

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039203.D
 Acq On : 18 Jan 2019 3:48
 Operator : JU/SJ
 Sample : K1157-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-02-011519

Quant Time: Jan 18 05:37:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

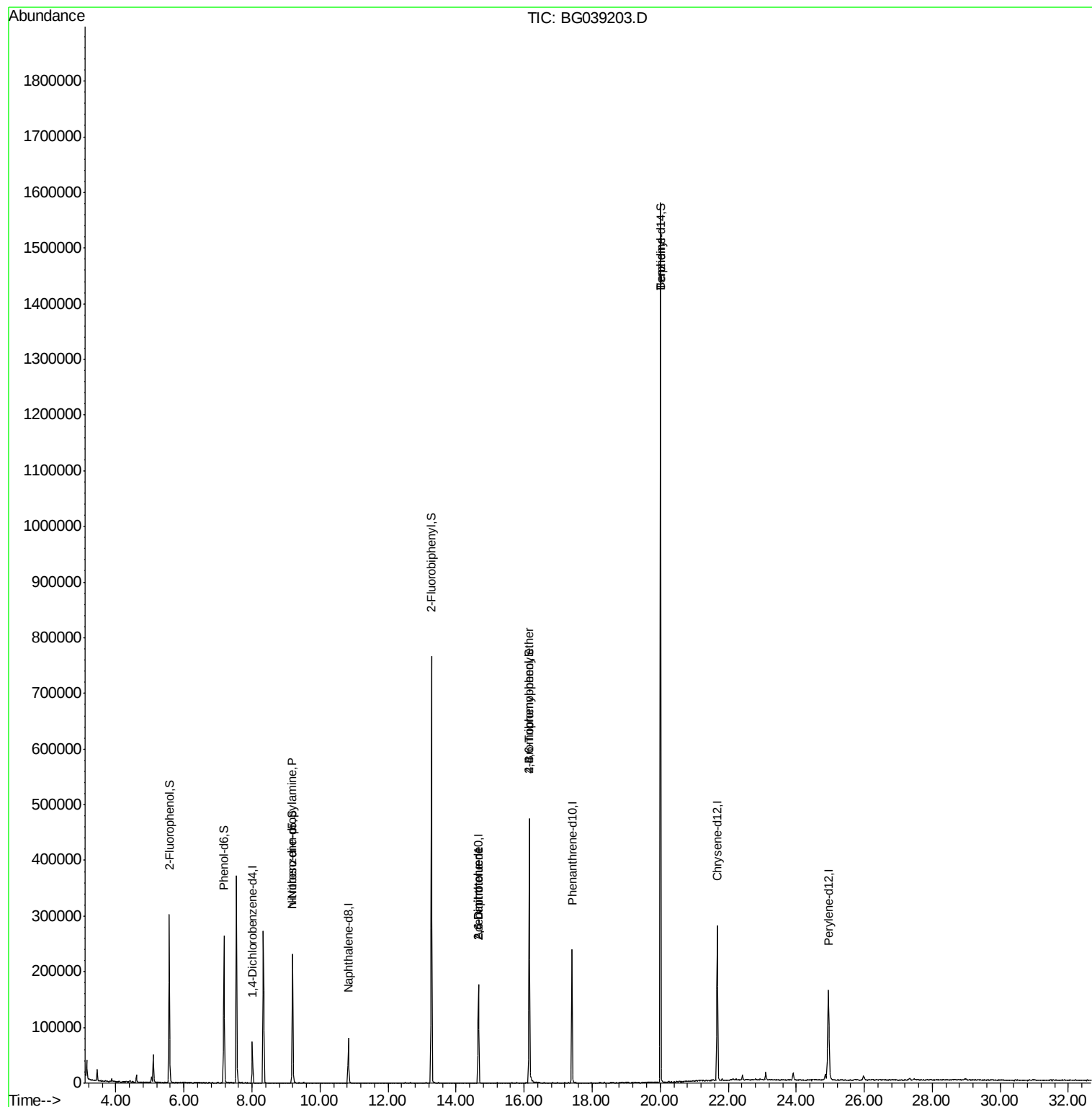
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	21864	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	76424	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	67035	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	163745	20.00	ng	0.00
76) Chrysene-d12	21.68	240	191166	20.00	ng	0.00
87) Perylene-d12	24.95	264	205248	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	137493	119.29	ng	0.00
7) Phenol-d6	7.17	99	165747	99.93	ng	0.00
23) Nitrobenzene-d5	9.19	82	139205	99.67	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	112184	99.84	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	426663	87.11	ng	0.00
79) Terphenyl-d14	20.01	244	799764	77.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	18466	16.953	ng	# 70
51) 2,6-Dinitrotoluene	14.66	165	8795	6.944	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	8795	4.840	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	7115	3.380	ng	# 1
77) Benzidine	20.01	184	12144	2.077	ng	# 96

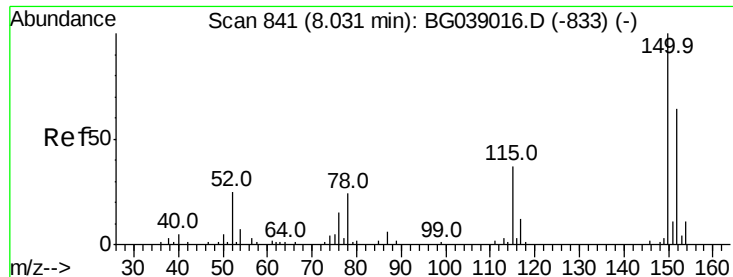
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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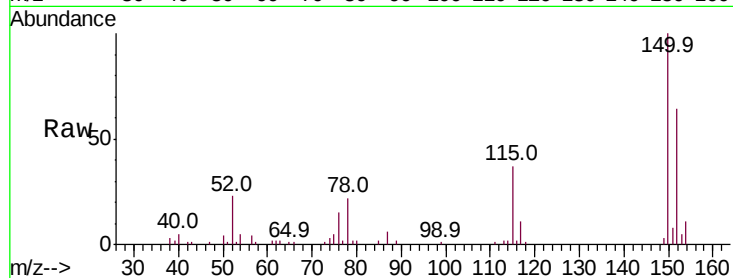


#1

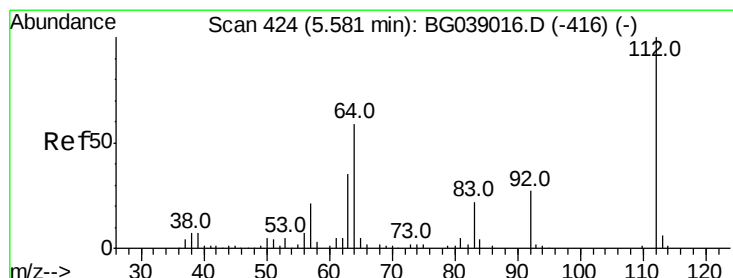
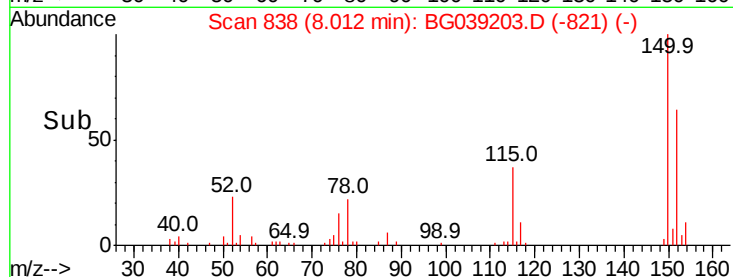
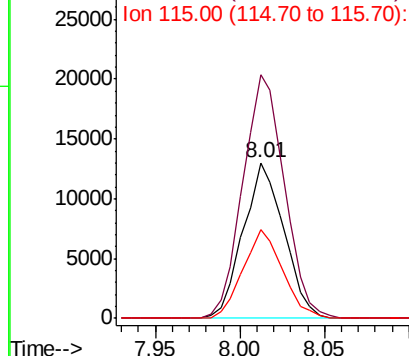
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039203.D
Acq: 18 Jan 2019 3:48

Instrument :
BNA_G
ClientSampleId :
WC-02-011519

Tot Ion:152 Resp: 21864
Ion Ratio Lower Upper
152 100
150 156.5 124.7 187.1
115 57.1 46.5 69.7



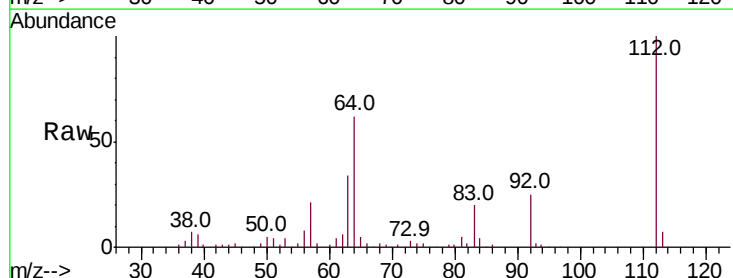
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



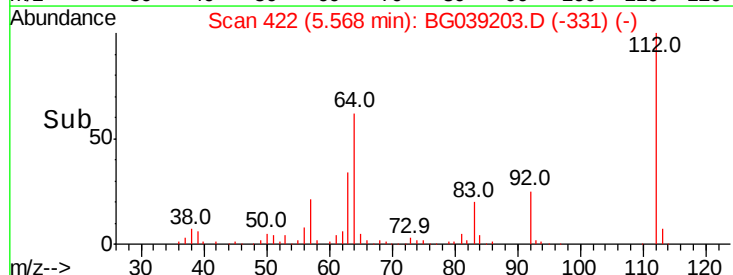
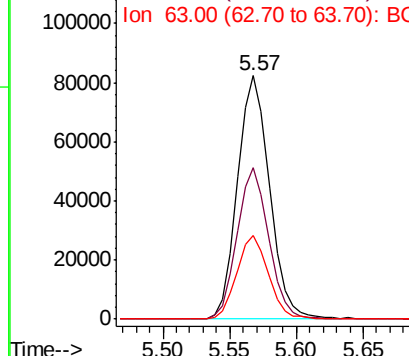
#5

2-Fluorophenol
Concen: 119.293 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039203.D
Acq: 18 Jan 2019 3:48

Tgt Ion:112 Resp: 137493
Ion Ratio Lower Upper
112 100
64 62.1 47.0 70.6
63 34.3 28.0 42.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 99.926 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

Instrument :

BNA_G

ClientSampleId :

WC-02-011519

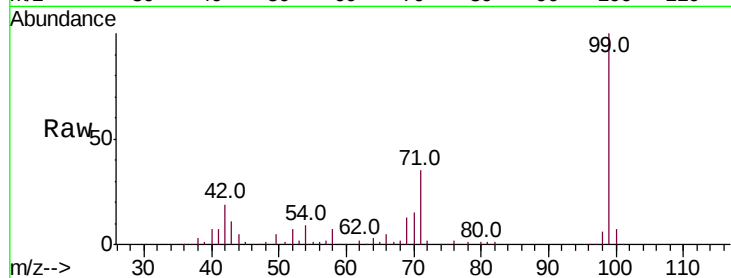
Tot Ion: 99 Resp: 165747

Ion Ratio Lower Upper

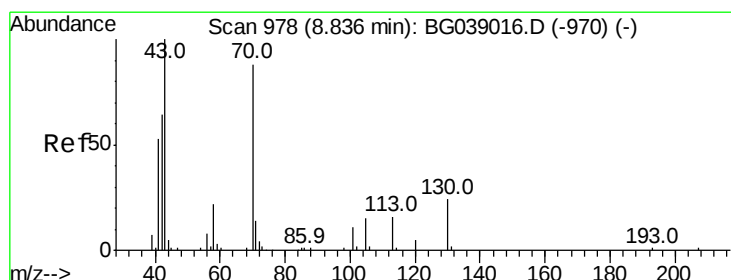
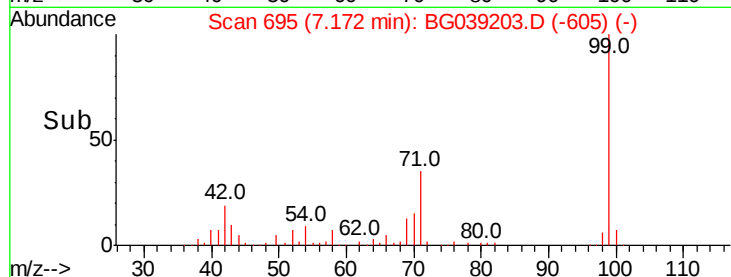
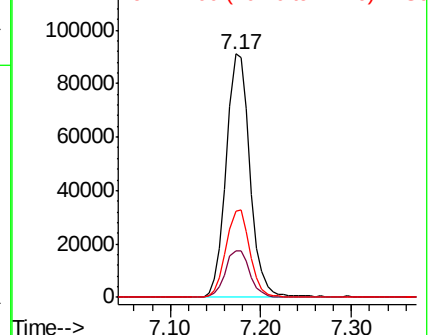
99 100

42 19.2 15.8 23.6

71 35.3 30.2 45.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.953 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.37 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

Tgt Ion: 70 Resp: 18466

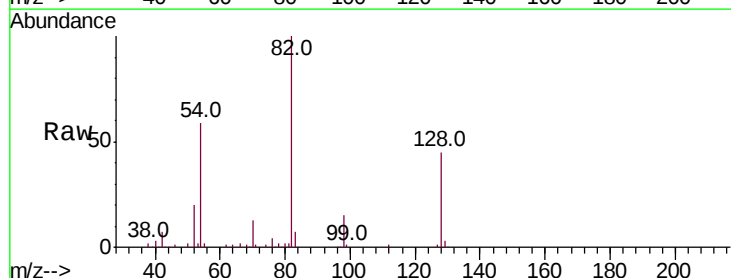
Ion Ratio Lower Upper

70 100

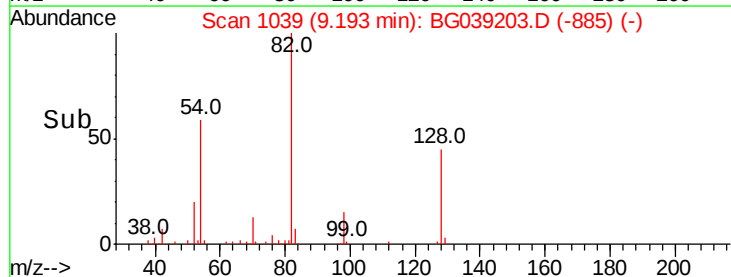
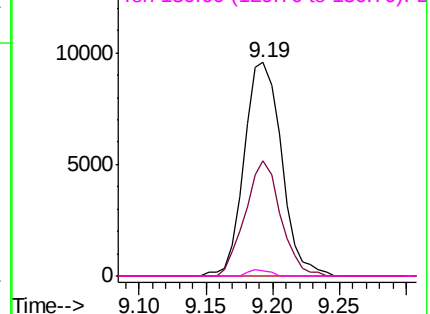
42 54.0 59.0 88.4#

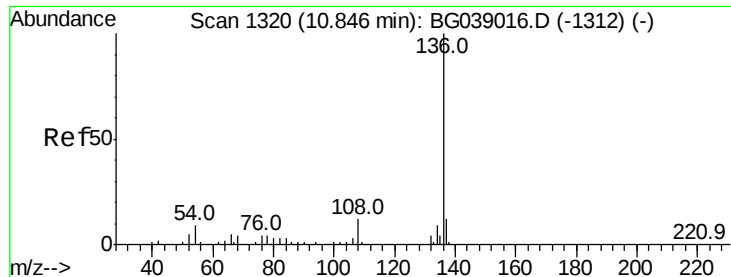
101 0.0 10.4 15.6#

130 2.5 21.6 32.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

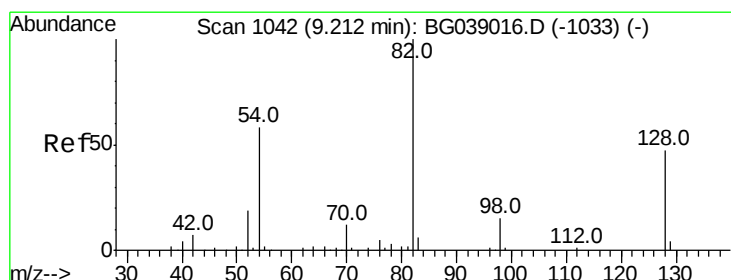
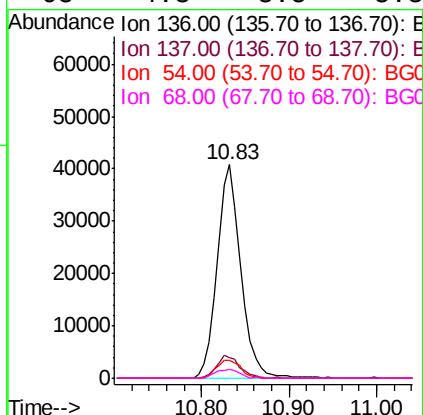
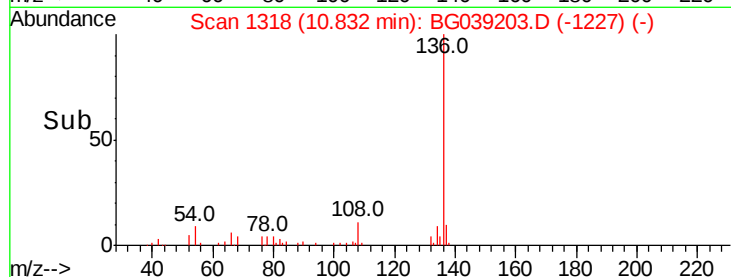
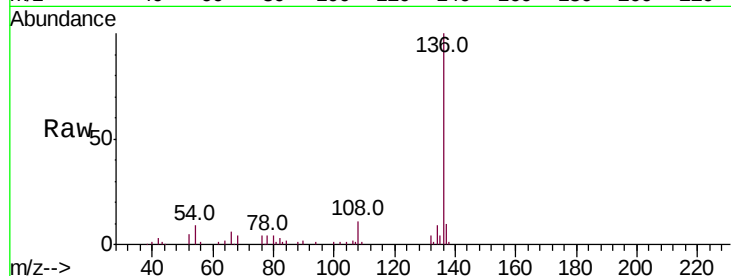




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039203.D
Acq: 18 Jan 2019 3:48

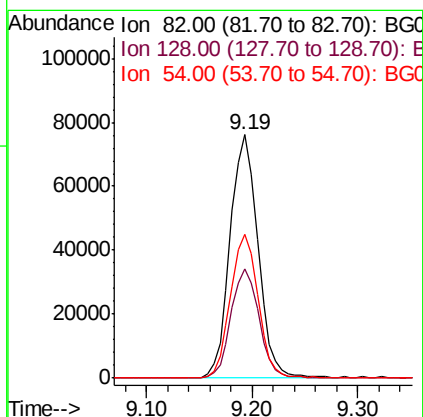
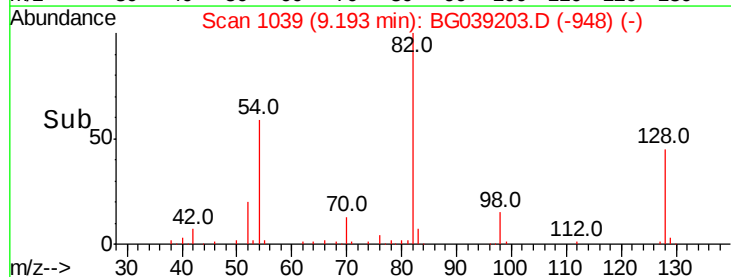
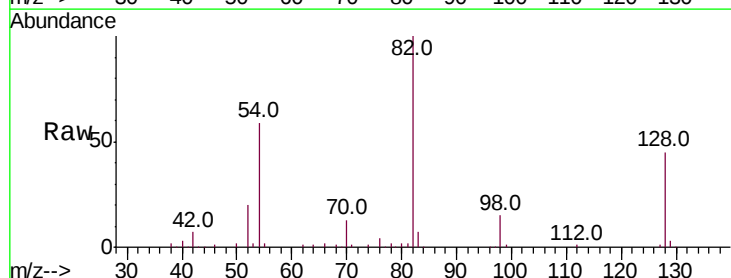
Instrument :
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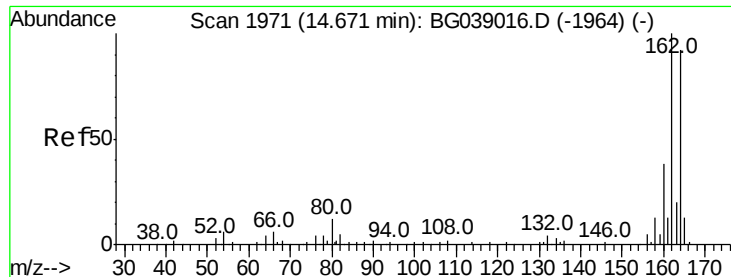
Tot Ion:	136	Resp:	76424
Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.4	14.2
54	8.5	7.2	10.8
68	4.3	3.5	5.3



#23
Nitrobenzene-d5
Concen: 99.671 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BG039203.D
Acq: 18 Jan 2019 3:48

Tgt Ion:	82	Resp:	139205
Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.3	55.9
54	58.9	46.4	69.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

Instrument :

BNA_G

ClientSampleId :

WC-02-011519

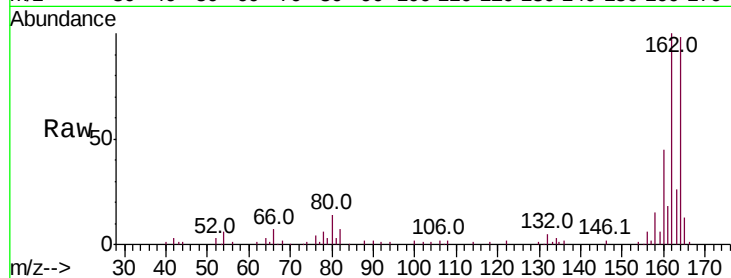
Tot Ion:164 Resp: 67035

Ion Ratio Lower Upper

164 100

162 101.7 87.2 130.8

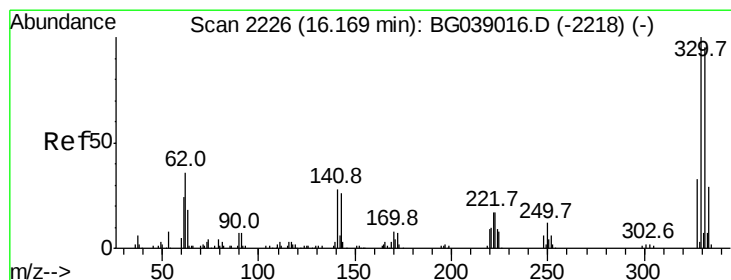
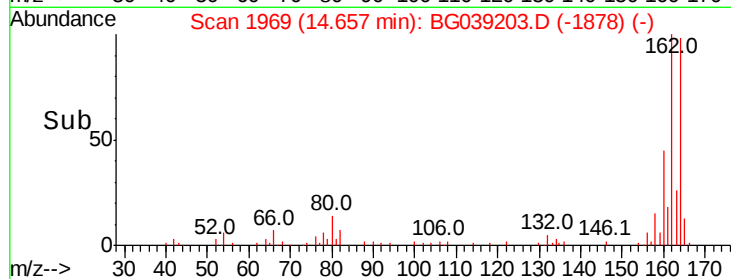
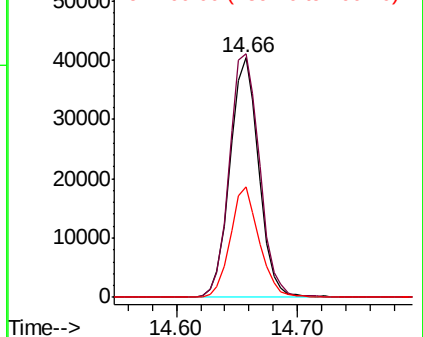
160 46.0 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 99.835 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

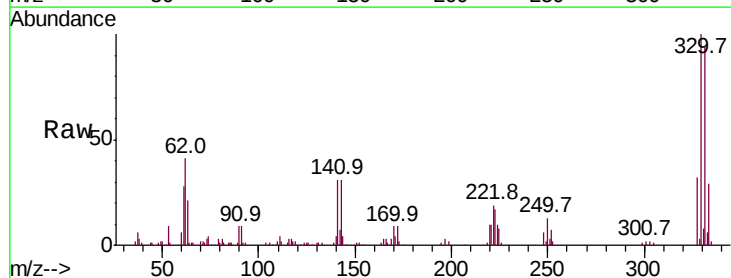
Tgt Ion:330 Resp: 112184

Ion Ratio Lower Upper

330 100

332 94.4 75.7 113.5

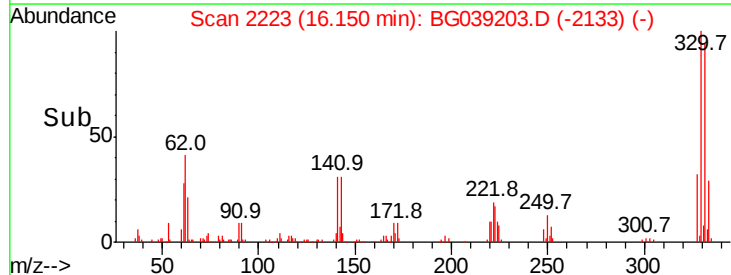
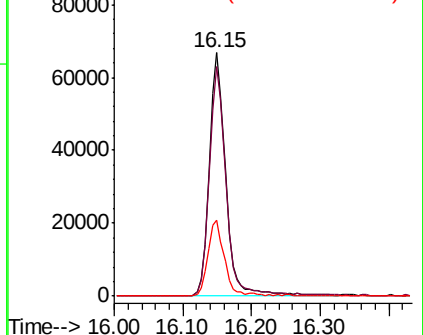
141 30.5 24.9 37.3

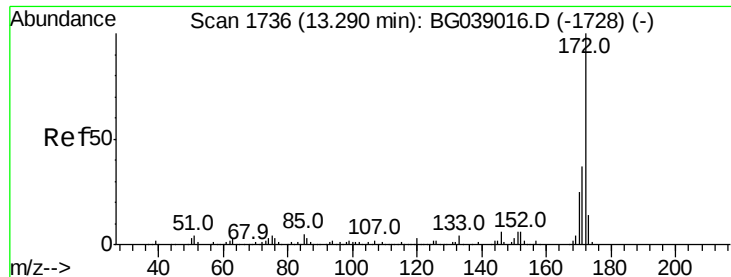


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

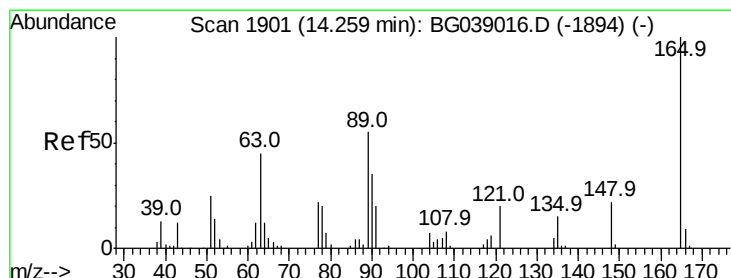
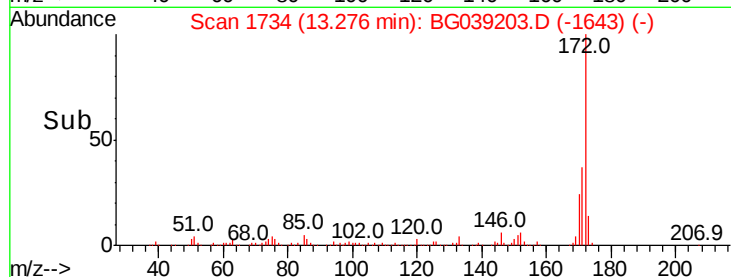
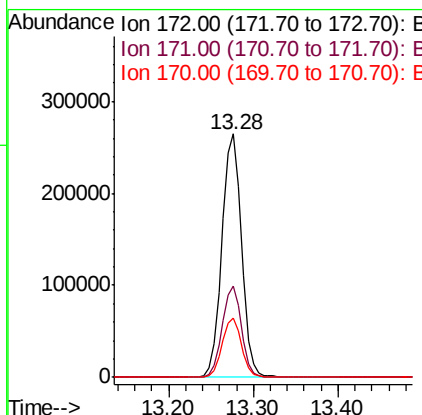
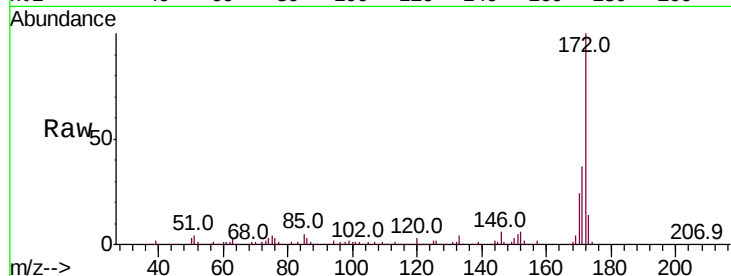




#45
2-Fluorobiphenyl
Concen: 87.106 ng
RT: 13.28 min Scan# 1734
Delta R.T. 0.00 min
Lab File: BG039203.D
Acq: 18 Jan 2019 3:48

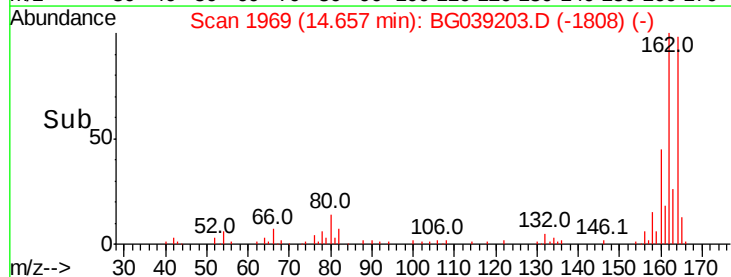
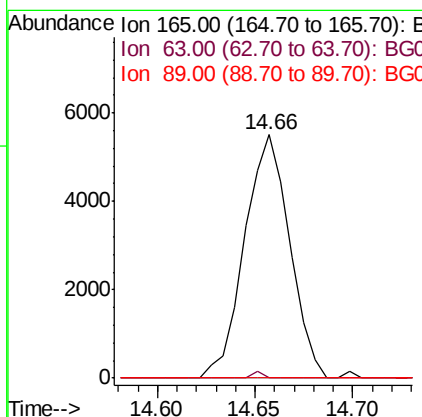
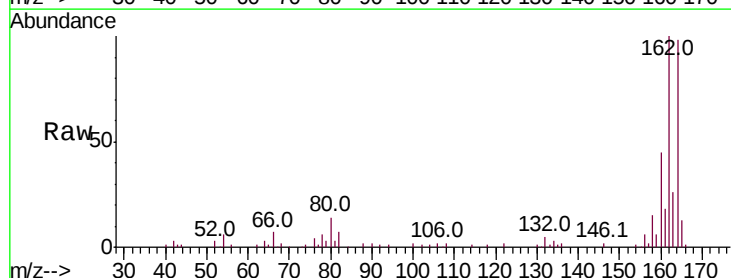
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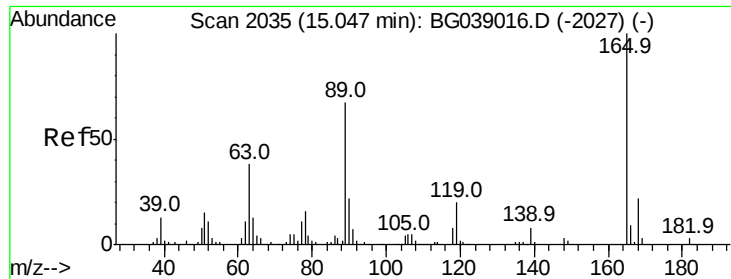
Tot Ion:172 Resp: 426663
Ion Ratio Lower Upper
172 100
171 37.4 29.4 44.0
170 24.3 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 6.944 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.41 min
Lab File: BG039203.D
Acq: 18 Jan 2019 3:48

Tgt Ion:165 Resp: 8795
Ion Ratio Lower Upper
165 100
63 0.0 43.6 65.4#
89 0.0 43.7 65.5#





#57

2,4-Dinitrotoluene

Concen: 4.840 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

Instrument :

BNA_G

ClientSampleId :

WC-02-011519

Tot Ion:165 Resp: 8795

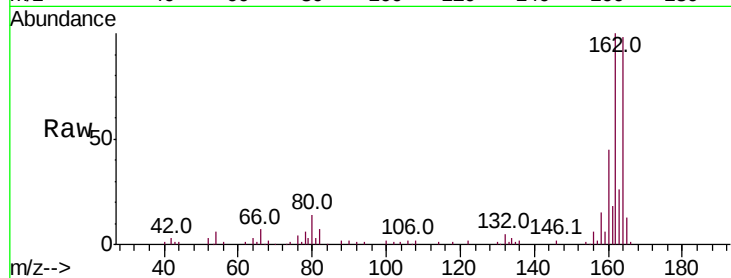
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

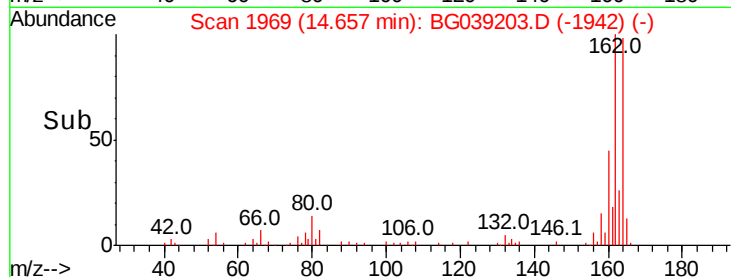


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

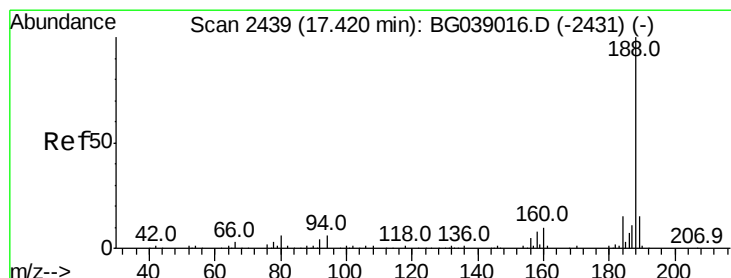
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->

14.60 14.65 14.70



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

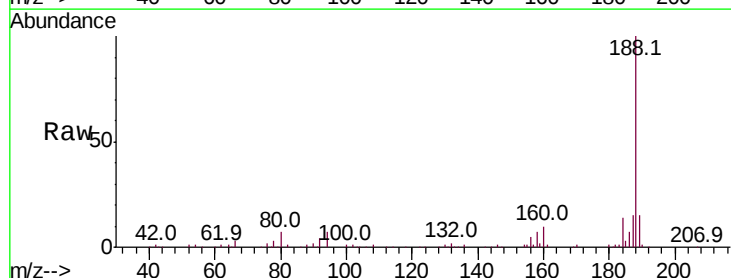
Tgt Ion:188 Resp: 163745

Ion Ratio Lower Upper

188 100

94 6.6 5.0 7.4

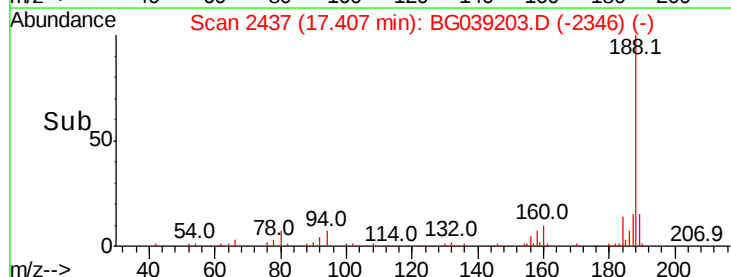
80 6.9 4.7 7.1



Abundance Ion 188.00 (187.70 to 188.70): E

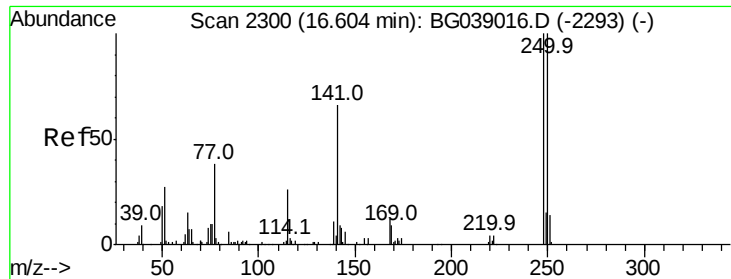
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->

17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 3.380 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

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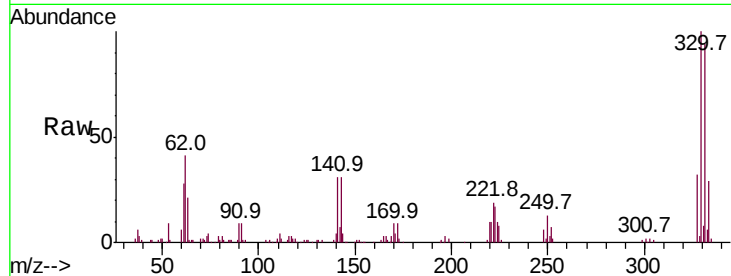
Tot Ion:248 Resp: 7115

Ion Ratio Lower Upper

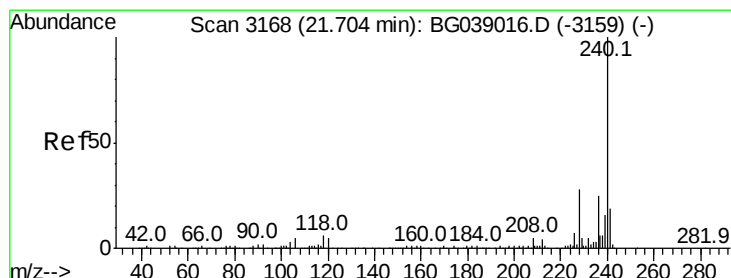
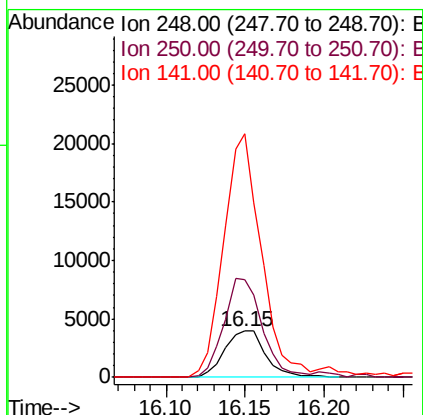
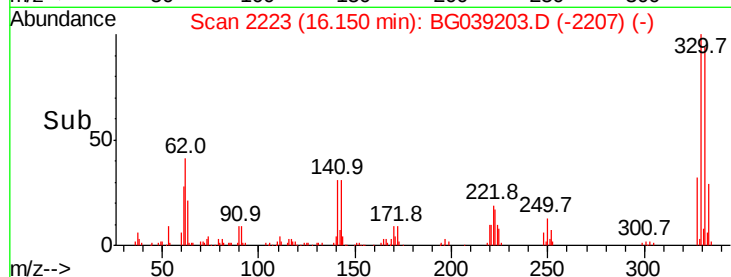
248 100

250 212.7 79.9 119.9#

141 529.4 52.7 79.1#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

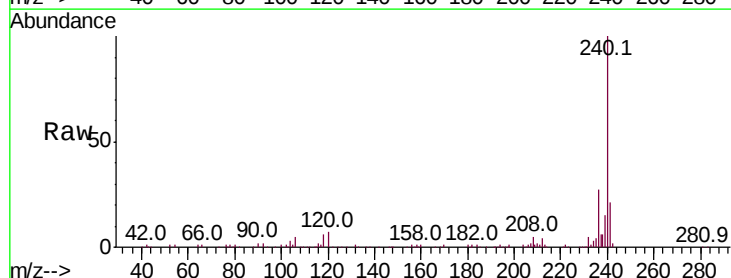
Tgt Ion:240 Resp: 191166

Ion Ratio Lower Upper

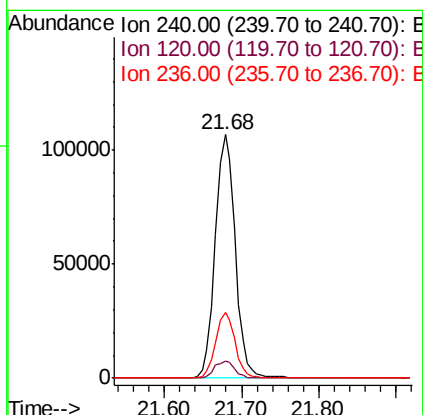
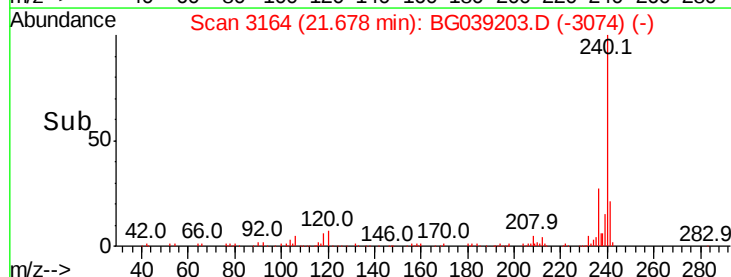
240 100

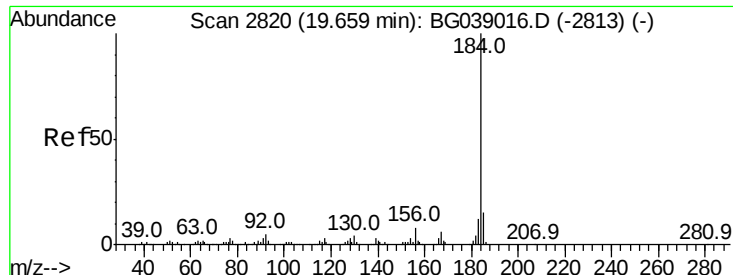
120 6.8 4.3 6.5#

236 26.8 20.1 30.1



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





#77

Benzidine

Concen: 2.077 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

Instrument :

BNA_G

ClientSampleId :

WC-02-011519

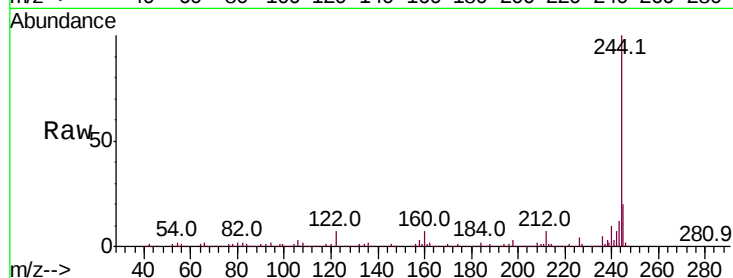
Tot Ion:184 Resp: 12144

Ion Ratio Lower Upper

184 100

185 14.2 12.1 18.1

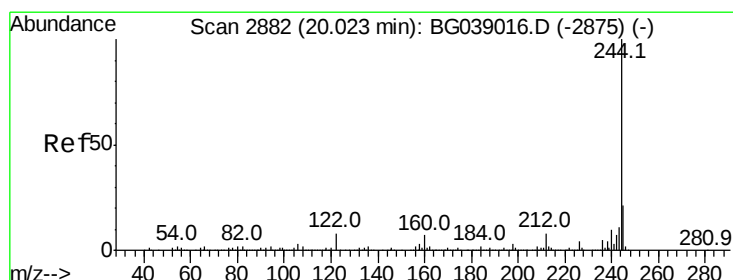
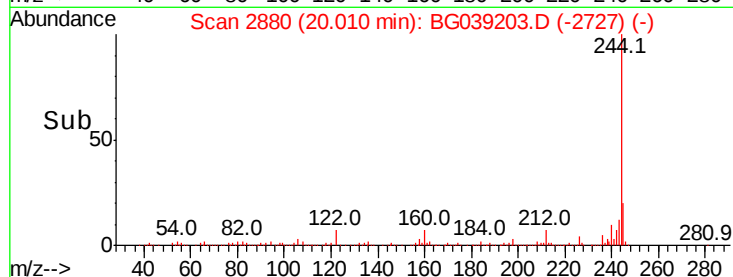
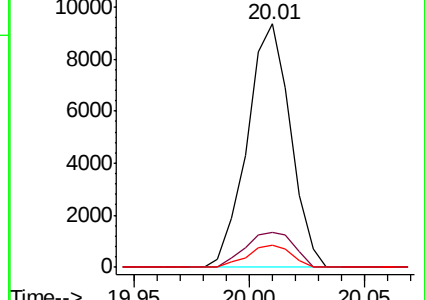
183 9.4 9.5 14.3#



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



#79

Terphenyl-d14

Concen: 77.392 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039203.D

Acq: 18 Jan 2019 3:48

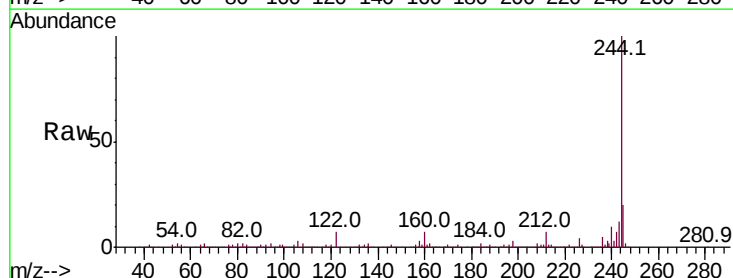
Tgt Ion:244 Resp: 799764

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

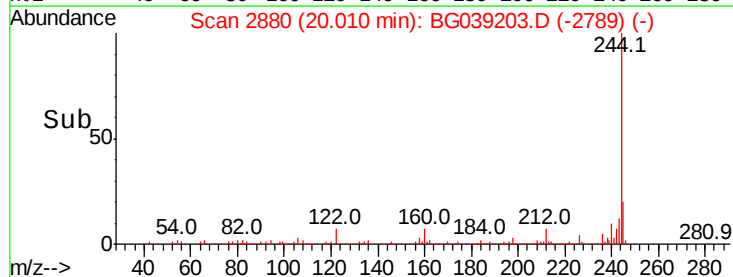
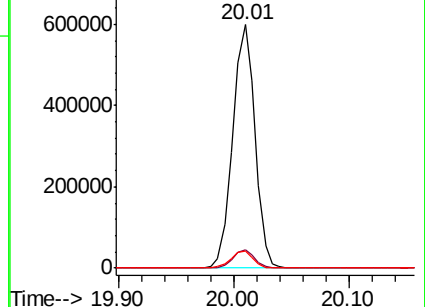
122 6.8 6.1 9.1

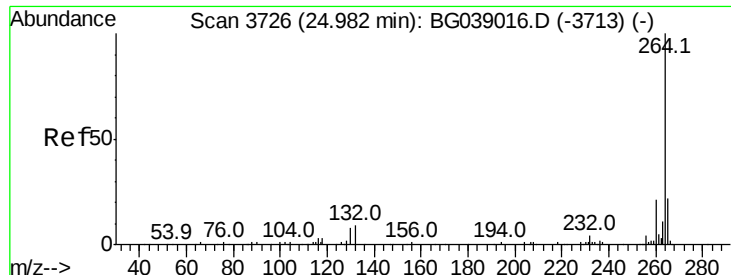


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

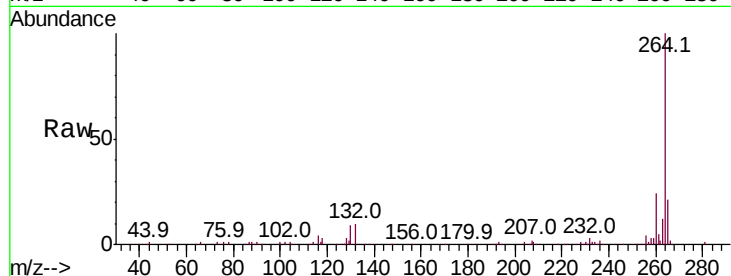




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3720
 Delta R.T. -0.00 min
 Lab File: BG039203.D
 Acq: 18 Jan 2019 3:48

Instrument :
 BNA_G
 ClientSampleId :
 WC-02-011519

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.0	25.6
265	21.0	17.2	25.8



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

