

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051046.D
 Acq On : 15 Nov 2021 18:02
 Operator : CG/JU
 Sample : M4674-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MF-SOIL-P1

Quant Time: Nov 16 00:40:21 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

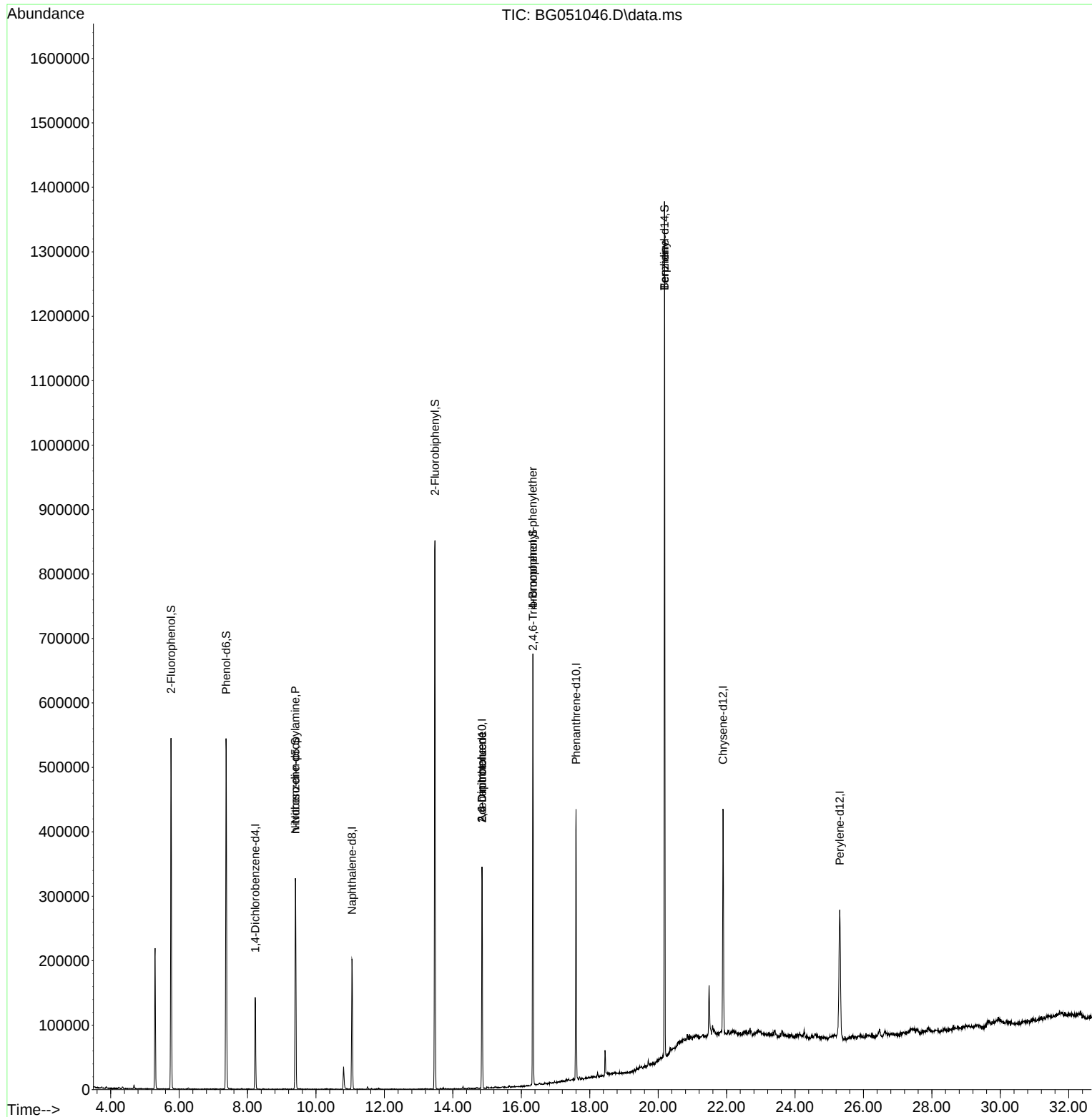
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	39893	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	174740	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	120658	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	260526	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	213428	20.000	ng	# 0.00
86) Perylene-d12	25.309	264	208722	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	233598	87.594	ng	0.00
7) Phenol-d6	7.372	99	321636	85.449	ng	0.00
23) Nitrobenzene-d5	9.399	82	218908	55.456	ng	0.00
42) 2,4,6-Tribromophenol	16.343	330	107038	88.647	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	435096	56.976	ng	0.00
79) Terphenyl-d14	20.186	244	588626	50.465	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.399	70	29910	10.753	ng	# 67
51) 2,6-Dinitrotoluene	14.851	165	15885	8.130	ng	# 11
57) 2,4-Dinitrotoluene	14.851	165	15885	5.730	ng	# 17
67) 4-Bromophenyl-phenylether	16.338	248	8375	3.069	ng	# 1
77) Benzidine	20.186	184	10732	2.660	ng	# 94

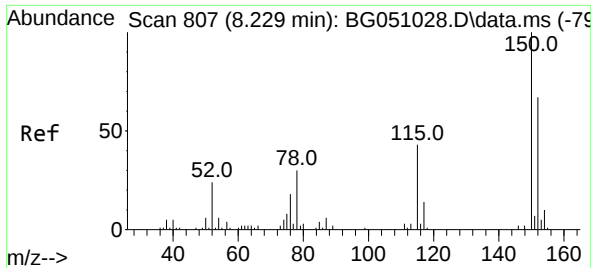
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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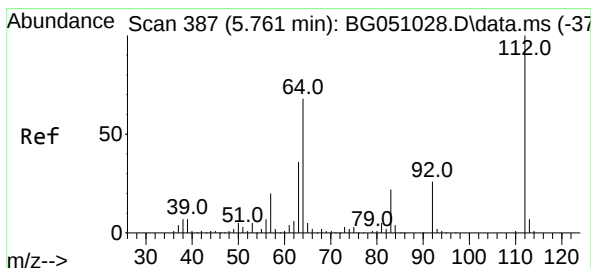
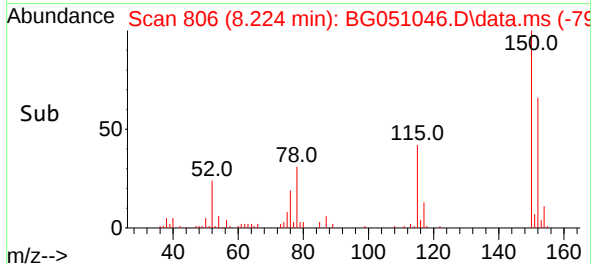
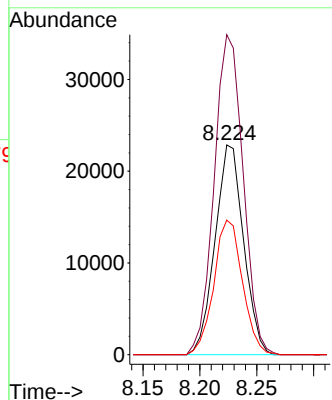
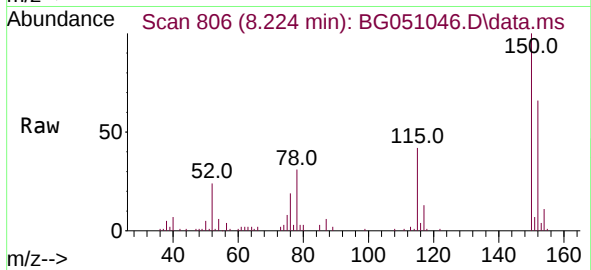




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 807
Delta R.T. -0.005 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

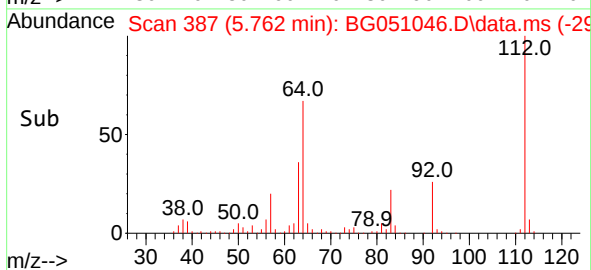
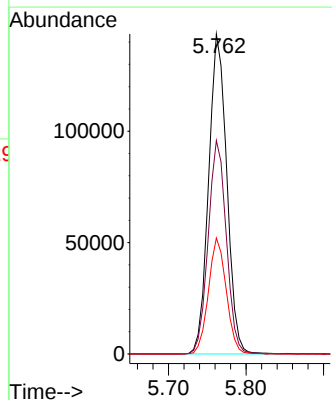
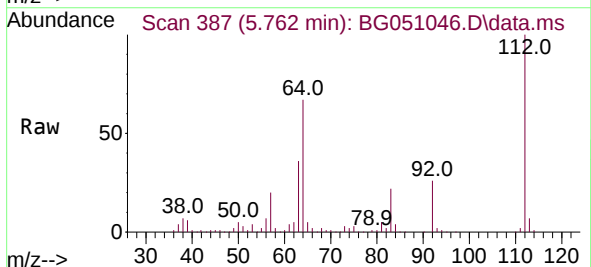
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P1

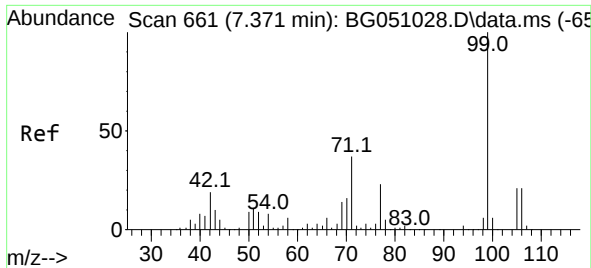
Tgt Ion:152 Resp: 39893
Ion Ratio Lower Upper
152 100
150 152.5 119.4 179.0
115 64.1 60.2 90.4



#5
2-Fluorophenol
Concen: 87.594 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Tgt Ion:112 Resp: 233598
Ion Ratio Lower Upper
112 100
64 66.7 46.7 70.1
63 36.3 35.3 52.9

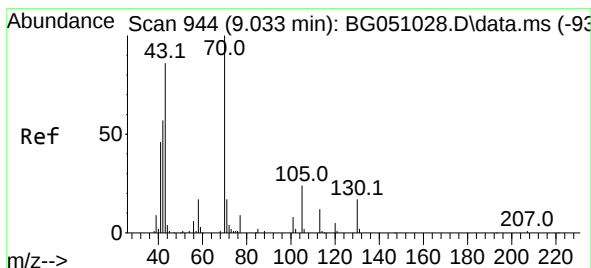
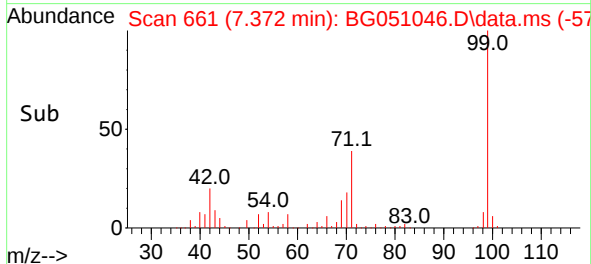
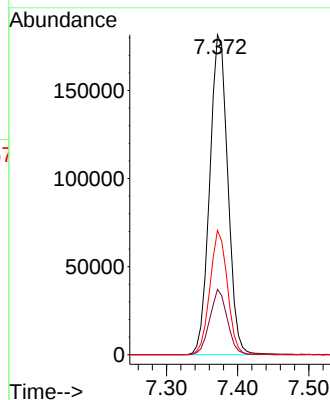
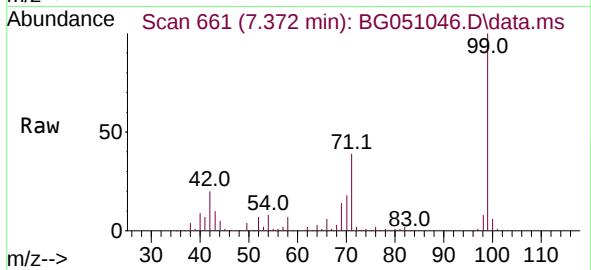




#7
Phenol-d6
Concen: 85.449 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

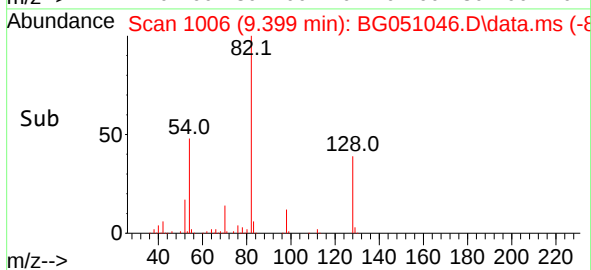
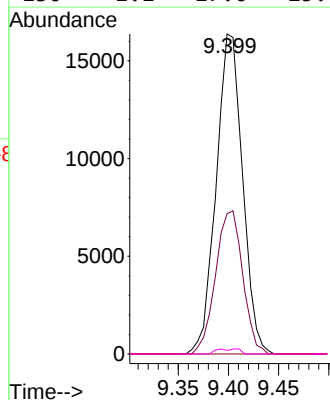
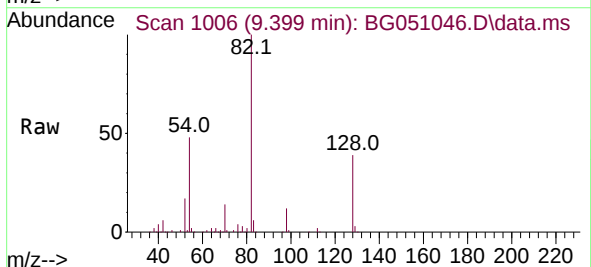
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P1

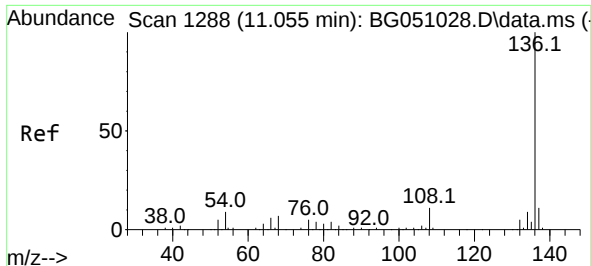
Tgt Ion: 99 Resp: 321636
Ion Ratio Lower Upper
99 100
42 20.4 20.5 30.7#
71 38.9 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 10.753 ng
RT: 9.399 min Scan# 1006
Delta R.T. 0.365 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Tgt Ion: 70 Resp: 29910
Ion Ratio Lower Upper
70 100
42 43.9 54.5 81.7#
101 0.0 9.0 13.6#
130 1.1 17.0 25.6#

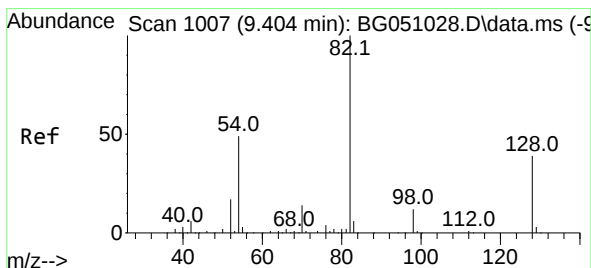
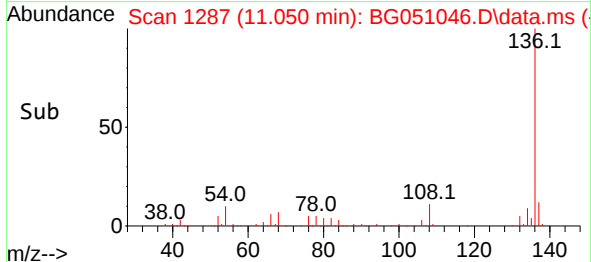
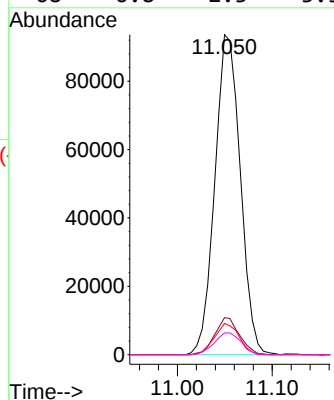
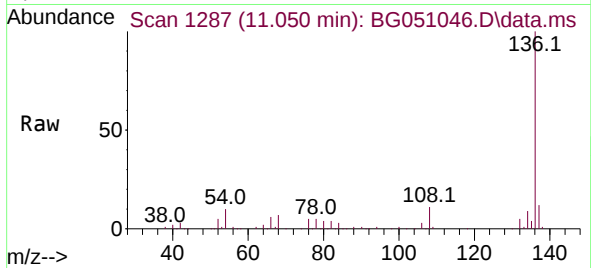




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

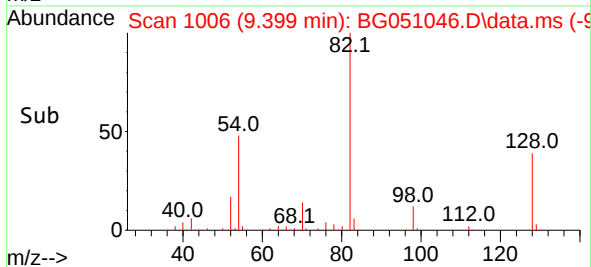
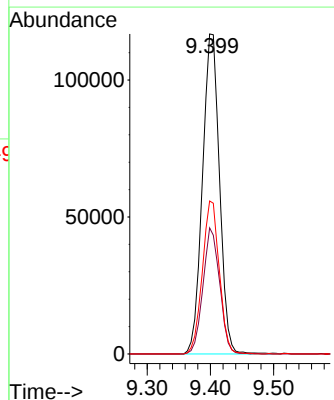
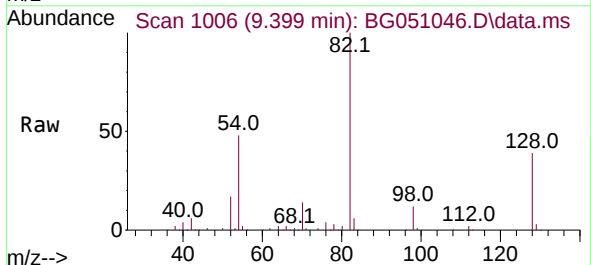
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P1

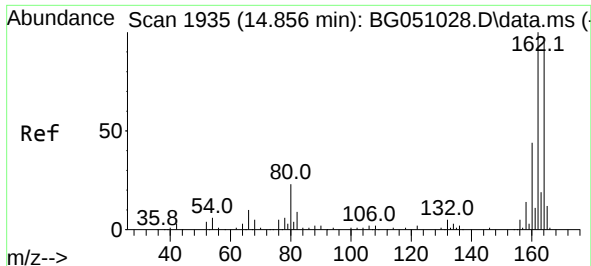
Tgt Ion:	136	Resp:	174740
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.2	12.2
54	9.7	5.5	8.3#
68	6.8	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 55.456 ng
RT: 9.399 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Tgt Ion:	82	Resp:	218908
Ion Ratio	Lower	Upper	
82	100		
128	39.4	29.8	44.6
54	47.8	45.8	68.8

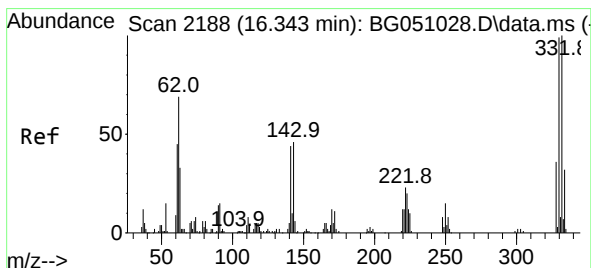
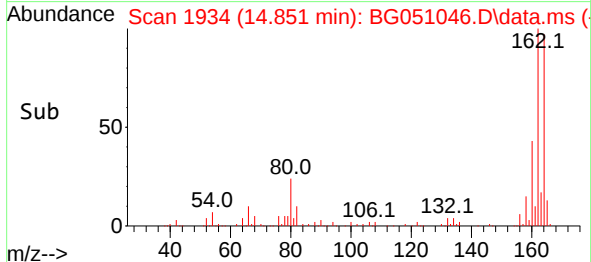
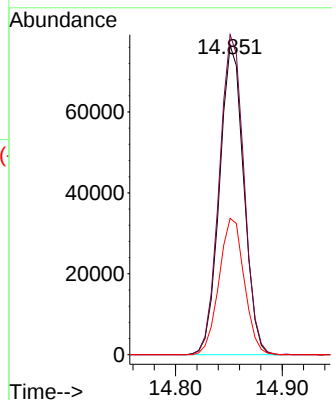
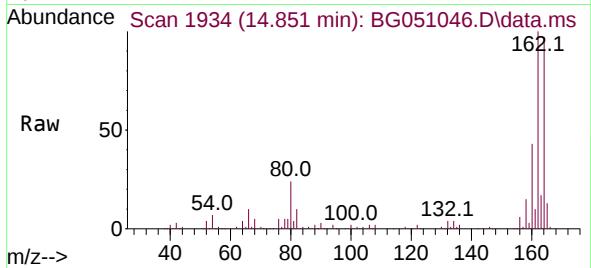




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

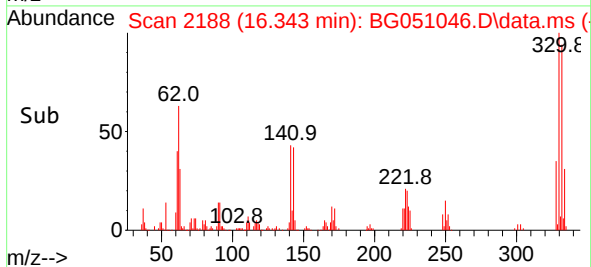
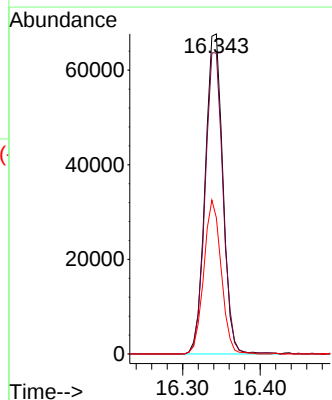
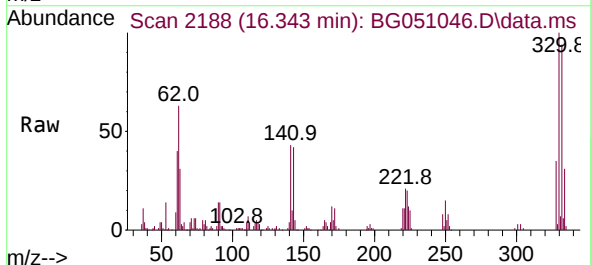
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P1

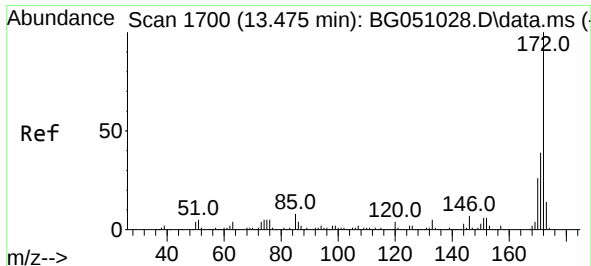
Tgt Ion:164 Resp: 120658
Ion Ratio Lower Upper
164 100
162 103.4 81.4 122.0
160 44.1 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 88.647 ng
RT: 16.343 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Tgt Ion:330 Resp: 107038
Ion Ratio Lower Upper
330 100
332 94.8 77.3 115.9
141 47.2 35.6 53.4





#45

2-Fluorobiphenyl

Concen: 56.976 ng

RT: 13.476 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG051046.D

Acq: 15 Nov 2021 18:02

Instrument :

BNA_G

ClientSampleId :

MF-SOIL-P1

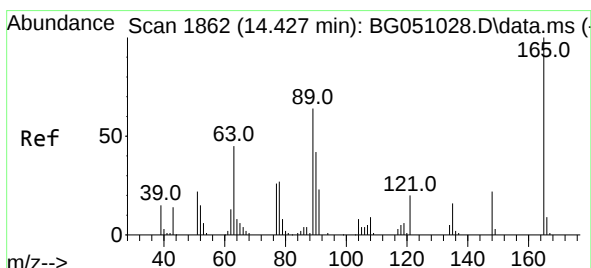
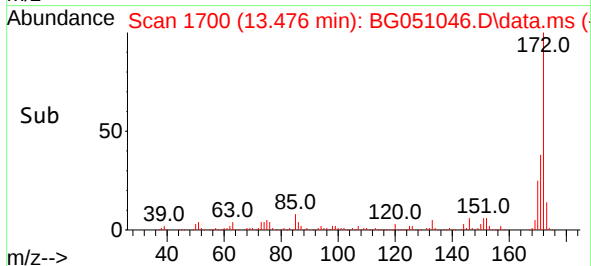
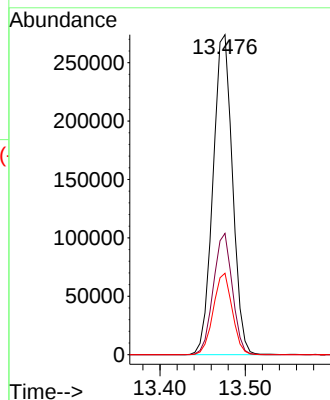
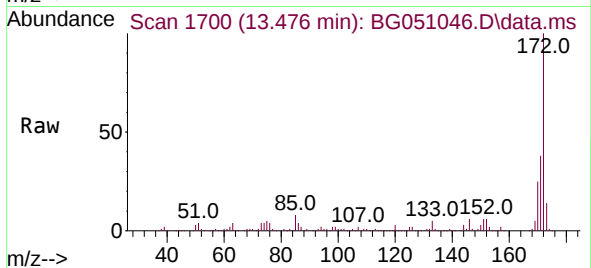
Tgt Ion:172 Resp: 435096

Ion Ratio Lower Upper

172 100

171 37.9 28.6 43.0

170 25.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.130 ng

RT: 14.851 min Scan# 1934

Delta R.T. 0.424 min

Lab File: BG051046.D

Acq: 15 Nov 2021 18:02

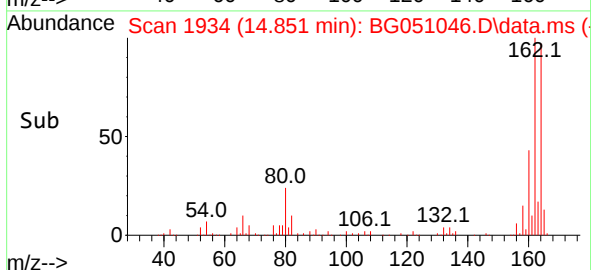
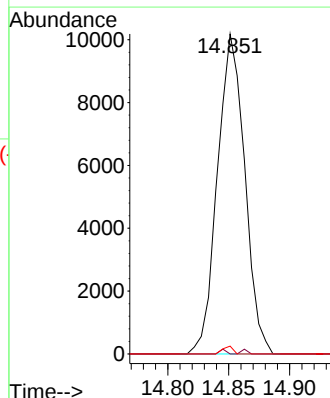
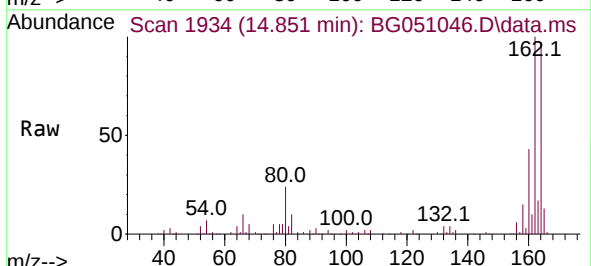
Tgt Ion:165 Resp: 15885

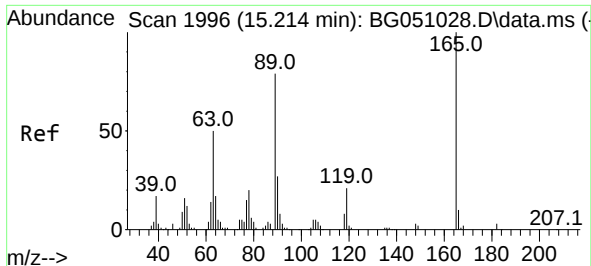
Ion Ratio Lower Upper

165 100

63 0.0 63.3 94.9#

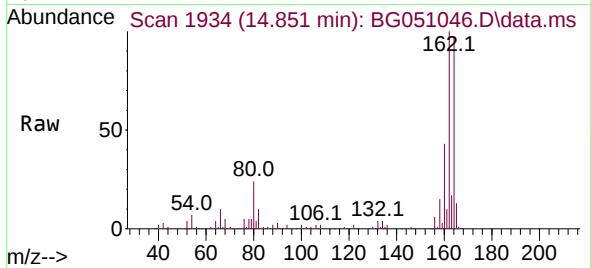
89 2.5 63.4 95.0#



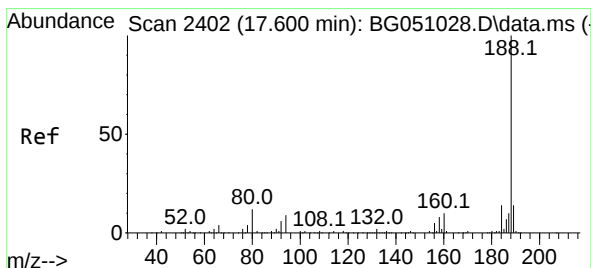
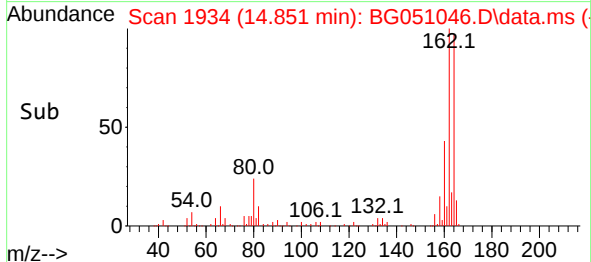
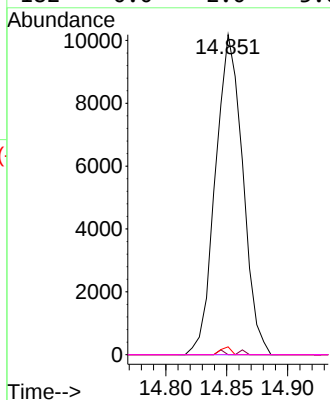


#57
2,4-Dinitrotoluene
Concen: 5.730 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.363 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P1

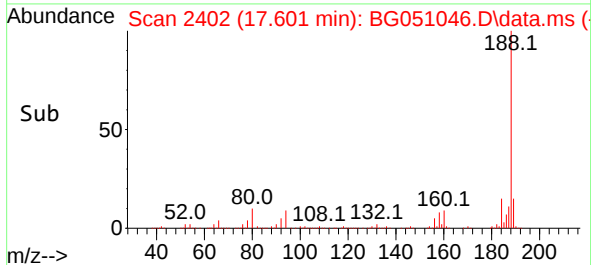
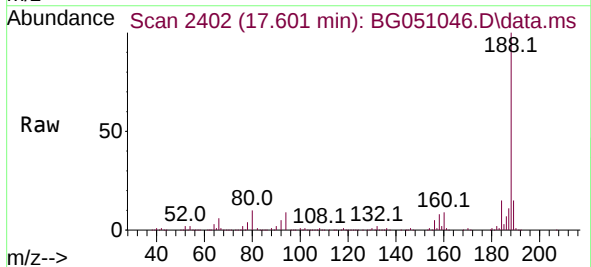
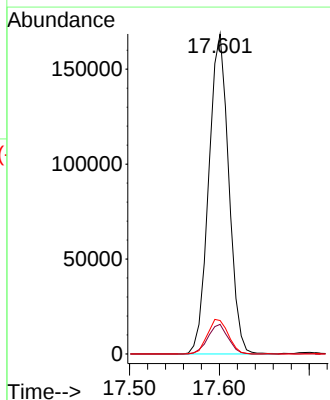


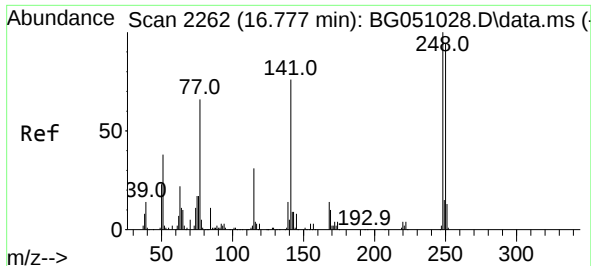
Tgt Ion:	165	Resp:	15885
Ion Ratio	Lower	Upper	
165	100		
63	0.0	48.0	72.0#
89	2.5	65.4	98.0#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Tgt Ion:	188	Resp:	260526
Ion Ratio	Lower	Upper	
188	100		
94	9.2	5.4	8.0#
80	10.4	3.7	5.5#

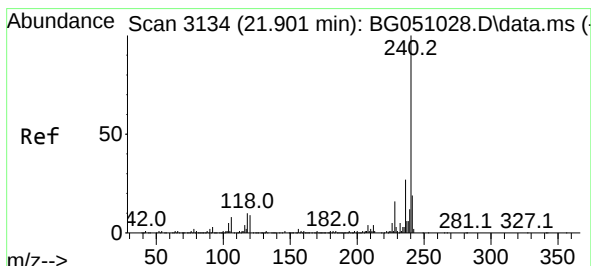
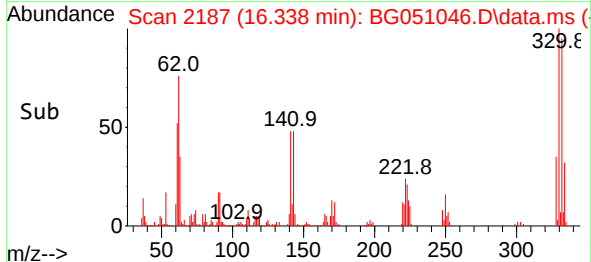
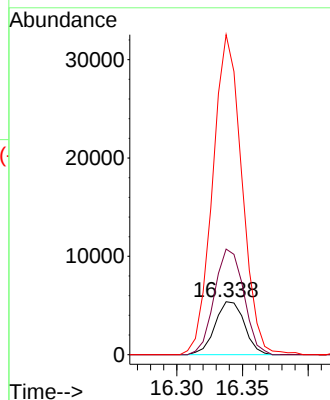
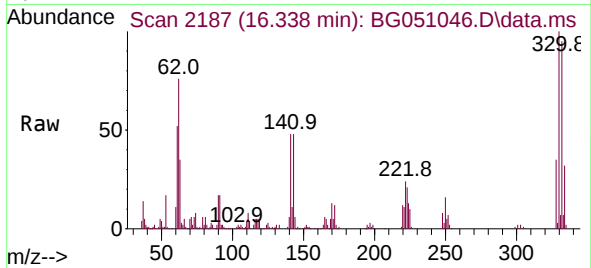




#67
4-Bromophenyl-phenylether
Concen: 3.069 ng
RT: 16.338 min Scan# 2187
Delta R.T. -0.440 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

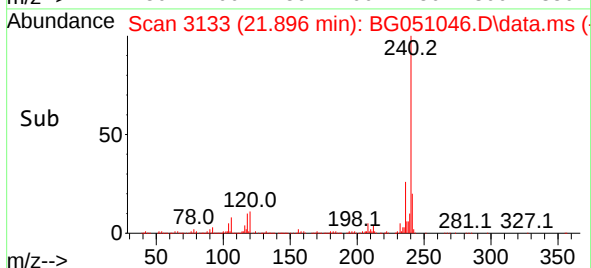
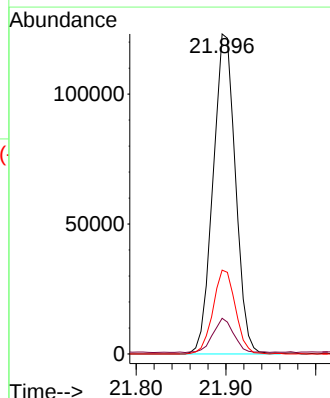
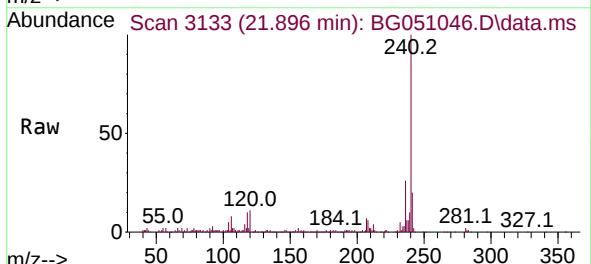
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P1

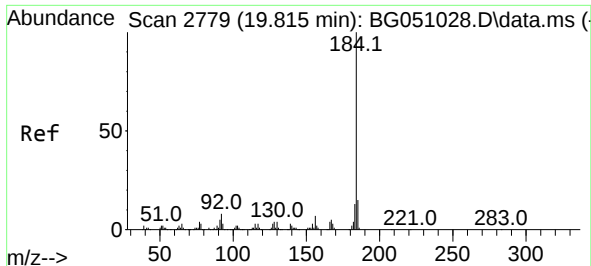
Tgt Ion:248 Resp: 8375
Ion Ratio Lower Upper
248 100
250 199.5 76.1 114.1#
141 604.5 65.4 98.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3133
Delta R.T. -0.005 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Tgt Ion:240 Resp: 213428
Ion Ratio Lower Upper
240 100
120 11.2 4.2 6.2#
236 26.2 21.8 32.6

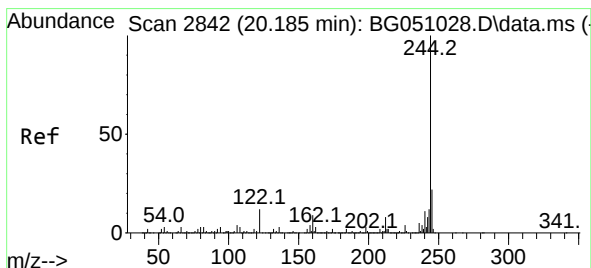
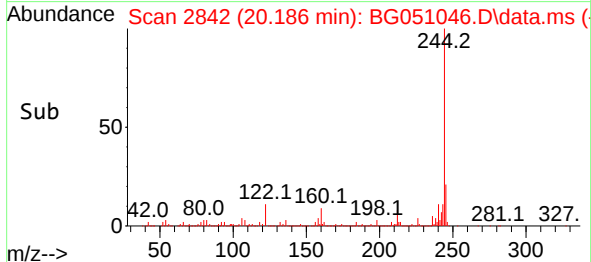
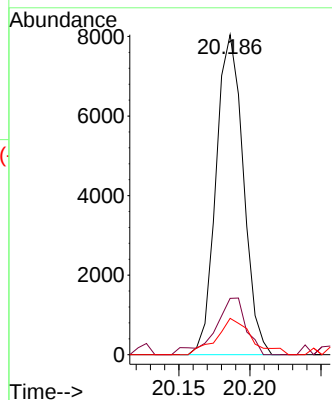
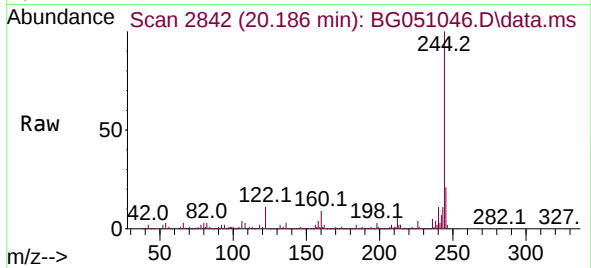




#77
Benzidine
Concen: 2.660 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.371 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

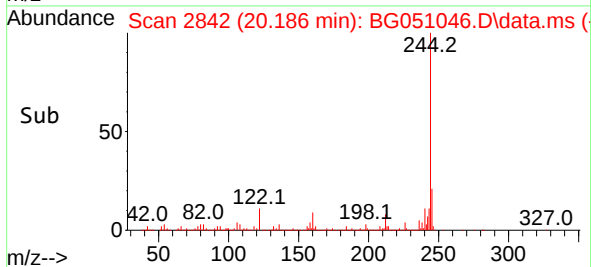
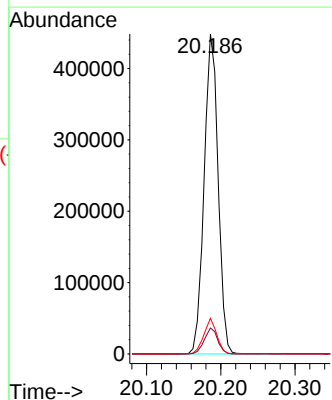
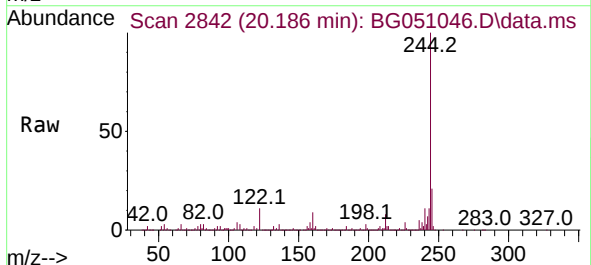
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P1

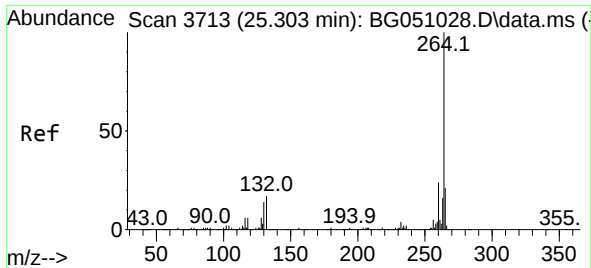
Tgt Ion:184 Resp: 10732
Ion Ratio Lower Upper
184 100
185 17.6 10.7 16.1#
183 11.4 9.4 14.0



#79
Terphenyl-d14
Concen: 50.465 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG051046.D
Acq: 15 Nov 2021 18:02

Tgt Ion:244 Resp: 588626
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 11.2 5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.309 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: BG051046.D
 Acq: 15 Nov 2021 18:02

Instrument :
 BNA_G
 ClientSampleId :
 MF-SOIL-P1

Tgt Ion:264 Resp: 208722
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.4 29.2
 265 23.0 16.9 25.3

