

Data Path : \\74.0.250.170\SV0ASRV\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 :
 WC-B53-B54-002

Quant Time: Jun 23 07:15:57 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

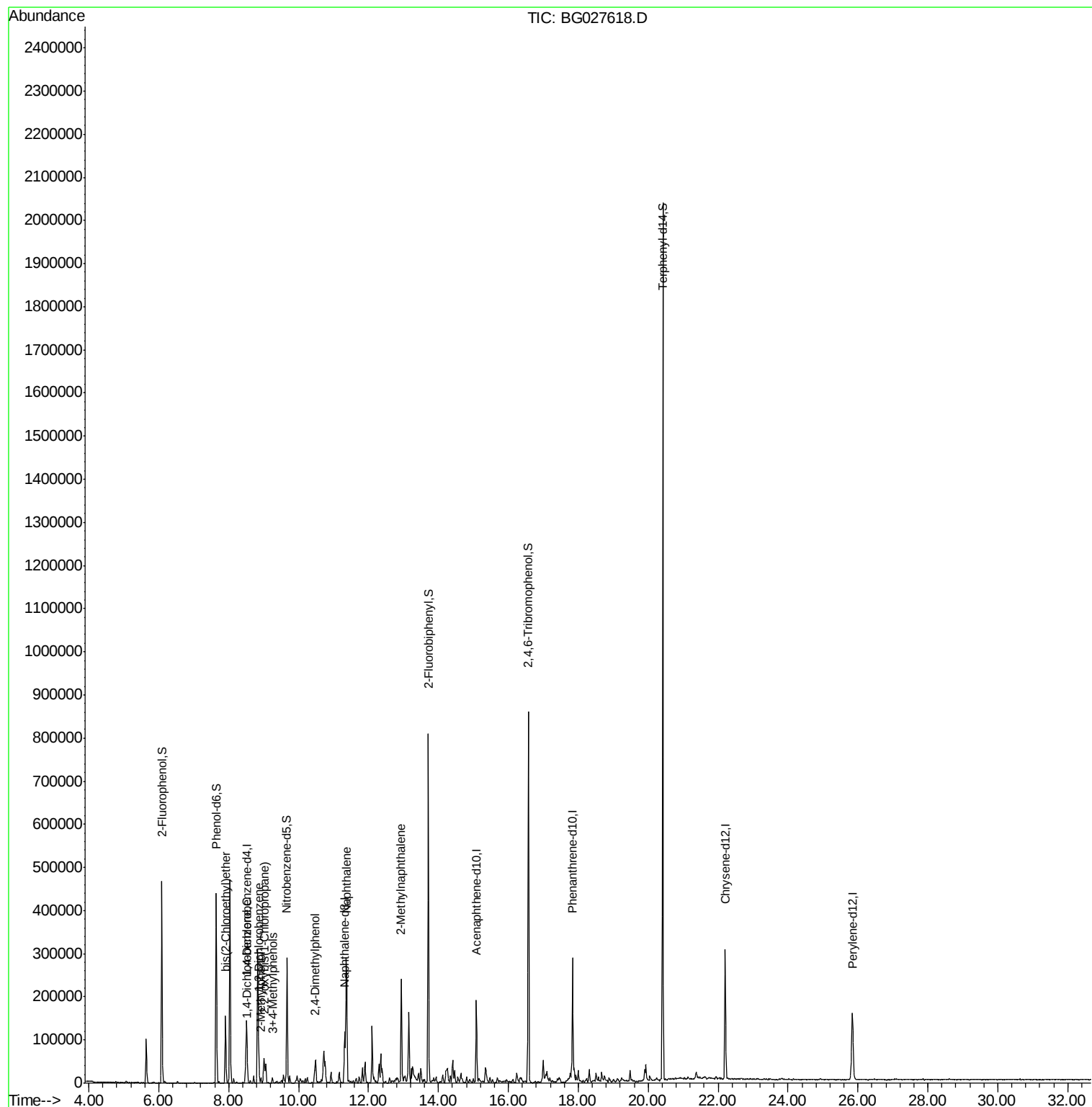
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.51	152	21061	20.00	ng	0.00
21) Naphthalene-d8	11.32	136	103265	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	60146	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	176002	20.00	ng	0.00
75) Chrysene-d12	22.20	240	199399	20.00	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
11) bis(2-Chloroethyl)ether	7.91	93	86492	49.52	ng	89
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
37) 2-Methylnaphthalene	12.94	142	109466	26.99	ng	100

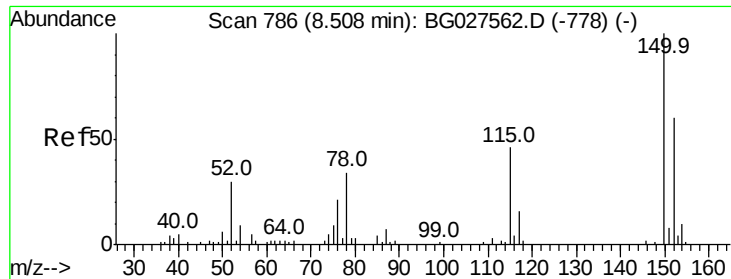
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampleId :

WC-B53-B54-002

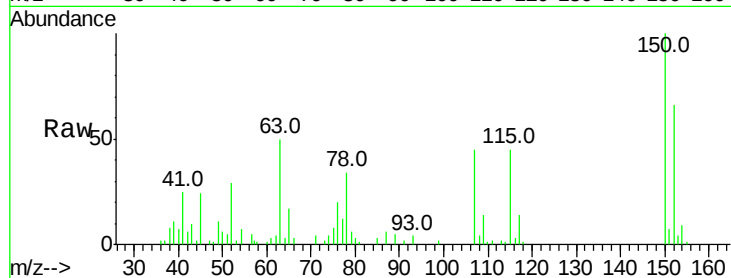
Tot Ion:152 Resp: 21061

Ion Ratio Lower Upper

152 100

150 151.7 114.0 171.0

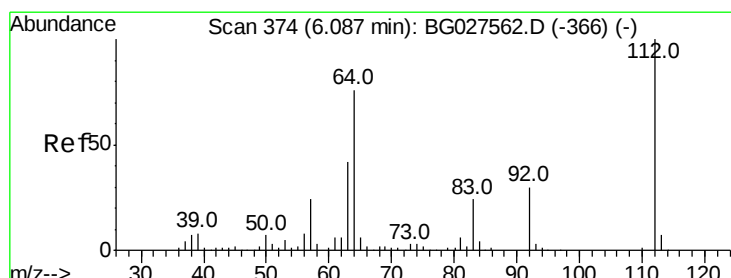
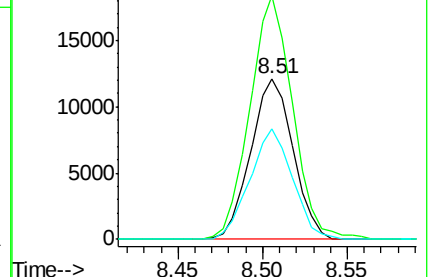
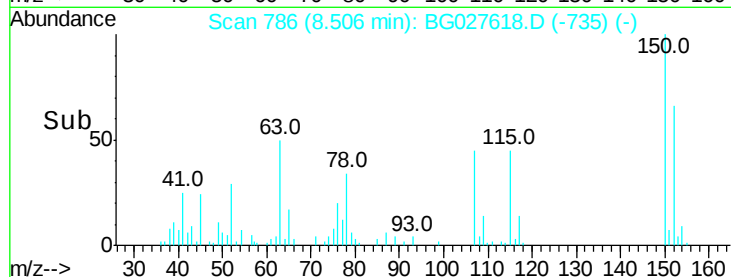
115 68.5 48.1 72.1



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

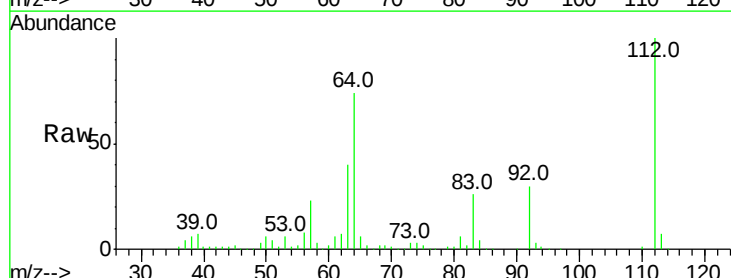
Tgt Ion:112 Resp: 189907

Ion Ratio Lower Upper

112 100

64 74.3 61.8 92.6

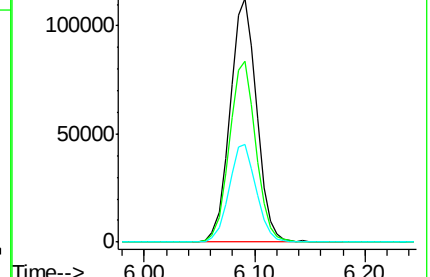
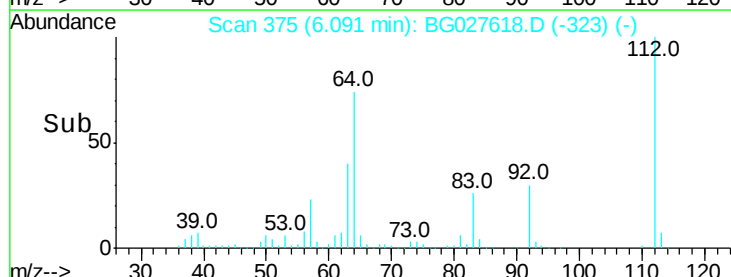
63 40.3 37.2 55.8

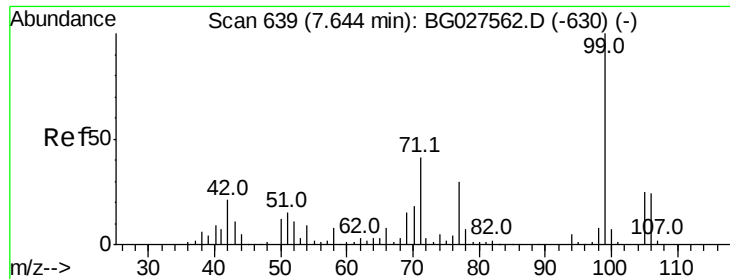


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): 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

Instrument :

BNA_G

ClientSampleId :

WC-B53-B54-002

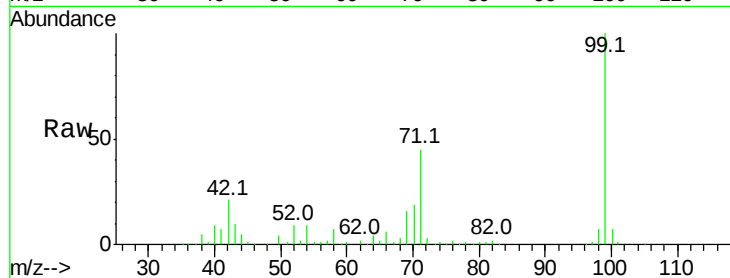
Tot Ion: 99 Resp: 245079

Ion Ratio Lower Upper

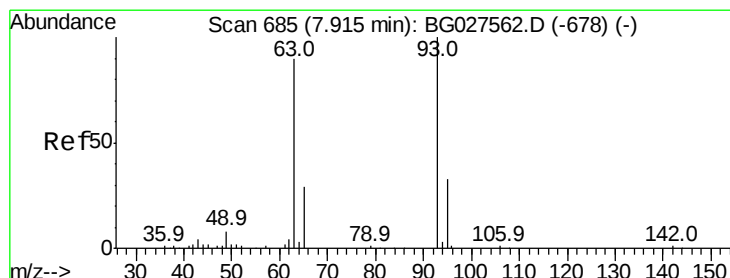
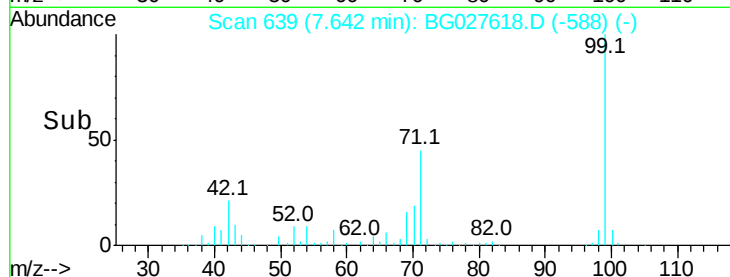
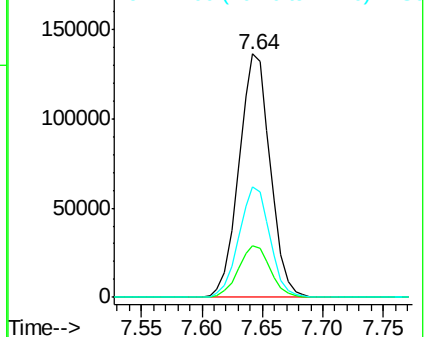
99 100

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

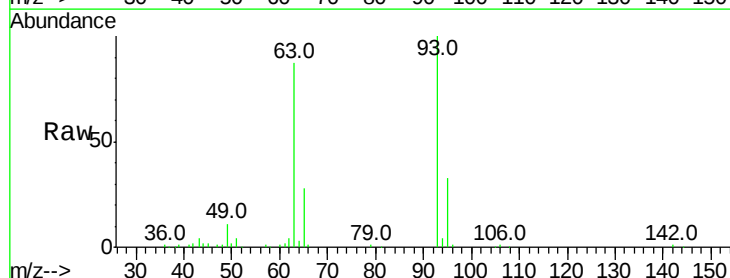
Tgt Ion: 93 Resp: 86492

Ion Ratio Lower Upper

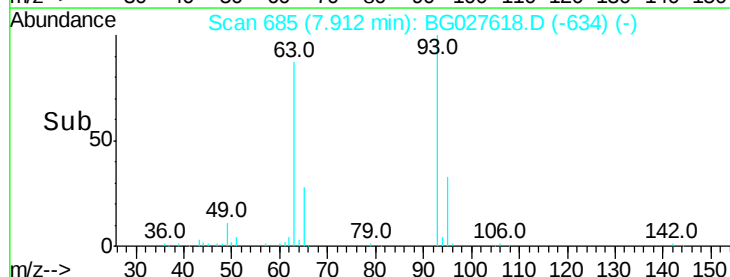
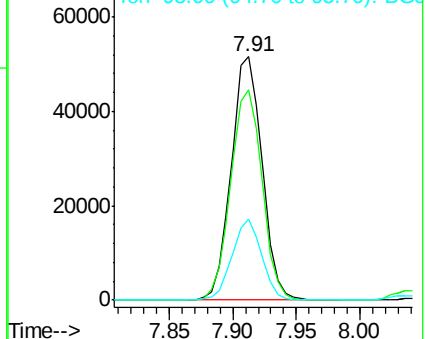
93 100

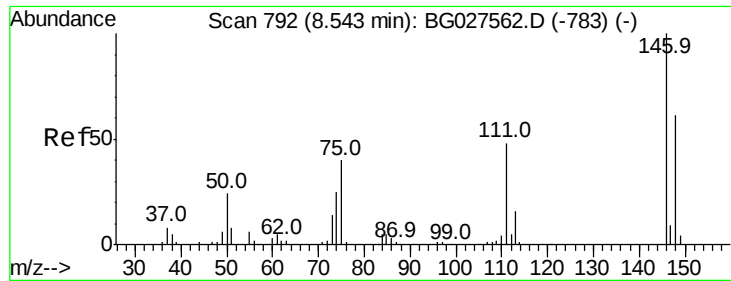
63 86.6 78.5 118.5

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

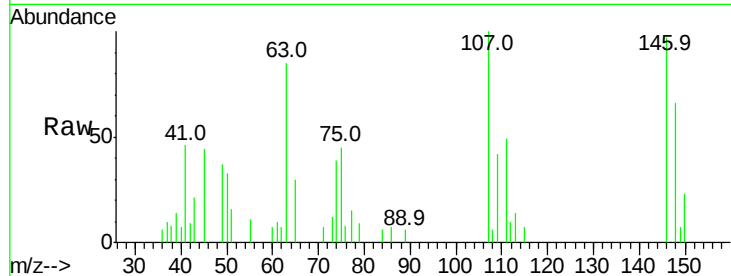




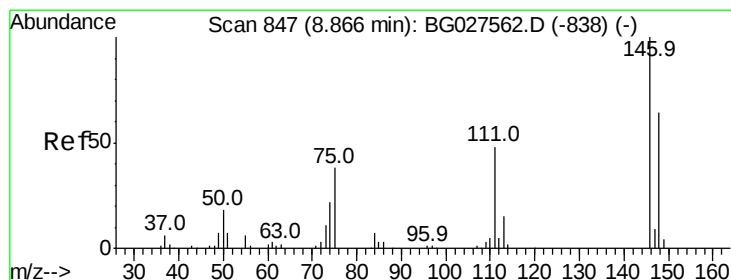
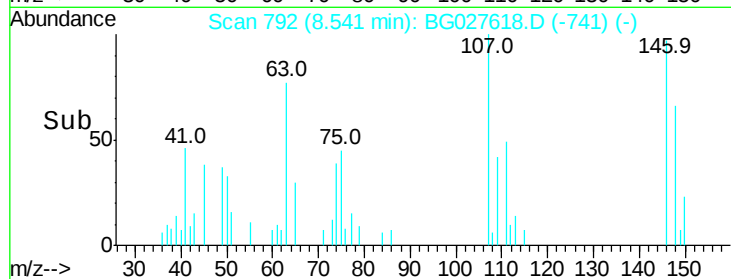
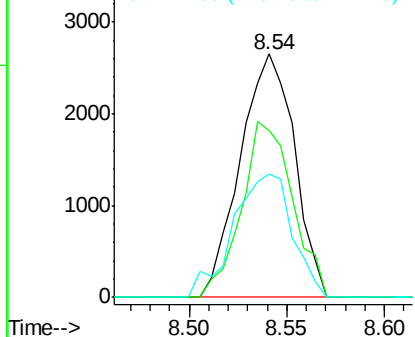
#13
 1,4-Dichlorobenzene
 Concen: 3.05 ng
 RT: 8.54 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

Instrument :
 BNA_G
 ClientSampleId :
 WC-B53-B54-002

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

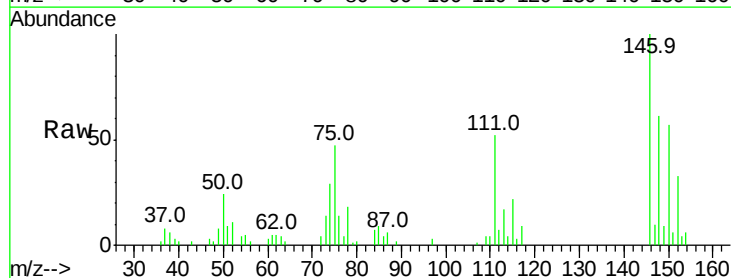


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

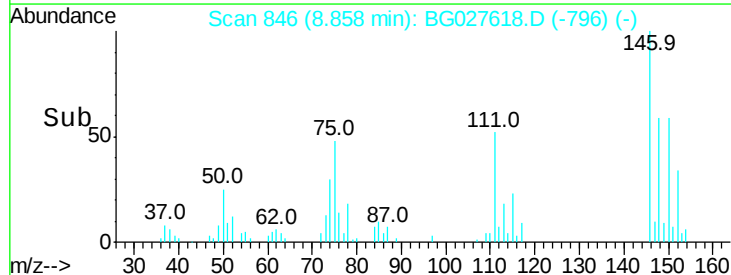
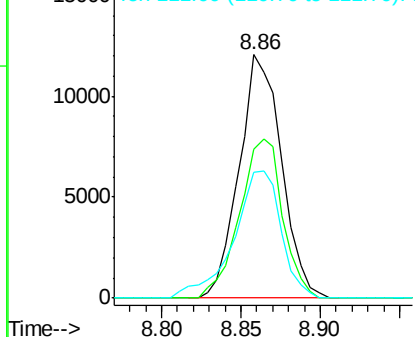


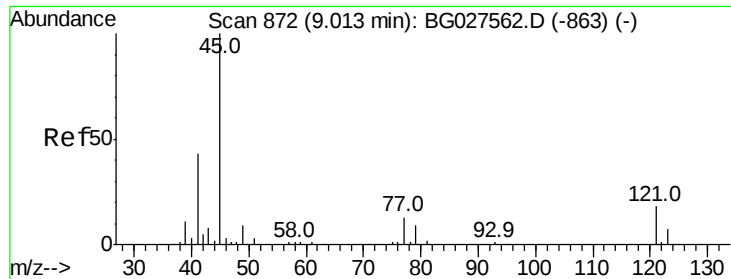
#14
 1,2-Dichlorobenzene
 Concen: 13.64 ng
 RT: 8.86 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

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



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

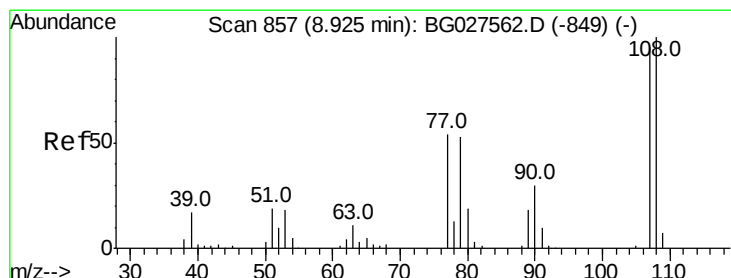
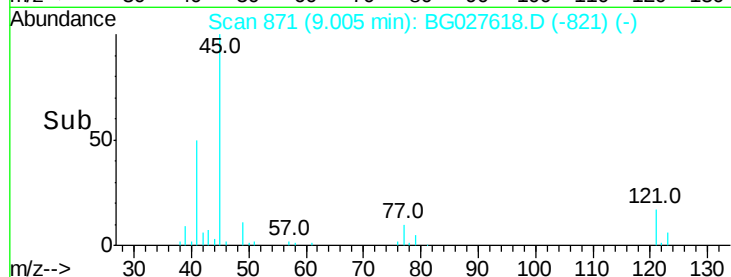
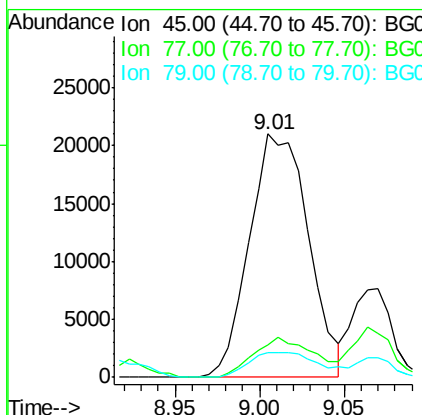
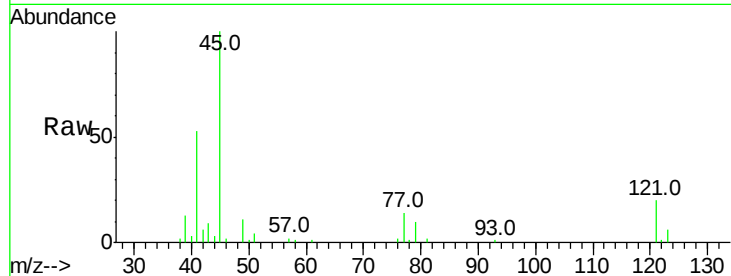




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 17.63 ng
RT: 9.01 min Scan# 871
Delta R.T. -0.01 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

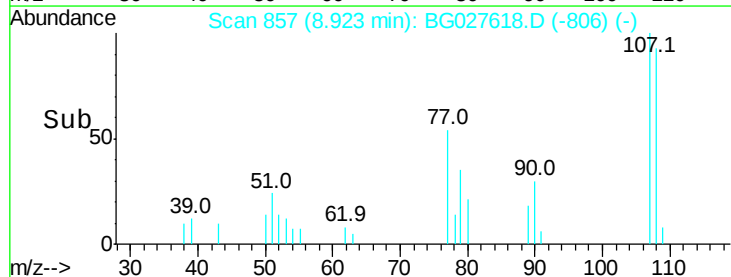
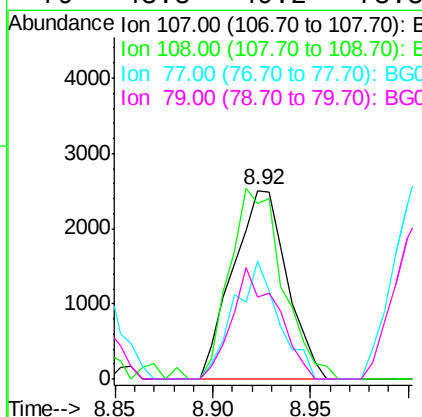
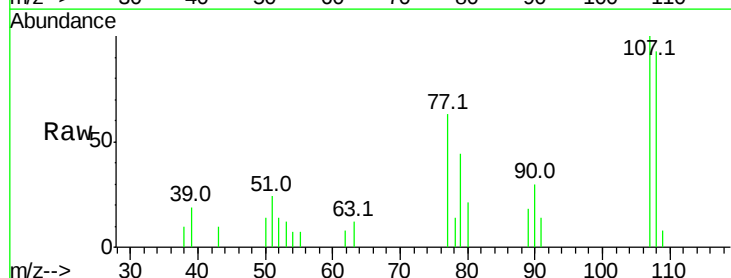
Instrument :
BNA_G
ClientSampleId :
WC-B53-B54-002

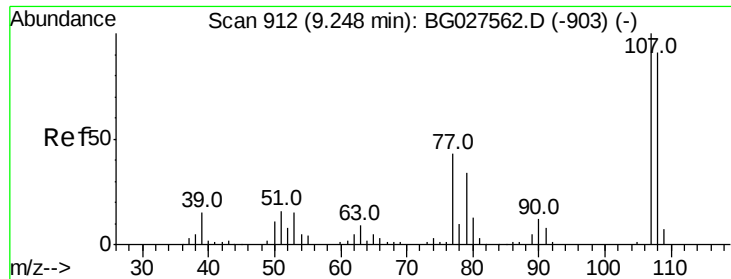
Tot Ion: 45 Resp: 51093
Ion Ratio Lower Upper
45 100
77 13.5 0.0 30.6
79 10.2 0.0 28.5



#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#

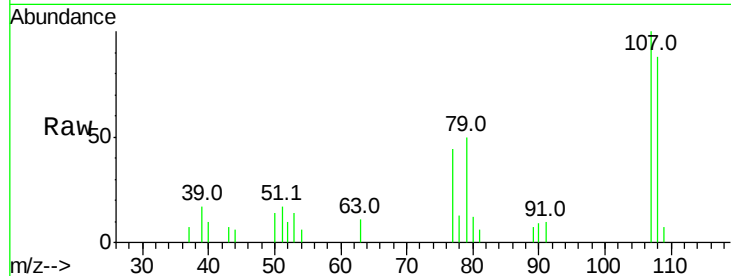




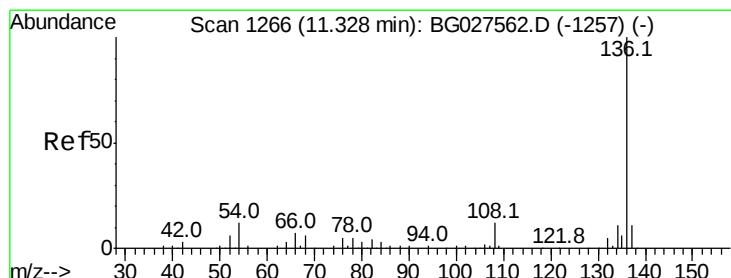
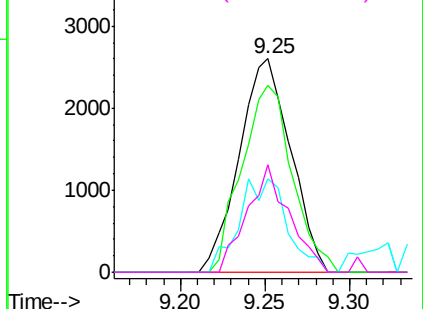
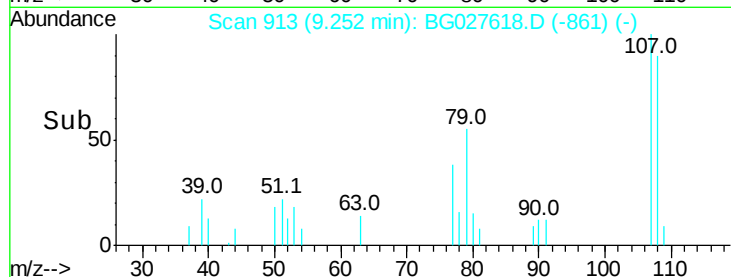
#20
3+4-Methylphenols
Concen: 2.56 ng
RT: 9.25 min Scan# 913
Delta R.T. 0.00 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Instrument :
BNA_G
ClientSampleId :
WC-B53-B54-002

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

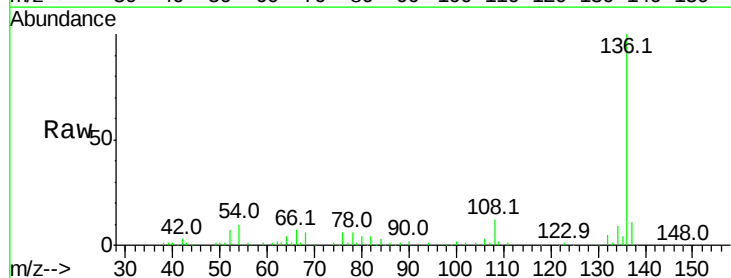


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

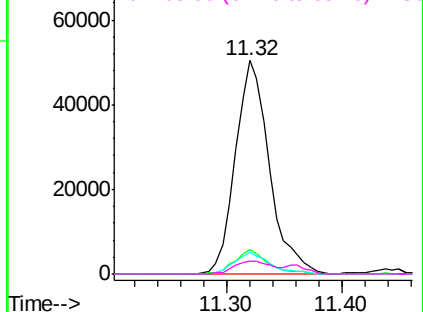
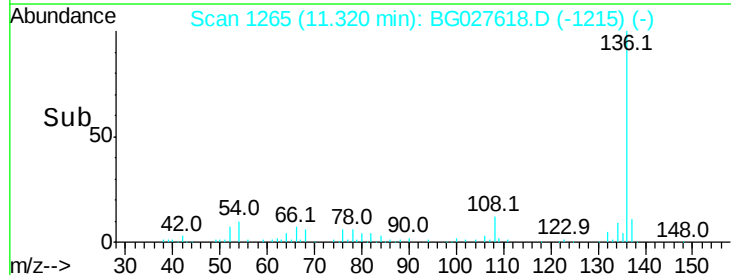


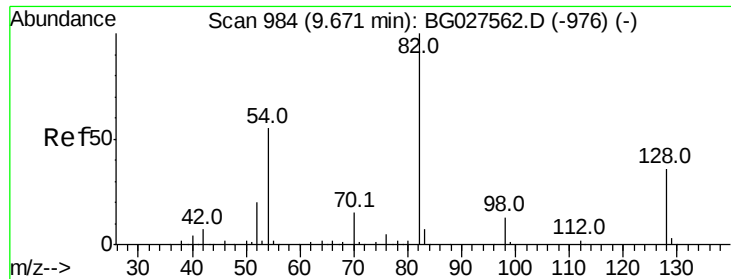
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.32 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

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

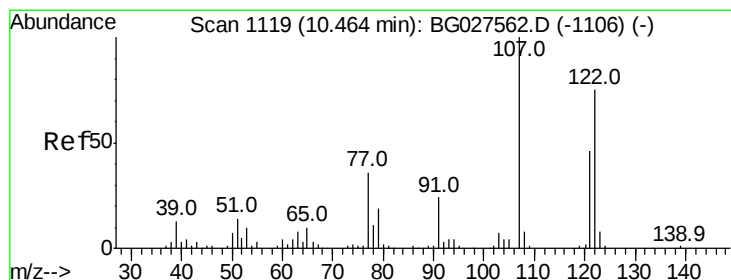
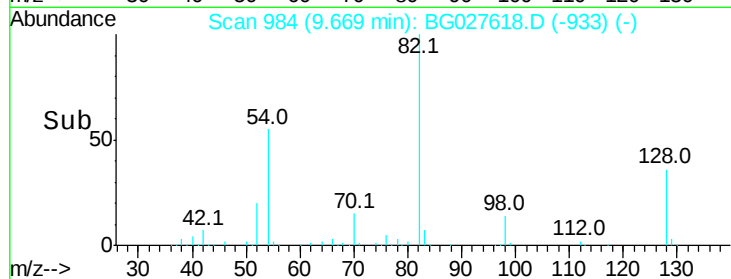
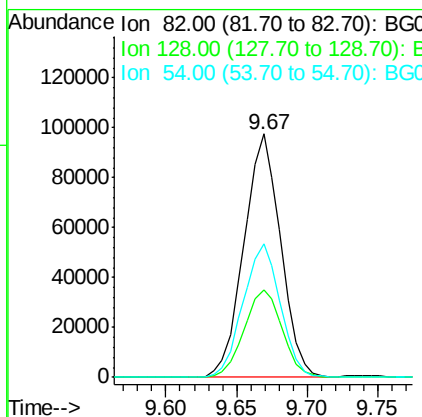
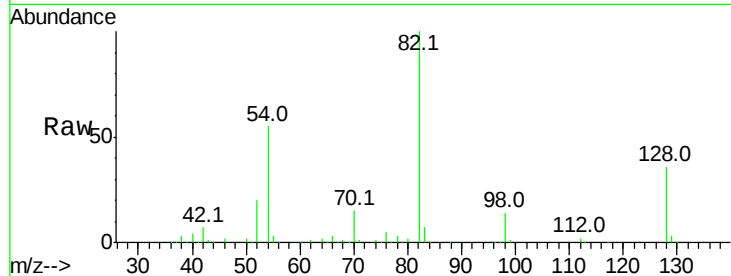




#23
Nitrobenzene-d5
Concen: 81.52 ng
RT: 9.67 min Scan# 984
Delta R.T. -0.00 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

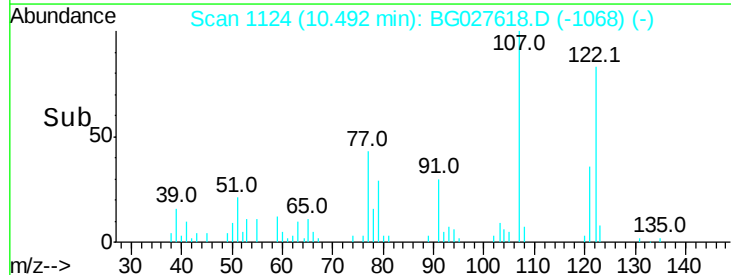
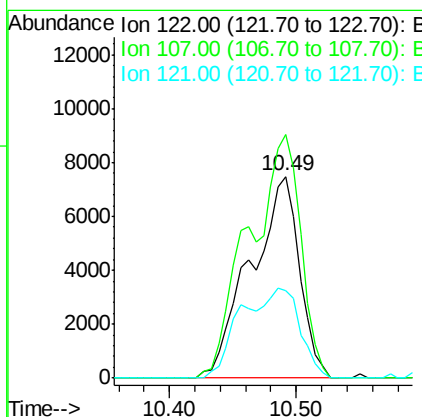
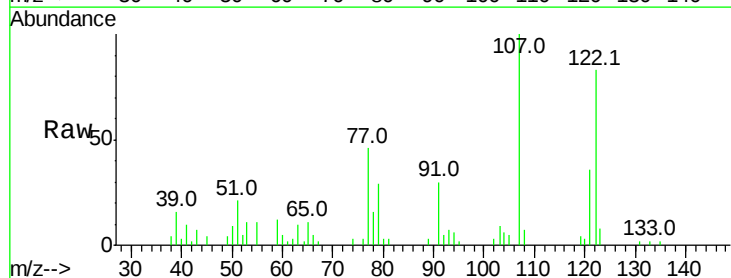
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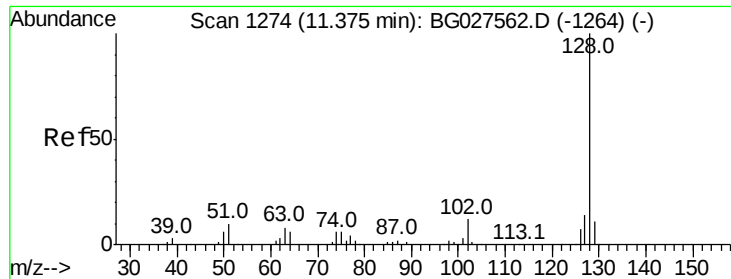
Tot Ion	82	Resp	177897
Ion Ratio	Lower	Upper	
82	100		
128	36.1	26.4	39.6
54	55.0	49.4	74.2



#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#

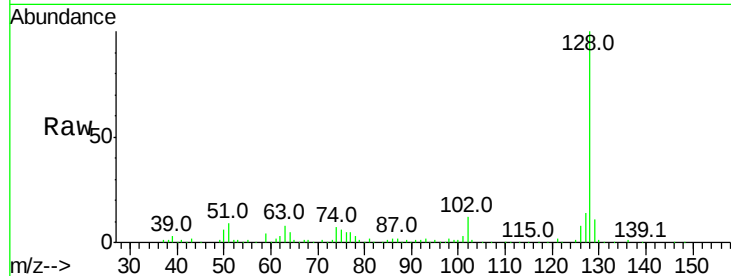




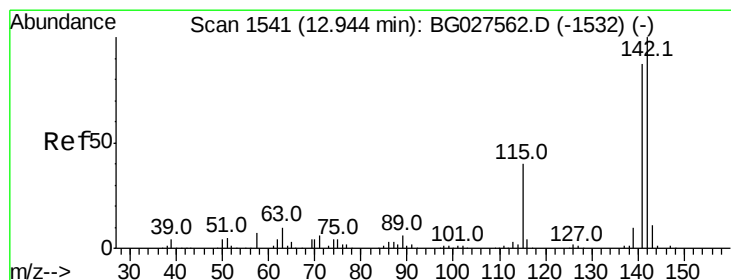
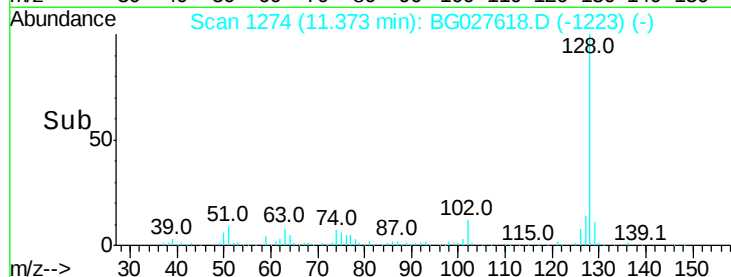
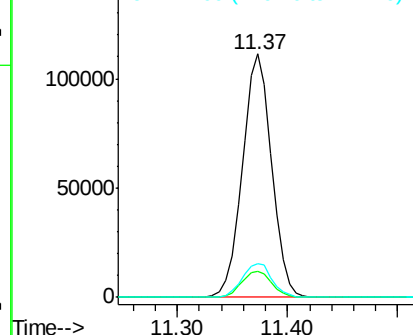
#31
Naphthalene
Concen: 36.89 ng
RT: 11.37 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

Instrument :
BNA_G
ClientSampleId :
WC-B53-B54-002

Tot Ion:128 Resp: 205891
Ion Ratio Lower Upper
128 100
129 10.8 9.3 13.9
127 13.6 11.4 17.0

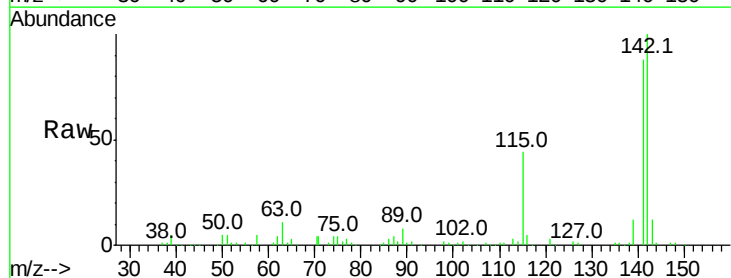


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

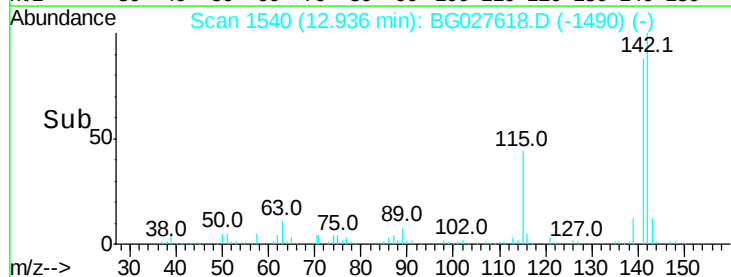
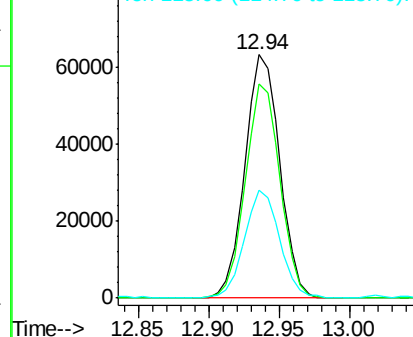


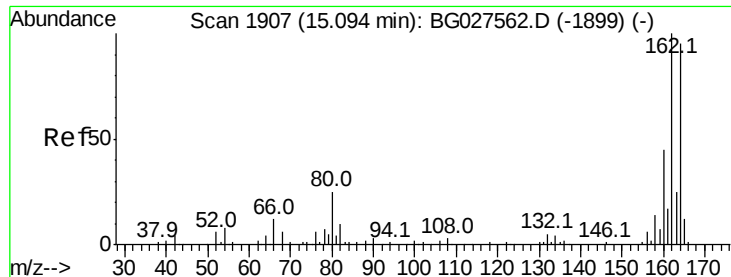
#37
2-Methylnaphthalene
Concen: 26.99 ng
RT: 12.94 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BG027618.D
Acq: 23 Jun 2017 5:58

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



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

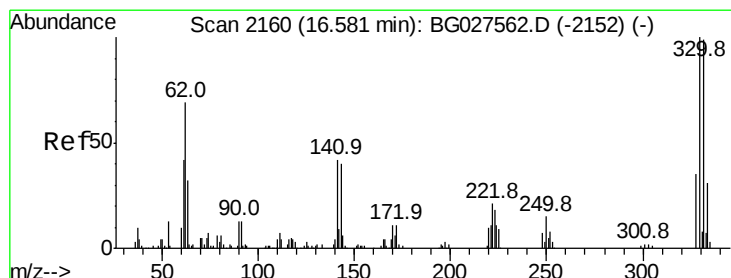
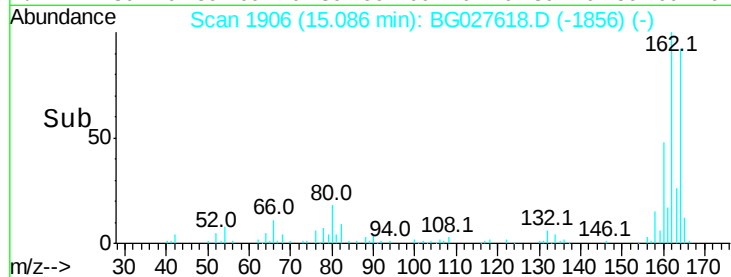
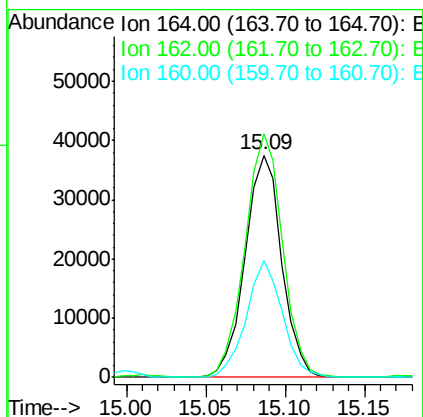
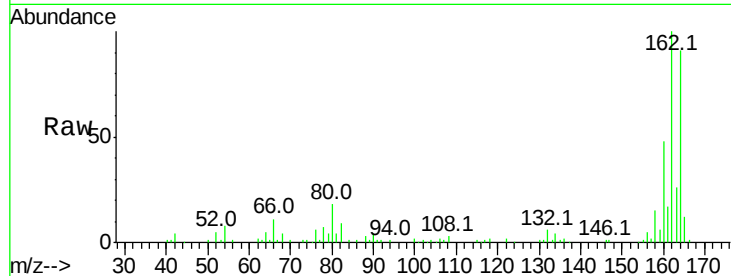




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

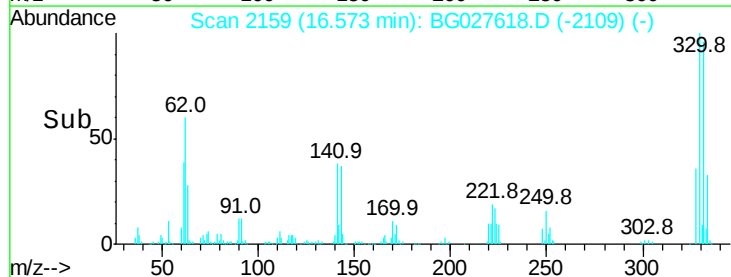
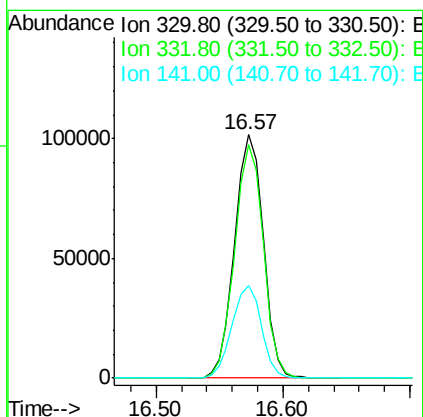
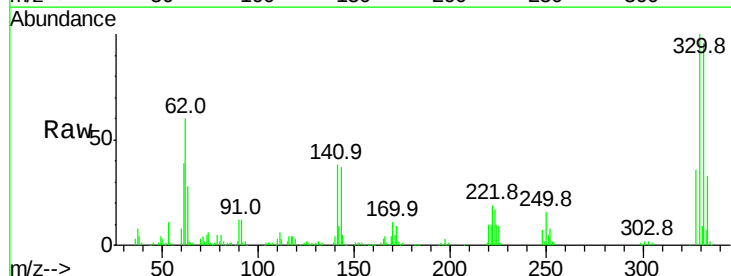
Instrument :
 BNA_G
 ClientSampleId :
 WC-B53-B54-002

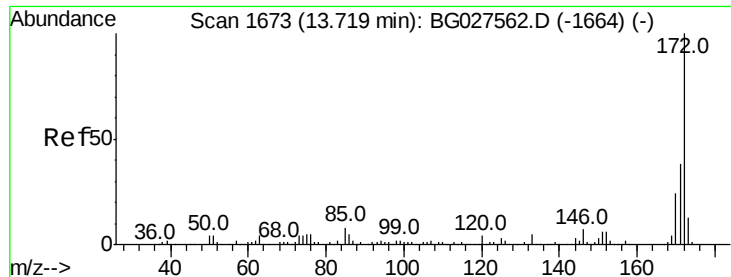
Tot Ion:164 Resp: 60146
 Ion Ratio Lower Upper
 164 100
 162 109.7 85.1 127.7
 160 52.8 34.7 52.1#



#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

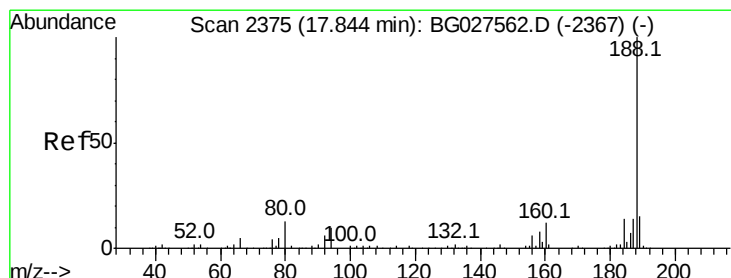
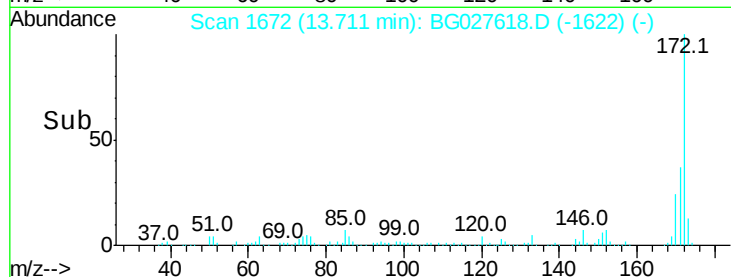
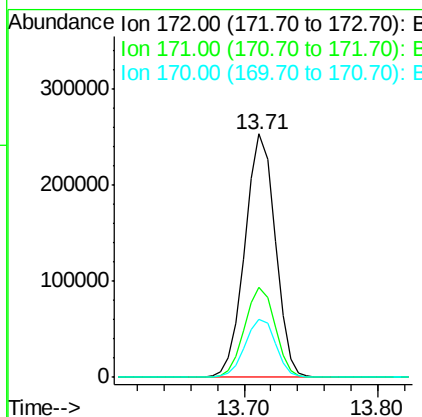
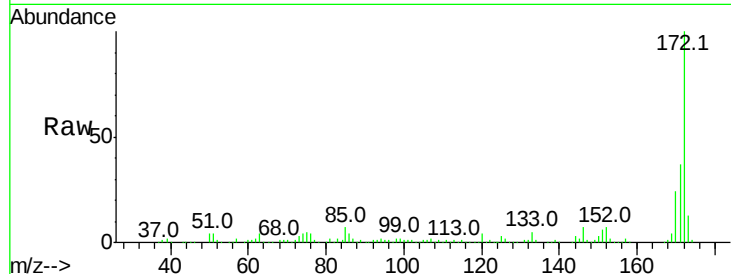




#44
 2-Fluorobiphenyl
 Concen: 89.98 ng
 RT: 13.71 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BG027618.D
 Acq: 23 Jun 2017 5:58

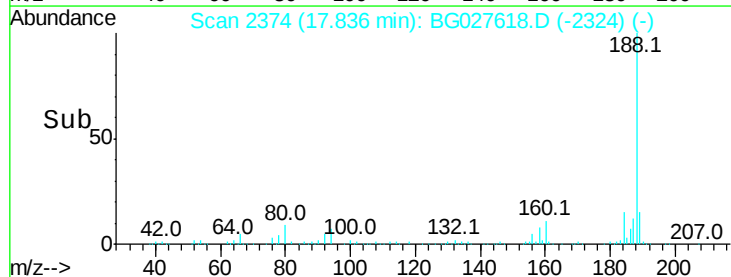
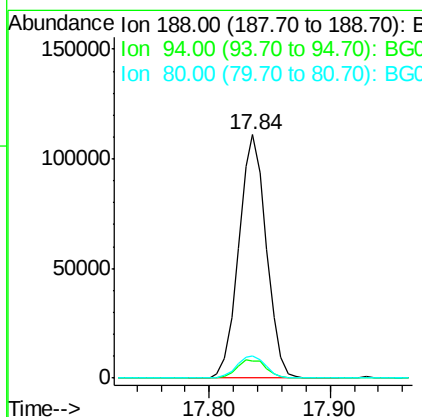
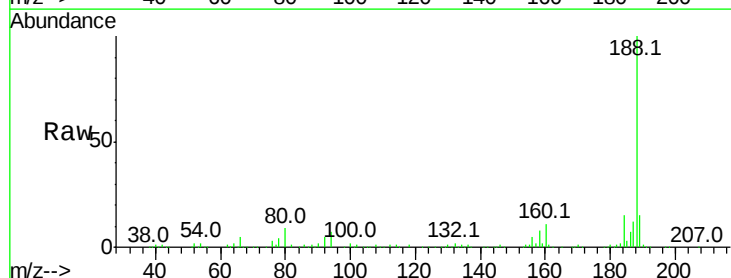
Instrument :
 BNA_G
 ClientSampleId :
 WC-B53-B54-002

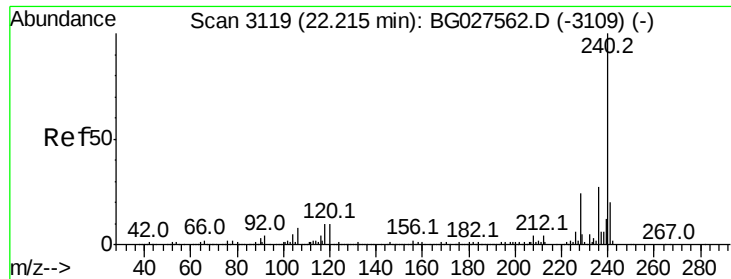
Tot Ion:172 Resp: 396171
 Ion Ratio Lower Upper
 172 100
 171 37.0 32.2 48.2
 170 23.6 21.8 32.6



#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

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





#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

Instrument :

BNA_G

ClientSampleId :

WC-B53-B54-002

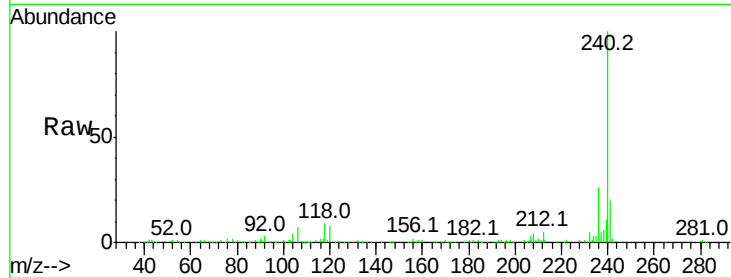
Tot Ion:240 Resp: 199399

Ion Ratio Lower Upper

240 100

120 8.4 5.7 8.5

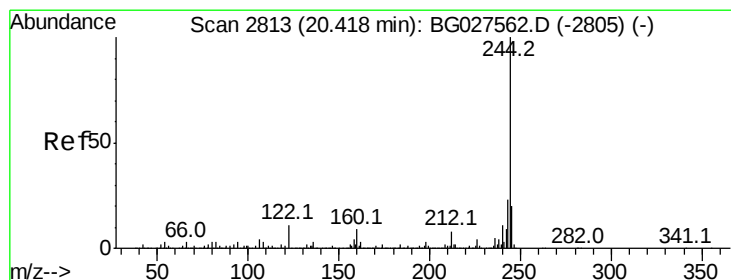
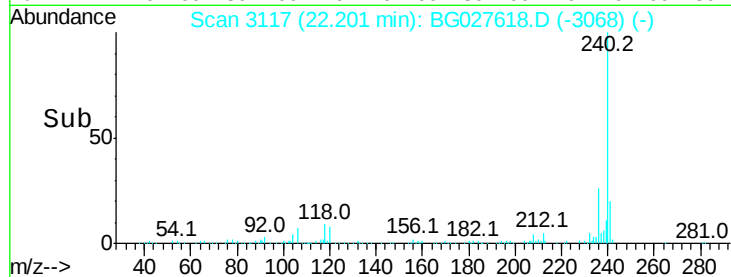
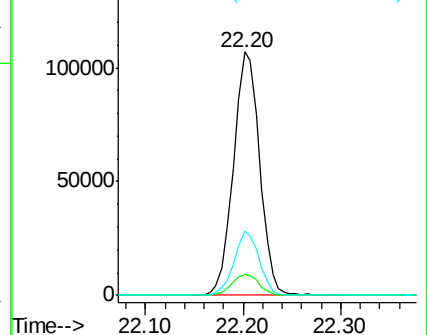
236 26.2 22.2 33.4



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

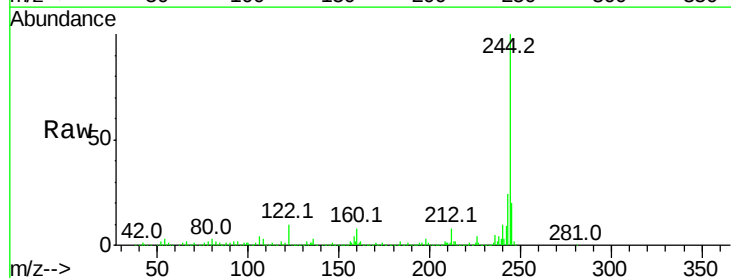
Tgt Ion:244 Resp: 867897

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

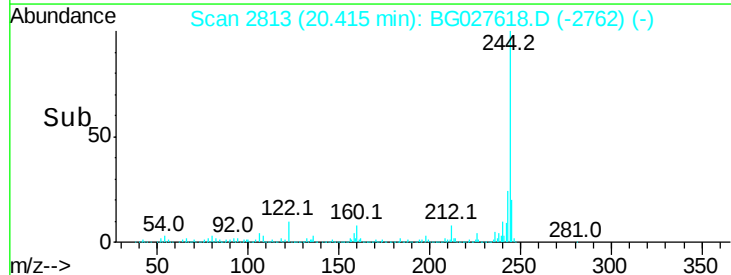
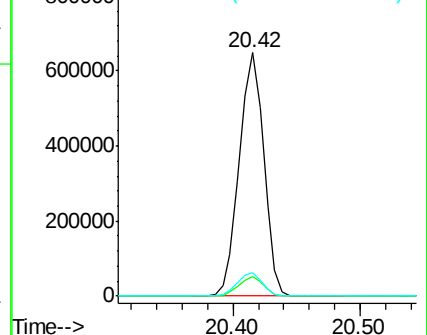
122 9.6 8.6 12.8

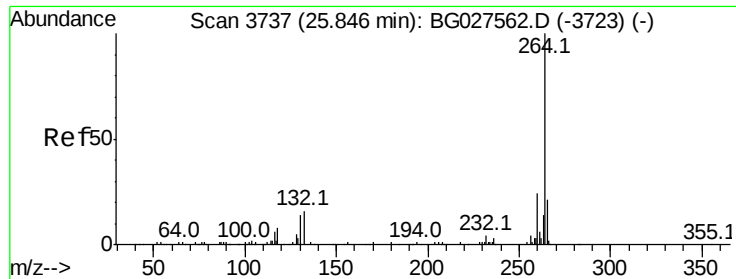


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-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

Instrument :
BNA_G
ClientSampleId :
WC-B53-B54-002

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

