

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041619\
 Data File : BG040521.D
 Acq On : 17 Apr 2019 3:35
 Operator : JU/SJ
 Sample : PB118938TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 04:59:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

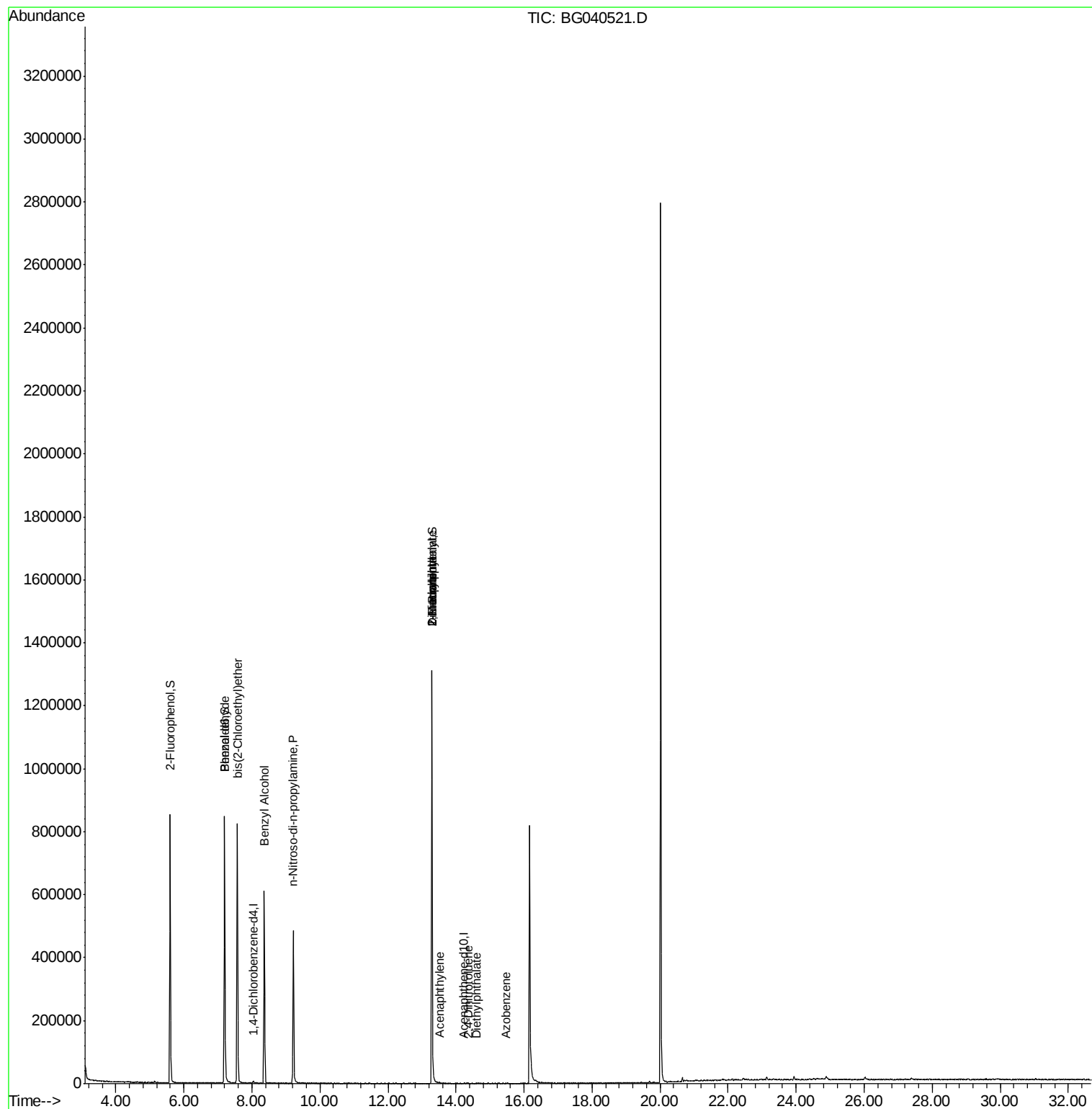
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	2448	20.00	ng	-0.03
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.88
39) Acenaphthene-d10	14.21	164	57	20.00	ng	-0.49
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.45
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.73
87) Perylene-d12	0.00	264	0	0.00	ng	-25.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	369867	2511.73	ng	-0.02
7) Phenol-d6	7.20	99	520062	2555.46	ng	-0.03
23) Nitrobenzene-d5	9.22	82	309467	0.00	ng	-0.03
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	13.30	172	748129	194482.37	ng	-0.03
79) Terphenyl-d14	20.02	244	1308847	0.00	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.20	77	974	6.977	ng	# 2
11) bis(2-Chloroethyl)ether	7.57	93	505	2.854	ng	# 1
15) Benzyl Alcohol	8.36	79	5404	32.972	ng	# 52
19) n-Nitroso-di-n-propylamine	9.22	70	38579	264.399	ng	# 74
46) 1,1'-Biphenyl	13.30	154	1367	303.525	ng	# 1
48) 2-Nitroaniline	13.29	65	1185	1016.919	ng	# 1
49) Acenaphthylene	13.52	152	318	54.291	ng	# 36
50) Dimethylphthalate	13.29	163	63	14.122	ng	# 76
57) 2,4-Dinitrotoluene	14.38	165	60	43.109	ng	# 24
60) Diethylphthalate	14.62	149	57	12.486	ng	# 57
63) Azobenzene	15.47	77	61	14.166	ng	# 48

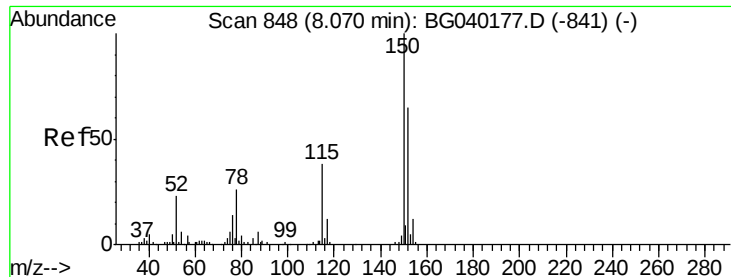
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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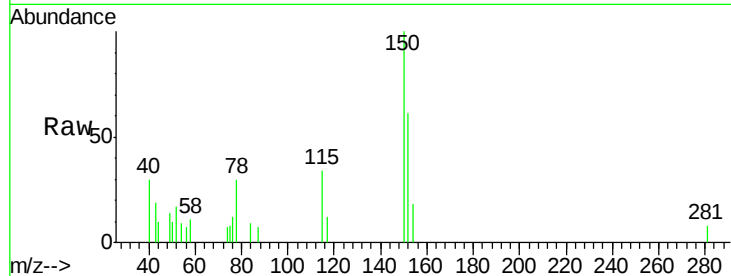


#1

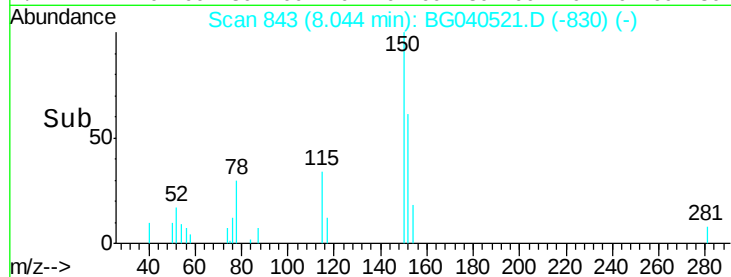
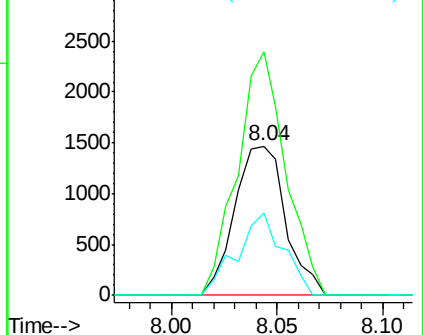
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 2448
Ion Ratio Lower Upper
152 100
150 163.5 123.7 185.5
115 55.4 46.9 70.3



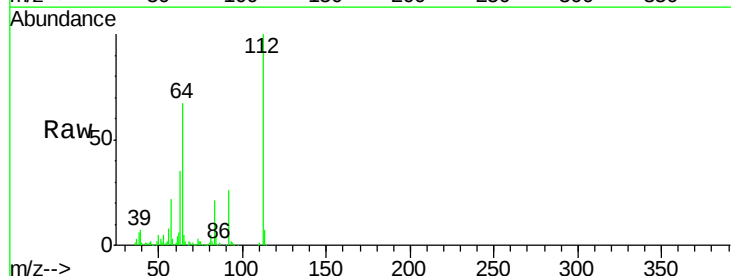
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



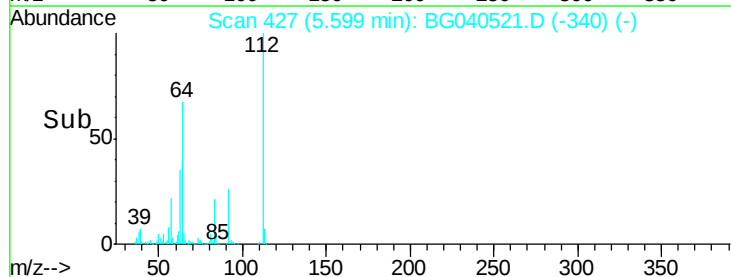
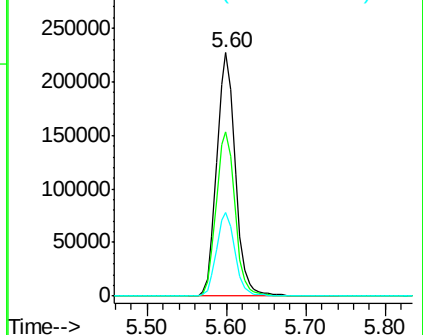
#5

2-Fluorophenol
Concen: 2511.730 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.02 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Tgt Ion:112 Resp: 369867
Ion Ratio Lower Upper
112 100
64 67.4 54.2 81.2
63 34.6 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 2555.461 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.03 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

Instrument :

BNA_G

ClientSampled :

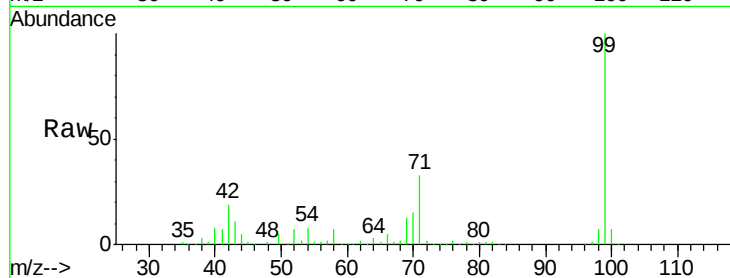
Tot Ion: 99 Resp: 520062

Ion Ratio Lower Upper

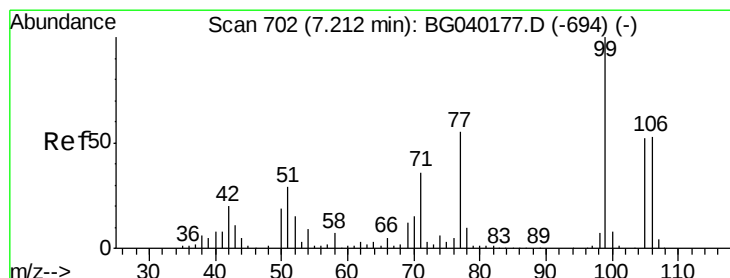
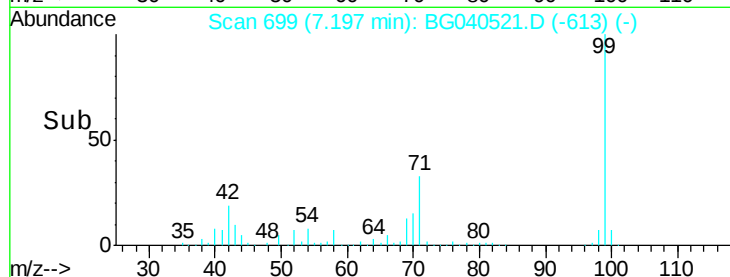
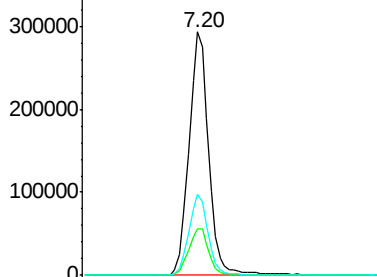
99 100

42 19.2 16.2 24.2

71 33.2 26.8 40.2



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



#9

Benzaldehyde

Concen: 6.977 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

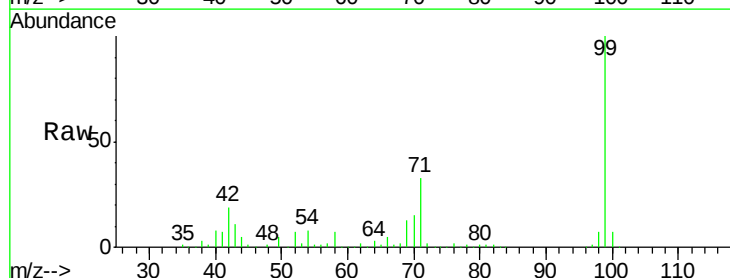
Tgt Ion: 77 Resp: 974

Ion Ratio Lower Upper

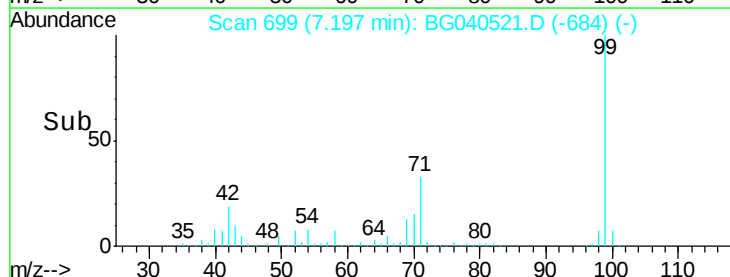
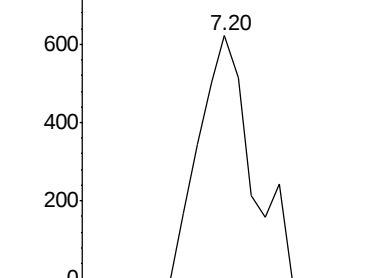
77 100

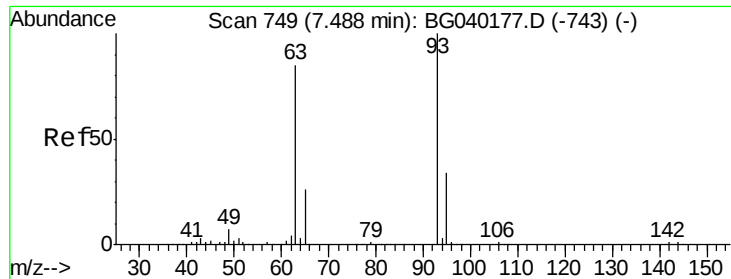
105 0.0 75.0 115.0#

106 0.0 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 2.854 ng

RT: 7.57 min Scan# 762

Delta R.T. 0.08 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

Instrument :

BNA_G

ClientSampleId :

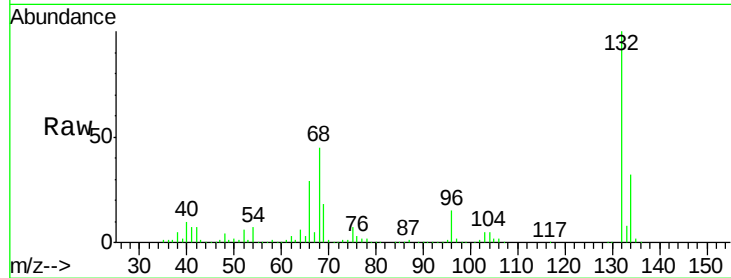
Tot Ion: 93 Resp: 505

Ion Ratio Lower Upper

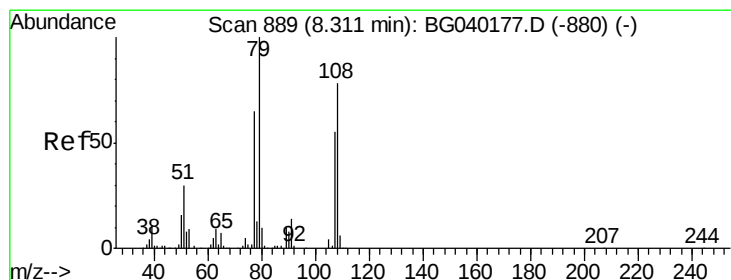
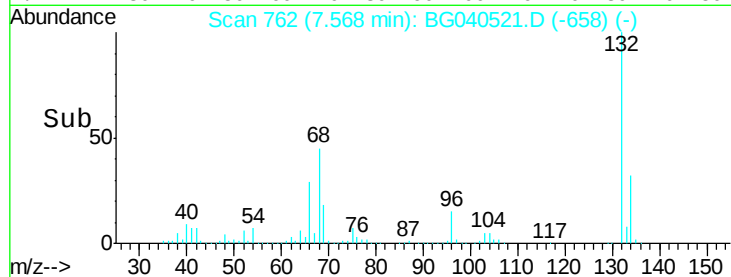
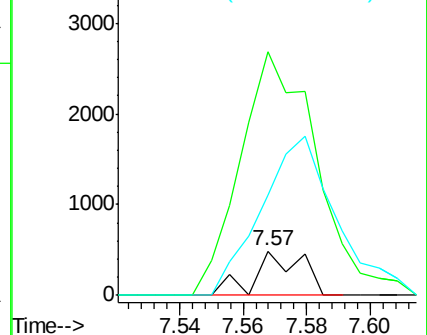
93 100

63 553.4 64.2 104.2#

95 228.0 14.0 54.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#15

Benzyl Alcohol

Concen: 32.972 ng

RT: 8.36 min Scan# 897

Delta R.T. 0.05 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

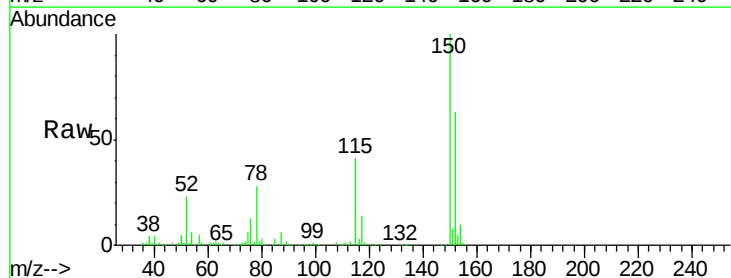
Tgt Ion: 79 Resp: 5404

Ion Ratio Lower Upper

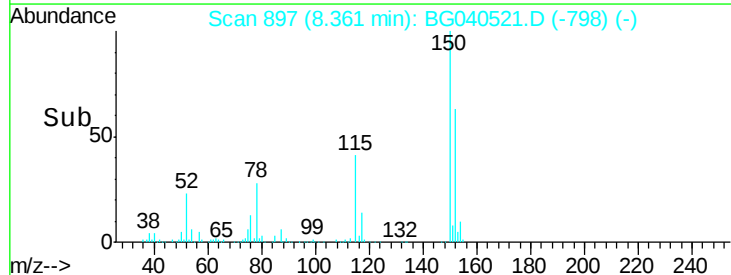
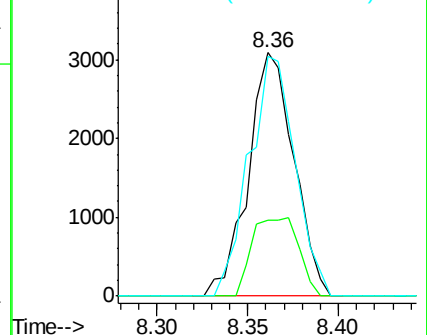
79 100

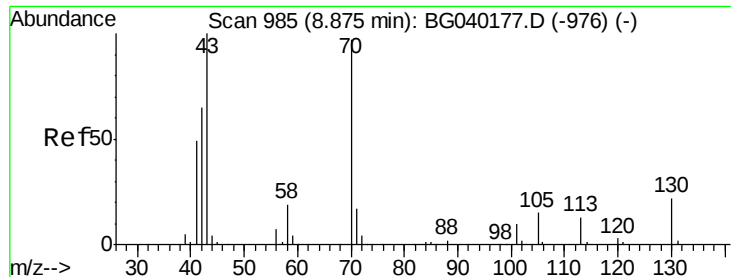
108 31.3 62.1 93.1#

77 98.6 51.9 77.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

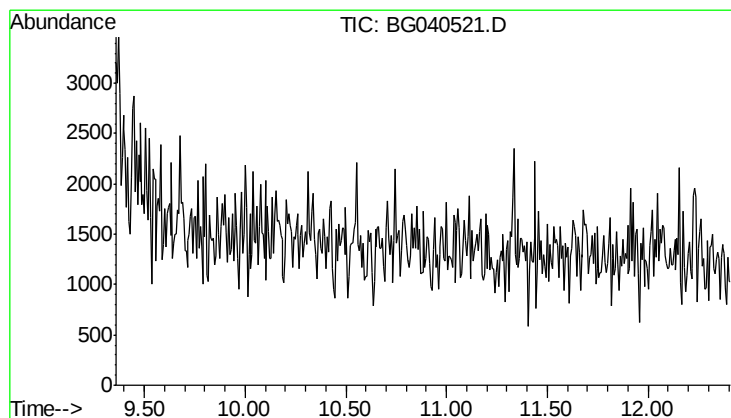
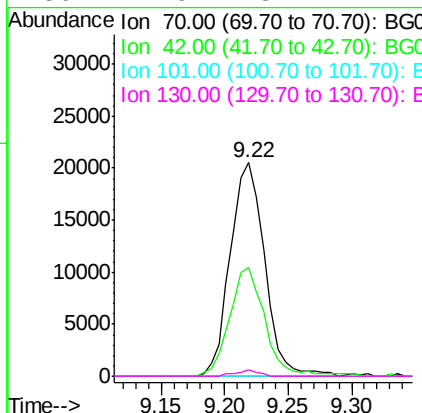
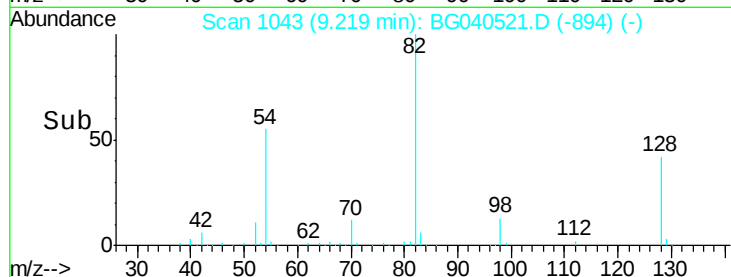
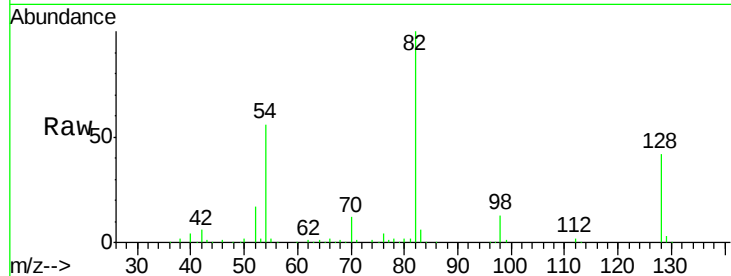




#19
n-Nitroso-di-n-propylamine
Concen: 264.399 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.34 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Instrument :
BNA_G
ClientSampleId :

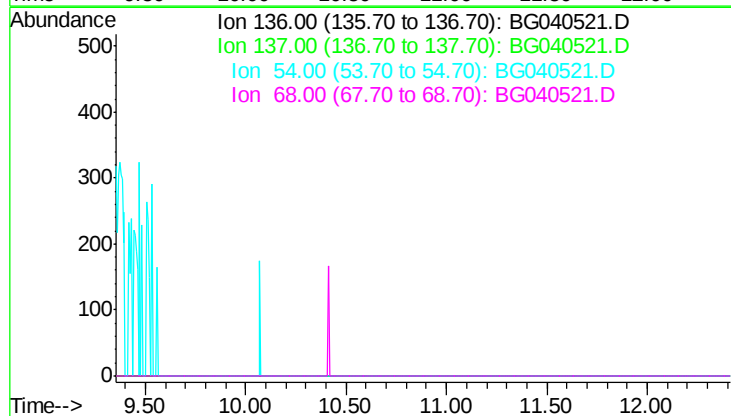
Tot Ion: 70 Resp: 38579
Ion Ratio Lower Upper
70 100
42 51.2 54.0 81.0#
101 0.0 8.6 13.0#
130 2.9 18.2 27.2#

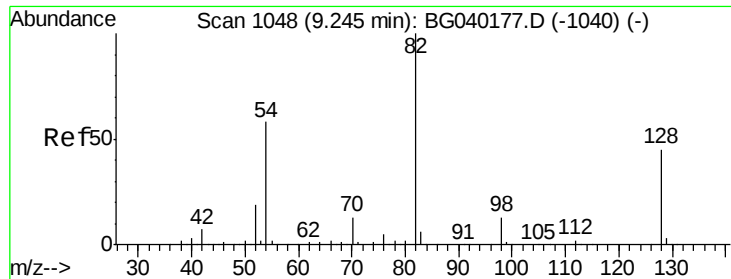


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.88 min

Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 12.0
68 6.4

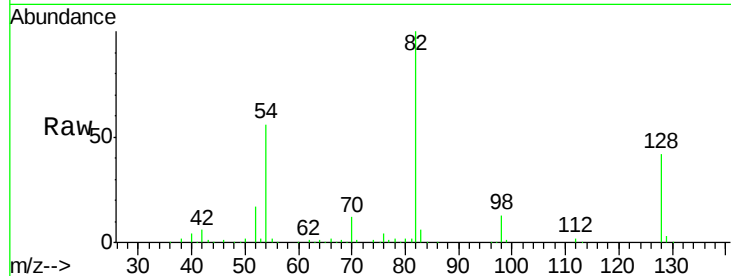




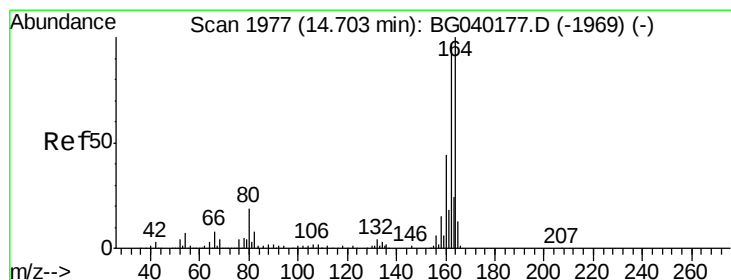
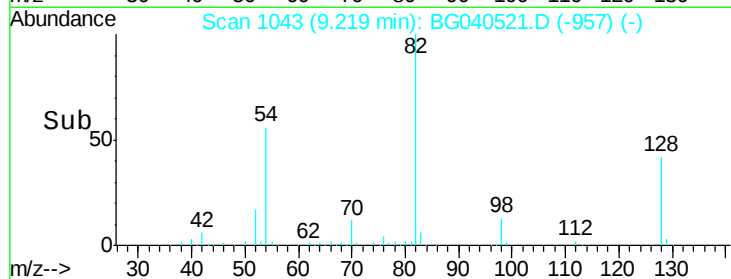
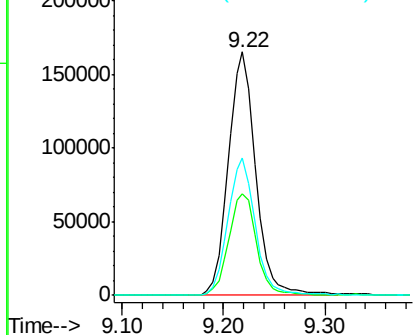
#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	309467
Ion Ratio	Lower	Upper	
82	100		
128	41.6	35.8	53.8
54	56.4	46.2	69.2

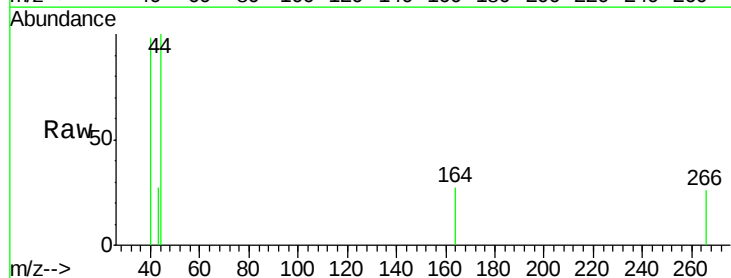


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

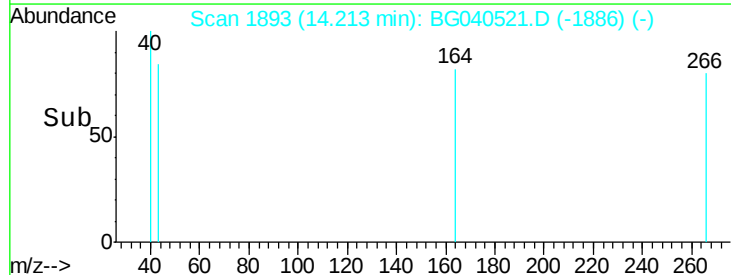
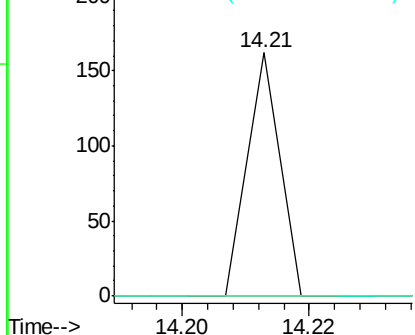


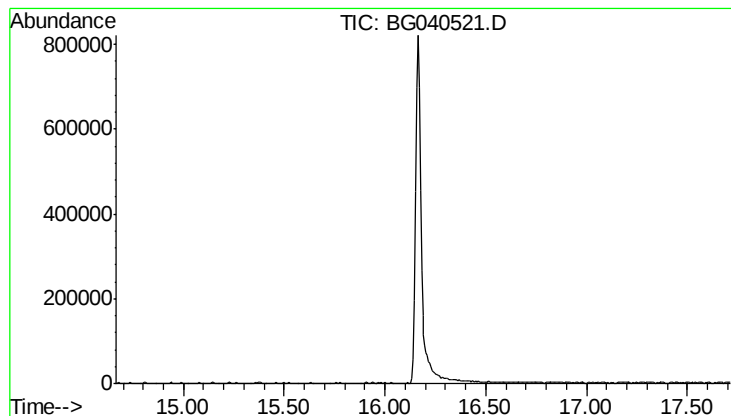
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.49 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Tgt Ion	164	Resp	57
Ion Ratio	Lower	Upper	
164	100		
162	0.0	77.4	116.2#
160	0.0	35.3	52.9#



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

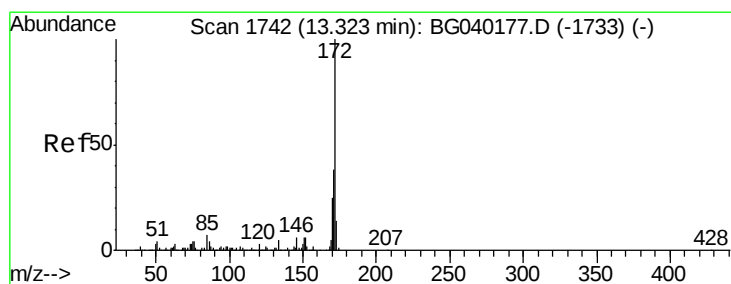
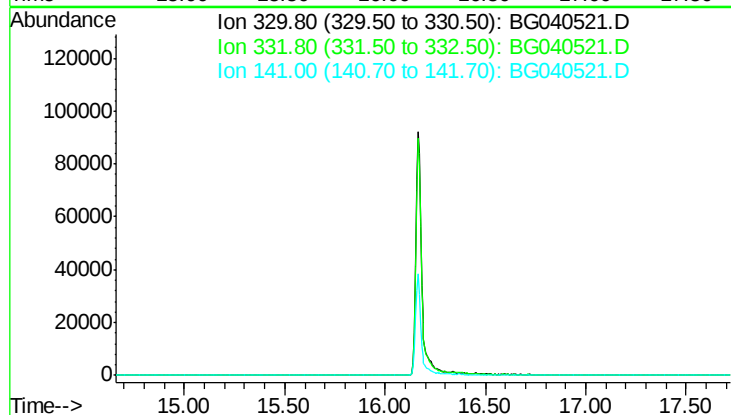




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.19 min
 Lab File: BG040521.D
 Acq: 17 Apr 2019 3:35

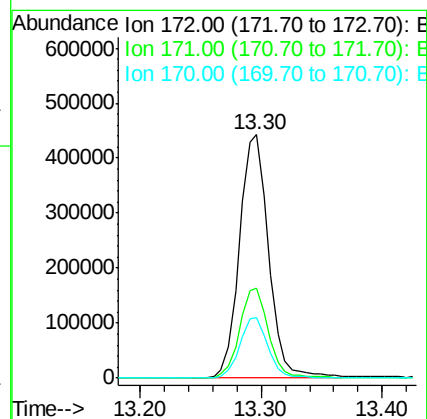
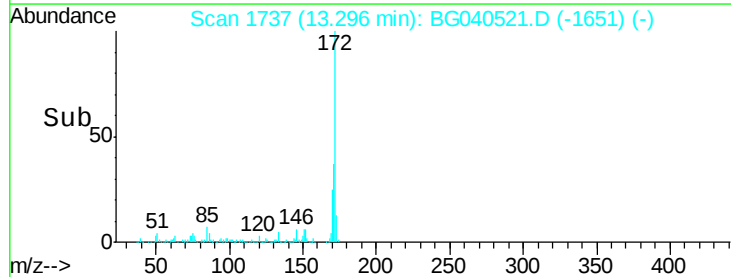
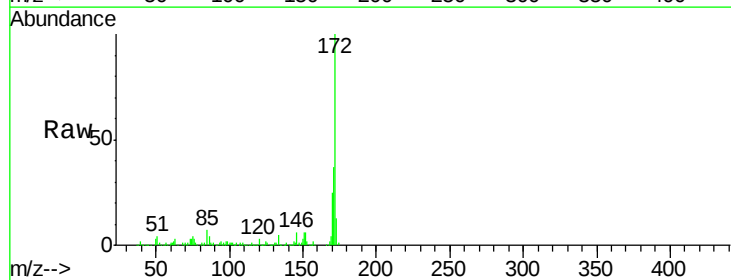
Instrument :
 BNA_G
 ClientSampleId :

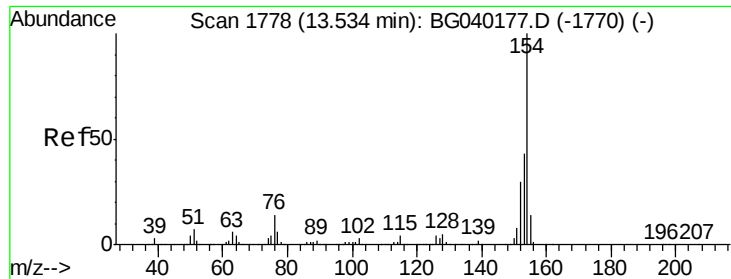
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 40.7



#45
 2-Fluorobiphenyl
 Concen: 194482.371 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.03 min
 Lab File: BG040521.D
 Acq: 17 Apr 2019 3:35

Tgt Ion: 172 Resp: 748129
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.5 45.7
 170 24.7 20.1 30.1

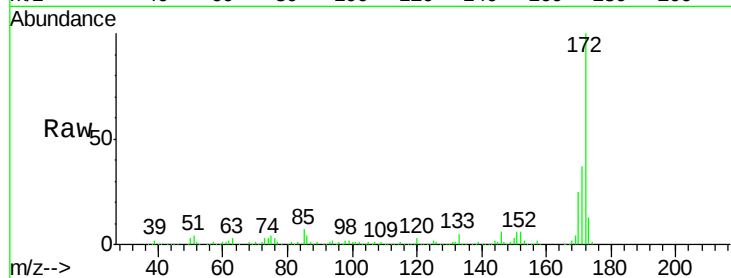




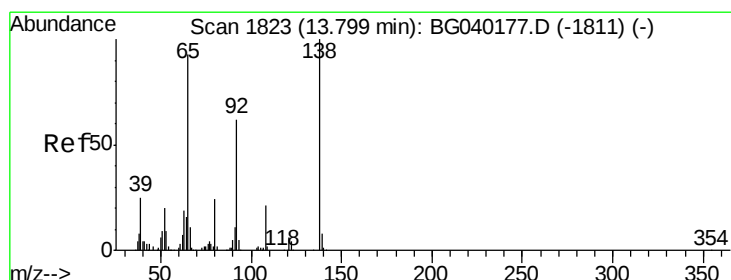
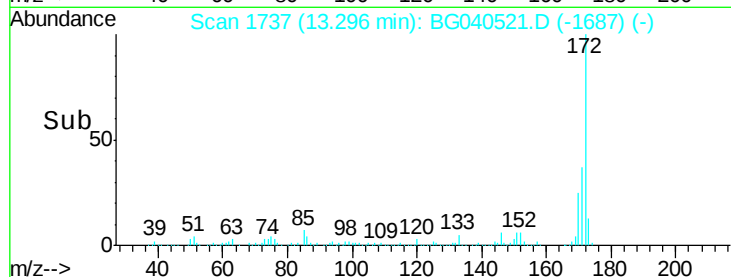
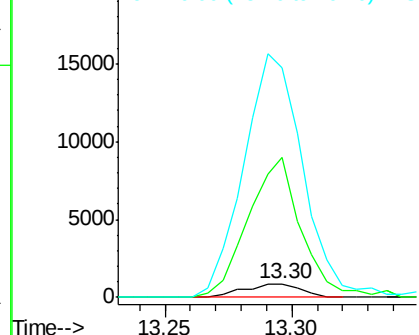
#46
 1,1'-Biphenyl
 Concen: 303.525 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.24 min
 Lab File: BG040521.D
 Acq: 17 Apr 2019 3:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:154 Resp: 1367
 Ion Ratio Lower Upper
 154 100
 153 1033.4 22.5 62.5#
 76 1693.6 0.0 33.7#

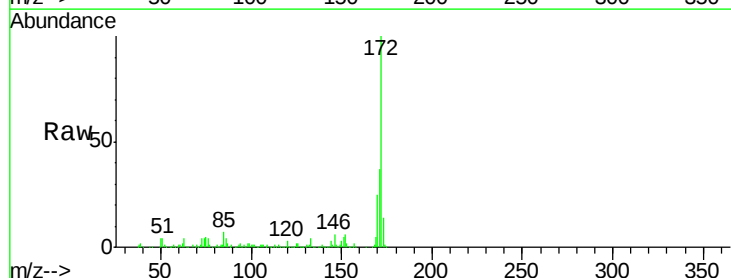


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

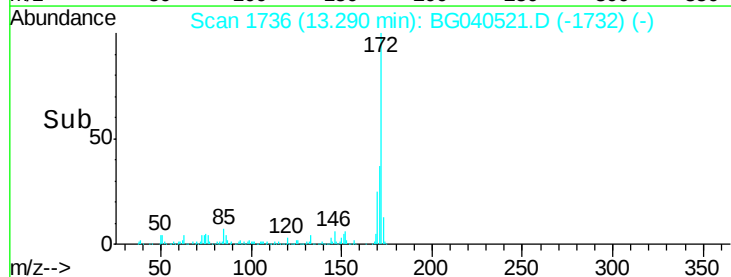
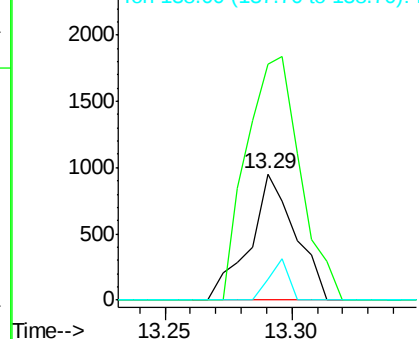


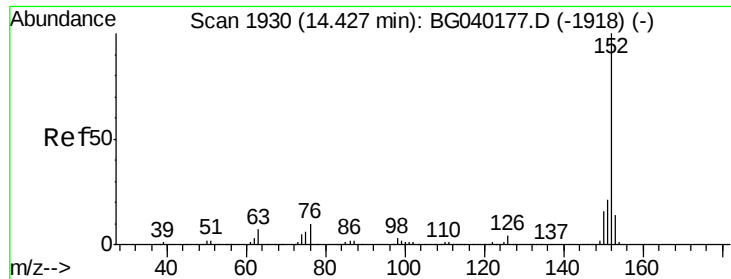
#48
 2-Nitroaniline
 Concen: 1016.919 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.51 min
 Lab File: BG040521.D
 Acq: 17 Apr 2019 3:35

Tgt Ion: 65 Resp: 1185
 Ion Ratio Lower Upper
 65 100
 92 187.2 53.8 80.6#
 138 16.2 86.3 129.5#



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





#49

Acenaphthylene

Concen: 54.291 ng

RT: 13.52 min Scan# 1775

Delta R.T. -0.91 min

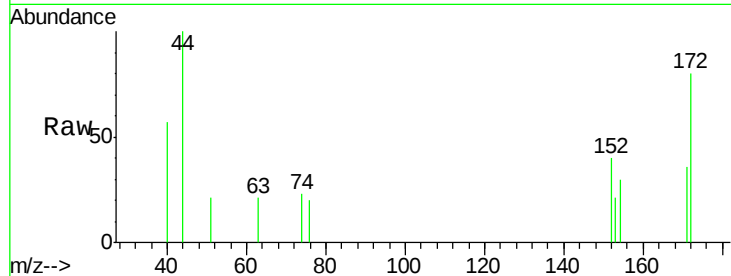
Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

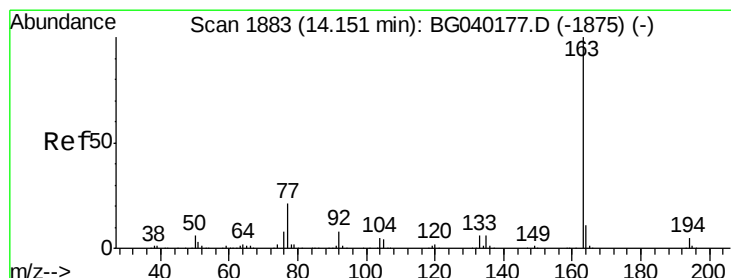
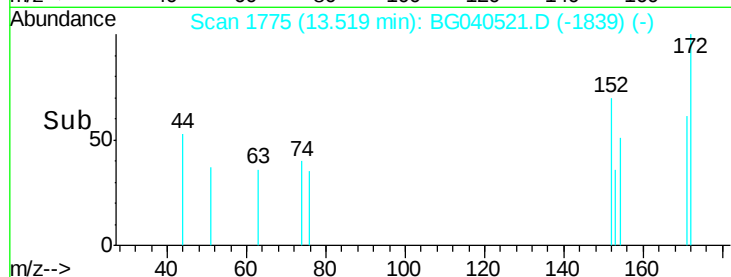
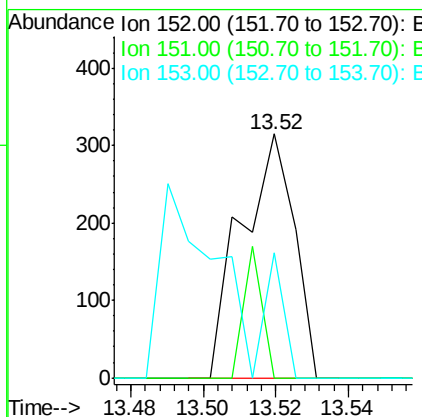
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	152	Resp:	318
Ion	Ratio	Lower	Upper
152	100		
151	0.0	17.0	25.6#
153	51.1	10.8	16.2#



#50

Dimethylphthalate

Concen: 14.122 ng

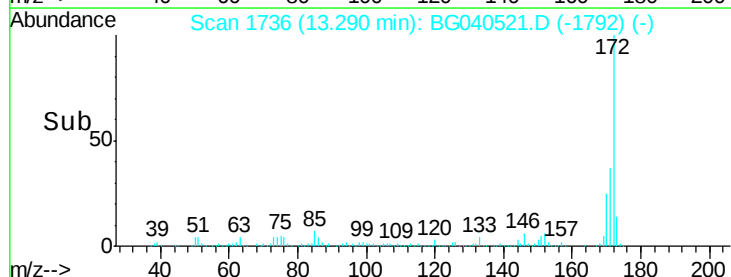
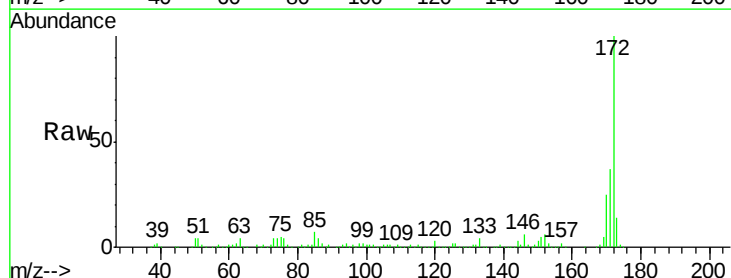
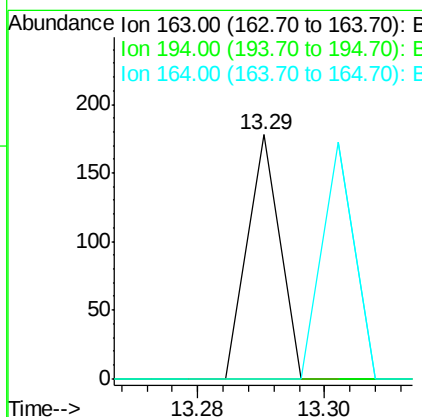
RT: 13.29 min Scan# 1736

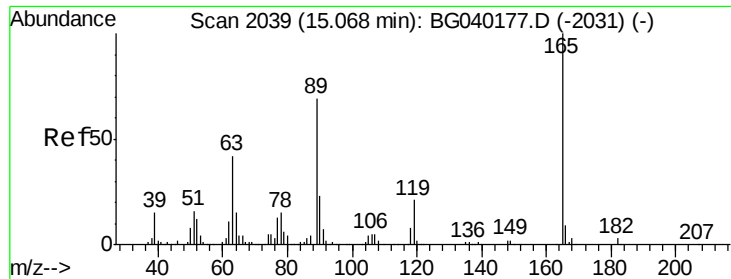
Delta R.T. -0.86 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

Tgt Ion:	163	Resp:	63
Ion	Ratio	Lower	Upper
163	100		
194	0.0	4.1	6.1#
164	0.0	8.6	13.0#

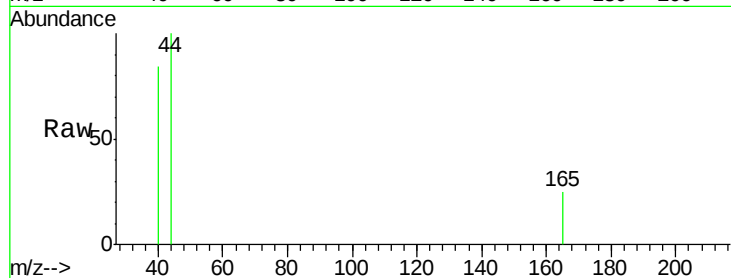




#57
2,4-Dinitrotoluene
Concen: 43.109 ng
RT: 14.38 min Scan# 1921
Delta R.T. -0.69 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.6#
89	0.0	55.4	83.2#
182	0.0	2.2	3.4#

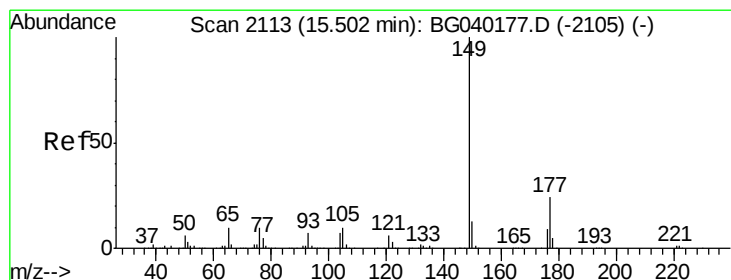
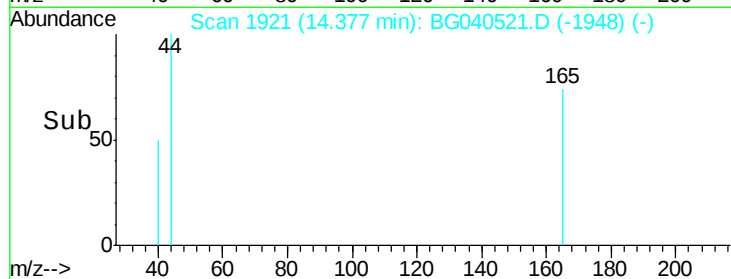
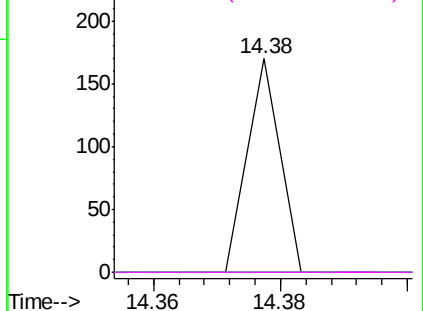


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

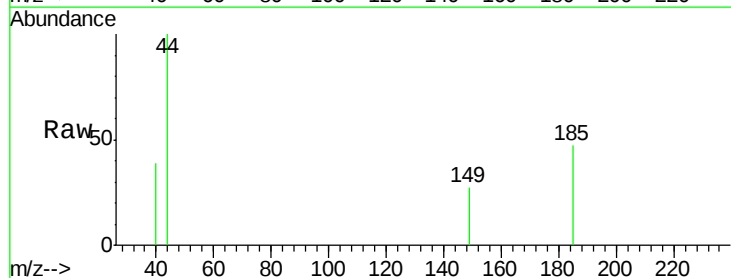
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#60
Diethylphthalate
Concen: 12.486 ng
RT: 14.62 min Scan# 1962
Delta R.T. -0.88 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

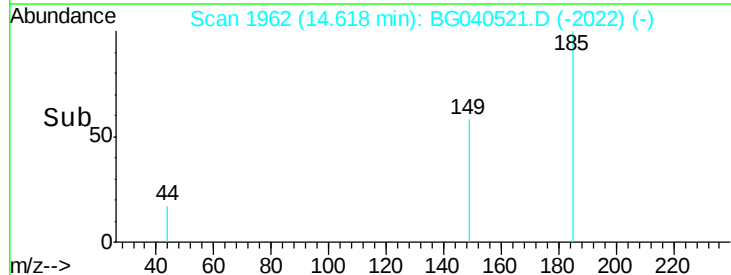
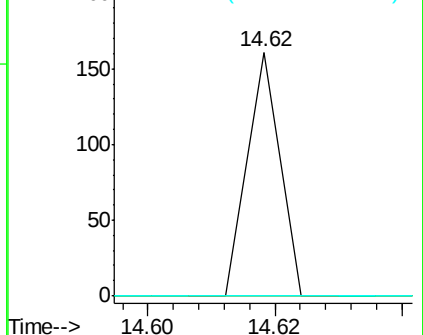
Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	19.1	28.7#
150	0.0	10.6	15.8#

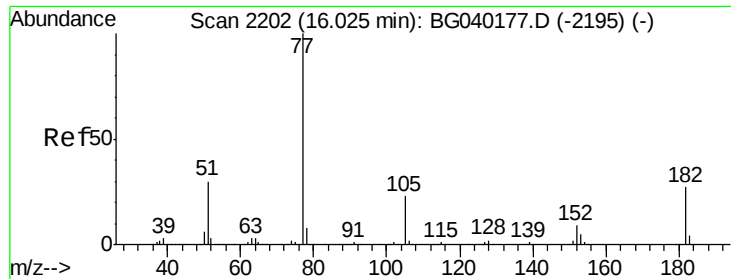


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 14.166 ng

RT: 15.47 min Scan# 2107

Delta R.T. -0.56 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 61

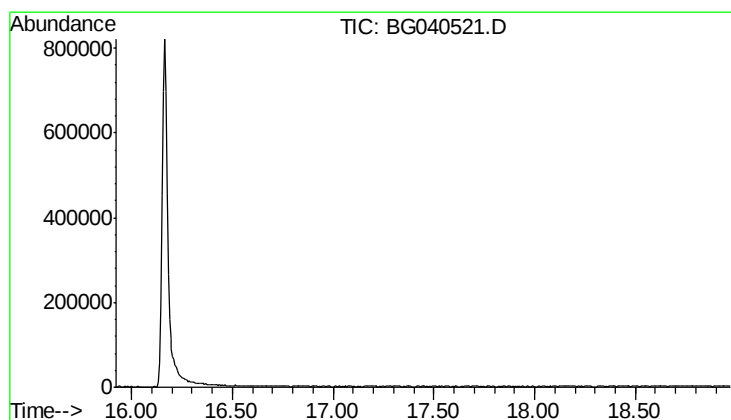
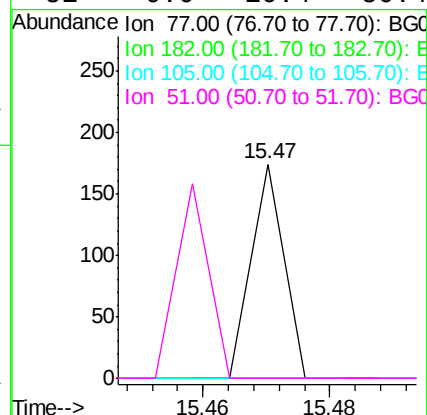
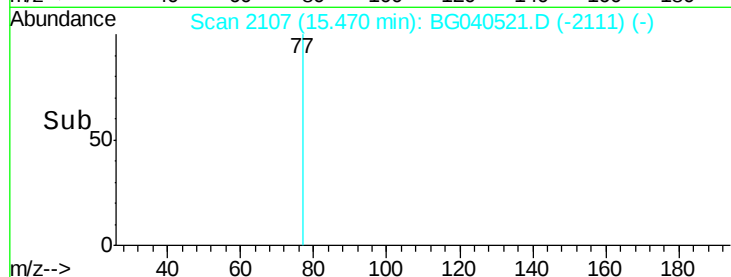
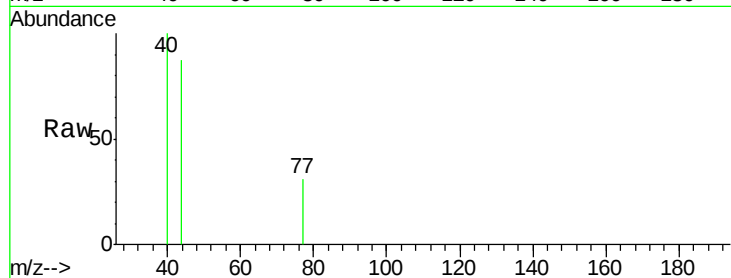
Ion Ratio Lower Upper

77 100

182 0.0 7.2 47.2#

105 0.0 2.8 42.8#

51 0.0 10.4 50.4#



#64

Phenanthrene-d10

Concen: 0.000 ng

Expected RT: 17.45 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

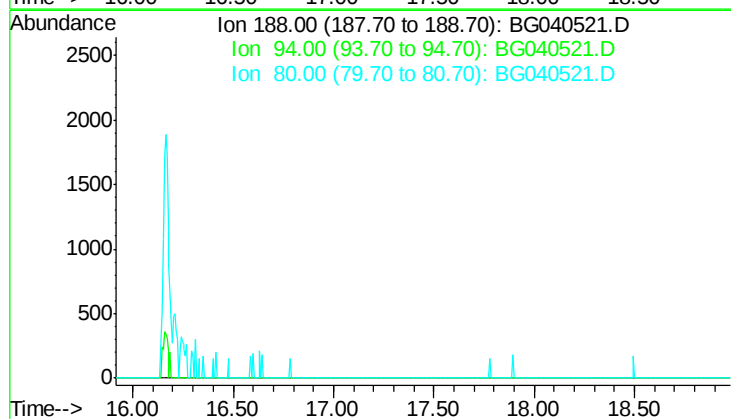
Tgt Ion: 188

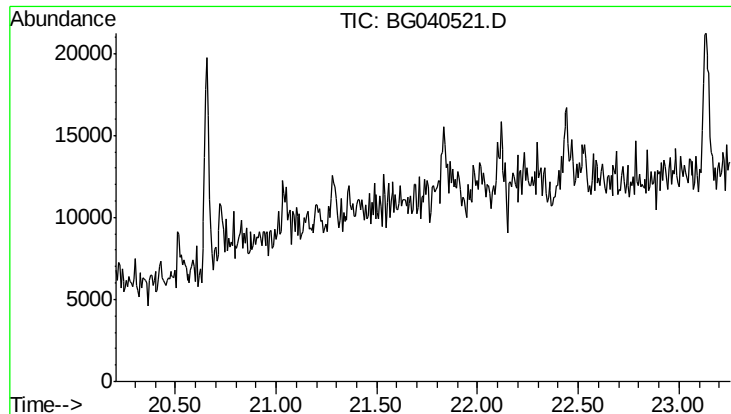
Sig Exp Ratio

188 100

94 8.7

80 10.8





#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 21.73 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

Tot Ion: 240

Sig Exp Ratio

240 100

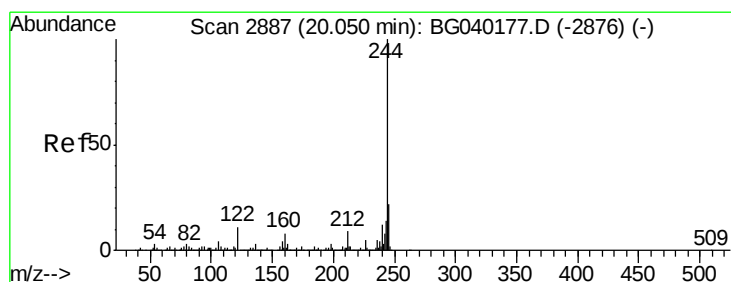
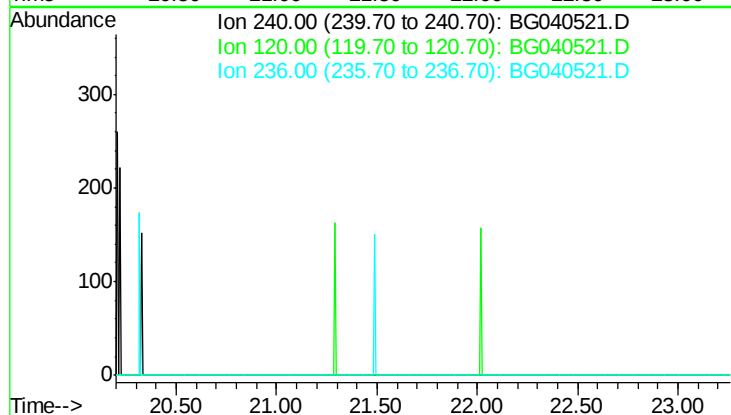
120 10.5

236 26.0

Instrument :

BNA_G

ClientSampleId :



#79

Terphenyl-d14

Concen: 0.000 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.03 min

Lab File: BG040521.D

Acq: 17 Apr 2019 3:35

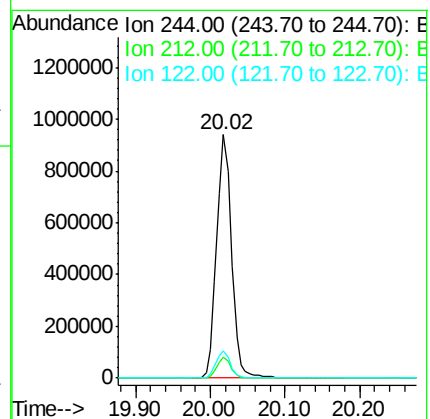
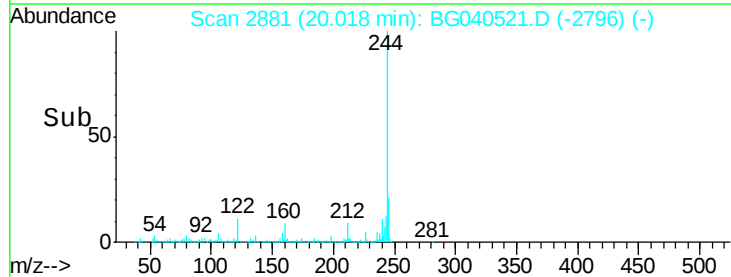
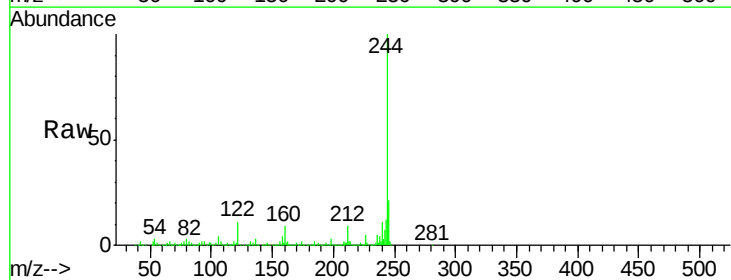
Tgt Ion:244 Resp: 1308847

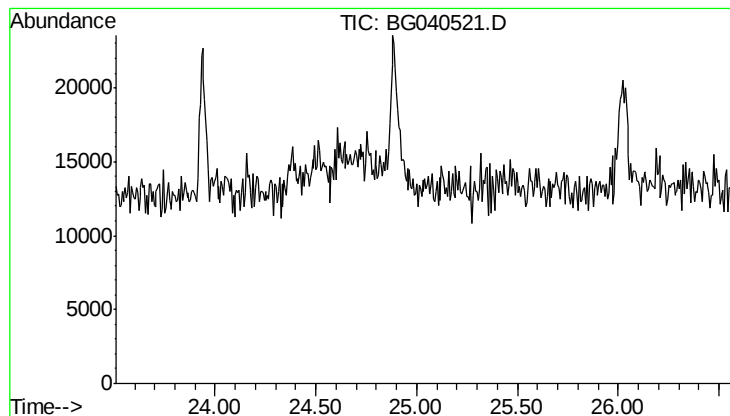
Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

122 11.3 8.5 12.7





#87
Pervlene-d12
Concen: 0.000 ng
Expected RT: 25.03 min
Lab File: BG040521.D
Acq: 17 Apr 2019 3:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	264
Sig	Exp Ratio
264	100
260	22.4
265	21.0

