

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037368.D
 Acq On : 16 Oct 2018 20:45
 Operator : JU/SJ
 Sample : J5198-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 01:39:50 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

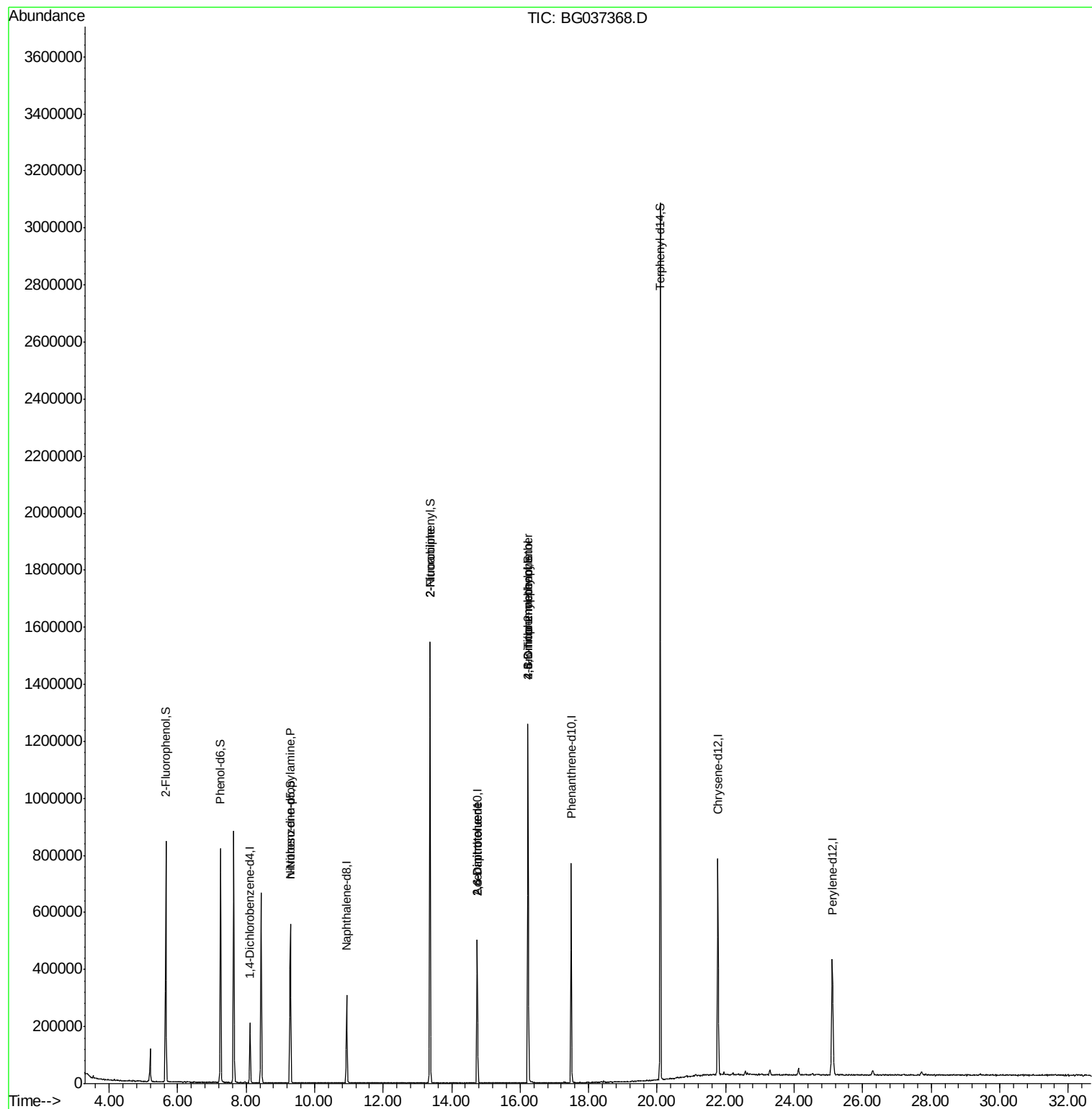
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	65047	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	272767	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	183598	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	476305	20.00	ng	-0.02
76) Chrysene-d12	21.78	240	452699	20.00	ng	-0.02
87) Perylene-d12	25.11	264	448310	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	396723	107.34	ng	0.00
7) Phenol-d6	7.25	99	512757	91.40	ng	0.00
23) Nitrobenzene-d5	9.29	82	348540	84.01	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	230873	128.22	ng	-0.02
45) 2-Fluorobiphenyl	13.37	172	856459	70.06	ng	-0.02
79) Terphenyl-d14	20.09	244	1454952	67.48	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	43440	10.228	ng	# 71
48) 2-Nitroaniline	13.37	65	1468	6.173	ng	# 1
51) 2,6-Dinitrotoluene	14.75	165	23244	12.273	ng	# 23
57) 2,4-Dinitrotoluene	14.75	165	23244	11.157	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	683	6.347	ng	73
67) 4-Bromophenyl-phenylether	16.23	248	16825	3.273	ng	# 1

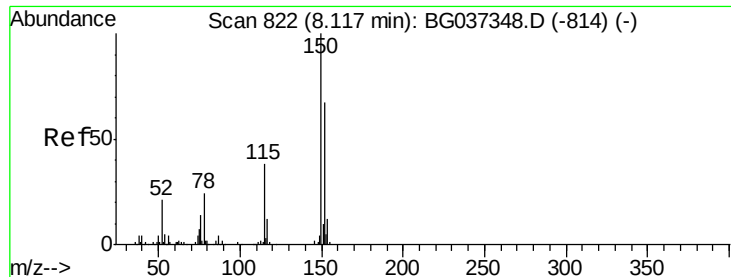
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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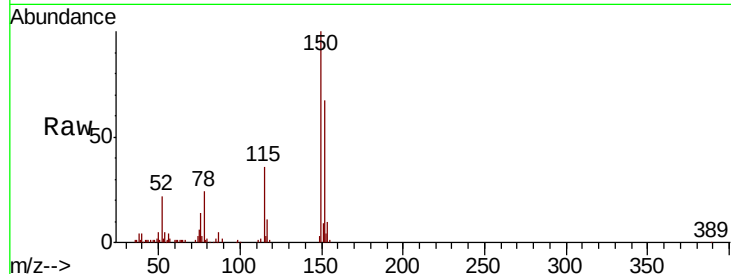


#1

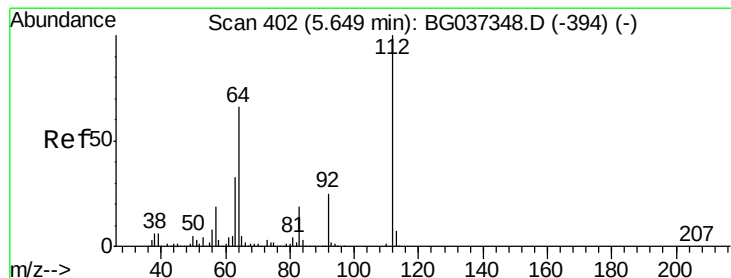
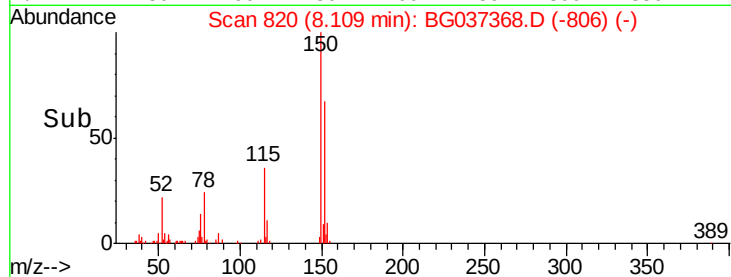
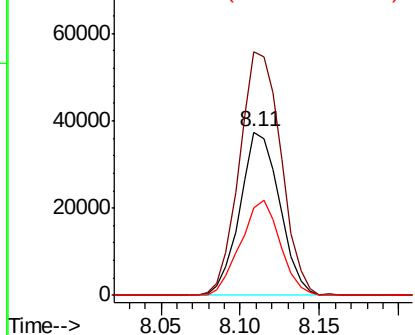
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.02 min
Lab File: BG037368.D
Acq: 16 Oct 2018 20:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.0	126.0	189.0
115	53.4	45.5	68.3



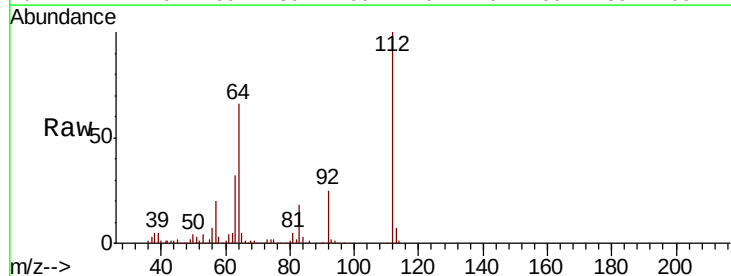
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



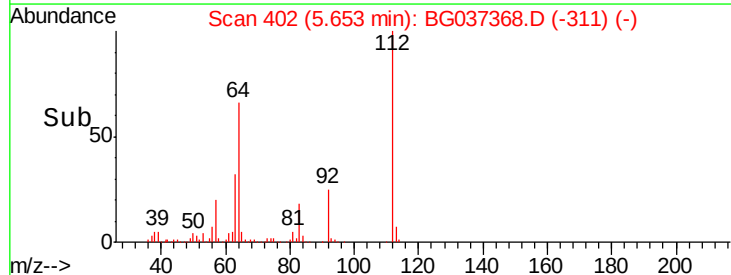
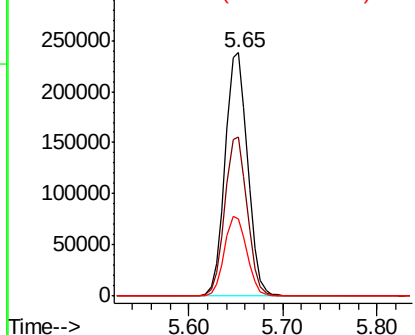
#5

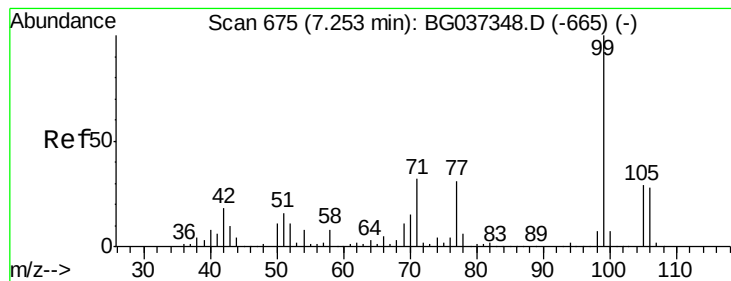
2-Fluorophenol
Concen: 107.337 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037368.D
Acq: 16 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	53.1	79.7
63	31.9	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: 91.401 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

Instrument :

BNA_G

ClientSampleId :

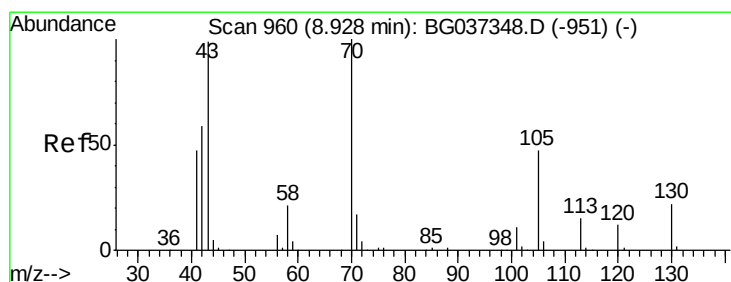
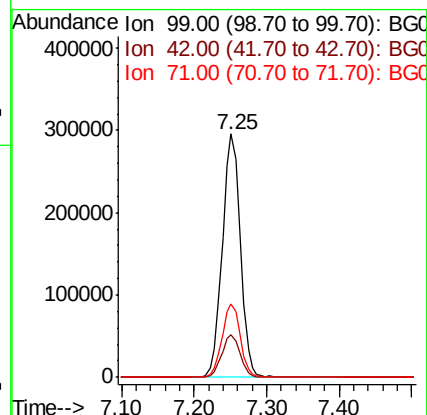
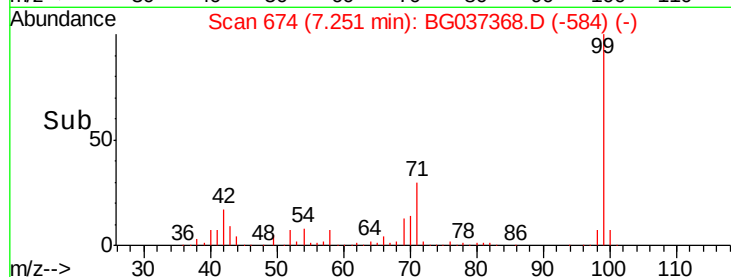
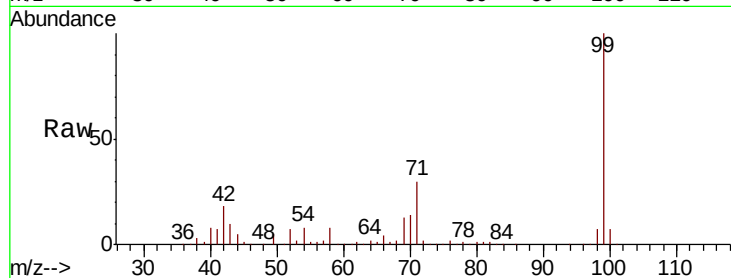
Tot Ion: 99 Resp: 512757

Ion Ratio Lower Upper

99 100

42 17.6 15.0 22.4

71 30.2 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 10.228 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

Tgt Ion: 70 Resp: 43440

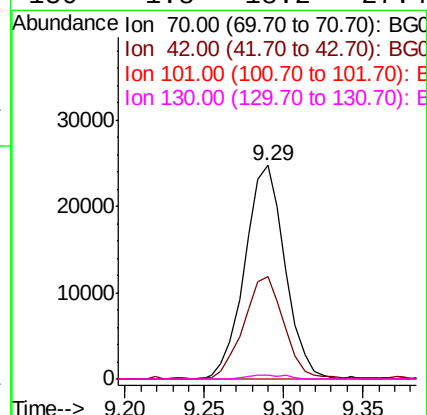
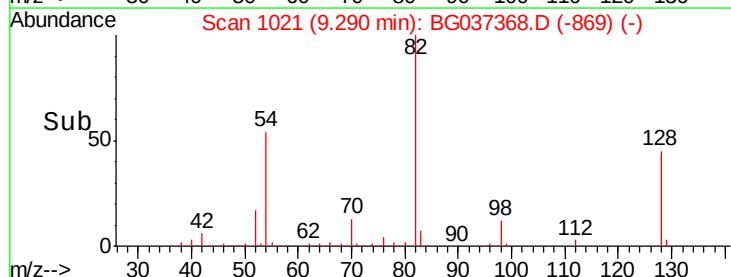
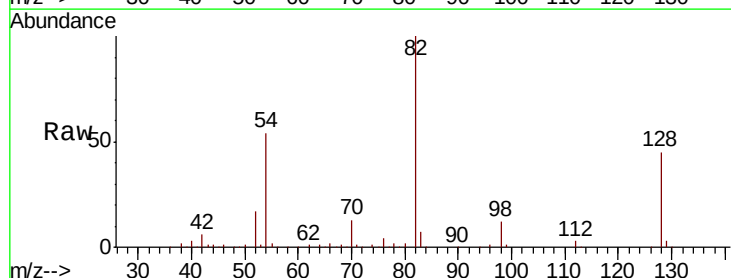
Ion Ratio Lower Upper

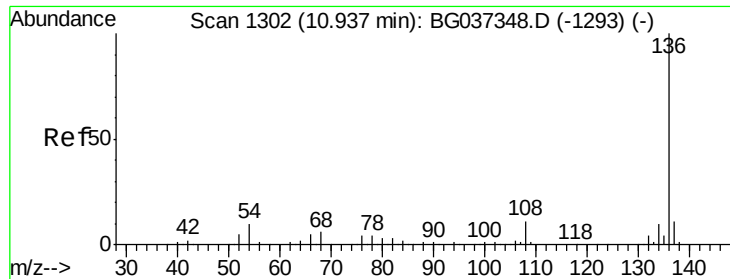
70 100

42 48.0 53.9 80.9#

101 0.0 8.2 12.2#

130 1.8 18.2 27.4#

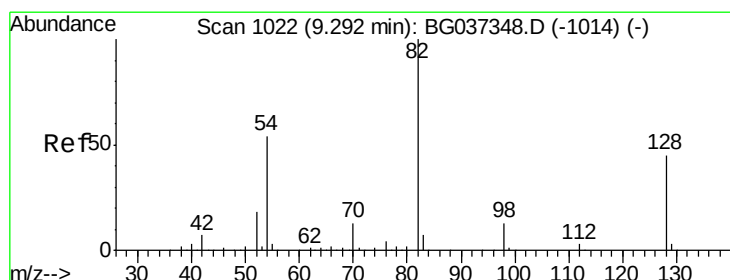
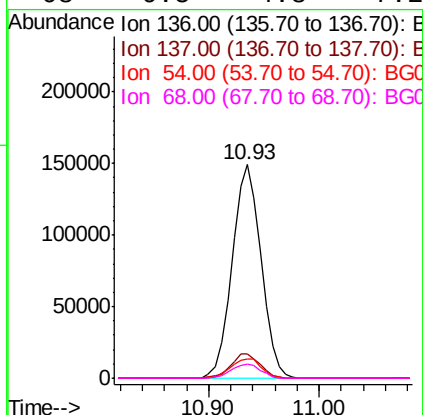
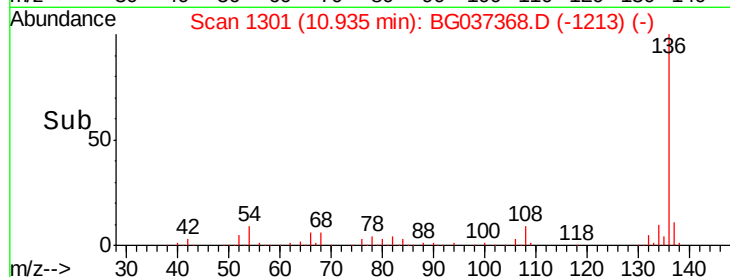
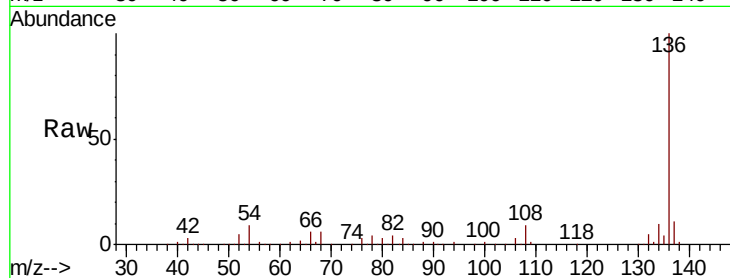




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037368.D
Acq: 16 Oct 2018 20:45

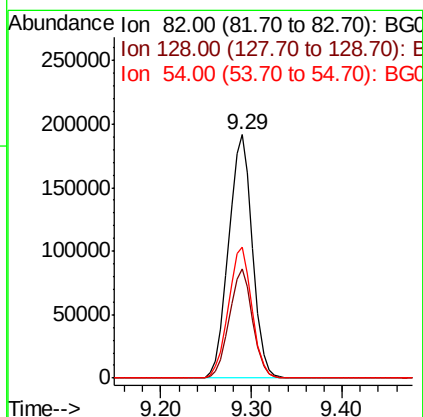
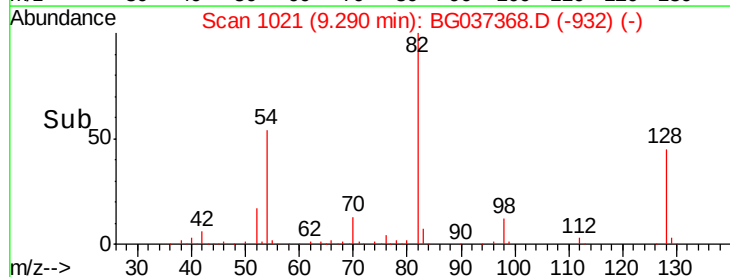
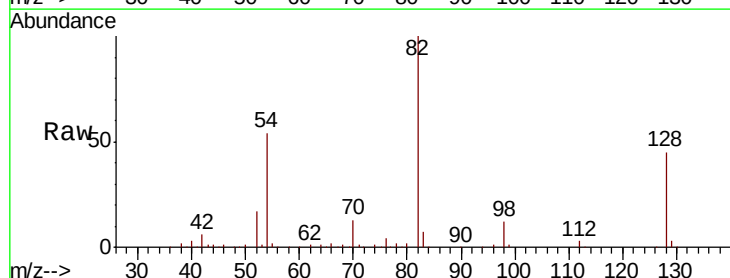
Instrument :
BNA_G
ClientSampleId :

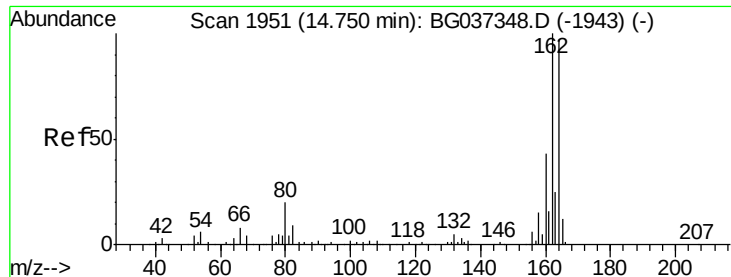
Tot Ion:136	Resp:	272767
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.6 14.4
54	9.2	7.9 11.9
68	6.5	4.8 7.2



#23
Nitrobenzene-d5
Concen: 84.008 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037368.D
Acq: 16 Oct 2018 20:45

Tgt Ion: 82	Resp:	348540
Ion Ratio	Lower	Upper
82	100	
128	44.7	34.6 51.8
54	53.9	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

Instrument :

BNA_G

ClientSampleId :

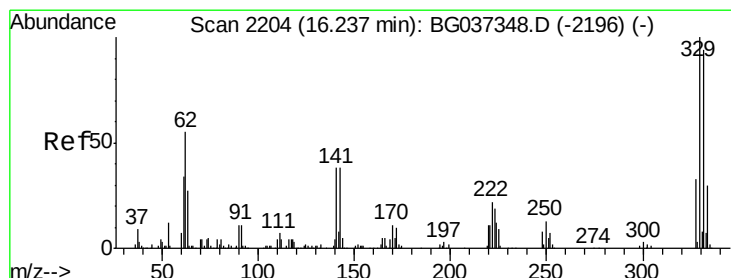
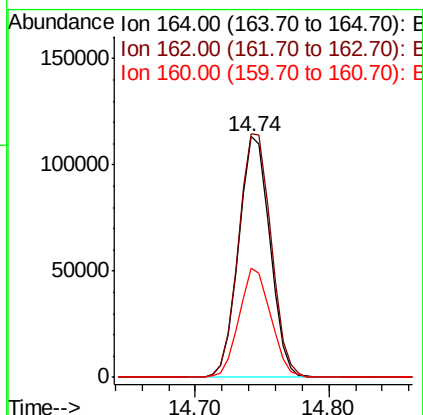
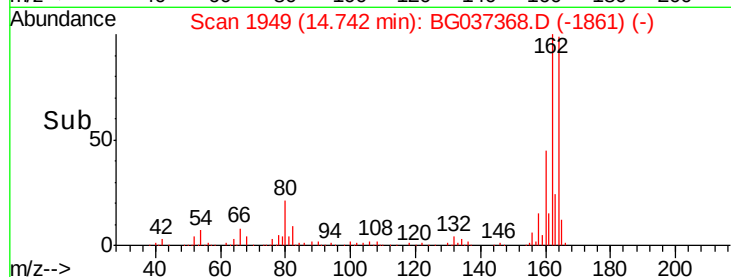
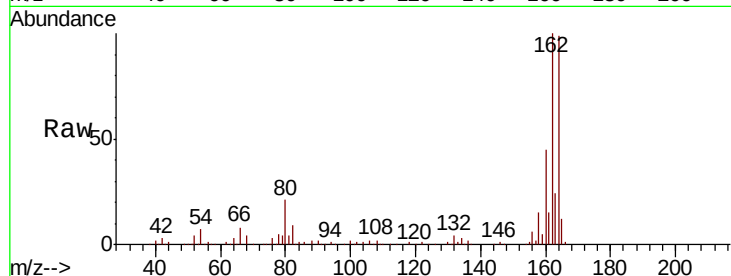
Tot Ion:164 Resp: 183598

Ion Ratio Lower Upper

164 100

162 101.0 81.3 121.9

160 45.1 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 128.221 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

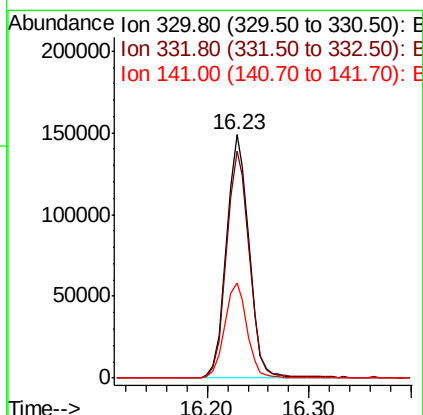
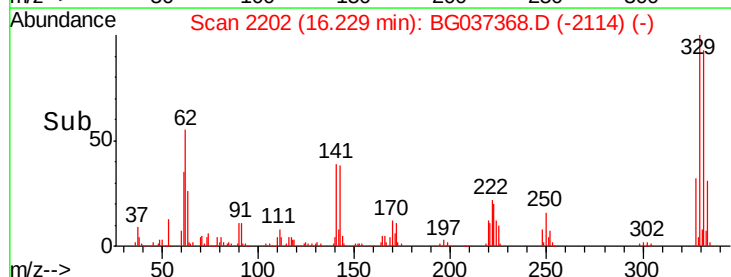
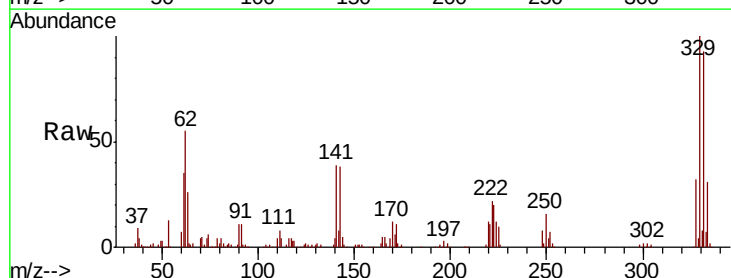
Tgt Ion:330 Resp: 230873

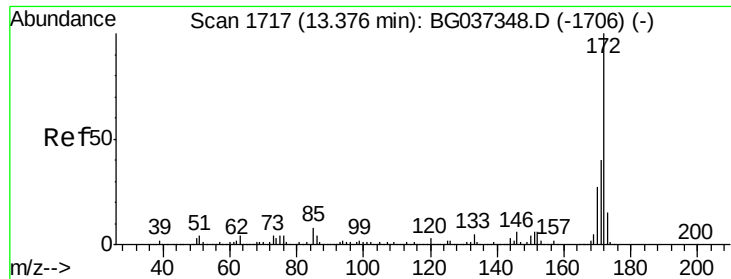
Ion Ratio Lower Upper

330 100

332 94.4 78.4 117.6

141 38.5 32.2 48.2

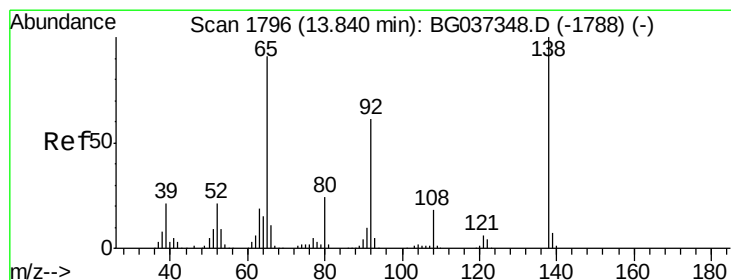
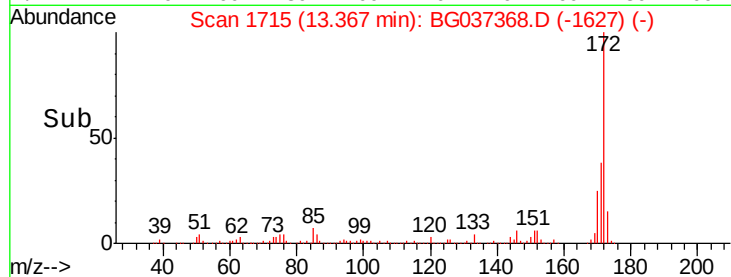
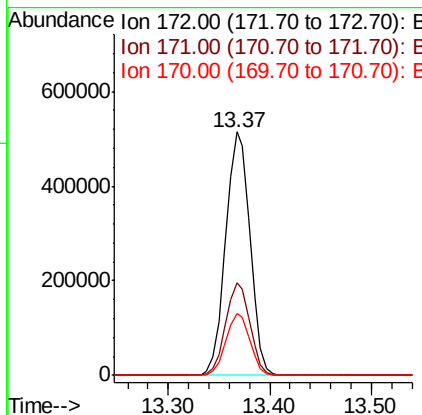
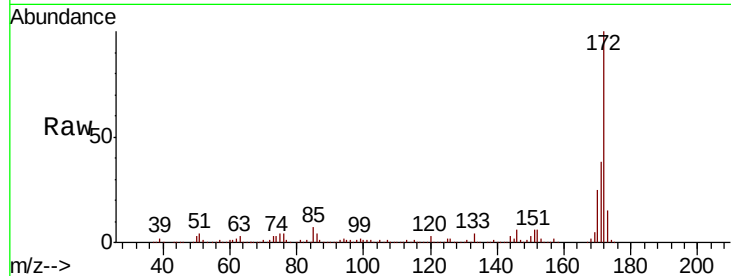




#45
 2-Fluorobiphenyl
 Concen: 70.055 ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.02 min
 Lab File: BG037368.D
 Acq: 16 Oct 2018 20:45

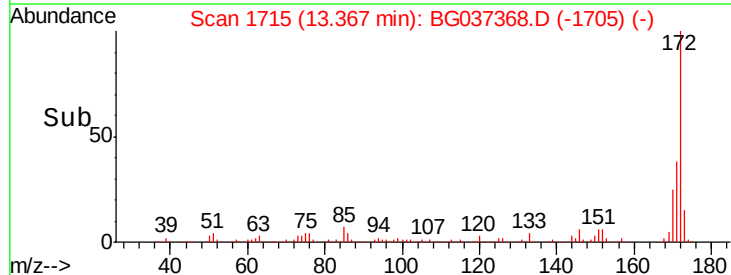
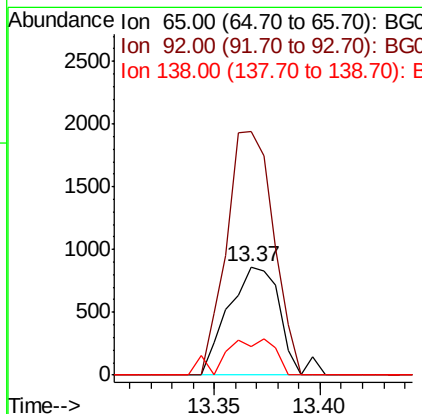
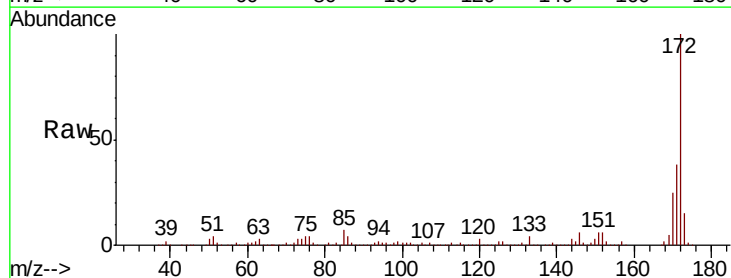
Instrument :
 BNA_G
 ClientSampleId :

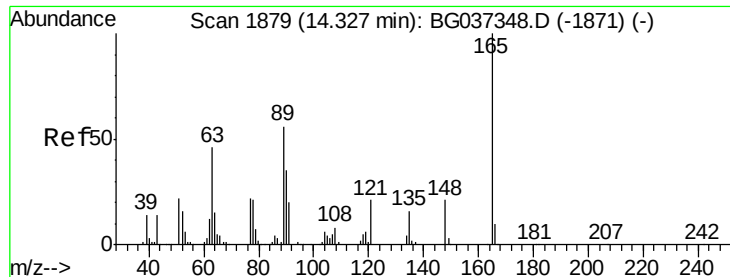
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.0	46.4
170	25.3	20.2	30.2



#48
 2-Nitroaniline
 Concen: 6.173 ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.47 min
 Lab File: BG037368.D
 Acq: 16 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	225.5	53.2	79.8#
138	26.7	79.3	118.9#

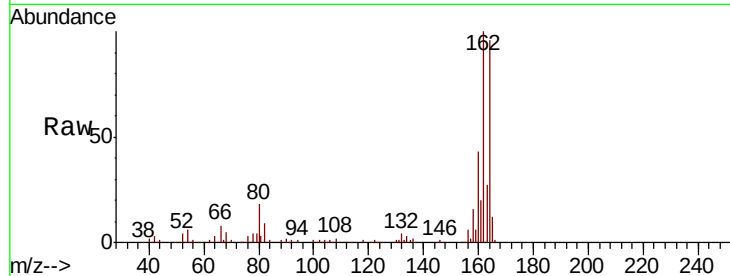




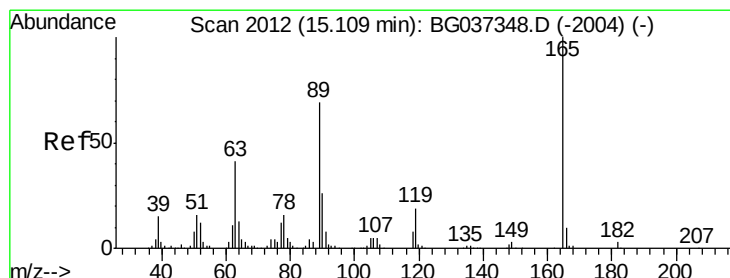
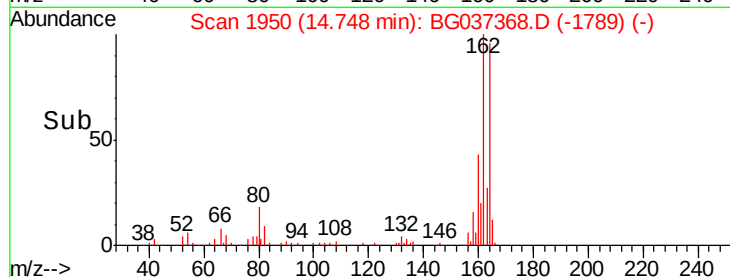
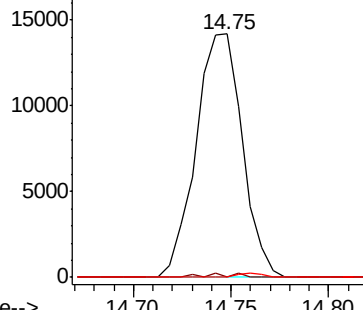
#51
 2,6-Dinitrotoluene
 Concen: 12.273 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037368.D
 Acq: 16 Oct 2018 20:45

Instrument :
 BNA_G
 ClientSampleId :

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



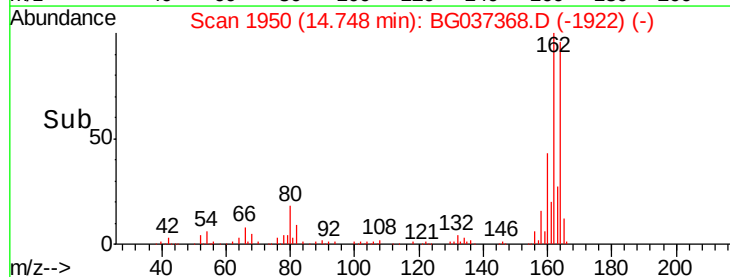
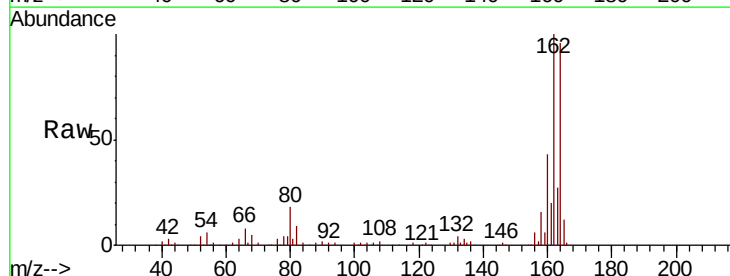
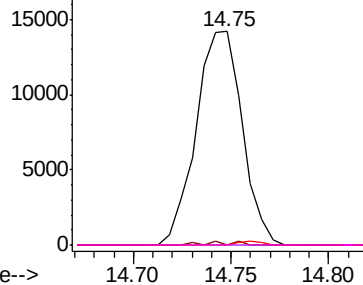
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

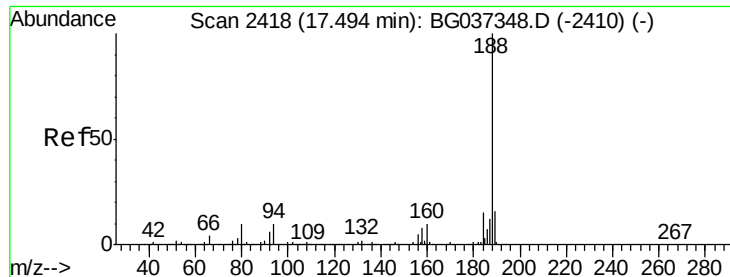


#57
 2,4-Dinitrotoluene
 Concen: 11.157 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037368.D
 Acq: 16 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	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: 17.49 min Scan# 2417

Delta R.T. -0.02 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

Instrument :

BNA_G

ClientSampleId :

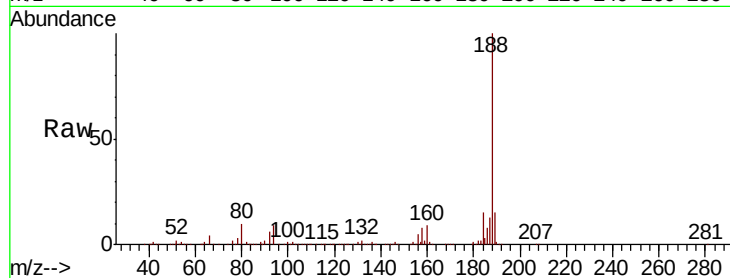
Tot Ion:188 Resp: 476305

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

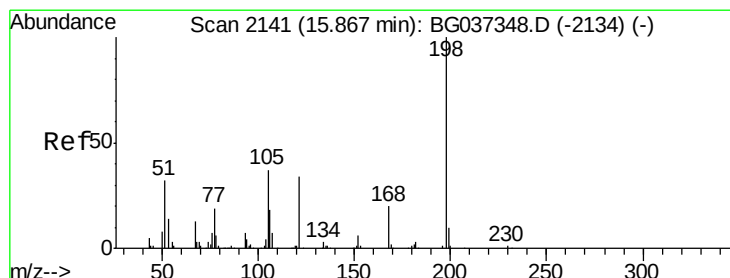
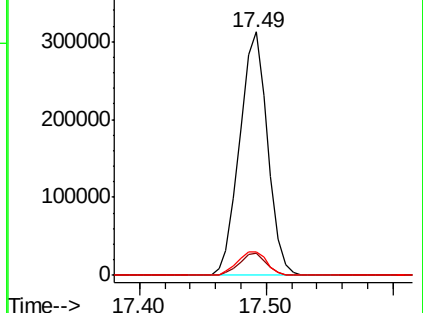
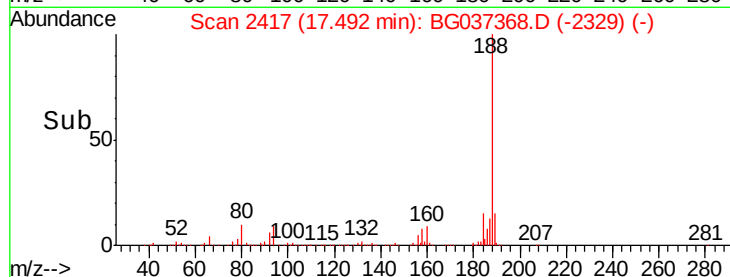
80 9.6 7.7 11.5



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: 6.347 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.36 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

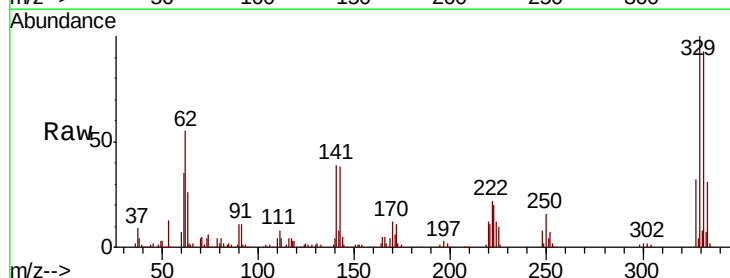
Tgt Ion:198 Resp: 683

Ion Ratio Lower Upper

198 100

51 24.3 22.7 62.7

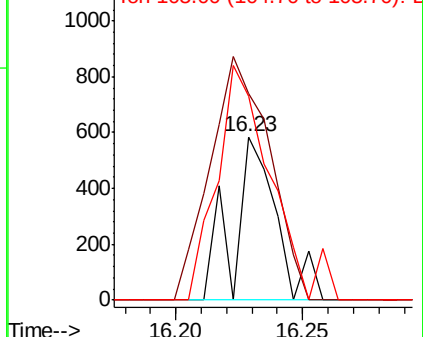
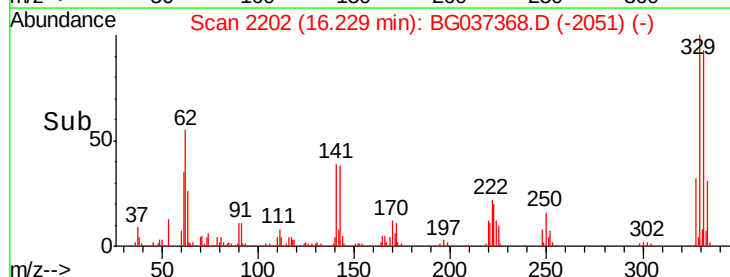
105 24.1 19.7 59.7

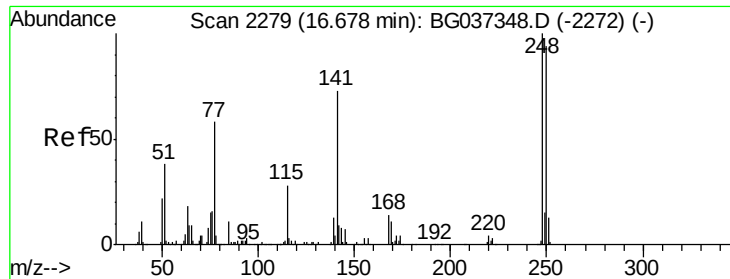


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

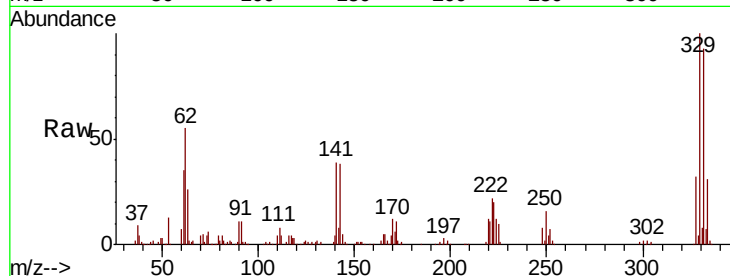




#67
 4-Bromophenyl-phenylether
 Concen: 3.273 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.46 min
 Lab File: BG037368.D
 Acq: 16 Oct 2018 20:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.8	77.0	115.6#
141	407.5	55.5	83.3#

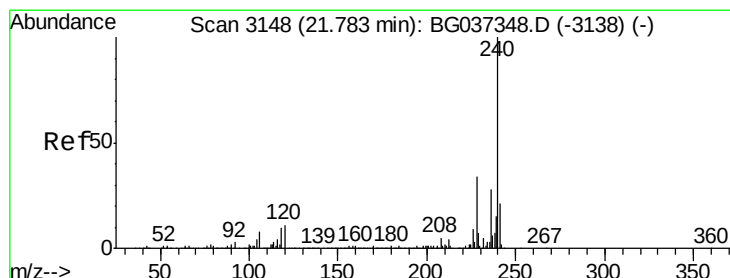
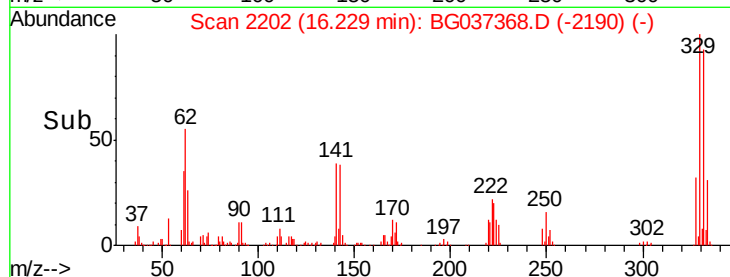
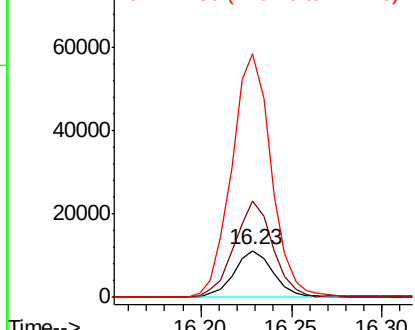


Abundance

Ion 248.00 (247.70 to 248.70): E

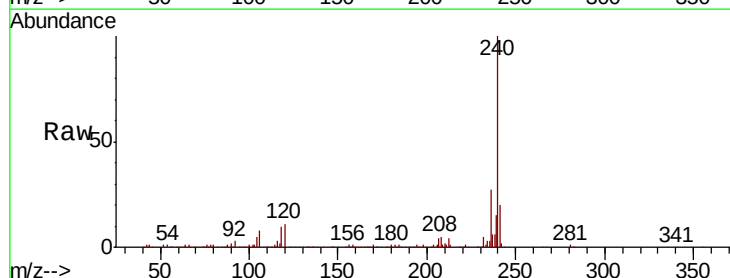
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG037368.D
 Acq: 16 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.1	12.1
236	27.0	21.4	32.0

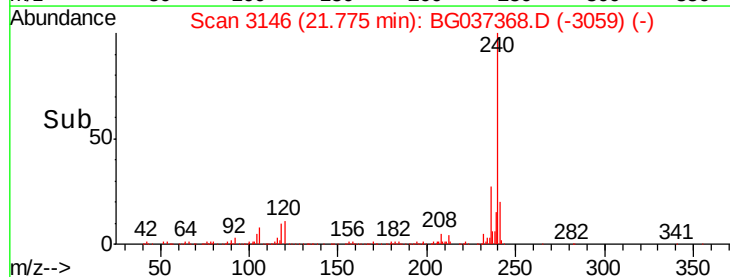
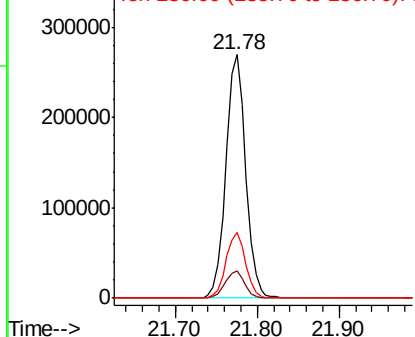


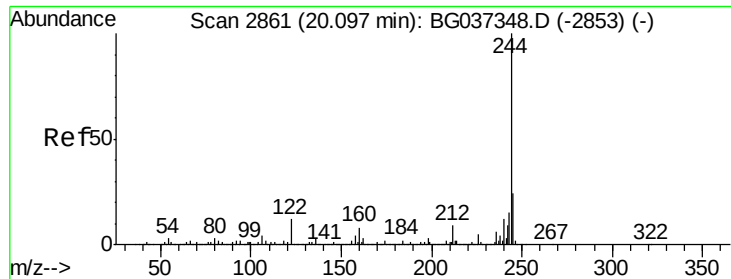
Abundance

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: 67.485 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

Instrument :

BNA_G

ClientSampled :

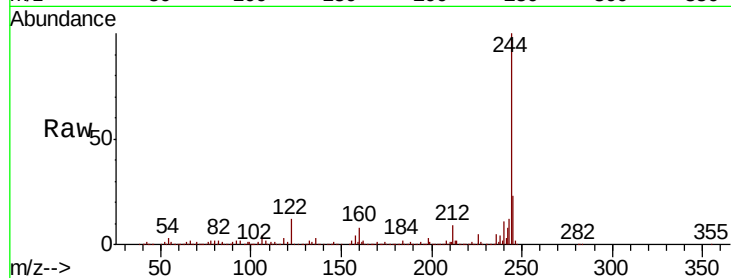
Tot Ion:244 Resp: 1454952

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

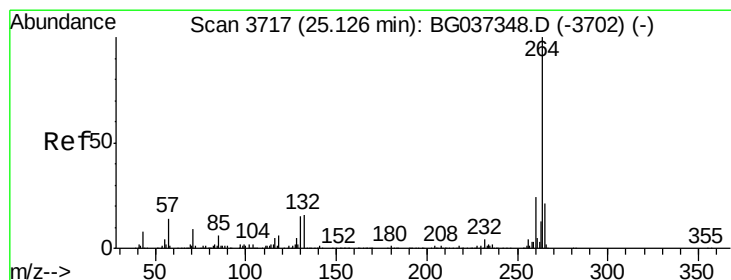
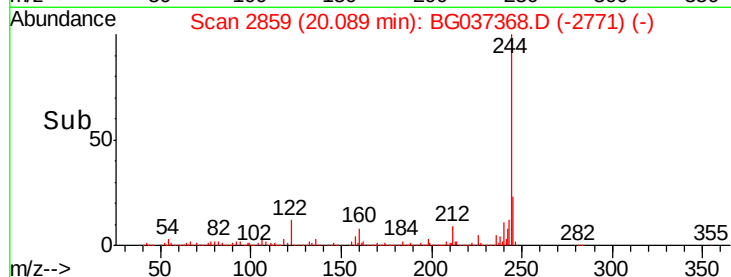
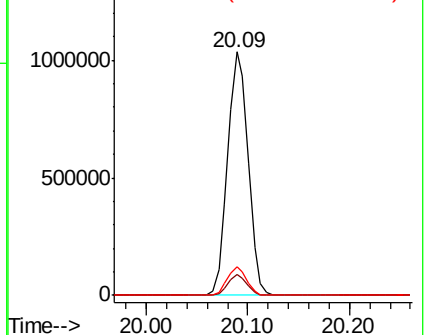
122 11.6 9.0 13.4



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: 25.11 min Scan# 3714

Delta R.T. -0.03 min

Lab File: BG037368.D

Acq: 16 Oct 2018 20:45

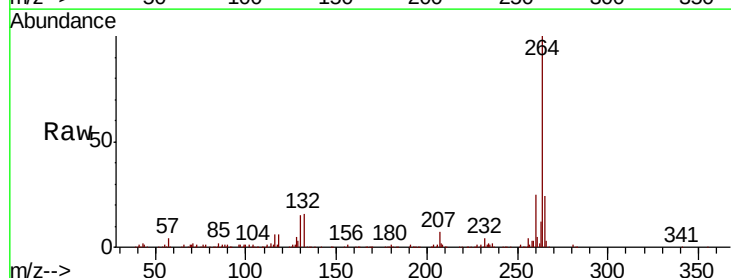
Tgt Ion:264 Resp: 448310

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.4

265 23.6 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

