

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057778.D
 Acq On : 20 Jun 2023 16:12
 Operator : CG/JU
 Sample : 03262-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WS-SOIL1-0615

Quant Time: Jun 21 01:04:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

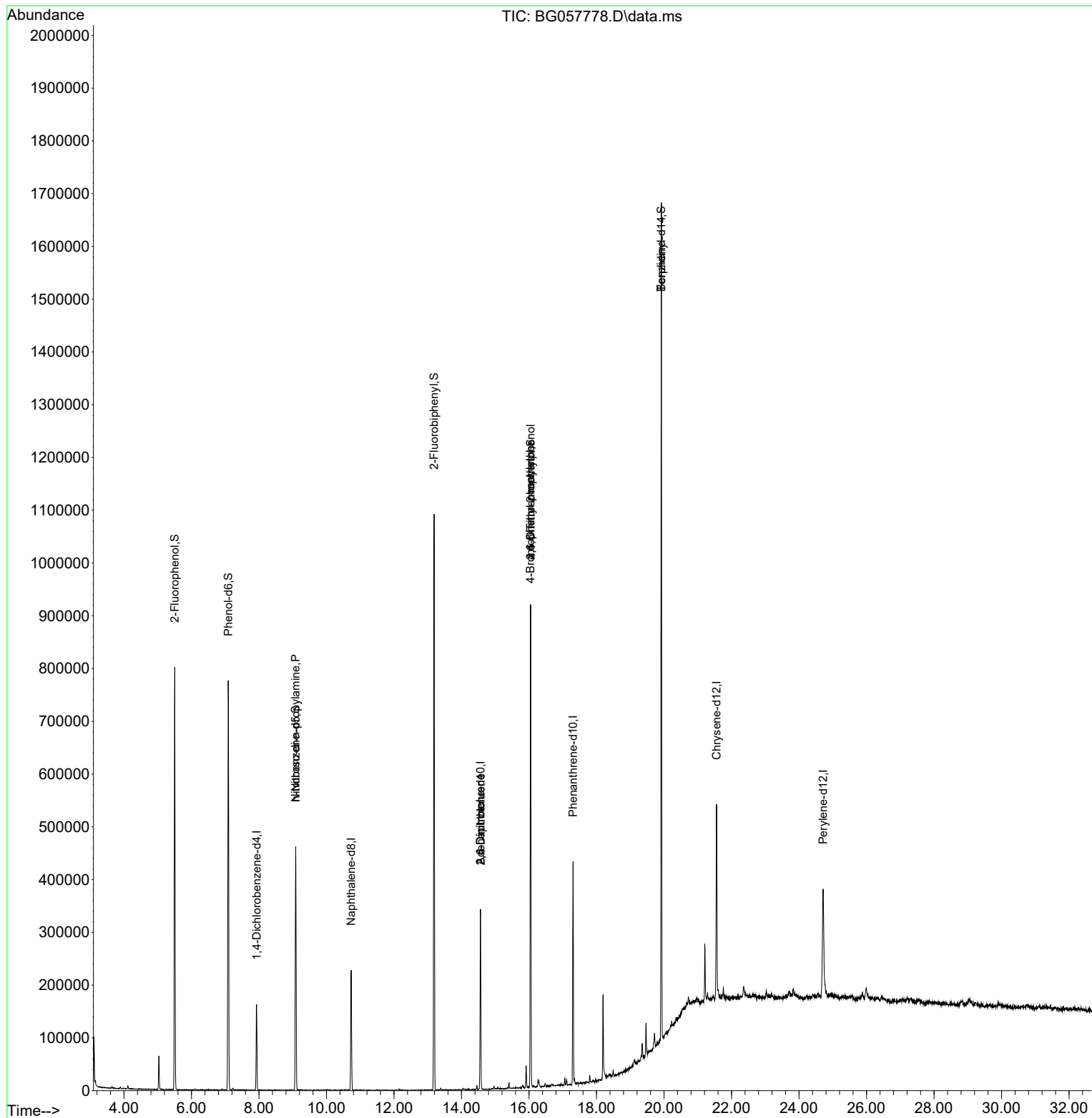
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	43147	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	185793	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	122946	20.000	ng	0.00
64) Phenanthrene-d10	17.306	188	265655	20.000	ng	0.00
76) Chrysene-d12	21.554	240	217097	20.000	ng	0.00
86) Perylene-d12	24.715	264	251074	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	318154	113.696	ng	0.00
7) Phenol-d6	7.089	99	447102	104.713	ng	0.00
23) Nitrobenzene-d5	9.087	82	268059	74.049	ng	0.00
42) 2,4,6-Tribromophenol	16.049	330	184371	107.654	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	570783	70.416	ng	0.00
79) Terphenyl-d14	19.921	244	796551	68.417	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.087	70	33933	11.399	ng	Qvalue
51) 2,6-Dinitrotoluene	14.563	165	16632	9.565	ng	# 80
57) 2,4-Dinitrotoluene	14.563	165	16632	7.053	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.049	198	299	5.530	ng	# 1
67) 4-Bromophenyl-phenylether	16.043	248	11771	4.178	ng	# 1
77) Benzidine	19.921	184	12357	2.428	ng	# 95

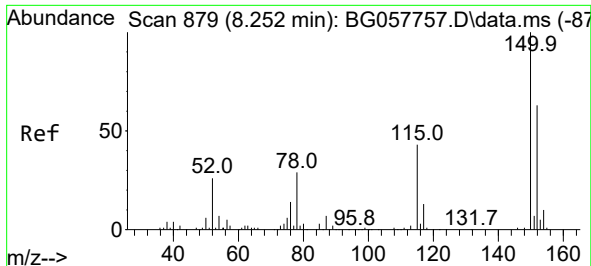
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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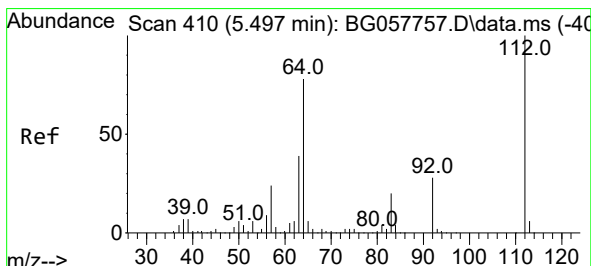
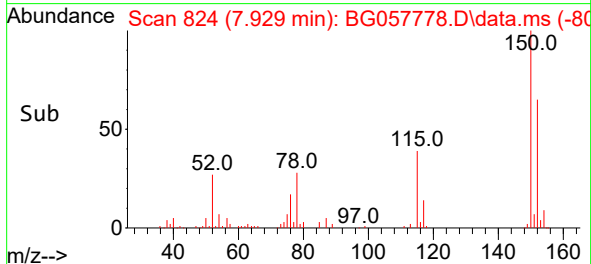
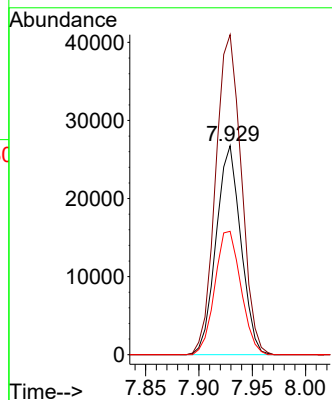
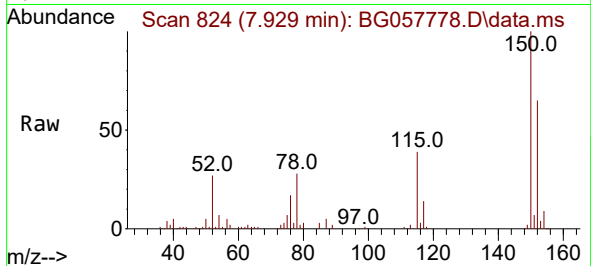




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

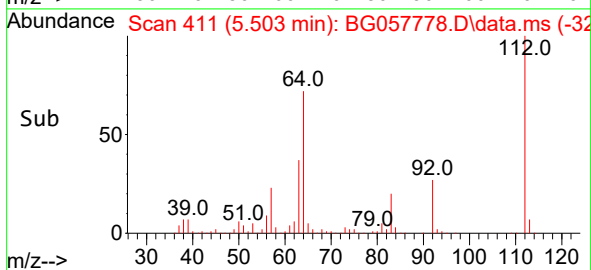
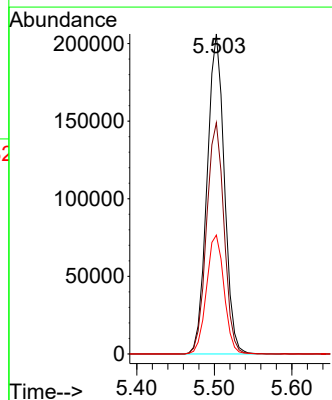
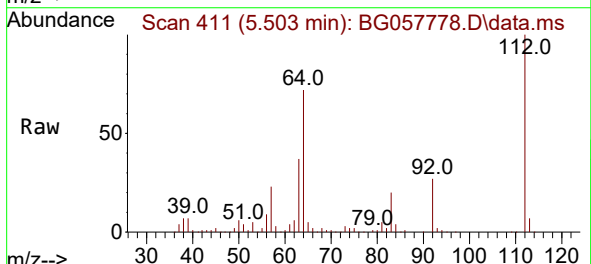
Instrument :
BNA_G
ClientSampleId :
WS-SOIL1-0615

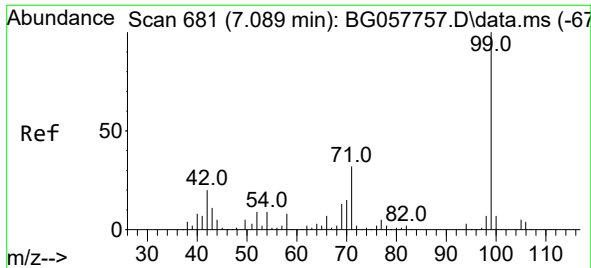
Tgt Ion:152 Resp: 43147
Ion Ratio Lower Upper
152 100
150 153.2 126.6 189.8
115 59.1 48.9 73.3



#5
2-Fluorophenol
Concen: 113.696 ng
RT: 5.503 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

Tgt Ion:112 Resp: 318154
Ion Ratio Lower Upper
112 100
64 72.2 62.1 93.1
63 37.2 31.5 47.3

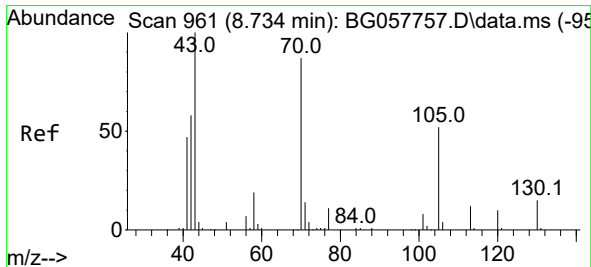
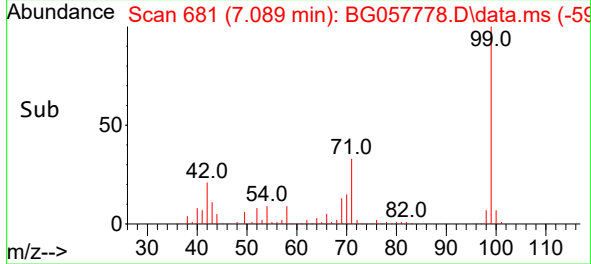
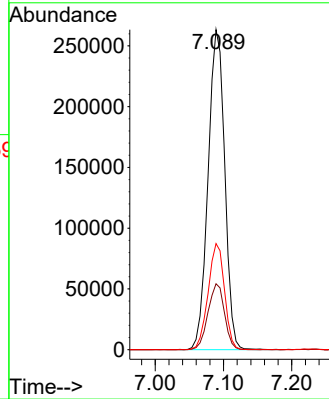
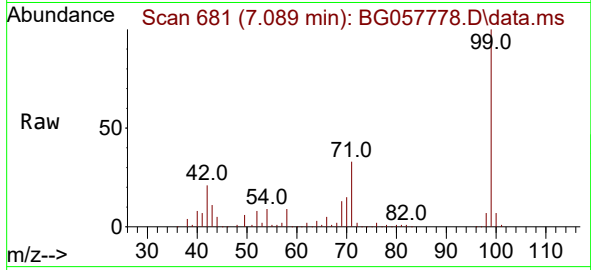




#7
Phenol-d6
Concen: 104.713 ng
RT: 7.089 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

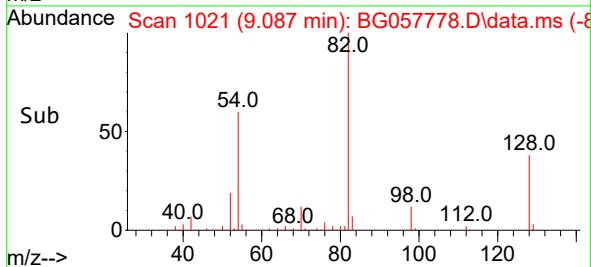
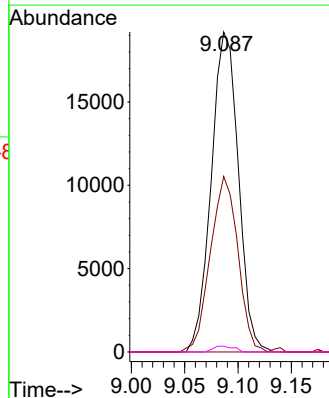
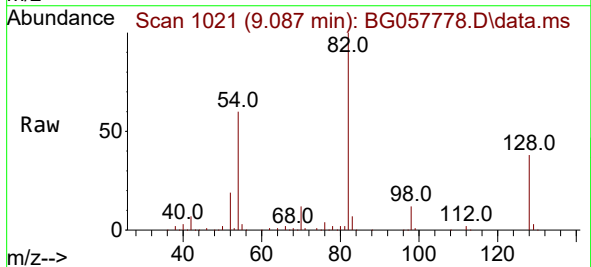
Instrument :
BNA_G
ClientSampleId :
WS-SOIL1-0615

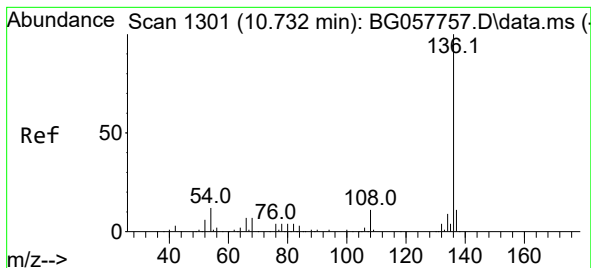
Tgt Ion: 99 Resp: 447102
Ion Ratio Lower Upper
99 100
42 20.6 16.4 24.6
71 33.2 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.399 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.353 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

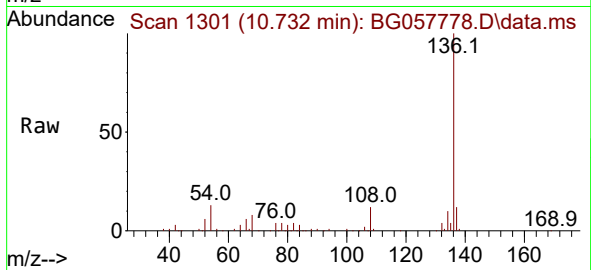
Tgt Ion: 70 Resp: 33933
Ion Ratio Lower Upper
70 100
42 54.9 54.2 81.2
101 0.0 7.4 11.0#
130 1.8 13.4 20.0#



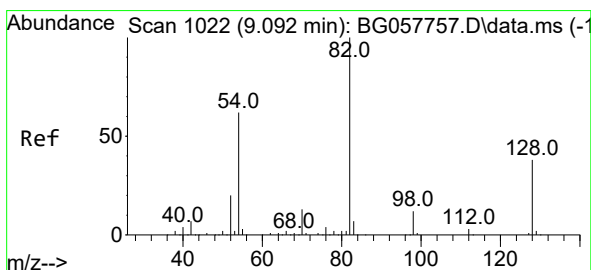
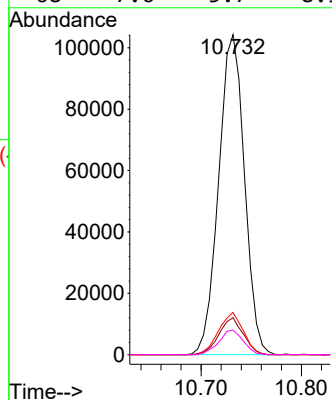
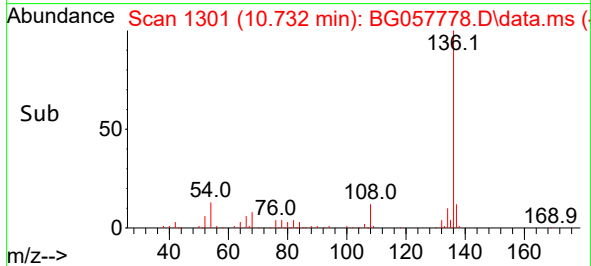


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

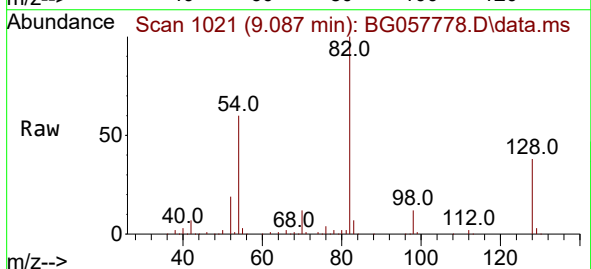
Instrument :
BNA_G
ClientSampleId :
WS-SOIL1-0615



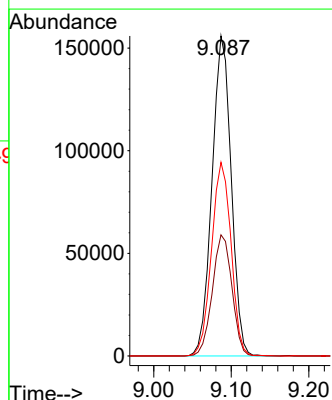
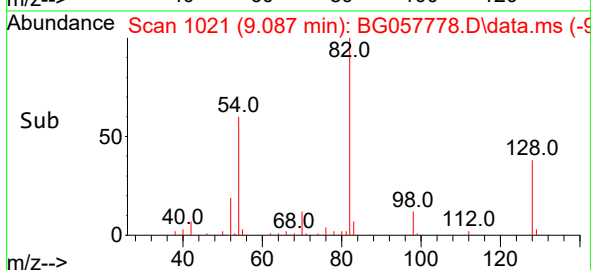
Tgt Ion:136 Resp: 185793
Ion Ratio Lower Upper
136 100
137 11.6 8.5 12.7
54 13.2 9.5 14.3
68 7.6 5.7 8.5

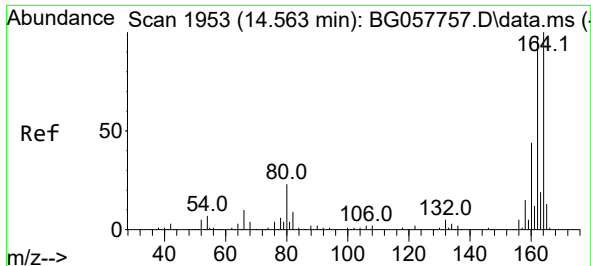


#23
Nitrobenzene-d5
Concen: 74.049 ng
RT: 9.087 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12



Tgt Ion: 82 Resp: 268059
Ion Ratio Lower Upper
82 100
128 37.9 30.7 46.1
54 60.5 49.6 74.4

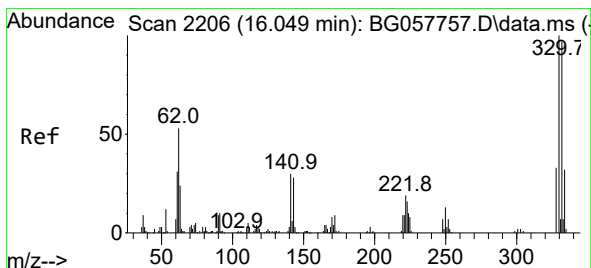
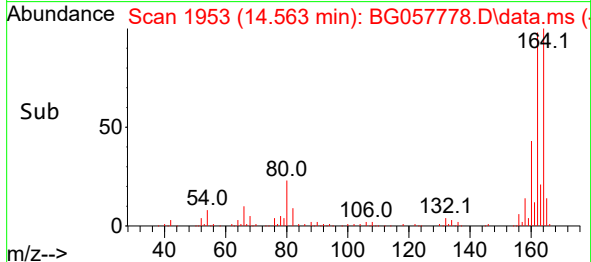
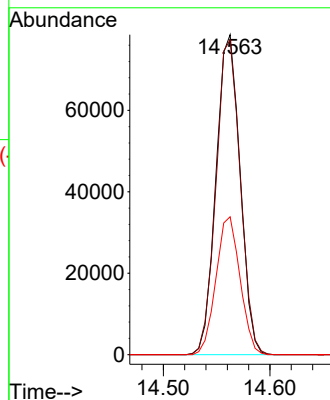
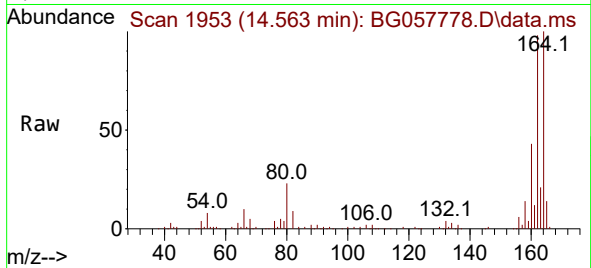




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

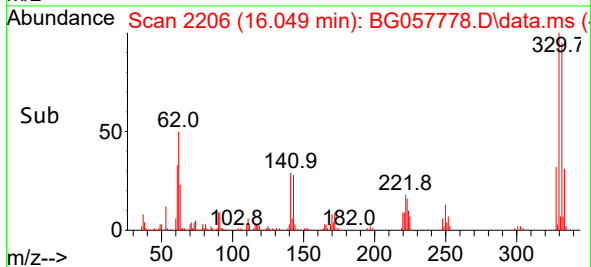
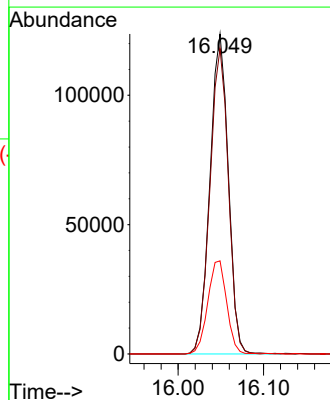
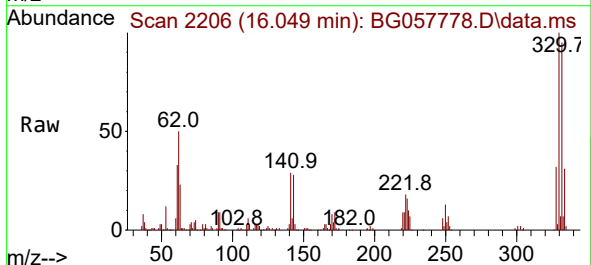
Instrument :
BNA_G
ClientSampleId :
WS-SOIL1-0615

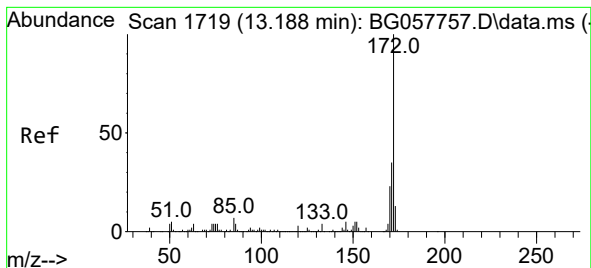
Tgt Ion:164 Resp: 122946
Ion Ratio Lower Upper
164 100
162 98.4 78.3 117.5
160 43.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 107.654 ng
RT: 16.049 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

Tgt Ion:330 Resp: 184371
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 30.1 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 70.416 ng

RT: 13.188 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG057778.D

Acq: 20 Jun 2023 16:12

Instrument :

BNA_G

ClientSampleId :

WS-SOIL1-0615

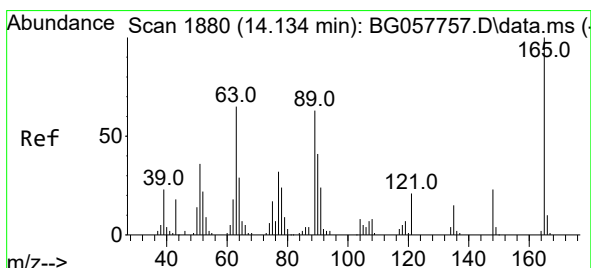
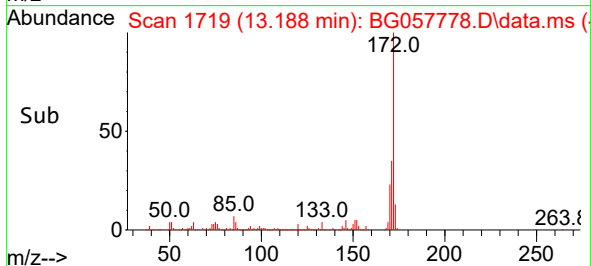
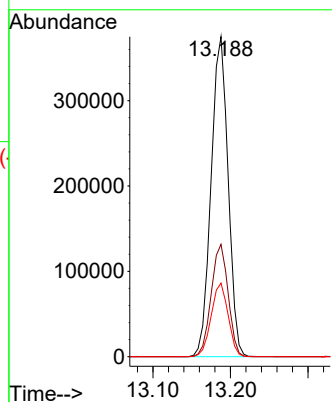
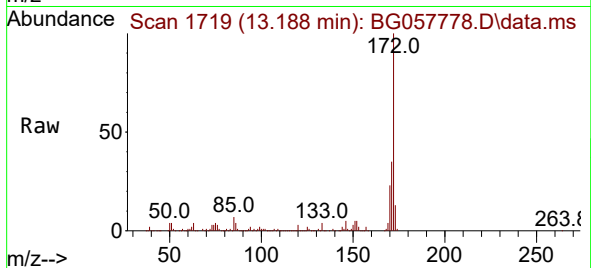
Tgt Ion:172 Resp: 570783

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.0 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.565 ng

RT: 14.563 min Scan# 1953

Delta R.T. 0.429 min

Lab File: BG057778.D

Acq: 20 Jun 2023 16:12

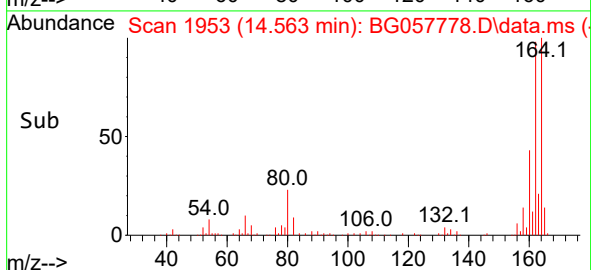
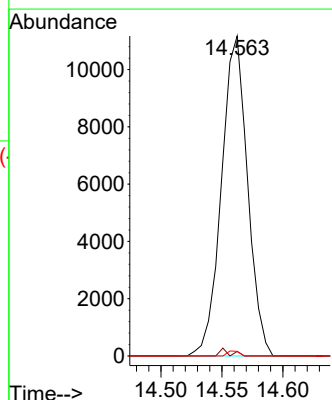
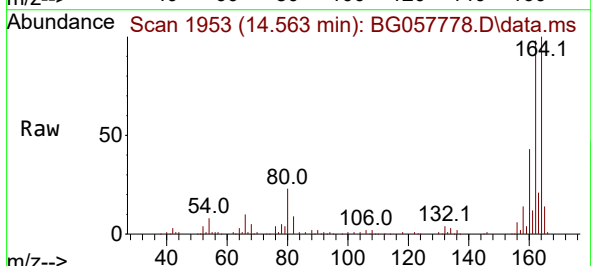
Tgt Ion:165 Resp: 16632

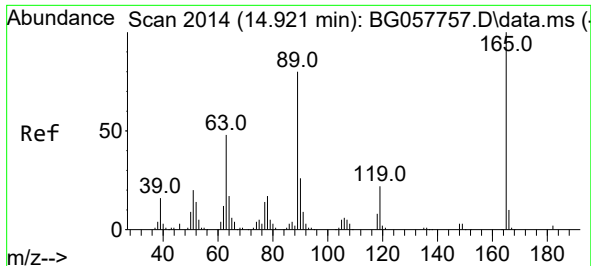
Ion Ratio Lower Upper

165 100

63 1.4 52.8 79.2#

89 1.4 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 7.053 ng

RT: 14.563 min Scan# 1953

Delta R.T. -0.358 min

Lab File: BG057778.D

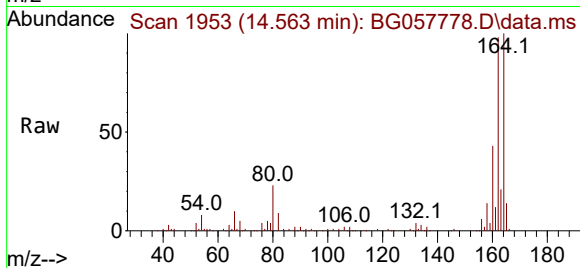
Acq: 20 Jun 2023 16:12

Instrument :

BNA_G

ClientSampleId :

WS-SOIL1-0615



Tgt Ion:165 Resp: 16632

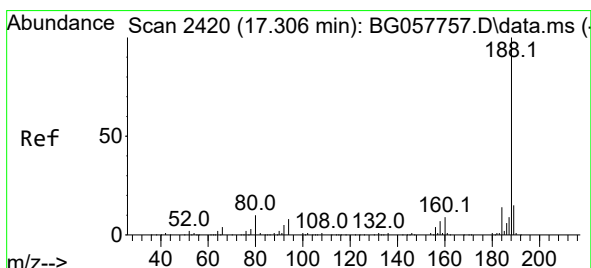
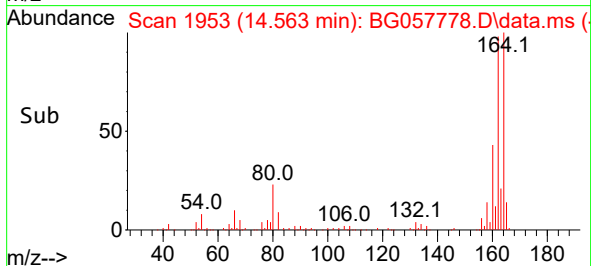
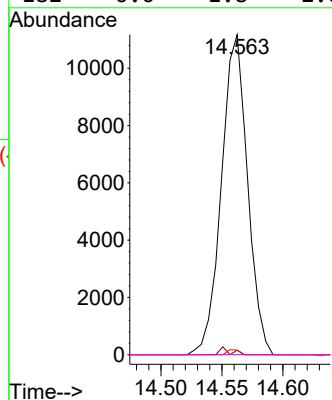
Ion Ratio Lower Upper

165 100

63 1.4 38.6 58.0#

89 1.4 63.7 95.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2420

Delta R.T. -0.000 min

Lab File: BG057778.D

Acq: 20 Jun 2023 16:12

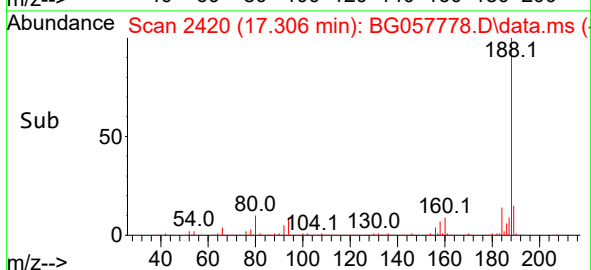
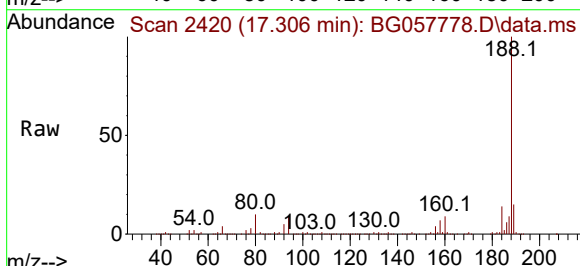
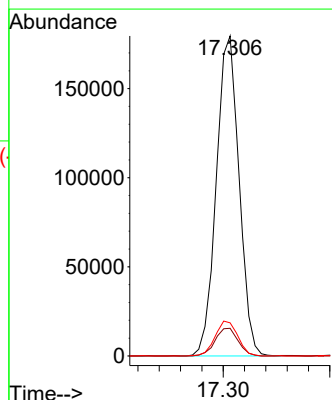
Tgt Ion:188 Resp: 265655

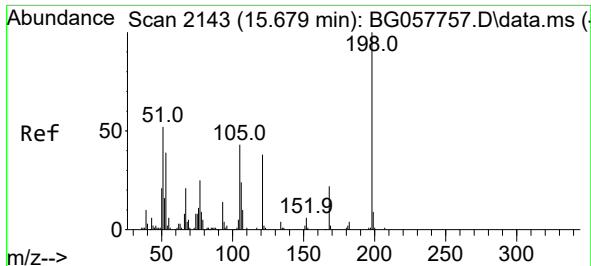
Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 10.4 7.6 11.4

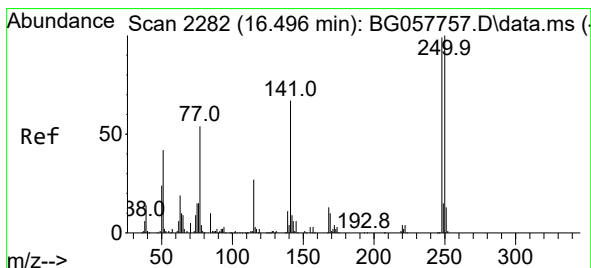
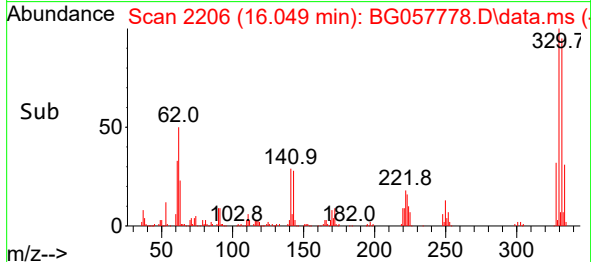
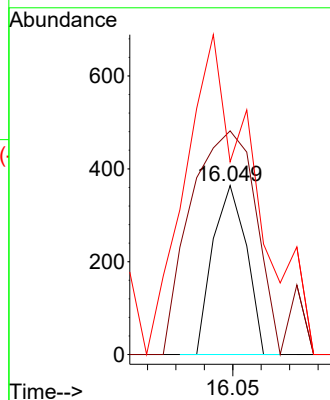
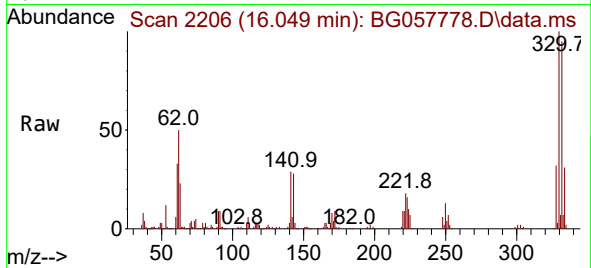




#65
4,6-Dinitro-2-methylphenol
Concen: 5.530 ng
RT: 16.049 min Scan# 2143
Delta R.T. 0.370 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

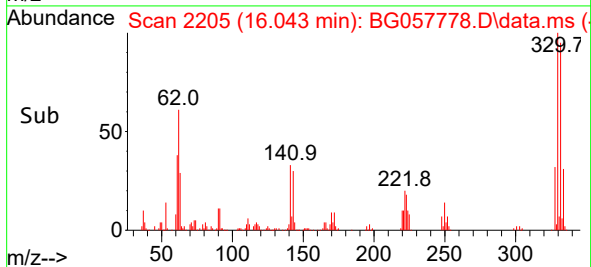
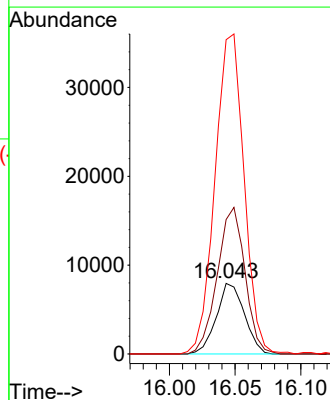
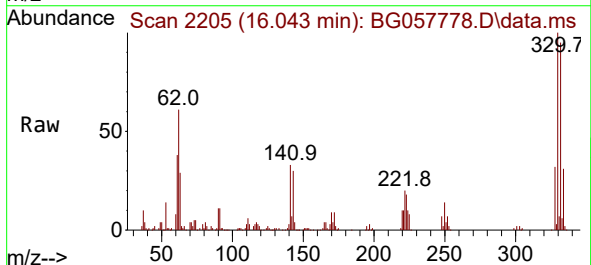
Instrument :
BNA_G
ClientSampleId :
WS-SOIL1-0615

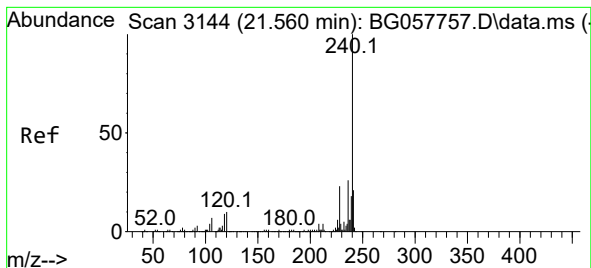
Tgt Ion:198 Resp: 299
Ion Ratio Lower Upper
198 100
51 132.4 36.6 76.6#
105 114.0 24.3 64.3#



#67
4-Bromophenyl-phenylether
Concen: 4.178 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.452 min
Lab File: BG057778.D
Acq: 20 Jun 2023 16:12

Tgt Ion:248 Resp: 11771
Ion Ratio Lower Upper
248 100
250 190.4 81.1 121.7#
141 445.0 54.6 81.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.554 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG057778.D

Acq: 20 Jun 2023 16:12

Instrument :

BNA_G

ClientSampleId :

WS-SOIL1-0615

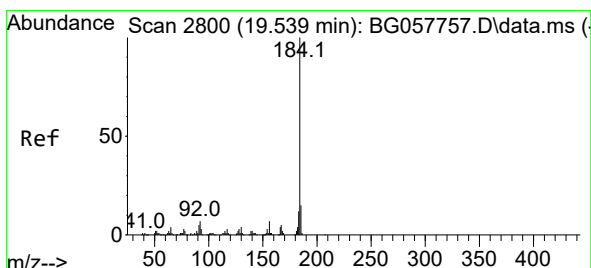
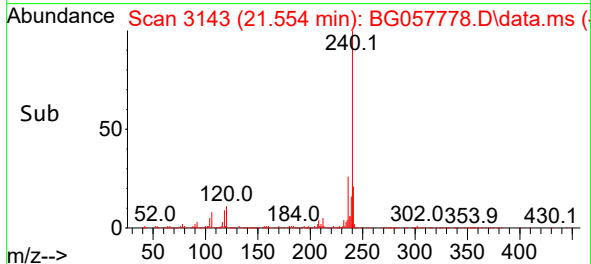
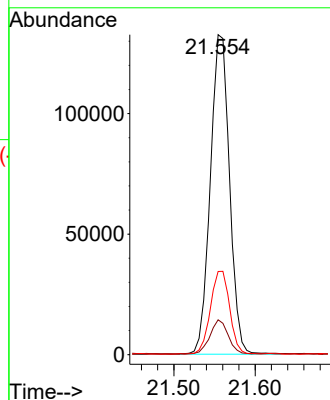
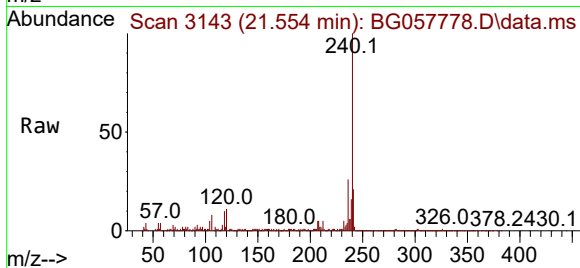
Tgt Ion:240 Resp: 217097

Ion Ratio Lower Upper

240 100

120 10.9 8.1 12.1

236 26.0 20.6 30.8



#77

Benzidine

Concen: 2.428 ng

RT: 19.921 min Scan# 2865

Delta R.T. 0.382 min

Lab File: BG057778.D

Acq: 20 Jun 2023 16:12

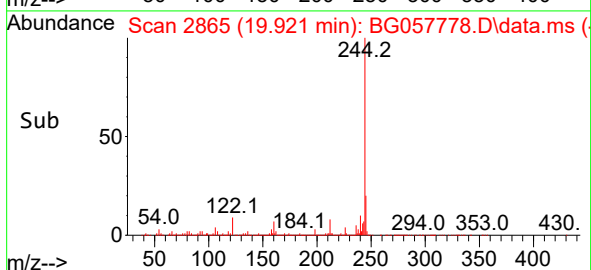
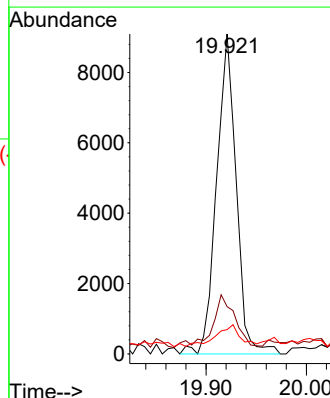
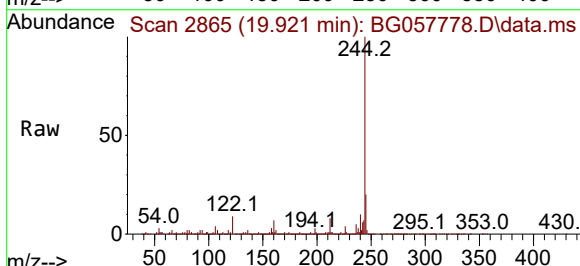
Tgt Ion:184 Resp: 12357

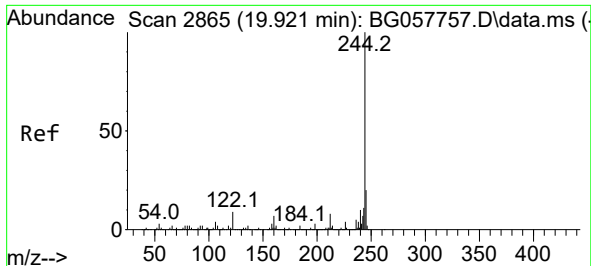
Ion Ratio Lower Upper

184 100

185 14.8 12.0 18.0

183 7.6 9.4 14.0#

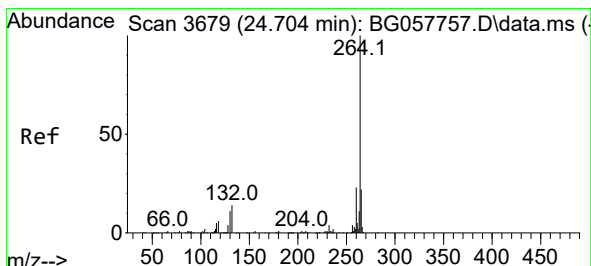
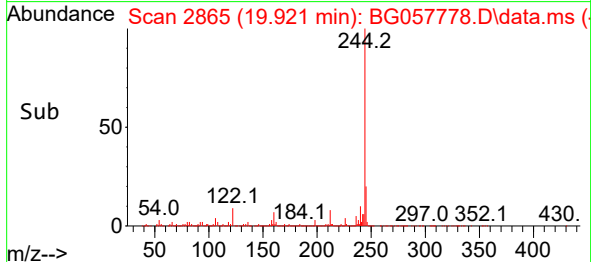
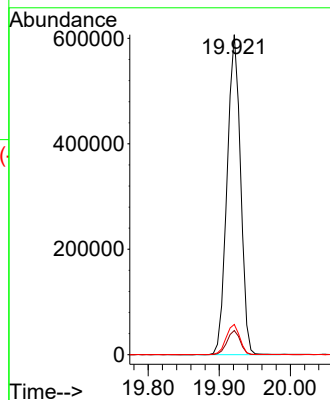
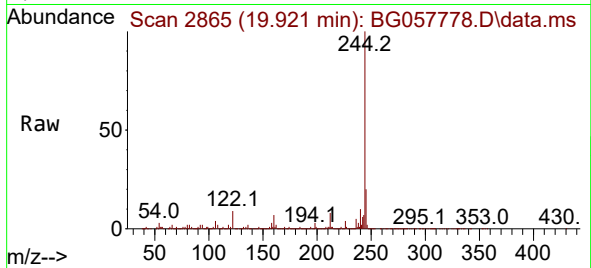




#79
 Terphenyl-d14
 Concen: 68.417 ng
 RT: 19.921 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG057778.D
 Acq: 20 Jun 2023 16:12

Instrument :
 BNA_G
 ClientSampleId :
 WS-SOIL1-0615

Tgt Ion:244 Resp: 796551
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 9.5 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.715 min Scan# 3681
 Delta R.T. 0.012 min
 Lab File: BG057778.D
 Acq: 20 Jun 2023 16:12

Tgt Ion:264 Resp: 251074
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.4 17.4 26.2

