

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122118\
 Data File : BG038801.D
 Acq On : 22 Dec 2018 00:42
 Operator : JU/SJ
 Sample : J6500-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Dec 22 03:39:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

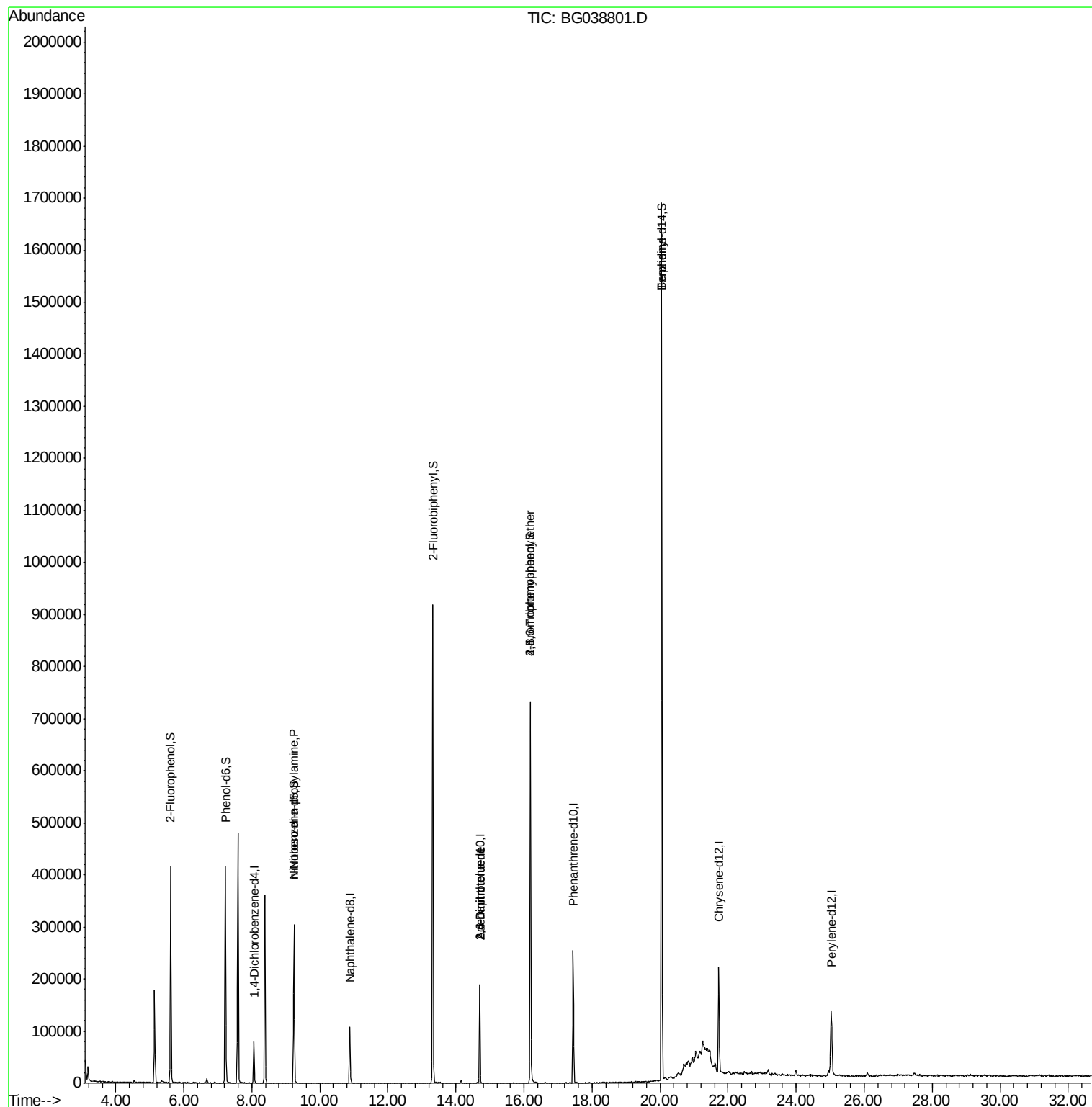
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23548	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	97904	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	71155	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	167320	20.00	ng	0.00
76) Chrysene-d12	21.73	240	138733	20.00	ng	0.00
87) Perylene-d12	25.03	264	160634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	182058	137.13	ng	0.00
7) Phenol-d6	7.22	99	236361	129.68	ng	0.01
23) Nitrobenzene-d5	9.24	82	180144	94.00	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	161554	164.74	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	511494	98.61	ng	0.00
79) Terphenyl-d14	20.05	244	829872	130.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	24055	18.791	ng	# 67
51) 2,6-Dinitrotoluene	14.70	165	9237	7.015	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	9237	4.980	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	9805	4.798	ng	# 1
77) Benzidine	20.05	184	13876	3.382	ng	# 93

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

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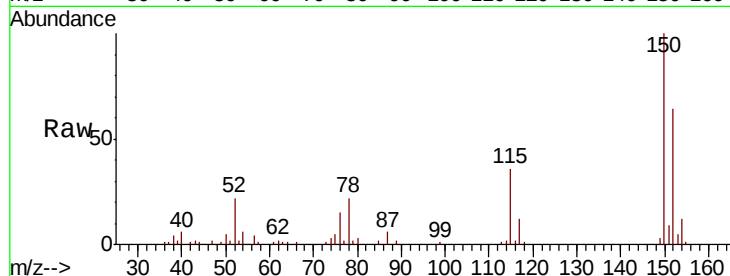


#1

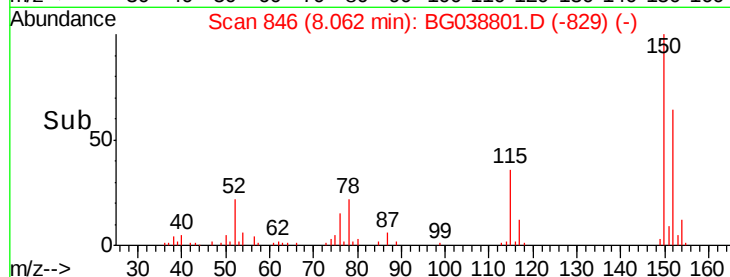
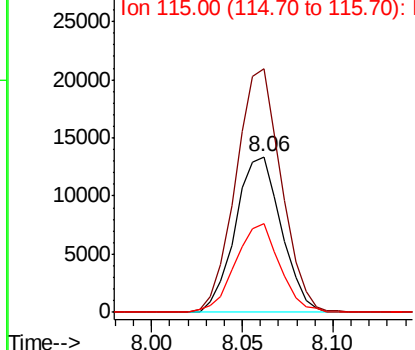
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tgt Ion:152 Resp: 23548
Ion Ratio Lower Upper
152 100
150 156.6 119.5 179.3
115 57.1 49.6 74.4



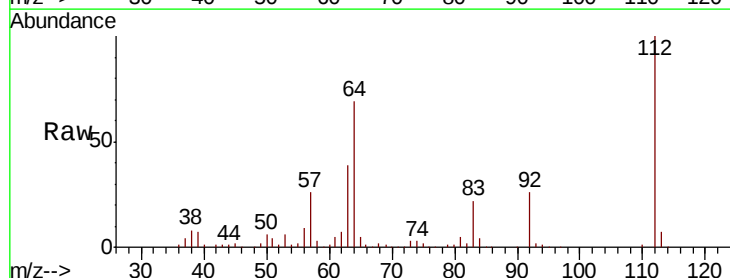
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



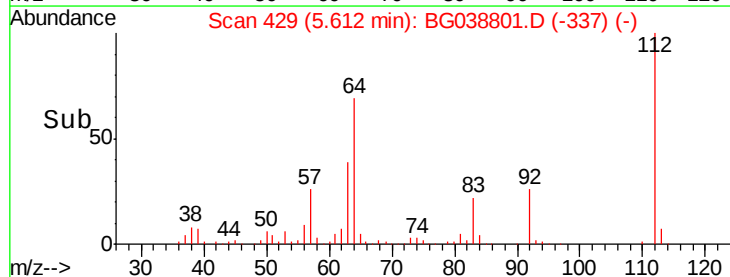
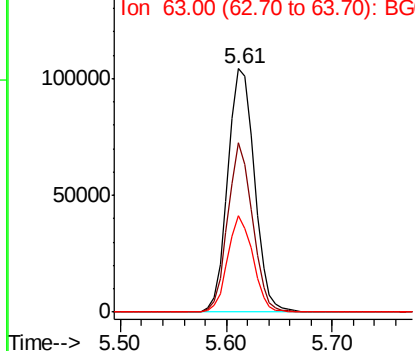
#5

2-Fluorophenol
Concen: 137.127 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Tgt Ion:112 Resp: 182058
Ion Ratio Lower Upper
112 100
64 69.5 53.4 80.2
63 39.4 29.3 43.9



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: 129.682 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

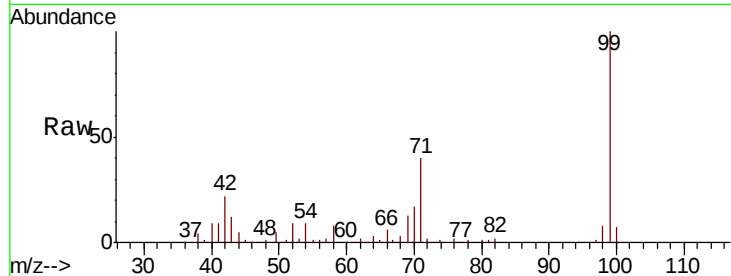
Tgt Ion: 99 Resp: 236361

Ion Ratio Lower Upper

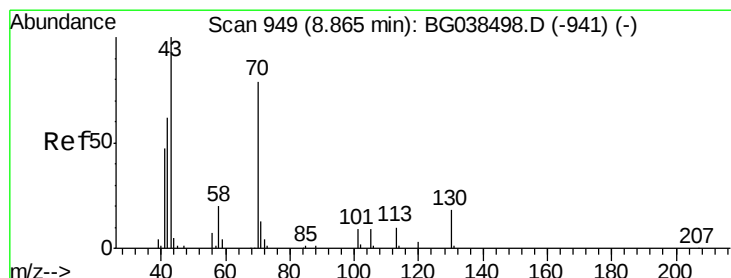
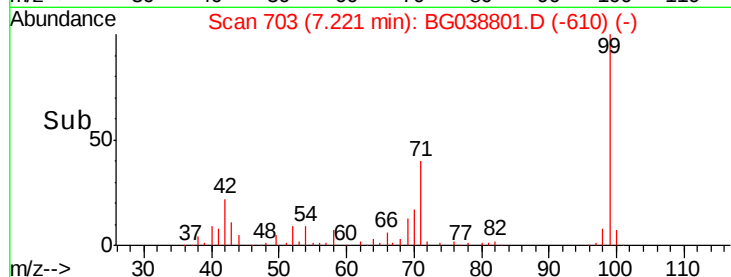
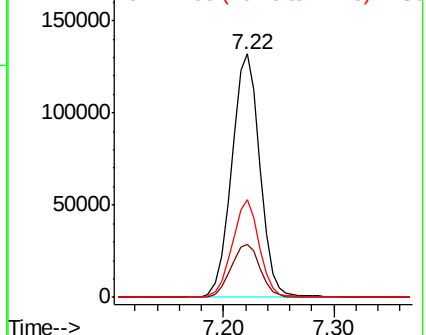
99 100

42 21.7 18.5 27.7

71 40.2 31.1 46.7



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: 18.791 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Tgt Ion: 70 Resp: 24055

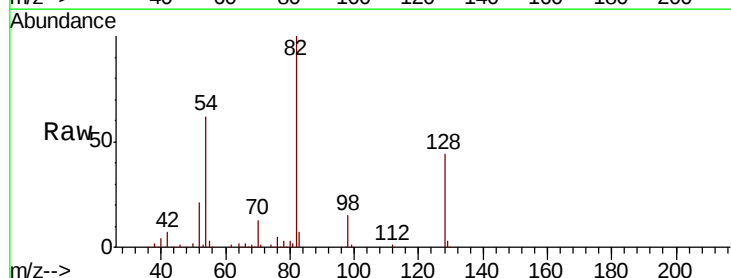
Ion Ratio Lower Upper

70 100

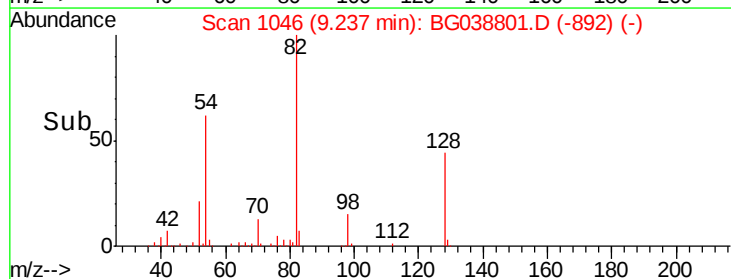
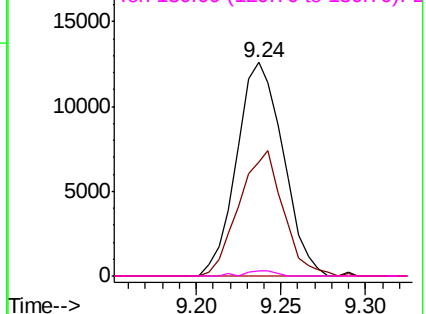
42 53.2 63.6 95.4#

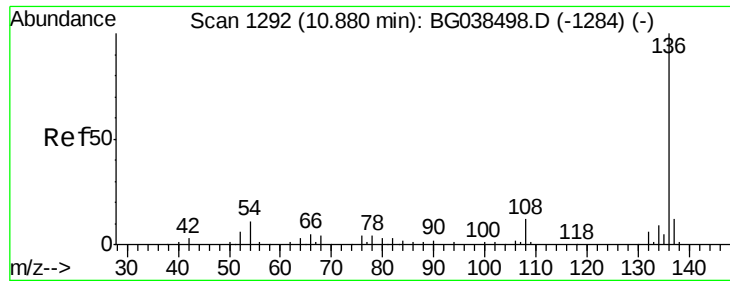
101 0.0 9.2 13.8#

130 2.3 18.5 27.7#



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

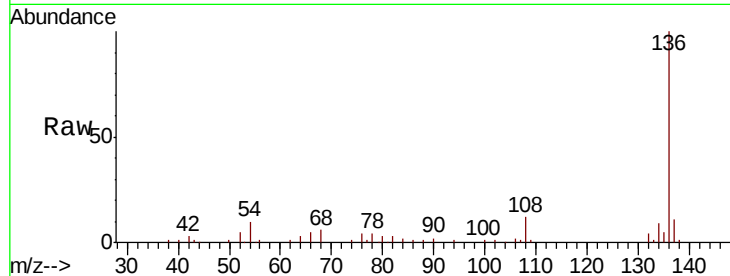




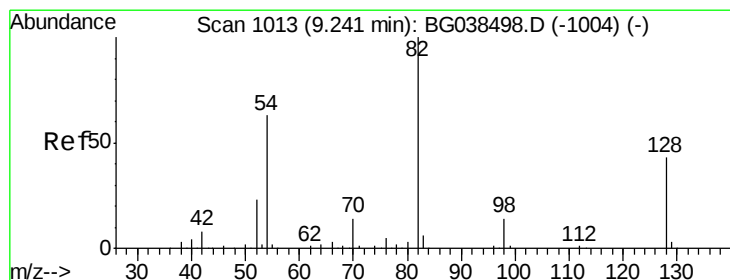
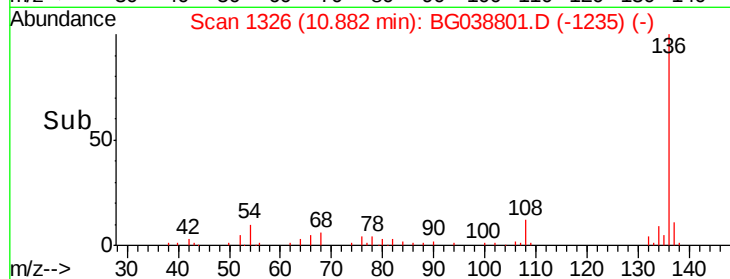
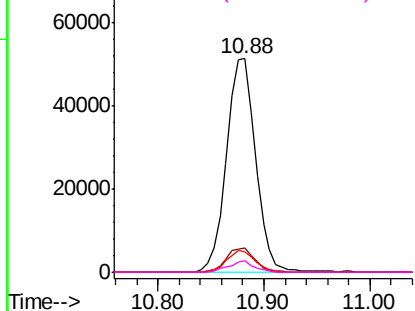
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tgt Ion: 136 Resp: 97904
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 9.9 8.5 12.7
68 5.6 3.5 5.3#

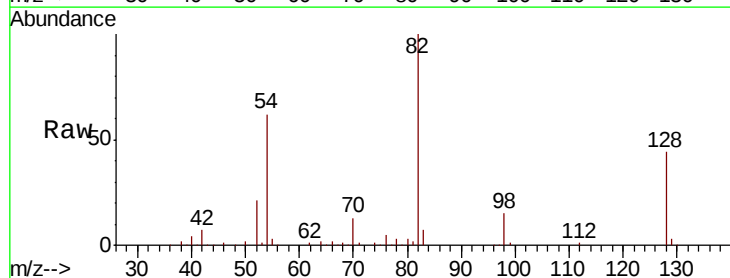


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

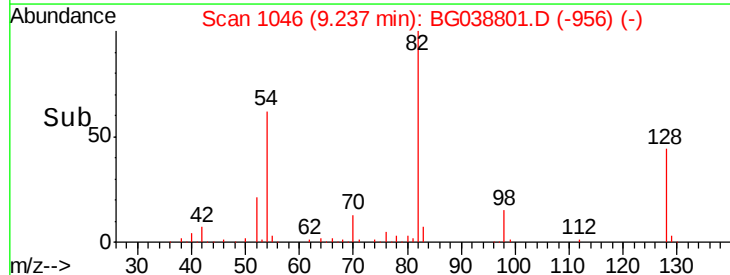
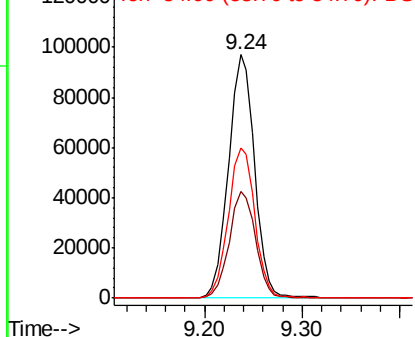


#23
Nitrobenzene-d5
Concen: 94.001 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Tgt Ion: 82 Resp: 180144
Ion Ratio Lower Upper
82 100
128 44.0 34.6 52.0
54 61.8 50.6 76.0



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: 14.70 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

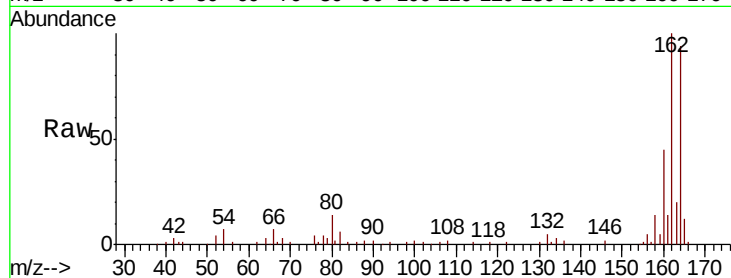
Tgt Ion:164 Resp: 71155

Ion Ratio Lower Upper

164 100

162 106.7 86.6 130.0

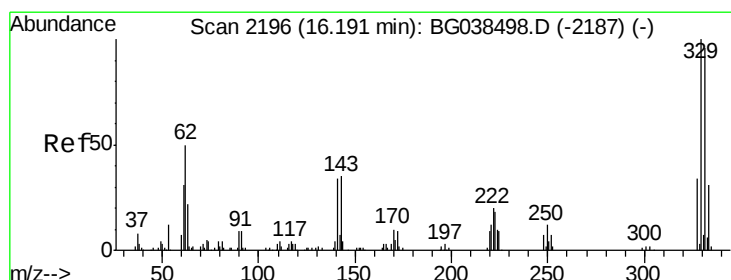
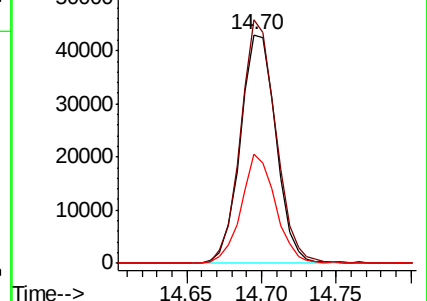
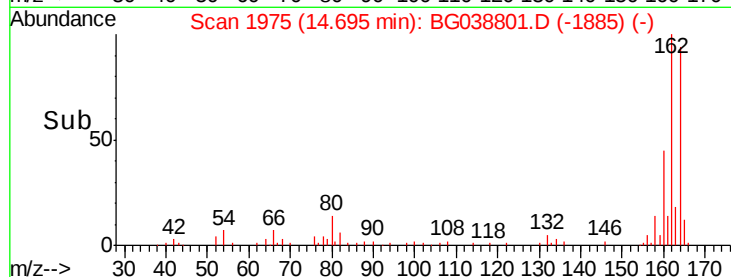
160 48.0 34.2 51.2



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: 164.743 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

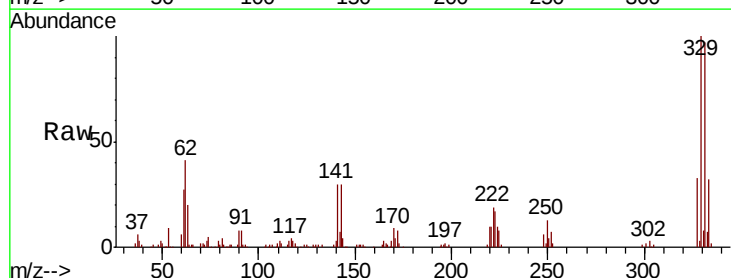
Tgt Ion:330 Resp: 161554

Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

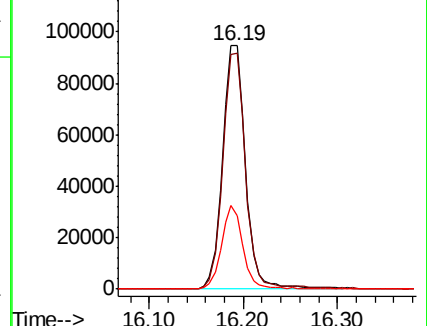
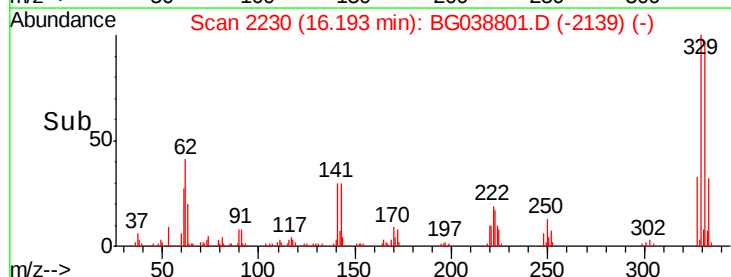
141 31.8 28.8 43.2

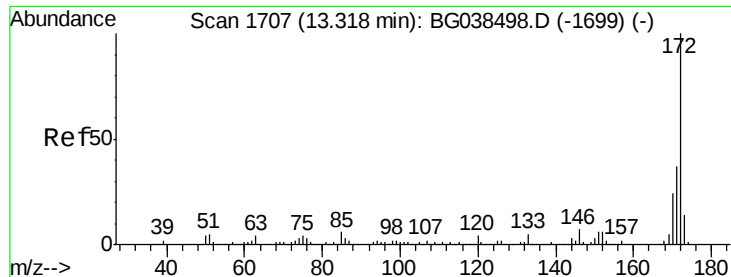


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

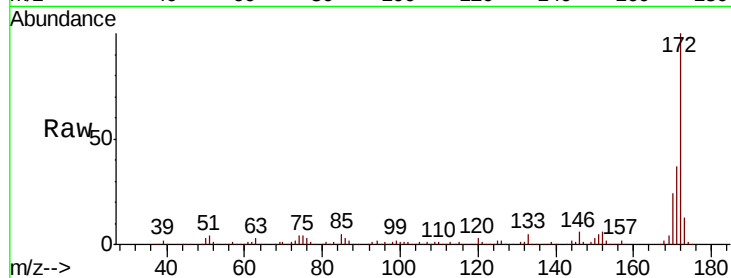




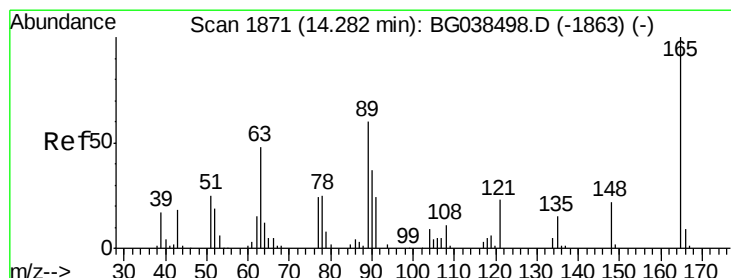
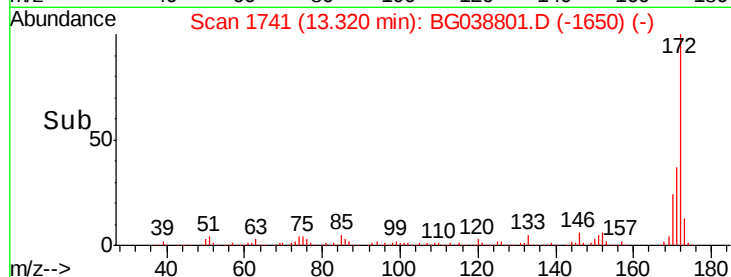
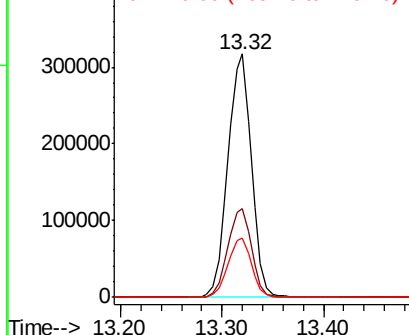
#45
 2-Fluorobiphenyl
 Concen: 98.615 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: BG038801.D
 Acq: 22 Dec 2018 00:42

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tgt Ion:172 Resp: 511494
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.8 44.6
 170 24.3 19.5 29.3

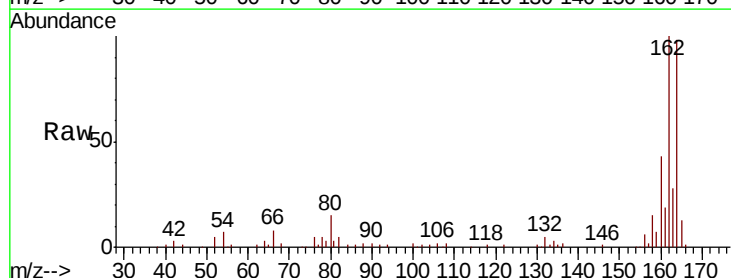


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

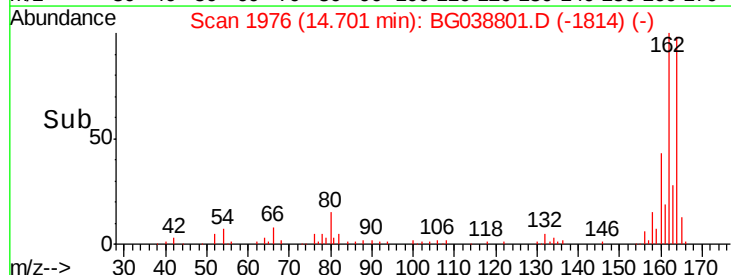
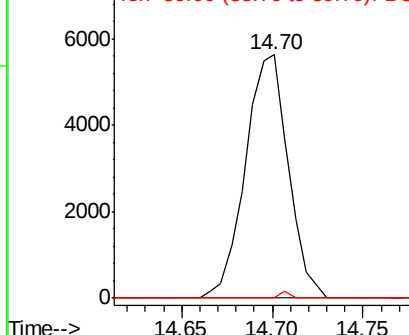


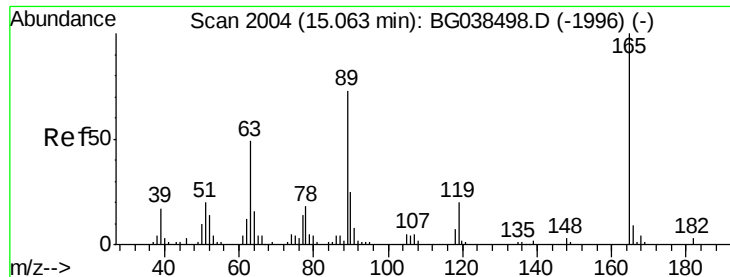
#51
 2,6-Dinitrotoluene
 Concen: 7.015 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038801.D
 Acq: 22 Dec 2018 00:42

Tgt Ion:165 Resp: 9237
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#



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

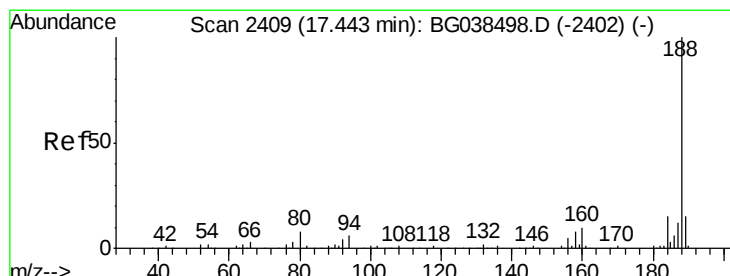
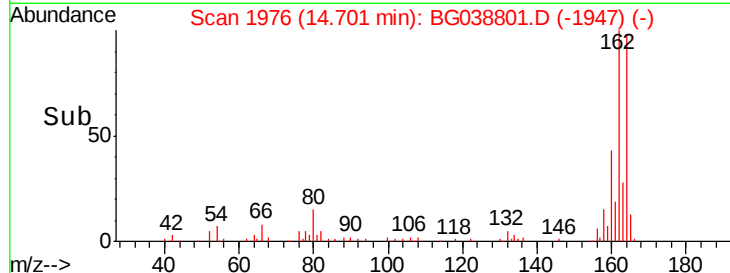
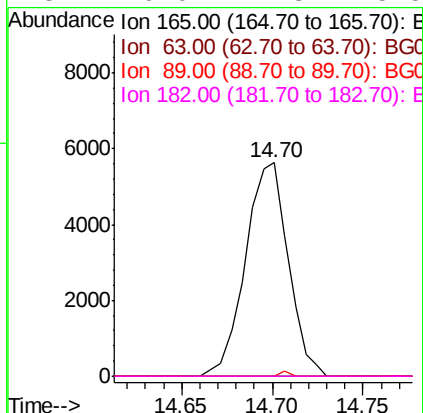
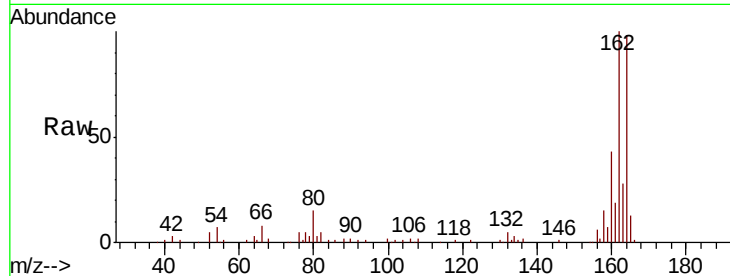




#57
 2,4-Dinitrotoluene
 Concen: 4.980 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG038801.D
 Acq: 22 Dec 2018 00:42

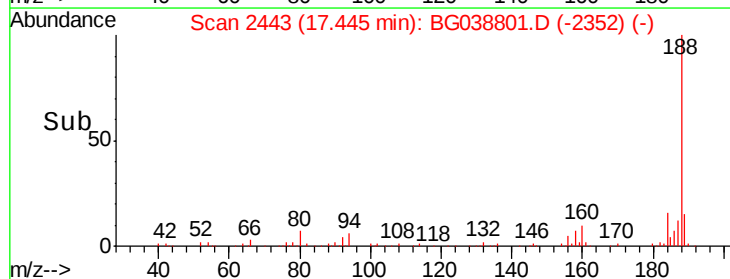
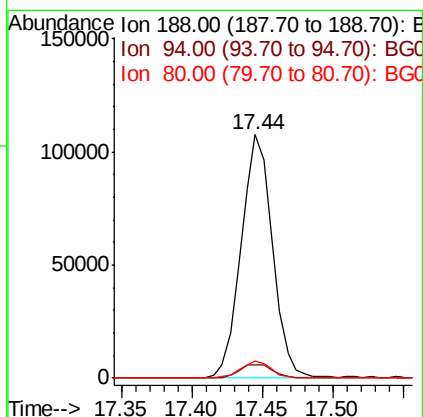
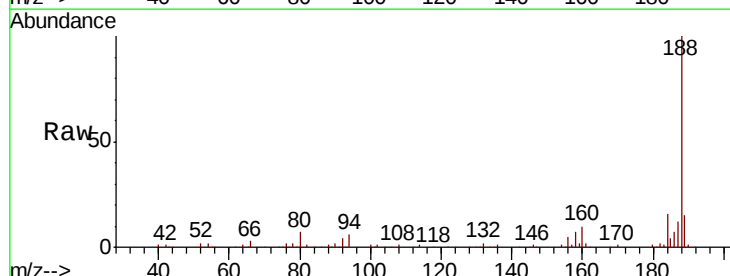
Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tgt Ion:165 Resp: 9237
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038801.D
 Acq: 22 Dec 2018 00:42

Tgt Ion:188 Resp: 167320
 Ion Ratio Lower Upper
 188 100
 94 5.7 5.1 7.7
 80 6.8 6.1 9.1

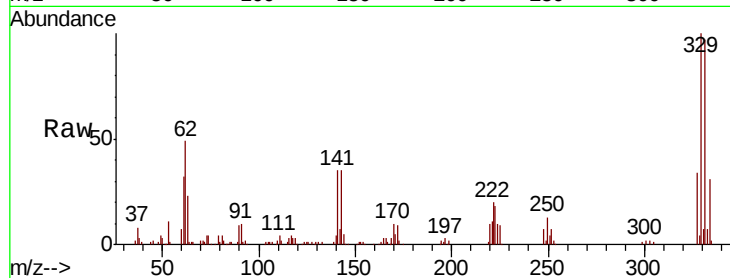




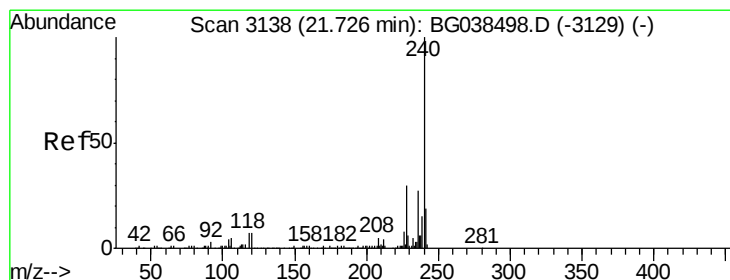
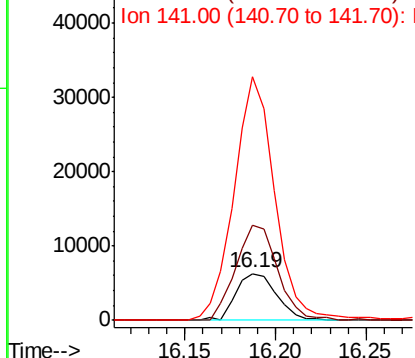
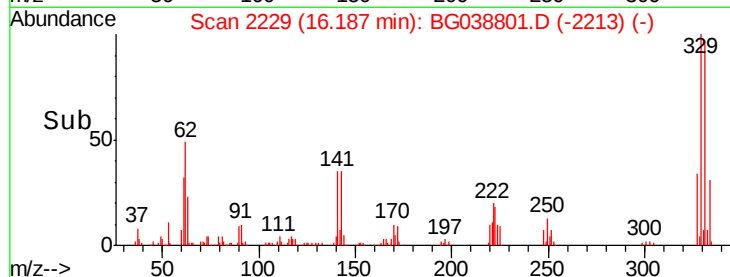
#67
4-Bromophenyl-phenylether
Concen: 4.798 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tgt Ion:248 Resp: 9805
Ion Ratio Lower Upper
248 100
250 200.5 73.4 110.2#
141 389.4 52.9 79.3#

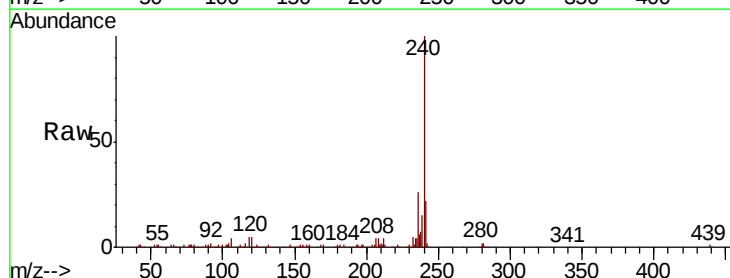


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

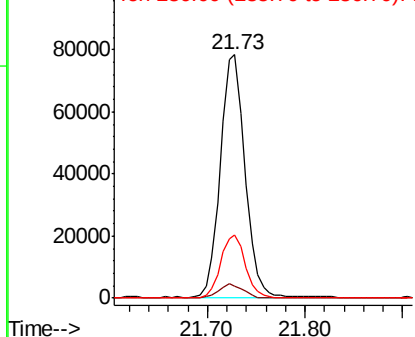
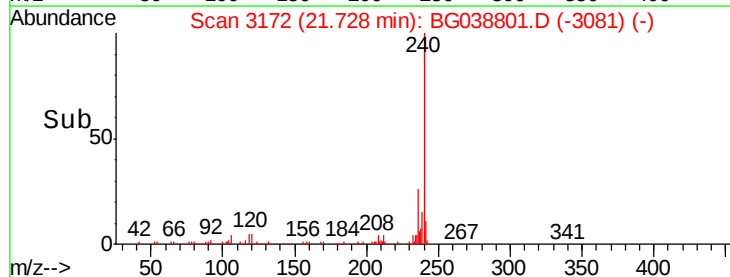


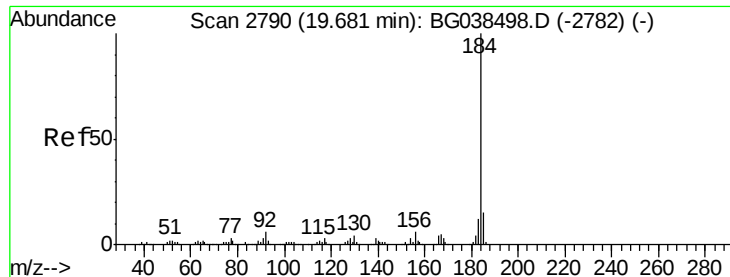
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3172
Delta R.T. 0.00 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Tgt Ion:240 Resp: 138733
Ion Ratio Lower Upper
240 100
120 5.1 5.3 7.9#
236 25.7 21.4 32.2



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: 3.382 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.37 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Instrument :

BNA_G

ClientSampled :

GROUNDWATER

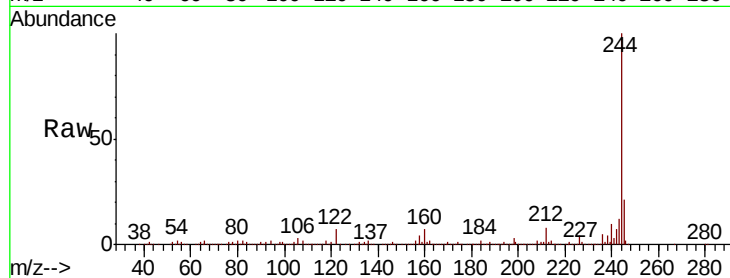
Tgt Ion:184 Resp: 13876

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

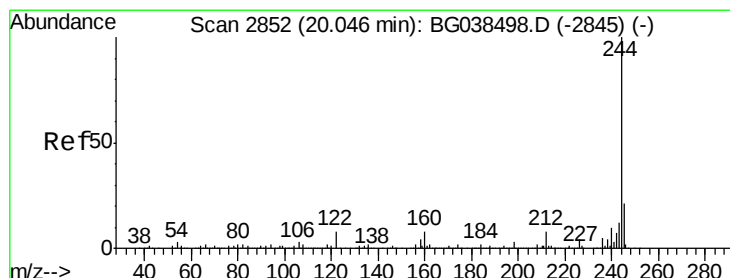
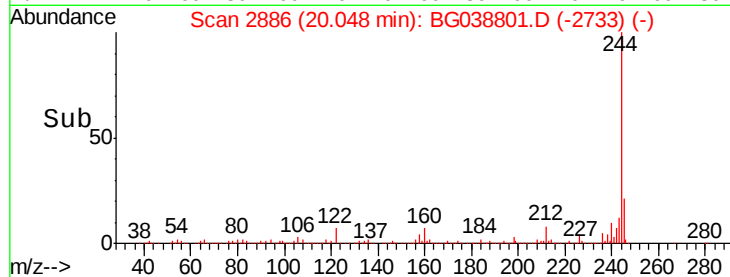
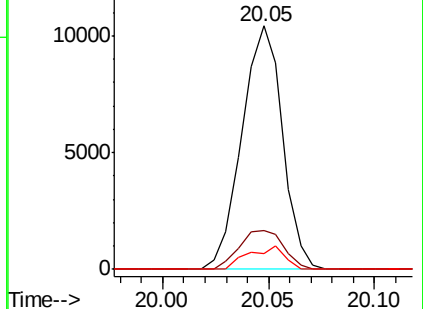
183 6.5 9.6 14.4#



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: 130.184 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

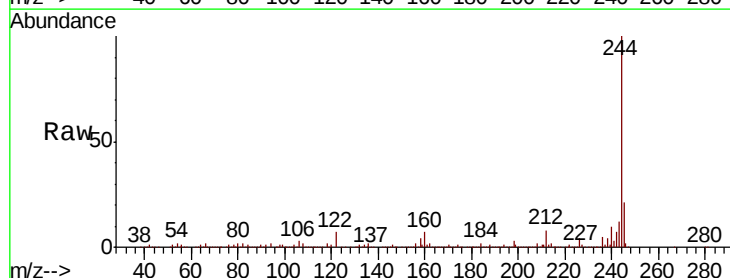
Tgt Ion:244 Resp: 829872

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

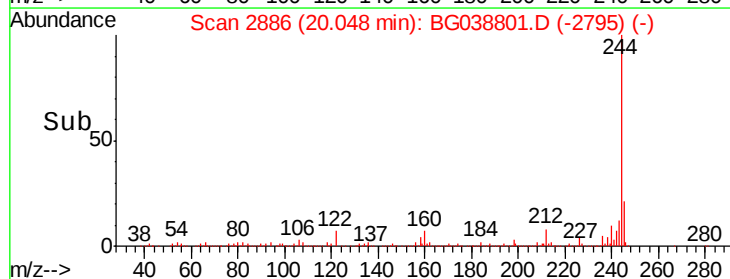
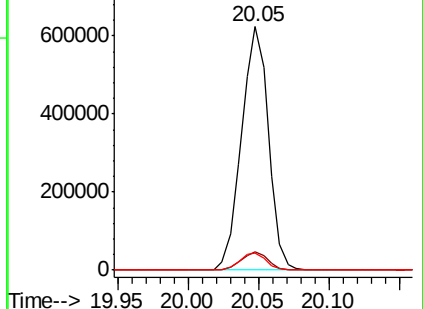
122 7.1 6.3 9.5

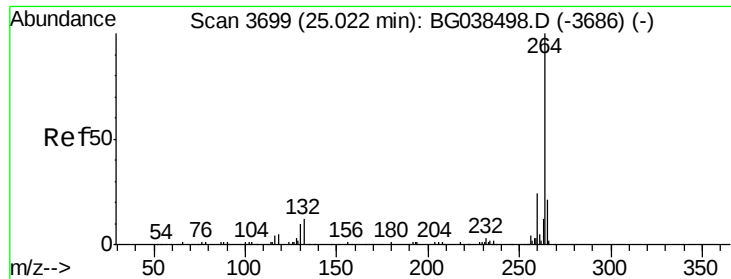


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.03 min Scan# 3734
Delta R.T. 0.01 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.2	17.0	25.4

