

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039514.D
 Acq On : 14 Feb 2019 19:58
 Operator : JU/SJ
 Sample : K1349-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-021319-B

Quant Time: Feb 15 03:12:04 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	47059	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	216470	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	159205	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	386579	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	407170	20.00	ng	-0.02
87) Perylene-d12	25.21	264	401998	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	432239	157.20	ng	0.00
7) Phenol-d6	7.32	99	610782	150.91	ng	0.00
23) Nitrobenzene-d5	9.35	82	415143	119.81	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	268926	156.87	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1046271	94.28	ng	-0.02
79) Terphenyl-d14	20.13	244	1708957	88.84	ng	-0.02

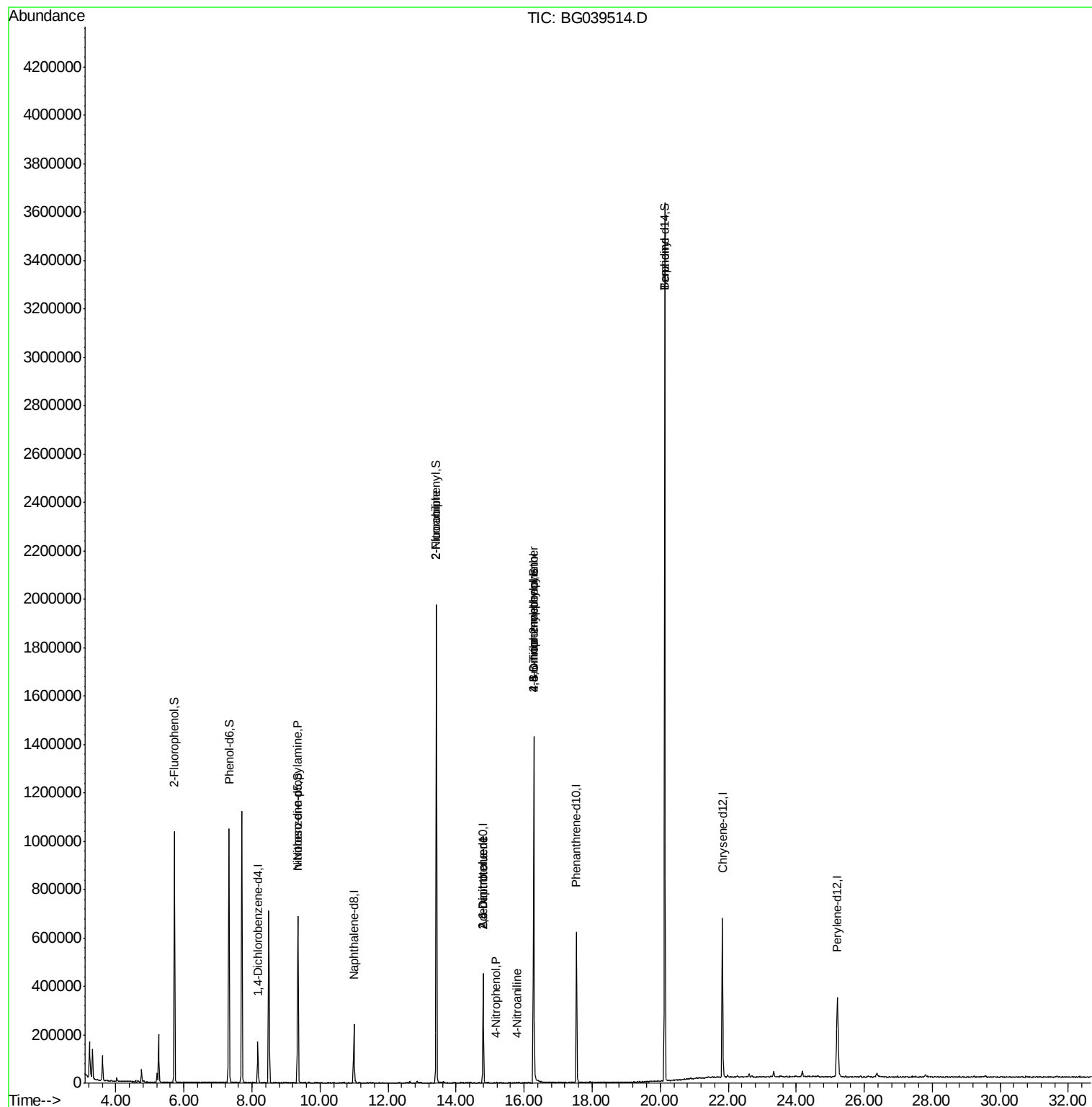
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1020	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	52987	18.446	ng	# 69
48) 2-Nitroaniline	13.43	65	1747	8.801	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	20196	13.815	ng	# 23
56) 4-Nitrophenol	15.19	139	560	6.017	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	20196	13.317	ng	# 18
62) 4-Nitroaniline	15.79	138	55	4.221	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	854	4.883	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	21370	4.983	ng	# 1
77) Benzidine	20.14	184	31368	2.350	ng	# 94

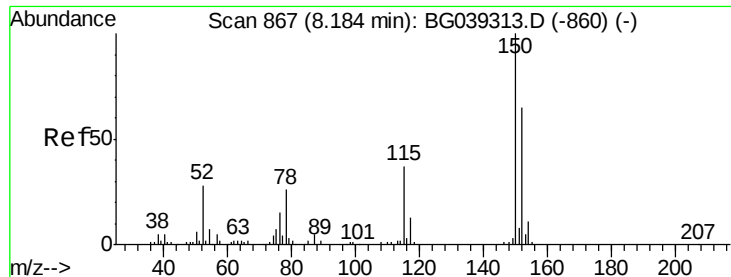
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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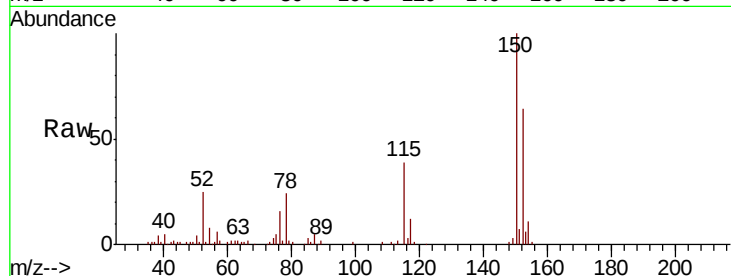


#1

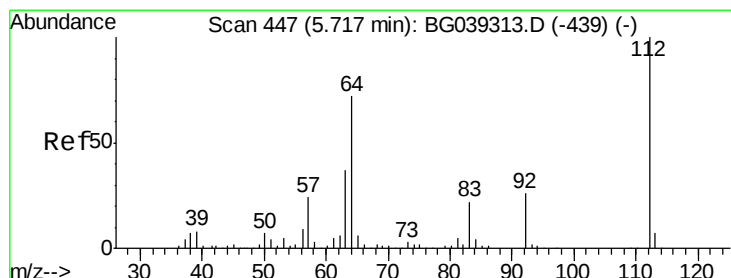
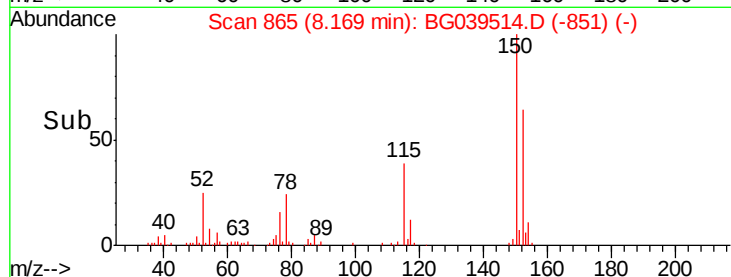
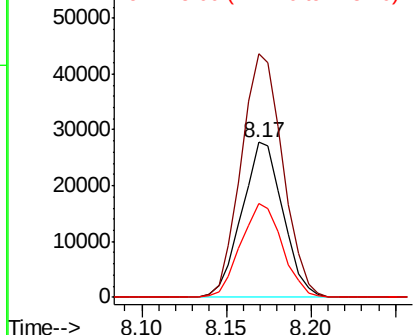
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: BG039514.D
 Acq: 14 Feb 2019 19:58

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-021319-B

Tgt Ion:152 Resp: 47059
 Ion Ratio Lower Upper
 152 100
 150 156.9 123.7 185.5
 115 60.8 45.9 68.9



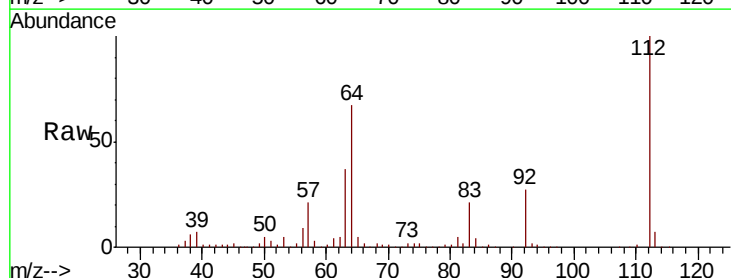
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



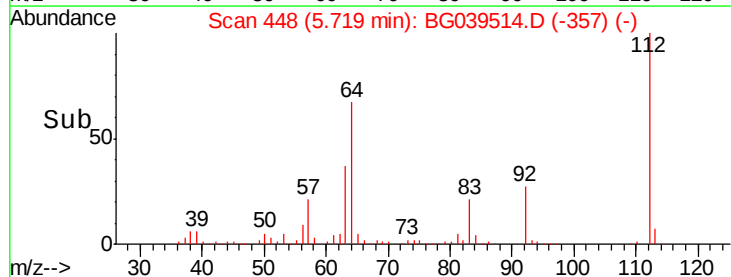
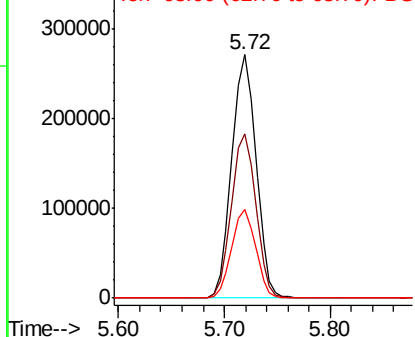
#5

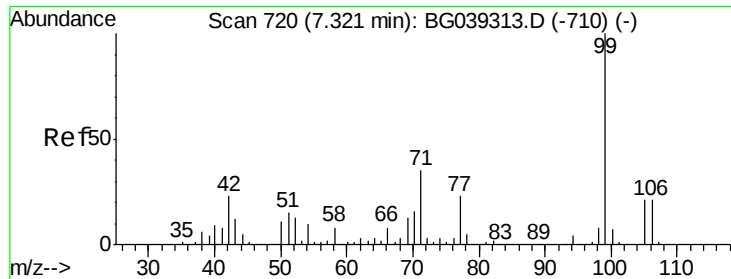
2-Fluorophenol
 Concen: 157.203 ng
 RT: 5.72 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: BG039514.D
 Acq: 14 Feb 2019 19:58

Tgt Ion:112 Resp: 432239
 Ion Ratio Lower Upper
 112 100
 64 67.3 57.8 86.8
 63 36.6 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: 150.912 ng

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-B

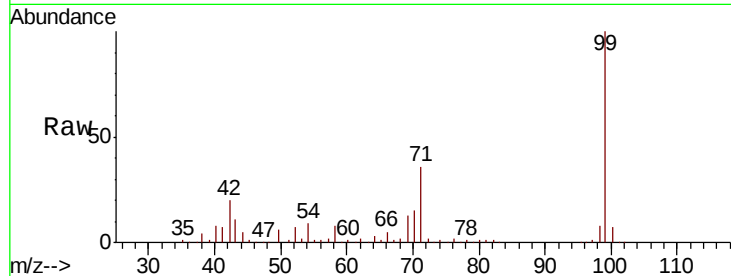
Tgt Ion: 99 Resp: 610782

Ion Ratio Lower Upper

99 100

42 20.2 18.2 27.2

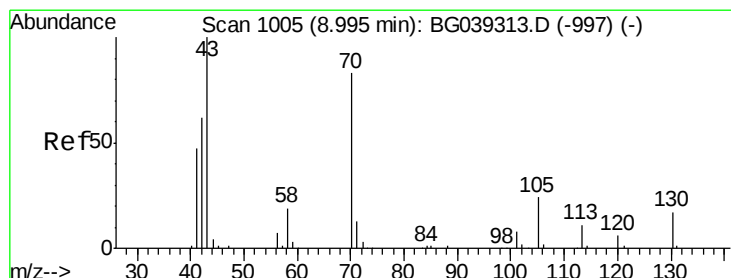
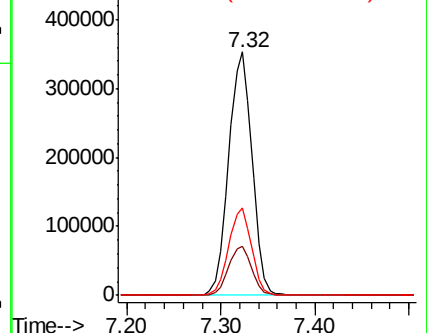
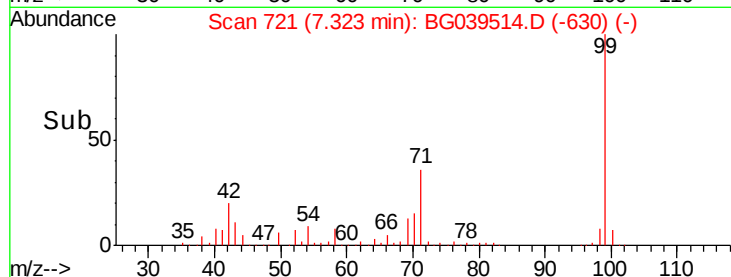
71 35.7 28.0 42.0



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: 18.446 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

Tgt Ion: 70 Resp: 52987

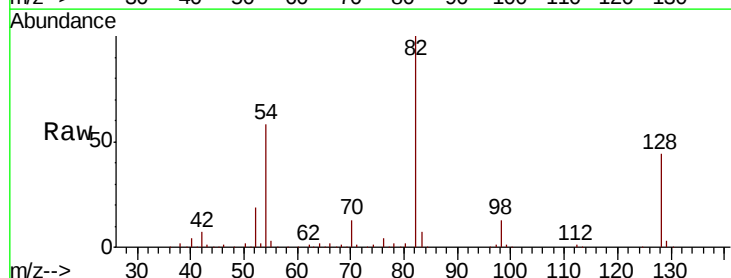
Ion Ratio Lower Upper

70 100

42 50.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.5 16.9 25.3#

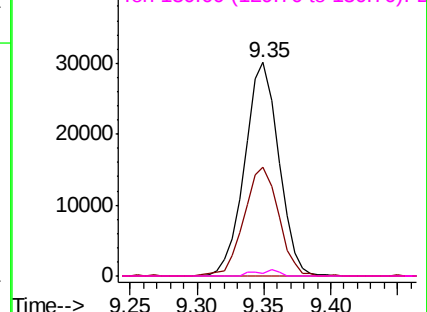
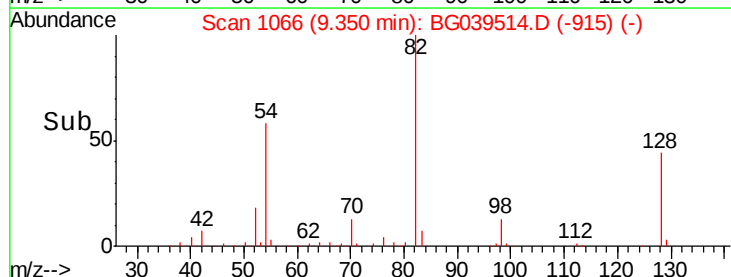


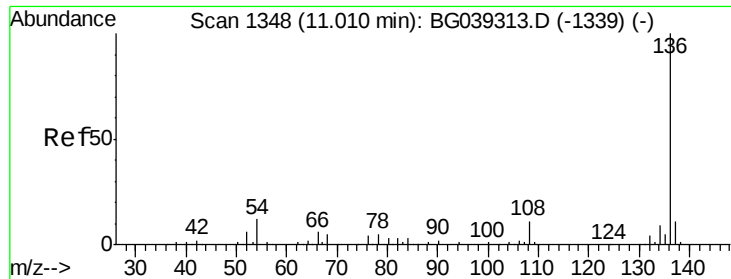
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

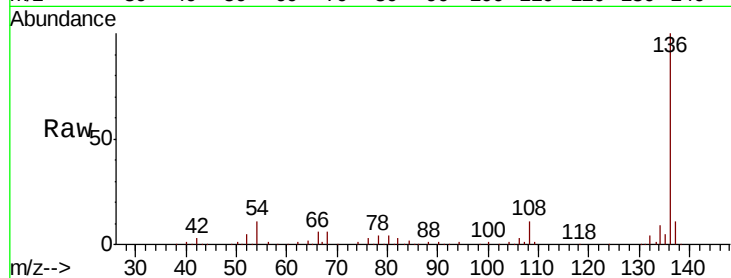




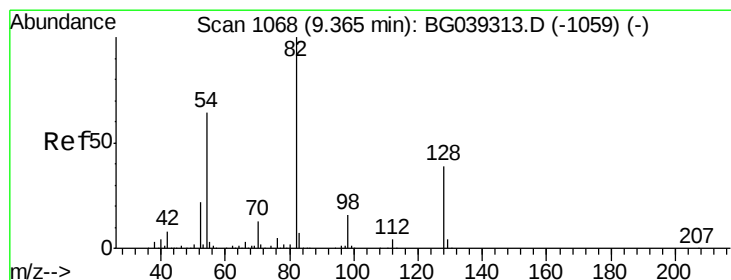
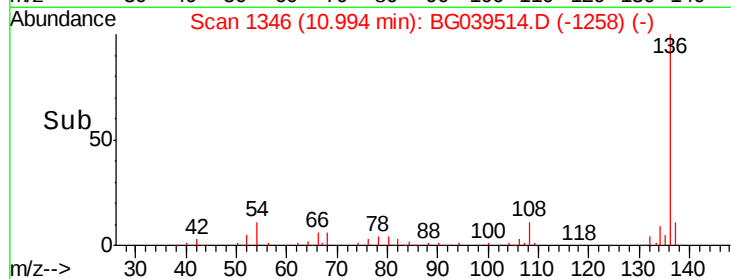
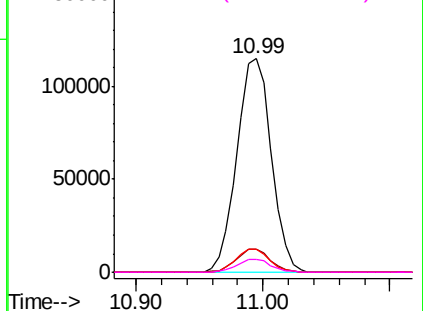
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039514.D
Acq: 14 Feb 2019 19:58

Instrument :
BNA_G
ClientSampleId :
OR-01-021319-B

Tgt Ion:	136	Resp:	216470
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	10.6	9.4	14.2
68	6.0	4.2	6.4

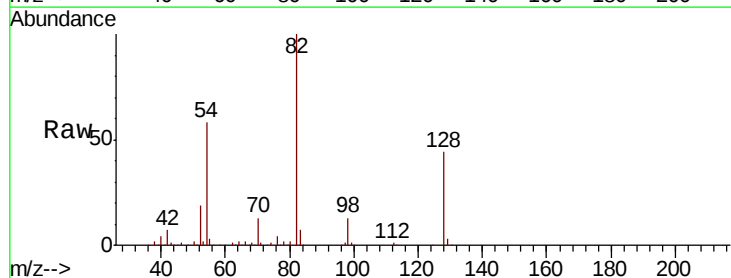


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

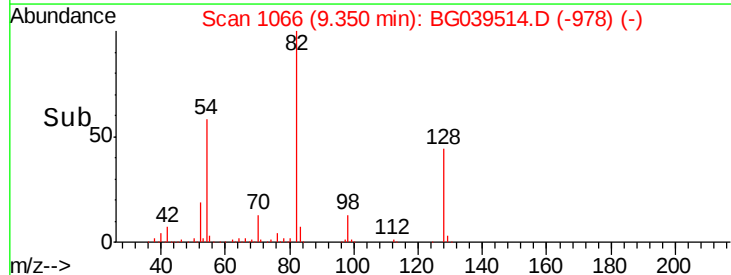
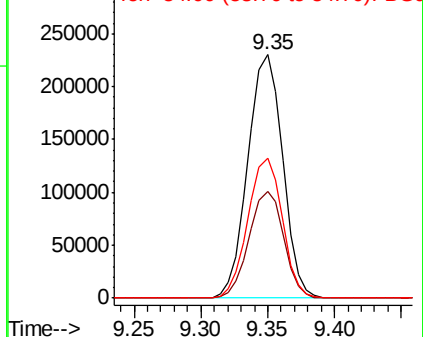


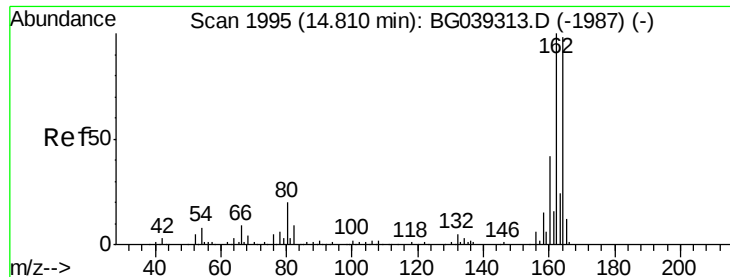
#23
Nitrobenzene-d5
Concen: 119.807 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039514.D
Acq: 14 Feb 2019 19:58

Tgt Ion:	82	Resp:	415143
Ion	Ratio	Lower	Upper
82	100		
128	43.9	31.3	46.9
54	57.7	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: 14.80 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-B

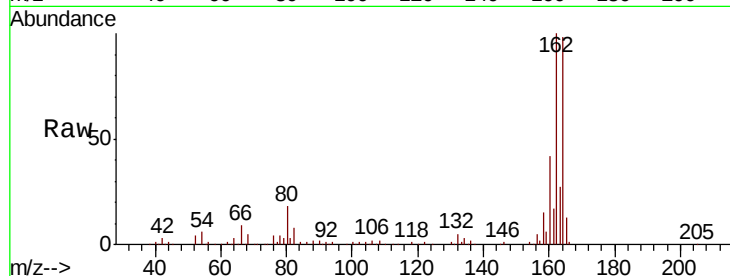
Tgt Ion:164 Resp: 159205

Ion Ratio Lower Upper

164 100

162 101.8 81.6 122.4

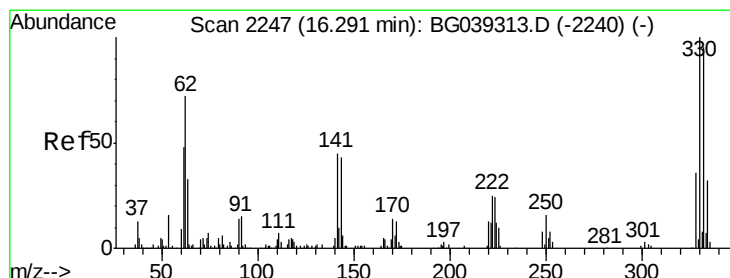
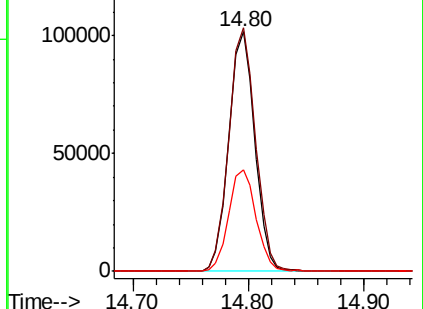
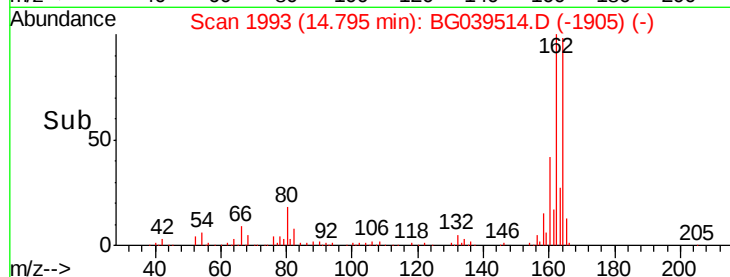
160 42.3 34.2 51.2



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: 156.866 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

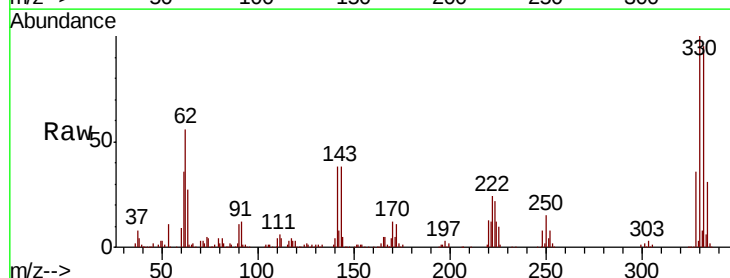
Tgt Ion:330 Resp: 268926

Ion Ratio Lower Upper

330 100

332 94.5 75.7 113.5

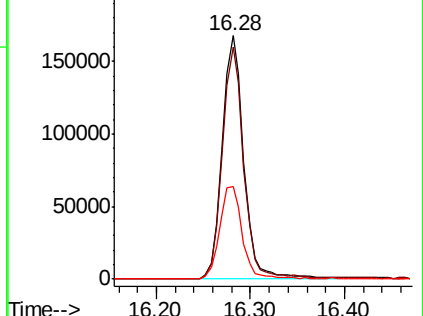
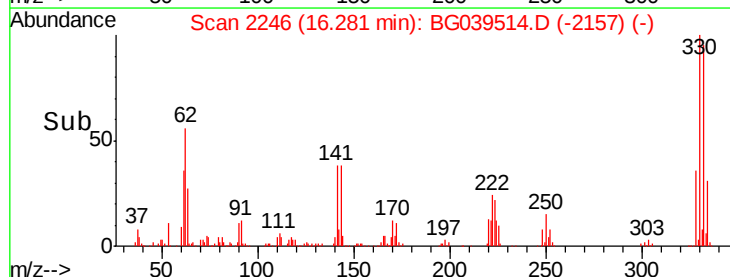
141 40.1 35.6 53.4

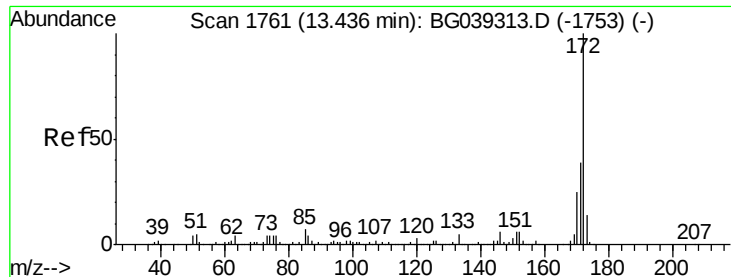


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 94.276 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-B

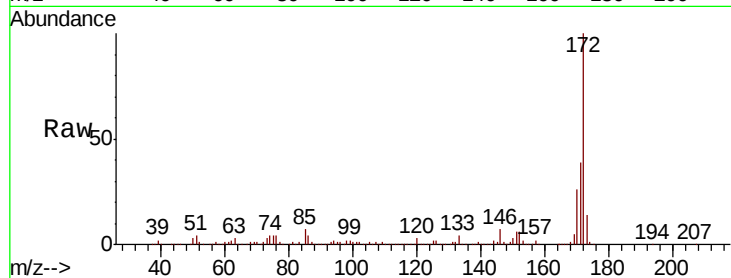
Tgt Ion:172 Resp: 1046271

Ion Ratio Lower Upper

172 100

171 38.9 30.8 46.2

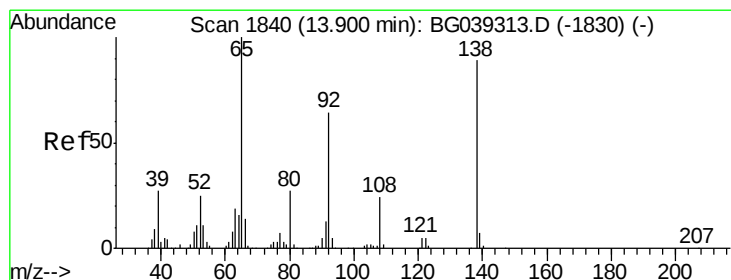
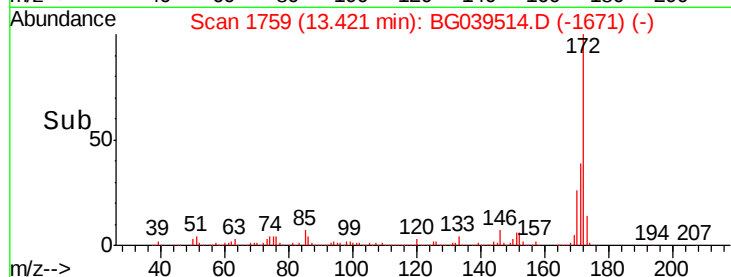
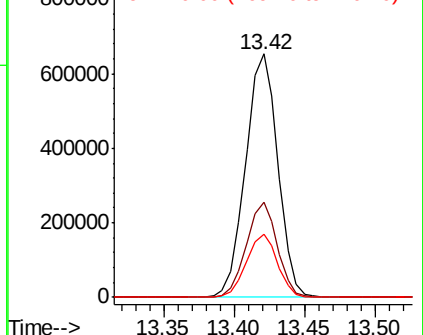
170 25.7 20.2 30.4



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



#48

2-Nitroaniline

Concen: 8.801 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.47 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

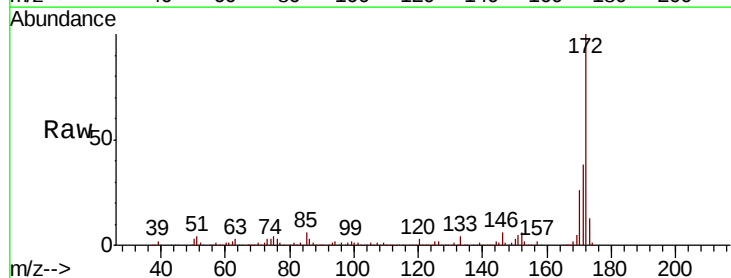
Tgt Ion: 65 Resp: 1747

Ion Ratio Lower Upper

65 100

92 206.1 51.4 77.2#

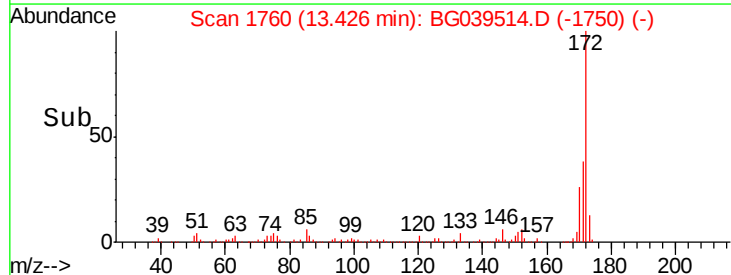
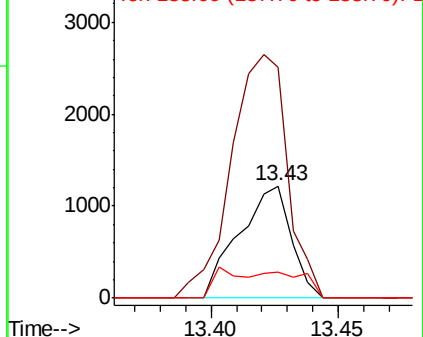
138 23.1 71.4 107.2#

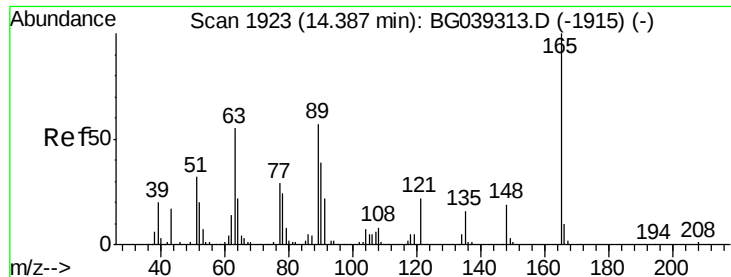


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

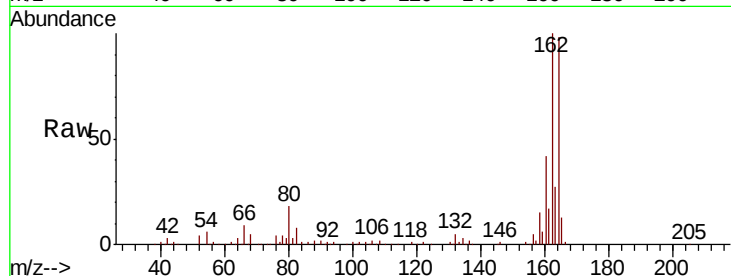




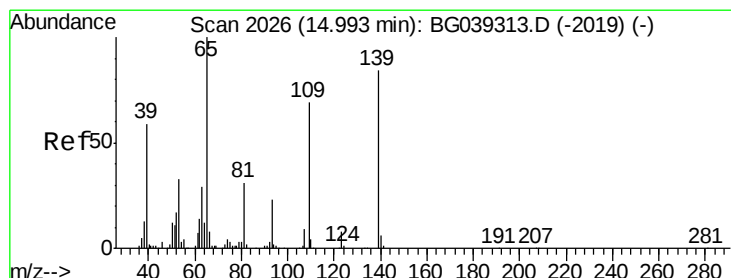
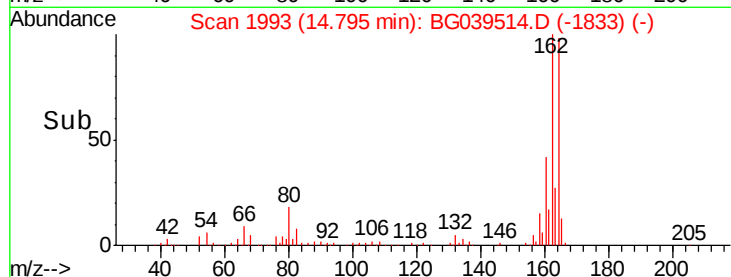
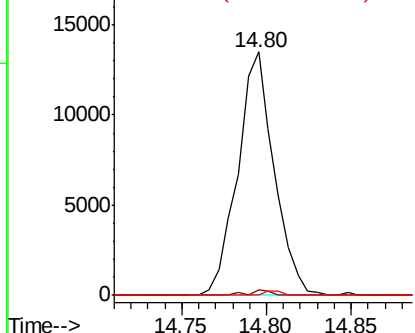
#51
 2,6-Dinitrotoluene
 Concen: 13.815 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039514.D
 Acq: 14 Feb 2019 19:58

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-021319-B

Tgt Ion:165 Resp: 20196
 Ion Ratio Lower Upper
 165 100
 63 2.3 47.0 70.6#
 89 0.0 45.8 68.8#

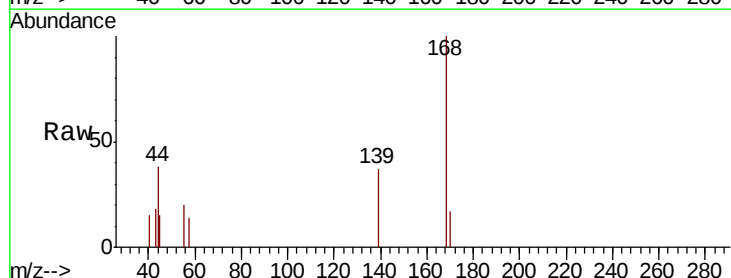


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

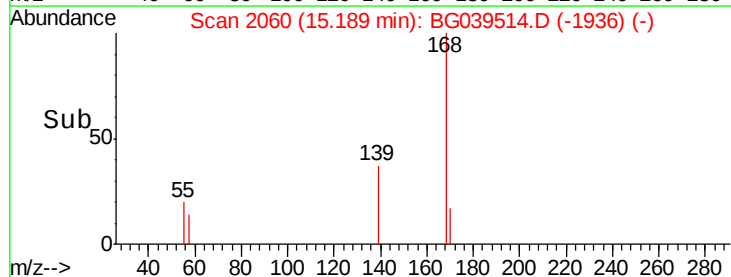
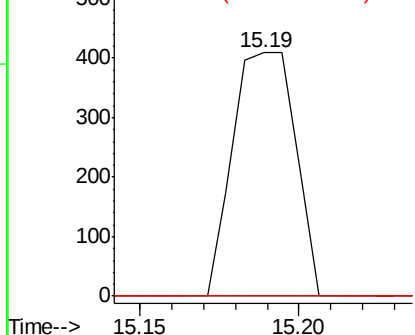


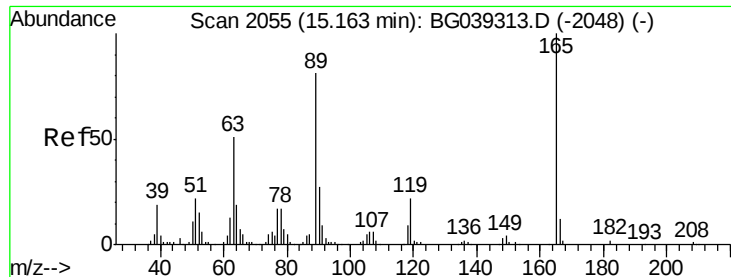
#56
 4-Nitrophenol
 Concen: 6.017 ng
 RT: 15.19 min Scan# 2060
 Delta R.T. 0.20 min
 Lab File: BG039514.D
 Acq: 14 Feb 2019 19:58

Tgt Ion:139 Resp: 560
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.317 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-B

Tgt Ion:165 Resp: 20196

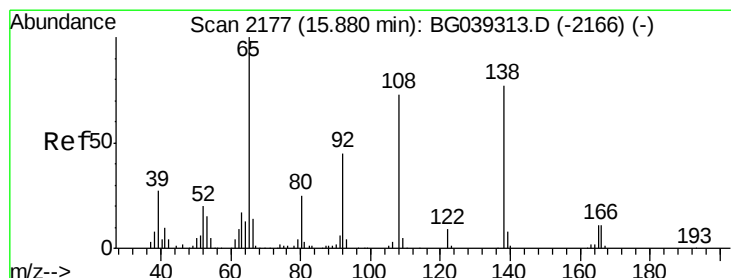
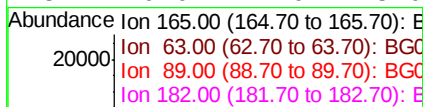
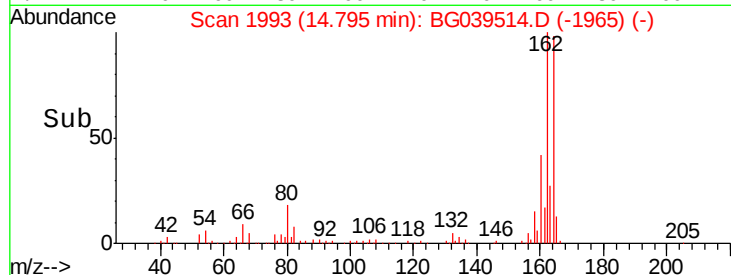
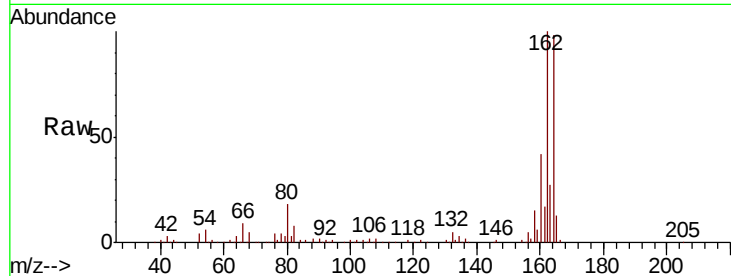
Ion Ratio Lower Upper

165 100

63 2.3 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 4.221 ng

RT: 15.79 min Scan# 2163

Delta R.T. -0.09 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

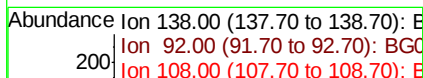
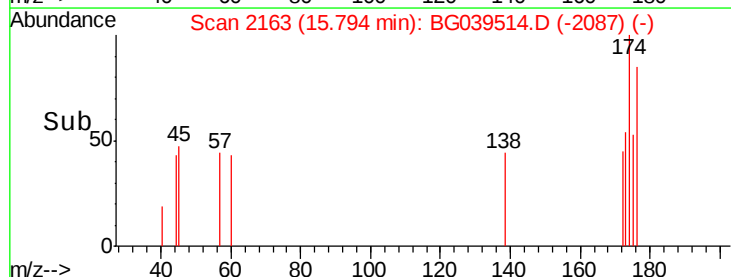
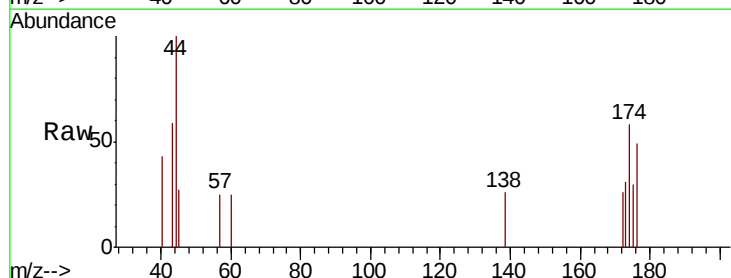
Tgt Ion:138 Resp: 55

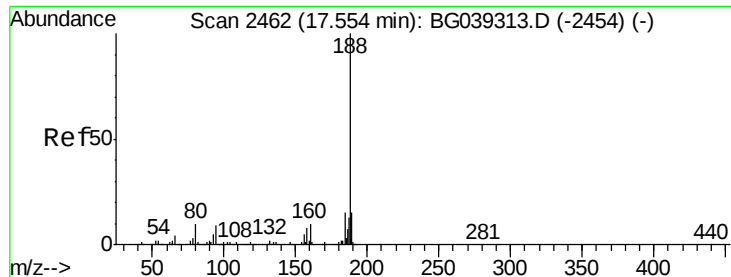
Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

108 0.0 74.6 114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-B

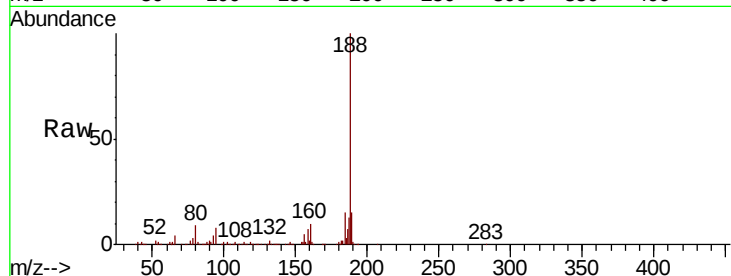
Tgt Ion:188 Resp: 386579

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

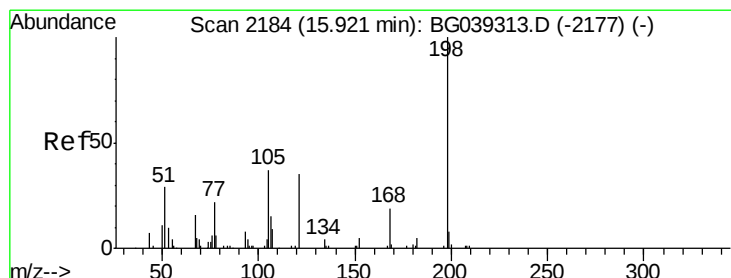
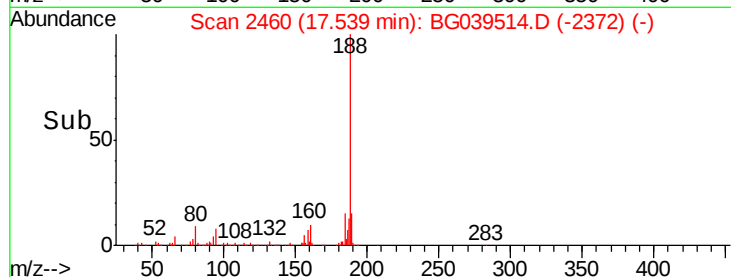
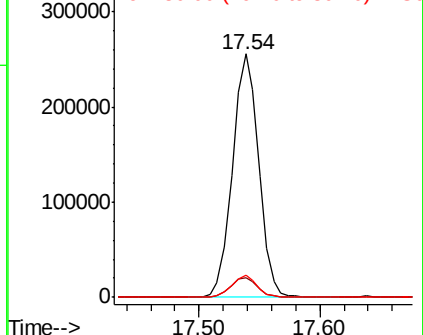
80 8.9 8.1 12.1



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: 4.883 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

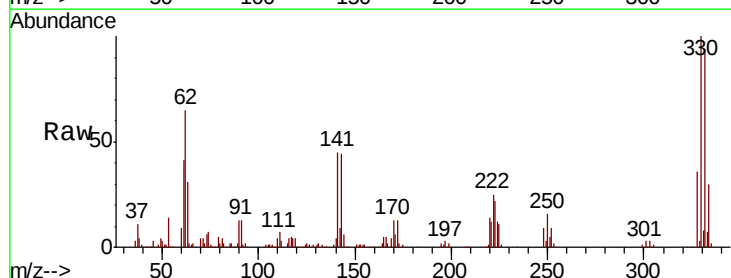
Tgt Ion:198 Resp: 854

Ion Ratio Lower Upper

198 100

51 116.1 27.4 67.4#

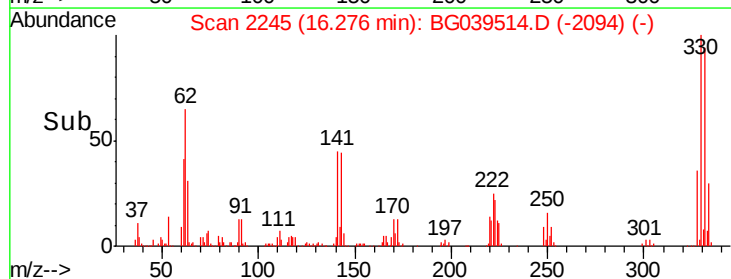
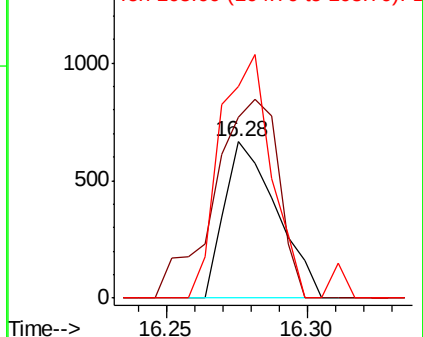
105 135.4 19.7 59.7#

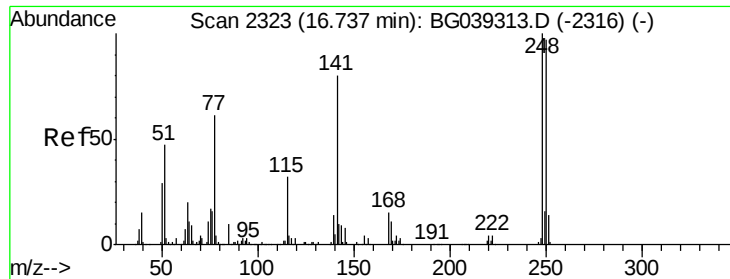


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

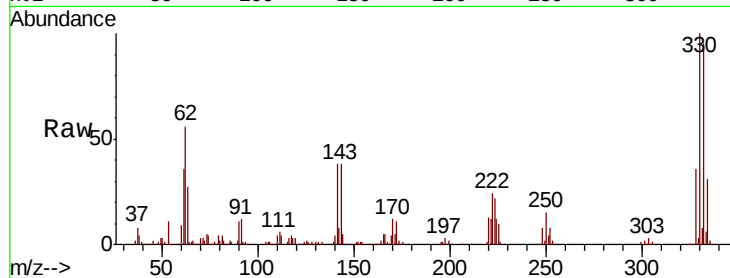




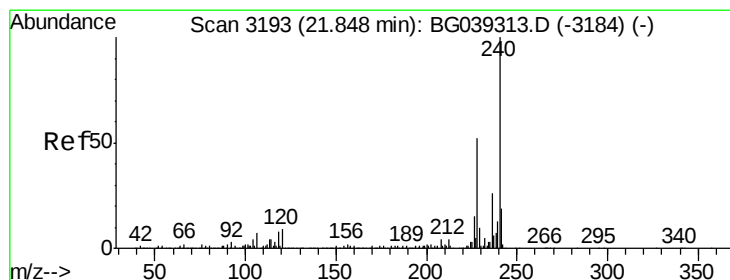
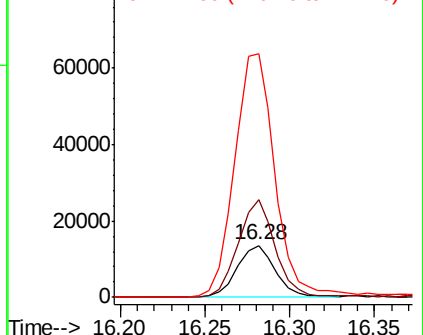
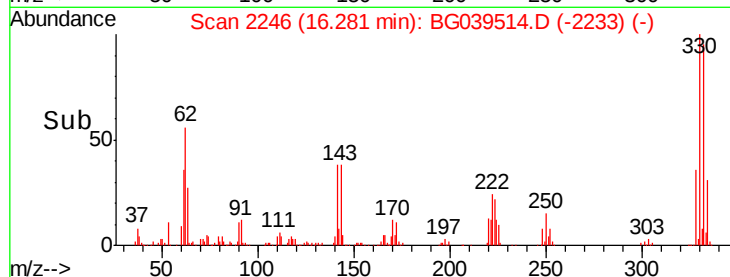
#67
 4-Bromophenyl-phenylether
 Concen: 4.983 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039514.D
 Acq: 14 Feb 2019 19:58

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-021319-B

Tgt Ion:248 Resp: 21370
 Ion Ratio Lower Upper
 248 100
 250 188.6 77.6 116.4#
 141 467.8 63.9 95.9#

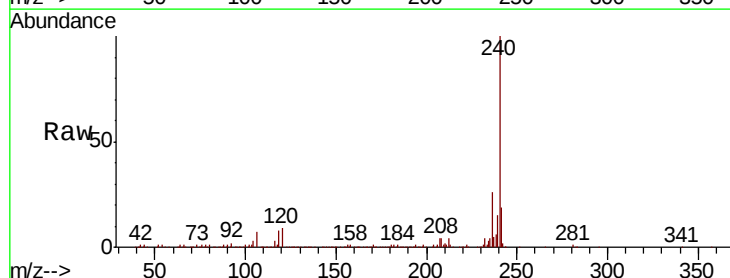


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

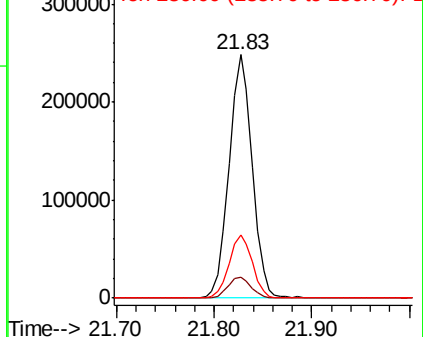
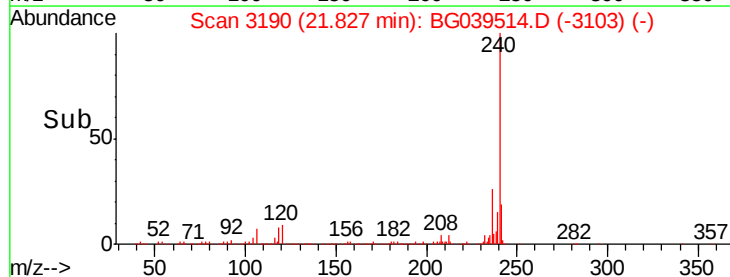


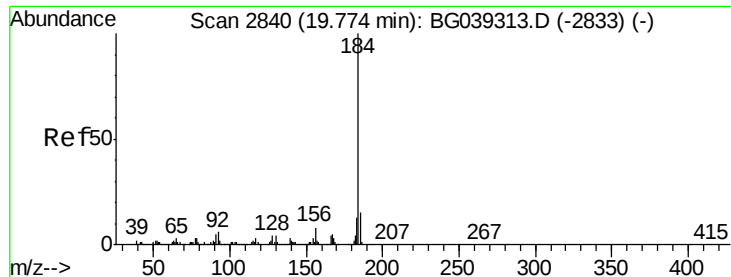
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039514.D
 Acq: 14 Feb 2019 19:58

Tgt Ion:240 Resp: 407170
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 25.9 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: 2.350 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-B

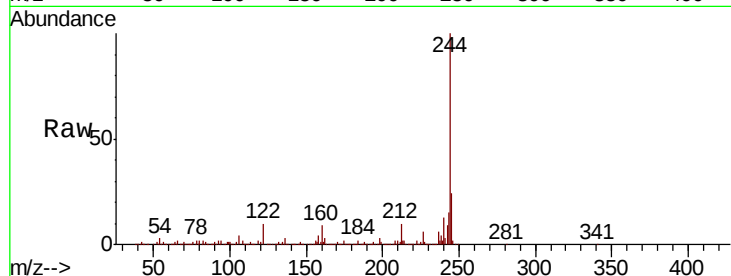
Tgt Ion:184 Resp: 31368

Ion Ratio Lower Upper

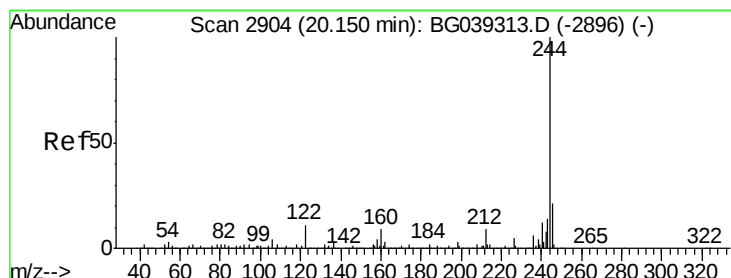
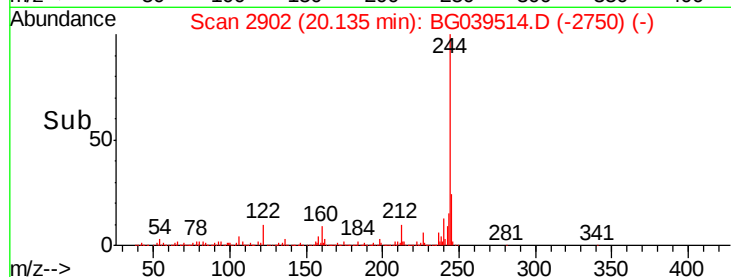
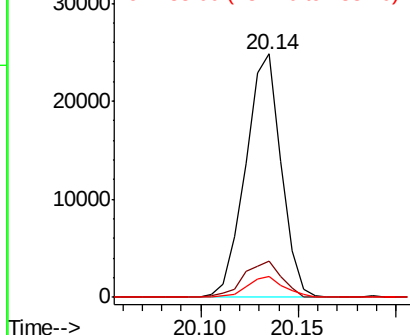
184 100

185 15.1 12.2 18.2

183 8.5 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: 88.841 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039514.D

Acq: 14 Feb 2019 19:58

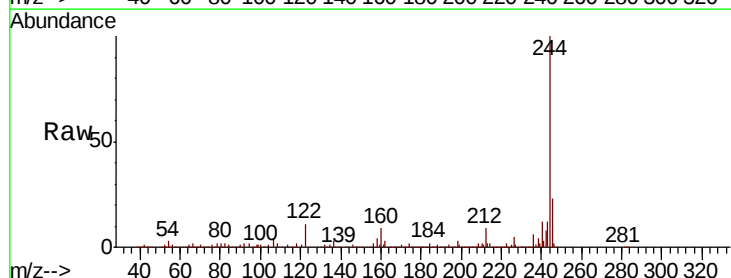
Tgt Ion:244 Resp: 1708957

Ion Ratio Lower Upper

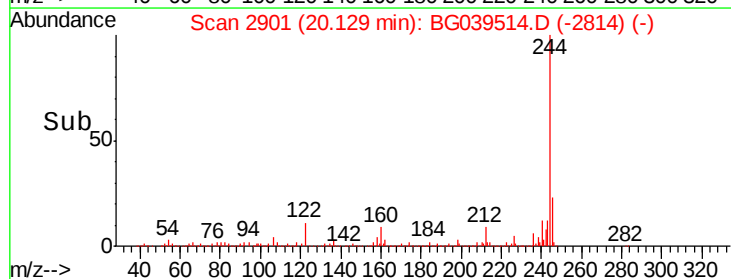
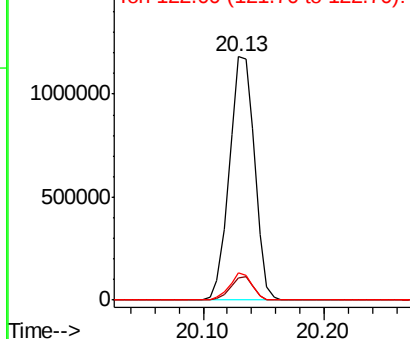
244 100

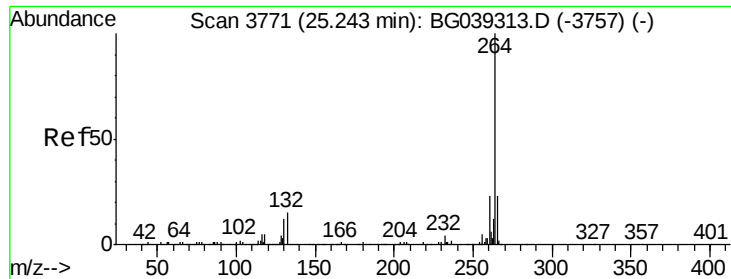
212 9.4 7.3 10.9

122 11.0 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: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039514.D
Acq: 14 Feb 2019 19:58

Instrument :
BNA_G
ClientSampleId :
OR-01-021319-B

Tgt Ion:	264	Resp:	401998
Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.2	27.4
265	20.1	18.5	27.7

