

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037678.D
 Acq On : 31 Oct 2018 7:40
 Operator : JU/SJ
 Sample : J5722-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 09:25:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

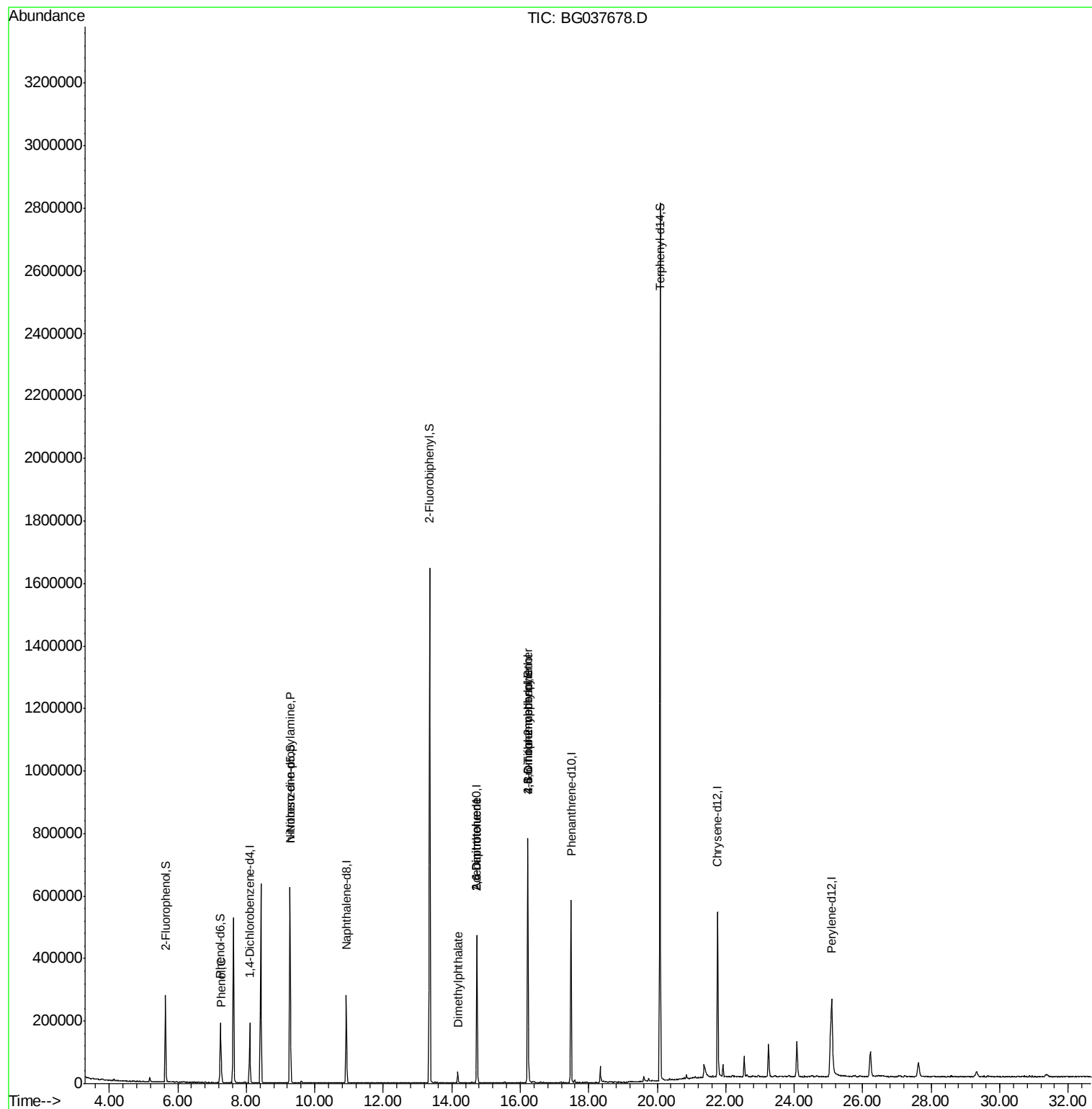
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	58465	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	252468	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	168675	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	383203	20.00	ng	0.00
76) Chrysene-d12	21.76	240	343558	20.00	ng	-0.02
87) Perylene-d12	25.10	264	327934	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	135124	38.64	ng	0.00
7) Phenol-d6	7.24	99	120647	22.82	ng	0.00
23) Nitrobenzene-d5	9.27	82	396307	87.93	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	143944	78.24	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	913548	81.67	ng	-0.02
79) Terphenyl-d14	20.08	244	1366160	84.97	ng	0.00
Target Compounds						
10) Phenol	7.27	94	50121	8.983	ng	93
19) n-Nitroso-di-n-propylamine	9.27	70	50870	13.970	ng	# 70
50) Dimethylphthalate	14.18	163	28049	2.150	ng	# 96
51) 2,6-Dinitrotoluene	14.73	165	21985	7.616	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	21985	5.802	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	479	8.703	ng	92
67) 4-Bromophenyl-phenylether	16.22	248	10178	2.419	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

Instrument :

BNA_G

ClientSampleId :

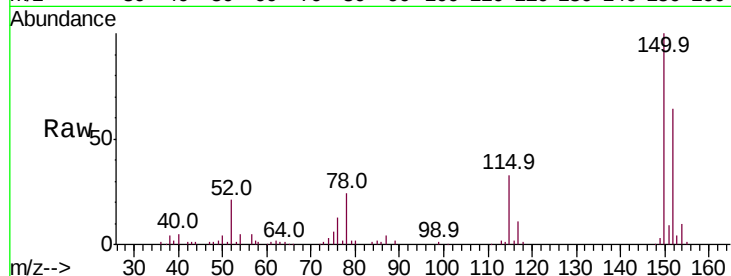
Tot Ion:152 Resp: 58465

Ion Ratio Lower Upper

152 100

150 157.4 126.0 189.0

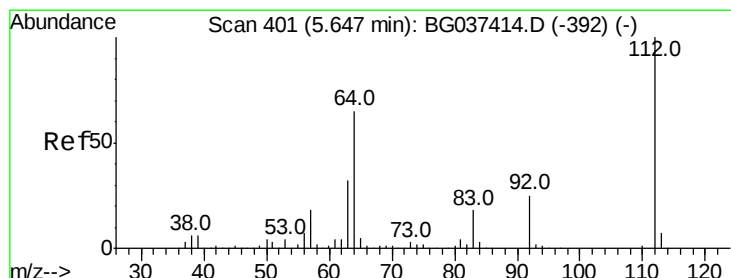
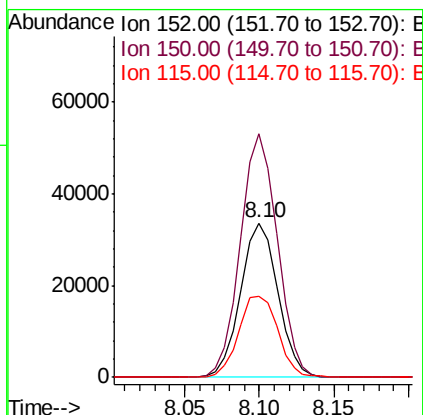
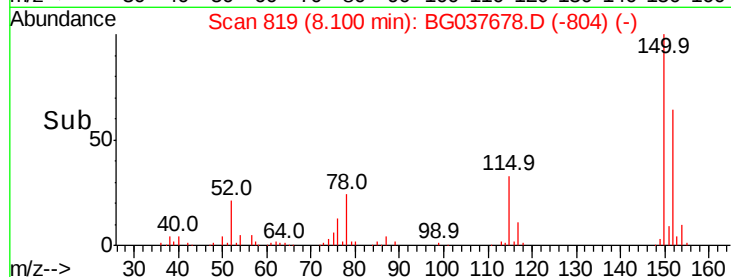
115 52.6 45.5 68.3



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: 38.640 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

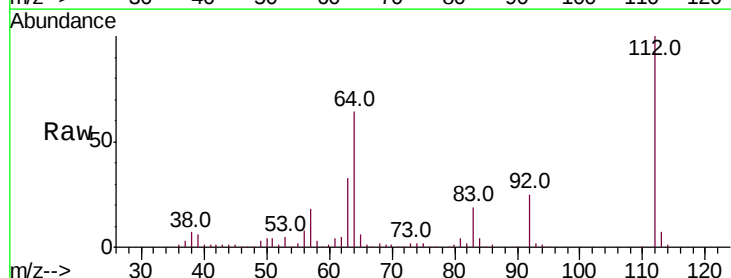
Tgt Ion:112 Resp: 135124

Ion Ratio Lower Upper

112 100

64 64.0 53.1 79.7

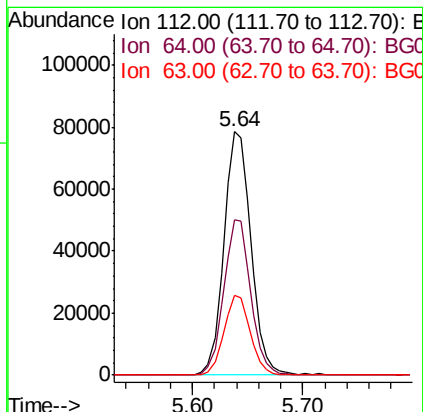
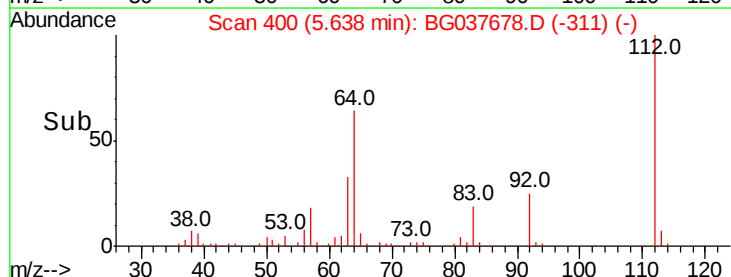
63 32.7 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 22.816 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

Instrument :

BNA_G

ClientSampleId :

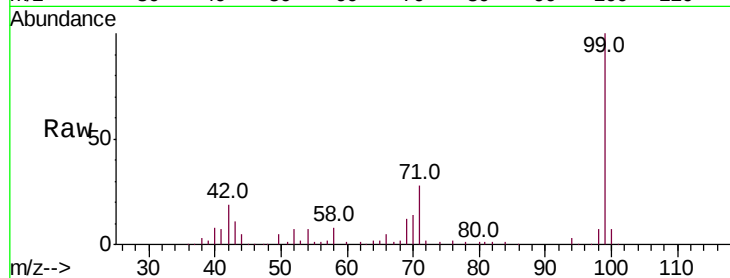
Tot Ion: 99 Resp: 120647

Ion Ratio Lower Upper

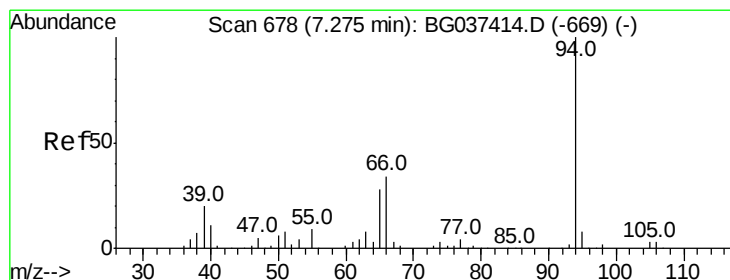
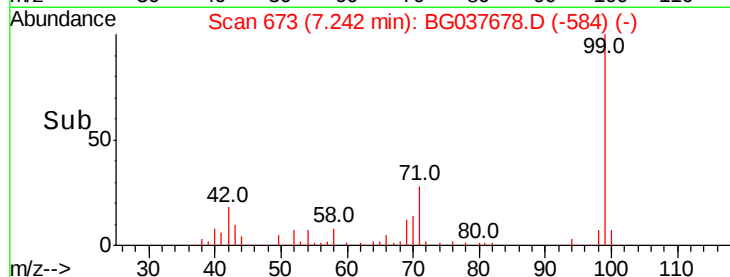
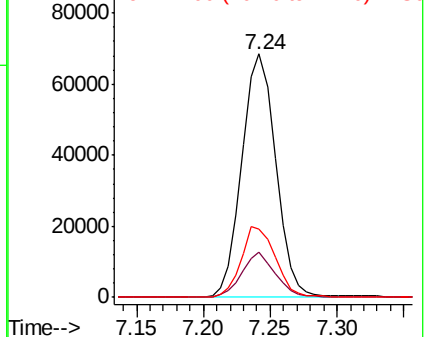
99 100

42 18.6 15.0 22.4

71 28.1 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: 8.983 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

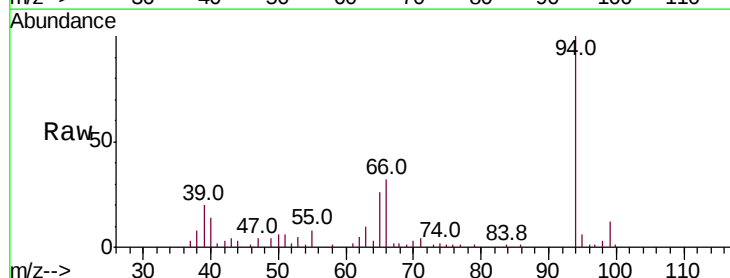
Tgt Ion: 94 Resp: 50121

Ion Ratio Lower Upper

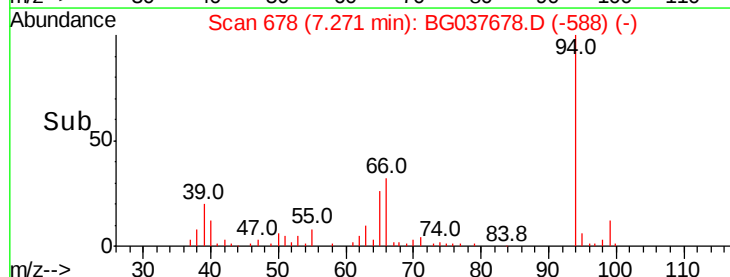
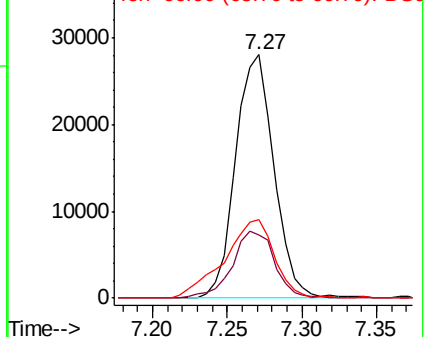
94 100

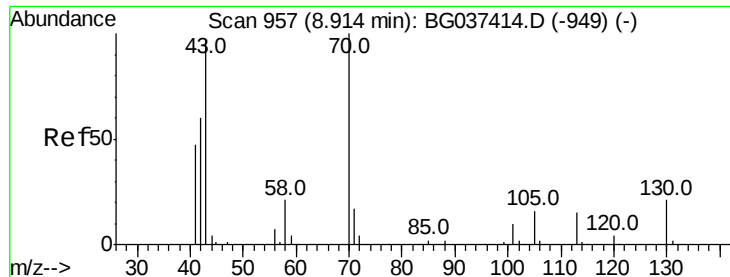
65 25.8 9.7 49.7

66 32.0 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: 13.970 ng

RT: 9.27 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 50870

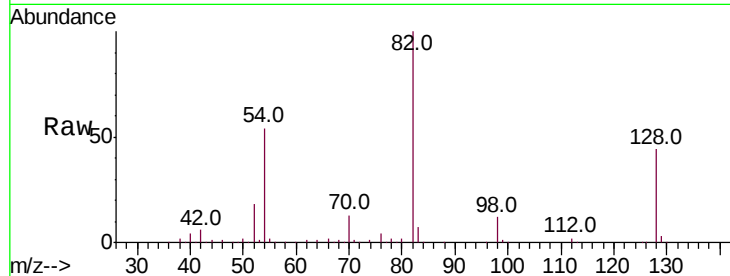
Ion Ratio Lower Upper

70 100

42 46.1 53.9 80.9#

101 0.0 8.2 12.2#

130 3.2 18.2 27.4#

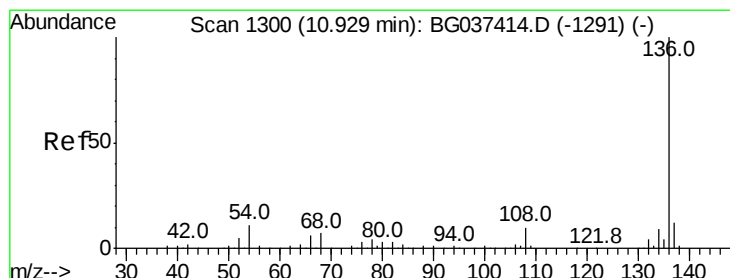
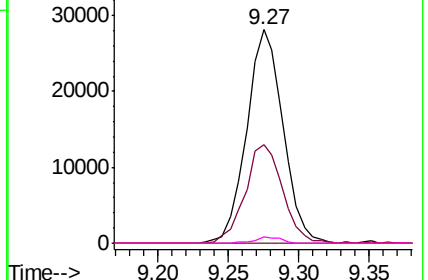
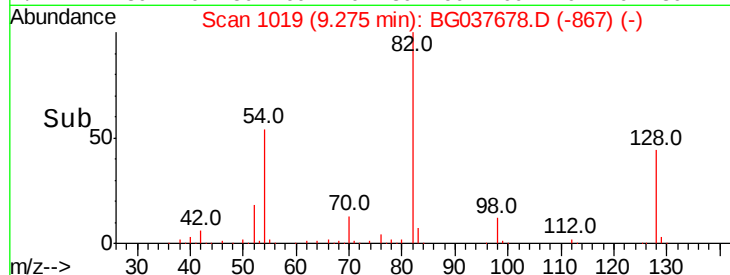


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

Tgt Ion: 136 Resp: 252468

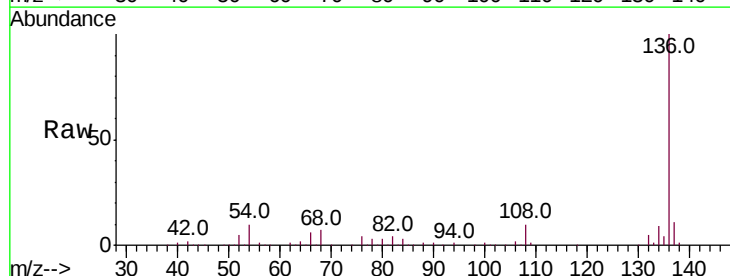
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 9.8 7.9 11.9

68 6.6 4.8 7.2

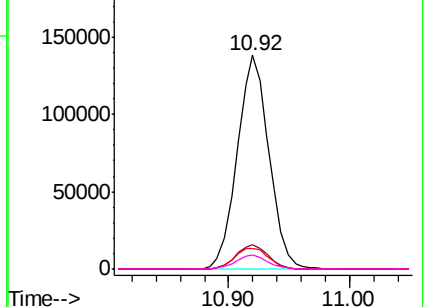
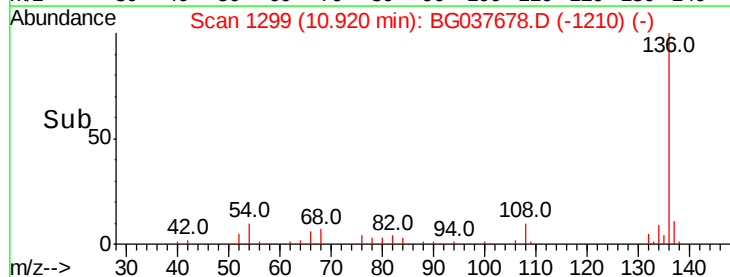


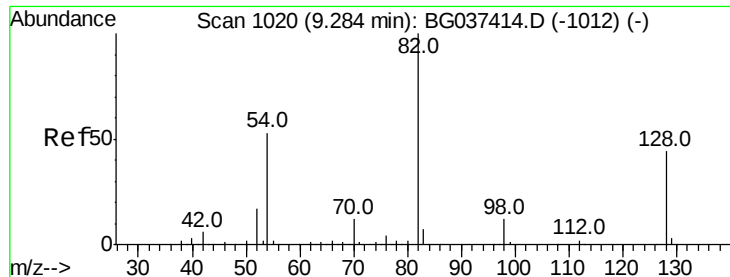
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

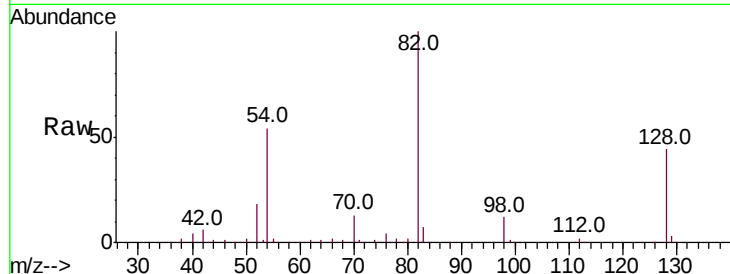




#23
Nitrobenzene-d5
Concen: 87.935 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037678.D
Acq: 31 Oct 2018 7:40

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	51.8
54	53.7	45.3	67.9

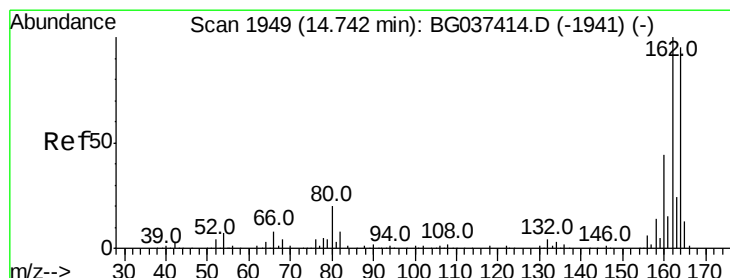
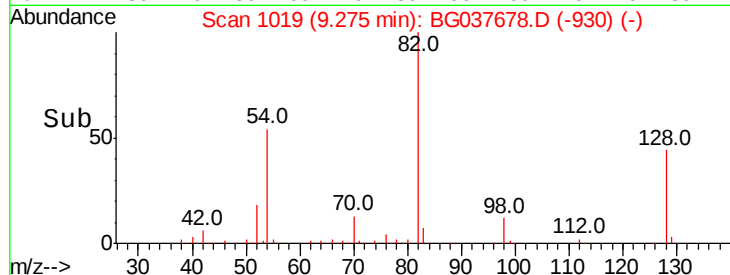
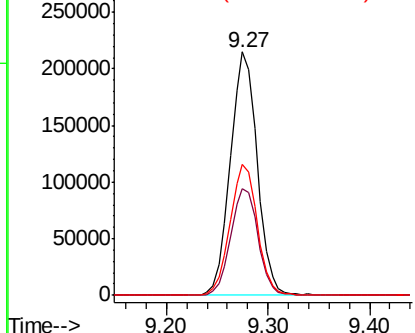


Abundance

Ion 82.00 (81.70 to 82.70): BGC

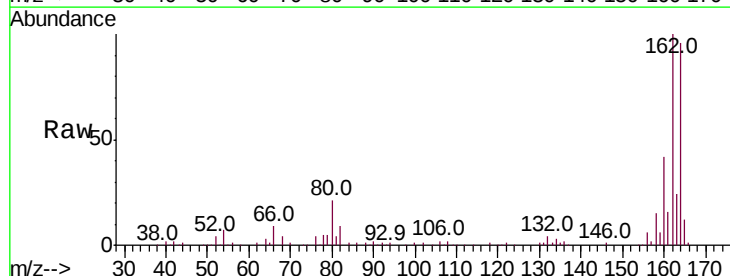
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037678.D
Acq: 31 Oct 2018 7:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.3	121.9
160	44.2	36.3	54.5

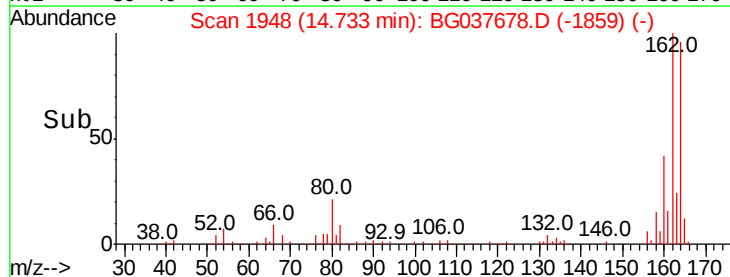
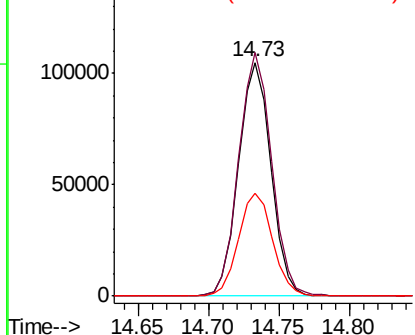


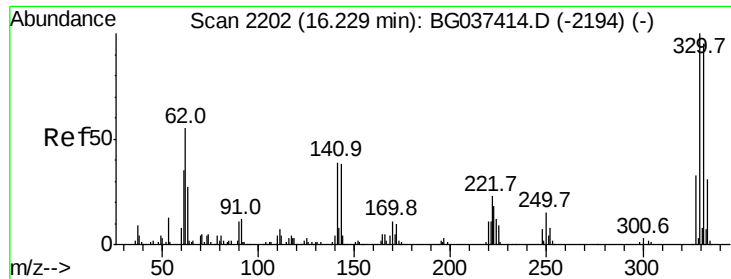
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

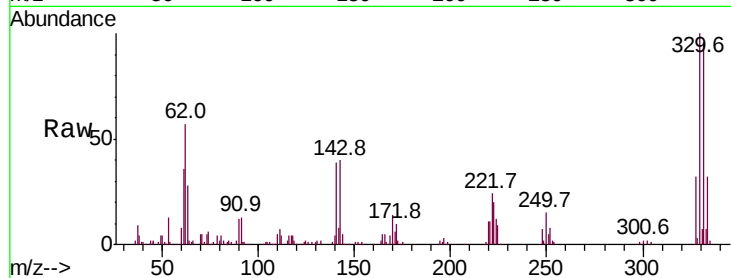




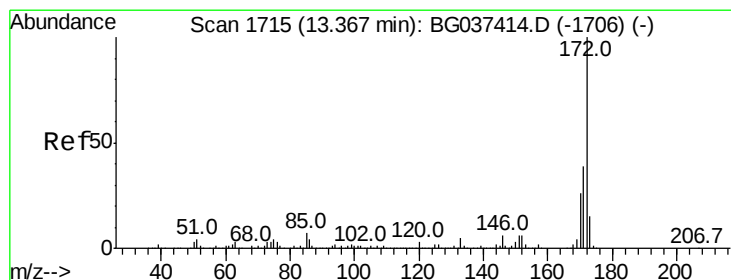
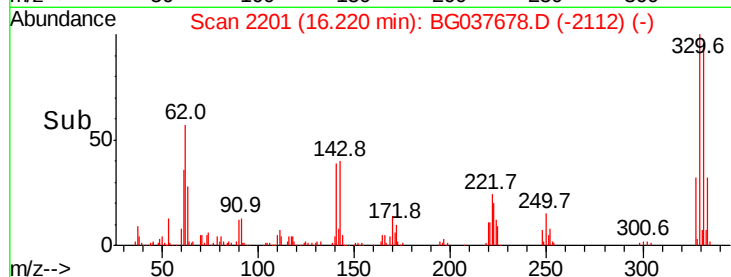
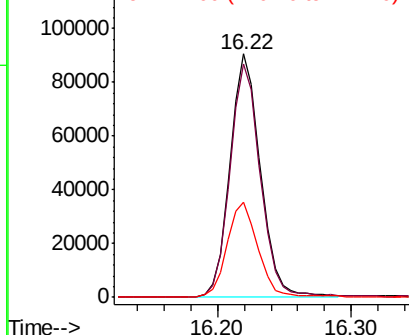
#42
 2,4,6-Tribromophenol
 Concen: 78.242 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 143944
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.4 117.6
 141 40.3 32.2 48.2

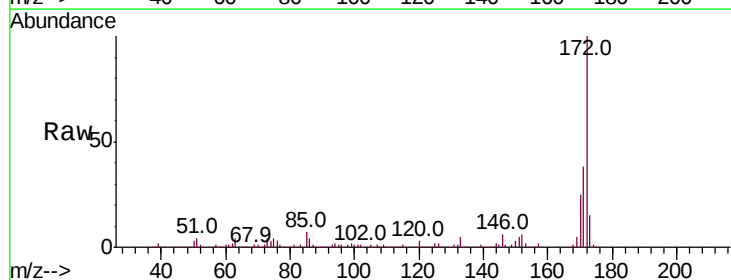


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

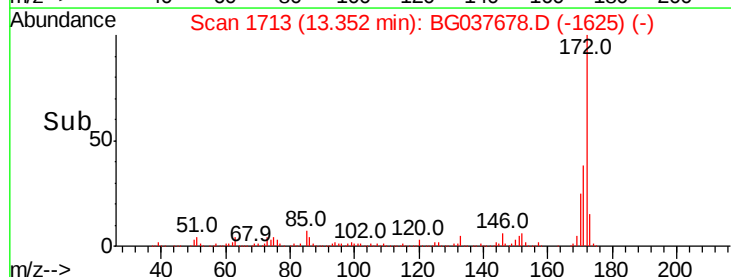
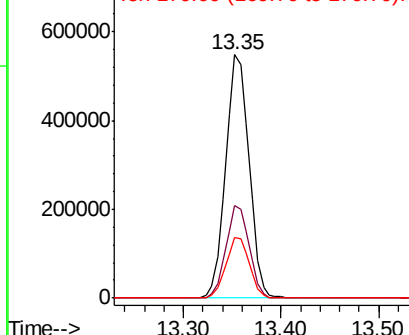


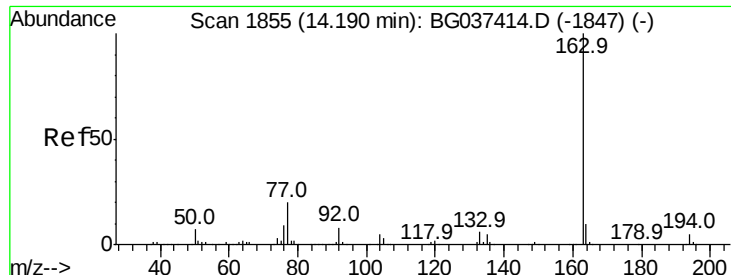
#45
 2-Fluorobiphenyl
 Concen: 81.671 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.02 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

Tgt Ion:172 Resp: 913548
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.0 46.4
 170 24.9 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





#50

Dimethylphthalate

Concen: 2.150 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

Instrument :

BNA_G

ClientSampled :

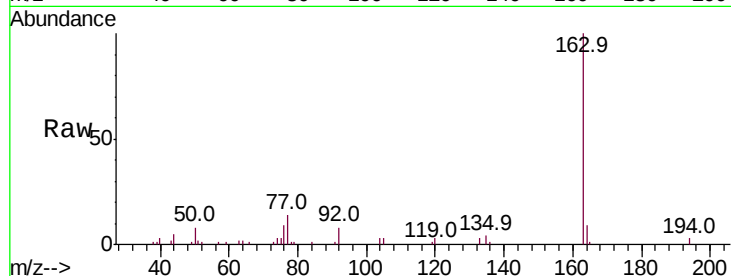
Tot Ion:163 Resp: 28049

Ion Ratio Lower Upper

163 100

194 3.5 3.5 5.3#

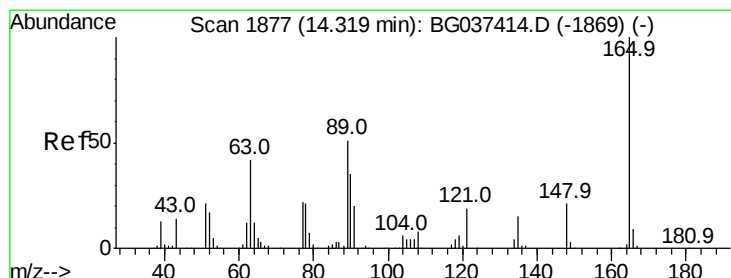
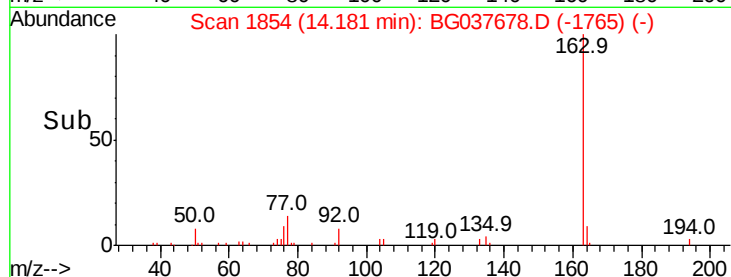
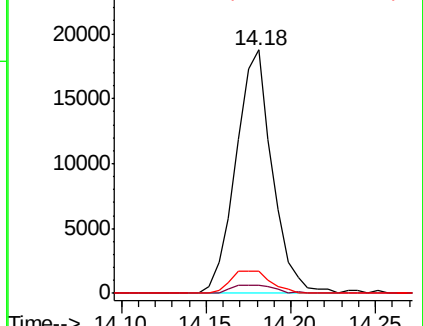
164 9.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.616 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.41 min

Lab File: BG037678.D

Acq: 31 Oct 2018 7:40

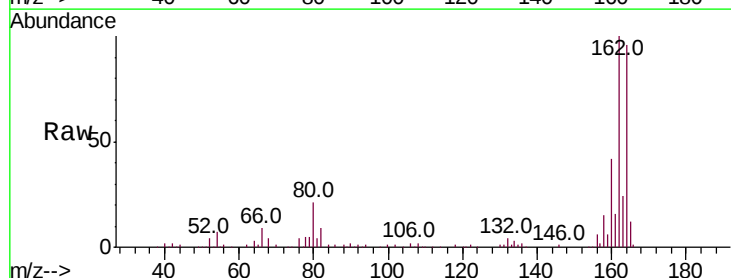
Tgt Ion:165 Resp: 21985

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

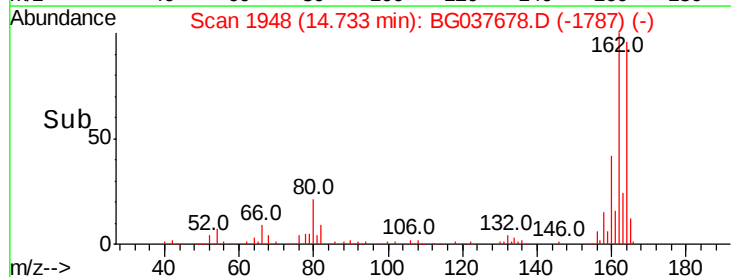
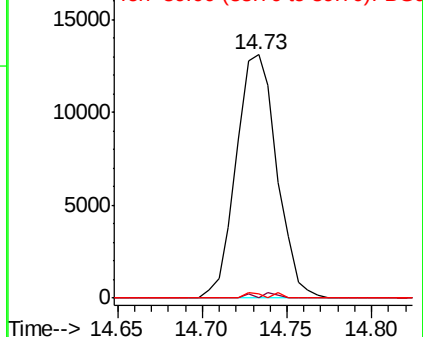
89 1.5 45.8 68.6#

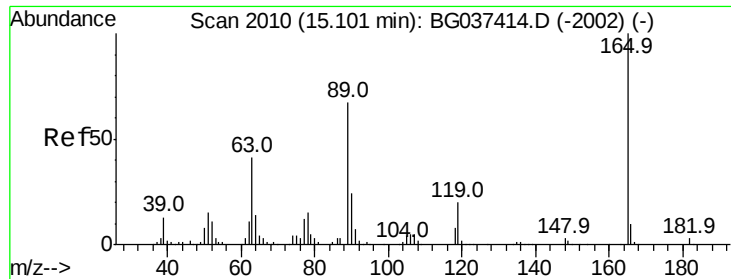


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

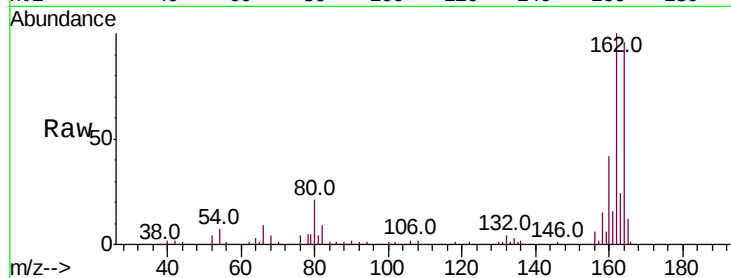




#57
 2,4-Dinitrotoluene
 Concen: 5.802 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.5	57.2	85.8#
182	0.0	2.6	4.0#

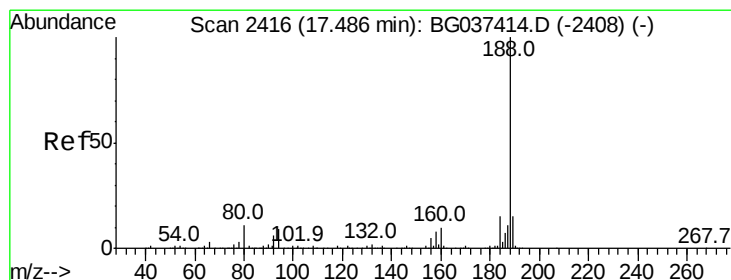
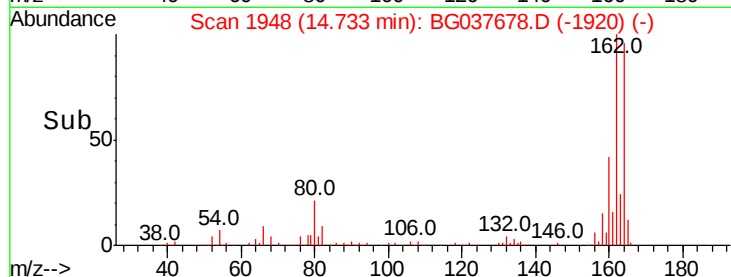
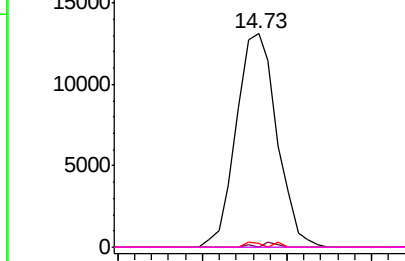


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

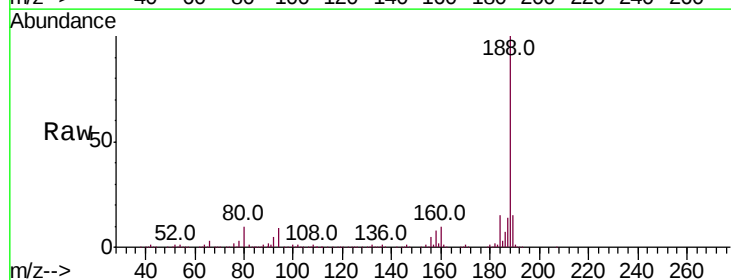
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

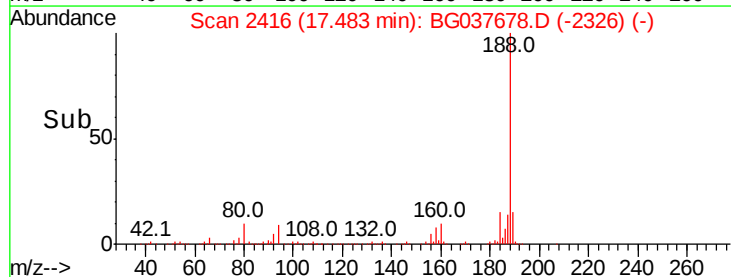
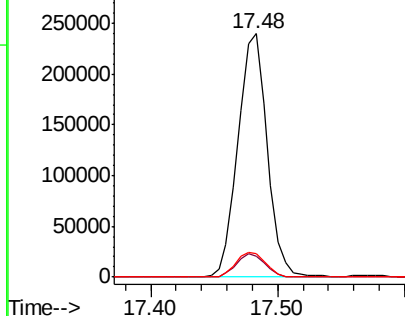
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.5	7.7	11.5

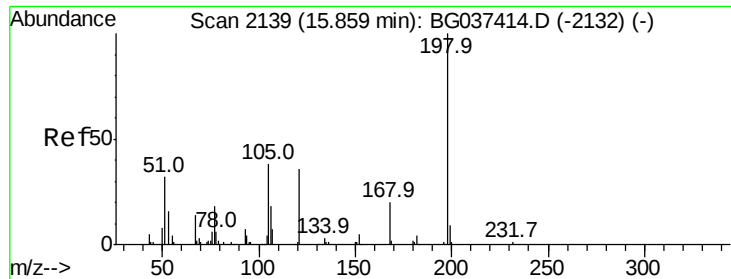


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

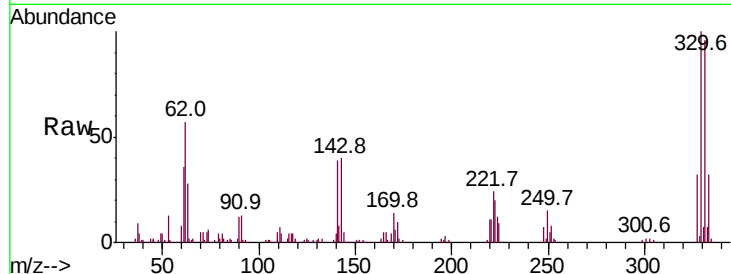




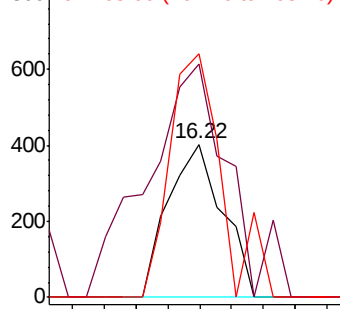
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.703 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.36 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :

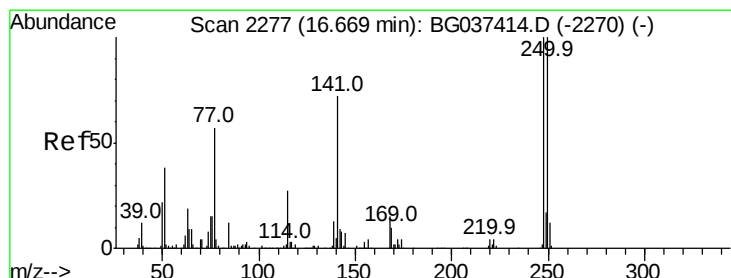
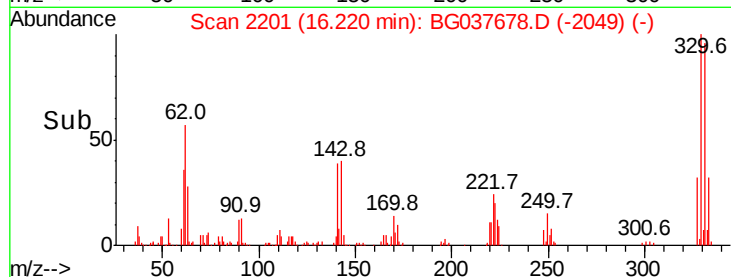
Tot Ion:198 Resp: 479
 Ion Ratio Lower Upper
 198 100
 51 35.6 22.7 62.7
 105 37.1 19.7 59.7



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



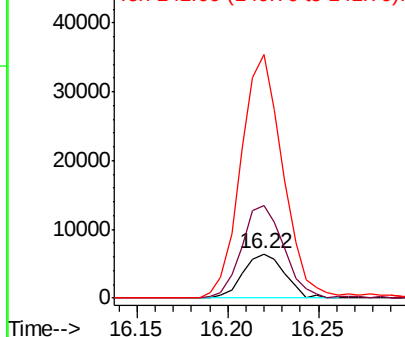
Time-->



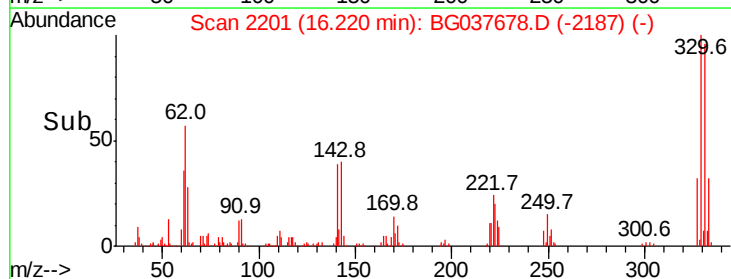
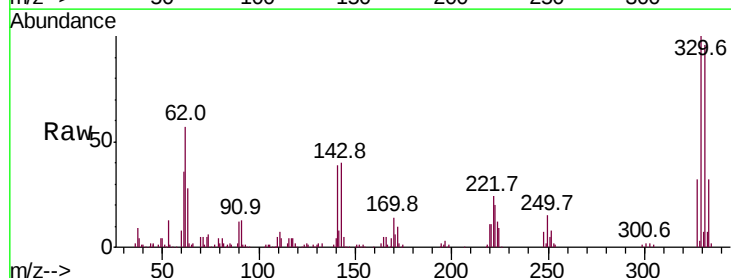
#67
 4-Bromophenyl-phenylether
 Concen: 2.419 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

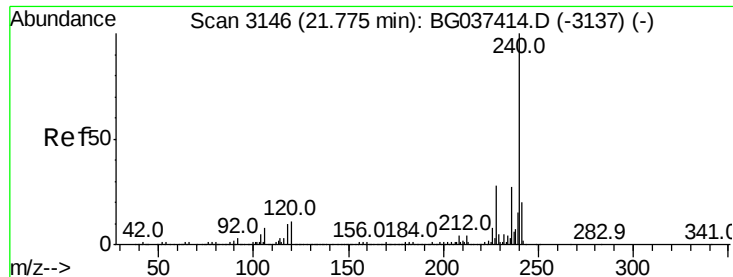
Tgt Ion:248 Resp: 10178
 Ion Ratio Lower Upper
 248 100
 250 219.9 77.0 115.6#
 141 442.9 55.5 83.3#

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



Time-->

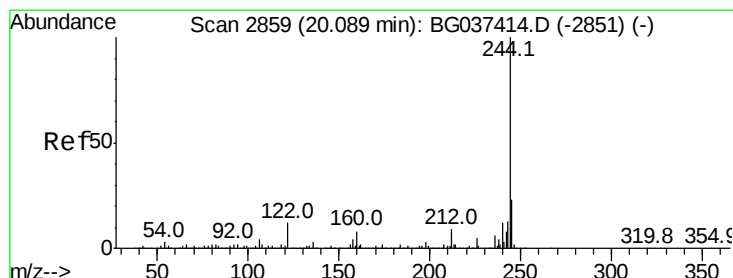
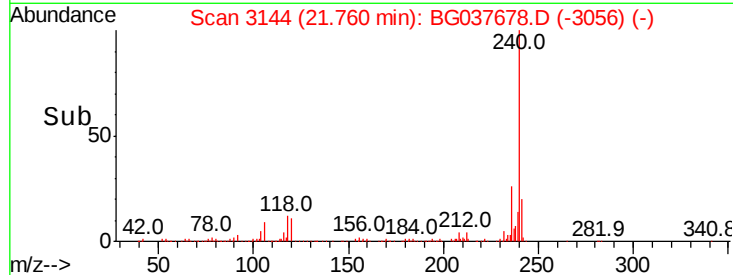
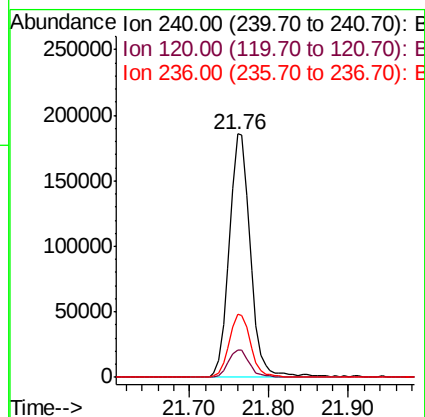
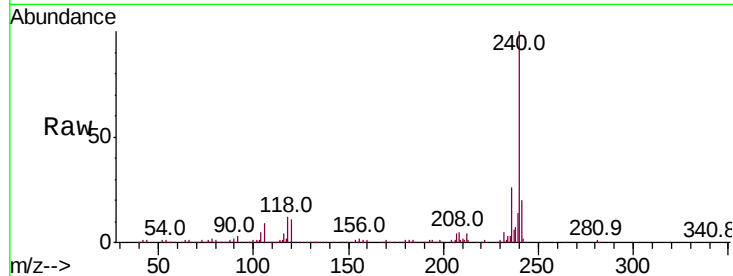




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.02 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

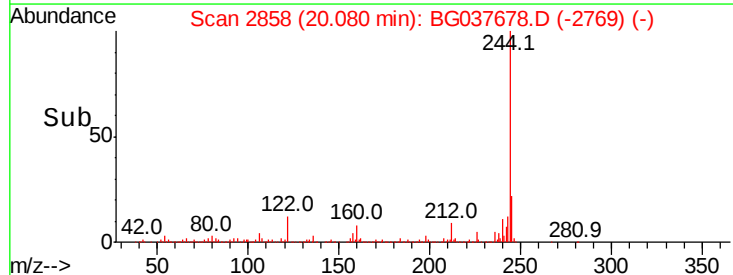
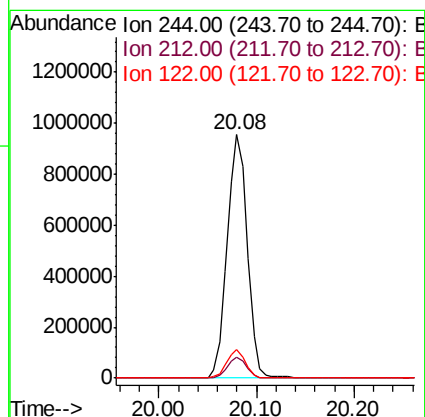
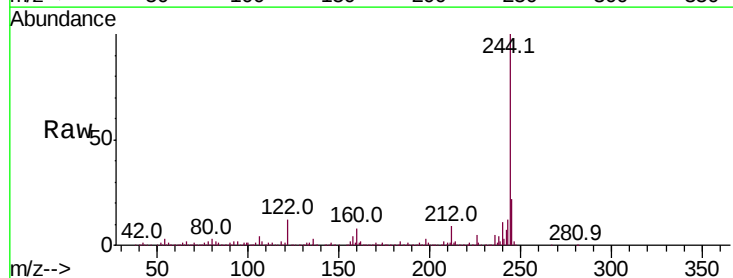
Instrument :
 BNA_G
 ClientSampleId :

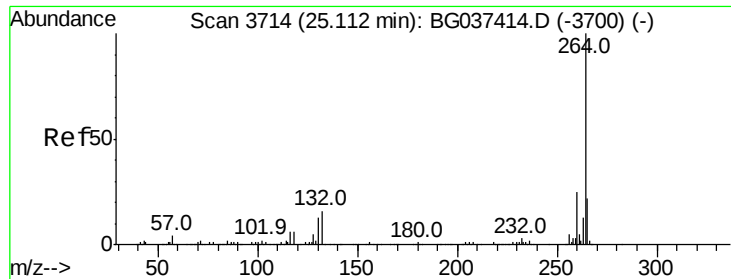
Tot Ion:240 Resp: 343558
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.1 12.1
 236 26.0 21.4 32.0



#79
 Terphenyl-d14
 Concen: 84.969 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

Tgt Ion:244 Resp: 1366160
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.5 9.7
 122 11.7 9.0 13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3712
 Delta R.T. -0.02 min
 Lab File: BG037678.D
 Acq: 31 Oct 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	20.4	17.9	26.9

