

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122322\
 Data File : BG056084.D
 Acq On : 23 Dec 2022 18:33
 Operator : CG/JU
 Sample : N6152-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

Quant Time: Dec 24 00:08:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:09:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

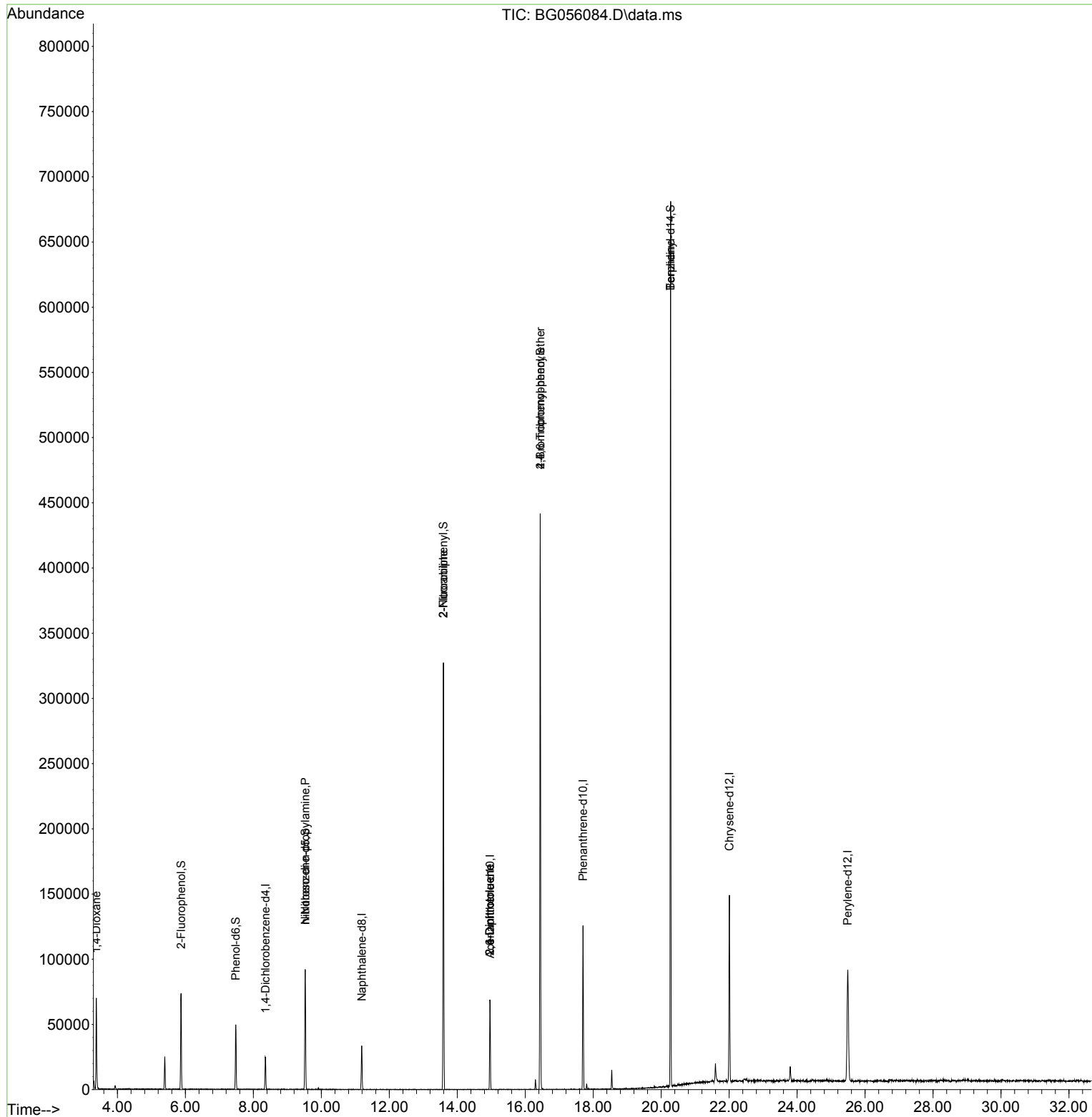
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	8094	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	30327	20.000	ng	# 0.00
39) Acenaphthene-d10	14.967	164	27959	20.000	ng	0.00
64) Phenanthrene-d10	17.699	188	89693	20.000	ng	# 0.00
76) Chrysene-d12	22.006	240	99610	20.000	ng	0.00
86) Perylene-d12	25.490	264	119133	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	30523	88.438	ng	0.00
7) Phenol-d6	7.482	99	24542	55.288	ng	0.00
23) Nitrobenzene-d5	9.527	82	48231	111.138	ng	0.00
42) 2,4,6-Tribromophenol	16.442	330	115227	170.915	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	179016	89.798	ng	0.00
79) Terphenyl-d14	20.279	244	379079	67.260	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	455	4.530	ng	# 1
19) n-Nitroso-di-n-propyla...	9.527	70	7363	23.141	ng	# 63
48) 2-Nitroaniline	13.592	65	58	2.994	ng	# 1
51) 2,6-Dinitrotoluene	14.961	165	3534	9.448	ng	# 25
57) 2,4-Dinitrotoluene	14.961	165	3534	6.259	ng	# 35
67) 4-Bromophenyl-phenylether	16.442	248	6362	4.841	ng	# 1
77) Benzidine	20.279	184	5688	3.252	ng	94

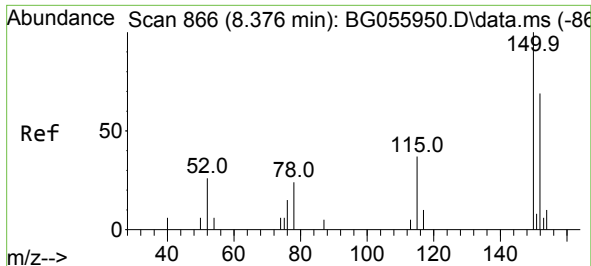
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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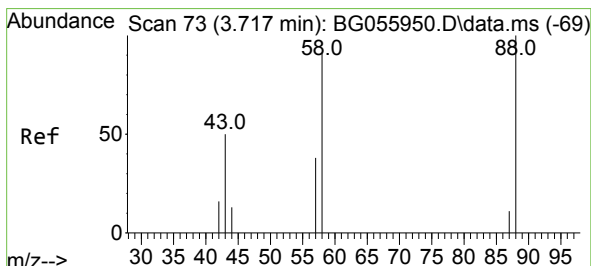
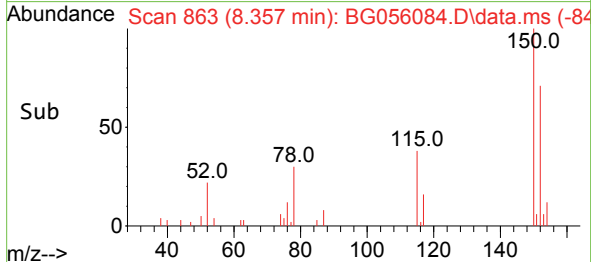
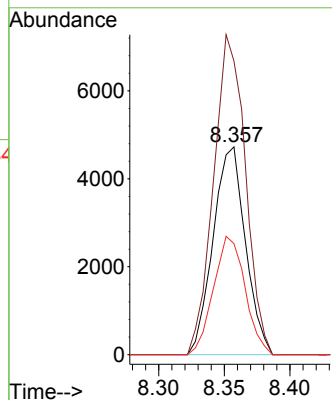
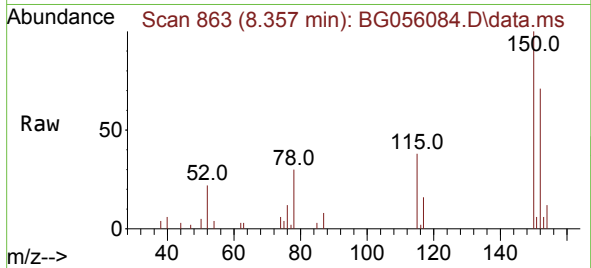




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.357 min Scan# 80
 Delta R.T. 0.004 min
 Lab File: BG056084.D
 Acq: 23 Dec 2022 18:33

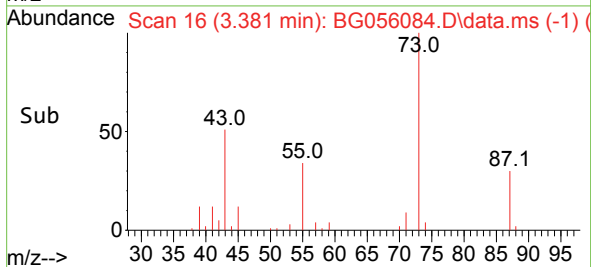
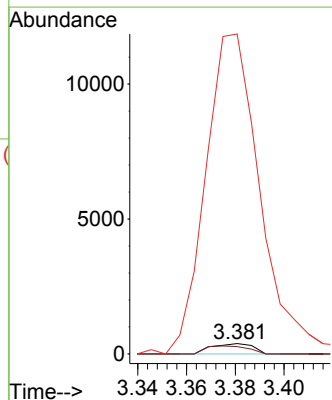
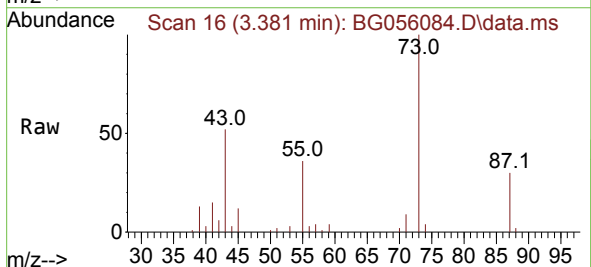
Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

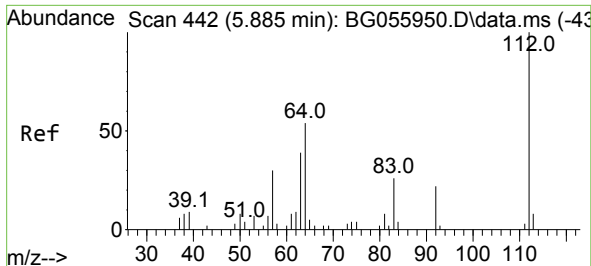
Tgt Ion:152 Resp: 8094
 Ion Ratio Lower Upper
 152 100
 150 141.3 115.7 173.5
 115 53.4 43.0 64.4



#2
 1,4-Dioxane
 Concen: 4.530 ng
 RT: 3.381 min Scan# 16
 Delta R.T. -0.313 min
 Lab File: BG056084.D
 Acq: 23 Dec 2022 18:33

Tgt Ion: 88 Resp: 455
 Ion Ratio Lower Upper
 88 100
 58 78.7 67.0 100.4
 43 4127.9 45.7 68.5#

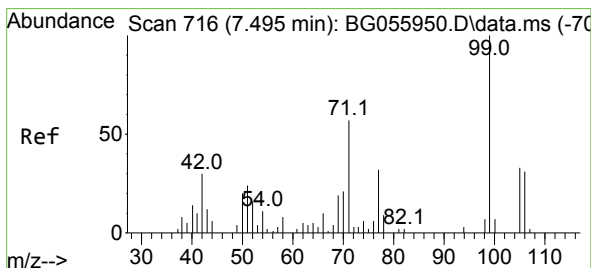
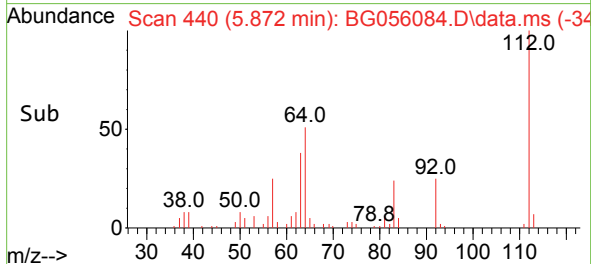
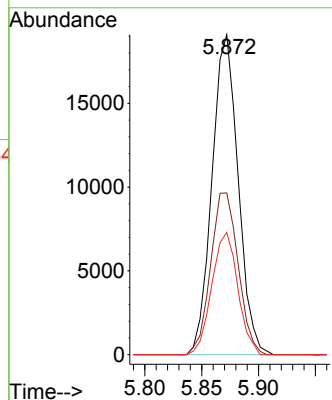
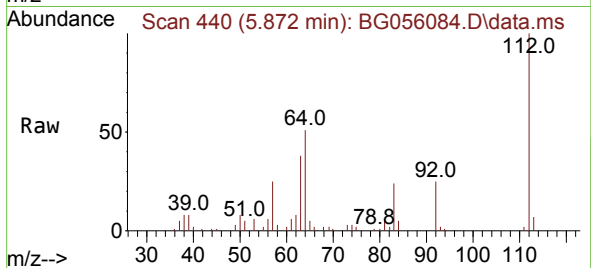




#5
2-Fluorophenol
Concen: 88.438 ng
RT: 5.872 min Scan# 44
Delta R.T. 0.004 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

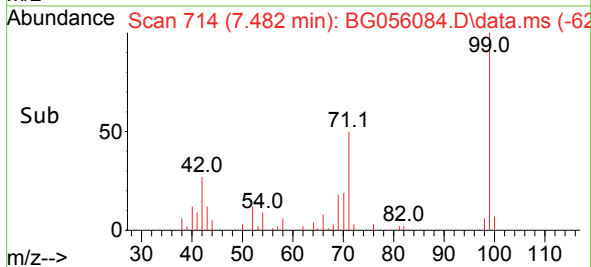
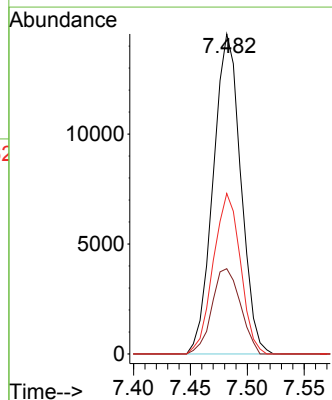
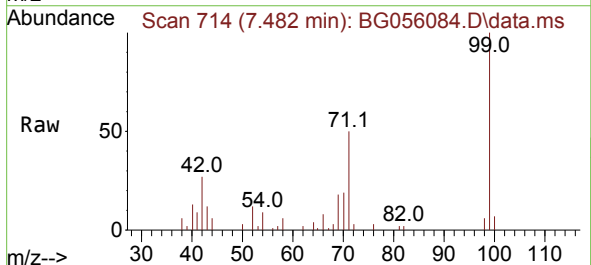
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

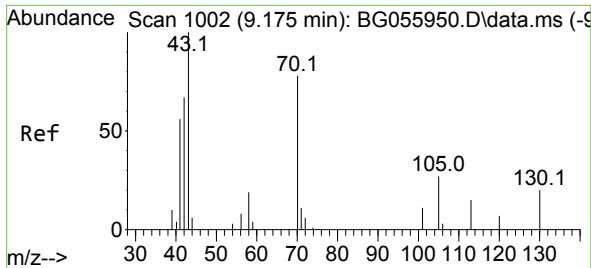
Tgt Ion:112 Resp: 30523
Ion Ratio Lower Upper
112 100
64 50.5 43.0 64.4
63 38.2 31.4 47.2



#7
Phenol-d6
Concen: 55.288 ng
RT: 7.482 min Scan# 714
Delta R.T. -0.002 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

Tgt Ion: 99 Resp: 24542
Ion Ratio Lower Upper
99 100
42 26.6 24.3 36.5
71 50.1 45.6 68.4

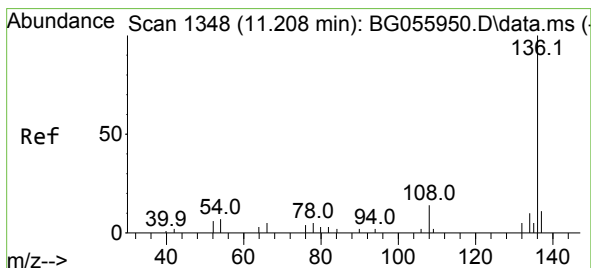
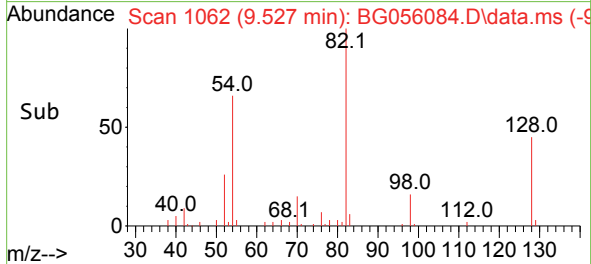
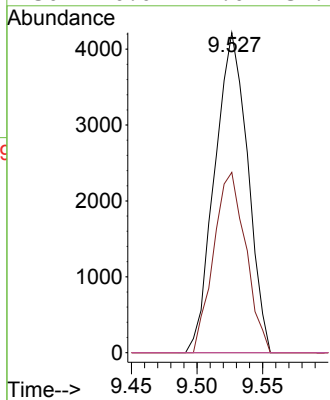
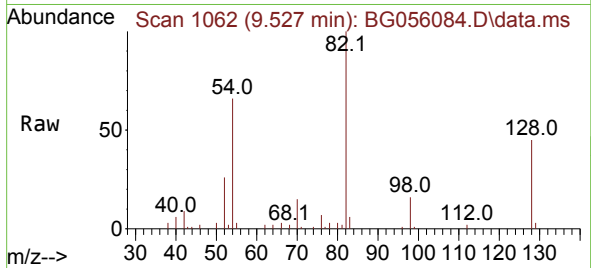




#19
n-Nitroso-di-n-propylamine
Concen: 23.141 ng
RT: 9.527 min Scan# 1062
Delta R.T. 0.369 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

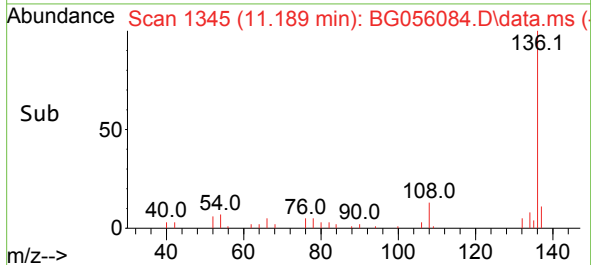
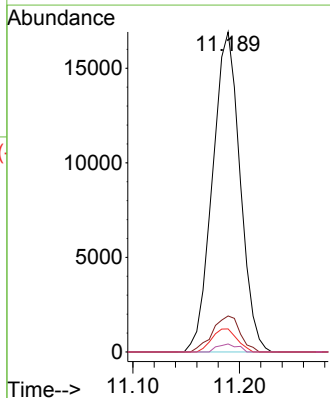
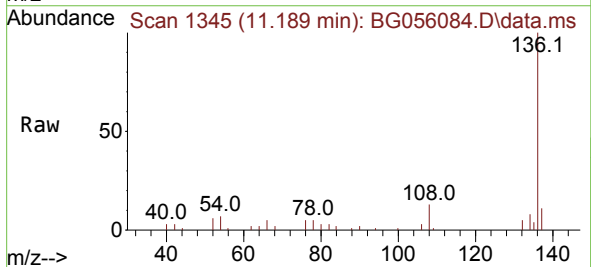
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

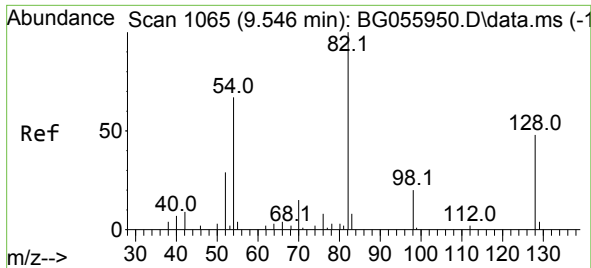
Tgt Ion: 70 Resp: 7363
Ion Ratio Lower Upper
70 100
42 56.3 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1345
Delta R.T. -0.002 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

Tgt Ion: 136 Resp: 30327
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 7.2 5.6 8.4
68 2.5 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 111.138 ng

RT: 9.527 min Scan# 1062

Delta R.T. -0.002 min

Lab File: BG056084.D

Acq: 23 Dec 2022 18:33

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER

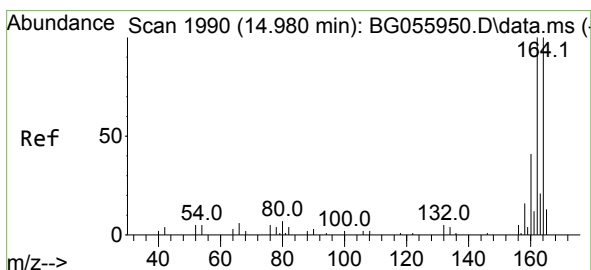
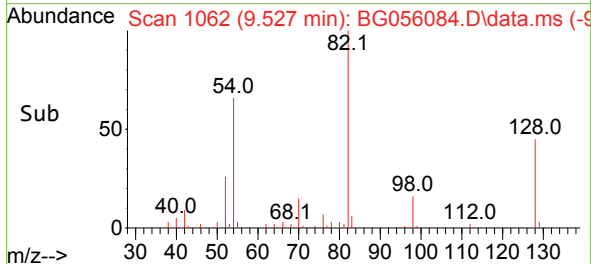
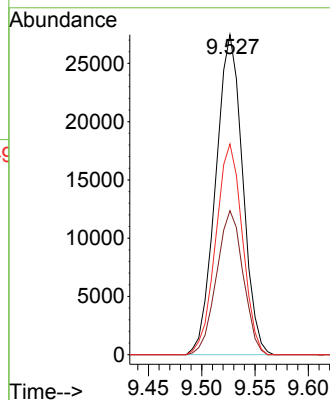
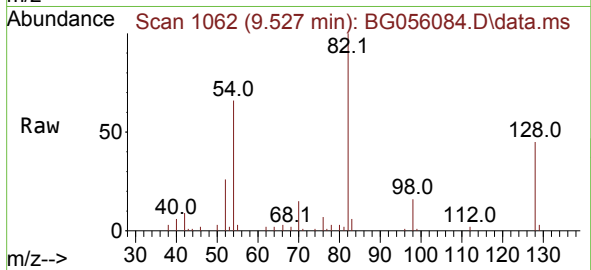
Tgt Ion: 82 Resp: 48231

Ion Ratio Lower Upper

82 100

128 45.0 38.4 57.6

54 65.8 53.3 79.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.967 min Scan# 1988

Delta R.T. -0.002 min

Lab File: BG056084.D

Acq: 23 Dec 2022 18:33

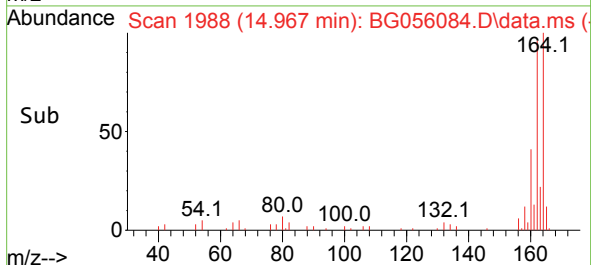
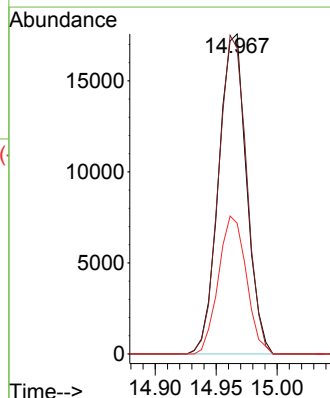
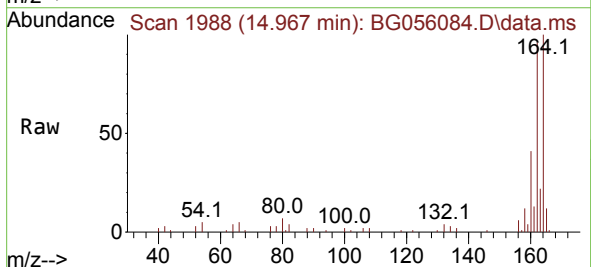
Tgt Ion:164 Resp: 27959

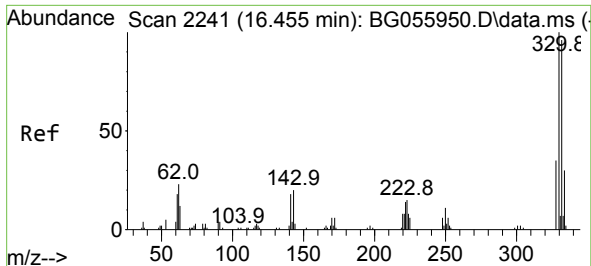
Ion Ratio Lower Upper

164 100

162 95.5 79.8 119.8

160 40.8 33.0 49.4

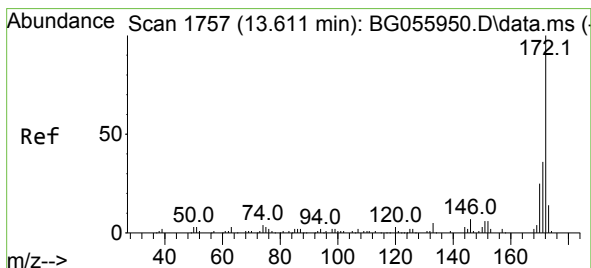
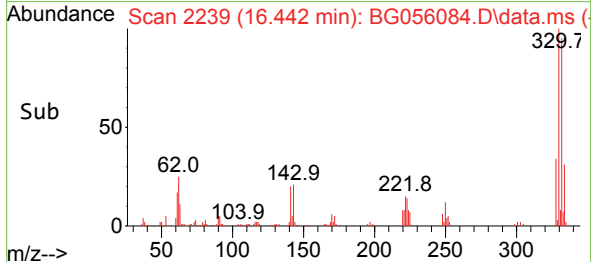
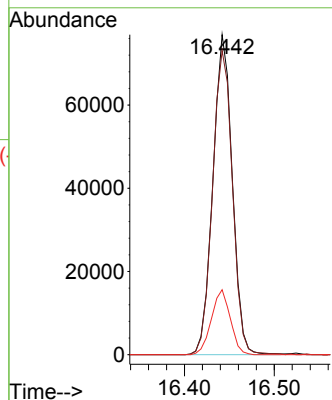
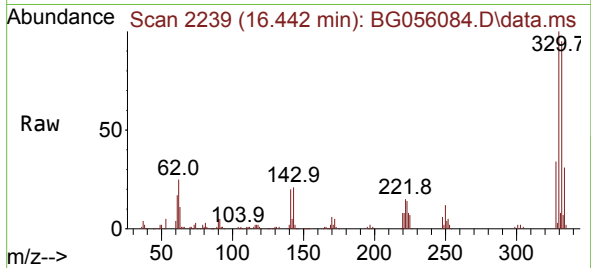




#42
2,4,6-Tribromophenol
Concen: 170.915 ng
RT: 16.442 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

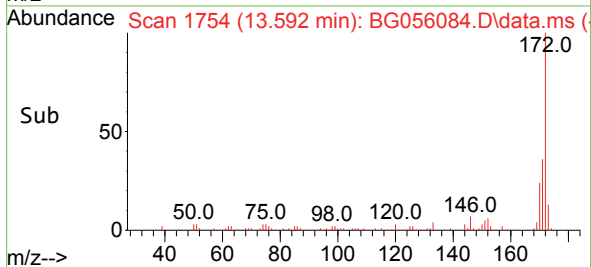
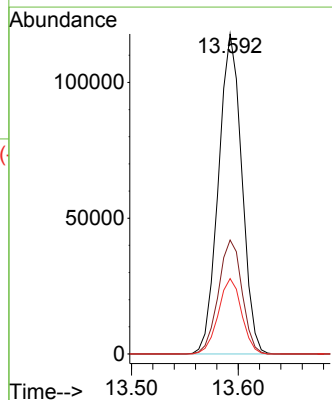
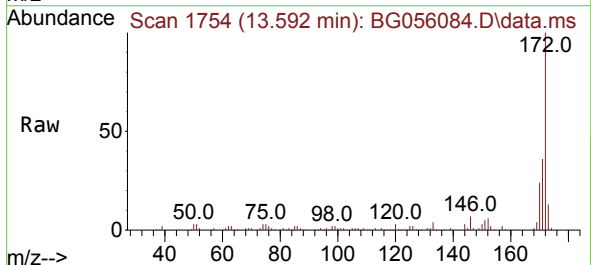
Instrument :
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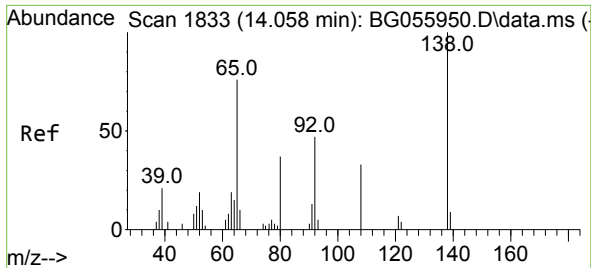
Tgt Ion:330 Resp: 115227
Ion Ratio Lower Upper
330 100
332 97.6 76.6 114.8
141 19.8 15.0 22.4



#45
2-Fluorobiphenyl
Concen: 89.798 ng
RT: 13.592 min Scan# 1754
Delta R.T. -0.002 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

Tgt Ion:172 Resp: 179016
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.6 19.9 29.9

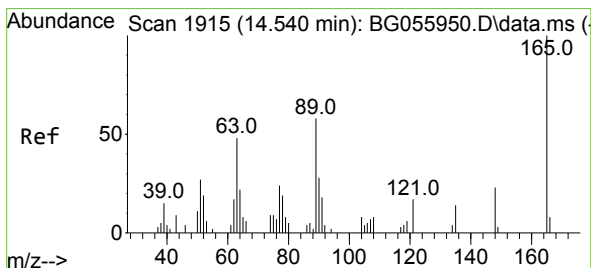
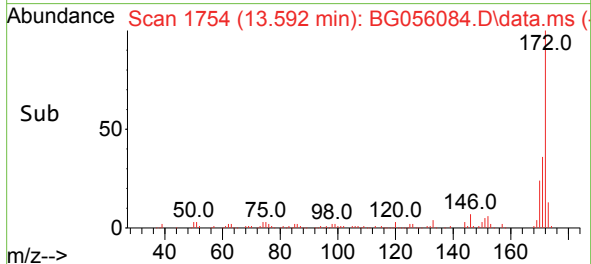
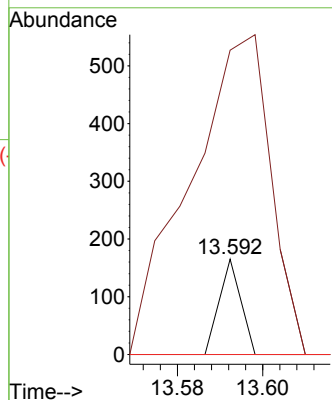
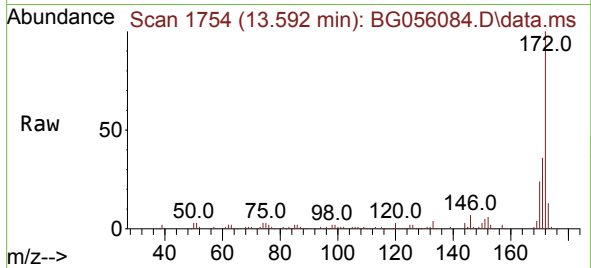




#48
2-Nitroaniline
Concen: 2.994 ng
RT: 13.592 min Scan# 11
Delta R.T. -0.454 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

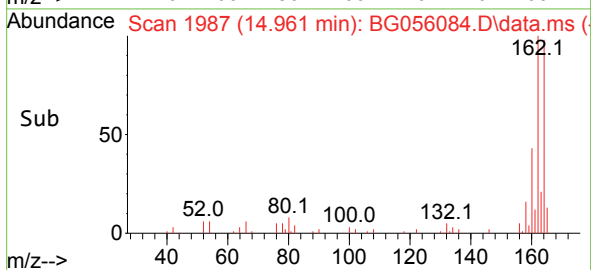
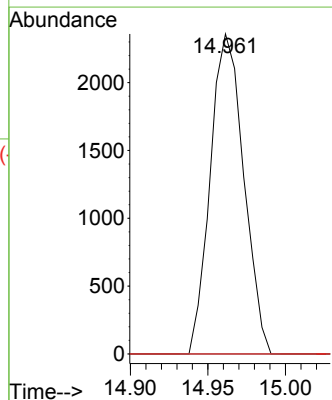
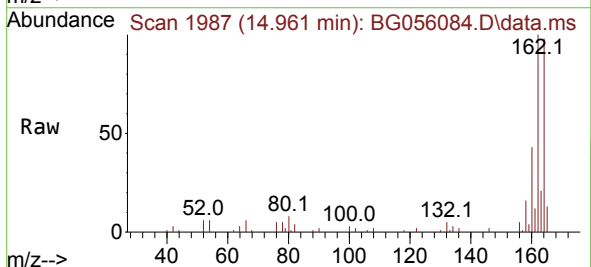
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

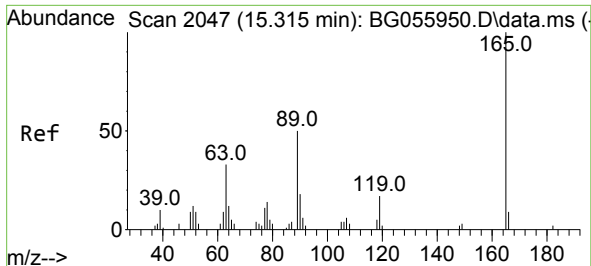
Tgt Ion: 65 Resp: 58
Ion Ratio Lower Upper
65 100
92 319.4 49.7 74.5#
138 0.0 105.0 157.6#



#51
2,6-Dinitrotoluene
Concen: 9.448 ng
RT: 14.961 min Scan# 1987
Delta R.T. 0.433 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

Tgt Ion:165 Resp: 3534
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





#57

2,4-Dinitrotoluene

Concen: 6.259 ng

RT: 14.961 min Scan# 14

Delta R.T. -0.354 min

Lab File: BG056084.D

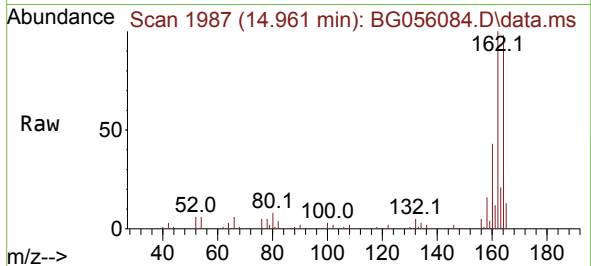
Acq: 23 Dec 2022 18:33

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER



Tgt Ion:165 Resp: 3534

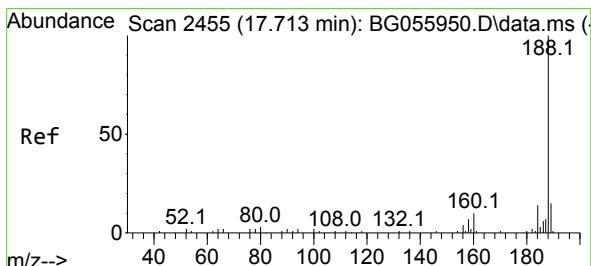
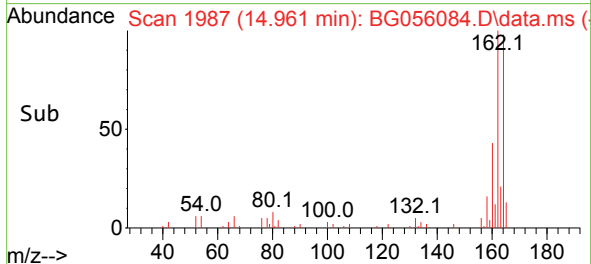
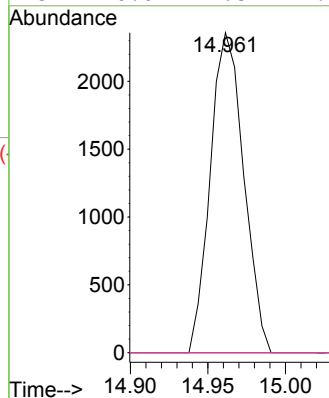
Ion Ratio Lower Upper

165 100

63 0.0 26.6 39.8#

89 0.0 40.1 60.1#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.699 min Scan# 2453

Delta R.T. -0.008 min

Lab File: BG056084.D

Acq: 23 Dec 2022 18:33

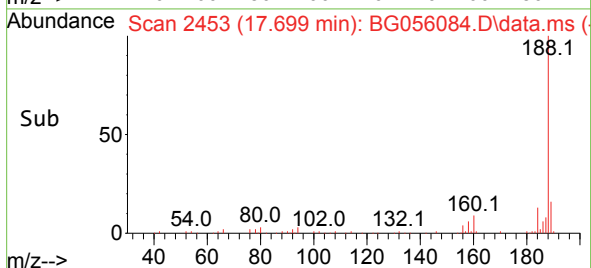
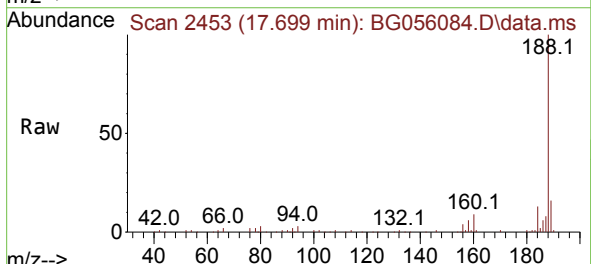
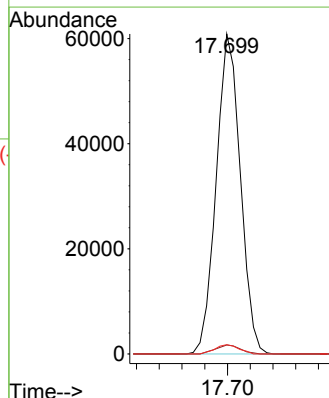
Tgt Ion:188 Resp: 89693

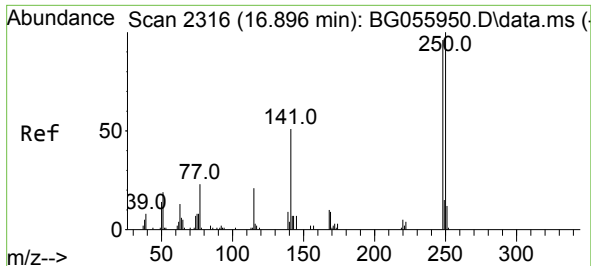
Ion Ratio Lower Upper

188 100

94 2.8 1.8 2.8#

80 2.9 2.4 3.6

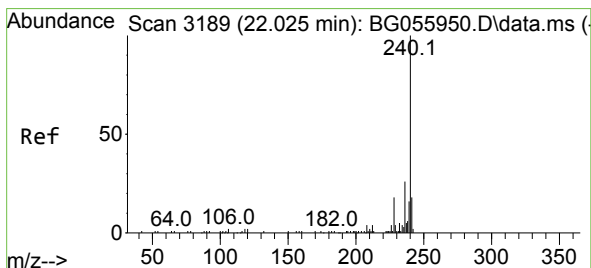
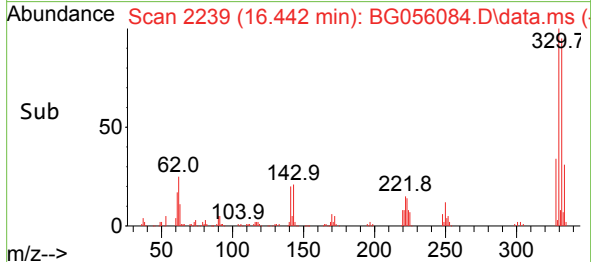
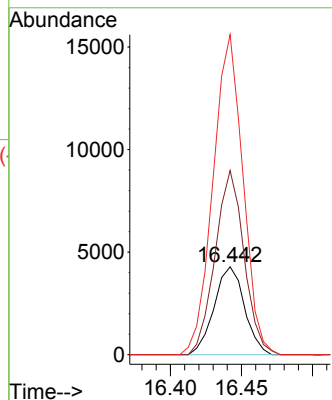
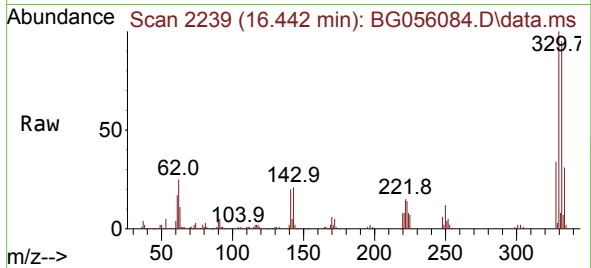




#67
4-Bromophenyl-phenylether
Concen: 4.841 ng
RT: 16.442 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

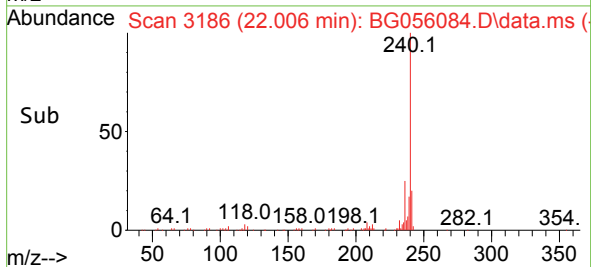
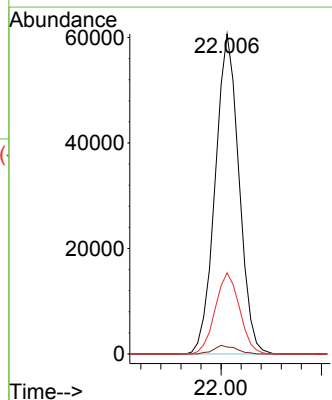
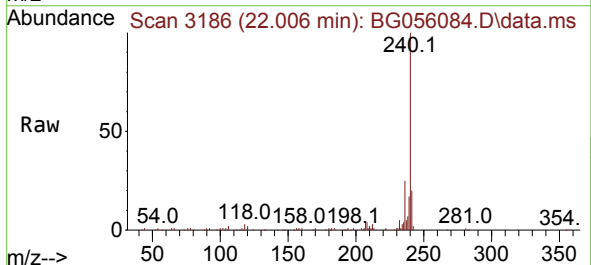
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

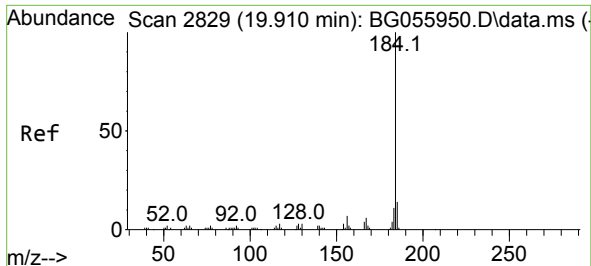
Tgt Ion:248 Resp: 6362
Ion Ratio Lower Upper
248 100
250 209.6 83.0 124.6#
141 364.2 42.6 64.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.006 min Scan# 3186
Delta R.T. -0.008 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

Tgt Ion:240 Resp: 99610
Ion Ratio Lower Upper
240 100
120 2.2 1.7 2.5
236 25.3 21.1 31.7

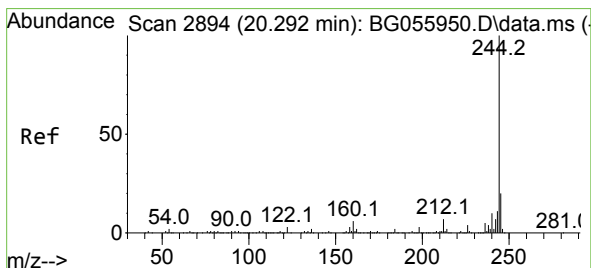
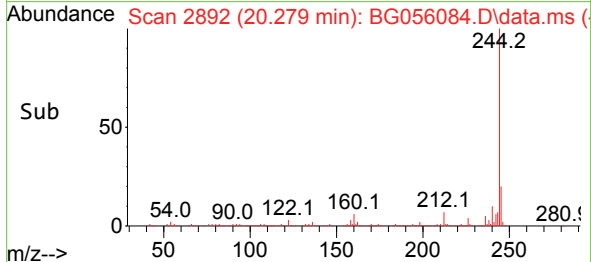
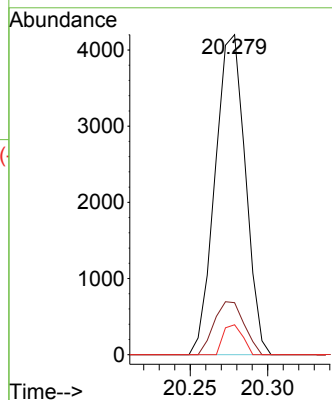
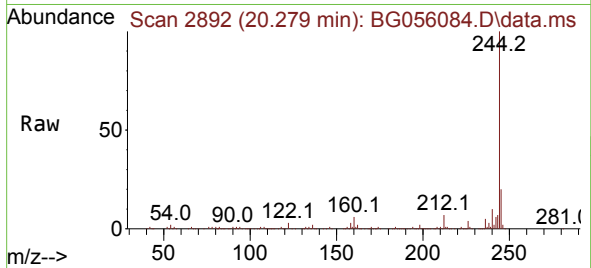




#77
Benzidine
Concen: 3.252 ng
RT: 20.279 min Scan# 2892
Delta R.T. 0.380 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

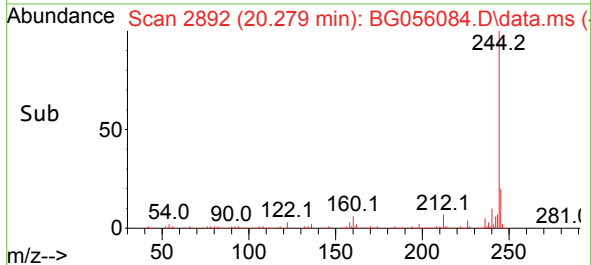
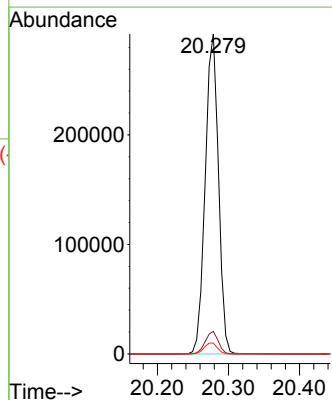
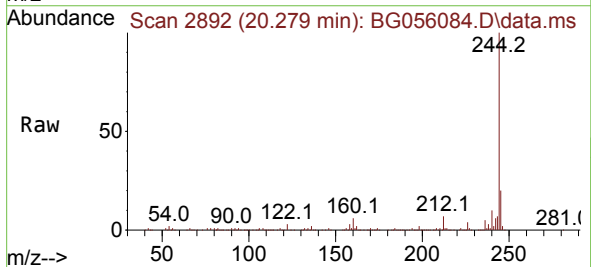
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

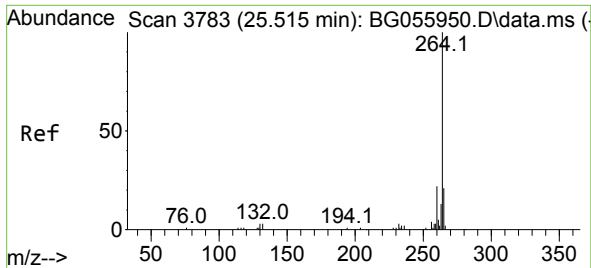
Tgt Ion:184 Resp: 5688
Ion Ratio Lower Upper
184 100
185 16.2 10.9 16.3
183 9.4 9.2 13.8



#79
Terphenyl-d14
Concen: 67.260 ng
RT: 20.279 min Scan# 2892
Delta R.T. -0.002 min
Lab File: BG056084.D
Acq: 23 Dec 2022 18:33

Tgt Ion:244 Resp: 379079
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 3.4 2.5 3.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.490 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056084.D

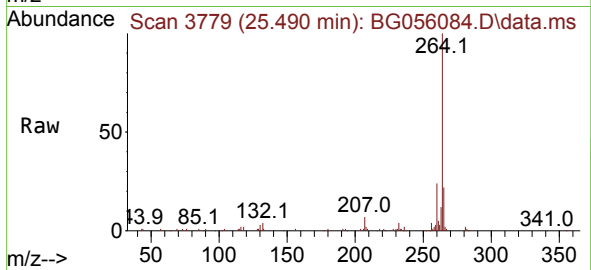
Acq: 23 Dec 2022 18:33

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER



Tgt Ion:264 Resp: 119133

Ion Ratio Lower Upper

264 100

260 24.0 17.8 26.8

265 22.0 16.6 25.0

