

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051047.D
 Acq On : 15 Nov 2021 18:43
 Operator : CG/JU
 Sample : M4674-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MF-SOIL-P2

Quant Time: Nov 16 00:40:36 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)

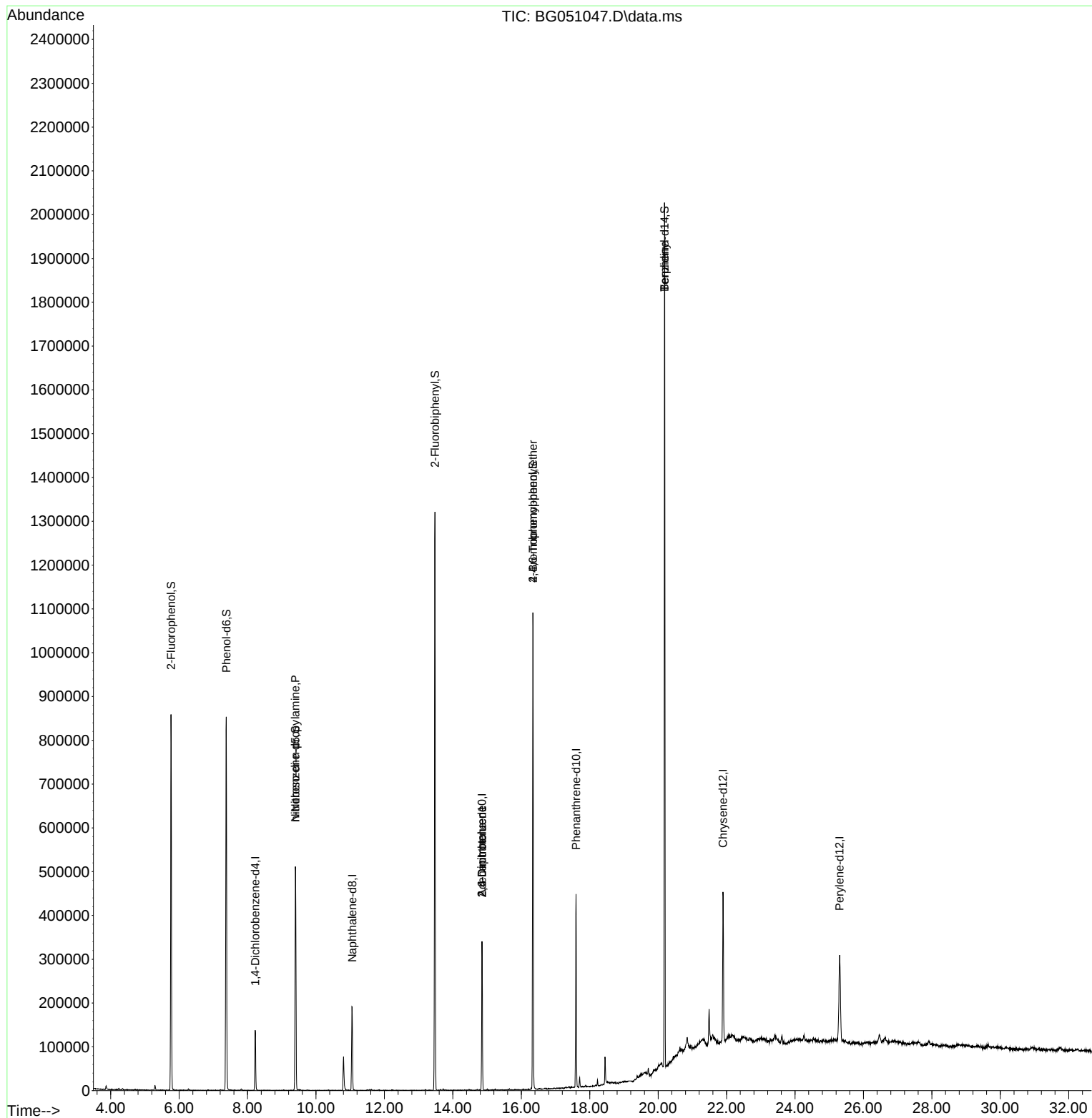
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	38200	20.000	ng	0.00
21) Naphthalene-d8	11.055	136	168361	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	117592	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	263904	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	207562	20.000	ng	# 0.00
86) Perylene-d12	25.303	264	203864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	365812	143.251	ng	0.00
7) Phenol-d6	7.377	99	503170	139.601	ng	0.00
23) Nitrobenzene-d5	9.398	82	343766	90.385	ng	0.00
42) 2,4,6-Tribromophenol	16.343	330	171942	146.113	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	665822	89.464	ng	0.00
79) Terphenyl-d14	20.186	244	901192	79.445	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.398	70	47341	17.773	ng	# 70
51) 2,6-Dinitrotoluene	14.851	165	15310	8.040	ng	# 11
57) 2,4-Dinitrotoluene	14.851	165	15310	5.667	ng	# 16
67) 4-Bromophenyl-phenylether	16.343	248	13325	4.820	ng	# 1
77) Benzidine	20.186	184	16439	4.190	ng	# 93

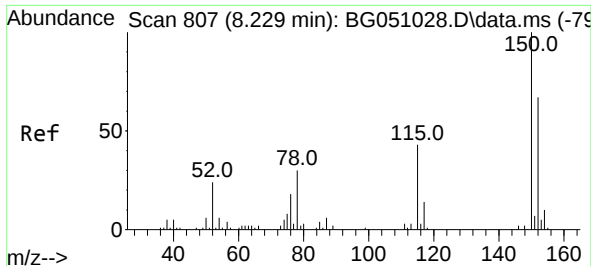
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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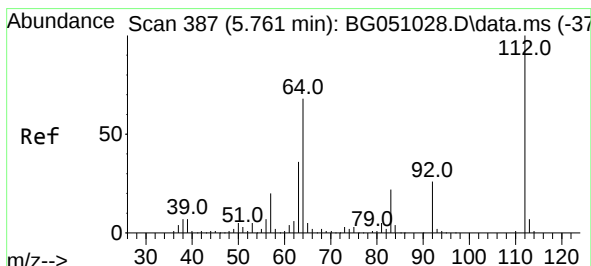
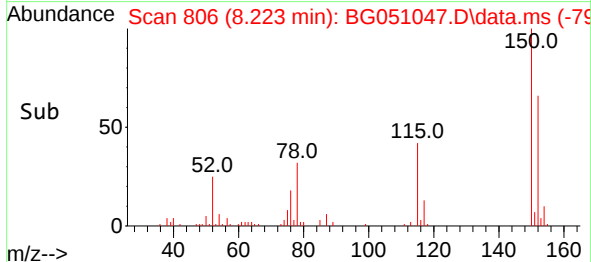
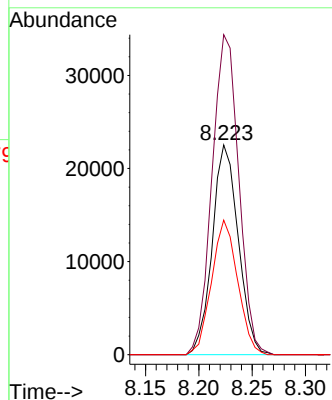
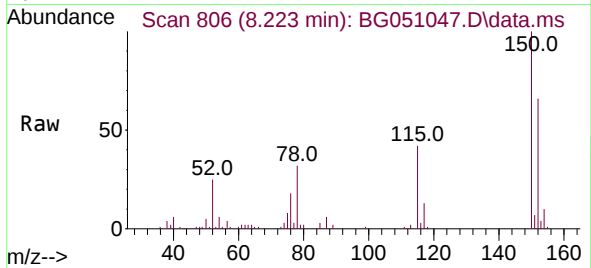




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 807
Delta R.T. -0.006 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

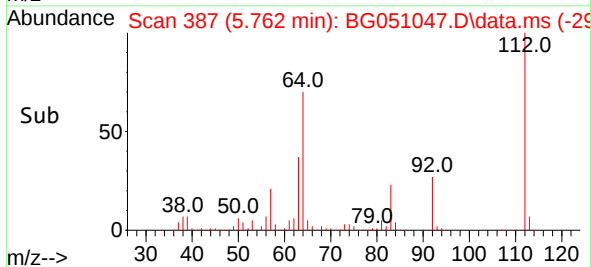
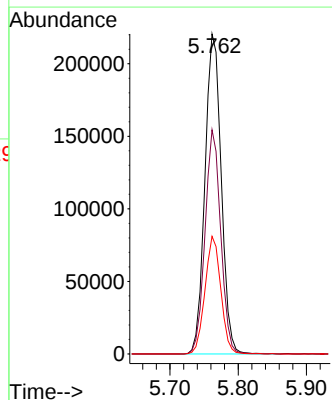
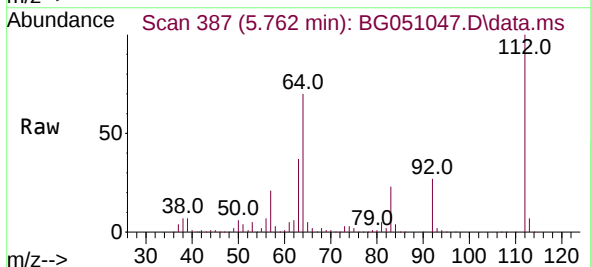
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P2

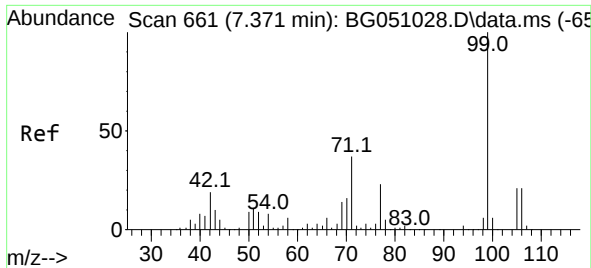
Tgt Ion:152 Resp: 38200
Ion Ratio Lower Upper
152 100
150 152.6 119.4 179.0
115 64.2 60.2 90.4



#5
2-Fluorophenol
Concen: 143.251 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion:112 Resp: 365812
Ion Ratio Lower Upper
112 100
64 70.1 46.7 70.1
63 36.8 35.3 52.9

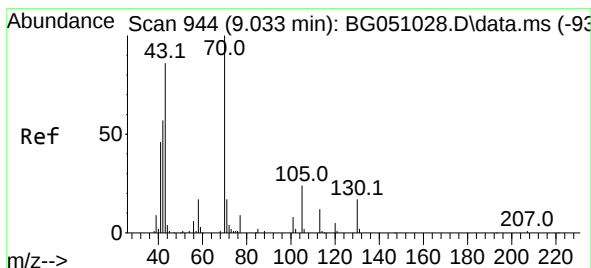
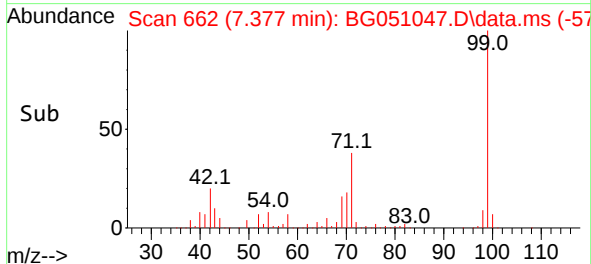
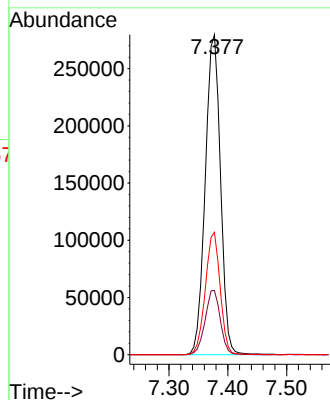
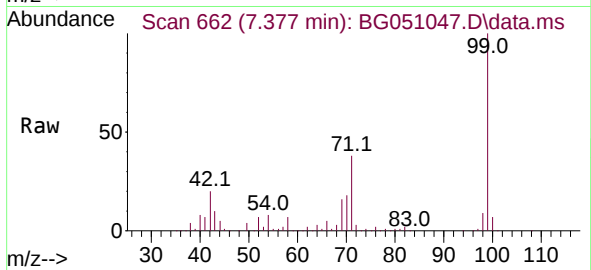




#7
Phenol-d6
Concen: 139.601 ng
RT: 7.377 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

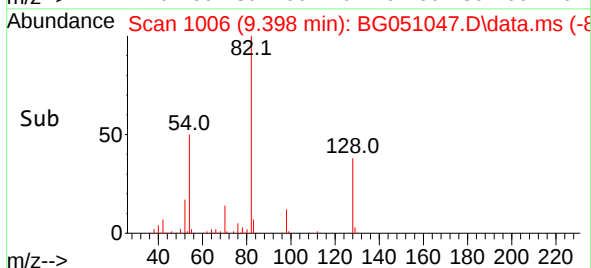
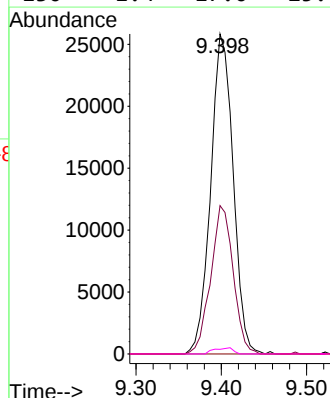
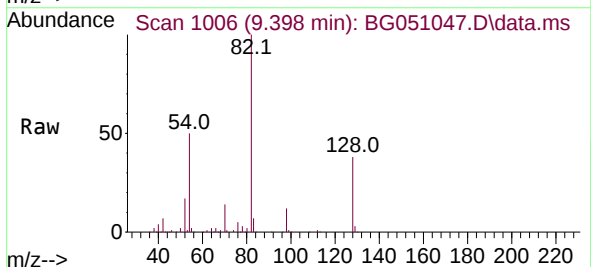
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P2

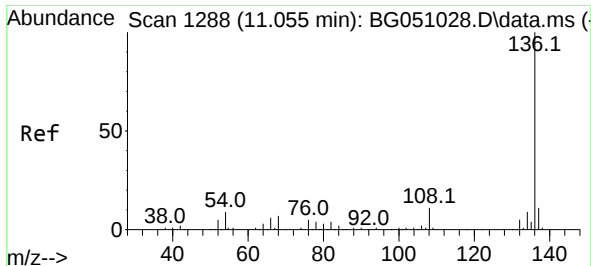
Tgt Ion: 99 Resp: 503170
Ion Ratio Lower Upper
99 100
42 20.1 20.5 30.7#
71 38.2 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 17.773 ng
RT: 9.398 min Scan# 1006
Delta R.T. 0.365 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion: 70 Resp: 47341
Ion Ratio Lower Upper
70 100
42 46.3 54.5 81.7#
101 0.0 9.0 13.6#
130 1.4 17.0 25.6#

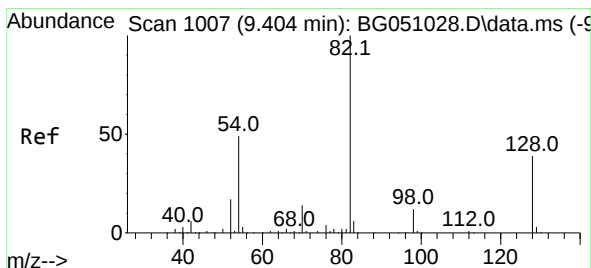
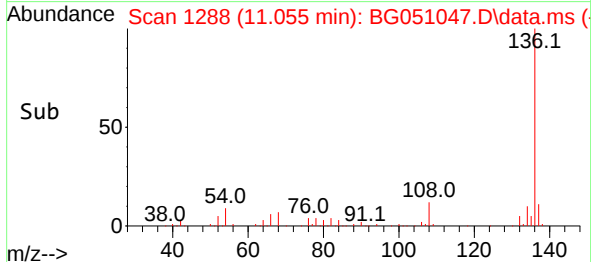
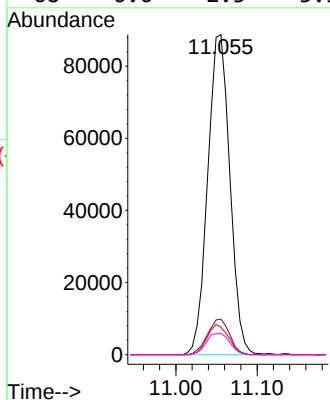
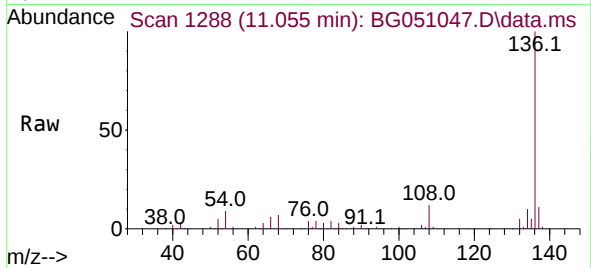




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.055 min Scan# 11055
Delta R.T. 0.001 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

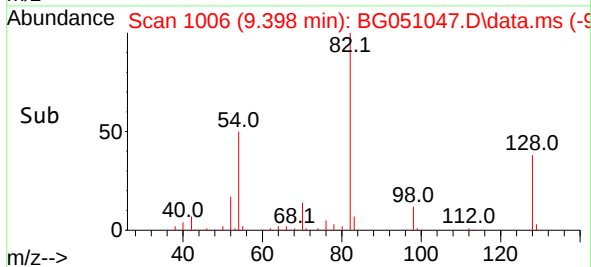
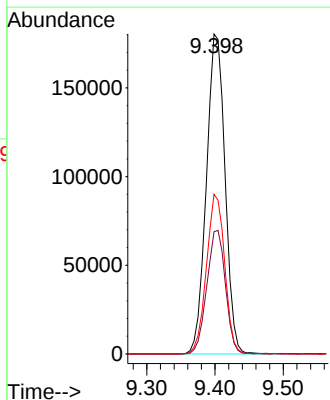
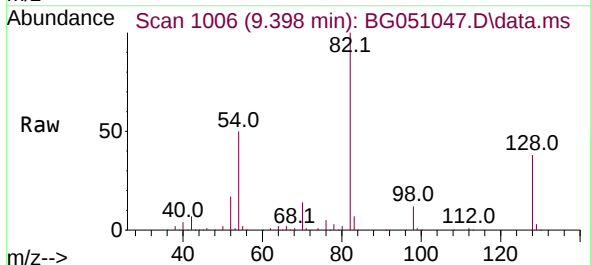
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P2

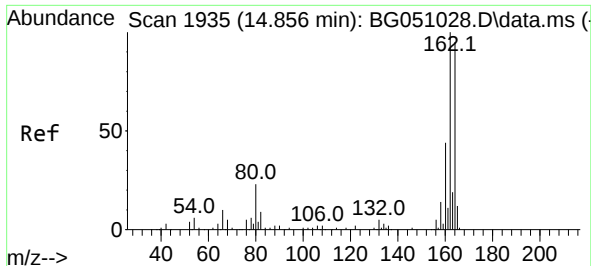
Tgt Ion:	136	Resp:	168361
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.2	12.2
54	8.6	5.5	8.3#
68	6.6	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 90.385 ng
RT: 9.398 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion:	82	Resp:	343766
Ion Ratio	Lower	Upper	
82	100		
128	38.2	29.8	44.6
54	49.9	45.8	68.8

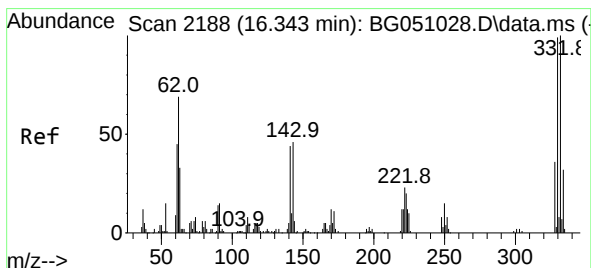
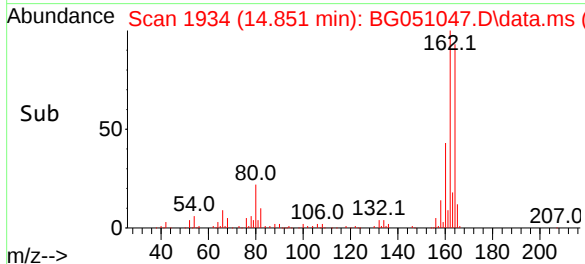
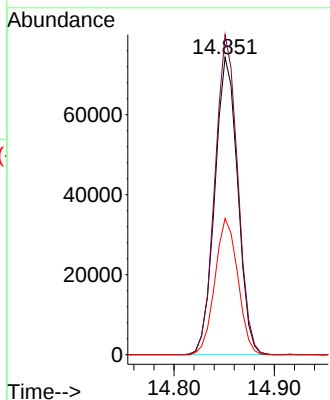
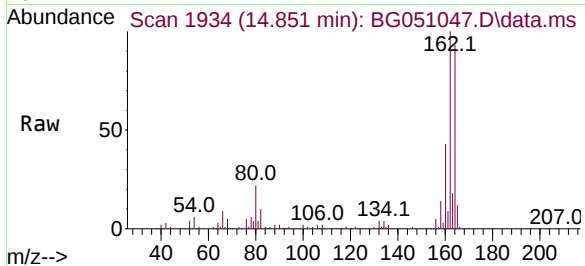




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

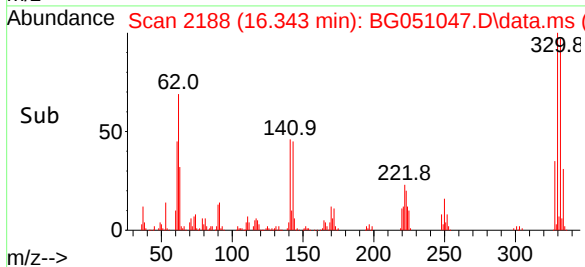
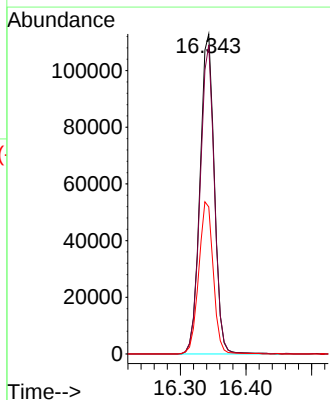
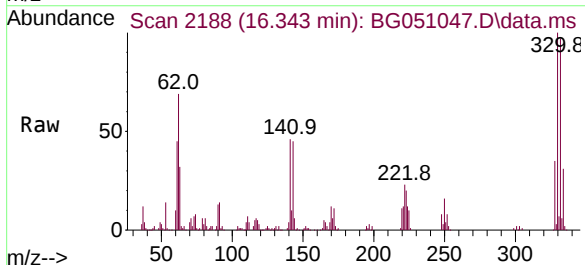
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P2

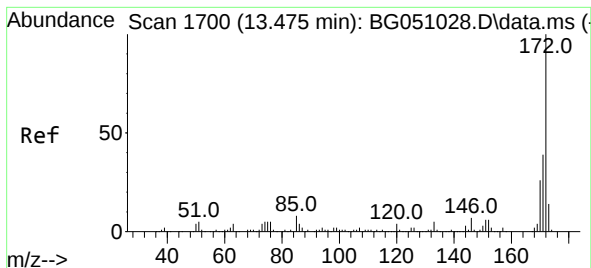
Tgt Ion:164 Resp: 117592
Ion Ratio Lower Upper
164 100
162 107.6 81.4 122.0
160 45.8 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 146.113 ng
RT: 16.343 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion:330 Resp: 171942
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 48.2 35.6 53.4

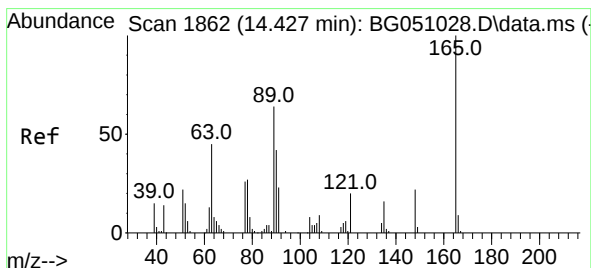
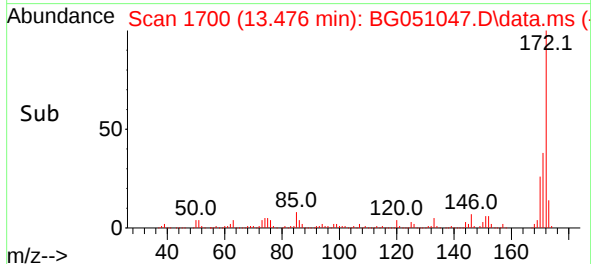
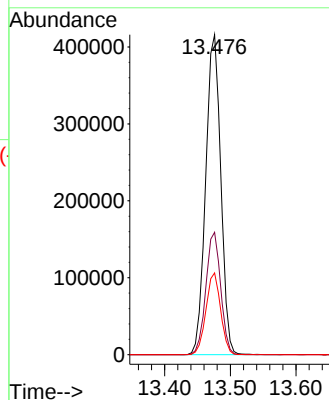
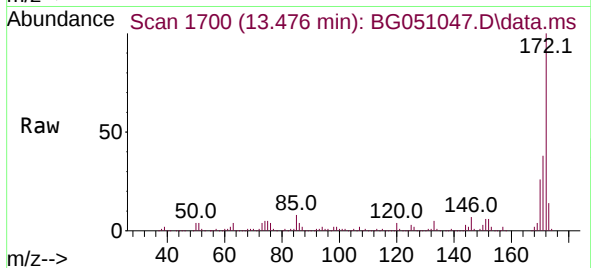




#45
2-Fluorobiphenyl
Concen: 89.464 ng
RT: 13.476 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

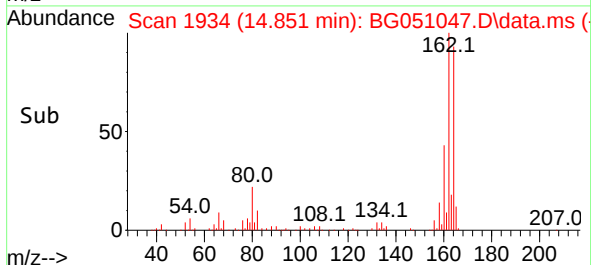
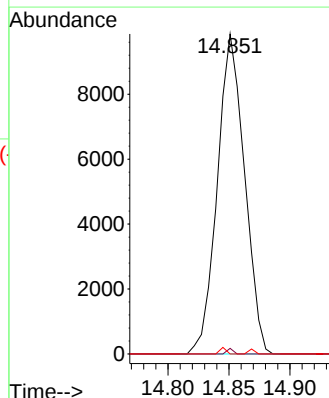
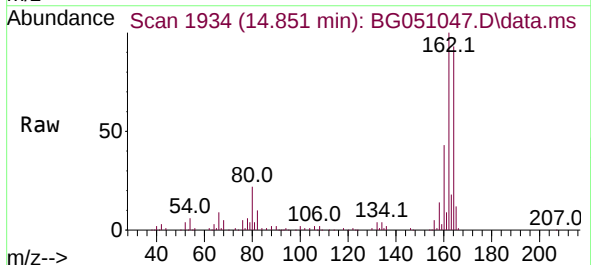
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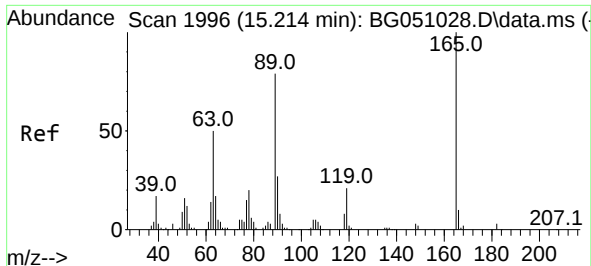
Tgt Ion:172 Resp: 665822
Ion Ratio Lower Upper
172 100
171 38.2 28.6 43.0
170 25.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.040 ng
RT: 14.851 min Scan# 1934
Delta R.T. 0.424 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion:165 Resp: 15310
Ion Ratio Lower Upper
165 100
63 1.8 63.3 94.9#
89 0.0 63.4 95.0#

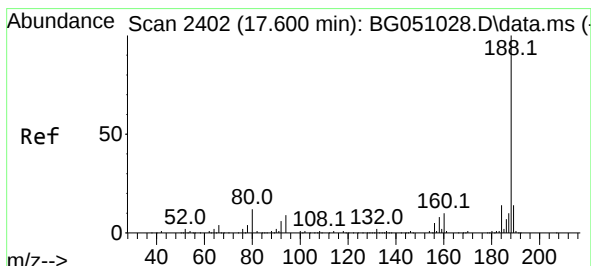
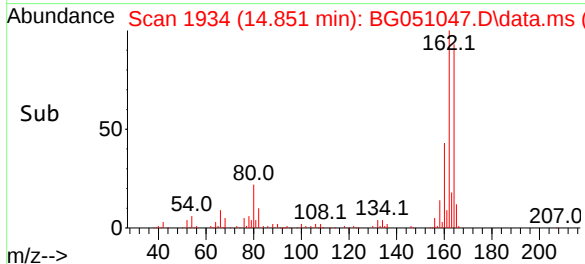
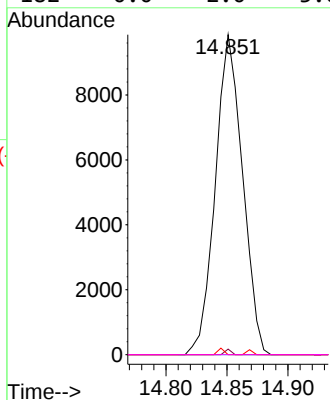
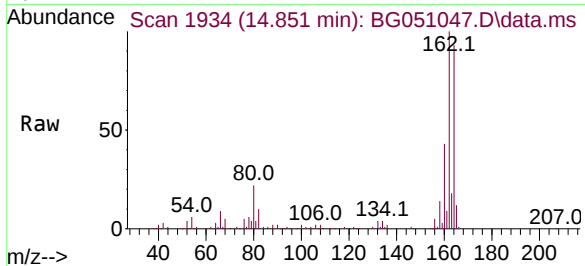




#57
2,4-Dinitrotoluene
Concen: 5.667 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.364 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

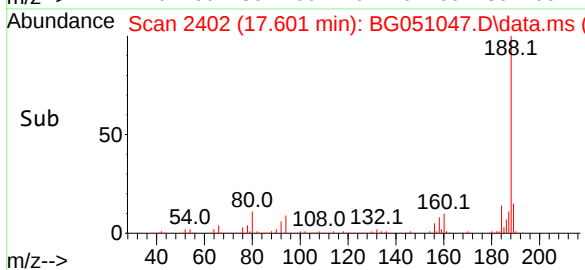
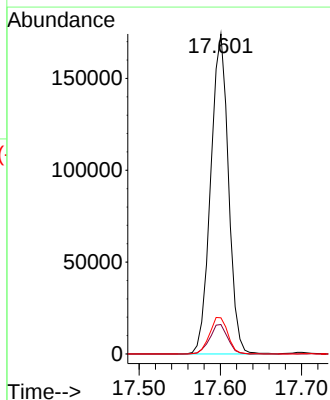
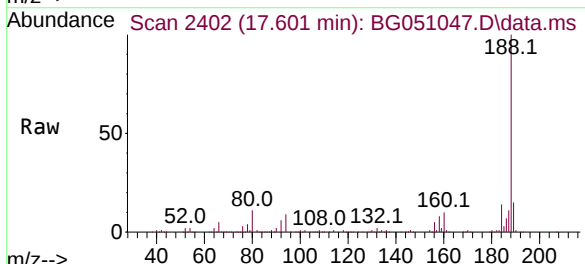
Instrument :
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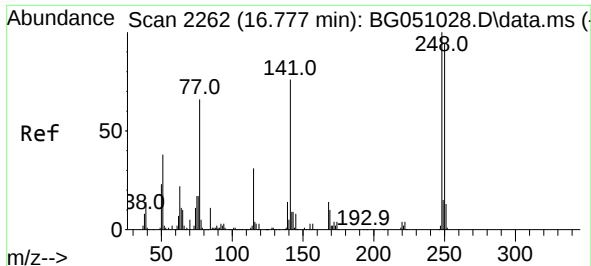
Tgt Ion:	165	Resp:	15310
Ion Ratio	Lower	Upper	
165	100		
63	1.8	48.0	72.0#
89	0.0	65.4	98.0#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion:	188	Resp:	263904
Ion Ratio	Lower	Upper	
188	100		
94	9.2	5.4	8.0#
80	11.3	3.7	5.5#

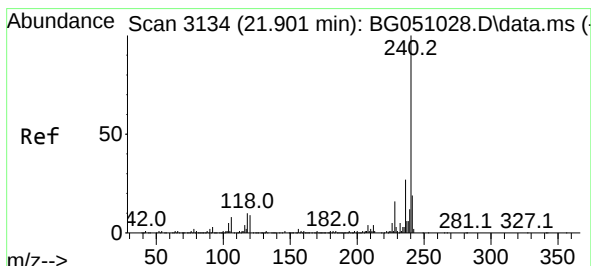
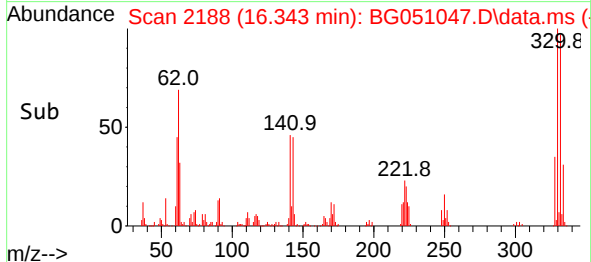
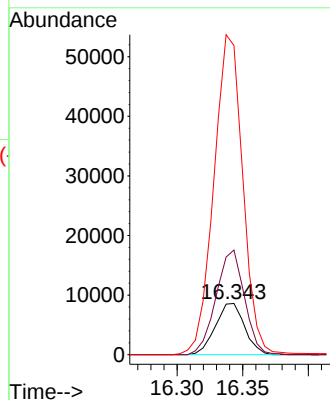
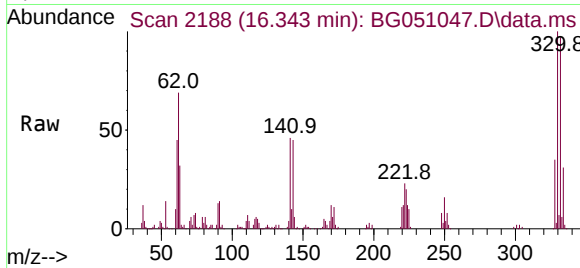




#67
4-Bromophenyl-phenylether
Concen: 4.820 ng
RT: 16.343 min Scan# 2188
Delta R.T. -0.434 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

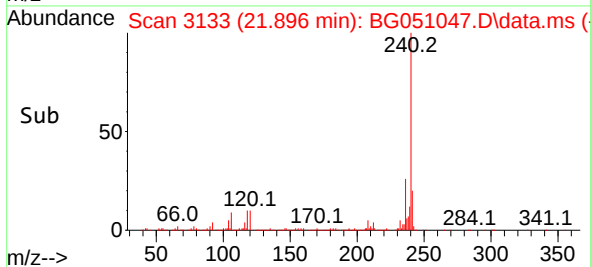
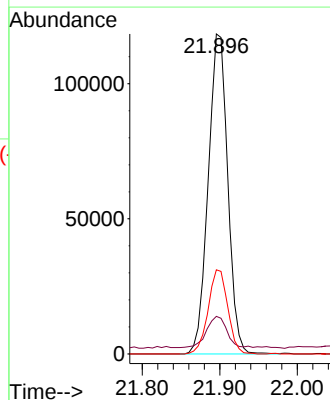
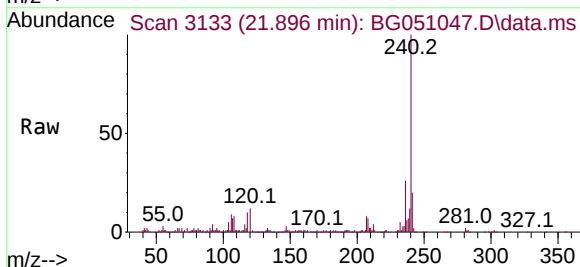
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P2

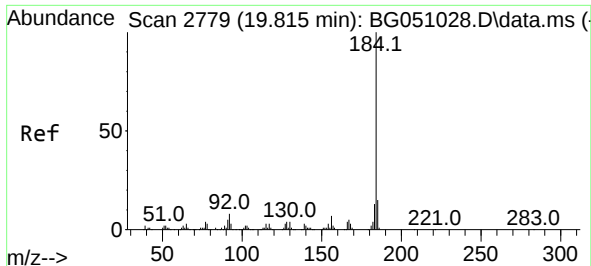
Tgt Ion:248 Resp: 13325
Ion Ratio Lower Upper
248 100
250 204.4 76.1 114.1#
141 603.7 65.4 98.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3133
Delta R.T. -0.005 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion:240 Resp: 207562
Ion Ratio Lower Upper
240 100
120 11.8 4.2 6.2#
236 26.3 21.8 32.6

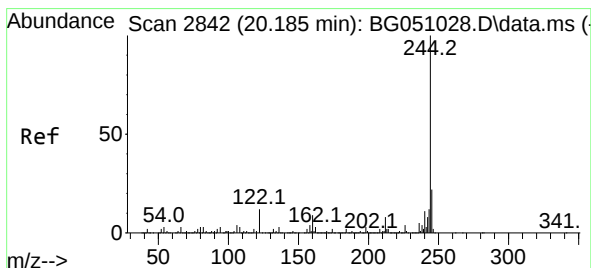
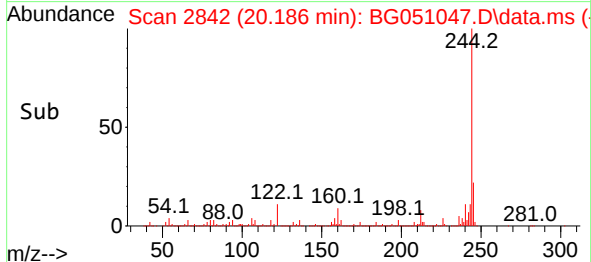
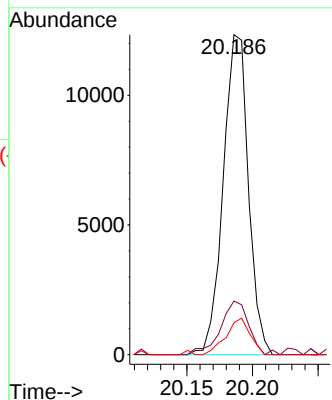
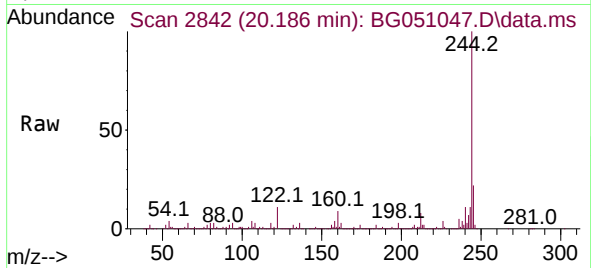




#77
Benzidine
Concen: 4.190 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.371 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

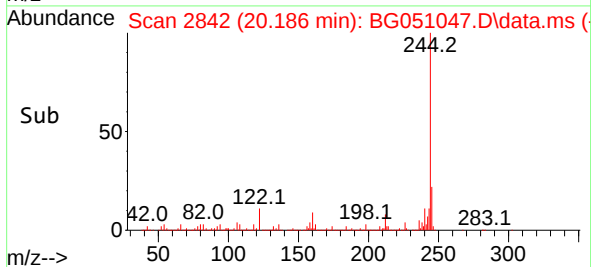
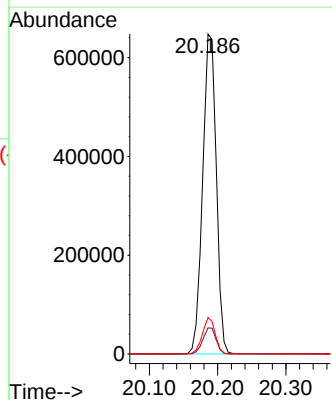
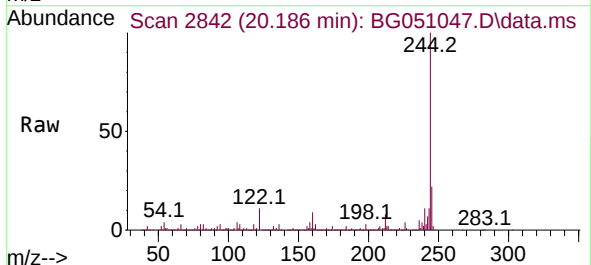
Instrument :
BNA_G
ClientSampleId :
MF-SOIL-P2

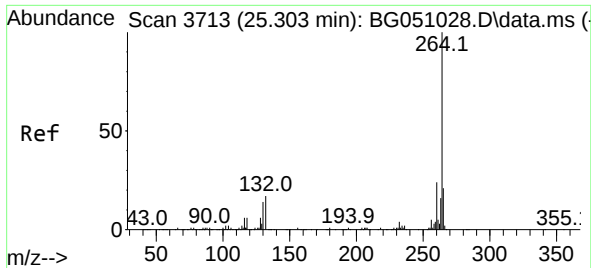
Tgt Ion:184 Resp: 16439
Ion Ratio Lower Upper
184 100
185 16.8 10.7 16.1#
183 9.9 9.4 14.0



#79
Terphenyl-d14
Concen: 79.445 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG051047.D
Acq: 15 Nov 2021 18:43

Tgt Ion:244 Resp: 901192
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 11.4 5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.303 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG051047.D
 Acq: 15 Nov 2021 18:43

Instrument :
 BNA_G
 ClientSampleId :
 MF-SOIL-P2

Tgt Ion:264 Resp: 203864
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 22.4 16.9 25.3

