

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064717.D
 Acq On : 7 Nov 2025 14:53
 Operator : RC/JU
 Sample : Q3537-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Quant Time: Nov 07 15:31:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

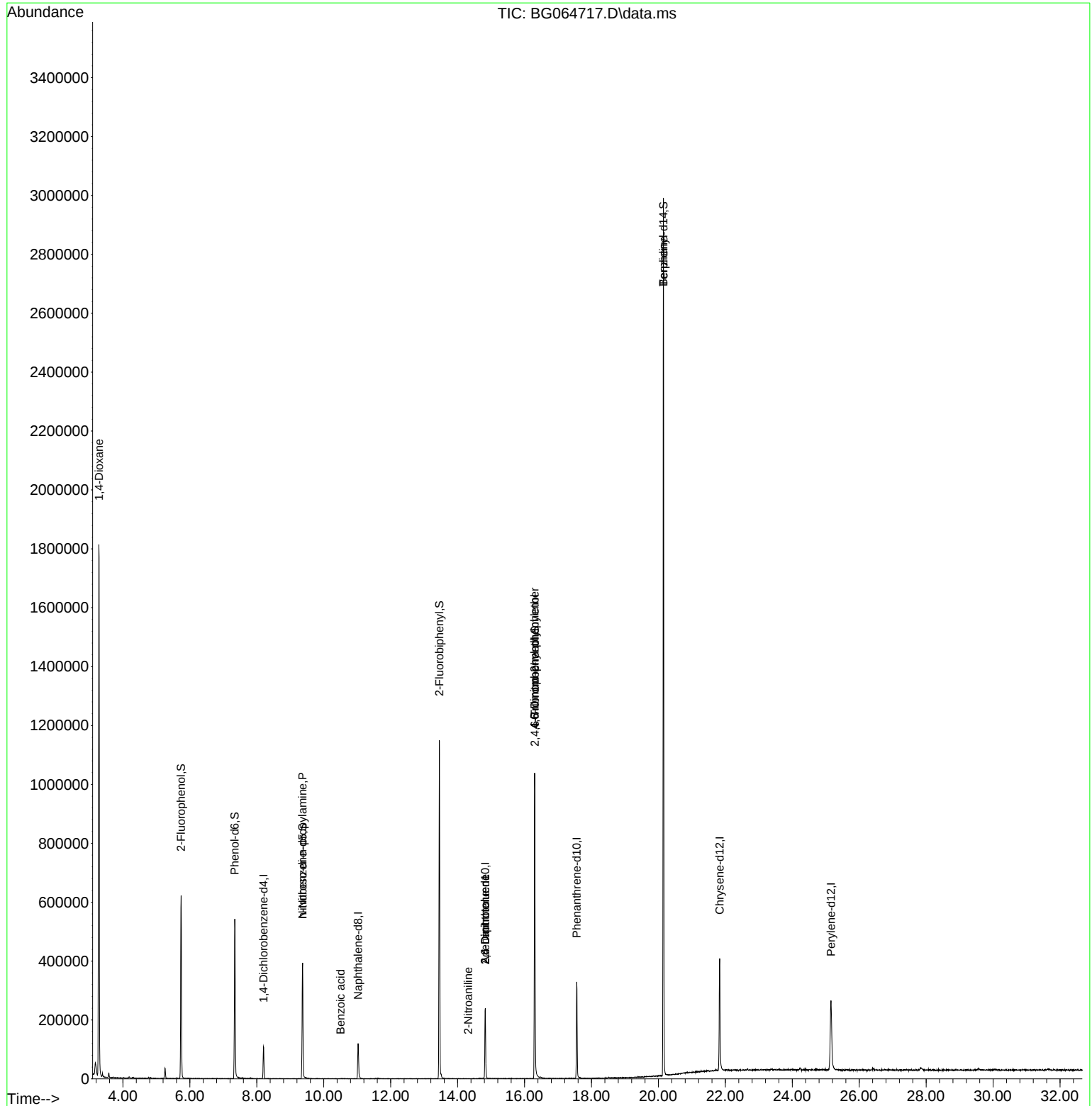
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.199	152	31803	20.000	ng	-0.02
21) Naphthalene-d8	11.025	136	113298	20.000	ng	#-0.02
39) Acenaphthene-d10	14.827	164	95547	20.000	ng	-0.02
64) Phenanthrene-d10	17.559	188	229407	20.000	ng	#-0.02
76) Chrysene-d12	21.830	240	290569	20.000	ng	#-0.03
86) Perylene-d12	25.156	264	317845	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.738	112	252233	133.123	ng	-0.01
7) Phenol-d6	7.342	99	305571	117.529	ng	-0.01
23) Nitrobenzene-d5	9.369	82	228798	121.293	ng	-0.02
42) 2,4,6-Tribromophenol	16.308	330	268685	194.836	ng	-0.01
45) 2-Fluorobiphenyl	13.452	172	637542	101.139	ng	-0.02
79) Terphenyl-d14	20.150	244	1563803	101.565	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.282	88	15161	18.074	ng	# 1
19) n-Nitroso-di-n-propyla...	9.369	70	31821	17.709	ng	# 69
32) Benzoic acid	10.503	122	56	4.798	ng	# 51
48) 2-Nitroaniline	14.322	65	63	3.259	ng	# 10
51) 2,6-Dinitrotoluene	14.827	165	12197	12.631	ng	# 17
57) 2,4-Dinitrotoluene	14.827	165	12197	9.174	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.302	198	488	5.855	ng	76
67) 4-Bromophenyl-phenylether	16.302	248	15637	5.752	ng	# 1
77) Benzidine	20.150	184	22393	3.440	ng	# 91

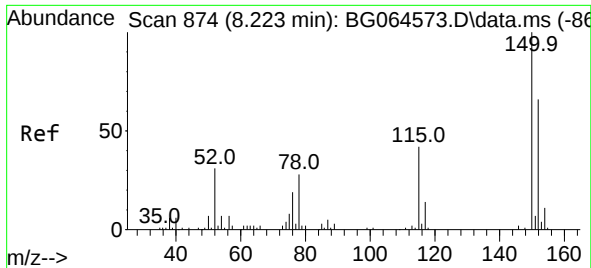
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
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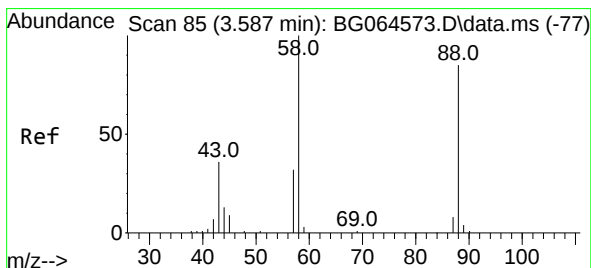
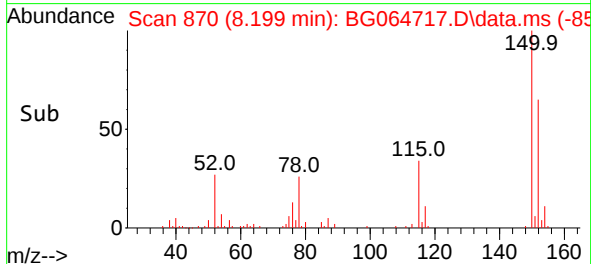
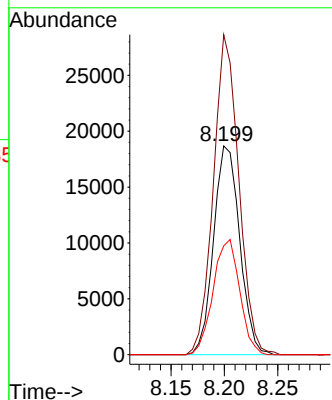
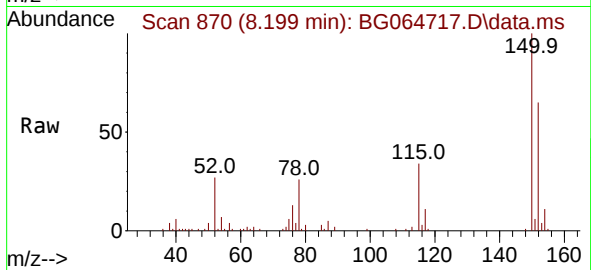




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.199 min Scan# 81
Delta R.T. -0.024 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

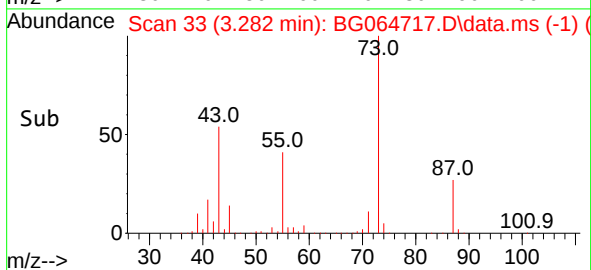
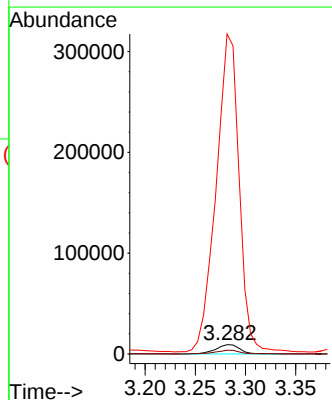
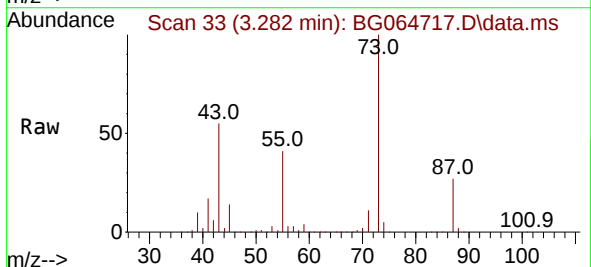
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

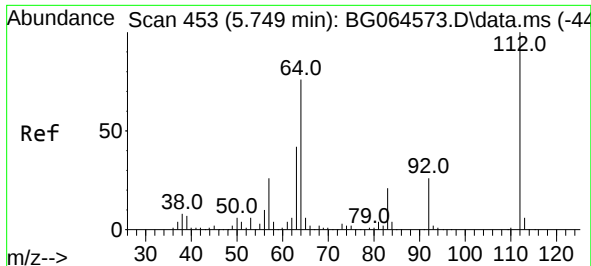
Tgt Ion:152 Resp: 31803
Ion Ratio Lower Upper
152 100
150 153.3 122.2 183.4
115 52.1 50.8 76.2



#2
1,4-Dioxane
Concen: 18.074 ng
RT: 3.282 min Scan# 33
Delta R.T. -0.305 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion: 88 Resp: 15161
Ion Ratio Lower Upper
88 100
58 41.3 92.4 138.6#
43 3315.2 33.0 49.6#

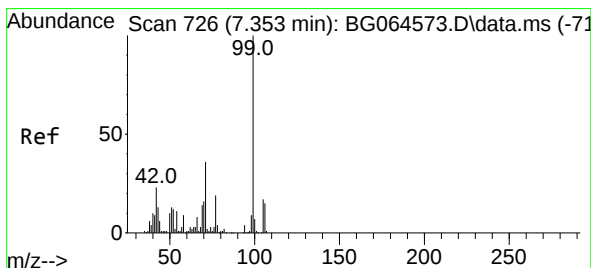
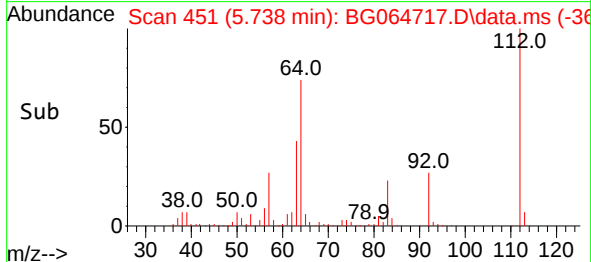
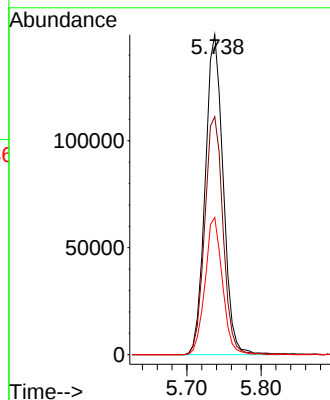
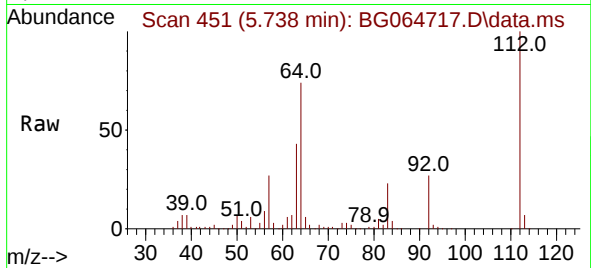




#5
2-Fluorophenol
Concen: 133.123 ng
RT: 5.738 min Scan# 411
Delta R.T. -0.012 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

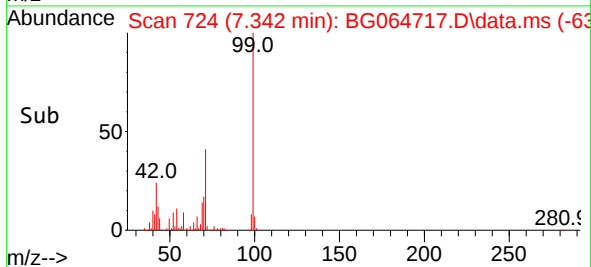
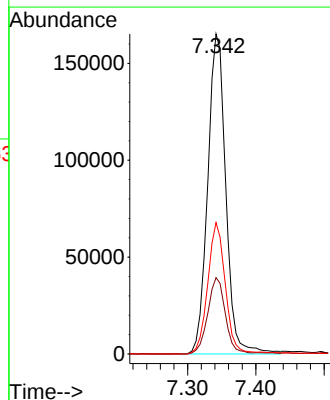
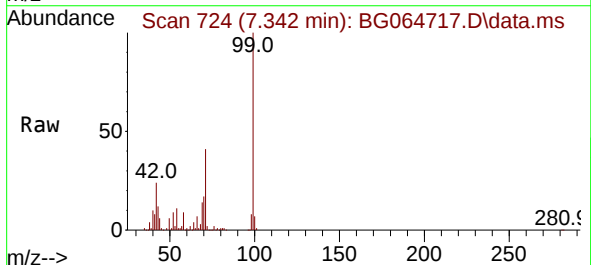
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

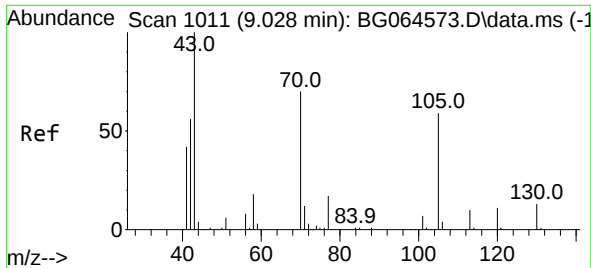
Tgt Ion:112 Resp: 252233
Ion Ratio Lower Upper
112 100
64 74.3 60.7 91.1
63 42.9 33.4 50.0



#7
Phenol-d6
Concen: 117.529 ng
RT: 7.342 min Scan# 724
Delta R.T. -0.012 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion: 99 Resp: 305571
Ion Ratio Lower Upper
99 100
42 23.8 18.3 27.5
71 41.0 28.6 43.0



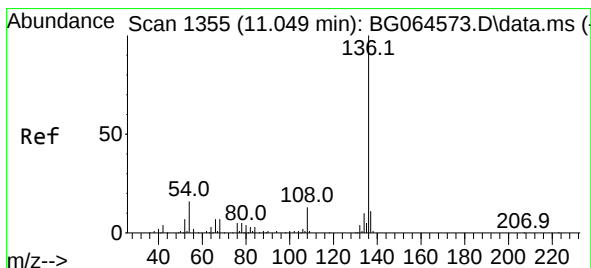
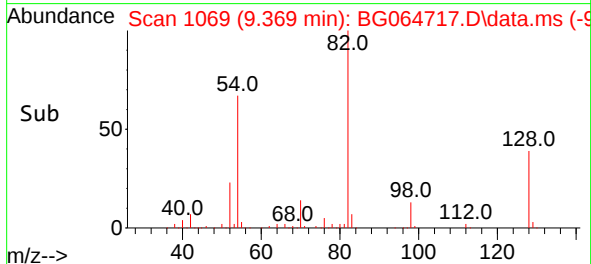
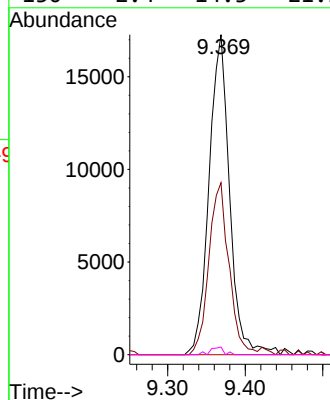
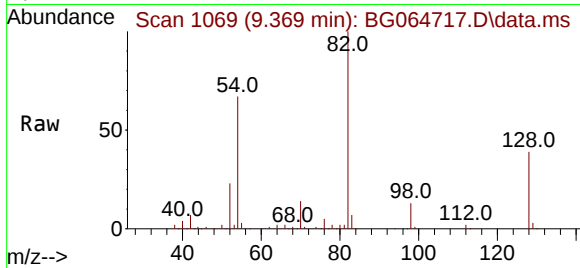


#19
n-Nitroso-di-n-propylamine
Concen: 17.709 ng
RT: 9.369 min Scan# 1069
Delta R.T. 0.341 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

Tgt Ion: 70 Resp: 31821

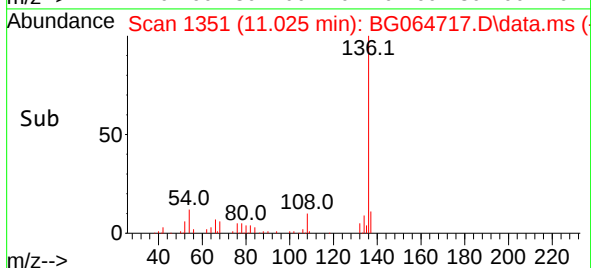
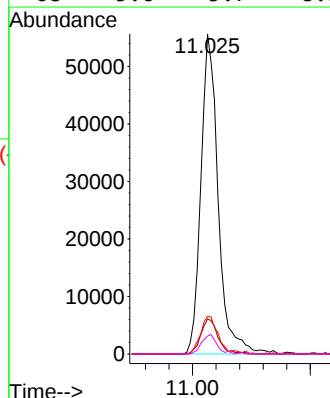
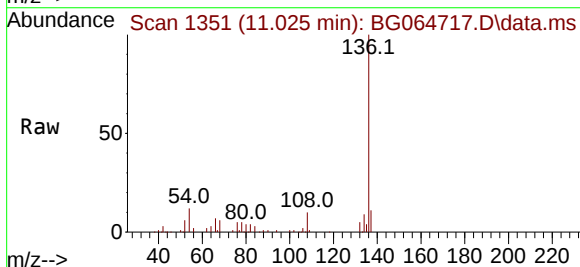
Ion	Ratio	Lower	Upper
70	100		
42	53.8	65.2	97.8#
101	0.0	7.9	11.9#
130	2.4	14.3	21.5#

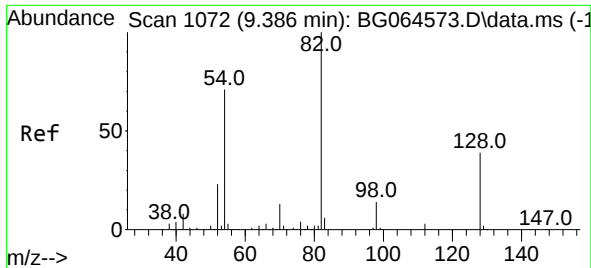


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.025 min Scan# 1351
Delta R.T. -0.024 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion: 136 Resp: 113298

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	11.7	12.6	19.0#
68	5.6	5.7	8.5#

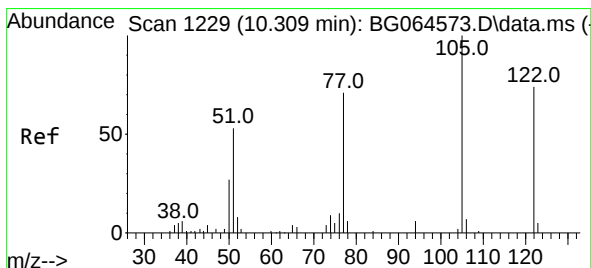
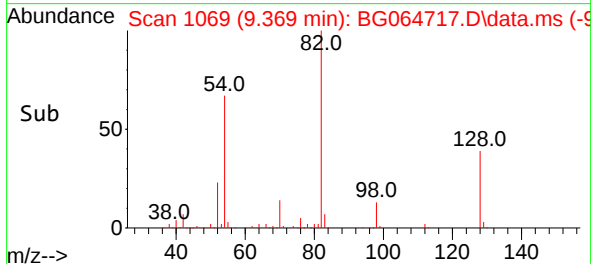
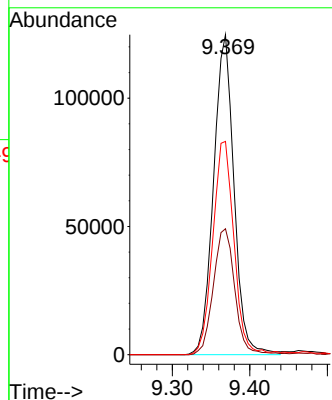
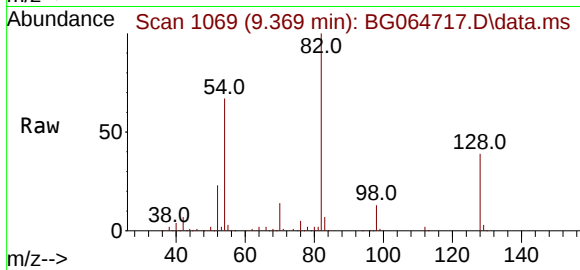




#23
Nitrobenzene-d5
Concen: 121.293 ng
RT: 9.369 min Scan# 1069
Delta R.T. -0.018 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

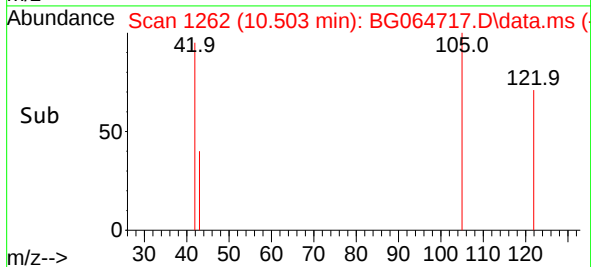
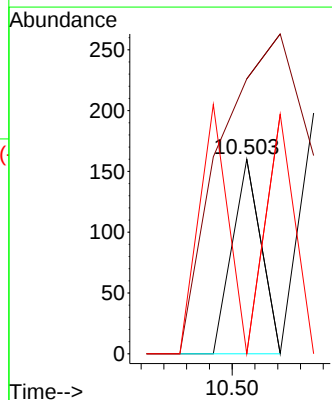
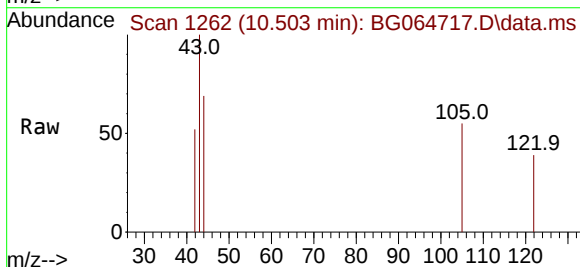
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

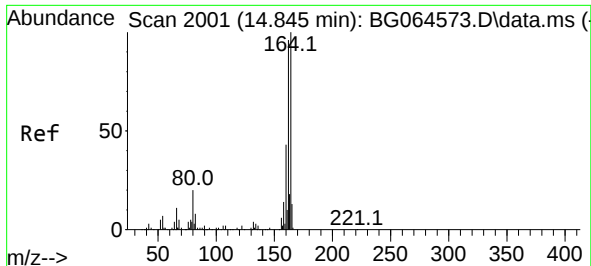
Tgt Ion: 82 Resp: 228798
Ion Ratio Lower Upper
82 100
128 39.3 31.3 46.9
54 66.6 56.6 84.8



#32
Benzoic acid
Concen: 4.798 ng
RT: 10.503 min Scan# 1262
Delta R.T. 0.194 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 141.3 104.2 144.2
77 0.0 70.2 110.2#

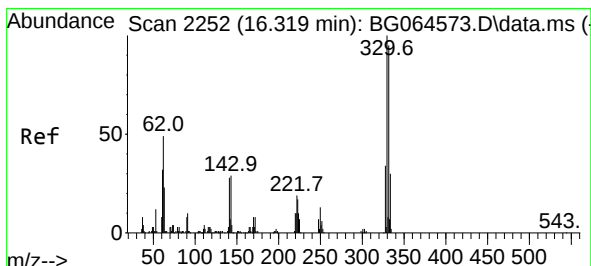
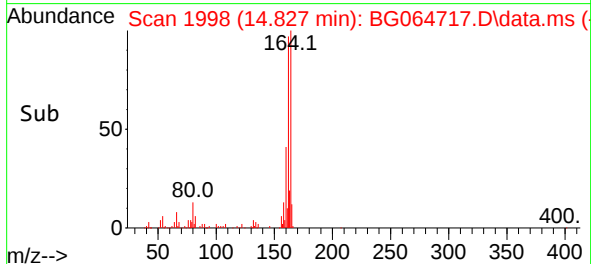
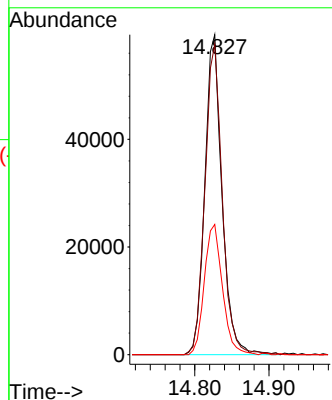
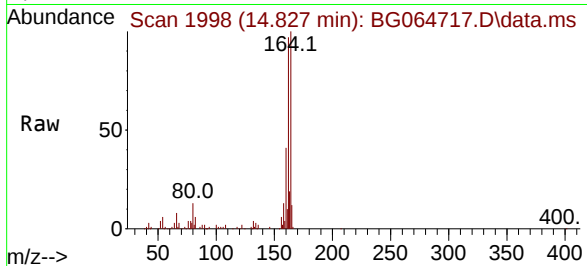




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.827 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

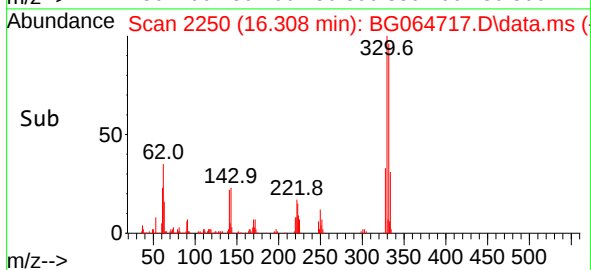
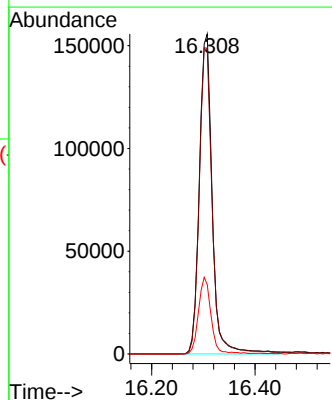
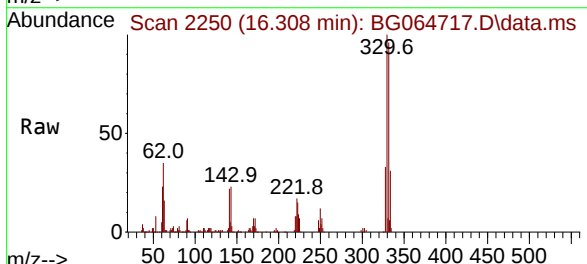
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

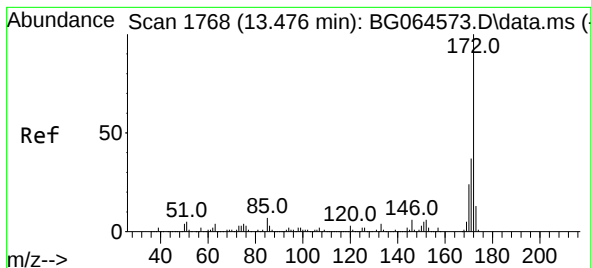
Tgt Ion:164 Resp: 95547
Ion Ratio Lower Upper
164 100
162 96.9 77.0 115.6
160 40.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 194.836 ng
RT: 16.308 min Scan# 2250
Delta R.T. -0.012 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:330 Resp: 268685
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 23.3 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 101.139 ng

RT: 13.452 min Scan# 1

Delta R.T. -0.023 min

Lab File: BG064717.D

Acq: 7 Nov 2025 14:53

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

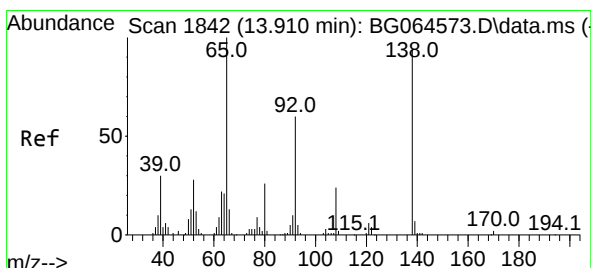
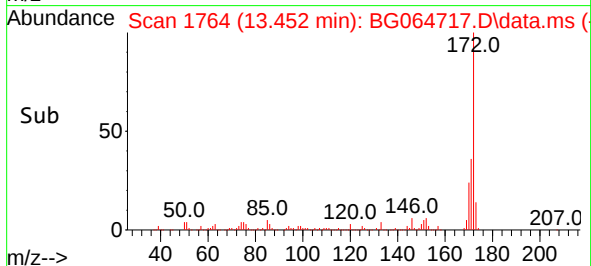
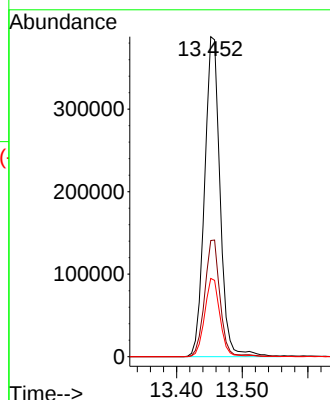
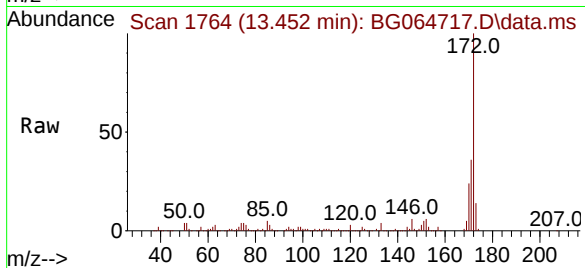
Tgt Ion:172 Resp: 637542

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

170 24.5 19.1 28.7



#48

2-Nitroaniline

Concen: 3.259 ng

RT: 14.322 min Scan# 1912

Delta R.T. 0.412 min

Lab File: BG064717.D

Acq: 7 Nov 2025 14:53

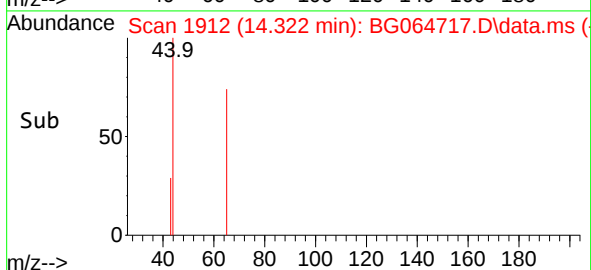
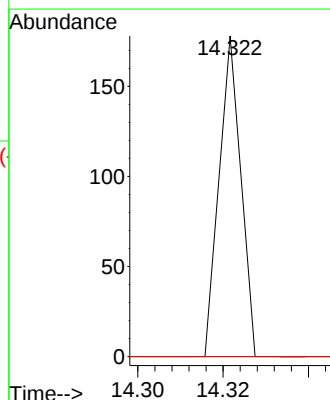
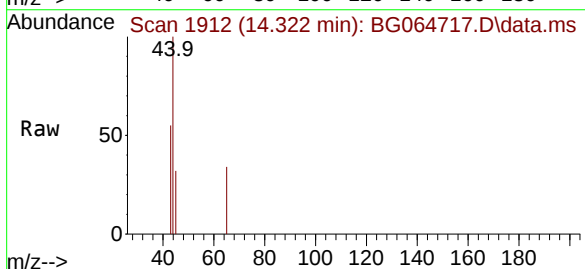
Tgt Ion: 65 Resp: 63

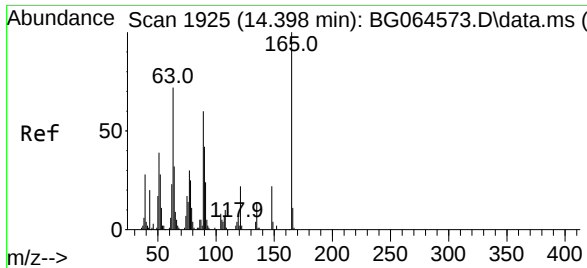
Ion Ratio Lower Upper

65 100

92 0.0 48.3 72.5#

138 0.0 74.9 112.3#

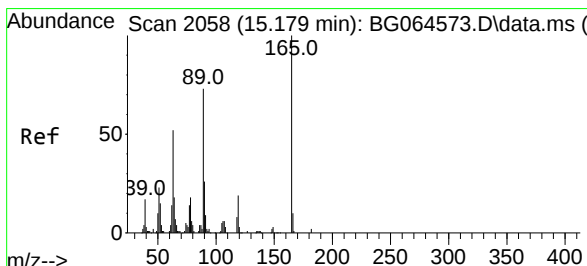
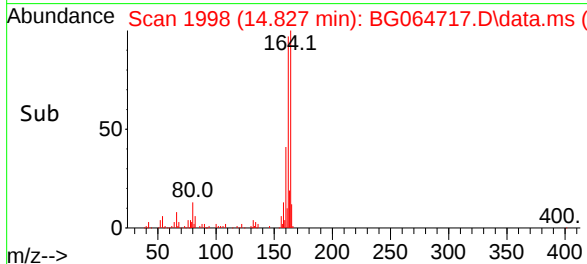
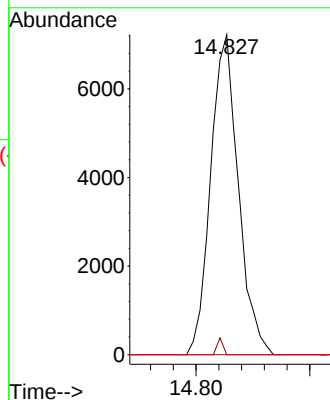
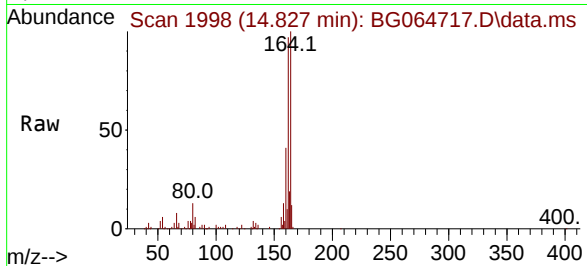




#51
2,6-Dinitrotoluene
Concen: 12.631 ng
RT: 14.827 min Scan# 1998
Delta R.T. 0.429 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

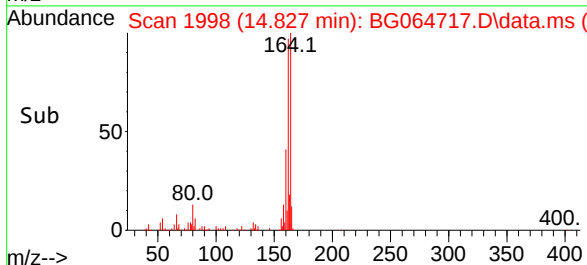
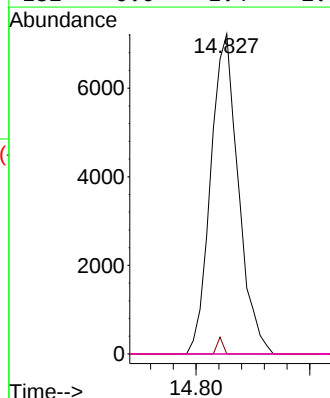
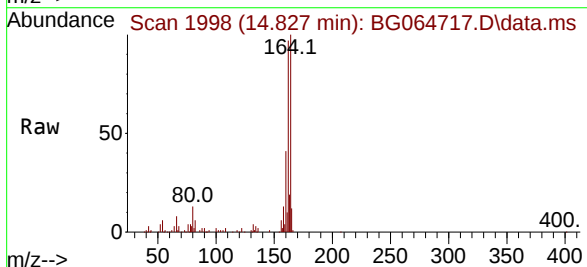
Instrument :
BNA_G
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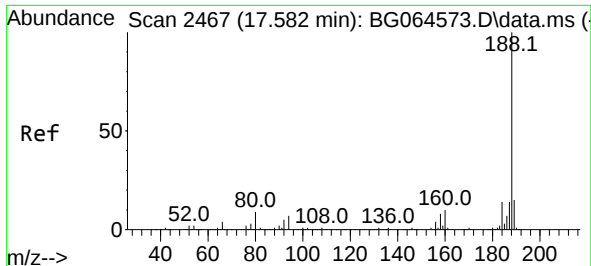
Tgt Ion:165 Resp: 12197
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.174 ng
RT: 14.827 min Scan# 1998
Delta R.T. -0.352 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:165 Resp: 12197
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#

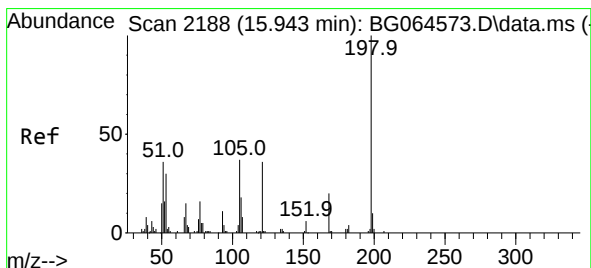
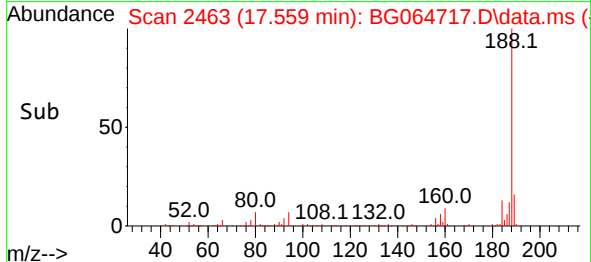
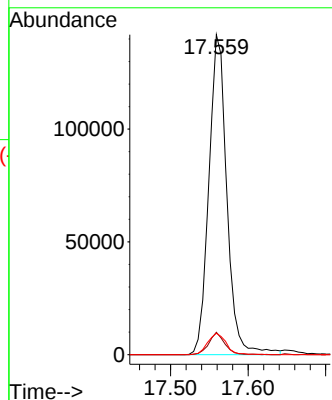
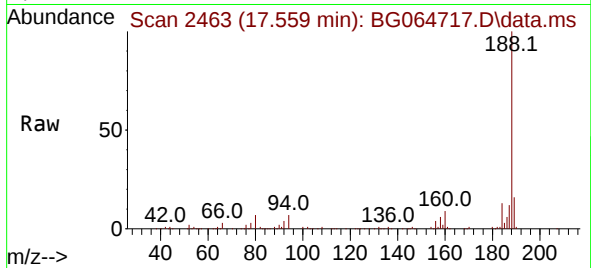




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.559 min Scan# 2463
Delta R.T. -0.023 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

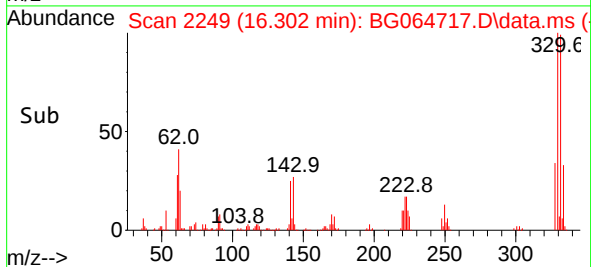
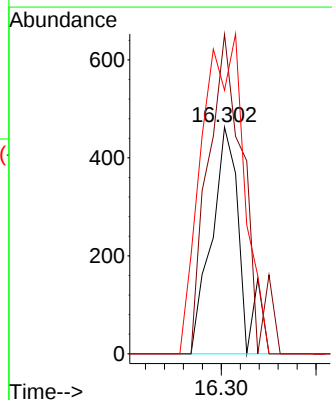
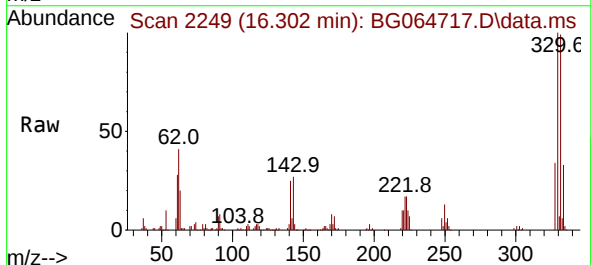
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

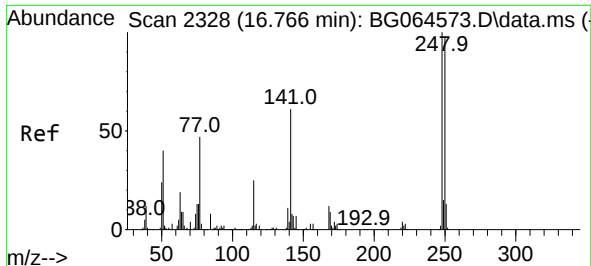
Tgt Ion:188 Resp: 229407
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 6.7 6.8 10.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.855 ng
RT: 16.302 min Scan# 2249
Delta R.T. 0.359 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:198 Resp: 488
Ion Ratio Lower Upper
198 100
51 28.6 24.7 64.7
105 23.6 18.0 58.0

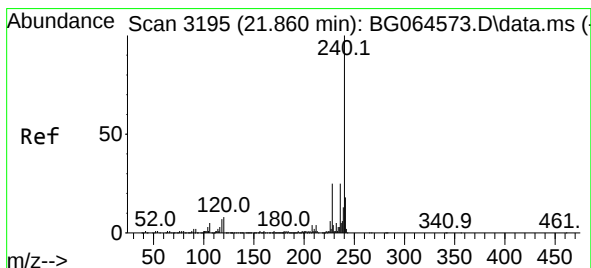
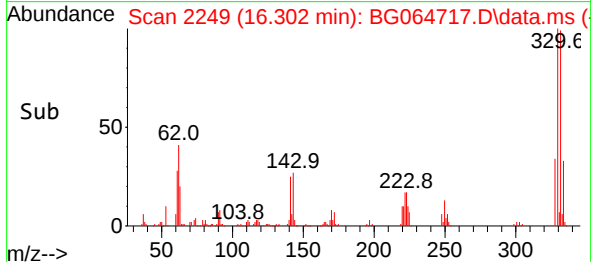
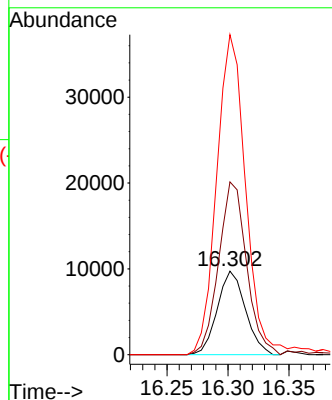
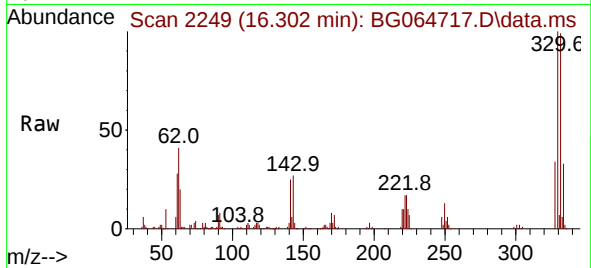




#67
4-Bromophenyl-phenylether
Concen: 5.752 ng
RT: 16.302 min Scan# 21
Delta R.T. -0.464 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

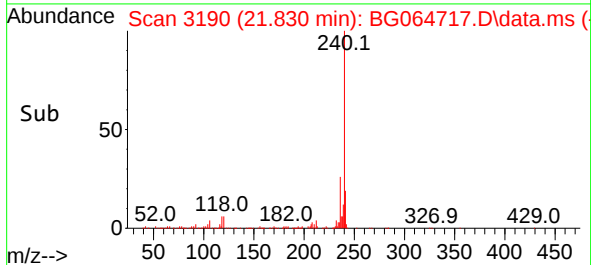
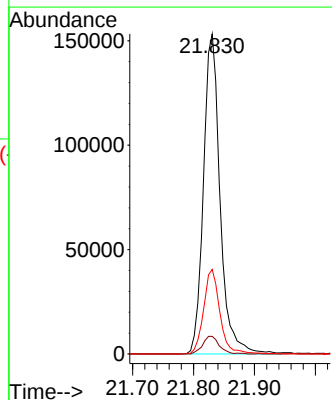
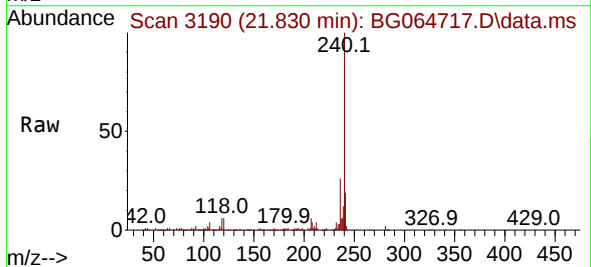
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

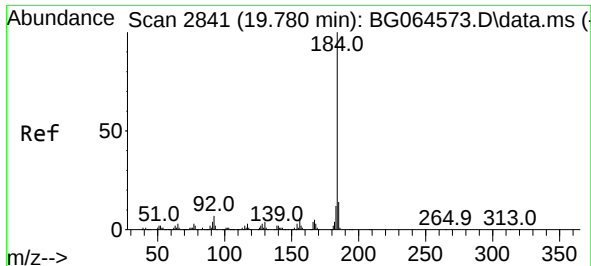
Tgt Ion:248 Resp: 15637
Ion Ratio Lower Upper
248 100
250 196.7 77.7 116.5#
141 281.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.830 min Scan# 3190
Delta R.T. -0.029 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:240 Resp: 290569
Ion Ratio Lower Upper
240 100
120 5.5 6.5 9.7#
236 26.5 20.2 30.2

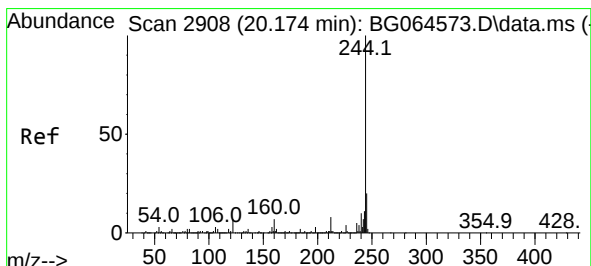
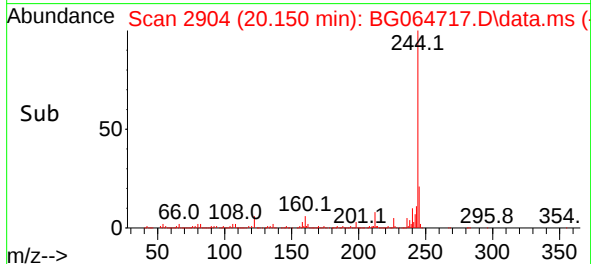
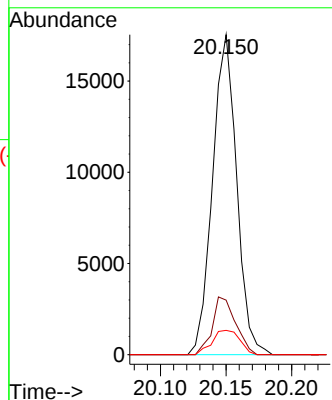
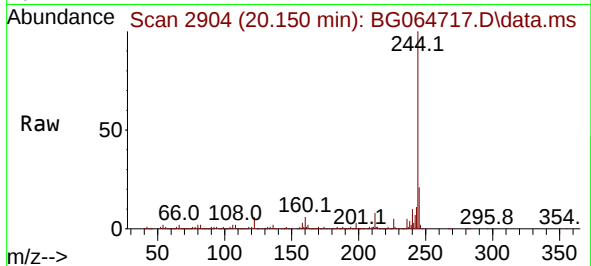




#77
Benzidine
Concen: 3.440 ng
RT: 20.150 min Scan# 2904
Delta R.T. 0.370 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

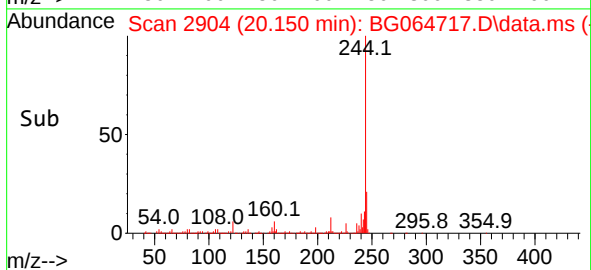
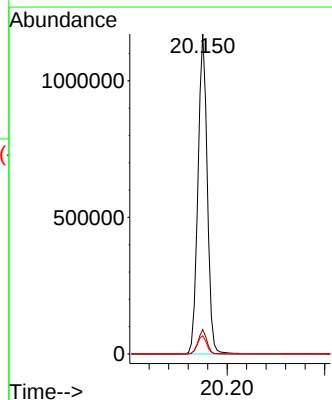
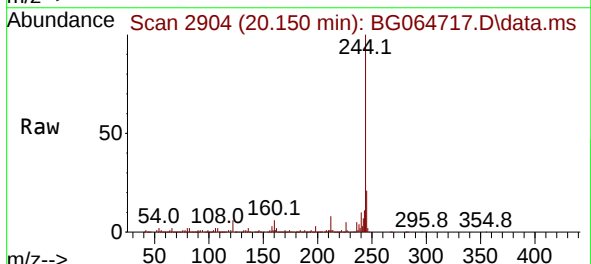
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

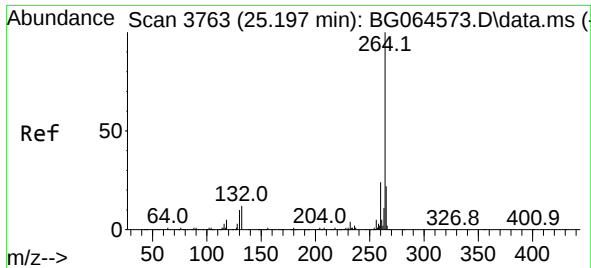
Tgt Ion:184 Resp: 22393
Ion Ratio Lower Upper
184 100
185 17.1 11.4 17.2
183 7.6 9.4 14.2#



#79
Terphenyl-d14
Concen: 101.565 ng
RT: 20.150 min Scan# 2904
Delta R.T. -0.023 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:244 Resp: 1563803
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 5.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.156 min Scan# 31
 Delta R.T. -0.041 min
 Lab File: BG064717.D
 Acq: 7 Nov 2025 14:53

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Tgt Ion:264 Resp: 317845
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.6 17.6 26.4

