

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020718\
 Data File : BG032603.D
 Acq On : 7 Feb 2018 20:58
 Operator : SJ/JU
 Sample : J1465-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 08 02:27:11 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

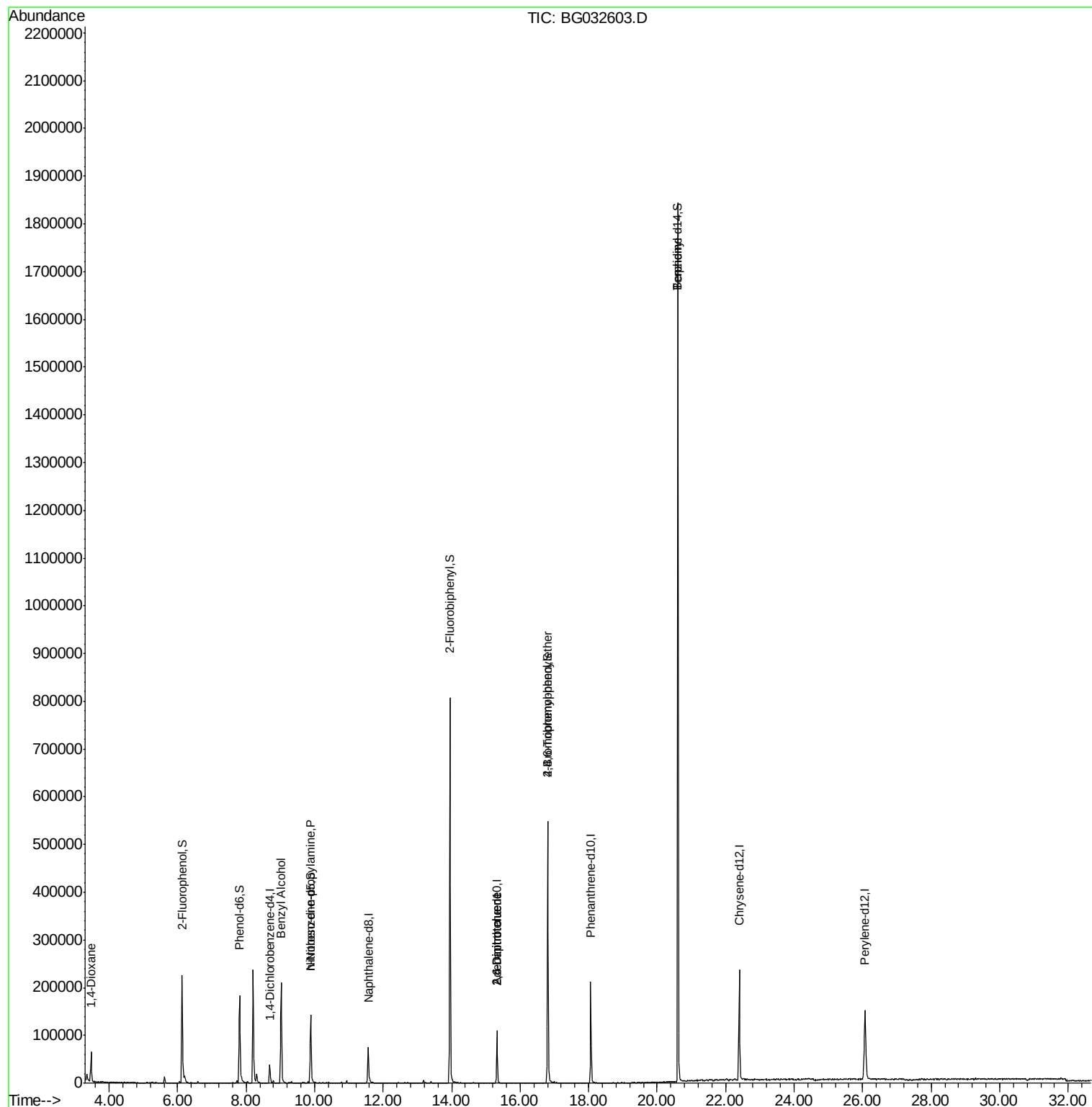
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	15046	20.00	ng	-0.02
21) Naphthalene-d8	11.56	136	78523	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	43180	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	158697	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	188025	20.00	ng	0.00
86) Perylene-d12	26.07	264	210267	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	125213	167.15	ng	-0.01
7) Phenol-d6	7.81	99	133564	133.62	ng	-0.01
23) Nitrobenzene-d5	9.88	82	98927	78.69	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	147982	180.04	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	481657	132.58	ng	-0.02
78) Terphenyl-d14	20.61	244	968238	110.31	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.47	88	528	2.09	ng	# 1
15) Benzyl Alcohol	9.02	79	1766	2.14	ng	# 52
19) n-Nitroso-di-n-propylamine	9.88	70	14073	21.23	ng	# 66
50) 2,6-Dinitrotoluene	15.32	165	5634	6.74	ng	# 18
56) 2,4-Dinitrotoluene	15.32	165	5634	4.74	ng	# 16
66) 4-Bromophenyl-phenylether	16.80	248	10578	4.50	ng	# 1
76) Benzidine	20.61	184	13628	3.69	ng	# 94

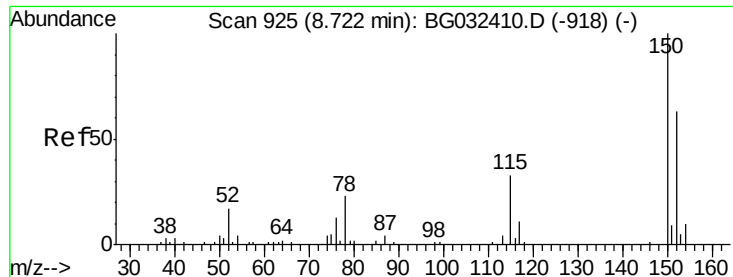
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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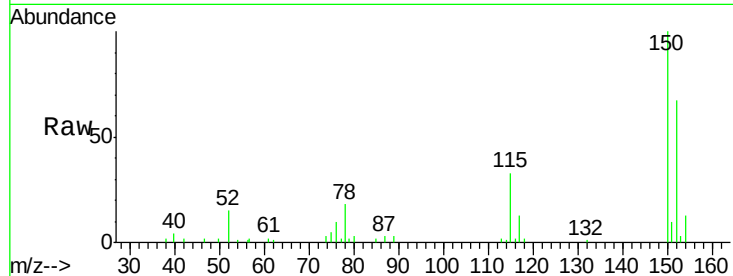


#1

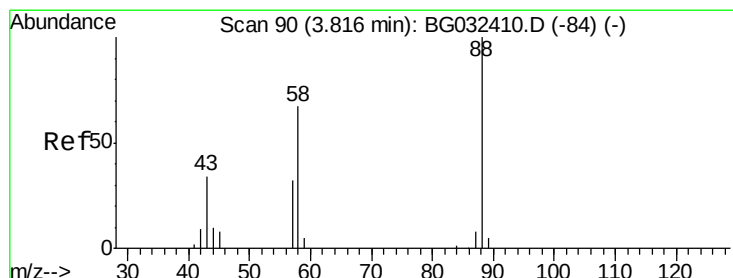
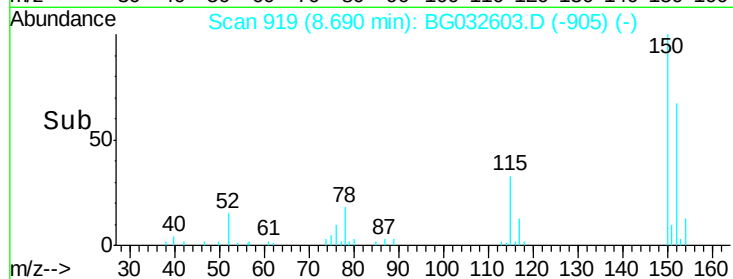
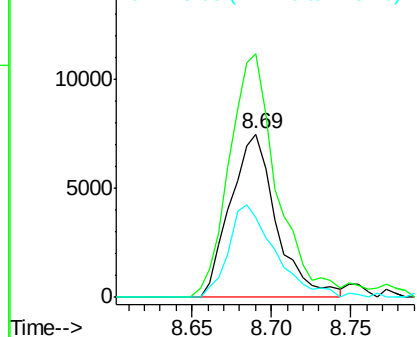
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.69 min Scan# 919
Delta R.T. -0.02 min
Lab File: BG032603.D
Acq: 7 Feb 2018 20:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 15046
Ion Ratio Lower Upper
152 100
150 148.8 126.6 189.8
115 49.1 53.0 79.4#



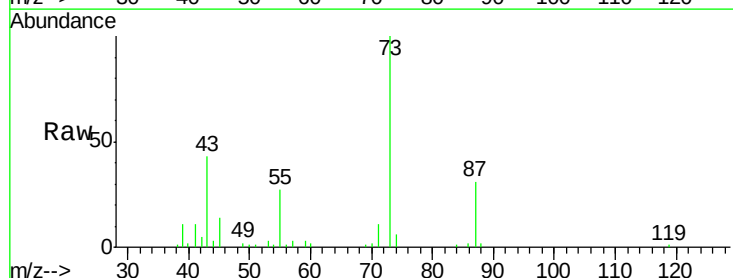
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



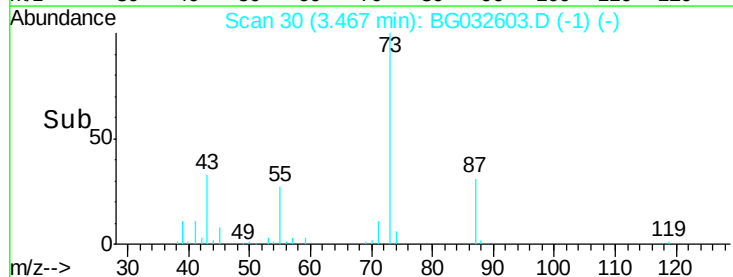
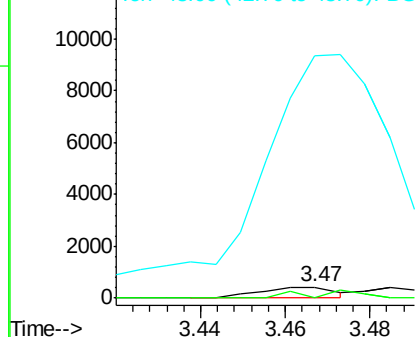
#2

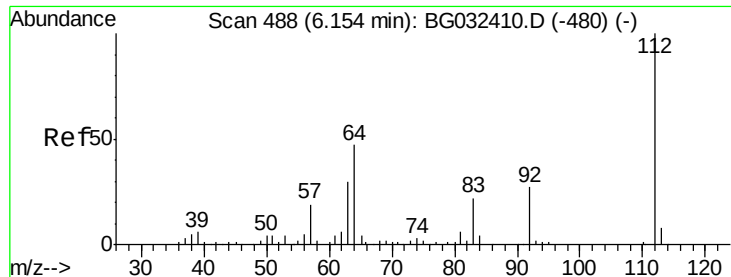
1,4-Dioxane
Concen: 2.09 ng
RT: 3.47 min Scan# 30
Delta R.T. -0.34 min
Lab File: BG032603.D
Acq: 7 Feb 2018 20:58

Tgt Ion: 88 Resp: 528
Ion Ratio Lower Upper
88 100
58 49.4 79.6 119.4#
43 3461.4 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 167.15 ng

RT: 6.13 min Scan# 483

Delta R.T. -0.01 min

Lab File: BG032603.D

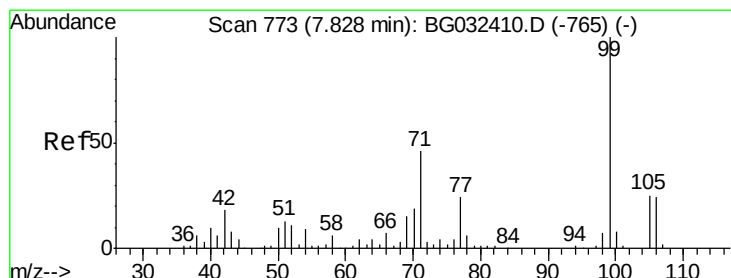
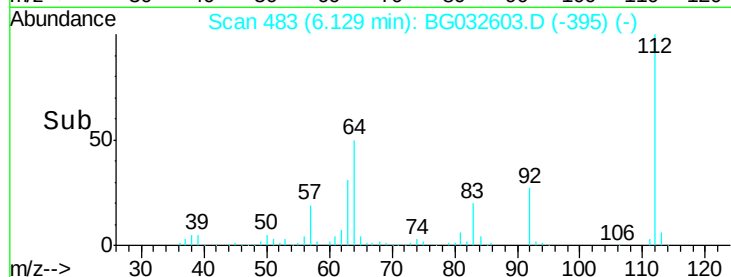
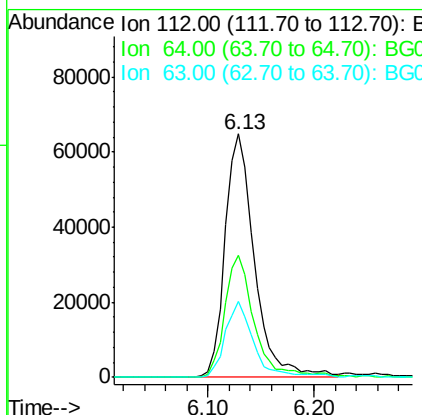
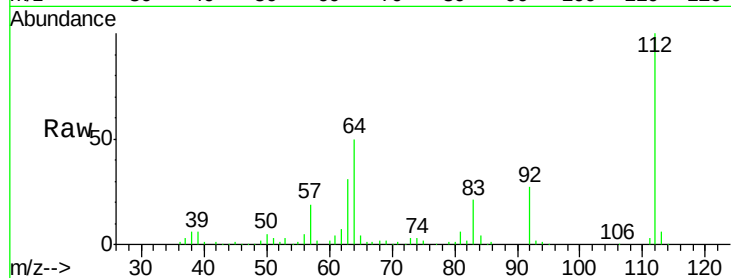
Acq: 7 Feb 2018 20:58

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	125213
Ion	Ratio	Lower	Upper
112	100		
64	50.3	56.3	84.5#
63	31.4	30.1	45.1



#7

Phenol-d6

Concen: 133.62 ng

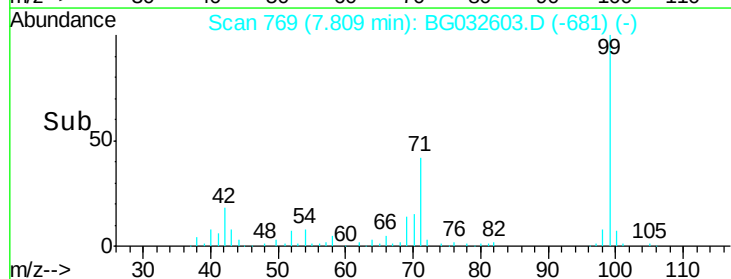
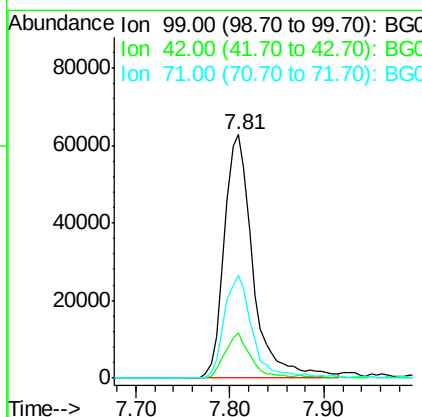
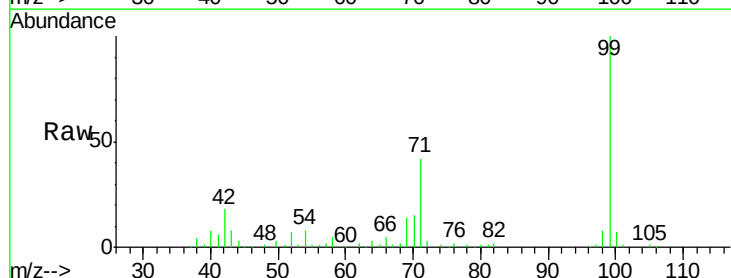
RT: 7.81 min Scan# 769

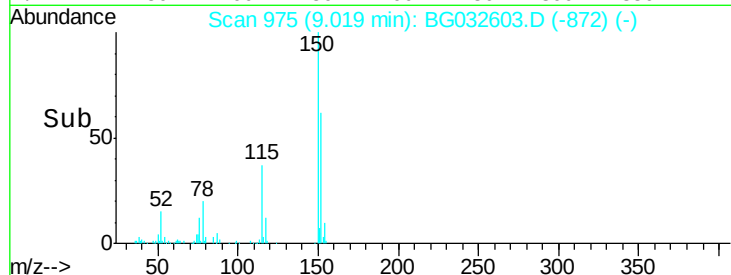
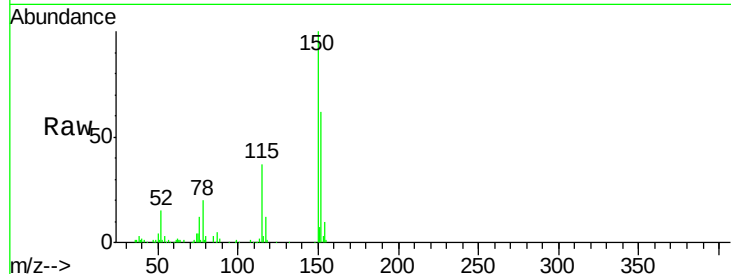
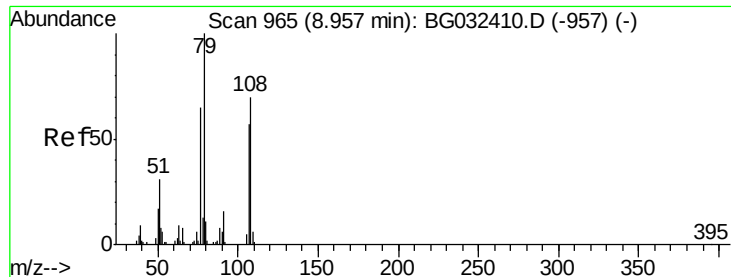
Delta R.T. -0.01 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

Tgt Ion:	99	Resp:	133564
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.1	21.1
71	42.3	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.07 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

Instrument :

BNA_G

ClientSampled :

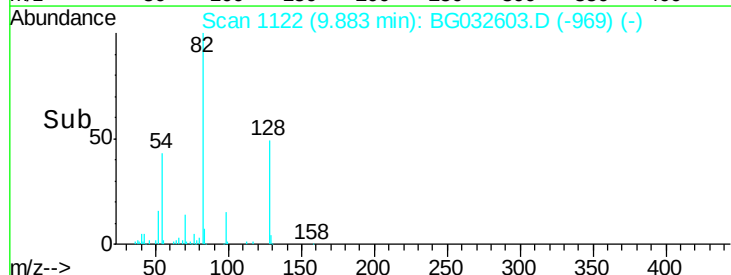
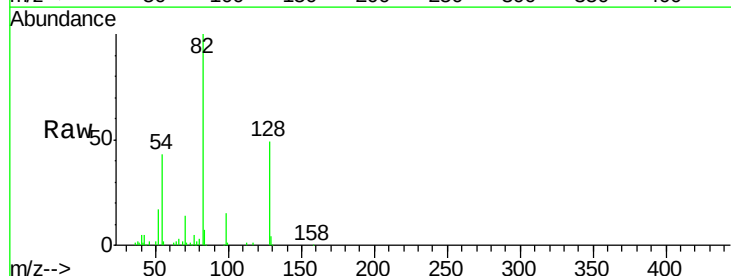
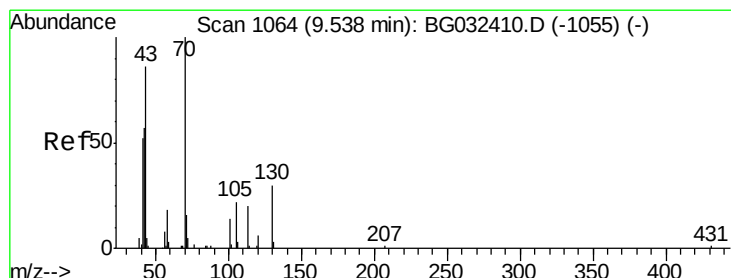
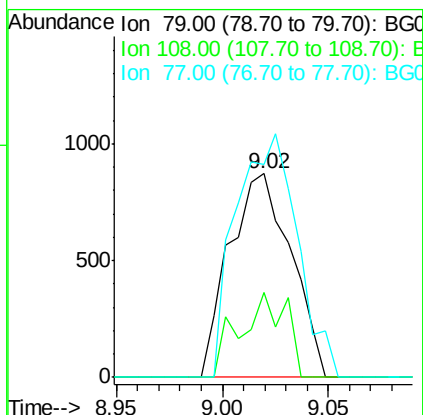
Tot Ion: 79 Resp: 1766

Ion Ratio Lower Upper

79 100

108 41.6 57.2 85.8#

77 104.4 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 21.23 ng

RT: 9.88 min Scan# 1122

Delta R.T. 0.37 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

Tgt Ion: 70 Resp: 14073

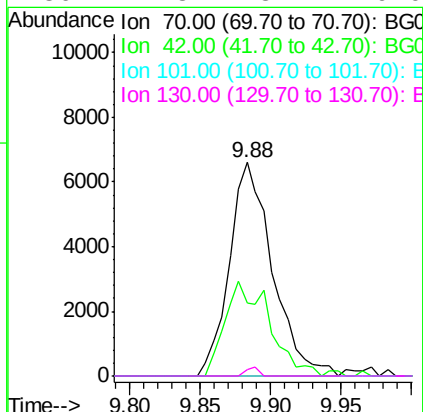
Ion Ratio Lower Upper

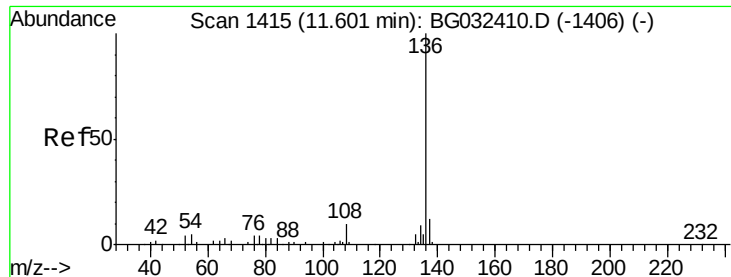
70 100

42 34.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.56 min Scan# 1408

Delta R.T. -0.02 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 78523

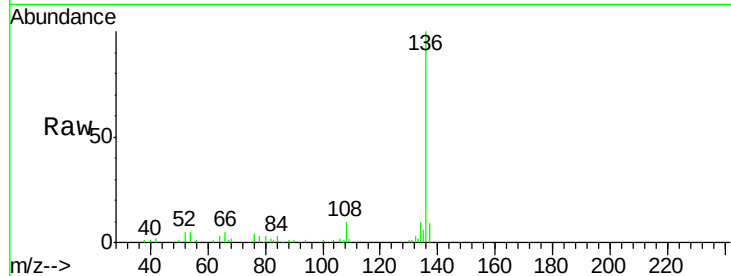
Ion Ratio Lower Upper

136 100

137 8.7 9.2 13.8#

54 5.1 10.3 15.5#

68 1.7 4.5 6.7#

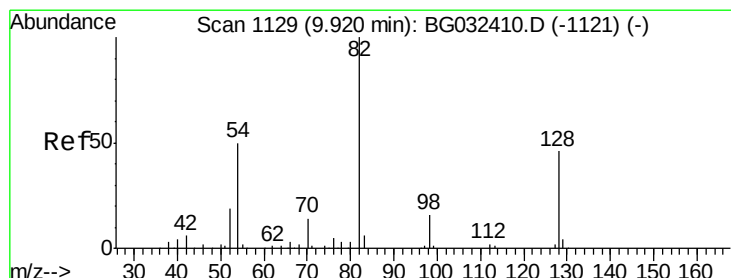
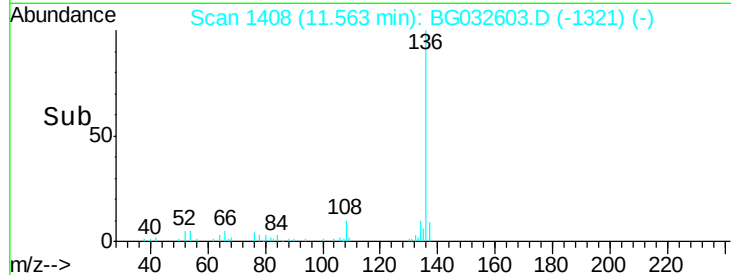
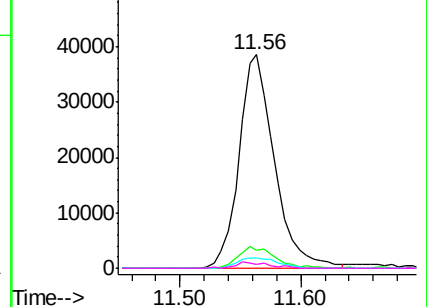


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.69 ng

RT: 9.88 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

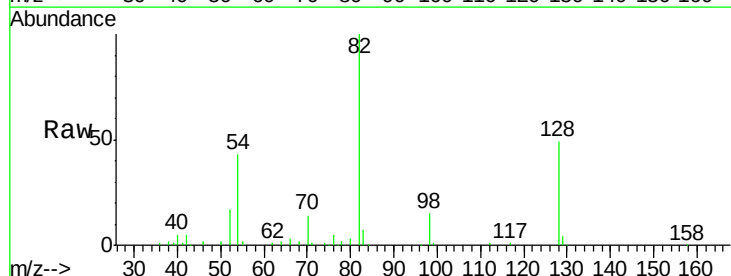
Tgt Ion: 82 Resp: 98927

Ion Ratio Lower Upper

82 100

128 49.5 29.7 44.5#

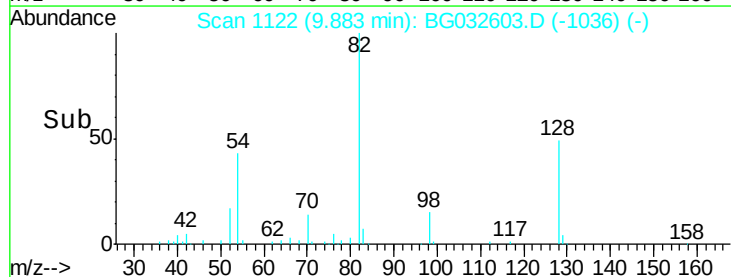
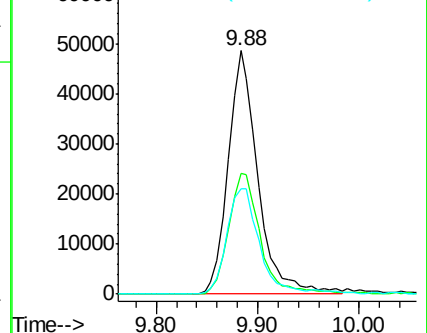
54 43.4 43.1 64.7

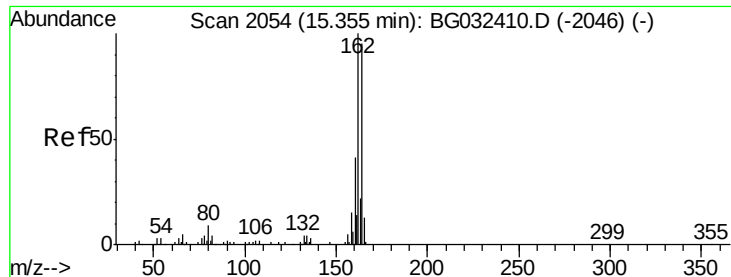


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.32 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

Instrument :

BNA_G

ClientSampleId :

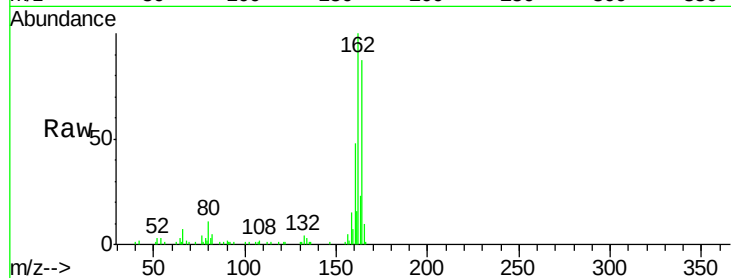
Tot Ion:164 Resp: 43180

Ion Ratio Lower Upper

164 100

162 115.6 78.8 118.2

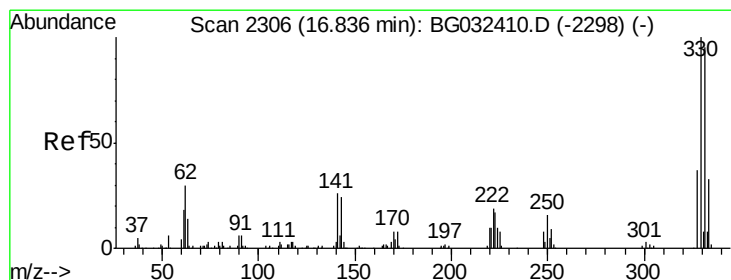
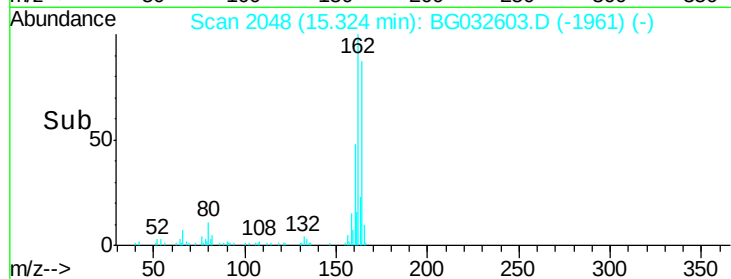
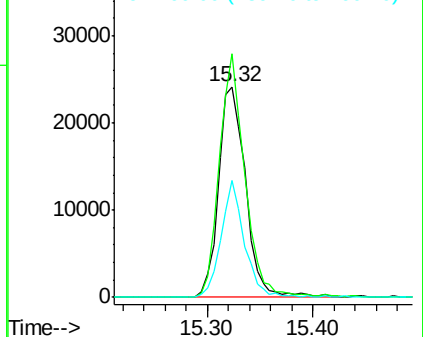
160 55.4 35.4 53.0#



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: 180.04 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

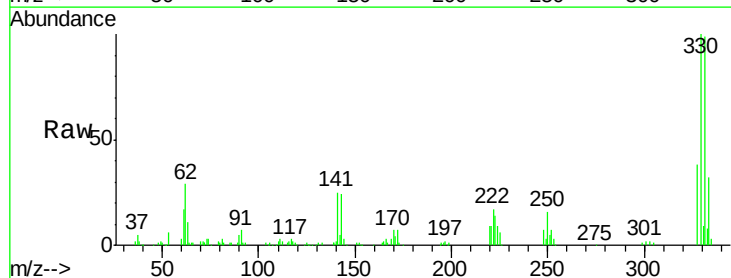
Tgt Ion:330 Resp: 147982

Ion Ratio Lower Upper

330 100

332 99.2 77.0 115.6

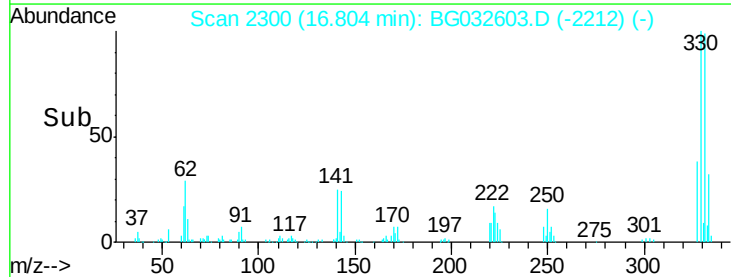
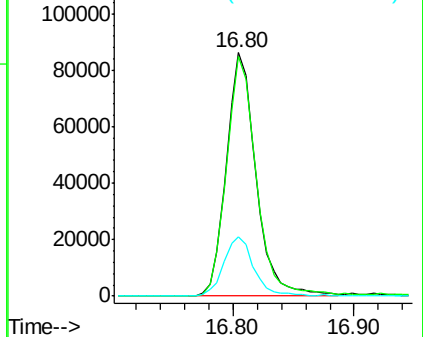
141 24.5 25.2 37.8#

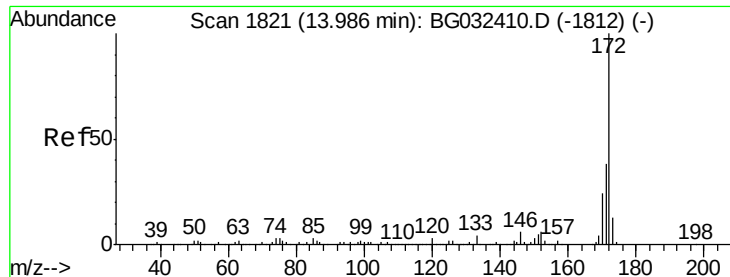


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

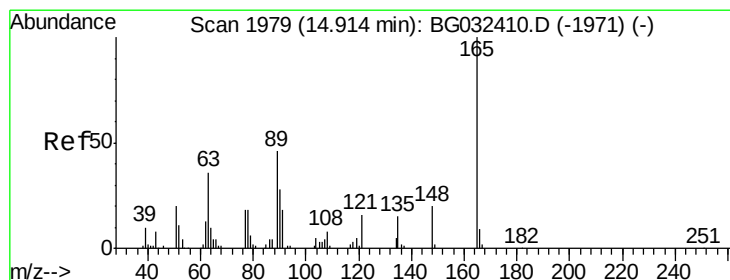
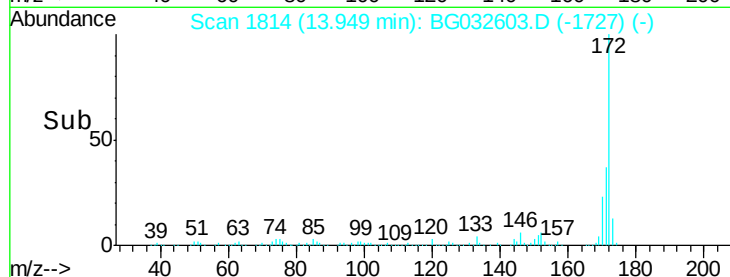
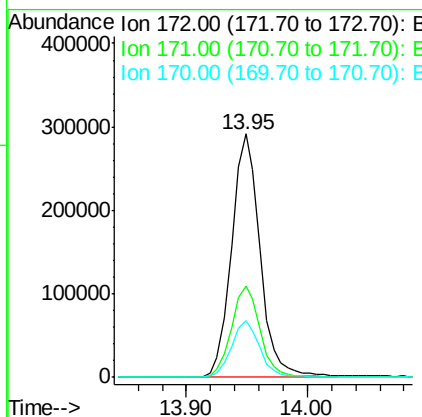
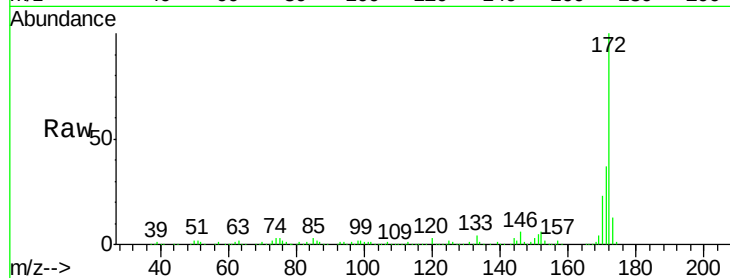




#44
 2-Fluorobiphenyl
 Concen: 132.58 ng
 RT: 13.95 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG032603.D
 Acq: 7 Feb 2018 20:58

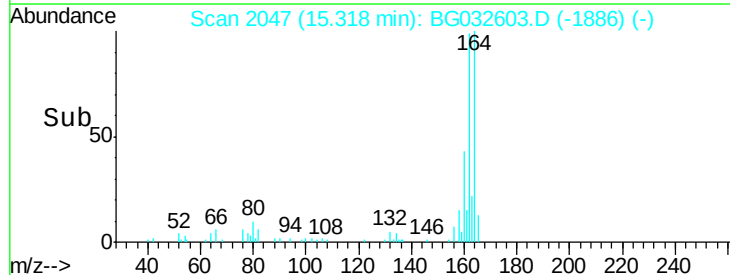
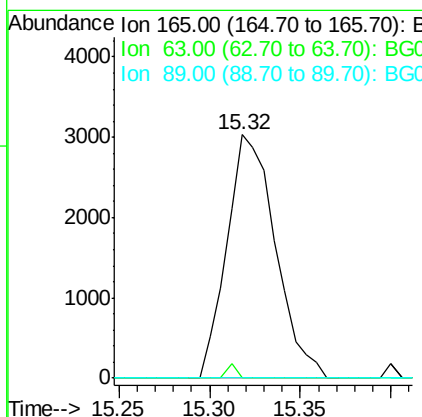
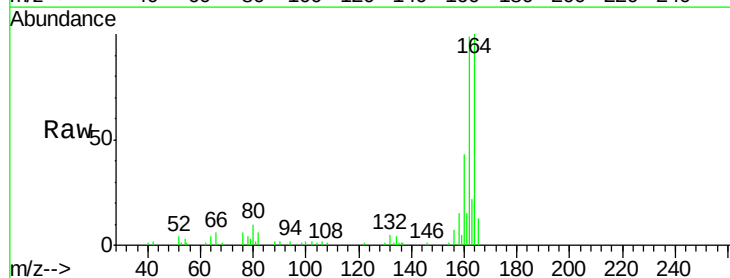
Instrument :
 BNA_G
 ClientSampleId :

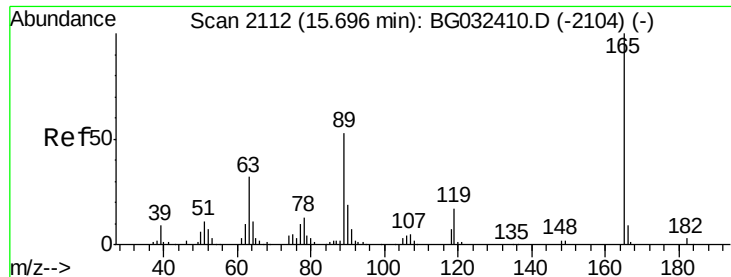
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	23.2	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.74 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. 0.41 min
 Lab File: BG032603.D
 Acq: 7 Feb 2018 20:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 4.74 ng

RT: 15.32 min Scan# 2047

Delta R.T. -0.37 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 5634

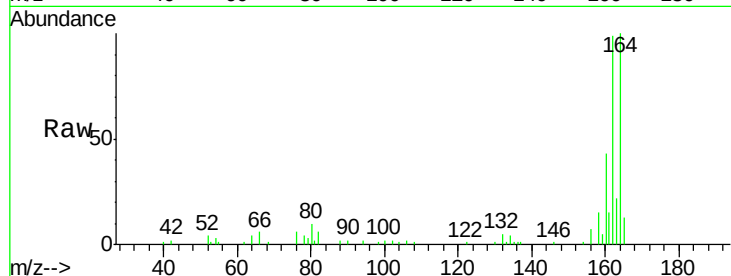
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

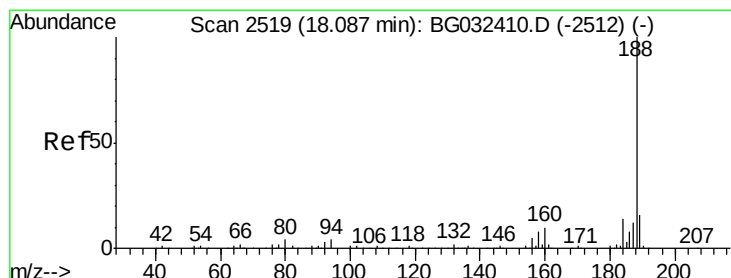
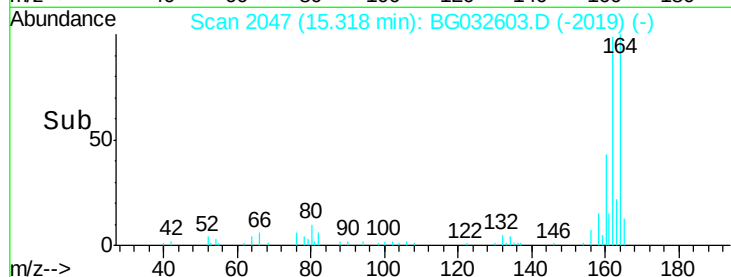
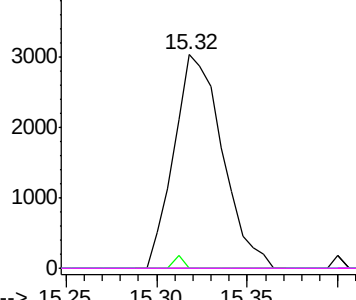


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.06 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

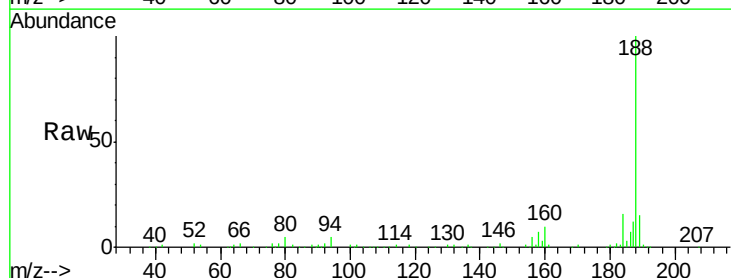
Tgt Ion:188 Resp: 158697

Ion Ratio Lower Upper

188 100

94 5.0 6.9 10.3#

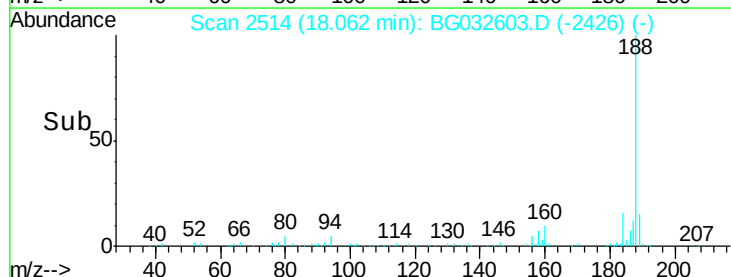
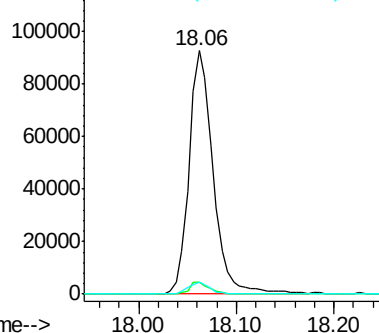
80 4.9 7.7 11.5#

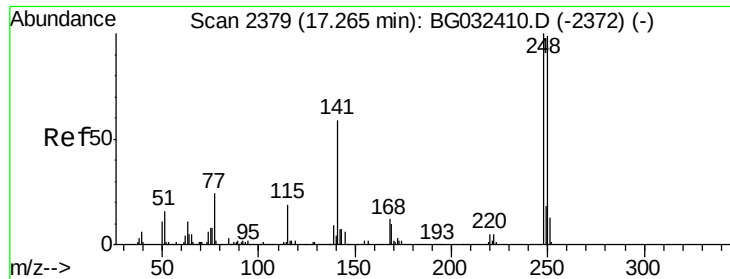


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

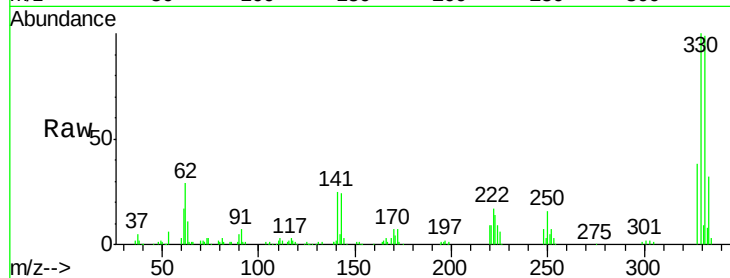




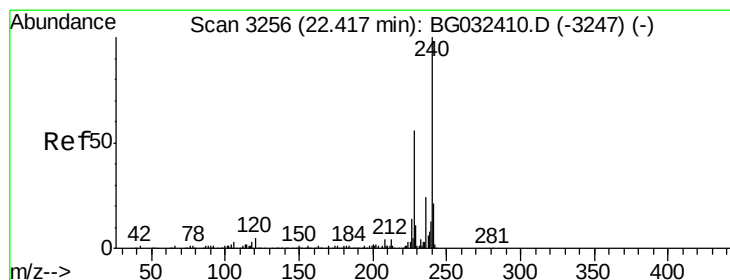
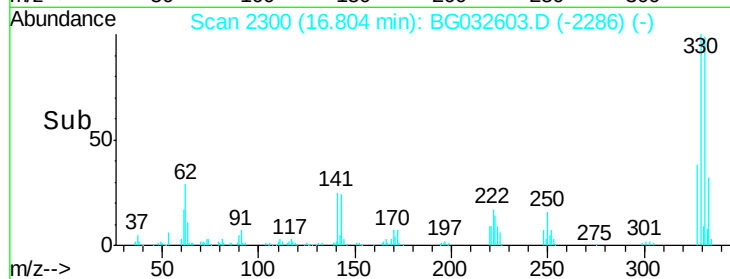
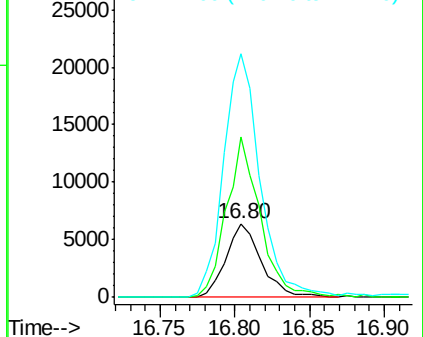
#66
4-Bromophenyl-phenylether
Concen: 4.50 ng
RT: 16.80 min Scan# 2300
Delta R.T. -0.45 min
Lab File: BG032603.D
Acq: 7 Feb 2018 20:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 10578
Ion Ratio Lower Upper
248 100
250 218.5 77.1 115.7#
141 332.0 50.8 76.2#

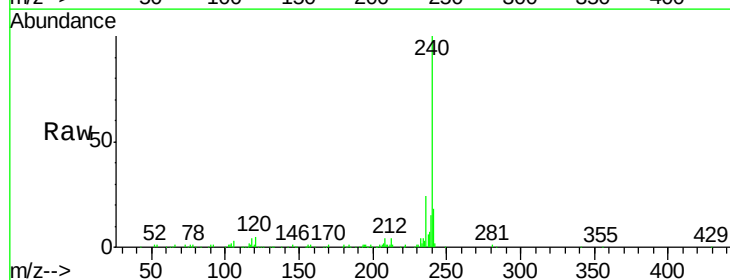


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

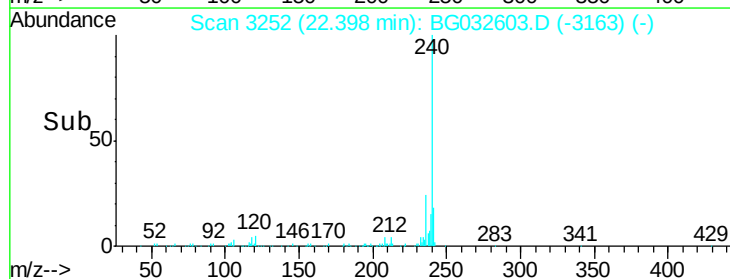
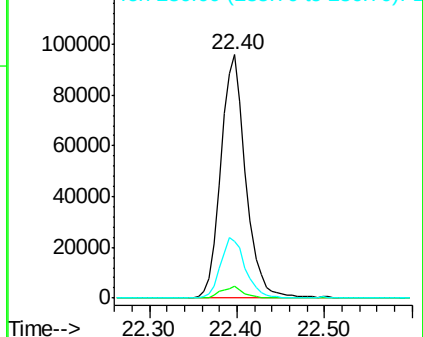


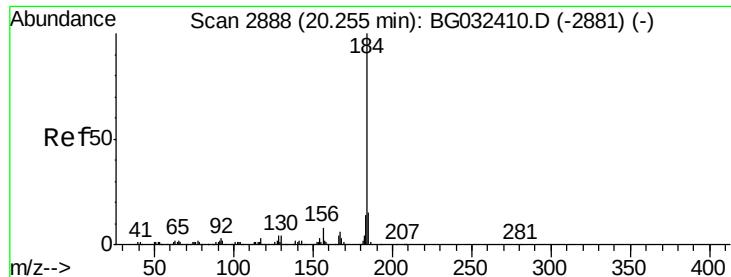
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.40 min Scan# 3252
Delta R.T. -0.01 min
Lab File: BG032603.D
Acq: 7 Feb 2018 20:58

Tgt Ion:240 Resp: 188025
Ion Ratio Lower Upper
240 100
120 4.7 6.8 10.2#
236 23.5 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: 3.69 ng

RT: 20.61 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

Instrument :

BNA_G

ClientSampleId :

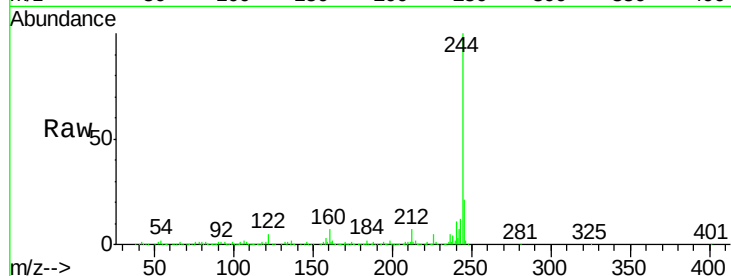
Tot Ion:184 Resp: 13628

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

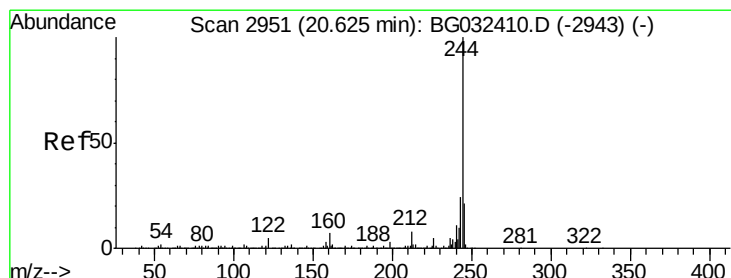
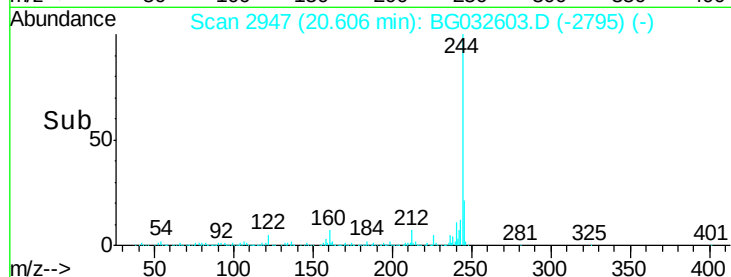
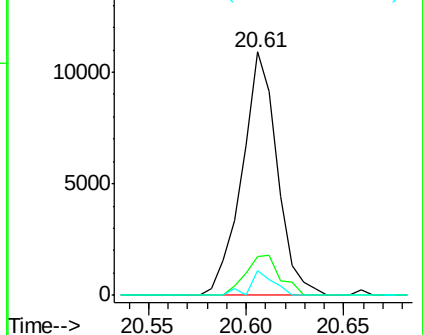
183 10.1 10.6 16.0#



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: 110.31 ng

RT: 20.61 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032603.D

Acq: 7 Feb 2018 20:58

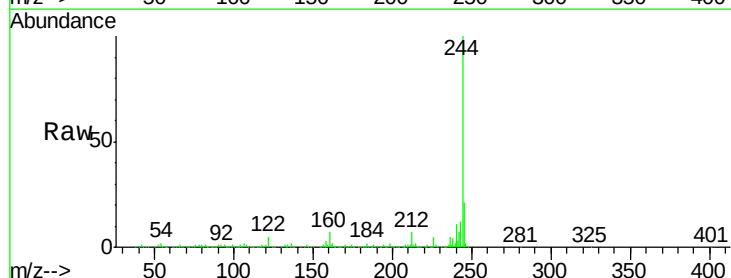
Tgt Ion:244 Resp: 968238

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

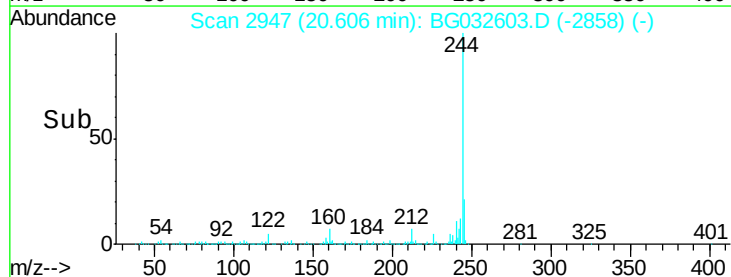
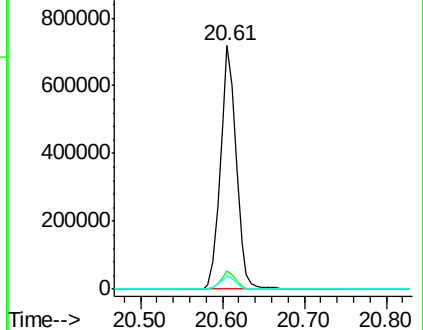
122 5.4 7.0 10.4#

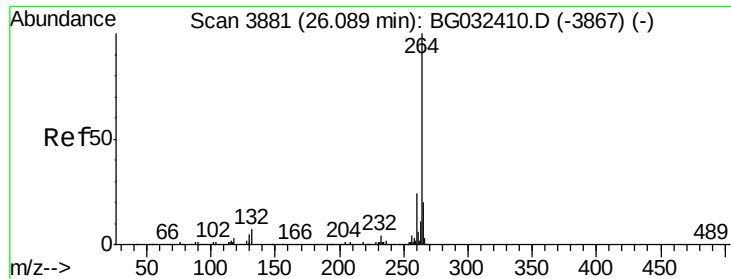


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

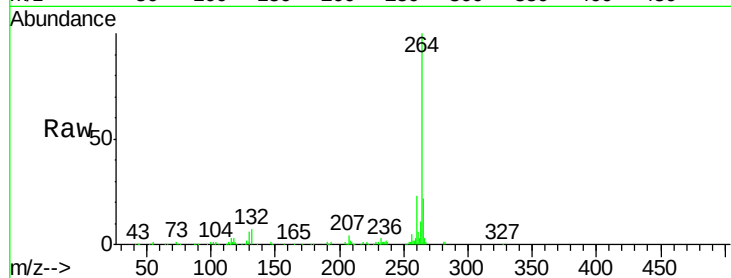




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.07 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: BG032603.D
 Acq: 7 Feb 2018 20:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.9	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

