

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037320.D
 Acq On : 13 Oct 2018 10:40
 Operator : JU/SJ
 Sample : J5383-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:15:18 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

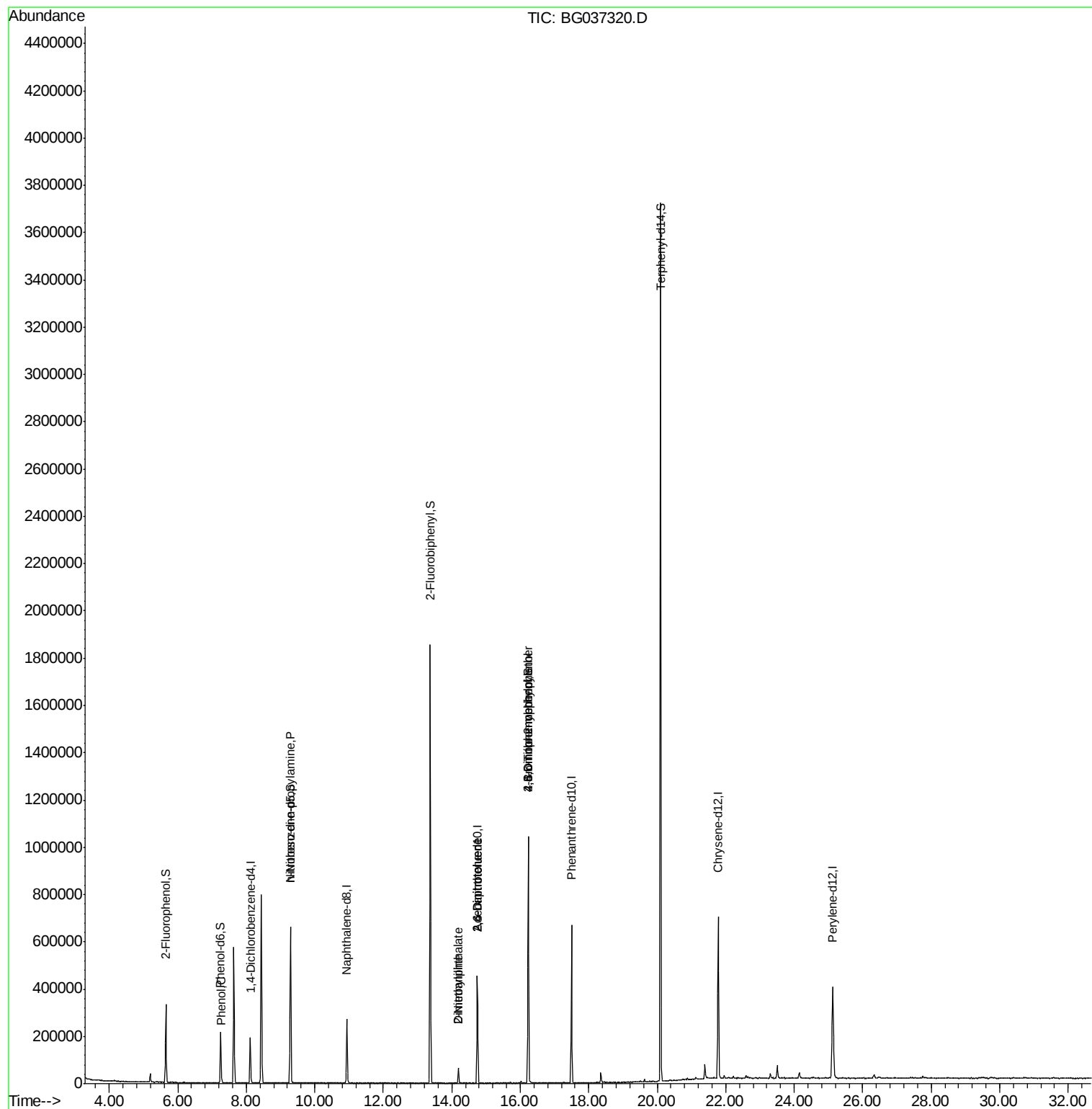
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	56373	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	239976	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	162133	20.00	ng	-0.01
64) Phenanthrene-d10	17.50	188	430213	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	414968	20.00	ng	-0.02
87) Perylene-d12	25.13	264	416842	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	153952	48.06	ng	0.00
7) Phenol-d6	7.25	99	136034	27.98	ng	0.00
23) Nitrobenzene-d5	9.29	82	414628	113.59	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	186209	117.11	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	1020324	94.51	ng	-0.01
79) Terphenyl-d14	20.10	244	1729627	87.52	ng	0.00
Target Compounds						
10) Phenol	7.28	94	11317	2.210	ng	93
19) n-Nitroso-di-n-propylamine	9.29	70	52935	14.381	ng	# 71
48) 2-Nitroaniline	14.20	65	372	5.875	ng	# 1
50) Dimethylphthalate	14.19	163	42297	3.320	ng	# 96
51) 2,6-Dinitrotoluene	14.75	165	21314	12.559	ng	# 26
57) 2,4-Dinitrotoluene	14.75	165	21314	11.381	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.24	198	775	6.450	ng	79
67) 4-Bromophenyl-phenylether	16.24	248	13586	2.926	ng	# 1

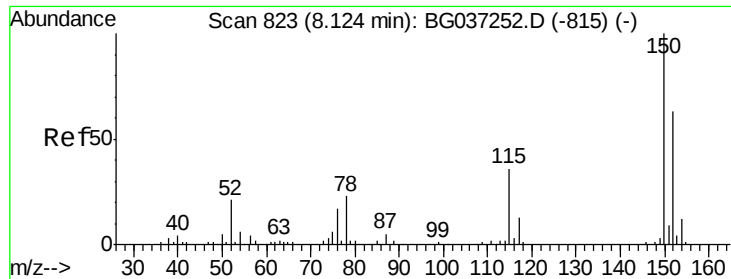
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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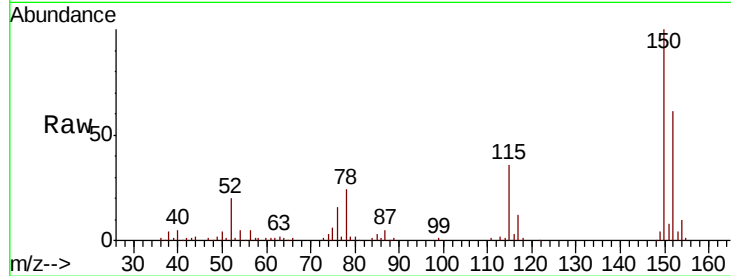


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.12 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BG037320.D
 Acq: 13 Oct 2018 10:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	126.0	189.0
115	59.3	45.5	68.3

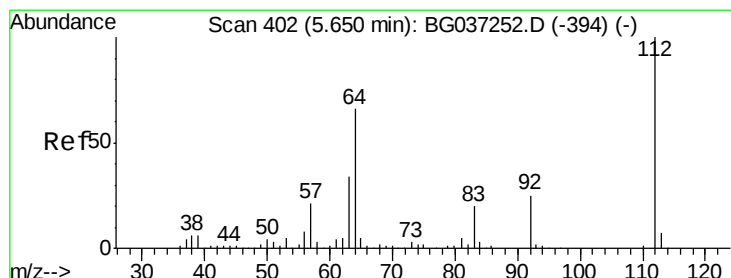
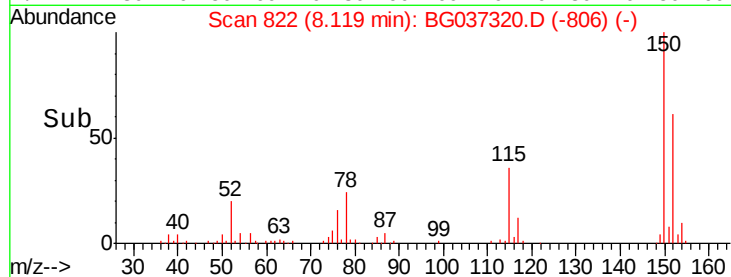
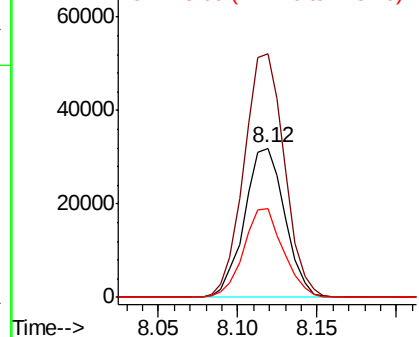


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

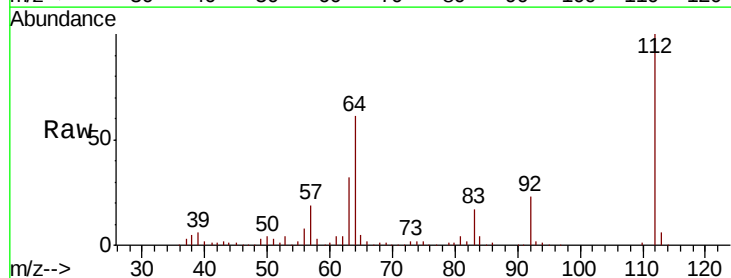
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 48.062 ng
 RT: 5.65 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: BG037320.D
 Acq: 13 Oct 2018 10:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	53.1	79.7
63	32.1	27.3	40.9

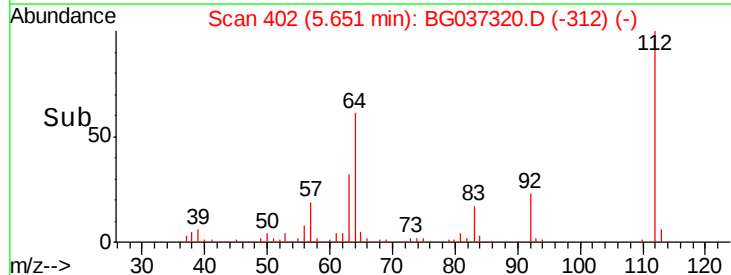
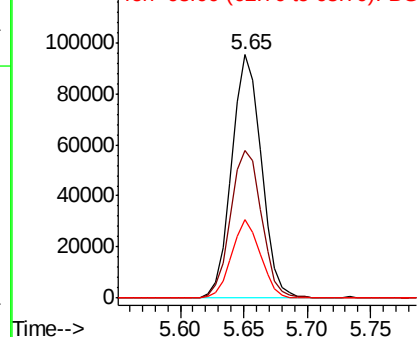


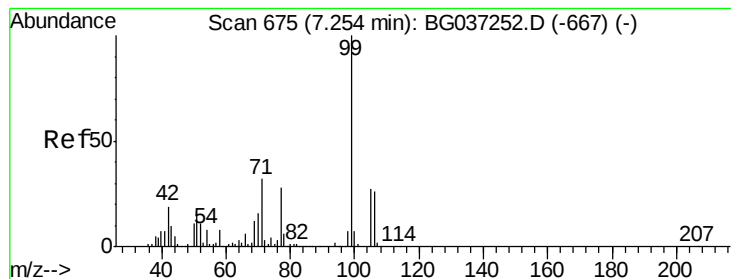
Abundance

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: 27.980 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

Instrument :

BNA_G

ClientSampled :

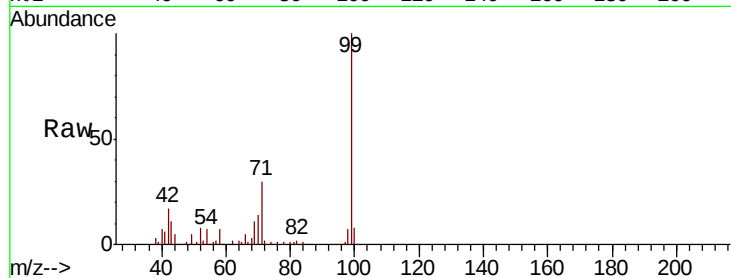
Tot Ion: 99 Resp: 136034

Ion Ratio Lower Upper

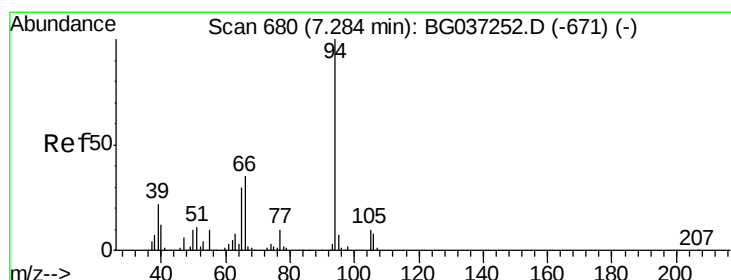
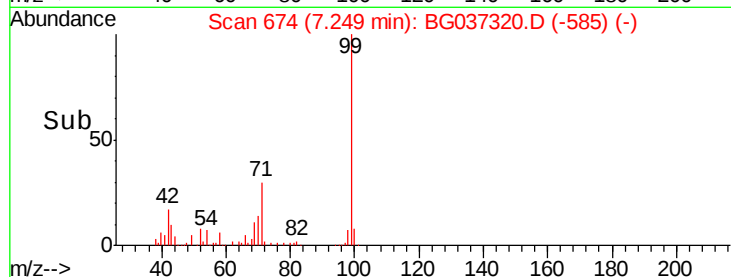
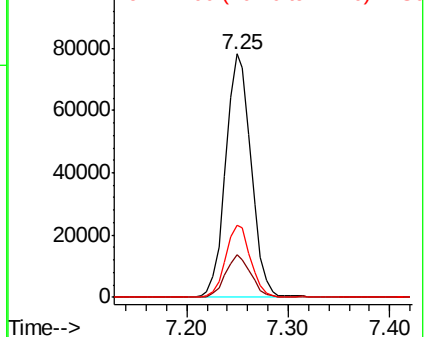
99 100

42 17.3 15.0 22.4

71 29.9 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: 2.210 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

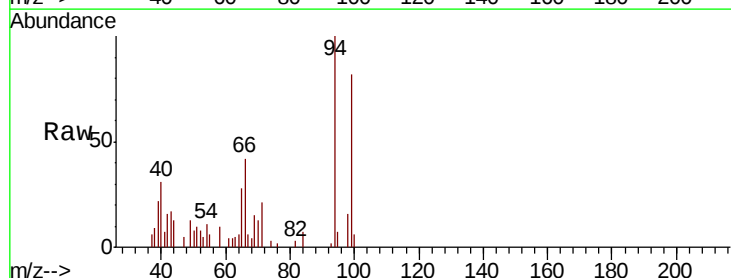
Tgt Ion: 94 Resp: 11317

Ion Ratio Lower Upper

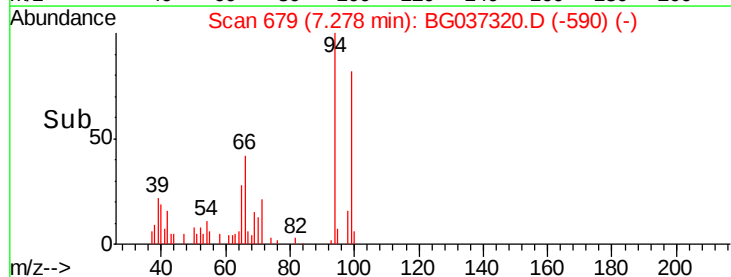
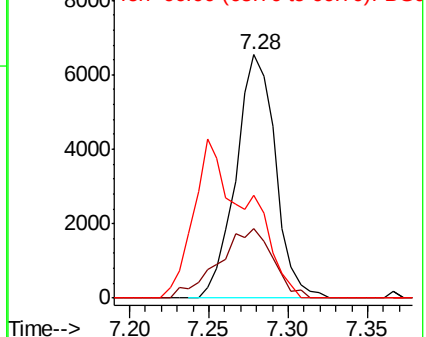
94 100

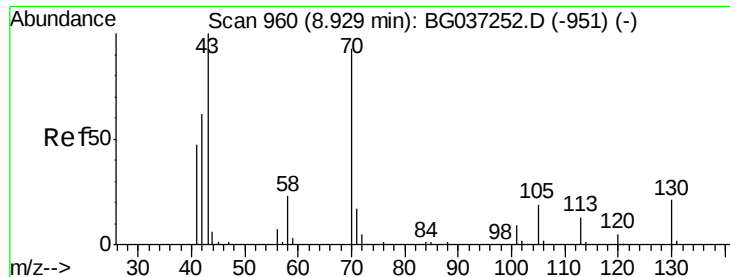
65 28.4 9.7 49.7

66 42.3 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

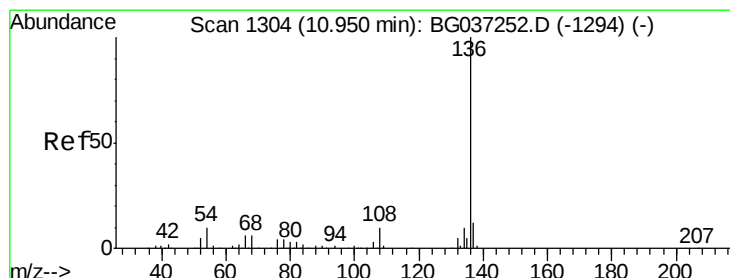
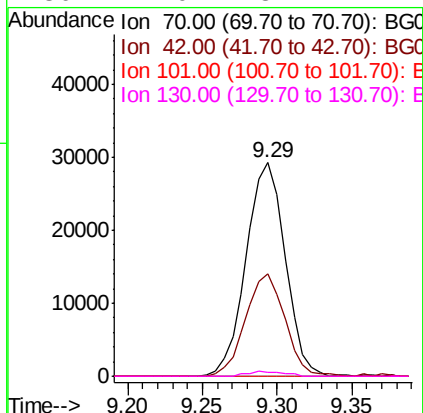
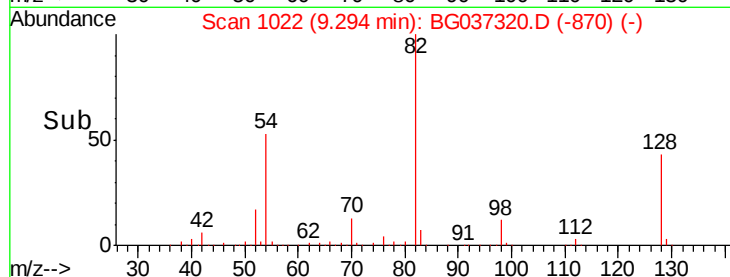
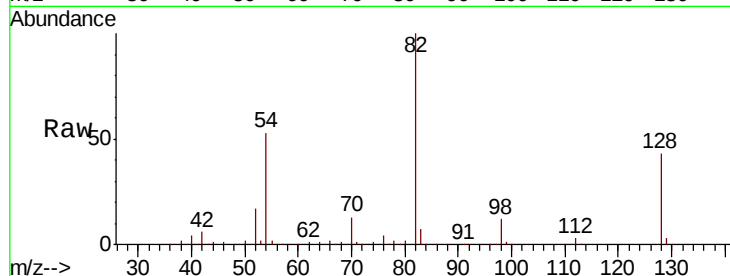




#19
n-Nitroso-di-n-propylamine
Concen: 14.381 ng
RT: 9.29 min Scan# 1022
Delta R.T. 0.36 min
Lab File: BG037320.D
Acq: 13 Oct 2018 10:40

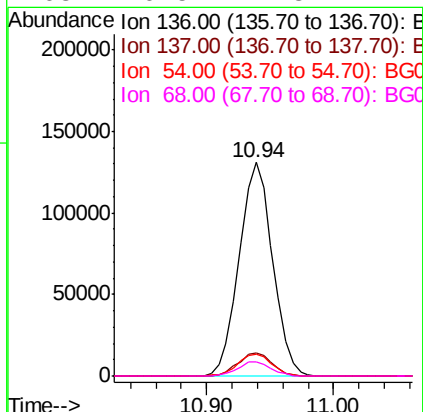
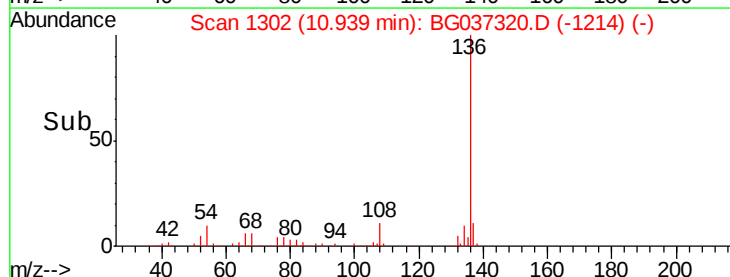
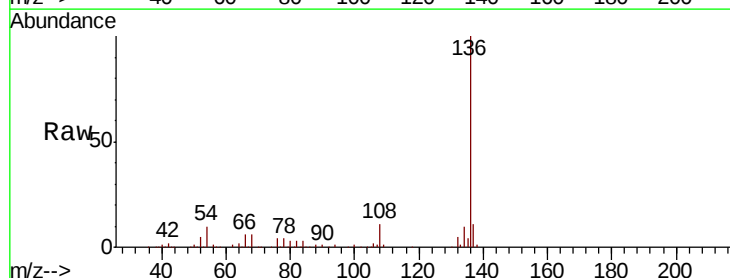
Instrument :
BNA_G
ClientSampleId :

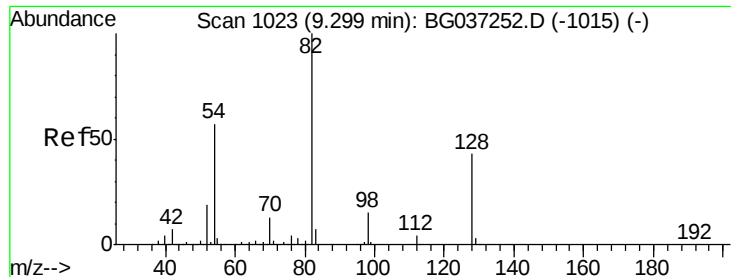
Tot Ion: 70 Resp: 52935
Ion Ratio Lower Upper
70 100
42 47.7 53.9 80.9#
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037320.D
Acq: 13 Oct 2018 10:40

Tgt Ion: 136 Resp: 239976
Ion Ratio Lower Upper
136 100
137 10.6 9.6 14.4
54 10.0 7.9 11.9
68 6.5 4.8 7.2

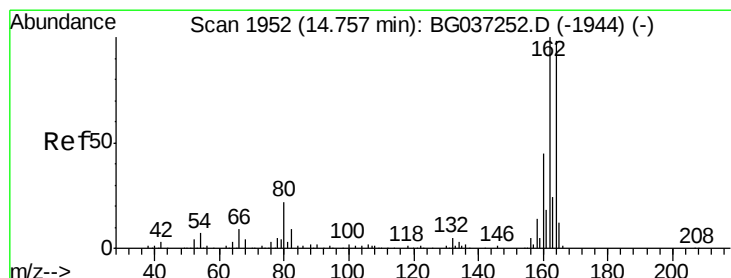
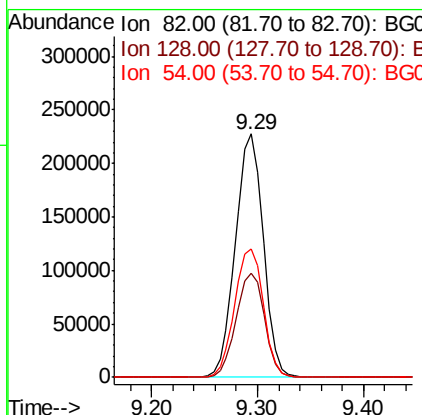
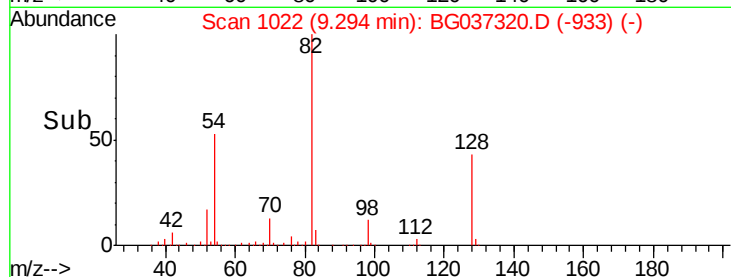
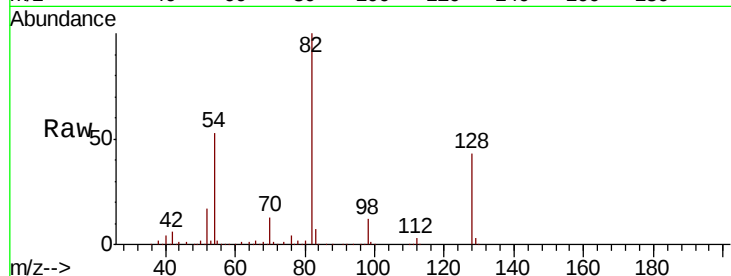




#23
Nitrobenzene-d5
Concen: 113.593 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037320.D
Acq: 13 Oct 2018 10:40

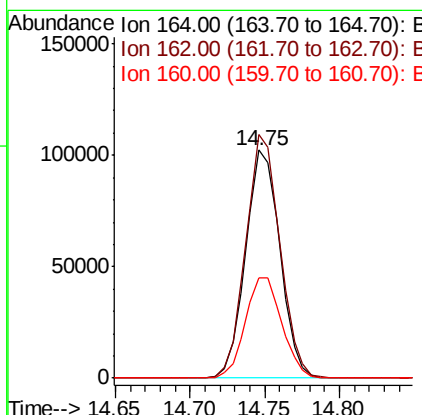
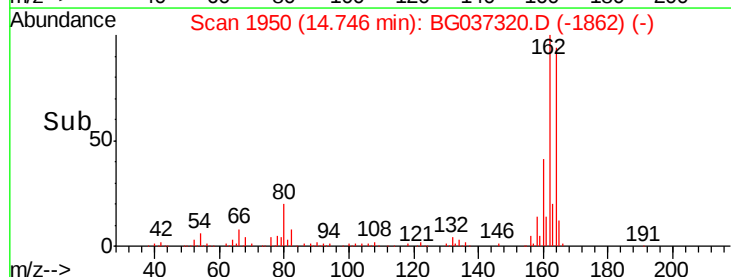
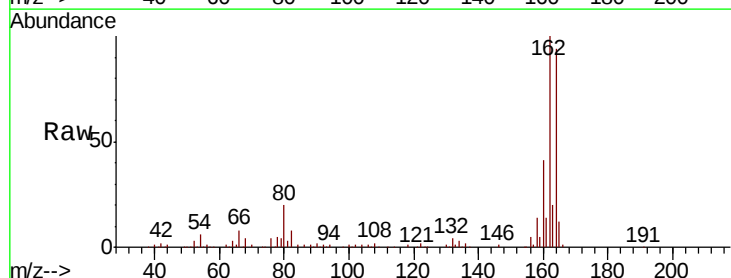
Instrument :
BNA_G
ClientSampleId :

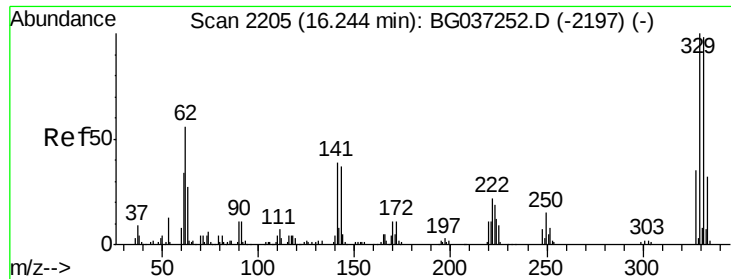
Tot Ion	82.00	Resp	414628
Ion Ratio	100	Lower	Upper
128	43.0	34.6	51.8
54	52.9	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BG037320.D
Acq: 13 Oct 2018 10:40

Tgt Ion	164.00	Resp	162133
Ion Ratio	100	Lower	Upper
162	106.8	81.3	121.9
160	44.2	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 117.107 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

Instrument :

BNA_G

ClientSampleId :

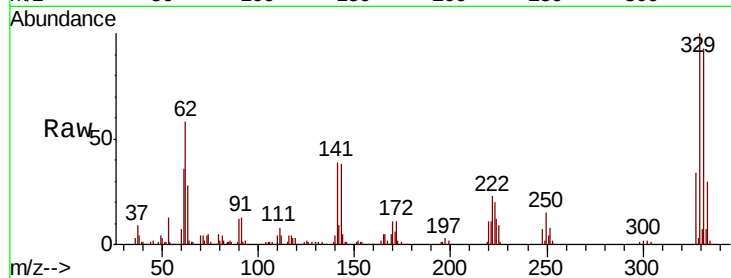
Tot Ion:330 Resp: 186209

Ion Ratio Lower Upper

330 100

332 94.4 78.4 117.6

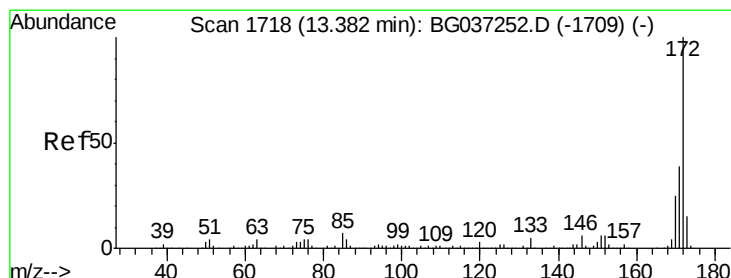
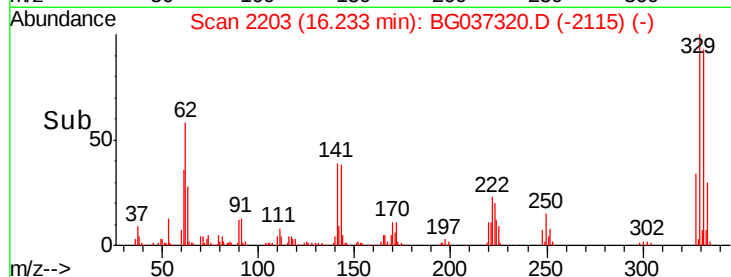
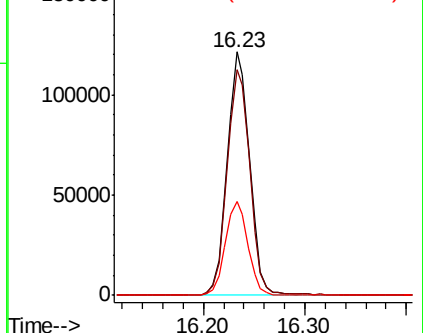
141 38.7 32.2 48.2



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: 94.508 ng

RT: 13.37 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

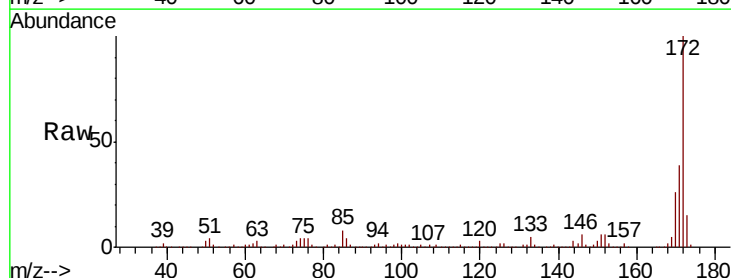
Tgt Ion:172 Resp: 1020324

Ion Ratio Lower Upper

172 100

171 39.1 31.0 46.4

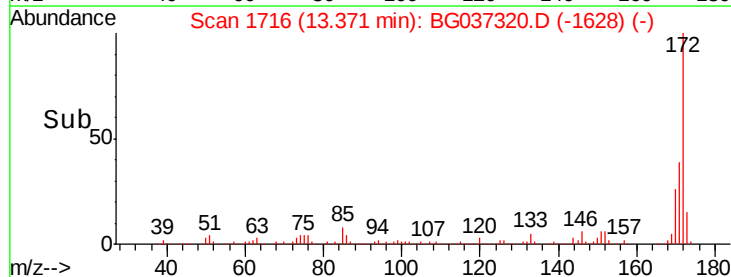
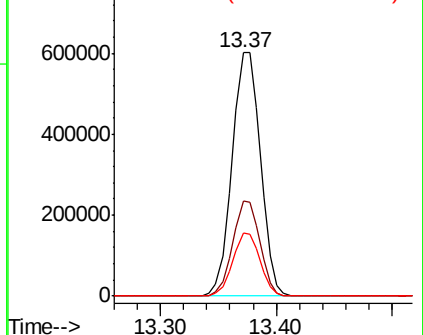
170 25.8 20.2 30.2

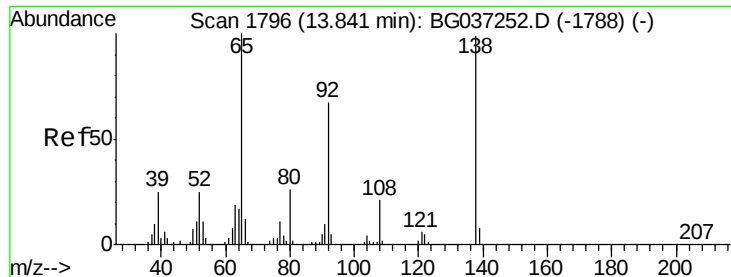


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 5.875 ng

RT: 14.20 min Scan# 1857

Delta R.T. 0.36 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

Instrument :

BNA_G

ClientSampleId :

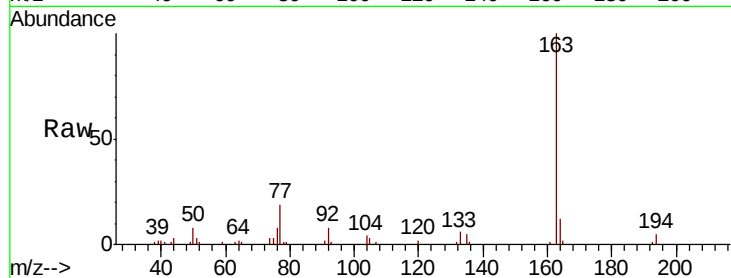
Tot Ion: 65 Resp: 372

Ion Ratio Lower Upper

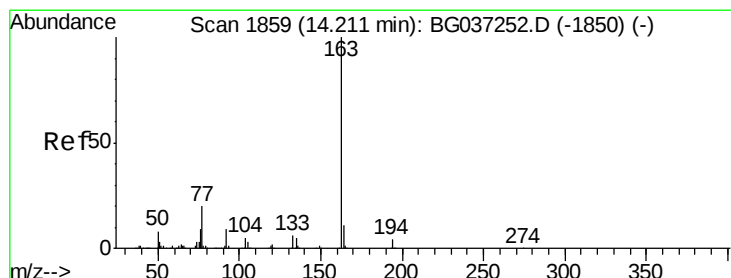
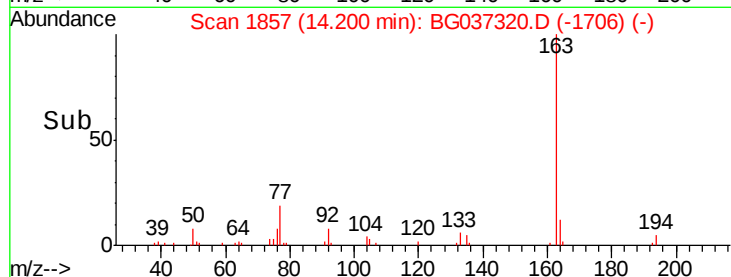
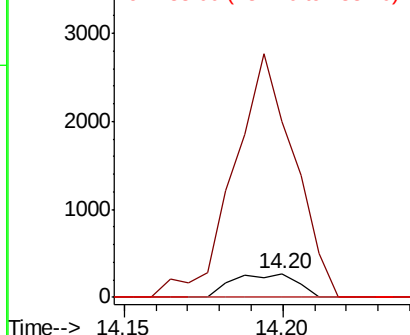
65 100

92 736.8 53.2 79.8#

138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 3.320 ng

RT: 14.19 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

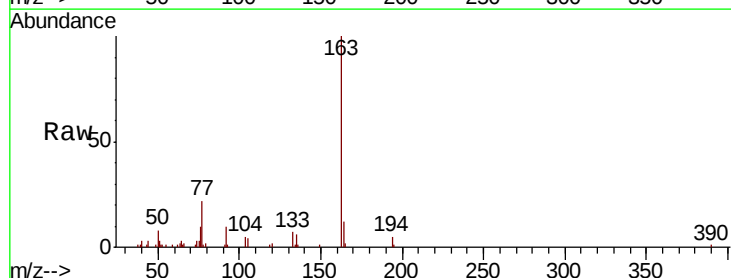
Tgt Ion:163 Resp: 42297

Ion Ratio Lower Upper

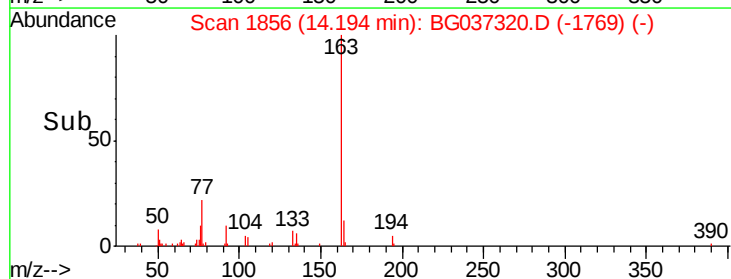
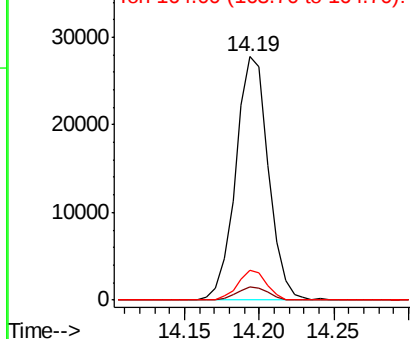
163 100

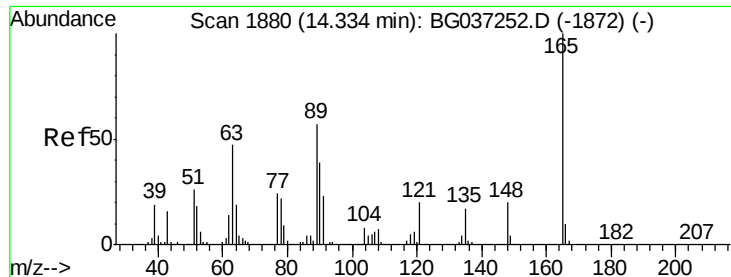
194 5.3 3.5 5.3#

164 12.2 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC

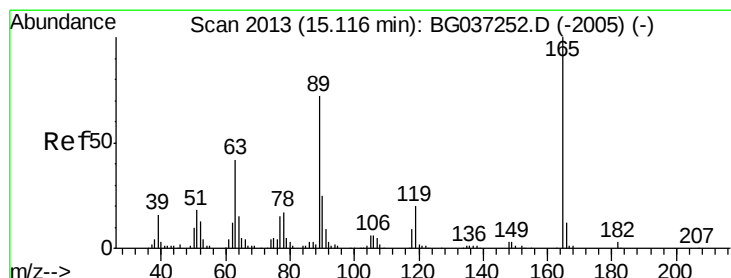
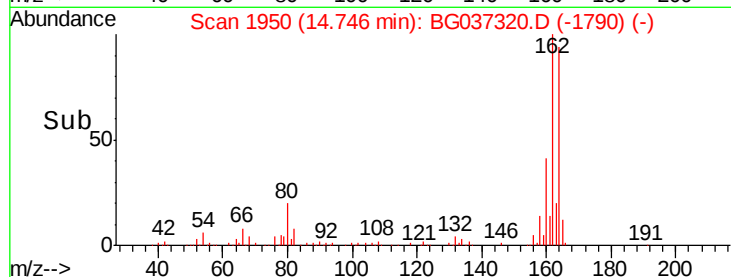
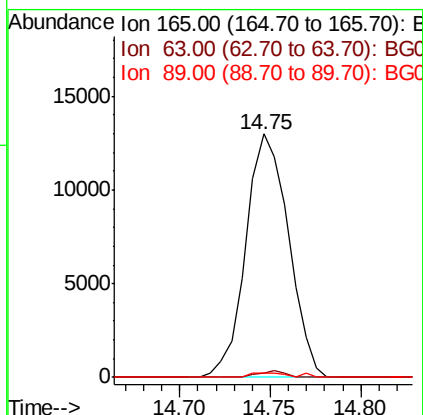
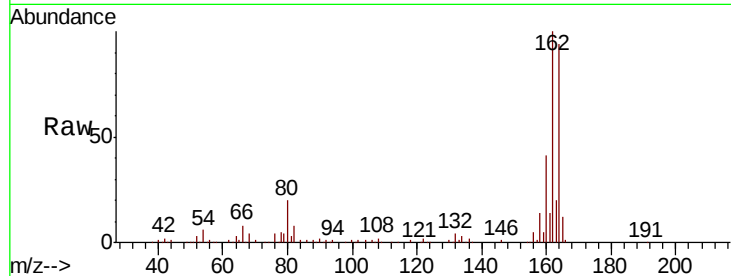




#51
 2,6-Dinitrotoluene
 Concen: 12.559 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037320.D
 Acq: 13 Oct 2018 10:40

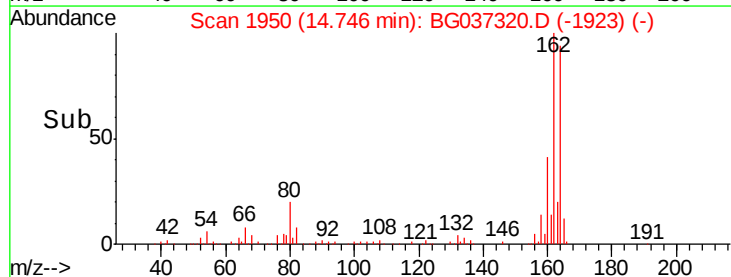
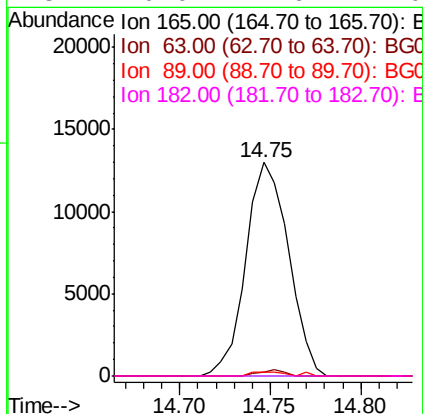
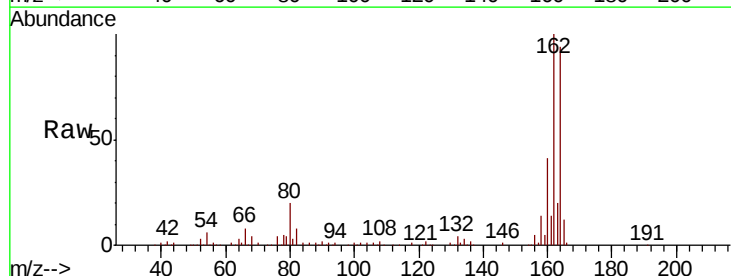
Instrument :
 BNA_G
 ClientSampleId :

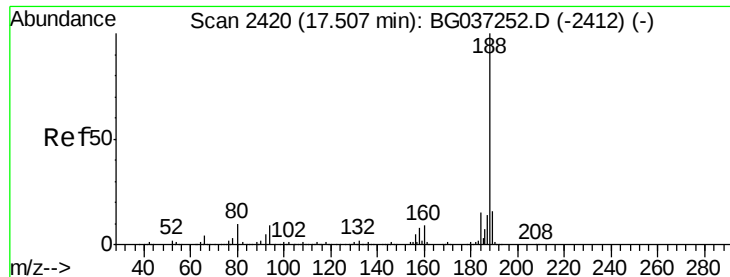
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	43.4	65.2#
89	1.5	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 11.381 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037320.D
 Acq: 13 Oct 2018 10:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	33.4	50.0#
89	1.5	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: BG037320.D

Acq: 13 Oct 2018 10:40

Instrument :

BNA_G

ClientSampleId :

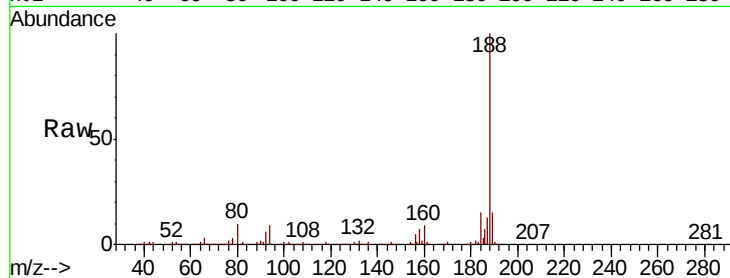
Tot Ion:188 Resp: 430213

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

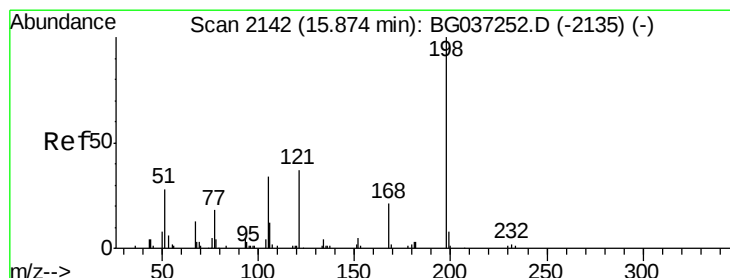
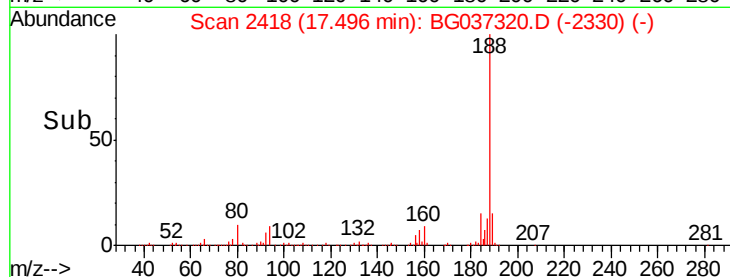
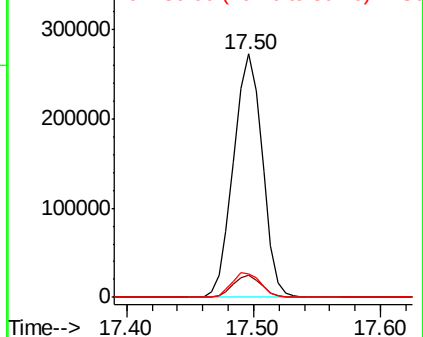
80 9.9 7.7 11.5



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: 6.450 ng

RT: 16.24 min Scan# 2204

Delta R.T. 0.37 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

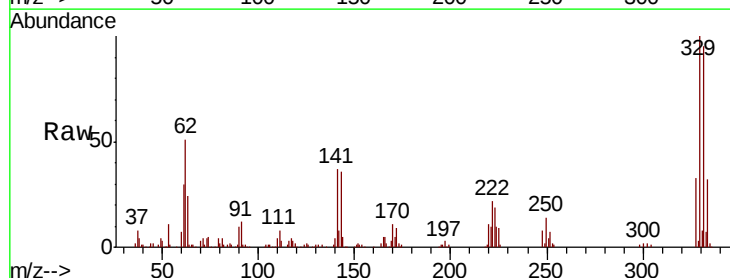
Tgt Ion:198 Resp: 775

Ion Ratio Lower Upper

198 100

51 23.1 22.7 62.7

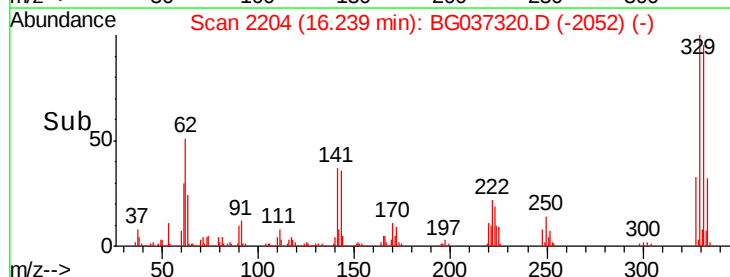
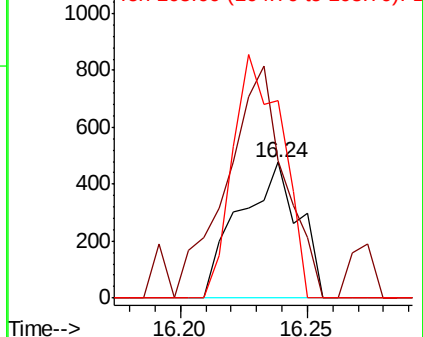
105 33.3 19.7 59.7

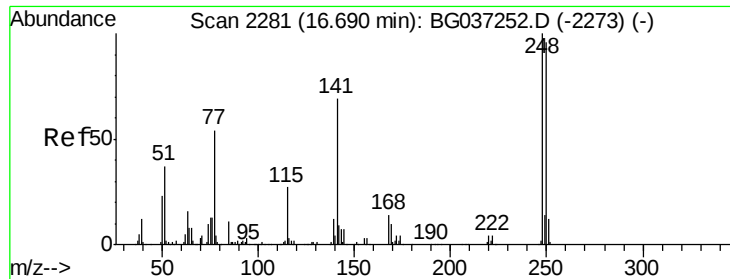


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.926 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

Instrument :

BNA_G

ClientSampleId :

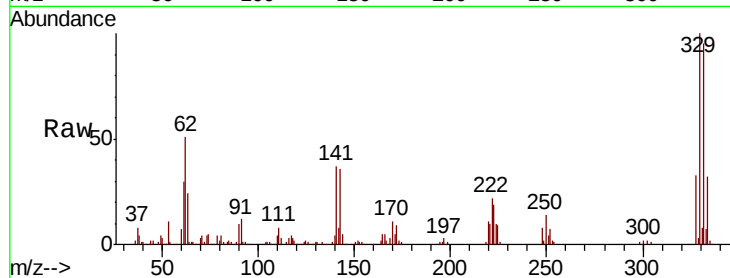
Tot Ion:248 Resp: 13586

Ion Ratio Lower Upper

248 100

250 172.1 77.0 115.6#

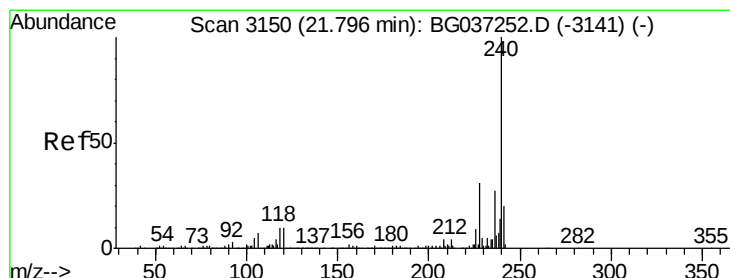
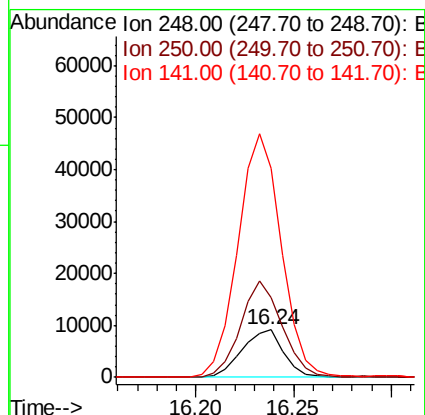
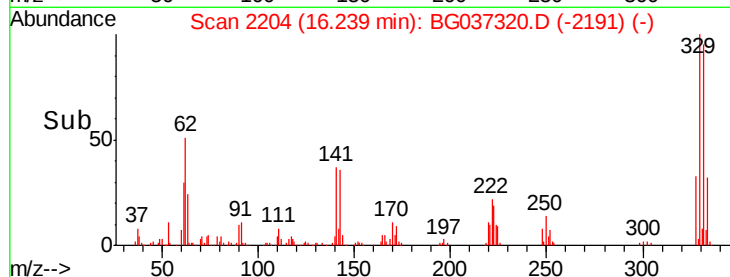
141 348.7 55.5 83.3#



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: BG037320.D

Acq: 13 Oct 2018 10:40

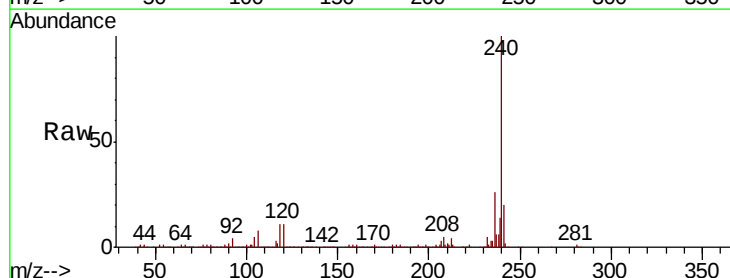
Tgt Ion:240 Resp: 414968

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

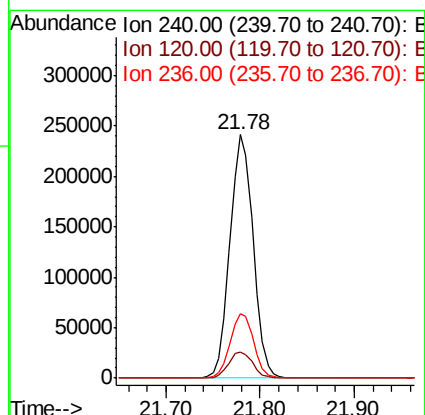
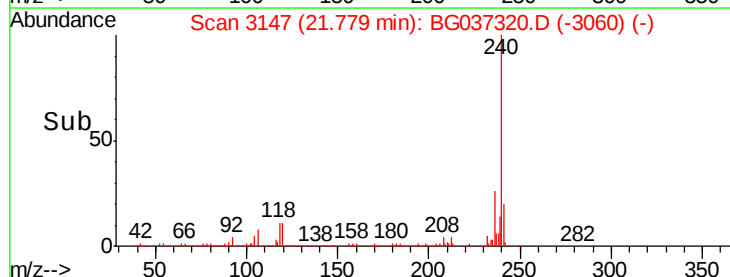
236 26.5 21.4 32.0

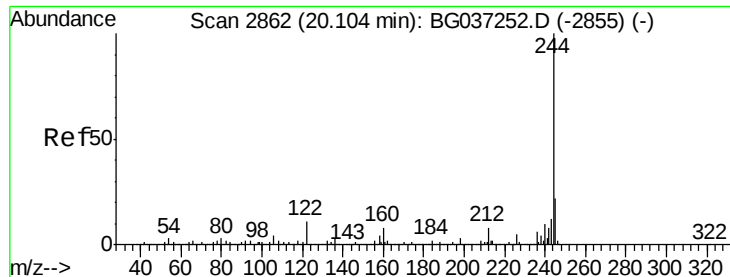


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 87.520 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

Instrument :

BNA_G

ClientSampleId :

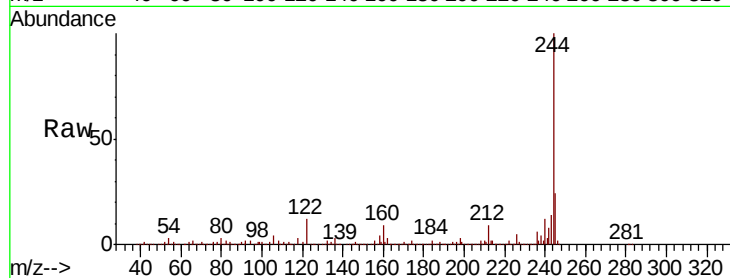
Tot Ion:244 Resp: 1729627

Ion Ratio Lower Upper

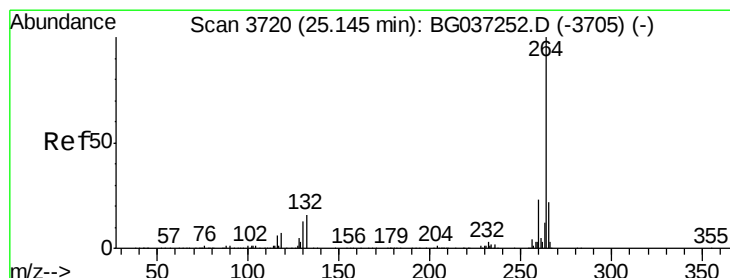
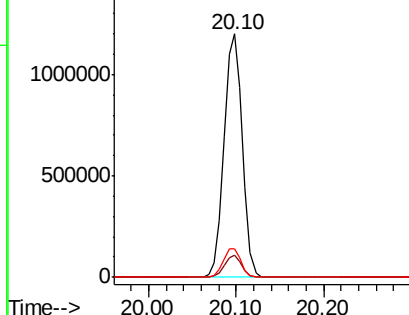
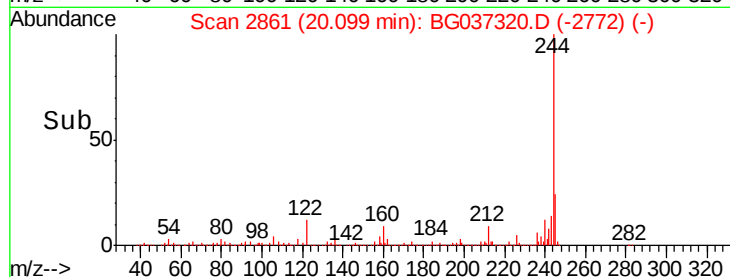
244 100

212 9.3 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

Perylene-d12

Concen: 20.000 ng

RT: 25.13 min Scan# 3717

Delta R.T. -0.02 min

Lab File: BG037320.D

Acq: 13 Oct 2018 10:40

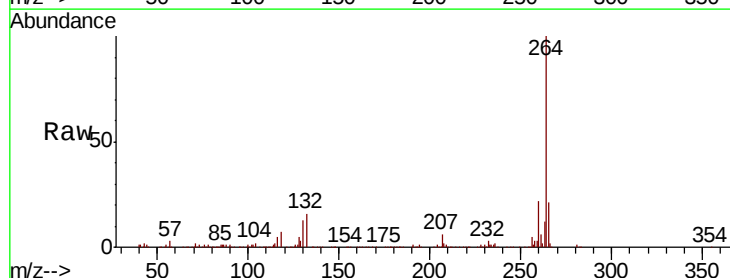
Tgt Ion:264 Resp: 416842

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.4

265 20.9 17.9 26.9



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

