

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059891.D
 Acq On : 25 Nov 2023 14:38
 Operator : MA/JU
 Sample : 05445-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Quant Time: Nov 27 03:22:19 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

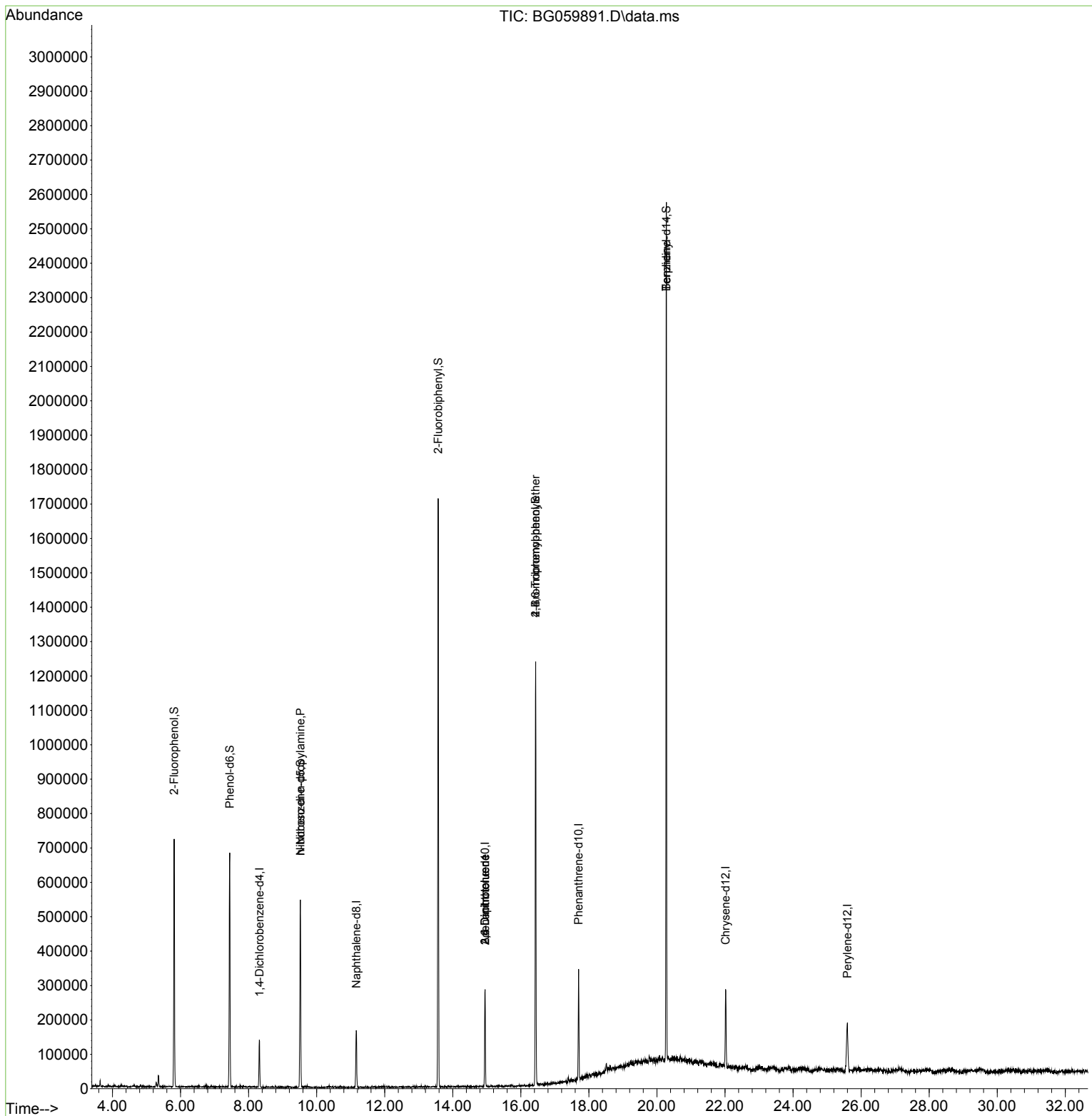
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	28429	20.000	ng	# 0.00
21) Naphthalene-d8	11.173	136	132577	20.000	ng	# 0.00
39) Acenaphthene-d10	14.951	164	91606	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	170158	20.000	ng	# 0.00
76) Chrysene-d12	22.019	240	136273	20.000	ng	#-0.01
86) Perylene-d12	25.597	264	165320	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	251039	148.628	ng	0.00
7) Phenol-d6	7.448	99	314918	125.816	ng	0.00
23) Nitrobenzene-d5	9.522	82	339389	97.769	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	173210	166.647	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	748284	109.952	ng	0.00
79) Terphenyl-d14	20.280	244	1043864	113.082	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.522	70	53556	27.171	ng	# 82
51) 2,6-Dinitrotoluene	14.951	165	13162	9.773	ng	# 1
57) 2,4-Dinitrotoluene	14.951	165	13162	6.355	ng	# 2
67) 4-Bromophenyl-phenylether	16.438	248	11736	6.420	ng	# 1
77) Benzidine	20.274	184	30873	9.991	ng	# 91

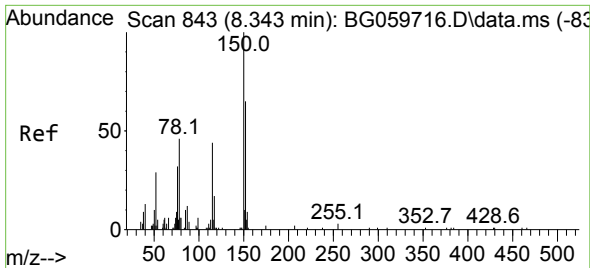
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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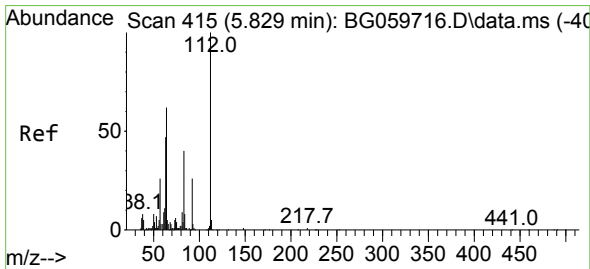
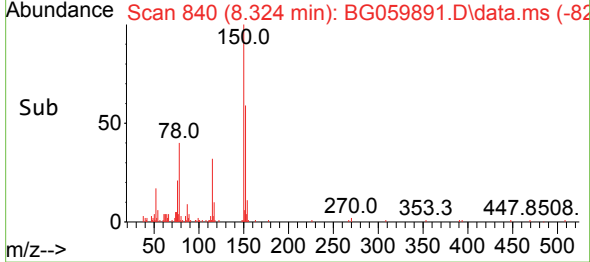
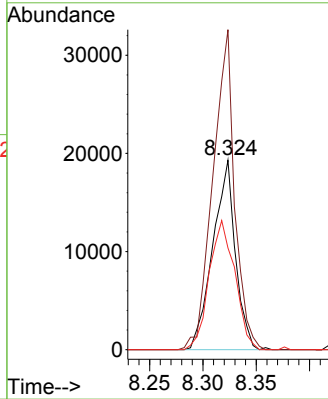
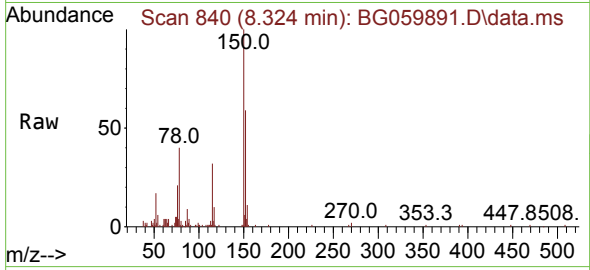




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.324 min Scan# 843
 Delta R.T. 0.009 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

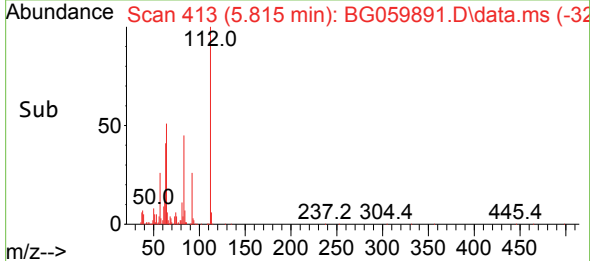
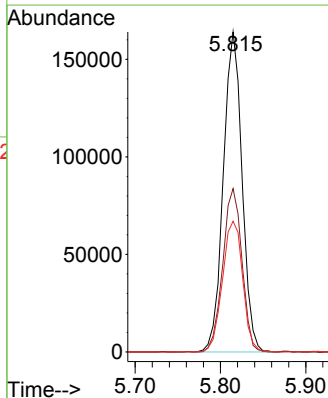
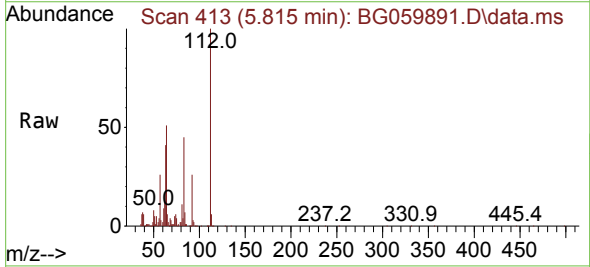
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

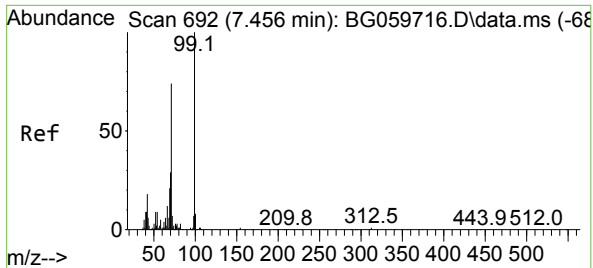
Tgt Ion	Resp	Lower	Upper
152	100		
150	168.9	122.2	183.4
115	53.7	54.2	81.4#



#5
 2-Fluorophenol
 Concen: 148.628 ng
 RT: 5.815 min Scan# 413
 Delta R.T. 0.003 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion	Resp	Lower	Upper
112	100		
64	51.0	49.5	74.3
63	40.9	37.4	56.2



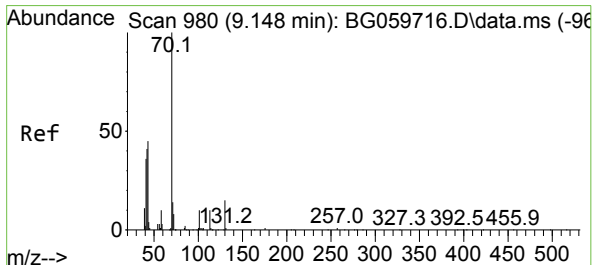
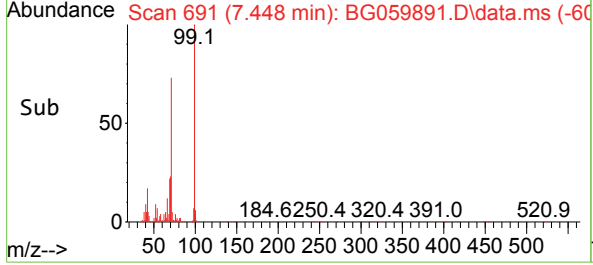
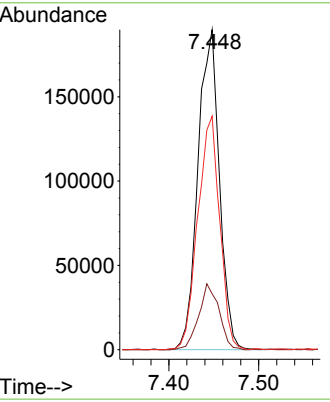
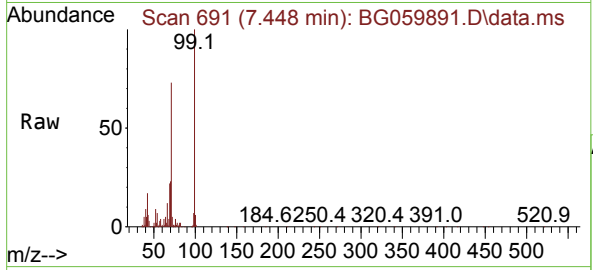


#7
Phenol-d6
Concen: 125.816 ng
RT: 7.448 min Scan# 692
Delta R.T. 0.003 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

Instrument : BNA_G
ClientSampleId : SOIL-1-1115

Tgt Ion: 99 Resp: 314918

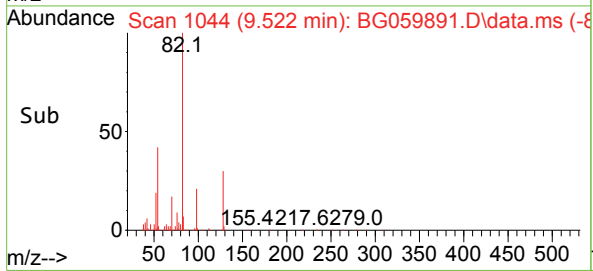
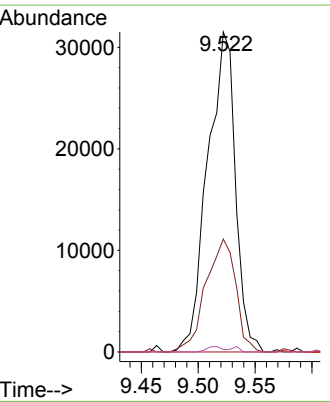
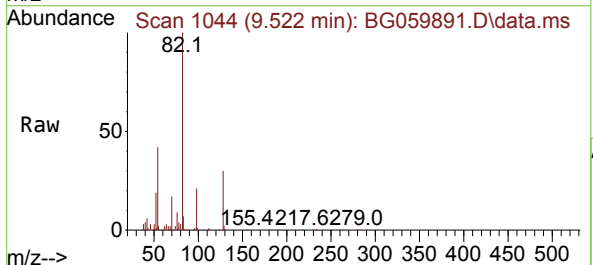
Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.3	21.5
71	73.0	59.3	88.9

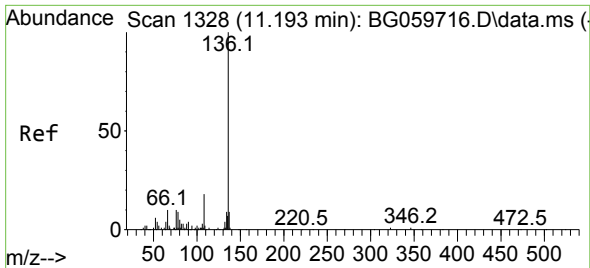


#19
n-Nitroso-di-n-propylamine
Concen: 27.171 ng
RT: 9.522 min Scan# 1044
Delta R.T. 0.391 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

Tgt Ion: 70 Resp: 53556

Ion	Ratio	Lower	Upper
70	100		
42	35.3	32.8	49.2
101	0.0	7.7	11.5#
130	0.7	12.3	18.5#

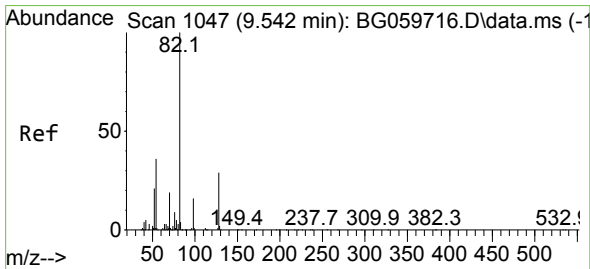
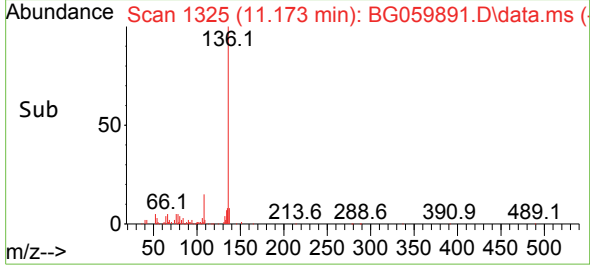
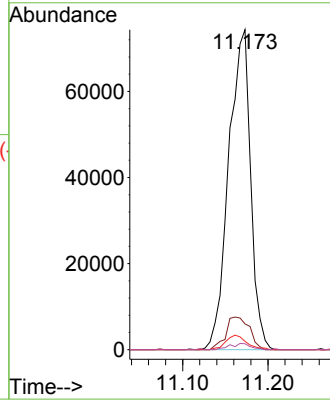
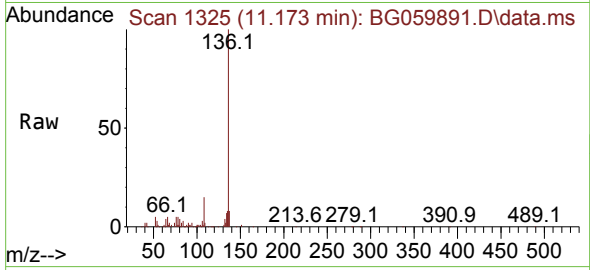




#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.173 min Scan# 111
 Delta R.T. 0.003 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

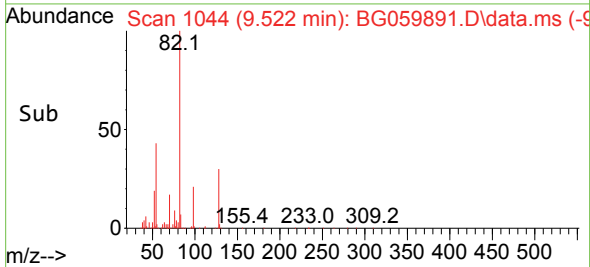
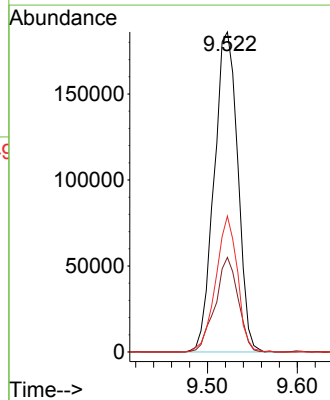
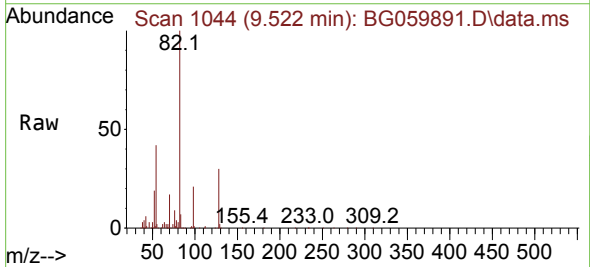
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

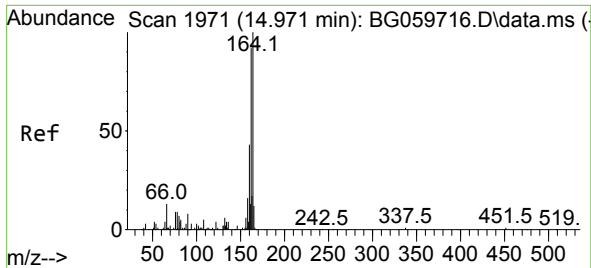
Tgt Ion:136 Resp: 132577
 Ion Ratio Lower Upper
 136 100
 137 8.0 7.4 11.0
 54 2.6 3.1 4.7#
 68 1.9 1.8 2.8



#23
 Nitrobenzene-d5
 Concen: 97.769 ng
 RT: 9.522 min Scan# 1044
 Delta R.T. -0.003 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion: 82 Resp: 339389
 Ion Ratio Lower Upper
 82 100
 128 29.6 23.0 34.6
 54 42.5 28.7 43.1



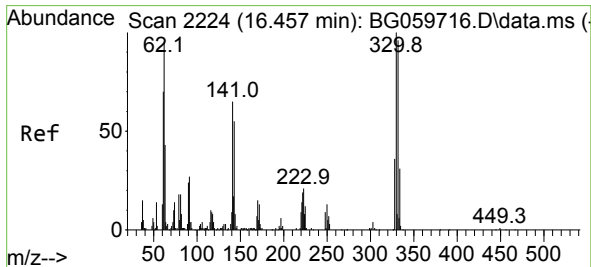
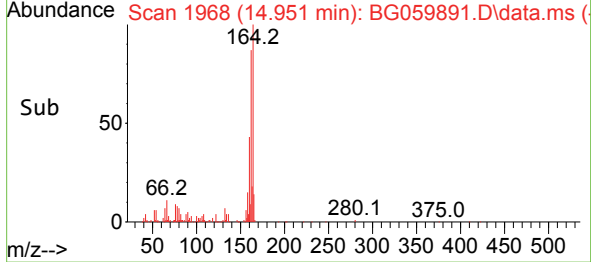
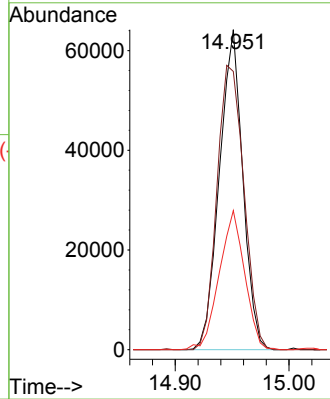
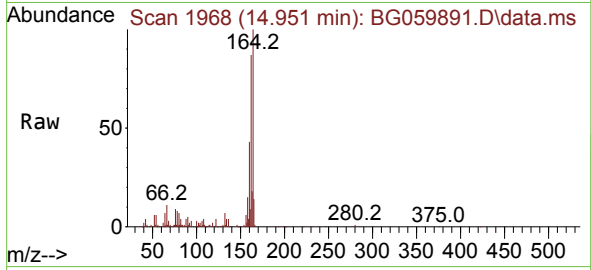


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.951 min Scan# 1971
 Delta R.T. -0.003 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Tgt Ion:164 Resp: 91606

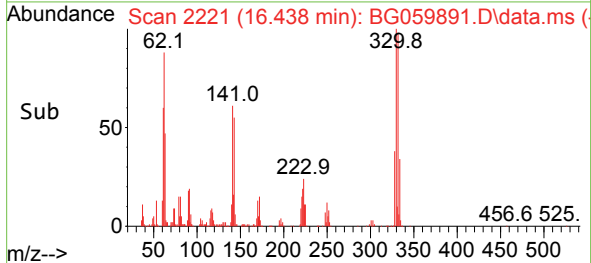
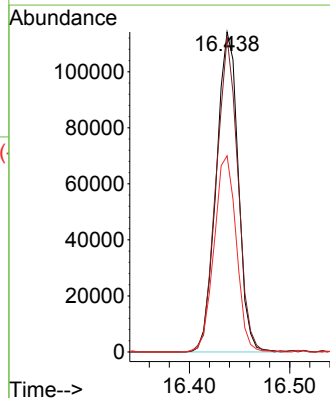
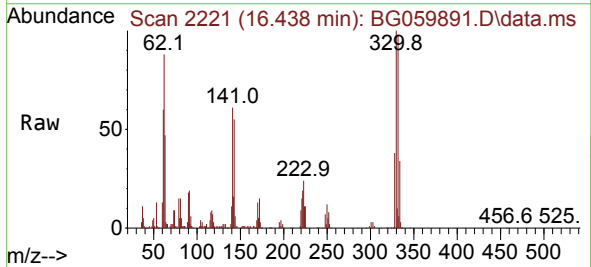
Ion	Ratio	Lower	Upper
164	100		
162	86.9	73.3	109.9
160	43.5	34.1	51.1

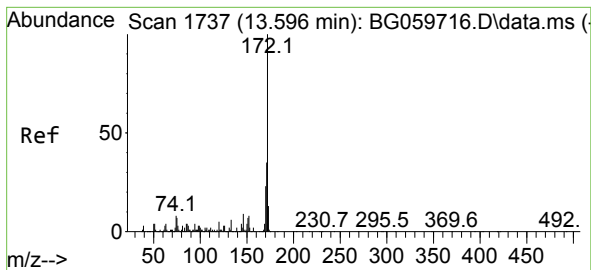


#42
 2,4,6-Tribromophenol
 Concen: 166.647 ng
 RT: 16.438 min Scan# 2221
 Delta R.T. -0.003 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion:330 Resp: 173210

Ion	Ratio	Lower	Upper
330	100		
332	96.9	73.3	109.9
141	62.0	52.1	78.1



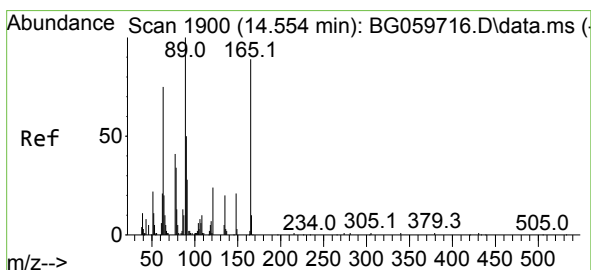
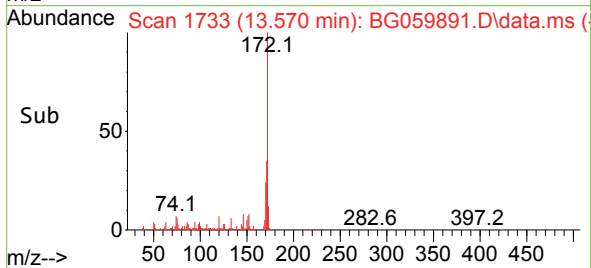
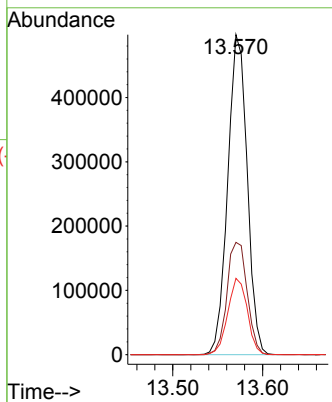
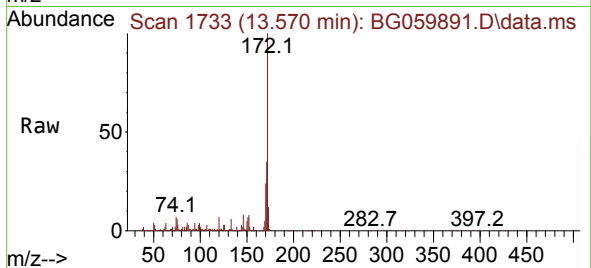


#45
 2-Fluorobiphenyl
 Concen: 109.952 ng
 RT: 13.570 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Tgt Ion:172 Resp: 748284

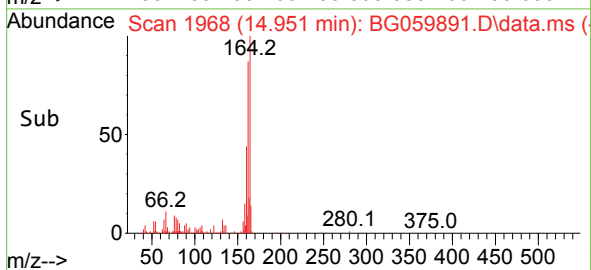
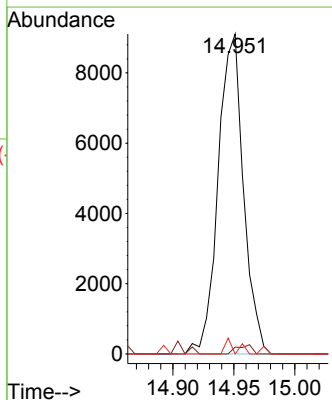
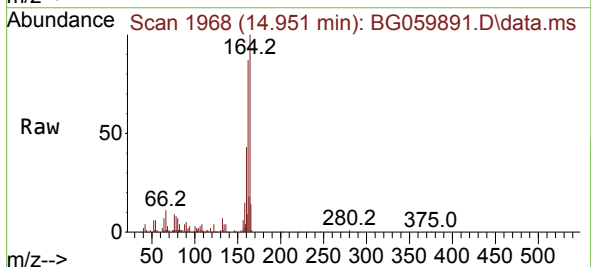
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.7	41.5
170	23.8	18.4	27.6

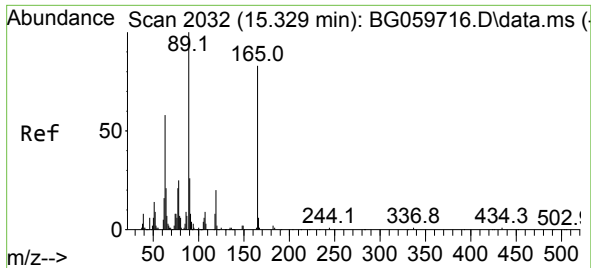


#51
 2,6-Dinitrotoluene
 Concen: 9.773 ng
 RT: 14.951 min Scan# 1968
 Delta R.T. 0.408 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion:165 Resp: 13162

Ion	Ratio	Lower	Upper
165	100		
63	2.1	75.3	112.9#
89	0.0	90.9	136.3#

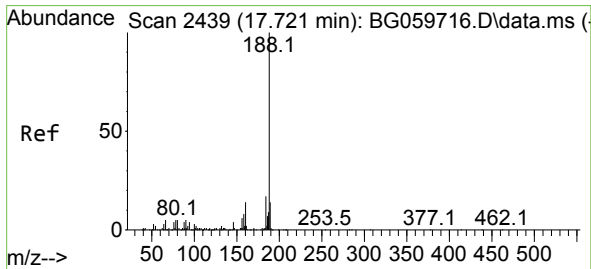
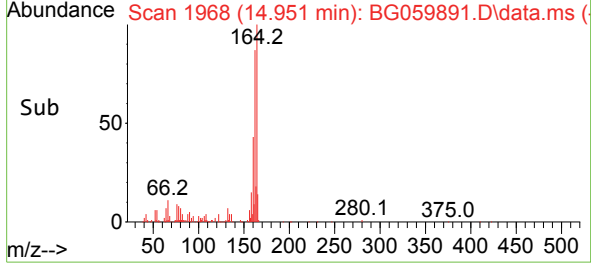
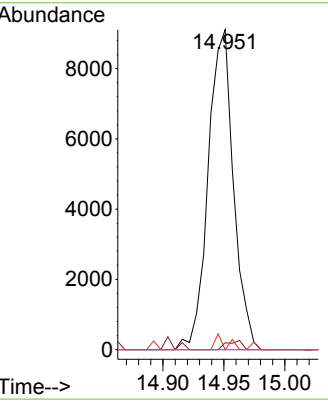
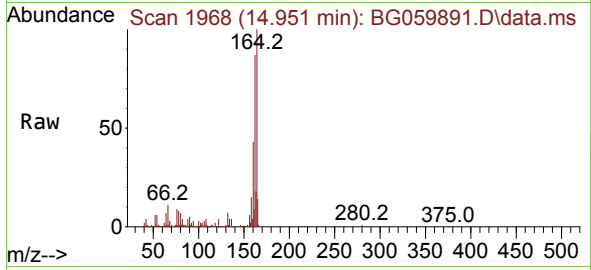




#57
 2,4-Dinitrotoluene
 Concen: 6.355 ng
 RT: 14.951 min Scan# 14951
 Delta R.T. -0.373 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

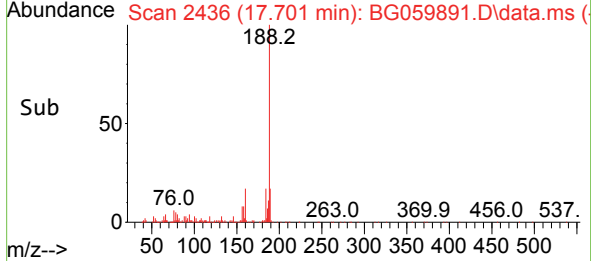
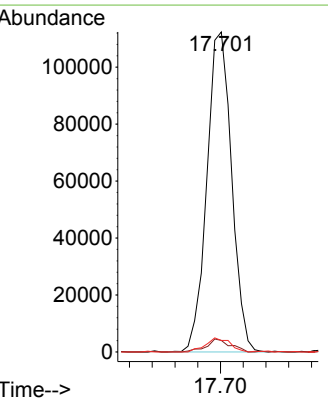
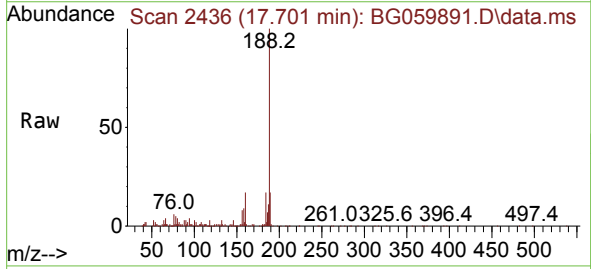
Instrument : BNA_G
 ClientSampleId : SOIL-1-1115

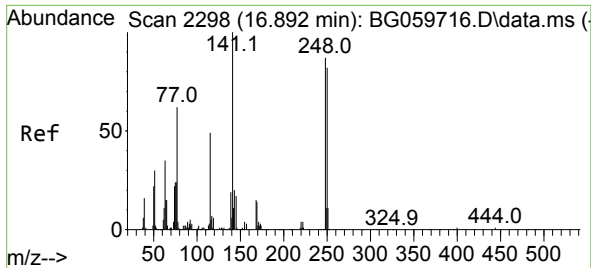
Tgt Ion	Resp	Lower	Upper
165	13162		
63	2.1	55.8	83.8#
89	0.0	96.9	145.3#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.701 min Scan# 2436
 Delta R.T. -0.009 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion	Resp	Lower	Upper
188	170158		
94	3.6	3.0	4.4
80	3.6	4.2	6.4#

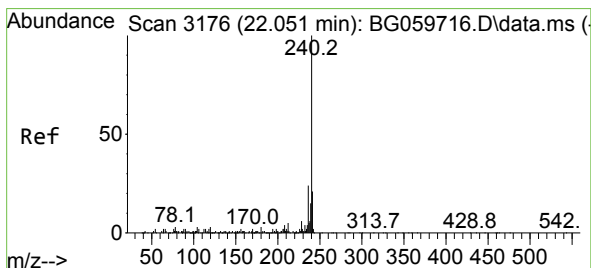
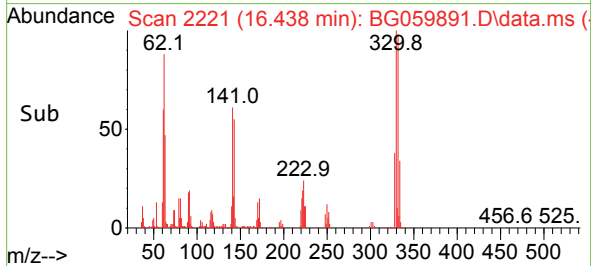
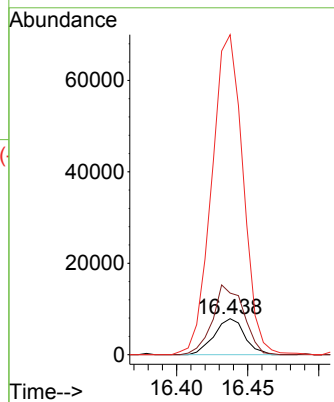
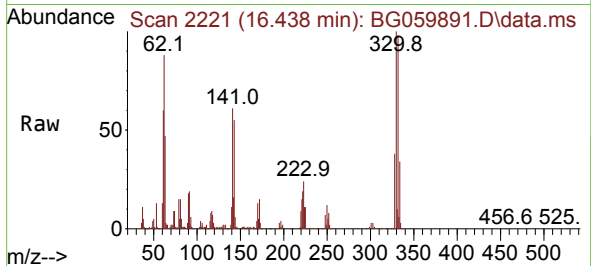




#67
 4-Bromophenyl-phenylether
 Concen: 6.420 ng
 RT: 16.438 min Scan# 211
 Delta R.T. -0.444 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

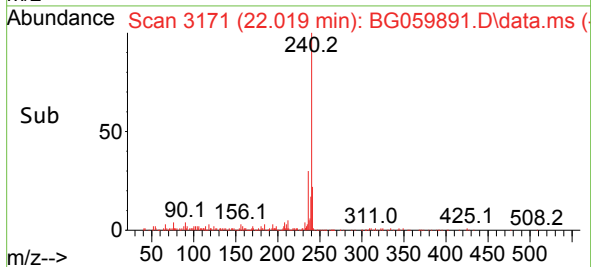
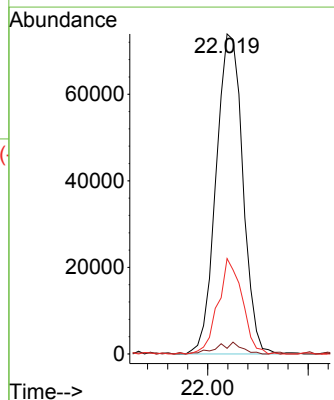
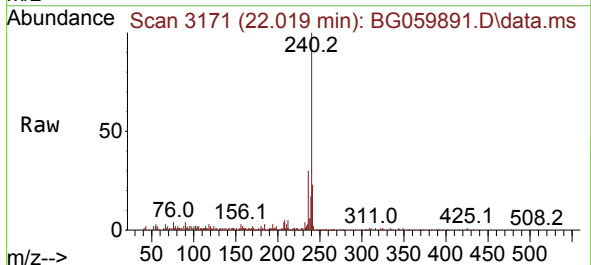
Instrument : BNA_G
 ClientSampleId : SOIL-1-1115

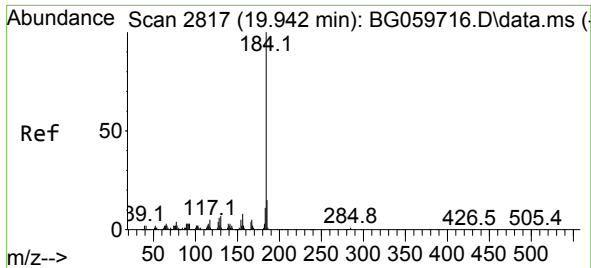
Tgt Ion	Resp	Lower	Upper
248	11736		
250	171.3	75.2	112.8#
141	890.5	91.5	137.3#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.019 min Scan# 3171
 Delta R.T. -0.015 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion	Resp	Lower	Upper
240	136273		
120	2.6	2.2	3.2
236	29.8	19.4	29.2#

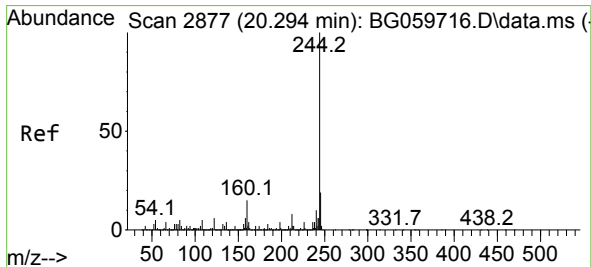
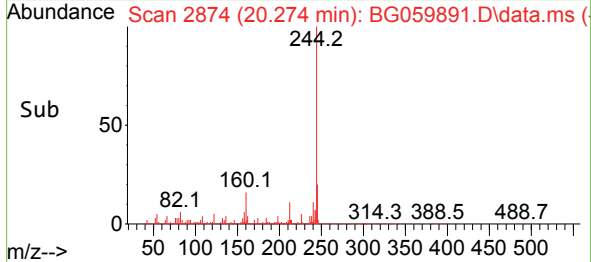
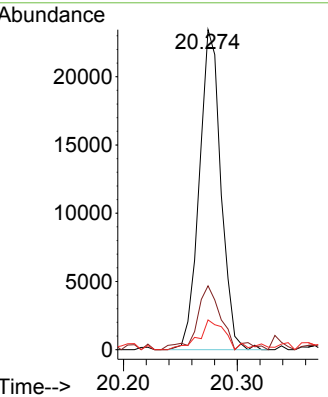
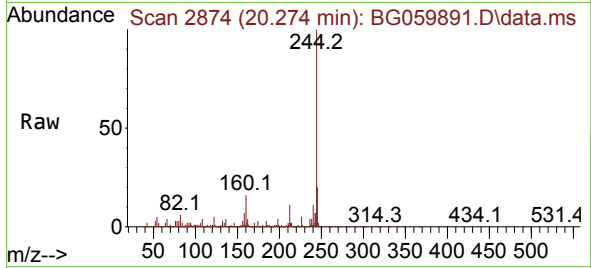




#77
 Benzidine
 Concen: 9.991 ng
 RT: 20.274 min Scan# 2817
 Delta R.T. 0.344 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

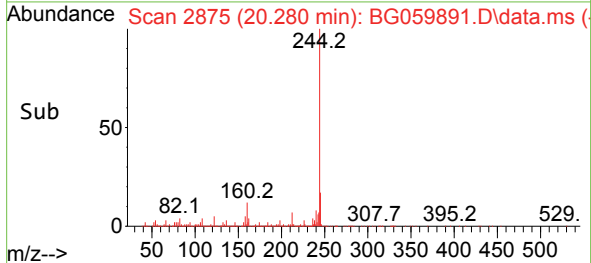
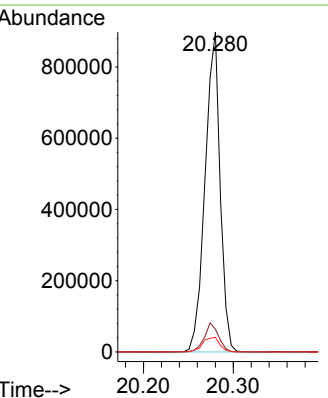
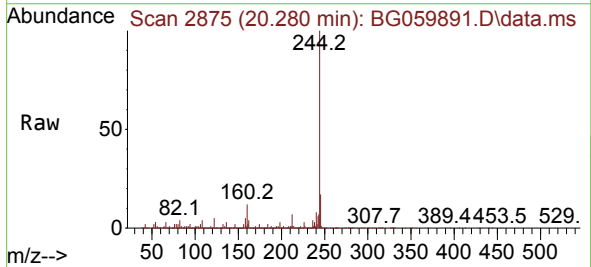
Instrument : BNA_G
 ClientSampleId : SOIL-1-1115

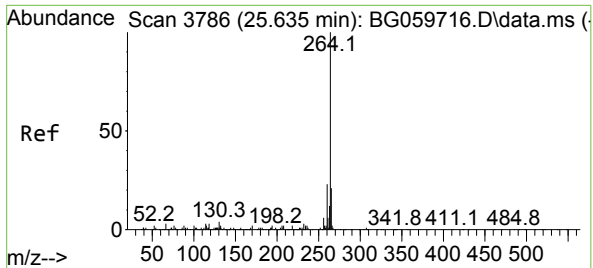
Tgt Ion	Resp	Lower	Upper
184	30873		
185	20.0	12.2	18.2#
183	9.3	8.8	13.2



#79
 Terphenyl-d14
 Concen: 113.082 ng
 RT: 20.280 min Scan# 2875
 Delta R.T. -0.003 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion	Resp	Lower	Upper
244	1043864		
212	7.1	6.6	10.0
122	4.6	4.4	6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.597 min Scan# 31
 Delta R.T. -0.015 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Tgt Ion:264 Resp: 165320

Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.5	27.7
265	21.2	17.0	25.6

