

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 16:52:32 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

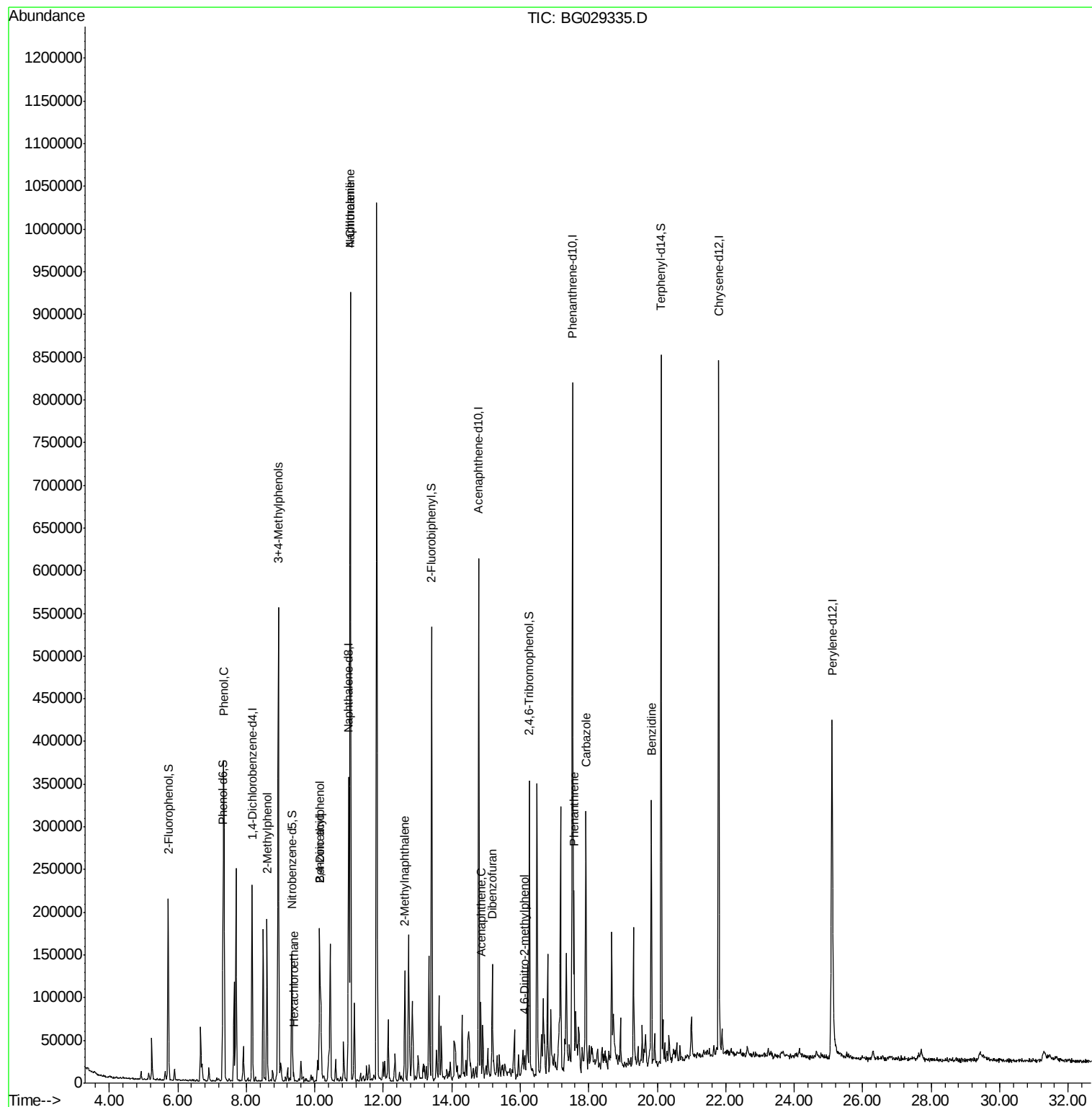
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.35	94	217520	36.492	ng	90
17) 2-Methylphenol	8.60	107	61113	15.434	ng	98
18) Hexachloroethane	9.38	117	4527	2.567	ng	# 1
20) 3+4-Methylphenols	8.93	107	247771	44.409	ng	92
27) 2,4-Dimethylphenol	10.14	122	87810	17.767	ng	98
31) Naphthalene	11.04	128	793474	49.286	ng	98
32) Benzoic acid	10.14	122	87810	21.219	ng	# 6
33) 4-Chloroaniline	11.04	127	108150	15.970	ng	# 30
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
64) 4,6-Dinitro-2-methylphenol	16.14	198	609	5.205	ng	# 1
70) Phenanthrene	17.56	178	114188	4.725	ng	99
72) Carbazole	17.92	167	182363	7.823	ng	99
76) Benzidine	19.83	184	84982	5.583	ng	# 93

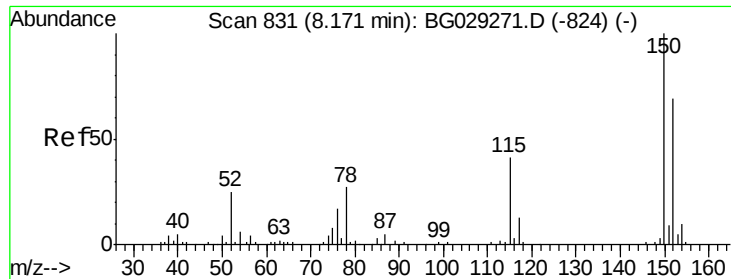
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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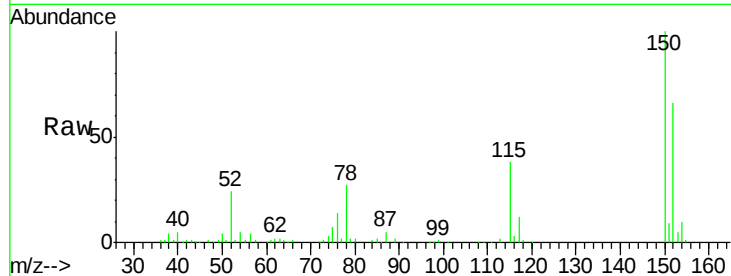


#1

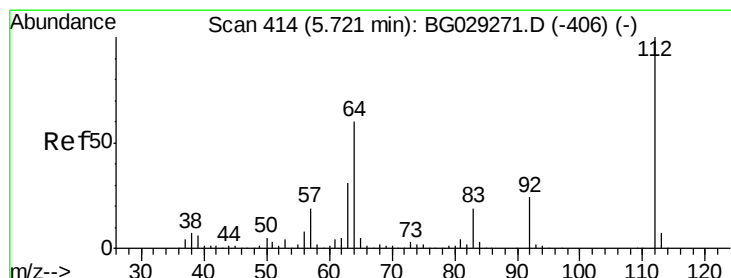
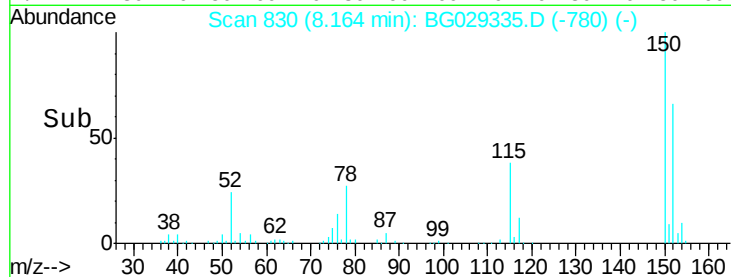
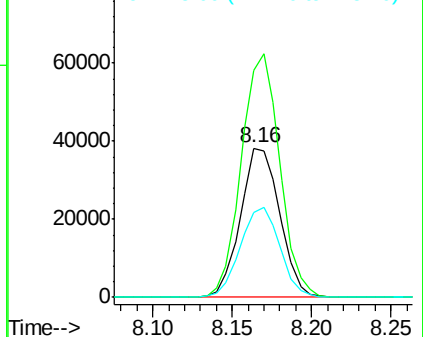
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 830
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

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



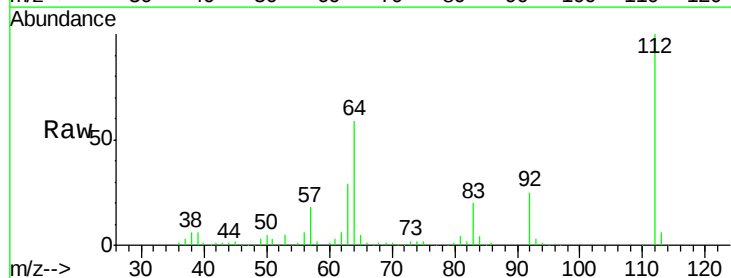
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



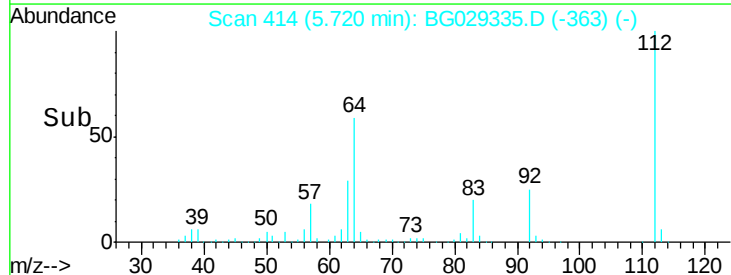
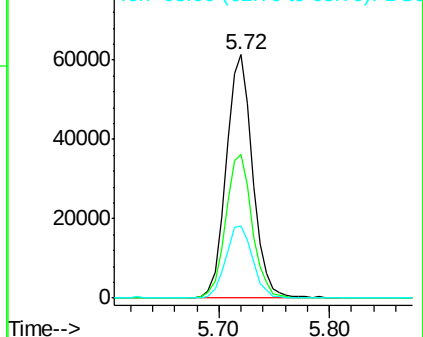
#5

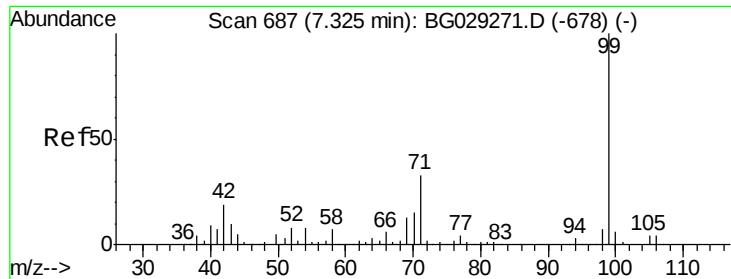
2-Fluorophenol
Concen: 26.051 ng
RT: 5.72 min Scan# 414
Delta R.T. -0.00 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

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

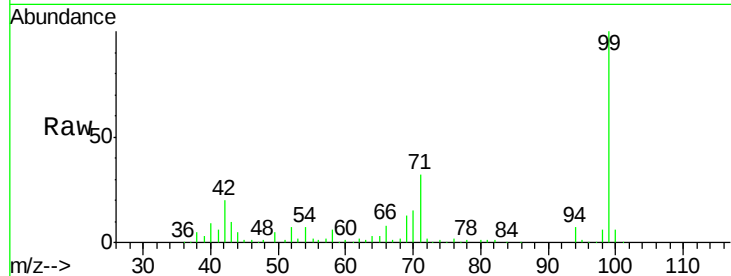
Tgt Ion: 99 Resp: 136413

Ion Ratio Lower Upper

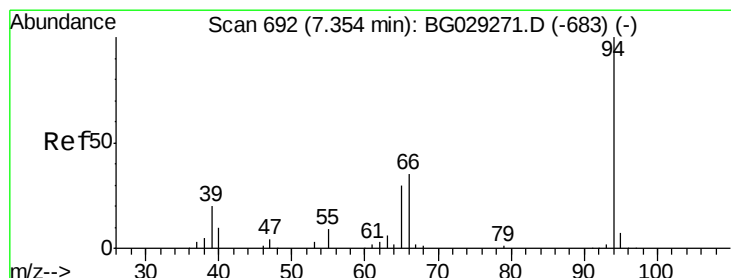
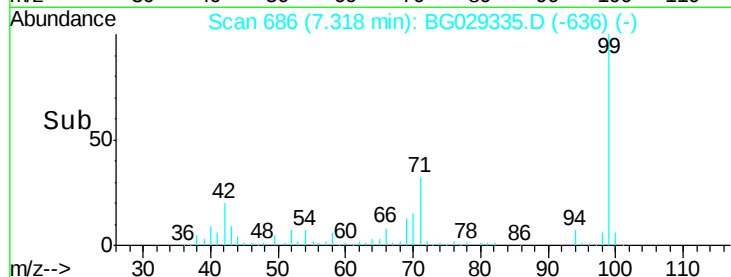
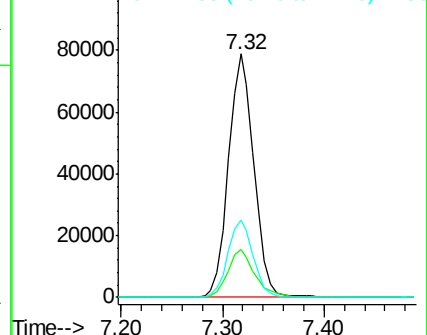
99 100

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

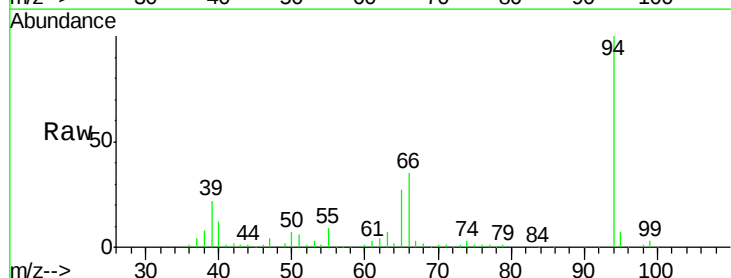
Tgt Ion: 94 Resp: 217520

Ion Ratio Lower Upper

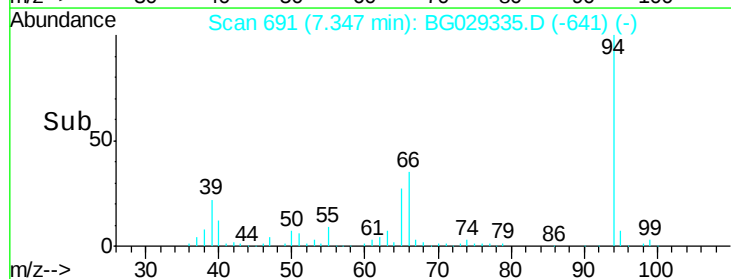
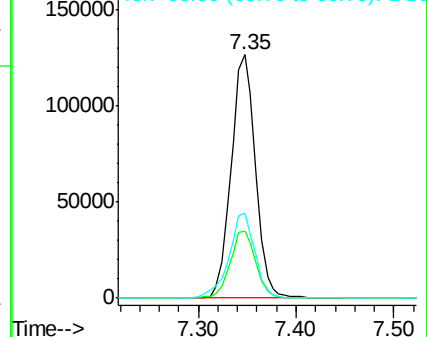
94 100

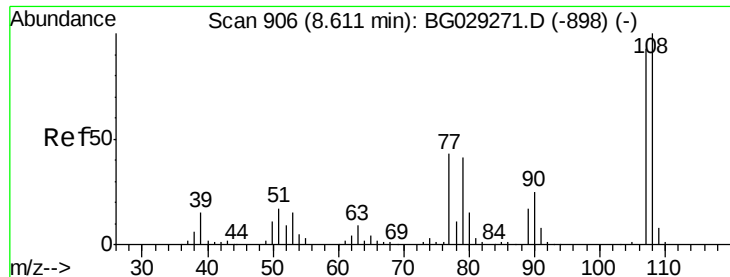
65 27.4 11.9 51.9

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

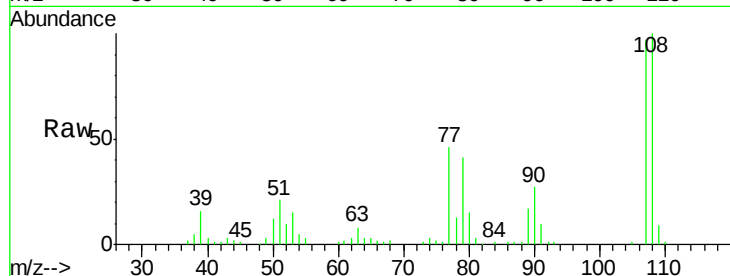




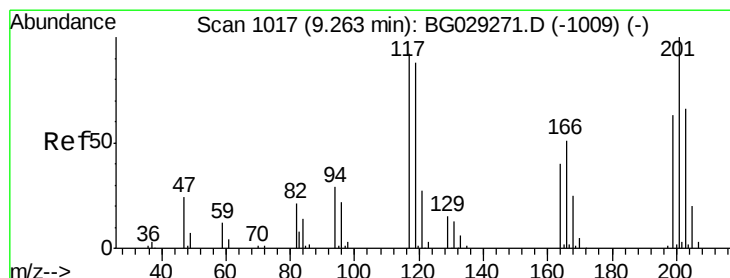
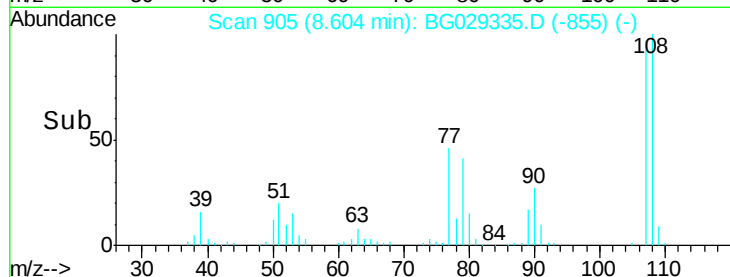
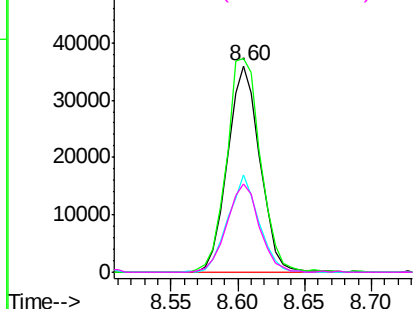
#17
2-Methylphenol
Concen: 15.434 ng
RT: 8.60 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

Tgt 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

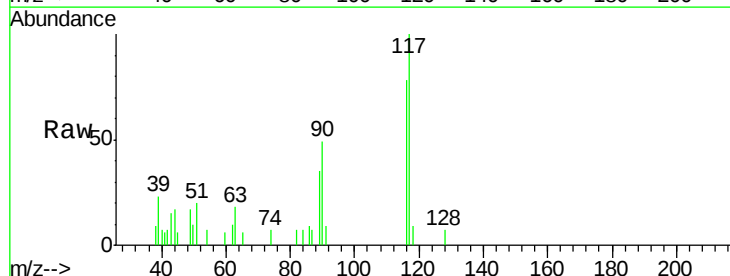


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

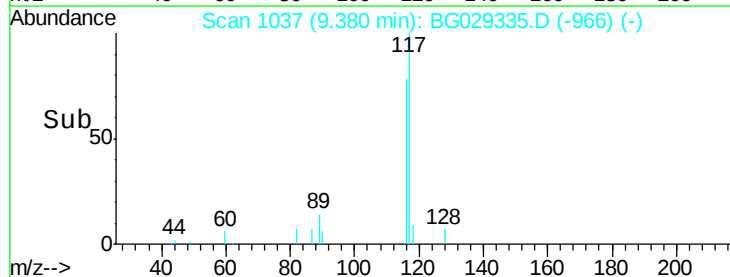
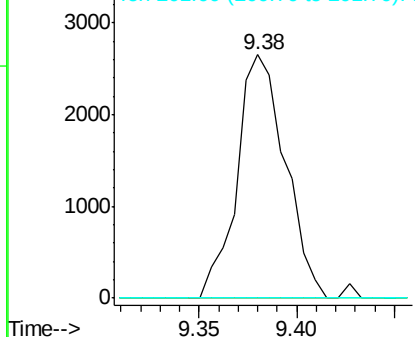


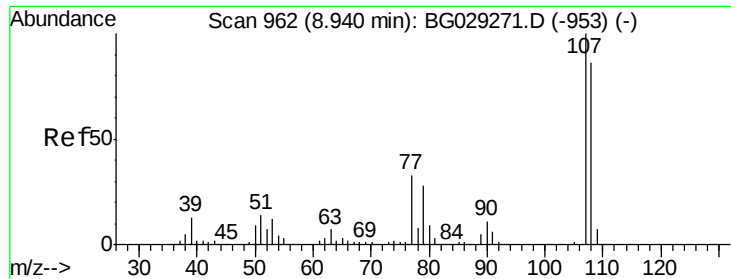
#18
Hexachloroethane
Concen: 2.567 ng
RT: 9.38 min Scan# 1037
Delta R.T. 0.12 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Tgt Ion:117 Resp: 4527
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
201 0.0 95.7 143.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

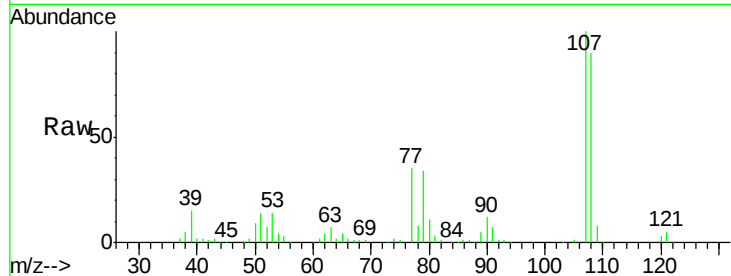




#20
 3+4-Methylphenols
 Concen: 44.409 ng
 RT: 8.93 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: BG029335.D
 Acq: 18 Oct 2017 15:47

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-06DL

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



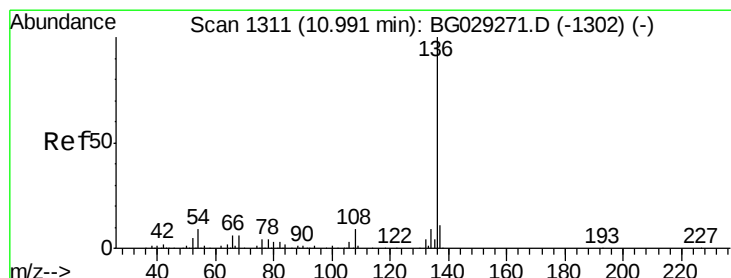
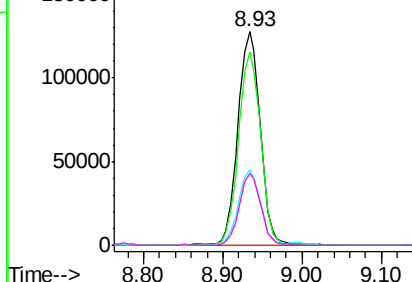
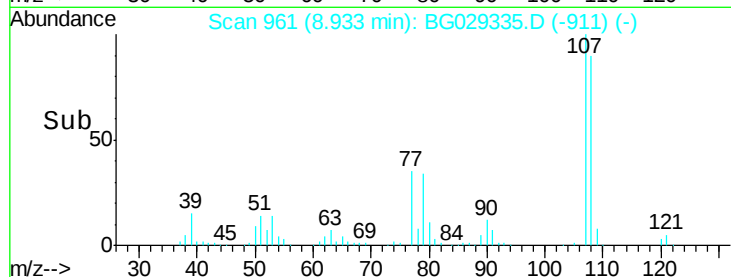
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

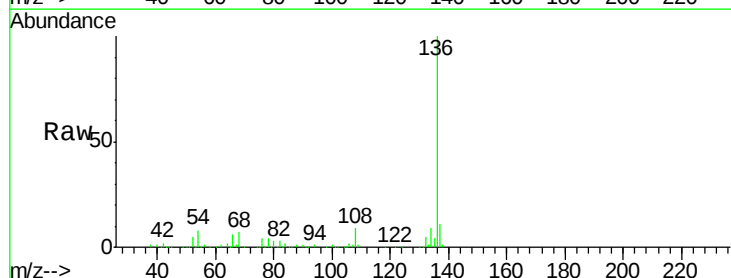
Ion 77.00 (76.70 to 77.70): BGC

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

Tgt 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



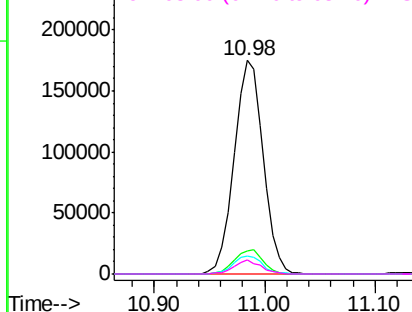
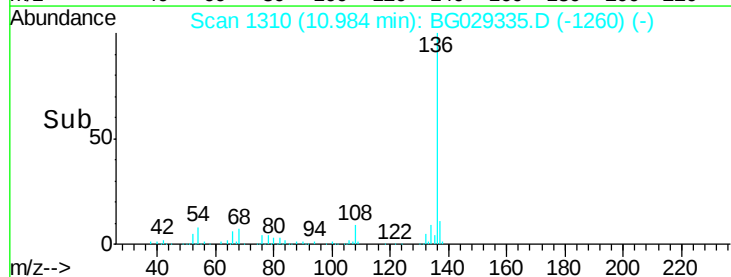
Abundance

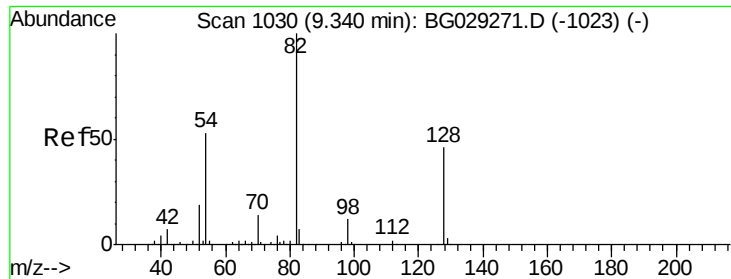
Ion 136.00 (135.70 to 136.70): E

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

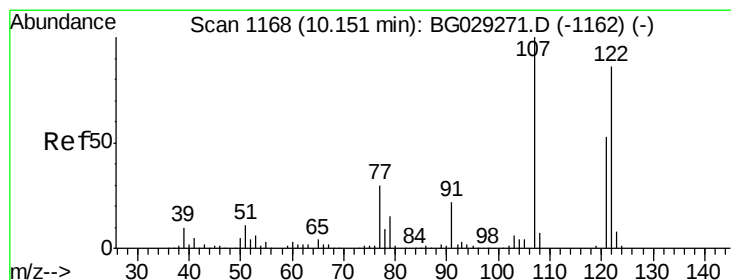
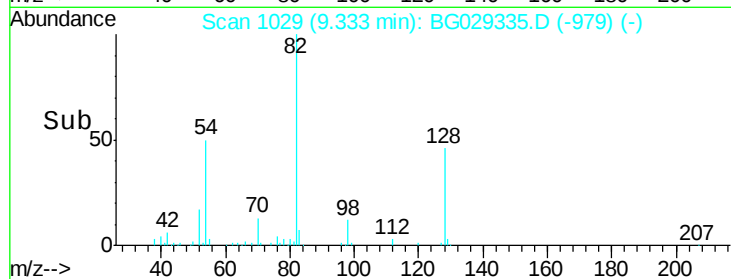
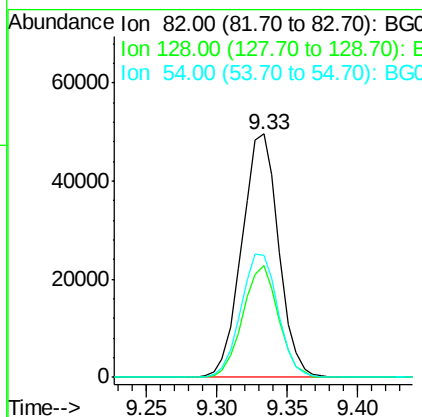
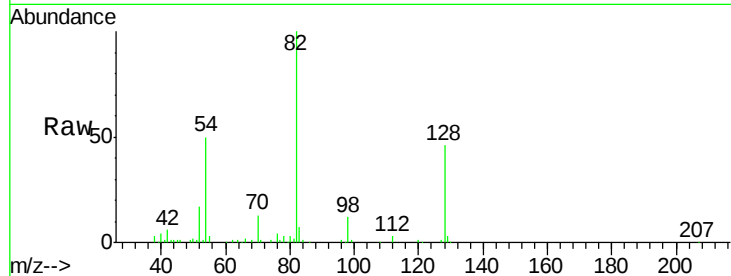




#23
 Nitrobenzene-d5
 Concen: 17.838 ng
 RT: 9.33 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG029335.D
 Acq: 18 Oct 2017 15:47

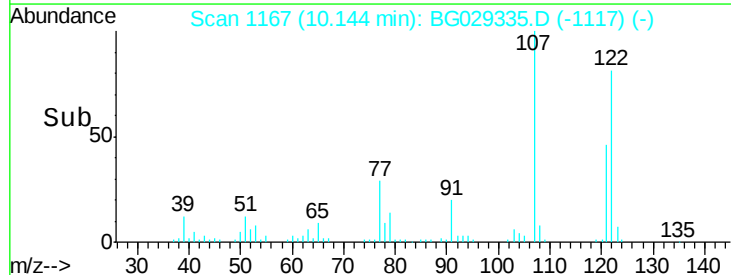
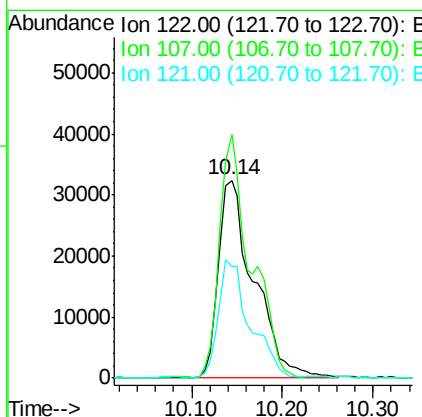
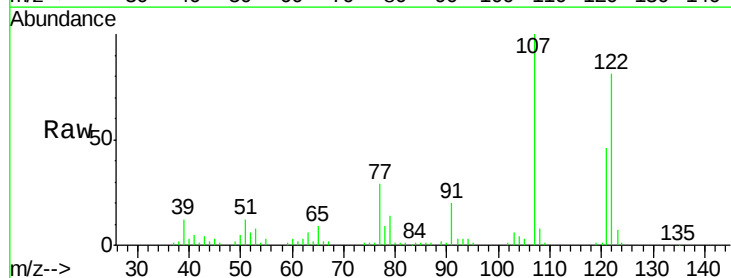
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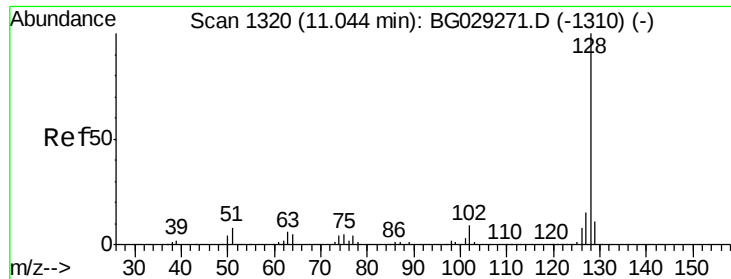
Tgt Ion: 82 Resp: 90675
 Ion Ratio Lower Upper
 82 100
 128 45.8 29.7 44.5#
 54 50.3 43.1 64.7



#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

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

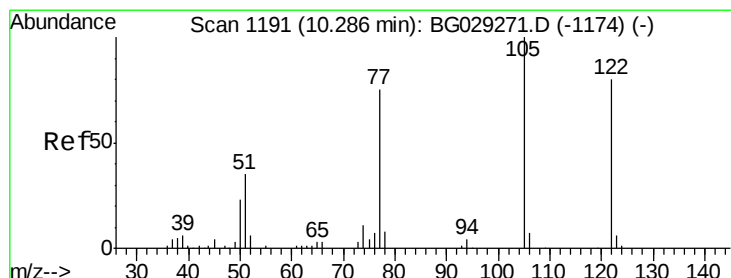
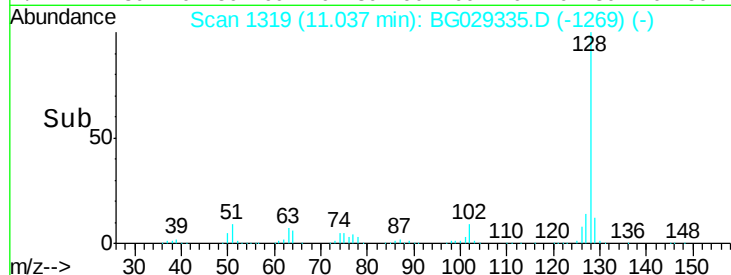
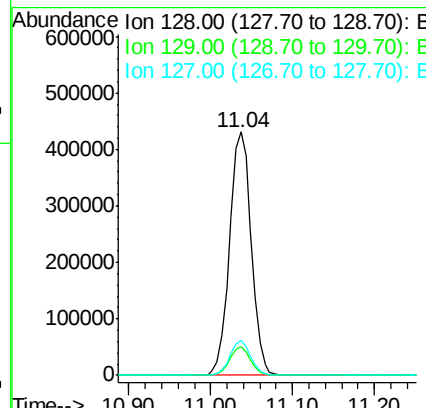
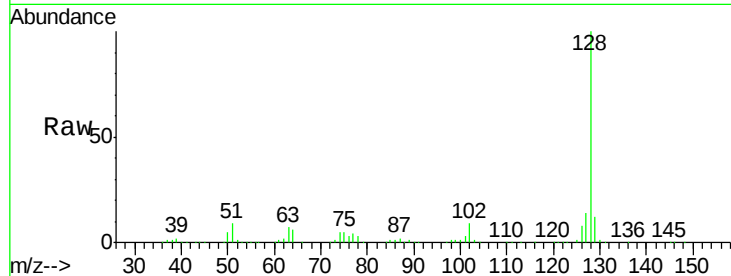




#31
Naphthalene
Concen: 49.286 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

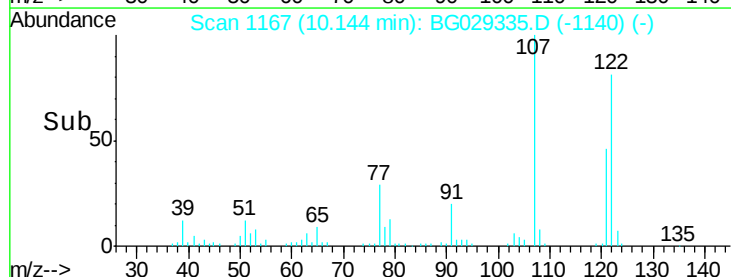
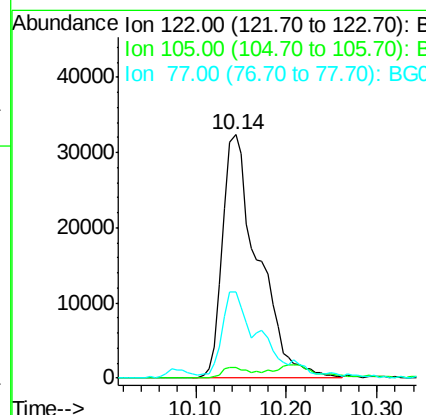
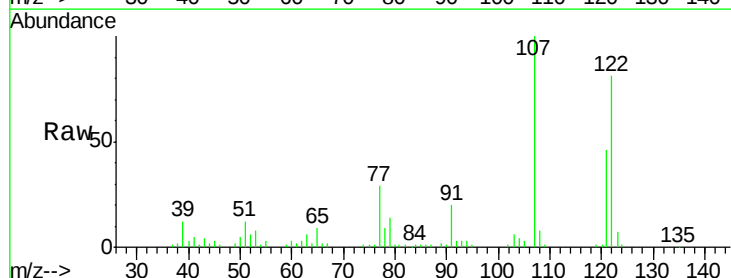
Instrument :
BNA_G
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WH-TWS-06DL

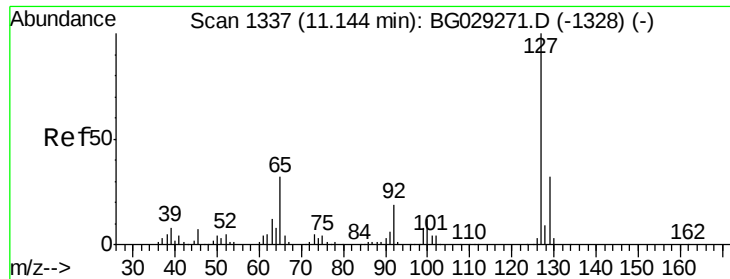
Tgt Ion:128 Resp: 793474
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 14.2 11.6 17.4



#32
Benzoic acid
Concen: 21.219 ng
RT: 10.14 min Scan# 1167
Delta R.T. -0.14 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Tgt Ion:122 Resp: 87810
Ion Ratio Lower Upper
122 100
105 4.2 123.5 163.5#
77 35.6 85.7 125.7#

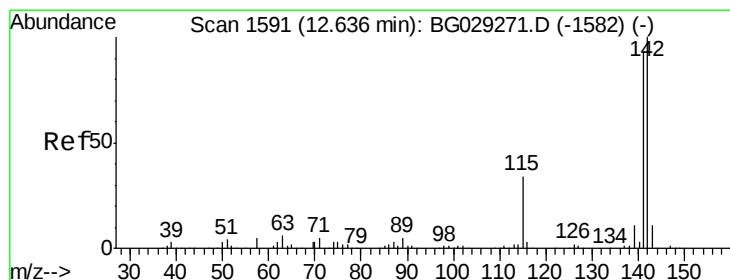
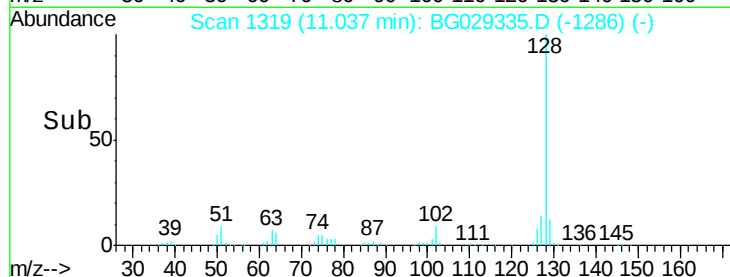
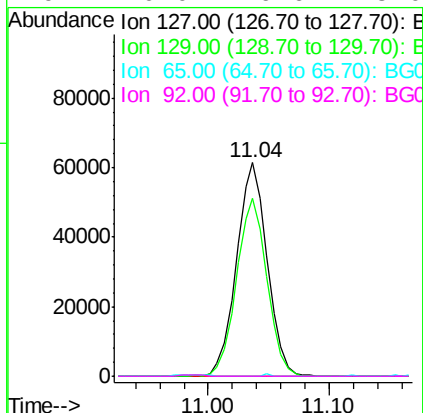
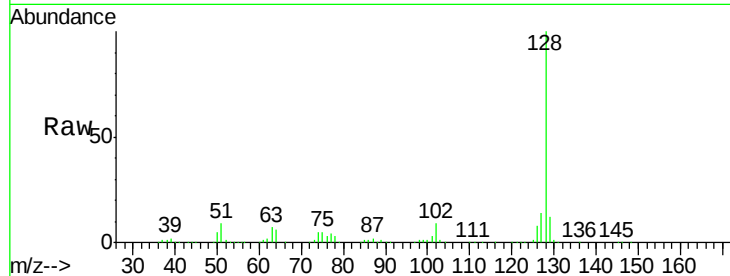




#33
4-Chloroaniline
Concen: 15.970 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.11 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

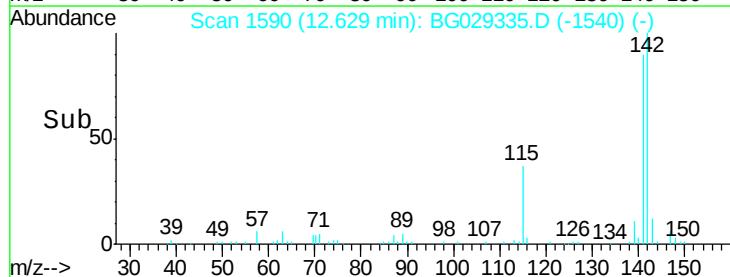
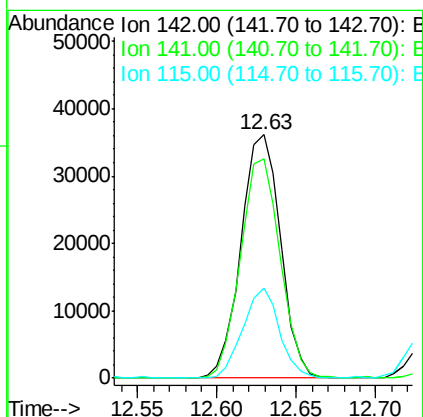
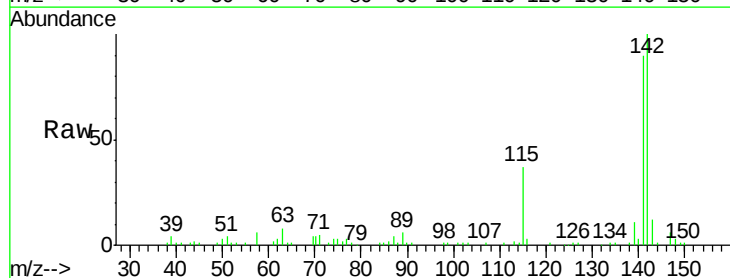
Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

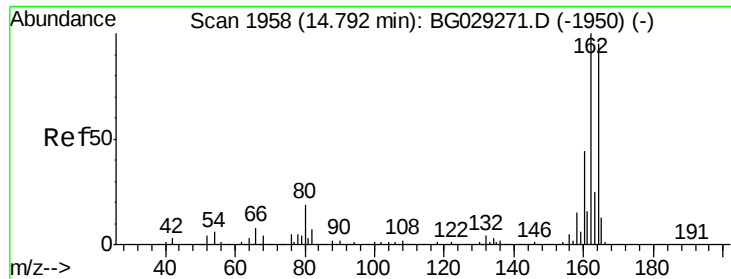
Tgt Ion:	127	Resp:	108150
Ion	Ratio	Lower	Upper
127	100		
129	83.5	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#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

Tgt Ion:	142	Resp:	62691
Ion	Ratio	Lower	Upper
142	100		
141	90.1	67.1	100.7
115	36.8	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: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

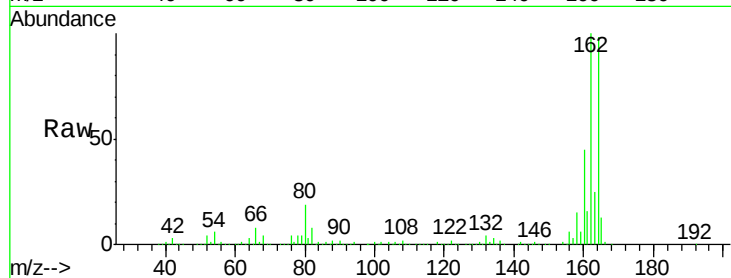
Tgt Ion:164 Resp: 211100

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

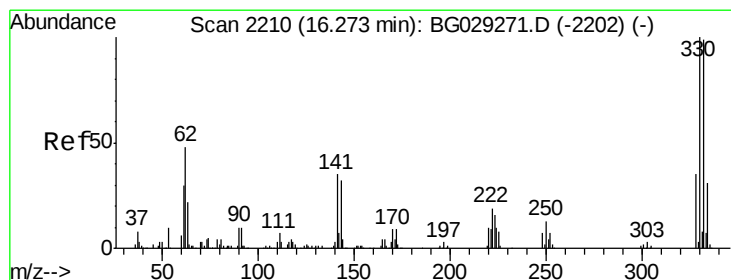
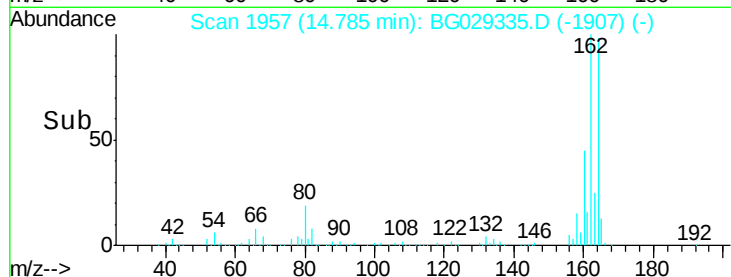
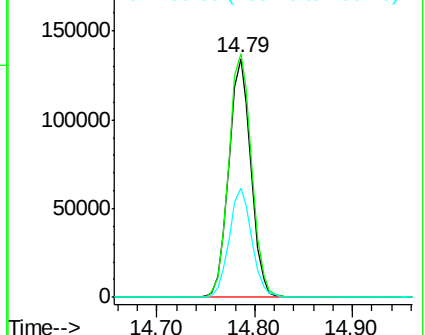
160 45.9 35.4 53.0



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

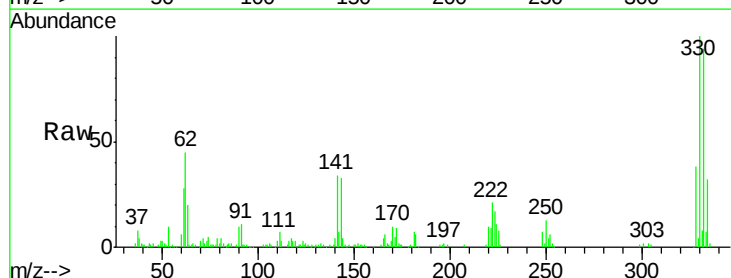
Tgt Ion:330 Resp: 66919

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

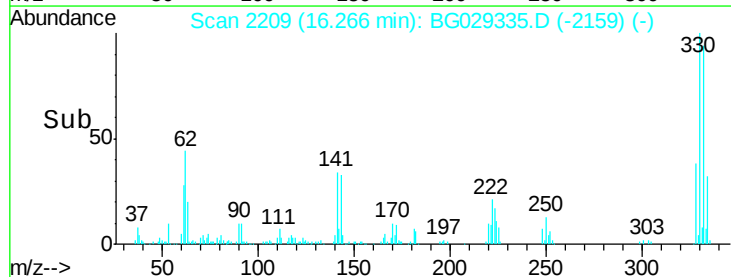
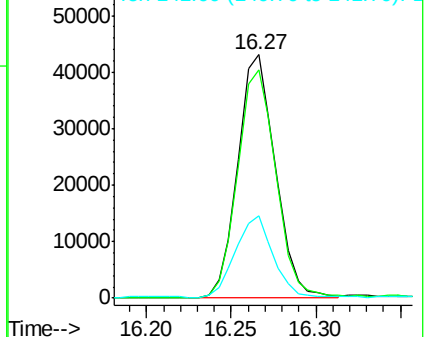
141 33.3 25.2 37.8

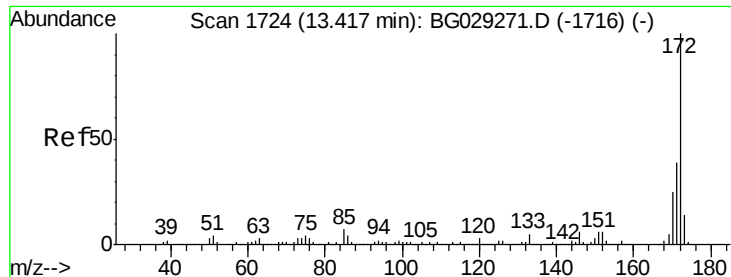


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

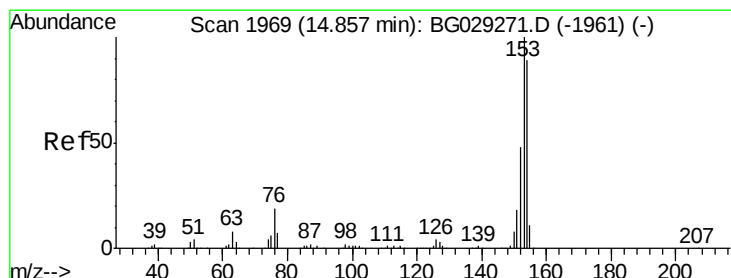
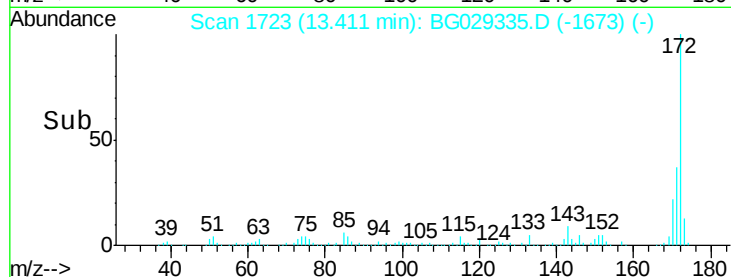
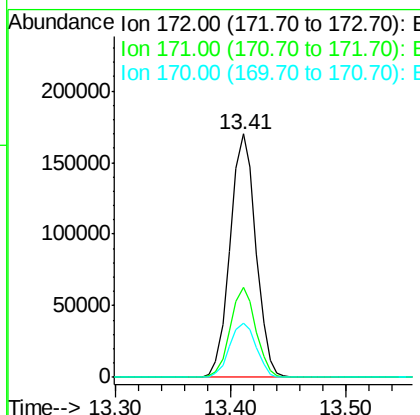
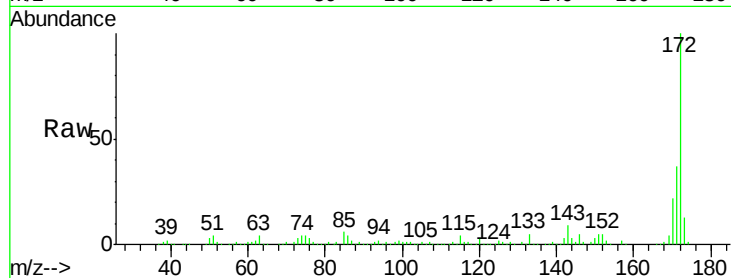




#44
2-Fluorobiphenyl
Concen: 18.227 ng
RT: 13.41 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

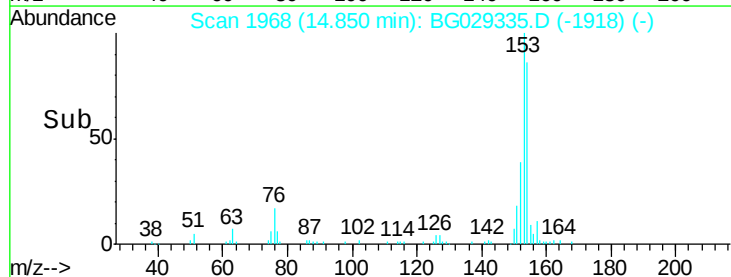
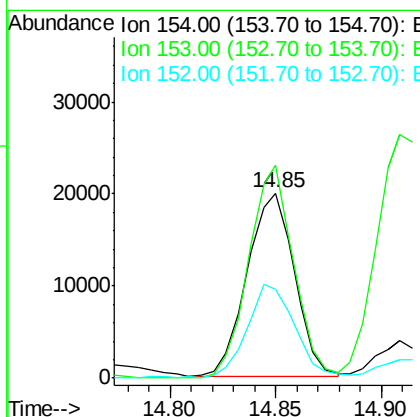
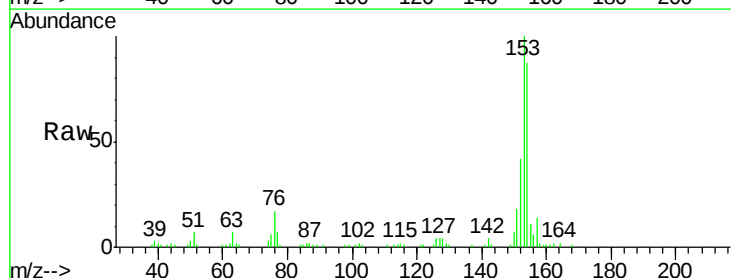
Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

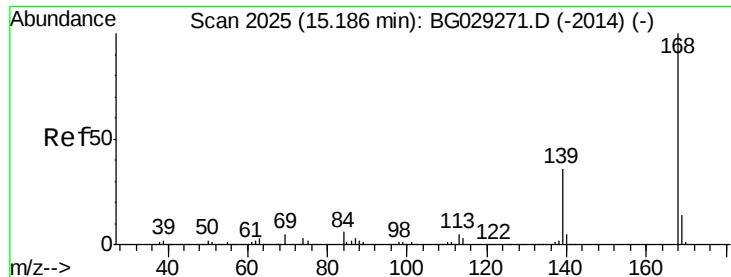
Tgt Ion:172 Resp: 262348
Ion Ratio Lower Upper
172 100
171 37.2 30.0 45.0
170 22.5 19.5 29.3



#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

Tgt Ion:154 Resp: 31111
Ion Ratio Lower Upper
154 100
153 114.7 90.4 135.6
152 48.0 41.6 62.4

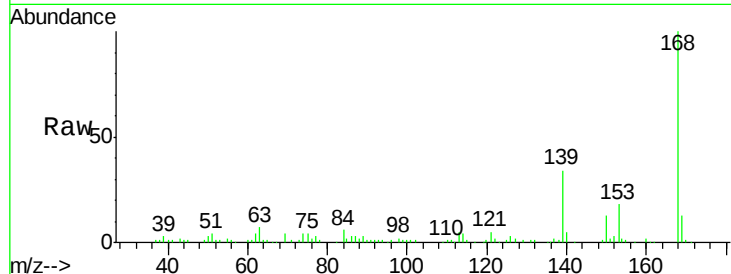




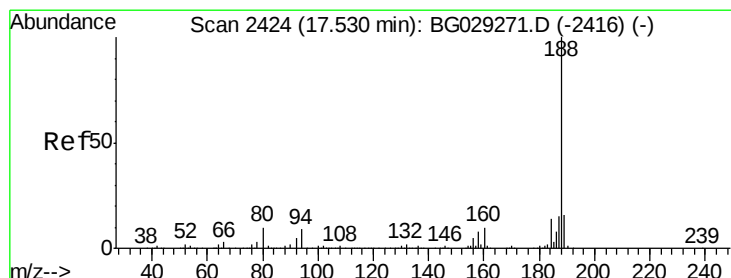
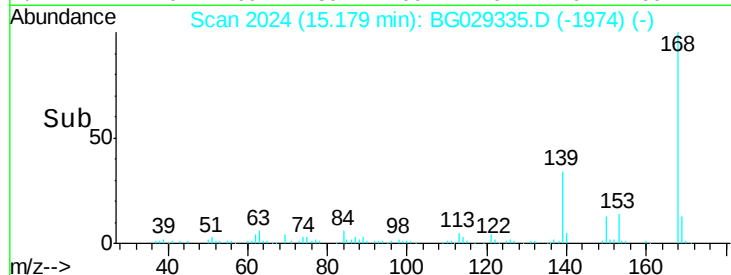
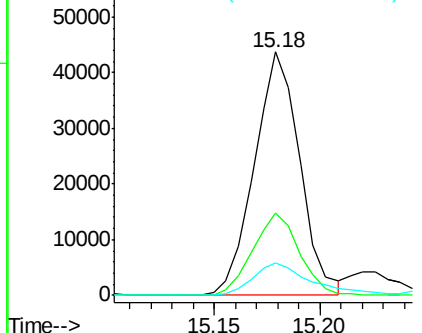
#54
Dibenzenofuran
Concen: 3.393 ng
RT: 15.18 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

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

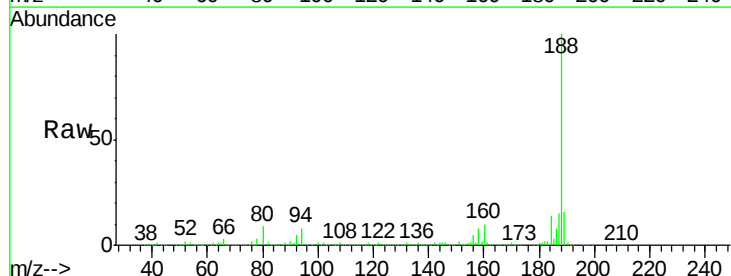


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

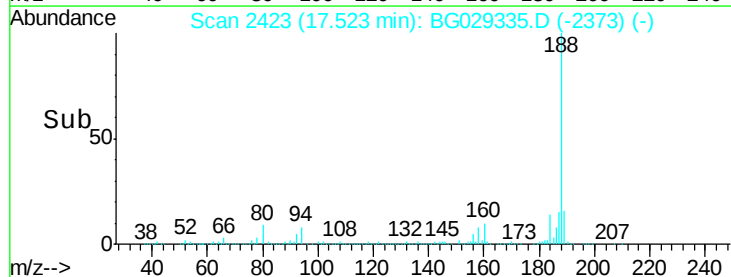
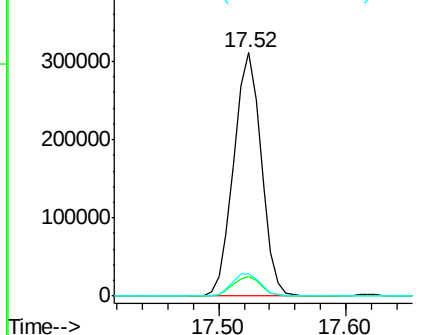


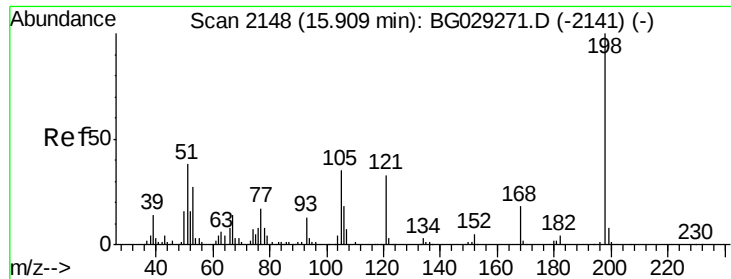
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG029335.D
Acq: 18 Oct 2017 15:47

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



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





#64

4,6-Dinitro-2-methylphenol

Concen: 5.205 ng

RT: 16.14 min Scan# 2187

Delta R.T. 0.23 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

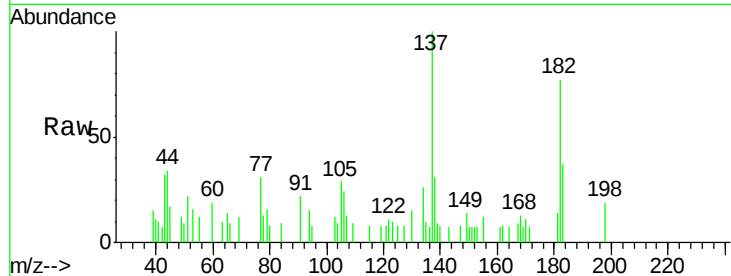
Tgt Ion:198 Resp: 609

Ion Ratio Lower Upper

198 100

51 116.4 30.6 70.6#

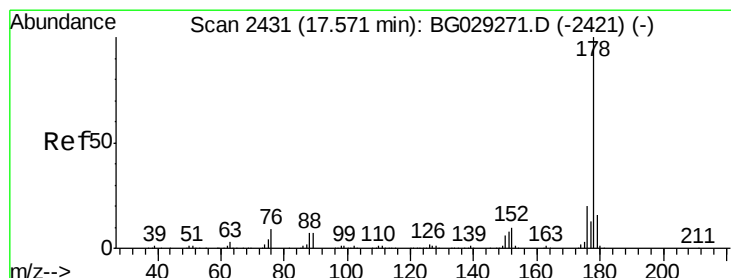
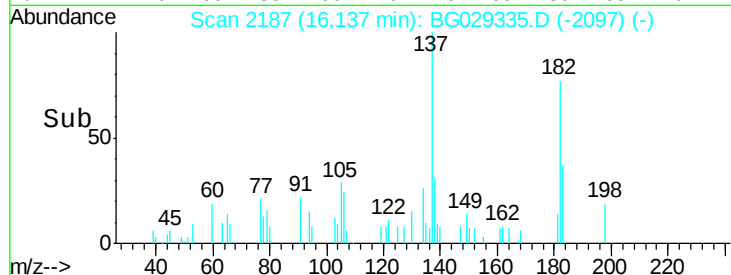
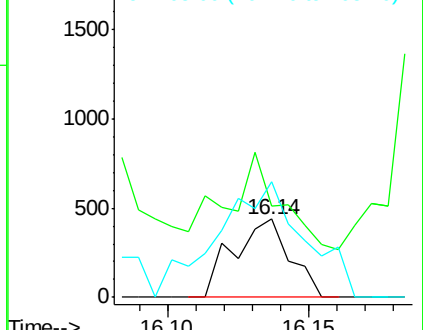
105 148.6 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#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

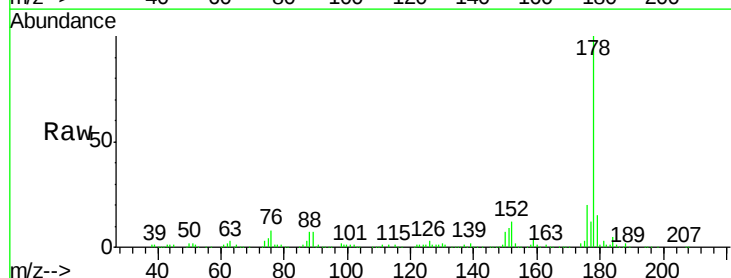
Tgt Ion:178 Resp: 114188

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

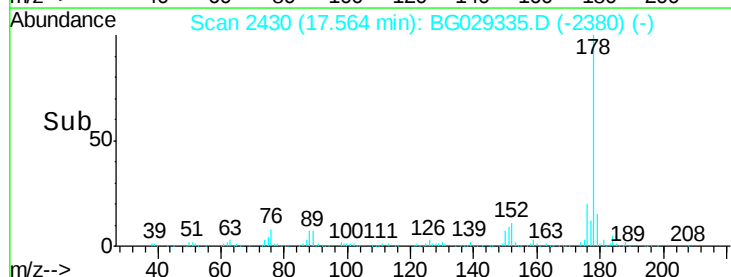
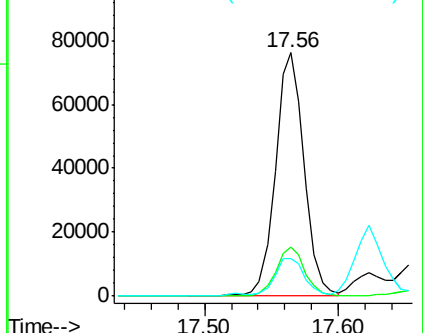
179 15.4 12.5 18.7

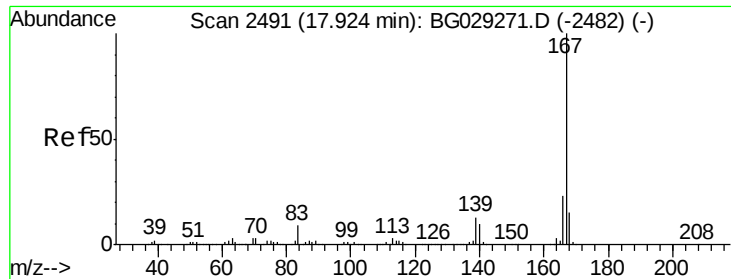


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 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

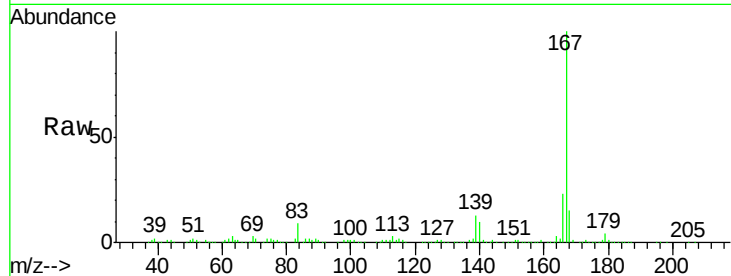
Tgt Ion:167 Resp: 182363

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.4

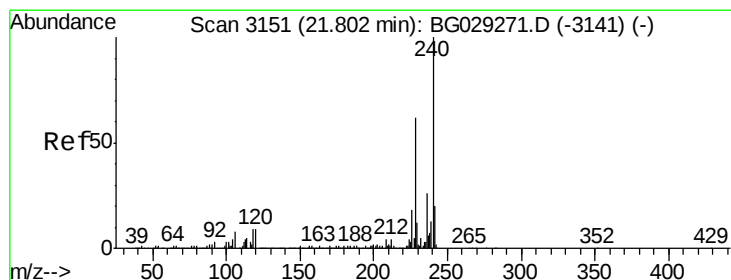
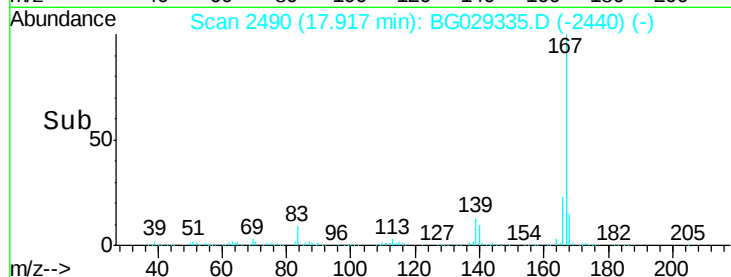
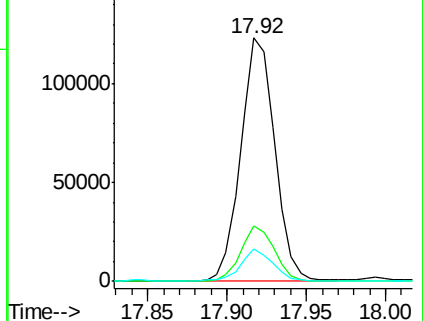
139 13.1 9.4 14.2



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



#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

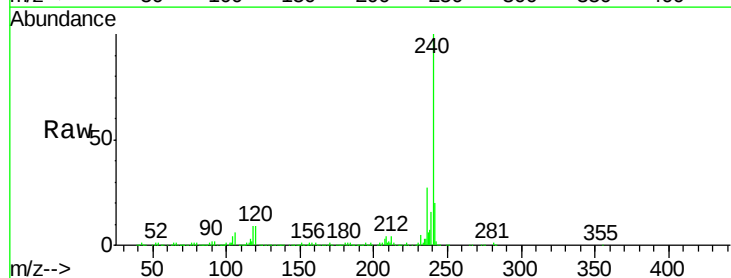
Tgt Ion:240 Resp: 504146

Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

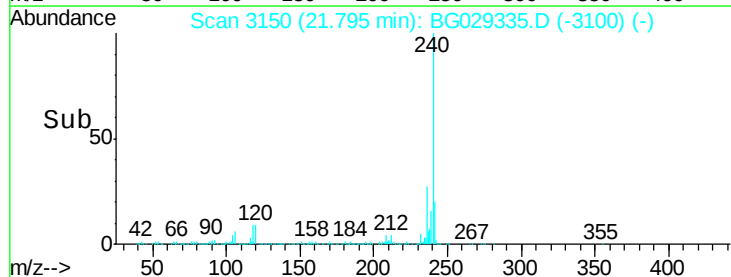
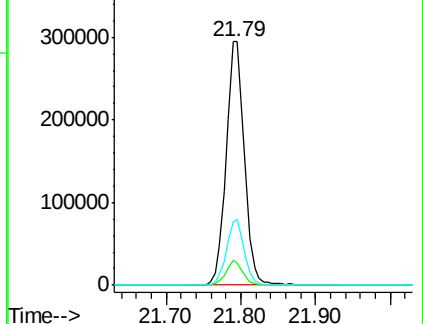
236 26.9 20.9 31.3

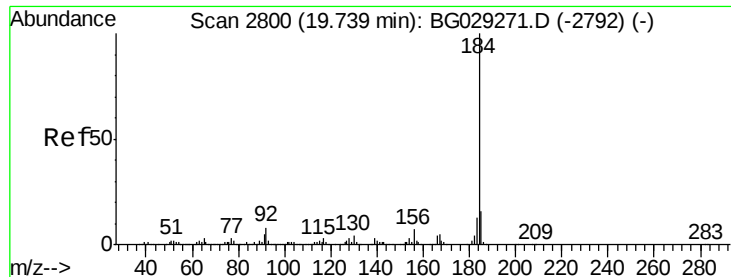


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 5.583 ng

RT: 19.83 min Scan# 2815

Delta R.T. 0.09 min

Lab File: BG029335.D

Acq: 18 Oct 2017 15:47

Instrument :

BNA_G

ClientSampleId :

WH-TWS-06DL

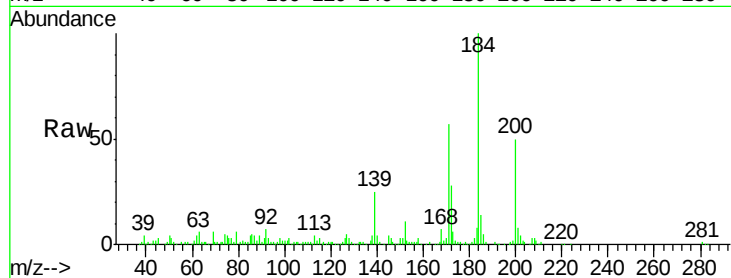
Tgt Ion:184 Resp: 84982

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

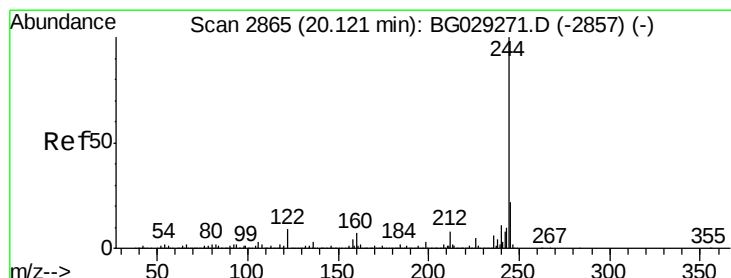
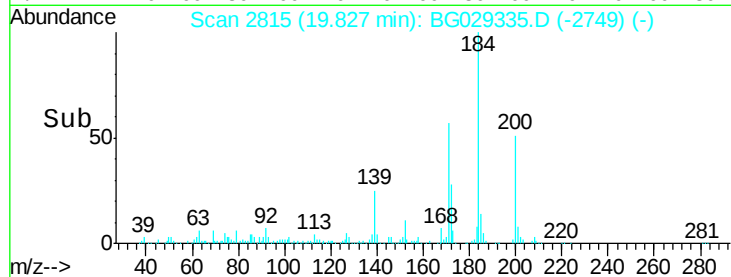
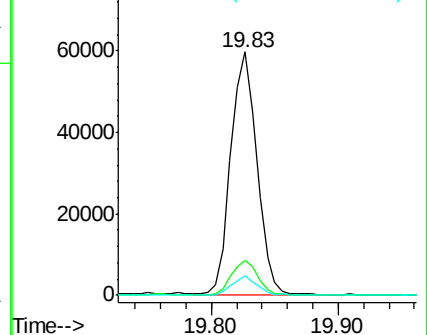
183 8.3 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#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

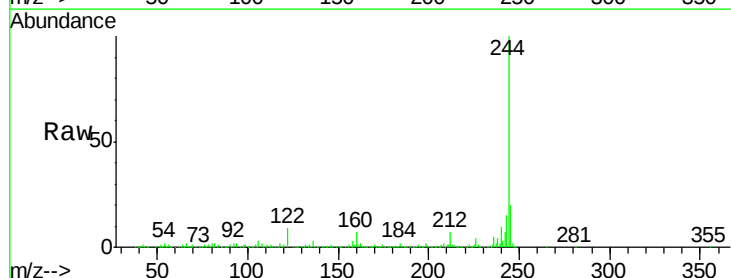
Tgt Ion:244 Resp: 388101

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

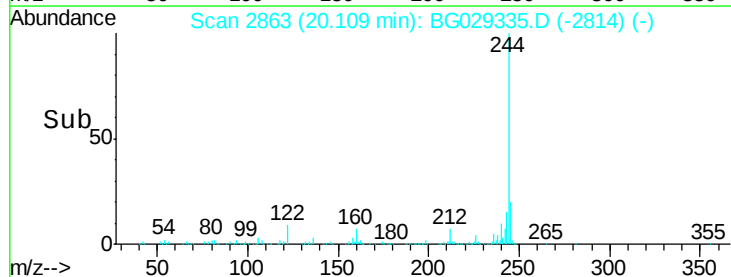
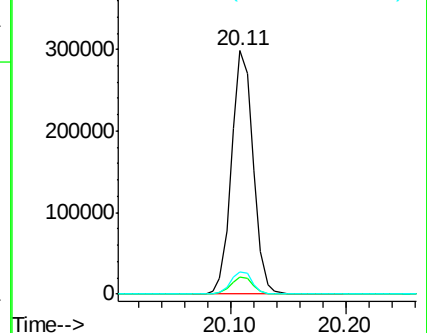
122 9.0 7.0 10.4

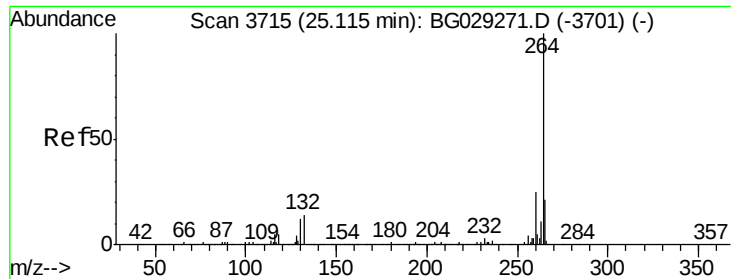


Abundance Ion 244.00 (243.70 to 244.70): E

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

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	20.6	17.7	26.5

