

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040424\
 Data File : BG060784.D
 Acq On : 4 Apr 2024 18:56
 Operator : MA/JU
 Sample : P1974-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1

Quant Time: Apr 05 01:16:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

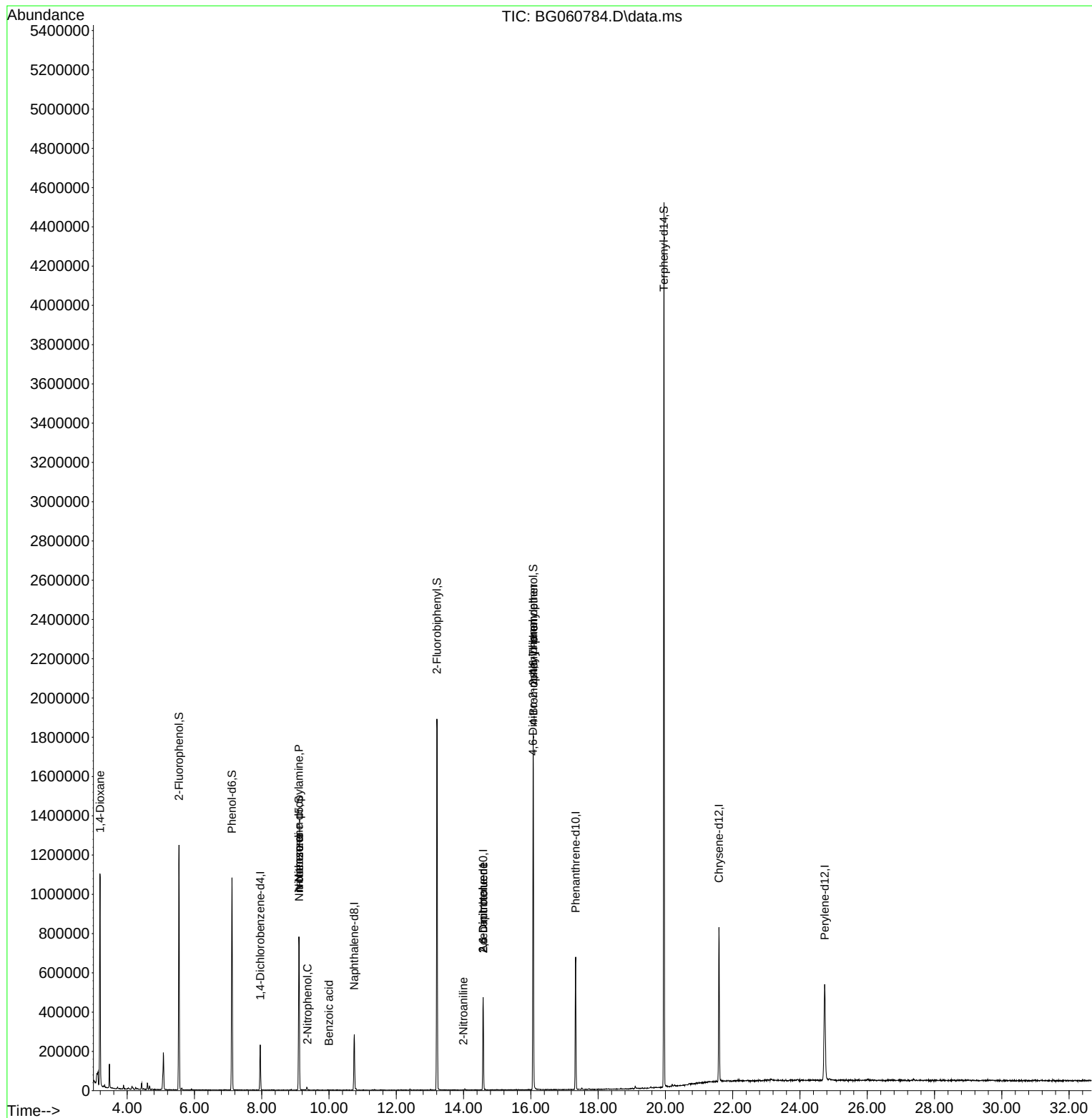
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	60242	20.000	ng	0.00
21) Naphthalene-d8	10.751	136	228690	20.000	ng	0.00
39) Acenaphthene-d10	14.582	164	168430	20.000	ng	0.00
64) Phenanthrene-d10	17.332	188	436934	20.000	ng	0.00
76) Chrysene-d12	21.591	240	464380	20.000	ng	-0.01
86) Perylene-d12	24.735	264	548291	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	474507	131.217	ng	0.00
7) Phenol-d6	7.114	99	552663	102.958	ng	0.00
23) Nitrobenzene-d5	9.106	82	435520	108.669	ng	0.00
42) 2,4,6-Tribromophenol	16.069	330	355800	186.092	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1012385	88.215	ng	-0.01
79) Terphenyl-d14	19.958	244	2285134	86.648	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.195	88	7964	5.372	ng	# 1
19) n-Nitroso-di-n-propyla...	9.106	70	59245	14.473	ng	# 76
24) Nitrobenzene	9.112	77	1529	3.096	ng	# 45
26) 2-Nitrophenol	9.359	139	67	3.007	ng	# 31
32) Benzoic acid	9.999	122	79	6.864	ng	# 1
48) 2-Nitroaniline	13.994	65	68	2.815	ng	# 11
51) 2,6-Dinitrotoluene	14.582	165	21717	11.942	ng	# 18
57) 2,4-Dinitrotoluene	14.582	165	21717	10.052	ng	# 19
65) 4,6-Dinitro-2-methylph...	16.063	198	1036	7.524	ng	# 1
67) 4-Bromophenyl-phenylether	16.074	248	24259	5.471	ng	# 1

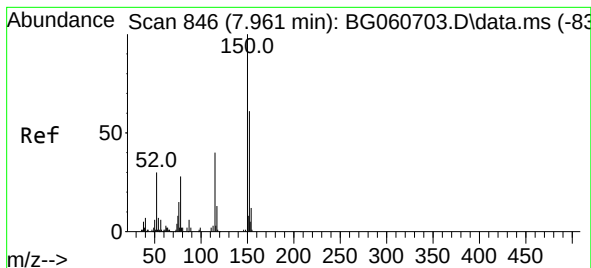
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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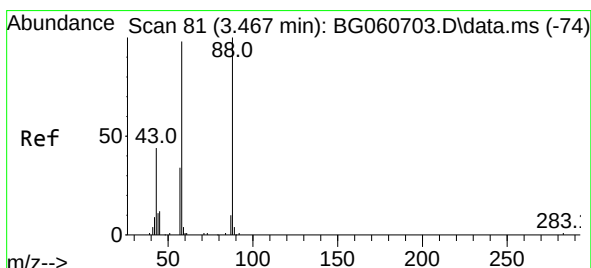
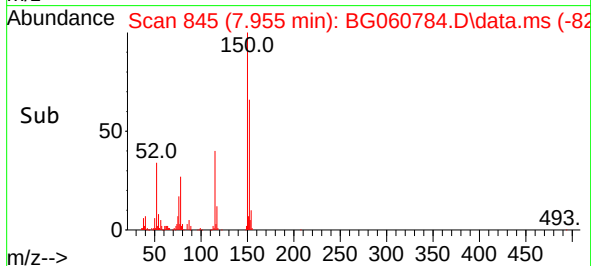
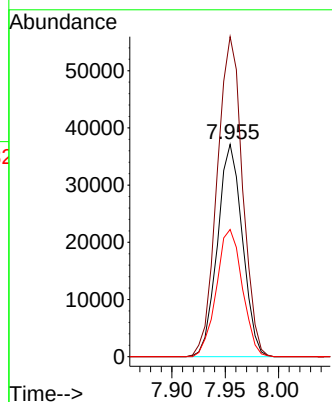
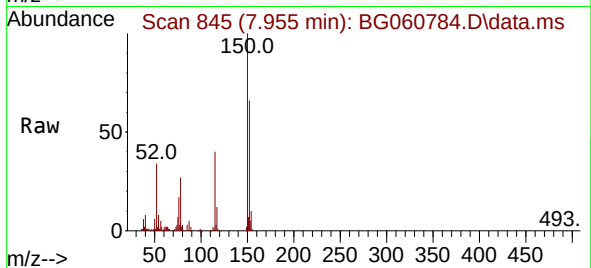




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.955 min Scan# 84
 Delta R.T. -0.006 min
 Lab File: BG060784.D
 Acq: 4 Apr 2024 18:56

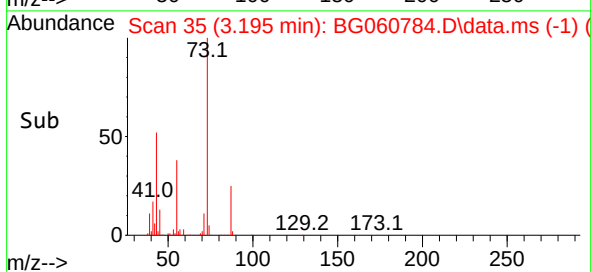
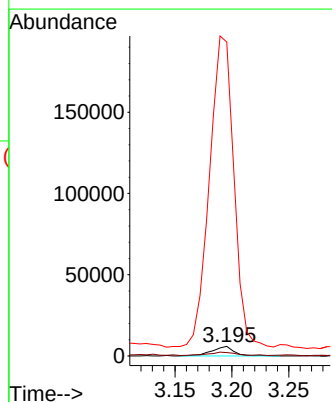
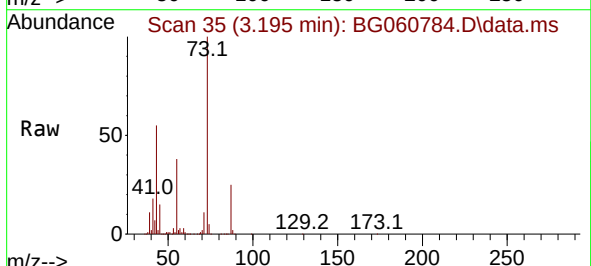
Instrument :
 BNA_G
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 SOIL-1

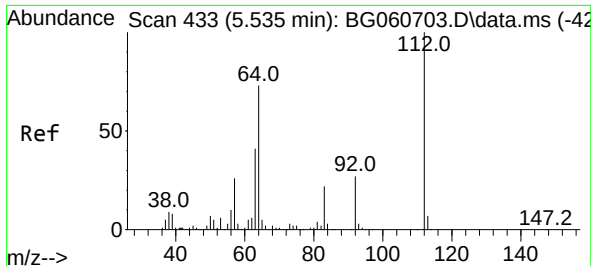
Tgt Ion:152 Resp: 60242
 Ion Ratio Lower Upper
 152 100
 150 150.7 130.2 195.4
 115 59.9 51.6 77.4



#2
 1,4-Dioxane
 Concen: 5.372 ng
 RT: 3.195 min Scan# 35
 Delta R.T. -0.271 min
 Lab File: BG060784.D
 Acq: 4 Apr 2024 18:56

Tgt Ion: 88 Resp: 7964
 Ion Ratio Lower Upper
 88 100
 58 37.4 80.9 121.3#
 43 3583.7 35.4 53.0#

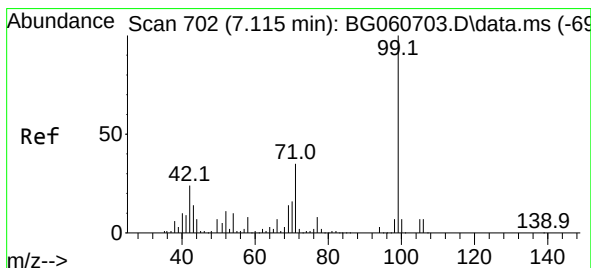
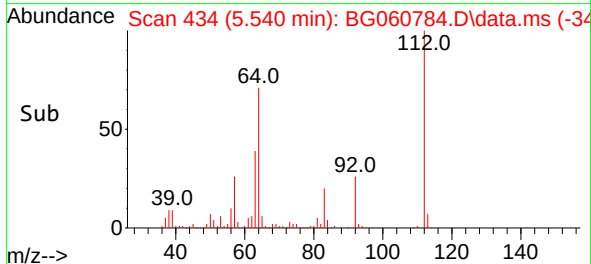
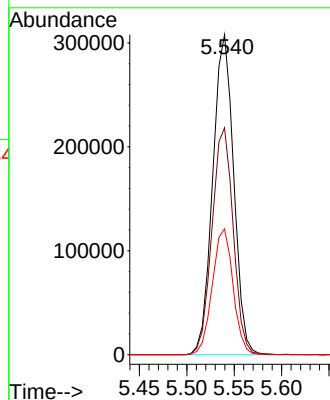
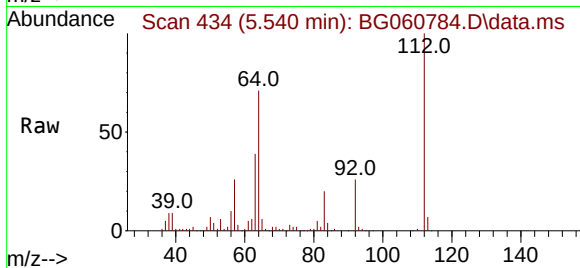




#5
2-Fluorophenol
Concen: 131.217 ng
RT: 5.540 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

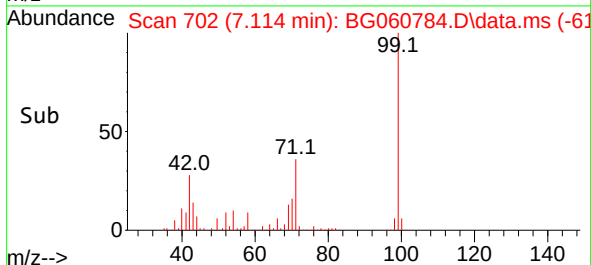
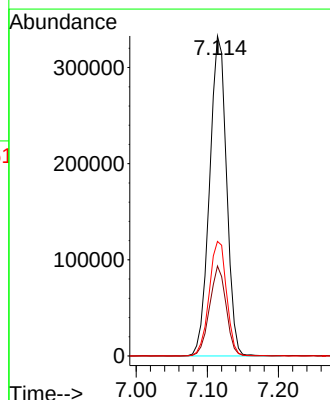
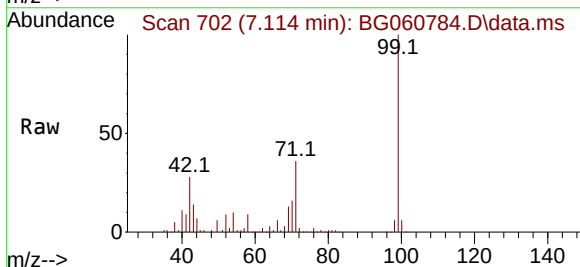
Instrument :
BNA_G
ClientSampleId :
SOIL-1

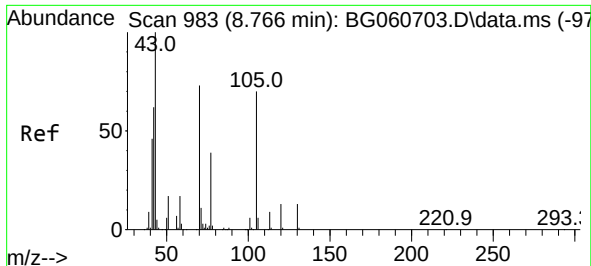
Tgt Ion:112 Resp: 474507
Ion Ratio Lower Upper
112 100
64 70.9 58.4 87.6
63 39.3 32.7 49.1



#7
Phenol-d6
Concen: 102.958 ng
RT: 7.114 min Scan# 702
Delta R.T. -0.001 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion: 99 Resp: 552663
Ion Ratio Lower Upper
99 100
42 28.1 19.4 29.2
71 35.8 28.2 42.2

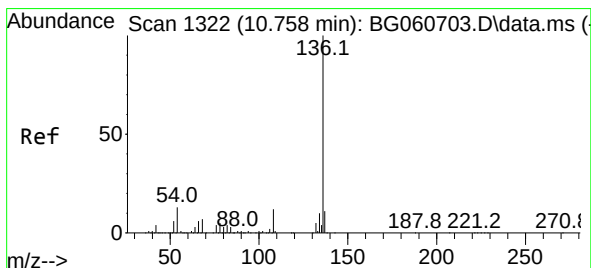
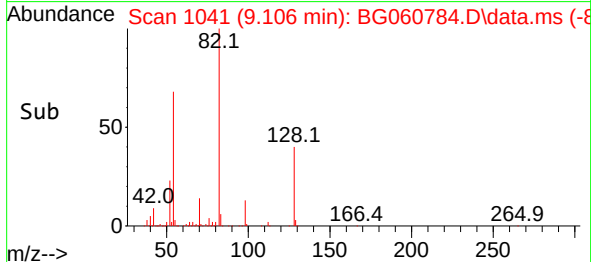
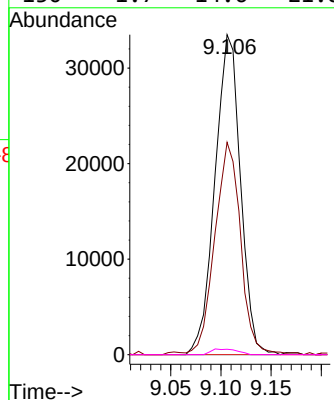
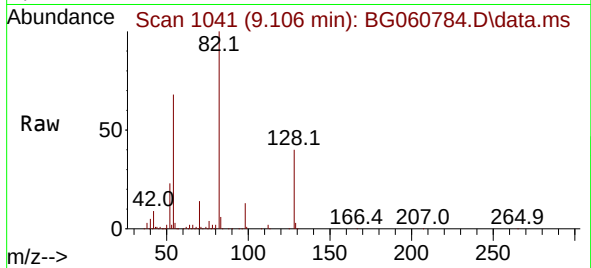




#19
n-Nitroso-di-n-propylamine
Concen: 14.473 ng
RT: 9.106 min Scan# 1041
Delta R.T. 0.340 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

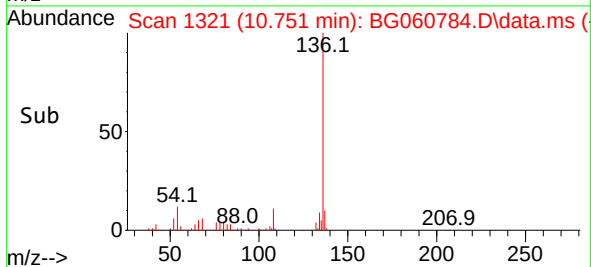
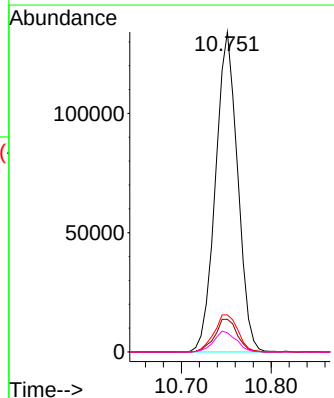
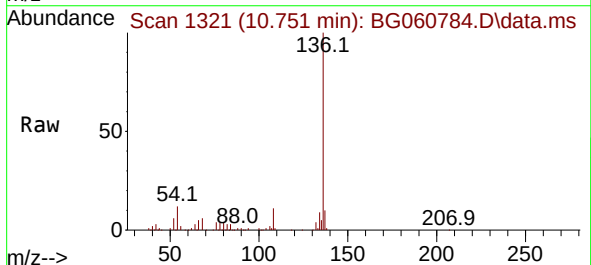
Instrument :
BNA_G
ClientSampleId :
SOIL-1

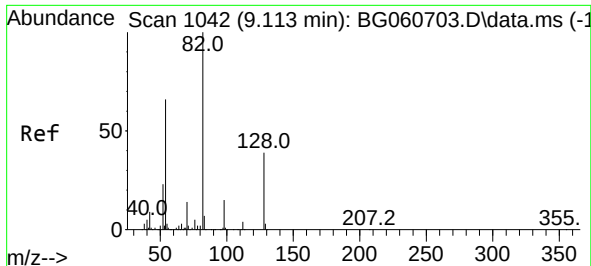
Tgt Ion: 70 Resp: 59245
Ion Ratio Lower Upper
70 100
42 66.3 68.4 102.6#
101 0.0 6.1 9.1#
130 1.7 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.751 min Scan# 1321
Delta R.T. -0.007 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion: 136 Resp: 228690
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 11.6 10.2 15.2
68 6.0 5.2 7.8

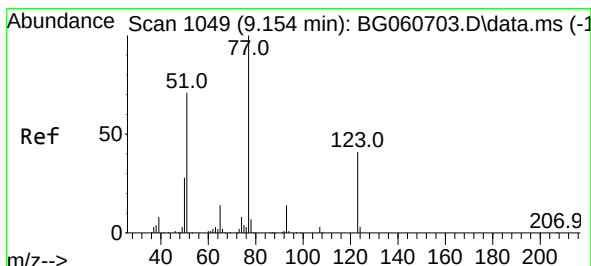
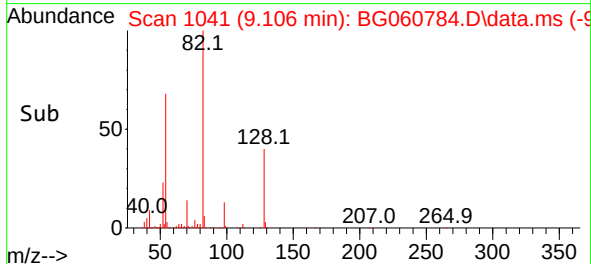
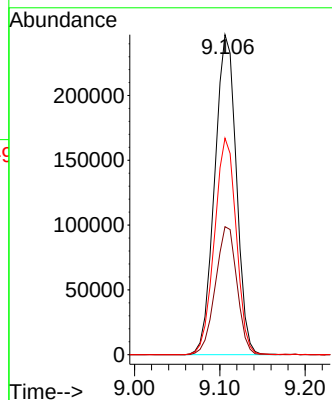
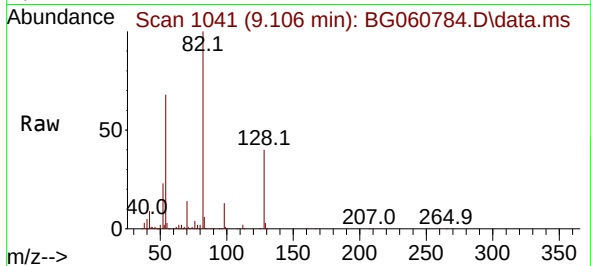




#23
Nitrobenzene-d5
Concen: 108.669 ng
RT: 9.106 min Scan# 1041
Delta R.T. -0.007 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

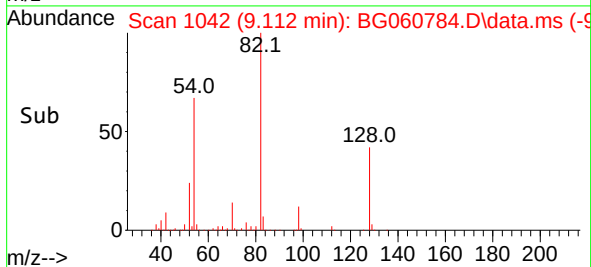
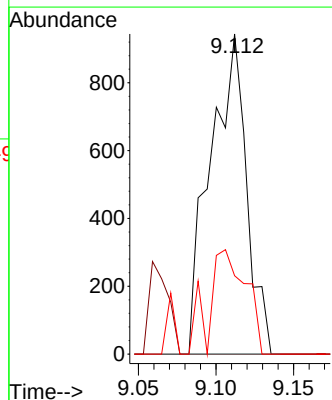
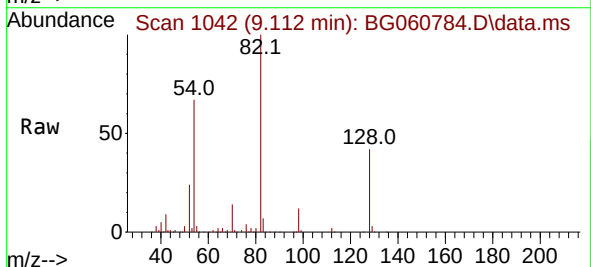
Instrument :
BNA_G
ClientSampleId :
SOIL-1

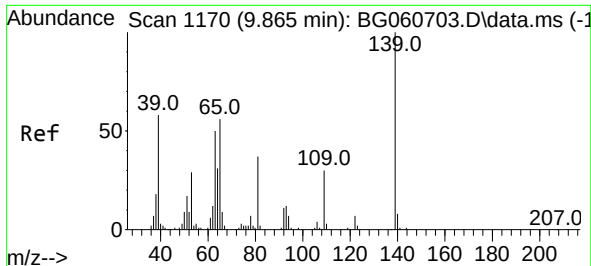
Tgt Ion: 82 Resp: 435520
Ion Ratio Lower Upper
82 100
128 40.0 31.2 46.8
54 67.6 53.2 79.8



#24
Nitrobenzene
Concen: 3.096 ng
RT: 9.112 min Scan# 1042
Delta R.T. -0.042 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion: 77 Resp: 1529
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 24.5 11.3 16.9#

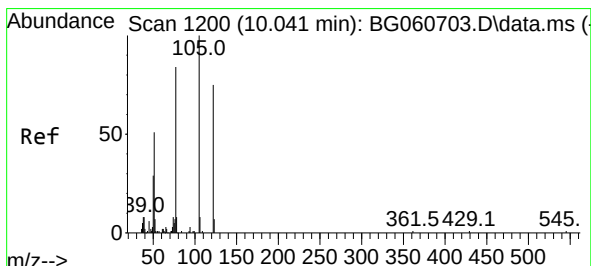
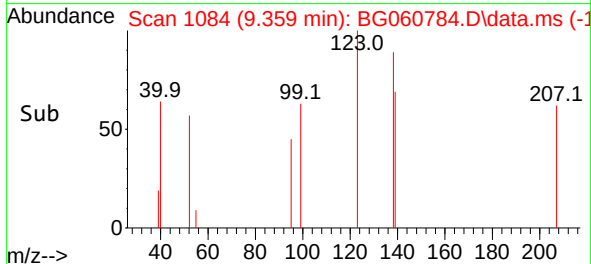
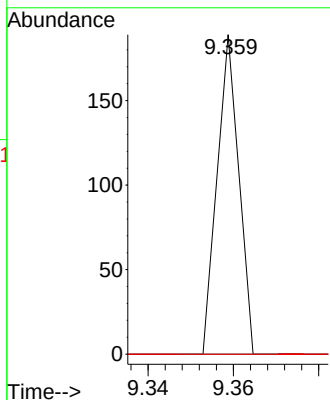
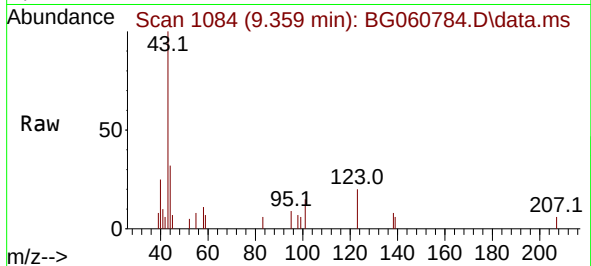




#26
2-Nitrophenol
Concen: 3.007 ng
RT: 9.359 min Scan# 1193
Delta R.T. -0.506 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

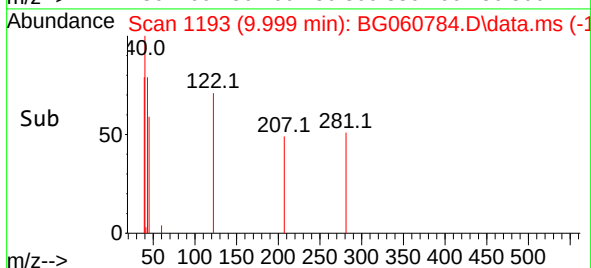
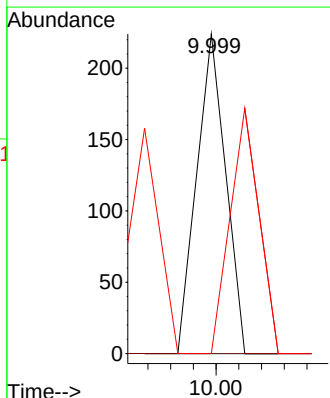
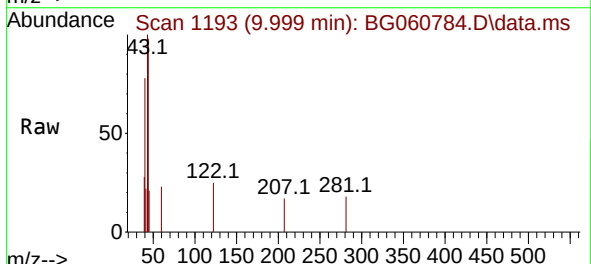
Instrument :
BNA_G
ClientSampleId :
SOIL-1

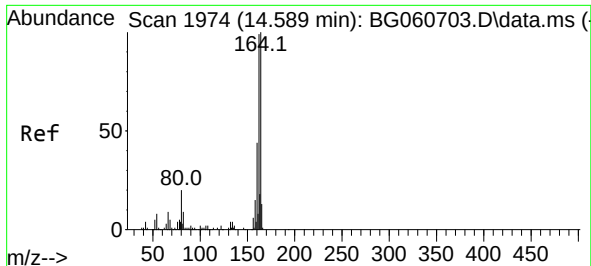
Tgt Ion:139 Resp: 67
Ion Ratio Lower Upper
139 100
109 0.0 23.9 35.9#
65 0.0 44.5 66.7#



#32
Benzoic acid
Concen: 6.864 ng
RT: 9.999 min Scan# 1193
Delta R.T. -0.042 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion:122 Resp: 79
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#

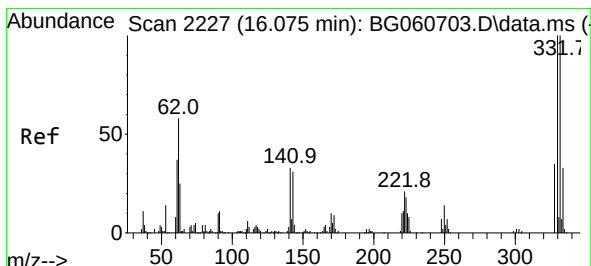
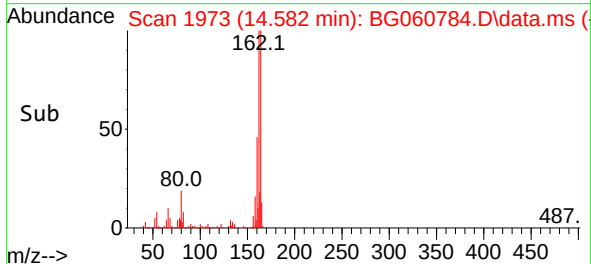
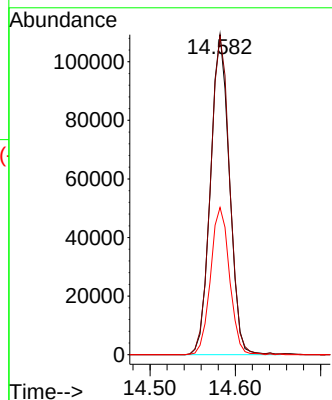
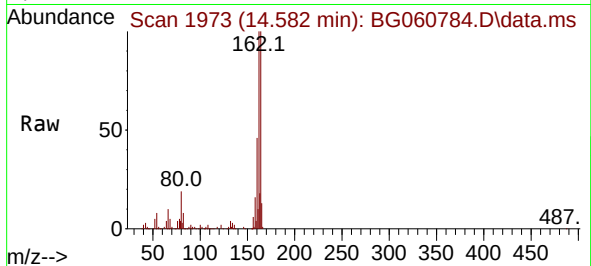




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.582 min Scan# 1973
Delta R.T. -0.007 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

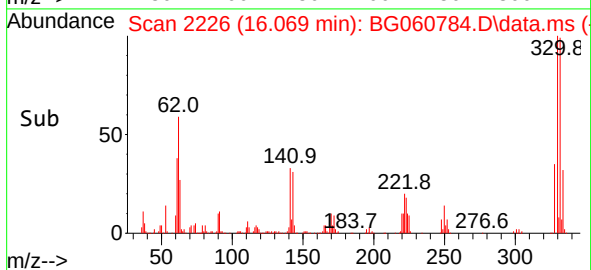
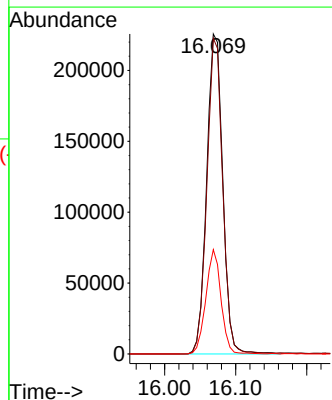
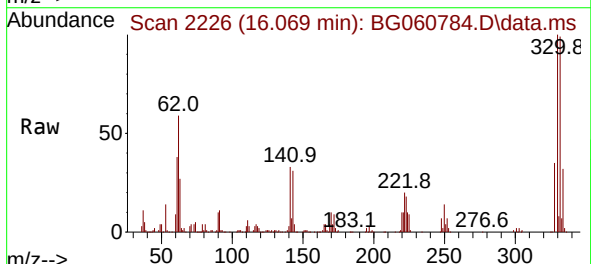
Instrument :
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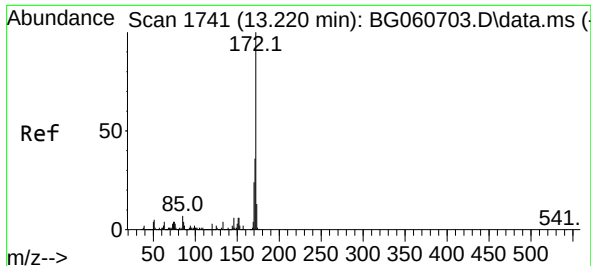
Tgt Ion:164 Resp: 168430
Ion Ratio Lower Upper
164 100
162 99.5 79.5 119.3
160 46.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 186.092 ng
RT: 16.069 min Scan# 2226
Delta R.T. -0.007 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion:330 Resp: 355800
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.4
141 30.7 27.0 40.6

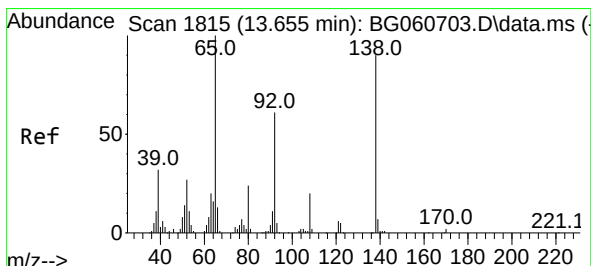
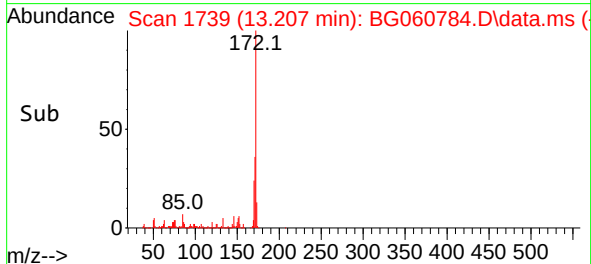
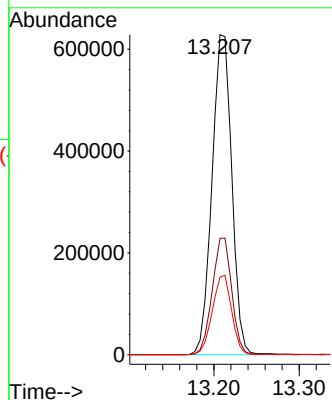
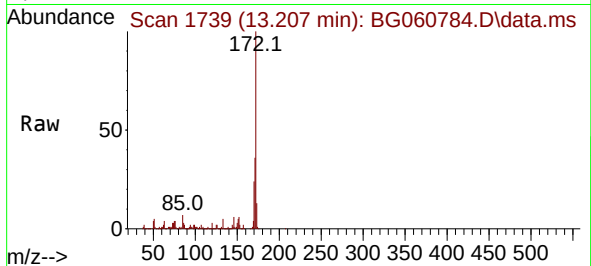




#45
2-Fluorobiphenyl
Concen: 88.215 ng
RT: 13.207 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

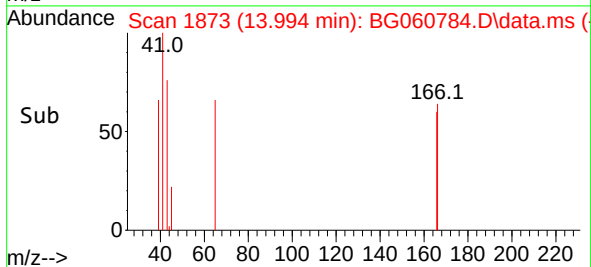
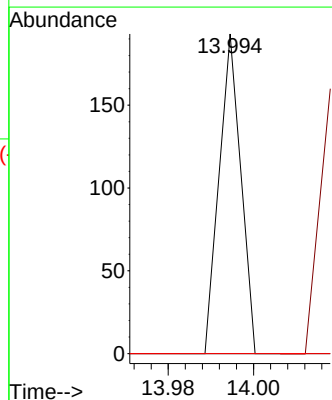
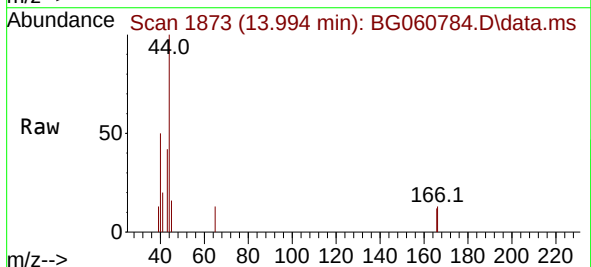
Instrument :
BNA_G
ClientSampleId :
SOIL-1

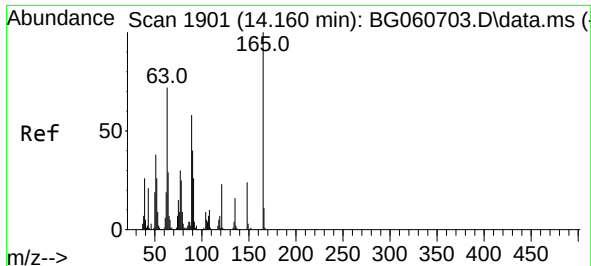
Tgt Ion:172 Resp: 1012385
Ion Ratio Lower Upper
172 100
171 36.4 28.7 43.1
170 24.3 19.4 29.0



#48
2-Nitroaniline
Concen: 2.815 ng
RT: 13.994 min Scan# 1873
Delta R.T. 0.339 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion: 65 Resp: 68
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#

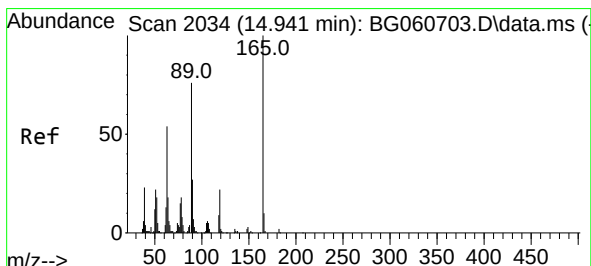
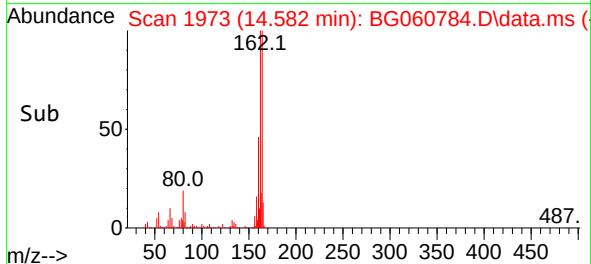
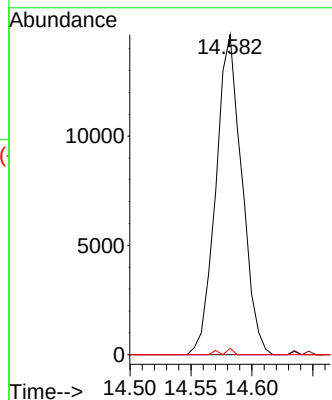
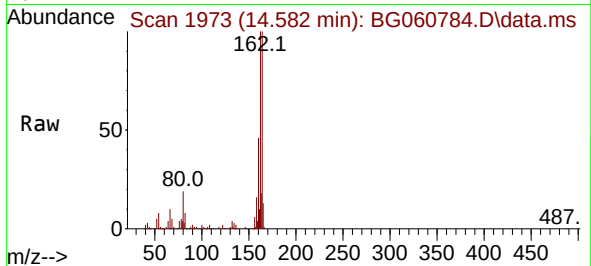




#51
2,6-Dinitrotoluene
Concen: 11.942 ng
RT: 14.582 min Scan# 1901
Delta R.T. 0.422 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

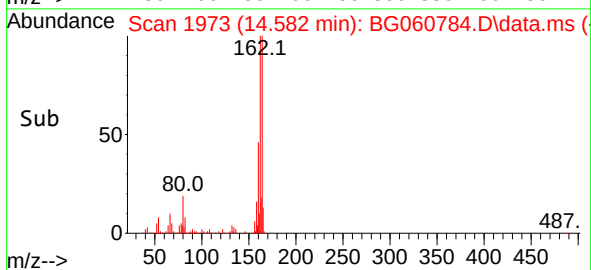
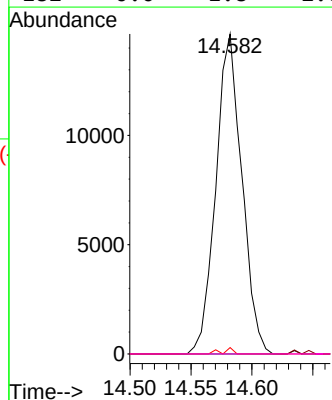
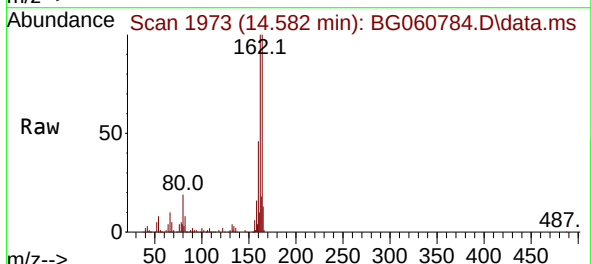
Instrument :
BNA_G
ClientSampleId :
SOIL-1

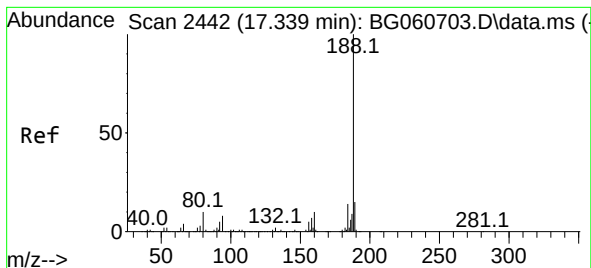
Tgt Ion:165 Resp: 21717
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.4#
89 2.0 46.1 69.1#



#57
2,4-Dinitrotoluene
Concen: 10.052 ng
RT: 14.582 min Scan# 1973
Delta R.T. -0.359 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion:165 Resp: 21717
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.0#
89 2.0 61.0 91.6#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.332 min Scan# 2441

Delta R.T. -0.007 min

Lab File: BG060784.D

Acq: 4 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-1

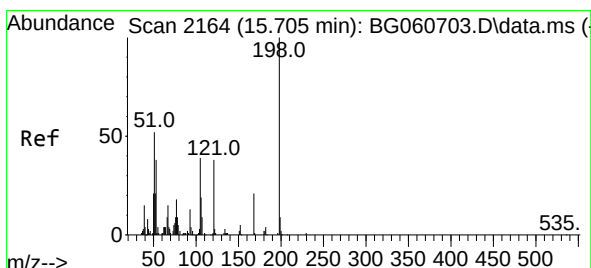
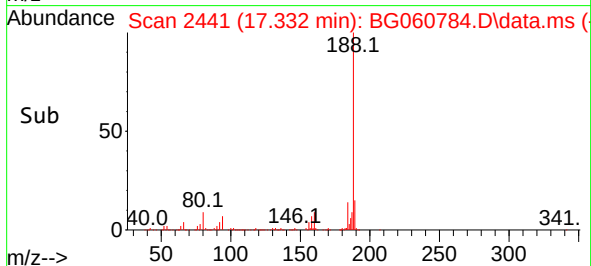
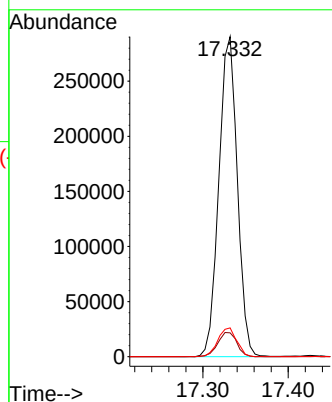
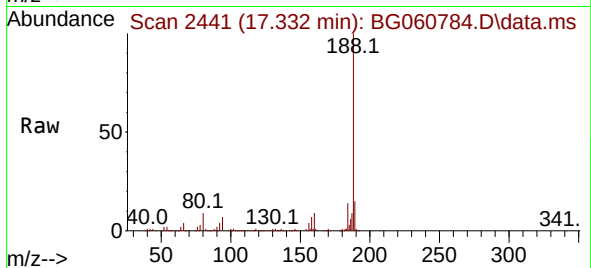
Tgt Ion:188 Resp: 436934

Ion Ratio Lower Upper

188 100

94 7.4 6.6 9.8

80 9.0 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 7.524 ng

RT: 16.063 min Scan# 2225

Delta R.T. 0.358 min

Lab File: BG060784.D

Acq: 4 Apr 2024 18:56

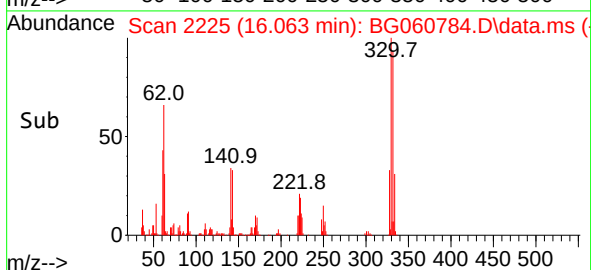
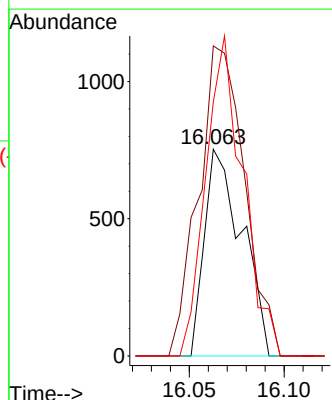
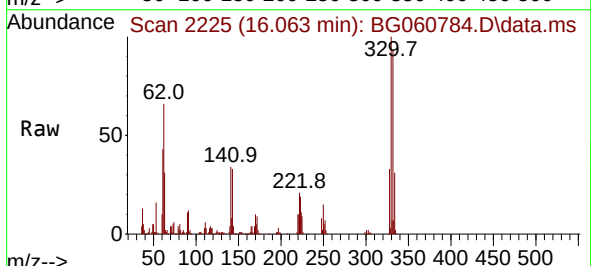
Tgt Ion:198 Resp: 1036

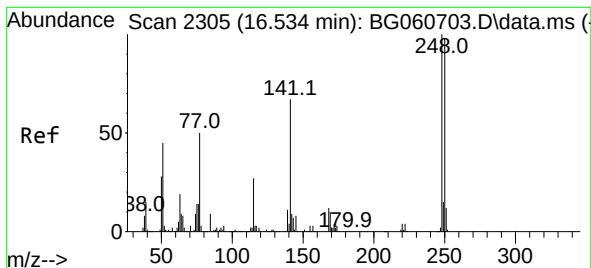
Ion Ratio Lower Upper

198 100

51 150.1 36.7 76.7#

105 123.0 19.1 59.1#

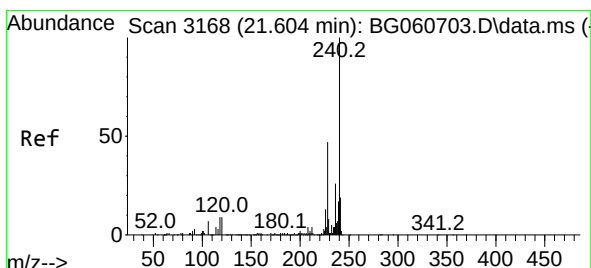
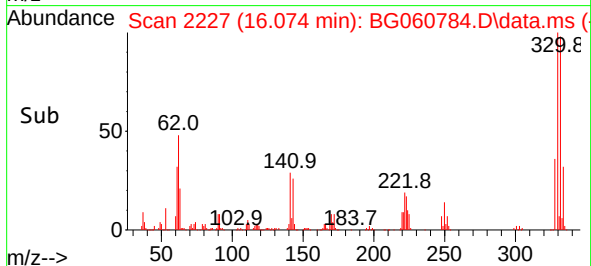
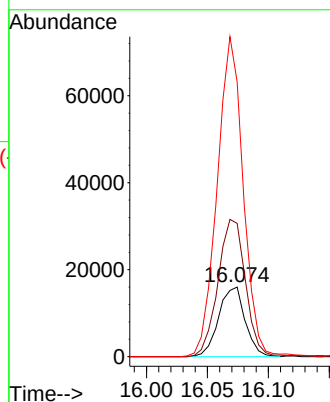
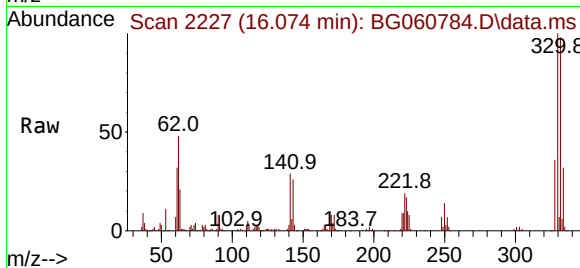




#67
4-Bromophenyl-phenylether
Concen: 5.471 ng
RT: 16.074 min Scan# 21
Delta R.T. -0.460 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

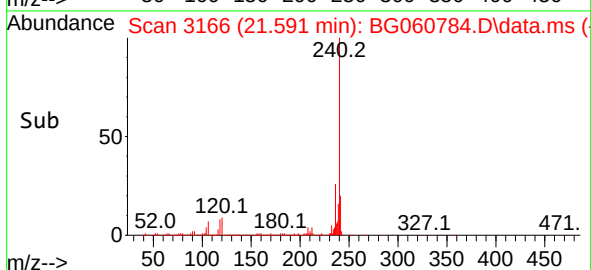
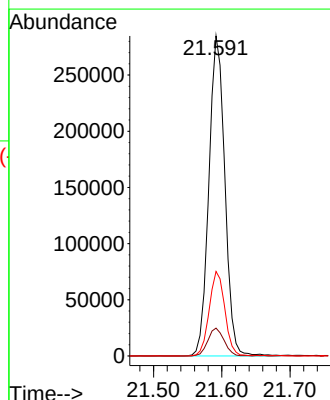
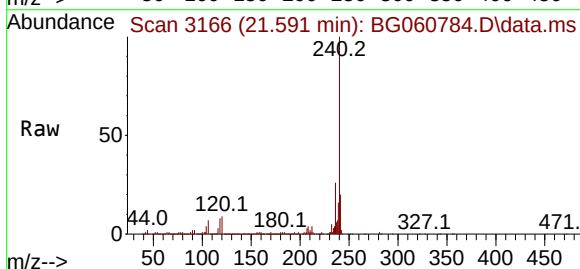
Instrument :
BNA_G
ClientSampleId :
SOIL-1

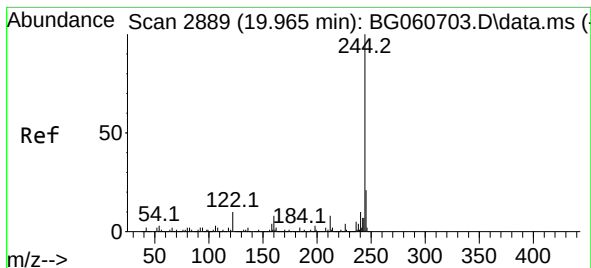
Tgt Ion:248 Resp: 24259
Ion Ratio Lower Upper
248 100
250 191.5 78.3 117.5#
141 394.8 53.7 80.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.591 min Scan# 3166
Delta R.T. -0.013 min
Lab File: BG060784.D
Acq: 4 Apr 2024 18:56

Tgt Ion:240 Resp: 464380
Ion Ratio Lower Upper
240 100
120 8.7 7.1 10.7
236 26.4 20.7 31.1





#79

Terphenyl-d14

Concen: 86.648 ng

RT: 19.958 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG060784.D

Acq: 4 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-1

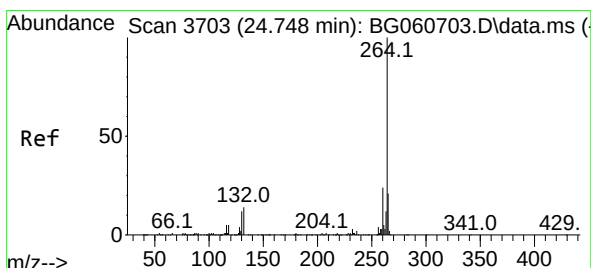
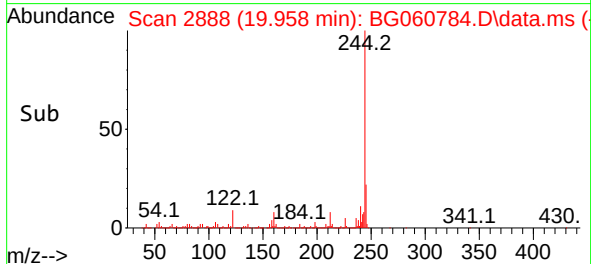
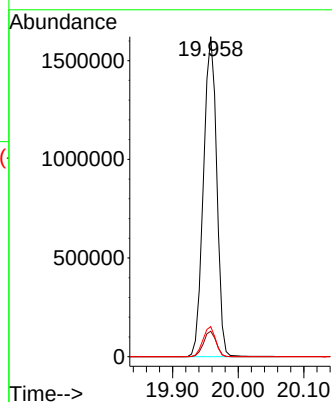
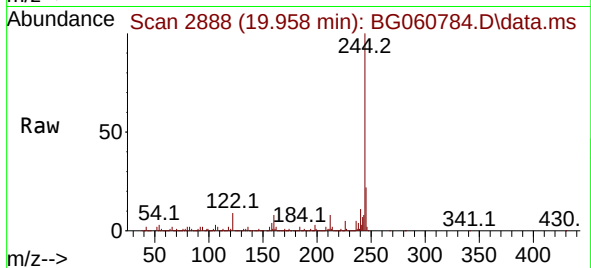
Tgt Ion:244 Resp: 2285134

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

122 9.4 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.735 min Scan# 3701

Delta R.T. -0.013 min

Lab File: BG060784.D

Acq: 4 Apr 2024 18:56

Tgt Ion:264 Resp: 548291

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.3 16.9 25.3

