

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
 Data File : BG064703.D
 Acq On : 6 Nov 2025 15:06
 Operator : RC/JU
 Sample : Q3544-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ONYX-1

Quant Time: Nov 06 15:48:32 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)

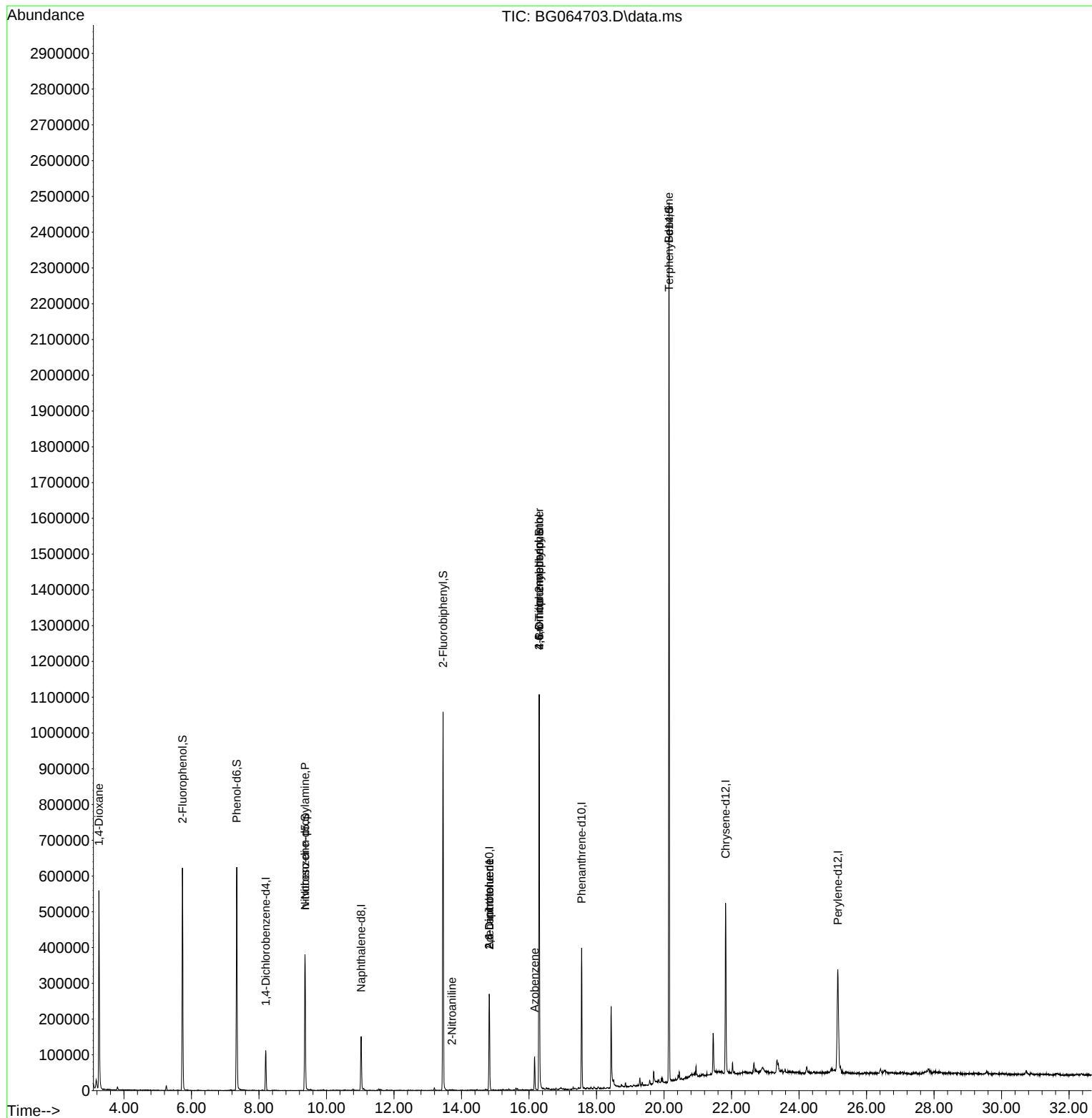
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.199	152	31979	20.000	ng	-0.02
21) Naphthalene-d8	11.025	136	127456	20.000	ng	-0.02
39) Acenaphthene-d10	14.820	164	104884	20.000	ng	-0.02
64) Phenanthrene-d10	17.558	188	257019	20.000	ng	-0.02
76) Chrysene-d12	21.824	240	315465	20.000	ng	#-0.04
86) Perylene-d12	25.149	264	353542	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.731	112	246994	129.641	ng	-0.02
7) Phenol-d6	7.341	99	336694	128.787	ng	-0.01
23) Nitrobenzene-d5	9.362	82	216955	102.238	ng	-0.02
42) 2,4,6-Tribromophenol	16.301	330	265478	175.373	ng	-0.02
45) 2-Fluorobiphenyl	13.451	172	566382	81.851	ng	-0.02
79) Terphenyl-d14	20.149	244	1273992	76.212	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	4270	5.062	ng	# 1
19) n-Nitroso-di-n-propyla...	9.362	70	29671	16.422	ng	# 73
48) 2-Nitroaniline	13.716	65	118	3.283	ng	# 10
51) 2,6-Dinitrotoluene	14.820	165	13968	13.039	ng	# 17
57) 2,4-Dinitrotoluene	14.820	165	13968	9.439	ng	# 20
63) Azobenzene	16.166	77	25846	3.437	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.301	198	562	5.867	ng	# 14
67) 4-Bromophenyl-phenylether	16.301	248	16697	5.482	ng	# 1
77) Benzidine	20.143	184	18605	2.632	ng	# 95

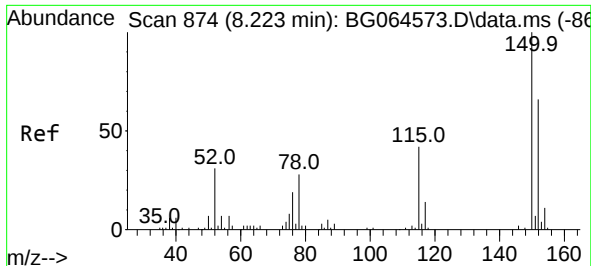
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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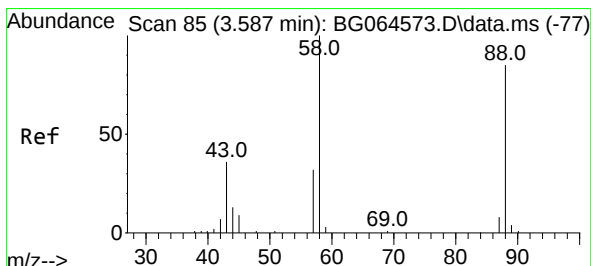
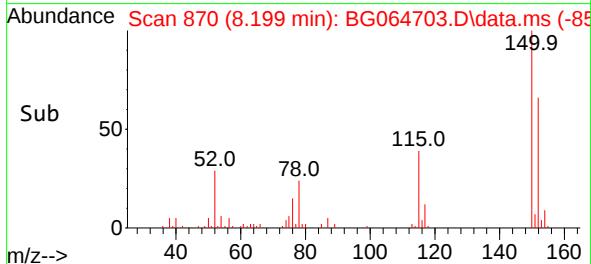
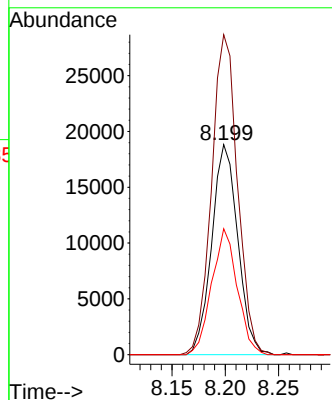
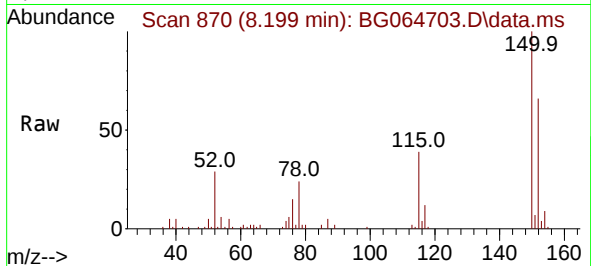




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.199 min Scan# 81
 Delta R.T. -0.024 min
 Lab File: BG064703.D
 Acq: 6 Nov 2025 15:06

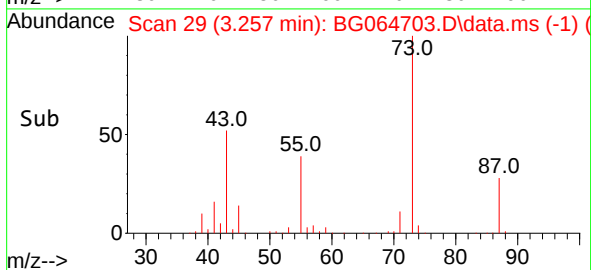
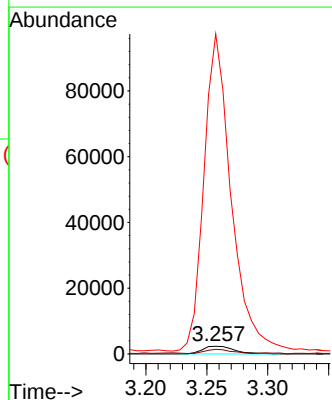
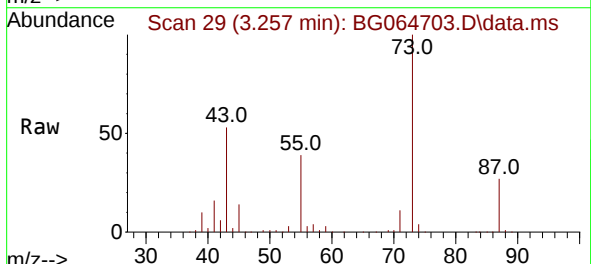
Instrument :
 BNA_G
 ClientSampleId :
 ONYX-1

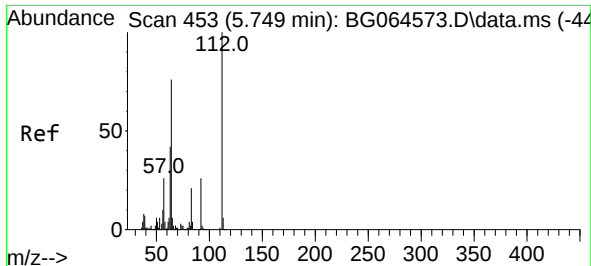
Tgt Ion:152 Resp: 31979
 Ion Ratio Lower Upper
 152 100
 150 152.3 122.2 183.4
 115 60.0 50.8 76.2



#2
 1,4-Dioxane
 Concen: 5.062 ng
 RT: 3.257 min Scan# 29
 Delta R.T. -0.330 min
 Lab File: BG064703.D
 Acq: 6 Nov 2025 15:06

Tgt Ion: 88 Resp: 4270
 Ion Ratio Lower Upper
 88 100
 58 43.6 92.4 138.6#
 43 3594.8 33.0 49.6#

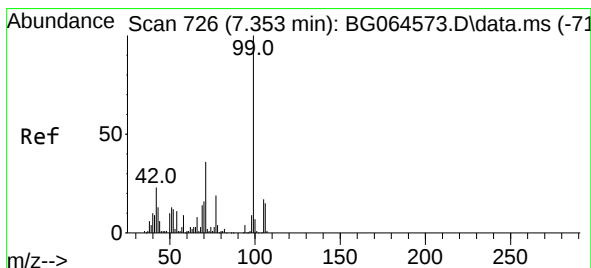
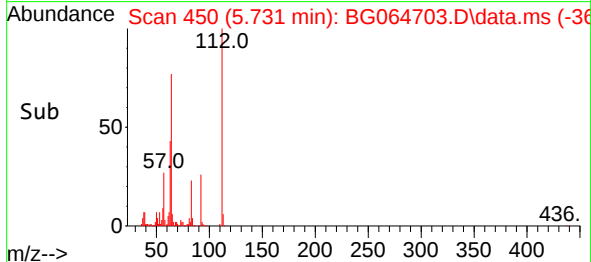
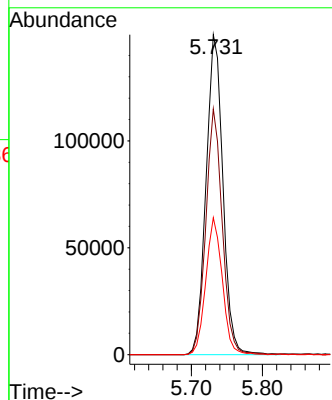
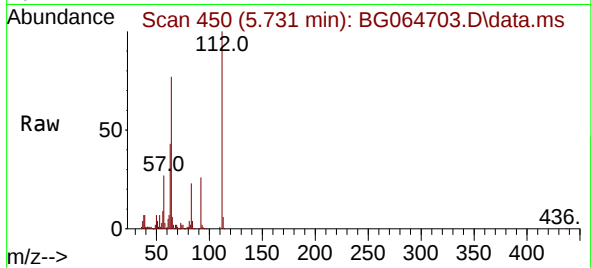




#5
2-Fluorophenol
Concen: 129.641 ng
RT: 5.731 min Scan# 41
Delta R.T. -0.018 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

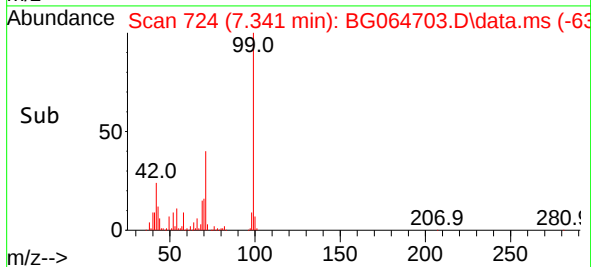
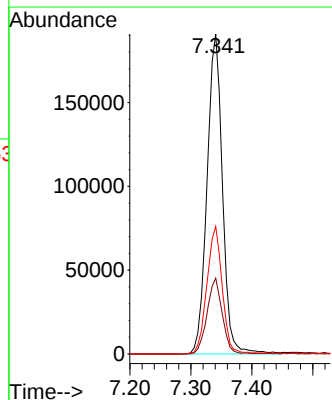
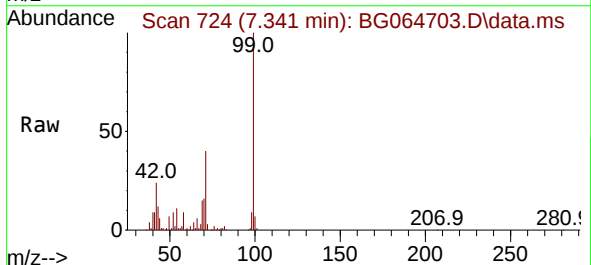
Instrument :
BNA_G
ClientSampleId :
ONYX-1

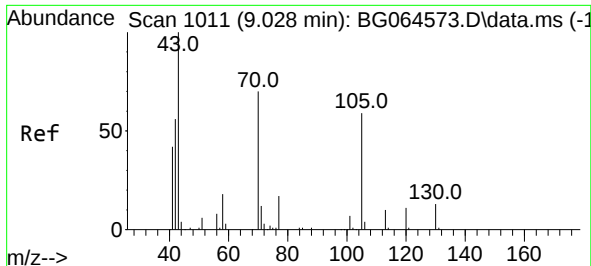
Tgt Ion:112 Resp: 246994
Ion Ratio Lower Upper
112 100
64 76.8 60.7 91.1
63 42.8 33.4 50.0



#7
Phenol-d6
Concen: 128.787 ng
RT: 7.341 min Scan# 724
Delta R.T. -0.013 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

Tgt Ion: 99 Resp: 336694
Ion Ratio Lower Upper
99 100
42 23.7 18.3 27.5
71 39.8 28.6 43.0

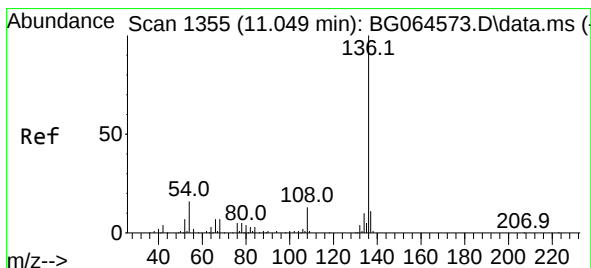
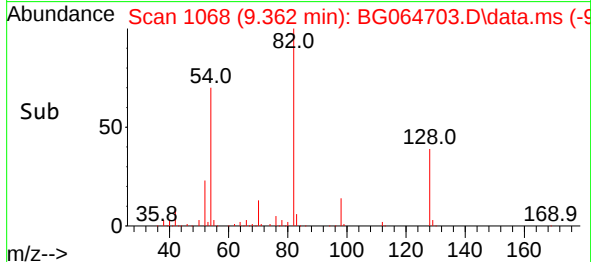
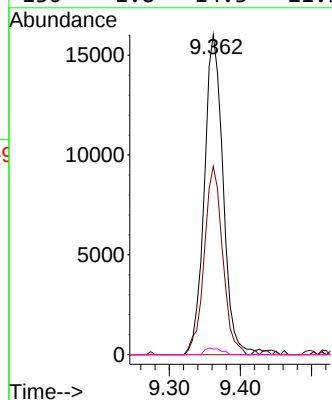
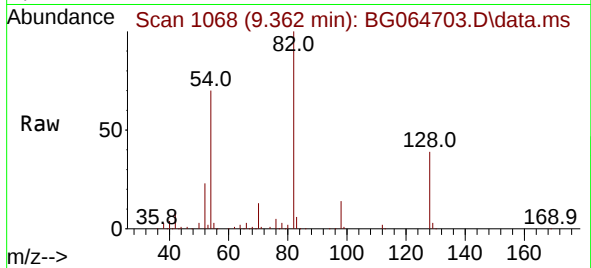




#19
n-Nitroso-di-n-propylamine
Concen: 16.422 ng
RT: 9.362 min Scan# 1068
Delta R.T. 0.334 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

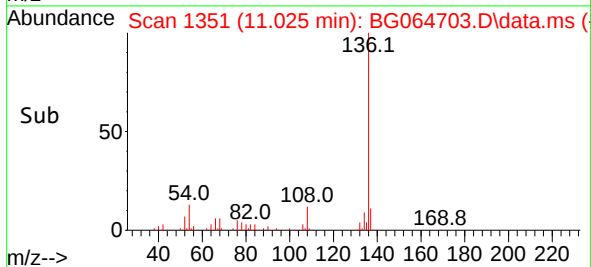
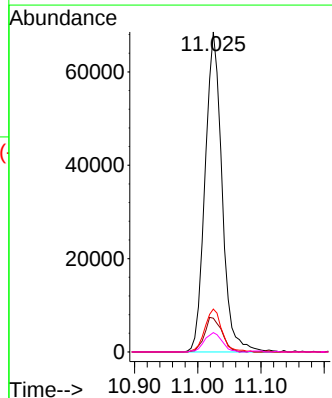
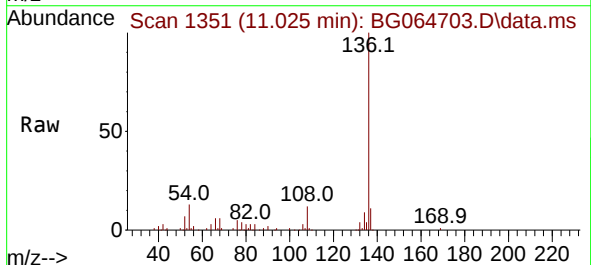
Instrument :
BNA_G
ClientSampleId :
ONYX-1

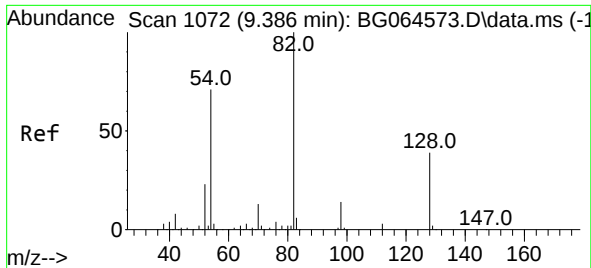
Tgt Ion: 70 Resp: 29671
Ion Ratio Lower Upper
70 100
42 58.9 65.2 97.8#
101 0.0 7.9 11.9#
130 1.8 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.025 min Scan# 1351
Delta R.T. -0.024 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

Tgt Ion: 136 Resp: 127456
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 13.4 12.6 19.0
68 6.0 5.7 8.5

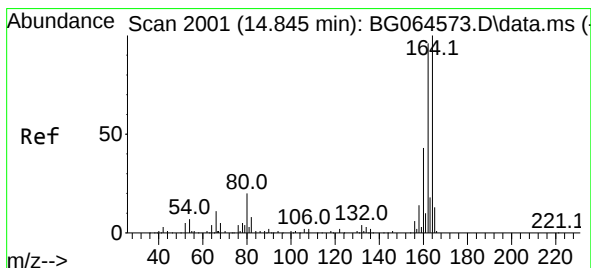
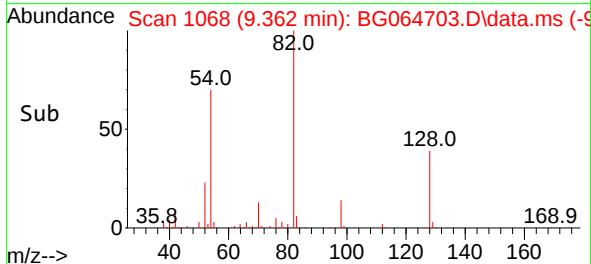
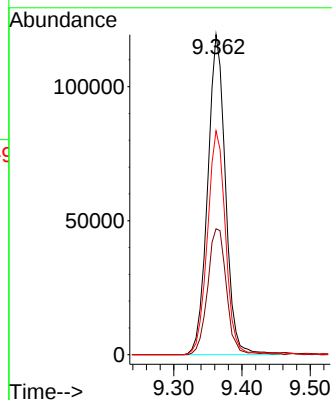
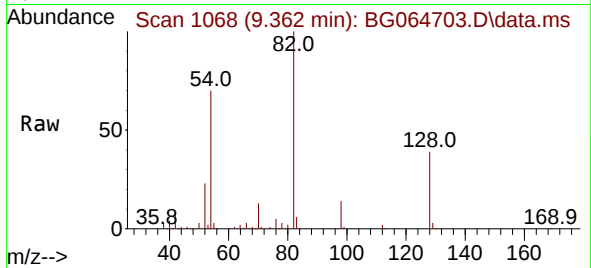




#23
Nitrobenzene-d5
Concen: 102.238 ng
RT: 9.362 min Scan# 1068
Delta R.T. -0.024 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

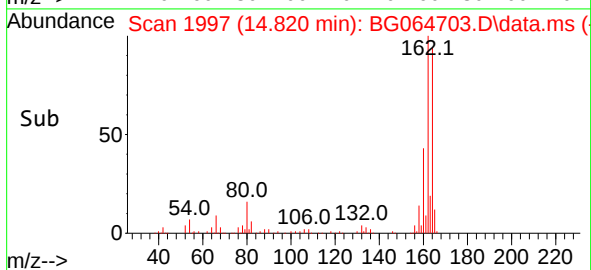
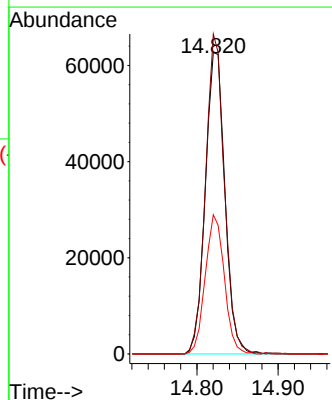
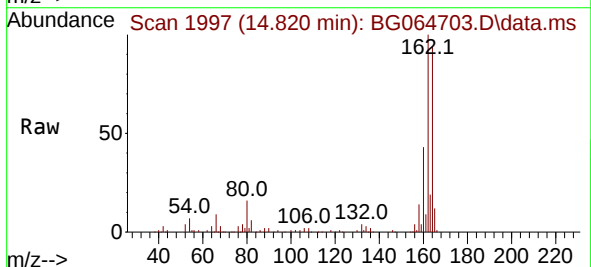
Instrument :
BNA_G
ClientSampleId :
ONYX-1

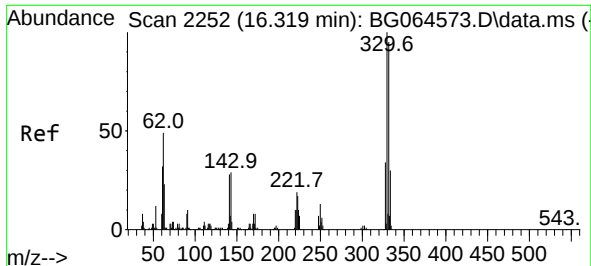
Tgt Ion: 82 Resp: 216955
Ion Ratio Lower Upper
82 100
128 39.4 31.3 46.9
54 70.0 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.820 min Scan# 1997
Delta R.T. -0.024 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

Tgt Ion:164 Resp: 104884
Ion Ratio Lower Upper
164 100
162 106.1 77.0 115.6
160 46.1 34.4 51.6

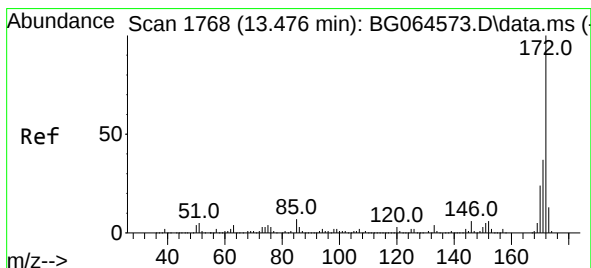
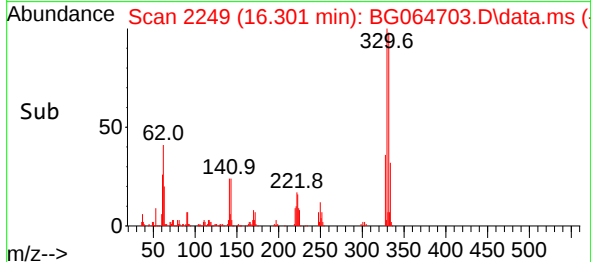
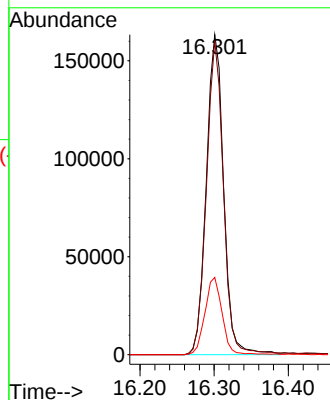
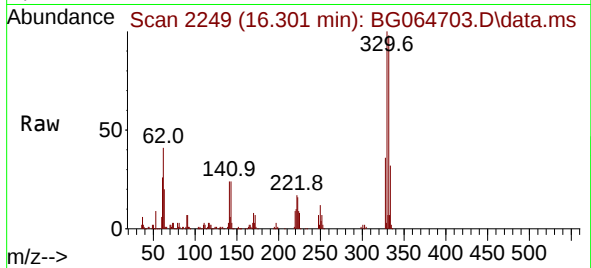




#42
2,4,6-Tribromophenol
Concen: 175.373 ng
RT: 16.301 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

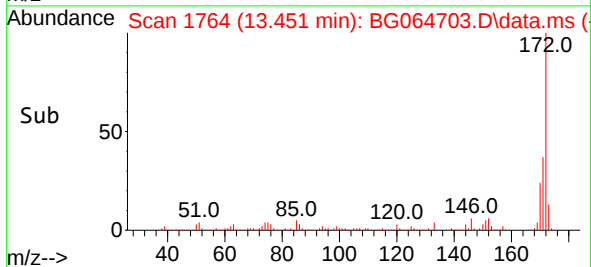
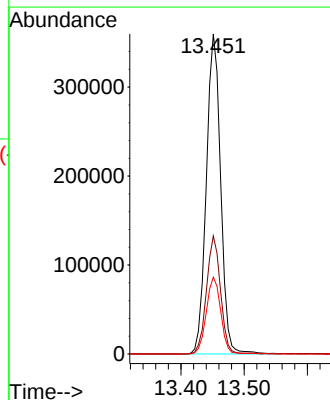
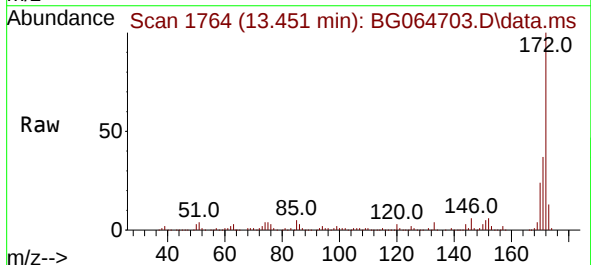
Instrument :
BNA_G
ClientSampleId :
ONYX-1

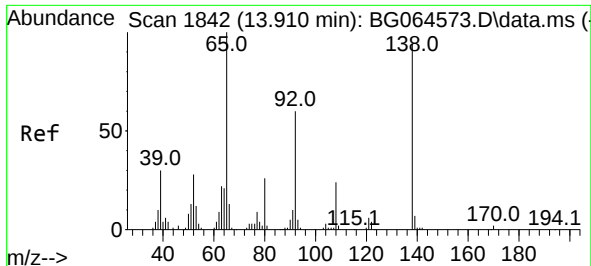
Tgt Ion:330 Resp: 265478
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 24.0 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 81.851 ng
RT: 13.451 min Scan# 1764
Delta R.T. -0.024 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

Tgt Ion:172 Resp: 566382
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.0 19.1 28.7

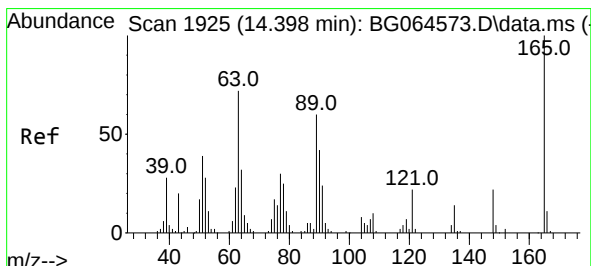
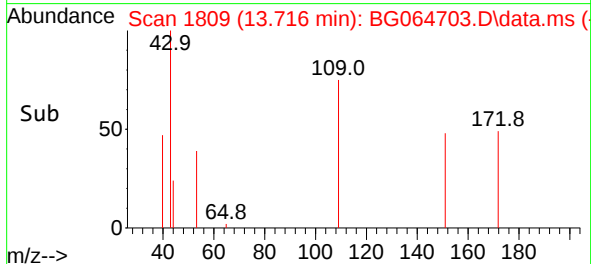
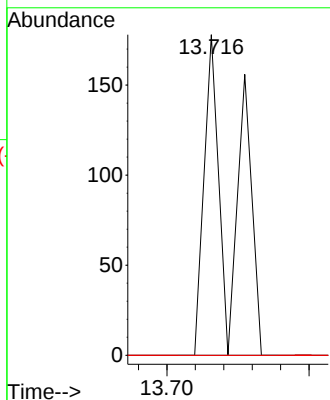
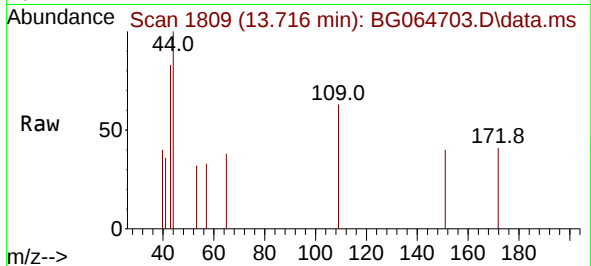




#48
2-Nitroaniline
Concen: 3.283 ng
RT: 13.716 min Scan# 11
Delta R.T. -0.194 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

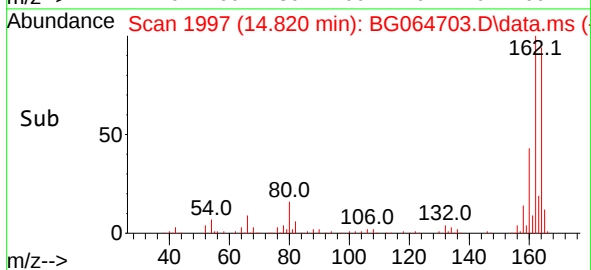
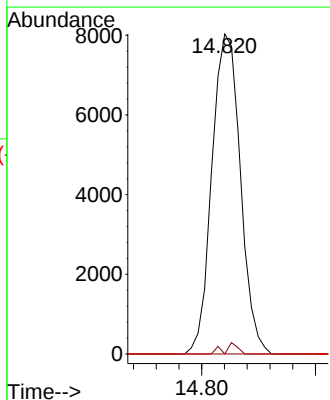
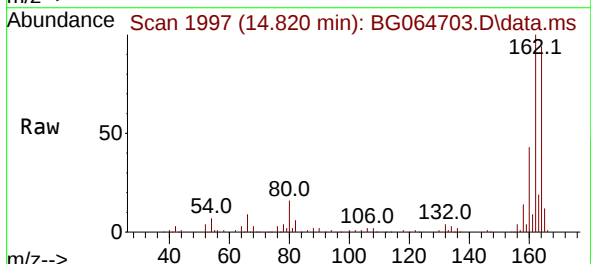
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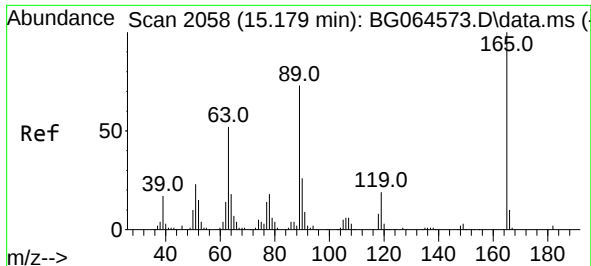
Tgt Ion: 65 Resp: 118
Ion Ratio Lower Upper
65 100
92 0.0 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 13.039 ng
RT: 14.820 min Scan# 1997
Delta R.T. 0.422 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

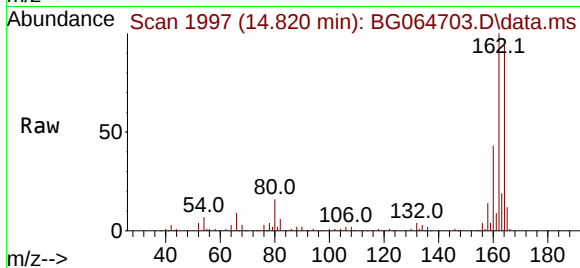
Tgt Ion:165 Resp: 13968
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



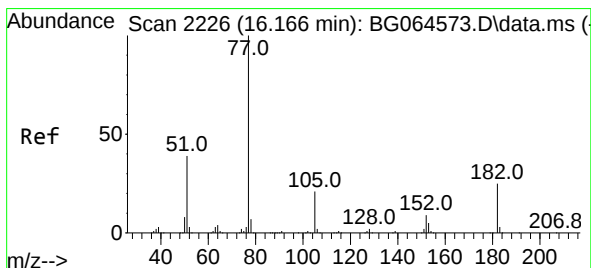
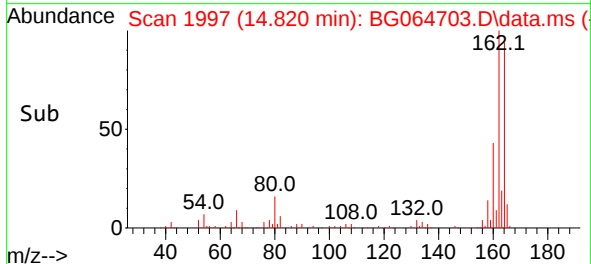
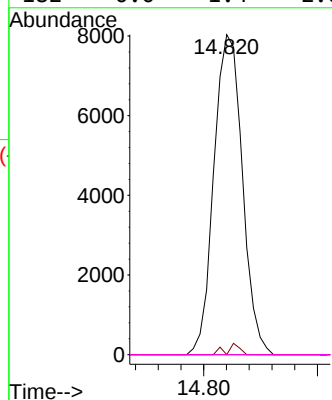


#57
2,4-Dinitrotoluene
Concen: 9.439 ng
RT: 14.820 min Scan# 1997
Delta R.T. -0.359 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

Instrument :
BNA_G
ClientSampleId :
ONYX-1

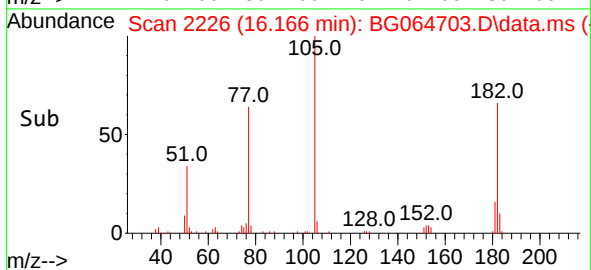
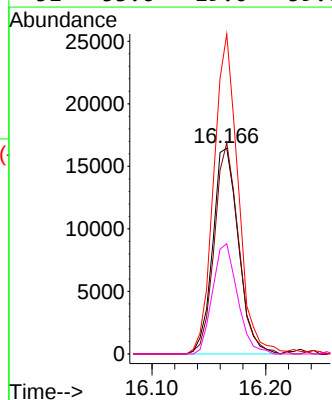
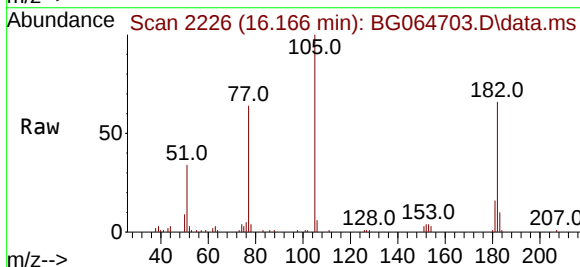


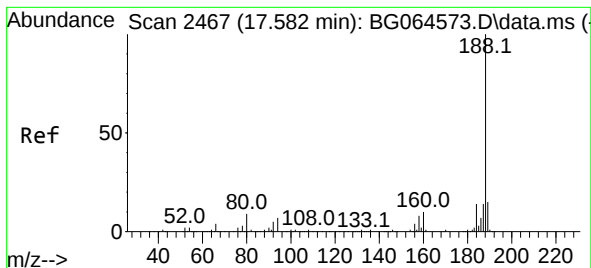
Tgt Ion:165 Resp: 13968
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 3.437 ng
RT: 16.166 min Scan# 2226
Delta R.T. -0.001 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

Tgt Ion: 77 Resp: 25846
Ion Ratio Lower Upper
77 100
182 102.6 4.9 44.9#
105 155.5 1.3 41.3#
51 53.6 19.0 59.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.558 min Scan# 24

Delta R.T. -0.024 min

Lab File: BG064703.D

Acq: 6 Nov 2025 15:06

Instrument :

BNA_G

ClientSampleId :

ONYX-1

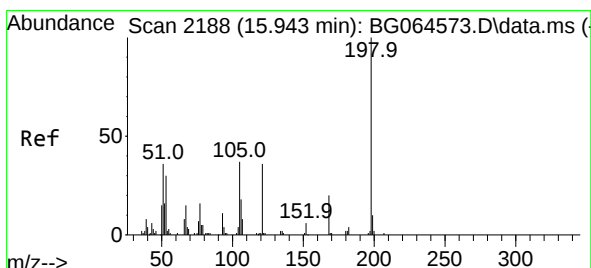
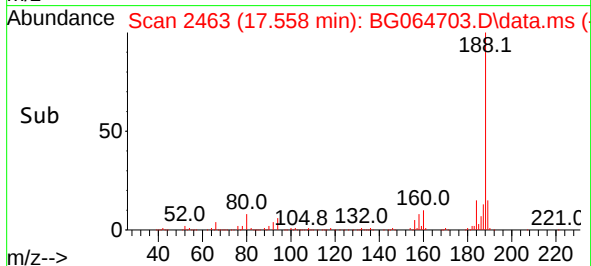
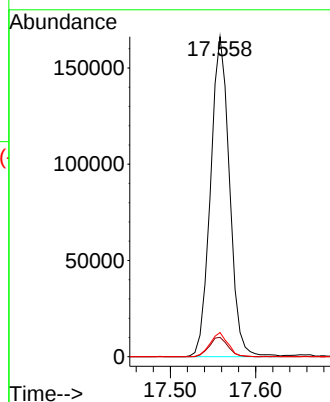
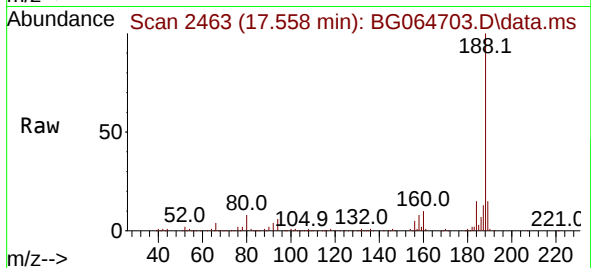
Tgt Ion:188 Resp: 257019

Ion Ratio Lower Upper

188 100

94 6.1 5.7 8.5

80 7.6 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.867 ng

RT: 16.301 min Scan# 2249

Delta R.T. 0.358 min

Lab File: BG064703.D

Acq: 6 Nov 2025 15:06

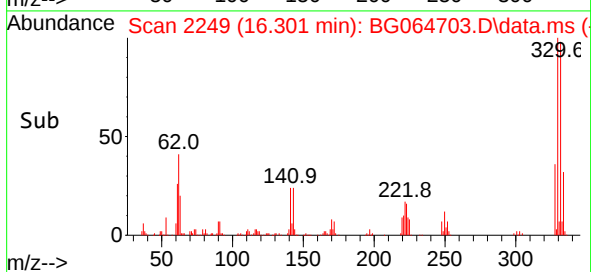
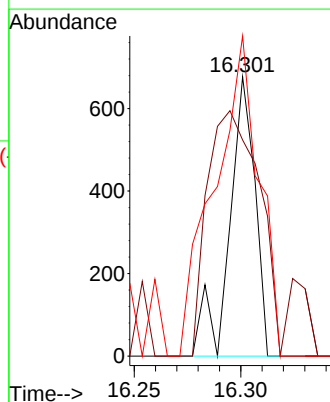
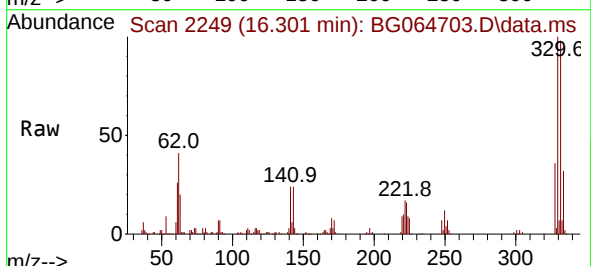
Tgt Ion:198 Resp: 562

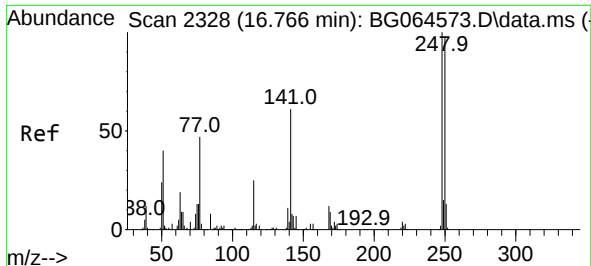
Ion Ratio Lower Upper

198 100

51 77.4 24.7 64.7#

105 114.6 18.0 58.0#

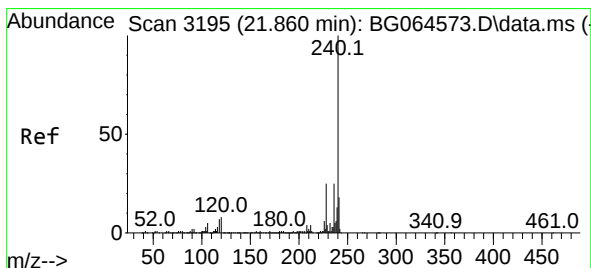
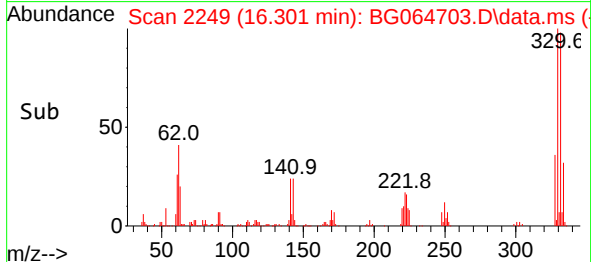
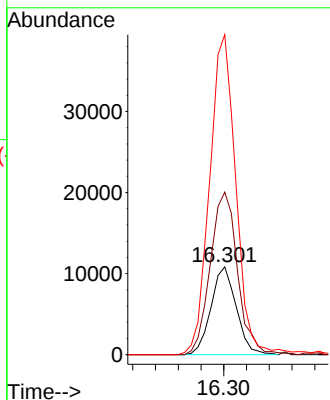
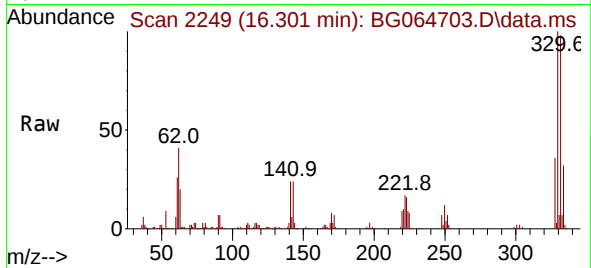




#67
4-Bromophenyl-phenylether
Concen: 5.482 ng
RT: 16.301 min Scan# 21
Delta R.T. -0.465 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

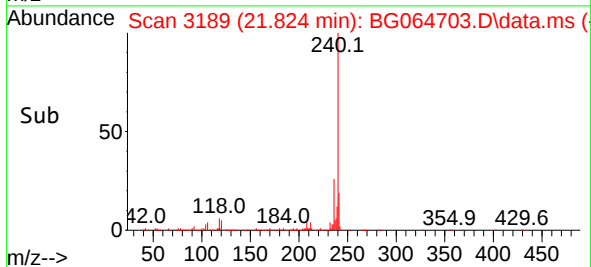
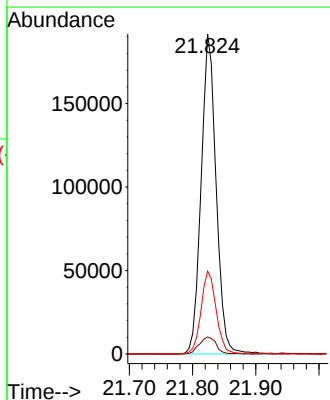
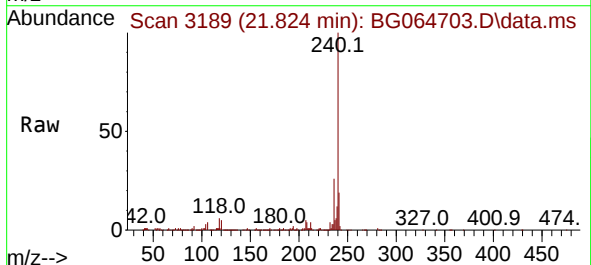
Instrument :
BNA_G
ClientSampleId :
ONYX-1

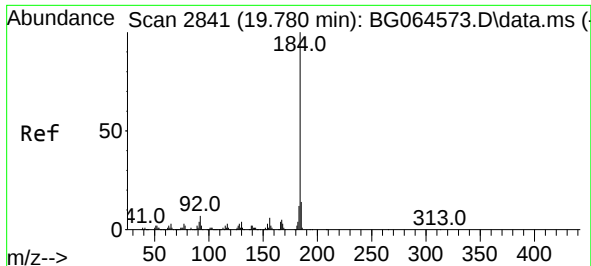
Tgt Ion:248 Resp: 16697
Ion Ratio Lower Upper
248 100
250 189.2 77.7 116.5#
141 281.5 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.824 min Scan# 3189
Delta R.T. -0.036 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

Tgt Ion:240 Resp: 315465
Ion Ratio Lower Upper
240 100
120 5.3 6.5 9.7#
236 25.9 20.2 30.2

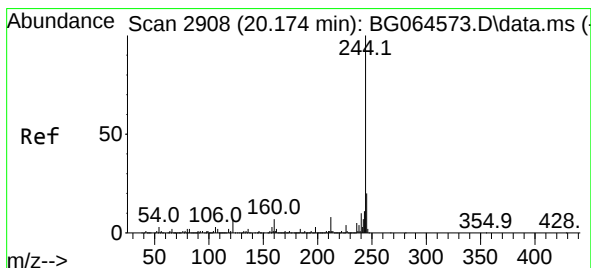
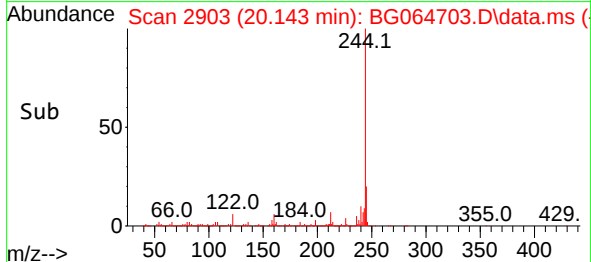
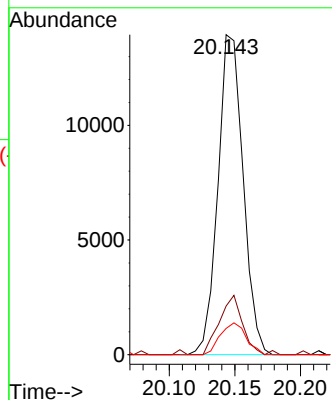
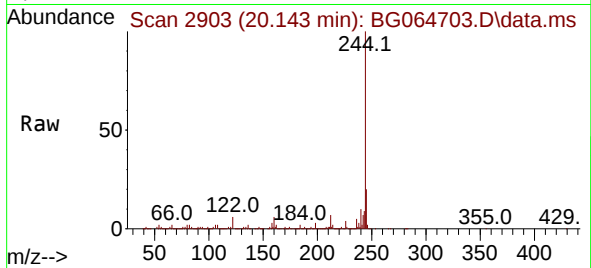




#77
Benzidine
Concen: 2.632 ng
RT: 20.143 min Scan# 2903
Delta R.T. 0.363 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

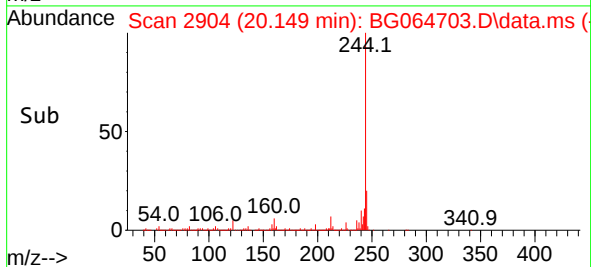
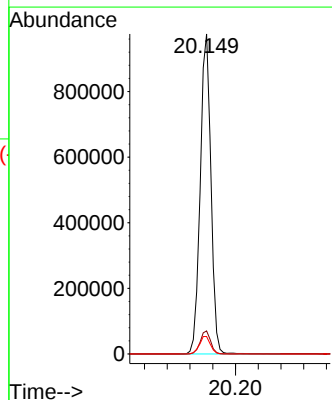
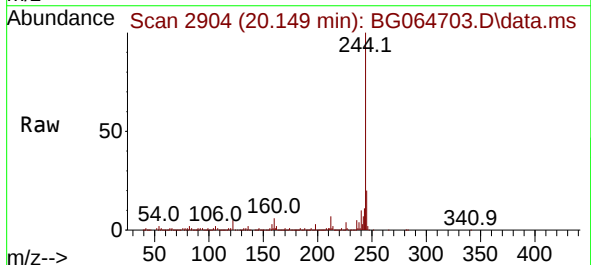
Instrument :
BNA_G
ClientSampleId :
ONYX-1

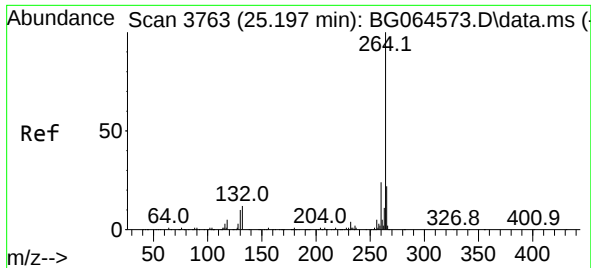
Tgt Ion:184 Resp: 18605
Ion Ratio Lower Upper
184 100
185 15.2 11.4 17.2
183 8.2 9.4 14.2#



#79
Terphenyl-d14
Concen: 76.212 ng
RT: 20.149 min Scan# 2904
Delta R.T. -0.024 min
Lab File: BG064703.D
Acq: 6 Nov 2025 15:06

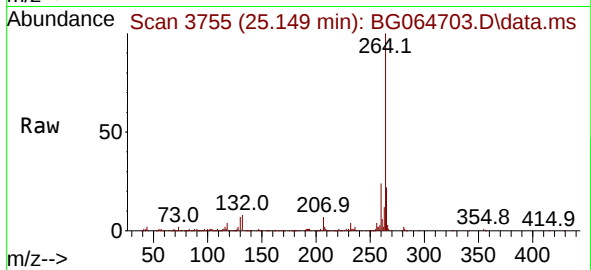
Tgt Ion:244 Resp: 1273992
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 5.5 5.6 8.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.149 min Scan# 31
 Delta R.T. -0.048 min
 Lab File: BG064703.D
 Acq: 6 Nov 2025 15:06

Instrument :
 BNA_G
 ClientSampleId :
 ONYX-1



Tgt Ion:264 Resp: 353542
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 21.7 17.6 26.4

