

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059825.D
 Acq On : 22 Nov 2023 19:43
 Operator : MA/JU
 Sample : 05445-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2-1115

Quant Time: Nov 23 01:29:46 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)

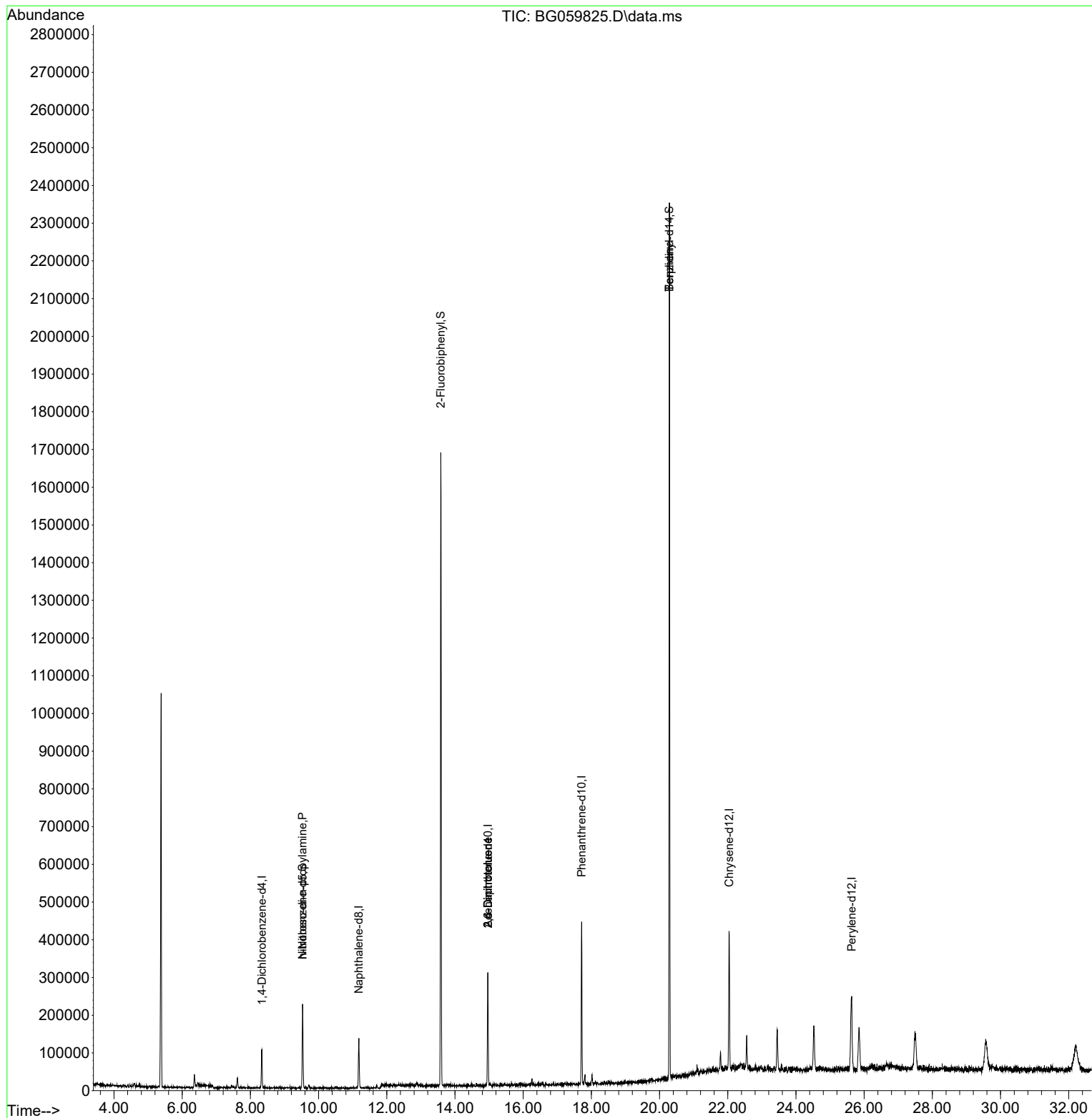
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	20414	20.000	ng	0.00
21) Naphthalene-d8	11.180	136	91610	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	94314	20.000	ng	# 0.00
64) Phenanthrene-d10	17.713	188	227698	20.000	ng	# 0.00
76) Chrysene-d12	22.037	240	216453	20.000	ng	#-0.01
86) Perylene-d12	25.633	264	240311	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	179	0.148	ng	-0.01
7) Phenol-d6	7.449	99	3562	1.982	ng	0.00
23) Nitrobenzene-d5	9.529	82	133499	55.655	ng	-0.01
42) 2,4,6-Tribromophenol	16.462	330	57	0.053	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	707056	100.911	ng	-0.01
79) Terphenyl-d14	20.287	244	965291	65.835	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.529	70	23264	16.437	ng	# 84
51) 2,6-Dinitrotoluene	14.963	165	14613	10.539	ng	# 1
57) 2,4-Dinitrotoluene	14.963	165	14613	6.853	ng	# 3
77) Benzidine	20.287	184	31208	6.358	ng	# 89

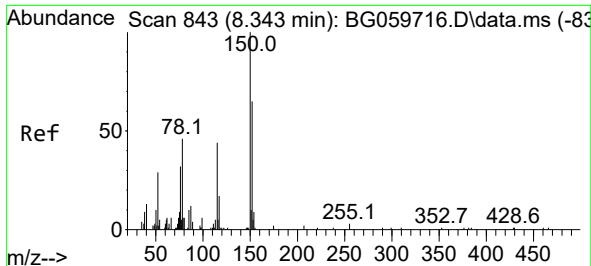
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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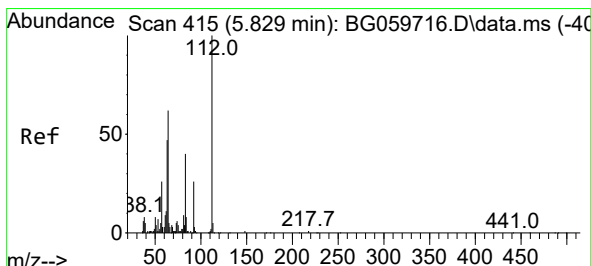
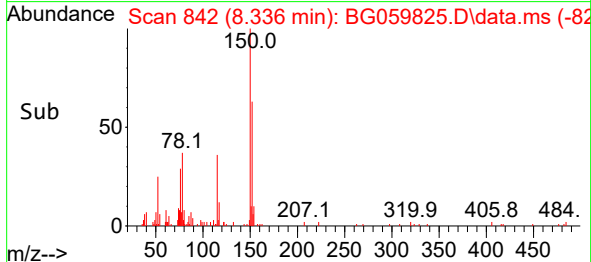
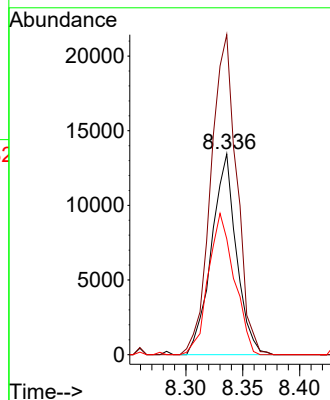
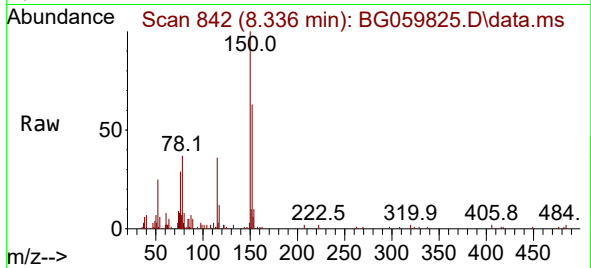




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 843
Delta R.T. -0.007 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

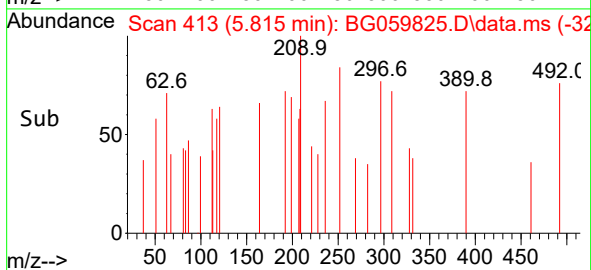
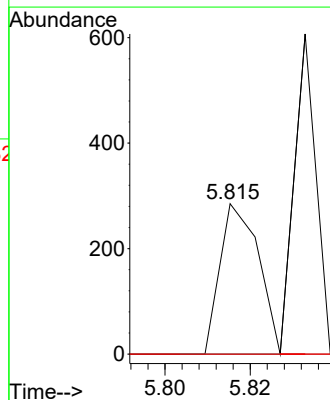
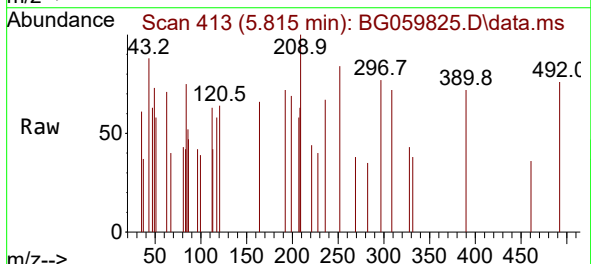
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

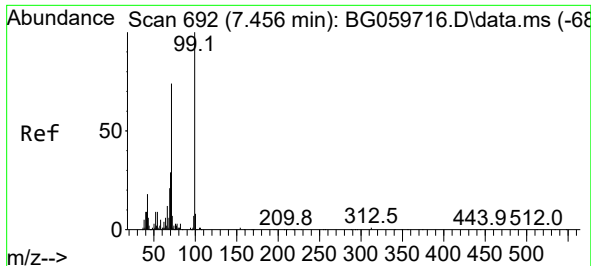
Tgt Ion:152 Resp: 20414
Ion Ratio Lower Upper
152 100
150 159.3 122.2 183.4
115 57.7 54.2 81.4



#5
2-Fluorophenol
Concen: 0.148 ng
RT: 5.815 min Scan# 413
Delta R.T. -0.013 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

Tgt Ion:112 Resp: 179
Ion Ratio Lower Upper
112 100
64 0.0 49.5 74.3#
63 0.0 37.4 56.2#

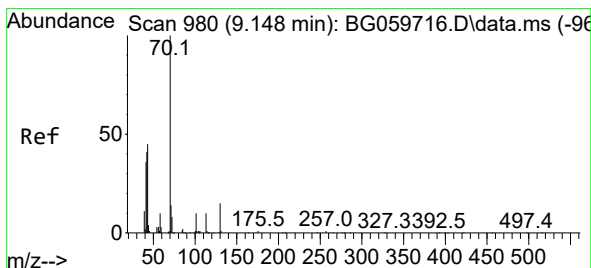
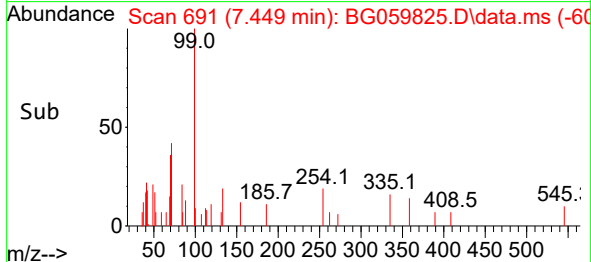
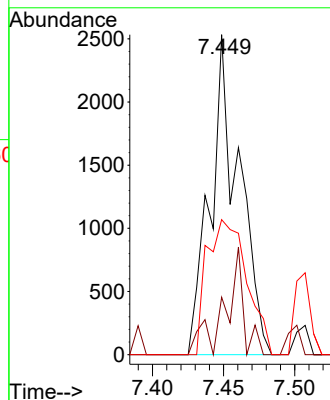
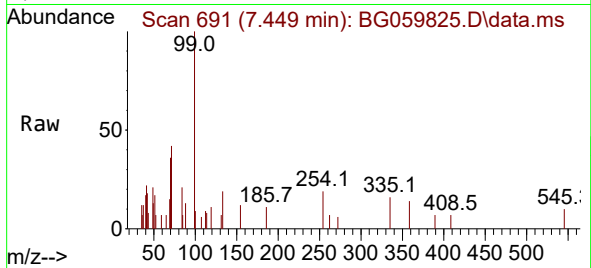




#7
Phenol-d6
Concen: 1.982 ng
RT: 7.449 min Scan# 691
Delta R.T. -0.008 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

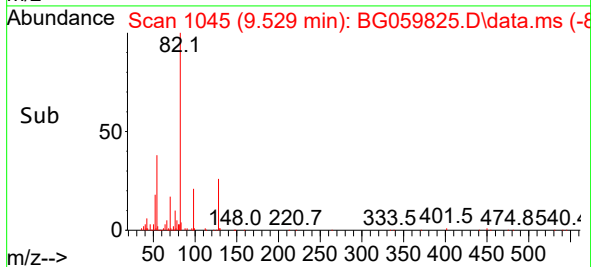
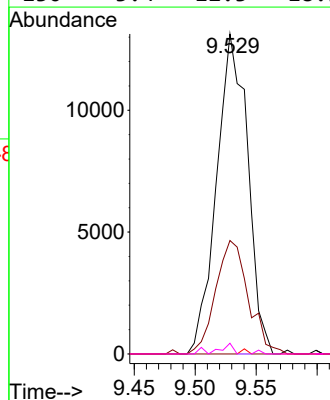
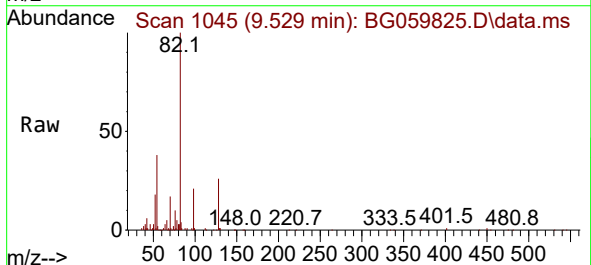
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

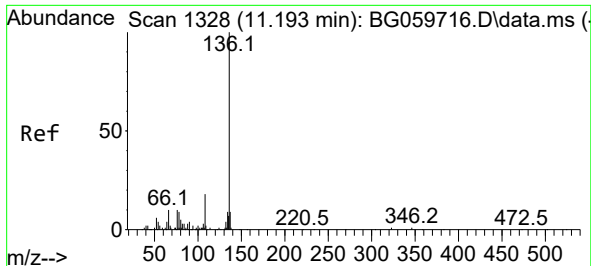
Tgt Ion: 99 Resp: 3562
Ion Ratio Lower Upper
99 100
42 18.0 14.3 21.5
71 42.2 59.3 88.9#



#19
n-Nitroso-di-n-propylamine
Concen: 16.437 ng
RT: 9.529 min Scan# 1045
Delta R.T. 0.380 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

Tgt Ion: 70 Resp: 23264
Ion Ratio Lower Upper
70 100
42 35.4 32.8 49.2
101 0.0 7.7 11.5#
130 3.4 12.3 18.5#

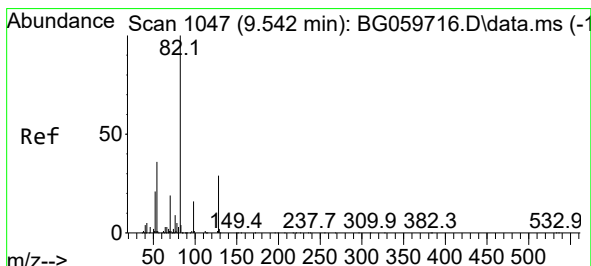
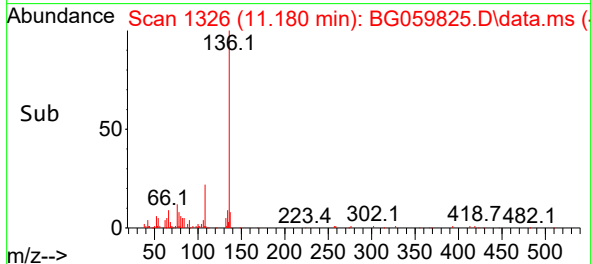
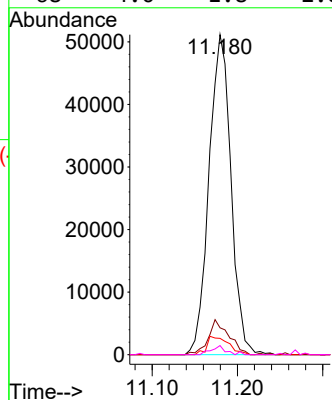
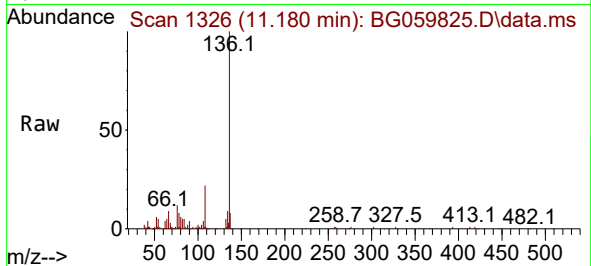




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.180 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

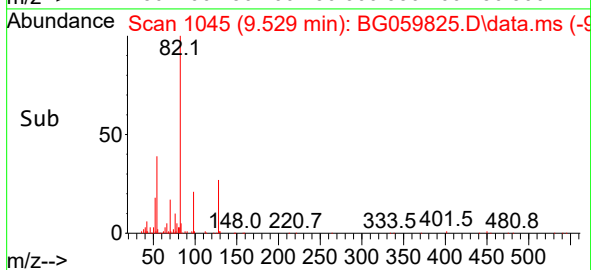
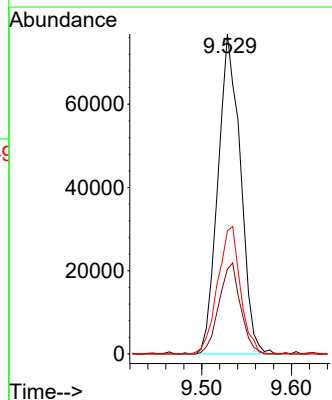
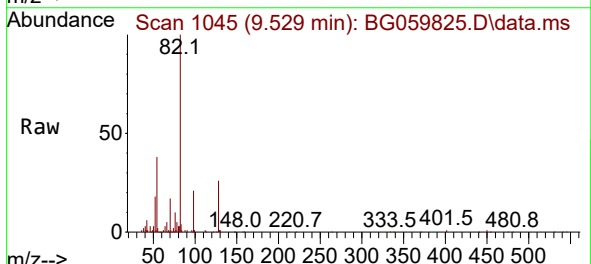
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

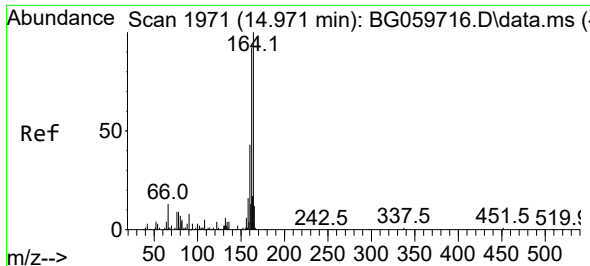
Tgt Ion:	136	Resp:	91610
Ion Ratio	Lower	Upper	
136	100		
137	8.4	7.4	11.0
54	5.1	3.1	4.7#
68	4.0	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 55.655 ng
RT: 9.529 min Scan# 1045
Delta R.T. -0.013 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

Tgt Ion:	82	Resp:	133499
Ion Ratio	Lower	Upper	
82	100		
128	26.5	23.0	34.6
54	38.5	28.7	43.1

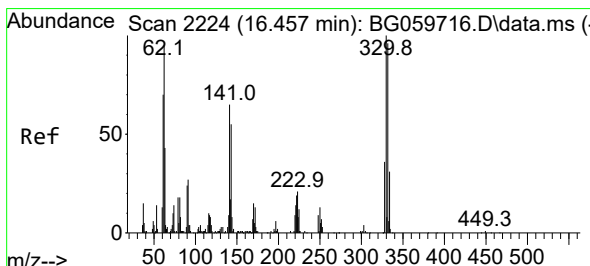
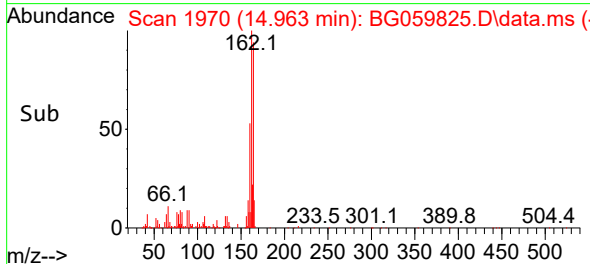
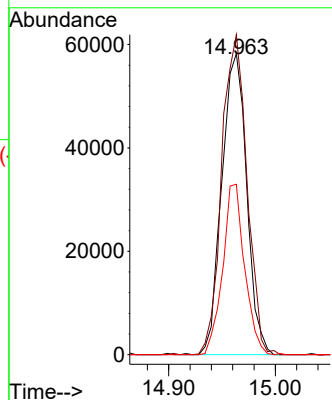
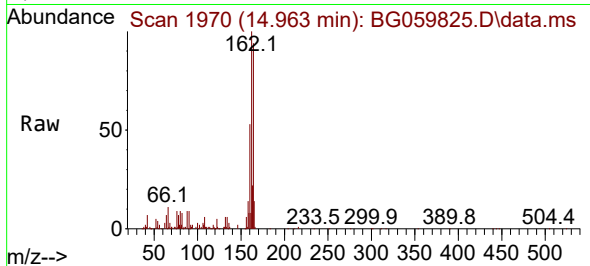




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

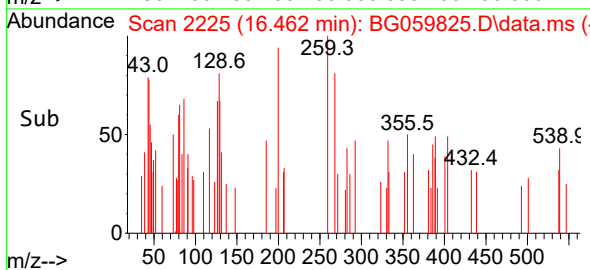
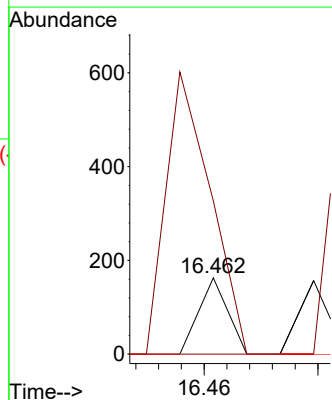
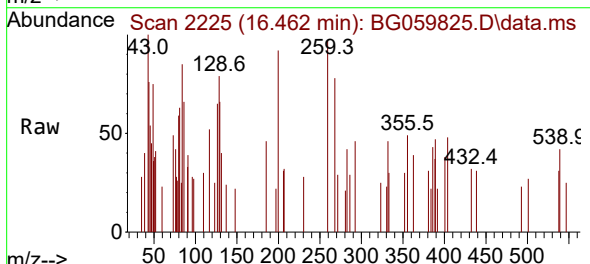
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

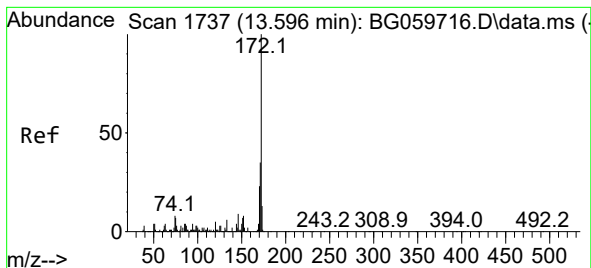
Tgt Ion:164 Resp: 94314
Ion Ratio Lower Upper
164 100
162 106.2 73.3 109.9
160 56.6 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 0.053 ng
RT: 16.462 min Scan# 2225
Delta R.T. 0.004 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

Tgt Ion:330 Resp: 57
Ion Ratio Lower Upper
330 100
332 573.7 73.3 109.9#
141 0.0 52.1 78.1#

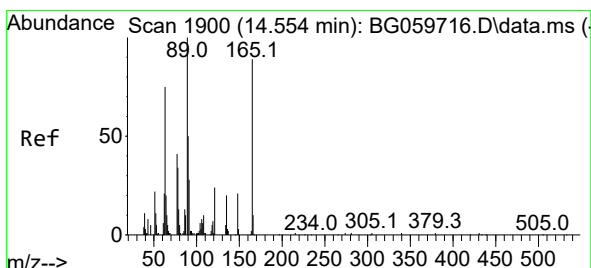
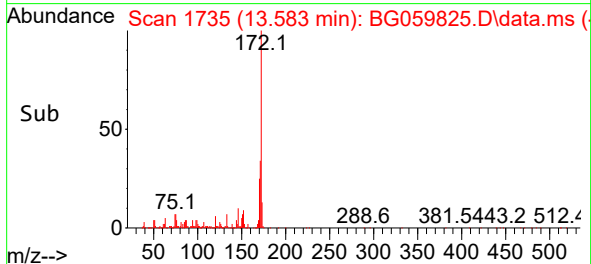
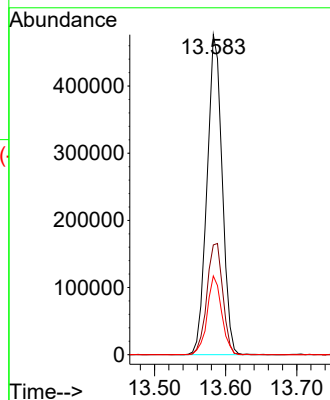
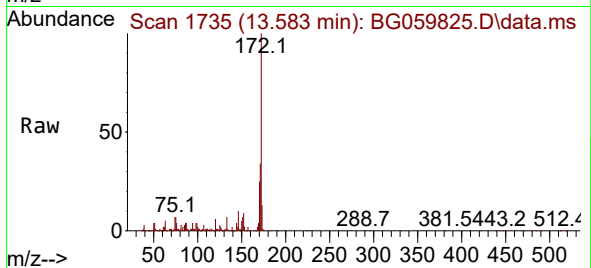




#45
2-Fluorobiphenyl
Concen: 100.911 ng
RT: 13.583 min Scan# 1735
Delta R.T. -0.013 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

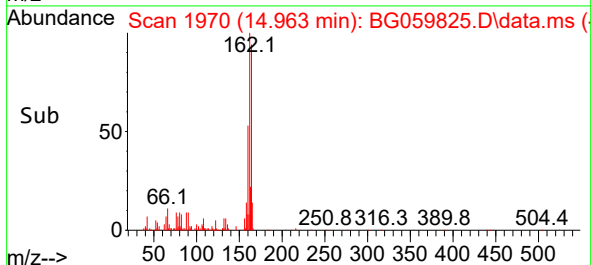
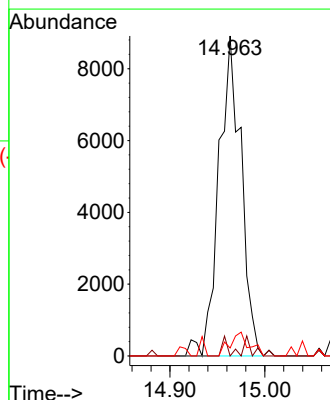
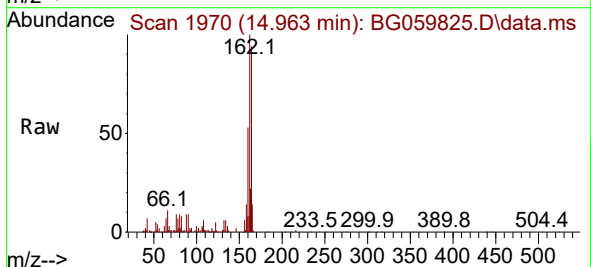
Instrument :
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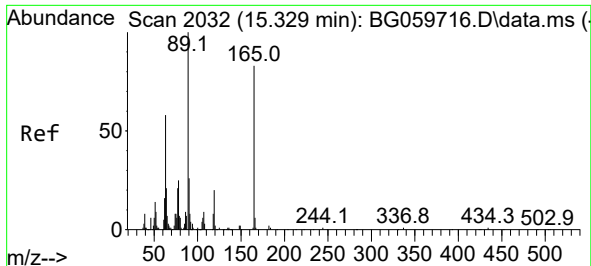
Tgt Ion:172 Resp: 707056
Ion Ratio Lower Upper
172 100
171 34.3 27.7 41.5
170 24.6 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 10.539 ng
RT: 14.963 min Scan# 1970
Delta R.T. 0.410 min
Lab File: BG059825.D
Acq: 22 Nov 2023 19:43

Tgt Ion:165 Resp: 14613
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 2.5 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 6.853 ng

RT: 14.963 min Scan# 14

Delta R.T. -0.366 min

Lab File: BG059825.D

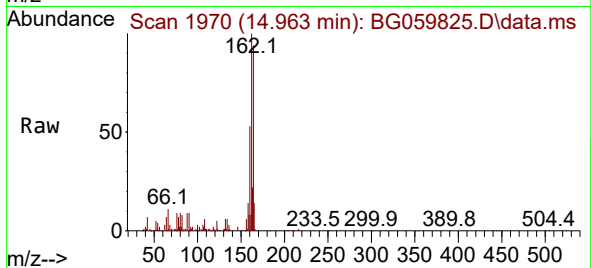
Acq: 22 Nov 2023 19:43

Instrument :

BNA_G

ClientSampleId :

SOIL-2-1115



Tgt Ion:165 Resp: 14613

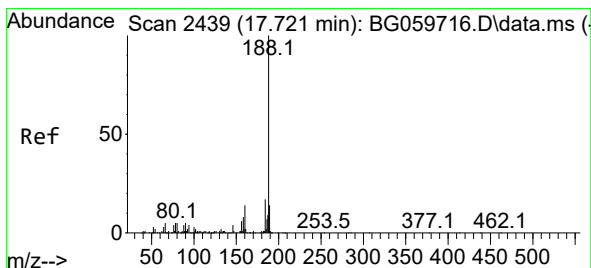
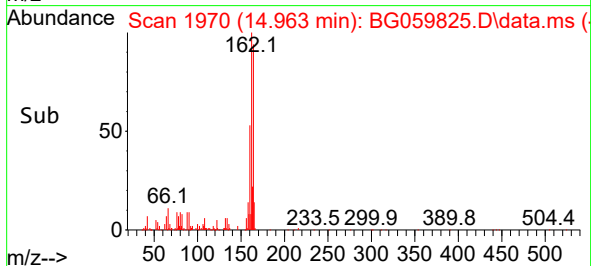
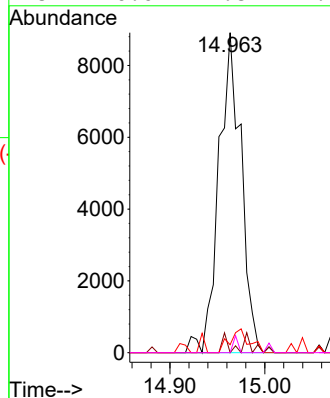
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 2.5 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: BG059825.D

Acq: 22 Nov 2023 19:43

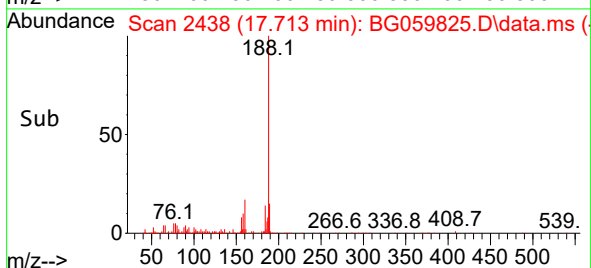
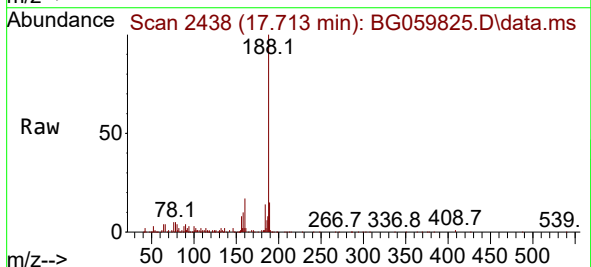
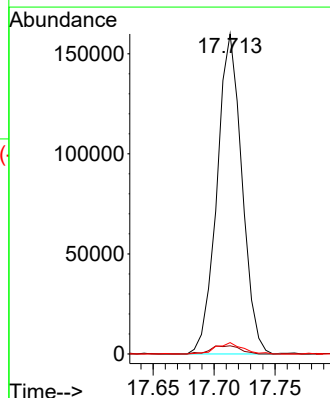
Tgt Ion:188 Resp: 227698

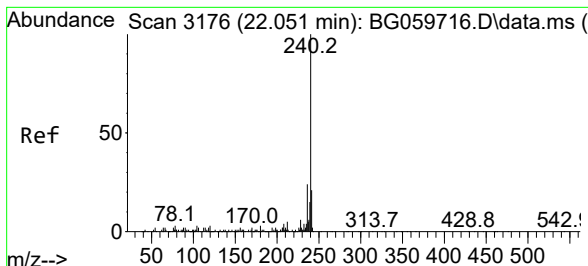
Ion Ratio Lower Upper

188 100

94 2.8 3.0 4.4#

80 3.6 4.2 6.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.037 min Scan# 3176

Delta R.T. -0.013 min

Lab File: BG059825.D

Acq: 22 Nov 2023 19:43

Instrument :

BNA_G

ClientSampleId :

SOIL-2-1115

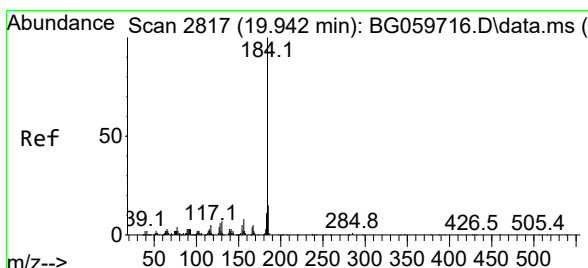
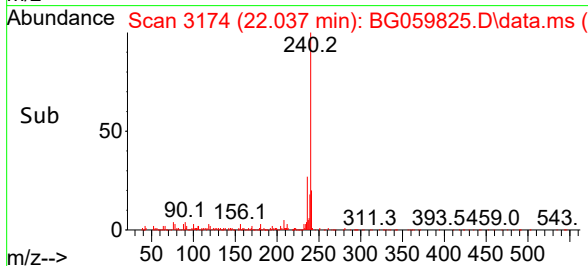
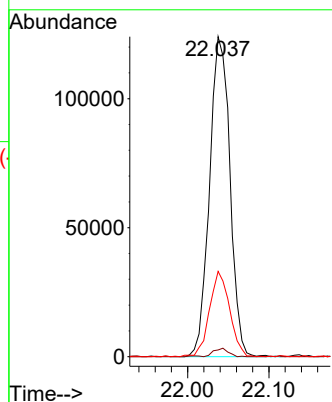
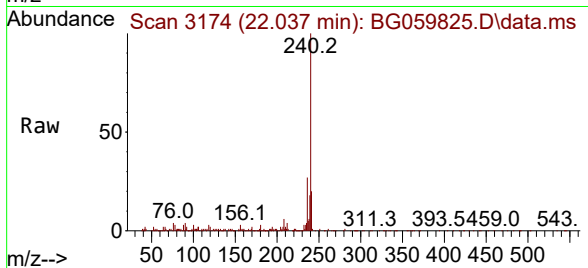
Tgt Ion:240 Resp: 216453

Ion Ratio Lower Upper

240 100

120 2.1 2.2 3.2#

236 26.6 19.4 29.2



#77

Benzidine

Concen: 6.358 ng

RT: 20.287 min Scan# 2876

Delta R.T. 0.345 min

Lab File: BG059825.D

Acq: 22 Nov 2023 19:43

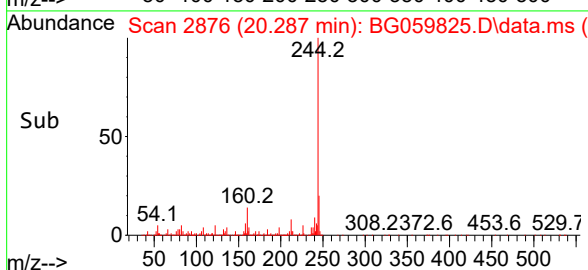
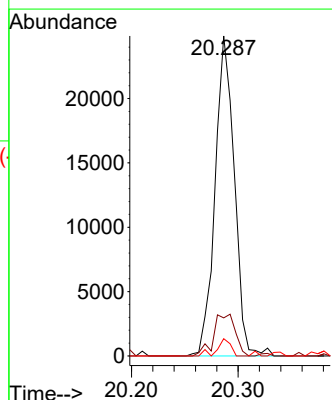
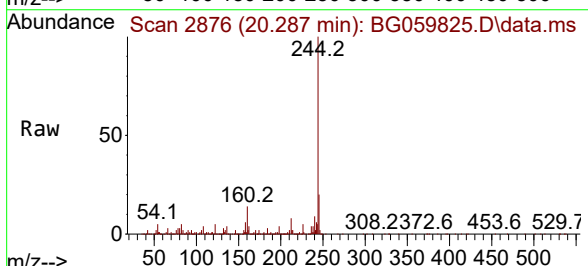
Tgt Ion:184 Resp: 31208

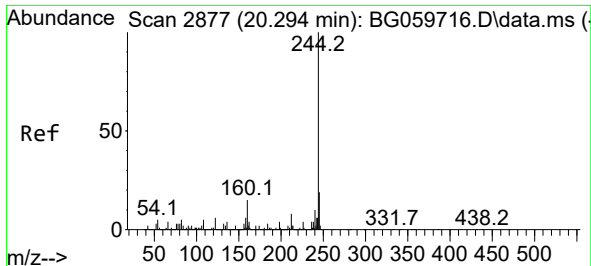
Ion Ratio Lower Upper

184 100

185 11.9 12.2 18.2#

183 5.4 8.8 13.2#

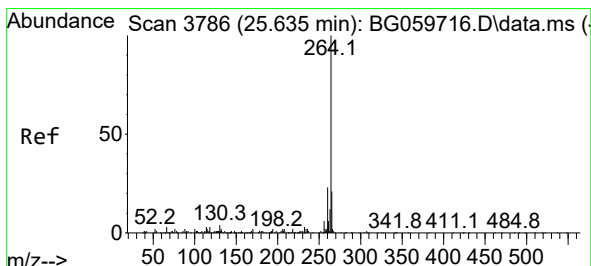
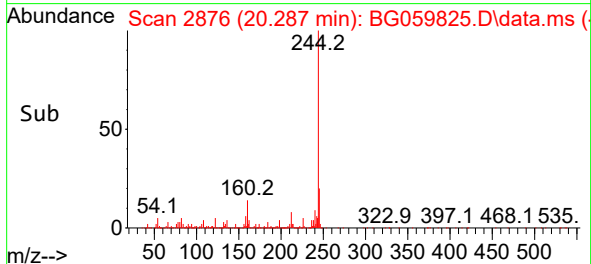
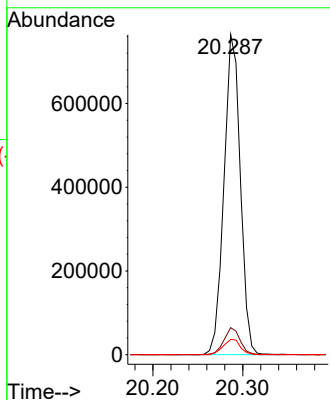
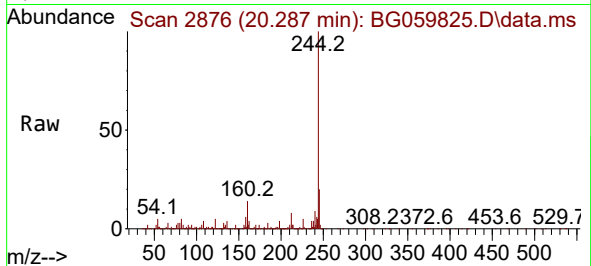




#79
 Terphenyl-d14
 Concen: 65.835 ng
 RT: 20.287 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG059825.D
 Acq: 22 Nov 2023 19:43

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2-1115

Tgt Ion:244 Resp: 965291
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.6 10.0
 122 4.8 4.4 6.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.633 min Scan# 3786
 Delta R.T. -0.002 min
 Lab File: BG059825.D
 Acq: 22 Nov 2023 19:43

Tgt Ion:264 Resp: 240311
 Ion Ratio Lower Upper
 264 100
 260 21.4 18.5 27.7
 265 19.2 17.0 25.6

