

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022519\
 Data File : BG039596.D
 Acq On : 25 Feb 2019 21:09
 Operator : JU/SJ
 Sample : K1597-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 25 21:43:54 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	8.16	152	59312	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	263408	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	176043	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	412209	20.00	ng	-0.02
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.85
87) Perylene-d12	0.00	264	0	0.00	ng	-25.24

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	483868	139.63	ng	0.00
7) Phenol-d6	7.31	99	647953	127.02	ng	0.00
23) Nitrobenzene-d5	9.35	82	451405	107.06	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	179010	94.43	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1034942	84.34	ng	-0.02
79) Terphenyl-d14	0.00	244	0	0.00	ng	

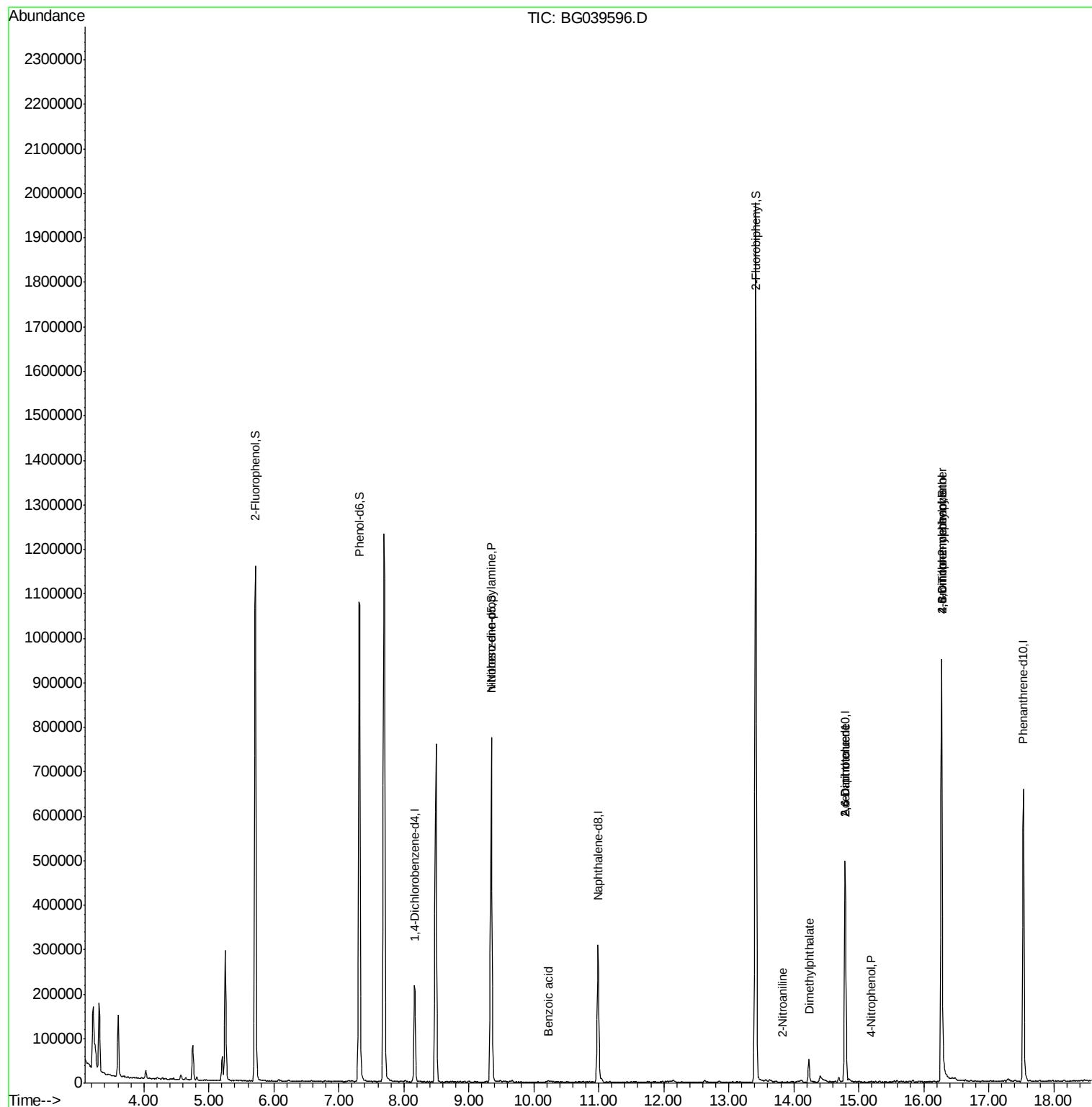
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1188	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	59168	16.342	ng	# 68
32) Benzoic acid	10.22	122	1284	9.442	ng	# 95
48) 2-Nitroaniline	13.83	65	56	8.311	ng	# 10
50) Dimethylphthalate	14.23	163	38958	2.740	ng	# 98
51) 2,6-Dinitrotoluene	14.79	165	22940	14.012	ng	# 25
56) 4-Nitrophenol	15.19	139	307	5.905	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22940	13.466	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	611	4.649	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	13864	3.032	ng	# 1

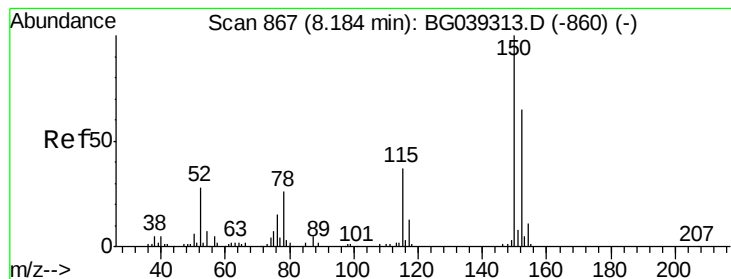
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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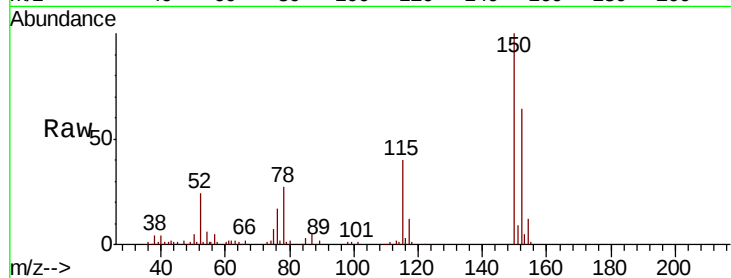




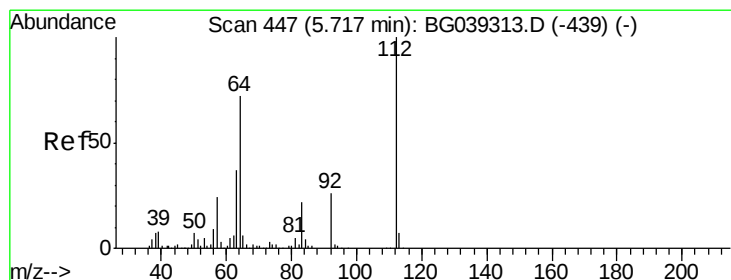
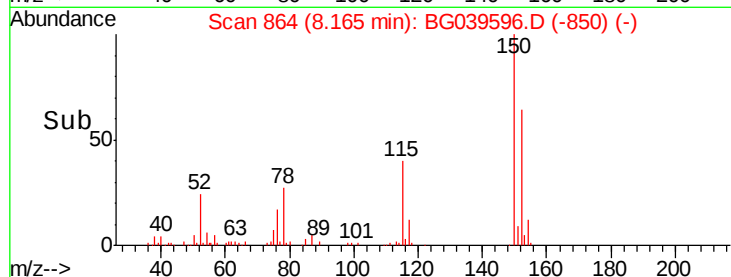
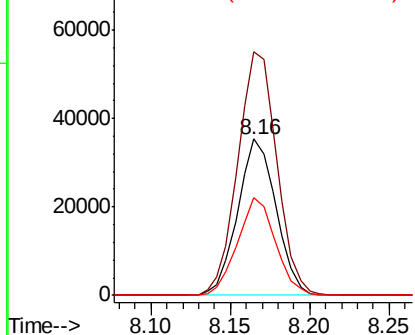
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.16 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:152 Resp: 59312
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.7 185.5
 115 62.1 45.9 68.9

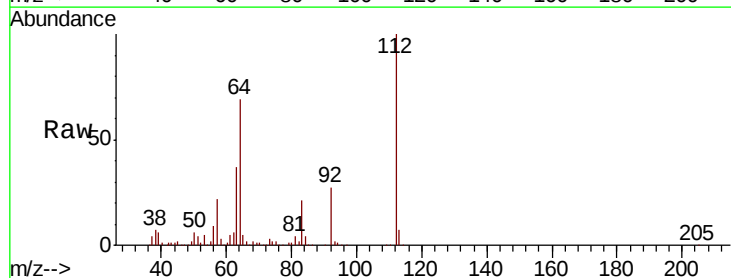


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

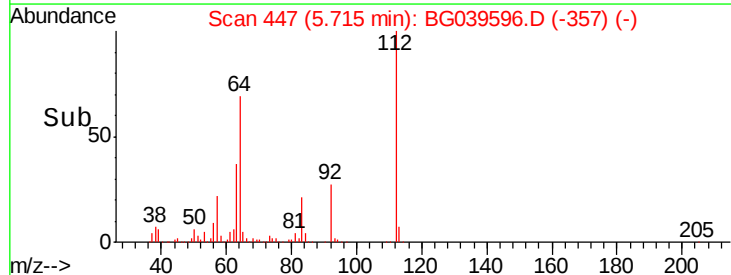
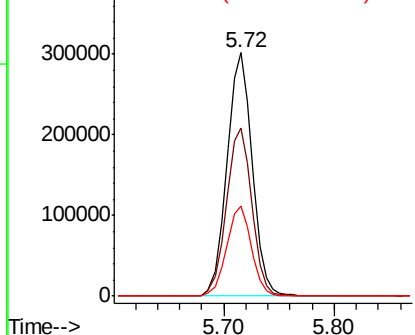


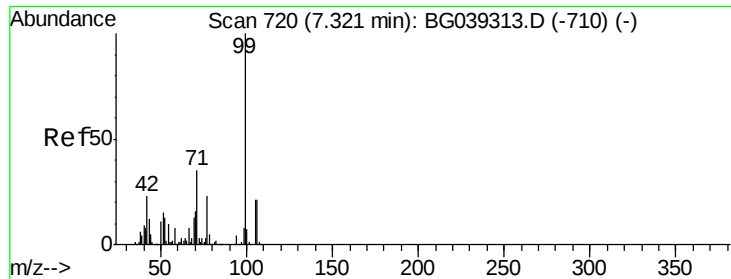
#5
 2-Fluorophenol
 Concen: 139.625 ng
 RT: 5.72 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

Tgt Ion:112 Resp: 483868
 Ion Ratio Lower Upper
 112 100
 64 69.1 57.8 86.8
 63 37.2 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: 127.022 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039596.D

Acq: 25 Feb 2019 21:09

Instrument :

BNA_G

ClientSampleId :

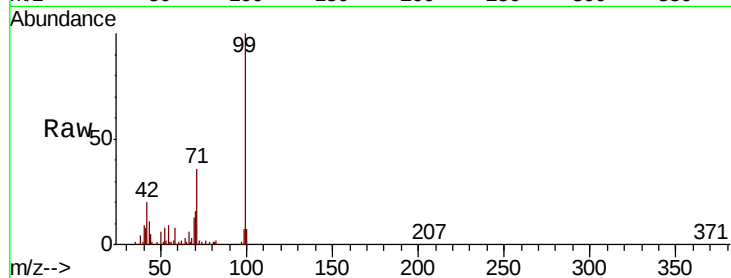
Tgt Ion: 99 Resp: 647953

Ion Ratio Lower Upper

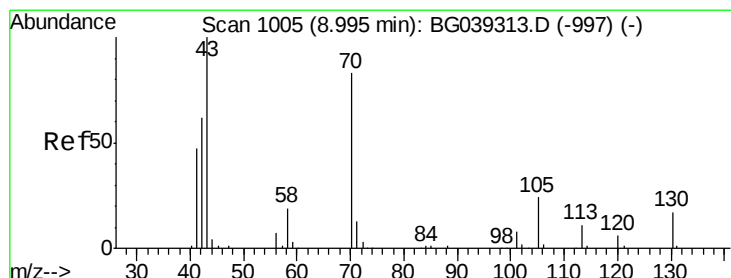
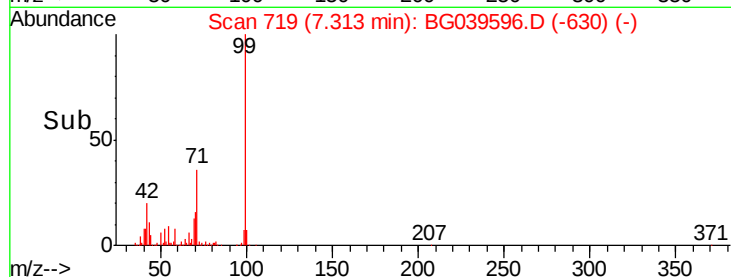
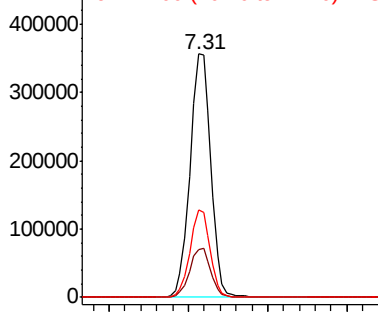
99 100

42 19.8 18.2 27.2

71 36.1 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: 16.342 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039596.D

Acq: 25 Feb 2019 21:09

Tgt Ion: 70 Resp: 59168

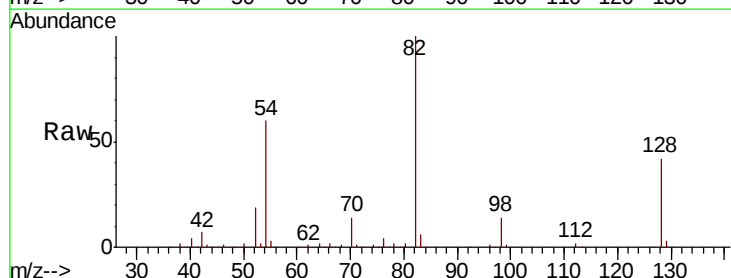
Ion Ratio Lower Upper

70 100

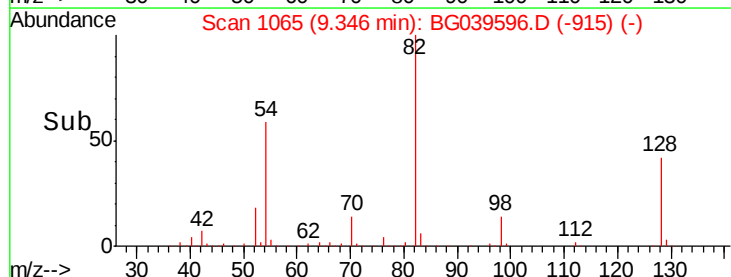
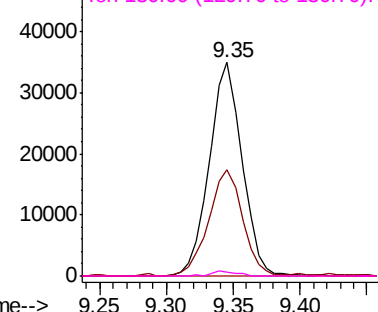
42 49.8 60.4 90.6#

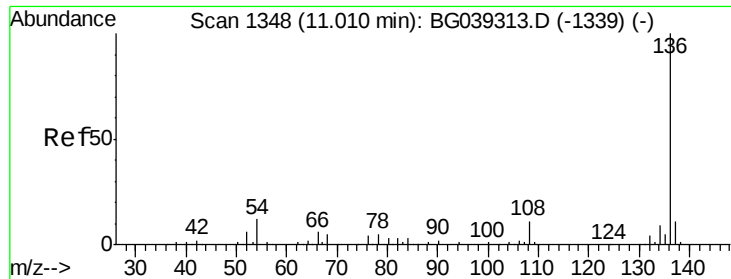
101 0.0 7.5 11.3#

130 1.7 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

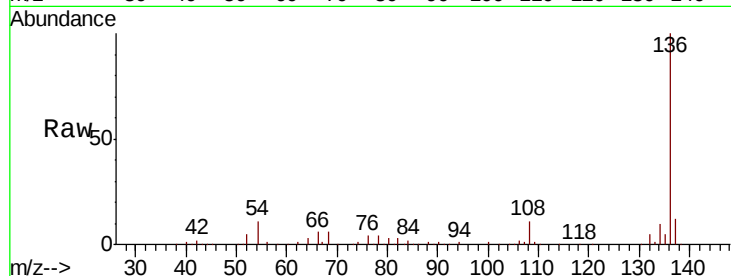




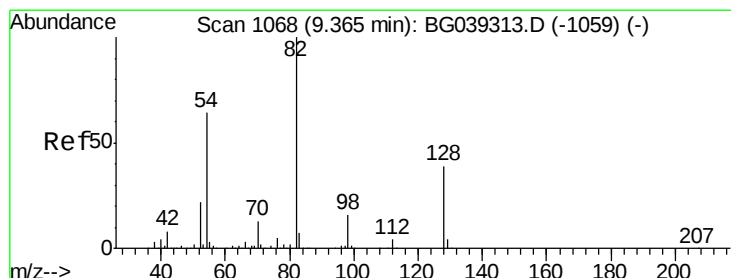
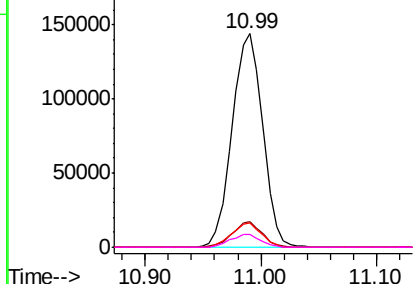
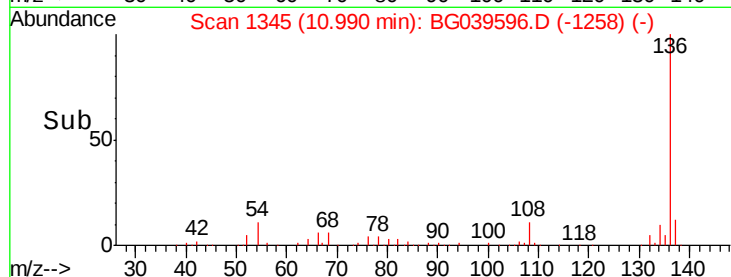
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039596.D
Acq: 25 Feb 2019 21:09

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:	136	Resp:	263408
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	11.3	9.4	14.2
68	6.1	4.2	6.4

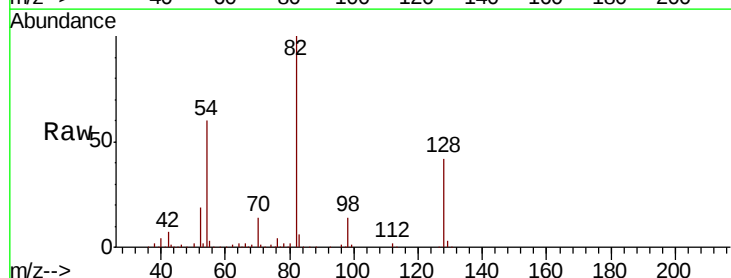


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

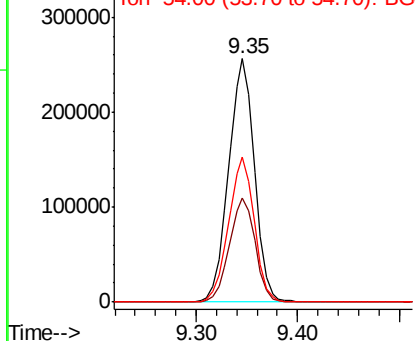
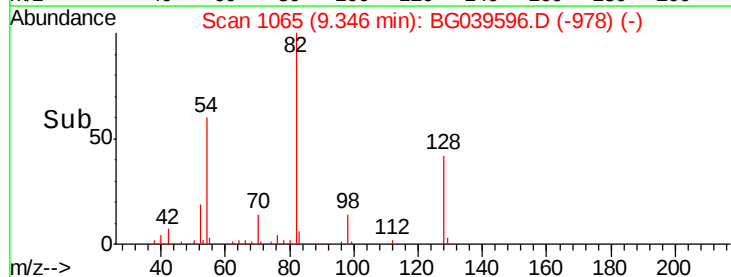


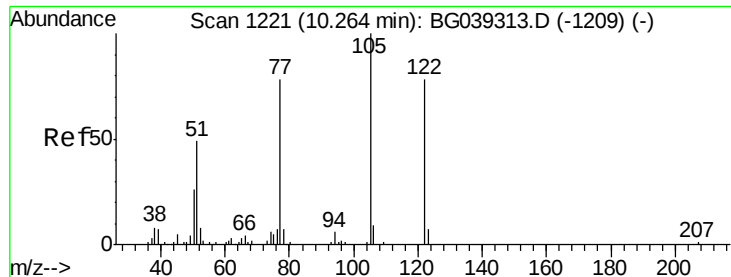
#23
Nitrobenzene-d5
Concen: 107.058 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039596.D
Acq: 25 Feb 2019 21:09

Tgt Ion:	82	Resp:	451405
Ion	Ratio	Lower	Upper
82	100		
128	42.5	31.3	46.9
54	59.6	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

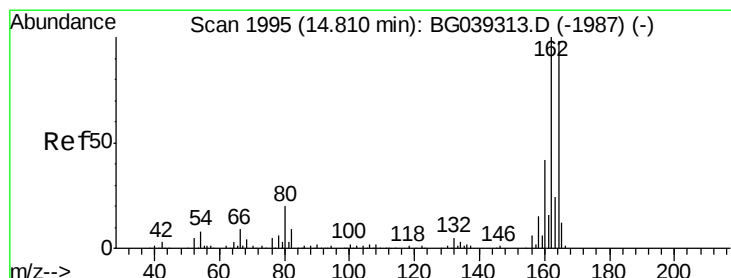
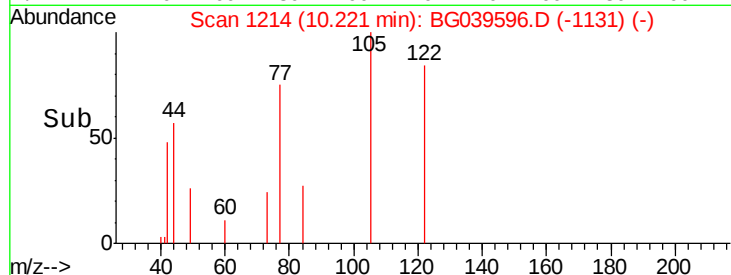
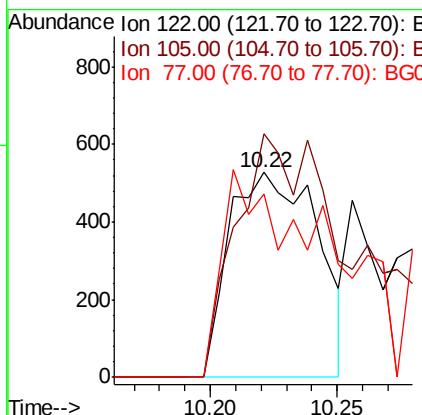
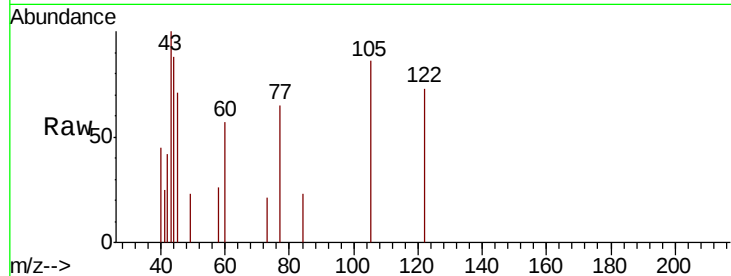




#32
Benzoic acid
Concen: 9.442 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.04 min
Lab File: BG039596.D
Acq: 25 Feb 2019 21:09

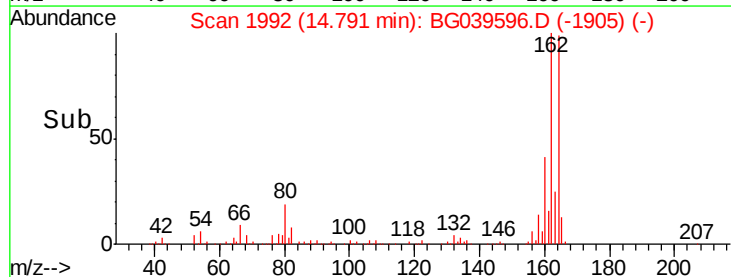
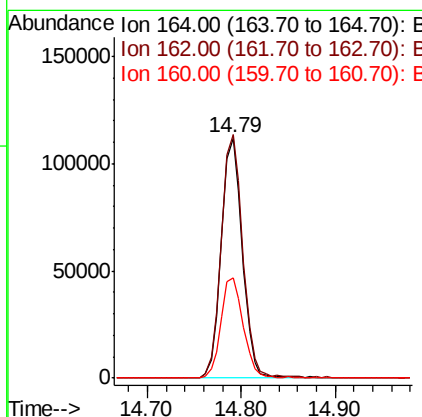
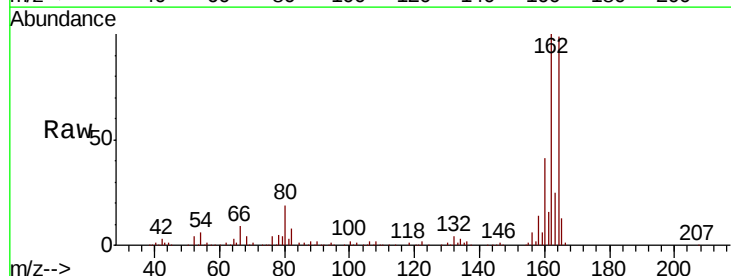
Instrument :
BNA_G
ClientSampled :

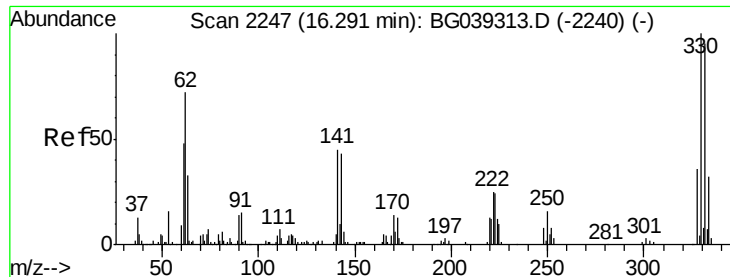
Tgt Ion:122 Resp: 1284
Ion Ratio Lower Upper
122 100
105 118.8 101.8 141.8
77 89.6 76.3 116.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039596.D
Acq: 25 Feb 2019 21:09

Tgt Ion:164 Resp: 176043
Ion Ratio Lower Upper
164 100
162 101.4 81.6 122.4
160 41.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 94.430 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039596.D

Acq: 25 Feb 2019 21:09

Instrument :

BNA_G

ClientSampled :

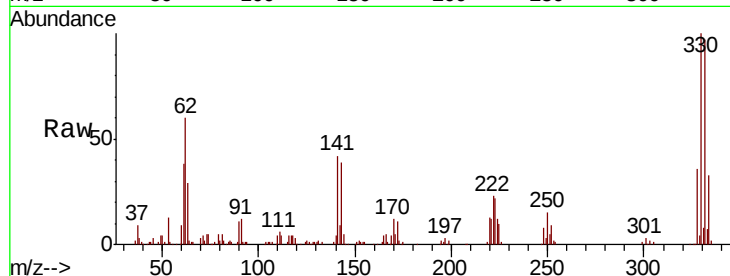
Tgt Ion:330 Resp: 179010

Ion Ratio Lower Upper

330 100

332 94.1 75.7 113.5

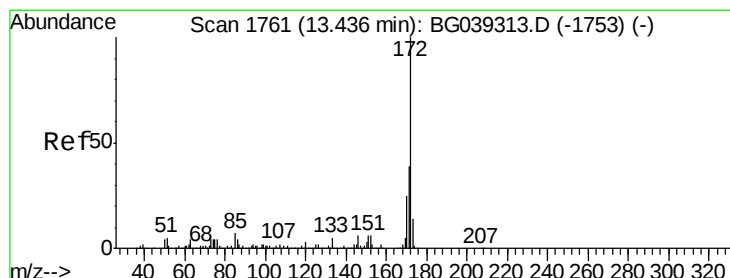
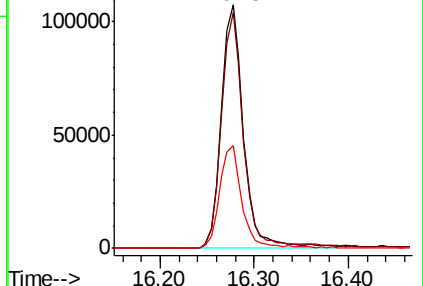
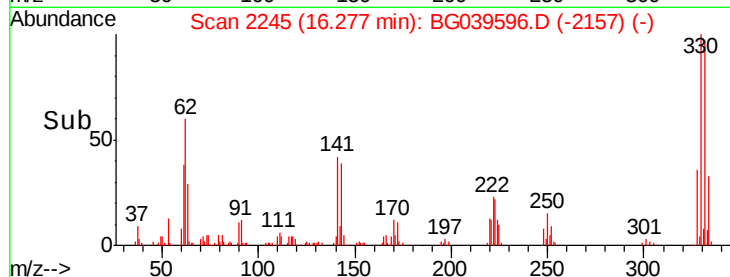
141 41.1 35.6 53.4



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: 84.336 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039596.D

Acq: 25 Feb 2019 21:09

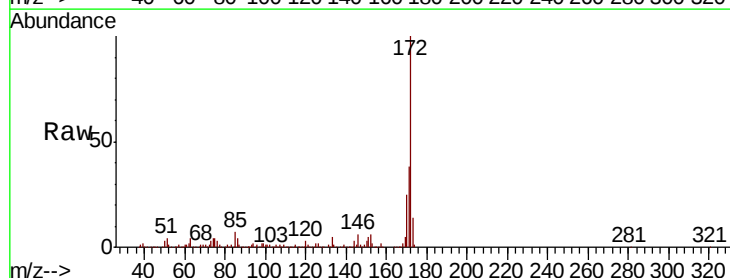
Tgt Ion:172 Resp: 1034942

Ion Ratio Lower Upper

172 100

171 37.7 30.8 46.2

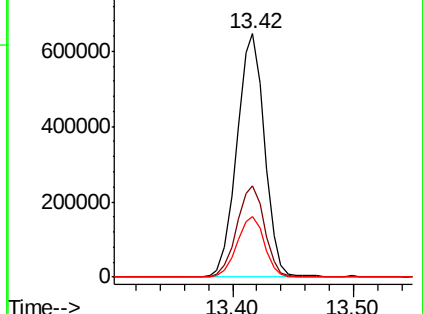
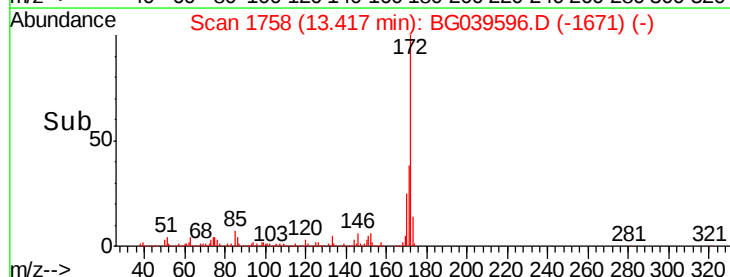
170 25.1 20.2 30.4

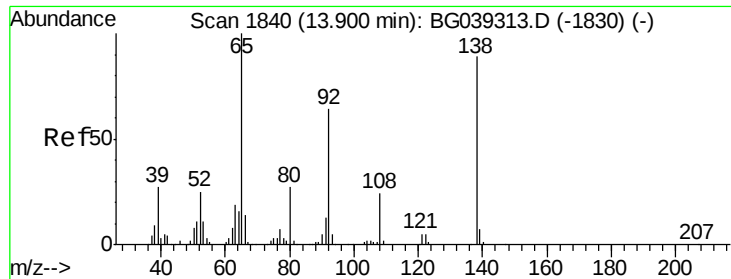


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

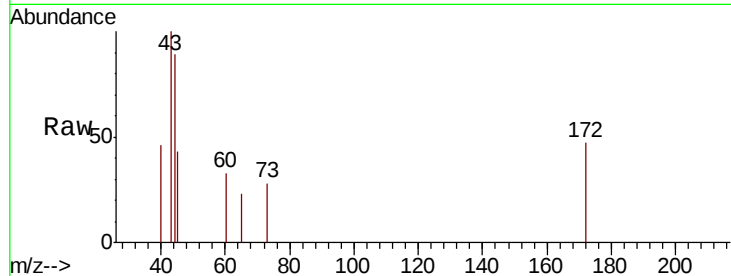




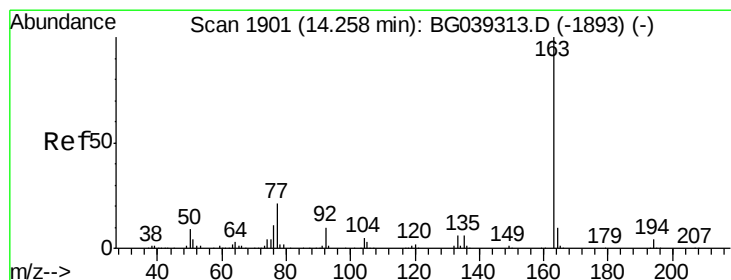
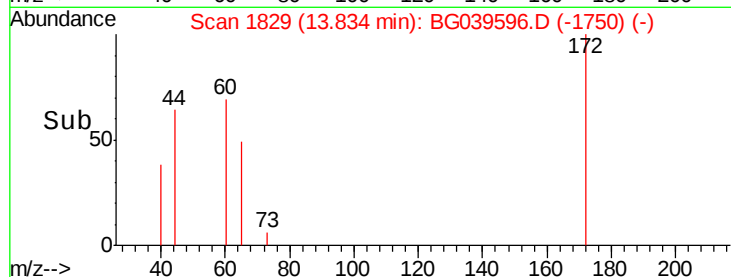
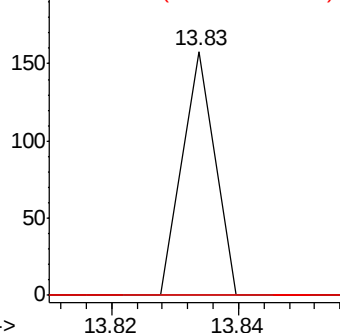
#48
2-Nitroaniline
Concen: 8.311 ng
RT: 13.83 min Scan# 1829
Delta R.T. -0.07 min
Lab File: BG039596.D
Acq: 25 Feb 2019 21:09

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#

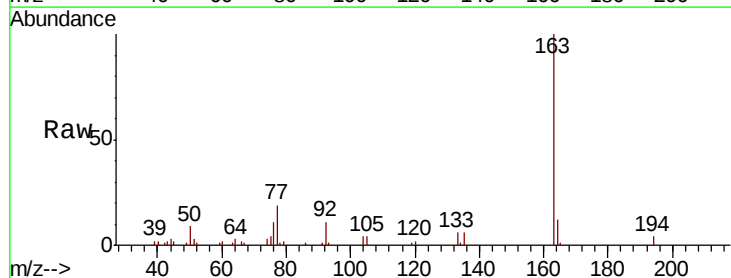


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

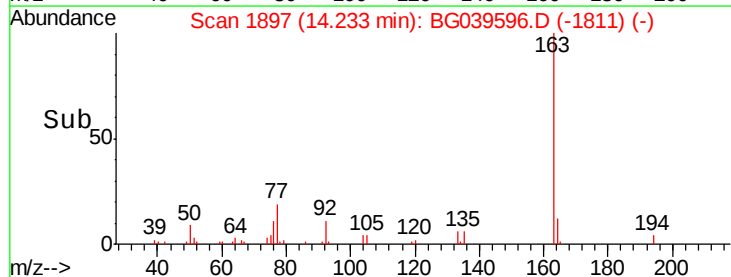
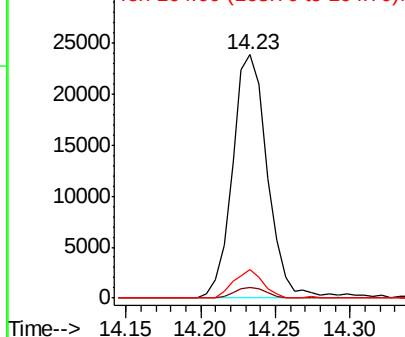


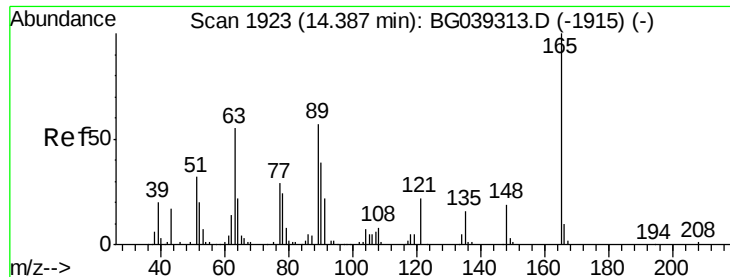
#50
Dimethylphthalate
Concen: 2.740 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039596.D
Acq: 25 Feb 2019 21:09

Tgt Ion: 163 Resp: 38958
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 11.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 14.012 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039596.D

Acq: 25 Feb 2019 21:09

Instrument :

BNA_G

ClientSampleId :

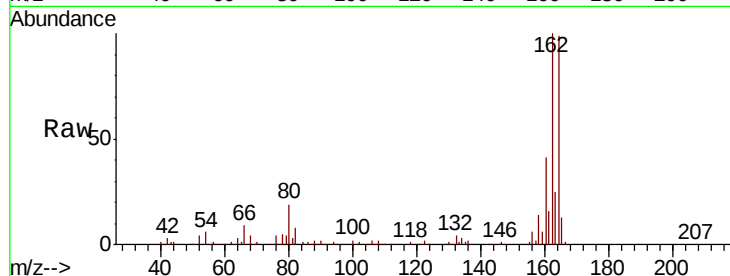
Tgt Ion:165 Resp: 22940

Ion Ratio Lower Upper

165 100

63 1.2 47.0 70.6#

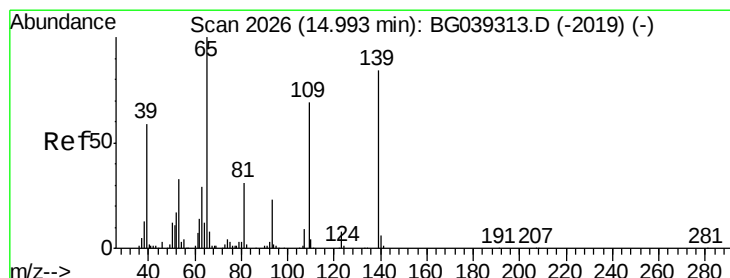
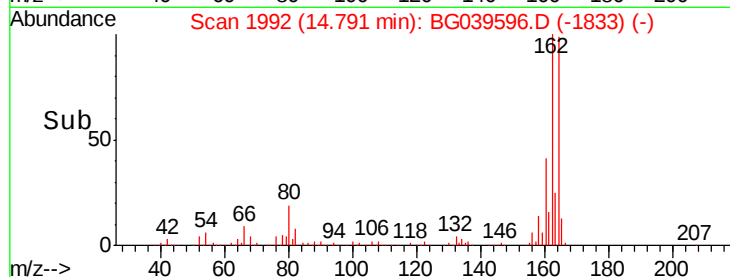
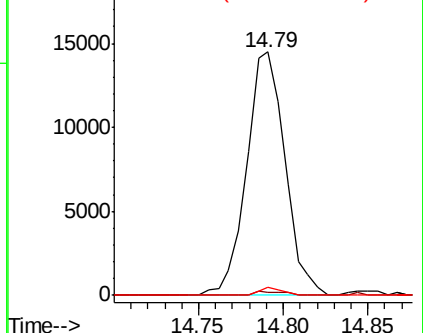
89 3.2 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#56

4-Nitrophenol

Concen: 5.905 ng

RT: 15.19 min Scan# 2060

Delta R.T. 0.20 min

Lab File: BG039596.D

Acq: 25 Feb 2019 21:09

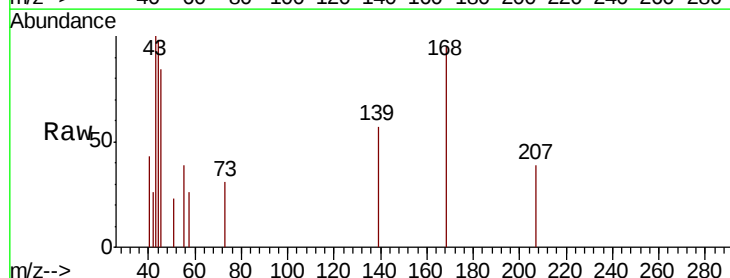
Tgt Ion:139 Resp: 307

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

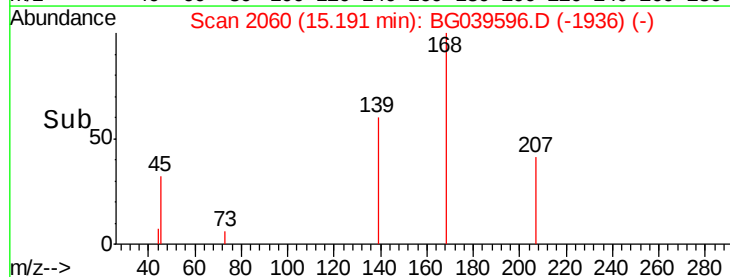
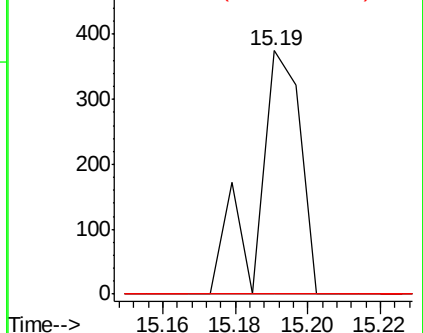
65 0.0 99.1 139.1#

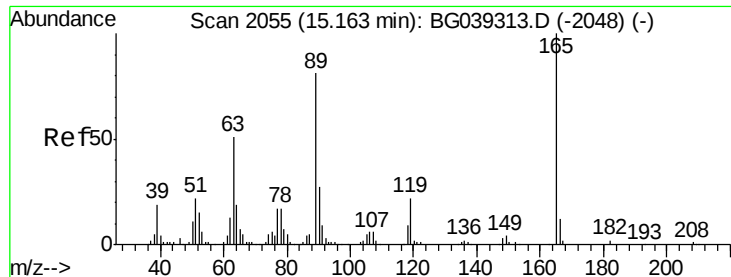


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

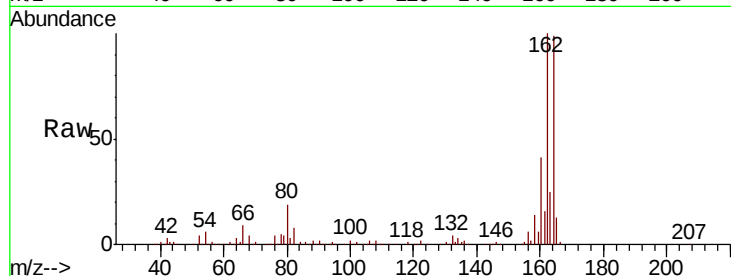




#57
 2,4-Dinitrotoluene
 Concen: 13.466 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	41.0	61.6#
89	3.2	64.6	96.8#
182	0.0	2.0	3.0#

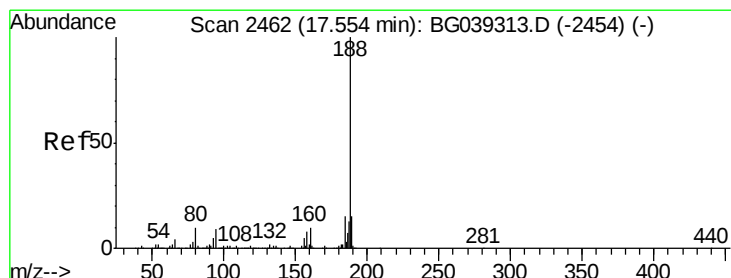
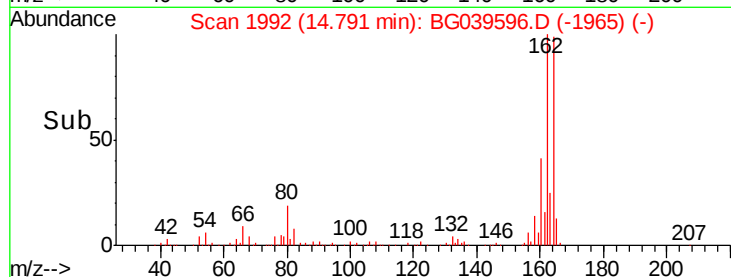
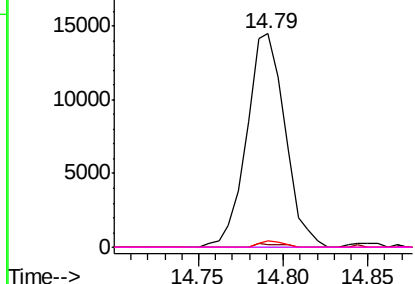


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

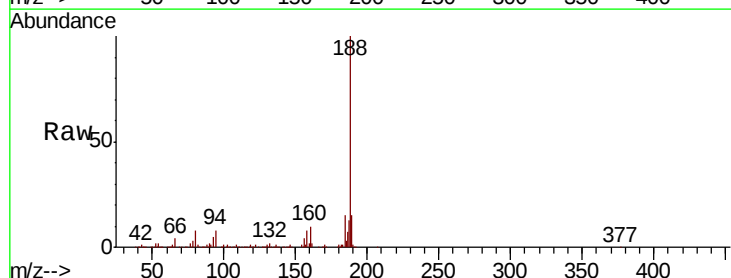
Ion 89.00 (88.70 to 89.70): BGC

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. -0.02 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

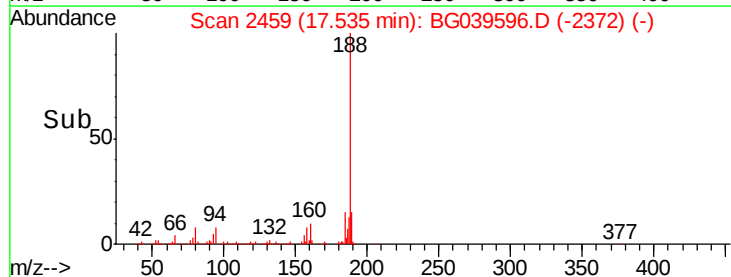
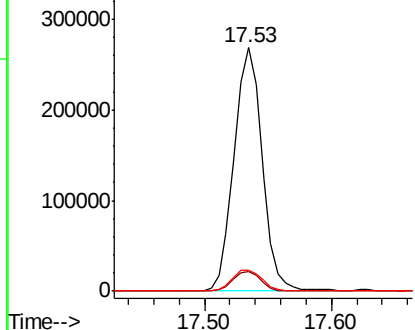
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.4	8.1	12.1

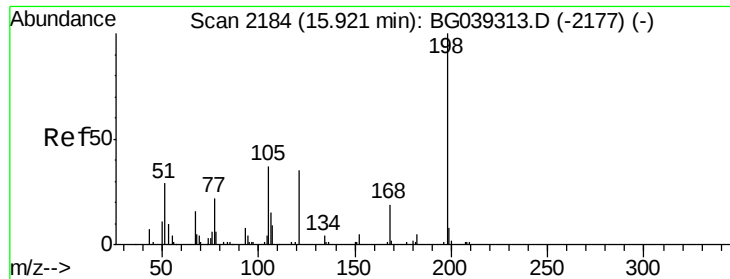


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

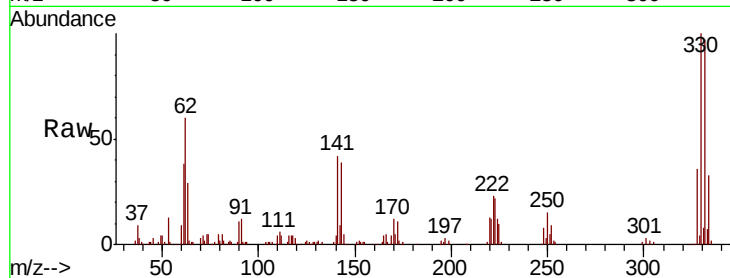




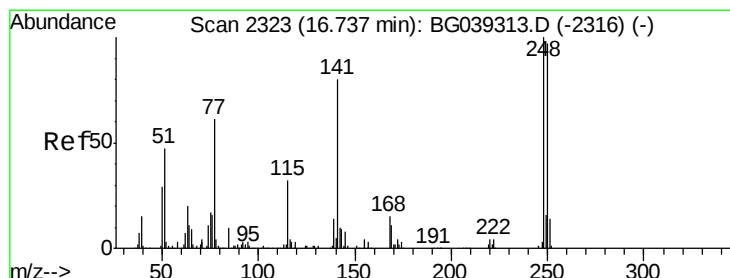
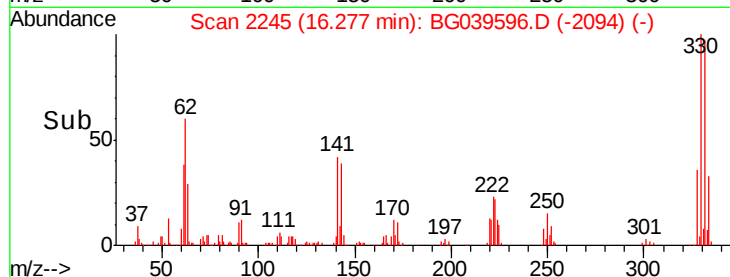
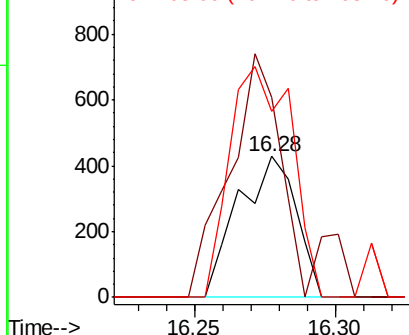
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.649 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion:198 Resp: 611
 Ion Ratio Lower Upper
 198 100
 51 142.0 27.4 67.4#
 105 131.7 19.7 59.7#

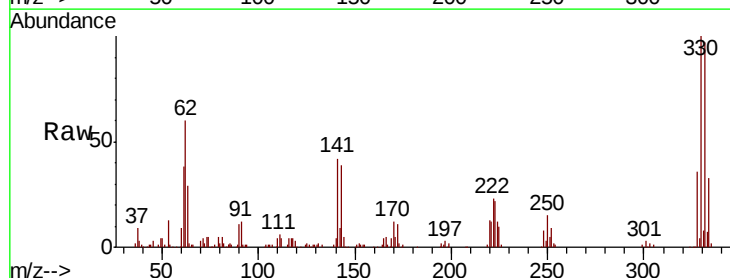


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

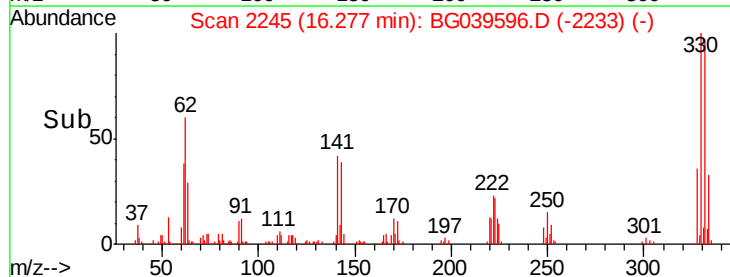
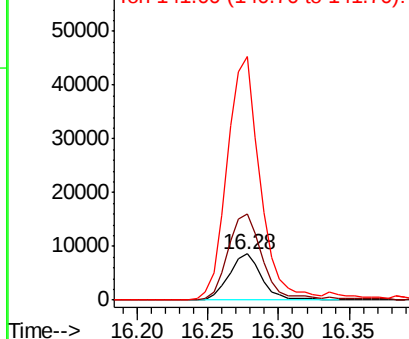


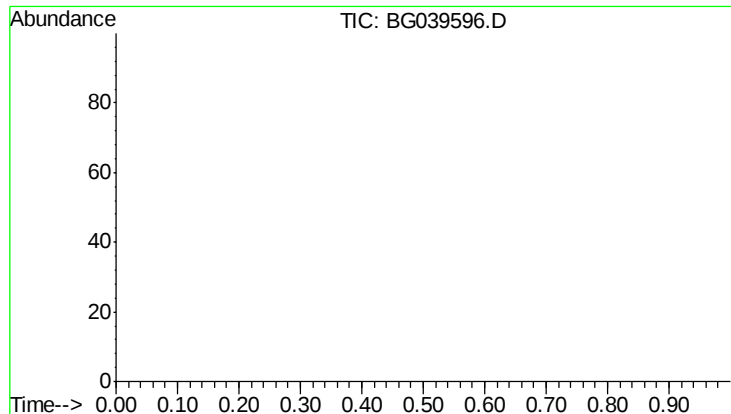
#67
 4-Bromophenyl-phenylether
 Concen: 3.032 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

Tgt Ion:248 Resp: 13864
 Ion Ratio Lower Upper
 248 100
 250 185.6 77.6 116.4#
 141 526.9 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

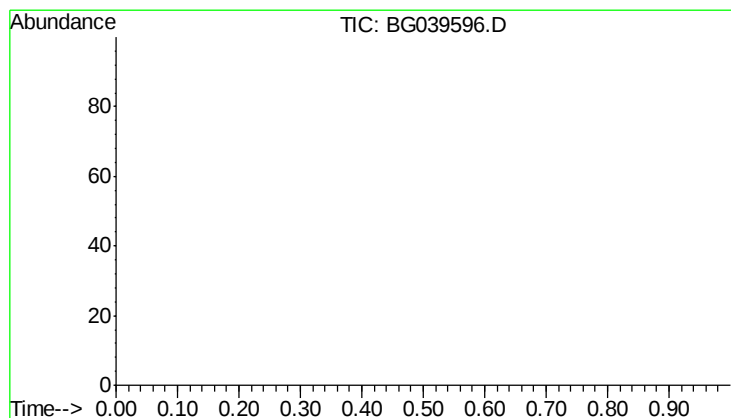
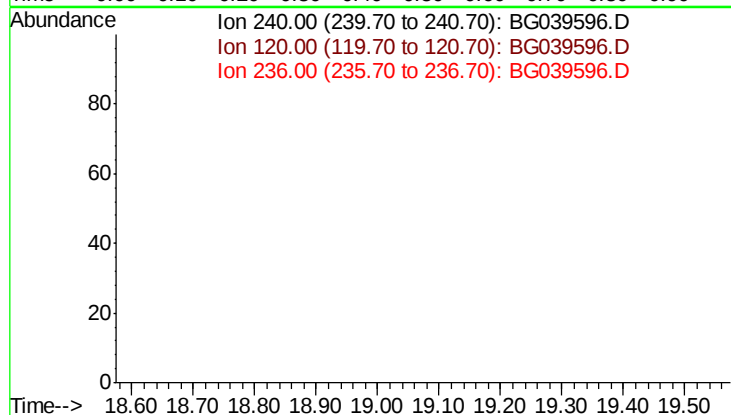




#76
 Chrysene-d12
 Concen: 0.000 ng
 Expected RT: 21.85 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

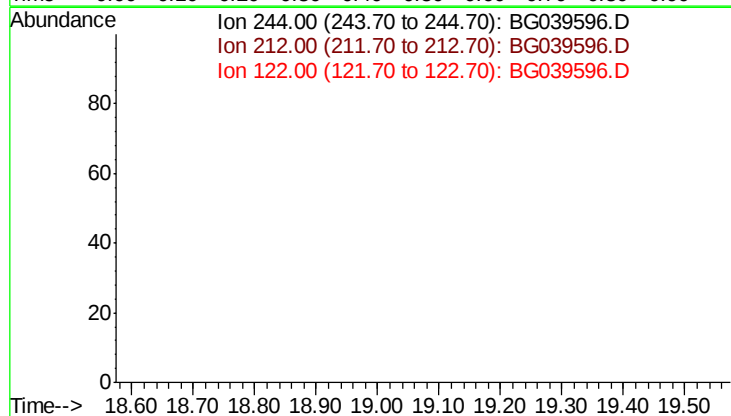
Instrument :
 BNA_G
 ClientSampleId :

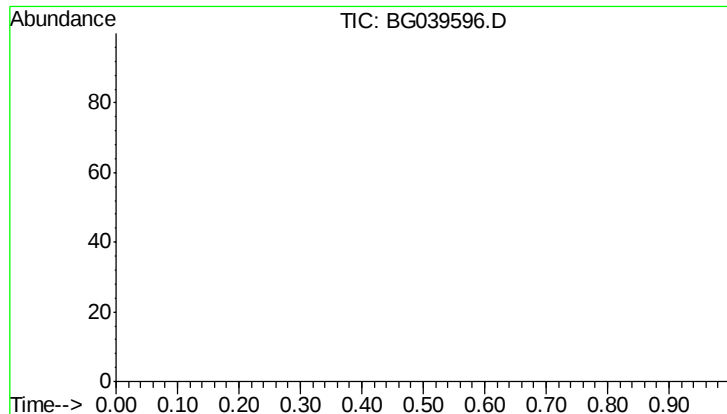
Tgt Ion: 240
 Sig Exp Ratio
 240 100
 120 8.8
 236 26.2



#79
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 20.15 min
 Lab File: BG039596.D
 Acq: 25 Feb 2019 21:09

Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 9.1
 122 10.5





#87
Perylene-d12
Concen: 0.000 ng
Expected RT: 25.24 min

Lab File: BG039596.D
Acq: 25 Feb 2019 21:09

Instrument :
BNA_G
ClientSampleId :

Tgt	Ion	
	264	
Sig		Exp Ratio
264		100
260		22.8
265		23.1

