

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122118\
 Data File : BG038797.D
 Acq On : 21 Dec 2018 22:04
 Operator : JU/SJ
 Sample : J6503-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-GROUNDWATER-1-1

Quant Time: Dec 22 01:14:35 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

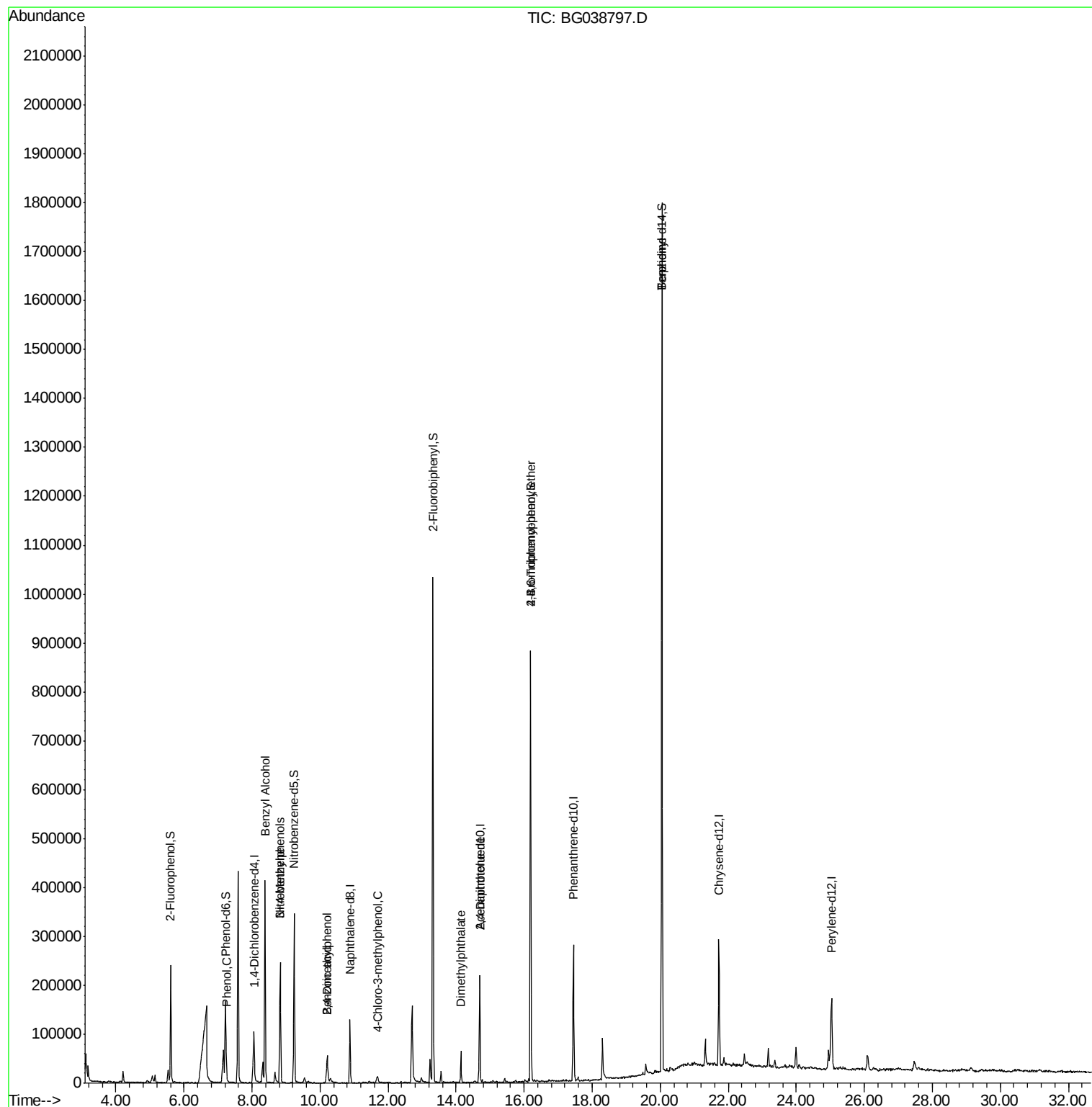
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	25583	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	109889	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	76144	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	179201	20.00	ng	0.00
76) Chrysene-d12	21.72	240	168097	20.00	ng	0.00
87) Perylene-d12	25.04	264	181813	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	103599	71.82	ng	0.01
7) Phenol-d6	7.22	99	89800	45.35	ng	0.01
23) Nitrobenzene-d5	9.24	82	199340	92.67	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	183035	174.42	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	552455	99.53	ng	0.00
79) Terphenyl-d14	20.05	244	871755	112.87	ng	0.00
Target Compounds						
10) Phenol	7.25	94	20016	9.515	ng	95
15) Benzyl Alcohol	8.39	79	3118	2.017	ng	# 49
20) 3+4-Methylphenols	8.83	107	112211	57.648	ng	92
24) Nitrobenzene	8.83	77	38745	17.805	ng	# 45
27) 2,4-Dimethylphenol	10.20	122	6163	3.861	ng	# 1
32) Benzoic acid	10.20	122	6163	14.956	ng	95
36) 4-Chloro-3-methylphenol	11.69	107	6795	3.353	ng	# 22
50) Dimethylphthalate	14.14	163	43301	6.964	ng	99
57) 2,4-Dinitrotoluene	14.70	165	9522	4.798	ng	# 26
67) 4-Bromophenyl-phenylether	16.19	248	12452	5.690	ng	# 1
77) Benzidine	20.05	184	15164	3.050	ng	# 93

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

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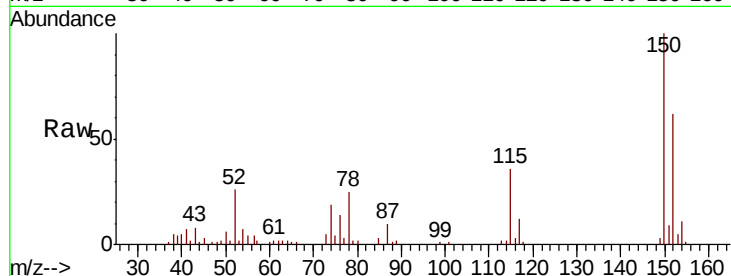


#1

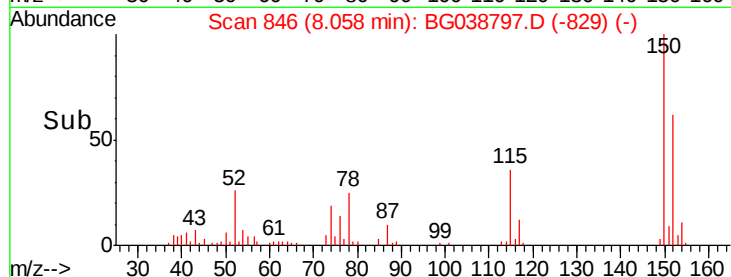
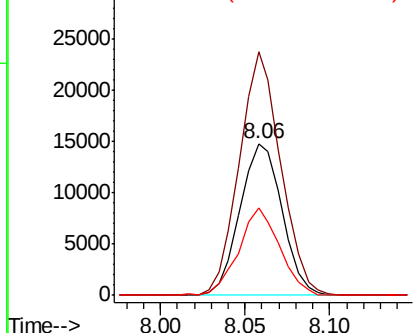
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038797.D
Acq: 21 Dec 2018 22:04

Instrument :
BNA_G
ClientSampleId :
TP-GROUNDWATER-1-1

Tgt Ion:152 Resp: 25583
Ion Ratio Lower Upper
152 100
150 160.7 119.5 179.3
115 57.9 49.6 74.4



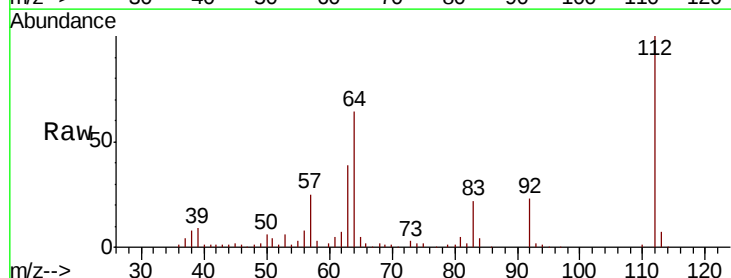
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



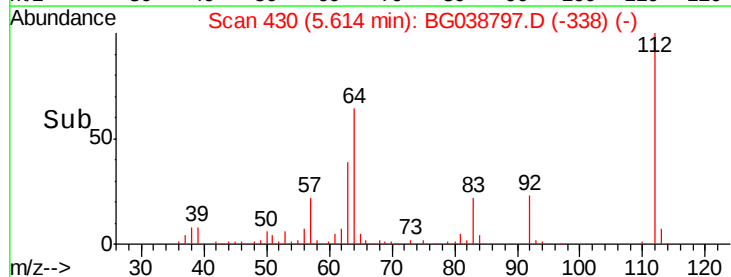
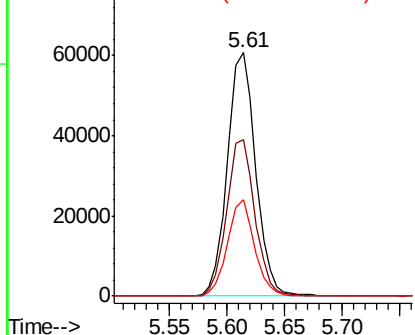
#5

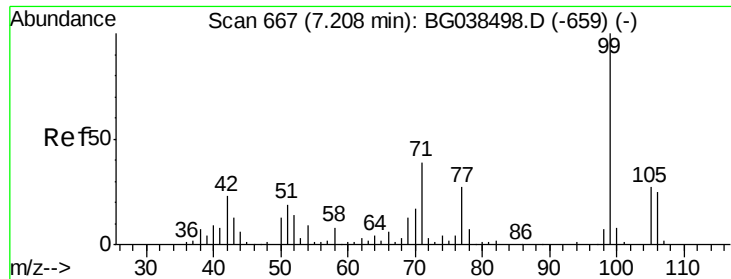
2-Fluorophenol
Concen: 71.824 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038797.D
Acq: 21 Dec 2018 22:04

Tgt Ion:112 Resp: 103599
Ion Ratio Lower Upper
112 100
64 64.3 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: 45.351 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

TP-GROUNDWATER-1-1

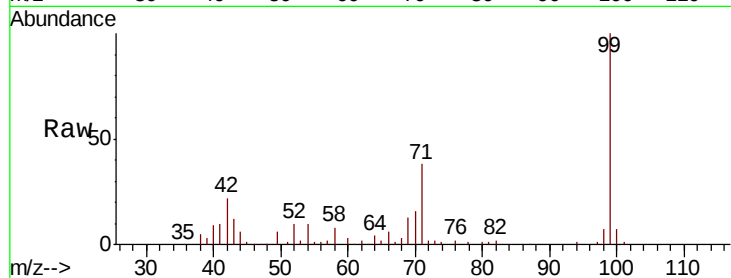
Tgt Ion: 99 Resp: 89800

Ion Ratio Lower Upper

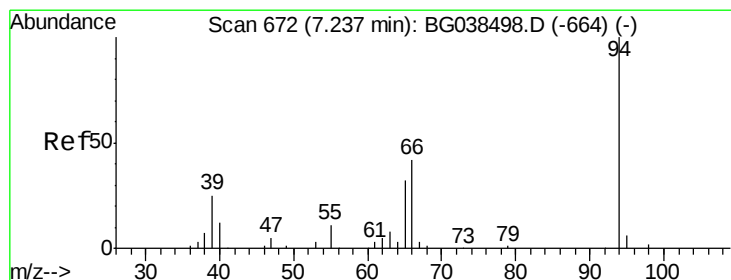
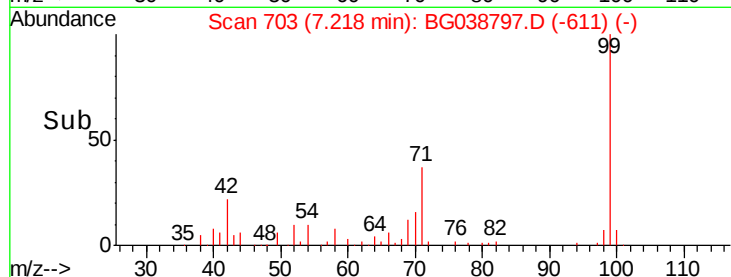
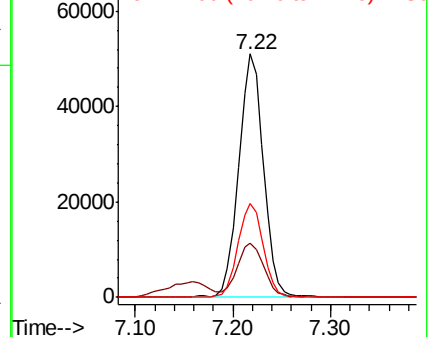
99 100

42 22.4 18.5 27.7

71 38.4 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: 9.515 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

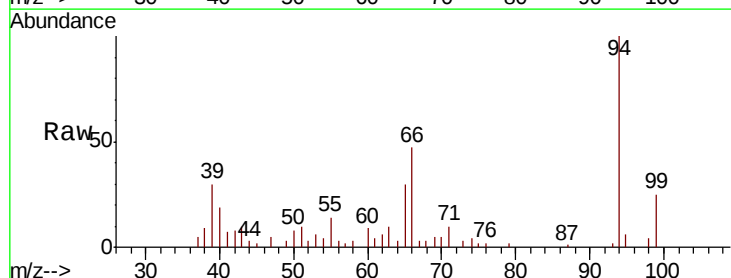
Tgt Ion: 94 Resp: 20016

Ion Ratio Lower Upper

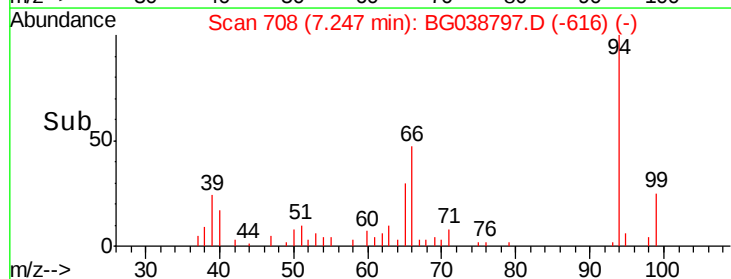
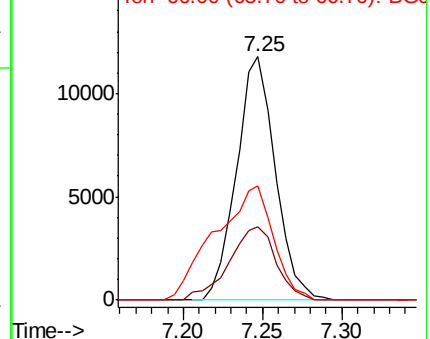
94 100

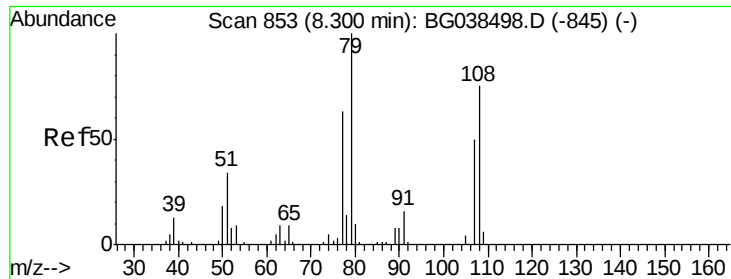
65 29.9 12.6 52.6

66 47.1 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





#15

Benzyl Alcohol

Concen: 2.017 ng

RT: 8.39 min Scan# 902

Delta R.T. 0.09 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

TP-GROUNDWATER-1-1

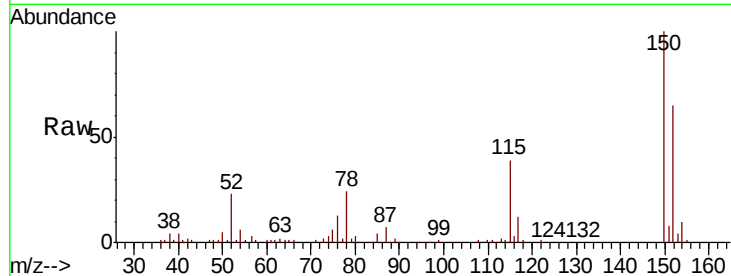
Tgt Ion: 79 Resp: 3118

Ion Ratio Lower Upper

79 100

108 26.6 60.2 90.4#

77 97.6 50.7 76.1#

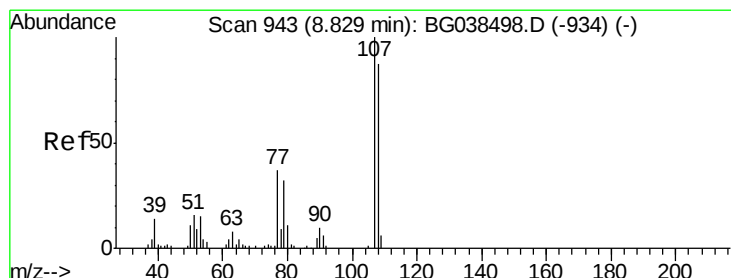
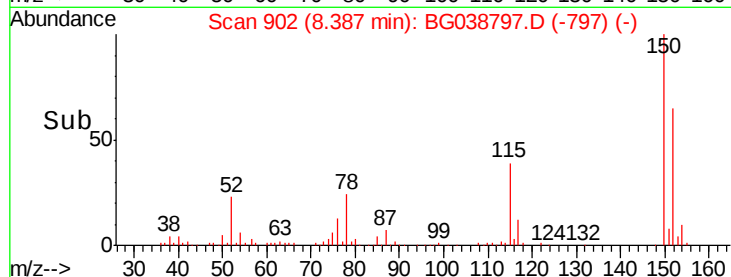
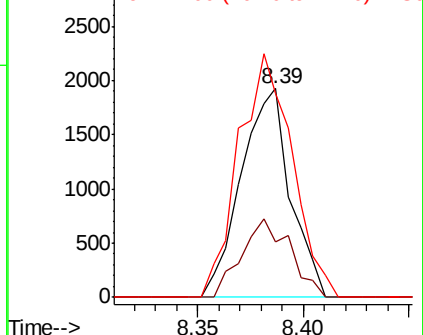


Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#20

3+4-Methylphenols

Concen: 57.648 ng

RT: 8.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

Tgt Ion: 107 Resp: 112211

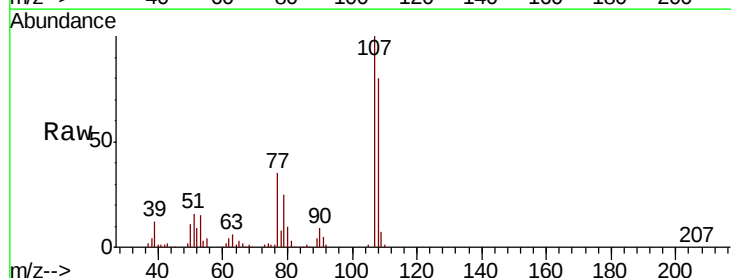
Ion Ratio Lower Upper

107 100

108 79.9 66.7 106.7

77 34.6 17.3 57.3

79 25.3 12.3 52.3



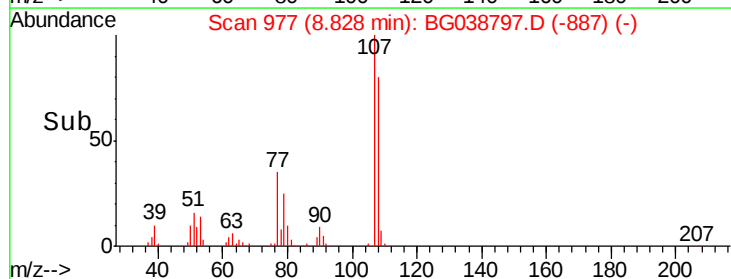
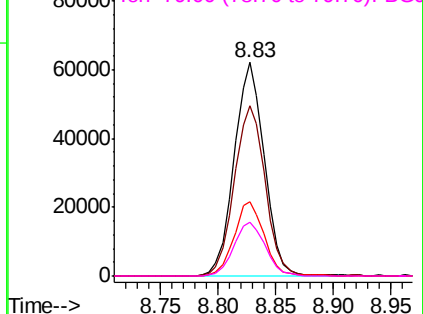
Abundance

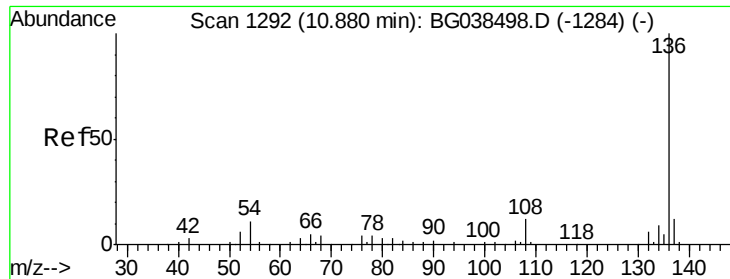
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

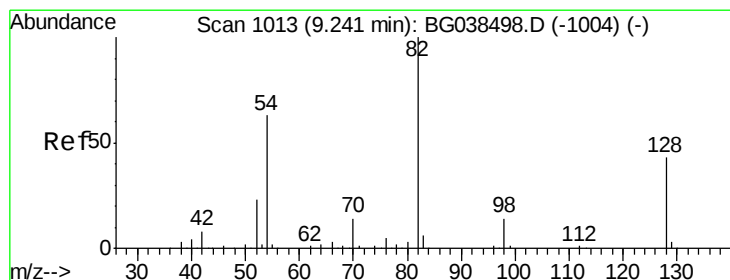
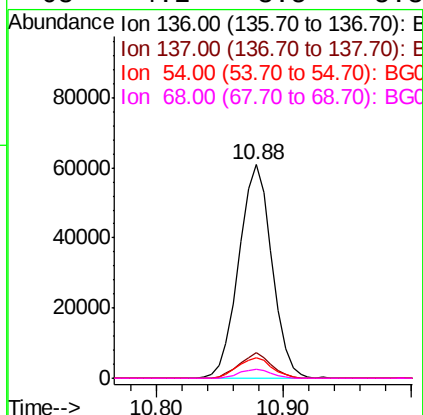
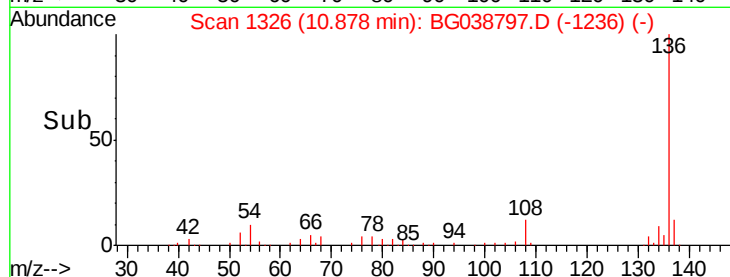
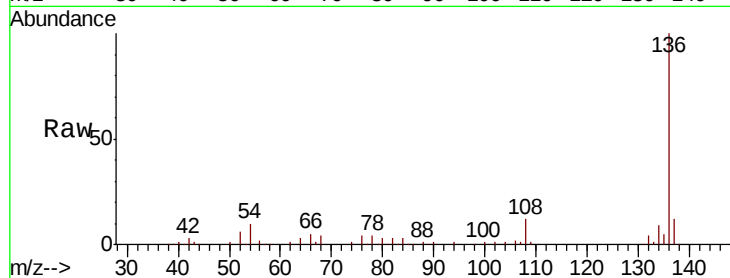




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038797.D
Acq: 21 Dec 2018 22:04

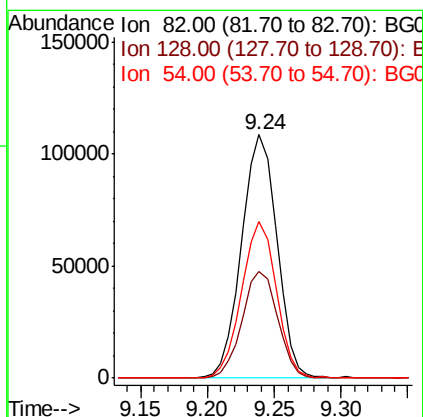
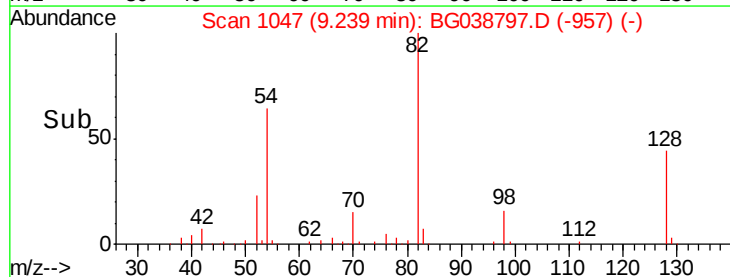
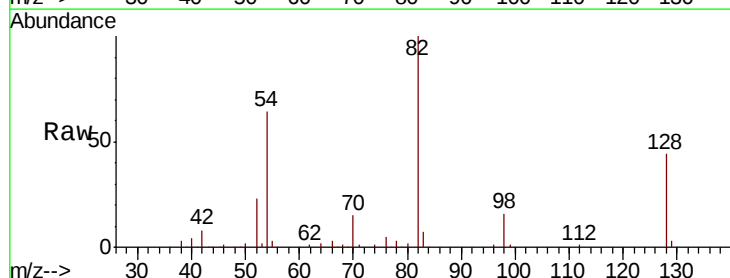
Instrument :
BNA_G
ClientSampleId :
TP-GROUNDWATER-1-1

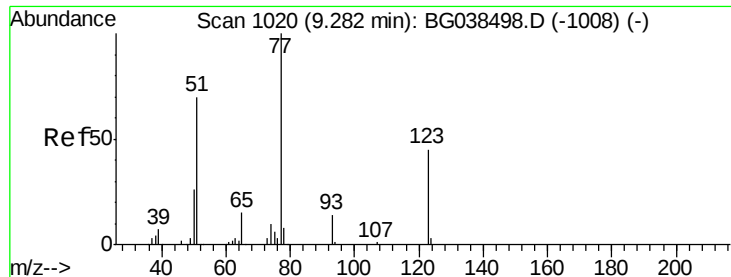
Tgt Ion:	136	Resp:	109889
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.3	13.9
54	9.5	8.5	12.7
68	4.2	3.5	5.3



#23
Nitrobenzene-d5
Concen: 92.673 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038797.D
Acq: 21 Dec 2018 22:04

Tgt Ion:	82	Resp:	199340
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.6	52.0
54	64.1	50.6	76.0

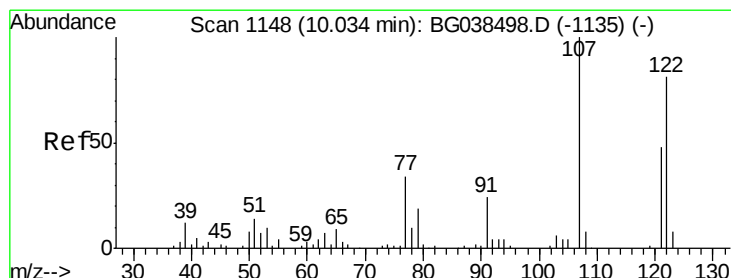
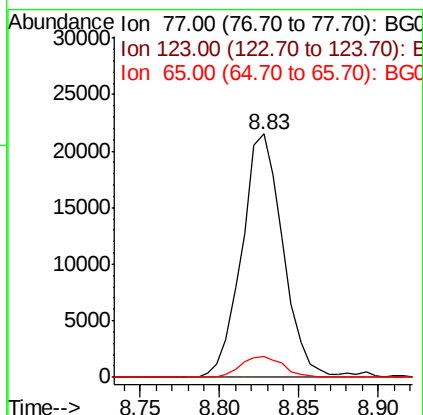
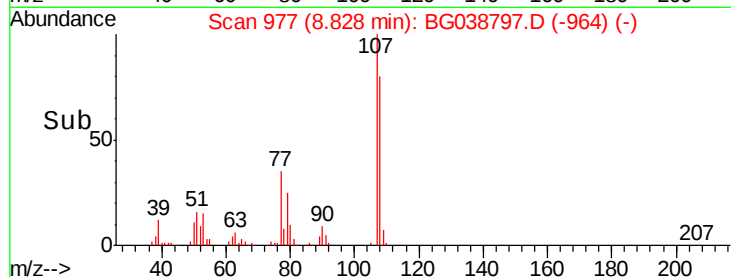
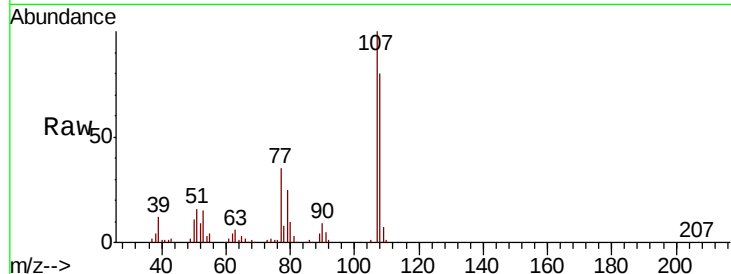




#24
 Nitrobenzene
 Concen: 17.805 ng
 RT: 8.83 min Scan# 977
 Delta R.T. -0.45 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

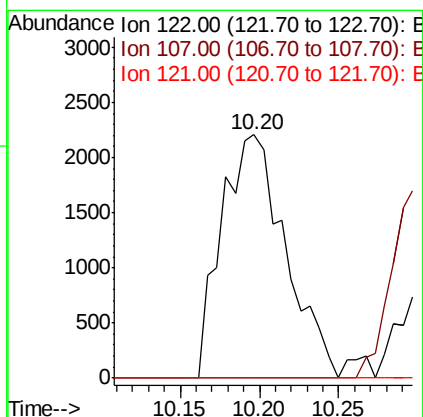
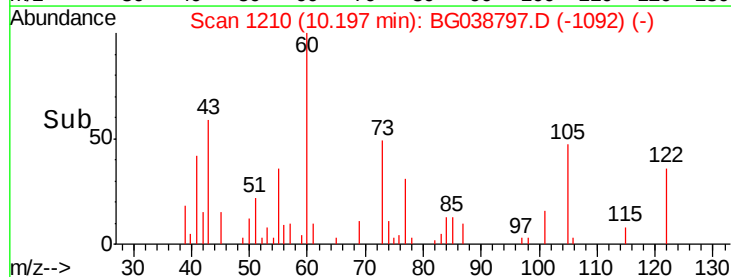
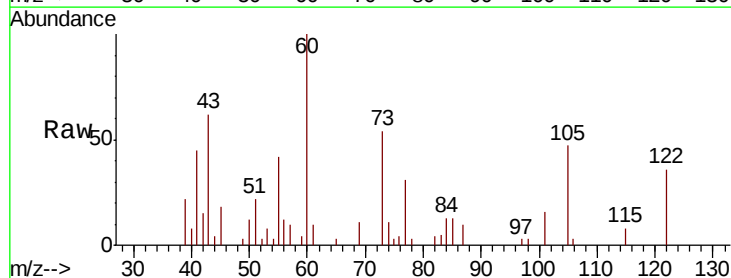
Instrument :
 BNA_G
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 TP-GROUNDWATER-1-1

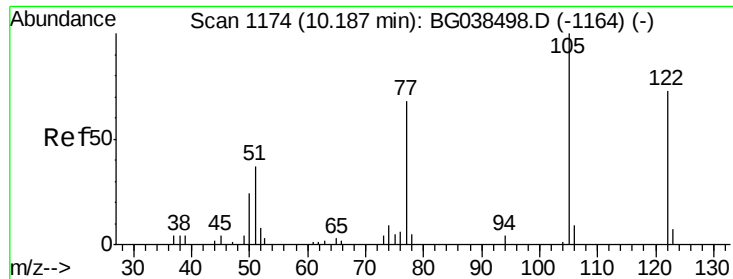
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.9	53.9#
65	8.6	12.0	18.0#



#27
 2,4-Dimethylphenol
 Concen: 3.861 ng
 RT: 10.20 min Scan# 1210
 Delta R.T. 0.16 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	98.4	147.6#
121	0.0	47.2	70.8#





#32

Benzoic acid

Concen: 14.956 ng

RT: 10.20 min Scan# 1210

Delta R.T. 0.01 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

TP-GROUNDWATER-1-1

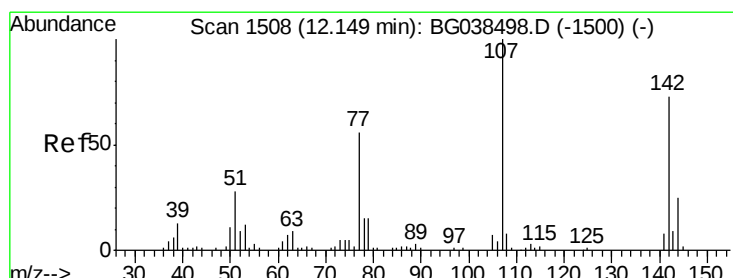
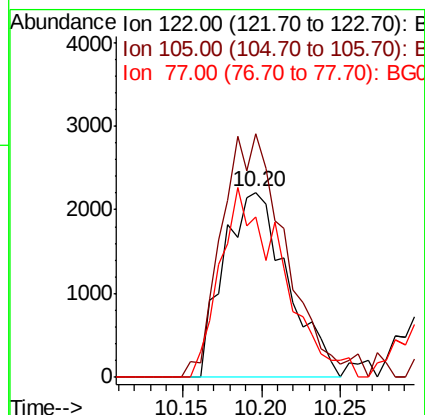
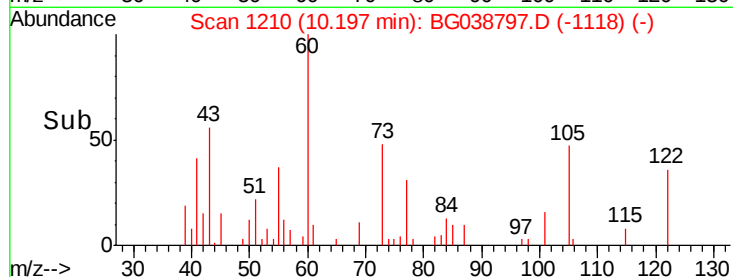
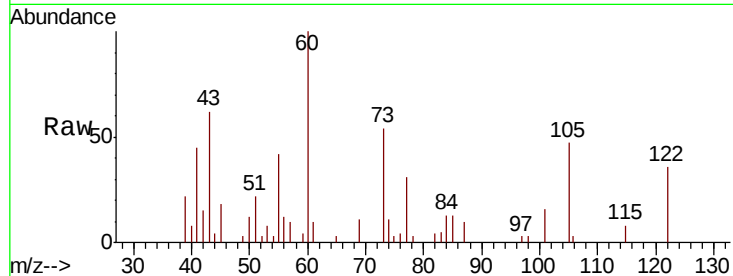
Tgt Ion:122 Resp: 6163

Ion Ratio Lower Upper

122 100

105 131.7 116.7 156.7

77 86.8 72.5 112.5



#36

4-Chloro-3-methylphenol

Concen: 3.353 ng

RT: 11.69 min Scan# 1465

Delta R.T. -0.45 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

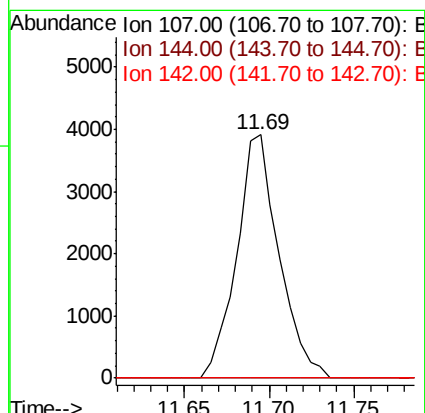
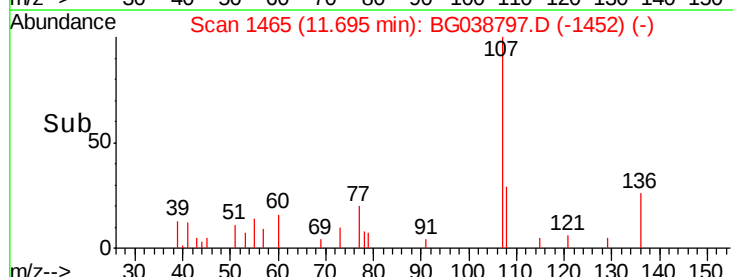
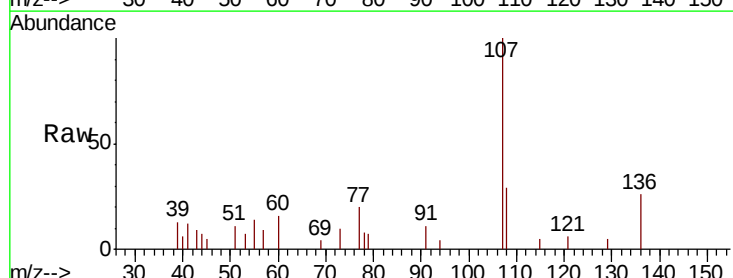
Tgt Ion:107 Resp: 6795

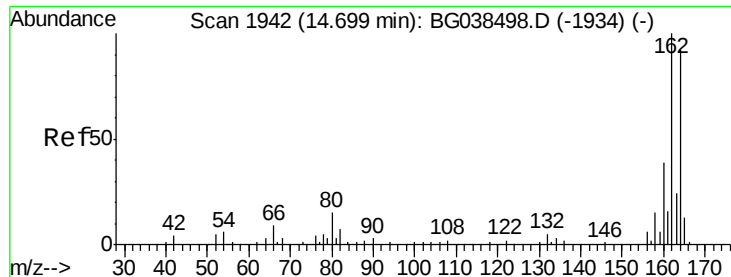
Ion Ratio Lower Upper

107 100

144 0.0 20.1 30.1#

142 0.0 58.7 88.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

TP-GROUNDWATER-1-1

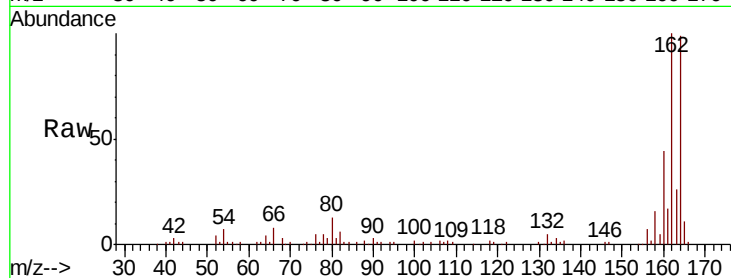
Tgt Ion:164 Resp: 76144

Ion Ratio Lower Upper

164 100

162 100.8 86.6 130.0

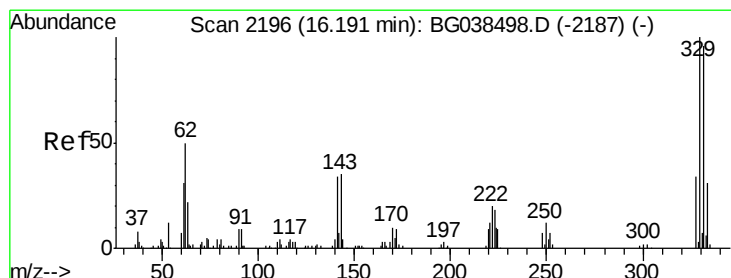
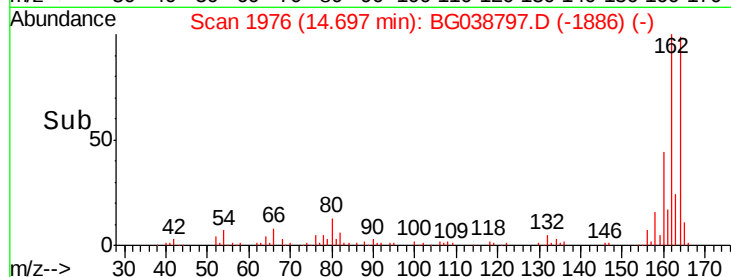
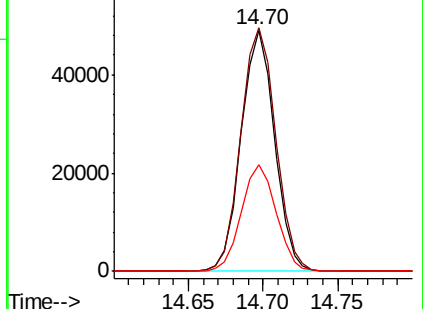
160 44.2 34.2 51.2



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: 174.418 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

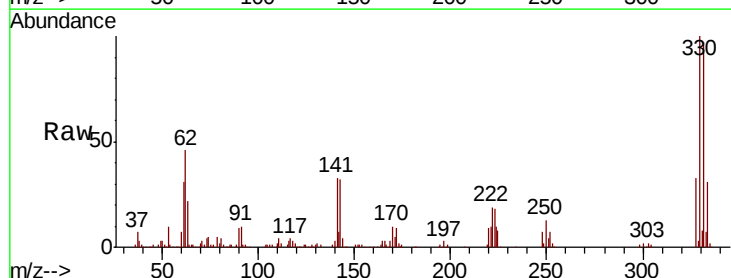
Tgt Ion:330 Resp: 183035

Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

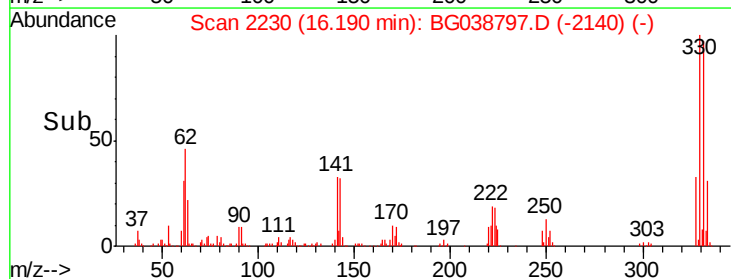
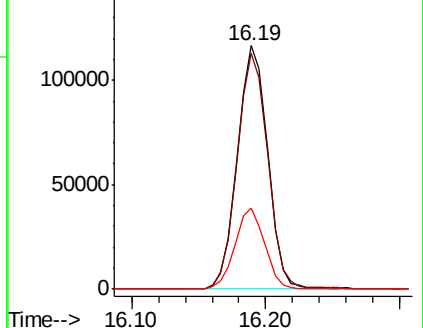
141 32.8 28.8 43.2

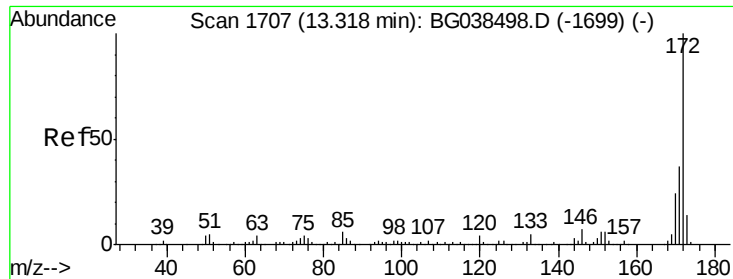


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

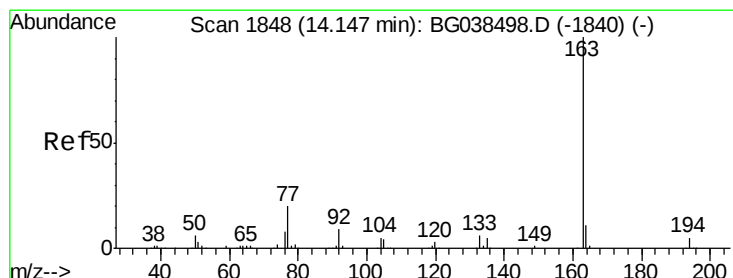
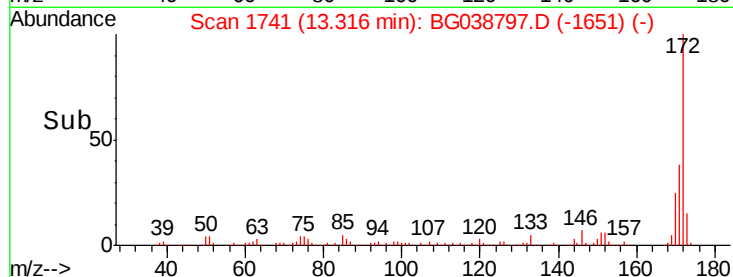
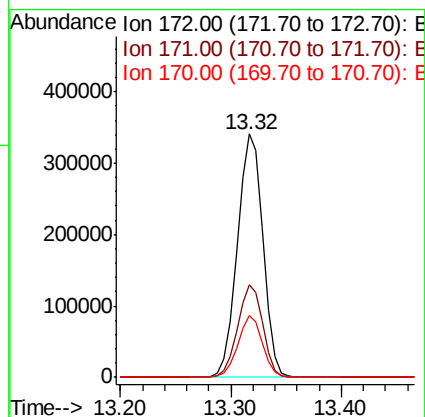
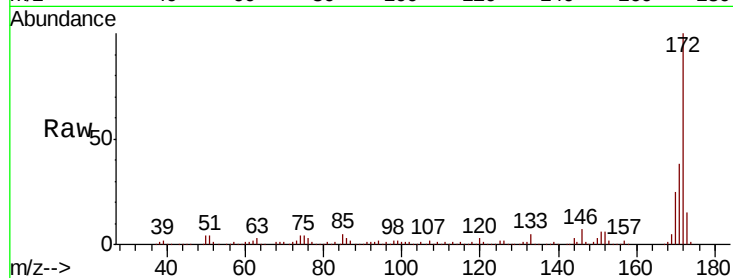




#45
 2-Fluorobiphenyl
 Concen: 99.533 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

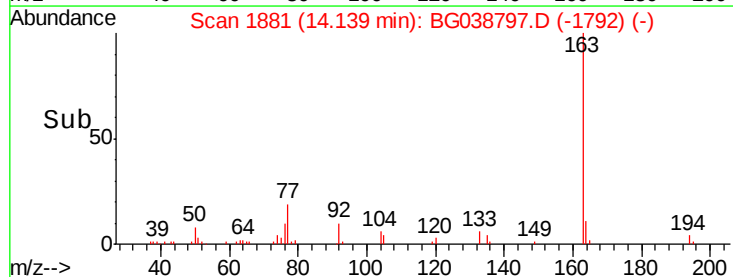
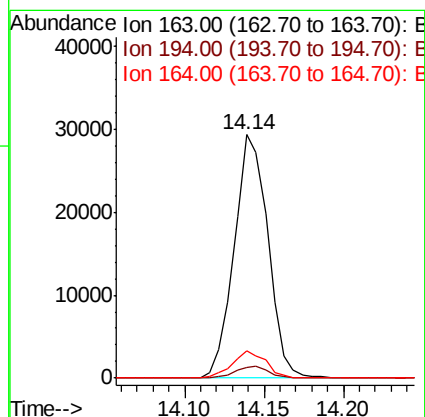
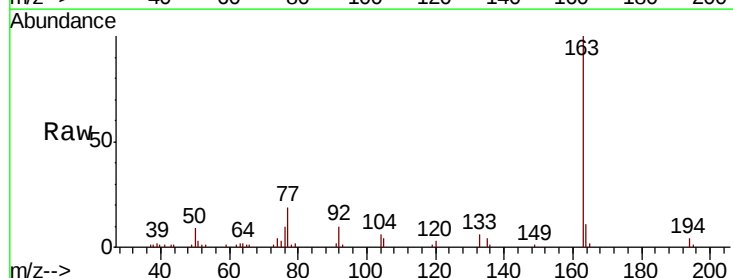
Instrument :
 BNA_G
 ClientSampleId :
 TP-GROUNDWATER-1-1

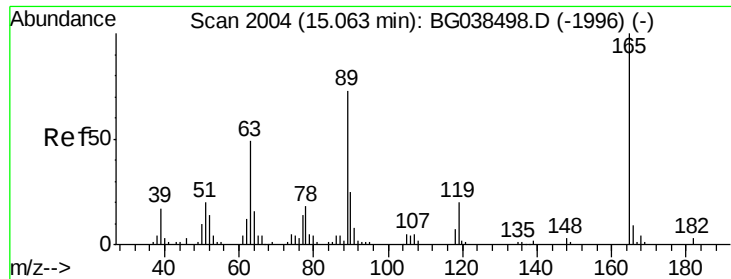
Tgt Ion:172 Resp: 552455
 Ion Ratio Lower Upper
 172 100
 171 38.2 29.8 44.6
 170 25.3 19.5 29.3



#50
 Dimethylphthalate
 Concen: 6.964 ng
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.01 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

Tgt Ion:163 Resp: 43301
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.7 5.5
 164 11.0 8.6 12.8

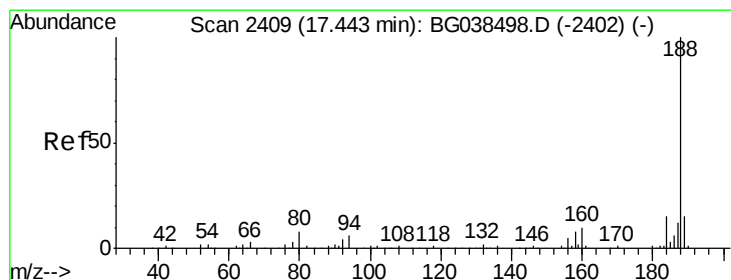
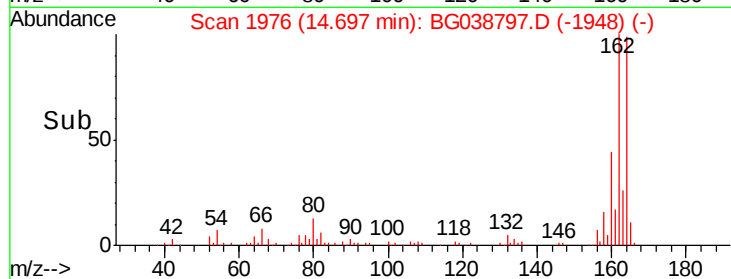
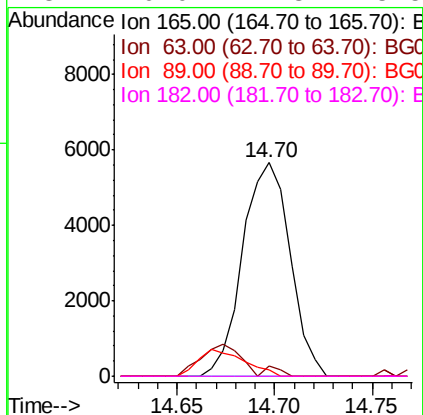
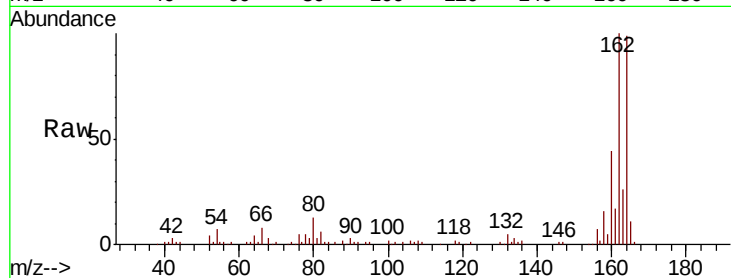




#57
 2,4-Dinitrotoluene
 Concen: 4.798 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

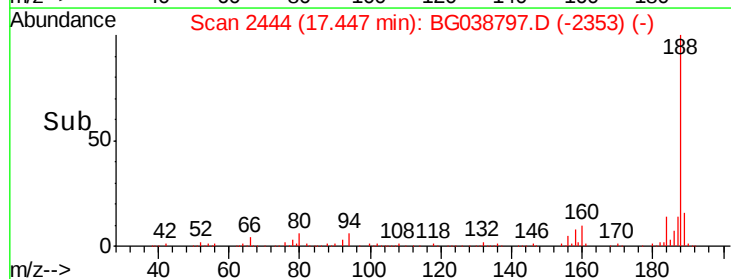
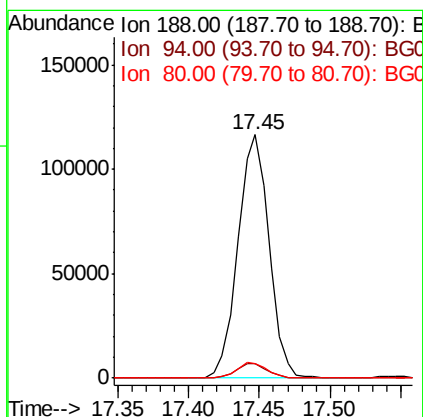
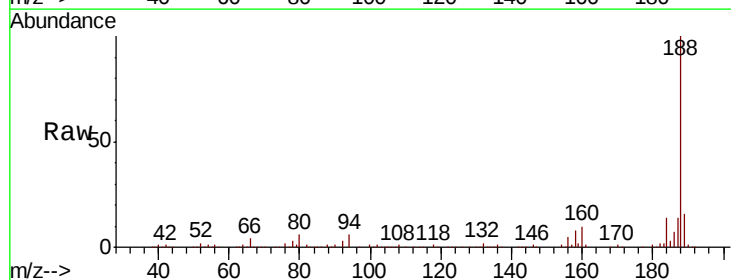
Instrument :
 BNA_G
 ClientSampleId :
 TP-GROUNDWATER-1-1

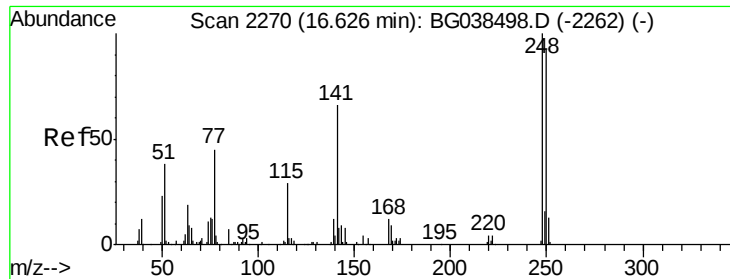
Tgt Ion:	165	Resp:	9522
Ion	Ratio	Lower	Upper
165	100		
63	4.6	39.0	58.4#
89	2.8	58.0	87.0#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

Tgt Ion:	188	Resp:	179201
Ion	Ratio	Lower	Upper
188	100		
94	5.7	5.1	7.7
80	6.2	6.1	9.1

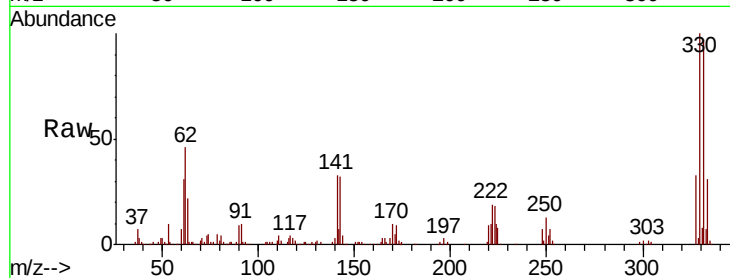




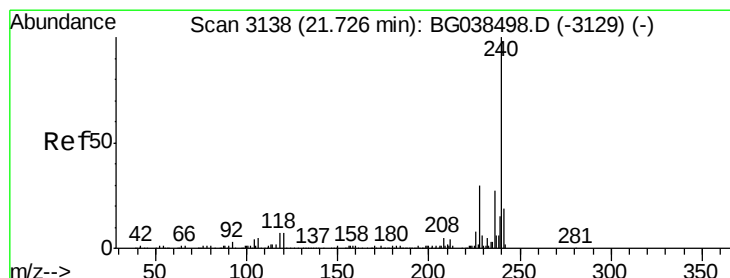
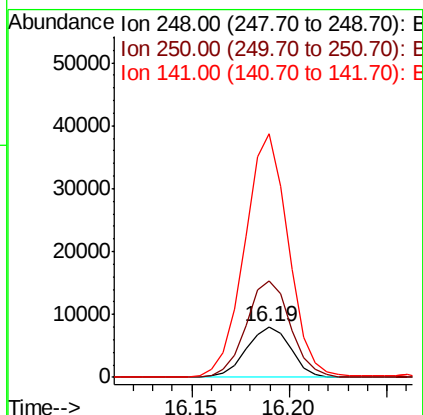
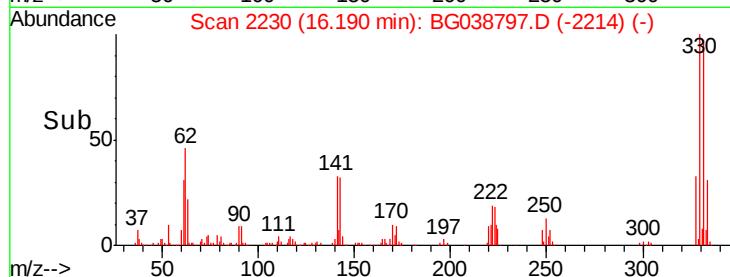
#67
 4-Bromophenyl-phenylether
 Concen: 5.690 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.44 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :
 TP-GROUNDWATER-1-1

Tgt Ion:248 Resp: 12452
 Ion Ratio Lower Upper
 248 100
 250 193.5 73.4 110.2#
 141 371.3 52.9 79.3#

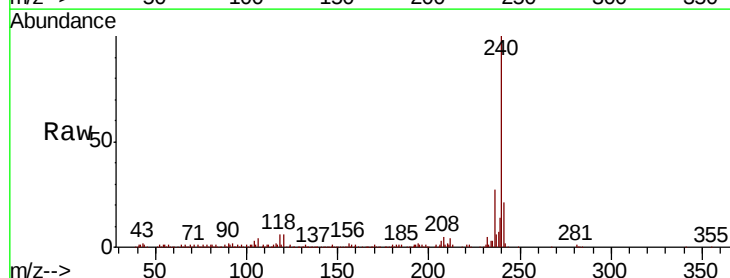


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

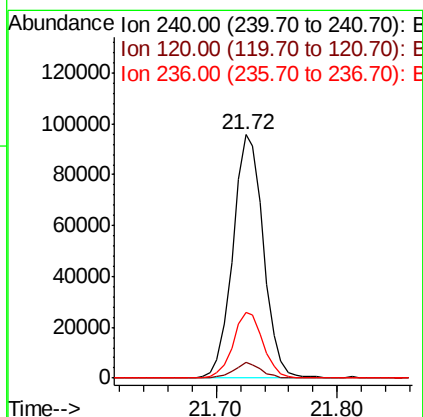
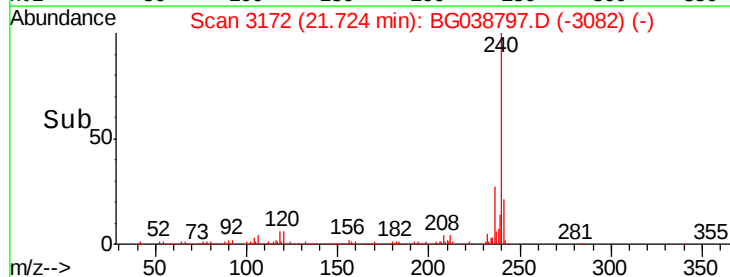


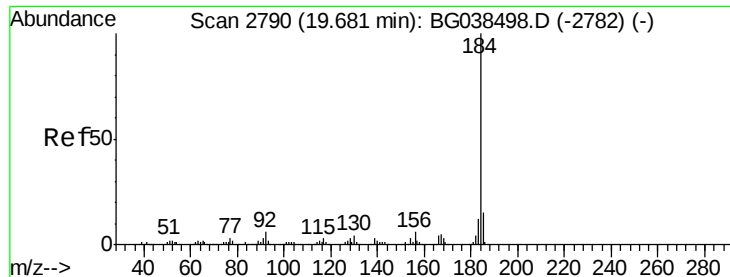
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3172
 Delta R.T. -0.00 min
 Lab File: BG038797.D
 Acq: 21 Dec 2018 22:04

Tgt Ion:240 Resp: 168097
 Ion Ratio Lower Upper
 240 100
 120 6.3 5.3 7.9
 236 27.1 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: 3.050 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.37 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

TP-GROUNDWATER-1-1

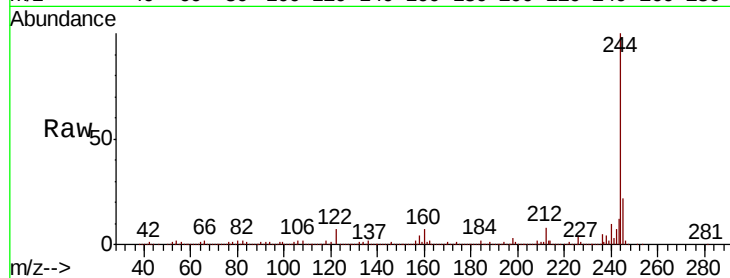
Tgt Ion:184 Resp: 15164

Ion Ratio Lower Upper

184 100

185 19.3 12.2 18.2#

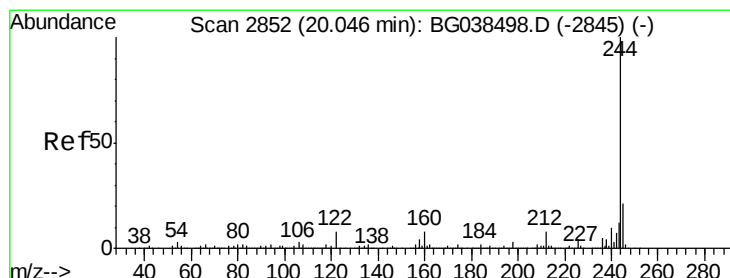
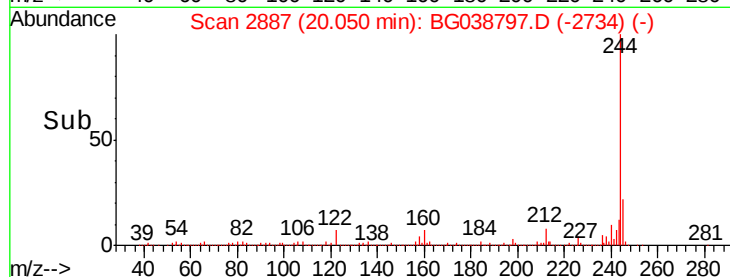
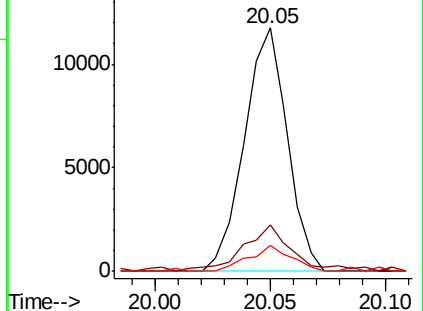
183 10.5 9.6 14.4



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: 112.865 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BG038797.D

Acq: 21 Dec 2018 22:04

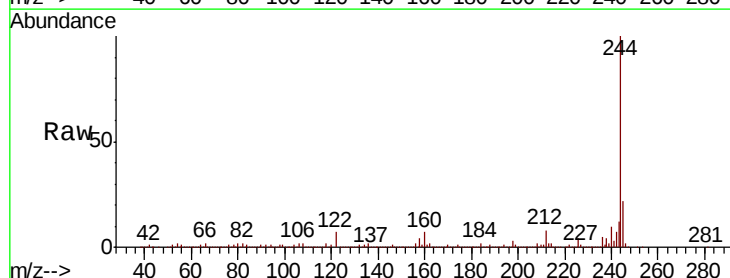
Tgt Ion:244 Resp: 871755

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

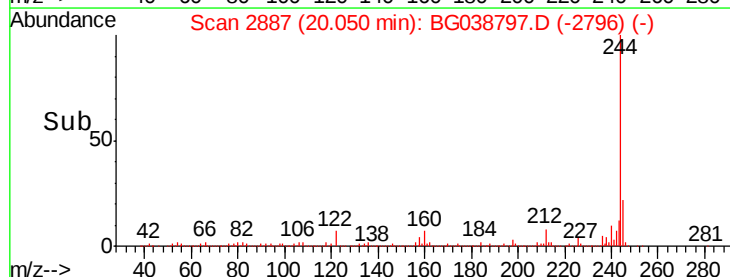
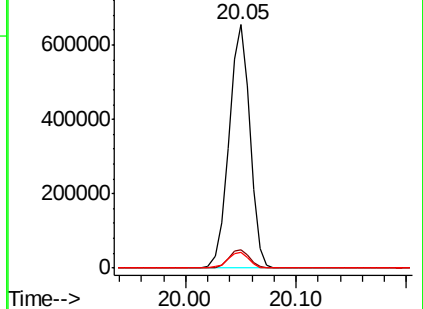
122 6.6 6.3 9.5

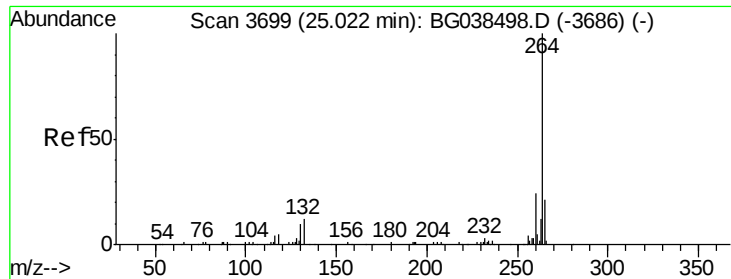


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.04 min Scan# 3736
Delta R.T. 0.02 min
Lab File: BG038797.D
Acq: 21 Dec 2018 22:04

Instrument :
BNA_G
ClientSampleId :
TP-GROUNDWATER-1-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	20.0	17.0	25.4

