

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037591.D
 Acq On : 26 Oct 2018 21:46
 Operator : JU/SJ
 Sample : J5662-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 102318-DBRI-F-D-M

Quant Time: Oct 27 03:40:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

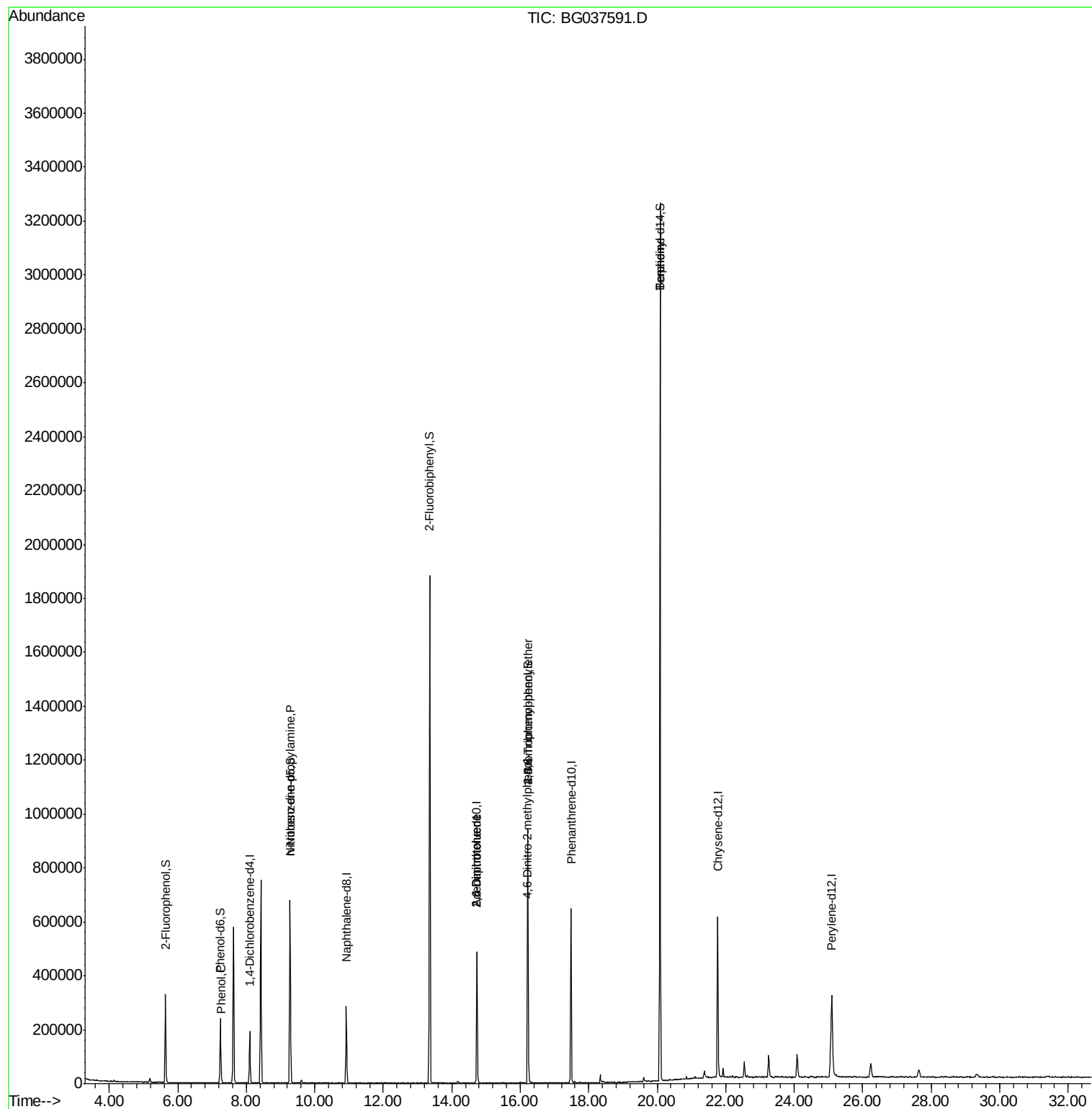
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	57549	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	252608	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	170168	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	412659	20.00	ng	0.00
76) Chrysene-d12	21.77	240	372798	20.00	ng	0.00
87) Perylene-d12	25.10	264	369527	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	155511	45.18	ng	0.00
7) Phenol-d6	7.24	99	152455	29.29	ng	0.00
23) Nitrobenzene-d5	9.28	82	426842	94.66	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	172422	92.90	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1013204	89.79	ng	0.00
79) Terphenyl-d14	20.08	244	1527054	87.53	ng	0.00
Target Compounds						
10) Phenol	7.27	94	18683	3.402	ng	95
19) n-Nitroso-di-n-propylamine	9.28	70	54840	15.300	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	22255	7.642	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	22255	5.822	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.20	198	587	8.731	ng	# 56
67) 4-Bromophenyl-phenylether	16.22	248	12493	2.757	ng	# 1
77) Benzidine	20.08	184	25837	2.038	ng	# 96

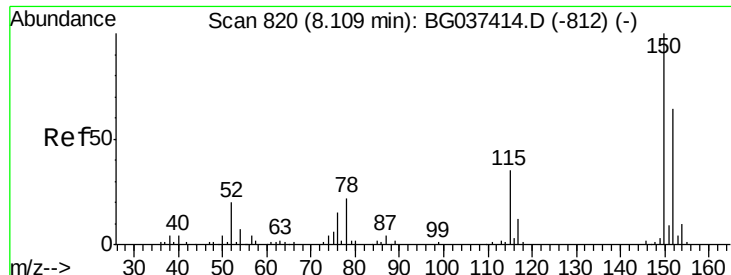
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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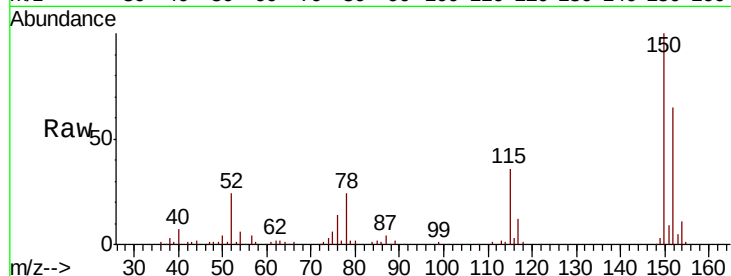


#1

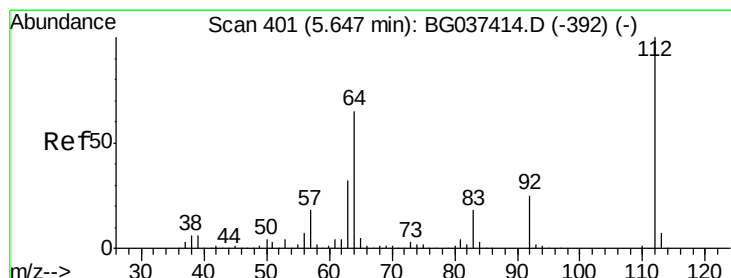
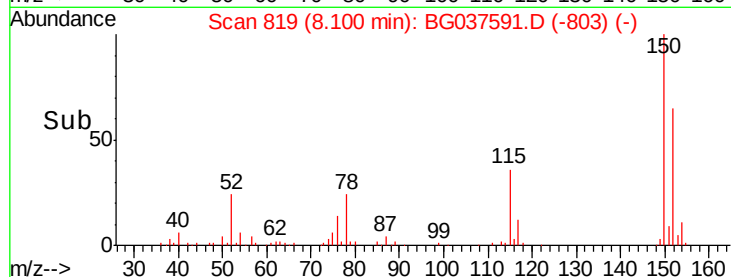
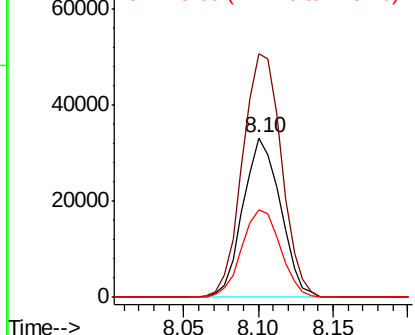
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037591.D
Acq: 26 Oct 2018 21:46

Instrument :
BNA_G
ClientSampleId :
102318-DBRI-F-D-M

Tot Ion:152 Resp: 57549
Ion Ratio Lower Upper
152 100
150 152.9 126.0 189.0
115 55.0 45.5 68.3



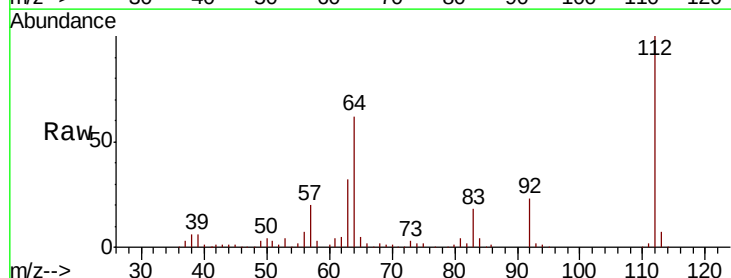
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



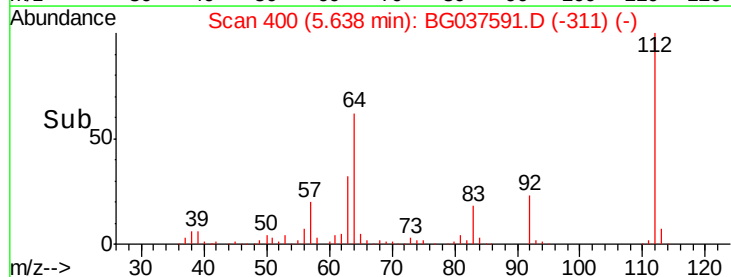
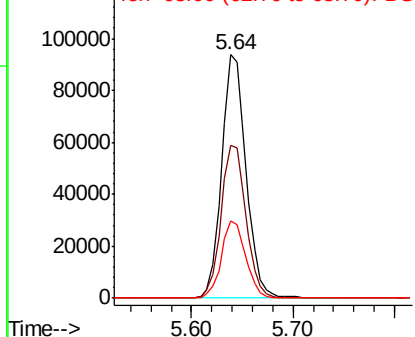
#5

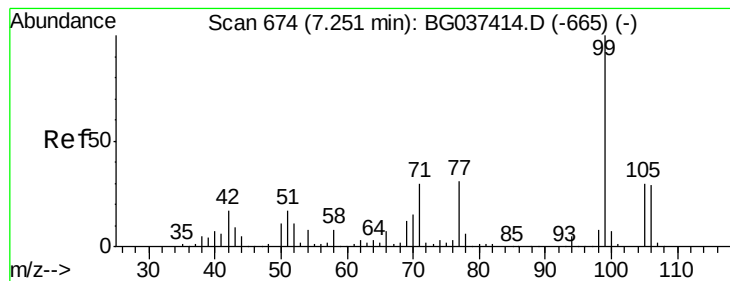
2-Fluorophenol
Concen: 45.177 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037591.D
Acq: 26 Oct 2018 21:46

Tgt Ion:112 Resp: 155511
Ion Ratio Lower Upper
112 100
64 62.5 53.1 79.7
63 31.6 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: 29.290 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

Instrument :

BNA_G

ClientSampleId :

102318-DBRI-F-D-M

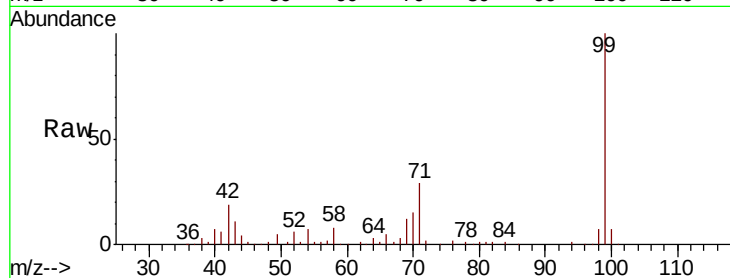
Tot Ion: 99 Resp: 152455

Ion Ratio Lower Upper

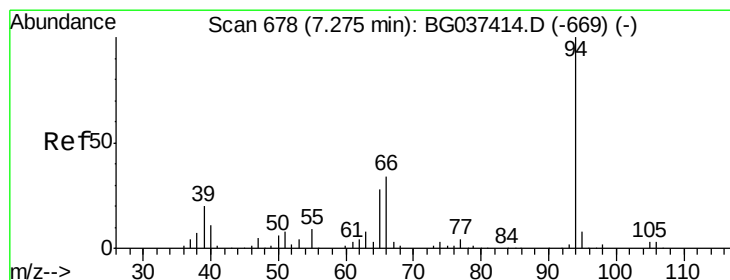
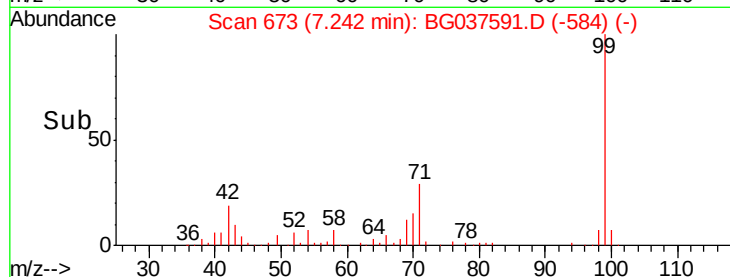
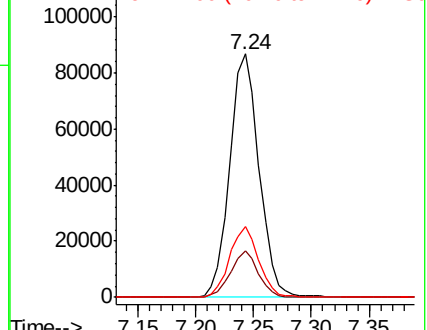
99 100

42 19.1 15.0 22.4

71 28.9 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: 3.402 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

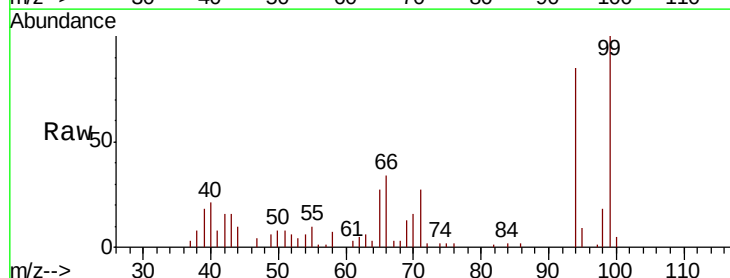
Tgt Ion: 94 Resp: 18683

Ion Ratio Lower Upper

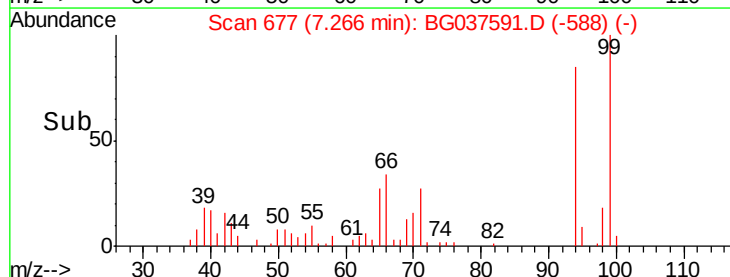
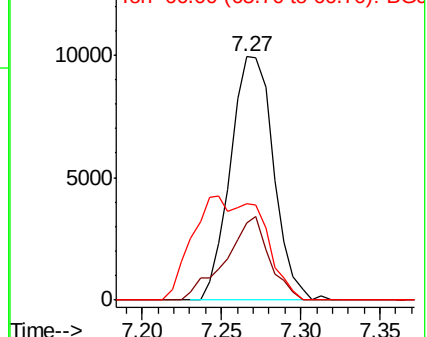
94 100

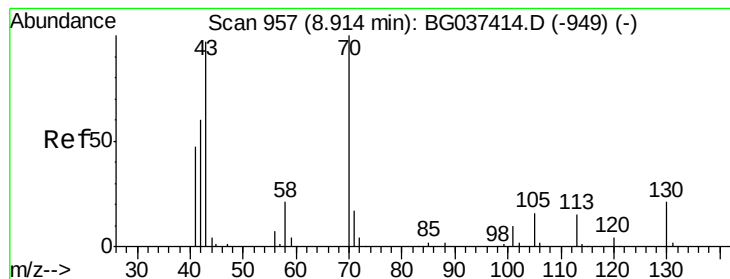
65 31.8 9.7 49.7

66 39.6 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: 15.300 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

Instrument :

BNA_G

ClientSampleId :

102318-DBRI-F-D-M

Tot Ion: 70 Resp: 54840

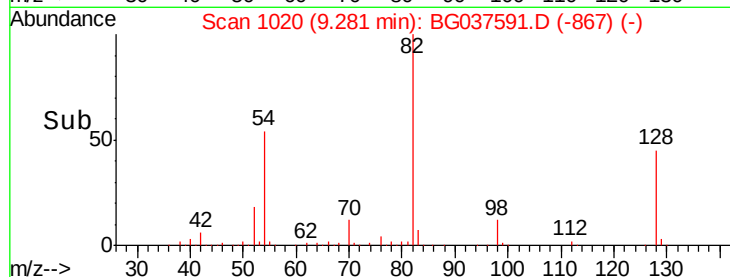
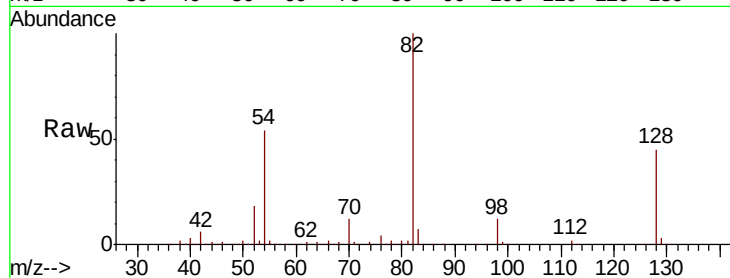
Ion Ratio Lower Upper

70 100

42 46.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.9 18.2 27.4#

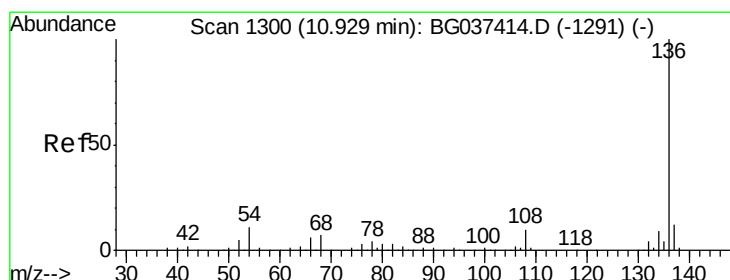
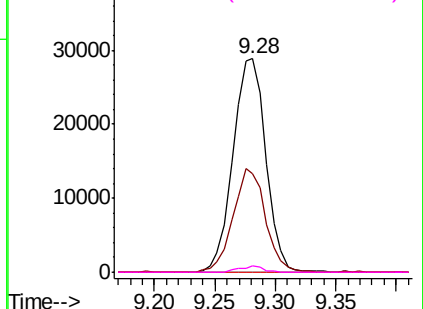


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

Tgt Ion: 136 Resp: 252608

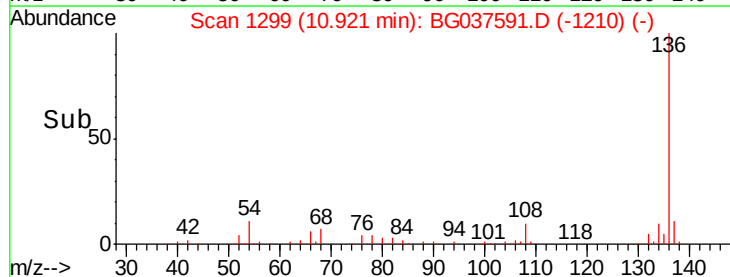
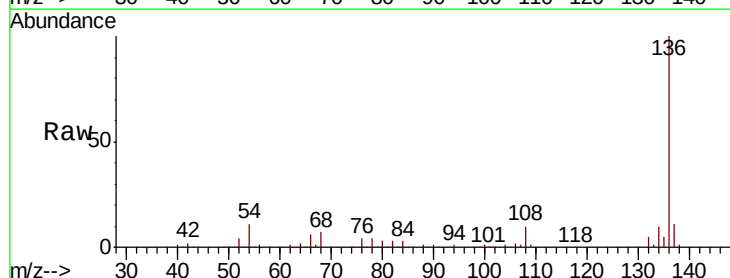
Ion Ratio Lower Upper

136 100

137 11.2 9.6 14.4

54 10.5 7.9 11.9

68 6.6 4.8 7.2

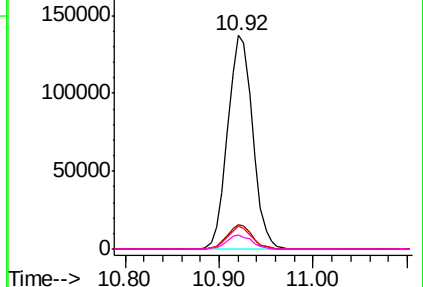


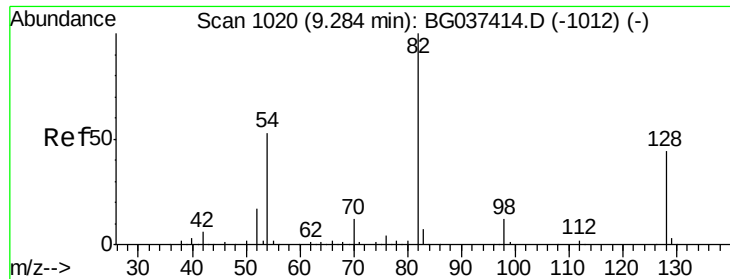
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

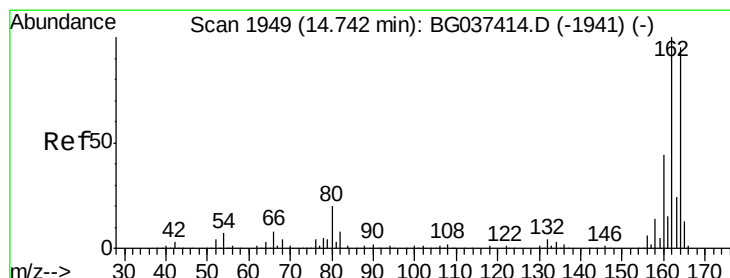
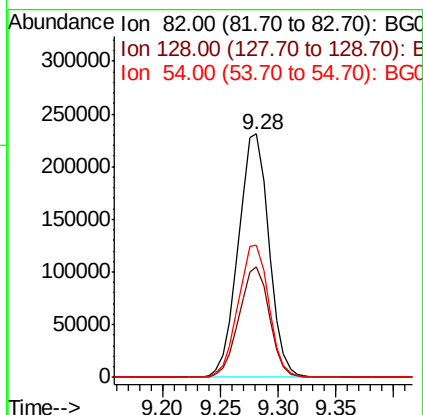
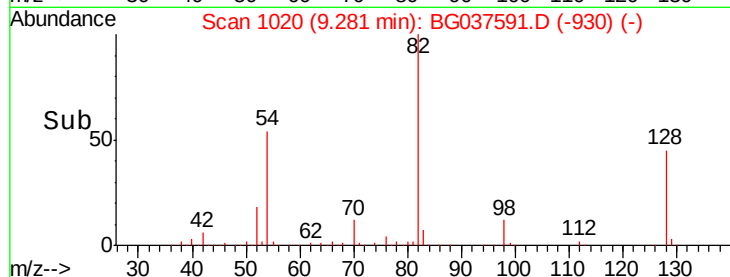
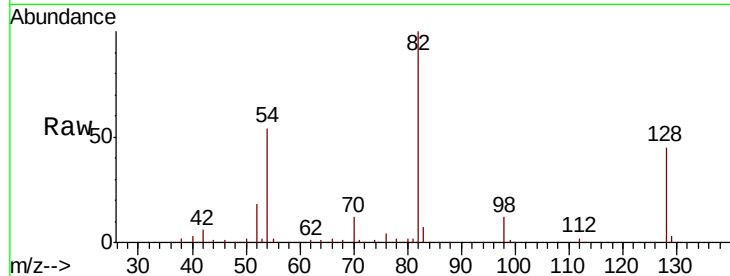




#23
 Nitrobenzene-d5
 Concen: 94.658 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037591.D
 Acq: 26 Oct 2018 21:46

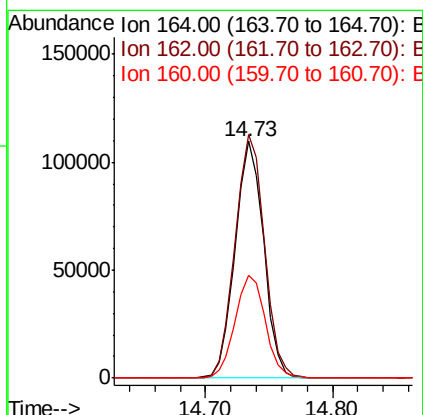
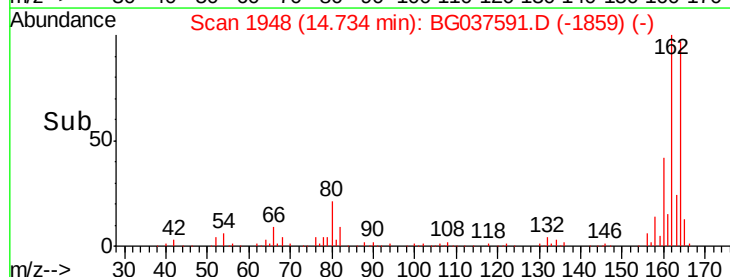
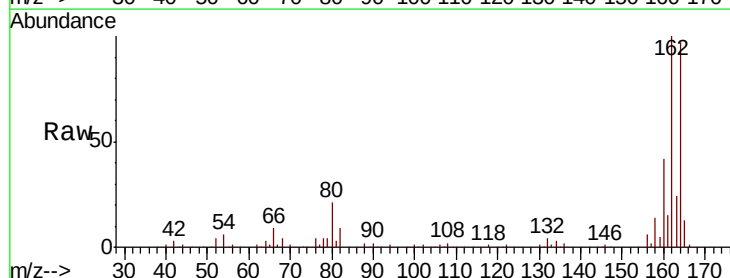
Instrument :
 BNA_G
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 102318-DBRI-F-D-M

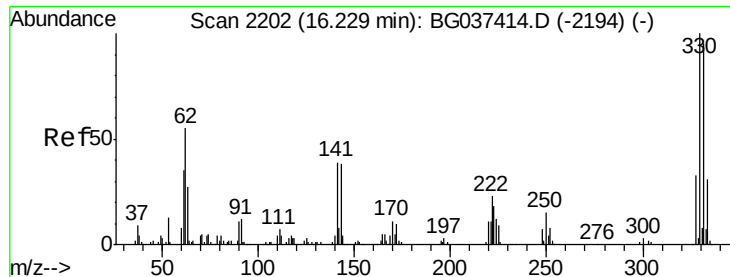
Tot Ion	82	Resp	426842
Ion Ratio	Lower	Upper	
82	100		
128	45.1	34.6	51.8
54	54.5	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037591.D
 Acq: 26 Oct 2018 21:46

Tgt Ion	164	Resp	170168
Ion Ratio	Lower	Upper	
164	100		
162	102.8	81.3	121.9
160	43.3	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 92.900 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

Instrument :

BNA_G

ClientSampleId :

102318-DBRI-F-D-M

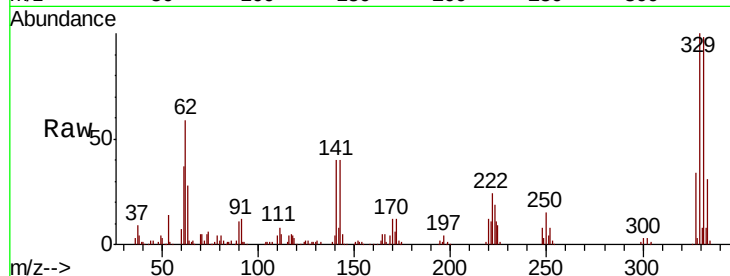
Tot Ion:330 Resp: 172422

Ion Ratio Lower Upper

330 100

332 94.6 78.4 117.6

141 40.3 32.2 48.2

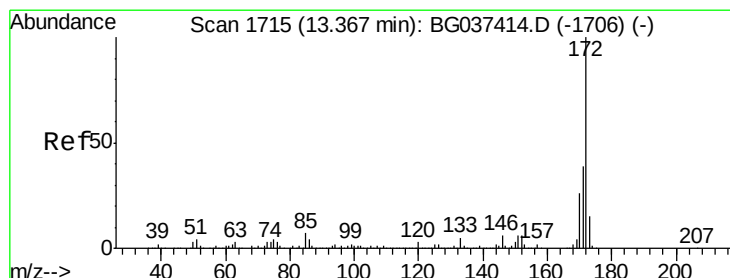
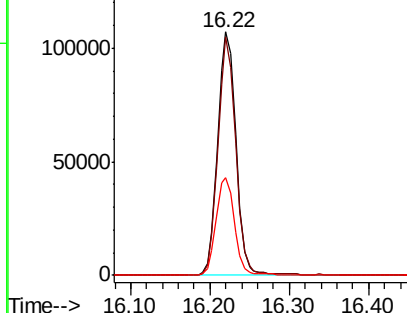
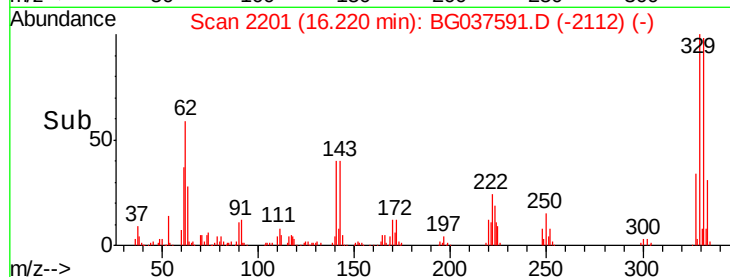


Abundance

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: 89.785 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

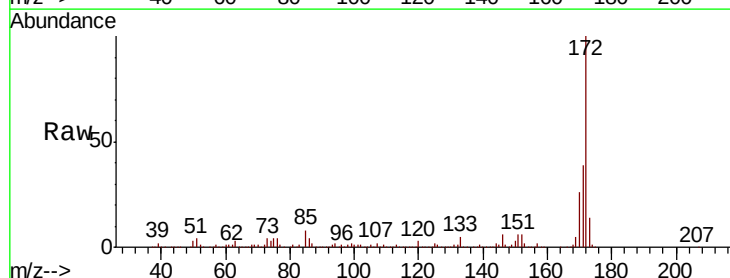
Tgt Ion:172 Resp: 1013204

Ion Ratio Lower Upper

172 100

171 39.1 31.0 46.4

170 25.9 20.2 30.2

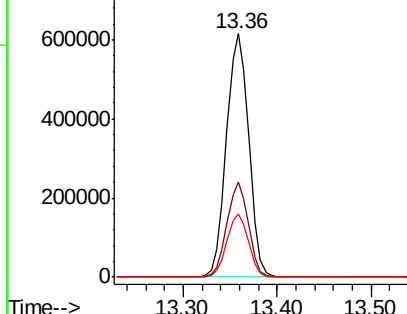
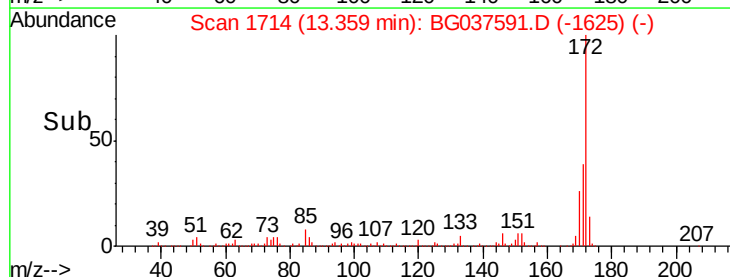


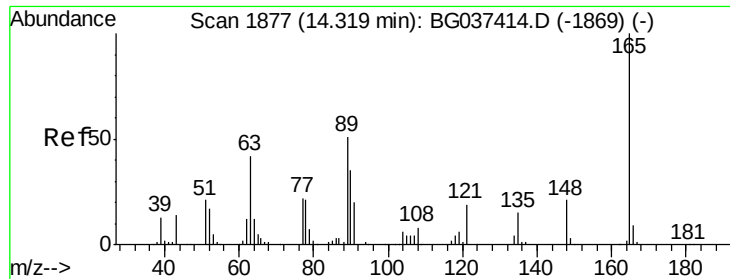
Abundance

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

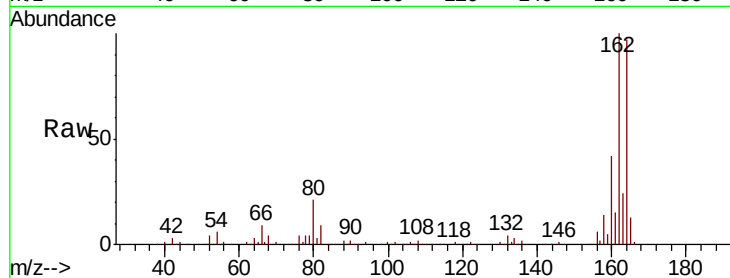




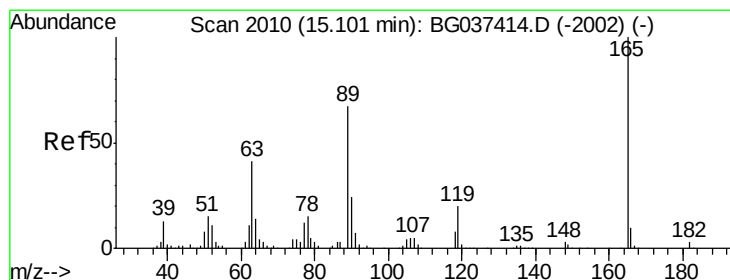
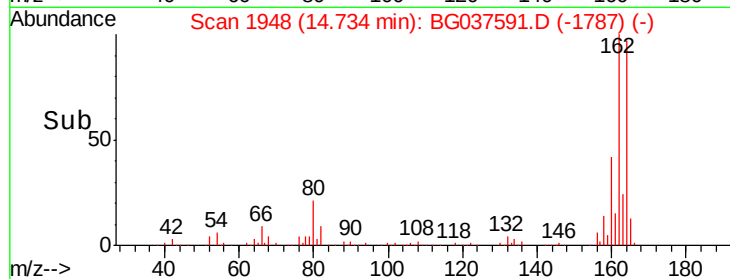
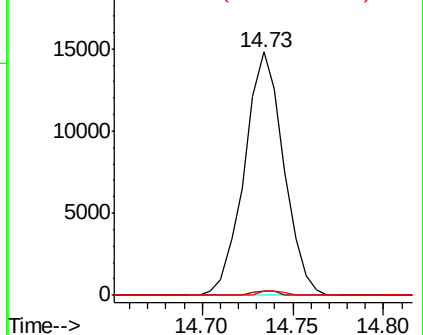
#51
 2,6-Dinitrotoluene
 Concen: 7.642 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037591.D
 Acq: 26 Oct 2018 21:46

Instrument :
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Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	43.4	65.2#
89	1.6	45.8	68.6#



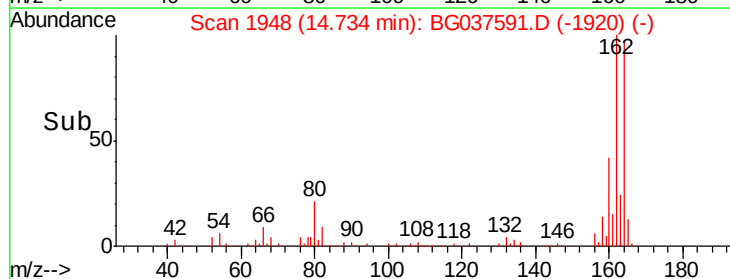
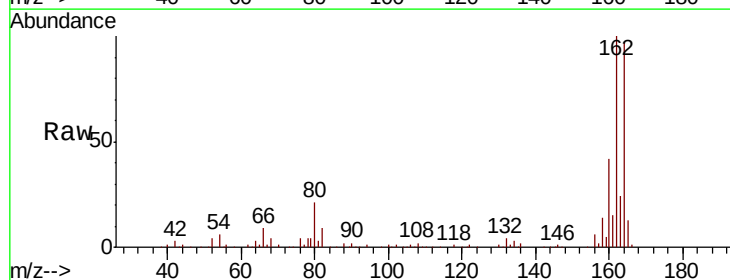
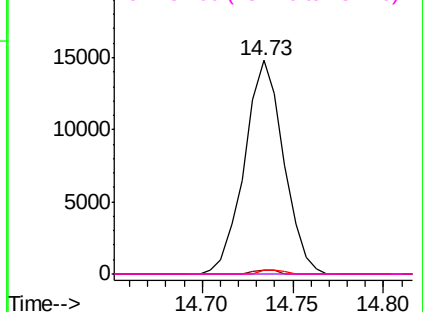
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

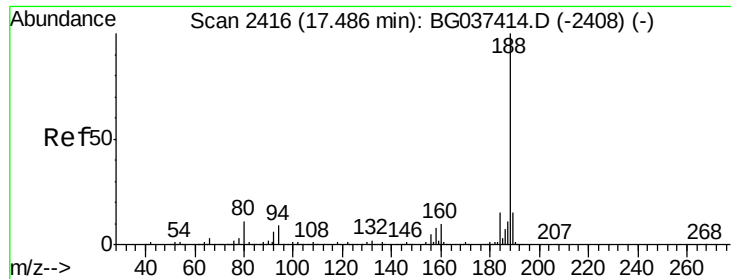


#57
 2,4-Dinitrotoluene
 Concen: 5.822 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037591.D
 Acq: 26 Oct 2018 21:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	33.4	50.0#
89	1.6	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: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

Instrument :

BNA_G

ClientSampleId :

102318-DBRI-F-D-M

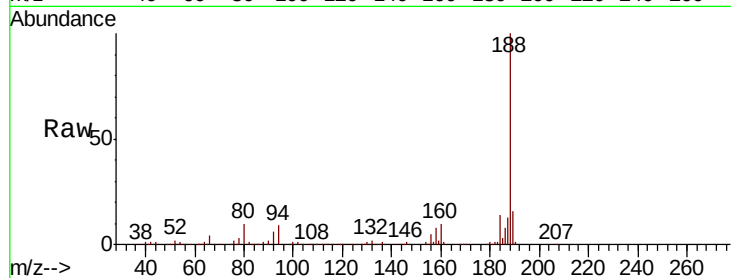
Tot Ion:188 Resp: 412659

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

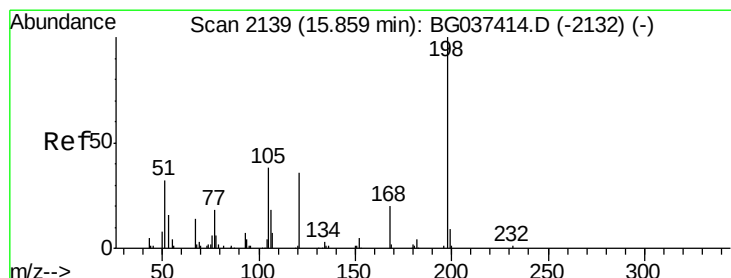
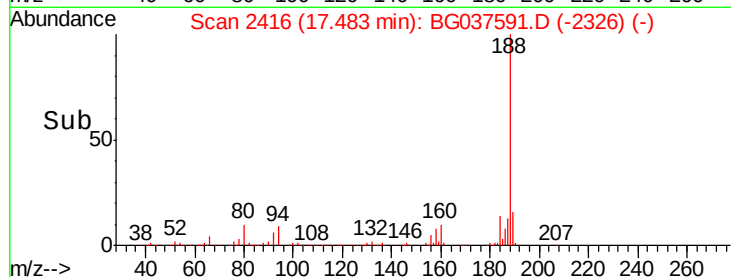
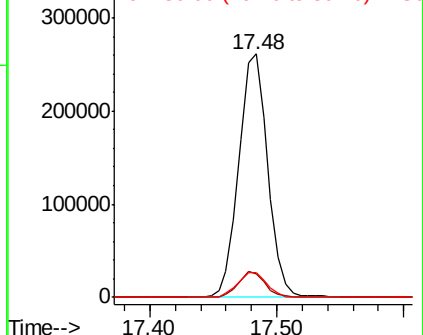
80 9.9 7.7 11.5



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: 8.731 ng

RT: 16.20 min Scan# 2198

Delta R.T. 0.34 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

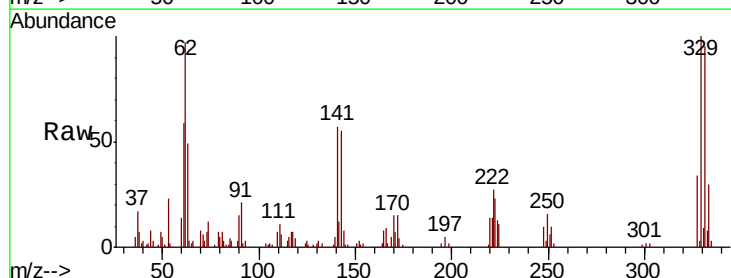
Tgt Ion:198 Resp: 587

Ion Ratio Lower Upper

198 100

51 71.8 22.7 62.7#

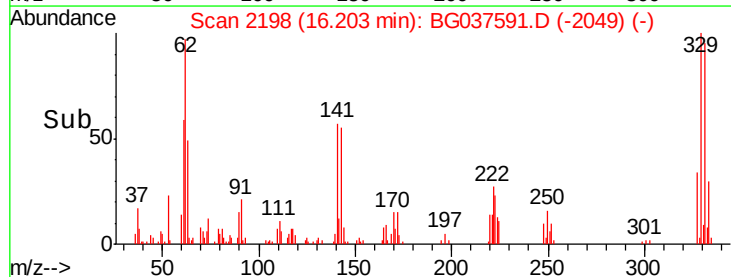
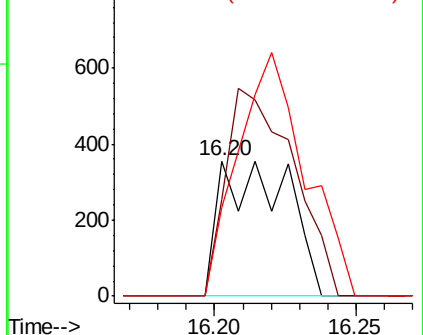
105 65.6 19.7 59.7#

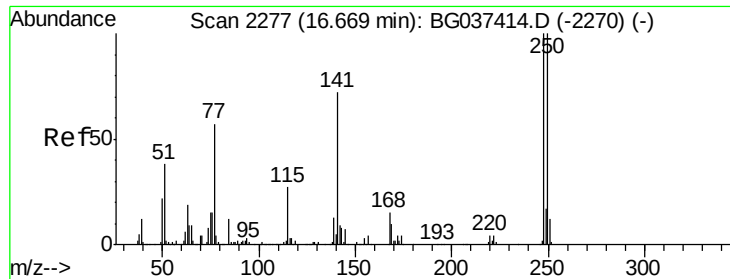


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

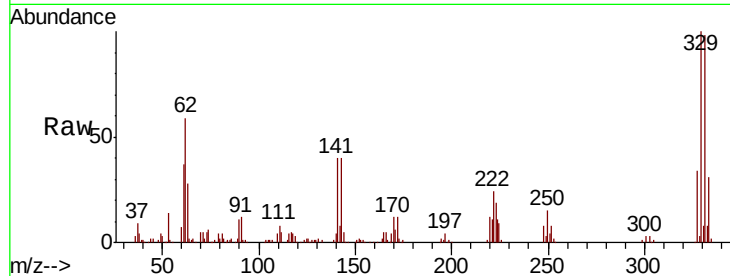




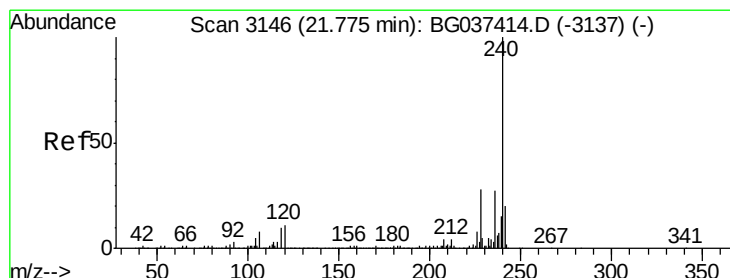
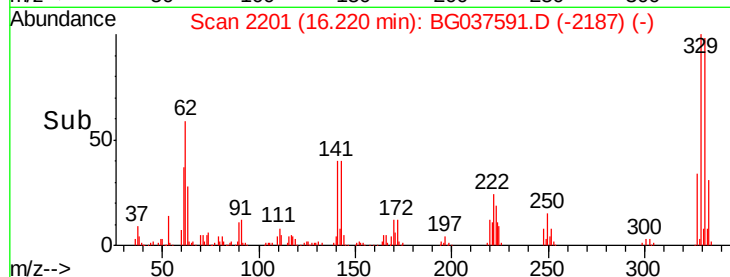
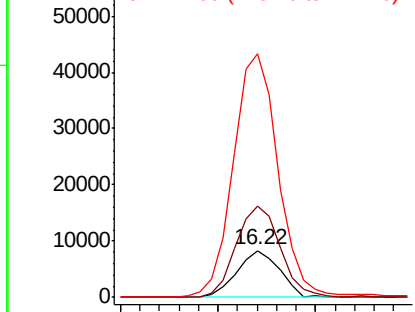
#67
4-Bromophenyl-phenylether
Concen: 2.757 ng
RT: 16.22 min Scan# 2201
Delta R.T. -0.45 min
Lab File: BG037591.D
Acq: 26 Oct 2018 21:46

Instrument :
BNA_G
ClientSampleId :
102318-DBRI-F-D-M

Tot Ion:248 Resp: 12493
Ion Ratio Lower Upper
248 100
250 186.6 77.0 115.6#
141 389.5 55.5 83.3#

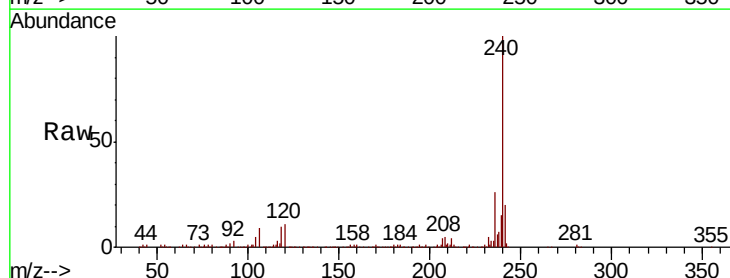


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

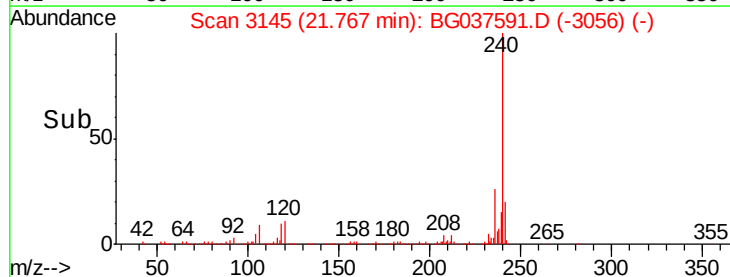
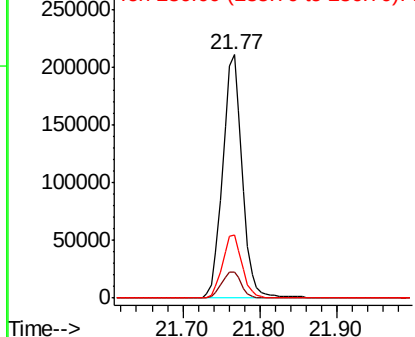


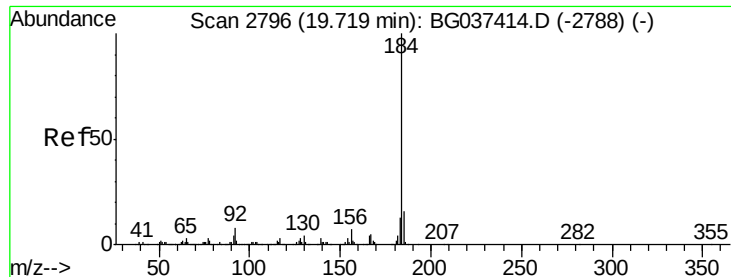
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037591.D
Acq: 26 Oct 2018 21:46

Tgt Ion:240 Resp: 372798
Ion Ratio Lower Upper
240 100
120 10.8 8.1 12.1
236 26.2 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





#77

Benzidine

Concen: 2.038 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

Instrument :

BNA_G

ClientSampleId :

102318-DBRI-F-D-M

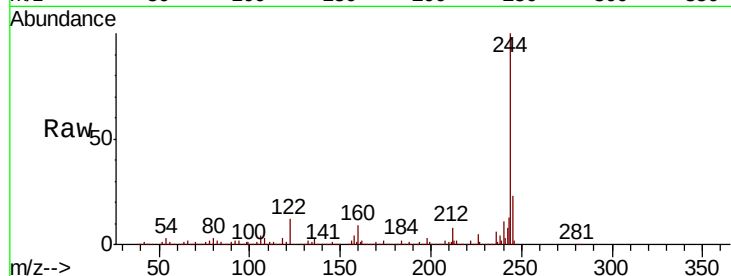
Tot Ion:184 Resp: 25837

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

183 9.7 10.2 15.2#

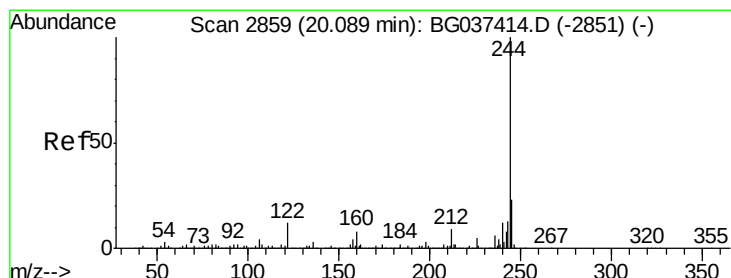
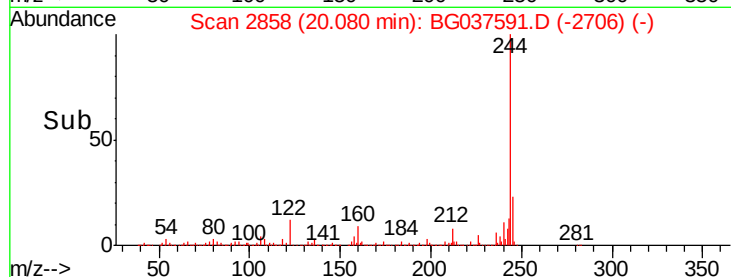
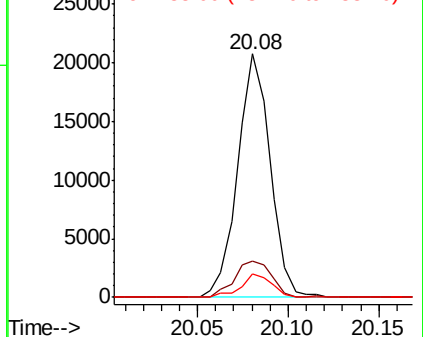


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 87.526 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037591.D

Acq: 26 Oct 2018 21:46

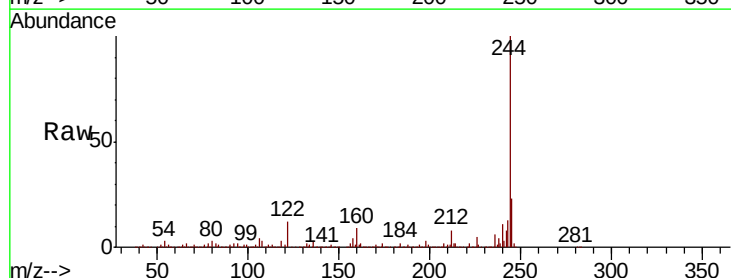
Tgt Ion:244 Resp: 1527054

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

122 12.1 9.0 13.4

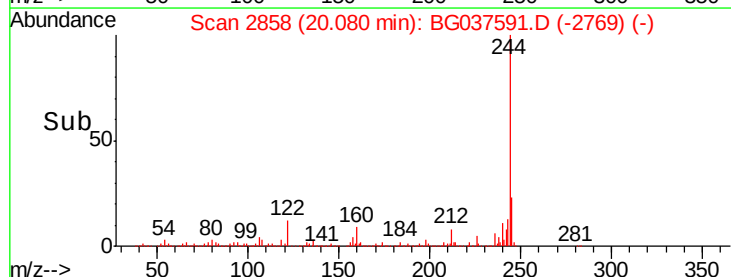
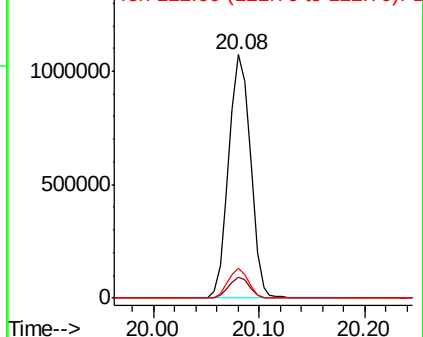


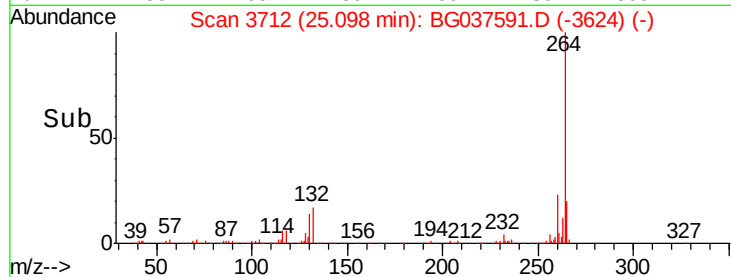
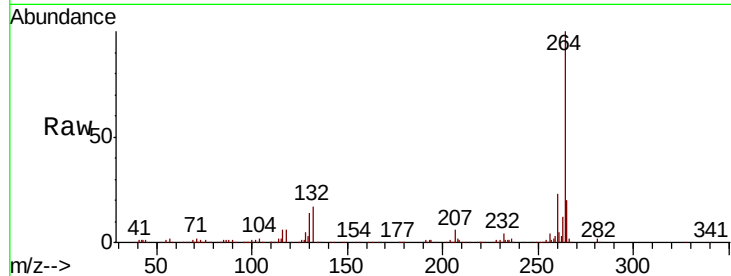
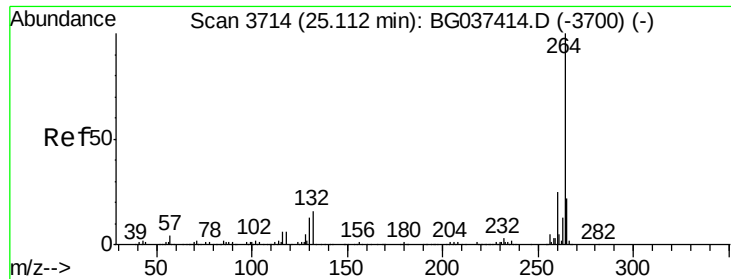
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG037591.D
Acq: 26 Oct 2018 21:46

Instrument :
BNA_G
ClientSampleId :
102318-DBRI-F-D-M

Tot Ion:	264	Resp:	369527
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	20.5	17.9	26.9

