

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059892.D
 Acq On : 25 Nov 2023 15:18
 Operator : MA/JU
 Sample : 05445-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2-1115

Quant Time: Nov 27 03:22:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

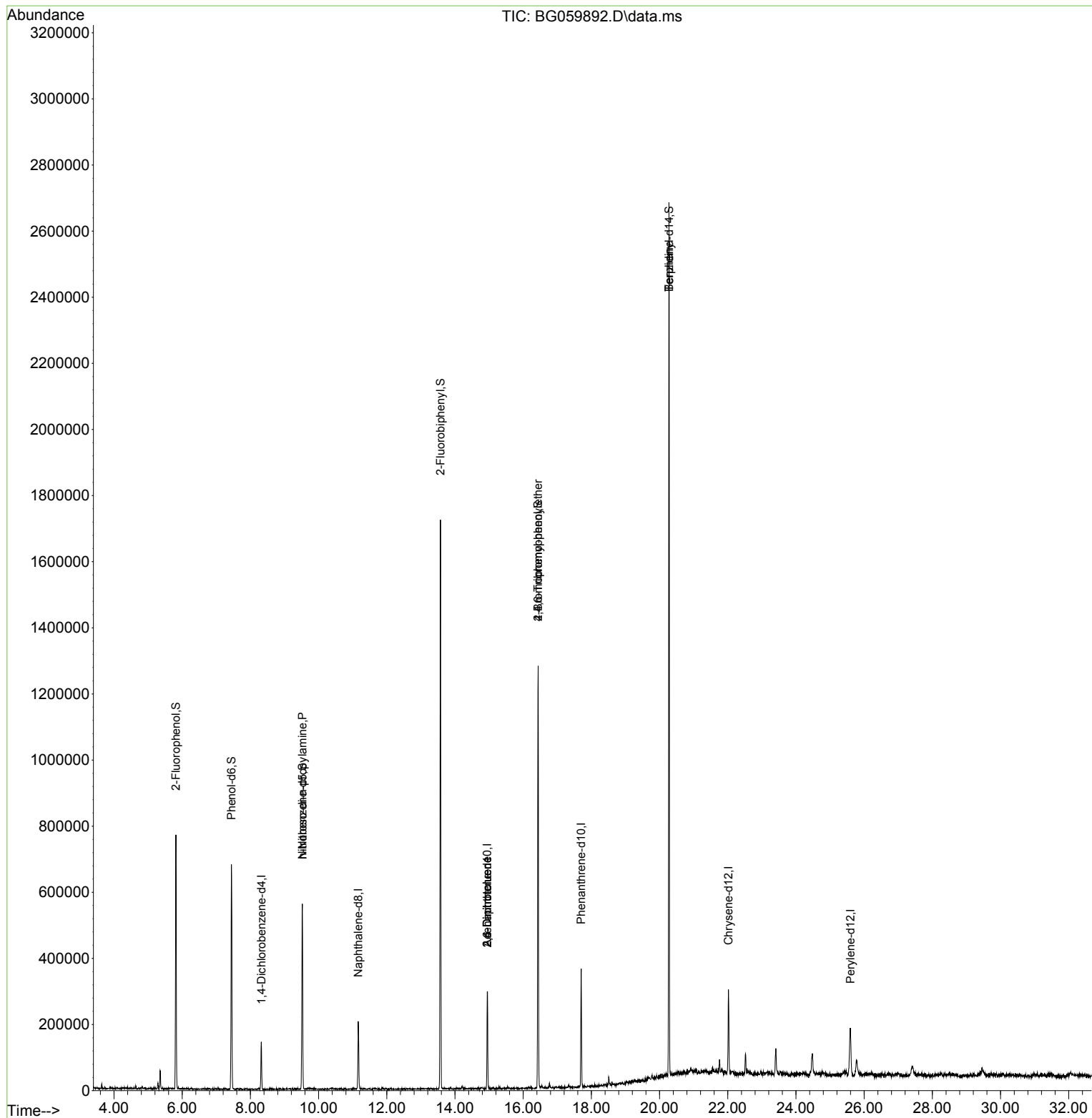
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.325	152	28153	20.000	ng	# 0.00
21) Naphthalene-d8	11.163	136	142976	20.000	ng	# 0.00
39) Acenaphthene-d10	14.946	164	96821	20.000	ng	0.00
64) Phenanthrene-d10	17.702	188	194308	20.000	ng	# 0.00
76) Chrysene-d12	22.020	240	143056	20.000	ng	-0.01
86) Perylene-d12	25.599	264	167024	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.816	112	266443	159.294	ng	0.00
7) Phenol-d6	7.443	99	342392	138.134	ng	0.00
23) Nitrobenzene-d5	9.523	82	352901	94.268	ng	0.00
42) 2,4,6-Tribromophenol	16.439	330	181972	165.647	ng	0.00
45) 2-Fluorobiphenyl	13.571	172	747180	103.876	ng	0.00
79) Terphenyl-d14	20.275	244	1099334	113.444	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.523	70	63869	32.721	ng	# 71
51) 2,6-Dinitrotoluene	14.946	165	12362	8.685	ng	# 1
57) 2,4-Dinitrotoluene	14.946	165	12362	5.647	ng	# 3
67) 4-Bromophenyl-phenylether	16.439	248	12395	5.938	ng	# 1
77) Benzidine	20.275	184	34595	10.665	ng	# 89

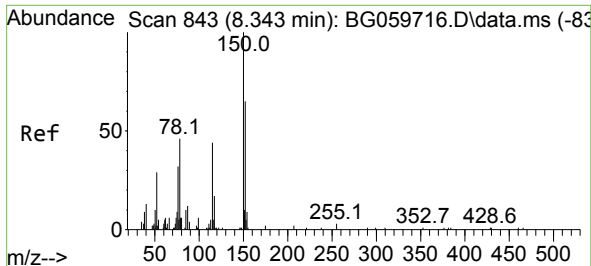
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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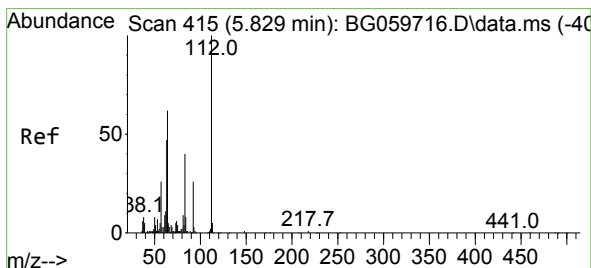
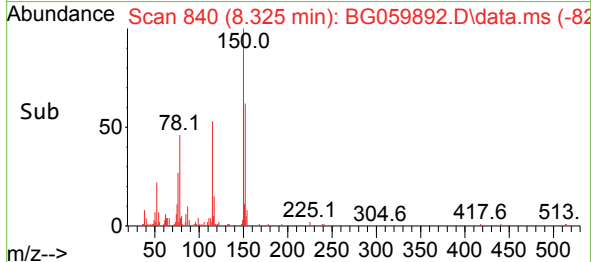
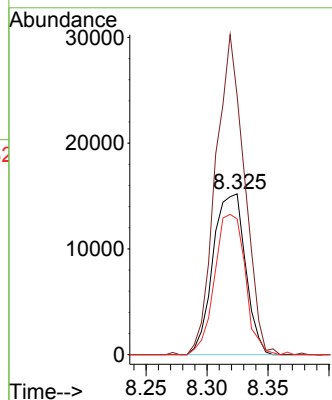
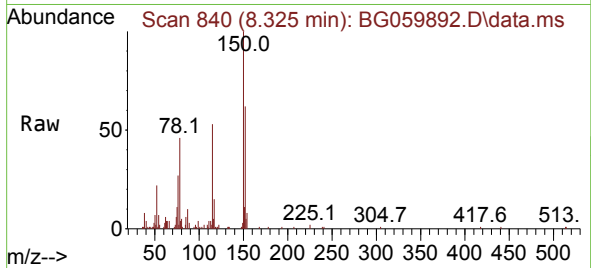




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.325 min Scan# 84
Delta R.T. 0.010 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

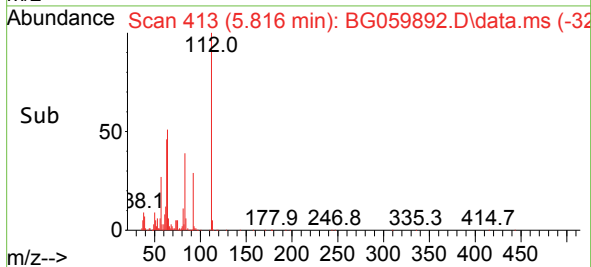
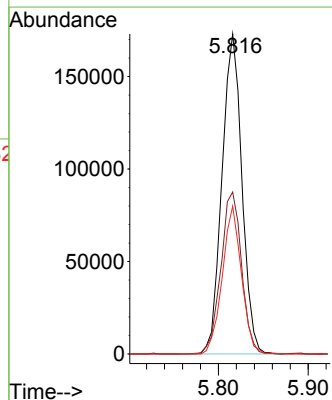
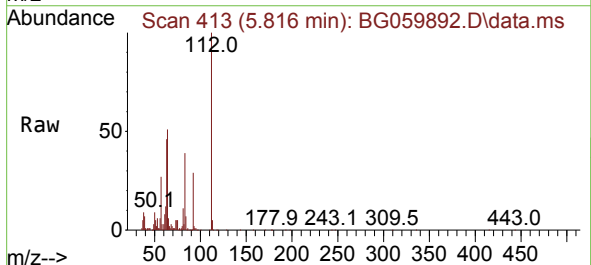
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

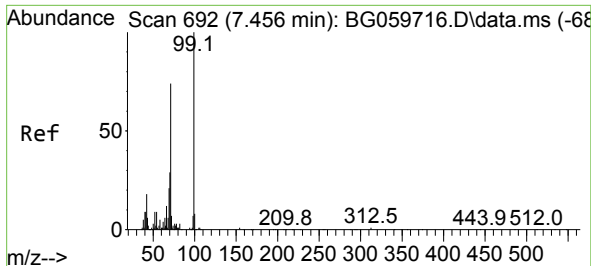
Tgt Ion:152 Resp: 28153
Ion Ratio Lower Upper
152 100
150 160.7 122.2 183.4
115 84.4 54.2 81.4#



#5
2-Fluorophenol
Concen: 159.294 ng
RT: 5.816 min Scan# 413
Delta R.T. 0.004 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion:112 Resp: 266443
Ion Ratio Lower Upper
112 100
64 50.6 49.5 74.3
63 46.2 37.4 56.2

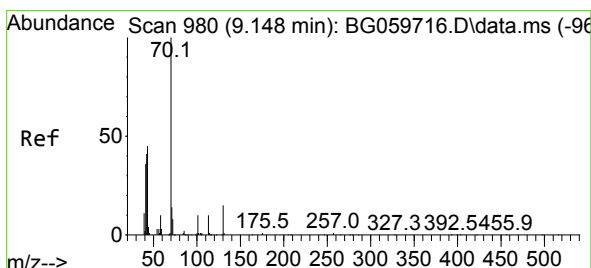
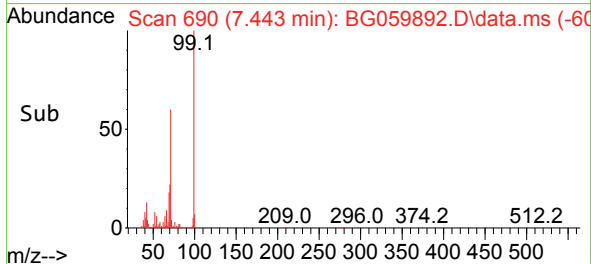
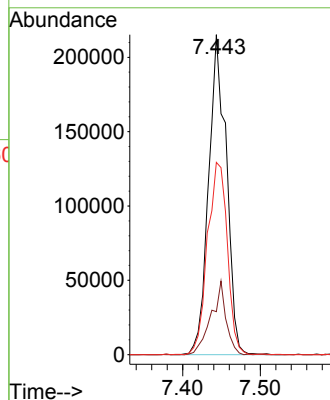
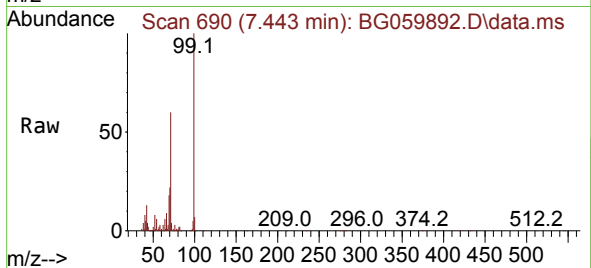




#7
Phenol-d6
Concen: 138.134 ng
RT: 7.443 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

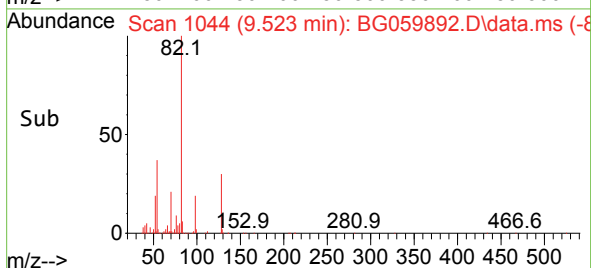
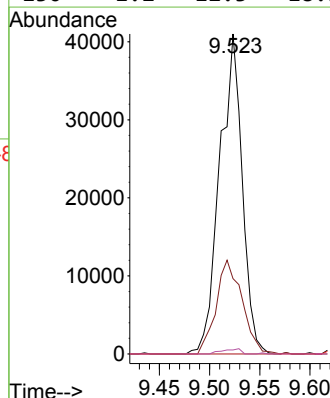
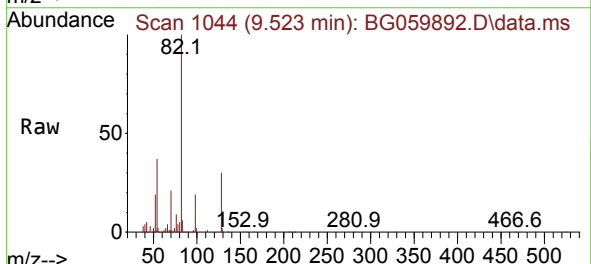
Instrument :
BNA_G
ClientSampleId :
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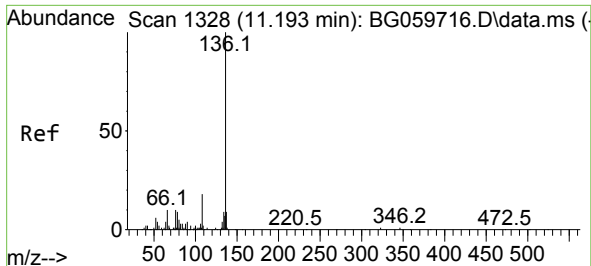
Tgt Ion: 99 Resp: 342392
Ion Ratio Lower Upper
99 100
42 13.4 14.3 21.5#
71 60.1 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 32.721 ng
RT: 9.523 min Scan# 1044
Delta R.T. 0.392 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion: 70 Resp: 63869
Ion Ratio Lower Upper
70 100
42 23.6 32.8 49.2#
101 0.0 7.7 11.5#
130 1.2 12.3 18.5#

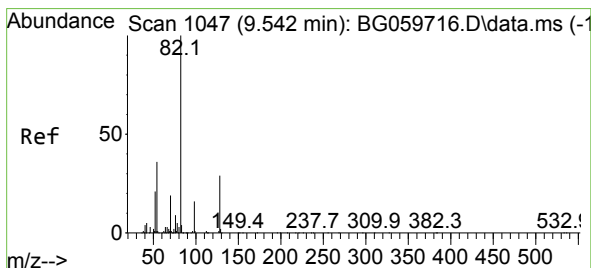
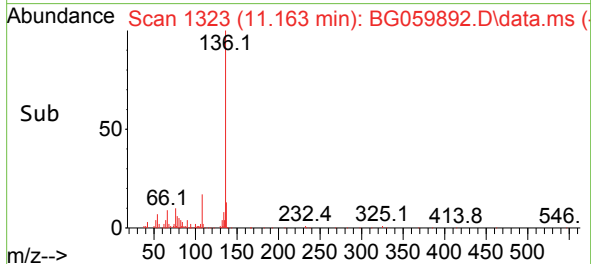
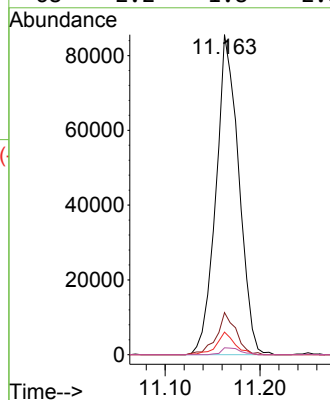
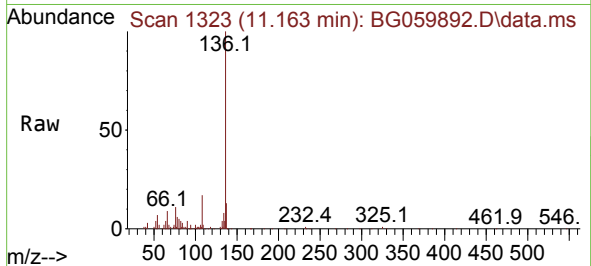




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.163 min Scan# 111
Delta R.T. -0.008 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

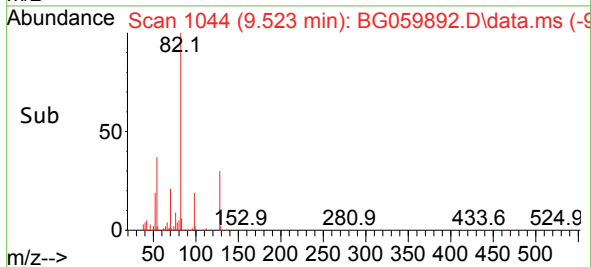
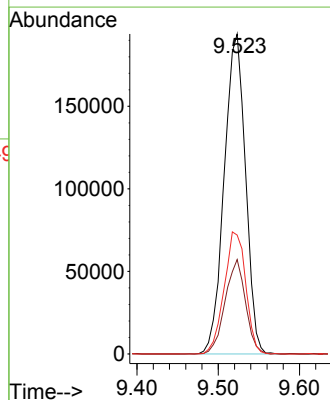
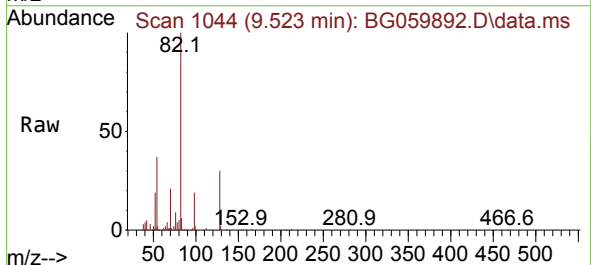
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

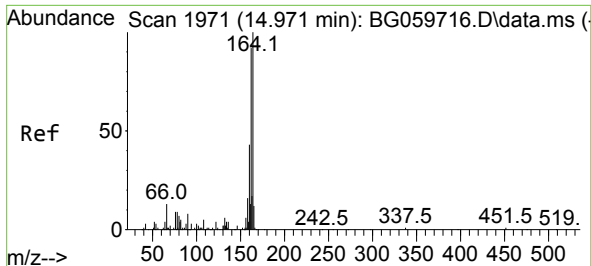
Tgt Ion:136 Resp: 142976
Ion Ratio Lower Upper
136 100
137 13.2 7.4 11.0#
54 7.1 3.1 4.7#
68 2.2 1.8 2.8



#23
Nitrobenzene-d5
Concen: 94.268 ng
RT: 9.523 min Scan# 1044
Delta R.T. -0.002 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion: 82 Resp: 352901
Ion Ratio Lower Upper
82 100
128 29.5 23.0 34.6
54 37.1 28.7 43.1

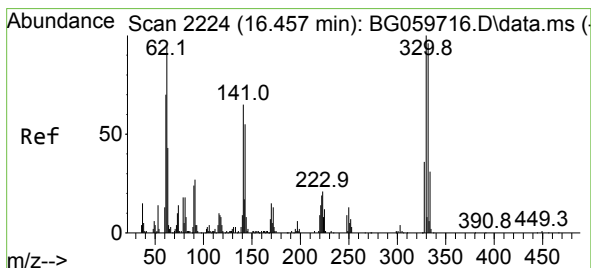
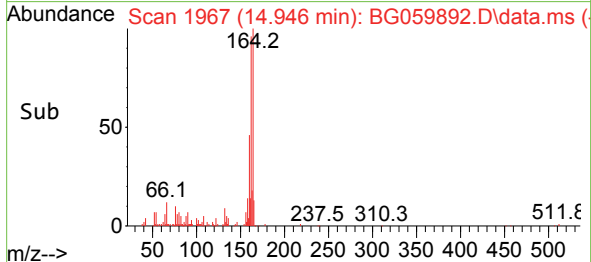
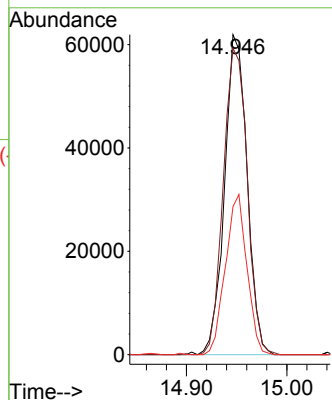
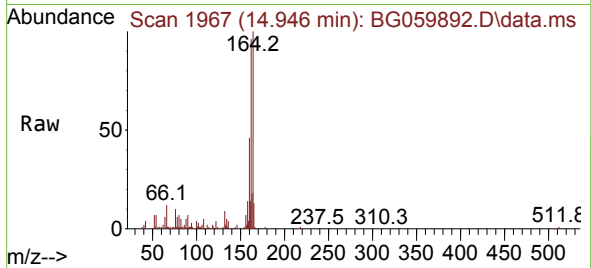




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.946 min Scan# 1971
Delta R.T. -0.008 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

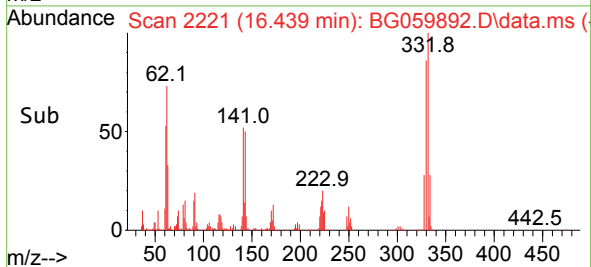
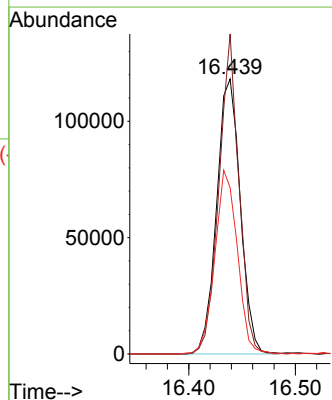
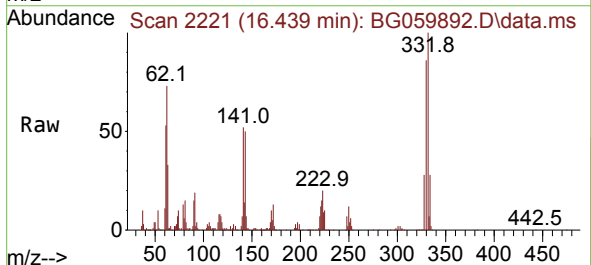
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

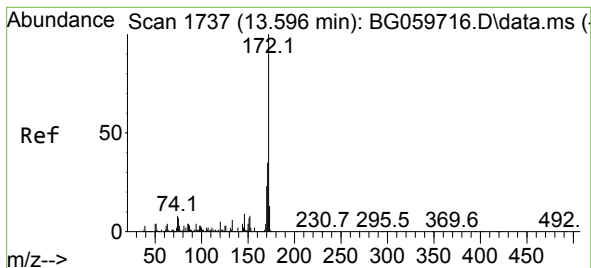
Tgt Ion:164 Resp: 96821
Ion Ratio Lower Upper
164 100
162 95.8 73.3 109.9
160 46.3 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 165.647 ng
RT: 16.439 min Scan# 2221
Delta R.T. -0.002 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion:330 Resp: 181972
Ion Ratio Lower Upper
330 100
332 98.0 73.3 109.9
141 63.5 52.1 78.1

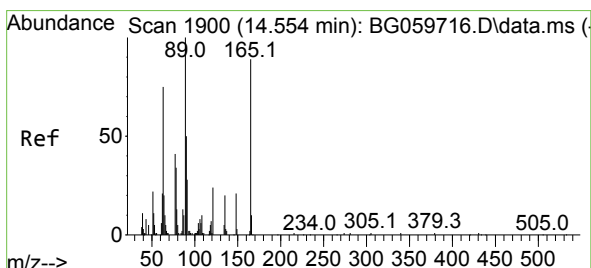
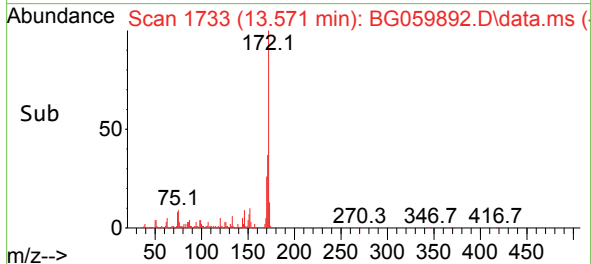
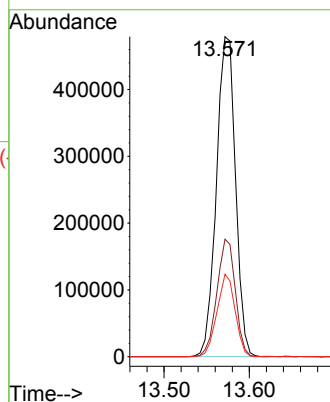
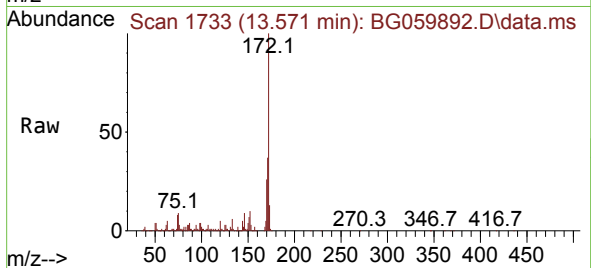




#45
2-Fluorobiphenyl
Concen: 103.876 ng
RT: 13.571 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

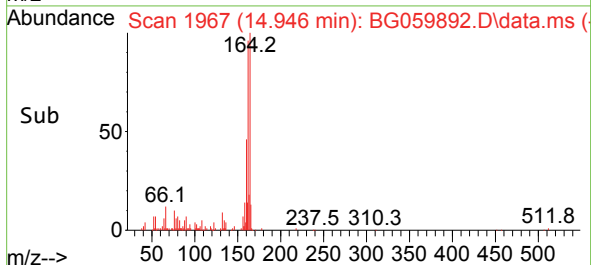
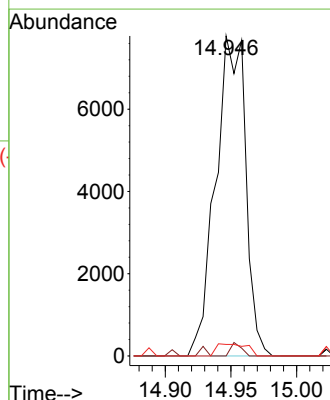
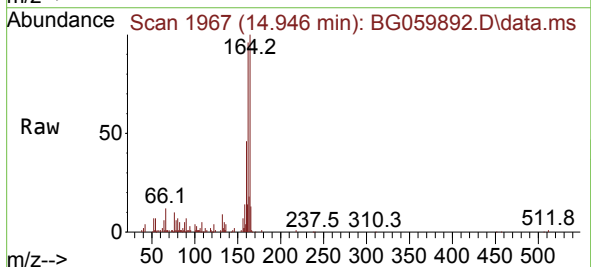
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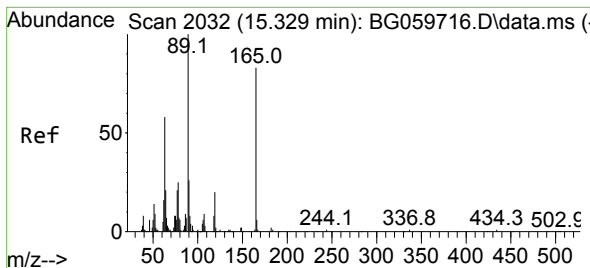
Tgt Ion:172 Resp: 747180
Ion Ratio Lower Upper
172 100
171 36.7 27.7 41.5
170 25.8 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 8.685 ng
RT: 14.946 min Scan# 1967
Delta R.T. 0.404 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion:165 Resp: 12362
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 3.6 90.9 136.3#

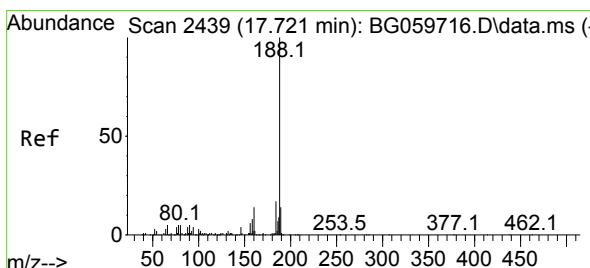
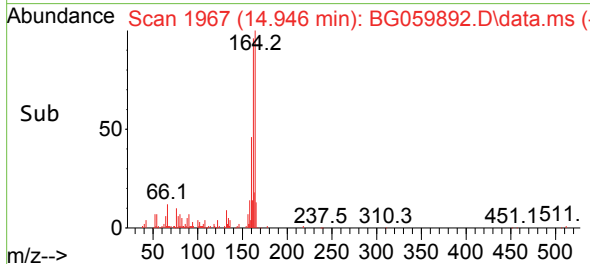
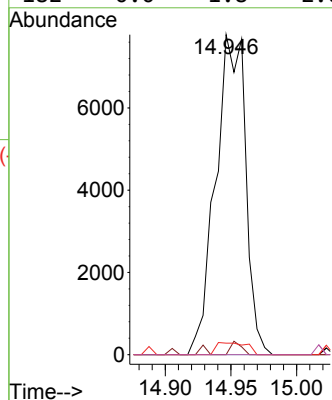
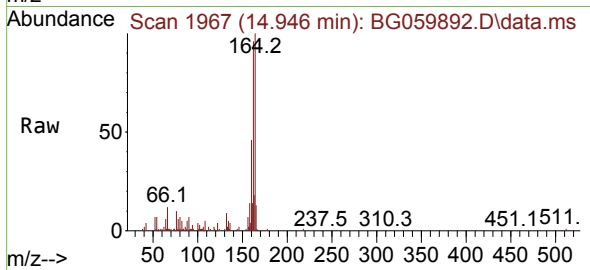




#57
2,4-Dinitrotoluene
Concen: 5.647 ng
RT: 14.946 min Scan# 1967
Delta R.T. -0.378 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

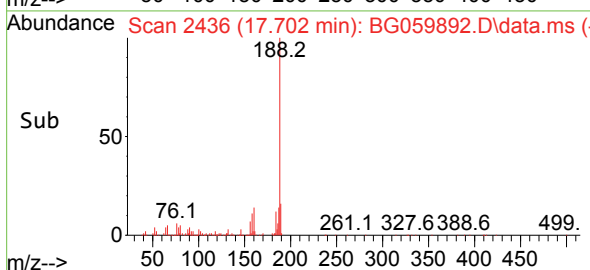
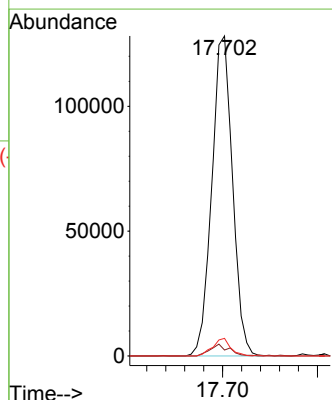
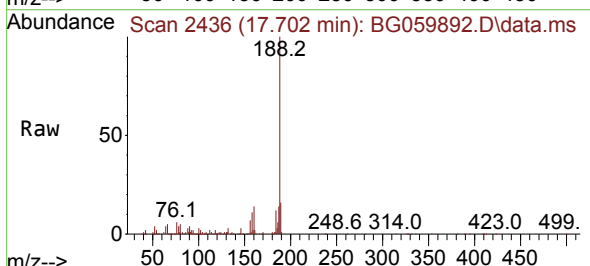
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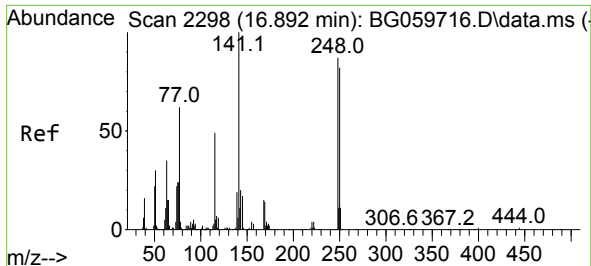
Tgt Ion:165 Resp: 12362
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.8#
89 3.6 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.702 min Scan# 2436
Delta R.T. -0.008 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion:188 Resp: 194308
Ion Ratio Lower Upper
188 100
94 1.9 3.0 4.4#
80 5.5 4.2 6.4

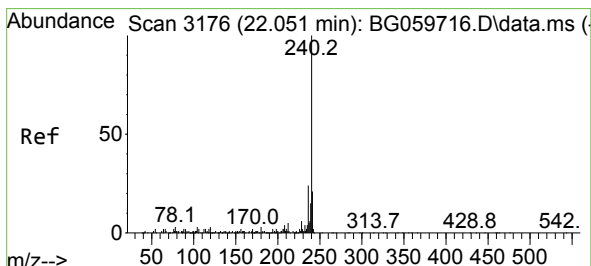
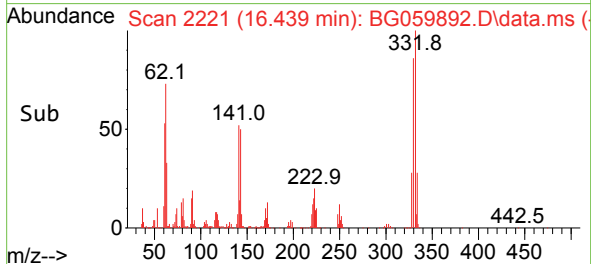
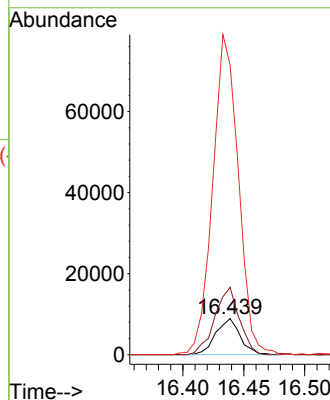
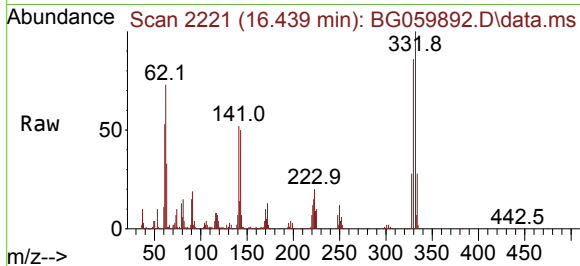




#67
4-Bromophenyl-phenylether
Concen: 5.938 ng
RT: 16.439 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

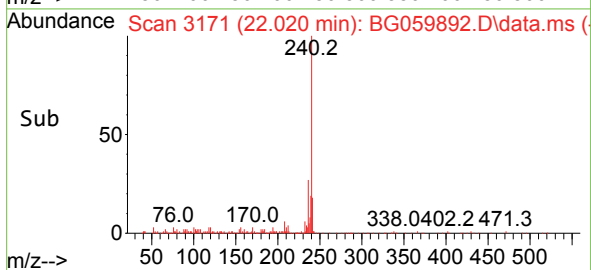
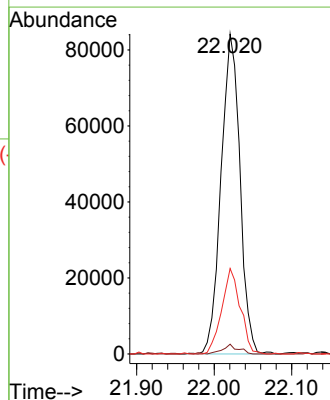
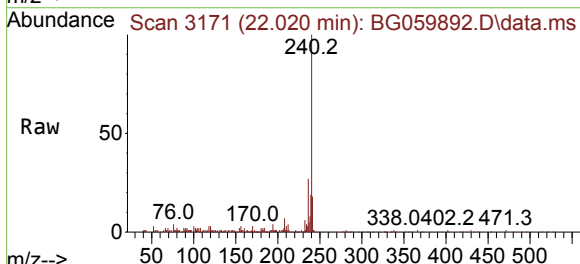
Instrument :
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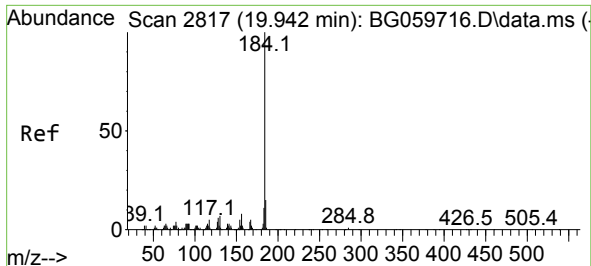
Tgt Ion:248 Resp: 12395
Ion Ratio Lower Upper
248 100
250 186.1 75.2 112.8#
141 799.0 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.020 min Scan# 3171
Delta R.T. -0.013 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion:240 Resp: 143056
Ion Ratio Lower Upper
240 100
120 3.0 2.2 3.2
236 26.7 19.4 29.2

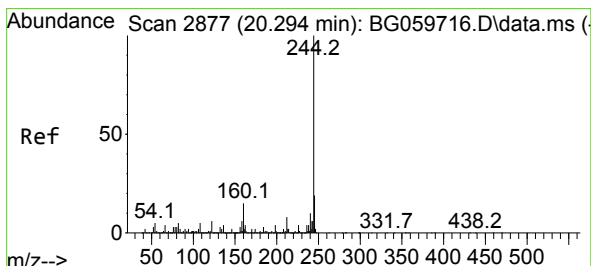
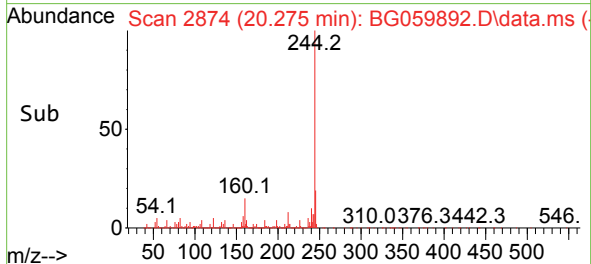
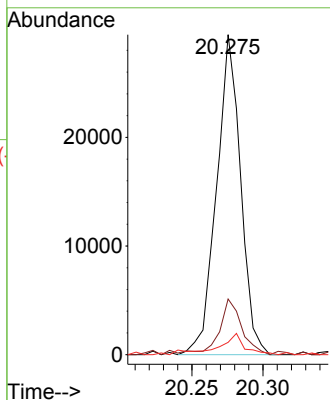
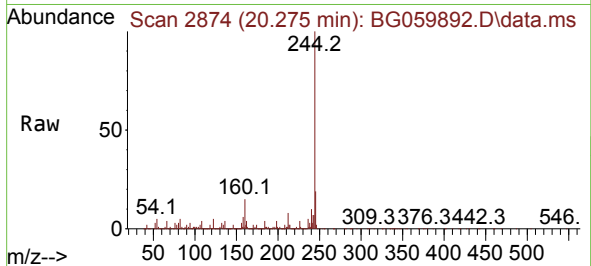




#77
Benzidine
Concen: 10.665 ng
RT: 20.275 min Scan# 2874
Delta R.T. 0.345 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

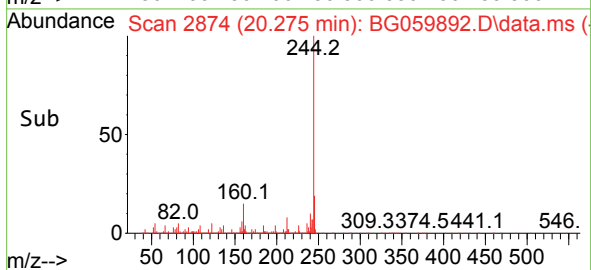
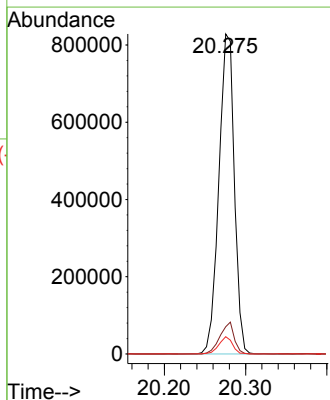
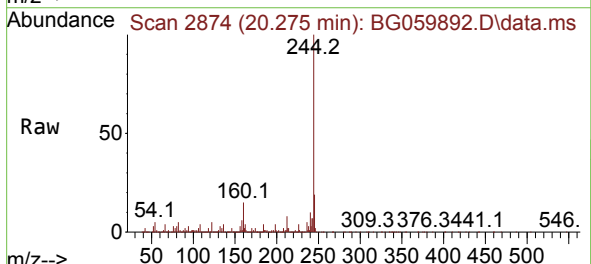
Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

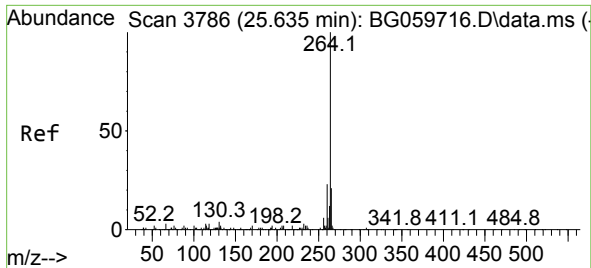
Tgt Ion:184 Resp: 34595
Ion Ratio Lower Upper
184 100
185 17.4 12.2 18.2
183 3.8 8.8 13.2#



#79
Terphenyl-d14
Concen: 113.444 ng
RT: 20.275 min Scan# 2874
Delta R.T. -0.008 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Tgt Ion:244 Resp: 1099334
Ion Ratio Lower Upper
244 100
212 8.5 6.6 10.0
122 5.4 4.4 6.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.599 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG059892.D
Acq: 25 Nov 2023 15:18

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Tgt Ion:264	Resp:	167024
Ion	Ratio	Lower Upper
264	100	
260	21.8	18.5 27.7
265	24.2	17.0 25.6

