

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070721\
 Data File : BG049203.D
 Acq On : 7 Jul 2021 17:25
 Operator : CG/JU
 Sample : M2947-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BANK-4

Quant Time: Jul 07 18:57:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 06 10:59:02 2021
 Response via : Initial Calibration

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

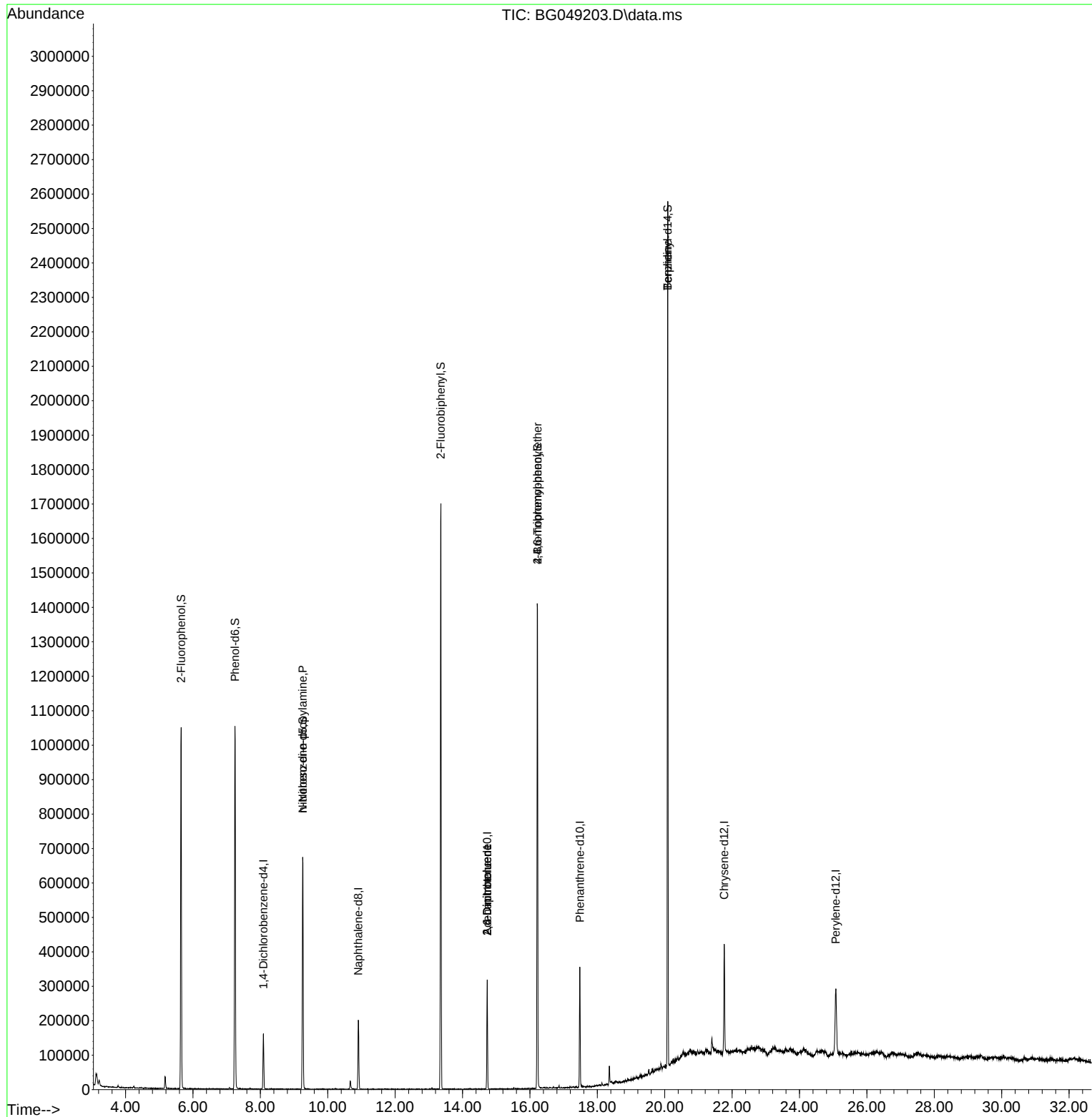
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	42357	20.000	ng	0.00
21) Naphthalene-d8	10.907	136	168587	20.000	ng	# 0.00
39) Acenaphthene-d10	14.732	164	114467	20.000	ng	0.00
64) Phenanthrene-d10	17.482	188	224994	20.000	ng	# 0.00
76) Chrysene-d12	21.765	240	205406	20.000	ng	0.00
86) Perylene-d12	25.079	264	227222	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	433209	160.192	ng	0.01
7) Phenol-d6	7.247	99	560911	145.480	ng	0.00
23) Nitrobenzene-d5	9.256	82	410460	103.225	ng	0.00
42) 2,4,6-Tribromophenol	16.224	330	294567	148.447	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	897045	105.729	ng	0.00
79) Terphenyl-d14	20.090	244	1180683	97.402	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.256	70	61745	22.284	ng	# 70
51) 2,6-Dinitrotoluene	14.732	165	14556	6.912	ng	# 12
57) 2,4-Dinitrotoluene	14.732	165	14556	4.866	ng	# 18
67) 4-Bromophenyl-phenylether	16.224	248	18629	6.137	ng	# 1
77) Benzidine	20.090	184	23499	5.326	ng	# 94

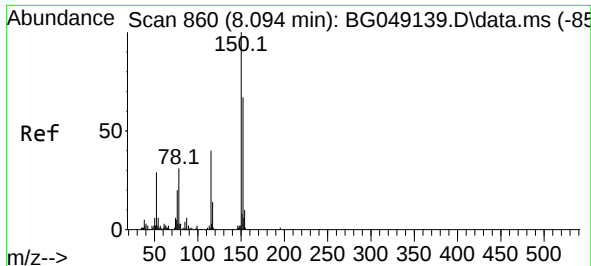
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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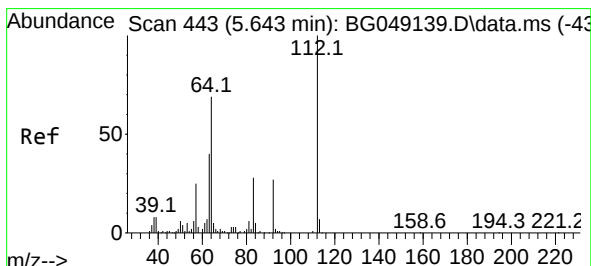
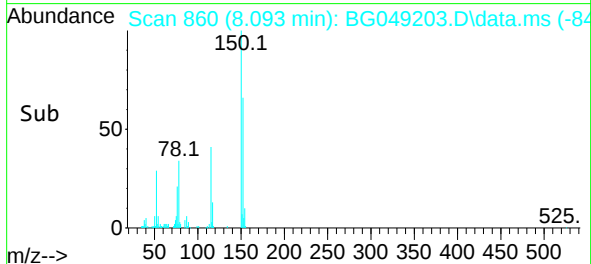
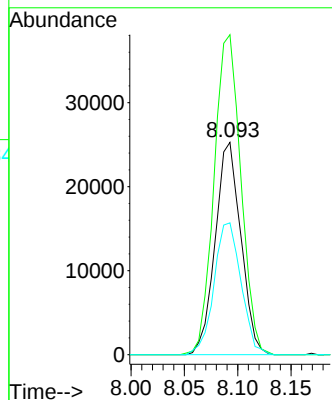
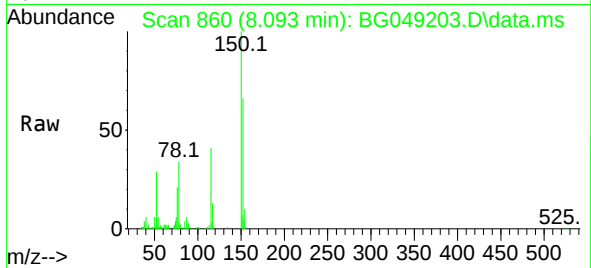




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 860
Delta R.T. 0.002 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

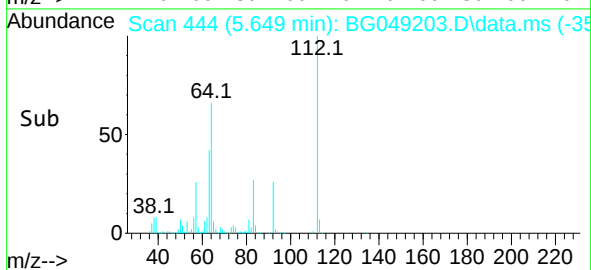
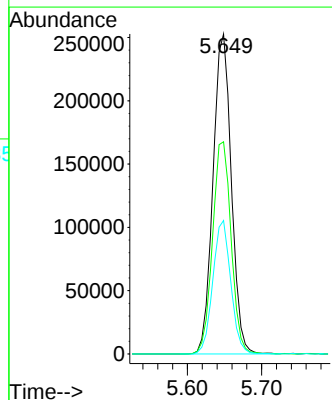
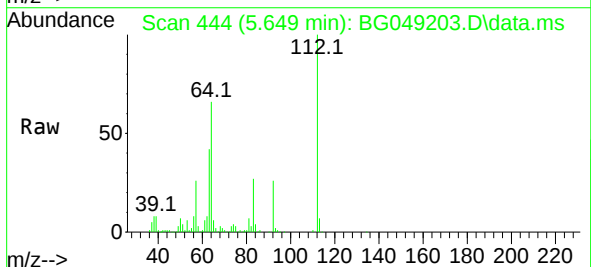
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-4

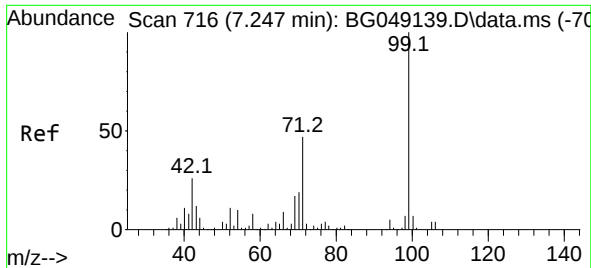
Tgt Ion:152 Resp: 42357
Ion Ratio Lower Upper
152 100
150 150.7 119.4 179.0
115 62.1 60.2 90.4



#5
2-Fluorophenol
Concen: 160.192 ng
RT: 5.649 min Scan# 444
Delta R.T. 0.014 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

Tgt Ion:112 Resp: 433209
Ion Ratio Lower Upper
112 100
64 66.3 46.7 70.1
63 41.7 35.3 52.9

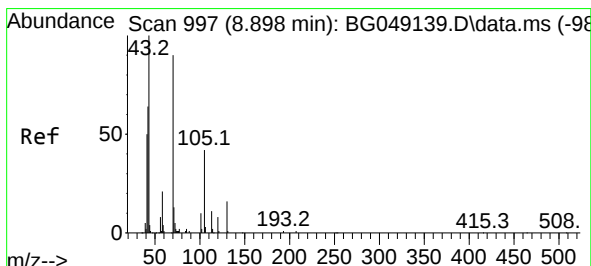
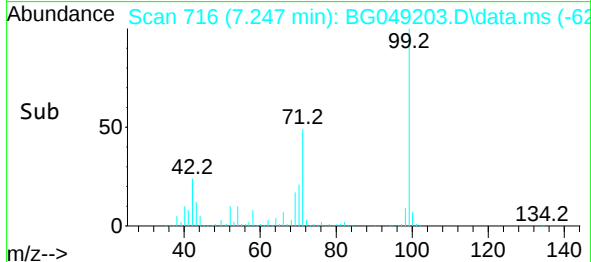
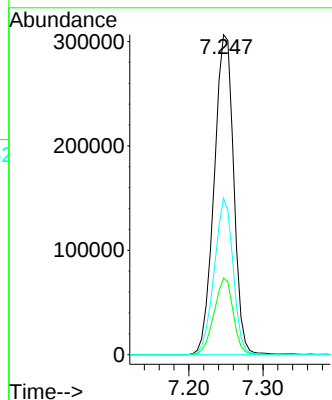
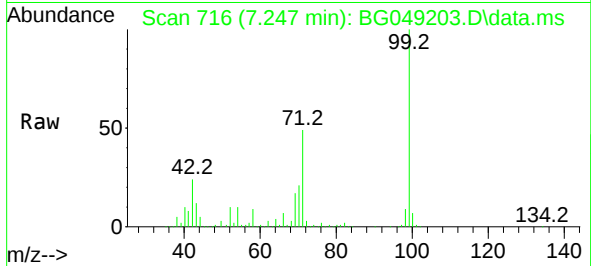




#7
Phenol-d6
Concen: 145.480 ng
RT: 7.247 min Scan# 716
Delta R.T. 0.008 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

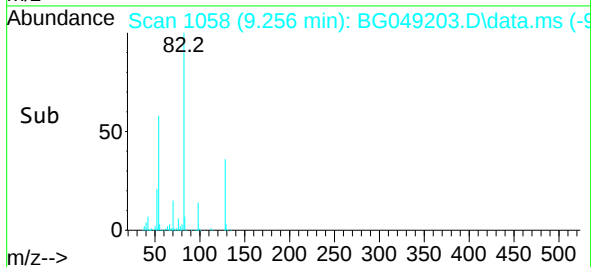
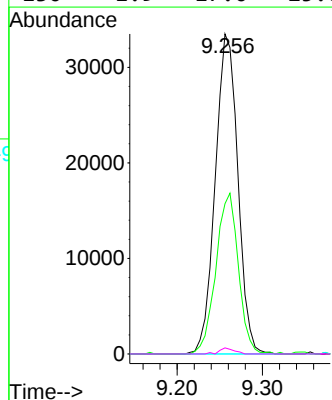
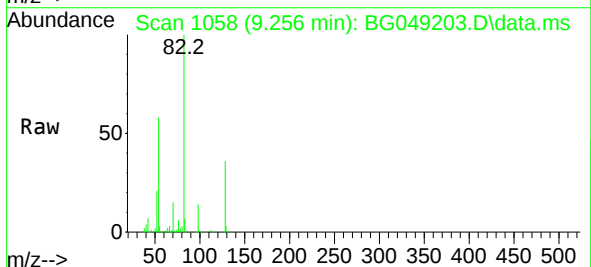
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-4

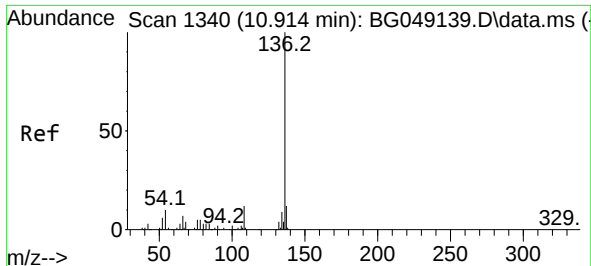
Tgt Ion: 99 Resp: 560911
Ion Ratio Lower Upper
99 100
42 24.0 20.5 30.7
71 49.0 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 22.284 ng
RT: 9.256 min Scan# 1058
Delta R.T. 0.361 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

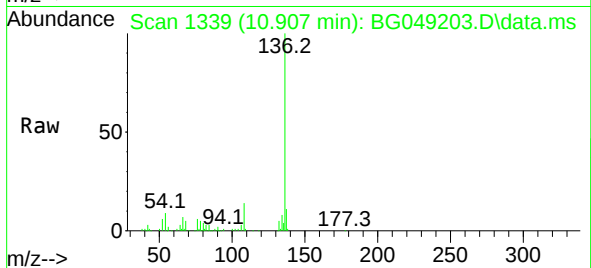
Tgt Ion: 70 Resp: 61745
Ion Ratio Lower Upper
70 100
42 46.9 54.5 81.7#
101 0.0 9.0 13.6#
130 1.9 17.0 25.6#



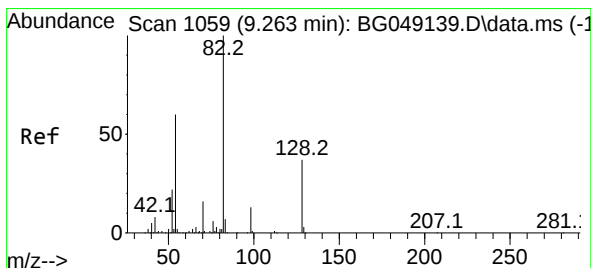
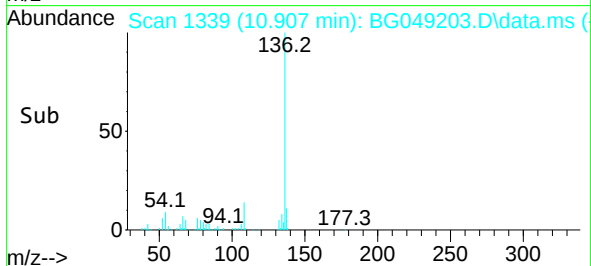
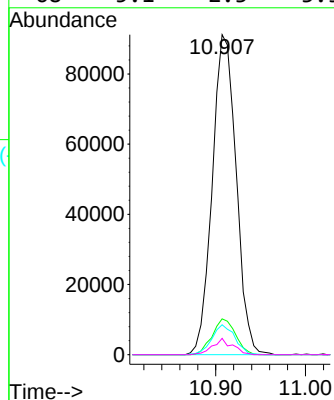


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.907 min Scan# 1339
Delta R.T. 0.002 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-4

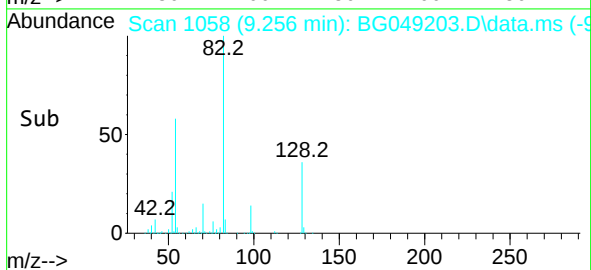
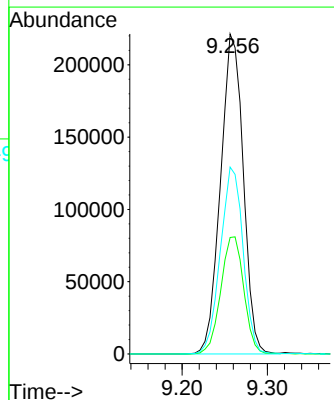
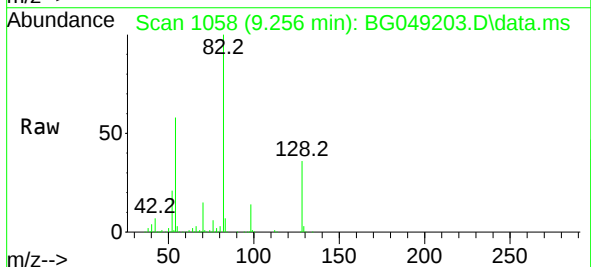


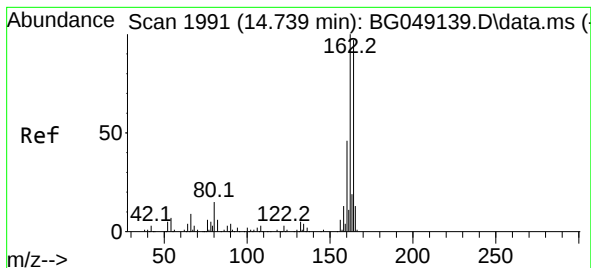
Tgt Ion:136 Resp: 168587
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 9.3 5.5 8.3#
68 5.1 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 103.225 ng
RT: 9.256 min Scan# 1058
Delta R.T. 0.002 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

Tgt Ion: 82 Resp: 410460
Ion Ratio Lower Upper
82 100
128 36.4 29.8 44.6
54 58.4 45.8 68.8

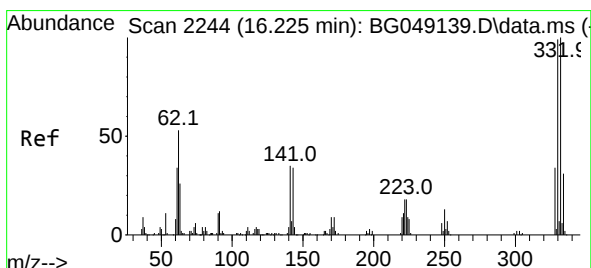
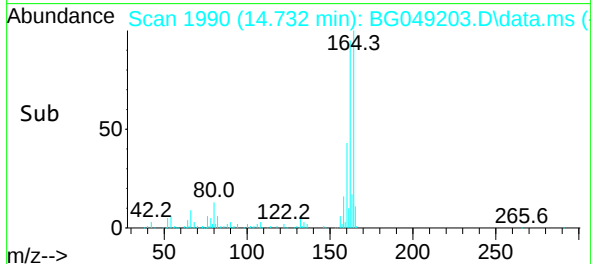
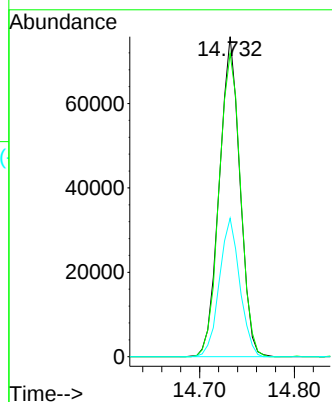
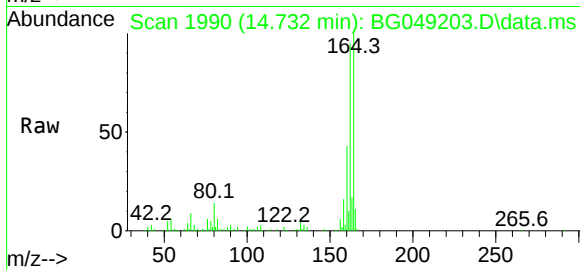




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.732 min Scan# 1990
Delta R.T. 0.002 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

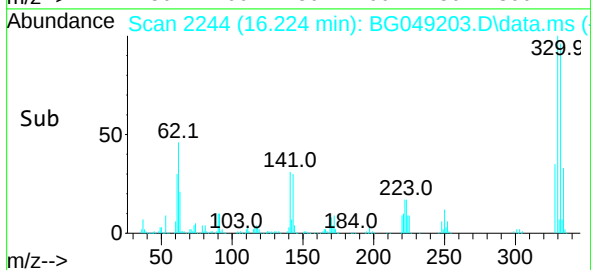
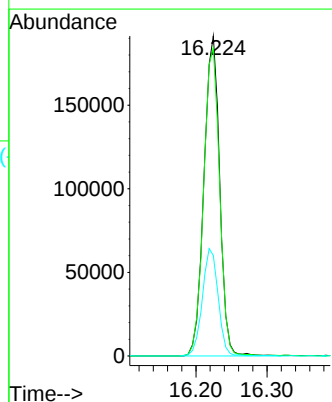
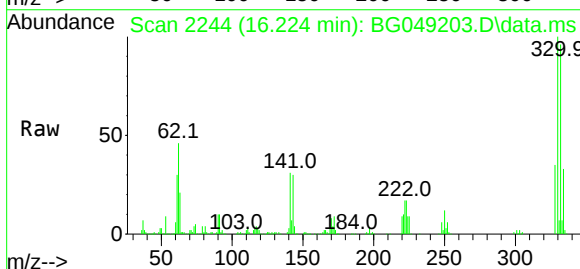
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-4

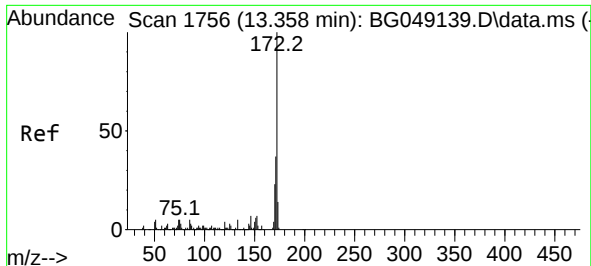
Tgt Ion:164 Resp: 114467
Ion Ratio Lower Upper
164 100
162 94.7 81.4 122.0
160 43.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 148.447 ng
RT: 16.224 min Scan# 2244
Delta R.T. 0.008 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

Tgt Ion:330 Resp: 294567
Ion Ratio Lower Upper
330 100
332 97.7 77.3 115.9
141 33.7 35.6 53.4#

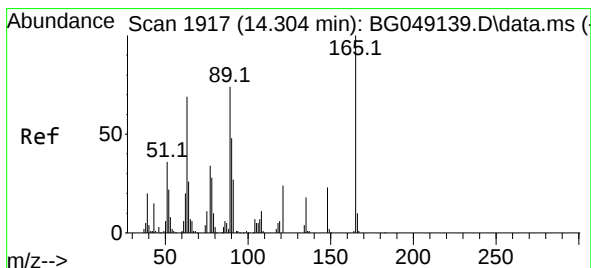
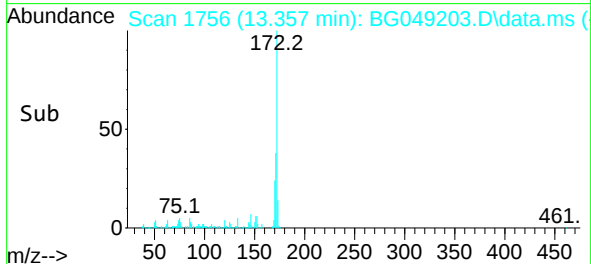
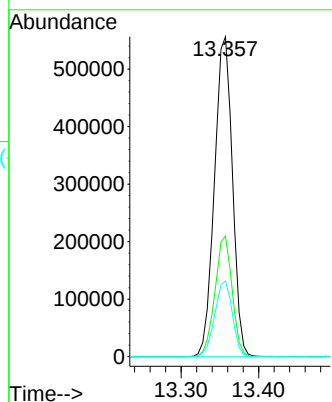
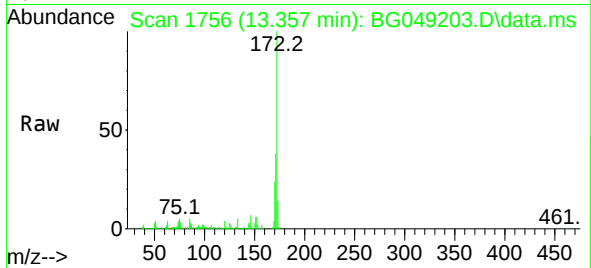




#45
2-Fluorobiphenyl
Concen: 105.729 ng
RT: 13.357 min Scan# 1756
Delta R.T. 0.008 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

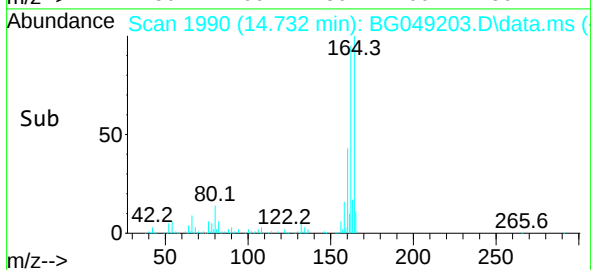
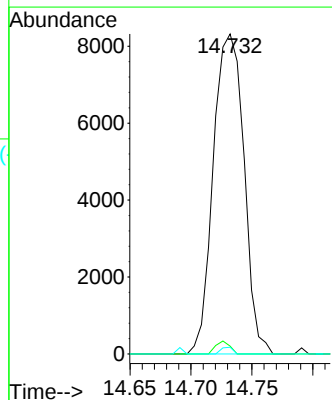
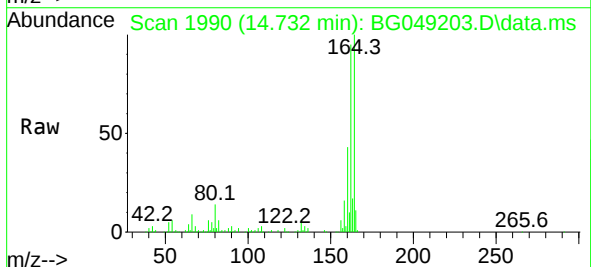
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-4

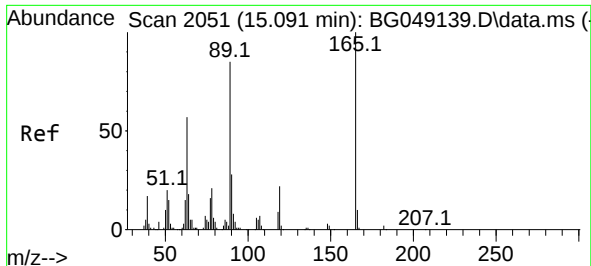
Tgt Ion:172 Resp: 897045
Ion Ratio Lower Upper
172 100
171 37.7 28.6 43.0
170 23.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 6.912 ng
RT: 14.732 min Scan# 1990
Delta R.T. 0.437 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

Tgt Ion:165 Resp: 14556
Ion Ratio Lower Upper
165 100
63 2.5 63.3 94.9#
89 2.1 63.4 95.0#

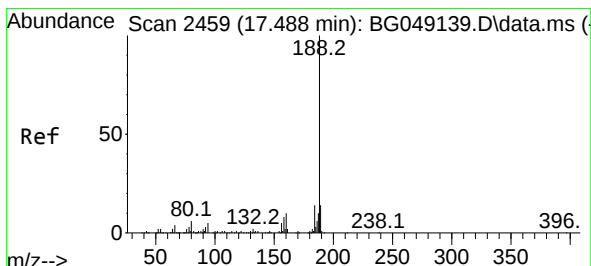
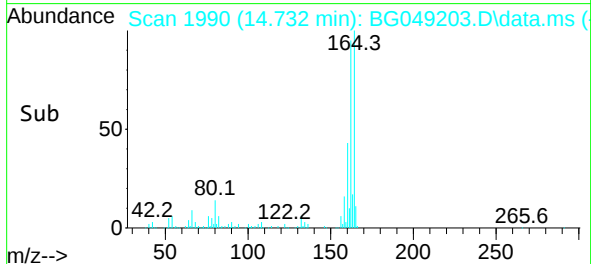
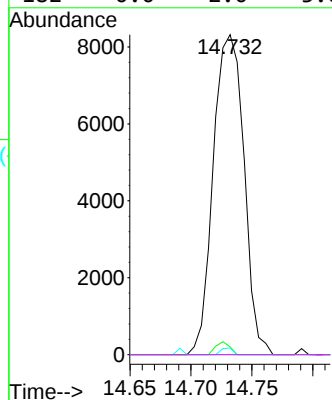
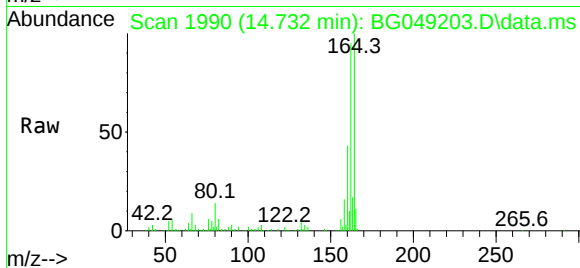




#57
2,4-Dinitrotoluene
Concen: 4.866 ng
RT: 14.732 min Scan# 1990
Delta R.T. -0.350 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

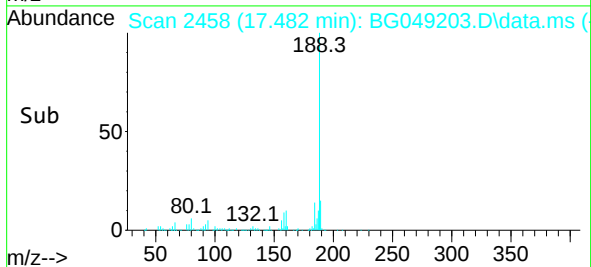
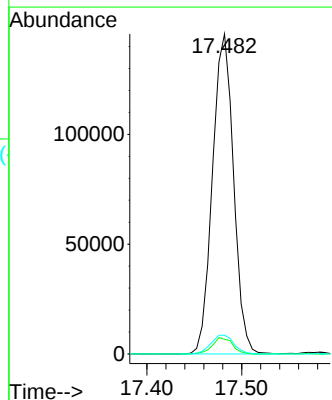
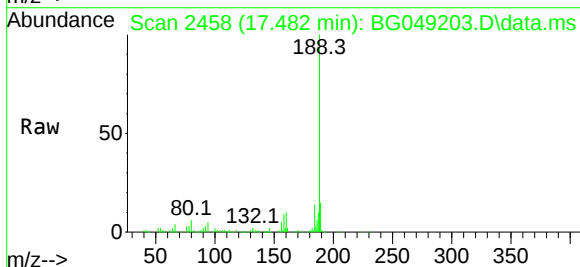
Instrument :
BNA_G
ClientSampled :
SOIL-BANK-4

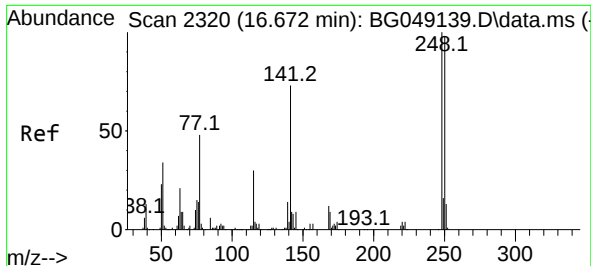
Tgt Ion:165 Resp: 14556
Ion Ratio Lower Upper
165 100
63 2.5 48.0 72.0#
89 2.1 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.482 min Scan# 2458
Delta R.T. 0.002 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

Tgt Ion:188 Resp: 224994
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 5.9 3.7 5.5#

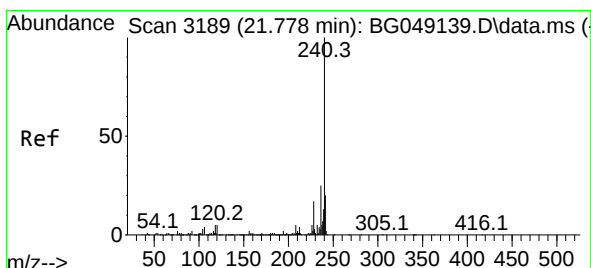
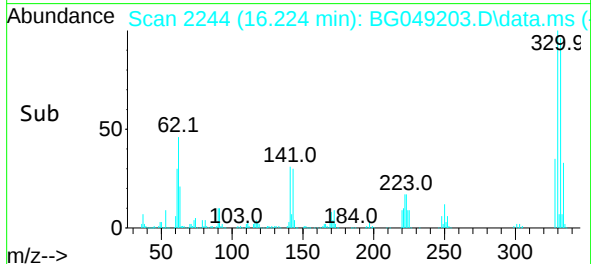
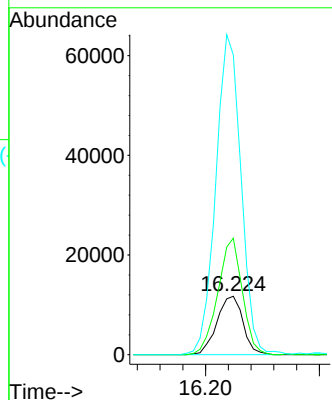
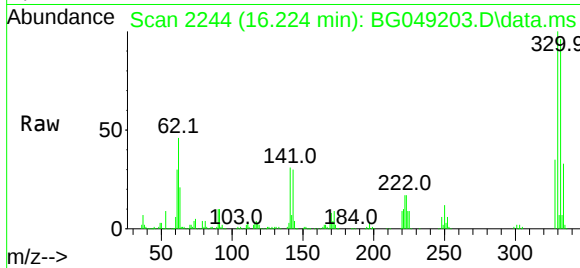




#67
4-Bromophenyl-phenylether
Concen: 6.137 ng
RT: 16.224 min Scan# 2244
Delta R.T. -0.438 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

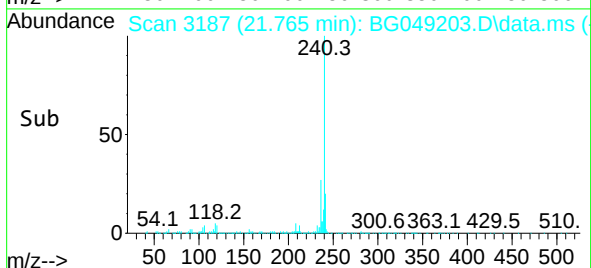
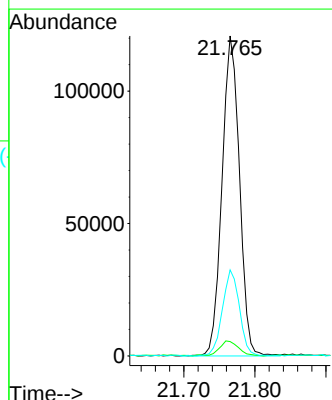
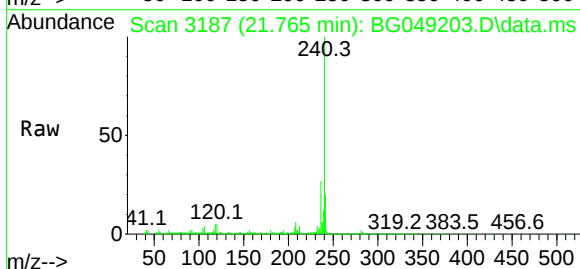
Instrument :
BNA_G
ClientSampled :
SOIL-BANK-4

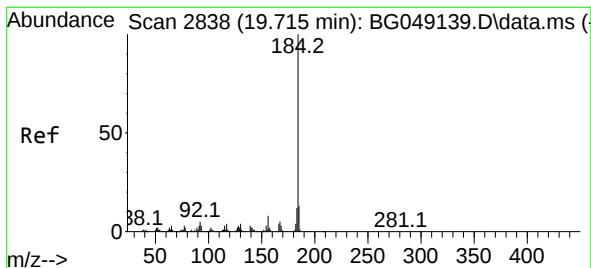
Tgt Ion:248 Resp: 18629
Ion Ratio Lower Upper
248 100
250 199.4 76.1 114.1#
141 513.1 65.4 98.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.765 min Scan# 3187
Delta R.T. 0.002 min
Lab File: BG049203.D
Acq: 7 Jul 2021 17:25

Tgt Ion:240 Resp: 205406
Ion Ratio Lower Upper
240 100
120 4.5 4.2 6.2
236 26.9 21.8 32.6





#77

Benzidine

Concen: 5.326 ng

RT: 20.090 min Scan# 2902

Delta R.T. 0.384 min

Lab File: BG049203.D

Acq: 7 Jul 2021 17:25

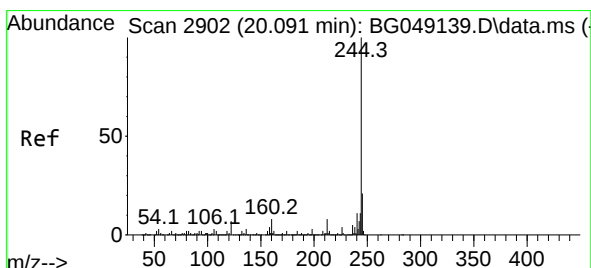
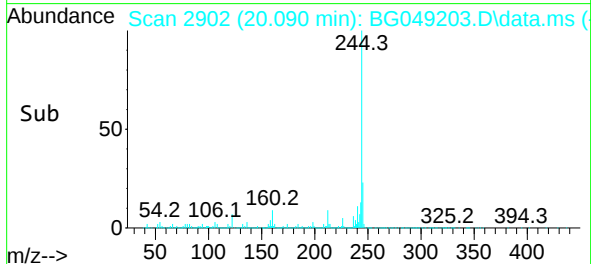
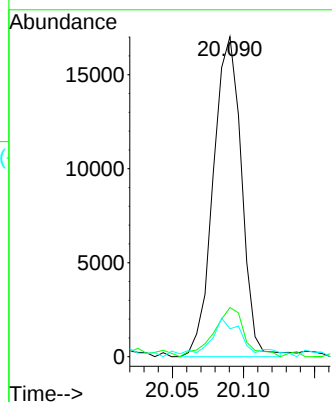
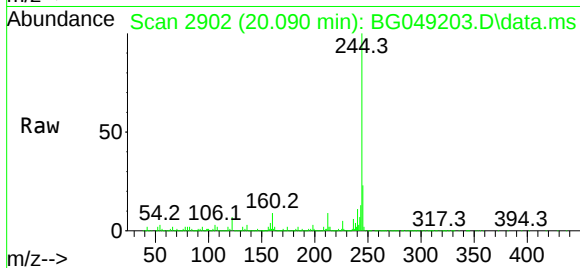
Tgt Ion:184 Resp: 23499

Ion Ratio Lower Upper

184 100

185 15.3 10.7 16.1

183 8.7 9.4 14.0#



#79

Terphenyl-d14

Concen: 97.402 ng

RT: 20.090 min Scan# 2902

Delta R.T. 0.008 min

Lab File: BG049203.D

Acq: 7 Jul 2021 17:25

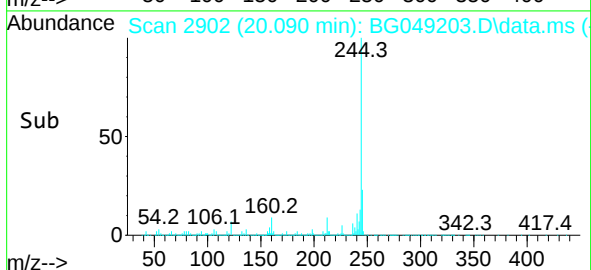
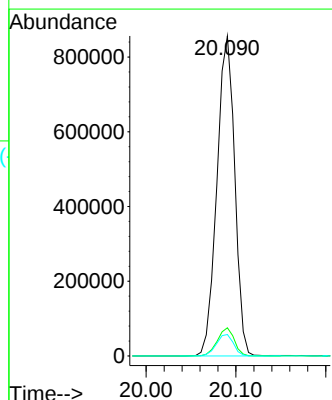
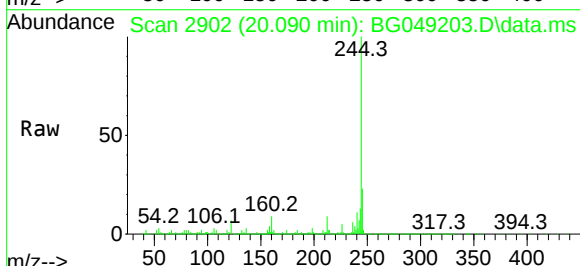
Tgt Ion:244 Resp: 1180683

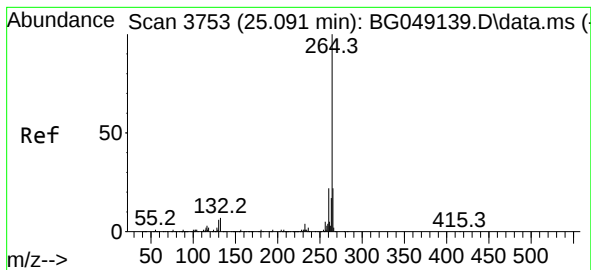
Ion Ratio Lower Upper

244 100

212 8.8 6.9 10.3

122 6.7 5.0 7.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.079 min Scan# 3751
 Delta R.T. 0.014 min
 Lab File: BG049203.D
 Acq: 7 Jul 2021 17:25

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BANK-4

Tgt Ion:264 Resp: 227222
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.2
 265 21.3 16.9 25.3

