

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032228.D
 Acq On : 23 Jan 2018 12:51
 Operator : SJ/JU
 Sample : J1239-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14R30-01

Quant Time: Jan 24 09:58:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

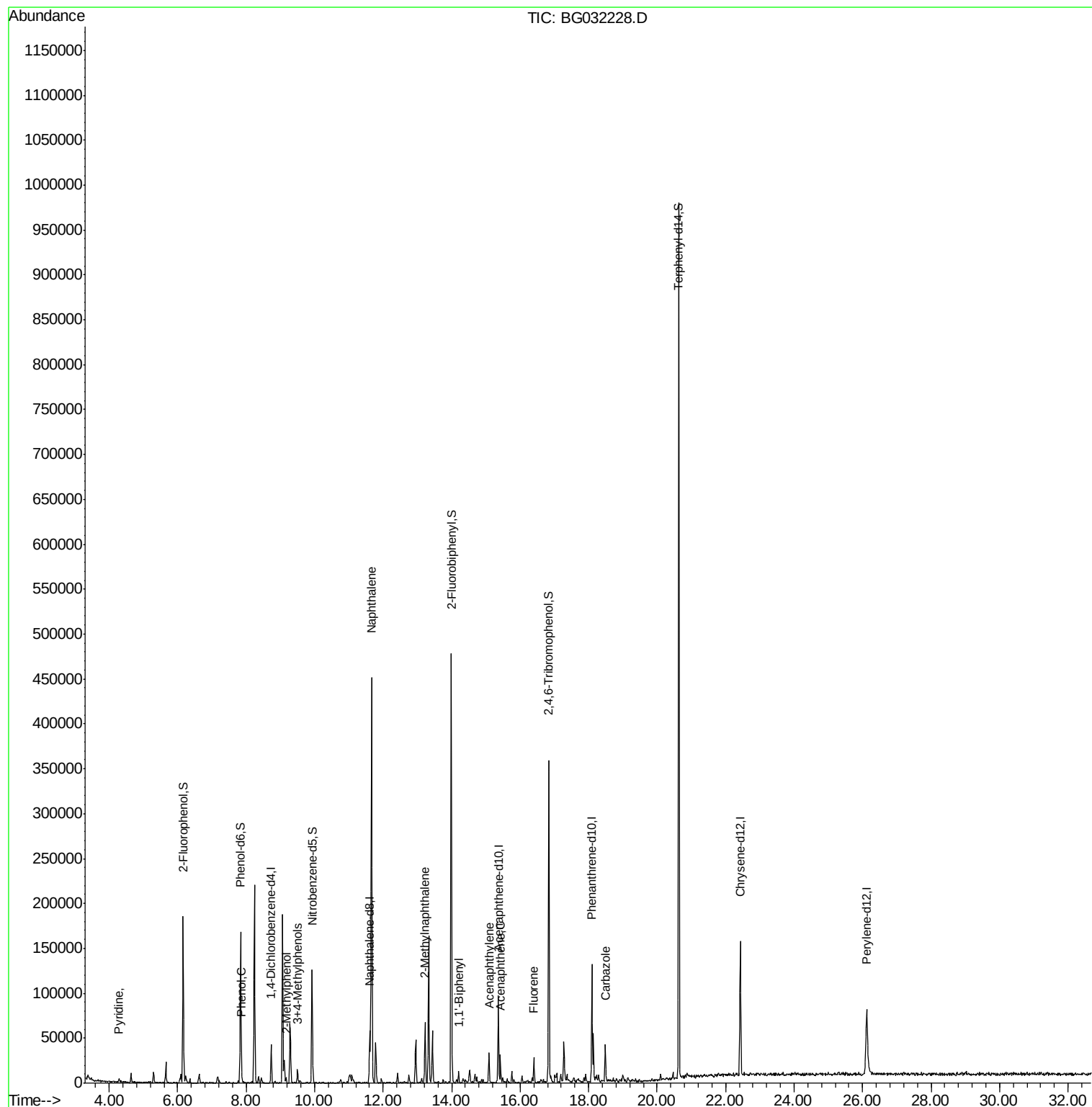
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	14164	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	58128	20.00	ng	-0.02
38) Acenaphthene-d10	15.37	164	38169	20.00	ng	-0.02
63) Phenanthrene-d10	18.09	188	93380	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	113073	20.00	ng	-0.02
86) Perylene-d12	26.12	264	119465	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	94132	121.55	ng	-0.01
7) Phenol-d6	7.84	99	105640	108.31	ng	-0.01
23) Nitrobenzene-d5	9.92	82	80433	93.61	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	80319	127.17	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	285454	92.73	ng	-0.02
78) Terphenyl-d14	20.63	244	534954	104.46	ng	-0.02
Target Compounds						
3) Pyridine	4.28	79	2124	2.674	ng	Qvalue 88
10) Phenol	7.87	94	3343	3.479	ng	86
17) 2-Methylphenol	9.17	107	2172	2.958	ng	93
20) 3+4-Methylphenols	9.50	107	6302	6.195	ng	88
31) Naphthalene	11.66	128	417174	144.876	ng	97
37) 2-Methylnaphthalene	13.22	142	32917	14.399	ng	96
45) 1,1'-Biphenyl	14.20	154	7188	2.197	ng	90
48) Acenaphthylene	15.09	152	24103	6.218	ng	93
51) Acenaphthene	15.42	154	13051	5.092	ng	93
57) Fluorene	16.40	166	14773	4.711	ng	# 84
72) Carbazole	18.49	167	32089	7.134	ng	# 93

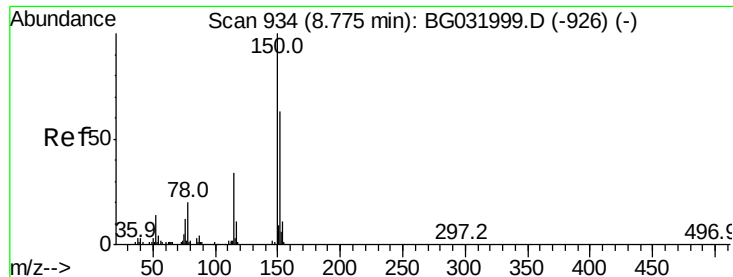
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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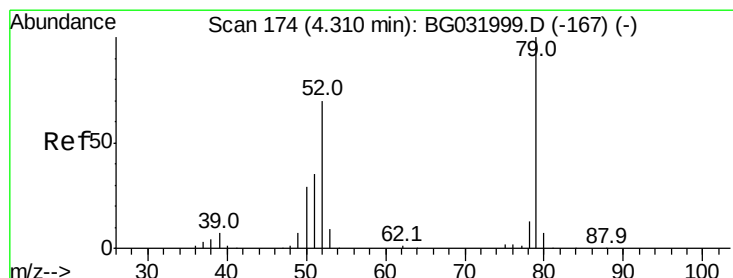
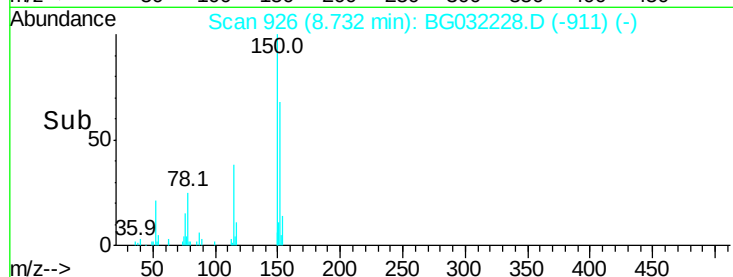
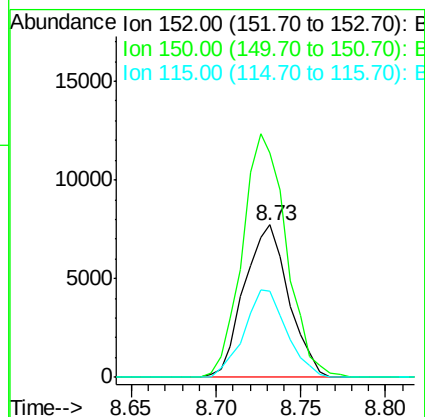
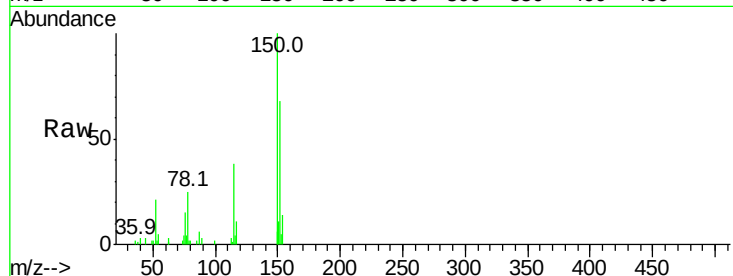


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 926
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Instrument :
BNA_G
ClientSampleId :
WC-14R30-01

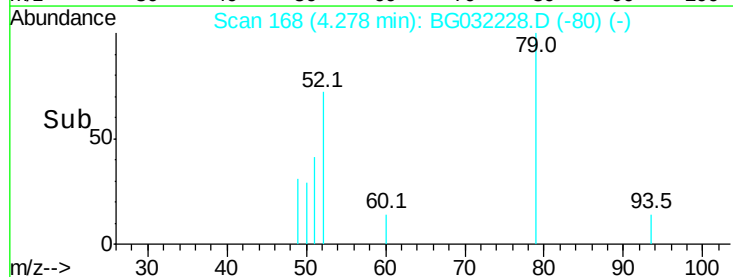
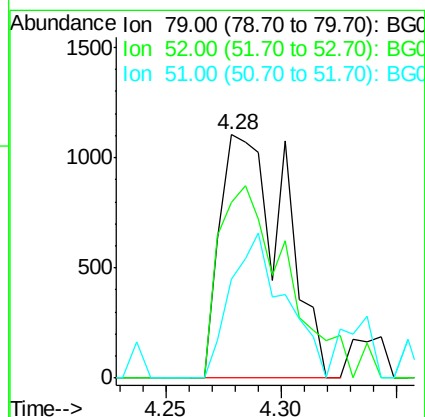
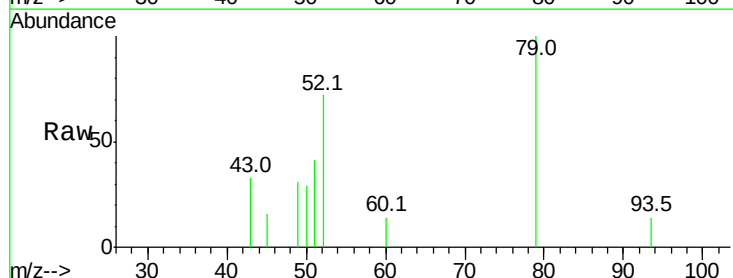
Tot Ion:152 Resp: 14164
Ion Ratio Lower Upper
152 100
150 147.4 126.6 189.8
115 56.6 53.0 79.4

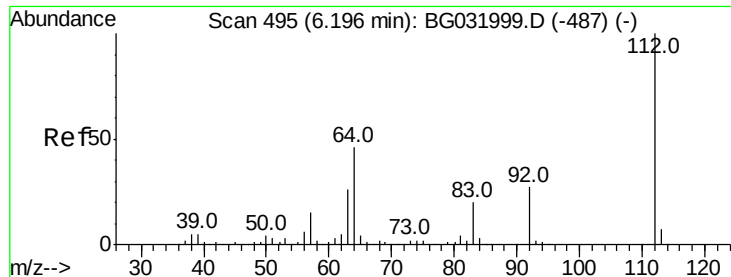


#3

Pyridine
Concen: 2.674 ng
RT: 4.28 min Scan# 168
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion: 79 Resp: 2124
Ion Ratio Lower Upper
79 100
52 72.3 69.9 104.9
51 40.7 34.0 51.0





#5

2-Fluorophenol

Concen: 121.548 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

WC-14R30-01

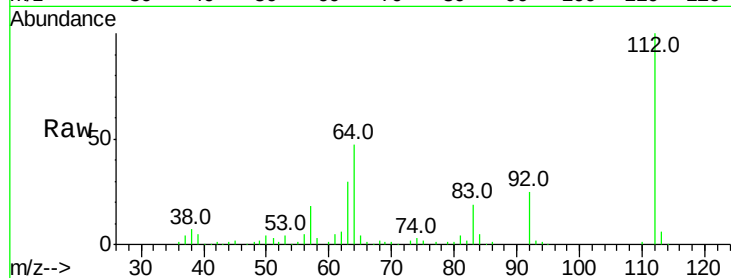
Tot Ion:112 Resp: 94132

Ion Ratio Lower Upper

112 100

64 47.4 56.3 84.5#

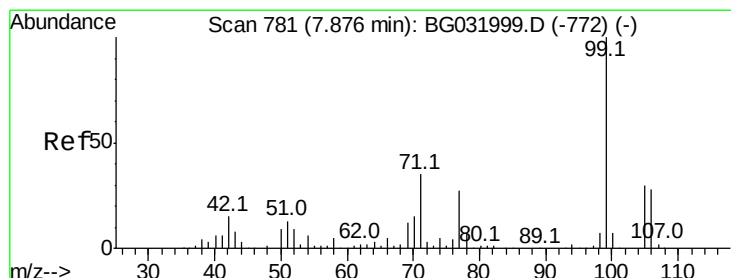
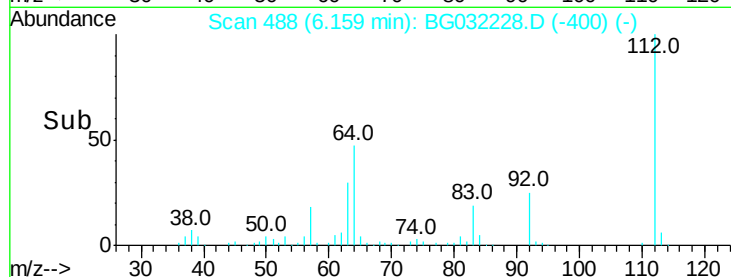
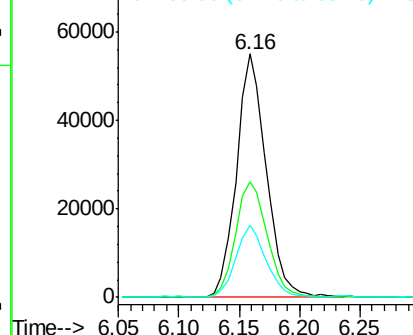
63 29.7 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 108.309 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.01 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

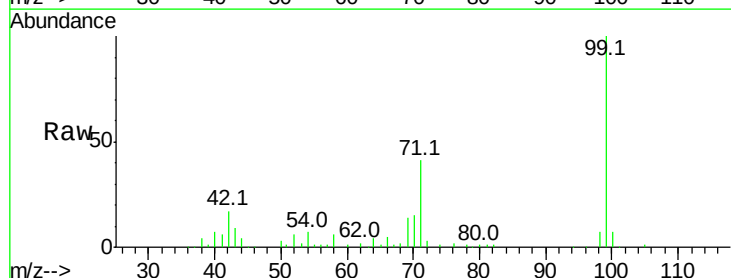
Tgt Ion: 99 Resp: 105640

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

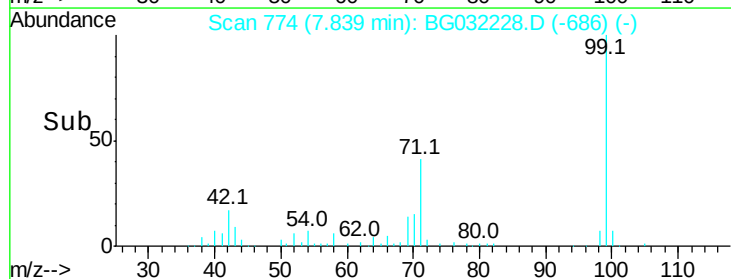
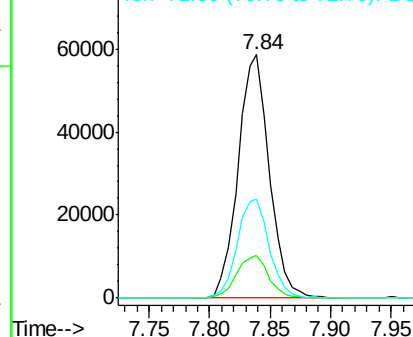
71 40.6 26.1 39.1#

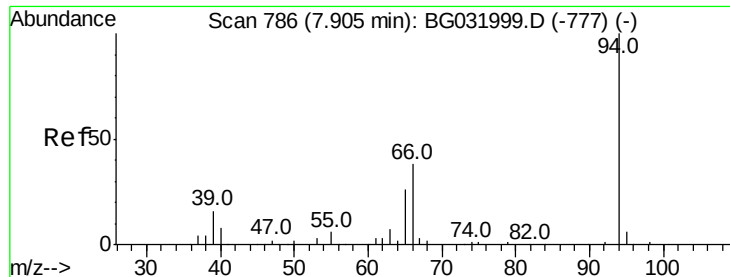


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.479 ng

RT: 7.87 min Scan# 779

Delta R.T. -0.01 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

WC-14R30-01

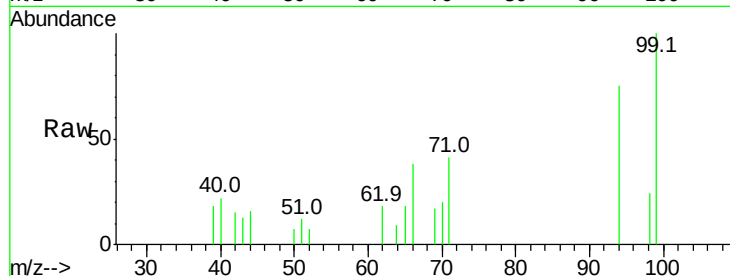
Tot Ion: 94 Resp: 3343

Ion Ratio Lower Upper

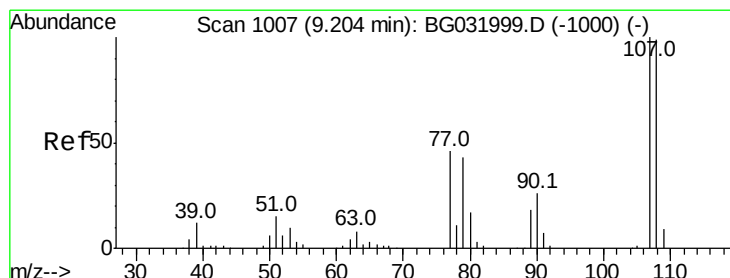
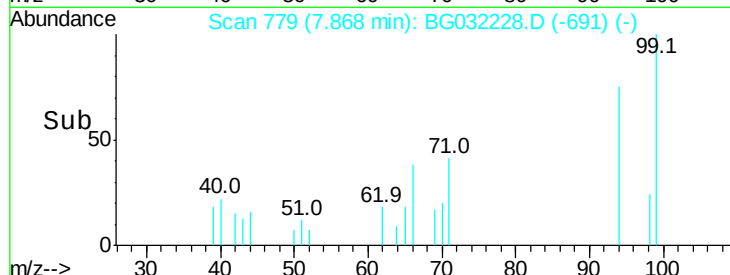
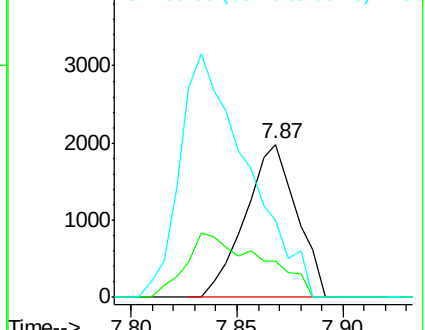
94 100

65 24.0 11.9 51.9

66 50.9 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: 2.958 ng

RT: 9.17 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Tgt Ion: 107 Resp: 2172

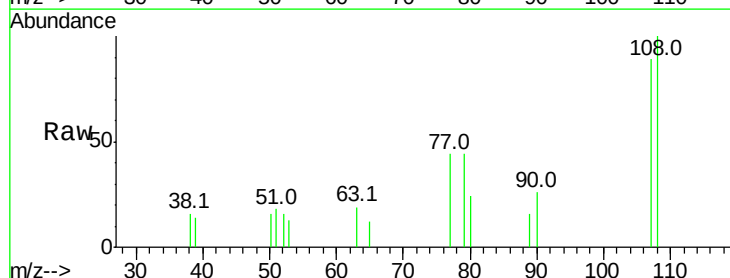
Ion Ratio Lower Upper

107 100

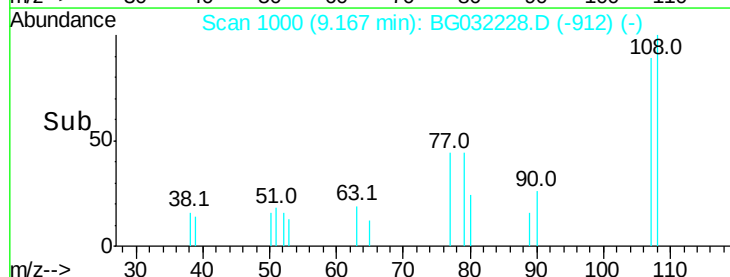
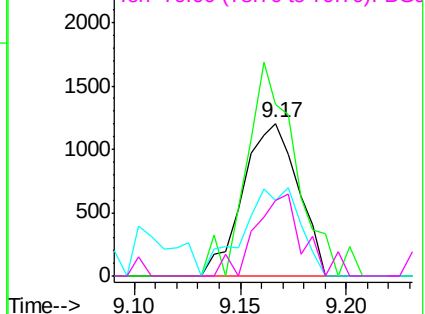
108 112.8 83.9 125.9

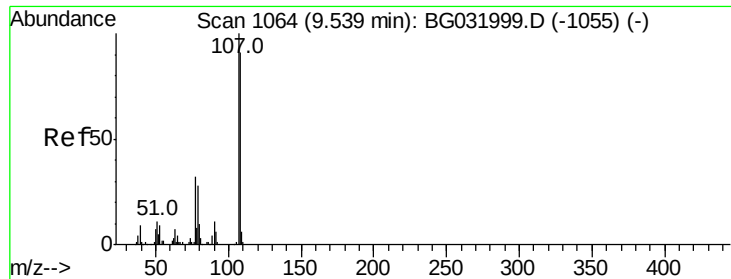
77 49.6 37.2 55.8

79 49.5 36.2 54.2



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

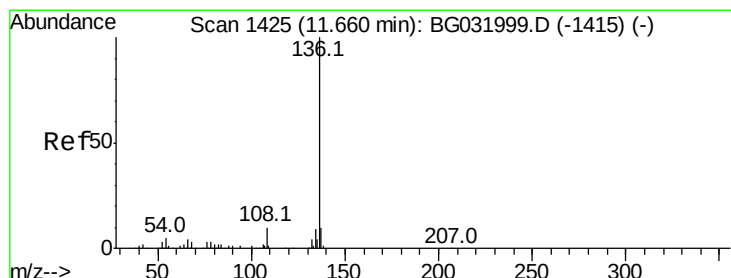
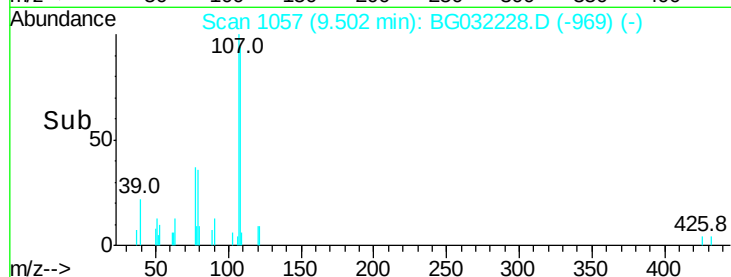
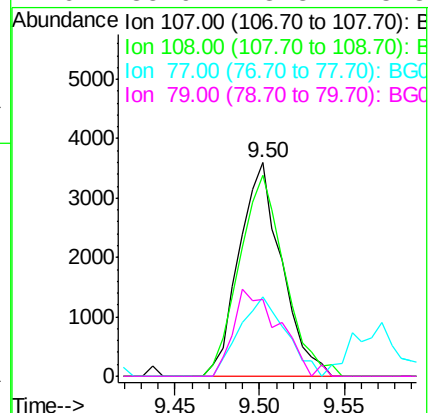
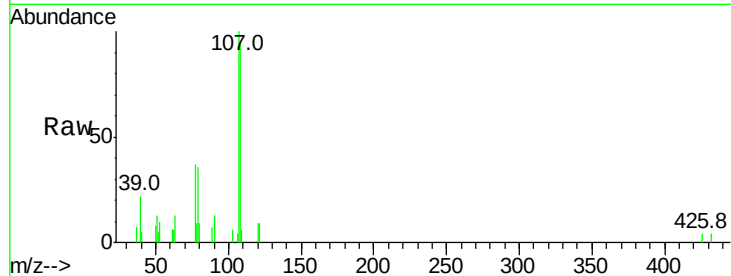




#20
3+4-Methylphenols
Concen: 6.195 ng
RT: 9.50 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

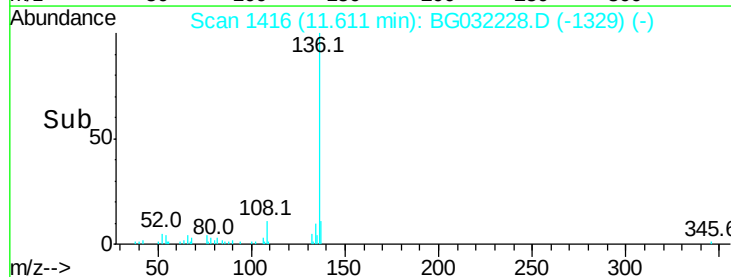
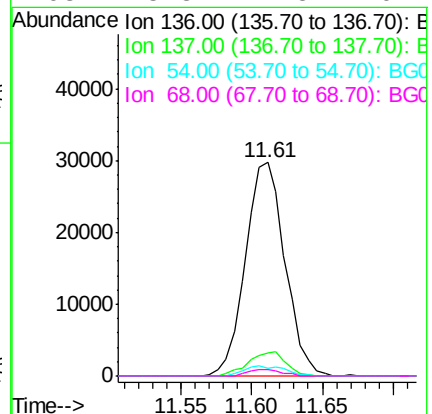
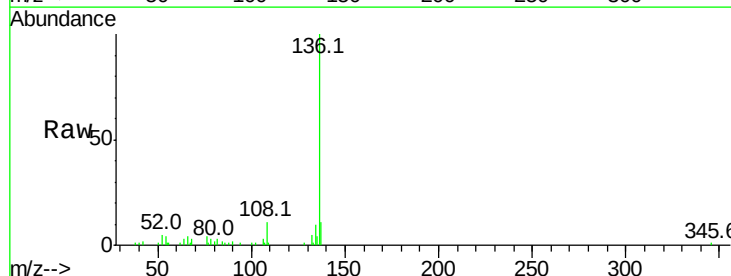
Instrument :
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ClientSampleId :
WC-14R30-01

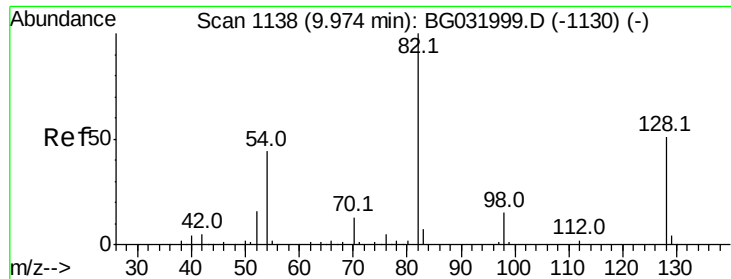
Tot Ion:107	Resp: 6302
Ion Ratio	Lower Upper
107 100	
108 93.9	61.6 101.6
77 37.3	13.9 53.9
79 35.9	8.8 48.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt	Ion:136	Resp:	58128
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	4.2	10.3	15.5#
68	3.3	4.5	6.7#

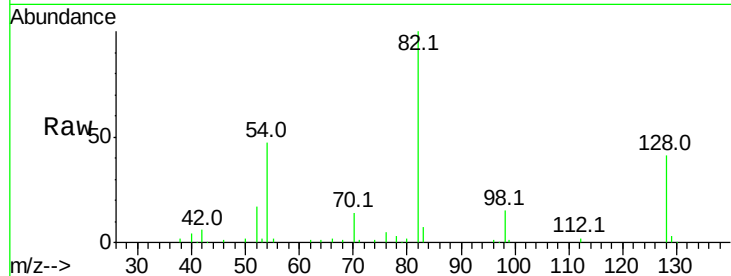




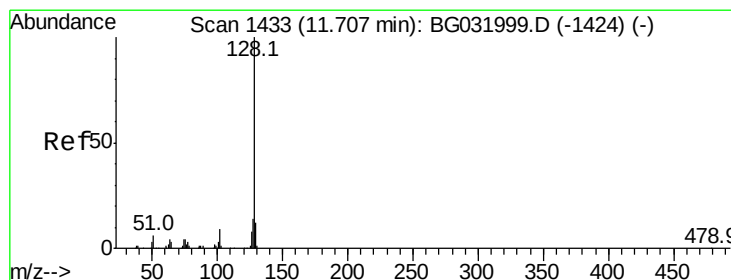
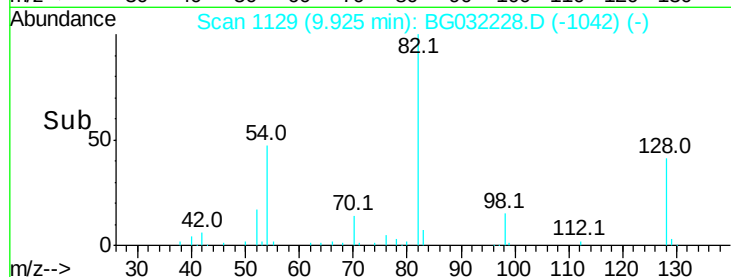
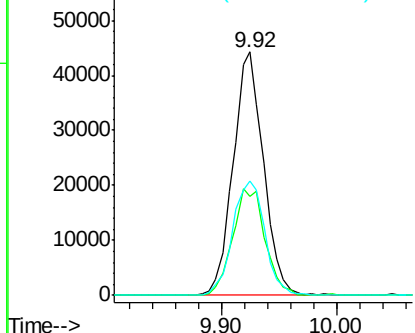
#23
 Nitrobenzene-d5
 Concen: 93.615 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Instrument :
 BNA_G
 ClientSampleId :
 WC-14R30-01

Tot Ion	82	Resp	80433
Ion Ratio	Lower	Upper	
82	100		
128	40.6	29.7	44.5
54	47.1	43.1	64.7

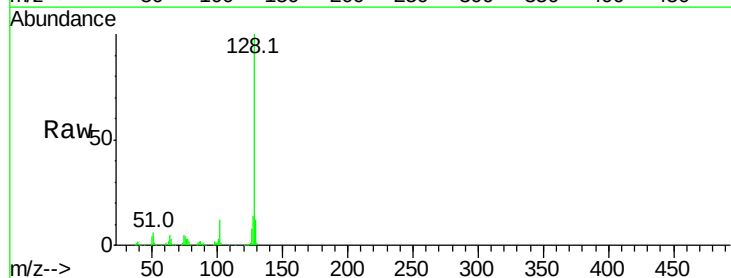


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

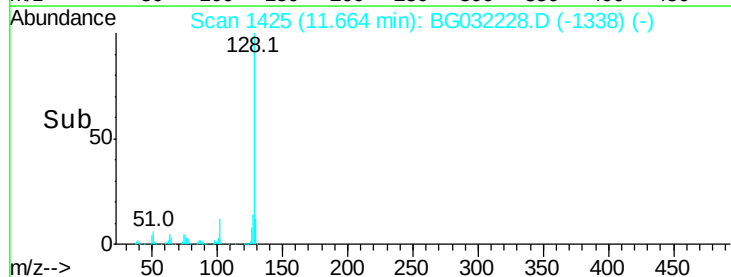
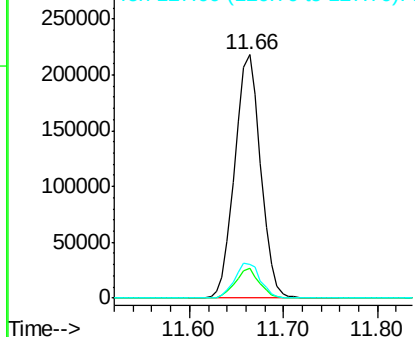


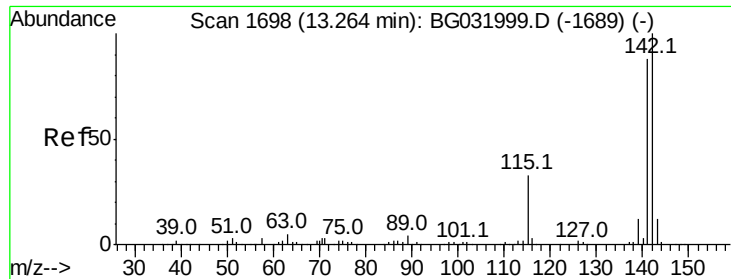
#31
 Naphthalene
 Concen: 144.876 ng
 RT: 11.66 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Tgt Ion	128	Resp	417174
Ion Ratio	Lower	Upper	
128	100		
129	12.4	8.6	12.8
127	13.8	11.6	17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC

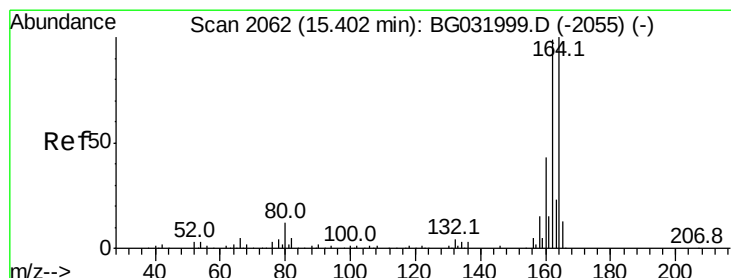
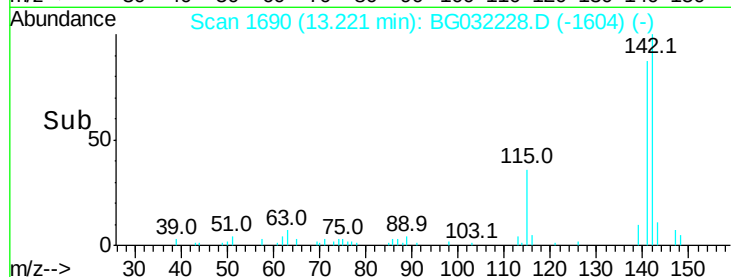
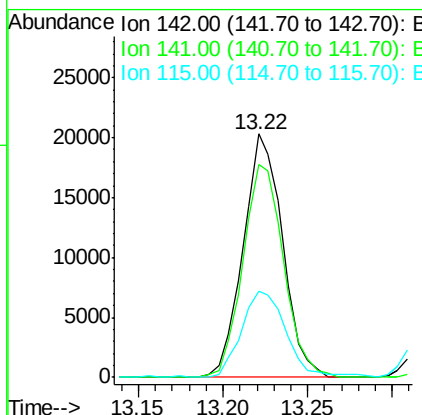
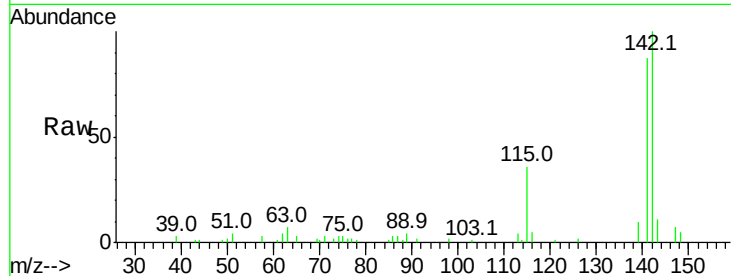




#37
 2-Methylnaphthalene
 Concen: 14.399 ng
 RT: 13.22 min Scan# 1690
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

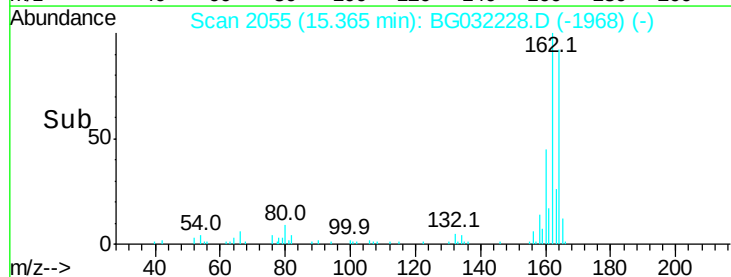
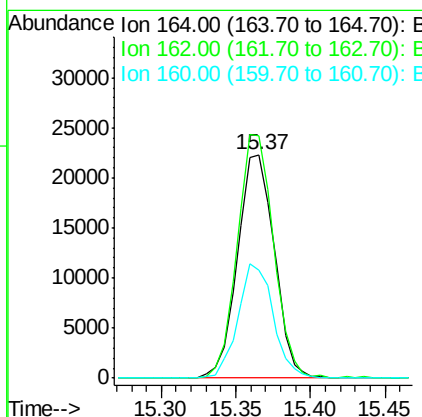
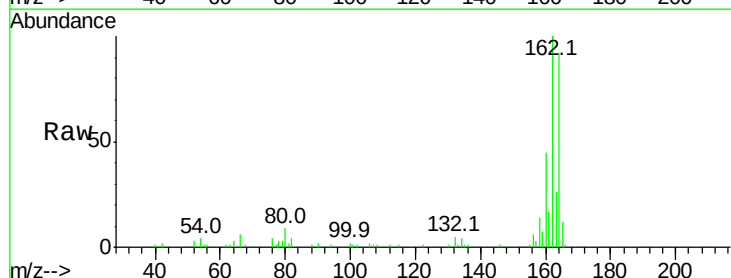
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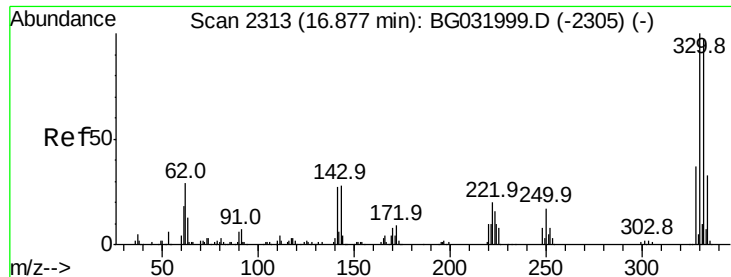
Tot Ion:142 Resp: 32917
 Ion Ratio Lower Upper
 142 100
 141 87.4 67.1 100.7
 115 35.6 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2055
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Tgt Ion:164 Resp: 38169
 Ion Ratio Lower Upper
 164 100
 162 108.8 78.8 118.2
 160 48.4 35.4 53.0

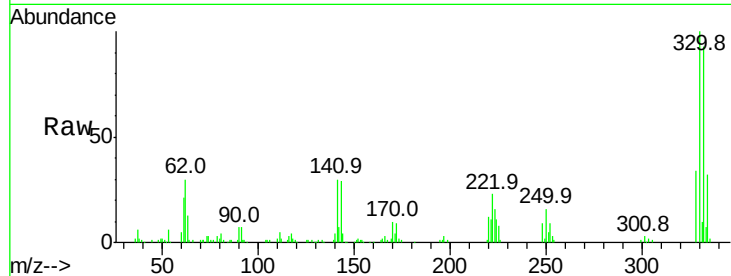




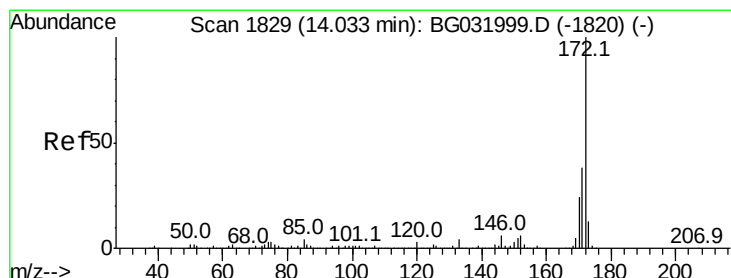
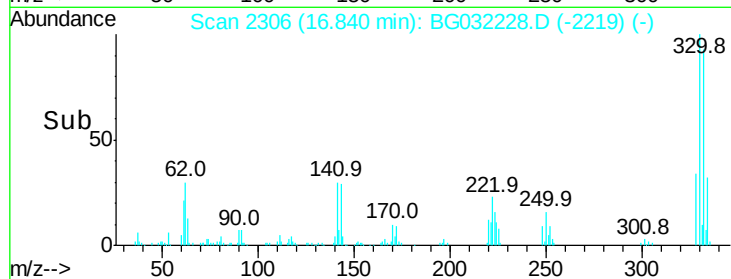
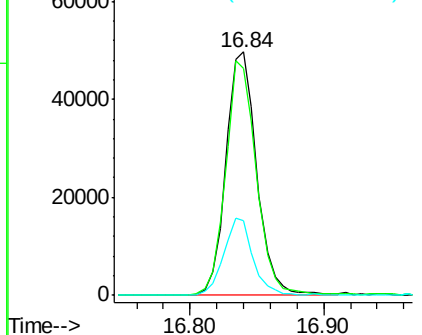
#41
 2,4,6-Tribromophenol
 Concen: 127.166 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Instrument :
 BNA_G
 ClientSampleId :
 WC-14R30-01

Tot Ion:330 Resp: 80319
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 30.2 25.2 37.8

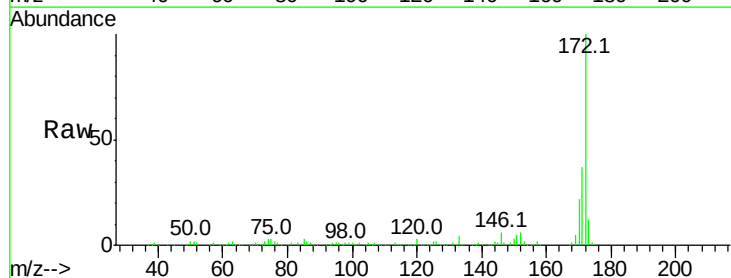


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

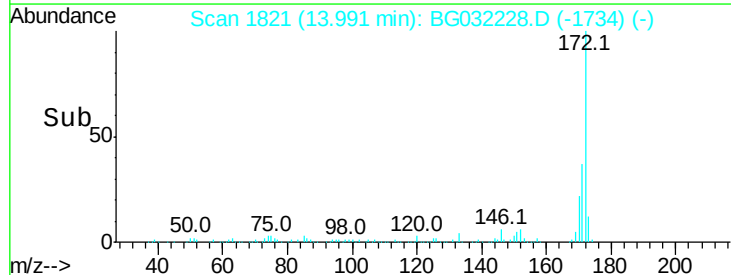
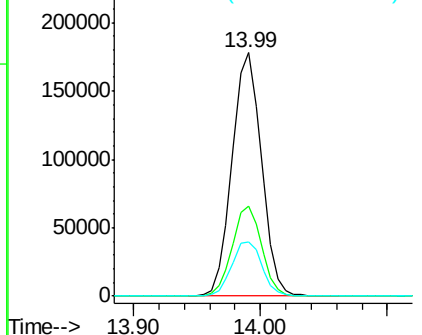


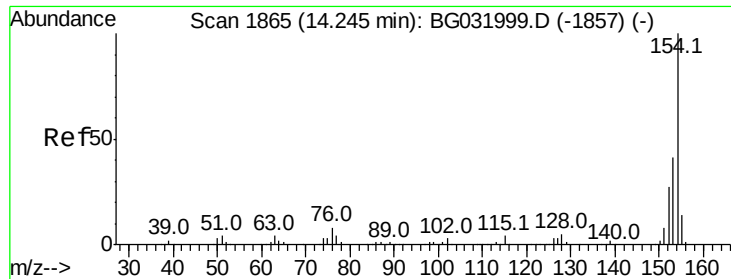
#44
 2-Fluorobiphenyl
 Concen: 92.732 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Tgt Ion:172 Resp: 285454
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.0 45.0
 170 22.4 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





#45

1,1'-Biphenyl

Concen: 2.197 ng

RT: 14.20 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

WC-14R30-01

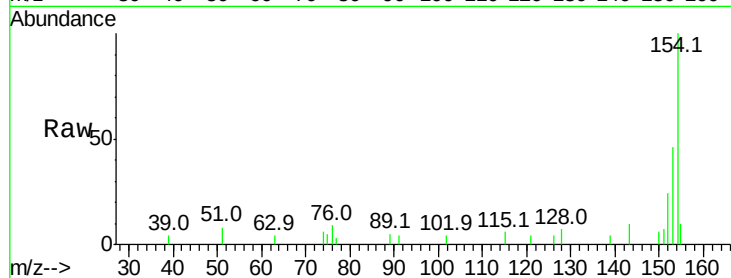
Tot Ion:154 Resp: 7188

Ion Ratio Lower Upper

154 100

153 46.0 19.8 59.8

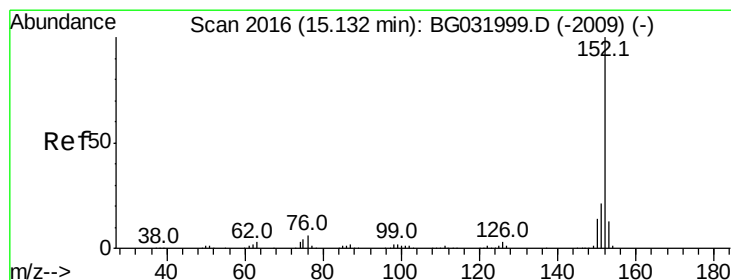
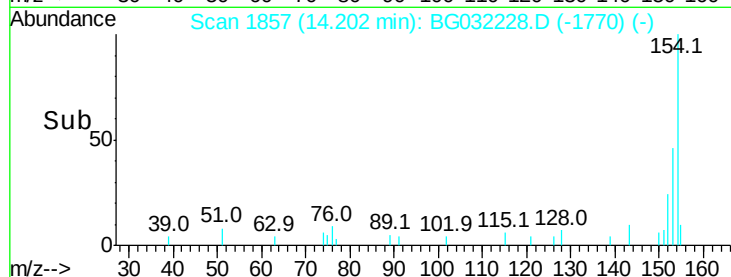
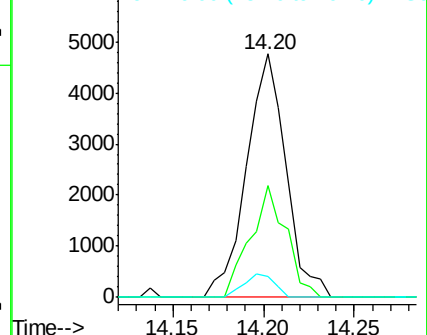
76 8.8 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#48

Acenaphthylene

Concen: 6.218 ng

RT: 15.09 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

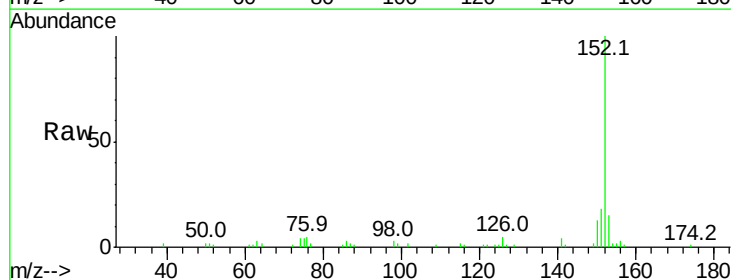
Tgt Ion:152 Resp: 24103

Ion Ratio Lower Upper

152 100

151 18.0 17.2 25.8

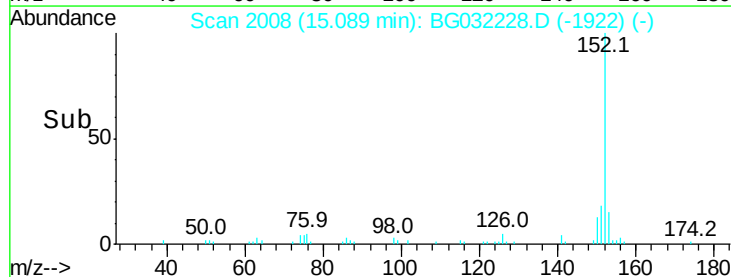
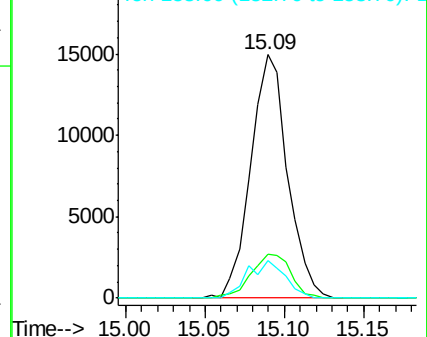
153 15.3 10.2 15.4

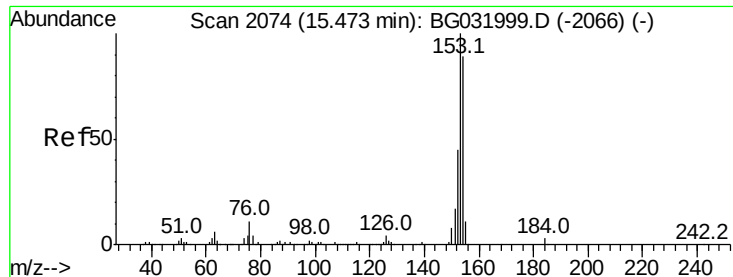


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 5.092 ng

RT: 15.42 min Scan# 2065

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

WC-14R30-01

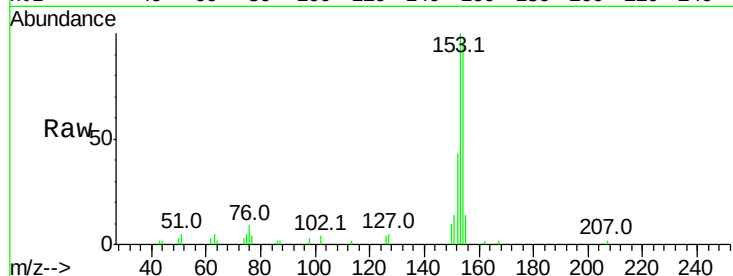
Tot Ion:154 Resp: 13051

Ion Ratio Lower Upper

154 100

153 106.7 90.4 135.6

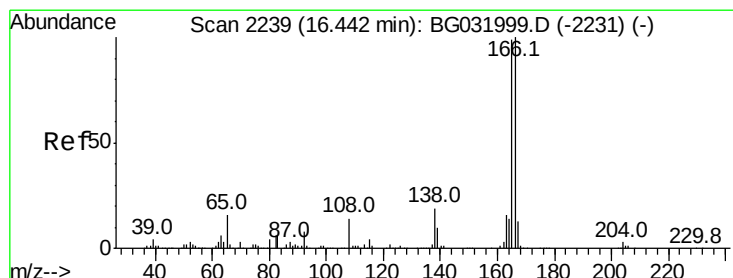
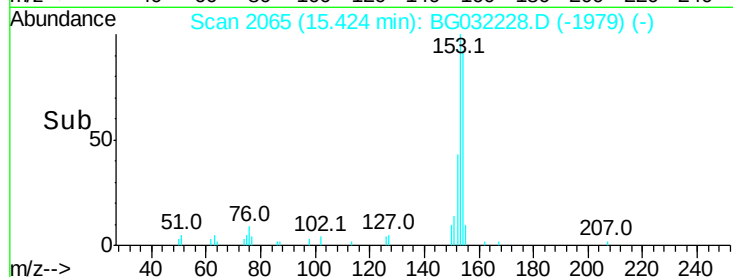
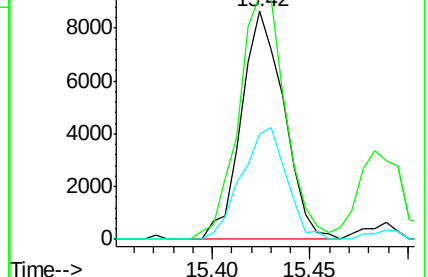
152 46.2 41.6 62.4



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



#57

Fluorene

Concen: 4.711 ng

RT: 16.40 min Scan# 2231

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

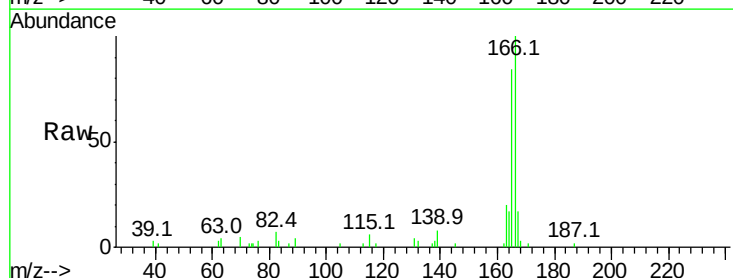
Tgt Ion:166 Resp: 14773

Ion Ratio Lower Upper

166 100

165 83.6 80.6 121.0

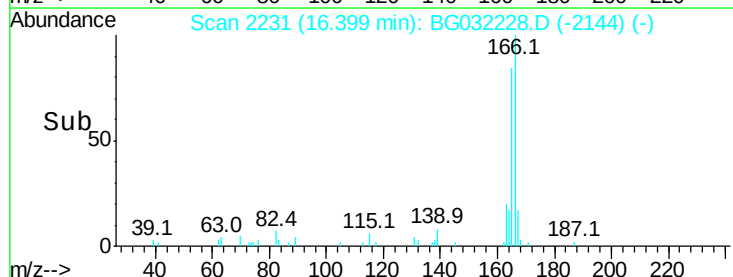
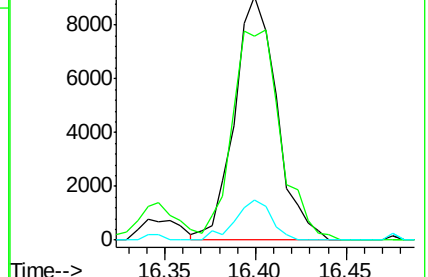
167 16.5 10.4 15.6#

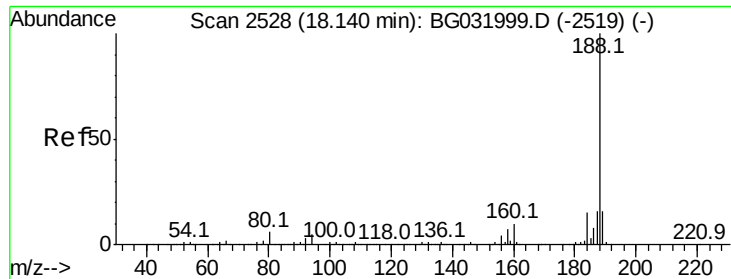


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

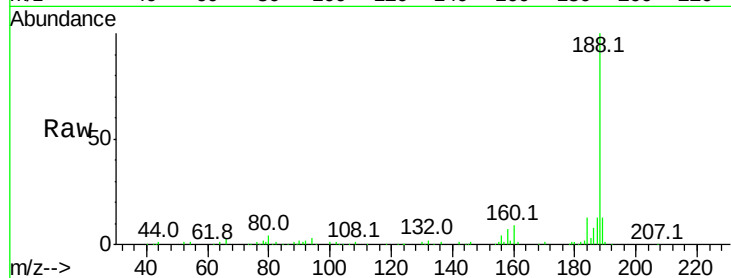




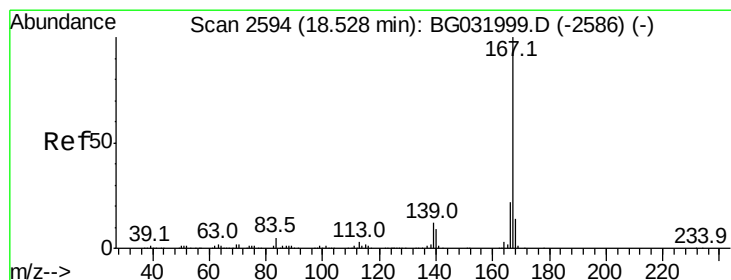
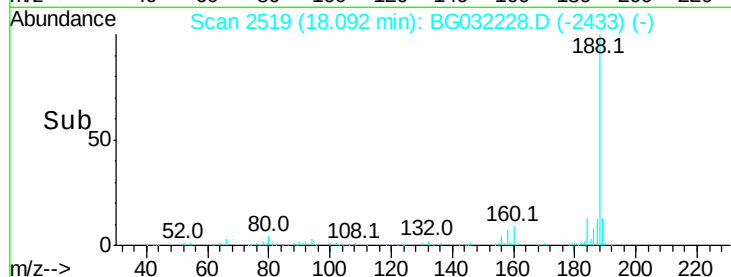
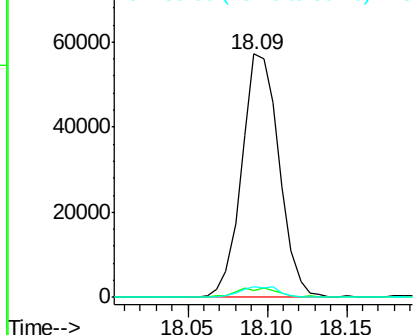
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Instrument :
BNA_G
ClientSampleId :
WC-14R30-01

Tot Ion:188 Resp: 93380
Ion Ratio Lower Upper
188 100
94 3.0 6.9 10.3#
80 4.3 7.7 11.5#

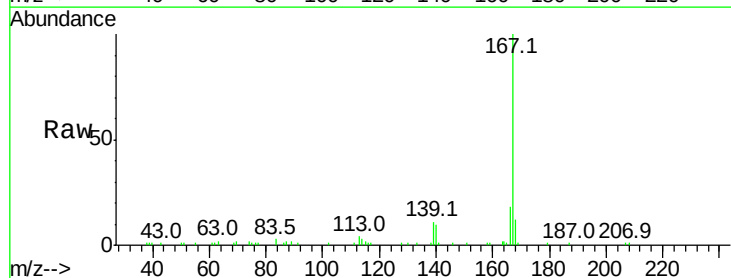


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

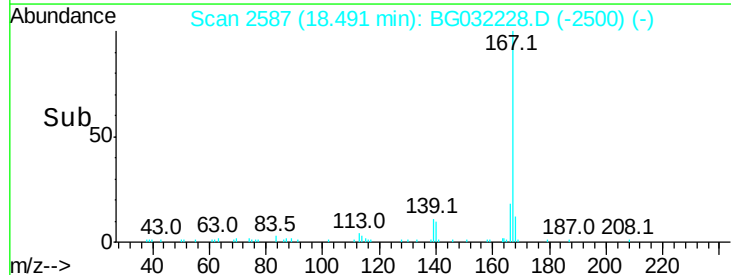
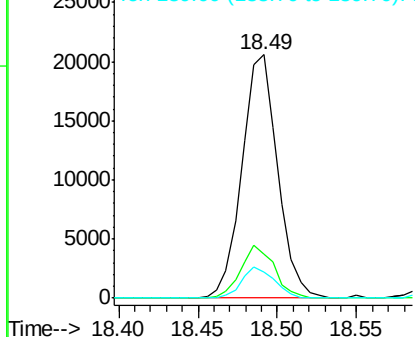


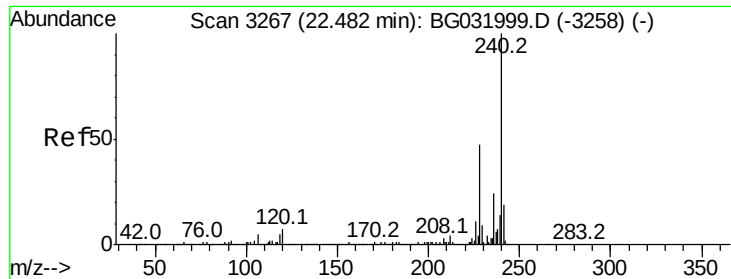
#72
Carbazole
Concen: 7.134 ng
RT: 18.49 min Scan# 2587
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion:167 Resp: 32089
Ion Ratio Lower Upper
167 100
166 18.1 18.2 27.4#
139 10.7 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: 22.43 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

WC-14R30-01

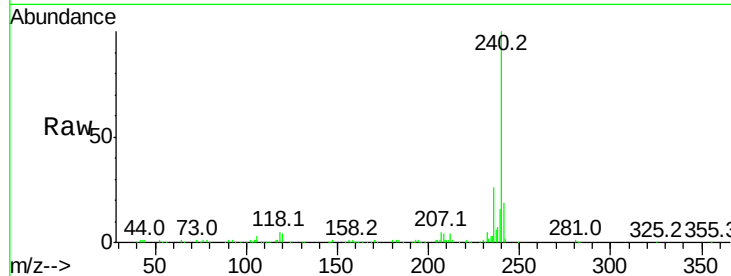
Tot Ion:240 Resp: 113073

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

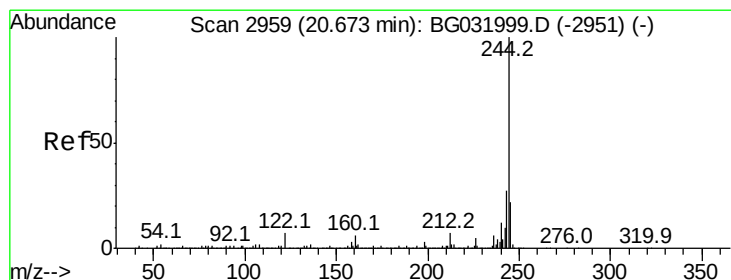
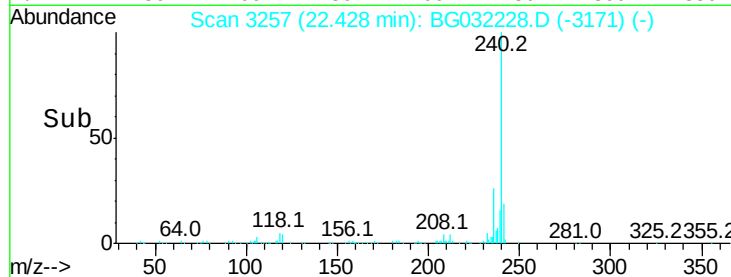
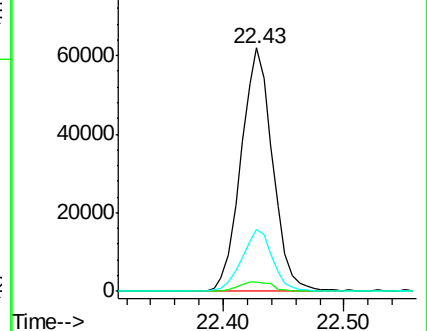
236 25.7 20.9 31.3



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: 104.464 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

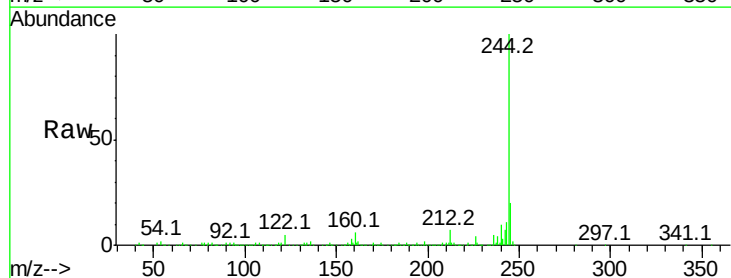
Tgt Ion:244 Resp: 534954

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

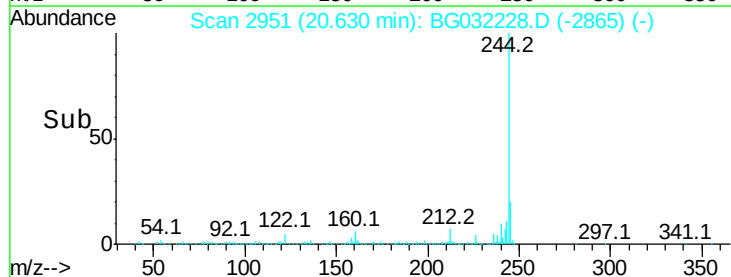
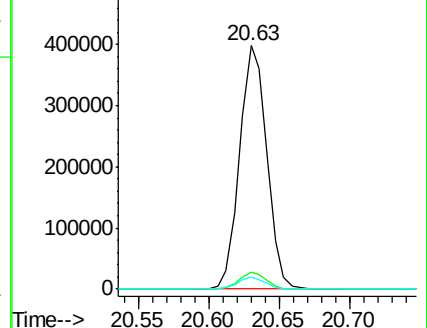
122 5.1 7.0 10.4#

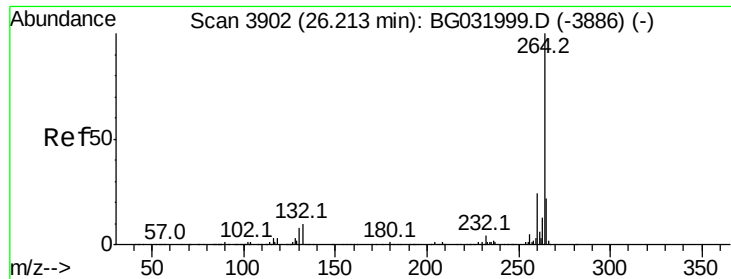


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.12 min Scan# 3886
 Delta R.T. -0.03 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Instrument :
 BNA_G
 ClientSampleId :
 WC-14R30-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.5	17.4	26.0
265	19.8	17.7	26.5

