

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029292.D
 Acq On : 17 Oct 2017 4:43
 Operator : SJ/JU
 Sample : I5906-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-03

Quant Time: Oct 17 05:37:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	71404	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	340259	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	209850	20.00	ng	0.00
63) Phenanthrene-d10	17.53	188	464650	20.00	ng	0.00
75) Chrysene-d12	21.79	240	508922	20.00	ng	0.00
86) Perylene-d12	25.11	264	521559	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	559486	130.90	ng	0.00
7) Phenol-d6	7.33	99	692251	115.38	ng	0.00
23) Nitrobenzene-d5	9.34	82	473731	88.47	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	323008	119.22	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1173450	82.01	ng	0.00
78) Terphenyl-d14	20.12	244	1737862	77.68	ng	0.00

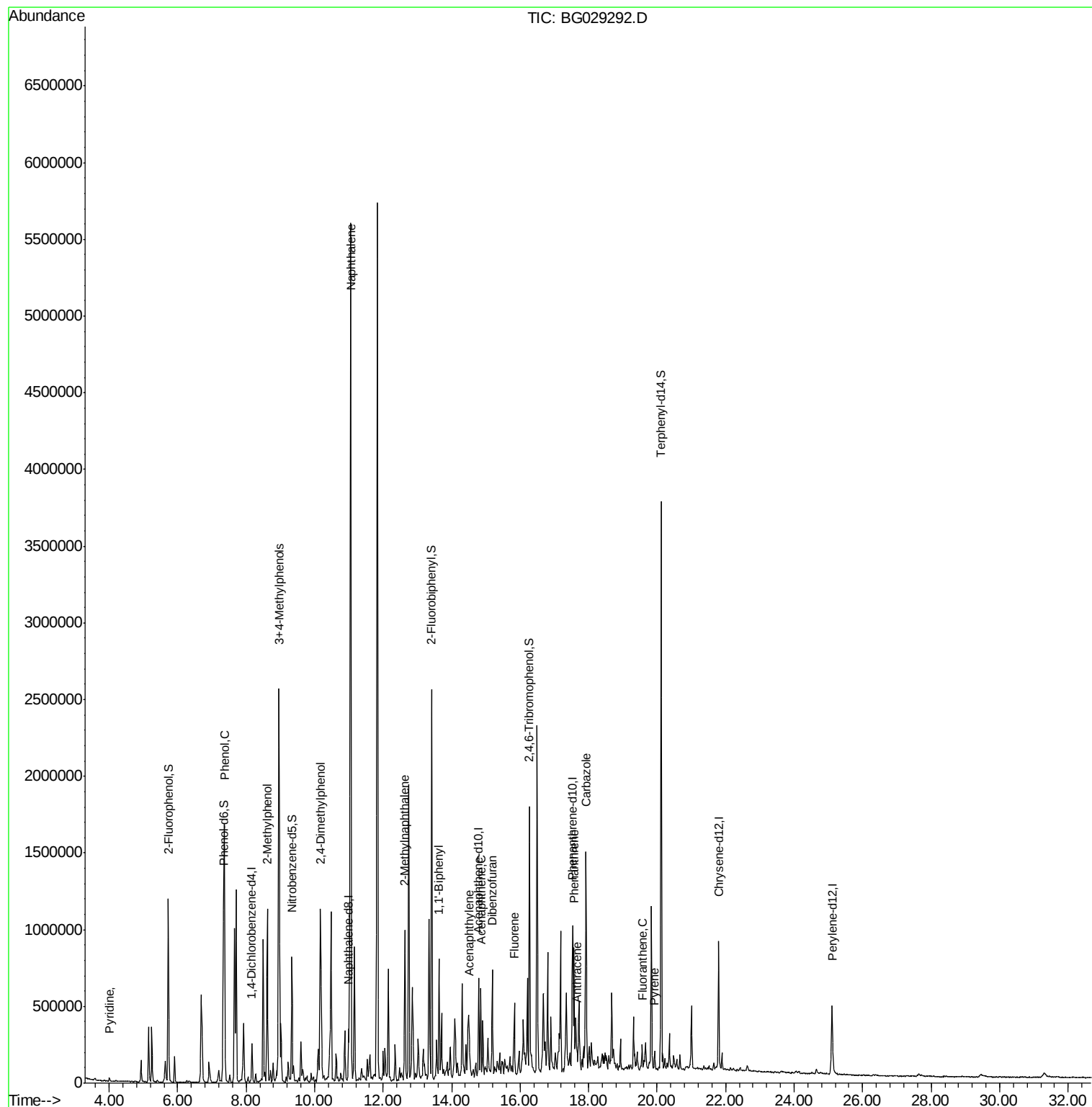
Target Compounds				Qvalue		
3) Pyridine	4.01	79	12187	2.413	ng	94
10) Phenol	7.36	94	1005714	155.487	ng	95
17) 2-Methylphenol	8.61	107	398536	92.753	ng	97
20) 3+4-Methylphenols	8.96	107	1326901	219.169	ng	88
27) 2,4-Dimethylphenol	10.17	122	582105	111.815	ng	93
31) Naphthalene	11.05	128	4635447	273.351	ng	# 84
37) 2-Methylnaphthalene	12.63	142	449153	36.342	ng	94
45) 1,1'-Biphenyl	13.63	154	97079	5.382	ng	92
48) Acenaphthylene	14.51	152	196850	9.560	ng	98
51) Acenaphthene	14.85	154	194621	14.527	ng	96
54) Dibenzofuran	15.18	168	330523	17.282	ng	100
57) Fluorene	15.83	166	178650	11.307	ng	93
70) Phenanthrene	17.57	178	448664	18.691	ng	99
71) Anthracene	17.66	178	77611	3.220	ng	95
72) Carbazole	17.93	167	909788	39.293	ng	98
74) Fluoranthene	19.56	202	101599	3.619	ng	98
77) Pyrene	19.92	202	62892	2.037	ng	98

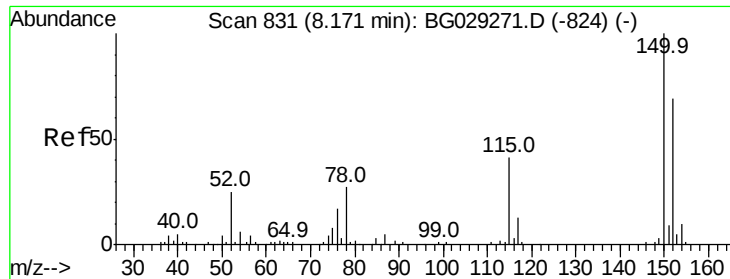
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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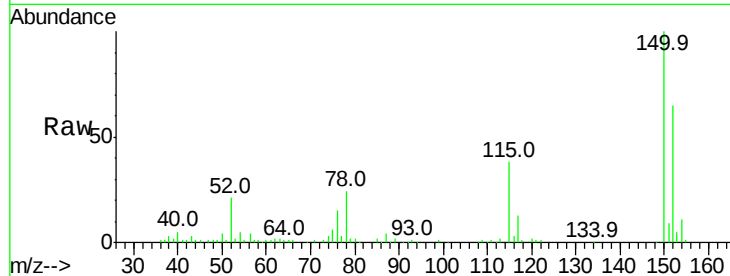


#1

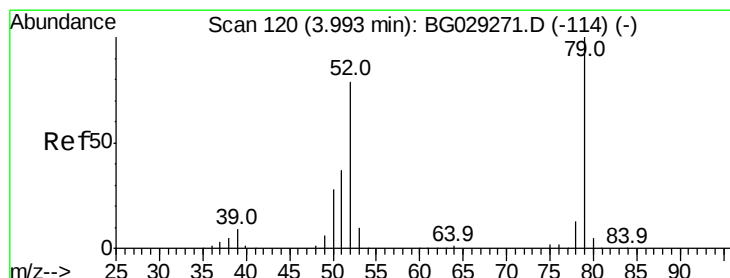
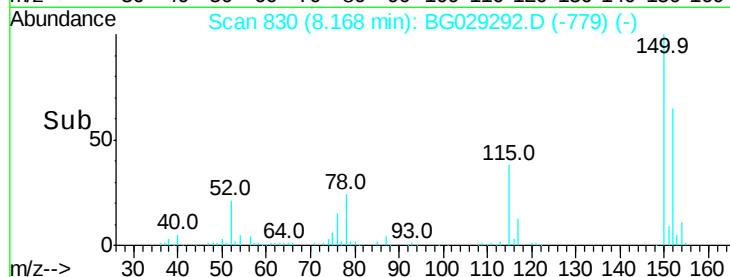
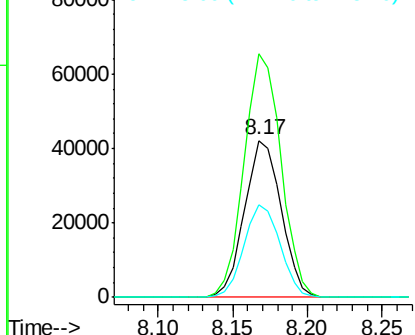
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

Instrument :
BNA_G
ClientSampleId :
WH-TWS-03

Tot Ion:152 Resp: 71404
Ion Ratio Lower Upper
152 100
150 154.9 126.6 189.8
115 58.9 53.0 79.4



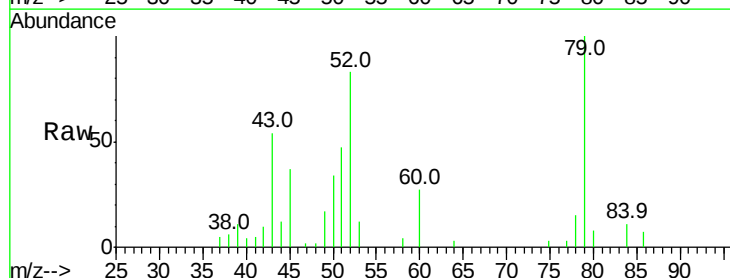
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



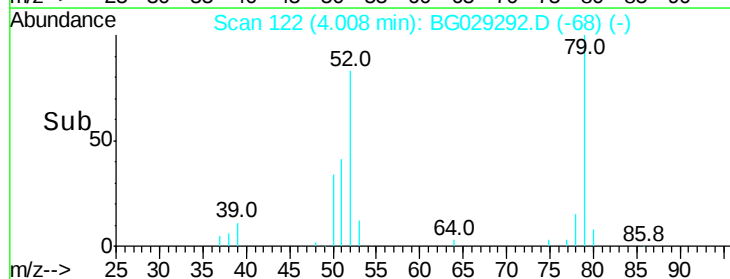
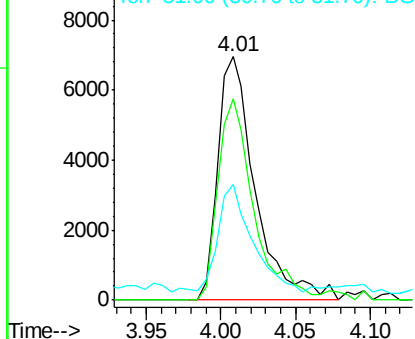
#3

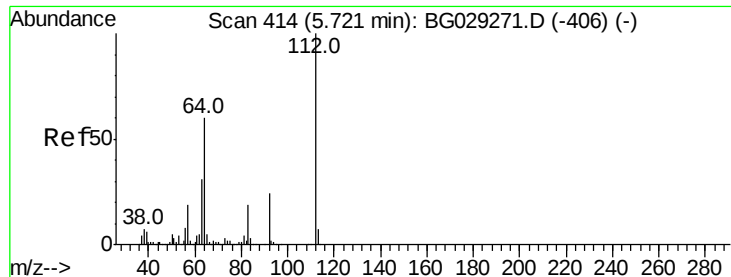
Pyridine
Concen: 2.413 ng
RT: 4.01 min Scan# 122
Delta R.T. 0.01 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

Tgt Ion: 79 Resp: 12187
Ion Ratio Lower Upper
79 100
52 82.8 69.9 104.9
51 47.2 34.0 51.0



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 130.896 ng

RT: 5.72 min Scan# 414

Delta R.T. 0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

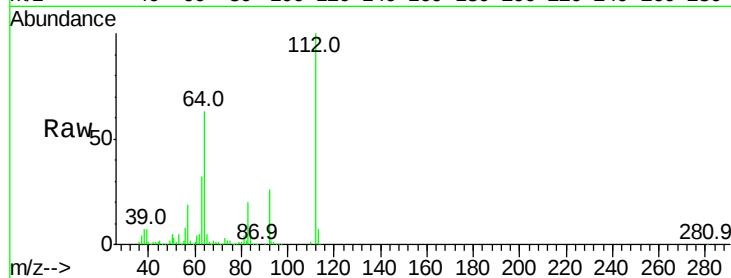
Tot Ion:112 Resp: 559486

Ion Ratio Lower Upper

112 100

64 63.4 56.3 84.5

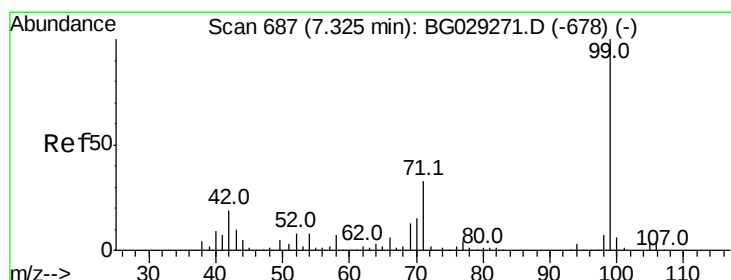
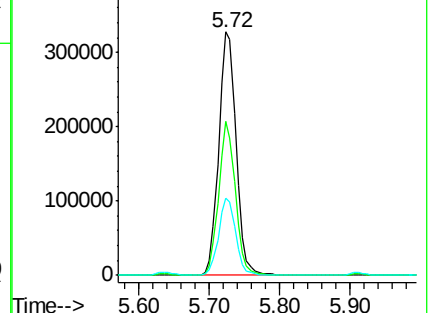
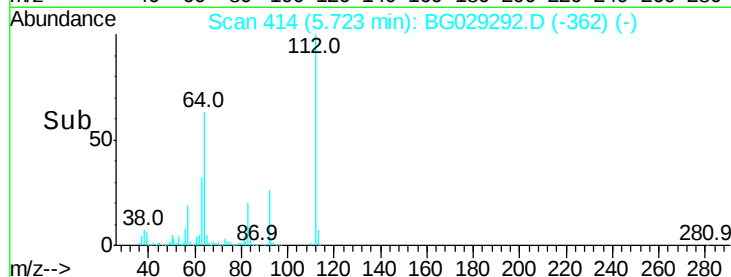
63 31.8 30.1 45.1



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: 115.383 ng

RT: 7.33 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

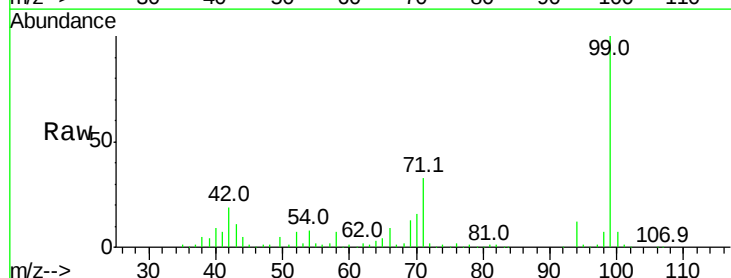
Tgt Ion: 99 Resp: 692251

Ion Ratio Lower Upper

99 100

42 19.1 14.1 21.1

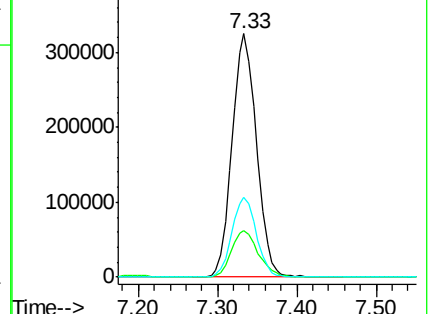
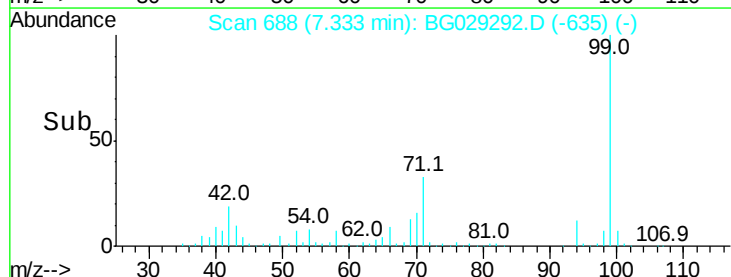
71 32.6 26.1 39.1

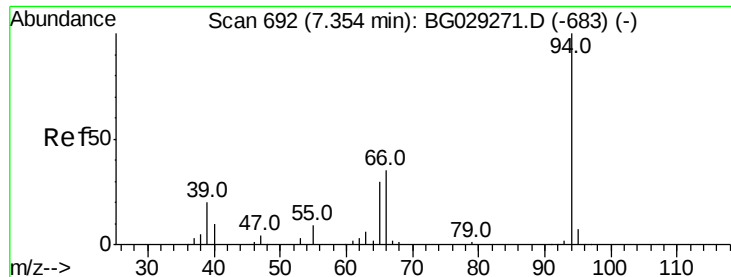


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 155.487 ng

RT: 7.36 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

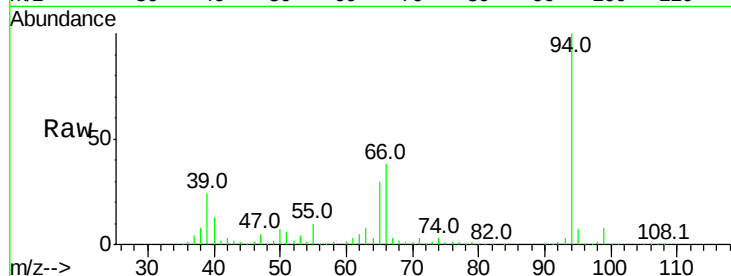
Tot Ion: 94 Resp: 1005714

Ion Ratio Lower Upper

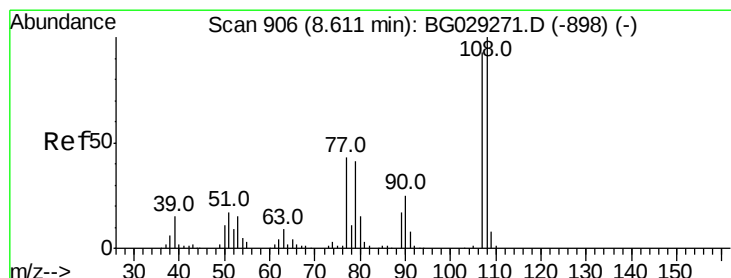
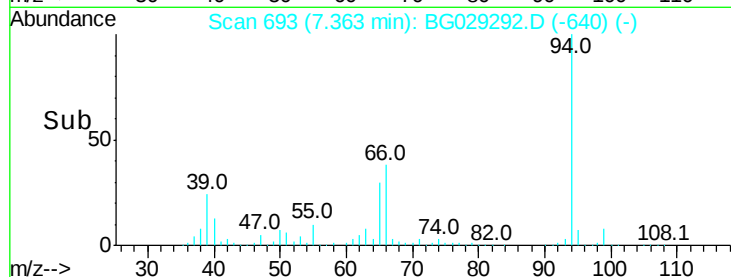
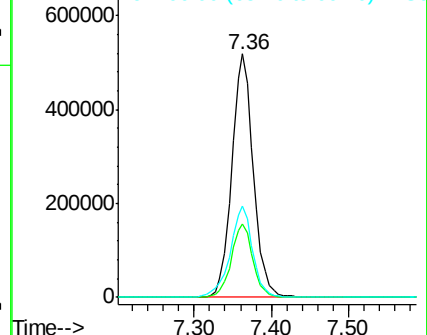
94 100

65 30.3 11.9 51.9

66 37.7 22.2 62.2



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



#17

2-Methylphenol

Concen: 92.753 ng

RT: 8.61 min Scan# 906

Delta R.T. 0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Tgt Ion:107 Resp: 398536

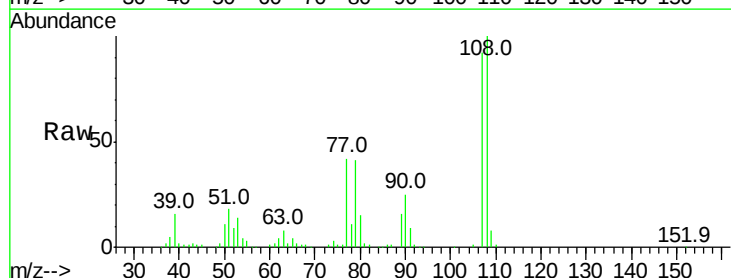
Ion Ratio Lower Upper

107 100

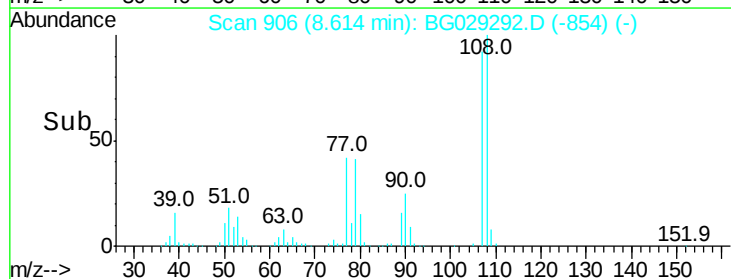
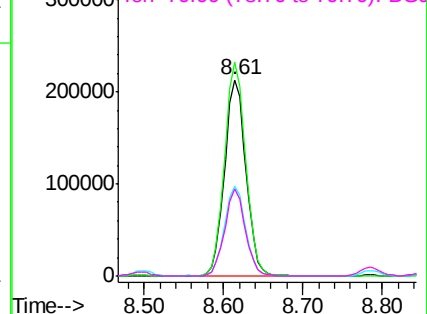
108 108.8 83.9 125.9

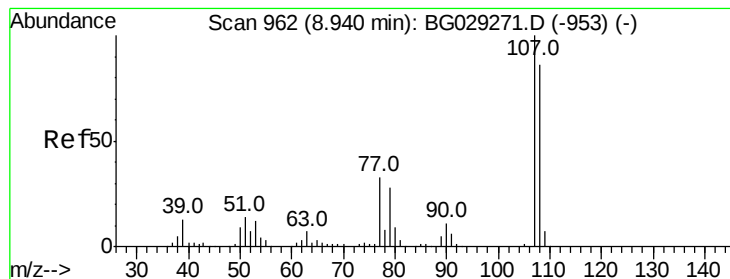
77 45.4 37.2 55.8

79 44.6 36.2 54.2



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





#20

3+4-Methylphenols

Concen: 219.169 ng

RT: 8.96 min Scan# 965

Delta R.T. 0.02 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

Tot Ion:107 Resp: 1326901

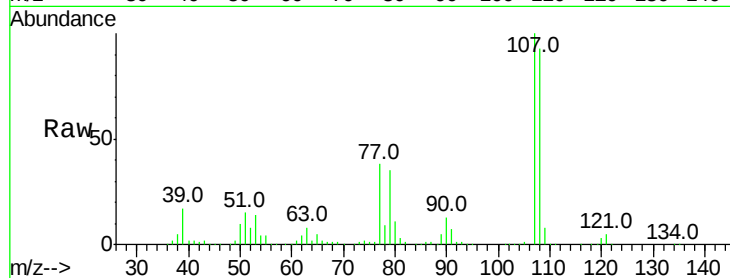
Ion Ratio Lower Upper

107 100

108 93.4 61.6 101.6

77 38.1 13.9 53.9

79 35.5 8.8 48.8

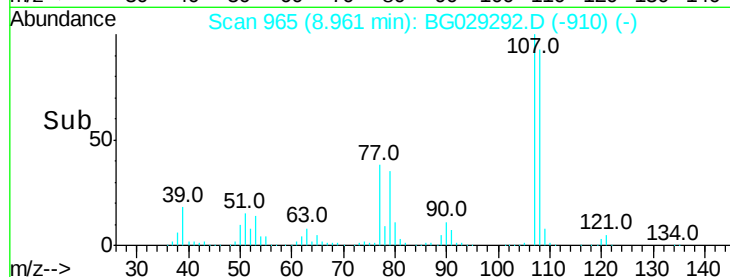


Abundance Ion 107.00 (106.70 to 107.70): E

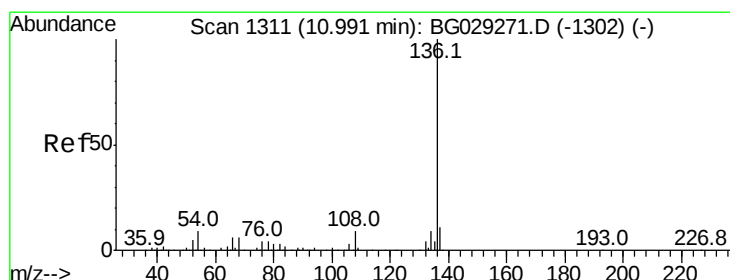
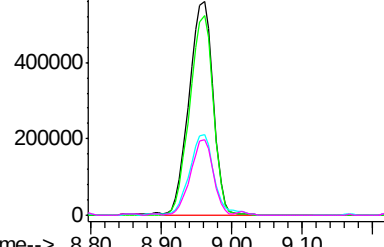
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time--> 8.80 8.90 9.00 9.10



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Tgt Ion:136 Resp: 340259

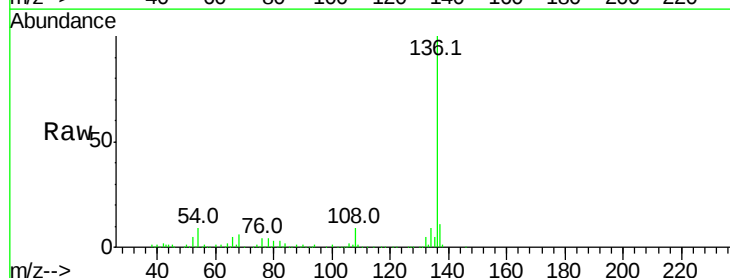
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 8.5 10.3 15.5#

68 5.7 4.5 6.7

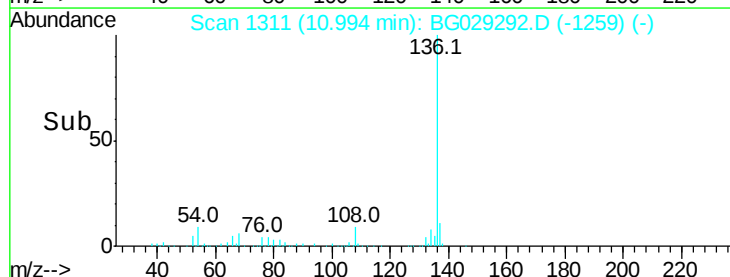


Abundance Ion 136.00 (135.70 to 136.70): E

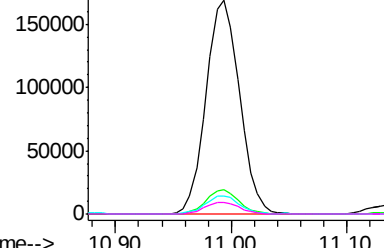
Ion 137.00 (136.70 to 137.70): E

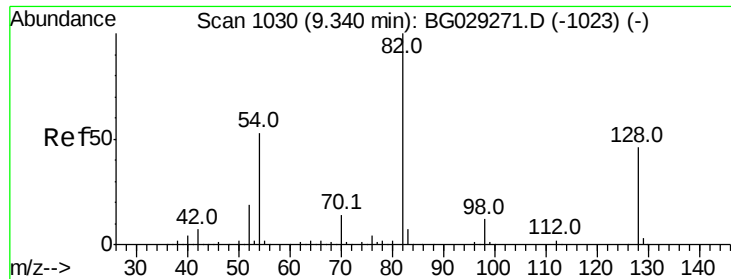
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time--> 10.90 11.00 11.10

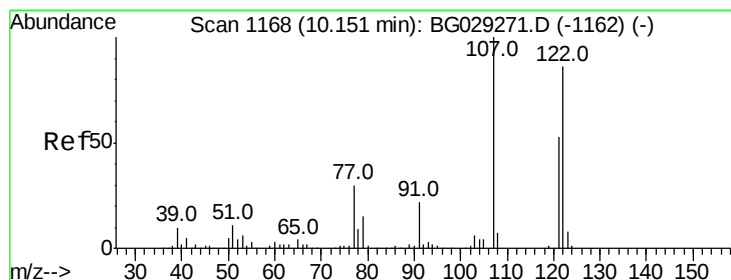
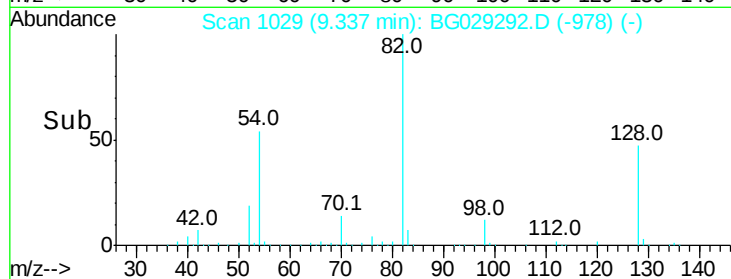
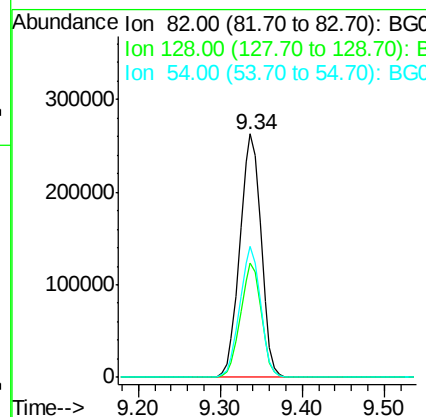
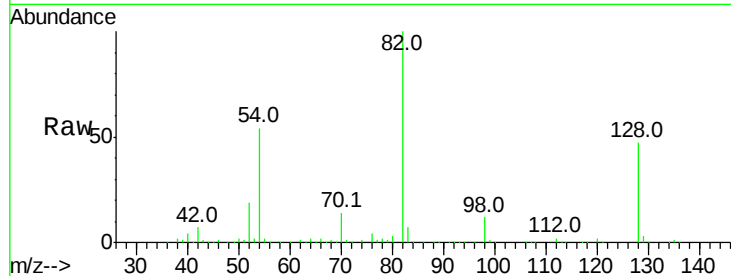




#23
 Nitrobenzene-d5
 Concen: 88.475 ng
 RT: 9.34 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BG029292.D
 Acq: 17 Oct 2017 4:43

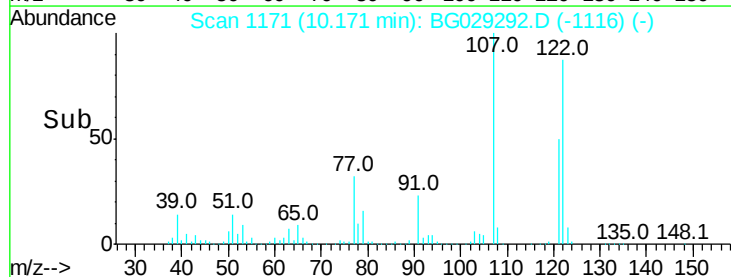
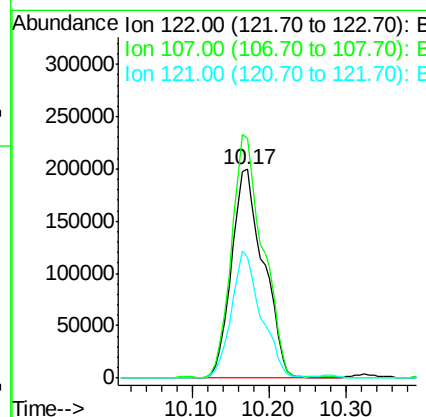
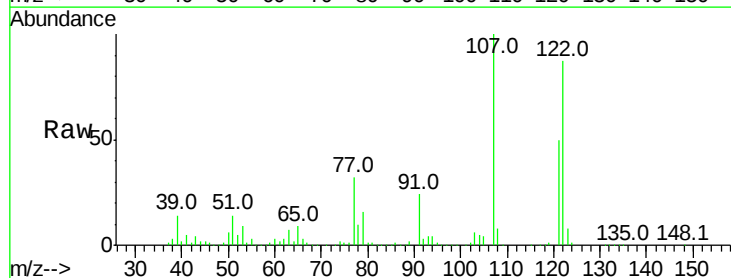
Instrument :
 BNA_G
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 WH-TWS-03

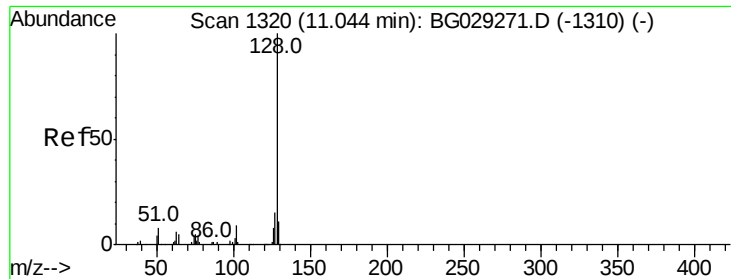
Tot Ion: 82 Resp: 473731
 Ion Ratio Lower Upper
 82 100
 128 46.7 29.7 44.5#
 54 53.9 43.1 64.7



#27
 2,4-Dimethylphenol
 Concen: 111.815 ng
 RT: 10.17 min Scan# 1171
 Delta R.T. 0.02 min
 Lab File: BG029292.D
 Acq: 17 Oct 2017 4:43

Tgt Ion:122 Resp: 582105
 Ion Ratio Lower Upper
 122 100
 107 115.2 100.2 150.2
 121 57.5 44.4 66.6

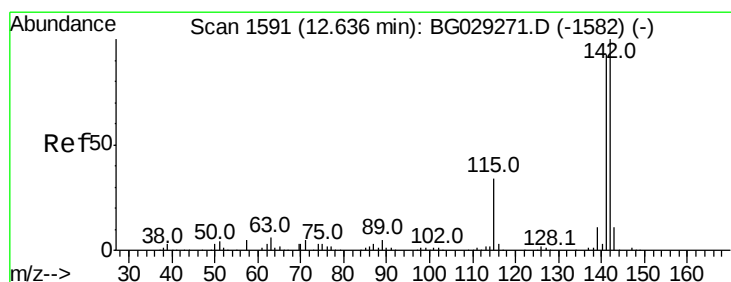
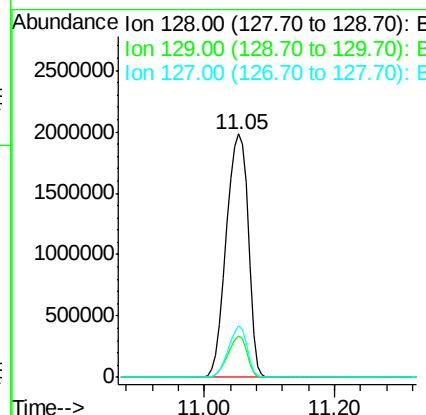
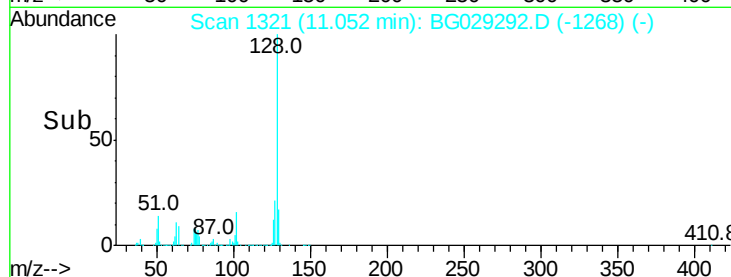
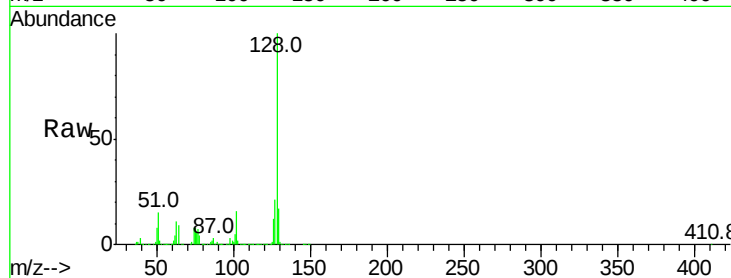




#31
Naphthalene
Concen: 273.351 ng
RT: 11.05 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

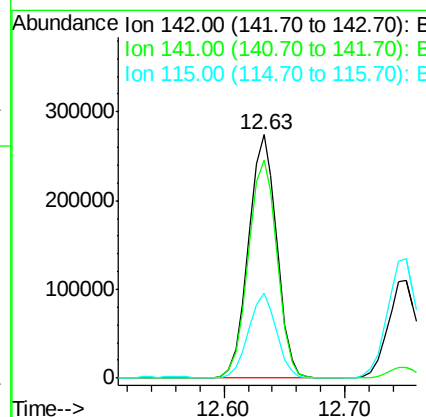
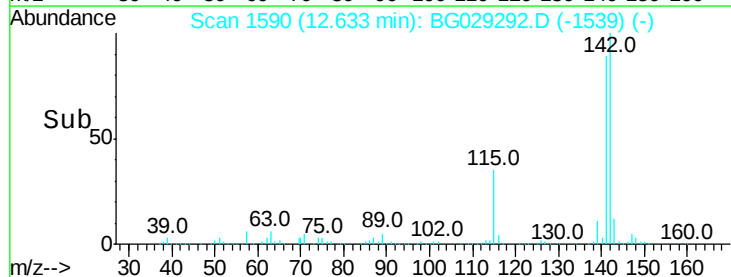
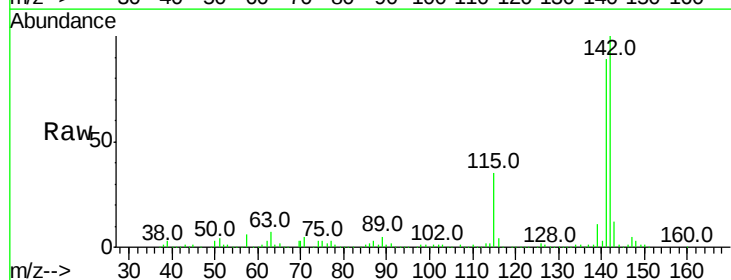
Instrument :
BNA_G
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WH-TWS-03

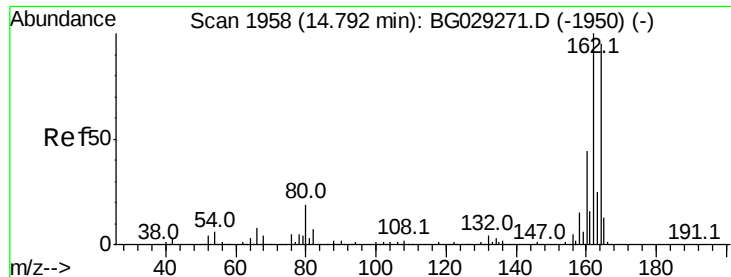
Tot Ion:128 Resp: 4635447
Ion Ratio Lower Upper
128 100
129 16.9 8.6 12.8#
127 21.3 11.6 17.4#



#37
2-Methylnaphthalene
Concen: 36.342 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

Tgt Ion:142 Resp: 449153
Ion Ratio Lower Upper
142 100
141 89.4 67.1 100.7
115 34.7 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

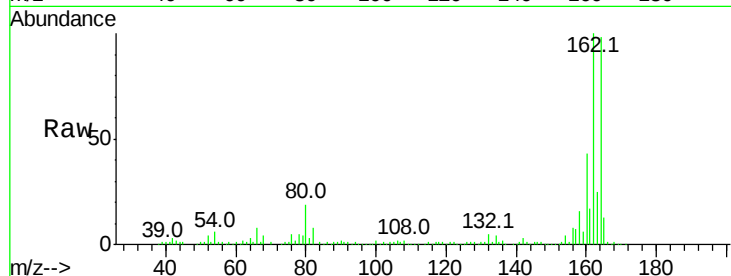
Tot Ion:164 Resp: 209850

Ion Ratio Lower Upper

164 100

162 102.4 78.8 118.2

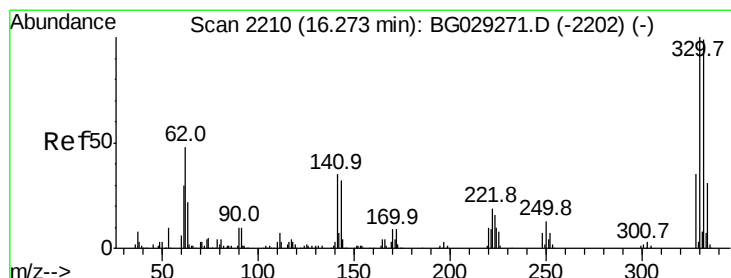
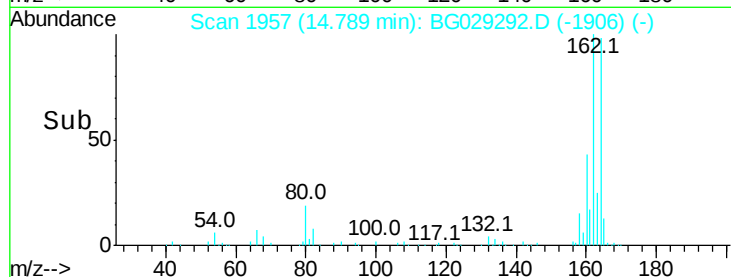
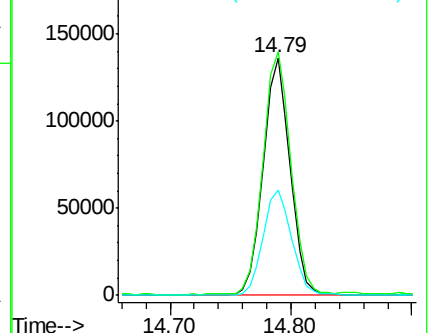
160 44.5 35.4 53.0



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: 119.218 ng

RT: 16.27 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

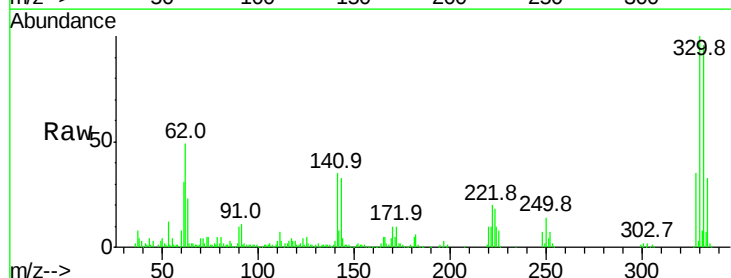
Tgt Ion:330 Resp: 323008

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

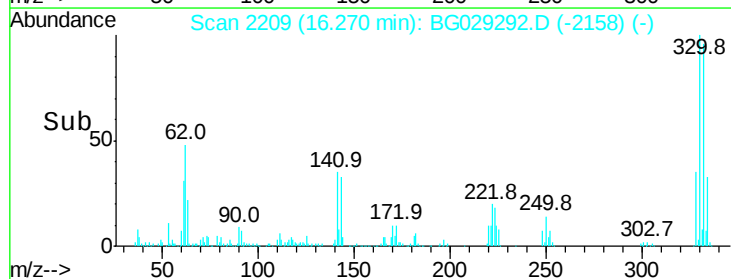
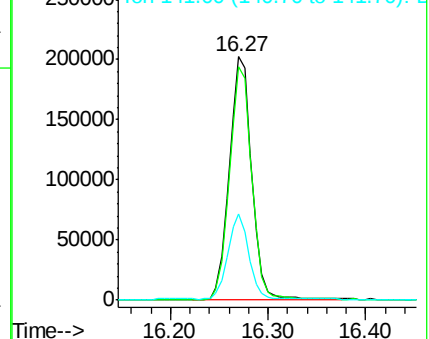
141 32.6 25.2 37.8

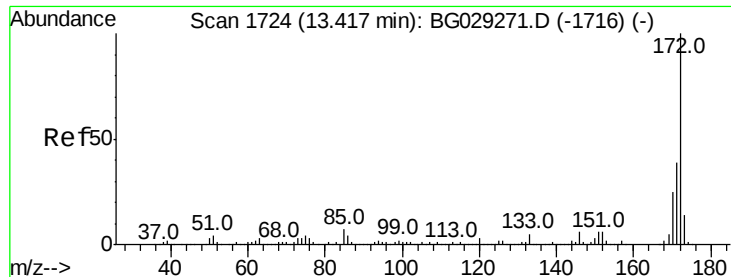


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



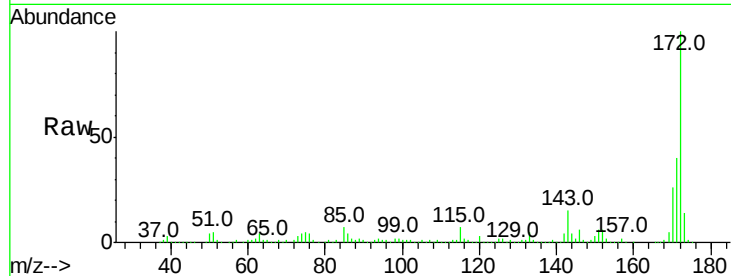


#44
 2-Fluorobiphenyl
 Concen: 82.013 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.00 min
 Lab File: BG029292.D
 Acq: 17 Oct 2017 4:43

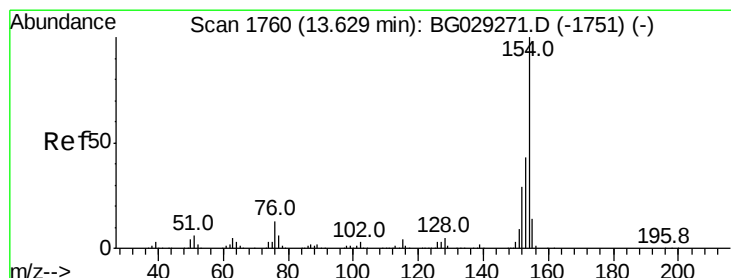
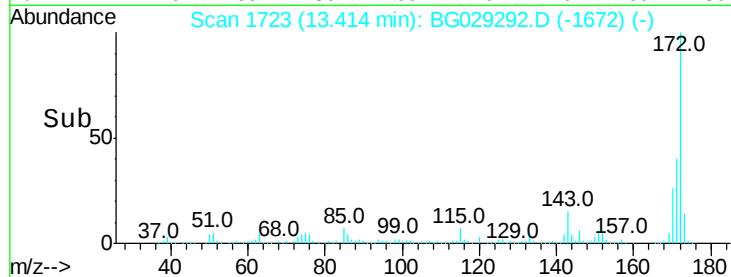
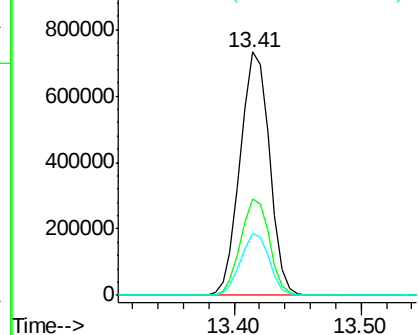
Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-03

Tot Ion:172 Resp: 1173450

Ion	Ratio	Lower	Upper
172	100		
171	39.6	30.0	45.0
170	25.6	19.5	29.3



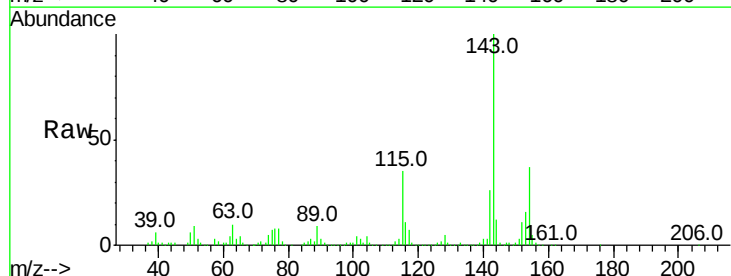
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



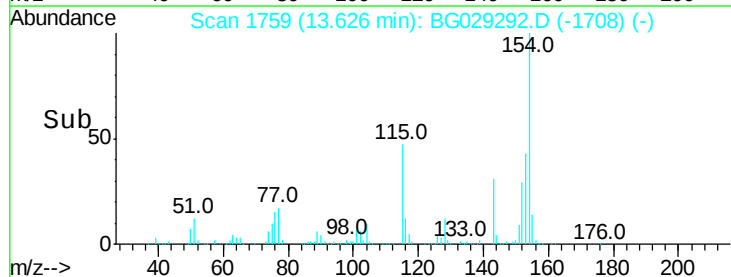
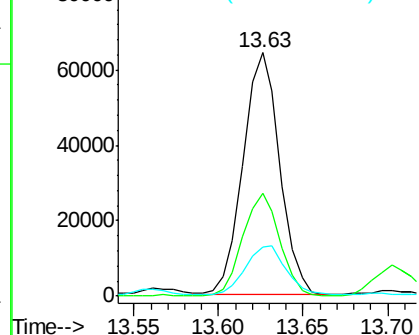
#45
 1,1'-Biphenyl
 Concen: 5.382 ng
 RT: 13.63 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BG029292.D
 Acq: 17 Oct 2017 4:43

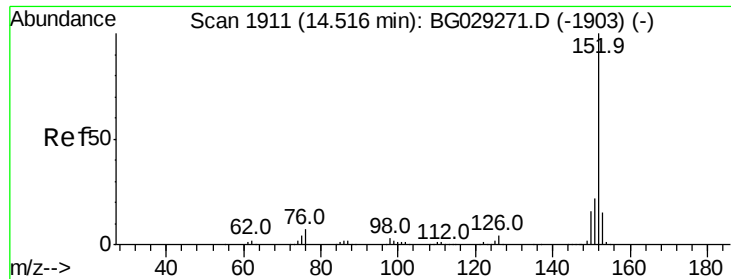
Tgt Ion:154 Resp: 97079

Ion	Ratio	Lower	Upper
154	100		
153	42.1	19.8	59.8
76	20.3	0.0	31.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#48

Acenaphthylene

Concen: 9.560 ng

RT: 14.51 min Scan# 1910

Delta R.T. -0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

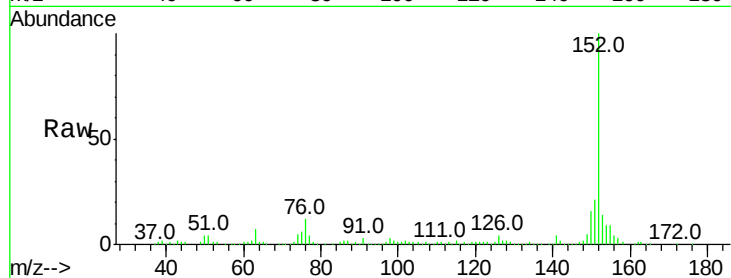
Tot Ion:152 Resp: 196850

Ion Ratio Lower Upper

152 100

151 21.2 17.2 25.8

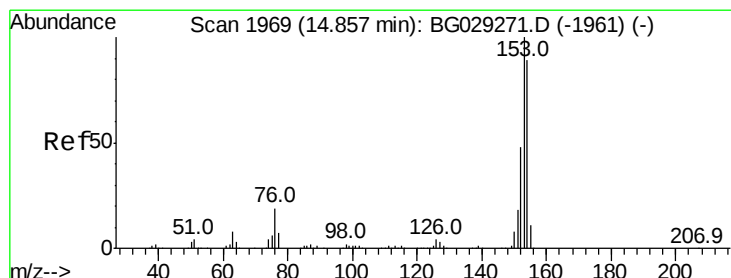
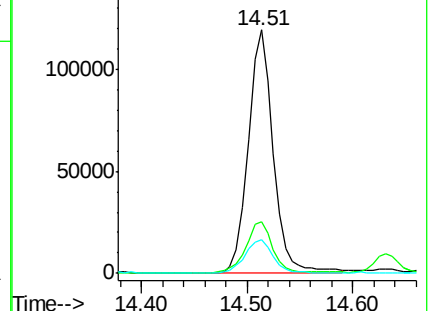
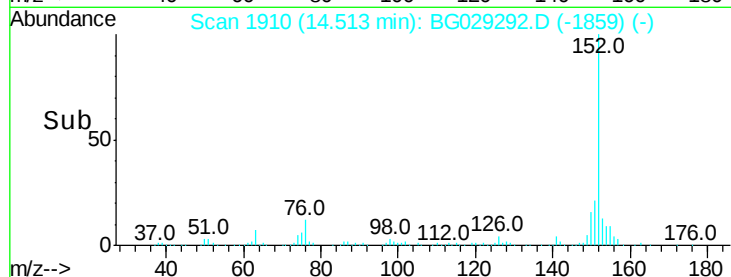
153 14.0 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 14.527 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

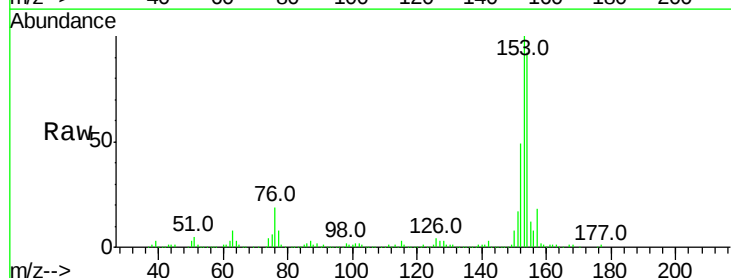
Tgt Ion:154 Resp: 194621

Ion Ratio Lower Upper

154 100

153 108.5 90.4 135.6

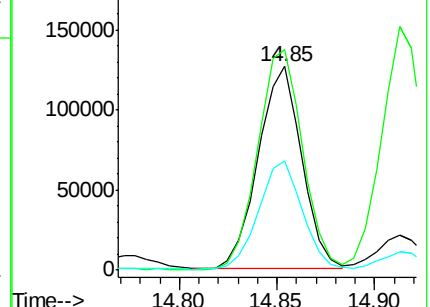
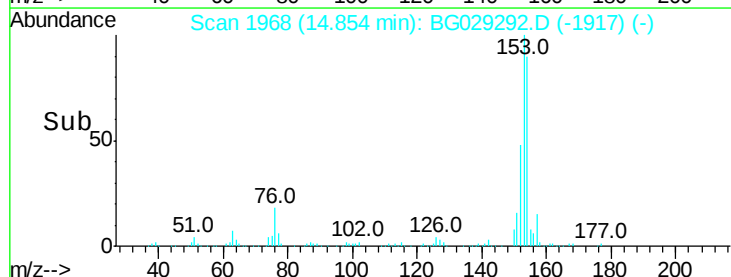
152 53.6 41.6 62.4

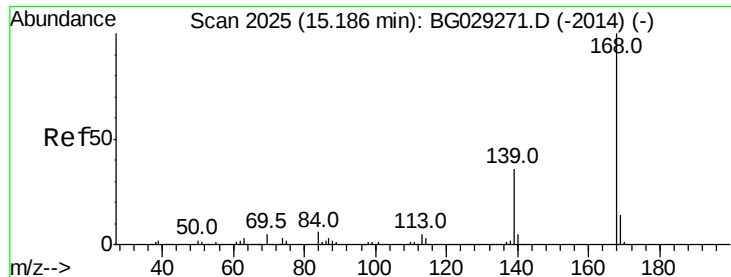


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

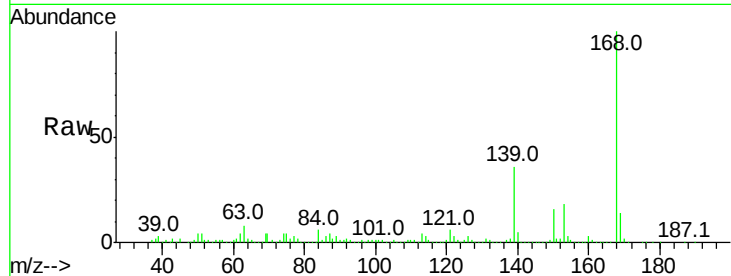




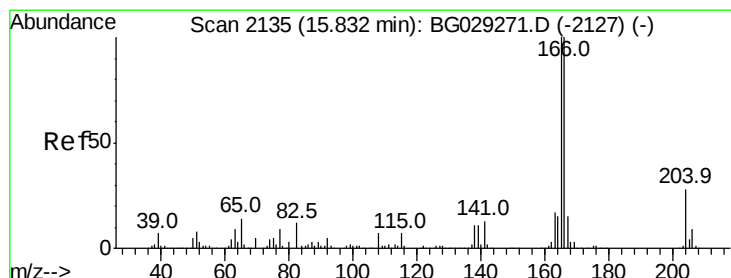
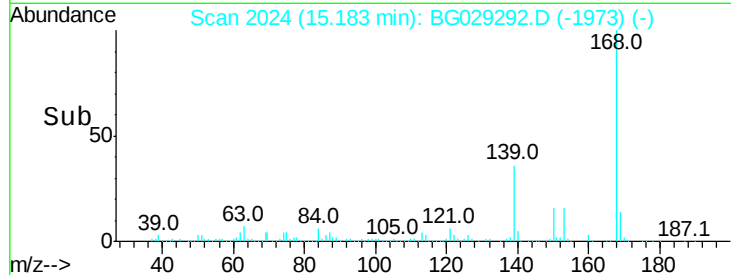
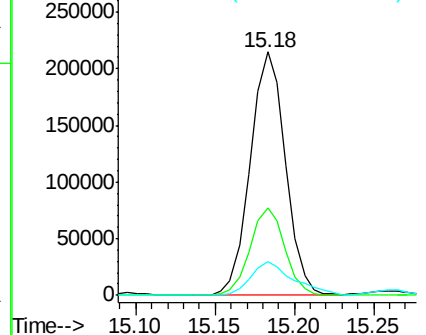
#54
Dibenzenofuran
Concen: 17.282 ng
RT: 15.18 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

Instrument :
BNA_G
ClientSampleId :
WH-TWS-03

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	28.6	43.0
169	13.7	11.2	16.8

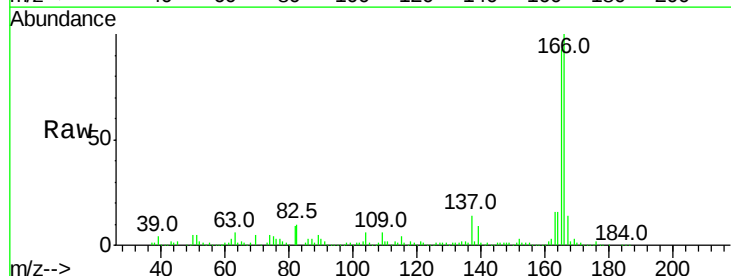


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

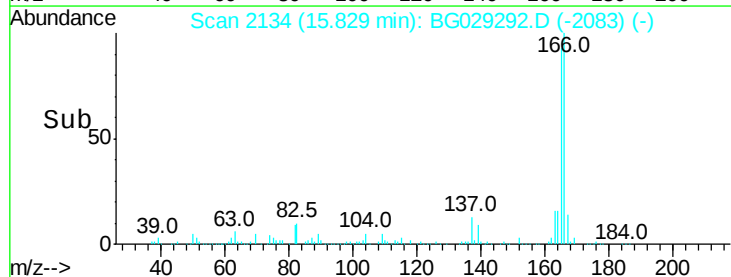
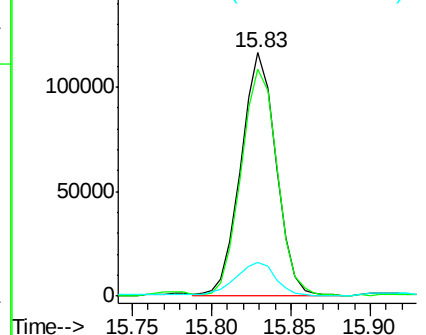


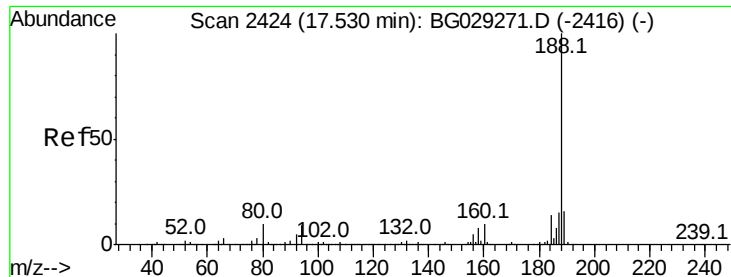
#57
Fluorene
Concen: 11.307 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.2	80.6	121.0
167	14.0	10.4	15.6



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

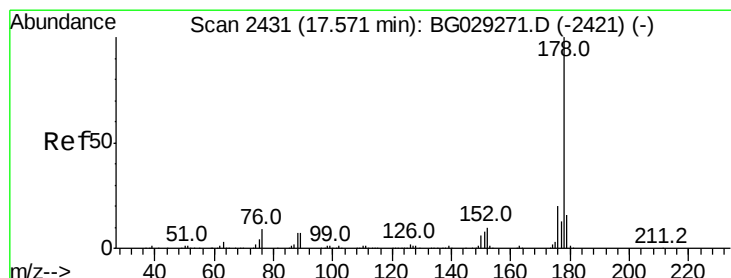
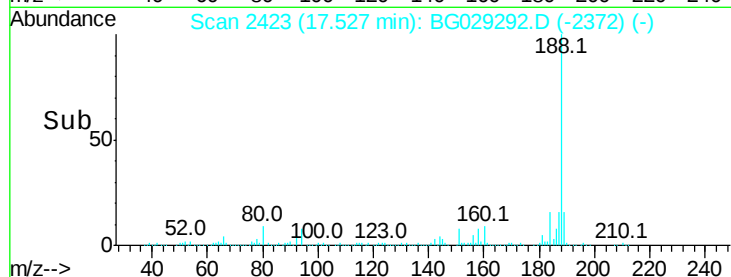
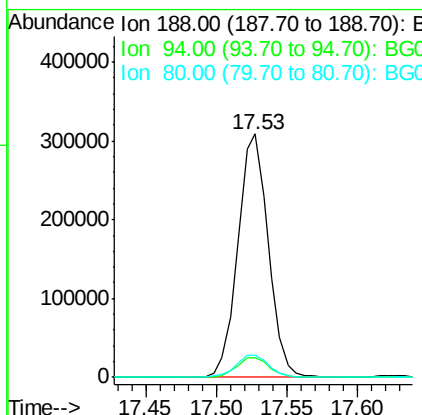
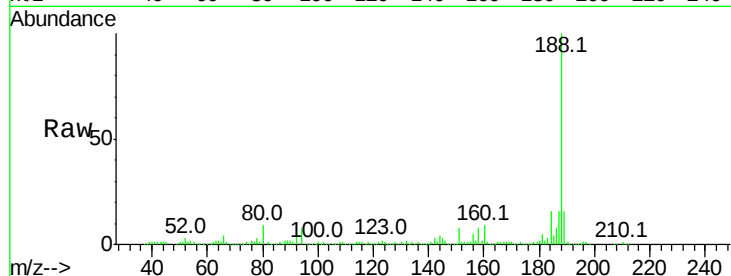




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

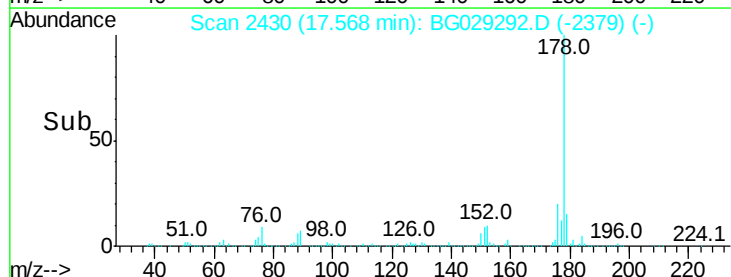
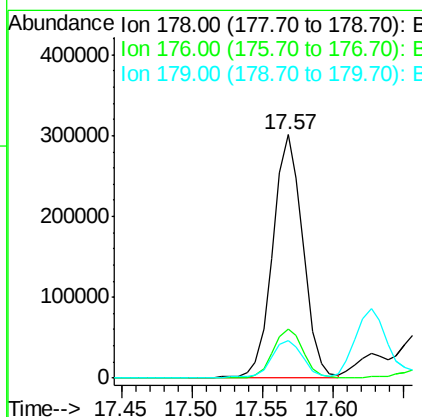
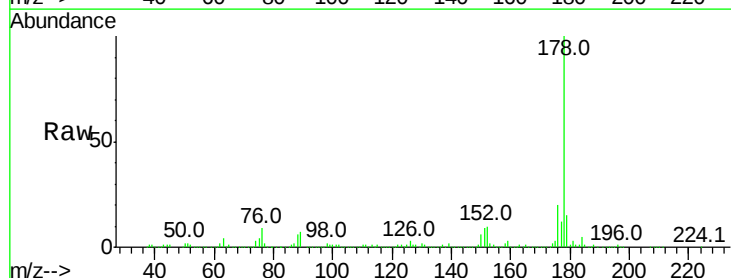
Instrument :
BNA_G
ClientSampleId :
WH-TWS-03

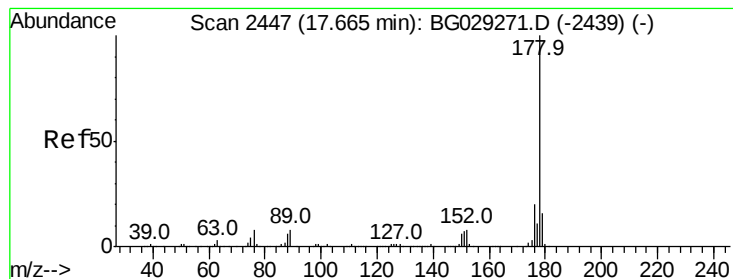
Tot Ion:188 Resp: 464650
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 9.3 7.7 11.5



#70
Phenanthrene
Concen: 18.691 ng
RT: 17.57 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

Tgt Ion:178 Resp: 448664
Ion Ratio Lower Upper
178 100
176 20.4 15.7 23.5
179 15.4 12.5 18.7





#71

Anthracene

Concen: 3.220 ng

RT: 17.66 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

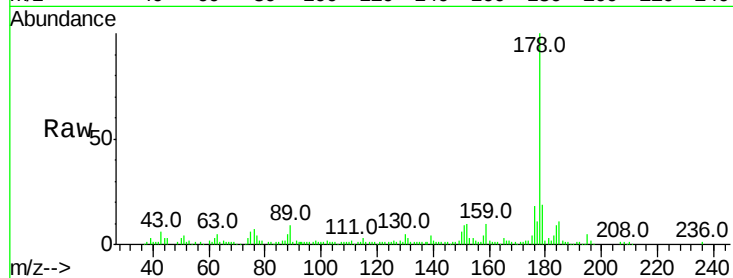
Tot Ion:178 Resp: 77611

Ion Ratio Lower Upper

178 100

176 18.3 16.0 24.0

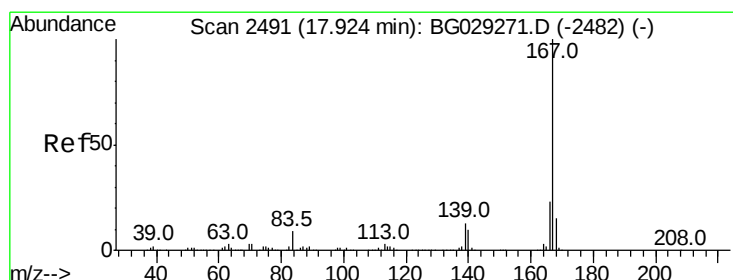
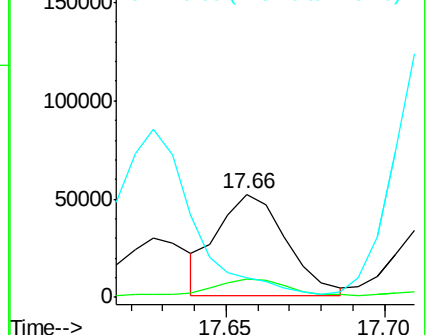
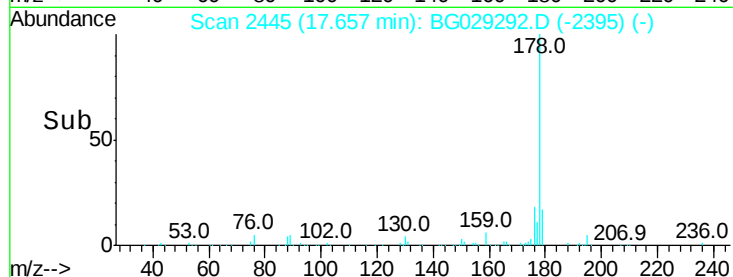
179 18.7 12.5 18.7



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



#72

Carbazole

Concen: 39.293 ng

RT: 17.93 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

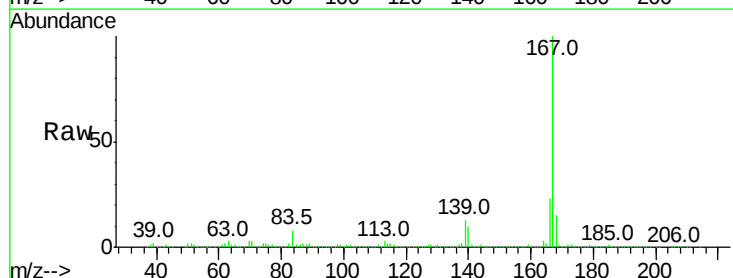
Tgt Ion:167 Resp: 909788

Ion Ratio Lower Upper

167 100

166 23.5 18.2 27.4

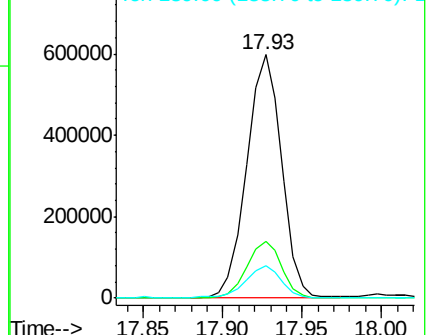
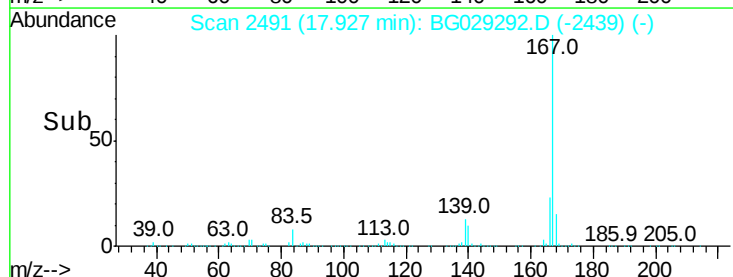
139 13.3 9.4 14.2

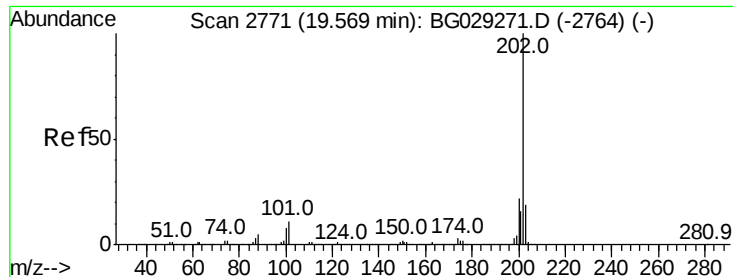


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 3.619 ng

RT: 19.56 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

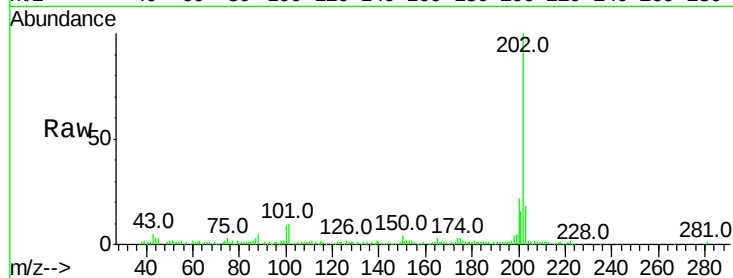
Tot Ion:202 Resp: 101599

Ion Ratio Lower Upper

202 100

101 10.4 0.0 28.9

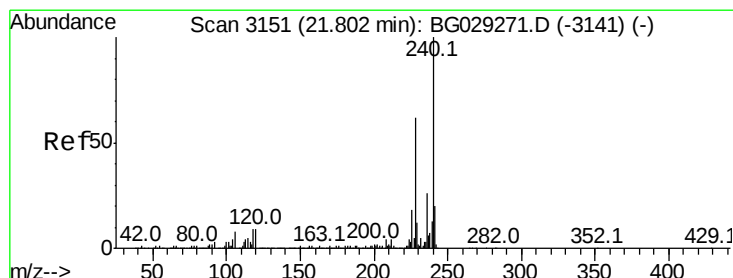
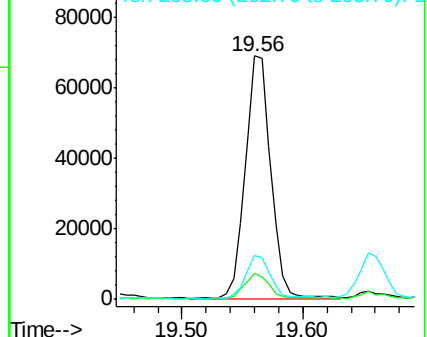
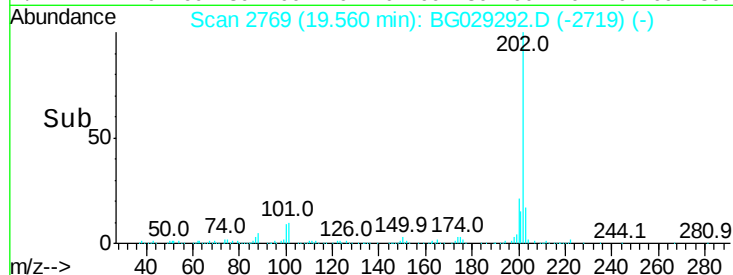
203 17.8 0.0 37.5



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: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

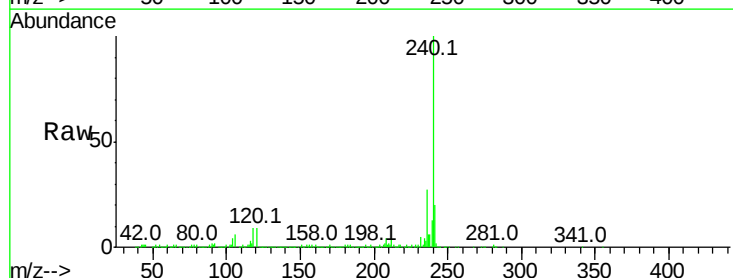
Tgt Ion:240 Resp: 508922

Ion Ratio Lower Upper

240 100

120 9.3 6.8 10.2

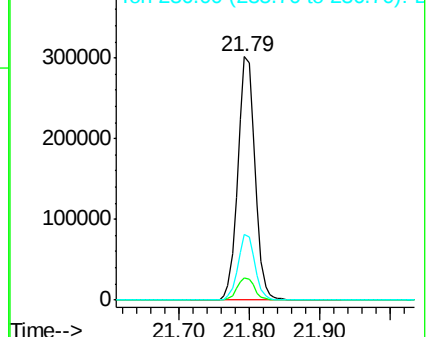
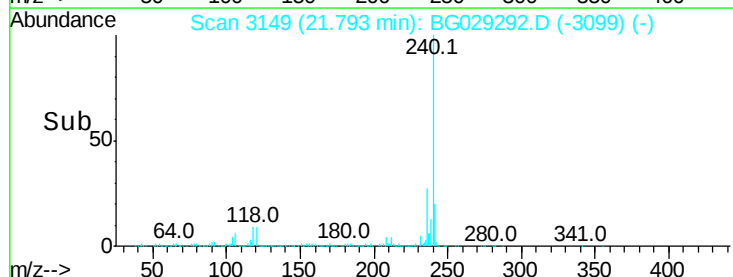
236 27.0 20.9 31.3

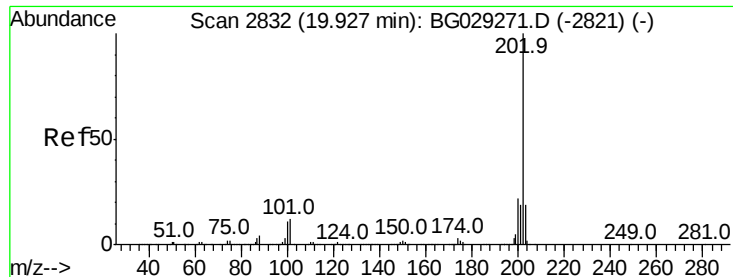


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.037 ng

RT: 19.92 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03

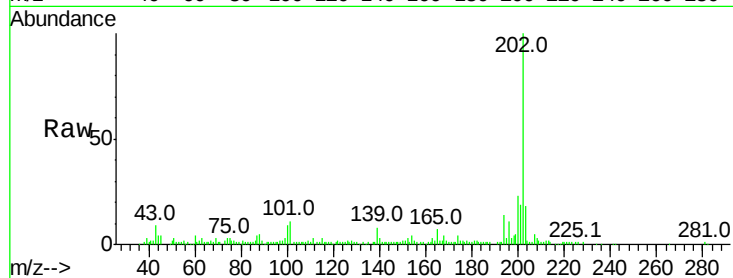
Tot Ion:202 Resp: 62892

Ion Ratio Lower Upper

202 100

200 22.8 16.9 25.3

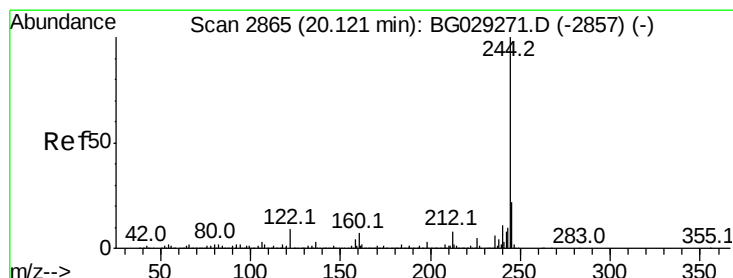
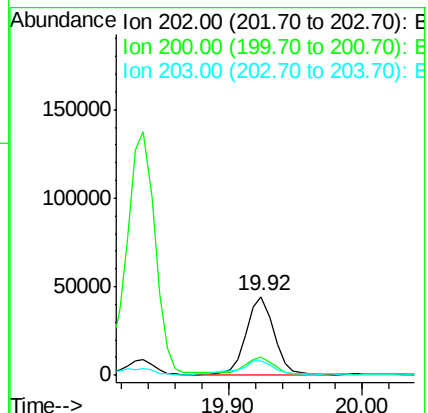
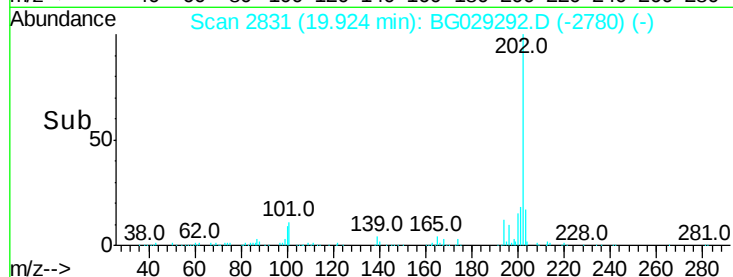
203 17.7 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 77.684 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG029292.D

Acq: 17 Oct 2017 4:43

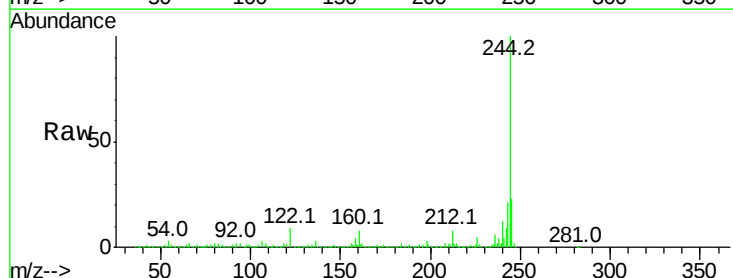
Tgt Ion:244 Resp: 1737862

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

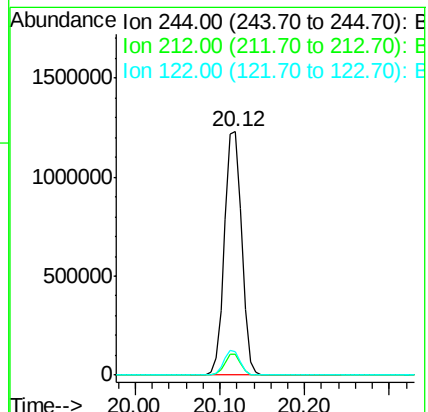
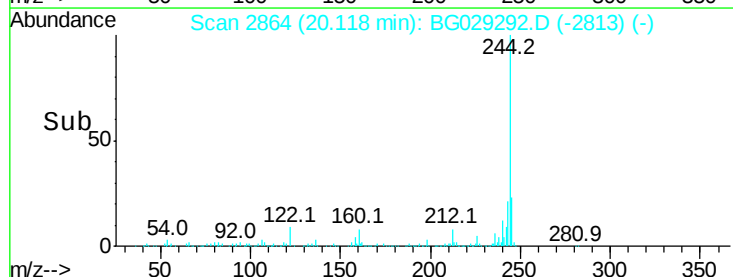
122 9.5 7.0 10.4

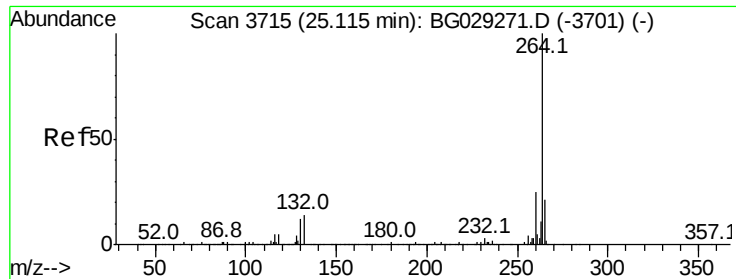


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

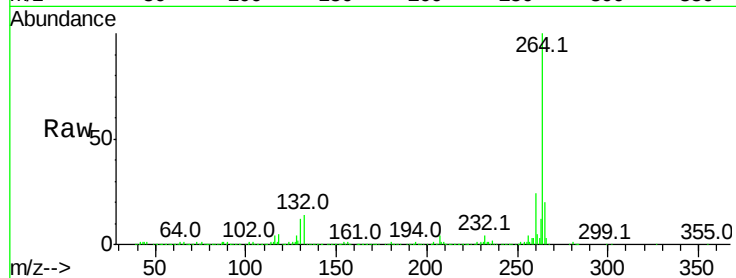




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG029292.D
Acq: 17 Oct 2017 4:43

Instrument :
BNA_G
ClientSampleId :
WH-TWS-03

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	20.4	17.7	26.5



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

