

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039684.D
 Acq On : 1 Mar 2019 7:31
 Operator : JU/SJ
 Sample : K1651-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 10:07:18 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	8.17	152	58855	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	259402	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	163133	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	365242	20.00	ng	0.00
76) Chrysene-d12	21.82	240	383783	20.00	ng	-0.01
87) Perylene-d12	25.20	264	367173	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	496247	144.31	ng	0.00
7) Phenol-d6	7.31	99	632243	124.91	ng	0.00
23) Nitrobenzene-d5	9.35	82	480247	115.66	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	221936	126.34	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	1069366	94.04	ng	0.00
79) Terphenyl-d14	20.13	244	1578202	87.04	ng	0.00

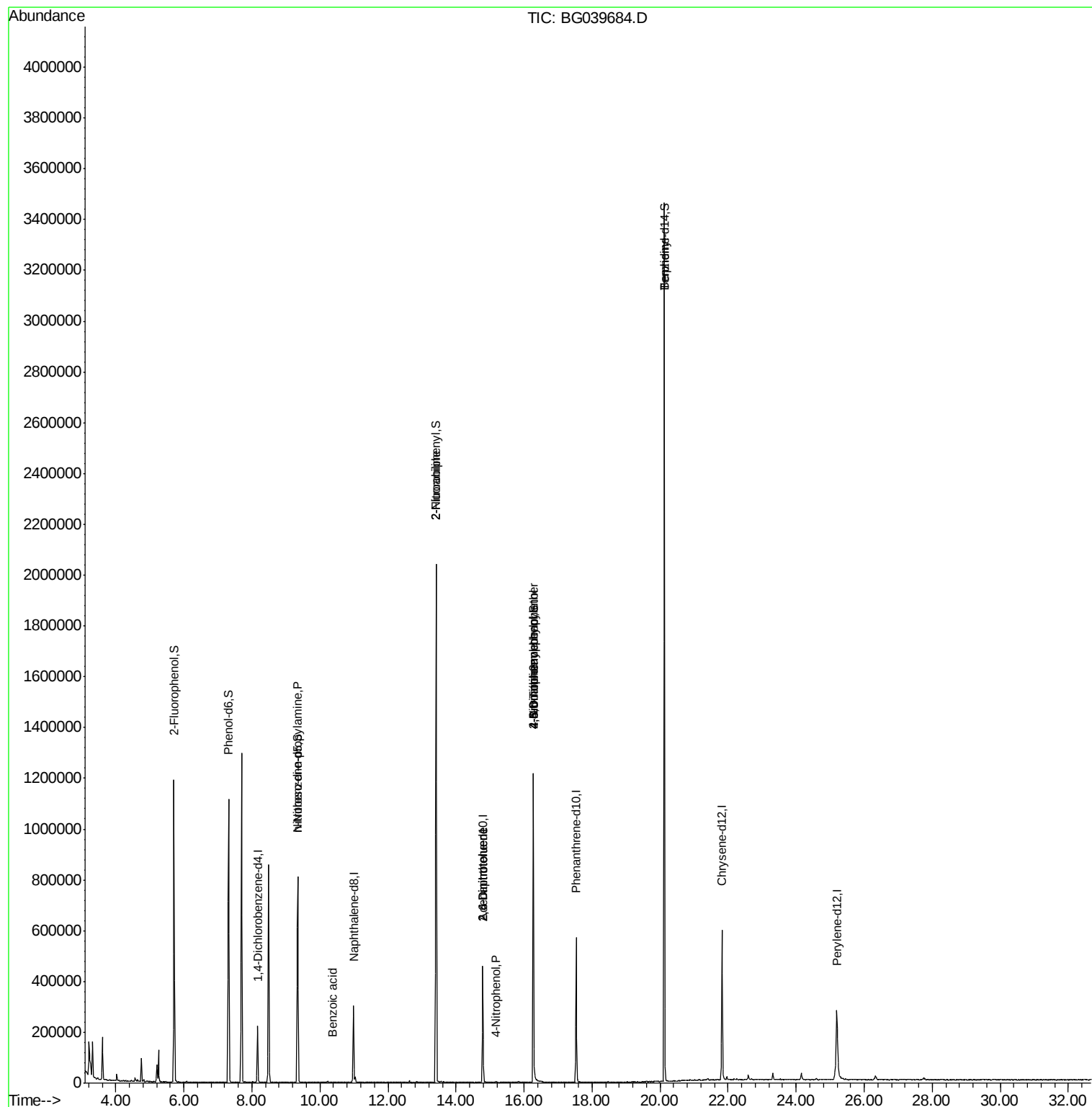
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1129	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	63232	17.600	ng	# 71
32) Benzoic acid	10.39	122	76	9.046	ng	# 92
48) 2-Nitroaniline	13.42	65	2032	8.869	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21409	14.065	ng	# 25
56) 4-Nitrophenol	15.19	139	797	6.104	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21409	13.506	ng	# 20
62) 4-Nitroaniline	16.27	138	61	4.223	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	787	4.866	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17279	4.264	ng	# 1
77) Benzydine	20.13	184	27844	2.213	ng	# 94

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

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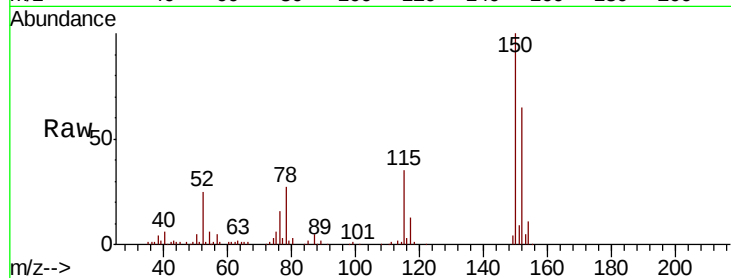


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.7	185.5
115	54.4	45.9	68.9

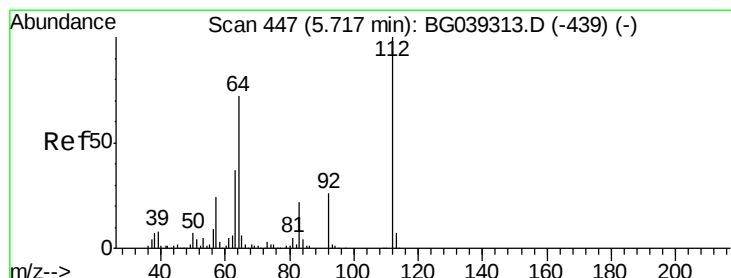
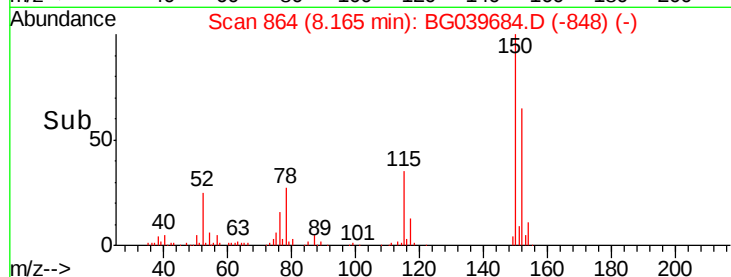
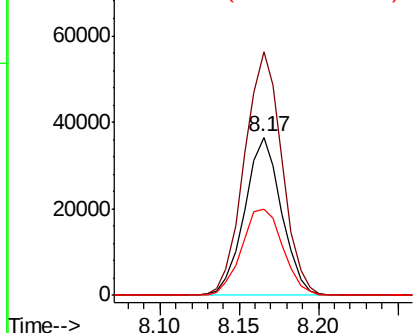


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

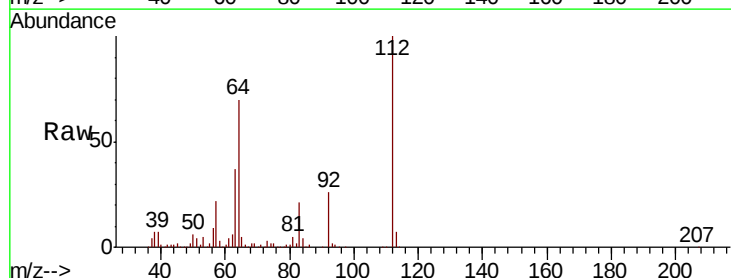
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.309 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.9	57.8	86.8
63	37.3	29.8	44.6

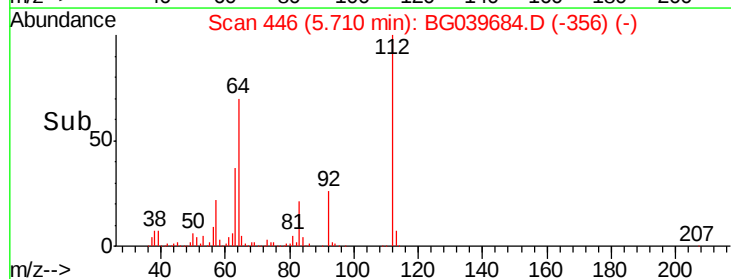
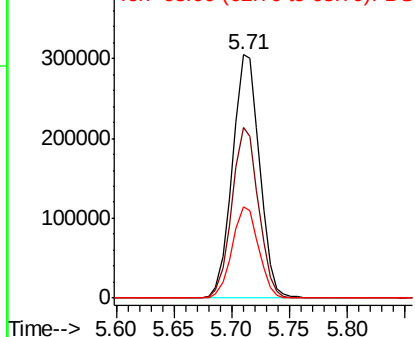


Abundance

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: 124.905 ng

RT: 7.31 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG039684.D

Acq: 1 Mar 2019 7:31

Instrument :

BNA_G

ClientSampled :

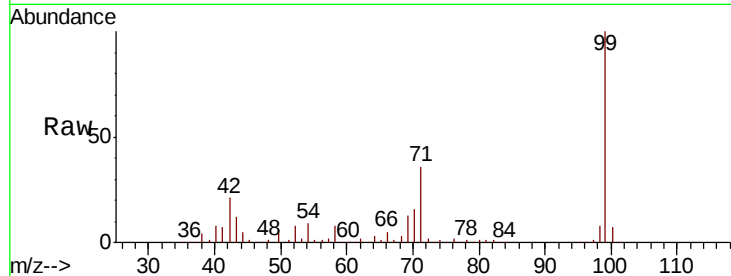
Tot Ion: 99 Resp: 632243

Ion Ratio Lower Upper

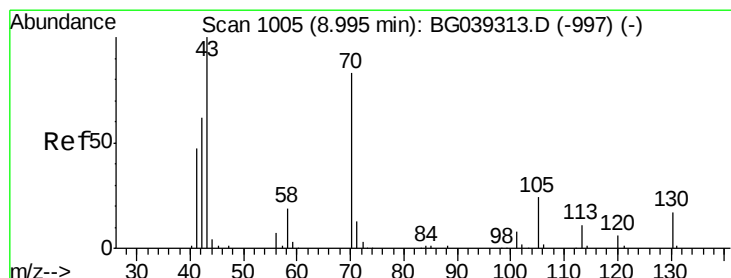
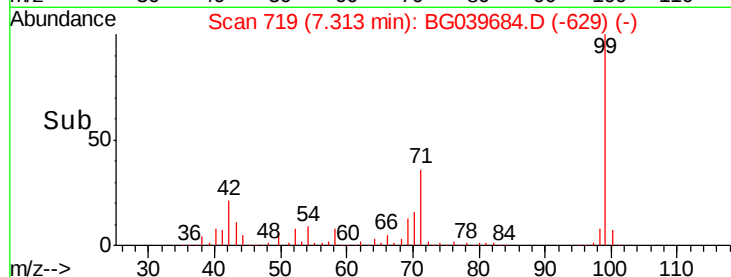
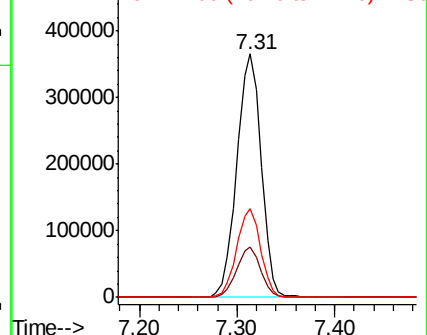
99 100

42 20.7 18.2 27.2

71 36.3 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: 17.600 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039684.D

Acq: 1 Mar 2019 7:31

Tgt Ion: 70 Resp: 63232

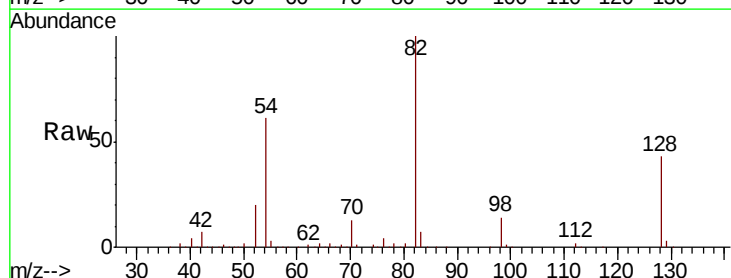
Ion Ratio Lower Upper

70 100

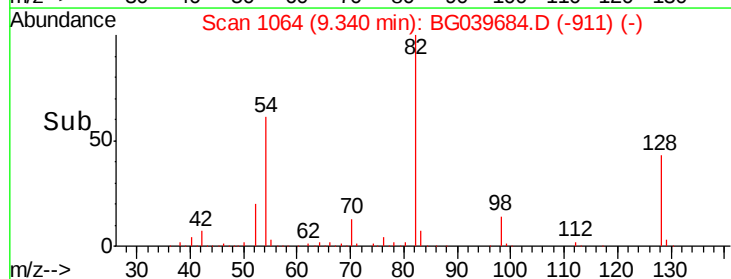
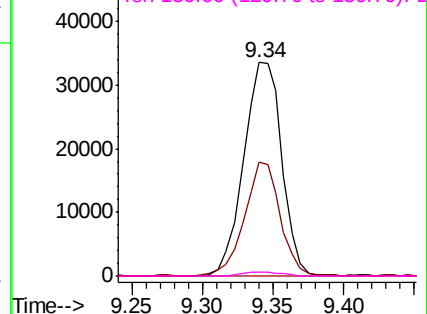
42 53.5 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 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

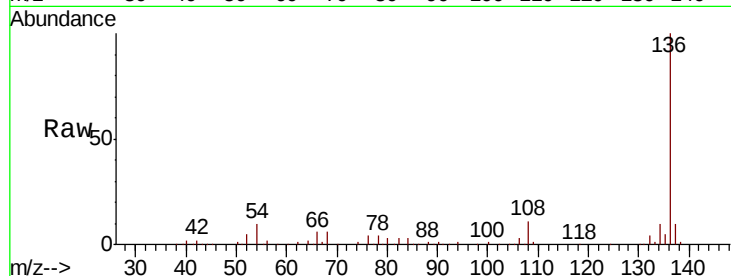




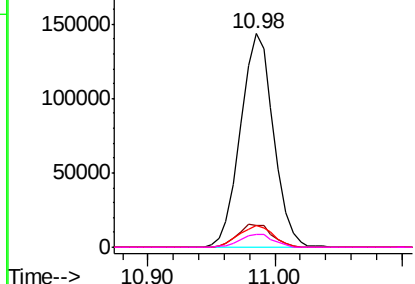
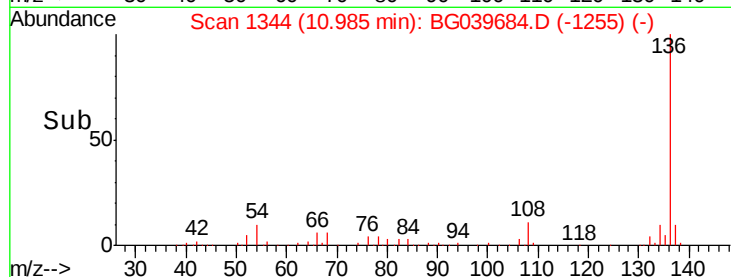
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	259402
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.1 13.7
54	10.5	9.4 14.2
68	6.2	4.2 6.4

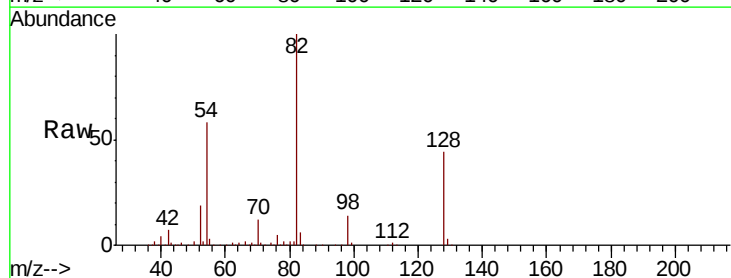


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

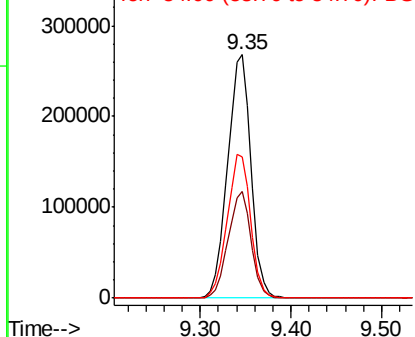
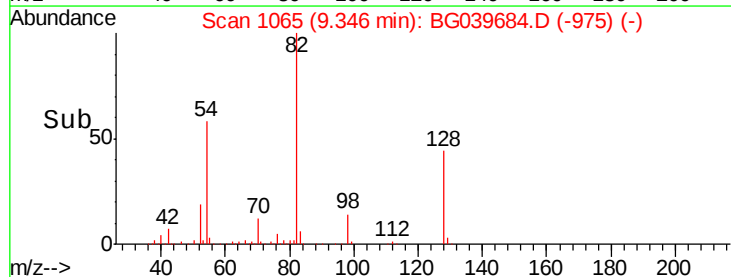


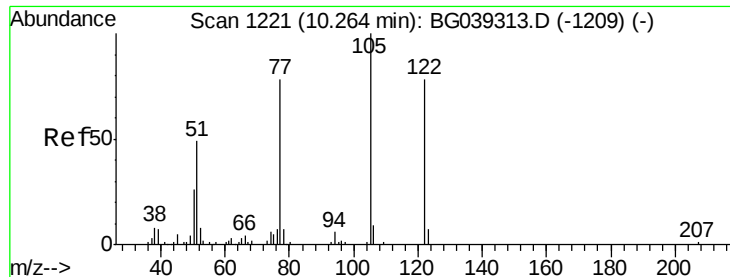
#23
Nitrobenzene-d5
Concen: 115.658 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Tgt Ion: 82	Resp:	480247
Ion Ratio	Lower	Upper
82	100	
128	43.7	31.3 46.9
54	58.0	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: 9.046 ng

RT: 10.39 min Scan# 1242

Delta R.T. 0.12 min

Lab File: BG039684.D

Acq: 1 Mar 2019 7:31

Instrument :

BNA_G

ClientSampleId :

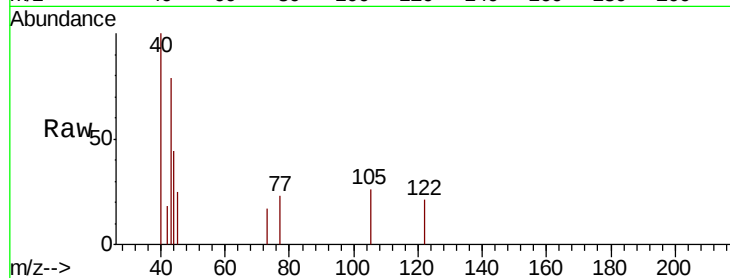
Tot Ion:122 Resp: 76

Ion Ratio Lower Upper

122 100

105 124.1 101.8 141.8

77 112.0 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): E

Time-->

10.38 10.39

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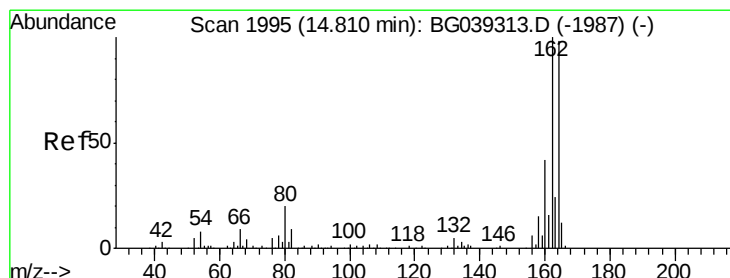
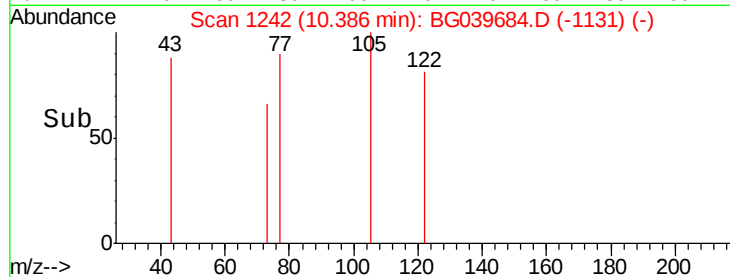
10.39

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG039684.D

Acq: 1 Mar 2019 7:31

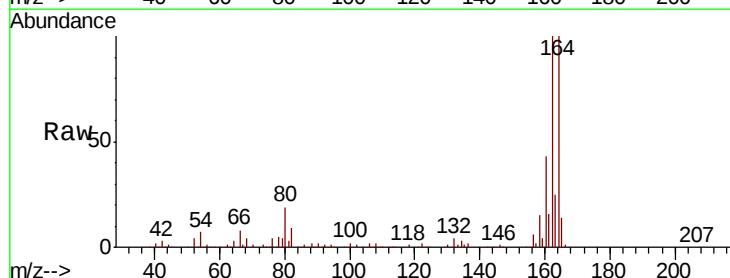
Tgt Ion:164 Resp: 163133

Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

160 43.2 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

Time-->

14.79

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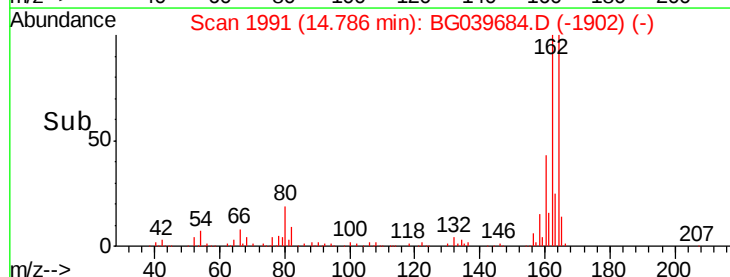
14.79

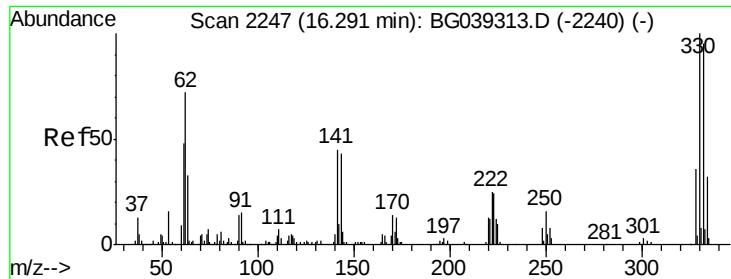
14.79

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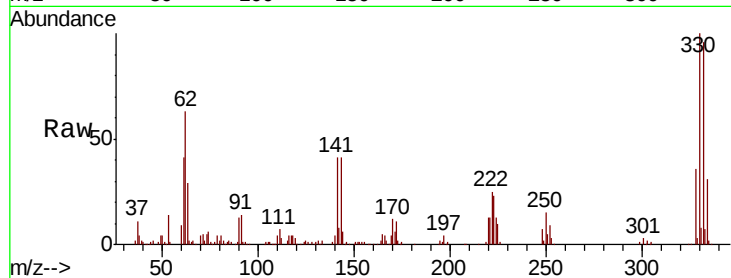




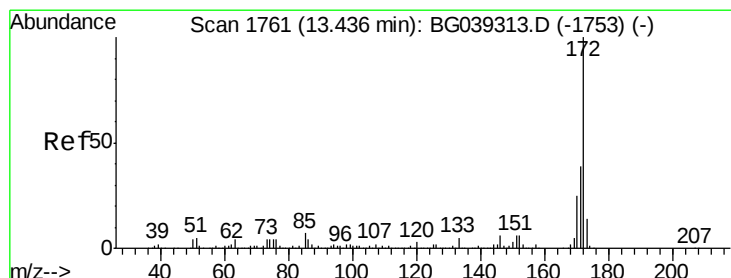
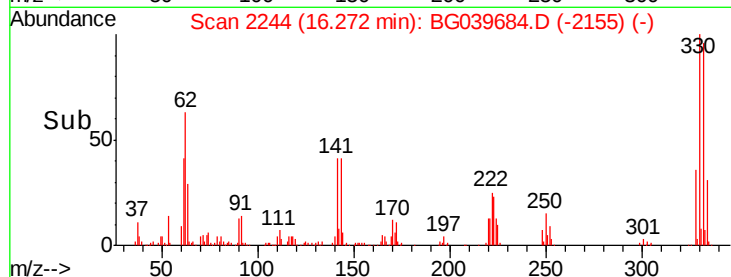
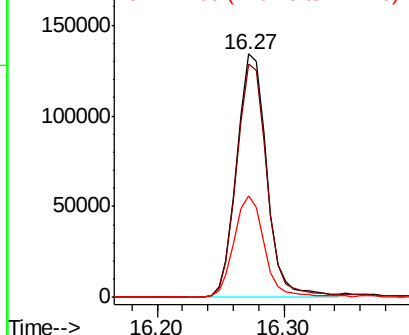
#42
 2,4,6-Tribromophenol
 Concen: 126.340 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BG039684.D
 Acq: 1 Mar 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	75.7	113.5
141	41.5	35.6	53.4

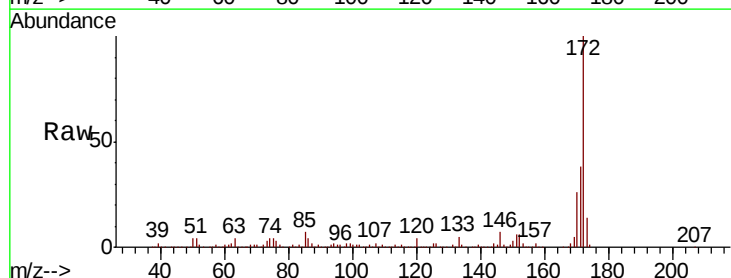


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

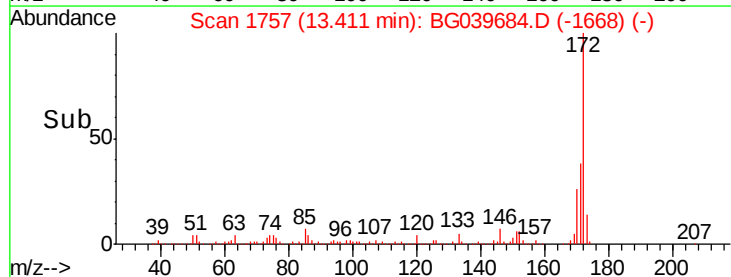
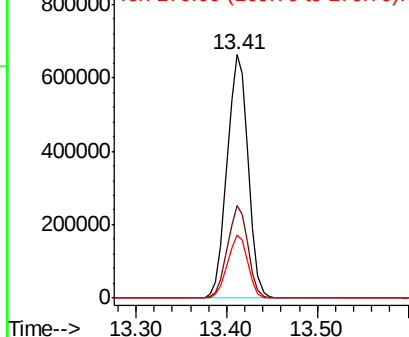


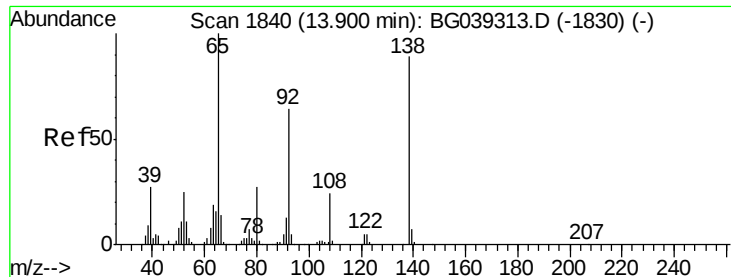
#45
 2-Fluorobiphenyl
 Concen: 94.037 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG039684.D
 Acq: 1 Mar 2019 7:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	25.8	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

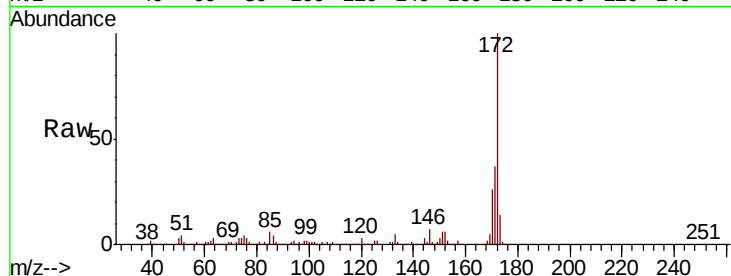




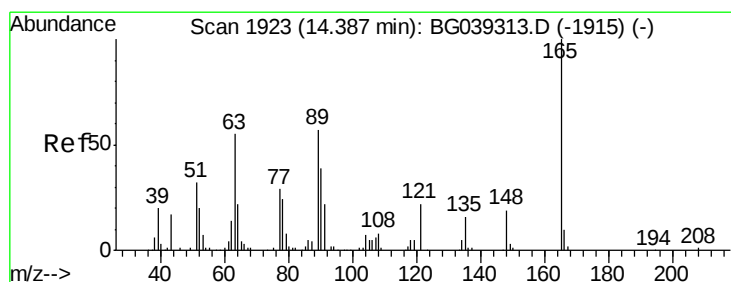
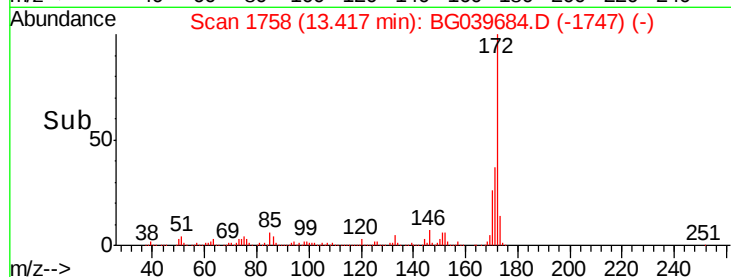
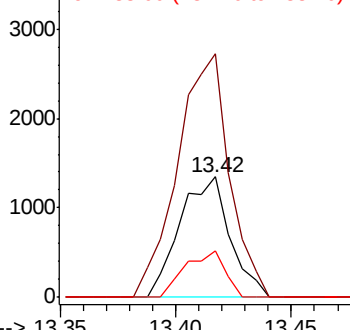
#48
2-Nitroaniline
Concen: 8.869 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.46 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 2032
Ion Ratio Lower Upper
65 100
92 202.5 51.4 77.2#
138 38.2 71.4 107.2#

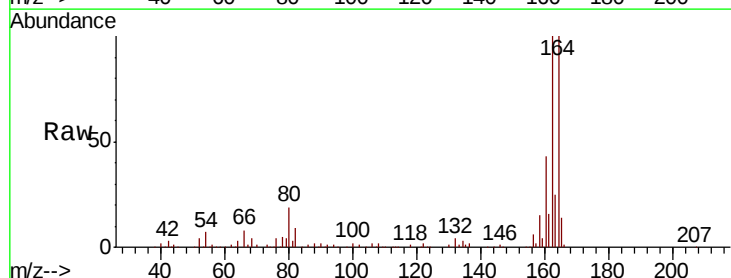


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

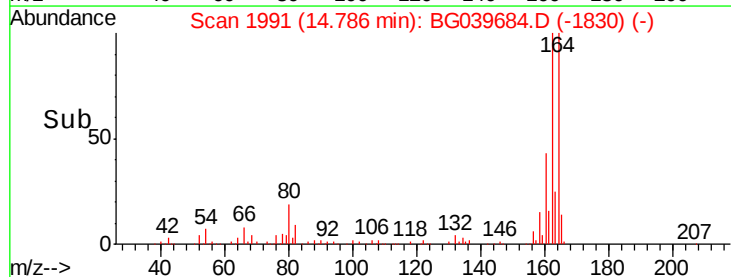
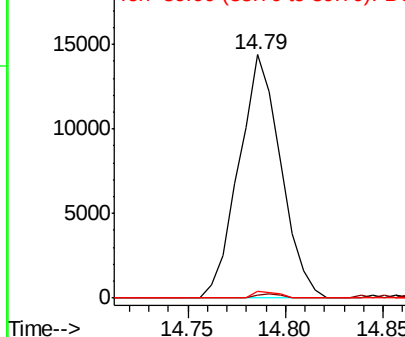


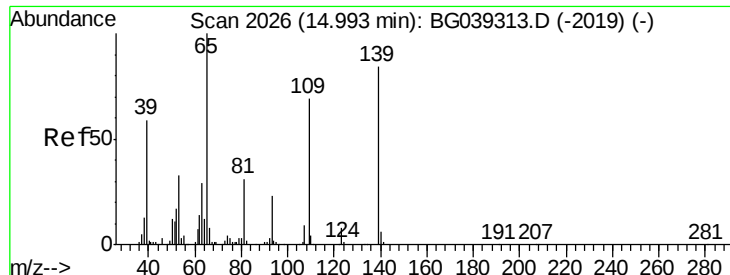
#51
2,6-Dinitrotoluene
Concen: 14.065 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Tgt Ion:165 Resp: 21409
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.6#
89 2.7 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: 6.104 ng

RT: 15.19 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039684.D

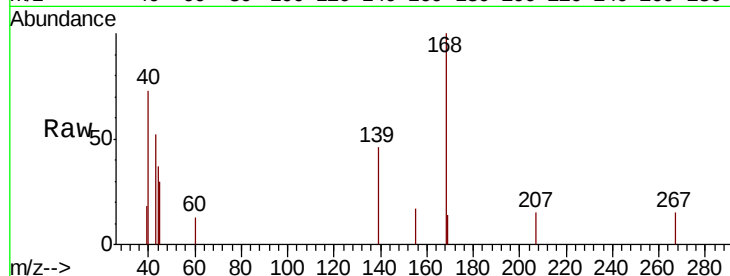
Acq: 1 Mar 2019 7:31

Instrument :

BNA_G

ClientSampleId :

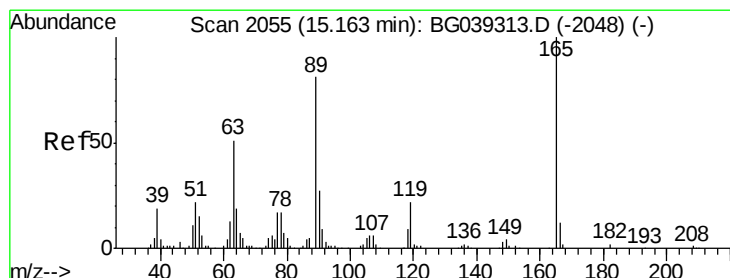
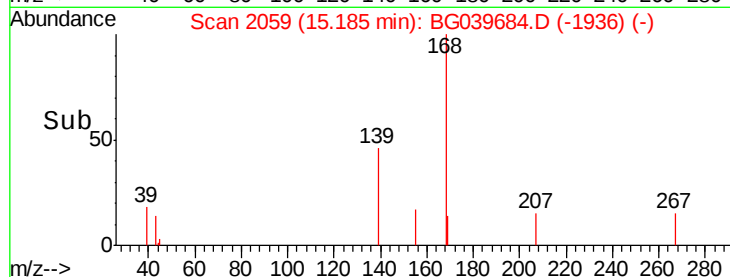
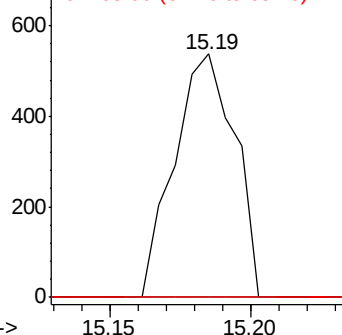
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



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: 13.506 ng

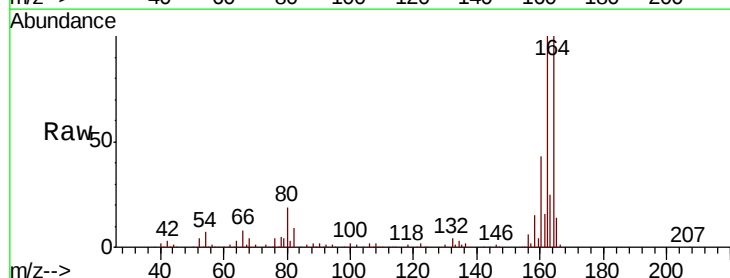
RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG039684.D

Acq: 1 Mar 2019 7:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.0	61.6#
89	2.7	64.6	96.8#
182	0.0	2.0	3.0#

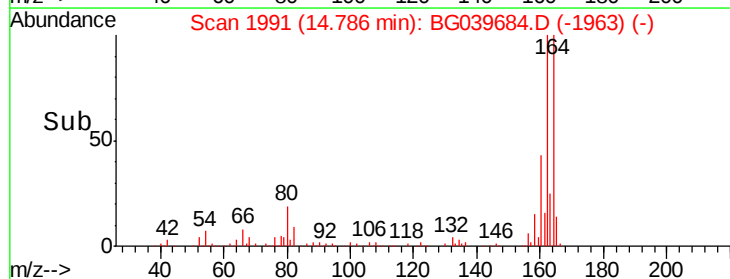
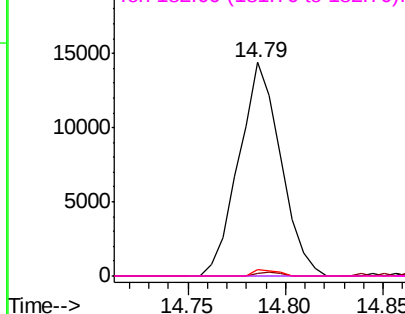


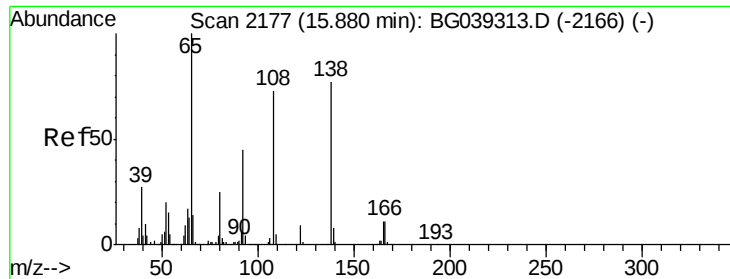
Abundance Ion 165.00 (164.70 to 165.70): E

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

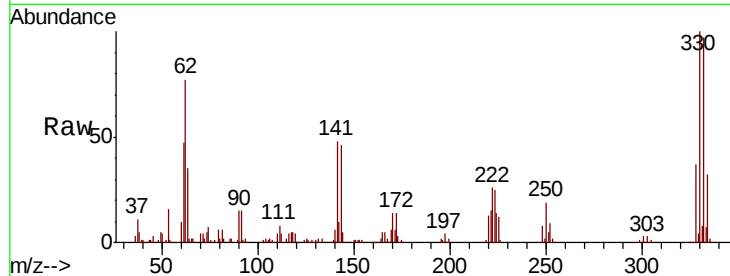




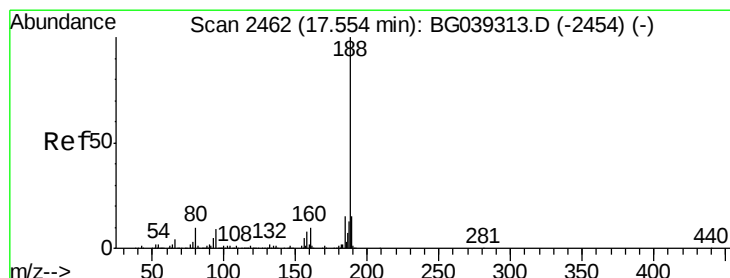
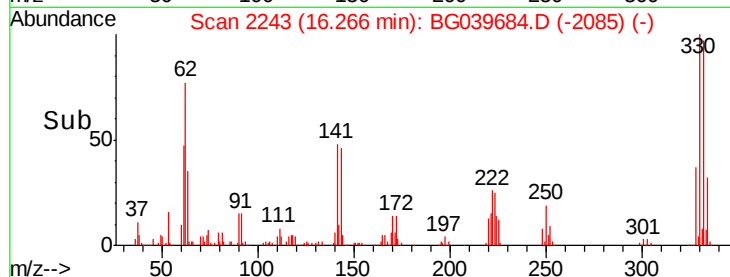
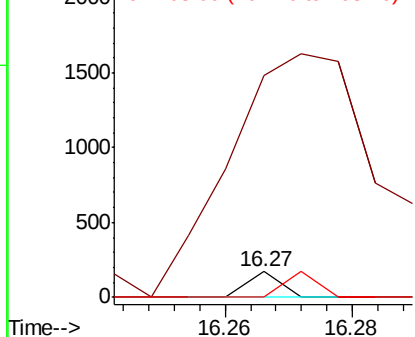
#62
4-Nitroaniline
Concen: 4.223 ng
RT: 16.27 min Scan# 2243
Delta R.T. 0.40 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
92 854.9 38.7 78.7#
108 0.0 74.6 114.6#

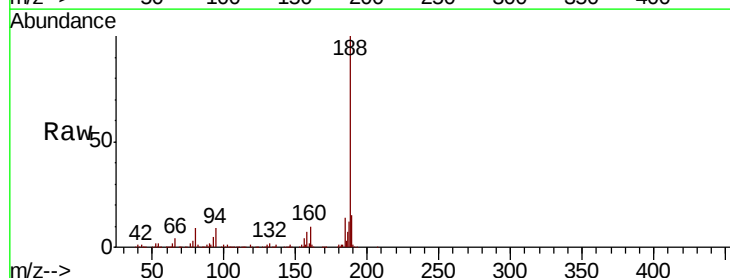


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

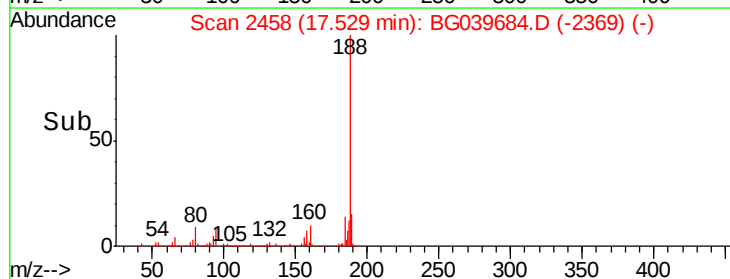
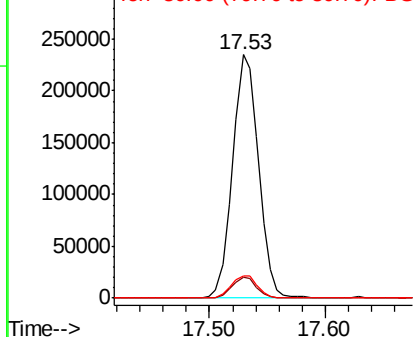


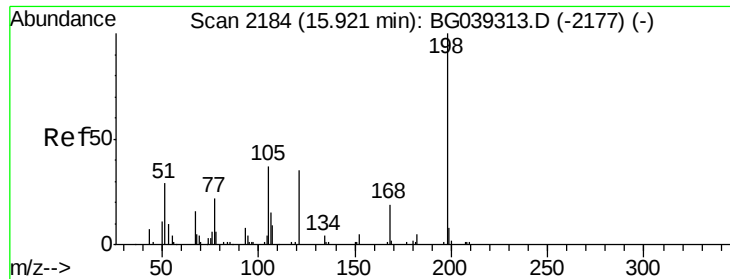
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Tgt Ion:188 Resp: 365242
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.1 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

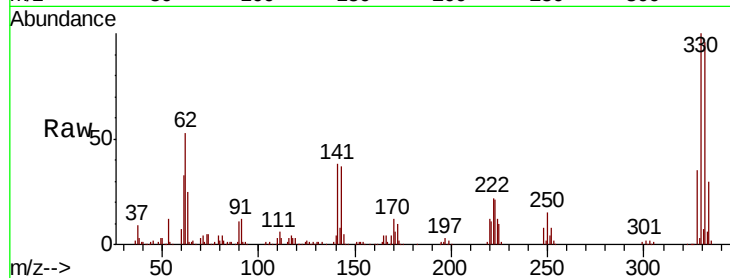




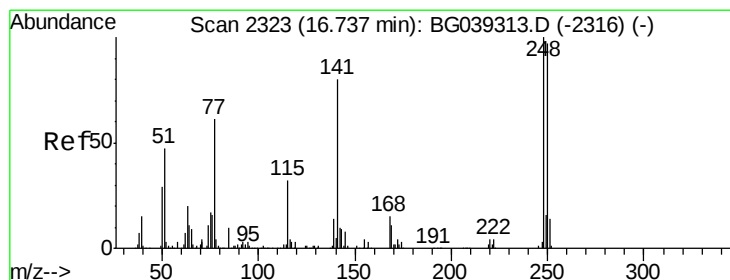
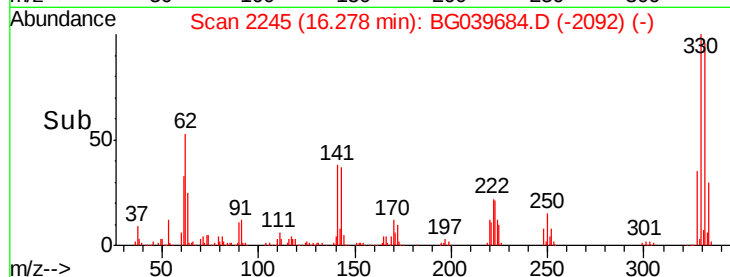
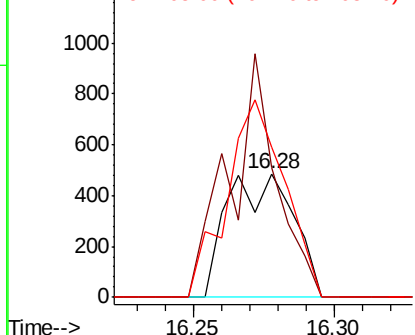
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.866 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.37 min
 Lab File: BG039684.D
 Acq: 1 Mar 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 787
 Ion Ratio Lower Upper
 198 100
 51 104.5 27.4 67.4#
 105 120.9 19.7 59.7#

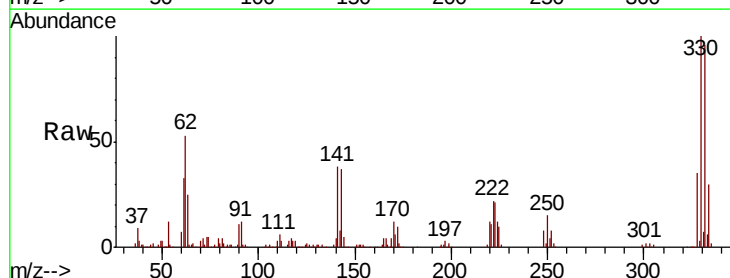


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

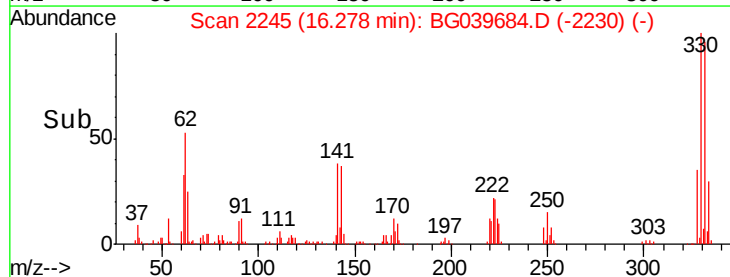
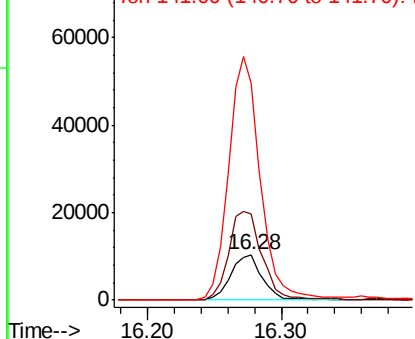


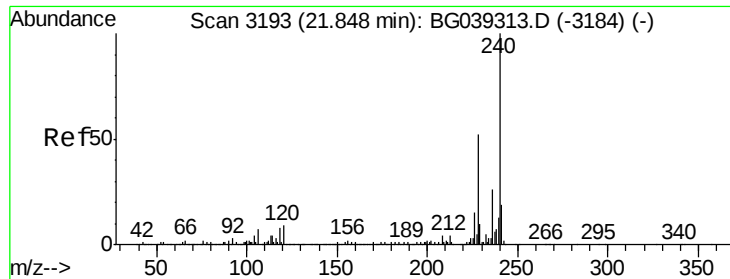
#67
 4-Bromophenyl-phenylether
 Concen: 4.264 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.44 min
 Lab File: BG039684.D
 Acq: 1 Mar 2019 7:31

Tgt Ion:248 Resp: 17279
 Ion Ratio Lower Upper
 248 100
 250 187.5 77.6 116.4#
 141 474.7 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

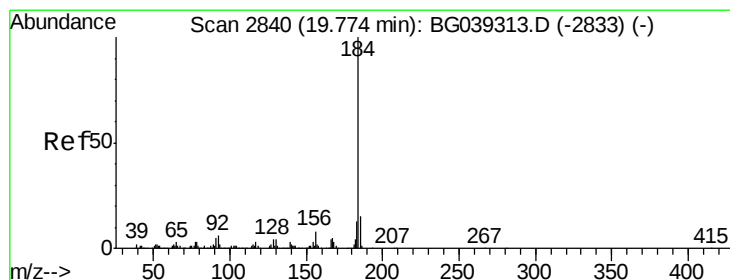
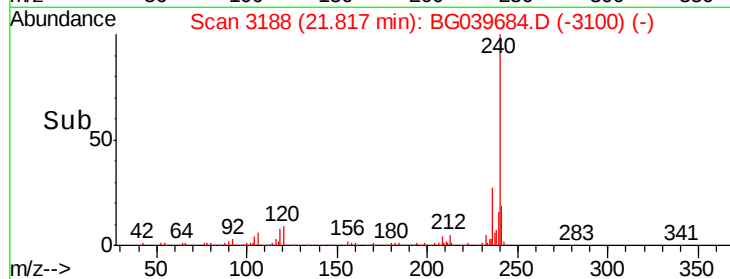
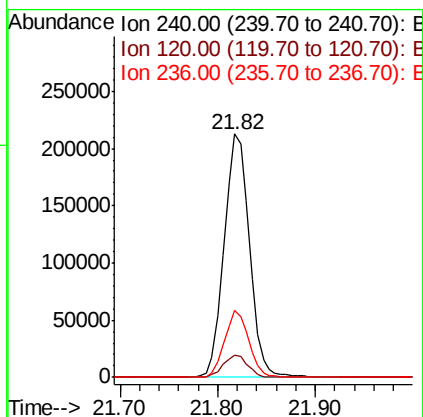
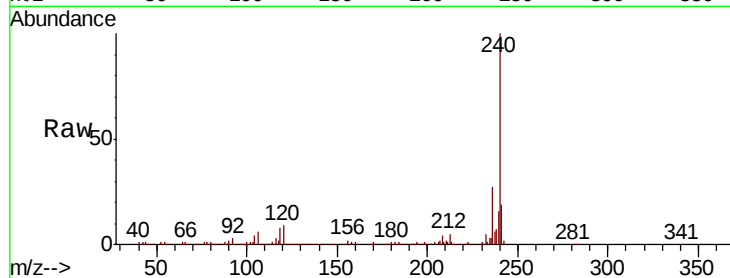




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

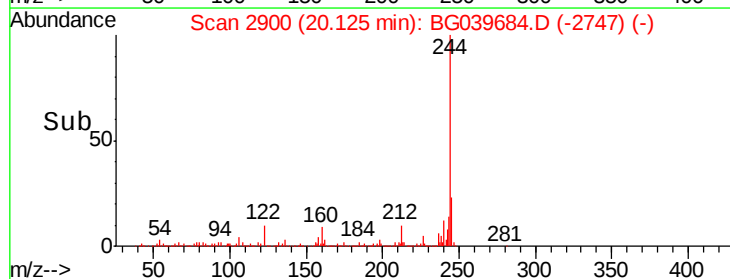
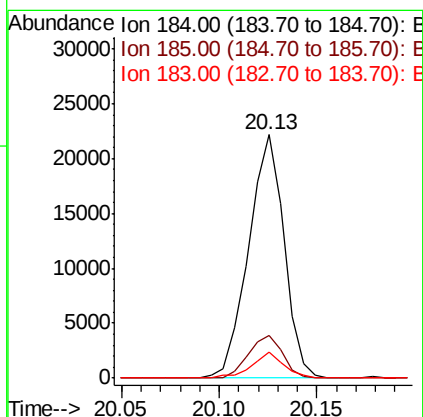
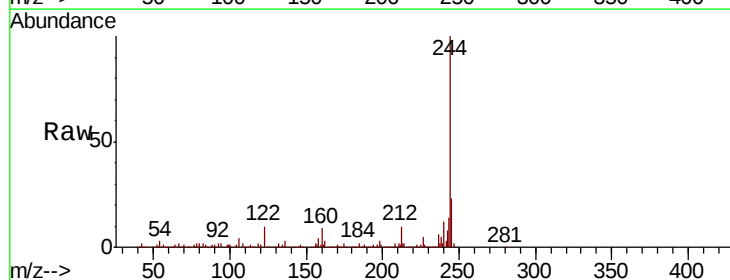
Instrument :
BNA_G
ClientSampled :

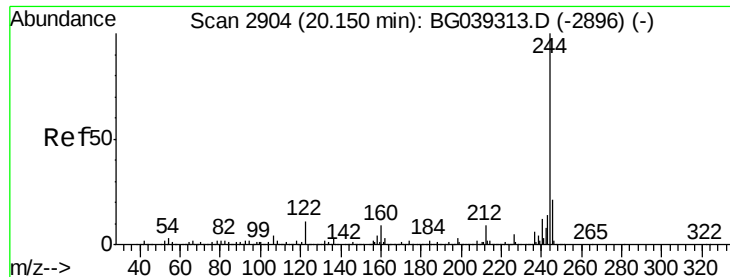
Tot Ion:240 Resp: 383783
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 27.4 21.0 31.4



#77
Benzidine
Concen: 2.213 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039684.D
Acq: 1 Mar 2019 7:31

Tgt Ion:184 Resp: 27844
Ion Ratio Lower Upper
184 100
185 17.4 12.2 18.2
183 10.4 10.6 15.8#

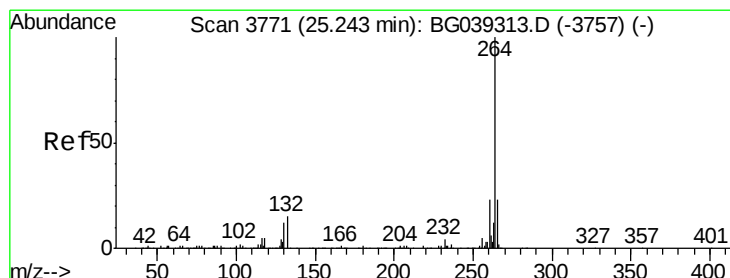
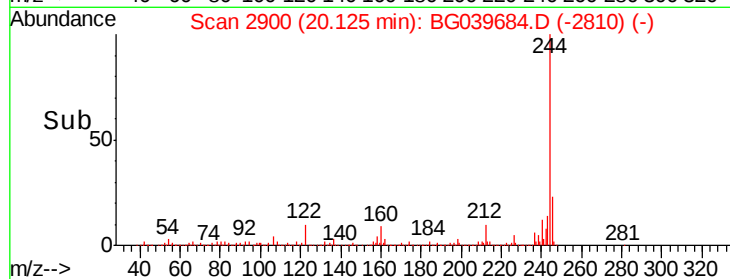
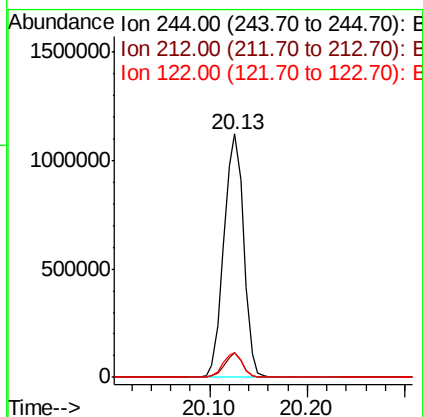
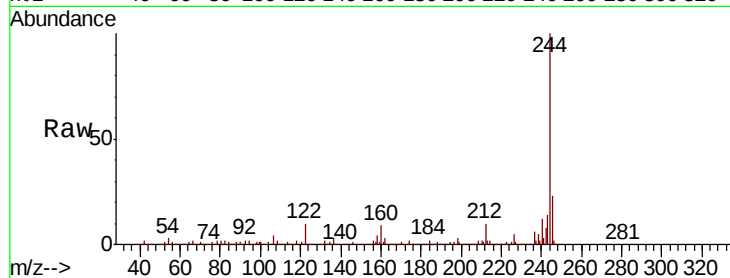




#79
 Terphenyl-d14
 Concen: 87.043 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG039684.D
 Acq: 1 Mar 2019 7:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1578202
 Ion Ratio Lower Upper
 244 100
 212 9.9 7.3 10.9
 122 10.1 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: BG039684.D
 Acq: 1 Mar 2019 7:31

Tgt Ion:264 Resp: 367173
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.4
 265 20.7 18.5 27.7

