

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060052.D
 Acq On : 16 Dec 2023 2:40
 Operator : MA/JU
 Sample : 05791-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1B-SOIL

Quant Time: Dec 16 03:19:53 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)

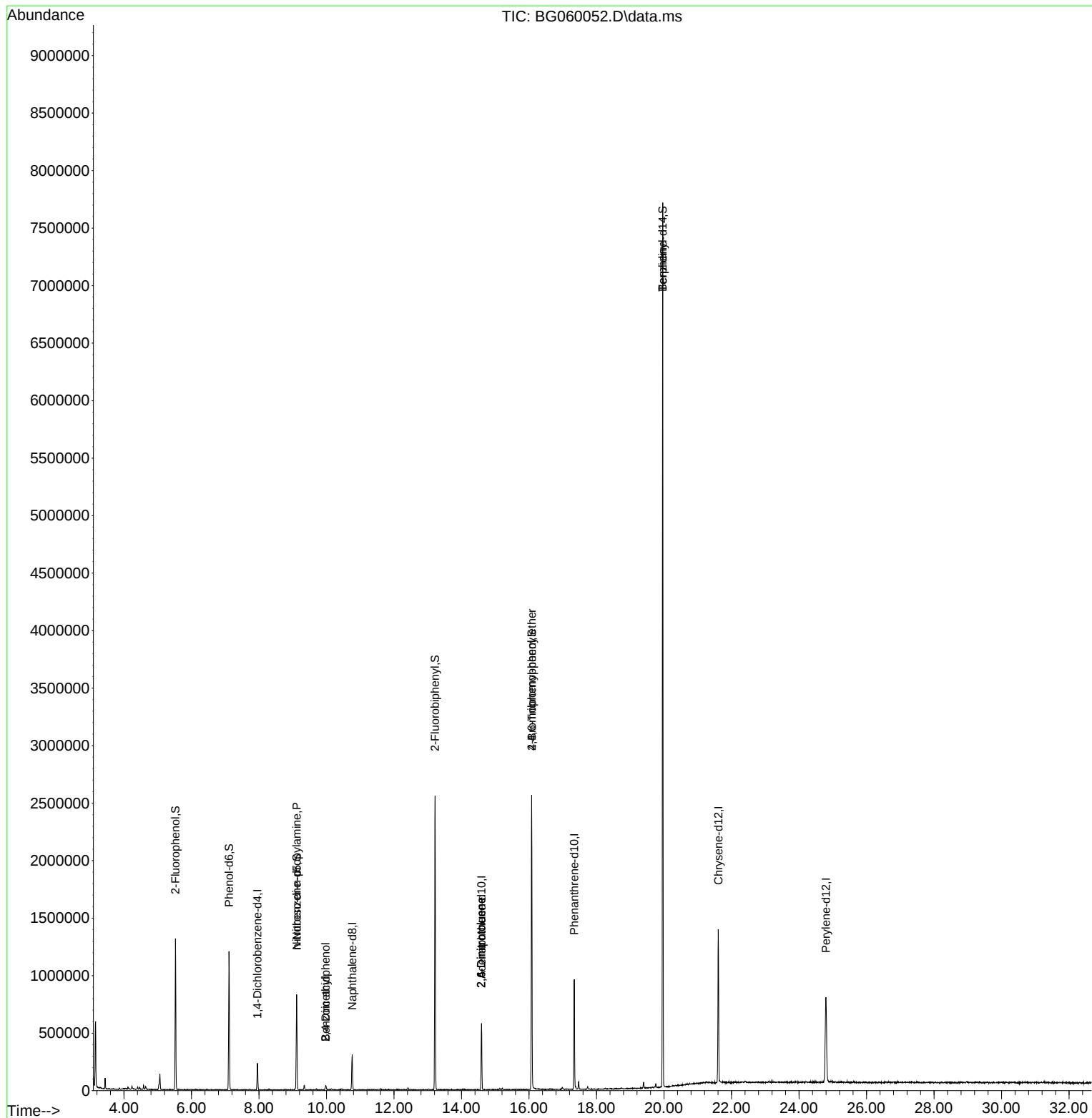
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	61194	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	243809	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	201100	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	656225	20.000	ng	0.00
76) Chrysene-d12	21.608	240	844222	20.000	ng	0.00
86) Perylene-d12	24.798	264	938430	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	451659	126.348	ng	0.00
7) Phenol-d6	7.113	99	596236	118.573	ng	0.00
23) Nitrobenzene-d5	9.116	82	457468	85.201	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	604556	128.998	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1374237	83.636	ng	0.00
79) Terphenyl-d14	19.963	244	3873393	83.766	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.116	70	61971	19.102	ng	# 80
27) 2,4-Dimethylphenol	9.974	122	13185	4.798	ng	# 1
32) Benzoic acid	9.974	122	13185	5.275	ng	# 79
51) 2,6-Dinitrotoluene	14.587	165	27511	8.508	ng	# 25
57) 2,4-Dinitrotoluene	14.587	165	27511	6.052	ng	# 28
67) 4-Bromophenyl-phenylether	16.079	248	35254	3.808	ng	# 1
69) Atrazine	16.790	200	73	Below Cal		# 34
77) Benzidine	19.963	184	59768	5.512	ng	# 89

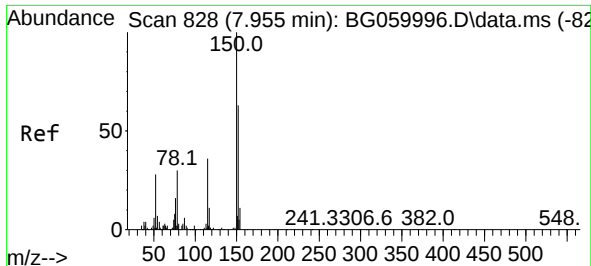
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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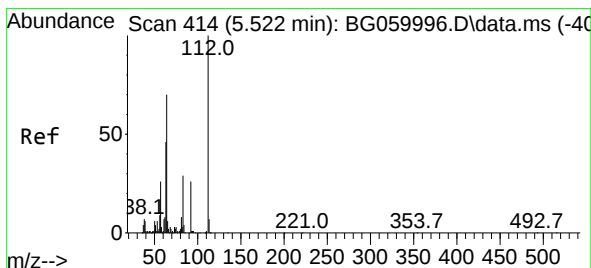
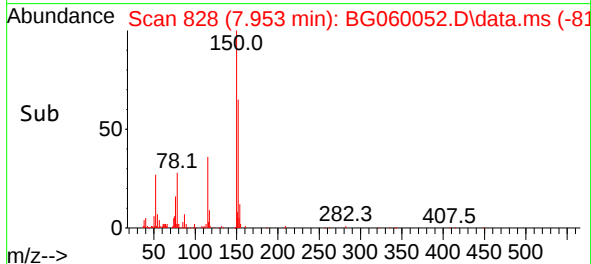
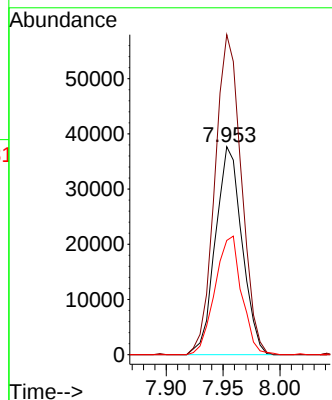
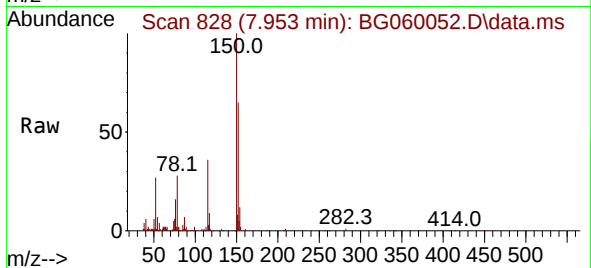




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

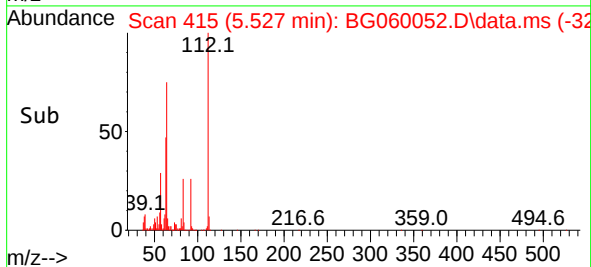
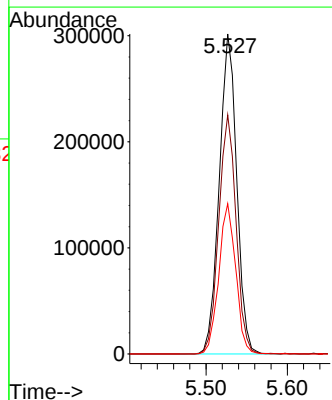
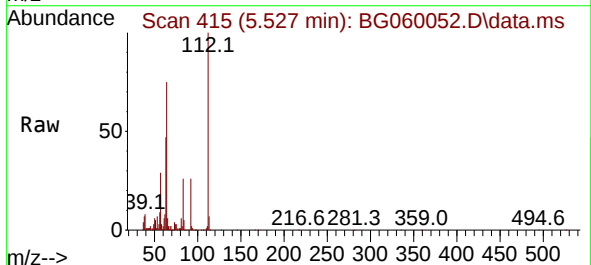
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BNA_G
ClientSampleId :
MW-1B-SOIL

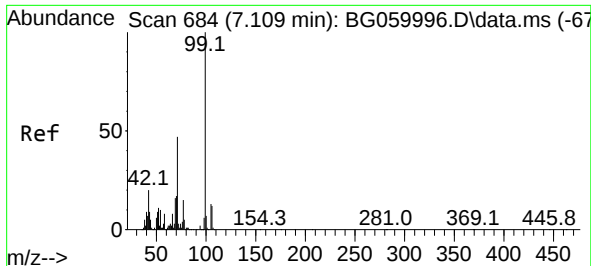
Tgt Ion:152 Resp: 61194
Ion Ratio Lower Upper
152 100
150 153.8 127.0 190.6
115 54.9 45.7 68.5



#5
2-Fluorophenol
Concen: 126.348 ng
RT: 5.527 min Scan# 415
Delta R.T. 0.005 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Tgt Ion:112 Resp: 451659
Ion Ratio Lower Upper
112 100
64 74.7 55.9 83.9
63 46.9 36.5 54.7

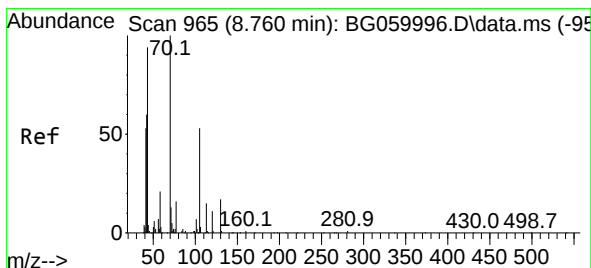
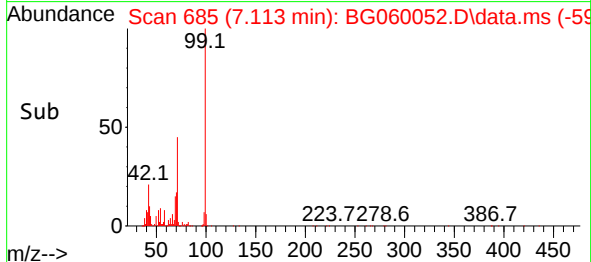
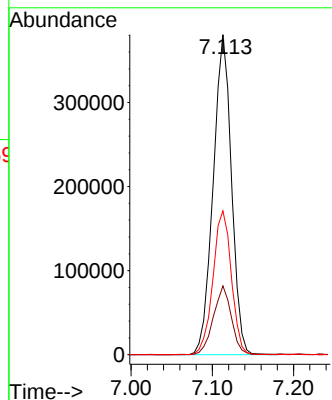
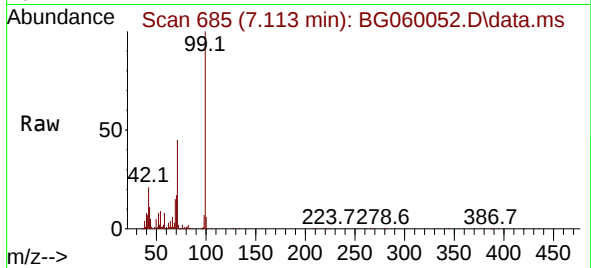




#7
Phenol-d6
Concen: 118.573 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

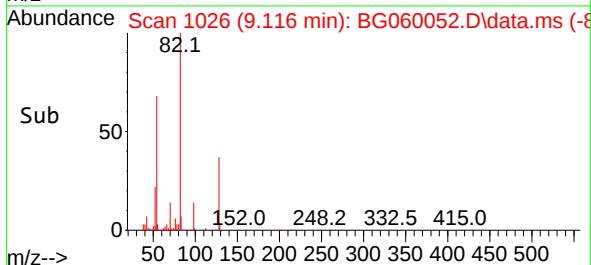
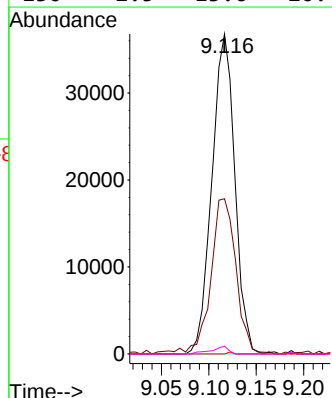
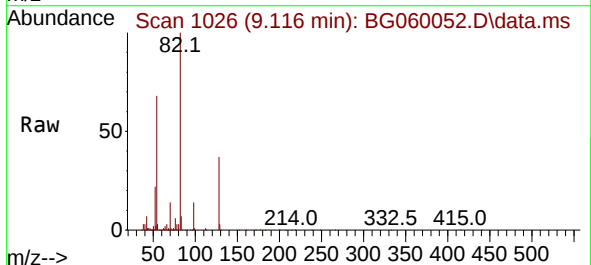
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

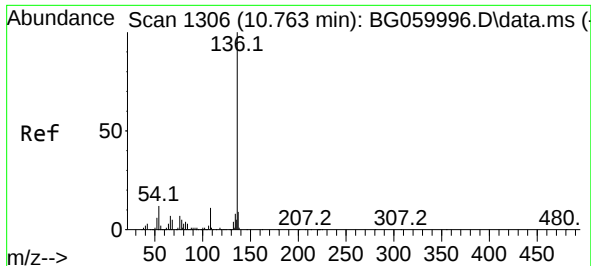
Tgt Ion: 99 Resp: 596236
Ion Ratio Lower Upper
99 100
42 21.5 16.2 24.4
71 45.0 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.102 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Tgt Ion: 70 Resp: 61971
Ion Ratio Lower Upper
70 100
42 48.5 48.6 73.0#
101 0.0 5.7 8.5#
130 2.5 13.6 20.4#

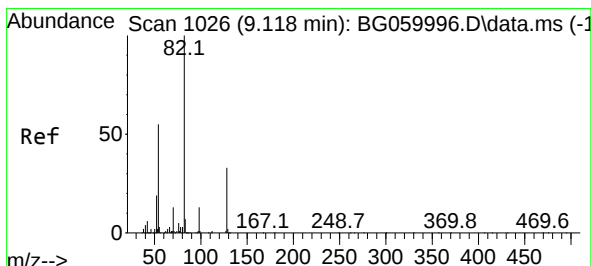
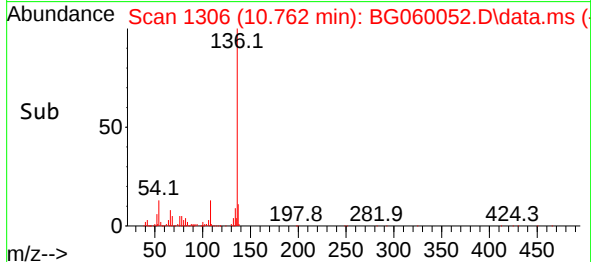
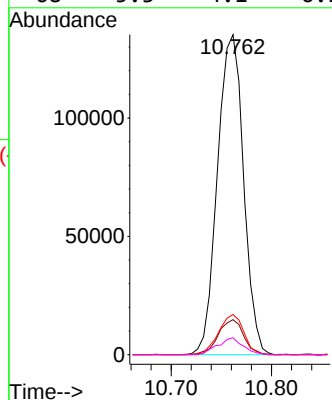
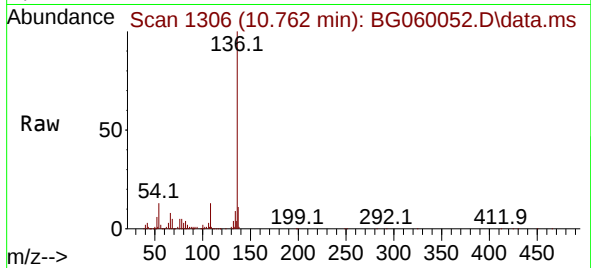




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

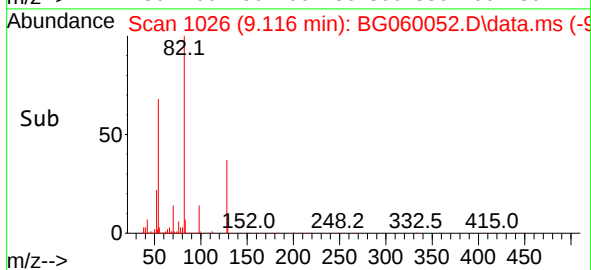
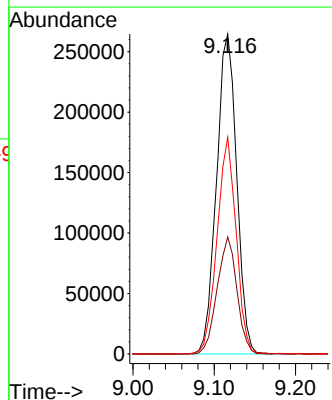
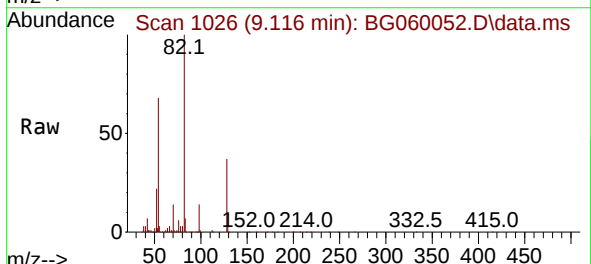
Instrument :
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ClientSampleId :
MW-1B-SOIL

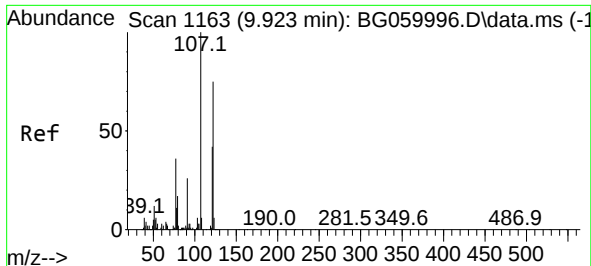
Tgt Ion:136	Resp:	243809
Ion Ratio	Lower	Upper
136	100	
137	11.0	7.3 10.9#
54	12.6	9.6 14.4
68	5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 85.201 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Tgt Ion: 82	Resp:	457468
Ion Ratio	Lower	Upper
82	100	
128	36.6	26.3 39.5
54	67.6	44.3 66.5#

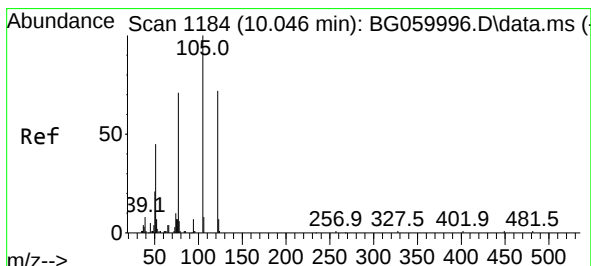
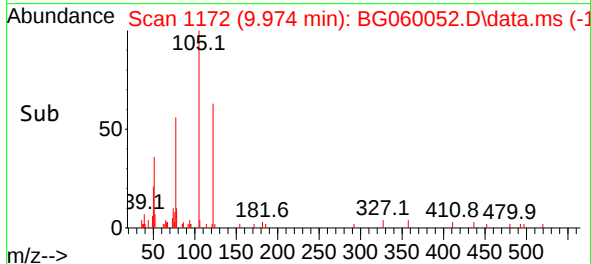
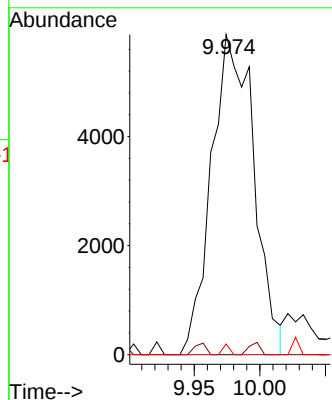
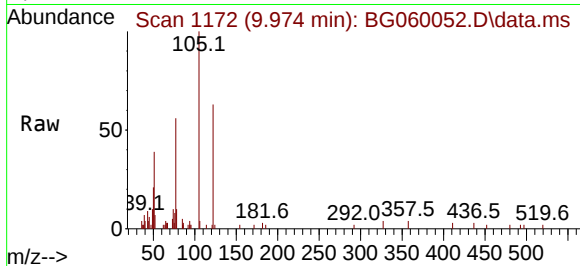




#27
2,4-Dimethylphenol
Concen: 4.798 ng
RT: 9.974 min Scan# 1172
Delta R.T. 0.051 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

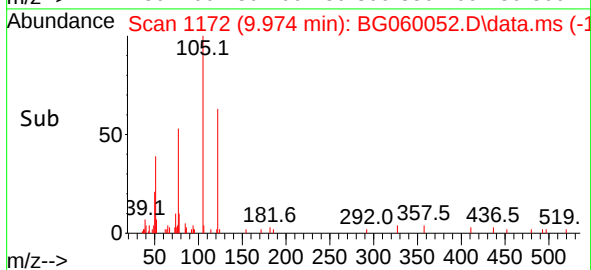
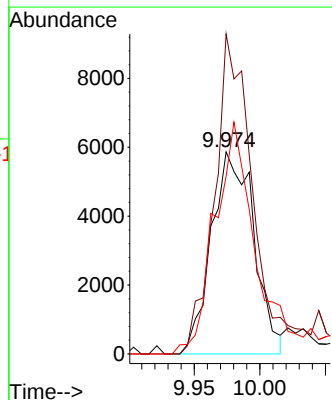
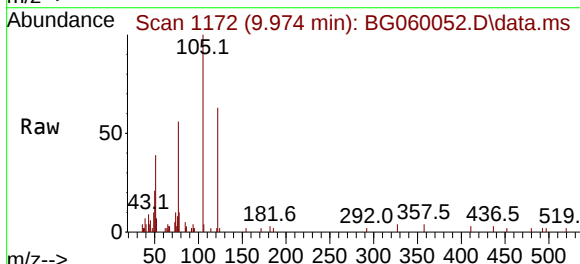
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

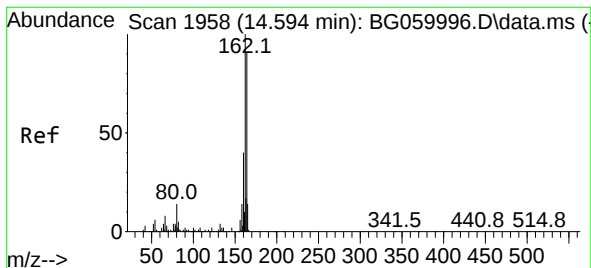
Tgt Ion:122 Resp: 13185
Ion Ratio Lower Upper
122 100
107 0.0 105.9 158.9#
121 3.3 44.5 66.7#



#32
Benzoic acid
Concen: 5.275 ng
RT: 9.974 min Scan# 1172
Delta R.T. -0.072 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Tgt Ion:122 Resp: 13185
Ion Ratio Lower Upper
122 100
105 158.3 106.2 146.2#
77 87.9 80.4 120.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.002 min

Lab File: BG060052.D

Acq: 16 Dec 2023 2:40

Instrument :

BNA_G

ClientSampleId :

MW-1B-SOIL

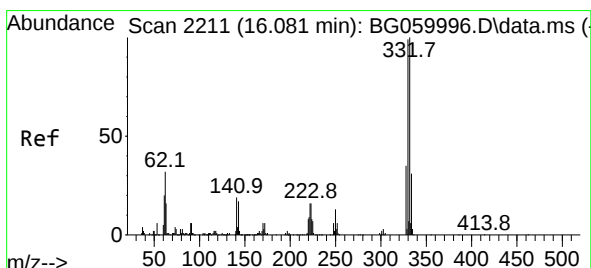
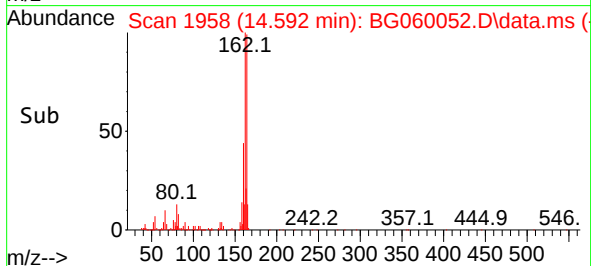
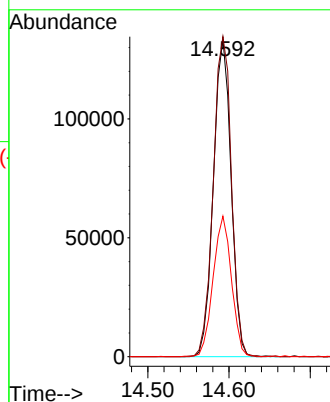
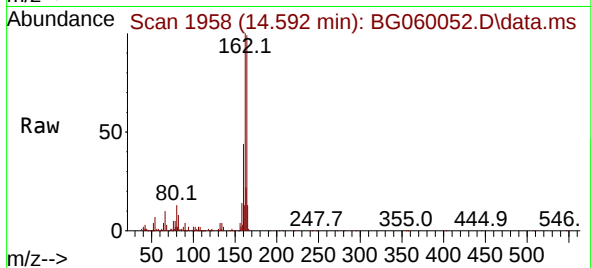
Tgt Ion:164 Resp: 201100

Ion Ratio Lower Upper

164 100

162 100.8 88.1 132.1

160 44.2 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 128.998 ng

RT: 16.079 min Scan# 2211

Delta R.T. -0.002 min

Lab File: BG060052.D

Acq: 16 Dec 2023 2:40

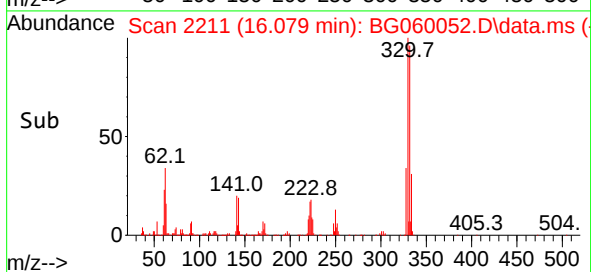
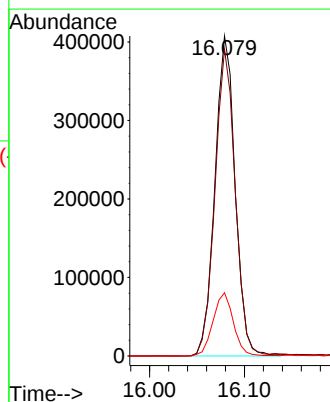
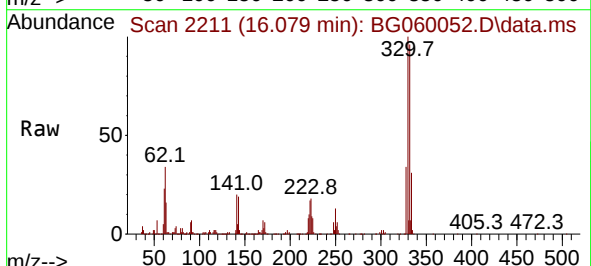
Tgt Ion:330 Resp: 604556

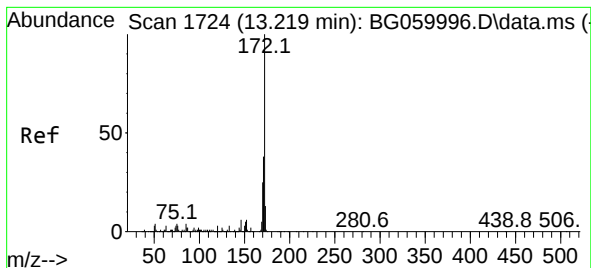
Ion Ratio Lower Upper

330 100

332 95.7 76.2 114.4

141 19.9 14.3 21.5

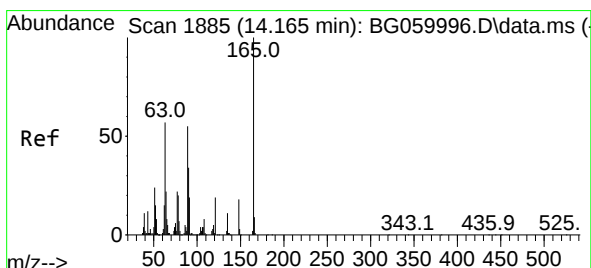
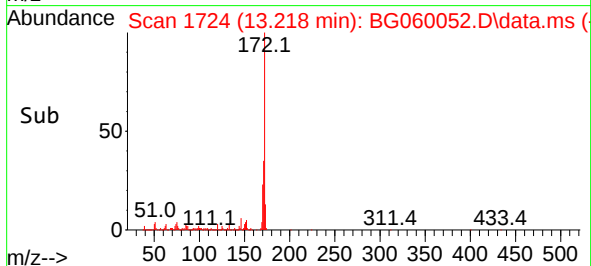
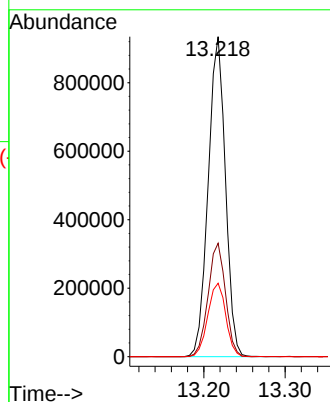
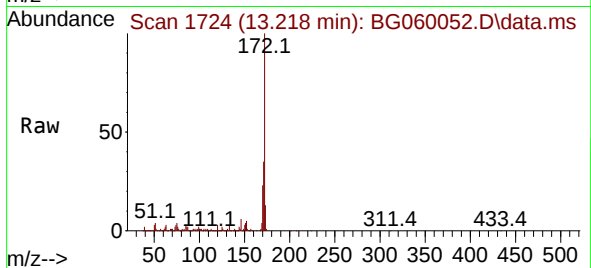




#45
2-Fluorobiphenyl
Concen: 83.636 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

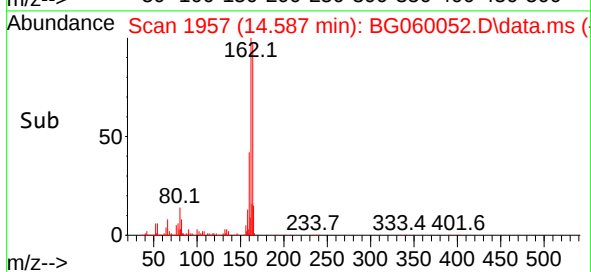
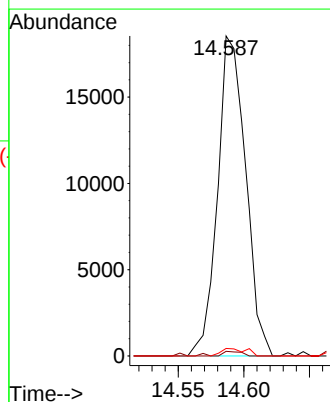
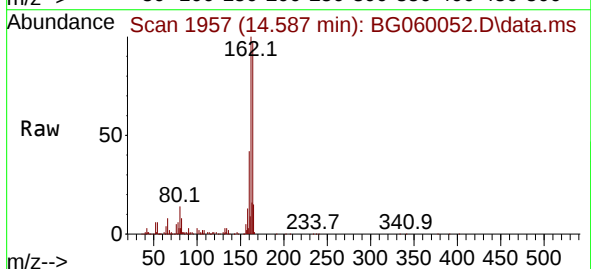
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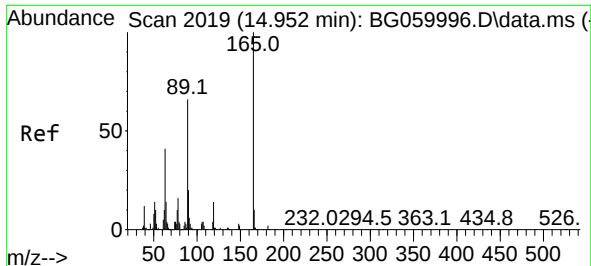
Tgt Ion:172 Resp: 1374237
Ion Ratio Lower Upper
172 100
171 35.5 30.1 45.1
170 23.0 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.508 ng
RT: 14.587 min Scan# 1957
Delta R.T. 0.421 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Tgt Ion:165 Resp: 27511
Ion Ratio Lower Upper
165 100
63 1.5 48.2 72.2#
89 2.3 44.4 66.6#

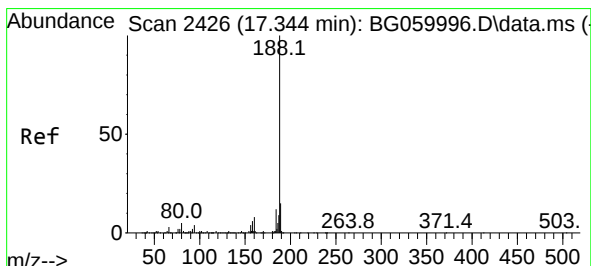
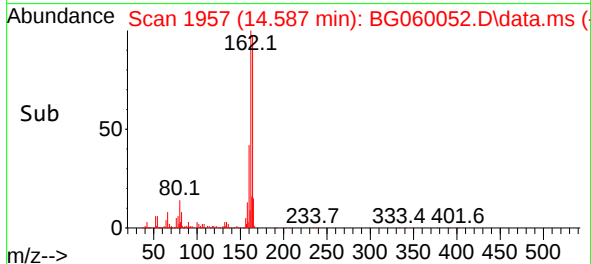
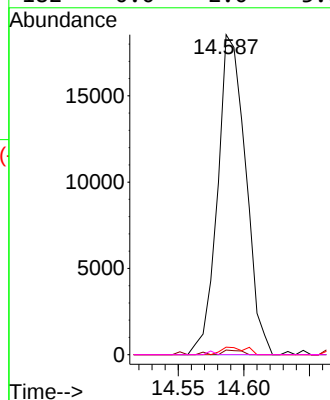
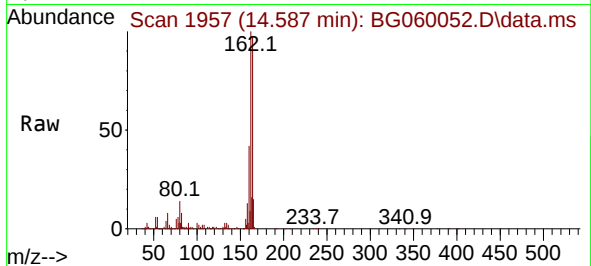




#57
2,4-Dinitrotoluene
Concen: 6.052 ng
RT: 14.587 min Scan# 1957
Delta R.T. -0.366 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

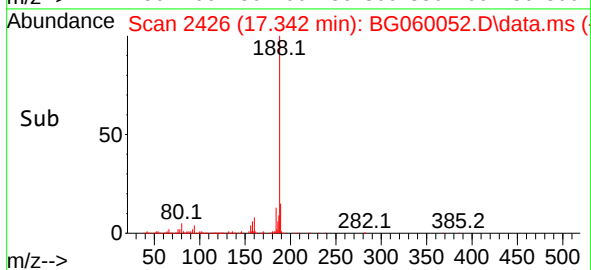
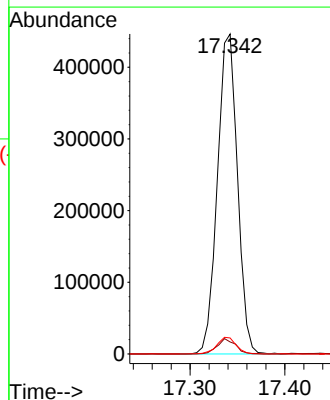
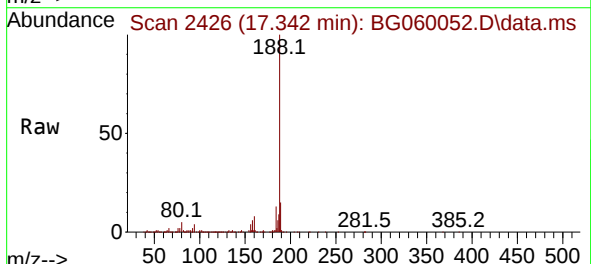
Instrument :
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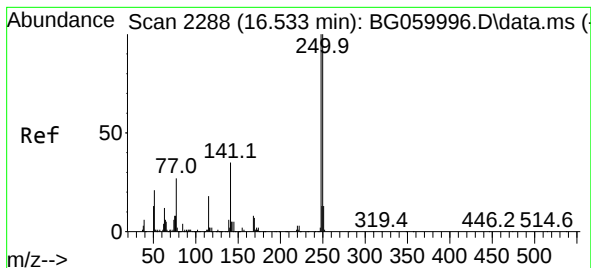
Tgt Ion:165 Resp: 27511
Ion Ratio Lower Upper
165 100
63 1.5 32.8 49.2#
89 2.3 53.0 79.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Tgt Ion:188 Resp: 656225
Ion Ratio Lower Upper
188 100
94 3.8 3.0 4.6
80 5.0 4.0 6.0





#67

4-Bromophenyl-phenylether

Concen: 3.808 ng

RT: 16.079 min Scan# 21

Delta R.T. -0.454 min

Lab File: BG060052.D

Acq: 16 Dec 2023 2:40

Instrument :

BNA_G

ClientSampleId :

MW-1B-SOIL

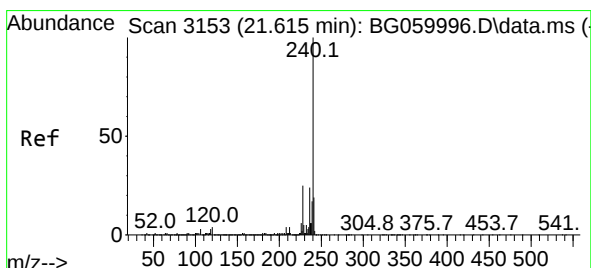
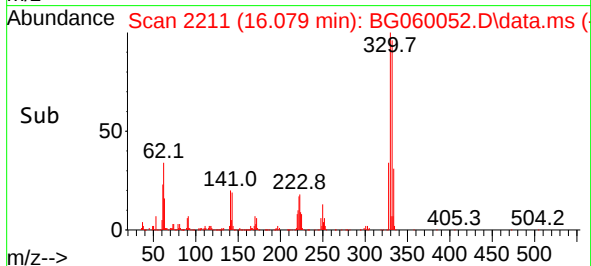
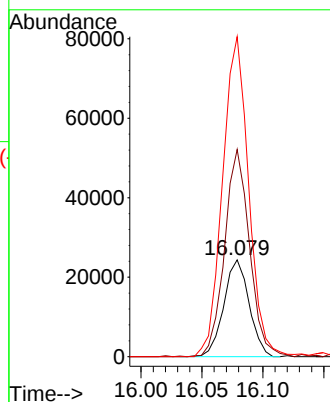
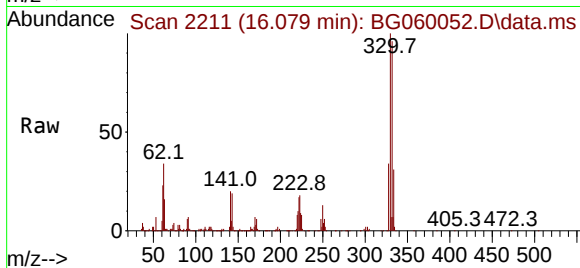
Tgt Ion:248 Resp: 35254

Ion Ratio Lower Upper

248 100

250 214.0 79.9 119.9#

141 330.4 28.3 42.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.608 min Scan# 3152

Delta R.T. -0.008 min

Lab File: BG060052.D

Acq: 16 Dec 2023 2:40

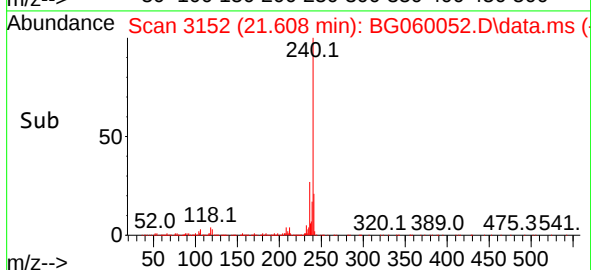
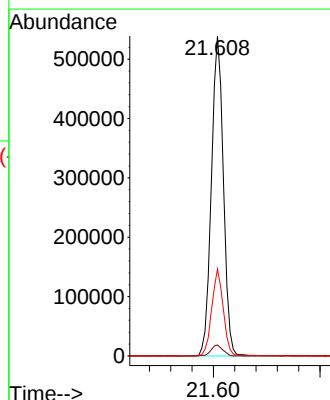
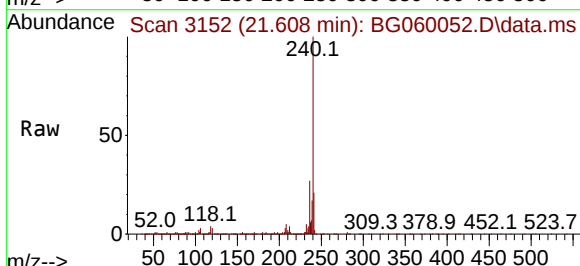
Tgt Ion:240 Resp: 844222

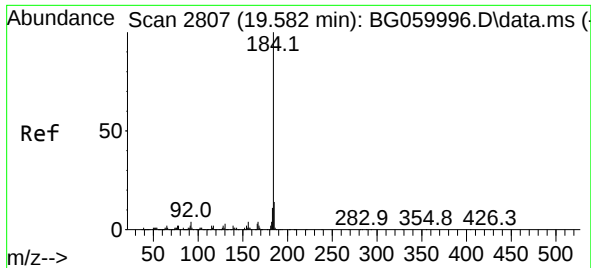
Ion Ratio Lower Upper

240 100

120 3.4 2.9 4.3

236 27.2 19.4 29.2

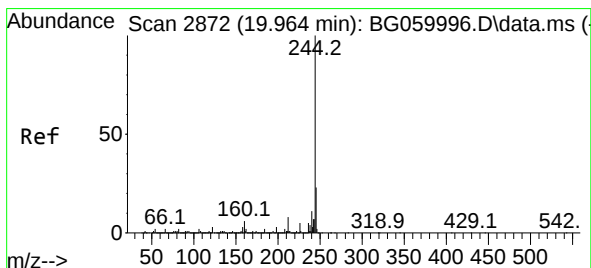
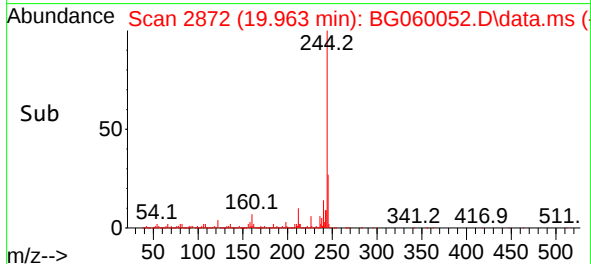
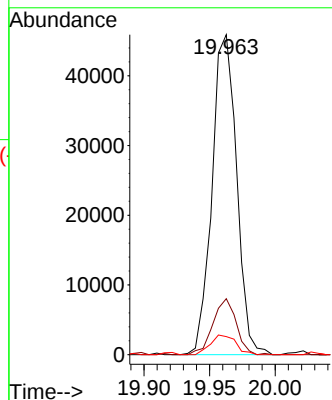
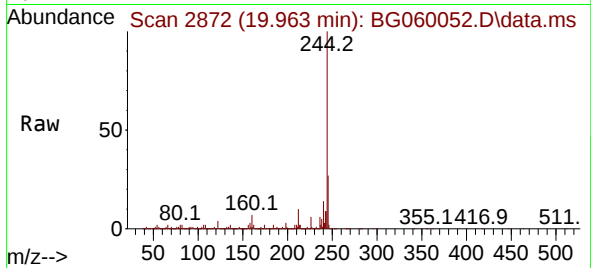




#77
Benzidine
Concen: 5.512 ng
RT: 19.963 min Scan# 2872
Delta R.T. 0.380 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

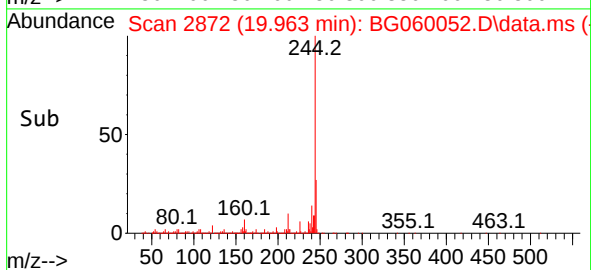
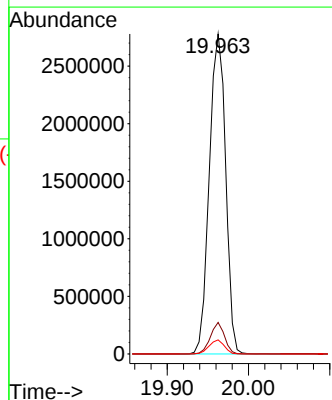
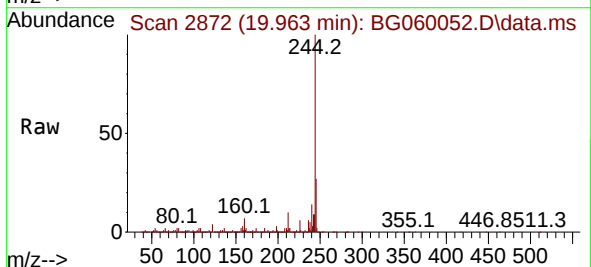
Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

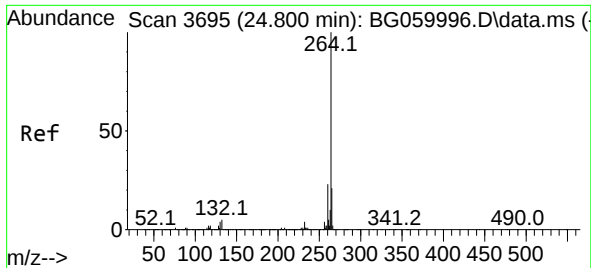
Tgt Ion:184 Resp: 59768
Ion Ratio Lower Upper
184 100
185 17.5 11.1 16.7#
183 5.6 9.0 13.4#



#79
Terphenyl-d14
Concen: 83.766 ng
RT: 19.963 min Scan# 2872
Delta R.T. -0.002 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Tgt Ion:244 Resp: 3873393
Ion Ratio Lower Upper
244 100
212 9.8 6.8 10.2
122 4.4 2.6 3.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 30
Delta R.T. -0.002 min
Lab File: BG060052.D
Acq: 16 Dec 2023 2:40

Instrument :
BNA_G
ClientSampleId :
MW-1B-SOIL

Tgt Ion:264 Resp: 938430

Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.5	27.7
265	22.1	17.3	25.9

