

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040056.D
 Acq On : 21 Mar 2019 5:47
 Operator : JU/SJ
 Sample : K1688-22
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:31:32 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

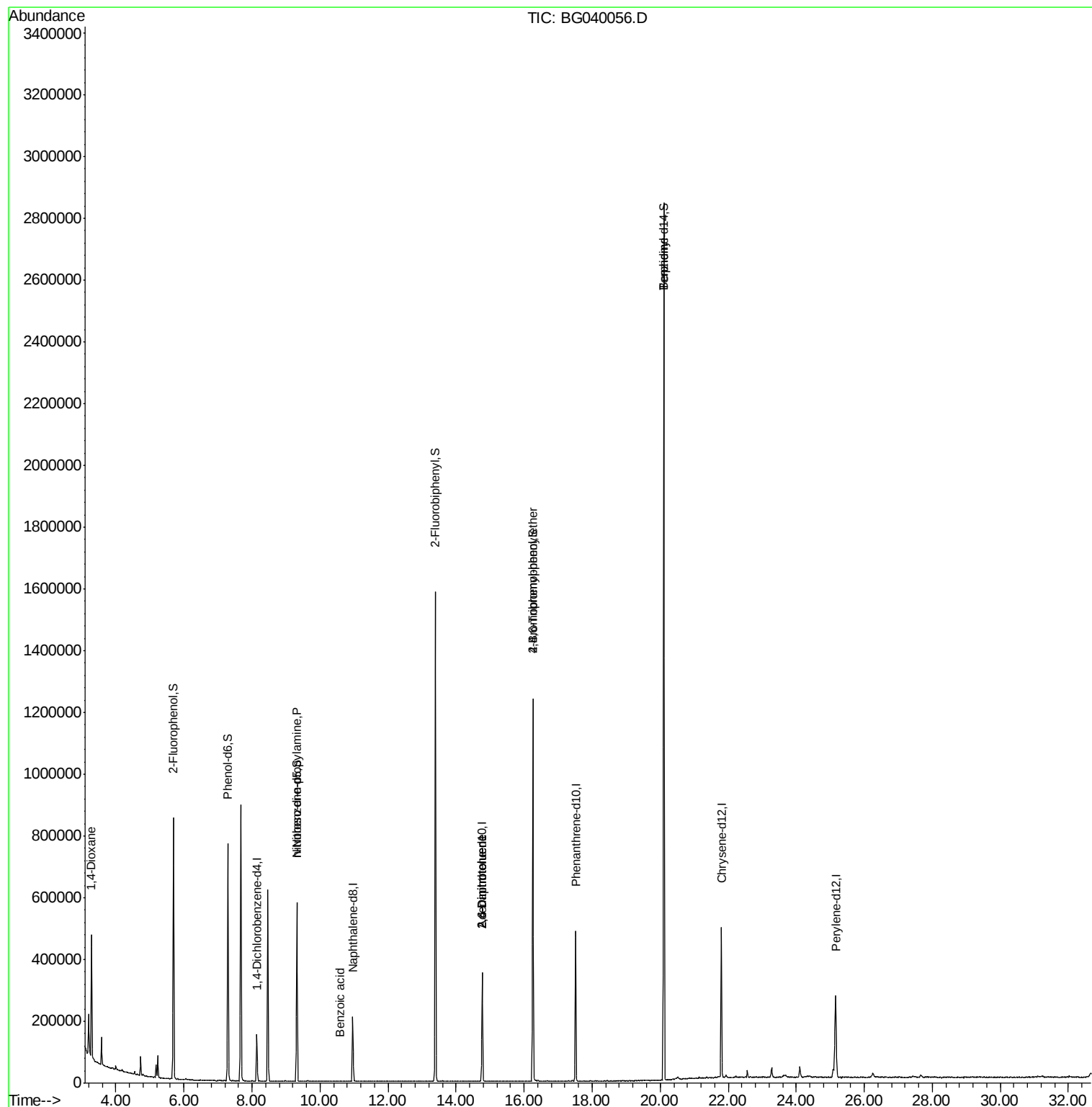
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	41705	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	181093	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	124651	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	306898	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	301772	20.00	ng	-0.03
87) Perylene-d12	25.16	264	297056	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	338600	138.51	ng	-0.02
7) Phenol-d6	7.29	99	445030	122.09	ng	-0.02
23) Nitrobenzene-d5	9.32	82	347570	103.80	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	224238	154.34	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	828792	94.67	ng	-0.02
79) Terphenyl-d14	20.11	244	1330760	97.10	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.28	88	3528	3.126	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	44722	17.046	ng	# 67
32) Benzoic acid	10.59	122	69	6.631	ng	# 1
51) 2,6-Dinitrotoluene	14.77	165	15233	6.894	ng	# 25
57) 2,4-Dinitrotoluene	14.77	165	15233	4.906	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	17593	5.121	ng	# 1
77) Benzidine	20.11	184	24006	2.507	ng	# 93

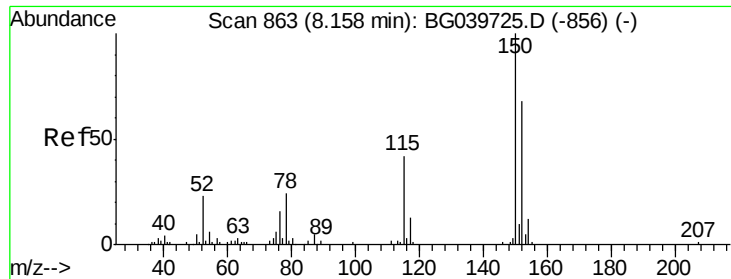
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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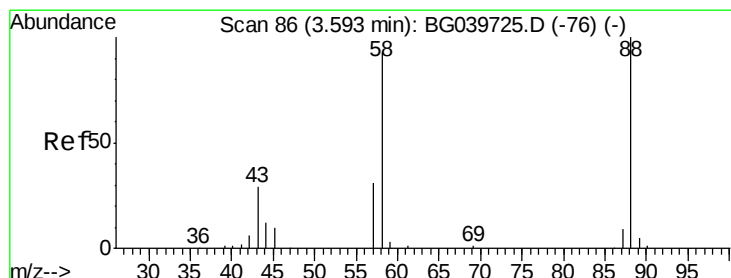
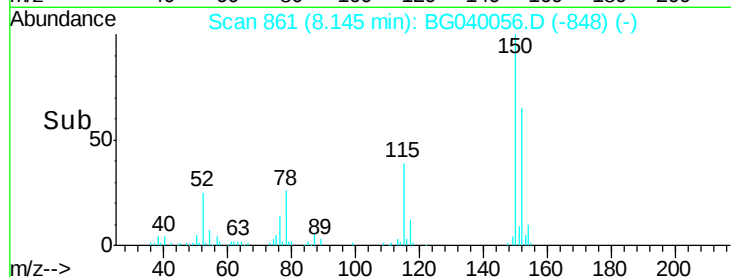
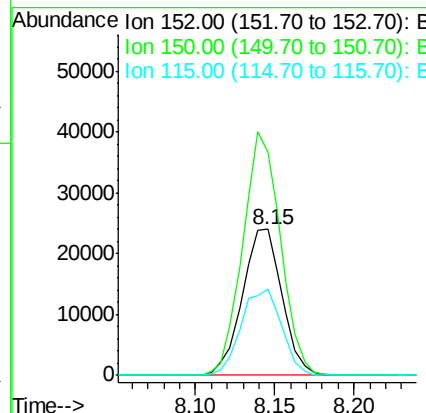
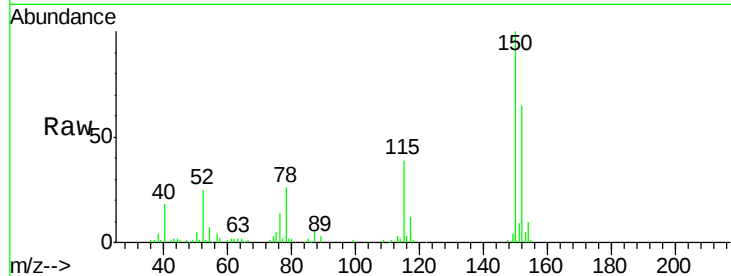


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG040056.D
Acq: 21 Mar 2019 5:47

Instrument :
BNA_G
ClientSampled :

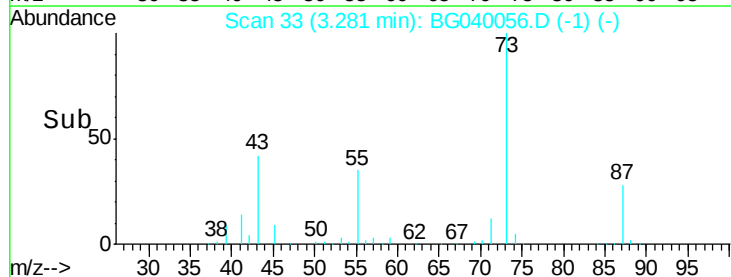
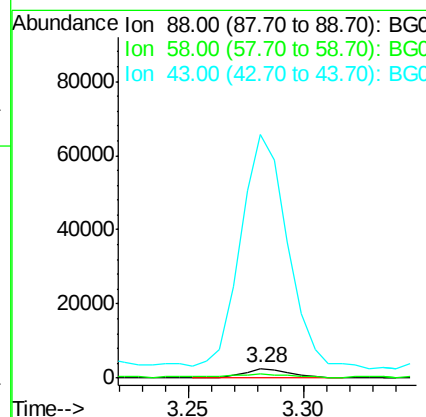
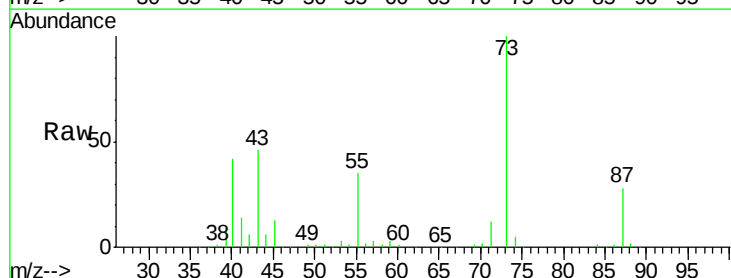
Tot Ion:152 Resp: 41705
Ion Ratio Lower Upper
152 100
150 152.8 123.7 185.5
115 59.3 45.9 68.9

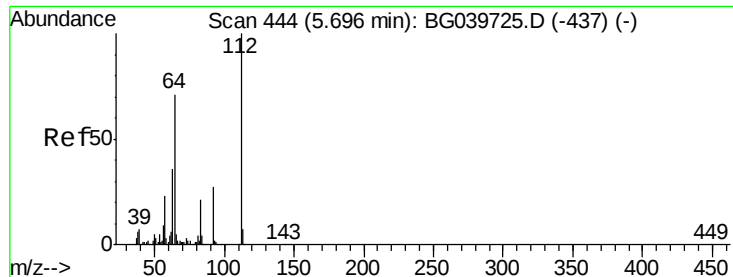


#2

1,4-Dioxane
Concen: 3.126 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.32 min
Lab File: BG040056.D
Acq: 21 Mar 2019 5:47

Tgt Ion: 88 Resp: 3528
Ion Ratio Lower Upper
88 100
58 49.5 81.1 121.7#
43 2550.5 31.4 47.0#





#5

2-Fluorophenol

Concen: 138.510 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

Instrument :

BNA_G

ClientSampleId :

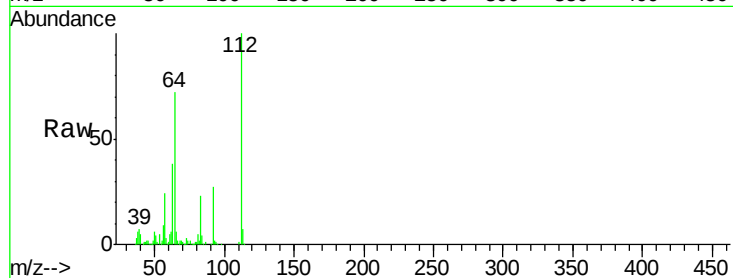
Tot Ion:112 Resp: 338600

Ion Ratio Lower Upper

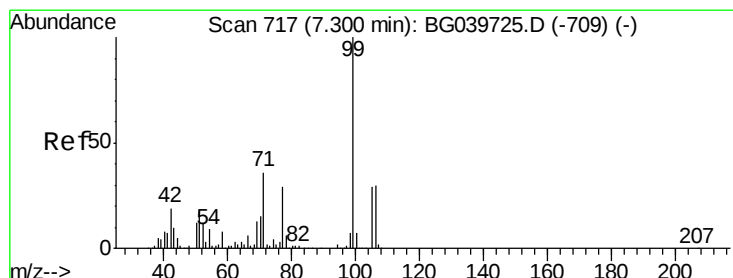
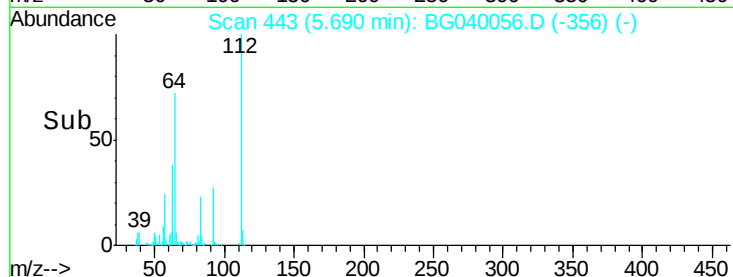
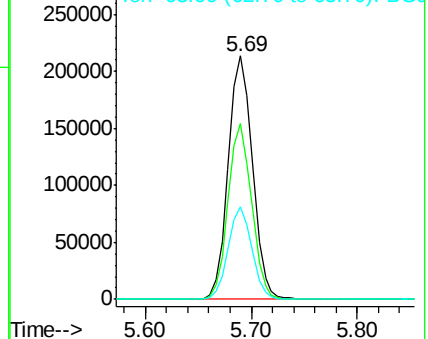
112 100

64 72.1 57.8 86.8

63 37.8 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: 122.092 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

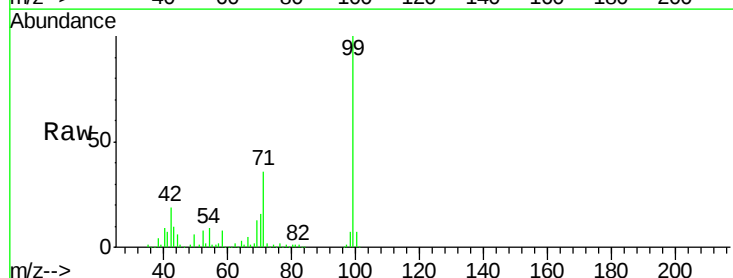
Tgt Ion: 99 Resp: 445030

Ion Ratio Lower Upper

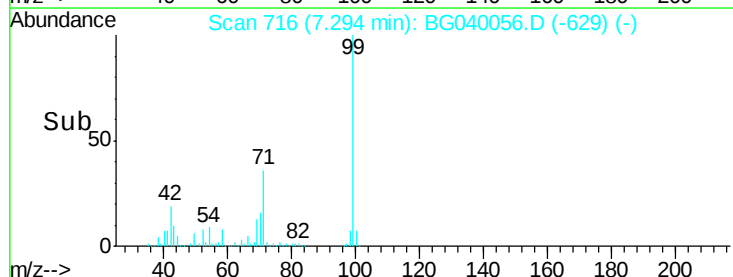
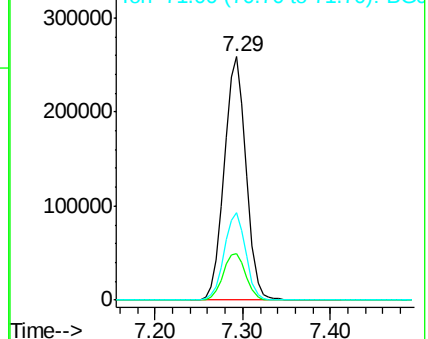
99 100

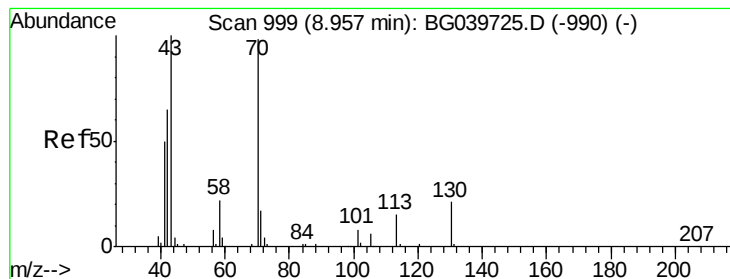
42 19.2 18.2 27.2

71 36.0 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: 17.046 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 44722

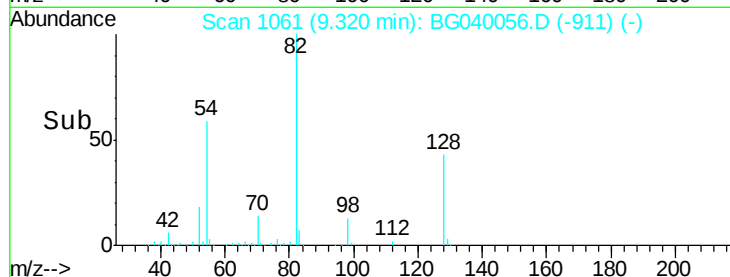
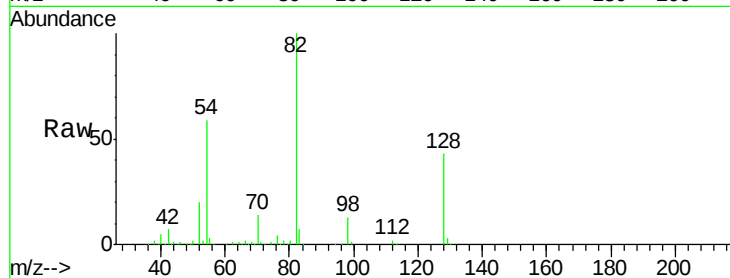
Ion Ratio Lower Upper

70 100

42 48.6 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#

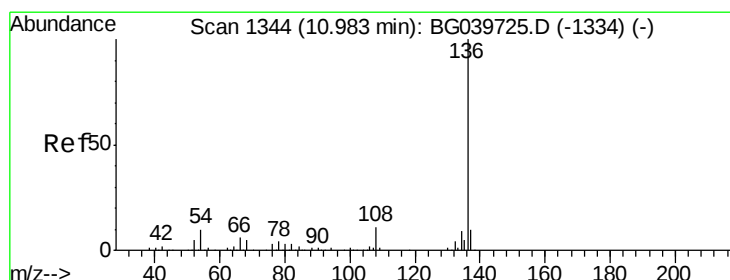
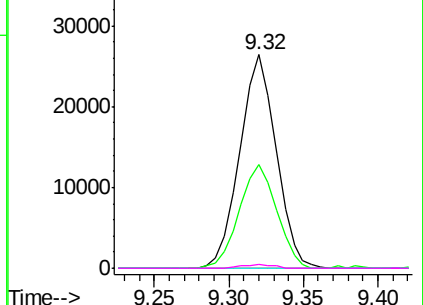


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG040056.D

Acq: 21 Mar 2019 5:47

Tgt Ion: 136 Resp: 181093

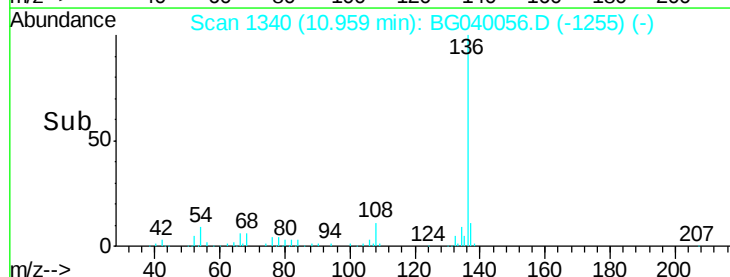
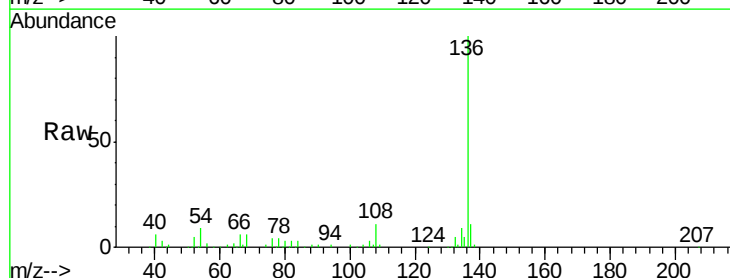
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.4 9.4 14.2#

68 6.1 4.2 6.4

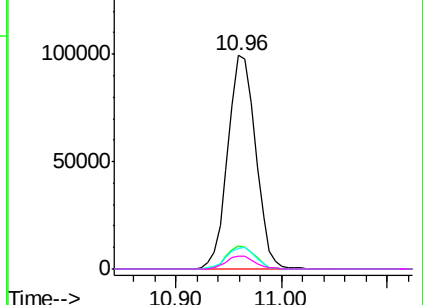


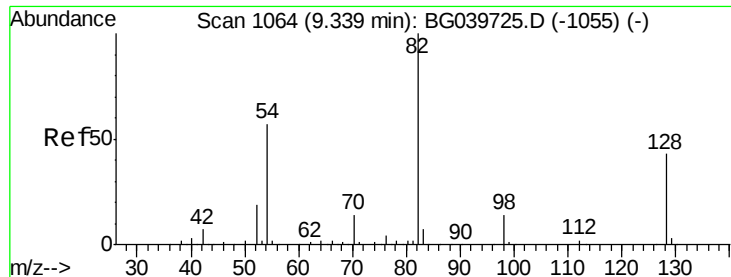
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

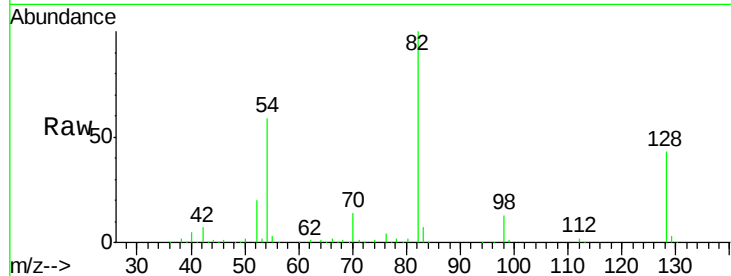




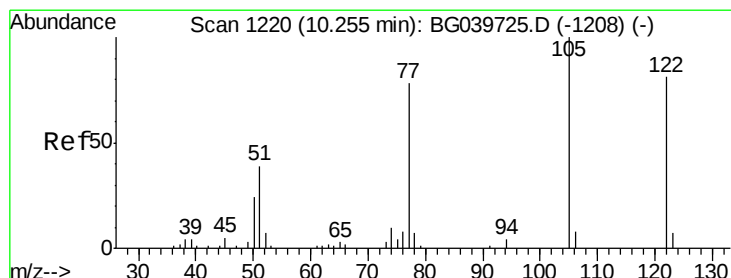
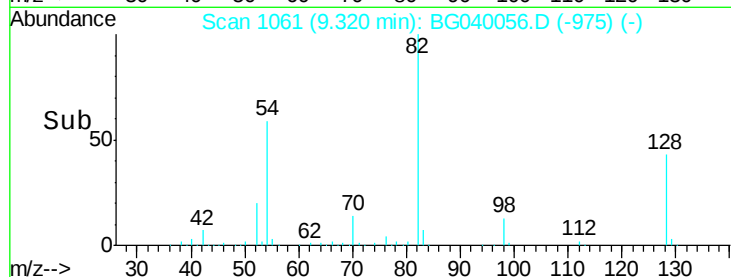
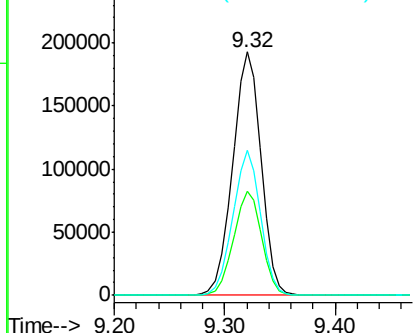
#23
 Nitrobenzene-d5
 Concen: 103.803 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040056.D
 Acq: 21 Mar 2019 5:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 347570
 Ion Ratio Lower Upper
 82 100
 128 42.7 31.3 46.9
 54 59.4 50.9 76.3

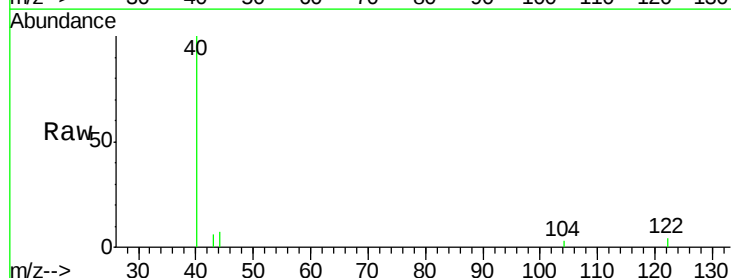


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

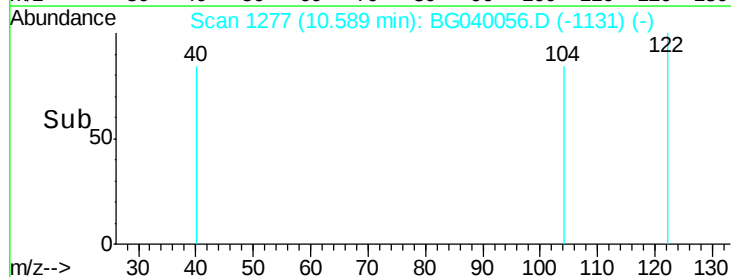
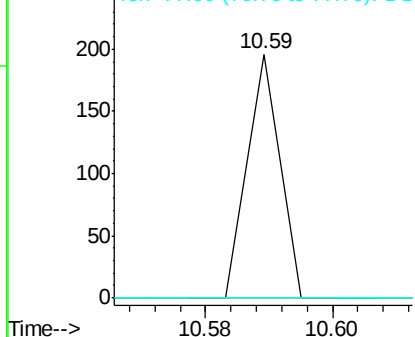


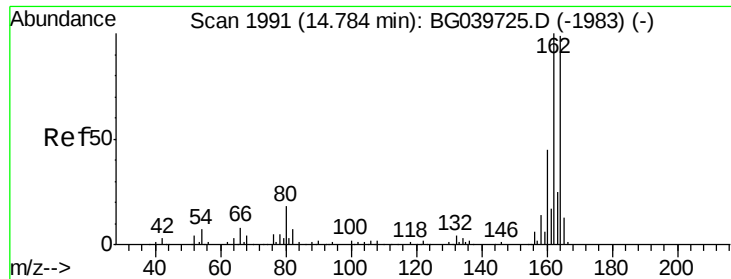
#32
 Benzoic acid
 Concen: 6.631 ng
 RT: 10.59 min Scan# 1277
 Delta R.T. 0.33 min
 Lab File: BG040056.D
 Acq: 21 Mar 2019 5:47

Tgt Ion: 122 Resp: 69
 Ion Ratio Lower Upper
 122 100
 105 0.0 101.8 141.8#
 77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

Instrument :

BNA_G

ClientSampled :

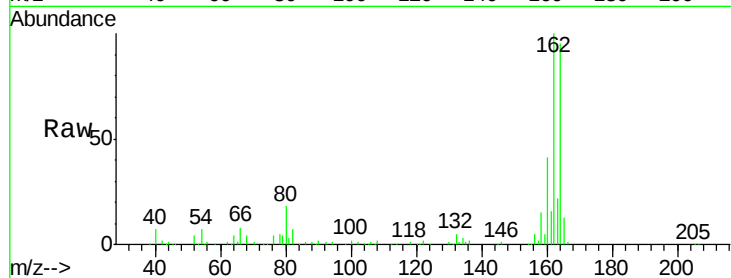
Tot Ion:164 Resp: 124651

Ion Ratio Lower Upper

164 100

162 105.1 81.6 122.4

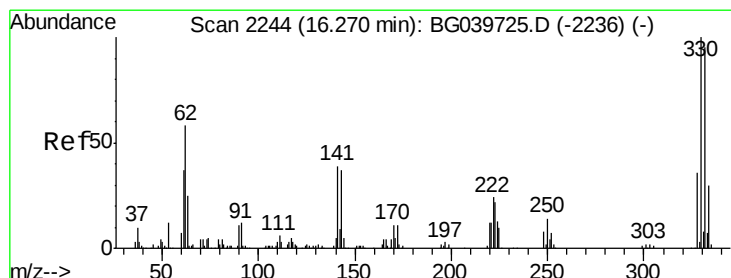
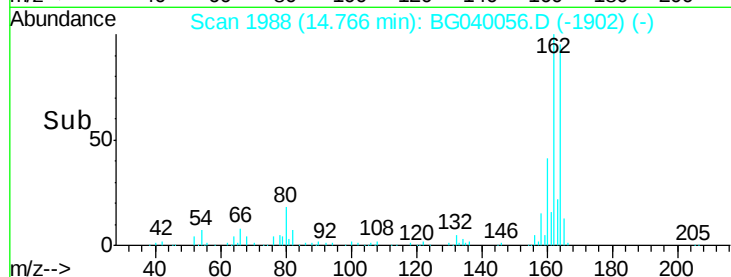
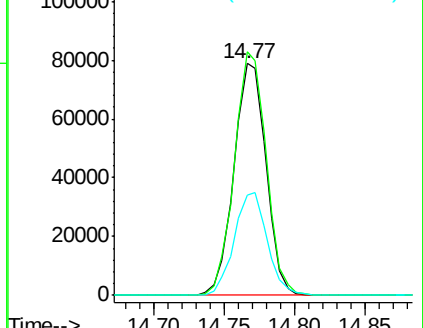
160 43.4 34.2 51.2



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: 154.338 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

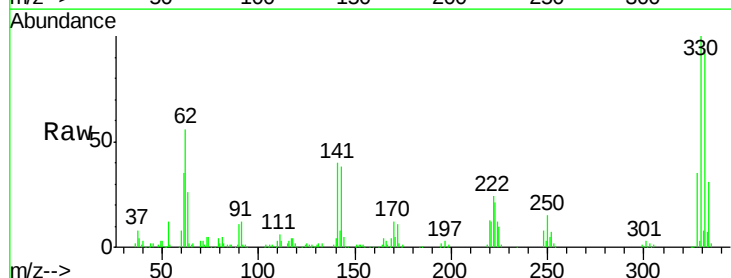
Tgt Ion:330 Resp: 224238

Ion Ratio Lower Upper

330 100

332 97.1 75.7 113.5

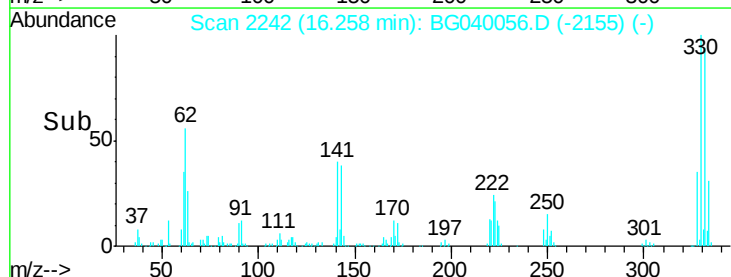
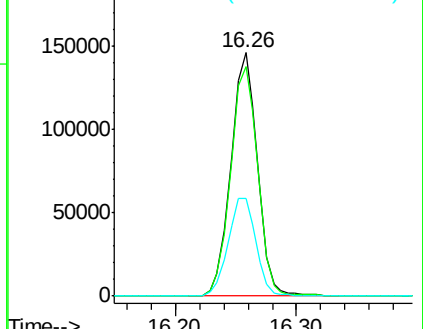
141 42.2 35.6 53.4

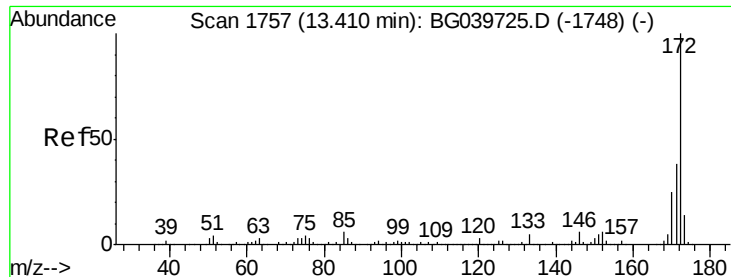


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

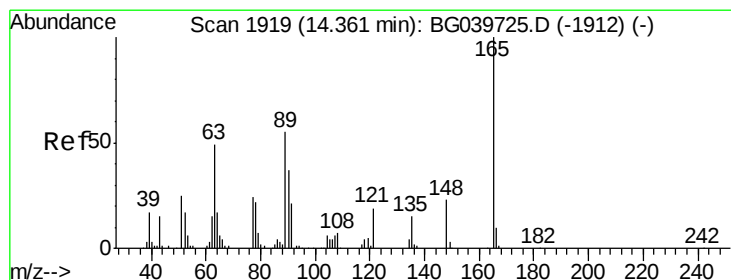
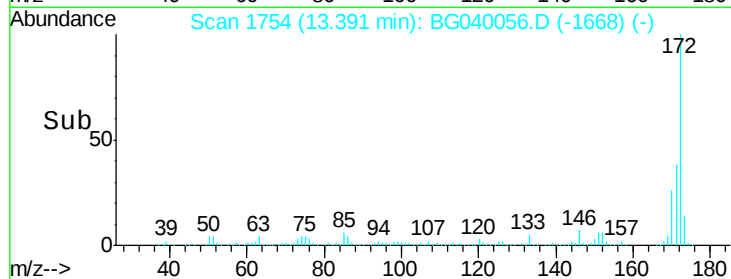
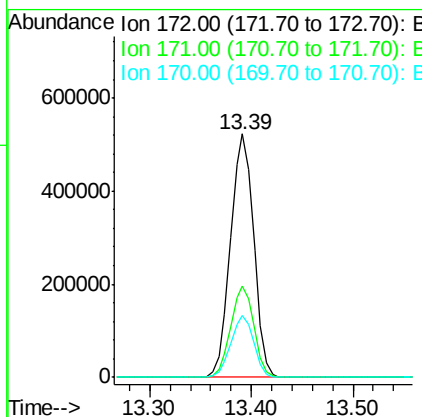
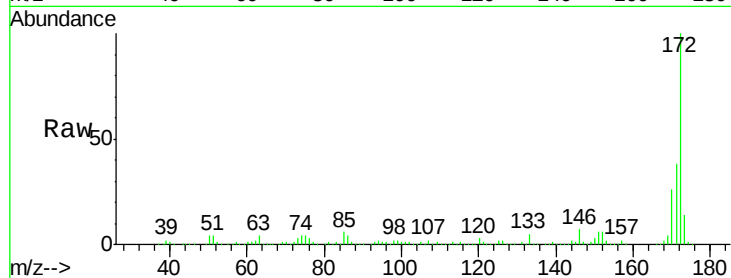




#45
 2-Fluorobiphenyl
 Concen: 94.669 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040056.D
 Acq: 21 Mar 2019 5:47

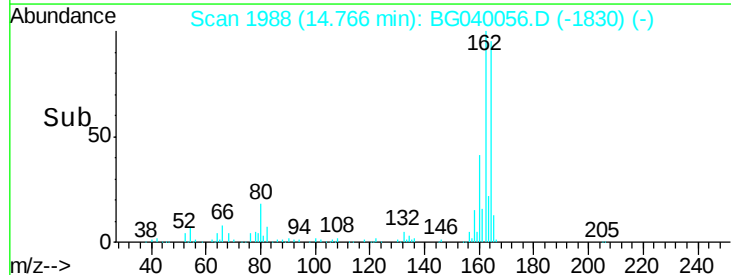
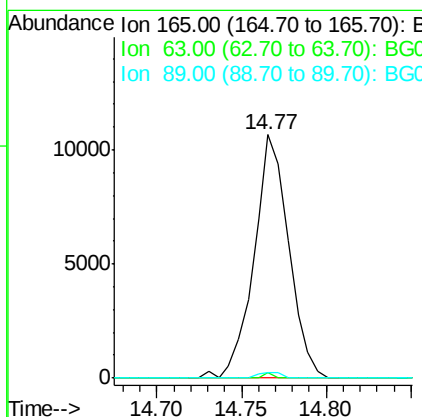
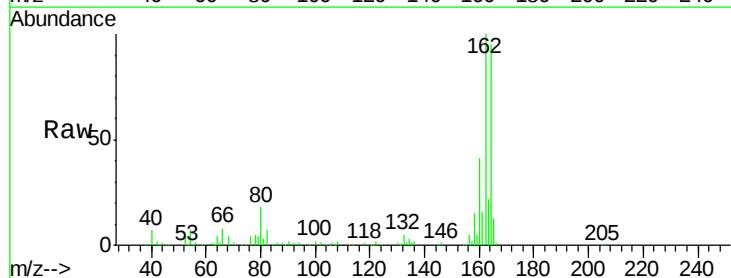
Instrument :
 BNA_G
 ClientSampleId :

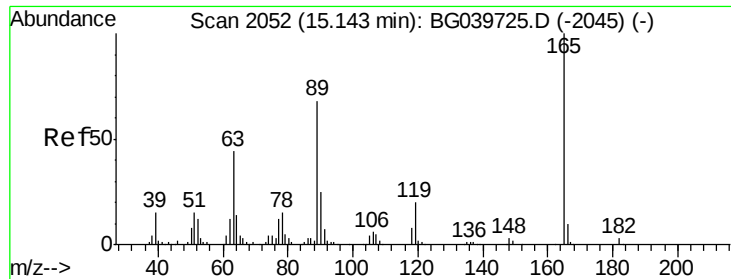
Tot Ion:172 Resp: 828792
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.8 46.2
 170 25.5 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 6.894 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040056.D
 Acq: 21 Mar 2019 5:47

Tgt Ion:165 Resp: 15233
 Ion Ratio Lower Upper
 165 100
 63 2.4 47.0 70.6#
 89 2.1 45.8 68.8#





#57

2,4-Dinitrotoluene

Concen: 4.906 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 15233

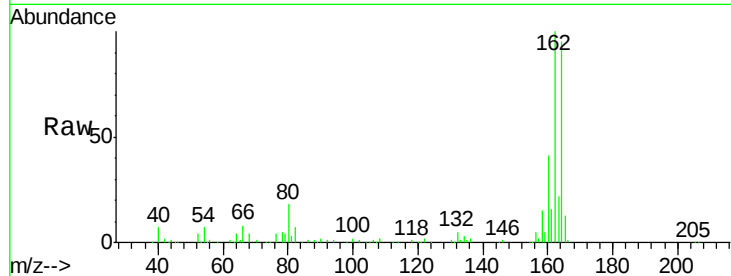
Ion Ratio Lower Upper

165 100

63 2.4 41.0 61.6#

89 2.1 64.6 96.8#

182 0.0 2.0 3.0#

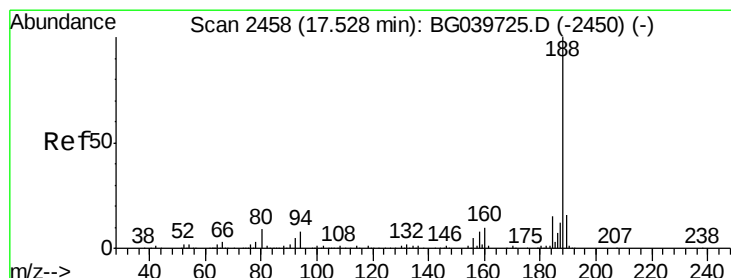
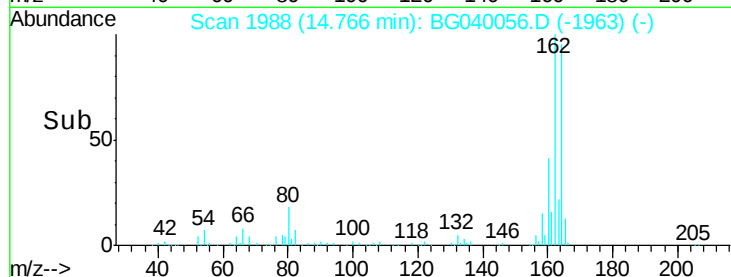
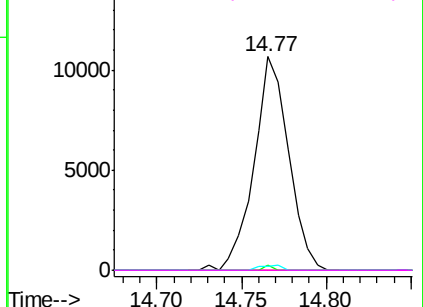


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

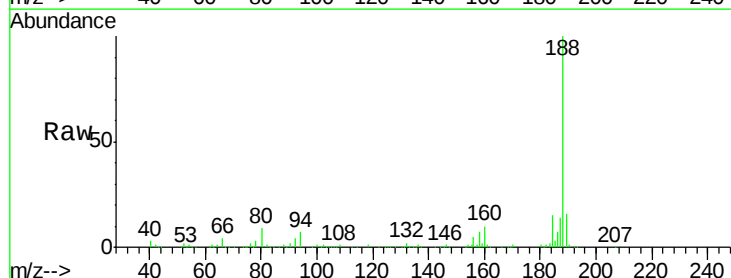
Tgt Ion:188 Resp: 306898

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

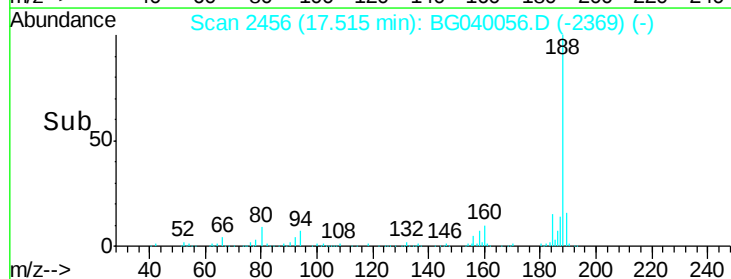
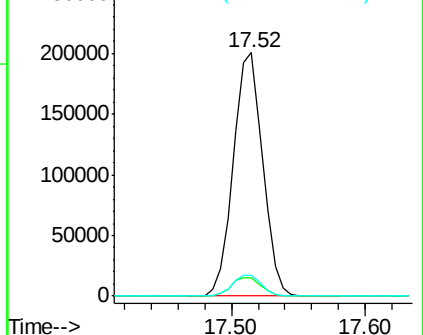
80 8.5 8.1 12.1

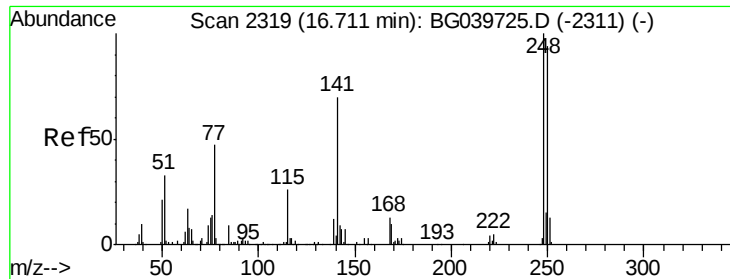


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

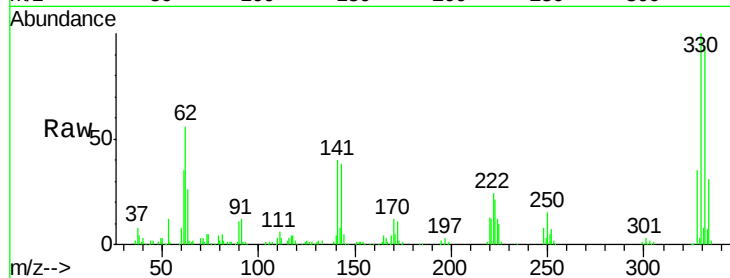




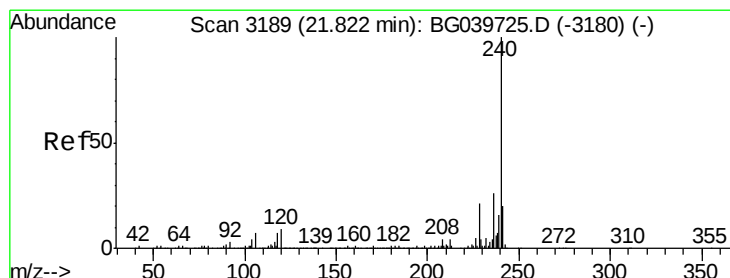
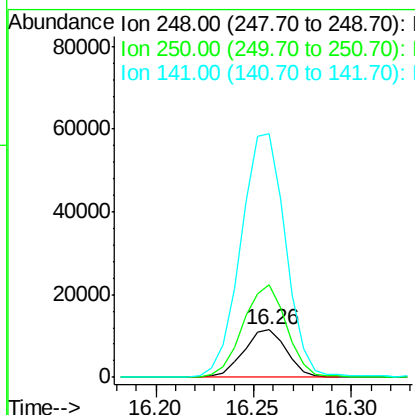
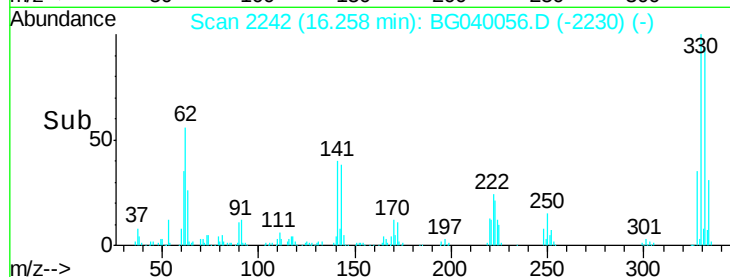
#67
 4-Bromophenyl-phenylether
 Concen: 5.121 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040056.D
 Acq: 21 Mar 2019 5:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.8	77.6	116.4#
141	512.0	63.9	95.9#

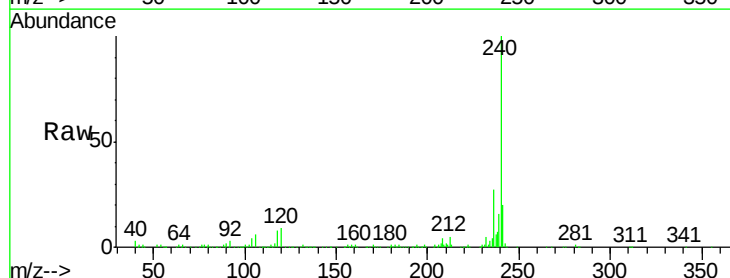


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

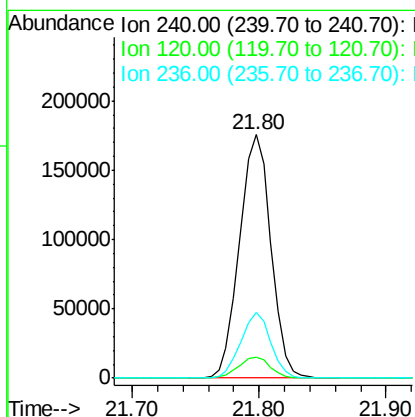
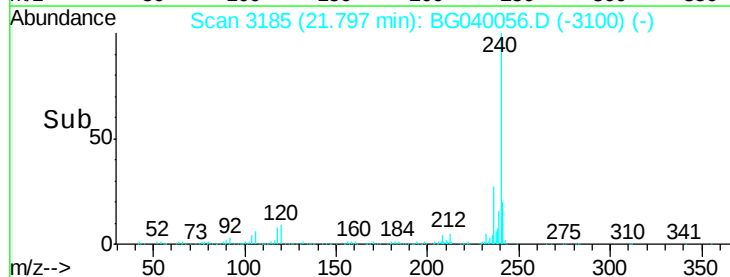


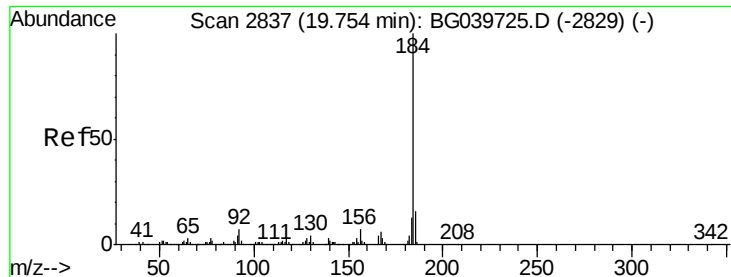
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040056.D
 Acq: 21 Mar 2019 5:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.0	10.6
236	27.2	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: 2.507 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

Instrument :

BNA_G

ClientSampleId :

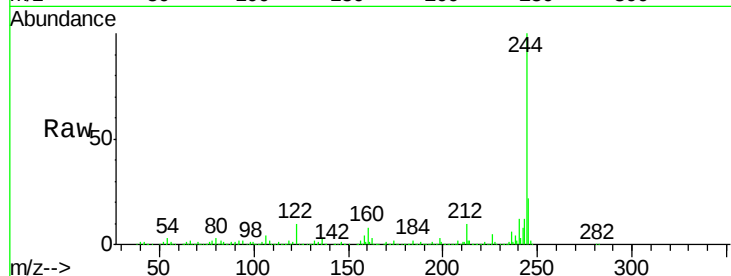
Tot Ion:184 Resp: 24006

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

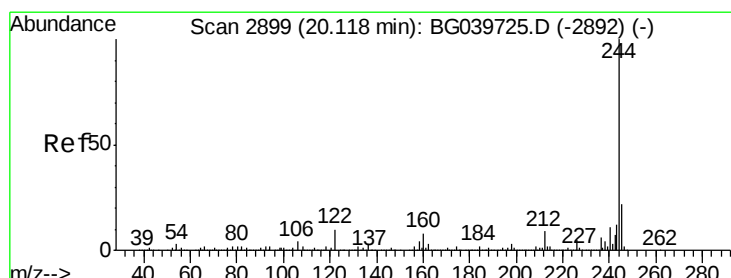
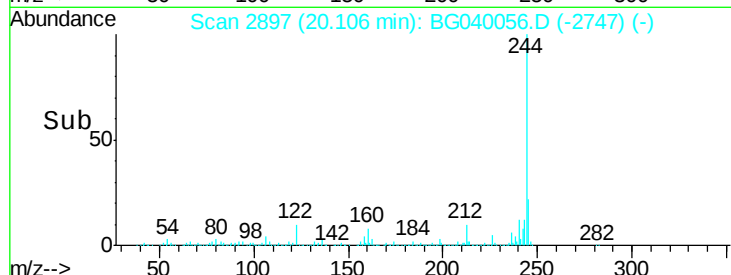
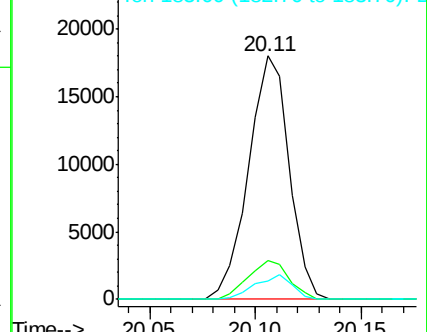
183 7.7 10.6 15.8#



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: 97.096 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040056.D

Acq: 21 Mar 2019 5:47

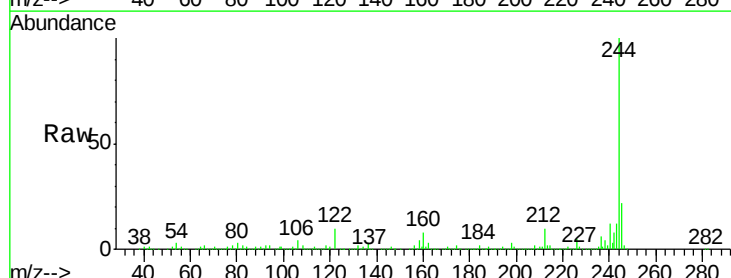
Tgt Ion:244 Resp: 1330760

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

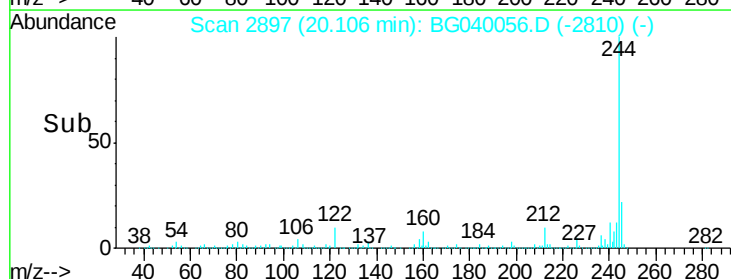
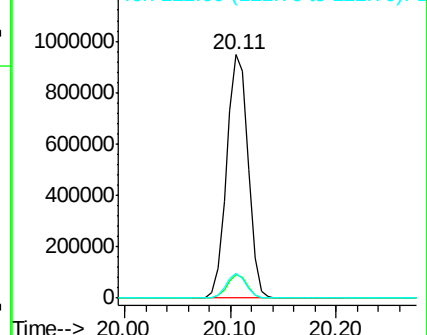
122 10.1 8.4 12.6

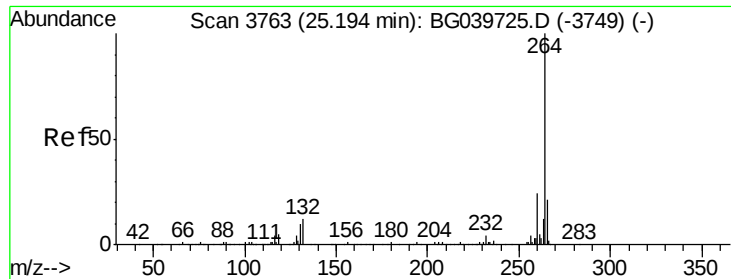


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

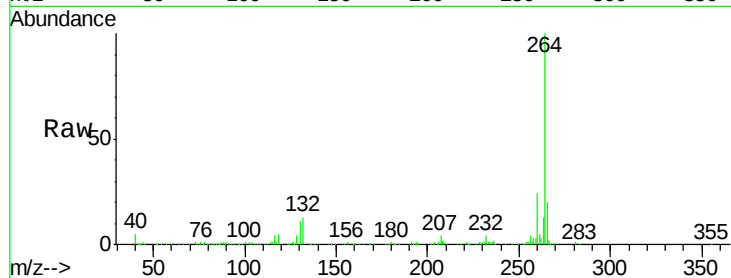




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040056.D
Acq: 21 Mar 2019 5:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	19.8	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

