

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121318\
 Data File : BG038543.D
 Acq On : 13 Dec 2018 22:01
 Operator : JU/SJ
 Sample : J6356-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

Quant Time: Dec 13 23:16:52 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	22425	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	94151	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	61436	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	153919	20.00	ng	0.00
76) Chrysene-d12	21.72	240	156037	20.00	ng	0.00
87) Perylene-d12	25.02	264	169694	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	101253	80.08	ng	0.00
7) Phenol-d6	7.21	99	89956	51.83	ng	0.00
23) Nitrobenzene-d5	9.23	82	204850	111.15	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	151202	178.58	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	459697	102.65	ng	0.00
79) Terphenyl-d14	20.04	244	857640	119.62	ng	0.00

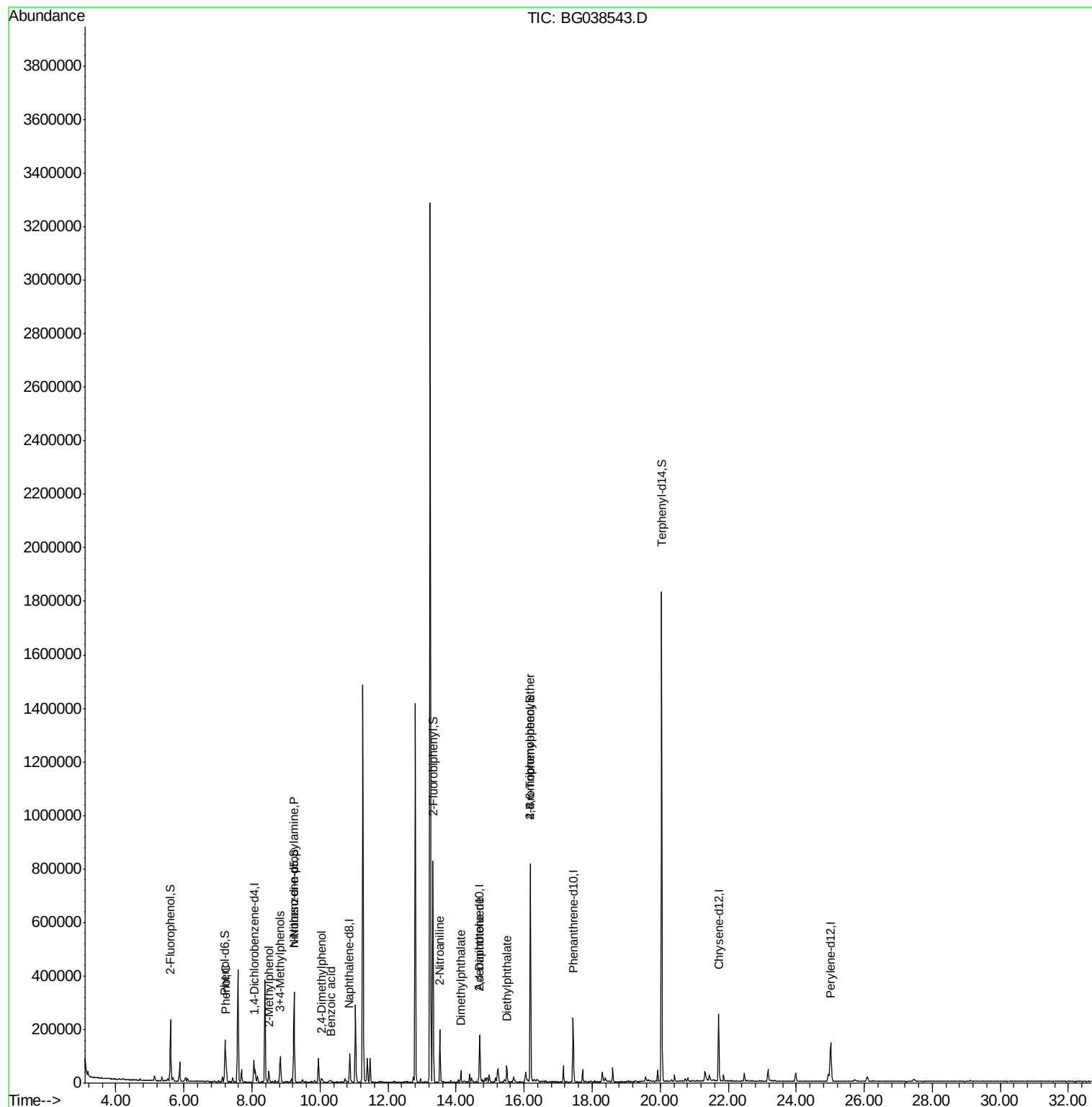
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	31168	16.902	ng	98
17) 2-Methylphenol	8.49	107	12717	10.293	ng	99
19) n-Nitroso-di-n-propylamine	9.23	70	27522	22.576	ng	# 65
20) 3+4-Methylphenols	8.83	107	45633	26.745	ng	98
27) 2,4-Dimethylphenol	10.04	122	4914	3.593	ng	# 84
32) Benzoic acid	10.31	122	2620	12.542	ng	# 27
48) 2-Nitroaniline	13.52	65	5988	4.725	ng	# 18
50) Dimethylphthalate	14.14	163	28632	5.707	ng	# 97
57) 2,4-Dinitrotoluene	14.69	165	8099	5.058	ng	# 21
60) Diethylphthalate	15.49	149	34359	6.238	ng	98
67) 4-Bromophenyl-phenylether	16.18	248	10032	5.337	ng	# 1

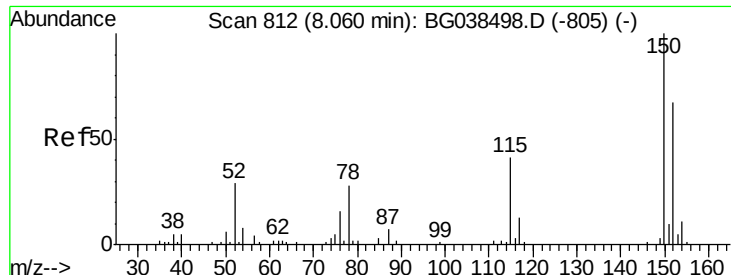
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER

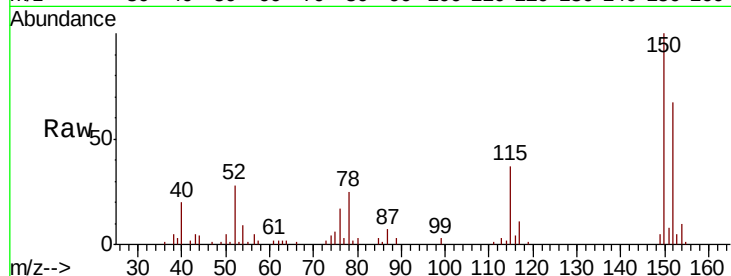
Tgt Ion:152 Resp: 22425

Ion Ratio Lower Upper

152 100

150 148.6 119.5 179.3

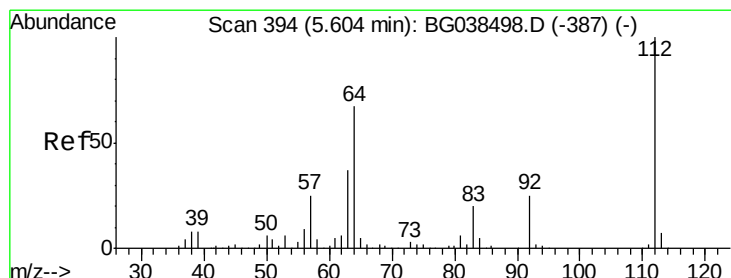
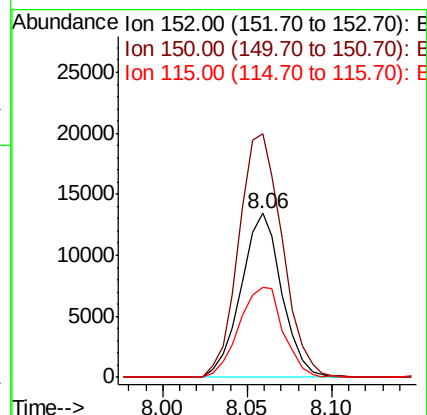
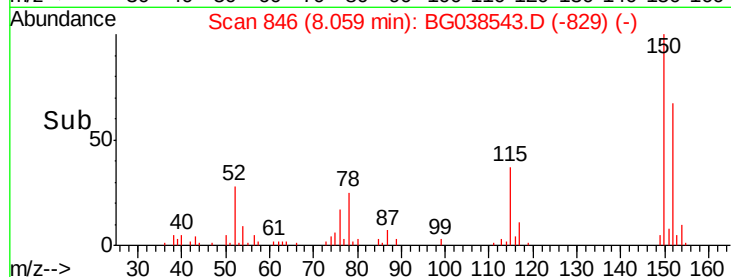
115 55.1 49.6 74.4



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: 80.084 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

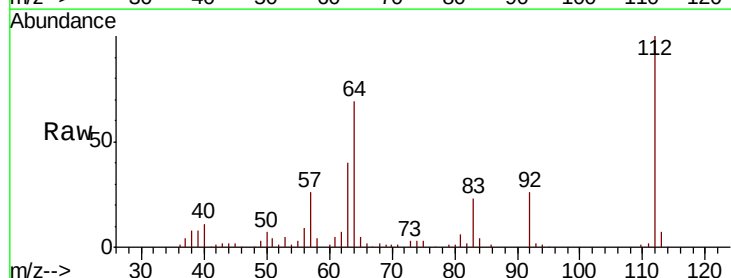
Tgt Ion:112 Resp: 101253

Ion Ratio Lower Upper

112 100

64 69.0 53.4 80.2

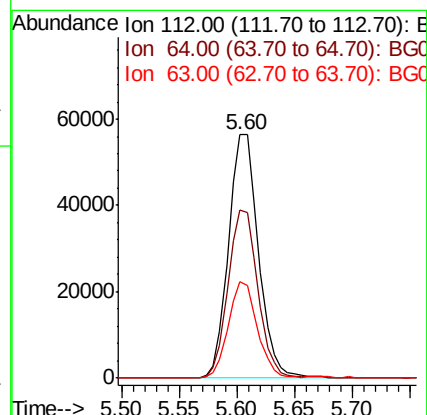
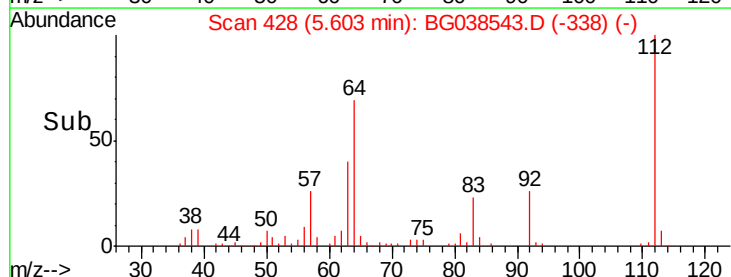
63 39.8 29.3 43.9

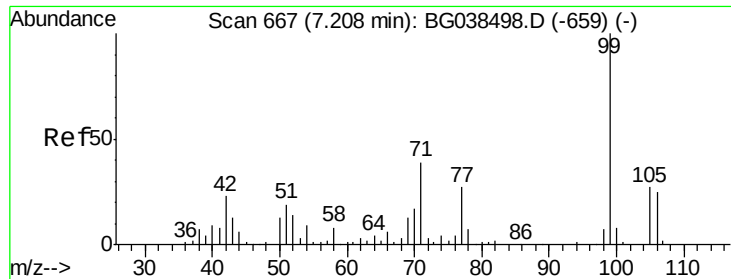


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 51.827 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER

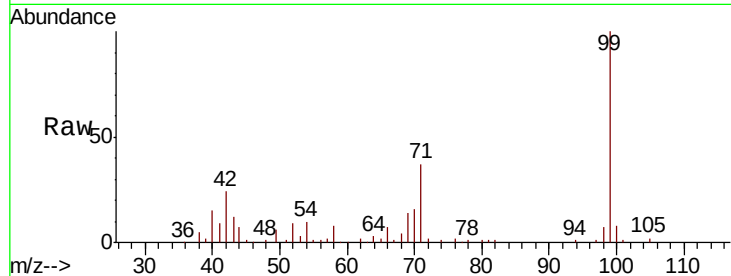
Tgt Ion: 99 Resp: 89956

Ion Ratio Lower Upper

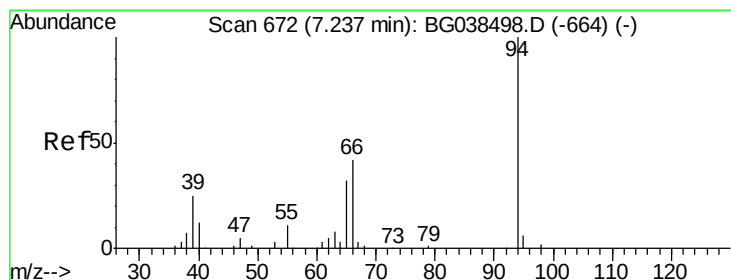
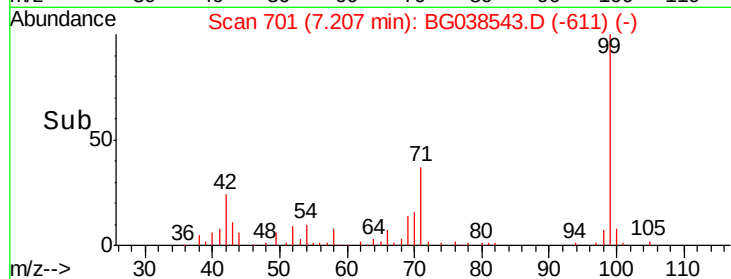
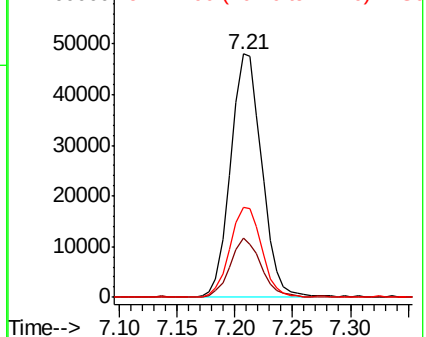
99 100

42 24.1 18.5 27.7

71 37.1 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



#10

Phenol

Concen: 16.902 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

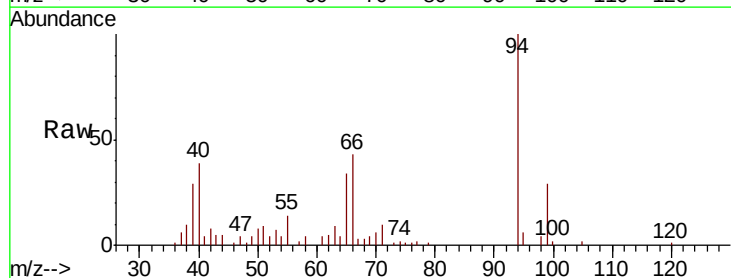
Tgt Ion: 94 Resp: 31168

Ion Ratio Lower Upper

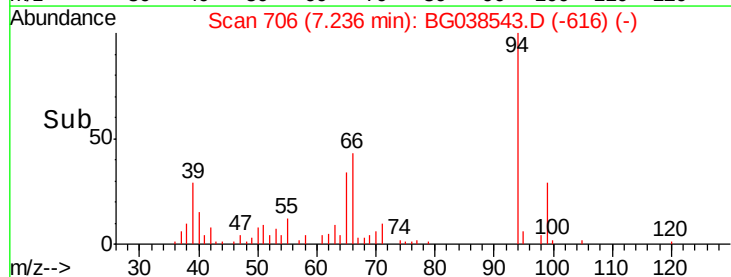
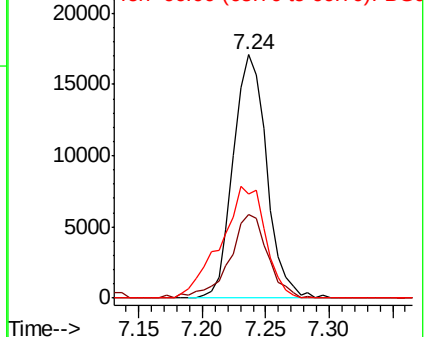
94 100

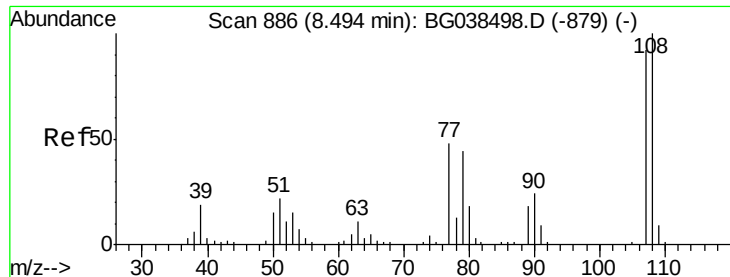
65 34.3 12.6 52.6

66 42.9 24.1 64.1



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

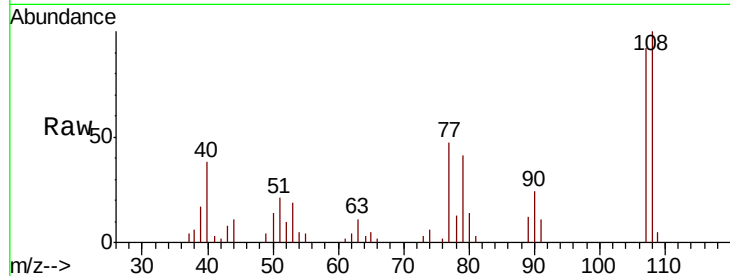




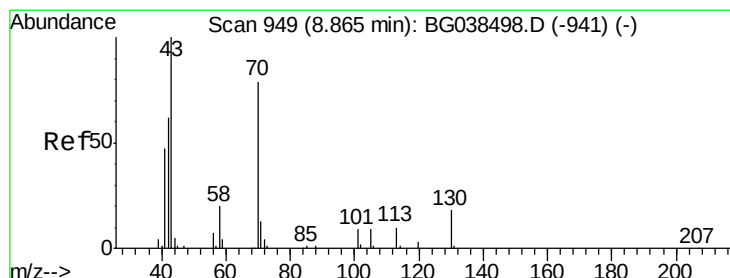
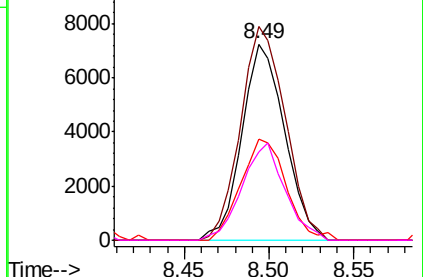
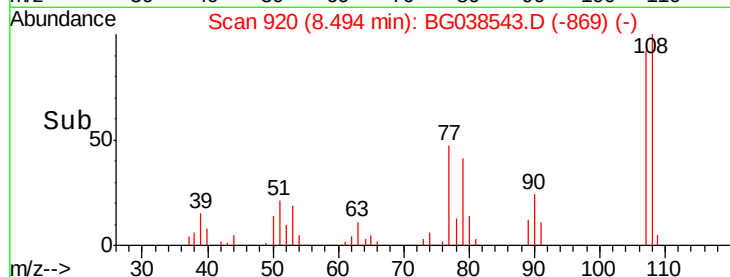
#17
2-Methylphenol
Concen: 10.293 ng
RT: 8.49 min Scan# 920
Delta R.T. -0.00 min
Lab File: BG038543.D
Acq: 13 Dec 2018 22:01

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Tgt Ion:107 Resp: 12717
Ion Ratio Lower Upper
107 100
108 109.0 87.1 130.7
77 51.7 42.0 63.0
79 45.2 38.2 57.2

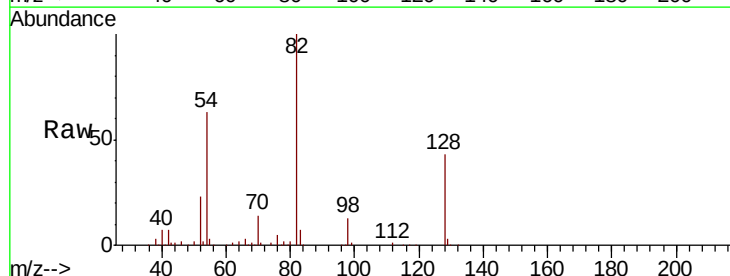


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

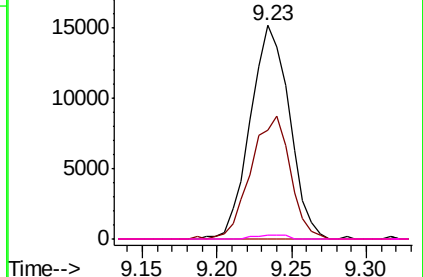
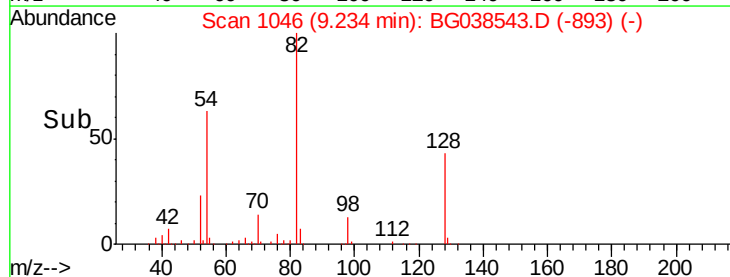


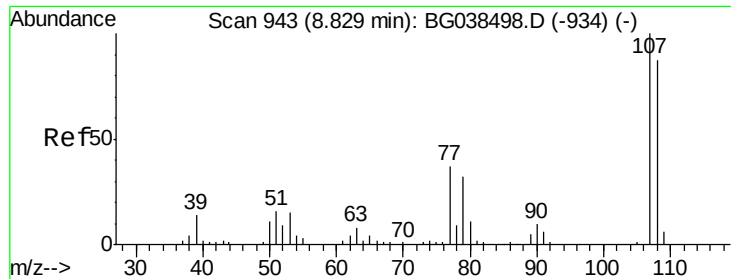
#19
n-Nitroso-di-n-propylamine
Concen: 22.576 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038543.D
Acq: 13 Dec 2018 22:01

Tgt Ion: 70 Resp: 27522
Ion Ratio Lower Upper
70 100
42 50.7 63.6 95.4#
101 0.0 9.2 13.8#
130 1.9 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BG
Ion 42.00 (41.70 to 42.70): BG
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

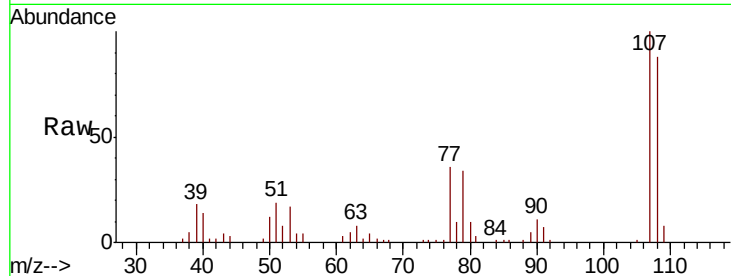




#20
 3+4-Methylphenols
 Concen: 26.745 ng
 RT: 8.83 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

Tgt Ion:	107	Resp:	45633
Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.7	106.7
77	36.0	17.3	57.3
79	34.2	12.3	52.3



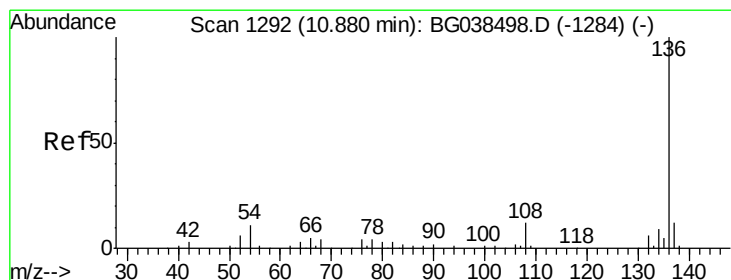
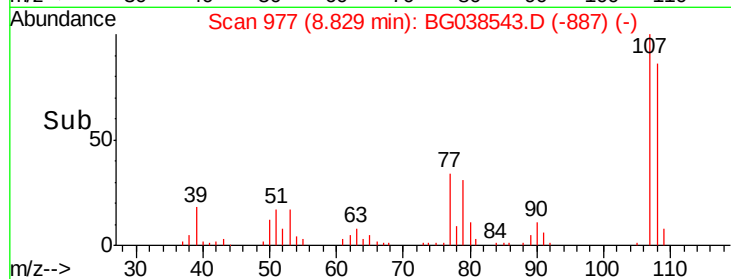
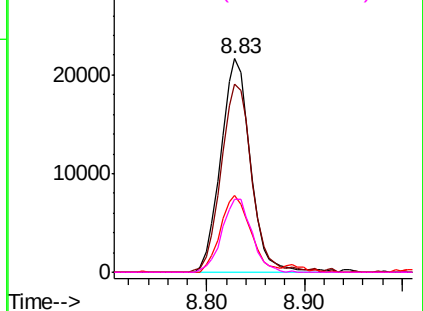
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

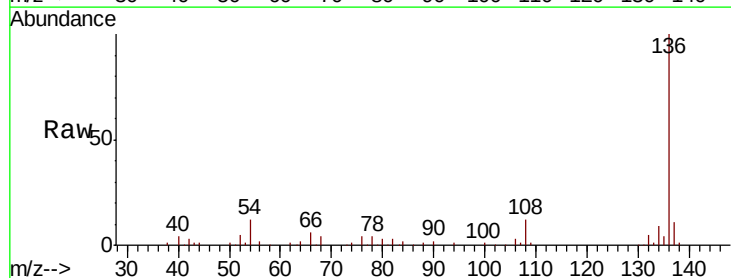
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.88 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

Tgt Ion:	136	Resp:	94151
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	11.5	8.5	12.7
68	4.4	3.5	5.3



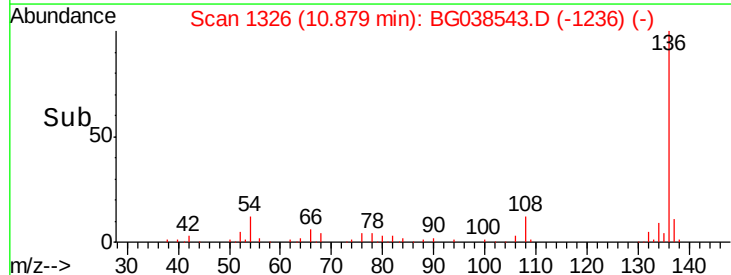
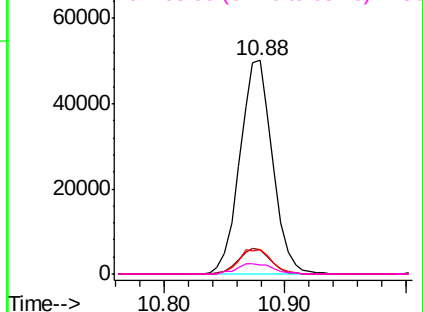
Abundance

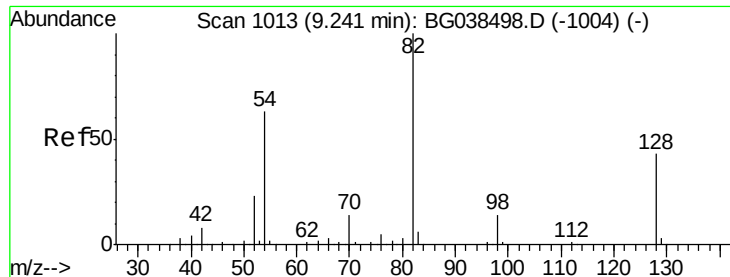
Ion 136.00 (135.70 to 136.70): E

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

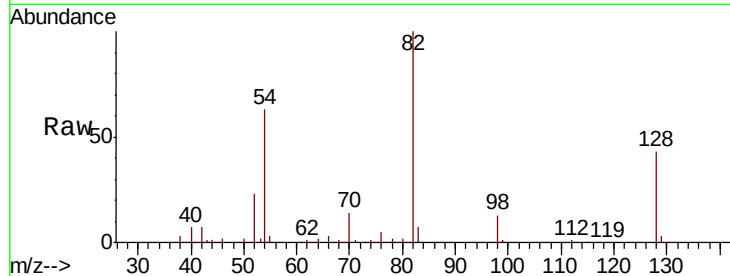




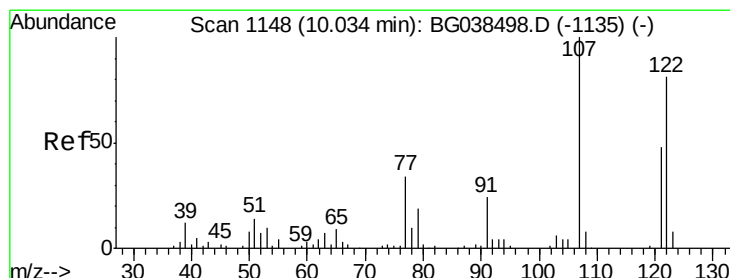
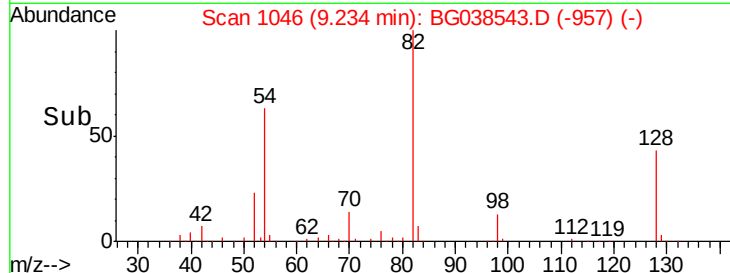
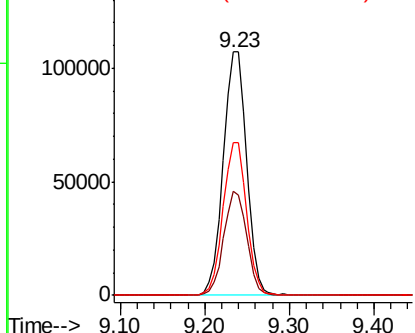
#23
 Nitrobenzene-d5
 Concen: 111.153 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

Tgt Ion: 82 Resp: 204850
 Ion Ratio Lower Upper
 82 100
 128 42.8 34.6 52.0
 54 62.9 50.6 76.0

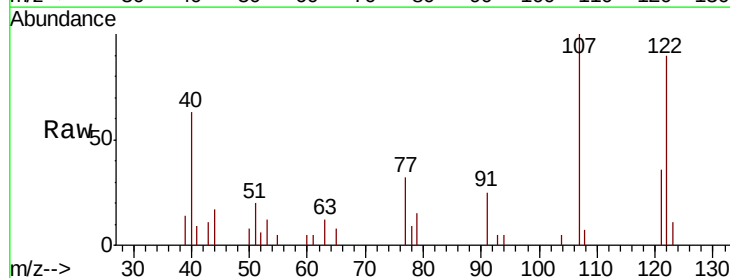


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

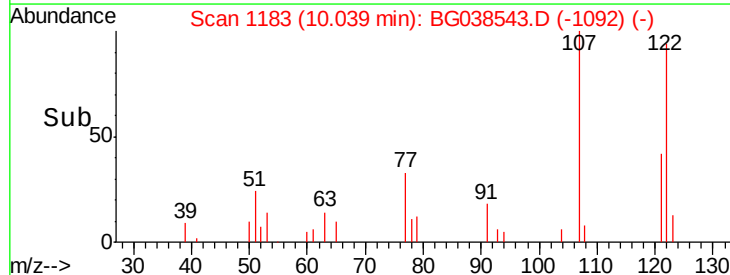
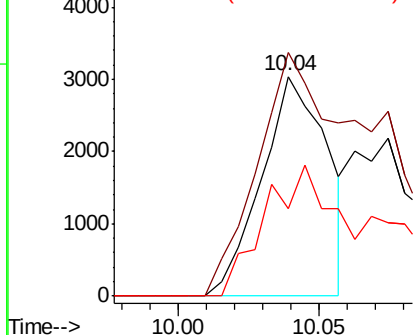


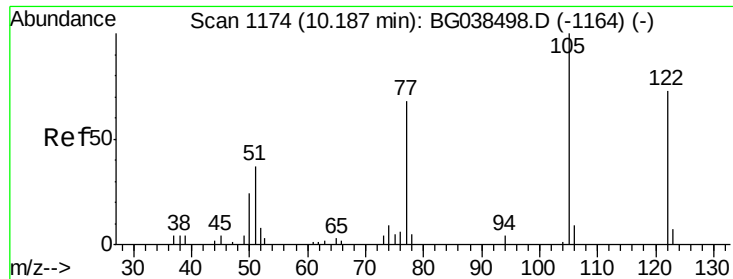
#27
 2,4-Dimethylphenol
 Concen: 3.593 ng
 RT: 10.04 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

Tgt Ion: 122 Resp: 4914
 Ion Ratio Lower Upper
 122 100
 107 110.9 98.4 147.6
 121 39.6 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 107.00 (106.70 to 107.70): BGC
 Ion 121.00 (120.70 to 121.70): BGC





#32

Benzoic acid

Concen: 12.542 ng

RT: 10.31 min Scan# 1229

Delta R.T. 0.12 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER

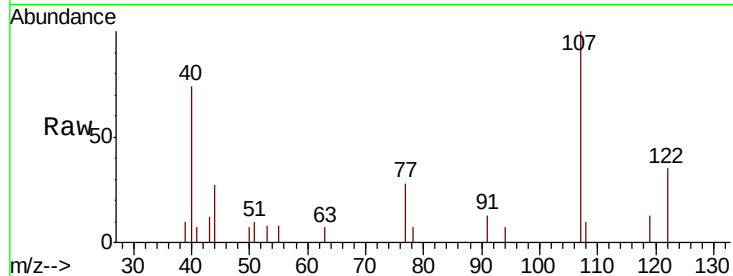
Tgt Ion:122 Resp: 2620

Ion Ratio Lower Upper

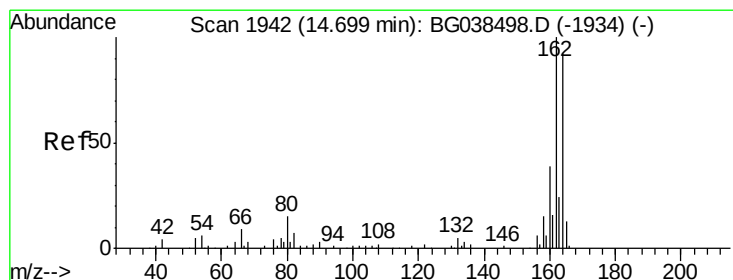
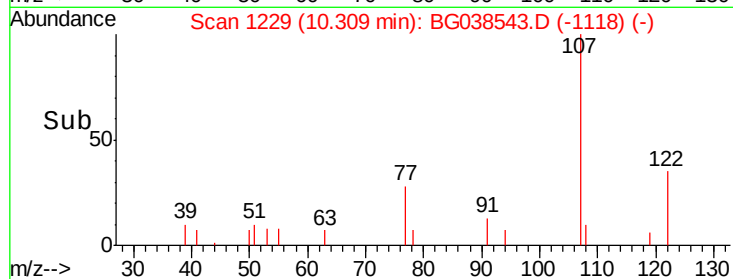
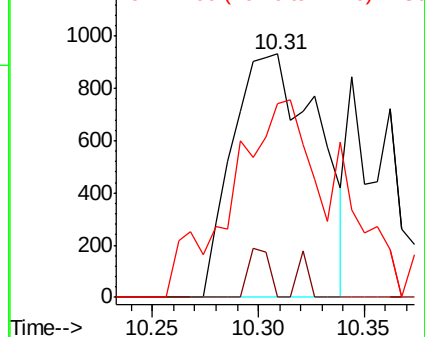
122 100

105 0.0 116.7 156.7#

77 79.4 72.5 112.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

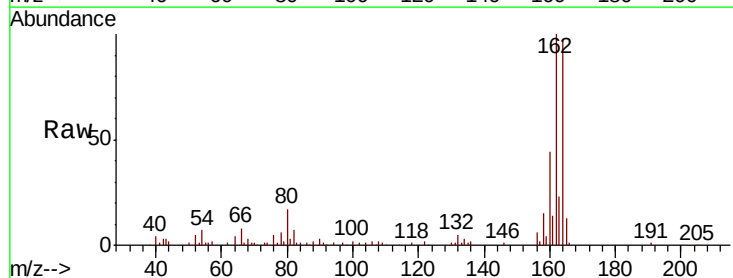
Tgt Ion:164 Resp: 61436

Ion Ratio Lower Upper

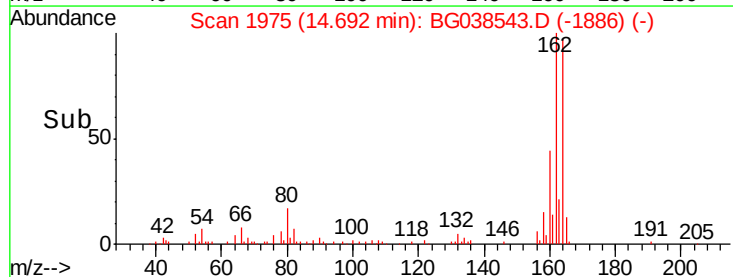
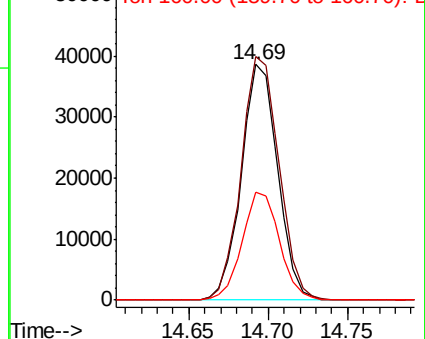
164 100

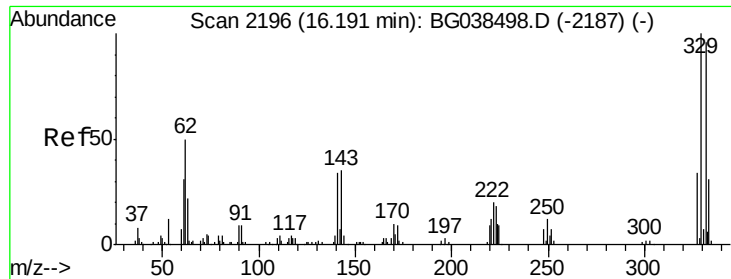
162 103.3 86.6 130.0

160 45.7 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: 178.578 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER

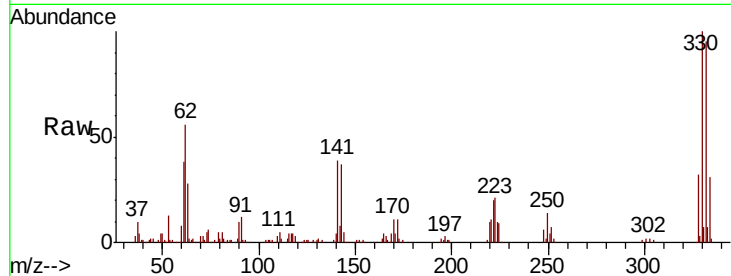
Tgt Ion:330 Resp: 151202

Ion Ratio Lower Upper

330 100

332 95.7 76.9 115.3

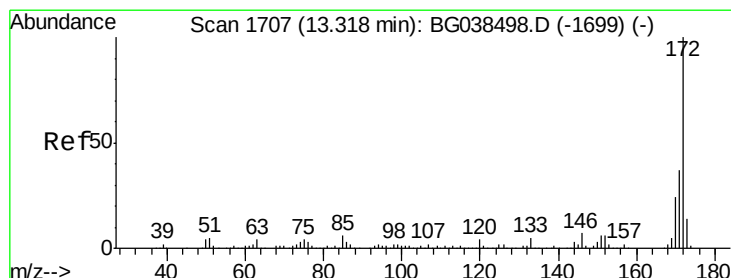
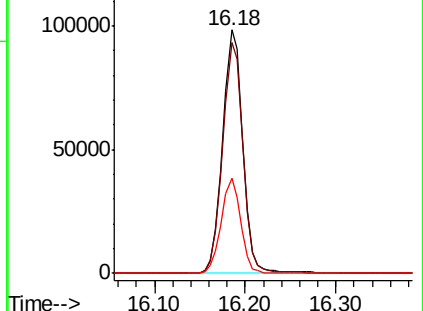
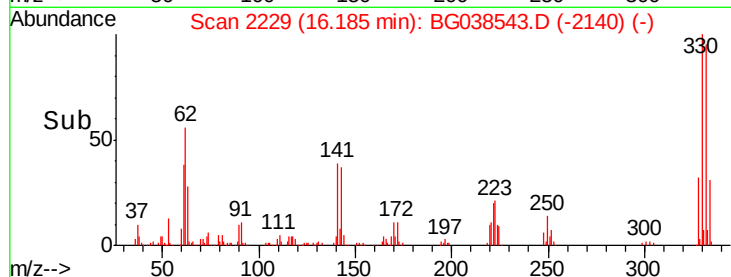
141 37.7 28.8 43.2



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: 102.649 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

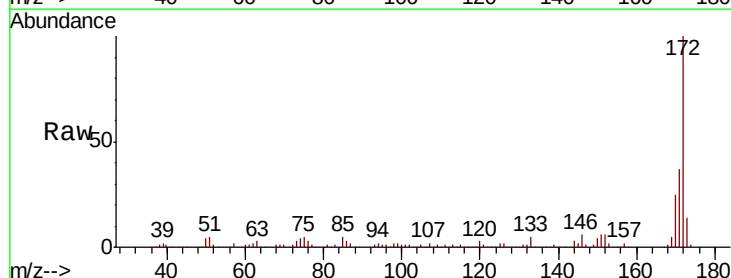
Tgt Ion:172 Resp: 459697

Ion Ratio Lower Upper

172 100

171 37.3 29.8 44.6

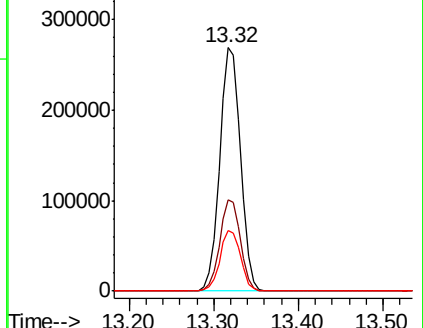
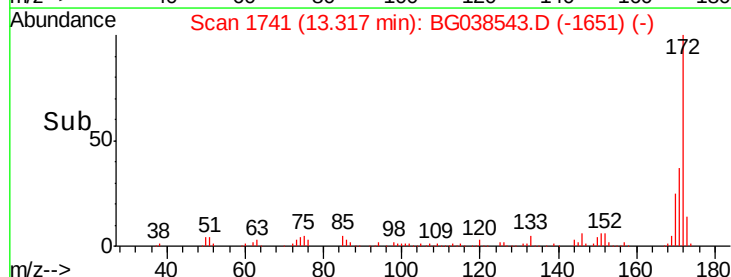
170 25.1 19.5 29.3

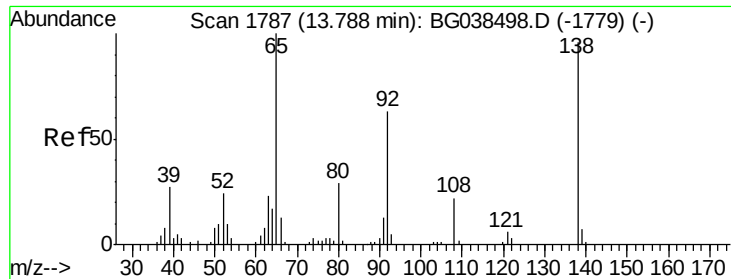


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

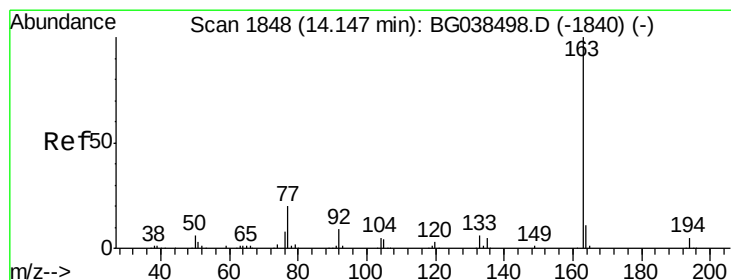
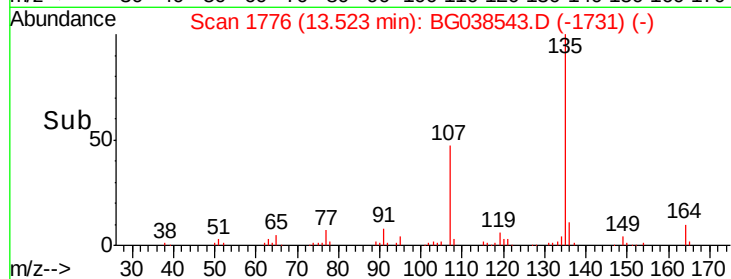
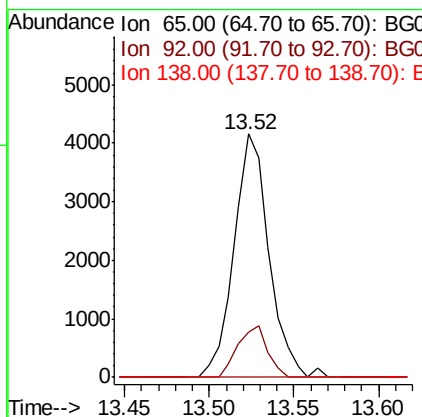
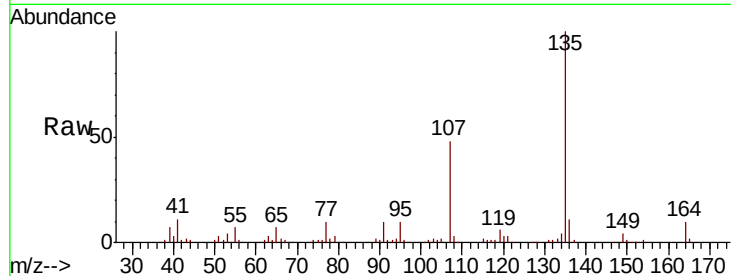




#48
 2-Nitroaniline
 Concen: 4.725 ng
 RT: 13.52 min Scan# 1776
 Delta R.T. -0.27 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

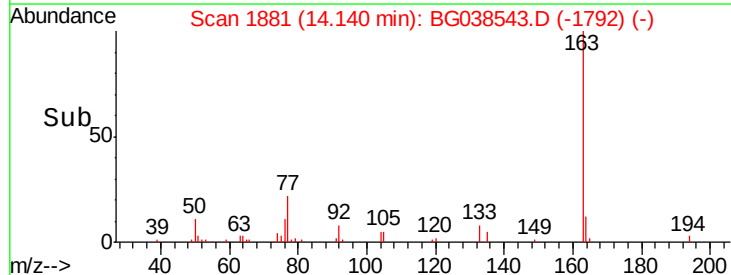
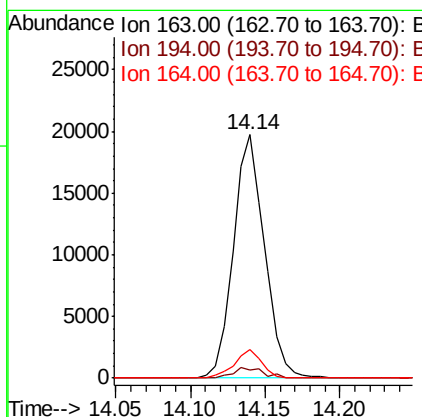
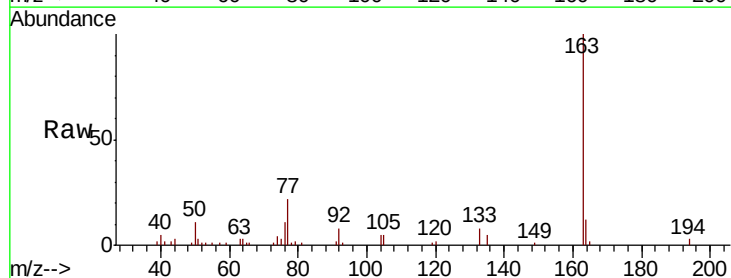
Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

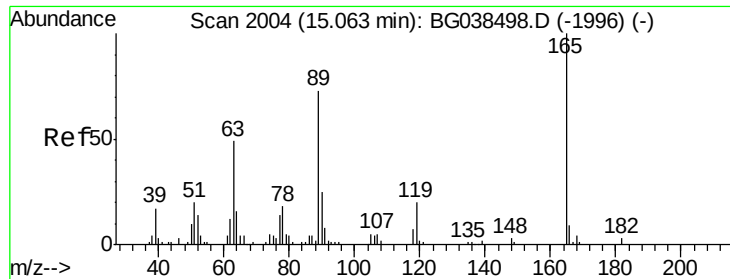
Tgt Ion: 65 Resp: 5988
 Ion Ratio Lower Upper
 65 100
 92 18.6 50.0 75.0#
 138 0.0 76.9 115.3#



#50
 Dimethylphthalate
 Concen: 5.707 ng
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.01 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

Tgt Ion: 163 Resp: 28632
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.7 5.5#
 164 11.9 8.6 12.8

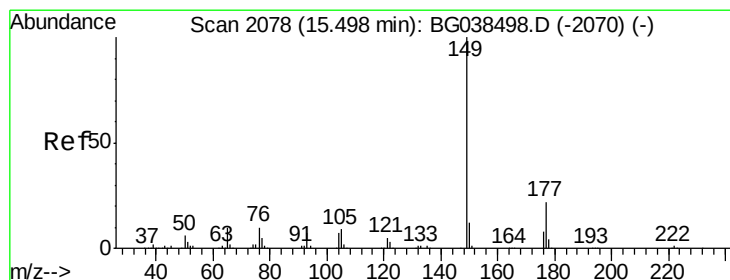
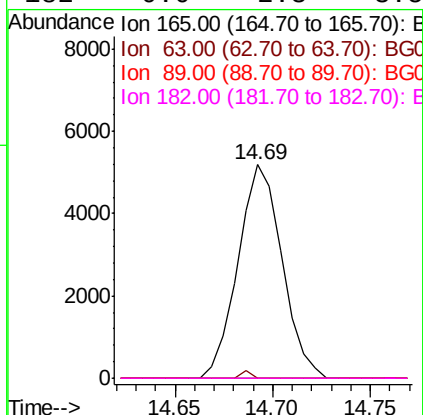
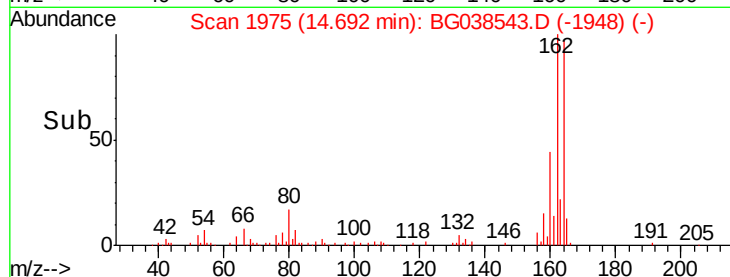
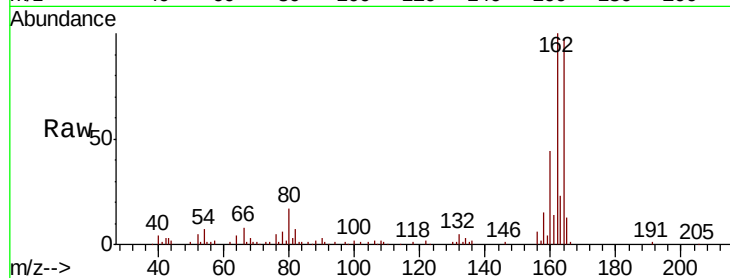




#57
2,4-Dinitrotoluene
Concen: 5.058 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038543.D
Acq: 13 Dec 2018 22:01

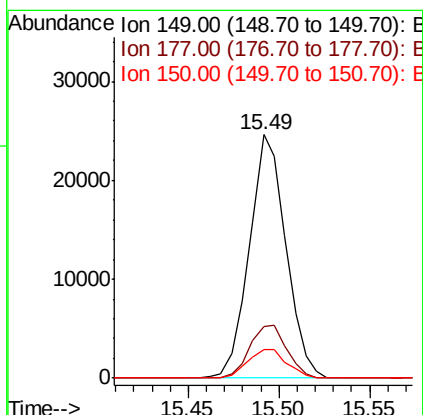
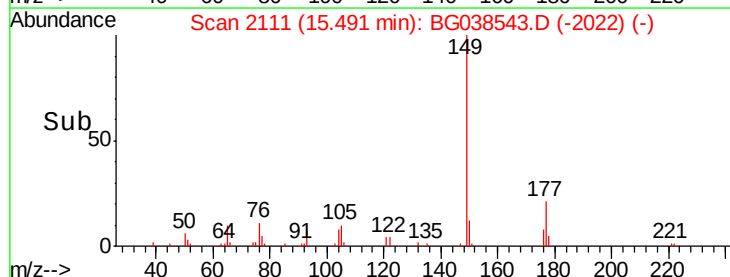
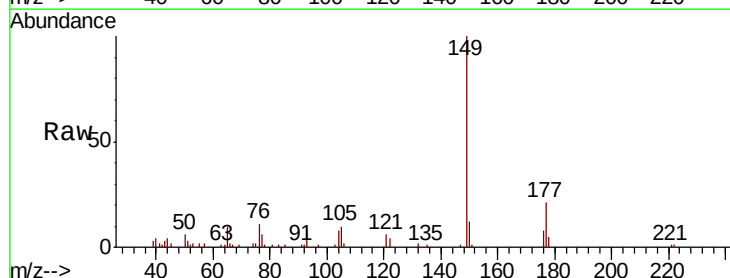
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

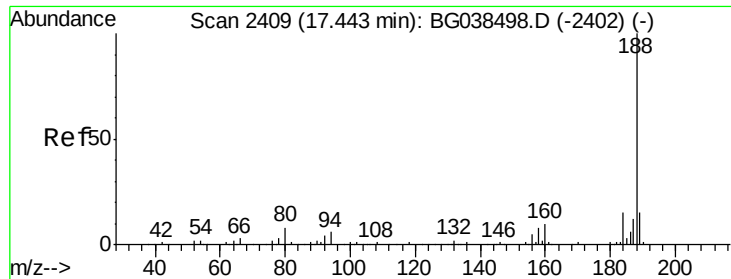
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#



#60
Diethylphthalate
Concen: 6.238 ng
RT: 15.49 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BG038543.D
Acq: 13 Dec 2018 22:01

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.7	26.5
150	11.9	9.9	14.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER

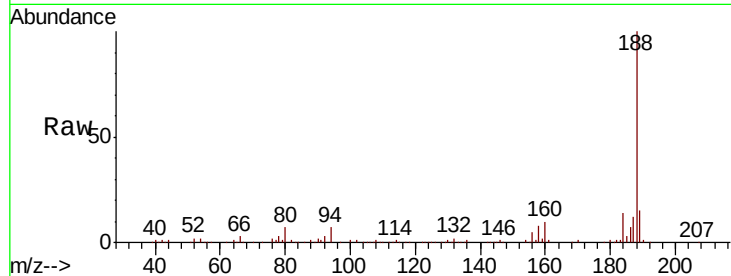
Tgt Ion:188 Resp: 153919

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

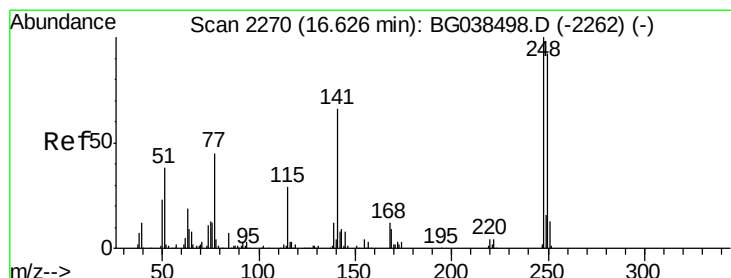
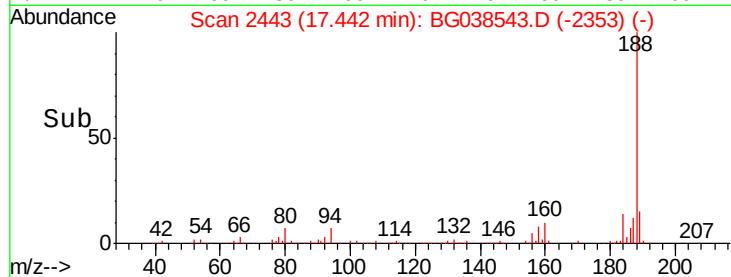
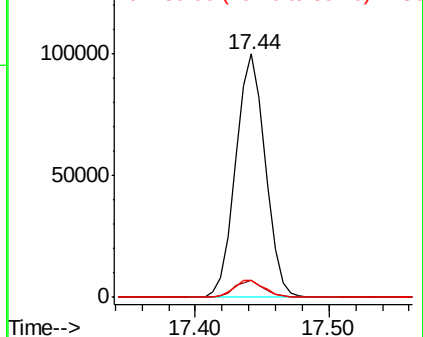
80 7.0 6.1 9.1



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



#67

4-Bromophenyl-phenylether

Concen: 5.337 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038543.D

Acq: 13 Dec 2018 22:01

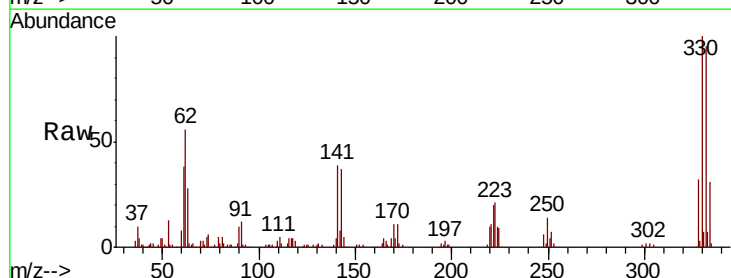
Tgt Ion:248 Resp: 10032

Ion Ratio Lower Upper

248 100

250 207.3 73.4 110.2#

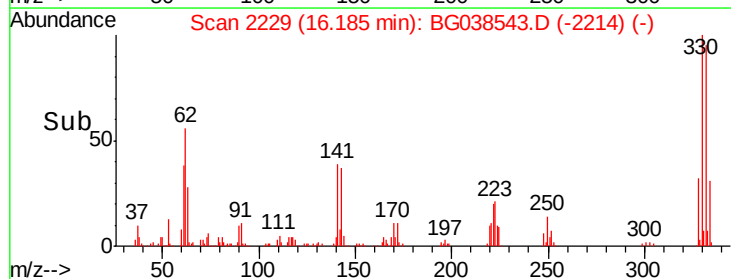
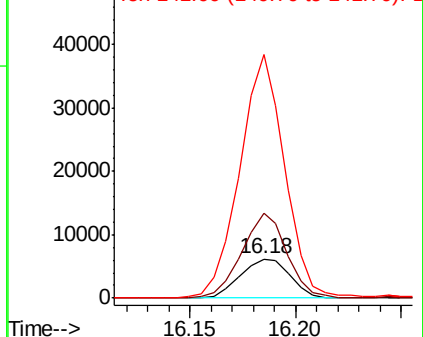
141 464.1 52.9 79.3#

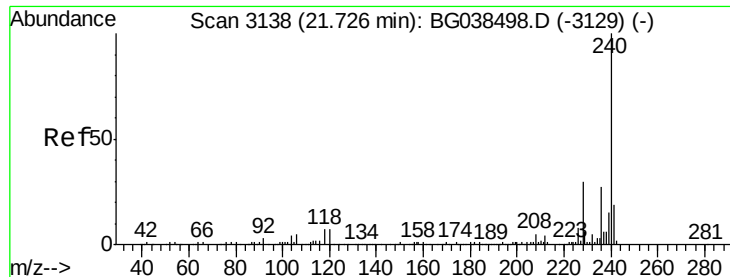


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

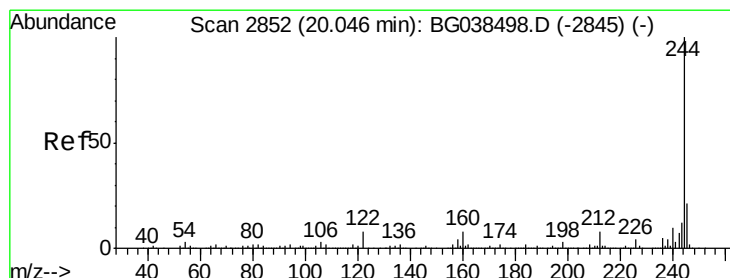
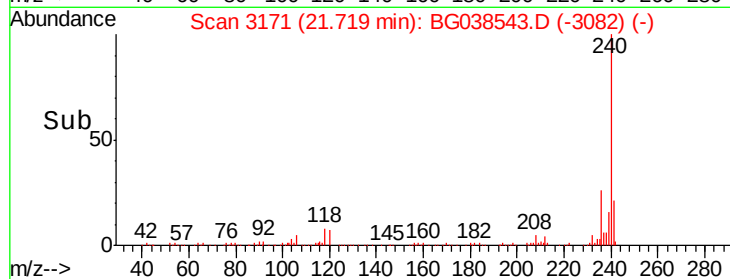
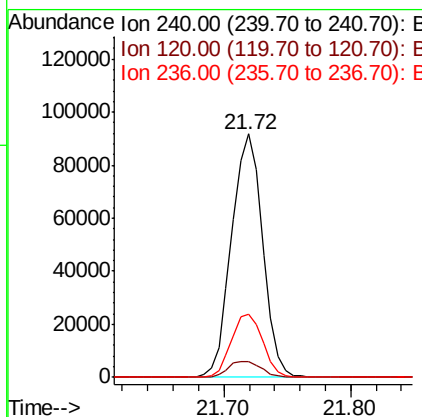
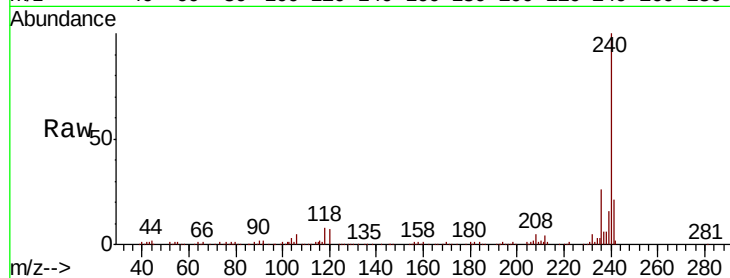




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

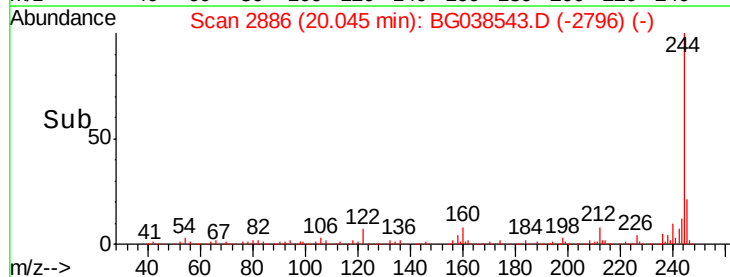
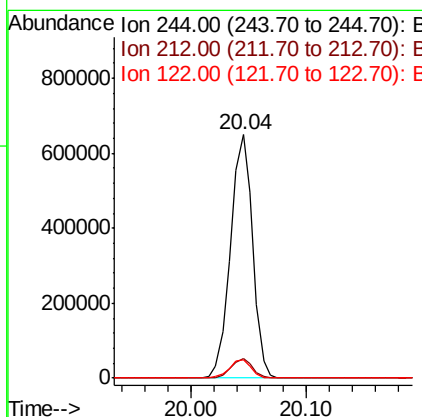
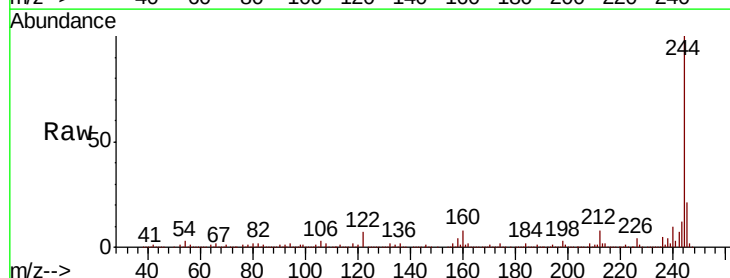
Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

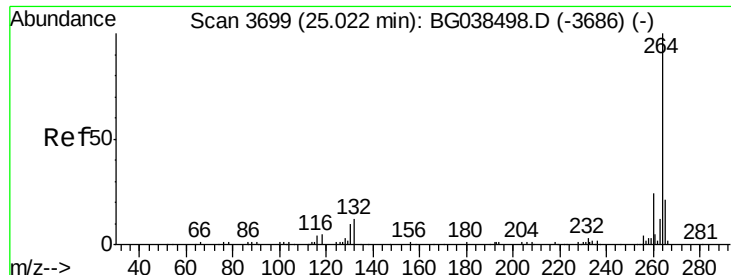
Tgt Ion:240 Resp: 156037
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.3 7.9
 236 25.9 21.4 32.2



#79
 Terphenyl-d14
 Concen: 119.620 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: BG038543.D
 Acq: 13 Dec 2018 22:01

Tgt Ion:244 Resp: 857640
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 7.5 6.3 9.5





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038543.D
Acq: 13 Dec 2018 22:01

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Tgt Ion:	264	Resp:	169694
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.9	28.3
265	20.5	17.0	25.4

