

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070721\
 Data File : BG049210.D
 Acq On : 7 Jul 2021 22:14
 Operator : CG/JU
 Sample : M2947-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BANK-3

Quant Time: Jul 08 02:22:16 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)

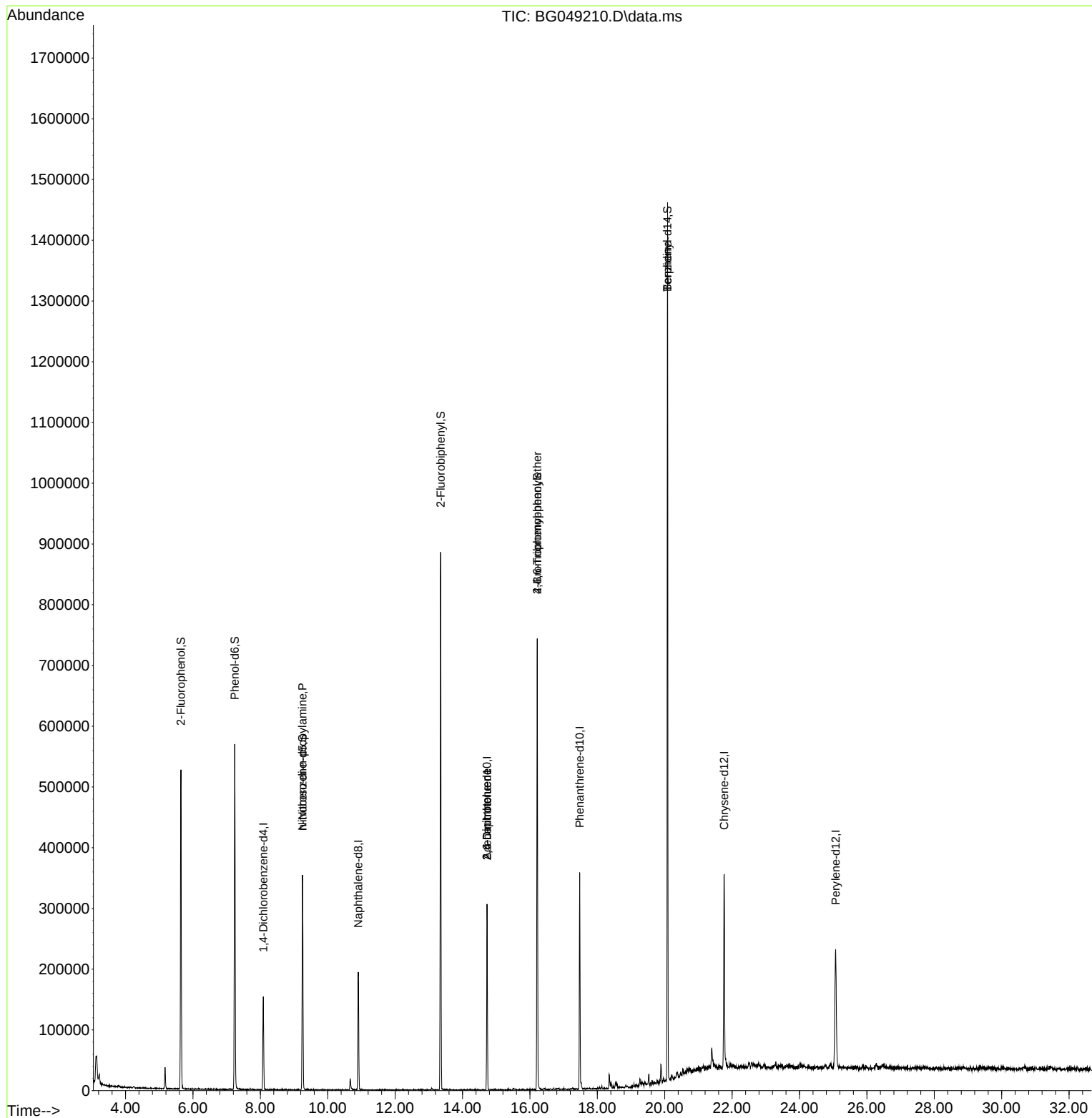
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	41266	20.00	ng	0.00
21) Naphthalene-d8	10.909	136	160886	20.00	ng	# 0.00
39) Acenaphthene-d10	14.728	164	109812	20.00	ng	0.00
64) Phenanthrene-d10	17.477	188	223851	20.00	ng	# 0.00
76) Chrysene-d12	21.767	240	216115	20.00	ng	0.00
86) Perylene-d12	25.074	264	224695	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	221279	83.99	ng	0.00
7) Phenol-d6	7.242	99	287075	76.43	ng	0.00
23) Nitrobenzene-d5	9.252	82	212542	56.01	ng	0.00
42) 2,4,6-Tribromophenol	16.220	330	151277	79.47	ng	0.00
45) 2-Fluorobiphenyl	13.353	172	467140	57.39	ng	0.00
79) Terphenyl-d14	20.086	244	681364	53.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.252	70	31053	11.50	ng	# 70
51) 2,6-Dinitrotoluene	14.728	165	14647	7.25	ng	# 10
57) 2,4-Dinitrotoluene	14.728	165	14647	5.10	ng	# 15
67) 4-Bromophenyl-phenylether	16.220	248	8959	2.97	ng	# 1
77) Benzidine	20.086	184	12366	2.66	ng	# 88

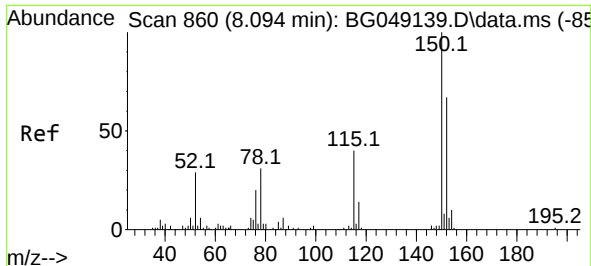
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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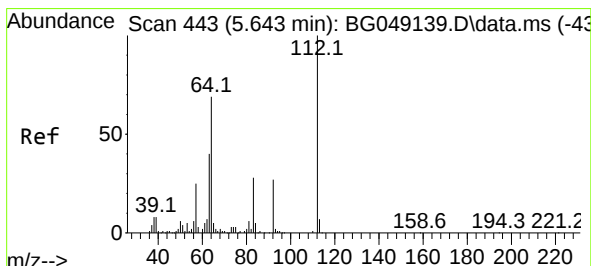
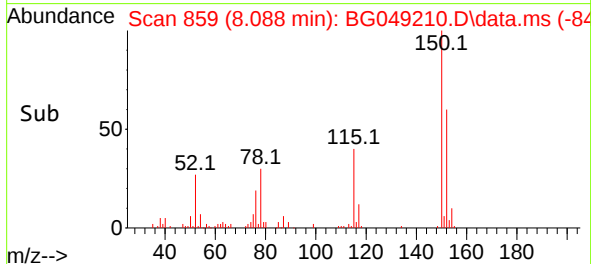
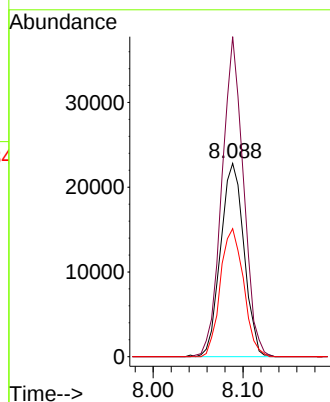
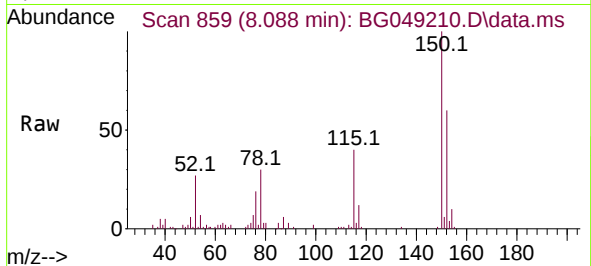




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.088 min Scan# 859
Delta R.T. -0.003 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

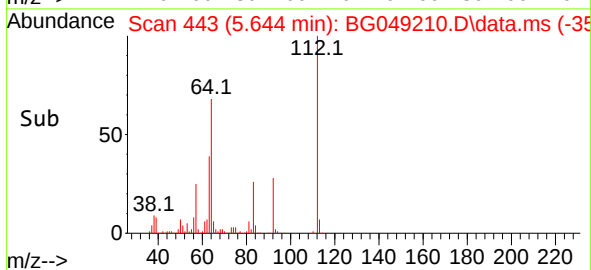
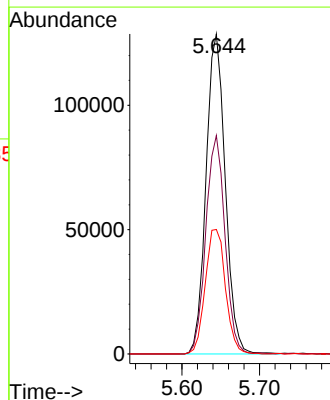
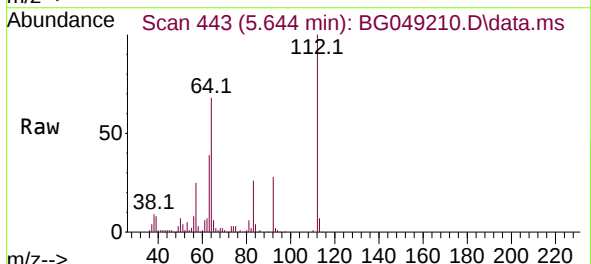
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-3

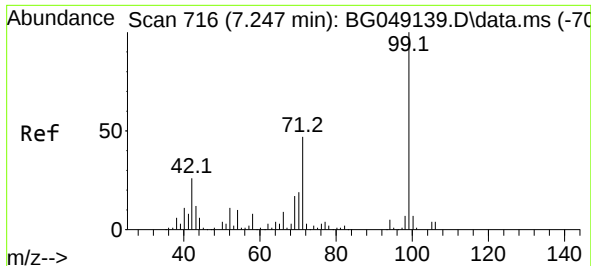
Tgt Ion:152 Resp: 41266
Ion Ratio Lower Upper
152 100
150 165.5 119.4 179.0
115 66.2 60.2 90.4



#5
2-Fluorophenol
Concen: 83.99 ng
RT: 5.644 min Scan# 443
Delta R.T. 0.010 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Tgt Ion:112 Resp: 221279
Ion Ratio Lower Upper
112 100
64 68.2 46.7 70.1
63 38.9 35.3 52.9

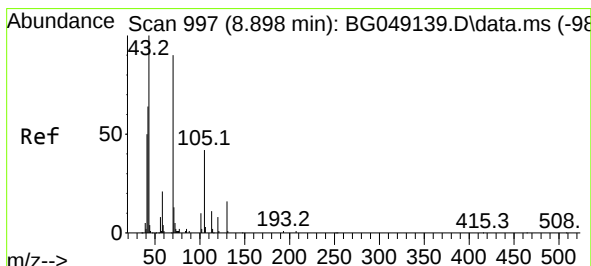
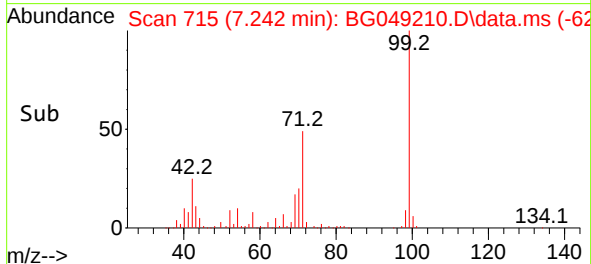
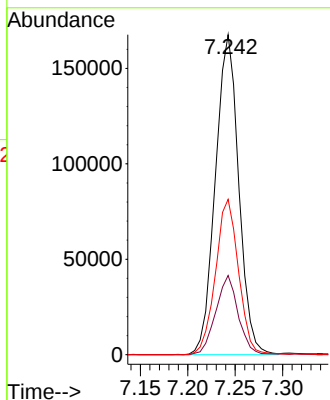
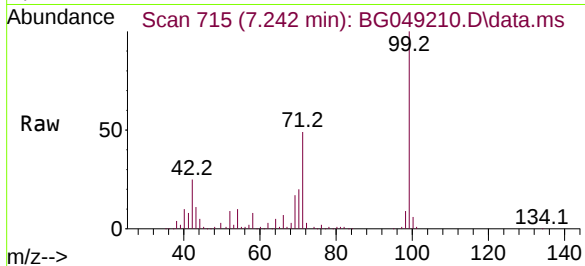




#7
Phenol-d6
Concen: 76.43 ng
RT: 7.242 min Scan# 715
Delta R.T. 0.004 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

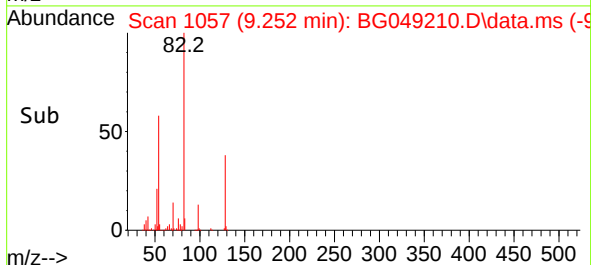
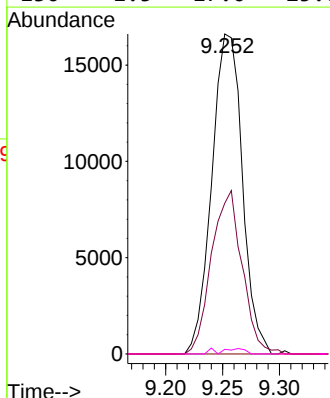
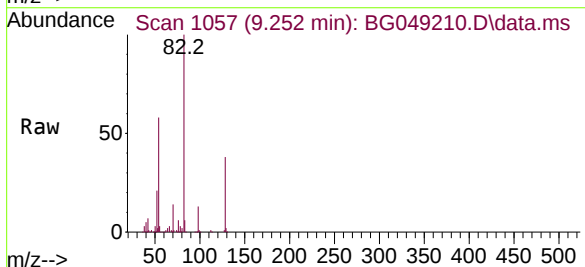
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-3

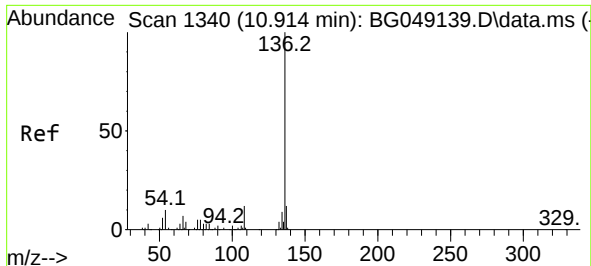
Tgt Ion: 99 Resp: 287075
Ion Ratio Lower Upper
99 100
42 24.8 20.5 30.7
71 48.6 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.50 ng
RT: 9.252 min Scan# 1057
Delta R.T. 0.356 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

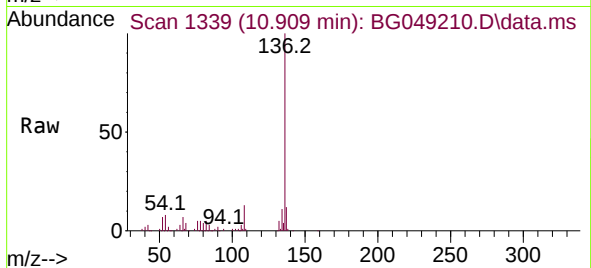
Tgt Ion: 70 Resp: 31053
Ion Ratio Lower Upper
70 100
42 47.1 54.5 81.7#
101 0.0 9.0 13.6#
130 1.5 17.0 25.6#



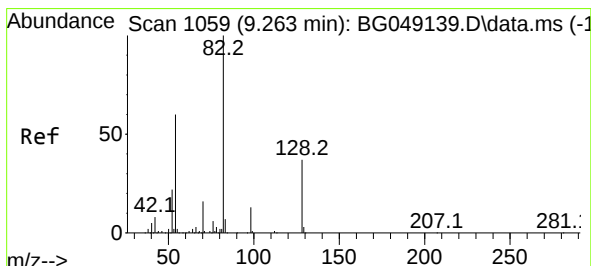
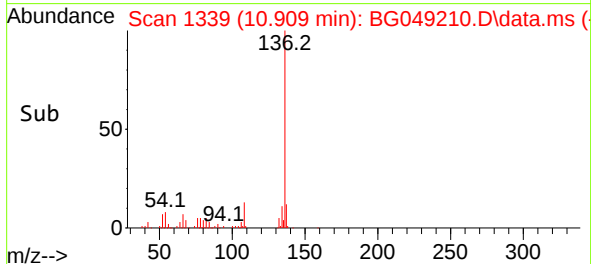
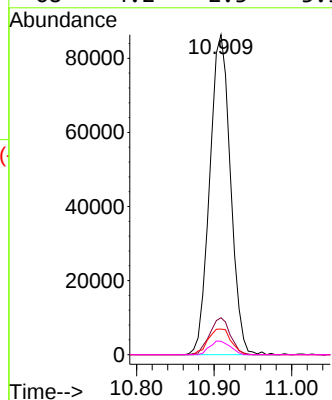


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.909 min Scan# 1339
Delta R.T. 0.004 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-3

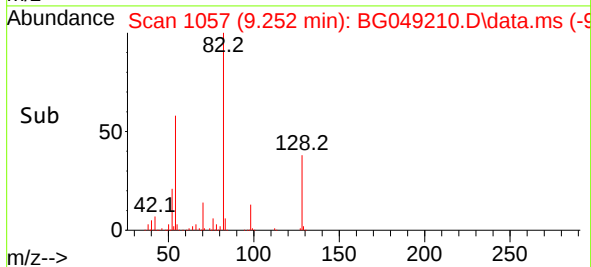
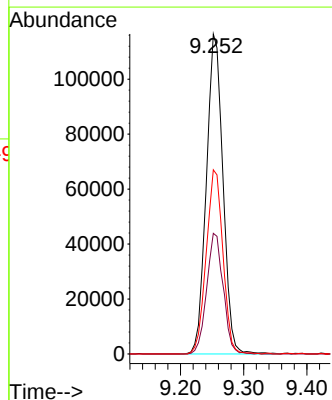
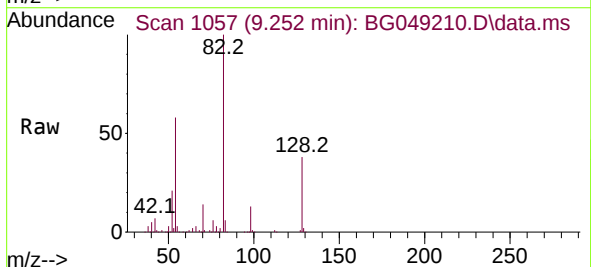


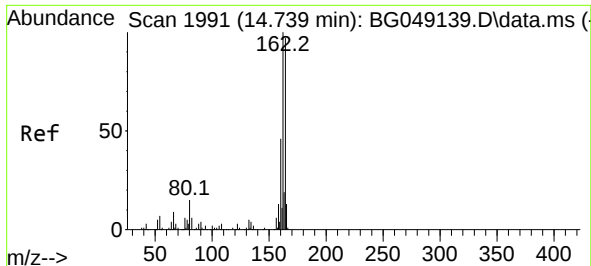
Tgt Ion:136 Resp: 160886
Ion Ratio Lower Upper
136 100
137 11.6 8.2 12.2
54 8.0 5.5 8.3
68 4.2 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 56.01 ng
RT: 9.252 min Scan# 1057
Delta R.T. -0.002 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Tgt Ion: 82 Resp: 212542
Ion Ratio Lower Upper
82 100
128 37.7 29.8 44.6
54 57.6 45.8 68.8

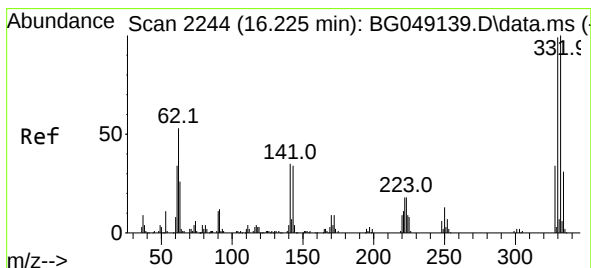
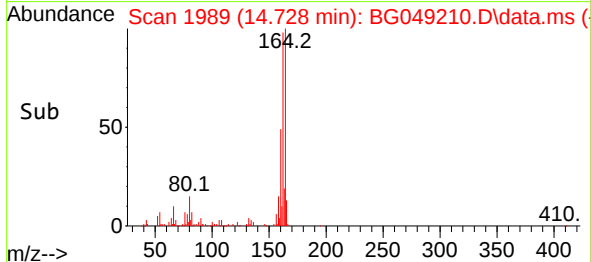
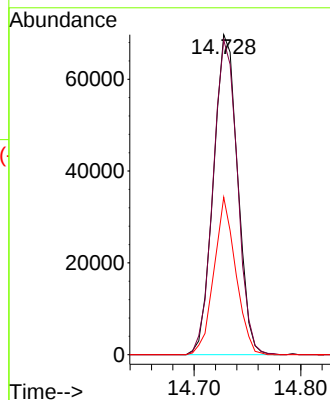
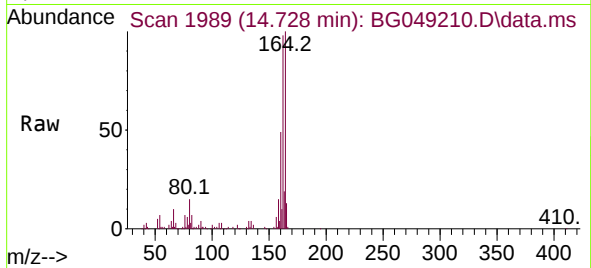




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.728 min Scan# 1989
Delta R.T. -0.002 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

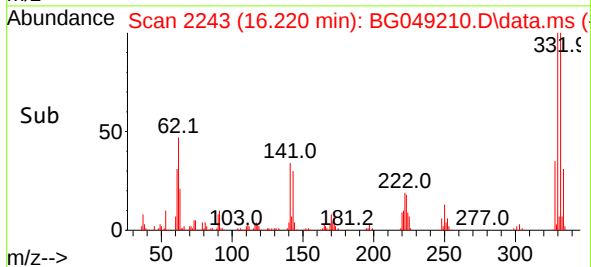
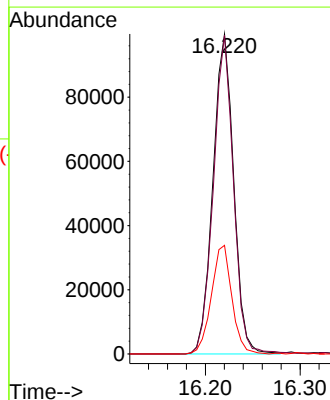
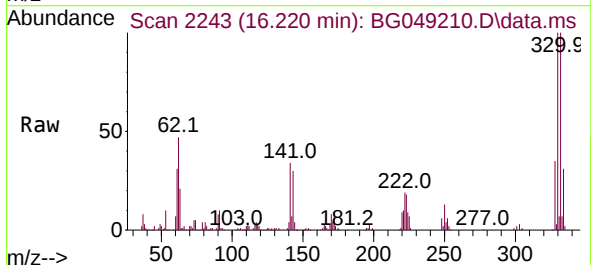
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-3

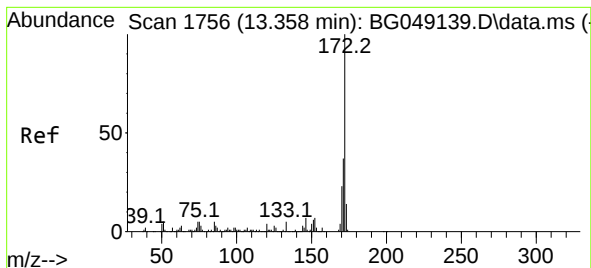
Tgt Ion:164 Resp: 109812
Ion Ratio Lower Upper
164 100
162 98.4 81.4 122.0
160 49.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 79.47 ng
RT: 16.220 min Scan# 2243
Delta R.T. 0.004 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Tgt Ion:330 Resp: 151277
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 33.6 35.6 53.4#

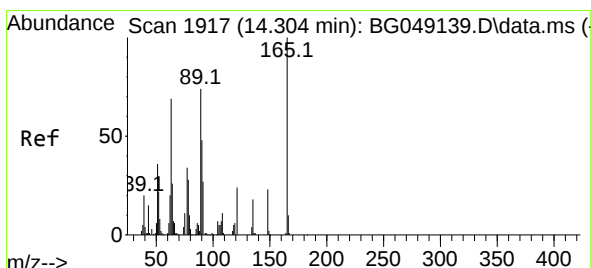
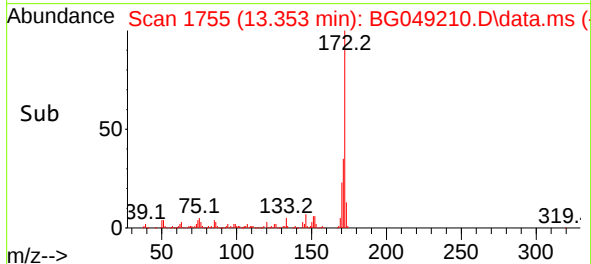
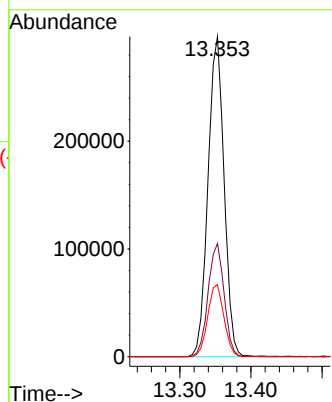
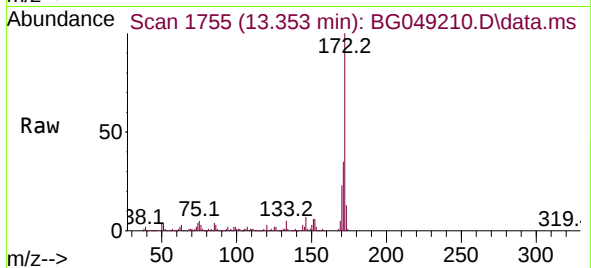




#45
2-Fluorobiphenyl
Concen: 57.39 ng
RT: 13.353 min Scan# 1755
Delta R.T. 0.004 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

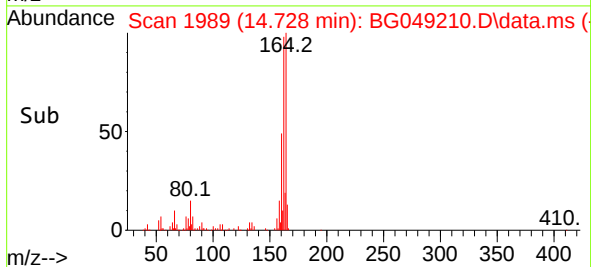
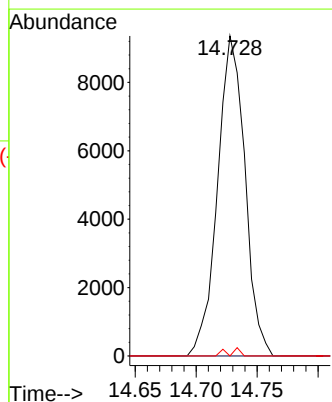
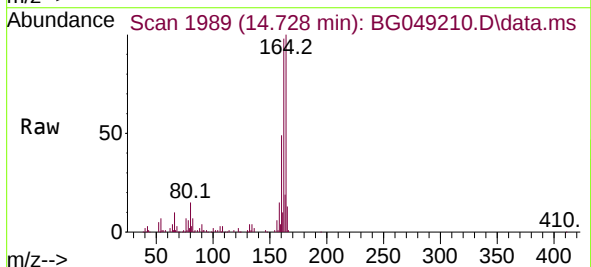
Instrument :
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ClientSampleId :
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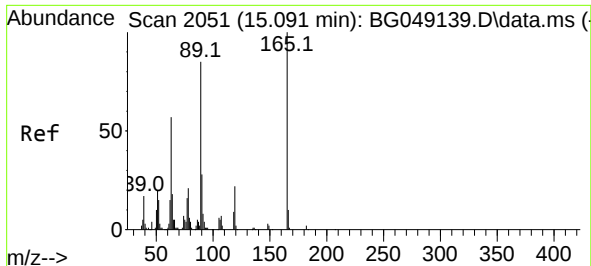
Tgt Ion:172 Resp: 467140
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 22.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.25 ng
RT: 14.728 min Scan# 1989
Delta R.T. 0.433 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

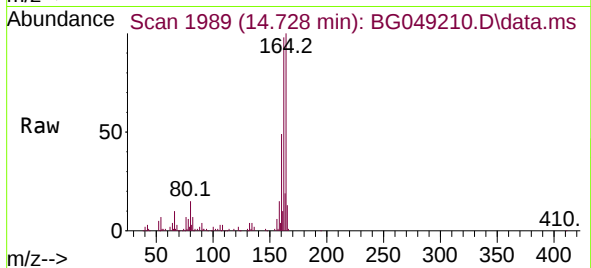
Tgt Ion:165 Resp: 14647
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



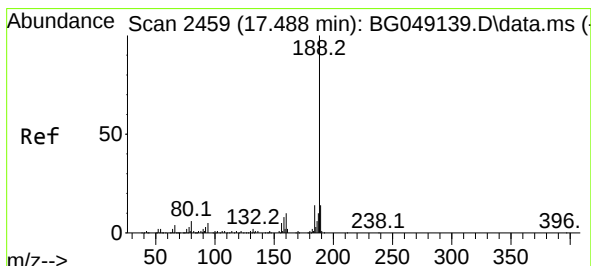
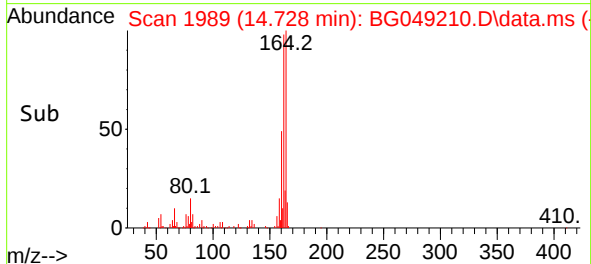
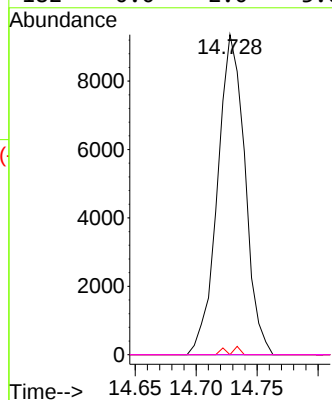


#57
2,4-Dinitrotoluene
Concen: 5.10 ng
RT: 14.728 min Scan# 1989
Delta R.T. -0.355 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-3

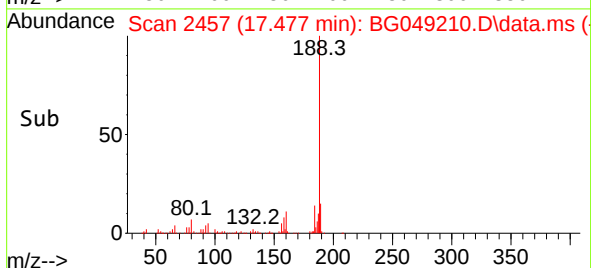
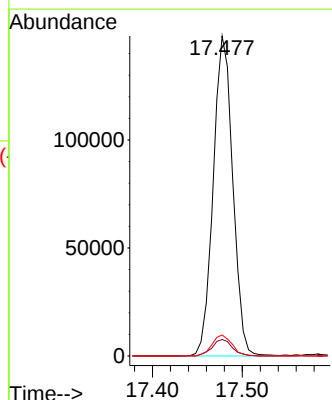
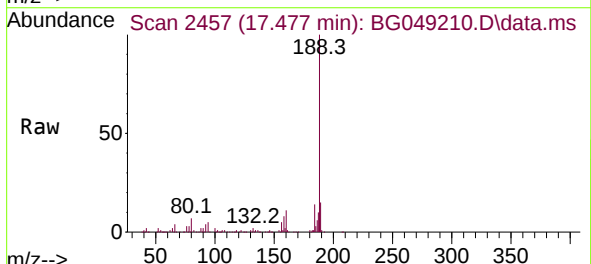


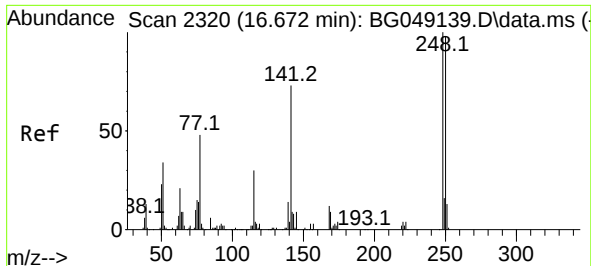
Tgt Ion:165 Resp: 14647
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.477 min Scan# 2457
Delta R.T. -0.002 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Tgt Ion:188 Resp: 223851
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0#
80 6.5 3.7 5.5#

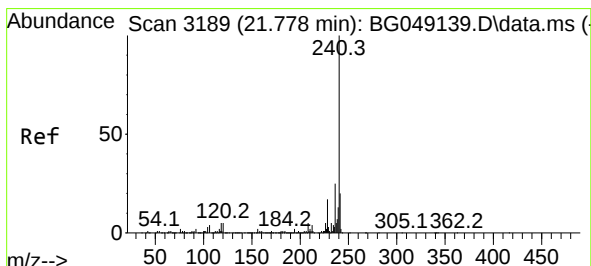
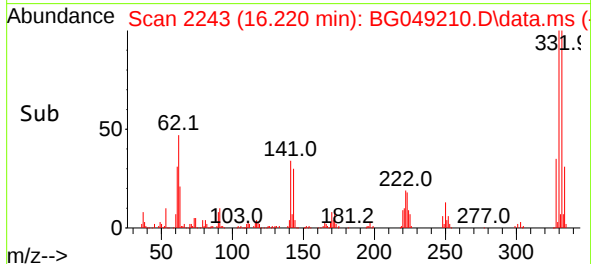
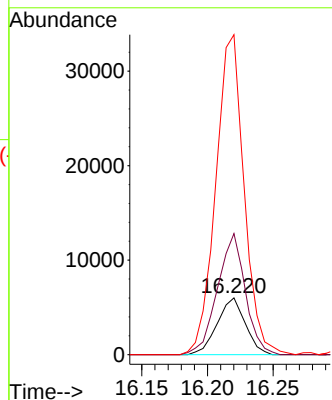
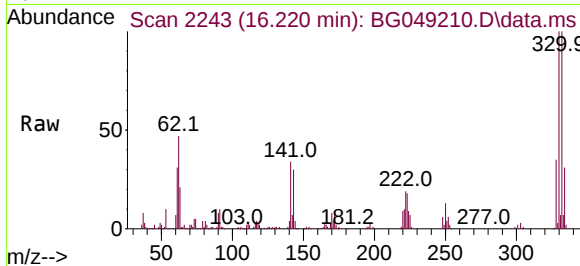




#67
4-Bromophenyl-phenylether
Concen: 2.97 ng
RT: 16.220 min Scan# 2243
Delta R.T. -0.443 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

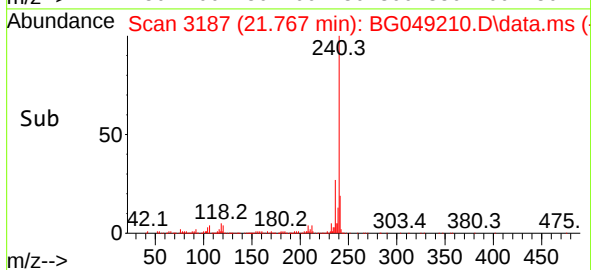
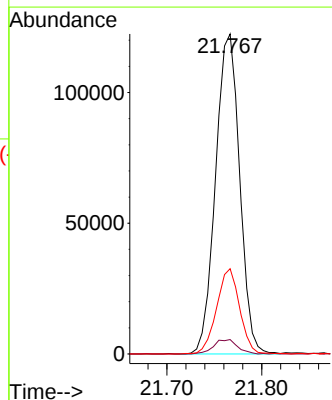
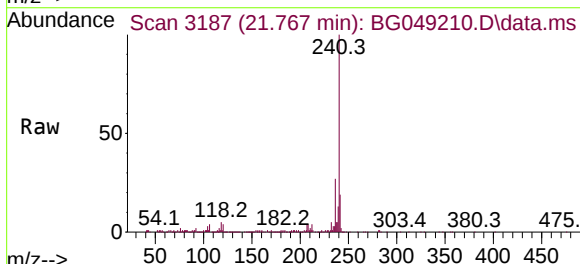
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-3

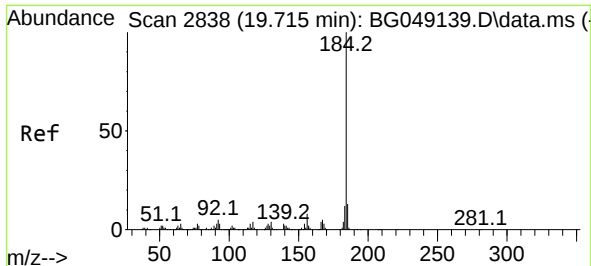
Tgt Ion:248 Resp: 8959
Ion Ratio Lower Upper
248 100
250 213.2 76.1 114.1#
141 563.4 65.4 98.2#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.767 min Scan# 3187
Delta R.T. 0.004 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Tgt Ion:240 Resp: 216115
Ion Ratio Lower Upper
240 100
120 4.5 4.2 6.2
236 26.7 21.8 32.6

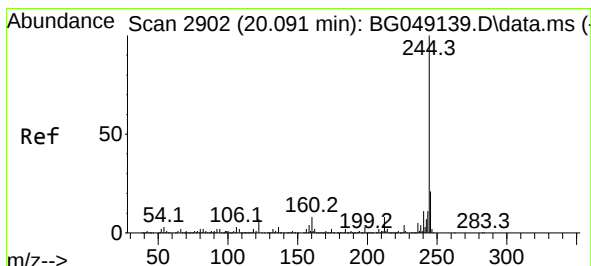
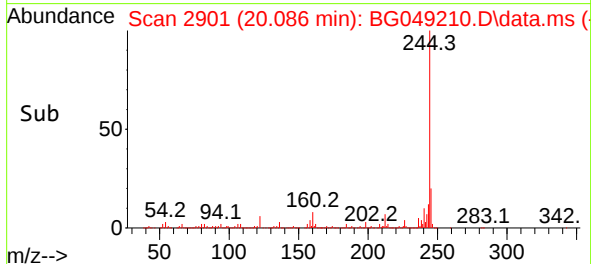
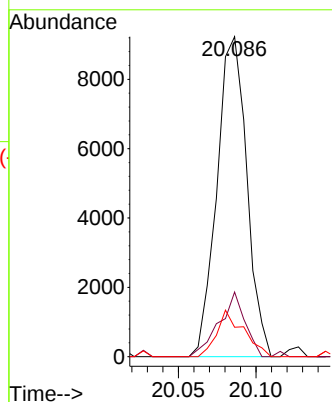
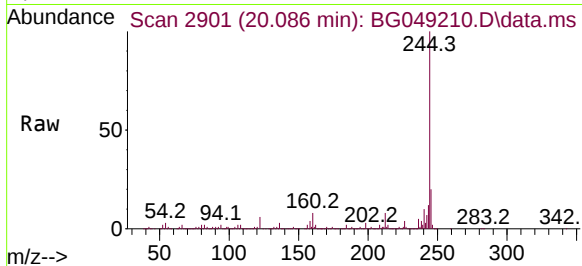




#77
Benzidine
Concen: 2.66 ng
RT: 20.086 min Scan# 2901
Delta R.T. 0.380 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

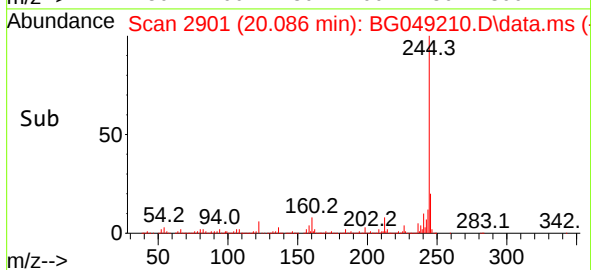
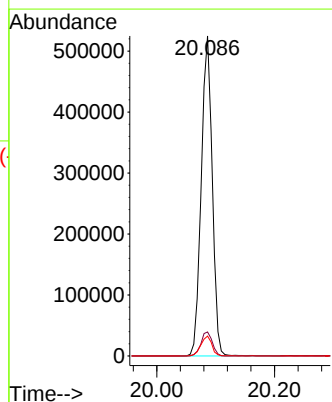
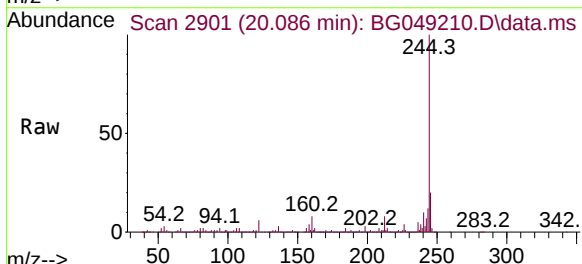
Instrument :
BNA_G
ClientSampleId :
SOIL-BANK-3

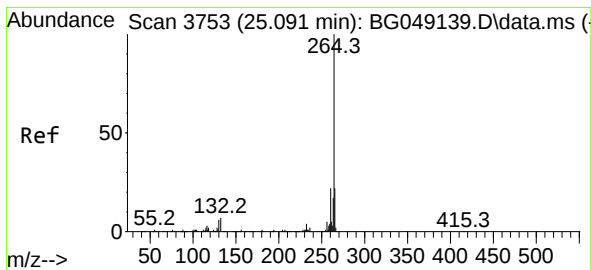
Tgt Ion:184 Resp: 12366
Ion Ratio Lower Upper
184 100
185 20.2 10.7 16.1#
183 9.2 9.4 14.0#



#79
Terphenyl-d14
Concen: 53.42 ng
RT: 20.086 min Scan# 2901
Delta R.T. 0.004 min
Lab File: BG049210.D
Acq: 7 Jul 2021 22:14

Tgt Ion:244 Resp: 681364
Ion Ratio Lower Upper
244 100
212 7.5 6.9 10.3
122 6.2 5.0 7.6





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.074 min Scan# 3750
 Delta R.T. 0.010 min
 Lab File: BG049210.D
 Acq: 7 Jul 2021 22:14

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BANK-3

Tgt Ion:264 Resp: 224695

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.4	16.9	25.3

