

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039195.D
 Acq On : 17 Jan 2019 20:36
 Operator : JU/SJ
 Sample : PB116454TB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116454TB

Quant Time: Jan 18 04:13:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

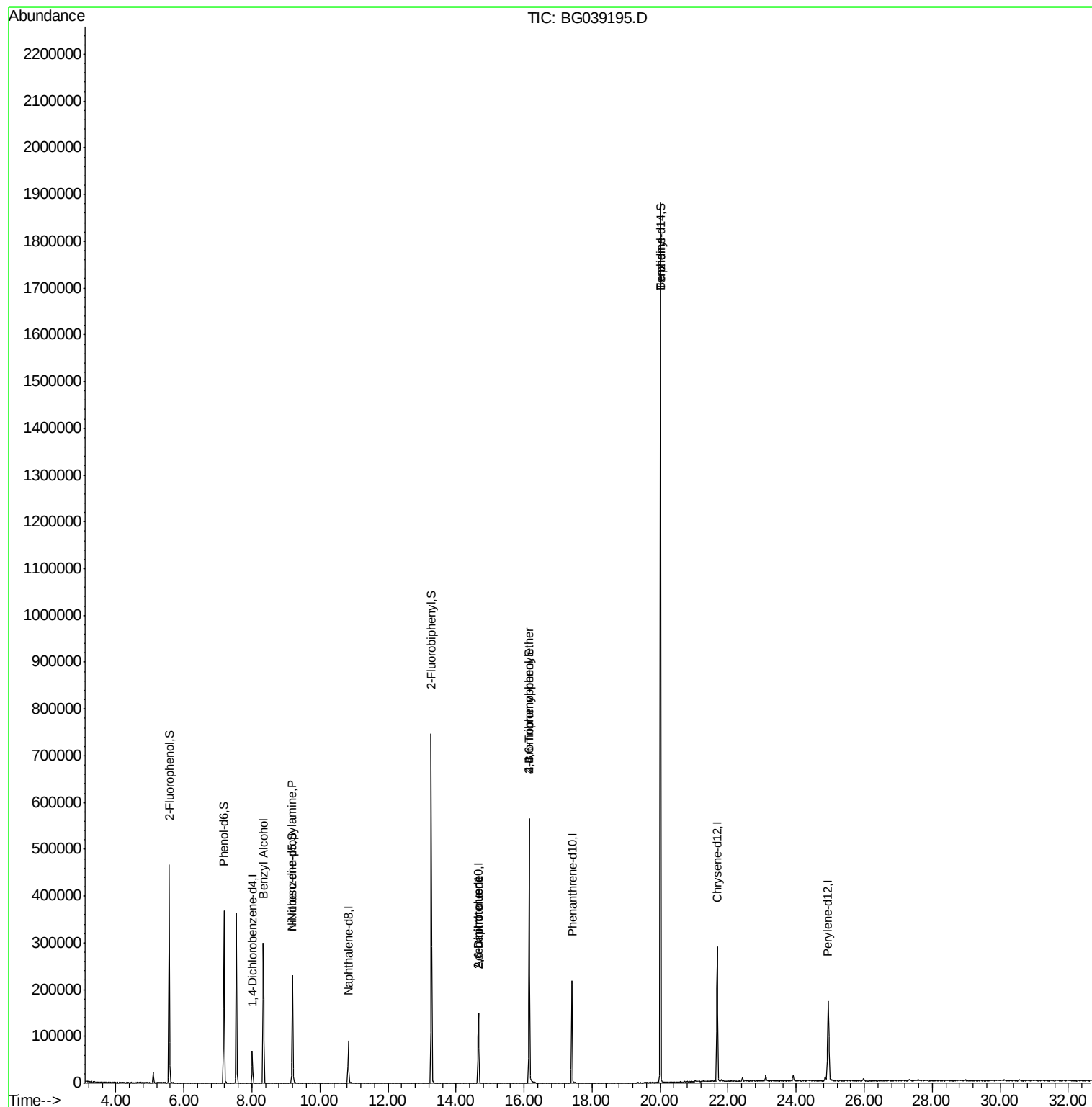
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	20459	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	84472	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	58235	20.00	ng	-0.01
64) Phenanthrene-d10	17.41	188	154166	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	195940	20.00	ng	-0.02
87) Perylene-d12	24.94	264	210344	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	198704	184.24	ng	-0.01
7) Phenol-d6	7.18	99	216571	139.53	ng	-0.01
23) Nitrobenzene-d5	9.19	82	144586	93.66	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	129540	132.70	ng	-0.02
45) 2-Fluorobiphenyl	13.27	172	417768	98.18	ng	-0.02
79) Terphenyl-d14	20.01	244	925001	87.33	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.33	79	2465	2.109	ng	# 55
19) n-Nitroso-di-n-propylamine	9.19	70	18935	18.578	ng	# 70
51) 2,6-Dinitrotoluene	14.66	165	7288	6.624	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	7288	4.617	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	7900	3.986	ng	# 1
77) Benzidine	20.00	184	14862	2.480	ng	# 93

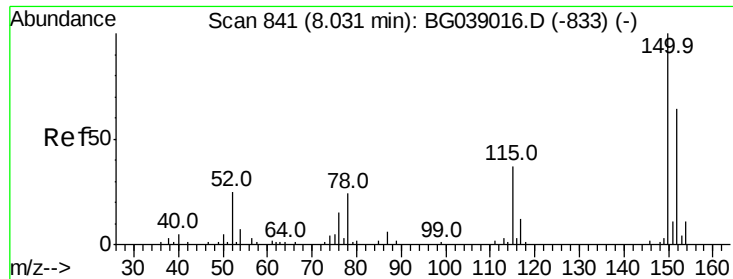
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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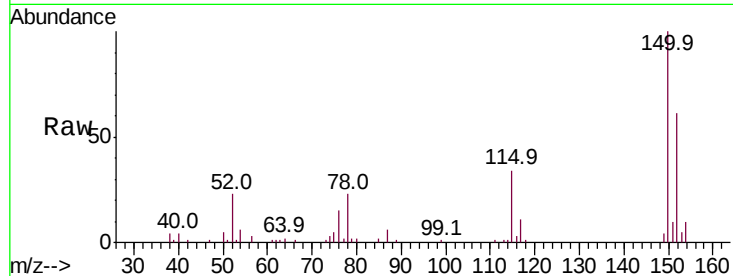


#1

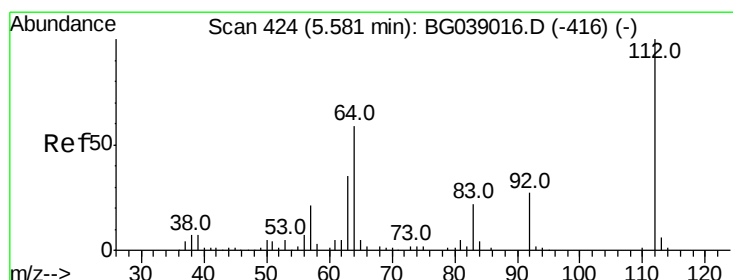
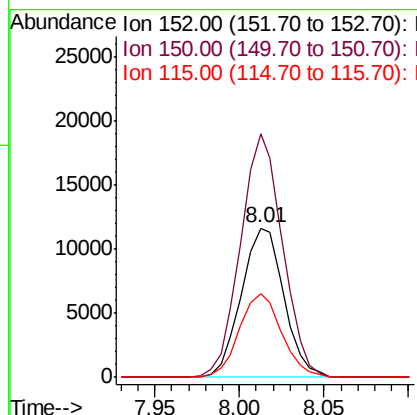
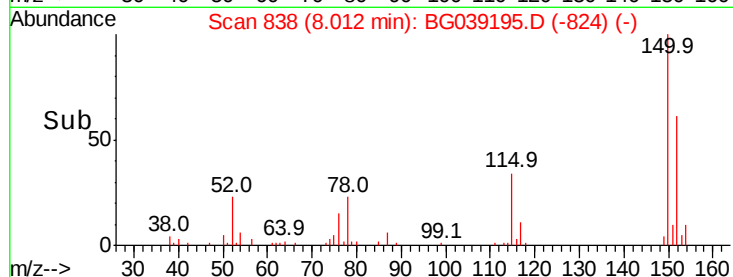
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.02 min
Lab File: BG039195.D
Acq: 17 Jan 2019 20:36

Instrument :
BNA_G
ClientSampleId :
PB116454TB

Tot Ion:152 Resp: 20459
Ion Ratio Lower Upper
152 100
150 163.4 124.7 187.1
115 55.8 46.5 69.7



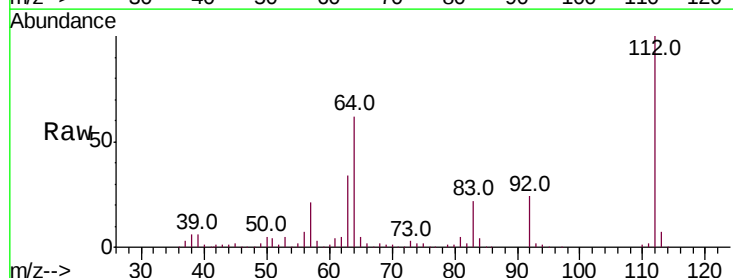
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



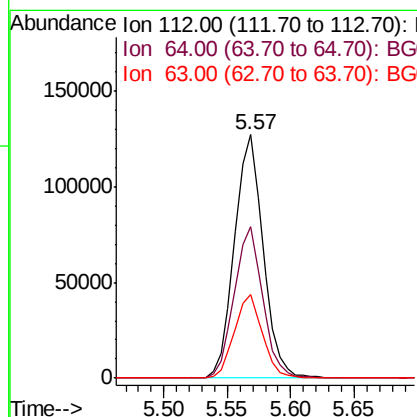
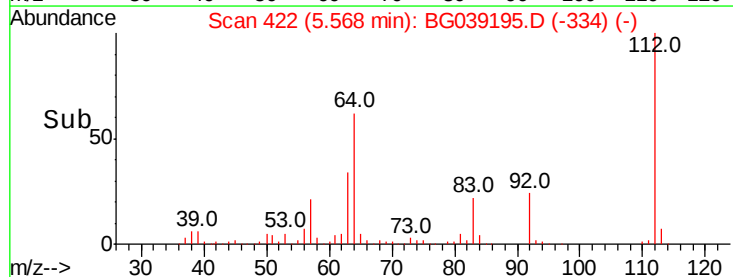
#5

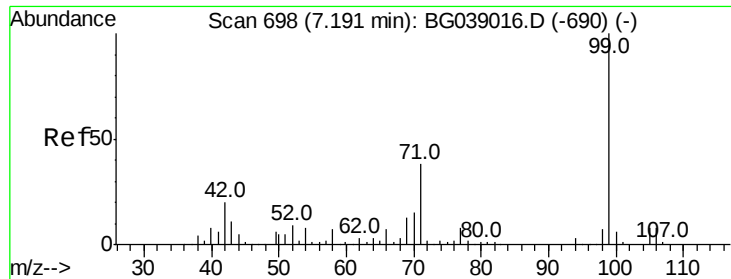
2-Fluorophenol
Concen: 184.241 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG039195.D
Acq: 17 Jan 2019 20:36

Tgt Ion:112 Resp: 198704
Ion Ratio Lower Upper
112 100
64 62.3 47.0 70.6
63 34.1 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: 139.534 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

Instrument :

BNA_G

ClientSampleId :

PB116454TB

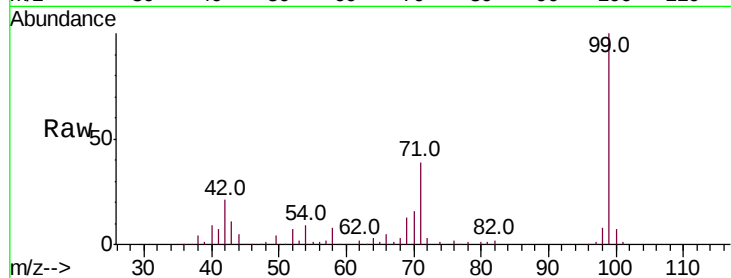
Tot Ion: 99 Resp: 216571

Ion Ratio Lower Upper

99 100

42 20.7 15.8 23.6

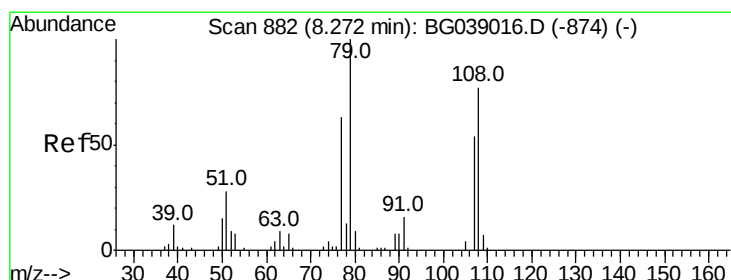
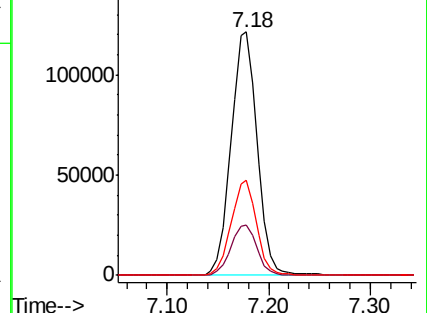
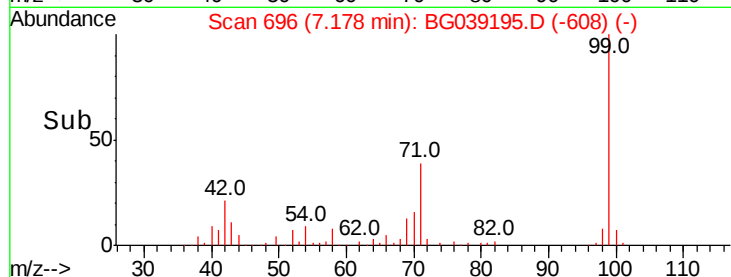
71 38.9 30.2 45.4



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



#15

Benzyl Alcohol

Concen: 2.109 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.06 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

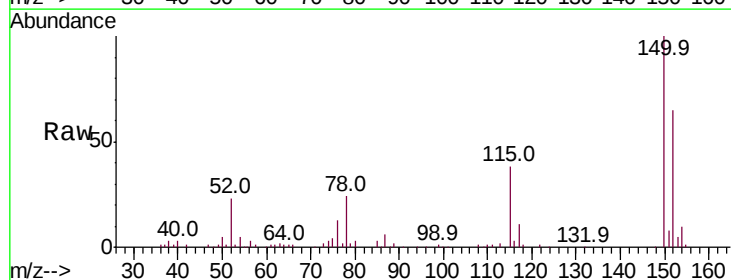
Tgt Ion: 79 Resp: 2465

Ion Ratio Lower Upper

79 100

108 29.0 62.0 93.0#

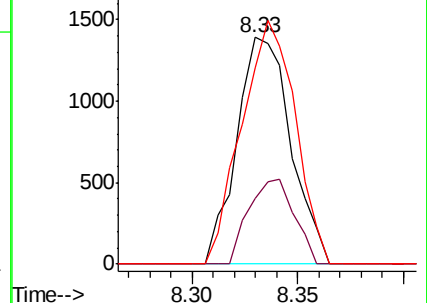
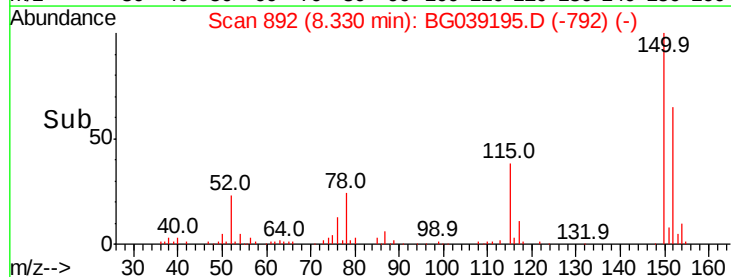
77 86.5 50.1 75.1#

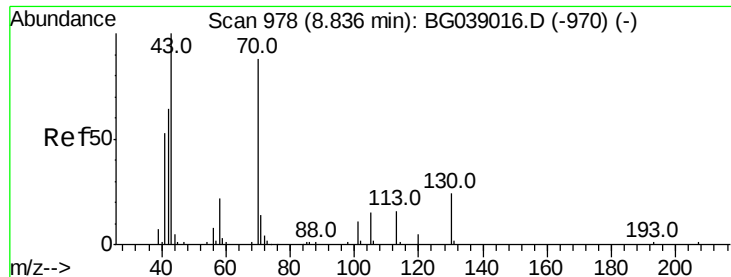


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 18.578 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

Instrument :

BNA_G

ClientSampleId :

PB116454TB

Tot Ion: 70 Resp: 18935

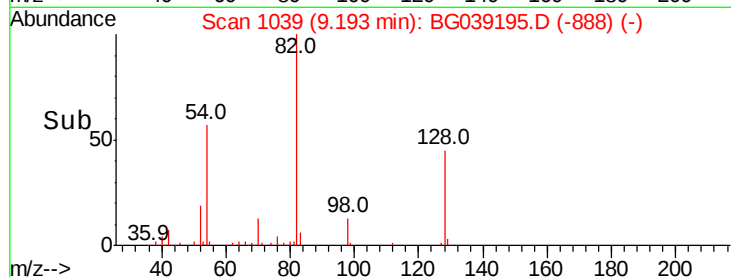
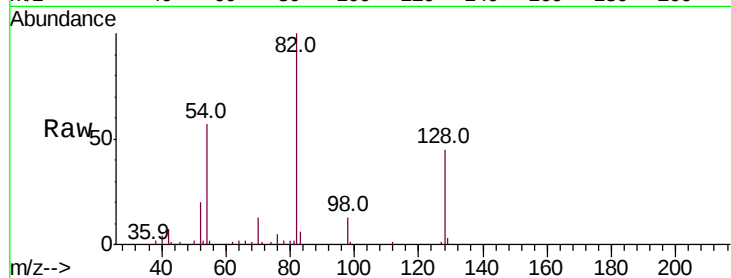
Ion Ratio Lower Upper

70 100

42 54.8 59.0 88.4#

101 0.0 10.4 15.6#

130 2.4 21.6 32.4#

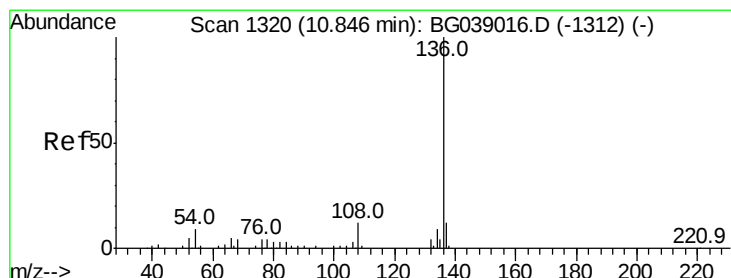
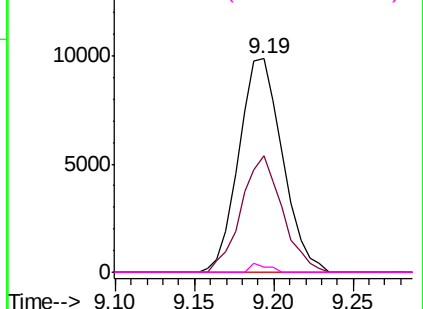


Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.01 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

Tgt Ion:136 Resp: 84472

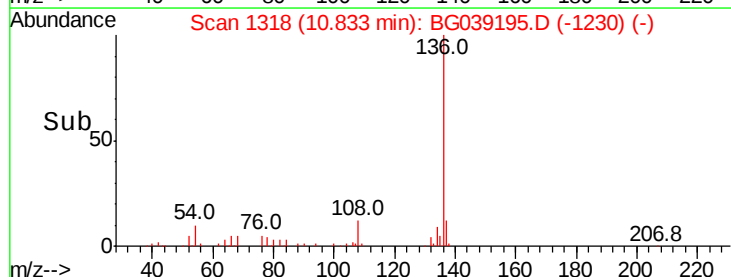
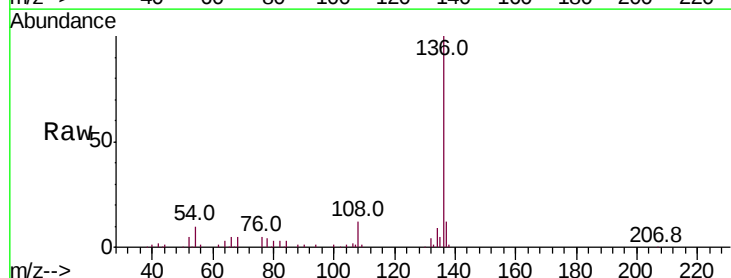
Ion Ratio Lower Upper

136 100

137 11.9 9.4 14.2

54 9.8 7.2 10.8

68 5.3 3.5 5.3#

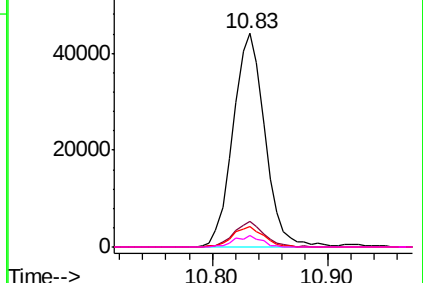


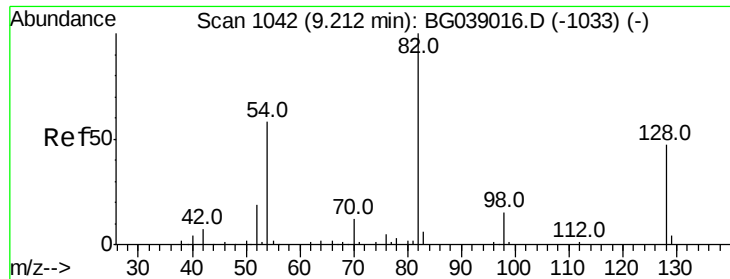
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

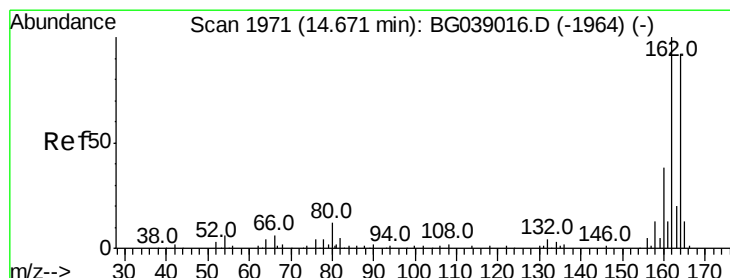
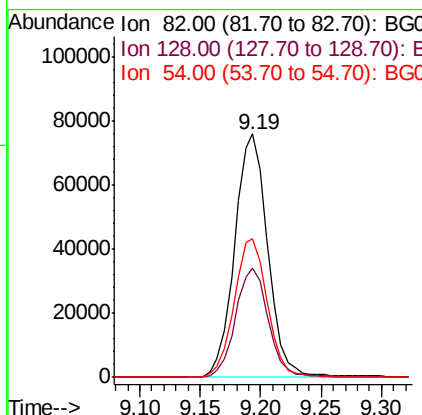
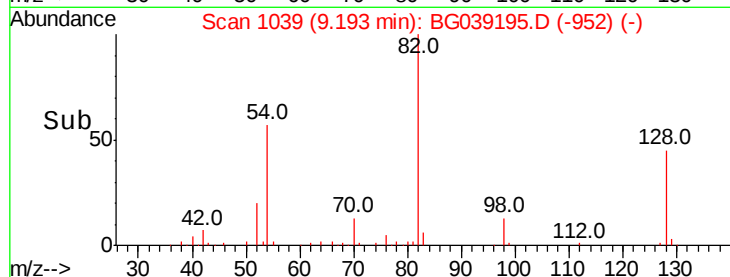
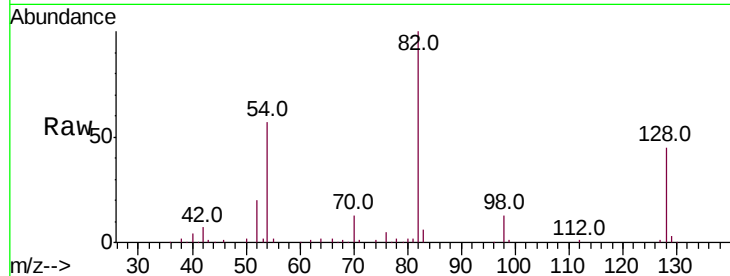




#23
 Nitrobenzene-d5
 Concen: 93.660 ng
 RT: 9.19 min Scan# 1039
 Delta R.T. -0.02 min
 Lab File: BG039195.D
 Acq: 17 Jan 2019 20:36

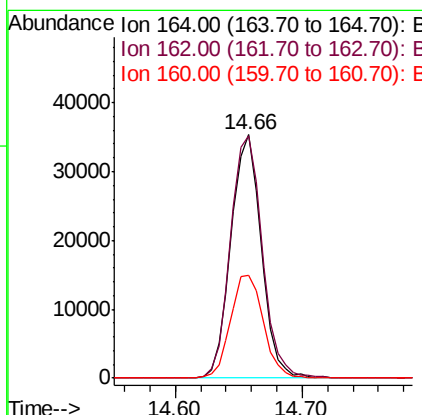
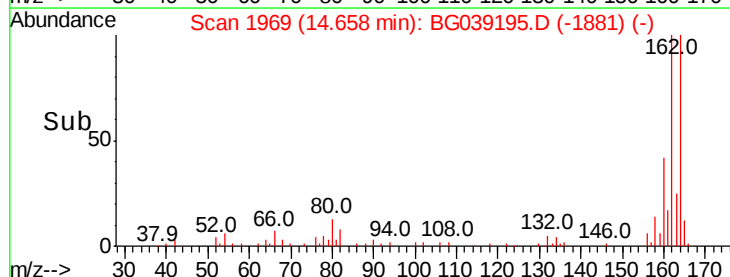
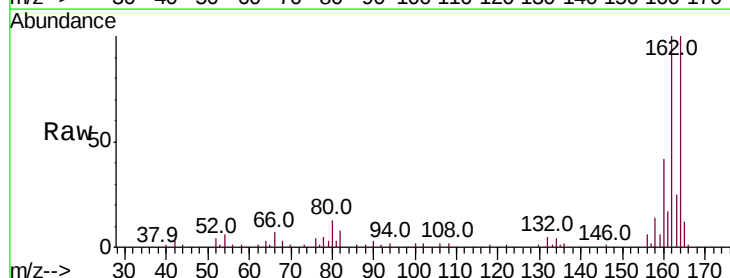
Instrument :
 BNA_G
 ClientSampleId :
 PB116454TB

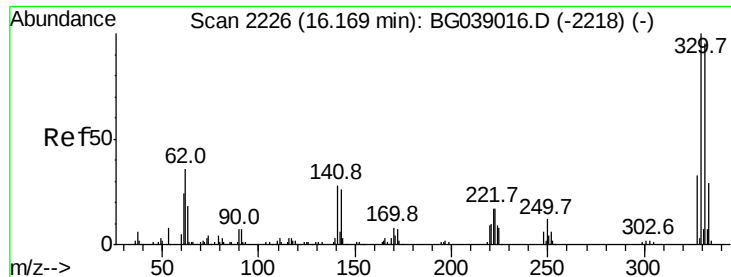
Tot Ion: 82 Resp: 144586
 Ion Ratio Lower Upper
 82 100
 128 44.7 37.3 55.9
 54 56.8 46.4 69.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG039195.D
 Acq: 17 Jan 2019 20:36

Tgt Ion:164 Resp: 58235
 Ion Ratio Lower Upper
 164 100
 162 99.6 87.2 130.8
 160 42.2 33.3 49.9

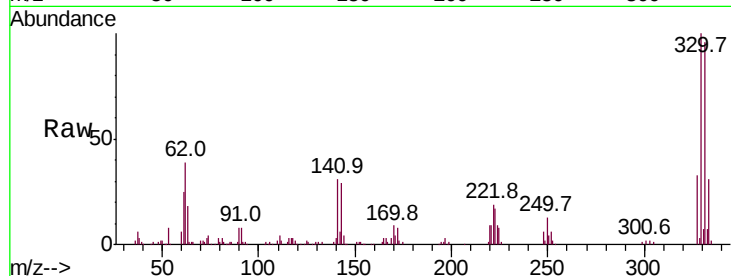




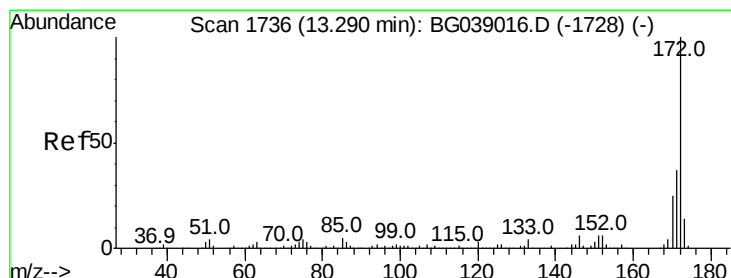
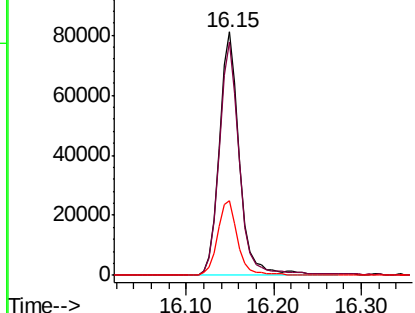
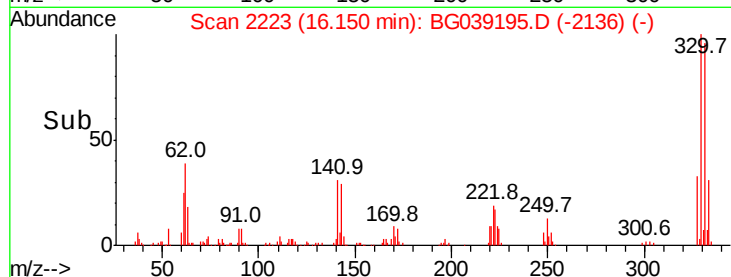
#42
 2,4,6-Tribromophenol
 Concen: 132.701 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.02 min
 Lab File: BG039195.D
 Acq: 17 Jan 2019 20:36

Instrument :
 BNA_G
 ClientSampleId :
 PB116454TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.7	113.5
141	30.6	24.9	37.3

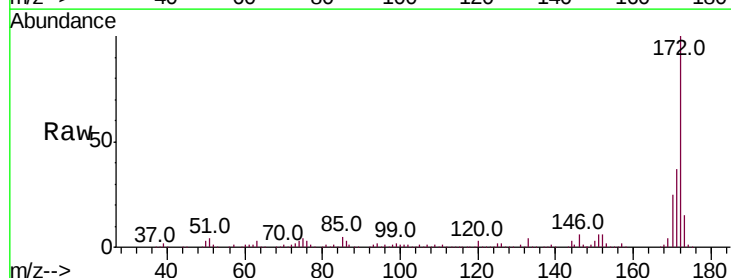


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

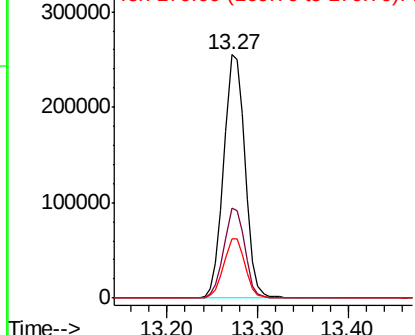
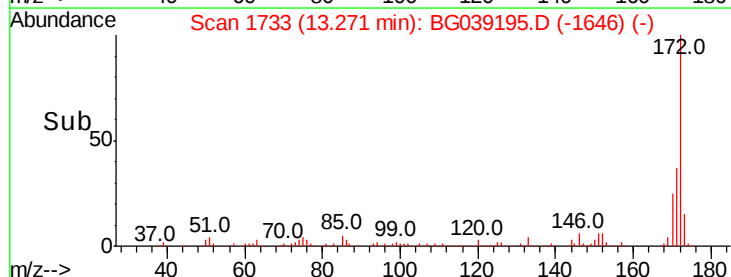


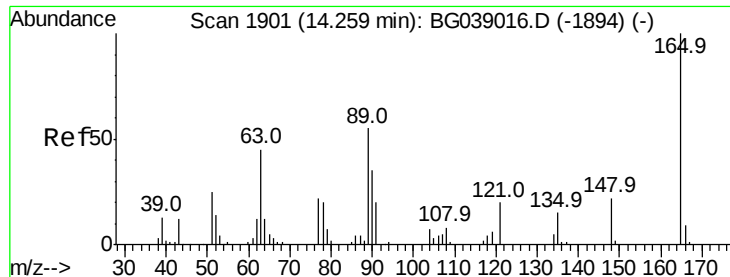
#45
 2-Fluorobiphenyl
 Concen: 98.178 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.02 min
 Lab File: BG039195.D
 Acq: 17 Jan 2019 20:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.5	20.1	30.1



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

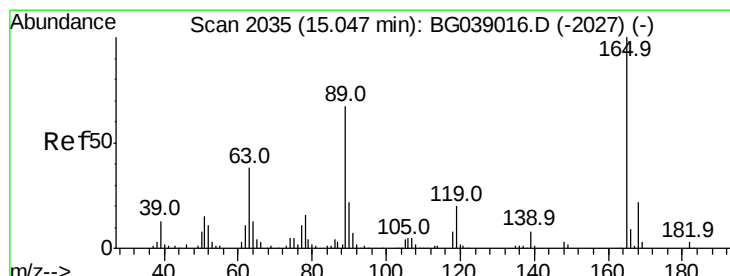
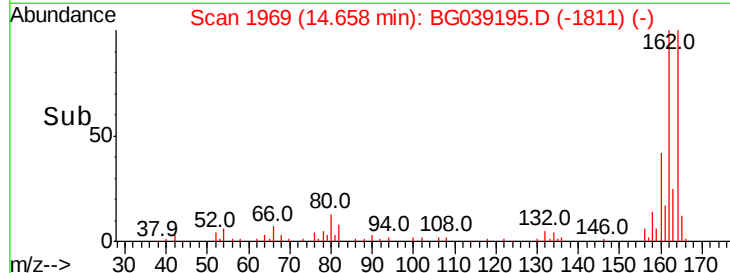
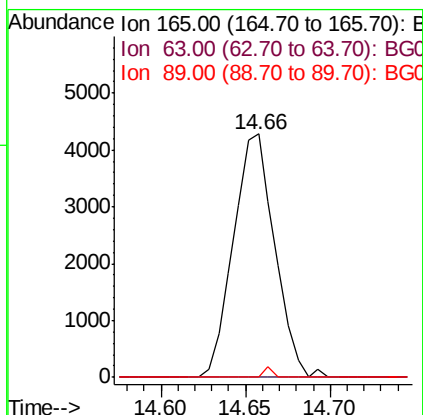
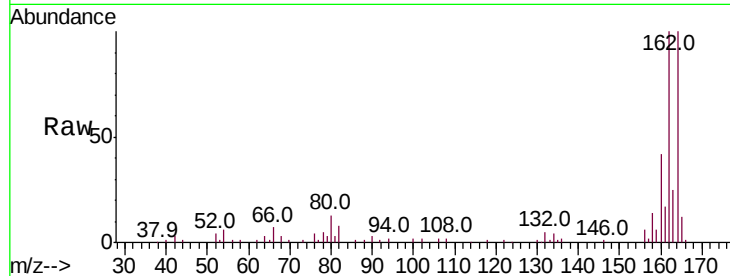




#51
 2,6-Dinitrotoluene
 Concen: 6.624 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.40 min
 Lab File: BG039195.D
 Acq: 17 Jan 2019 20:36

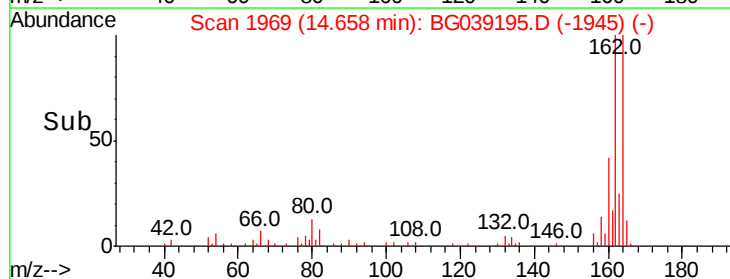
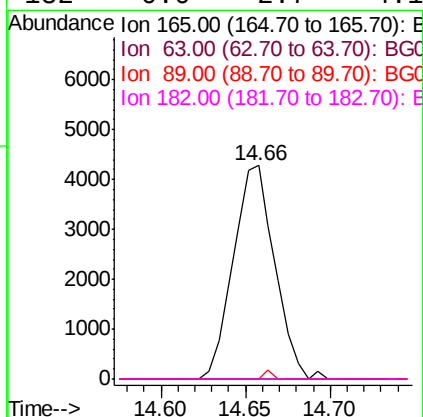
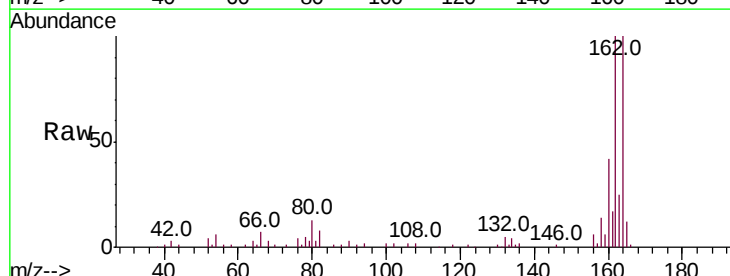
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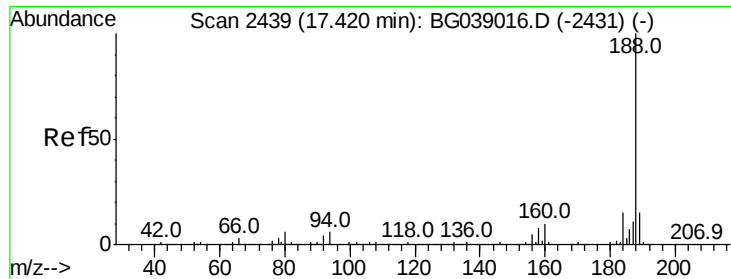
Tot Ion:165 Resp: 7288
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#



#57
 2,4-Dinitrotoluene
 Concen: 4.617 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039195.D
 Acq: 17 Jan 2019 20:36

Tgt Ion:165 Resp: 7288
 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

Instrument :

BNA_G

ClientSampleId :

PB116454TB

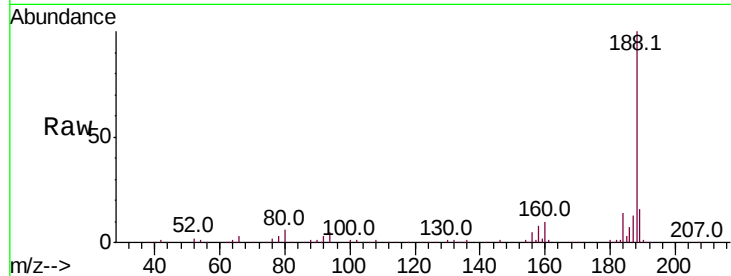
Tot Ion:188 Resp: 154166

Ion Ratio Lower Upper

188 100

94 5.2 5.0 7.4

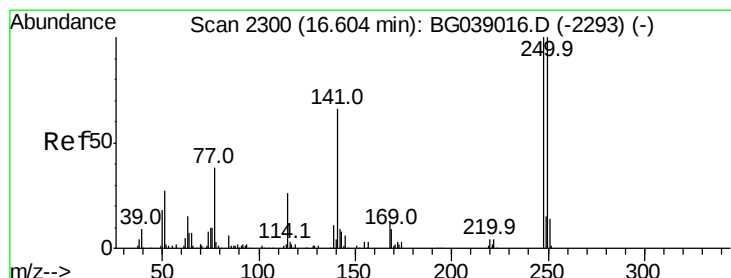
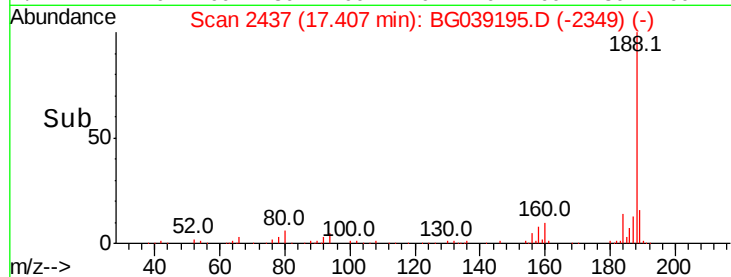
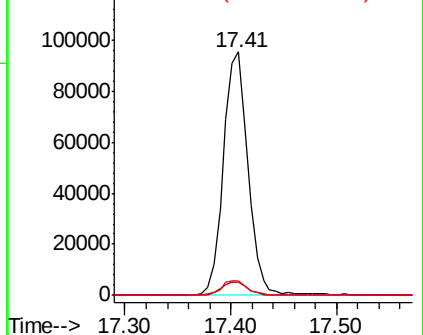
80 6.1 4.7 7.1



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



#67

4-Bromophenyl-phenylether

Concen: 3.986 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

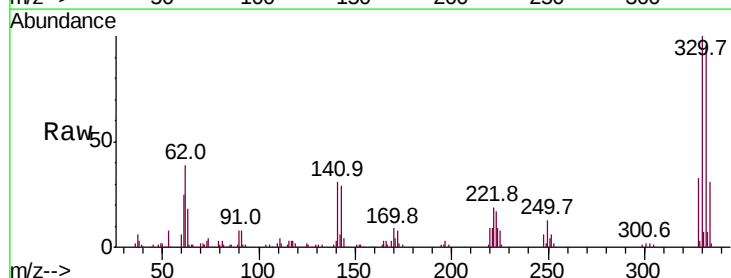
Tgt Ion:248 Resp: 7900

Ion Ratio Lower Upper

248 100

250 217.9 79.9 119.9#

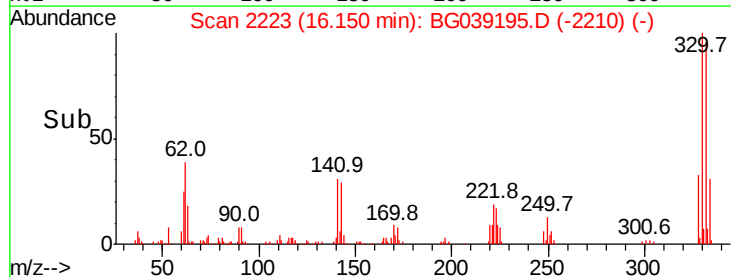
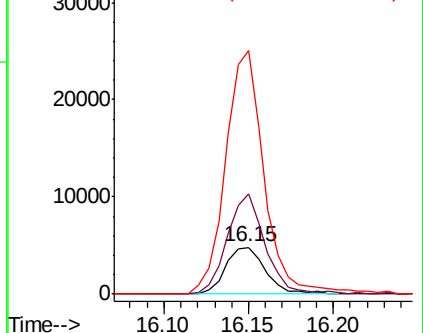
141 403.0 52.7 79.1#

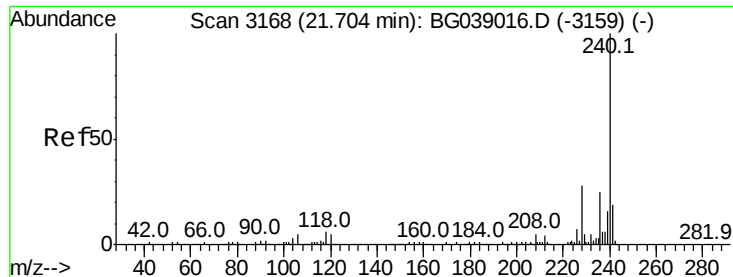


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.02 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

Instrument :

BNA_G

ClientSampleId :

PB116454TB

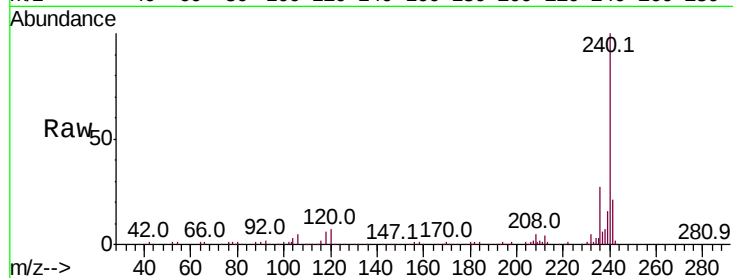
Tot Ion:240 Resp: 195940

Ion Ratio Lower Upper

240 100

120 6.5 4.3 6.5#

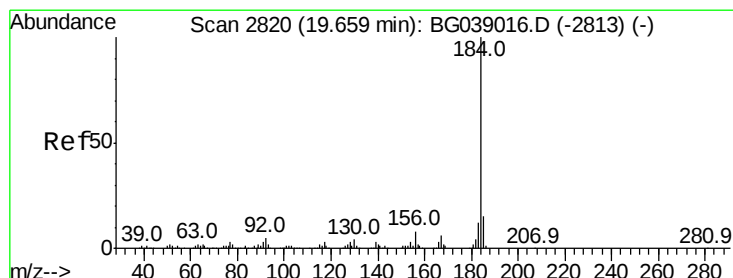
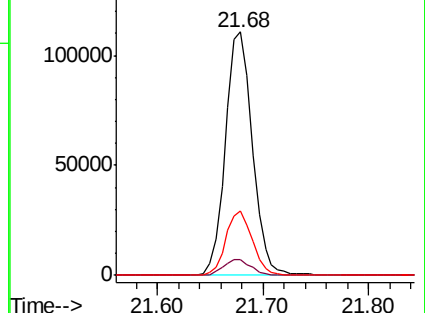
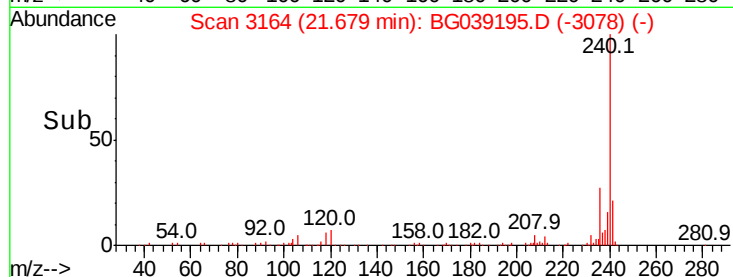
236 26.5 20.1 30.1



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: 2.480 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.35 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

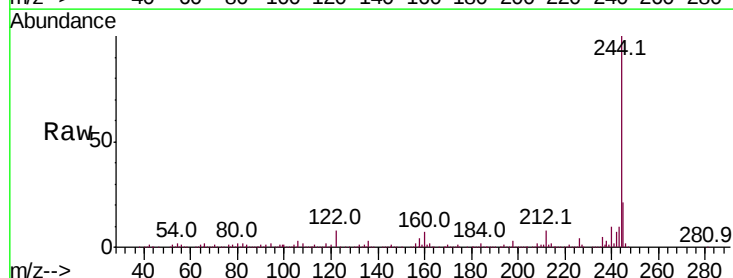
Tgt Ion:184 Resp: 14862

Ion Ratio Lower Upper

184 100

185 16.4 12.1 18.1

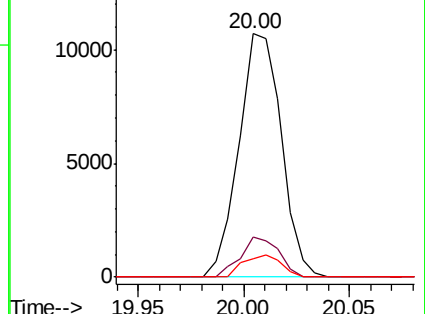
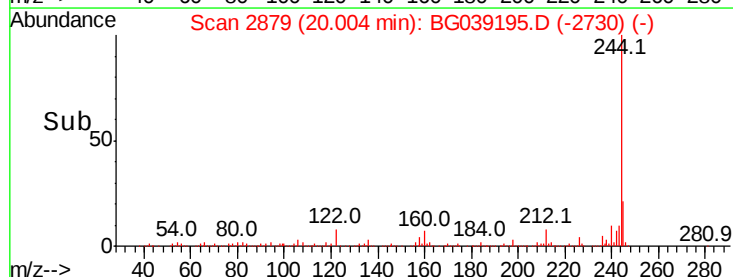
183 7.5 9.5 14.3#

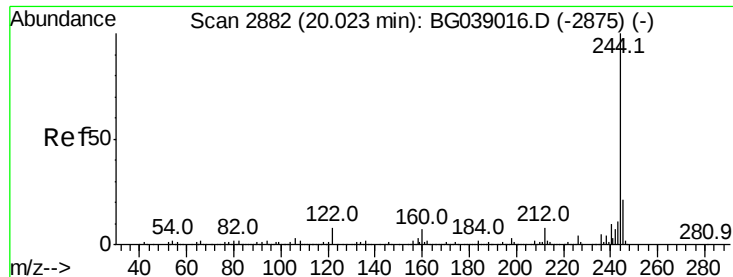


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 87.330 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

Instrument :

BNA_G

ClientSampleId :

PB116454TB

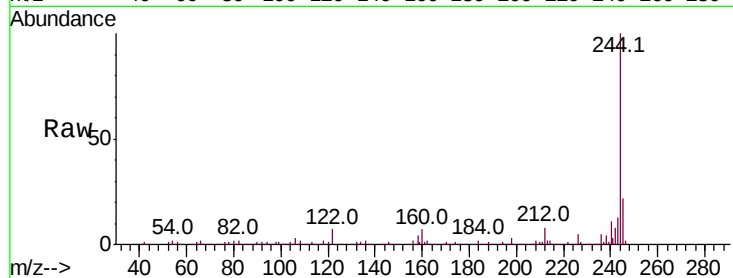
Tot Ion:244 Resp: 925001

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

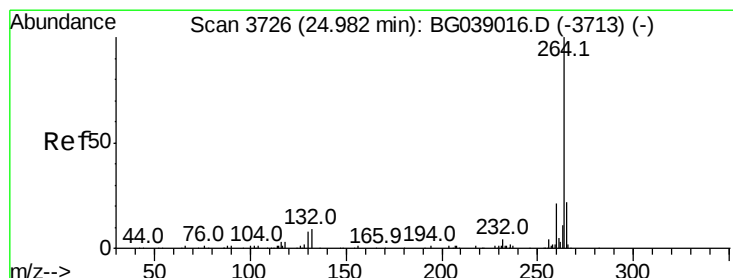
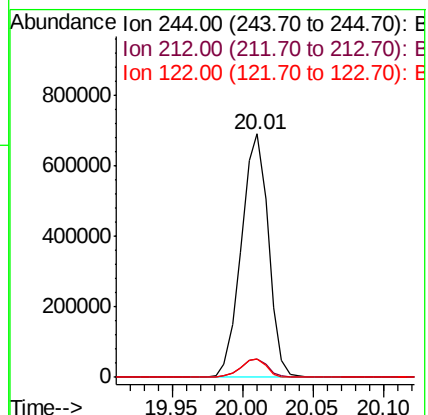
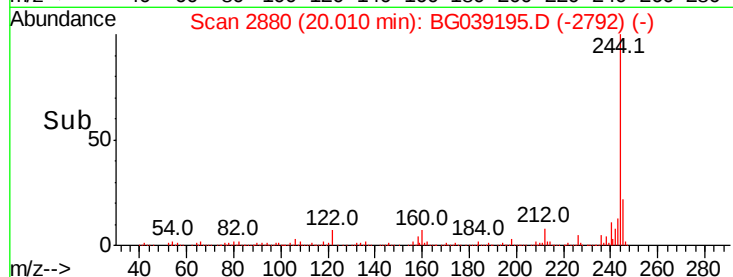
122 7.5 6.1 9.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. -0.04 min

Lab File: BG039195.D

Acq: 17 Jan 2019 20:36

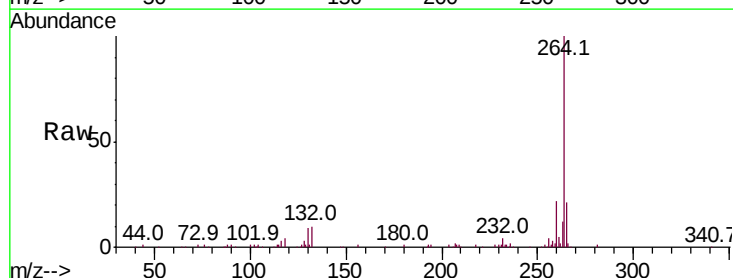
Tgt Ion:264 Resp: 210344

Ion Ratio Lower Upper

264 100

260 22.4 17.0 25.6

265 20.8 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

