

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039682.D
 Acq On : 1 Mar 2019 6:13
 Operator : JU/SJ
 Sample : K1645-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 07:10:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	50774	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	222424	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	147098	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	328948	20.00	ng	0.00
76) Chrysene-d12	21.82	240	343833	20.00	ng	-0.01
87) Perylene-d12	25.20	264	324304	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	461074	155.42	ng	0.00
7) Phenol-d6	7.31	99	620090	142.00	ng	0.00
23) Nitrobenzene-d5	9.34	82	426810	119.88	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	208091	131.37	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	964360	94.05	ng	0.00
79) Terphenyl-d14	20.12	244	1457409	89.72	ng	0.00

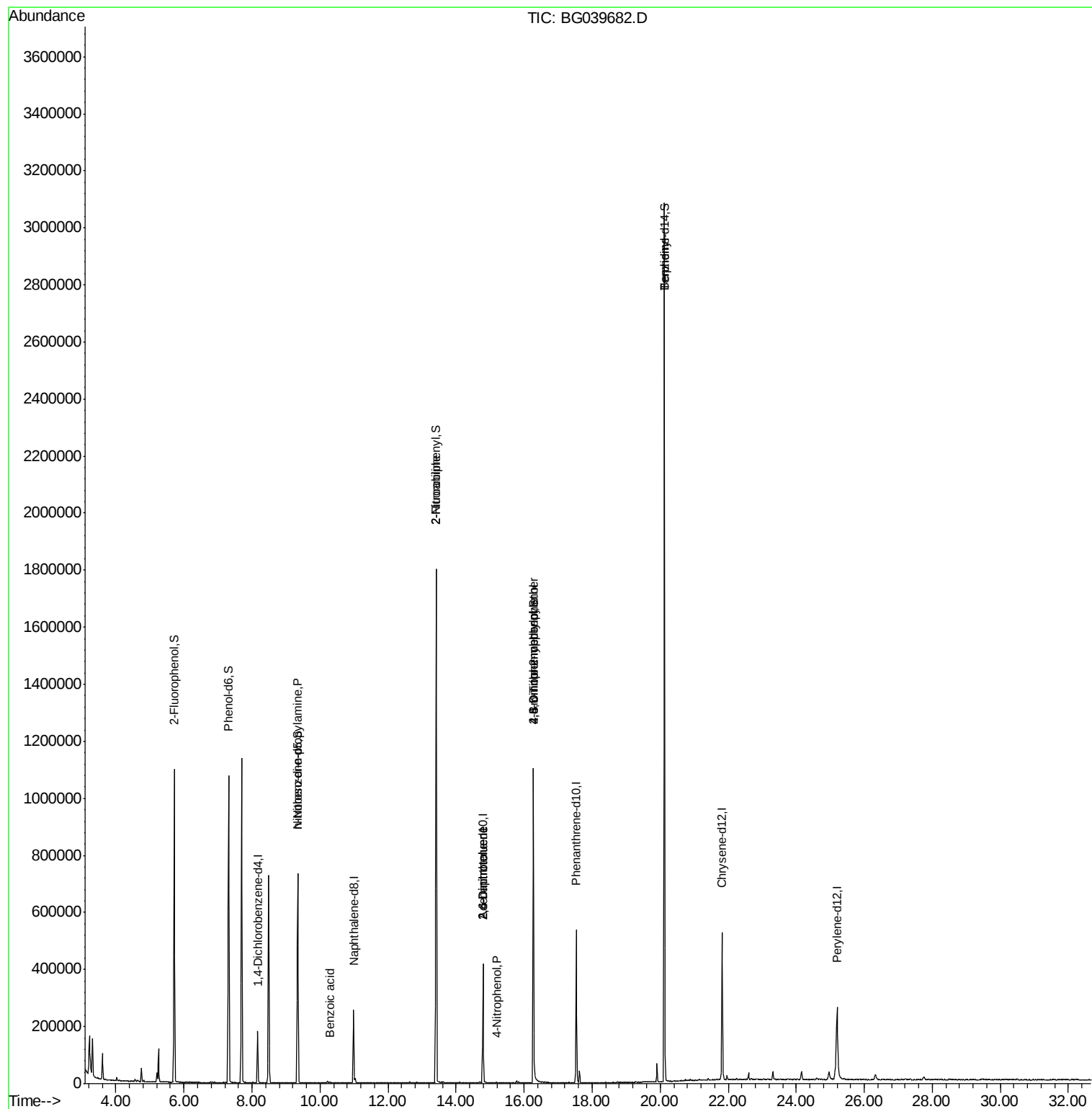
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1053	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	56935	18.370	ng	# 68
32) Benzoic acid	10.28	122	548	9.234	ng	# 83
48) 2-Nitroaniline	13.41	65	1763	8.848	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	19205	14.027	ng	# 25
56) 4-Nitrophenol	15.18	139	710	6.100	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19205	13.477	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	816	4.970	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	16626	4.556	ng	# 1
77) Benzidine	20.12	184	25658	2.276	ng	# 93

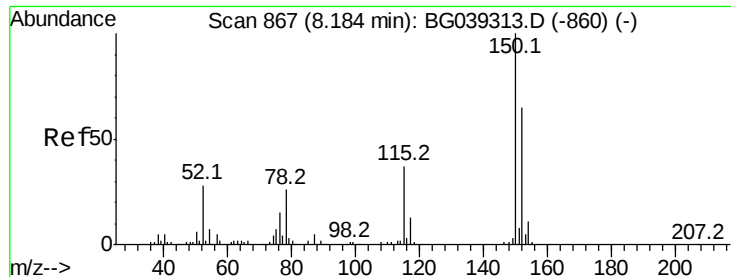
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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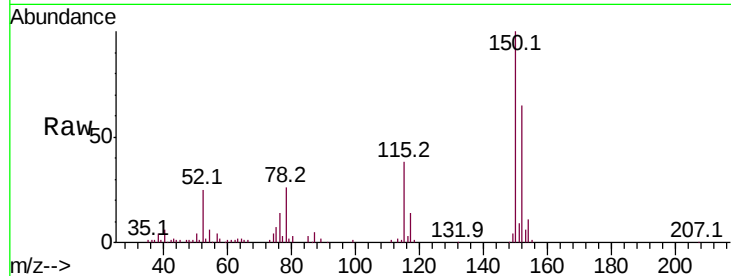


#1

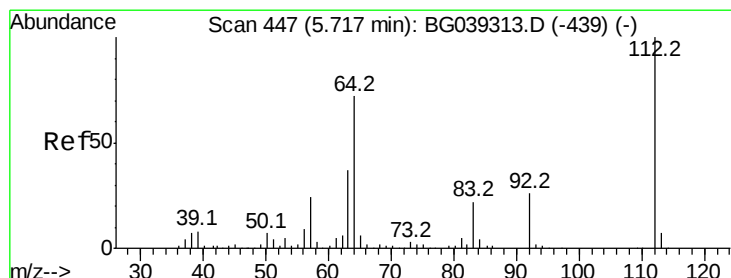
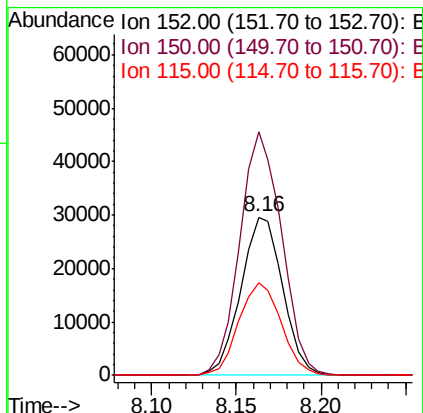
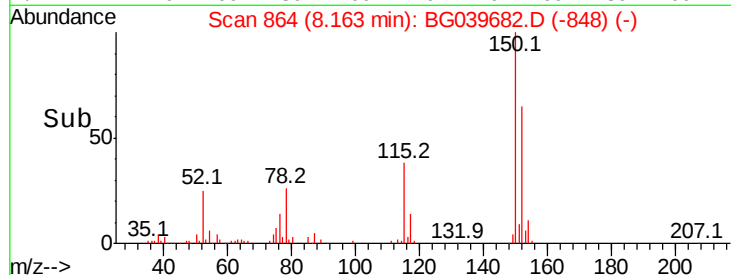
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039682.D
Acq: 1 Mar 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50774
Ion Ratio Lower Upper
152 100
150 153.9 123.7 185.5
115 58.5 45.9 68.9



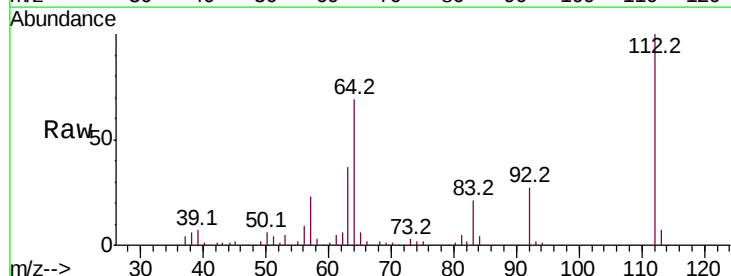
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



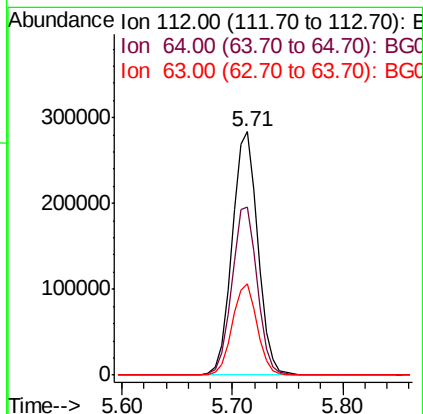
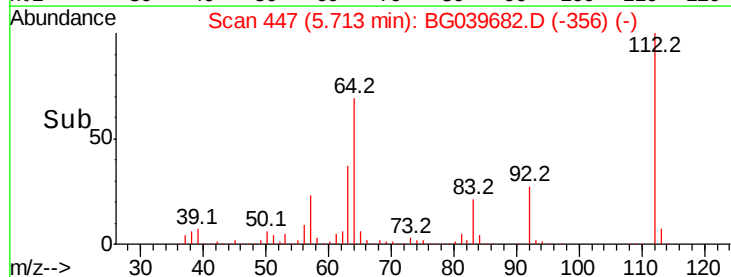
#5

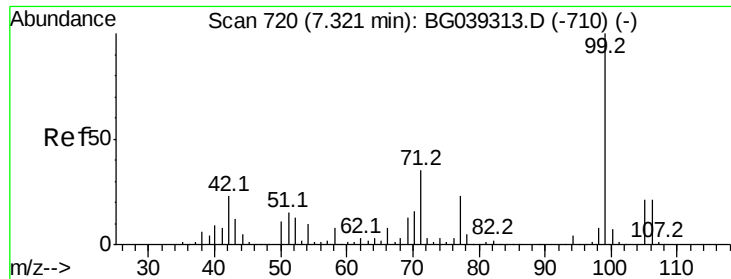
2-Fluorophenol
Concen: 155.421 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039682.D
Acq: 1 Mar 2019 6:13

Tgt Ion:112 Resp: 461074
Ion Ratio Lower Upper
112 100
64 69.0 57.8 86.8
63 37.5 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: 142.001 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

Instrument :

BNA_G

ClientSampled :

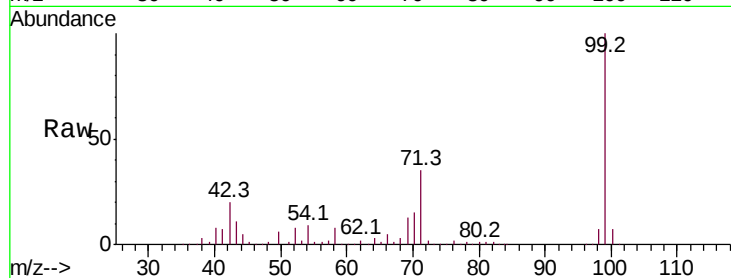
Tot Ion: 99 Resp: 620090

Ion Ratio Lower Upper

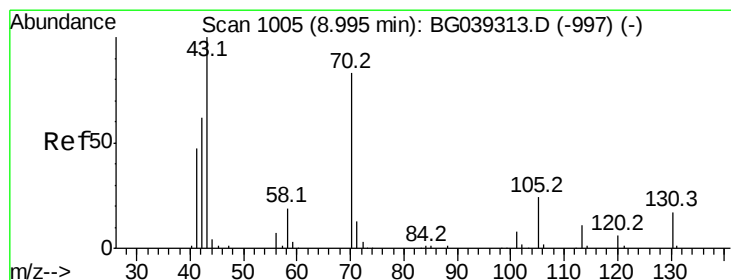
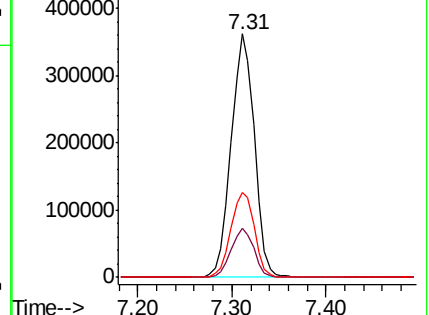
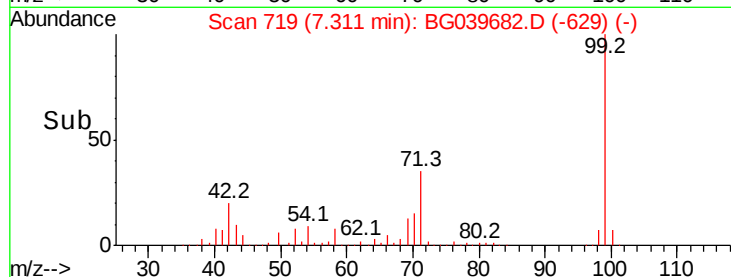
99 100

42 20.0 18.2 27.2

71 35.0 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: 18.370 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.37 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

Tgt Ion: 70 Resp: 56935

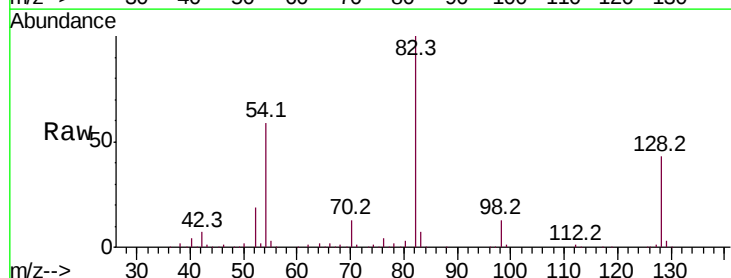
Ion Ratio Lower Upper

70 100

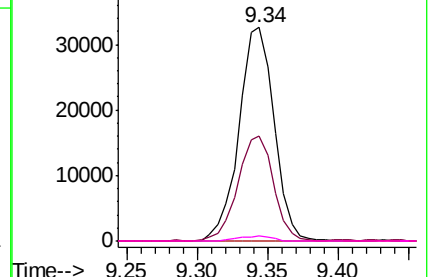
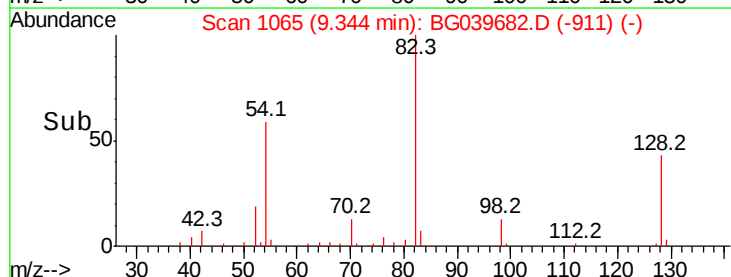
42 48.9 60.4 90.6#

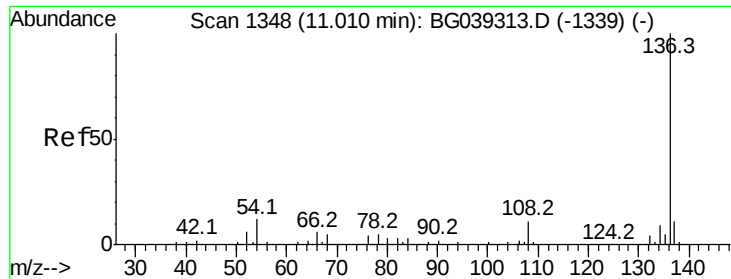
101 0.0 7.5 11.3#

130 2.3 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

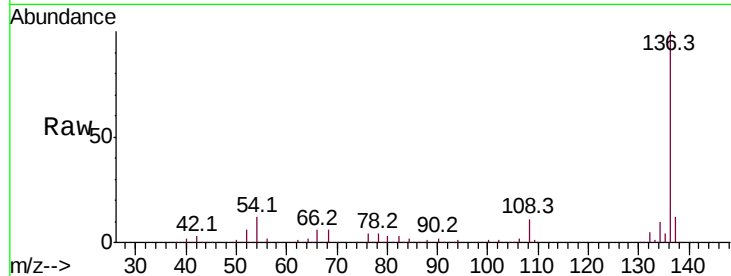




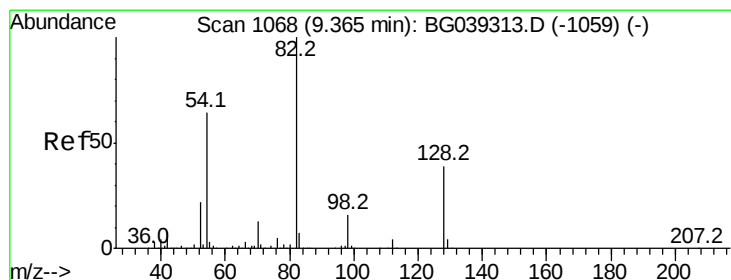
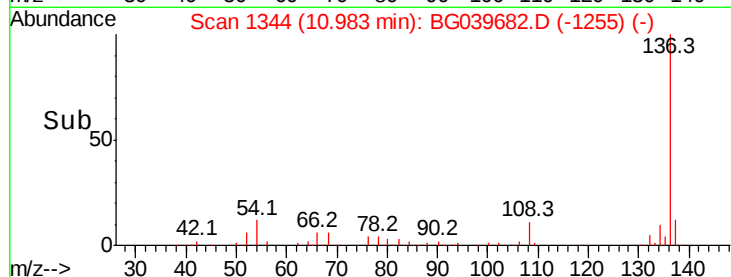
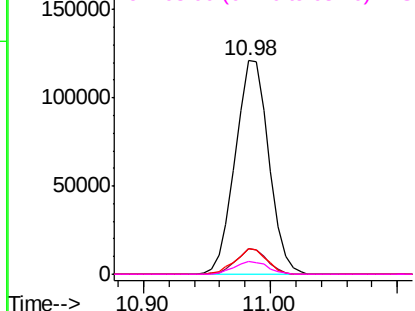
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039682.D
Acq: 1 Mar 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	222424
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.1 13.7
54	12.0	9.4 14.2
68	5.7	4.2 6.4

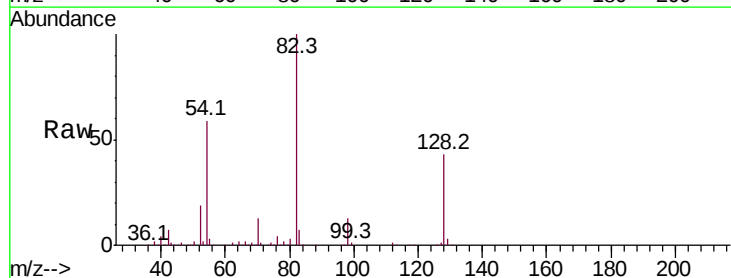


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

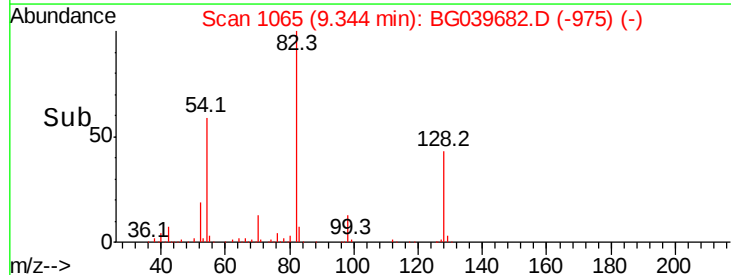
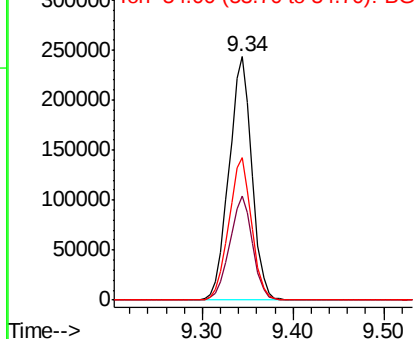


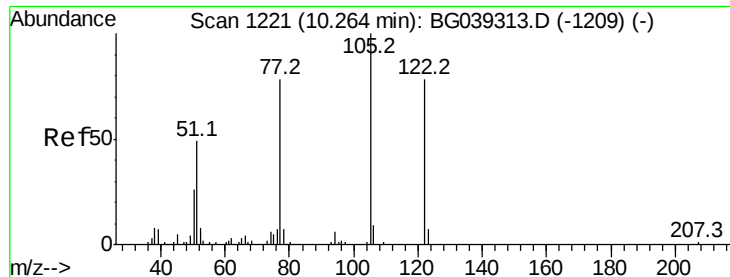
#23
Nitrobenzene-d5
Concen: 119.877 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039682.D
Acq: 1 Mar 2019 6:13

Tgt Ion: 82	Resp:	426810
Ion	Ratio	Lower Upper
82	100	
128	42.7	31.3 46.9
54	58.7	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





#32

Benzoic acid

Concen: 9.234 ng

RT: 10.28 min Scan# 1225

Delta R.T. 0.02 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

Instrument :

BNA_G

ClientSampleId :

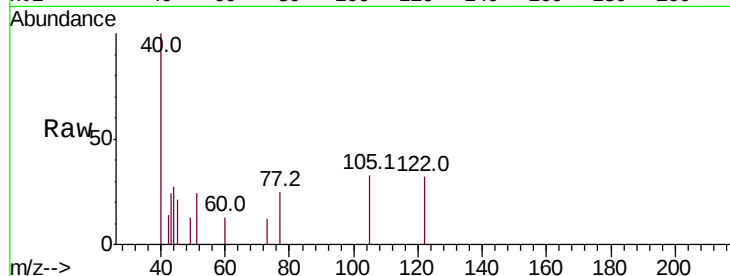
Tot Ion:122 Resp: 548

Ion Ratio Lower Upper

122 100

105 103.9 101.8 141.8

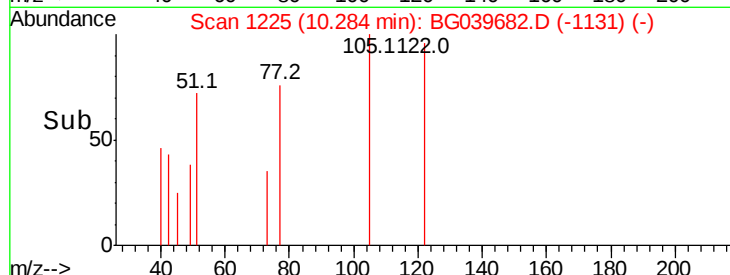
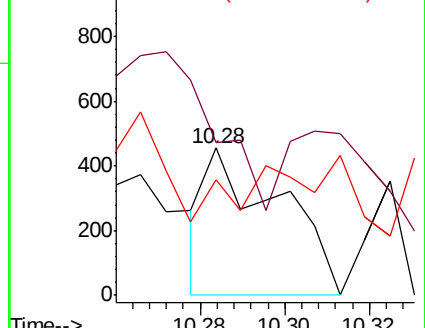
77 78.5 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

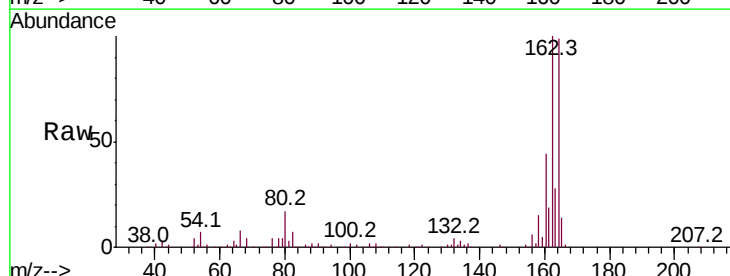
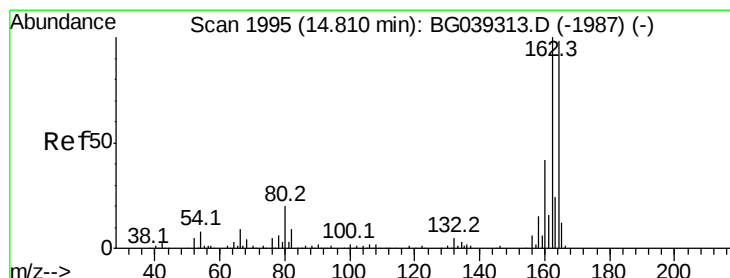
Tgt Ion:164 Resp: 147098

Ion Ratio Lower Upper

164 100

162 101.4 81.6 122.4

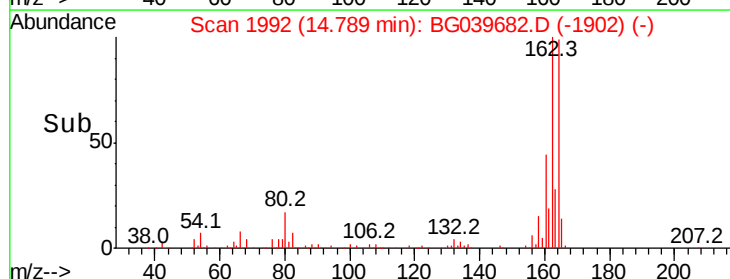
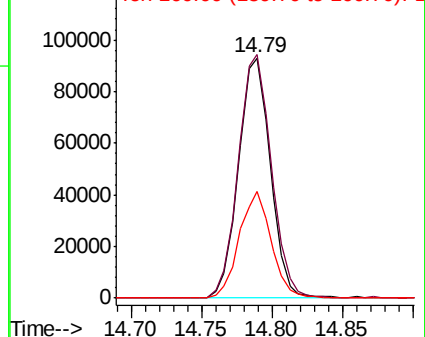
160 44.3 34.2 51.2

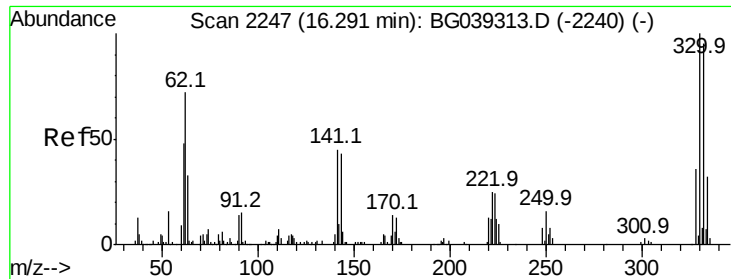


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

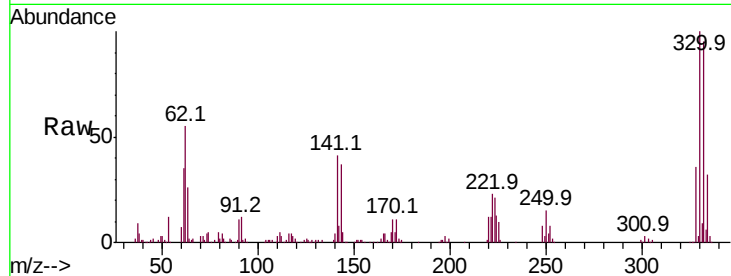




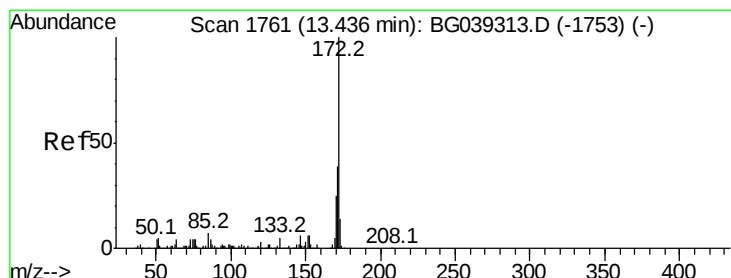
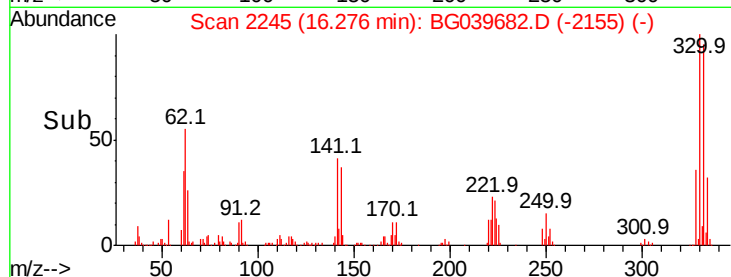
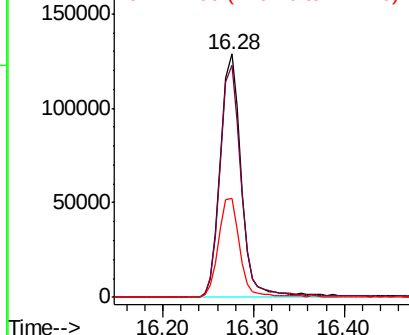
#42
 2,4,6-Tribromophenol
 Concen: 131.371 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BG039682.D
 Acq: 1 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.7	113.5
141	40.7	35.6	53.4

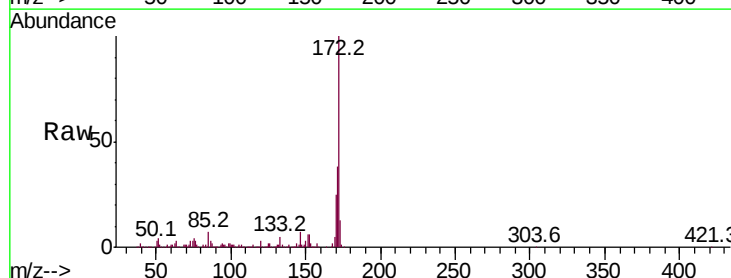


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

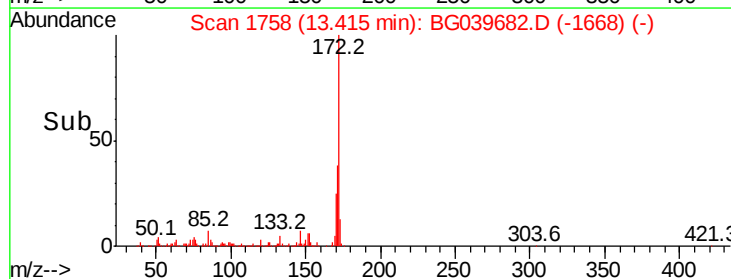
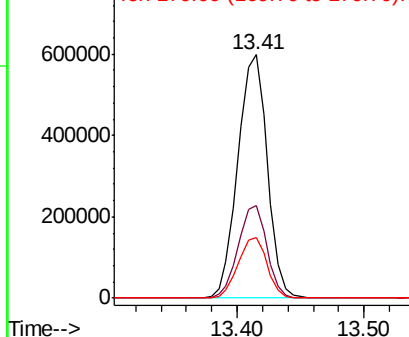


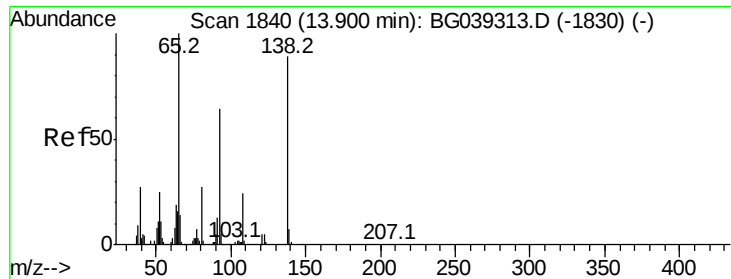
#45
 2-Fluorobiphenyl
 Concen: 94.048 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: BG039682.D
 Acq: 1 Mar 2019 6:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	24.9	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

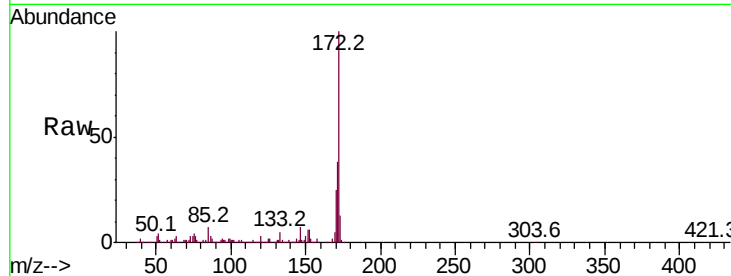




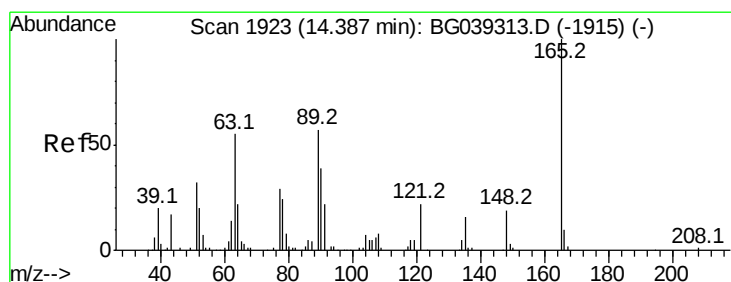
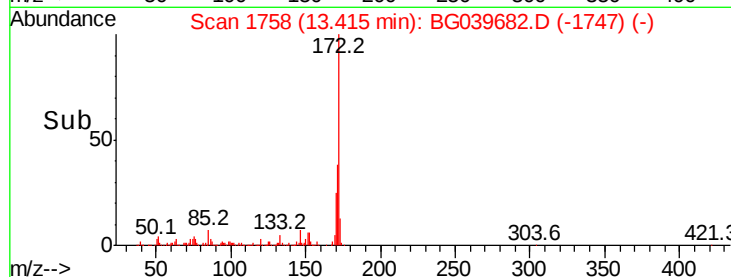
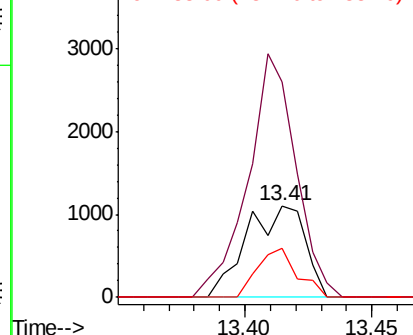
#48
2-Nitroaniline
Concen: 8.848 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.47 min
Lab File: BG039682.D
Acq: 1 Mar 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 1763
Ion Ratio Lower Upper
65 100
92 235.0 51.4 77.2#
138 53.3 71.4 107.2#

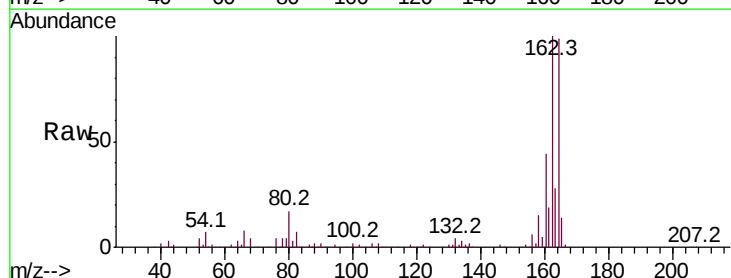


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

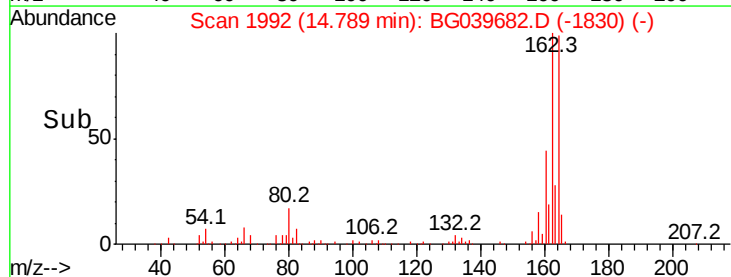
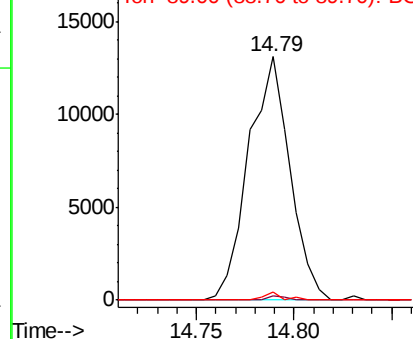


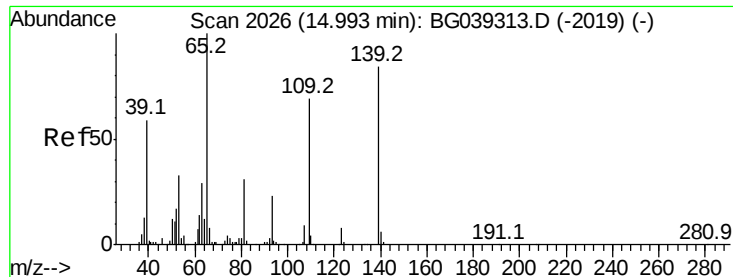
#51
2,6-Dinitrotoluene
Concen: 14.027 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.42 min
Lab File: BG039682.D
Acq: 1 Mar 2019 6:13

Tgt Ion:165 Resp: 19205
Ion Ratio Lower Upper
165 100
63 1.9 47.0 70.6#
89 3.2 45.8 68.8#



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





#56

4-Nitrophenol

Concen: 6.100 ng

RT: 15.18 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

Instrument :

BNA_G

ClientSampleId :

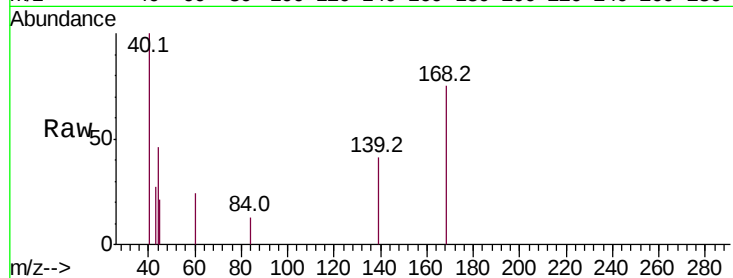
Tot Ion:139 Resp: 710

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

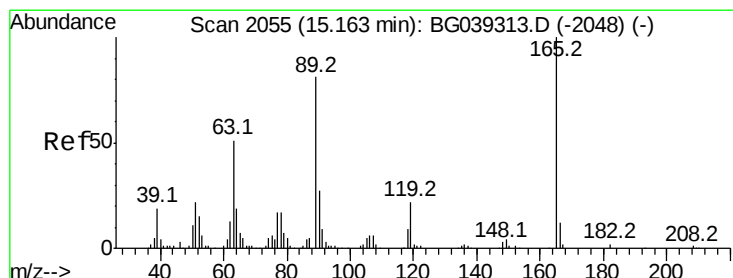
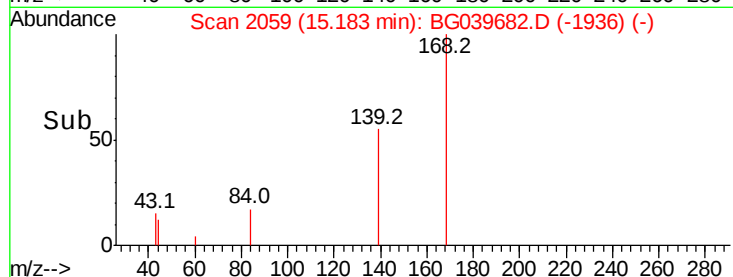
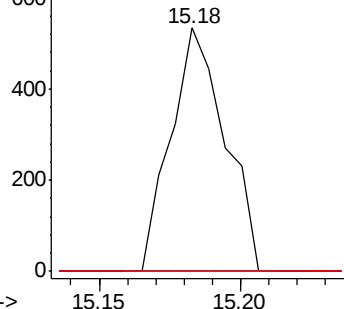
65 0.0 99.1 139.1#



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: 13.477 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.36 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

Tgt Ion:165 Resp: 19205

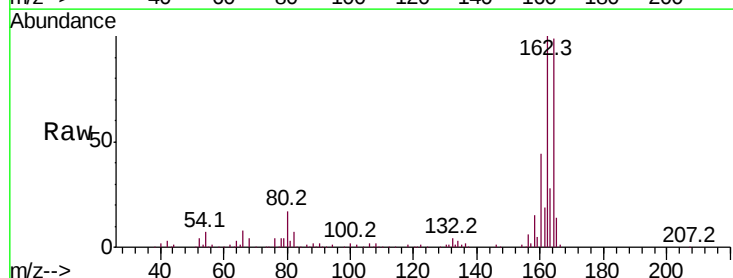
Ion Ratio Lower Upper

165 100

63 1.9 41.0 61.6#

89 3.2 64.6 96.8#

182 0.0 2.0 3.0#

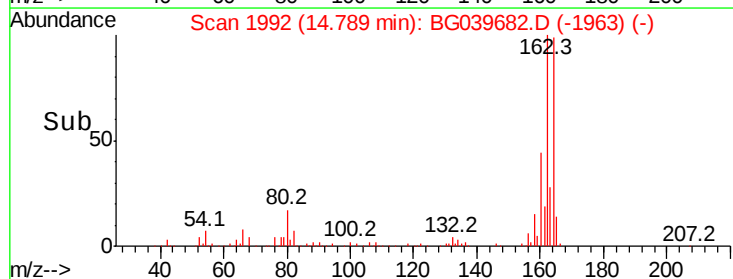
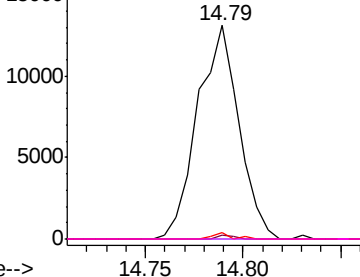


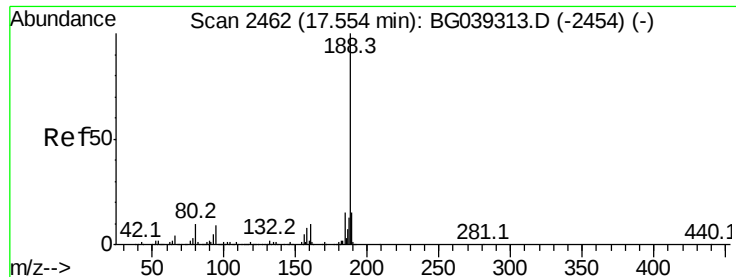
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

Instrument :

BNA_G

ClientSampleId :

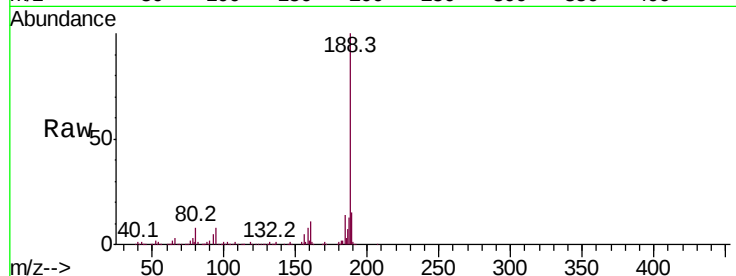
Tot Ion:188 Resp: 328948

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

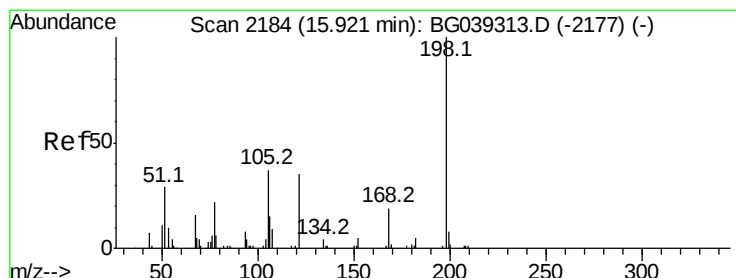
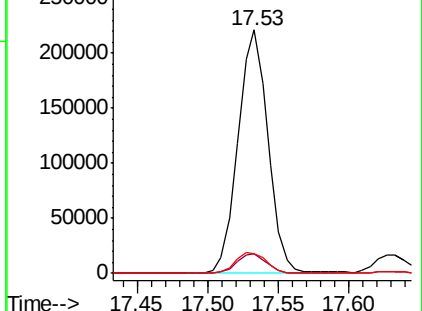
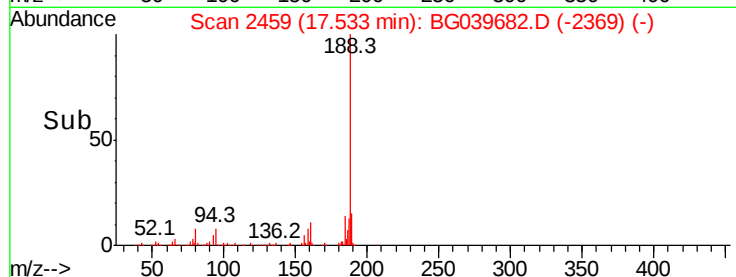
80 8.2 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.970 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.37 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

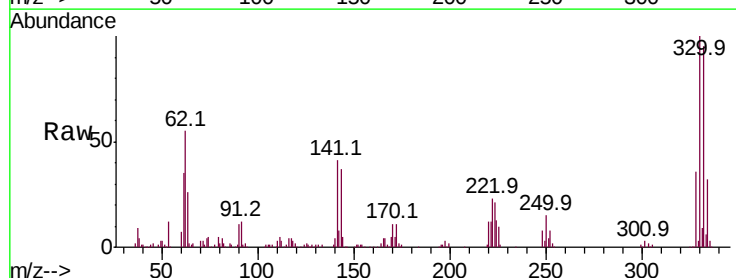
Tgt Ion:198 Resp: 816

Ion Ratio Lower Upper

198 100

51 153.7 27.4 67.4#

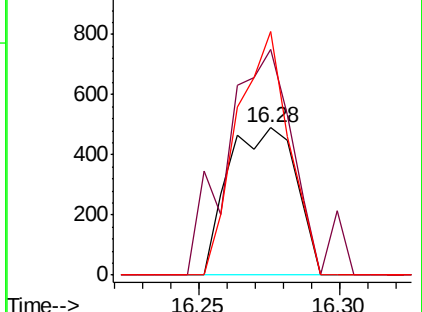
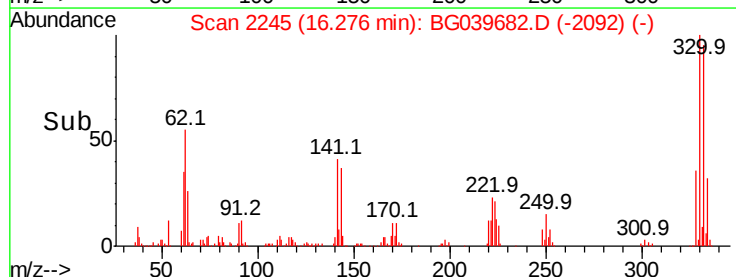
105 165.3 19.7 59.7#

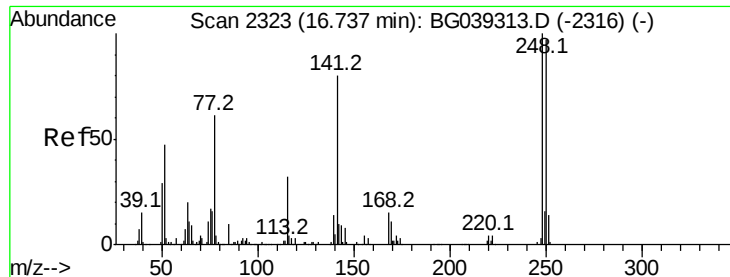


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

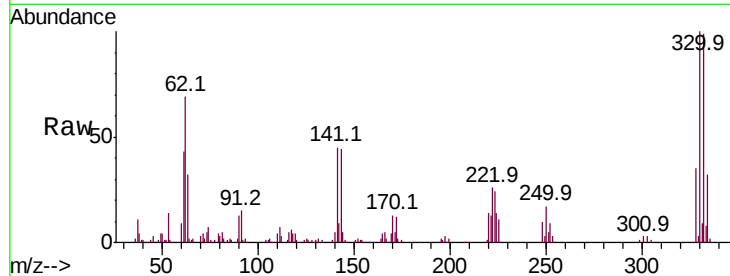




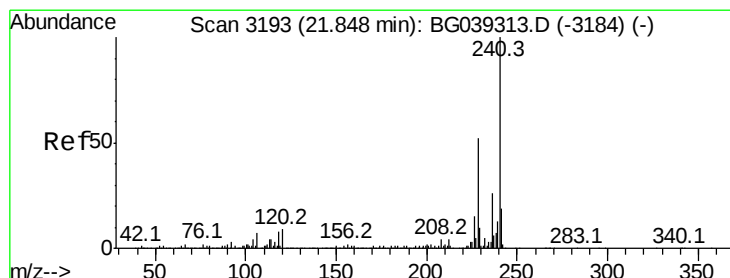
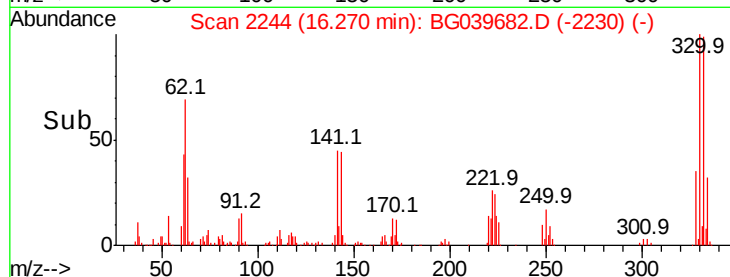
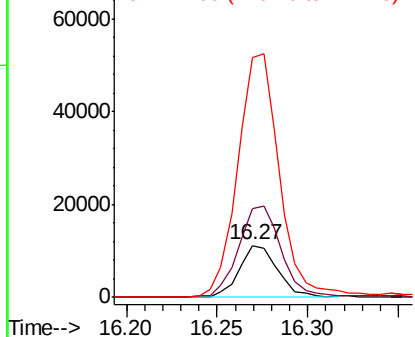
#67
 4-Bromophenyl-phenylether
 Concen: 4.556 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039682.D
 Acq: 1 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16626
 Ion Ratio Lower Upper
 248 100
 250 170.8 77.6 116.4#
 141 459.5 63.9 95.9#

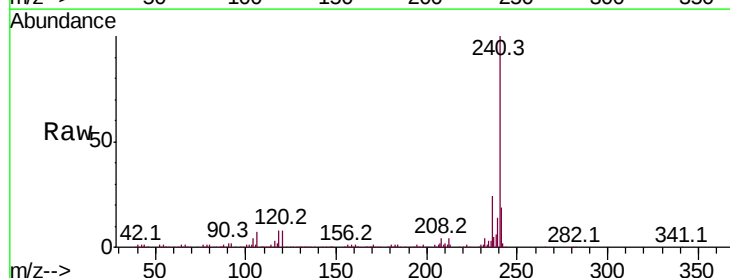


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

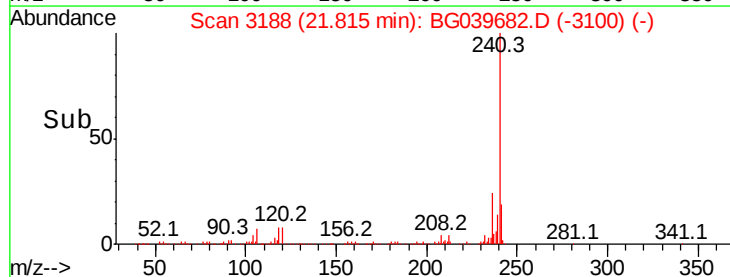
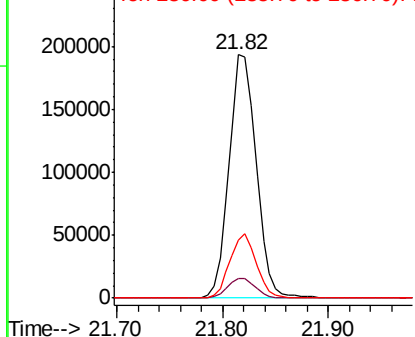


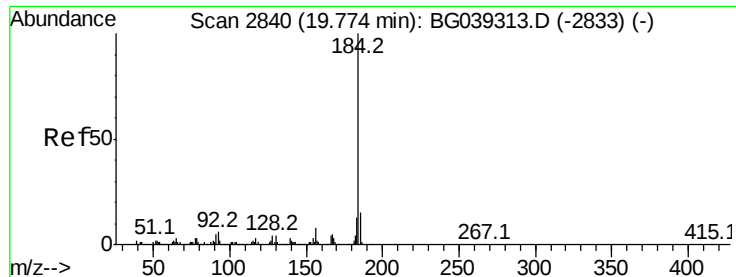
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG039682.D
 Acq: 1 Mar 2019 6:13

Tgt Ion:240 Resp: 343833
 Ion Ratio Lower Upper
 240 100
 120 8.3 7.0 10.6
 236 23.8 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: 2.276 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

Instrument :

BNA_G

ClientSampled :

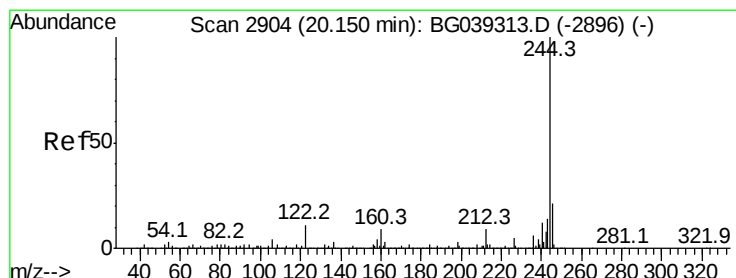
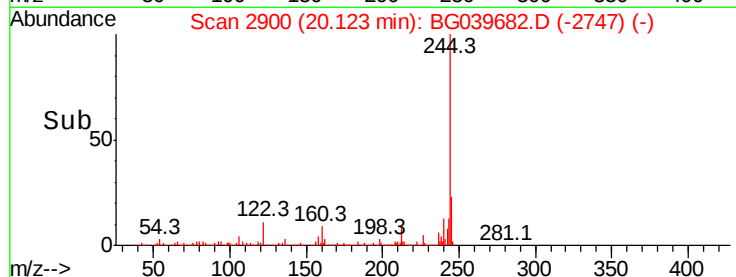
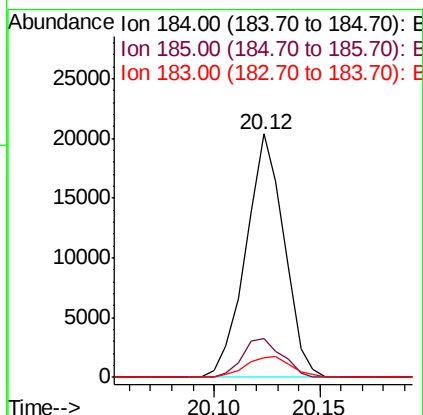
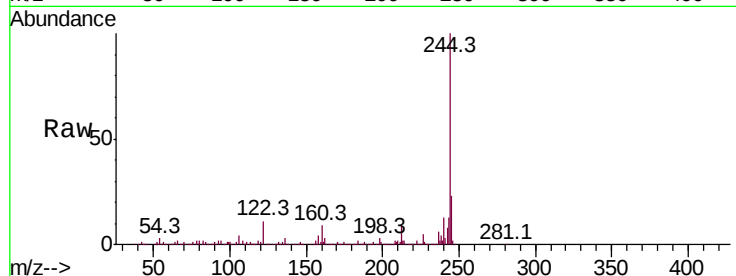
Tot Ion:184 Resp: 25658

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

183 7.8 10.6 15.8#



#79

Terphenyl-d14

Concen: 89.720 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039682.D

Acq: 1 Mar 2019 6:13

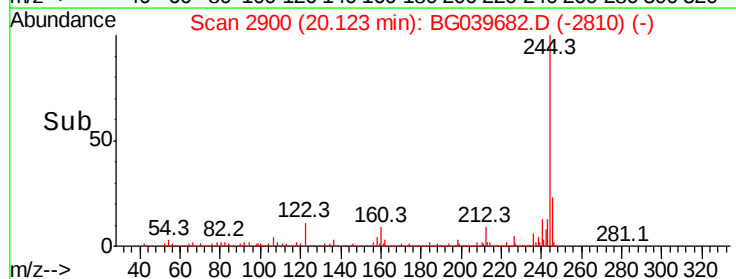
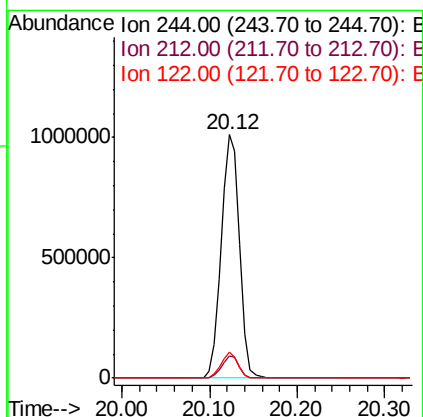
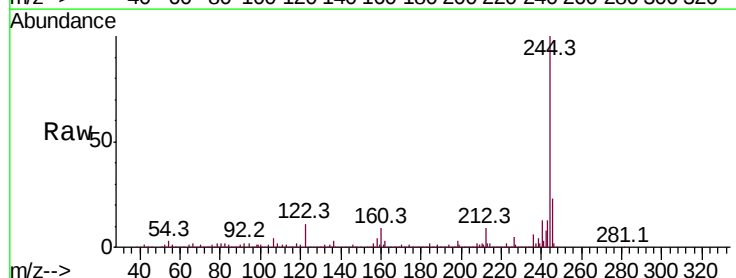
Tgt Ion:244 Resp: 1457409

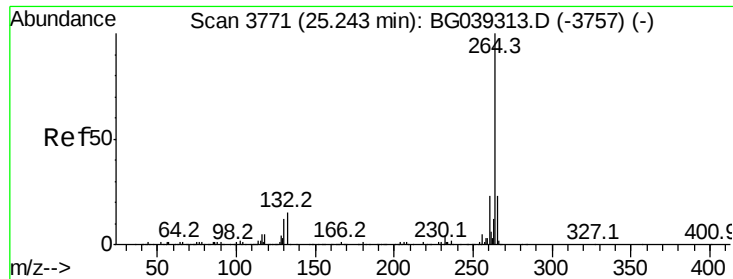
Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

122 10.8 8.4 12.6

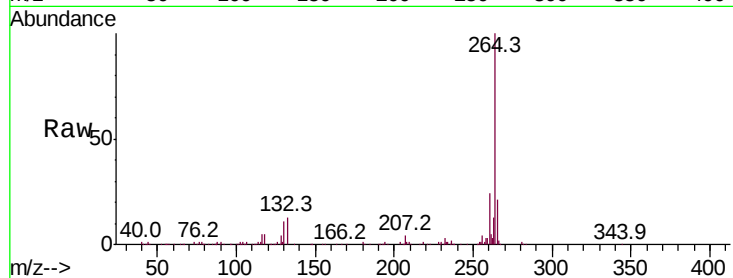




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.00 min
 Lab File: BG039682.D
 Acq: 1 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	20.6	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

