

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059824.D
 Acq On : 22 Nov 2023 19:02
 Operator : MA/JU
 Sample : 05445-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Quant Time: Nov 23 01:29:33 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)

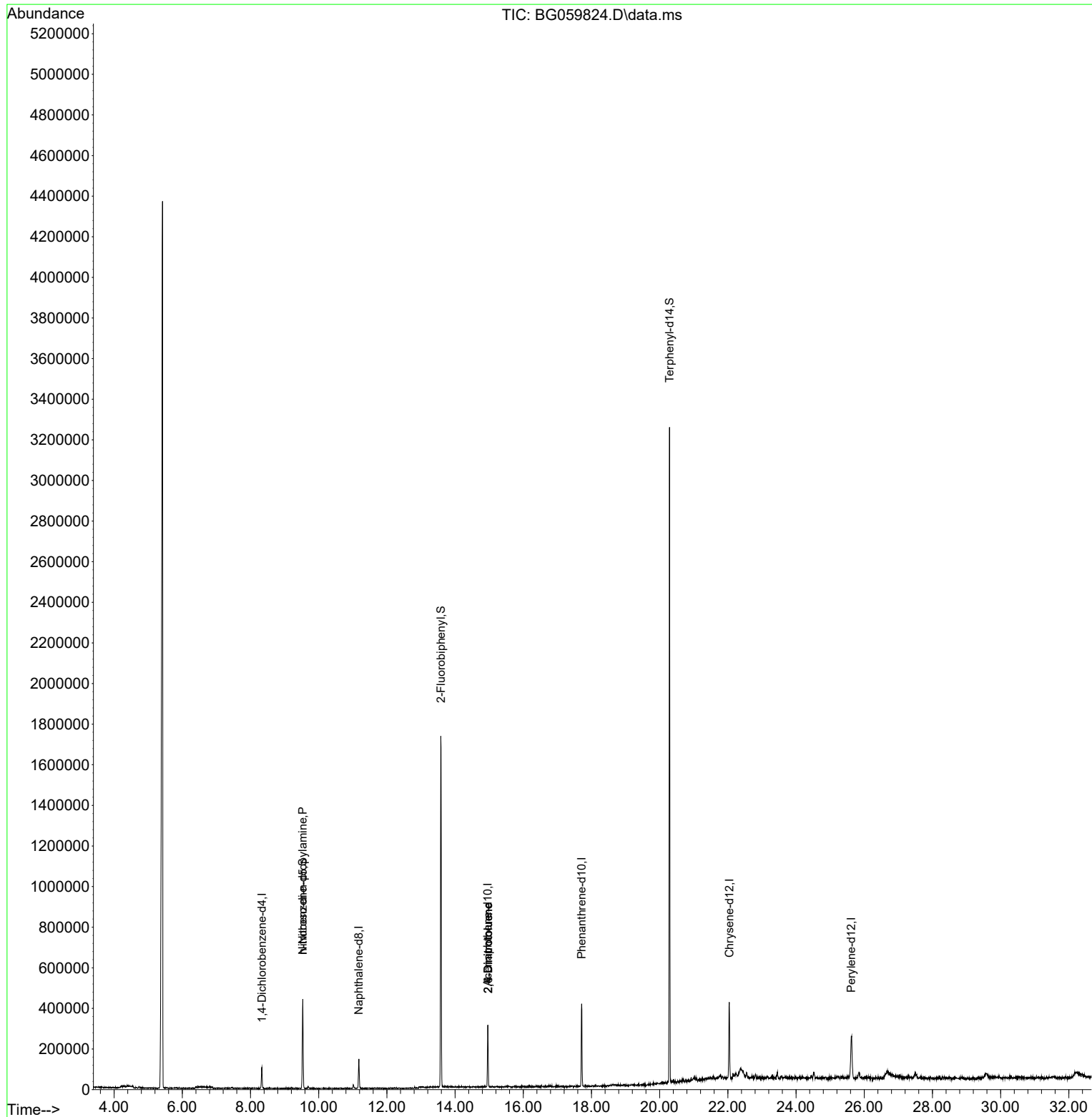
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	21893	20.000	ng	# 0.00
21) Naphthalene-d8	11.179	136	95385	20.000	ng	-0.01
39) Acenaphthene-d10	14.957	164	88929	20.000	ng	-0.01
64) Phenanthrene-d10	17.713	188	234314	20.000	ng	# 0.00
76) Chrysene-d12	22.043	240	226747	20.000	ng	0.00
86) Perylene-d12	25.621	264	249895	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	138	0.106	ng	-0.01
7) Phenol-d6	7.448	99	2220	1.152	ng	0.00
23) Nitrobenzene-d5	9.534	82	266261	106.610	ng	0.00
42) 2,4,6-Tribromophenol	16.708	330	144	0.143	ng	0.25
45) 2-Fluorobiphenyl	13.588	172	753763	114.091	ng	0.00
79) Terphenyl-d14	20.292	244	1315573	85.651	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.534	70	43417	28.603	ng	# 85
51) 2,6-Dinitrotoluene	14.969	165	12013	9.189	ng	# 1
57) 2,4-Dinitrotoluene	14.969	165	12013	5.975	ng	# 3

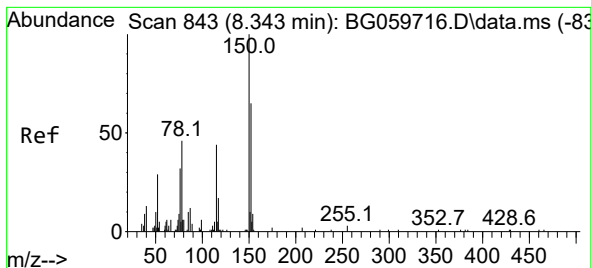
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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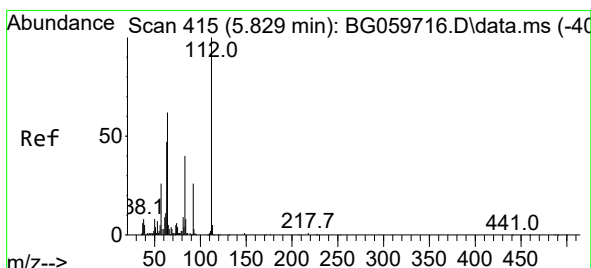
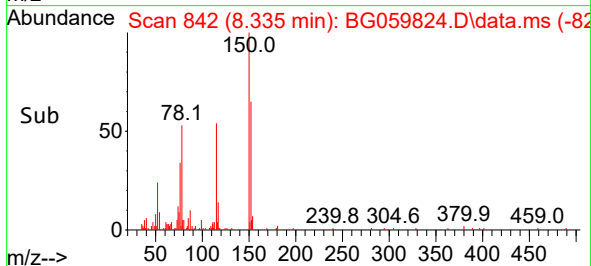
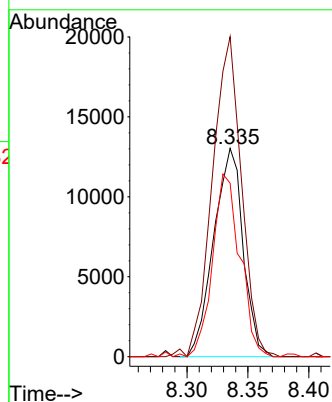
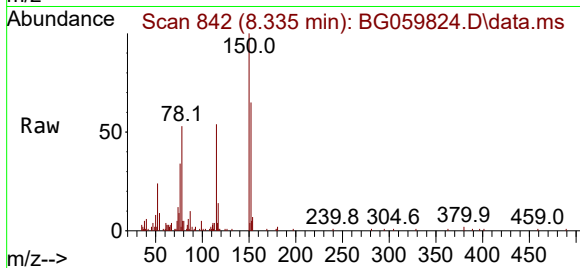




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

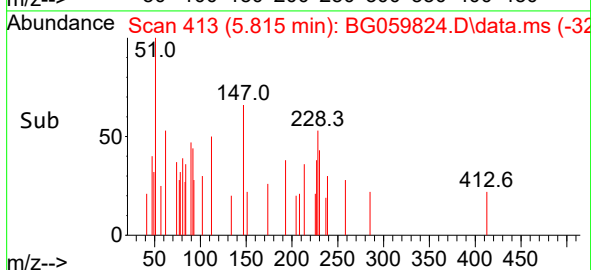
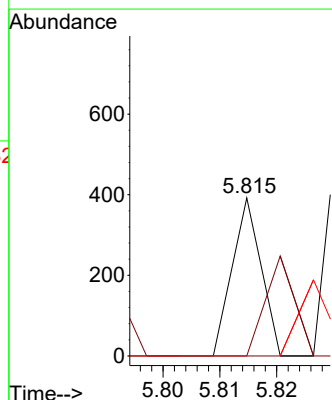
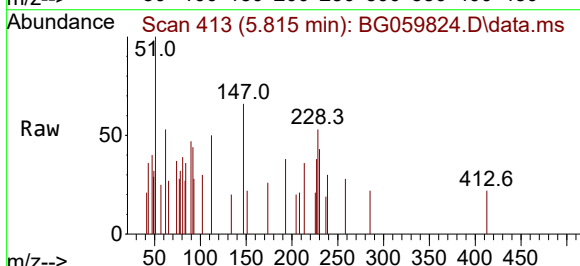
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

Tgt Ion:152 Resp: 21893
Ion Ratio Lower Upper
152 100
150 153.7 122.2 183.4
115 83.3 54.2 81.4#



#5
2-Fluorophenol
Concen: 0.106 ng
RT: 5.815 min Scan# 413
Delta R.T. -0.014 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

Tgt Ion:112 Resp: 138
Ion Ratio Lower Upper
112 100
64 0.0 49.5 74.3#
63 0.0 37.4 56.2#

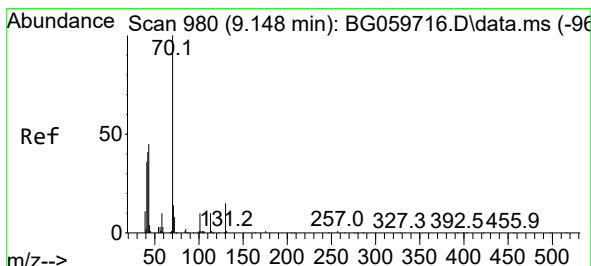
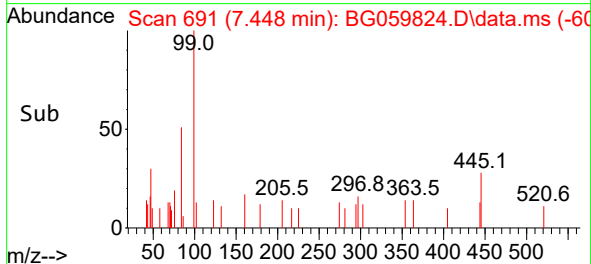
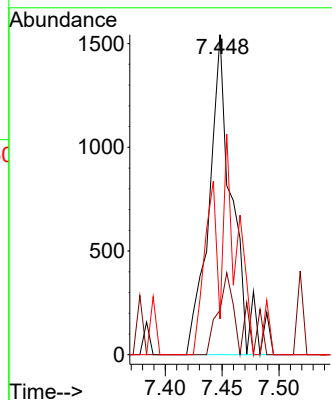
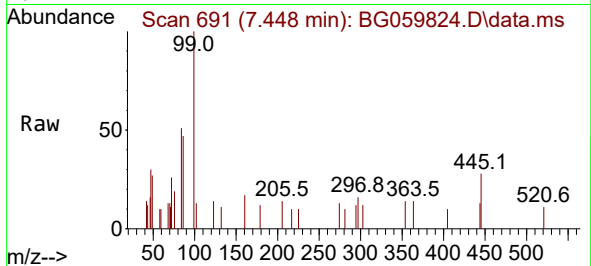




#7
Phenol-d6
Concen: 1.152 ng
RT: 7.448 min Scan# 691
Delta R.T. -0.008 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

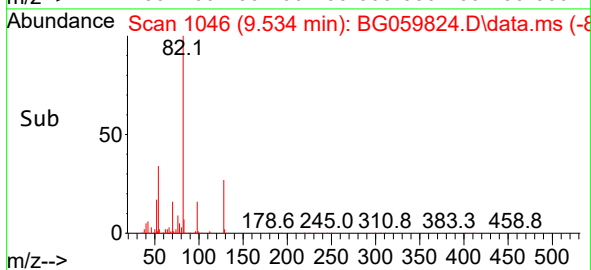
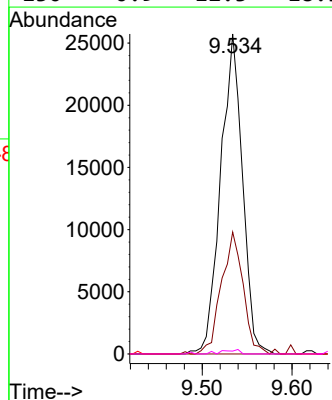
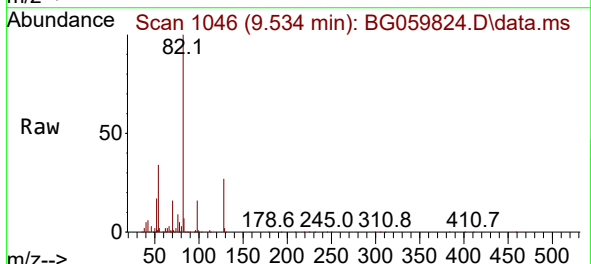
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

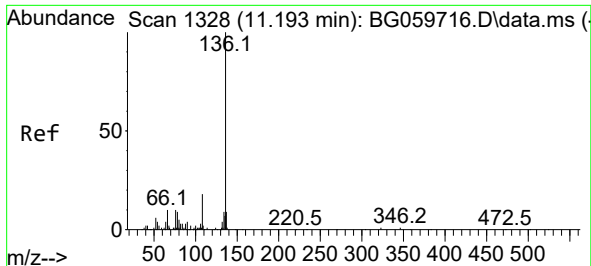
Tgt Ion: 99 Resp: 2220
Ion Ratio Lower Upper
99 100
42 13.9 14.3 21.5#
71 11.1 59.3 88.9#



#19
n-Nitroso-di-n-propylamine
Concen: 28.603 ng
RT: 9.534 min Scan# 1046
Delta R.T. 0.386 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

Tgt Ion: 70 Resp: 43417
Ion Ratio Lower Upper
70 100
42 38.1 32.8 49.2
101 0.0 7.7 11.5#
130 0.9 12.3 18.5#

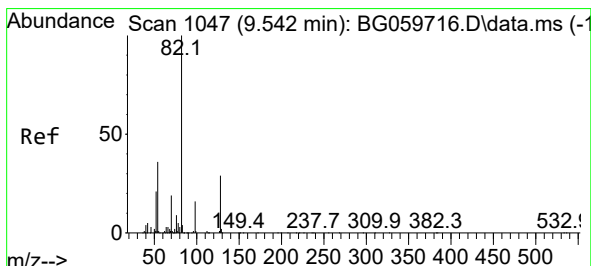
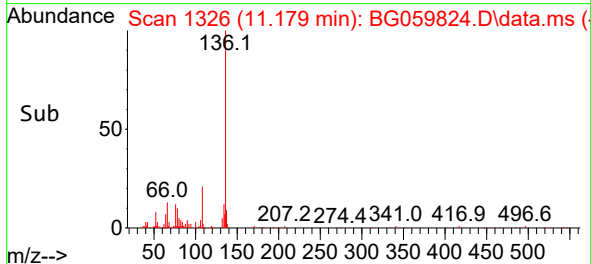
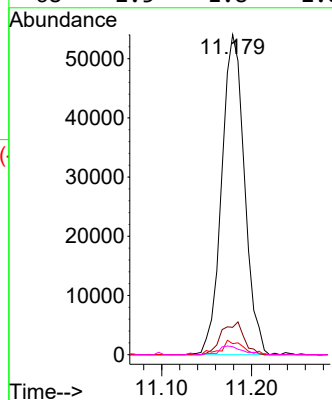
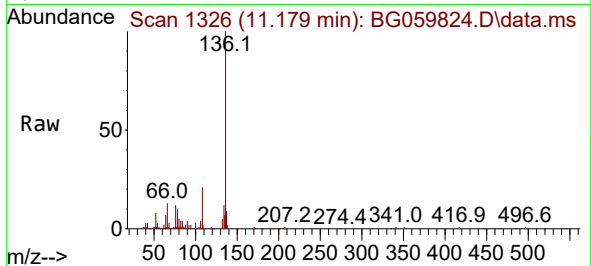




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 111
Delta R.T. -0.014 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

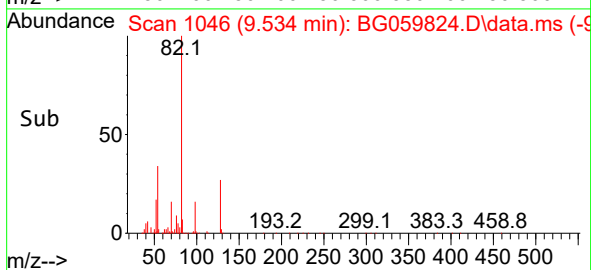
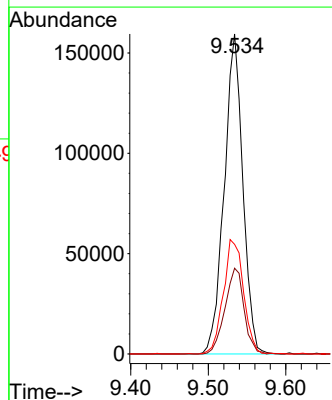
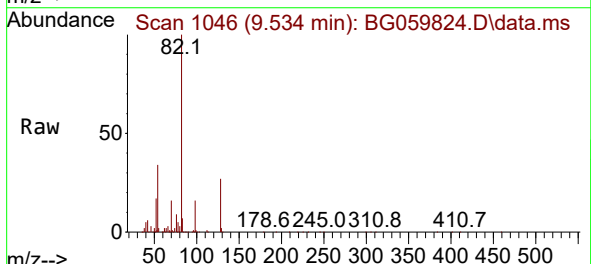
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

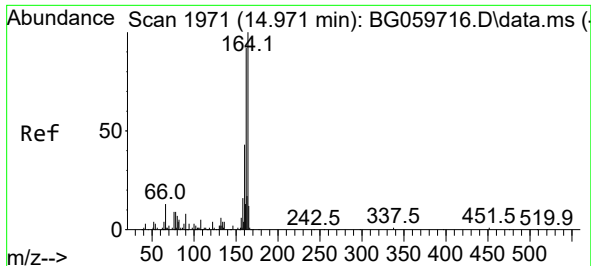
Tgt Ion:	136	Resp:	95385
Ion Ratio	Lower	Upper	
136	100		
137	8.6	7.4	11.0
54	3.5	3.1	4.7
68	2.5	1.8	2.8



#23
Nitrobenzene-d5
Concen: 106.610 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

Tgt Ion:	82	Resp:	266261
Ion Ratio	Lower	Upper	
82	100		
128	26.8	23.0	34.6
54	34.2	28.7	43.1

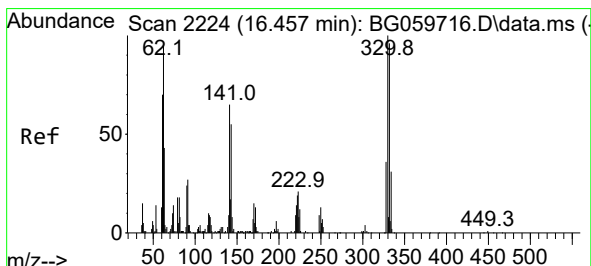
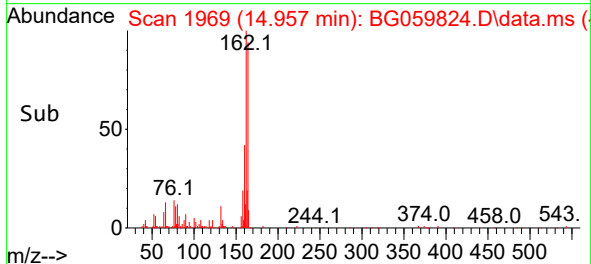
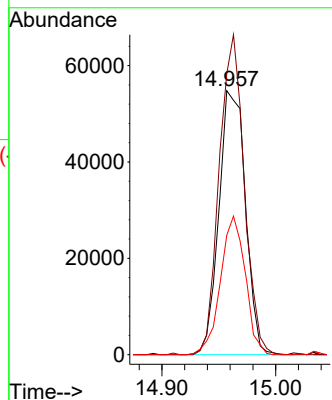
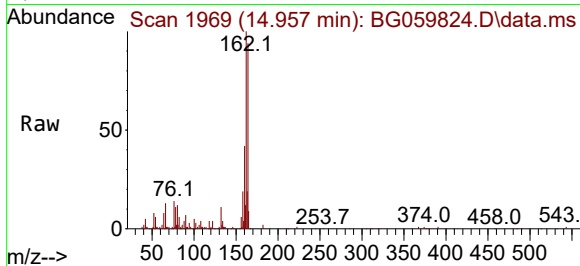




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.957 min Scan# 1971
Delta R.T. -0.014 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

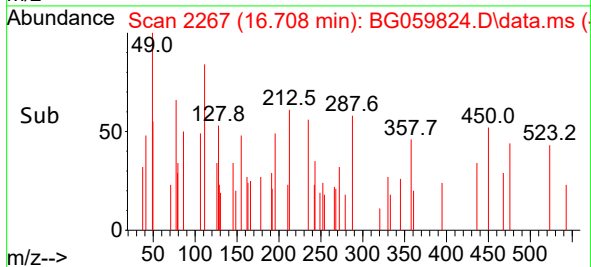
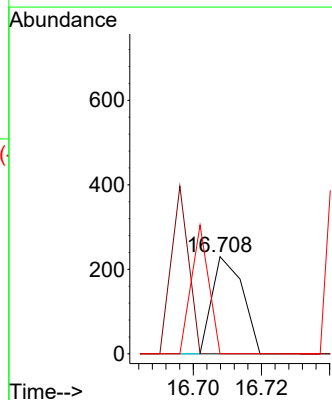
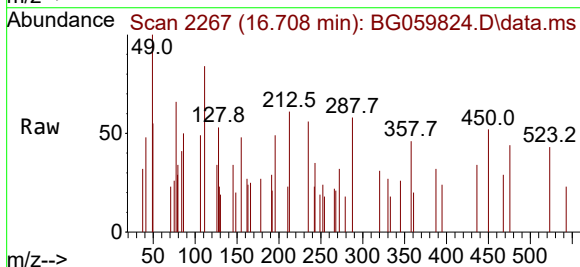
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

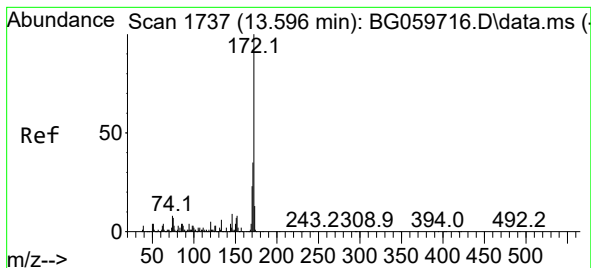
Tgt Ion:164 Resp: 88929
Ion Ratio Lower Upper
164 100
162 106.4 73.3 109.9
160 45.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 0.143 ng
RT: 16.708 min Scan# 2267
Delta R.T. 0.250 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

Tgt Ion:330 Resp: 144
Ion Ratio Lower Upper
330 100
332 97.2 73.3 109.9
141 75.0 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 114.091 ng

RT: 13.588 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG059824.D

Acq: 22 Nov 2023 19:02

Instrument :

BNA_G

ClientSampleId :

SOIL-1-1115

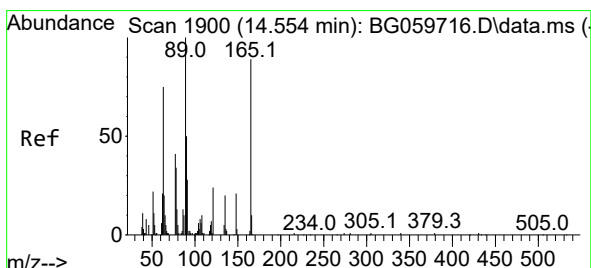
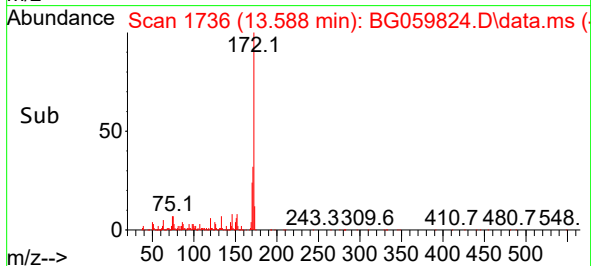
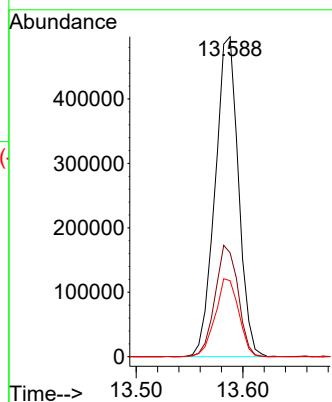
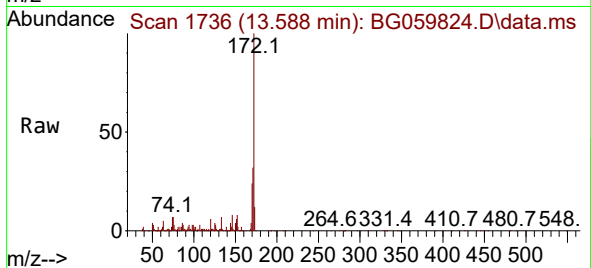
Tgt Ion:172 Resp: 753763

Ion Ratio Lower Upper

172 100

171 32.5 27.7 41.5

170 23.7 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 9.189 ng

RT: 14.969 min Scan# 1971

Delta R.T. 0.415 min

Lab File: BG059824.D

Acq: 22 Nov 2023 19:02

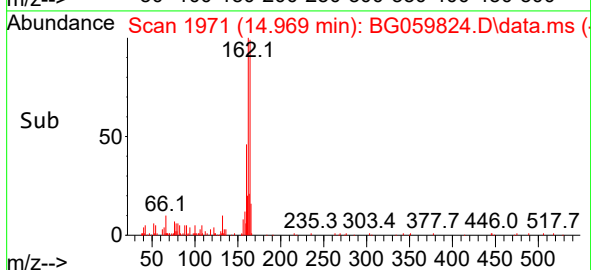
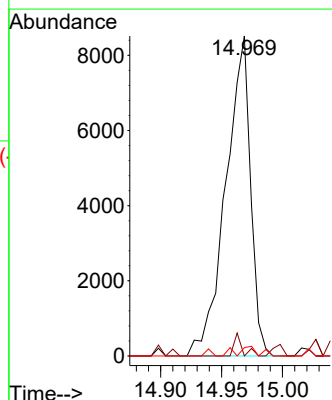
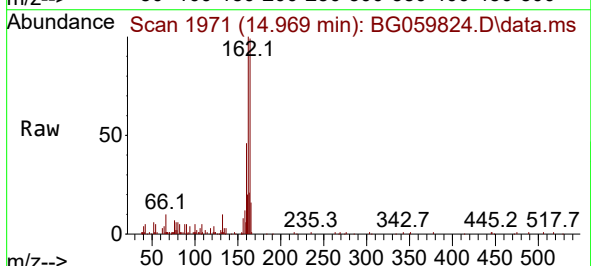
Tgt Ion:165 Resp: 12013

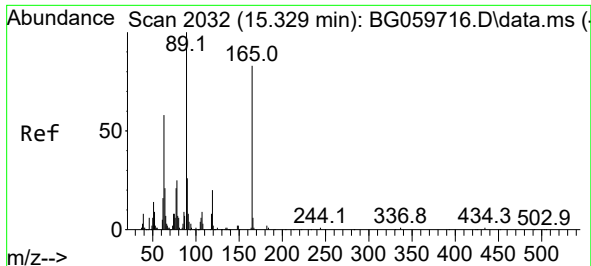
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 2.6 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.975 ng

RT: 14.969 min Scan# 1971

Delta R.T. -0.361 min

Lab File: BG059824.D

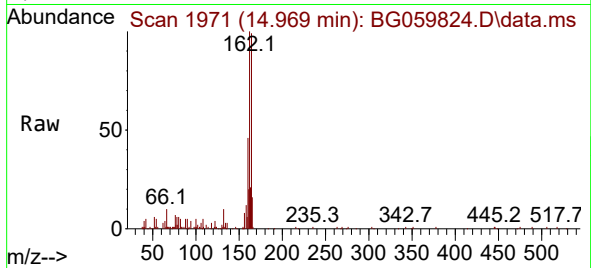
Acq: 22 Nov 2023 19:02

Instrument :

BNA_G

ClientSampleId :

SOIL-1-1115



Tgt Ion:165 Resp: 12013

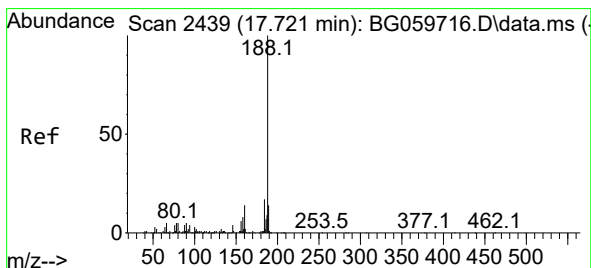
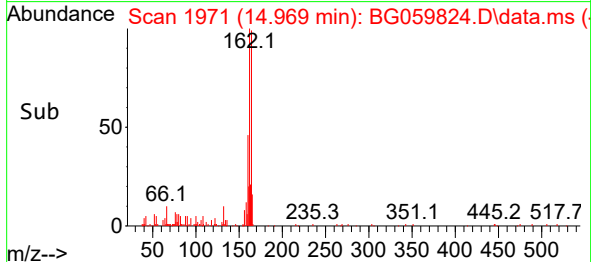
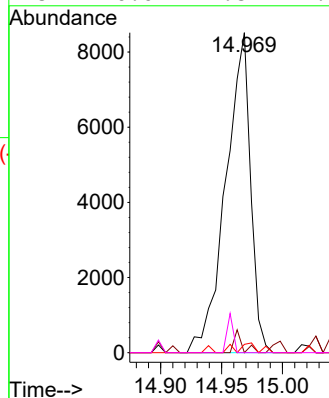
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 2.6 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.713 min Scan# 2438

Delta R.T. -0.008 min

Lab File: BG059824.D

Acq: 22 Nov 2023 19:02

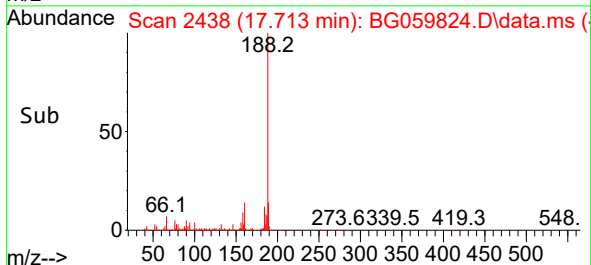
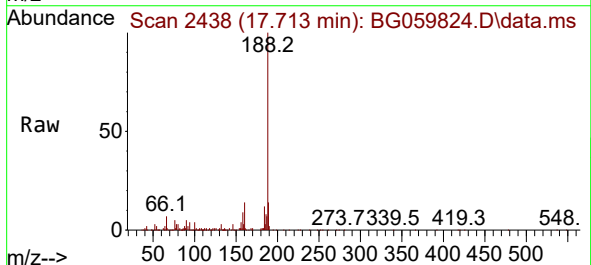
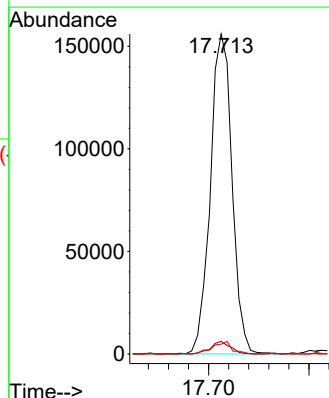
Tgt Ion:188 Resp: 234314

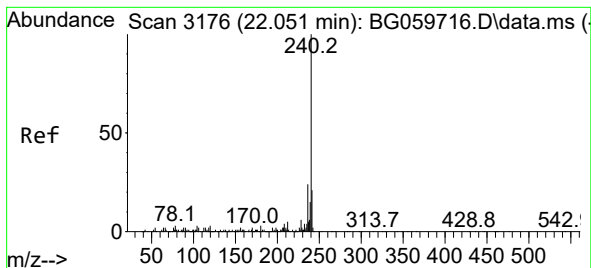
Ion Ratio Lower Upper

188 100

94 4.0 3.0 4.4

80 3.1 4.2 6.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.043 min Scan# 3175

Delta R.T. -0.008 min

Lab File: BG059824.D

Acq: 22 Nov 2023 19:02

Instrument :

BNA_G

ClientSampleId :

SOIL-1-1115

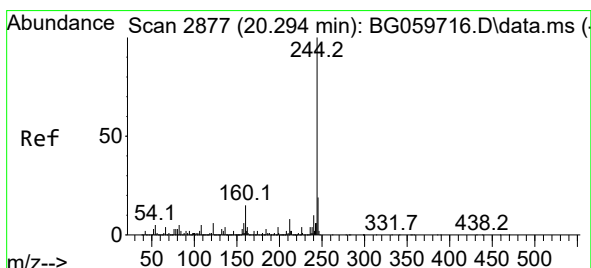
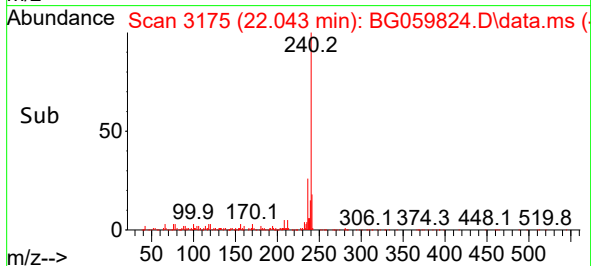
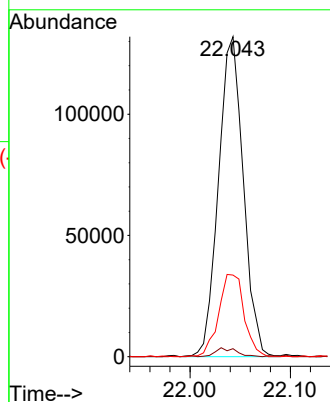
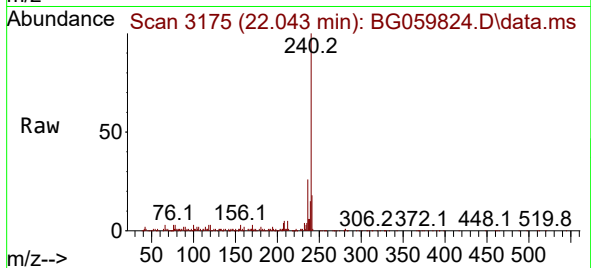
Tgt Ion:240 Resp: 226747

Ion Ratio Lower Upper

240 100

120 2.5 2.2 3.2

236 25.5 19.4 29.2



#79

Terphenyl-d14

Concen: 85.651 ng

RT: 20.292 min Scan# 2877

Delta R.T. -0.002 min

Lab File: BG059824.D

Acq: 22 Nov 2023 19:02

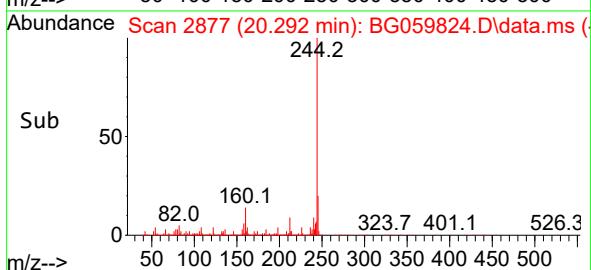
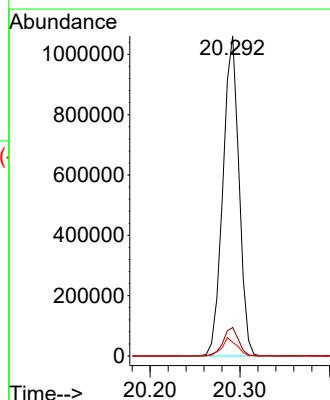
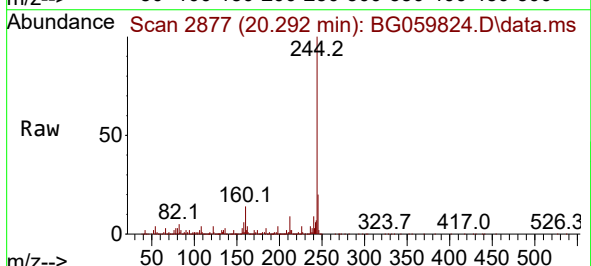
Tgt Ion:244 Resp: 1315573

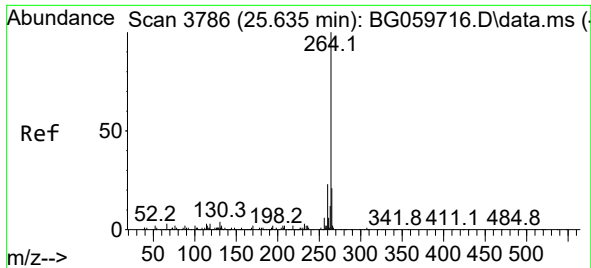
Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

122 4.3 4.4 6.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.621 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG059824.D
Acq: 22 Nov 2023 19:02

Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

Tgt Ion:264 Resp: 249895

Ion	Ratio	Lower	Upper
264	100		
260	20.3	18.5	27.7
265	17.1	17.0	25.6

