

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059846.D
 Acq On : 23 Nov 2023 10:37
 Operator : MA/JU
 Sample : 05445-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3-1115

Quant Time: Nov 24 00:19:06 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)

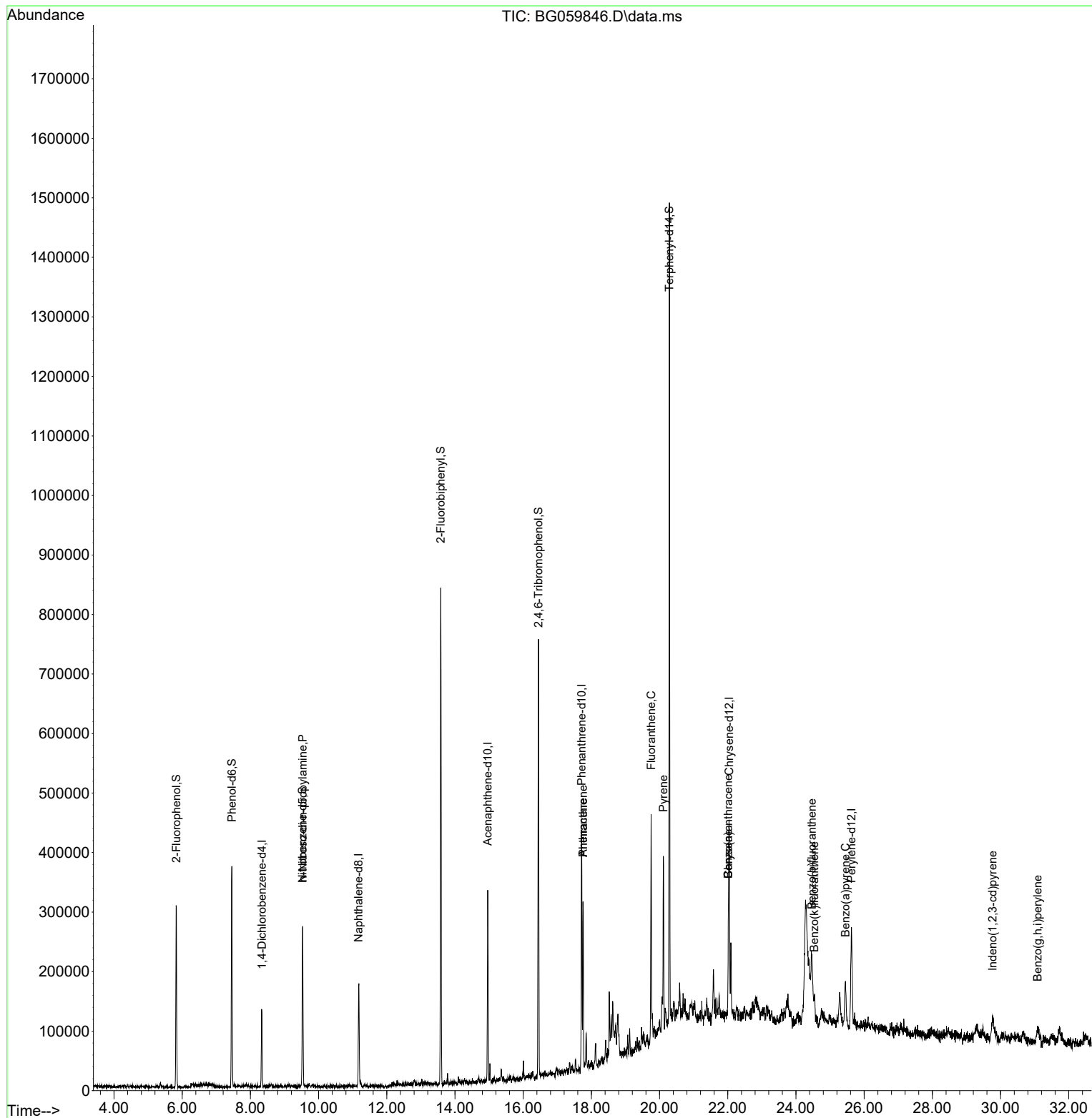
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	27030	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	125038	20.000	ng	#-0.02
39) Acenaphthene-d10	14.958	164	105013	20.000	ng	-0.01
64) Phenanthrene-d10	17.713	188	208890	20.000	ng	0.00
76) Chrysene-d12	22.038	240	166665	20.000	ng	-0.01
86) Perylene-d12	25.628	264	198100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	104915	65.330	ng	0.00
7) Phenol-d6	7.455	99	164999	69.332	ng	0.00
23) Nitrobenzene-d5	9.529	82	166628	50.895	ng	-0.01
42) 2,4,6-Tribromophenol	16.450	330	99962	83.896	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	365541	46.855	ng	-0.01
79) Terphenyl-d14	20.287	244	529135	46.869	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.535	70	29283	15.625	ng	# 66
71) Phenanthrene	17.754	178	158206	14.896	ng	97
72) Anthracene	17.754	178	158206	14.337	ng	98
75) Fluoranthene	19.752	202	209754	16.469	ng	99
78) Pyrene	20.110	202	184462	16.267	ng	98
81) Benzo(a)anthracene	22.014	228	96607	8.472	ng	96
83) Chrysene	22.014	228	96607	9.241	ng	95
87) Indeno(1,2,3-cd)pyrene	29.764	276	66542	4.439	ng	# 96
88) Benzo(b)fluoranthene	24.464	252	115543	10.642	ng	# 96
89) Benzo(k)fluoranthene	24.535	252	32603	3.037	ng	96
90) Benzo(a)pyrene	25.451	252	88550	7.642	ng	# 81
92) Benzo(g,h,i)perylene	31.086	276	33386	2.775	ng	# 92

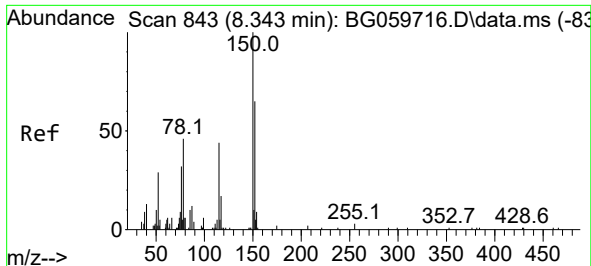
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

Quant Time: Nov 24 00:19:06 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

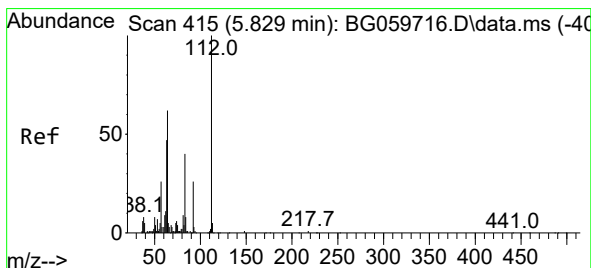
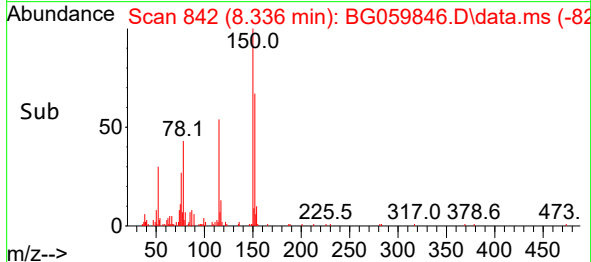
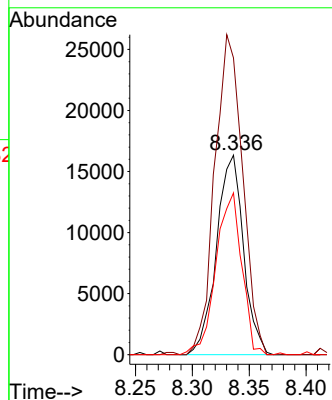
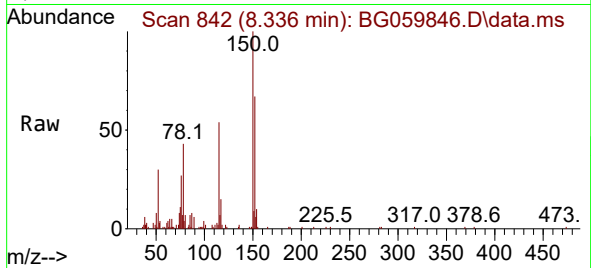




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 843
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

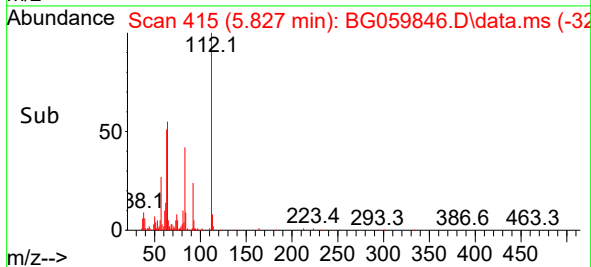
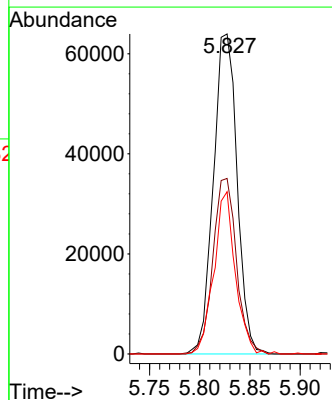
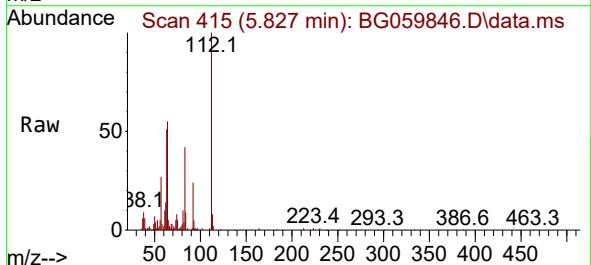
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

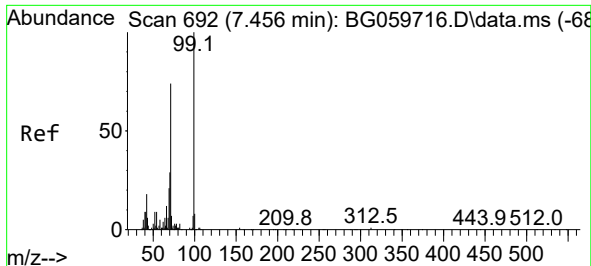
Tgt Ion:152 Resp: 27030
Ion Ratio Lower Upper
152 100
150 148.7 122.2 183.4
115 81.0 54.2 81.4



#5
2-Fluorophenol
Concen: 65.330 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:112 Resp: 104915
Ion Ratio Lower Upper
112 100
64 54.9 49.5 74.3
63 50.7 37.4 56.2

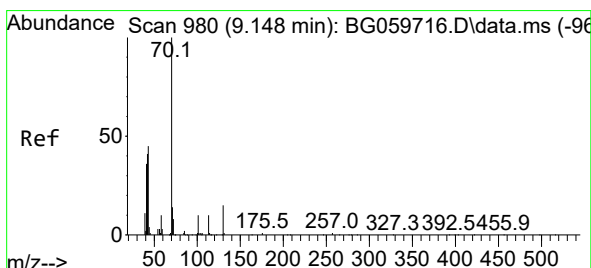
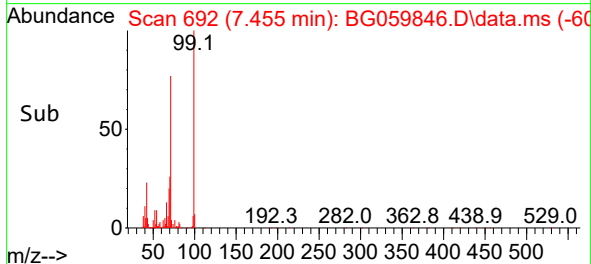
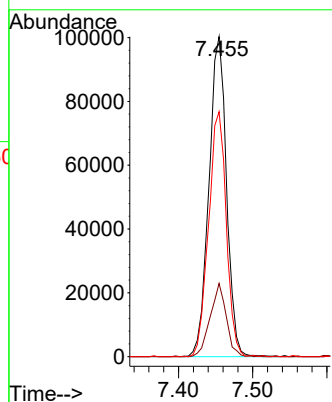
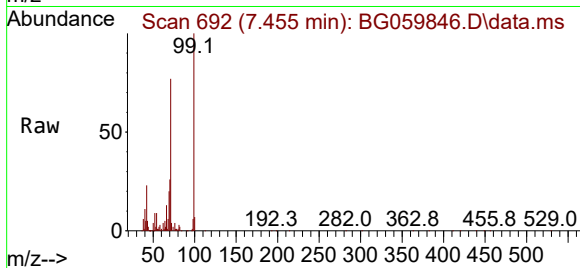




#7
Phenol-d6
Concen: 69.332 ng
RT: 7.455 min Scan# 692
Delta R.T. -0.001 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

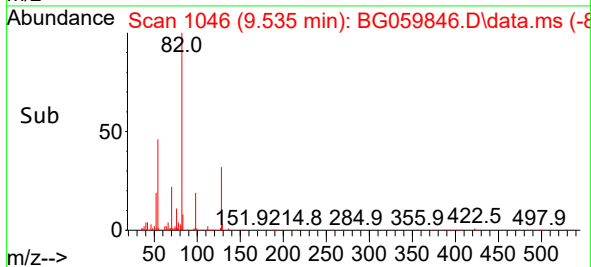
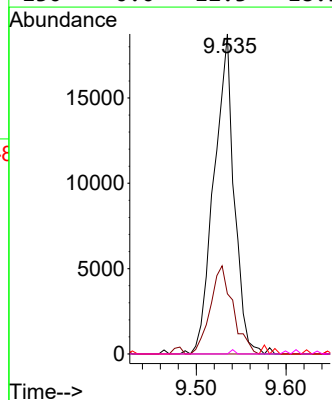
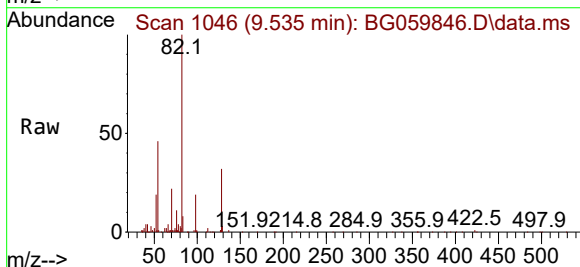
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

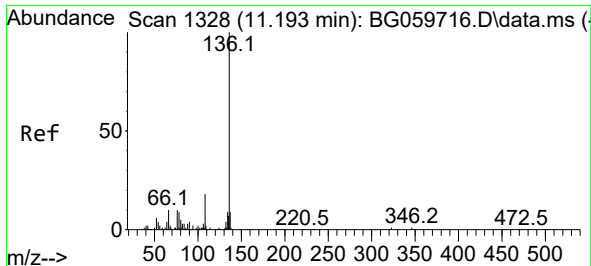
Tgt Ion: 99 Resp: 164999
Ion Ratio Lower Upper
99 100
42 22.9 14.3 21.5#
71 76.5 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.625 ng
RT: 9.535 min Scan# 1046
Delta R.T. 0.386 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion: 70 Resp: 29283
Ion Ratio Lower Upper
70 100
42 18.8 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

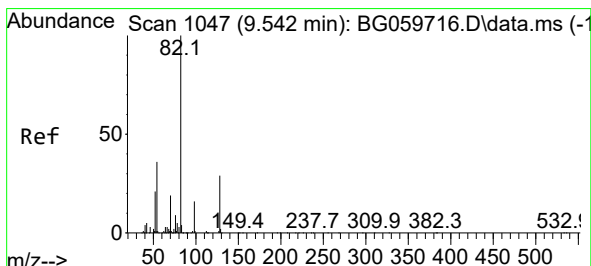
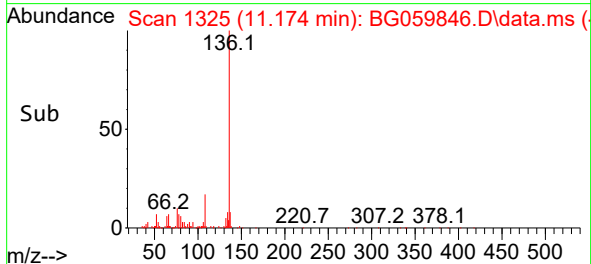
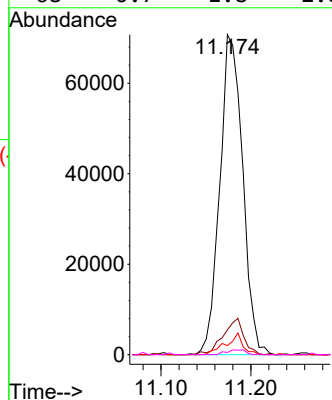
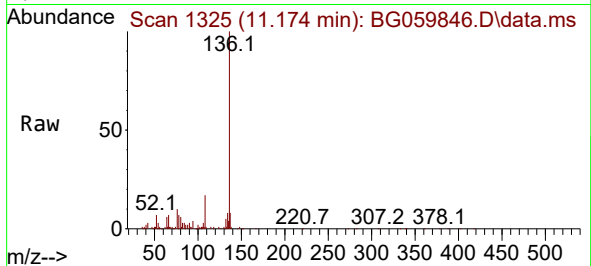




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 111
Delta R.T. -0.019 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

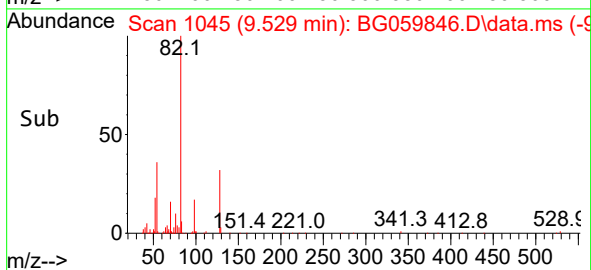
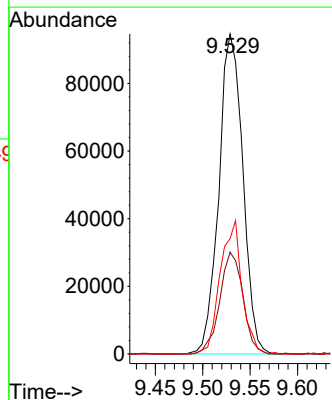
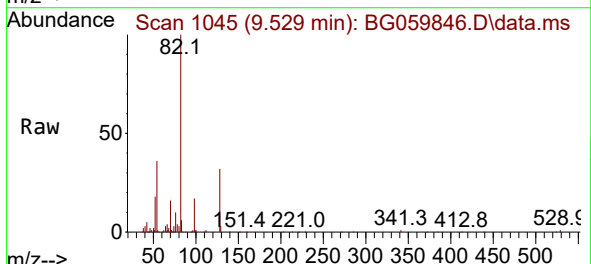
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

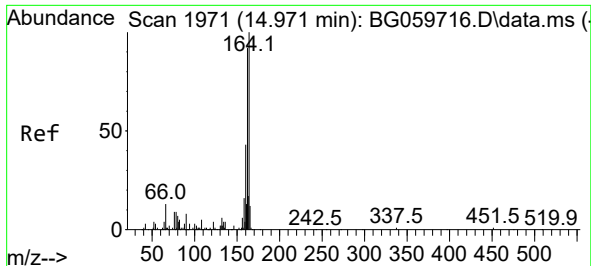
Tgt Ion:136 Resp: 125038
Ion Ratio Lower Upper
136 100
137 7.7 7.4 11.0
54 2.9 3.1 4.7#
68 0.7 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 50.895 ng
RT: 9.529 min Scan# 1045
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion: 82 Resp: 166628
Ion Ratio Lower Upper
82 100
128 31.8 23.0 34.6
54 36.1 28.7 43.1

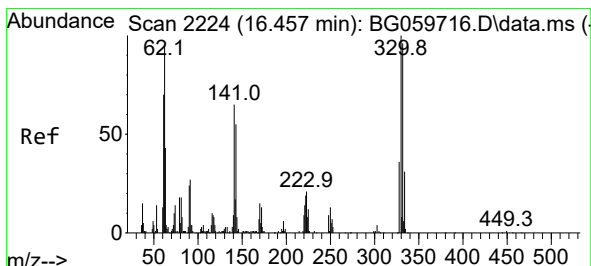
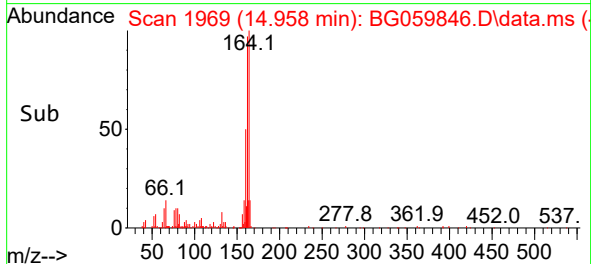
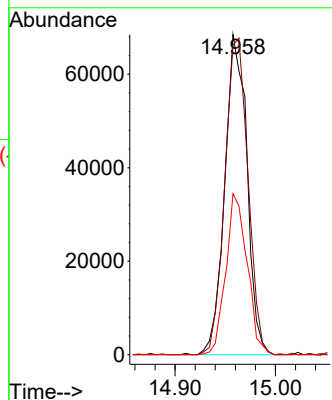
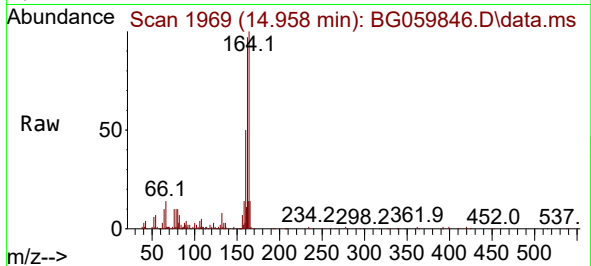




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.958 min Scan# 1969
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

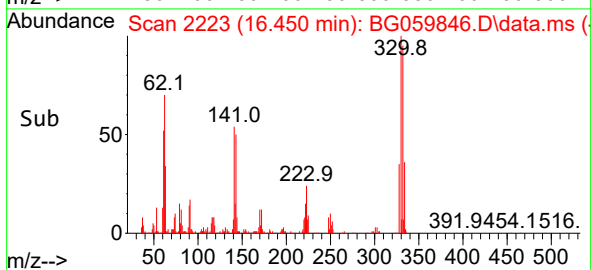
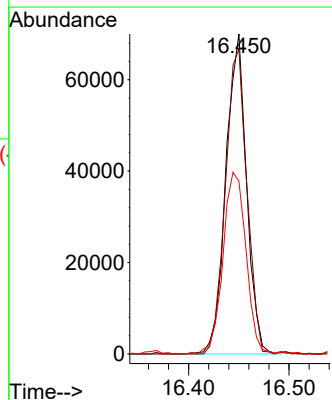
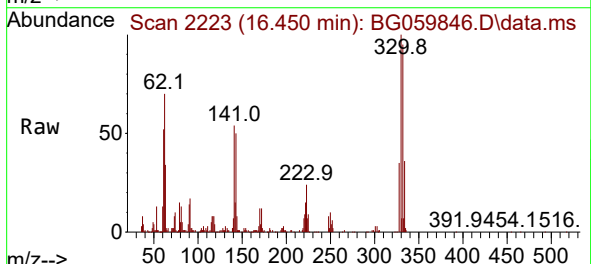
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

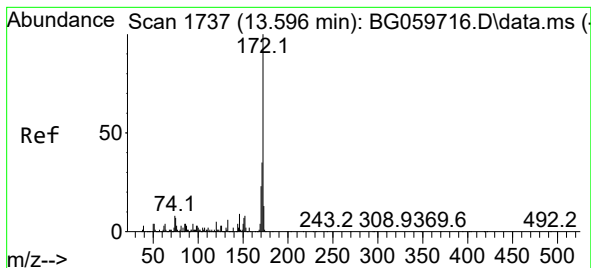
Tgt Ion:164 Resp: 105013
Ion Ratio Lower Upper
164 100
162 96.7 73.3 109.9
160 50.3 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 83.896 ng
RT: 16.450 min Scan# 2223
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:330 Resp: 99962
Ion Ratio Lower Upper
330 100
332 99.1 73.3 109.9
141 63.5 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 46.855 ng

RT: 13.583 min Scan# 1

Delta R.T. -0.013 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

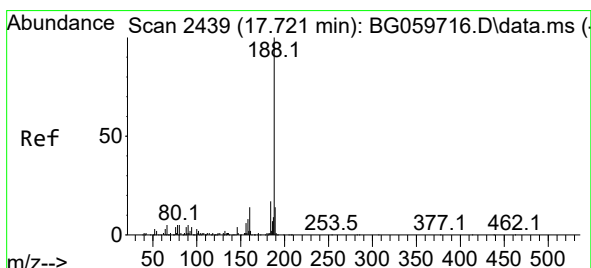
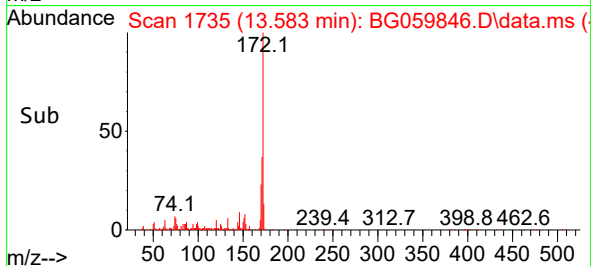
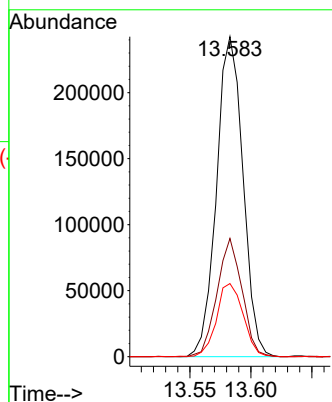
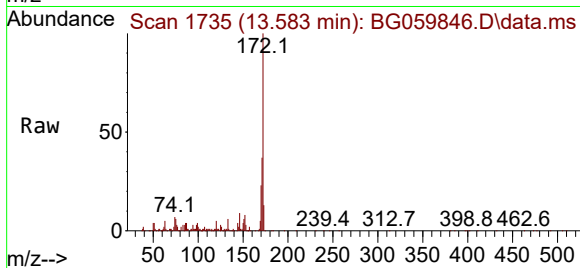
Tgt Ion:172 Resp: 365541

Ion Ratio Lower Upper

172 100

171 37.0 27.7 41.5

170 22.9 18.4 27.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.713 min Scan# 2438

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

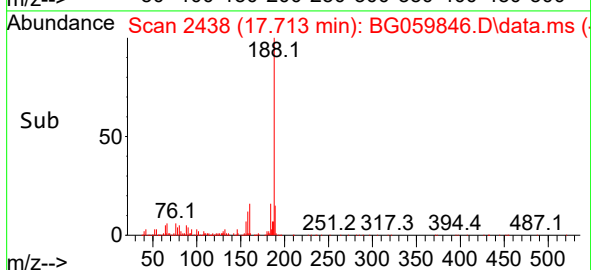
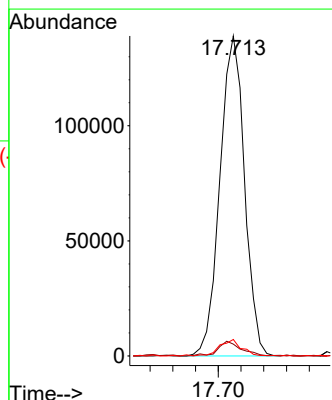
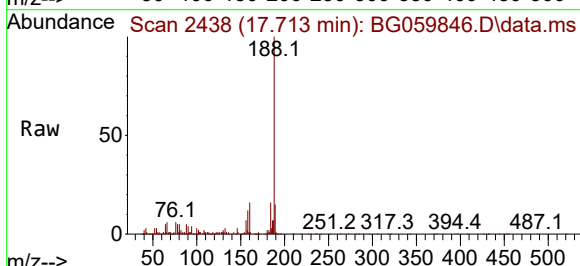
Tgt Ion:188 Resp: 208890

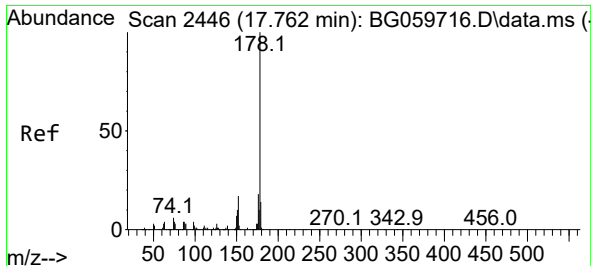
Ion Ratio Lower Upper

188 100

94 3.7 3.0 4.4

80 5.1 4.2 6.4

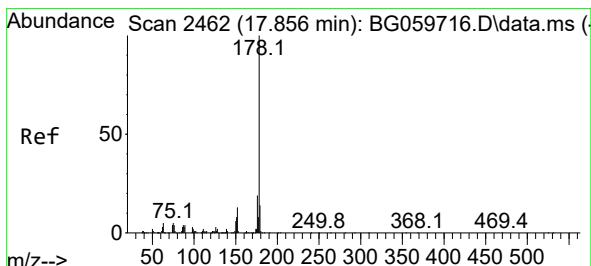
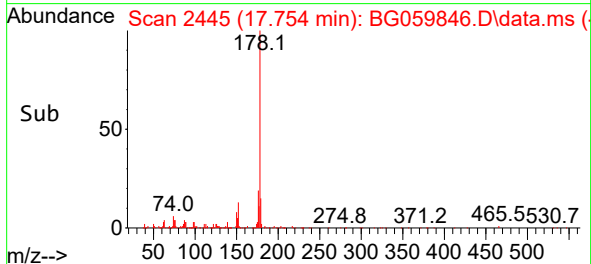
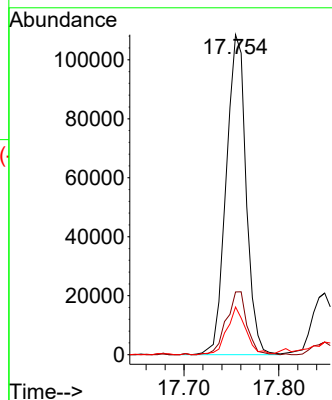
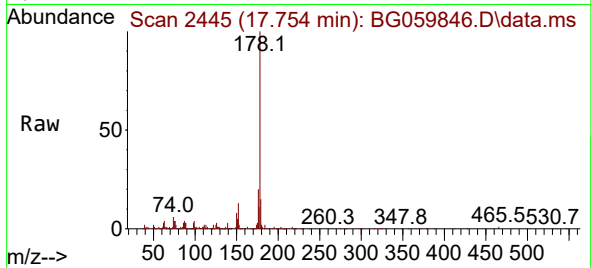




#71
Phenanthrene
Concen: 14.896 ng
RT: 17.754 min Scan# 2445
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

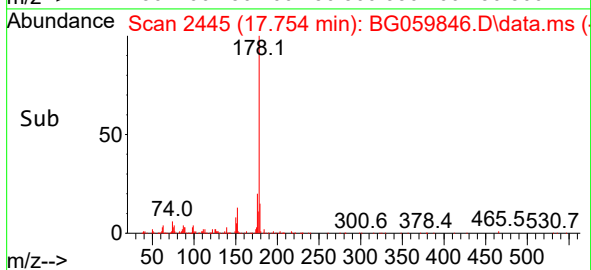
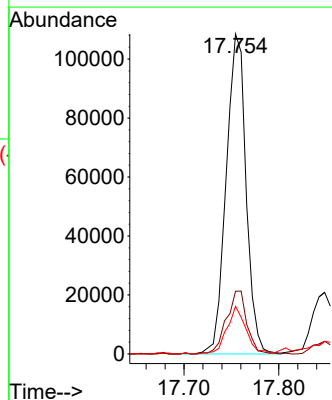
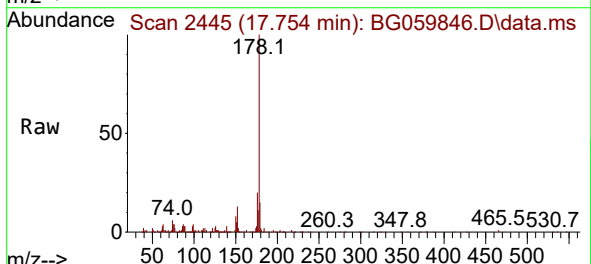
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

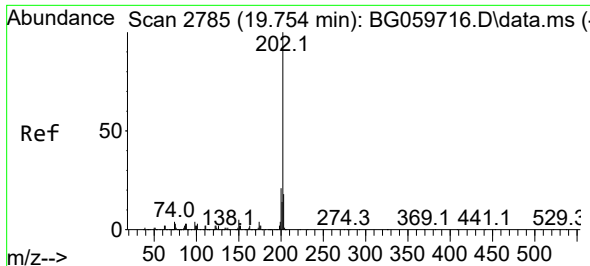
Tgt Ion:178 Resp: 158206
Ion Ratio Lower Upper
178 100
176 19.6 14.5 21.7
179 14.9 11.2 16.8



#72
Anthracene
Concen: 14.337 ng
RT: 17.754 min Scan# 2445
Delta R.T. -0.101 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:178 Resp: 158206
Ion Ratio Lower Upper
178 100
176 19.6 15.0 22.4
179 14.9 11.5 17.3

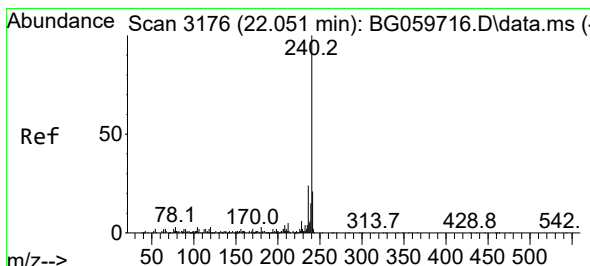
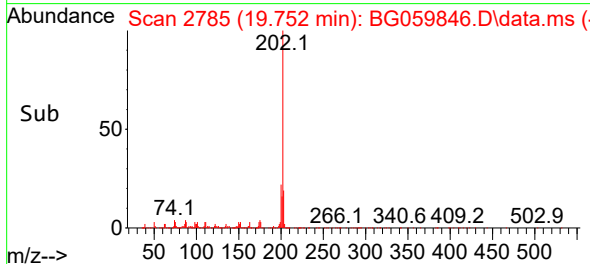
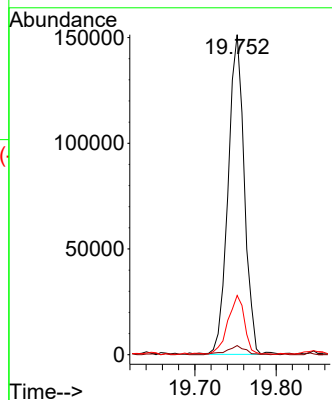
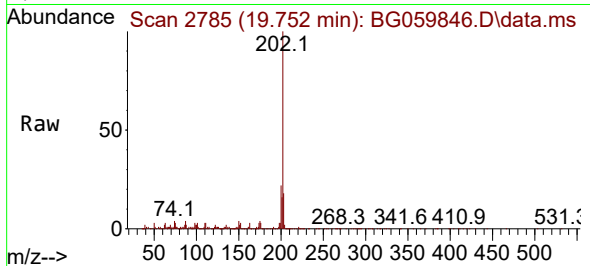




#75
Fluoranthene
Concen: 16.469 ng
RT: 19.752 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

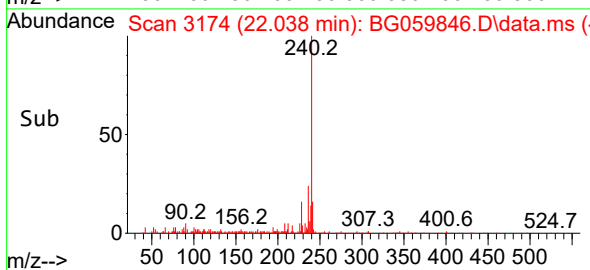
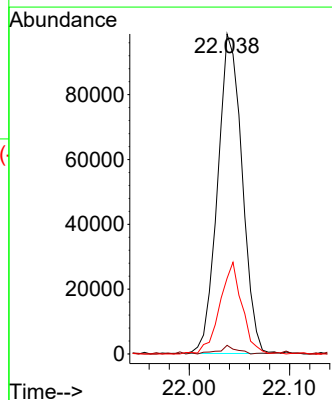
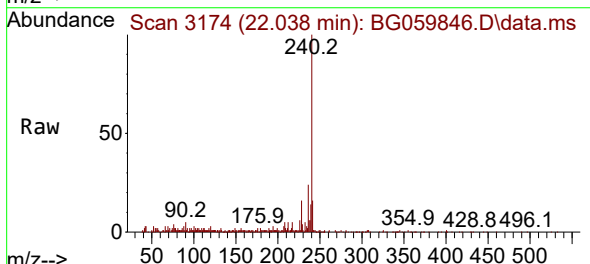
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

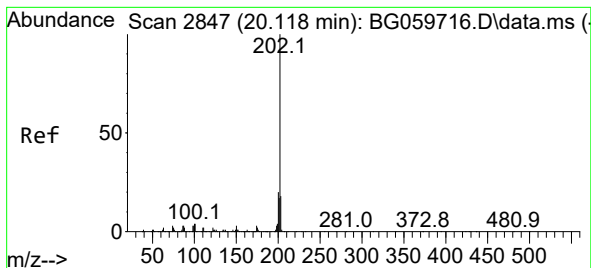
Tgt Ion:202 Resp: 209754
Ion Ratio Lower Upper
202 100
101 2.9 0.0 22.7
203 18.5 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.038 min Scan# 3174
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:240 Resp: 166665
Ion Ratio Lower Upper
240 100
120 2.7 2.2 3.2
236 23.6 19.4 29.2





#78

Pyrene

Concen: 16.267 ng

RT: 20.110 min Scan# 2846

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

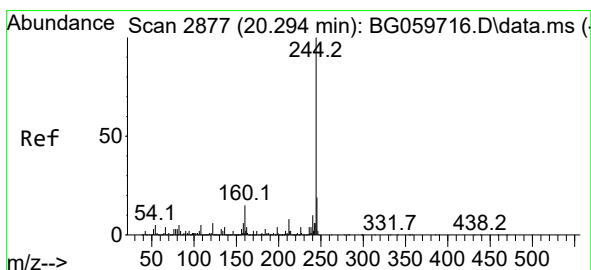
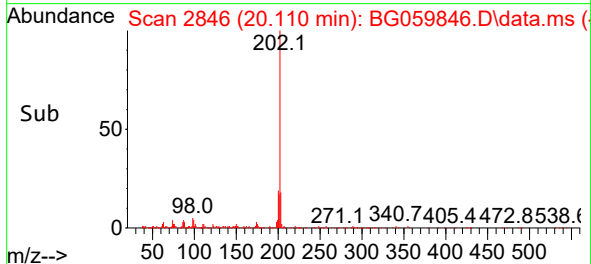
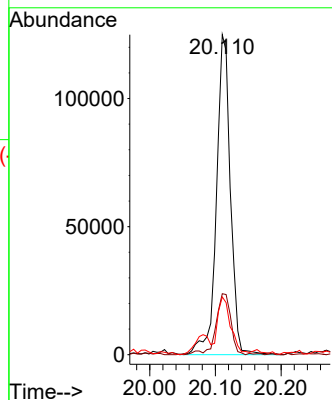
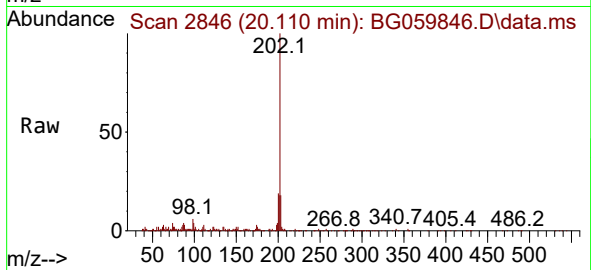
Tgt Ion:202 Resp: 184462

Ion Ratio Lower Upper

202 100

200 19.0 16.2 24.4

203 18.0 14.0 21.0



#79

Terphenyl-d14

Concen: 46.869 ng

RT: 20.287 min Scan# 2876

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

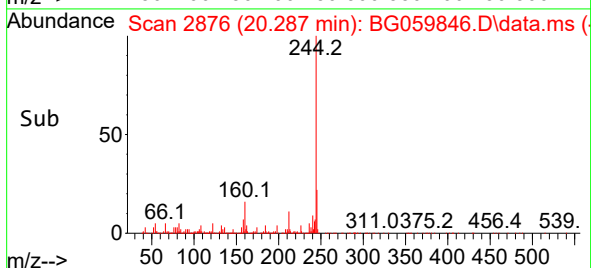
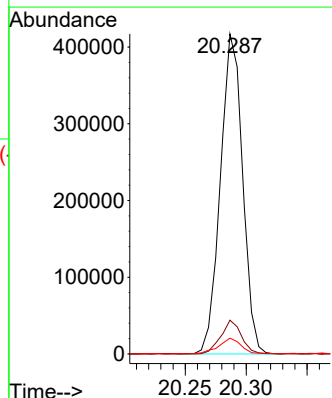
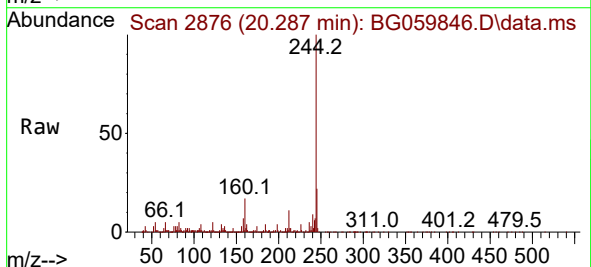
Tgt Ion:244 Resp: 529135

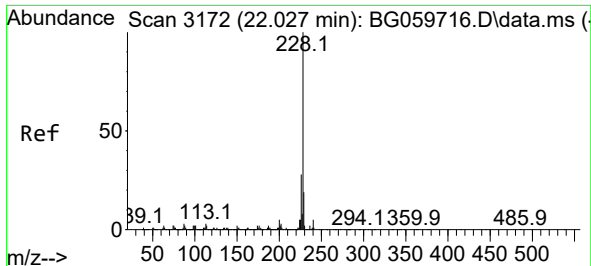
Ion Ratio Lower Upper

244 100

212 10.5 6.6 10.0#

122 5.0 4.4 6.6

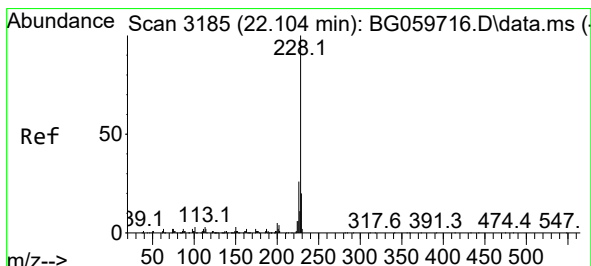
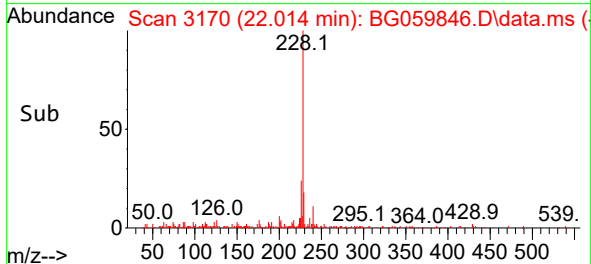
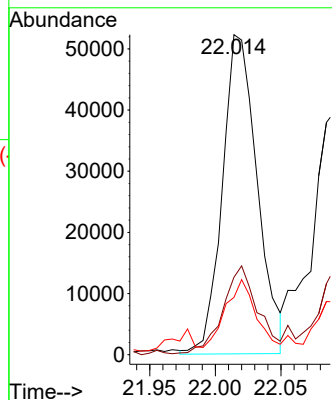
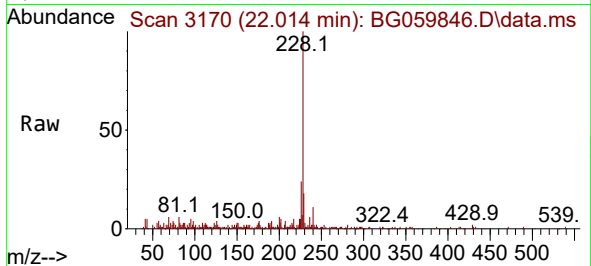




#81
Benzo(a)anthracene
Concen: 8.472 ng
RT: 22.014 min Scan# 3170
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

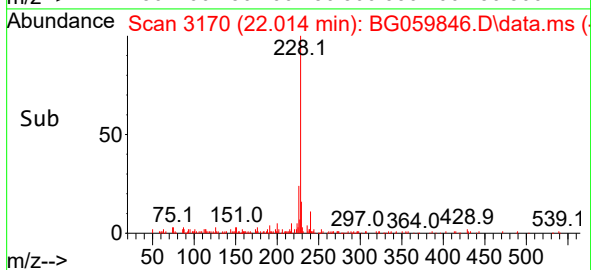
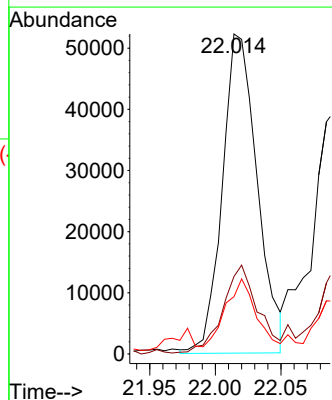
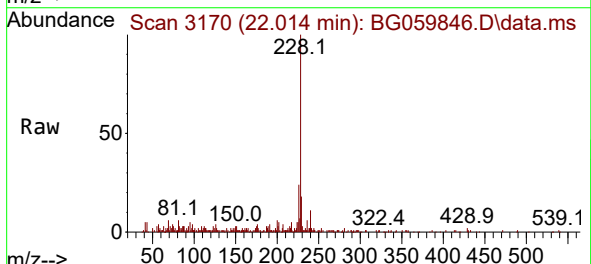
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

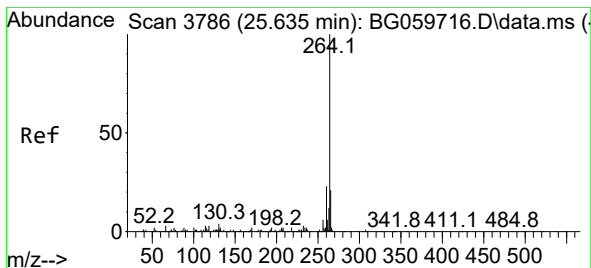
Tgt Ion:228 Resp: 96607
Ion Ratio Lower Upper
228 100
226 24.2 22.1 33.1
229 17.9 14.9 22.3



#83
Chrysene
Concen: 9.241 ng
RT: 22.014 min Scan# 3170
Delta R.T. -0.090 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:228 Resp: 96607
Ion Ratio Lower Upper
228 100
226 24.2 21.1 31.7
229 17.9 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.628 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

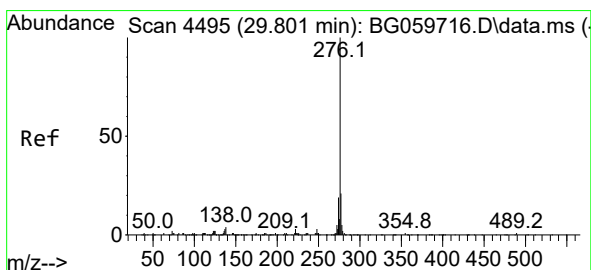
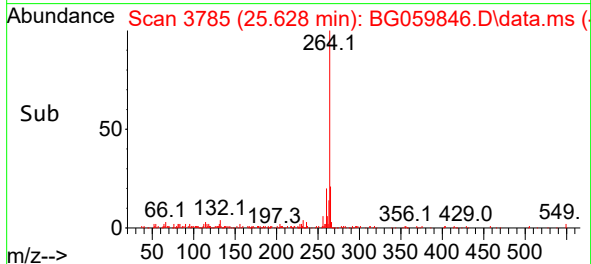
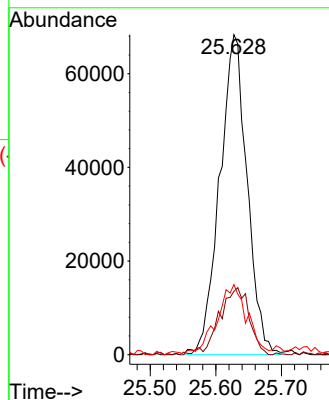
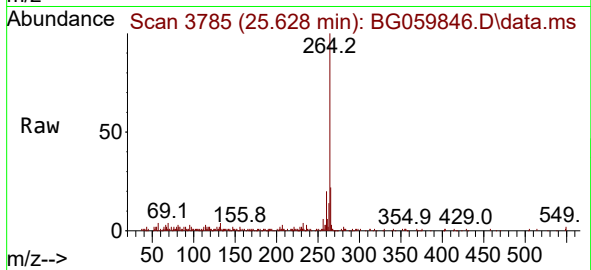
Tgt Ion:264 Resp: 198100

Ion Ratio Lower Upper

264 100

260 19.8 18.5 27.7

265 21.9 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.439 ng

RT: 29.764 min Scan# 4489

Delta R.T. -0.037 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

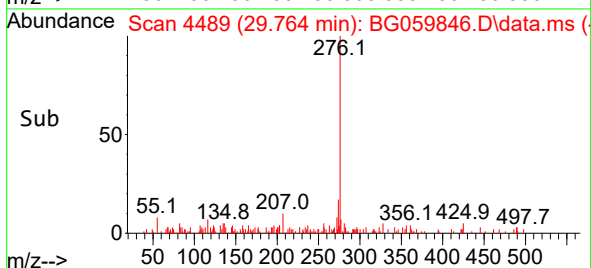
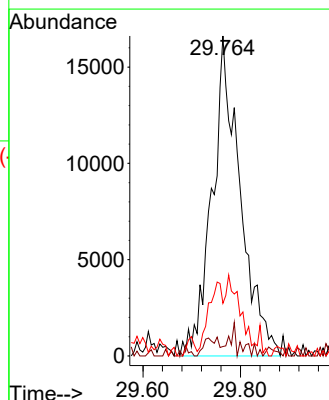
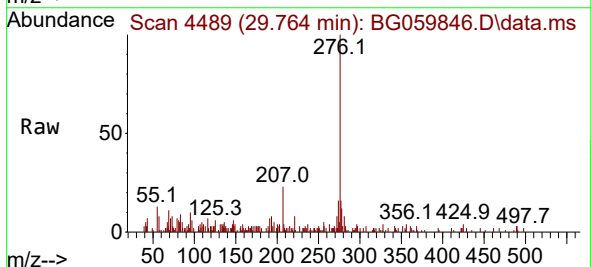
Tgt Ion:276 Resp: 66542

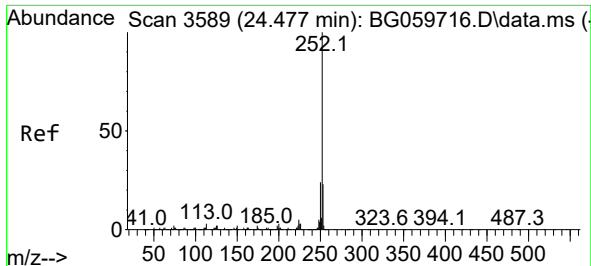
Ion Ratio Lower Upper

276 100

138 3.1 1.8 2.6#

277 10.7 9.8 14.6

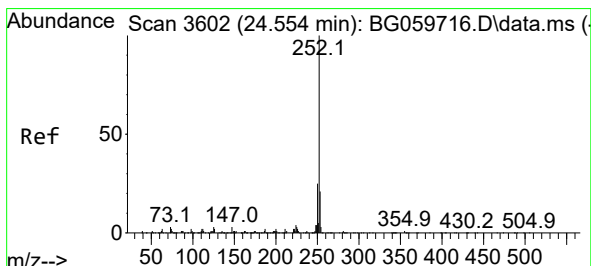
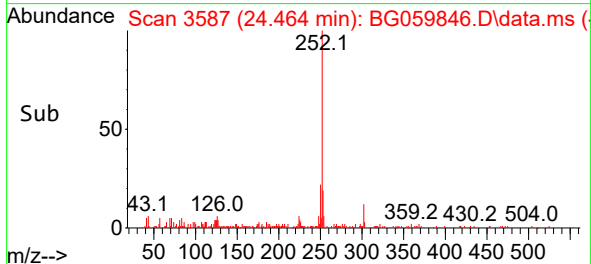
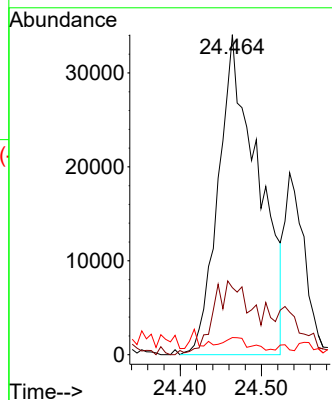
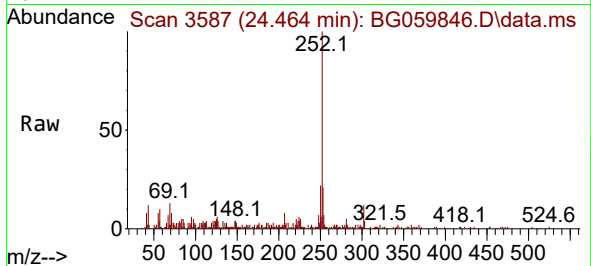




#88
Benzo(b)fluoranthene
Concen: 10.642 ng
RT: 24.464 min Scan# 3587
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

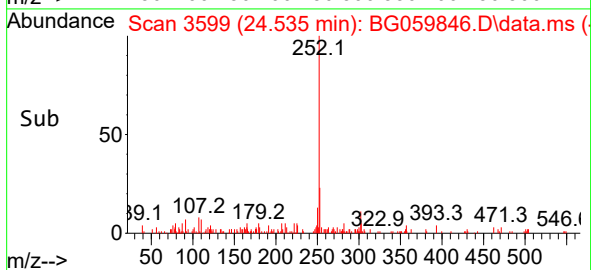
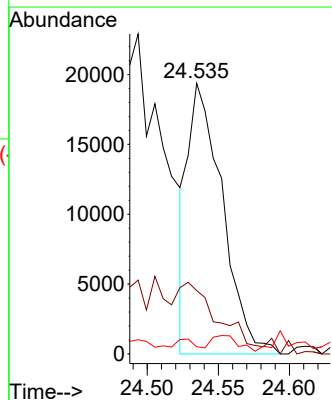
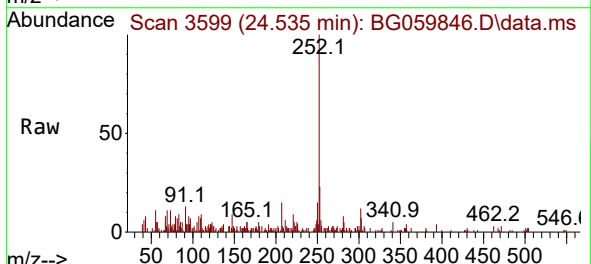
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

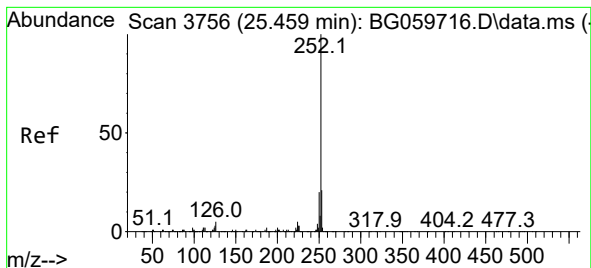
Tgt Ion:252 Resp: 115543
Ion Ratio Lower Upper
252 100
253 21.0 18.3 27.5
125 5.3 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 3.037 ng
RT: 24.535 min Scan# 3599
Delta R.T. -0.019 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:252 Resp: 32603
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 2.7 2.2 3.2





#90

Benzo(a)pyrene

Concen: 7.642 ng

RT: 25.451 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

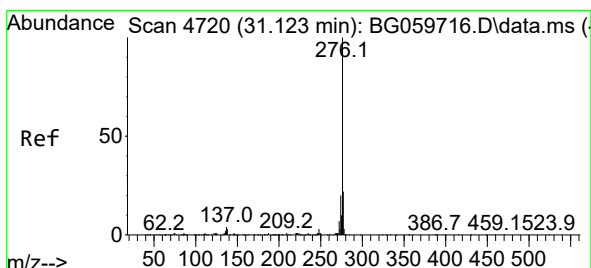
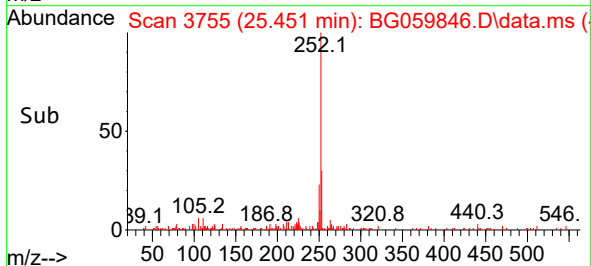
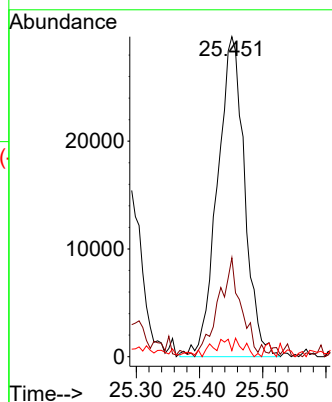
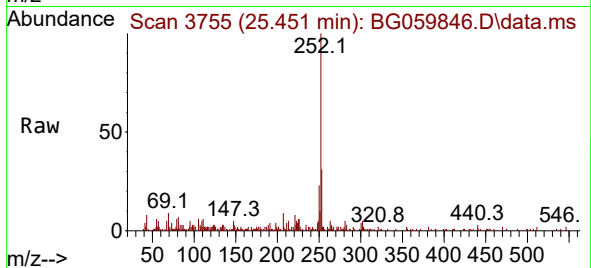
Tgt Ion:252 Resp: 88550

Ion Ratio Lower Upper

252 100

253 30.9 16.8 25.2#

125 1.9 2.0 3.0#



#92

Benzo(g,h,i)perylene

Concen: 2.775 ng

RT: 31.086 min Scan# 4714

Delta R.T. -0.037 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Tgt Ion:276 Resp: 33386

Ion Ratio Lower Upper

276 100

277 18.0 17.3 25.9

138 6.4 2.6 4.0#

