

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG013019\
 Data File : BG039334.D
 Acq On : 30 Jan 2019 19:11
 Operator : JU/SJ
 Sample : PB116724BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116724BL

Quant Time: Jan 31 05:42:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

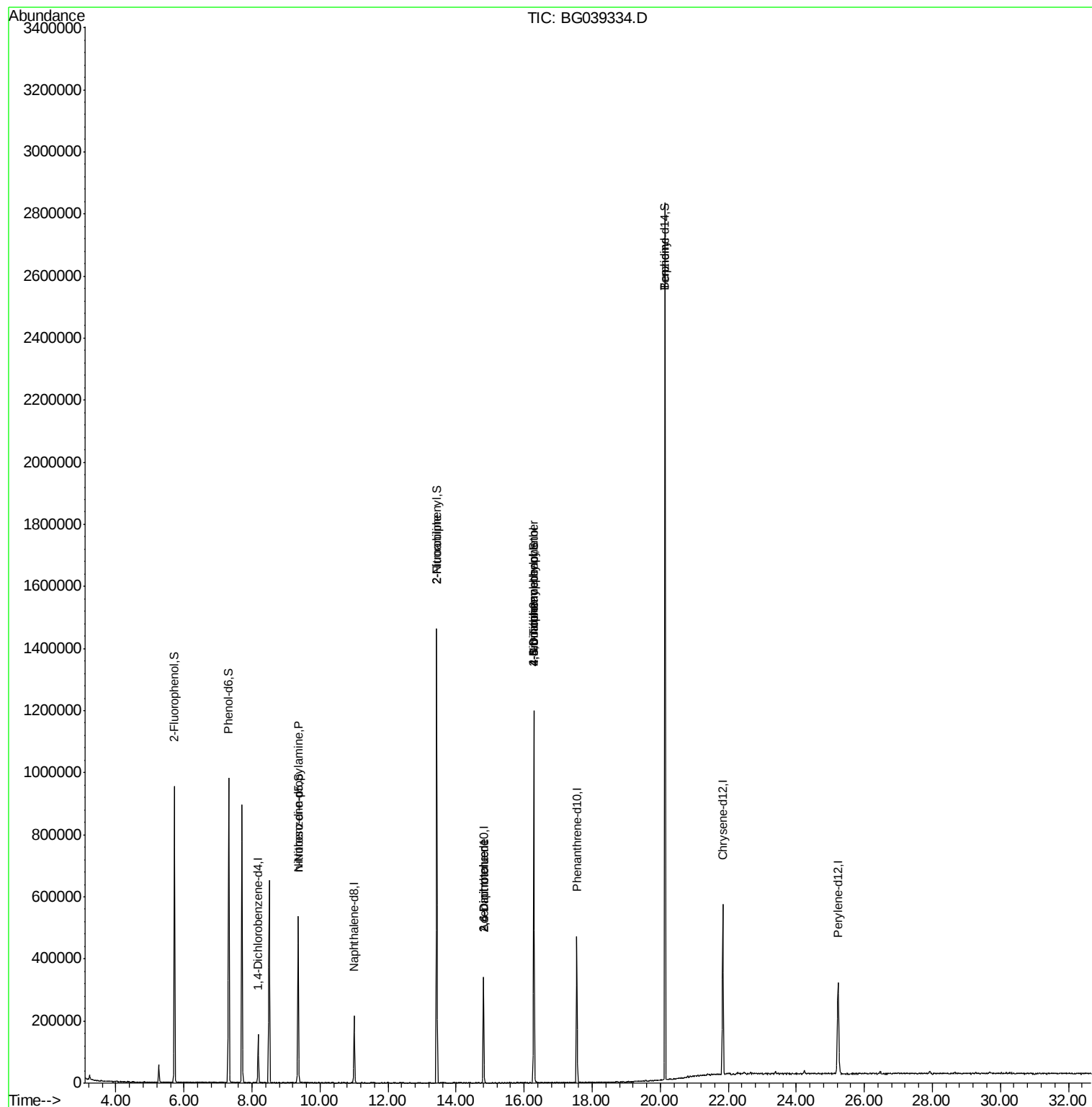
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	41855	20.00	ng	0.00
21) Naphthalene-d8	11.01	136	180081	20.00	ng	0.00
39) Acenaphthene-d10	14.81	164	116401	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	293289	20.00	ng	0.00
76) Chrysene-d12	21.84	240	329962	20.00	ng	0.00
87) Perylene-d12	25.23	264	324961	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	378482	154.77	ng	0.00
7) Phenol-d6	7.32	99	536878	149.14	ng	0.00
23) Nitrobenzene-d5	9.36	82	298868	103.68	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	191020	152.40	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	766562	94.47	ng	0.00
79) Terphenyl-d14	20.14	244	1339490	85.93	ng	0.00
Target Compounds						
9) Benzaldehyde	7.32	77	813	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.36	70	40086	15.690	ng	# 4
48) 2-Nitroaniline	13.43	65	1533	8.902	ng	# 77
51) 2,6-Dinitrotoluene	14.81	165	15400	14.126	ng	# 4
57) 2,4-Dinitrotoluene	14.81	165	15400	13.552	ng	# 22
62) 4-Nitroaniline	16.28	138	85	4.242	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.28	198	711	4.952	ng	# 1
67) 4-Bromophenyl-phenylether	16.29	248	14674	4.510	ng	# 1
77) Benzidine	20.14	184	24327	2.249	ng	# 93

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

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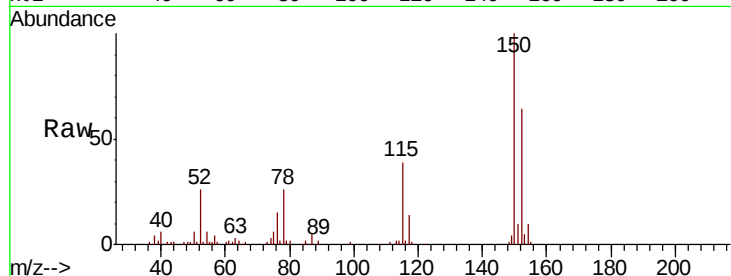


#1

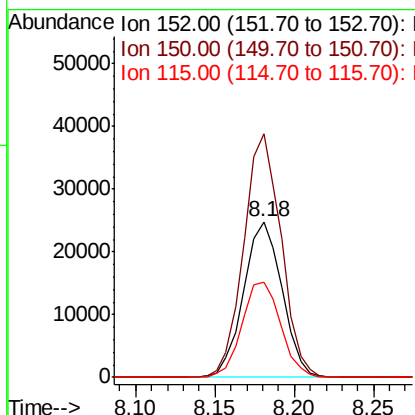
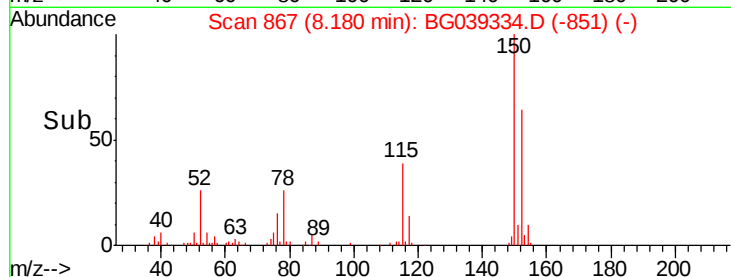
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

Instrument :
BNA_G
ClientSampleId :
PB116724BL

Tgt Ion:152 Resp: 41855
Ion Ratio Lower Upper
152 100
150 156.5 123.7 185.5
115 61.4 45.9 68.9



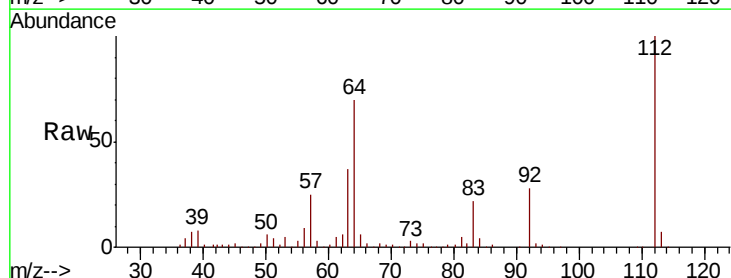
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



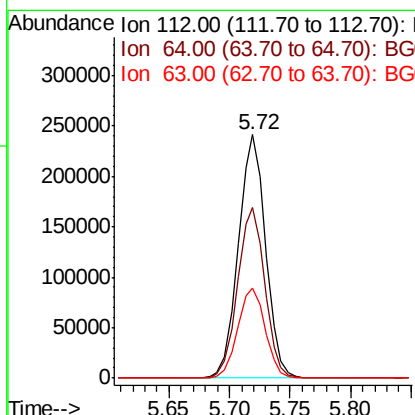
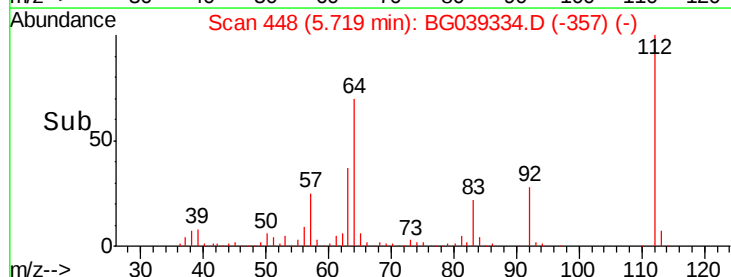
#5

2-Fluorophenol
Concen: 154.767 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

Tgt Ion:112 Resp: 378482
Ion Ratio Lower Upper
112 100
64 69.9 57.8 86.8
63 36.8 29.8 44.6



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: 149.145 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039334.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_G

ClientSampleId :

PB116724BL

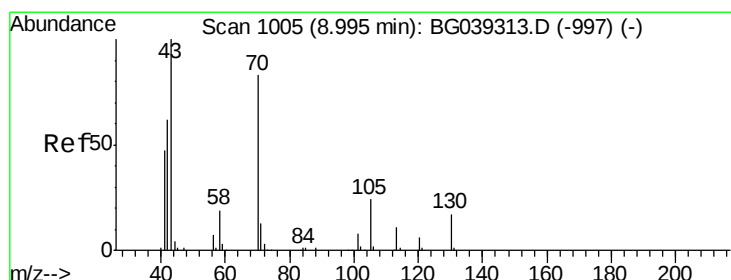
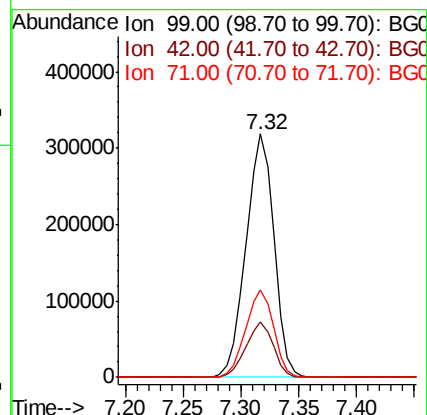
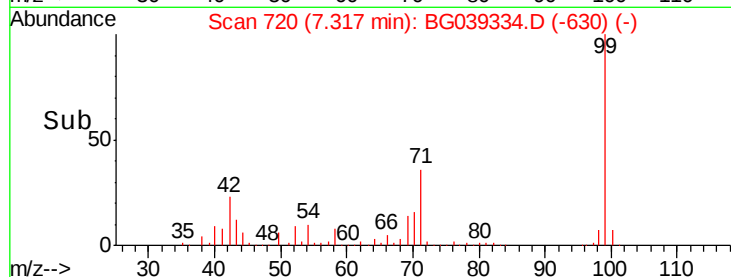
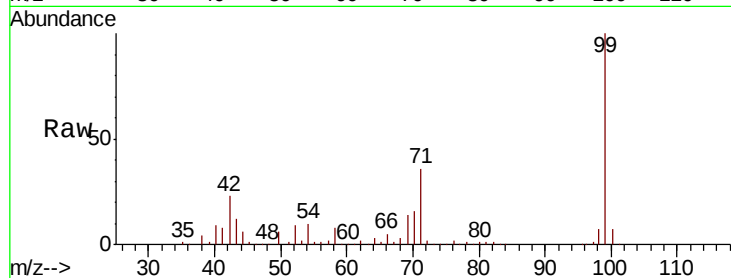
Tgt Ion: 99 Resp: 536878

Ion Ratio Lower Upper

99 100

42 22.5 18.2 27.2

71 36.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.690 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039334.D

Acq: 30 Jan 2019 19:11

Tgt Ion: 70 Resp: 40086

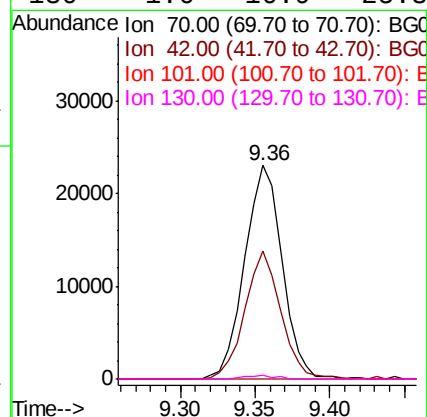
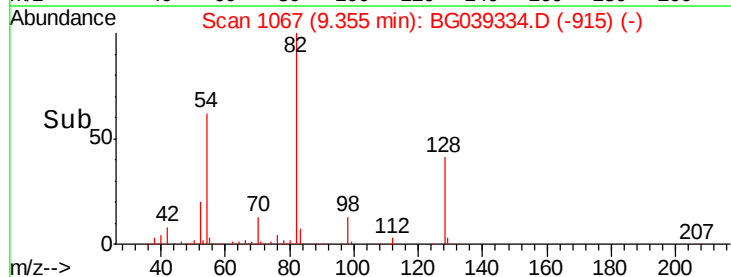
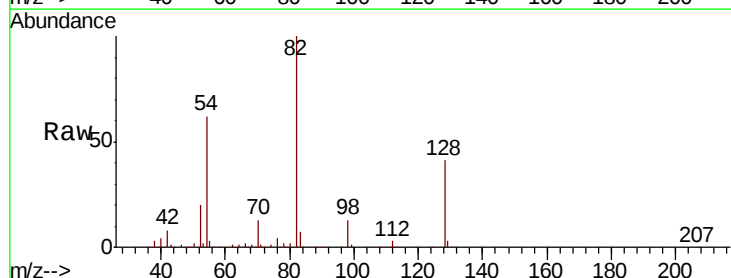
Ion Ratio Lower Upper

70 100

42 60.1 60.4 90.6#

101 0.0 7.5 11.3#

130 1.6 16.9 25.3#

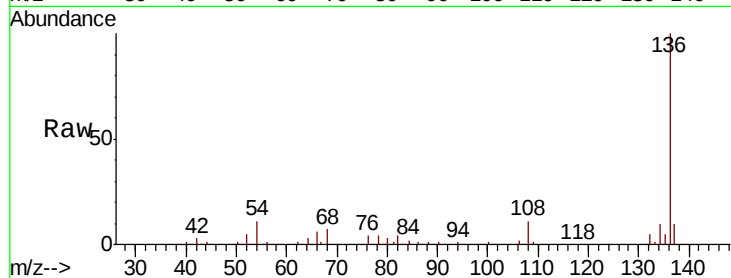




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.01 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

Instrument :
BNA_G
ClientSampleId :
PB116724BL

Tgt Ion:	136	Resp:	180081
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.1	13.7
54	11.2	9.4	14.2
68	6.8	4.2	6.4#



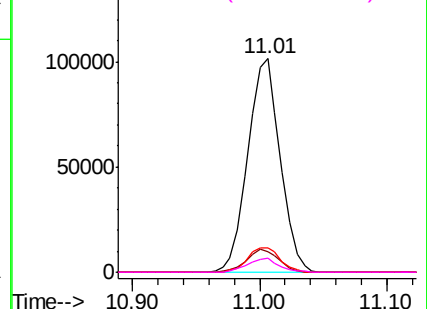
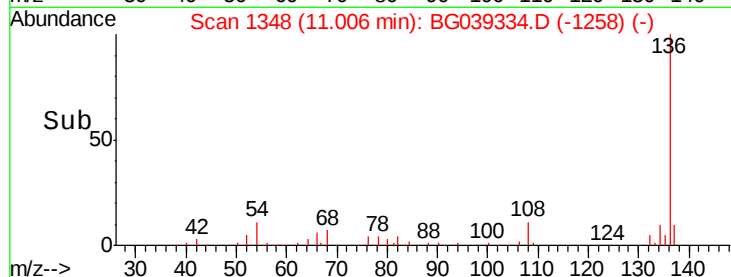
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

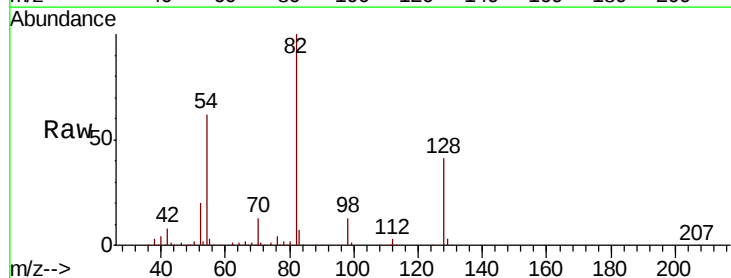
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 103.680 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

Tgt Ion:	82	Resp:	298868
Ion	Ratio	Lower	Upper
82	100		
128	40.9	31.3	46.9
54	61.8	50.9	76.3

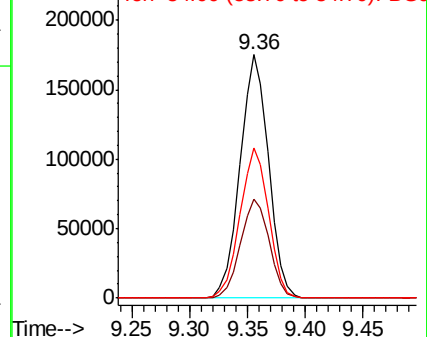
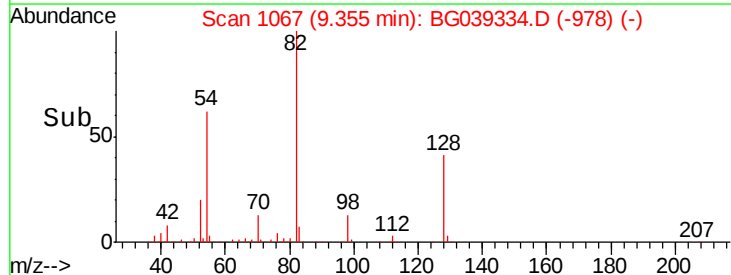


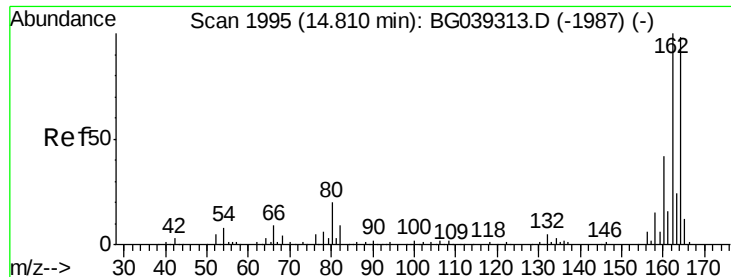
Abundance

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.81 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BG039334.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_G

ClientSampleId :

PB116724BL

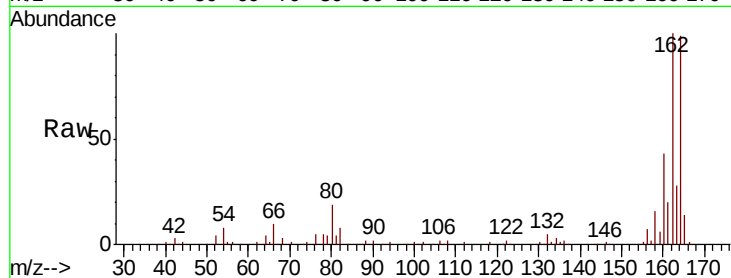
Tgt Ion:164 Resp: 116401

Ion Ratio Lower Upper

164 100

162 100.9 81.6 122.4

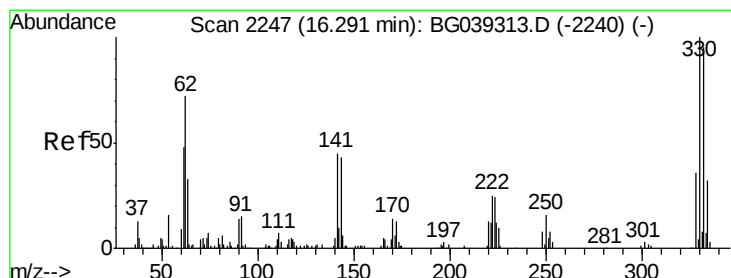
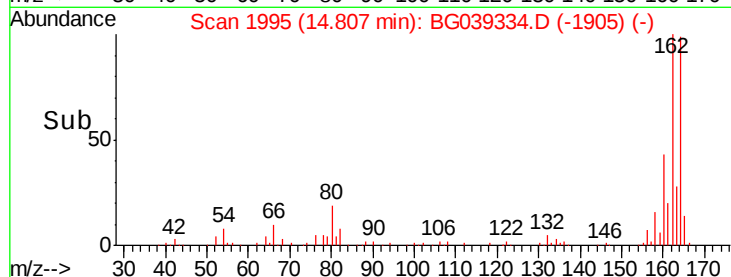
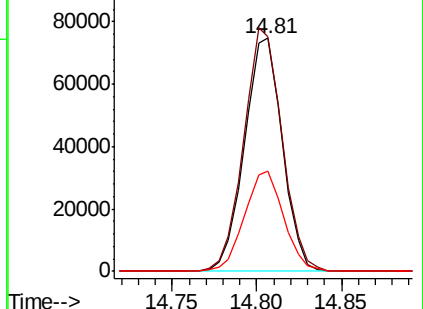
160 43.1 34.2 51.2



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: 152.397 ng

RT: 16.29 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BG039334.D

Acq: 30 Jan 2019 19:11

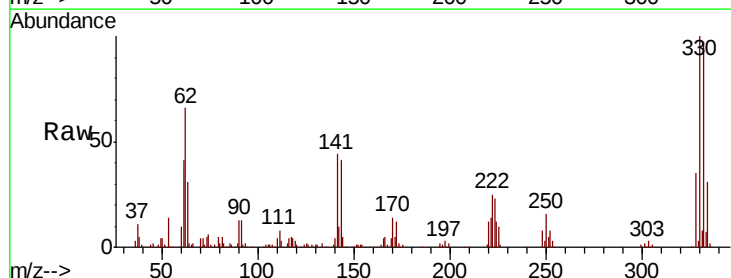
Tgt Ion:330 Resp: 191020

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

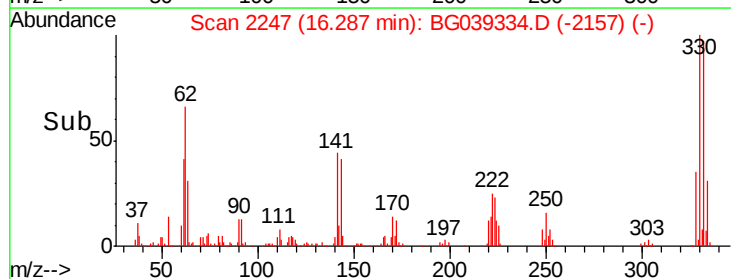
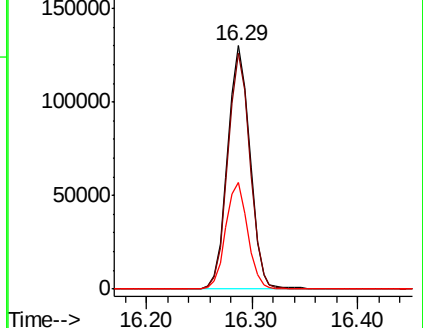
141 43.1 35.6 53.4



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

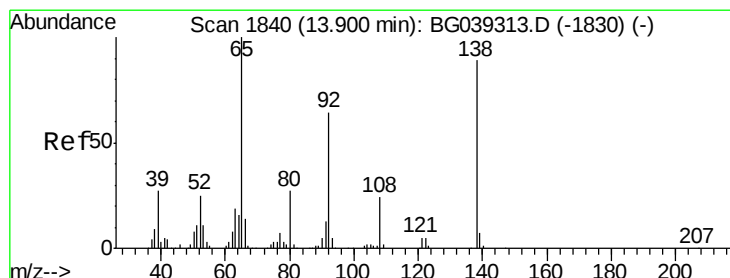
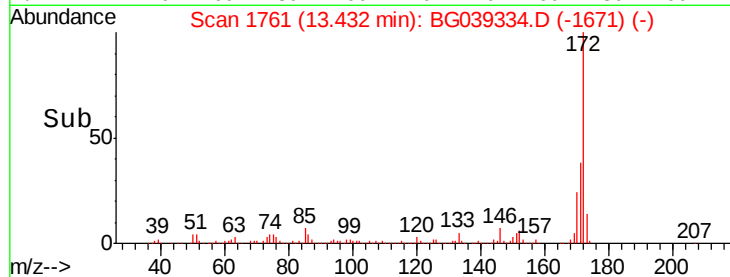
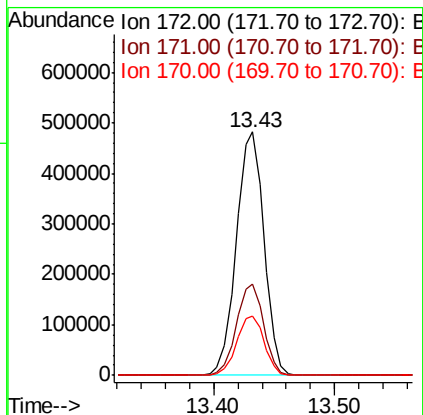
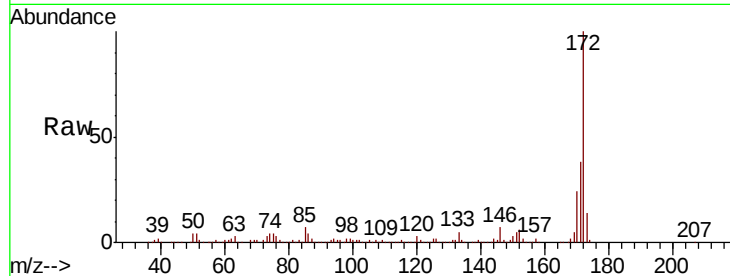




#45
 2-Fluorobiphenyl
 Concen: 94.473 ng
 RT: 13.43 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BG039334.D
 Acq: 30 Jan 2019 19:11

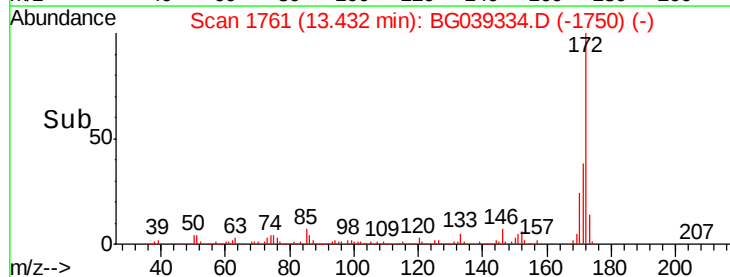
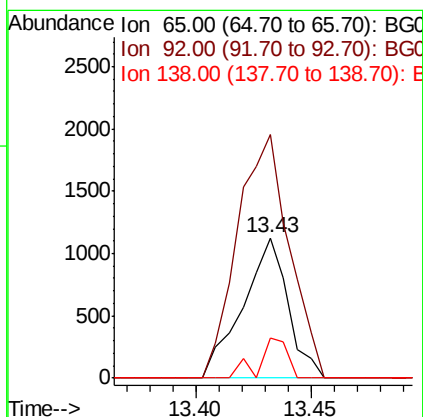
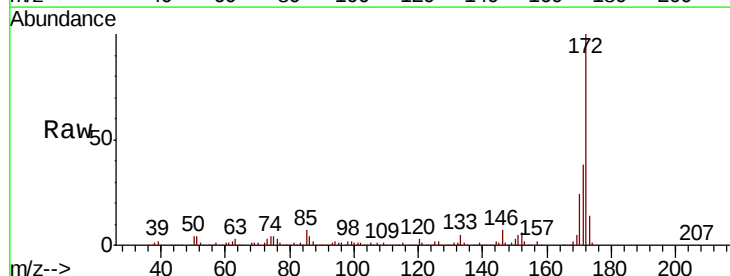
Instrument :
 BNA_G
 ClientSampleId :
 PB116724BL

Tgt Ion: 172 Resp: 766562
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 24.4 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.902 ng
 RT: 13.43 min Scan# 1761
 Delta R.T. -0.47 min
 Lab File: BG039334.D
 Acq: 30 Jan 2019 19:11

Tgt Ion: 65 Resp: 1533
 Ion Ratio Lower Upper
 65 100
 92 173.2 51.4 77.2#
 138 28.5 71.4 107.2#

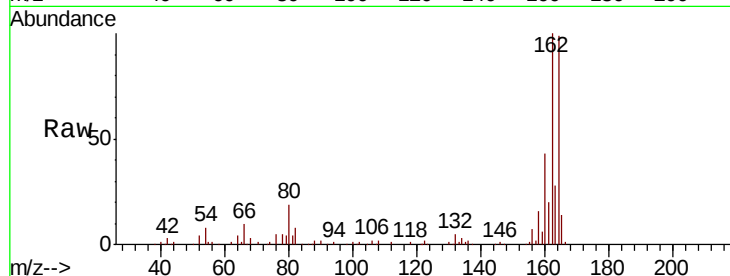




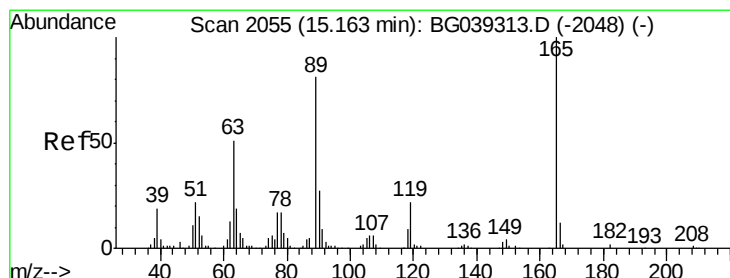
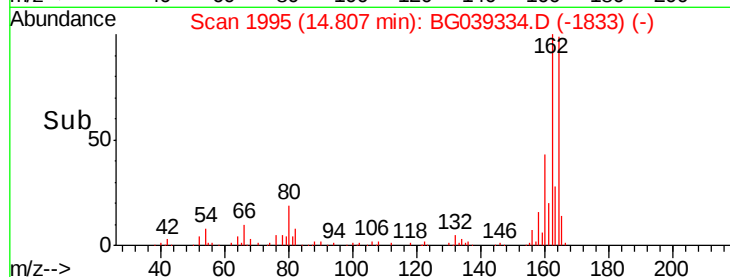
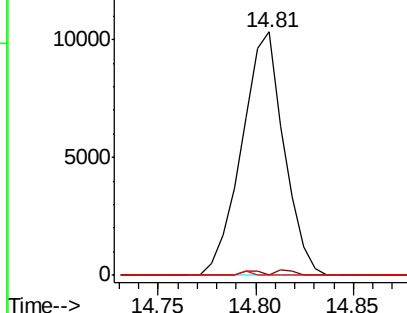
#51
 2,6-Dinitrotoluene
 Concen: 14.126 ng
 RT: 14.81 min Scan# 1995
 Delta R.T. 0.42 min
 Lab File: BG039334.D
 Acq: 30 Jan 2019 19:11

Instrument :
 BNA_G
 ClientSampleId :
 PB116724BL

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



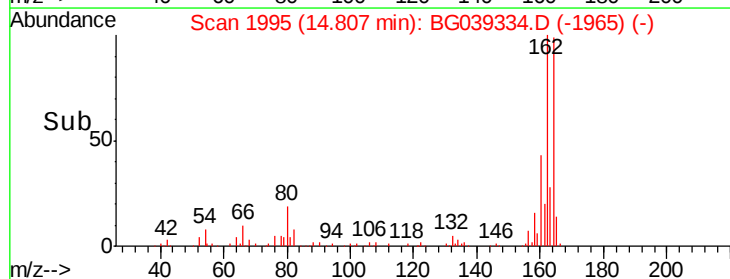
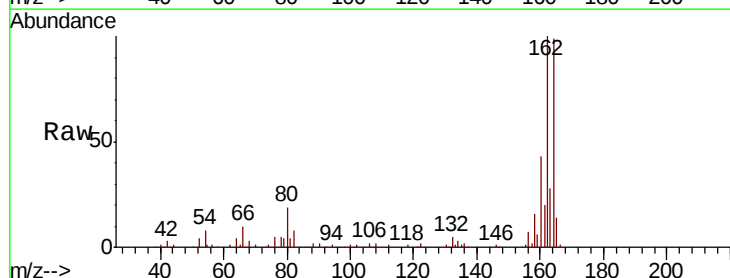
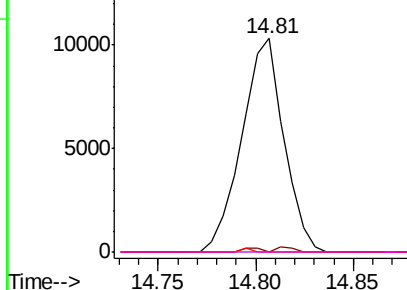
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

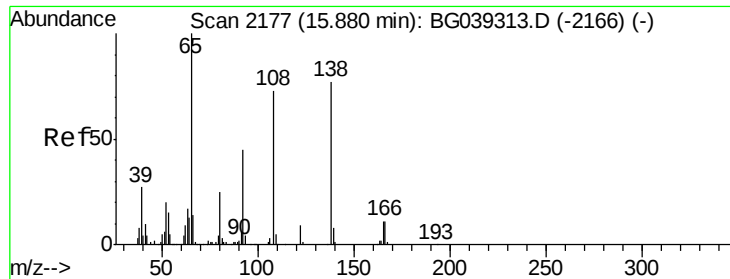


#57
 2,4-Dinitrotoluene
 Concen: 13.552 ng
 RT: 14.81 min Scan# 1995
 Delta R.T. -0.36 min
 Lab File: BG039334.D
 Acq: 30 Jan 2019 19:11

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

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

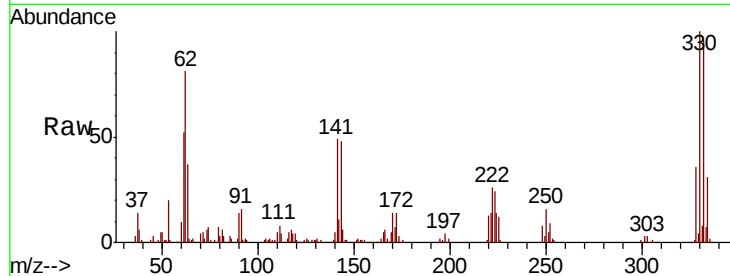




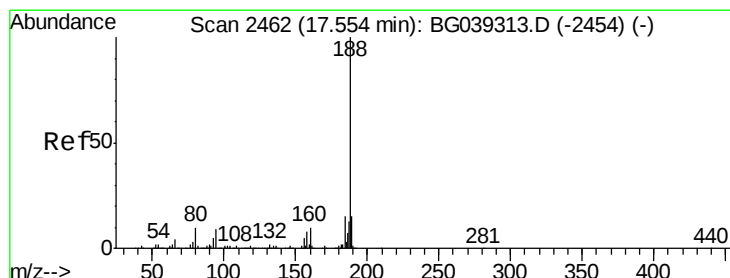
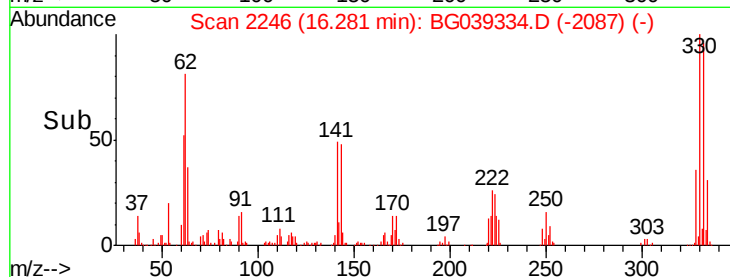
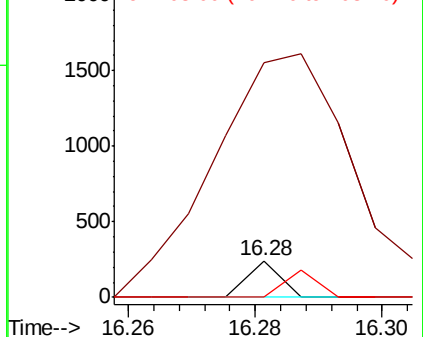
#62
4-Nitroaniline
Concen: 4.242 ng
RT: 16.28 min Scan# 2246
Delta R.T. 0.40 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

Instrument :
BNA_G
ClientSampleId :
PB116724BL

Tgt Ion:138 Resp: 85
Ion Ratio Lower Upper
138 100
92 640.9 38.7 78.7#
108 0.0 74.6 114.6#

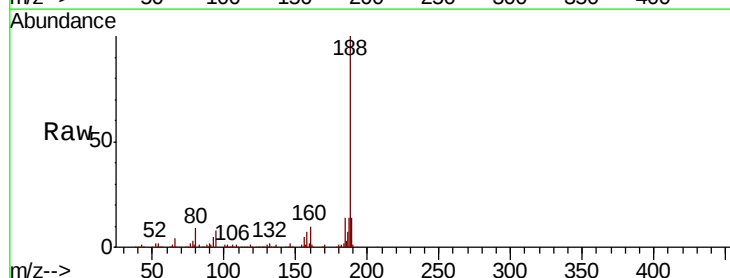


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

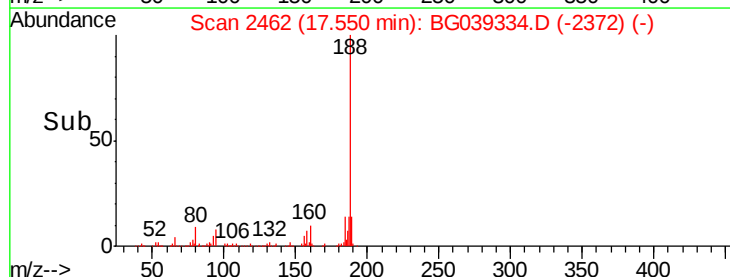
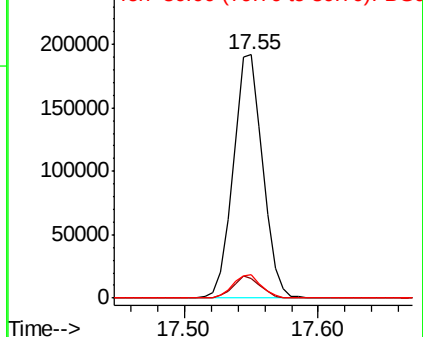


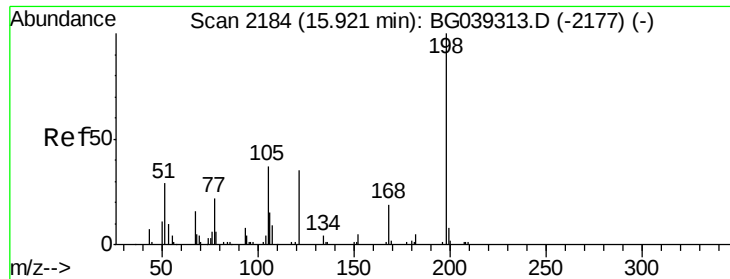
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.00 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

Tgt Ion:188 Resp: 293289
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.5 8.1 12.1



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

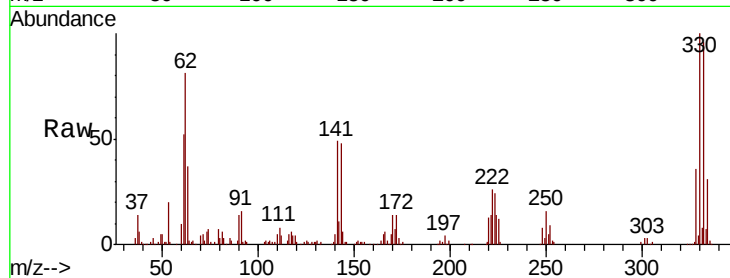




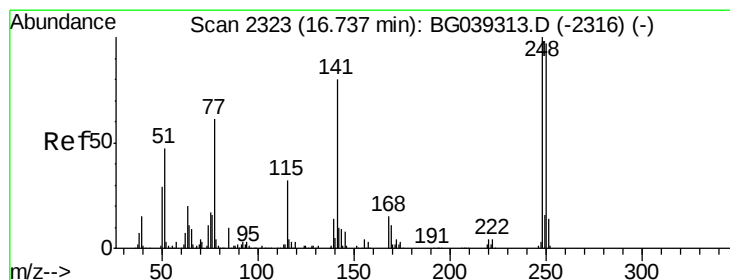
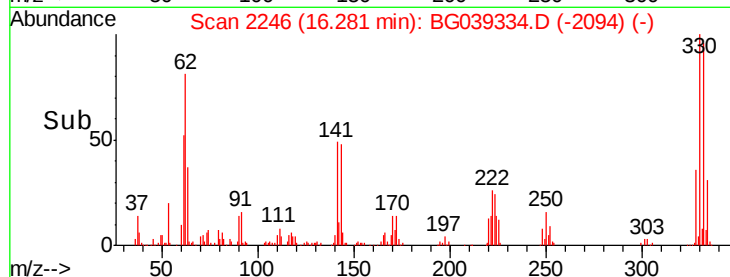
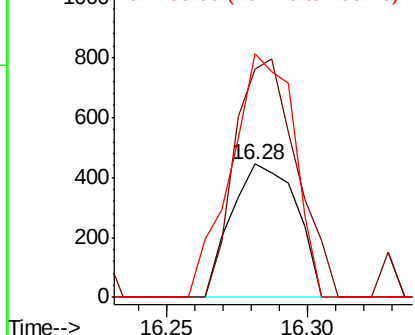
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.952 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039334.D
 Acq: 30 Jan 2019 19:11

Instrument :
 BNA_G
 ClientSampleId :
 PB116724BL

Tgt Ion:198 Resp: 711
 Ion Ratio Lower Upper
 198 100
 51 171.0 27.4 67.4#
 105 182.5 19.7 59.7#

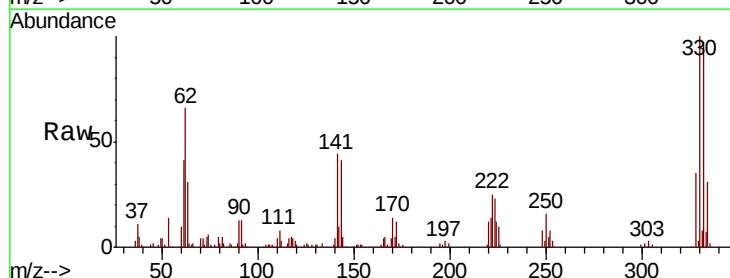


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

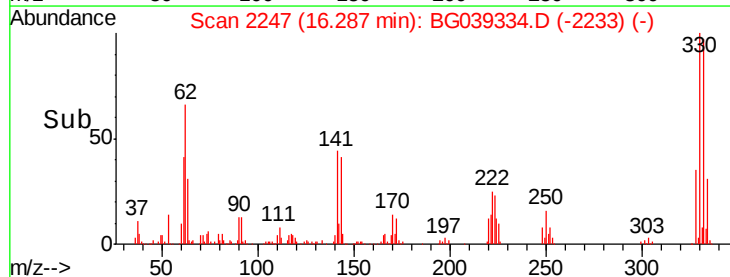
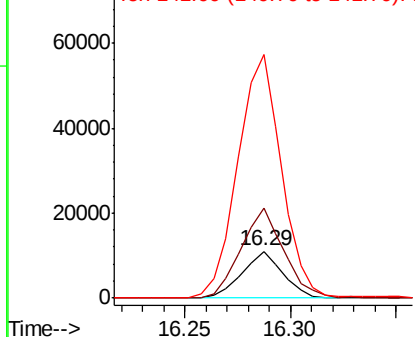


#67
 4-Bromophenyl-phenylether
 Concen: 4.510 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.45 min
 Lab File: BG039334.D
 Acq: 30 Jan 2019 19:11

Tgt Ion:248 Resp: 14674
 Ion Ratio Lower Upper
 248 100
 250 192.7 77.6 116.4#
 141 523.4 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

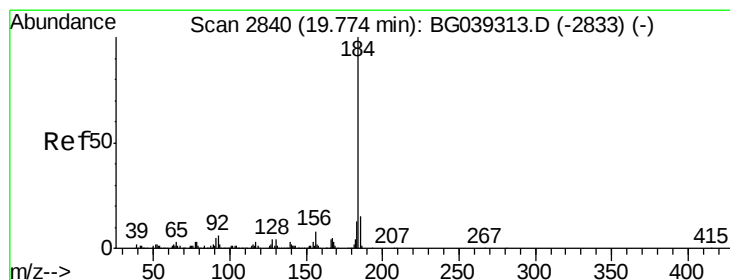
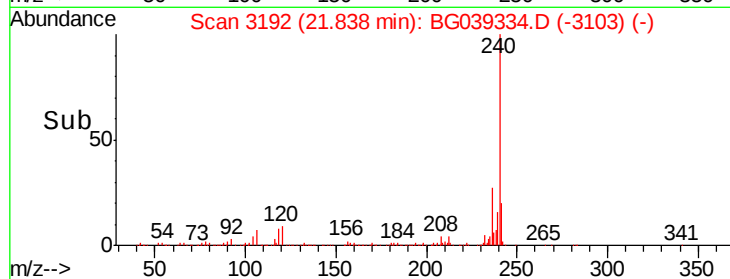
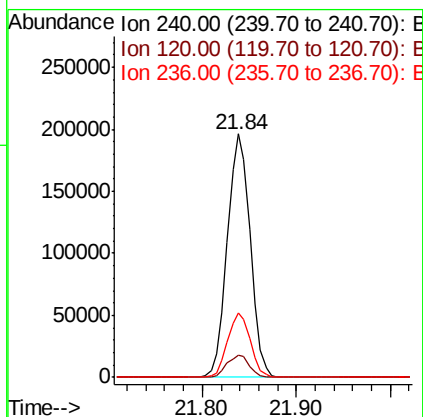
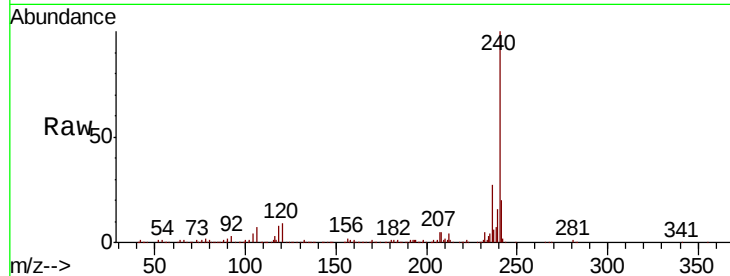




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3192
Delta R.T. -0.01 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

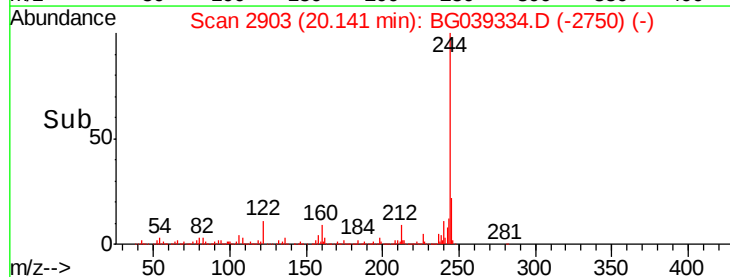
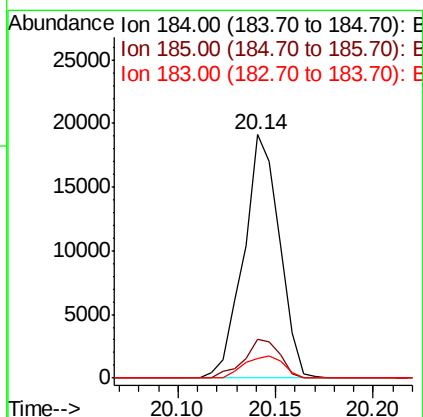
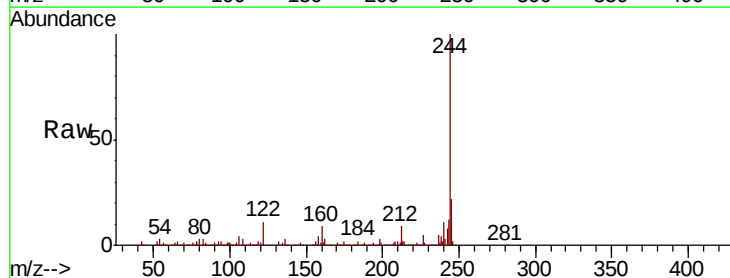
Instrument :
BNA_G
ClientSampleId :
PB116724BL

Tgt Ion:240 Resp: 329962
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.5 21.0 31.4



#77
Benzidine
Concen: 2.249 ng
RT: 20.14 min Scan# 2903
Delta R.T. 0.37 min
Lab File: BG039334.D
Acq: 30 Jan 2019 19:11

Tgt Ion:184 Resp: 24327
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 8.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 85.928 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039334.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_G

ClientSampleId :

PB116724BL

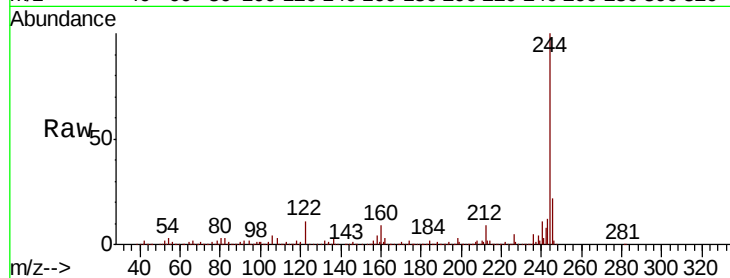
Tgt Ion:244 Resp: 1339490

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

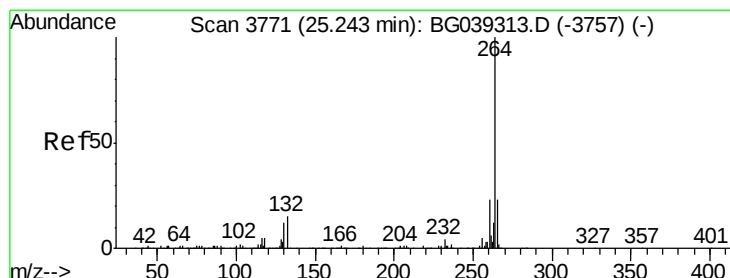
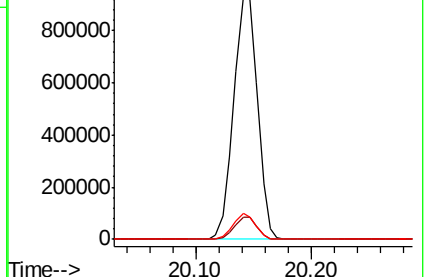
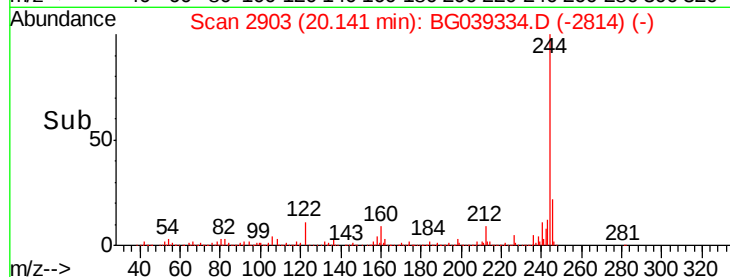
122 10.9 8.4 12.6



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

Perylene-d12

Concen: 20.000 ng

RT: 25.23 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BG039334.D

Acq: 30 Jan 2019 19:11

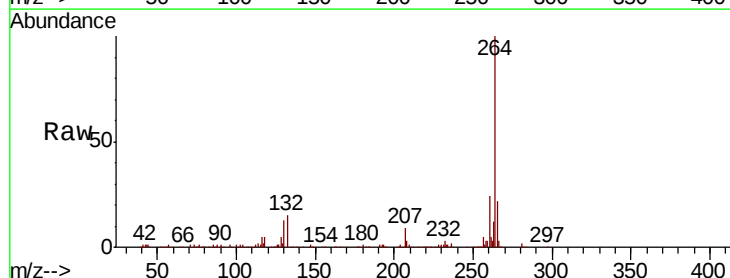
Tgt Ion:264 Resp: 324961

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 22.0 18.5 27.7



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

