

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064603.D
 Acq On : 28 Oct 2025 15:51
 Operator : RC/JU
 Sample : Q3460-20
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Quant Time: Oct 28 16:26:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

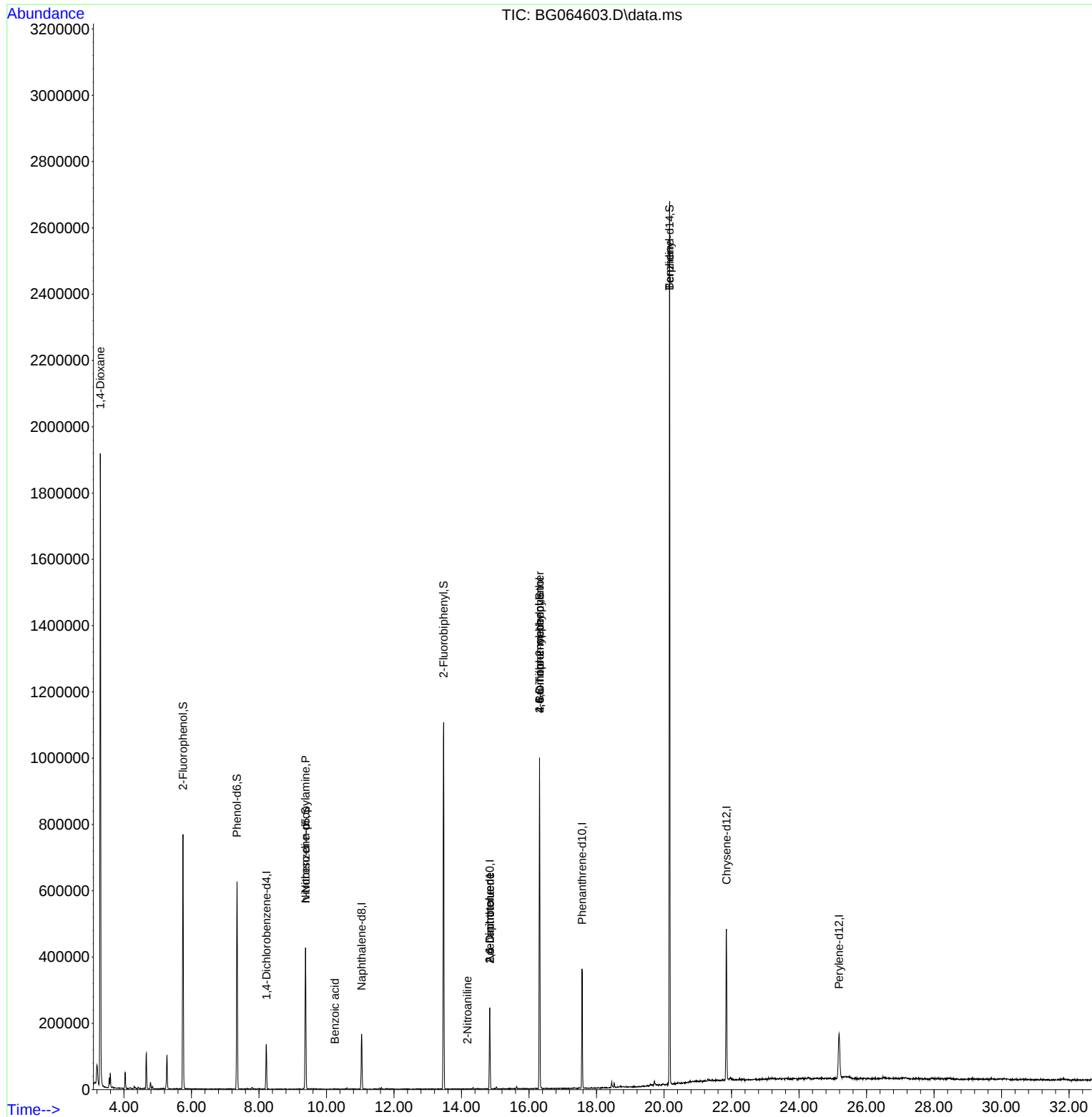
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	37080	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	133563	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	89386	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	220906	20.000	ng	0.00
76) Chrysene-d12	21.849	240	297799	20.000	ng	-0.01
86) Perylene-d12	25.186	264	133211	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	292324	132.326	ng	0.00
7) Phenol-d6	7.348	99	327742	108.117	ng	0.00
23) Nitrobenzene-d5	9.381	82	232148	104.396	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	201354	156.075	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	578919	98.169	ng	0.00
79) Terphenyl-d14	20.168	244	1395793	88.452	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.300	88	14856	15.190	ng	# 1
19) n-Nitroso-di-n-propyla...	9.381	70	31381	14.979	ng	# 73
32) Benzoic acid	10.245	122	109	6.990	ng	# 10
48) 2-Nitroaniline	14.175	65	62	3.261	ng	# 10
51) 2,6-Dinitrotoluene	14.839	165	11208	12.464	ng	# 18
57) 2,4-Dinitrotoluene	14.839	165	11208	9.066	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.314	198	375	5.769	ng	# 1
67) 4-Bromophenyl-phenylether	16.314	248	13298	5.080	ng	# 1
77) Benzidine	20.162	184	21735	3.258	ng	# 93

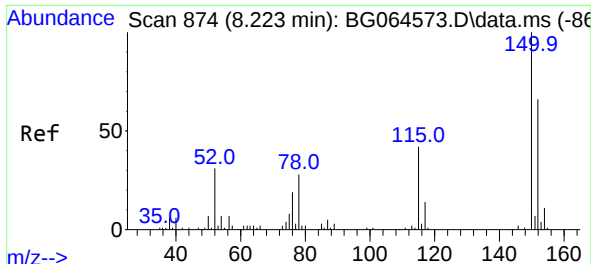
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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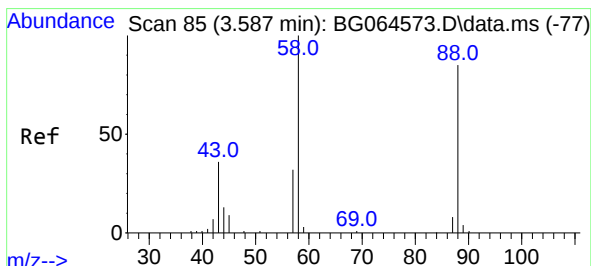
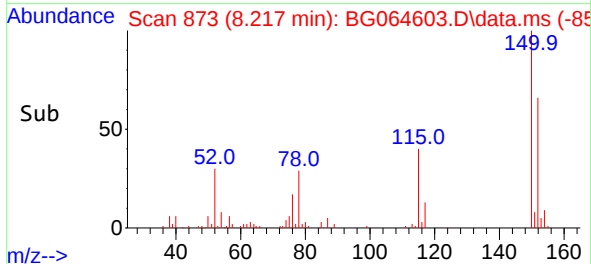
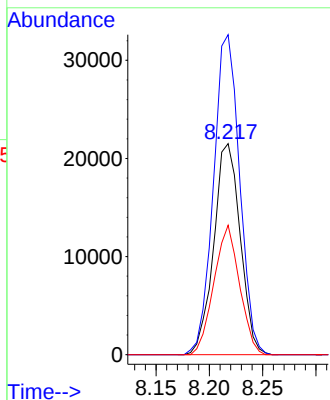
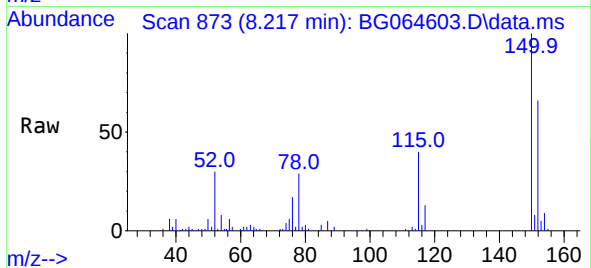




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

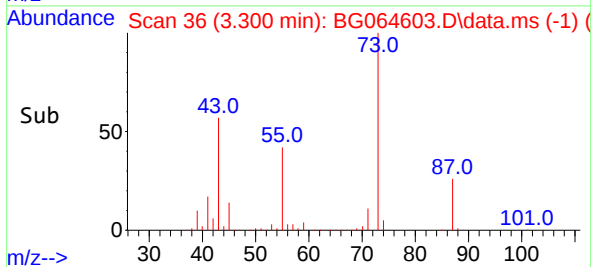
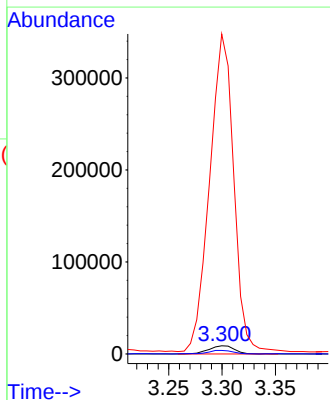
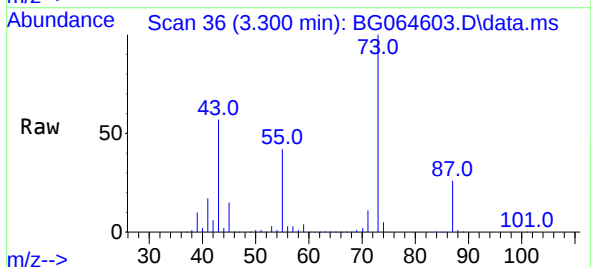
Instrument :
BNA_G
ClientSampleId :
WC-5

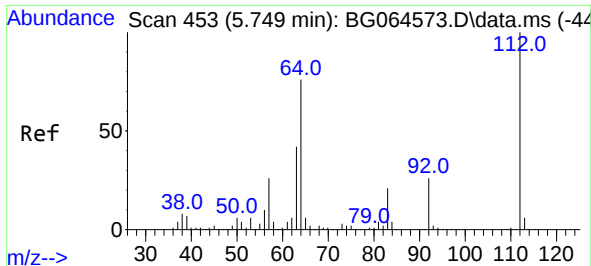
Tgt Ion:152 Resp: 37080
Ion Ratio Lower Upper
152 100
150 151.6 122.2 183.4
115 61.4 50.8 76.2



#2
1,4-Dioxane
Concen: 15.190 ng
RT: 3.300 min Scan# 36
Delta R.T. -0.291 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion: 88 Resp: 14856
Ion Ratio Lower Upper
88 100
58 43.6 92.4 138.6#
43 3645.1 33.0 49.6#

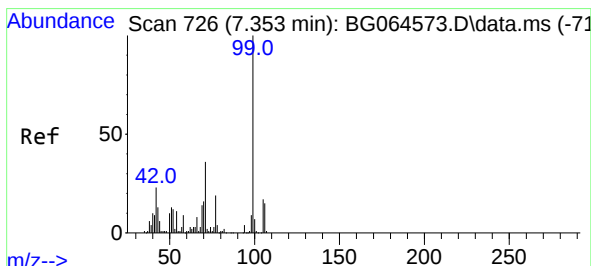
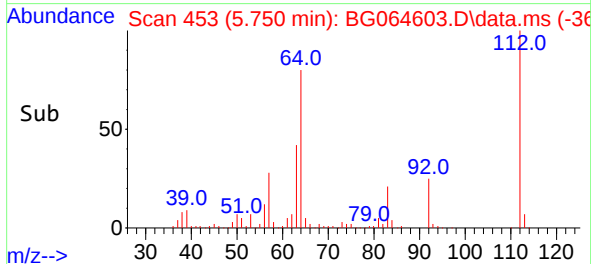
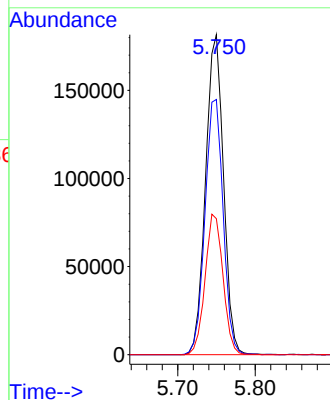
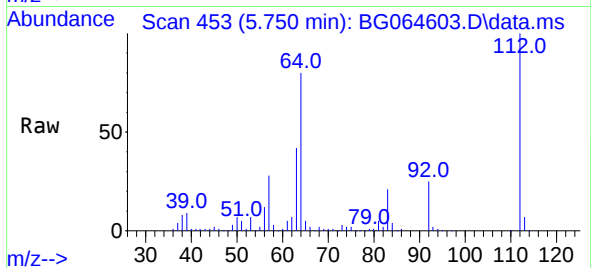




#5
2-Fluorophenol
Concen: 132.326 ng
RT: 5.750 min Scan# 411
Delta R.T. 0.003 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

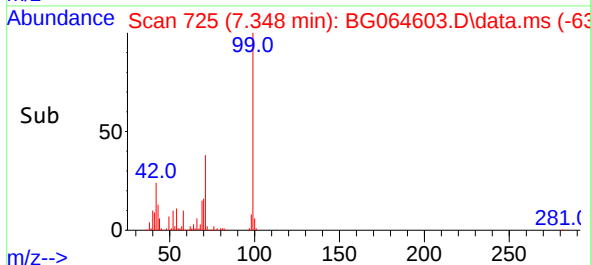
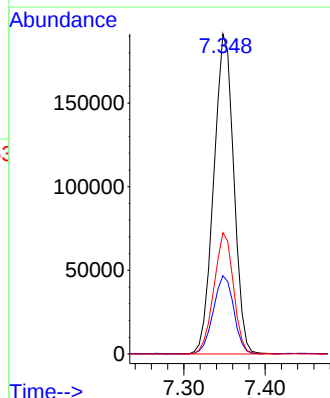
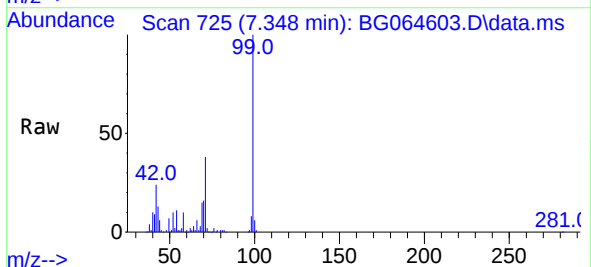
Instrument :
BNA_G
ClientSampleId :
WC-5

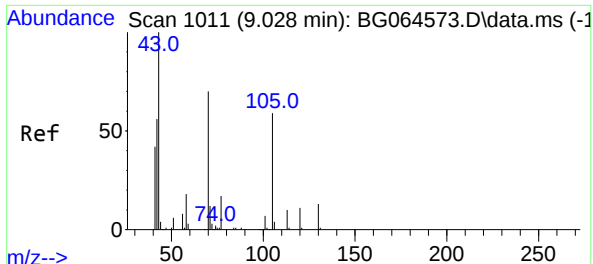
Tgt Ion:112 Resp: 292324
Ion Ratio Lower Upper
112 100
64 79.7 60.7 91.1
63 42.5 33.4 50.0



#7
Phenol-d6
Concen: 108.117 ng
RT: 7.348 min Scan# 725
Delta R.T. -0.009 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion: 99 Resp: 327742
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 37.9 28.6 43.0

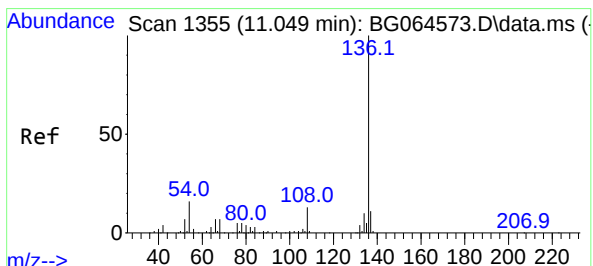
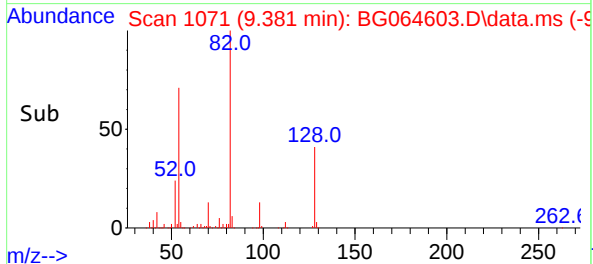
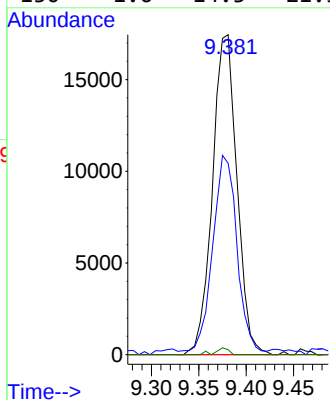
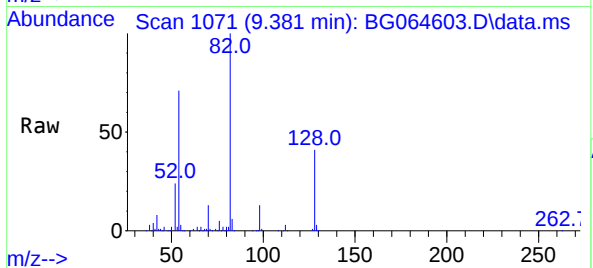




#19
n-Nitroso-di-n-propylamine
Concen: 14.979 ng
RT: 9.381 min Scan# 1011
Delta R.T. 0.349 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

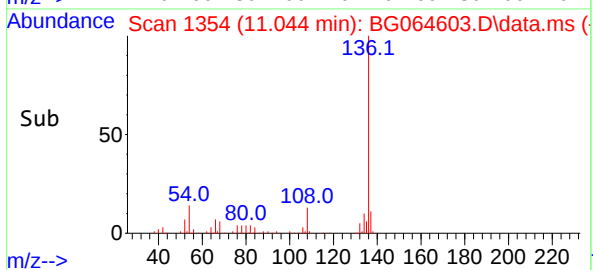
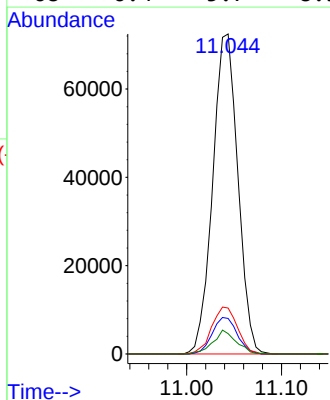
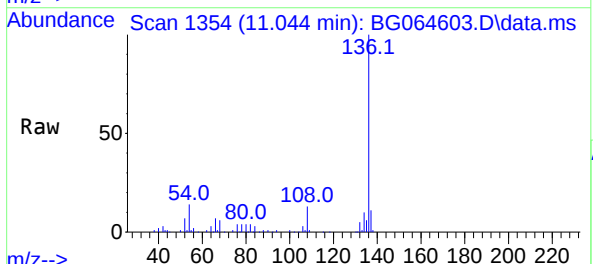
Instrument :
BNA_G
ClientSampleId :
WC-5

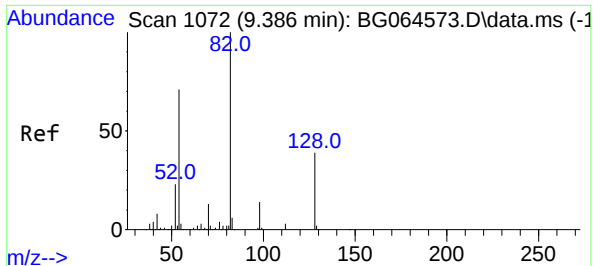
Tgt Ion: 70 Resp: 31381
Ion Ratio Lower Upper
70 100
42 59.8 65.2 97.8#
101 0.0 7.9 11.9#
130 1.6 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion:136 Resp: 133563
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 14.3 12.6 19.0
68 6.4 5.7 8.5





#23

Nitrobenzene-d5

Concen: 104.396 ng

RT: 9.381 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064603.D

Acq: 28 Oct 2025 15:51

Instrument :

BNA_G

ClientSampleId :

WC-5

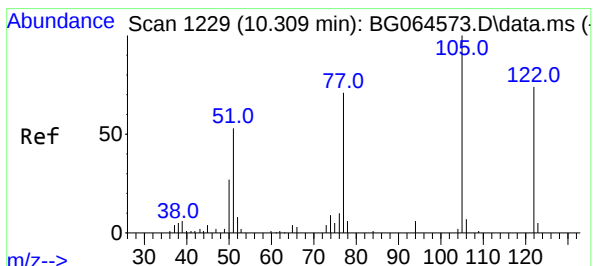
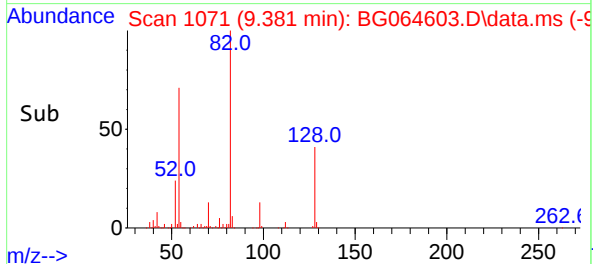
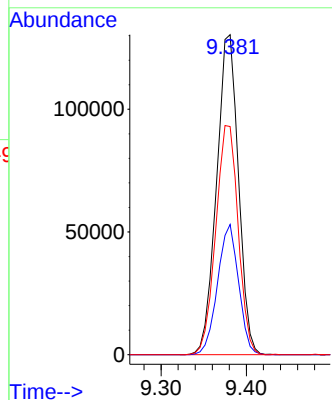
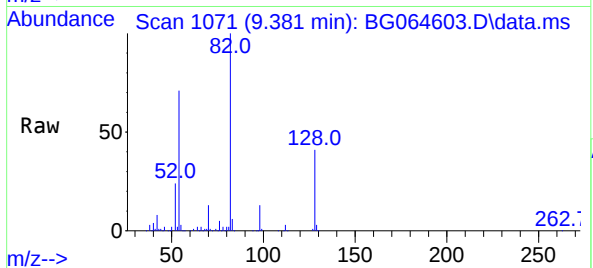
Tgt Ion: 82 Resp: 232148

Ion Ratio Lower Upper

82 100

128 40.7 31.3 46.9

54 71.3 56.6 84.8



#32

Benzoic acid

Concen: 6.990 ng

RT: 10.245 min Scan# 1218

Delta R.T. -0.097 min

Lab File: BG064603.D

Acq: 28 Oct 2025 15:51

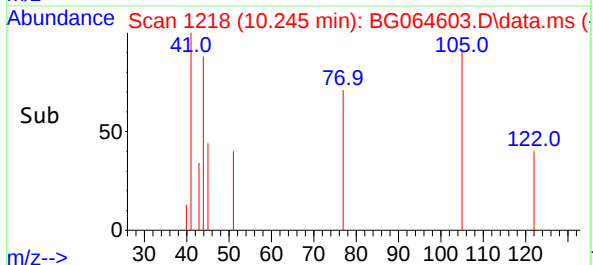
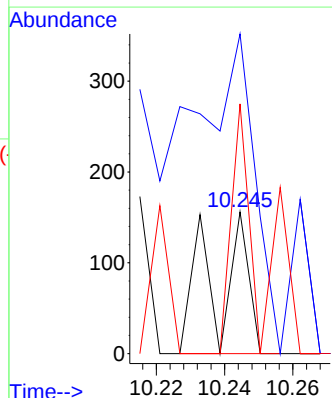
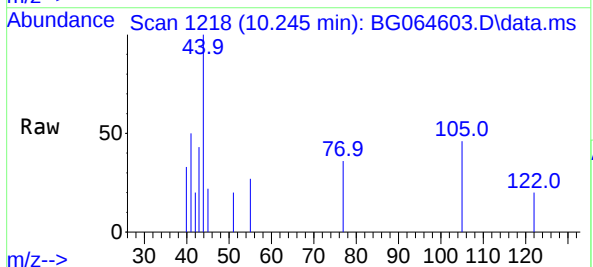
Tgt Ion:122 Resp: 109

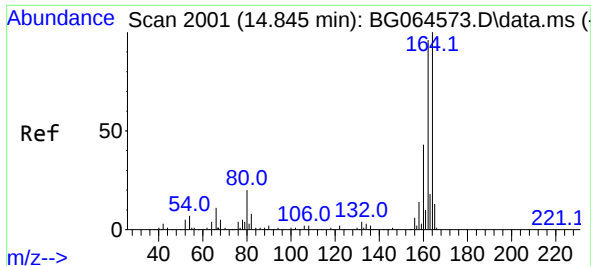
Ion Ratio Lower Upper

122 100

105 225.6 104.2 144.2#

77 176.3 70.2 110.2#

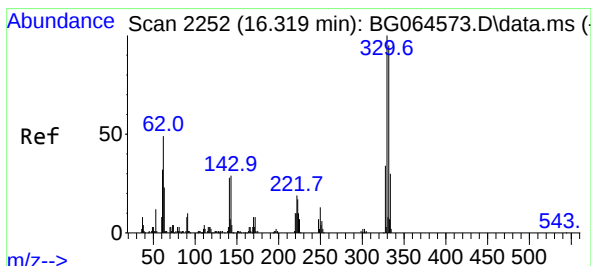
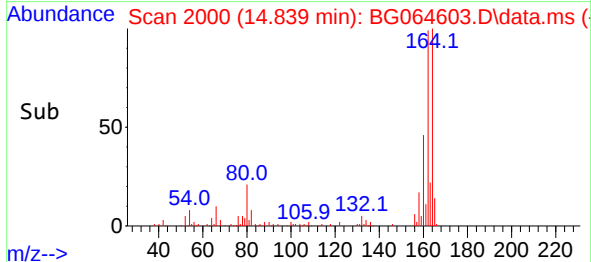
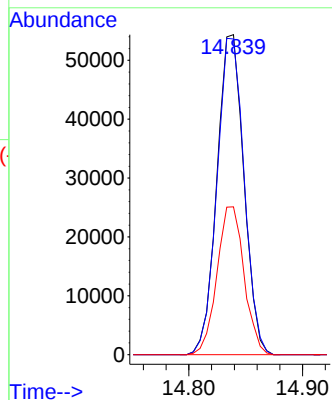
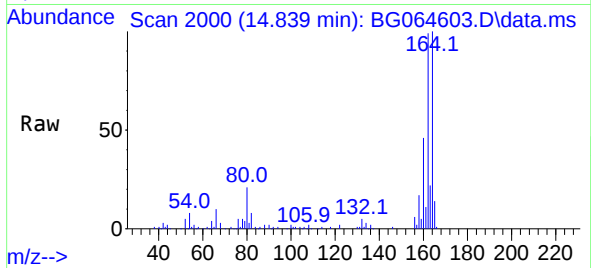




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

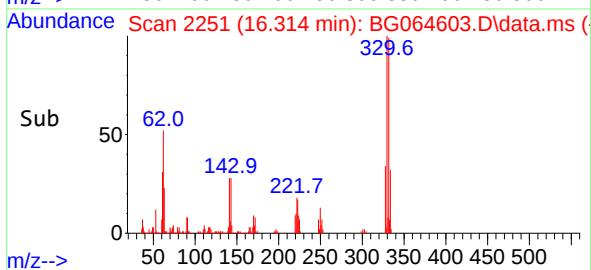
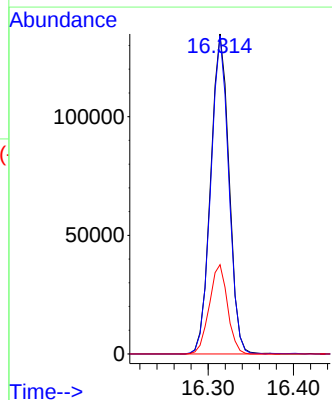
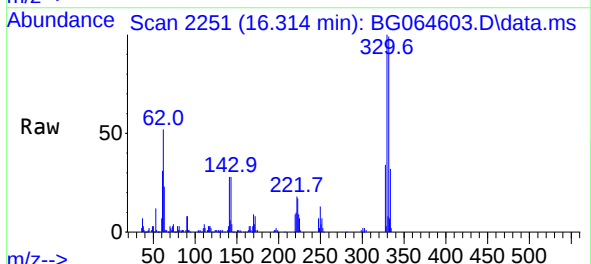
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BNA_G
ClientSampleId :
WC-5

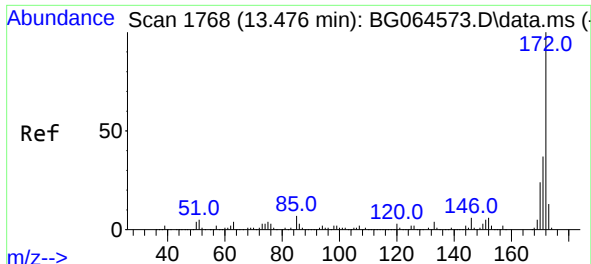
Tgt Ion:164 Resp: 89386
Ion Ratio Lower Upper
164 100
162 98.7 77.0 115.6
160 46.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 156.075 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion:330 Resp: 201354
Ion Ratio Lower Upper
330 100
332 97.1 78.0 117.0
141 27.7 21.8 32.6

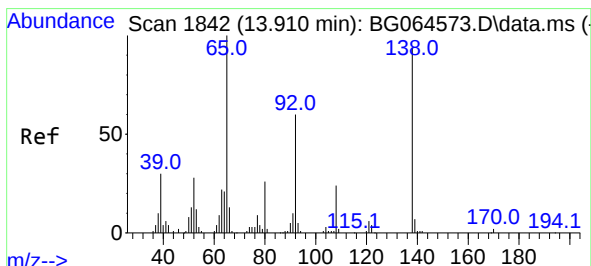
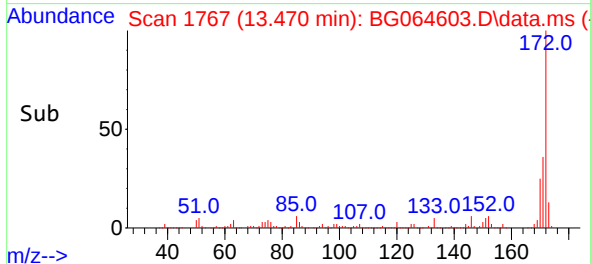
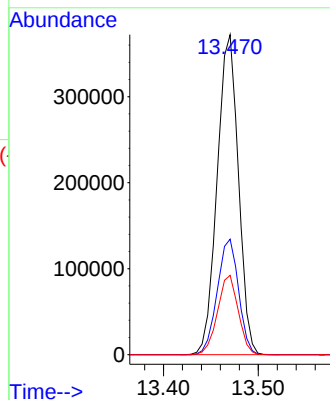
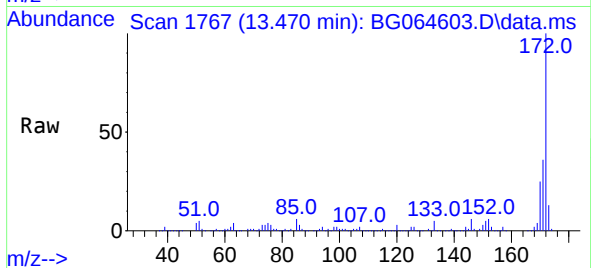




#45
2-Fluorobiphenyl
Concen: 98.169 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

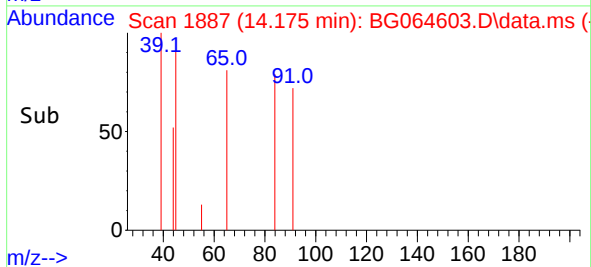
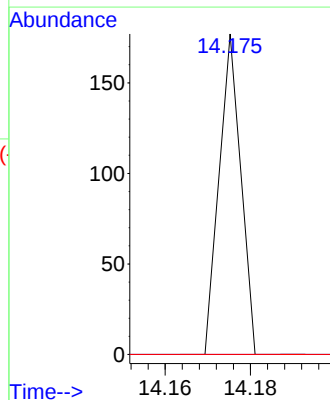
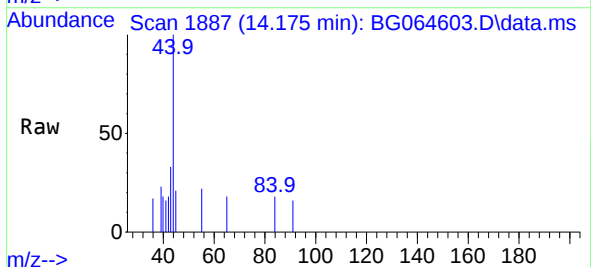
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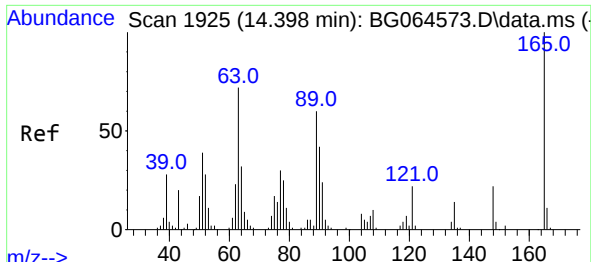
Tgt Ion:172 Resp: 578919
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.8 19.1 28.7



#48
2-Nitroaniline
Concen: 3.261 ng
RT: 14.175 min Scan# 1887
Delta R.T. 0.261 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 48.3 72.5#
138 0.0 74.9 112.3#

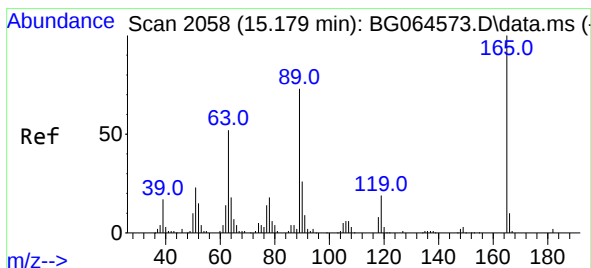
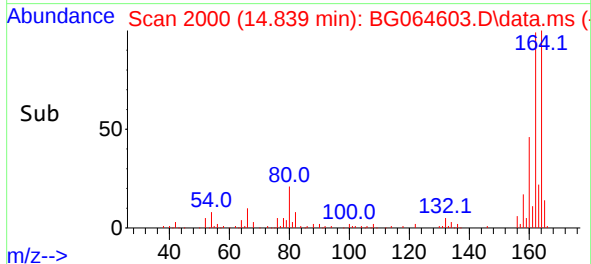
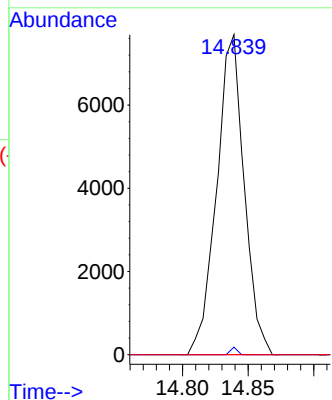
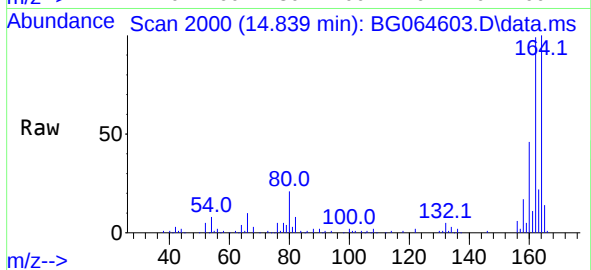




#51
2,6-Dinitrotoluene
Concen: 12.464 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

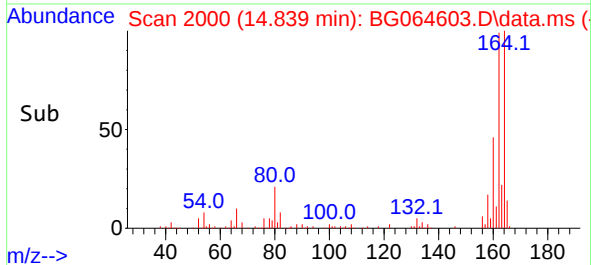
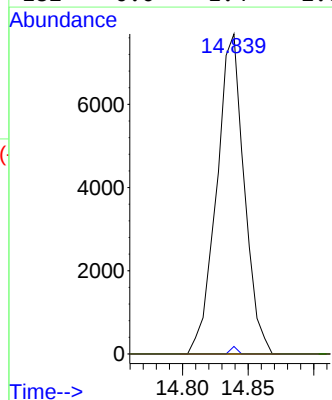
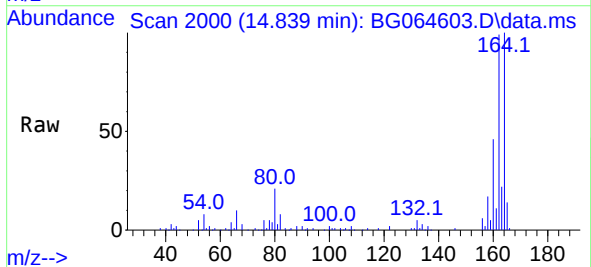
Instrument :
BNA_G
ClientSampleId :
WC-5

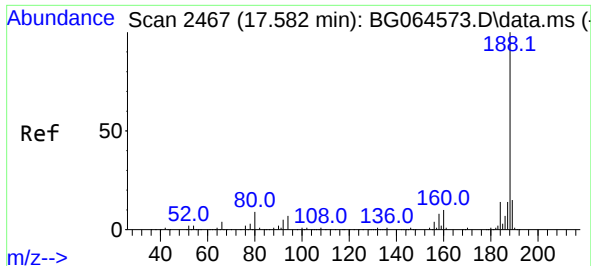
Tgt Ion:165 Resp: 11208
Ion Ratio Lower Upper
165 100
63 2.4 57.4 86.0#
89 0.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.066 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.350 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion:165 Resp: 11208
Ion Ratio Lower Upper
165 100
63 2.4 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#

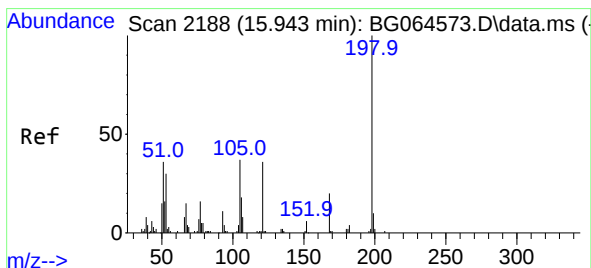
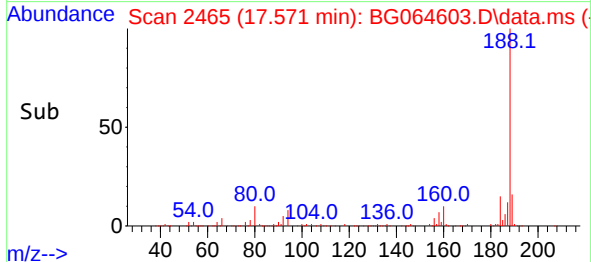
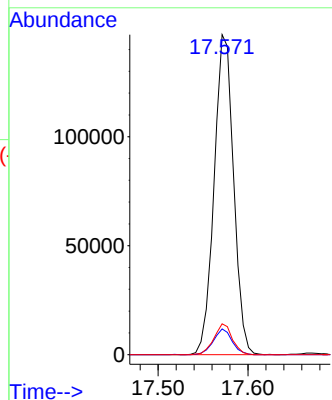
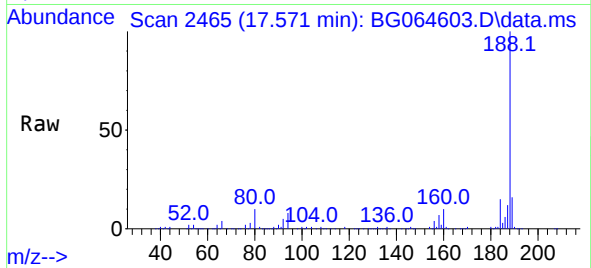




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.571 min Scan# 2465
Delta R.T. -0.009 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

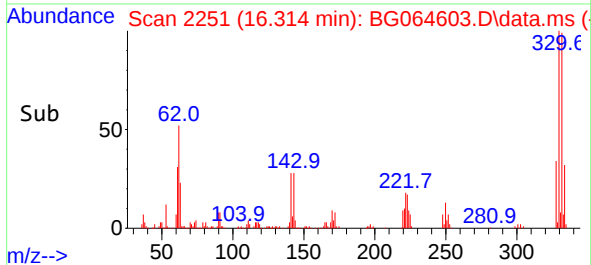
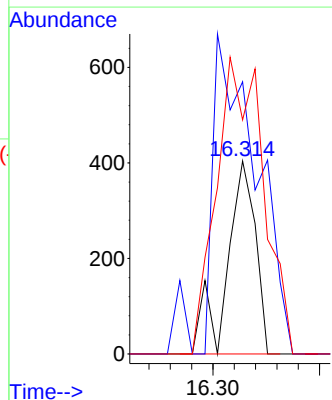
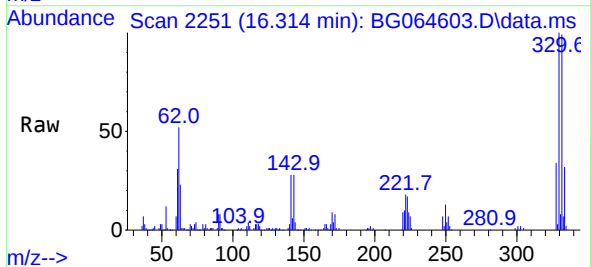
Instrument :
BNA_G
ClientSampleId :
WC-5

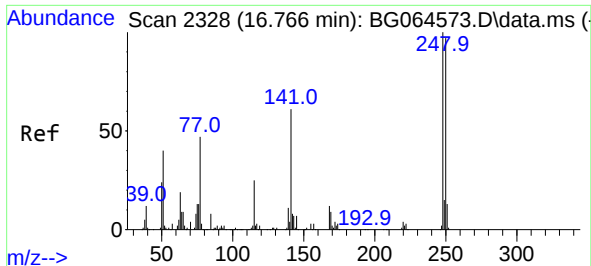
Tgt Ion:188 Resp: 220906
Ion Ratio Lower Upper
188 100
94 8.0 5.7 8.5
80 9.6 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.769 ng
RT: 16.314 min Scan# 2251
Delta R.T. 0.367 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

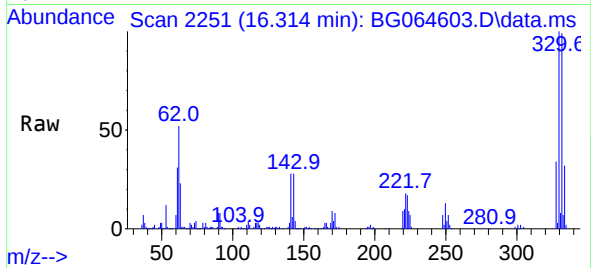
Tgt Ion:198 Resp: 375
Ion Ratio Lower Upper
198 100
51 141.1 24.7 64.7#
105 121.3 18.0 58.0#



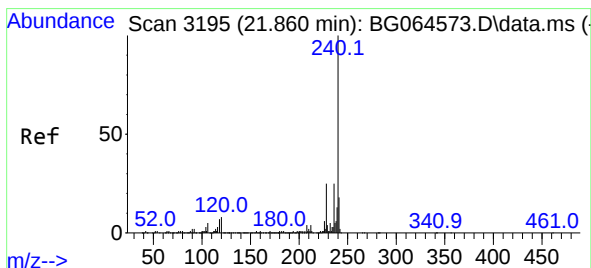
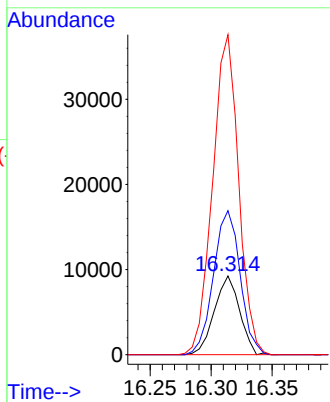
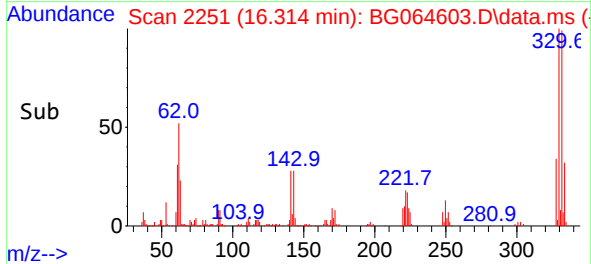


#67
4-Bromophenyl-phenylether
Concen: 5.080 ng
RT: 16.314 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Instrument :
BNA_G
ClientSampleId :
WC-5

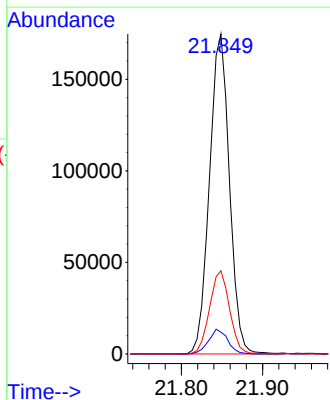
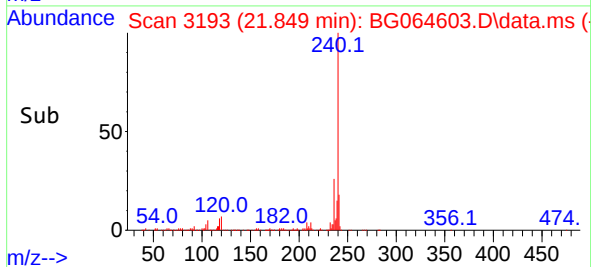
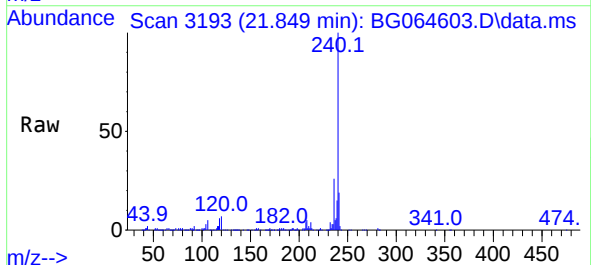


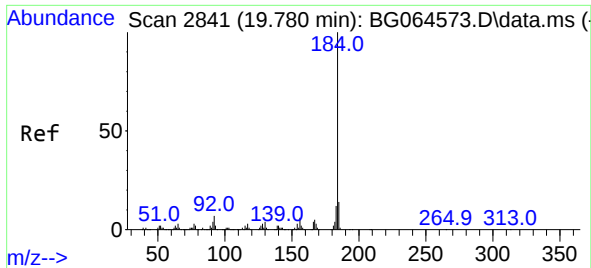
Tgt Ion:248 Resp: 13298
Ion Ratio Lower Upper
248 100
250 185.8 77.7 116.5#
141 313.9 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion:240 Resp: 297799
Ion Ratio Lower Upper
240 100
120 6.8 6.5 9.7
236 26.0 20.2 30.2

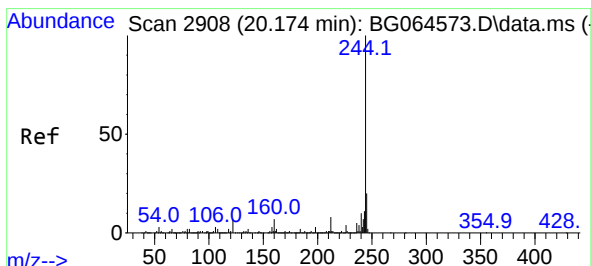
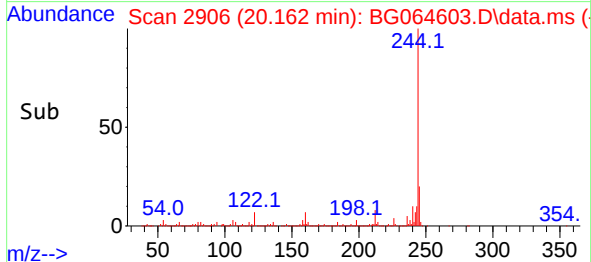
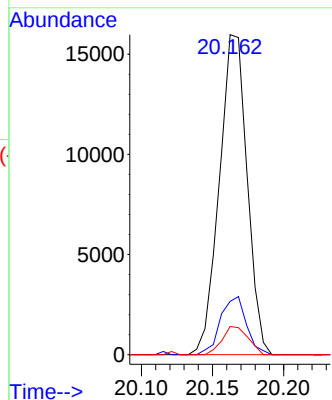
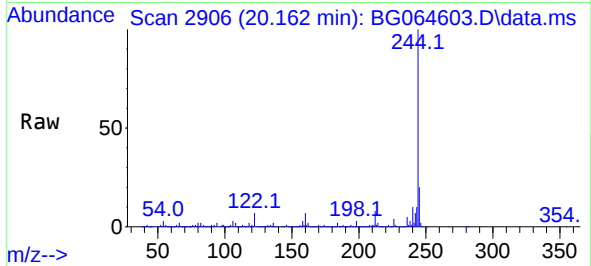




#77
Benzidine
Concen: 3.258 ng
RT: 20.162 min Scan# 2906
Delta R.T. 0.379 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

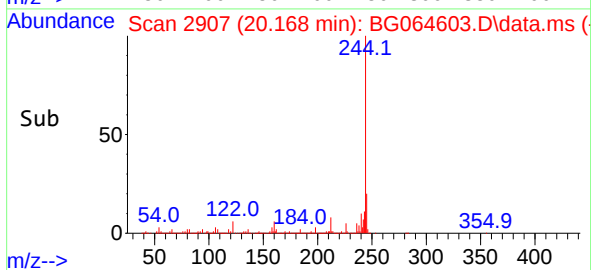
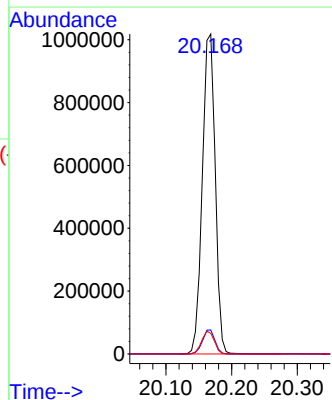
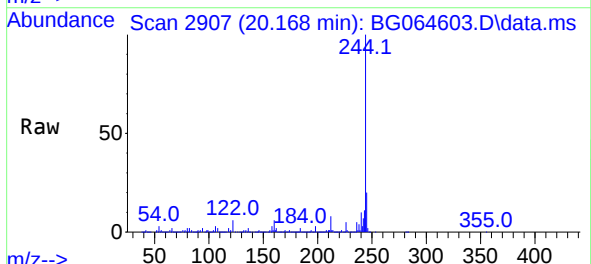
Instrument :
BNA_G
ClientSampleId :
WC-5

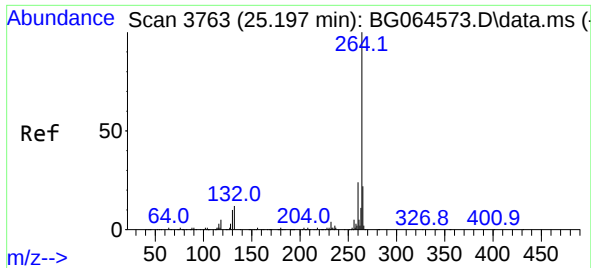
Tgt Ion:184 Resp: 21735
Ion Ratio Lower Upper
184 100
185 16.6 11.4 17.2
183 8.8 9.4 14.2#



#79
Terphenyl-d14
Concen: 88.452 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064603.D
Acq: 28 Oct 2025 15:51

Tgt Ion:244 Resp: 1395793
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 6.4 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.186 min Scan# 31
 Delta R.T. -0.015 min
 Lab File: BG064603.D
 Acq: 28 Oct 2025 15:51

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Tgt Ion:264 Resp: 133211
 Ion Ratio Lower Upper
 264 100
 260 26.8 19.0 28.4
 265 23.0 17.6 26.4

