

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG062417\
 Data File : BG027655.D
 Acq On : 24 Jun 2017 12:12
 Operator : SJ/JU
 Sample : I3870-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Jun 26 05:10:46 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	19729	20.00	ng	0.00
21) Naphthalene-d8	11.33	136	100210	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	62998	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	153558	20.00	ng	0.00
75) Chrysene-d12	22.21	240	177496	20.00	ng	0.00
86) Perylene-d12	25.85	264	166172	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.09	112	89135	64.30	ng	0.00
7) Phenol-d6	7.64	99	85664	41.74	ng	0.00
23) Nitrobenzene-d5	9.67	82	163844	77.37	ng	0.00
41) 2,4,6-Tribromophenol	16.58	330	120755	128.57	ng	0.00
44) 2-Fluorobiphenyl	13.71	172	389674	84.49	ng	0.00
78) Terphenyl-d14	20.42	244	617243	81.93	ng	0.00

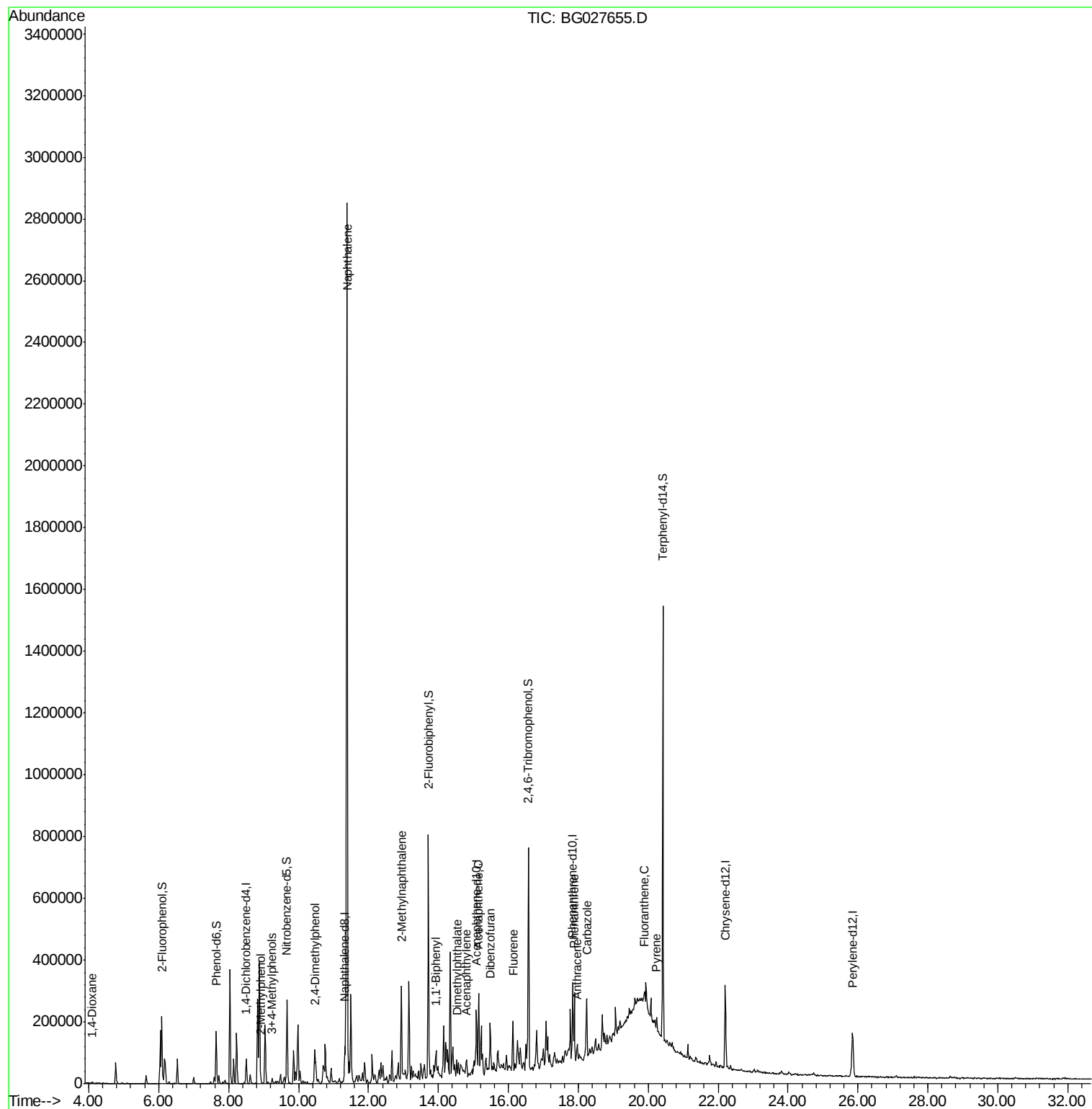
Target Compounds					Qvalue	
2) 1,4-Dioxane	4.09	88	2894	5.377	ng	87
17) 2-Methylphenol	8.92	107	3654	2.484	ng	94
20) 3+4-Methylphenols	9.25	107	7890	3.917	ng	83
27) 2,4-Dimethylphenol	10.46	122	45933	28.327	ng	87
31) Naphthalene	11.39	128	2425742	447.857	ng	95
37) 2-Methylnaphthalene	12.94	142	134909	34.274	ng	99
45) 1,1'-Biphenyl	13.92	154	35266	6.714	ng	95
48) Acenaphthylene	14.82	152	14969	2.187	ng	# 90
49) Dimethylphthalate	14.52	163	29151	5.285	ng	99
51) Acenaphthene	15.16	154	93866	19.679	ng	99
54) Dibenzofuran	15.49	168	92235	14.846	ng	97
57) Fluorene	16.13	166	69676	11.842	ng	97
70) Phenanthrene	17.88	178	129138	14.783	ng	94
71) Anthracene	17.97	178	24612	2.798	ng	96
72) Carbazole	18.24	167	113652	13.264	ng	96
74) Fluoranthene	19.89	202	28169	2.768	ng	94
77) Pyrene	20.24	202	22125	2.051	ng	94

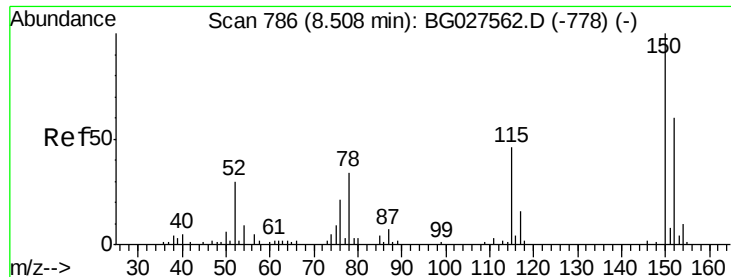
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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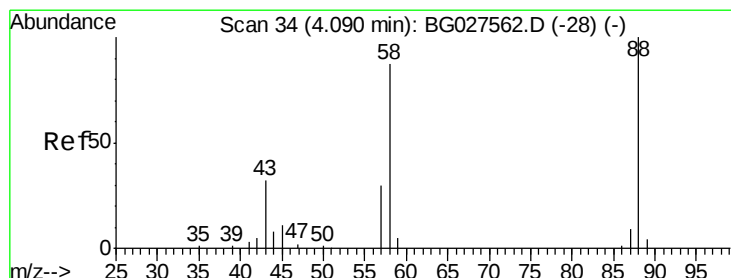
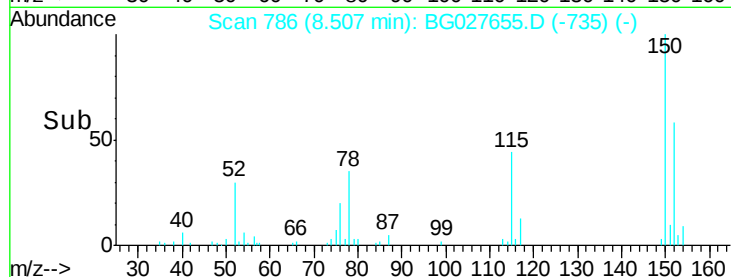
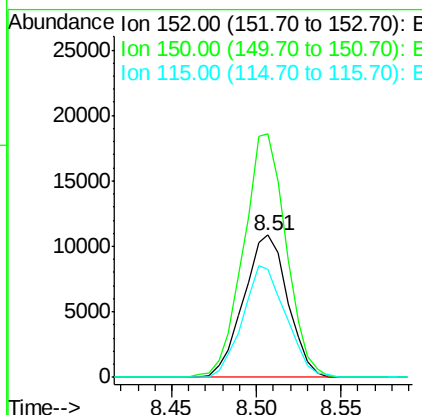
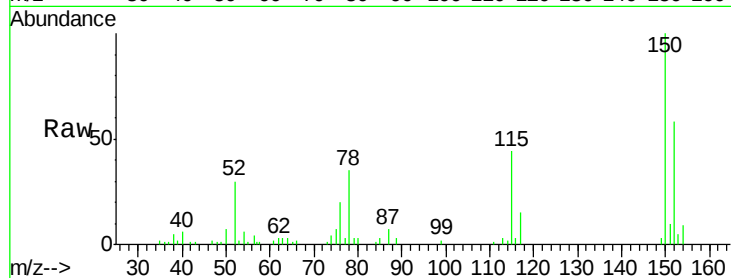


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.51 min Scan# 786
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

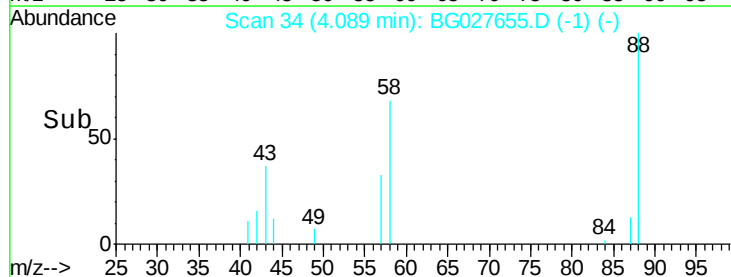
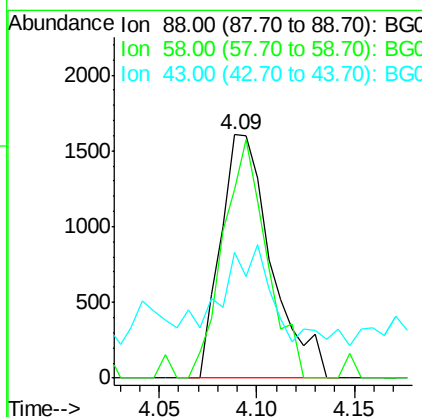
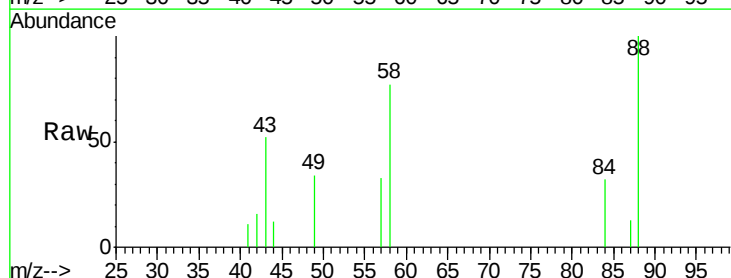
Tgt Ion:152 Resp: 19729
Ion Ratio Lower Upper
152 100
150 171.4 114.0 171.0#
115 76.0 48.1 72.1#

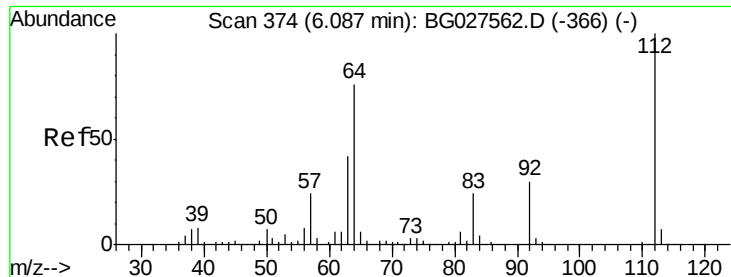


#2

1,4-Dioxane
Concen: 5.377 ng
RT: 4.09 min Scan# 34
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Tgt Ion: 88 Resp: 2894
Ion Ratio Lower Upper
88 100
58 84.6 79.4 119.2
43 37.0 33.8 50.6





#5

2-Fluorophenol

Concen: 64.301 ng

RT: 6.09 min Scan# 375

Delta R.T. 0.01 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

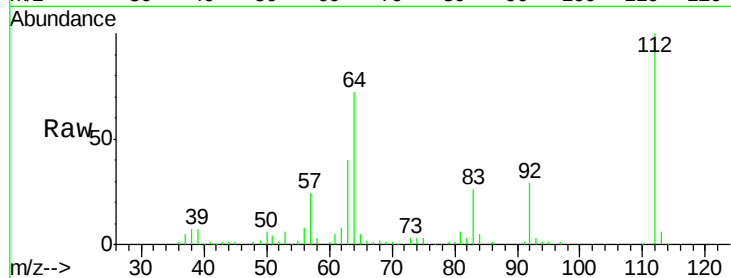
Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

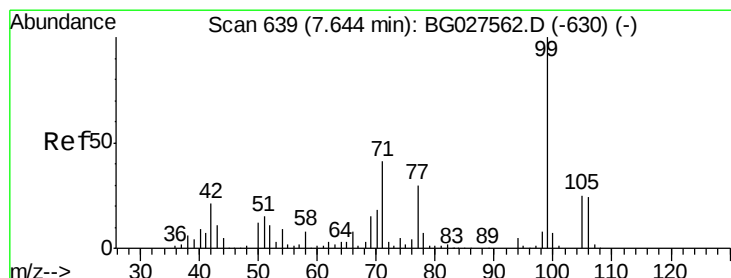
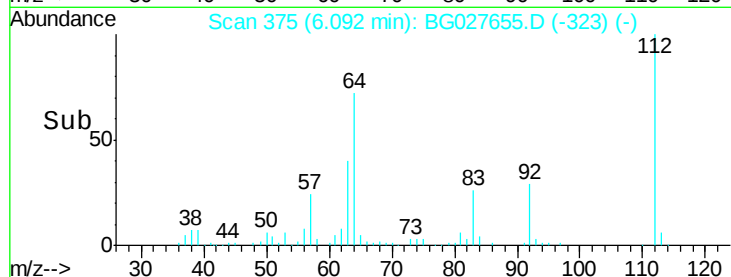
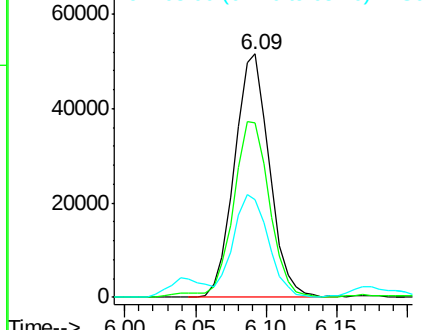
Tgt Ion:	112	Resp:	89135
Ion	Ratio	Lower	Upper
112	100		
64	71.8	61.8	92.6
63	40.0	37.2	55.8



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: 41.743 ng

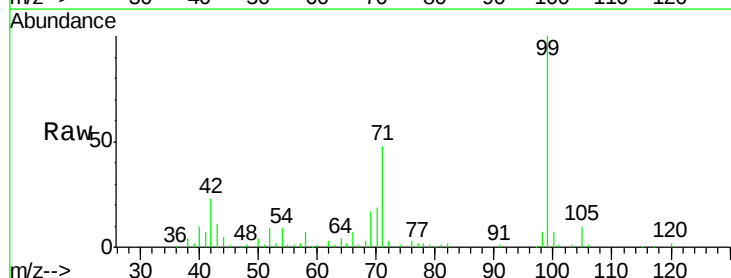
RT: 7.64 min Scan# 639

Delta R.T. -0.00 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

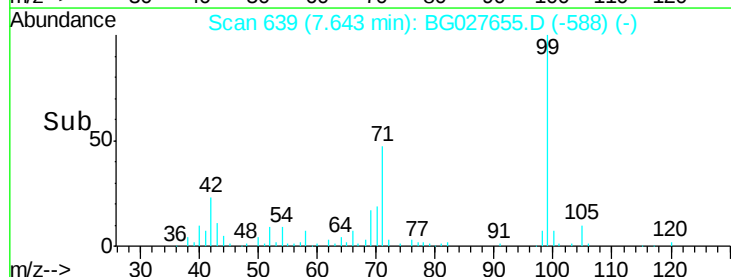
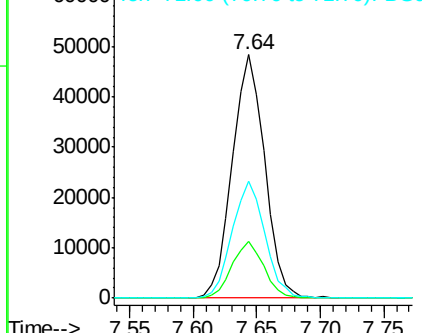
Tgt Ion:	99	Resp:	85664
Ion	Ratio	Lower	Upper
99	100		
42	23.4	20.5	30.7
71	48.0	37.6	56.4

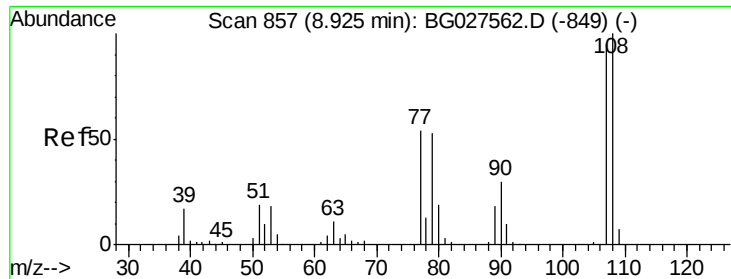


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

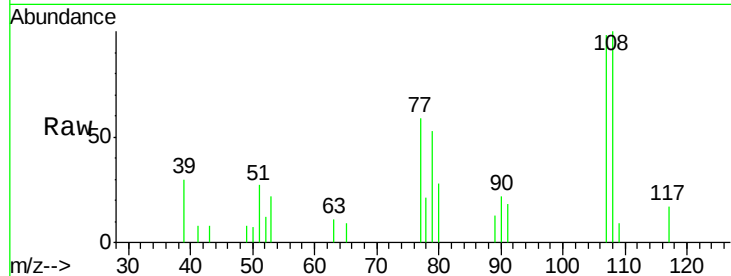




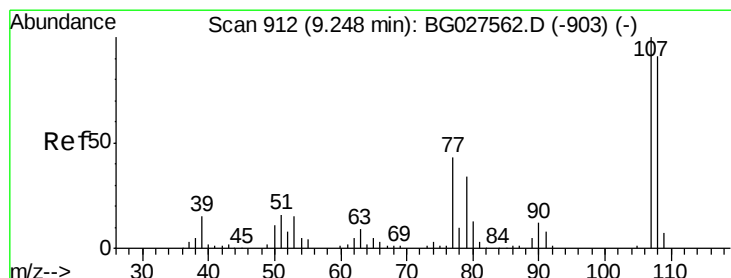
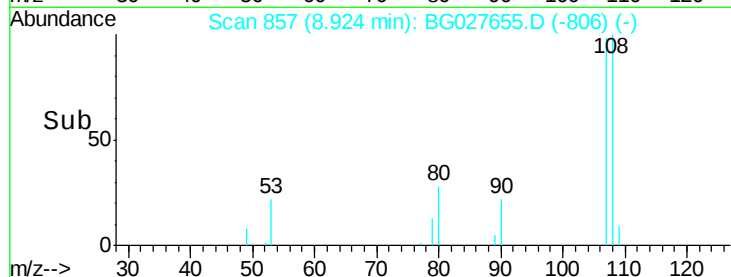
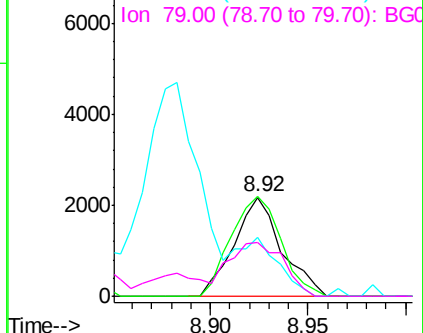
#17
2-Methylphenol
Concen: 2.484 ng
RT: 8.92 min Scan# 857
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tgt Ion:107 Resp: 3654
Ion Ratio Lower Upper
107 100
108 101.8 85.6 128.4
77 59.9 51.4 77.2
79 54.0 49.2 73.8

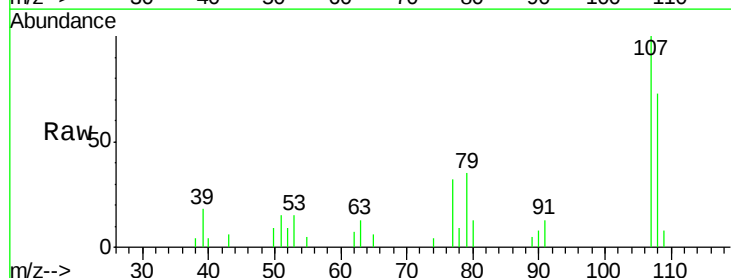


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

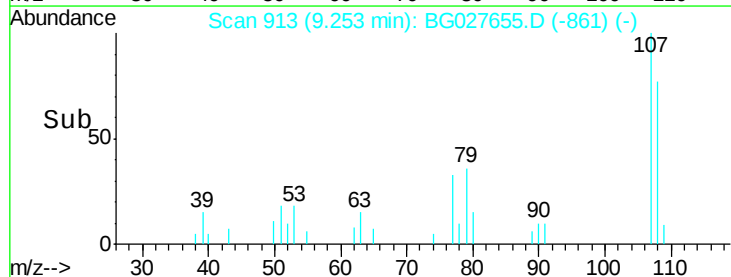
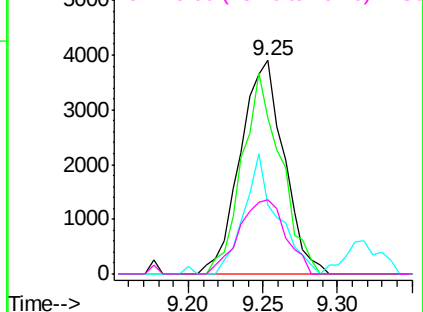


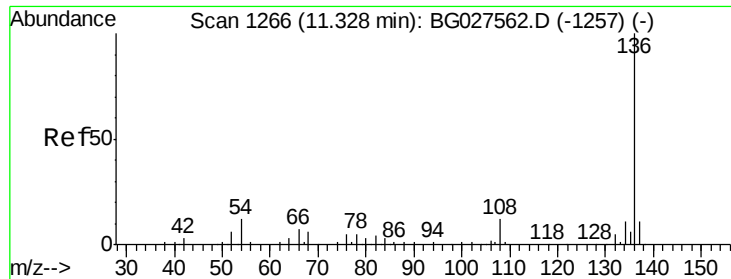
#20
3+4-Methylphenols
Concen: 3.917 ng
RT: 9.25 min Scan# 913
Delta R.T. 0.01 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Tgt Ion:107 Resp: 7890
Ion Ratio Lower Upper
107 100
108 73.0 70.8 110.8
77 32.2 25.8 65.8
79 34.6 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

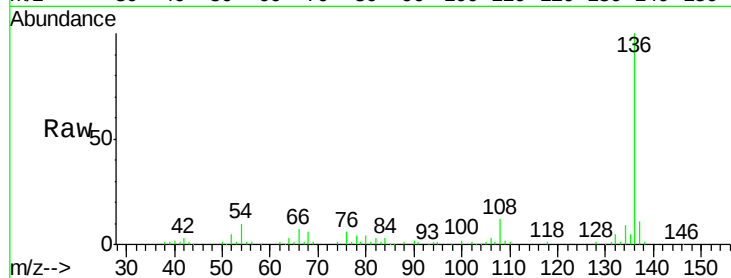




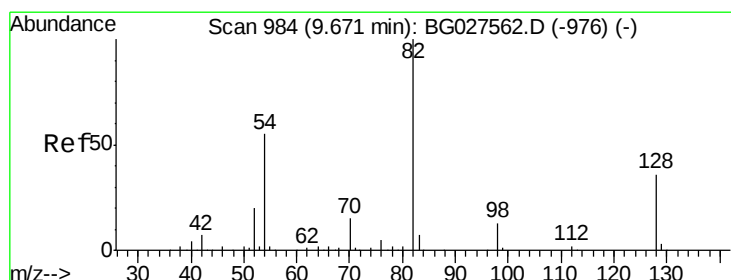
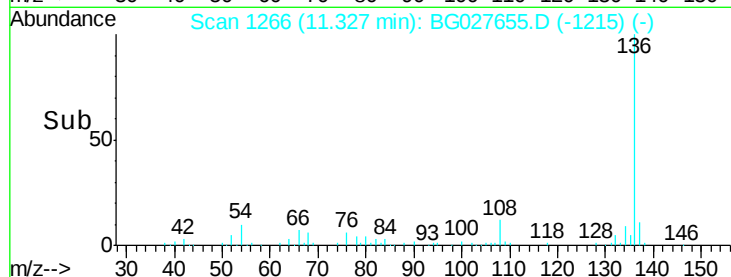
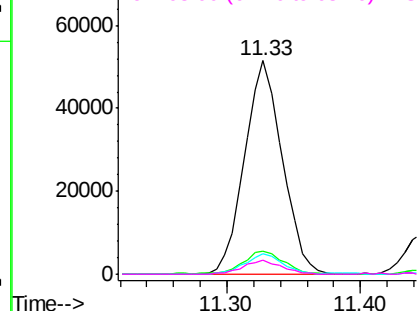
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.33 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tgt Ion:	136	Resp:	100210
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.5	9.3	13.9
68	6.3	5.1	7.7

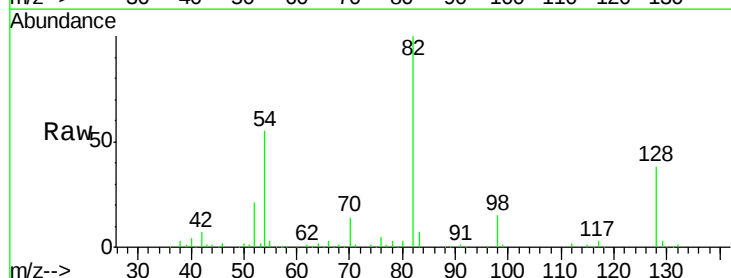


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

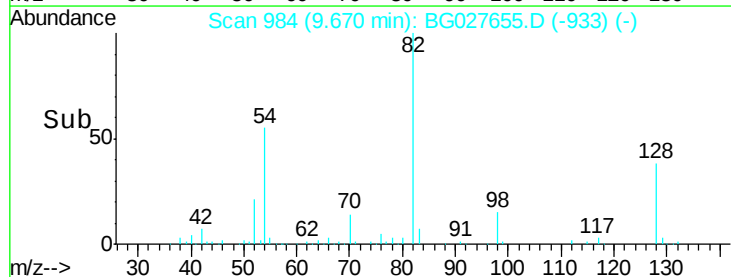
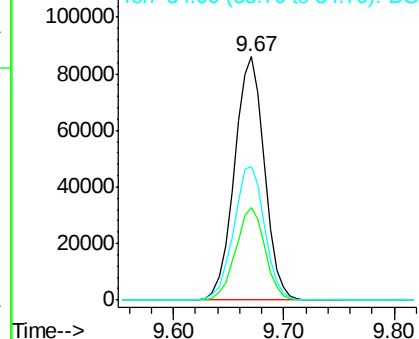


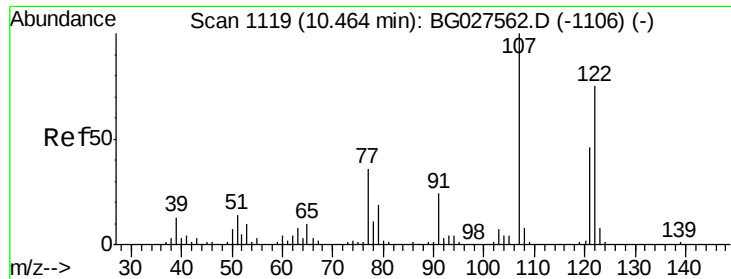
#23
Nitrobenzene-d5
Concen: 77.366 ng
RT: 9.67 min Scan# 984
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Tgt Ion:	82	Resp:	163844
Ion	Ratio	Lower	Upper
82	100		
128	38.3	26.4	39.6
54	54.9	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

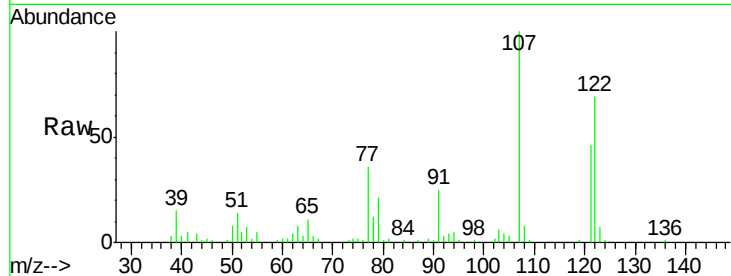




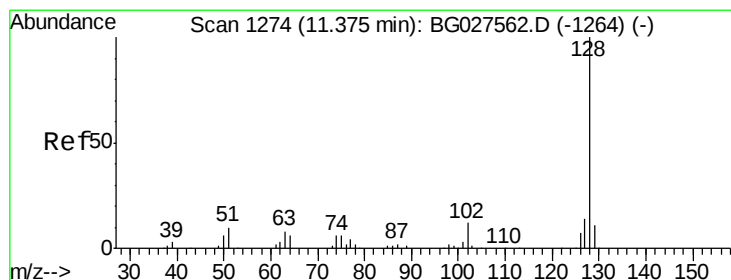
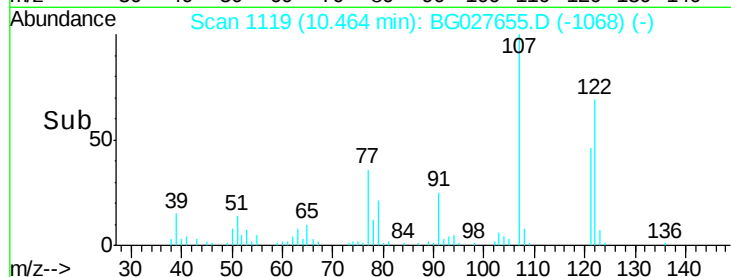
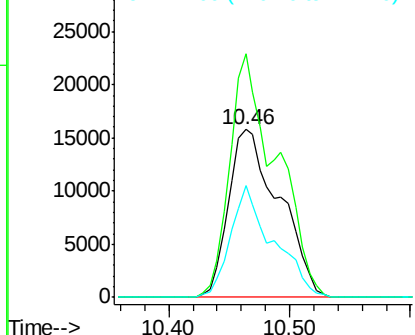
#27
2,4-Dimethylphenol
Concen: 28.327 ng
RT: 10.46 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tgt Ion:122 Resp: 45933
Ion Ratio Lower Upper
122 100
107 145.2 104.2 156.4
121 66.6 46.0 69.0

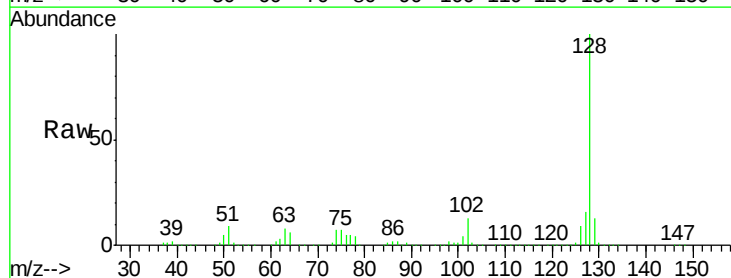


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

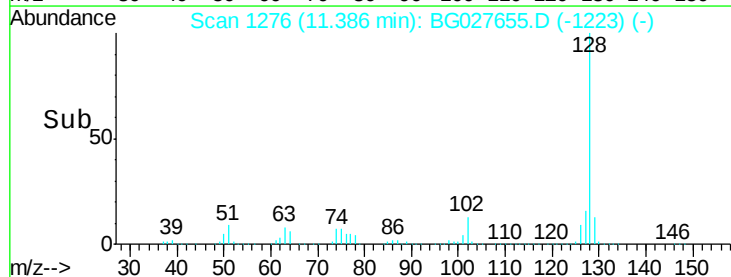
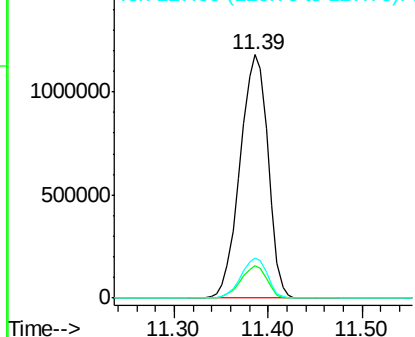


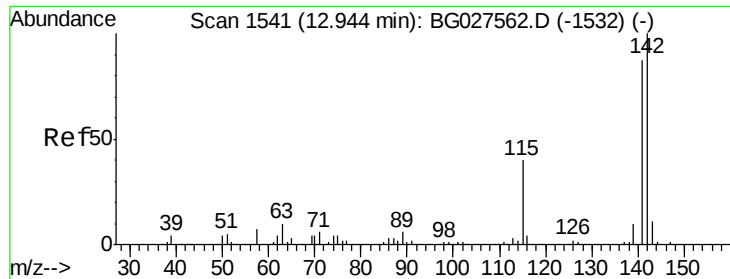
#31
Naphthalene
Concen: 447.857 ng
RT: 11.39 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Tgt Ion:128 Resp: 2425742
Ion Ratio Lower Upper
128 100
129 13.4 9.3 13.9
127 16.4 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

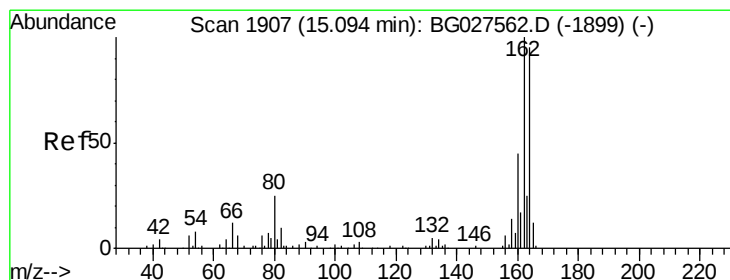
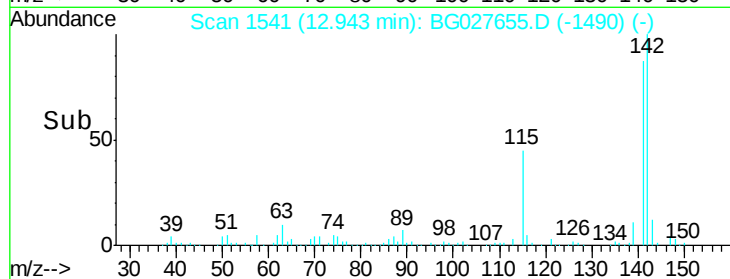
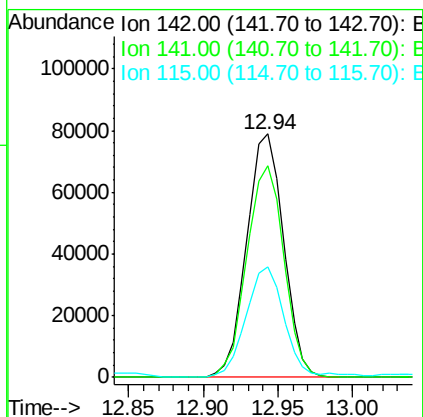
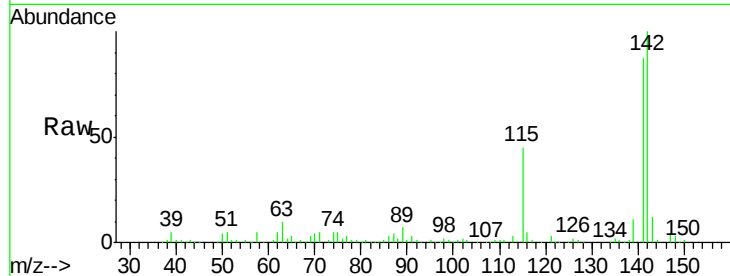




#37
2-Methylnaphthalene
Concen: 34.274 ng
RT: 12.94 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

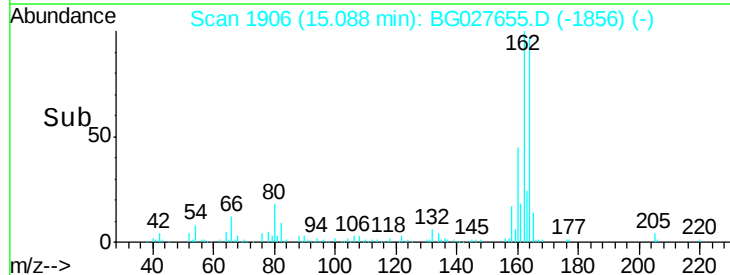
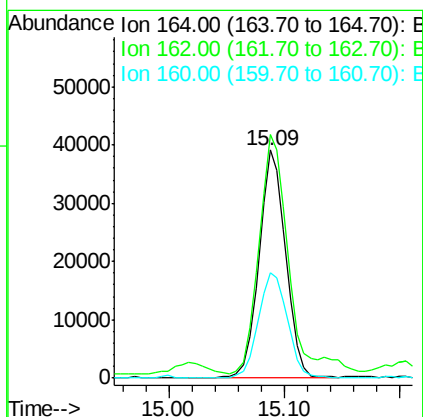
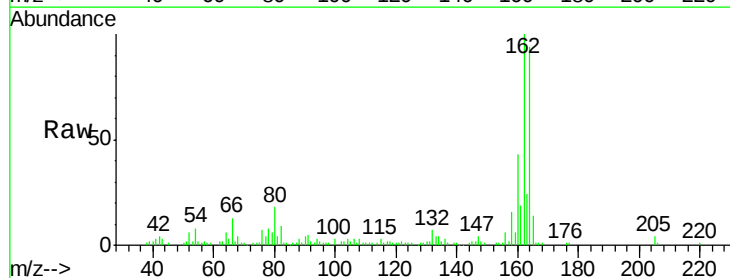
Instrument :
BNA_G
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QNWP8-MW27S-GW

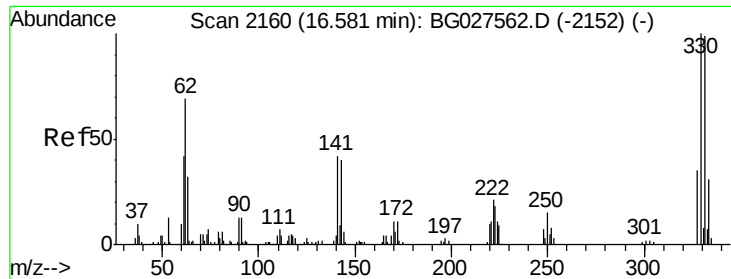
Tgt Ion:142 Resp: 134909
Ion Ratio Lower Upper
142 100
141 87.0 70.4 105.6
115 45.4 35.5 53.3



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.09 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Tgt Ion:164 Resp: 62998
Ion Ratio Lower Upper
164 100
162 106.8 85.1 127.7
160 46.0 34.7 52.1

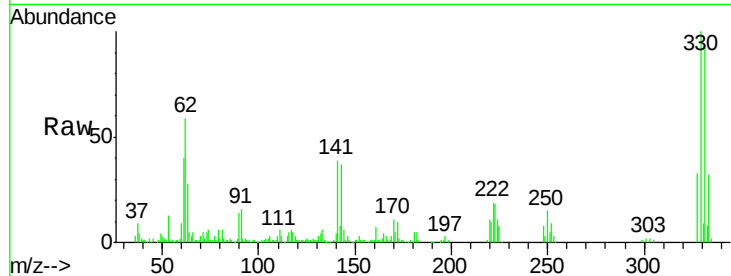




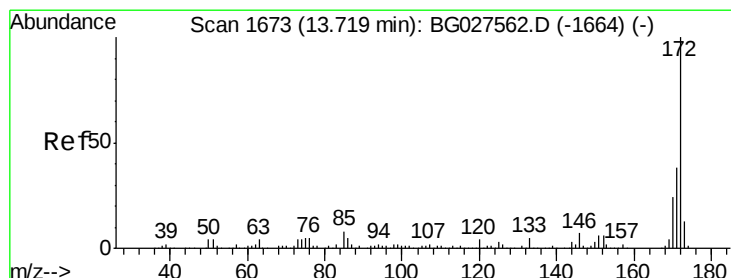
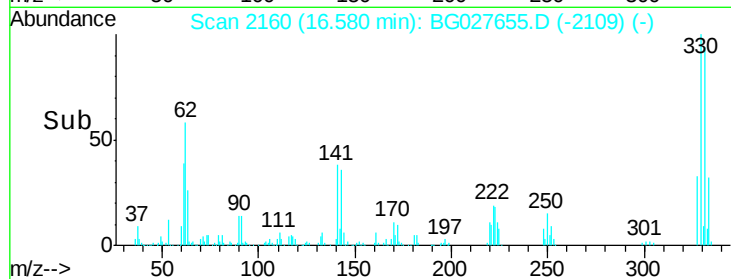
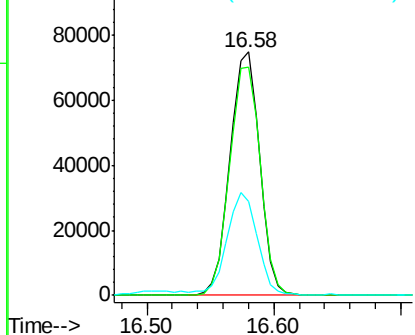
#41
 2,4,6-Tribromophenol
 Concen: 128.572 ng
 RT: 16.58 min Scan# 2160
 Delta R.T. -0.00 min
 Lab File: BG027655.D
 Acq: 24 Jun 2017 12:12

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	44.0	32.1	48.1

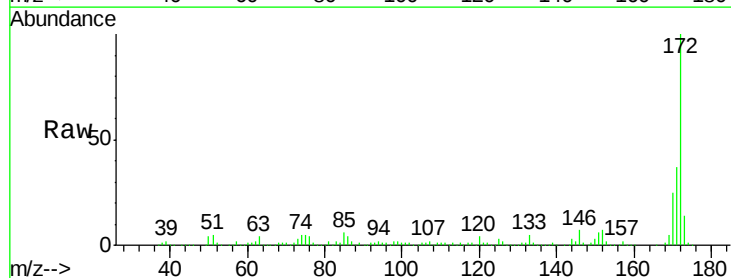


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

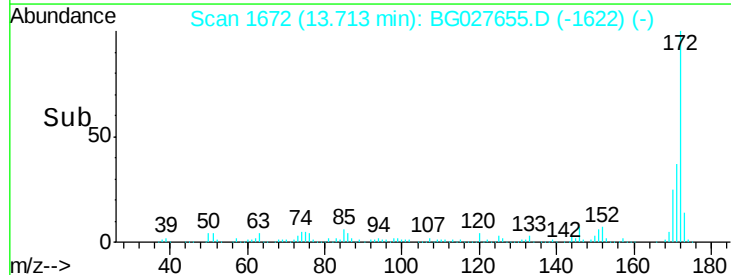
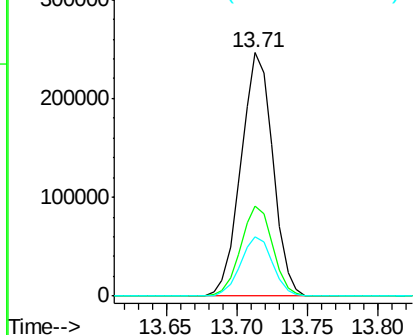


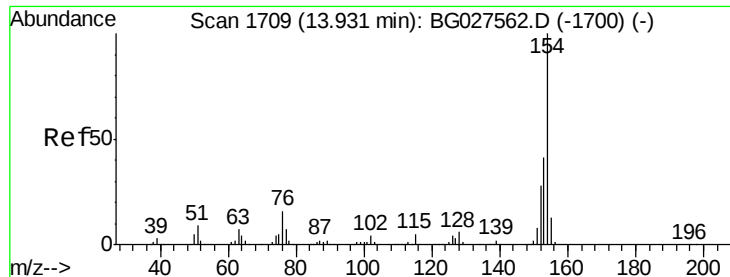
#44
 2-Fluorobiphenyl
 Concen: 84.494 ng
 RT: 13.71 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BG027655.D
 Acq: 24 Jun 2017 12:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	32.2	48.2
170	24.5	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

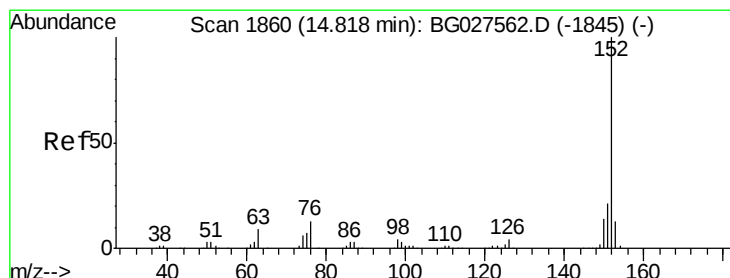
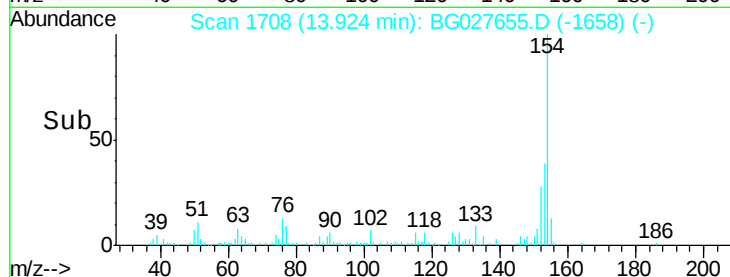
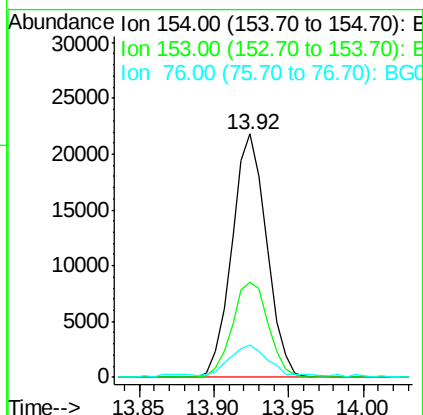
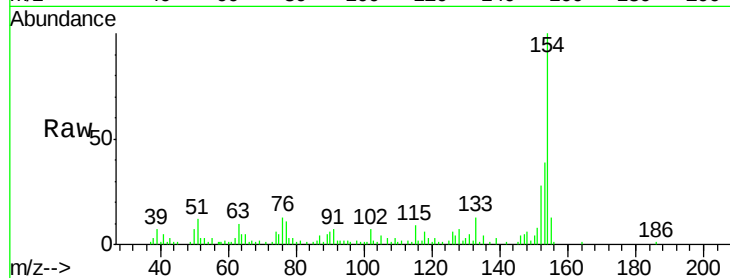




#45
 1,1'-Biphenyl
 Concen: 6.714 ng
 RT: 13.92 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG027655.D
 Acq: 24 Jun 2017 12:12

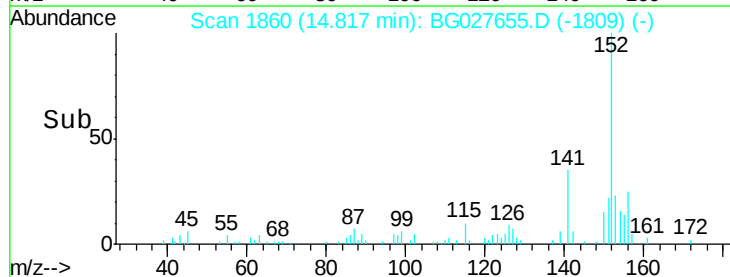
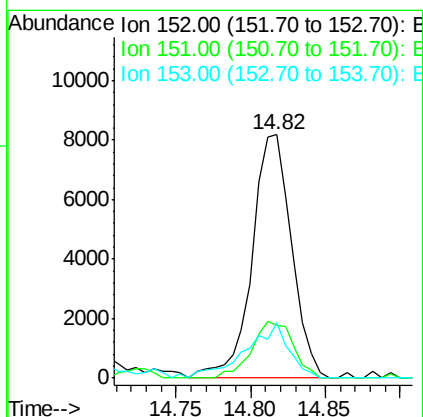
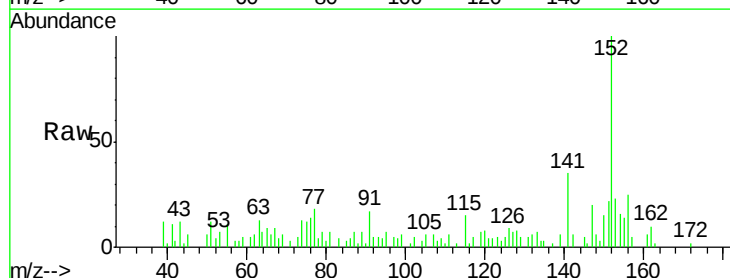
Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

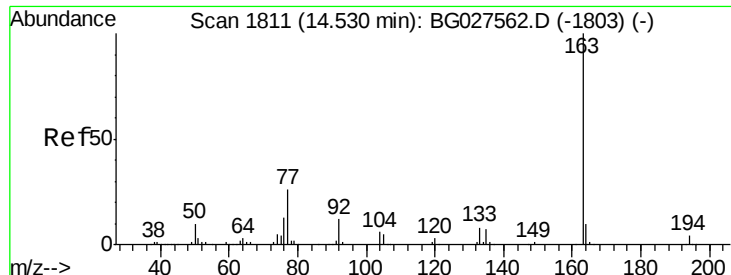
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.2	23.0	63.0
76	13.4	0.0	33.5



#48
 Acenaphthylene
 Concen: 2.187 ng
 RT: 14.82 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BG027655.D
 Acq: 24 Jun 2017 12:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	18.2	27.2
153	22.6	11.3	16.9





#49

Dimethylphthalate

Concen: 5.285 ng

RT: 14.52 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

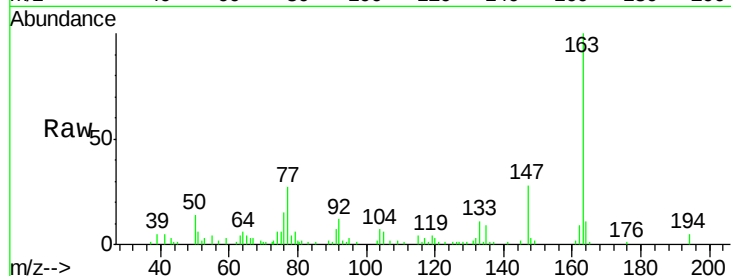
Tgt Ion:163 Resp: 29151

Ion Ratio Lower Upper

163 100

194 5.2 3.8 5.6

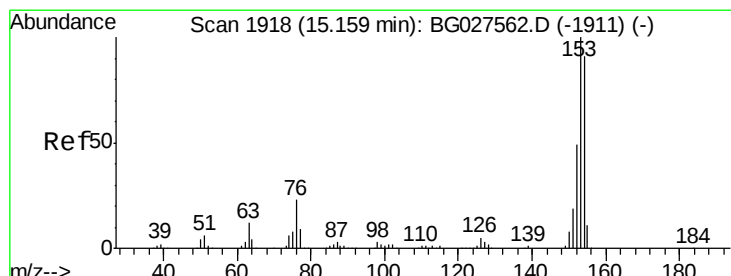
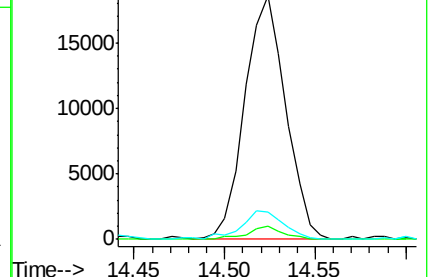
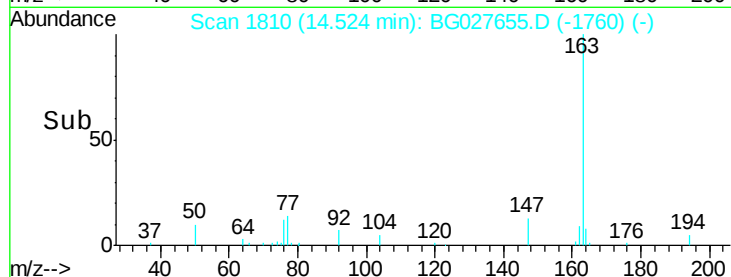
164 11.3 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 19.679 ng

RT: 15.16 min Scan# 1918

Delta R.T. -0.00 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

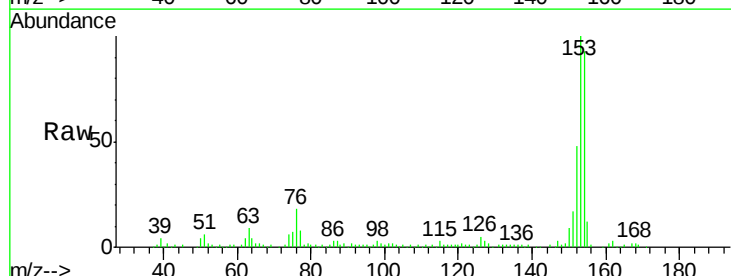
Tgt Ion:154 Resp: 93866

Ion Ratio Lower Upper

154 100

153 107.9 87.8 131.6

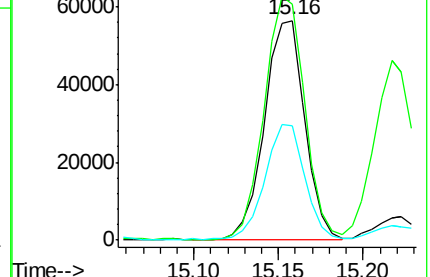
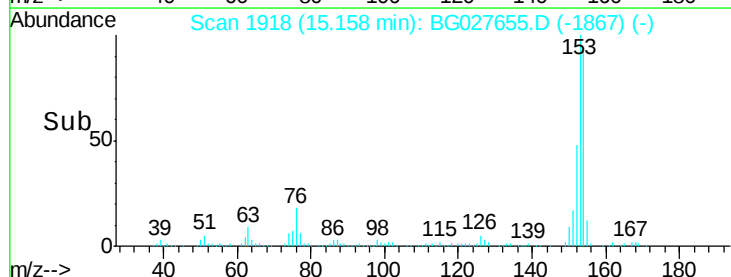
152 52.2 42.2 63.4

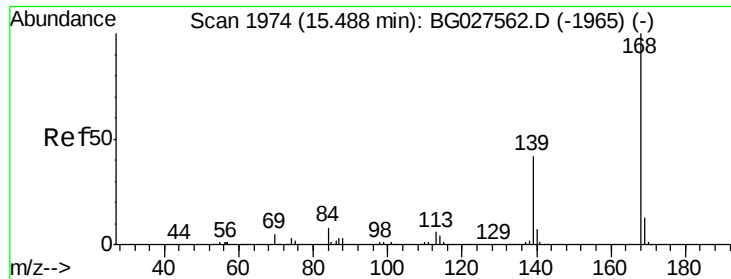


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 14.846 ng

RT: 15.49 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

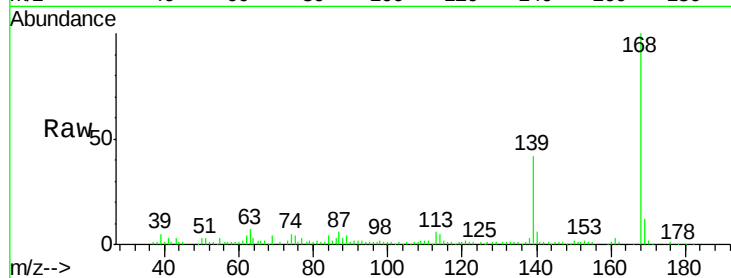
Tgt Ion:168 Resp: 92235

Ion Ratio Lower Upper

168 100

139 42.1 35.3 52.9

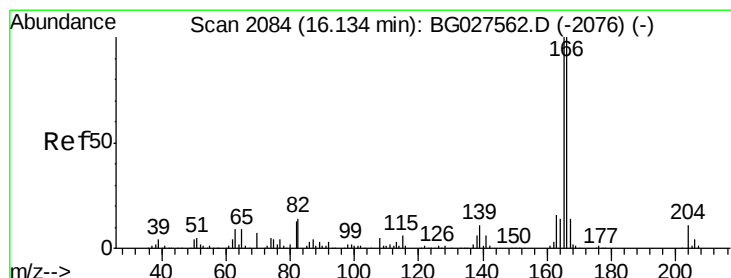
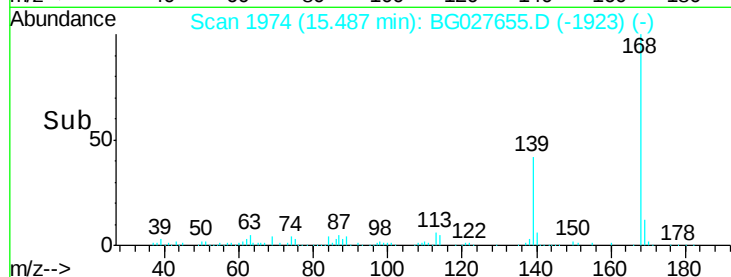
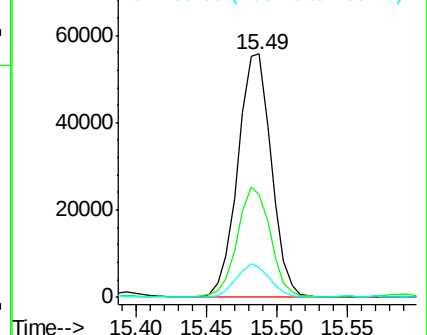
169 12.4 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 11.842 ng

RT: 16.13 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

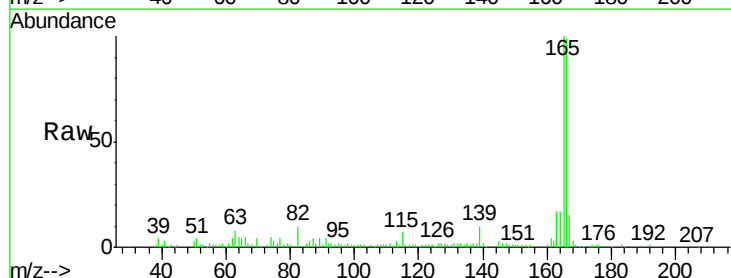
Tgt Ion:166 Resp: 69676

Ion Ratio Lower Upper

166 100

165 101.4 78.6 117.8

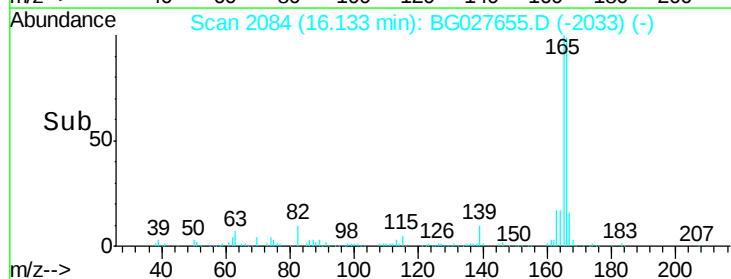
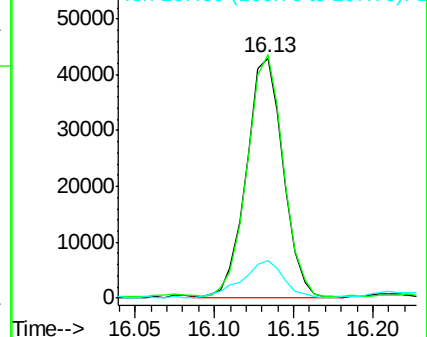
167 15.7 11.6 17.4

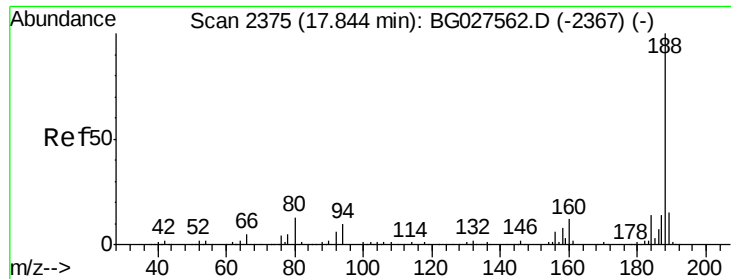


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

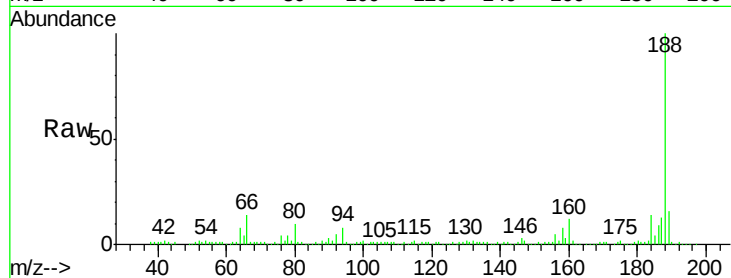




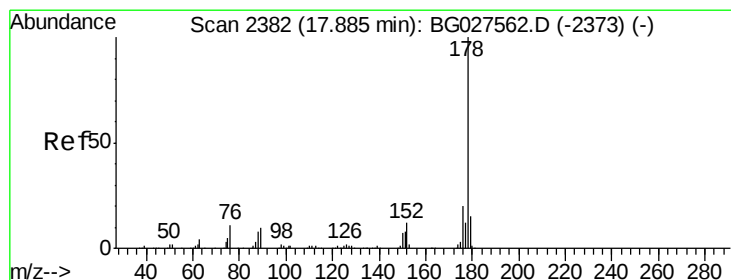
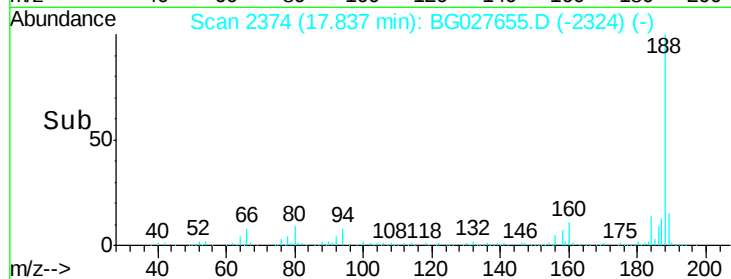
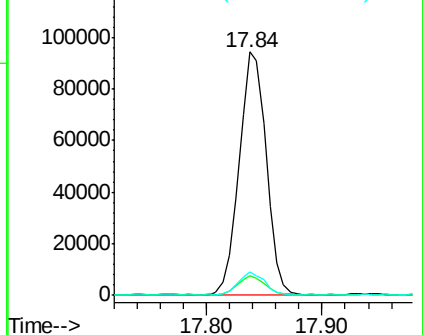
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.84 min Scan# 2374
 Delta R.T. -0.01 min
 Lab File: BG027655.D
 Acq: 24 Jun 2017 12:12

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Tgt Ion:188 Resp: 153558
 Ion Ratio Lower Upper
 188 100
 94 8.3 5.8 8.8
 80 9.8 7.5 11.3

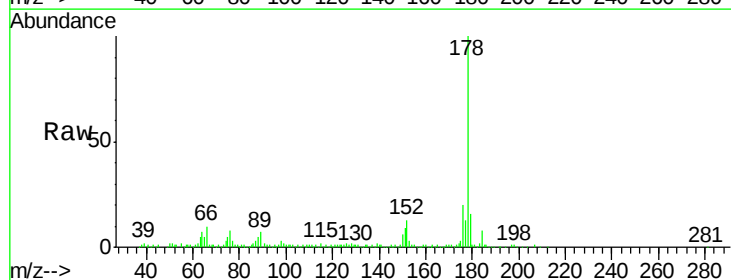


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): B
 Ion 80.00 (79.70 to 80.70): B

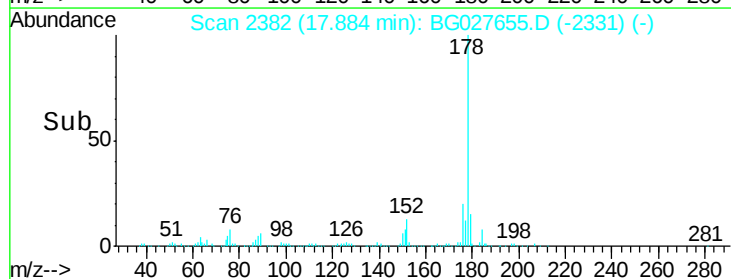
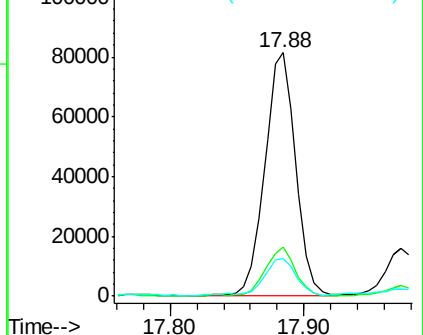


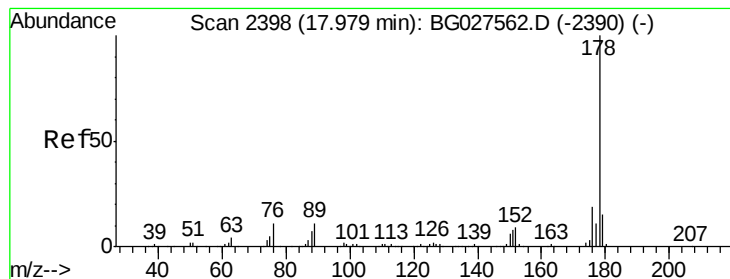
#70
 Phenanthrene
 Concen: 14.783 ng
 RT: 17.88 min Scan# 2382
 Delta R.T. -0.00 min
 Lab File: BG027655.D
 Acq: 24 Jun 2017 12:12

Tgt Ion:178 Resp: 129138
 Ion Ratio Lower Upper
 178 100
 176 19.9 17.7 26.5
 179 15.6 15.0 22.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.798 ng

RT: 17.97 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

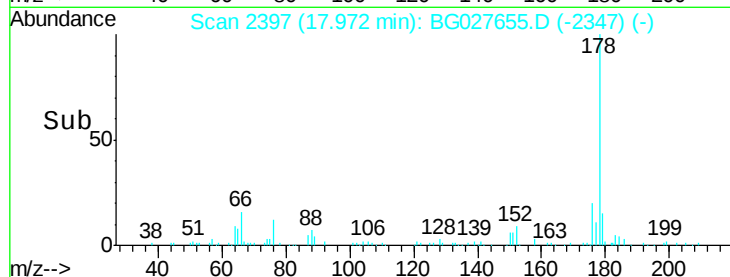
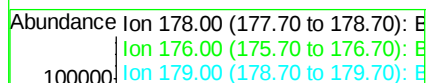
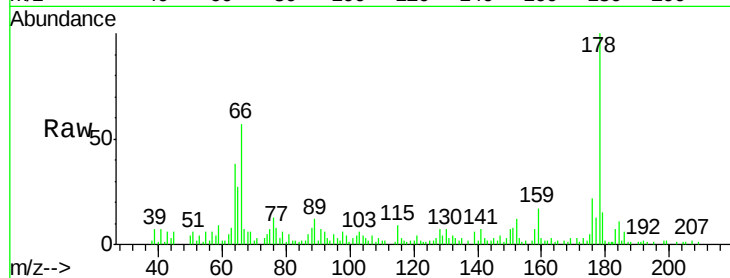
Tgt Ion:178 Resp: 24612

Ion Ratio Lower Upper

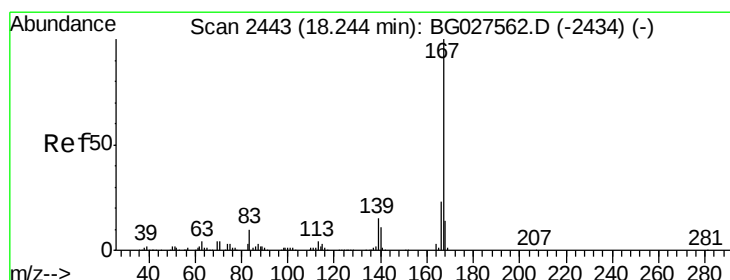
178 100

176 21.9 16.4 24.6

179 14.6 13.8 20.8



Time-->



#72

Carbazole

Concen: 13.264 ng

RT: 18.24 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

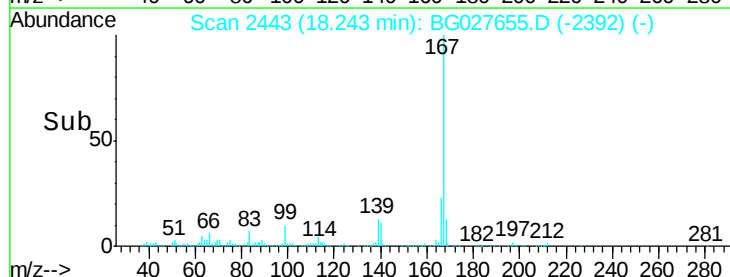
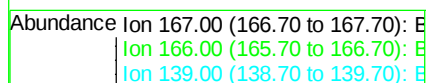
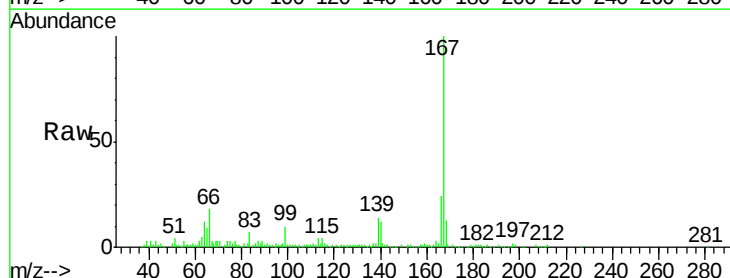
Tgt Ion:167 Resp: 113652

Ion Ratio Lower Upper

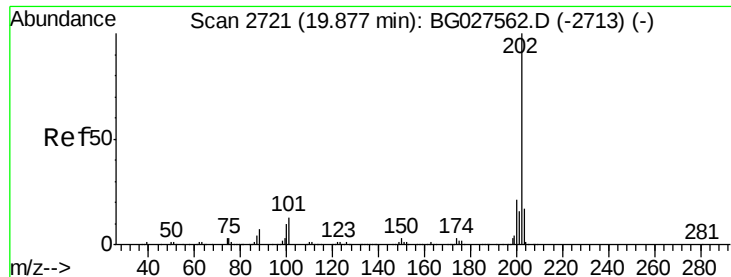
167 100

166 23.6 20.2 30.2

139 13.6 12.8 19.2



Time-->



#74

Fluoranthene

Concen: 2.768 ng

RT: 19.89 min Scan# 2724

Delta R.T. 0.02 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

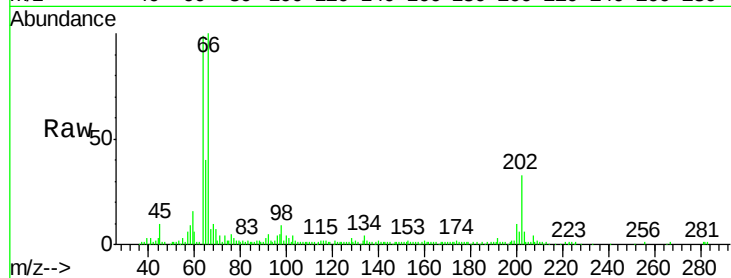
Tgt Ion:202 Resp: 28169

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.1

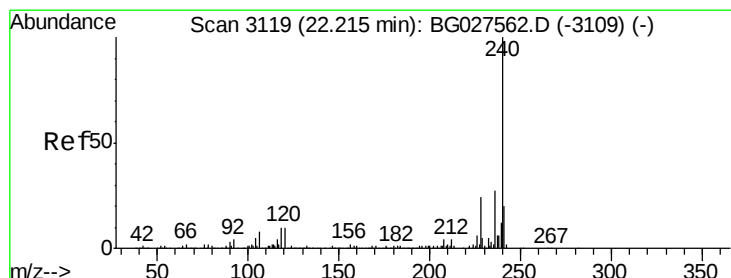
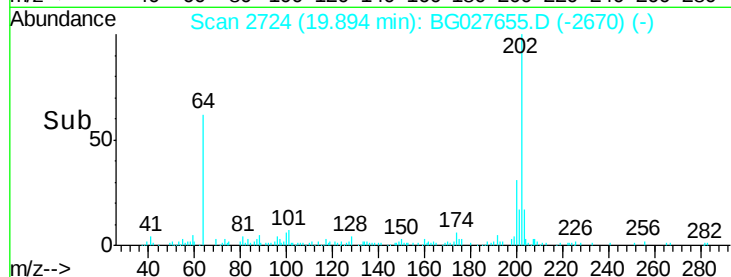
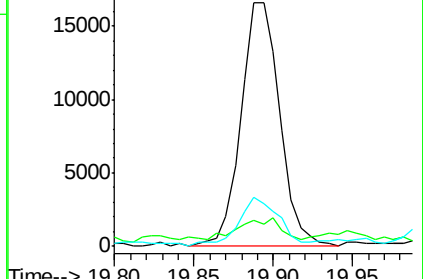
203 17.6 1.3 41.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.21 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

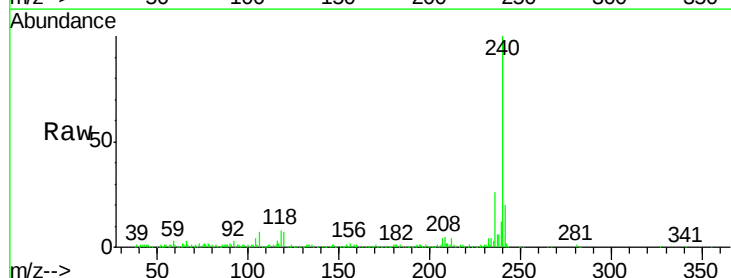
Tgt Ion:240 Resp: 177496

Ion Ratio Lower Upper

240 100

120 7.5 5.7 8.5

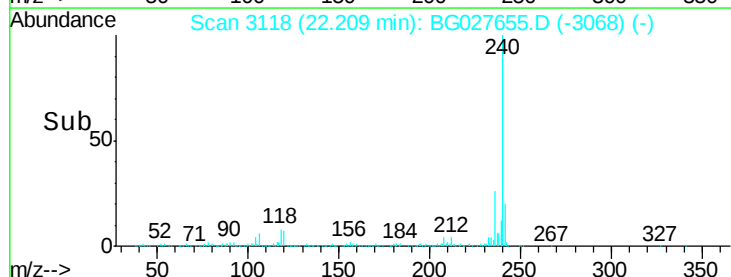
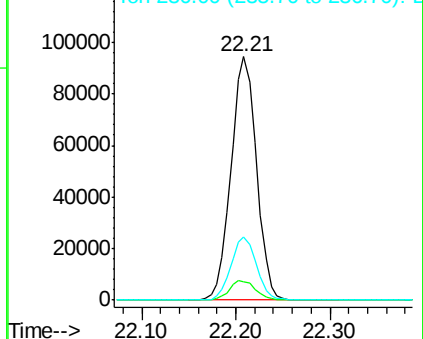
236 26.2 22.2 33.4

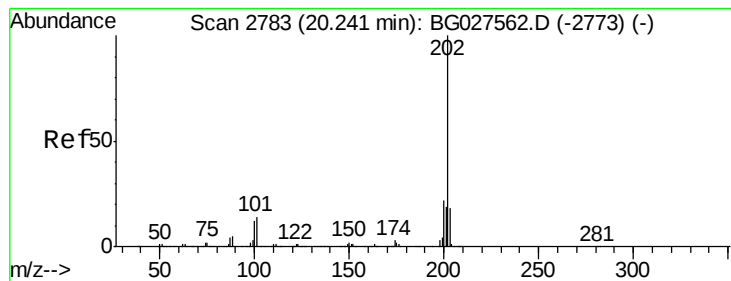


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.051 ng

RT: 20.24 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

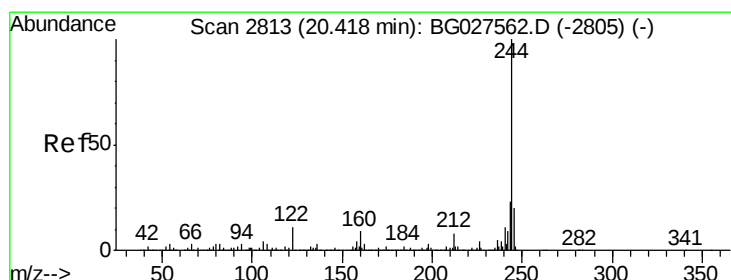
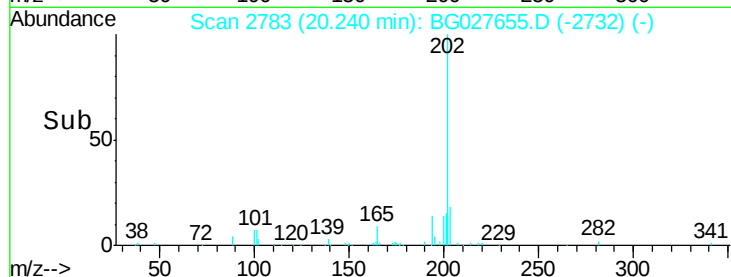
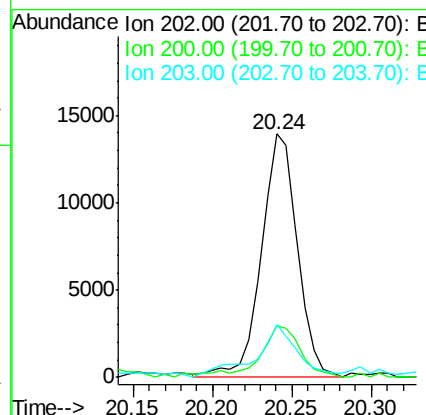
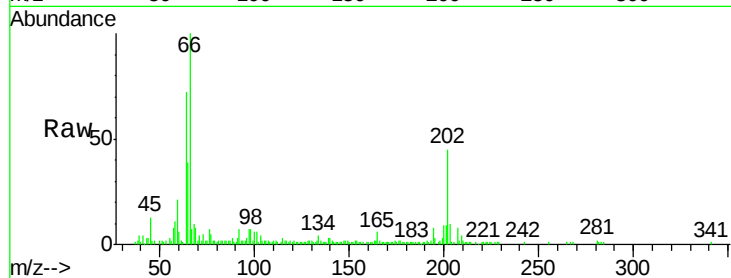
Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

Tgt Ion:	202	Resp:	22125
Ion	Ratio	Lower	Upper
202	100		
200	21.2	19.6	29.4
203	21.7	15.8	23.8



#78

Terphenyl-d14

Concen: 81.933 ng

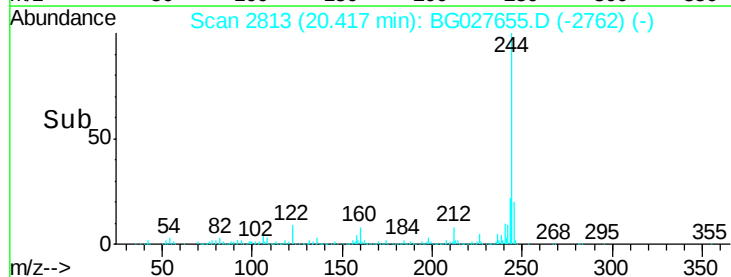
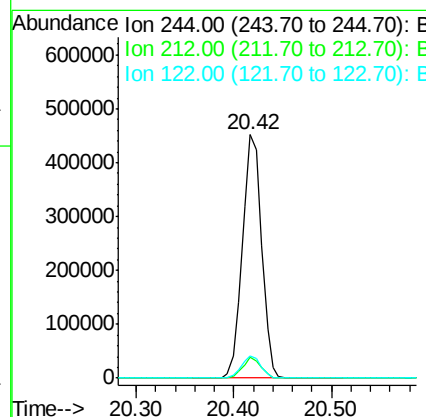
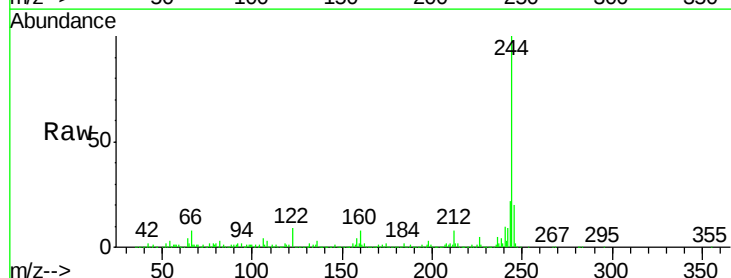
RT: 20.42 min Scan# 2813

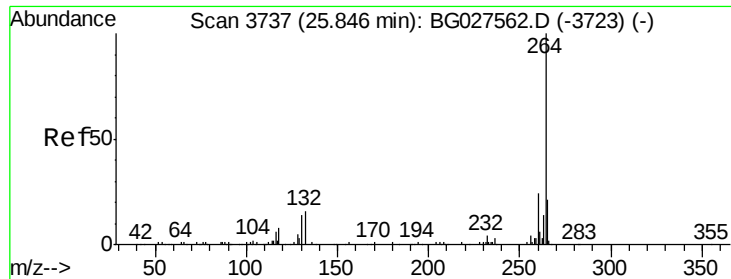
Delta R.T. -0.00 min

Lab File: BG027655.D

Acq: 24 Jun 2017 12:12

Tgt Ion:	244	Resp:	617243
Ion	Ratio	Lower	Upper
244	100		
212	8.4	10.0	15.0#
122	9.1	8.6	12.8

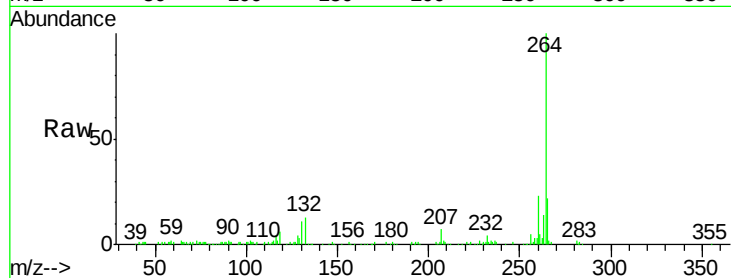




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.85 min Scan# 3737
Delta R.T. -0.00 min
Lab File: BG027655.D
Acq: 24 Jun 2017 12:12

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	21.8	32.8
265	22.1	18.2	27.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

