

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020519\NOT REVIEWED DATA\
 Data File : BG039364.D
 Acq On : 5 Feb 2019 21:24
 Operator : JU/SJ
 Sample : PB116850TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116850TB

Quant Time: Feb 05 23:43:02 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	8.17	152	47516	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	205306	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	129952	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	311744	20.00	ng	0.00
76) Chrysene-d12	21.83	240	364406	20.00	ng	-0.02
87) Perylene-d12	25.22	264	361520	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	438255	157.86	ng	0.00
7) Phenol-d6	7.32	99	611873	149.73	ng	0.00
23) Nitrobenzene-d5	9.36	82	340775	103.69	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	156951	112.16	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	879831	97.13	ng	0.00
79) Terphenyl-d14	20.14	244	1447466	84.08	ng	0.00

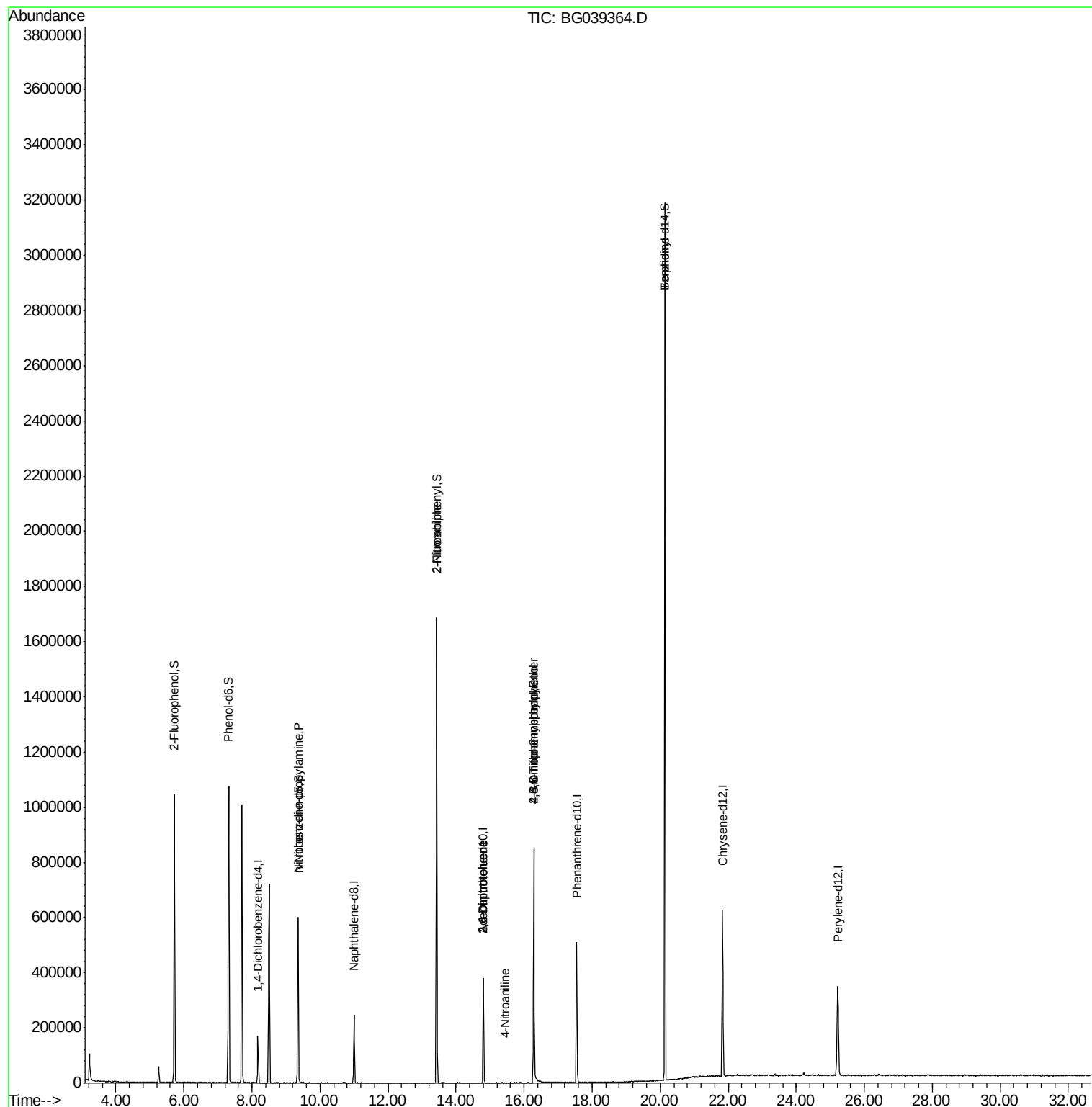
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1304	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	45050	15.532	ng	# 64
48) 2-Nitroaniline	13.43	65	1485	8.822	ng	# 4
51) 2,6-Dinitrotoluene	14.80	165	16845	13.973	ng	# 24
57) 2,4-Dinitrotoluene	14.80	165	16845	13.436	ng	# 19
62) 4-Nitroaniline	15.44	138	60	4.227	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	445	4.632	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	11704	3.384	ng	# 1
77) Benzidine	20.14	184	24611	2.060	ng	95

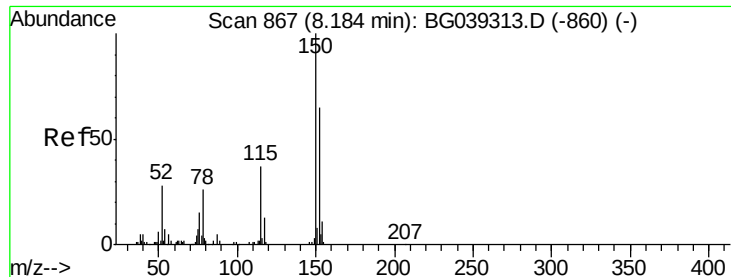
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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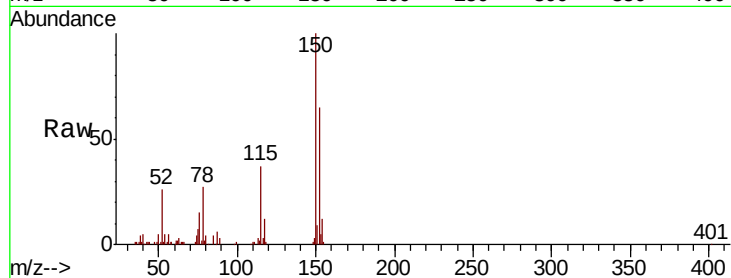


#1

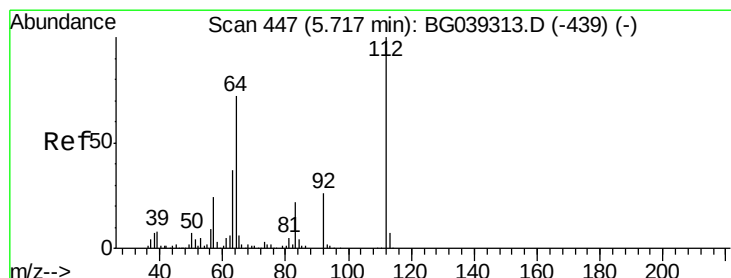
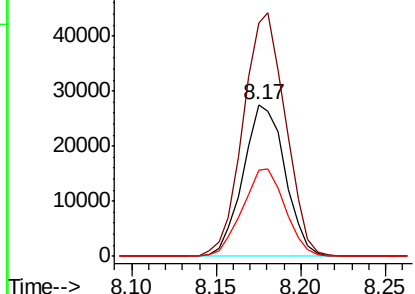
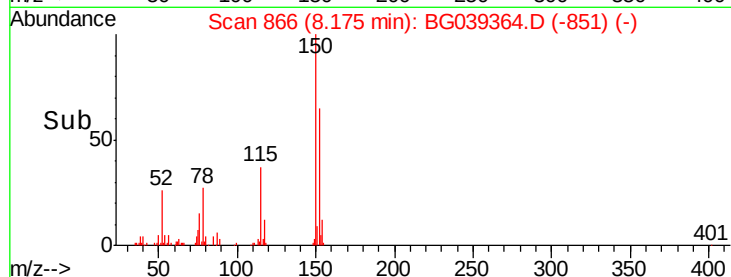
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039364.D
Acq: 5 Feb 2019 21:24

Instrument :
BNA_G
ClientSampleId :
PB116850TB

Tgt Ion:152 Resp: 47516
Ion Ratio Lower Upper
152 100
150 153.9 123.7 185.5
115 56.7 45.9 68.9



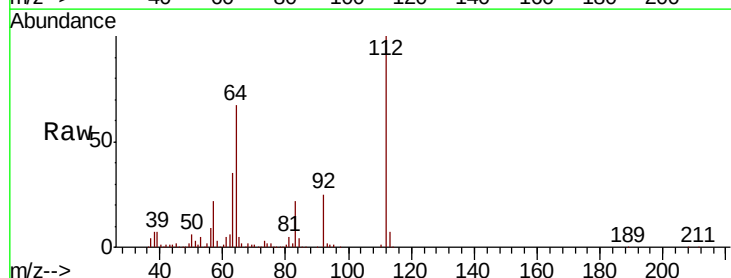
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



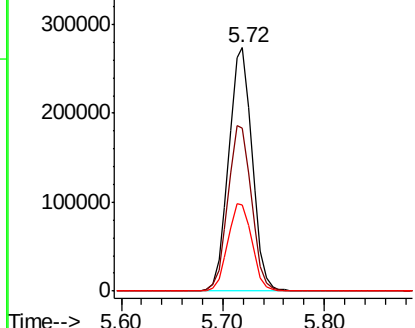
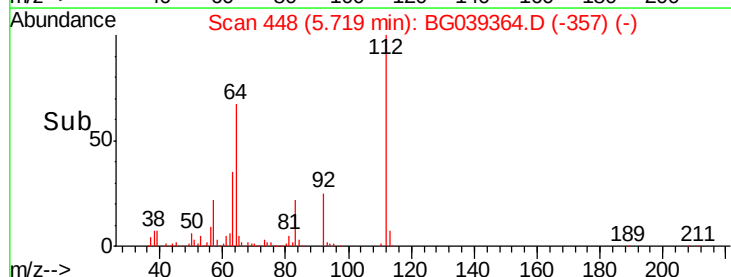
#5

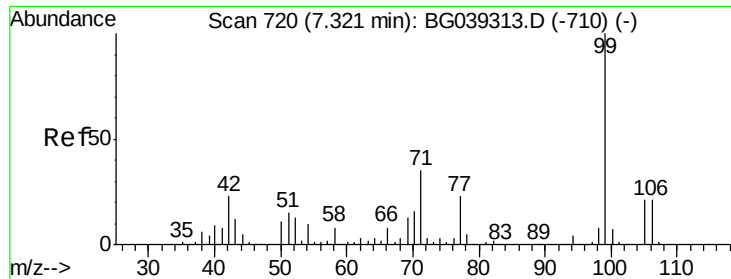
2-Fluorophenol
Concen: 157.858 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039364.D
Acq: 5 Feb 2019 21:24

Tgt Ion:112 Resp: 438255
Ion Ratio Lower Upper
112 100
64 66.9 57.8 86.8
63 35.5 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: 149.727 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

Instrument :

BNA_G

ClientSampleId :

PB116850TB

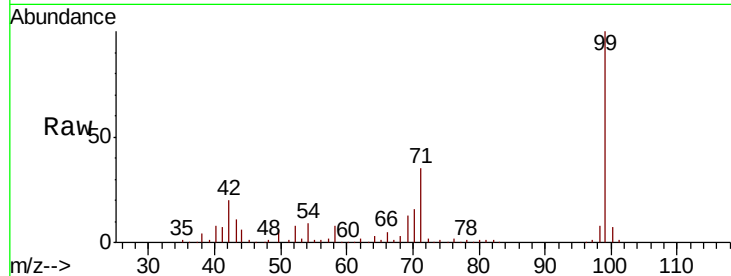
Tgt Ion: 99 Resp: 611873

Ion Ratio Lower Upper

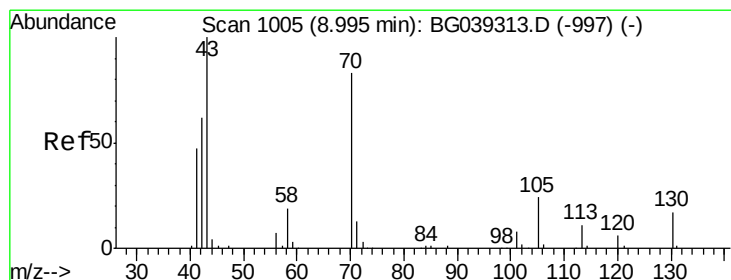
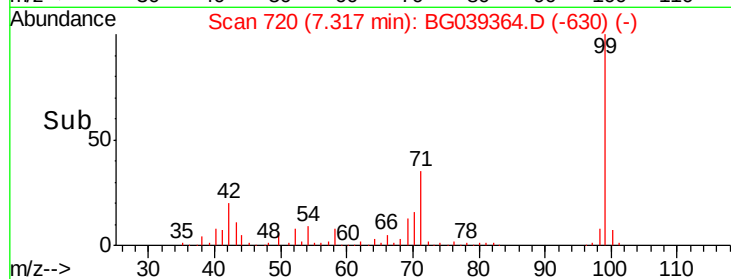
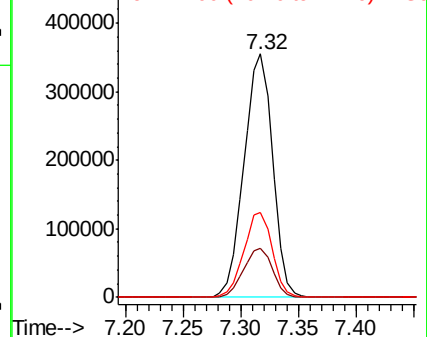
99 100

42 20.2 18.2 27.2

71 34.6 28.0 42.0



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: 15.532 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

Tgt Ion: 70 Resp: 45050

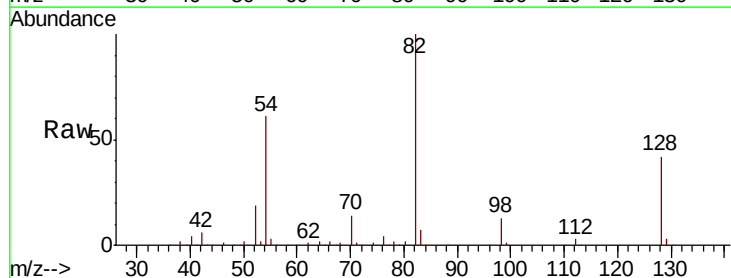
Ion Ratio Lower Upper

70 100

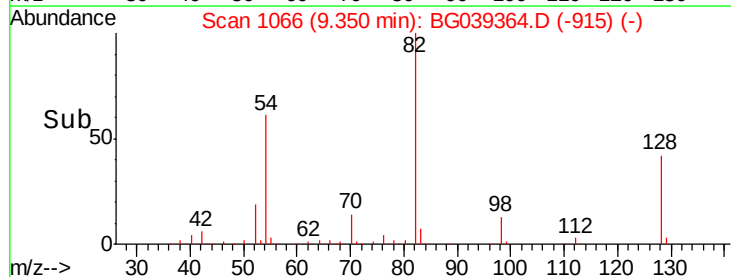
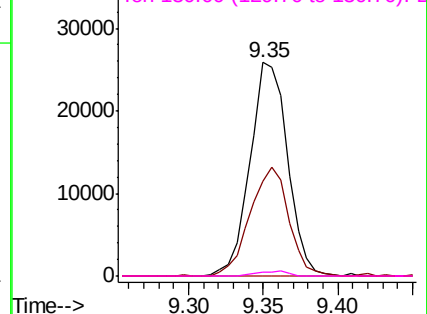
42 44.3 60.4 90.6#

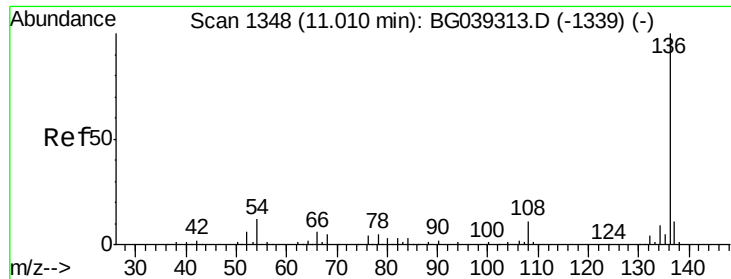
101 0.0 7.5 11.3#

130 2.0 16.9 25.3#



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

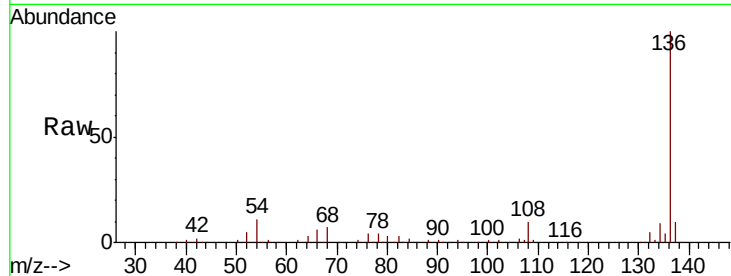




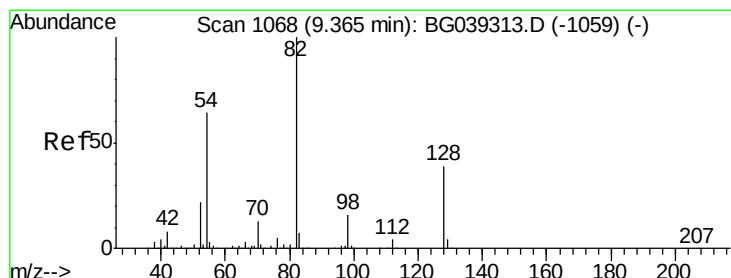
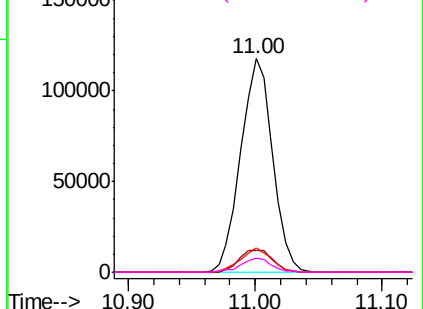
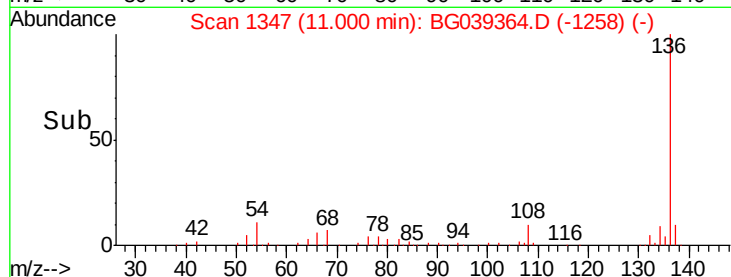
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039364.D
Acq: 5 Feb 2019 21:24

Instrument :
BNA_G
ClientSampleId :
PB116850TB

Tgt Ion:	136	Resp:	205306
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	11.1	9.4	14.2
68	6.9	4.2	6.4#

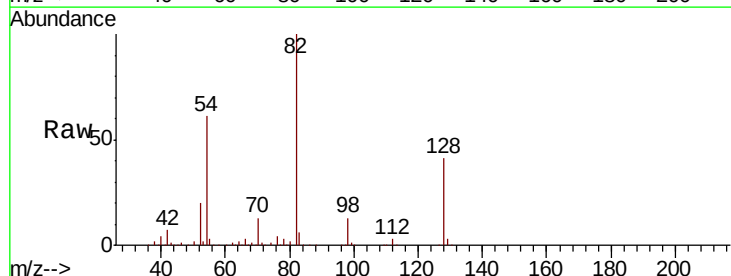


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

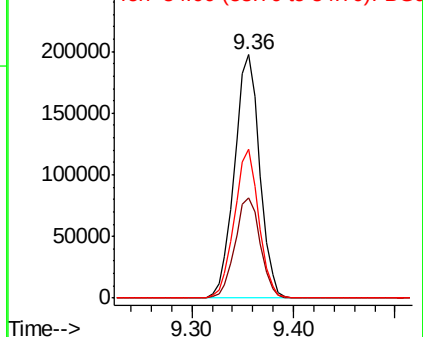
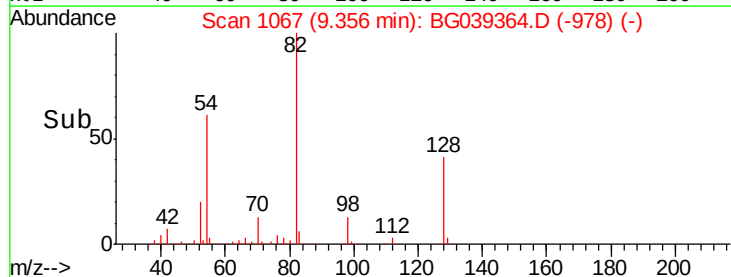


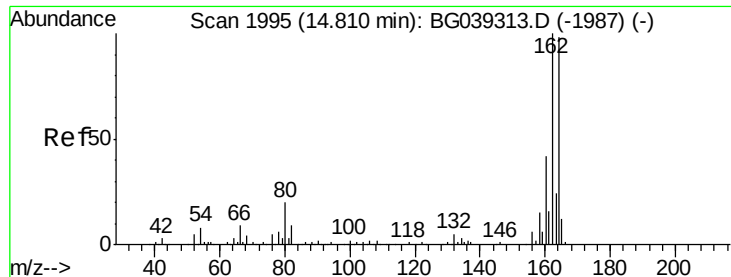
#23
Nitrobenzene-d5
Concen: 103.693 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039364.D
Acq: 5 Feb 2019 21:24

Tgt Ion:	82	Resp:	340775
Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.3	46.9
54	61.2	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: 14.80 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

Instrument :

BNA_G

ClientSampleId :

PB116850TB

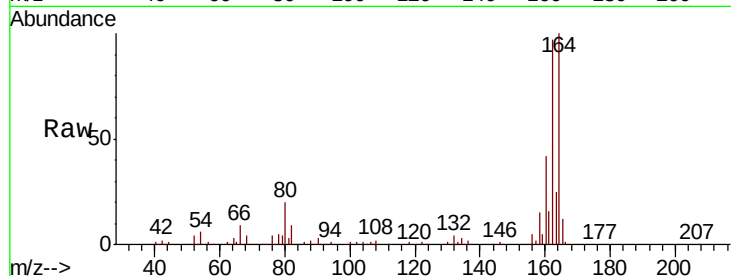
Tgt Ion:164 Resp: 129952

Ion Ratio Lower Upper

164 100

162 97.2 81.6 122.4

160 41.8 34.2 51.2

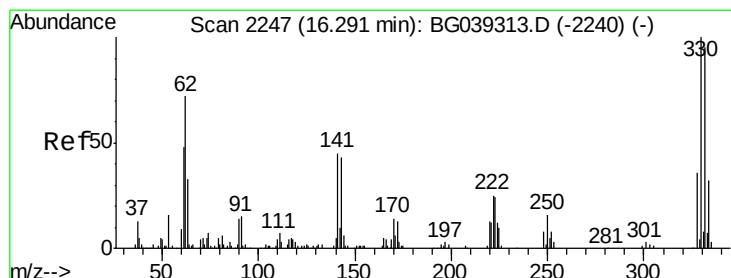
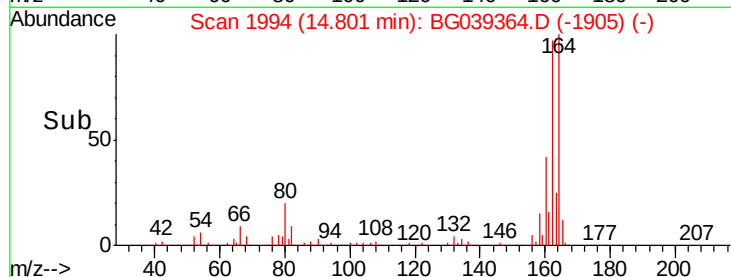
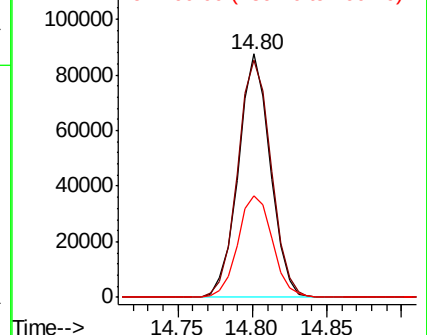


Abundance

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: 112.159 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

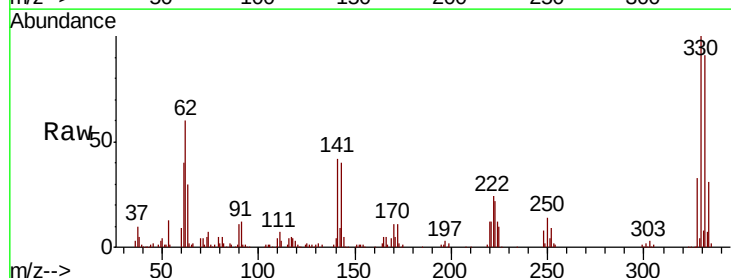
Tgt Ion:330 Resp: 156951

Ion Ratio Lower Upper

330 100

332 94.0 75.7 113.5

141 40.0 35.6 53.4

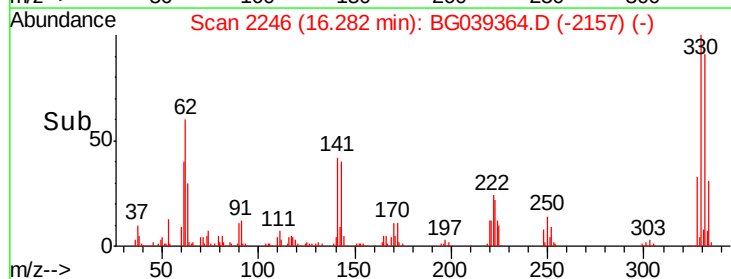
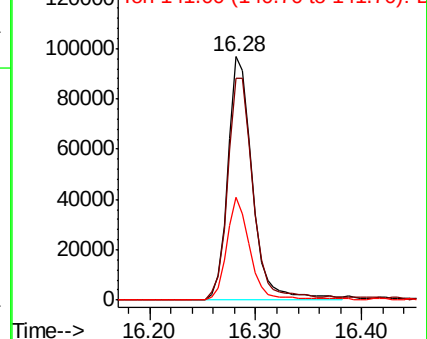


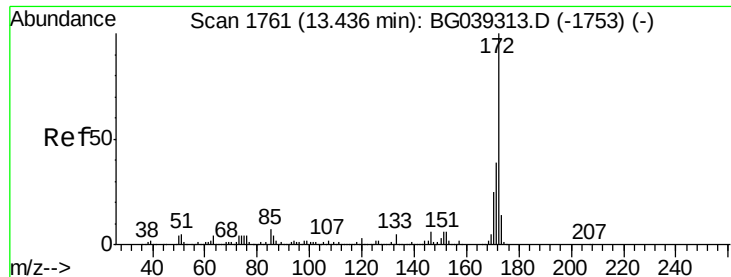
Abundance

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

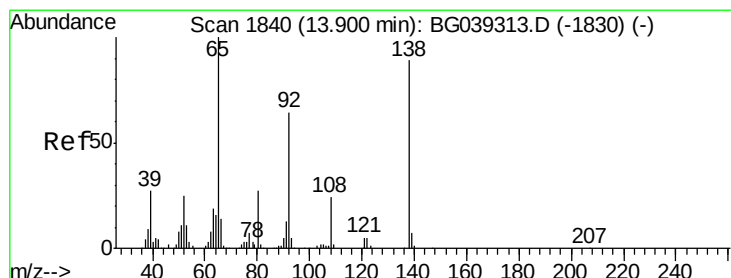
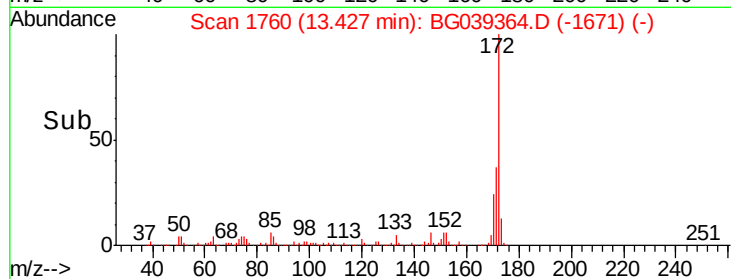
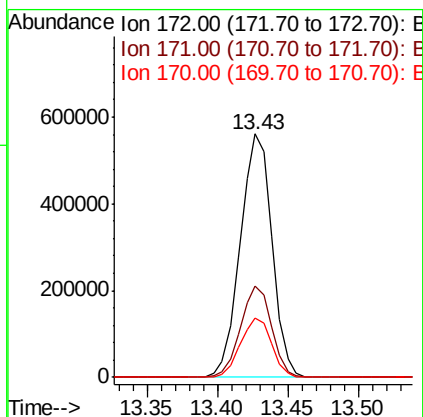
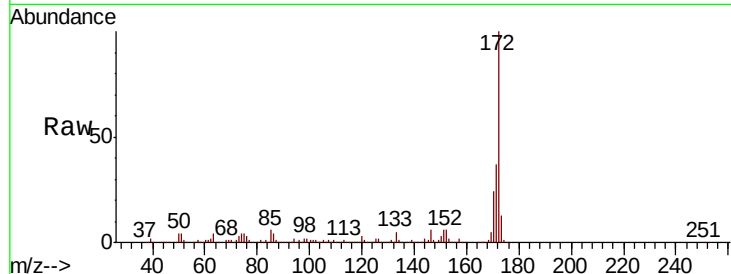




#45
 2-Fluorobiphenyl
 Concen: 97.125 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

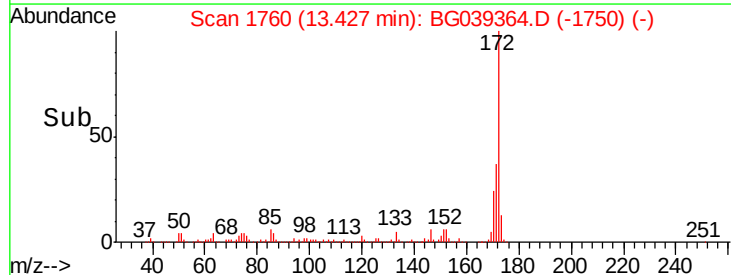
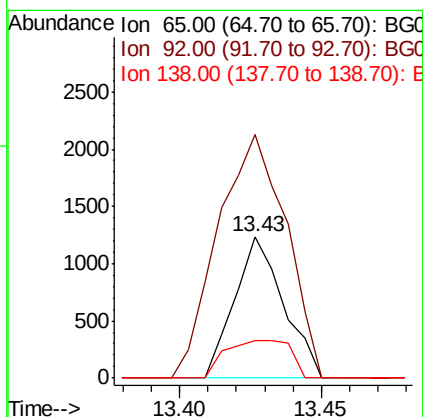
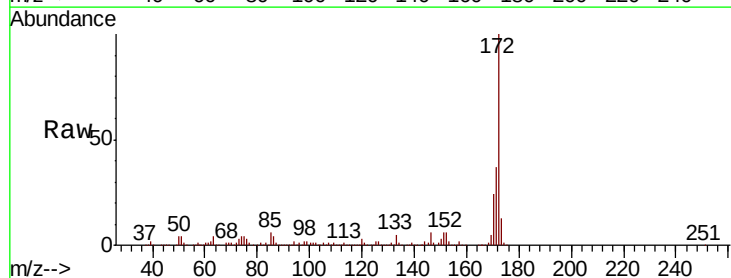
Instrument :
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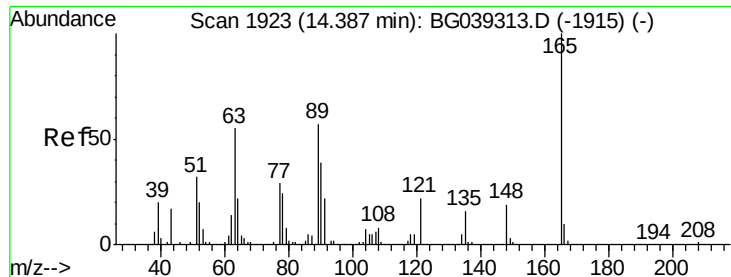
Tgt Ion: 172 Resp: 879831
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 24.2 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.822 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.47 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

Tgt Ion: 65 Resp: 1485
 Ion Ratio Lower Upper
 65 100
 92 172.0 51.4 77.2#
 138 26.8 71.4 107.2#

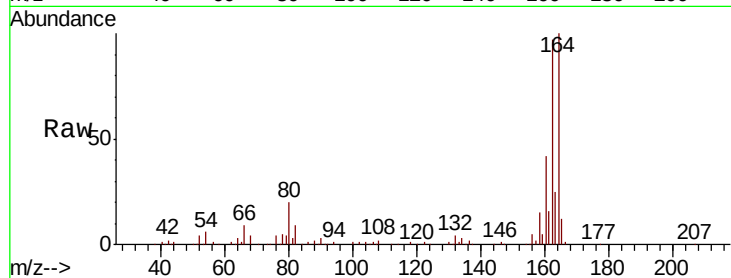




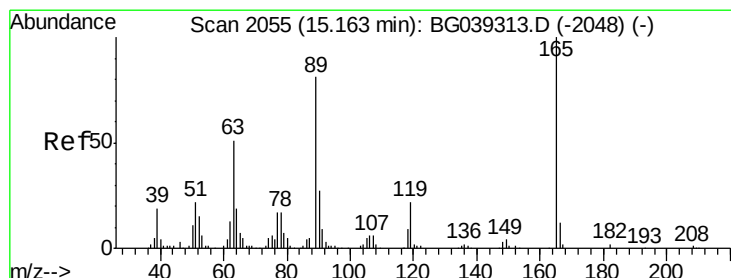
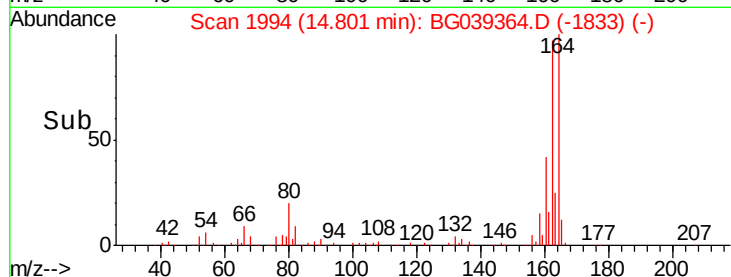
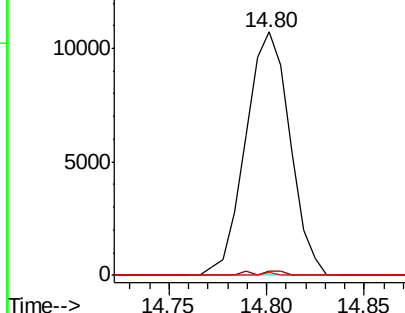
#51
 2,6-Dinitrotoluene
 Concen: 13.973 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. 0.41 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :
 PB116850TB

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	47.0	70.6#
89	1.4	45.8	68.8#



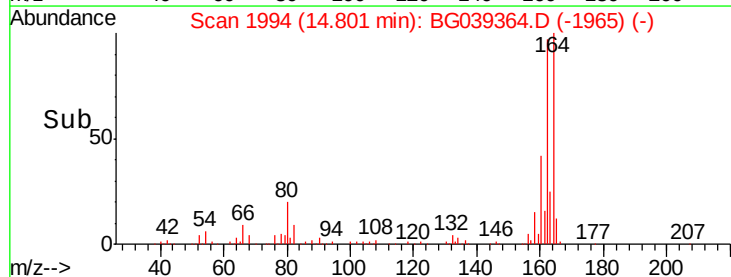
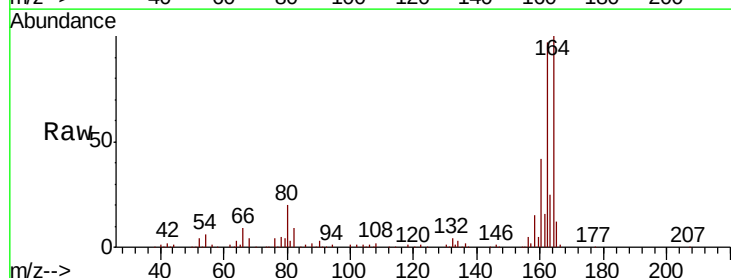
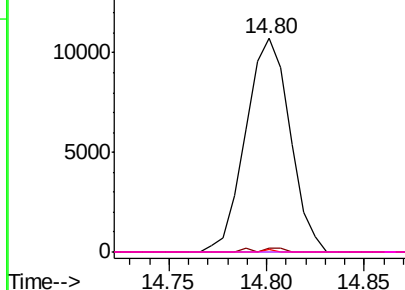
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

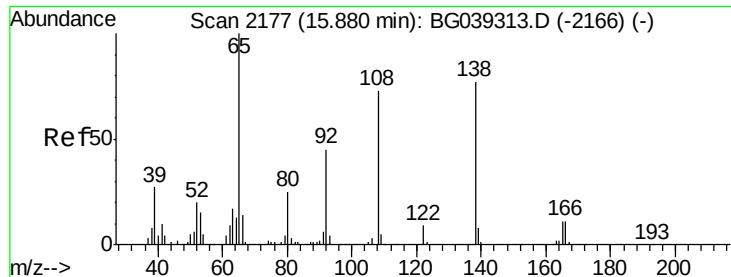


#57
 2,4-Dinitrotoluene
 Concen: 13.436 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.36 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.0	61.6#
89	1.4	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: 4.227 ng

RT: 15.44 min Scan# 2102

Delta R.T. -0.44 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

Instrument :

BNA_G

ClientSampleId :

PB116850TB

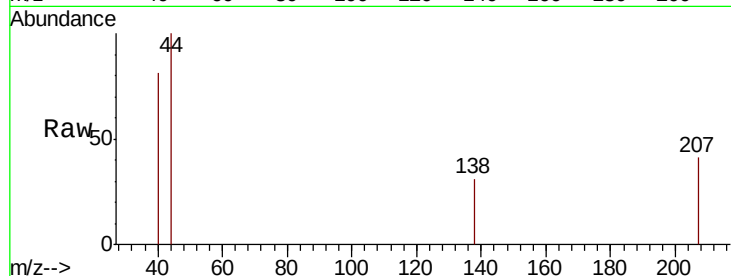
Tgt Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

108 0.0 74.6 114.6#

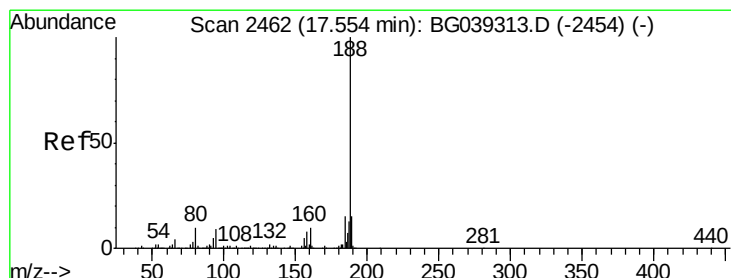
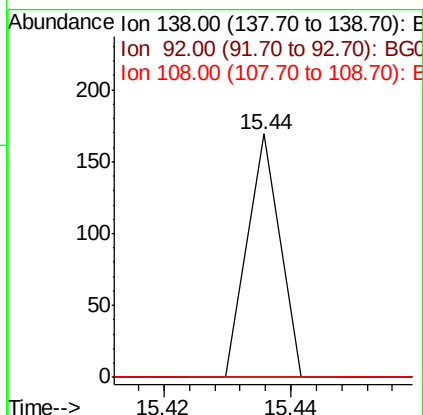
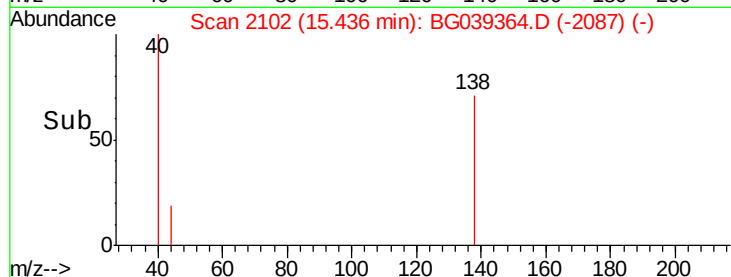


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

15.44



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

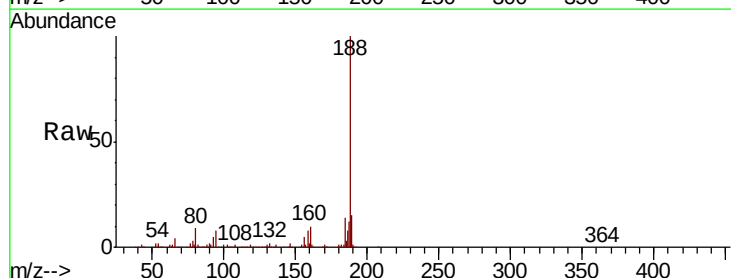
Tgt Ion:188 Resp: 311744

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

80 9.2 8.1 12.1

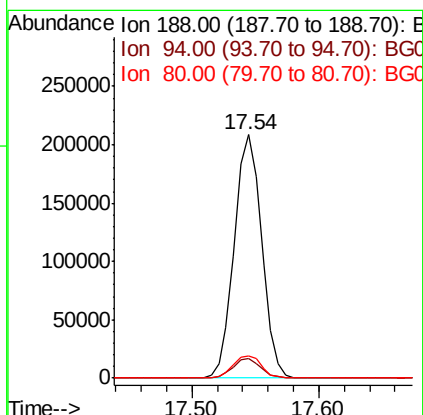
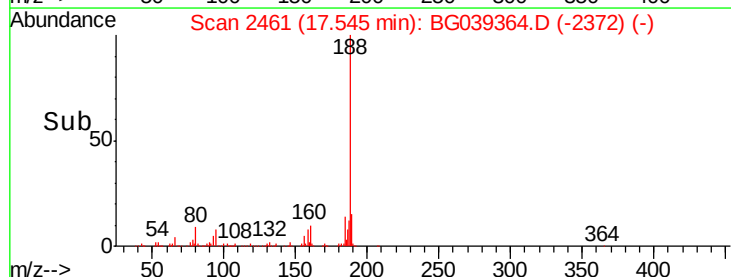


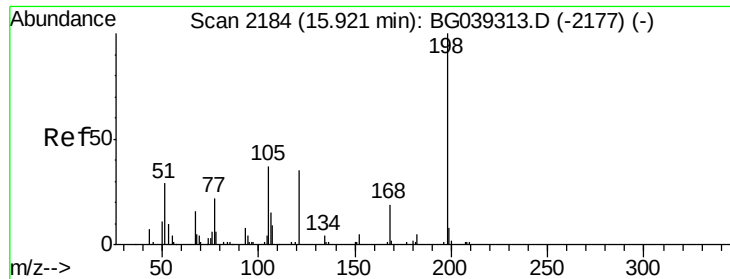
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.54

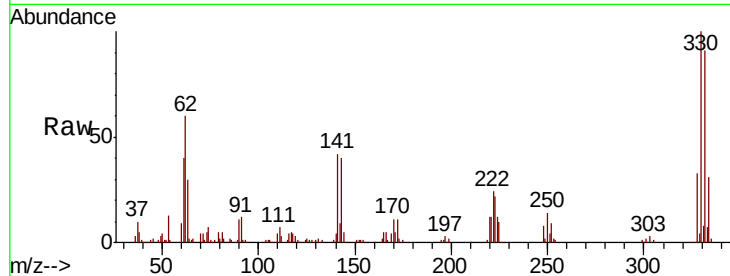




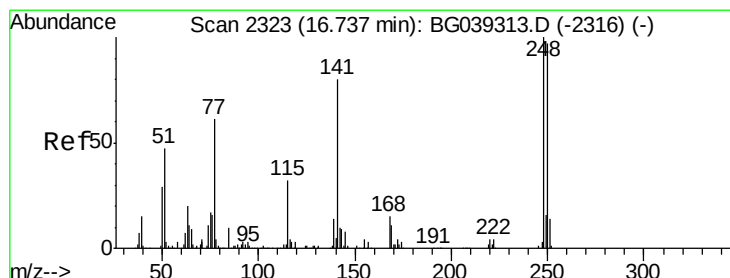
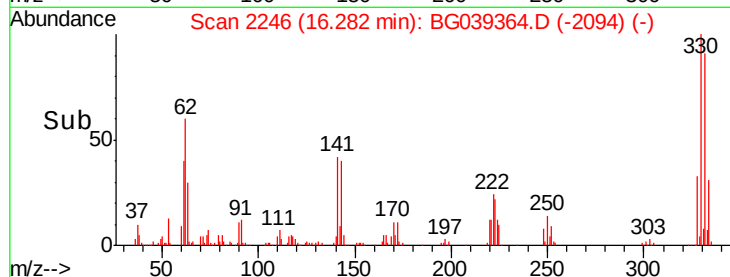
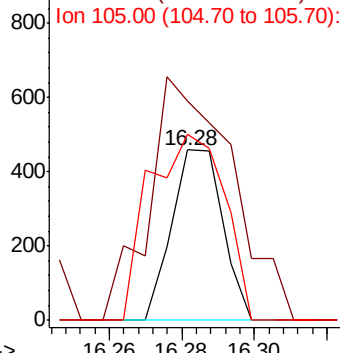
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.632 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :
 PB116850TB

Tgt Ion:198 Resp: 445
 Ion Ratio Lower Upper
 198 100
 51 129.3 27.4 67.4#
 105 109.4 19.7 59.7#

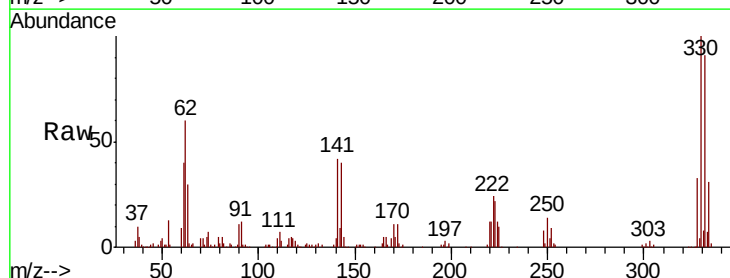


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

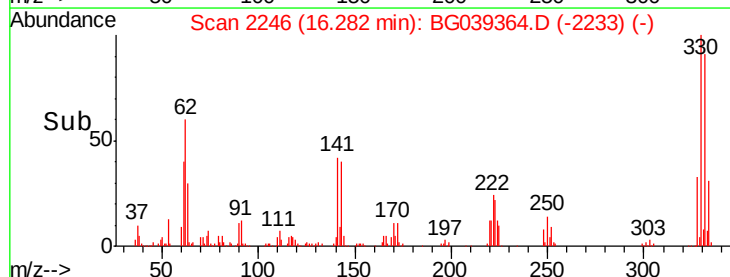
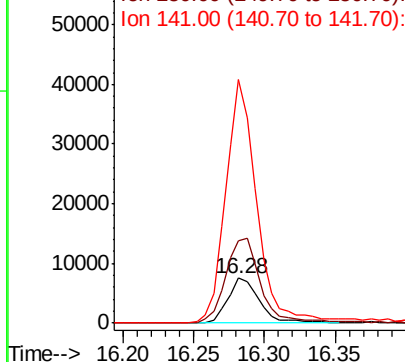


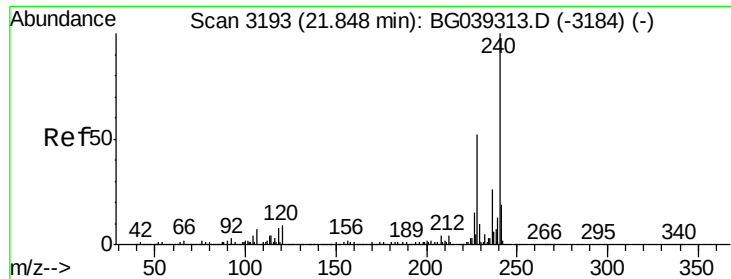
#67
 4-Bromophenyl-phenylether
 Concen: 3.384 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

Tgt Ion:248 Resp: 11704
 Ion Ratio Lower Upper
 248 100
 250 183.0 77.6 116.4#
 141 541.8 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

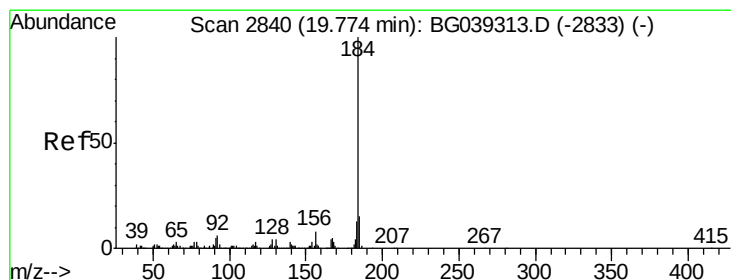
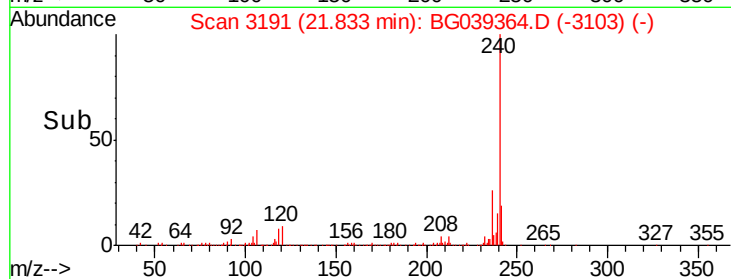
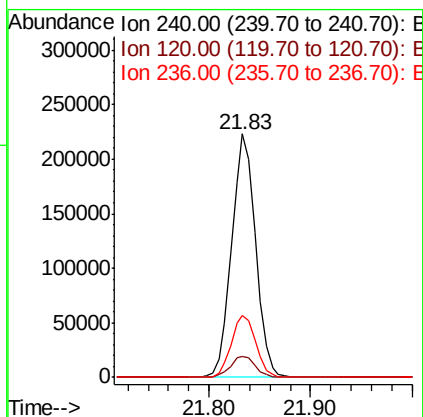
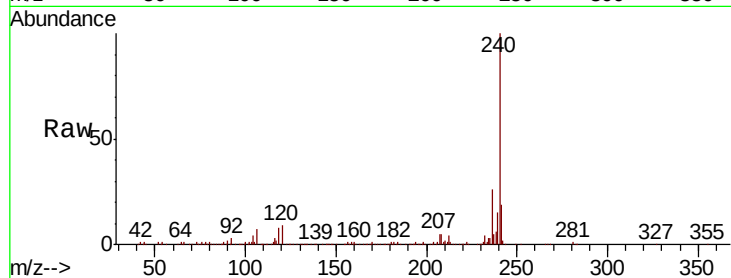




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.02 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

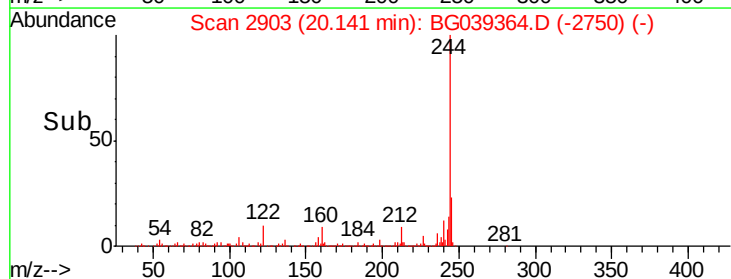
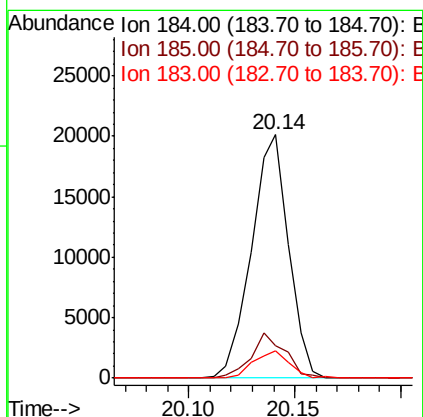
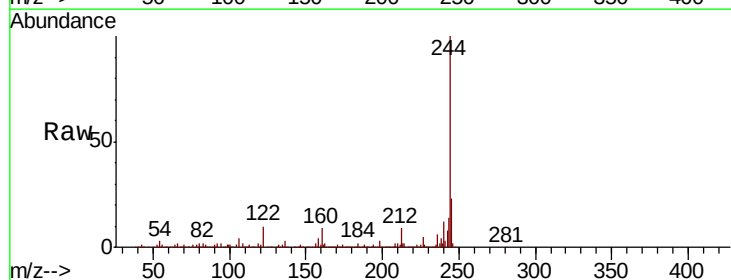
Instrument :
 BNA_G
 ClientSampleId :
 PB116850TB

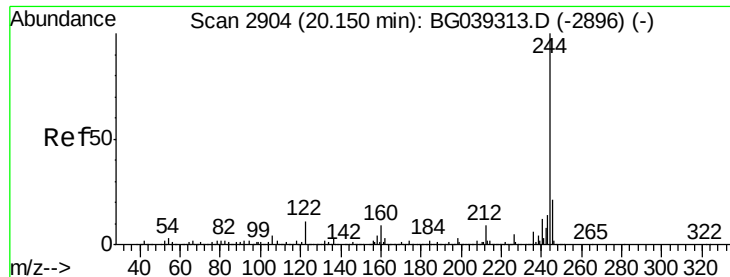
Tgt Ion: 240 Resp: 364406
 Ion Ratio Lower Upper
 240 100
 120 8.8 7.0 10.6
 236 25.6 21.0 31.4



#77
 Benzidine
 Concen: 2.060 ng
 RT: 20.14 min Scan# 2903
 Delta R.T. 0.37 min
 Lab File: BG039364.D
 Acq: 5 Feb 2019 21:24

Tgt Ion: 184 Resp: 24611
 Ion Ratio Lower Upper
 184 100
 185 13.3 12.2 18.2
 183 11.2 10.6 15.8





#79

Terphenyl-d14

Concen: 84.077 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

Instrument :

BNA_G

ClientSampleId :

PB116850TB

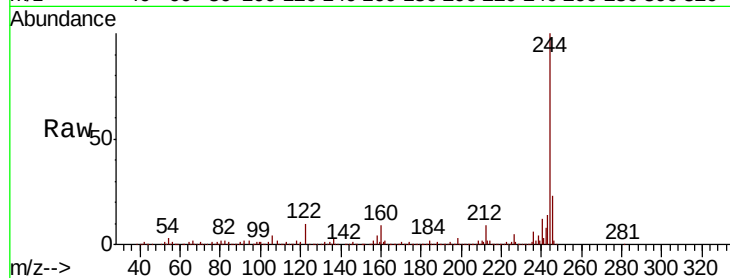
Tgt Ion:244 Resp: 1447466

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

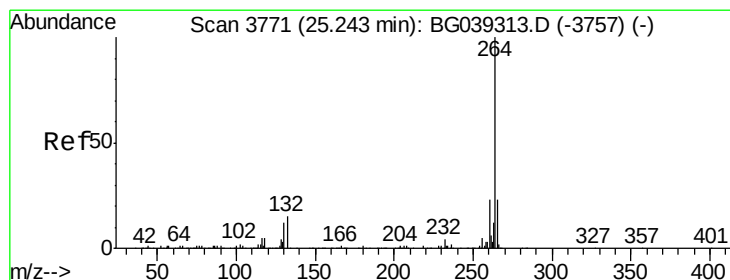
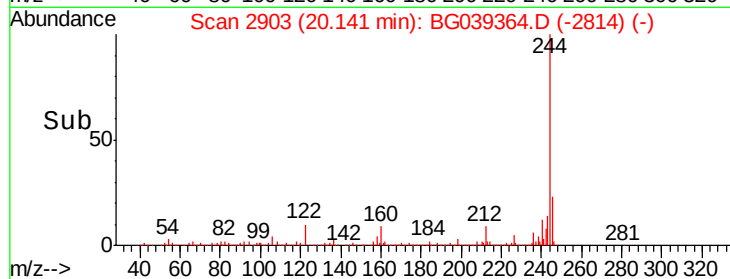
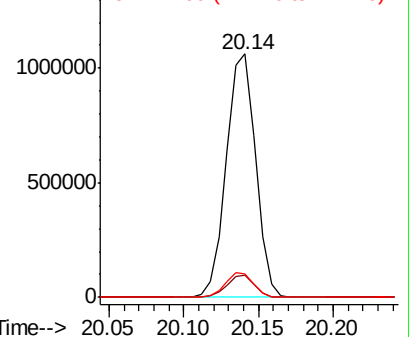
122 9.6 8.4 12.6



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: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039364.D

Acq: 5 Feb 2019 21:24

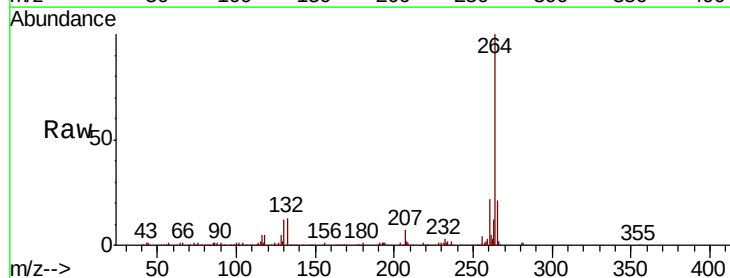
Tgt Ion:264 Resp: 361520

Ion Ratio Lower Upper

264 100

260 21.7 18.2 27.4

265 21.2 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

