

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040103.D
 Acq On : 23 Mar 2019 5:33
 Operator : JU/SJ
 Sample : K2033-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 06:47:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

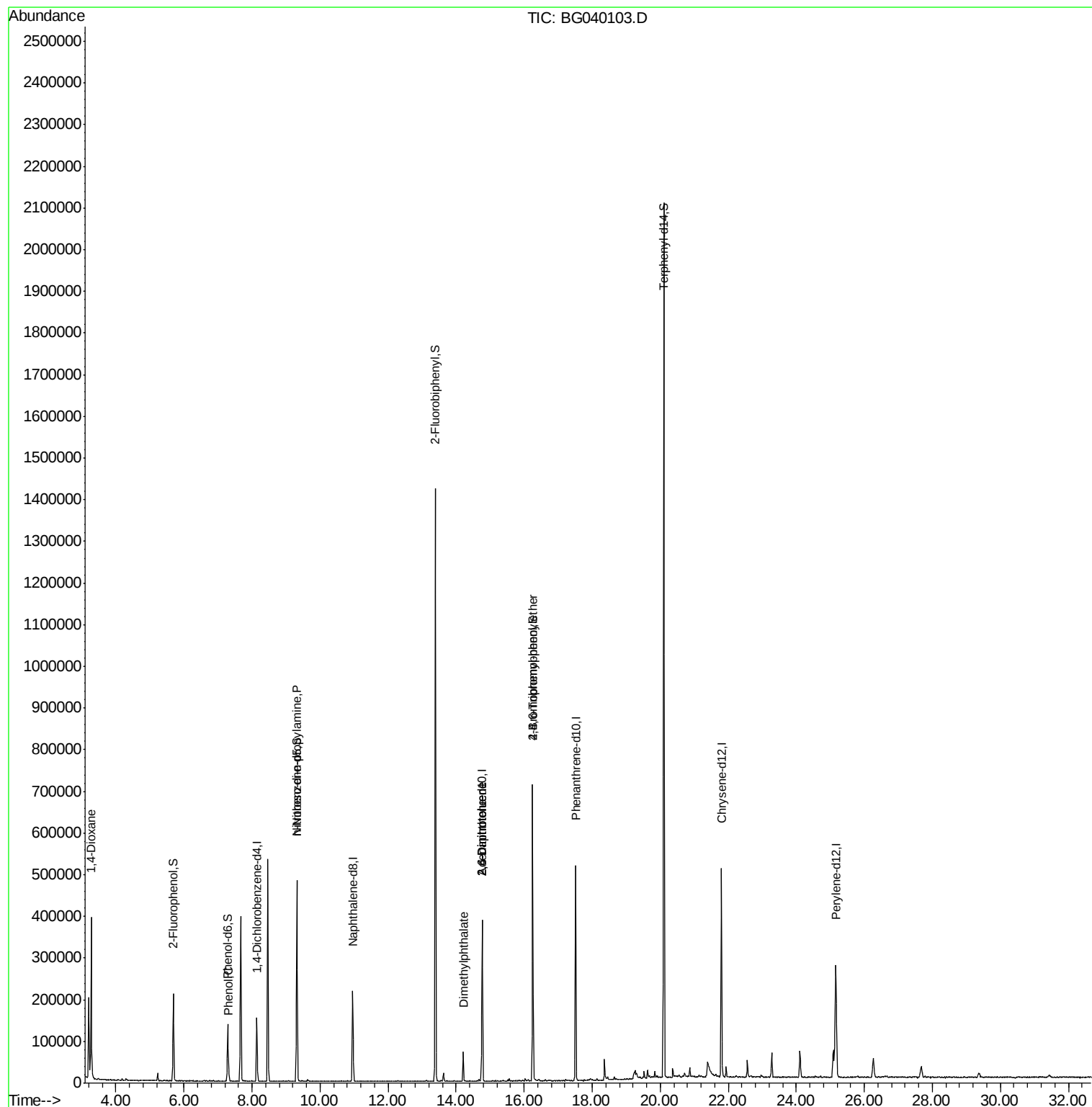
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43008	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	192636	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	139091	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	326306	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	313041	20.00	ng	-0.03
87) Perylene-d12	25.16	264	321065	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	92720	36.78	ng	-0.02
7) Phenol-d6	7.29	99	83282	22.16	ng	-0.03
23) Nitrobenzene-d5	9.32	82	288437	80.98	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	128855	79.48	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	745822	76.35	ng	-0.03
79) Terphenyl-d14	20.11	244	976550	68.69	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.26	88	3800	3.265	ng	Qvalue # 1
10) Phenol	7.31	94	11490	2.822	ng	96
19) n-Nitroso-di-n-propylamine	9.32	70	37612	13.902	ng	# 66
50) Dimethylphthalate	14.21	163	50835	4.371	ng	99
51) 2,6-Dinitrotoluene	14.77	165	17763	7.204	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	17763	5.127	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	9798	2.683	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: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

Instrument :

BNA_G

ClientSampleId :

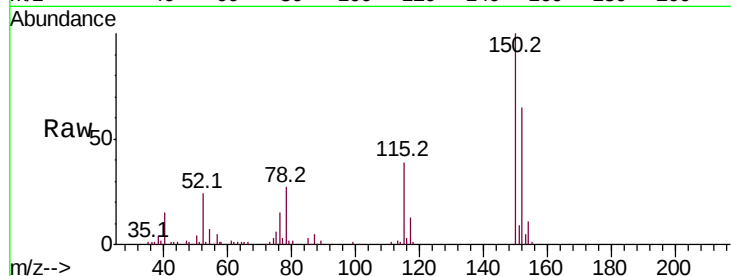
Tot Ion:152 Resp: 43008

Ion Ratio Lower Upper

152 100

150 154.5 123.7 185.5

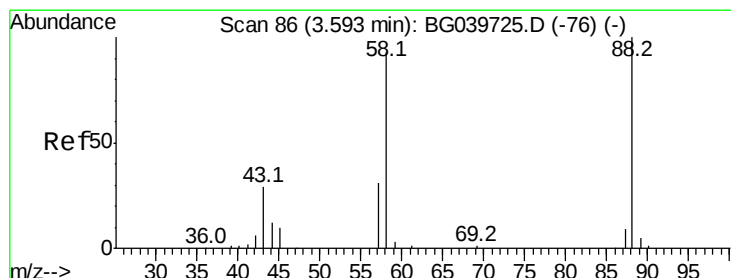
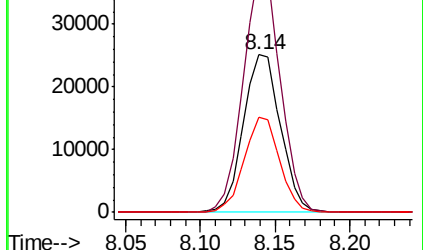
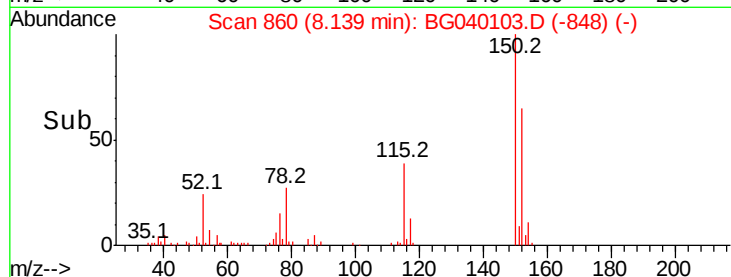
115 60.5 45.9 68.9



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



#2

1,4-Dioxane

Concen: 3.265 ng

RT: 3.26 min Scan# 30

Delta R.T. -0.34 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

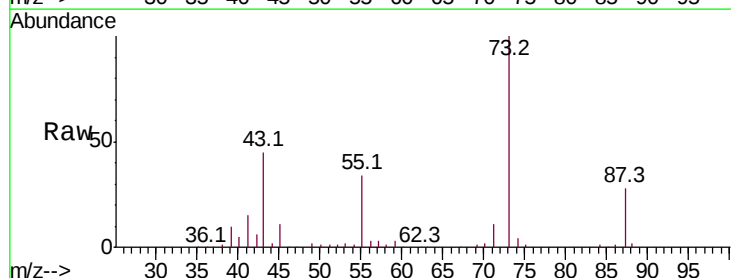
Tgt Ion: 88 Resp: 3800

Ion Ratio Lower Upper

88 100

58 34.1 81.1 121.7#

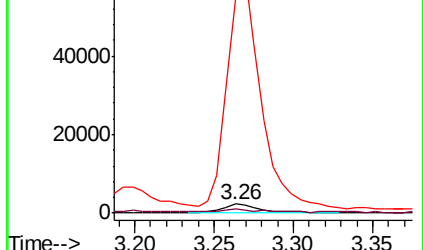
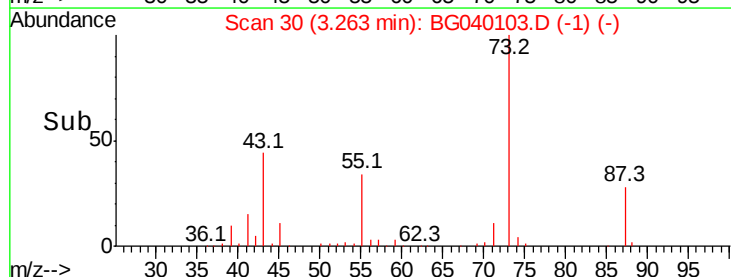
43 2273.6 31.4 47.0#

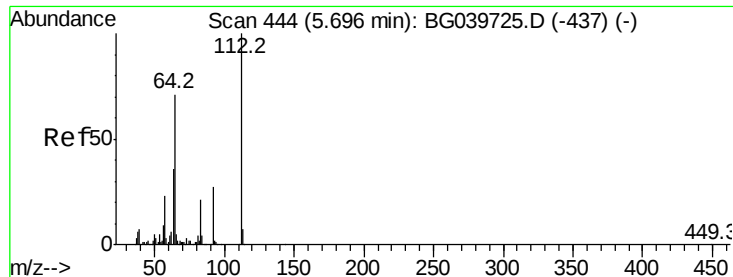


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 36.779 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

Instrument :

BNA_G

ClientSampleId :

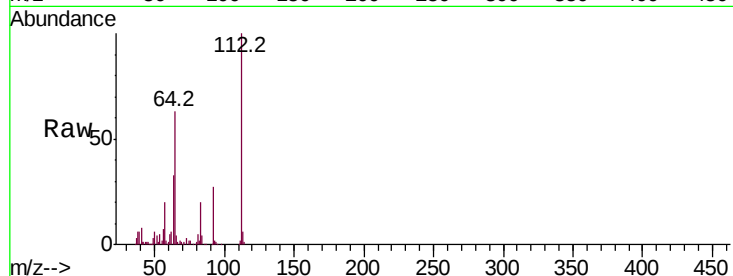
Tot Ion:112 Resp: 92720

Ion Ratio Lower Upper

112 100

64 63.0 57.8 86.8

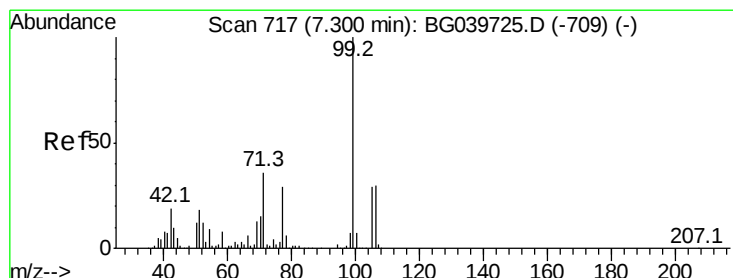
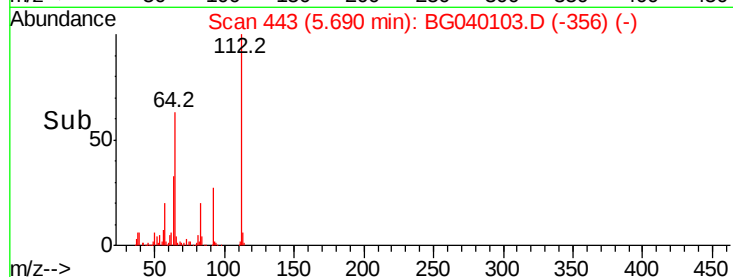
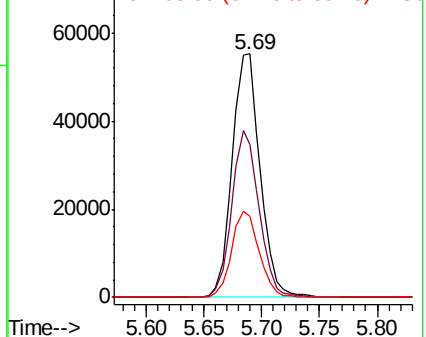
63 33.3 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 22.156 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

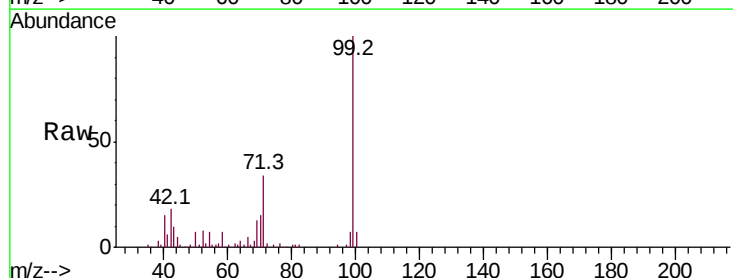
Tgt Ion: 99 Resp: 83282

Ion Ratio Lower Upper

99 100

42 18.4 18.2 27.2

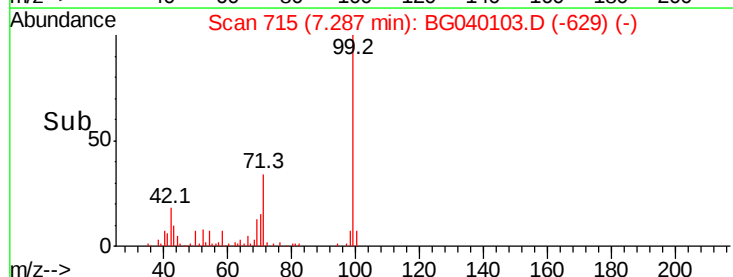
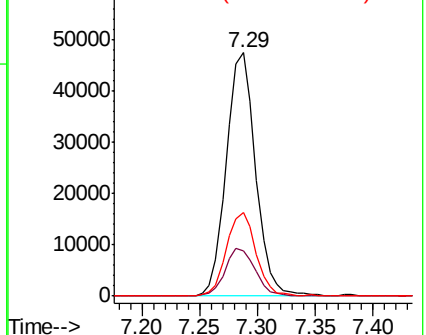
71 34.1 28.0 42.0

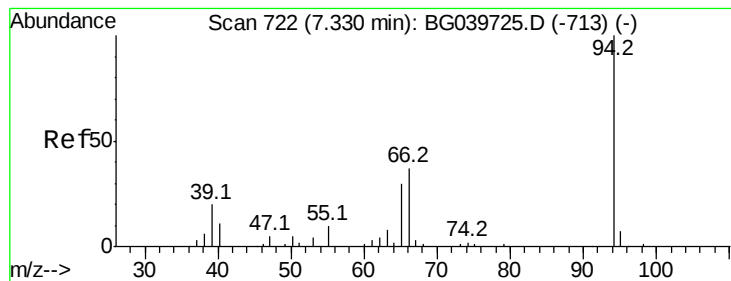


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.822 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.03 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

Instrument :

BNA_G

ClientSampled :

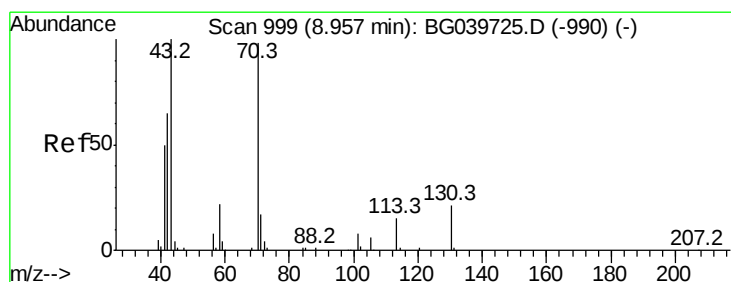
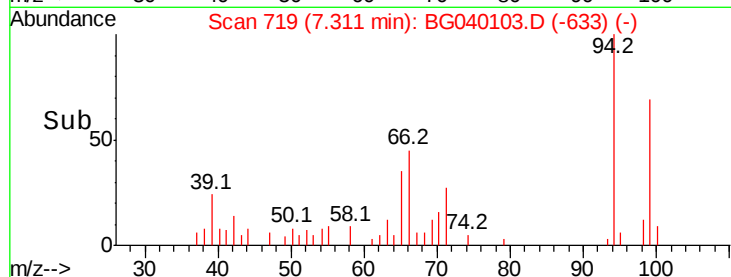
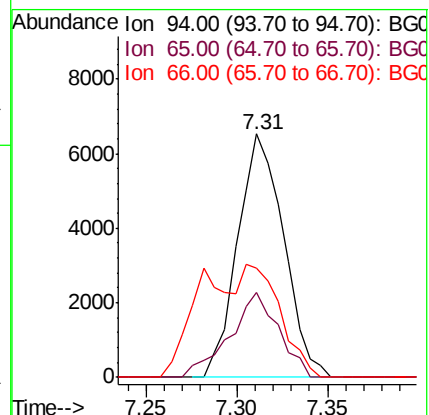
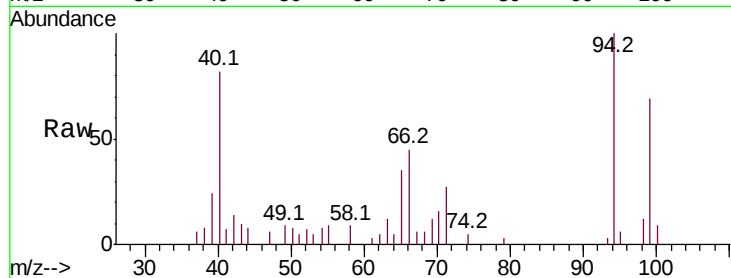
Tot Ion: 94 Resp: 11490

Ion Ratio Lower Upper

94 100

65 35.1 11.7 51.7

66 44.8 23.7 63.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.902 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

Tgt Ion: 70 Resp: 37612

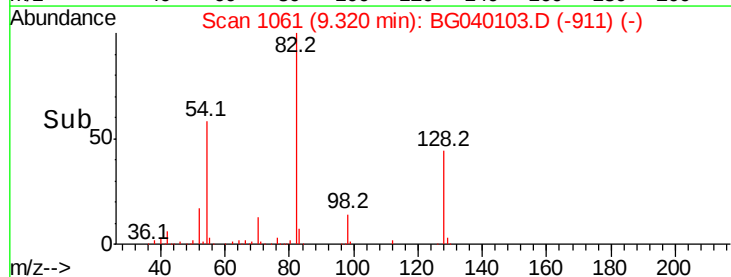
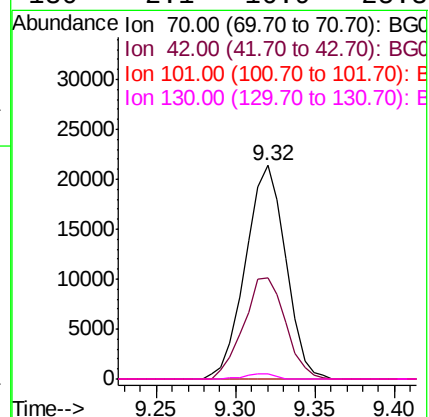
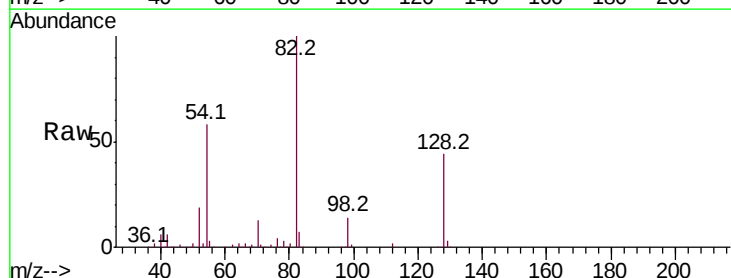
Ion Ratio Lower Upper

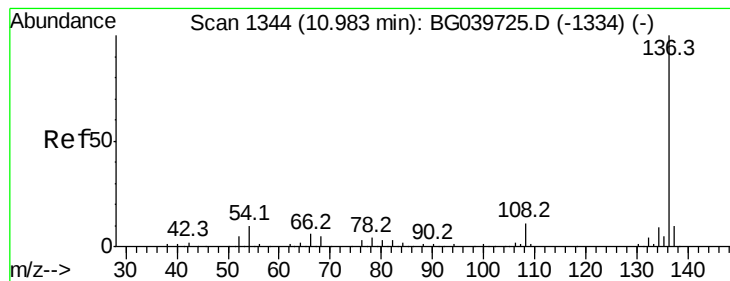
70 100

42 47.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#

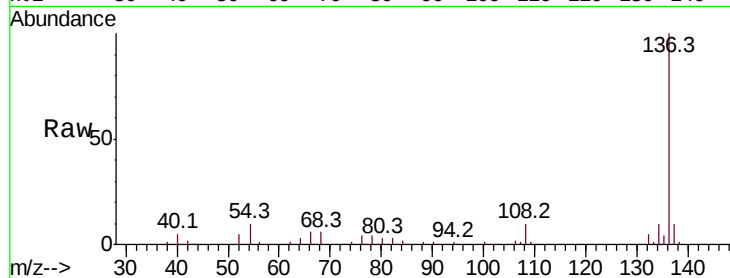




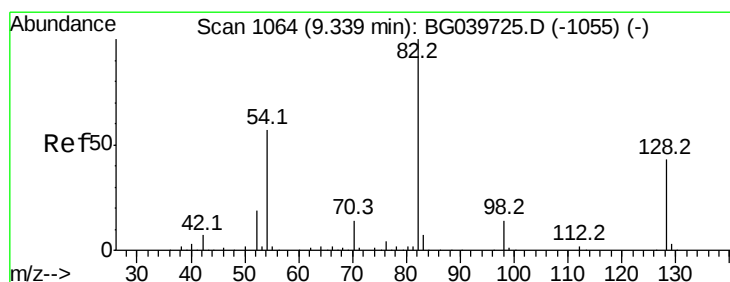
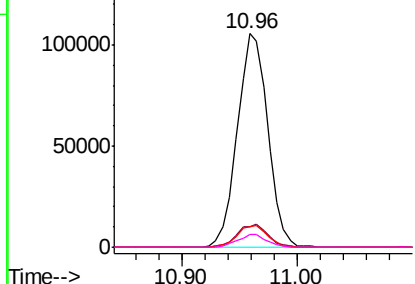
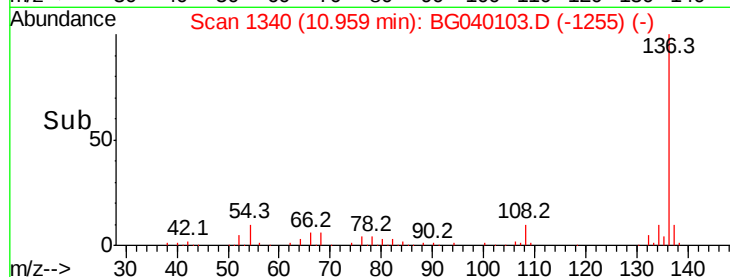
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040103.D
Acq: 23 Mar 2019 5:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	192636
Ion Ratio	Lower	Upper
136	100	
137	9.7	9.1 13.7
54	9.8	9.4 14.2
68	5.8	4.2 6.4

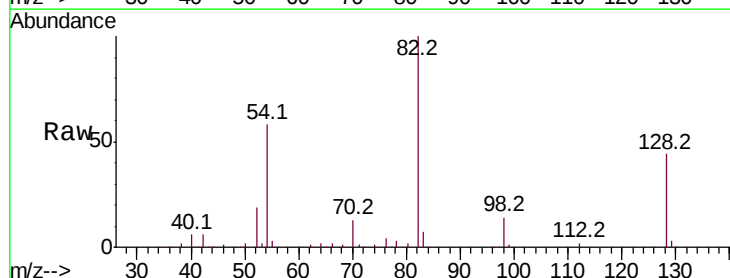


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

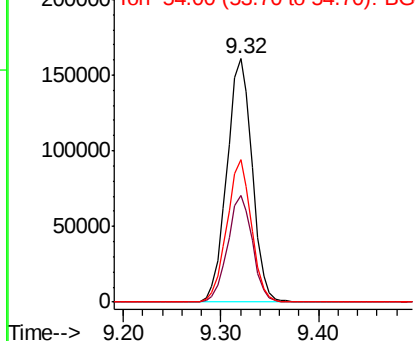
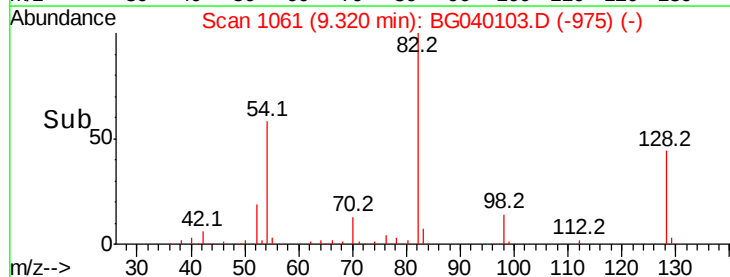


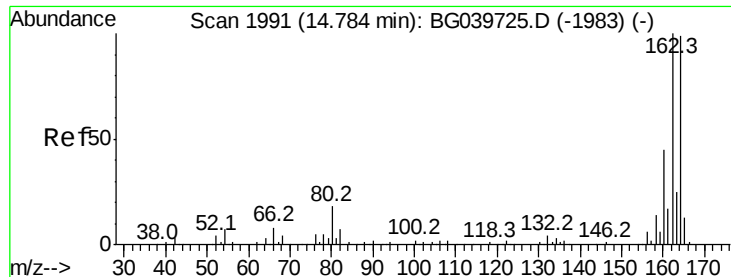
#23
Nitrobenzene-d5
Concen: 80.981 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BG040103.D
Acq: 23 Mar 2019 5:33

Tgt Ion: 82	Resp:	288437
Ion Ratio	Lower	Upper
82	100	
128	43.7	31.3 46.9
54	58.3	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: 14.77 min Scan# 1988

Delta R.T. -0.03 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

Instrument :

BNA_G

ClientSampleId :

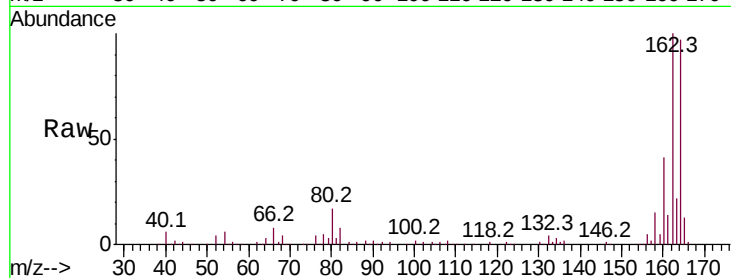
Tot Ion:164 Resp: 139091

Ion Ratio Lower Upper

164 100

162 102.9 81.6 122.4

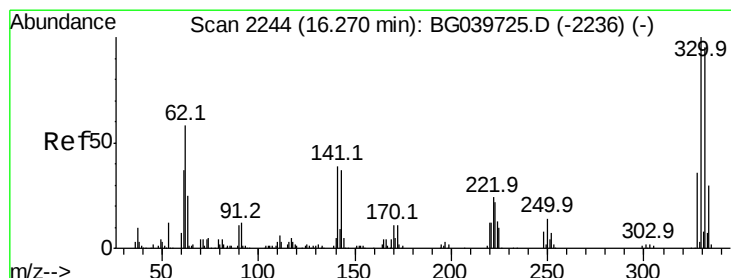
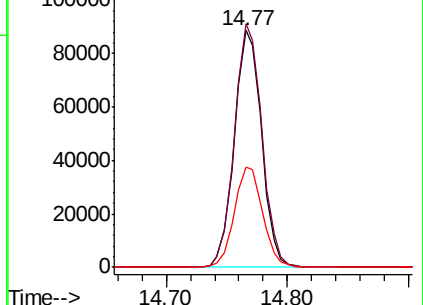
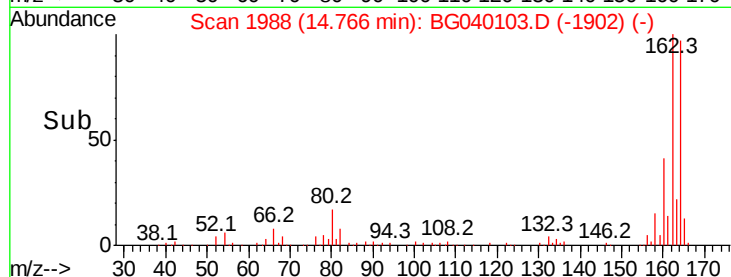
160 42.1 34.2 51.2



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: 79.481 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

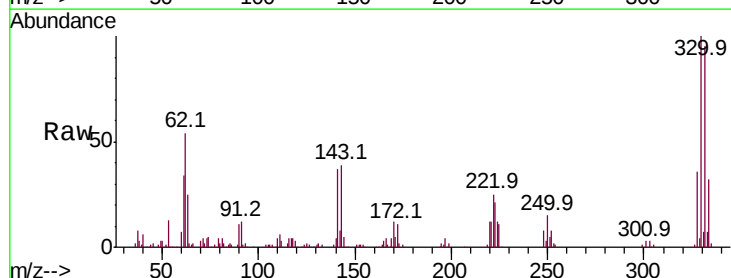
Tgt Ion:330 Resp: 128855

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

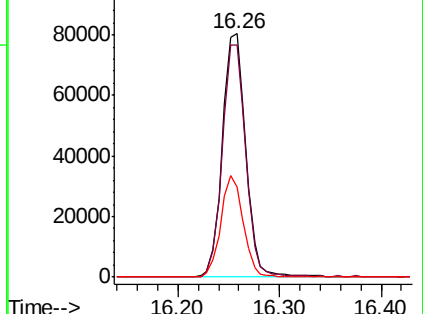
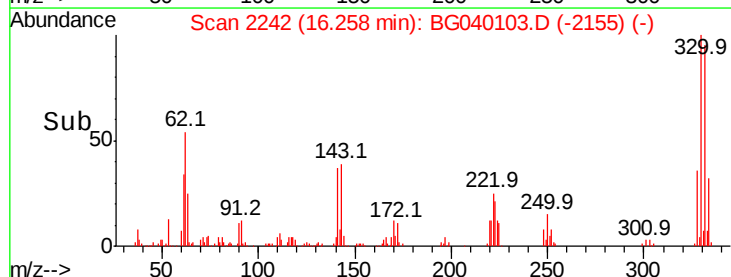
141 40.1 35.6 53.4

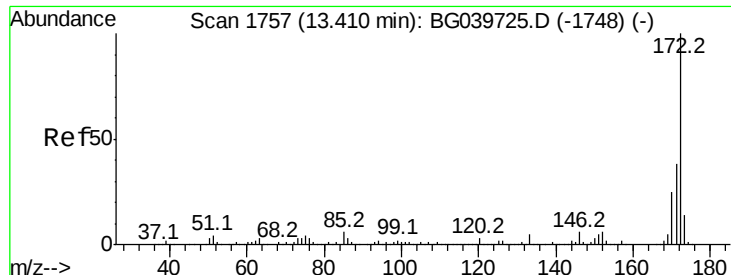


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

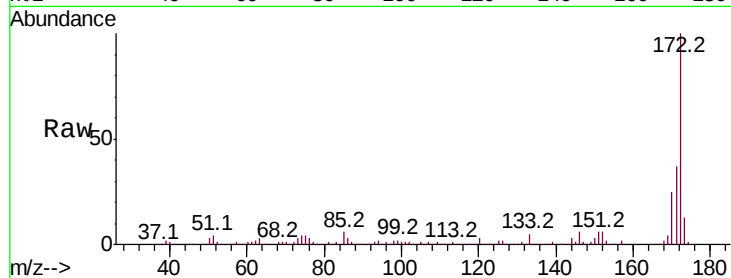




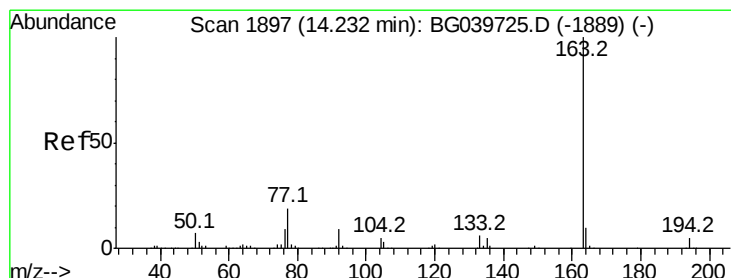
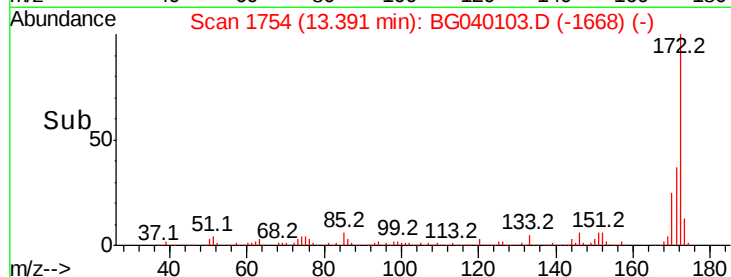
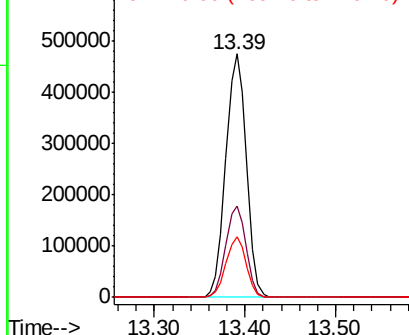
#45
2-Fluorobiphenyl
Concen: 76.347 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.03 min
Lab File: BG040103.D
Acq: 23 Mar 2019 5:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 745822
Ion Ratio Lower Upper
172 100
171 37.4 30.8 46.2
170 24.9 20.2 30.4

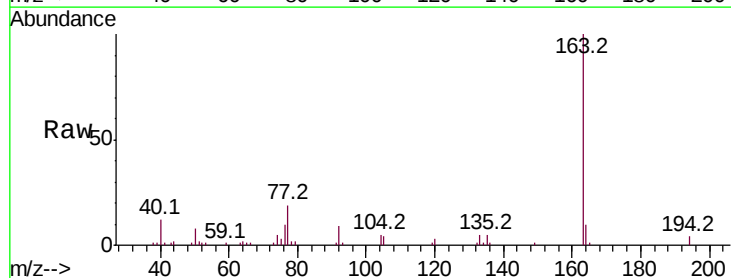


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

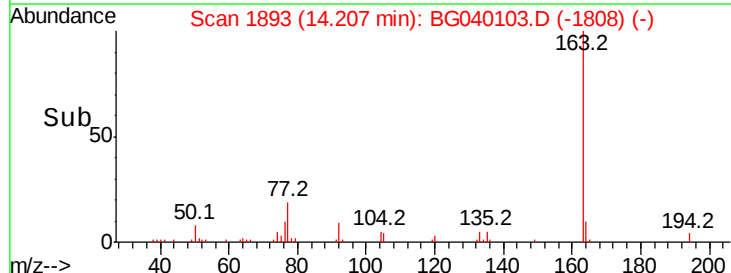
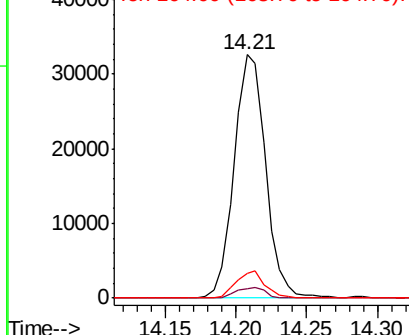


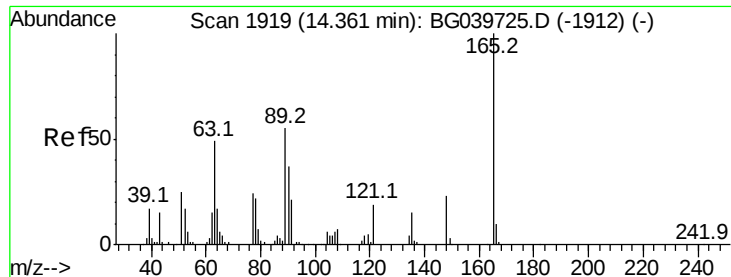
#50
Dimethylphthalate
Concen: 4.371 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.03 min
Lab File: BG040103.D
Acq: 23 Mar 2019 5:33

Tgt Ion:163 Resp: 50835
Ion Ratio Lower Upper
163 100
194 4.0 3.6 5.4
164 10.1 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

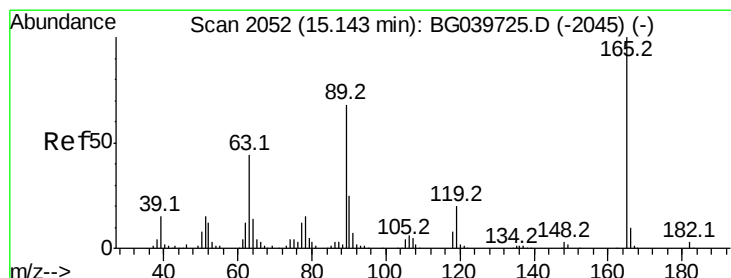
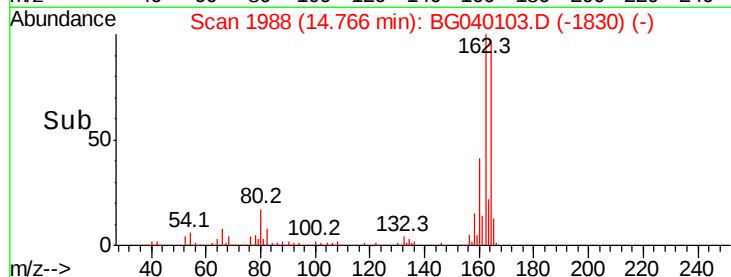
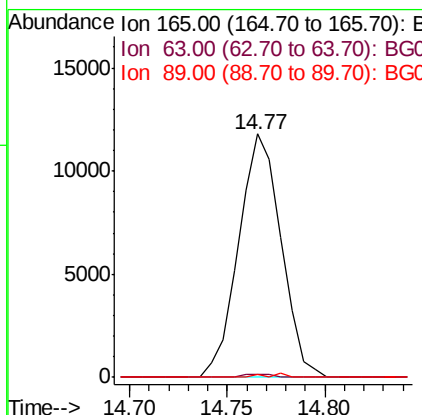
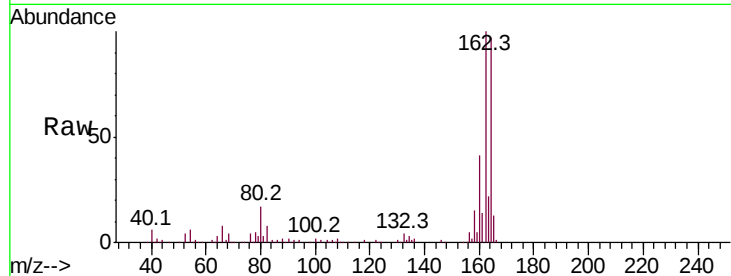




#51
 2,6-Dinitrotoluene
 Concen: 7.204 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040103.D
 Acq: 23 Mar 2019 5:33

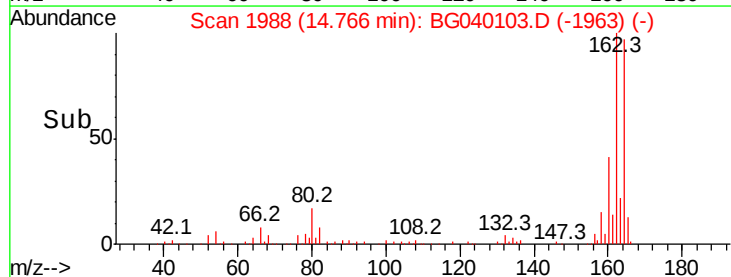
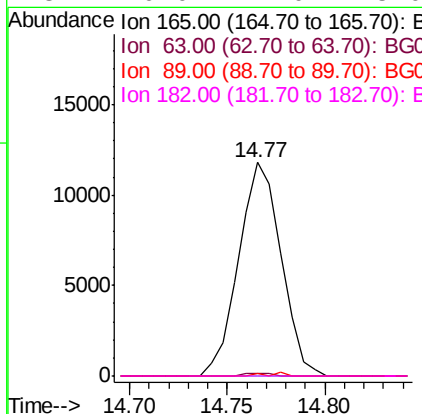
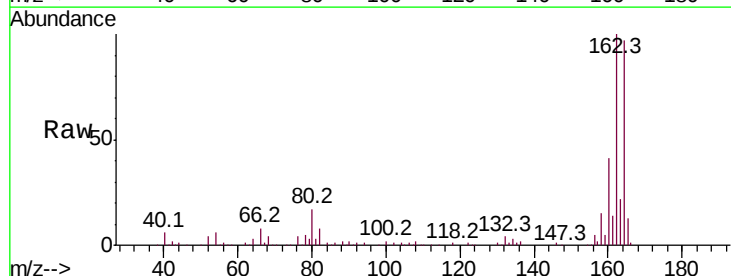
Instrument :
 BNA_G
 ClientSampleId :

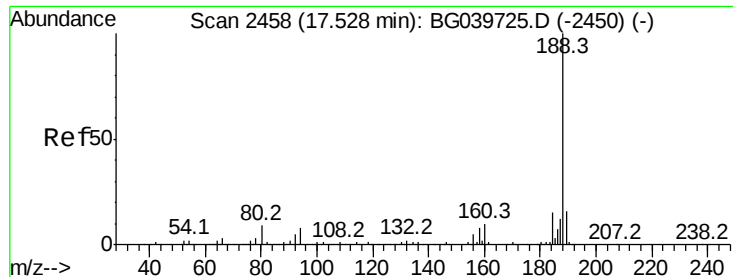
Tot Ion:165 Resp: 17763
 Ion Ratio Lower Upper
 165 100
 63 1.3 47.0 70.6#
 89 1.3 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.127 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040103.D
 Acq: 23 Mar 2019 5:33

Tgt Ion:165 Resp: 17763
 Ion Ratio Lower Upper
 165 100
 63 1.3 41.0 61.6#
 89 1.3 64.6 96.8#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

Instrument :

BNA_G

ClientSampled :

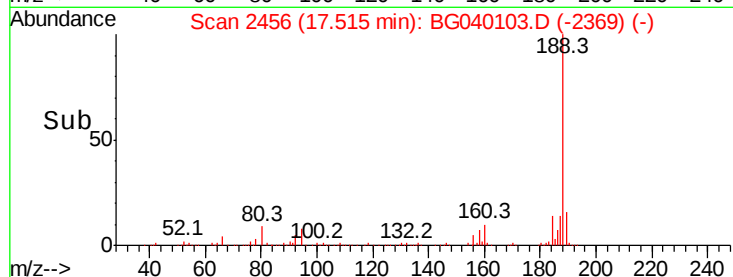
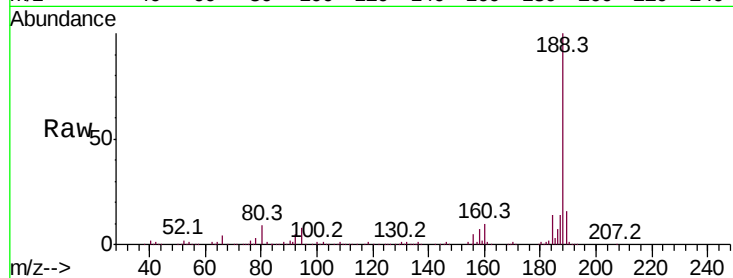
Tot Ion:188 Resp: 326306

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

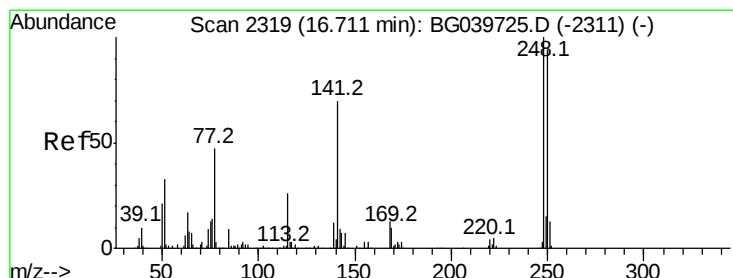
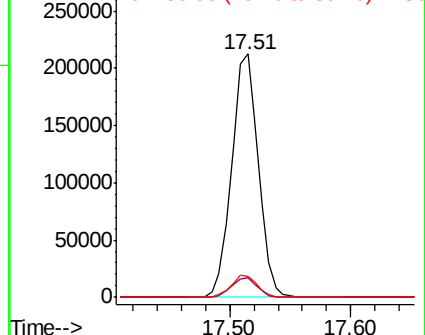
80 8.6 8.1 12.1



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



#67

4-Bromophenyl-phenylether

Concen: 2.683 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040103.D

Acq: 23 Mar 2019 5:33

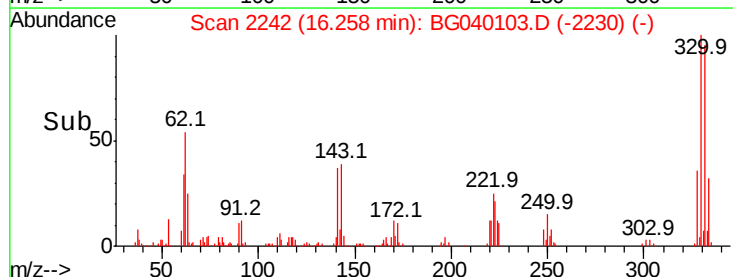
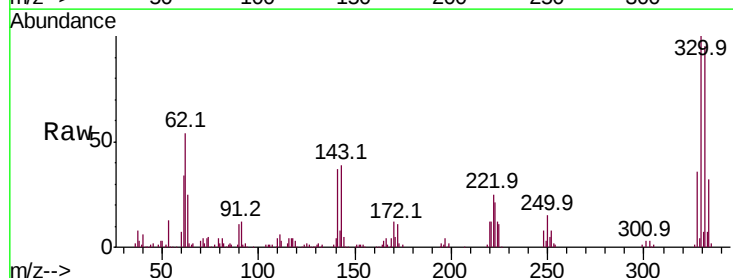
Tgt Ion:248 Resp: 9798

Ion Ratio Lower Upper

248 100

250 184.5 77.6 116.4#

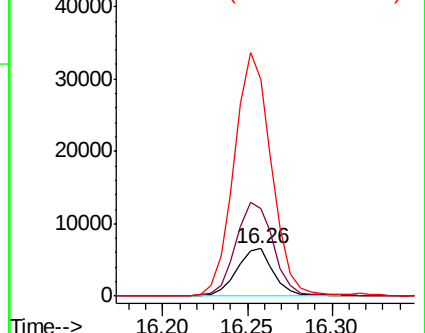
141 457.5 63.9 95.9#

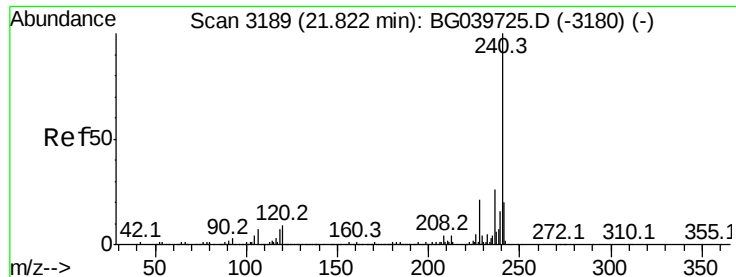


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

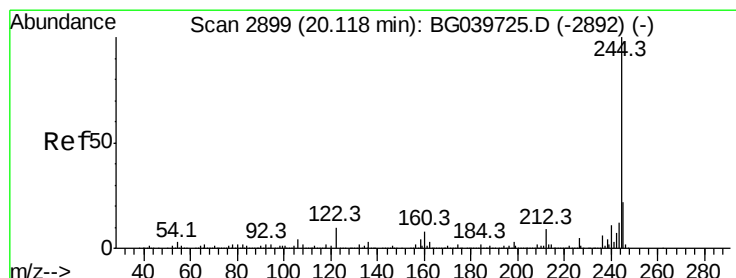
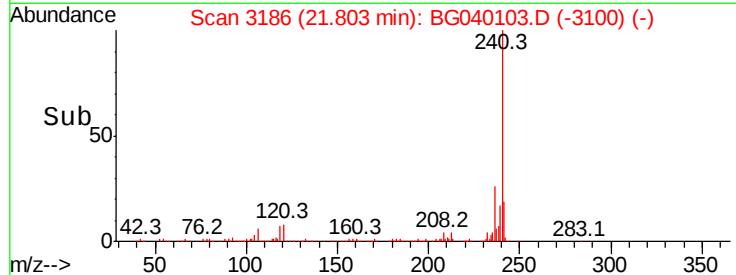
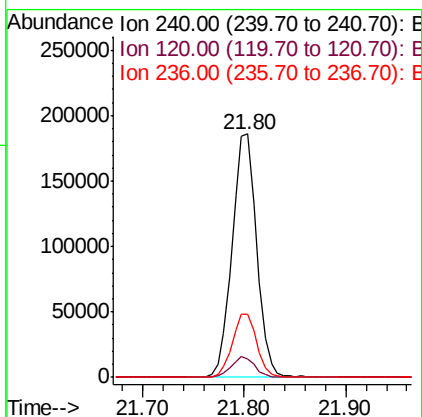
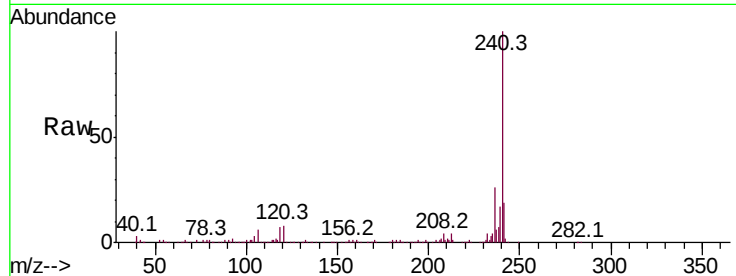




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.03 min
 Lab File: BG040103.D
 Acq: 23 Mar 2019 5:33

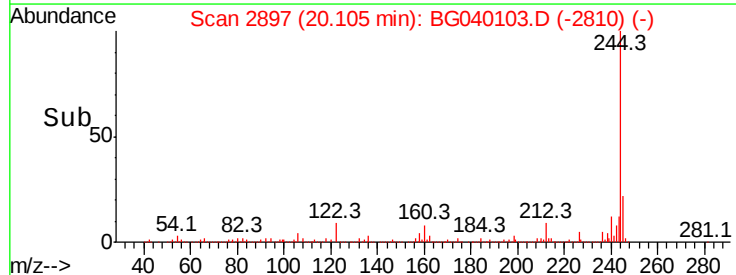
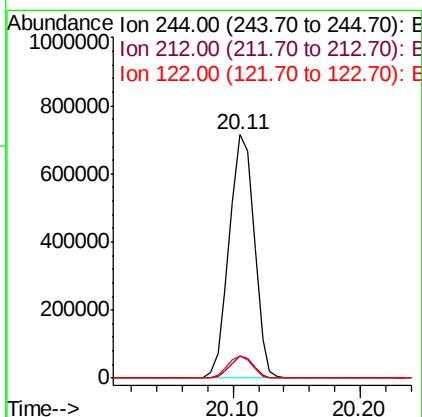
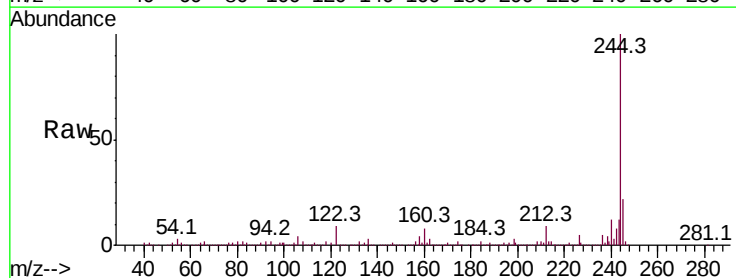
Instrument :
 BNA_G
 ClientSampled :

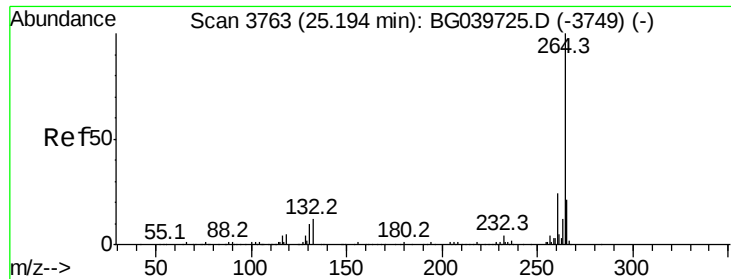
Tot Ion:240 Resp: 313041
 Ion Ratio Lower Upper
 240 100
 120 7.7 7.0 10.6
 236 25.8 21.0 31.4



#79
 Terphenyl-d14
 Concen: 68.687 ng
 RT: 20.11 min Scan# 2897
 Delta R.T. -0.02 min
 Lab File: BG040103.D
 Acq: 23 Mar 2019 5:33

Tgt Ion:244 Resp: 976550
 Ion Ratio Lower Upper
 244 100
 212 9.1 7.3 10.9
 122 9.3 8.4 12.6





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3757
 Delta R.T. -0.04 min
 Lab File: BG040103.D
 Acq: 23 Mar 2019 5:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	22.0	18.5	27.7

