

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059826.D
 Acq On : 22 Nov 2023 20:23
 Operator : MA/JU
 Sample : 05445-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3-1115

Quant Time: Nov 23 01:29:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

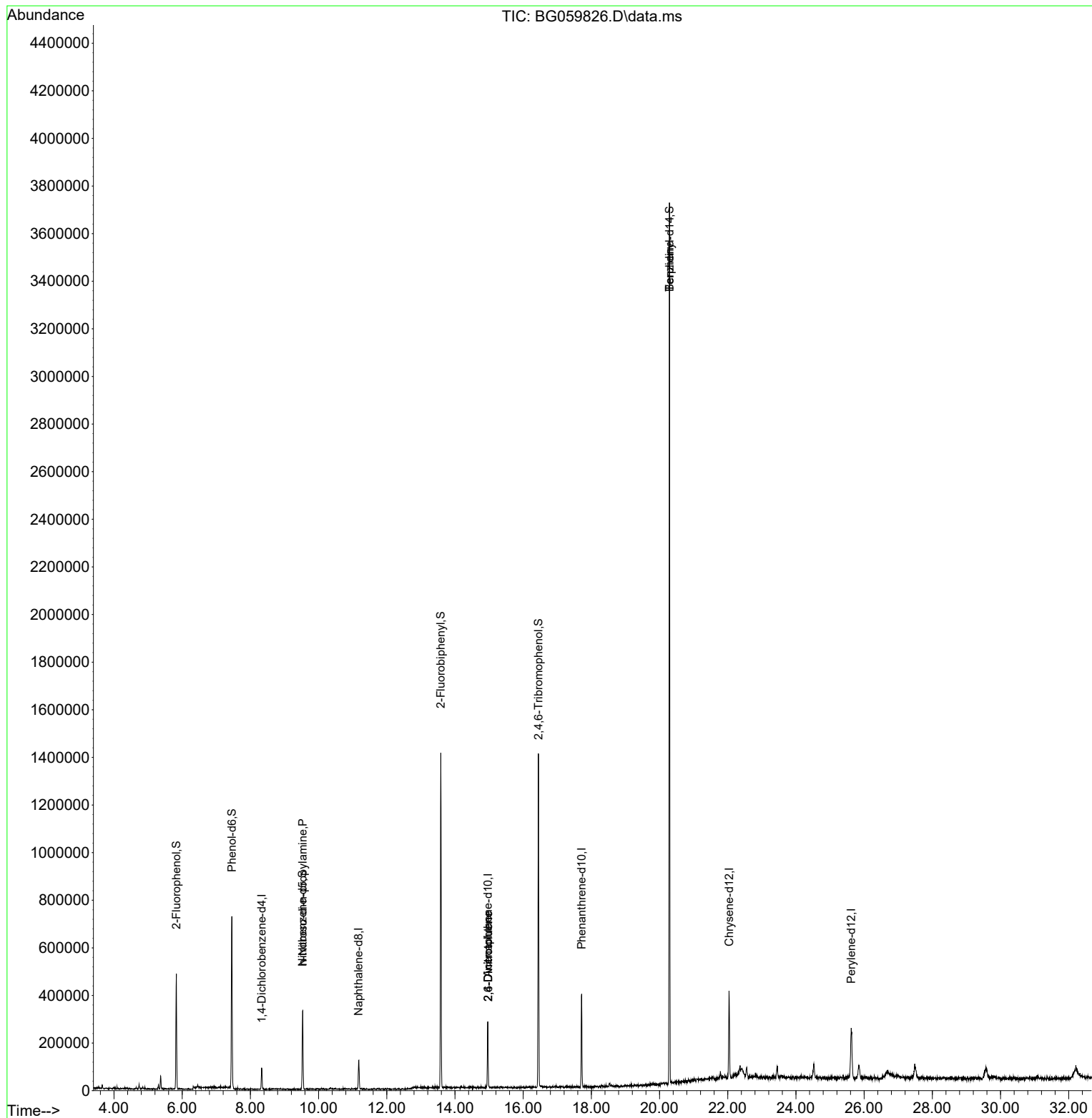
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	18891	20.000	ng	-0.01
21) Naphthalene-d8	11.175	136	87344	20.000	ng	#-0.02
39) Acenaphthene-d10	14.965	164	86273	20.000	ng	# 0.00
64) Phenanthrene-d10	17.715	188	213655	20.000	ng	# 0.00
76) Chrysene-d12	22.039	240	215370	20.000	ng	-0.01
86) Perylene-d12	25.623	264	242117	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	158371	141.104	ng	0.00
7) Phenol-d6	7.456	99	323841	194.705	ng	0.00
23) Nitrobenzene-d5	9.530	82	203149	88.829	ng	-0.01
42) 2,4,6-Tribromophenol	16.451	330	184834	188.823	ng	0.00
45) 2-Fluorobiphenyl	13.584	172	583295	91.007	ng	-0.01
79) Terphenyl-d14	20.294	244	1569715	107.596	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.536	70	33859	25.851	ng	# 75
51) 2,6-Dinitrotoluene	14.971	165	11122	8.769	ng	# 1
57) 2,4-Dinitrotoluene	14.971	165	11122	5.702	ng	# 1
77) Benzidine	20.294	184	47128	9.650	ng	# 92

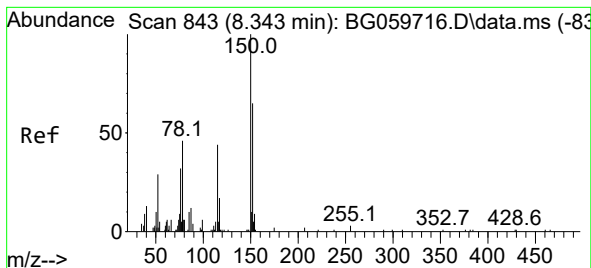
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

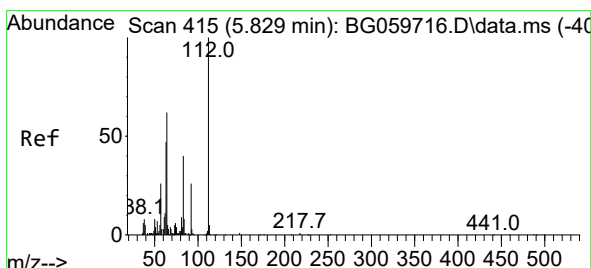
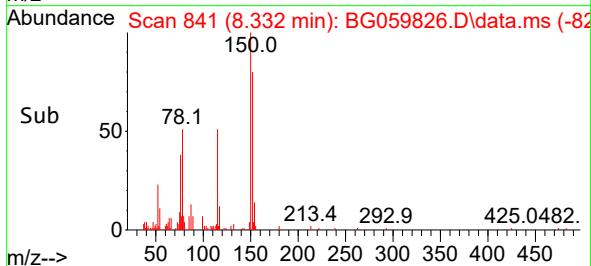
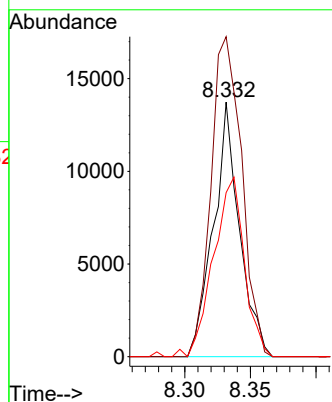
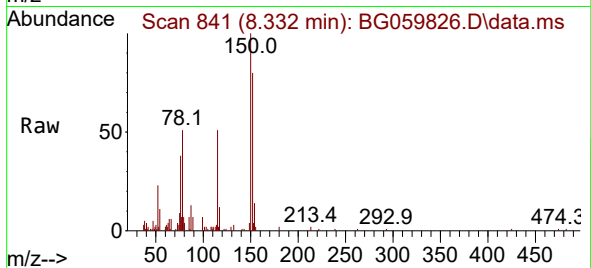




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.332 min Scan# 84
 Delta R.T. -0.011 min
 Lab File: BG059826.D
 Acq: 22 Nov 2023 20:23

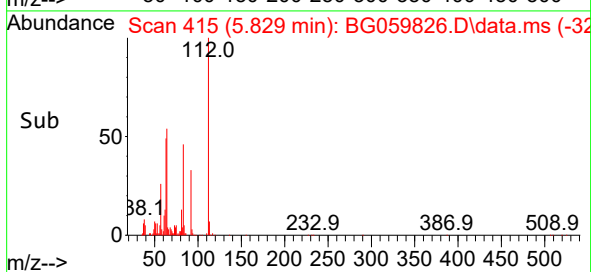
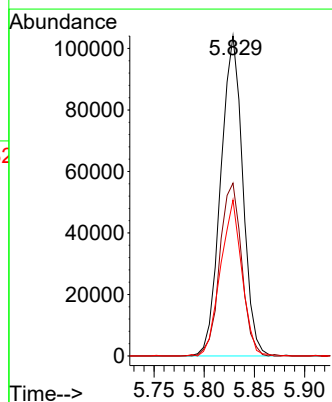
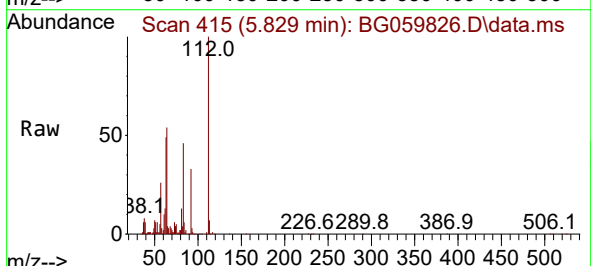
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3-1115

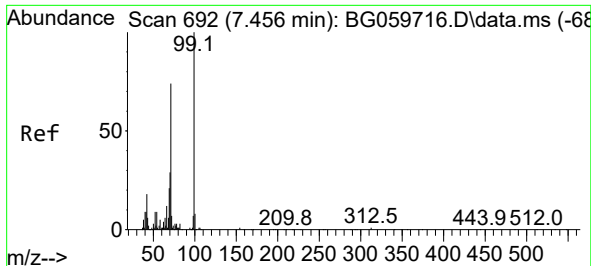
Tgt Ion:152 Resp: 18891
 Ion Ratio Lower Upper
 152 100
 150 125.7 122.2 183.4
 115 64.4 54.2 81.4



#5
 2-Fluorophenol
 Concen: 141.104 ng
 RT: 5.829 min Scan# 415
 Delta R.T. -0.000 min
 Lab File: BG059826.D
 Acq: 22 Nov 2023 20:23

Tgt Ion:112 Resp: 158371
 Ion Ratio Lower Upper
 112 100
 64 54.0 49.5 74.3
 63 48.8 37.4 56.2

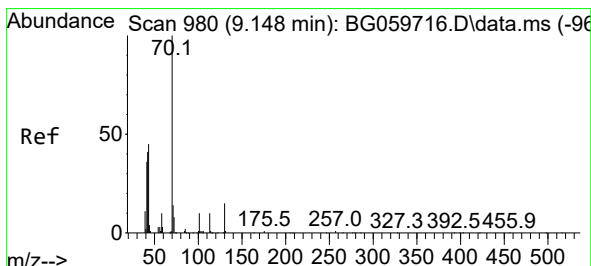
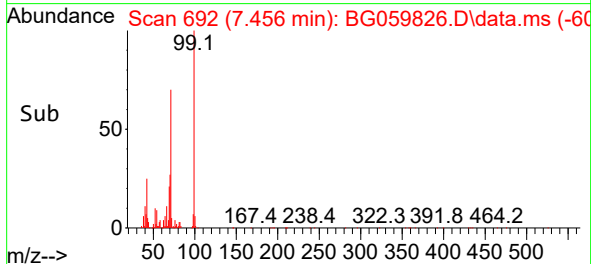
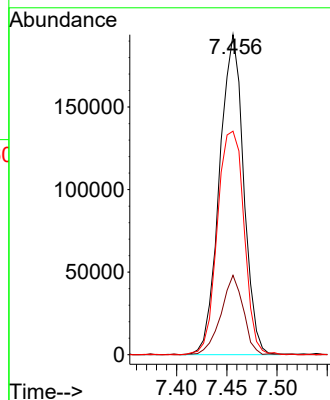
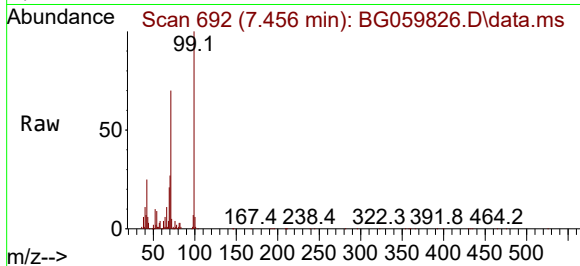




#7
Phenol-d6
Concen: 194.705 ng
RT: 7.456 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG059826.D
Acq: 22 Nov 2023 20:23

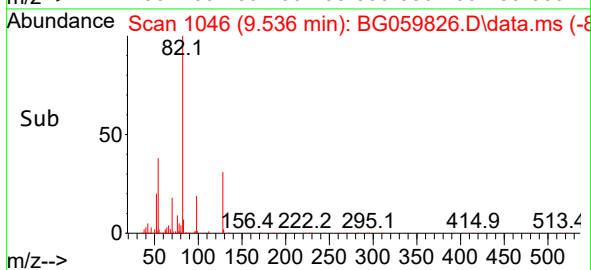
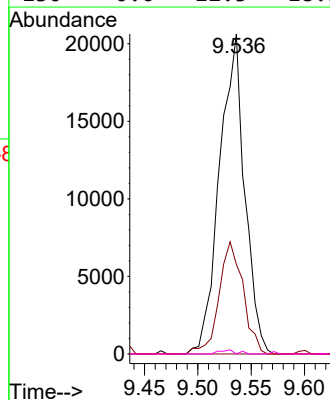
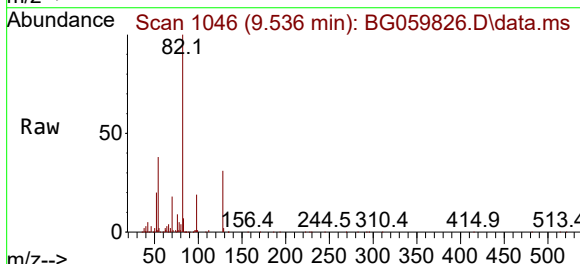
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

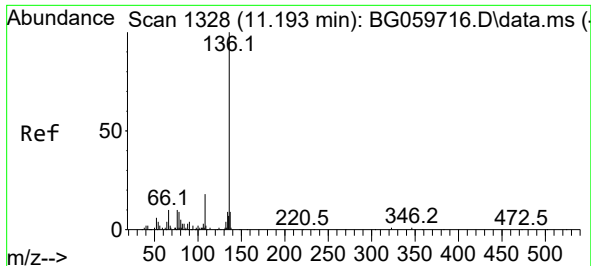
Tgt Ion: 99 Resp: 323841
Ion Ratio Lower Upper
99 100
42 24.8 14.3 21.5#
71 69.9 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 25.851 ng
RT: 9.536 min Scan# 1046
Delta R.T. 0.388 min
Lab File: BG059826.D
Acq: 22 Nov 2023 20:23

Tgt Ion: 70 Resp: 33859
Ion Ratio Lower Upper
70 100
42 28.0 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

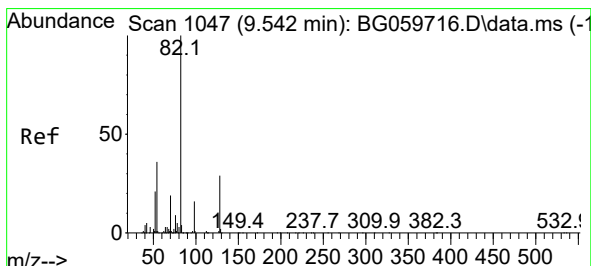
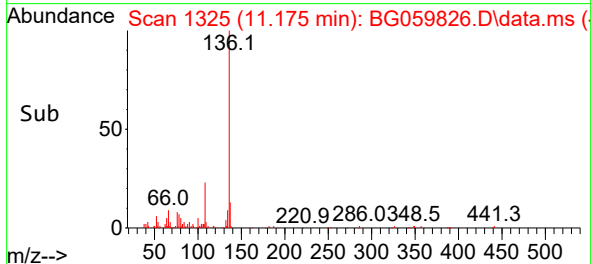
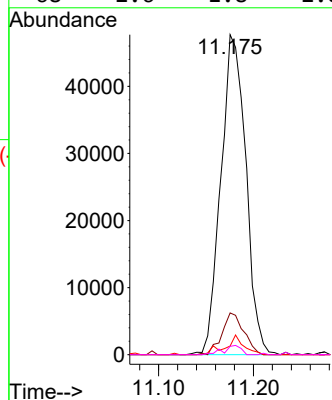
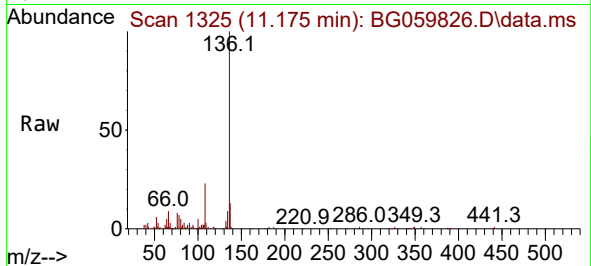




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG059826.D
Acq: 22 Nov 2023 20:23

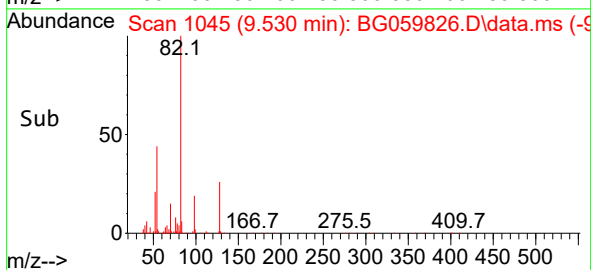
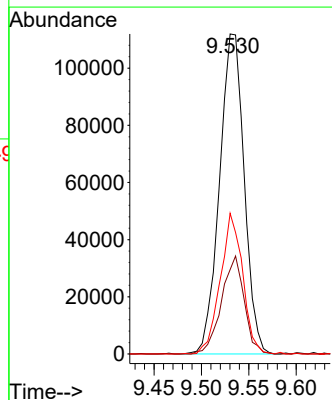
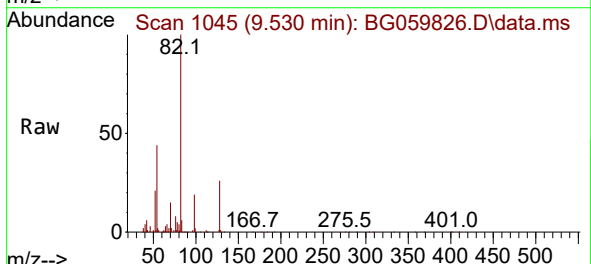
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

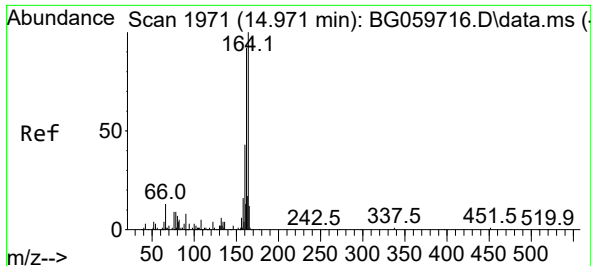
Tgt Ion:136	Resp:	87344
Ion Ratio	Lower	Upper
136	100	
137	13.1	7.4 11.0#
54	2.7	3.1 4.7#
68	2.6	1.8 2.8



#23
Nitrobenzene-d5
Concen: 88.829 ng
RT: 9.530 min Scan# 1045
Delta R.T. -0.012 min
Lab File: BG059826.D
Acq: 22 Nov 2023 20:23

Tgt Ion: 82	Resp:	203149
Ion Ratio	Lower	Upper
82	100	
128	26.4	23.0 34.6
54	43.9	28.7 43.1#

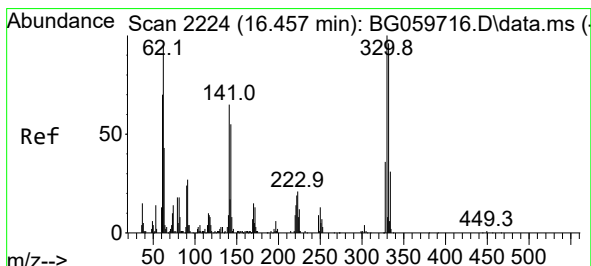
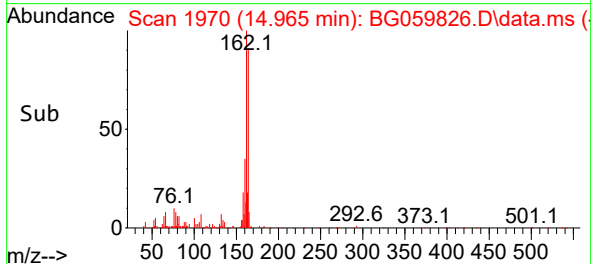
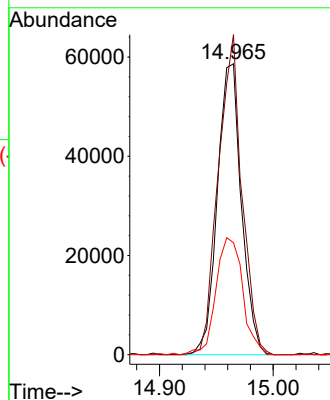
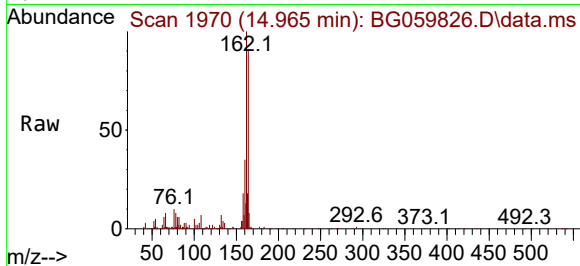




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BG059826.D
Acq: 22 Nov 2023 20:23

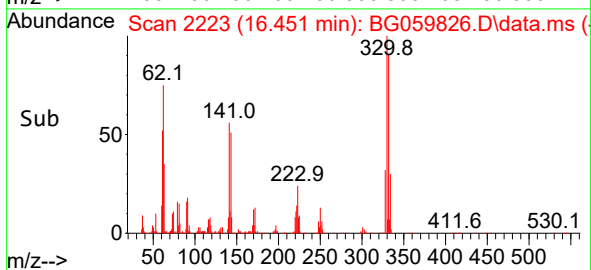
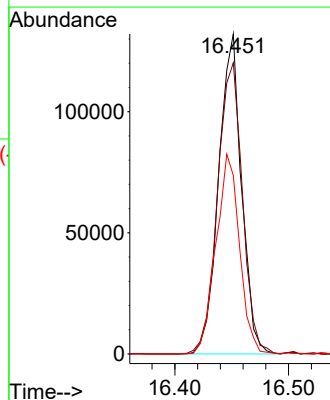
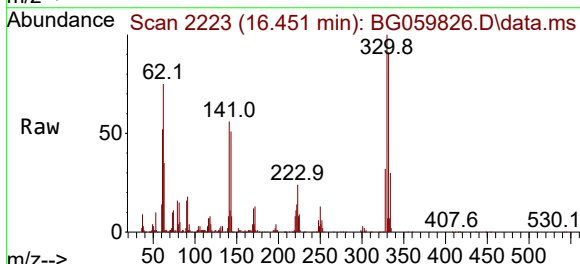
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

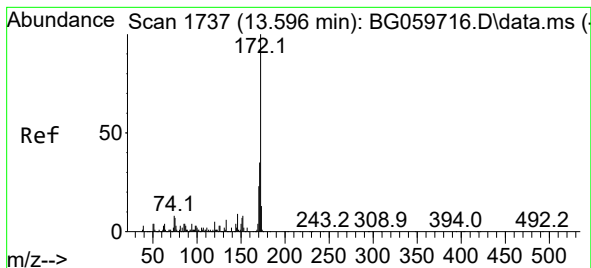
Tgt Ion:164 Resp: 86273
Ion Ratio Lower Upper
164 100
162 110.0 73.3 109.9#
160 38.5 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 188.823 ng
RT: 16.451 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BG059826.D
Acq: 22 Nov 2023 20:23

Tgt Ion:330 Resp: 184834
Ion Ratio Lower Upper
330 100
332 99.0 73.3 109.9
141 64.5 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 91.007 ng

RT: 13.584 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

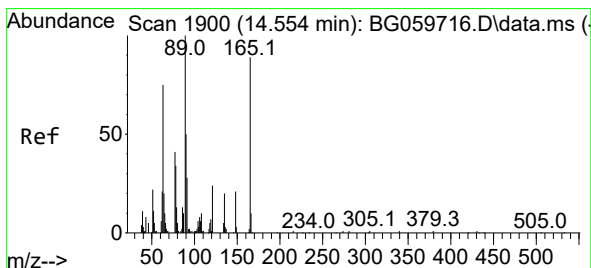
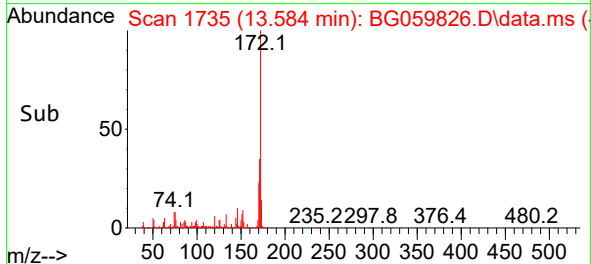
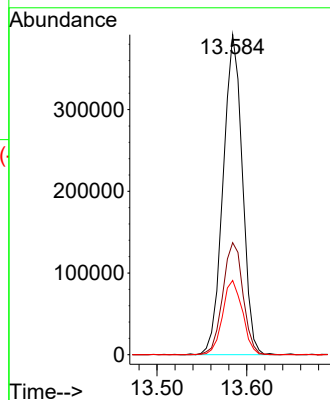
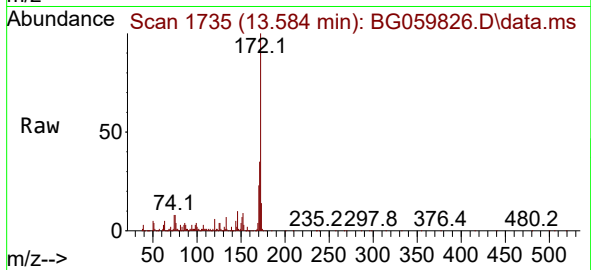
Tgt Ion:172 Resp: 583295

Ion Ratio Lower Upper

172 100

171 35.0 27.7 41.5

170 23.2 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 8.769 ng

RT: 14.971 min Scan# 1971

Delta R.T. 0.417 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

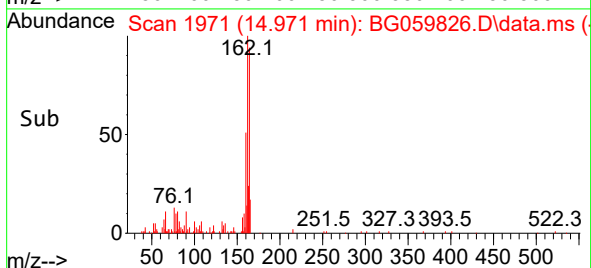
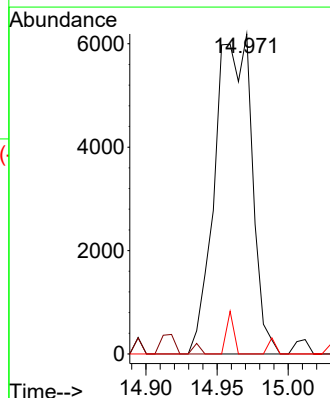
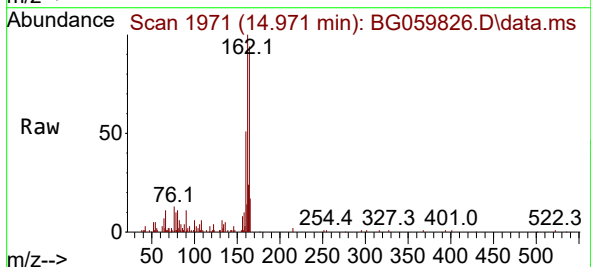
Tgt Ion:165 Resp: 11122

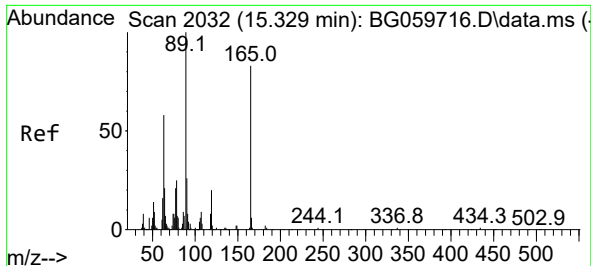
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 0.0 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.702 ng

RT: 14.971 min Scan# 1971

Delta R.T. -0.358 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

Tgt Ion:165 Resp: 11122

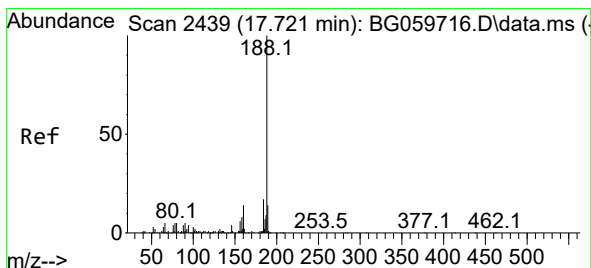
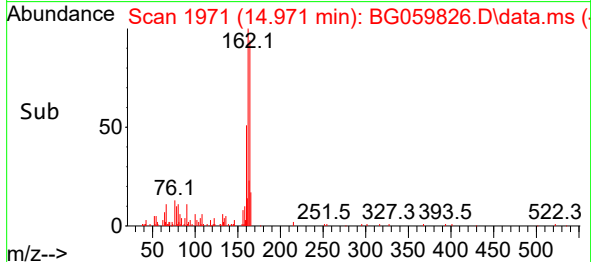
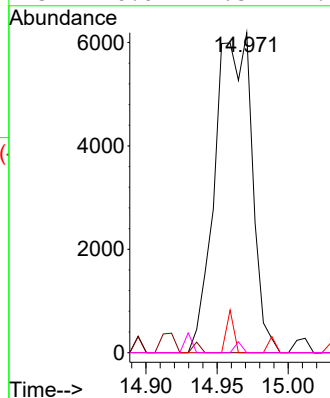
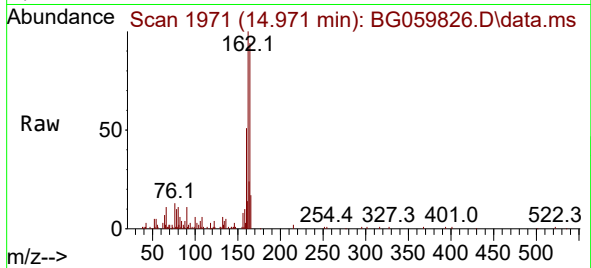
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 0.0 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.715 min Scan# 2438

Delta R.T. -0.006 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

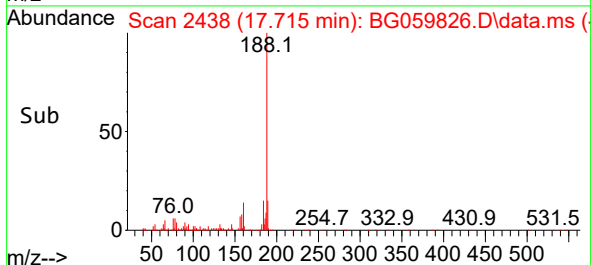
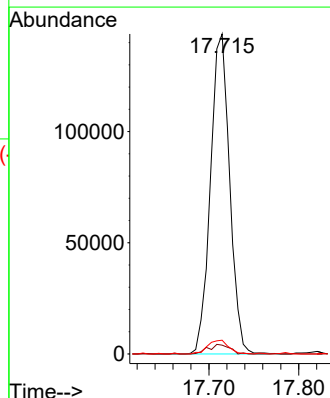
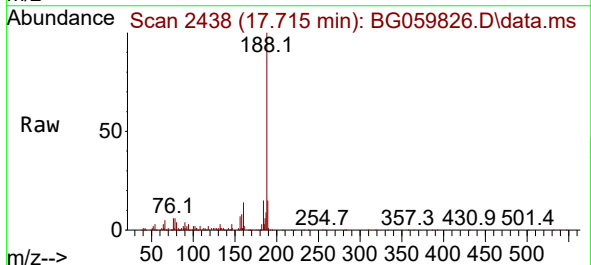
Tgt Ion:188 Resp: 213655

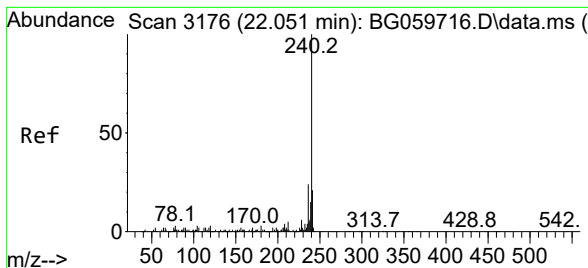
Ion Ratio Lower Upper

188 100

94 2.8 3.0 4.4#

80 4.3 4.2 6.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.039 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

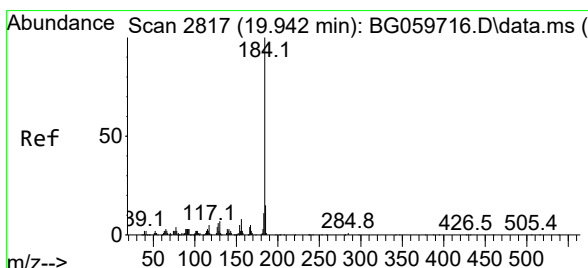
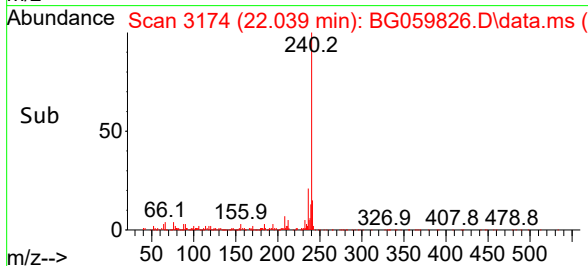
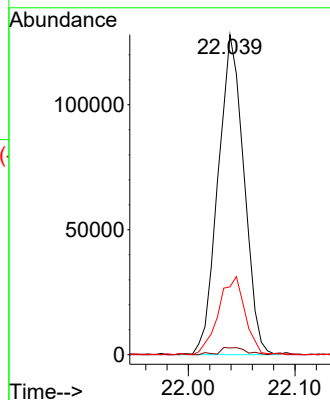
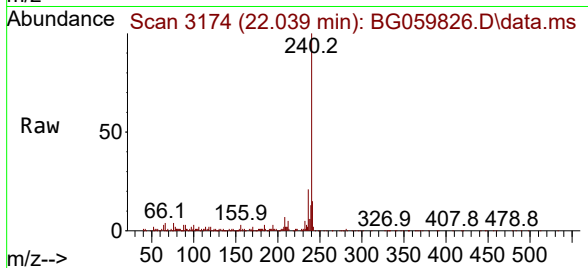
Tgt Ion:240 Resp: 215370

Ion Ratio Lower Upper

240 100

120 2.4 2.2 3.2

236 21.2 19.4 29.2



#77

Benzidine

Concen: 9.650 ng

RT: 20.294 min Scan# 2877

Delta R.T. 0.352 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

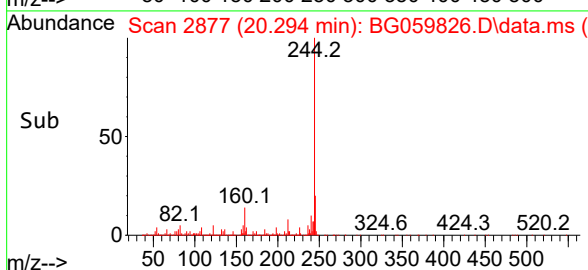
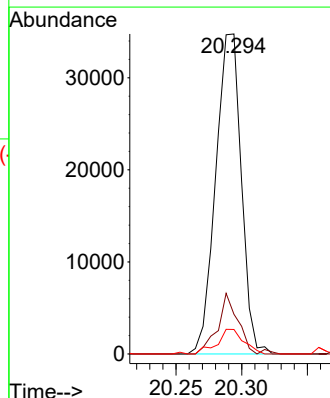
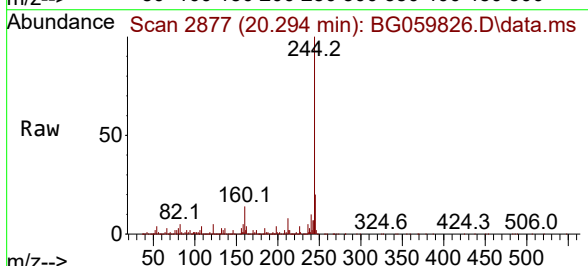
Tgt Ion:184 Resp: 47128

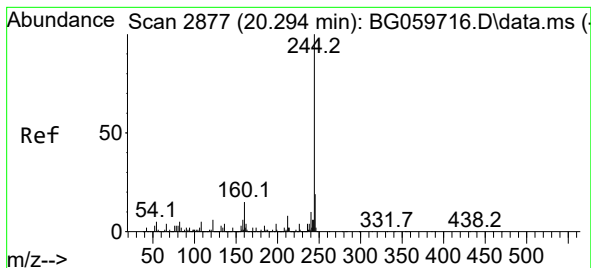
Ion Ratio Lower Upper

184 100

185 12.4 12.2 18.2

183 7.7 8.8 13.2#





#79

Terphenyl-d14

Concen: 107.596 ng

RT: 20.294 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

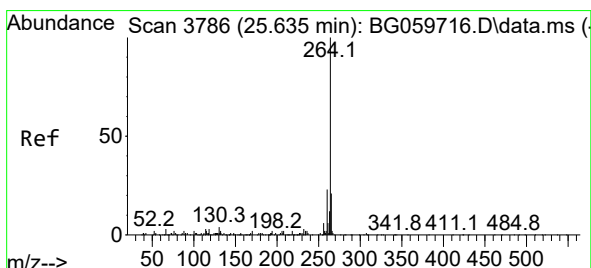
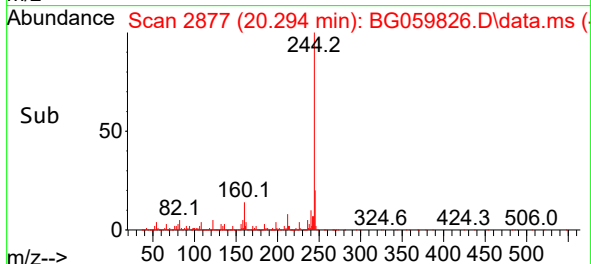
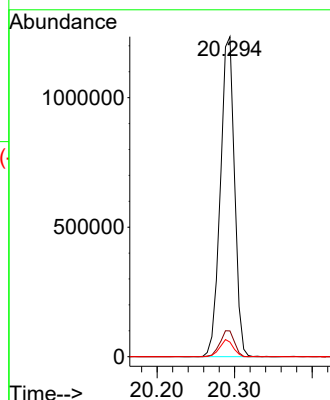
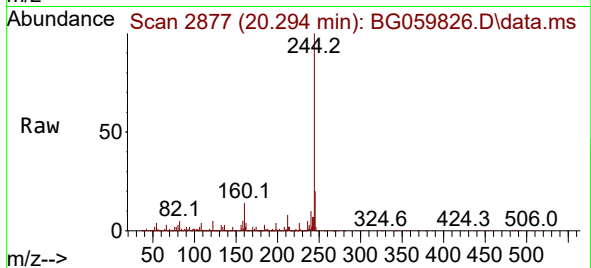
Tgt Ion:244 Resp: 1569715

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

122 4.6 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.623 min Scan# 3784

Delta R.T. -0.012 min

Lab File: BG059826.D

Acq: 22 Nov 2023 20:23

Tgt Ion:264 Resp: 242117

Ion Ratio Lower Upper

264 100

260 21.4 18.5 27.7

265 17.9 17.0 25.6

