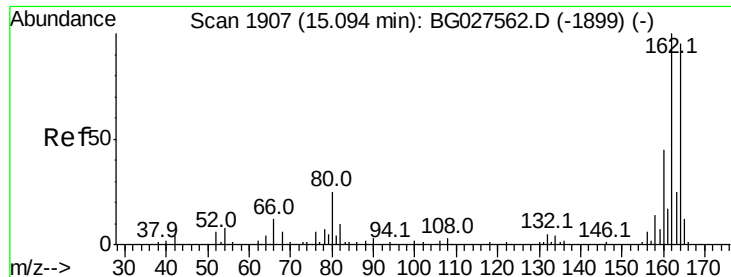
Tot Ion:	127	Resp:	29231
Ion	Ratio	Lower	Upper
127	100		
129	79.7	23.6	35.4#
65	5.3	37.7	56.5#
92	5.3	17.6	26.4#



#37
 2-Methylnaphthalene
 Concen: 26.99 ng
 RT: 12.94 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

Tgt Ion:	142	Resp:	109466
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.4	105.6
115	44.3	35.5	53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.09 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

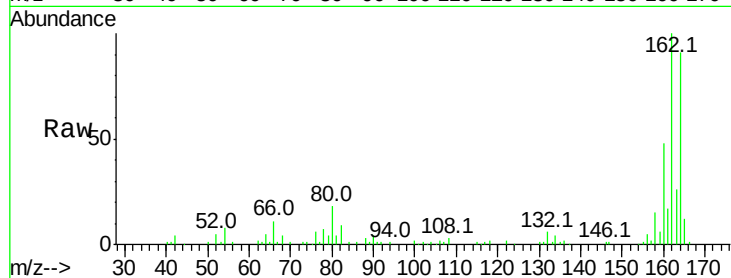
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 60146

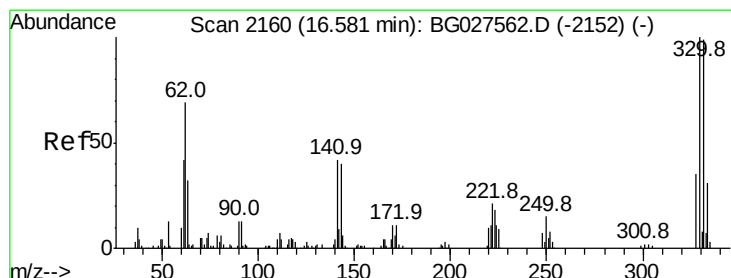
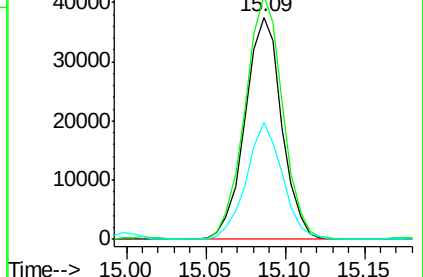
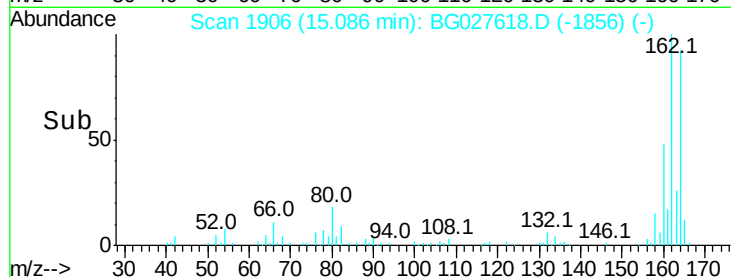
Ion	Ratio	Lower	Upper
164	100		
162	109.7	85.1	127.7
160	52.8	34.7	52.1#



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: 178.22 ng

RT: 16.57 min Scan# 2159

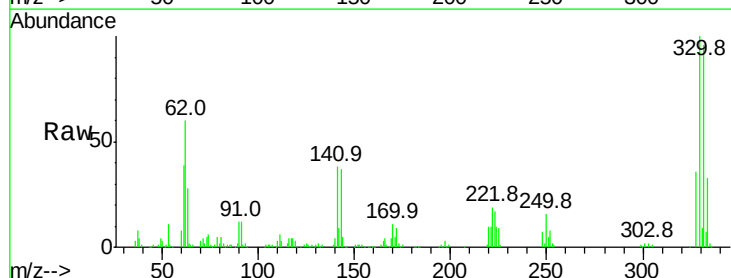
Delta R.T. -0.01 min

Lab File: BG027618.D

Acq: 23 Jun 2017 5:58

Tgt Ion:330 Resp: 159810

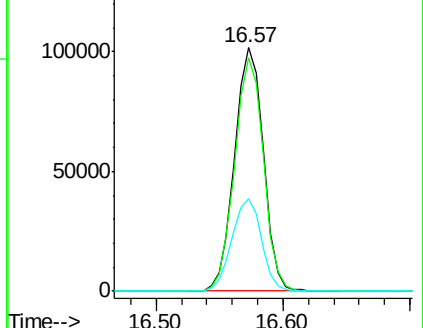
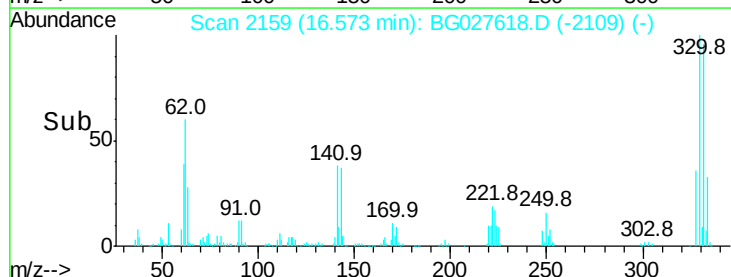
Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.3	115.9
141	38.8	32.1	48.1

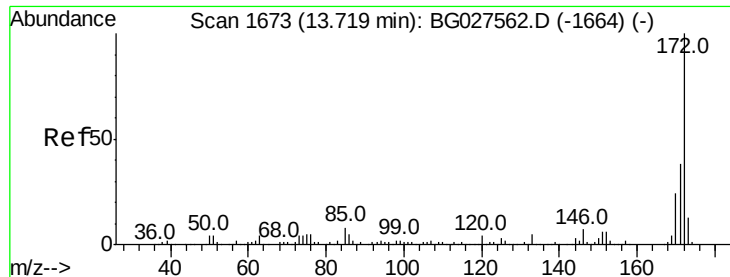


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

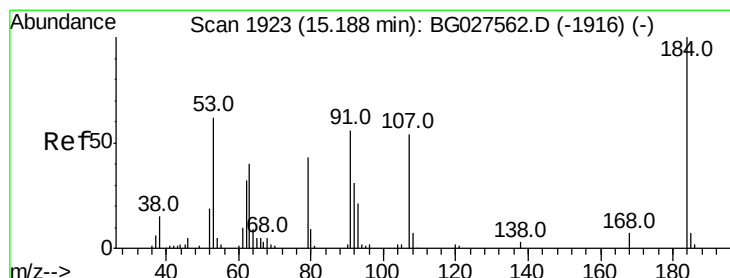
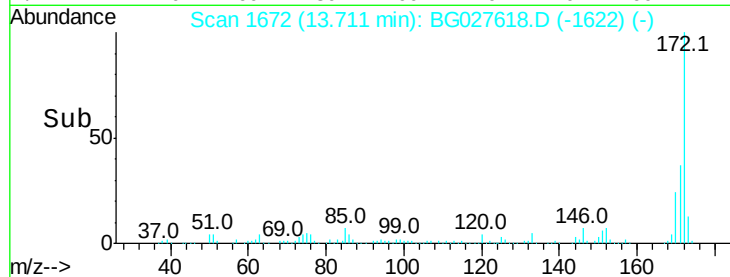
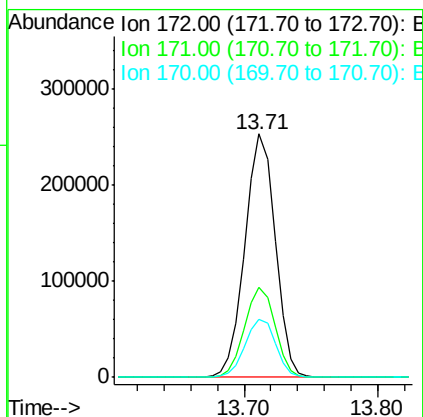
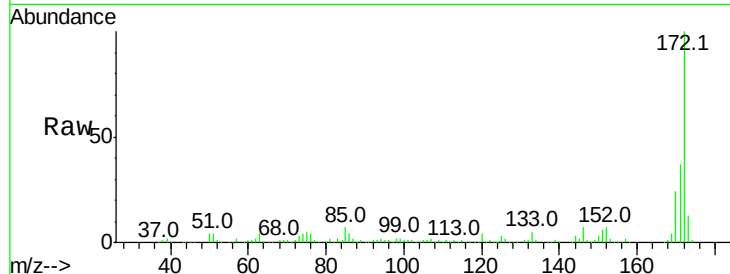




#44
 2-Fluorobiphenyl
 Concen: 89.98 ng
 RT: 13.71 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

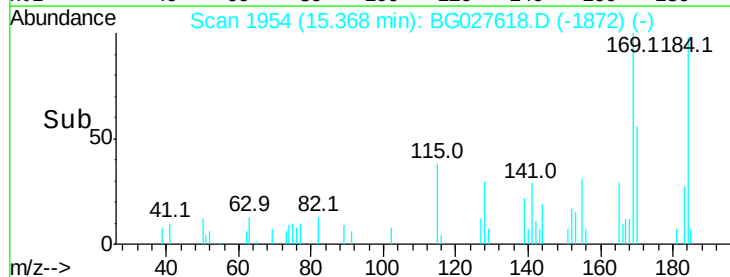
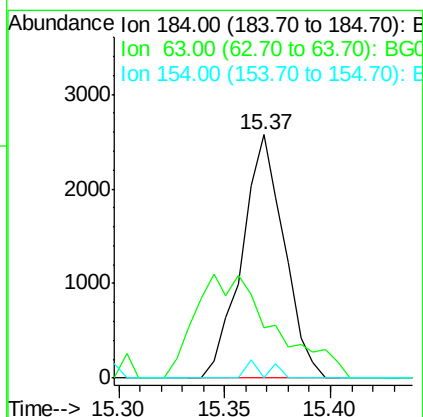
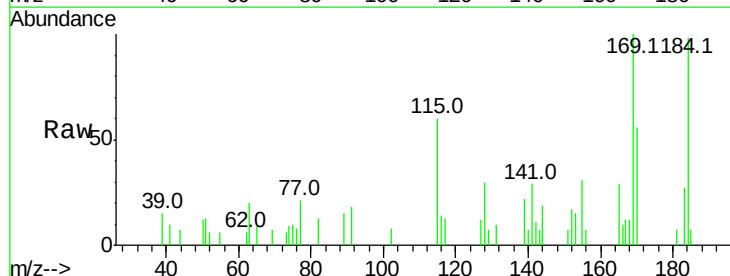
Instrument :
 BNA_G
 ClientSampleId :

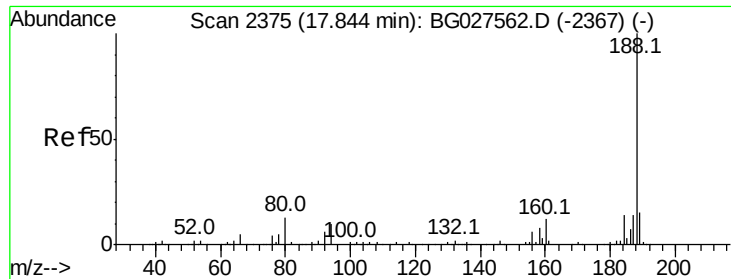
Tot Ion:172 Resp: 396171
 Ion Ratio Lower Upper
 172 100
 171 37.0 32.2 48.2
 170 23.6 21.8 32.6



#53
 2,4-Dinitrophenol
 Concen: 5.53 ng
 RT: 15.37 min Scan# 1954
 Delta R.T. 0.18 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

Tgt Ion:184 Resp: 3570
 Ion Ratio Lower Upper
 184 100
 63 20.5 52.7 79.1#
 154 0.0 57.3 85.9#

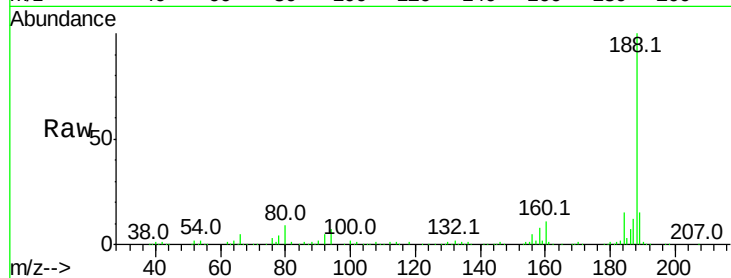




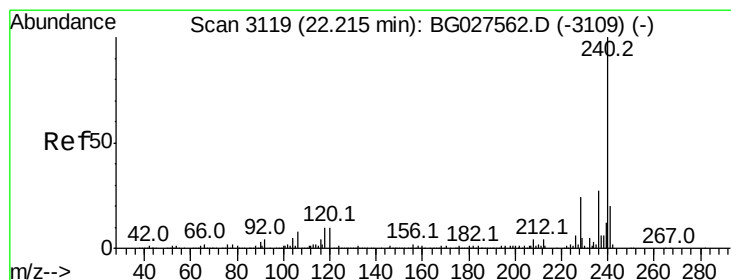
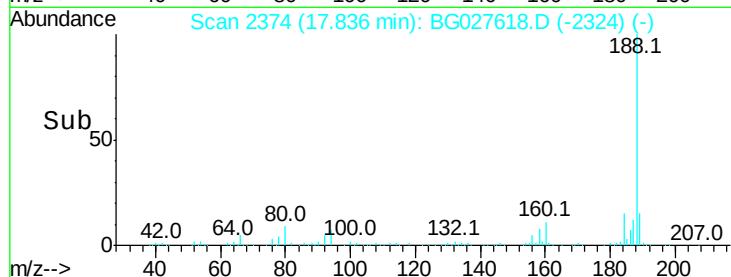
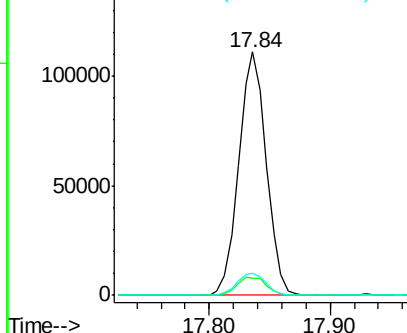
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.84 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 176002
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.8
80 9.2 7.5 11.3

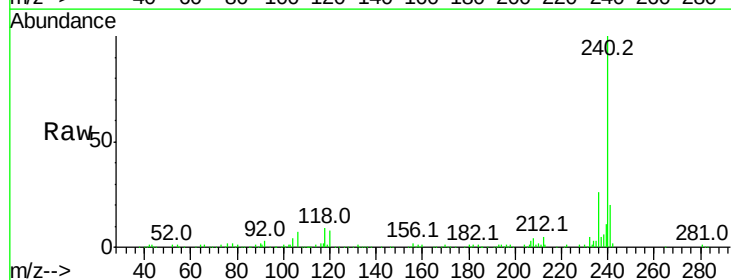


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

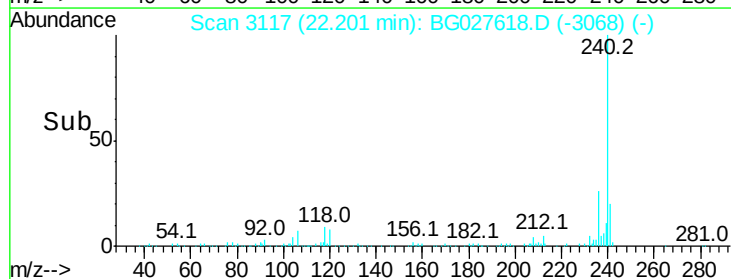
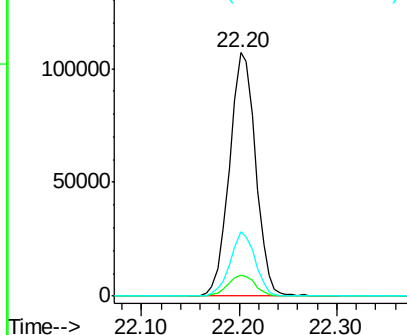


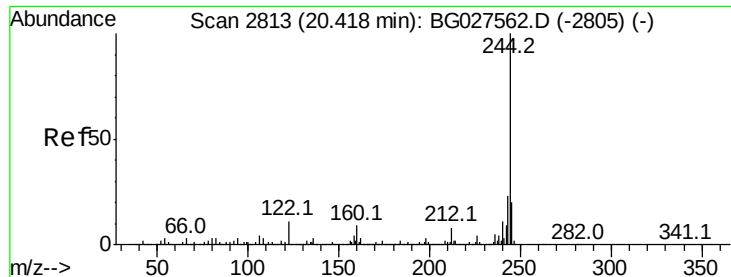
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.20 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Tgt Ion:240 Resp: 199399
Ion Ratio Lower Upper
240 100
120 8.4 5.7 8.5
236 26.2 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

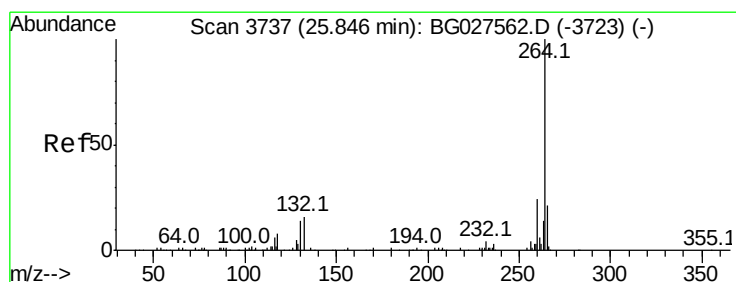
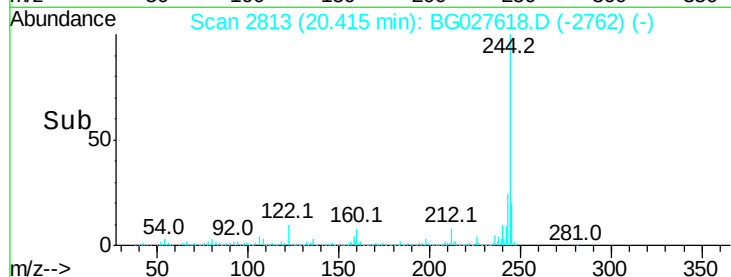
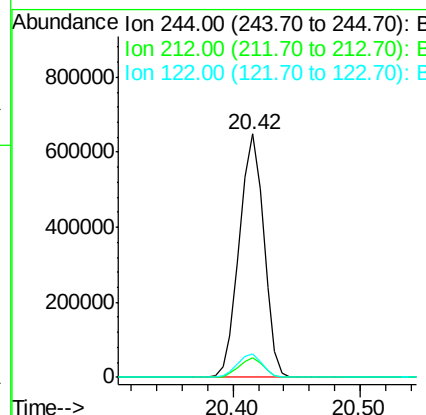
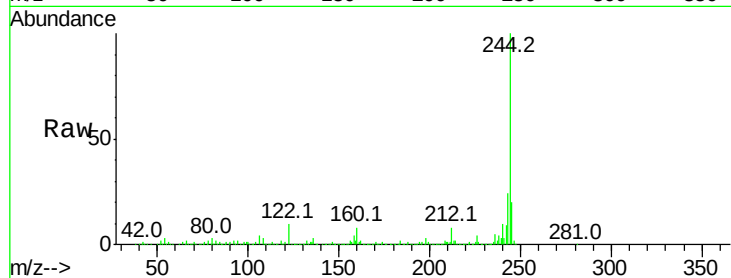




#78
 Terphenyl-d14
 Concen: 102.55 ng
 RT: 20.42 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	10.0	15.0#
122	9.6	8.6	12.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.84 min Scan# 3736
 Delta R.T. -0.01 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	21.8	32.8#
265	22.9	18.2	27.4

