

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040524\
 Data File : BG060790.D
 Acq On : 5 Apr 2024 10:58
 Operator : MA/JU
 Sample : P1974-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

Quant Time: Apr 05 11:40:31 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)

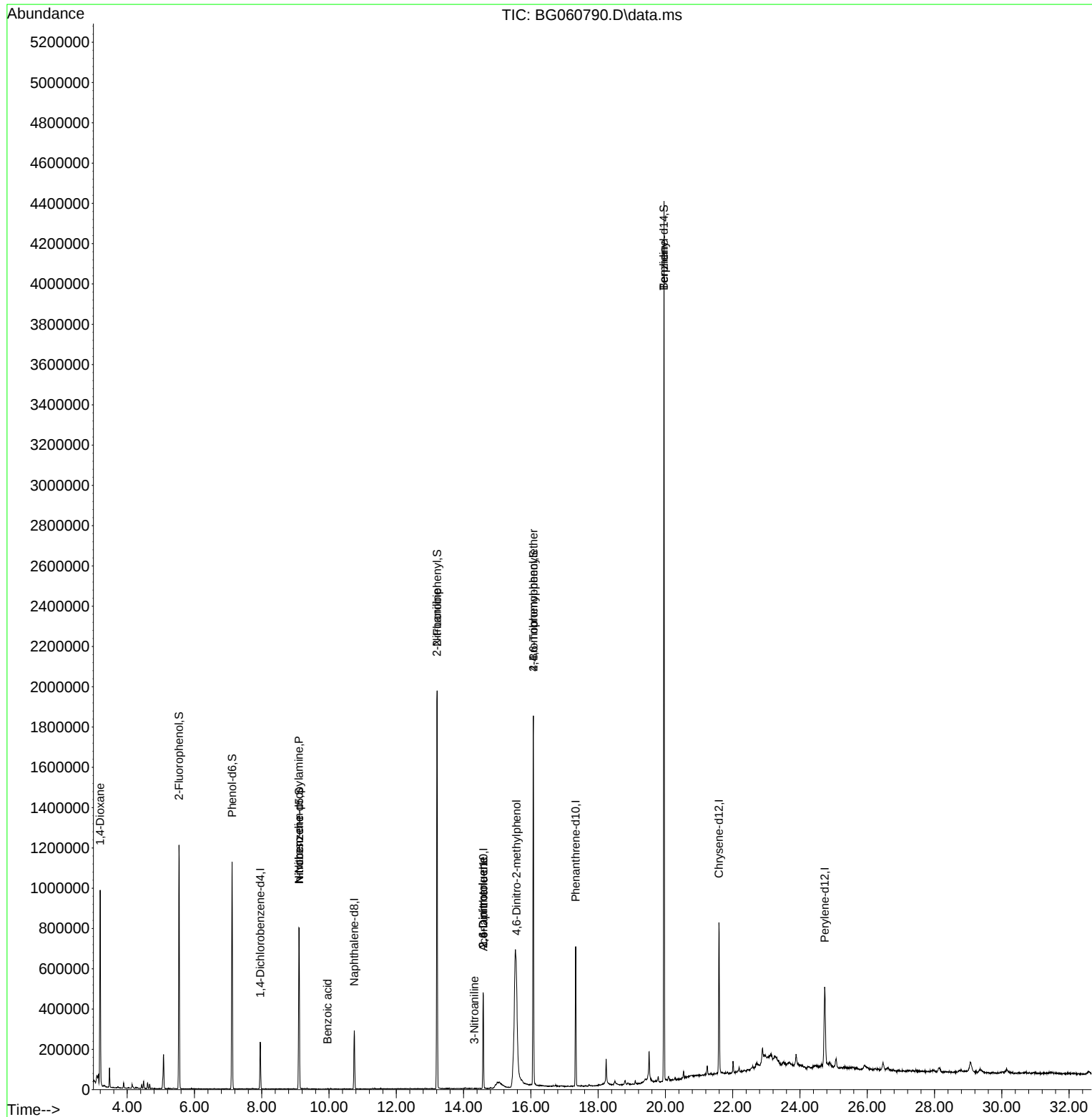
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	62014	20.000	ng	0.00
21) Naphthalene-d8	10.752	136	228371	20.000	ng	0.00
39) Acenaphthene-d10	14.588	164	173800	20.000	ng	0.00
64) Phenanthrene-d10	17.332	188	442178	20.000	ng	0.00
76) Chrysene-d12	21.592	240	433950	20.000	ng	-0.01
86) Perylene-d12	24.735	264	405752	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	464236	124.708	ng	0.00
7) Phenol-d6	7.121	99	561365	101.591	ng	0.00
23) Nitrobenzene-d5	9.113	82	448003	111.940	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	361835	183.402	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	1033804	87.298	ng	0.00
79) Terphenyl-d14	19.959	244	2149427	87.217	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.196	88	6913	4.529	ng	# 1
19) n-Nitroso-di-n-propyla...	9.107	70	61052	14.488	ng	# 74
24) Nitrobenzene	9.113	77	1688	3.130	ng	# 42
32) Benzoic acid	9.959	122	798	7.114	ng	# 76
48) 2-Nitroaniline	13.208	65	2057	3.509	ng	# 9
51) 2,6-Dinitrotoluene	14.583	165	22700	12.051	ng	# 19
53) 3-Nitroaniline	14.318	138	55	2.870	ng	# 1
57) 2,4-Dinitrotoluene	14.583	165	22700	10.140	ng	# 20
65) 4,6-Dinitro-2-methylph...	15.576	198	66	7.065	ng	# 28
67) 4-Bromophenyl-phenylether	16.075	248	24245	5.403	ng	# 1
77) Benzidine	19.959	184	36100	3.159	ng	# 92

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

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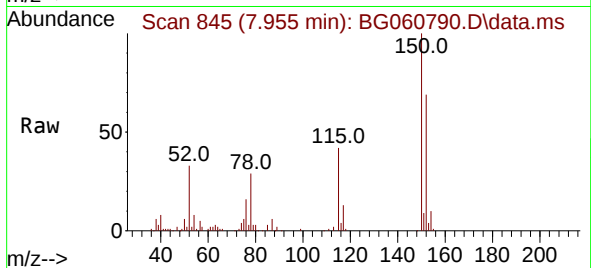
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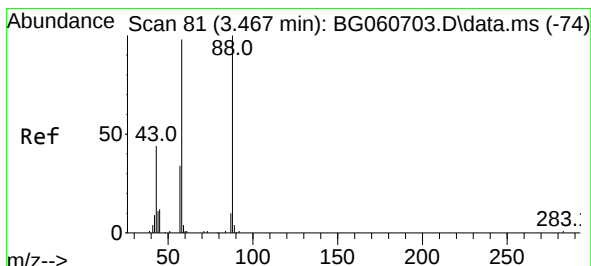
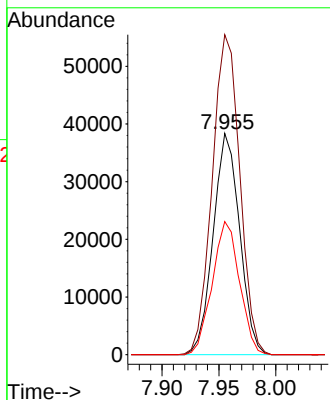
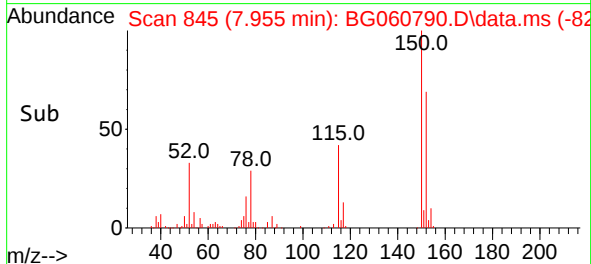


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Instrument :
BNA_G
ClientSampleId :
SOIL-2

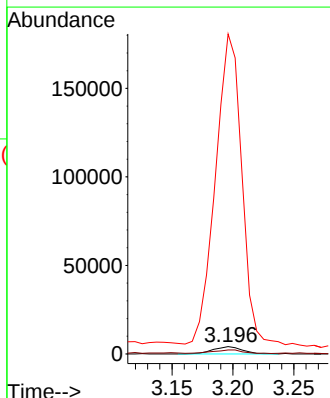
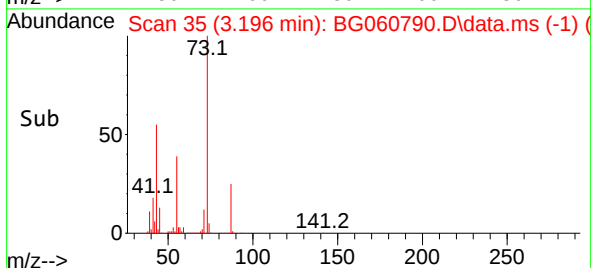
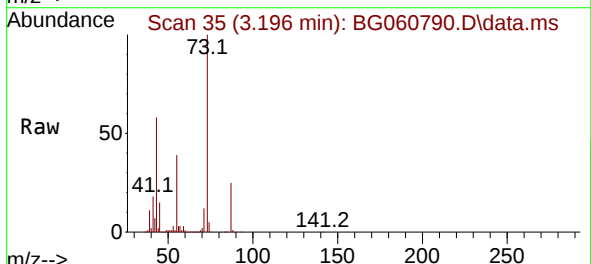


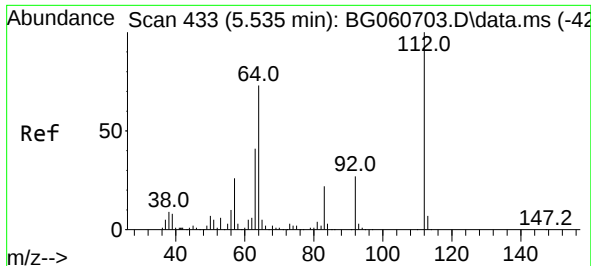
Tgt Ion:152 Resp: 62014
Ion Ratio Lower Upper
152 100
150 144.6 130.2 195.4
115 60.1 51.6 77.4



#2
1,4-Dioxane
Concen: 4.529 ng
RT: 3.196 min Scan# 35
Delta R.T. -0.271 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion: 88 Resp: 6913
Ion Ratio Lower Upper
88 100
58 47.2 80.9 121.3#
43 3940.1 35.4 53.0#

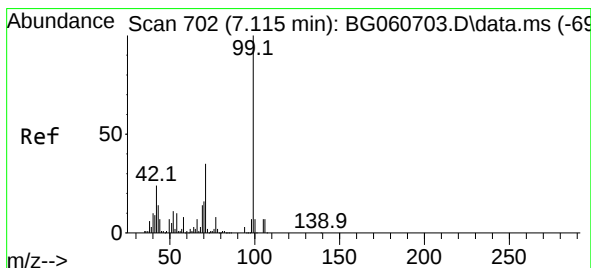
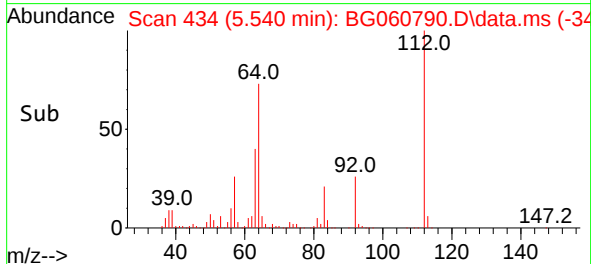
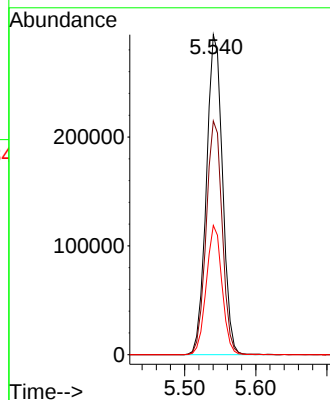
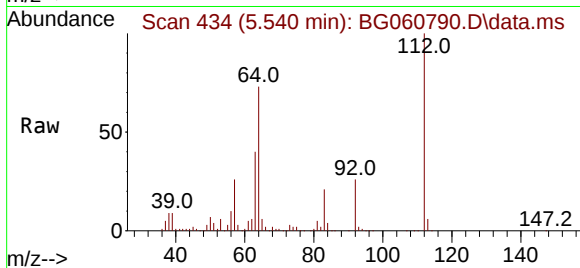




#5
2-Fluorophenol
Concen: 124.708 ng
RT: 5.540 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

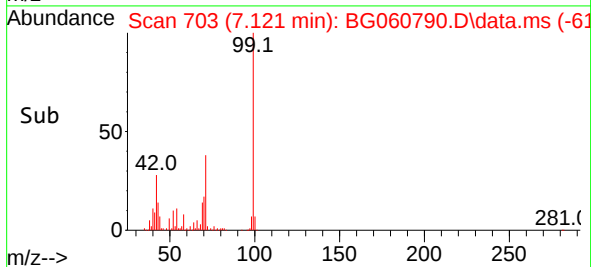
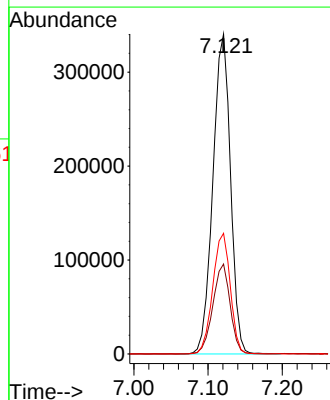
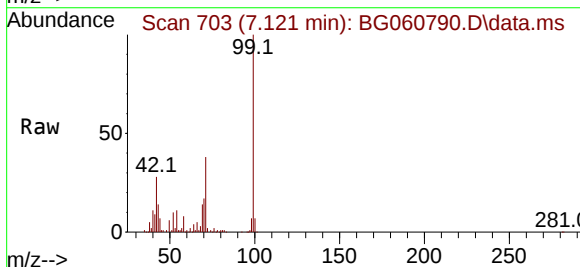
Instrument :
BNA_G
ClientSampleId :
SOIL-2

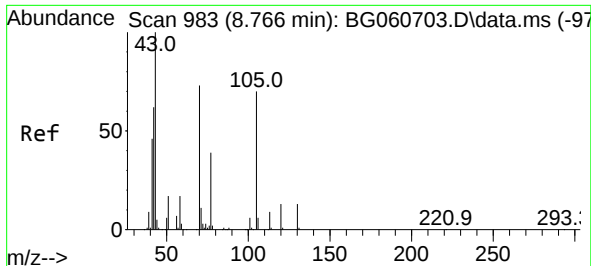
Tgt Ion:112 Resp: 464236
Ion Ratio Lower Upper
112 100
64 73.1 58.4 87.6
63 40.4 32.7 49.1



#7
Phenol-d6
Concen: 101.591 ng
RT: 7.121 min Scan# 703
Delta R.T. 0.005 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion: 99 Resp: 561365
Ion Ratio Lower Upper
99 100
42 28.1 19.4 29.2
71 37.7 28.2 42.2

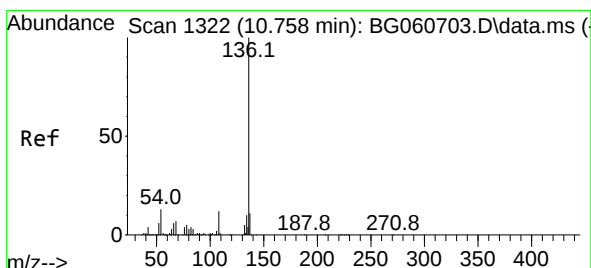
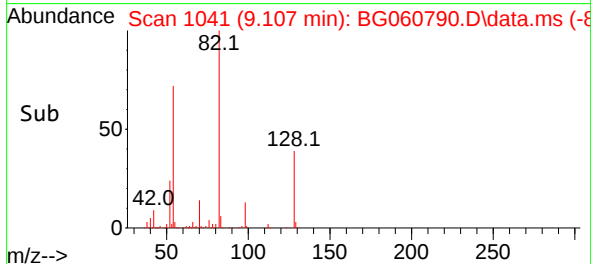
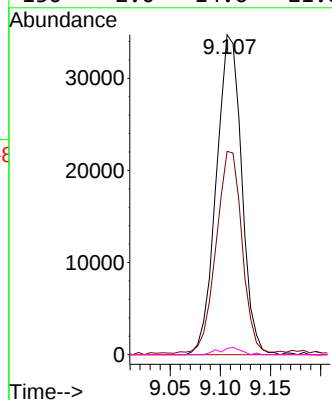
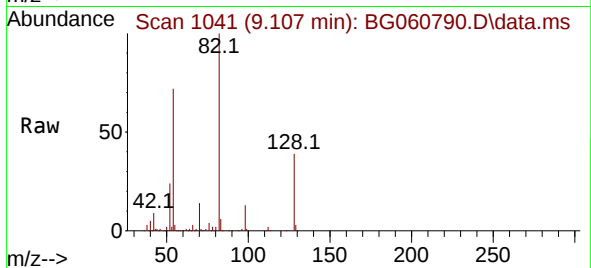




#19
n-Nitroso-di-n-propylamine
Concen: 14.488 ng
RT: 9.107 min Scan# 1041
Delta R.T. 0.341 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

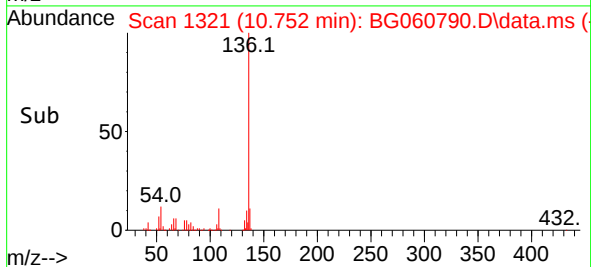
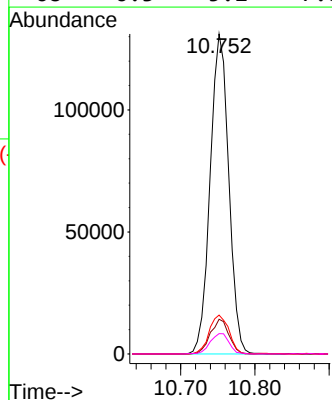
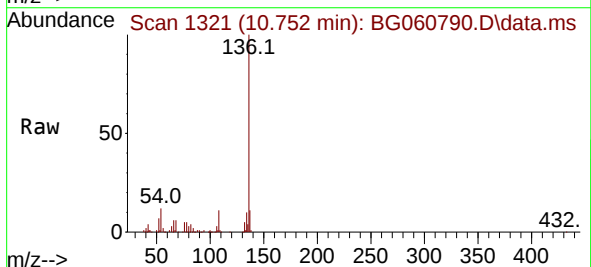
Instrument :
BNA_G
ClientSampleId :
SOIL-2

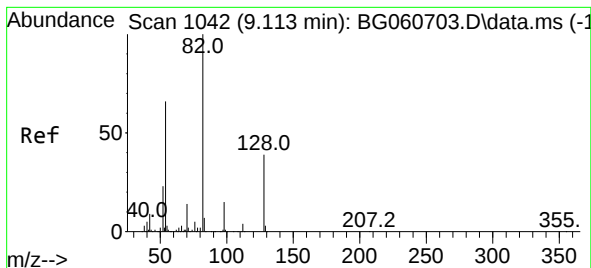
Tgt Ion: 70 Resp: 61052
Ion Ratio Lower Upper
70 100
42 63.6 68.4 102.6#
101 0.0 6.1 9.1#
130 2.0 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.752 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion:136 Resp: 228371
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 12.2 10.2 15.2
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 111.940 ng

RT: 9.113 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2

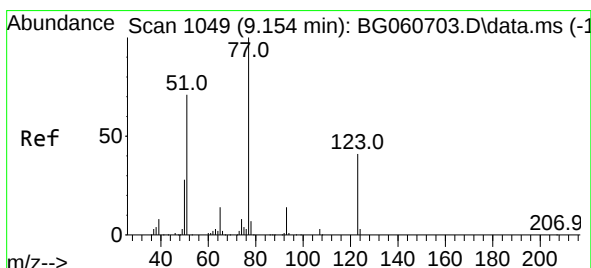
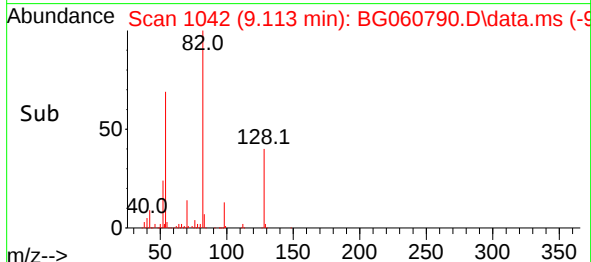
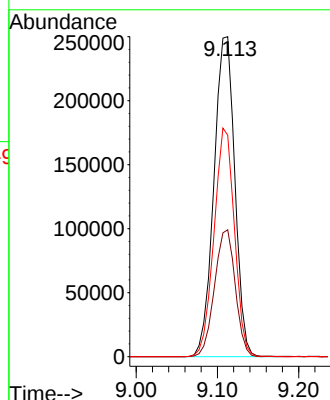
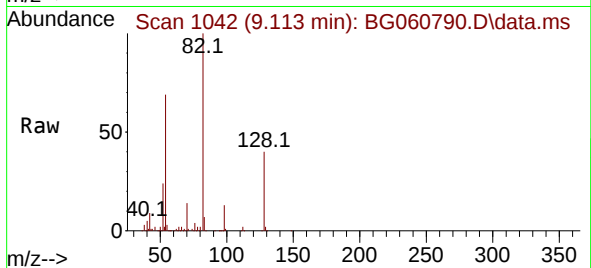
Tgt Ion: 82 Resp: 448003

Ion Ratio Lower Upper

82 100

128 39.7 31.2 46.8

54 69.2 53.2 79.8



#24

Nitrobenzene

Concen: 3.130 ng

RT: 9.113 min Scan# 1042

Delta R.T. -0.041 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

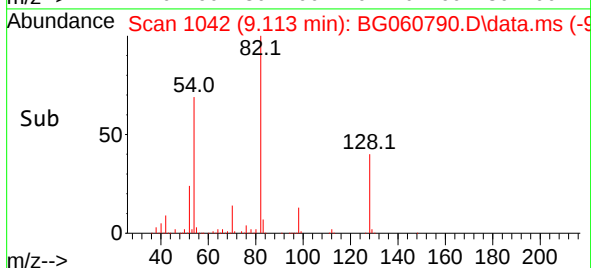
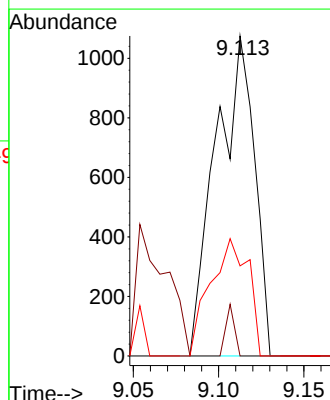
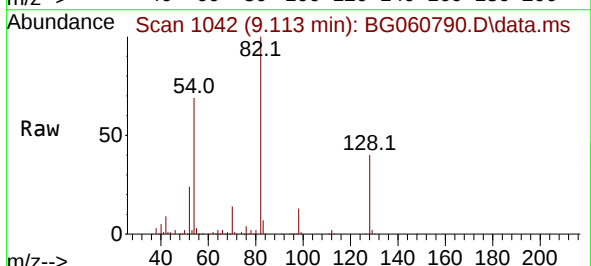
Tgt Ion: 77 Resp: 1688

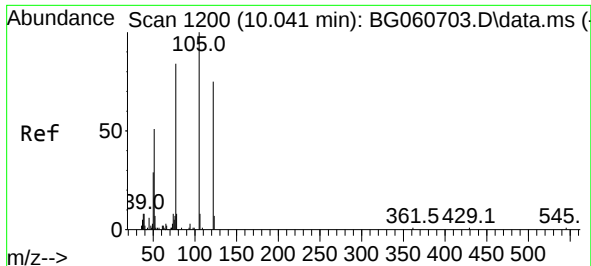
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 28.2 11.3 16.9#

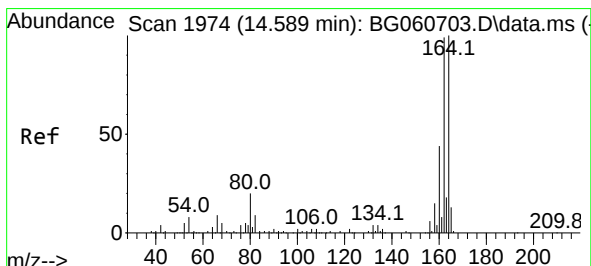
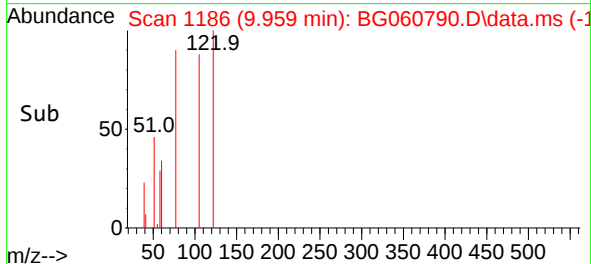
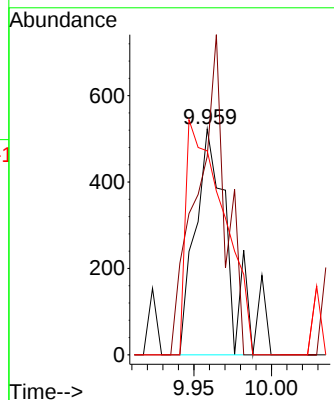
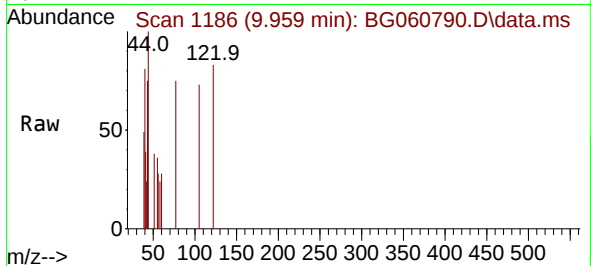




#32
Benzoic acid
Concen: 7.114 ng
RT: 9.959 min Scan# 1186
Delta R.T. -0.082 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

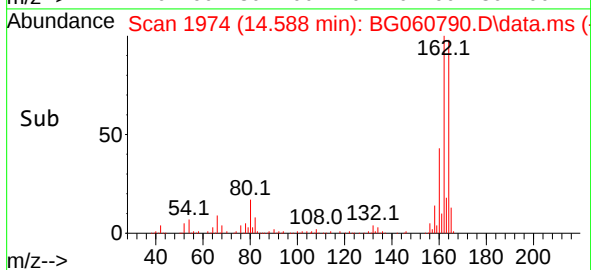
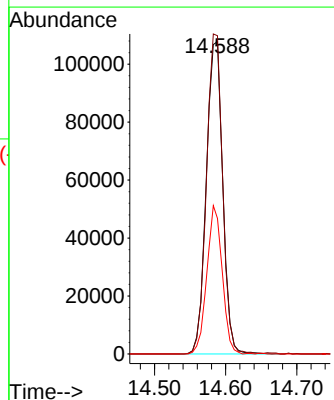
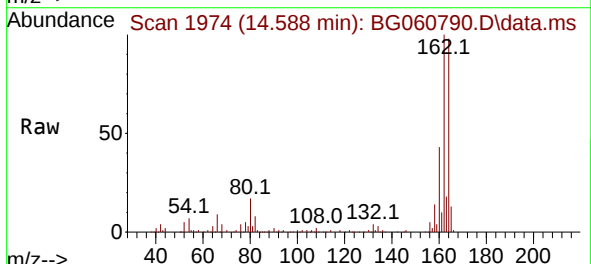
Instrument :
BNA_G
ClientSampleId :
SOIL-2

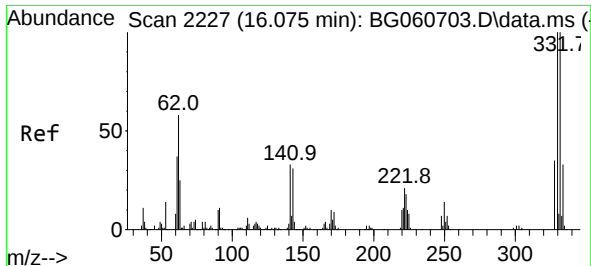
Tgt Ion:122 Resp: 798
Ion Ratio Lower Upper
122 100
105 87.8 104.5 144.5#
77 90.2 85.3 125.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.588 min Scan# 1974
Delta R.T. -0.001 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion:164 Resp: 173800
Ion Ratio Lower Upper
164 100
162 101.9 79.5 119.3
160 43.4 35.4 53.0

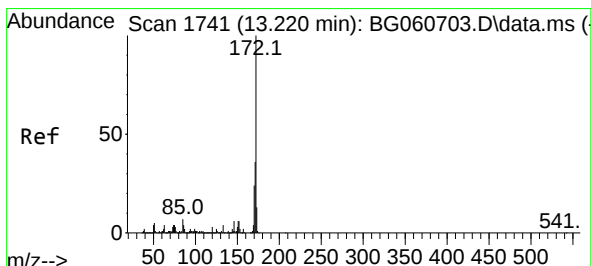
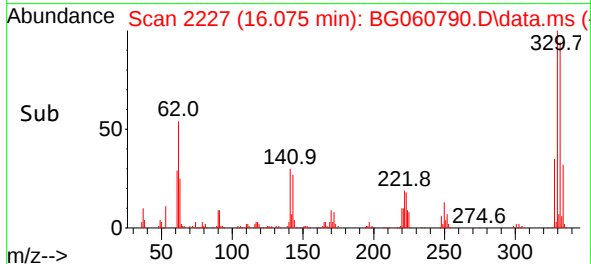
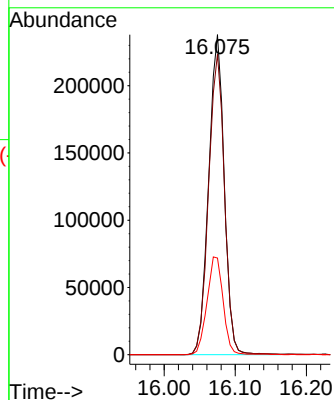
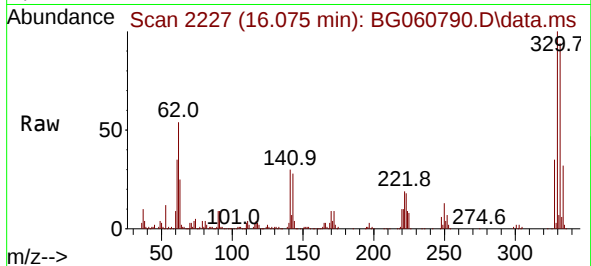




#42
2,4,6-Tribromophenol
Concen: 183.402 ng
RT: 16.075 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

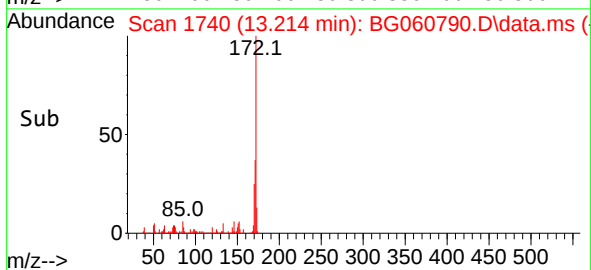
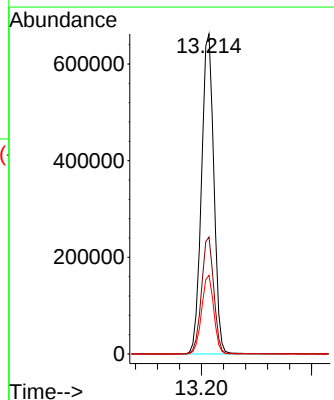
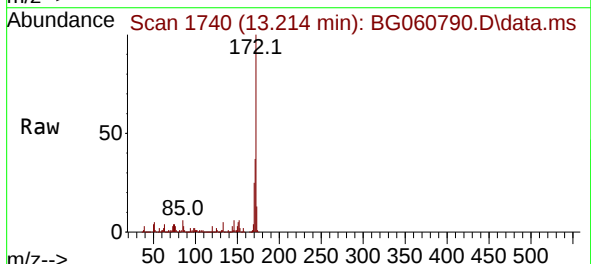
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SOIL-2

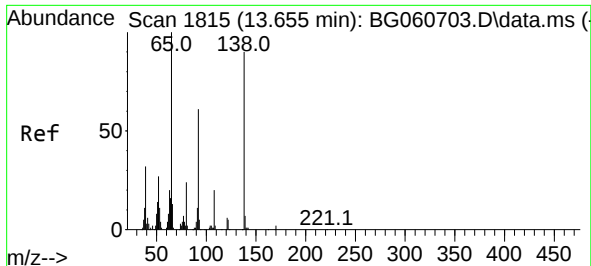
Tgt Ion:330 Resp: 361835
Ion Ratio Lower Upper
330 100
332 96.1 78.2 117.4
141 31.8 27.0 40.6



#45
2-Fluorobiphenyl
Concen: 87.298 ng
RT: 13.214 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion:172 Resp: 1033804
Ion Ratio Lower Upper
172 100
171 36.5 28.7 43.1
170 24.5 19.4 29.0

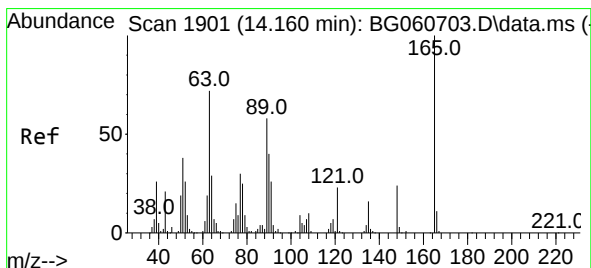
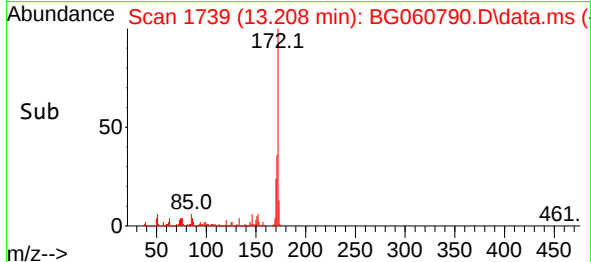
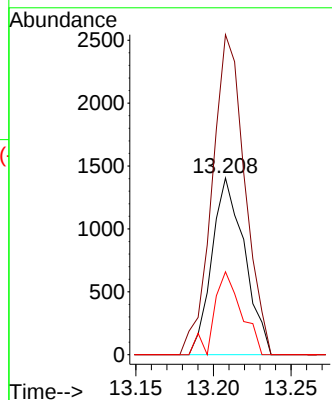
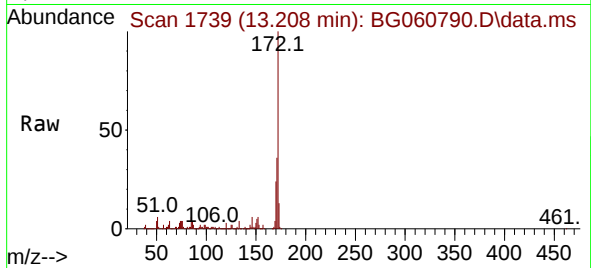




#48
2-Nitroaniline
Concen: 3.509 ng
RT: 13.208 min Scan# 1739
Delta R.T. -0.447 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

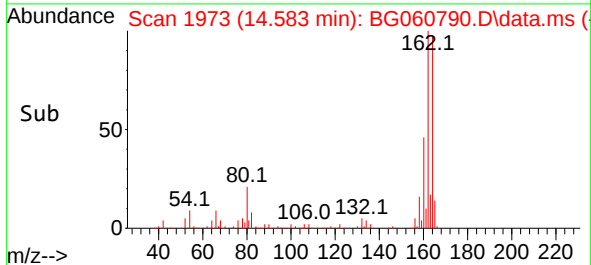
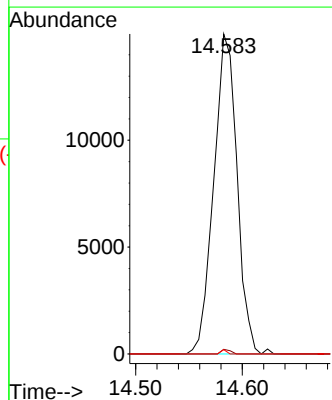
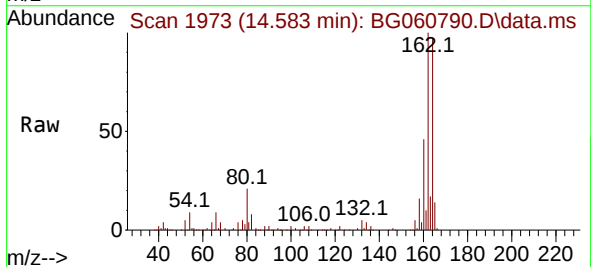
Instrument :
BNA_G
ClientSampleId :
SOIL-2

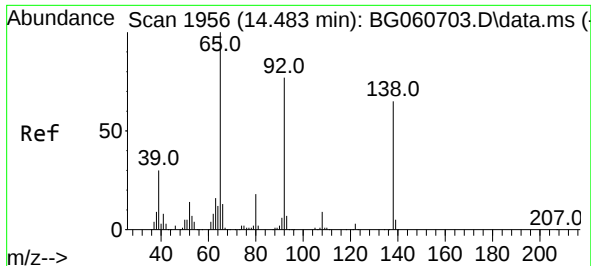
Tgt Ion: 65 Resp: 2057
Ion Ratio Lower Upper
65 100
92 181.2 48.6 72.8#
138 46.9 72.2 108.4#



#51
2,6-Dinitrotoluene
Concen: 12.051 ng
RT: 14.583 min Scan# 1973
Delta R.T. 0.423 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion: 165 Resp: 22700
Ion Ratio Lower Upper
165 100
63 1.4 58.2 87.4#
89 1.3 46.1 69.1#

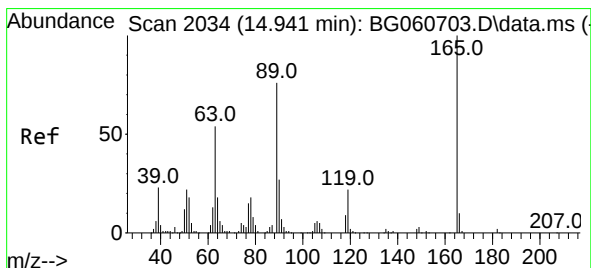
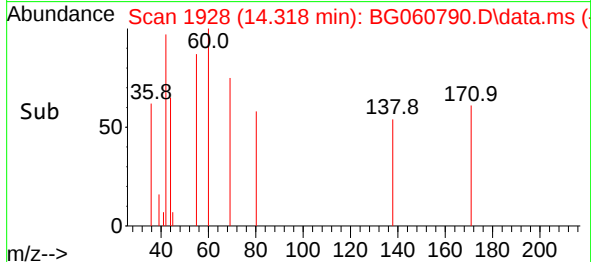
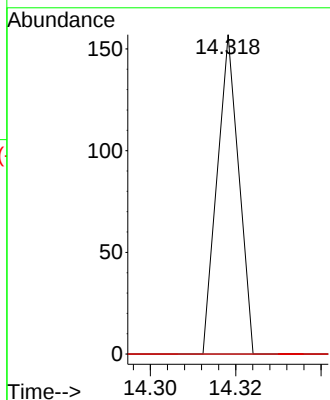
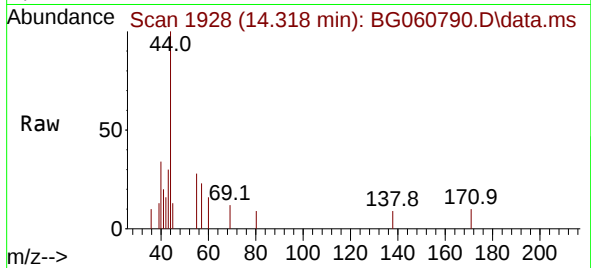




#53
3-Nitroaniline
Concen: 2.870 ng
RT: 14.318 min Scan# 1956
Delta R.T. -0.165 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

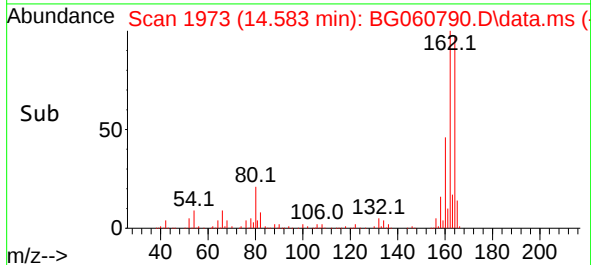
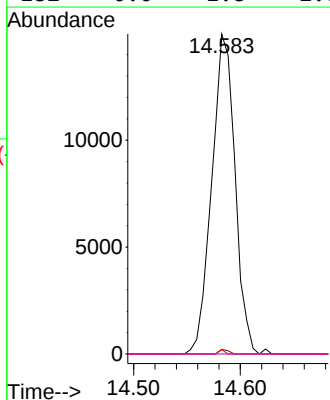
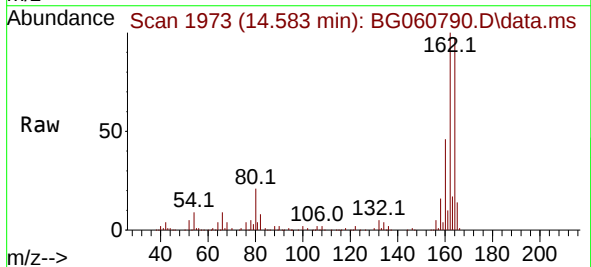
Instrument :
BNA_G
ClientSampleId :
SOIL-2

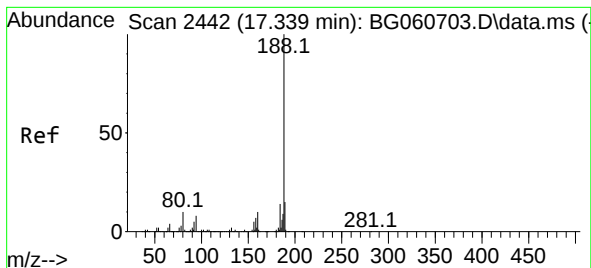
Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



#57
2,4-Dinitrotoluene
Concen: 10.140 ng
RT: 14.583 min Scan# 1973
Delta R.T. -0.358 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion:165 Resp: 22700
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.0#
89 1.3 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. -0.006 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2

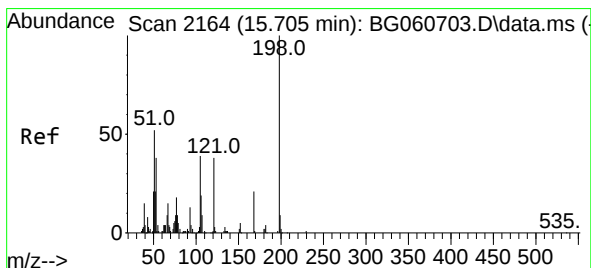
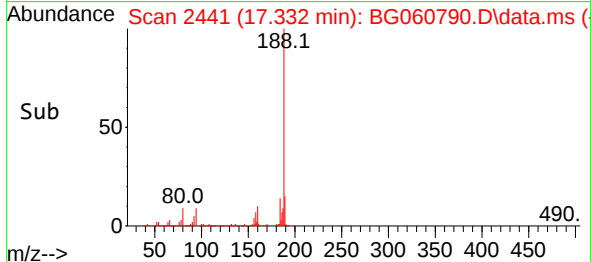
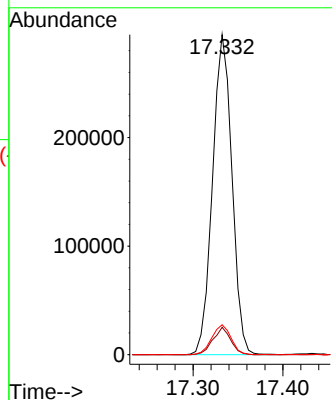
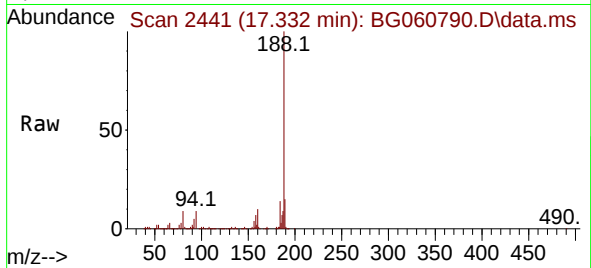
Tgt Ion:188 Resp: 442178

Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 9.3 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 7.065 ng

RT: 15.576 min Scan# 2142

Delta R.T. -0.129 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

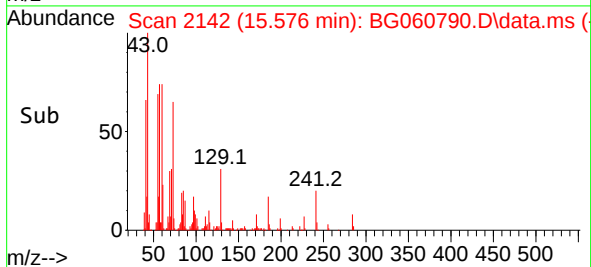
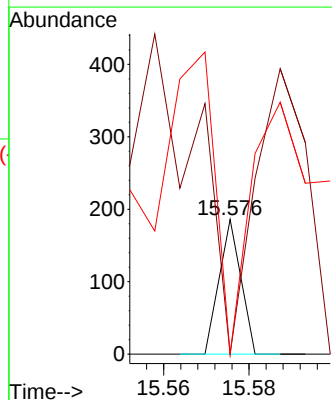
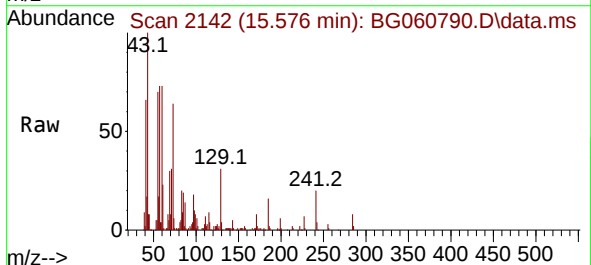
Tgt Ion:198 Resp: 66

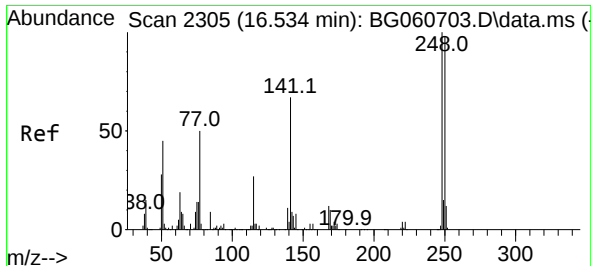
Ion Ratio Lower Upper

198 100

51 0.0 36.7 76.7#

105 0.0 19.1 59.1#

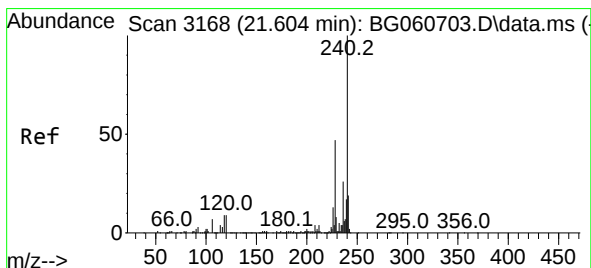
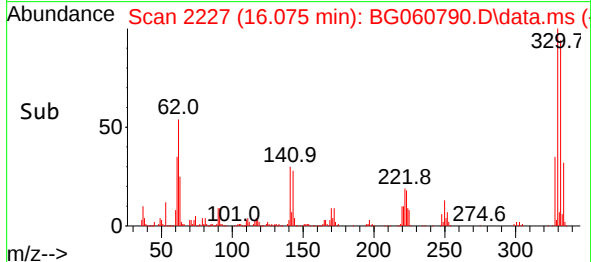
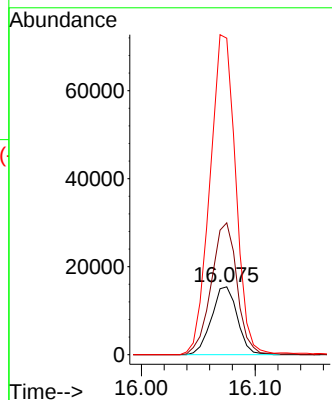
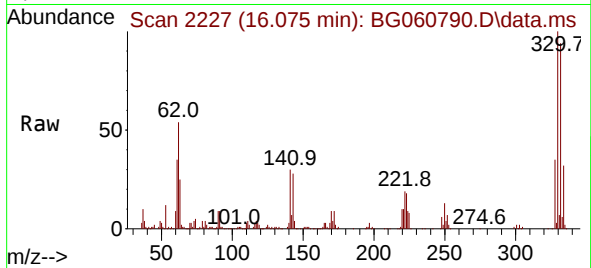




#67
4-Bromophenyl-phenylether
Concen: 5.403 ng
RT: 16.075 min Scan# 21
Delta R.T. -0.459 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

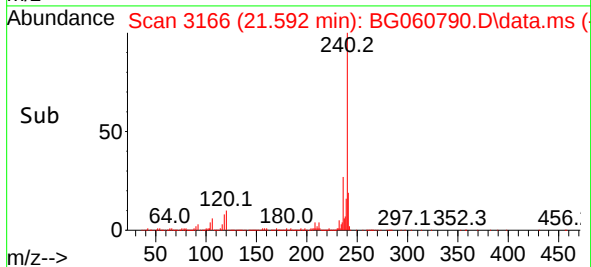
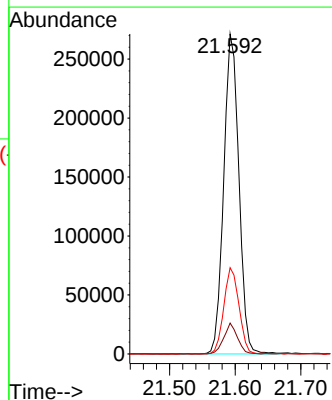
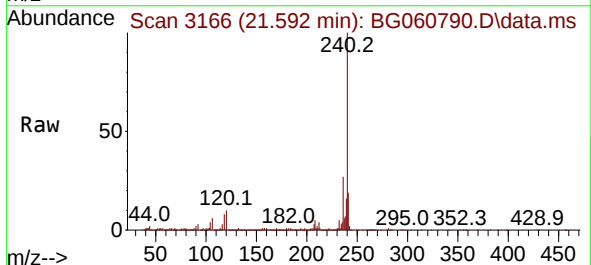
Instrument :
BNA_G
ClientSampleId :
SOIL-2

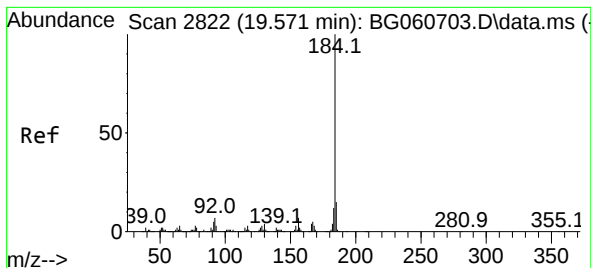
Tgt Ion:248 Resp: 24245
Ion Ratio Lower Upper
248 100
250 194.3 78.3 117.5#
141 466.3 53.7 80.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3166
Delta R.T. -0.012 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion:240 Resp: 433950
Ion Ratio Lower Upper
240 100
120 9.7 7.1 10.7
236 26.9 20.7 31.1





#77

Benzidine

Concen: 3.159 ng

RT: 19.959 min Scan# 2888

Delta R.T. 0.387 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2

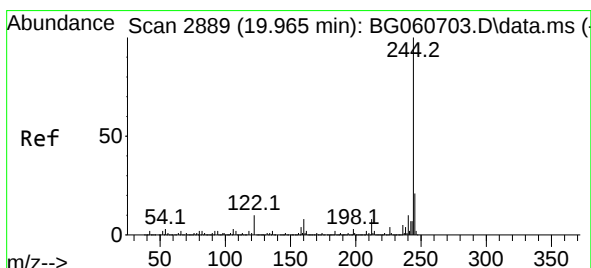
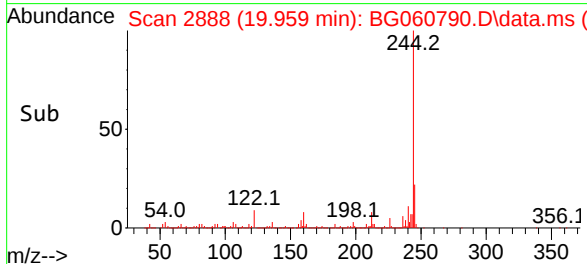
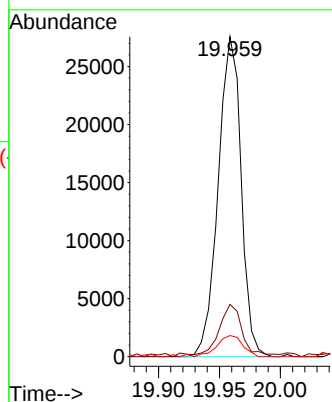
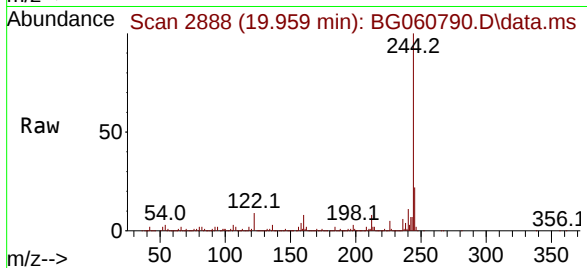
Tgt Ion:184 Resp: 36100

Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.6

183 6.6 9.5 14.3#



#79

Terphenyl-d14

Concen: 87.217 ng

RT: 19.959 min Scan# 2888

Delta R.T. -0.006 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

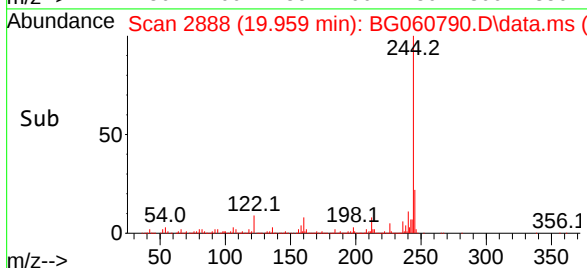
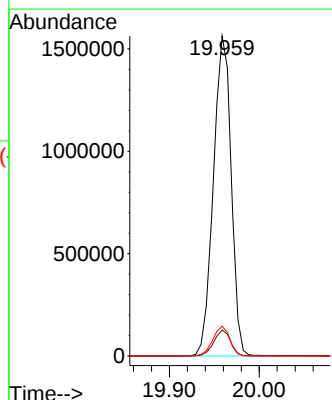
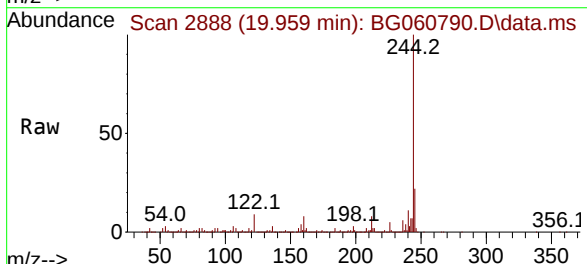
Tgt Ion:244 Resp: 2149427

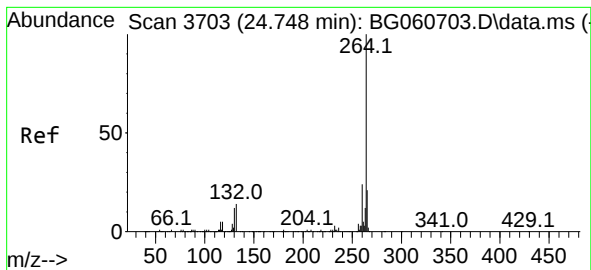
Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

122 9.3 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.735 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG060790.D

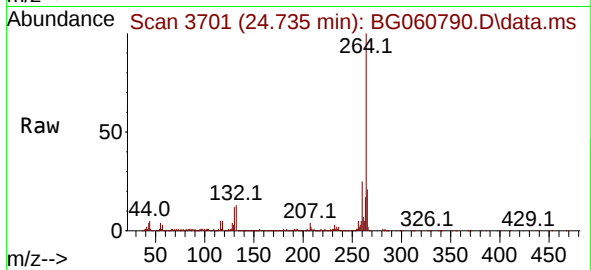
Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2



Tgt Ion:264 Resp: 405752

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

265 21.2 16.9 25.3

