

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060058.D
 Acq On : 16 Dec 2023 6:43
 Operator : MA/JU
 Sample : 05791-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1B-SOIL

Quant Time: Dec 18 00:10:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

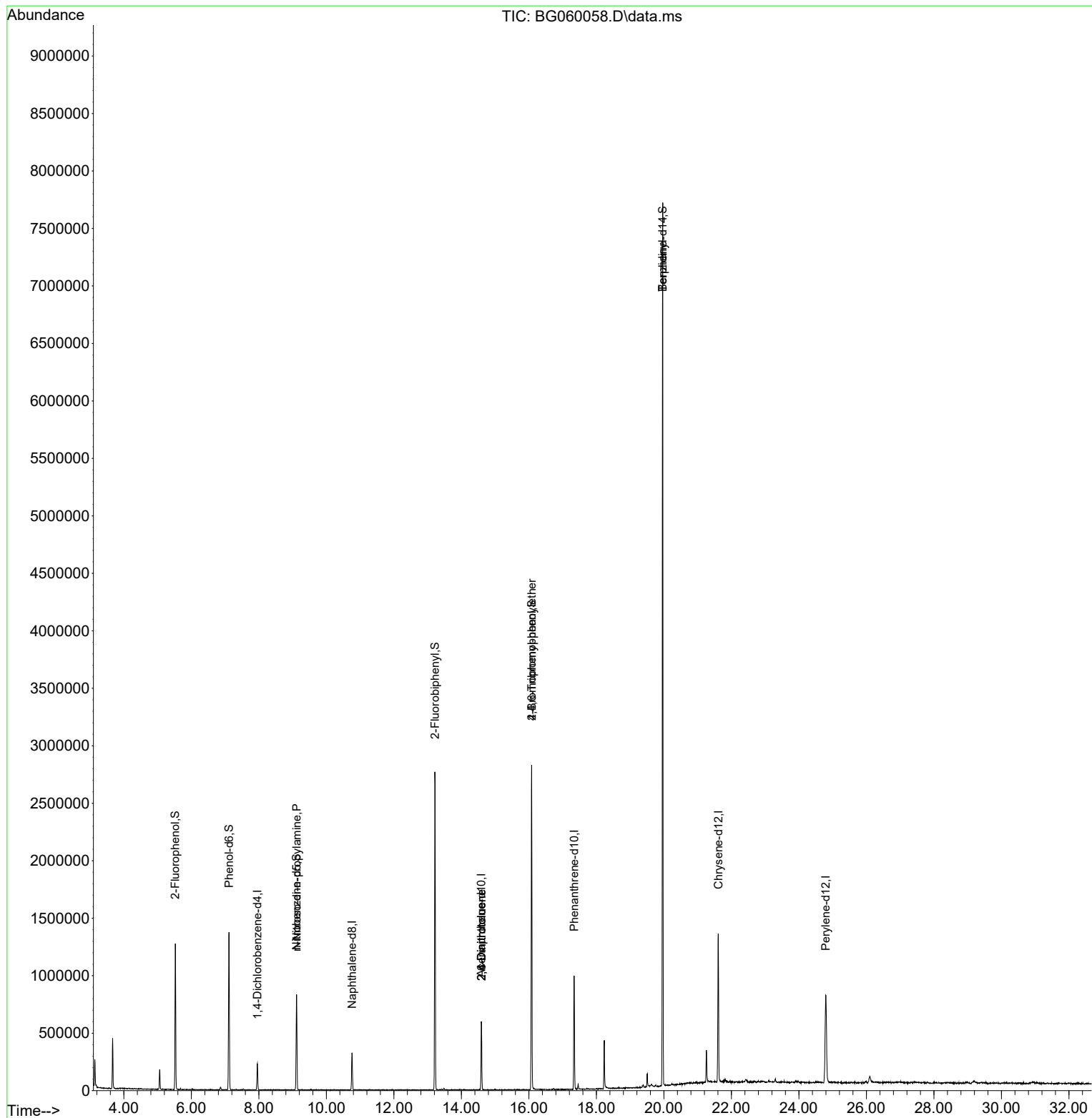
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	61440	20.000	ng	0.00
21) Naphthalene-d8	10.759	136	249887	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	212732	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	686231	20.000	ng	0.00
76) Chrysene-d12	21.610	240	840757	20.000	ng	0.00
86) Perylene-d12	24.795	264	979903	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	461862	128.685	ng	0.00
7) Phenol-d6	7.116	99	705408	139.722	ng	0.00
23) Nitrobenzene-d5	9.113	82	480216	87.262	ng	0.00
42) 2,4,6-Tribromophenol	16.082	330	666183	134.375	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	1517362	87.297	ng	0.00
79) Terphenyl-d14	19.965	244	4115320	89.364	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.119	70	64223	19.717	ng	# 81
51) 2,6-Dinitrotoluene	14.595	165	28931	8.458	ng	# 24
57) 2,4-Dinitrotoluene	14.595	165	28931	6.017	ng	# 28
67) 4-Bromophenyl-phenylether	16.082	248	41457	4.282	ng	# 1
69) Atrazine	16.763	200	70	Below Cal		# 34
77) Benzidine	19.965	184	66490	6.157	ng	# 91

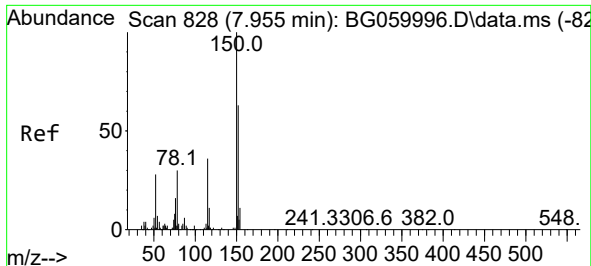
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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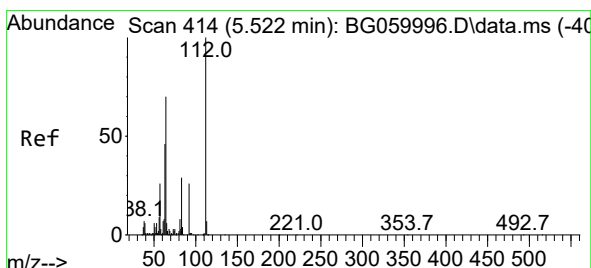
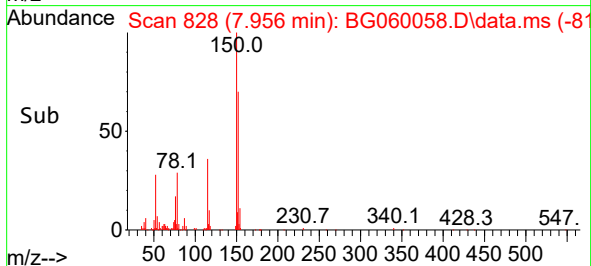
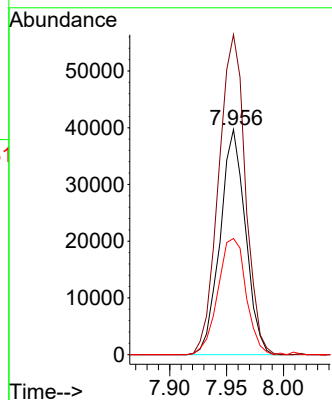
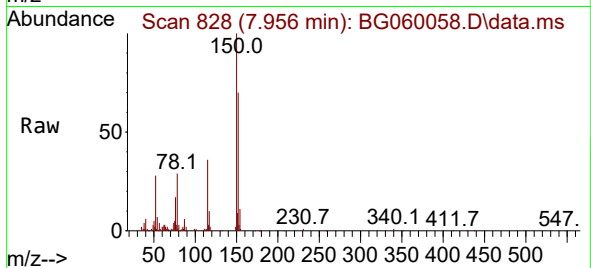




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.956 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BG060058.D
 Acq: 16 Dec 2023 6:43

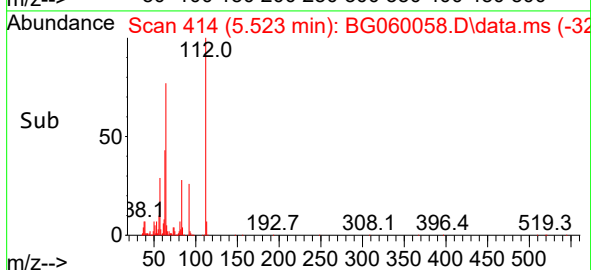
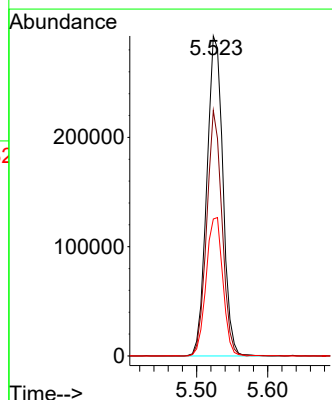
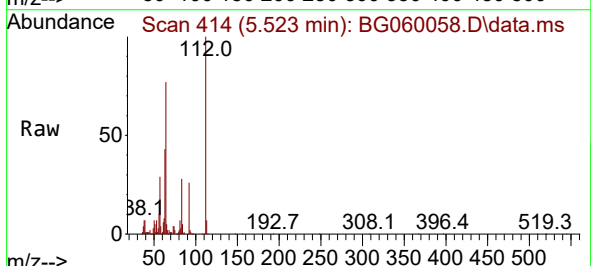
Instrument :
 BNA_G
 ClientSampleId :
 MW-1B-SOIL

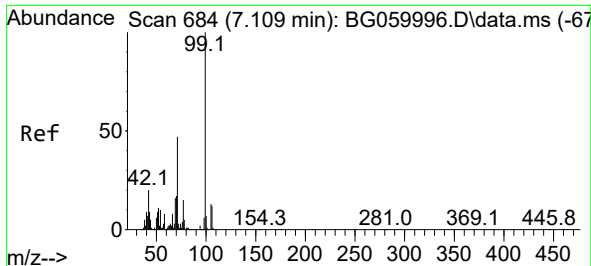
Tgt Ion:152 Resp: 61440
 Ion Ratio Lower Upper
 152 100
 150 142.2 127.0 190.6
 115 51.6 45.7 68.5



#5
 2-Fluorophenol
 Concen: 128.685 ng
 RT: 5.523 min Scan# 414
 Delta R.T. 0.001 min
 Lab File: BG060058.D
 Acq: 16 Dec 2023 6:43

Tgt Ion:112 Resp: 461862
 Ion Ratio Lower Upper
 112 100
 64 76.7 55.9 83.9
 63 42.8 36.5 54.7

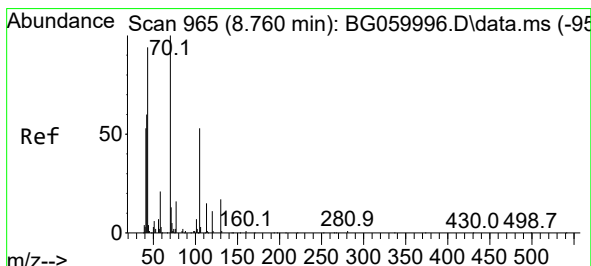
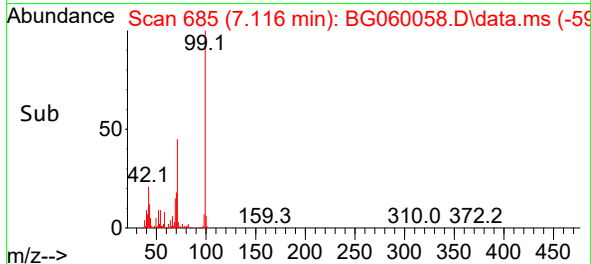
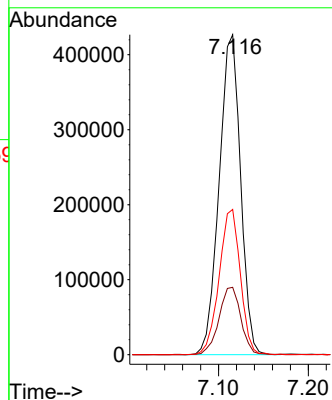
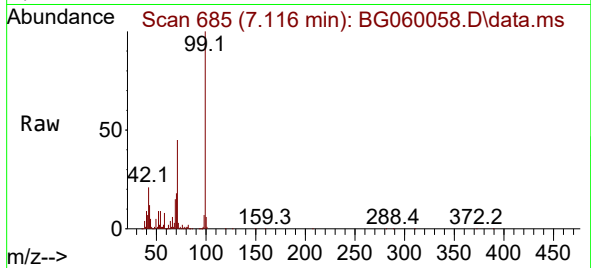




#7
Phenol-d6
Concen: 139.722 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

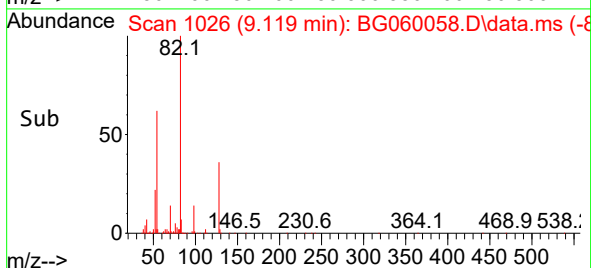
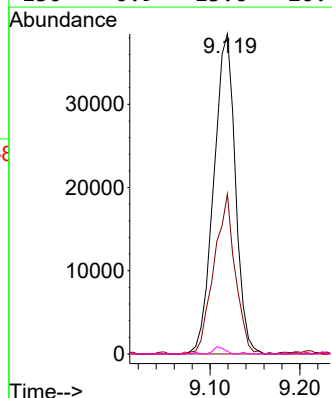
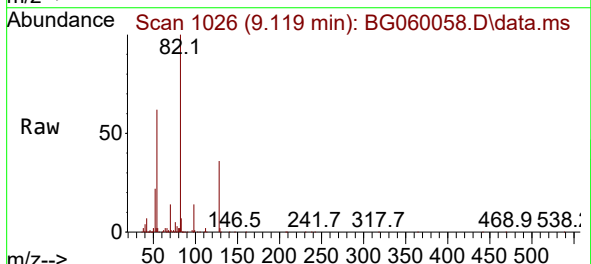
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

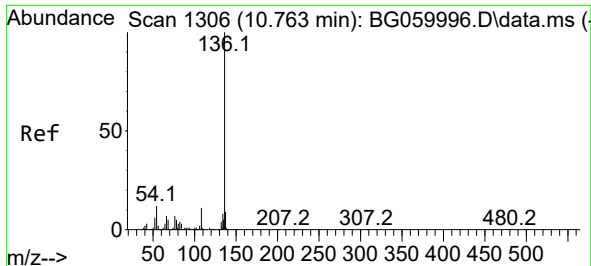
Tgt Ion: 99 Resp: 705408
Ion Ratio Lower Upper
99 100
42 21.0 16.2 24.4
71 45.4 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.717 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.359 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

Tgt Ion: 70 Resp: 64223
Ion Ratio Lower Upper
70 100
42 50.0 48.6 73.0
101 0.0 5.7 8.5#
130 0.9 13.6 20.4#

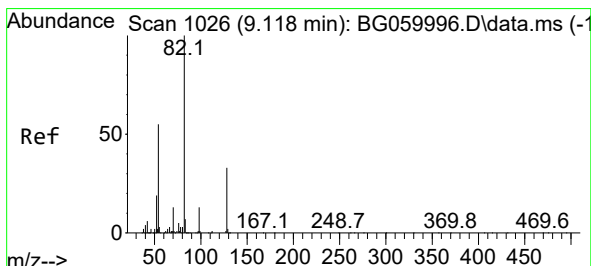
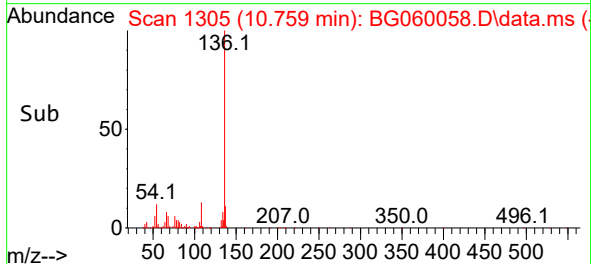
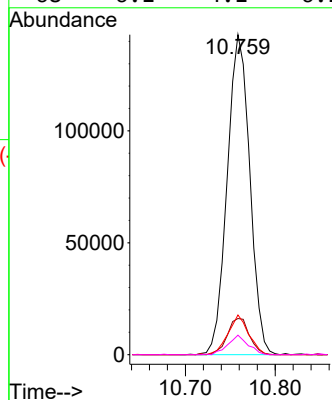
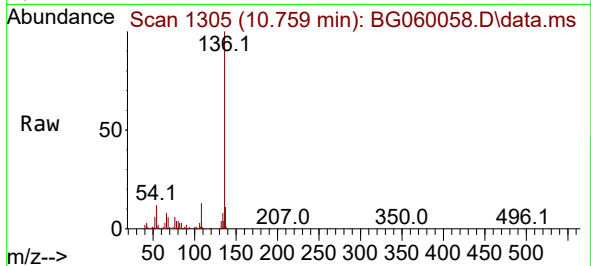




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.759 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

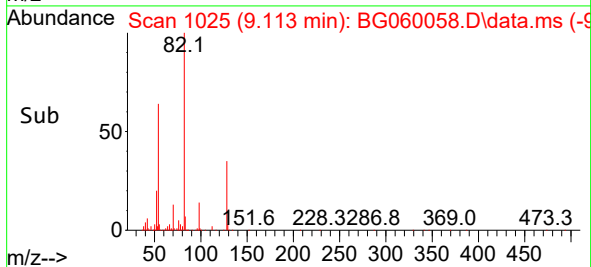
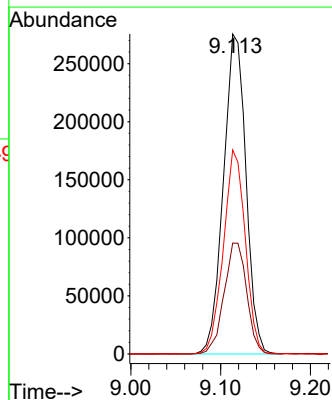
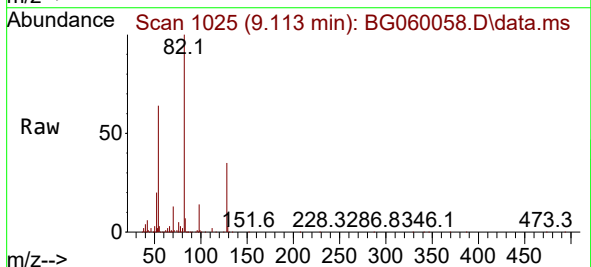
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

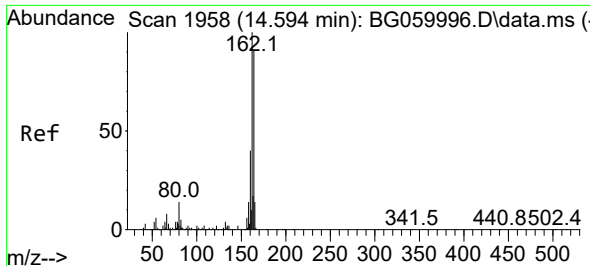
Tgt Ion:136 Resp: 249887
Ion Ratio Lower Upper
136 100
137 11.3 7.3 10.9#
54 12.4 9.6 14.4
68 6.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 87.262 ng
RT: 9.113 min Scan# 1025
Delta R.T. -0.005 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

Tgt Ion: 82 Resp: 480216
Ion Ratio Lower Upper
82 100
128 34.7 26.3 39.5
54 63.8 44.3 66.5

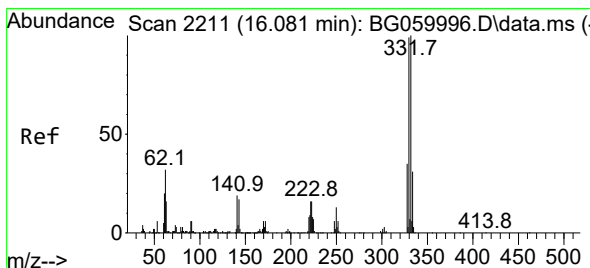
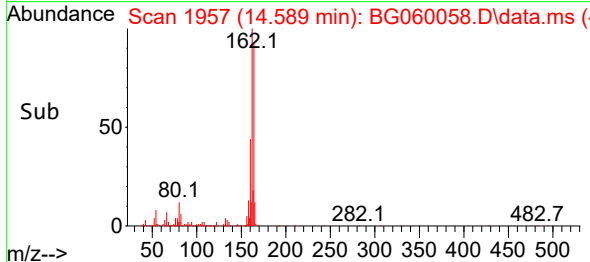
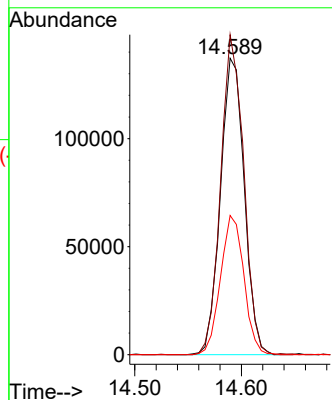
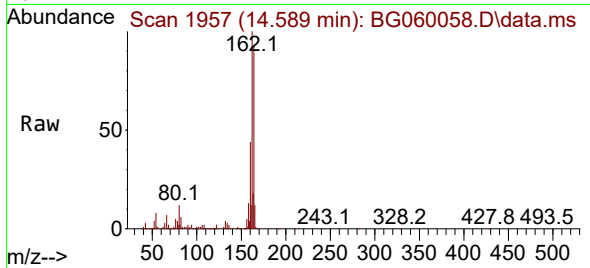




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

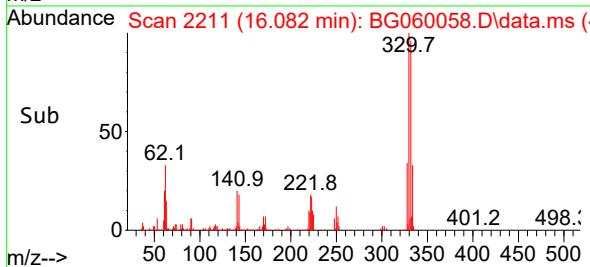
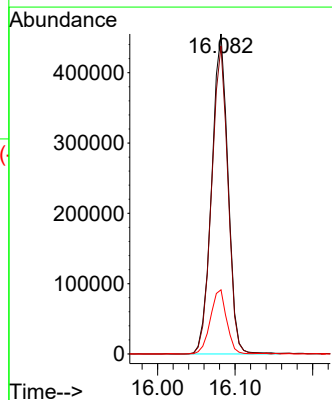
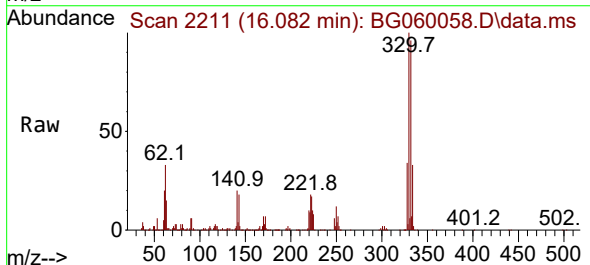
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

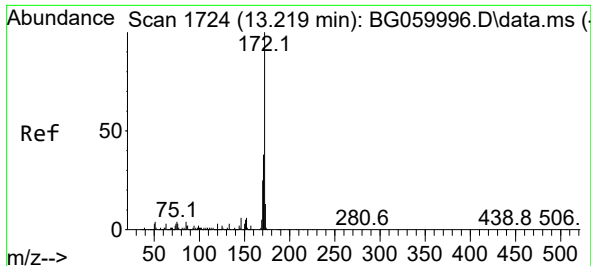
Tgt Ion:164 Resp: 212732
Ion Ratio Lower Upper
164 100
162 107.9 88.1 132.1
160 47.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 134.375 ng
RT: 16.082 min Scan# 2211
Delta R.T. 0.001 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

Tgt Ion:330 Resp: 666183
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 19.9 14.3 21.5

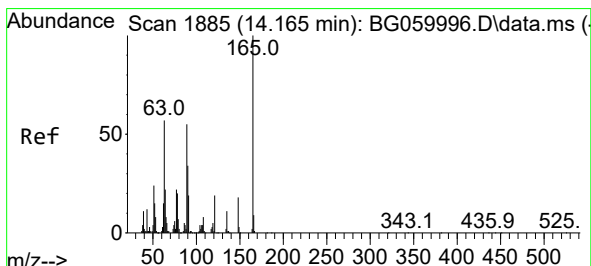
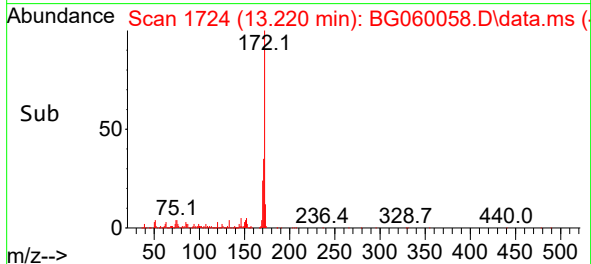
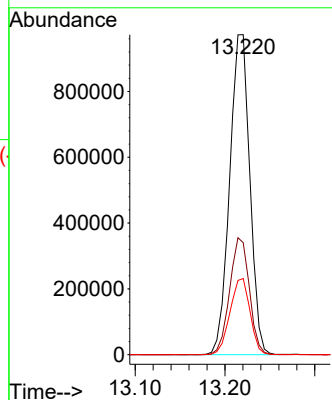
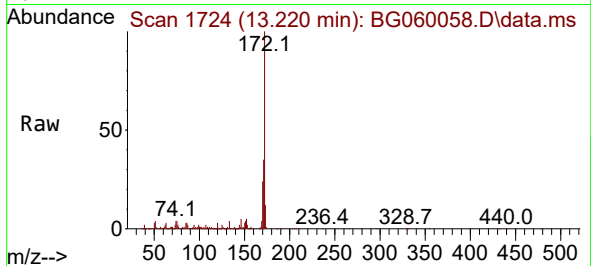




#45
2-Fluorobiphenyl
Concen: 87.297 ng
RT: 13.220 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

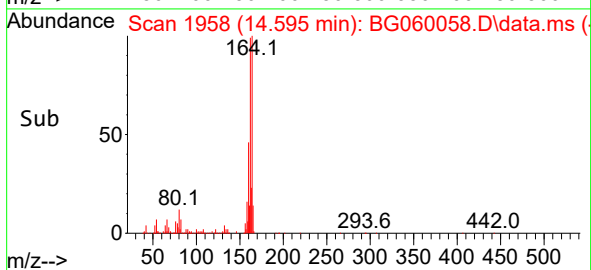
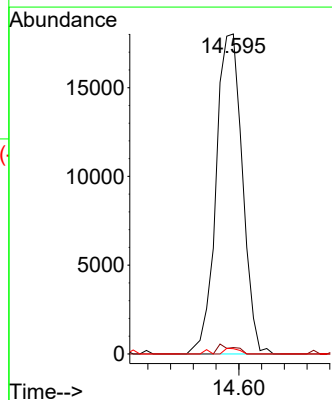
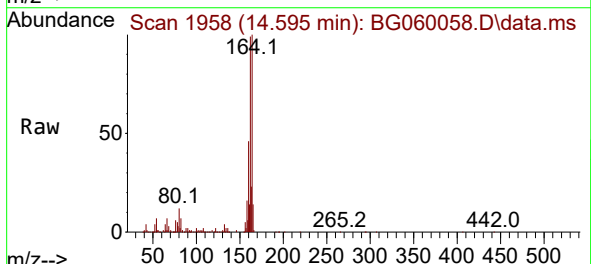
Instrument :
BNA_G
ClientSampleId :
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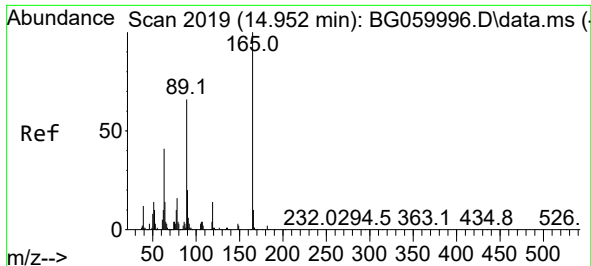
Tgt Ion:172 Resp: 1517362
Ion Ratio Lower Upper
172 100
171 35.0 30.1 45.1
170 23.8 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.458 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.430 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

Tgt Ion:165 Resp: 28931
Ion Ratio Lower Upper
165 100
63 2.0 48.2 72.2#
89 1.7 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 6.017 ng

RT: 14.595 min Scan# 1958

Delta R.T. -0.357 min

Lab File: BG060058.D

Acq: 16 Dec 2023 6:43

Instrument :

BNA_G

ClientSampleId :

MW-1B-SOIL

Tgt Ion:165 Resp: 28931

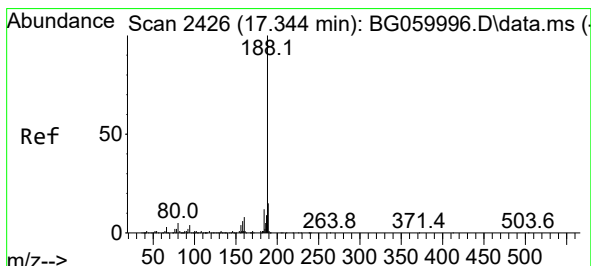
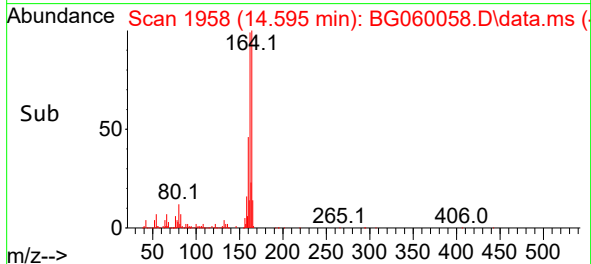
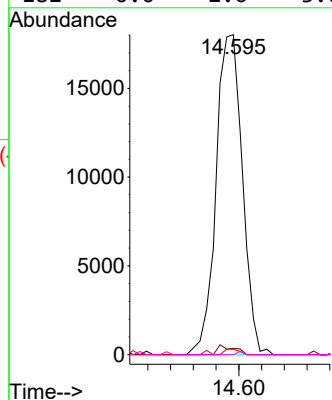
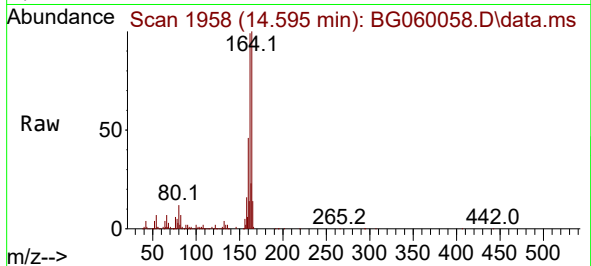
Ion Ratio Lower Upper

165 100

63 2.0 32.8 49.2#

89 1.7 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2425

Delta R.T. -0.005 min

Lab File: BG060058.D

Acq: 16 Dec 2023 6:43

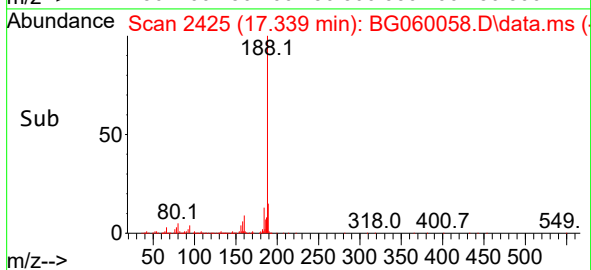
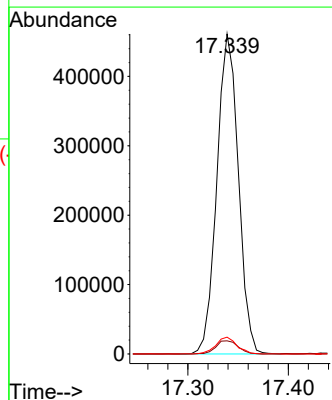
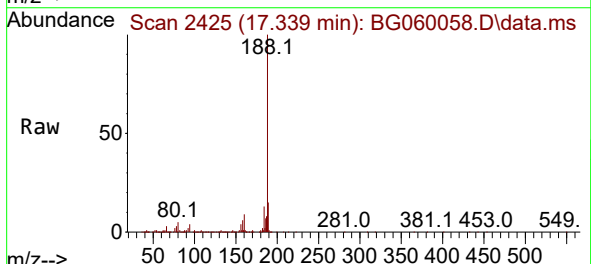
Tgt Ion:188 Resp: 686231

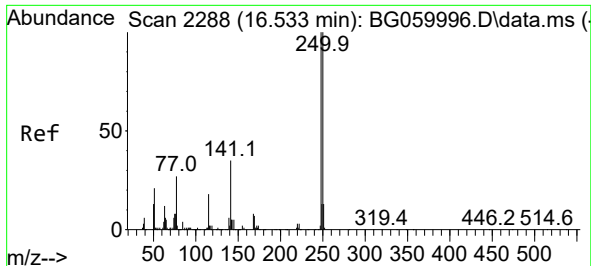
Ion Ratio Lower Upper

188 100

94 4.1 3.0 4.6

80 5.3 4.0 6.0

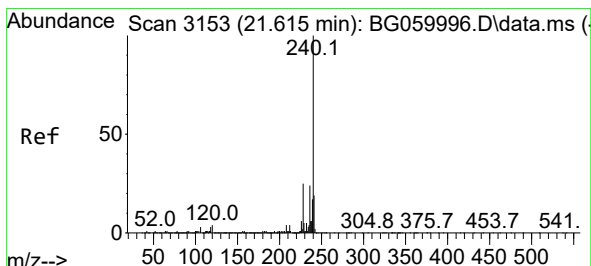
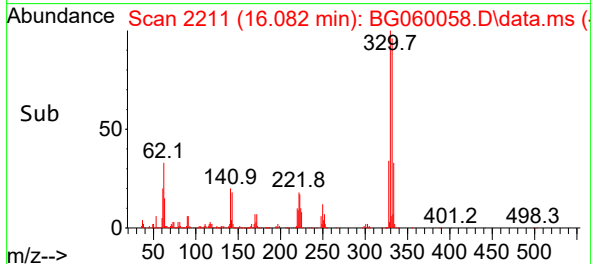
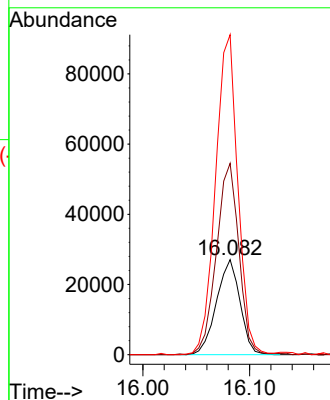
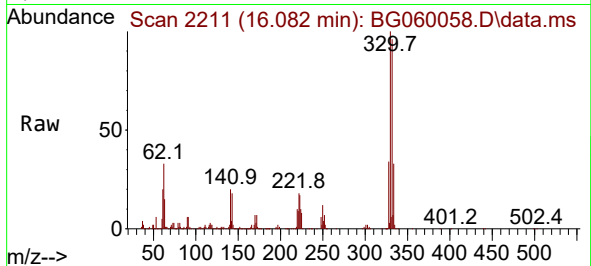




#67
4-Bromophenyl-phenylether
Concen: 4.282 ng
RT: 16.082 min Scan# 21
Delta R.T. -0.451 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

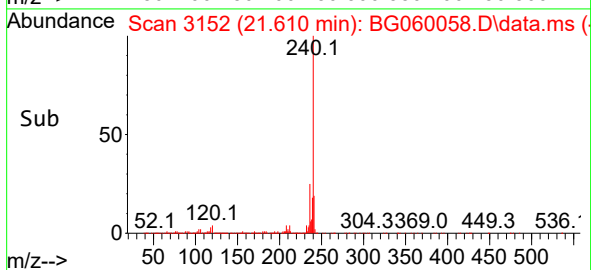
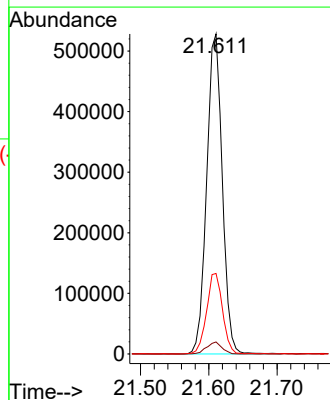
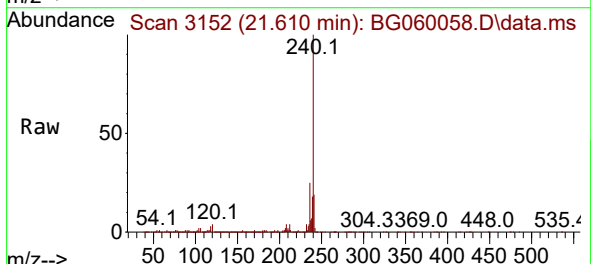
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

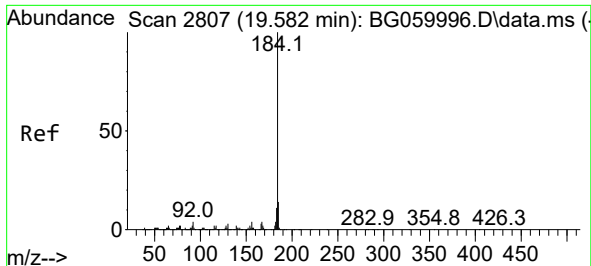
Tgt Ion:248 Resp: 41457
Ion Ratio Lower Upper
248 100
250 201.3 79.9 119.9#
141 336.4 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

Tgt Ion:240 Resp: 840757
Ion Ratio Lower Upper
240 100
120 3.8 2.9 4.3
236 25.2 19.4 29.2

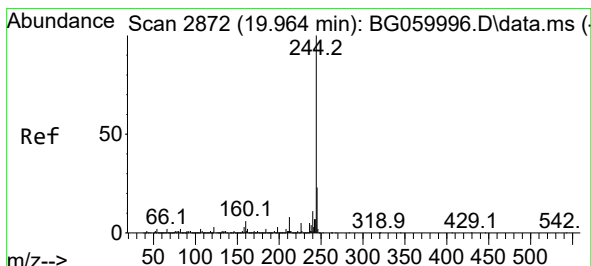
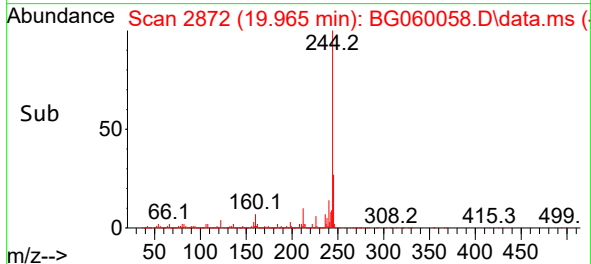
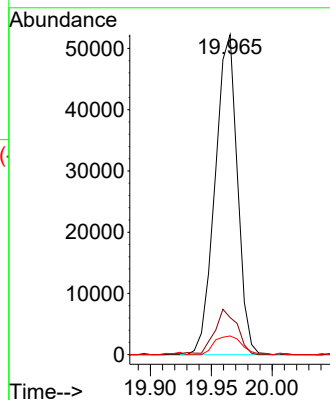
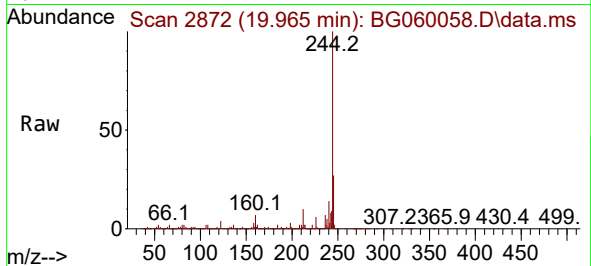




#77
Benzidine
Concen: 6.157 ng
RT: 19.965 min Scan# 2807
Delta R.T. 0.383 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

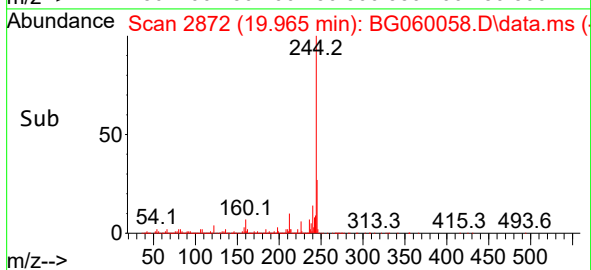
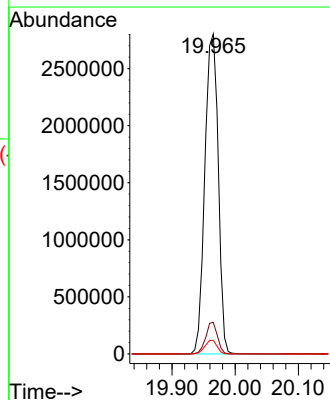
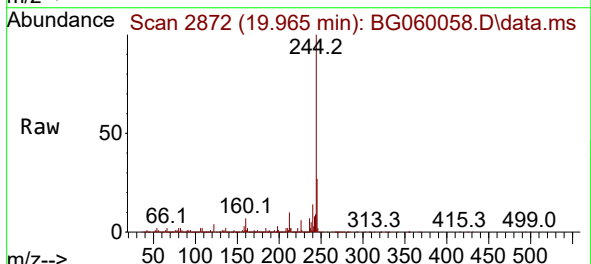
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

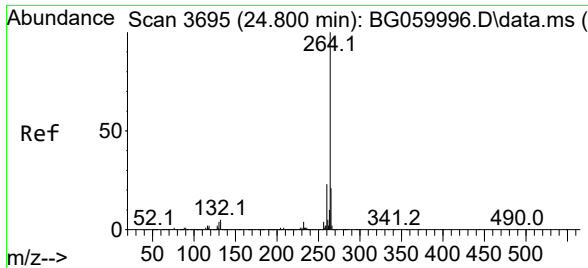
Tgt Ion:184 Resp: 66490
Ion Ratio Lower Upper
184 100
185 11.6 11.1 16.7
183 5.9 9.0 13.4#



#79
Terphenyl-d14
Concen: 89.364 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.001 min
Lab File: BG060058.D
Acq: 16 Dec 2023 6:43

Tgt Ion:244 Resp: 4115320
Ion Ratio Lower Upper
244 100
212 9.8 6.8 10.2
122 4.3 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.795 min Scan# 30
 Delta R.T. -0.005 min
 Lab File: BG060058.D
 Acq: 16 Dec 2023 6:43

Instrument :
 BNA_G
 ClientSampleId :
 MW-1B-SOIL

Tgt Ion:264 Resp: 979903
 Ion Ratio Lower Upper
 264 100
 260 22.0 18.5 27.7
 265 22.0 17.3 25.9

