

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120118\
 Data File : BG038291.D
 Acq On : 1 Dec 2018 17:26
 Operator : JU/SJ
 Sample : PB115166BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115166BL

Quant Time: Dec 03 01:08:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

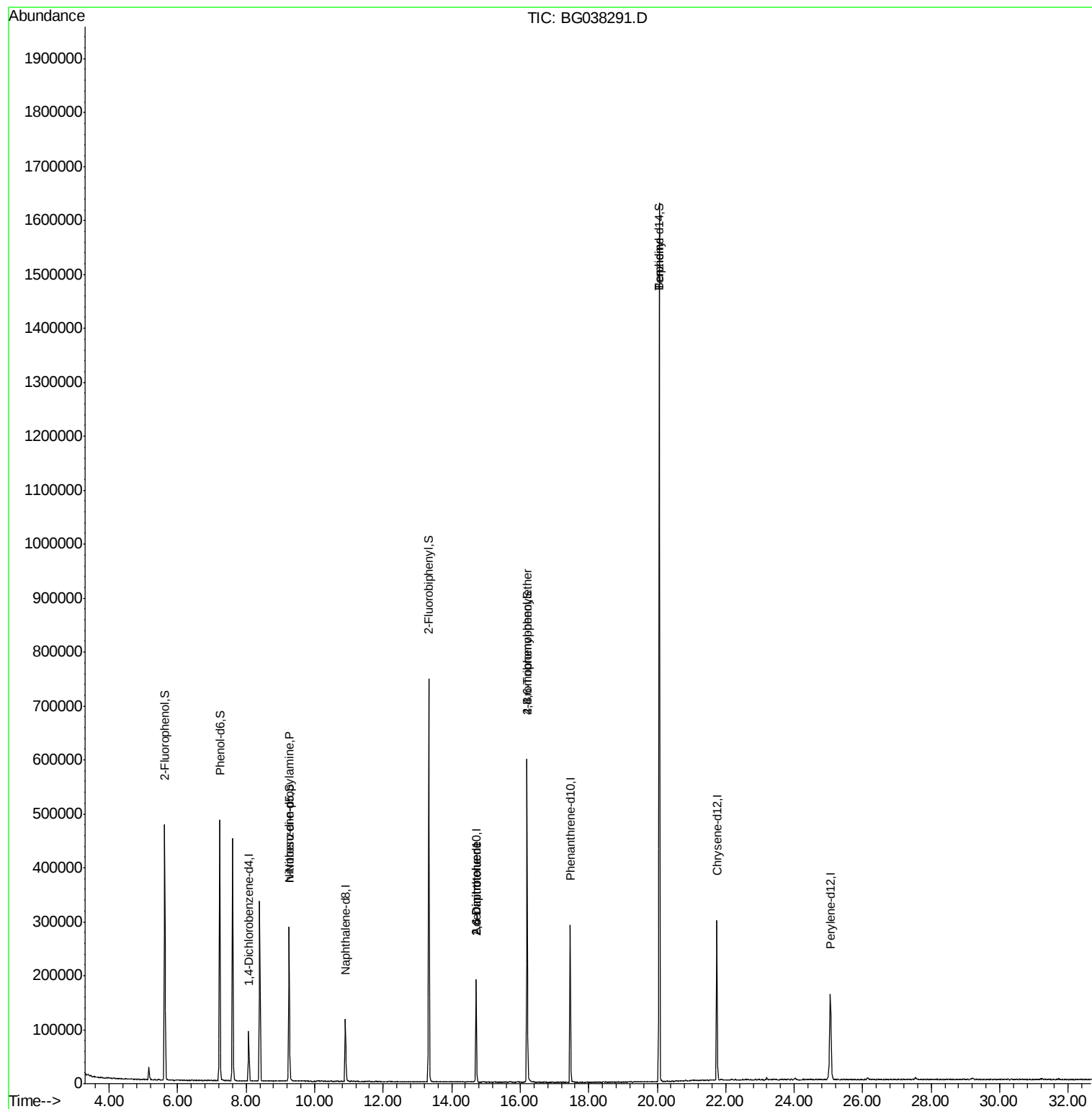
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	26353	20.00	ng	-0.02
21) Naphthalene-d8	10.90	136	108204	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	69505	20.00	ng	-0.01
64) Phenanthrene-d10	17.46	188	190084	20.00	ng	-0.01
76) Chrysene-d12	21.74	240	191592	20.00	ng	-0.01
87) Perylene-d12	25.06	264	195648	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	202285	132.53	ng	0.00
7) Phenol-d6	7.23	99	276782	127.04	ng	0.00
23) Nitrobenzene-d5	9.25	82	176869	87.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	113209	142.82	ng	-0.01
45) 2-Fluorobiphenyl	13.33	172	408015	85.52	ng	-0.02
79) Terphenyl-d14	20.06	244	809392	99.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	22674	14.383	ng	# 76
51) 2,6-Dinitrotoluene	14.71	165	8784	7.044	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	8784	5.177	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	8251	3.955	ng	# 1
77) Benzidine	20.06	184	14296	2.126	ng	# 92

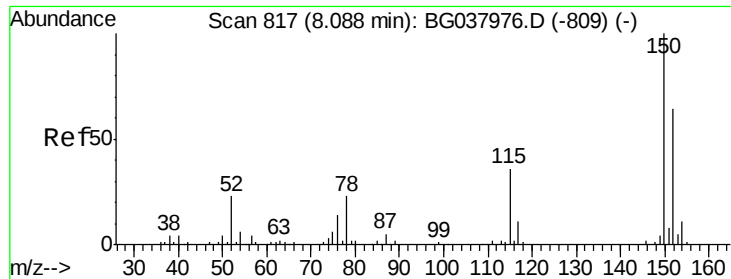
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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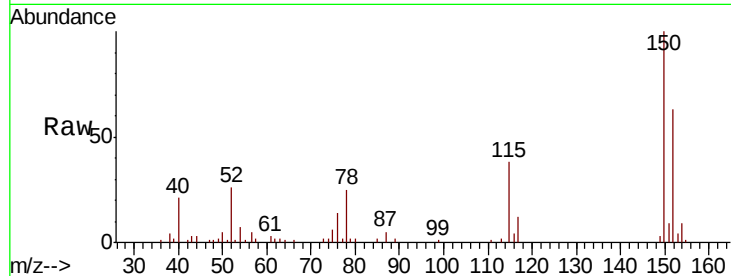


#1

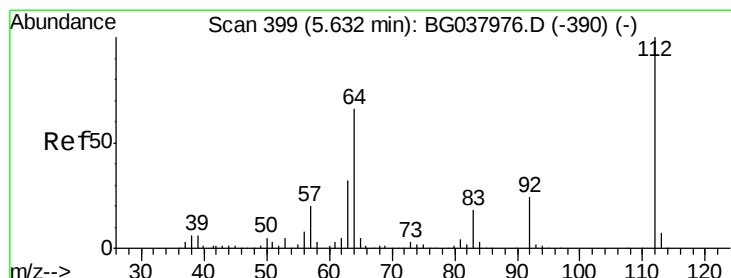
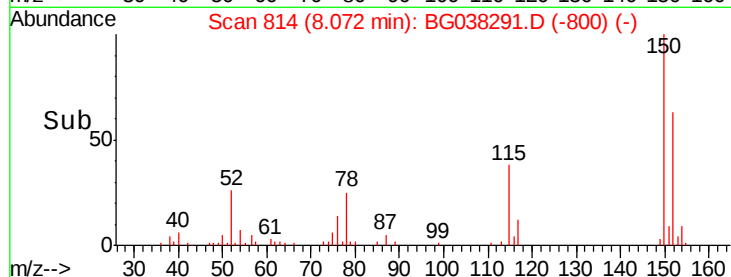
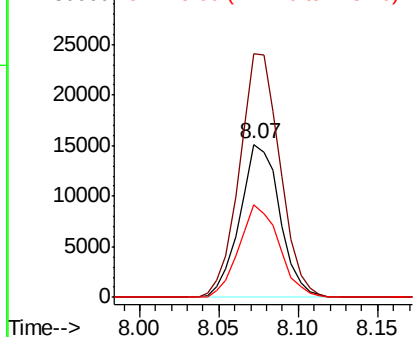
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.02 min
Lab File: BG038291.D
Acq: 1 Dec 2018 17:26

Instrument :
BNA_G
ClientSampleId :
PB115166BL

Tot Ion:152 Resp: 26353
Ion Ratio Lower Upper
152 100
150 159.3 126.0 189.0
115 60.5 45.5 68.3



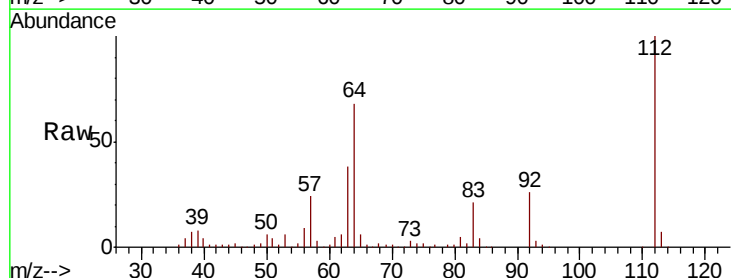
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



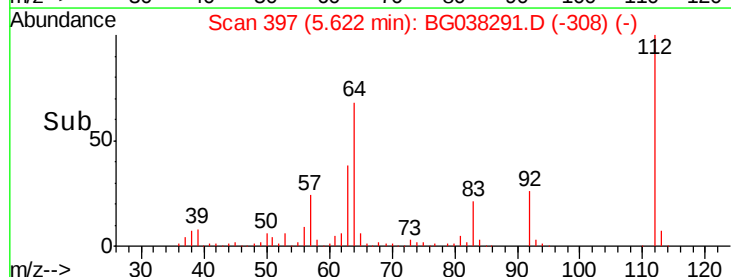
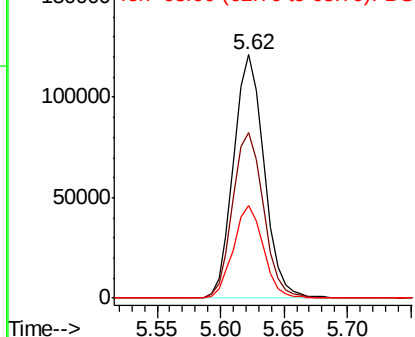
#5

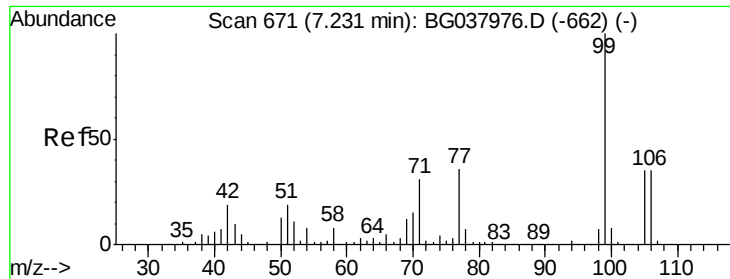
2-Fluorophenol
Concen: 132.531 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG038291.D
Acq: 1 Dec 2018 17:26

Tgt Ion:112 Resp: 202285
Ion Ratio Lower Upper
112 100
64 68.2 53.1 79.7
63 37.8 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: 127.038 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

Instrument :

BNA_G

ClientSampleId :

PB115166BL

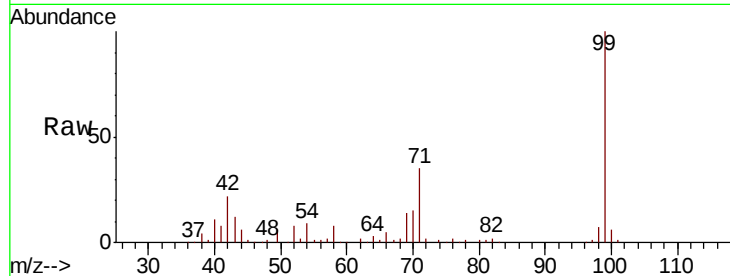
Tot Ion: 99 Resp: 276782

Ion Ratio Lower Upper

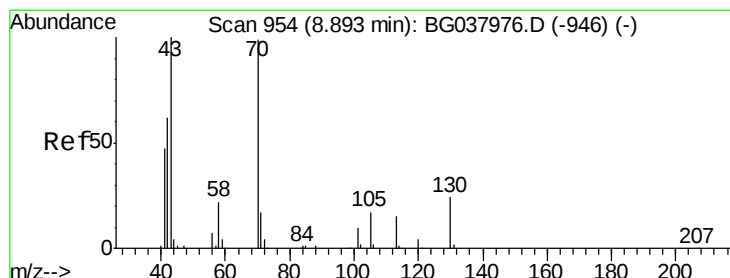
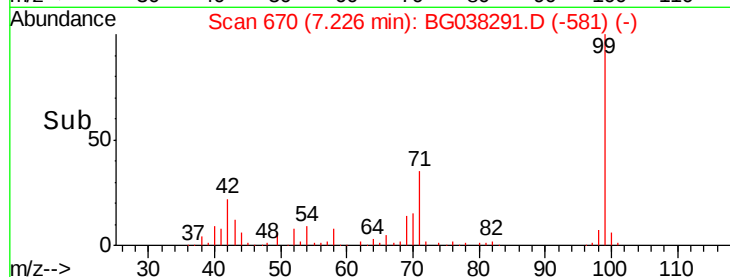
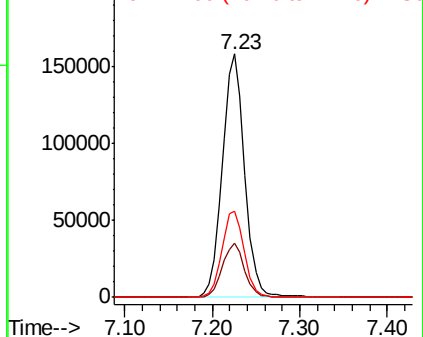
99 100

42 22.4 15.0 22.4#

71 35.3 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: 14.383 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.36 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

Tgt Ion: 70 Resp: 22674

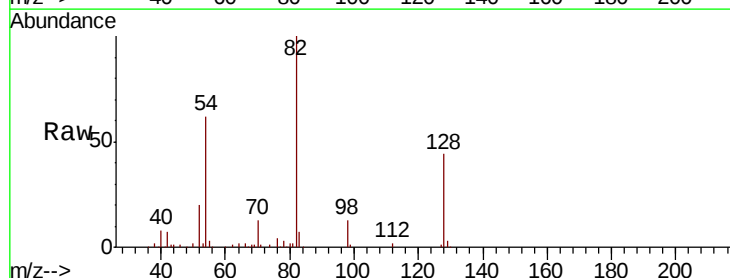
Ion Ratio Lower Upper

70 100

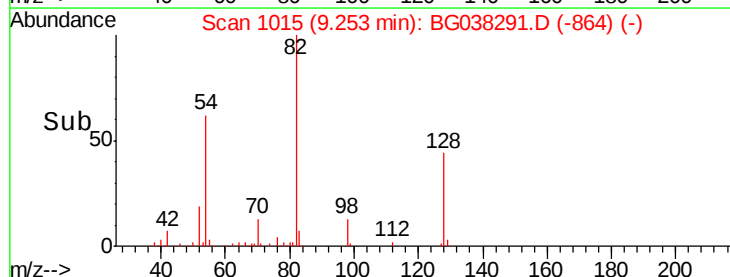
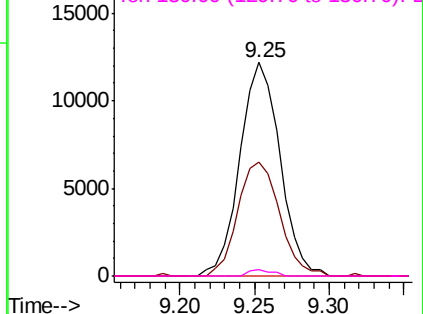
42 53.2 53.9 80.9#

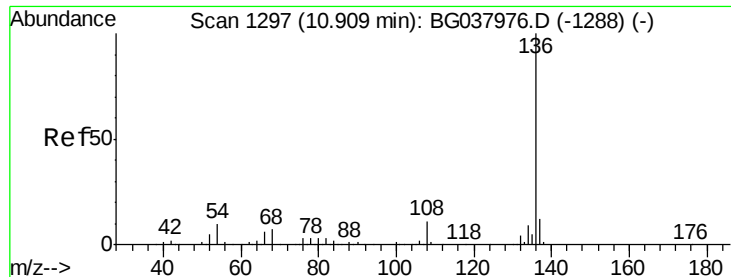
101 0.0 8.2 12.2#

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: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

Instrument :

BNA_G

ClientSampleId :

PB115166BL

Tot Ion:136 Resp: 108204

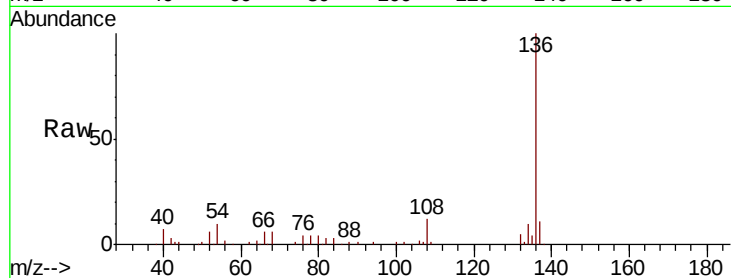
Ion Ratio Lower Upper

136 100

137 10.7 9.6 14.4

54 10.4 7.9 11.9

68 5.5 4.8 7.2

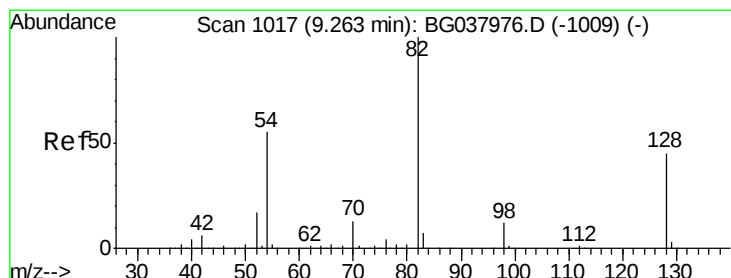
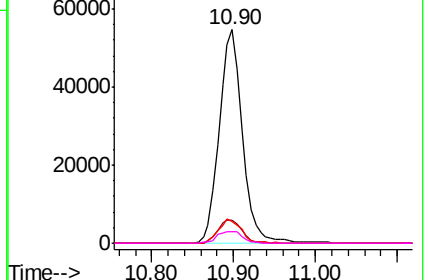
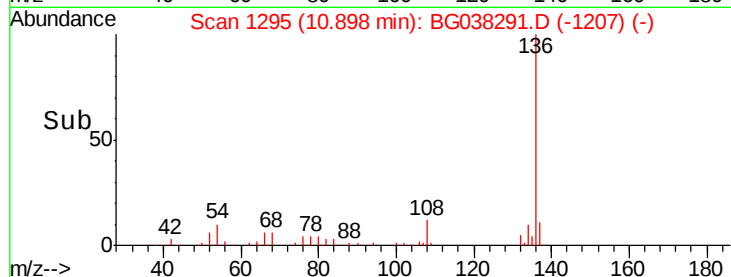


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.500 ng

RT: 9.25 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

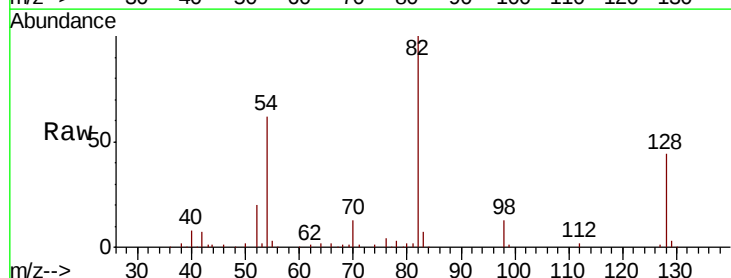
Tgt Ion: 82 Resp: 176869

Ion Ratio Lower Upper

82 100

128 43.7 34.6 51.8

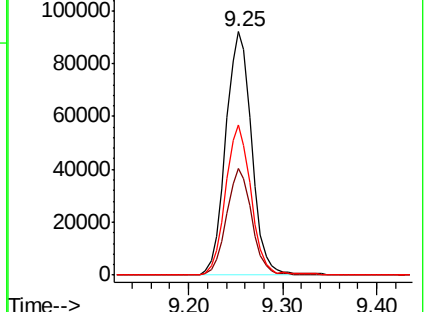
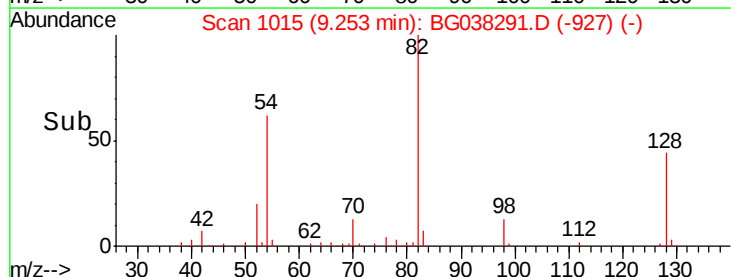
54 61.8 45.3 67.9

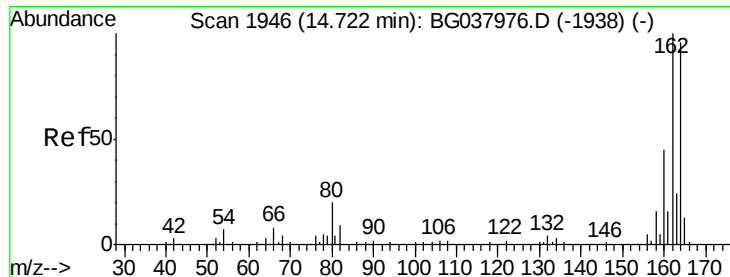


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

Instrument :

BNA_G

ClientSampleId :

PB115166BL

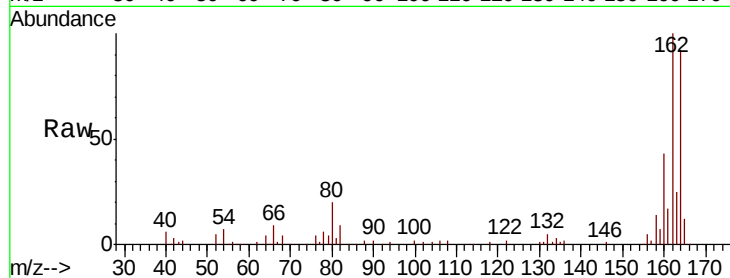
Tot Ion:164 Resp: 69505

Ion Ratio Lower Upper

164 100

162 109.0 81.3 121.9

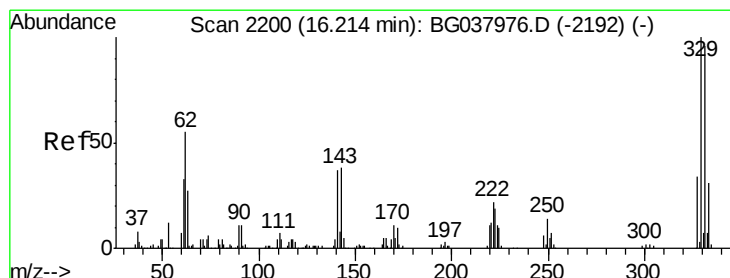
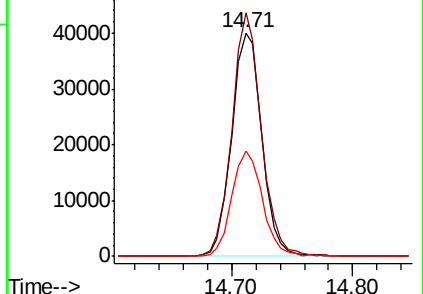
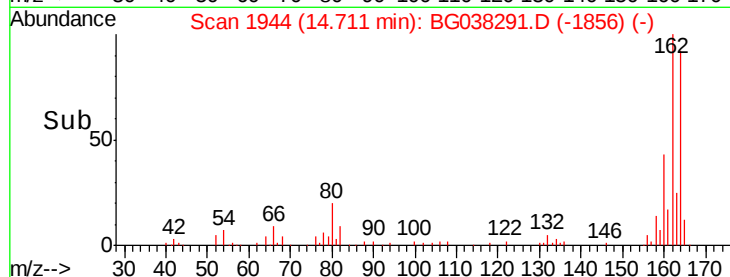
160 47.3 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 142.817 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

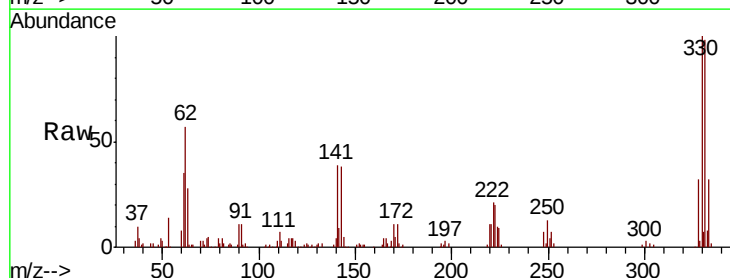
Tgt Ion:330 Resp: 113209

Ion Ratio Lower Upper

330 100

332 94.2 78.4 117.6

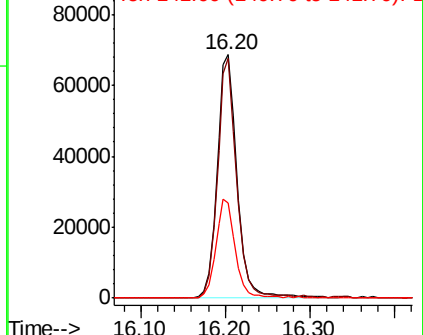
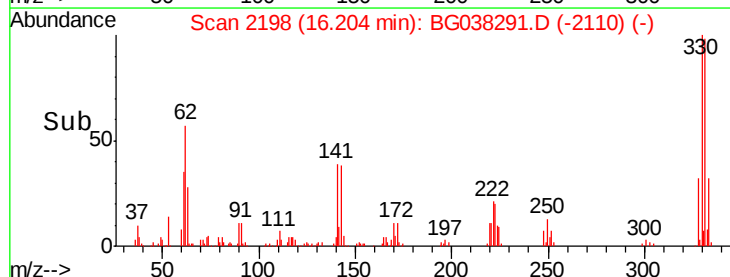
141 40.0 32.2 48.2

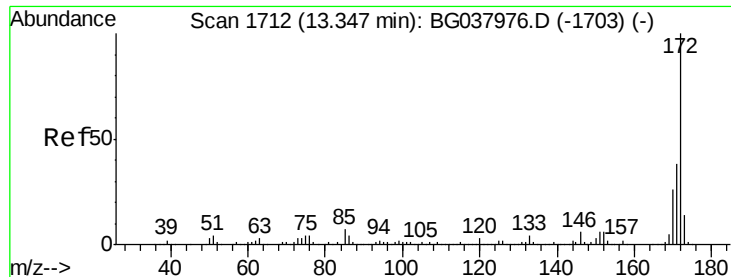


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

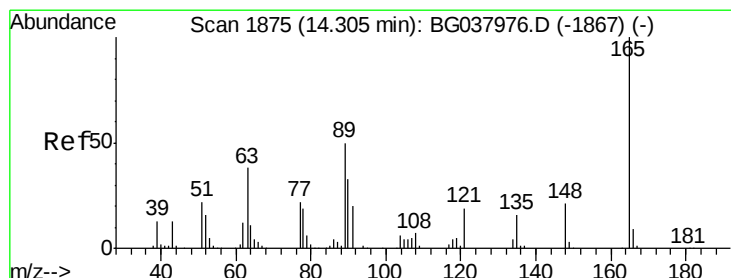
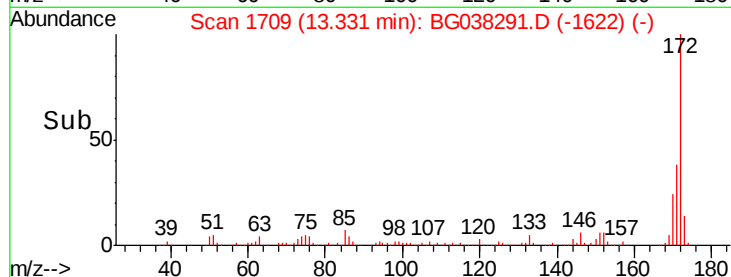
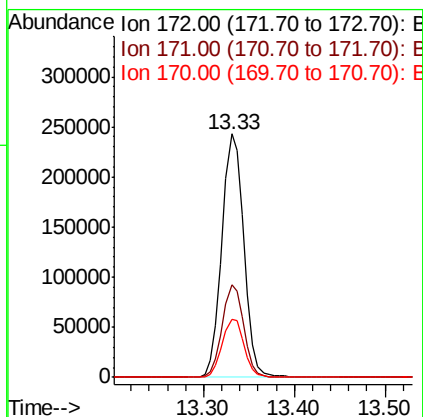
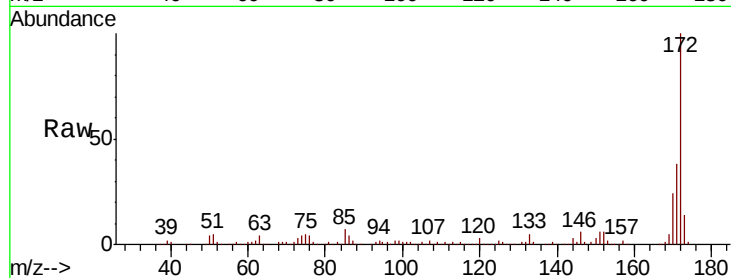




#45
 2-Fluorobiphenyl
 Concen: 85.521 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.02 min
 Lab File: BG038291.D
 Acq: 1 Dec 2018 17:26

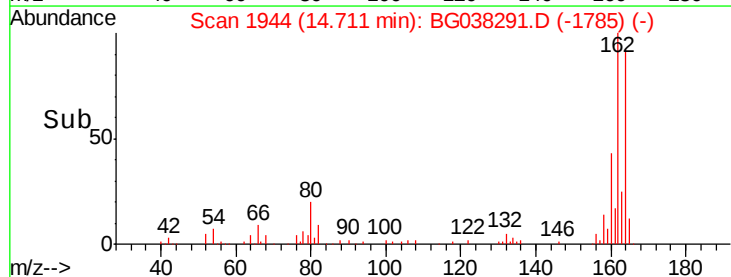
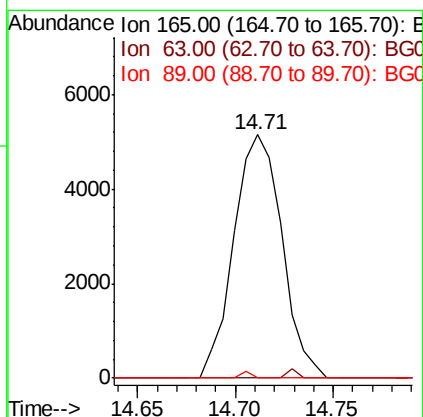
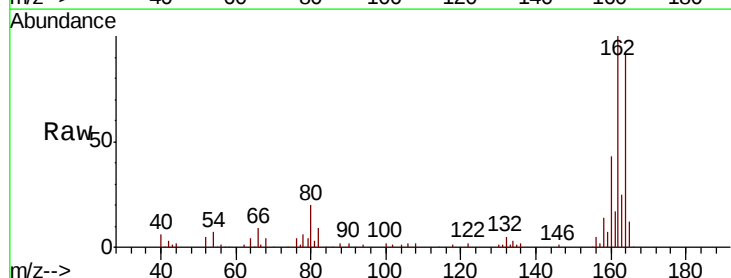
Instrument :
 BNA_G
 ClientSampleId :
 PB115166BL

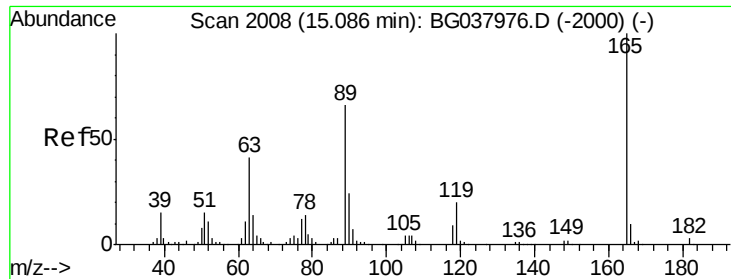
Tot Ion:172 Resp: 408015
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.0 46.4
 170 24.0 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.044 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG038291.D
 Acq: 1 Dec 2018 17:26

Tgt Ion:165 Resp: 8784
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 45.8 68.6#

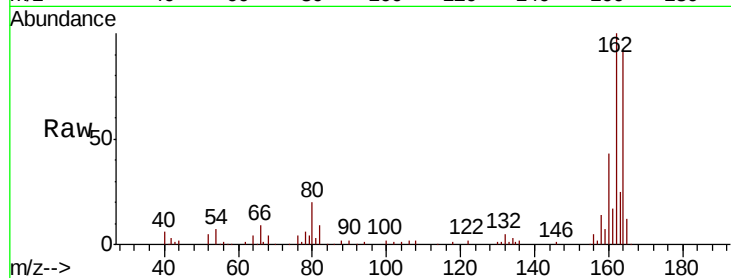




#57
2,4-Dinitrotoluene
Concen: 5.177 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.37 min
Lab File: BG038291.D
Acq: 1 Dec 2018 17:26

Instrument :
BNA_G
ClientSampleId :
PB115166BL

Tot 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#

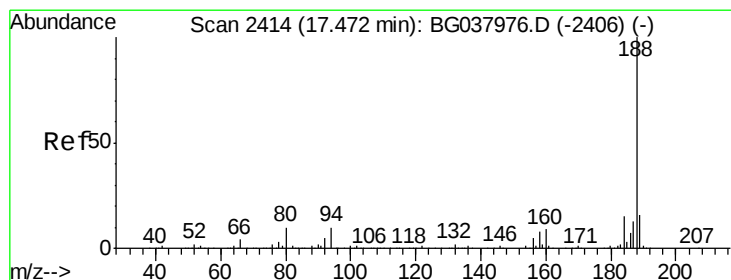
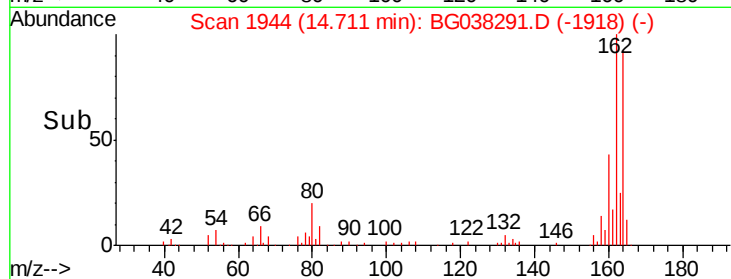
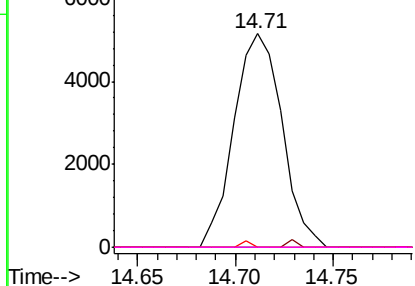


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

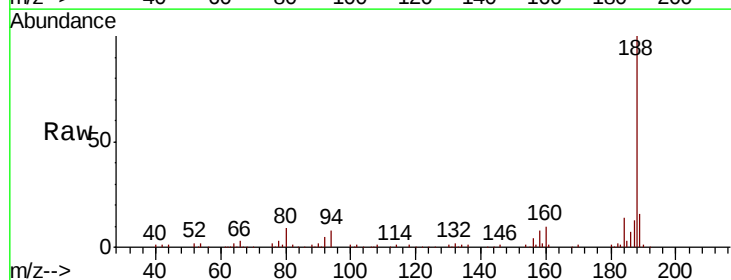
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BG038291.D
Acq: 1 Dec 2018 17:26

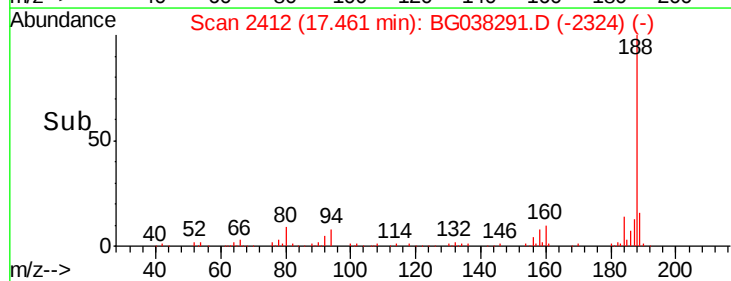
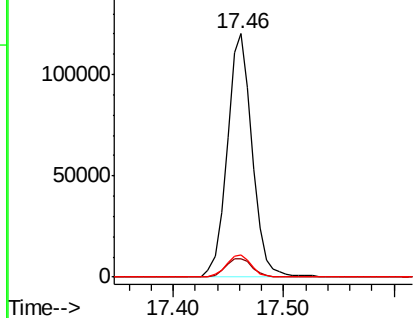
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.2	10.8
80	9.0	7.7	11.5

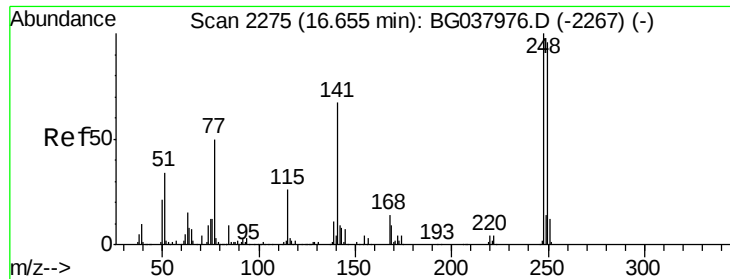


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

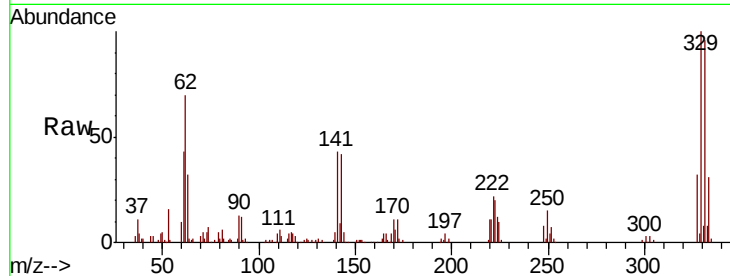




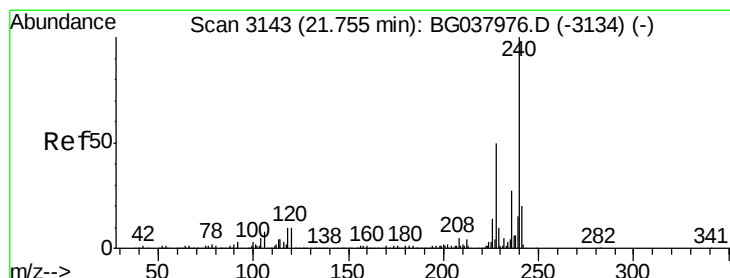
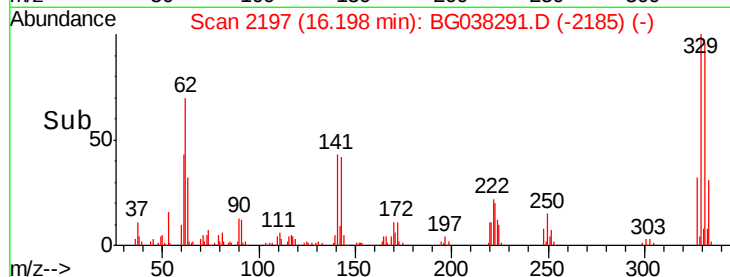
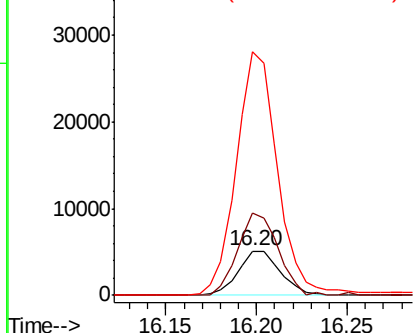
#67
4-Bromophenyl-phenylether
Concen: 3.955 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.46 min
Lab File: BG038291.D
Acq: 1 Dec 2018 17:26

Instrument :
BNA_G
ClientSampleId :
PB115166BL

Tot Ion:248 Resp: 8251
Ion Ratio Lower Upper
248 100
250 185.4 77.0 115.6#
141 419.8 55.5 83.3#

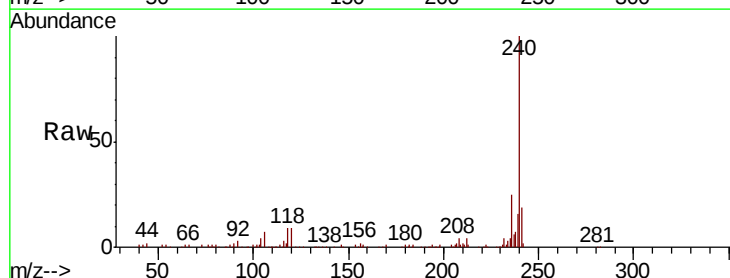


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

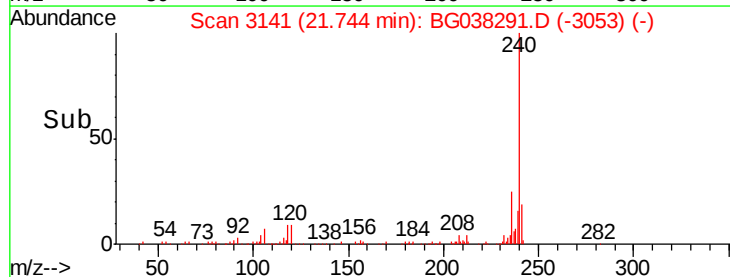
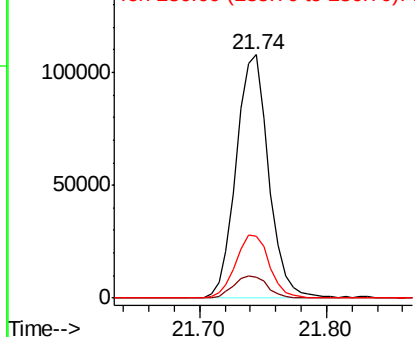


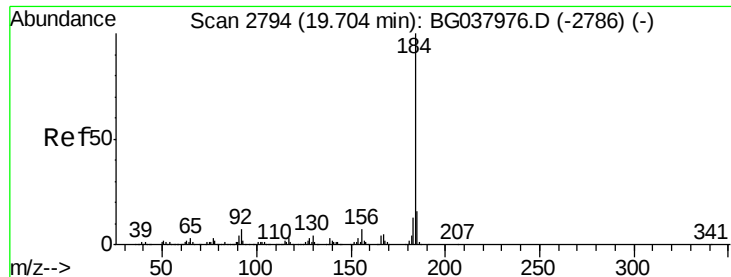
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038291.D
Acq: 1 Dec 2018 17:26

Tgt Ion:240 Resp: 191592
Ion Ratio Lower Upper
240 100
120 8.8 8.1 12.1
236 25.3 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: 2.126 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

Instrument :

BNA_G

ClientSampled :

PB115166BL

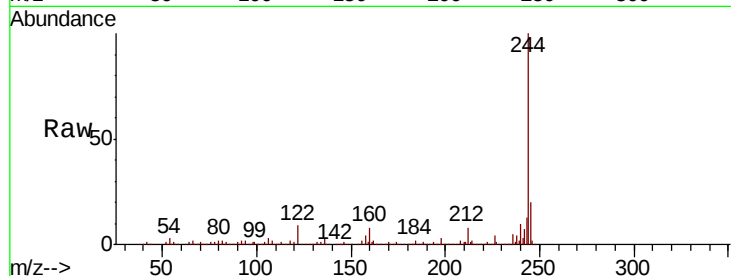
Tot Ion:184 Resp: 14296

Ion Ratio Lower Upper

184 100

185 18.4 12.6 18.8

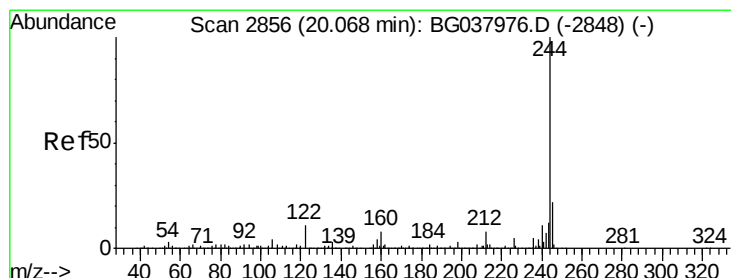
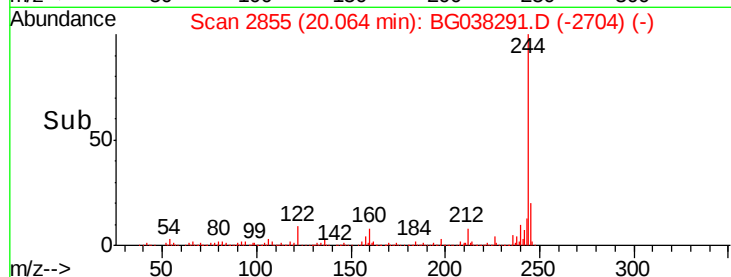
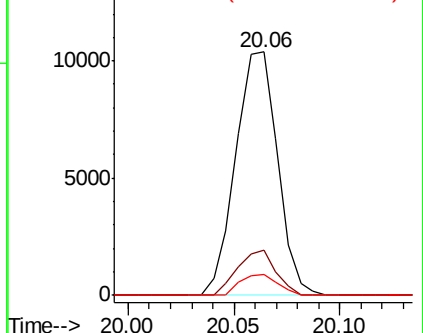
183 8.3 10.2 15.2#



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: 99.404 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038291.D

Acq: 1 Dec 2018 17:26

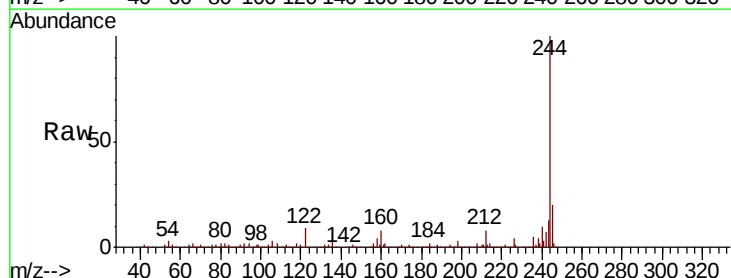
Tgt Ion:244 Resp: 809392

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

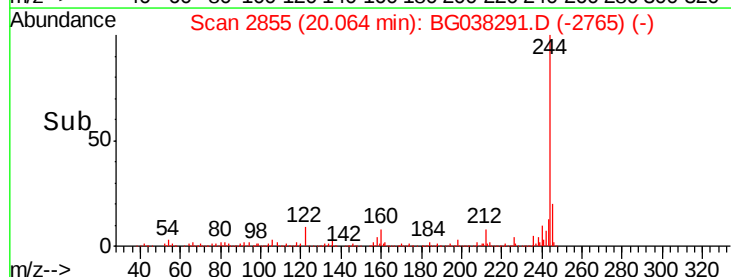
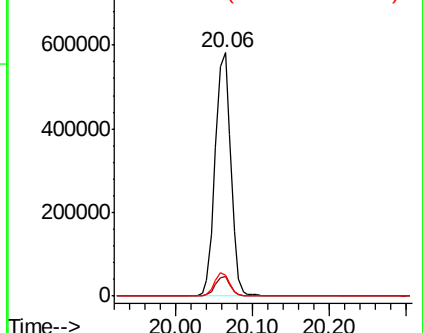
122 8.7 9.0 13.4#

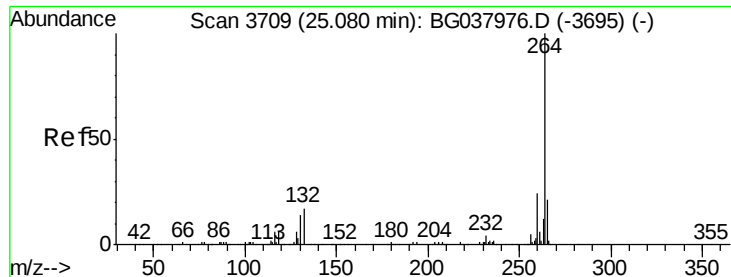


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.06 min Scan# 3705
Delta R.T. -0.02 min
Lab File: BG038291.D
Acq: 1 Dec 2018 17:26

Instrument :
BNA_G
ClientSampleId :
PB115166BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	21.7	17.9	26.9

