

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037380.D
 Acq On : 17 Oct 2018 7:36
 Operator : JU/SJ
 Sample : J5509-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 08:37:26 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	67602	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	286475	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	193207	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	482345	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	450652	20.00	ng	-0.02
87) Perylene-d12	25.12	264	445395	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	417370	108.66	ng	0.00
7) Phenol-d6	7.25	99	538121	92.30	ng	0.00
23) Nitrobenzene-d5	9.29	82	365711	83.93	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	198566	104.79	ng	-0.02
45) 2-Fluorobiphenyl	13.37	172	906807	70.48	ng	-0.02
79) Terphenyl-d14	20.09	244	1444299	67.30	ng	-0.02

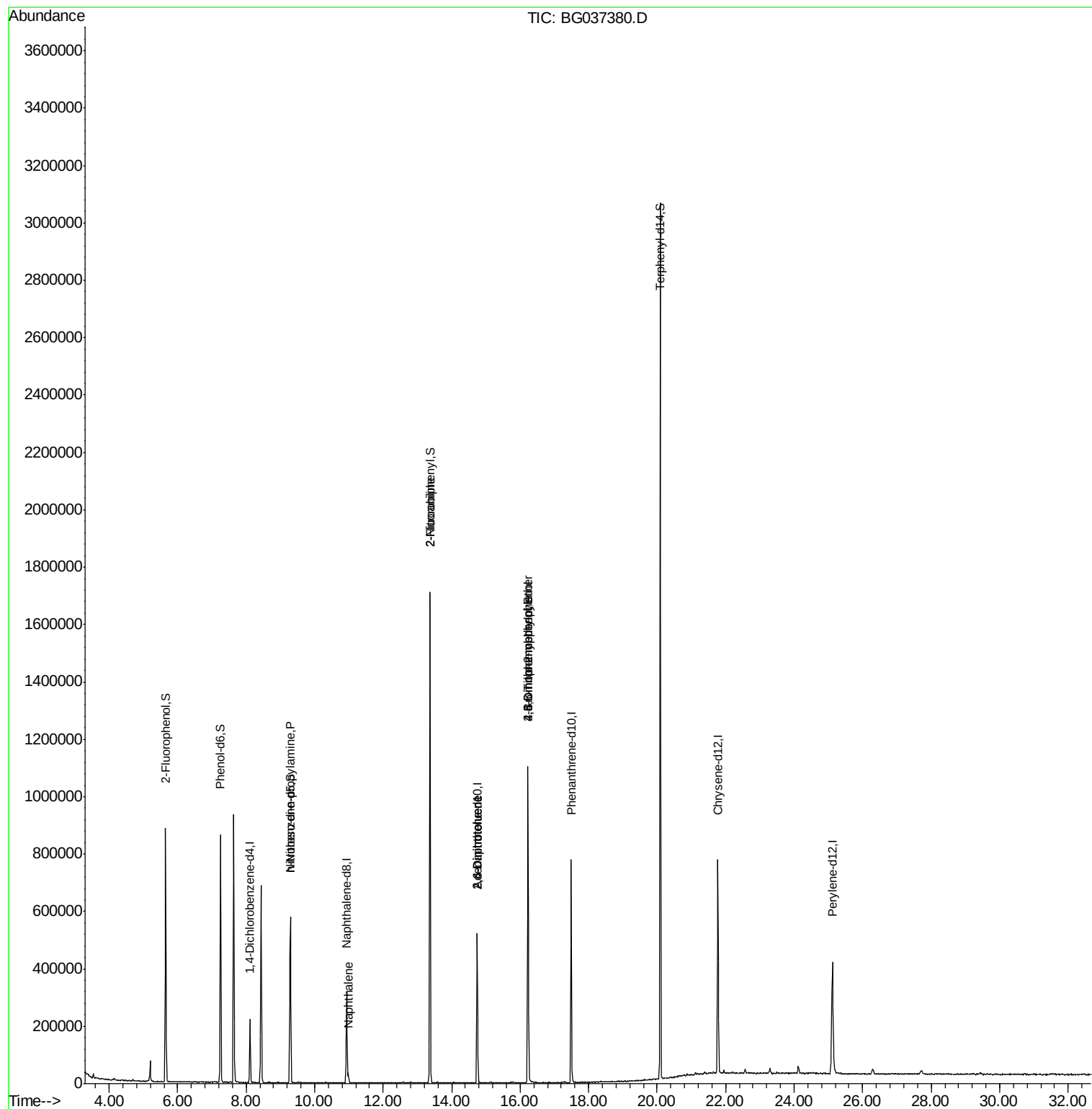
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.28	70	47254	10.705	ng	# 69
31) Naphthalene	10.99	128	31814	2.285	ng	# 97
48) 2-Nitroaniline	13.37	65	1442	6.145	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	24250	12.209	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	24250	11.107	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	548	6.264	ng	# 71
67) 4-Bromophenyl-phenylether	16.23	248	14790	2.841	ng	# 1

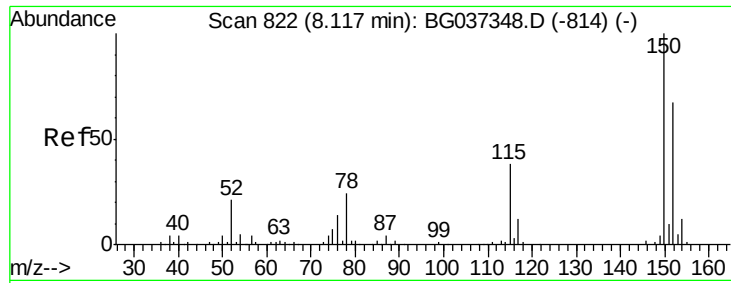
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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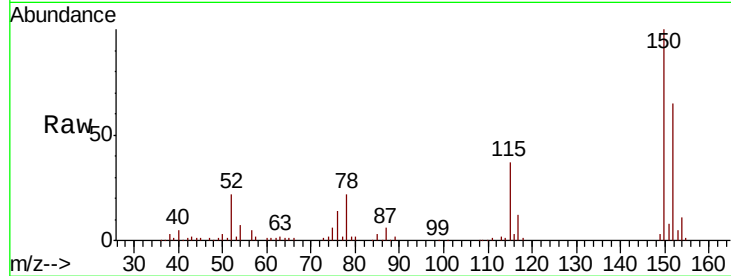


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.02 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.0	189.0
115	56.6	45.5	68.3

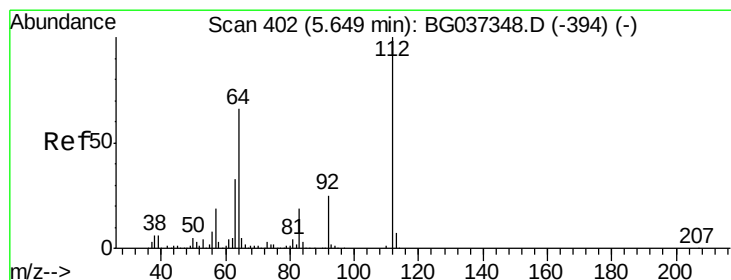
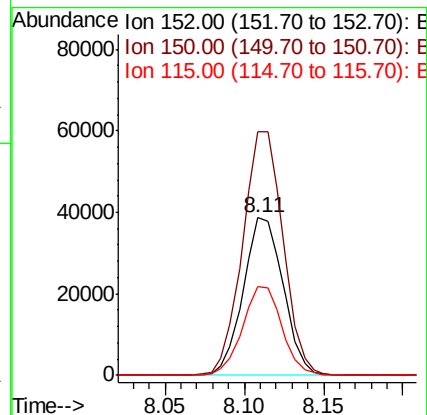
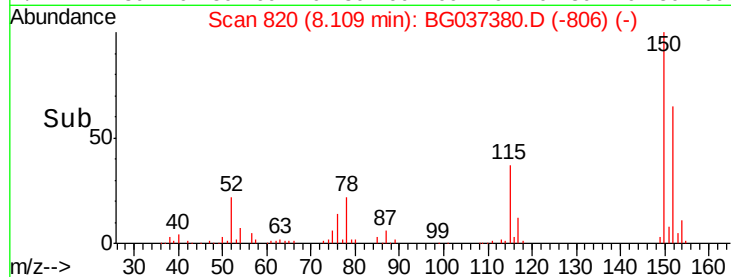


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

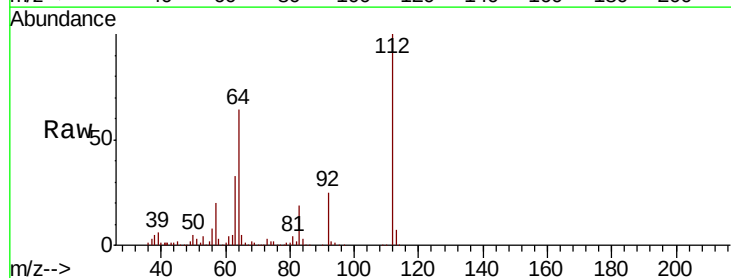
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.655 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	53.1	79.7
63	33.3	27.3	40.9

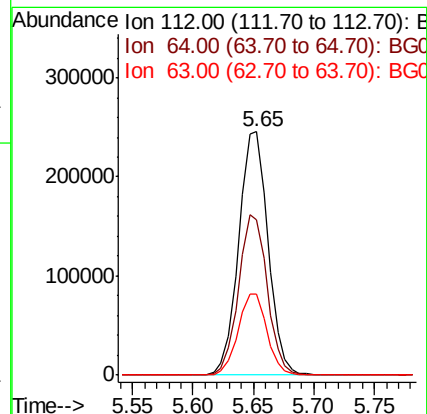
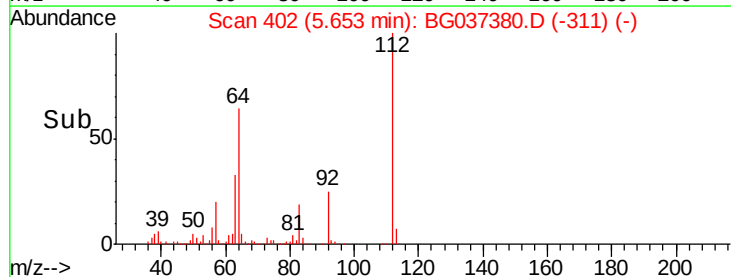


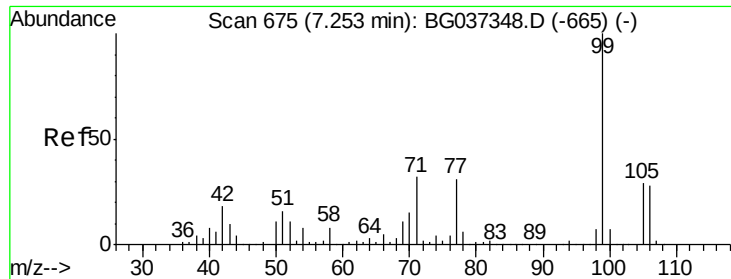
Abundance

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: 92.296 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037380.D

Acq: 17 Oct 2018 7:36

Instrument :

BNA_G

ClientSampleId :

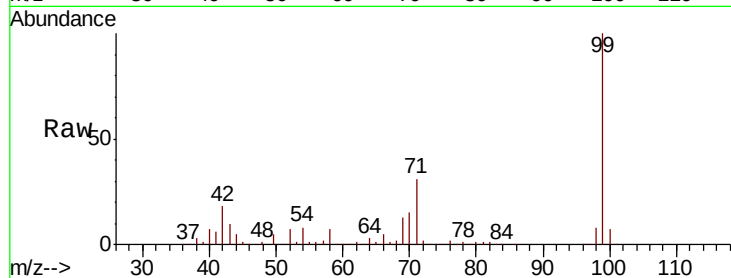
Tot Ion: 99 Resp: 538121

Ion Ratio Lower Upper

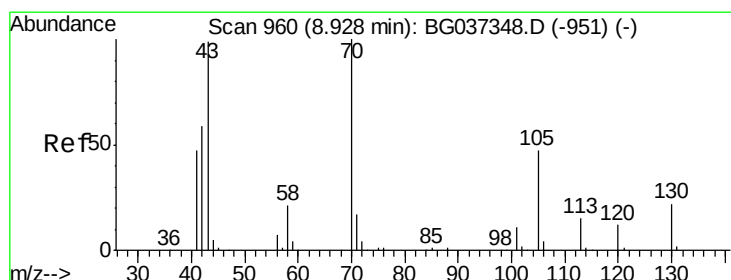
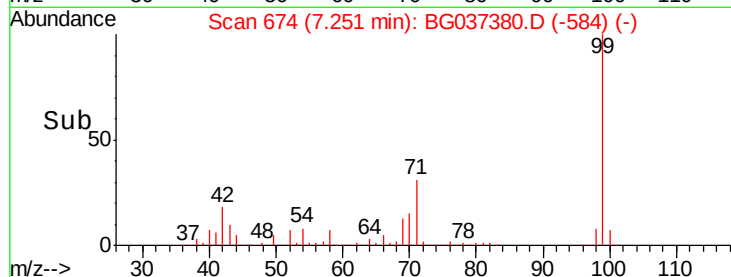
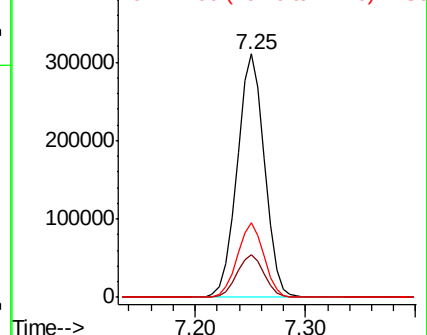
99 100

42 17.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.705 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG037380.D

Acq: 17 Oct 2018 7:36

Tgt Ion: 70 Resp: 47254

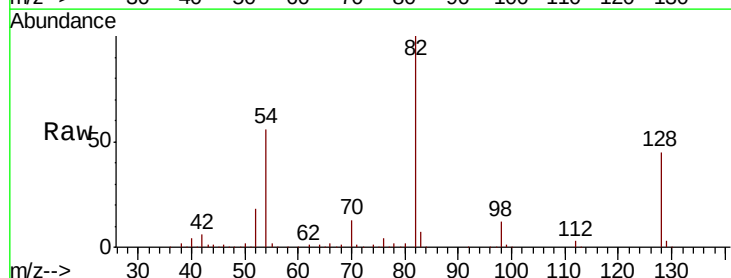
Ion Ratio Lower Upper

70 100

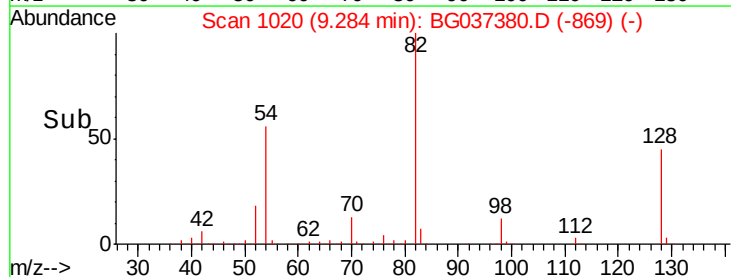
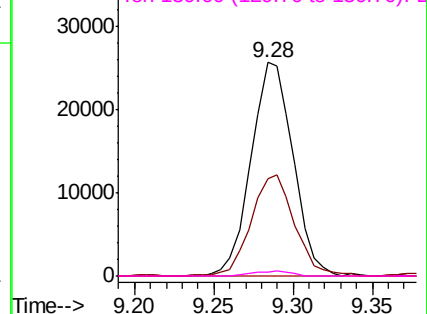
42 45.6 53.9 80.9#

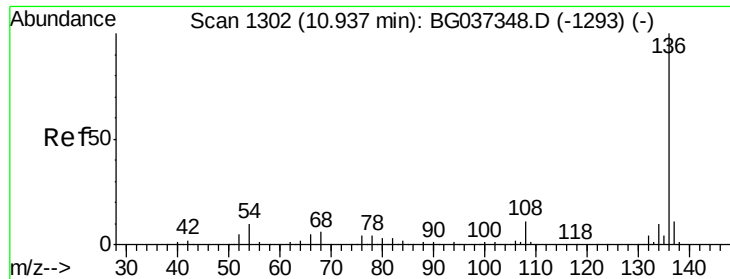
101 0.0 8.2 12.2#

130 1.8 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

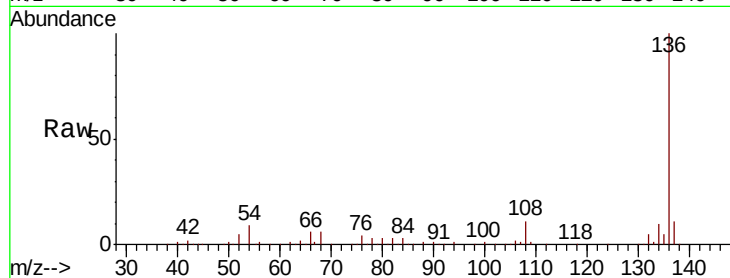




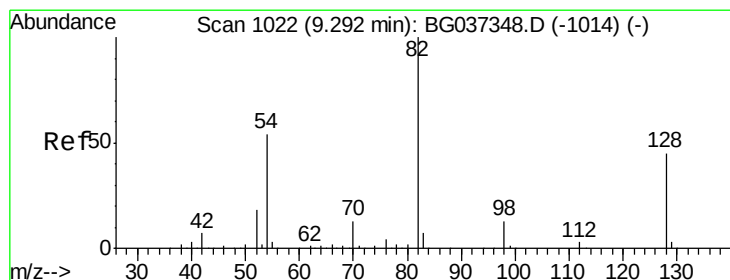
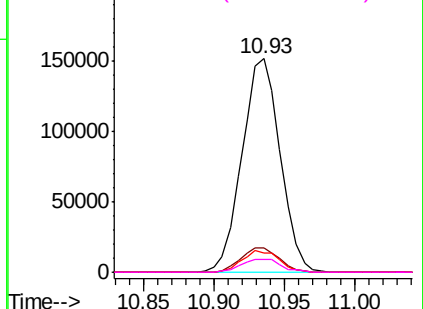
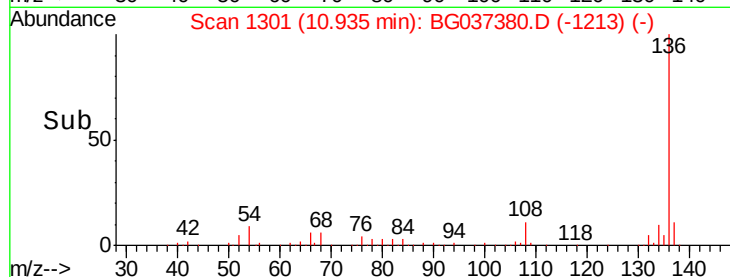
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	286475
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.6 14.4
54	9.3	7.9 11.9
68	6.2	4.8 7.2

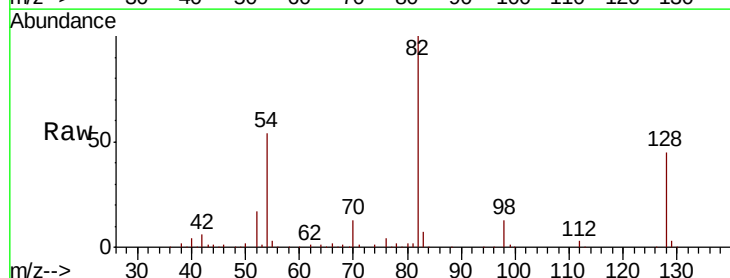


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

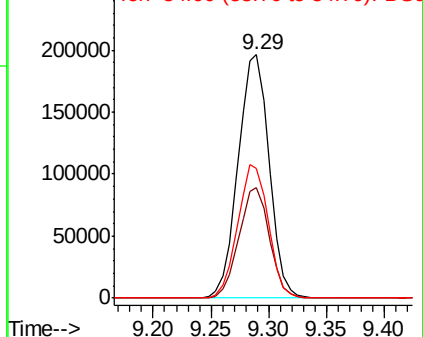
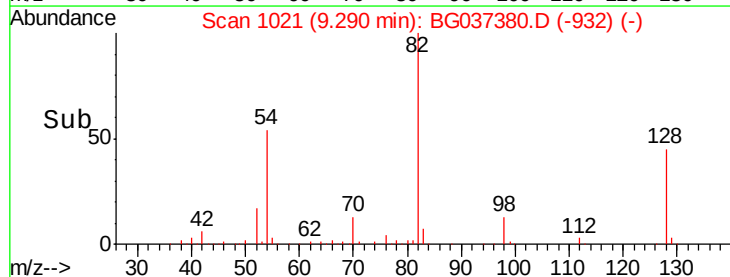


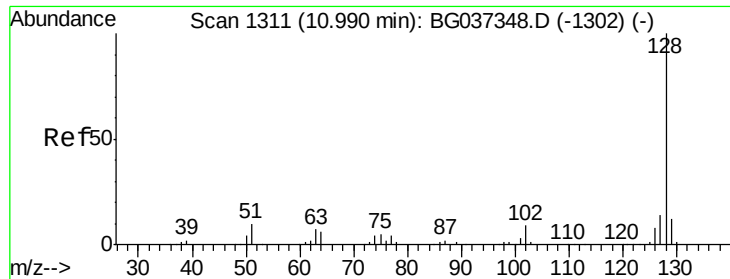
#23
Nitrobenzene-d5
Concen: 83.929 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Tgt Ion: 82	Resp:	365711
Ion Ratio	Lower	Upper
82	100	
128	45.2	34.6 51.8
54	53.5	45.3 67.9



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

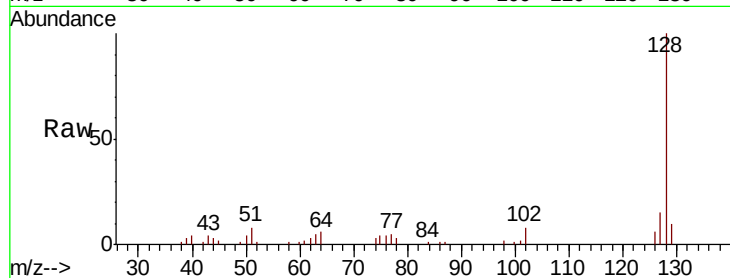




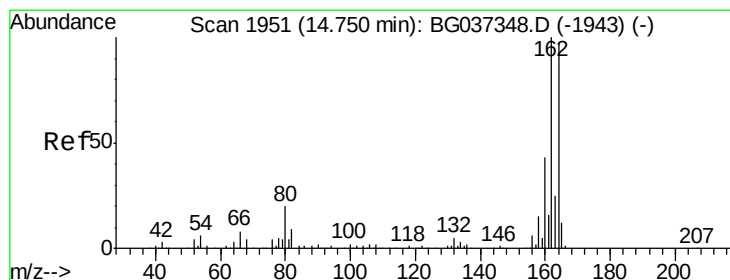
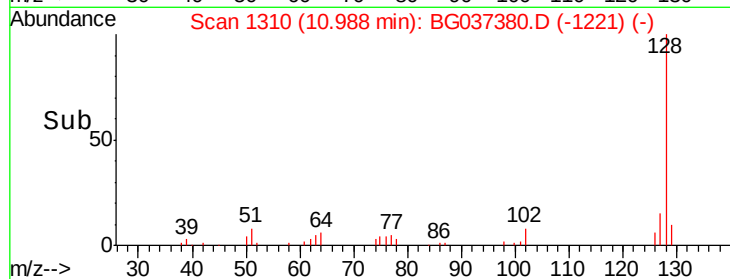
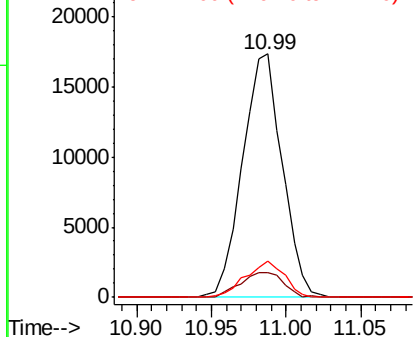
#31
Naphthalene
Concen: 2.285 ng
RT: 10.99 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 31814
Ion Ratio Lower Upper
128 100
129 10.0 9.0 13.6
127 14.7 11.1 16.7

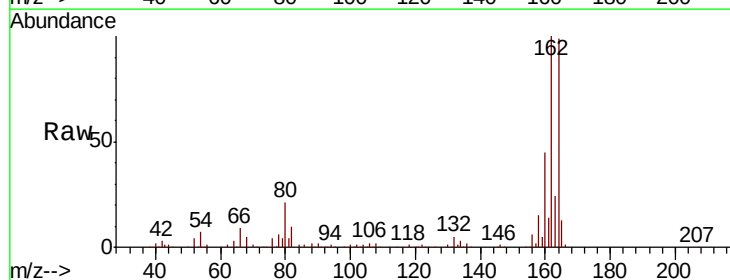


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

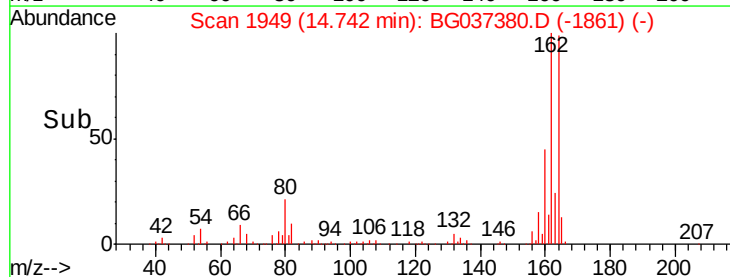
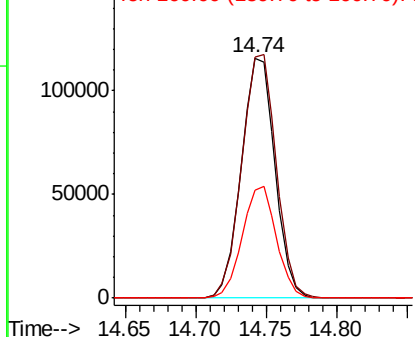


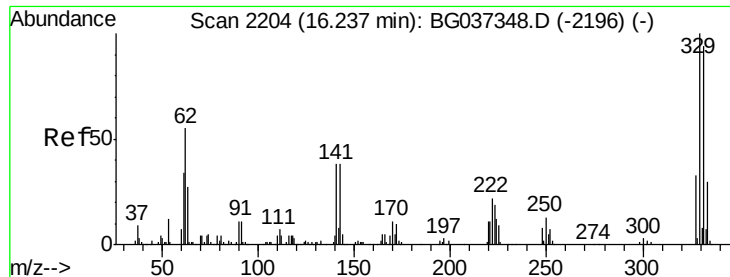
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.02 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Tgt Ion:164 Resp: 193207
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 45.1 36.3 54.5



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: 104.794 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG037380.D

Acq: 17 Oct 2018 7:36

Instrument :

BNA_G

ClientSampleId :

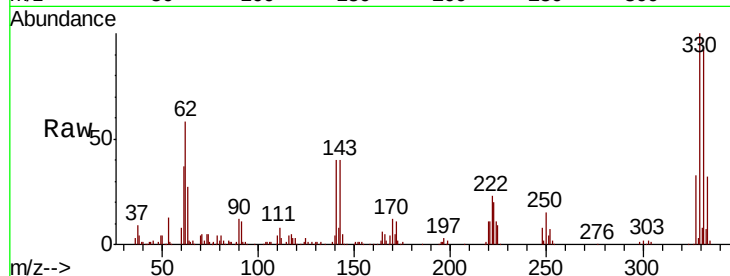
Tot Ion:330 Resp: 198566

Ion Ratio Lower Upper

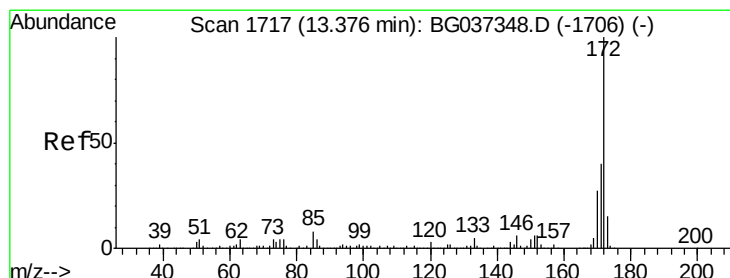
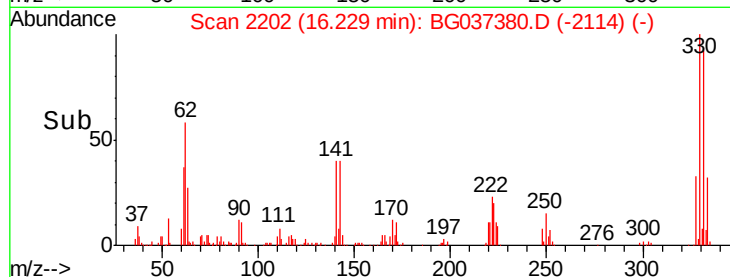
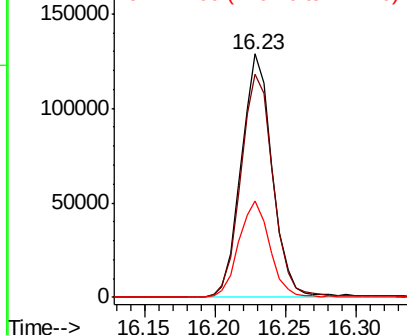
330 100

332 96.0 78.4 117.6

141 39.8 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: 70.485 ng

RT: 13.37 min Scan# 1715

Delta R.T. -0.02 min

Lab File: BG037380.D

Acq: 17 Oct 2018 7:36

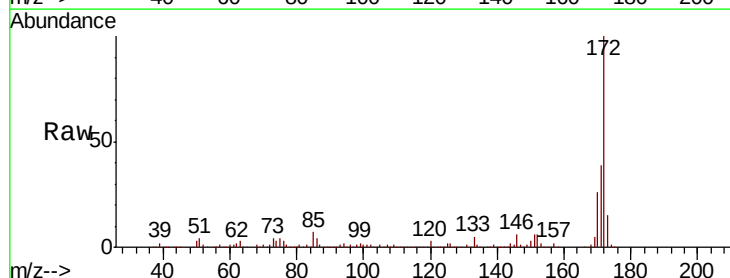
Tgt Ion:172 Resp: 906807

Ion Ratio Lower Upper

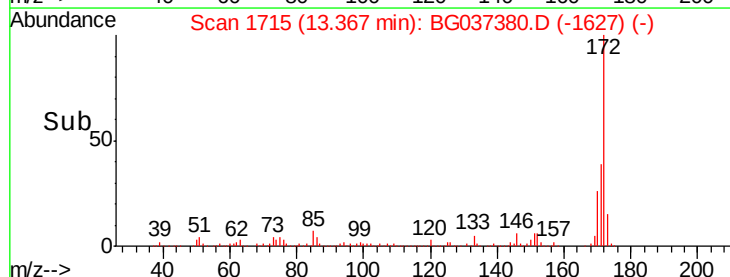
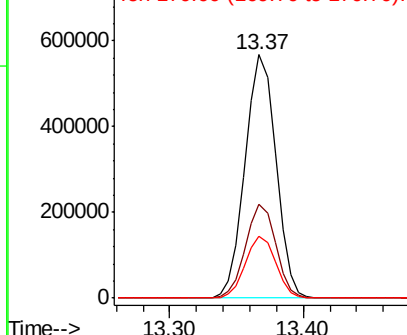
172 100

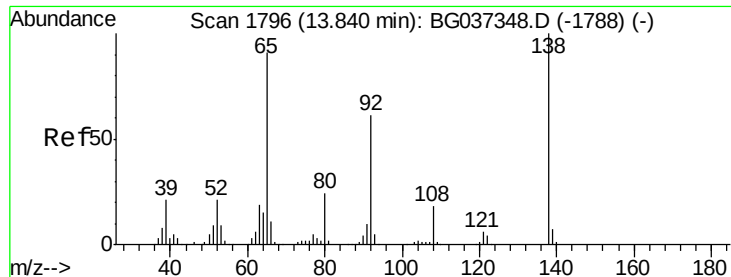
171 38.5 31.0 46.4

170 25.5 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

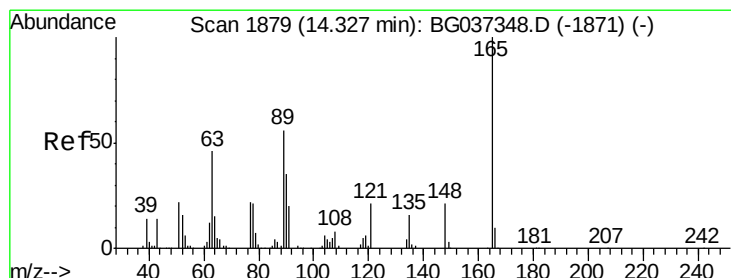
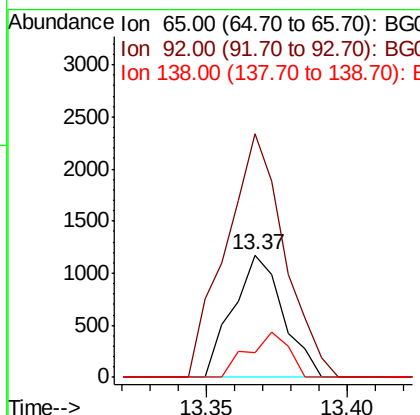
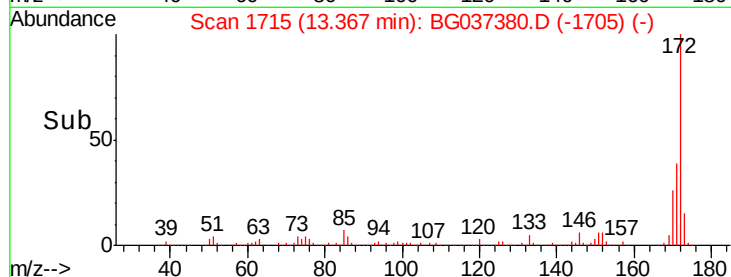
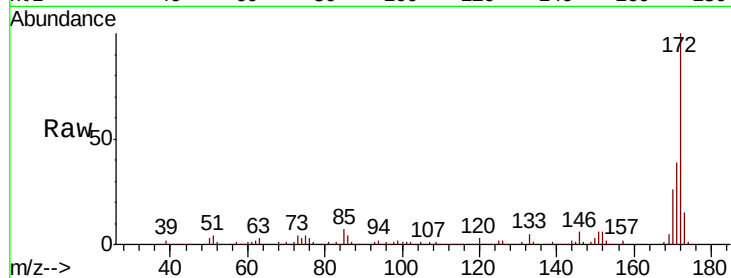




#48
 2-Nitroaniline
 Concen: 6.145 ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.47 min
 Lab File: BG037380.D
 Acq: 17 Oct 2018 7:36

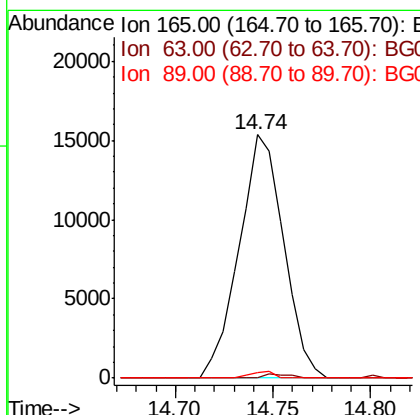
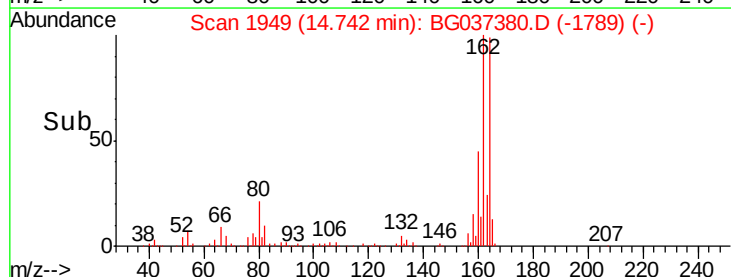
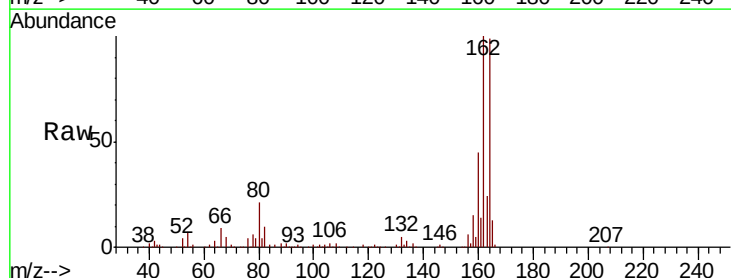
Instrument :
 BNA_G
 ClientSampleId :

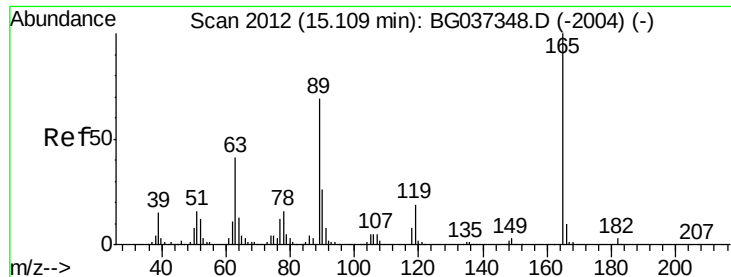
Tot Ion	Ratio	Lower	Upper
65	100		
92	199.2	53.2	79.8#
138	20.2	79.3	118.9#



#51
 2,6-Dinitrotoluene
 Concen: 12.209 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. 0.41 min
 Lab File: BG037380.D
 Acq: 17 Oct 2018 7:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.2	45.8	68.6#

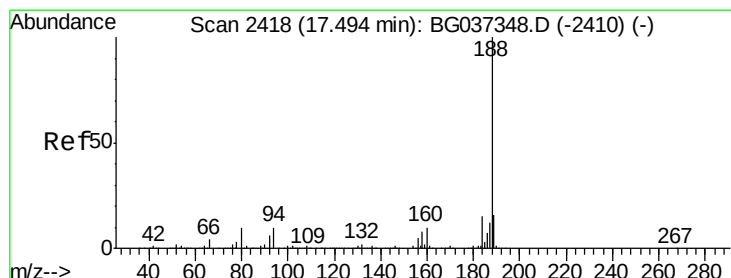
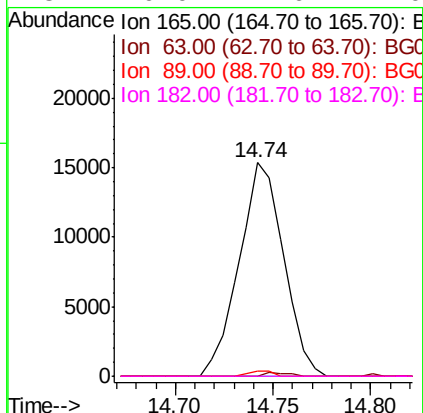
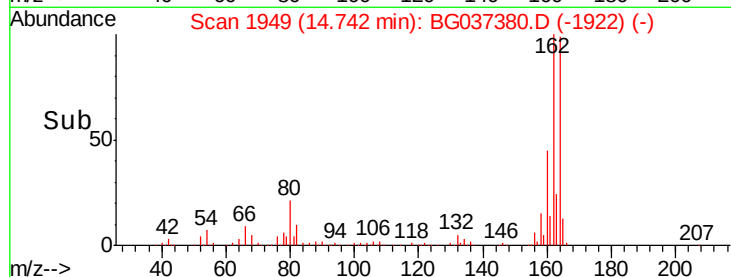
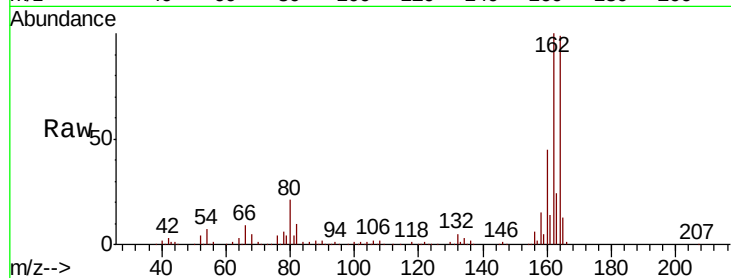




#57
 2,4-Dinitrotoluene
 Concen: 11.107 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.37 min
 Lab File: BG037380.D
 Acq: 17 Oct 2018 7:36

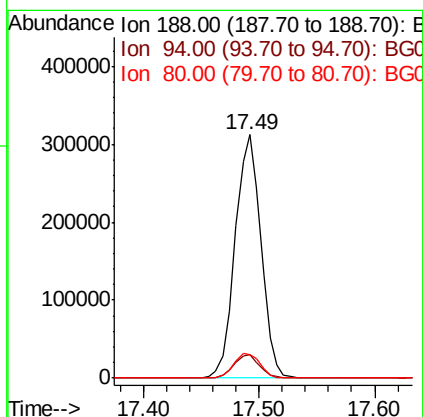
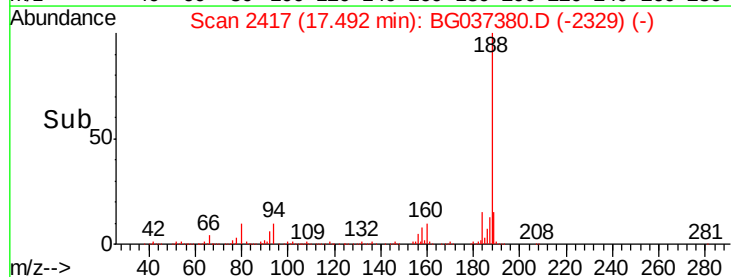
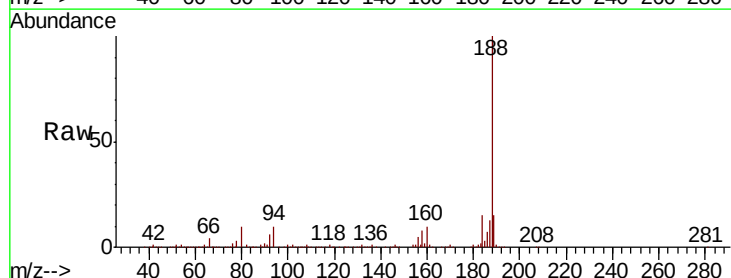
Instrument :
 BNA_G
 ClientSampleId :

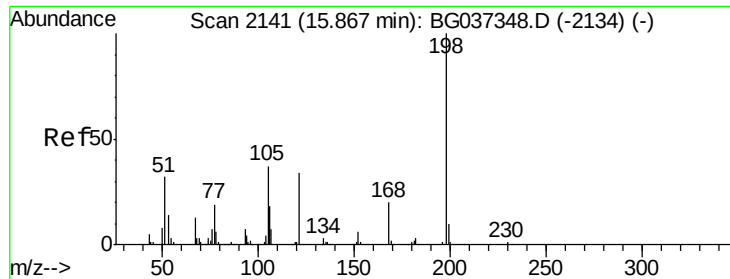
Tot Ion:165 Resp: 24250
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 2.2 57.2 85.8#
 182 0.0 2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2417
 Delta R.T. -0.02 min
 Lab File: BG037380.D
 Acq: 17 Oct 2018 7:36

Tgt Ion:188 Resp: 482345
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.2 10.8
 80 9.5 7.7 11.5

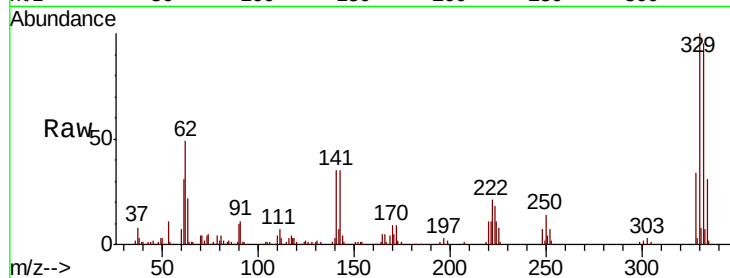




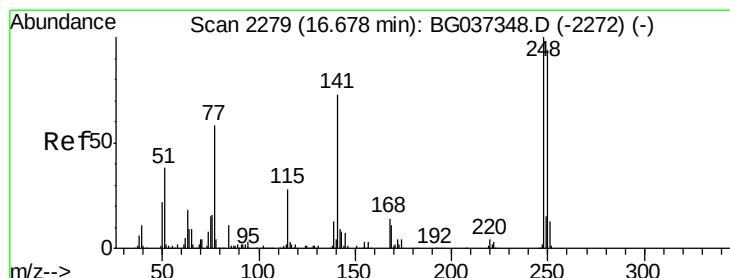
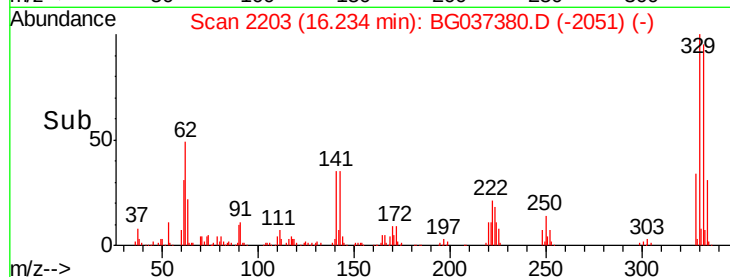
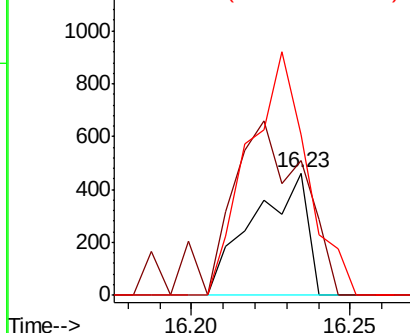
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.264 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG037380.D
 Acq: 17 Oct 2018 7:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 548
 Ion Ratio Lower Upper
 198 100
 51 21.1 22.7 62.7#
 105 25.1 19.7 59.7

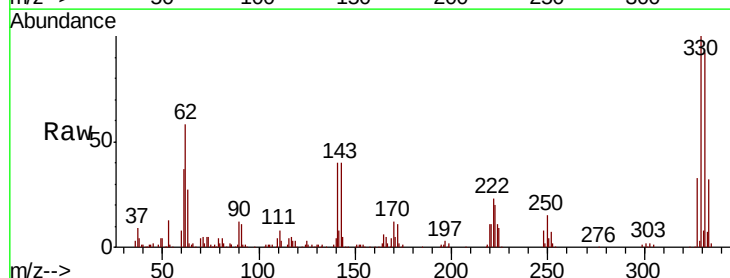


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

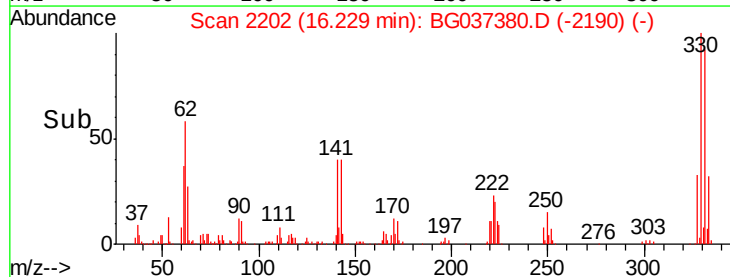
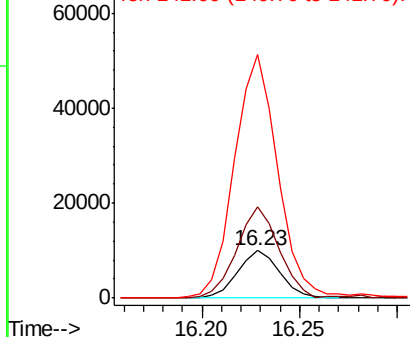


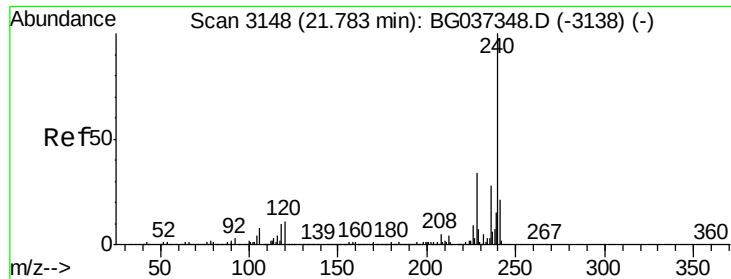
#67
 4-Bromophenyl-phenylether
 Concen: 2.841 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.46 min
 Lab File: BG037380.D
 Acq: 17 Oct 2018 7:36

Tgt Ion:248 Resp: 14790
 Ion Ratio Lower Upper
 248 100
 250 192.7 77.0 115.6#
 141 398.8 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

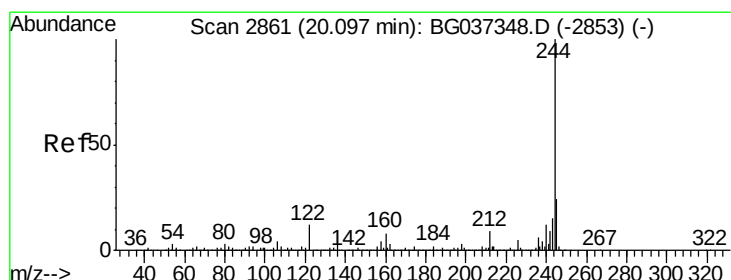
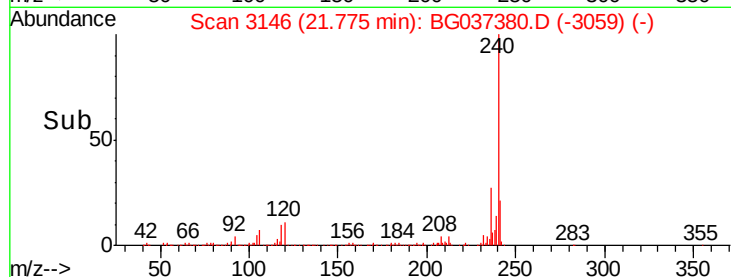
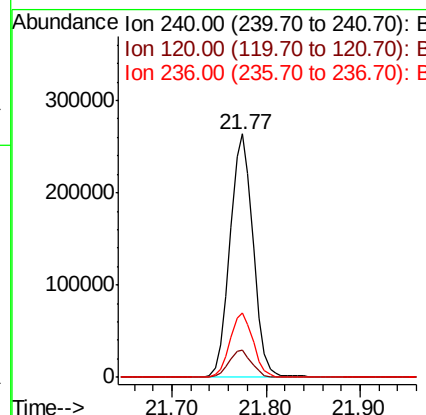
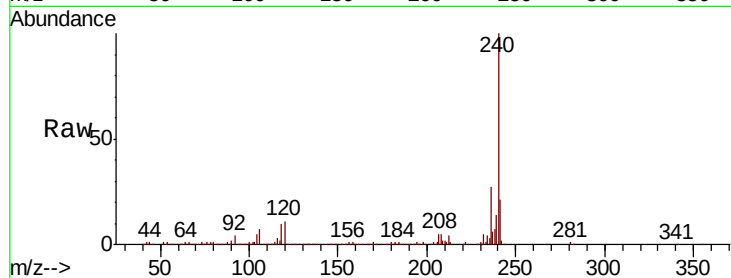




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

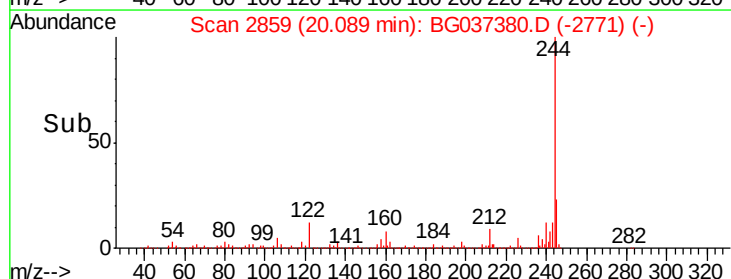
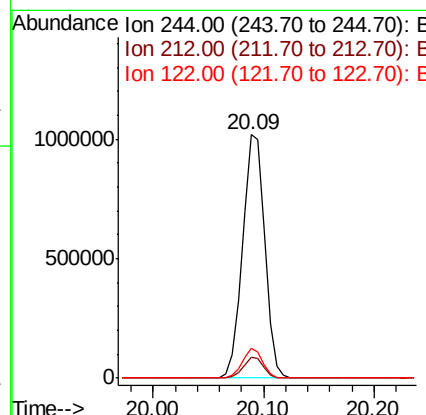
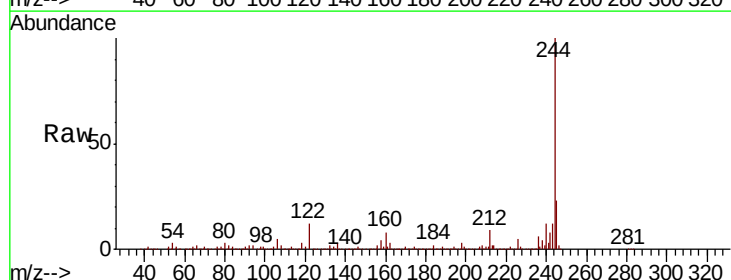
Instrument :
BNA_G
ClientSampleId :

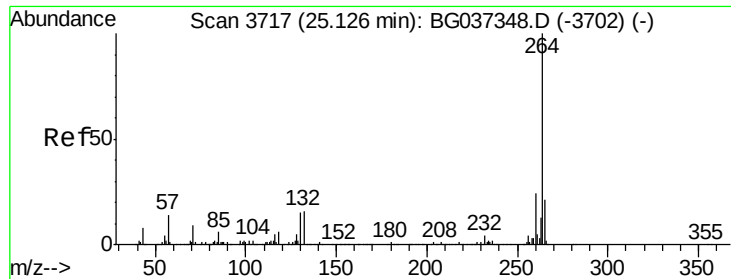
Tot Ion:240 Resp: 450652
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 26.7 21.4 32.0



#79
Terphenyl-d14
Concen: 67.295 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.02 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Tgt Ion:244 Resp: 1444299
Ion Ratio Lower Upper
244 100
212 8.5 6.5 9.7
122 12.2 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.12 min Scan# 3715
Delta R.T. -0.03 min
Lab File: BG037380.D
Acq: 17 Oct 2018 7:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.8	17.9	26.9

