

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\
 Data File : BG029333.D
 Acq On : 18 Oct 2017 14:29
 Operator : SJ/JU
 Sample : I5906-14DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-04DL

Quant Time: Oct 18 16:39:38 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	66926	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	327345	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	215021	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	468212	20.00	ng	-0.01
75) Chrysene-d12	21.79	240	506440	20.00	ng	-0.01
86) Perylene-d12	25.10	264	510168	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	113393	28.30	ng	0.00
7) Phenol-d6	7.32	99	147386	26.21	ng	0.00
23) Nitrobenzene-d5	9.33	82	103388	20.07	ng	-0.01
41) 2,4,6-Tribromophenol	16.26	330	74164	26.71	ng	-0.01
44) 2-Fluorobiphenyl	13.41	172	289340	19.74	ng	0.00
78) Terphenyl-d14	20.11	244	450741	20.25	ng	-0.01

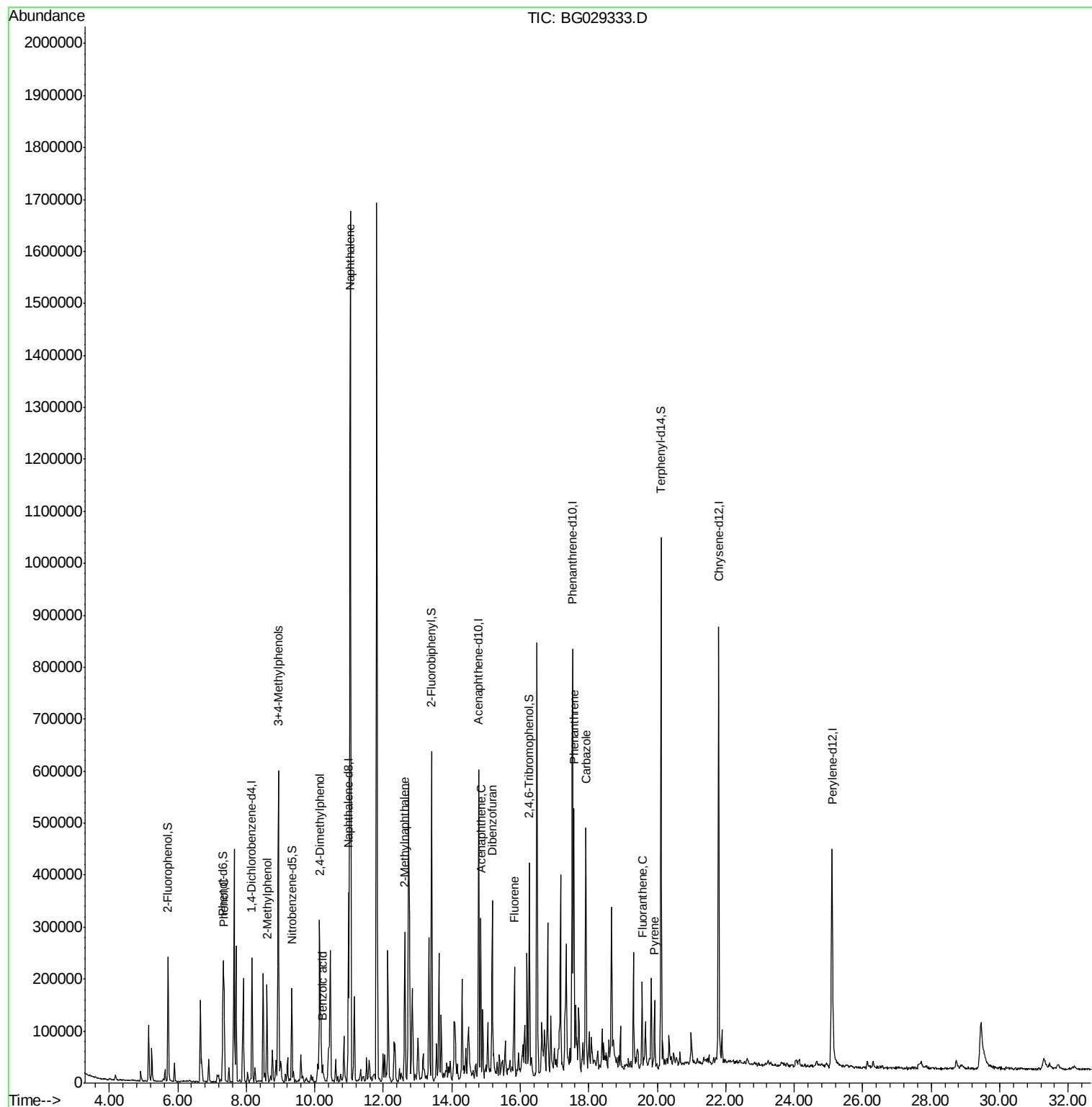
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.35	94	120962	19.952	ng	93
17) 2-Methylphenol	8.61	107	61385	15.242	ng	93
20) 3+4-Methylphenols	8.94	107	231568	40.808	ng	87
27) 2,4-Dimethylphenol	10.15	122	139025	27.759	ng	89
31) Naphthalene	11.04	128	1448062	88.761	ng	98
32) Benzoic acid	10.22	122	12027	2.868	ng	# 77
37) 2-Methylnaphthalene	12.63	142	139872	11.764	ng	92
51) Acenaphthene	14.85	154	103195	7.518	ng	97
54) Dibenzofuran	15.18	168	162496	8.292	ng	99
57) Fluorene	15.83	166	89005	5.498	ng	98
70) Phenanthrene	17.57	178	288628	11.933	ng	100
72) Carbazole	17.92	167	292566	12.540	ng	97
74) Fluoranthene	19.56	202	107585	3.803	ng	99
77) Pyrene	19.92	202	76524	2.491	ng	99

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

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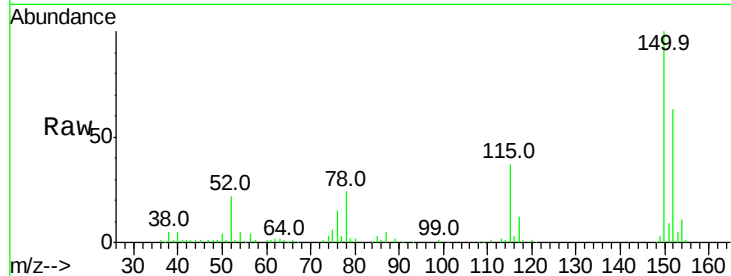


#1

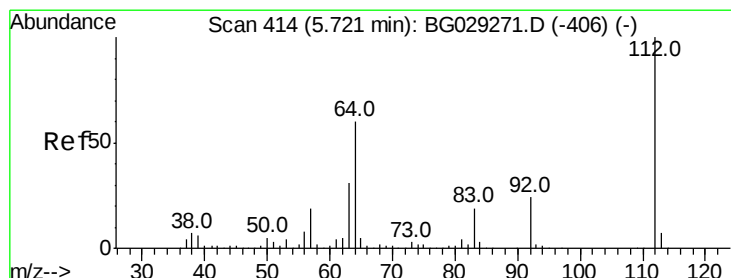
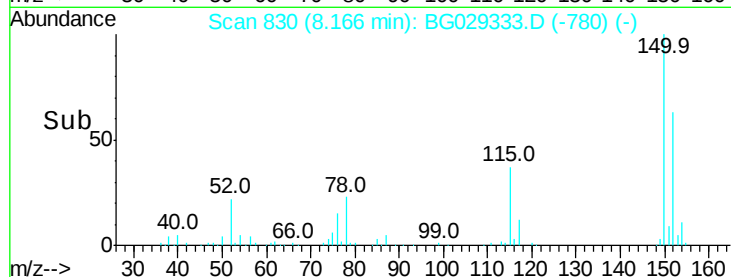
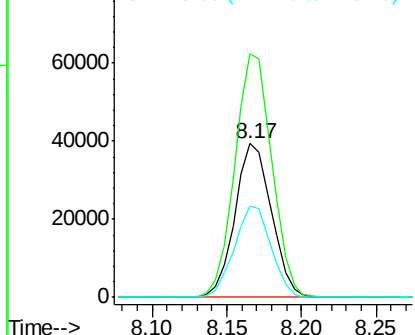
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Instrument :
BNA_G
ClientSampleId :
WH-TWS-04DL

Tot Ion:152 Resp: 66926
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 59.4 53.0 79.4



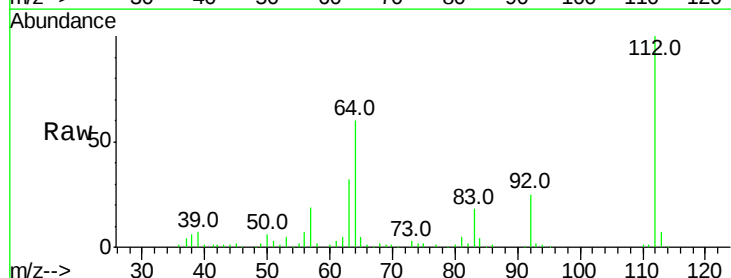
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



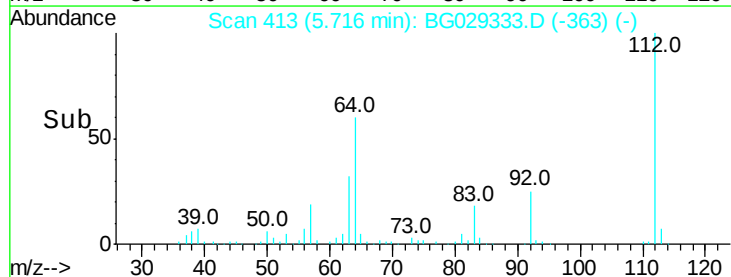
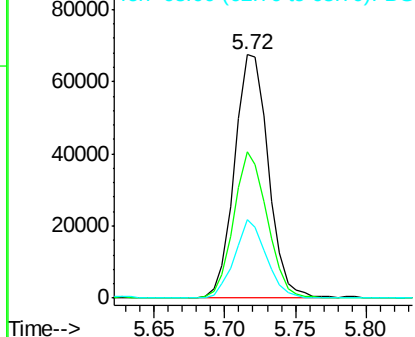
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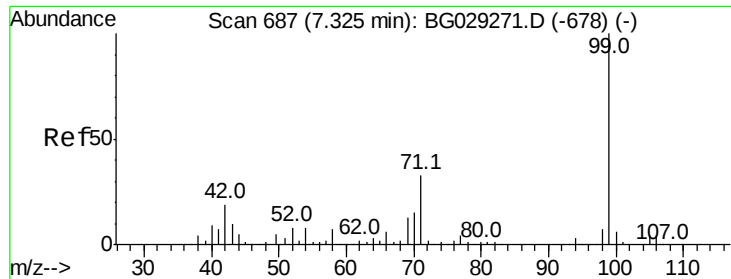
2-Fluorophenol
Concen: 28.304 ng
RT: 5.72 min Scan# 413
Delta R.T. -0.00 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Tgt Ion:112 Resp: 113393
Ion Ratio Lower Upper
112 100
64 60.2 56.3 84.5
63 32.0 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: 26.210 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

Instrument :

BNA_G

ClientSampleId :

WH-TWS-04DL

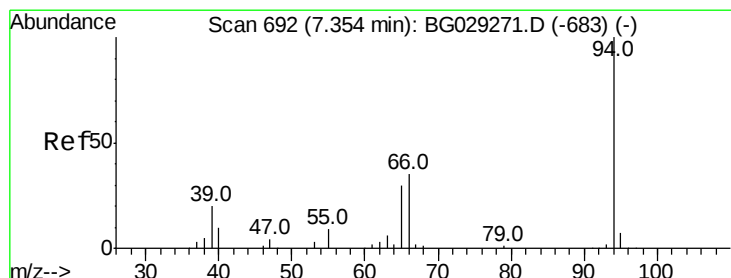
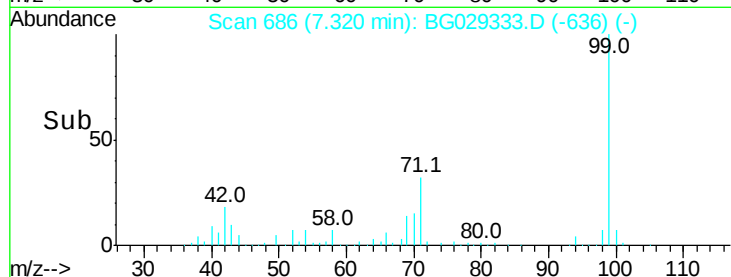
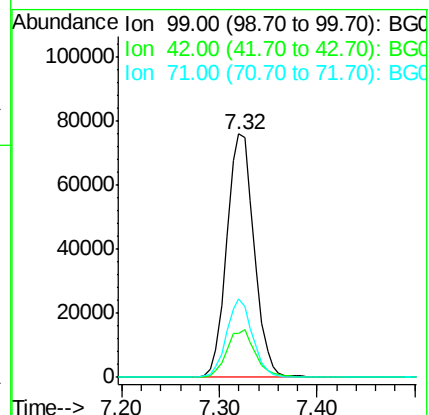
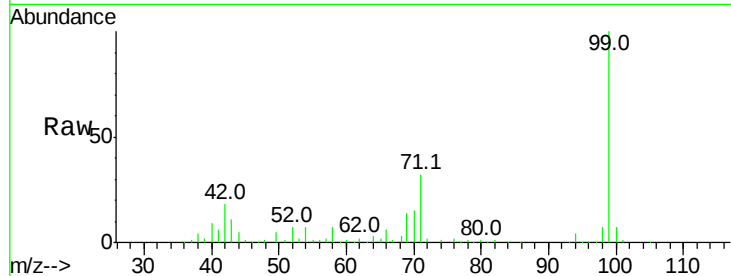
Tot Ion: 99 Resp: 147386

Ion Ratio Lower Upper

99 100

42 18.3 14.1 21.1

71 32.2 26.1 39.1



#10

Phenol

Concen: 19.952 ng

RT: 7.35 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

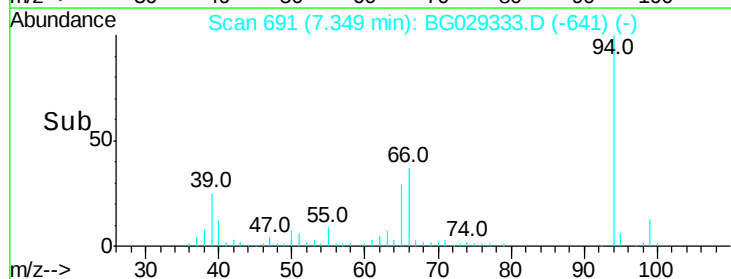
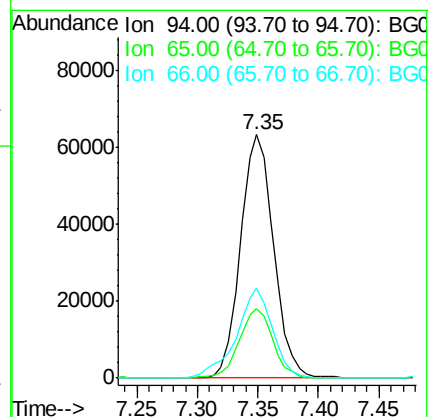
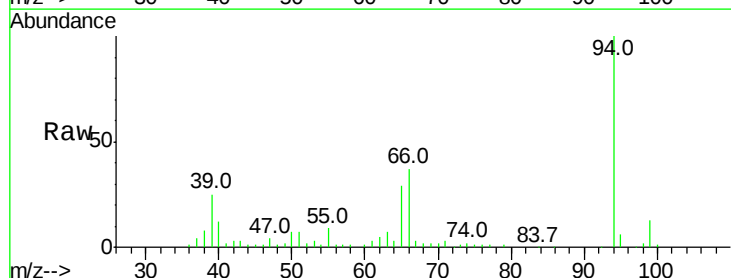
Tgt Ion: 94 Resp: 120962

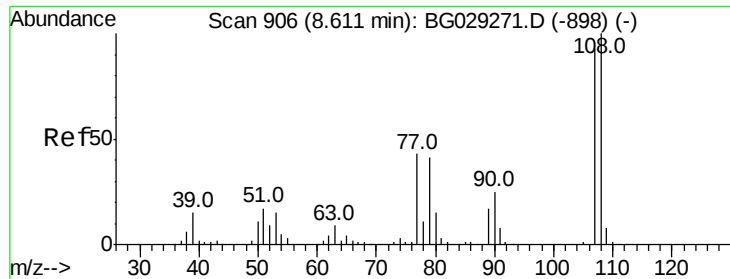
Ion Ratio Lower Upper

94 100

65 28.6 11.9 51.9

66 36.8 22.2 62.2

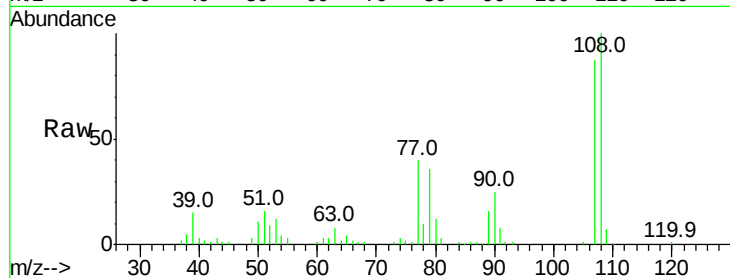




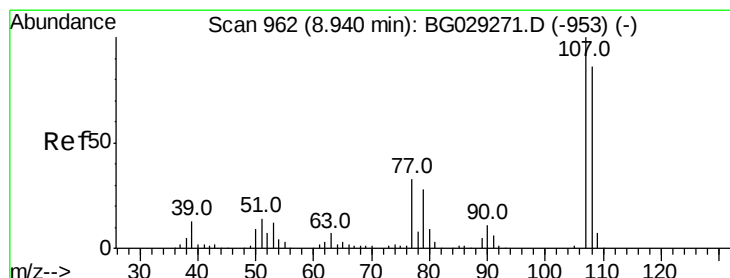
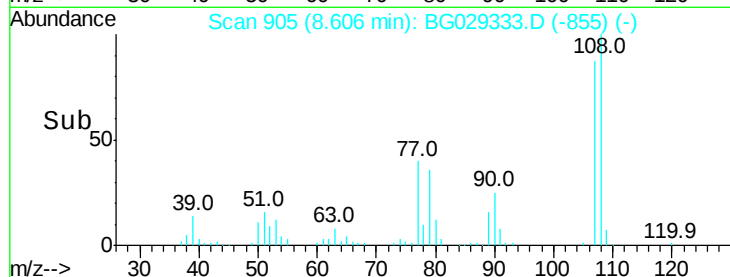
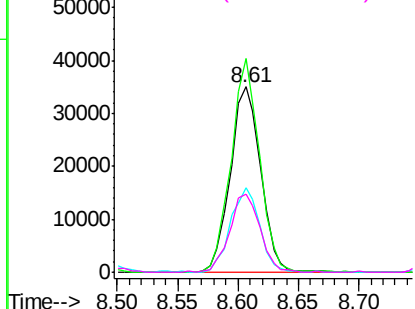
#17
2-Methylphenol
Concen: 15.242 ng
RT: 8.61 min Scan# 905
Delta R.T. -0.00 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Instrument :
BNA_G
ClientSampleId :
WH-TWS-04DL

Tot Ion:107 Resp: 61385
Ion Ratio Lower Upper
107 100
108 115.2 83.9 125.9
77 45.9 37.2 55.8
79 41.9 36.2 54.2

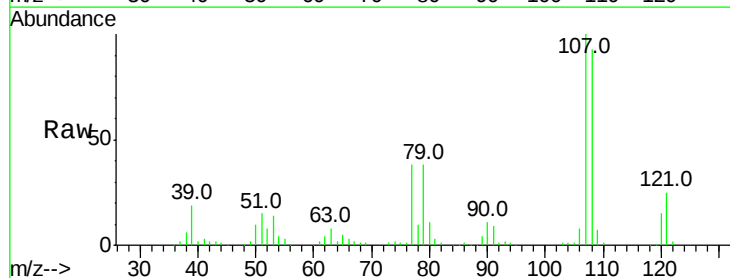


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

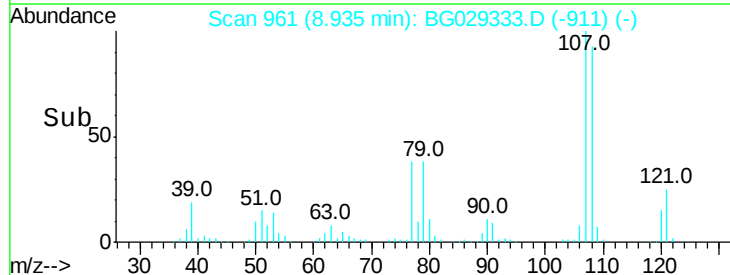
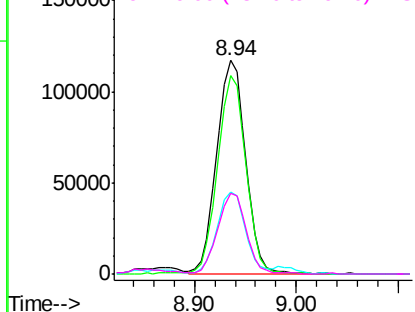


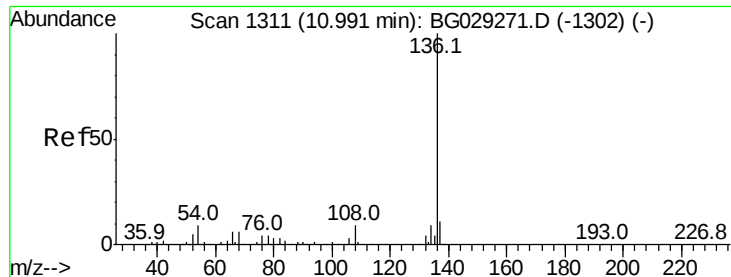
#20
3+4-Methylphenols
Concen: 40.808 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Tgt Ion:107 Resp: 231568
Ion Ratio Lower Upper
107 100
108 93.2 61.6 101.6
77 38.4 13.9 53.9
79 38.0 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

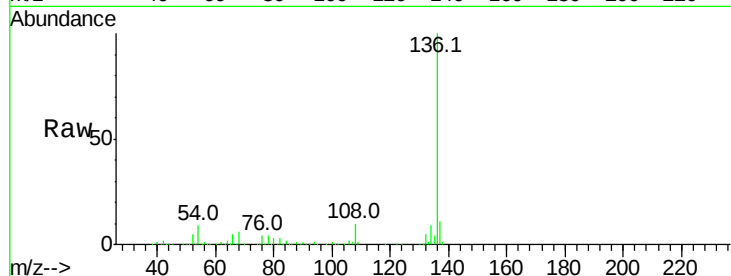




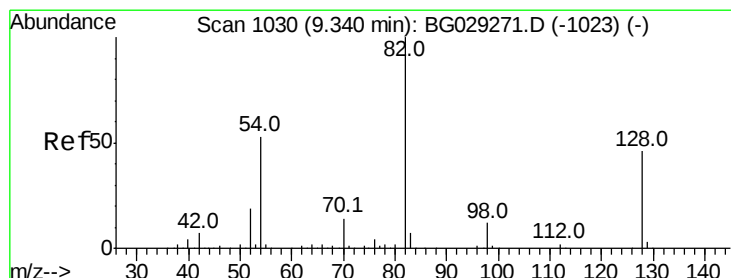
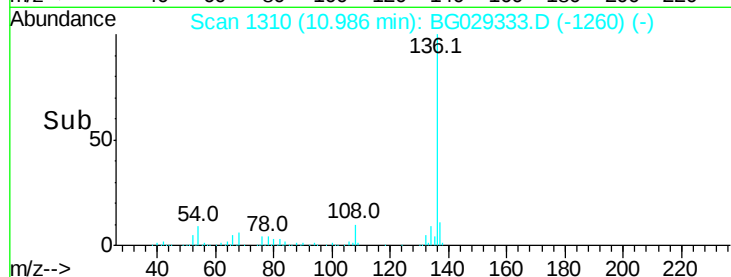
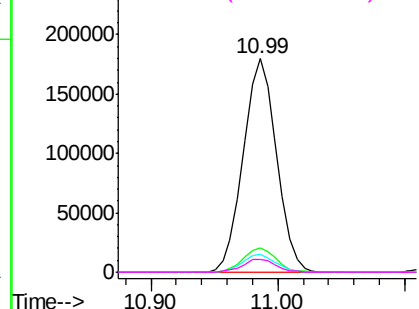
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Instrument :
BNA_G
ClientSampleId :
WH-TWS-04DL

Tot Ion:136	Resp:	327345
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.2 13.8
54	8.6	10.3 15.5#
68	5.9	4.5 6.7

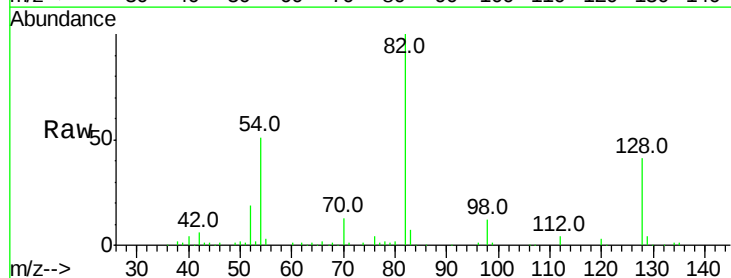


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

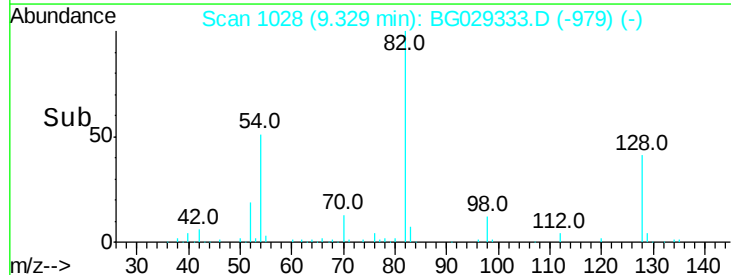
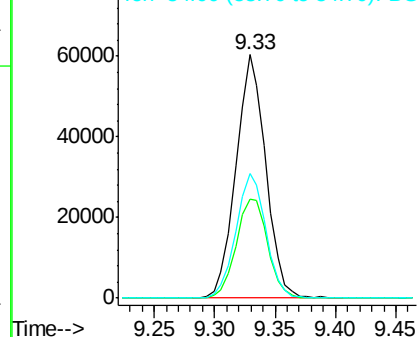


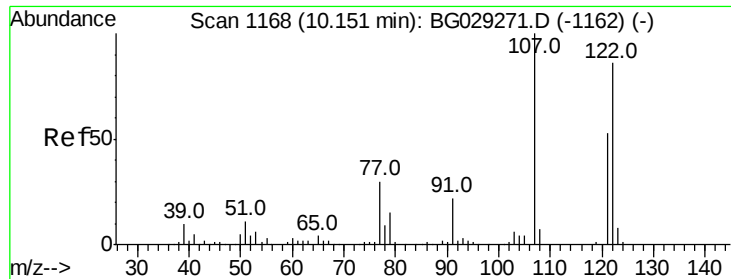
#23
Nitrobenzene-d5
Concen: 20.071 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Tgt Ion: 82	Resp:	103388
Ion	Ratio	Lower Upper
82	100	
128	40.6	29.7 44.5
54	51.1	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

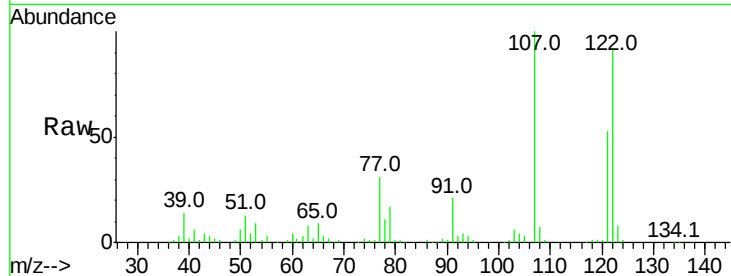




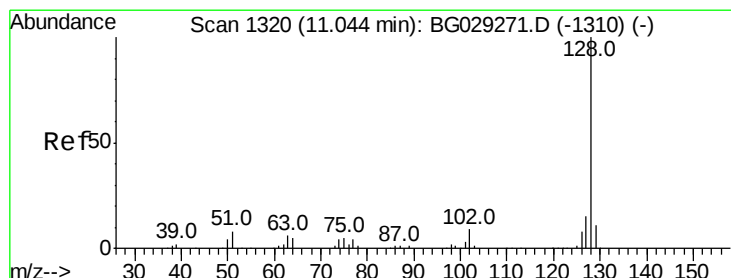
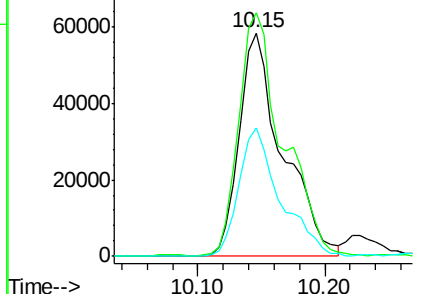
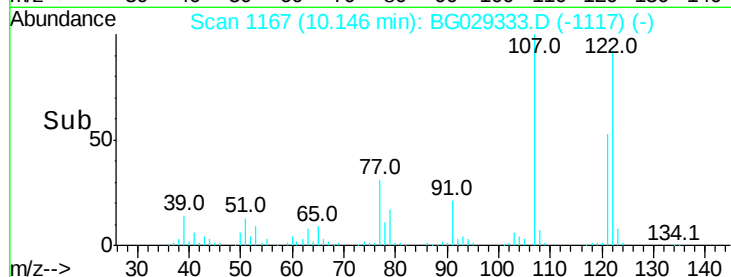
#27
 2,4-Dimethylphenol
 Concen: 27.759 ng
 RT: 10.15 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BG029333.D
 Acq: 18 Oct 2017 14:29

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-04DL

Tot Ion:122 Resp: 139025
 Ion Ratio Lower Upper
 122 100
 107 109.1 100.2 150.2
 121 57.6 44.4 66.6

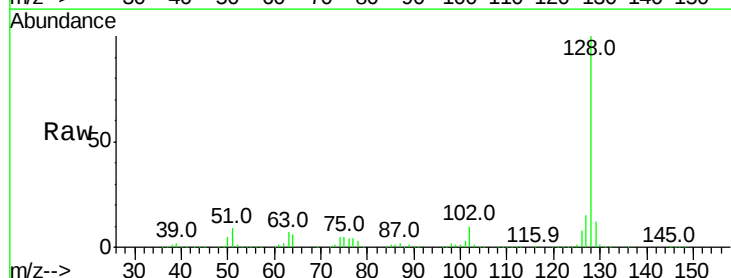


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

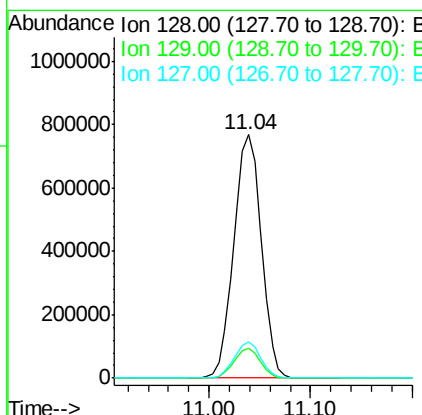
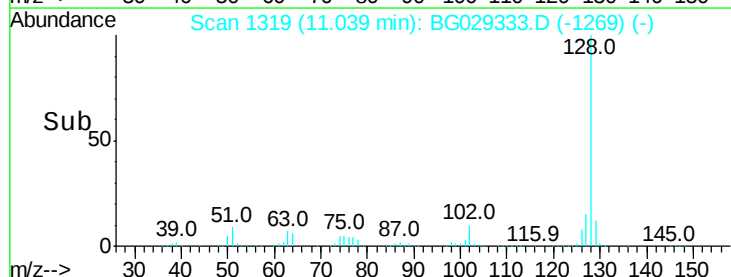


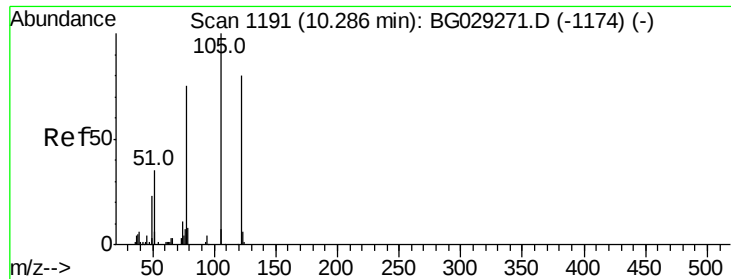
#31
 Naphthalene
 Concen: 88.761 ng
 RT: 11.04 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BG029333.D
 Acq: 18 Oct 2017 14:29

Tgt Ion:128 Resp: 1448062
 Ion Ratio Lower Upper
 128 100
 129 12.1 8.6 12.8
 127 14.6 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

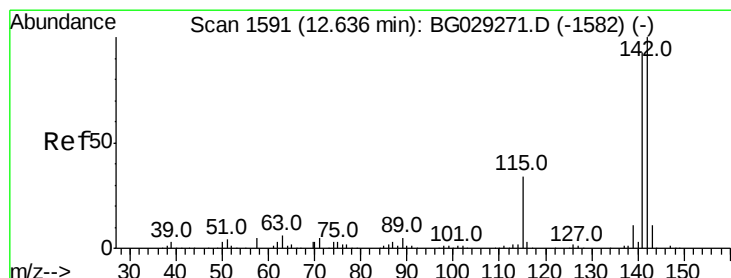
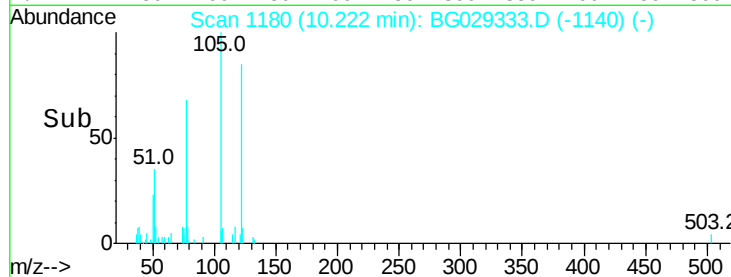
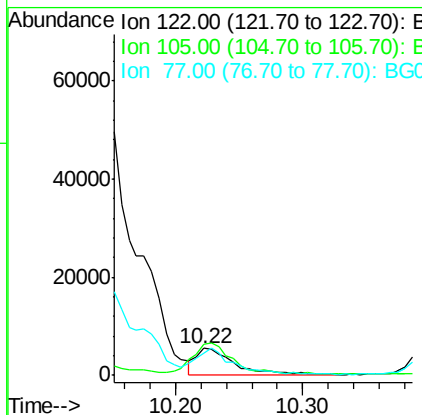
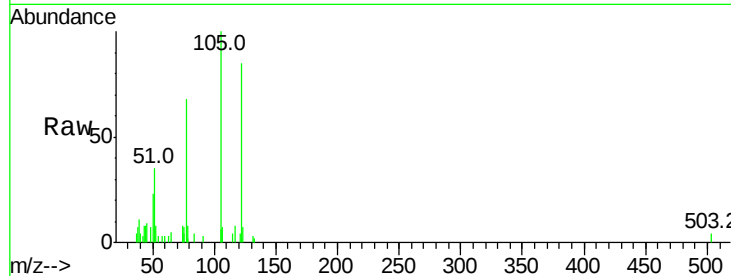




#32
Benzoic acid
Concen: 2.868 ng
RT: 10.22 min Scan# 1180
Delta R.T. -0.06 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

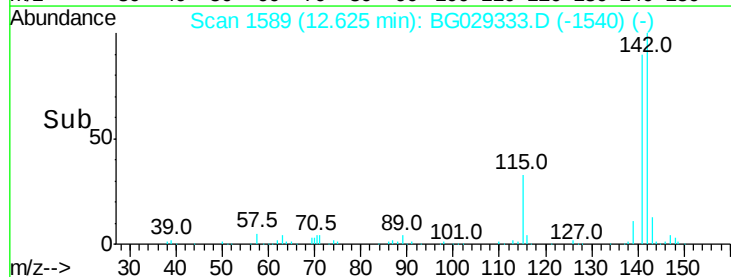
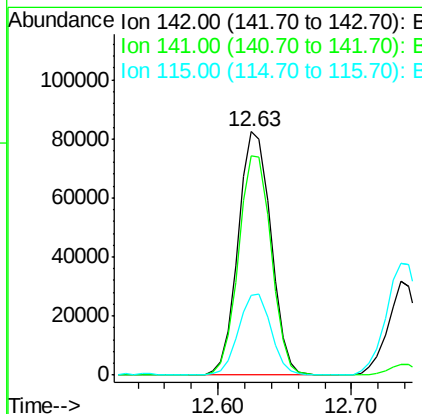
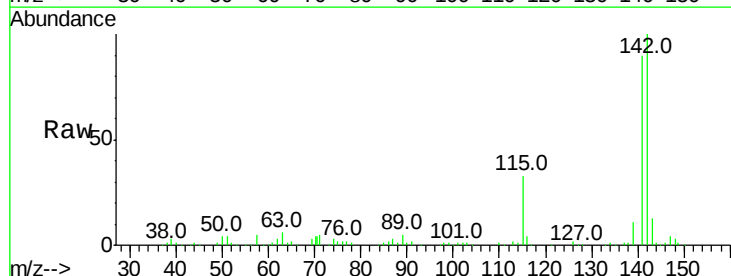
Instrument :
BNA_G
ClientSampleId :
WH-TWS-04DL

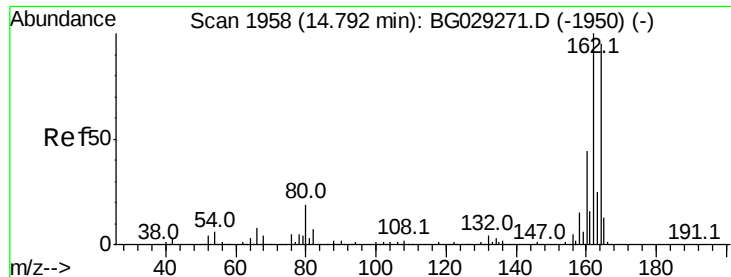
Tot Ion:122 Resp: 12027
Ion Ratio Lower Upper
122 100
105 117.0 123.5 163.5#
77 80.0 85.7 125.7#



#37
2-Methylnaphthalene
Concen: 11.764 ng
RT: 12.63 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Tgt Ion:142 Resp: 139872
Ion Ratio Lower Upper
142 100
141 90.1 67.1 100.7
115 32.9 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: BG029333.D

Acq: 18 Oct 2017 14:29

Instrument :

BNA_G

ClientSampleId :

WH-TWS-04DL

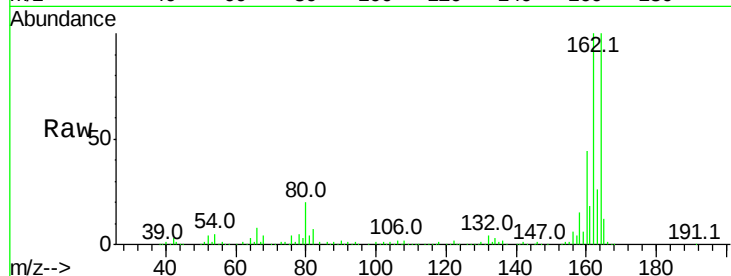
Tot Ion:164 Resp: 215021

Ion Ratio Lower Upper

164 100

162 100.2 78.8 118.2

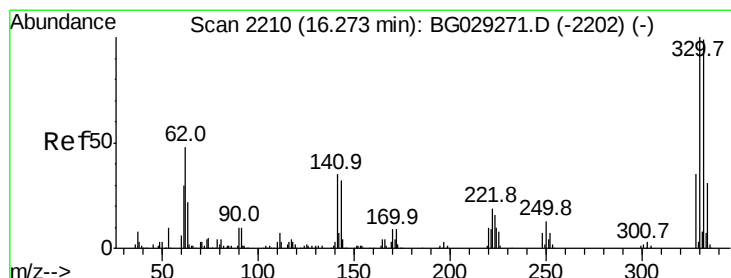
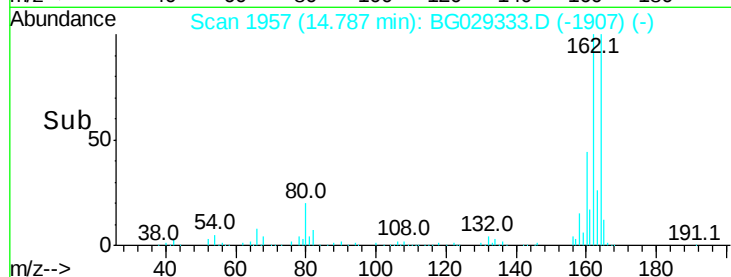
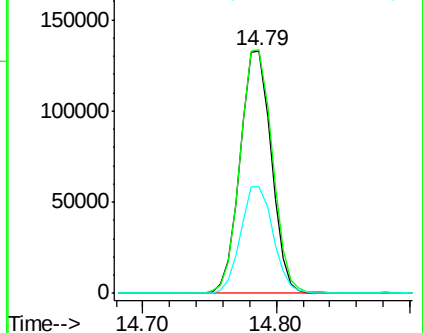
160 43.7 35.4 53.0



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: 26.715 ng

RT: 16.26 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

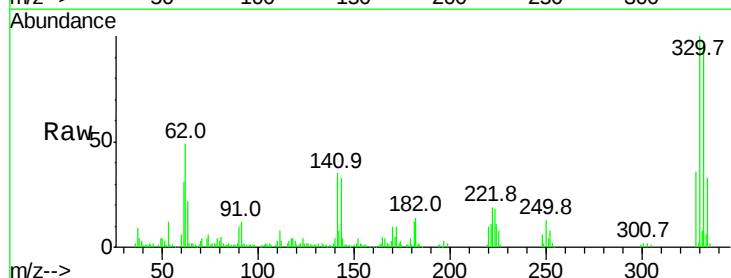
Tgt Ion:330 Resp: 74164

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

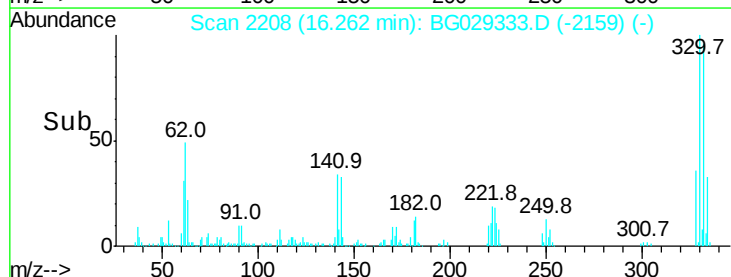
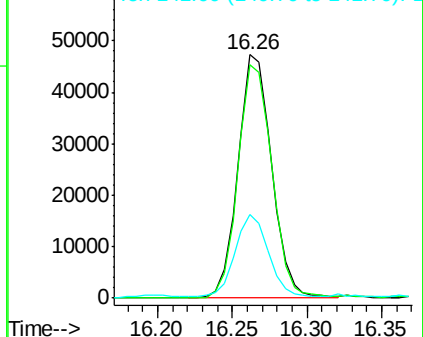
141 33.3 25.2 37.8

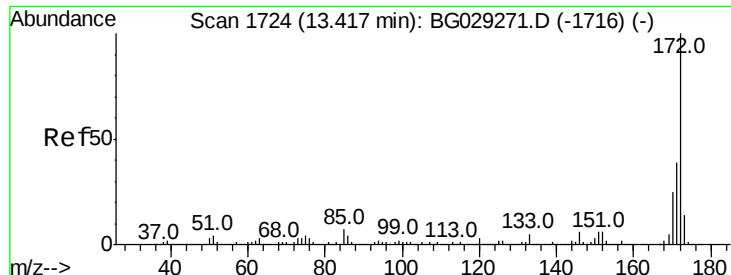


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

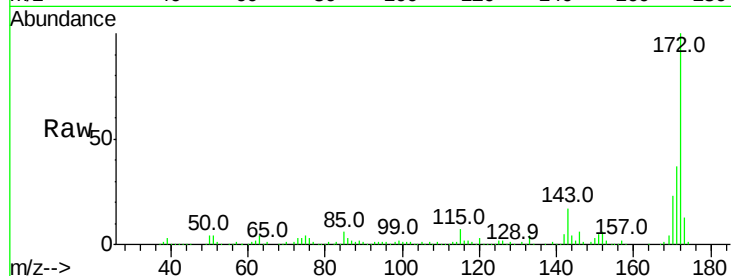




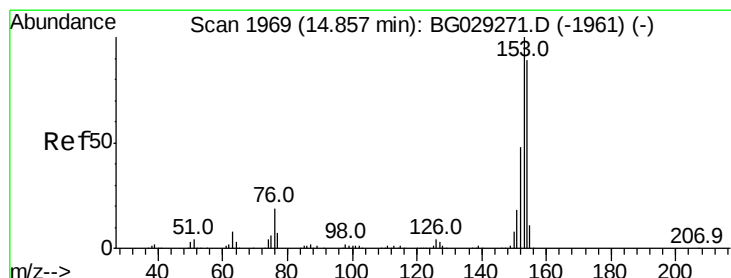
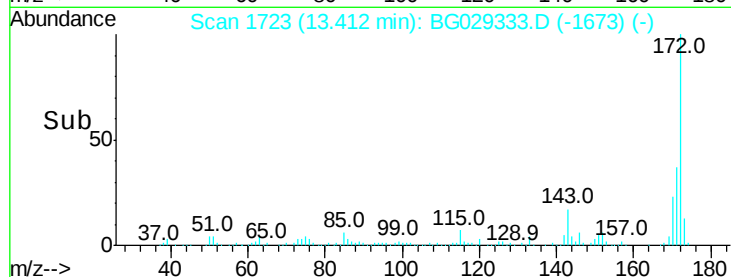
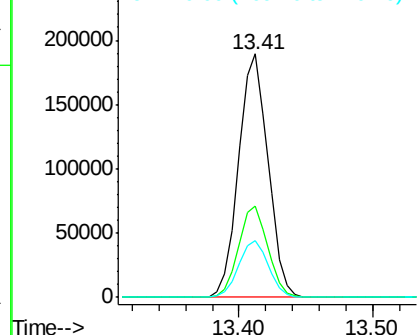
#44
 2-Fluorobiphenyl
 Concen: 19.736 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.00 min
 Lab File: BG029333.D
 Acq: 18 Oct 2017 14:29

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-04DL

Tot Ion:172 Resp: 289340
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 23.2 19.5 29.3

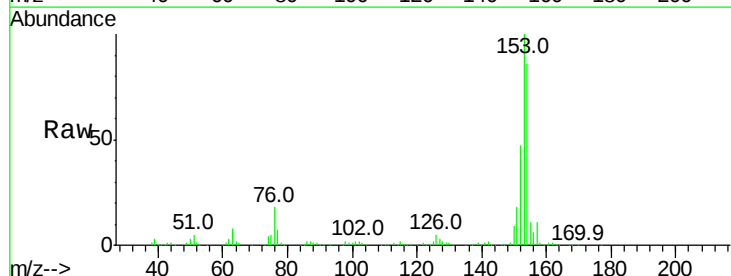


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

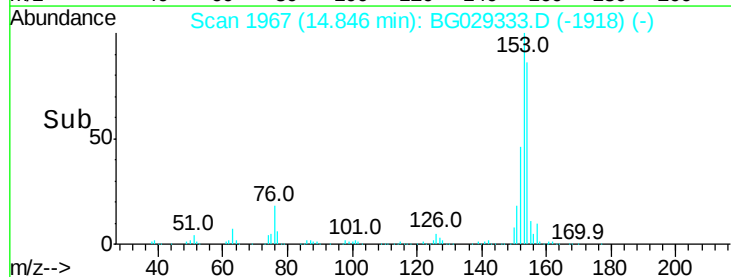
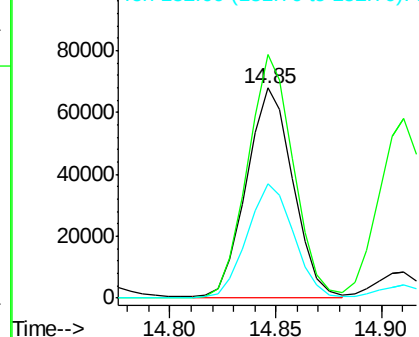


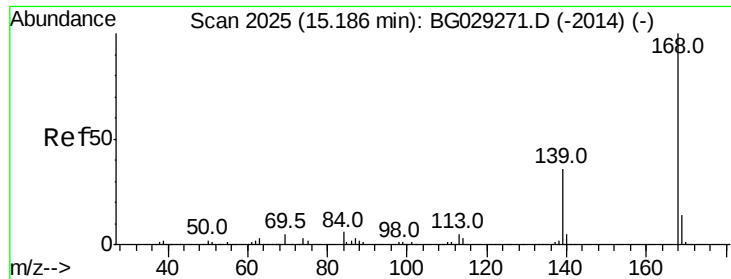
#51
 Acenaphthene
 Concen: 7.518 ng
 RT: 14.85 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG029333.D
 Acq: 18 Oct 2017 14:29

Tgt Ion:154 Resp: 103195
 Ion Ratio Lower Upper
 154 100
 153 115.9 90.4 135.6
 152 54.5 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: 8.292 ng

RT: 15.18 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

Instrument :

BNA_G

ClientSampleId :

WH-TWS-04DL

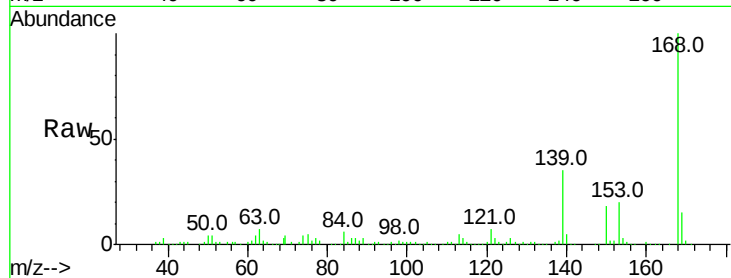
Tot Ion:168 Resp: 162496

Ion Ratio Lower Upper

168 100

139 35.3 28.6 43.0

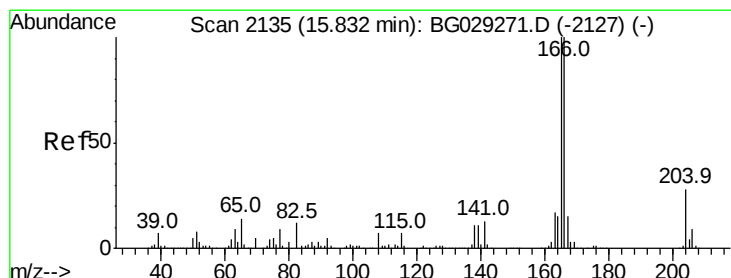
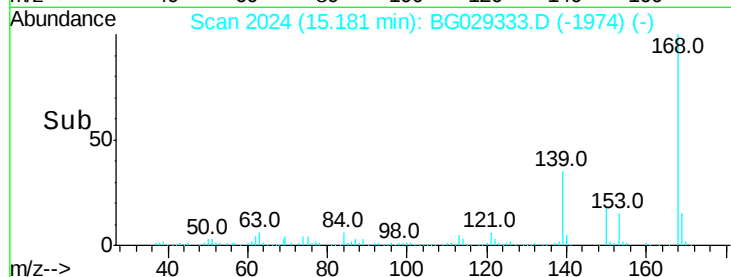
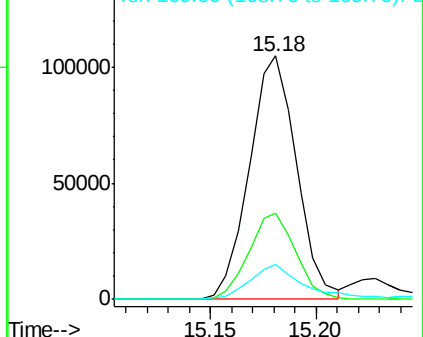
169 14.6 11.2 16.8



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: 5.498 ng

RT: 15.83 min Scan# 2134

Delta R.T. -0.00 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

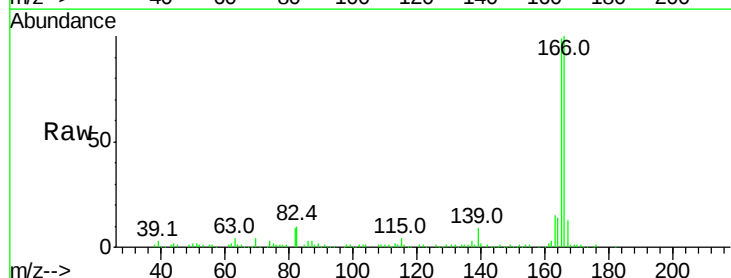
Tgt Ion:166 Resp: 89005

Ion Ratio Lower Upper

166 100

165 98.8 80.6 121.0

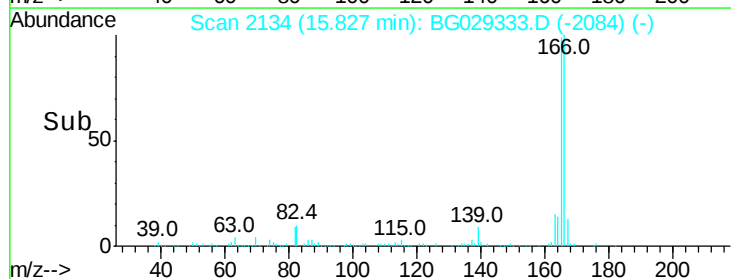
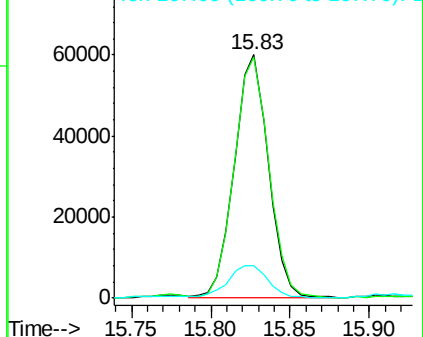
167 13.2 10.4 15.6

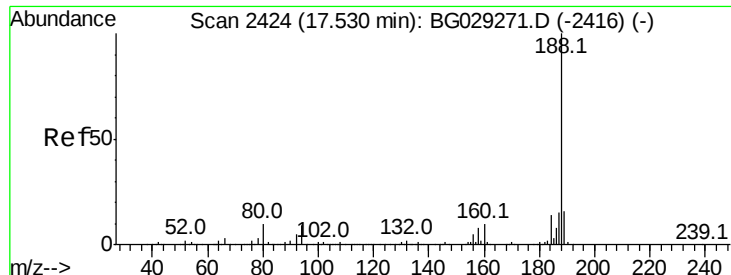


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

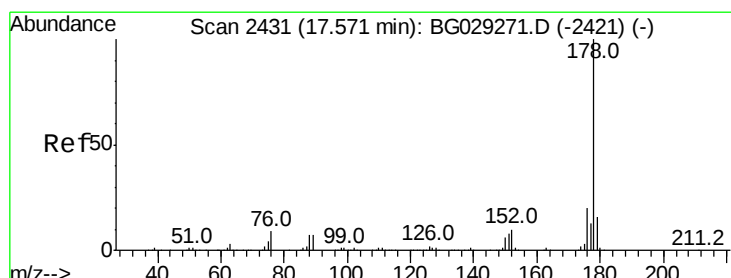
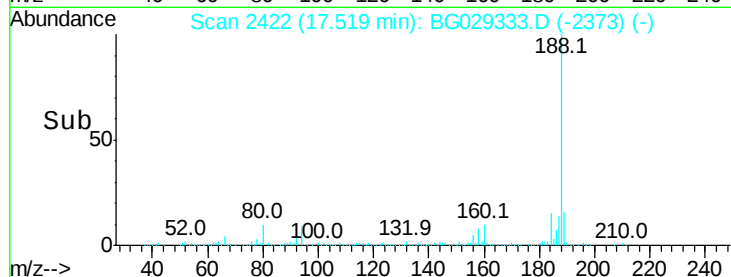
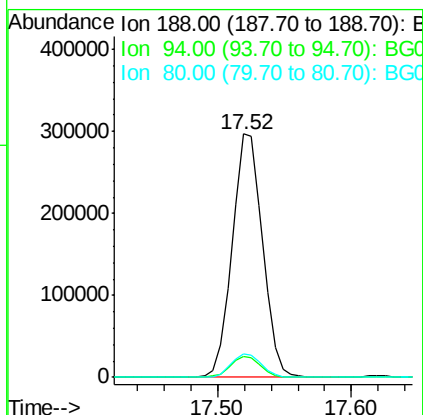
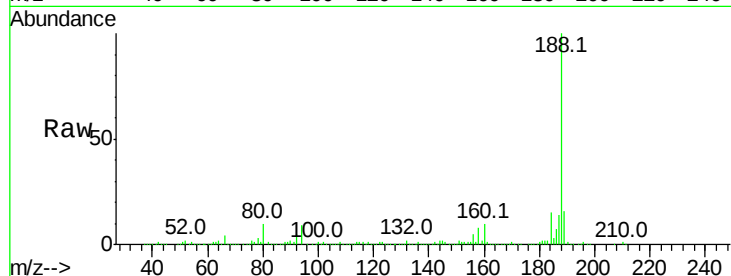




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

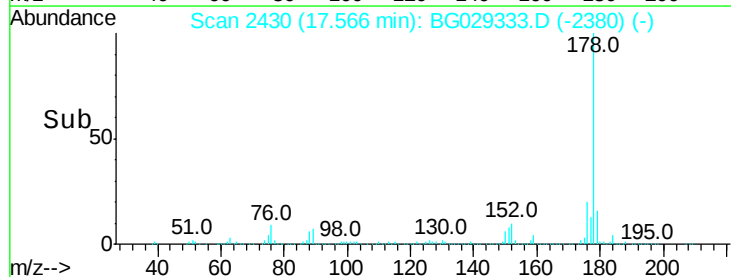
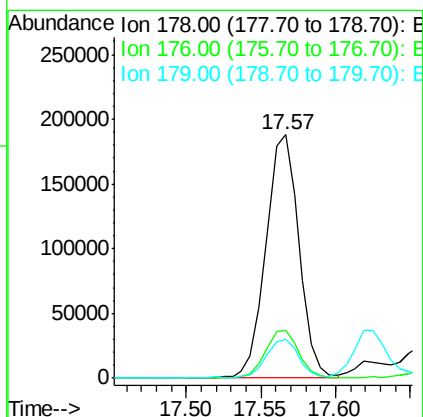
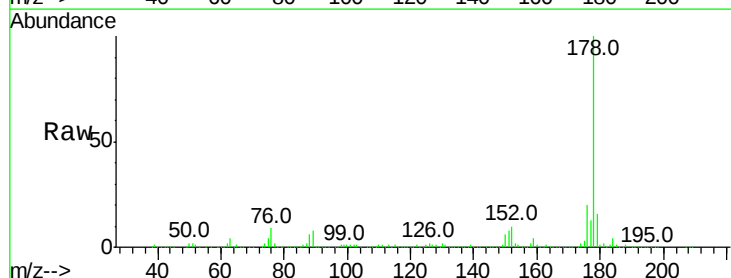
Instrument :
BNA_G
ClientSampleId :
WH-TWS-04DL

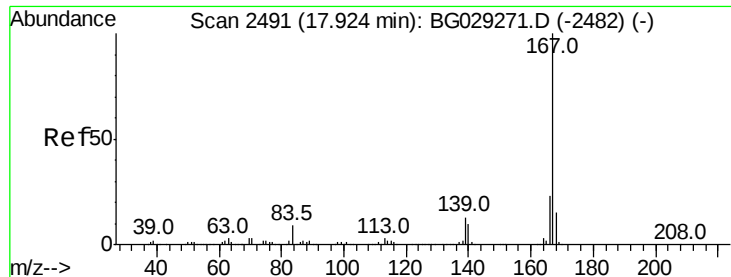
Tot Ion:188 Resp: 468212
Ion Ratio Lower Upper
188 100
94 8.7 6.9 10.3
80 9.8 7.7 11.5



#70
Phenanthrene
Concen: 11.933 ng
RT: 17.57 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG029333.D
Acq: 18 Oct 2017 14:29

Tgt Ion:178 Resp: 288628
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 16.0 12.5 18.7





#72

Carbazole

Concen: 12.540 ng

RT: 17.92 min Scan# 2490

Delta R.T. -0.00 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

Instrument :

BNA_G

ClientSampleId :

WH-TWS-04DL

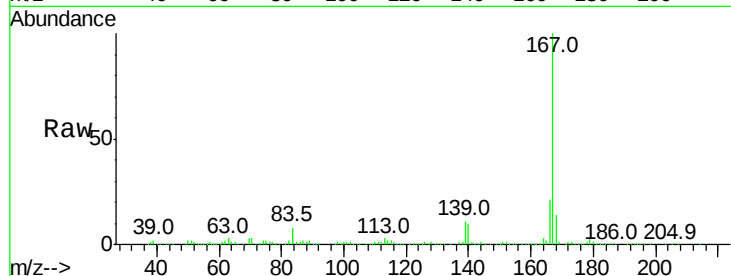
Tot Ion:167 Resp: 292566

Ion Ratio Lower Upper

167 100

166 21.1 18.2 27.4

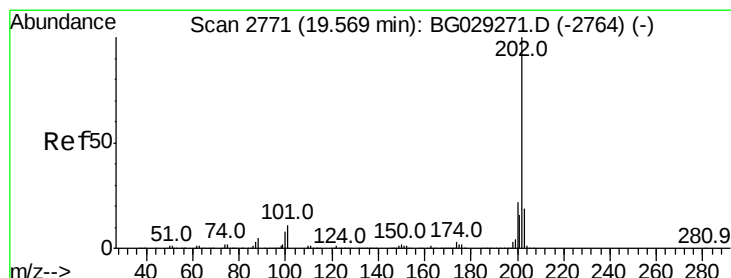
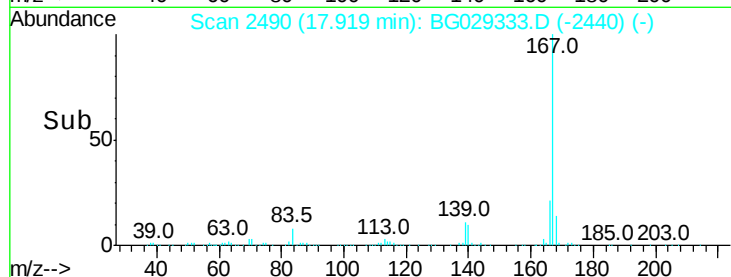
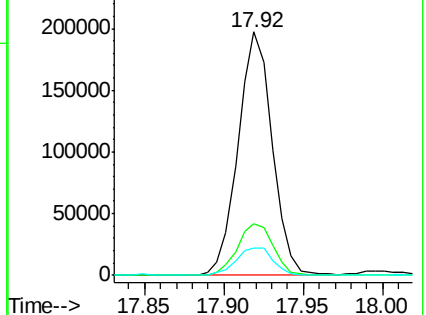
139 11.4 9.4 14.2



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: 3.803 ng

RT: 19.56 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

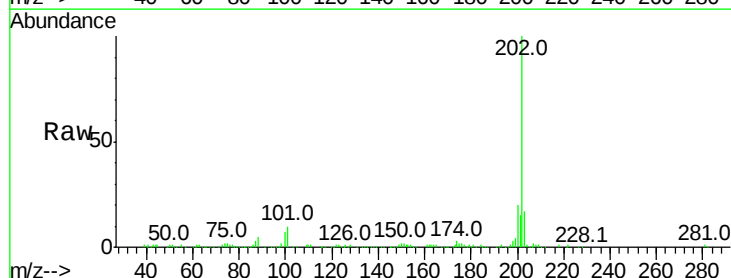
Tgt Ion:202 Resp: 107585

Ion Ratio Lower Upper

202 100

101 9.9 0.0 28.9

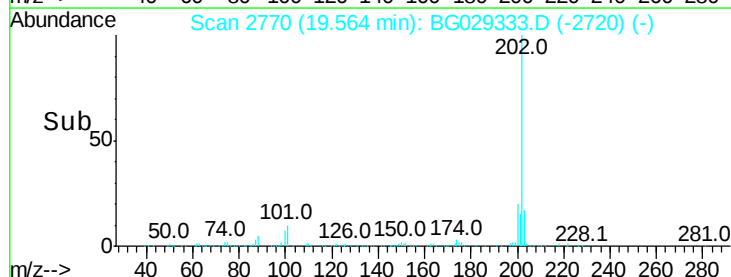
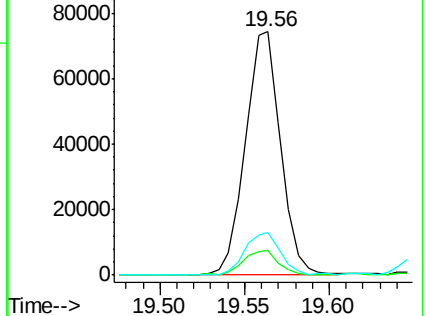
203 17.4 0.0 37.5

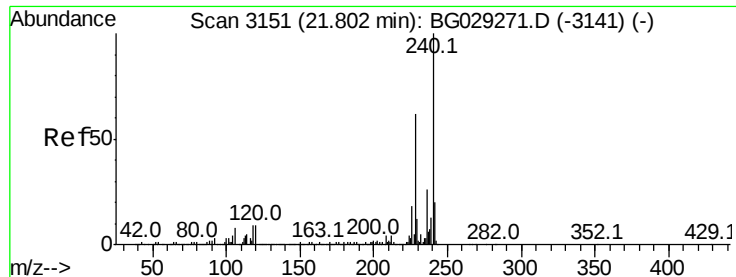


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG029333.D

Acq: 18 Oct 2017 14:29

Instrument :

BNA_G

ClientSampleId :

WH-TWS-04DL

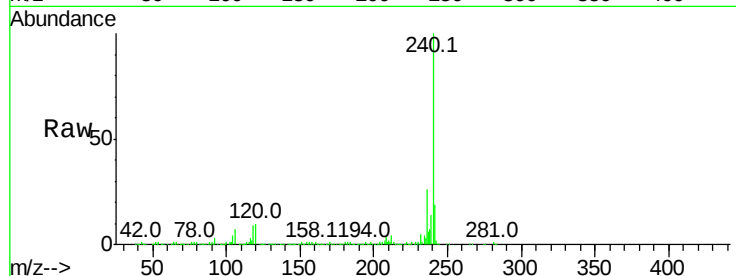
Tot Ion:240 Resp: 506440

Ion Ratio Lower Upper

240 100

120 9.7 6.8 10.2

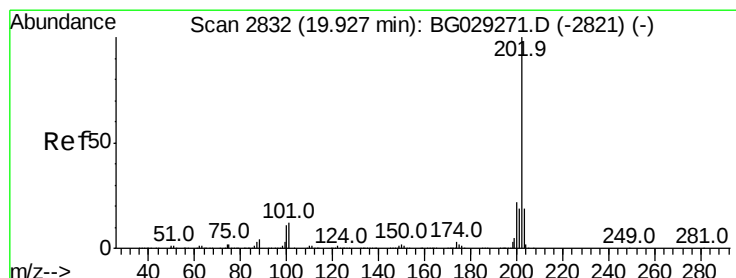
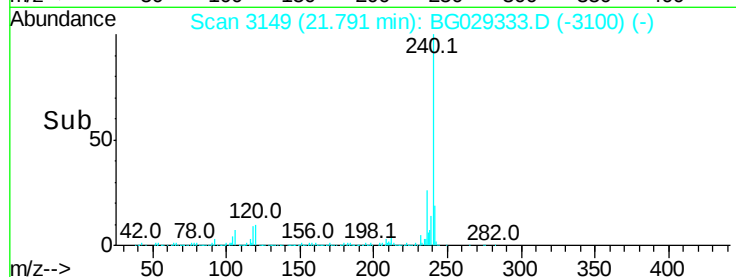
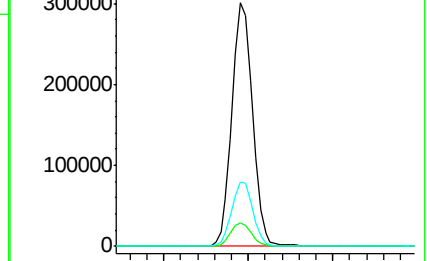
236 26.2 20.9 31.3



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

Pyrene

Concen: 2.491 ng

RT: 19.92 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

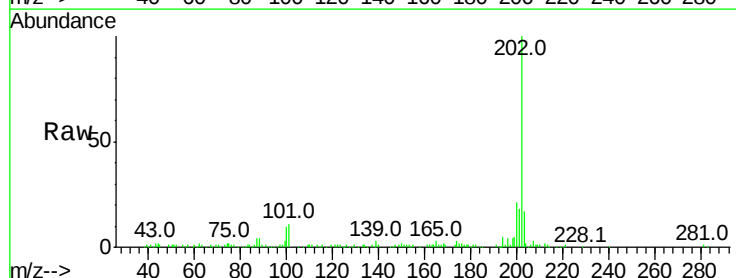
Tgt Ion:202 Resp: 76524

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

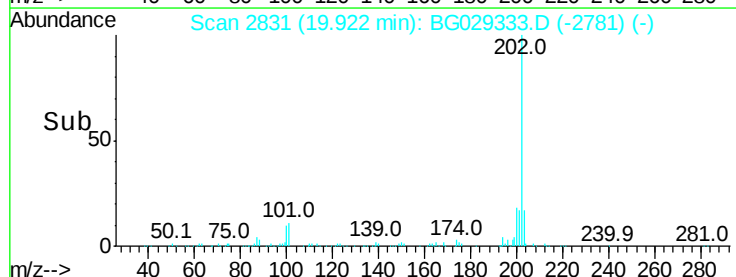
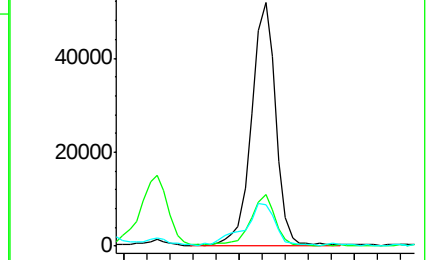
203 17.1 13.9 20.9

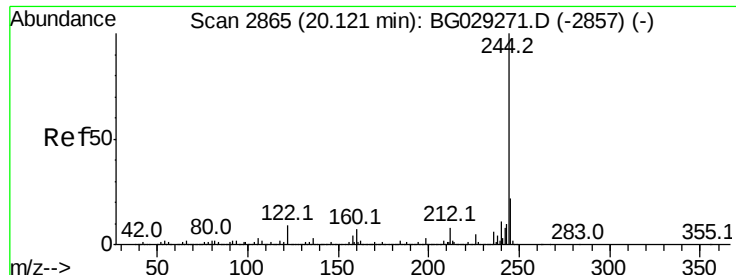


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.247 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

Instrument :

BNA_G

ClientSampleId :

WH-TWS-04DL

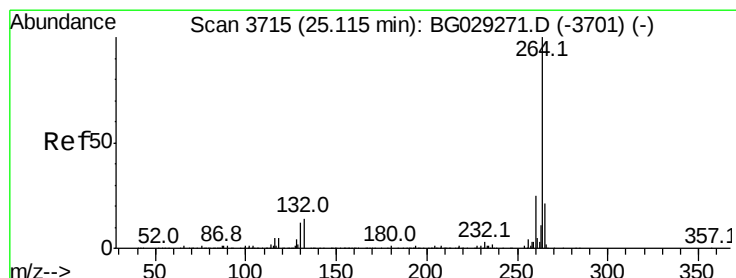
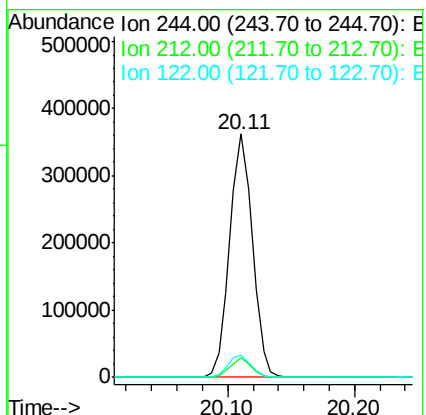
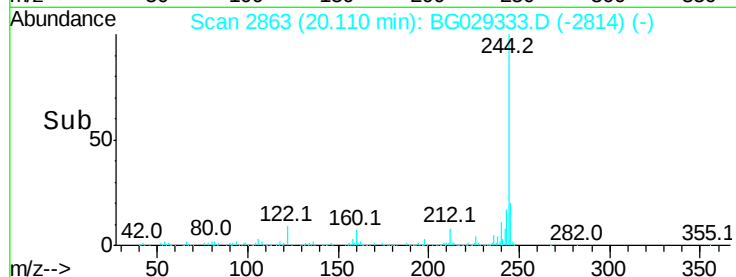
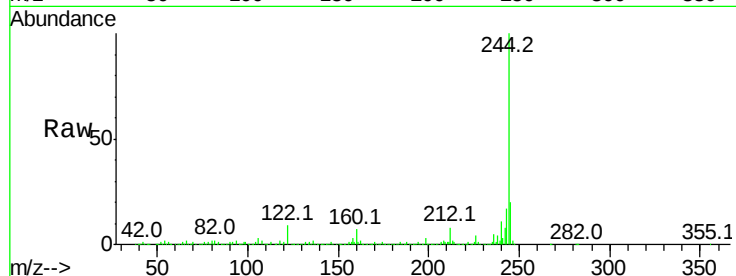
Tot Ion:244 Resp: 450741

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 9.2 7.0 10.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG029333.D

Acq: 18 Oct 2017 14:29

Tgt Ion:264 Resp: 510168

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 21.5 17.7 26.5

