

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059811.D
 Acq On : 22 Nov 2023 3:51
 Operator : MA/JU
 Sample : 05380-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUM-COMP

Quant Time: Nov 22 04:29:45 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 17 01:51:38 2023
 Response via : Initial Calibration

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

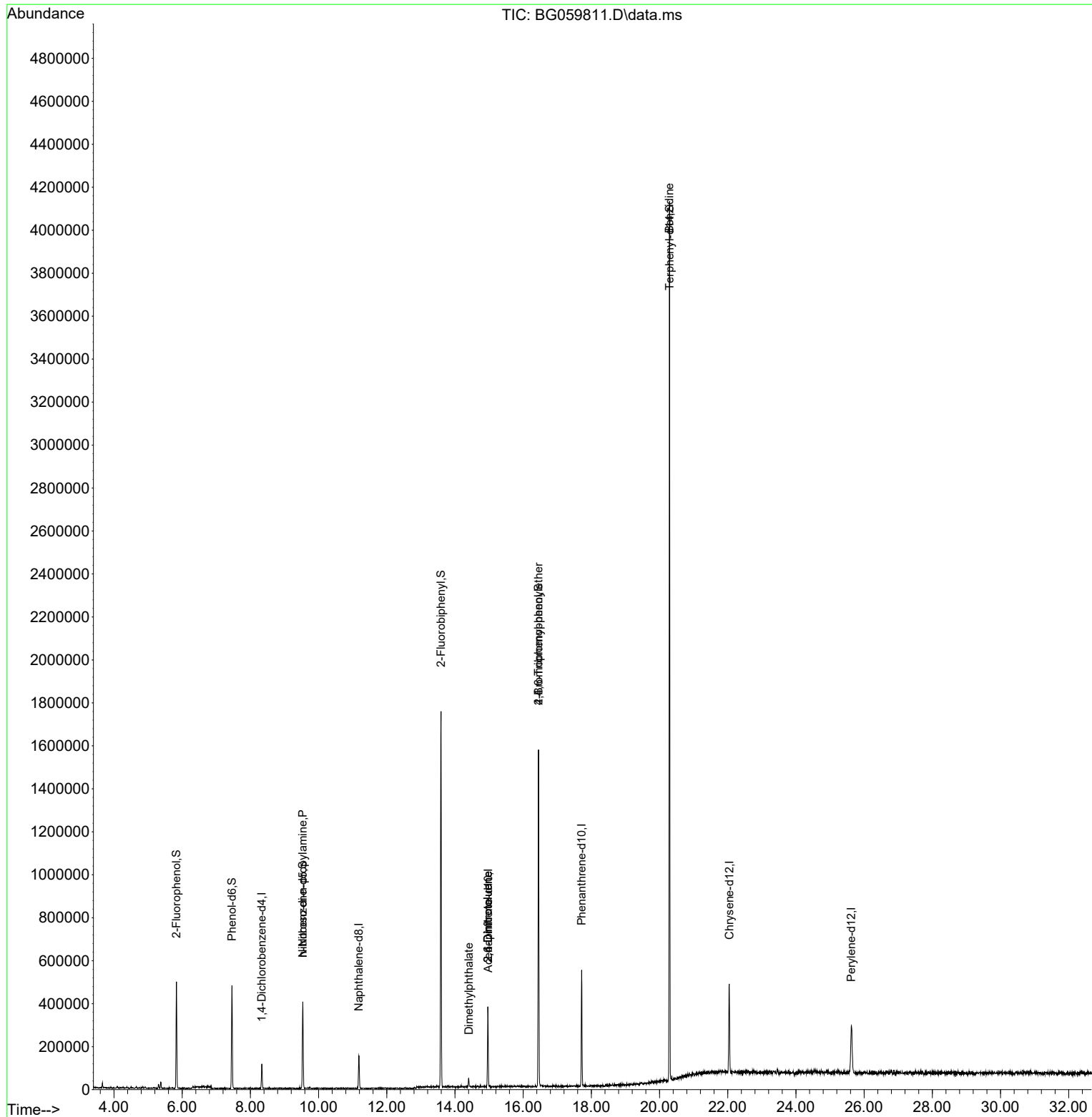
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	23715	20.000	ng	-0.01
21) Naphthalene-d8	11.181	136	105576	20.000	ng	#-0.01
39) Acenaphthene-d10	14.971	164	114748	20.000	ng	0.00
64) Phenanthrene-d10	17.715	188	284431	20.000	ng	# 0.00
76) Chrysene-d12	22.045	240	247557	20.000	ng	# 0.00
86) Perylene-d12	25.623	264	267817	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	170848	121.257	ng	0.00
7) Phenol-d6	7.462	99	219320	105.040	ng	0.00
23) Nitrobenzene-d5	9.536	82	244097	88.302	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	223432	171.612	ng	0.00
45) 2-Fluorobiphenyl	13.590	172	753623	88.403	ng	0.00
79) Terphenyl-d14	20.294	244	1710780	102.018	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.536	70	41968	25.524	ng	# 85
50) Dimethylphthalate	14.407	163	21138	2.377	ng	# 91
51) 2,6-Dinitrotoluene	14.965	165	14604	8.657	ng	# 3
57) 2,4-Dinitrotoluene	14.965	165	14604	5.629	ng	# 6
67) 4-Bromophenyl-phenylether	16.452	248	15732	5.149	ng	# 1
77) Benzidine	20.288	184	50317	8.964	ng	# 84

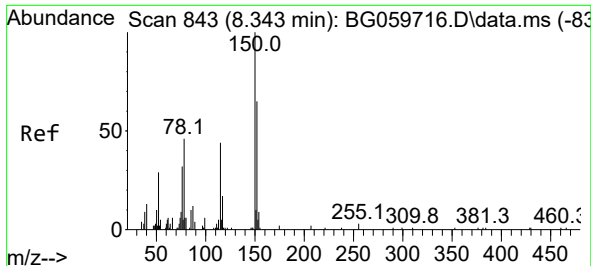
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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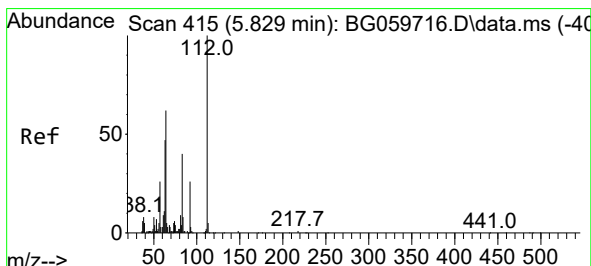
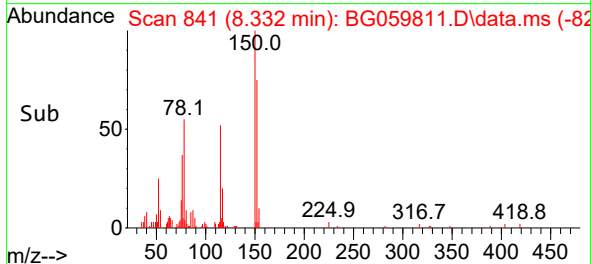
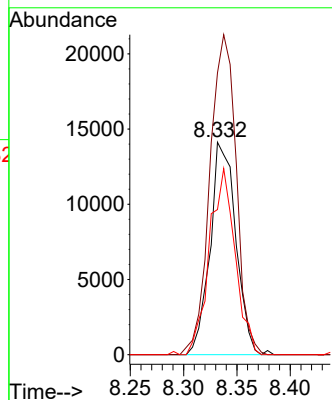
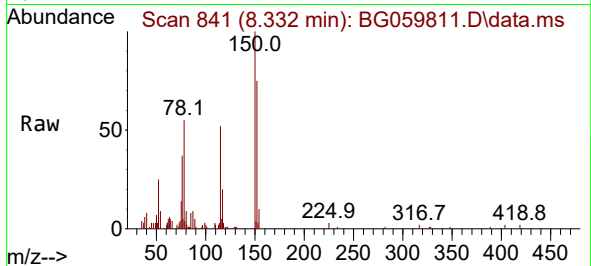




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 843
Delta R.T. -0.011 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

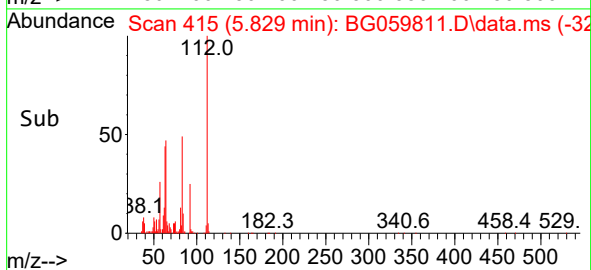
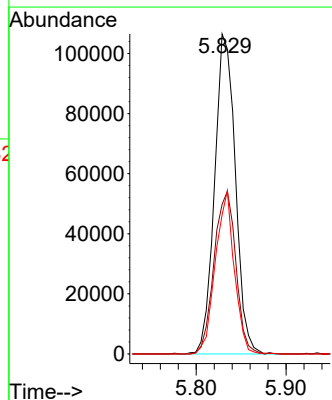
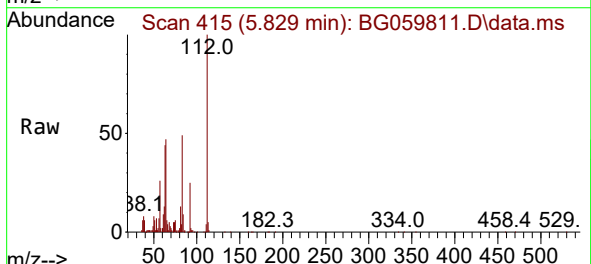
Instrument :
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ClientSampleId :
SOIL-DRUM-COMP

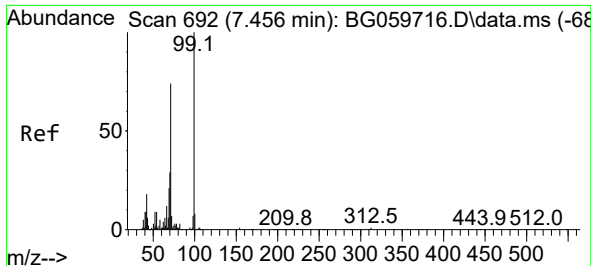
Tgt Ion:152 Resp: 23715
Ion Ratio Lower Upper
152 100
150 132.6 122.2 183.4
115 68.3 54.2 81.4



#5
2-Fluorophenol
Concen: 121.257 ng
RT: 5.829 min Scan# 415
Delta R.T. 0.000 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

Tgt Ion:112 Resp: 170848
Ion Ratio Lower Upper
112 100
64 46.7 49.5 74.3#
63 43.5 37.4 56.2

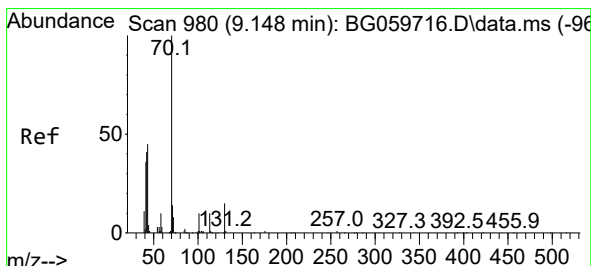
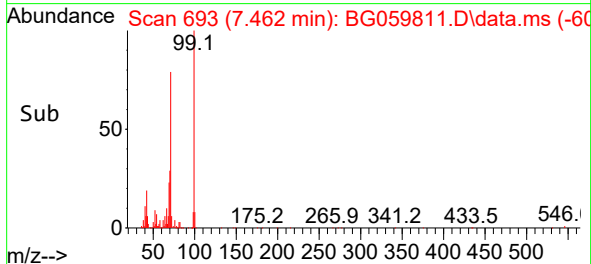
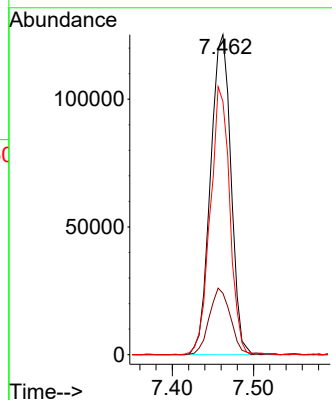
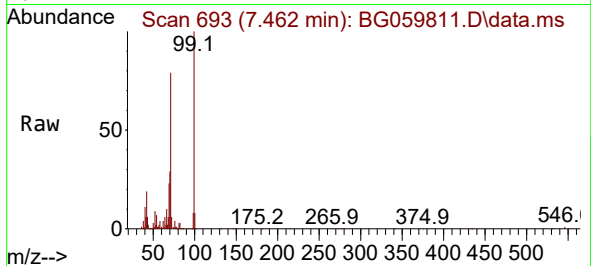




#7
Phenol-d6
Concen: 105.040 ng
RT: 7.462 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

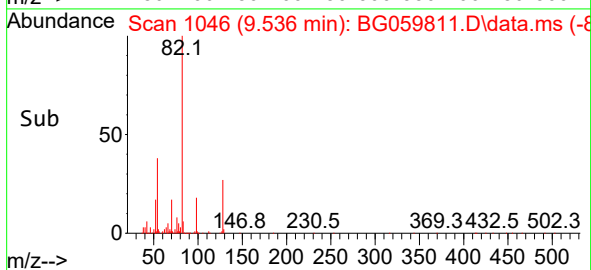
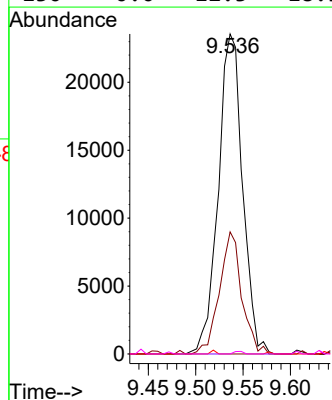
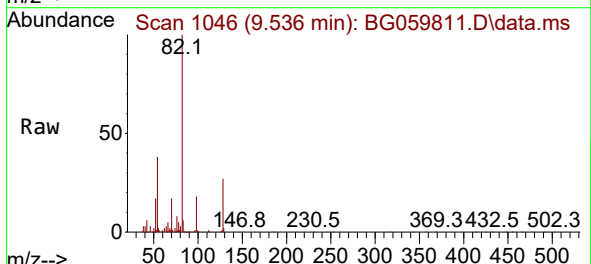
Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP

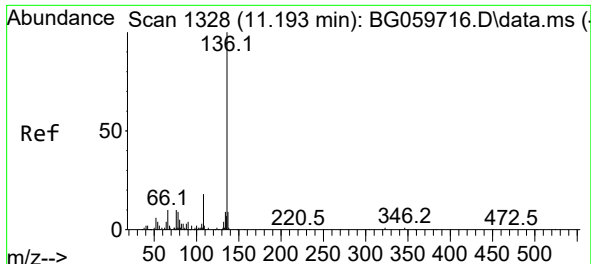
Tgt Ion: 99 Resp: 219320
Ion Ratio Lower Upper
99 100
42 19.2 14.3 21.5
71 79.1 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 25.524 ng
RT: 9.536 min Scan# 1046
Delta R.T. 0.388 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

Tgt Ion: 70 Resp: 41968
Ion Ratio Lower Upper
70 100
42 38.1 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

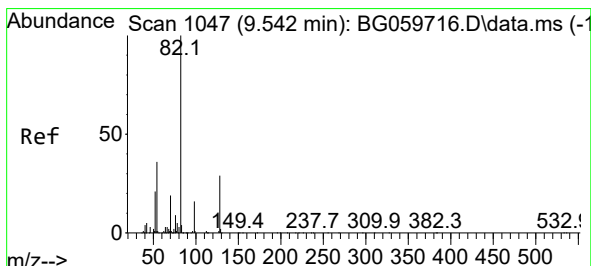
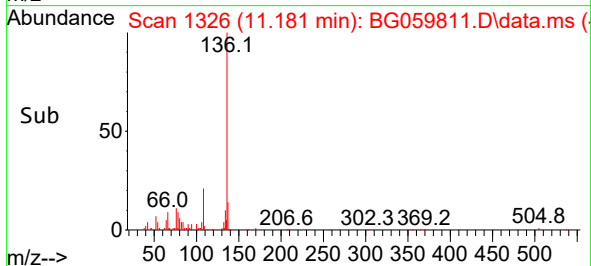
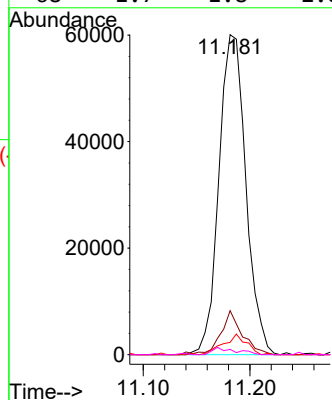
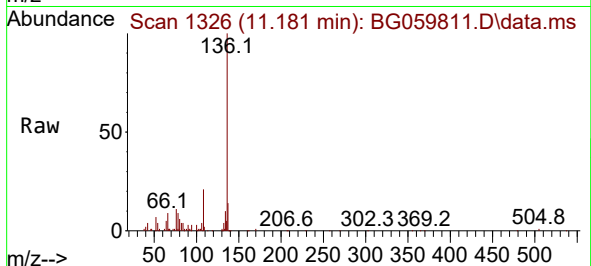




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.181 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

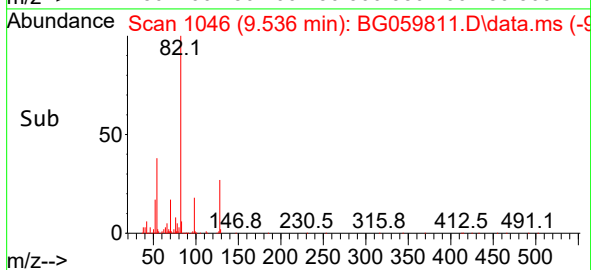
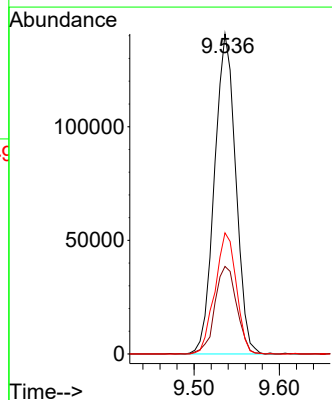
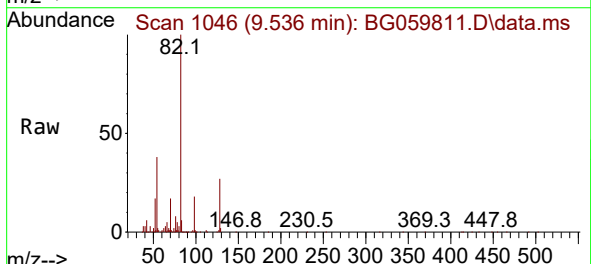
Instrument :
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ClientSampleId :
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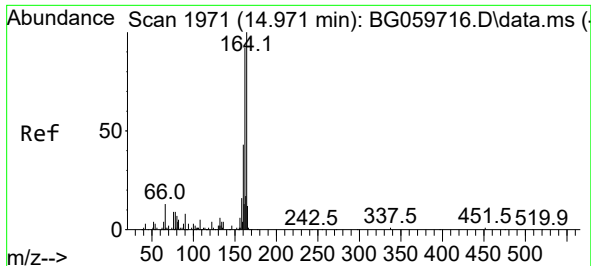
Tgt Ion:136 Resp: 105576
Ion Ratio Lower Upper
136 100
137 13.8 7.4 11.0#
54 3.8 3.1 4.7
68 1.7 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 88.302 ng
RT: 9.536 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

Tgt Ion: 82 Resp: 244097
Ion Ratio Lower Upper
82 100
128 27.3 23.0 34.6
54 37.9 28.7 43.1

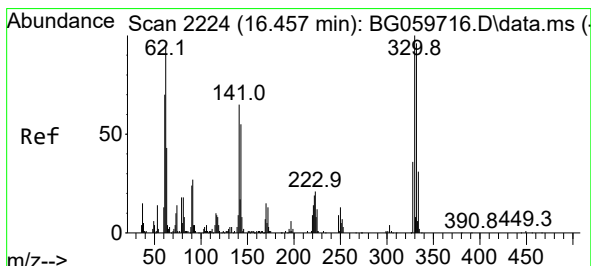
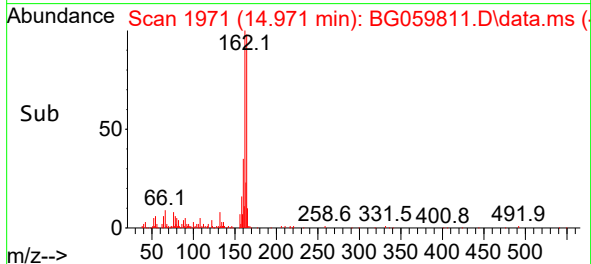
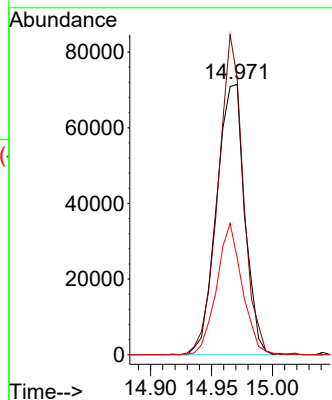
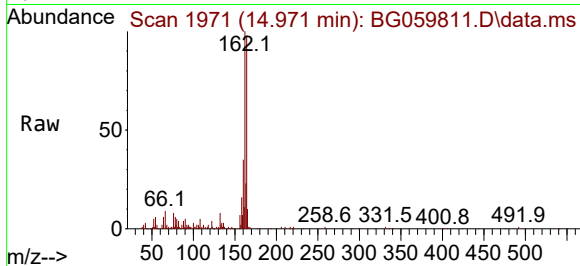




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.971 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

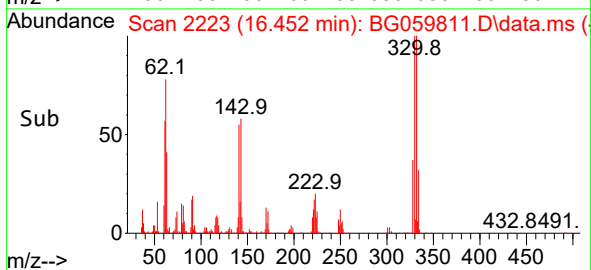
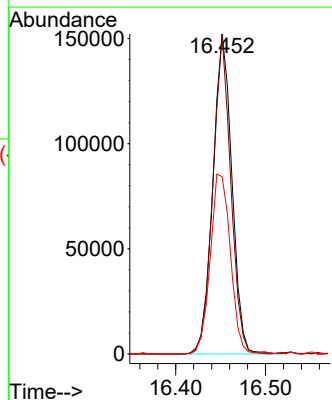
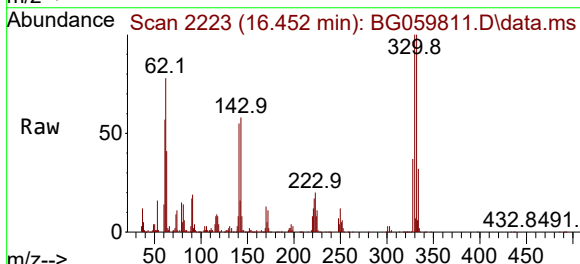
Instrument :
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ClientSampleId :
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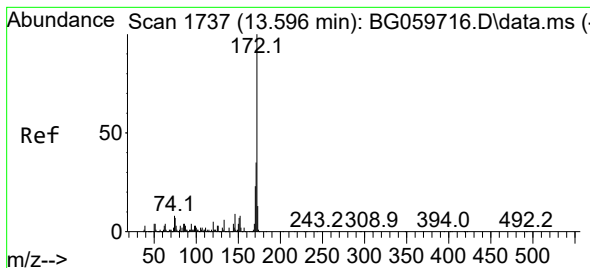
Tgt Ion:164 Resp: 114748
Ion Ratio Lower Upper
164 100
162 102.3 73.3 109.9
160 35.8 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 171.612 ng
RT: 16.452 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

Tgt Ion:330 Resp: 223432
Ion Ratio Lower Upper
330 100
332 93.3 73.3 109.9
141 59.5 52.1 78.1

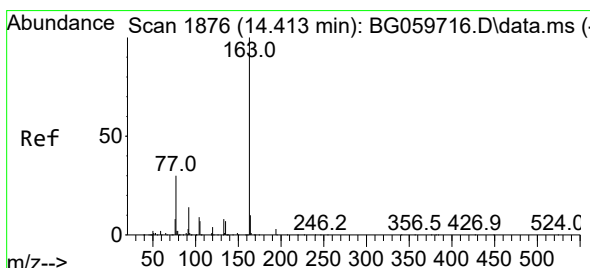
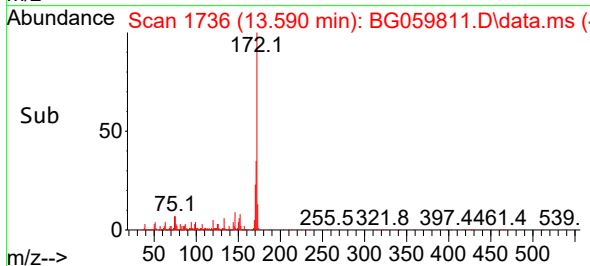
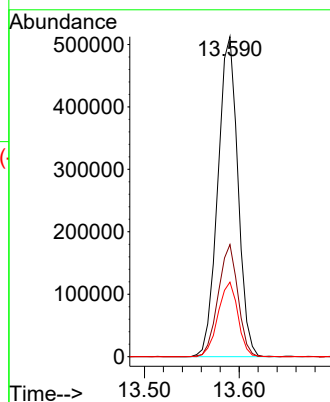
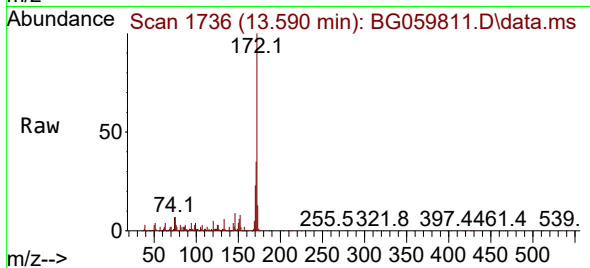




#45
2-Fluorobiphenyl
Concen: 88.403 ng
RT: 13.590 min Scan# 1736
Delta R.T. -0.006 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

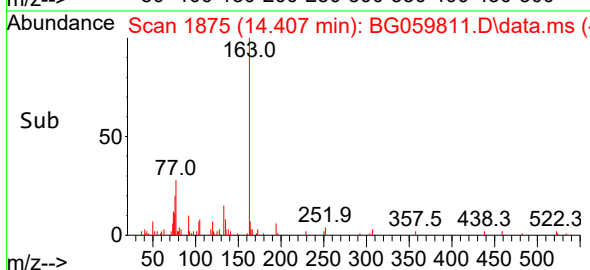
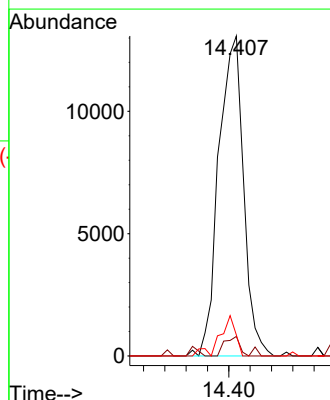
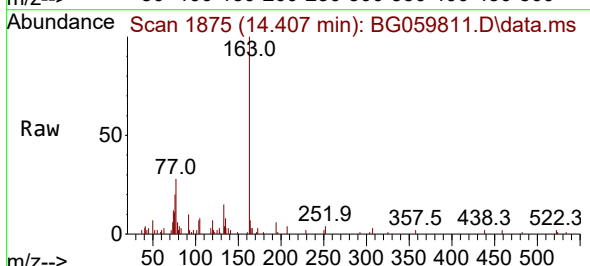
Instrument :
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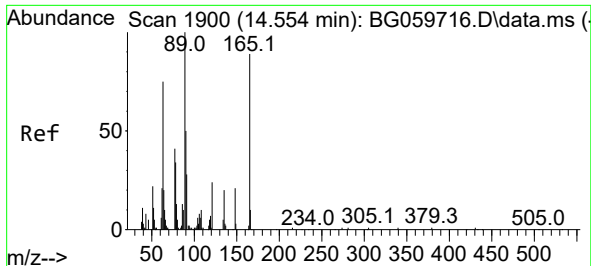
Tgt Ion:172 Resp: 753623
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.3 18.4 27.6



#50
Dimethylphthalate
Concen: 2.377 ng
RT: 14.407 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

Tgt Ion:163 Resp: 21138
Ion Ratio Lower Upper
163 100
194 6.1 2.8 4.2#
164 6.6 8.2 12.2#

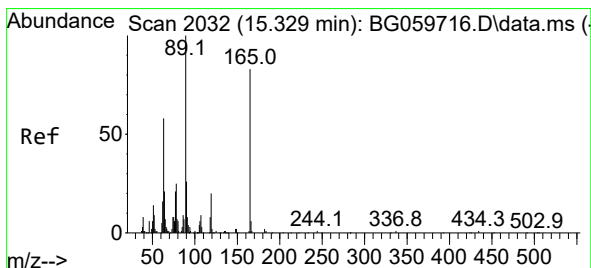
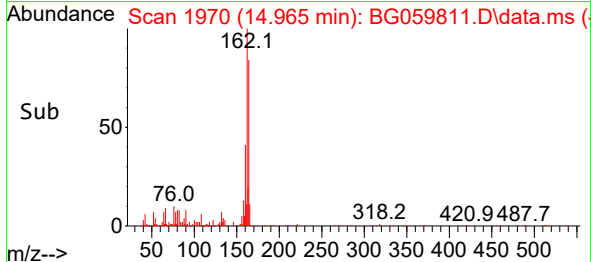
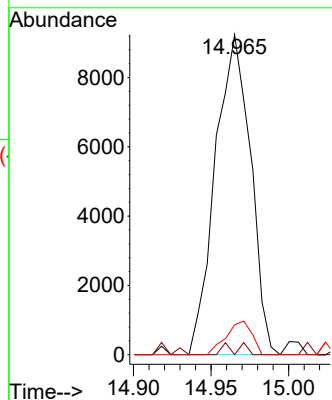
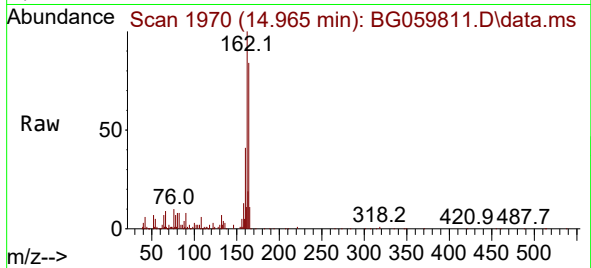




#51
2,6-Dinitrotoluene
Concen: 8.657 ng
RT: 14.965 min Scan# 1900
Delta R.T. 0.411 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

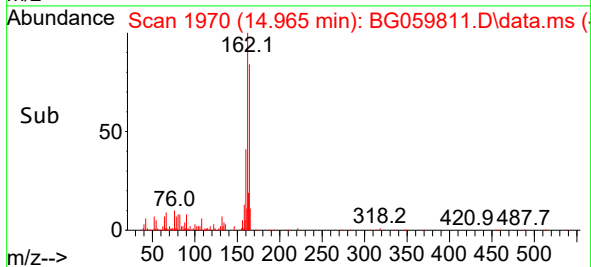
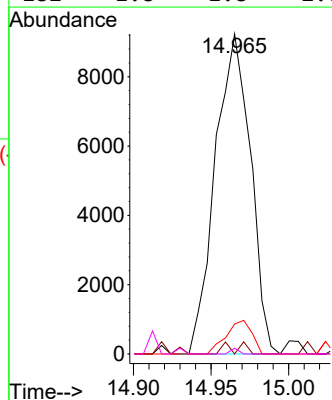
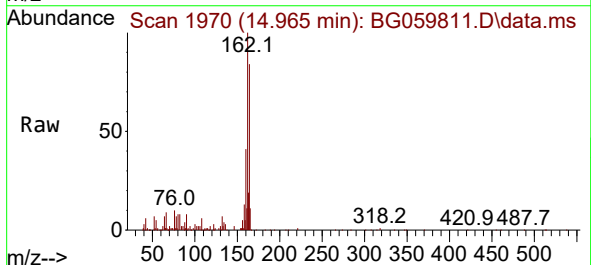
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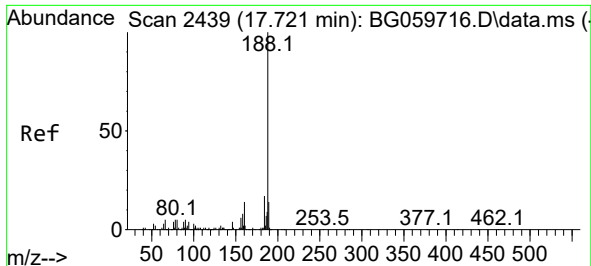
Tgt Ion:165 Resp: 14604
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 9.3 90.9 136.3#



#57
2,4-Dinitrotoluene
Concen: 5.629 ng
RT: 14.965 min Scan# 1970
Delta R.T. -0.364 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

Tgt Ion:165 Resp: 14604
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.8#
89 9.3 96.9 145.3#
182 1.8 1.8 2.6

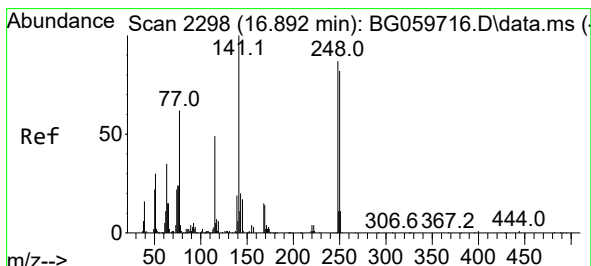
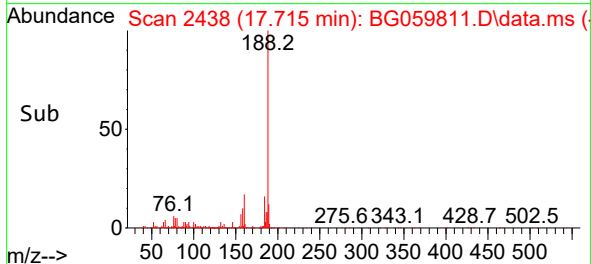
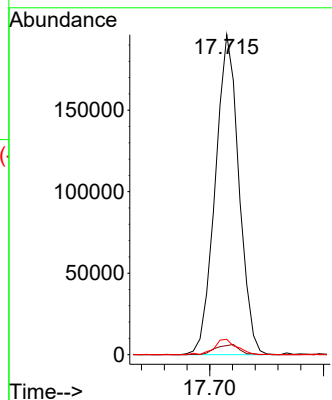
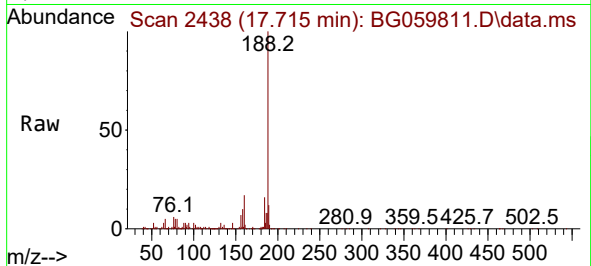




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.715 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

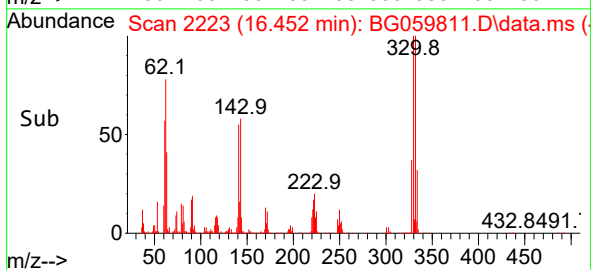
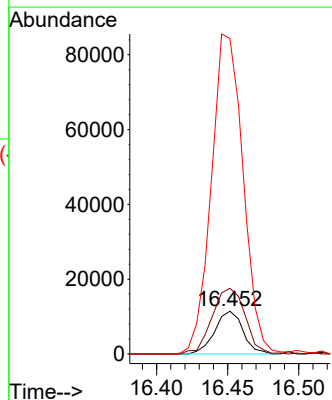
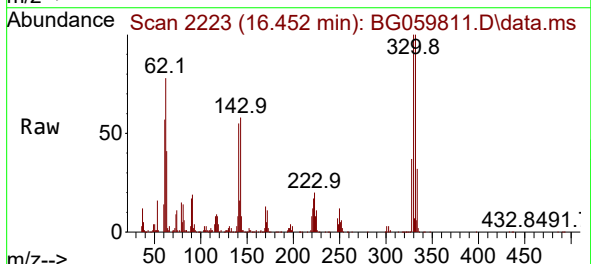
Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP

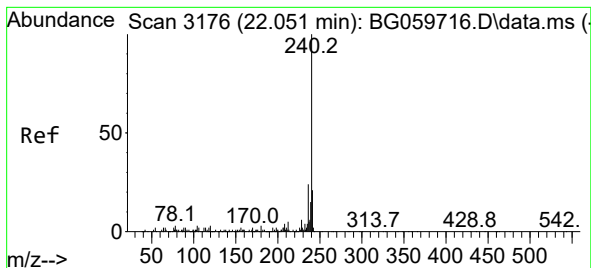
Tgt Ion:188 Resp: 284431
Ion Ratio Lower Upper
188 100
94 2.8 3.0 4.4#
80 4.8 4.2 6.4



#67
4-Bromophenyl-phenylether
Concen: 5.149 ng
RT: 16.452 min Scan# 2223
Delta R.T. -0.441 min
Lab File: BG059811.D
Acq: 22 Nov 2023 3:51

Tgt Ion:248 Resp: 15732
Ion Ratio Lower Upper
248 100
250 153.9 75.2 112.8#
141 739.4 91.5 137.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.045 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG059811.D

Acq: 22 Nov 2023 3:51

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM-COMP

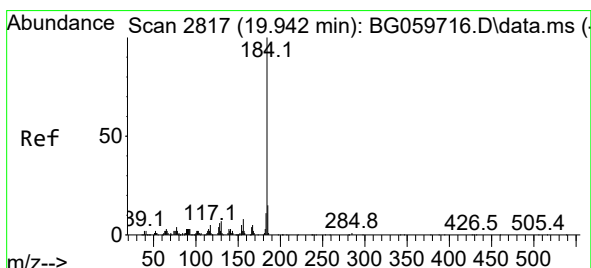
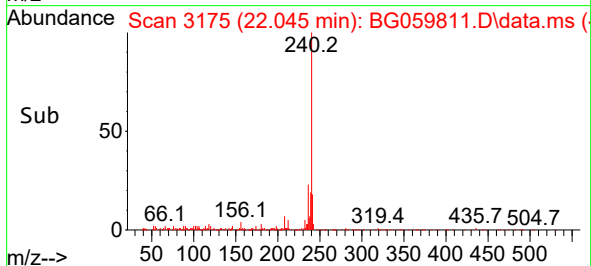
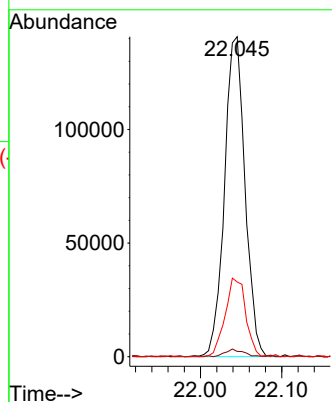
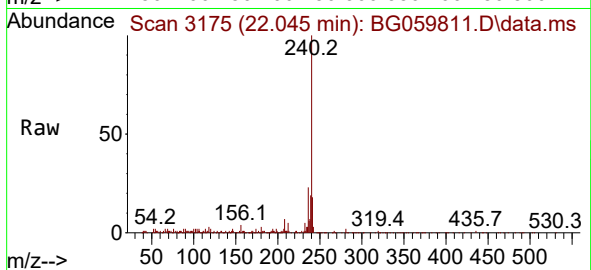
Tgt Ion:240 Resp: 247557

Ion Ratio Lower Upper

240 100

120 1.6 2.2 3.2#

236 23.4 19.4 29.2



#77

Benzidine

Concen: 8.964 ng

RT: 20.288 min Scan# 2876

Delta R.T. 0.347 min

Lab File: BG059811.D

Acq: 22 Nov 2023 3:51

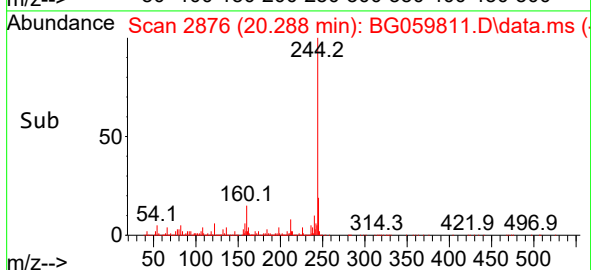
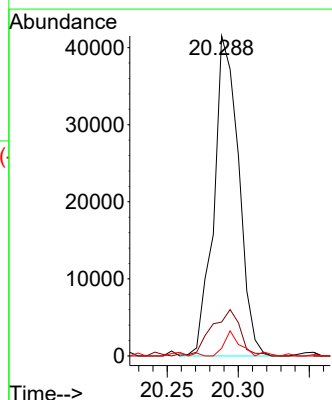
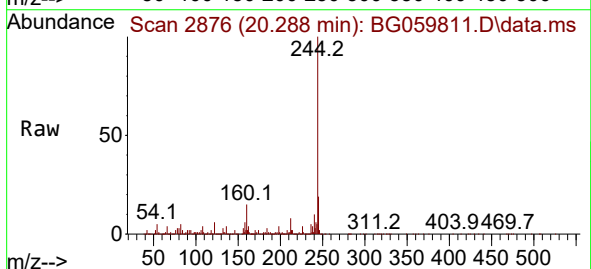
Tgt Ion:184 Resp: 50317

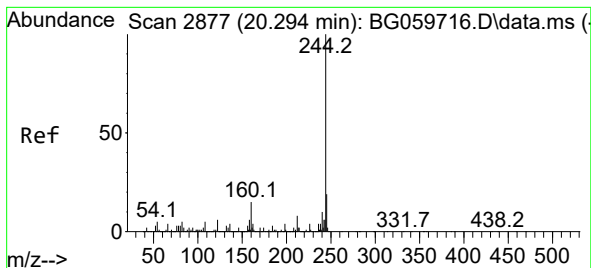
Ion Ratio Lower Upper

184 100

185 10.6 12.2 18.2#

183 2.4 8.8 13.2#





#79

Terphenyl-d14

Concen: 102.018 ng

RT: 20.294 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG059811.D

Acq: 22 Nov 2023 3:51

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM-COMP

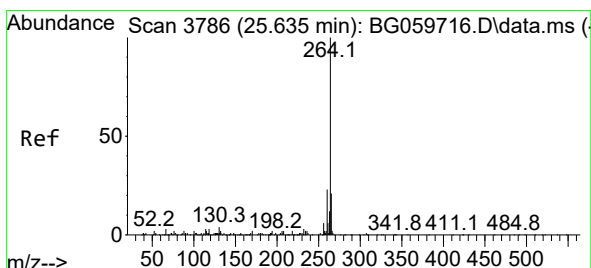
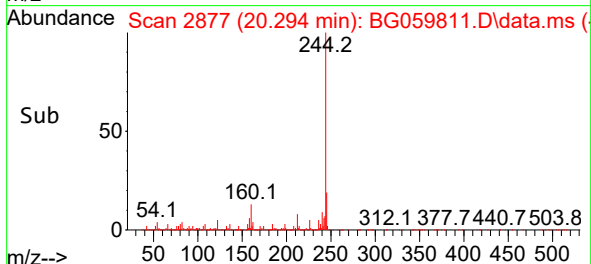
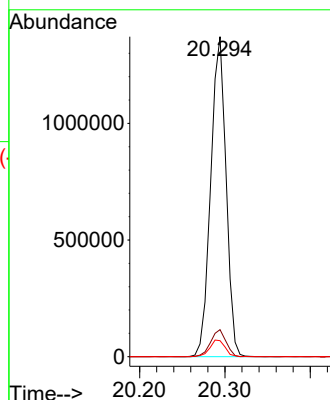
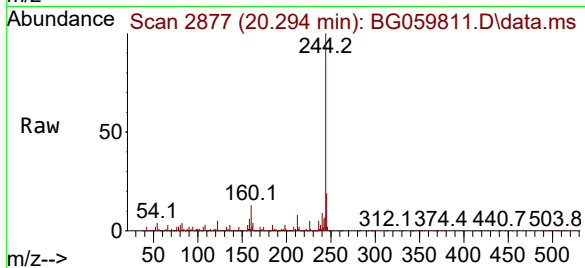
Tgt Ion:244 Resp: 1710780

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

122 5.0 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.623 min Scan# 3784

Delta R.T. -0.012 min

Lab File: BG059811.D

Acq: 22 Nov 2023 3:51

Tgt Ion:264 Resp: 267817

Ion Ratio Lower Upper

264 100

260 20.7 18.5 27.7

265 20.4 17.0 25.6

