

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
 Data File : BG039952.D
 Acq On : 15 Mar 2019 22:08
 Operator : JU/SJ
 Sample : K1901-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1(12-13)

Quant Time: Mar 16 04:10:38 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	1325	20.00	ng	-0.02
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.99
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.79
64) Phenanthrene-d10	17.52	188	56	20.00	ng	-0.02
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.83
87) Perylene-d12	25.18	264	55	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	201981	2600.61	ng	-0.02
7) Phenol-d6	7.29	99	295440	2551.17	ng	-0.02
23) Nitrobenzene-d5	9.32	82	178177	0.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	110717	0.00	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	332473	0.00	ng	-0.02
79) Terphenyl-d14	20.11	244	475679	0.00	ng	-0.02

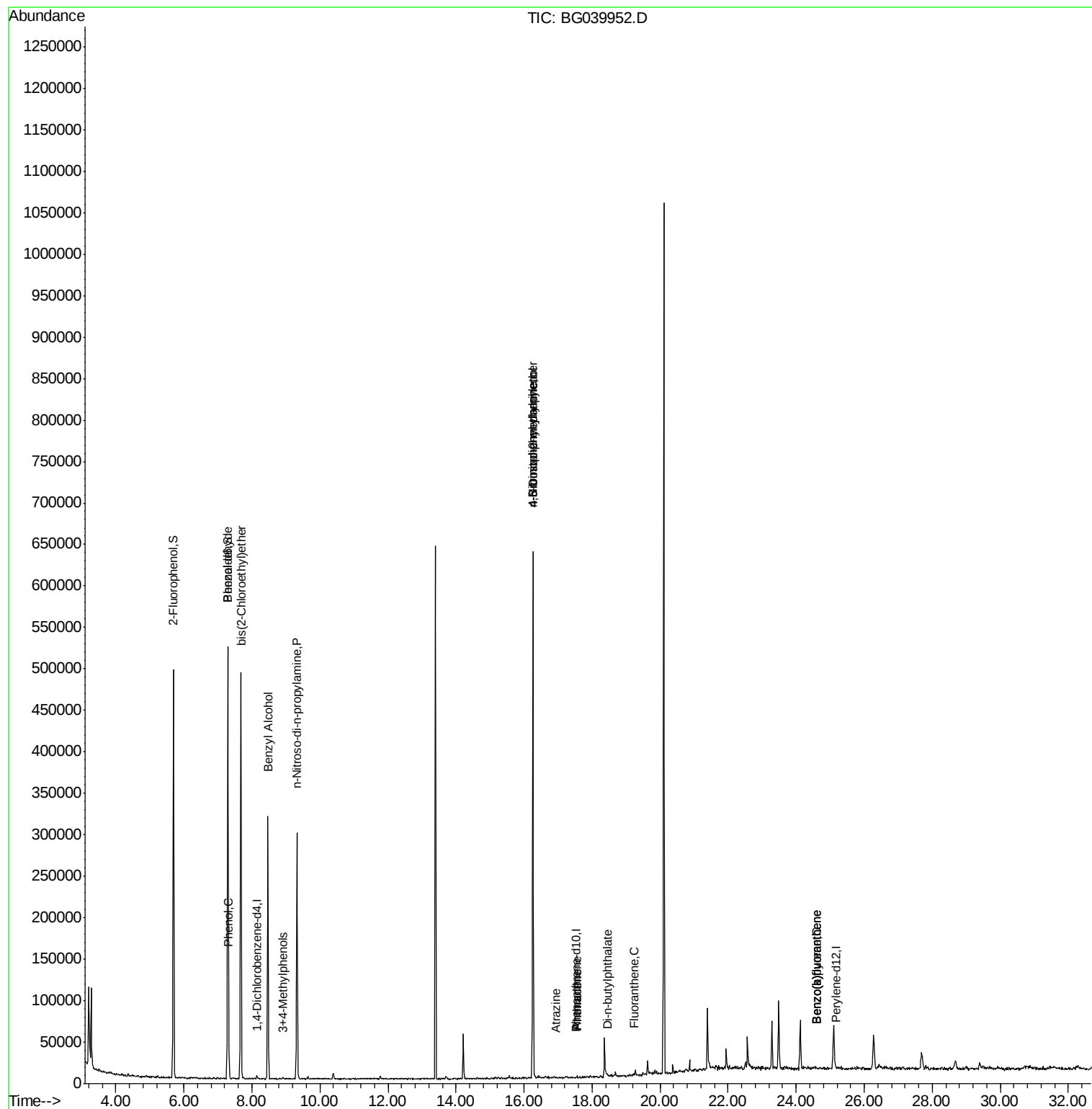
Target Compounds				Qvalue		
9) Benzaldehyde	7.29	77	753	10.080	ng	# 4
10) Phenol	7.32	94	15418	122.897	ng	# 98
11) bis(2-Chloroethyl)ether	7.68	93	235	2.403	ng	# 1
15) Benzyl Alcohol	8.47	79	2706	29.457	ng	# 50
19) n-Nitroso-di-n-propylamine	9.32	70	23259	279.039	ng	# 68
20) 3+4-Methylphenols	8.91	107	971	8.737	ng	# 69
65) 4,6-Dinitro-2-methylphenol	16.25	198	333	1005.709	ng	# 1
66) n-Nitrosodiphenylamine	16.25	169	4779	2947.793	ng	# 48
67) 4-Bromophenyl-phenylether	16.25	248	8422	13435.883	ng	# 1
69) Atrazine	16.94	200	55	86.200	ng	# 35
71) Phenanthrene	17.56	178	272	88.182	ng	# 32
72) Anthracene	17.56	178	272	90.490	ng	# 32
74) Di-n-butylphthalate	18.45	149	340	106.640	ng	# 77
75) Fluoranthene	19.22	202	53	14.539	ng	# 63
88) Benzo(b)fluoranthene	24.60	252	72	21.953	ng	# 60
89) Benzo(k)fluoranthene	24.60	252	72	23.584	ng	# 59
90) Benzo(a)pyrene	24.60	252	72	23.757	ng	# 59

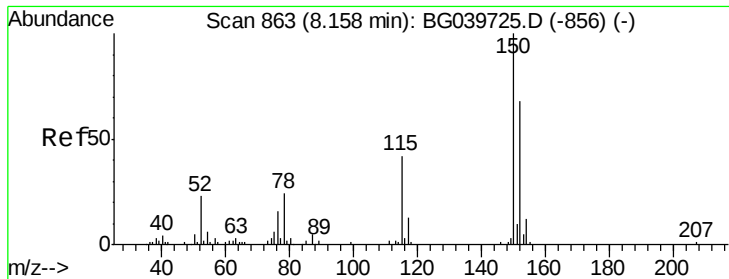
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
Data File : BG039952.D
Acq On : 15 Mar 2019 22:08
Operator : JU/SJ
Sample : K1901-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-1(12-13)

Quant Time: Mar 16 04:10:38 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



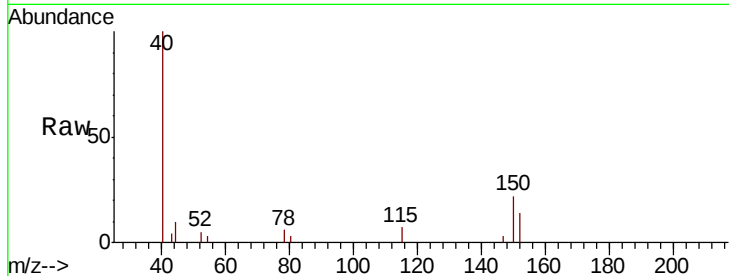


#1

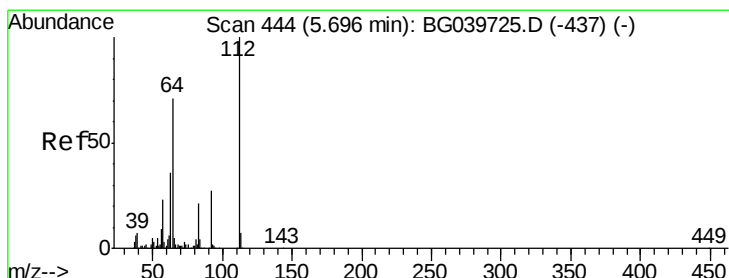
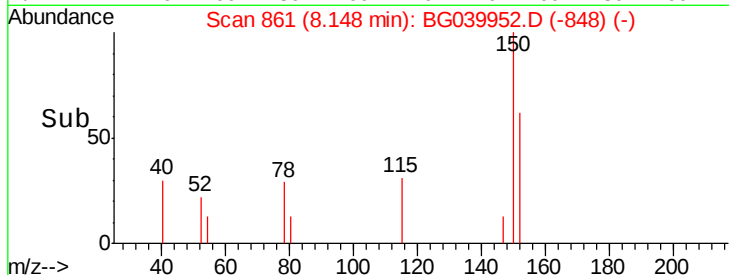
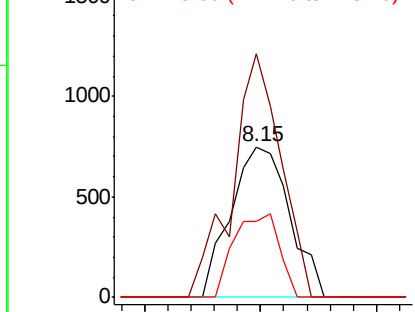
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039952.D
Acq: 15 Mar 2019 22:08

Instrument :
BNA_G
ClientSampleId :
SB-1(12-13)

Tgt Ion:152 Resp: 1325
Ion Ratio Lower Upper
152 100
150 162.1 123.7 185.5
115 50.7 45.9 68.9



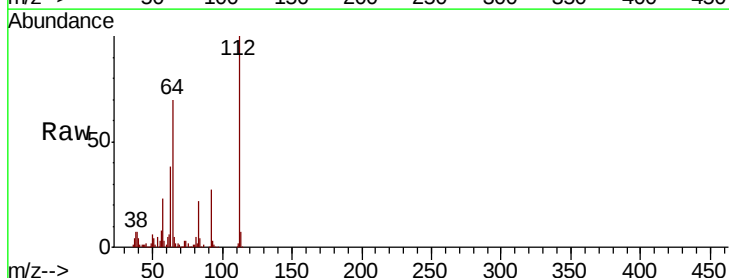
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



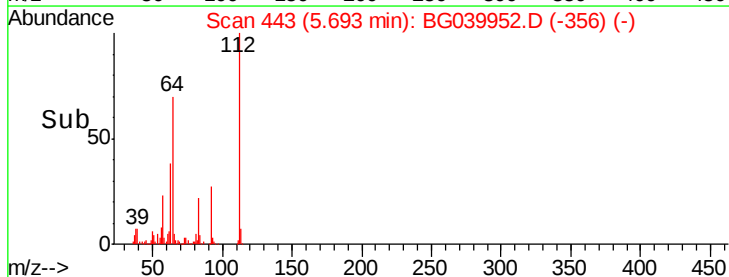
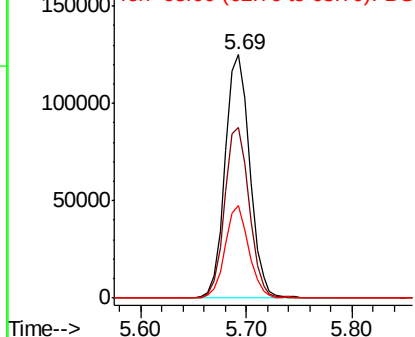
#5

2-Fluorophenol
Concen: 2600.614 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039952.D
Acq: 15 Mar 2019 22:08

Tgt Ion:112 Resp: 201981
Ion Ratio Lower Upper
112 100
64 70.0 57.8 86.8
63 37.8 29.8 44.6



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: 2551.175 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

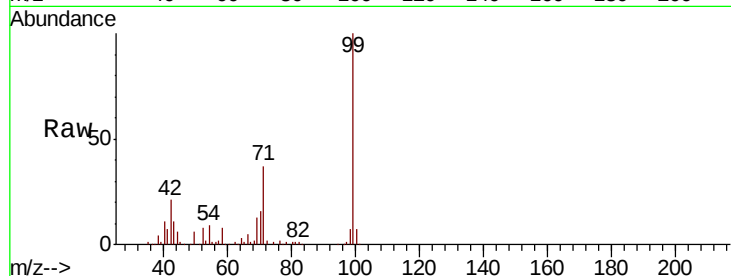
Tgt Ion: 99 Resp: 295440

Ion Ratio Lower Upper

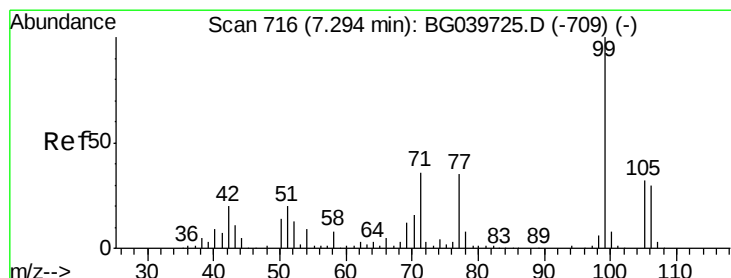
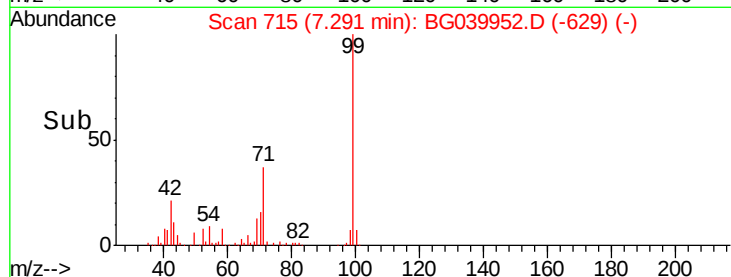
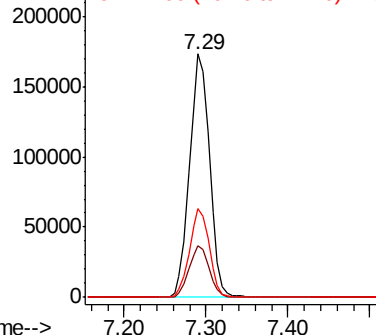
99 100

42 21.2 18.2 27.2

71 36.5 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



#9

Benzaldehyde

Concen: 10.080 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

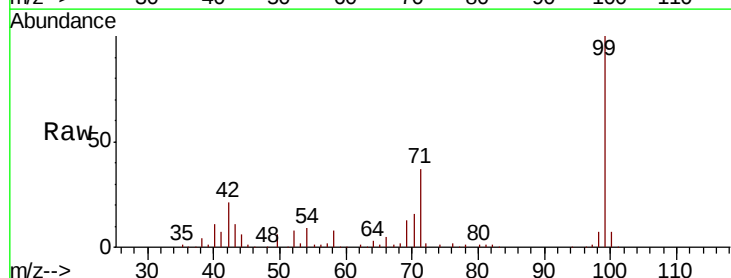
Tgt Ion: 77 Resp: 753

Ion Ratio Lower Upper

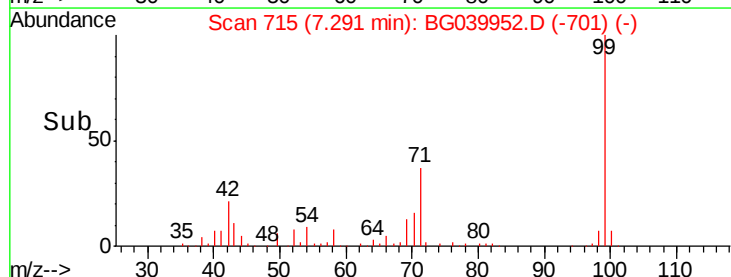
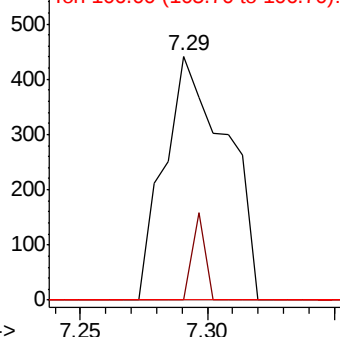
77 100

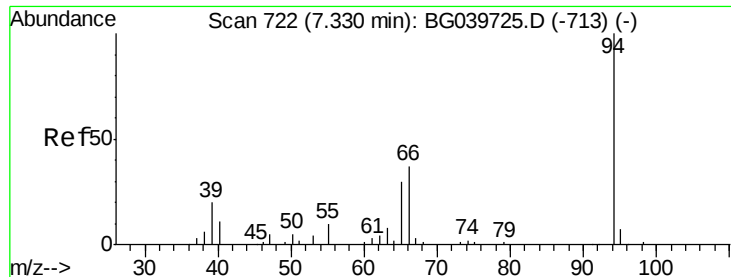
105 0.0 74.5 114.5#

106 0.0 68.0 108.0#



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





#10

Phenol

Concen: 122.897 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

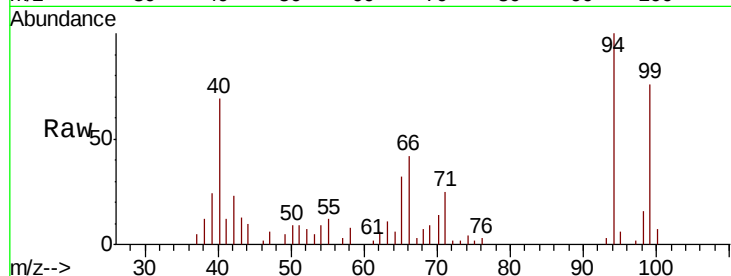
Tgt Ion: 94 Resp: 15418

Ion Ratio Lower Upper

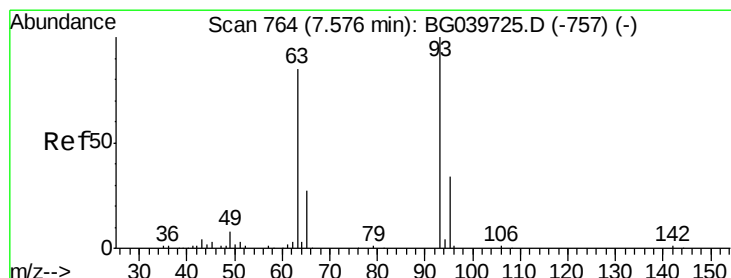
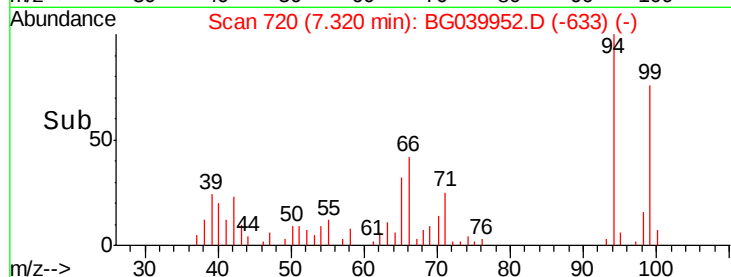
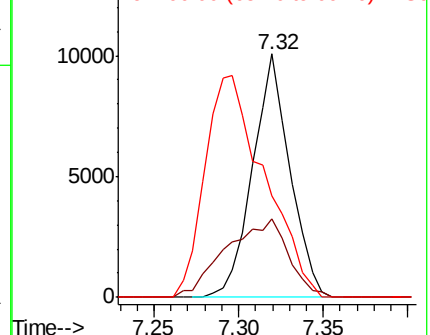
94 100

65 32.3 11.7 51.7

66 41.9 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 2.403 ng

RT: 7.68 min Scan# 782

Delta R.T. 0.10 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

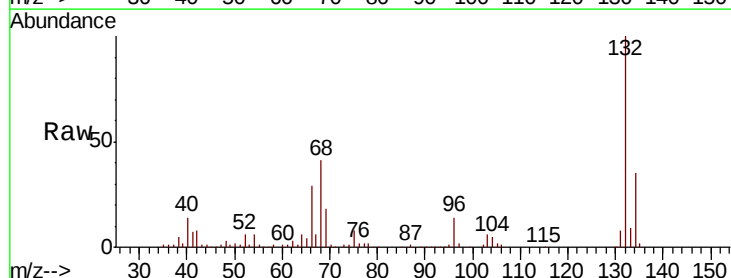
Tgt Ion: 93 Resp: 235

Ion Ratio Lower Upper

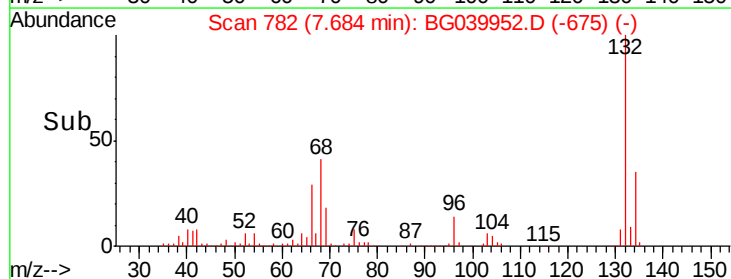
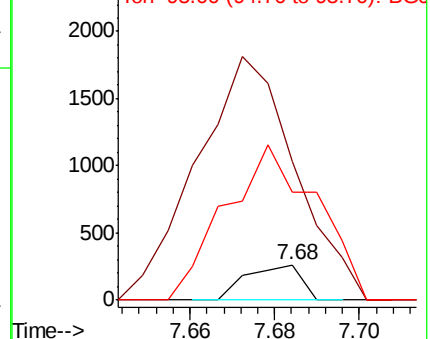
93 100

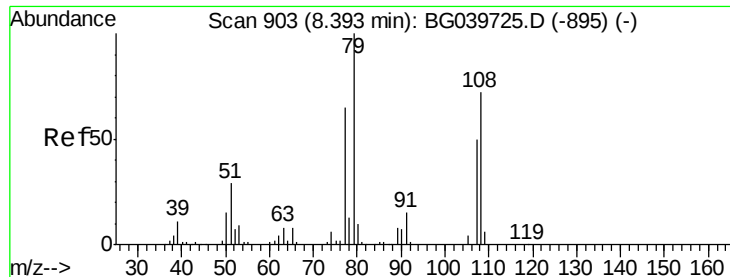
63 393.1 69.5 109.5#

95 306.5 12.7 52.7#



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: 29.457 ng

RT: 8.47 min Scan# 916

Delta R.T. 0.07 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

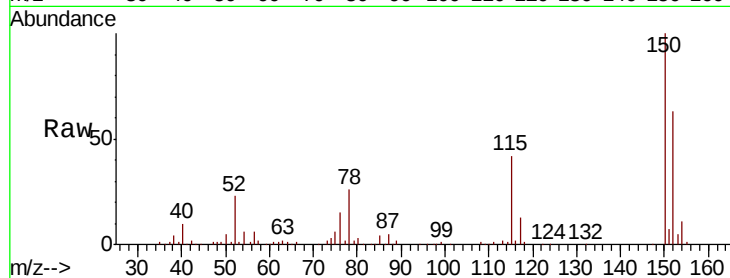
Tgt Ion: 79 Resp: 2706

Ion Ratio Lower Upper

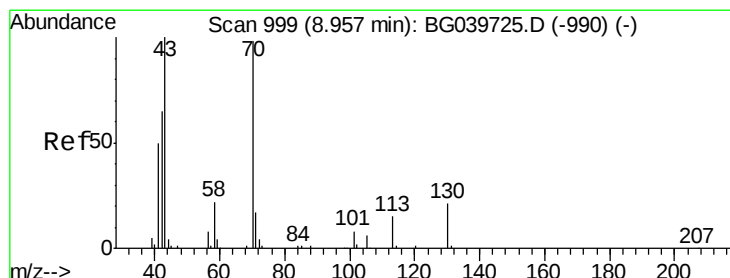
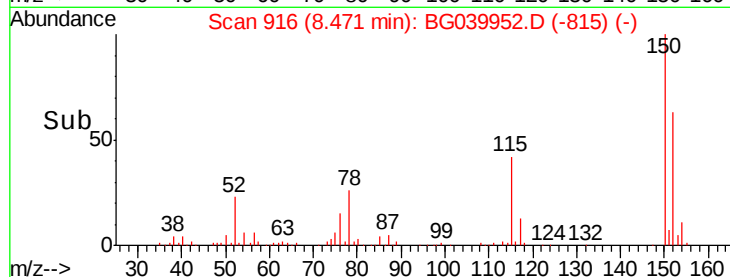
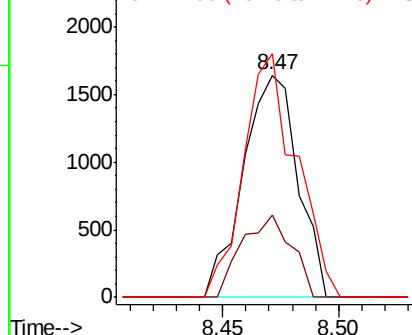
79 100

108 37.3 57.8 86.6#

77 109.8 51.1 76.7#



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: 279.039 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Tgt Ion: 70 Resp: 23259

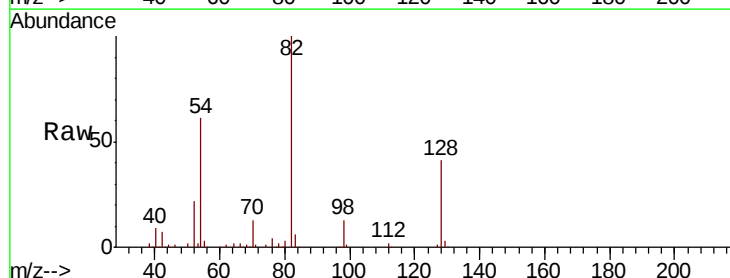
Ion Ratio Lower Upper

70 100

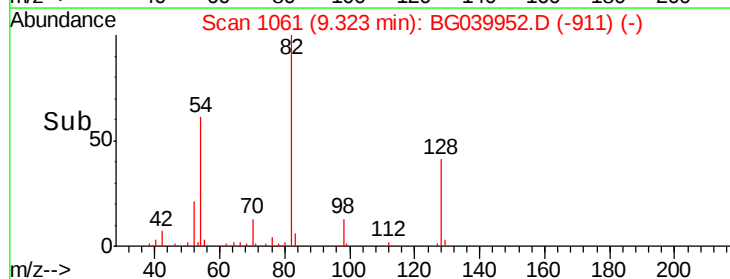
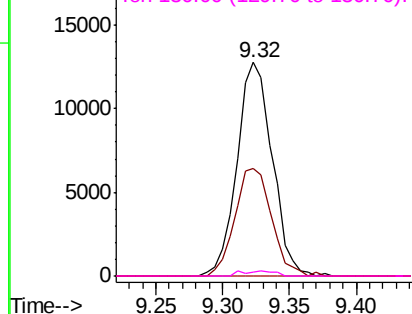
42 50.3 60.4 90.6#

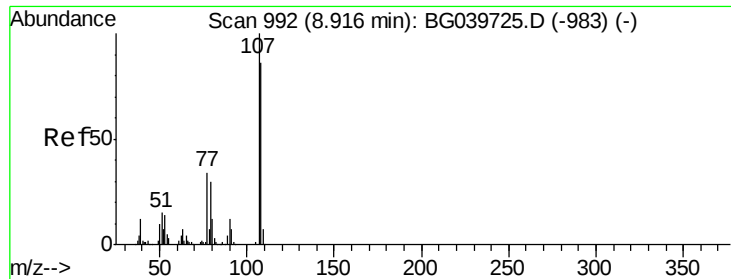
101 0.0 7.5 11.3#

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





#20

3+4-Methylphenols

Concen: 8.737 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

Tgt Ion:107 Resp: 971

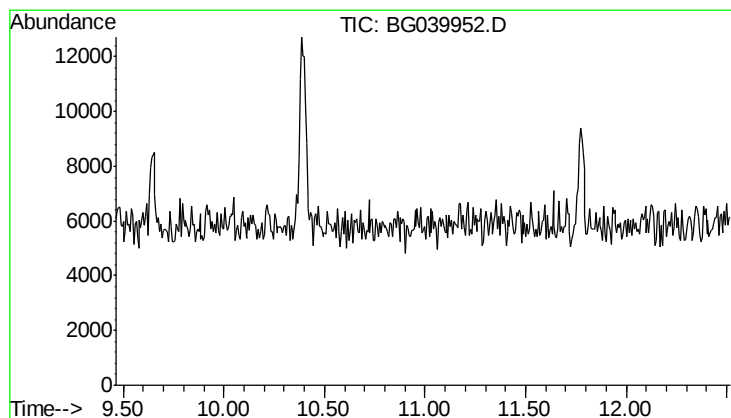
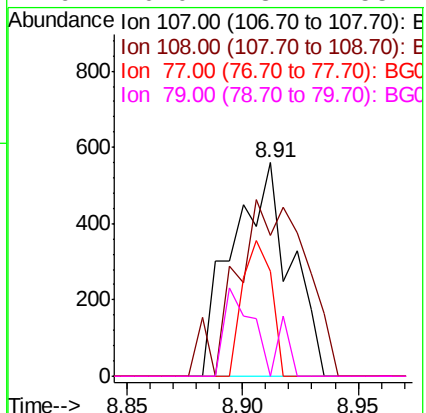
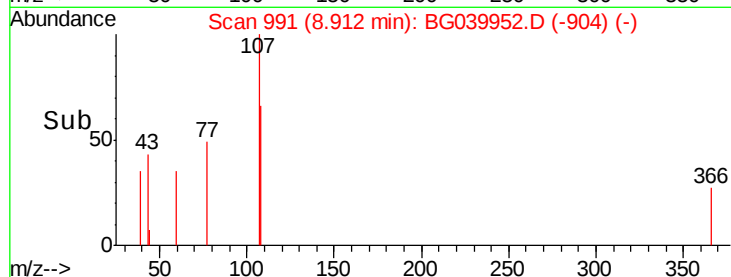
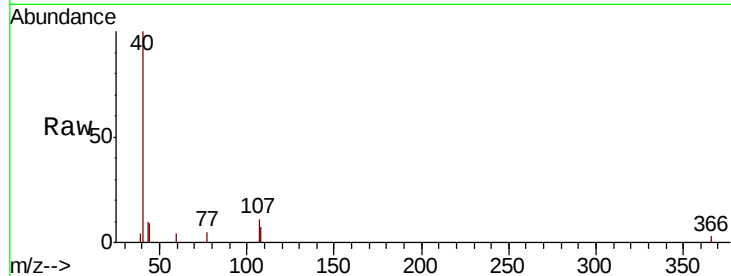
Ion Ratio Lower Upper

107 100

108 66.1 67.9 107.9#

77 48.9 15.4 55.4

79 0.0 13.7 53.7#



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.99 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Tgt Ion: 136

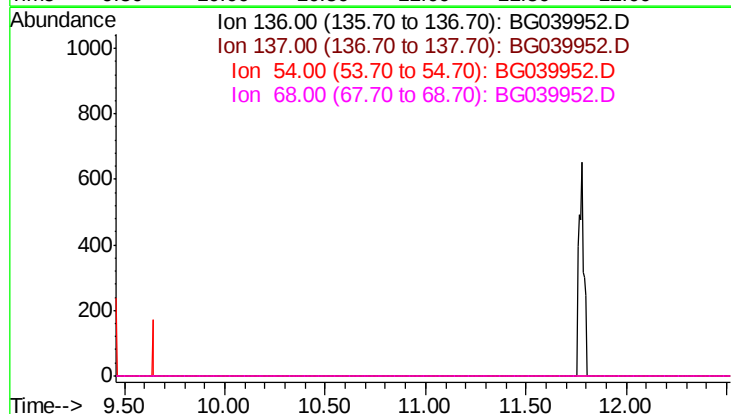
Sig Exp Ratio

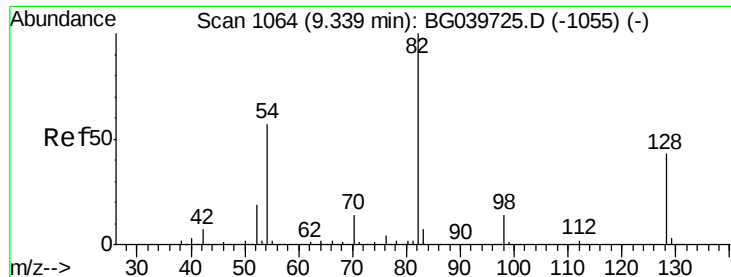
136 100

137 11.4

54 11.8

68 5.3

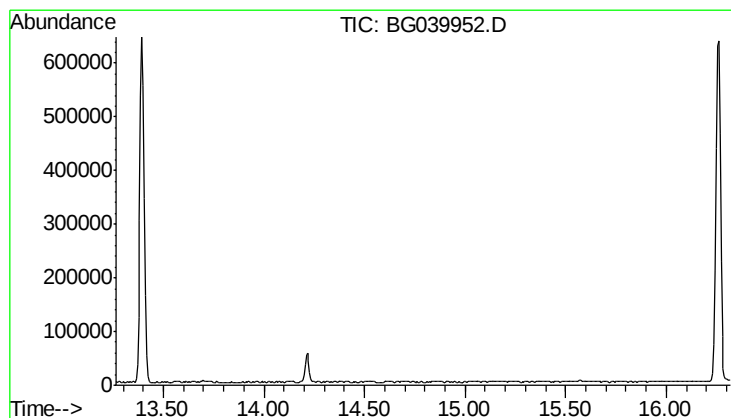
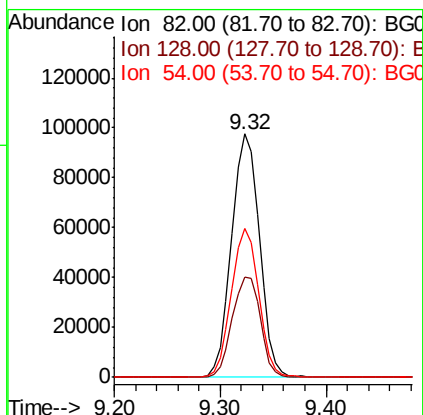
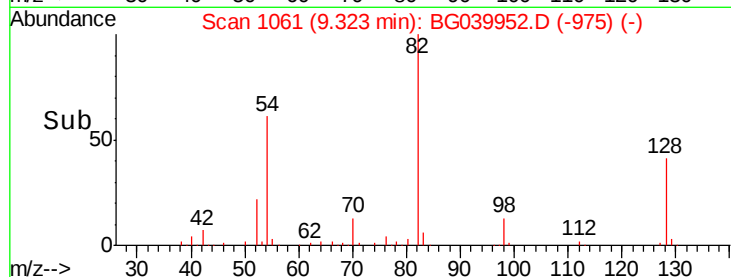
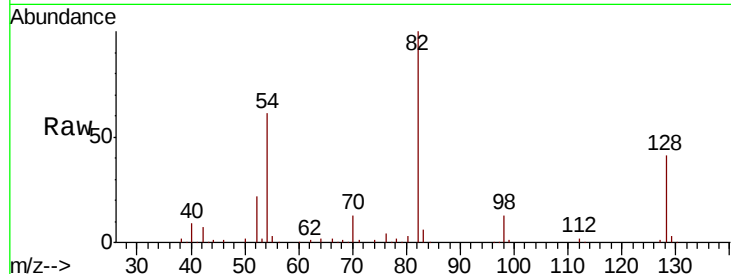




#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039952.D
Acq: 15 Mar 2019 22:08

Instrument :
BNA_G
ClientSampleId :
SB-1(12-13)

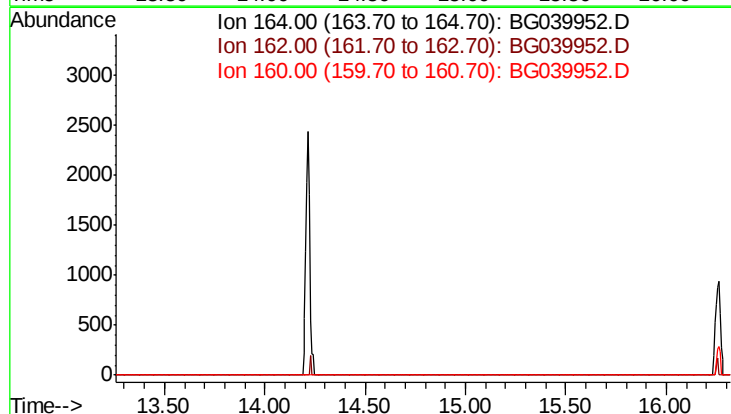
Tgt Ion: 82 Resp: 178177
Ion Ratio Lower Upper
82 100
128 41.2 31.3 46.9
54 61.3 50.9 76.3

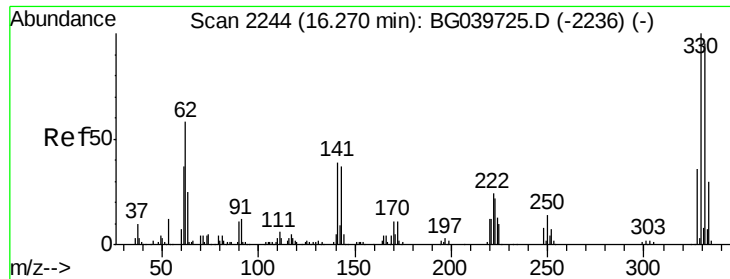


#39
Acenaphthene-d10
Concen: 0.000 ng
Expected RT: 14.79 min

Lab File: BG039952.D
Acq: 15 Mar 2019 22:08

Tgt Ion: 164
Sig Exp Ratio
164 100
162 102.0
160 42.7

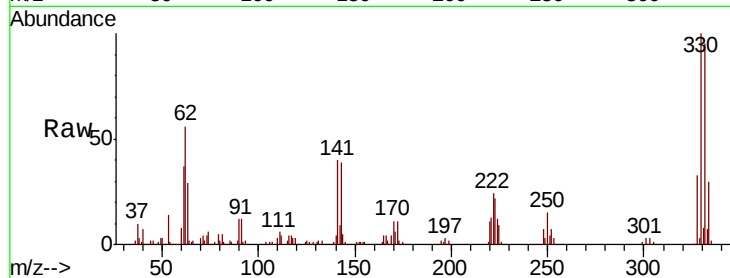




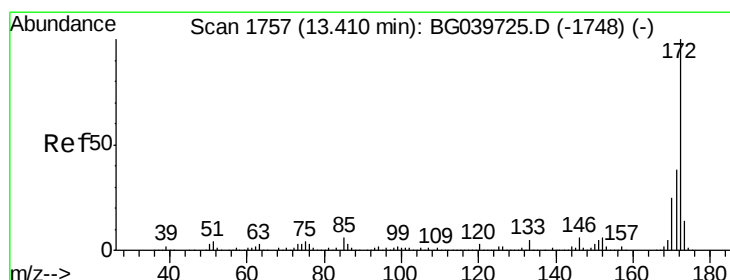
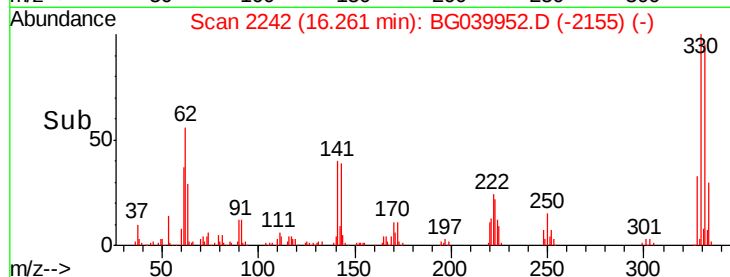
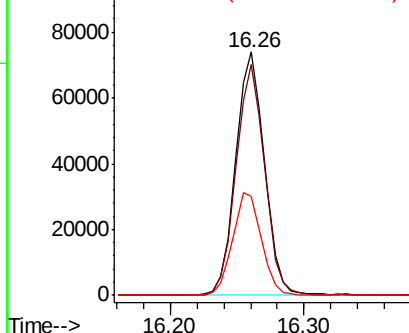
#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039952.D
 Acq: 15 Mar 2019 22:08

Instrument :
 BNA_G
 ClientSampleId :
 SB-1(12-13)

Tgt Ion:330 Resp: 110717
 Ion Ratio Lower Upper
 330 100
 332 94.2 75.7 113.5
 141 42.4 35.6 53.4

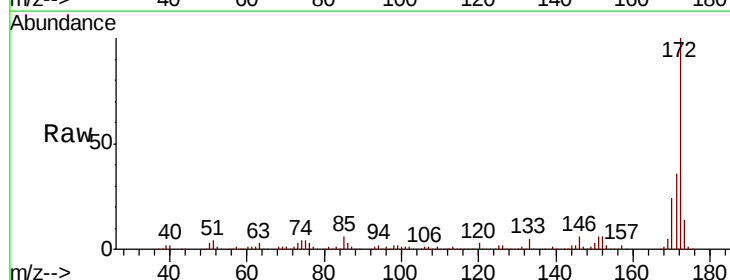


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

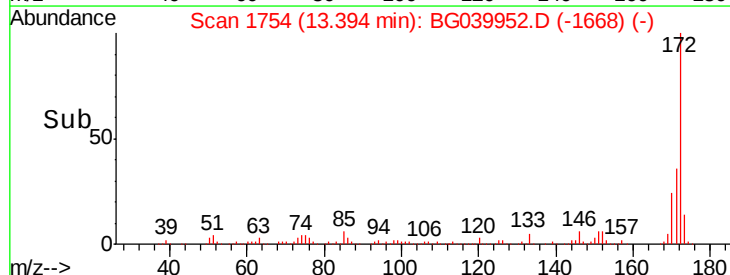
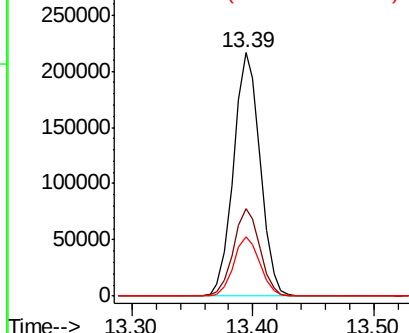


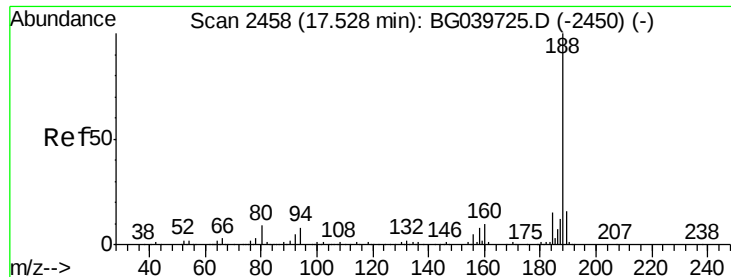
#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039952.D
 Acq: 15 Mar 2019 22:08

Tgt Ion:172 Resp: 332473
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.8 46.2
 170 24.3 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

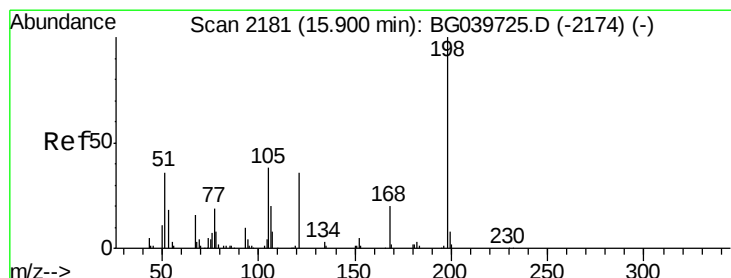
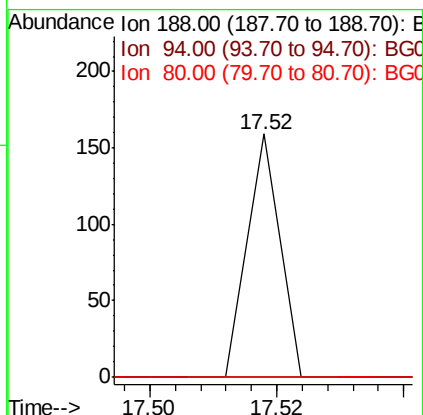
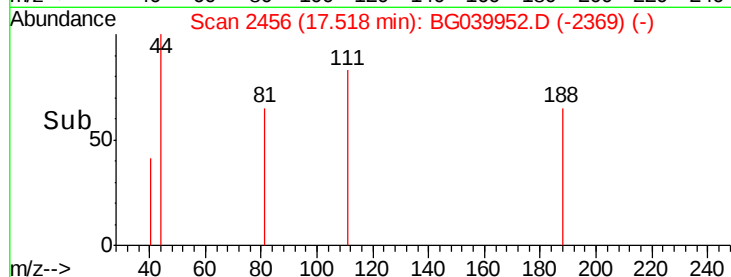
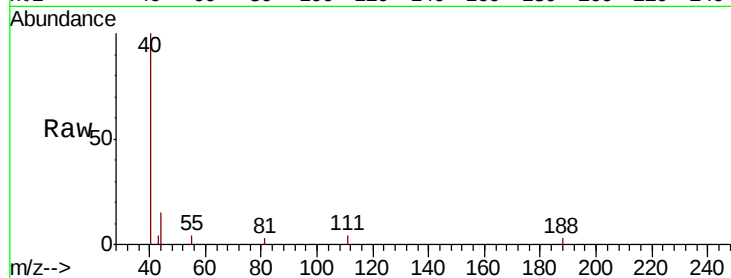
Tgt Ion:188 Resp: 56

Ion Ratio Lower Upper

188 100

94 0.0 6.9 10.3#

80 0.0 8.1 12.1#



#65

4,6-Dinitro-2-methylphenol

Concen: 1005.709 ng

RT: 16.25 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

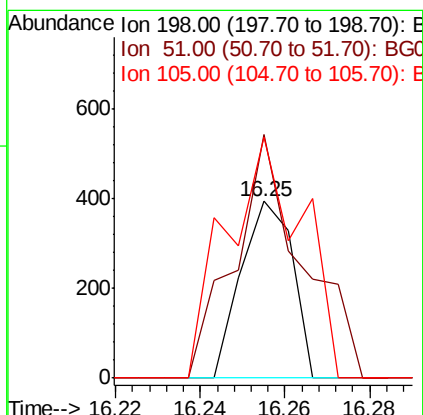
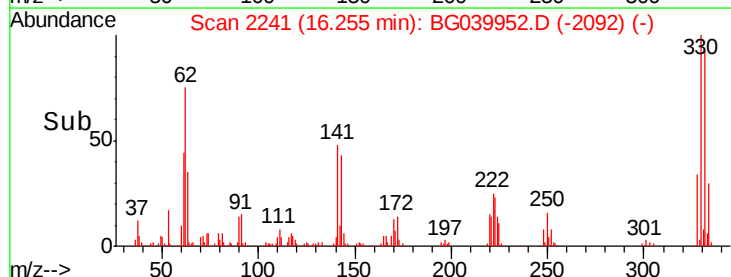
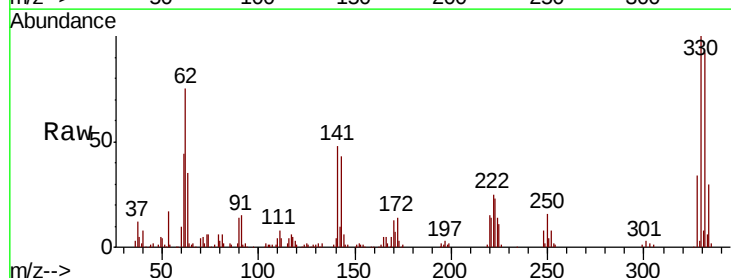
Tgt Ion:198 Resp: 333

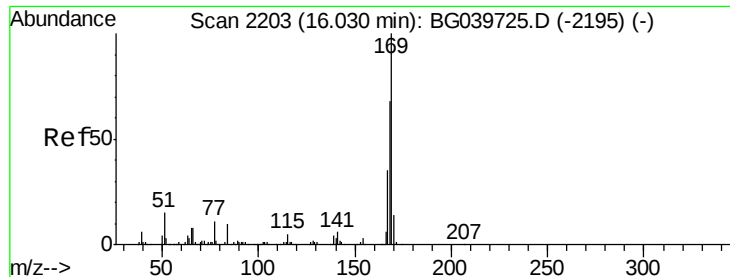
Ion Ratio Lower Upper

198 100

51 137.9 27.4 67.4#

105 136.9 19.7 59.7#

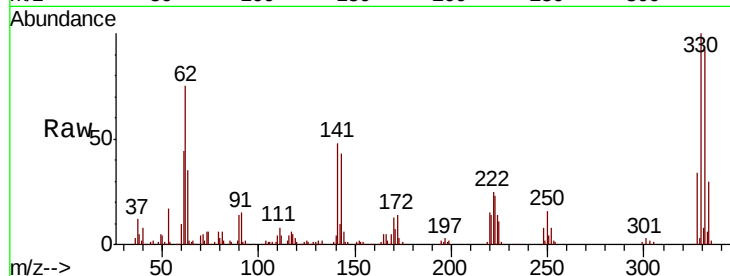




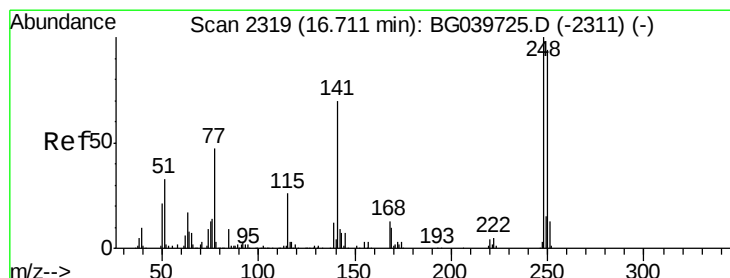
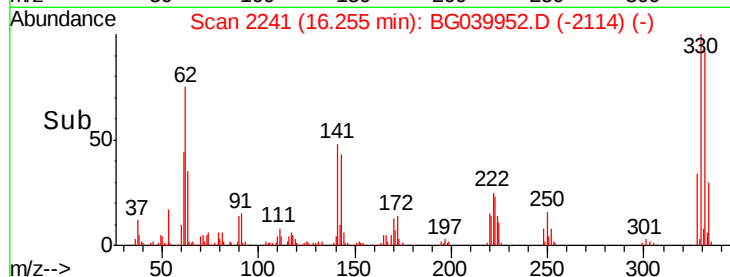
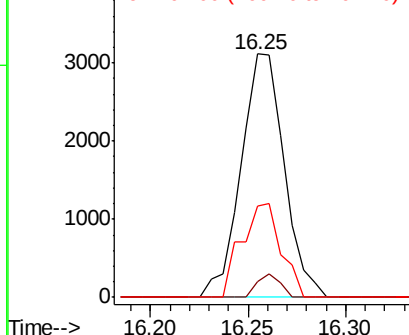
#66
 n-Nitrosodiphenylamine
 Concen: 2947.793 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. 0.22 min
 Lab File: BG039952.D
 Acq: 15 Mar 2019 22:08

Instrument :
 BNA_G
 ClientSampleId :
 SB-1(12-13)

Tgt Ion:169 Resp: 4779
 Ion Ratio Lower Upper
 169 100
 168 6.5 56.6 85.0#
 167 37.3 28.8 43.2

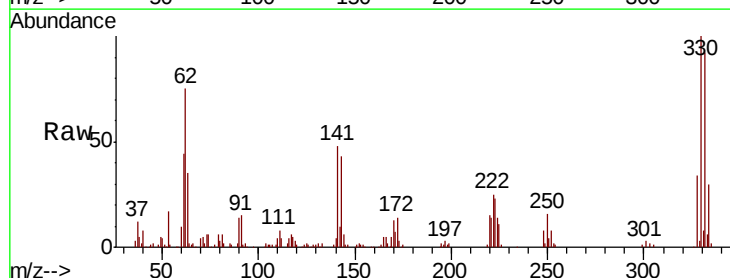


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

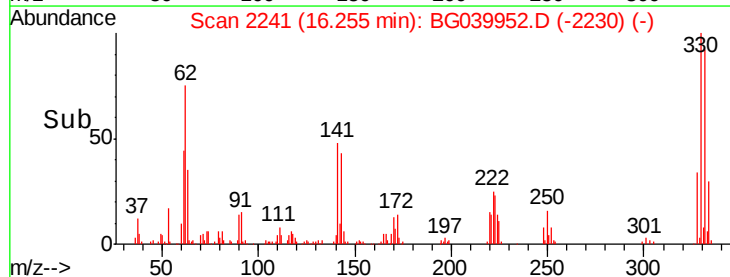
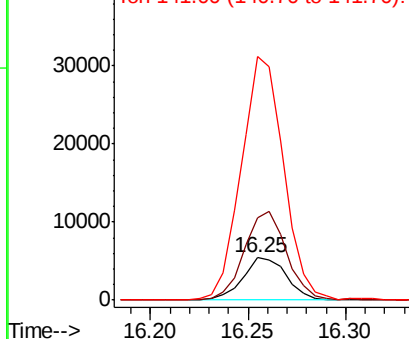


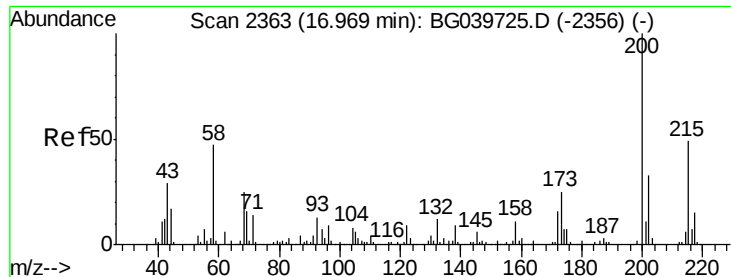
#67
 4-Bromophenyl-phenylether
 Concen: 13435.883 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG039952.D
 Acq: 15 Mar 2019 22:08

Tgt Ion:248 Resp: 8422
 Ion Ratio Lower Upper
 248 100
 250 192.8 77.6 116.4#
 141 571.4 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





#69

Atrazine

Concen: 86.200 ng

RT: 16.94 min Scan# 2357

Delta R.T. -0.03 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

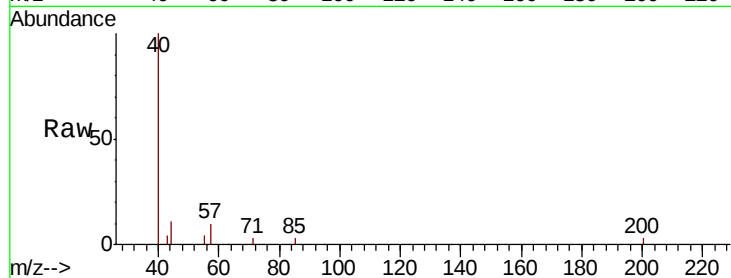
Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	3.9	43.9#
215	0.0	30.9	70.9#

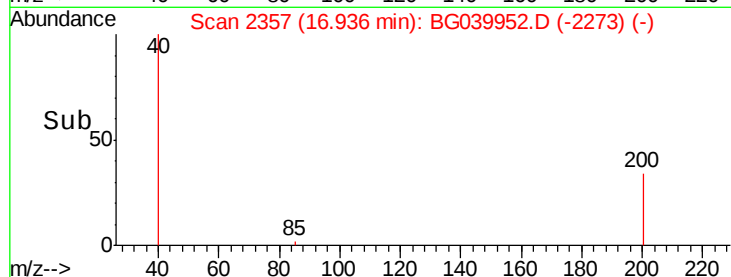


Abundance Ion 200.00 (199.70 to 200.70): E

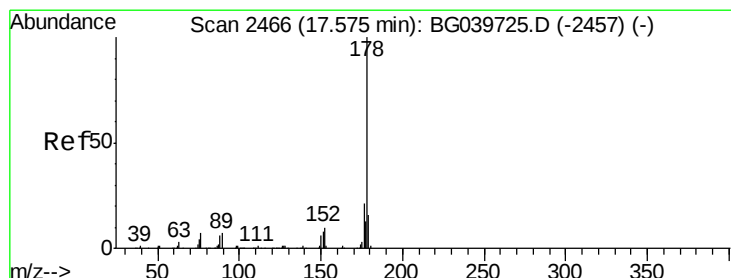
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.94



Time-->



#71

Phenanthrene

Concen: 88.182 ng

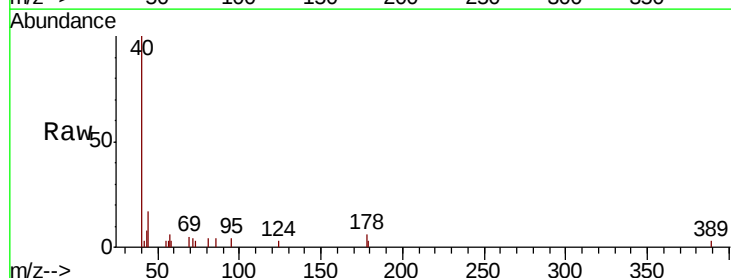
RT: 17.56 min Scan# 2463

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.2	24.4#
179	57.7	12.6	19.0#

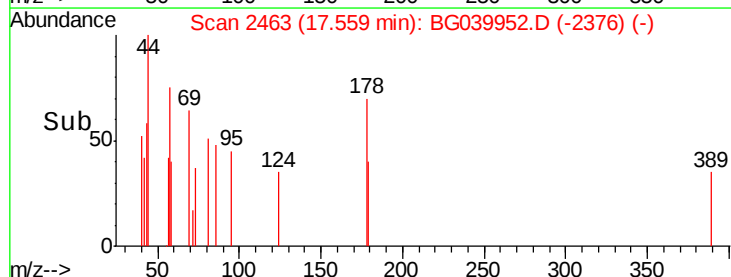


Abundance Ion 178.00 (177.70 to 178.70): E

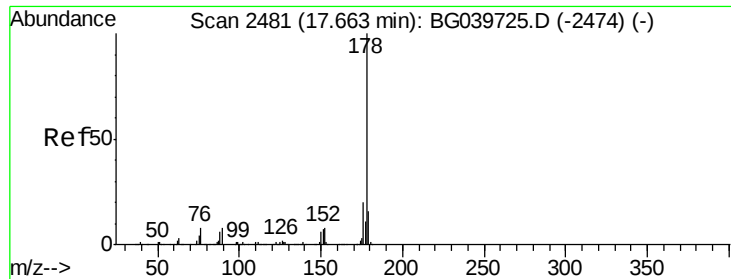
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.56



Time-->



#72

Anthracene

Concen: 90.490 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.11 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

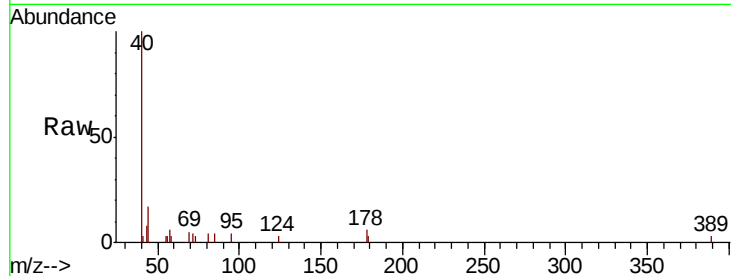
Tgt Ion:178 Resp: 272

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

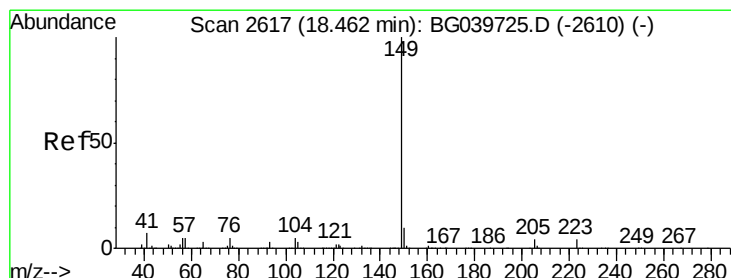
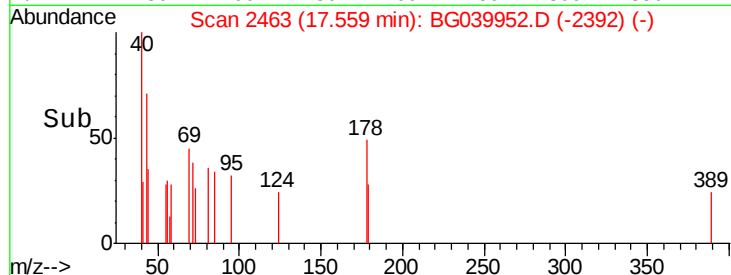
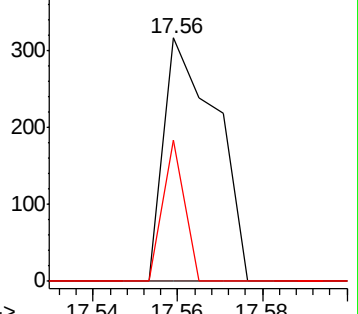
179 57.7 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 106.640 ng

RT: 18.45 min Scan# 2615

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

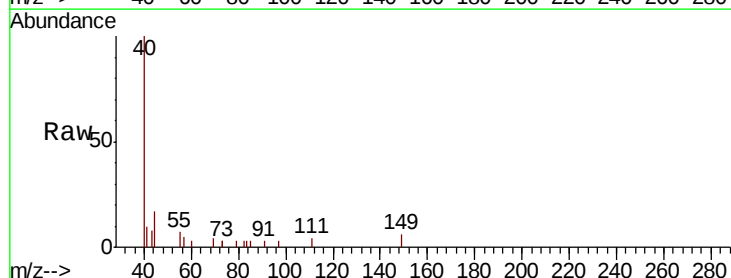
Tgt Ion:149 Resp: 340

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

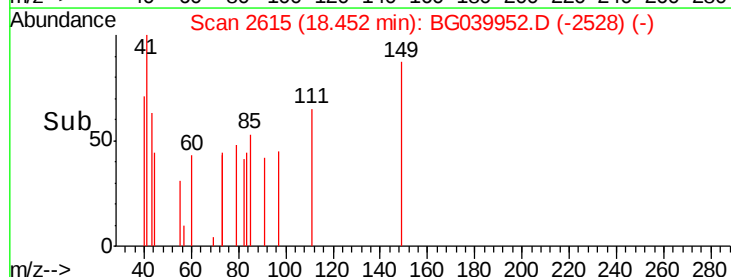
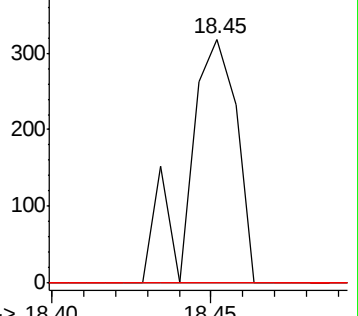
104 0.0 4.5 6.7#

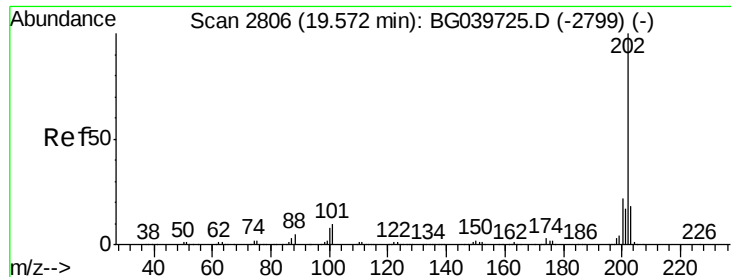


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 14.539 ng

RT: 19.22 min Scan# 2746

Delta R.T. -0.36 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

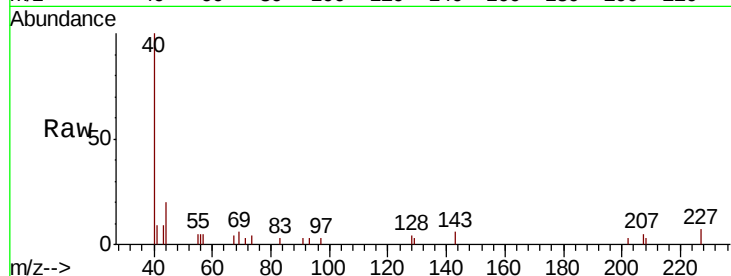
Tgt Ion: 202 Resp: 53

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

203 0.0 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.22

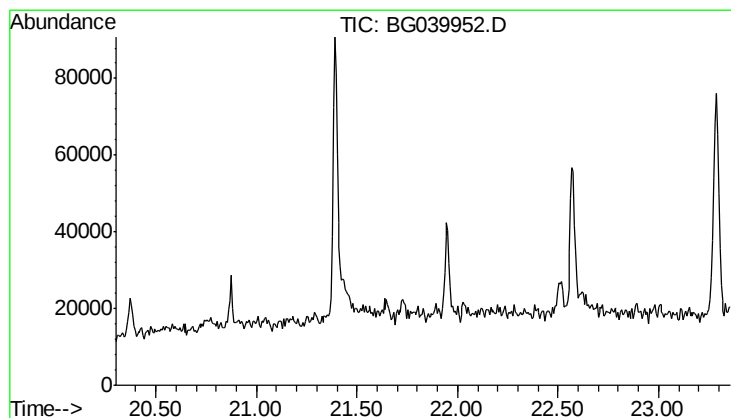
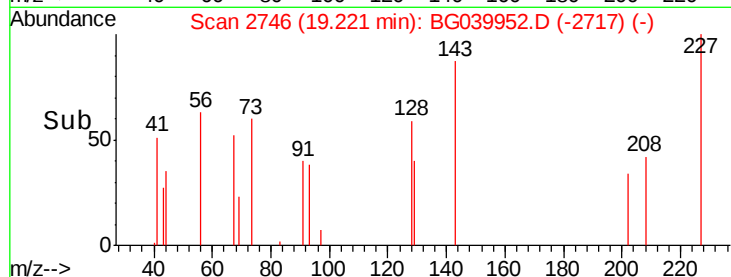
150

100

50

0

19.20 19.22 19.24



#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 21.83 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

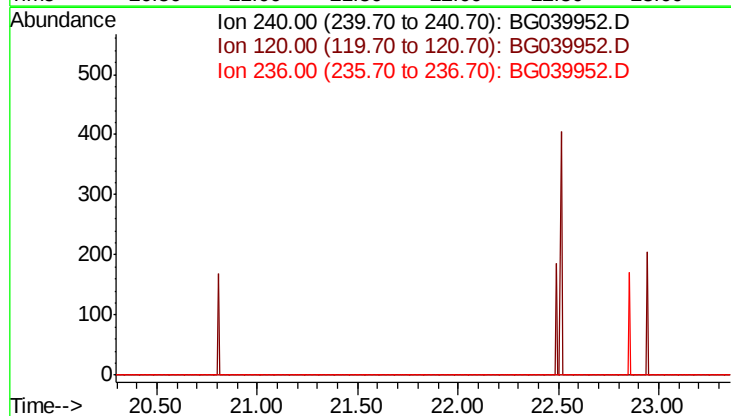
Tgt Ion: 240

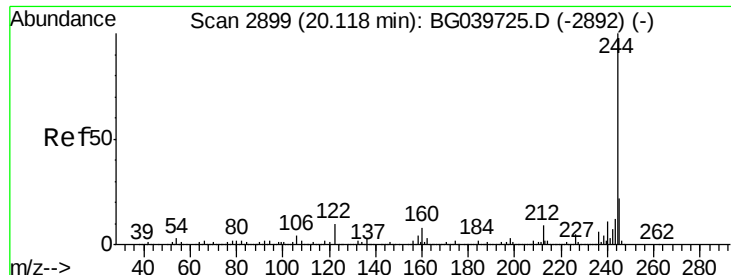
Sig Exp Ratio

240 100

120 8.8

236 26.2





#79

Terphenyl-d14

Concen: 0.000 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

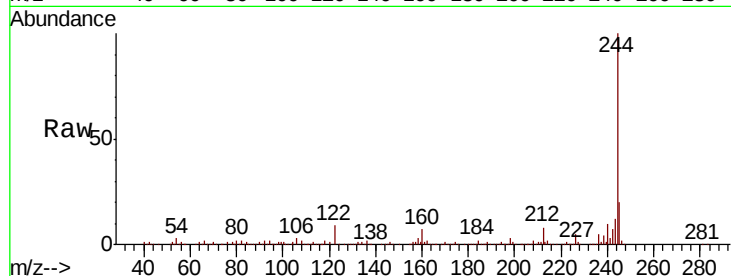
Tgt Ion:244 Resp: 475679

Ion Ratio Lower Upper

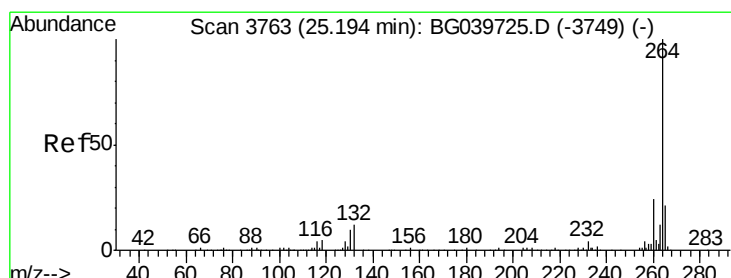
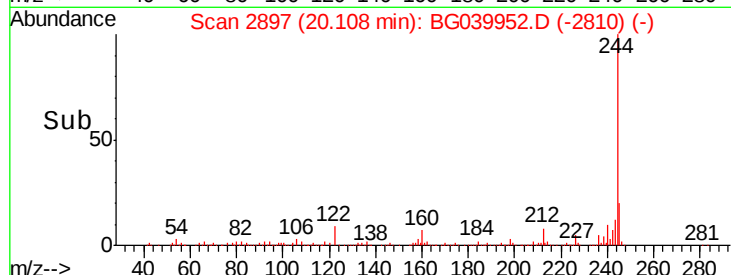
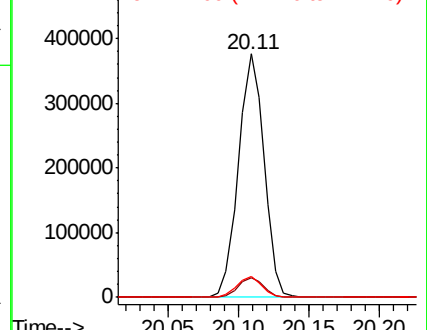
244 100

212 8.0 7.3 10.9

122 8.8 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

Perylene-d12

Concen: 20.000 ng

RT: 25.18 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

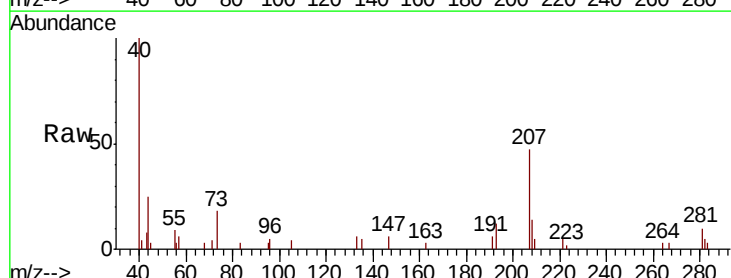
Tgt Ion:264 Resp: 55

Ion Ratio Lower Upper

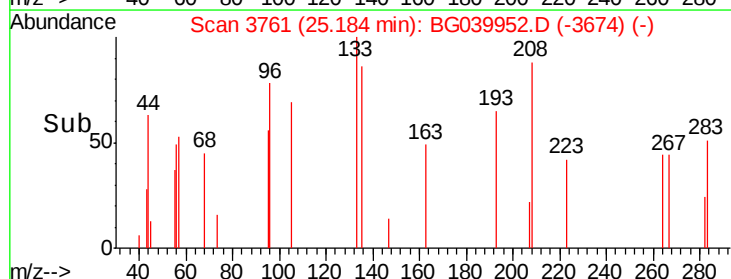
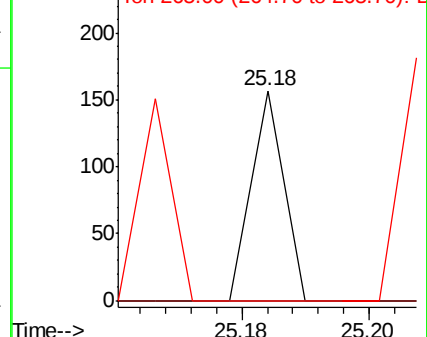
264 100

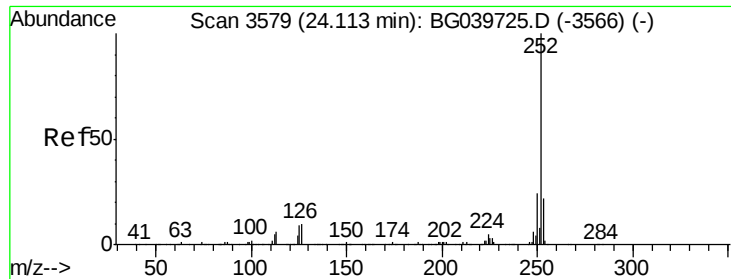
260 0.0 18.2 27.4#

265 0.0 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





#88

Benzo(b)fluoranthene

Concen: 21.953 ng

RT: 24.60 min Scan# 3662

Delta R.T. 0.48 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)

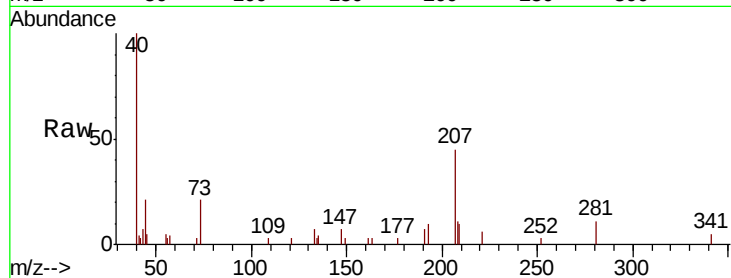
Tgt Ion:252 Resp: 72

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

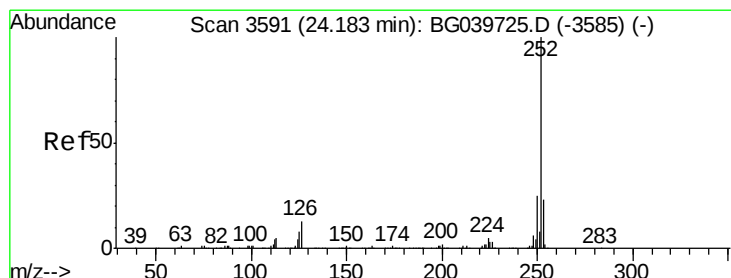
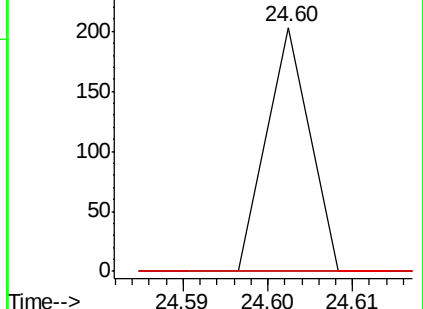
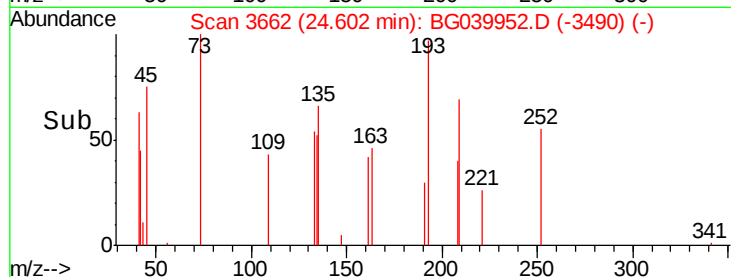
125 0.0 7.8 11.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 23.584 ng

RT: 24.60 min Scan# 3662

Delta R.T. 0.41 min

Lab File: BG039952.D

Acq: 15 Mar 2019 22:08

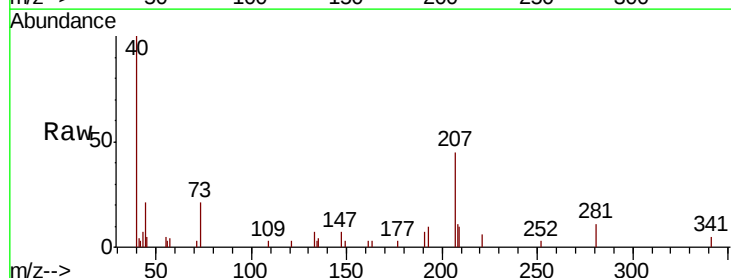
Tgt Ion:252 Resp: 72

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

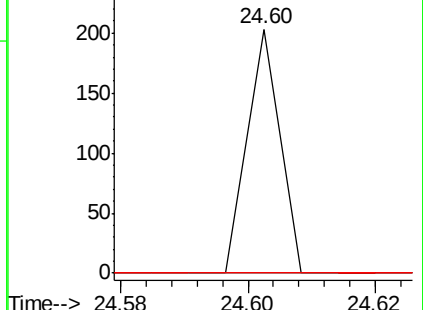
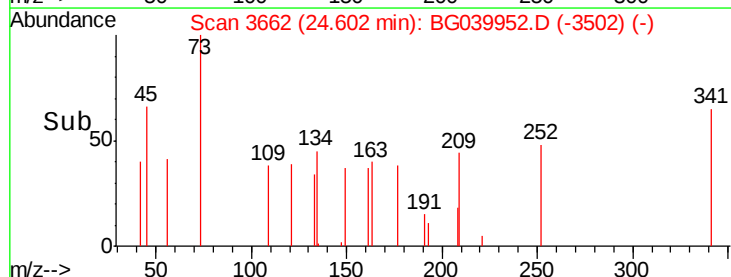
125 0.0 7.4 11.2#

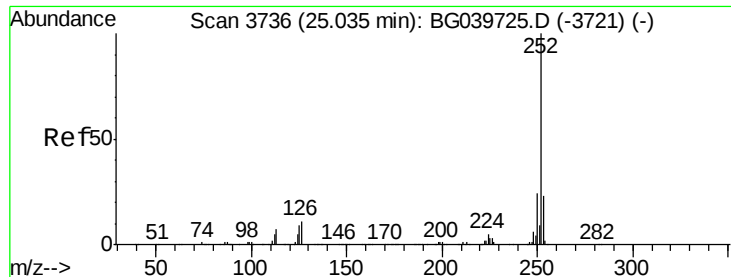


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 23.757 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.44 min

Lab File: BG039952.D

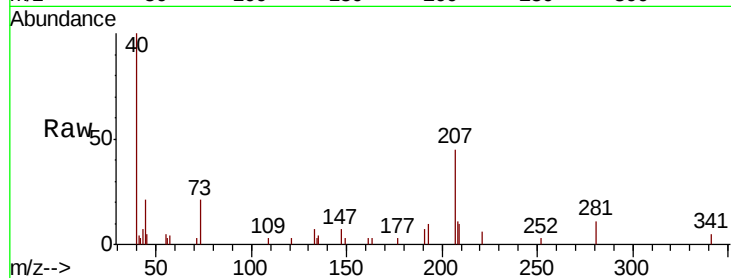
Acq: 15 Mar 2019 22:08

Instrument :

BNA_G

ClientSampleId :

SB-1(12-13)



Tgt Ion:	252	Resp:	72
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.9	26.9#
125	0.0	8.3	12.5#

