

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101717\
 Data File : BG029332.D
 Acq On : 18 Oct 2017 13:49
 Operator : SJ/JU
 Sample : I5906-13DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-03DL

Quant Time: Oct 18 15:39:48 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

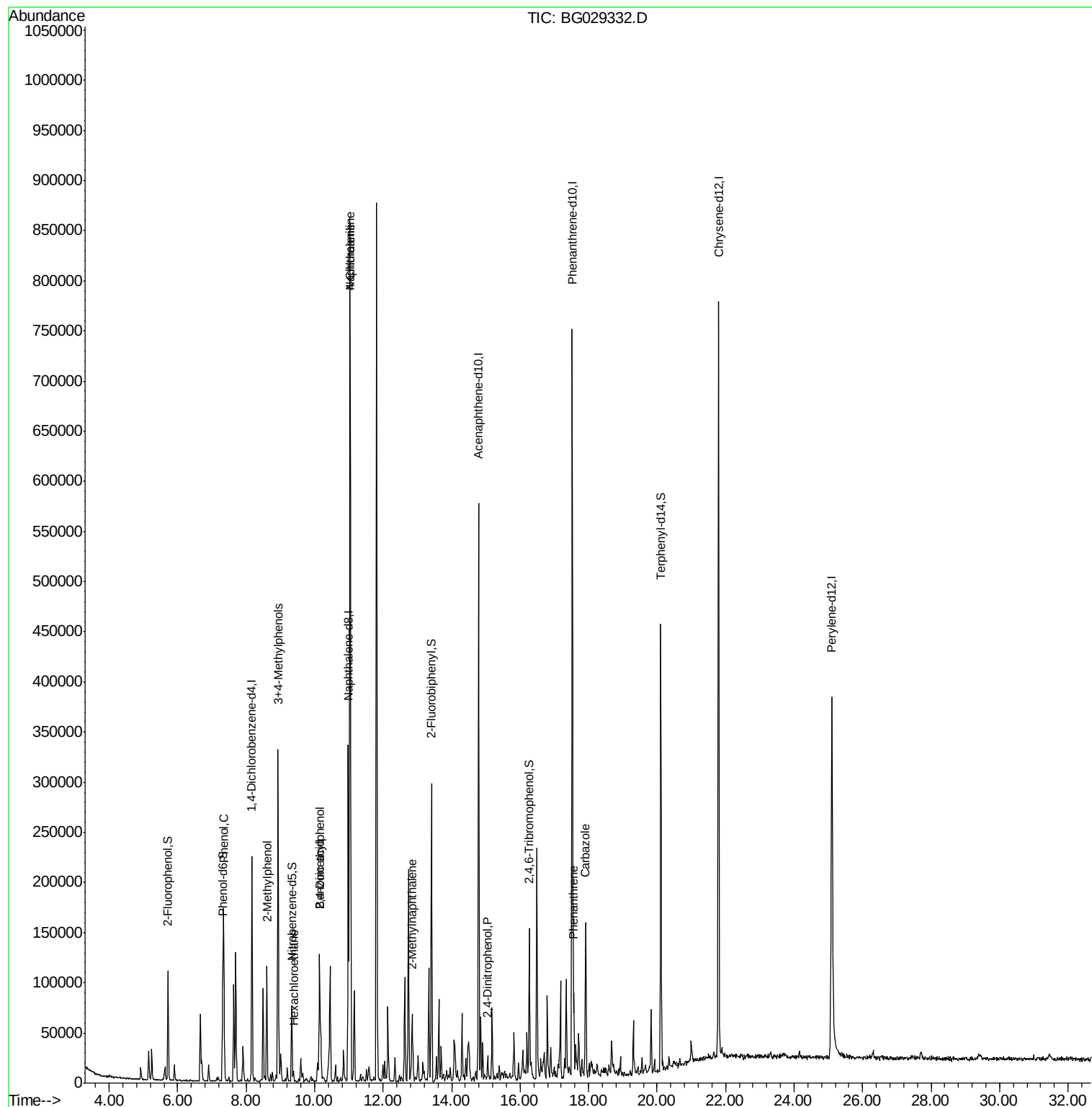
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	63874	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	310620	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	198809	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	447145	20.00	ng	0.00
75) Chrysene-d12	21.79	240	471202	20.00	ng	0.00
86) Perylene-d12	25.10	264	463207	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	50503	13.21	ng	0.00
7) Phenol-d6	7.32	99	67244	12.53	ng	0.00
23) Nitrobenzene-d5	9.33	82	46303	9.47	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	29035	11.31	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	138063	10.19	ng	0.00
78) Terphenyl-d14	20.11	244	211186	10.20	ng	-0.01
Target Compounds						
10) Phenol	7.35	94	100722	17.408	ng	Qvalue 93
17) 2-Methylphenol	8.60	107	36970	9.619	ng	92
18) Hexachloroethane	9.38	117	4914	2.870	ng	# 1
20) 3+4-Methylphenols	8.93	107	142206	26.258	ng	93
27) 2,4-Dimethylphenol	10.14	122	57397	12.077	ng	93
31) Naphthalene	11.04	128	735622	47.519	ng	99
32) Benzoic acid	10.14	122	57397	14.424	ng	# 6
33) 4-Chloroaniline	11.04	127	101348	15.564	ng	# 32
37) 2-Methylnaphthalene	12.84	142	37562	3.329	ng	89
53) 2,4-Dinitrophenol	15.07	184	66	6.665	ng	# 1
70) Phenanthrene	17.56	178	50490	2.186	ng	97
72) Carbazole	17.92	167	103469	4.644	ng	98

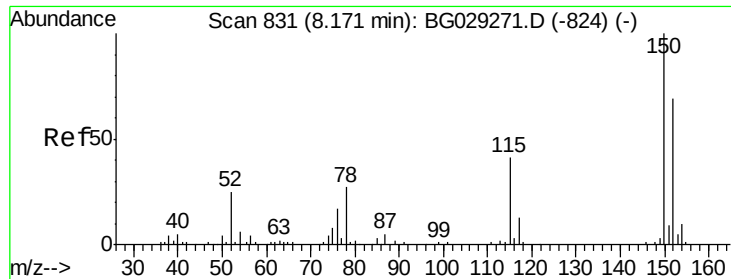
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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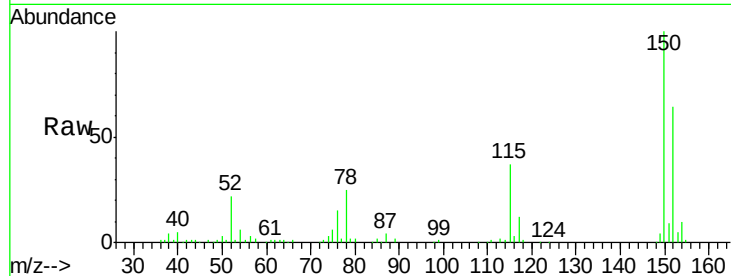


#1

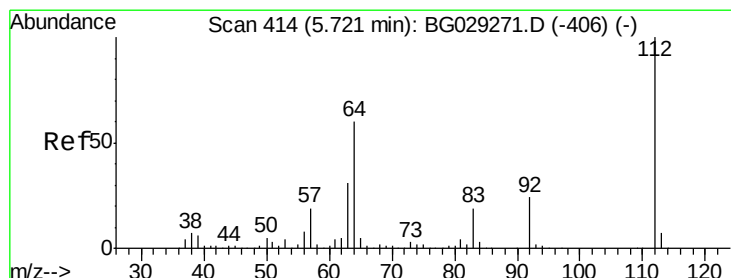
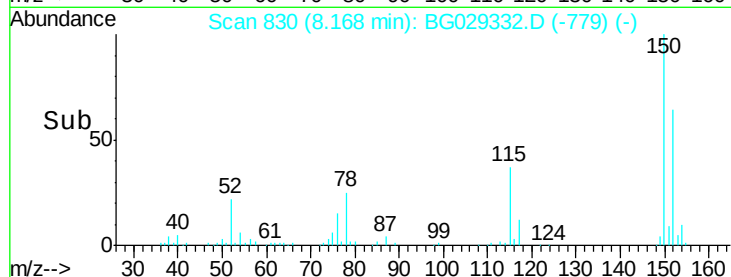
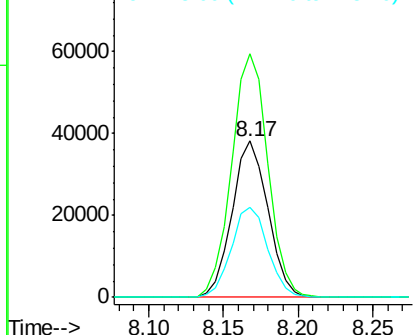
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

Instrument :
BNA_G
ClientSampleId :
WH-TWS-03DL

Tgt Ion:152 Resp: 63874
Ion Ratio Lower Upper
152 100
150 155.6 126.6 189.8
115 57.4 53.0 79.4



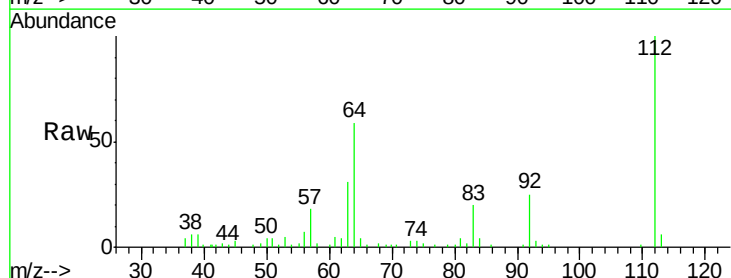
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



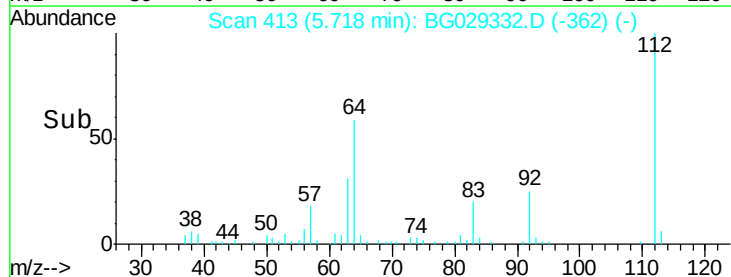
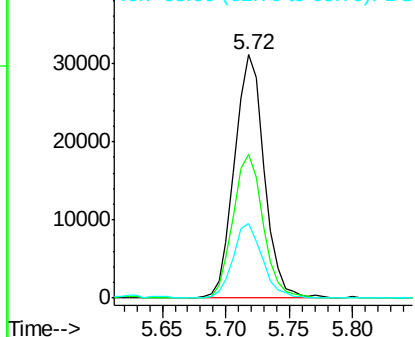
#5

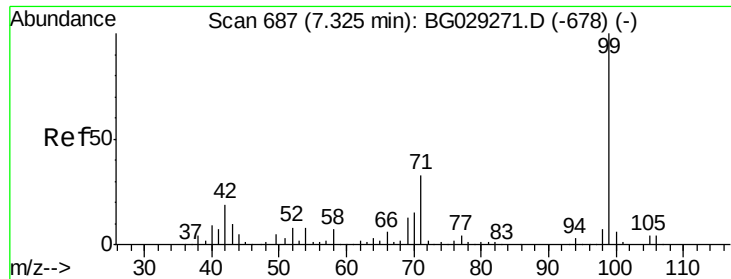
2-Fluorophenol
Concen: 13.208 ng
RT: 5.72 min Scan# 413
Delta R.T. -0.00 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

Tgt Ion:112 Resp: 50503
Ion Ratio Lower Upper
112 100
64 59.1 56.3 84.5
63 30.6 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: 12.529 ng

RT: 7.32 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03DL

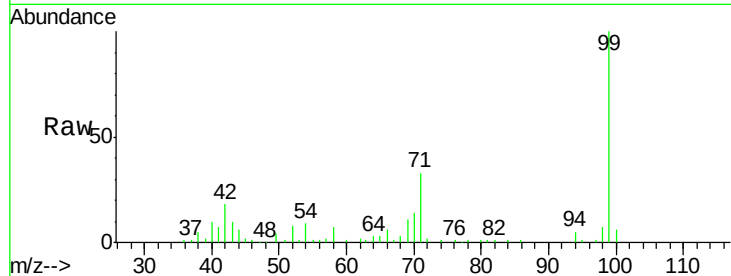
Tgt Ion: 99 Resp: 67244

Ion Ratio Lower Upper

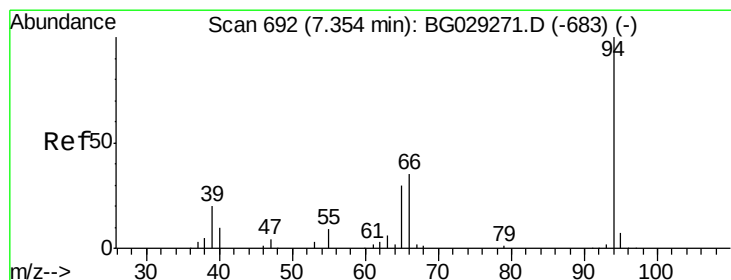
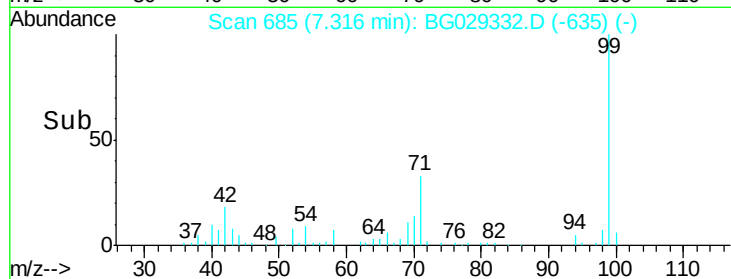
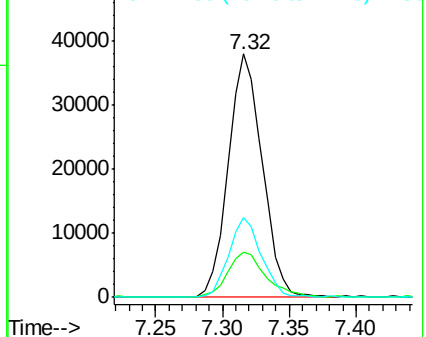
99 100

42 18.3 14.1 21.1

71 32.7 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: 17.408 ng

RT: 7.35 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

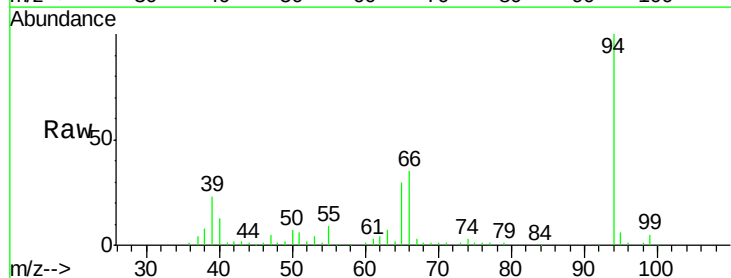
Tgt Ion: 94 Resp: 100722

Ion Ratio Lower Upper

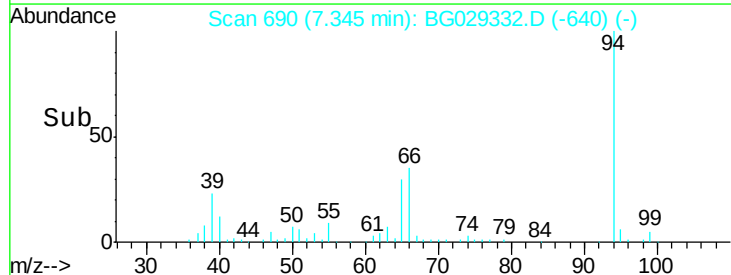
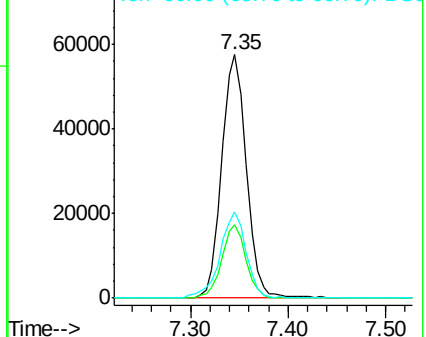
94 100

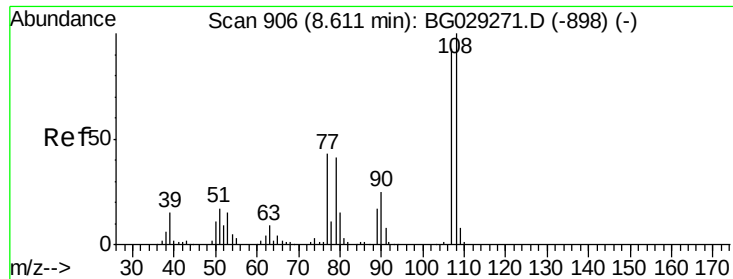
65 30.4 11.9 51.9

66 35.4 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: 9.619 ng

RT: 8.60 min Scan# 904

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03DL

Tgt Ion:107 Resp: 36970

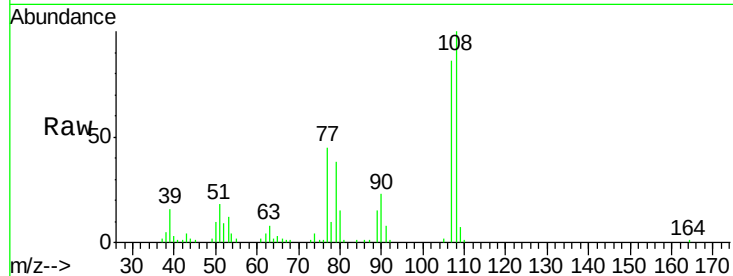
Ion Ratio Lower Upper

107 100

108 115.9 83.9 125.9

77 52.1 37.2 55.8

79 44.2 36.2 54.2

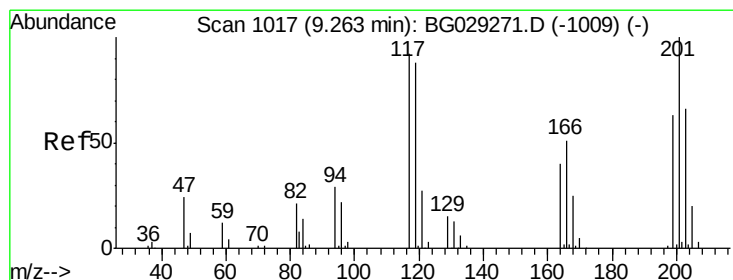
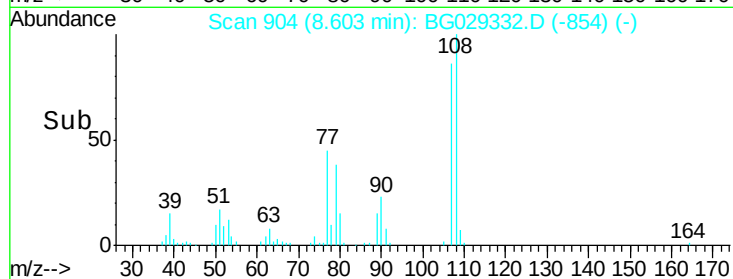
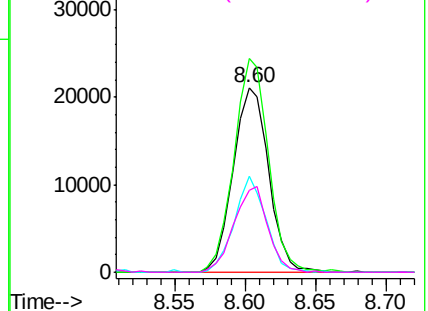


Abundance Ion 107.00 (106.70 to 107.70): E

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: 2.870 ng

RT: 9.38 min Scan# 1037

Delta R.T. 0.12 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

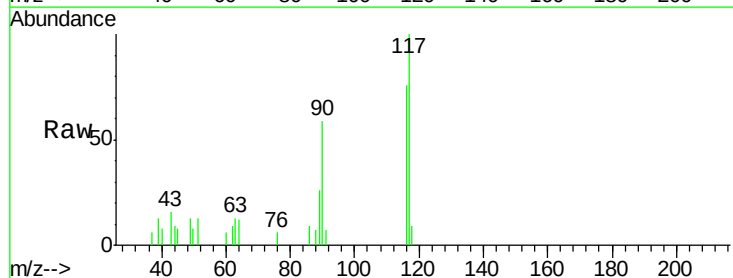
Tgt Ion:117 Resp: 4914

Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

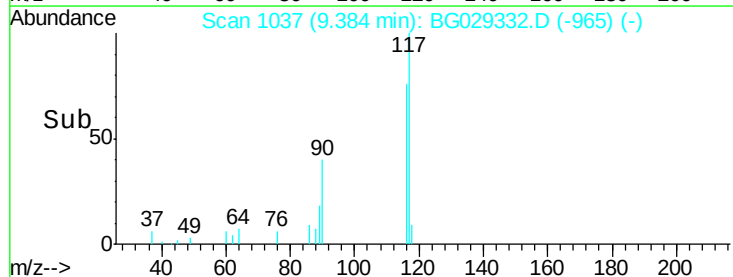
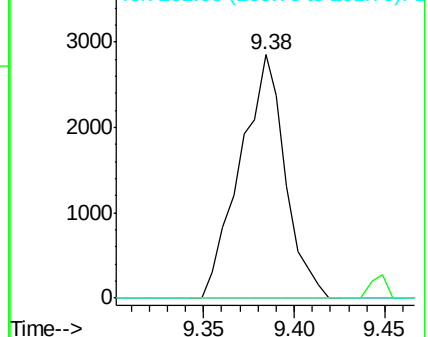
201 0.0 95.7 143.5#

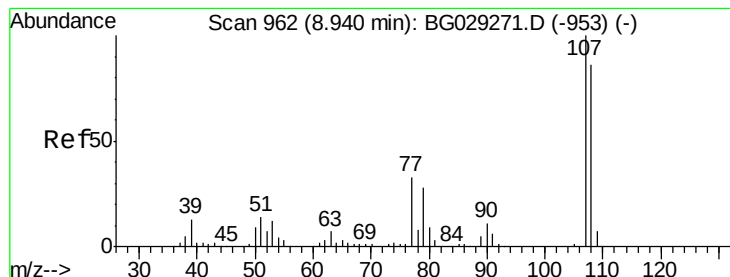


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 26.258 ng

RT: 8.93 min Scan# 960

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03DL

Tgt Ion:107 Resp: 142206

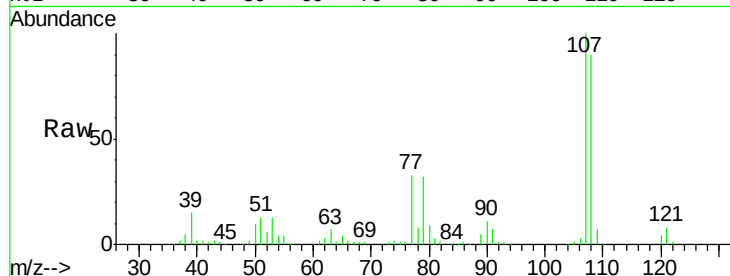
Ion Ratio Lower Upper

107 100

108 90.1 61.6 101.6

77 33.1 13.9 53.9

79 32.3 8.8 48.8

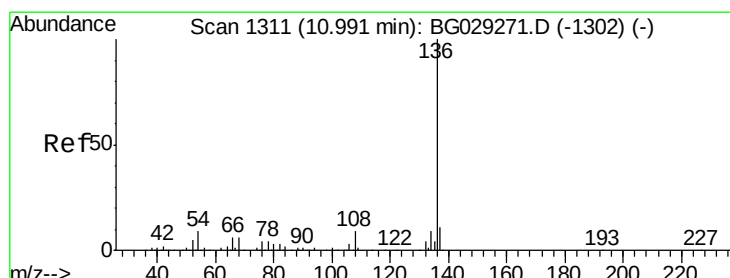
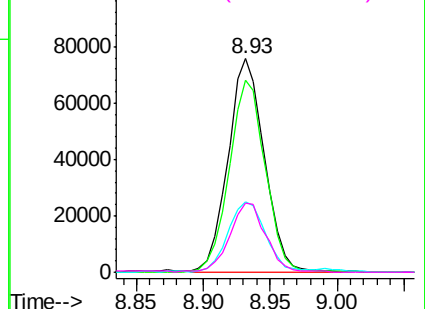
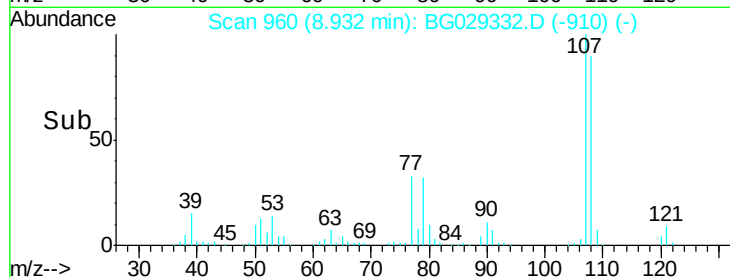


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

Tgt Ion:136 Resp: 310620

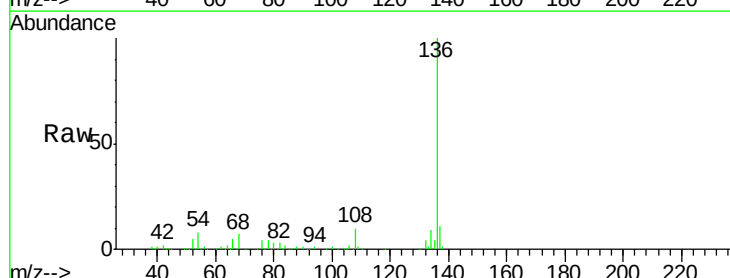
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 7.7 10.3 15.5#

68 6.8 4.5 6.7#

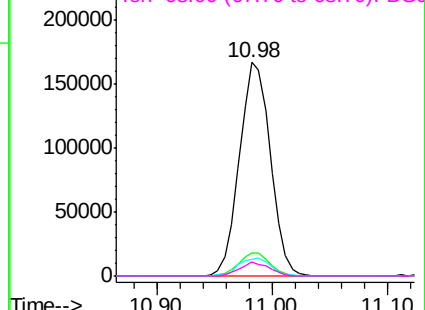
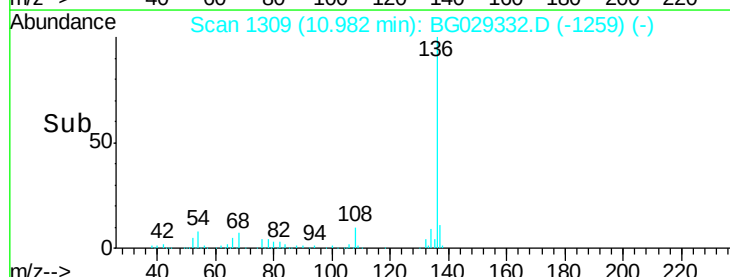


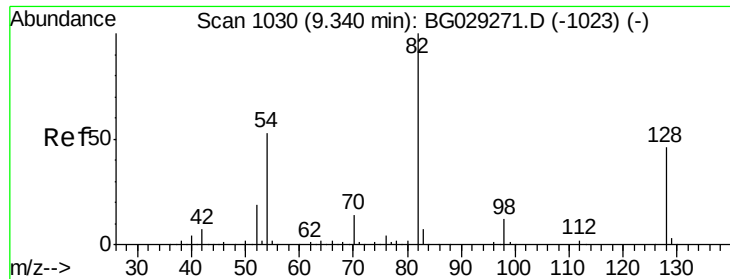
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG

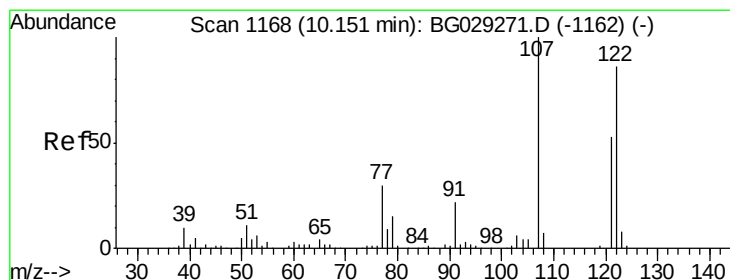
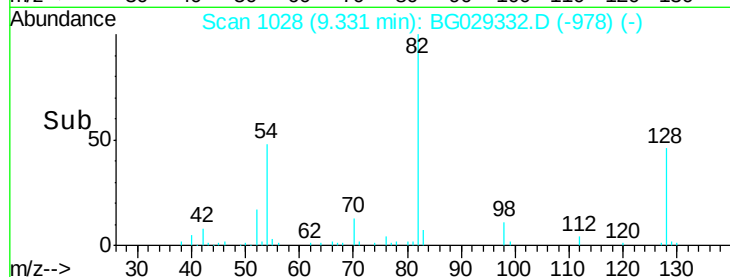
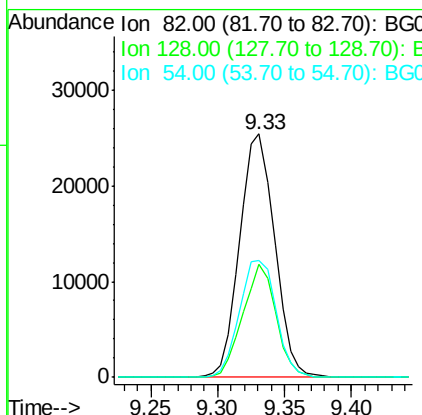
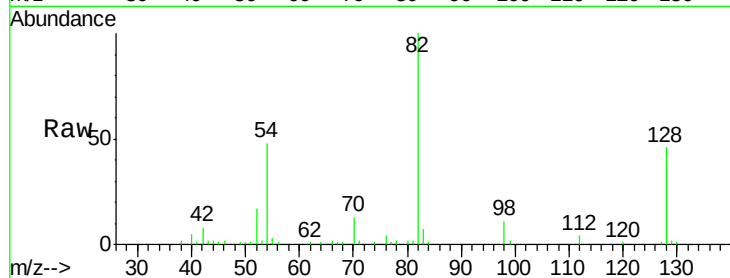




#23
 Nitrobenzene-d5
 Concen: 9.473 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BG029332.D
 Acq: 18 Oct 2017 13:49

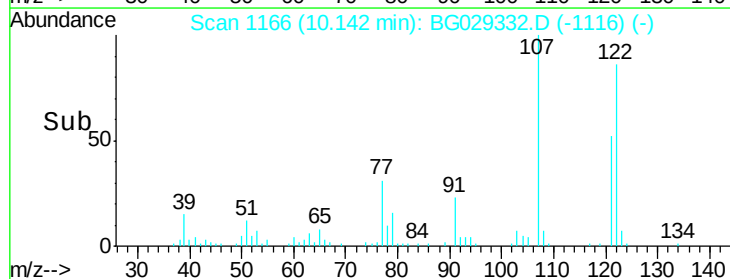
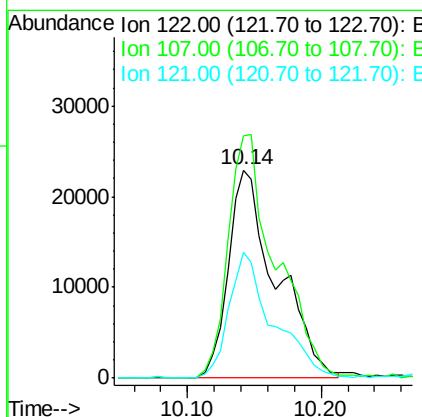
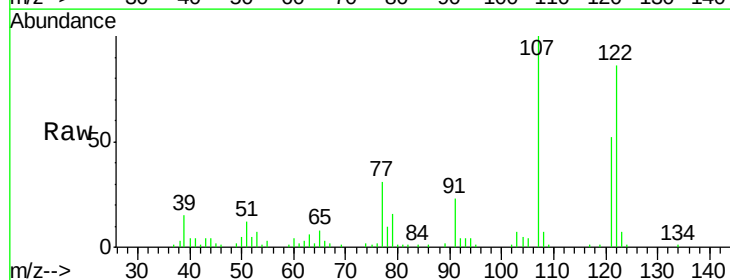
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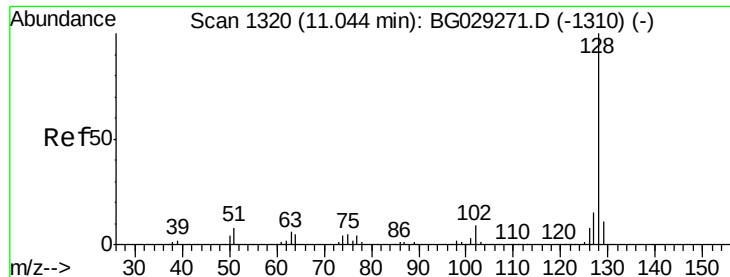
Tgt Ion: 82 Resp: 46303
 Ion Ratio Lower Upper
 82 100
 128 46.2 29.7 44.5#
 54 48.1 43.1 64.7



#27
 2,4-Dimethylphenol
 Concen: 12.077 ng
 RT: 10.14 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BG029332.D
 Acq: 18 Oct 2017 13:49

Tgt Ion: 122 Resp: 57397
 Ion Ratio Lower Upper
 122 100
 107 116.7 100.2 150.2
 121 60.4 44.4 66.6

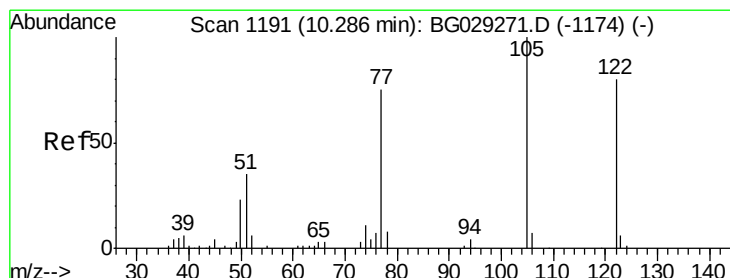
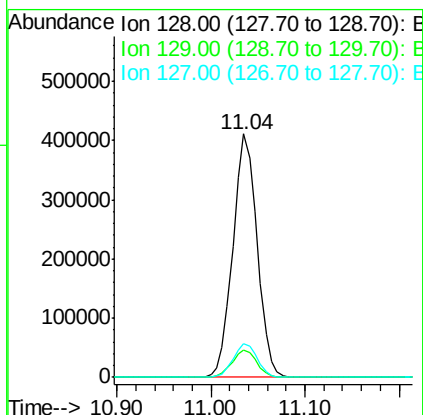
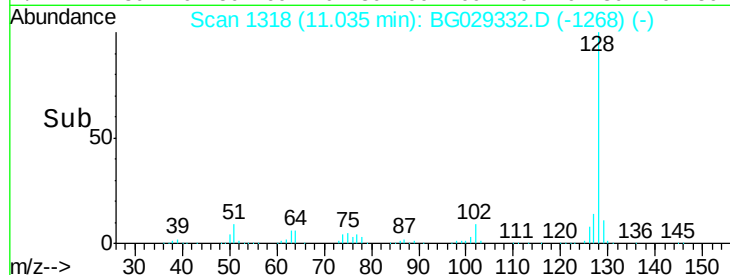
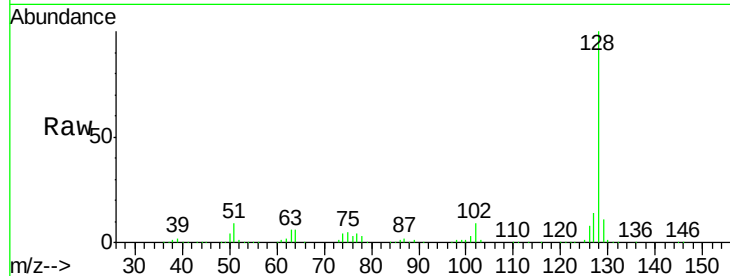




#31
Naphthalene
Concen: 47.519 ng
RT: 11.04 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

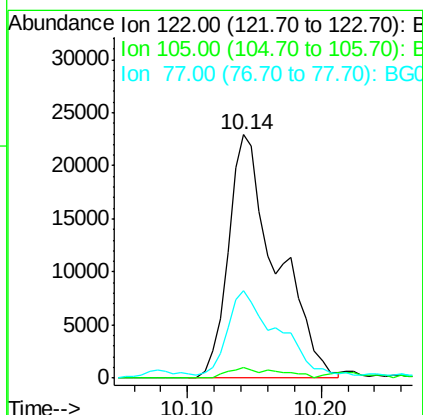
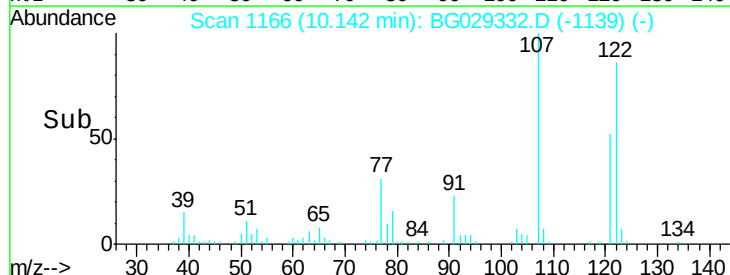
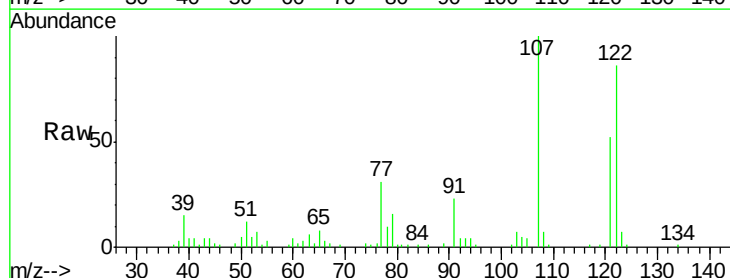
Instrument :
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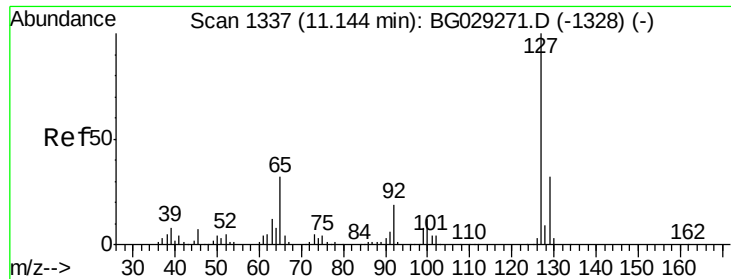
Tgt Ion:128 Resp: 735622
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.9 11.6 17.4



#32
Benzoic acid
Concen: 14.424 ng
RT: 10.14 min Scan# 1166
Delta R.T. -0.14 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

Tgt Ion:122 Resp: 57397
Ion Ratio Lower Upper
122 100
105 4.2 123.5 163.5#
77 36.0 85.7 125.7#

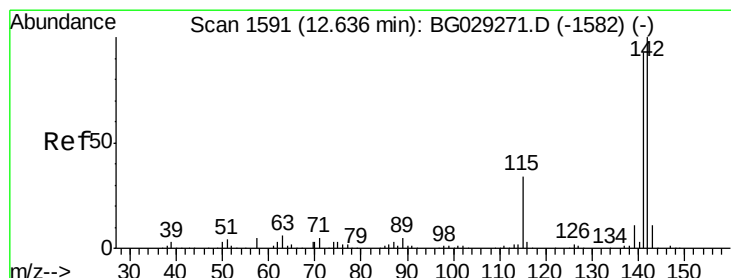
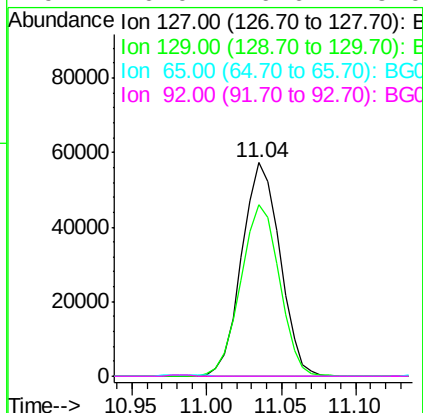
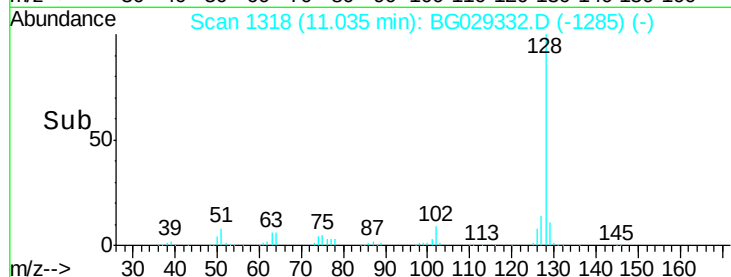
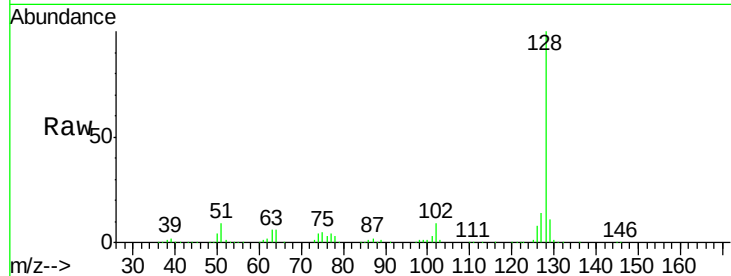




#33
4-Chloroaniline
Concen: 15.564 ng
RT: 11.04 min Scan# 1318
Delta R.T. -0.11 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

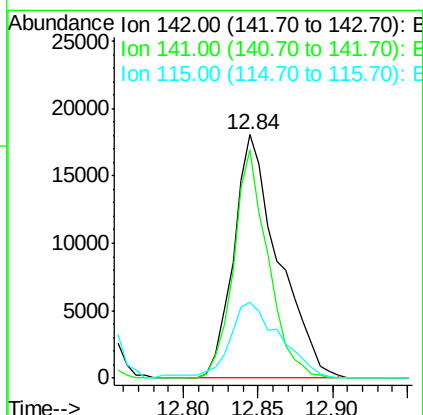
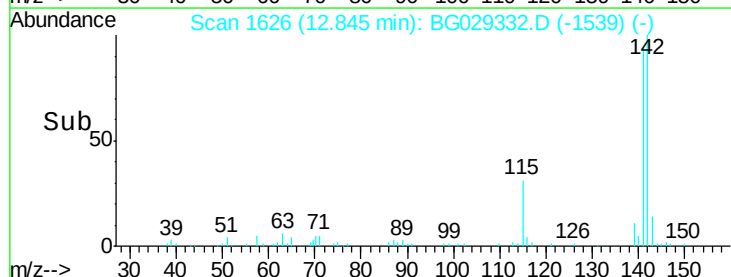
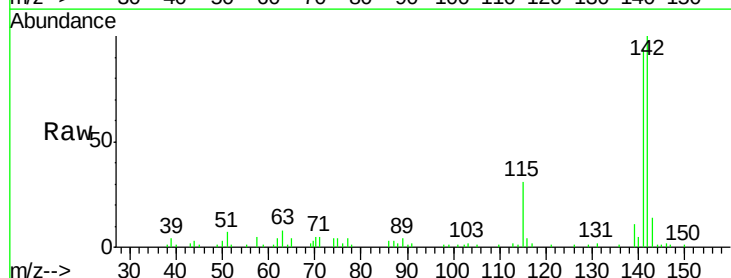
Instrument :
BNA_G
ClientSampleId :
WH-TWS-03DL

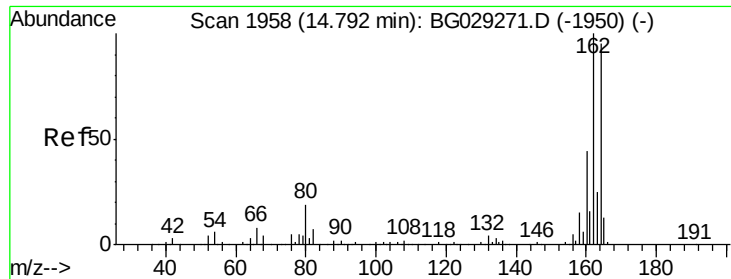
Tgt Ion:	127	Resp:	101348
Ion	Ratio	Lower	Upper
127	100		
129	80.5	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 3.329 ng
RT: 12.84 min Scan# 1626
Delta R.T. 0.21 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

Tgt Ion:	142	Resp:	37562
Ion	Ratio	Lower	Upper
142	100		
141	93.6	67.1	100.7
115	31.2	30.7	46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03DL

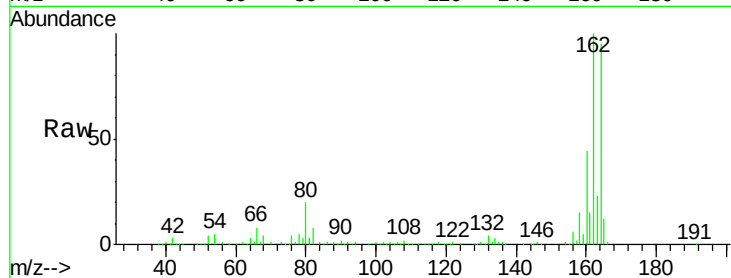
Tgt Ion:164 Resp: 198809

Ion Ratio Lower Upper

164 100

162 104.9 78.8 118.2

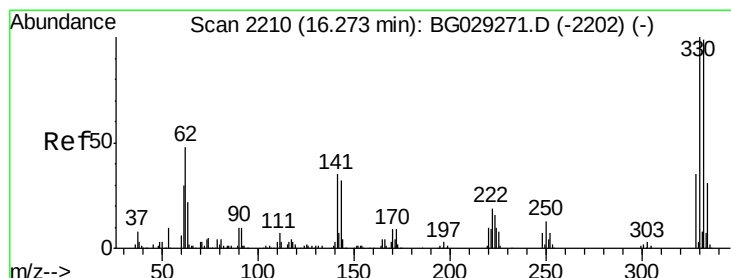
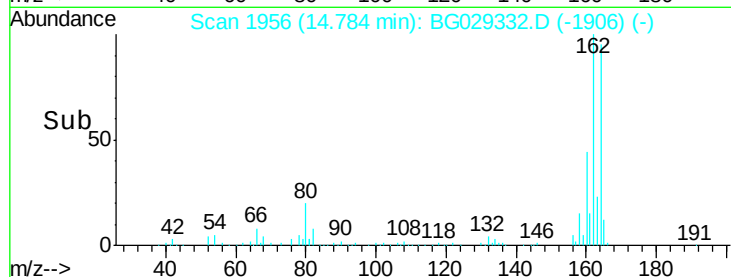
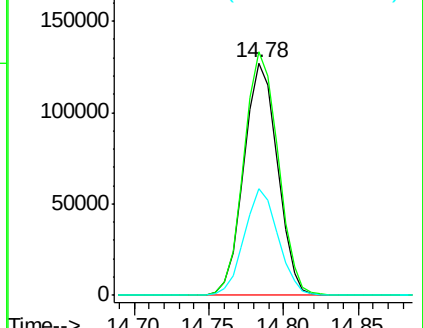
160 46.1 35.4 53.0



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: 11.312 ng

RT: 16.26 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

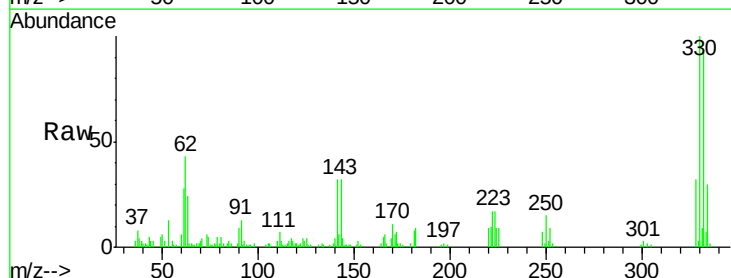
Tgt Ion:330 Resp: 29035

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

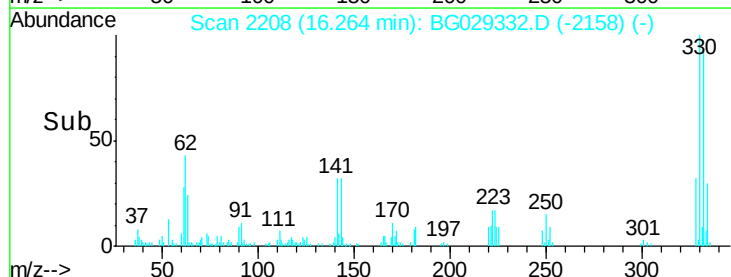
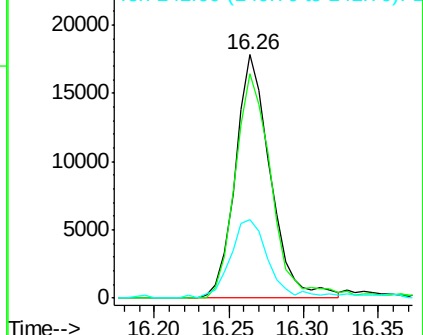
141 34.8 25.2 37.8

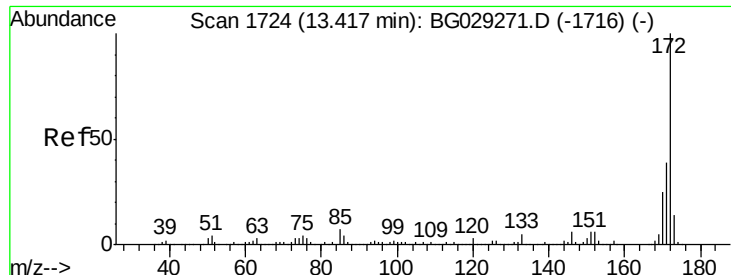


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

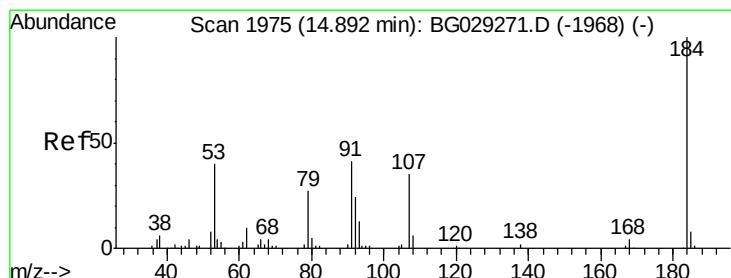
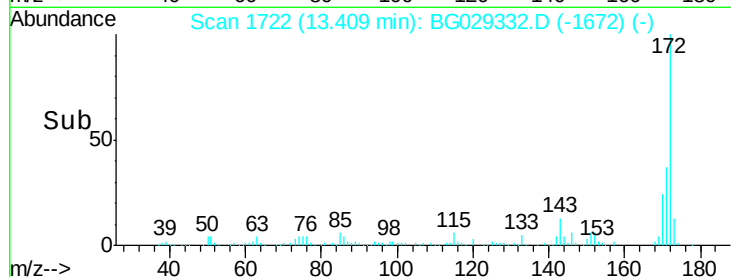
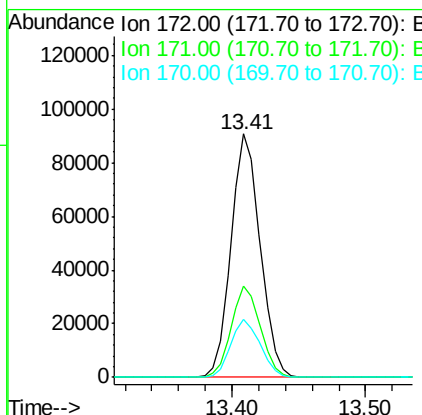
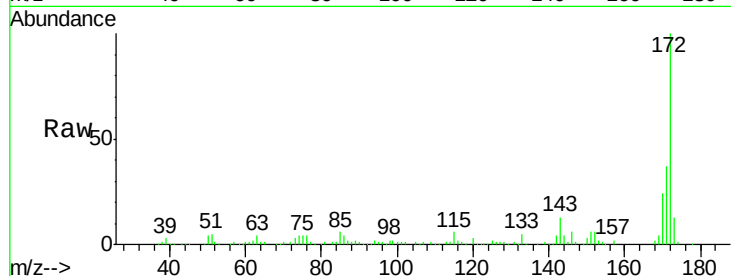




#44
 2-Fluorobiphenyl
 Concen: 10.185 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG029332.D
 Acq: 18 Oct 2017 13:49

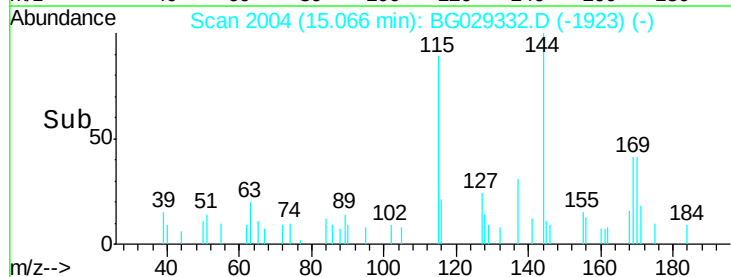
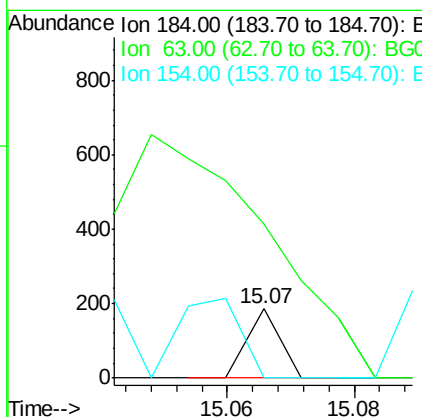
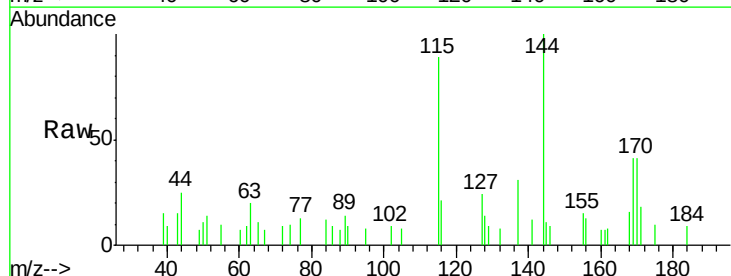
Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-03DL

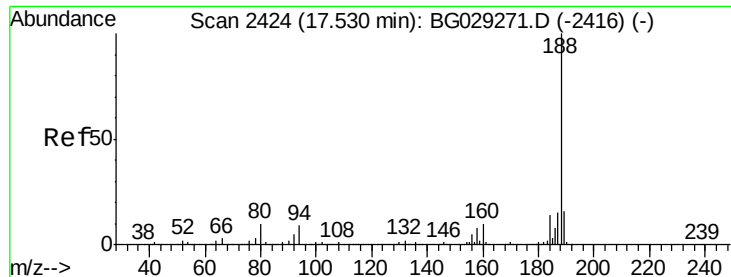
Tgt Ion:172 Resp: 138063
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 23.6 19.5 29.3



#53
 2,4-Dinitrophenol
 Concen: 6.665 ng
 RT: 15.07 min Scan# 2004
 Delta R.T. 0.17 min
 Lab File: BG029332.D
 Acq: 18 Oct 2017 13:49

Tgt Ion:184 Resp: 66
 Ion Ratio Lower Upper
 184 100
 63 223.1 59.8 89.8#
 154 0.0 101.8 152.8#

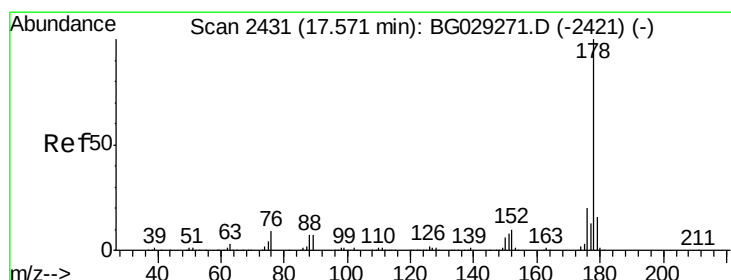
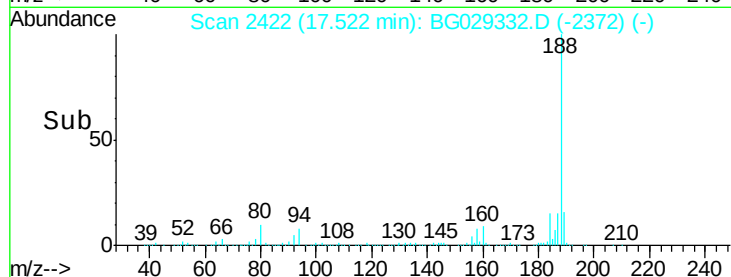
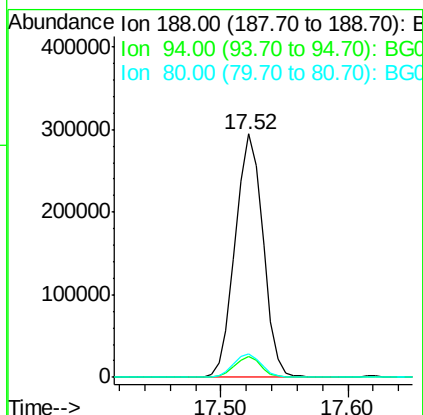
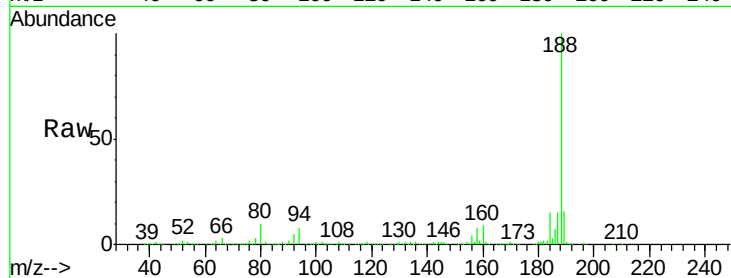




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

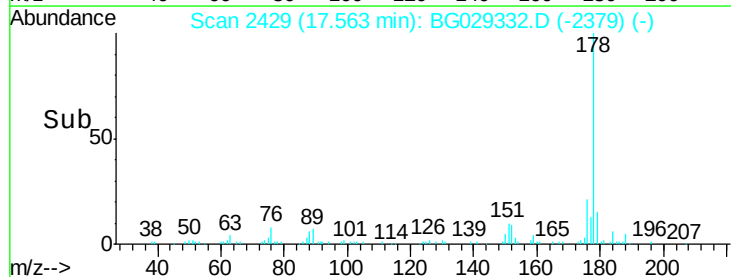
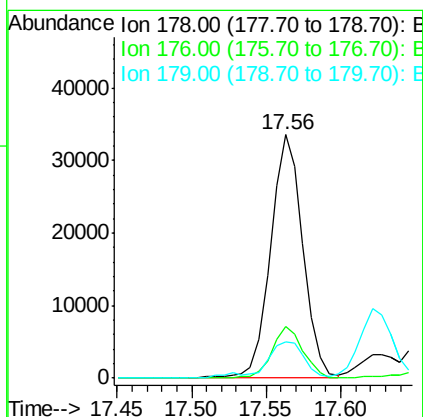
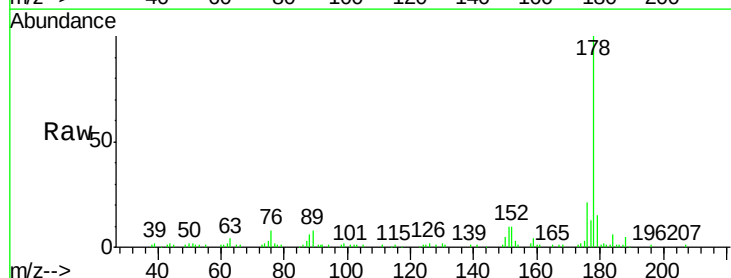
Instrument :
BNA_G
ClientSampleId :
WH-TWS-03DL

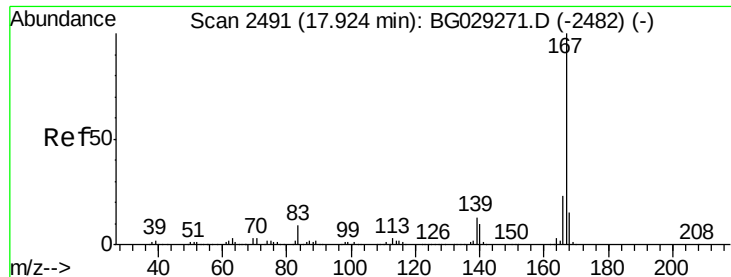
Tgt Ion:188 Resp: 447145
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 9.9 7.7 11.5



#70
Phenanthrene
Concen: 2.186 ng
RT: 17.56 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BG029332.D
Acq: 18 Oct 2017 13:49

Tgt Ion:178 Resp: 50490
Ion Ratio Lower Upper
178 100
176 21.1 15.7 23.5
179 14.8 12.5 18.7





#72

Carbazole

Concen: 4.644 ng

RT: 17.92 min Scan# 2490

Delta R.T. -0.00 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03DL

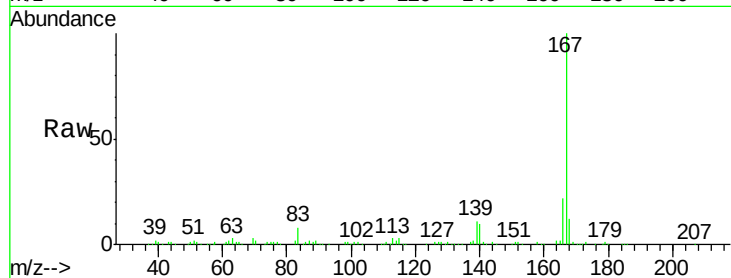
Tgt Ion:167 Resp: 103469

Ion Ratio Lower Upper

167 100

166 21.7 18.2 27.4

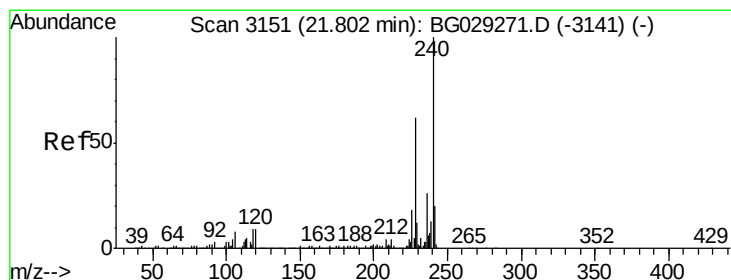
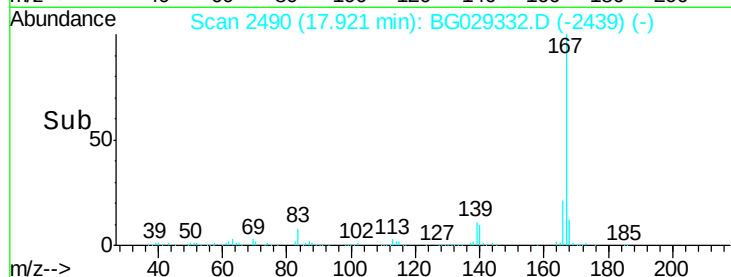
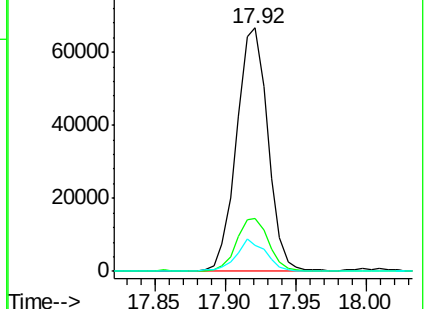
139 10.9 9.4 14.2



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: BG029332.D

Acq: 18 Oct 2017 13:49

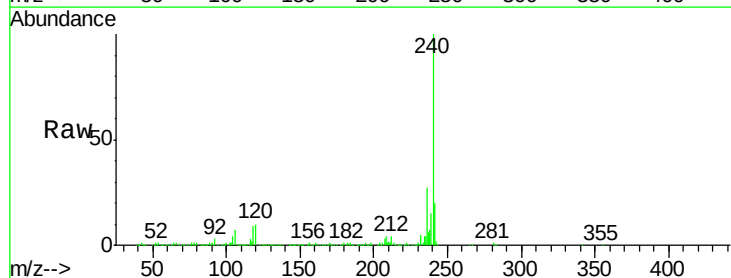
Tgt Ion:240 Resp: 471202

Ion Ratio Lower Upper

240 100

120 9.7 6.8 10.2

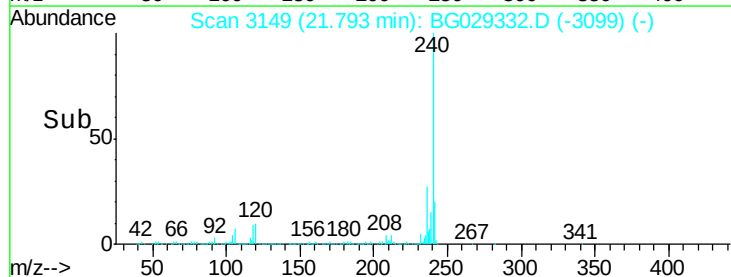
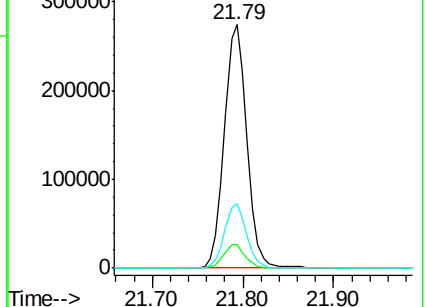
236 26.6 20.9 31.3

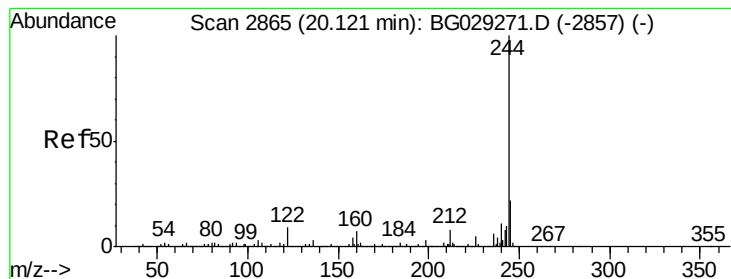


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 10.196 ng

RT: 20.11 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

Instrument :

BNA_G

ClientSampleId :

WH-TWS-03DL

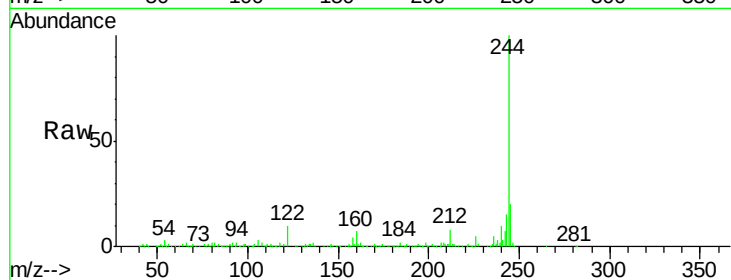
Tgt Ion:244 Resp: 211186

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

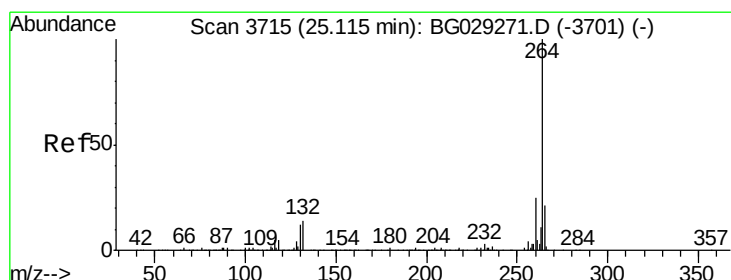
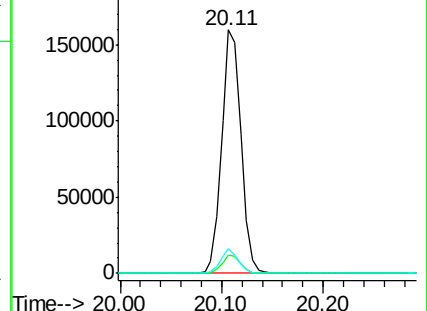
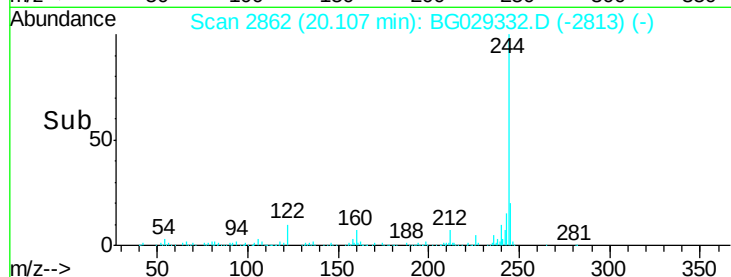
122 10.1 7.0 10.4



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# 3712

Delta R.T. -0.01 min

Lab File: BG029332.D

Acq: 18 Oct 2017 13:49

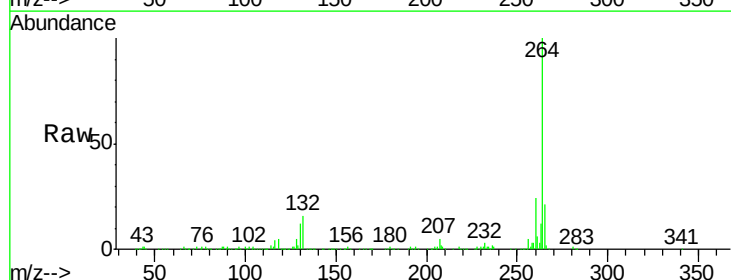
Tgt Ion:264 Resp: 463207

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 20.7 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

