

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG037014.D
 Acq On : 27 Sep 2018 12:40
 Operator : JU/SJ
 Sample : J4773-20
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 15:42:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

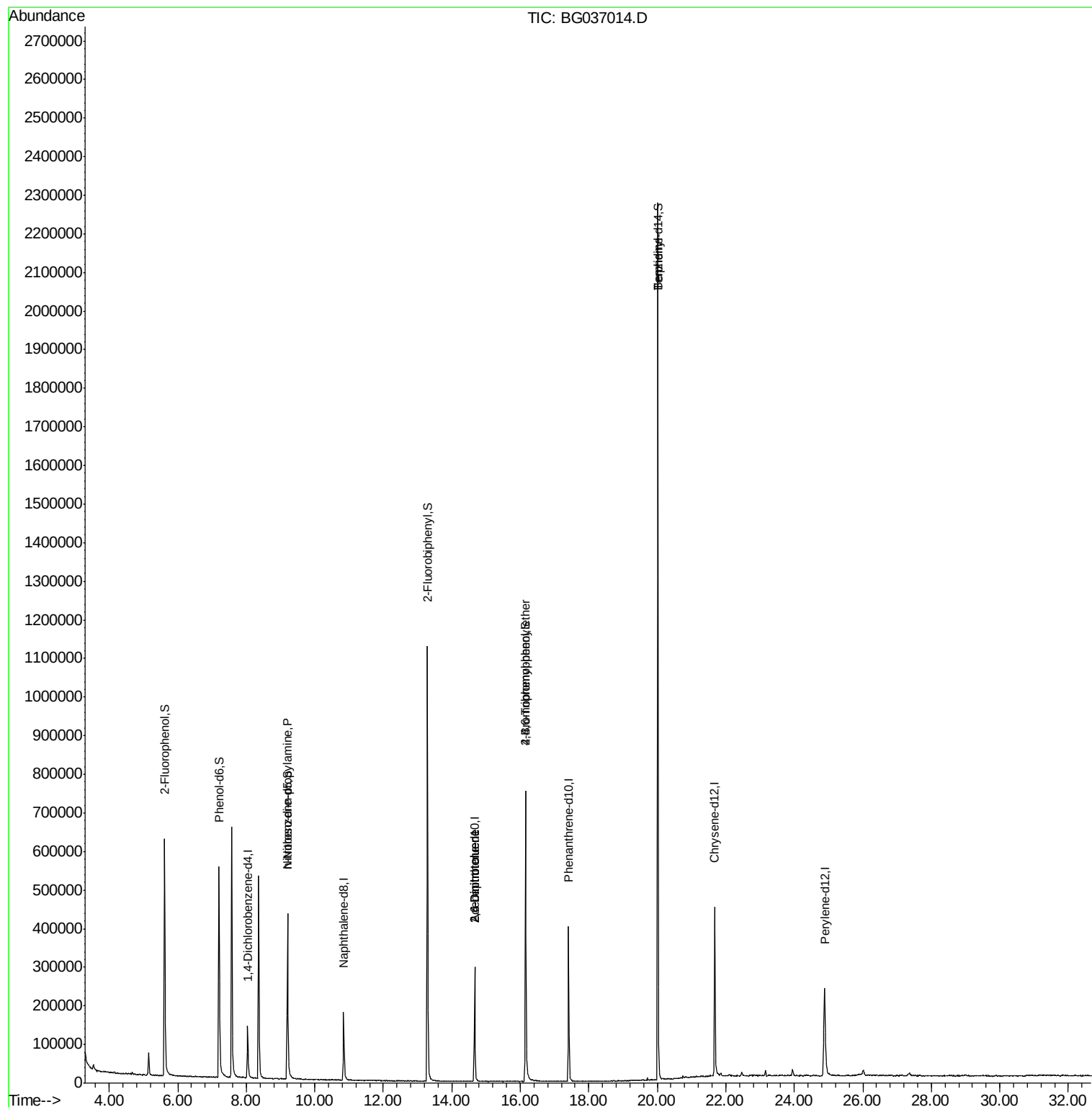
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42630	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	176030	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	113149	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	277917	20.00	ng	0.00
75) Chrysene-d12	21.68	240	292195	20.00	ng	-0.01
86) Perylene-d12	24.88	264	286200	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	287124	129.17	ng	0.00
7) Phenol-d6	7.20	99	355048	103.24	ng	-0.01
23) Nitrobenzene-d5	9.20	82	309167	94.05	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	150604	111.25	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	630059	82.94	ng	-0.01
78) Terphenyl-d14	20.02	244	1096223	98.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	40225	14.060	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	14300	7.196	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	14300	5.157	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	10396	3.289	ng	# 1
76) Benzidine	20.01	184	19539	2.212	ng	# 92

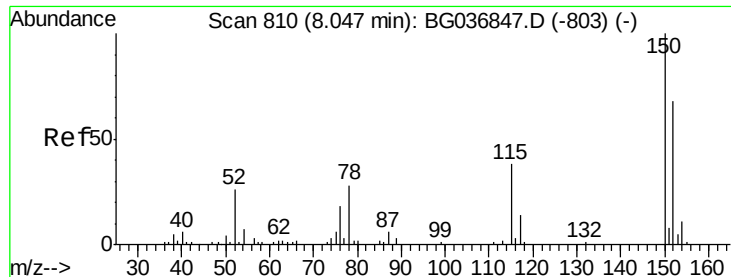
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.01 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

Instrument :

BNA_G

ClientSampleId :

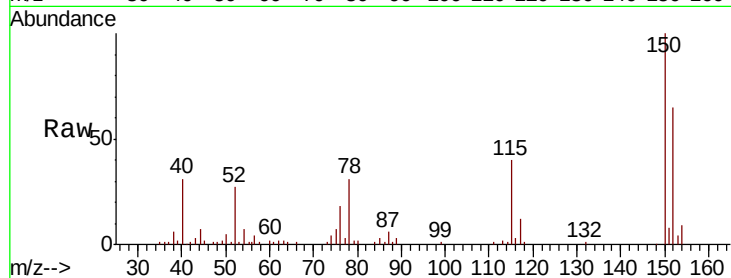
Tot Ion:152 Resp: 42630

Ion Ratio Lower Upper

152 100

150 154.5 119.5 179.3

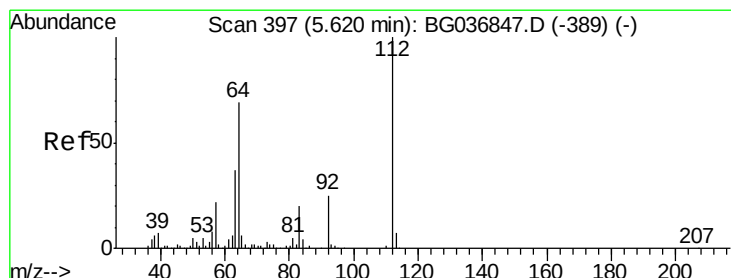
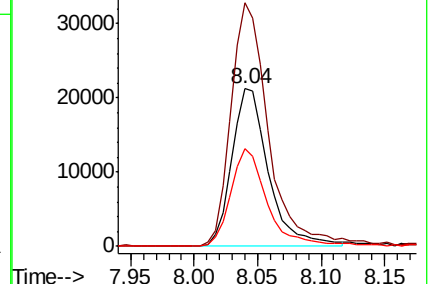
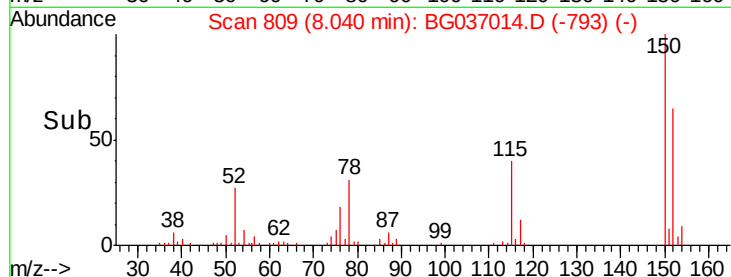
115 61.8 44.5 66.7



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: 129.168 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

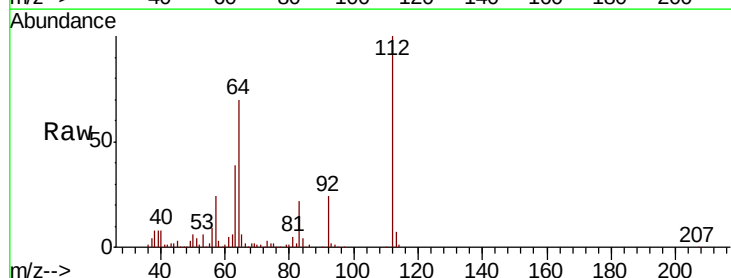
Tgt Ion:112 Resp: 287124

Ion Ratio Lower Upper

112 100

64 70.2 57.2 85.8

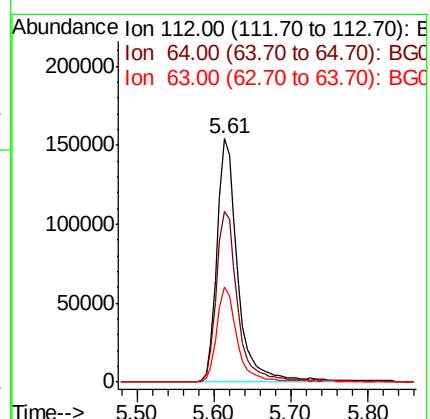
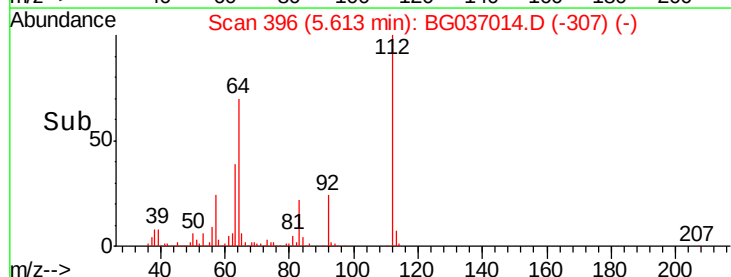
63 38.8 30.8 46.2

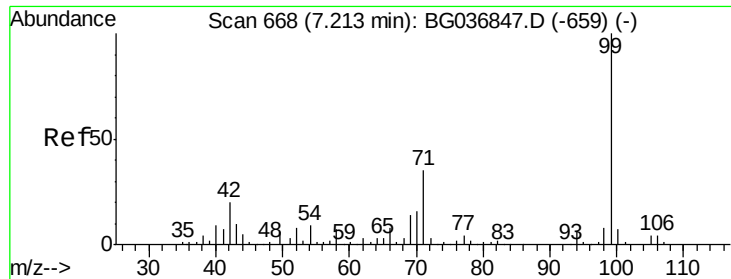


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 103.236 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

Instrument :

BNA_G

ClientSampleId :

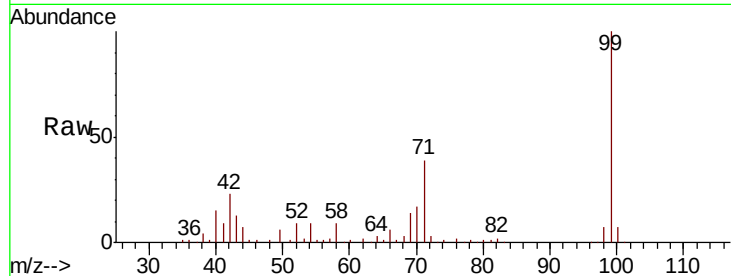
Tot Ion: 99 Resp: 355048

Ion Ratio Lower Upper

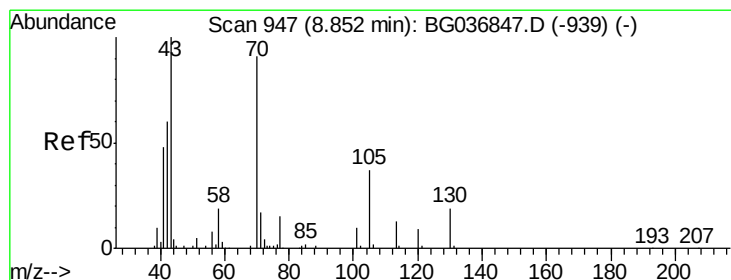
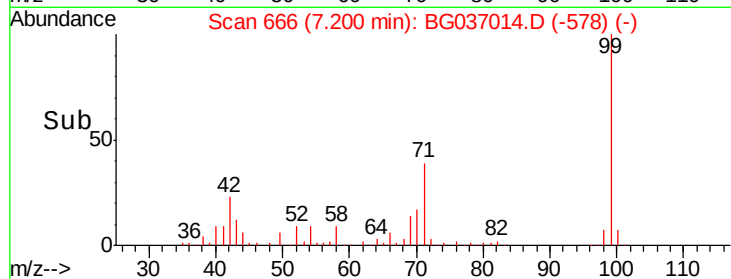
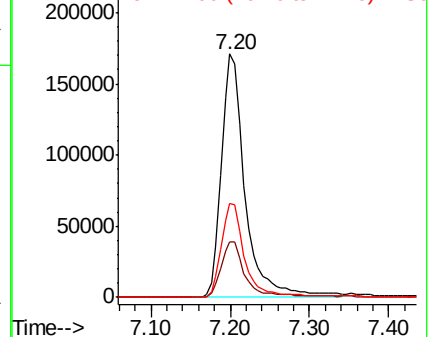
99 100

42 22.9 16.5 24.7

71 38.8 29.4 44.2



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: 14.060 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

Tgt Ion: 70 Resp: 40225

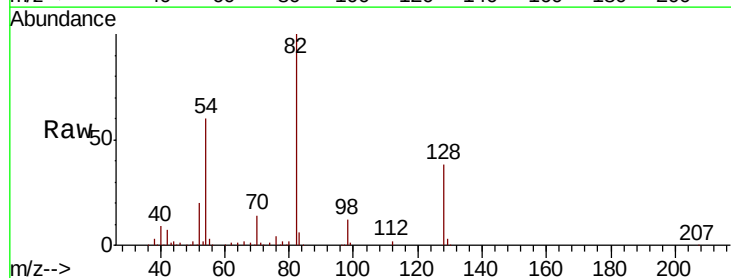
Ion Ratio Lower Upper

70 100

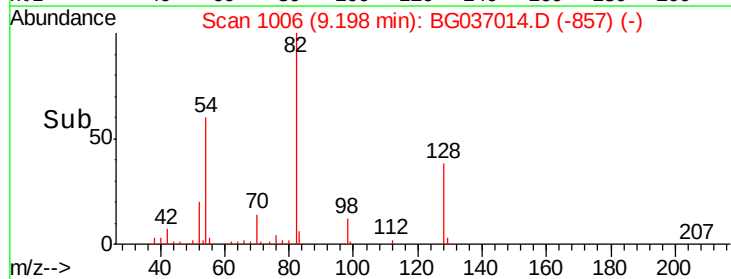
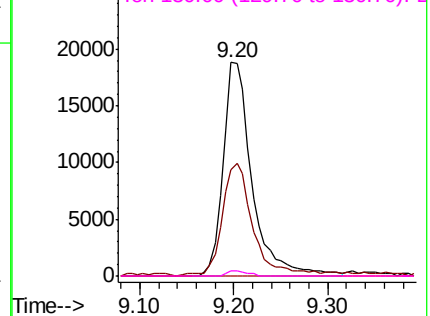
42 50.0 56.2 84.4#

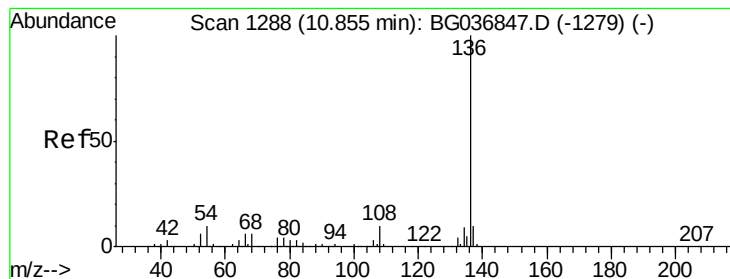
101 0.0 7.8 11.6#

130 2.2 16.2 24.2#



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: 10.84 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 176030

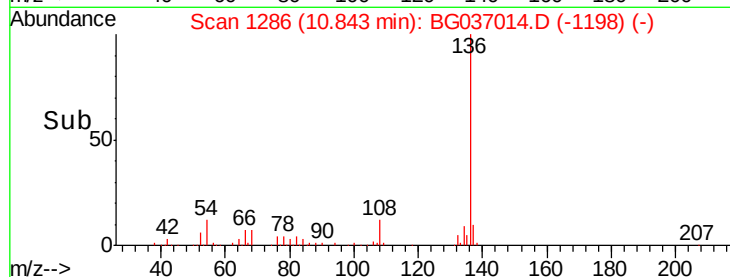
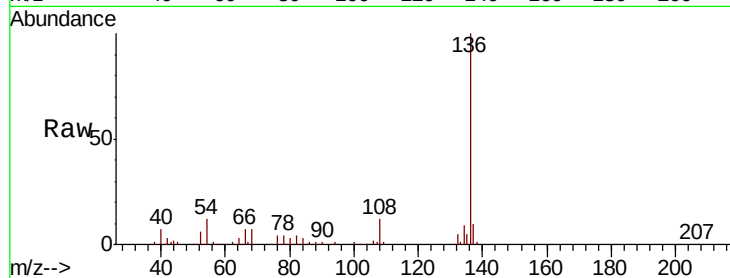
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 11.7 9.2 13.8

68 6.6 5.8 8.6

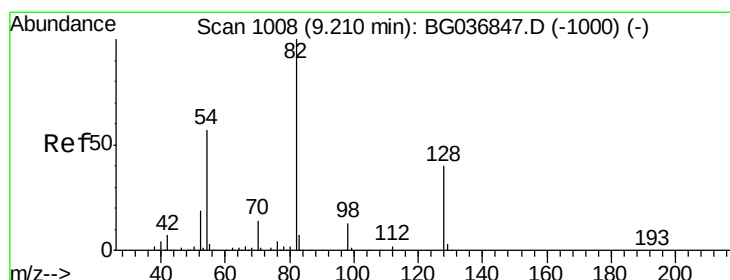
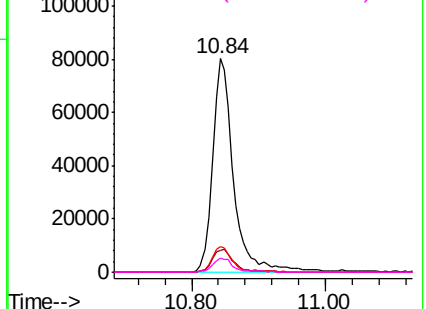


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.053 ng

RT: 9.20 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

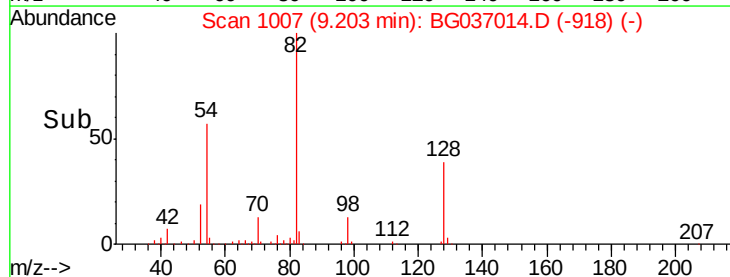
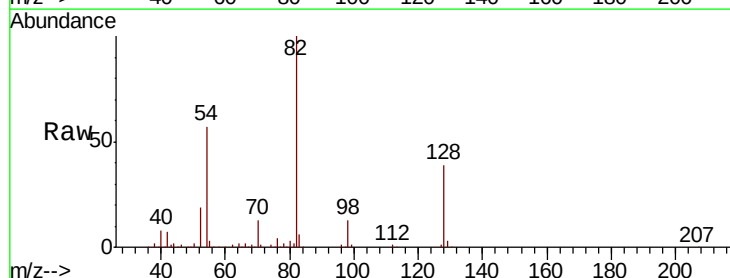
Tgt Ion: 82 Resp: 309167

Ion Ratio Lower Upper

82 100

128 39.1 33.3 49.9

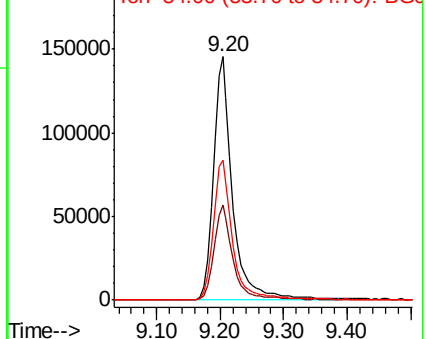
54 57.4 45.1 67.7

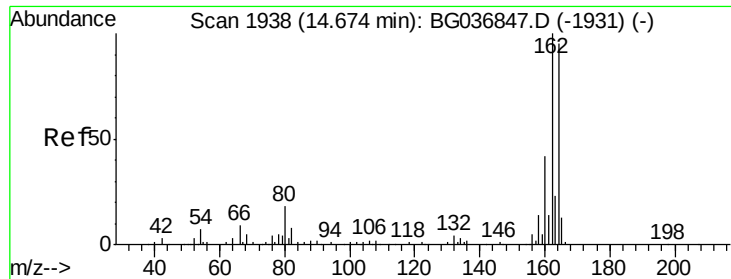


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

Instrument :

BNA_G

ClientSampleId :

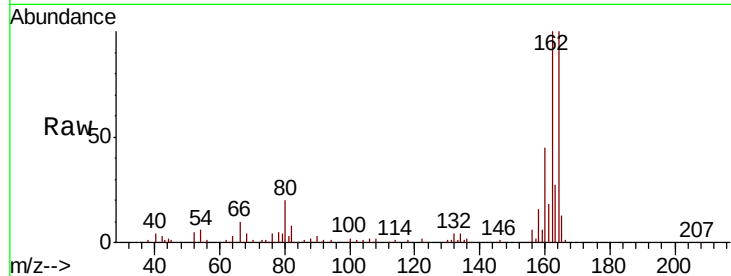
Tot Ion:164 Resp: 113149

Ion Ratio Lower Upper

164 100

162 100.4 80.7 121.1

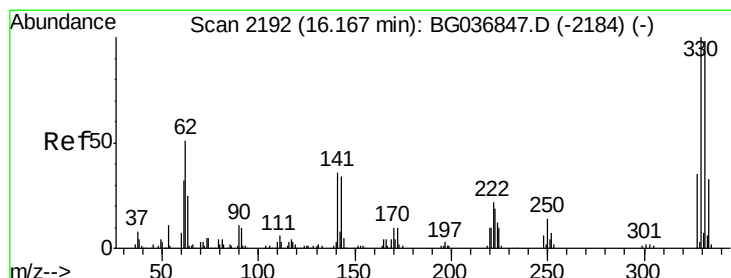
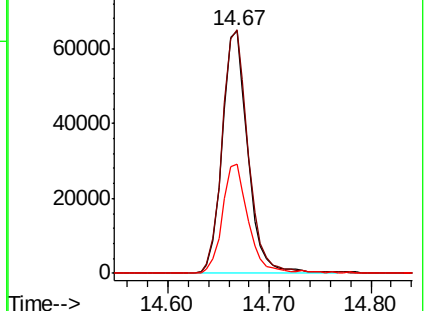
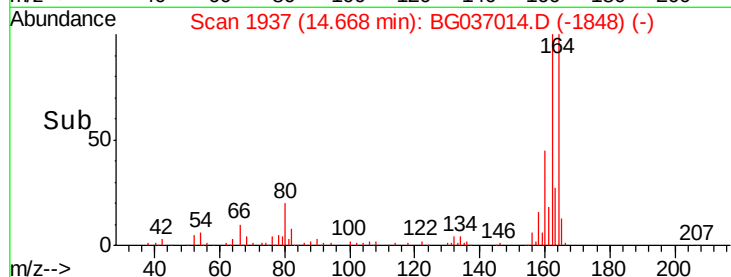
160 45.0 35.3 52.9



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



#41

2,4,6-Tribromophenol

Concen: 111.249 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037014.D

Acq: 27 Sep 2018 12:40

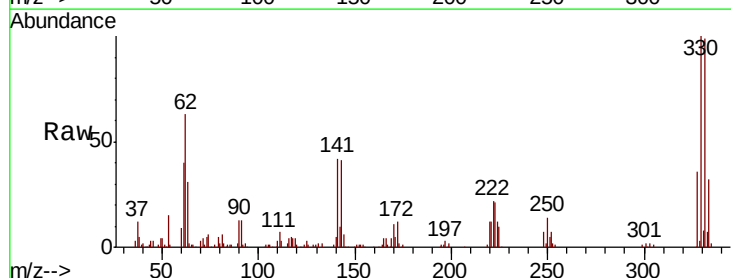
Tgt Ion:330 Resp: 150604

Ion Ratio Lower Upper

330 100

332 96.7 75.4 113.2

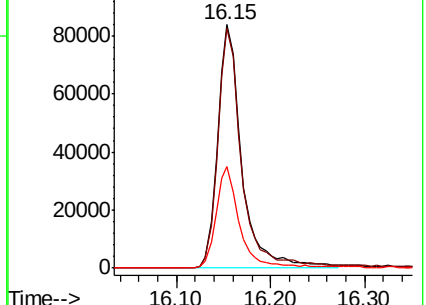
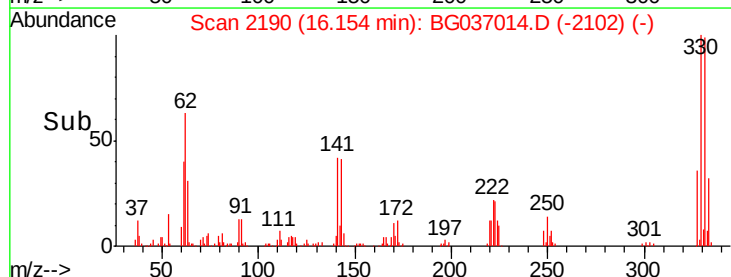
141 39.9 30.7 46.1

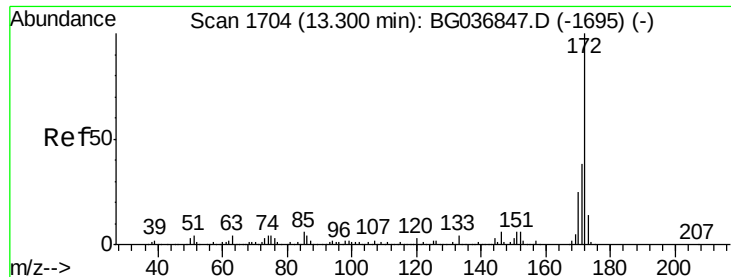


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

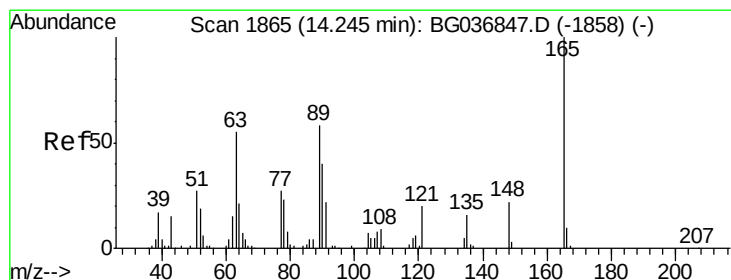
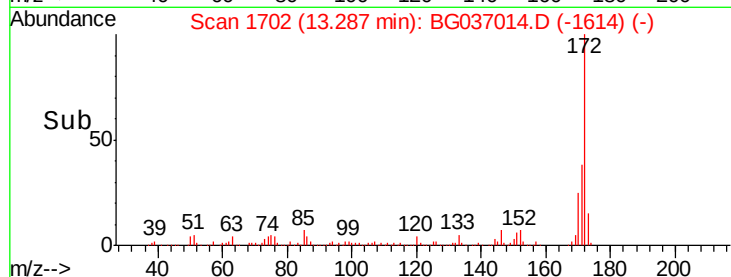
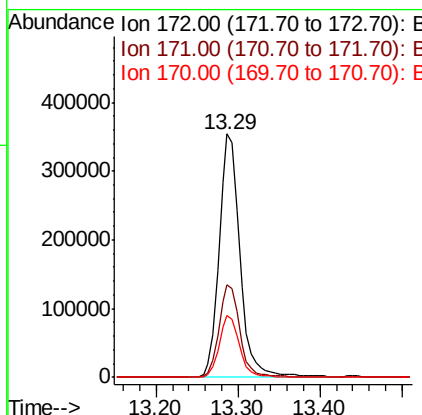
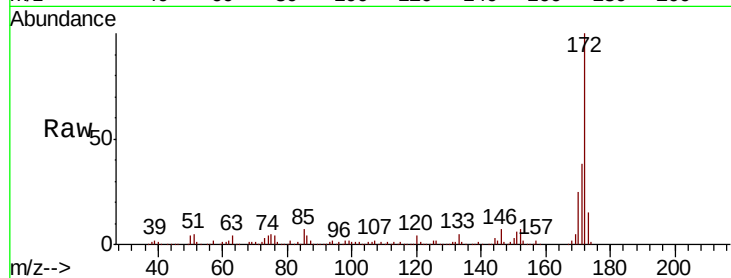




#44
 2-Fluorobiphenyl
 Concen: 82.935 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037014.D
 Acq: 27 Sep 2018 12:40

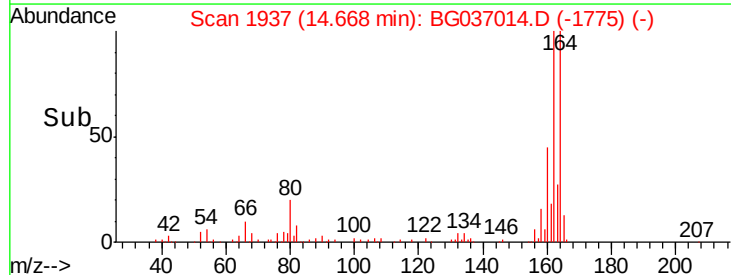
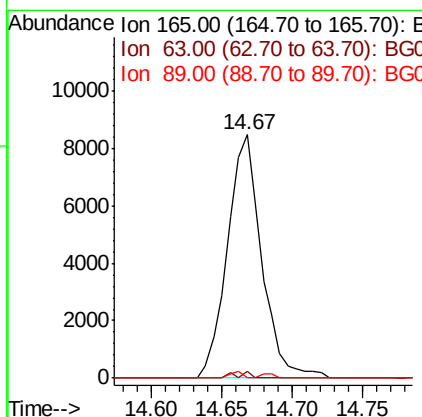
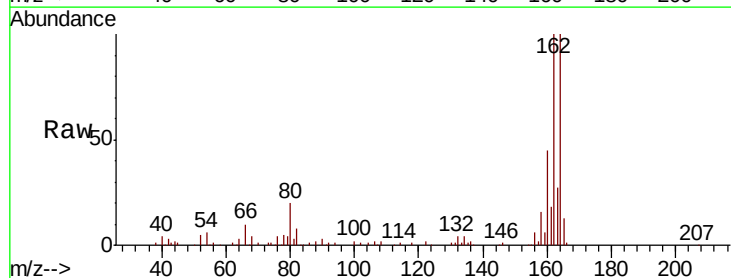
Instrument :
 BNA_G
 ClientSampleId :

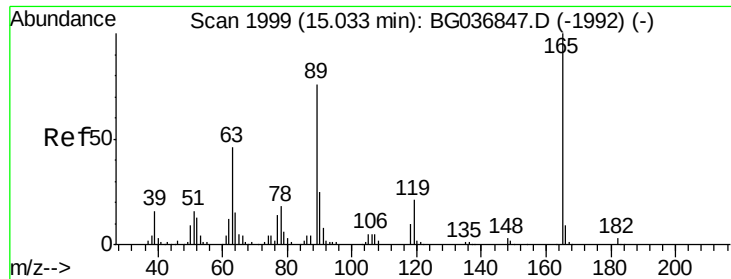
Tot Ion:172 Resp: 630059
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.3 46.9
 170 25.4 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.196 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG037014.D
 Acq: 27 Sep 2018 12:40

Tgt Ion:165 Resp: 14300
 Ion Ratio Lower Upper
 165 100
 63 3.0 50.1 75.1#
 89 0.0 47.8 71.6#

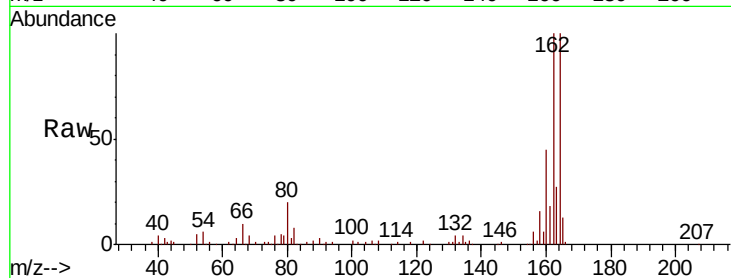




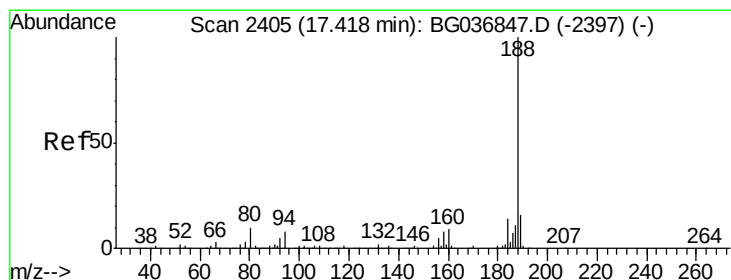
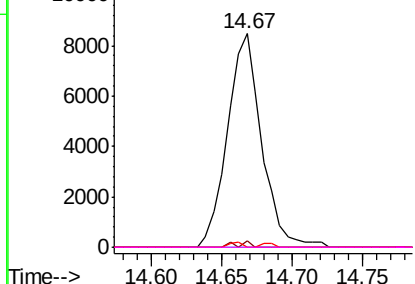
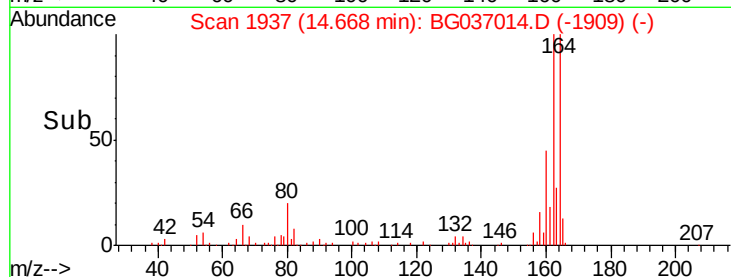
#56
 2,4-Dinitrotoluene
 Concen: 5.157 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG037014.D
 Acq: 27 Sep 2018 12:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14300
 Ion Ratio Lower Upper
 165 100
 63 3.0 40.1 60.1#
 89 0.0 63.7 95.5#
 182 0.0 2.5 3.7#

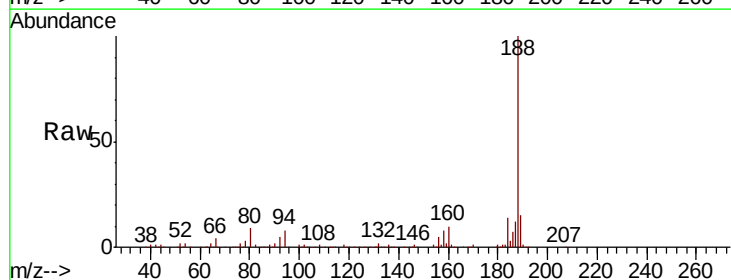


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

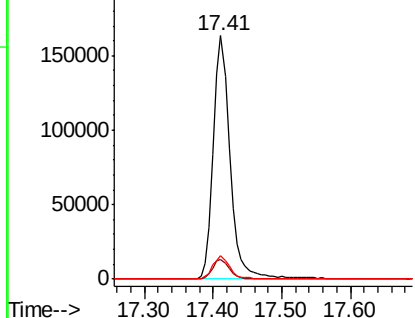
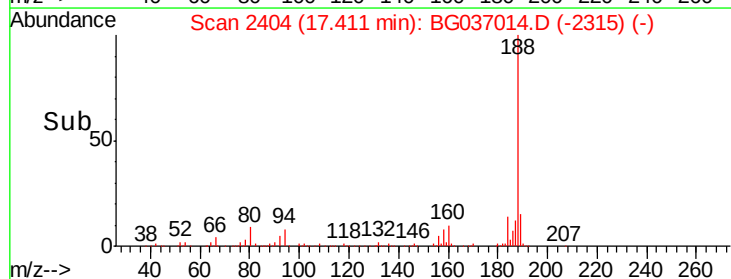


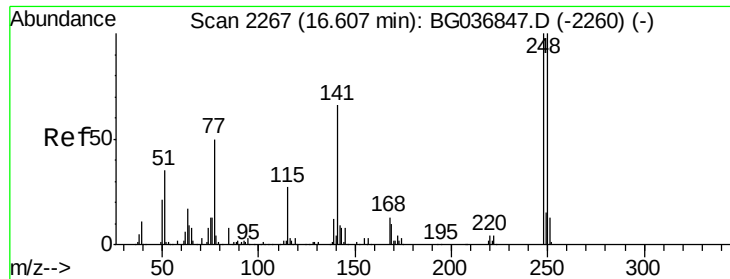
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG037014.D
 Acq: 27 Sep 2018 12:40

Tgt Ion:188 Resp: 277917
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.7 10.1
 80 9.5 8.1 12.1



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

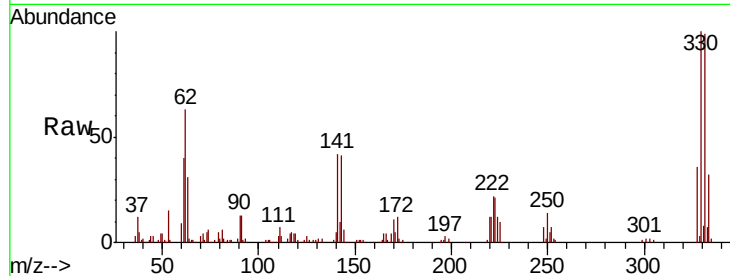




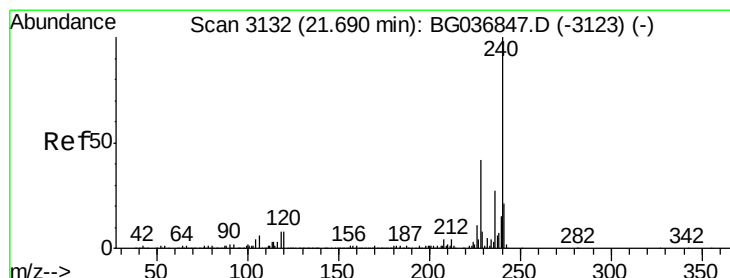
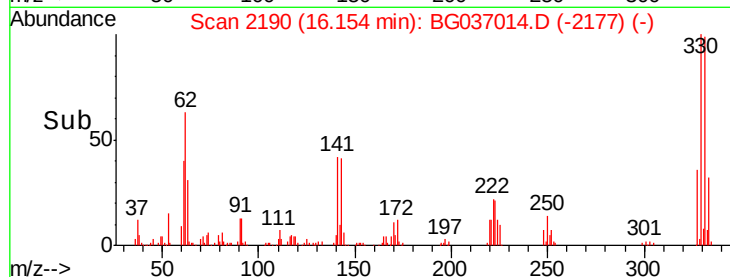
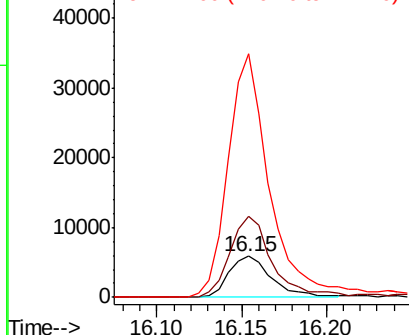
#66
4-Bromophenyl-phenylether
Concen: 3.289 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG037014.D
Acq: 27 Sep 2018 12:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10396
Ion Ratio Lower Upper
248 100
250 195.6 78.1 117.1#
141 589.1 53.7 80.5#

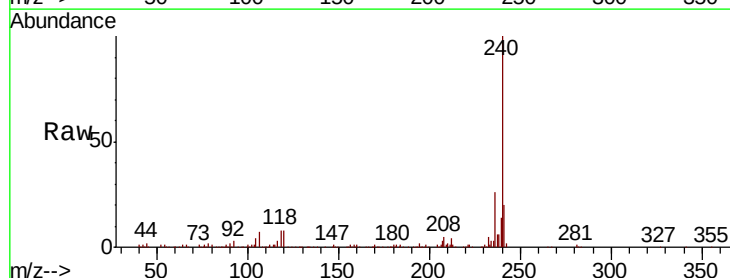


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

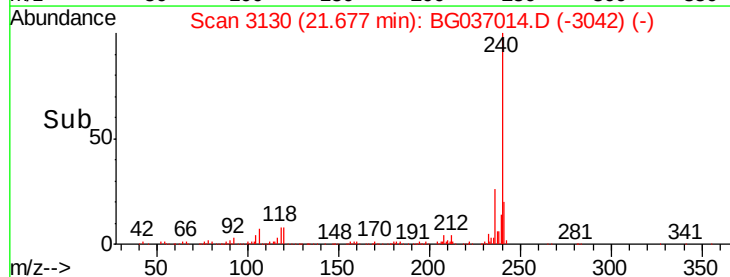
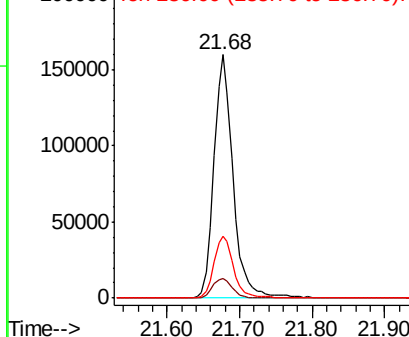


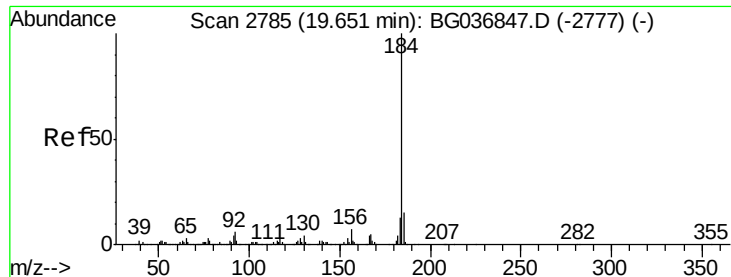
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG037014.D
Acq: 27 Sep 2018 12:40

Tgt Ion:240 Resp: 292195
Ion Ratio Lower Upper
240 100
120 8.1 6.9 10.3
236 25.6 21.2 31.8



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

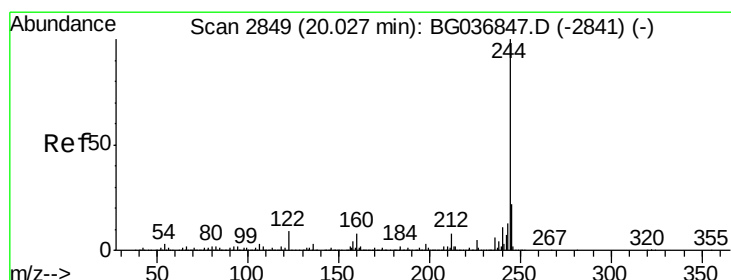
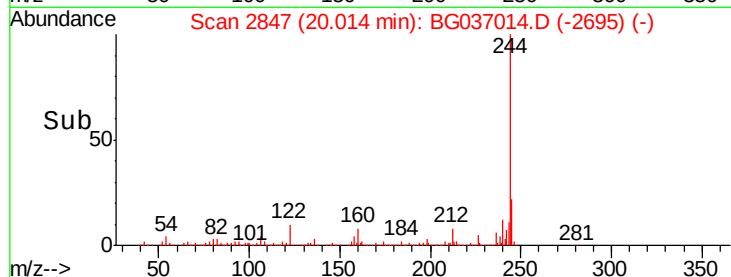
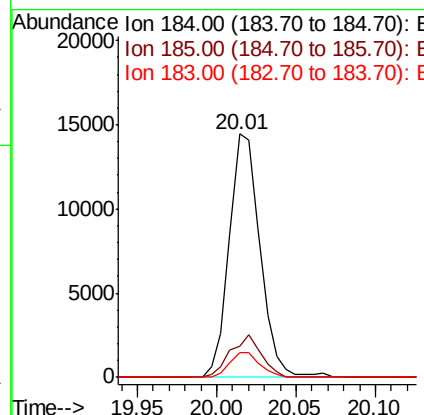
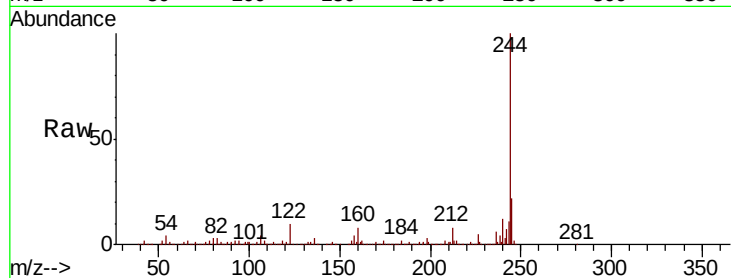




#76
Benzidine
Concen: 2.212 ng
RT: 20.01 min Scan# 2847
Delta R.T. 0.36 min
Lab File: BG037014.D
Acq: 27 Sep 2018 12:40

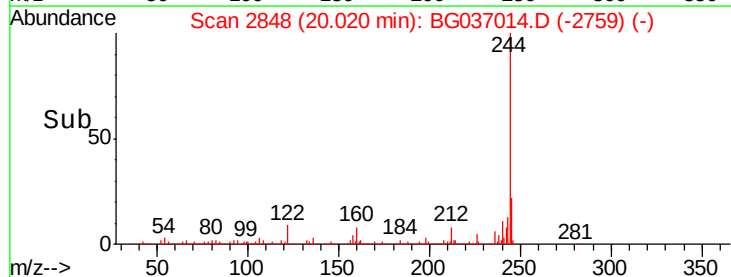
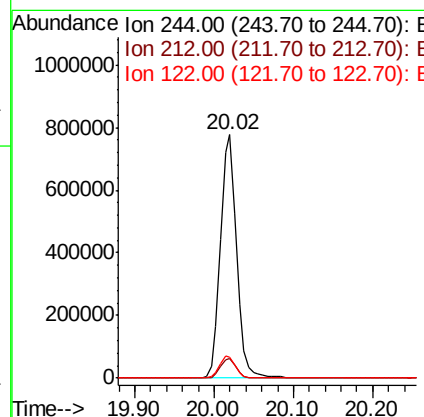
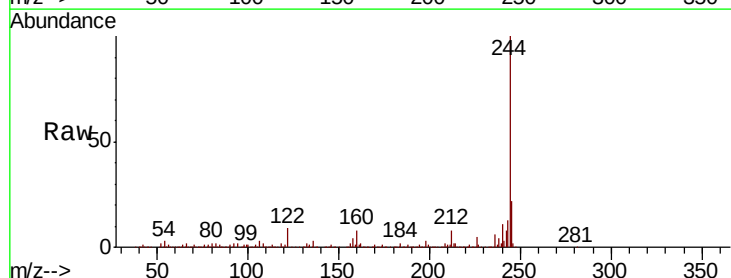
Instrument :
BNA_G
ClientSampleId :

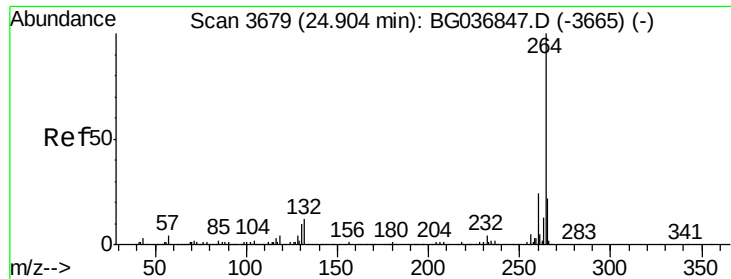
Tot Ion	Ratio	Lower	Upper
184	100		
185	12.9	12.6	18.8
183	10.1	10.9	16.3



#78
Terphenyl-d14
Concen: 98.650 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG037014.D
Acq: 27 Sep 2018 12:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.0	10.6
122	8.8	7.1	10.7





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG037014.D
Acq: 27 Sep 2018 12:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.3	17.4	26.0

