

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037327.D
 Acq On : 13 Oct 2018 15:14
 Operator : JU/SJ
 Sample : PB113715BL
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:16:58 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

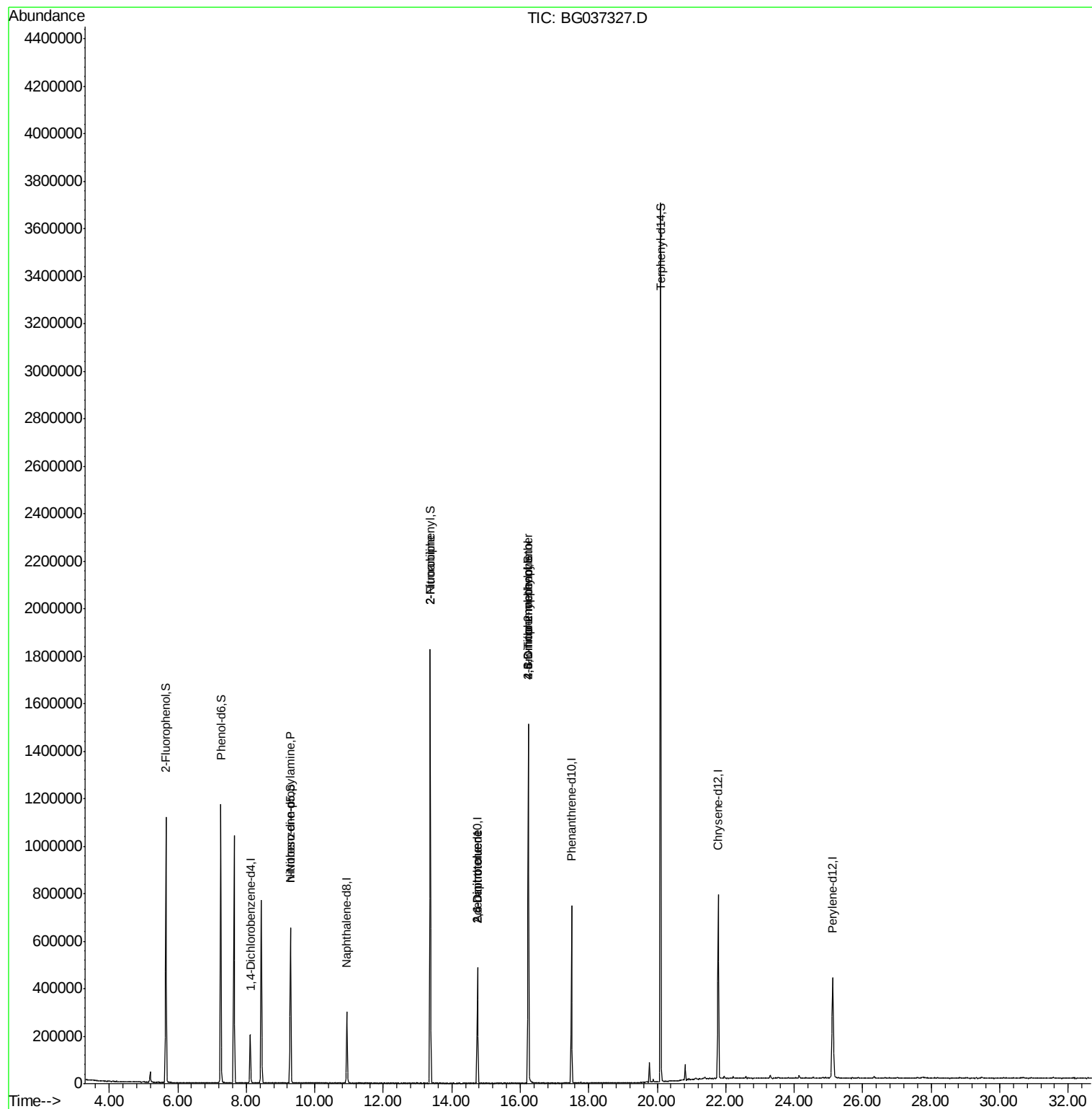
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	62449	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	261726	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	173555	20.00	ng	-0.01
64) Phenanthrene-d10	17.50	188	465638	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	466160	20.00	ng	-0.02
87) Perylene-d12	25.12	264	466471	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	511721	144.21	ng	0.00
7) Phenol-d6	7.25	99	730478	135.63	ng	0.00
23) Nitrobenzene-d5	9.29	82	407279	102.31	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	283182	166.37	ng	-0.01
45) 2-Fluorobiphenyl	13.38	172	1001322	86.64	ng	0.00
79) Terphenyl-d14	20.10	244	1779086	80.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	51185	12.552	ng	# 71
48) 2-Nitroaniline	13.37	65	1637	6.248	ng	# 1
51) 2,6-Dinitrotoluene	14.75	165	21745	12.196	ng	# 24
57) 2,4-Dinitrotoluene	14.75	165	21745	11.097	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.23	198	797	6.425	ng	82
67) 4-Bromophenyl-phenylether	16.24	248	21076	4.194	ng	# 1

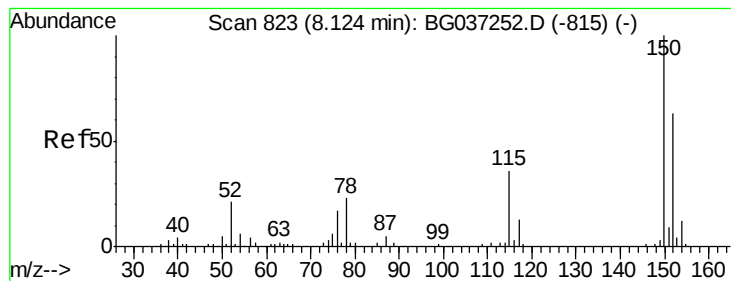
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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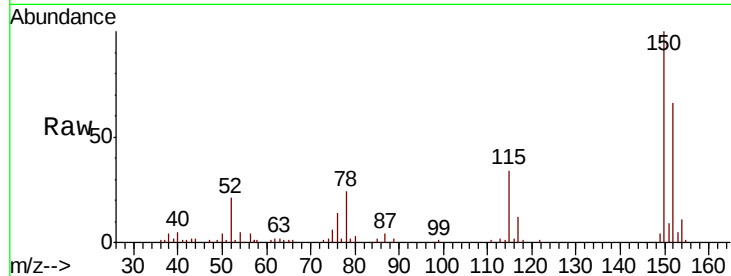


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037327.D
Acq: 13 Oct 2018 15:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	126.0	189.0
115	50.6	45.5	68.3

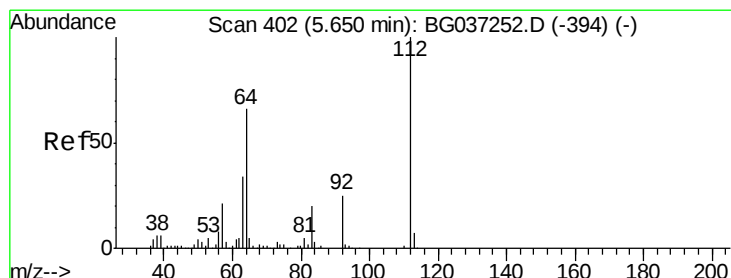
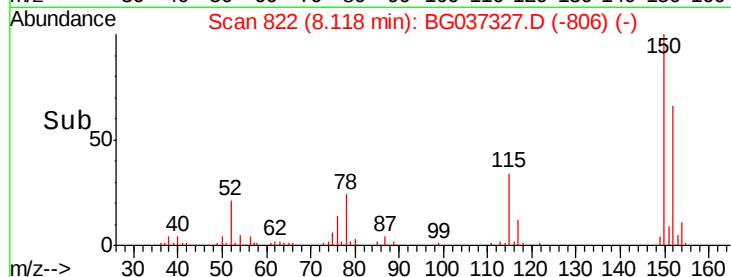
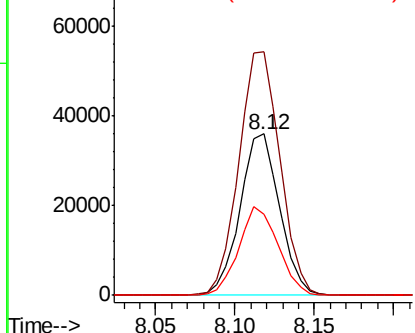


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

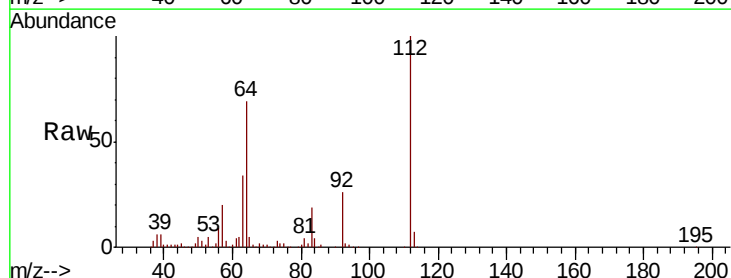
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.211 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037327.D
Acq: 13 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.1	79.7
63	33.6	27.3	40.9

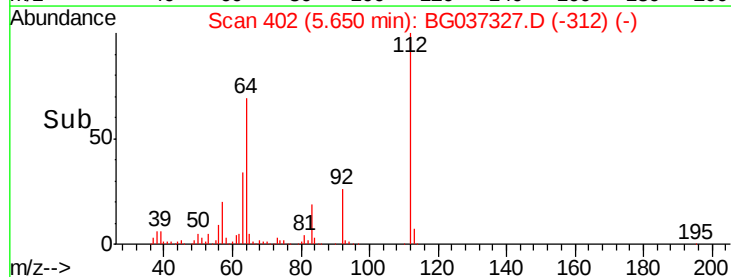
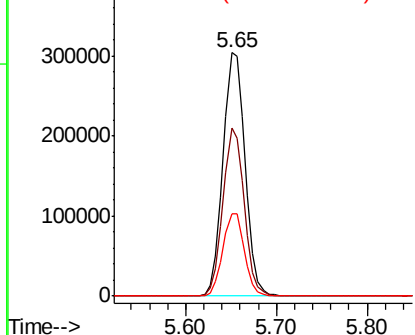


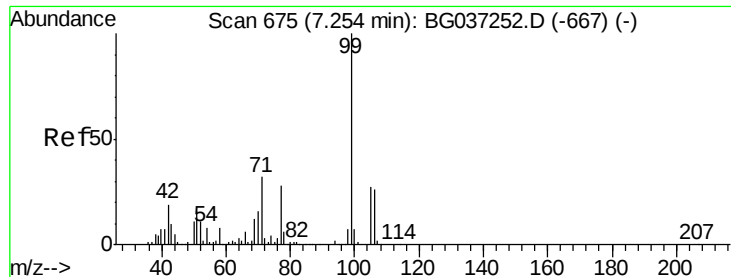
Abundance

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: 135.627 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037327.D

Acq: 13 Oct 2018 15:14

Instrument :

BNA_G

ClientSampled :

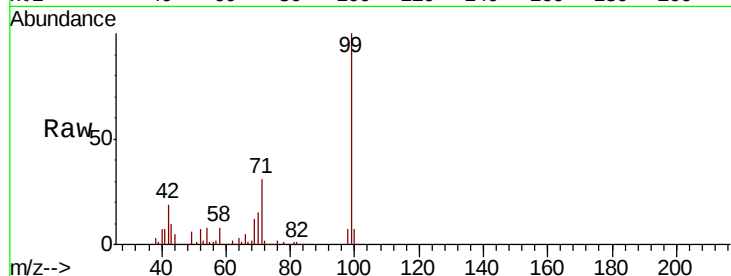
Tot Ion: 99 Resp: 730478

Ion Ratio Lower Upper

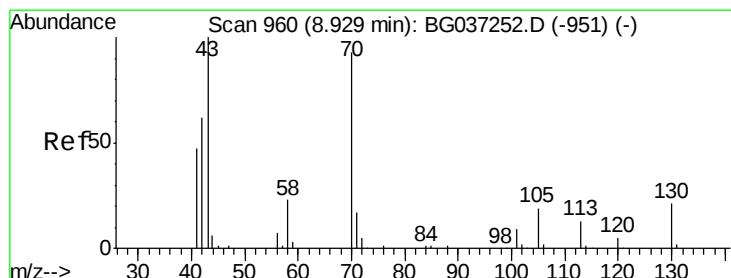
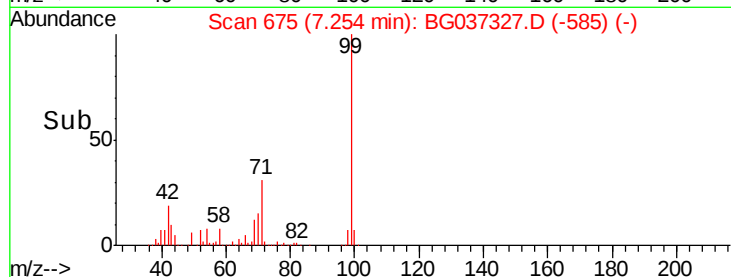
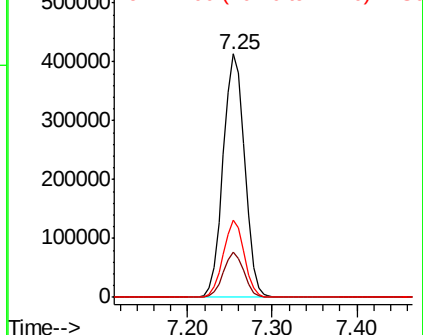
99 100

42 18.6 15.0 22.4

71 31.5 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: 12.552 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037327.D

Acq: 13 Oct 2018 15:14

Tgt Ion: 70 Resp: 51185

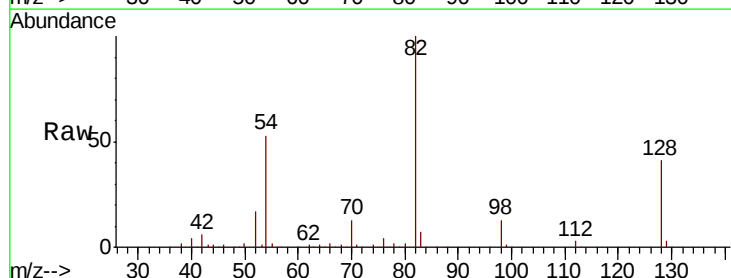
Ion Ratio Lower Upper

70 100

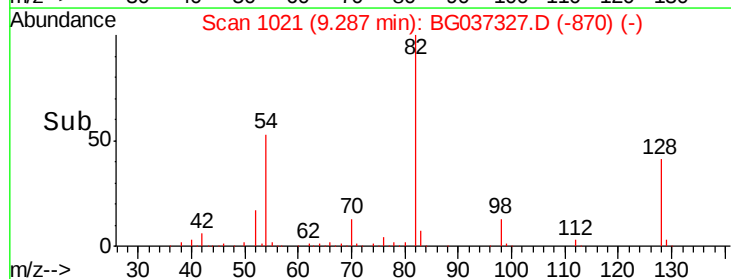
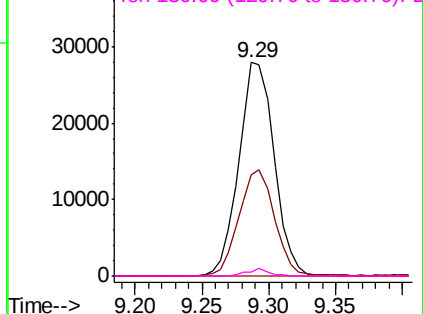
42 47.3 53.9 80.9#

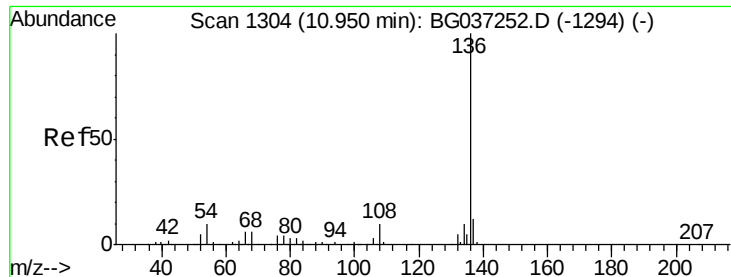
101 0.0 8.2 12.2#

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

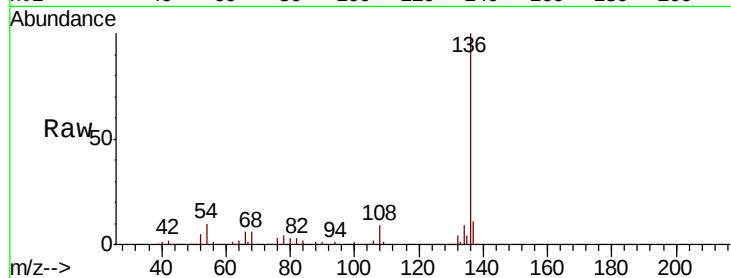




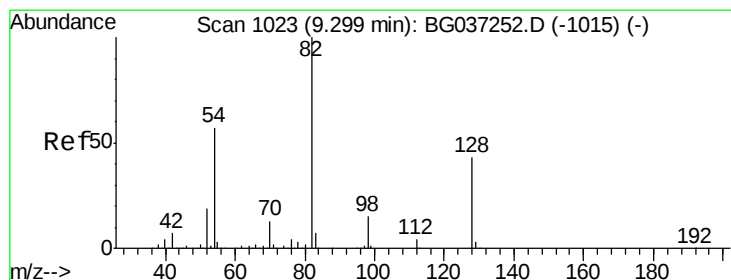
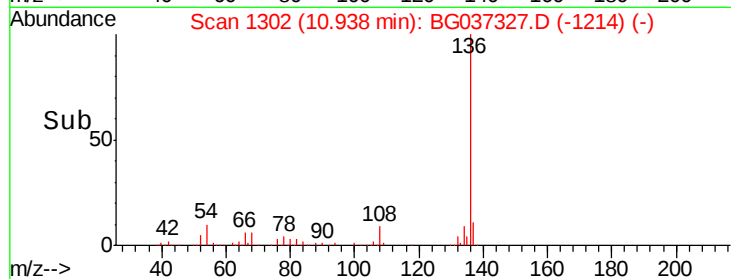
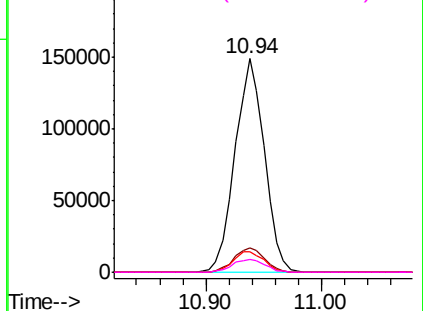
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037327.D
Acq: 13 Oct 2018 15:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	261726
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.6	14.4
54 9.9	7.9	11.9
68 6.2	4.8	7.2

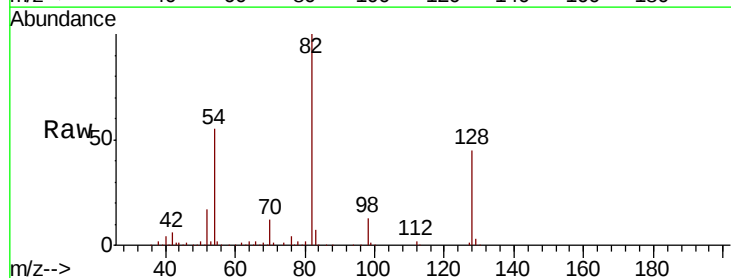


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

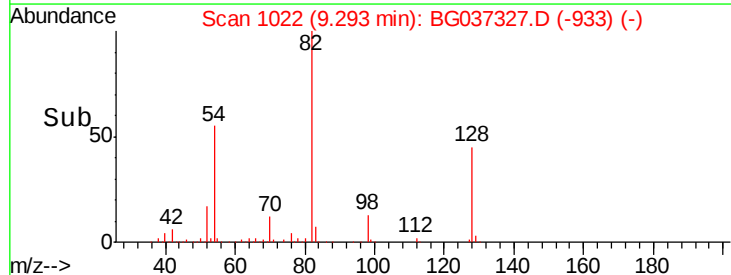
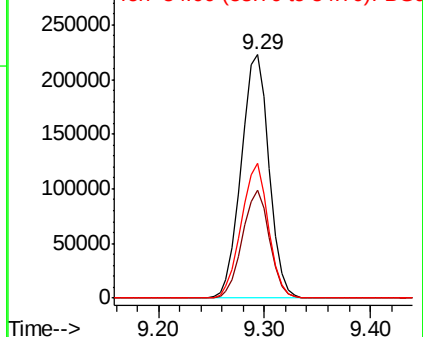


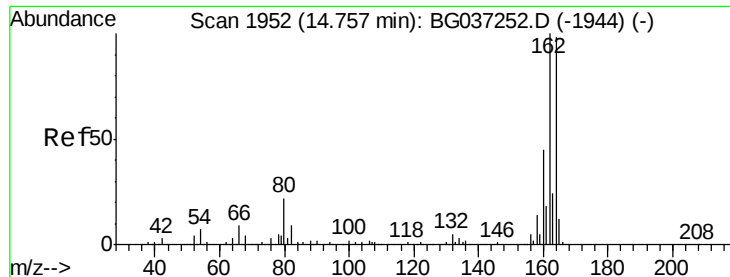
#23
Nitrobenzene-d5
Concen: 102.307 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037327.D
Acq: 13 Oct 2018 15:14

Tgt Ion: 82	Resp: 407279
Ion Ratio	Lower Upper
82 100	
128 44.6	34.6 51.8
54 55.2	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG037327.D

Acq: 13 Oct 2018 15:14

Instrument :

BNA_G

ClientSampleId :

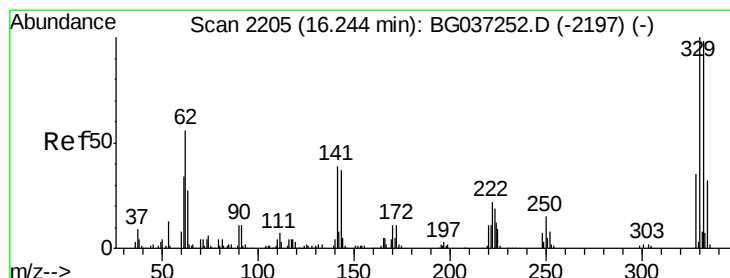
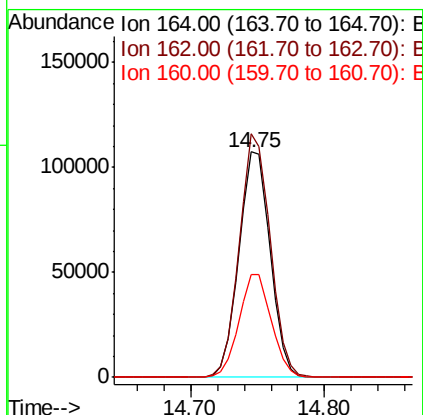
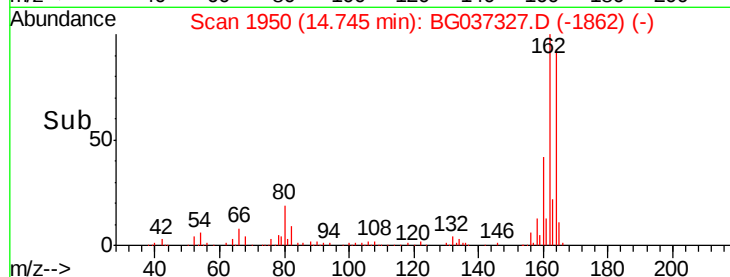
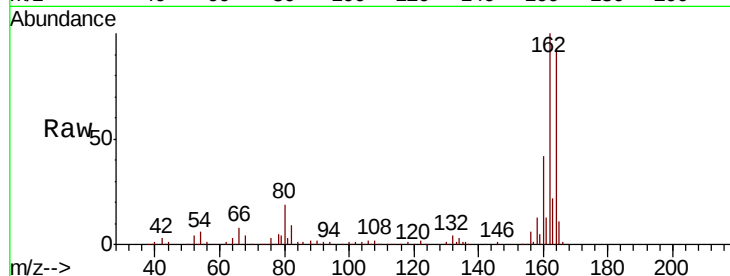
Tot Ion:164 Resp: 173555

Ion Ratio Lower Upper

164 100

162 108.0 81.3 121.9

160 45.7 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 166.373 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037327.D

Acq: 13 Oct 2018 15:14

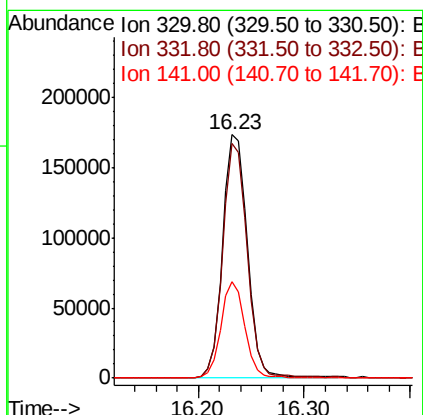
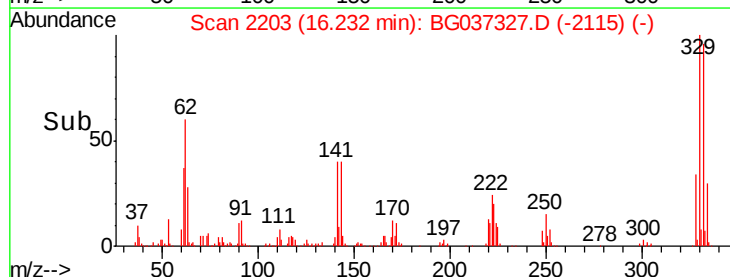
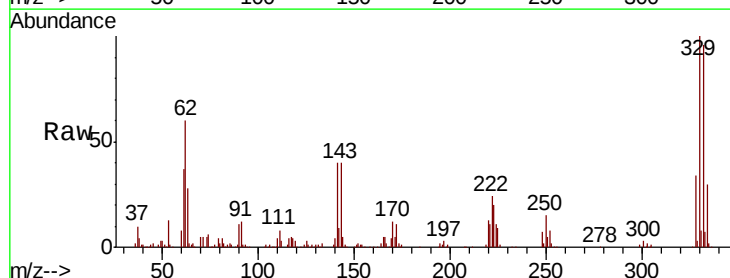
Tgt Ion:330 Resp: 283182

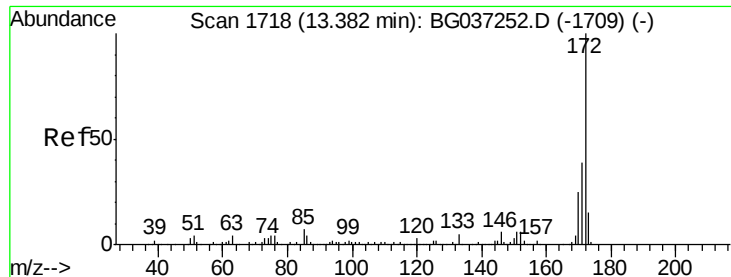
Ion Ratio Lower Upper

330 100

332 94.9 78.4 117.6

141 38.3 32.2 48.2

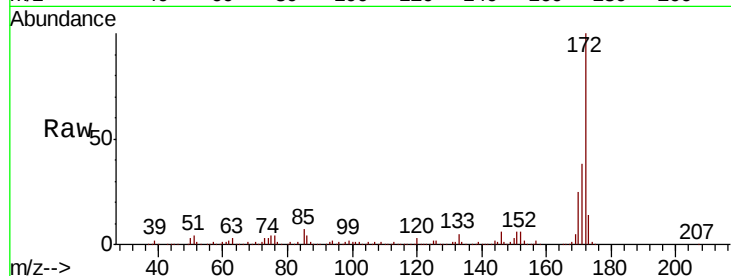




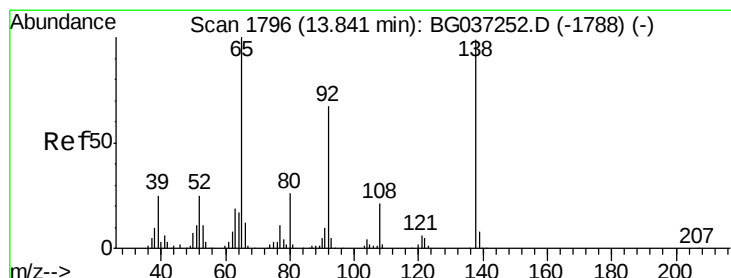
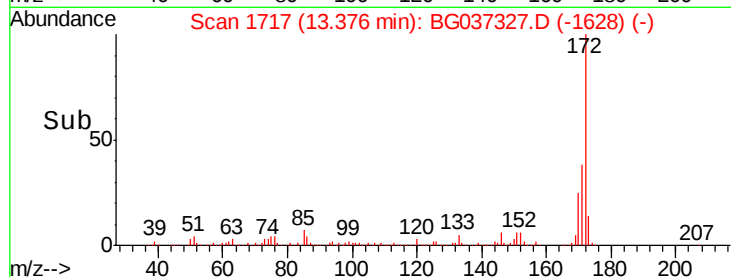
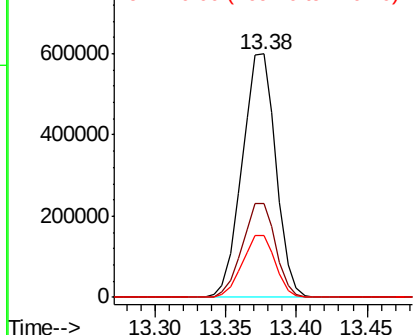
#45
2-Fluorobiphenyl
Concen: 86.644 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BG037327.D
Acq: 13 Oct 2018 15:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1001322
Ion Ratio Lower Upper
172 100
171 38.4 31.0 46.4
170 25.4 20.2 30.2

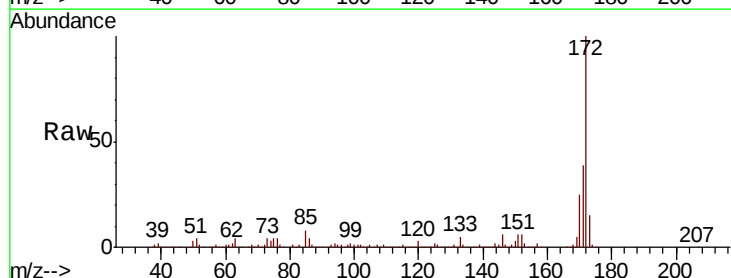


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

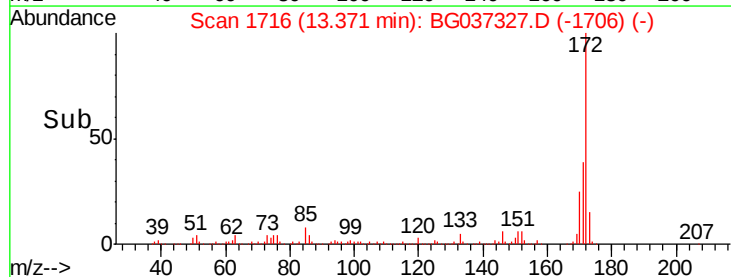
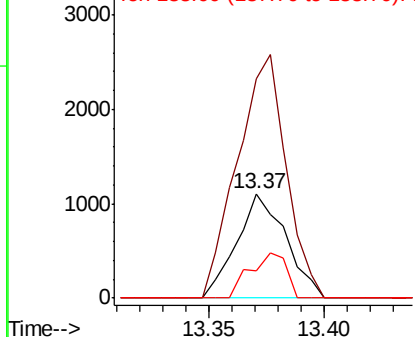


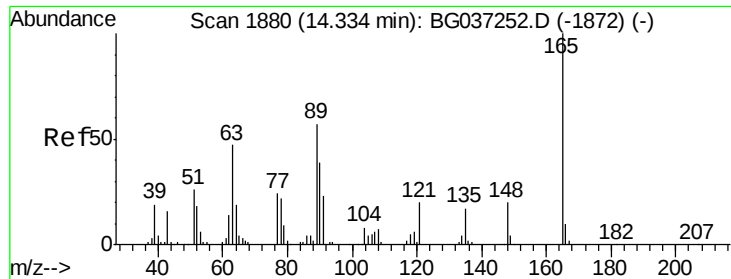
#48
2-Nitroaniline
Concen: 6.248 ng
RT: 13.37 min Scan# 1716
Delta R.T. -0.47 min
Lab File: BG037327.D
Acq: 13 Oct 2018 15:14

Tgt Ion: 65 Resp: 1637
Ion Ratio Lower Upper
65 100
92 209.2 53.2 79.8#
138 26.3 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): E

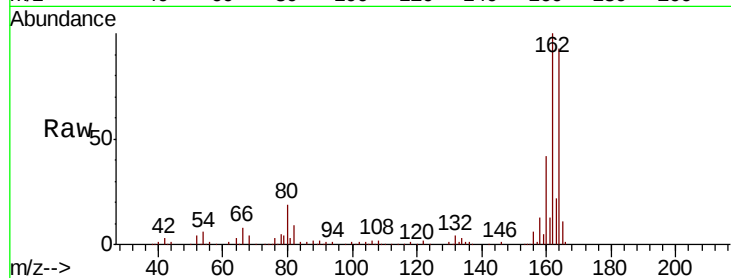




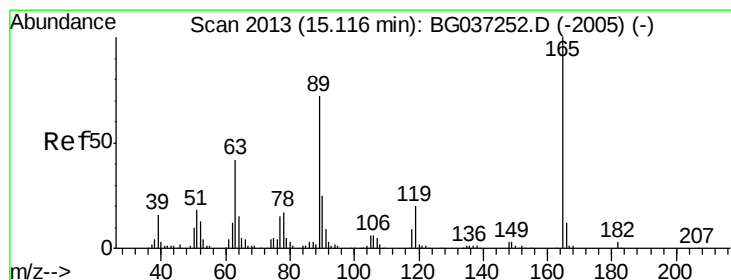
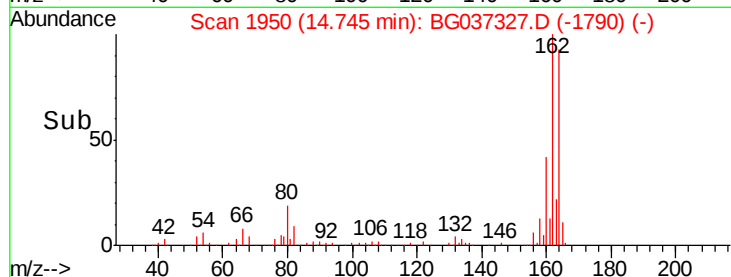
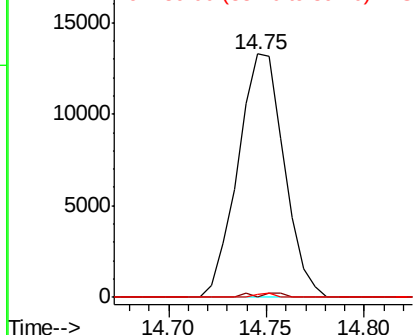
#51
 2,6-Dinitrotoluene
 Concen: 12.196 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037327.D
 Acq: 13 Oct 2018 15:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.5	45.8	68.6#



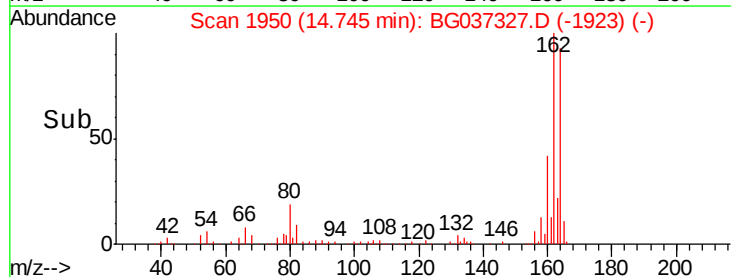
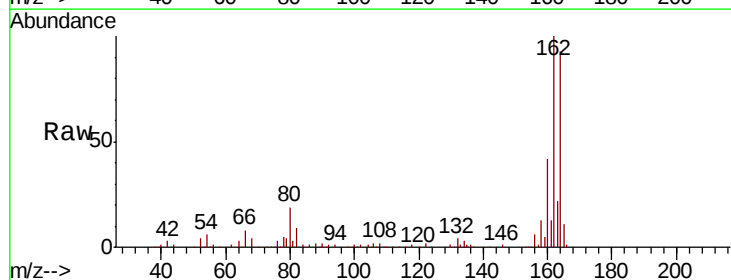
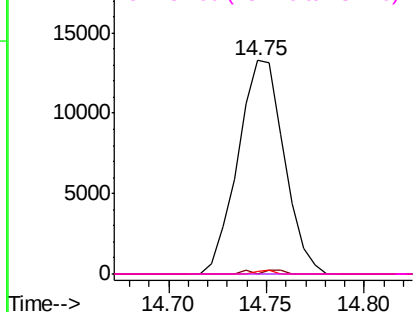
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

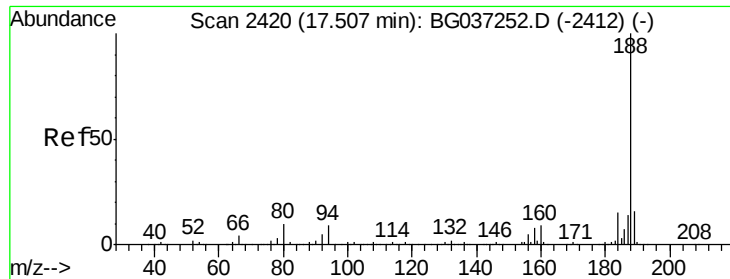


#57
 2,4-Dinitrotoluene
 Concen: 11.097 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037327.D
 Acq: 13 Oct 2018 15:14

Tgt 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

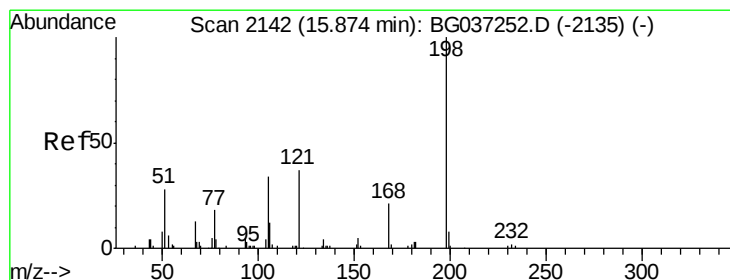
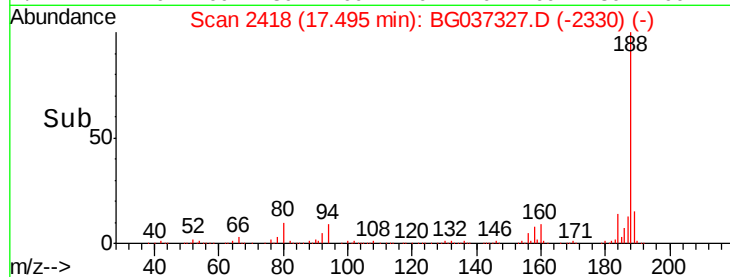
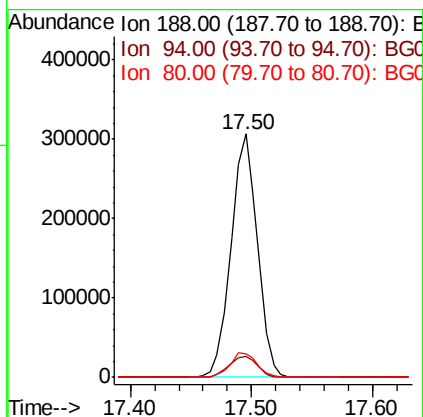
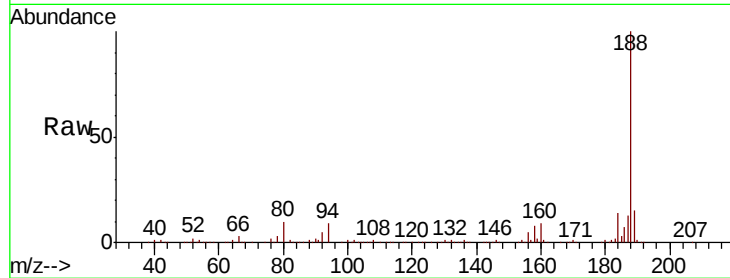




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG037327.D
 Acq: 13 Oct 2018 15:14

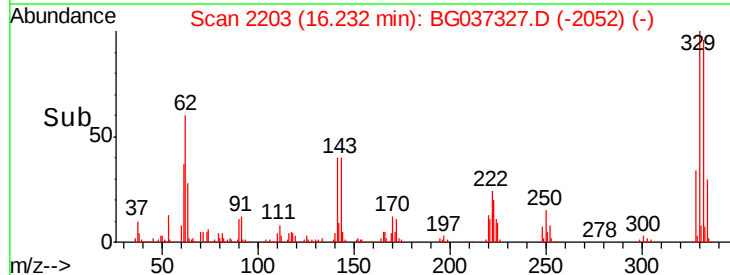
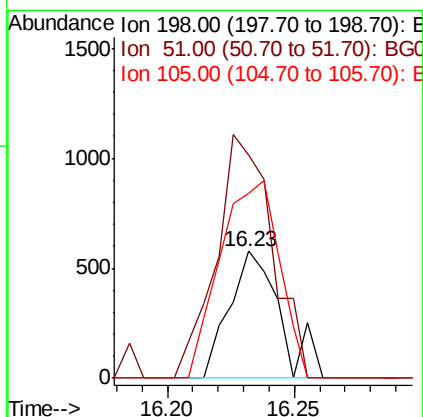
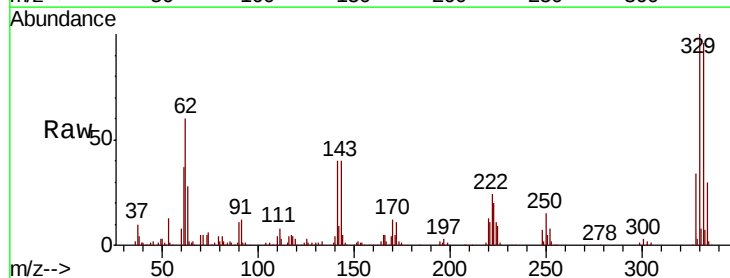
Instrument :
 BNA_G
 ClientSampleId :

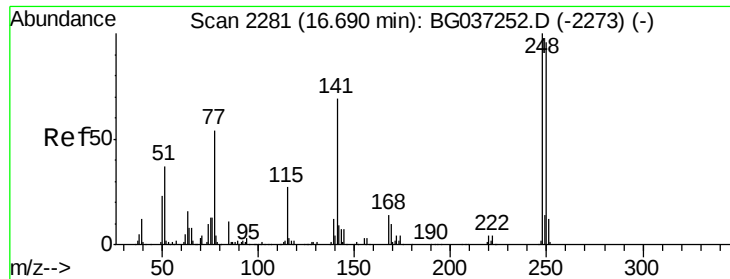
Tot Ion:188 Resp: 465638
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.2 10.8
 80 9.6 7.7 11.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.425 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG037327.D
 Acq: 13 Oct 2018 15:14

Tgt Ion:198 Resp: 797
 Ion Ratio Lower Upper
 198 100
 51 33.1 22.7 62.7
 105 27.3 19.7 59.7

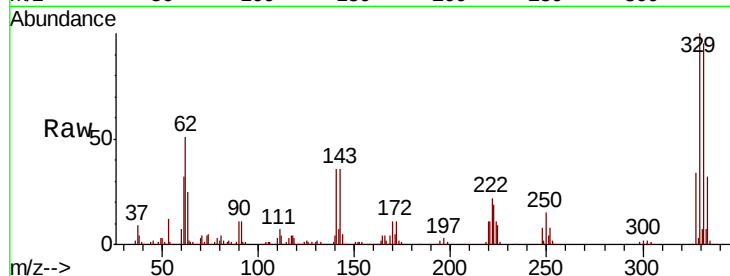




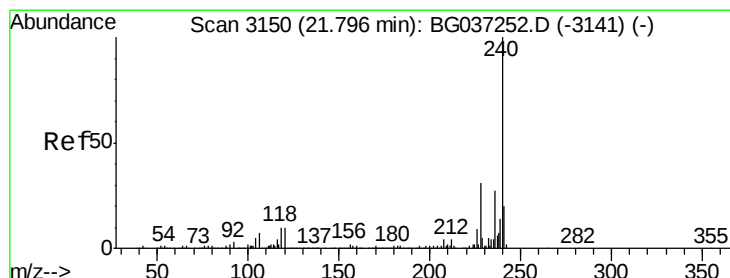
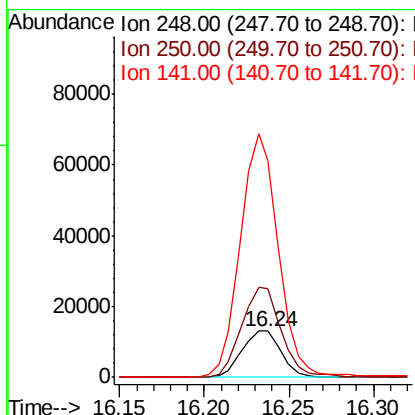
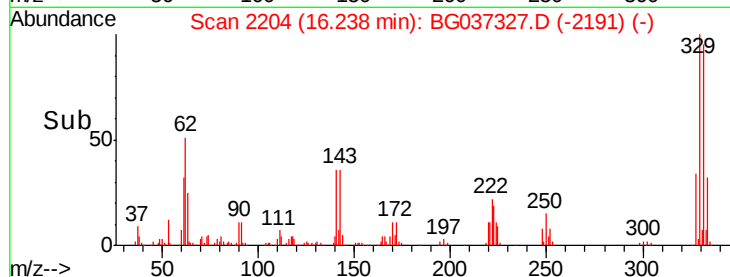
#67
 4-Bromophenyl-phenylether
 Concen: 4.194 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037327.D
 Acq: 13 Oct 2018 15:14

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 21076
 Ion Ratio Lower Upper
 248 100
 250 190.3 77.0 115.6#
 141 361.7 55.5 83.3#

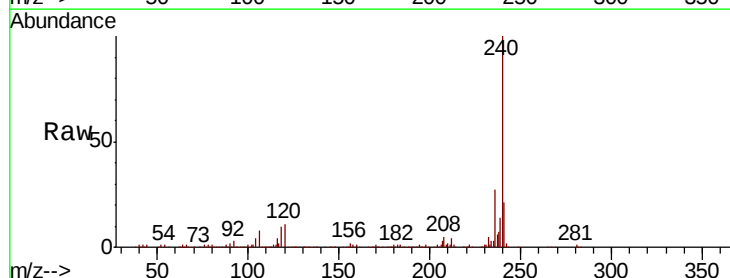


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

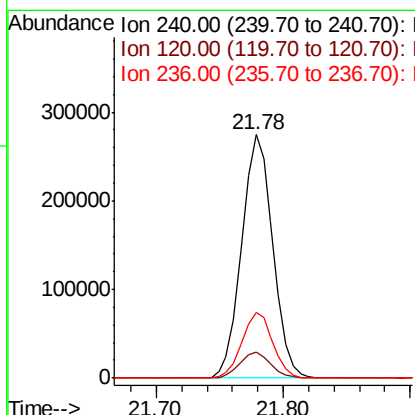
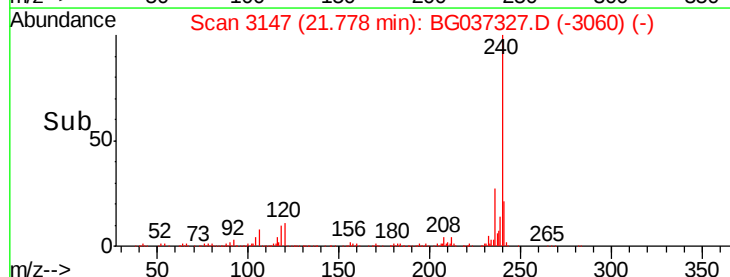


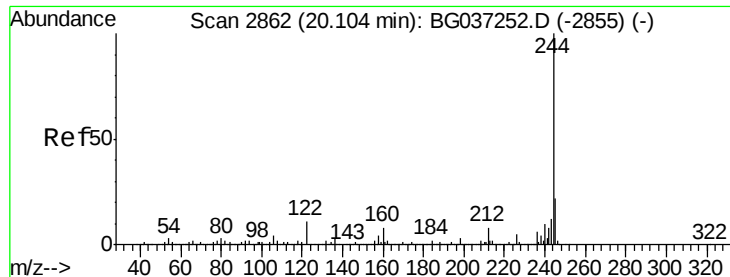
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3147
 Delta R.T. -0.02 min
 Lab File: BG037327.D
 Acq: 13 Oct 2018 15:14

Tgt Ion:240 Resp: 466160
 Ion Ratio Lower Upper
 240 100
 120 10.6 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





#79

Terphenyl-d14

Concen: 80.136 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG037327.D

Acq: 13 Oct 2018 15:14

Instrument :

BNA_G

ClientSampleId :

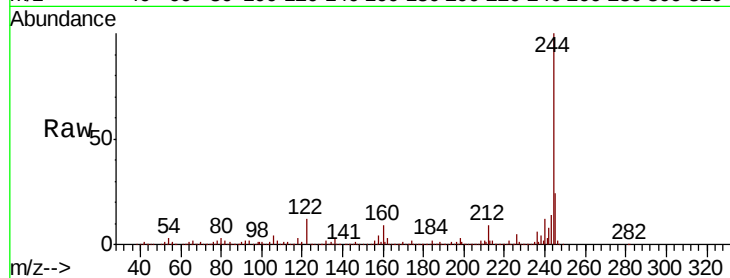
Tot Ion:244 Resp: 1779086

Ion Ratio Lower Upper

244 100

212 9.0 6.5 9.7

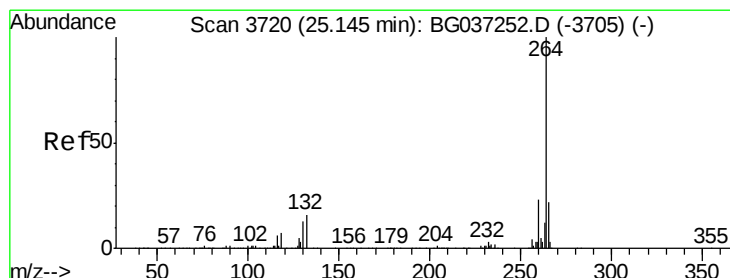
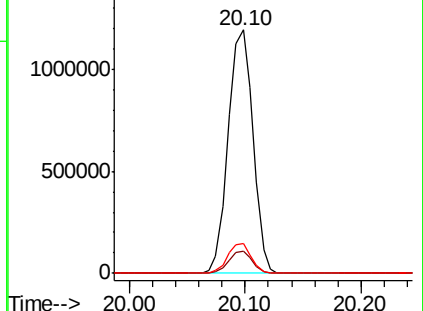
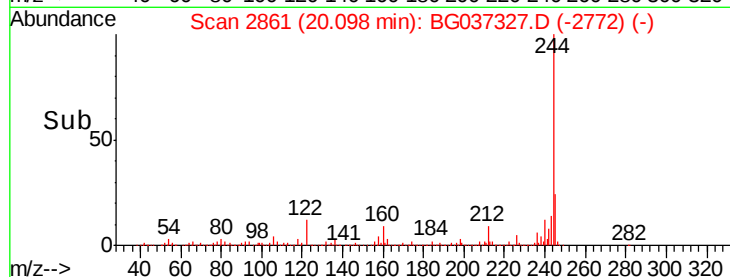
122 12.2 9.0 13.4



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: 25.12 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG037327.D

Acq: 13 Oct 2018 15:14

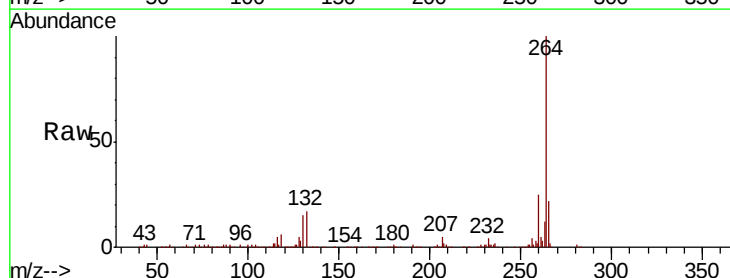
Tgt Ion:264 Resp: 466471

Ion Ratio Lower Upper

264 100

260 24.7 18.2 27.4

265 22.5 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

