

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\
 Data File : BG029335.D
 Acq On : 18 Oct 2017 15:47
 Operator : SJ/JU
 Sample : I5906-16DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-06DL

Quant Time: Oct 18 16:54:43 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

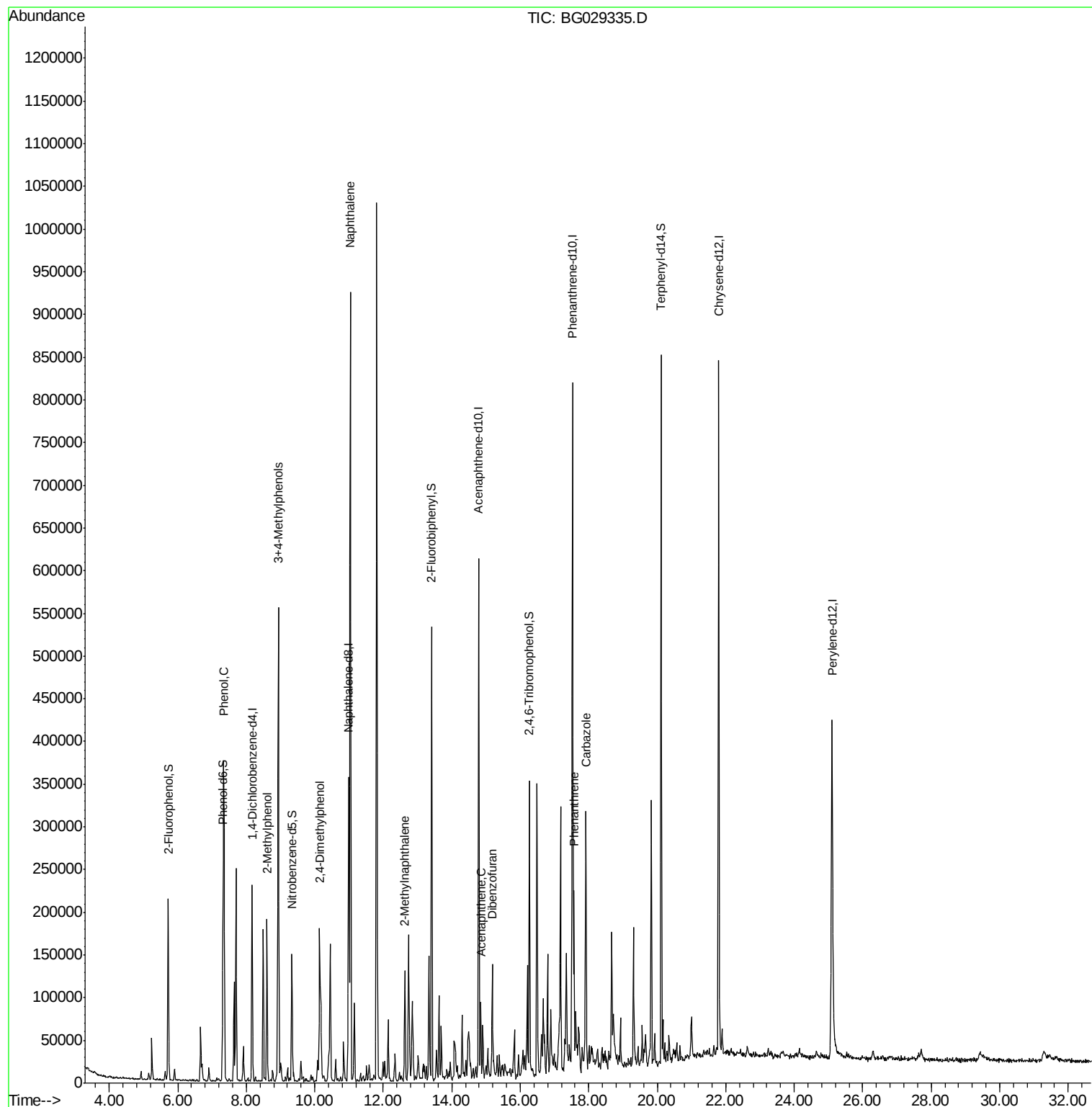
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	65802	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	323033	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	211100	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	467778	20.00	ng	0.00
75) Chrysene-d12	21.79	240	504146	20.00	ng	0.00
86) Perylene-d12	25.10	264	505984	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	102615	26.05	ng	0.00
7) Phenol-d6	7.32	99	136413	24.67	ng	0.00
23) Nitrobenzene-d5	9.33	82	90675	17.84	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	66919	24.55	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	262348	18.23	ng	0.00
78) Terphenyl-d14	20.11	244	388101	17.51	ng	-0.01
Target Compounds						
10) Phenol	7.35	94	217520	36.492	ng	90
17) 2-Methylphenol	8.60	107	61113	15.434	ng	98
20) 3+4-Methylphenols	8.93	107	247771	44.409	ng	92
27) 2,4-Dimethylphenol	10.14	122	87810	17.767	ng	98
31) Naphthalene	11.04	128	793474	49.286	ng	98
37) 2-Methylnaphthalene	12.63	142	62691	5.343	ng	94
51) Acenaphthene	14.85	154	31111	2.308	ng	97
54) Dibenzofuran	15.18	168	65273	3.393	ng	97
70) Phenanthrene	17.56	178	114188	4.725	ng	99
72) Carbazole	17.92	167	182363	7.823	ng	99

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

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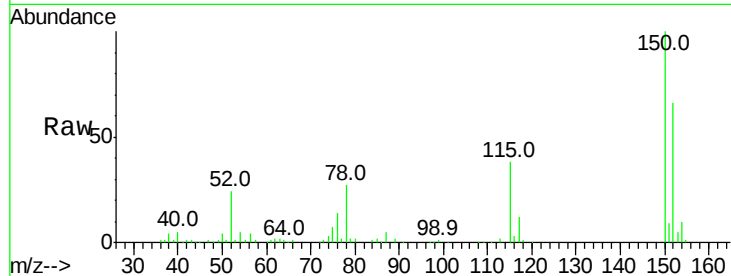


#1

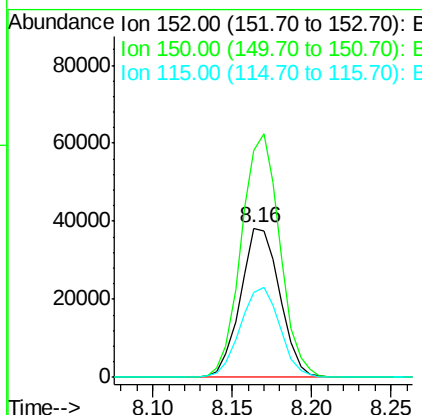
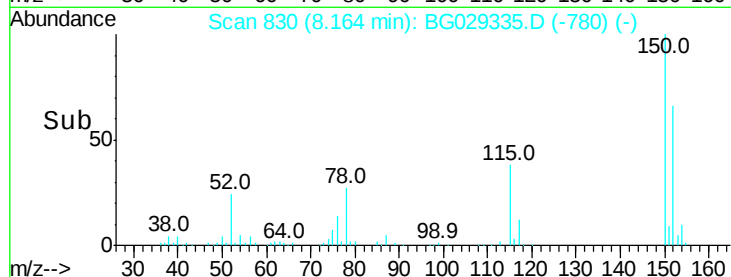
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 830
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

Tot Ion:152 Resp: 65802
Ion Ratio Lower Upper
152 100
150 152.0 126.6 189.8
115 57.3 53.0 79.4



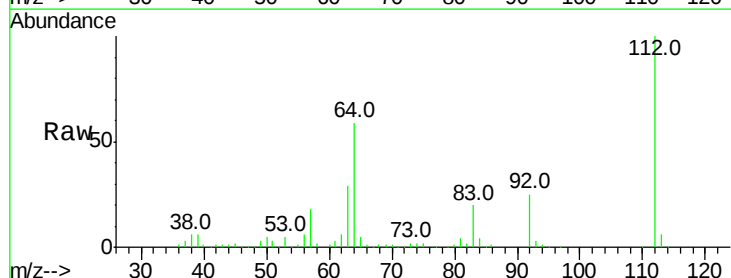
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



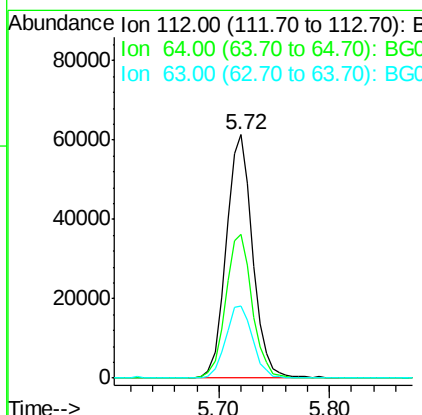
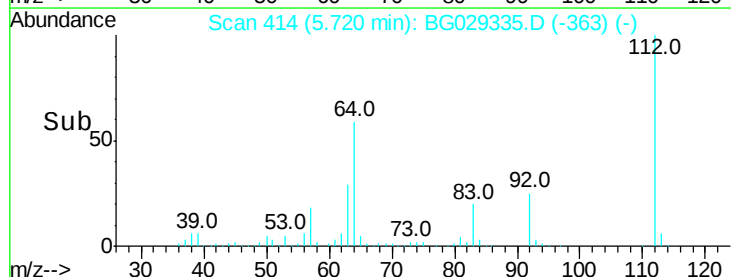
#5

2-Fluorophenol
Concen: 26.051 ng
RT: 5.72 min Scan# 414
Delta R.T. -0.00 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Tgt Ion:112 Resp: 102615
Ion Ratio Lower Upper
112 100
64 59.0 56.3 84.5
63 29.4 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: 24.673 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

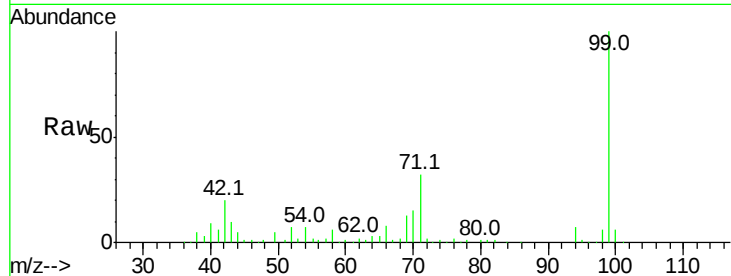
Tot Ion: 99 Resp: 136413

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

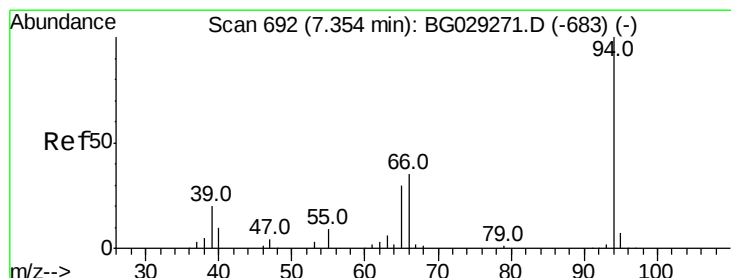
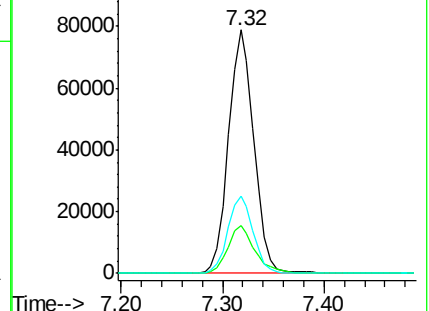
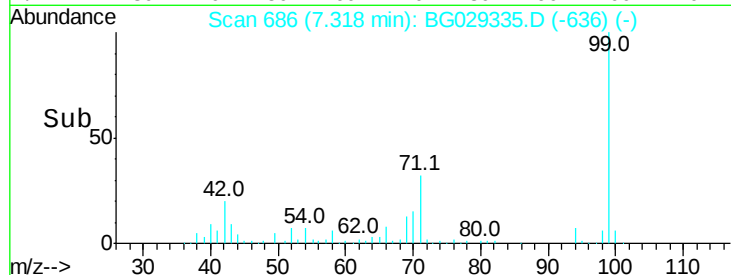
71 31.8 26.1 39.1



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: 36.492 ng

RT: 7.35 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

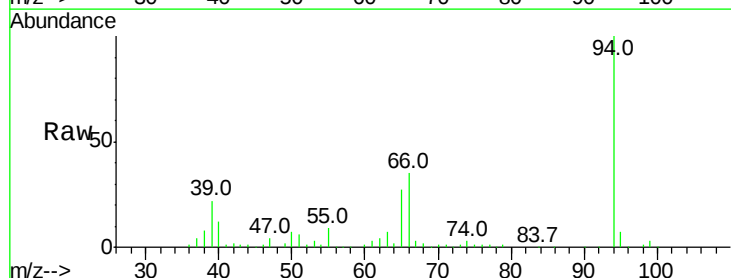
Tgt Ion: 94 Resp: 217520

Ion Ratio Lower Upper

94 100

65 27.4 11.9 51.9

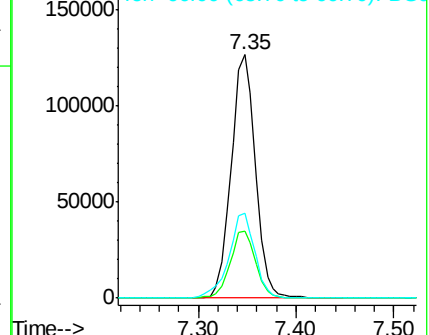
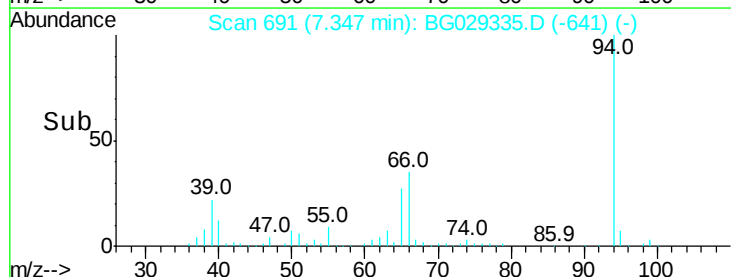
66 34.7 22.2 62.2

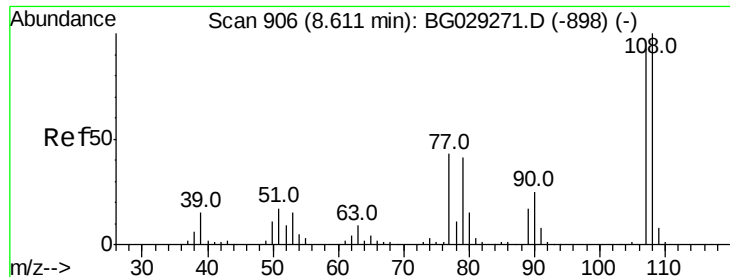


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#17

2-Methylphenol

Concen: 15.434 ng

RT: 8.60 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

Tot Ion:107 Resp: 61113

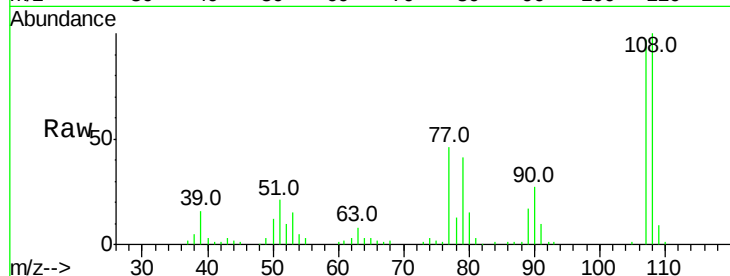
Ion Ratio Lower Upper

107 100

108 103.4 83.9 125.9

77 47.1 37.2 55.8

79 42.9 36.2 54.2

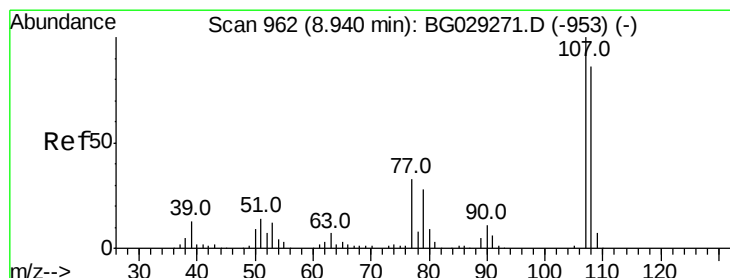
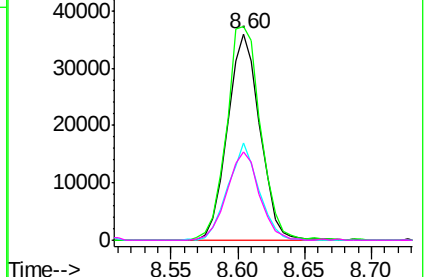
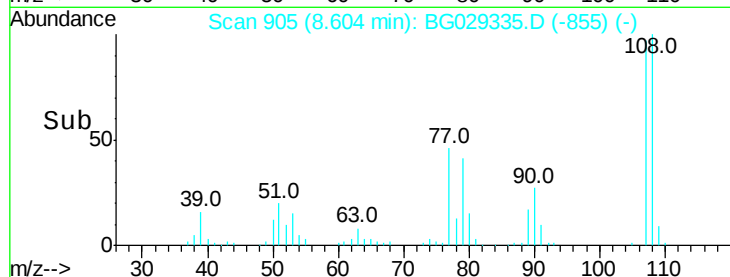


Abundance Ion 107.00 (106.70 to 107.70): E

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: 44.409 ng

RT: 8.93 min Scan# 961

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Tgt Ion:107 Resp: 247771

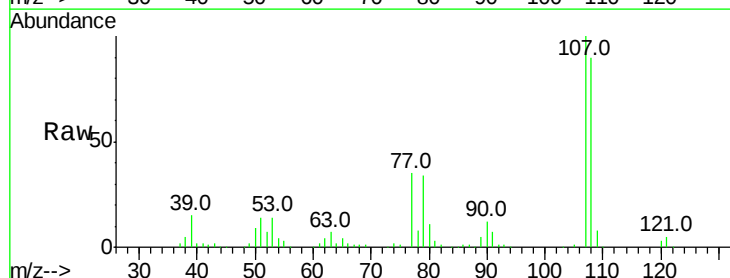
Ion Ratio Lower Upper

107 100

108 90.5 61.6 101.6

77 35.2 13.9 53.9

79 33.6 8.8 48.8

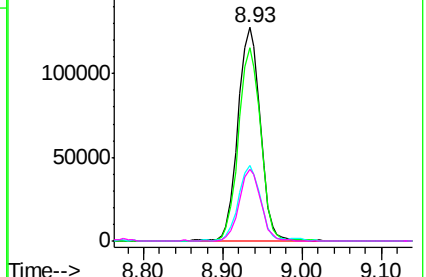
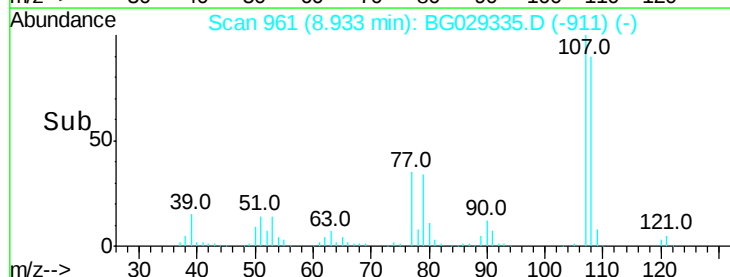


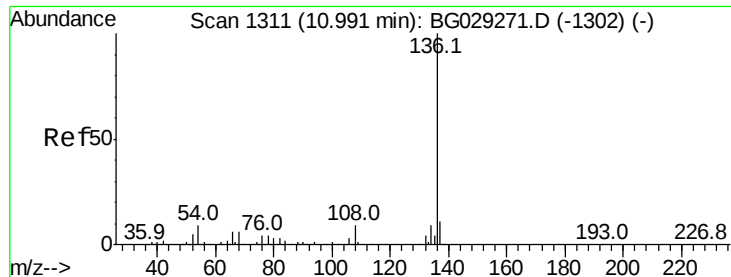
Abundance Ion 107.00 (106.70 to 107.70): E

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

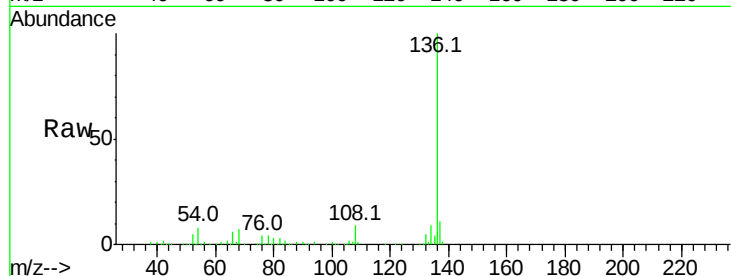




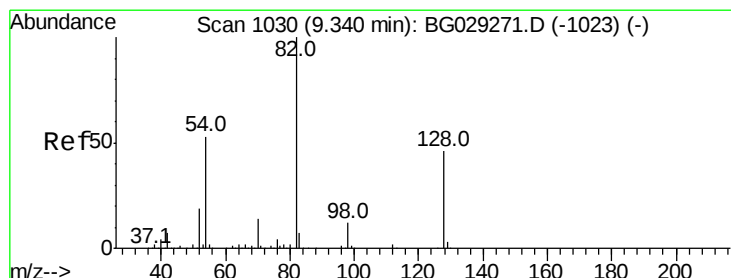
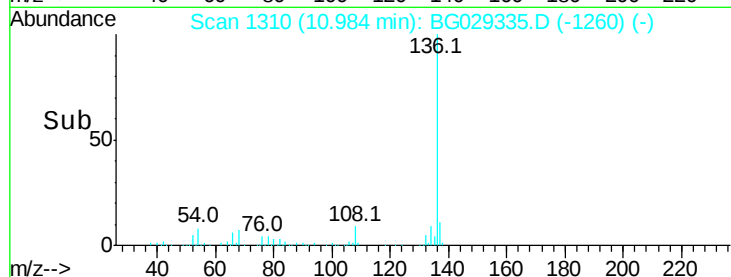
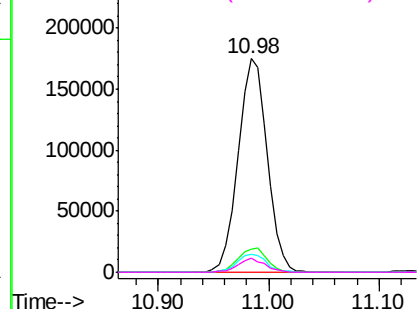
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

Tot Ion:136	Resp:	323033
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.2 13.8
54	8.5	10.3 15.5#
68	6.5	4.5 6.7

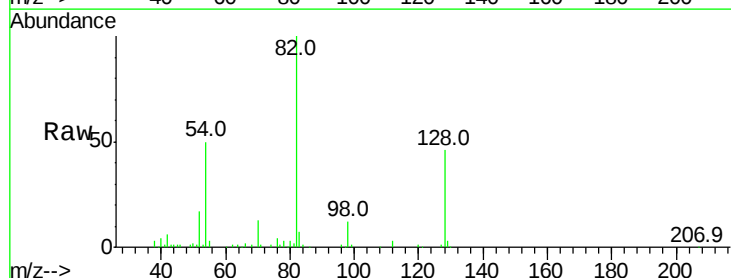


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

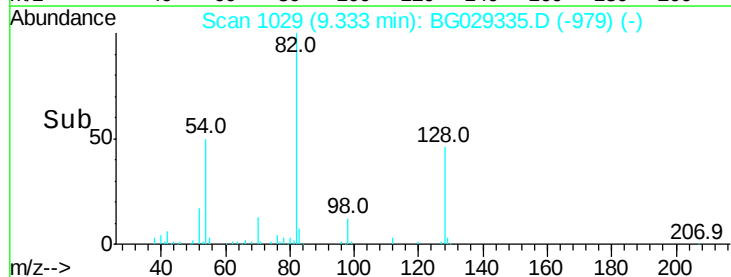
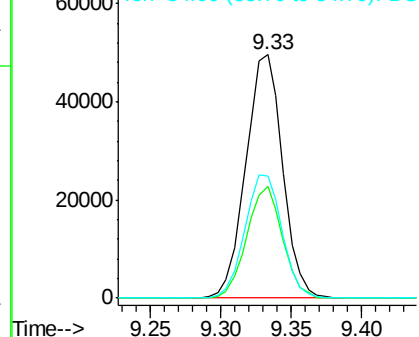


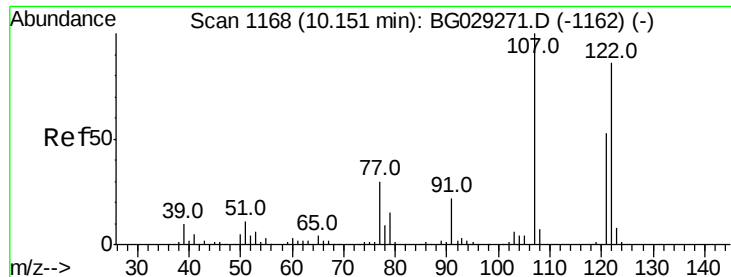
#23
Nitrobenzene-d5
Concen: 17.838 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Tgt Ion: 82	Resp:	90675
Ion Ratio	Lower	Upper
82	100	
128	45.8	29.7 44.5#
54	50.3	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

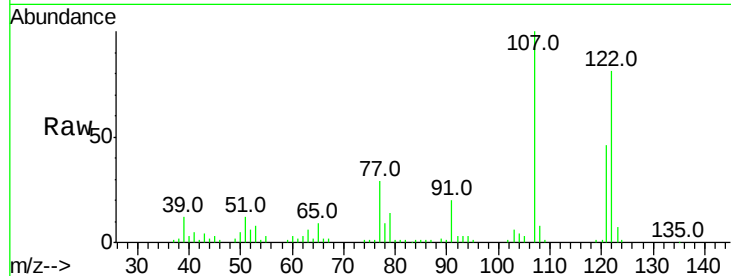




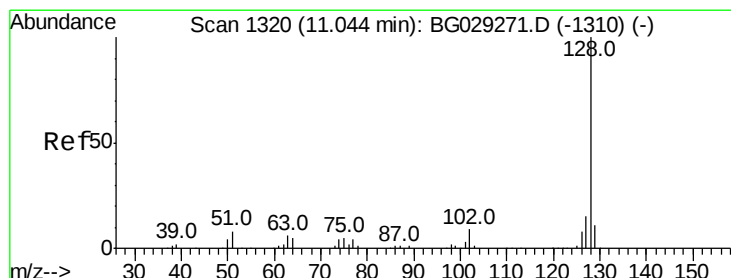
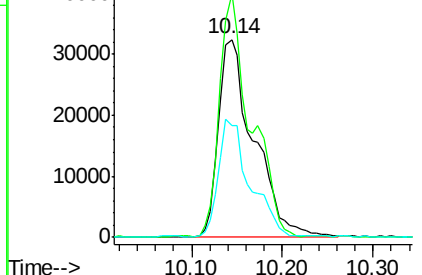
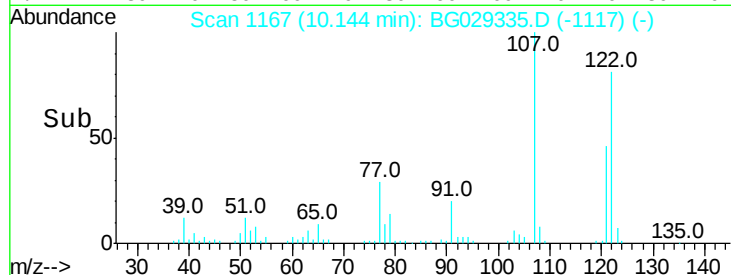
#27
2,4-Dimethylphenol
Concen: 17.767 ng
RT: 10.14 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

Tot Ion:122 Resp: 87810
Ion Ratio Lower Upper
122 100
107 123.1 100.2 150.2
121 56.7 44.4 66.6

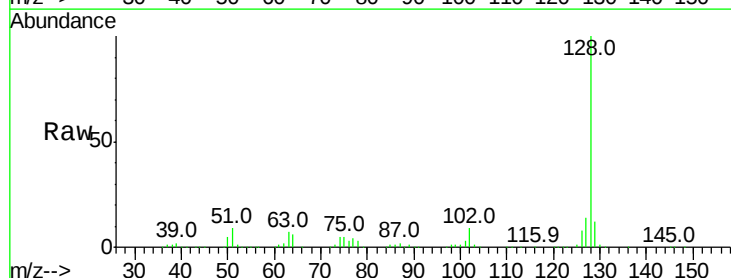


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

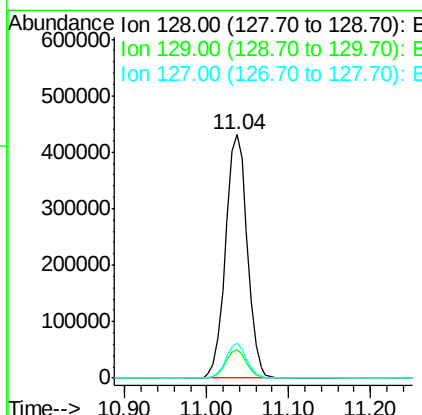
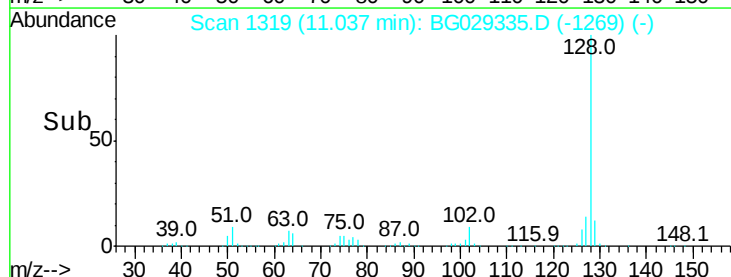


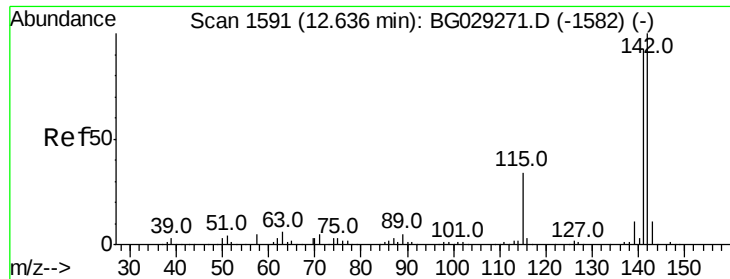
#31
Naphthalene
Concen: 49.286 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Tgt Ion:128 Resp: 793474
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 14.2 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

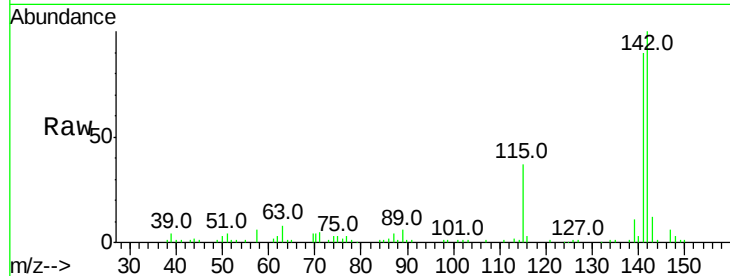




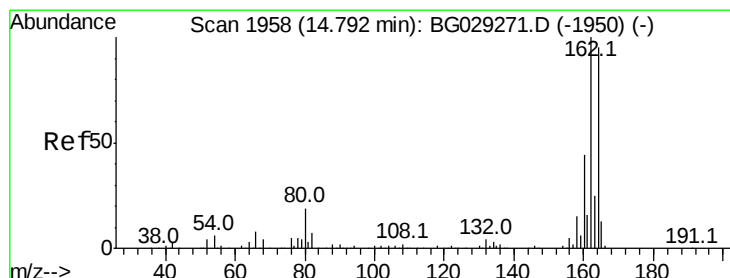
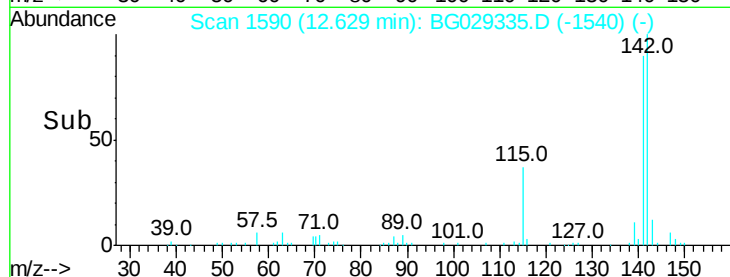
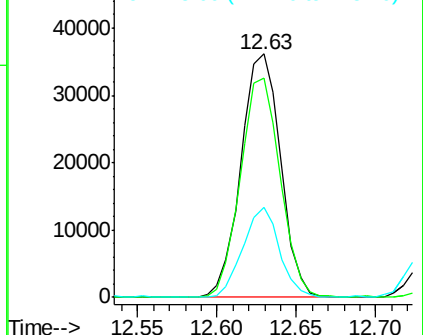
#37
2-Methylnaphthalene
Concen: 5.343 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	67.1	100.7
115	36.8	30.7	46.1

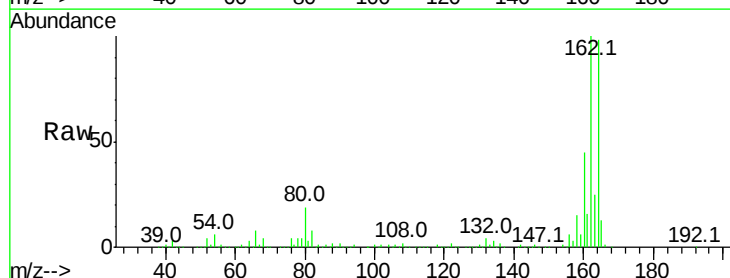


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

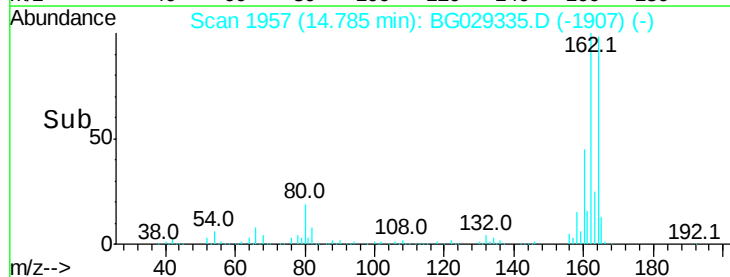
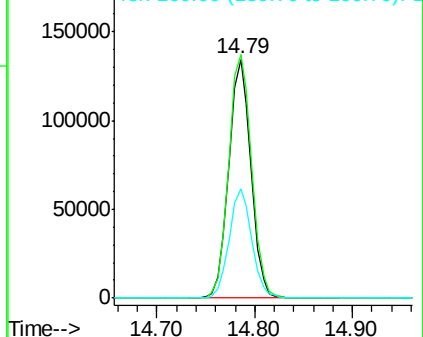


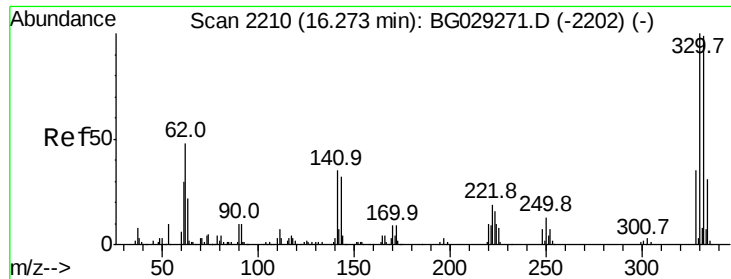
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.8	118.2
160	45.9	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

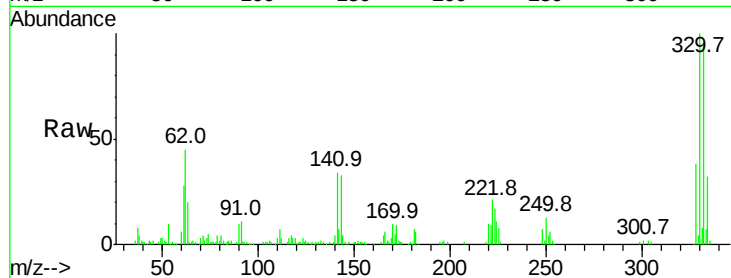




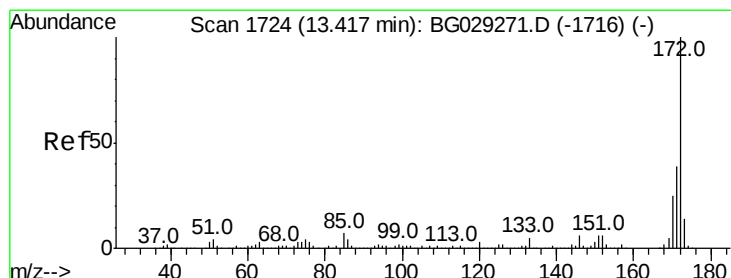
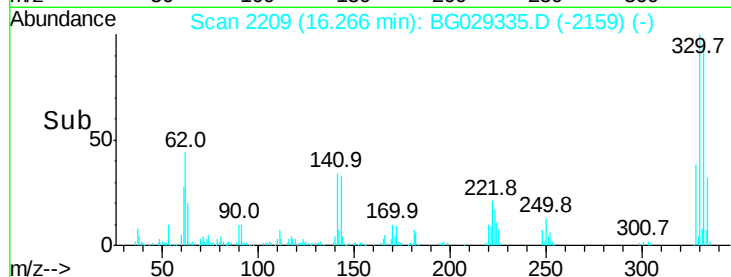
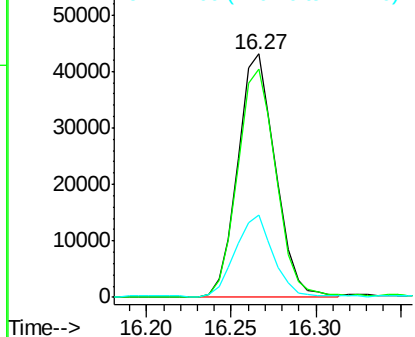
#41
 2,4,6-Tribromophenol
 Concen: 24.553 ng
 RT: 16.27 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BG029335.D
 Acq: 18 Oct 2017 15:47

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-06DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.3	25.2	37.8

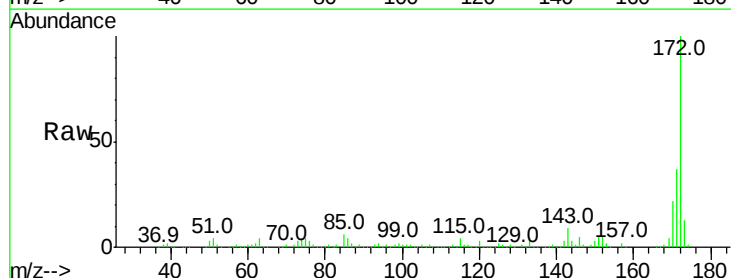


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

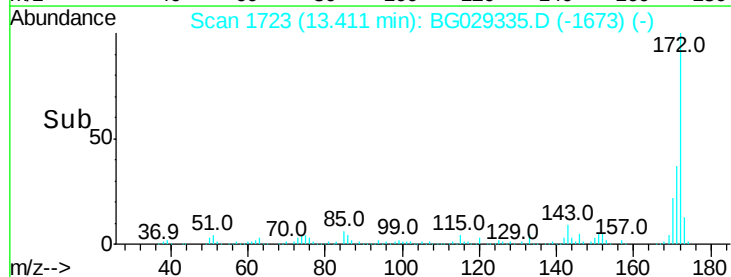
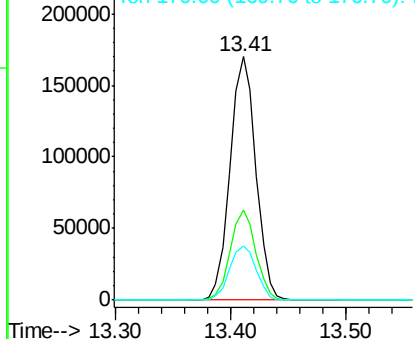


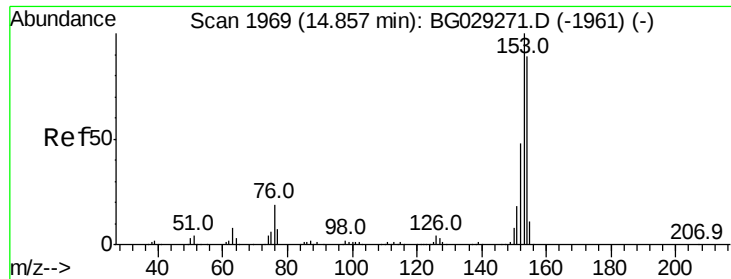
#44
 2-Fluorobiphenyl
 Concen: 18.227 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG029335.D
 Acq: 18 Oct 2017 15:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	22.5	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





#51

Acenaphthene

Concen: 2.308 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

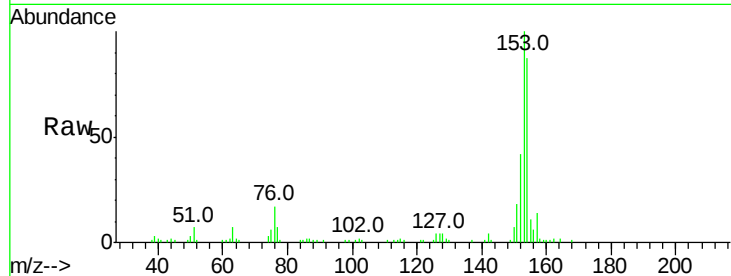
Tot Ion:154 Resp: 31111

Ion Ratio Lower Upper

154 100

153 114.7 90.4 135.6

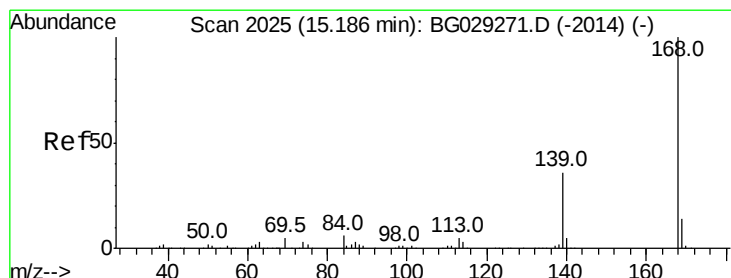
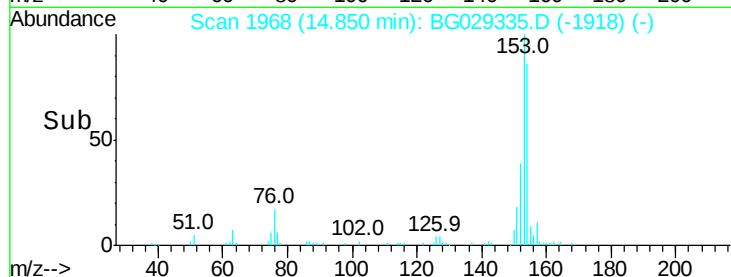
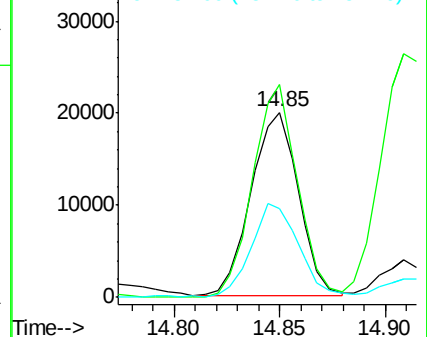
152 48.0 41.6 62.4



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

Dibenzofuran

Concen: 3.393 ng

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

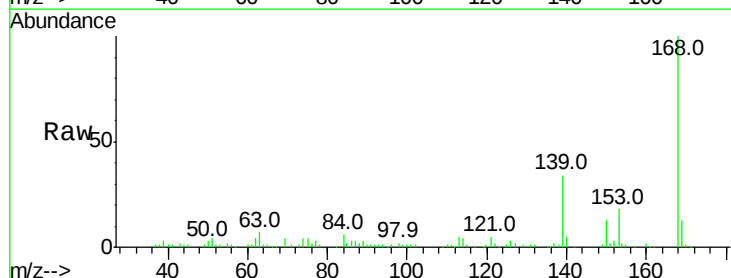
Tgt Ion:168 Resp: 65273

Ion Ratio Lower Upper

168 100

139 33.8 28.6 43.0

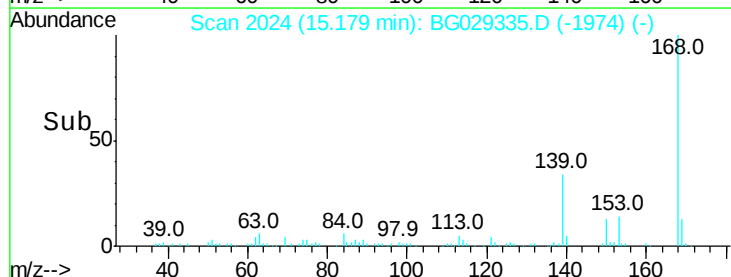
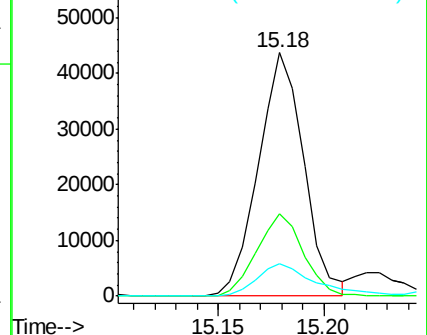
169 13.2 11.2 16.8

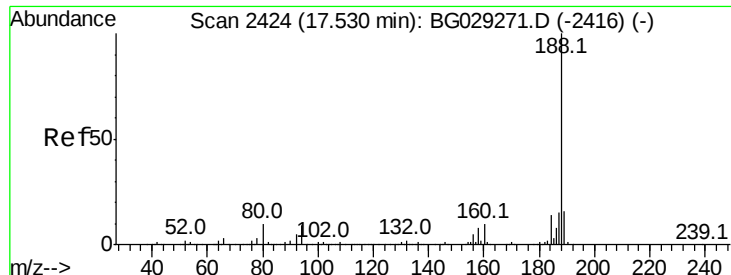


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

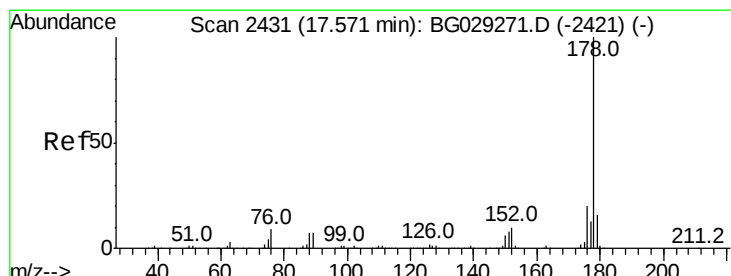
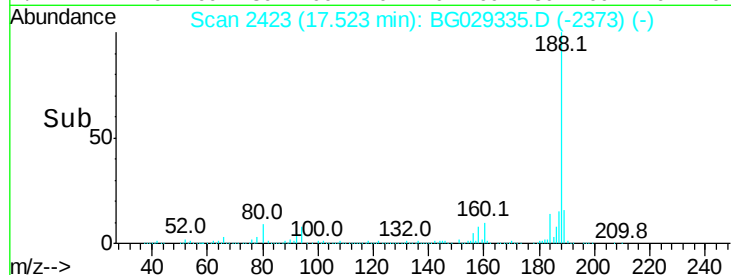
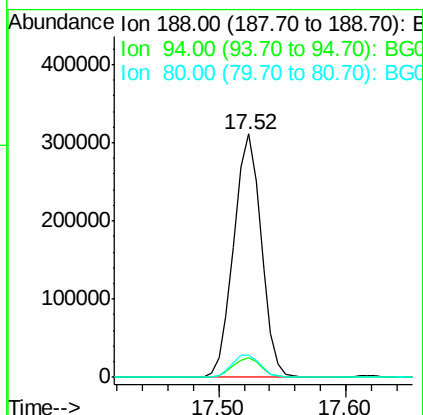
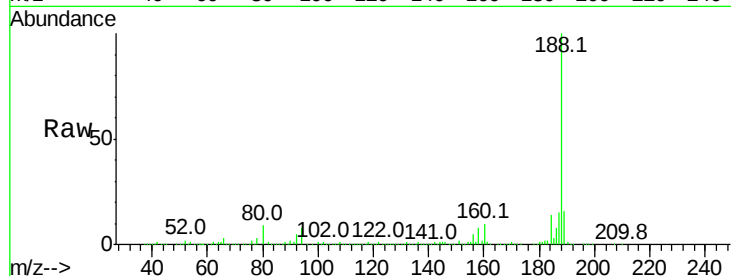




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG029335.D
 Acq: 18 Oct 2017 15:47

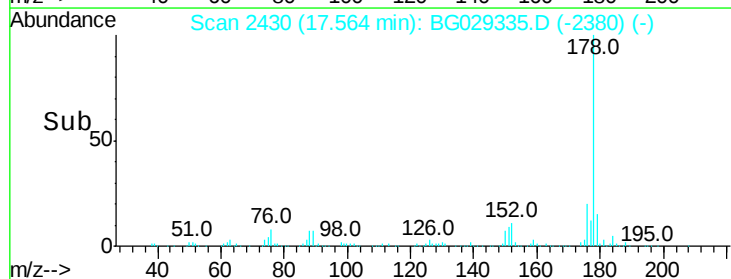
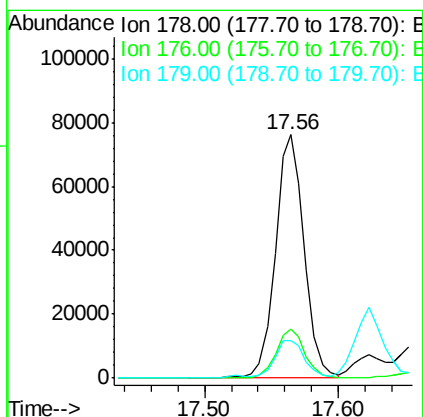
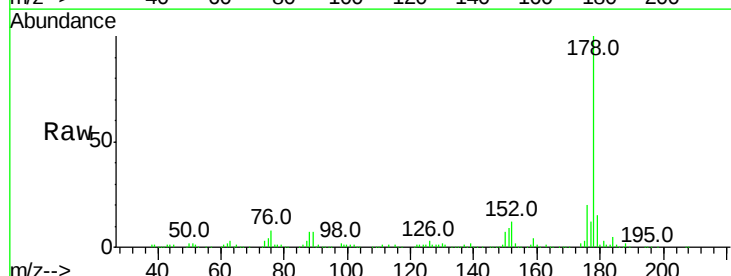
Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-06DL

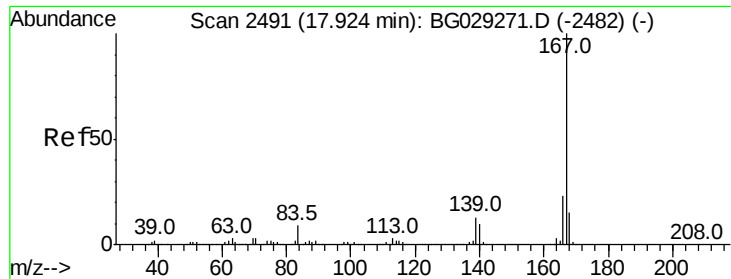
Tot Ion:188 Resp: 467778
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.9 10.3
 80 9.0 7.7 11.5



#70
 Phenanthrene
 Concen: 4.725 ng
 RT: 17.56 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG029335.D
 Acq: 18 Oct 2017 15:47

Tgt Ion:178 Resp: 114188
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.7 23.5
 179 15.4 12.5 18.7





#72

Carbazole

Concen: 7.823 ng

RT: 17.92 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

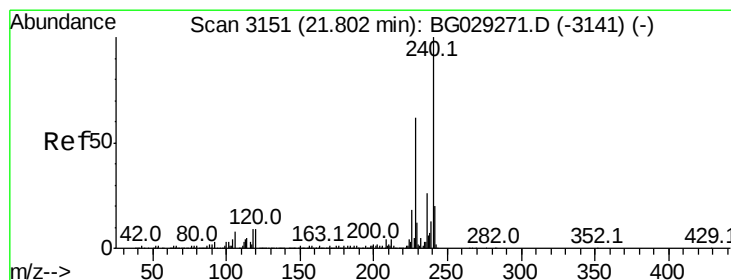
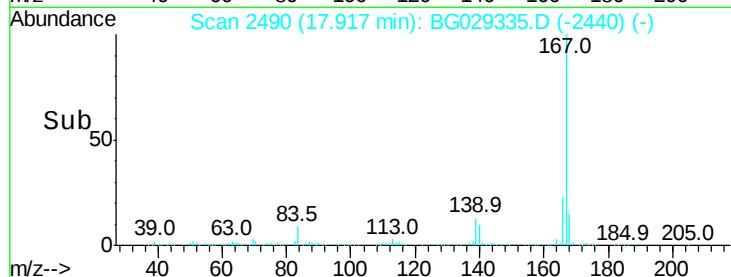
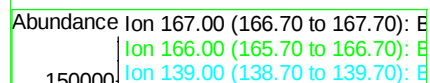
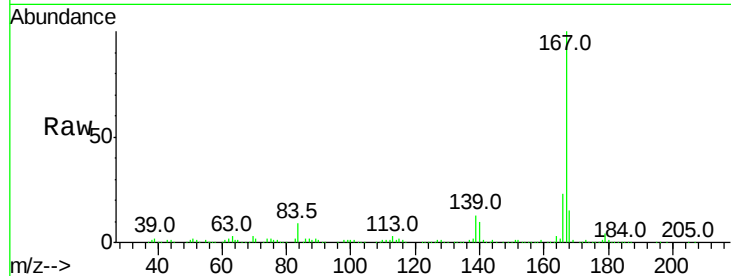
Tot Ion:167 Resp: 182363

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.4

139 13.1 9.4 14.2



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

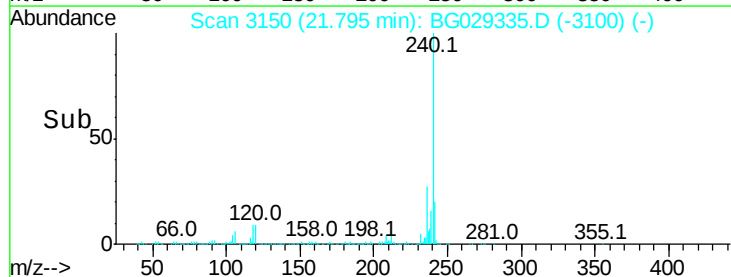
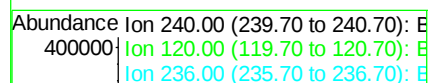
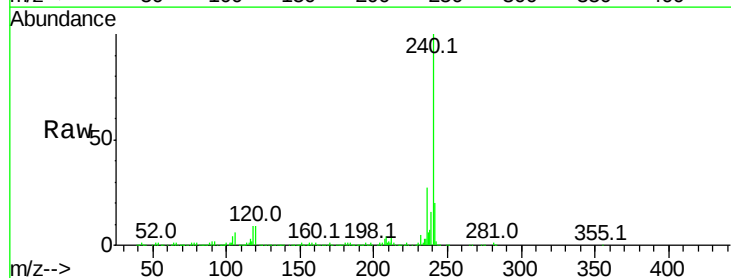
Tgt Ion:240 Resp: 504146

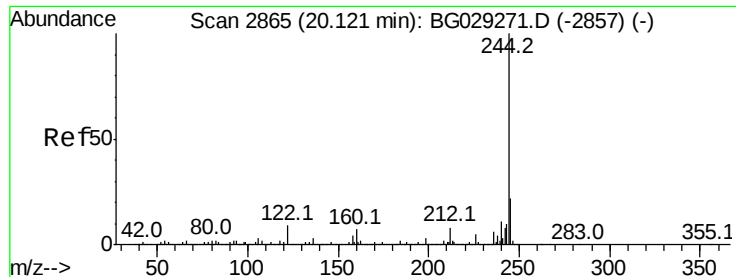
Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

236 26.9 20.9 31.3





#78

Terphenyl-d14

Concen: 17.513 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

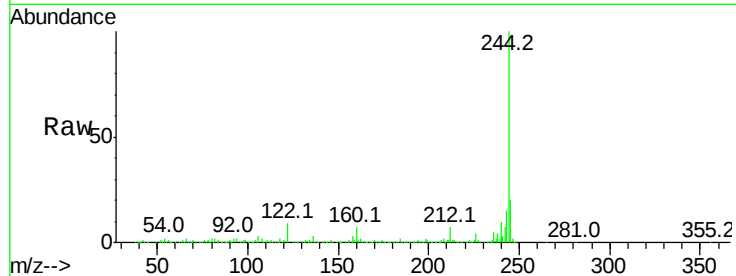
Tot Ion:244 Resp: 388101

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

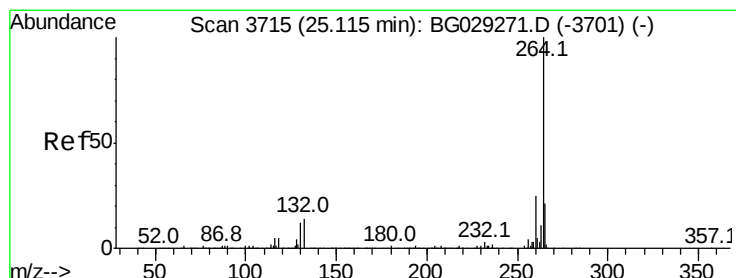
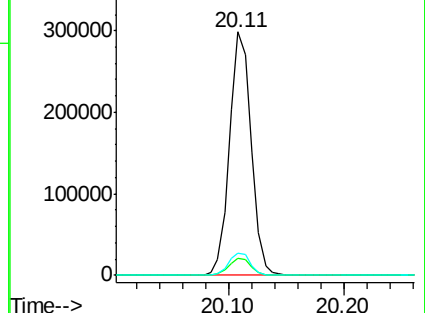
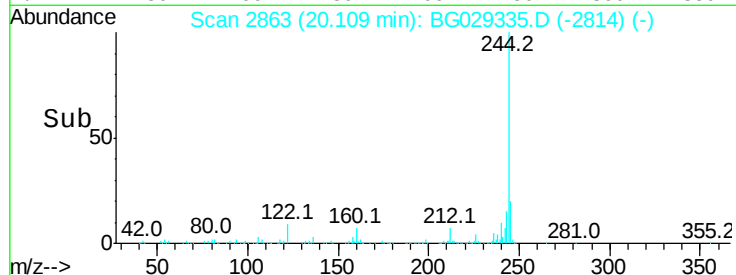
122 9.0 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

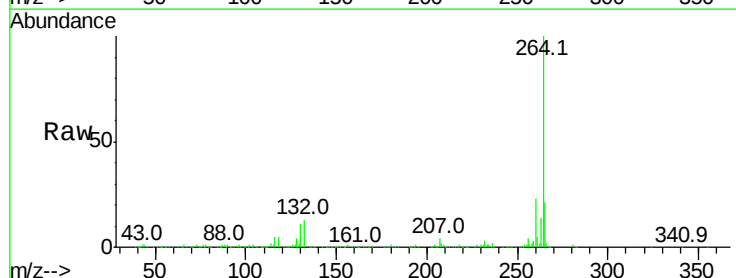
Tgt Ion:264 Resp: 505984

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 20.6 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

