

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\
 Data File : BG029334.D
 Acq On : 18 Oct 2017 15:08
 Operator : SJ/JU
 Sample : I5906-15DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-05DL

Quant Time: Oct 18 16:49:50 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

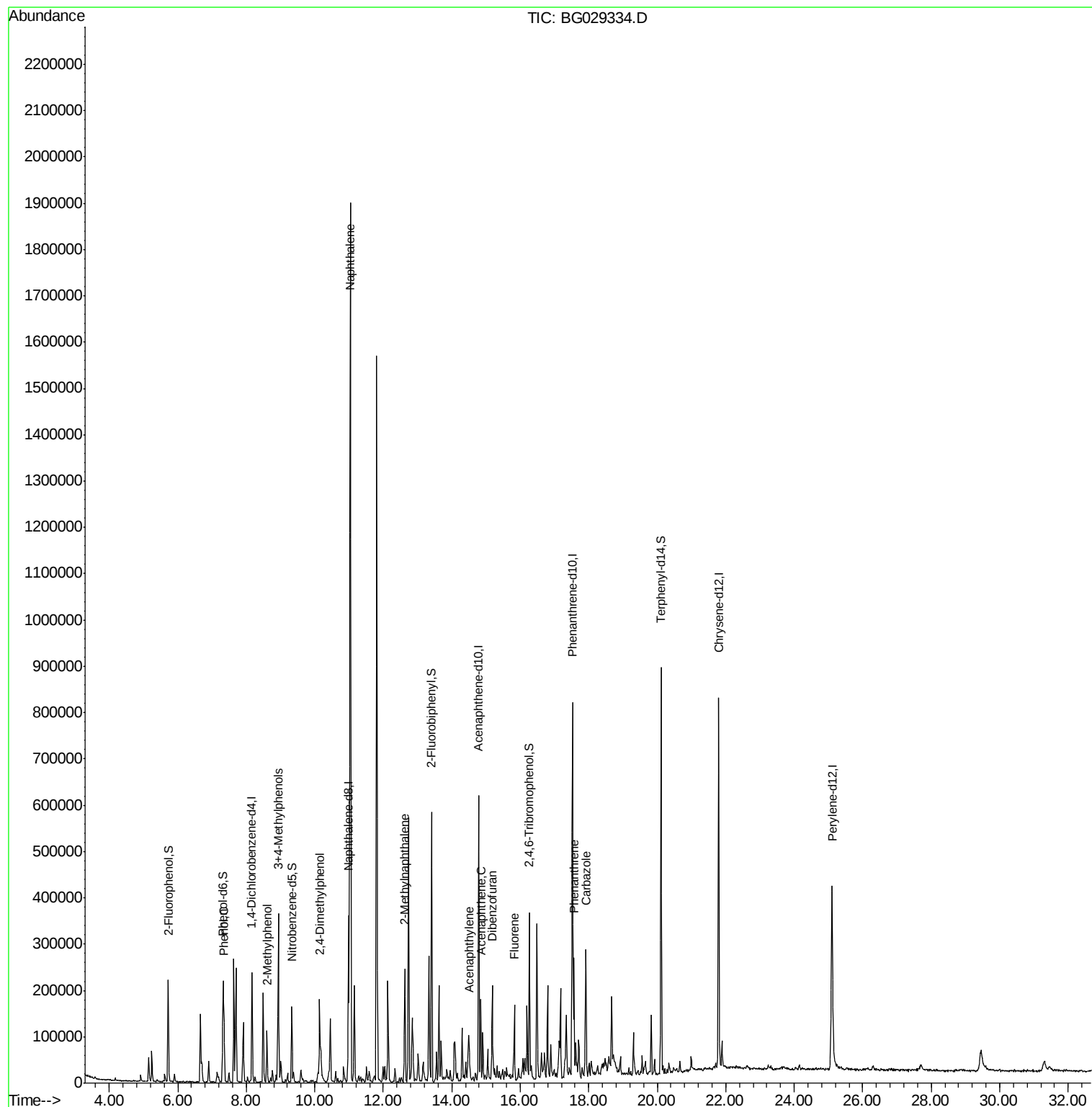
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	66498	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	330227	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	208269	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	463772	20.00	ng	0.00
75) Chrysene-d12	21.79	240	503483	20.00	ng	-0.01
86) Perylene-d12	25.10	264	501037	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	104665	26.29	ng	0.00
7) Phenol-d6	7.32	99	133373	23.87	ng	0.00
23) Nitrobenzene-d5	9.33	82	95261	18.33	ng	-0.01
41) 2,4,6-Tribromophenol	16.27	330	68139	25.34	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	263357	18.55	ng	0.00
78) Terphenyl-d14	20.11	244	405902	18.34	ng	-0.01
Target Compounds						
10) Phenol	7.35	94	94105	15.622	ng	91
17) 2-Methylphenol	8.61	107	36634	9.155	ng	96
20) 3+4-Methylphenols	8.93	107	148721	26.377	ng	94
27) 2,4-Dimethylphenol	10.14	122	76617	15.164	ng	87
31) Naphthalene	11.04	128	1600237	97.232	ng	98
37) 2-Methylnaphthalene	12.63	142	120260	10.026	ng	93
48) Acenaphthylene	14.51	152	49857	2.440	ng	97
51) Acenaphthene	14.85	154	61339	4.613	ng	97
54) Dibenzofuran	15.18	168	112186	5.910	ng	99
57) Fluorene	15.83	166	69382	4.425	ng	97
70) Phenanthrene	17.57	178	144216	6.019	ng	99
72) Carbazole	17.92	167	178175	7.710	ng	98

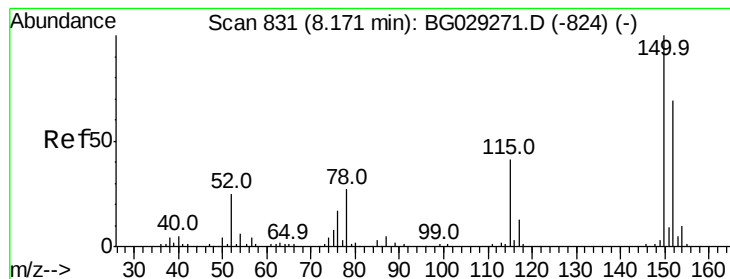
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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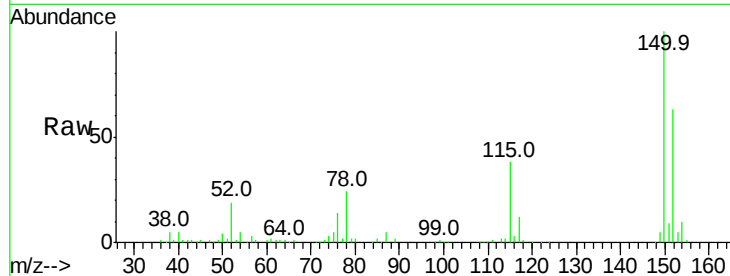


#1

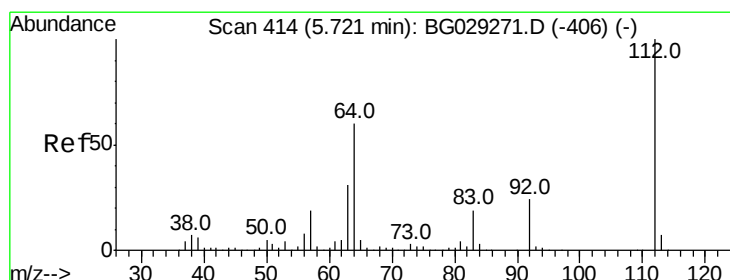
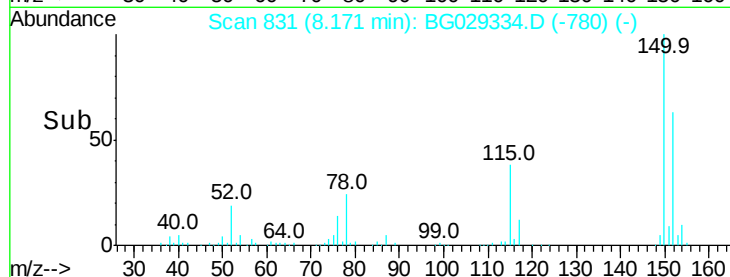
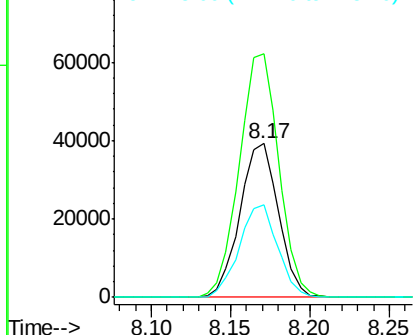
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05DL

Tot Ion:152 Resp: 66498
Ion Ratio Lower Upper
152 100
150 158.6 126.6 189.8
115 60.5 53.0 79.4



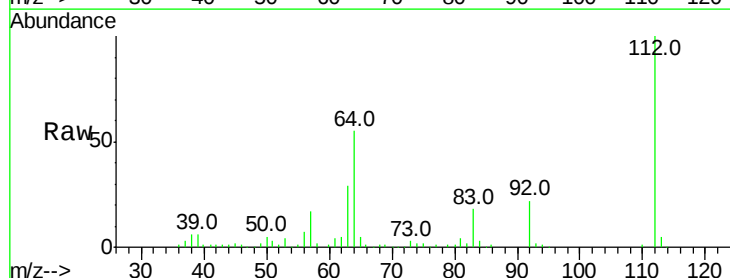
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



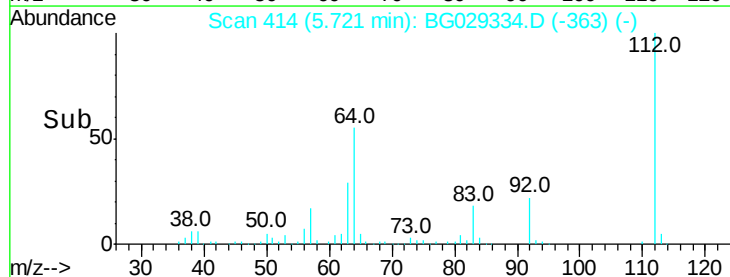
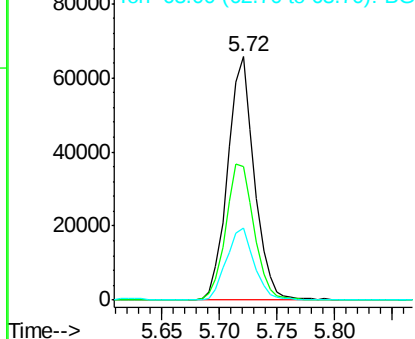
#5

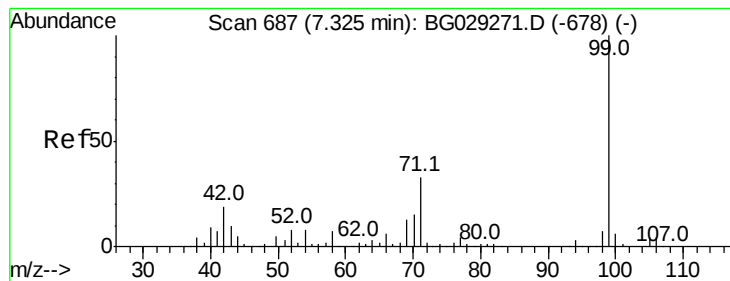
2-Fluorophenol
Concen: 26.294 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Tgt Ion:112 Resp: 104665
Ion Ratio Lower Upper
112 100
64 54.6 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: 23.870 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

Instrument :

BNA_G

ClientSampleId :

WH-TWS-05DL

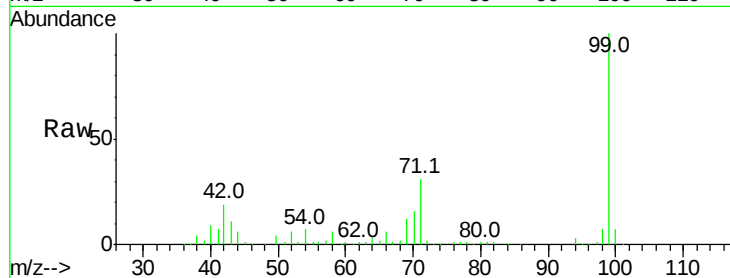
Tot Ion: 99 Resp: 133373

Ion Ratio Lower Upper

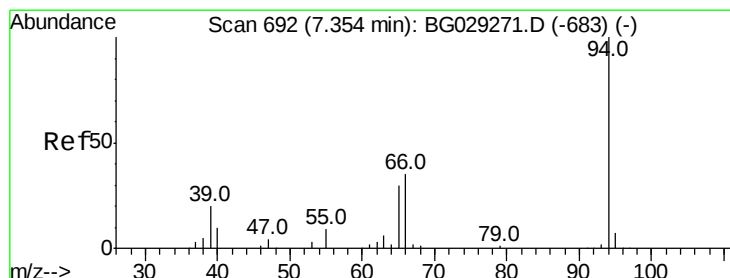
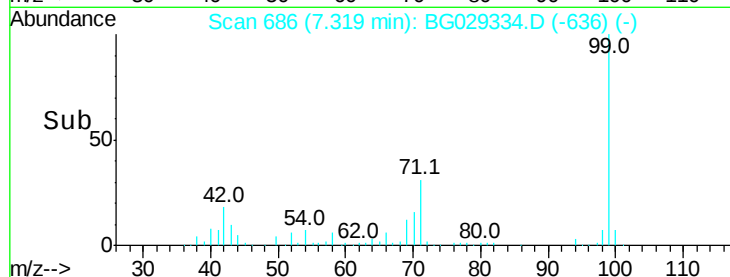
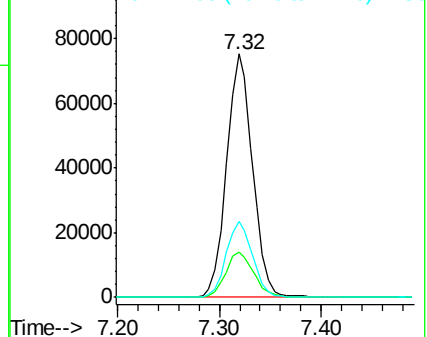
99 100

42 18.7 14.1 21.1

71 31.3 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: 15.622 ng

RT: 7.35 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

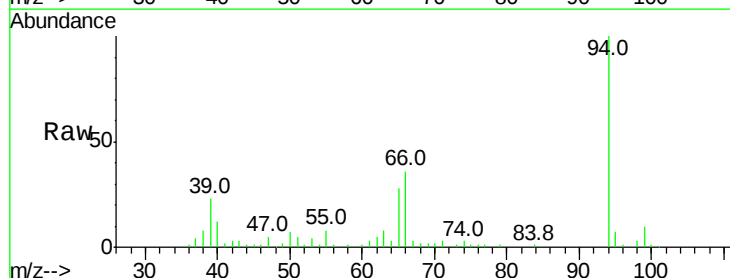
Tgt Ion: 94 Resp: 94105

Ion Ratio Lower Upper

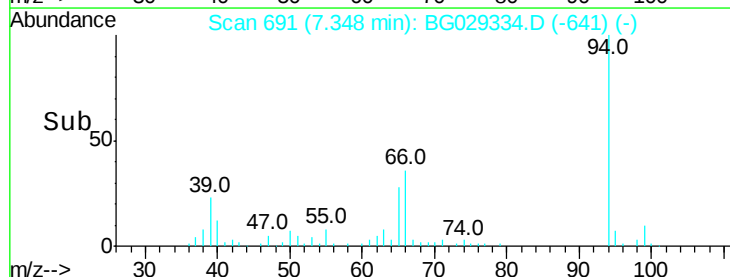
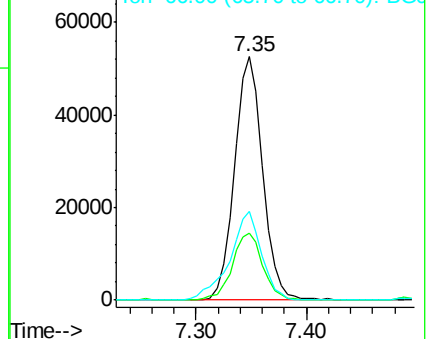
94 100

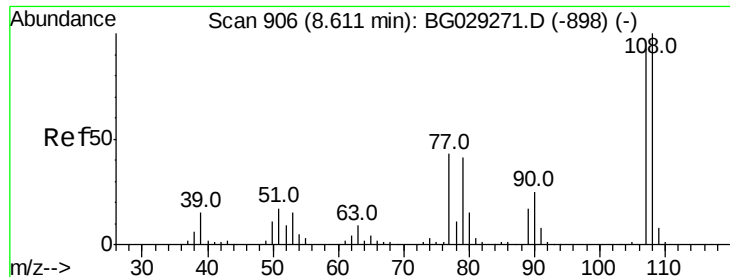
65 27.6 11.9 51.9

66 36.2 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

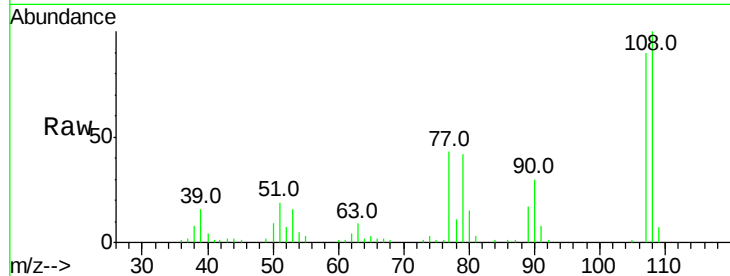




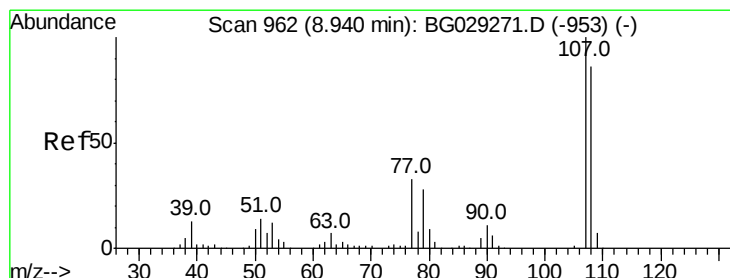
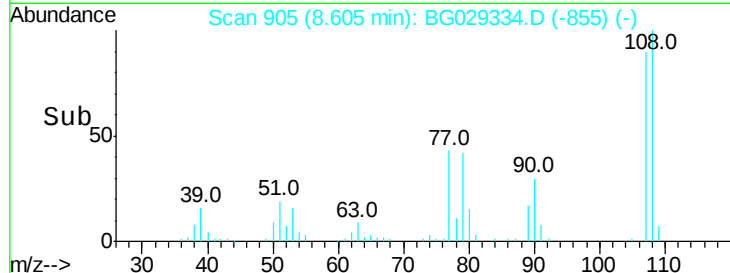
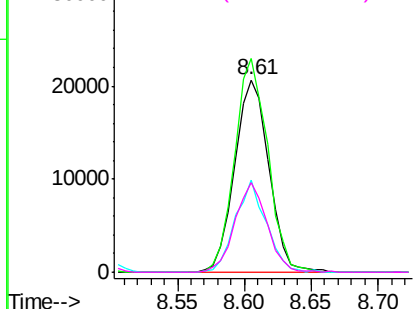
#17
2-Methylphenol
Concen: 9.155 ng
RT: 8.61 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05DL

Tot Ion:107 Resp: 36634
Ion Ratio Lower Upper
107 100
108 110.9 83.9 125.9
77 47.7 37.2 55.8
79 46.8 36.2 54.2

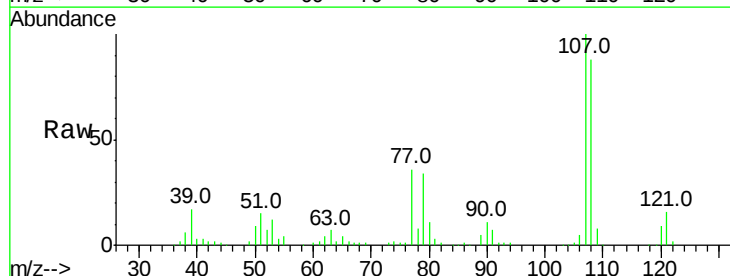


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

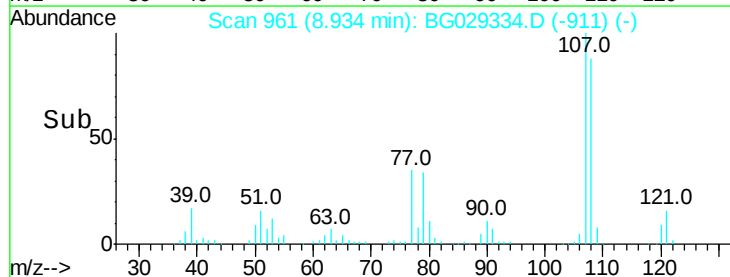
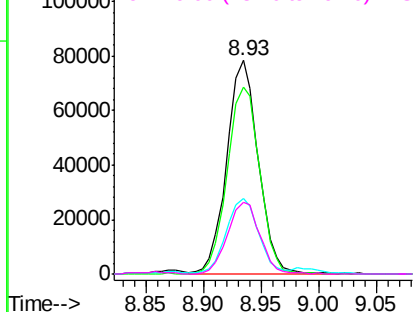


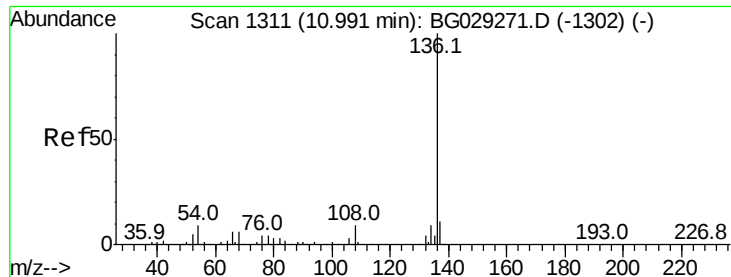
#20
3+4-Methylphenols
Concen: 26.377 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Tgt Ion:107 Resp: 148721
Ion Ratio Lower Upper
107 100
108 87.8 61.6 101.6
77 35.6 13.9 53.9
79 33.5 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

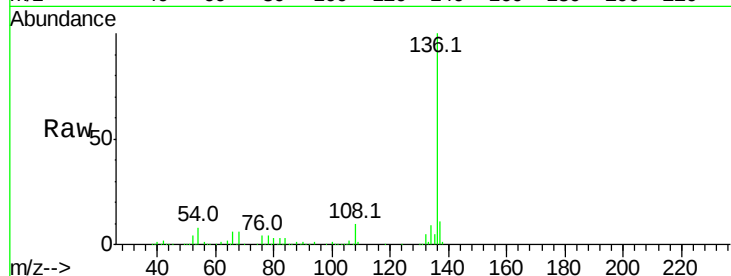




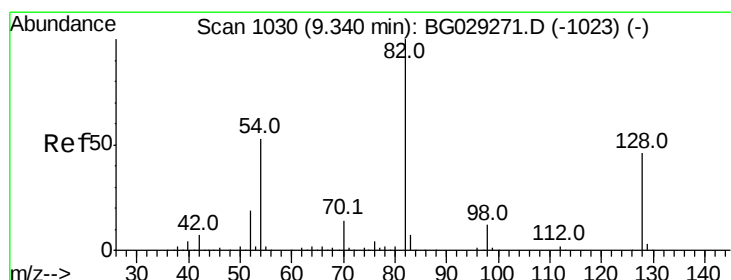
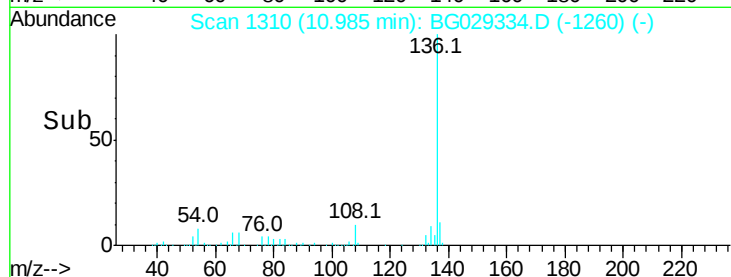
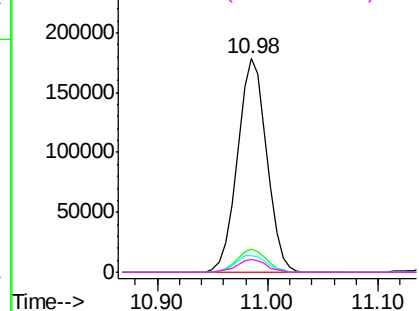
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05DL

Tot Ion:136	Resp:	330227
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.2 13.8
54	7.8	10.3 15.5#
68	6.0	4.5 6.7

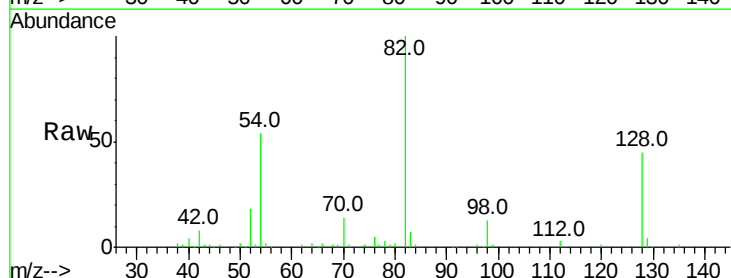


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

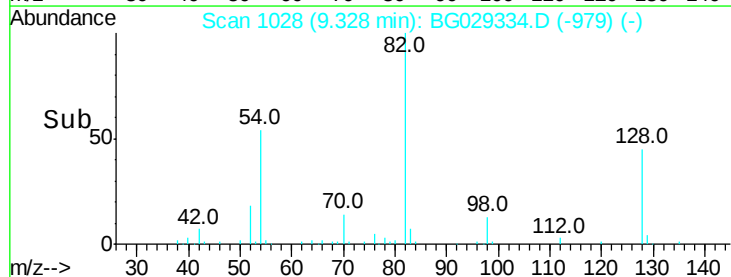
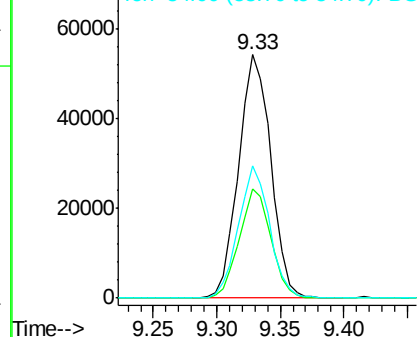


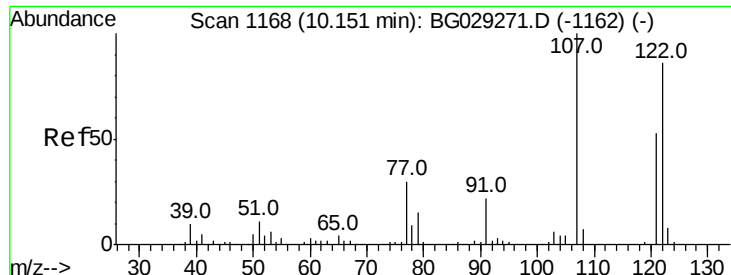
#23
Nitrobenzene-d5
Concen: 18.332 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Tgt Ion: 82	Resp:	95261
Ion	Ratio	Lower Upper
82	100	
128	44.8	29.7 44.5#
54	54.3	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

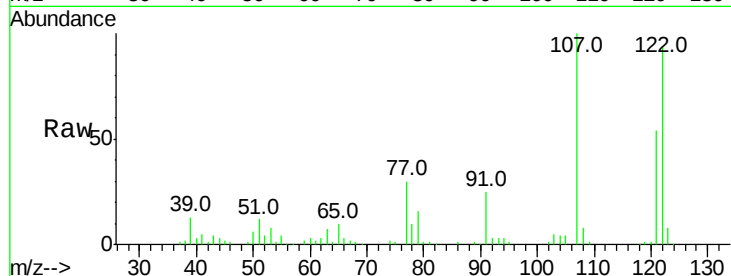




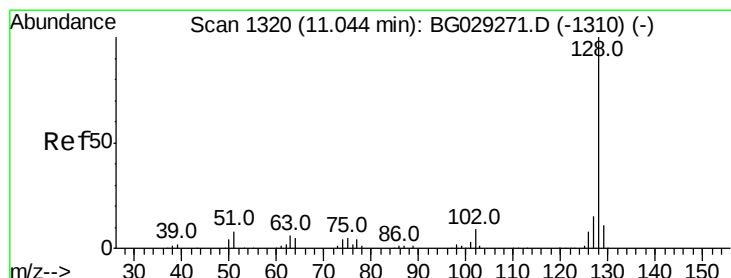
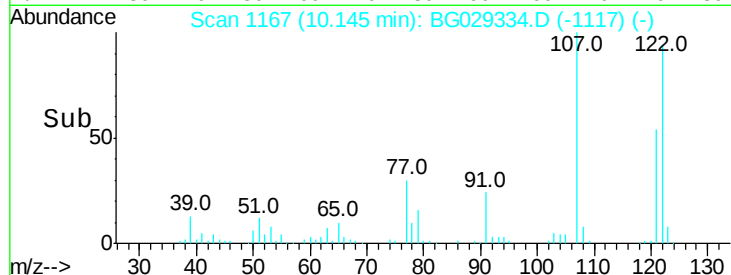
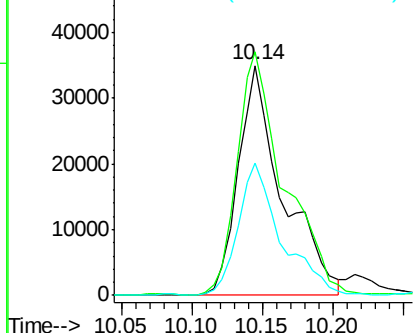
#27
2,4-Dimethylphenol
Concen: 15.164 ng
RT: 10.14 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05DL

Tot Ion:122 Resp: 76617
Ion Ratio Lower Upper
122 100
107 105.8 100.2 150.2
121 57.4 44.4 66.6

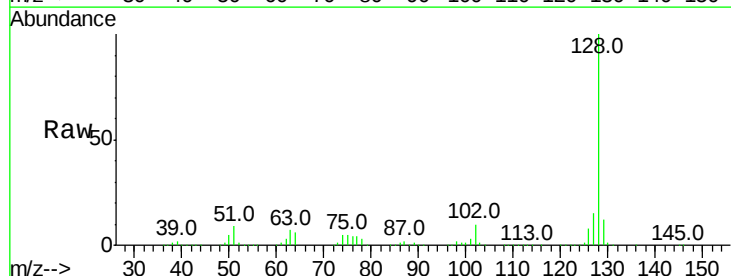


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

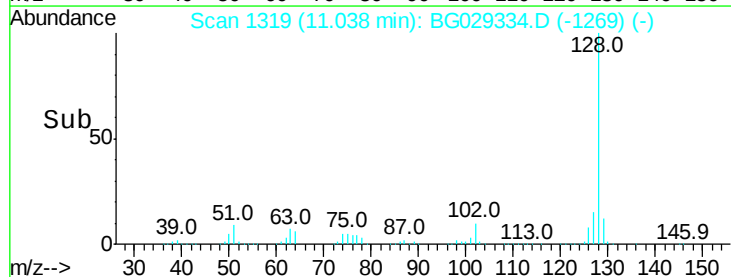
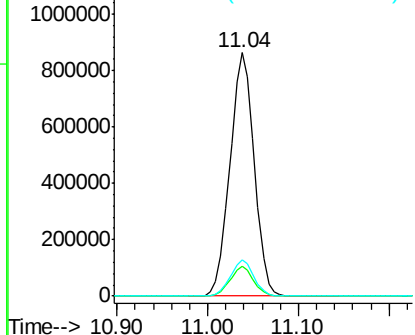


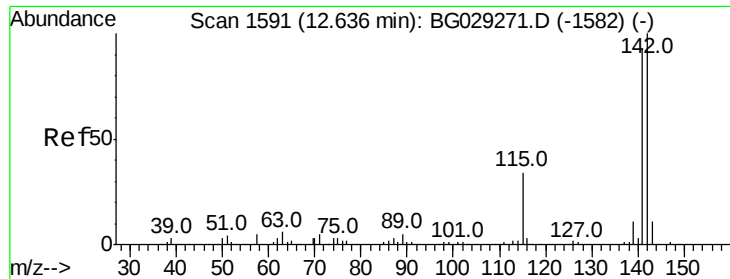
#31
Naphthalene
Concen: 97.232 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Tgt Ion:128 Resp: 1600237
Ion Ratio Lower Upper
128 100
129 12.2 8.6 12.8
127 15.0 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

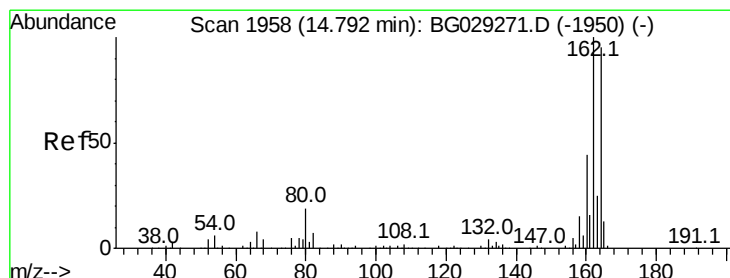
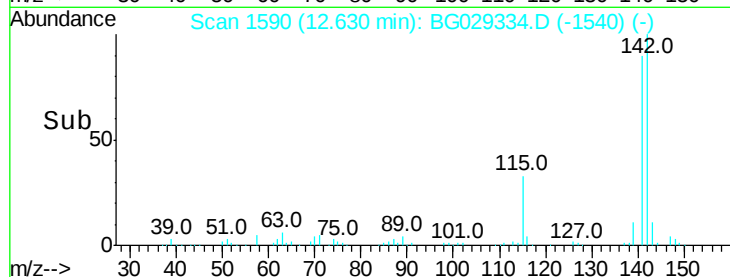
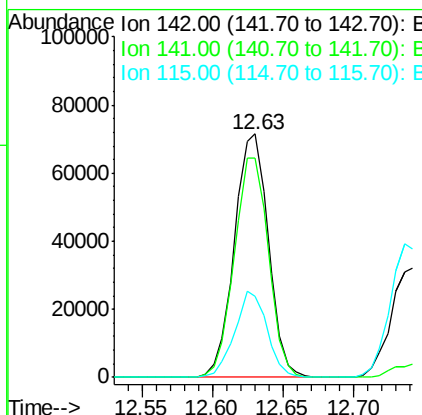
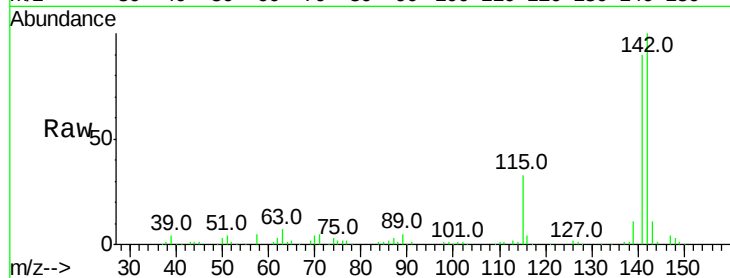




#37
2-Methylnaphthalene
Concen: 10.026 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

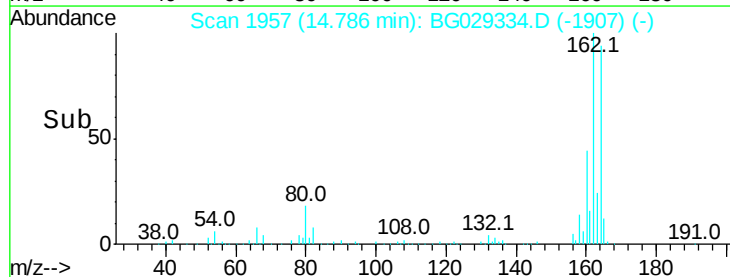
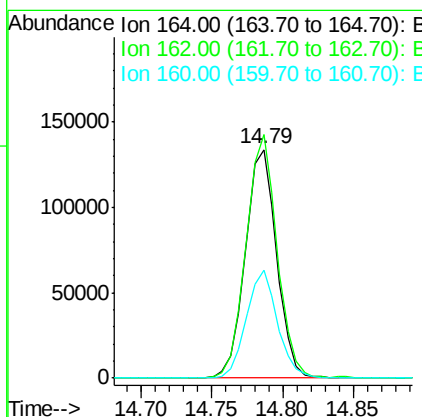
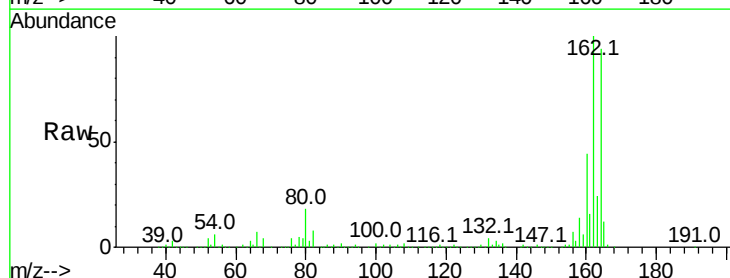
Instrument :
BNA_G
ClientSampleID :
WH-TWS-05DL

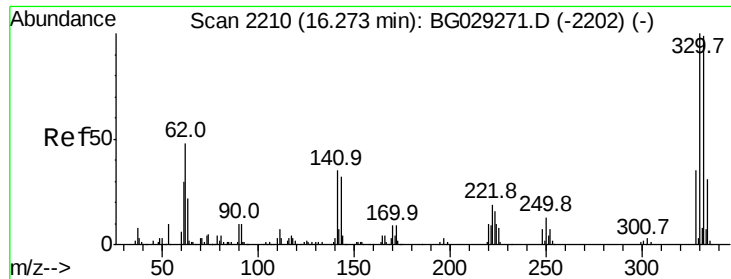
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	67.1	100.7
115	33.4	30.7	46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG029334.D
Acq: 18 Oct 2017 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	78.8	118.2
160	47.0	35.4	53.0

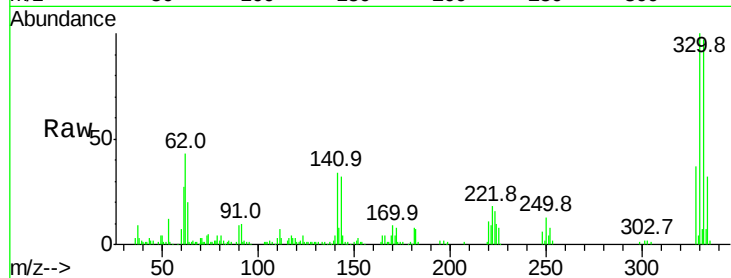




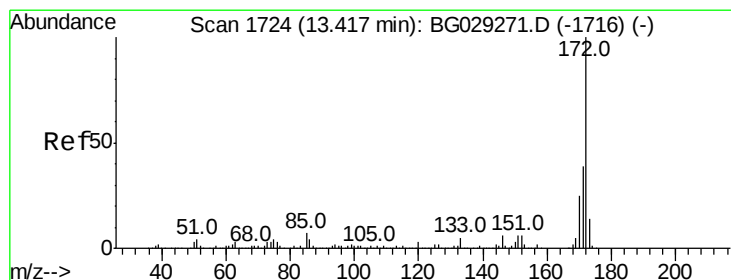
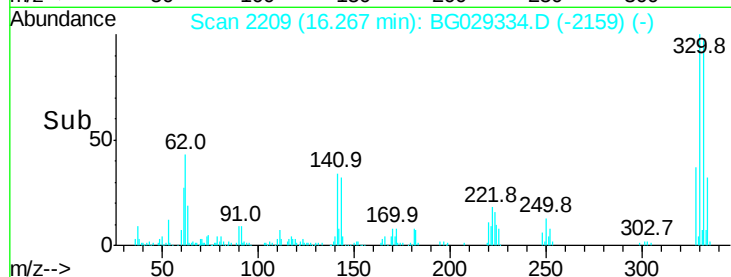
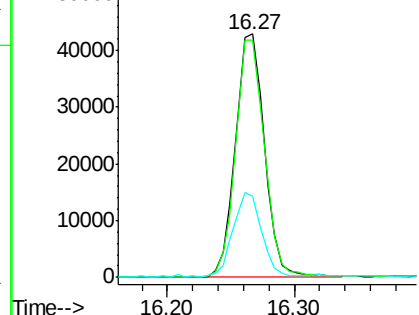
#41
 2,4,6-Tribromophenol
 Concen: 25.340 ng
 RT: 16.27 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BG029334.D
 Acq: 18 Oct 2017 15:08

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-05DL

Tot Ion:330 Resp: 68139
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.0 115.6
 141 34.4 25.2 37.8

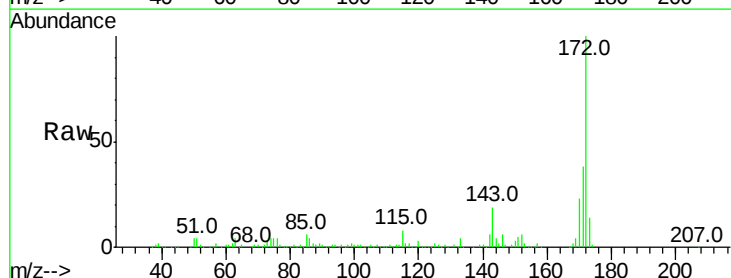


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

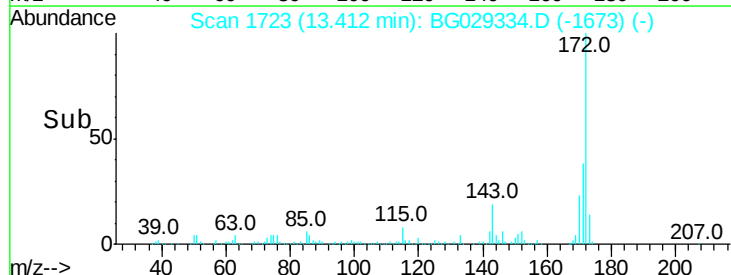
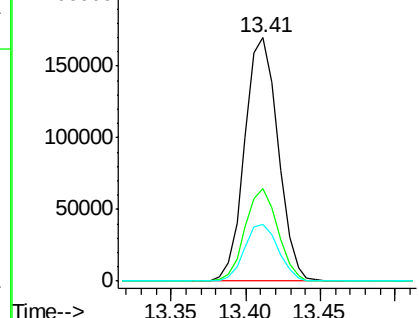


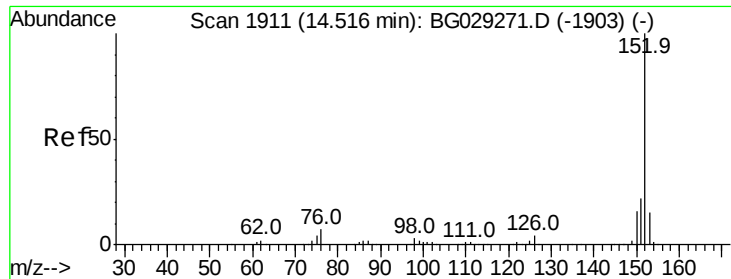
#44
 2-Fluorobiphenyl
 Concen: 18.546 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG029334.D
 Acq: 18 Oct 2017 15:08

Tgt Ion:172 Resp: 263357
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 23.4 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: 2.440 ng

RT: 14.51 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

Instrument :

BNA_G

ClientSampleId :

WH-TWS-05DL

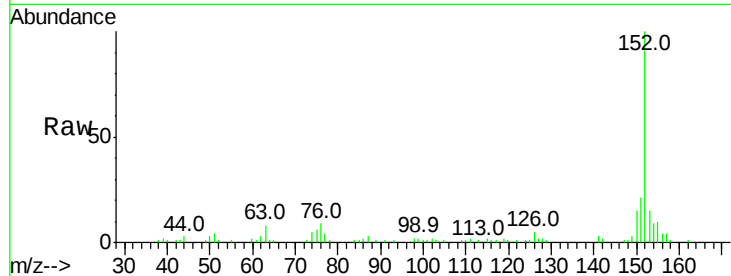
Tot Ion:152 Resp: 49857

Ion Ratio Lower Upper

152 100

151 20.7 17.2 25.8

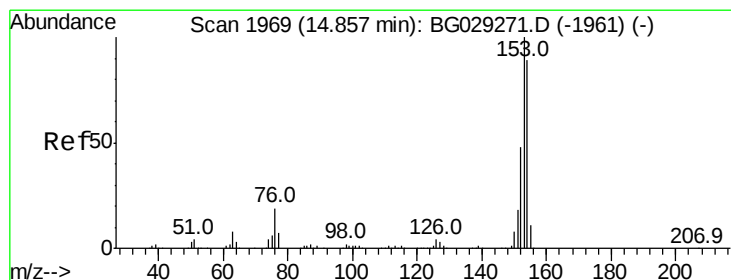
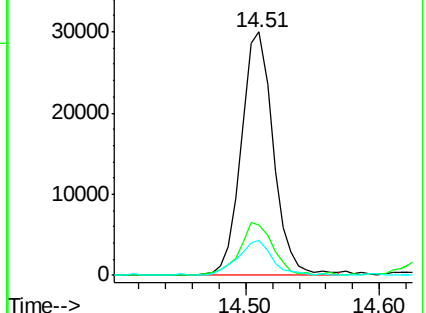
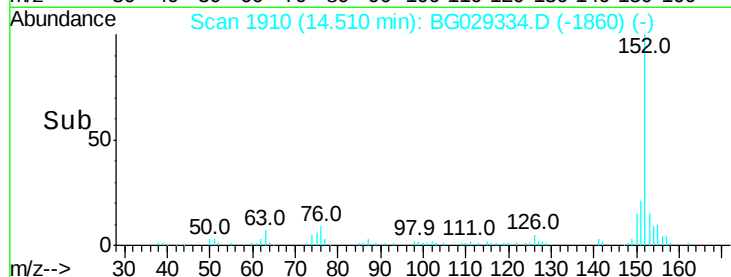
153 14.6 10.2 15.4



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: 4.613 ng

RT: 14.85 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

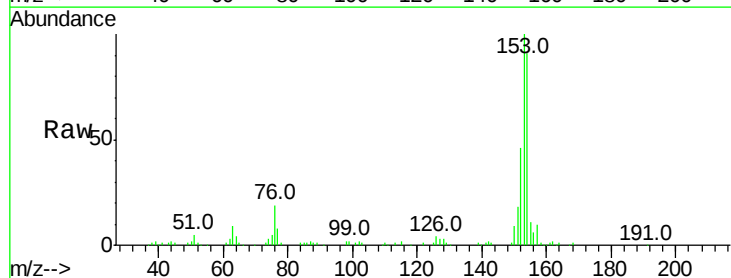
Tgt Ion:154 Resp: 61339

Ion Ratio Lower Upper

154 100

153 109.5 90.4 135.6

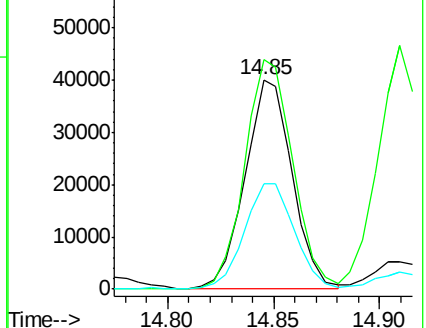
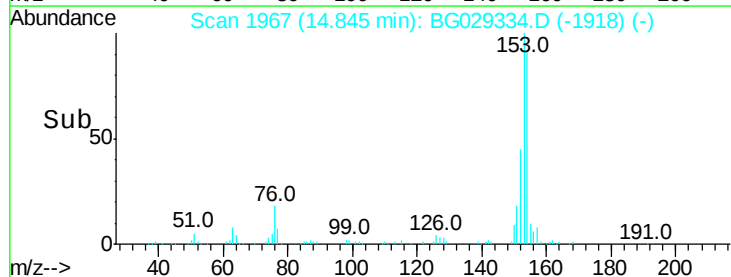
152 50.5 41.6 62.4

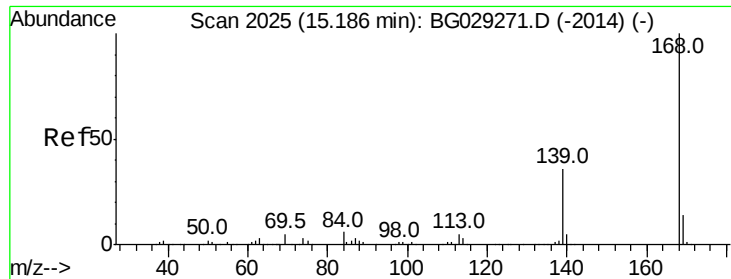


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 5.910 ng

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

Instrument :

BNA_G

ClientSampleId :

WH-TWS-05DL

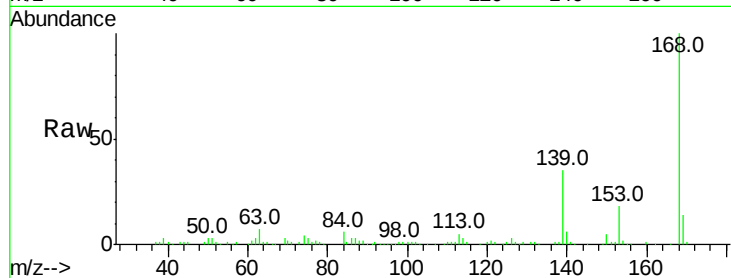
Tot Ion:168 Resp: 112186

Ion Ratio Lower Upper

168 100

139 35.5 28.6 43.0

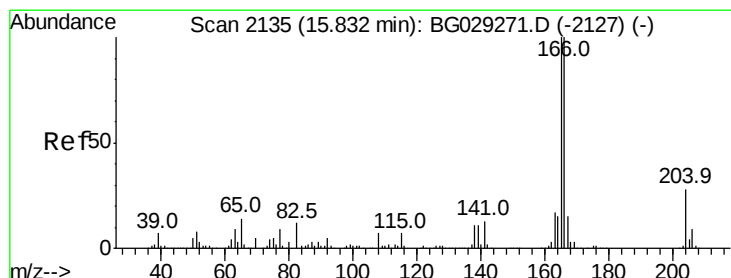
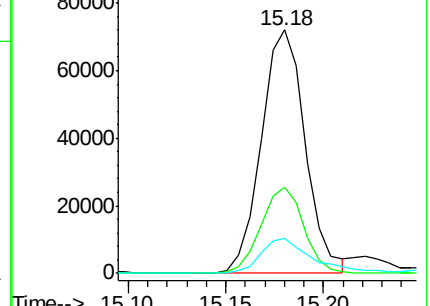
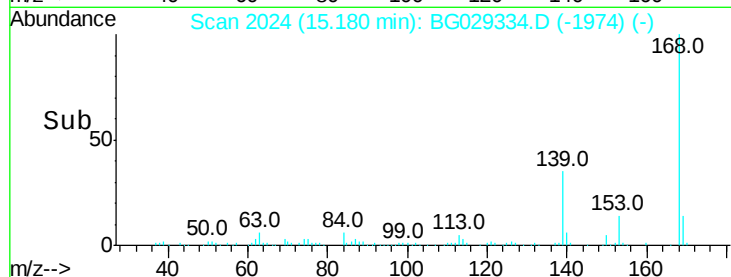
169 14.3 11.2 16.8



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: 4.425 ng

RT: 15.83 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

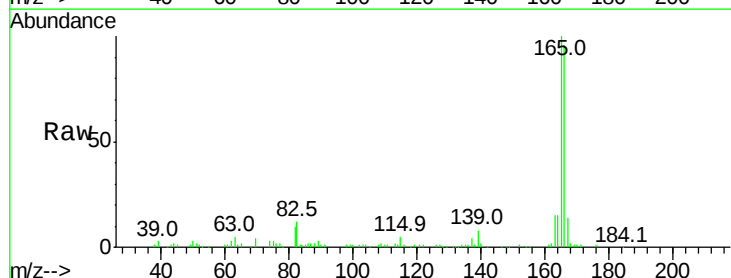
Tgt Ion:166 Resp: 69382

Ion Ratio Lower Upper

166 100

165 103.7 80.6 121.0

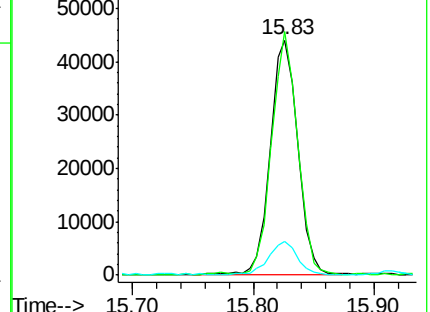
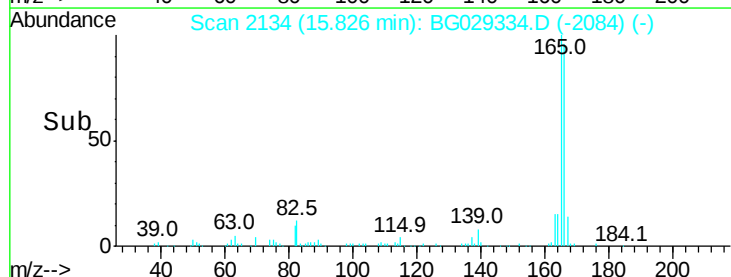
167 14.4 10.4 15.6

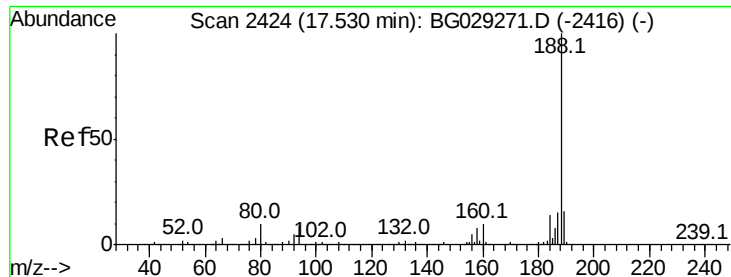


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

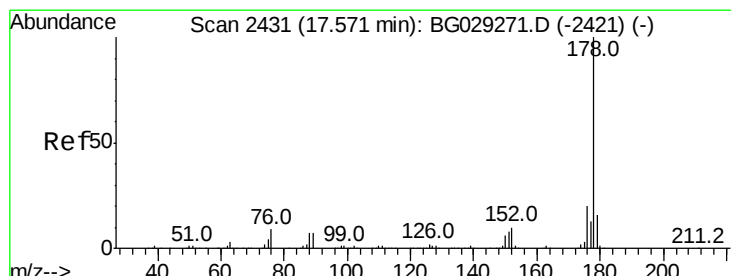
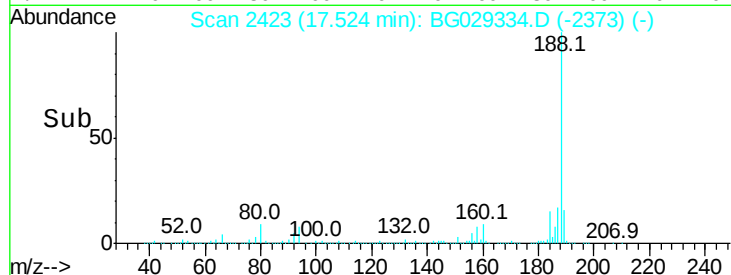
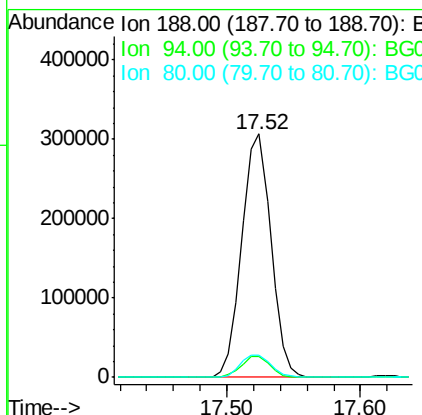
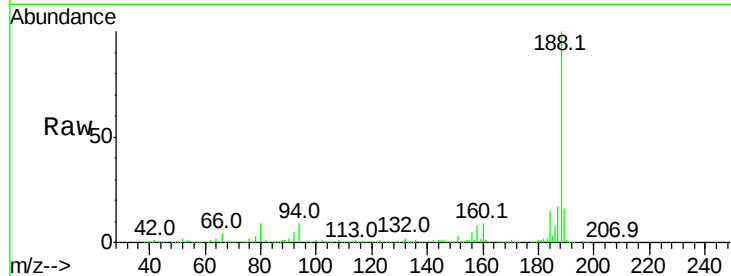




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG029334.D
 Acq: 18 Oct 2017 15:08

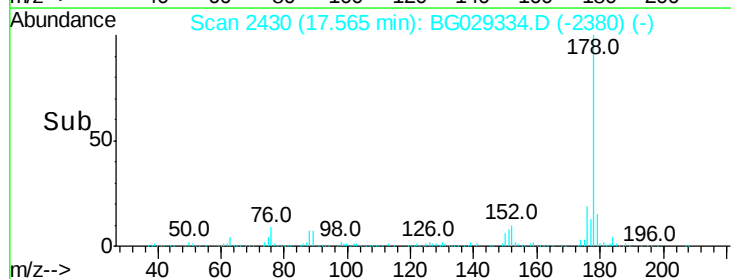
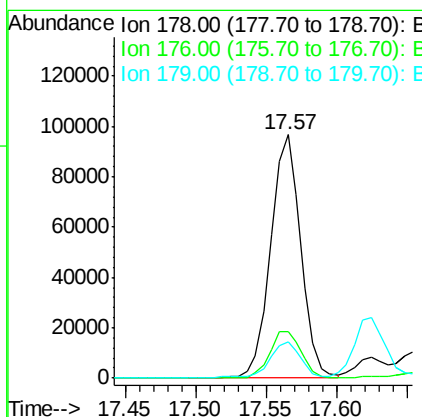
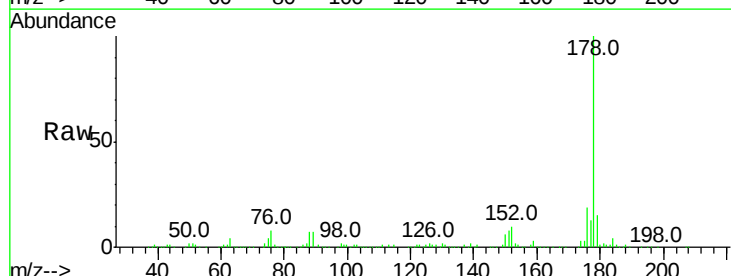
Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-05DL

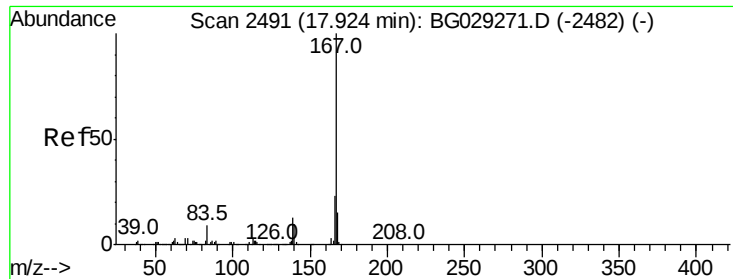
Tot Ion:188 Resp: 463772
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.9 10.3
 80 9.2 7.7 11.5



#70
 Phenanthrene
 Concen: 6.019 ng
 RT: 17.57 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG029334.D
 Acq: 18 Oct 2017 15:08

Tgt Ion:178 Resp: 144216
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.7 23.5
 179 14.9 12.5 18.7





#72

Carbazole

Concen: 7.710 ng

RT: 17.92 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

Instrument :

BNA_G

ClientSampleId :

WH-TWS-05DL

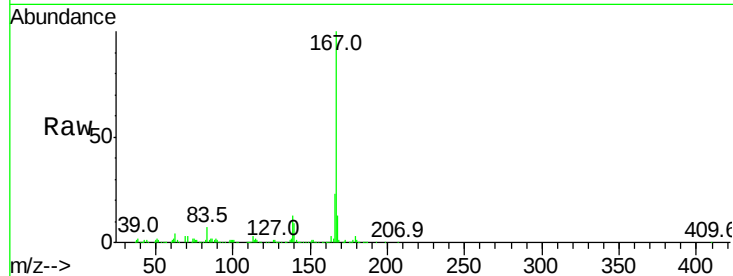
Tot Ion:167 Resp: 178175

Ion Ratio Lower Upper

167 100

166 23.3 18.2 27.4

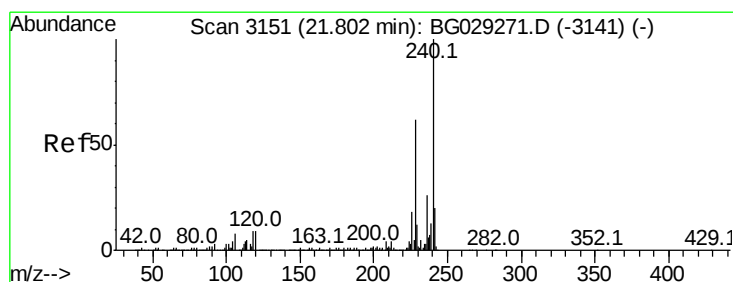
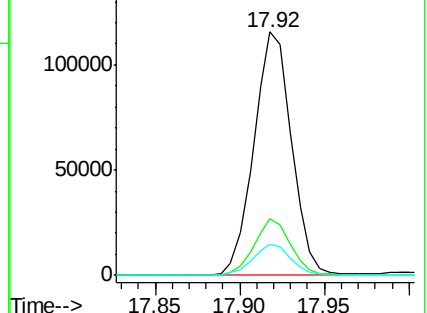
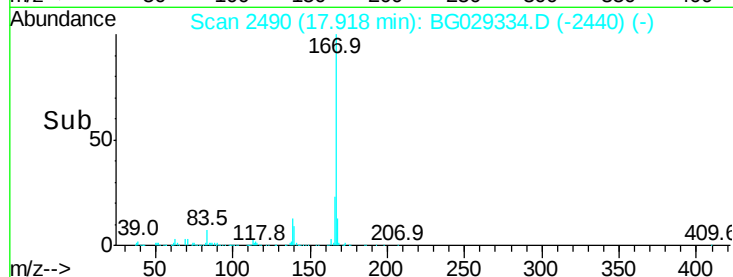
139 12.9 9.4 14.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

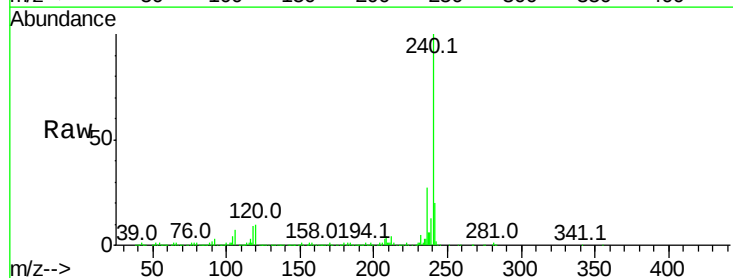
Tgt Ion:240 Resp: 503483

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

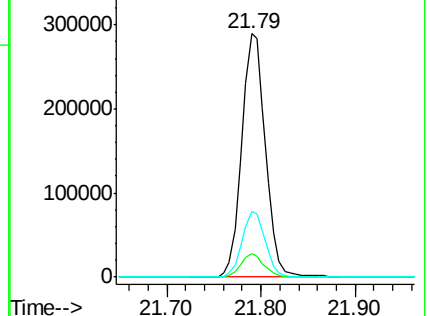
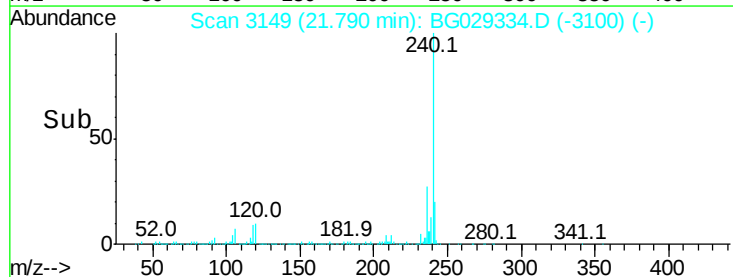
236 27.1 20.9 31.3

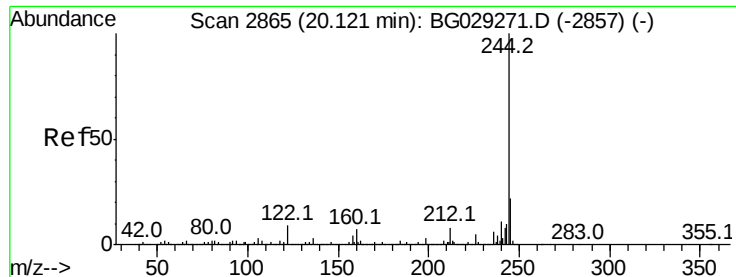


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 18.340 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

Instrument :

BNA_G

ClientSampleId :

WH-TWS-05DL

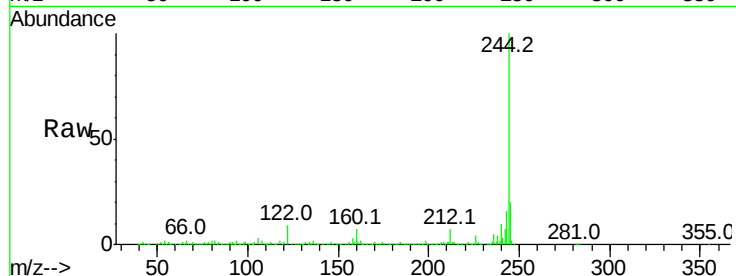
Tot Ion:244 Resp: 405902

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

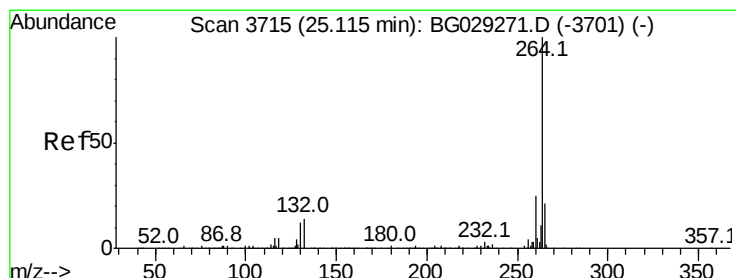
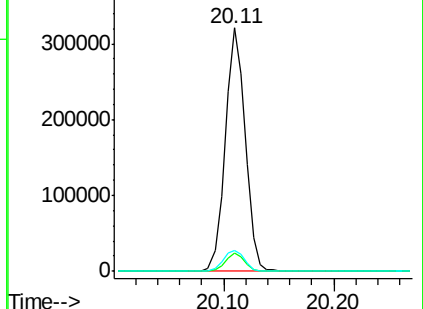
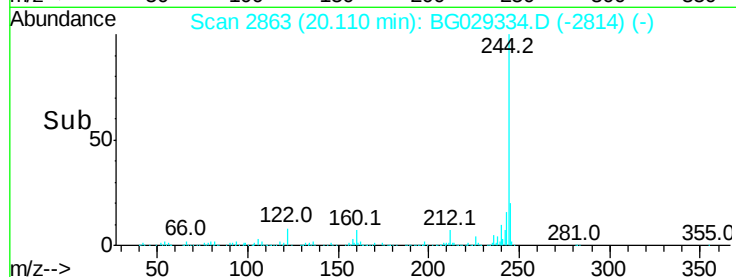
122 8.5 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG029334.D

Acq: 18 Oct 2017 15:08

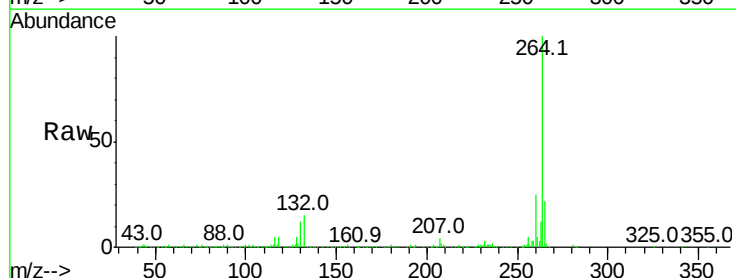
Tgt Ion:264 Resp: 501037

Ion Ratio Lower Upper

264 100

260 25.2 17.4 26.0

265 21.7 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

