

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039911.D
 Acq On : 13 Mar 2019 20:43
 Operator : JU/SJ
 Sample : K1869-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:19:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

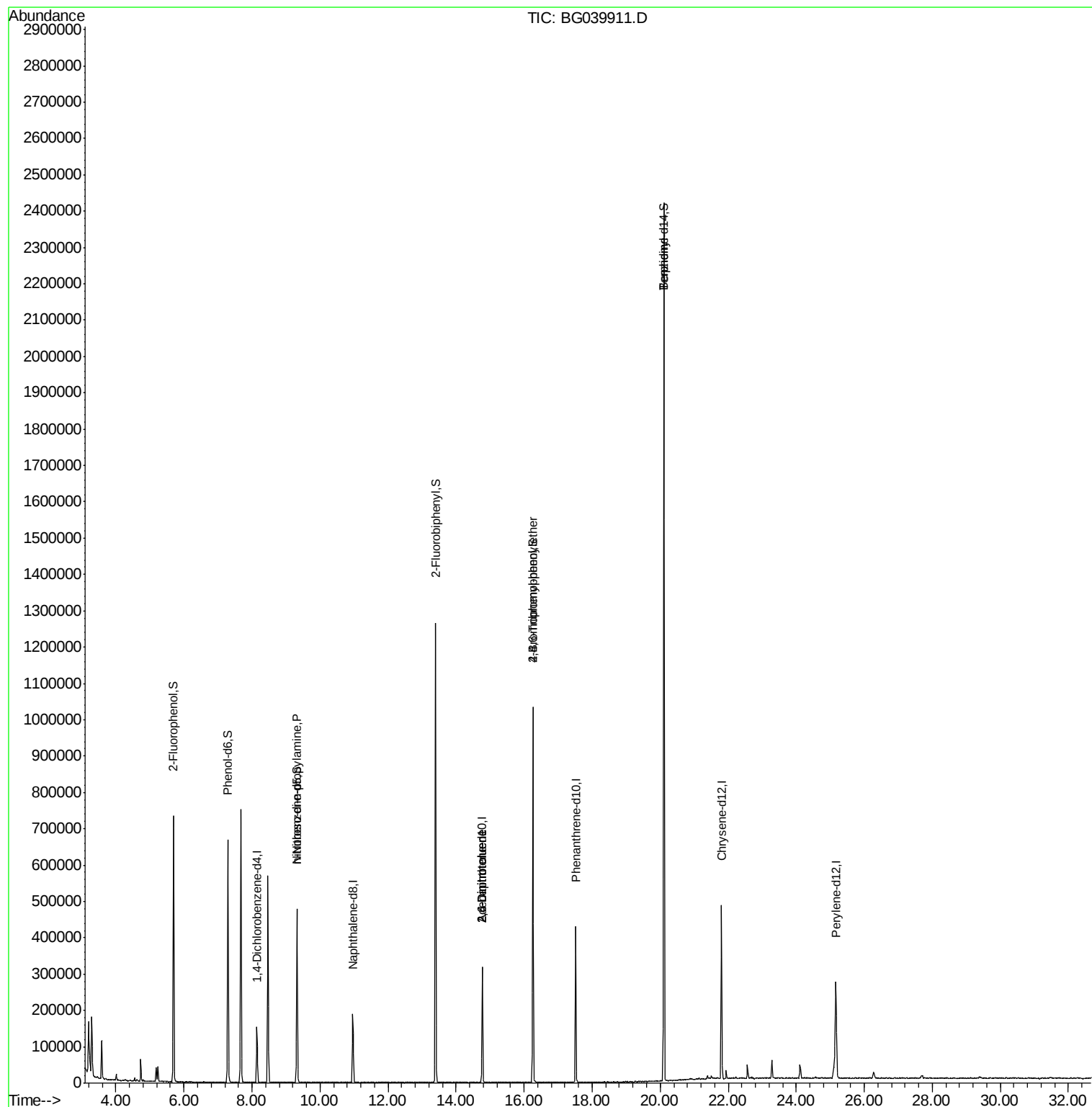
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	40799	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	165096	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	108490	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	263650	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	298402	20.00	ng	-0.02
87) Perylene-d12	25.16	264	297489	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	296553	124.00	ng	-0.02
7) Phenol-d6	7.29	99	377457	105.85	ng	-0.02
23) Nitrobenzene-d5	9.33	82	283241	92.79	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	172429	136.36	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	676899	88.84	ng	-0.02
79) Terphenyl-d14	20.11	244	1109613	81.87	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	36952	14.397	ng	# 70
51) 2,6-Dinitrotoluene	14.77	165	13571	7.057	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	13571	5.022	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	13240	4.486	ng	# 1
77) Benzidine	20.11	184	19816	2.093	ng	# 91

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

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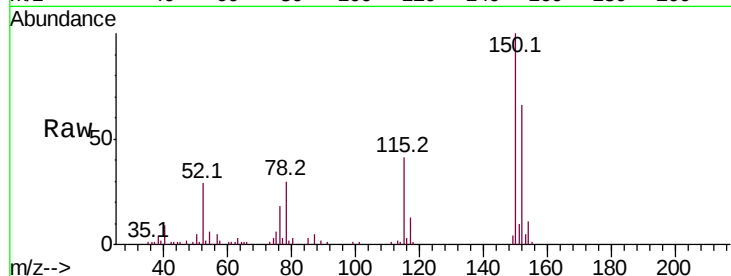


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039911.D
Acq: 13 Mar 2019 20:43

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	123.7	185.5
115	61.6	45.9	68.9

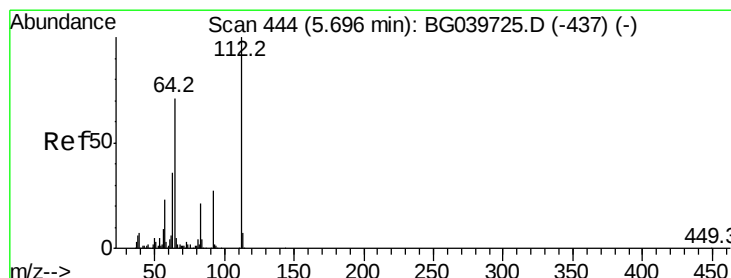
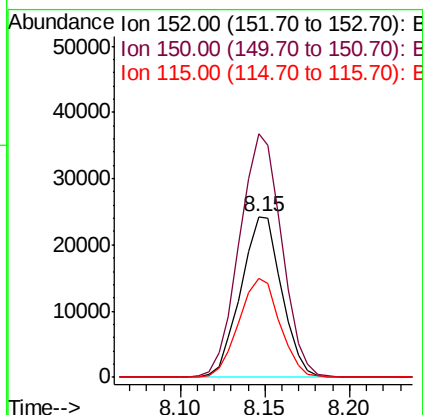
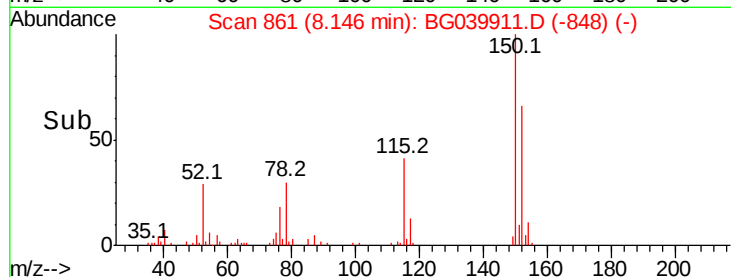


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

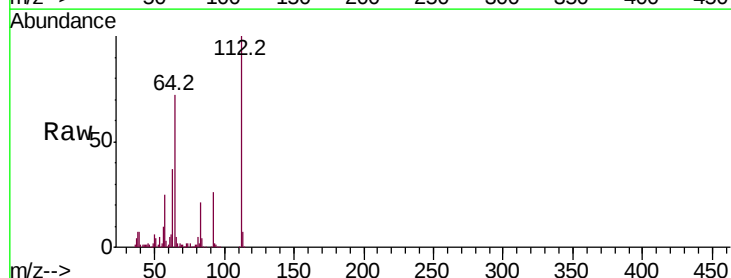
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.004 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039911.D
Acq: 13 Mar 2019 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	57.8	86.8
63	36.7	29.8	44.6

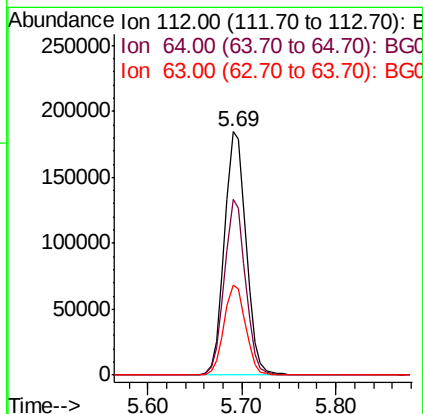
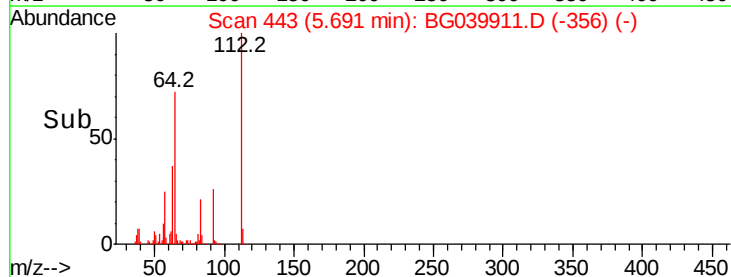


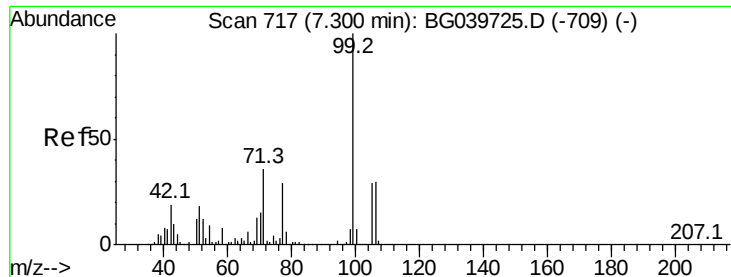
Abundance

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: 105.853 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

Instrument :

BNA_G

ClientSampled :

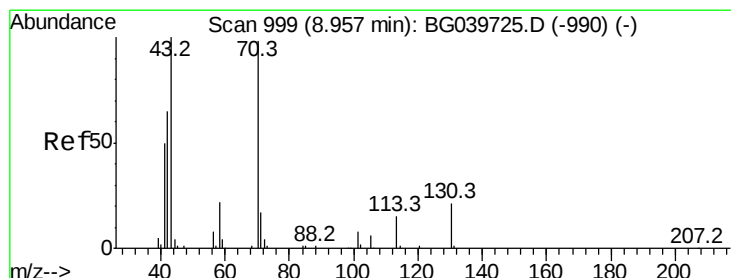
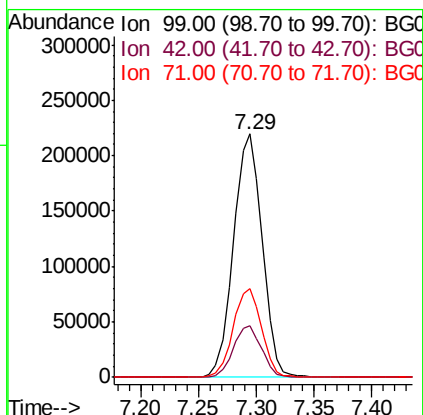
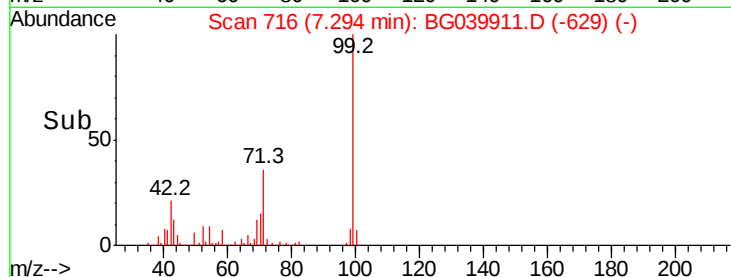
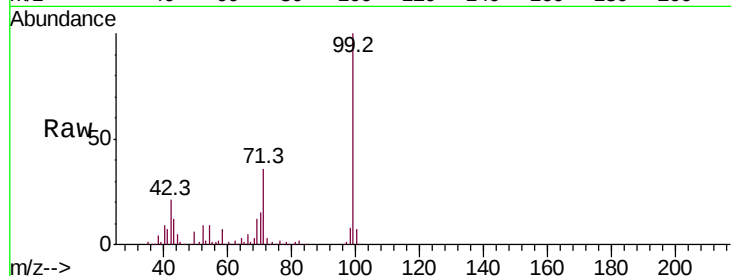
Tot Ion: 99 Resp: 377457

Ion Ratio Lower Upper

99 100

42 21.2 18.2 27.2

71 36.4 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.397 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

Tgt Ion: 70 Resp: 36952

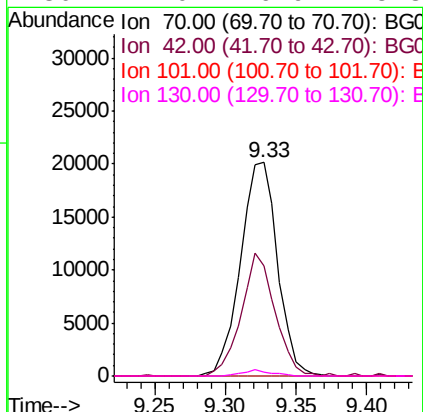
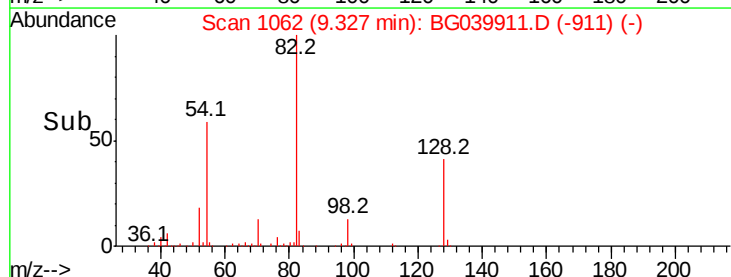
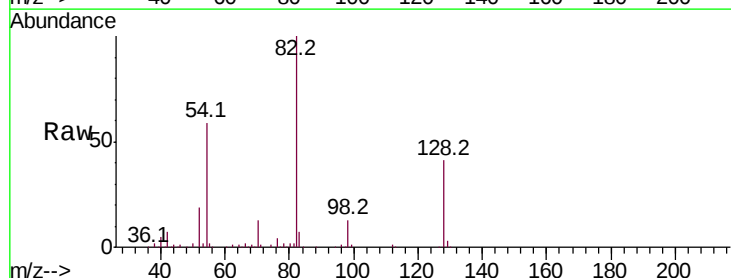
Ion Ratio Lower Upper

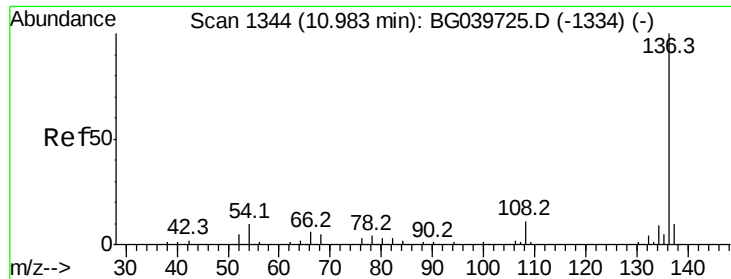
70 100

42 51.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#

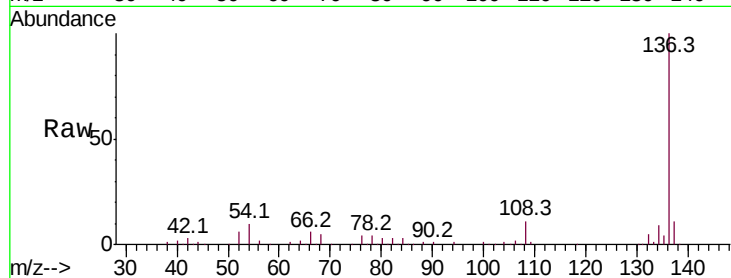




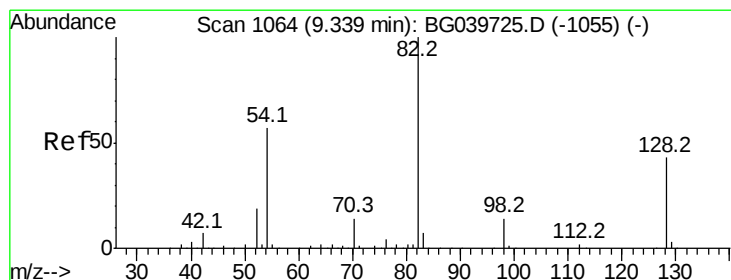
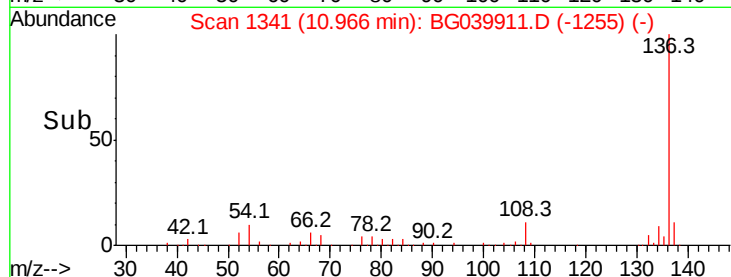
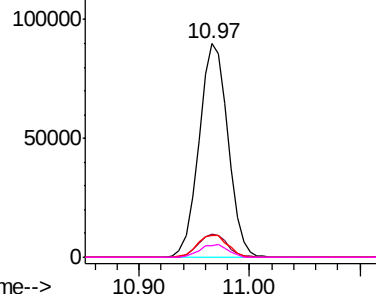
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039911.D
Acq: 13 Mar 2019 20:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	165096
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.1 13.7
54	10.2	9.4 14.2
68	5.3	4.2 6.4

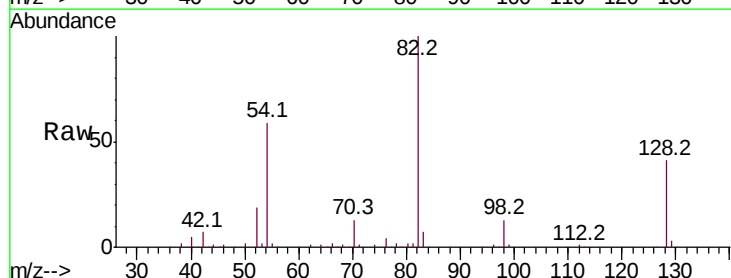


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

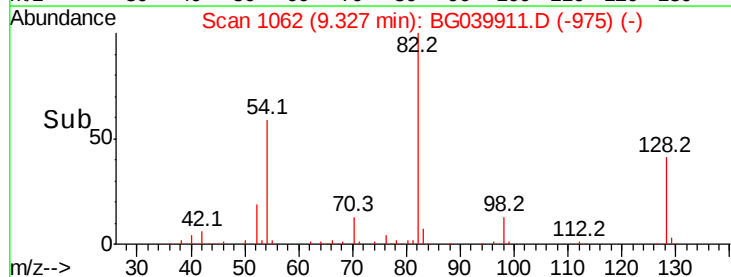
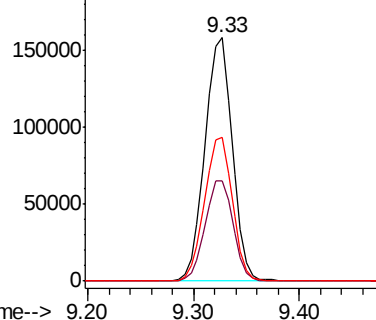


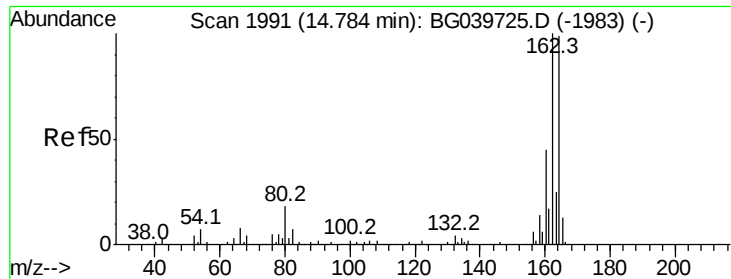
#23
Nitrobenzene-d5
Concen: 92.787 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039911.D
Acq: 13 Mar 2019 20:43

Tgt Ion: 82	Resp:	283241
Ion	Ratio	Lower Upper
82	100	
128	41.4	31.3 46.9
54	58.9	50.9 76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

Instrument :

BNA_G

ClientSampleId :

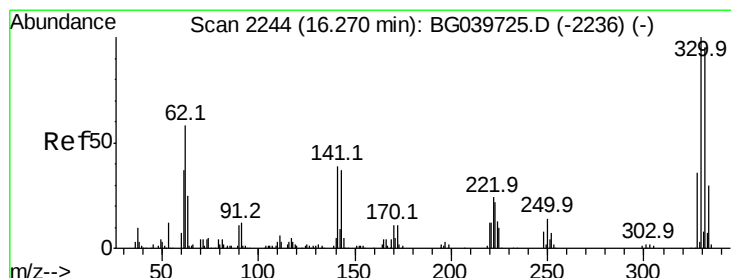
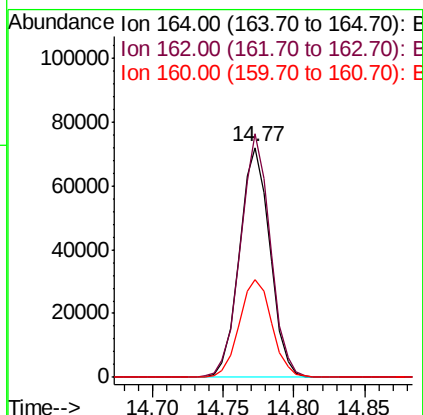
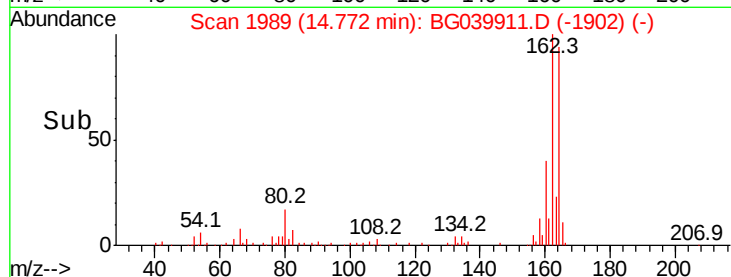
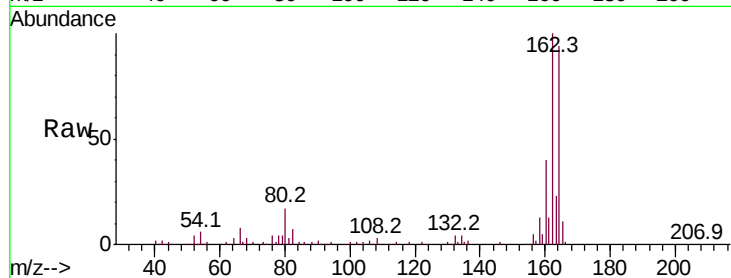
Tot Ion:164 Resp: 108490

Ion Ratio Lower Upper

164 100

162 105.8 81.6 122.4

160 42.4 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 136.358 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

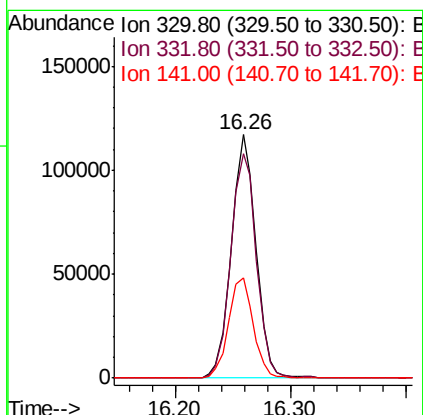
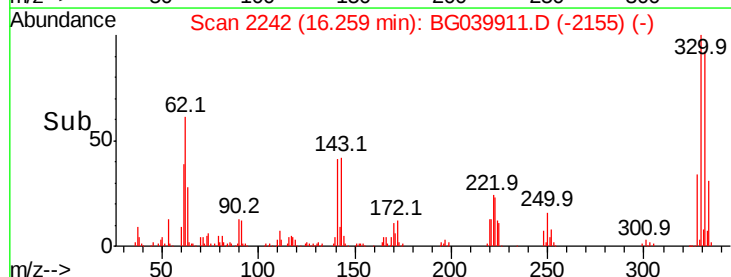
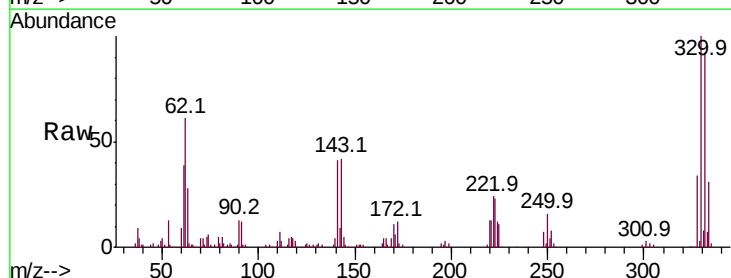
Tgt Ion:330 Resp: 172429

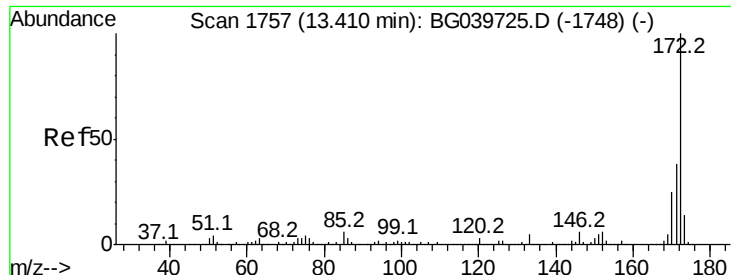
Ion Ratio Lower Upper

330 100

332 95.6 75.7 113.5

141 41.6 35.6 53.4

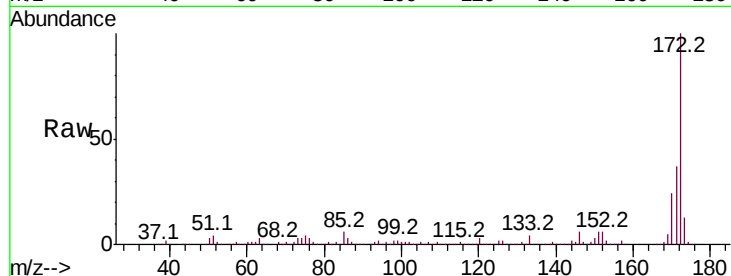




#45
2-Fluorobiphenyl
Concen: 88.837 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG039911.D
Acq: 13 Mar 2019 20:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.8	46.2
170	24.1	20.2	30.4

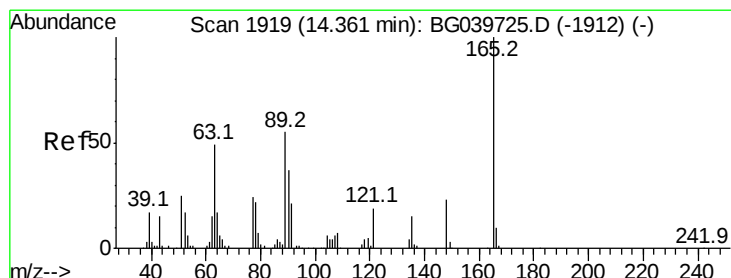
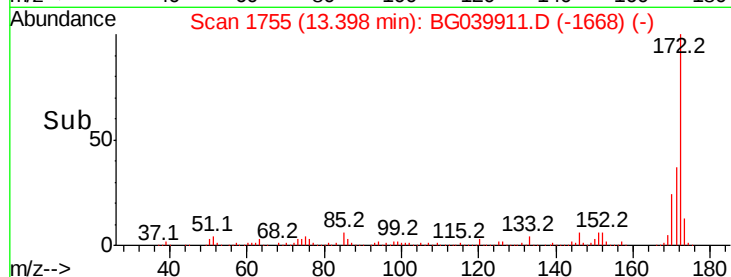
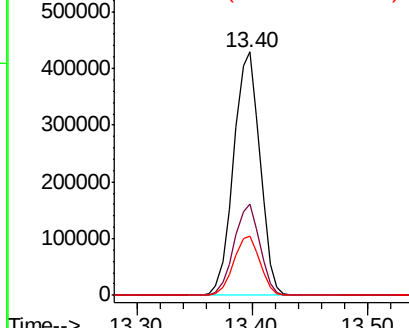


Abundance

Ion 172.00 (171.70 to 172.70): E

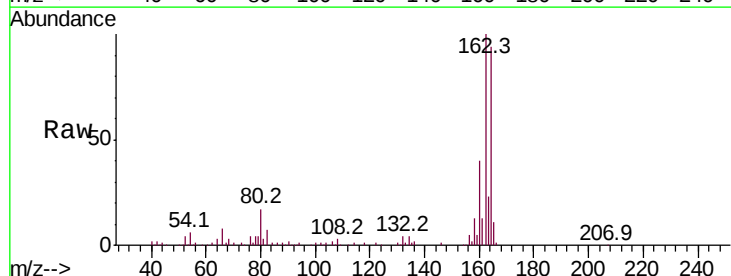
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
2,6-Dinitrotoluene
Concen: 7.057 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.40 min
Lab File: BG039911.D
Acq: 13 Mar 2019 20:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	3.2	45.8	68.8#

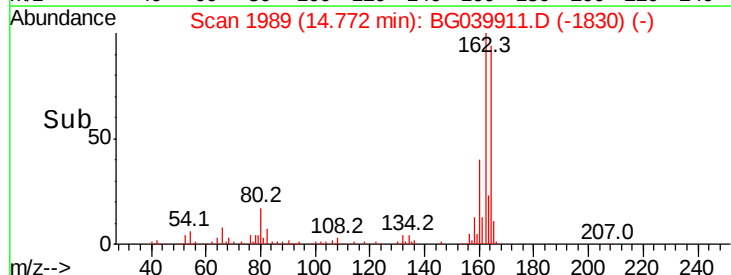
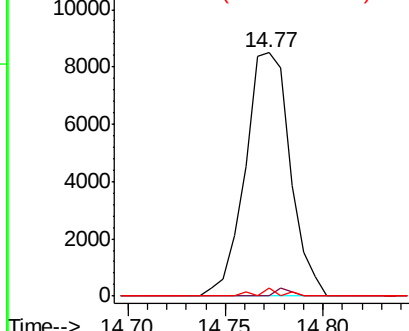


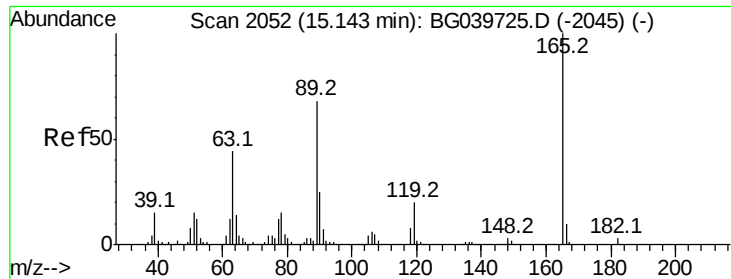
Abundance

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

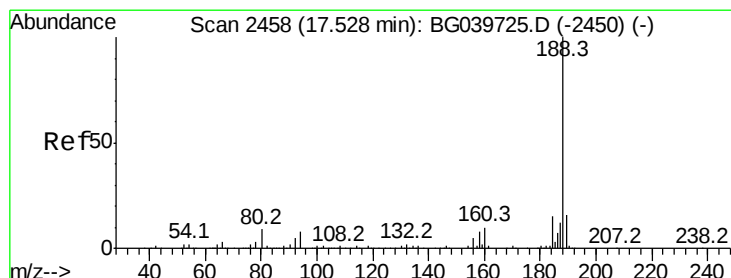
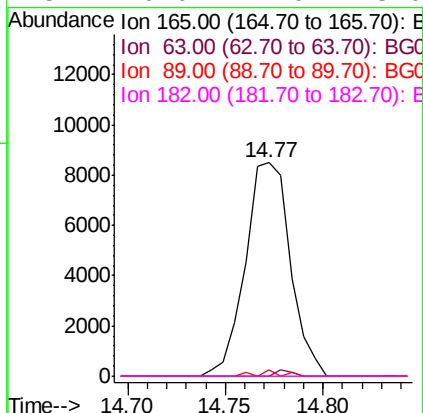
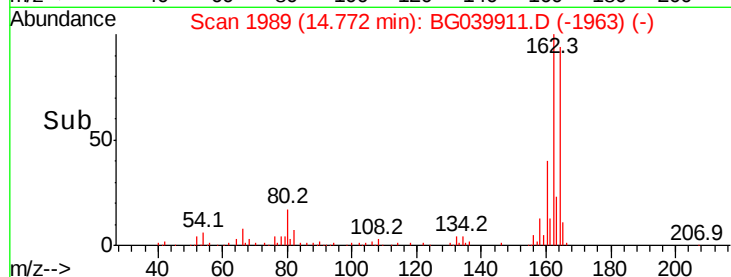
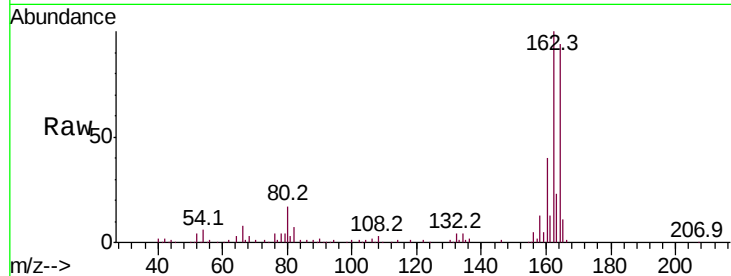




#57
 2,4-Dinitrotoluene
 Concen: 5.022 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039911.D
 Acq: 13 Mar 2019 20:43

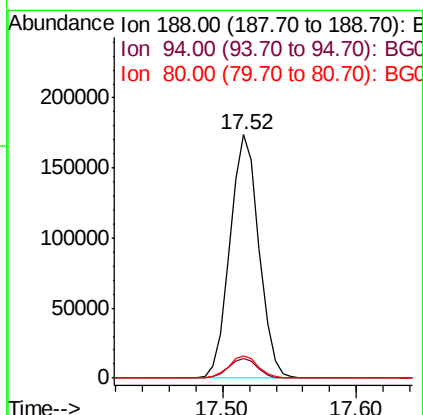
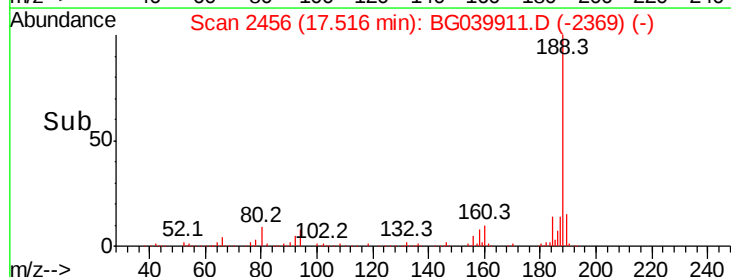
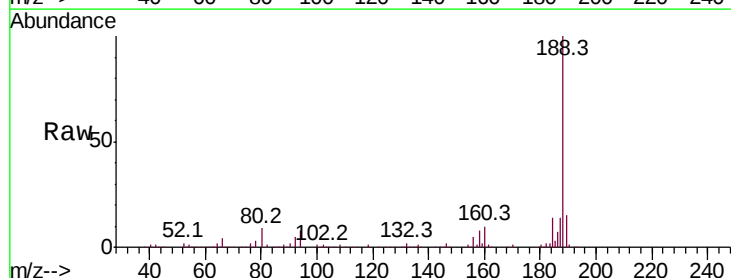
Instrument :
 BNA_G
 ClientSampleId :

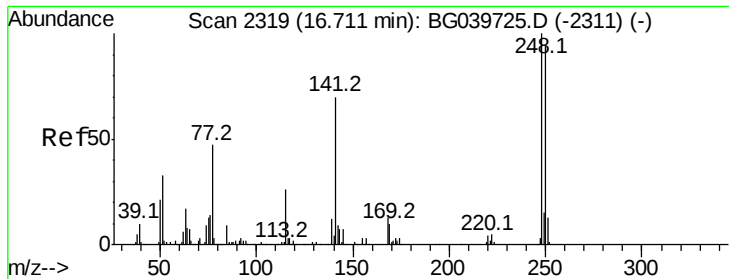
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	3.2	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039911.D
 Acq: 13 Mar 2019 20:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	9.2	8.1	12.1





#67

4-Bromophenyl-phenylether

Concen: 4.486 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

Instrument :

BNA_G

ClientSampleId :

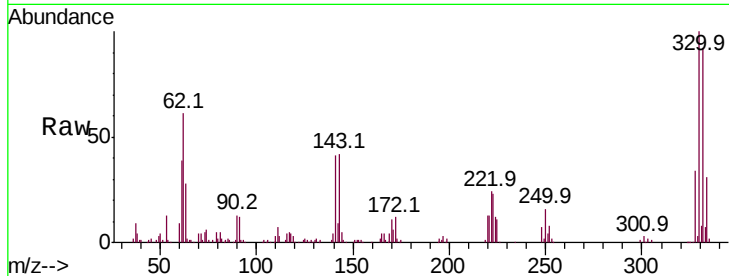
Tot Ion:248 Resp: 13240

Ion Ratio Lower Upper

248 100

250 214.7 77.6 116.4#

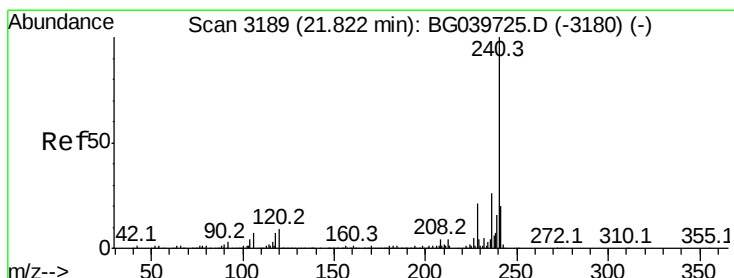
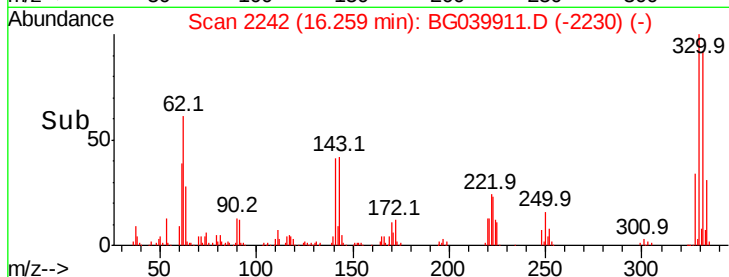
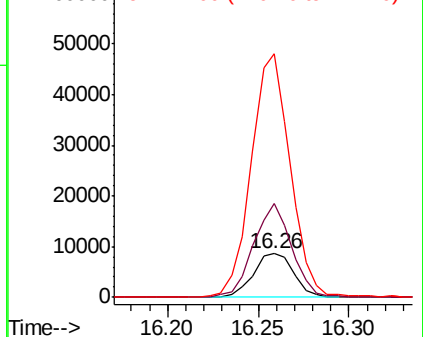
141 555.9 63.9 95.9#



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: 21.80 min Scan# 3186

Delta R.T. -0.02 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

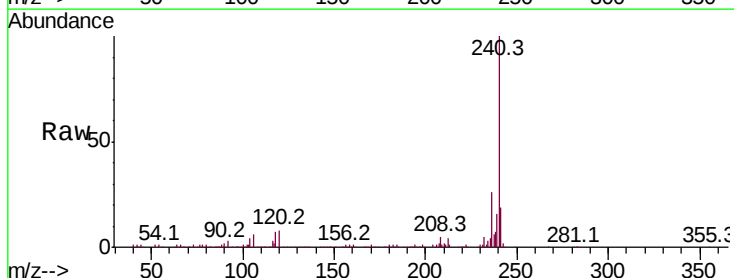
Tgt Ion:240 Resp: 298402

Ion Ratio Lower Upper

240 100

120 8.0 7.0 10.6

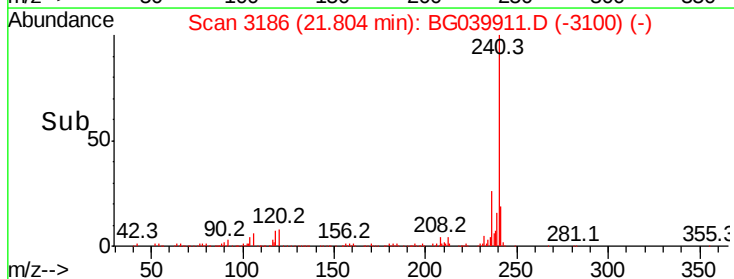
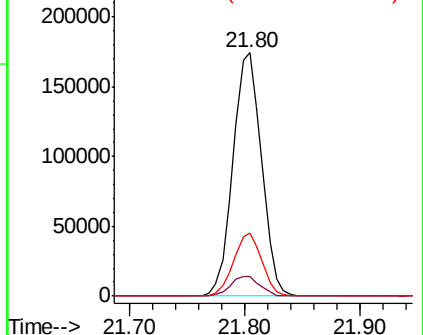
236 26.2 21.0 31.4

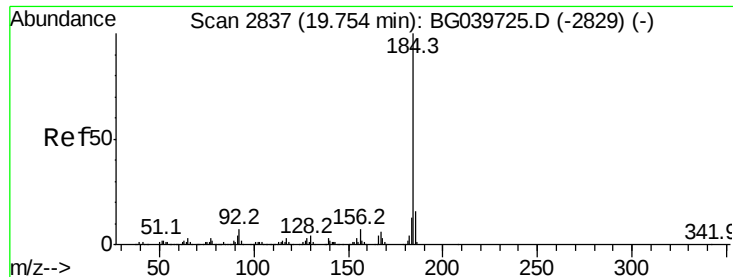


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.093 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

Instrument :

BNA_G

ClientSampleId :

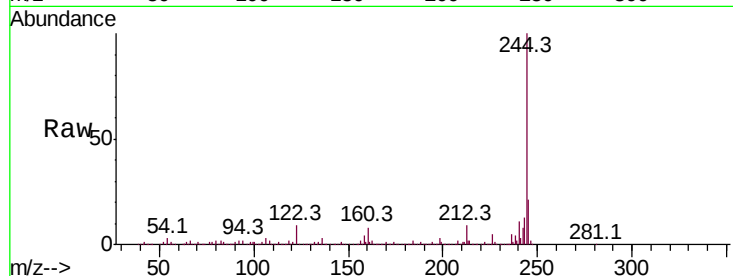
Tot Ion:184 Resp: 19816

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

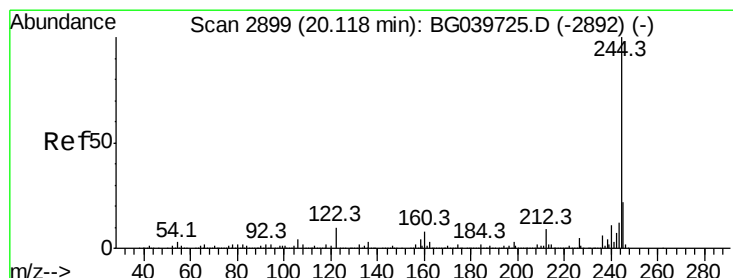
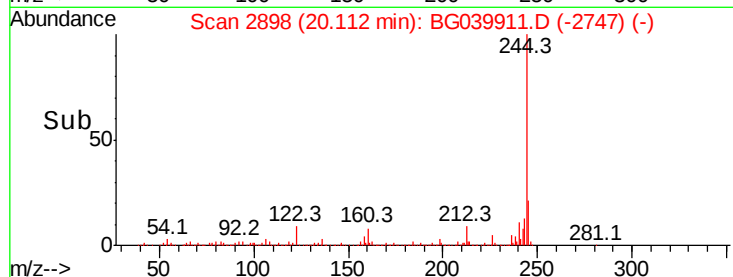
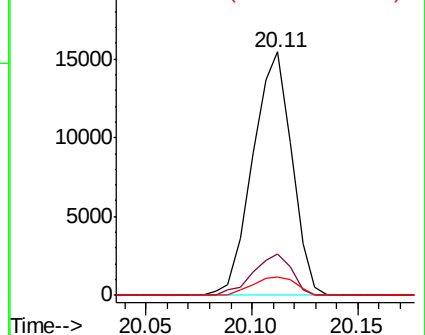
183 7.5 10.6 15.8#



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: 81.875 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039911.D

Acq: 13 Mar 2019 20:43

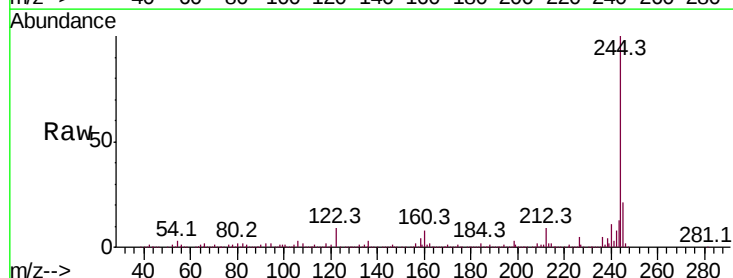
Tgt Ion:244 Resp: 1109613

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

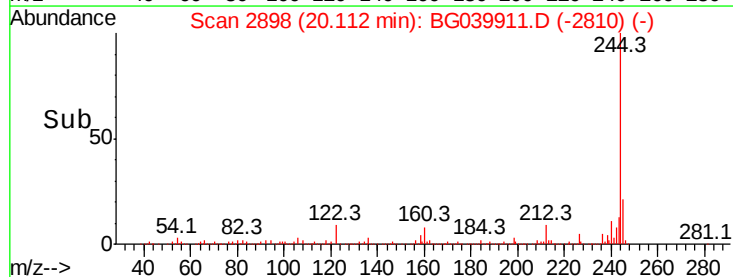
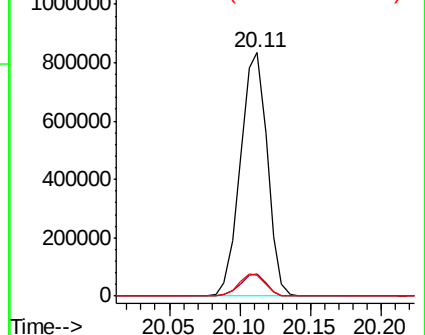
122 8.7 8.4 12.6

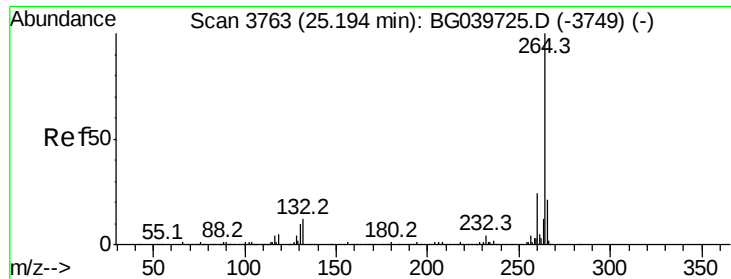


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.16 min Scan# 3758
 Delta R.T. -0.04 min
 Lab File: BG039911.D
 Acq: 13 Mar 2019 20:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.0	18.5	27.7

