

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057472.D
 Acq On : 19 May 2023 18:10
 Operator : CG/JU
 Sample : 02840-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUND-WATER

Quant Time: May 20 04:29:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

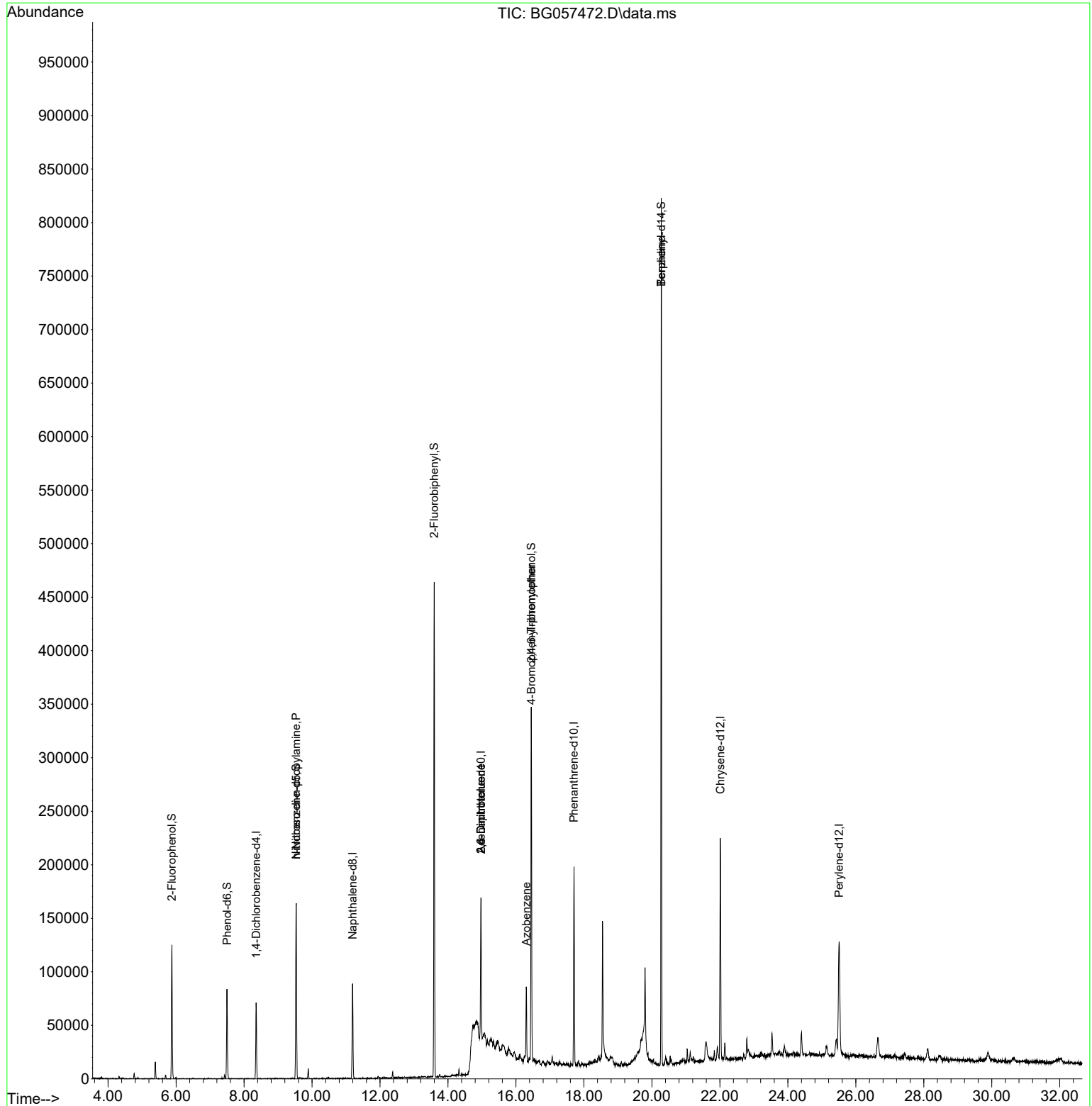
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	19746	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	72660	20.000	ng	# 0.00
39) Acenaphthene-d10	14.969	164	46756	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	121301	20.000	ng	0.00
76) Chrysene-d12	22.013	240	132184	20.000	ng	0.00
86) Perylene-d12	25.508	264	127199	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	54790	47.465	ng	0.00
7) Phenol-d6	7.497	99	48819	27.851	ng	0.00
23) Nitrobenzene-d5	9.535	82	104899	60.593	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	67845	102.266	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	244772	70.506	ng	0.00
79) Terphenyl-d14	20.274	244	412739	50.956	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.535	70	14833	11.098	ng	# 73
51) 2,6-Dinitrotoluene	14.969	165	6168	7.863	ng	# 19
57) 2,4-Dinitrotoluene	14.969	165	6168	5.501	ng	# 22
63) Azobenzene	16.309	77	21027	5.585	ng	# 1
67) 4-Bromophenyl-phenylether	16.455	248	4632	3.128	ng	# 1
77) Benzidine	20.274	184	6455	2.184	ng	# 88

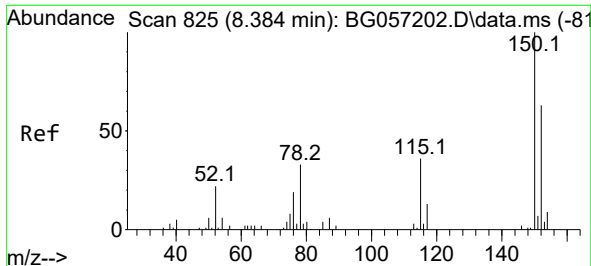
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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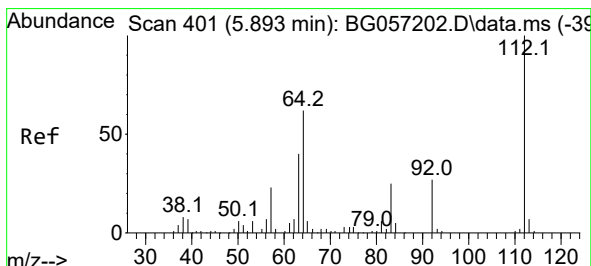
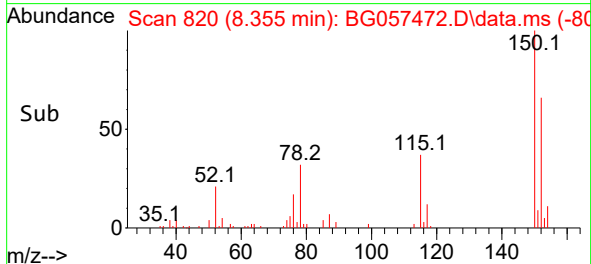
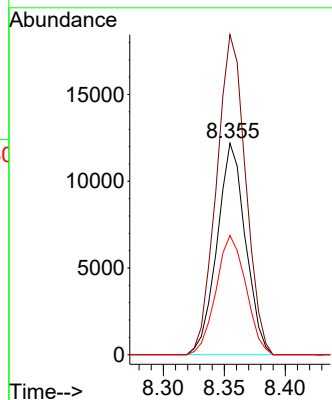
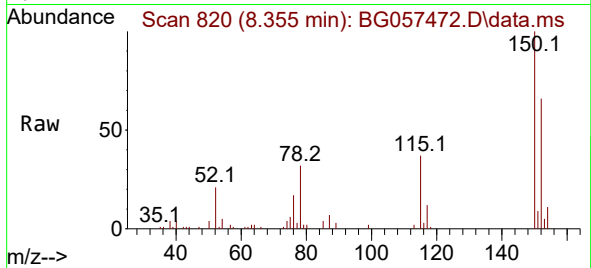




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

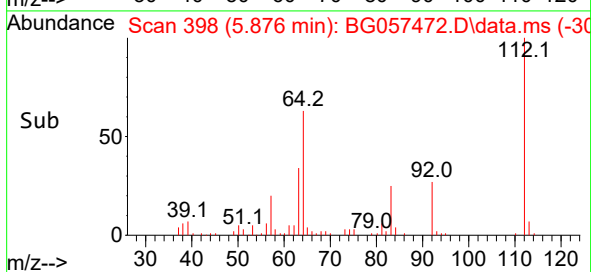
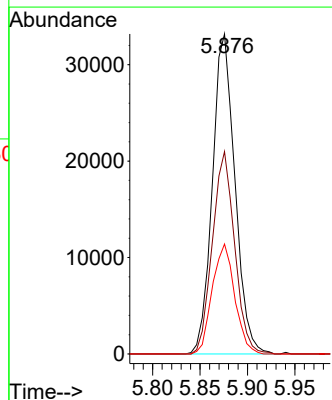
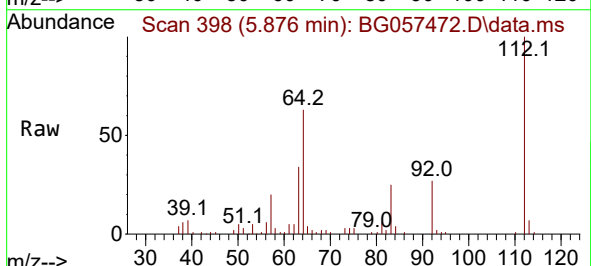
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

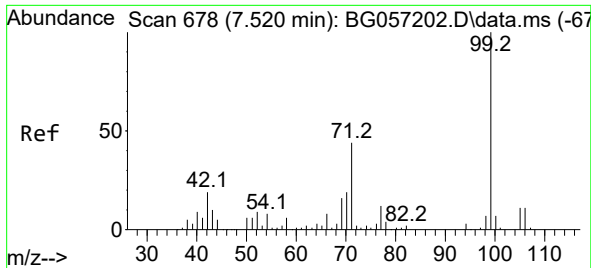
Tgt Ion:152 Resp: 19746
Ion Ratio Lower Upper
152 100
150 151.4 126.2 189.4
115 56.4 45.0 67.4



#5
2-Fluorophenol
Concen: 47.465 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

Tgt Ion:112 Resp: 54790
Ion Ratio Lower Upper
112 100
64 63.3 49.4 74.2
63 34.4 31.6 47.4

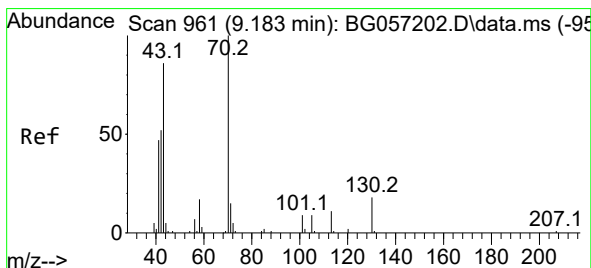
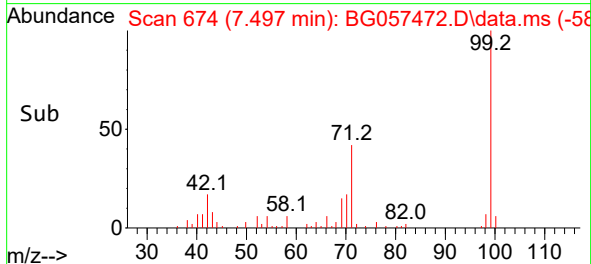
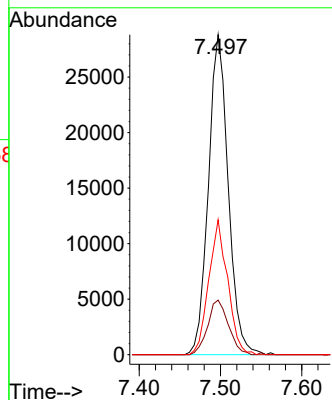
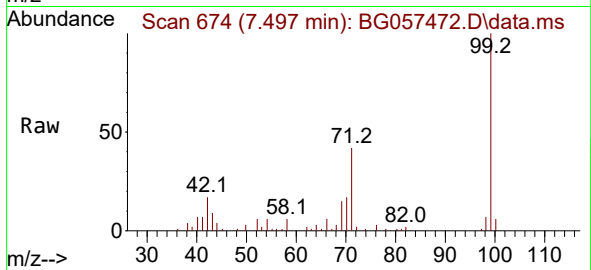




#7
Phenol-d6
Concen: 27.851 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

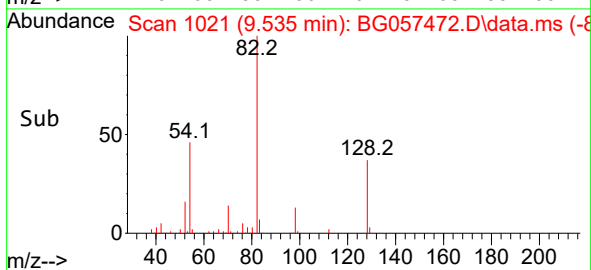
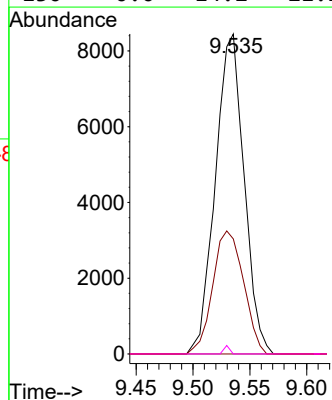
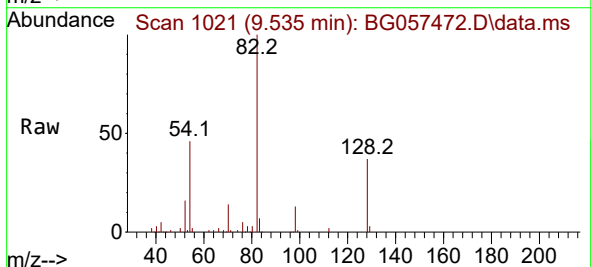
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

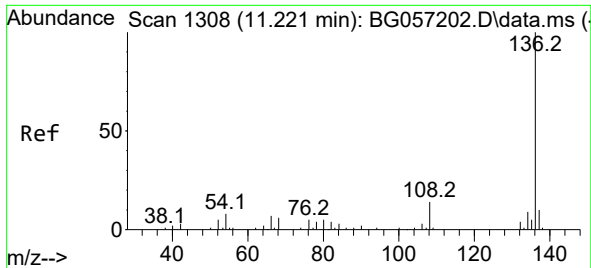
Tgt Ion: 99 Resp: 48819
Ion Ratio Lower Upper
99 100
42 17.0 15.1 22.7
71 42.2 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.098 ng
RT: 9.535 min Scan# 1021
Delta R.T. 0.375 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

Tgt Ion: 70 Resp: 14833
Ion Ratio Lower Upper
70 100
42 36.0 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#

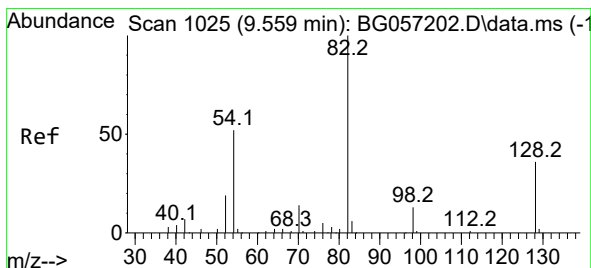
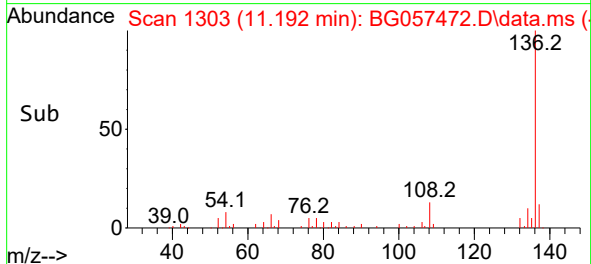
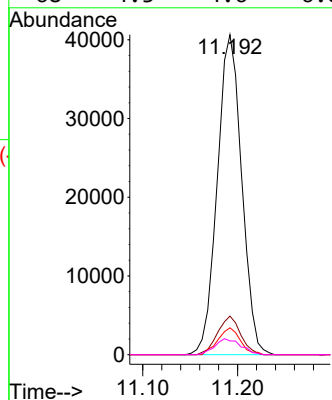
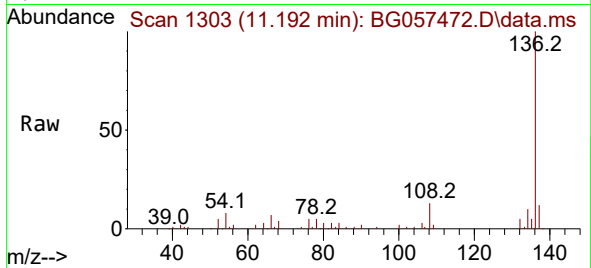




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

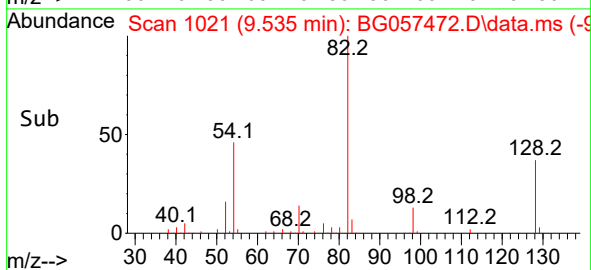
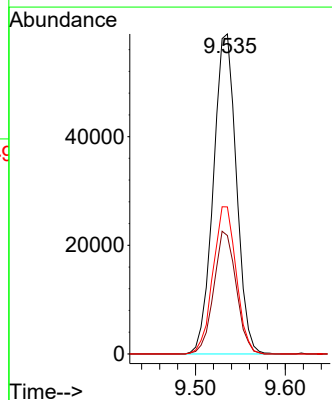
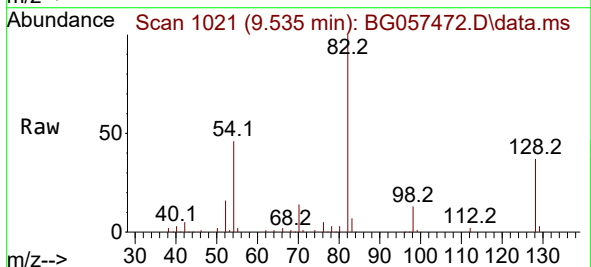
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

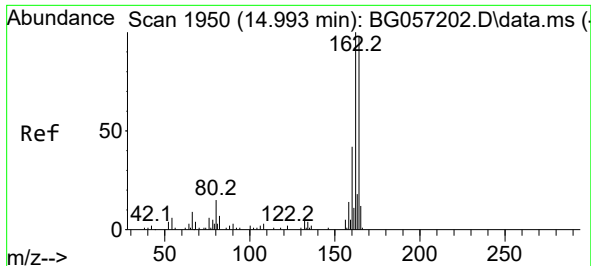
Tgt Ion:136 Resp: 72660
Ion Ratio Lower Upper
136 100
137 12.1 8.3 12.5
54 8.4 6.7 10.1
68 4.3 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 60.593 ng
RT: 9.535 min Scan# 1021
Delta R.T. -0.001 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

Tgt Ion: 82 Resp: 104899
Ion Ratio Lower Upper
82 100
128 37.0 29.0 43.4
54 45.9 41.4 62.0

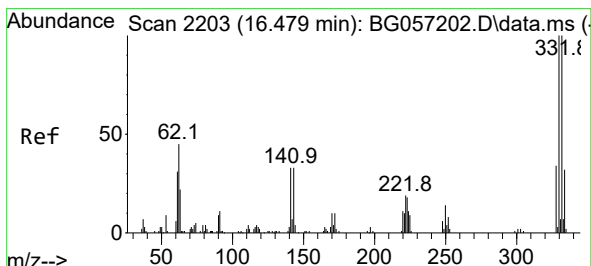
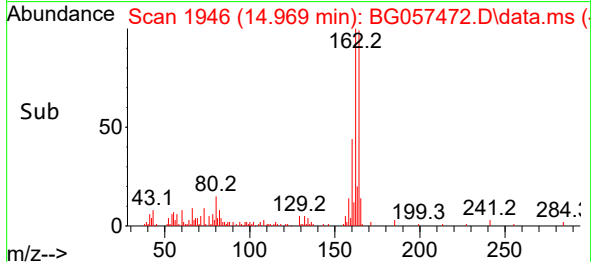
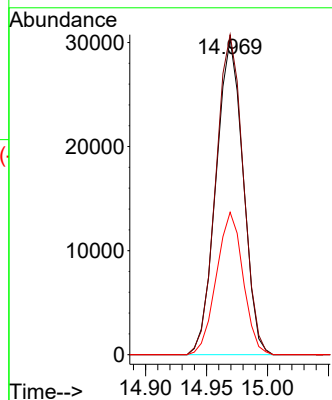
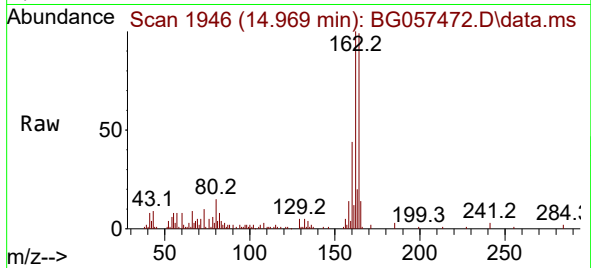




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1950
Delta R.T. -0.007 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

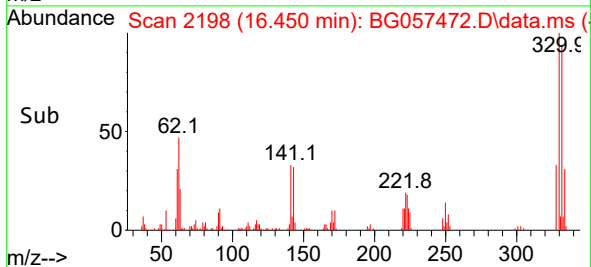
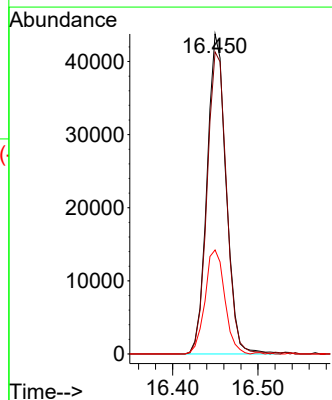
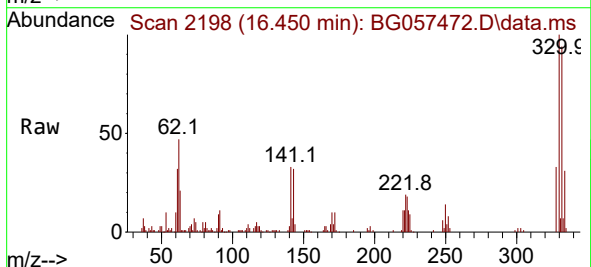
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

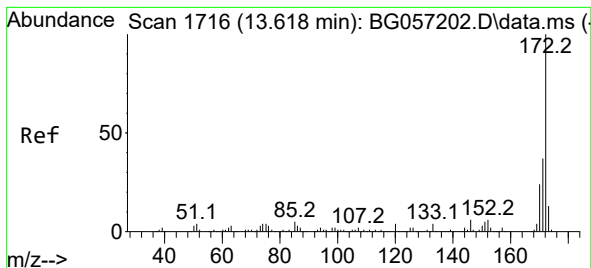
Tgt Ion:164 Resp: 46756
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.6
160 45.1 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 102.266 ng
RT: 16.450 min Scan# 2198
Delta R.T. -0.007 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

Tgt Ion:330 Resp: 67845
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.2
141 33.6 27.8 41.8





#45

2-Fluorobiphenyl

Concen: 70.506 ng

RT: 13.595 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG057472.D

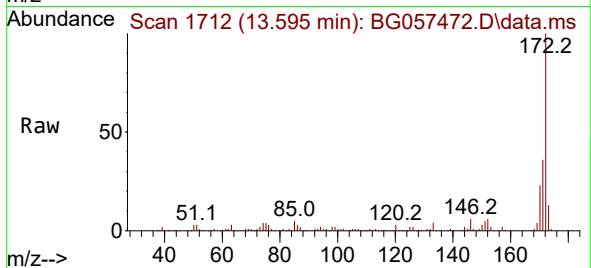
Acq: 19 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER



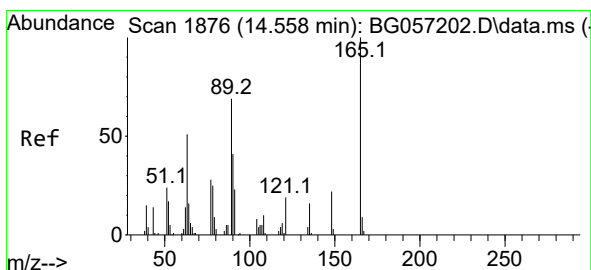
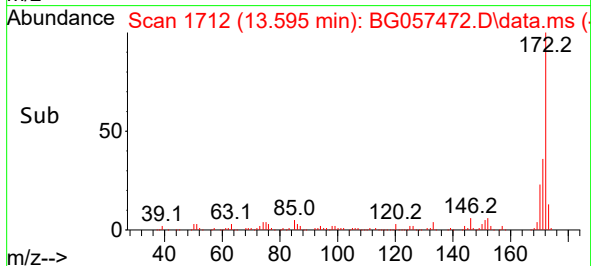
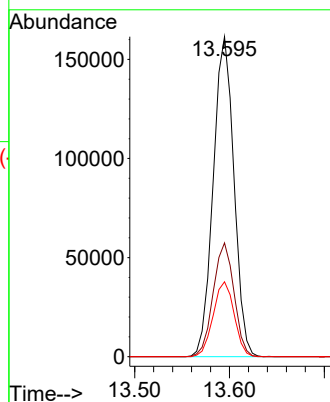
Tgt Ion:172 Resp: 244772

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

170 23.4 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 7.863 ng

RT: 14.969 min Scan# 1946

Delta R.T. 0.428 min

Lab File: BG057472.D

Acq: 19 May 2023 18:10

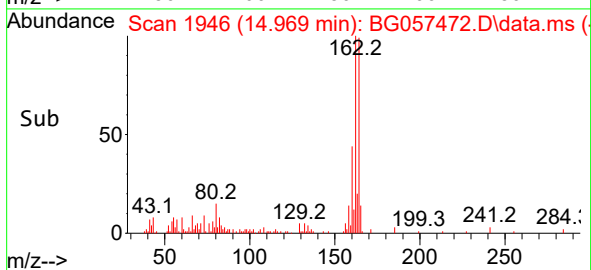
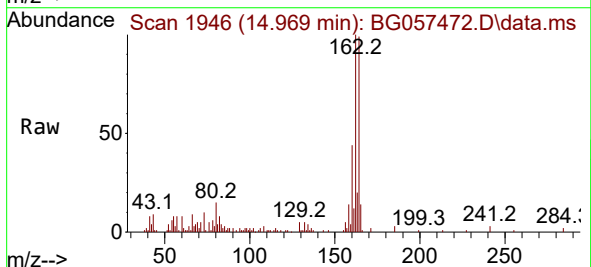
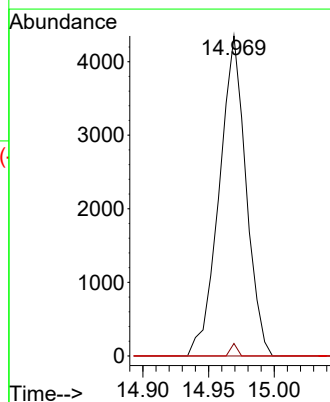
Tgt Ion:165 Resp: 6168

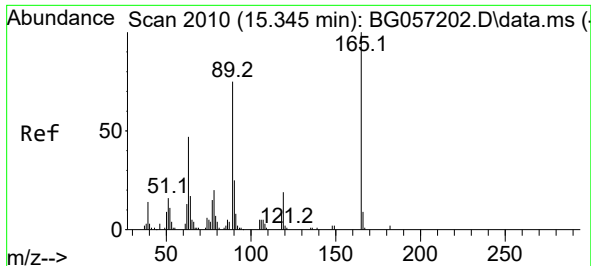
Ion Ratio Lower Upper

165 100

63 3.9 50.9 76.3#

89 0.0 55.2 82.8#





#57

2,4-Dinitrotoluene

Concen: 5.501 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.359 min

Lab File: BG057472.D

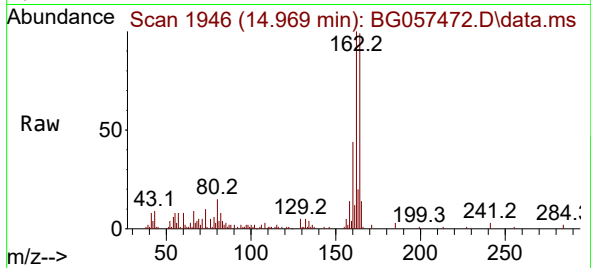
Acq: 19 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER



Tgt Ion:165 Resp: 6168

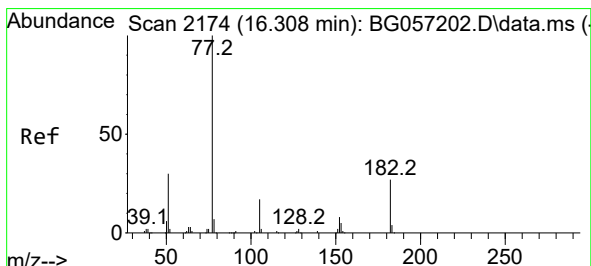
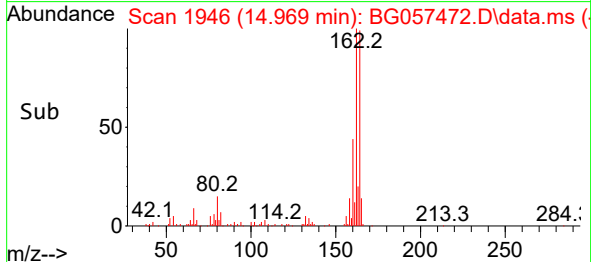
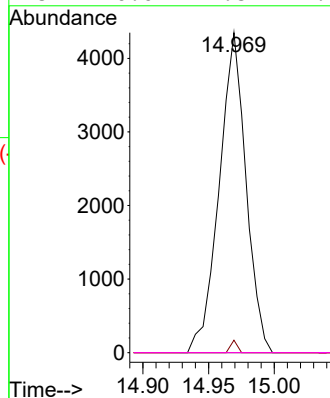
Ion Ratio Lower Upper

165 100

63 3.9 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 5.585 ng

RT: 16.309 min Scan# 2174

Delta R.T. 0.022 min

Lab File: BG057472.D

Acq: 19 May 2023 18:10

Tgt Ion: 77 Resp: 21027

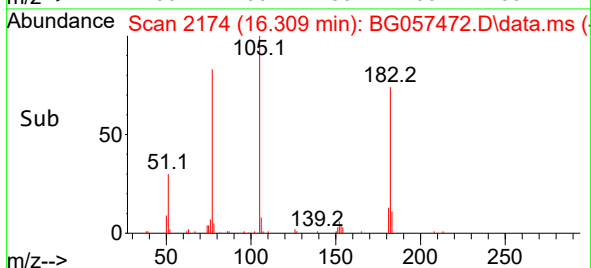
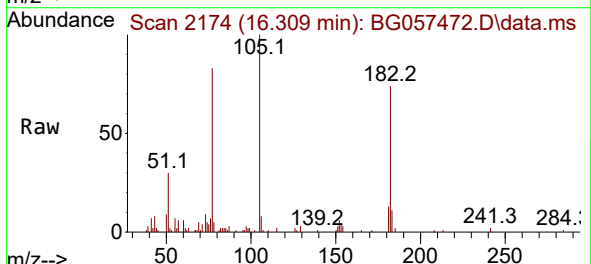
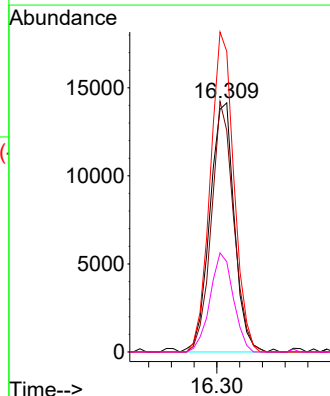
Ion Ratio Lower Upper

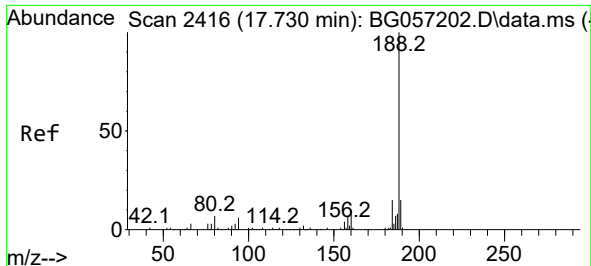
77 100

182 88.9 7.4 47.4#

105 120.6 0.0 37.2#

51 36.2 10.1 50.1

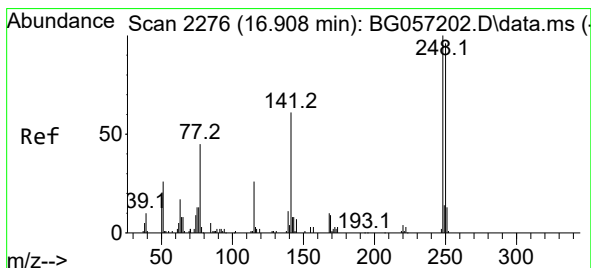
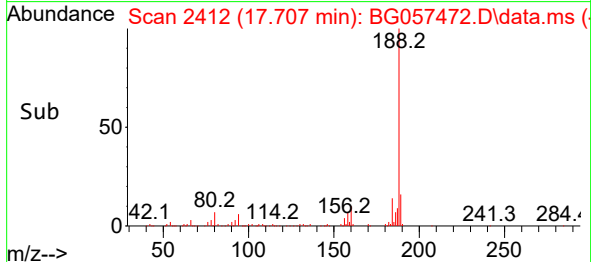
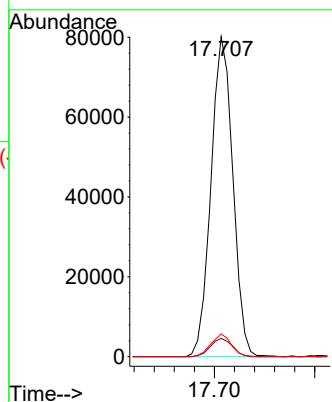
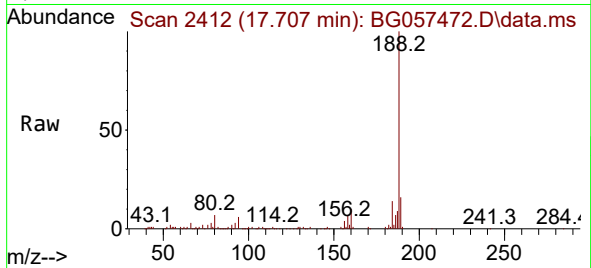




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

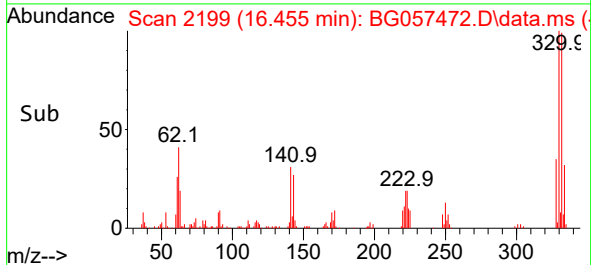
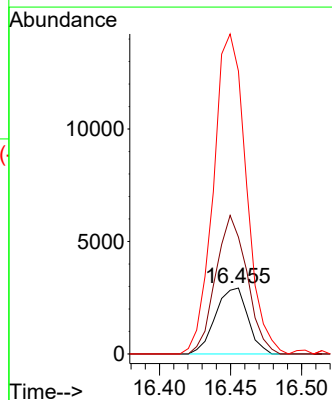
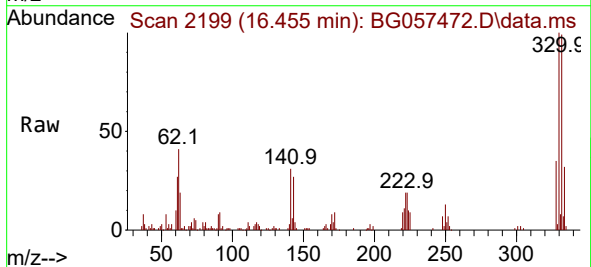
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

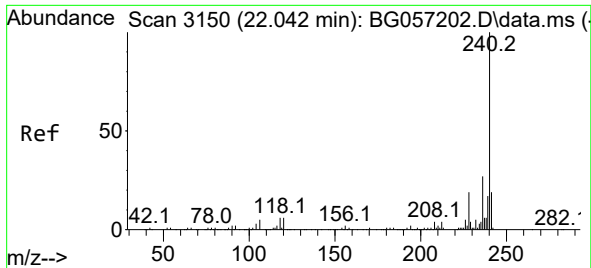
Tgt Ion:188 Resp: 121301
Ion Ratio Lower Upper
188 100
94 5.7 5.1 7.7
80 7.1 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 3.128 ng
RT: 16.455 min Scan# 2199
Delta R.T. -0.430 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

Tgt Ion:248 Resp: 4632
Ion Ratio Lower Upper
248 100
250 177.3 77.0 115.6#
141 429.3 48.6 72.8#

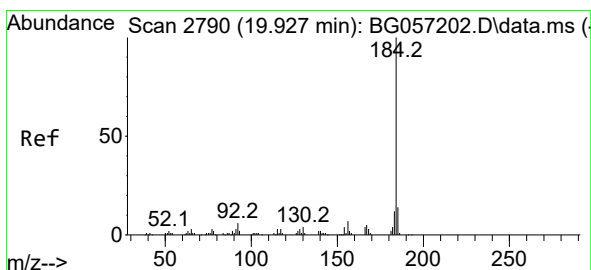
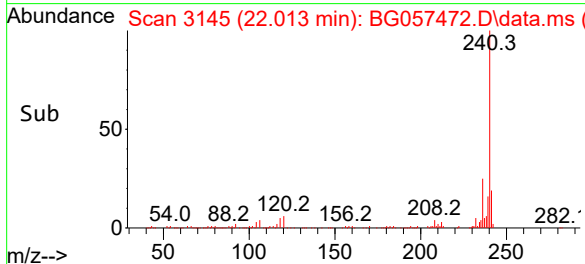
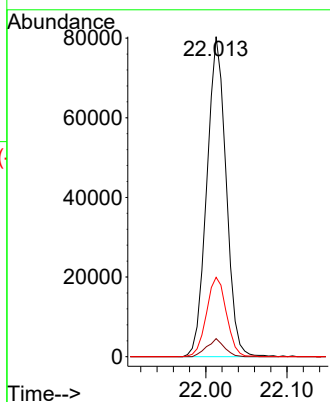
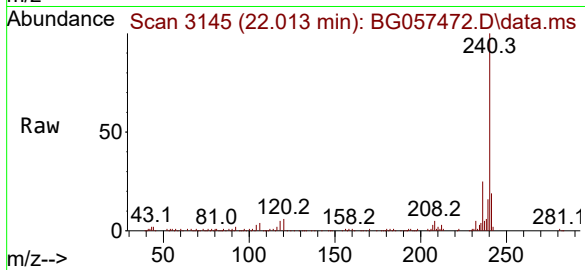




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

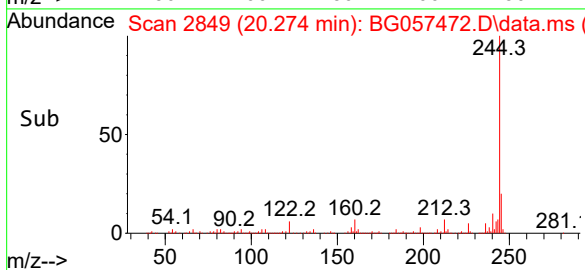
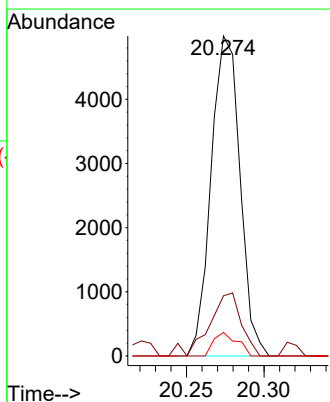
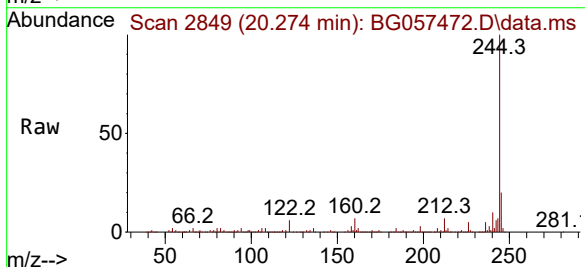
Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

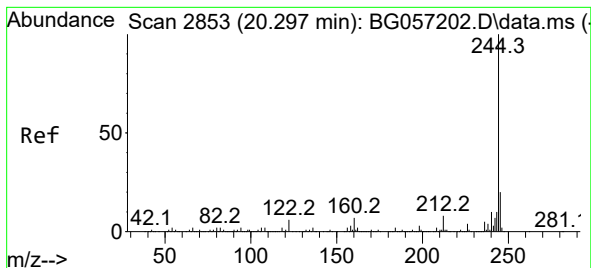
Tgt Ion:240 Resp: 132184
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 24.8 21.4 32.2



#77
Benzidine
Concen: 2.184 ng
RT: 20.274 min Scan# 2849
Delta R.T. 0.363 min
Lab File: BG057472.D
Acq: 19 May 2023 18:10

Tgt Ion:184 Resp: 6455
Ion Ratio Lower Upper
184 100
185 18.8 11.1 16.7#
183 7.4 9.9 14.9#





#79

Terphenyl-d14

Concen: 50.956 ng

RT: 20.274 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG057472.D

Acq: 19 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

GROUND-WATER

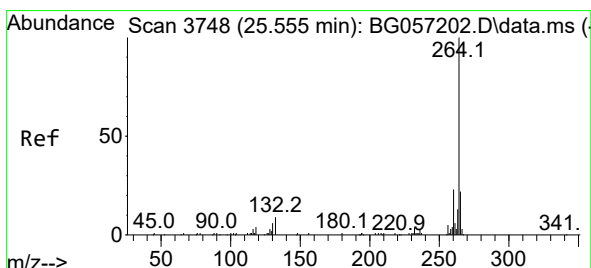
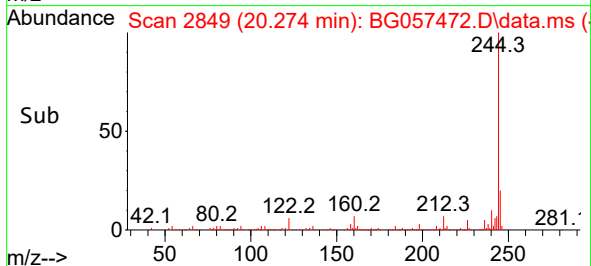
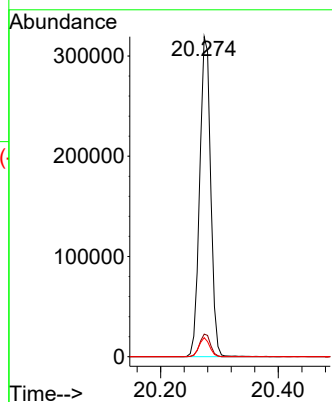
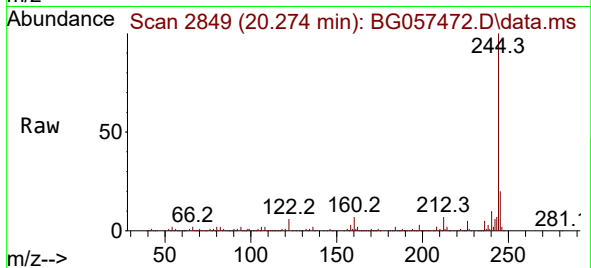
Tgt Ion:244 Resp: 412739

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 5.9 5.1 7.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.508 min Scan# 3740

Delta R.T. -0.007 min

Lab File: BG057472.D

Acq: 19 May 2023 18:10

Tgt Ion:264 Resp: 127199

Ion Ratio Lower Upper

264 100

260 25.1 18.8 28.2

265 21.1 17.9 26.9

