

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
 Data File : BG061141.D
 Acq On : 8 May 2024 14:23
 Operator : MA/JU
 Sample : P2404-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOP-SOIL-2

Quant Time: May 08 15:01:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

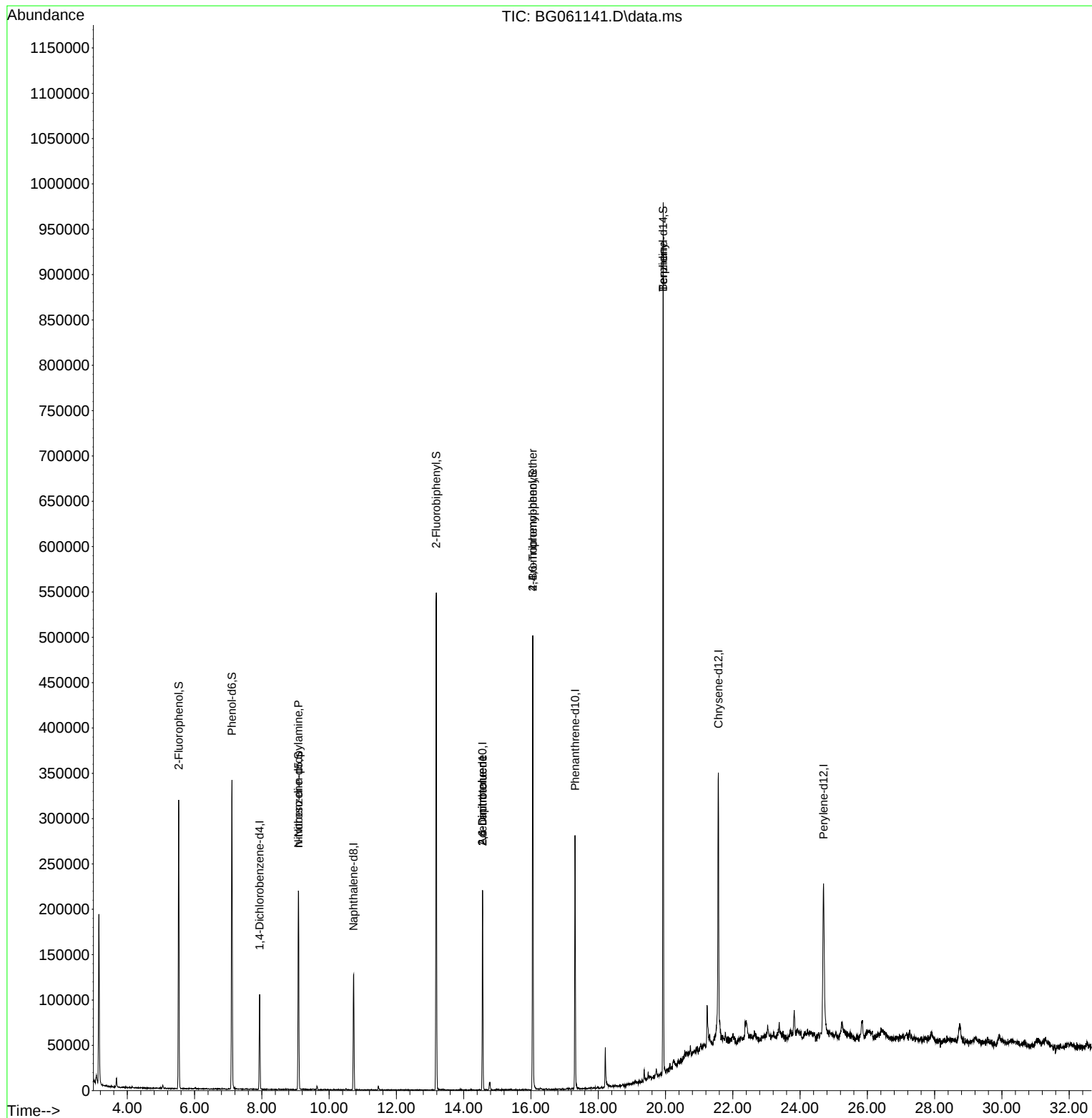
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	26700	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	101852	20.000	ng	#-0.03
39) Acenaphthene-d10	14.561	164	79837	20.000	ng	-0.03
64) Phenanthrene-d10	17.311	188	180495	20.000	ng	-0.02
76) Chrysene-d12	21.571	240	173618	20.000	ng	-0.02
86) Perylene-d12	24.697	264	211919	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	113118	86.162	ng	-0.02
7) Phenol-d6	7.111	99	156301	80.479	ng	-0.02
23) Nitrobenzene-d5	9.091	82	112447	54.729	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	115006	72.068	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	286503	53.065	ng	-0.02
79) Terphenyl-d14	19.932	244	502003	48.088	ng	-0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	7.105	77	253	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.091	70	16506	11.357	ng	# 60
51) 2,6-Dinitrotoluene	14.561	165	10650	8.074	ng	# 15
57) 2,4-Dinitrotoluene	14.561	165	10650	5.458	ng	# 17
67) 4-Bromophenyl-phenylether	16.054	248	6823	3.209	ng	# 1
77) Benzidine	19.932	184	7784	5.014	ng	# 92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061141.D
Acq On : 8 May 2024 14:23
Operator : MA/JU
Sample : P2404-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

Quant Time: May 08 15:01:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

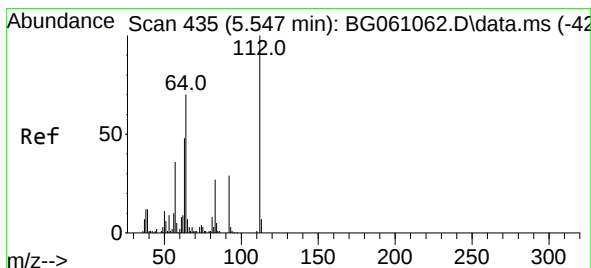
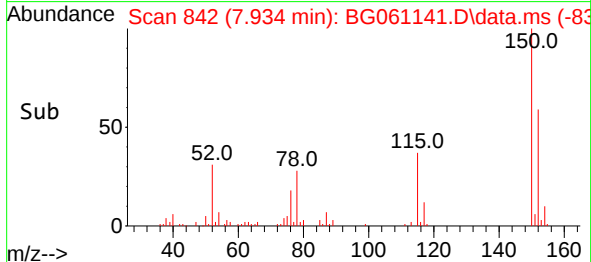
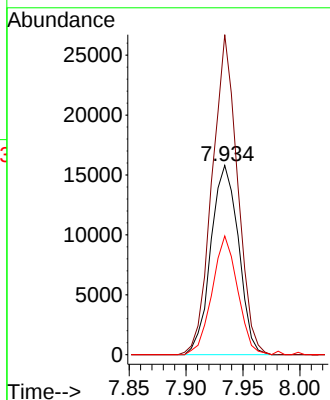
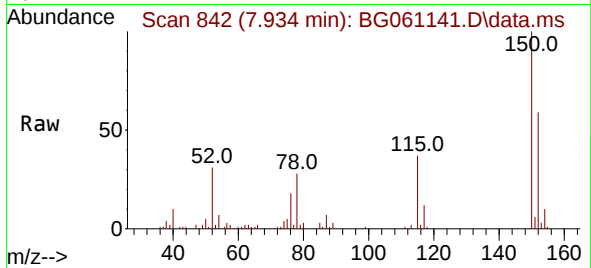




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 846
Delta R.T. -0.027 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

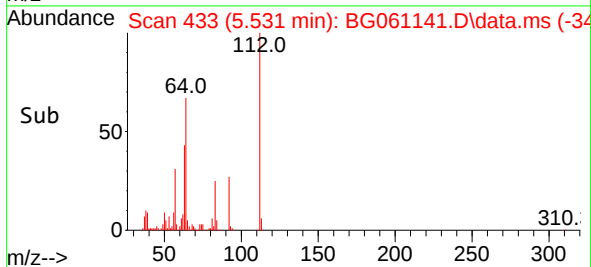
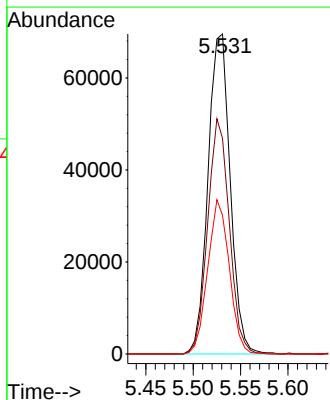
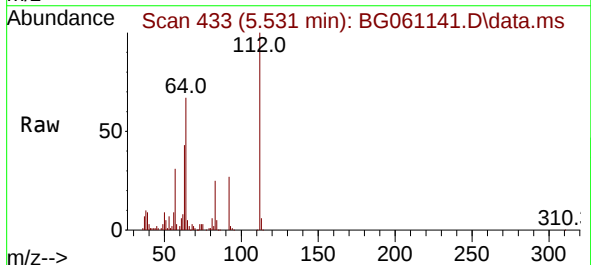
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

Tgt Ion:152 Resp: 26700
Ion Ratio Lower Upper
152 100
150 169.1 138.3 207.5
115 62.8 48.0 72.0



#5
2-Fluorophenol
Concen: 86.162 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.016 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:112 Resp: 113118
Ion Ratio Lower Upper
112 100
64 67.4 55.7 83.5
63 43.3 38.1 57.1





#7

Phenol-d6

Concen: 80.479 ng

RT: 7.111 min Scan# 705

Delta R.T. -0.022 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-2

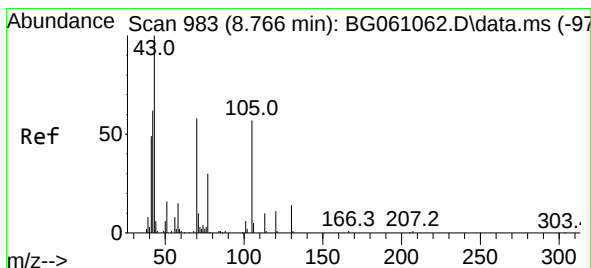
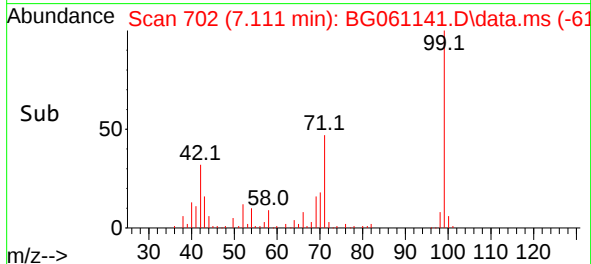
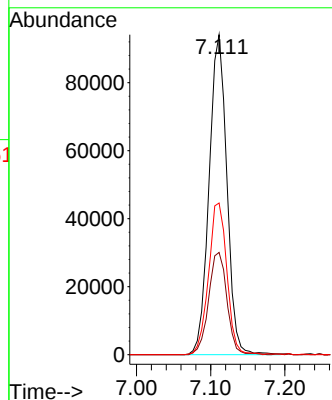
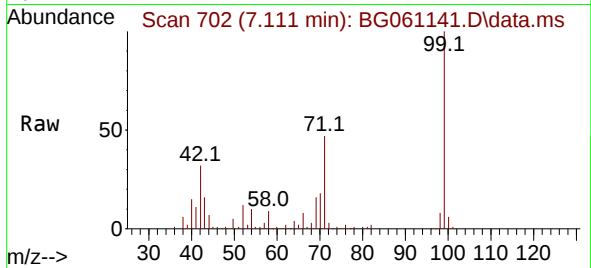
Tgt Ion: 99 Resp: 156301

Ion Ratio Lower Upper

99 100

42 32.0 29.2 43.8

71 47.4 39.7 59.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.357 ng

RT: 9.091 min Scan# 1039

Delta R.T. 0.325 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

Tgt Ion: 70 Resp: 16506

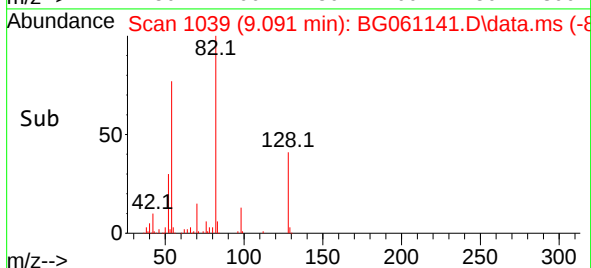
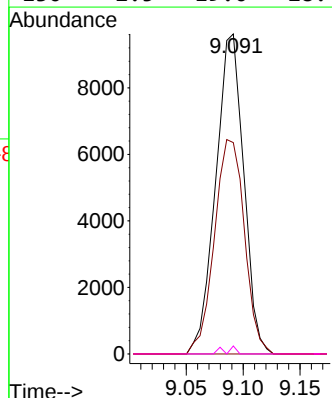
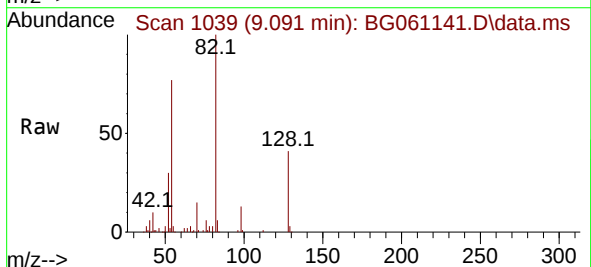
Ion Ratio Lower Upper

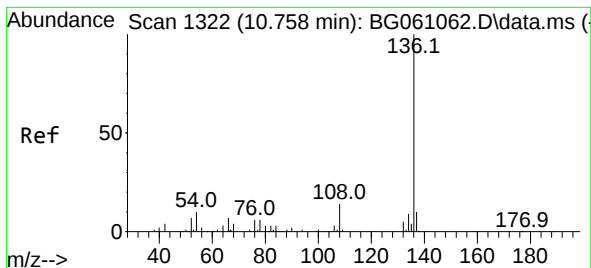
70 100

42 66.0 86.4 129.6#

101 0.0 7.8 11.8#

130 2.5 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.725 min Scan# 11

Delta R.T. -0.033 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-2

Tgt Ion:136 Resp: 101852

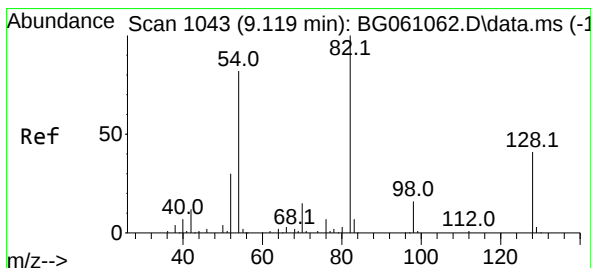
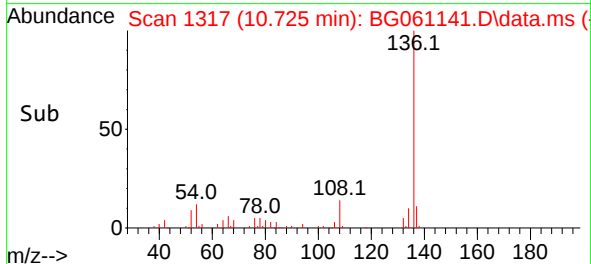
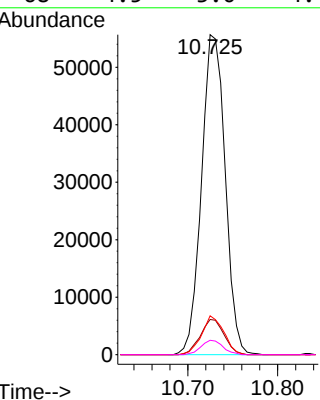
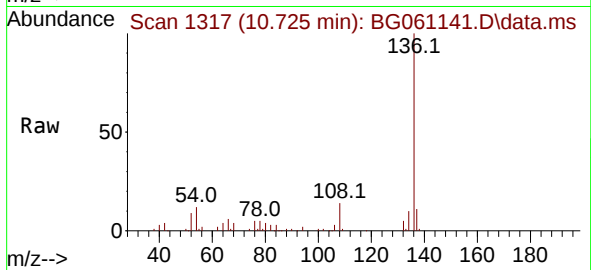
Ion Ratio Lower Upper

136 100

137 11.0 7.8 11.6

54 12.2 8.1 12.1#

68 4.5 3.0 4.4#



#23

Nitrobenzene-d5

Concen: 54.729 ng

RT: 9.091 min Scan# 1039

Delta R.T. -0.027 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

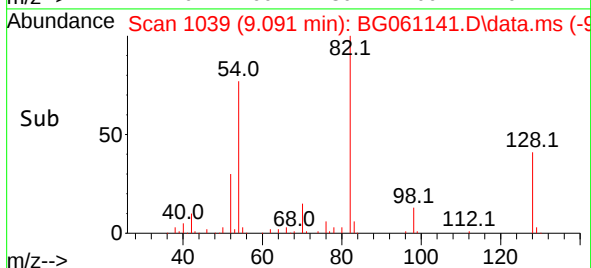
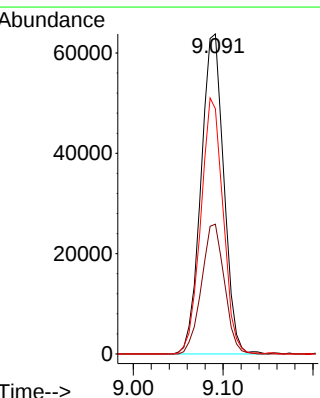
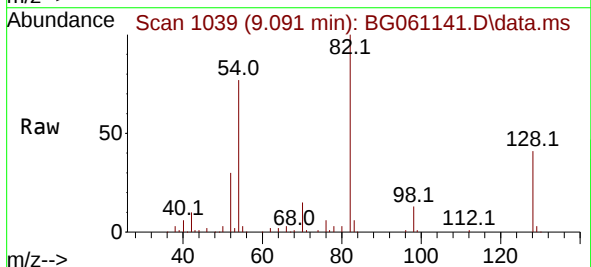
Tgt Ion: 82 Resp: 112447

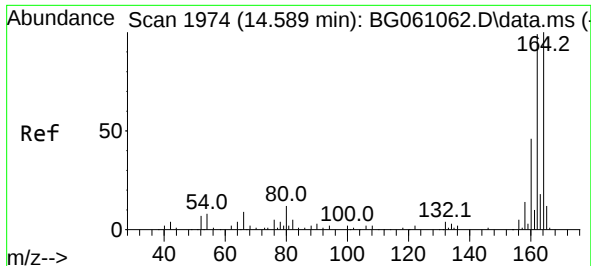
Ion Ratio Lower Upper

82 100

128 40.6 32.7 49.1

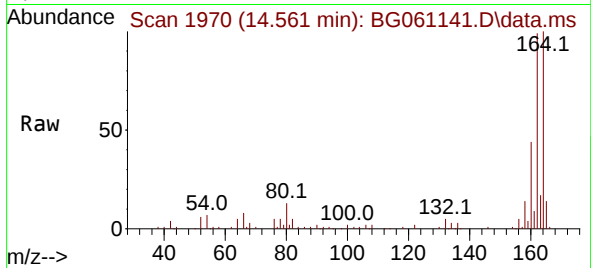
54 76.6 65.6 98.4



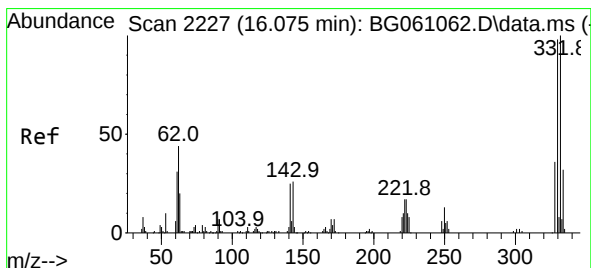
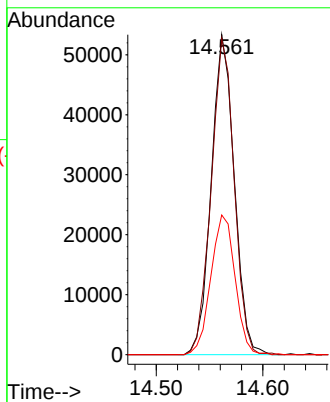
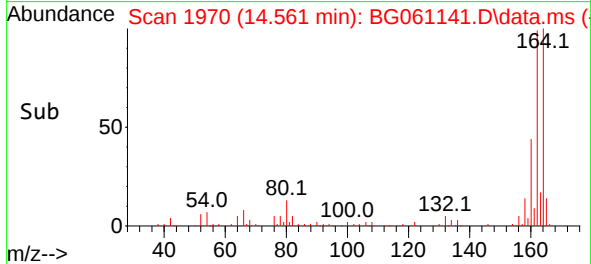


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.561 min Scan# 1970
Delta R.T. -0.027 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

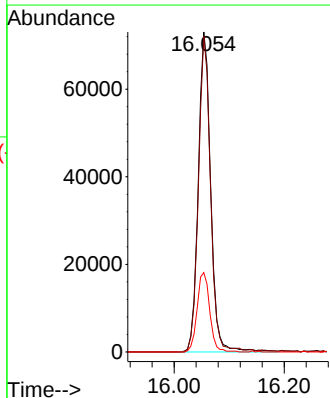
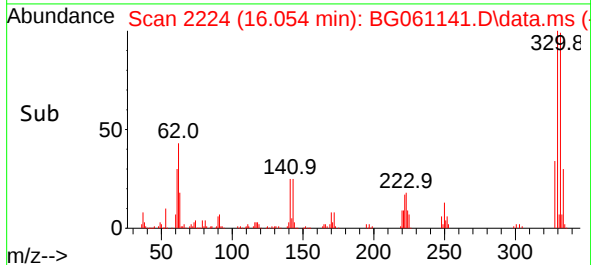
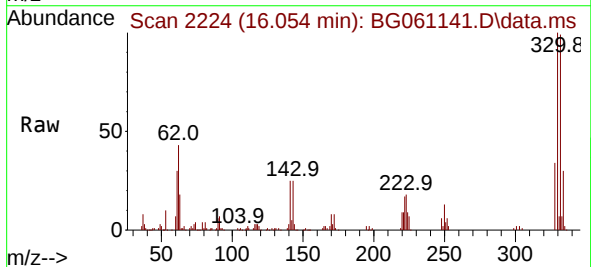


Tgt Ion:164 Resp: 79837
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.2
160 43.6 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 72.068 ng
RT: 16.054 min Scan# 2224
Delta R.T. -0.022 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:330 Resp: 115006
Ion Ratio Lower Upper
330 100
332 95.3 78.6 117.8
141 25.1 20.5 30.7

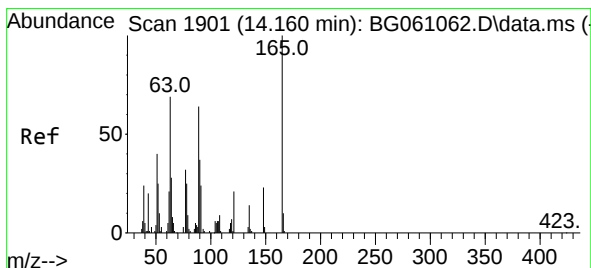
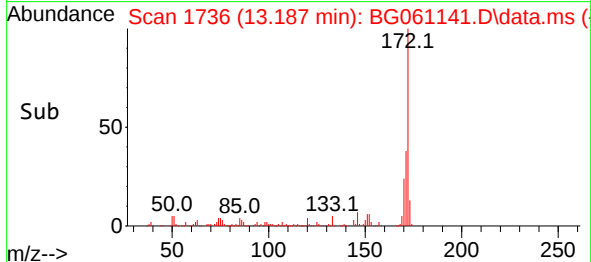
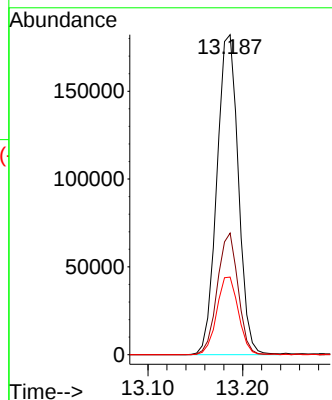
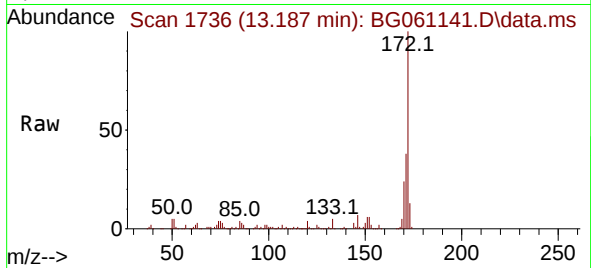




#45
2-Fluorobiphenyl
Concen: 53.065 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.022 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

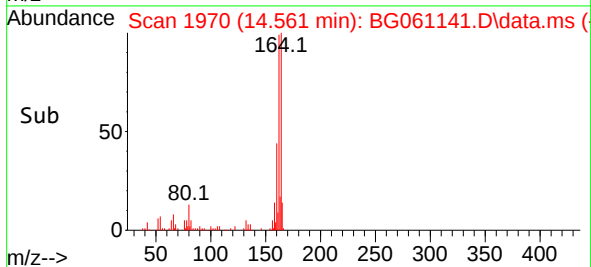
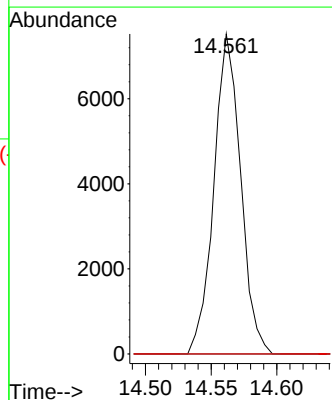
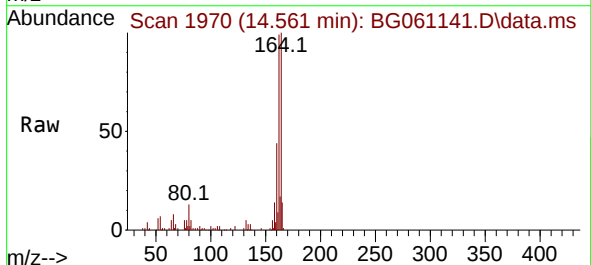
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

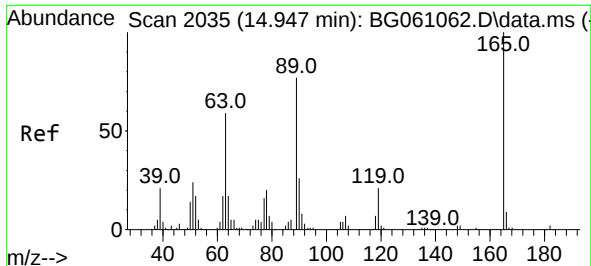
Tgt Ion:172 Resp: 286503
Ion Ratio Lower Upper
172 100
171 38.0 29.0 43.6
170 24.3 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.074 ng
RT: 14.561 min Scan# 1970
Delta R.T. 0.401 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:165 Resp: 10650
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#

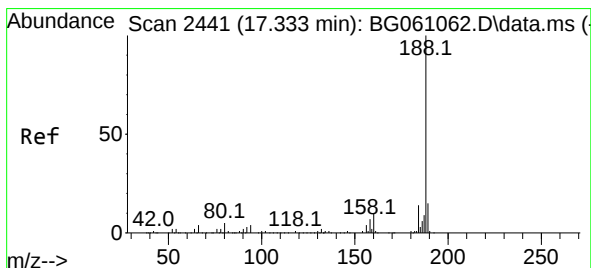
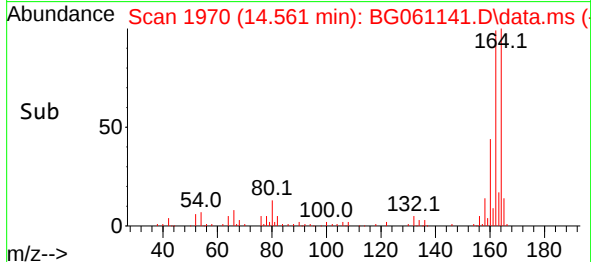
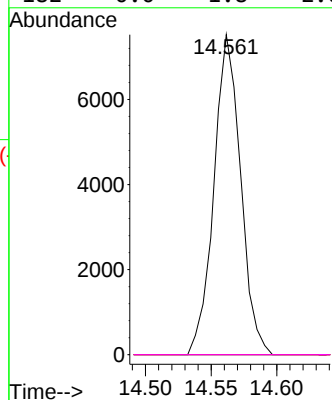
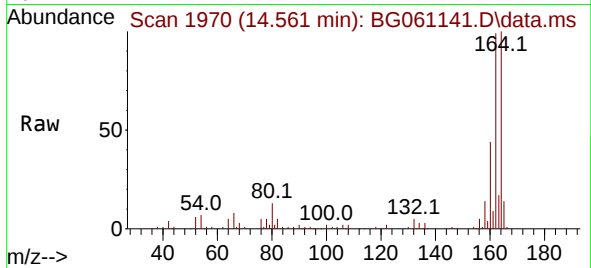




#57
2,4-Dinitrotoluene
Concen: 5.458 ng
RT: 14.561 min Scan# 1970
Delta R.T. -0.386 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

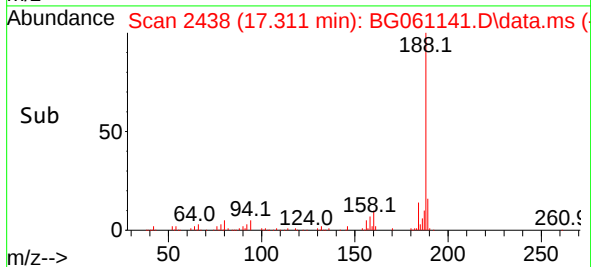
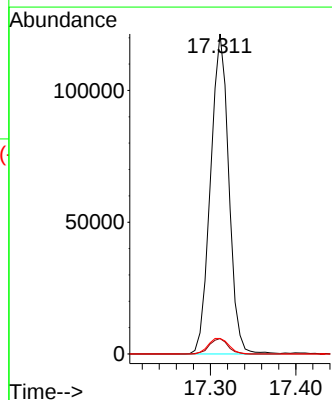
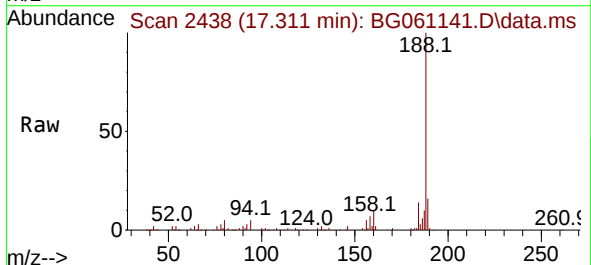
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

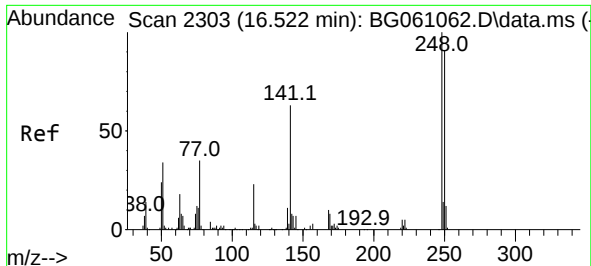
Tgt Ion:165 Resp: 10650
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.311 min Scan# 2438
Delta R.T. -0.022 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:188 Resp: 180495
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 4.8 4.2 6.2

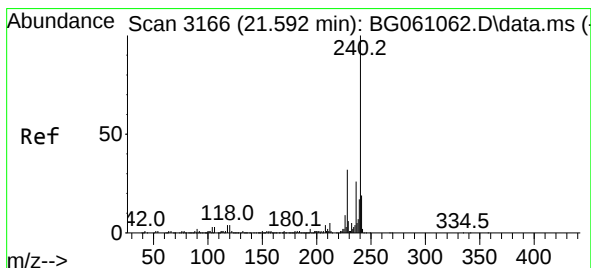
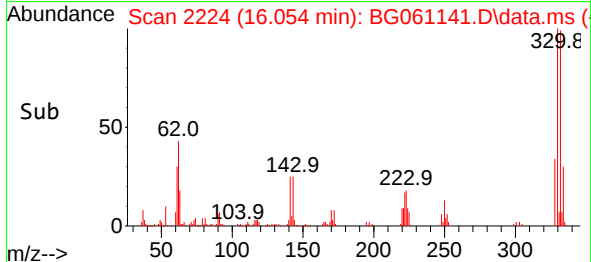
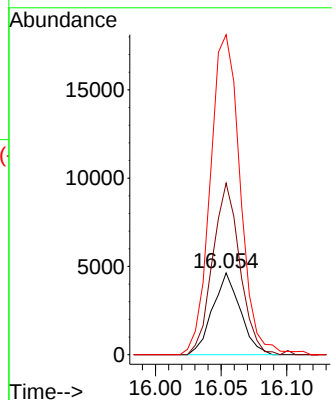
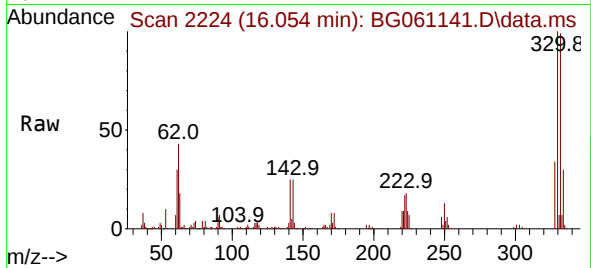




#67
4-Bromophenyl-phenylether
Concen: 3.209 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.468 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

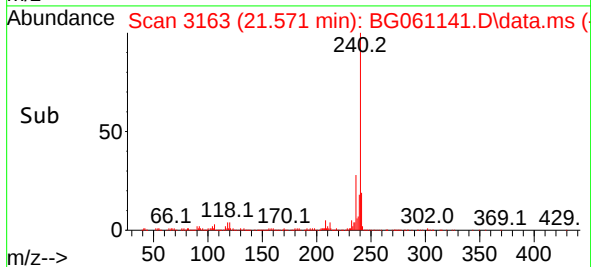
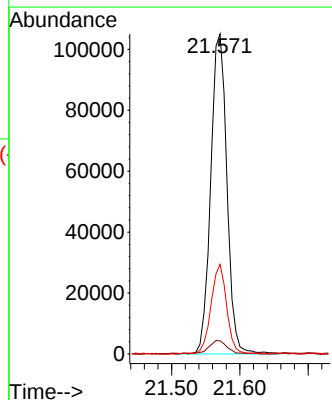
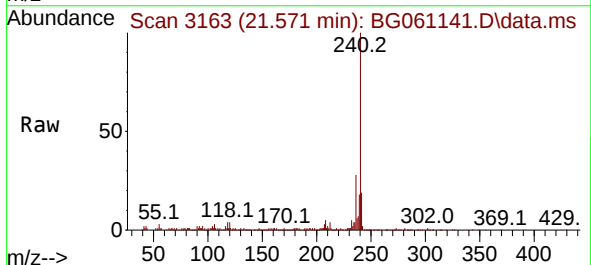
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

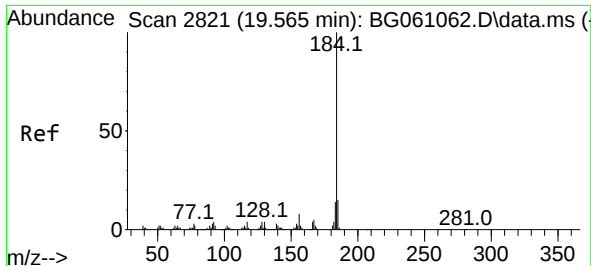
Tgt Ion:248 Resp: 6823
Ion Ratio Lower Upper
248 100
250 209.9 73.0 109.4#
141 391.5 50.8 76.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3163
Delta R.T. -0.022 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:240 Resp: 173618
Ion Ratio Lower Upper
240 100
120 4.1 3.2 4.8
236 28.0 21.0 31.6

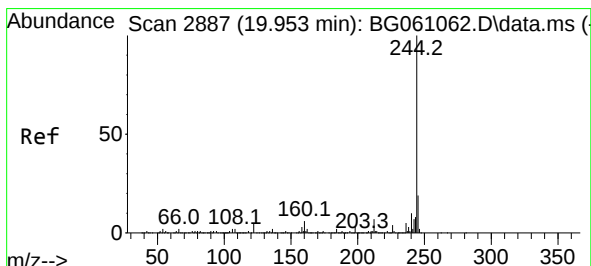
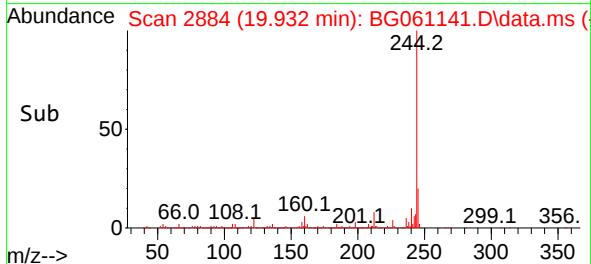
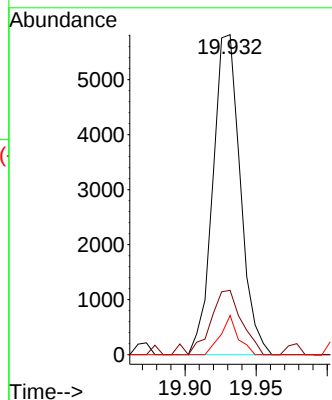
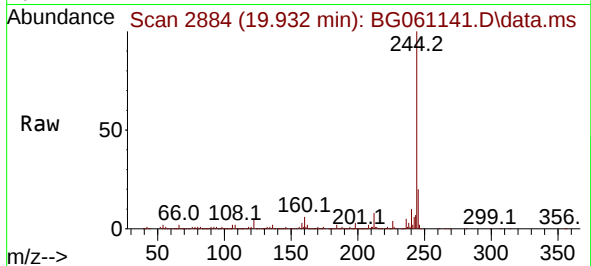




#77
Benzidine
Concen: 5.014 ng
RT: 19.932 min Scan# 2884
Delta R.T. 0.367 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

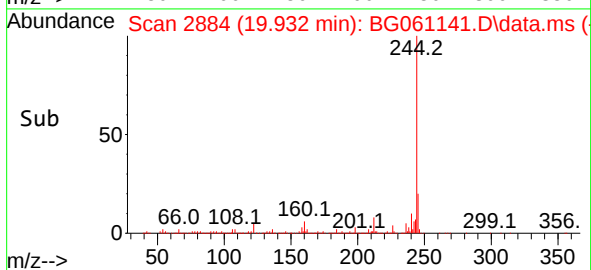
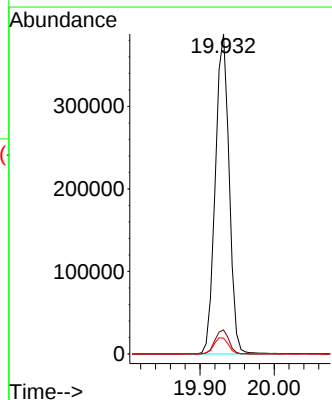
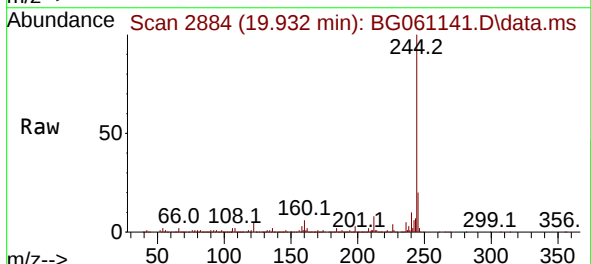
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

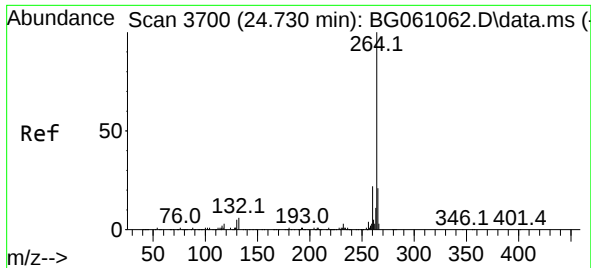
Tgt Ion:184 Resp: 7784
Ion Ratio Lower Upper
184 100
185 20.1 12.0 18.0#
183 12.2 10.9 16.3



#79
Terphenyl-d14
Concen: 48.088 ng
RT: 19.932 min Scan# 2884
Delta R.T. -0.022 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:244 Resp: 502003
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 4.9 4.2 6.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.697 min Scan# 30
 Delta R.T. -0.033 min
 Lab File: BG061141.D
 Acq: 8 May 2024 14:23

Instrument :
 BNA_G
 ClientSampleId :
 TOP-SOIL-2

Tgt Ion:264 Resp: 211919
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.7 26.5
 265 21.6 16.4 24.6

