

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110525\
 Data File : BG064693.D
 Acq On : 5 Nov 2025 20:07
 Operator : RC/JU
 Sample : Q3537-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Quant Time: Nov 06 00:09:56 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)

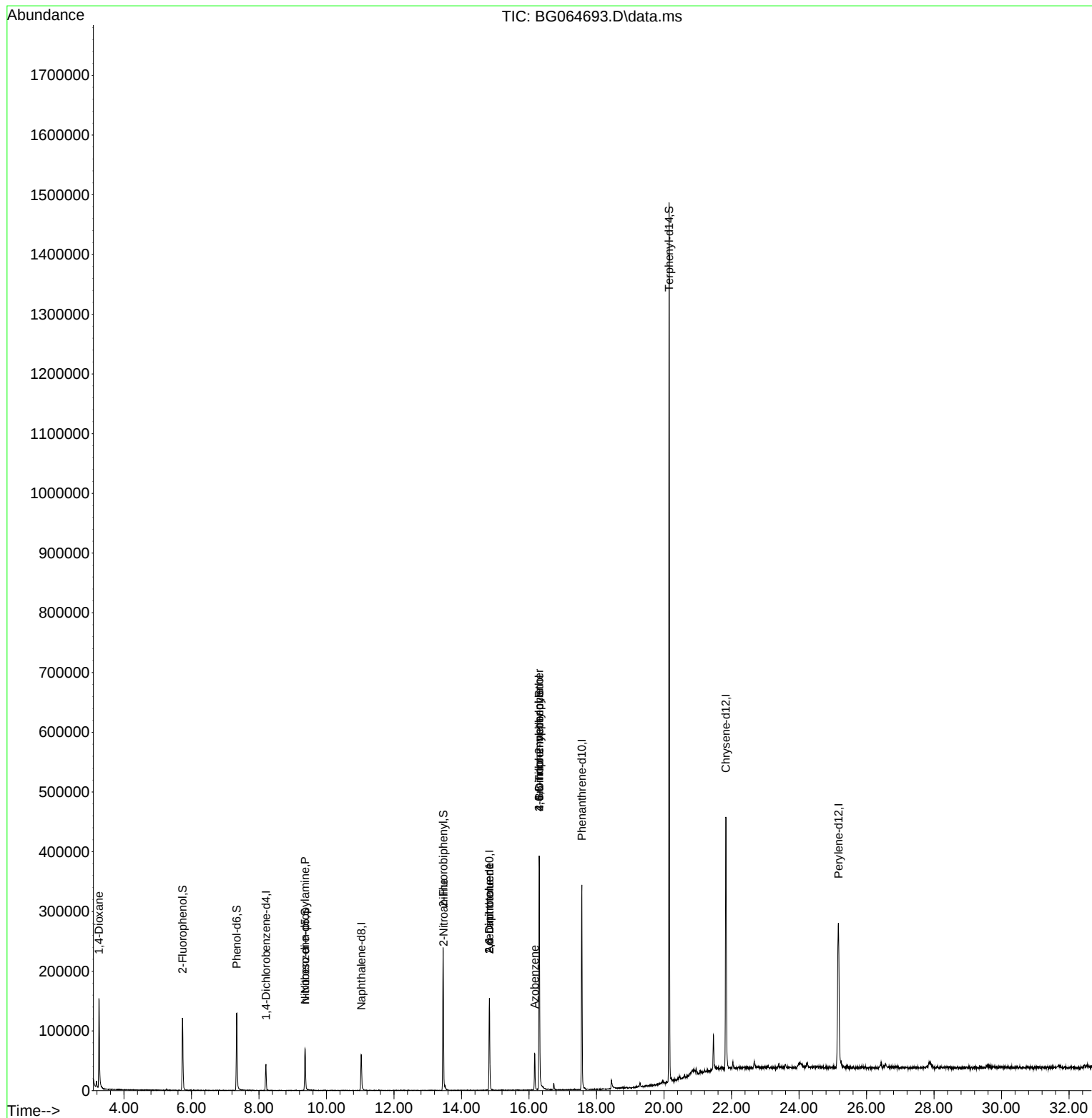
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.206	152	12832	20.000	ng	-0.02
21) Naphthalene-d8	11.032	136	57849	20.000	ng	#-0.02
39) Acenaphthene-d10	14.827	164	61912	20.000	ng	-0.02
64) Phenanthrene-d10	17.565	188	239429	20.000	ng	-0.02
76) Chrysene-d12	21.831	240	316521	20.000	ng	#-0.03
86) Perylene-d12	25.168	264	317412	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.732	112	54981	71.918	ng	-0.02
7) Phenol-d6	7.342	99	78193	74.537	ng	-0.01
23) Nitrobenzene-d5	9.363	82	42744	44.380	ng	-0.02
42) 2,4,6-Tribromophenol	16.302	330	98039	109.715	ng	-0.02
45) 2-Fluorobiphenyl	13.458	172	147179	36.033	ng	-0.02
79) Terphenyl-d14	20.151	244	803027	47.878	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.259	88	1307	3.862	ng	# 1
19) n-Nitroso-di-n-propyla...	9.363	70	5648	7.790	ng	# 77
48) 2-Nitroaniline	13.464	65	246	3.431	ng	# 8
51) 2,6-Dinitrotoluene	14.827	165	8013	12.762	ng	# 19
57) 2,4-Dinitrotoluene	14.827	165	8013	9.259	ng	# 22
63) Azobenzene	16.167	77	19915	4.487	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.302	198	218	5.610	ng	# 1
67) 4-Bromophenyl-phenylether	16.302	248	5955	2.099	ng	# 1

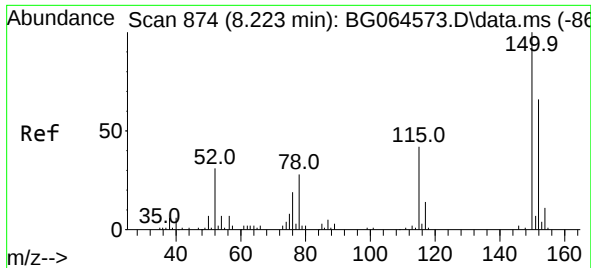
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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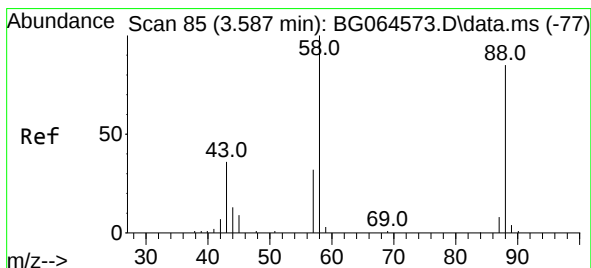
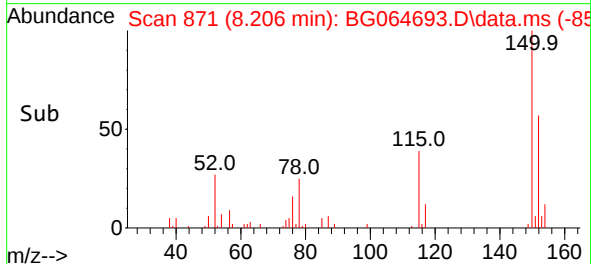
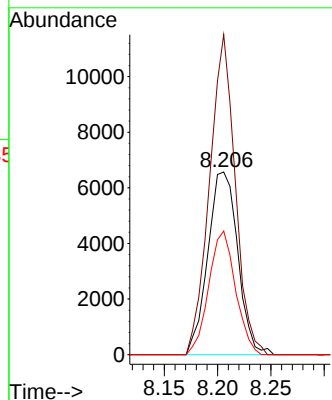
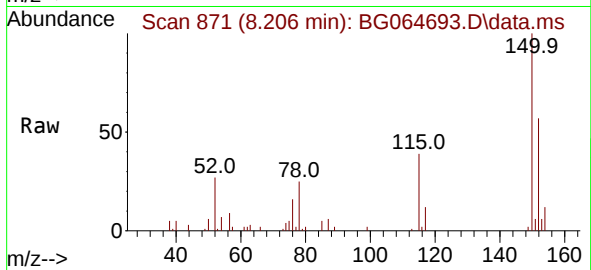




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.206 min Scan# 81
 Delta R.T. -0.017 min
 Lab File: BG064693.D
 Acq: 5 Nov 2025 20:07

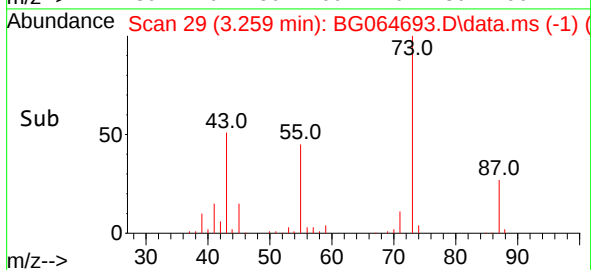
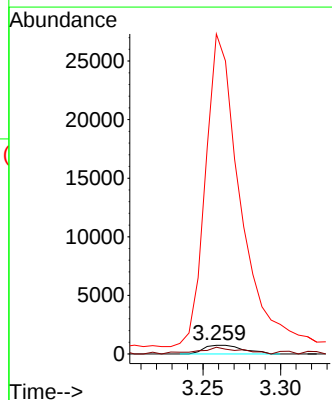
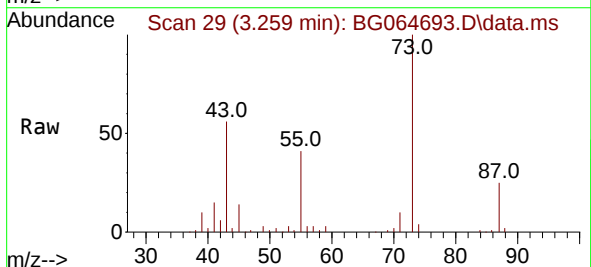
Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

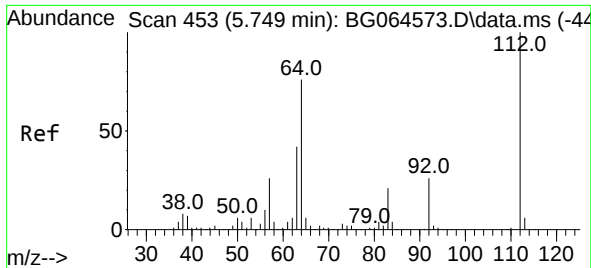
Tgt Ion:152 Resp: 12832
 Ion Ratio Lower Upper
 152 100
 150 175.2 122.2 183.4
 115 67.7 50.8 76.2



#2
 1,4-Dioxane
 Concen: 3.862 ng
 RT: 3.259 min Scan# 29
 Delta R.T. -0.329 min
 Lab File: BG064693.D
 Acq: 5 Nov 2025 20:07

Tgt Ion: 88 Resp: 1307
 Ion Ratio Lower Upper
 88 100
 58 86.4 92.4 138.6#
 43 3262.1 33.0 49.6#

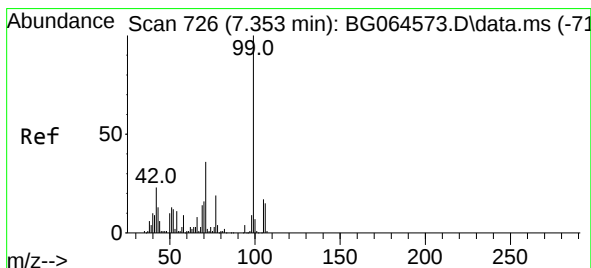
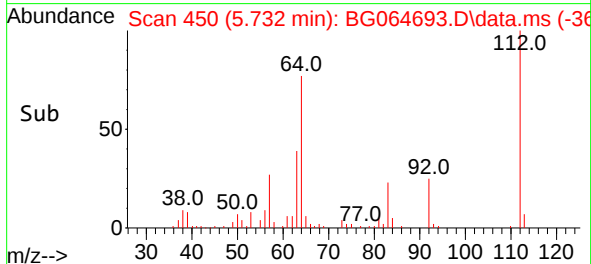
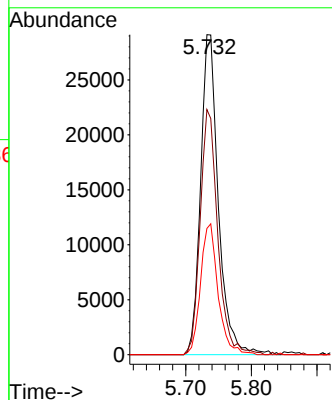
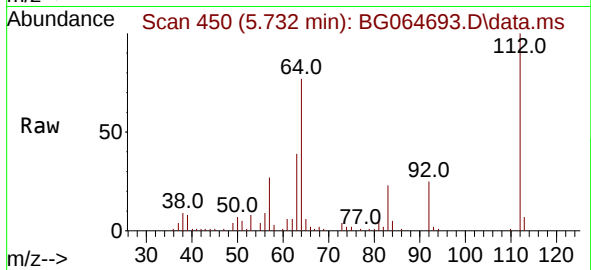




#5
2-Fluorophenol
Concen: 71.918 ng
RT: 5.732 min Scan# 411
Delta R.T. -0.017 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

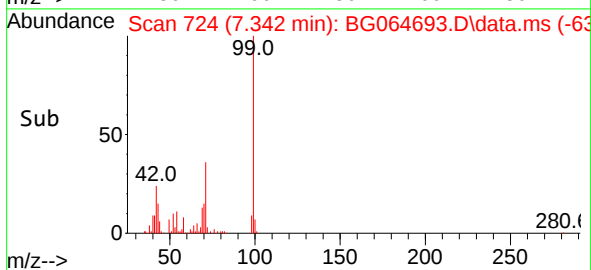
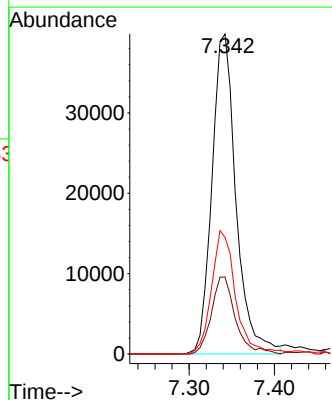
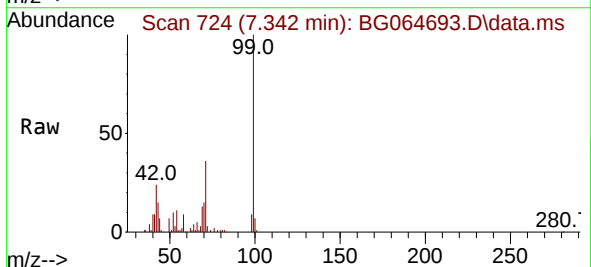
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

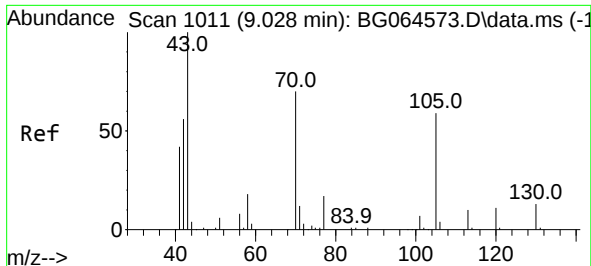
Tgt Ion:112 Resp: 54981
Ion Ratio Lower Upper
112 100
64 76.6 60.7 91.1
63 39.5 33.4 50.0



#7
Phenol-d6
Concen: 74.537 ng
RT: 7.342 min Scan# 724
Delta R.T. -0.011 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

Tgt Ion: 99 Resp: 78193
Ion Ratio Lower Upper
99 100
42 24.1 18.3 27.5
71 36.5 28.6 43.0





#19

n-Nitroso-di-n-propylamine

Concen: 7.790 ng

RT: 9.363 min Scan# 1068

Delta R.T. 0.335 min

Lab File: BG064693.D

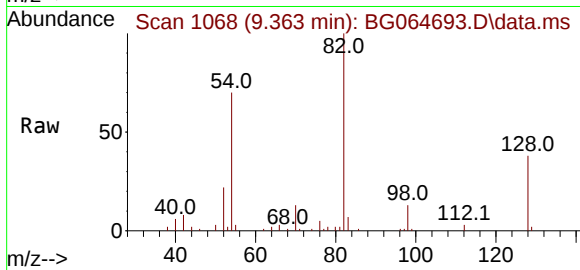
Acq: 5 Nov 2025 20:07

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL



Tgt Ion: 70 Resp: 5648

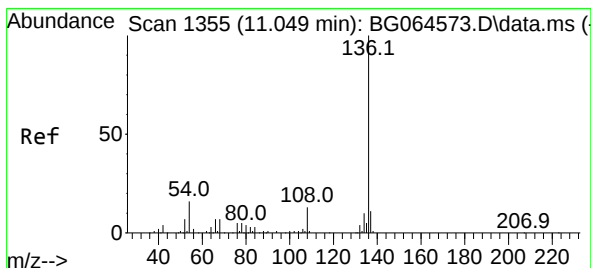
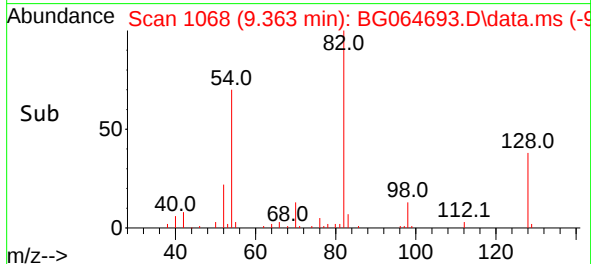
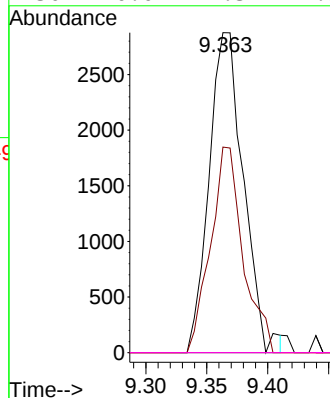
Ion Ratio Lower Upper

70 100

42 64.3 65.2 97.8#

101 0.0 7.9 11.9#

130 0.0 14.3 21.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.032 min Scan# 1352

Delta R.T. -0.017 min

Lab File: BG064693.D

Acq: 5 Nov 2025 20:07

Tgt Ion: 136 Resp: 57849

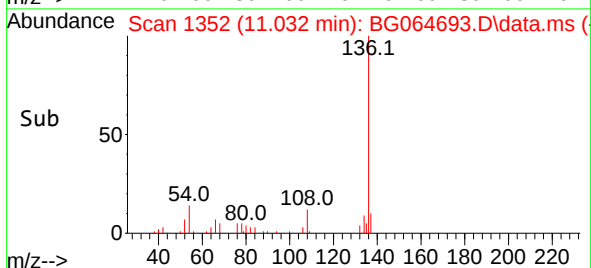
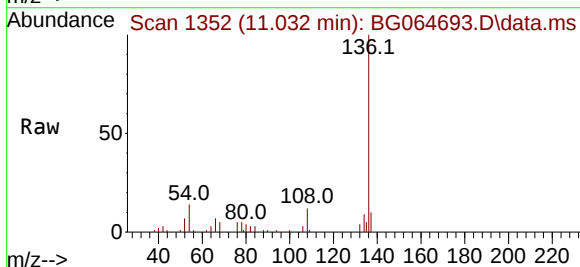
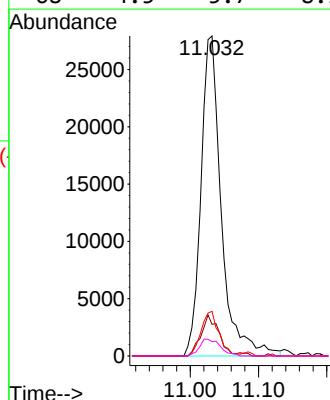
Ion Ratio Lower Upper

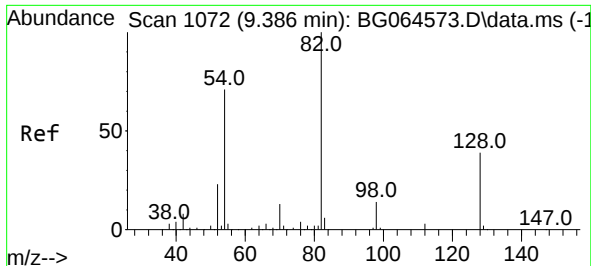
136 100

137 9.9 9.2 13.8

54 14.0 12.6 19.0

68 4.5 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 44.380 ng

RT: 9.363 min Scan# 1068

Delta R.T. -0.023 min

Lab File: BG064693.D

Acq: 5 Nov 2025 20:07

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

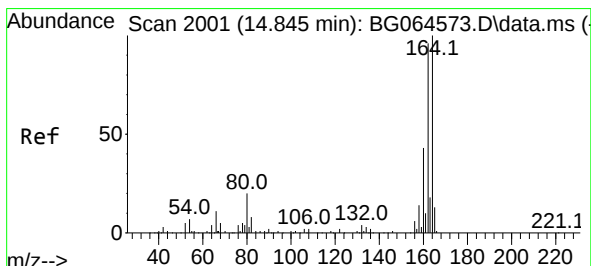
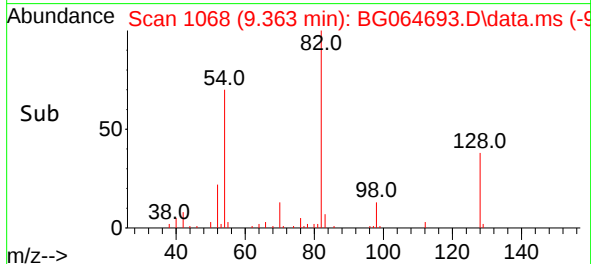
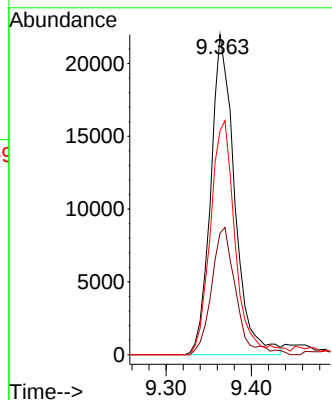
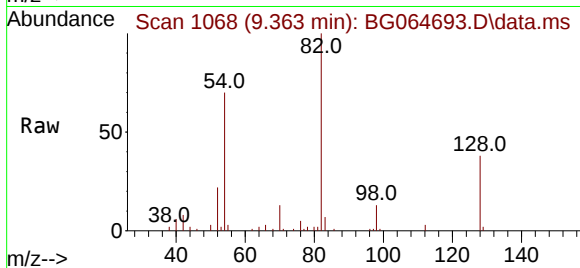
Tgt Ion: 82 Resp: 42744

Ion Ratio Lower Upper

82 100

128 38.0 31.3 46.9

54 70.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.827 min Scan# 1998

Delta R.T. -0.017 min

Lab File: BG064693.D

Acq: 5 Nov 2025 20:07

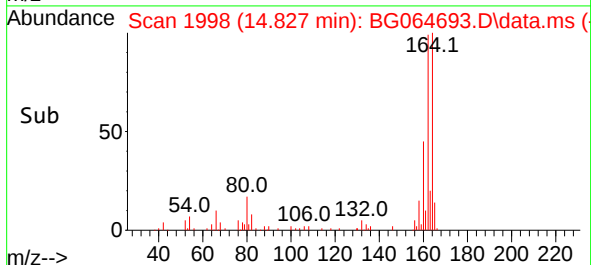
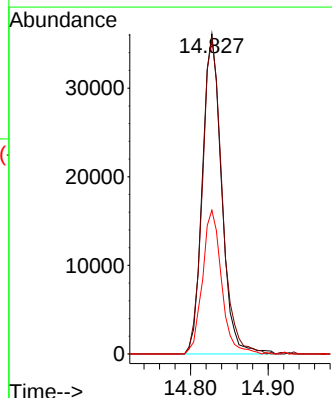
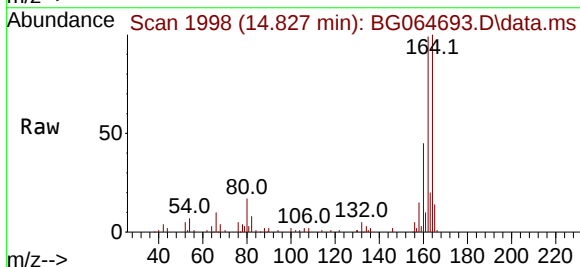
Tgt Ion: 164 Resp: 61912

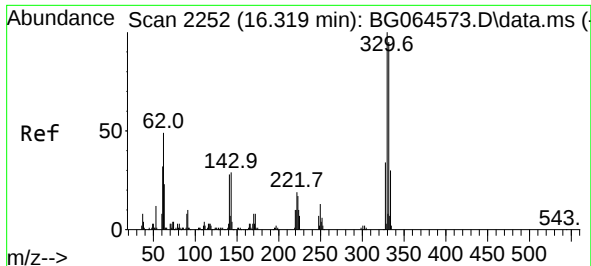
Ion Ratio Lower Upper

164 100

162 98.6 77.0 115.6

160 44.9 34.4 51.6

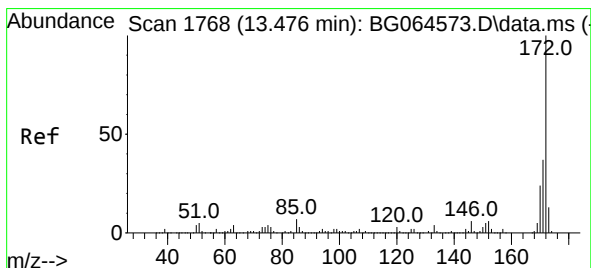
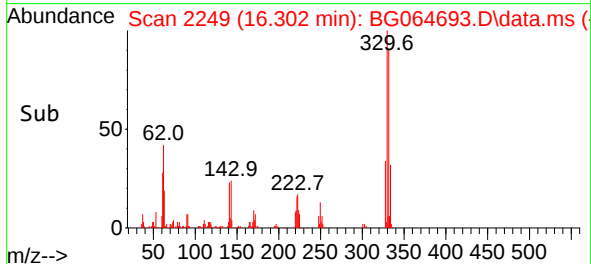
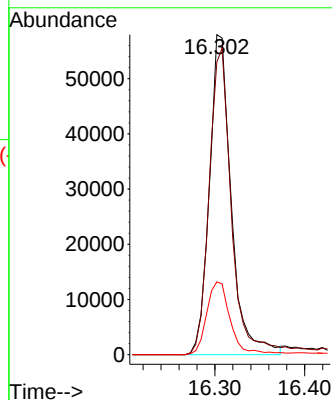
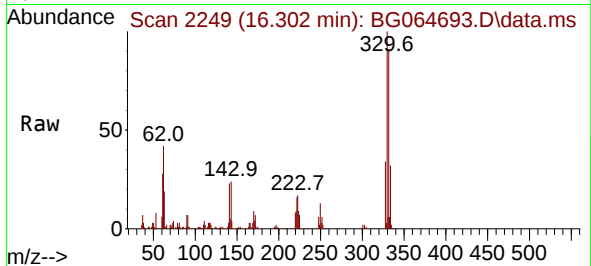




#42
2,4,6-Tribromophenol
Concen: 109.715 ng
RT: 16.302 min Scan# 21
Delta R.T. -0.017 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

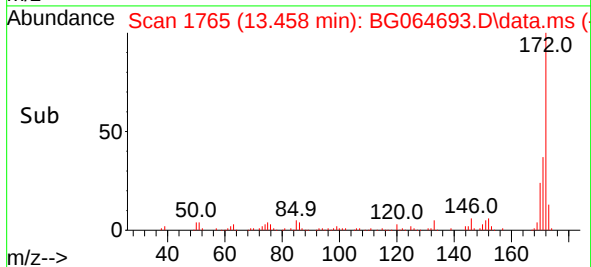
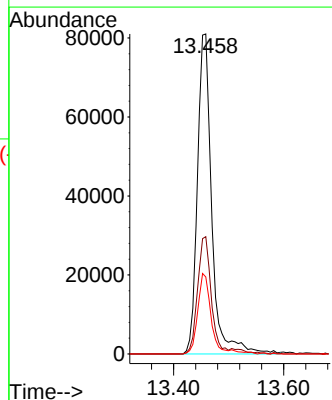
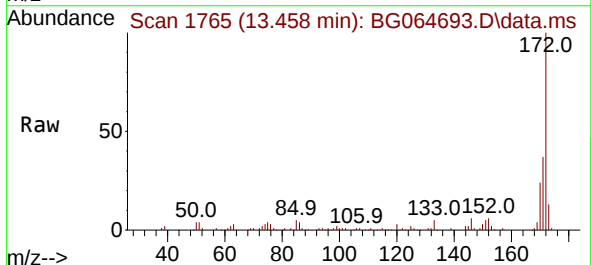
Instrument :
BNA_G
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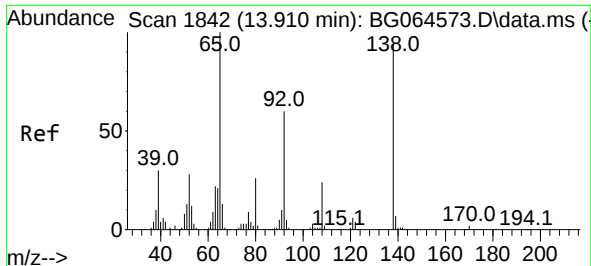
Tgt Ion:330 Resp: 98039
Ion Ratio Lower Upper
330 100
332 99.2 78.0 117.0
141 24.7 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 36.033 ng
RT: 13.458 min Scan# 1765
Delta R.T. -0.017 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

Tgt Ion:172 Resp: 147179
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.0 19.1 28.7

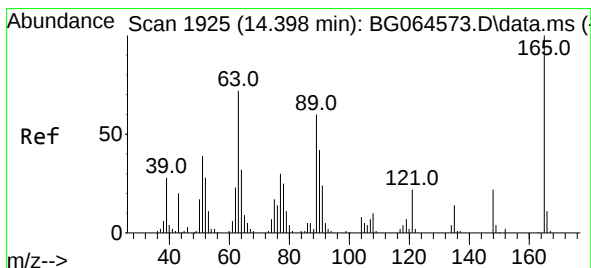
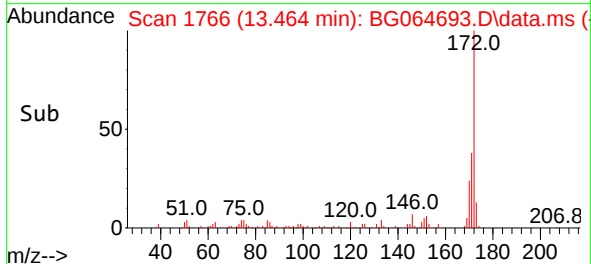
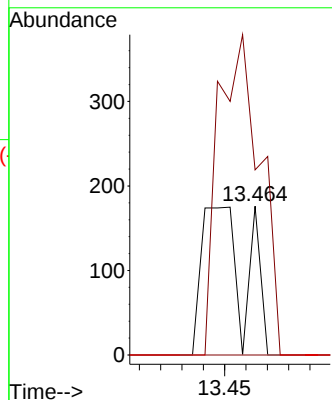
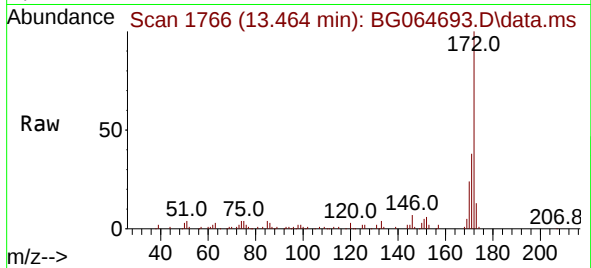




#48
2-Nitroaniline
Concen: 3.431 ng
RT: 13.464 min Scan# 1
Delta R.T. -0.446 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

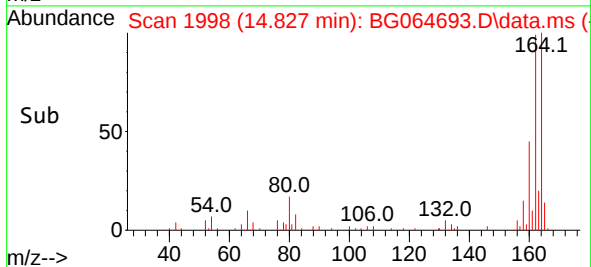
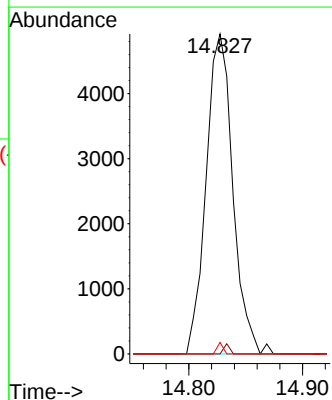
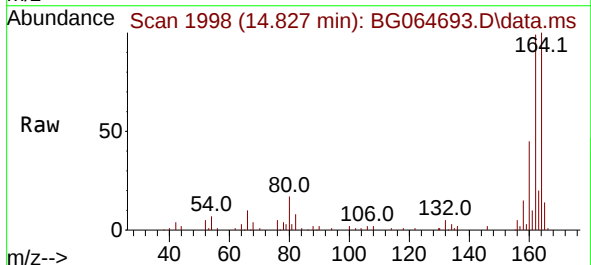
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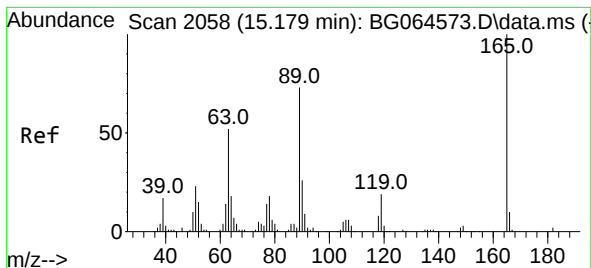
Tgt Ion: 65 Resp: 246
Ion Ratio Lower Upper
65 100
92 124.4 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.762 ng
RT: 14.827 min Scan# 1998
Delta R.T. 0.429 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

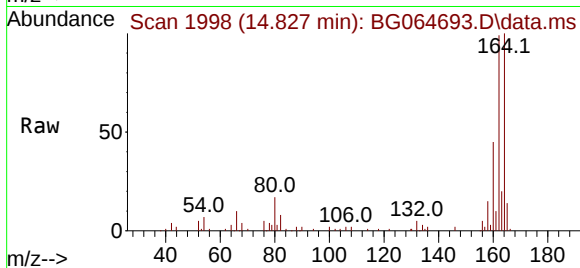
Tgt Ion: 165 Resp: 8013
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 3.6 47.8 71.8#



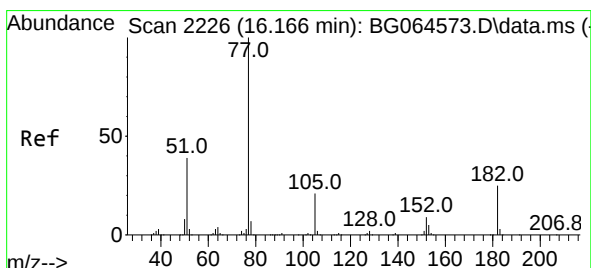
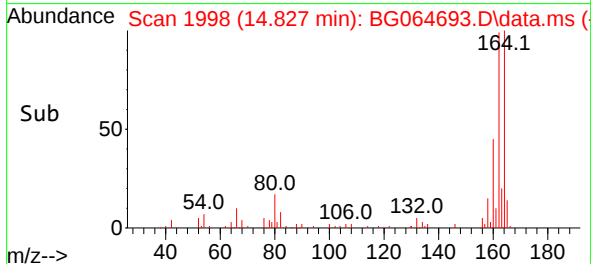
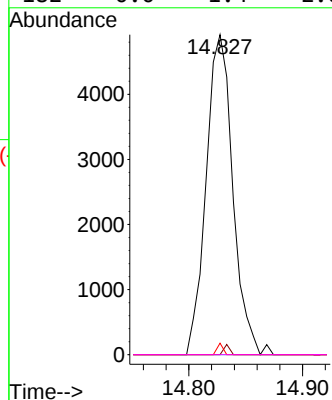


#57
2,4-Dinitrotoluene
Concen: 9.259 ng
RT: 14.827 min Scan# 1998
Delta R.T. -0.352 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

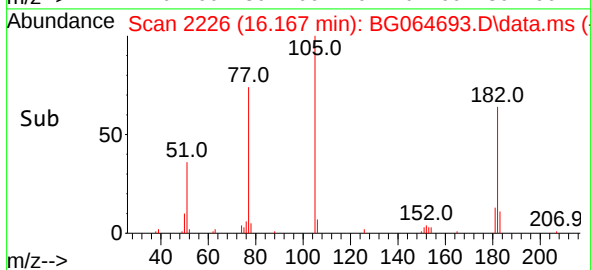
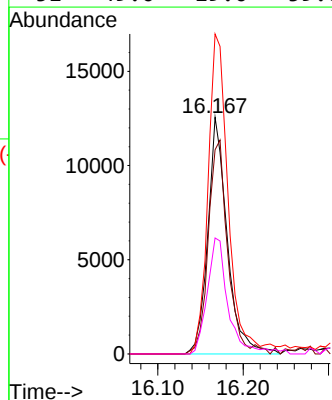
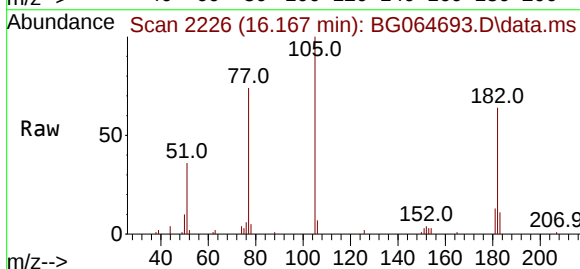


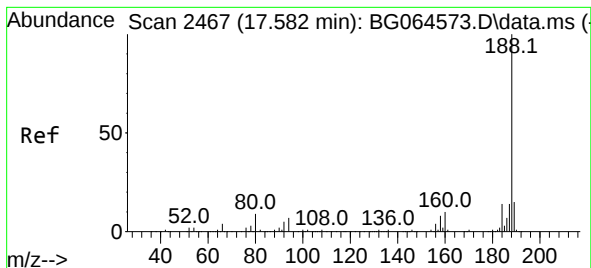
Tgt Ion:165 Resp: 8013
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 3.6 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 4.487 ng
RT: 16.167 min Scan# 2226
Delta R.T. 0.001 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

Tgt Ion: 77 Resp: 19915
Ion Ratio Lower Upper
77 100
182 86.3 4.9 44.9#
105 135.3 1.3 41.3#
51 49.0 19.0 59.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.565 min Scan# 24

Delta R.T. -0.017 min

Lab File: BG064693.D

Acq: 5 Nov 2025 20:07

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

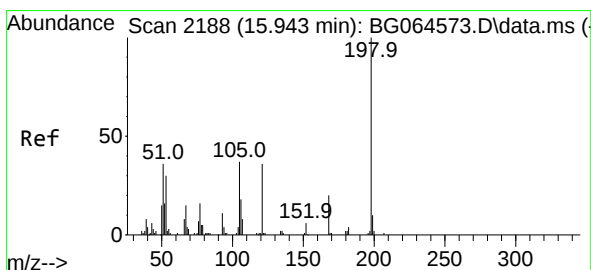
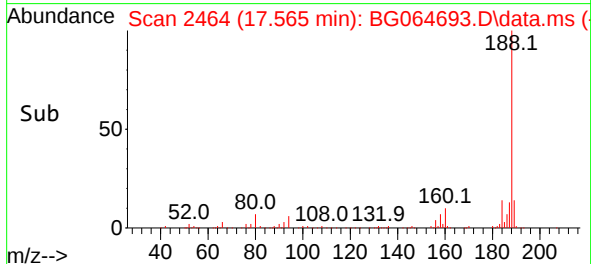
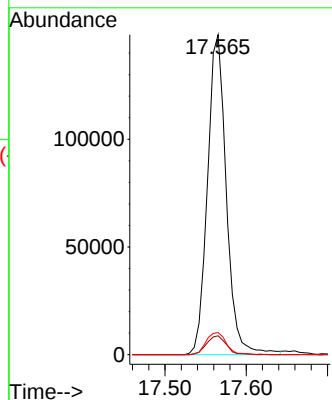
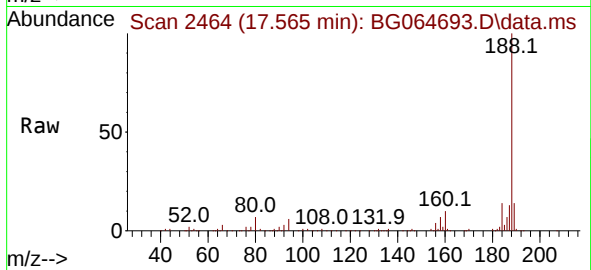
Tgt Ion:188 Resp: 239429

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

80 6.9 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.610 ng

RT: 16.302 min Scan# 2249

Delta R.T. 0.359 min

Lab File: BG064693.D

Acq: 5 Nov 2025 20:07

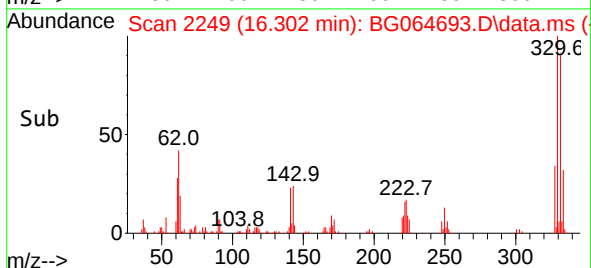
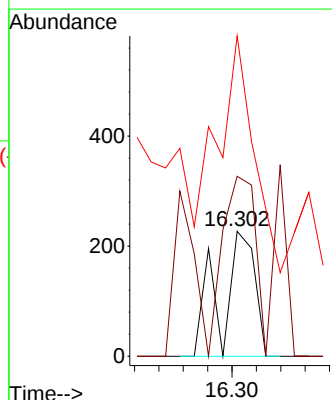
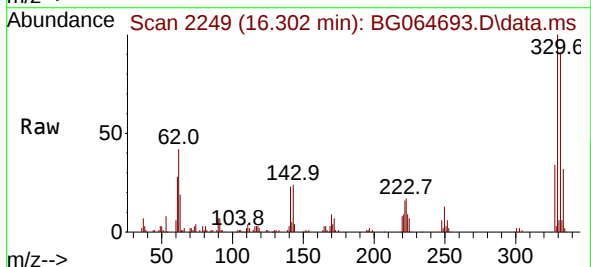
Tgt Ion:198 Resp: 218

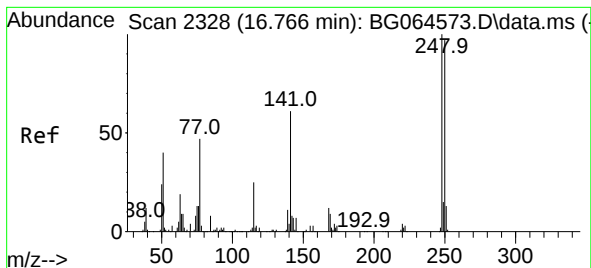
Ion Ratio Lower Upper

198 100

51 144.1 24.7 64.7#

105 256.4 18.0 58.0#

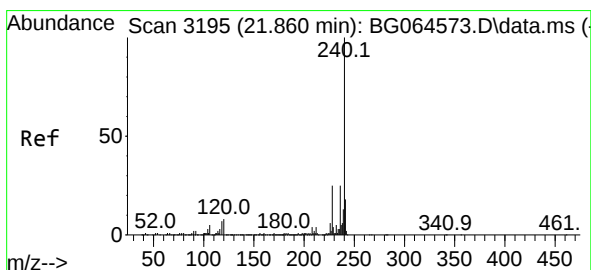
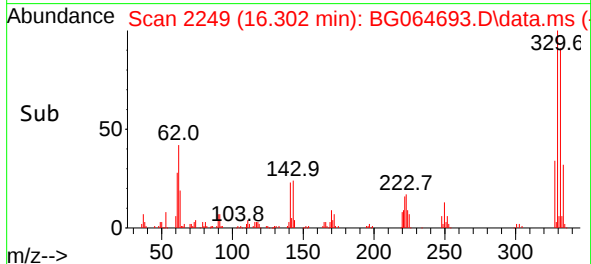
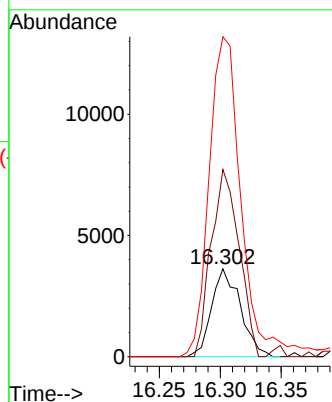
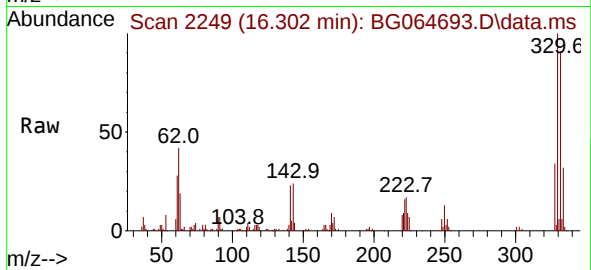




#67
4-Bromophenyl-phenylether
Concen: 2.099 ng
RT: 16.302 min Scan# 21
Delta R.T. -0.464 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

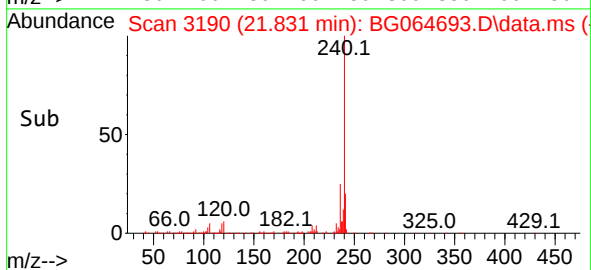
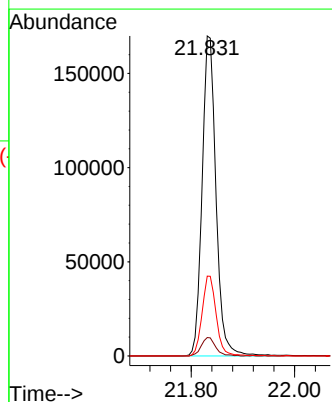
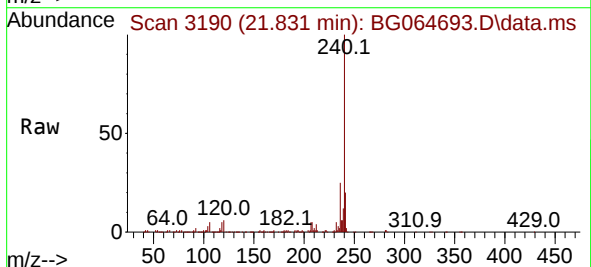
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

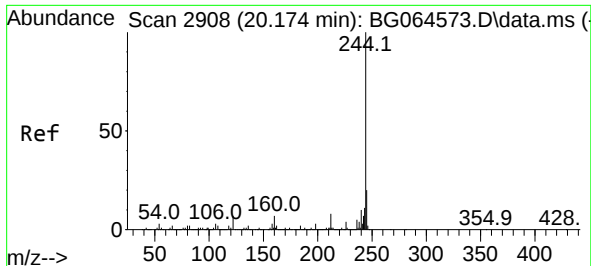
Tgt Ion:248 Resp: 5955
Ion Ratio Lower Upper
248 100
250 160.4 77.7 116.5#
141 274.2 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3190
Delta R.T. -0.029 min
Lab File: BG064693.D
Acq: 5 Nov 2025 20:07

Tgt Ion:240 Resp: 316521
Ion Ratio Lower Upper
240 100
120 5.7 6.5 9.7#
236 25.0 20.2 30.2

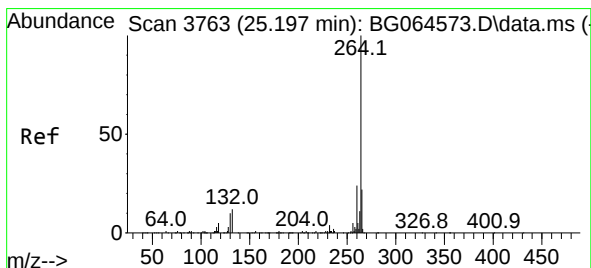
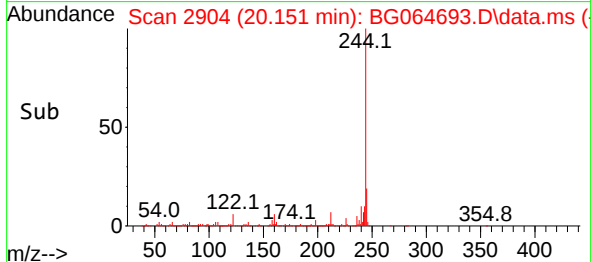
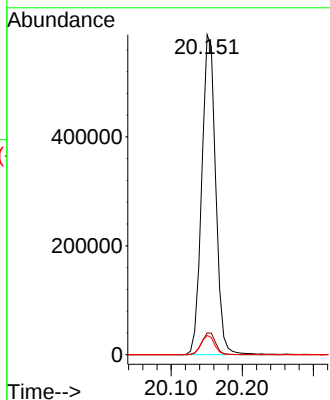
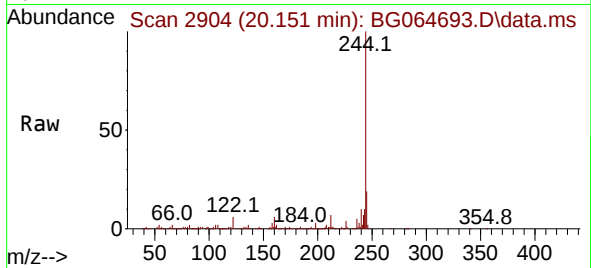




#79
 Terphenyl-d14
 Concen: 47.878 ng
 RT: 20.151 min Scan# 2904
 Delta R.T. -0.023 min
 Lab File: BG064693.D
 Acq: 5 Nov 2025 20:07

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Tgt Ion:244 Resp: 803027
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 6.0 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.168 min Scan# 3758
 Delta R.T. -0.029 min
 Lab File: BG064693.D
 Acq: 5 Nov 2025 20:07

Tgt Ion:264 Resp: 317412
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 22.2 17.6 26.4

