

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029298.D
 Acq On : 17 Oct 2017 8:39
 Operator : SJ/JU
 Sample : I5906-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-09

Quant Time: Oct 17 15:02:00 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	69808	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	340550	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	215725	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	475352	20.00	ng	0.00
75) Chrysene-d12	21.80	240	515136	20.00	ng	0.00
86) Perylene-d12	25.10	264	518448	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	536621	128.42	ng	0.00
7) Phenol-d6	7.32	99	694119	118.34	ng	0.00
23) Nitrobenzene-d5	9.33	82	526405	98.23	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	375281	134.74	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1323644	89.99	ng	0.00
78) Terphenyl-d14	20.12	244	1780304	78.62	ng	0.00

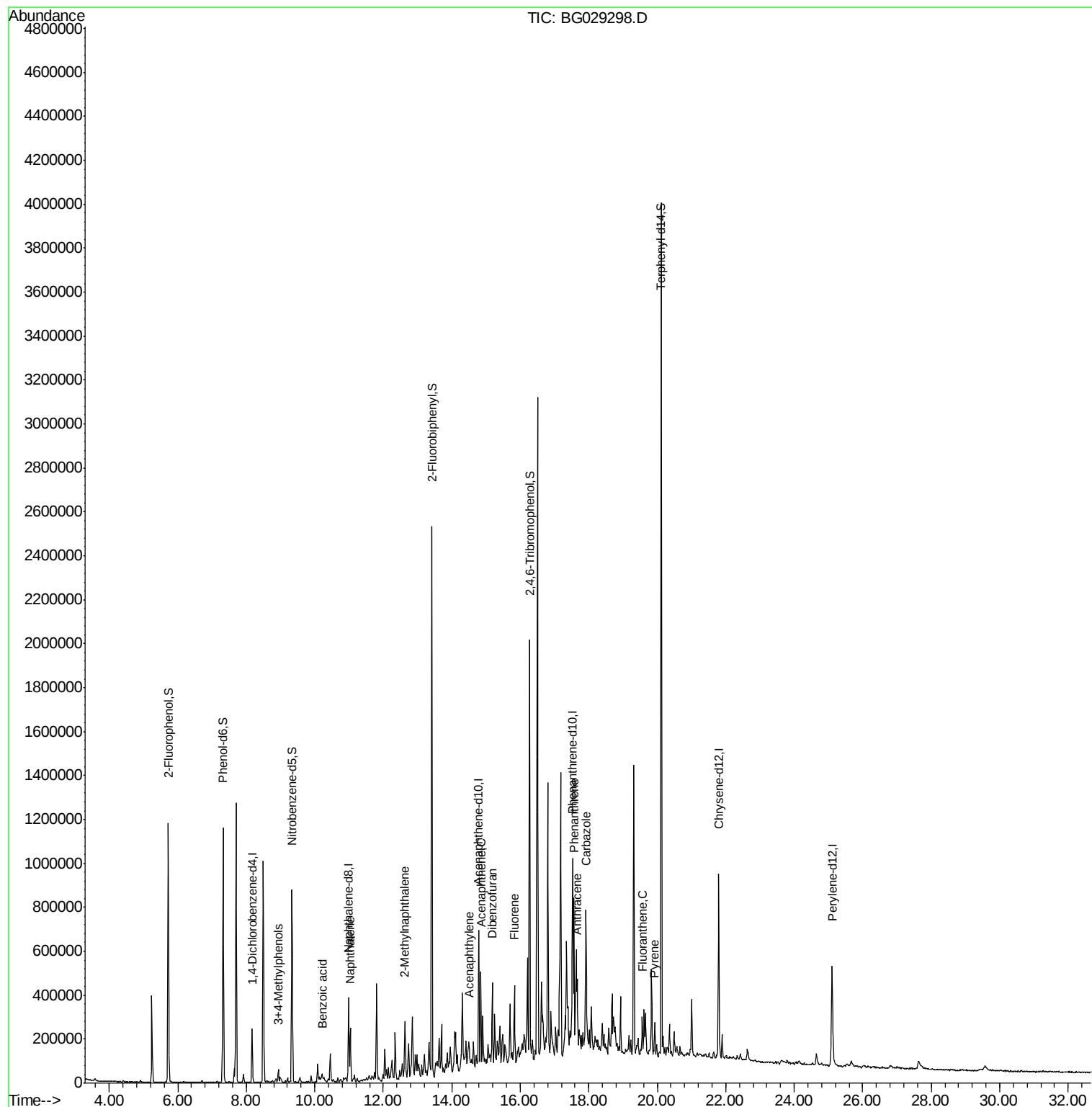
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	8.94	107	16835	2.844	ng	# 77
31) Naphthalene	11.04	128	194737	11.474	ng	99
32) Benzoic acid	10.22	122	18065	4.141	ng	91
37) 2-Methylnaphthalene	12.63	142	105571	8.535	ng	93
48) Acenaphthylene	14.51	152	53881	2.545	ng	# 96
51) Acenaphthene	14.85	154	136752	9.930	ng	95
54) Dibenzofuran	15.19	168	236592	12.034	ng	98
57) Fluorene	15.83	166	115549	7.114	ng	85
70) Phenanthrene	17.57	178	419862	17.098	ng	99
71) Anthracene	17.66	178	142843	5.793	ng	98
72) Carbazole	17.92	167	389573	16.447	ng	99
74) Fluoranthene	19.56	202	100849	3.511	ng	97
77) Pvrene	19.92	202	64168	2.053	ng	96

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

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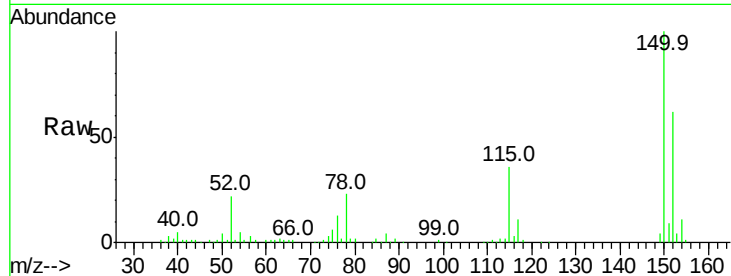


#1

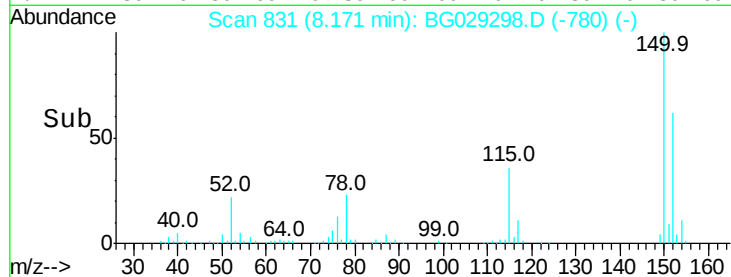
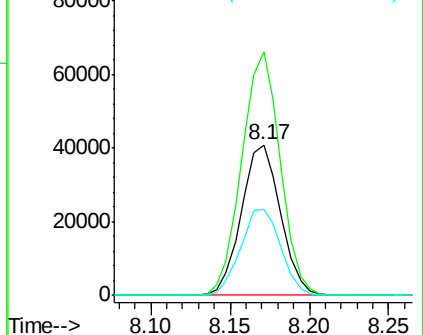
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Instrument :
BNA_G
ClientSampleId :
WH-TWS-09

Tot Ion:152 Resp: 69808
Ion Ratio Lower Upper
152 100
150 161.9 126.6 189.8
115 57.7 53.0 79.4



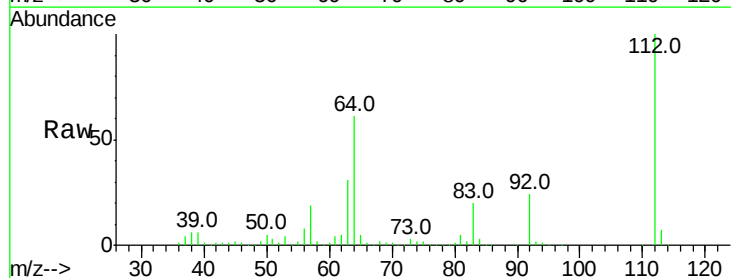
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



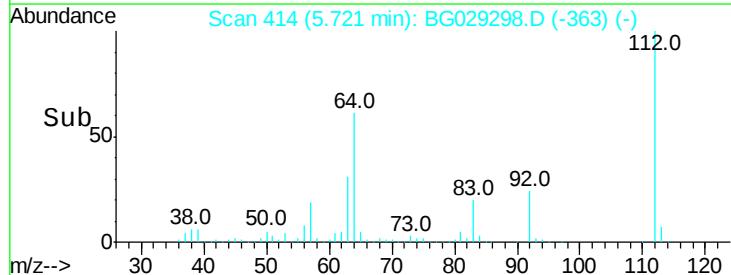
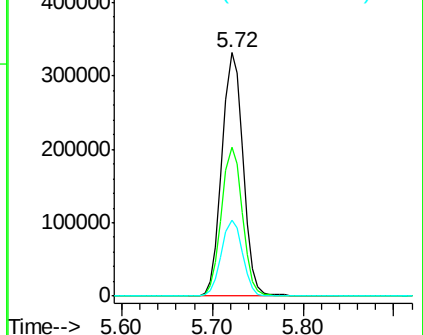
#5

2-Fluorophenol
Concen: 128.417 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Tgt Ion:112 Resp: 536621
Ion Ratio Lower Upper
112 100
64 60.9 56.3 84.5
63 31.4 30.1 45.1



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: 118.339 ng

RT: 7.32 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Instrument :

BNA_G

ClientSampleId :

WH-TWS-09

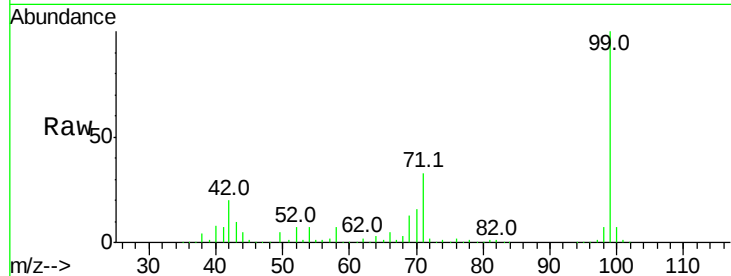
Tot Ion: 99 Resp: 694119

Ion Ratio Lower Upper

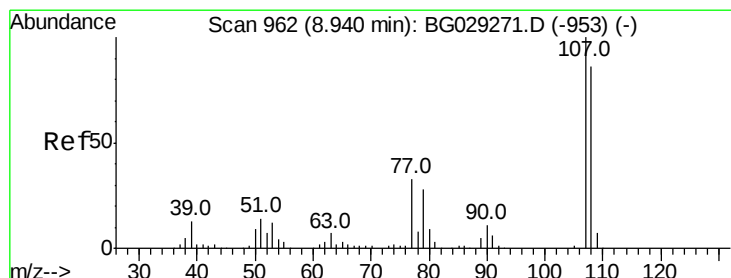
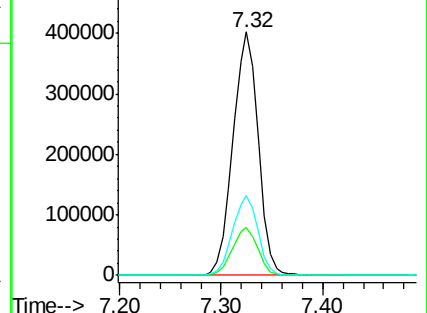
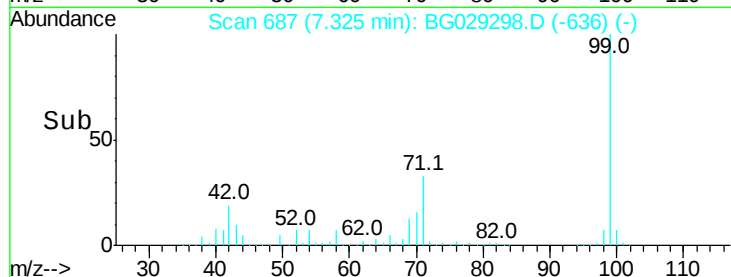
99 100

42 19.5 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



#20

3+4-Methylphenols

Concen: 2.844 ng

RT: 8.94 min Scan# 962

Delta R.T. 0.00 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Tgt Ion:107 Resp: 16835

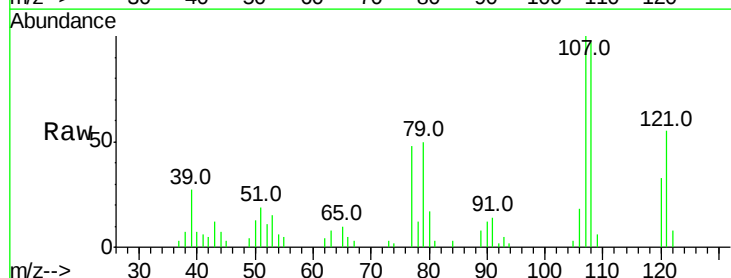
Ion Ratio Lower Upper

107 100

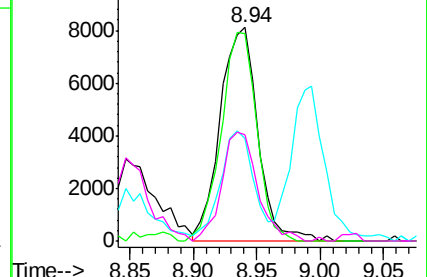
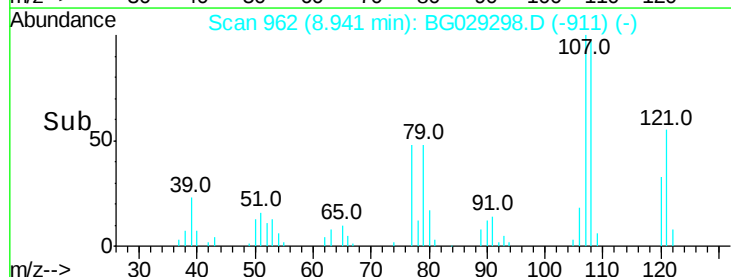
108 96.9 61.6 101.6

77 47.9 13.9 53.9

79 49.8 8.8 48.8#



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

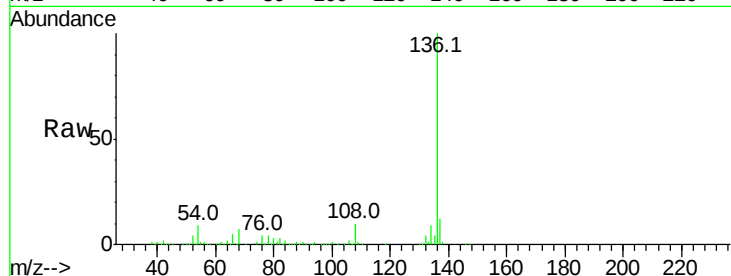




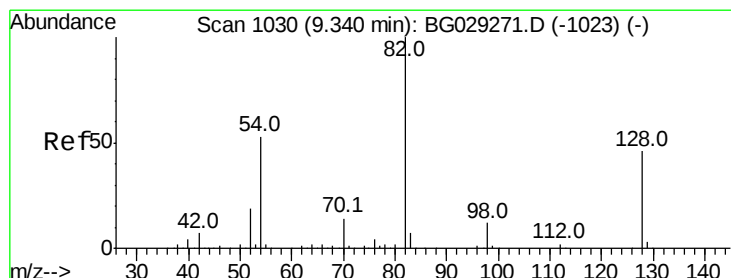
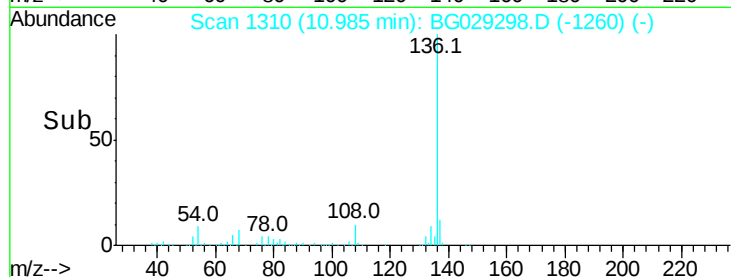
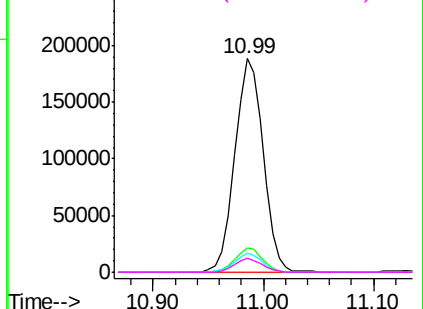
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Instrument :
BNA_G
ClientSampleId :
WH-TWS-09

Tot Ion:	136	Resp:	340550
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	8.8	10.3	15.5#
68	6.6	4.5	6.7

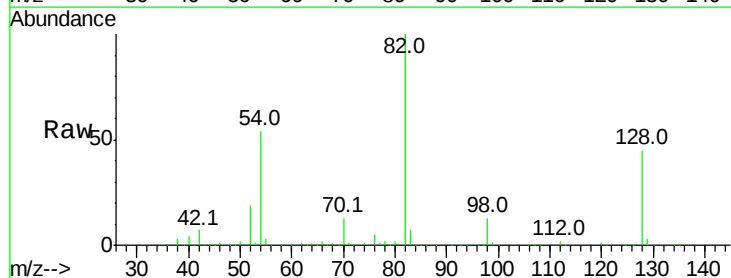


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

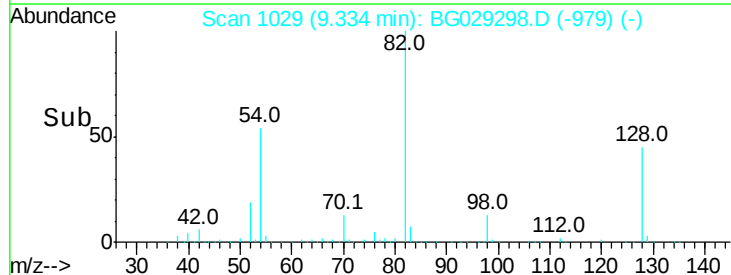
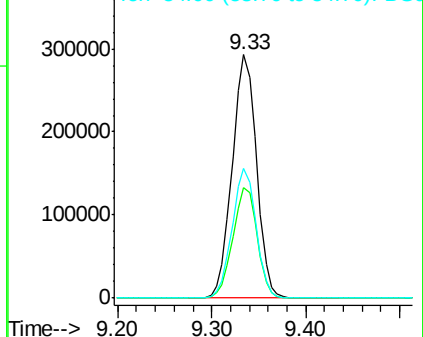


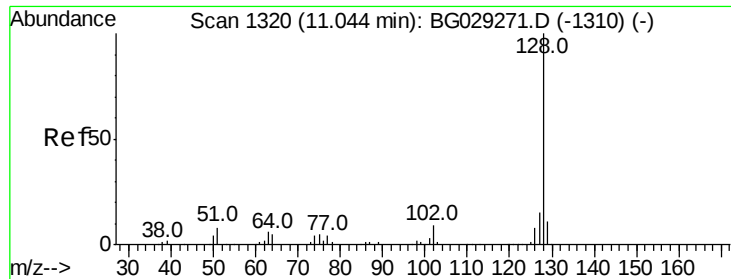
#23
Nitrobenzene-d5
Concen: 98.228 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Tgt Ion:	82	Resp:	526405
Ion	Ratio	Lower	Upper
82	100		
128	45.4	29.7	44.5#
54	53.5	43.1	64.7



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

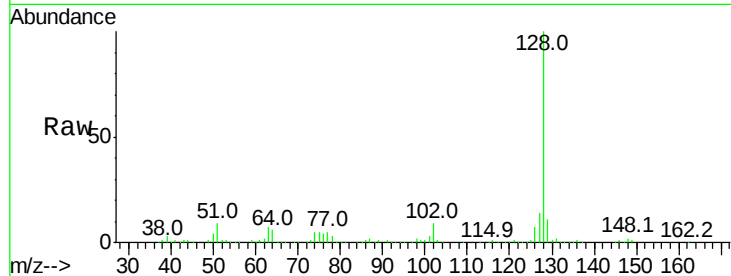




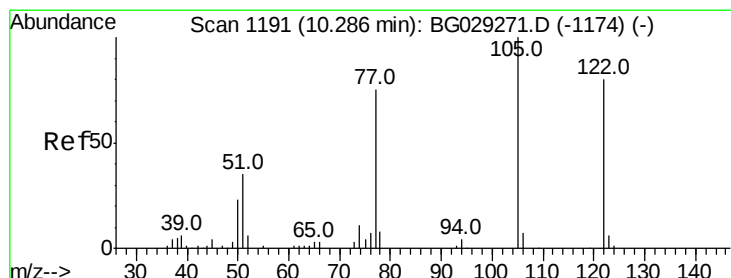
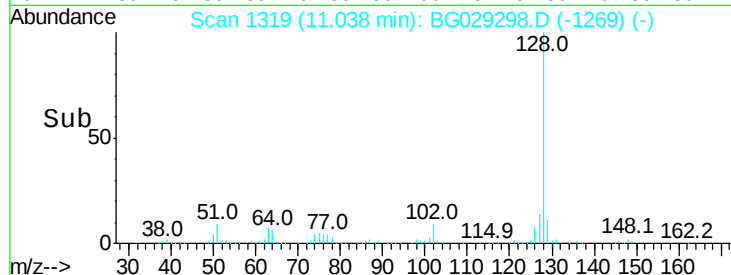
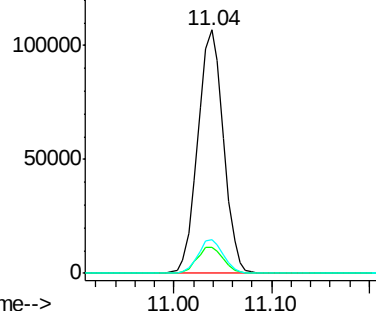
#31
Naphthalene
Concen: 11.474 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Instrument :
BNA_G
ClientSampleId :
WH-TWS-09

Tot Ion:128 Resp: 194737
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.6 11.6 17.4

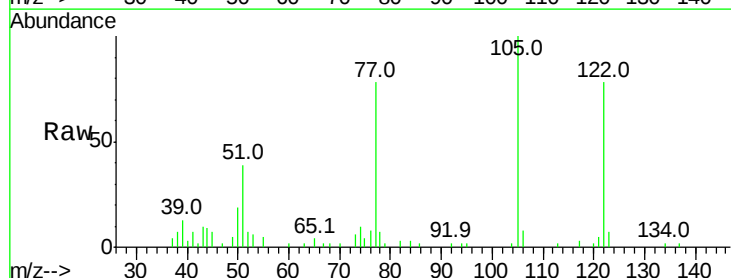


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

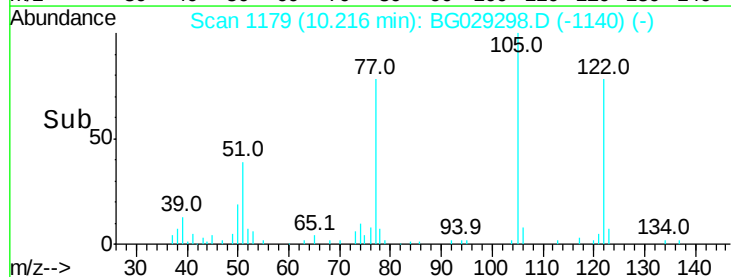
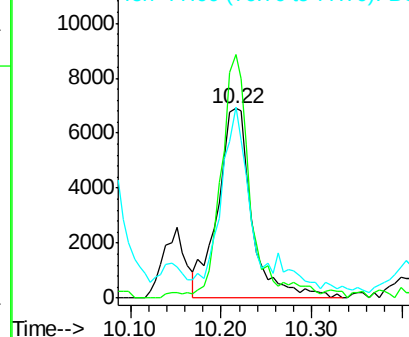


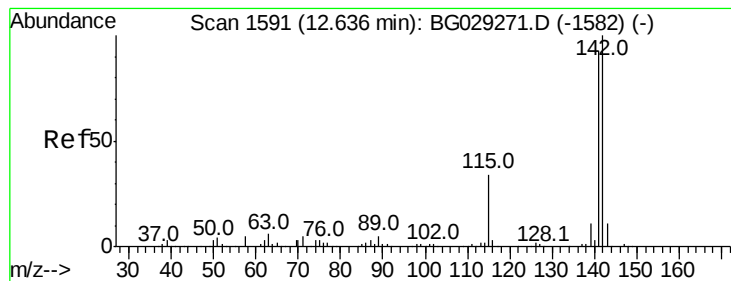
#32
Benzoic acid
Concen: 4.141 ng
RT: 10.22 min Scan# 1179
Delta R.T. -0.07 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Tgt Ion:122 Resp: 18065
Ion Ratio Lower Upper
122 100
105 128.6 123.5 163.5
77 100.7 85.7 125.7



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





#37

2-Methylnaphthalene

Concen: 8.535 ng

RT: 12.63 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Instrument :

BNA_G

ClientSampleId :

WH-TWS-09

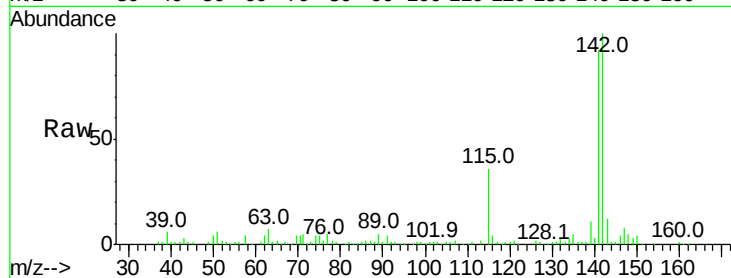
Tot Ion:142 Resp: 105571

Ion Ratio Lower Upper

142 100

141 91.6 67.1 100.7

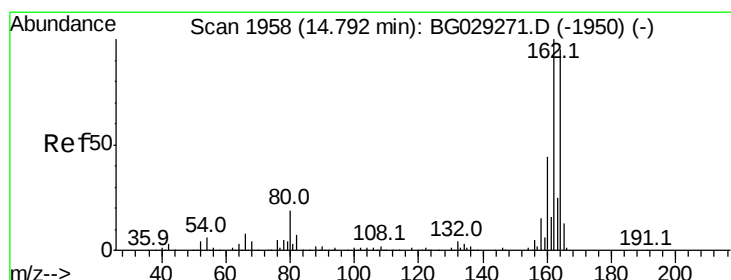
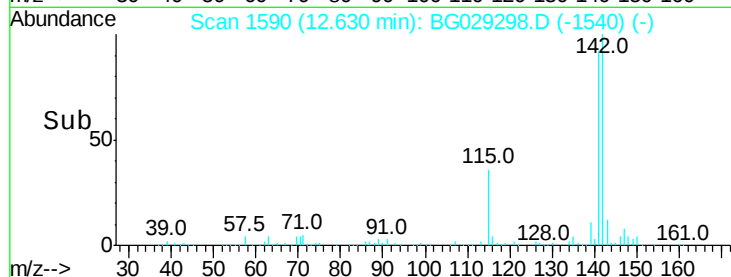
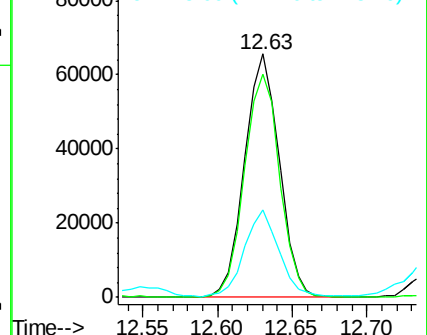
115 35.9 30.7 46.1



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: 20.000 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

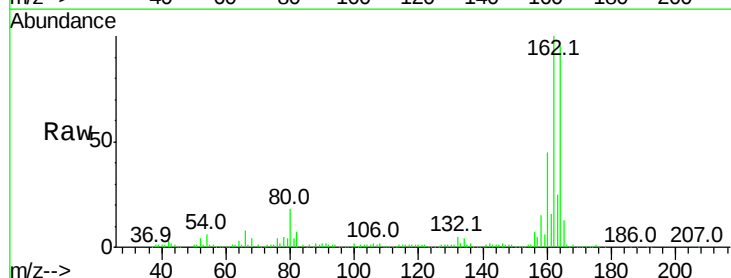
Tgt Ion:164 Resp: 215725

Ion Ratio Lower Upper

164 100

162 105.2 78.8 118.2

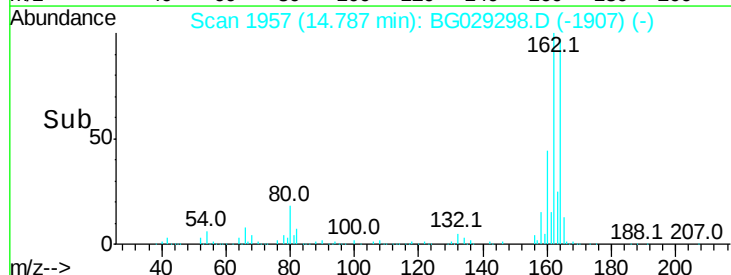
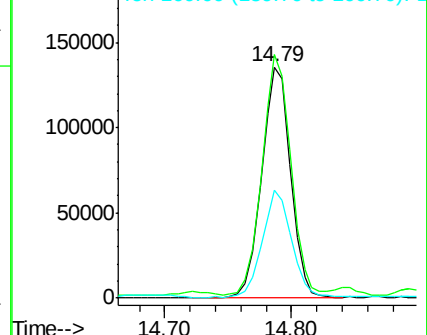
160 46.8 35.4 53.0

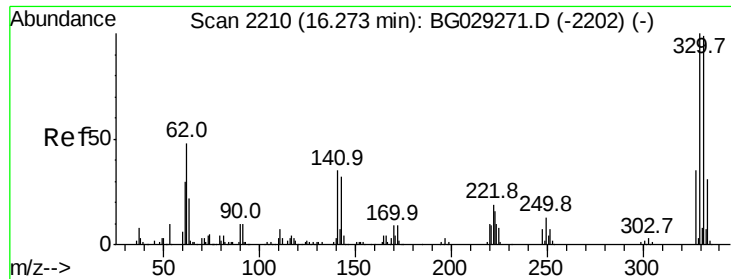


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

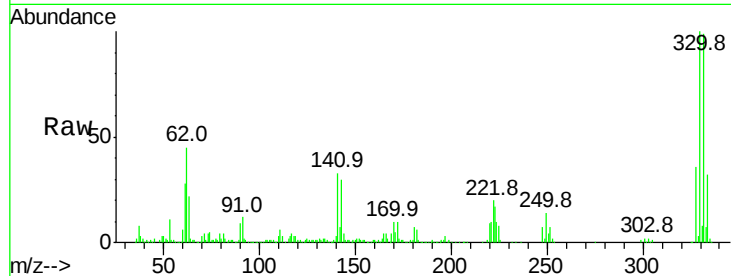




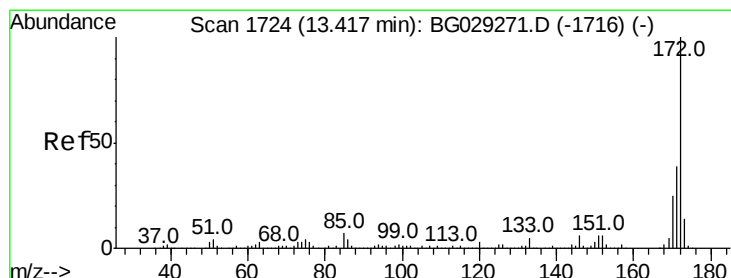
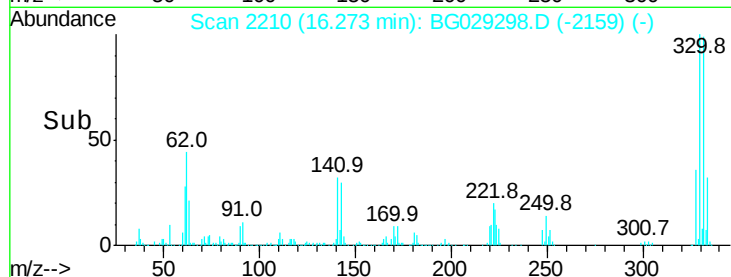
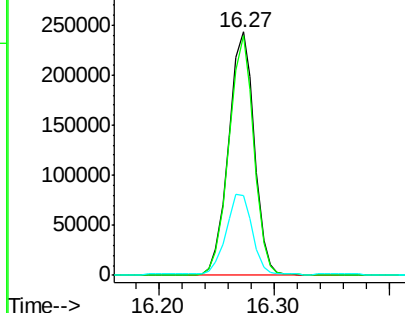
#41
 2,4,6-Tribromophenol
 Concen: 134.740 ng
 RT: 16.27 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: BG029298.D
 Acq: 17 Oct 2017 8:39

Instrument :
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 ClientSampleId :
 WH-TWS-09

Tot Ion:330 Resp: 375281
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 33.0 25.2 37.8

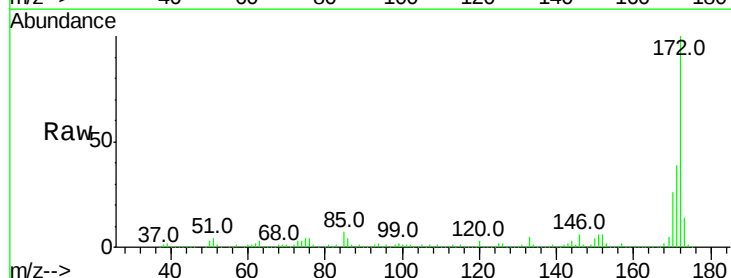


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

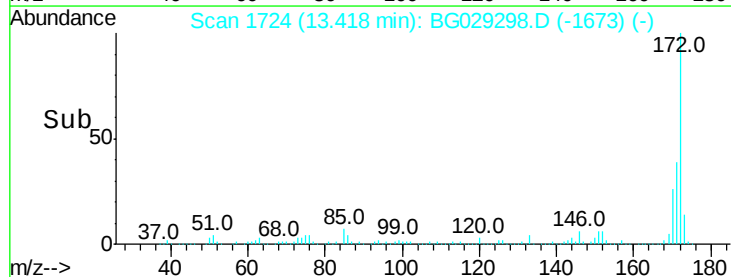
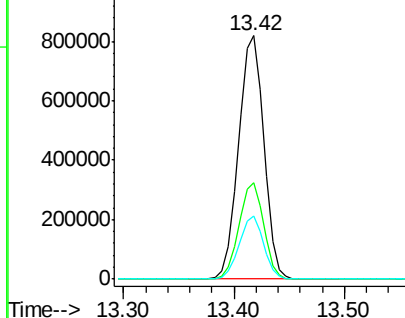


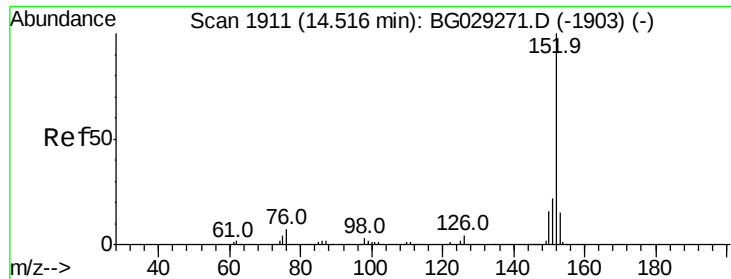
#44
 2-Fluorobiphenyl
 Concen: 89.991 ng
 RT: 13.42 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG029298.D
 Acq: 17 Oct 2017 8:39

Tgt Ion:172 Resp: 1323644
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.0 45.0
 170 26.0 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





#48

Acenaphthylene

Concen: 2.545 ng

RT: 14.51 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Instrument :

BNA_G

ClientSampleId :

WH-TWS-09

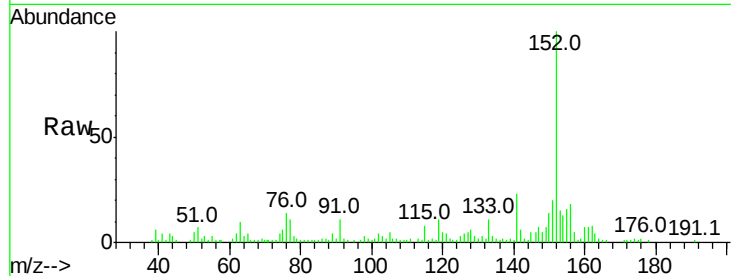
Tot Ion:152 Resp: 53881

Ion Ratio Lower Upper

152 100

151 20.0 17.2 25.8

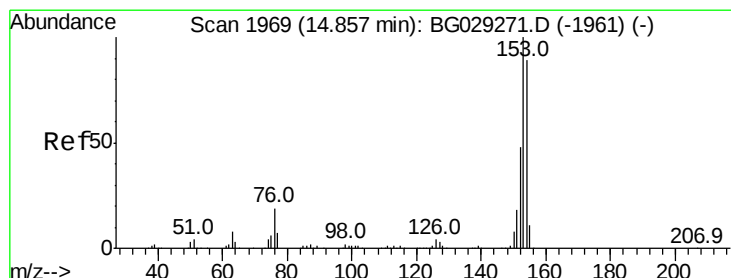
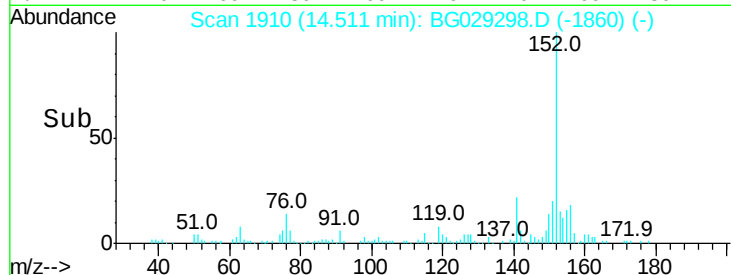
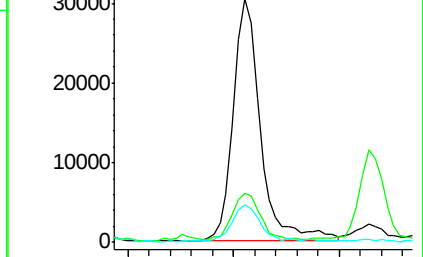
153 15.4 10.2 15.4#



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: 9.930 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

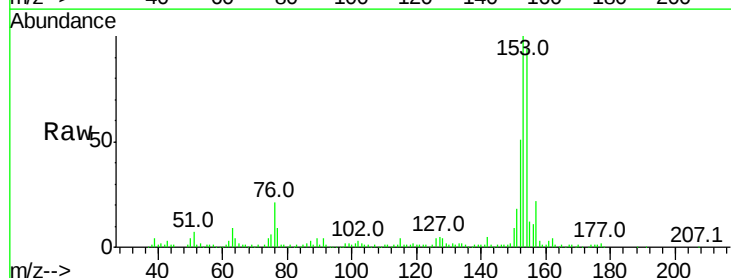
Tgt Ion:154 Resp: 136752

Ion Ratio Lower Upper

154 100

153 106.5 90.4 135.6

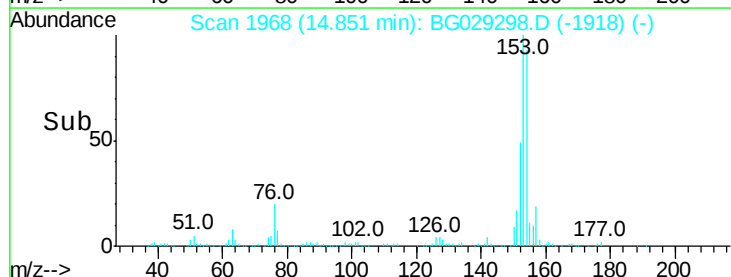
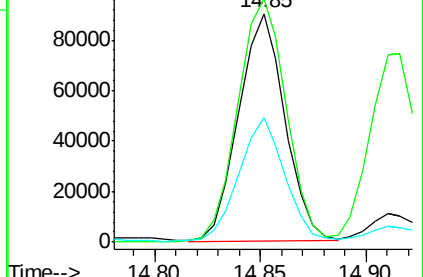
152 54.4 41.6 62.4

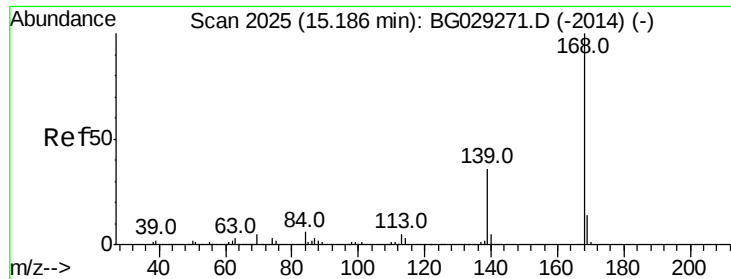


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 12.034 ng

RT: 15.19 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Instrument :

BNA_G

ClientSampleId :

WH-TWS-09

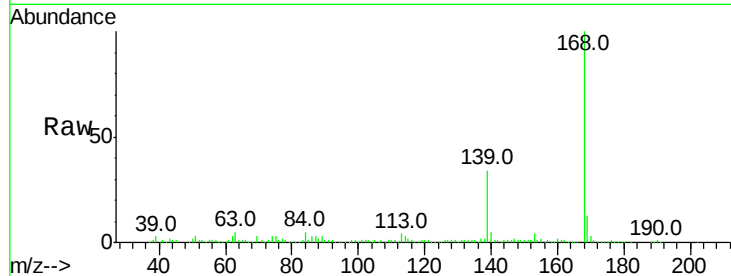
Tot Ion:168 Resp: 236592

Ion Ratio Lower Upper

168 100

139 34.1 28.6 43.0

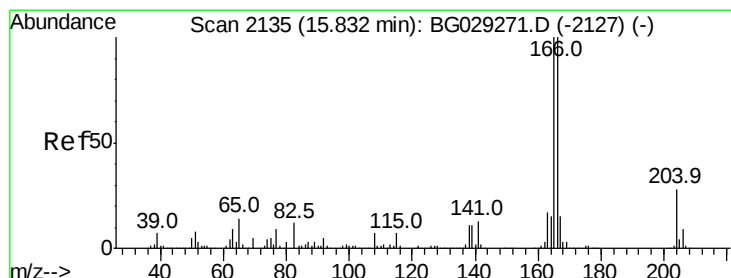
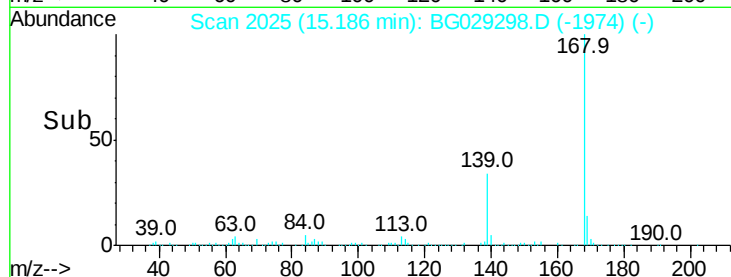
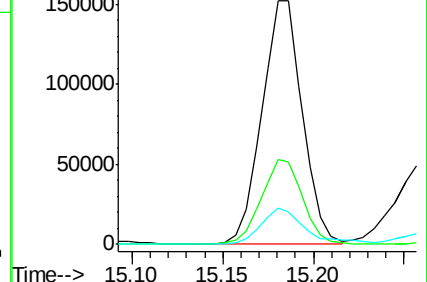
169 13.5 11.2 16.8



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: 7.114 ng

RT: 15.83 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

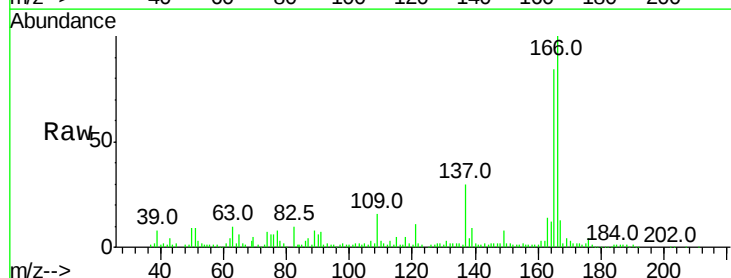
Tgt Ion:166 Resp: 115549

Ion Ratio Lower Upper

166 100

165 83.6 80.6 121.0

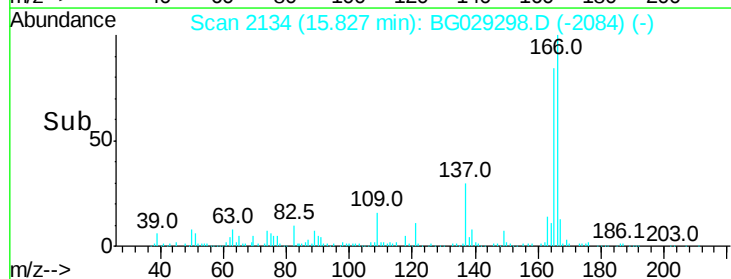
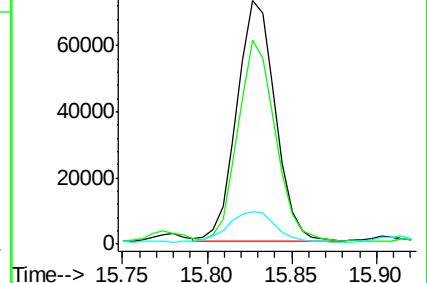
167 13.2 10.4 15.6

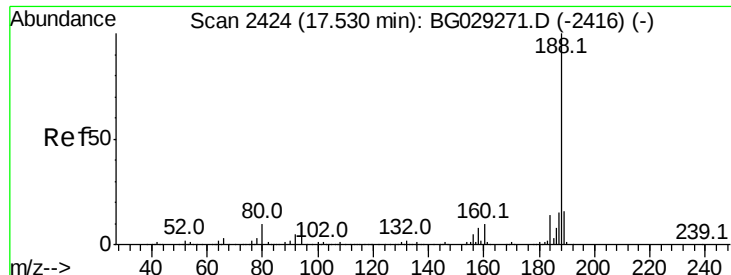


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

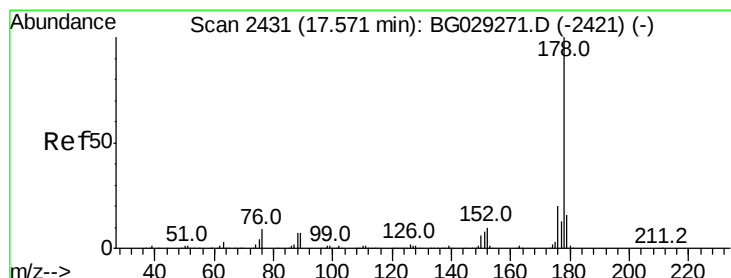
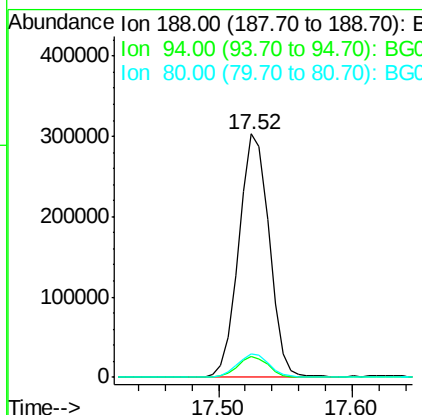
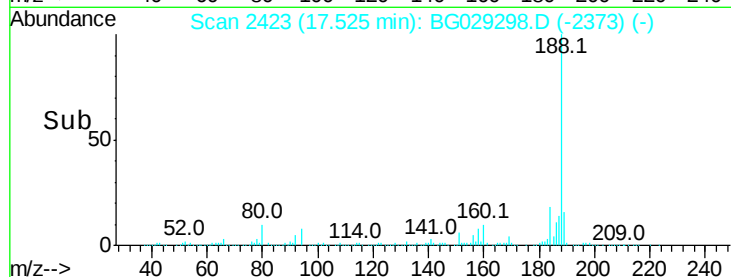
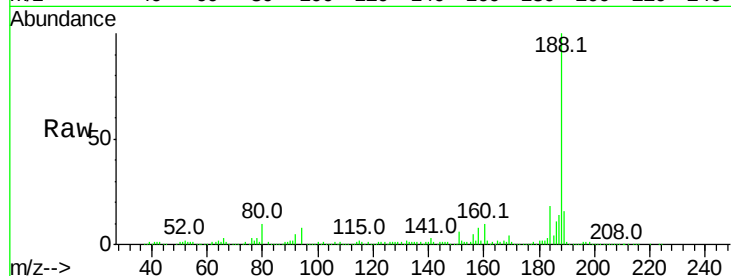




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

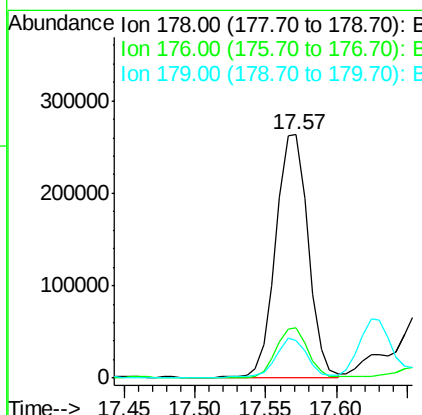
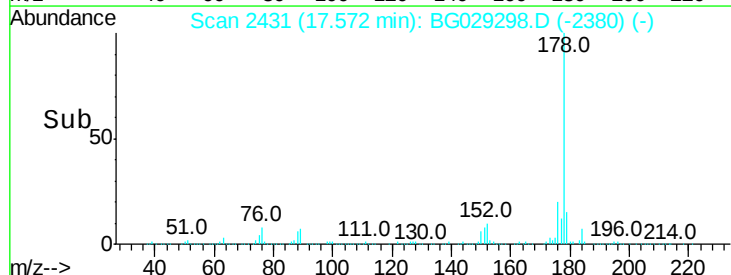
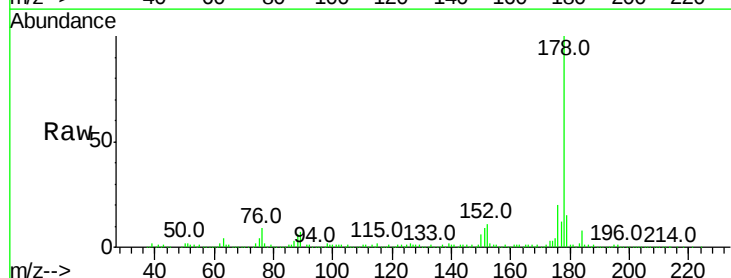
Instrument :
BNA_G
ClientSampleId :
WH-TWS-09

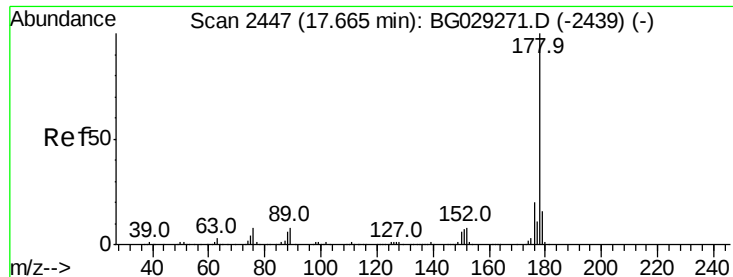
Tot Ion:188 Resp: 475352
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 9.6 7.7 11.5



#70
Phenanthrene
Concen: 17.098 ng
RT: 17.57 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Tgt Ion:178 Resp: 419862
Ion Ratio Lower Upper
178 100
176 20.4 15.7 23.5
179 15.2 12.5 18.7





#71

Anthracene

Concen: 5.793 ng

RT: 17.66 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Instrument :

BNA_G

ClientSampleId :

WH-TWS-09

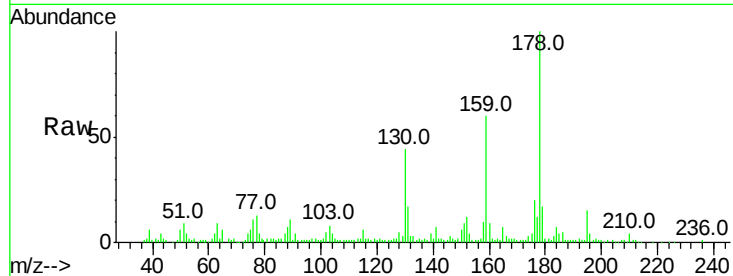
Tot Ion:178 Resp: 142843

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

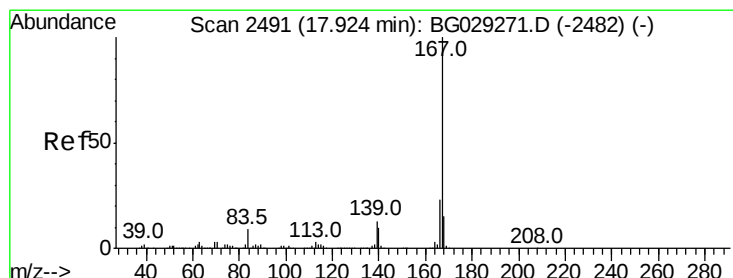
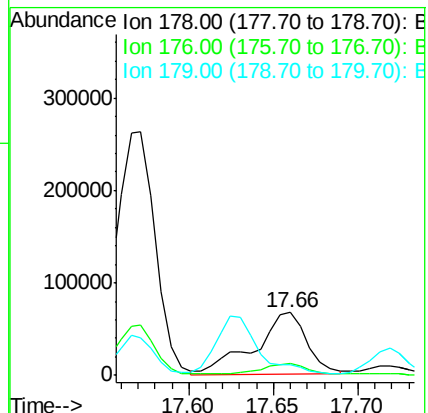
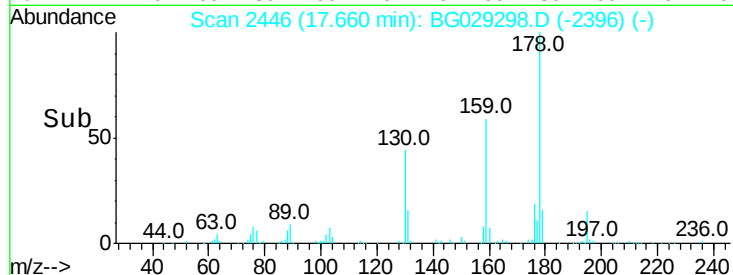
179 17.3 12.5 18.7



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: 16.447 ng

RT: 17.92 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

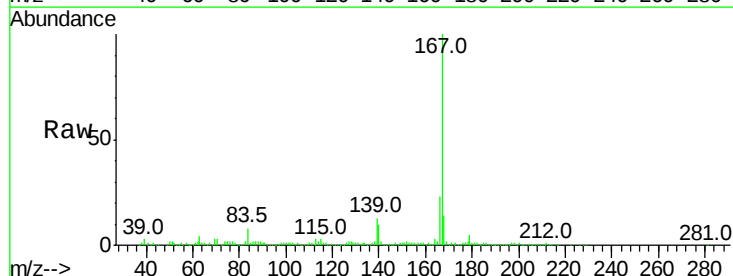
Tgt Ion:167 Resp: 389573

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.4

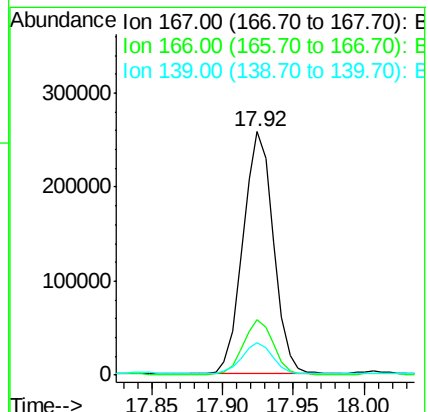
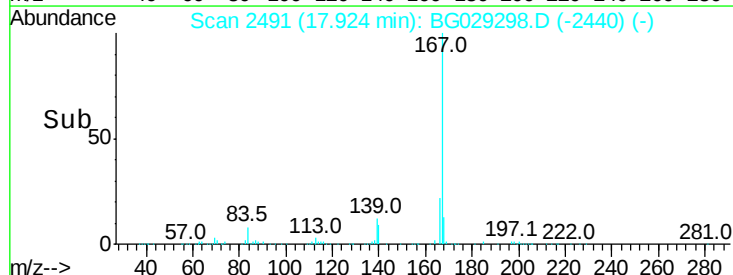
139 13.1 9.4 14.2

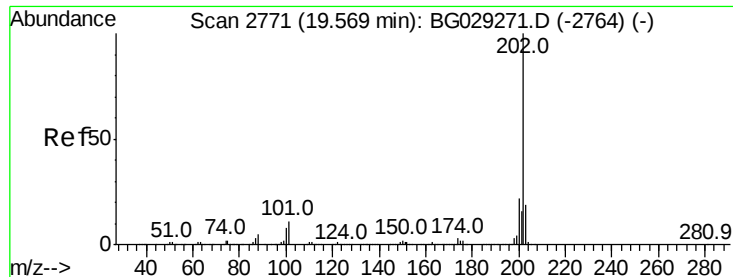


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 3.511 ng

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Instrument :

BNA_G

ClientSampleId :

WH-TWS-09

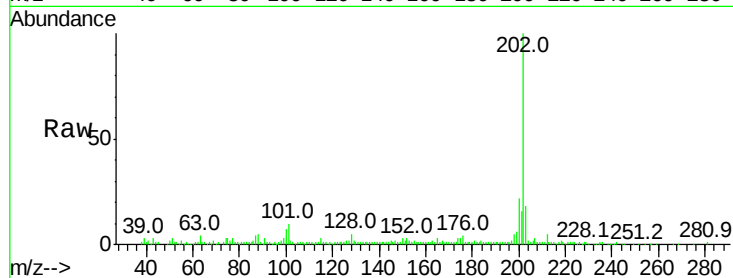
Tot Ion:202 Resp: 100849

Ion Ratio Lower Upper

202 100

101 10.4 0.0 28.9

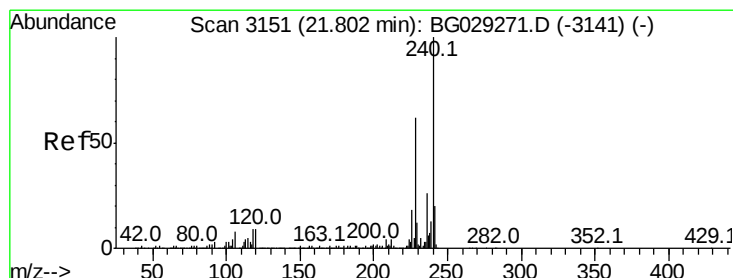
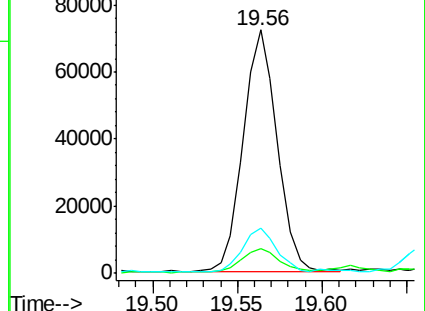
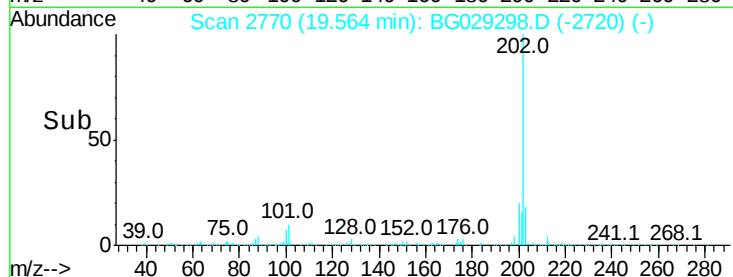
203 18.3 0.0 37.5



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: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

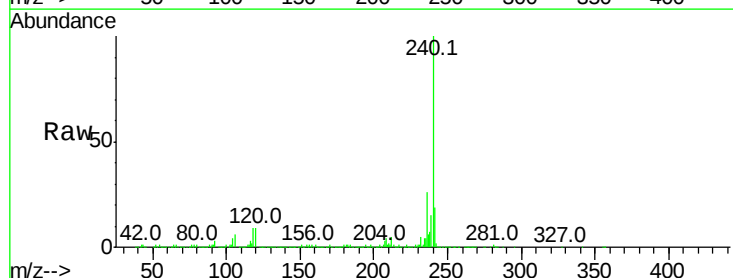
Tgt Ion:240 Resp: 515136

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

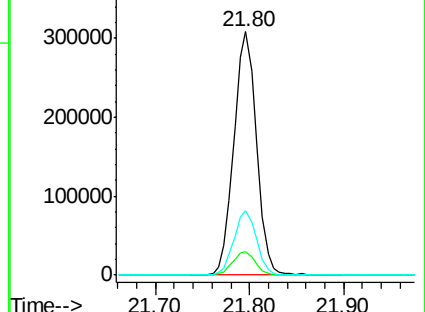
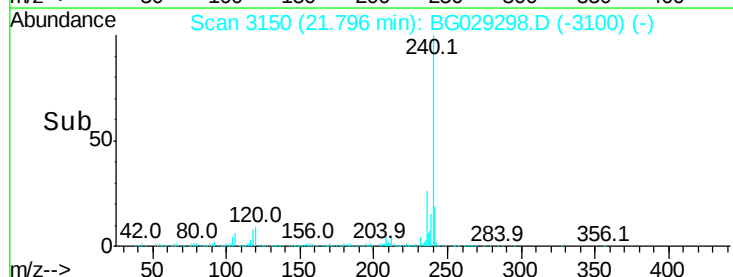
236 26.3 20.9 31.3

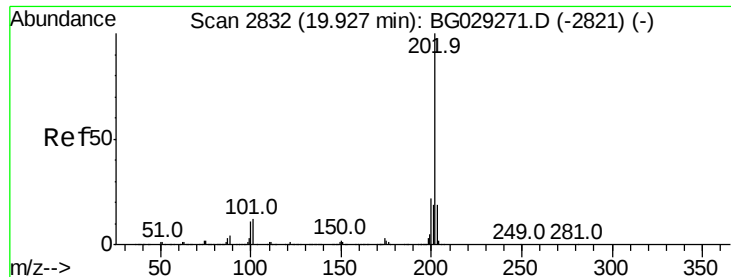


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.053 ng

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

Instrument :

BNA_G

ClientSampleId :

WH-TWS-09

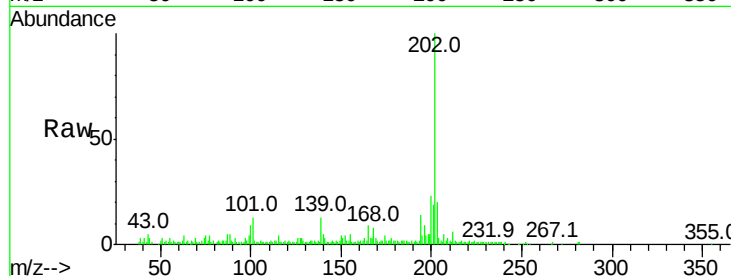
Tot Ion:202 Resp: 64168

Ion Ratio Lower Upper

202 100

200 22.7 16.9 25.3

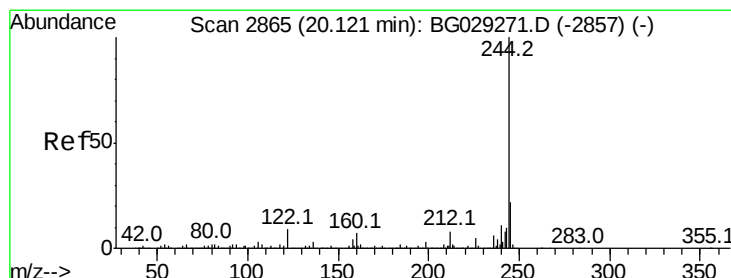
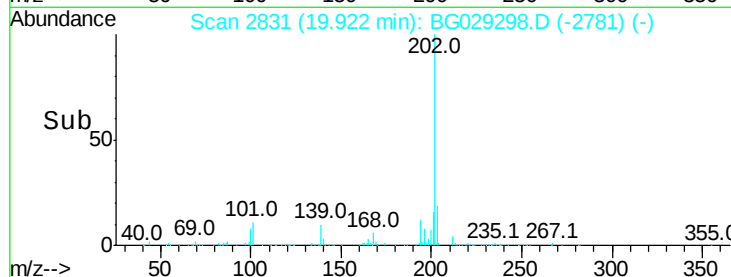
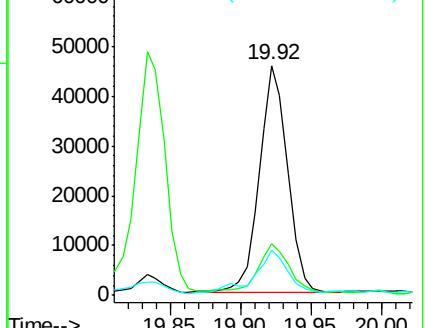
203 19.9 13.9 20.9



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: 78.621 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029298.D

Acq: 17 Oct 2017 8:39

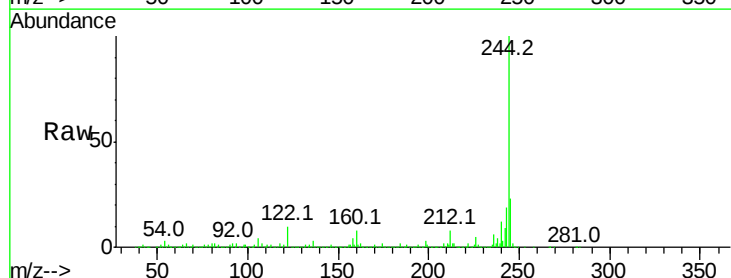
Tgt Ion:244 Resp: 1780304

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

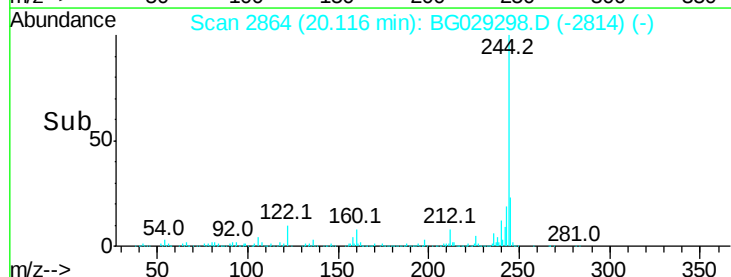
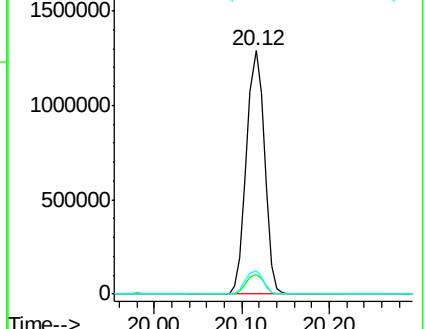
122 9.6 7.0 10.4

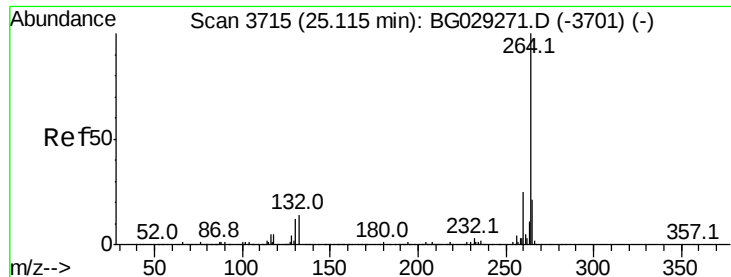


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

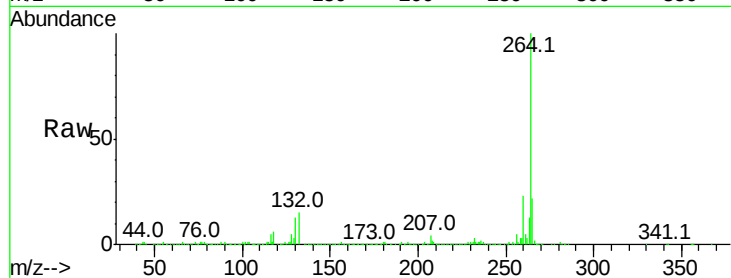




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG029298.D
Acq: 17 Oct 2017 8:39

Instrument :
BNA_G
ClientSampleId :
WH-TWS-09

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.0	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

