

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040060.D
 Acq On : 21 Mar 2019 8:26
 Operator : JU/SJ
 Sample : K1688-26
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:32:35 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	41054	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	173886	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	122006	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	301119	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	300395	20.00	ng	-0.03
87) Perylene-d12	25.16	264	296968	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	339595	141.12	ng	-0.02
7) Phenol-d6	7.29	99	441910	123.16	ng	-0.02
23) Nitrobenzene-d5	9.32	82	345235	107.38	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	218064	153.34	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	811171	94.66	ng	-0.03
79) Terphenyl-d14	20.10	244	1330391	97.51	ng	-0.02

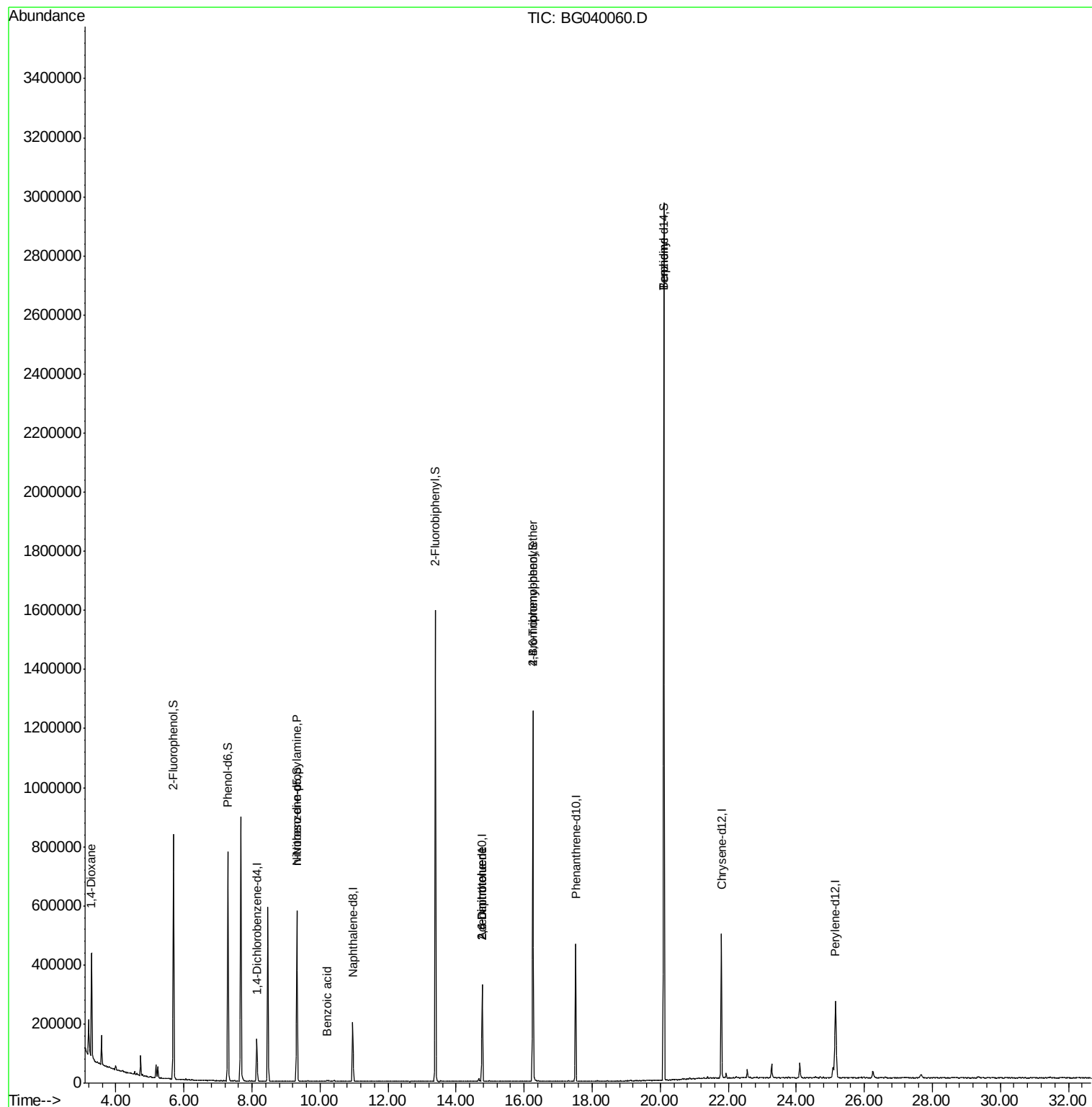
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	3121	2.809	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	45057	17.446	ng	# 72
32) Benzoic acid	10.21	122	1724	7.453	ng	# 89
51) 2,6-Dinitrotoluene	14.77	165	15786	7.299	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	15786	5.195	ng	# 17
67) 4-Bromophenyl-phenylether	16.26	248	17465	5.182	ng	# 1
77) Benzidine	20.10	184	24109	2.529	ng	# 95

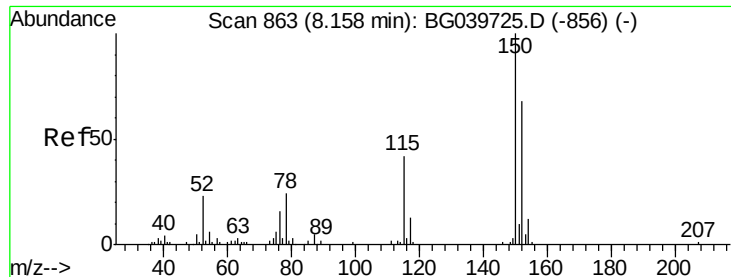
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

Instrument :

BNA_G

ClientSampled :

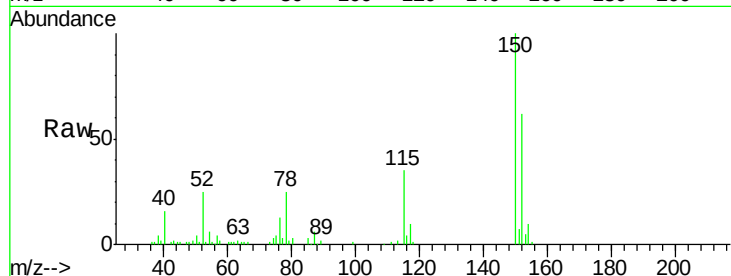
Tot Ion:152 Resp: 41054

Ion Ratio Lower Upper

152 100

150 161.3 123.7 185.5

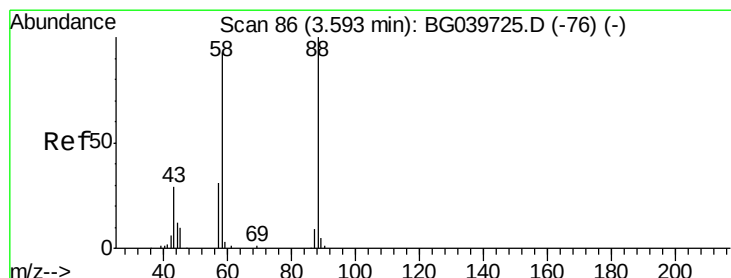
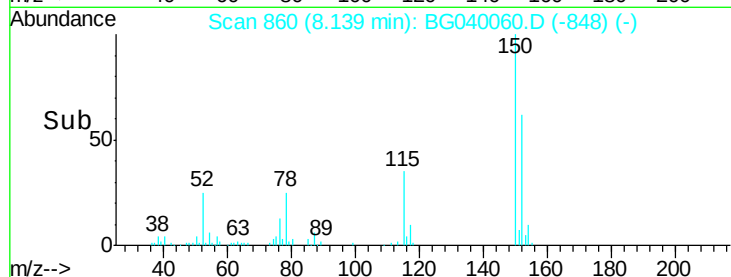
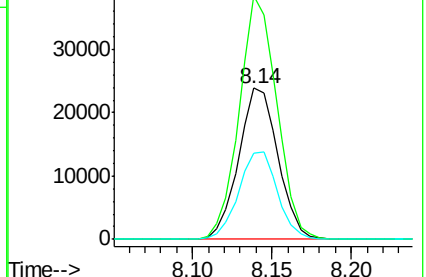
115 57.1 45.9 68.9



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



#2

1,4-Dioxane

Concen: 2.809 ng

RT: 3.29 min Scan# 34

Delta R.T. -0.32 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

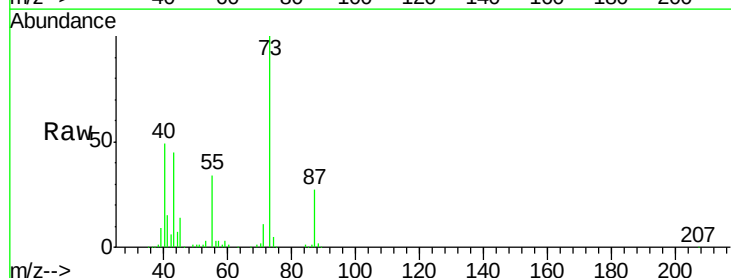
Tgt Ion: 88 Resp: 3121

Ion Ratio Lower Upper

88 100

58 55.1 81.1 121.7#

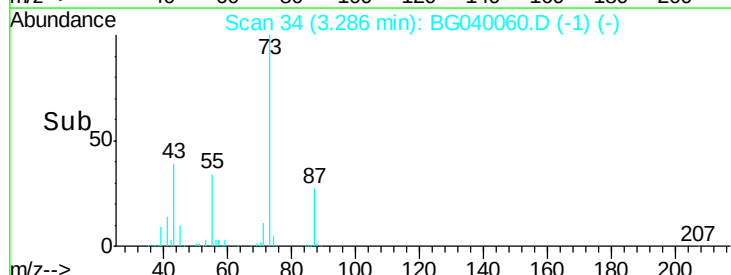
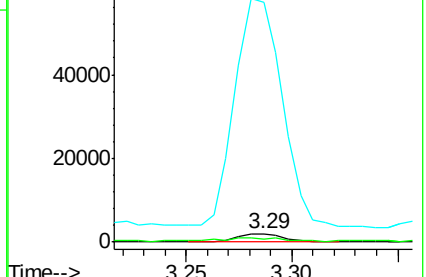
43 2800.2 31.4 47.0#

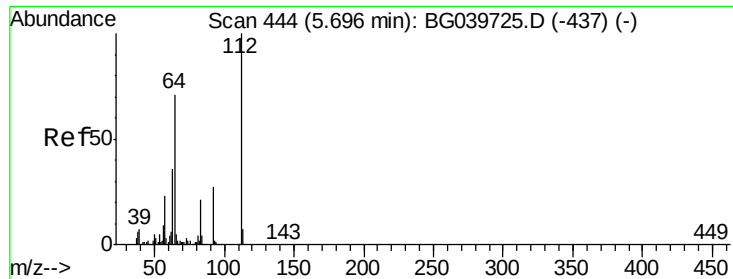


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 141.120 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

Instrument :

BNA_G

ClientSampled :

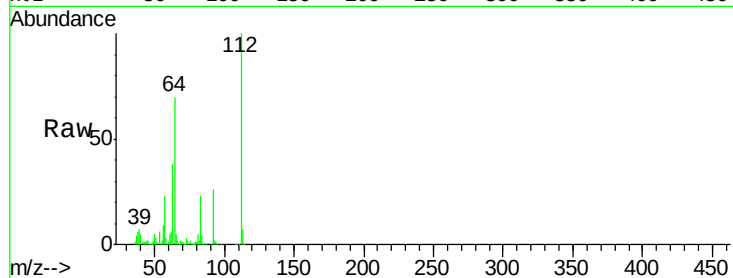
Tot Ion:112 Resp: 339595

Ion Ratio Lower Upper

112 100

64 70.2 57.8 86.8

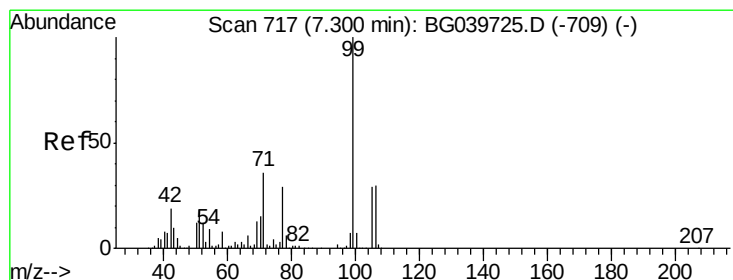
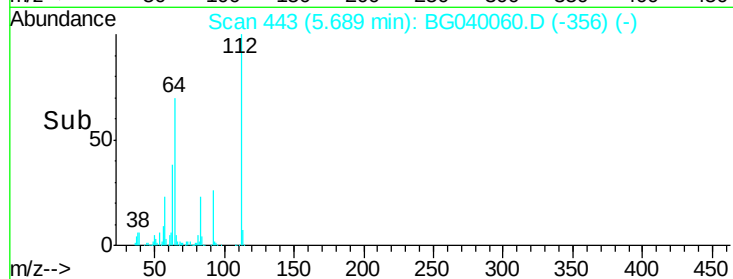
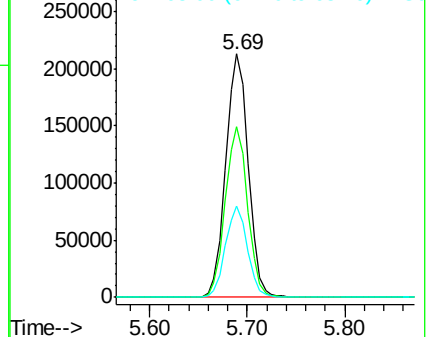
63 37.5 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 123.159 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

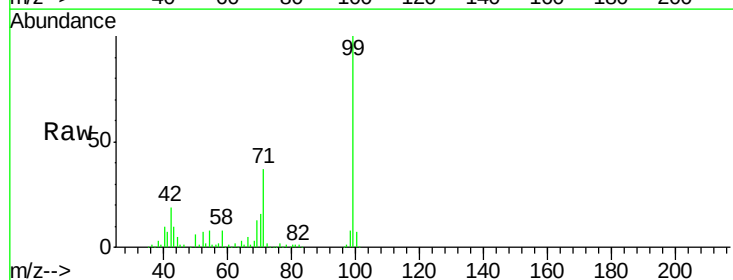
Tgt Ion: 99 Resp: 441910

Ion Ratio Lower Upper

99 100

42 18.8 18.2 27.2

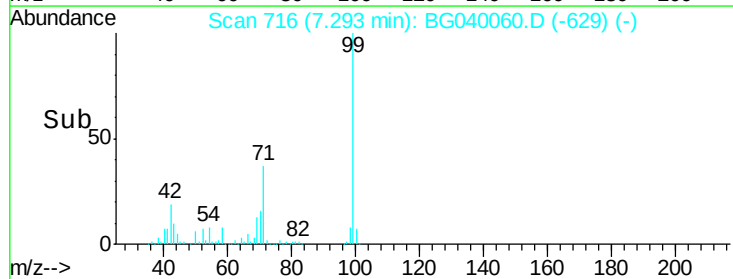
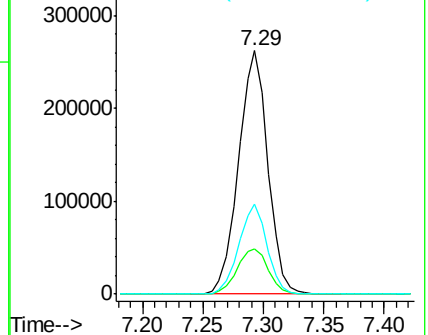
71 36.9 28.0 42.0

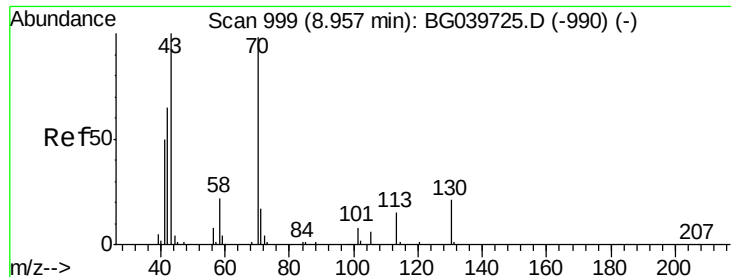


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 17.446 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 45057

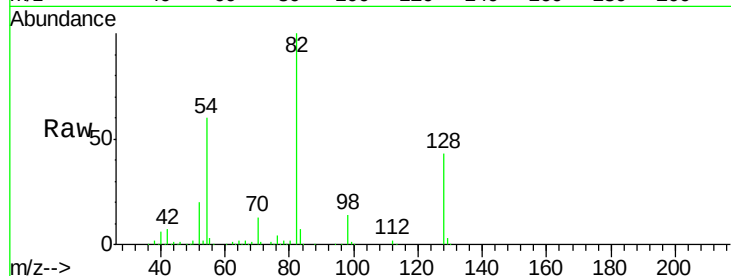
Ion Ratio Lower Upper

70 100

42 53.9 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

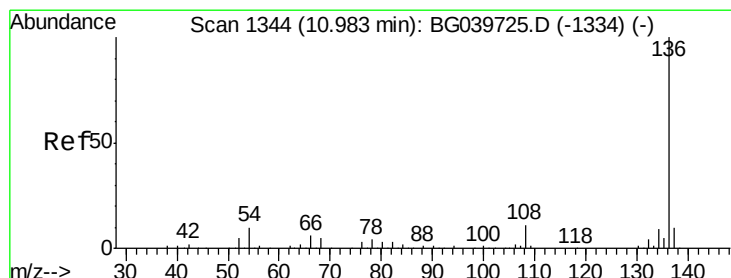
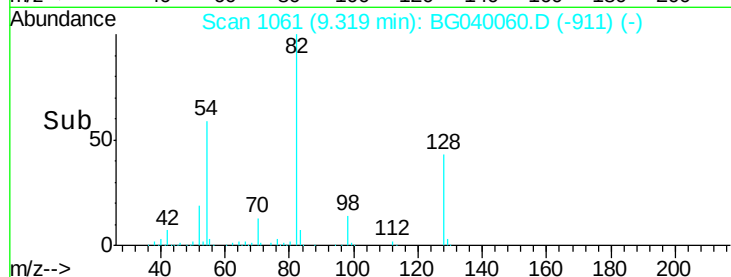
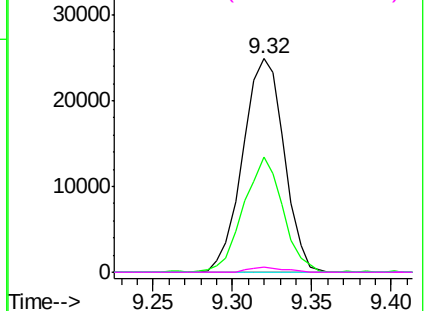


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG040060.D

Acq: 21 Mar 2019 8:26

Tgt Ion:136 Resp: 173886

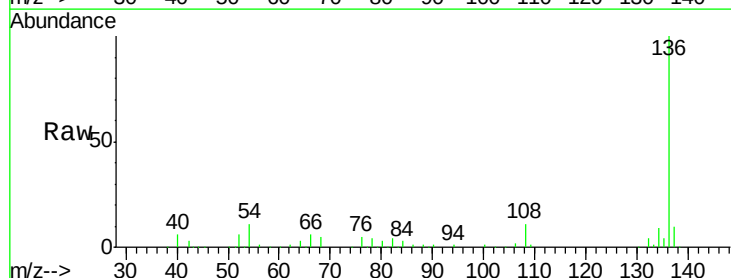
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 10.6 9.4 14.2

68 5.4 4.2 6.4

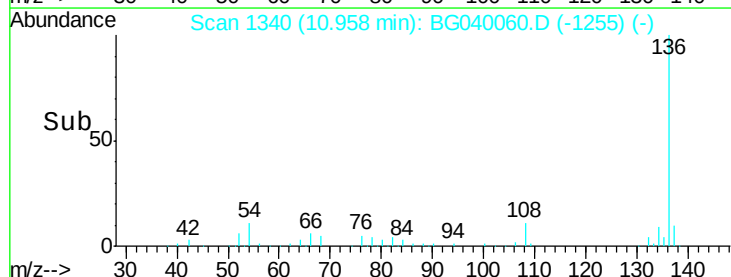
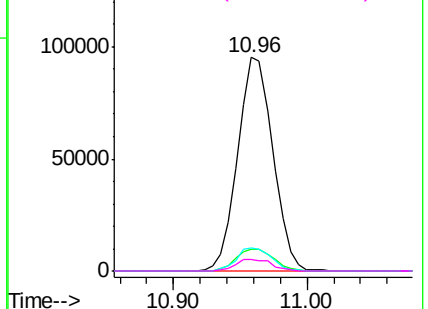


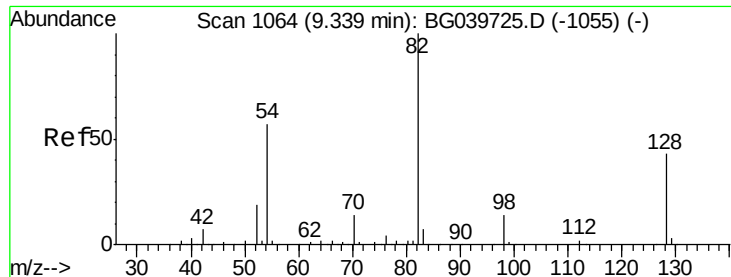
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

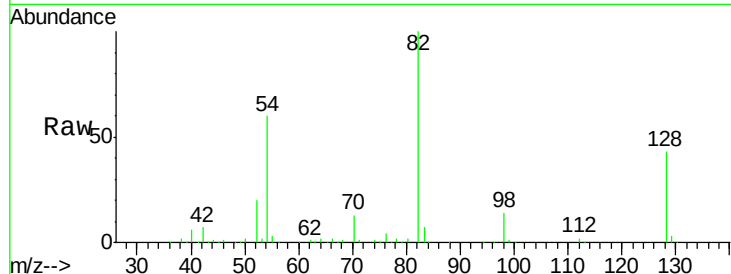




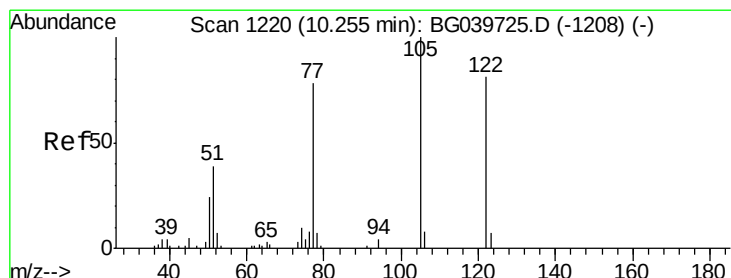
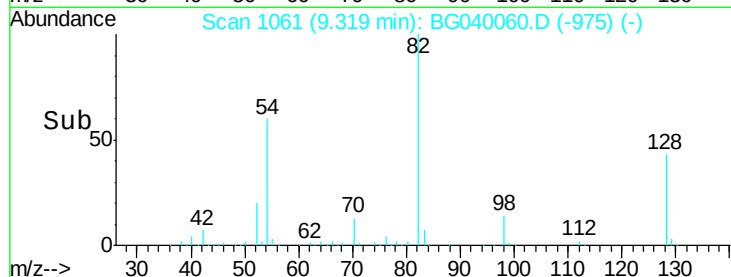
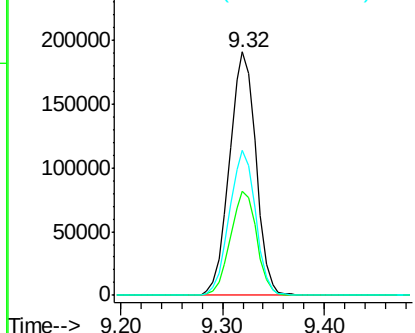
#23
Nitrobenzene-d5
Concen: 107.379 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BG040060.D
Acq: 21 Mar 2019 8:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 345235
Ion Ratio Lower Upper
82 100
128 42.8 31.3 46.9
54 59.8 50.9 76.3

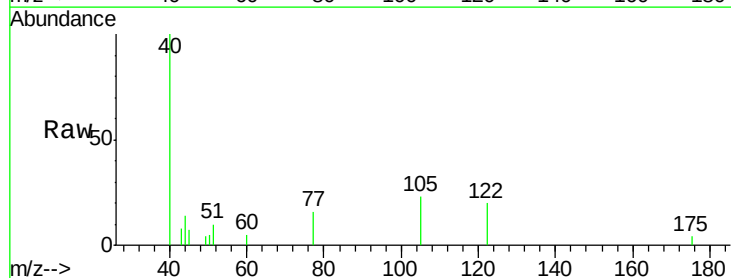


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

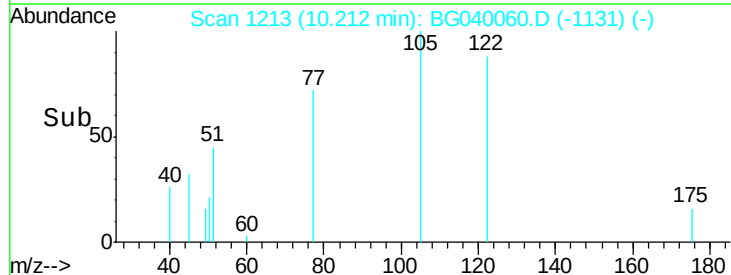
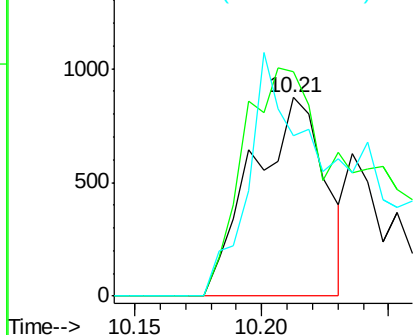


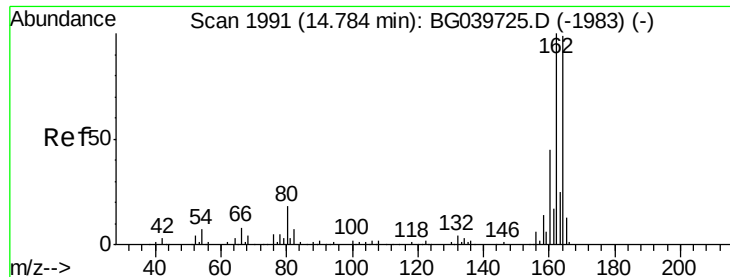
#32
Benzoic acid
Concen: 7.453 ng
RT: 10.21 min Scan# 1213
Delta R.T. -0.05 min
Lab File: BG040060.D
Acq: 21 Mar 2019 8:26

Tgt Ion: 122 Resp: 1724
Ion Ratio Lower Upper
122 100
105 113.2 101.8 141.8
77 81.0 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. -0.03 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

Instrument :

BNA_G

ClientSampleId :

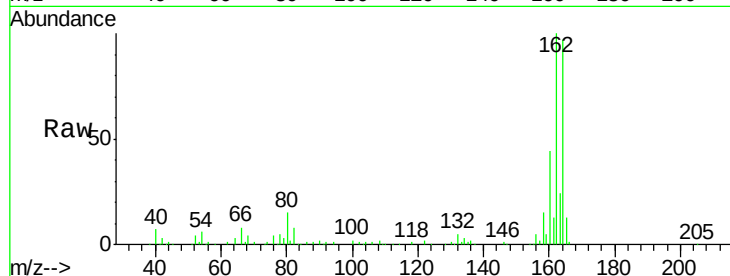
Tot Ion:164 Resp: 122006

Ion Ratio Lower Upper

164 100

162 103.3 81.6 122.4

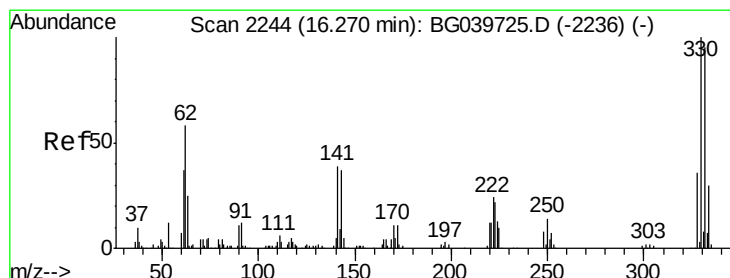
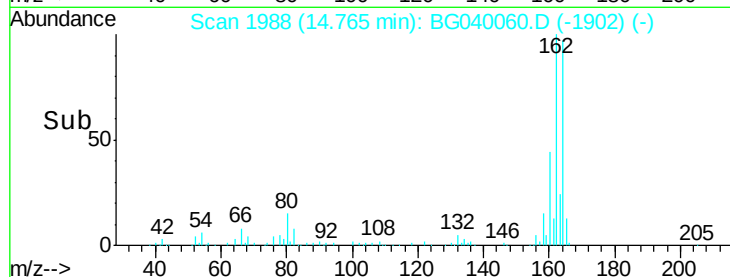
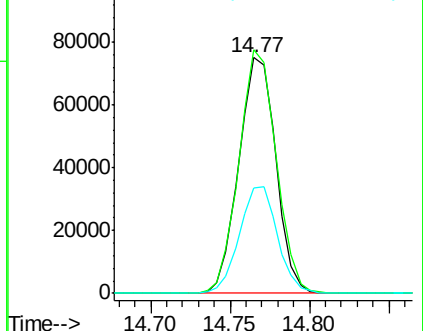
160 45.0 34.2 51.2



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: 153.343 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

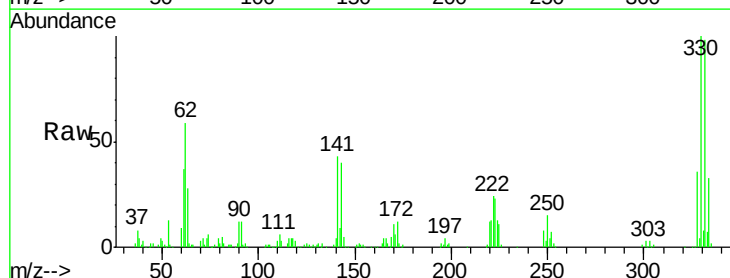
Tgt Ion:330 Resp: 218064

Ion Ratio Lower Upper

330 100

332 97.0 75.7 113.5

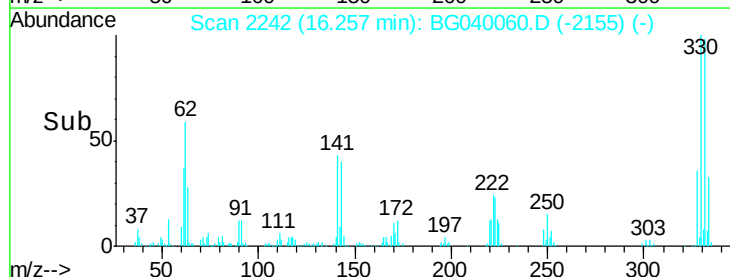
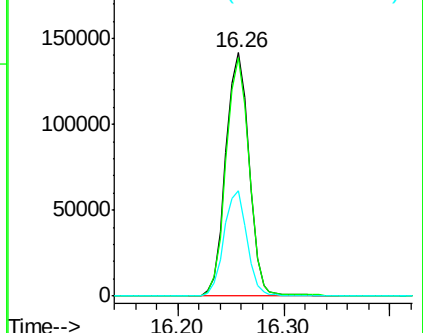
141 42.8 35.6 53.4

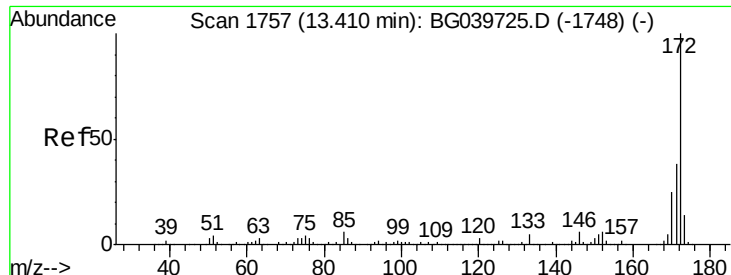


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

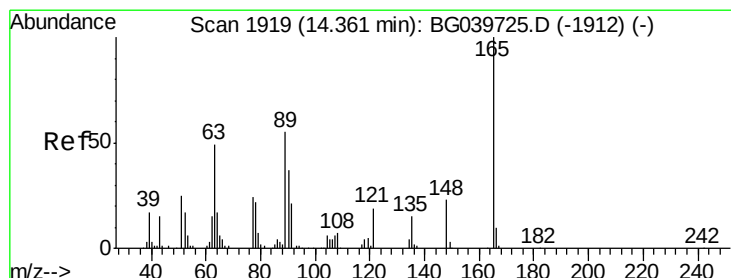
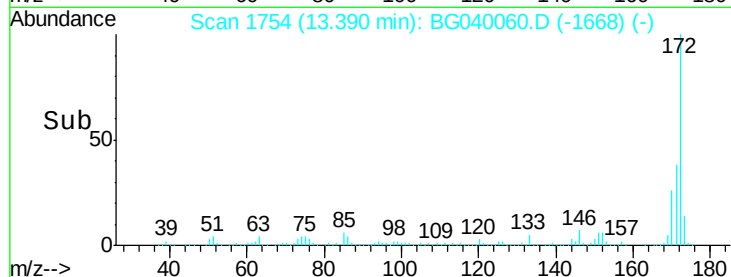
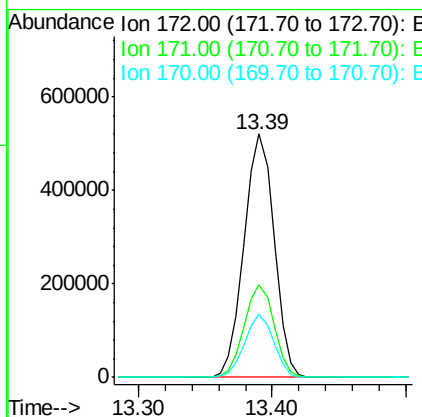
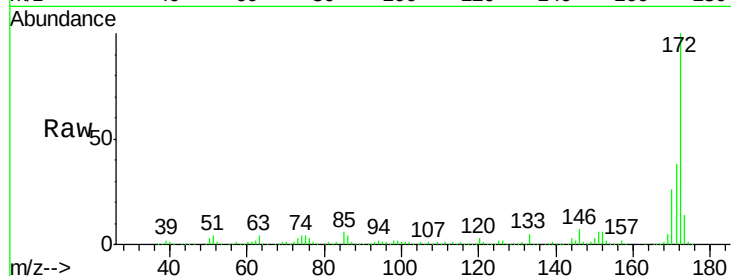




#45
 2-Fluorobiphenyl
 Concen: 94.665 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.03 min
 Lab File: BG040060.D
 Acq: 21 Mar 2019 8:26

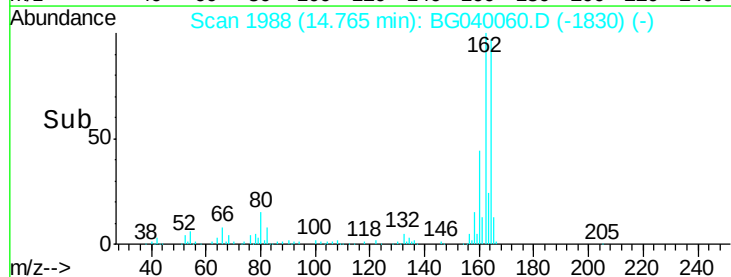
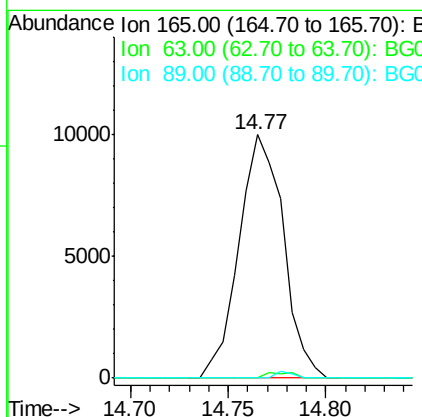
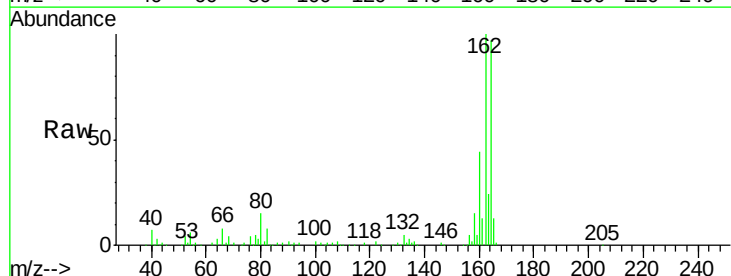
Instrument :
 BNA_G
 ClientSampleId :

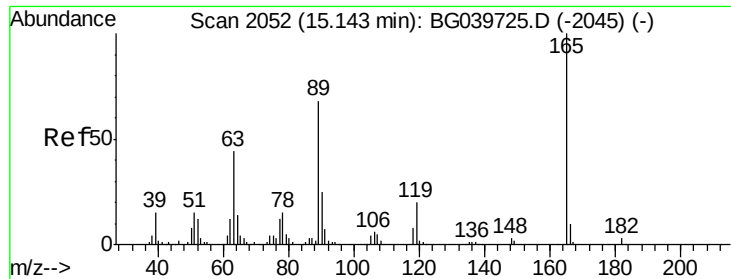
Tot Ion:172 Resp: 811171
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 25.9 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.299 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040060.D
 Acq: 21 Mar 2019 8:26

Tgt Ion:165 Resp: 15786
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#

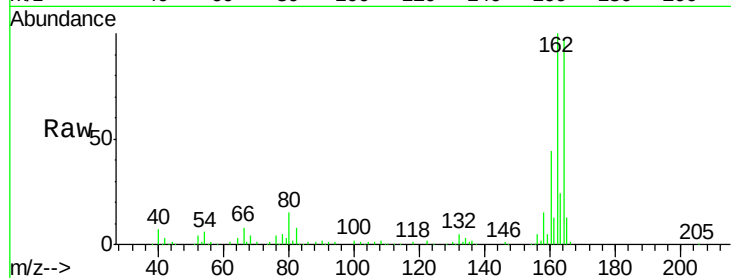




#57
 2,4-Dinitrotoluene
 Concen: 5.195 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040060.D
 Acq: 21 Mar 2019 8:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	15786
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

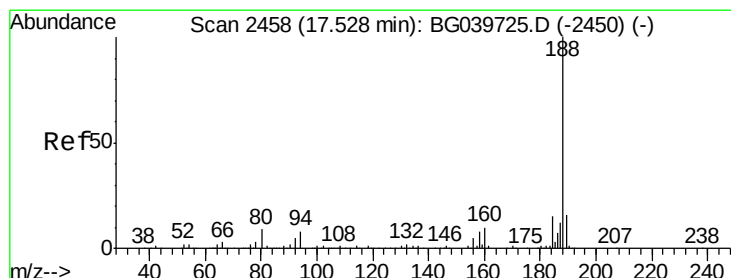
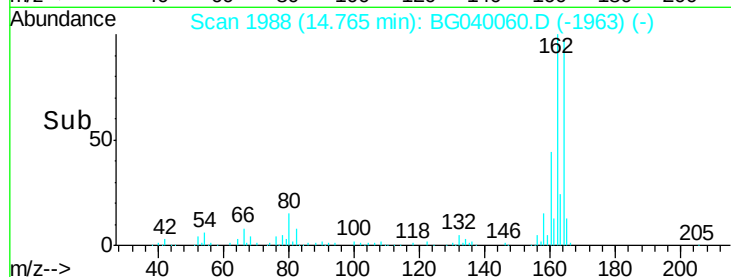
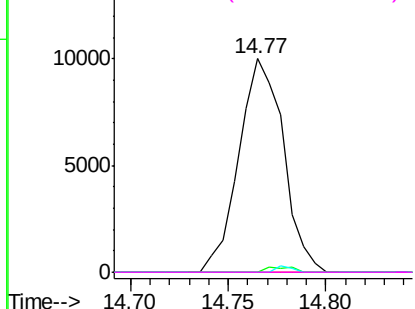


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

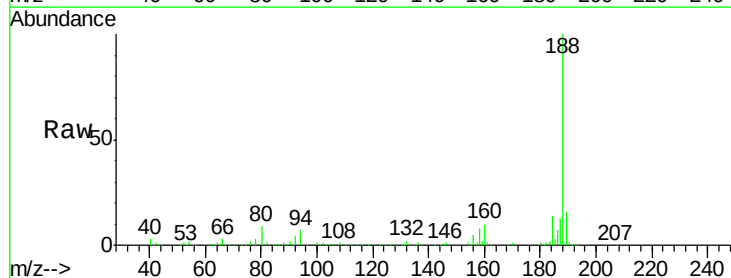
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040060.D
 Acq: 21 Mar 2019 8:26

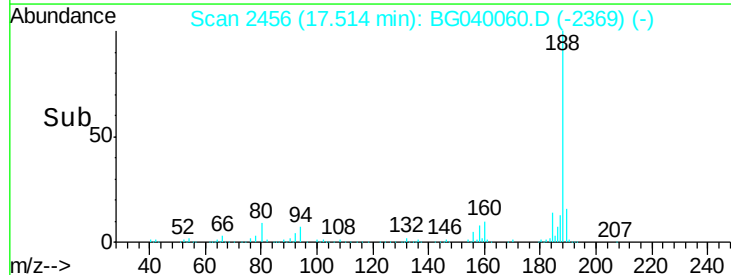
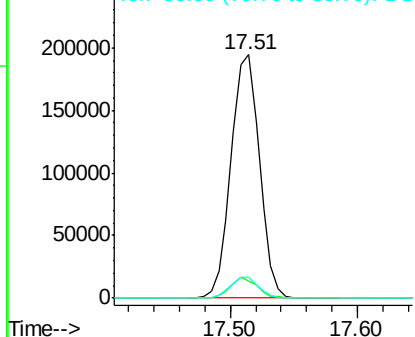
Tgt Ion:	188	Resp:	301119
Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.9	10.3
80	8.6	8.1	12.1

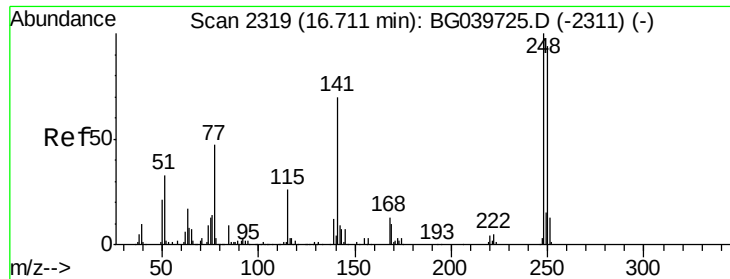


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

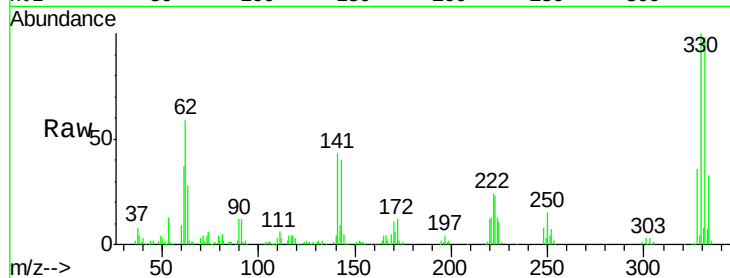




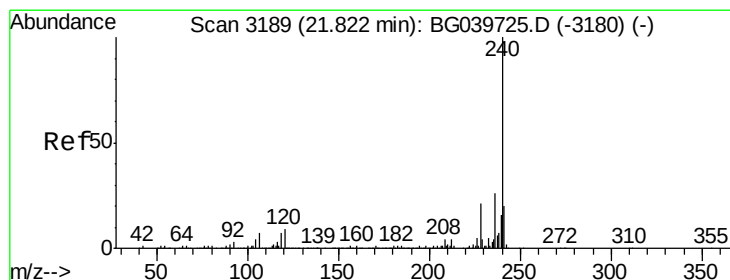
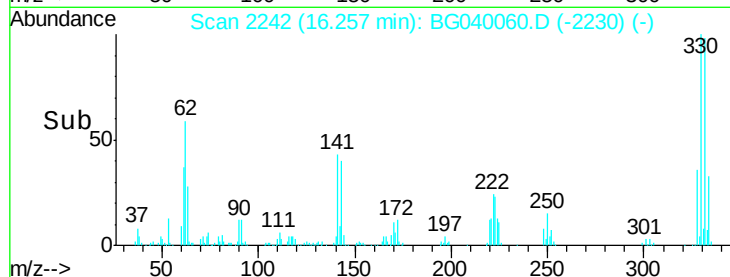
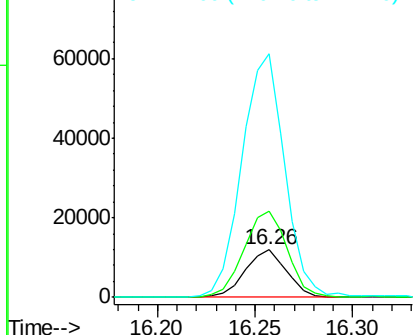
#67
 4-Bromophenyl-phenylether
 Concen: 5.182 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040060.D
 Acq: 21 Mar 2019 8:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17465
 Ion Ratio Lower Upper
 248 100
 250 183.5 77.6 116.4#
 141 515.5 63.9 95.9#

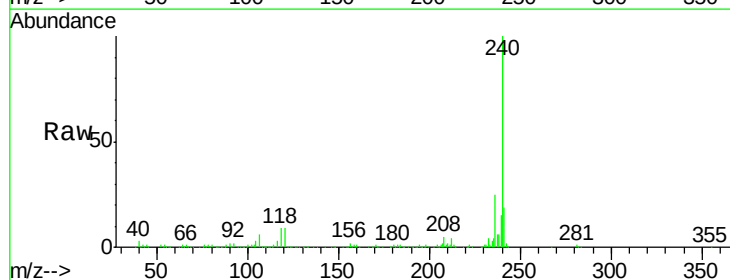


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

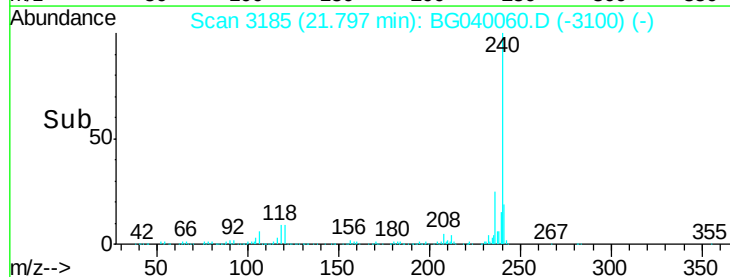
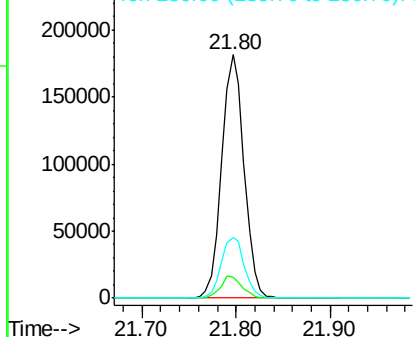


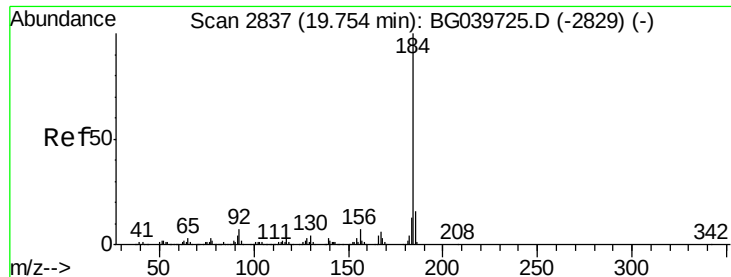
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040060.D
 Acq: 21 Mar 2019 8:26

Tgt Ion:240 Resp: 300395
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 25.0 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: 2.529 ng

RT: 20.10 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

Instrument :

BNA_G

ClientSampled :

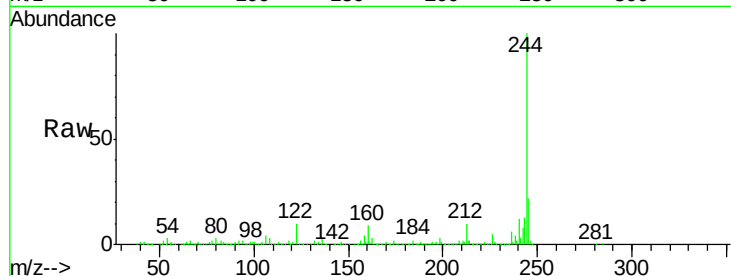
Tot Ion:184 Resp: 24109

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

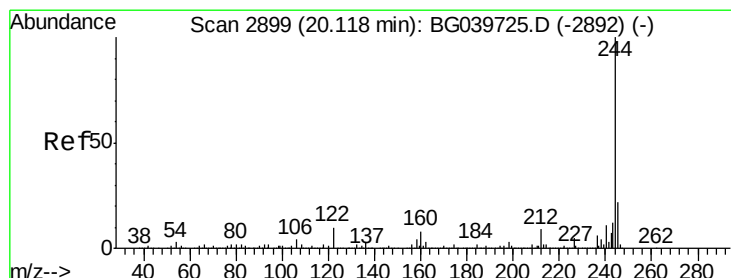
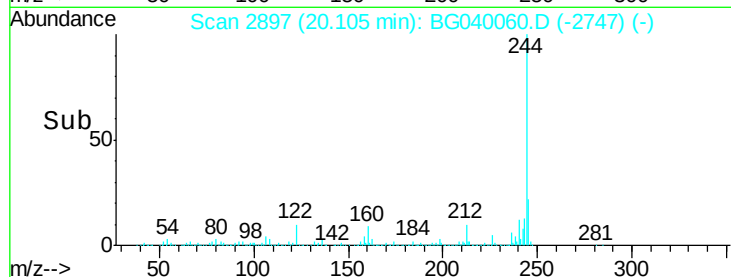
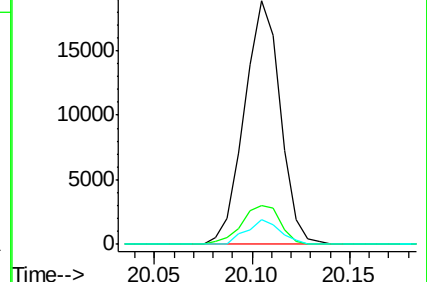
183 9.9 10.6 15.8#



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: 97.514 ng

RT: 20.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040060.D

Acq: 21 Mar 2019 8:26

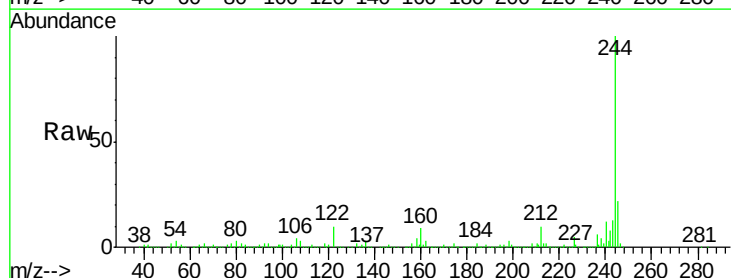
Tgt Ion:244 Resp: 1330391

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

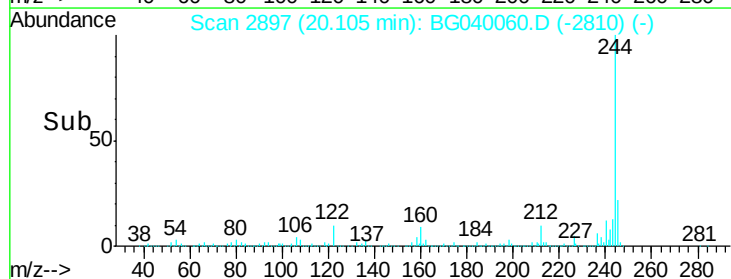
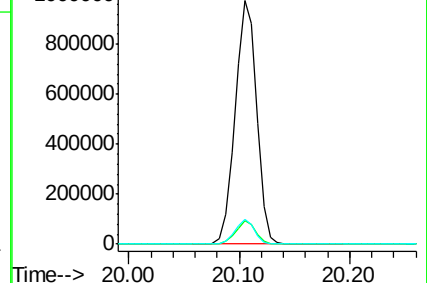
122 10.2 8.4 12.6

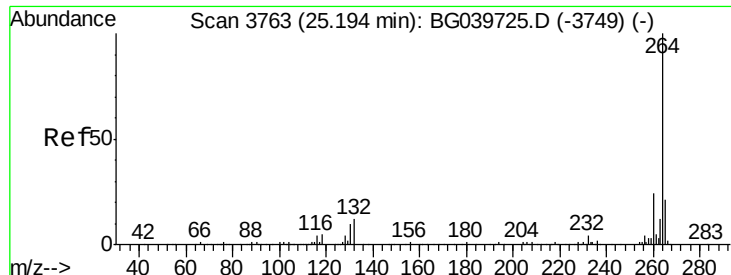


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

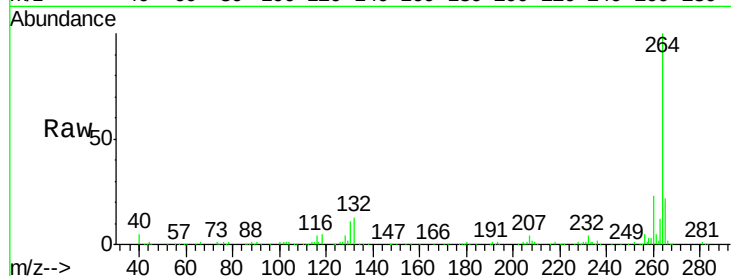




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3757
 Delta R.T. -0.04 min
 Lab File: BG040060.D
 Acq: 21 Mar 2019 8:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	296968
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.2	27.4
265	21.8	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

