

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059836.D
 Acq On : 23 Nov 2023 3:10
 Operator : MA/JU
 Sample : 05445-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Quant Time: Nov 23 03:57:03 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)

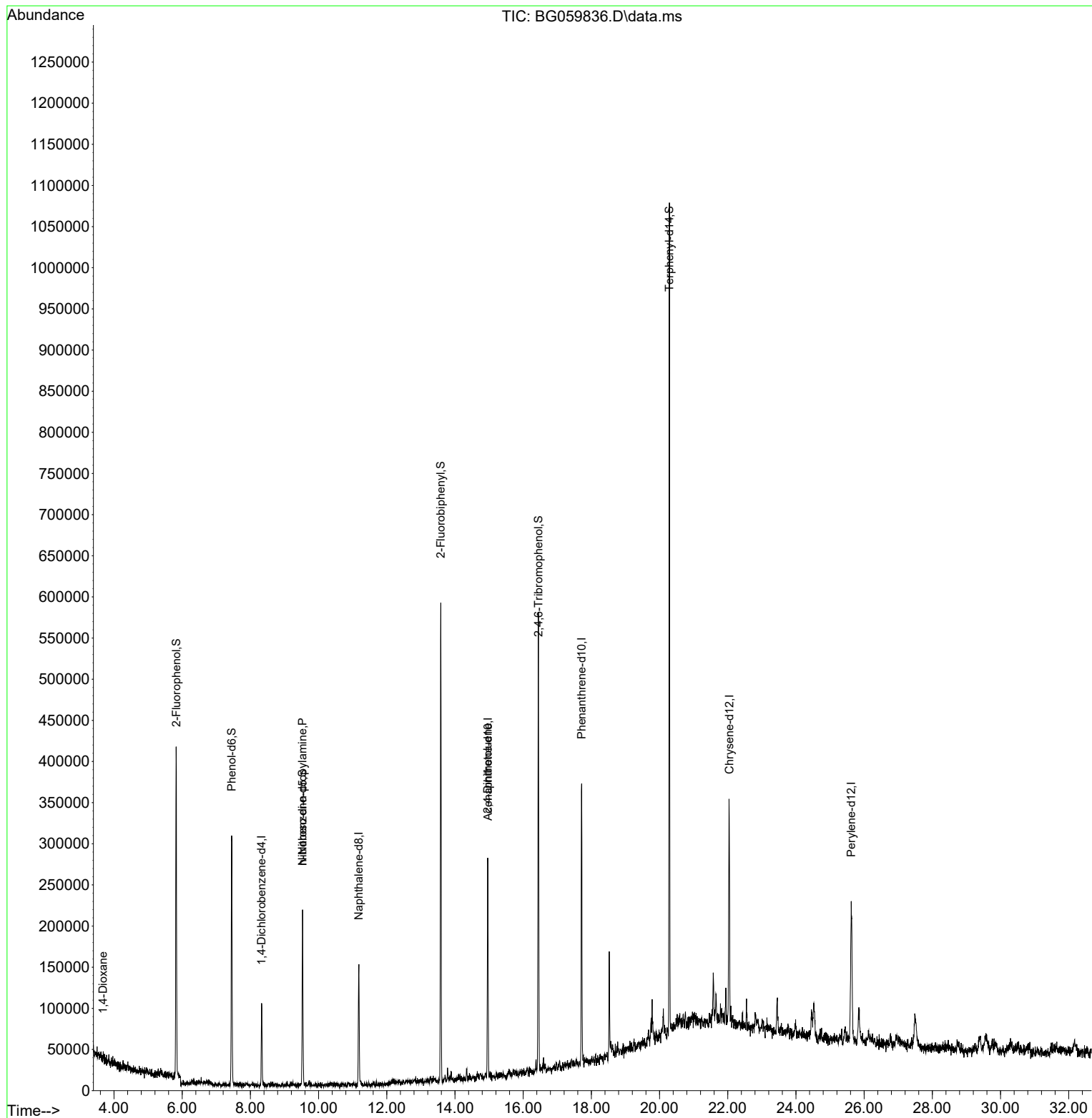
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.325	152	22485	20.000	ng	-0.02
21) Naphthalene-d8	11.181	136	105344	20.000	ng	#-0.01
39) Acenaphthene-d10	14.964	164	85949	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	184565	20.000	ng	# 0.00
76) Chrysene-d12	22.044	240	152236	20.000	ng	0.00
86) Perylene-d12	25.622	264	194928	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	143356	107.311	ng	0.00
7) Phenol-d6	7.450	99	133930	67.653	ng	0.00
23) Nitrobenzene-d5	9.530	82	121601	44.086	ng	-0.01
42) 2,4,6-Tribromophenol	16.451	330	78519	80.516	ng	0.00
45) 2-Fluorobiphenyl	13.584	172	256649	40.194	ng	-0.01
79) Terphenyl-d14	20.288	244	394766	38.281	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.678	88	1807	2.880	ng	# 8
19) n-Nitroso-di-n-propyla...	9.530	70	19806	12.705	ng	# 86
57) 2,4-Dinitrotoluene	14.959	165	11368	5.850	ng	# 7

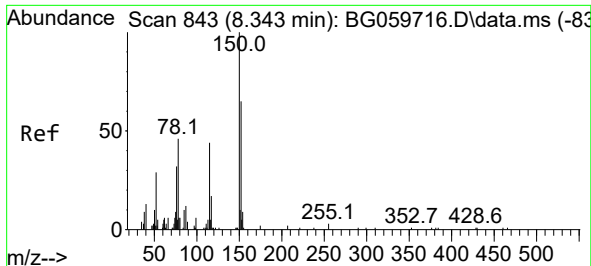
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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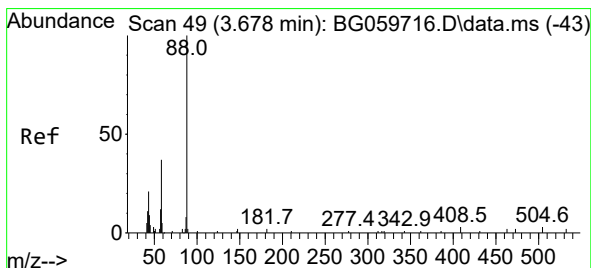
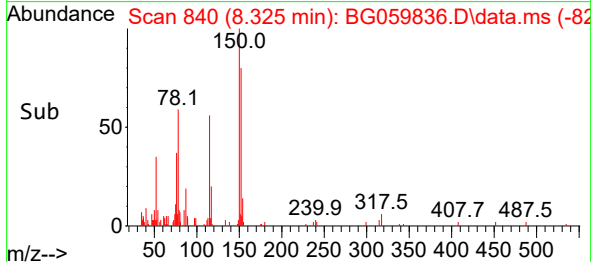
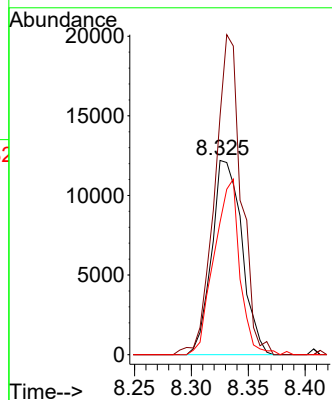
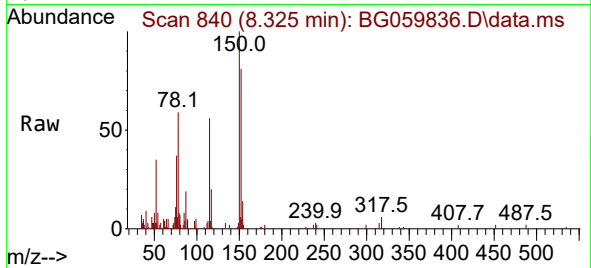




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.325 min Scan# 84
Delta R.T. -0.018 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

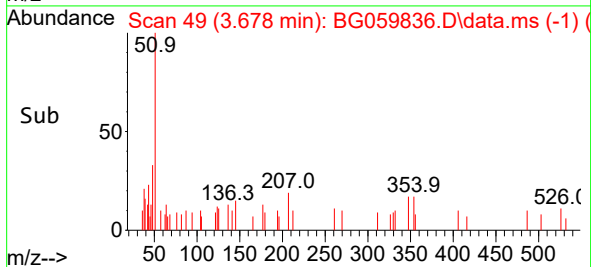
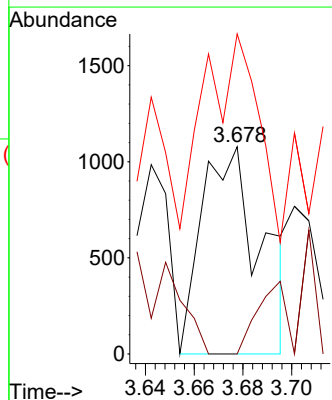
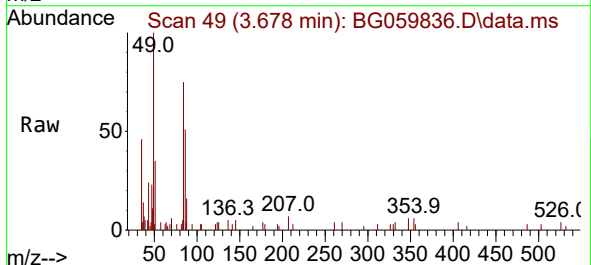
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

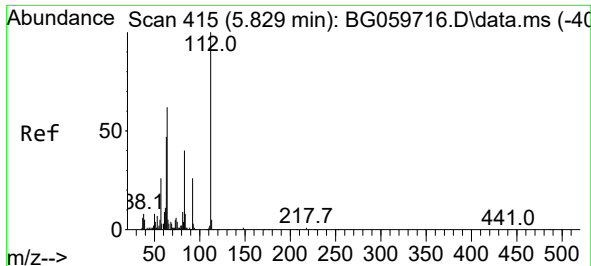
Tgt Ion:152 Resp: 22485
Ion Ratio Lower Upper
152 100
150 122.7 122.2 183.4
115 68.2 54.2 81.4



#2
1,4-Dioxane
Concen: 2.880 ng
RT: 3.678 min Scan# 49
Delta R.T. -0.001 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

Tgt Ion: 88 Resp: 1807
Ion Ratio Lower Upper
88 100
58 0.0 28.6 42.8#
43 90.0 17.5 26.3#

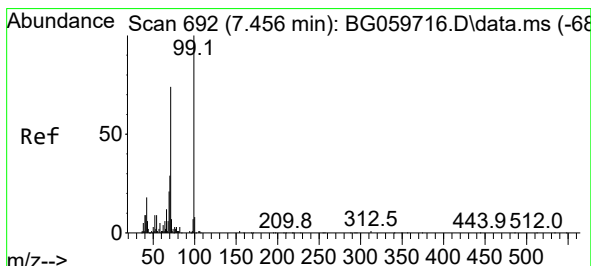
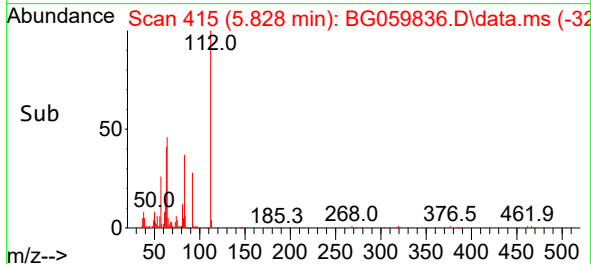
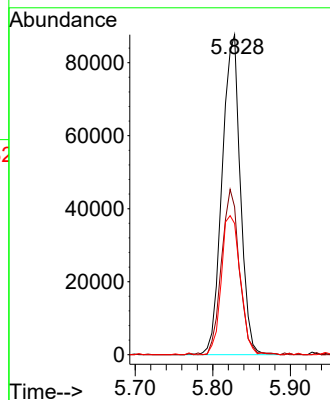
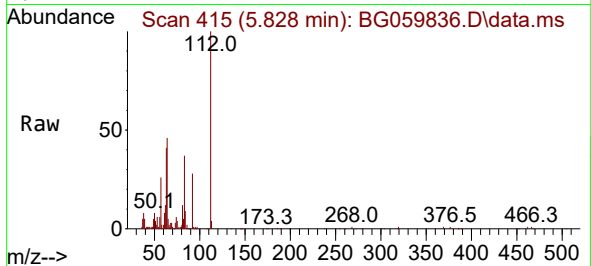




#5
2-Fluorophenol
Concen: 107.311 ng
RT: 5.828 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

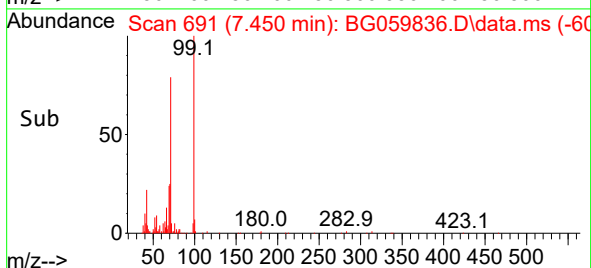
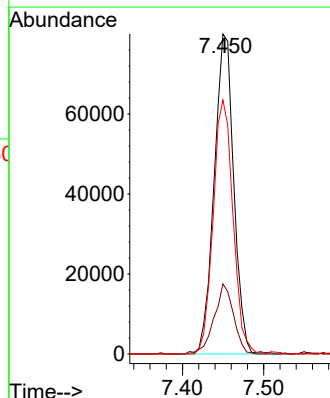
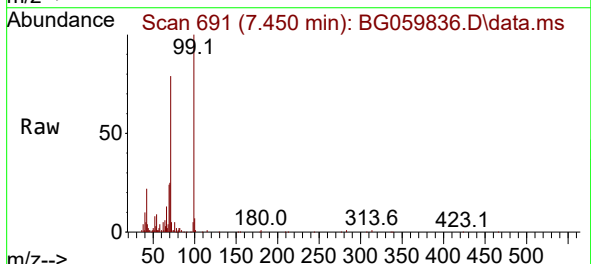
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

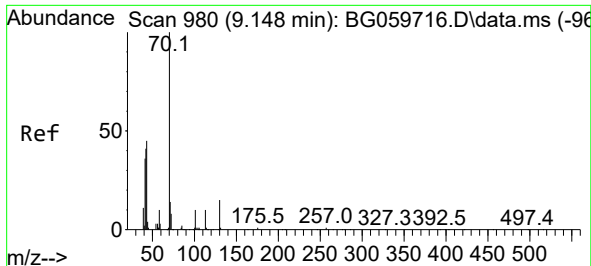
Tgt Ion:112 Resp: 143356
Ion Ratio Lower Upper
112 100
64 46.2 49.5 74.3#
63 41.0 37.4 56.2



#7
Phenol-d6
Concen: 67.653 ng
RT: 7.450 min Scan# 691
Delta R.T. -0.006 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

Tgt Ion: 99 Resp: 133930
Ion Ratio Lower Upper
99 100
42 21.9 14.3 21.5#
71 79.3 59.3 88.9

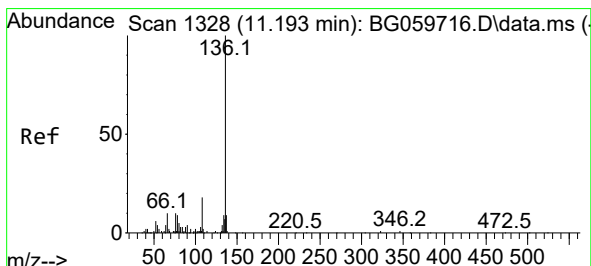
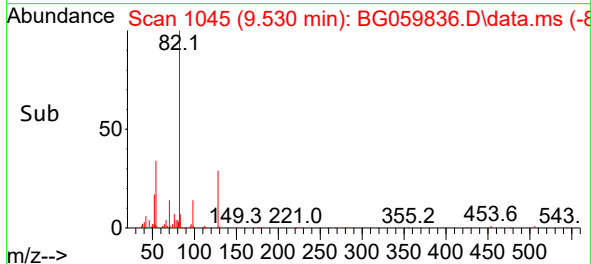
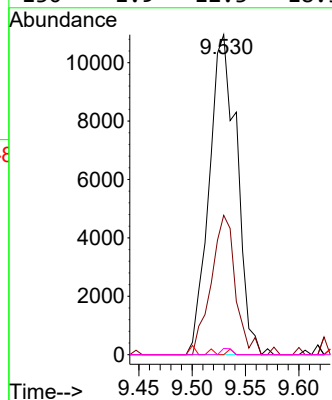
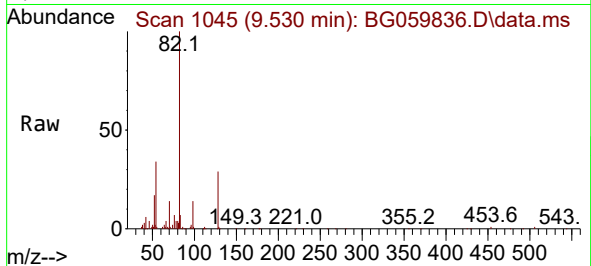




#19
n-Nitroso-di-n-propylamine
Concen: 12.705 ng
RT: 9.530 min Scan# 1045
Delta R.T. 0.381 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

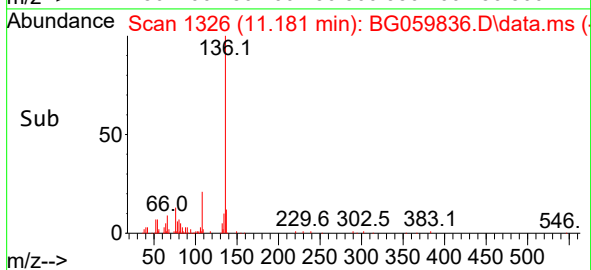
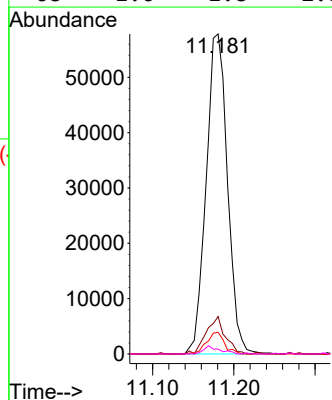
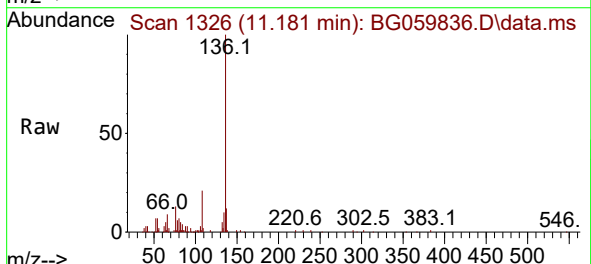
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

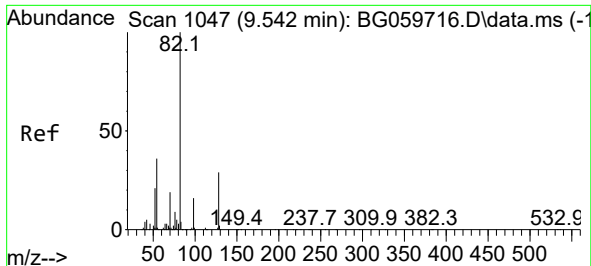
Tgt Ion: 70	Resp:	19806
Ion Ratio	Lower	Upper
70	100	
42	43.6	32.8 49.2
101	0.0	7.7 11.5#
130	1.9	12.3 18.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.181 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

Tgt Ion: 136	Resp:	105344
Ion Ratio	Lower	Upper
136	100	
137	11.7	7.4 11.0#
54	6.7	3.1 4.7#
68	1.6	1.8 2.8#

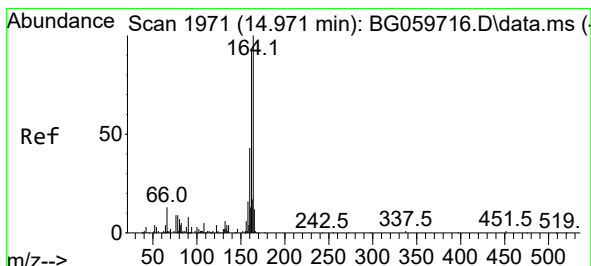
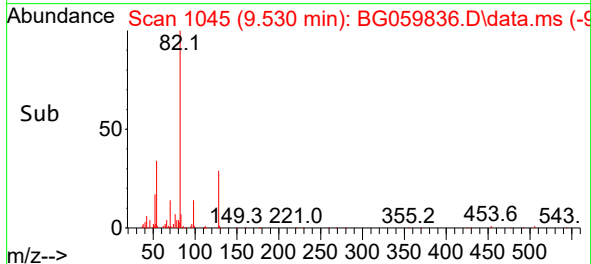
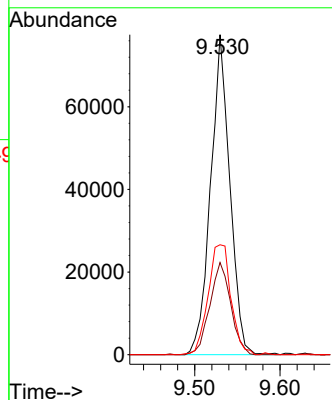
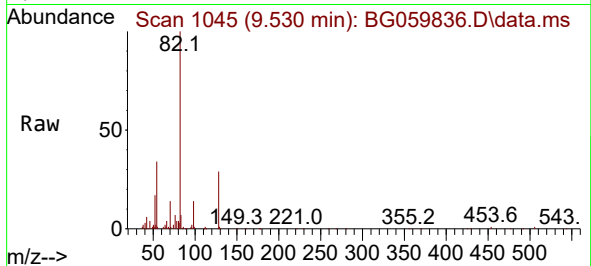




#23
Nitrobenzene-d5
Concen: 44.086 ng
RT: 9.530 min Scan# 1045
Delta R.T. -0.012 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

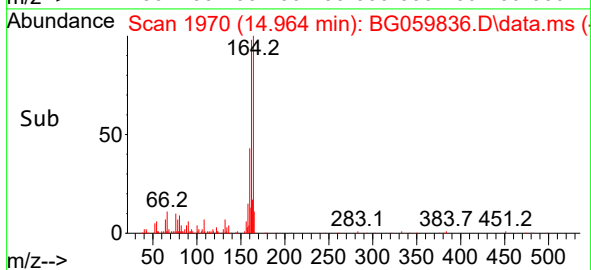
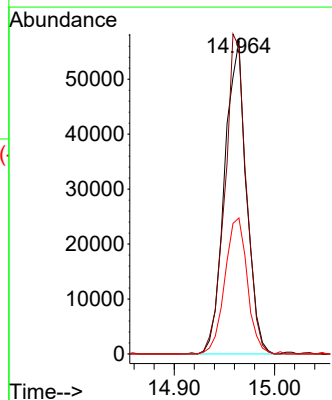
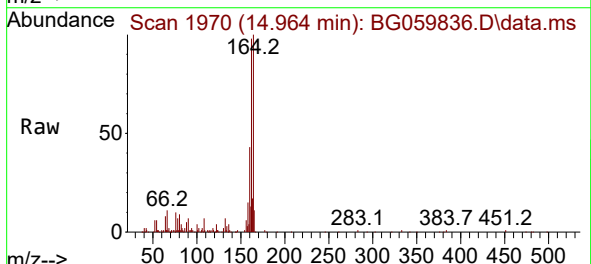
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

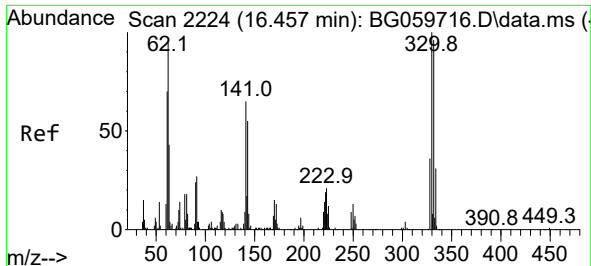
Tgt Ion: 82 Resp: 121601
Ion Ratio Lower Upper
82 100
128 28.8 23.0 34.6
54 34.4 28.7 43.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.964 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

Tgt Ion:164 Resp: 85949
Ion Ratio Lower Upper
164 100
162 98.1 73.3 109.9
160 43.5 34.1 51.1

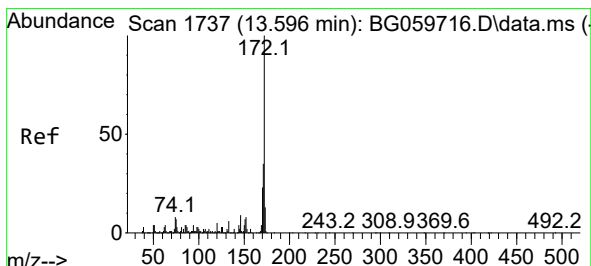
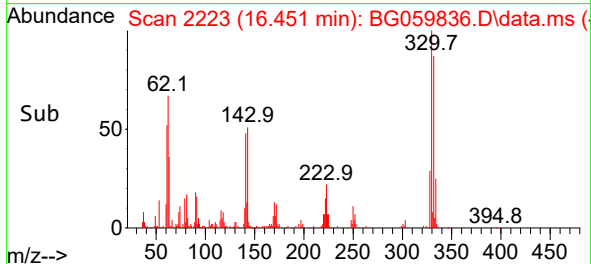
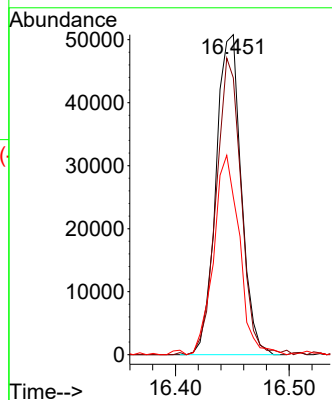
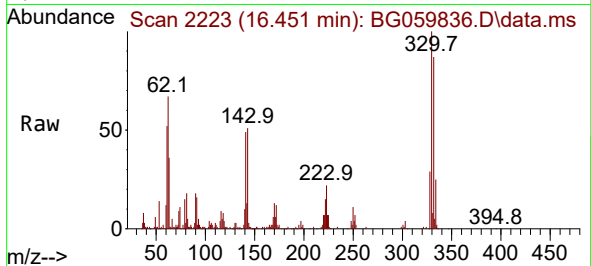




#42
2,4,6-Tribromophenol
Concen: 80.516 ng
RT: 16.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

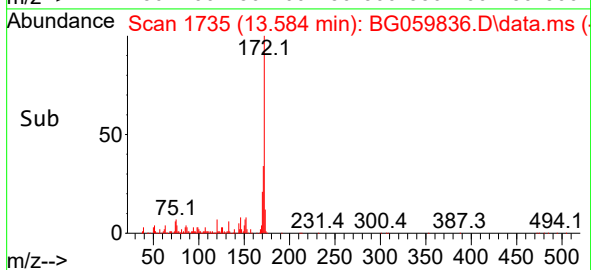
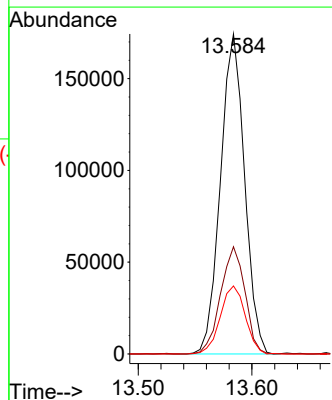
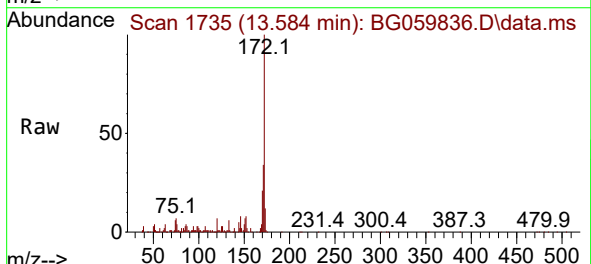
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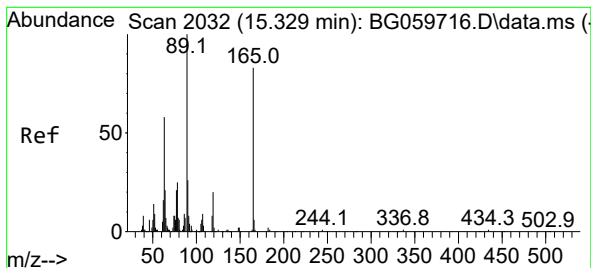
Tgt Ion:330 Resp: 78519
Ion Ratio Lower Upper
330 100
332 91.6 73.3 109.9
141 63.9 52.1 78.1



#45
2-Fluorobiphenyl
Concen: 40.194 ng
RT: 13.584 min Scan# 1735
Delta R.T. -0.012 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

Tgt Ion:172 Resp: 256649
Ion Ratio Lower Upper
172 100
171 33.5 27.7 41.5
170 21.3 18.4 27.6

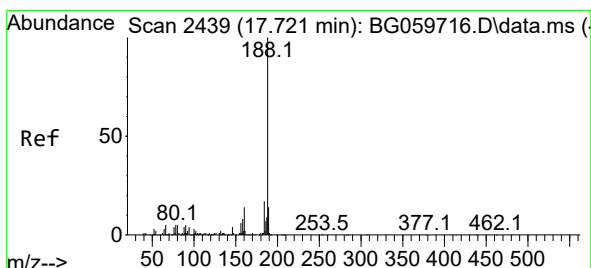
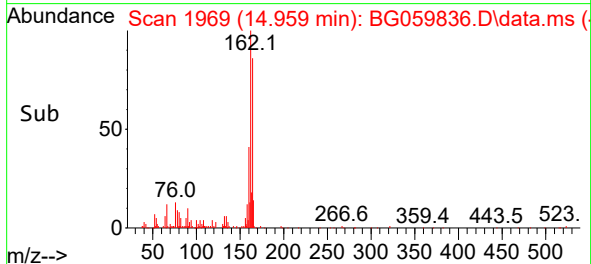
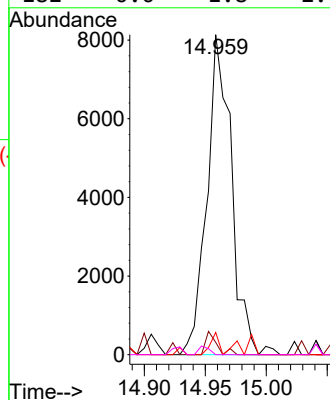
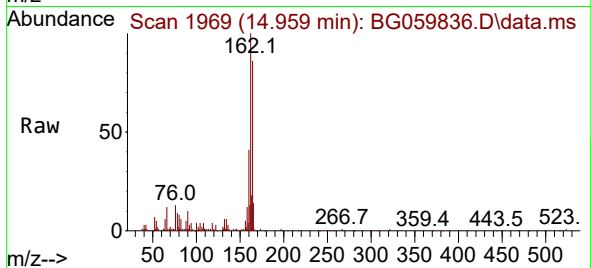




#57
2,4-Dinitrotoluene
Concen: 5.850 ng
RT: 14.959 min Scan# 1969
Delta R.T. -0.371 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

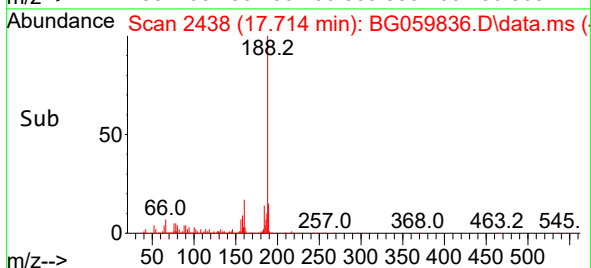
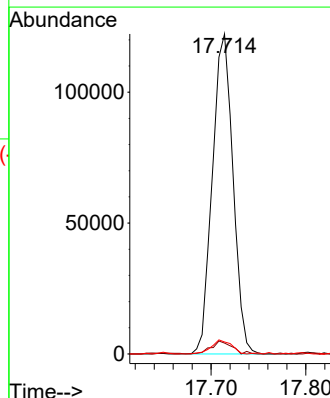
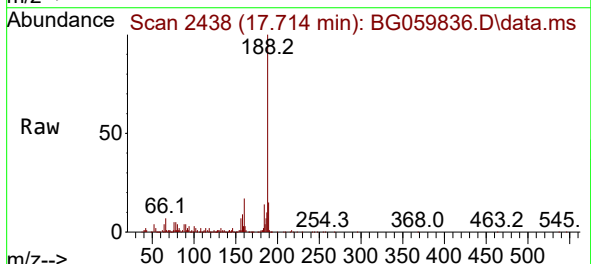
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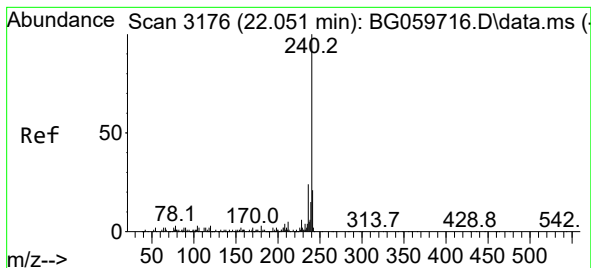
Tgt Ion:165 Resp: 11368
Ion Ratio Lower Upper
165 100
63 3.8 55.8 83.8#
89 6.9 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.714 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

Tgt Ion:188 Resp: 184565
Ion Ratio Lower Upper
188 100
94 3.4 3.0 4.4
80 3.8 4.2 6.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.044 min Scan# 3175

Delta R.T. -0.006 min

Lab File: BG059836.D

Acq: 23 Nov 2023 3:10

Instrument :

BNA_G

ClientSampleId :

SOIL-1-1115

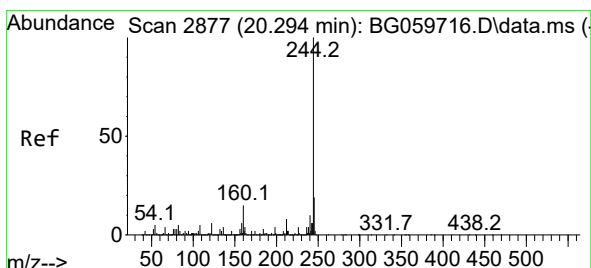
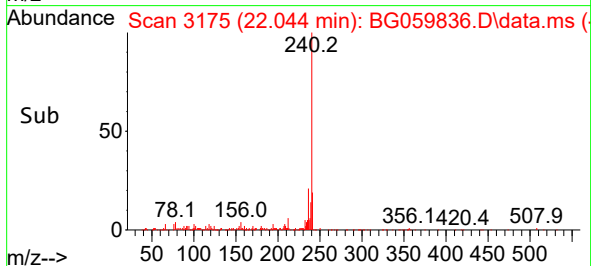
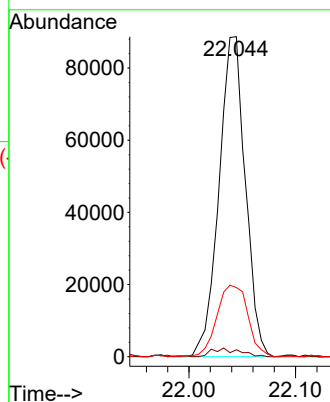
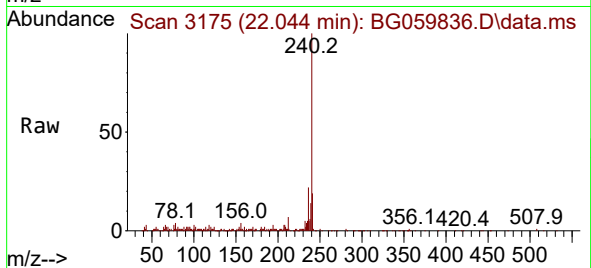
Tgt Ion:240 Resp: 152236

Ion Ratio Lower Upper

240 100

120 2.2 2.2 3.2

236 21.6 19.4 29.2



#79

Terphenyl-d14

Concen: 38.281 ng

RT: 20.288 min Scan# 2876

Delta R.T. -0.006 min

Lab File: BG059836.D

Acq: 23 Nov 2023 3:10

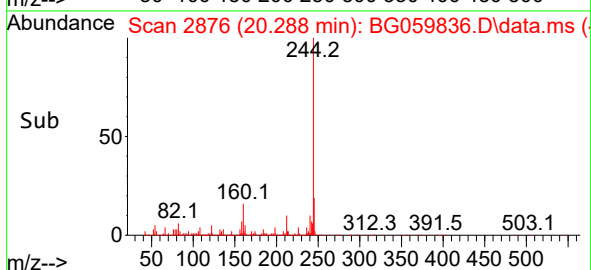
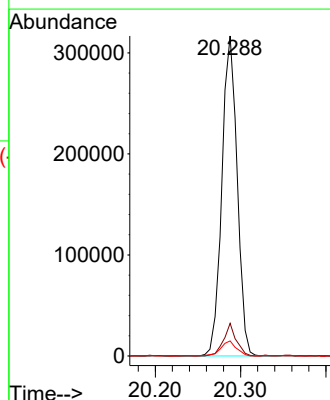
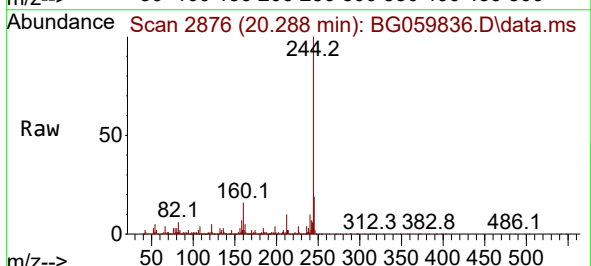
Tgt Ion:244 Resp: 394766

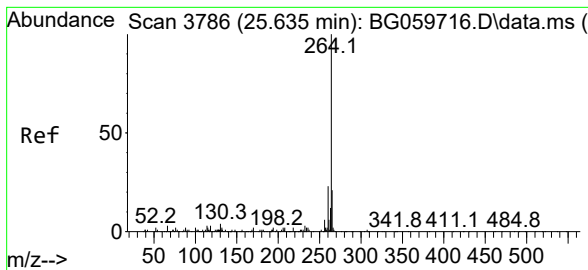
Ion Ratio Lower Upper

244 100

212 10.2 6.6 10.0#

122 4.7 4.4 6.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.622 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG059836.D
Acq: 23 Nov 2023 3:10

Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

Tgt Ion:	264	Resp:	194928
Ion Ratio	Lower	Upper	
264	100		
260	25.9	18.5	27.7
265	21.9	17.0	25.6

