

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060086.D
 Acq On : 19 Dec 2023 15:26
 Operator : MA/JU
 Sample : 05884-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-3

Quant Time: Dec 19 16:15:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

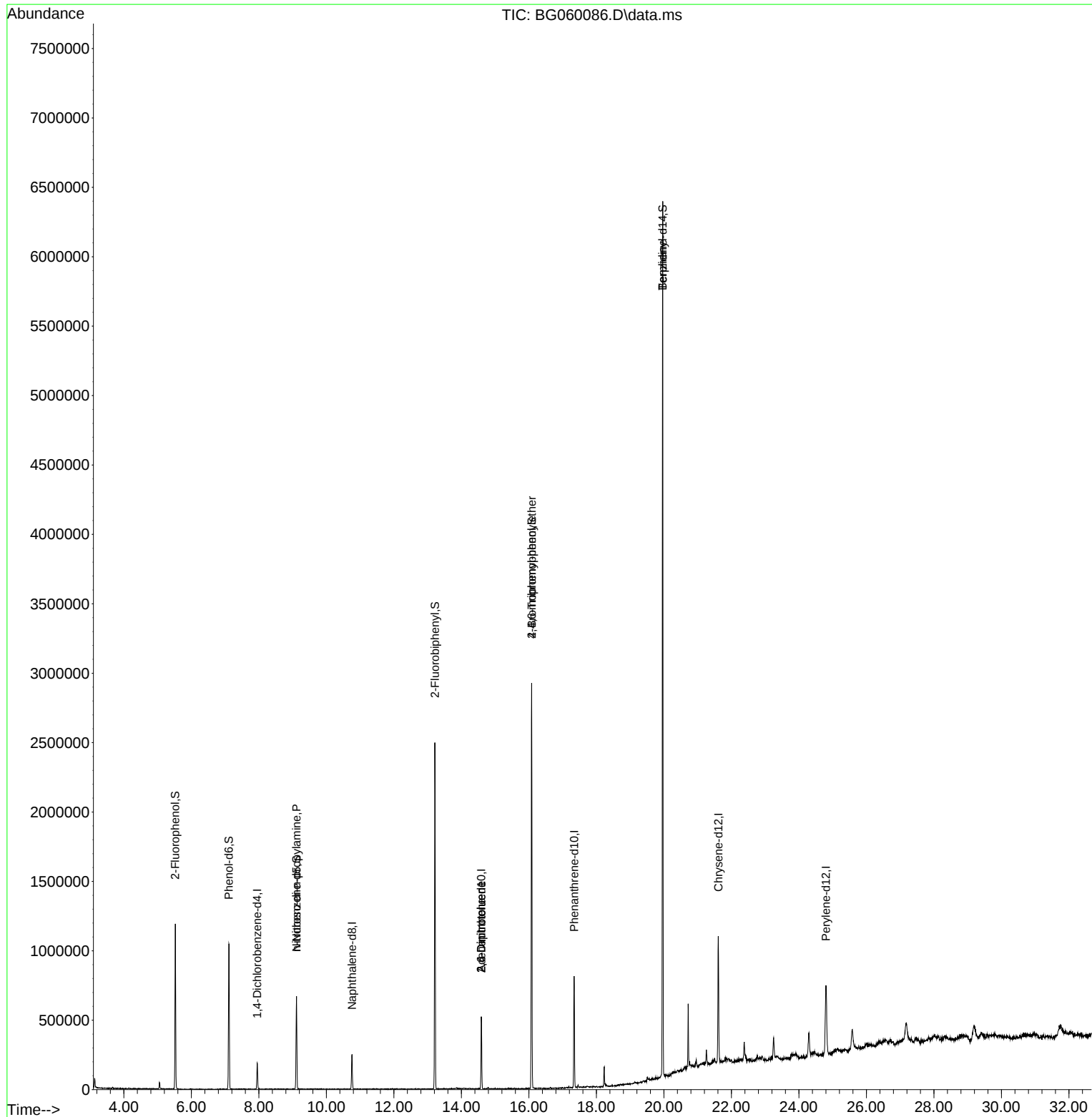
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	48520	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	187512	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	182845	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	580469	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	603341	20.000	ng	# 0.00
86) Perylene-d12	24.801	264	653526	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	381857	134.724	ng	0.00
7) Phenol-d6	7.110	99	494317	123.983	ng	0.00
23) Nitrobenzene-d5	9.113	82	363345	87.988	ng	0.00
42) 2,4,6-Tribromophenol	16.082	330	716239	168.086	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	1318021	88.223	ng	0.00
79) Terphenyl-d14	19.965	244	3487569	105.534	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.113	70	56940	22.136	ng	# 77
51) 2,6-Dinitrotoluene	14.589	165	24571	8.357	ng	# 24
57) 2,4-Dinitrotoluene	14.589	165	24571	5.945	ng	# 27
67) 4-Bromophenyl-phenylether	16.082	248	43710	5.337	ng	# 1
69) Atrazine	16.798	200	101	Below Cal		# 34
77) Benzidine	19.965	184	56370	7.274	ng	# 88

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
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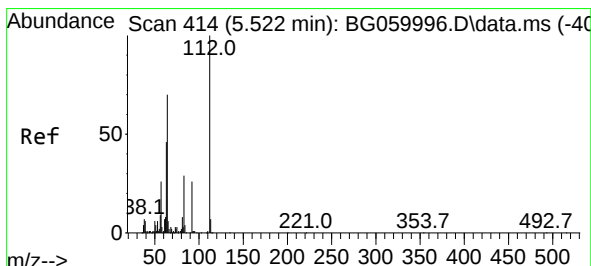
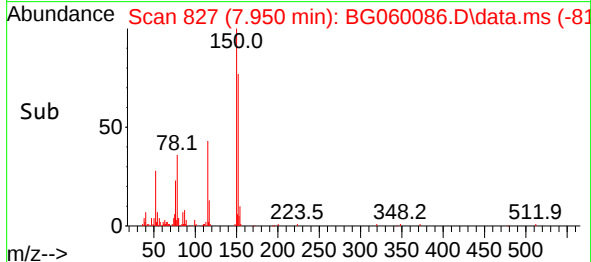
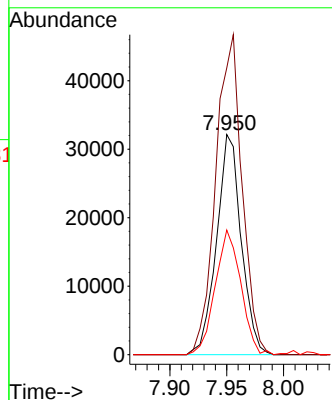
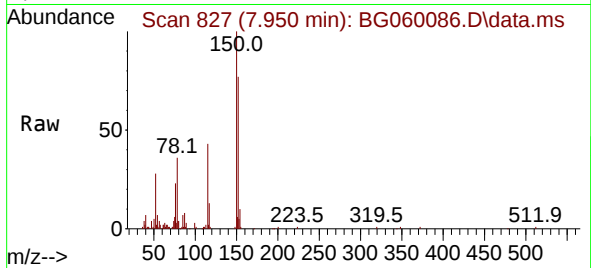




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.950 min Scan# 81
 Delta R.T. -0.009 min
 Lab File: BG060086.D
 Acq: 19 Dec 2023 15:26

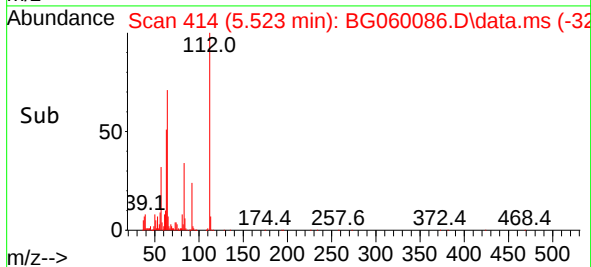
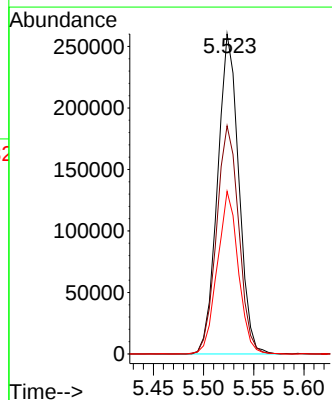
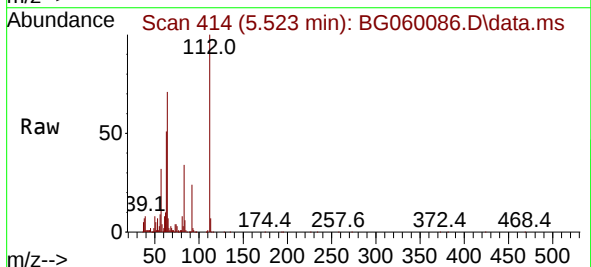
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-3

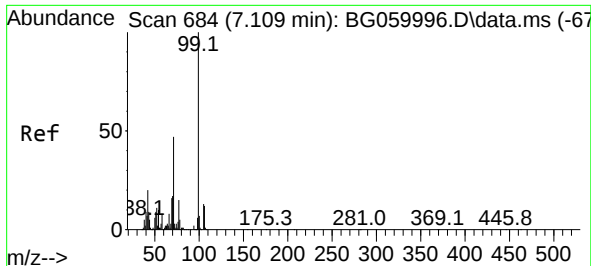
Tgt Ion:152 Resp: 48520
 Ion Ratio Lower Upper
 152 100
 150 130.2 127.0 190.6
 115 56.6 45.7 68.5



#5
 2-Fluorophenol
 Concen: 134.724 ng
 RT: 5.523 min Scan# 414
 Delta R.T. -0.003 min
 Lab File: BG060086.D
 Acq: 19 Dec 2023 15:26

Tgt Ion:112 Resp: 381857
 Ion Ratio Lower Upper
 112 100
 64 71.3 55.9 83.9
 63 50.8 36.5 54.7

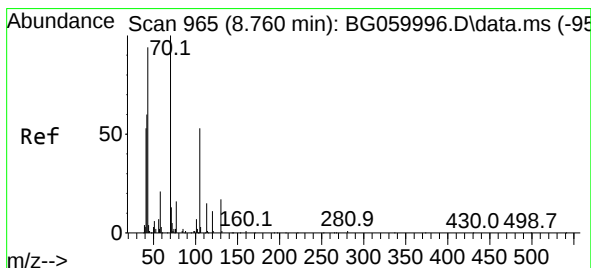
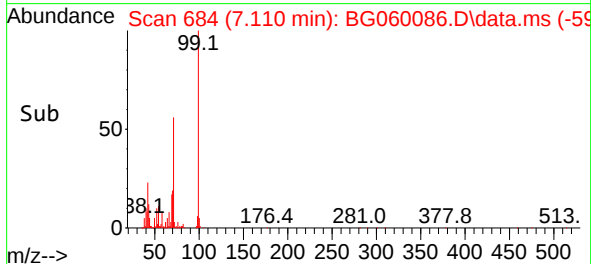
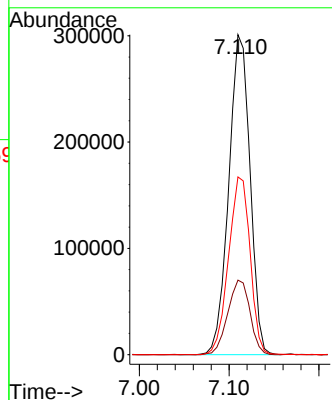
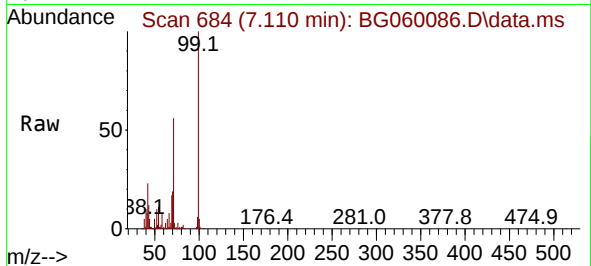




#7
Phenol-d6
Concen: 123.983 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

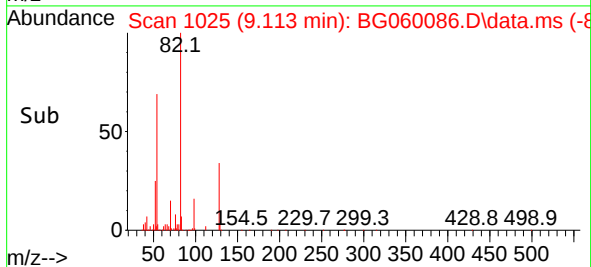
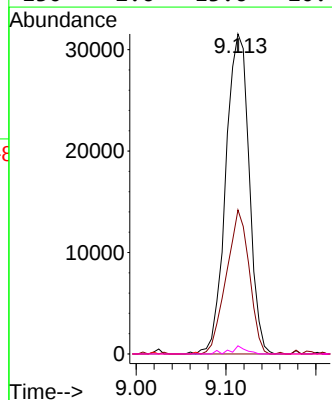
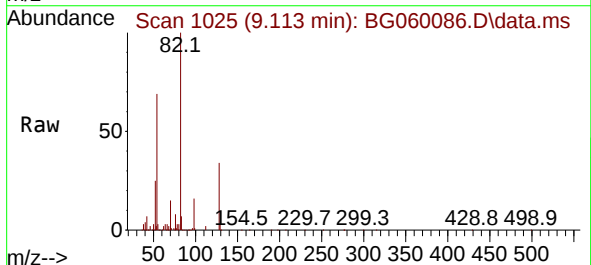
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-3

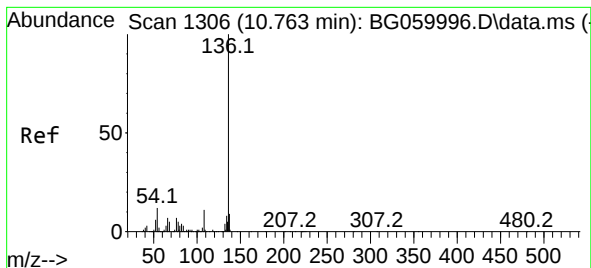
Tgt Ion: 99 Resp: 494317
Ion Ratio Lower Upper
99 100
42 23.3 16.2 24.4
71 55.5 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 22.136 ng
RT: 9.113 min Scan# 1025
Delta R.T. 0.350 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion: 70 Resp: 56940
Ion Ratio Lower Upper
70 100
42 45.0 48.6 73.0#
101 0.0 5.7 8.5#
130 2.6 13.6 20.4#

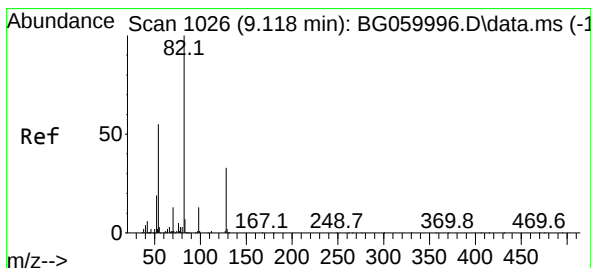
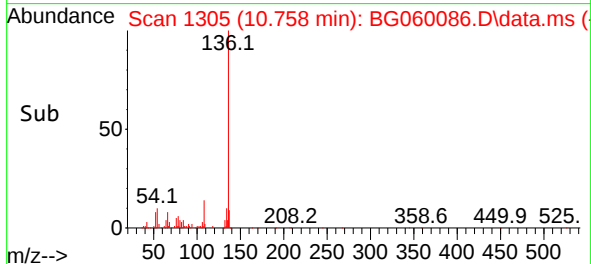
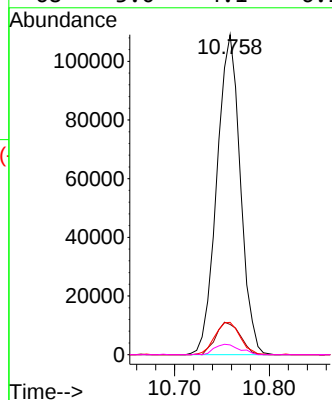
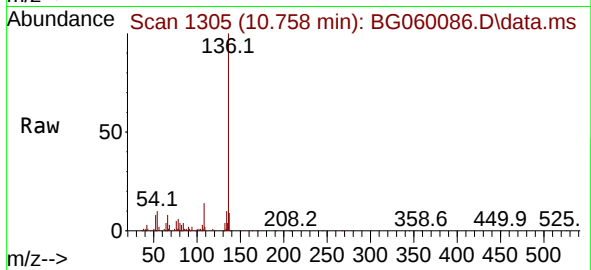




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

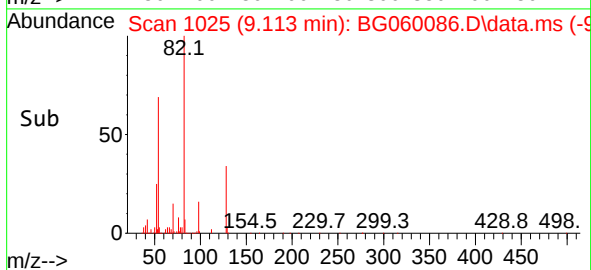
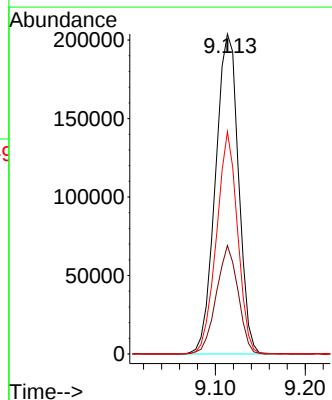
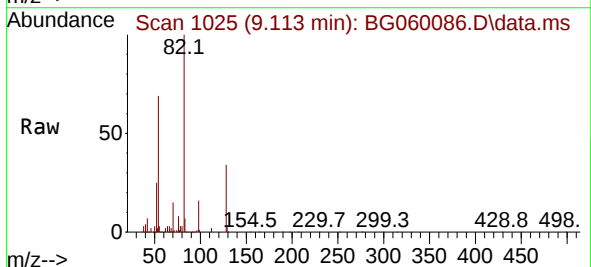
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-3

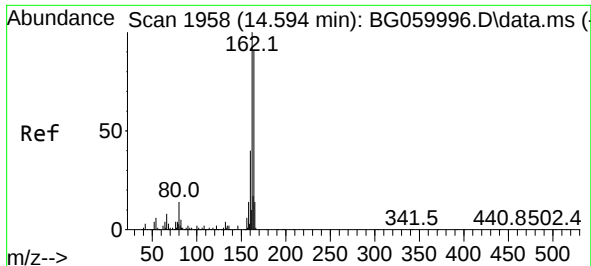
Tgt Ion:136 Resp: 187512
Ion Ratio Lower Upper
136 100
137 9.5 7.3 10.9
54 10.1 9.6 14.4
68 3.0 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 87.988 ng
RT: 9.113 min Scan# 1025
Delta R.T. -0.009 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion: 82 Resp: 363345
Ion Ratio Lower Upper
82 100
128 33.9 26.3 39.5
54 69.4 44.3 66.5#

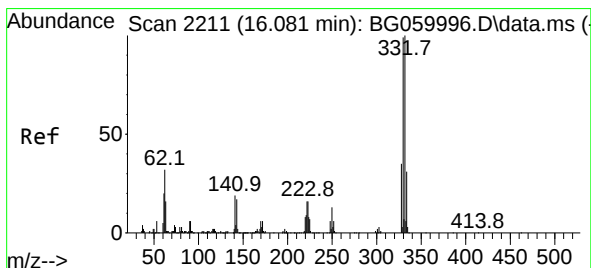
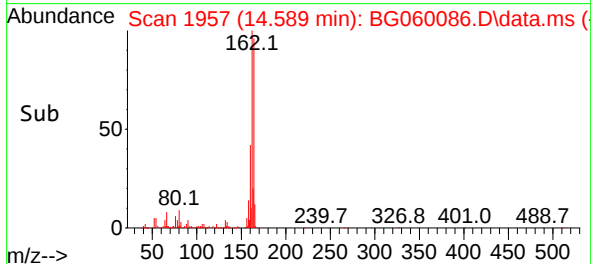
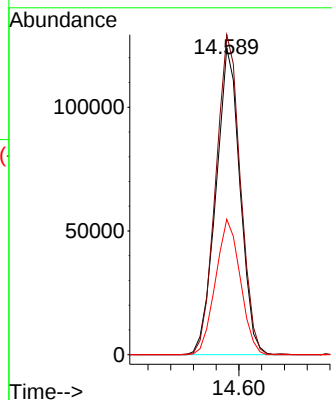
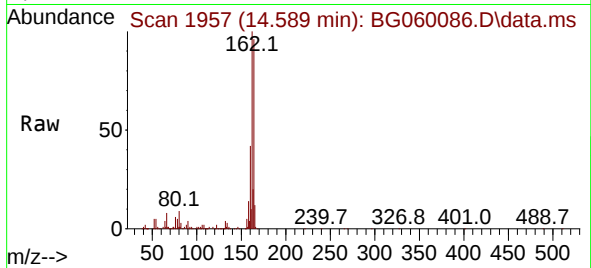




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.009 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

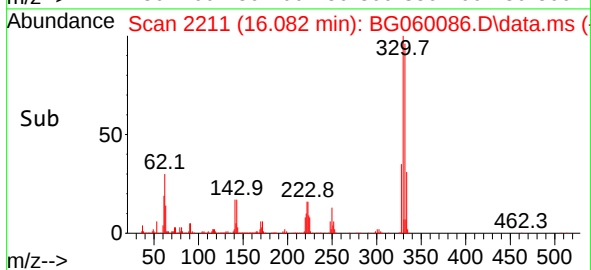
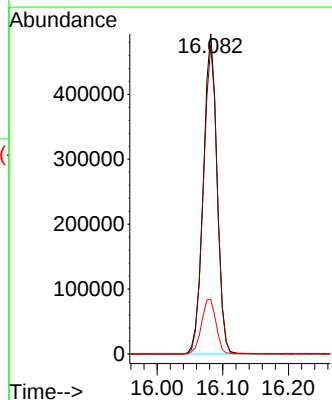
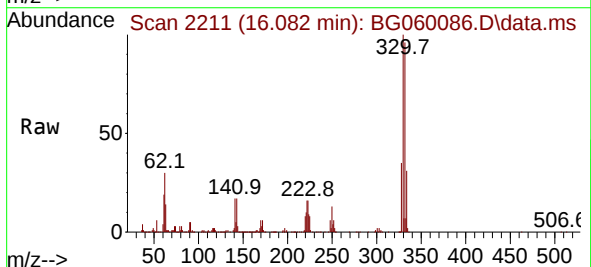
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ClientSampleId :
SOIL-COMP-3

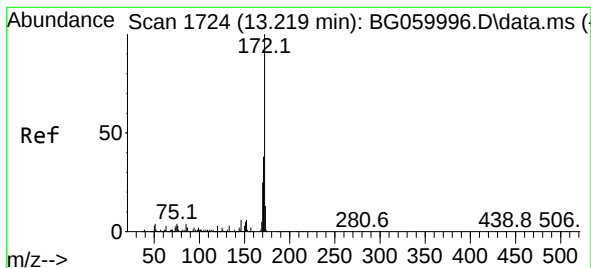
Tgt Ion:164 Resp: 182845
Ion Ratio Lower Upper
164 100
162 104.3 88.1 132.1
160 44.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 168.086 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.003 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion:330 Resp: 716239
Ion Ratio Lower Upper
330 100
332 97.3 76.2 114.4
141 18.1 14.3 21.5

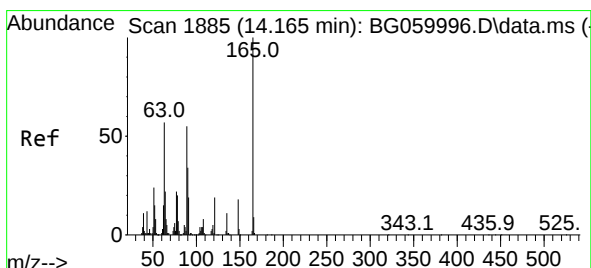
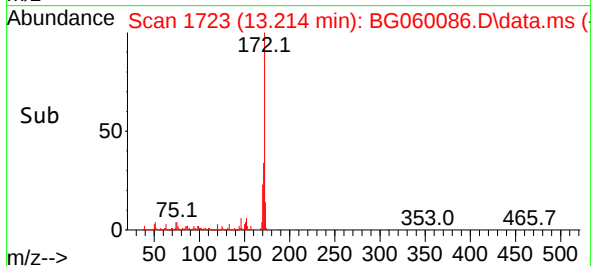
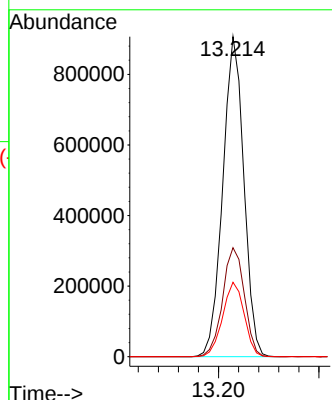
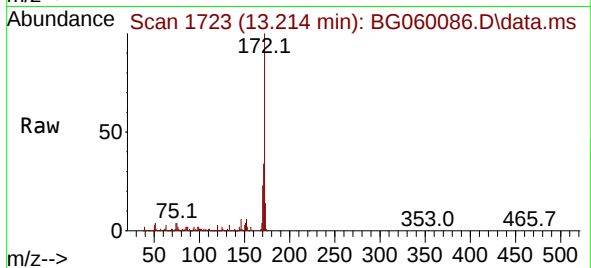




#45
2-Fluorobiphenyl
Concen: 88.223 ng
RT: 13.214 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

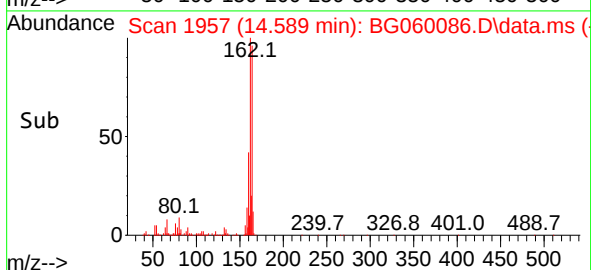
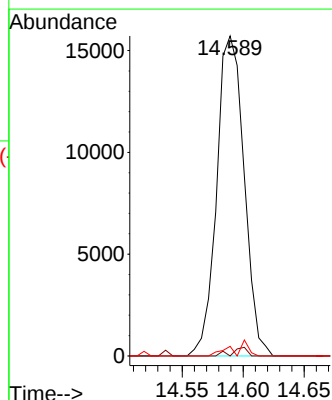
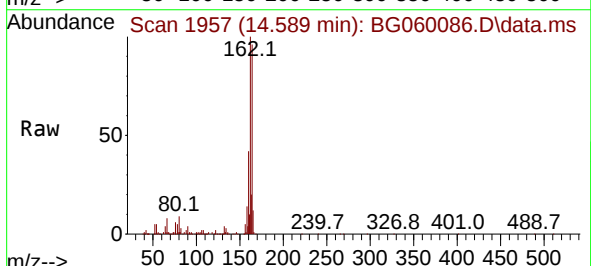
Instrument :
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ClientSampleId :
SOIL-COMP-3

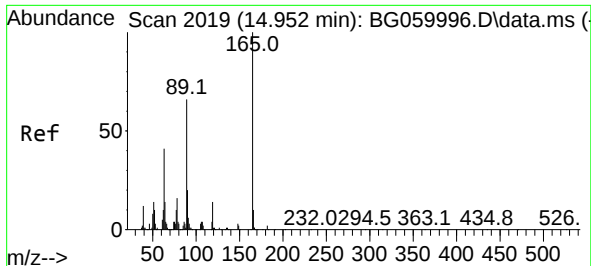
Tgt Ion:172 Resp: 1318021
Ion Ratio Lower Upper
172 100
171 34.1 30.1 45.1
170 23.2 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.357 ng
RT: 14.589 min Scan# 1957
Delta R.T. 0.420 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion:165 Resp: 24571
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 3.0 44.4 66.6#

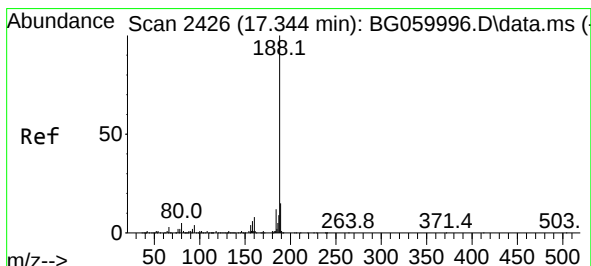
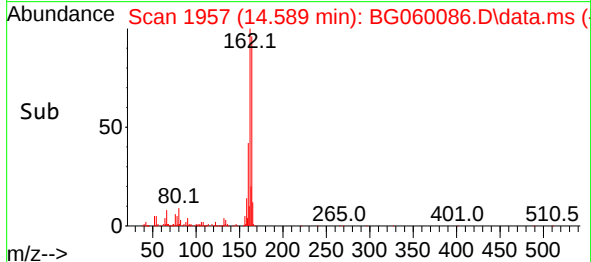
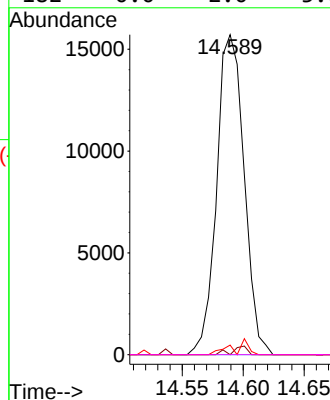
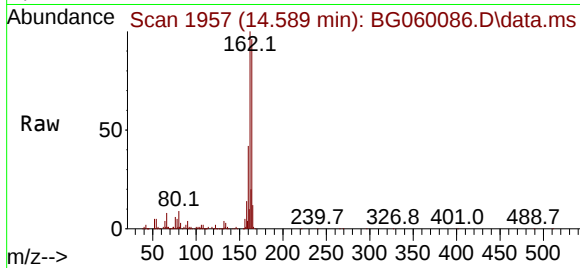




#57
2,4-Dinitrotoluene
Concen: 5.945 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.361 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

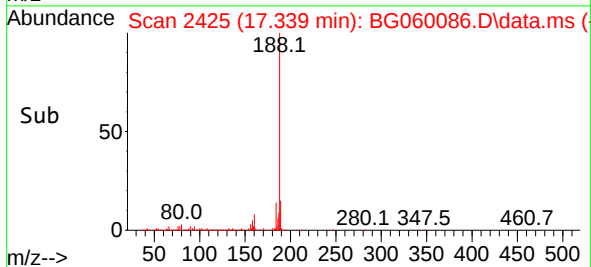
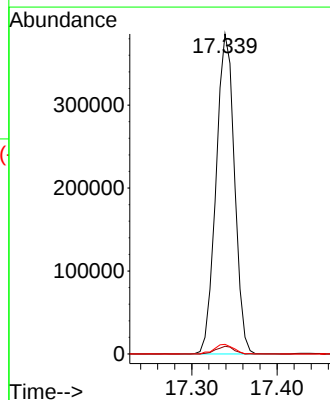
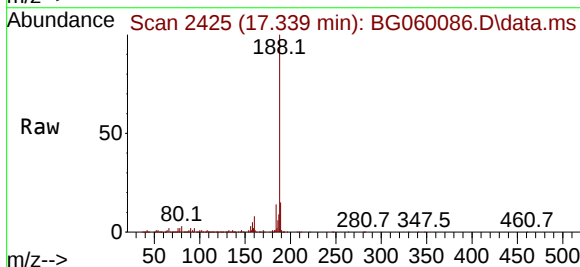
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-3

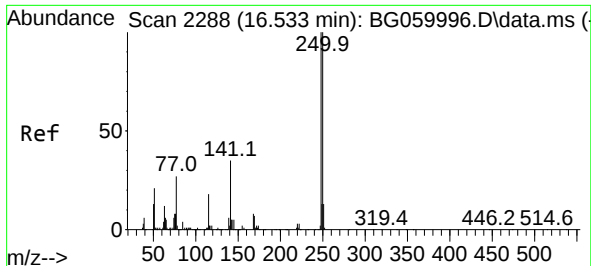
Tgt Ion:165 Resp: 24571
Ion Ratio Lower Upper
165 100
63 0.0 32.8 49.2#
89 3.0 53.0 79.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.009 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion:188 Resp: 580469
Ion Ratio Lower Upper
188 100
94 2.4 3.0 4.6#
80 3.0 4.0 6.0#

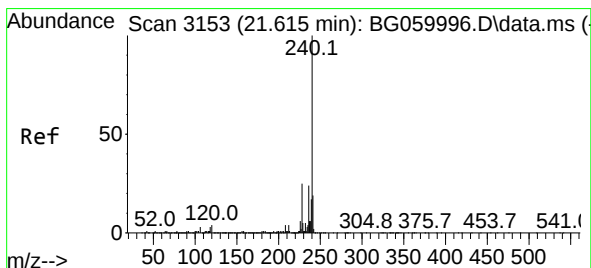
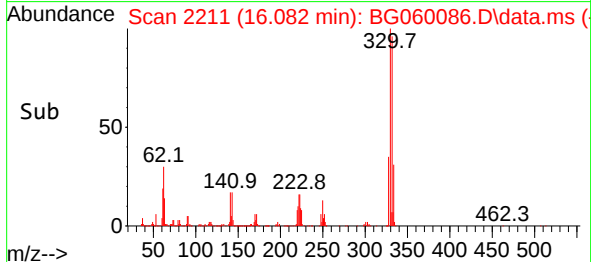
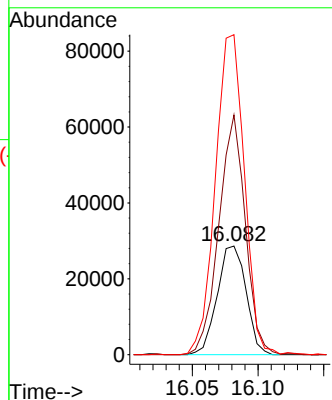
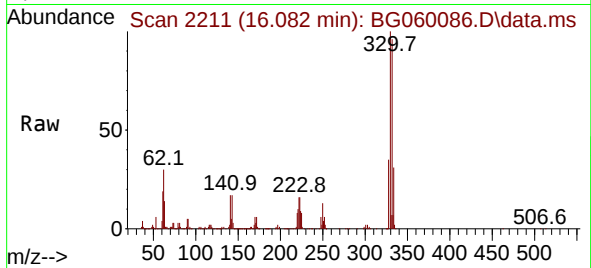




#67
4-Bromophenyl-phenylether
Concen: 5.337 ng
RT: 16.082 min Scan# 211
Delta R.T. -0.455 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

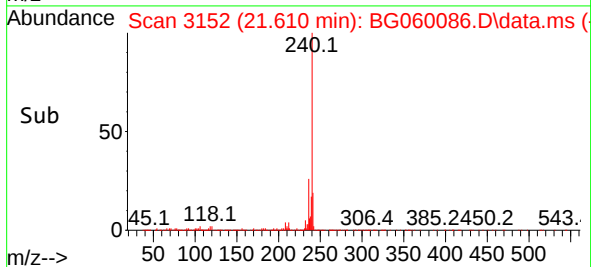
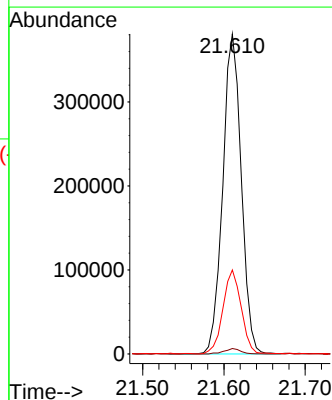
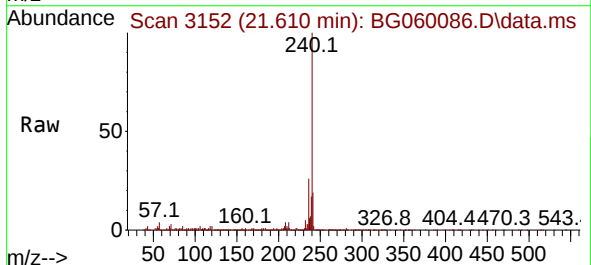
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-3

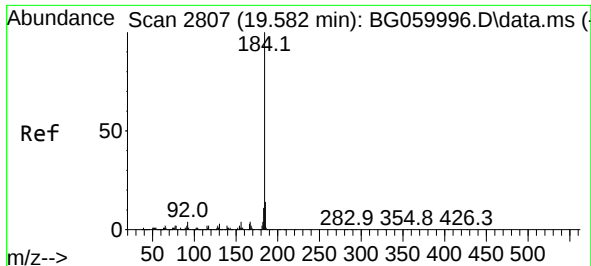
Tgt Ion:248 Resp: 43710
Ion Ratio Lower Upper
248 100
250 220.4 79.9 119.9#
141 294.4 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.009 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion:240 Resp: 603341
Ion Ratio Lower Upper
240 100
120 1.7 2.9 4.3#
236 26.2 19.4 29.2

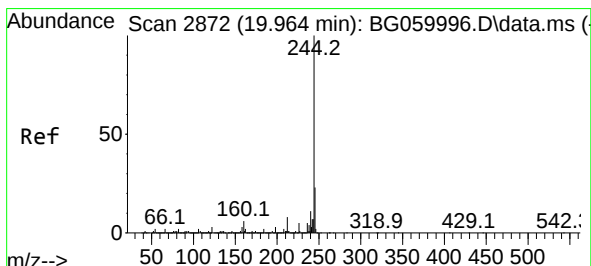
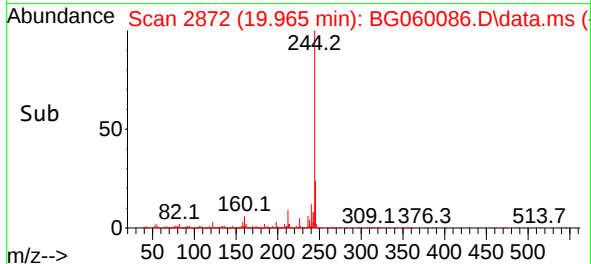
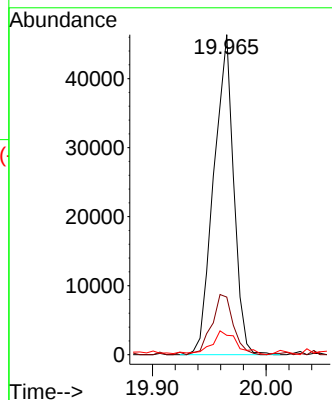
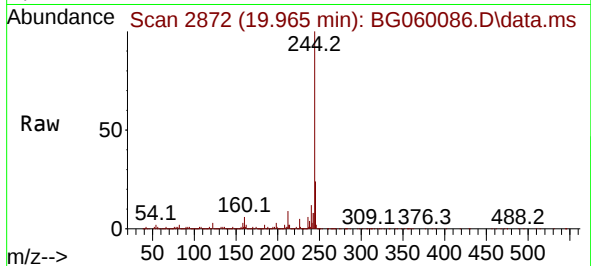




#77
Benzidine
Concen: 7.274 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.379 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

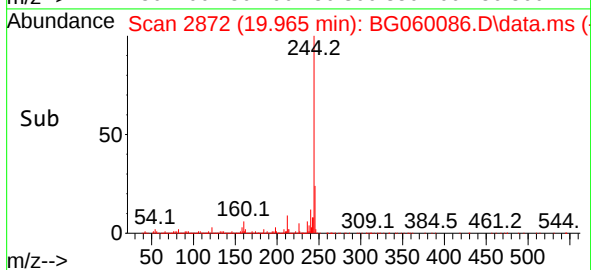
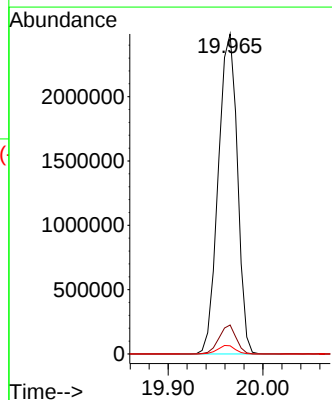
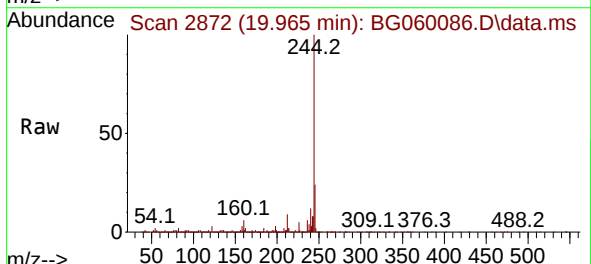
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-3

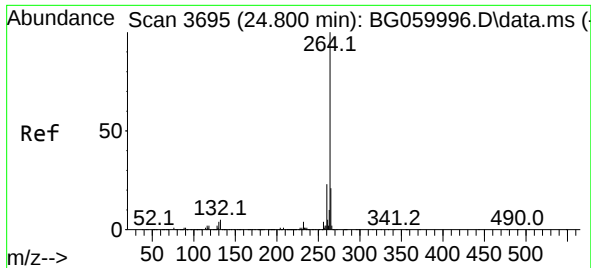
Tgt Ion:184 Resp: 56370
Ion Ratio Lower Upper
184 100
185 18.0 11.1 16.7#
183 6.1 9.0 13.4#



#79
Terphenyl-d14
Concen: 105.534 ng
RT: 19.965 min Scan# 2872
Delta R.T. -0.003 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion:244 Resp: 3487569
Ion Ratio Lower Upper
244 100
212 9.1 6.8 10.2
122 2.6 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.801 min Scan# 30
 Delta R.T. -0.015 min
 Lab File: BG060086.D
 Acq: 19 Dec 2023 15:26

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-3

Tgt Ion:264	Resp:	653526	
Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.5	27.7
265	22.2	17.3	25.9

