

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032222\
 Data File : BG052786.D
 Acq On : 22 Mar 2022 15:18
 Operator : CG/JU
 Sample : N1985-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VACLOT-SOIL-2

Quant Time: Mar 22 16:40:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

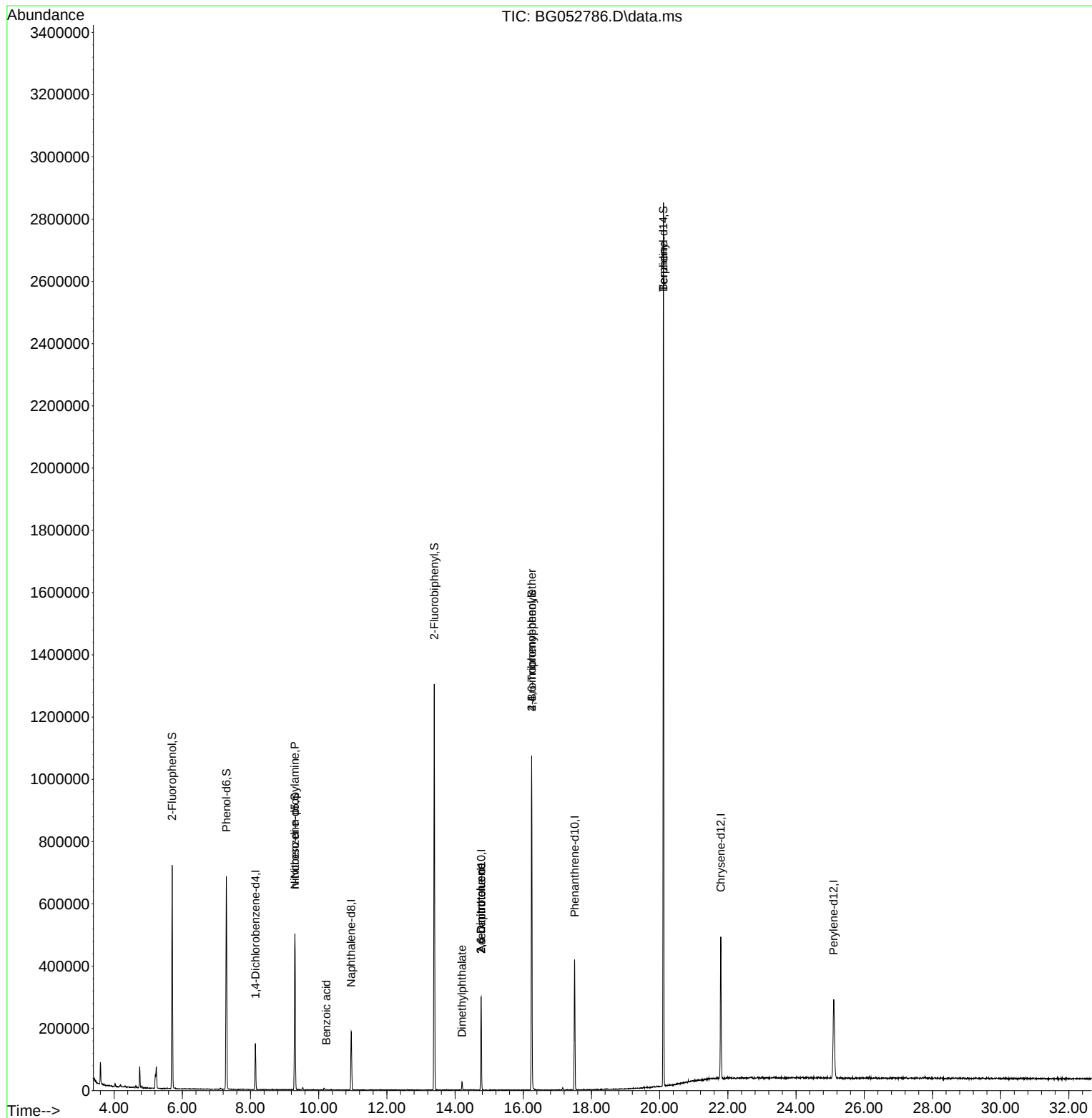
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.146	152	40433	20.000	ng	-0.01
21) Naphthalene-d8	10.954	136	157318	20.000	ng	-0.02
39) Acenaphthene-d10	14.766	164	110085	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	272819	20.000	ng	0.00
76) Chrysene-d12	21.792	240	299586	20.000	ng	-0.02
86) Perylene-d12	25.105	264	292644	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	296280	127.612	ng	0.00
7) Phenol-d6	7.294	99	386241	110.347	ng	0.00
23) Nitrobenzene-d5	9.303	82	323511	103.212	ng	-0.01
42) 2,4,6-Tribromophenol	16.247	330	216567	146.404	ng	-0.01
45) 2-Fluorobiphenyl	13.392	172	679325	91.012	ng	-0.01
79) Terphenyl-d14	20.112	244	1406678	83.524	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.288	77	1047	Below Cal	#	24
19) n-Nitroso-di-n-propyla...	9.303	70	44383	17.903	ng	# 74
32) Benzoic acid	10.225	122	112	5.733	ng	# 80
50) Dimethylphthalate	14.202	163	17428	2.130	ng	# 98
51) 2,6-Dinitrotoluene	14.761	165	14278	10.336	ng	# 24
57) 2,4-Dinitrotoluene	14.761	165	14278	7.449	ng	# 22
67) 4-Bromophenyl-phenylether	16.247	248	15018	4.566	ng	# 1
77) Benzidine	20.112	184	23913	3.095	ng	# 90

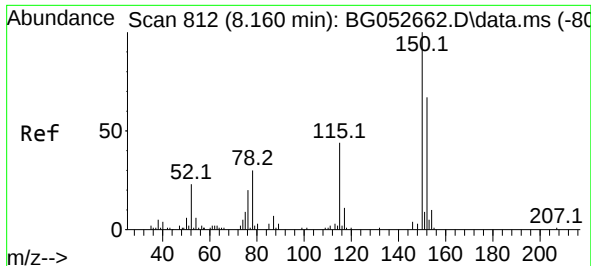
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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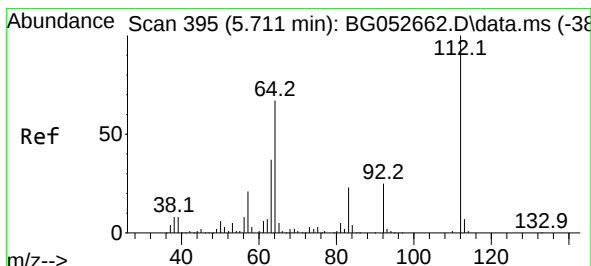
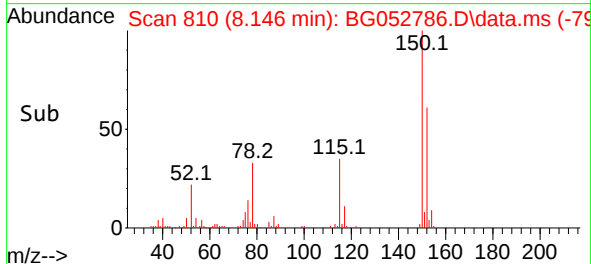
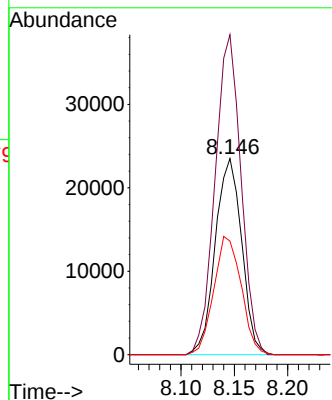
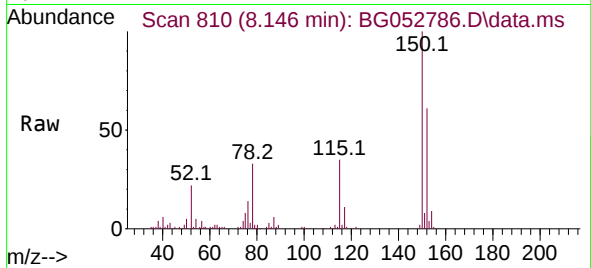




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 812
Delta R.T. -0.014 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

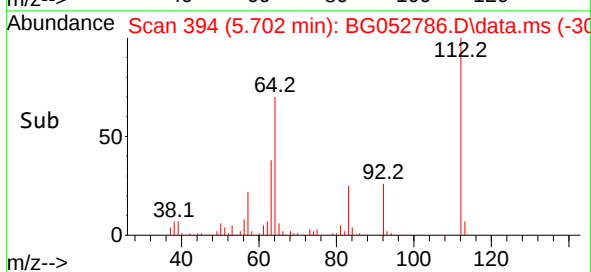
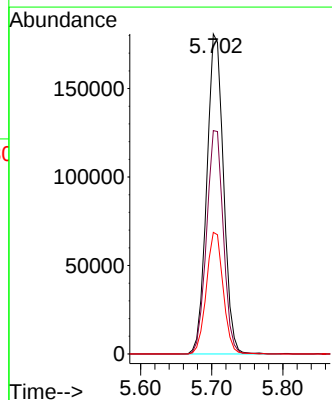
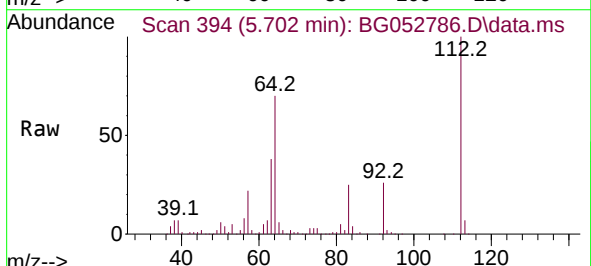
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BNA_G
ClientSampleId :
VACLOT-SOIL-2

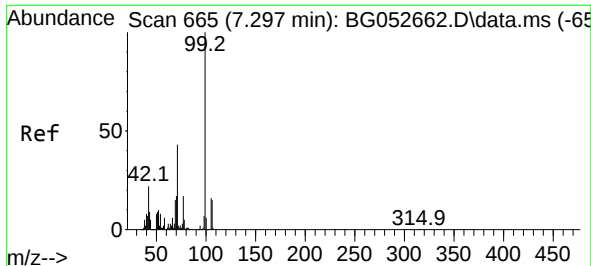
Tgt Ion:152 Resp: 40433
Ion Ratio Lower Upper
152 100
150 163.1 114.6 172.0
115 57.9 45.9 68.9



#5
2-Fluorophenol
Concen: 127.612 ng
RT: 5.702 min Scan# 394
Delta R.T. -0.009 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion:112 Resp: 296280
Ion Ratio Lower Upper
112 100
64 69.8 48.0 72.0
63 38.0 26.5 39.7

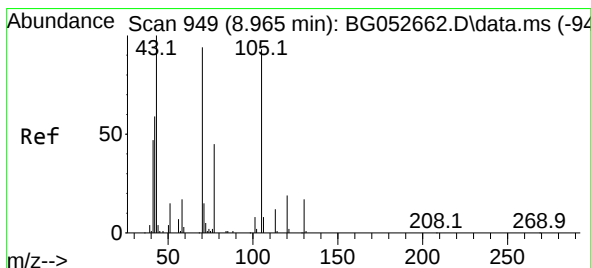
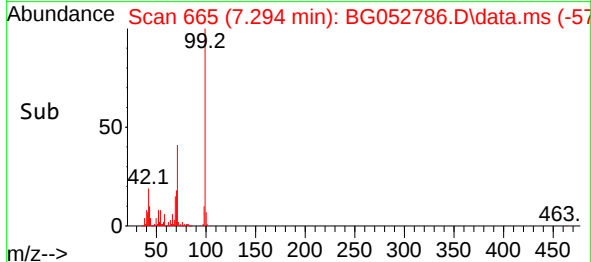
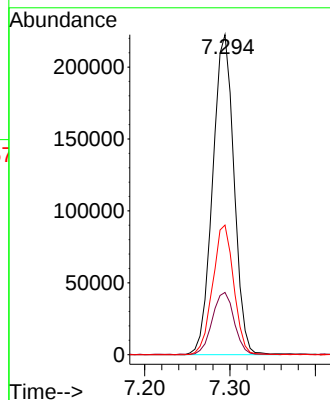
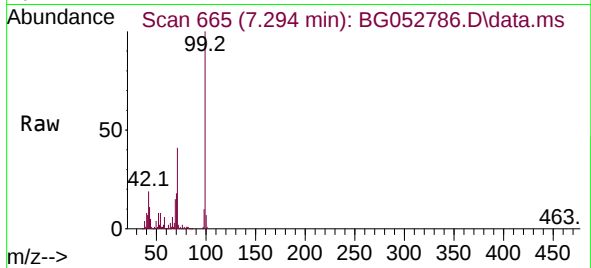




#7
Phenol-d6
Concen: 110.347 ng
RT: 7.294 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

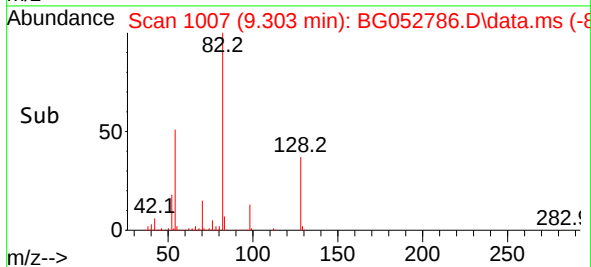
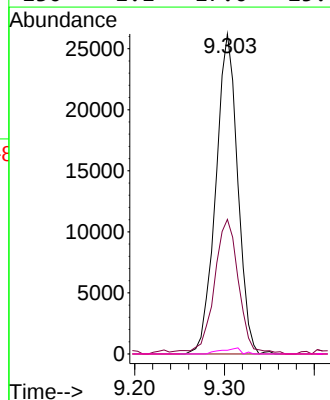
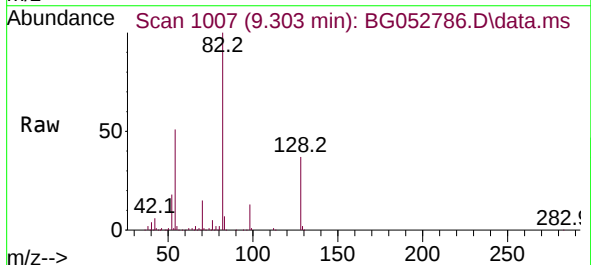
Instrument :
BNA_G
ClientSampleId :
VACLOT-SOIL-2

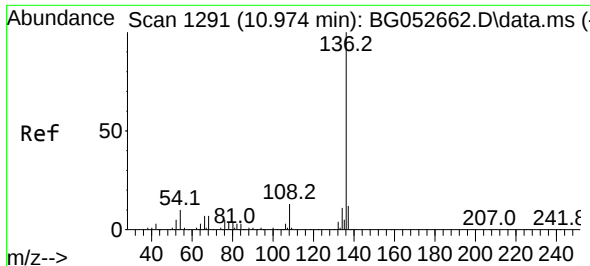
Tgt Ion: 99 Resp: 386241
Ion Ratio Lower Upper
99 100
42 19.5 14.7 22.1
71 40.5 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.903 ng
RT: 9.303 min Scan# 1007
Delta R.T. 0.338 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion: 70 Resp: 44383
Ion Ratio Lower Upper
70 100
42 42.1 46.0 69.0#
101 0.0 6.2 9.4#
130 1.1 17.0 25.4#

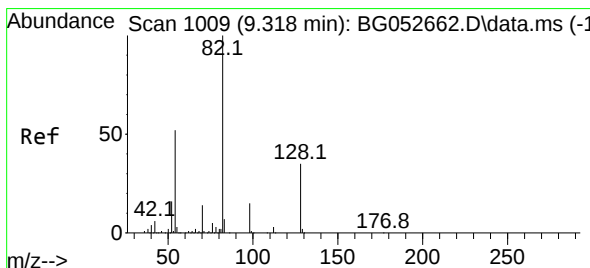
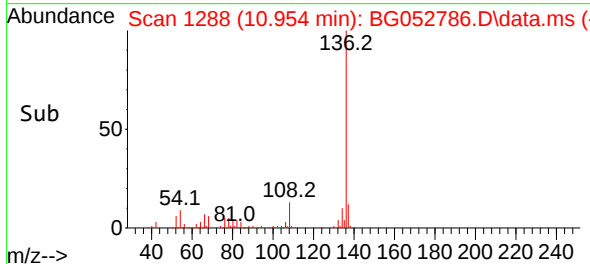
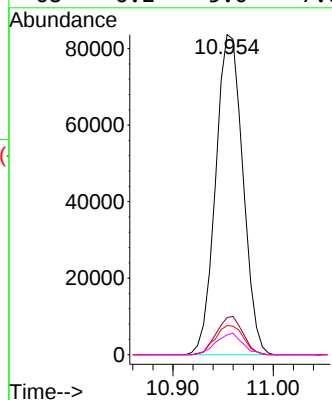
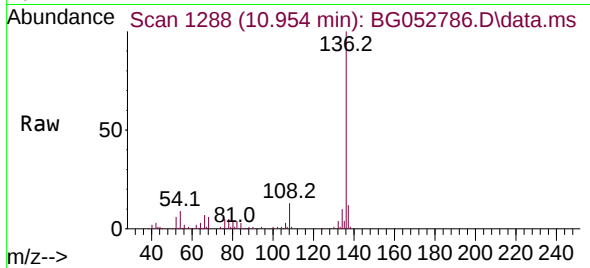




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.954 min Scan# 1107
Delta R.T. -0.020 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

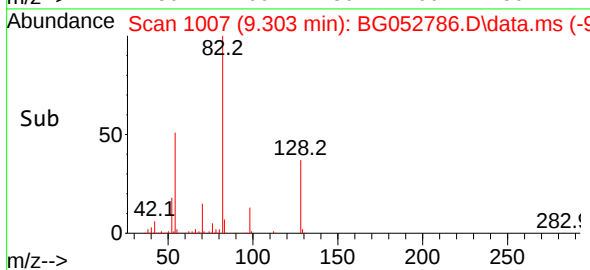
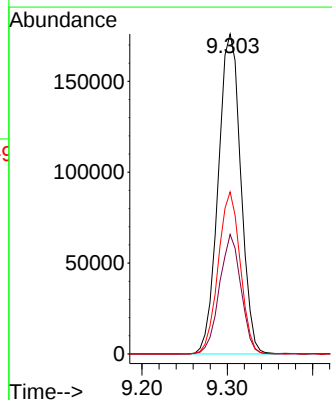
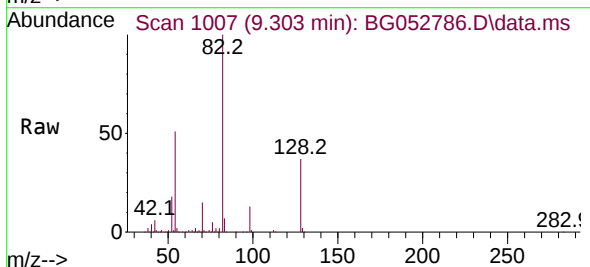
Instrument :
BNA_G
ClientSampleId :
VACLOT-SOIL-2

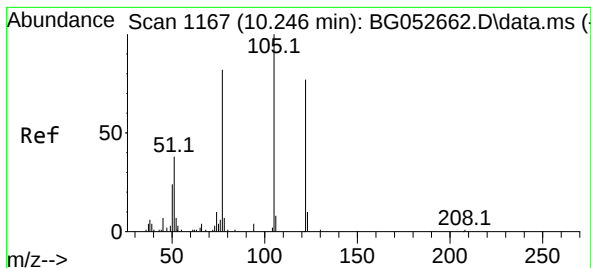
Tgt Ion:136 Resp: 157318
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.2
54 9.1 6.4 9.6
68 6.2 5.0 7.6



#23
Nitrobenzene-d5
Concen: 103.212 ng
RT: 9.303 min Scan# 1007
Delta R.T. -0.015 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion: 82 Resp: 323511
Ion Ratio Lower Upper
82 100
128 37.4 31.3 46.9
54 50.7 37.8 56.8





#32

Benzoic acid

Concen: 5.733 ng

RT: 10.225 min Scan# 1164

Delta R.T. -0.021 min

Lab File: BG052786.D

Acq: 22 Mar 2022 15:18

Instrument :

BNA_G

ClientSampleId :

VACLOT-SOIL-2

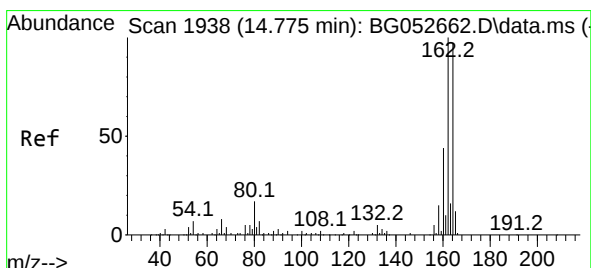
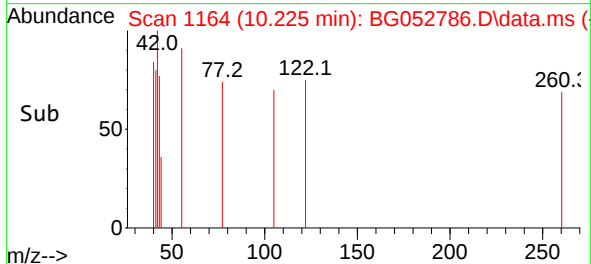
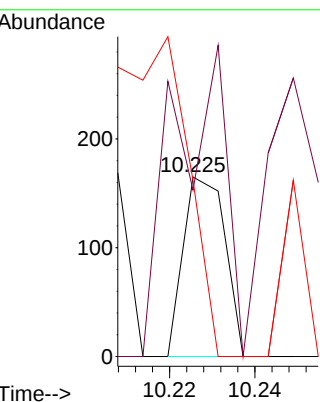
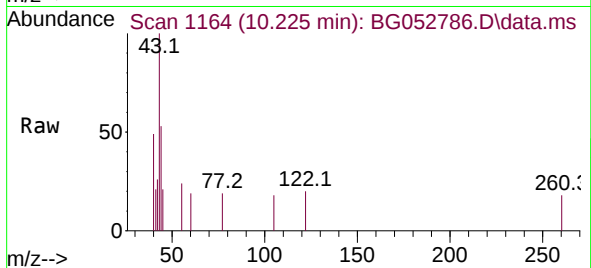
Tgt Ion:122 Resp: 112

Ion Ratio Lower Upper

122 100

105 92.7 112.8 152.8#

77 98.2 78.4 118.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.766 min Scan# 1937

Delta R.T. -0.009 min

Lab File: BG052786.D

Acq: 22 Mar 2022 15:18

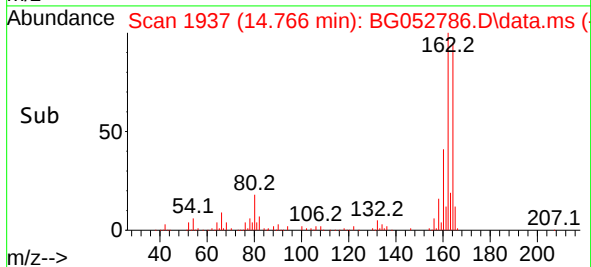
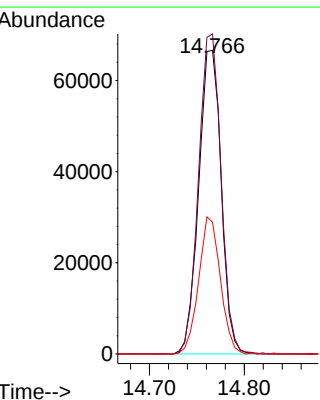
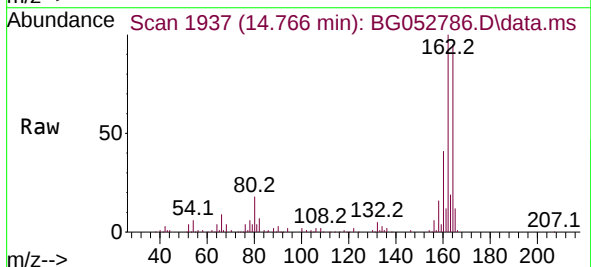
Tgt Ion:164 Resp: 110085

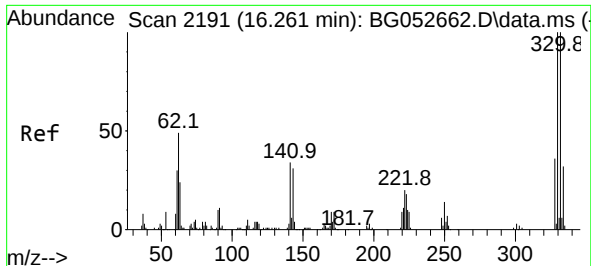
Ion Ratio Lower Upper

164 100

162 105.4 80.0 120.0

160 43.4 38.8 58.2

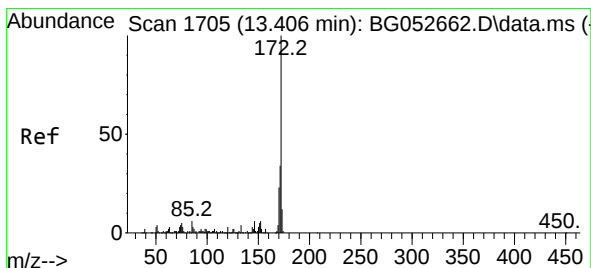
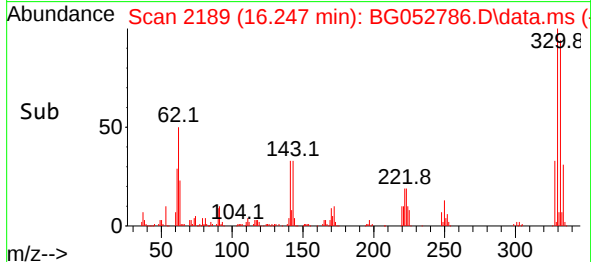
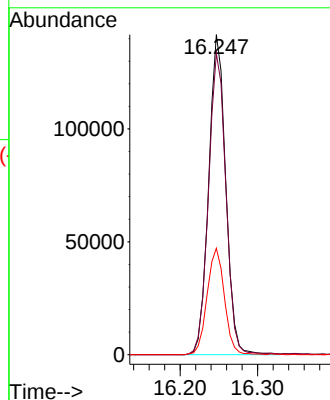
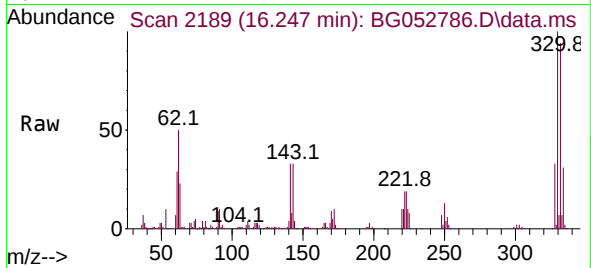




#42
2,4,6-Tribromophenol
Concen: 146.404 ng
RT: 16.247 min Scan# 2191
Delta R.T. -0.015 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

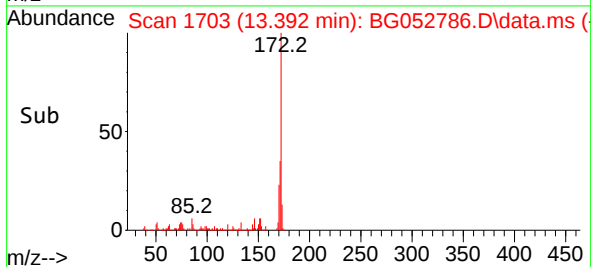
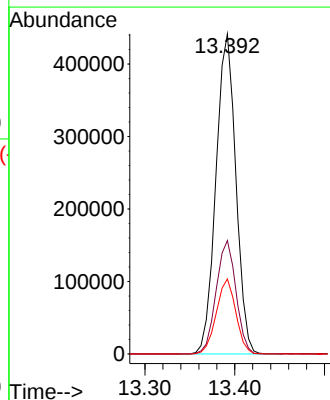
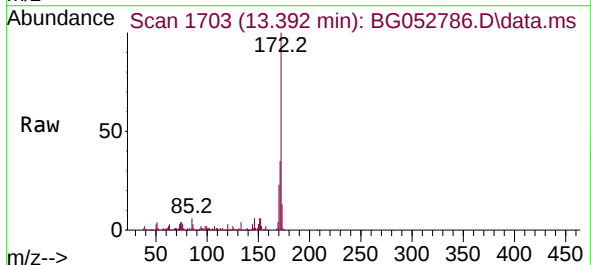
Instrument :
BNA_G
ClientSampleId :
VACLOT-SOIL-2

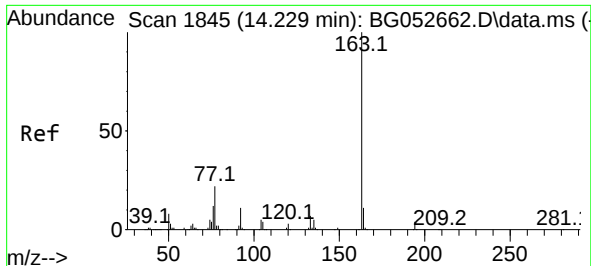
Tgt Ion:330 Resp: 216567
Ion Ratio Lower Upper
330 100
332 96.2 75.8 113.6
141 33.7 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 91.012 ng
RT: 13.392 min Scan# 1703
Delta R.T. -0.015 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion:172 Resp: 679325
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.4 18.0 27.0

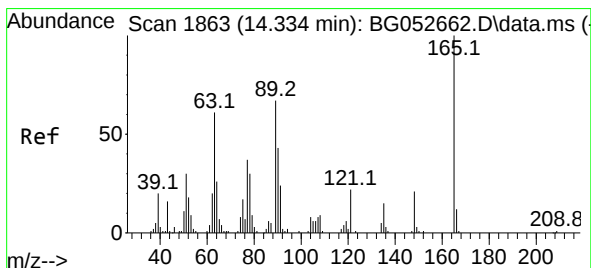
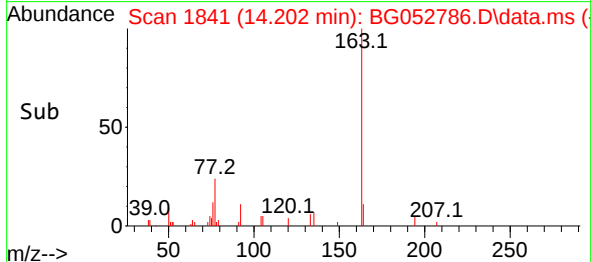
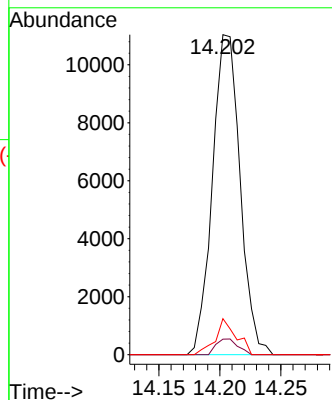
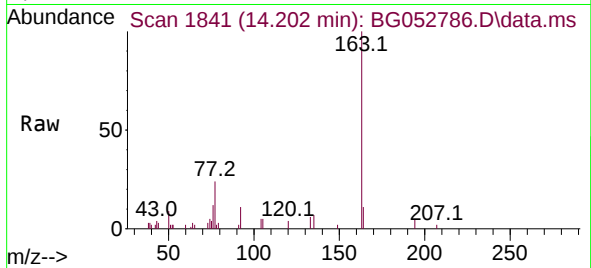




#50
Dimethylphthalate
Concen: 2.130 ng
RT: 14.202 min Scan# 1936
Delta R.T. -0.026 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

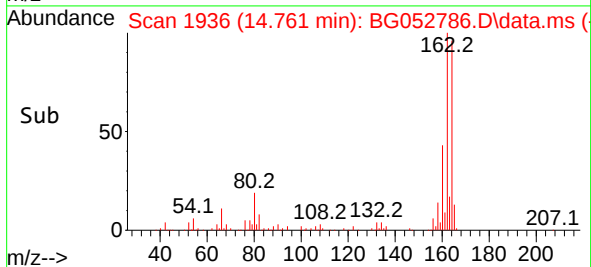
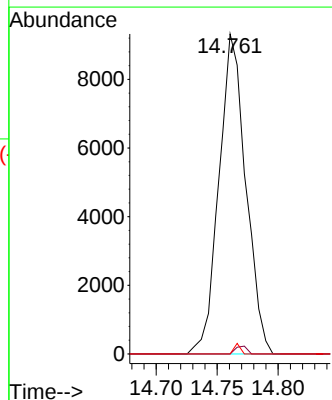
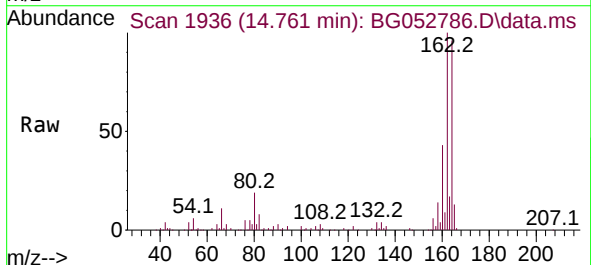
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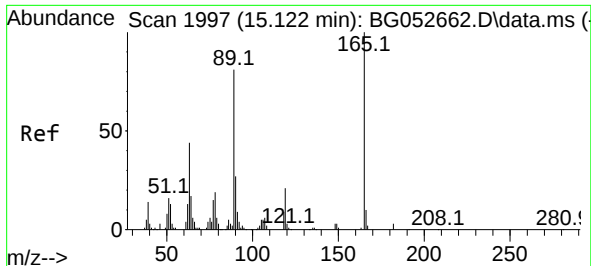
Tgt Ion:163 Resp: 17428
Ion Ratio Lower Upper
163 100
194 4.8 3.3 4.9
164 11.3 8.5 12.7



#51
2,6-Dinitrotoluene
Concen: 10.336 ng
RT: 14.761 min Scan# 1936
Delta R.T. 0.426 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion:165 Resp: 14278
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#

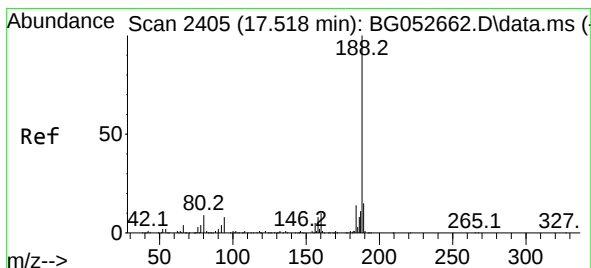
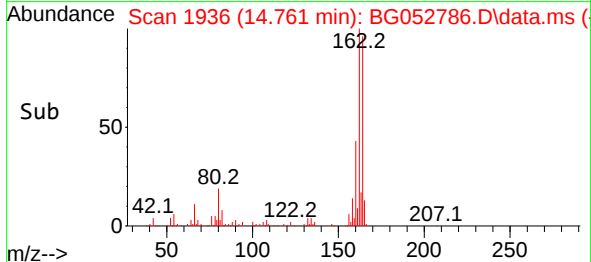
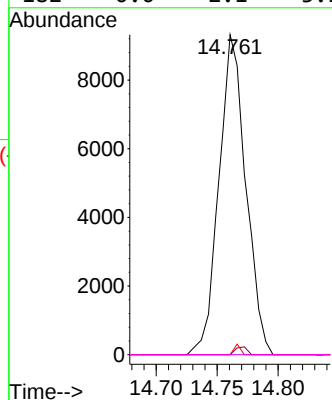
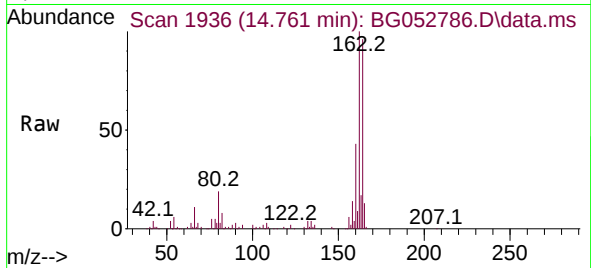




#57
2,4-Dinitrotoluene
Concen: 7.449 ng
RT: 14.761 min Scan# 1997
Delta R.T. -0.361 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

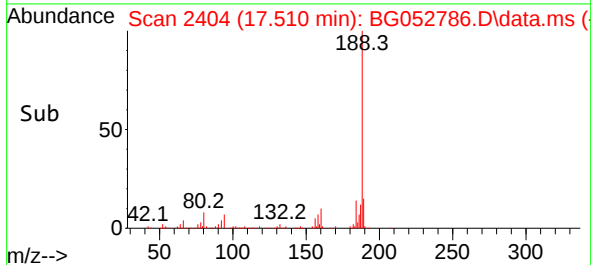
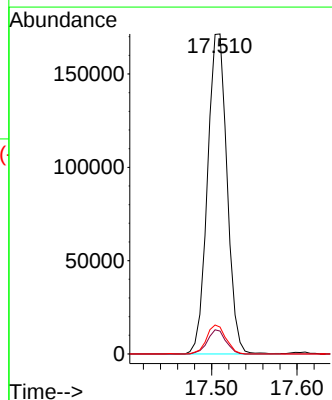
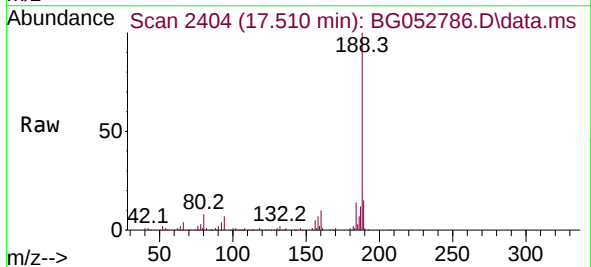
Instrument :
BNA_G
ClientSampleId :
VACLOT-SOIL-2

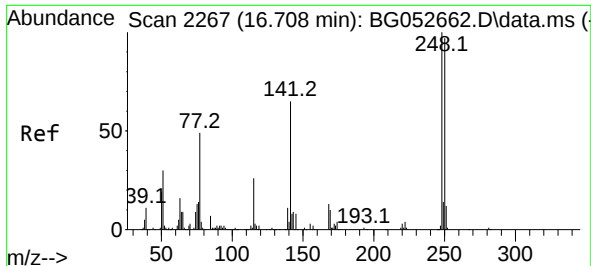
Tgt Ion:165 Resp: 14278
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.510 min Scan# 2404
Delta R.T. -0.009 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion:188 Resp: 272819
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 8.4 7.2 10.8

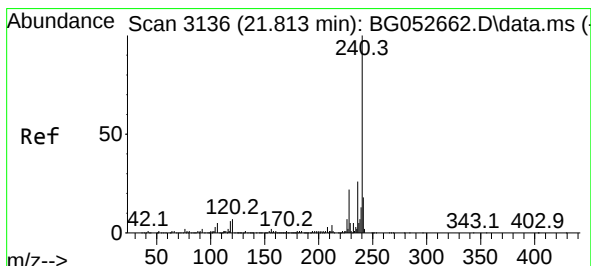
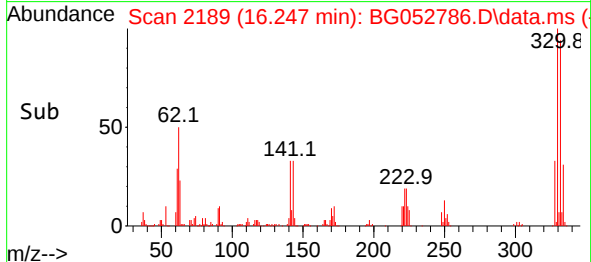
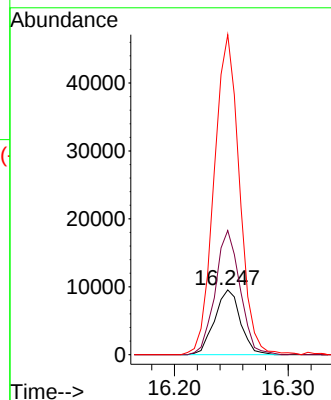
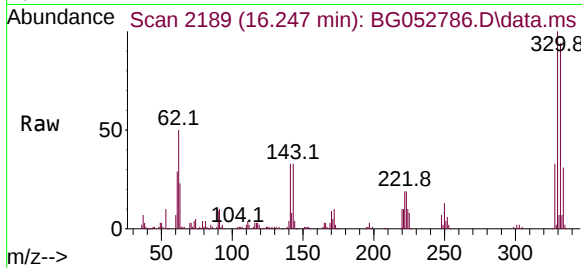




#67
4-Bromophenyl-phenylether
Concen: 4.566 ng
RT: 16.247 min Scan# 2118
Delta R.T. -0.461 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

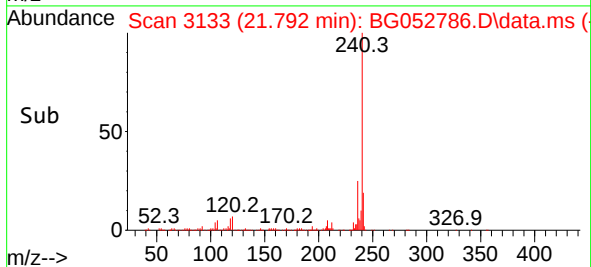
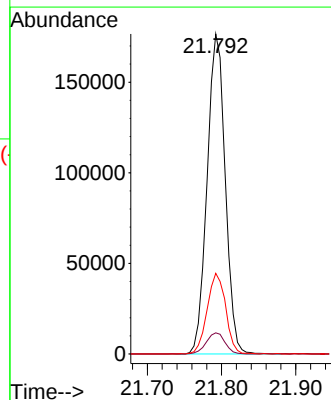
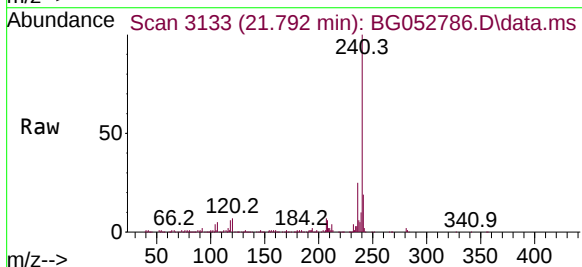
Instrument :
BNA_G
ClientSampleId :
VACLOT-SOIL-2

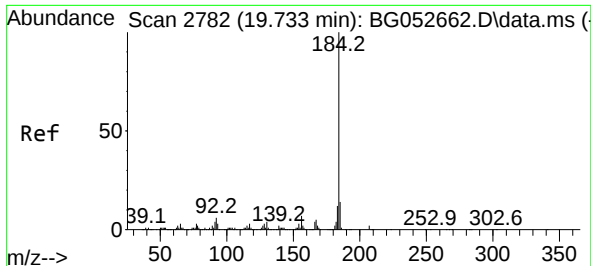
Tgt Ion:248 Resp: 15018
Ion Ratio Lower Upper
248 100
250 191.3 77.9 116.9#
141 493.2 49.2 73.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.792 min Scan# 3133
Delta R.T. -0.020 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion:240 Resp: 299586
Ion Ratio Lower Upper
240 100
120 6.6 5.4 8.0
236 25.2 19.8 29.6

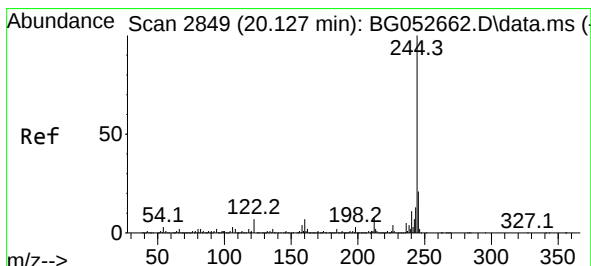
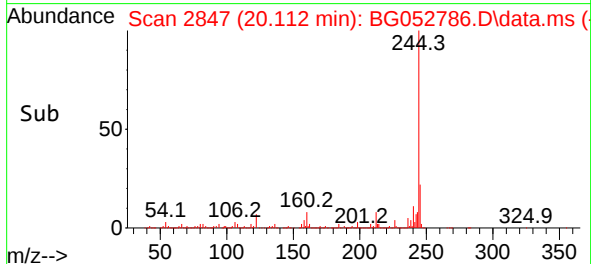
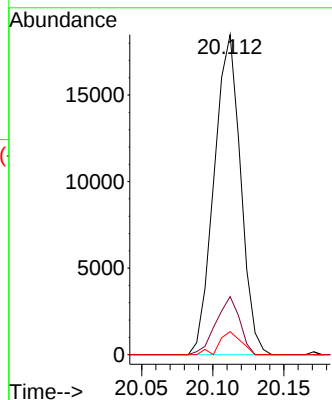
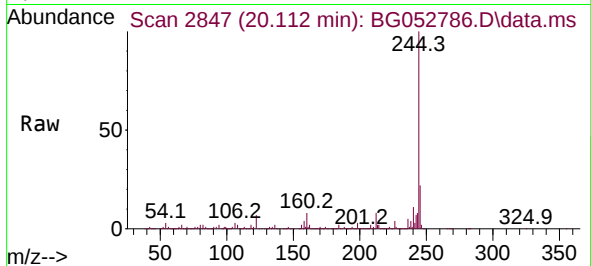




#77
Benzidine
Concen: 3.095 ng
RT: 20.112 min Scan# 2847
Delta R.T. 0.379 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

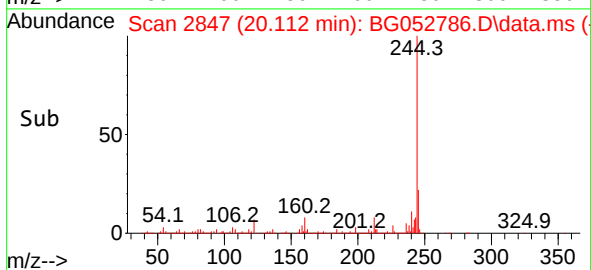
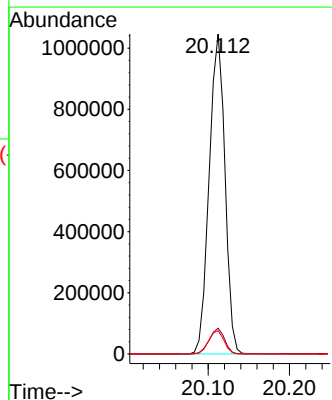
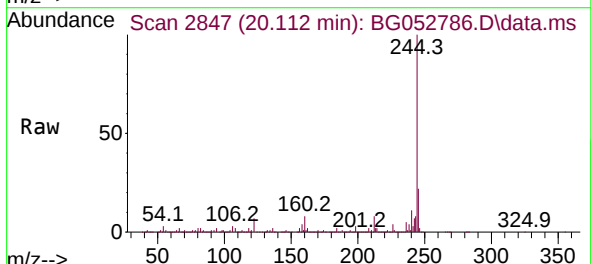
Instrument :
BNA_G
ClientSampleId :
VACLOT-SOIL-2

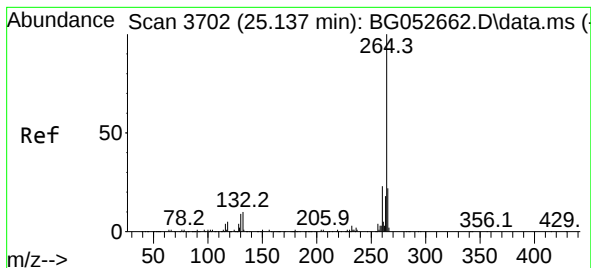
Tgt Ion:184 Resp: 23913
Ion Ratio Lower Upper
184 100
185 18.1 11.5 17.3#
183 7.2 9.4 14.2#



#79
Terphenyl-d14
Concen: 83.524 ng
RT: 20.112 min Scan# 2847
Delta R.T. -0.015 min
Lab File: BG052786.D
Acq: 22 Mar 2022 15:18

Tgt Ion:244 Resp: 1406678
Ion Ratio Lower Upper
244 100
212 8.0 5.4 8.2
122 7.3 5.8 8.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.105 min Scan# 30

Delta R.T. -0.032 min

Lab File: BG052786.D

Acq: 22 Mar 2022 15:18

Instrument :

BNA_G

ClientSampleId :

VACLOT-SOIL-2

Tgt Ion:264 Resp: 292644

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.2

265 21.8 15.1 22.7

