

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070721\
 Data File : BG049205.D
 Acq On : 7 Jul 2021 18:48
 Operator : CG/JU
 Sample : M2947-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4-SOIL-BANK

Quant Time: Jul 08 02:21:07 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)

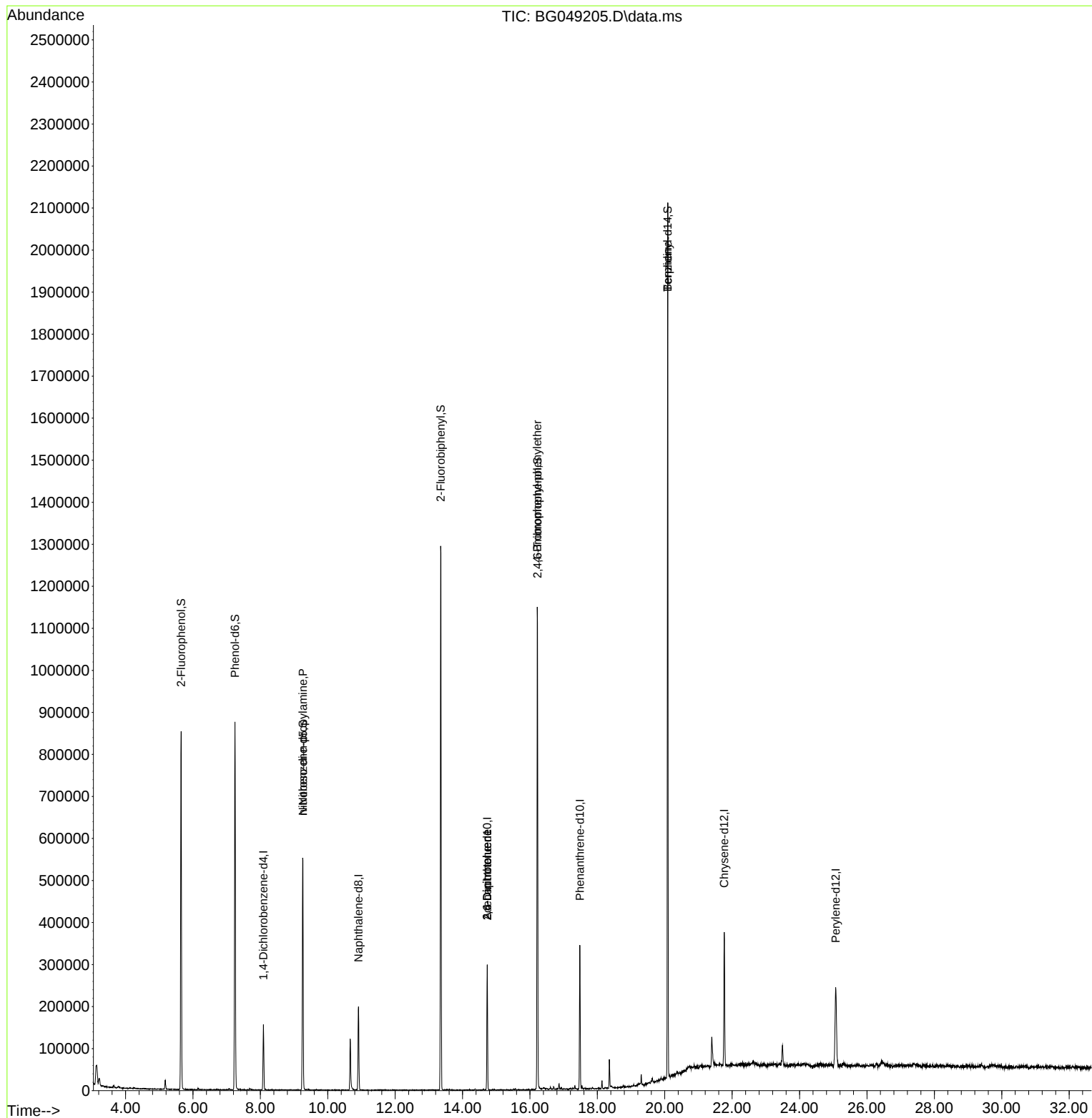
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.091	152	41657	20.00	ng	0.00
21) Naphthalene-d8	10.912	136	162366	20.00	ng	# 0.00
39) Acenaphthene-d10	14.731	164	110882	20.00	ng	0.00
64) Phenanthrene-d10	17.480	188	219427	20.00	ng	# 0.00
76) Chrysene-d12	21.764	240	209169	20.00	ng	0.00
86) Perylene-d12	25.071	264	214435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.647	112	347631	130.71	ng	0.01
7) Phenol-d6	7.245	99	453338	119.56	ng	0.00
23) Nitrobenzene-d5	9.261	82	334074	87.23	ng	0.00
42) 2,4,6-Tribromophenol	16.223	330	240197	124.96	ng	0.00
45) 2-Fluorobiphenyl	13.350	172	691057	84.08	ng	0.00
79) Terphenyl-d14	20.089	244	955817	77.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.261	70	50335	18.47	ng	# 69
51) 2,6-Dinitrotoluene	14.731	165	14052	6.89	ng	# 10
57) 2,4-Dinitrotoluene	14.731	165	14052	4.85	ng	# 15
67) 4-Bromophenyl-phenylether	16.217	248	14565	4.92	ng	# 1
77) Benzidine	20.089	184	18076	4.02	ng	# 90

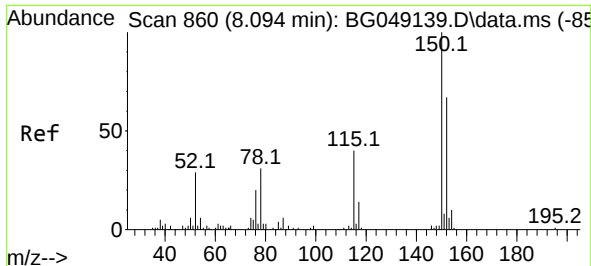
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 06 10:59:02 2021
Response via : Initial Calibration

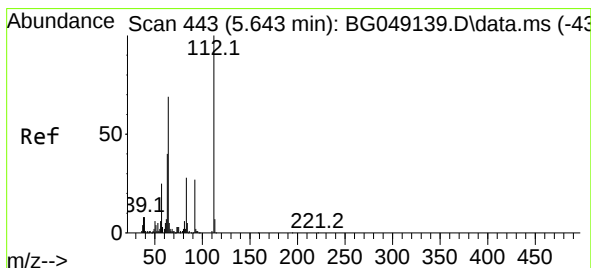
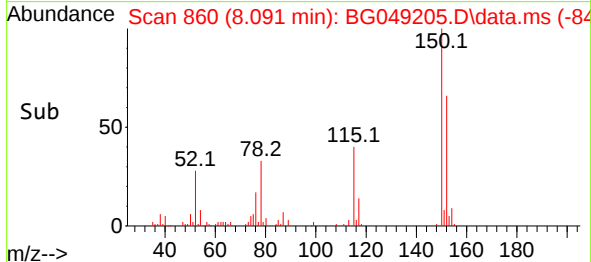
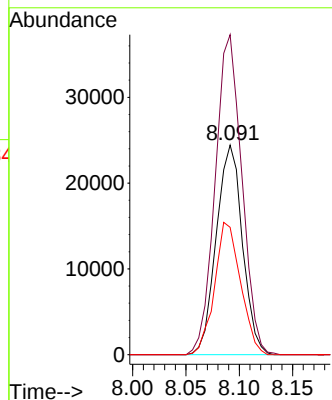
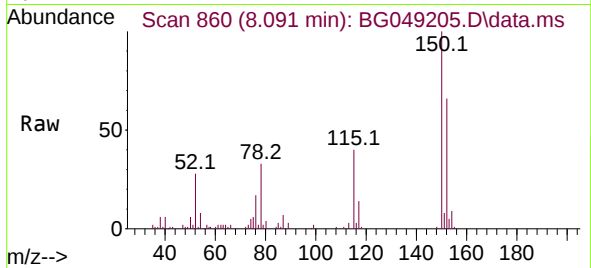




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.091 min Scan# 860
Delta R.T. 0.000 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

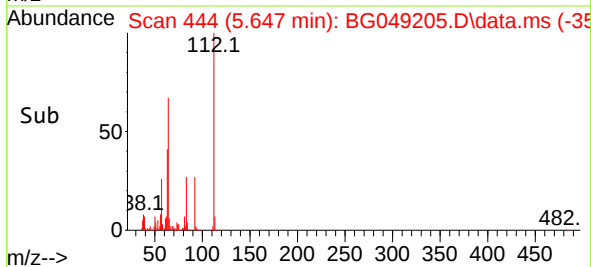
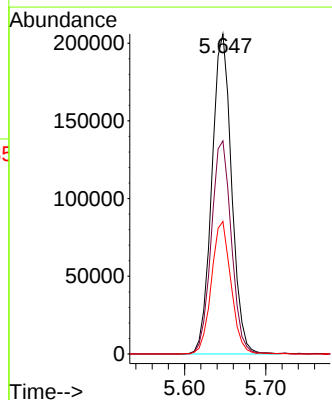
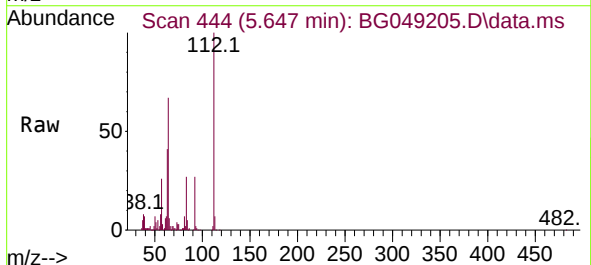
Instrument :
BNA_G
ClientSampleId :
A4-SOIL-BANK

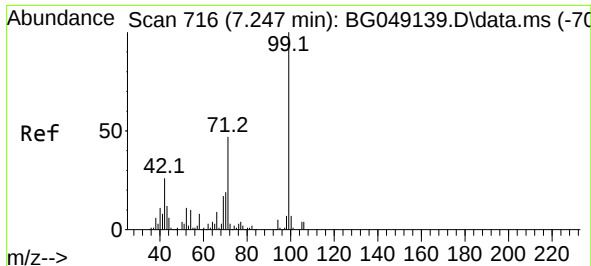
Tgt Ion:152 Resp: 41657
Ion Ratio Lower Upper
152 100
150 152.6 119.4 179.0
115 60.8 60.2 90.4



#5
2-Fluorophenol
Concen: 130.71 ng
RT: 5.647 min Scan# 444
Delta R.T. 0.013 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Tgt Ion:112 Resp: 347631
Ion Ratio Lower Upper
112 100
64 66.6 46.7 70.1
63 41.4 35.3 52.9

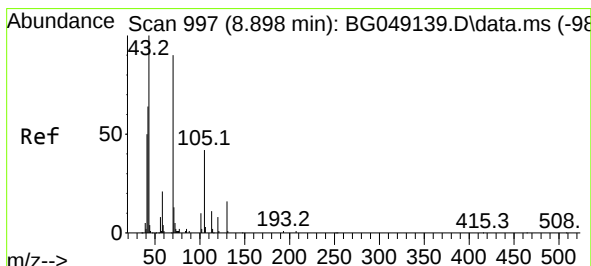
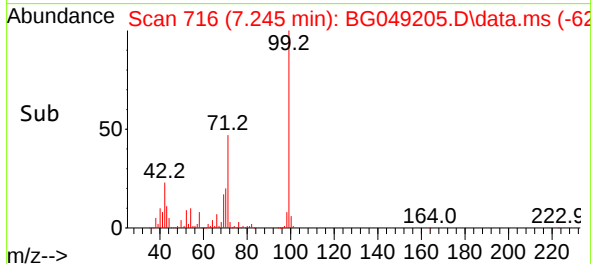
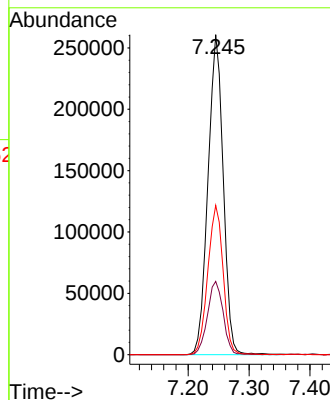
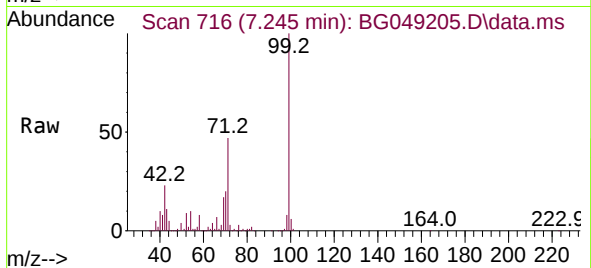




#7
Phenol-d6
Concen: 119.56 ng
RT: 7.245 min Scan# 716
Delta R.T. 0.007 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

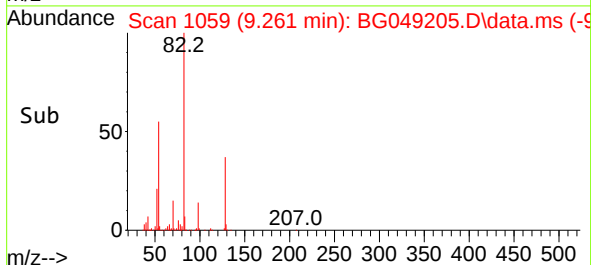
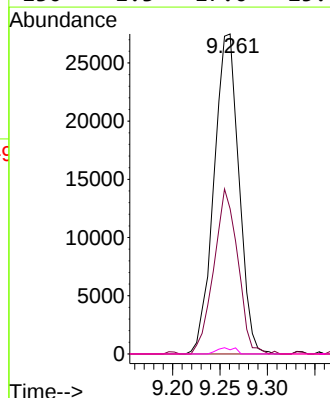
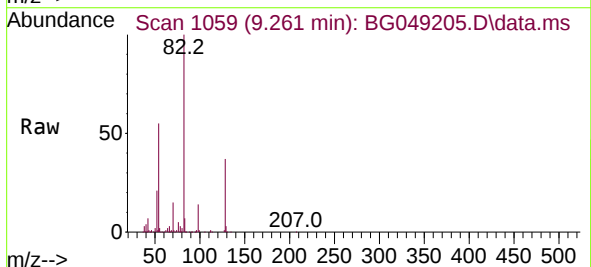
Instrument :
BNA_G
ClientSampleId :
A4-SOIL-BANK

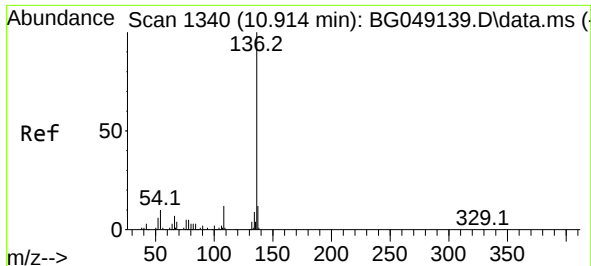
Tgt Ion: 99 Resp: 453338
Ion Ratio Lower Upper
99 100
42 22.9 20.5 30.7
71 46.7 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.47 ng
RT: 9.261 min Scan# 1059
Delta R.T. 0.365 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Tgt Ion: 70 Resp: 50335
Ion Ratio Lower Upper
70 100
42 45.4 54.5 81.7#
101 0.0 9.0 13.6#
130 1.3 17.0 25.6#

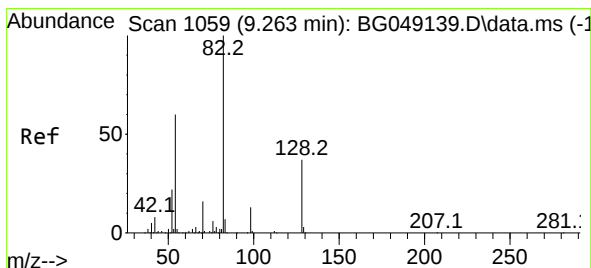
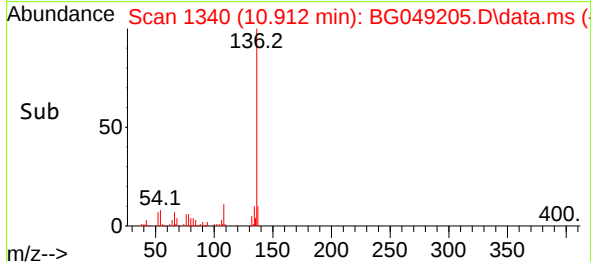
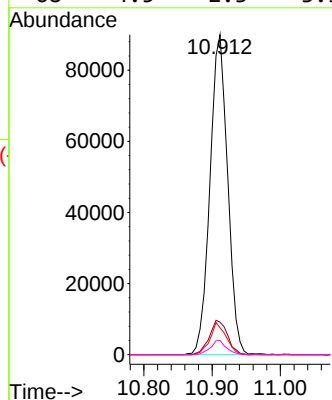
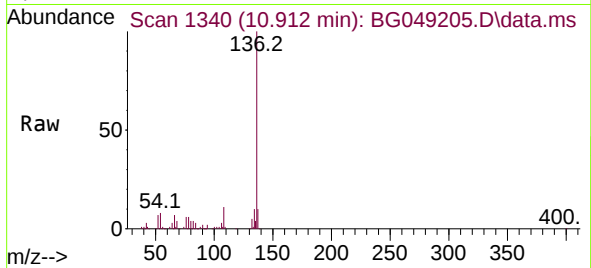




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.912 min Scan# 1340
Delta R.T. 0.007 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

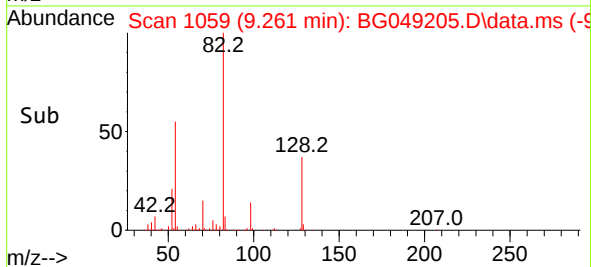
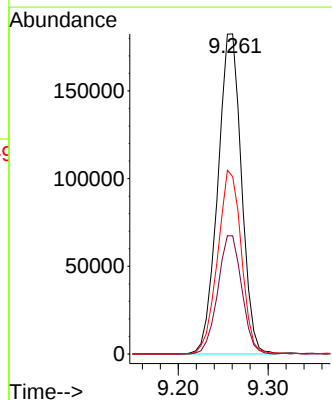
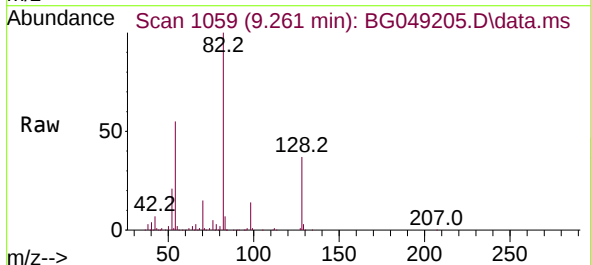
Instrument :
BNA_G
ClientSampleId :
A4-SOIL-BANK

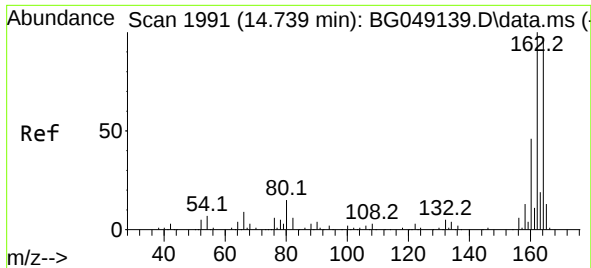
Tgt Ion:136 Resp: 162366
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.2
54 8.4 5.5 8.3#
68 4.5 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 87.23 ng
RT: 9.261 min Scan# 1059
Delta R.T. 0.007 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Tgt Ion: 82 Resp: 334074
Ion Ratio Lower Upper
82 100
128 36.9 29.8 44.6
54 55.4 45.8 68.8

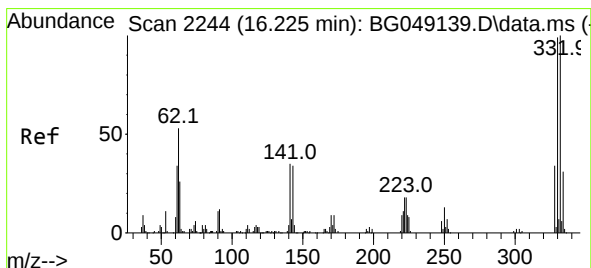
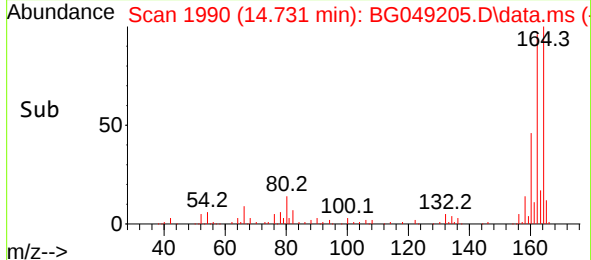
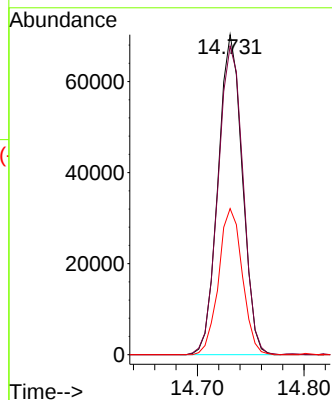
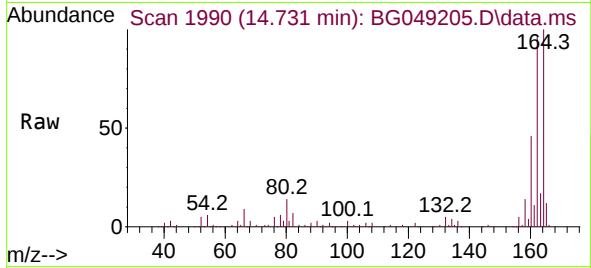




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.731 min Scan# 1990
Delta R.T. 0.001 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

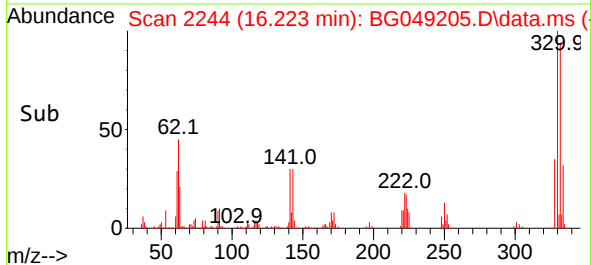
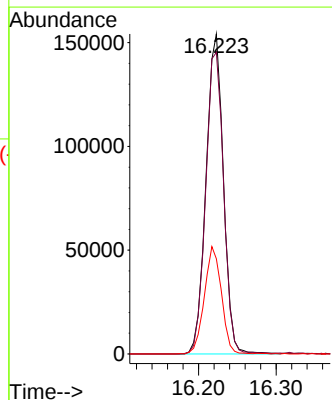
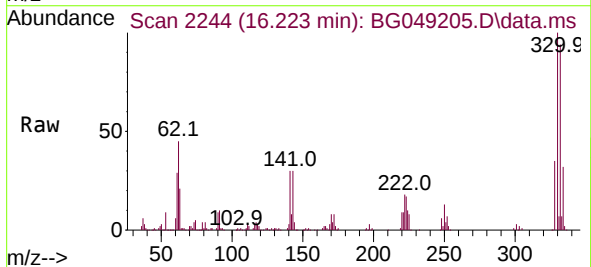
Instrument :
BNA_G
ClientSampleId :
A4-SOIL-BANK

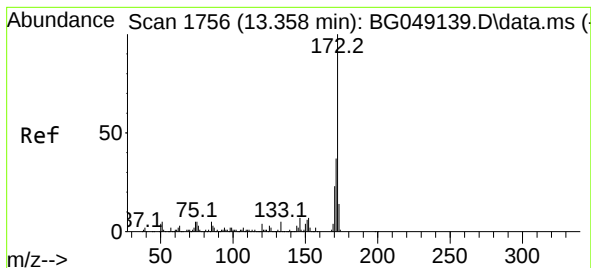
Tgt Ion:164 Resp: 110882
Ion Ratio Lower Upper
164 100
162 96.5 81.4 122.0
160 45.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 124.96 ng
RT: 16.223 min Scan# 2244
Delta R.T. 0.007 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Tgt Ion:330 Resp: 240197
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 32.9 35.6 53.4#

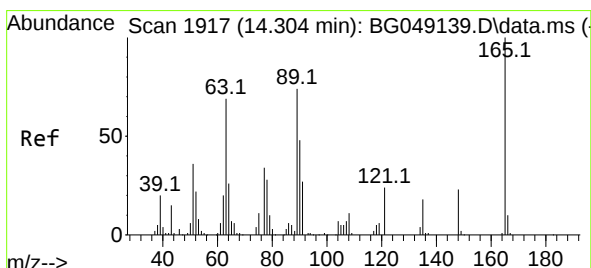
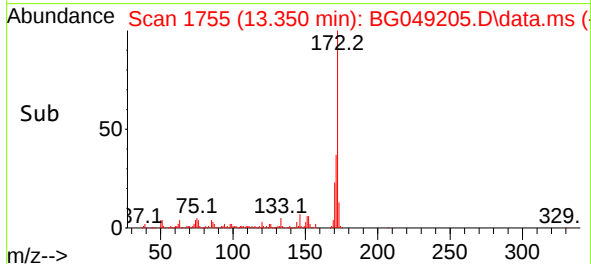
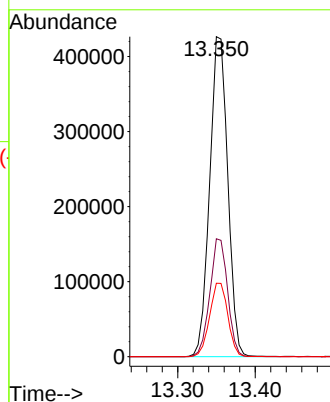
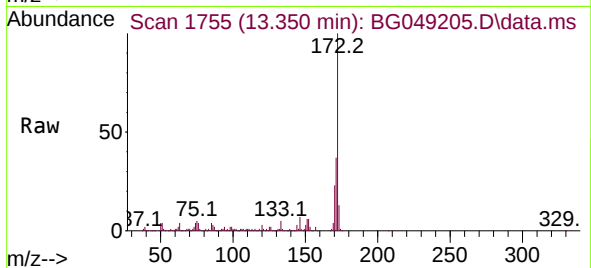




#45
2-Fluorobiphenyl
Concen: 84.08 ng
RT: 13.350 min Scan# 1755
Delta R.T. 0.001 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

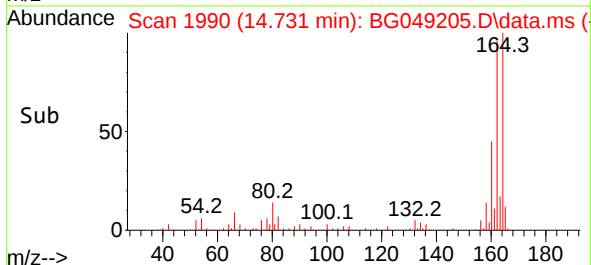
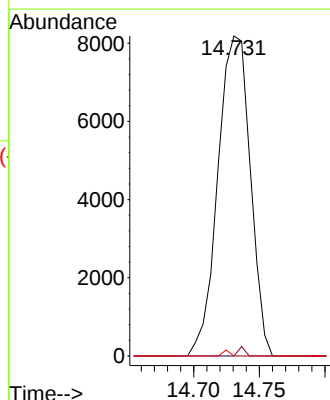
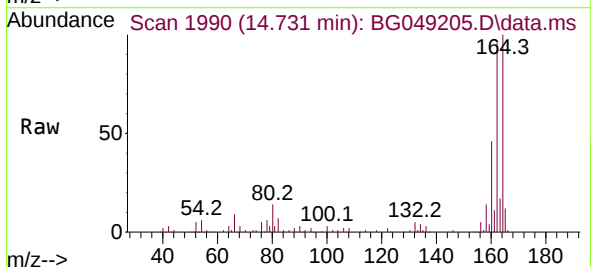
Instrument :
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ClientSampleId :
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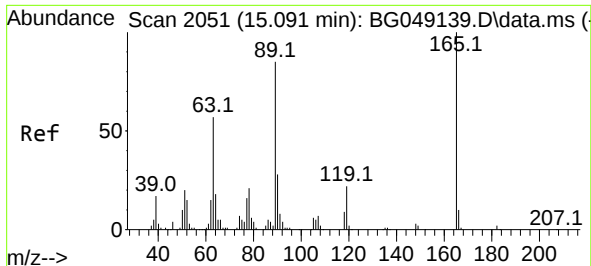
Tgt Ion:172 Resp: 691057
Ion Ratio Lower Upper
172 100
171 36.9 28.6 43.0
170 23.0 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 6.89 ng
RT: 14.731 min Scan# 1990
Delta R.T. 0.436 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

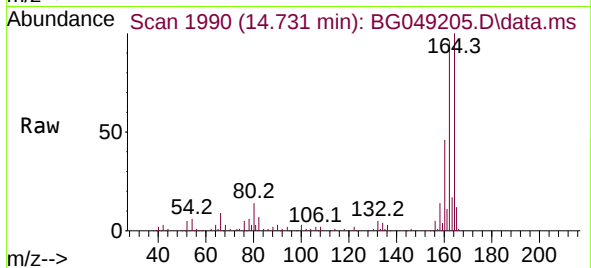
Tgt Ion:165 Resp: 14052
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



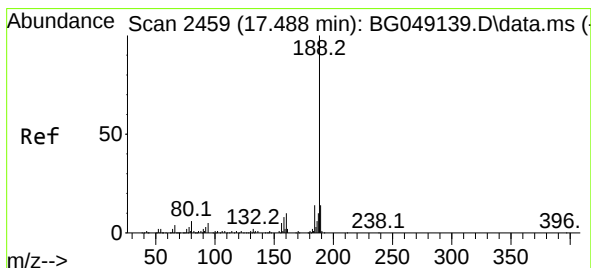
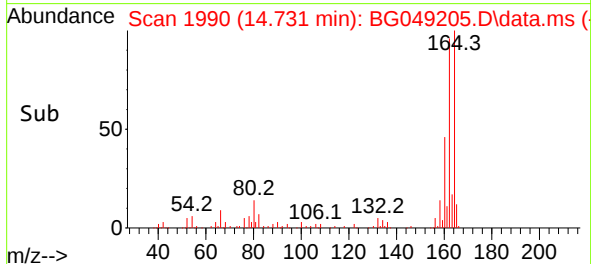
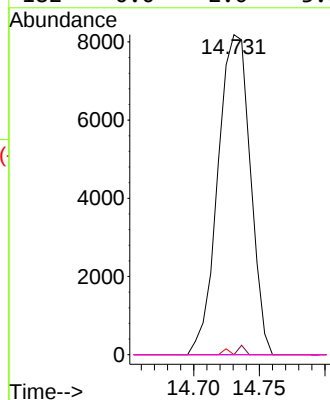


#57
2,4-Dinitrotoluene
Concen: 4.85 ng
RT: 14.731 min Scan# 1990
Delta R.T. -0.352 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Instrument :
BNA_G
ClientSampleId :
A4-SOIL-BANK

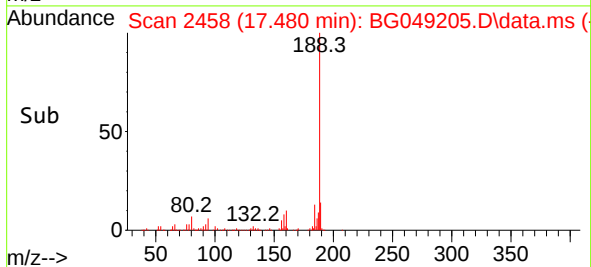
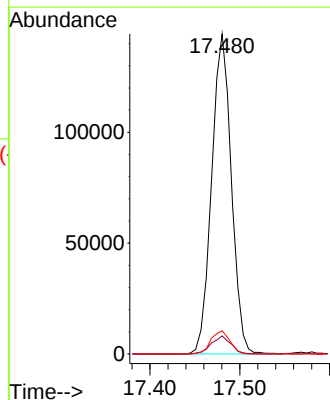
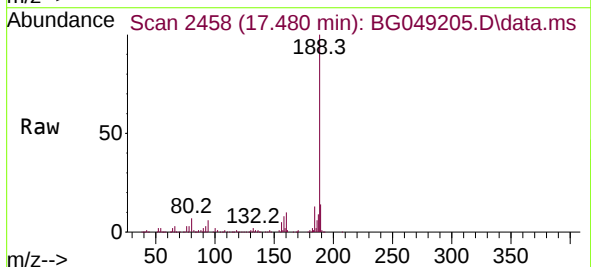


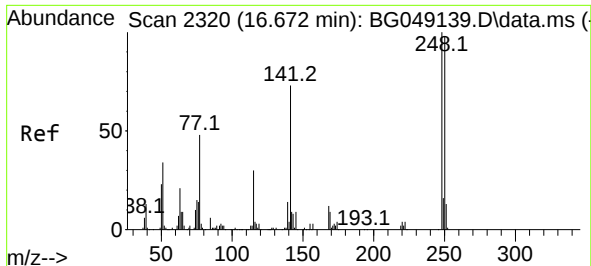
Tgt Ion:165 Resp: 14052
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.480 min Scan# 2458
Delta R.T. 0.001 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Tgt Ion:188 Resp: 219427
Ion Ratio Lower Upper
188 100
94 5.7 5.4 8.0
80 7.3 3.7 5.5#

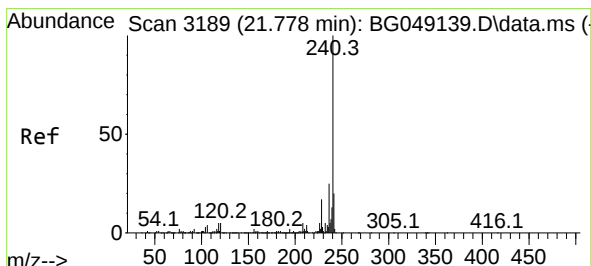
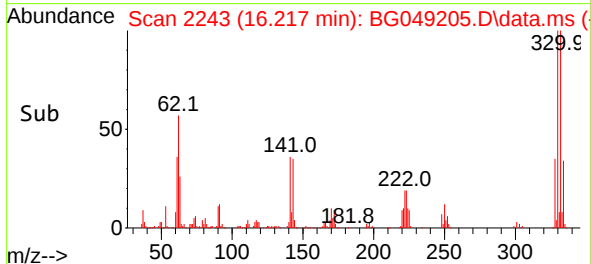
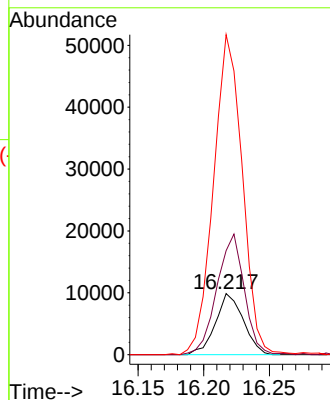
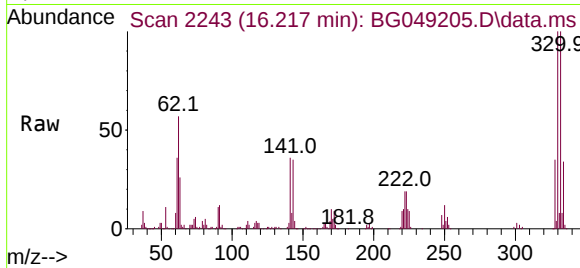




#67
4-Bromophenyl-phenylether
Concen: 4.92 ng
RT: 16.217 min Scan# 2243
Delta R.T. -0.446 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

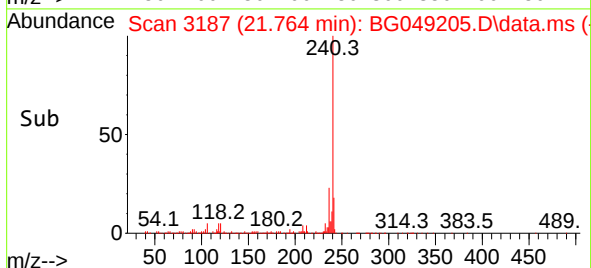
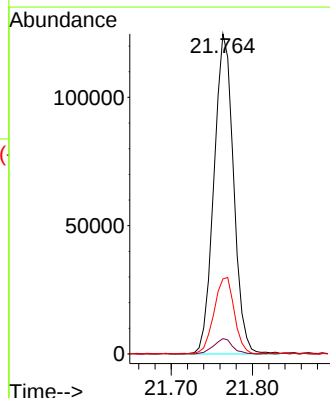
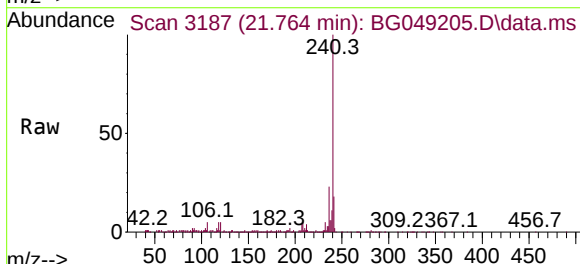
Instrument :
BNA_G
ClientSampleId :
A4-SOIL-BANK

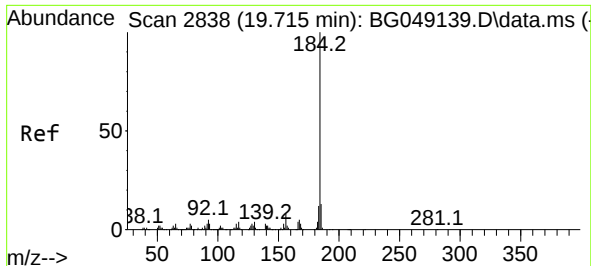
Tgt Ion:248 Resp: 14565
Ion Ratio Lower Upper
248 100
250 170.0 76.1 114.1#
141 523.4 65.4 98.2#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.764 min Scan# 3187
Delta R.T. 0.001 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Tgt Ion:240 Resp: 209169
Ion Ratio Lower Upper
240 100
120 4.8 4.2 6.2
236 23.5 21.8 32.6

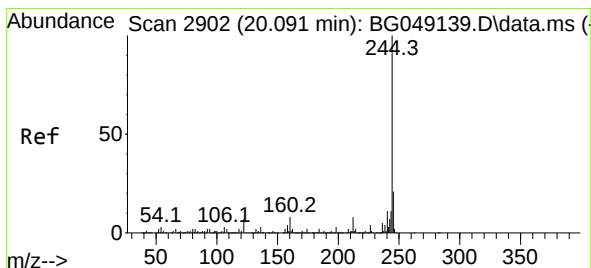
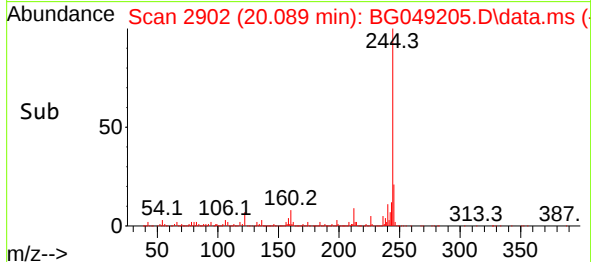
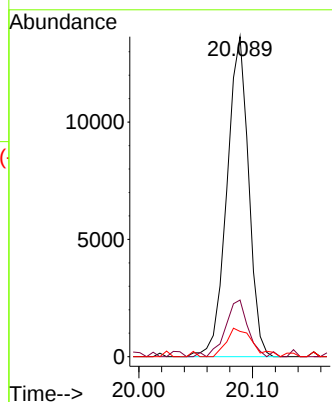
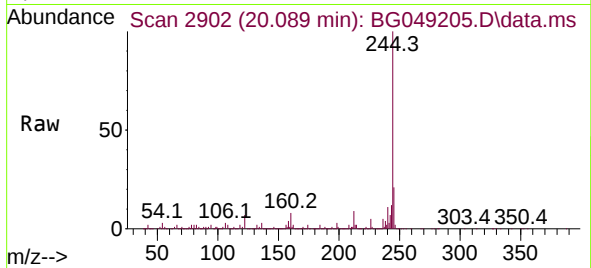




#77
Benzidine
Concen: 4.02 ng
RT: 20.089 min Scan# 2902
Delta R.T. 0.383 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

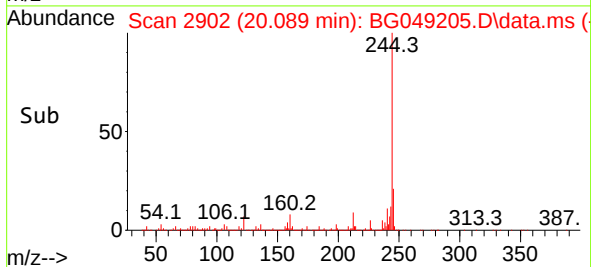
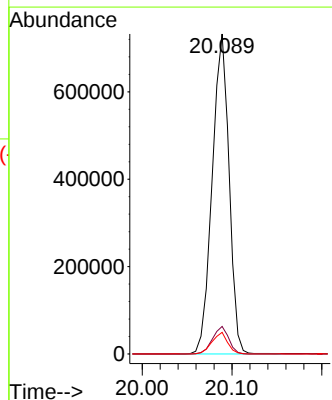
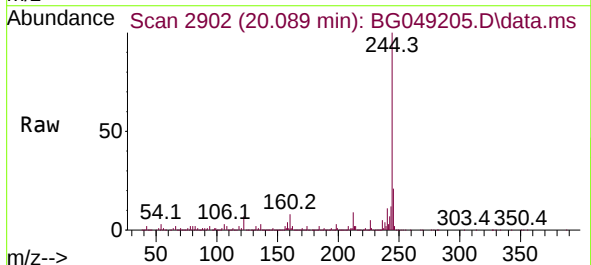
Instrument :
BNA_G
ClientSampleId :
A4-SOIL-BANK

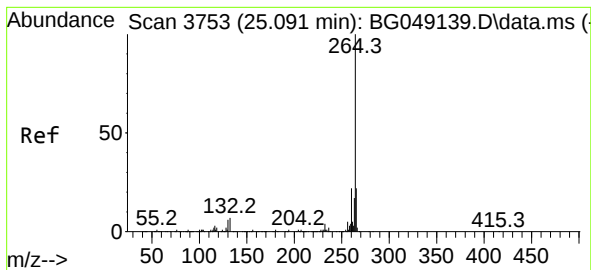
Tgt Ion:184 Resp: 18076
Ion Ratio Lower Upper
184 100
185 17.7 10.7 16.1#
183 7.9 9.4 14.0#



#79
Terphenyl-d14
Concen: 77.43 ng
RT: 20.089 min Scan# 2902
Delta R.T. 0.007 min
Lab File: BG049205.D
Acq: 7 Jul 2021 18:48

Tgt Ion:244 Resp: 955817
Ion Ratio Lower Upper
244 100
212 8.6 6.9 10.3
122 6.7 5.0 7.6





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.071 min Scan# 3750
 Delta R.T. 0.007 min
 Lab File: BG049205.D
 Acq: 7 Jul 2021 18:48

Instrument :
 BNA_G
 ClientSampleId :
 A4-SOIL-BANK

Tgt Ion:264 Resp: 214435

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.4	29.2
265	22.4	16.9	25.3

