

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037318.D
 Acq On : 13 Oct 2018 9:22
 Operator : JU/SJ
 Sample : J5383-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:14:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	55027	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	234222	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	160309	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	404149	20.00	ng	0.00
76) Chrysene-d12	21.78	240	379206	20.00	ng	-0.02
87) Perylene-d12	25.12	264	395469	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	144086	46.08	ng	0.00
7) Phenol-d6	7.25	99	129630	27.31	ng	0.00
23) Nitrobenzene-d5	9.29	82	416046	116.78	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	180803	115.00	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1055018	98.83	ng	0.00
79) Terphenyl-d14	20.09	244	1602007	88.71	ng	0.00

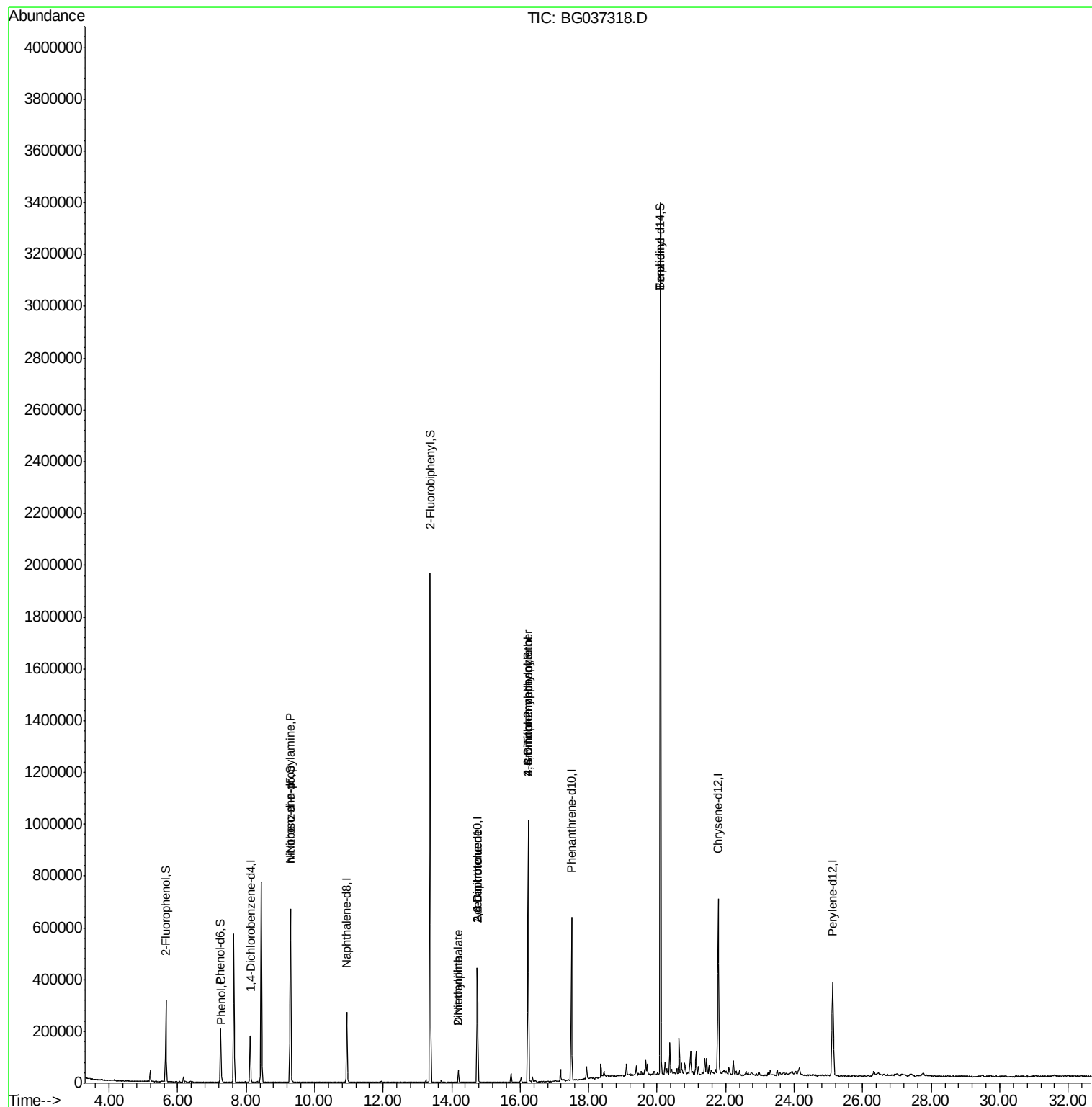
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	12921	2.585	ng	93
19) n-Nitroso-di-n-propylamine	9.29	70	53712	14.949	ng	# 70
48) 2-Nitroaniline	14.19	65	214	5.825	ng	# 1
50) Dimethylphthalate	14.20	163	32141	2.551	ng	99
51) 2,6-Dinitrotoluene	14.75	165	20147	12.218	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	20147	11.115	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.23	198	479	6.277	ng	99
67) 4-Bromophenyl-phenylether	16.23	248	13724	3.146	ng	# 1
77) Benzidine	20.09	184	30263	2.086	ng	97

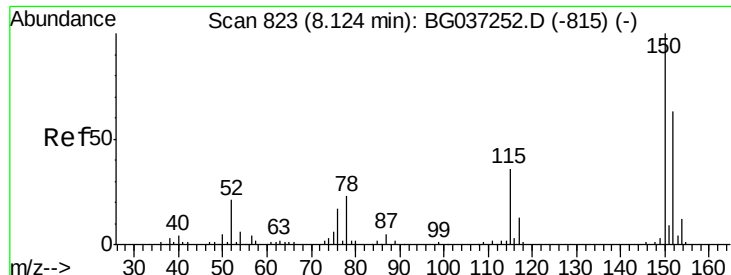
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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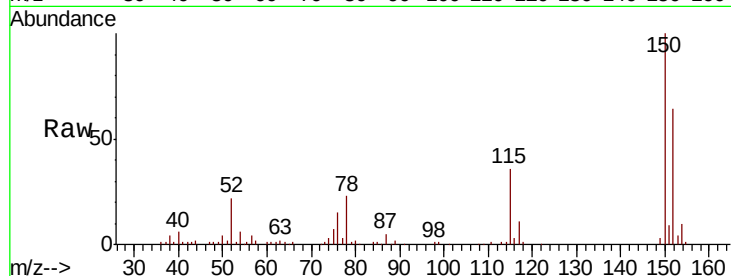


#1

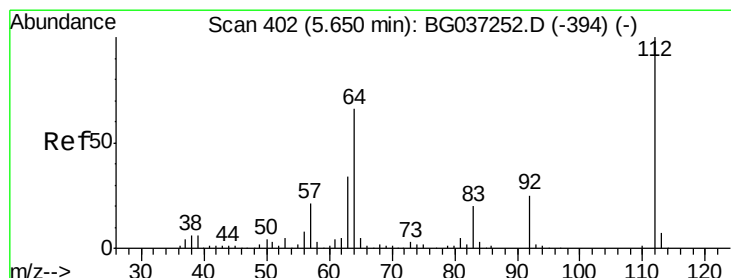
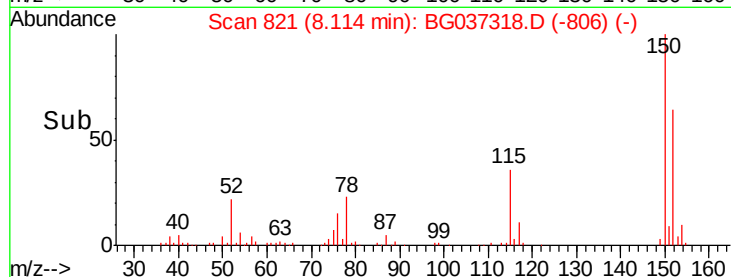
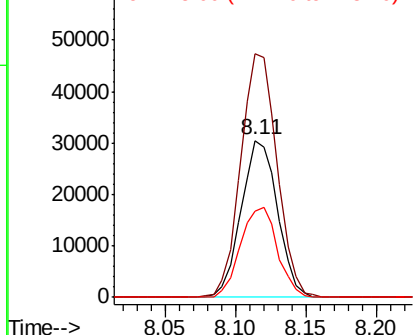
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037318.D
Acq: 13 Oct 2018 9:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55027
Ion Ratio Lower Upper
152 100
150 155.3 126.0 189.0
115 55.4 45.5 68.3



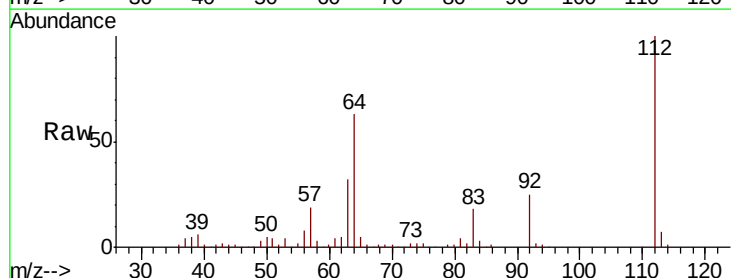
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



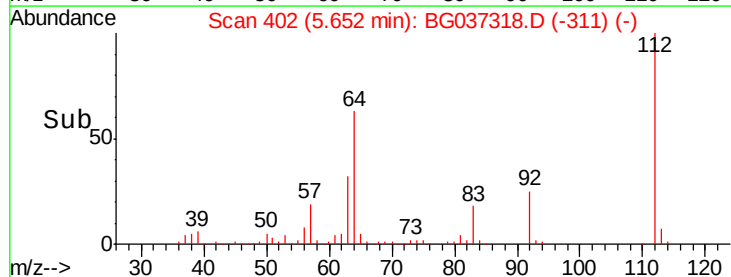
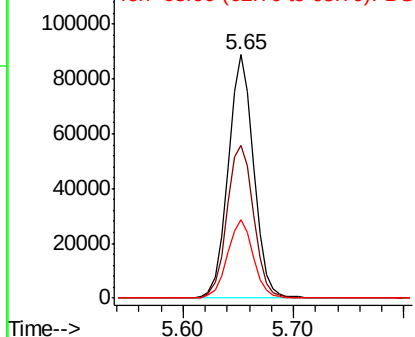
#5

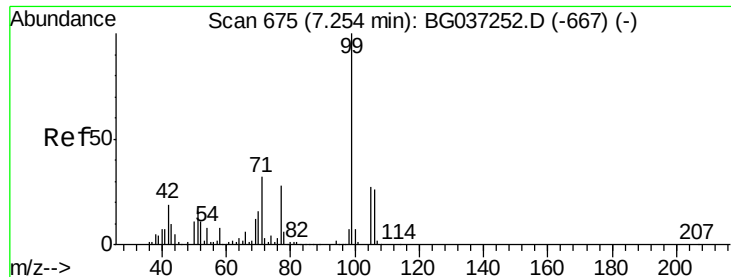
2-Fluorophenol
Concen: 46.082 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037318.D
Acq: 13 Oct 2018 9:22

Tgt Ion:112 Resp: 144086
Ion Ratio Lower Upper
112 100
64 62.9 53.1 79.7
63 32.0 27.3 40.9



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





#7

Phenol-d6

Concen: 27.315 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

Instrument :

BNA_G

ClientSampled :

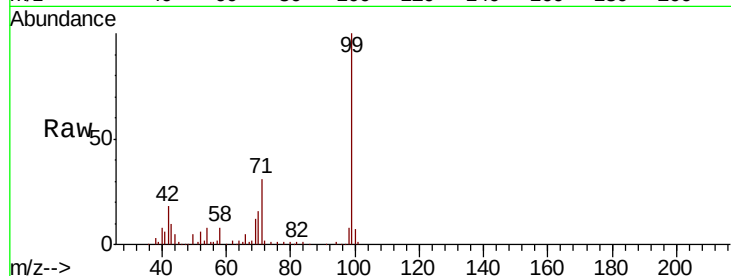
Tot Ion: 99 Resp: 129630

Ion Ratio Lower Upper

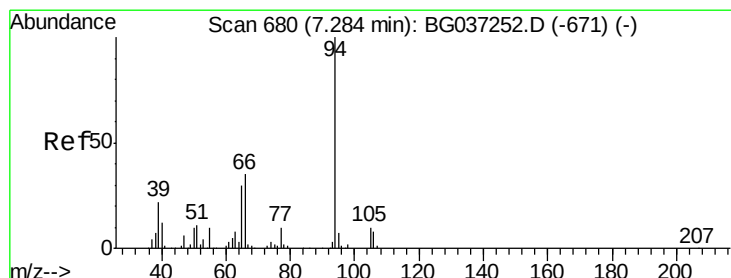
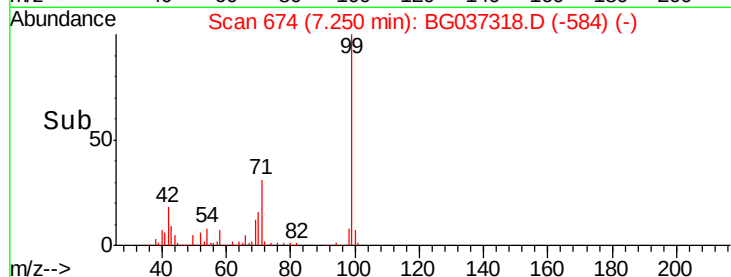
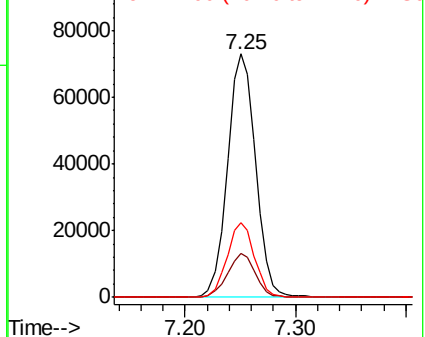
99 100

42 18.2 15.0 22.4

71 30.6 25.5 38.3



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



#10

Phenol

Concen: 2.585 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

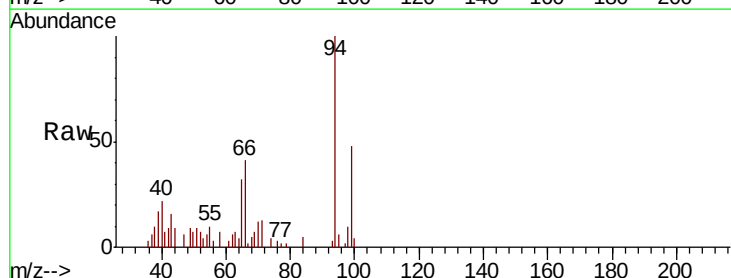
Tgt Ion: 94 Resp: 12921

Ion Ratio Lower Upper

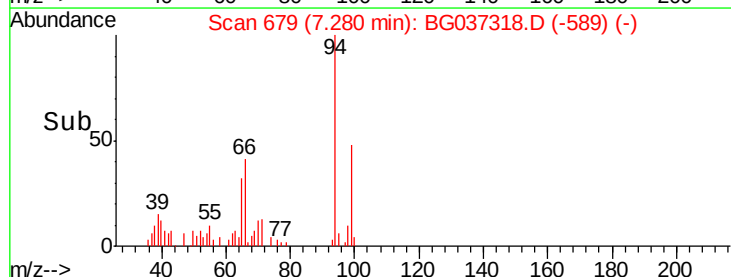
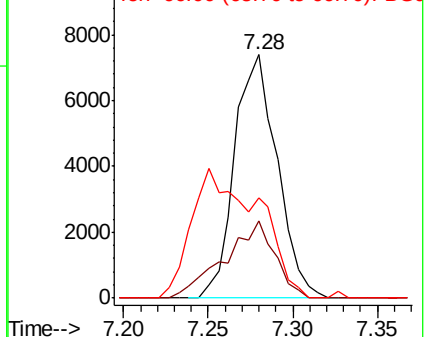
94 100

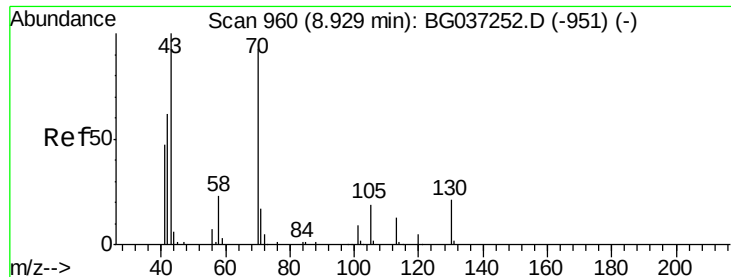
65 31.9 9.7 49.7

66 41.1 15.9 55.9



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





#19

n-Nitroso-di-n-propylamine

Concen: 14.949 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.37 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 53712

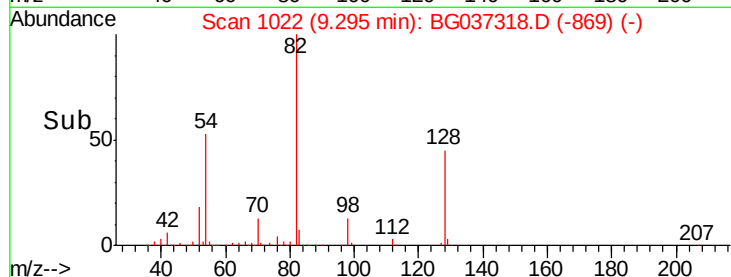
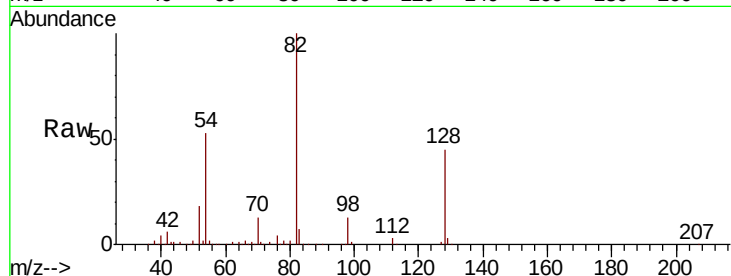
Ion Ratio Lower Upper

70 100

42 46.6 53.9 80.9#

101 0.0 8.2 12.2#

130 2.0 18.2 27.4#

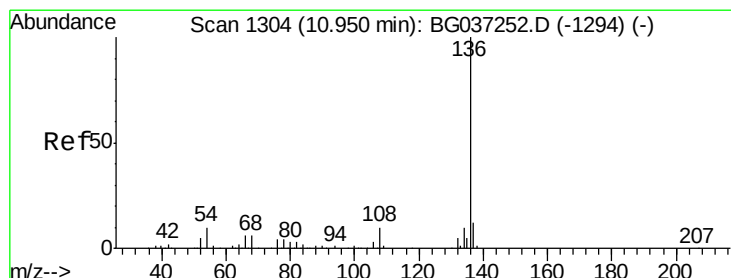
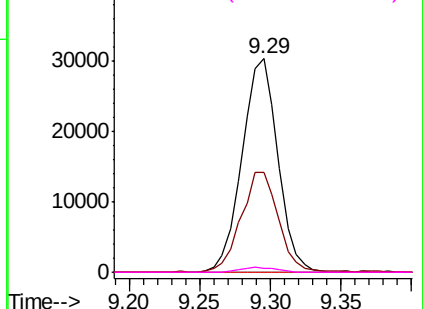


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.94 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

Tgt Ion: 136 Resp: 234222

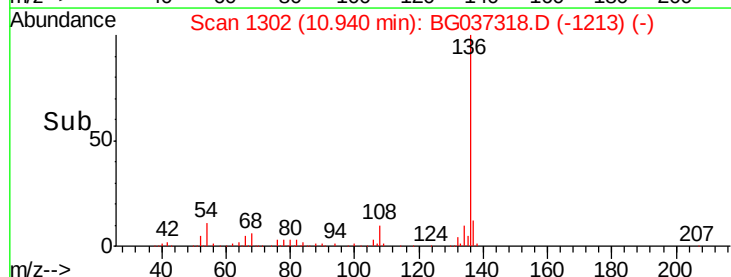
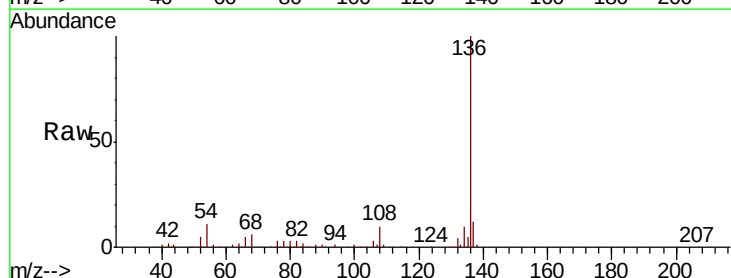
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 10.6 7.9 11.9

68 6.4 4.8 7.2

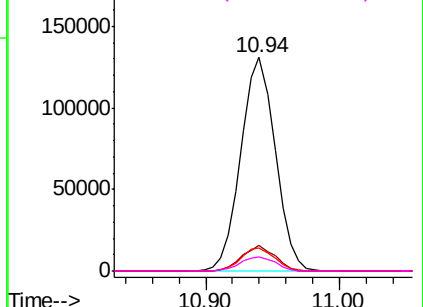


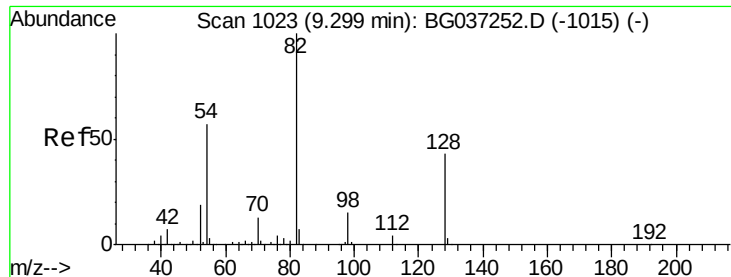
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

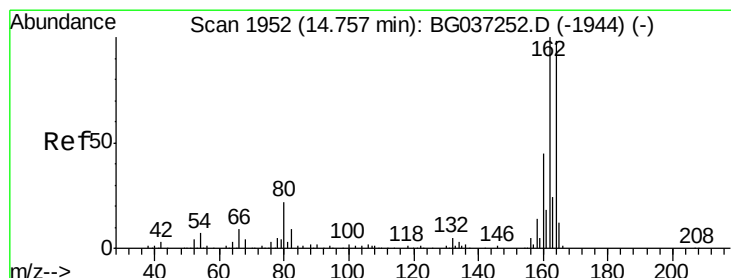
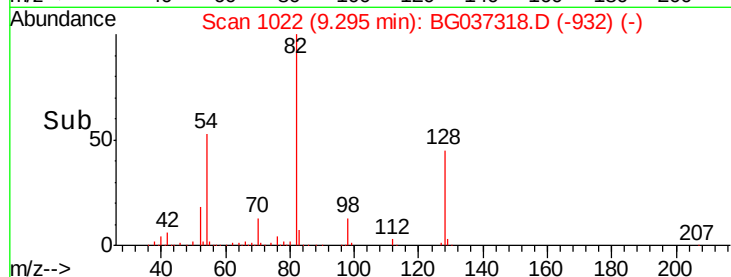
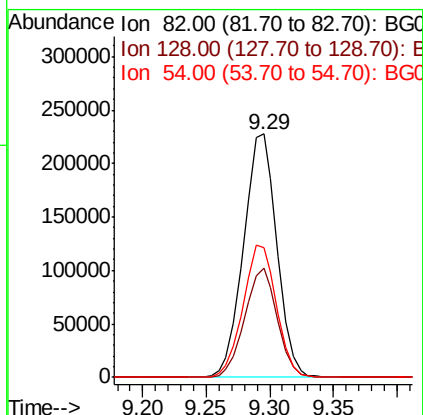
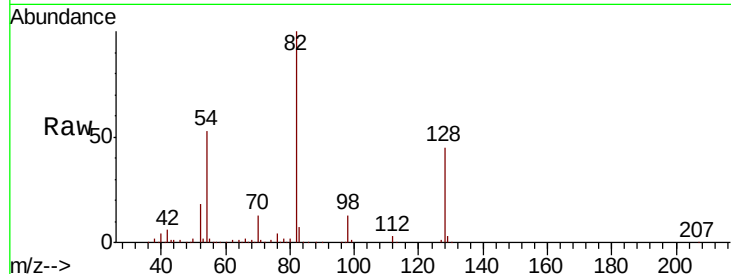




#23
 Nitrobenzene-d5
 Concen: 116.782 ng
 RT: 9.29 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

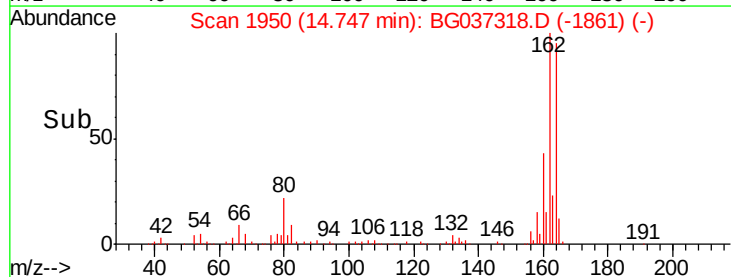
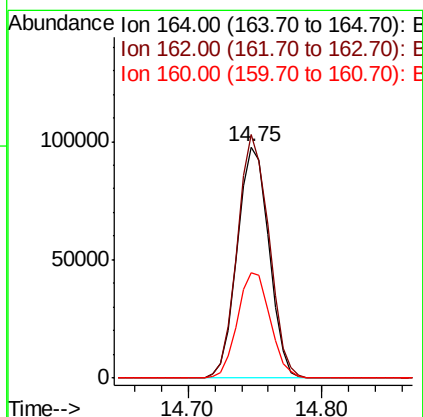
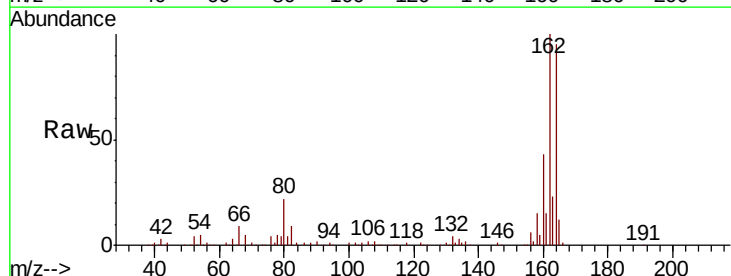
Instrument :
 BNA_G
 ClientSampled :

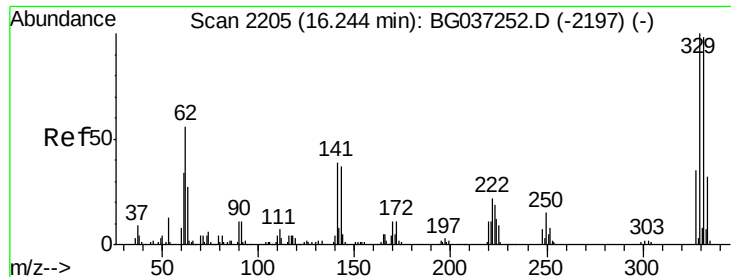
Tot Ion	82	Resp	416046
Ion Ratio	100	Lower	Upper
128	44.6	34.6	51.8
54	53.2	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

Tgt Ion	164	Resp	160309
Ion Ratio	100	Lower	Upper
162	105.5	81.3	121.9
160	45.7	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 115.001 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

Instrument :

BNA_G

ClientSampleId :

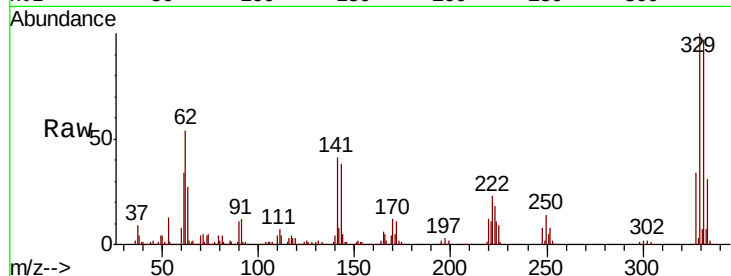
Tot Ion:330 Resp: 180803

Ion Ratio Lower Upper

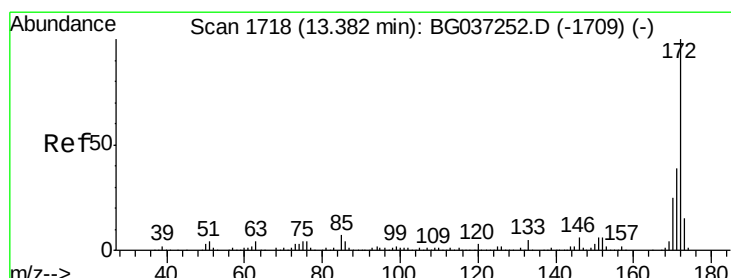
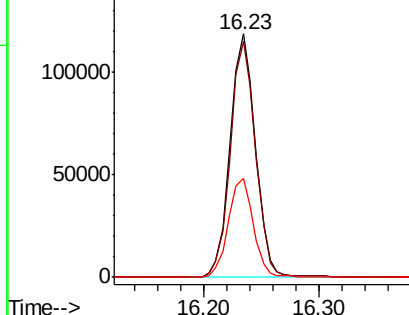
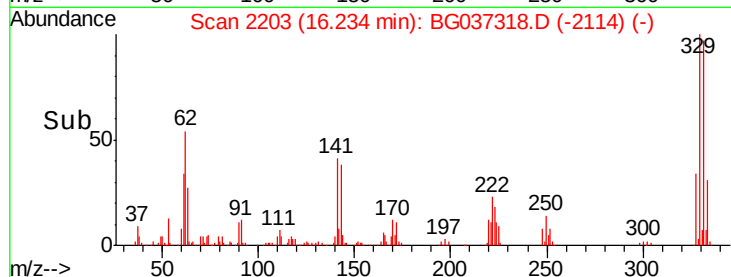
330 100

332 96.4 78.4 117.6

141 40.3 32.2 48.2



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: 98.833 ng

RT: 13.37 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

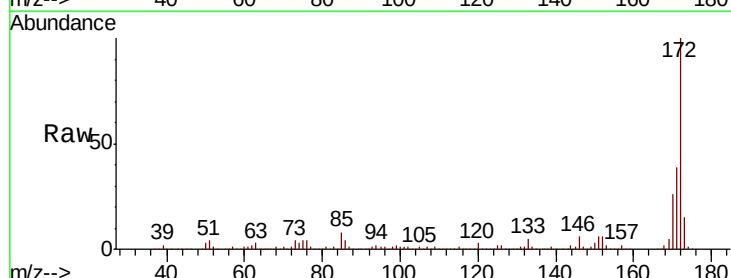
Tgt Ion:172 Resp: 1055018

Ion Ratio Lower Upper

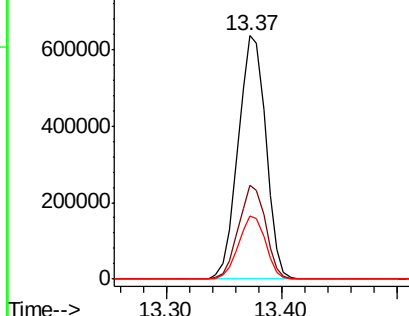
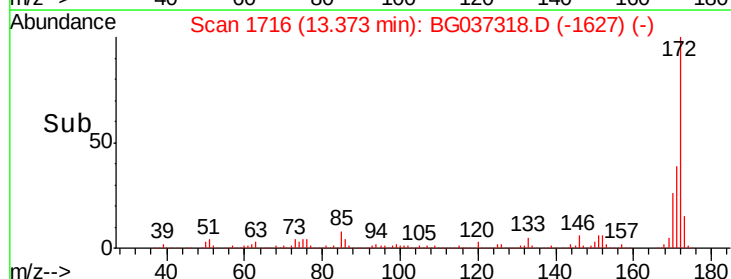
172 100

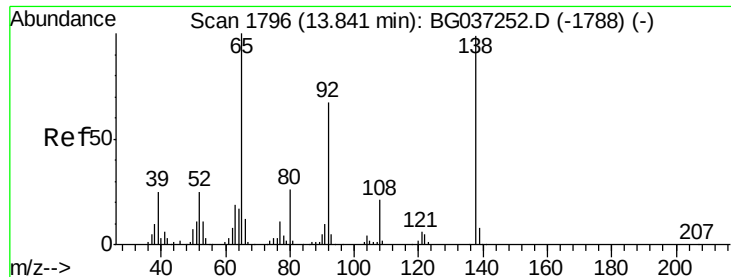
171 38.7 31.0 46.4

170 26.1 20.2 30.2



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





#48

2-Nitroaniline

Concen: 5.825 ng

RT: 14.19 min Scan# 1855

Delta R.T. 0.35 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

Instrument :

BNA_G

ClientSampled :

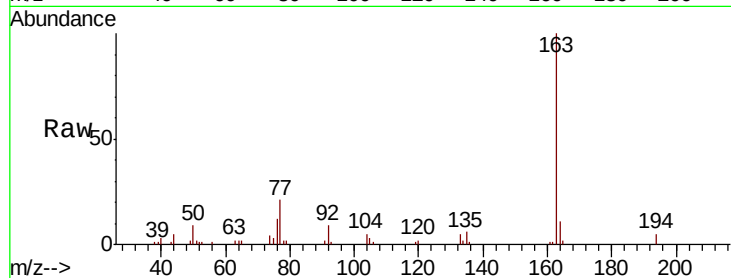
Tot Ion: 65 Resp: 214

Ion Ratio Lower Upper

65 100

92 615.8 53.2 79.8#

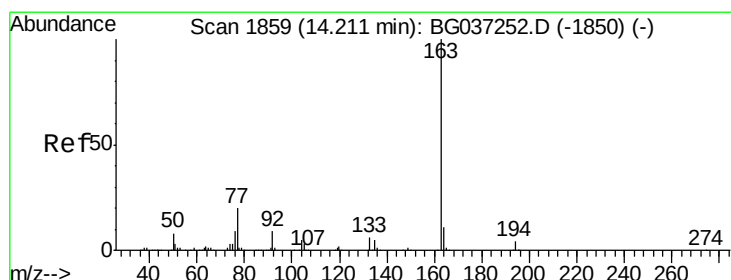
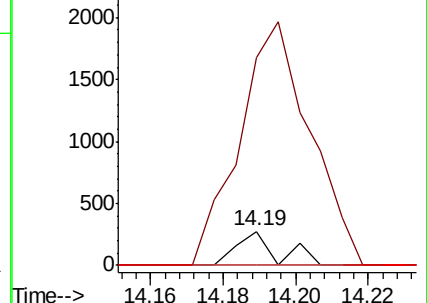
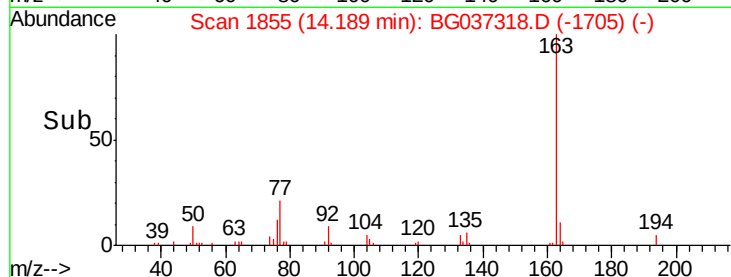
138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BG037318.D (-1705) (-)

Ion 92.00 (91.70 to 92.70): BG037318.D (-1705) (-)

Ion 138.00 (137.70 to 138.70): BG037318.D (-1705) (-)



#50

Dimethylphthalate

Concen: 2.551 ng

RT: 14.20 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

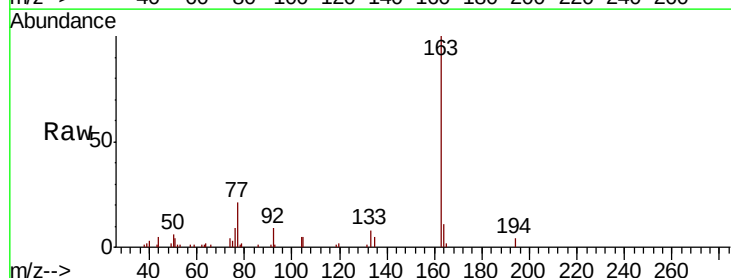
Tgt Ion: 163 Resp: 32141

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

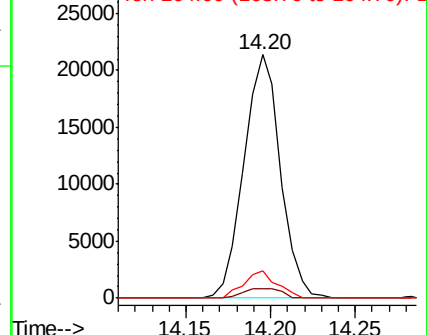
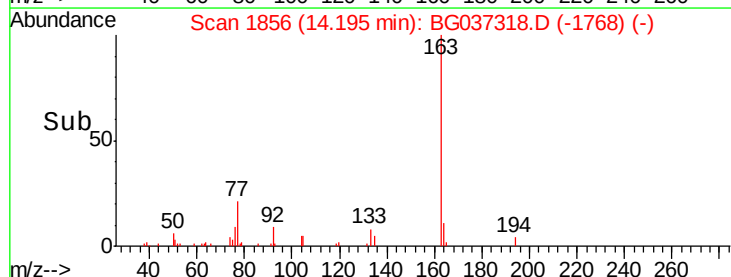
164 11.0 8.5 12.7

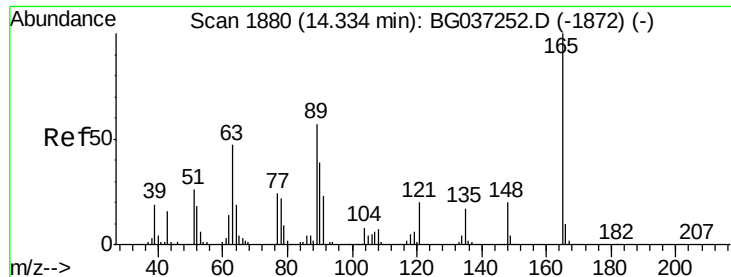


Abundance Ion 163.00 (162.70 to 163.70): BG037318.D (-1768) (-)

Ion 194.00 (193.70 to 194.70): BG037318.D (-1768) (-)

Ion 164.00 (163.70 to 164.70): BG037318.D (-1768) (-)

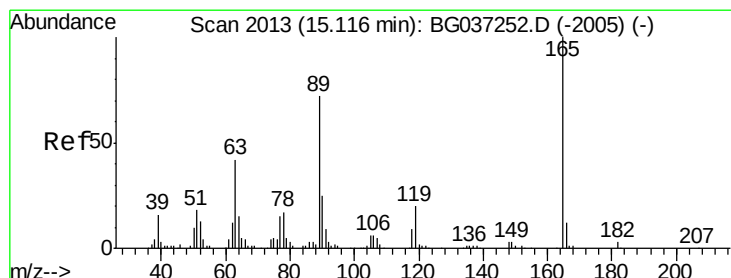
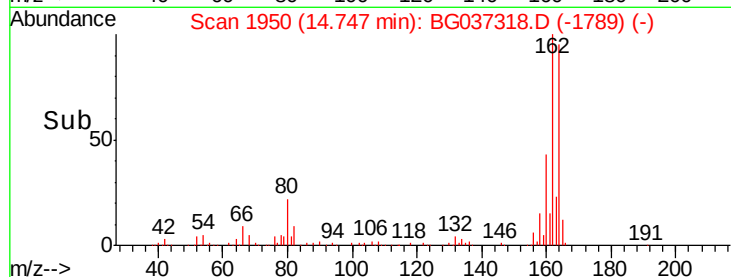
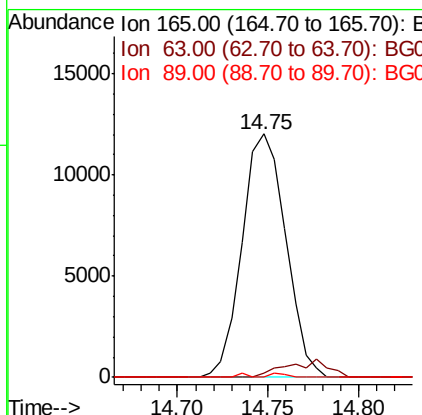
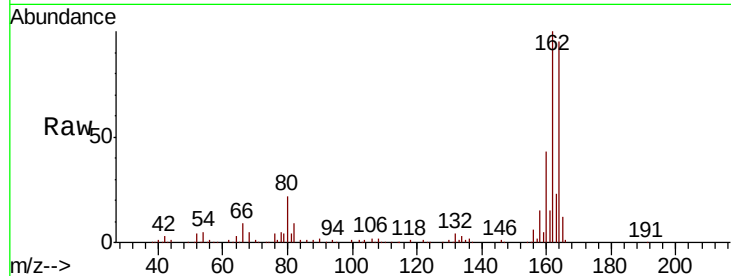




#51
 2,6-Dinitrotoluene
 Concen: 12.218 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

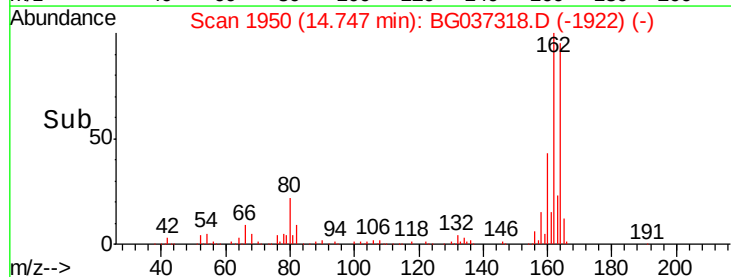
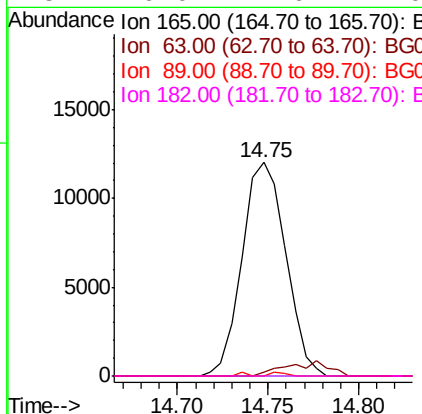
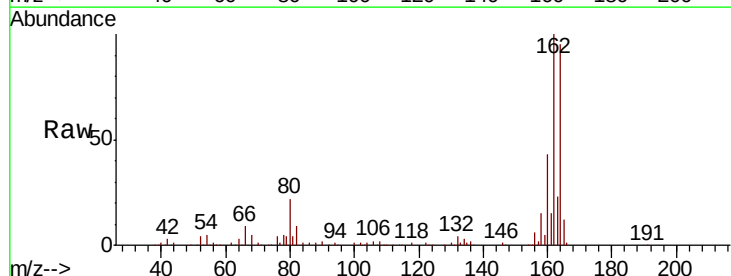
Instrument :
 BNA_G
 ClientSampleId :

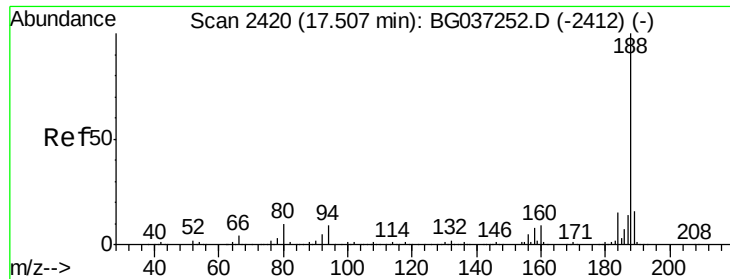
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.2#
89	0.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 11.115 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#

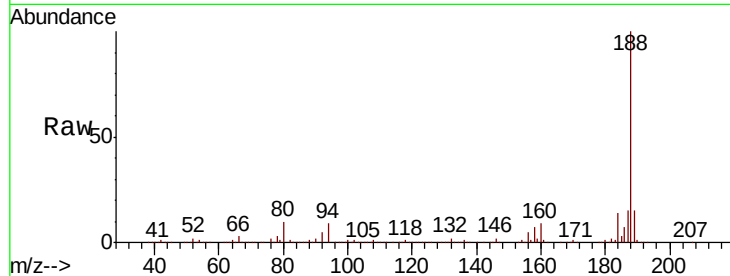




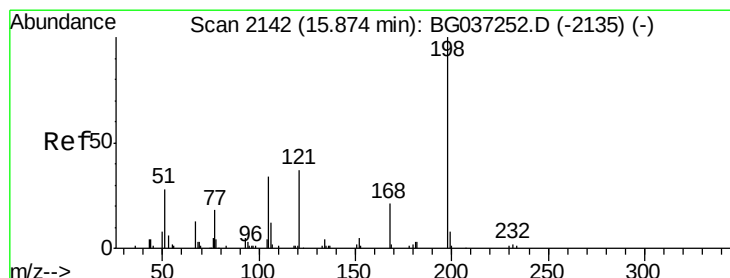
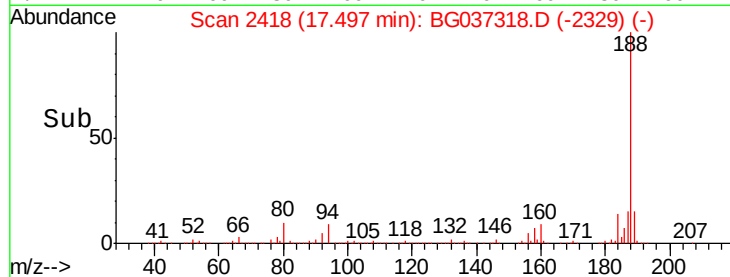
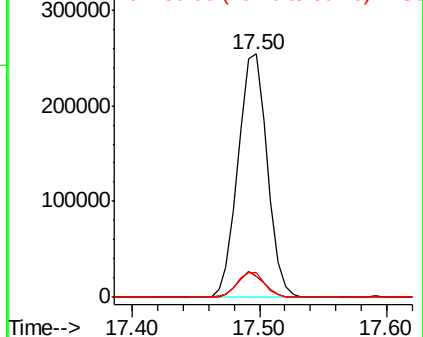
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 404149
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.2 10.8
 80 10.4 7.7 11.5

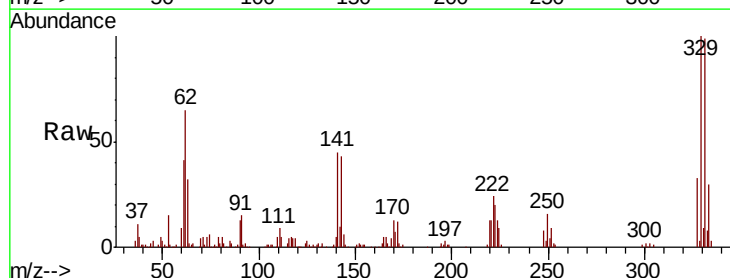


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

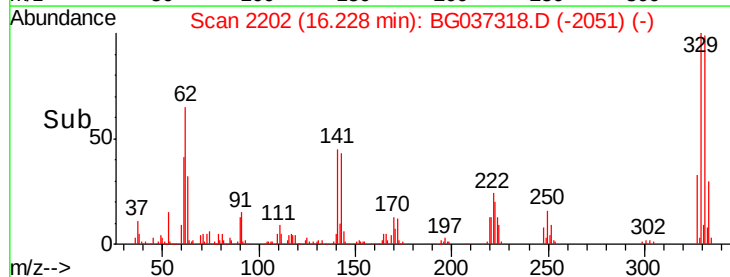
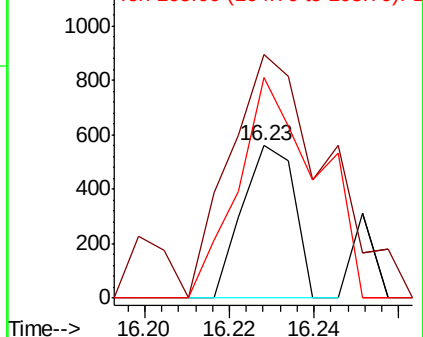


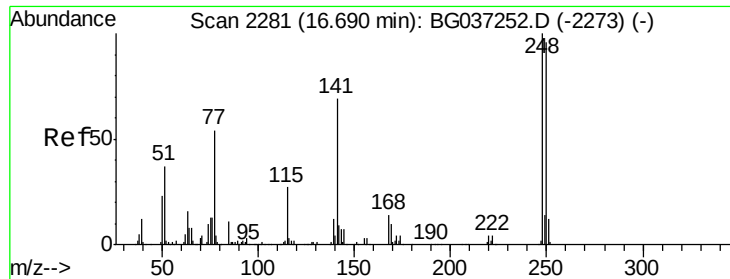
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.277 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. 0.36 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

Tgt Ion:198 Resp: 479
 Ion Ratio Lower Upper
 198 100
 51 43.4 22.7 62.7
 105 39.3 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

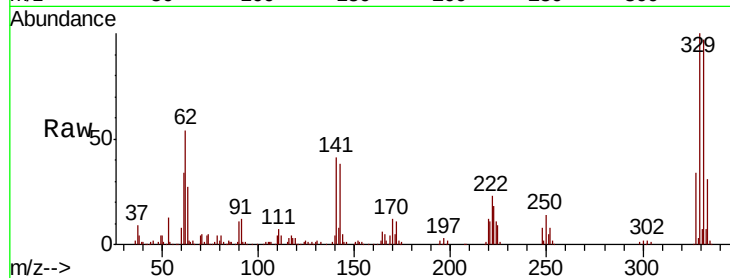




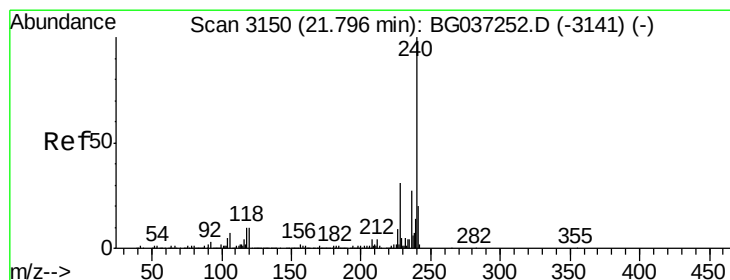
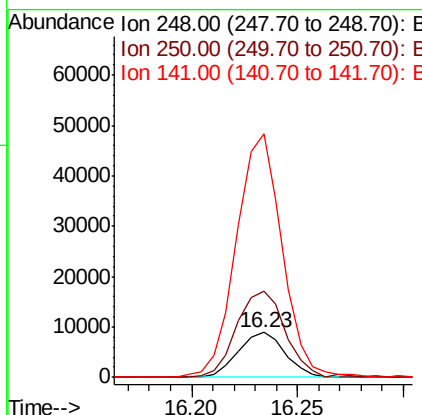
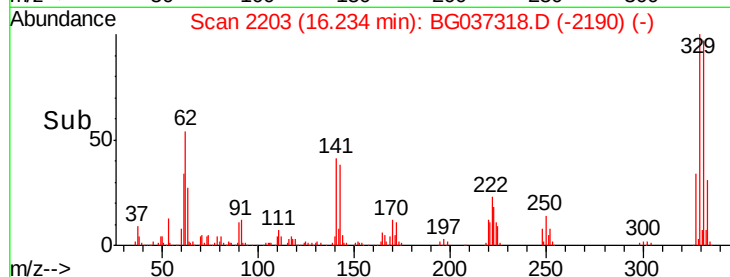
#67
 4-Bromophenyl-phenylether
 Concen: 3.146 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.46 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13724
 Ion Ratio Lower Upper
 248 100
 250 193.3 77.0 115.6#
 141 410.0 55.5 83.3#

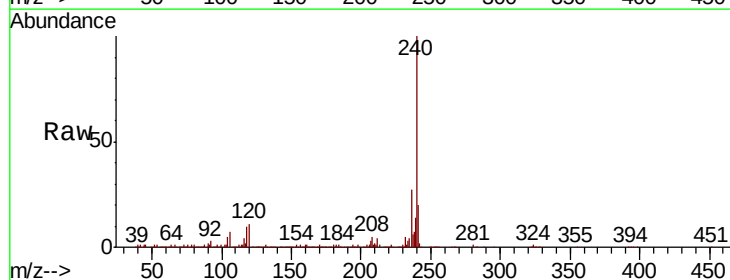


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

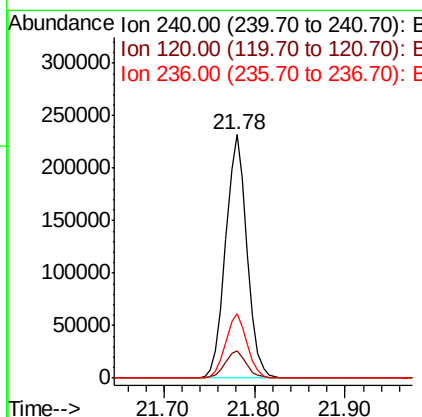
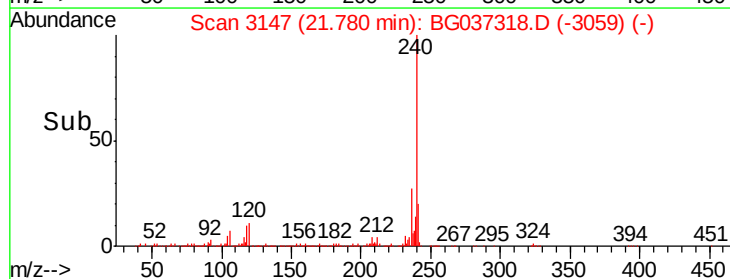


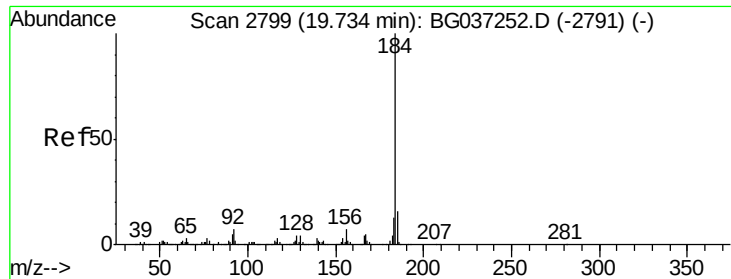
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3147
 Delta R.T. -0.02 min
 Lab File: BG037318.D
 Acq: 13 Oct 2018 9:22

Tgt Ion:240 Resp: 379206
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.1 12.1
 236 26.7 21.4 32.0



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: 2.086 ng

RT: 20.09 min Scan# 2860

Delta R.T. 0.36 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

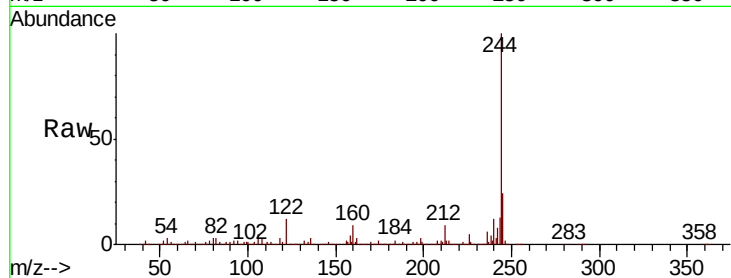
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 30263

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.6	18.8
183	10.7	10.2	15.2

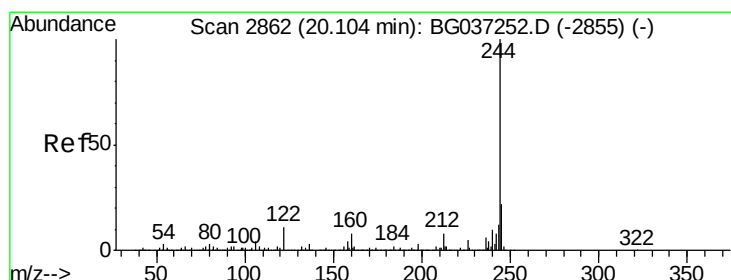
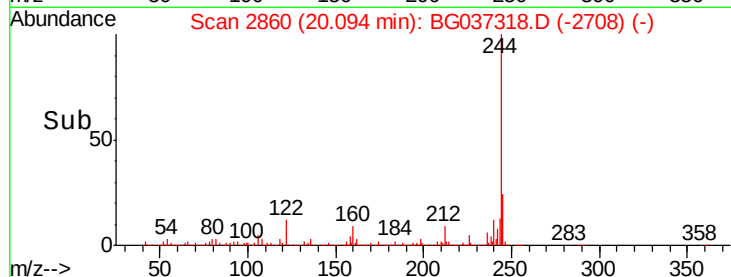
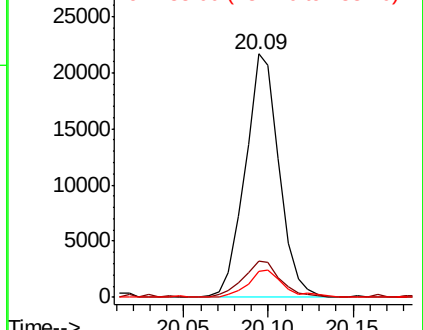


Abundance

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: 88.707 ng

RT: 20.09 min Scan# 2860

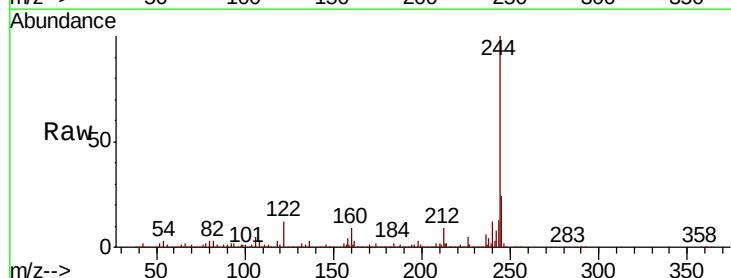
Delta R.T. -0.01 min

Lab File: BG037318.D

Acq: 13 Oct 2018 9:22

Tgt Ion:244 Resp: 1602007

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.5	9.7
122	11.9	9.0	13.4

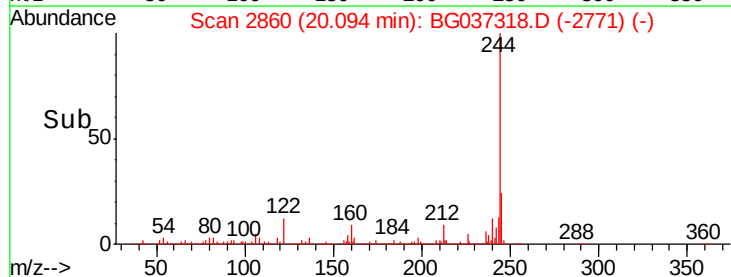
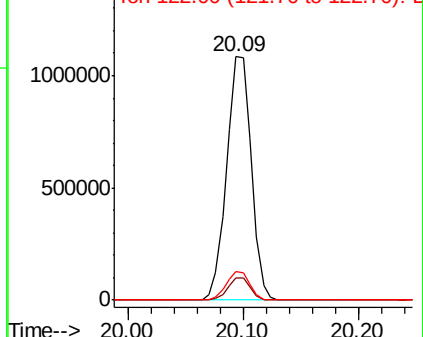


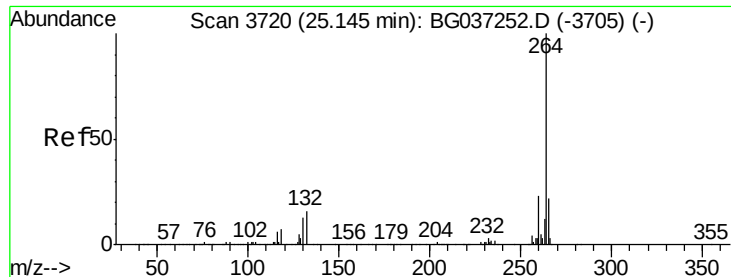
Abundance

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: 25.12 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG037318.D
Acq: 13 Oct 2018 9:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.7	17.9	26.9

