

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040051.D
 Acq On : 21 Mar 2019 1:06
 Operator : JU/SJ
 Sample : K1972-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:30:47 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

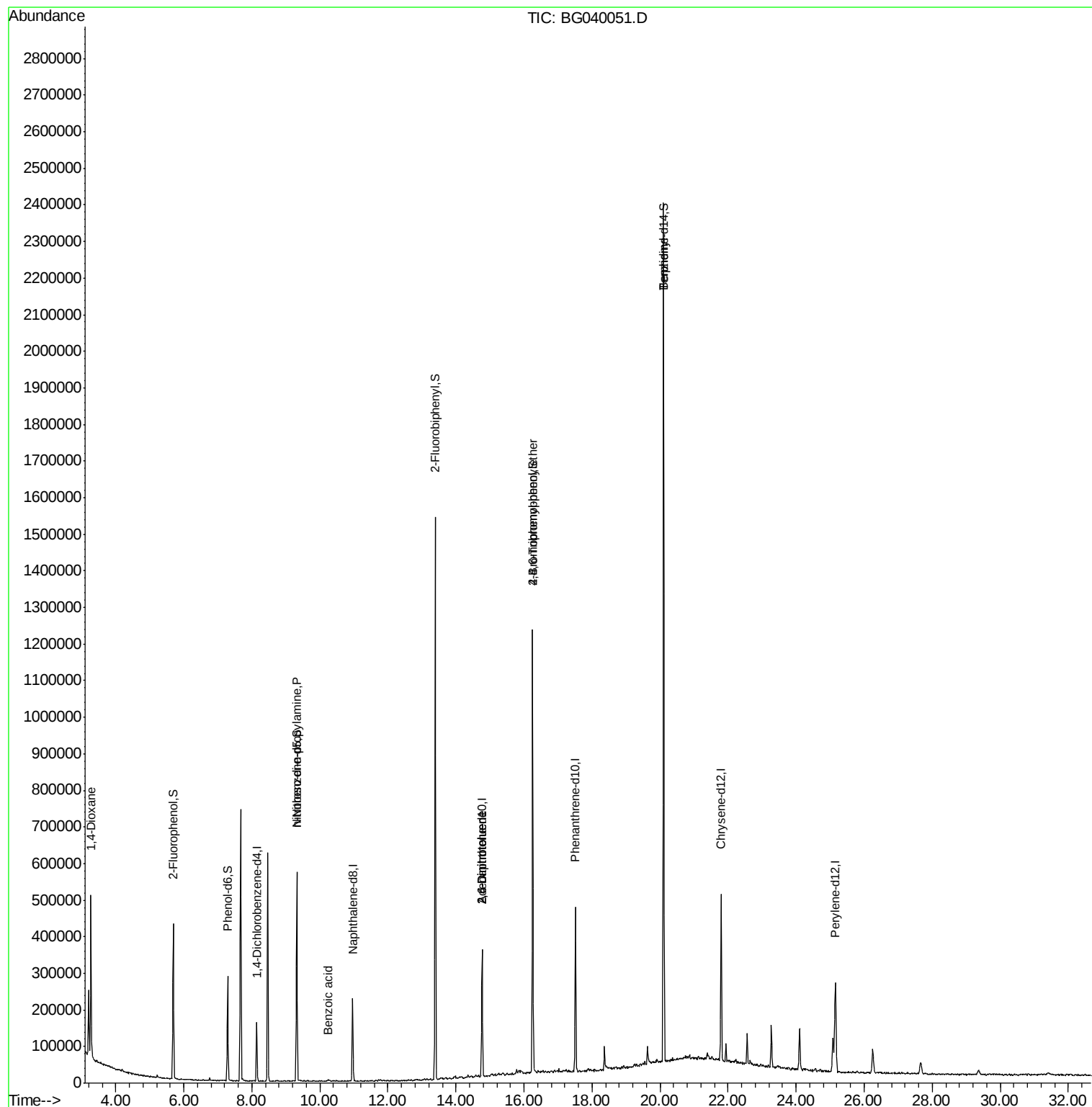
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43671	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	188362	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	123880	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	273372	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	268874	20.00	ng	-0.03
87) Perylene-d12	25.16	264	277561	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	174242	68.07	ng	-0.02
7) Phenol-d6	7.29	99	163988	42.96	ng	-0.03
23) Nitrobenzene-d5	9.32	82	341785	98.14	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	202130	139.99	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	798438	91.77	ng	-0.03
79) Terphenyl-d14	20.10	244	1089551	89.22	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.27	88	3413	2.888	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	43972	16.006	ng	# 73
32) Benzoic acid	10.24	122	368	6.767	ng	# 82
51) 2,6-Dinitrotoluene	14.77	165	16426	7.480	ng	# 25
57) 2,4-Dinitrotoluene	14.77	165	16426	5.323	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	15877	5.189	ng	# 1
77) Benzidine	20.10	184	20615	2.416	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: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040051.D

Acq: 21 Mar 2019 1:06

Instrument :

BNA_G

ClientSampled :

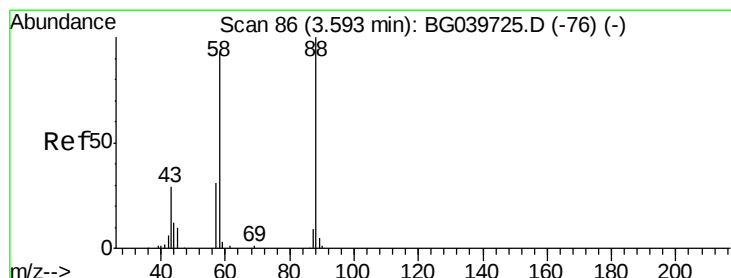
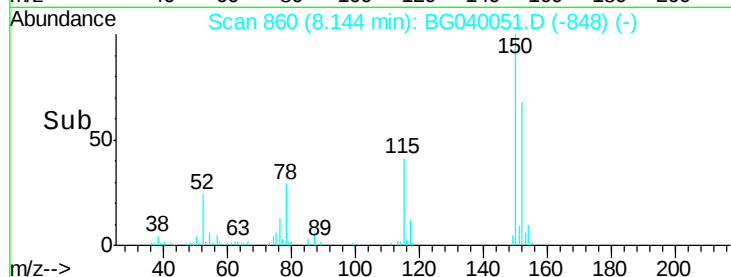
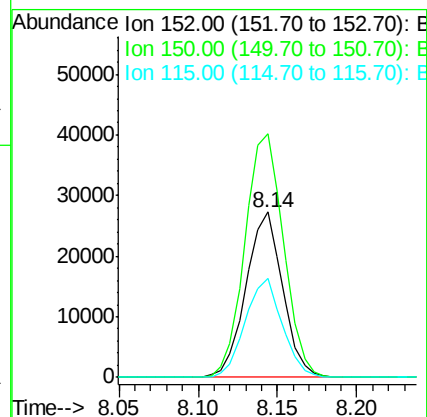
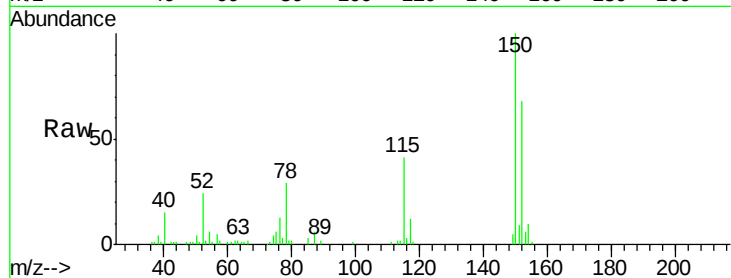
Tot Ion:152 Resp: 43671

Ion Ratio Lower Upper

152 100

150 147.5 123.7 185.5

115 59.9 45.9 68.9



#2

1,4-Dioxane

Concen: 2.888 ng

RT: 3.27 min Scan# 30

Delta R.T. -0.34 min

Lab File: BG040051.D

Acq: 21 Mar 2019 1:06

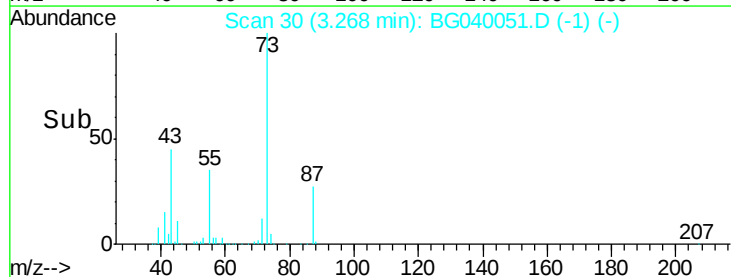
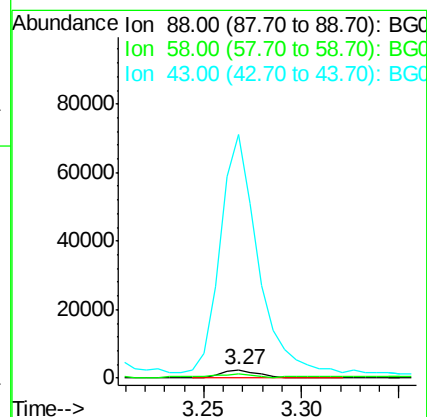
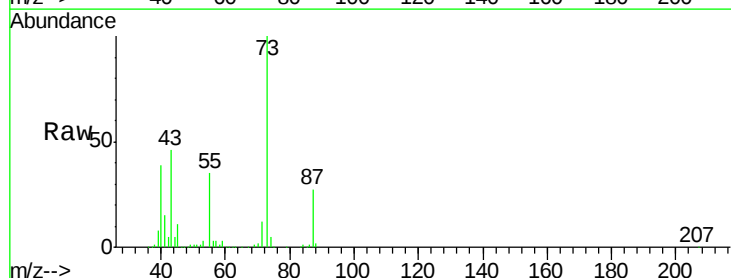
Tgt Ion: 88 Resp: 3413

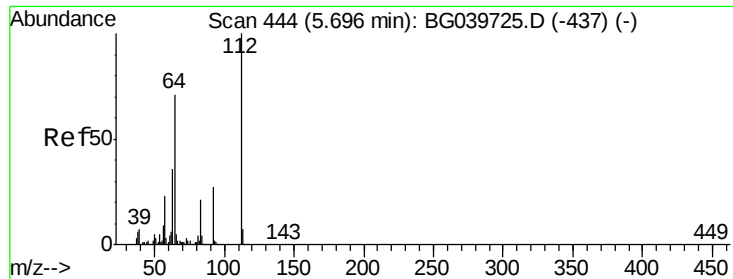
Ion Ratio Lower Upper

88 100

58 41.6 81.1 121.7#

43 2852.1 31.4 47.0#





#5

2-Fluorophenol

Concen: 68.068 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040051.D

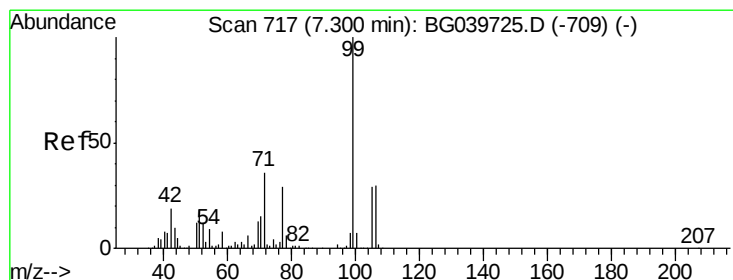
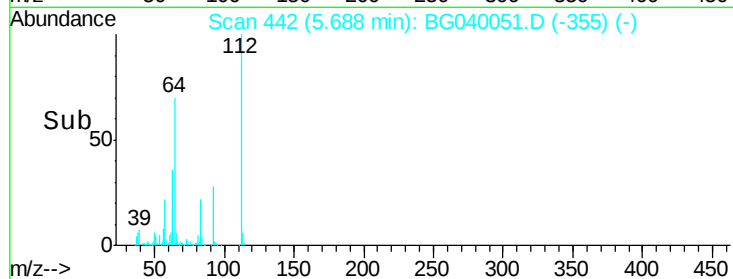
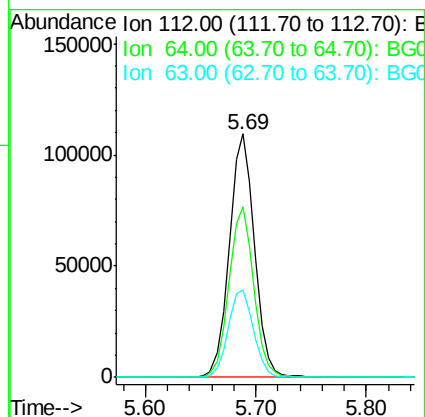
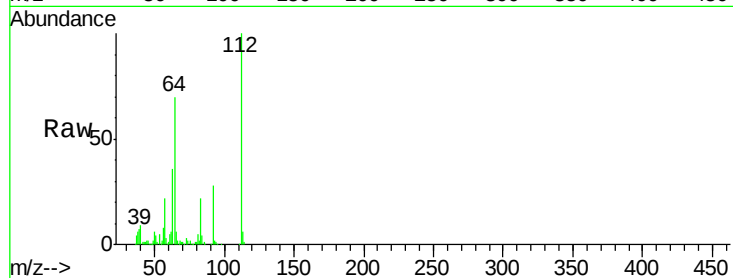
Acq: 21 Mar 2019 1:06

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	174242
Ion	Ratio	Lower	Upper
112	100		
64	69.9	57.8	86.8
63	35.8	29.8	44.6



#7

Phenol-d6

Concen: 42.964 ng

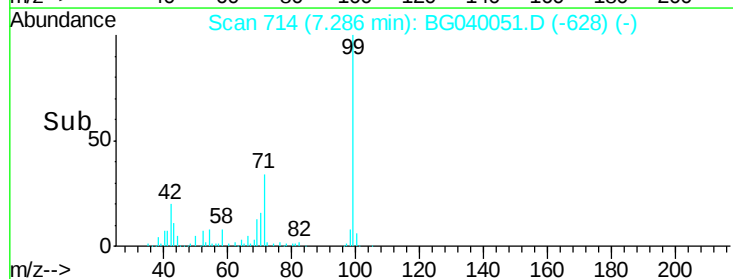
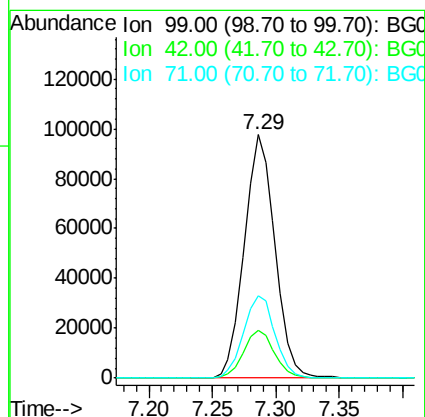
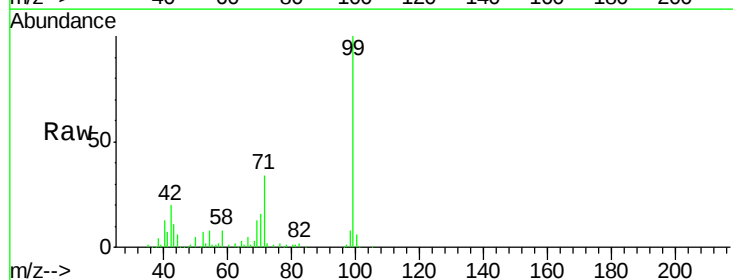
RT: 7.29 min Scan# 714

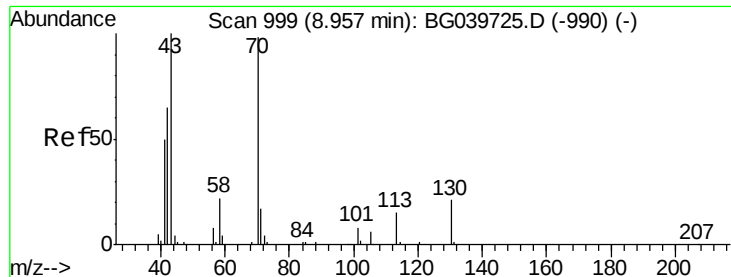
Delta R.T. -0.03 min

Lab File: BG040051.D

Acq: 21 Mar 2019 1:06

Tgt Ion:	99	Resp:	163988
Ion	Ratio	Lower	Upper
99	100		
42	19.7	18.2	27.2
71	33.7	28.0	42.0

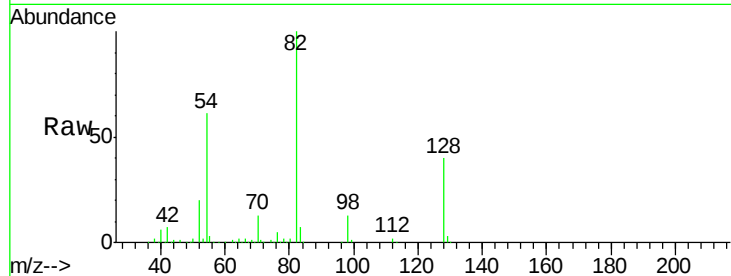




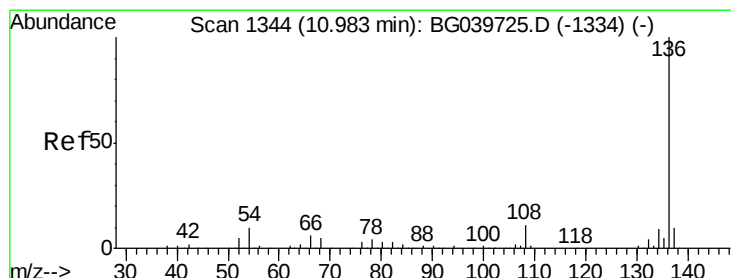
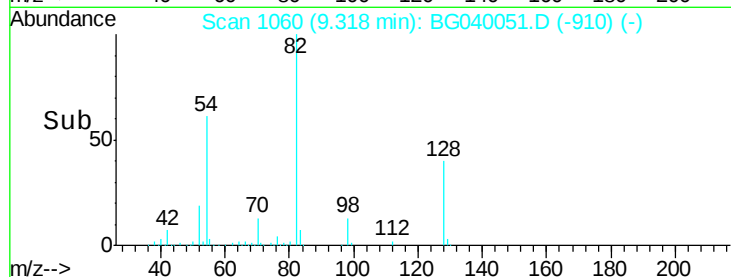
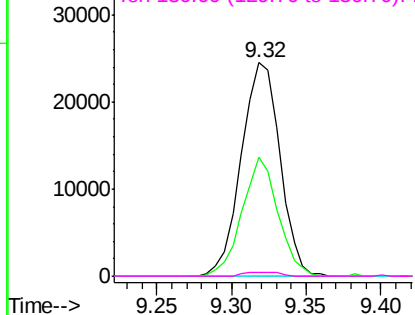
#19
n-Nitroso-di-n-propylamine
Concen: 16.006 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040051.D
Acq: 21 Mar 2019 1:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 43972
Ion Ratio Lower Upper
70 100
42 56.0 60.4 90.6#
101 0.0 7.5 11.3#
130 1.7 16.9 25.3#

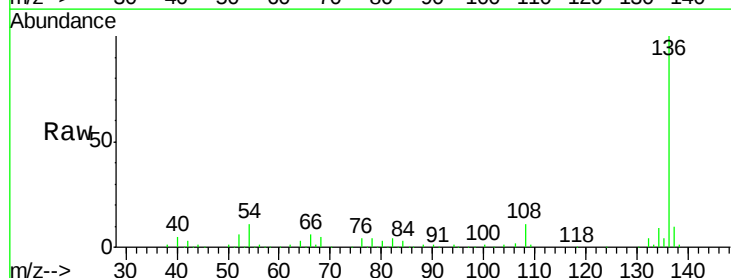


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

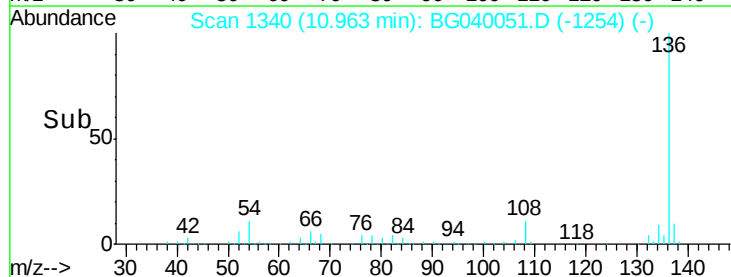
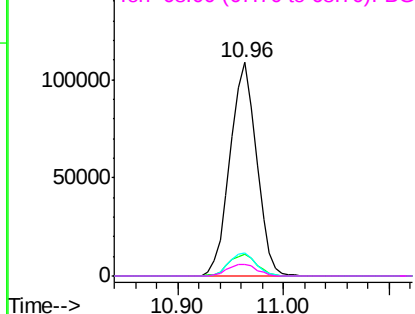


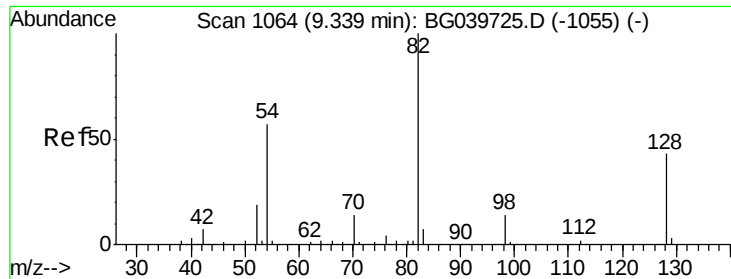
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040051.D
Acq: 21 Mar 2019 1:06

Tgt Ion:136 Resp: 188362
Ion Ratio Lower Upper
136 100
137 9.9 9.1 13.7
54 10.6 9.4 14.2
68 5.1 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

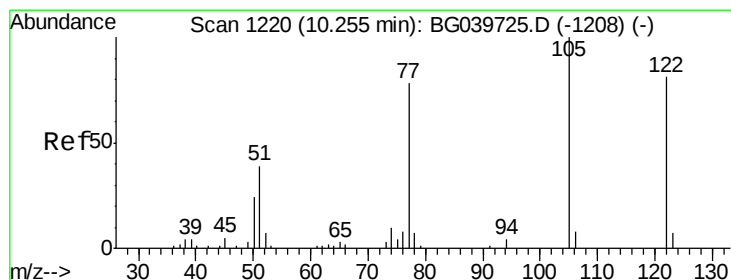
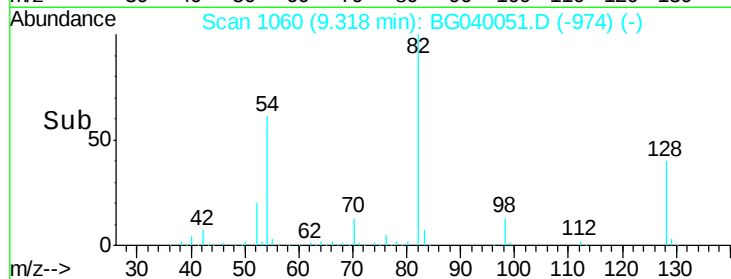
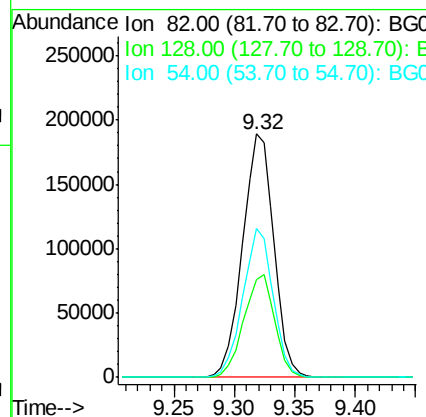
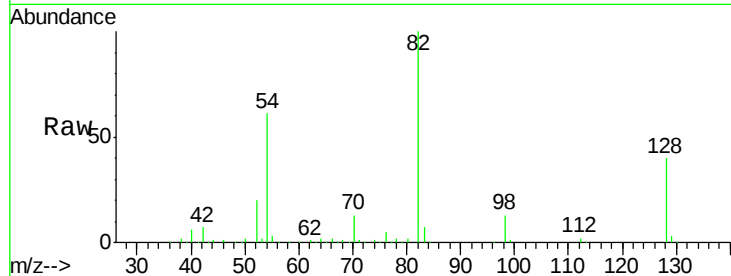




#23
 Nitrobenzene-d5
 Concen: 98.136 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

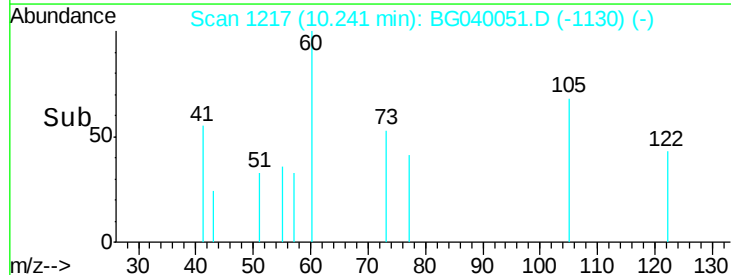
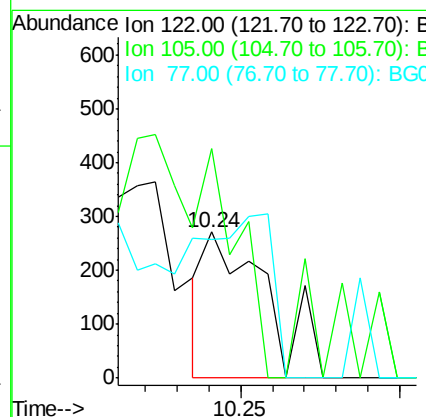
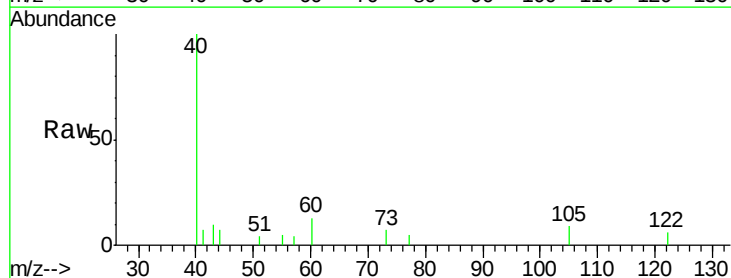
Instrument :
 BNA_G
 ClientSampleId :

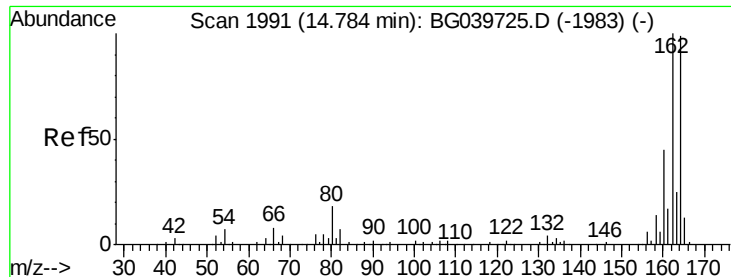
Tot Ion: 82 Resp: 341785
 Ion Ratio Lower Upper
 82 100
 128 40.3 31.3 46.9
 54 61.3 50.9 76.3



#32
 Benzoic acid
 Concen: 6.767 ng
 RT: 10.24 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

Tgt Ion: 122 Resp: 368
 Ion Ratio Lower Upper
 122 100
 105 157.2 101.8 141.8#
 77 95.2 76.3 116.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040051.D

Acq: 21 Mar 2019 1:06

Instrument :

BNA_G

ClientSampled :

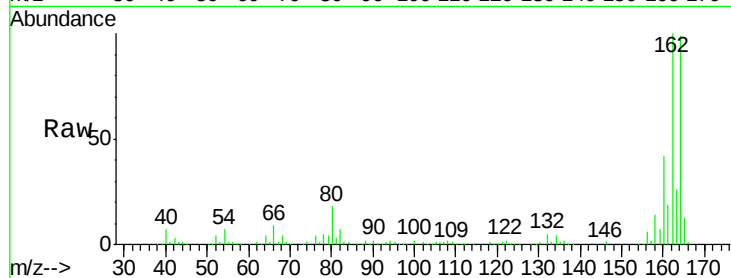
Tot Ion:164 Resp: 123880

Ion Ratio Lower Upper

164 100

162 101.5 81.6 122.4

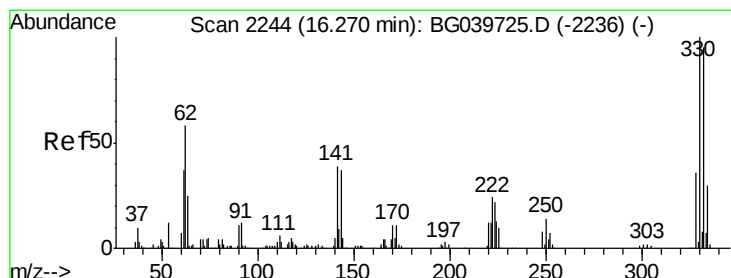
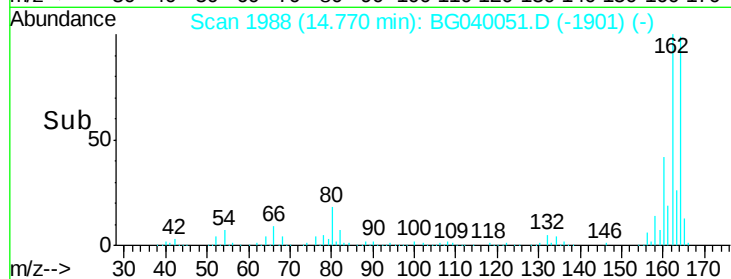
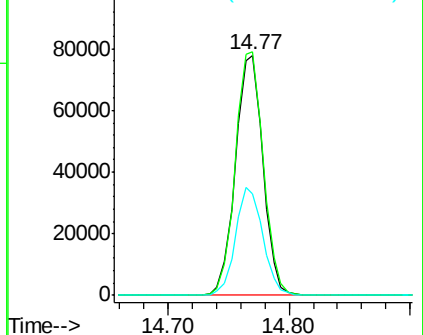
160 42.3 34.2 51.2



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: 139.988 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040051.D

Acq: 21 Mar 2019 1:06

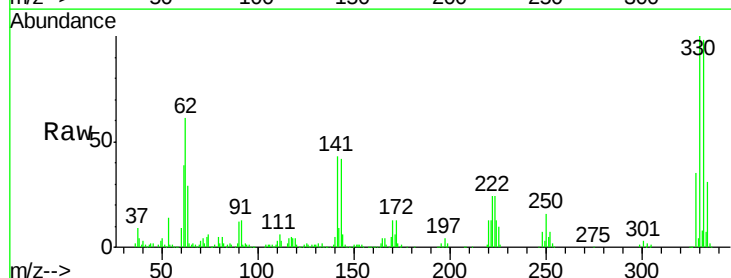
Tgt Ion:330 Resp: 202130

Ion Ratio Lower Upper

330 100

332 96.4 75.7 113.5

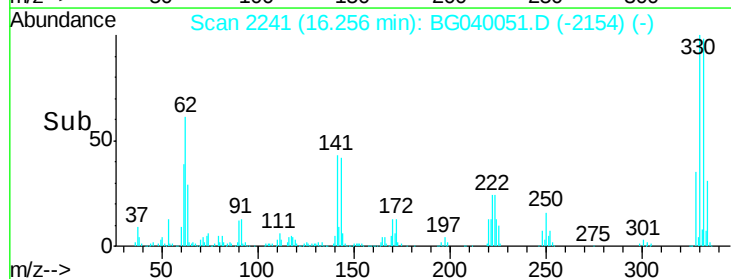
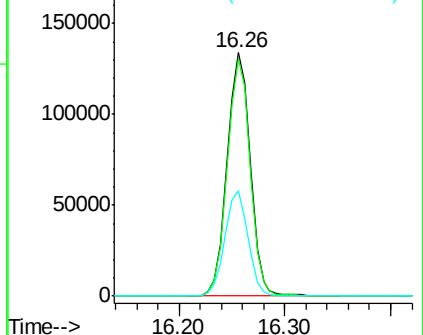
141 43.5 35.6 53.4

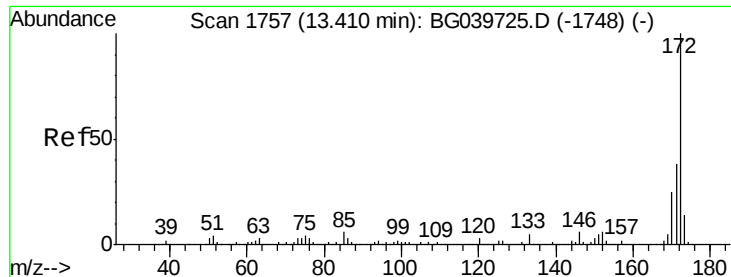


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

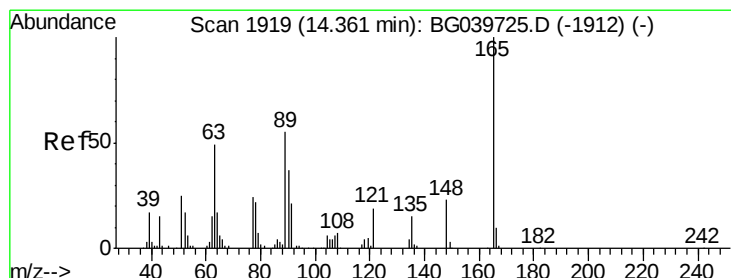
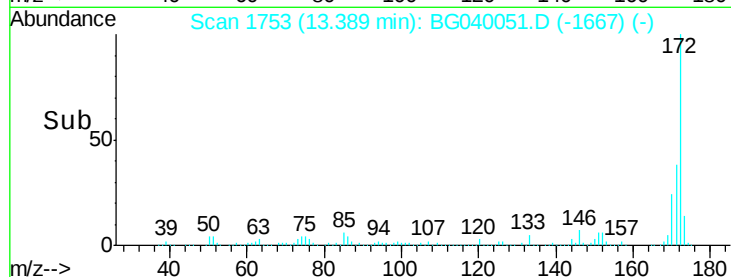
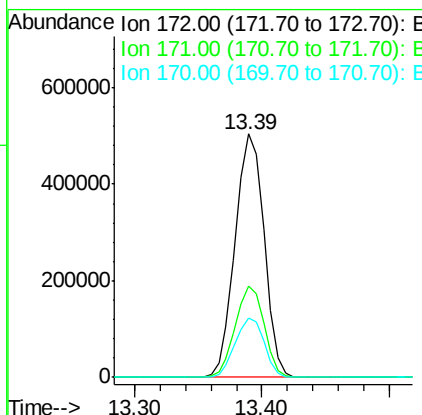
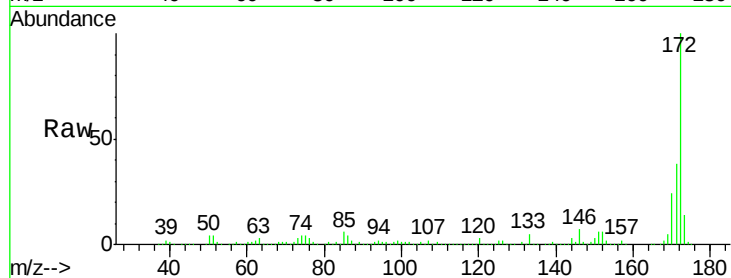




#45
 2-Fluorobiphenyl
 Concen: 91.769 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

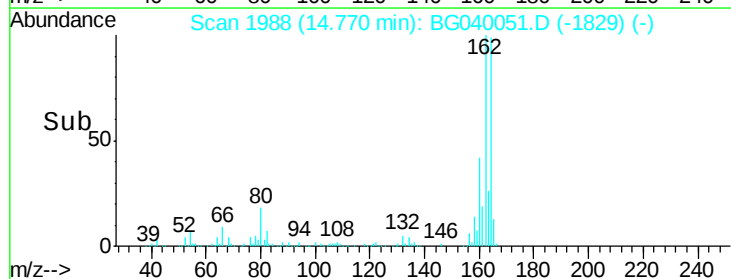
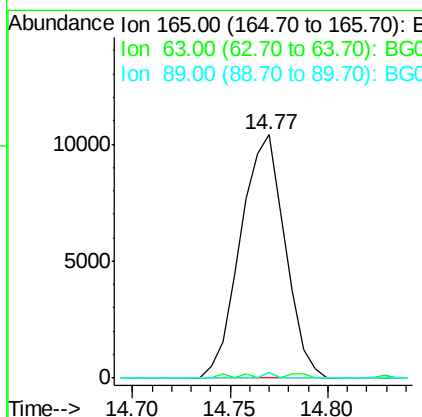
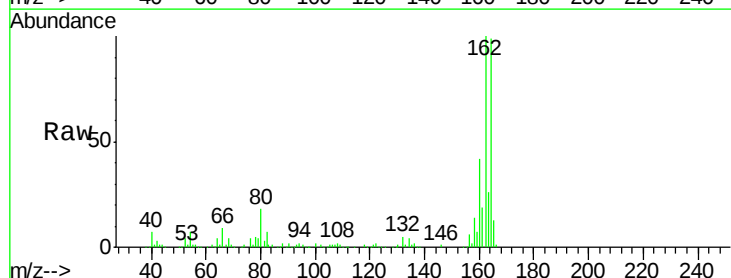
Instrument :
 BNA_G
 ClientSampleId :

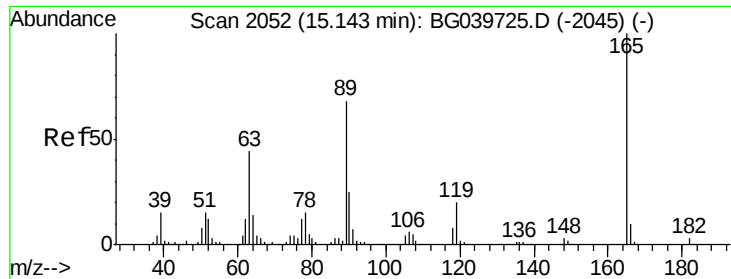
Tot Ion:172 Resp: 798438
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 24.4 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.480 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

Tgt Ion:165 Resp: 16426
 Ion Ratio Lower Upper
 165 100
 63 2.0 47.0 70.6#
 89 2.1 45.8 68.8#

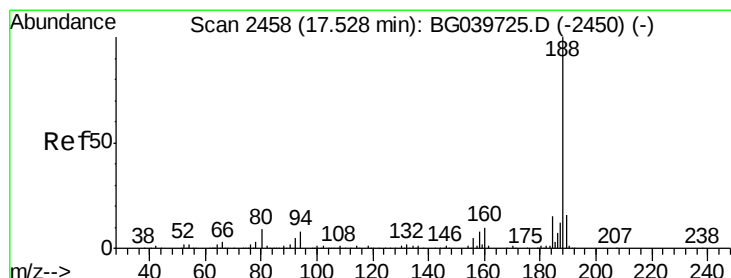
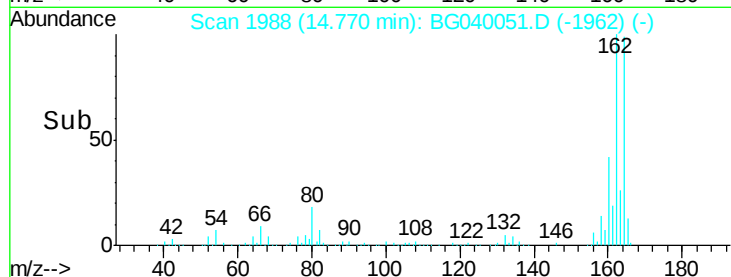
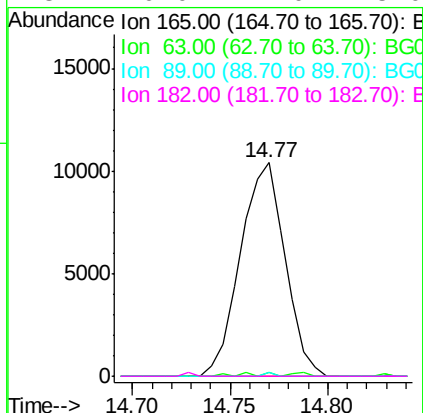
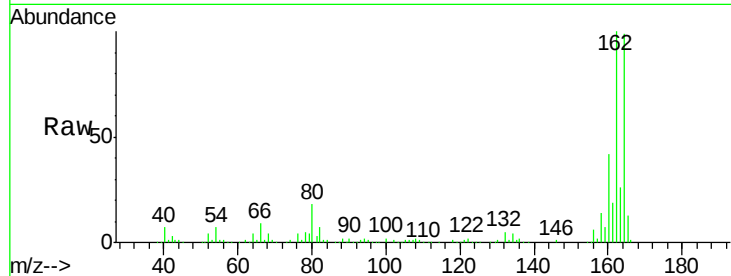




#57
 2,4-Dinitrotoluene
 Concen: 5.323 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

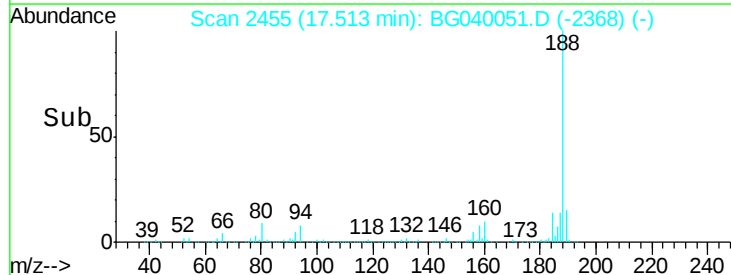
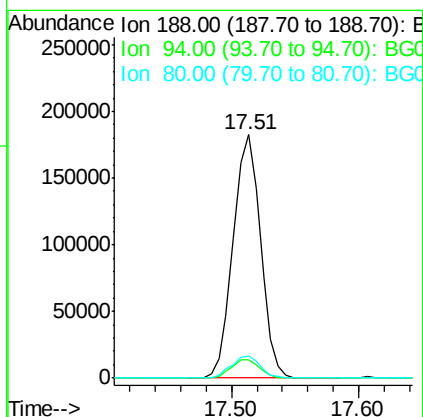
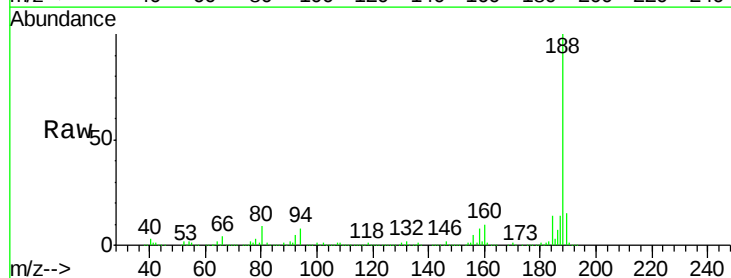
Instrument :
 BNA_G
 ClientSampleId :

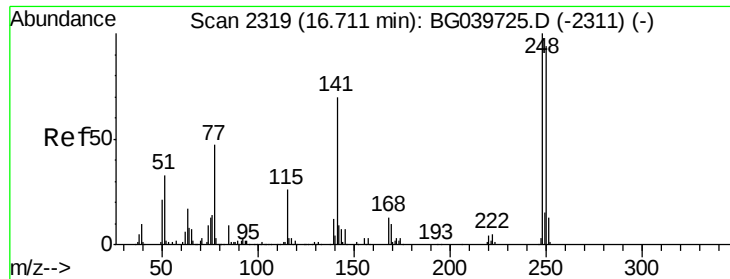
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.9	10.3
80	9.2	8.1	12.1

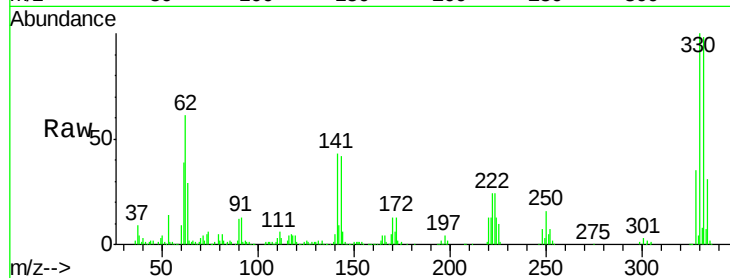




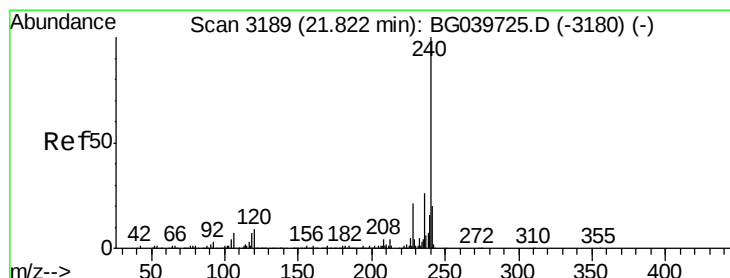
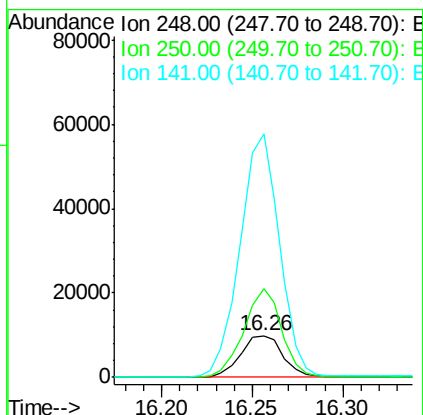
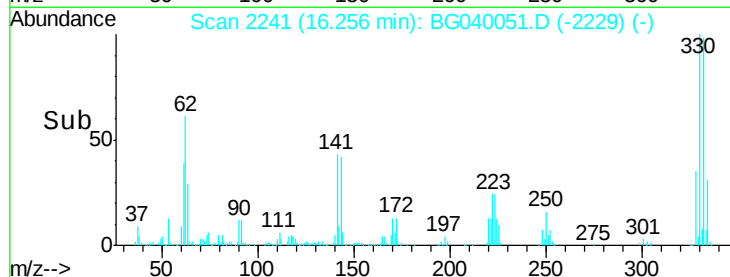
#67
 4-Bromophenyl-phenylether
 Concen: 5.189 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15877
 Ion Ratio Lower Upper
 248 100
 250 211.3 77.6 116.4#
 141 583.0 63.9 95.9#

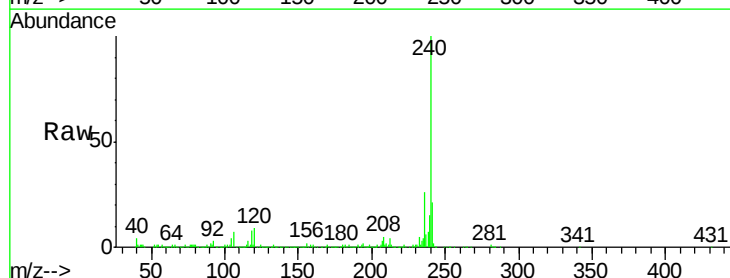


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

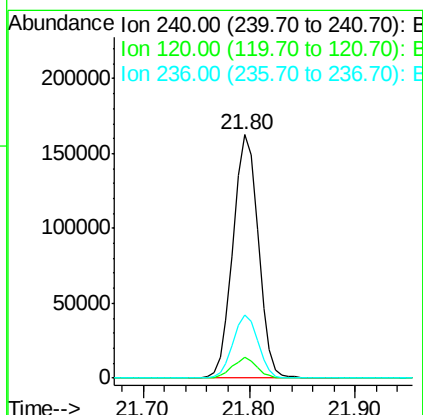
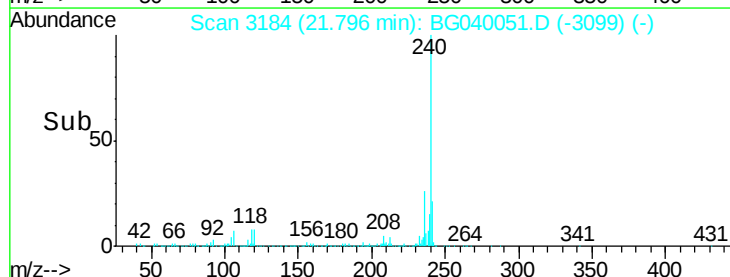


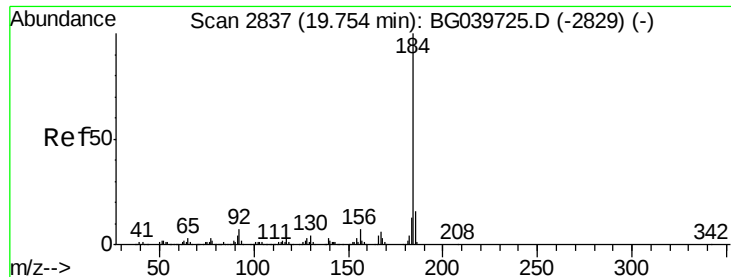
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

Tgt Ion:240 Resp: 268874
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 25.9 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: 2.416 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040051.D

Acq: 21 Mar 2019 1:06

Instrument :

BNA_G

ClientSampleId :

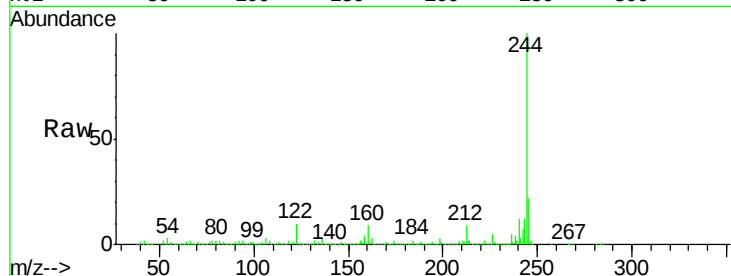
Tot Ion:184 Resp: 20615

Ion Ratio Lower Upper

184 100

185 20.4 12.2 18.2#

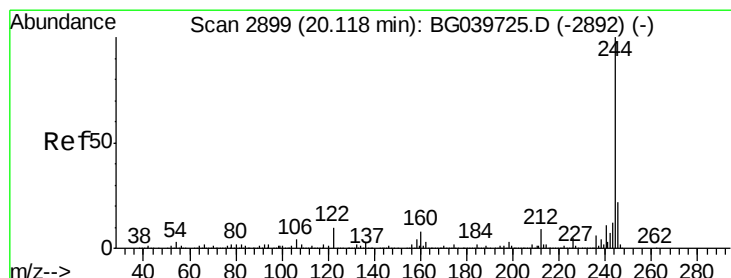
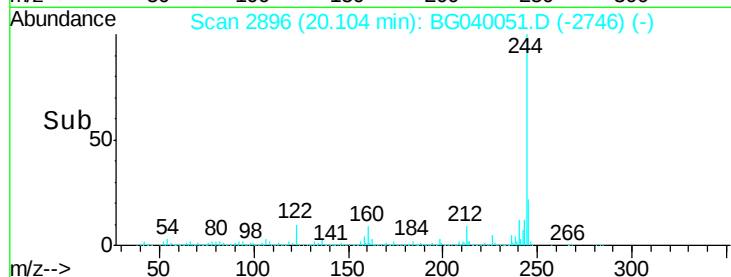
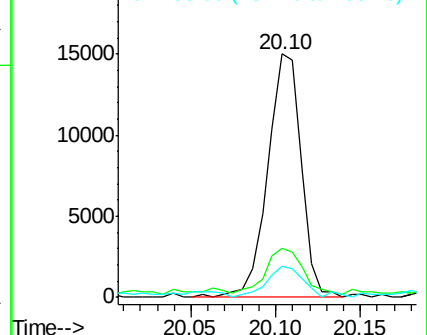
183 12.9 10.6 15.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 89.223 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040051.D

Acq: 21 Mar 2019 1:06

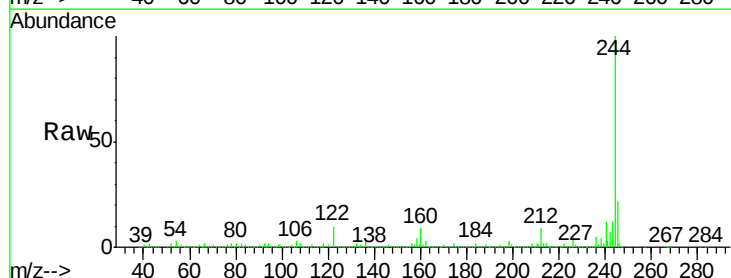
Tgt Ion:244 Resp: 1089551

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

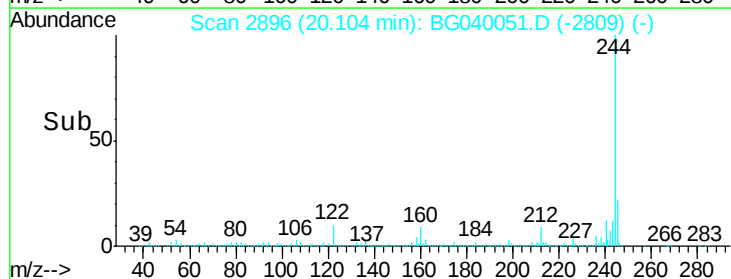
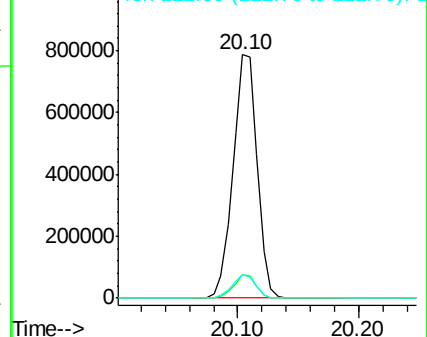
122 9.7 8.4 12.6

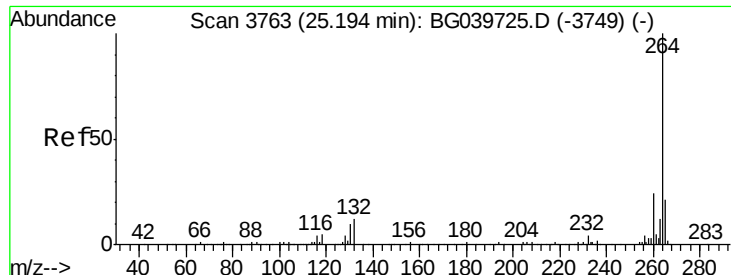


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

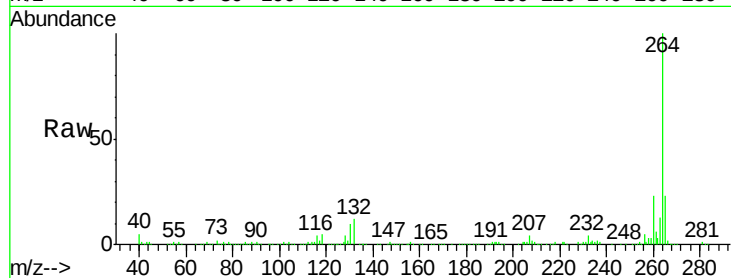




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.04 min
 Lab File: BG040051.D
 Acq: 21 Mar 2019 1:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	23.0	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

