

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064662.D
 Acq On : 31 Oct 2025 18:57
 Operator : RC/JU
 Sample : Q3495-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 23:28:24 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)

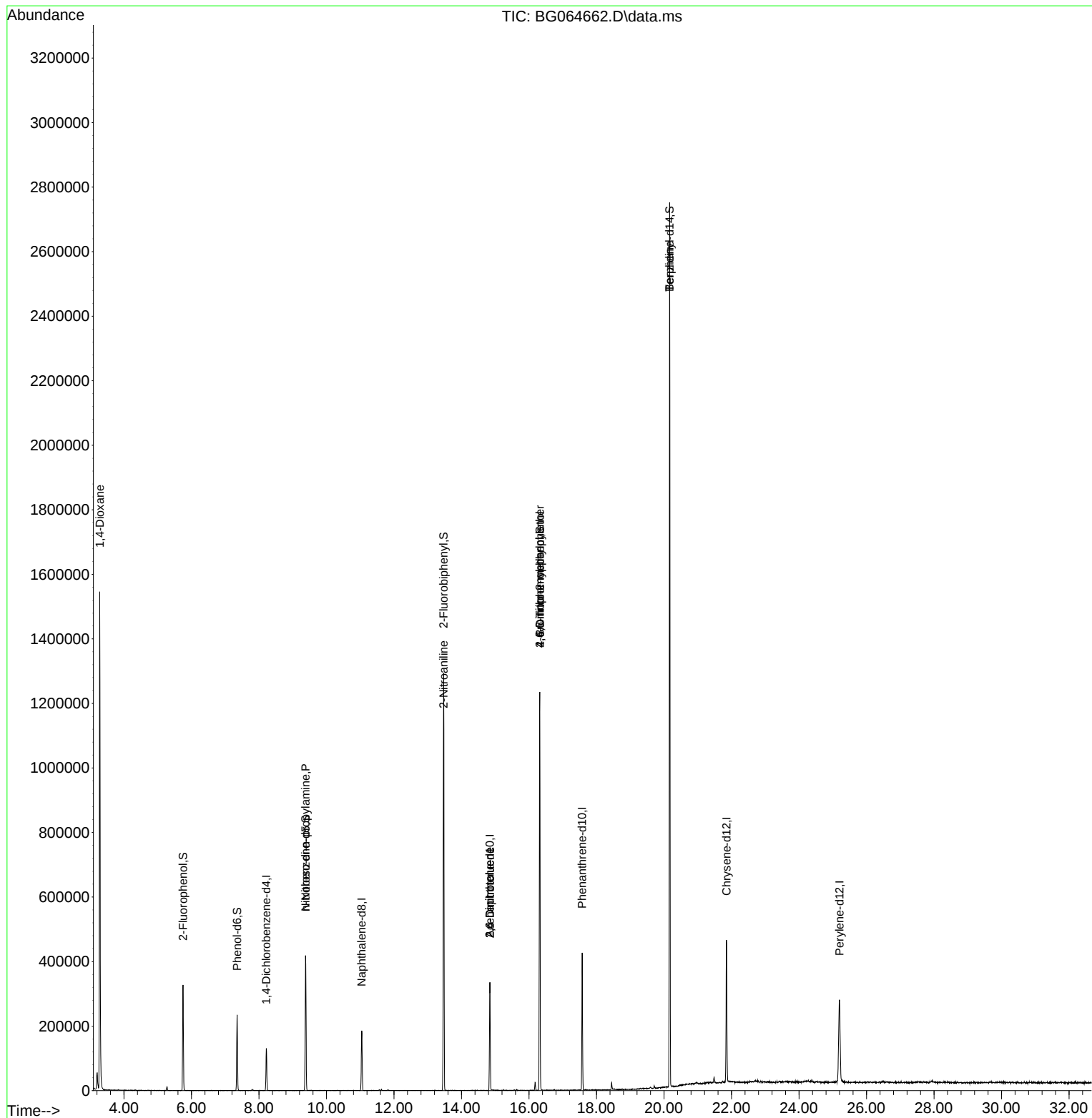
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	37784	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	154992	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	121331	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	273070	20.000	ng	0.00
76) Chrysene-d12	21.849	240	293377	20.000	ng	-0.01
86) Perylene-d12	25.198	264	322218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	133611	59.355	ng	0.00
7) Phenol-d6	7.354	99	126232	40.866	ng	0.00
23) Nitrobenzene-d5	9.381	82	236497	91.647	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	279559	159.641	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	685414	85.626	ng	0.00
79) Terphenyl-d14	20.168	244	1415043	91.024	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.282	88	12266	12.308	ng	# 1
19) n-Nitroso-di-n-propyla...	9.381	70	31803	14.898	ng	# 70
48) 2-Nitroaniline	13.464	65	1273	3.768	ng	# 45
51) 2,6-Dinitrotoluene	14.839	165	15810	12.827	ng	# 19
57) 2,4-Dinitrotoluene	14.839	165	15810	9.302	ng	# 22
65) 4,6-Dinitro-2-methylph...	16.320	198	732	5.967	ng	# 64
67) 4-Bromophenyl-phenylether	16.320	248	17721	5.476	ng	# 1
77) Benzidine	20.168	184	21604	3.287	ng	# 95

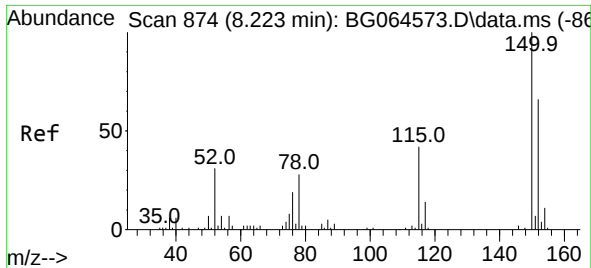
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064662.D
Acq On : 31 Oct 2025 18:57
Operator : RC/JU
Sample : Q3495-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

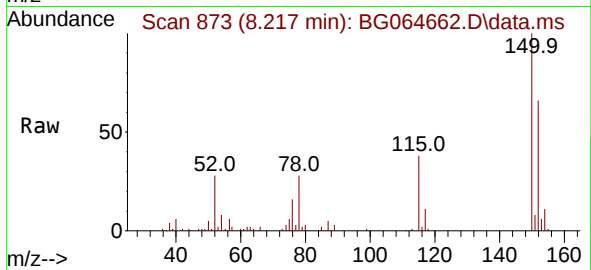
Quant Time: Oct 31 23:28:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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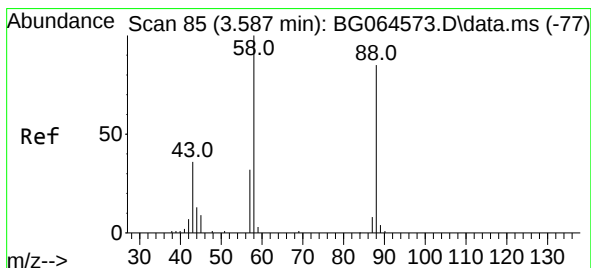
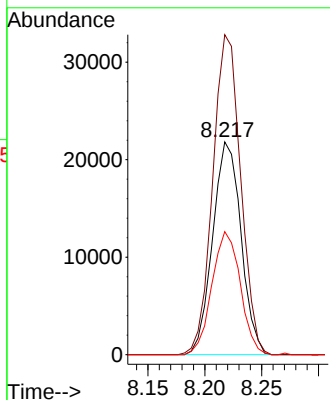
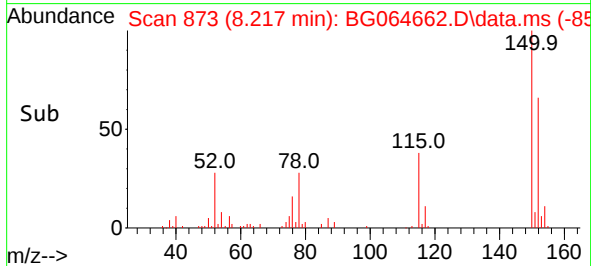


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.217 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG064662.D
 Acq: 31 Oct 2025 18:57

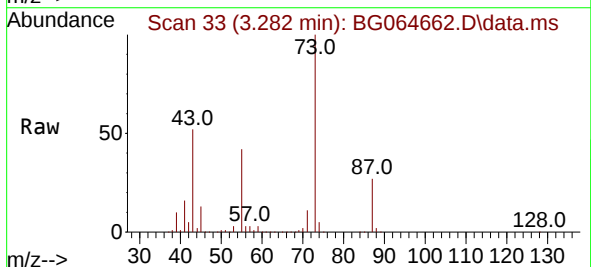
Instrument :
 BNA_G
 ClientSampleId :



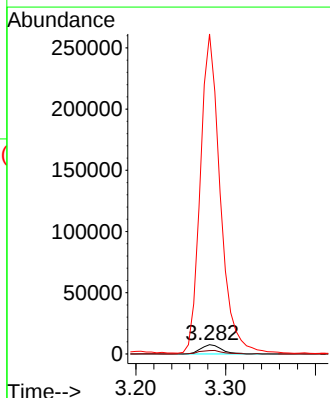
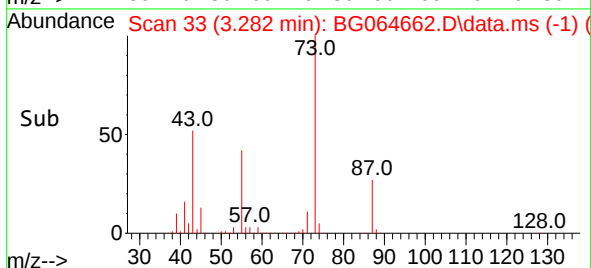
Tgt Ion:152 Resp: 37784
 Ion Ratio Lower Upper
 152 100
 150 150.4 122.2 183.4
 115 57.8 50.8 76.2

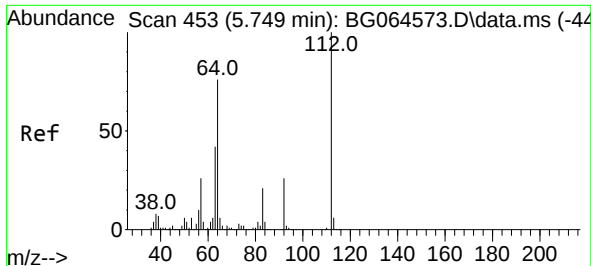


#2
 1,4-Dioxane
 Concen: 12.308 ng
 RT: 3.282 min Scan# 33
 Delta R.T. -0.309 min
 Lab File: BG064662.D
 Acq: 31 Oct 2025 18:57



Tgt Ion: 88 Resp: 12266
 Ion Ratio Lower Upper
 88 100
 58 42.1 92.4 138.6#
 43 3277.5 33.0 49.6#

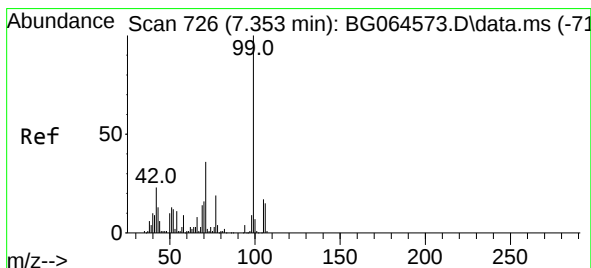
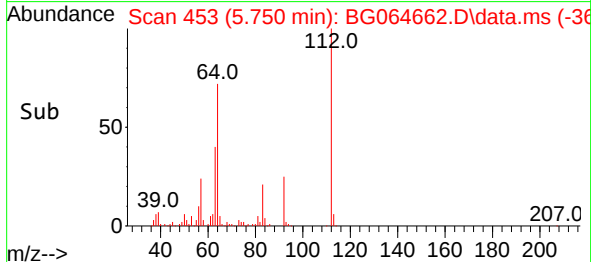
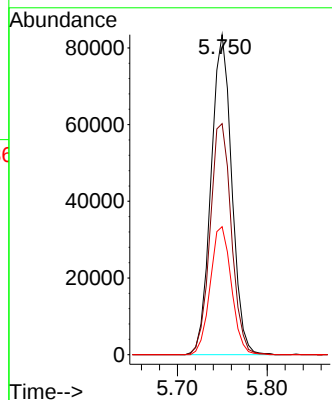
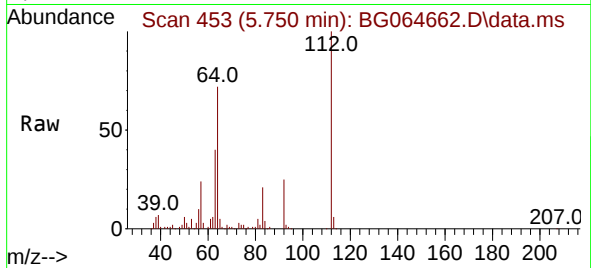




#5
2-Fluorophenol
Concen: 59.355 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

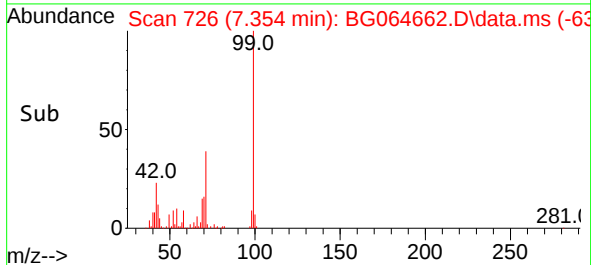
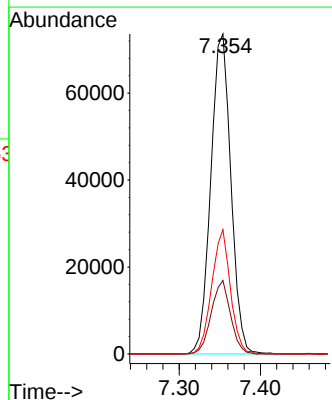
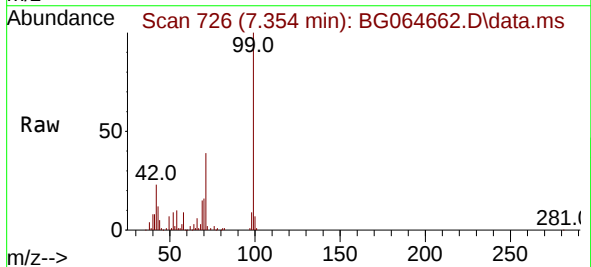
Instrument :
BNA_G
ClientSampleId :

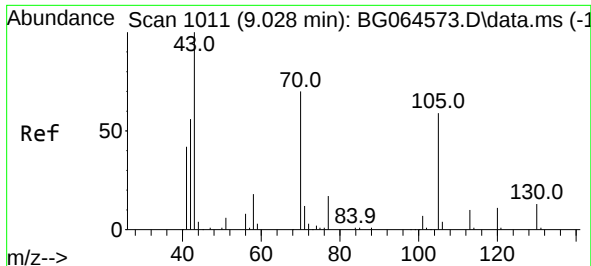
Tgt Ion:112 Resp: 133611
Ion Ratio Lower Upper
112 100
64 72.2 60.7 91.1
63 40.0 33.4 50.0



#7
Phenol-d6
Concen: 40.866 ng
RT: 7.354 min Scan# 726
Delta R.T. -0.003 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion: 99 Resp: 126232
Ion Ratio Lower Upper
99 100
42 23.0 18.3 27.5
71 38.9 28.6 43.0

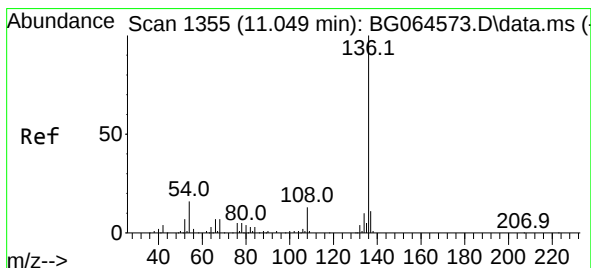
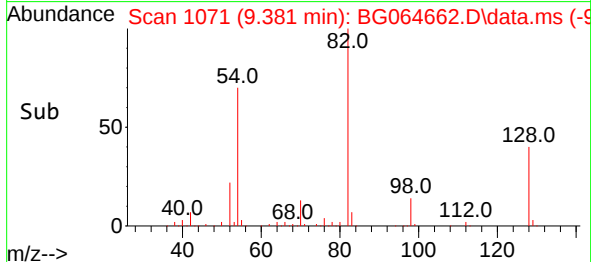
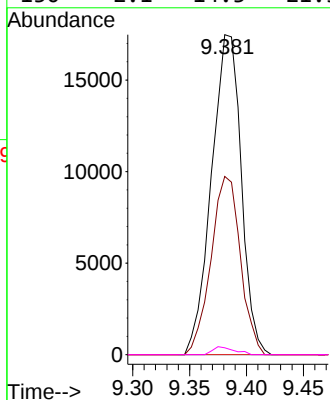
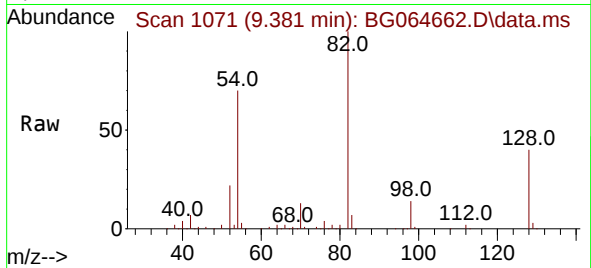




#19
n-Nitroso-di-n-propylamine
Concen: 14.898 ng
RT: 9.381 min Scan# 1011
Delta R.T. 0.349 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

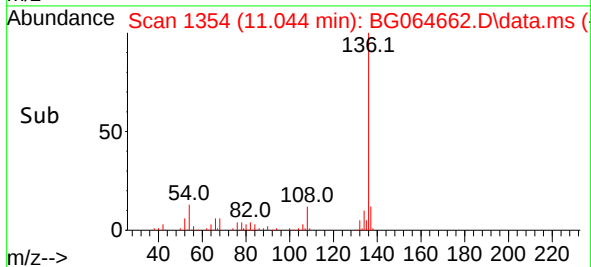
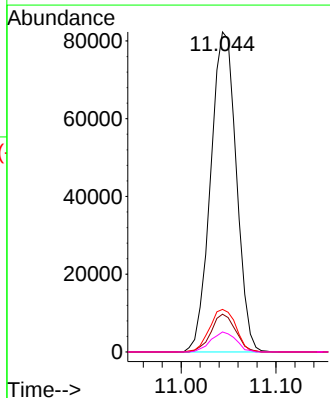
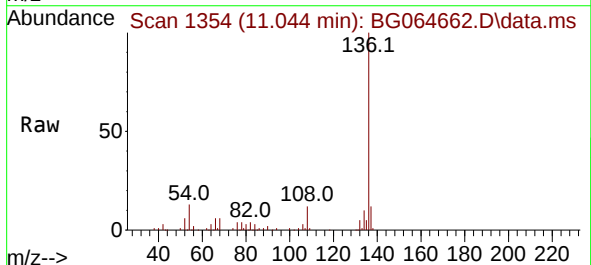
Instrument :
BNA_G
ClientSampleId :

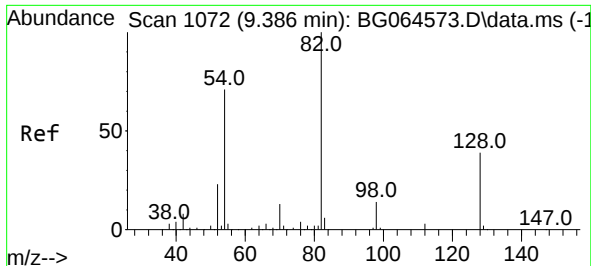
Tgt Ion: 70 Resp: 31803
Ion Ratio Lower Upper
70 100
42 55.7 65.2 97.8#
101 0.0 7.9 11.9#
130 2.1 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion:136 Resp: 154992
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 13.3 12.6 19.0
68 6.2 5.7 8.5





#23

Nitrobenzene-d5

Concen: 91.647 ng

RT: 9.381 min Scan# 1072

Delta R.T. -0.009 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

Instrument :

BNA_G

ClientSampleId :

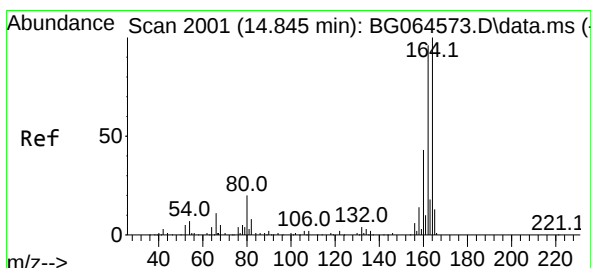
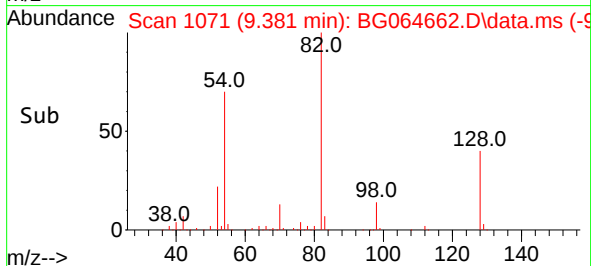
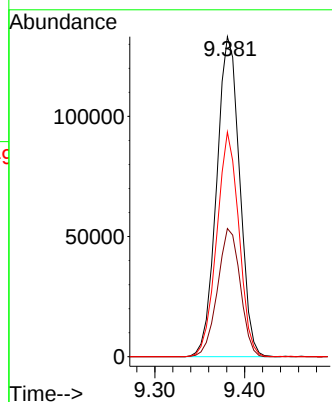
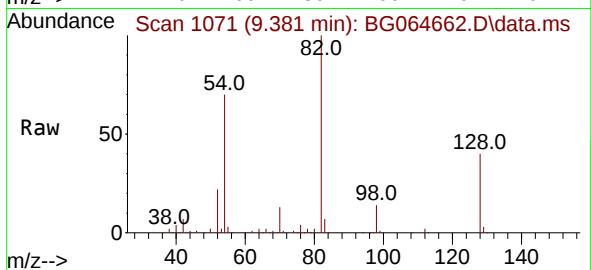
Tgt Ion: 82 Resp: 236497

Ion Ratio Lower Upper

82 100

128 40.1 31.3 46.9

54 70.2 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

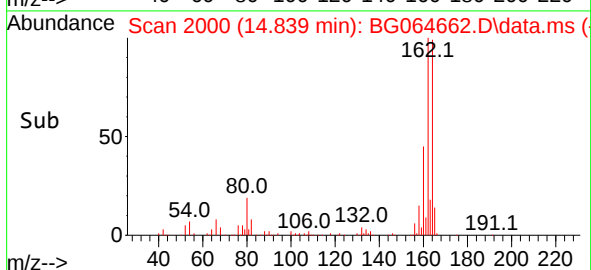
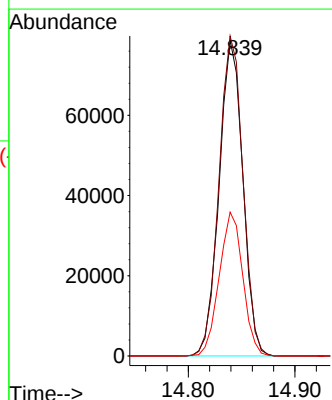
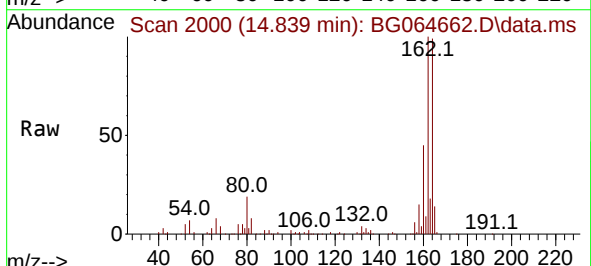
Tgt Ion:164 Resp: 121331

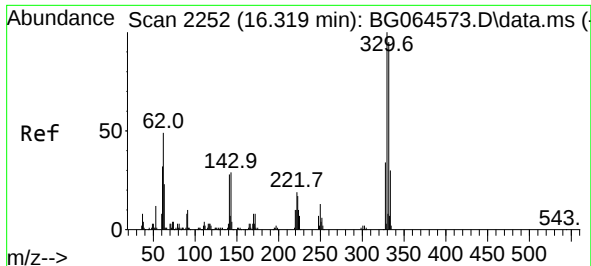
Ion Ratio Lower Upper

164 100

162 101.3 77.0 115.6

160 45.5 34.4 51.6

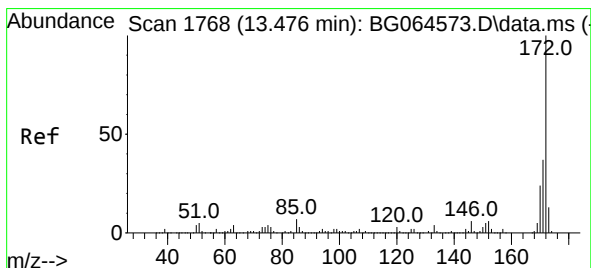
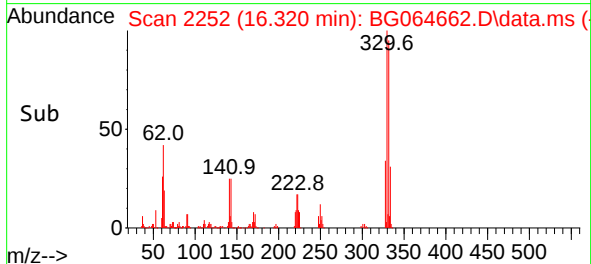
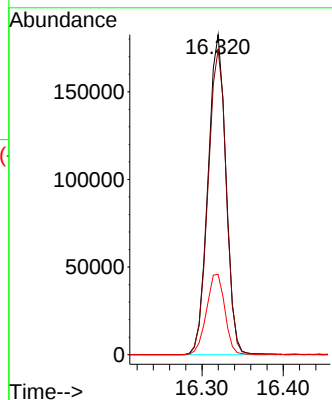
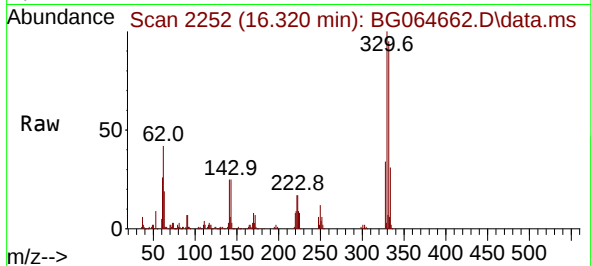




#42
2,4,6-Tribromophenol
Concen: 159.641 ng
RT: 16.320 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

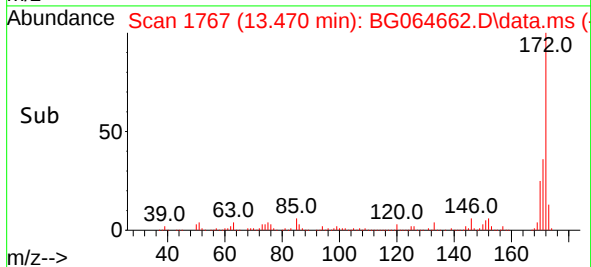
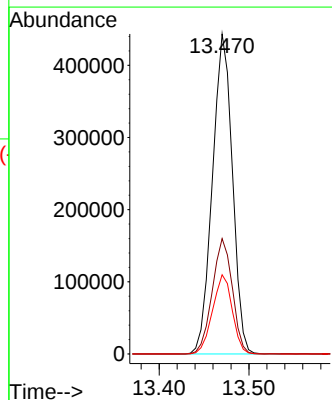
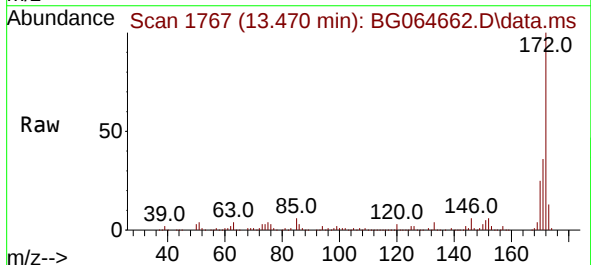
Instrument :
BNA_G
ClientSampleId :

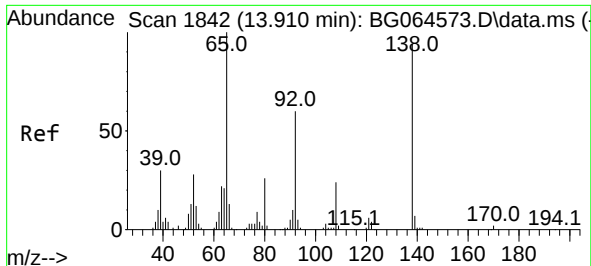
Tgt Ion:330 Resp: 279559
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 25.8 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 85.626 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

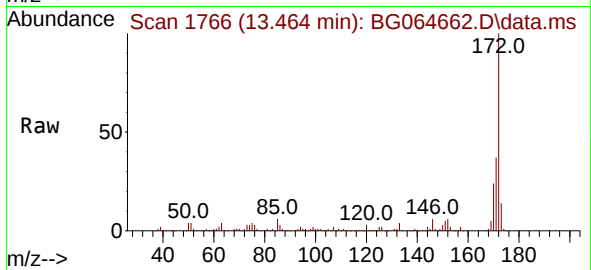
Tgt Ion:172 Resp: 685414
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.8 19.1 28.7



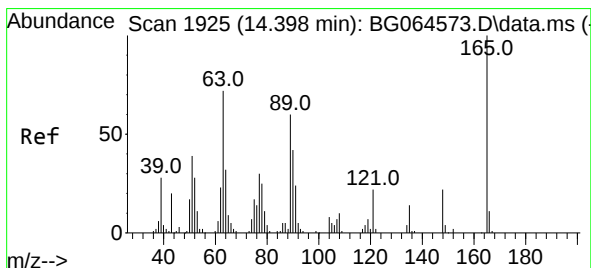
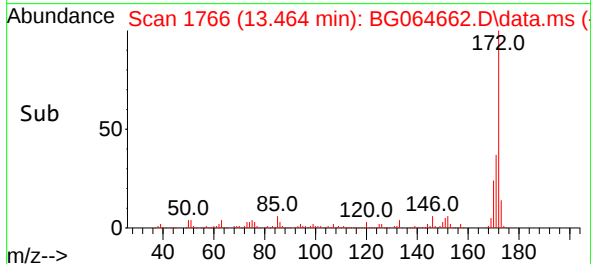
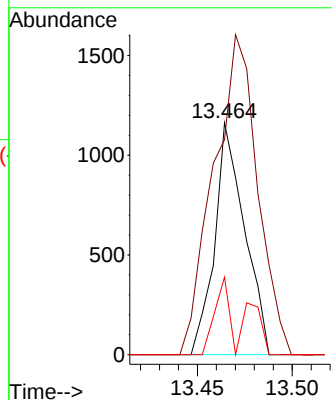


#48
2-Nitroaniline
Concen: 3.768 ng
RT: 13.464 min Scan# 11
Delta R.T. -0.450 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Instrument :
BNA_G
ClientSampleId :

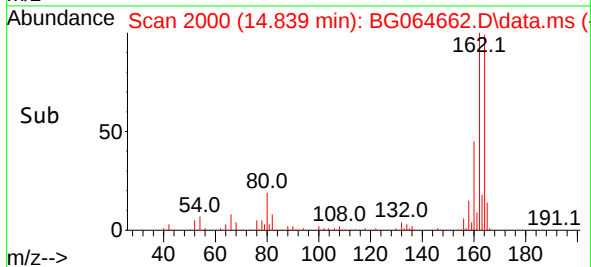
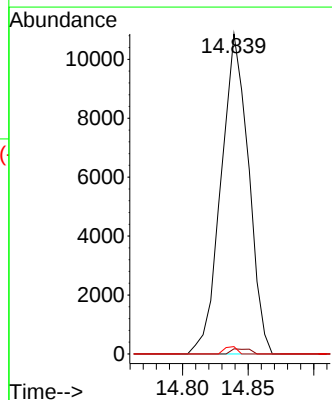
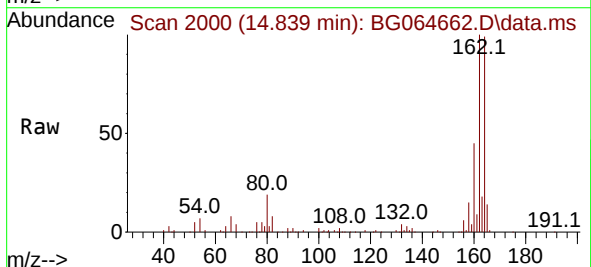


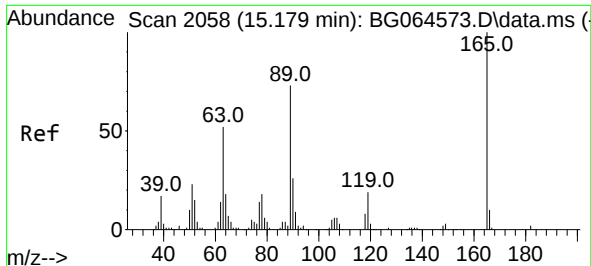
Tgt Ion: 65 Resp: 1273
Ion Ratio Lower Upper
65 100
92 92.8 48.3 72.5#
138 33.5 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.827 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion:165 Resp: 15810
Ion Ratio Lower Upper
165 100
63 1.6 57.4 86.0#
89 2.3 47.8 71.8#





#57

2,4-Dinitrotoluene

Concen: 9.302 ng

RT: 14.839 min Scan# 2058

Delta R.T. -0.350 min

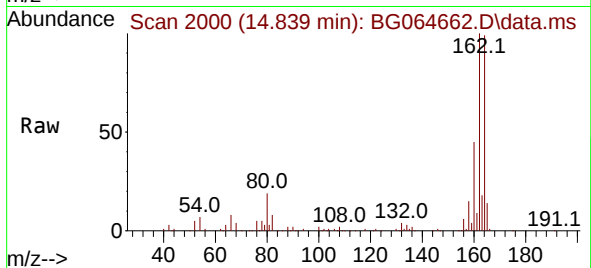
Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 15810

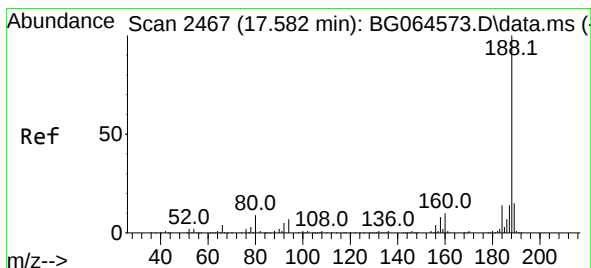
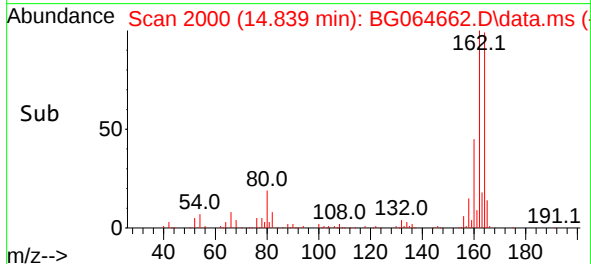
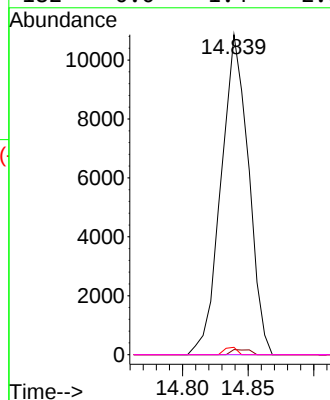
Ion Ratio Lower Upper

165 100

63 1.6 41.8 62.8#

89 2.3 58.1 87.1#

182 0.0 1.4 2.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2466

Delta R.T. -0.003 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

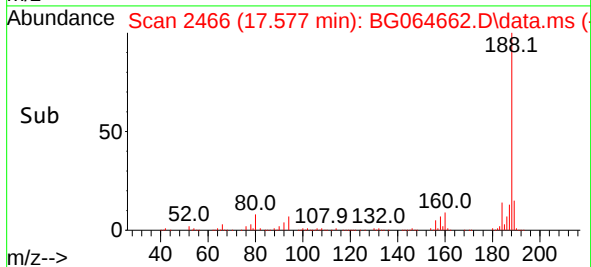
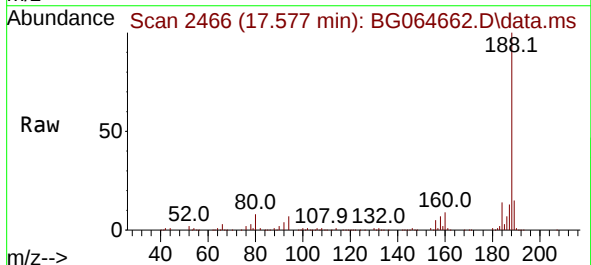
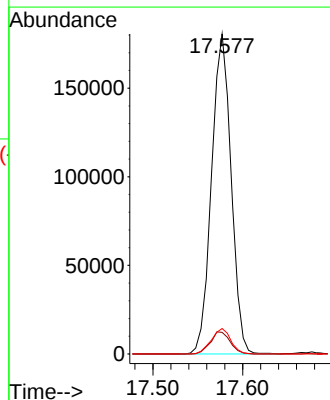
Tgt Ion:188 Resp: 273070

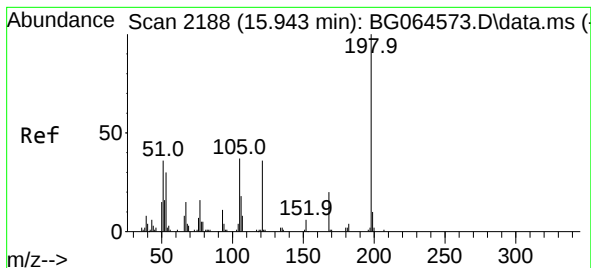
Ion Ratio Lower Upper

188 100

94 6.8 5.7 8.5

80 7.9 6.8 10.2

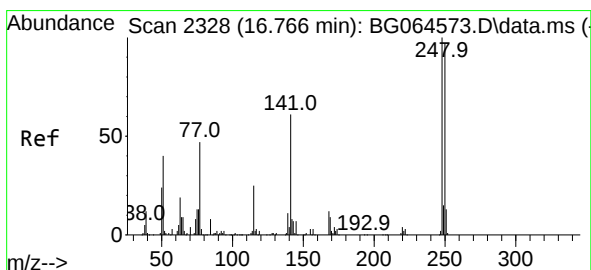
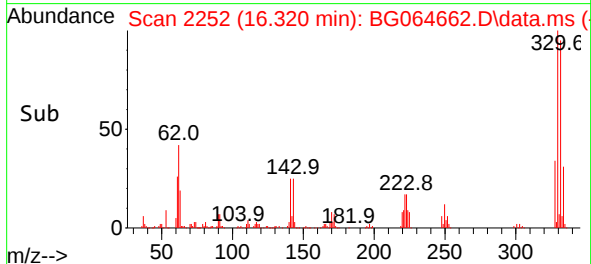
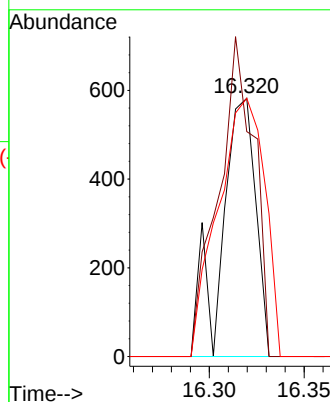
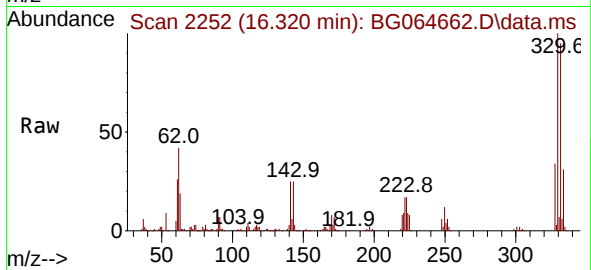




#65
4,6-Dinitro-2-methylphenol
Concen: 5.967 ng
RT: 16.320 min Scan# 2188
Delta R.T. 0.373 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

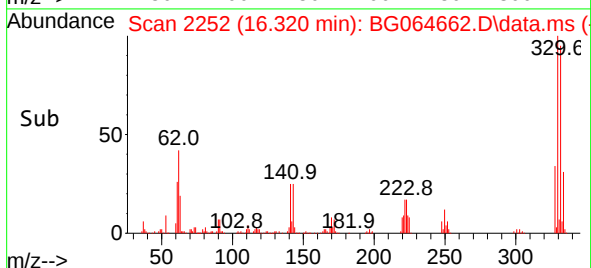
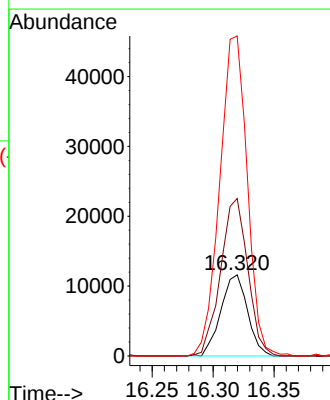
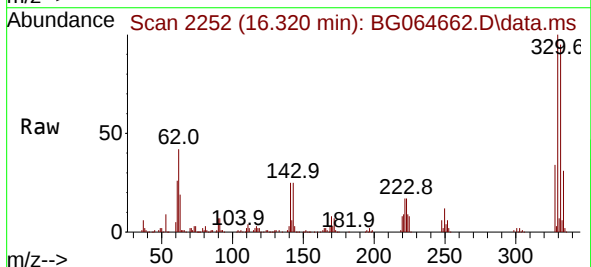
Instrument :
BNA_G
ClientSampleId :

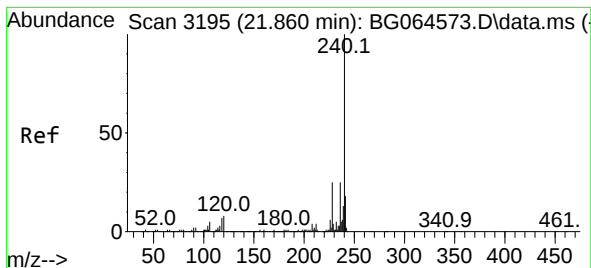
Tgt Ion:198 Resp: 732
Ion Ratio Lower Upper
198 100
51 17.4 24.7 64.7#
105 20.0 18.0 58.0



#67
4-Bromophenyl-phenylether
Concen: 5.476 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.450 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion:248 Resp: 17721
Ion Ratio Lower Upper
248 100
250 194.3 77.7 116.5#
141 298.9 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.849 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

Instrument :

BNA_G

ClientSampleId :

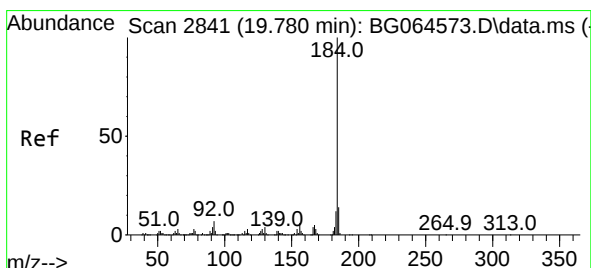
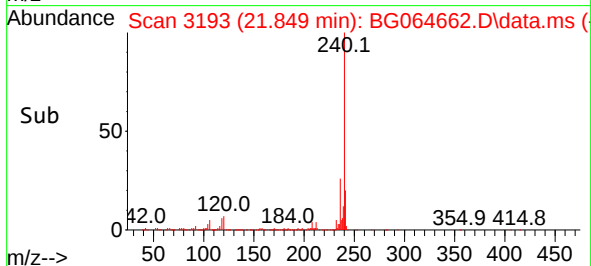
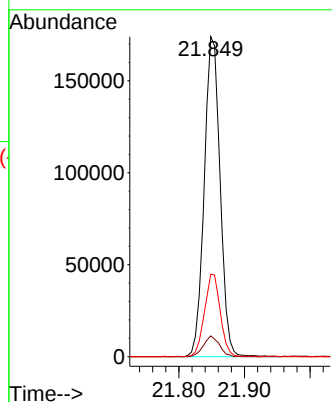
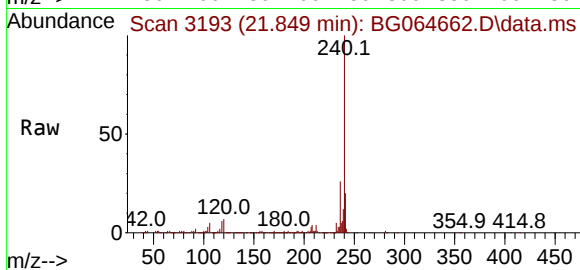
Tgt Ion:240 Resp: 293377

Ion Ratio Lower Upper

240 100

120 6.5 6.5 9.7

236 25.8 20.2 30.2



#77

Benzidine

Concen: 3.287 ng

RT: 20.168 min Scan# 2907

Delta R.T. 0.385 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

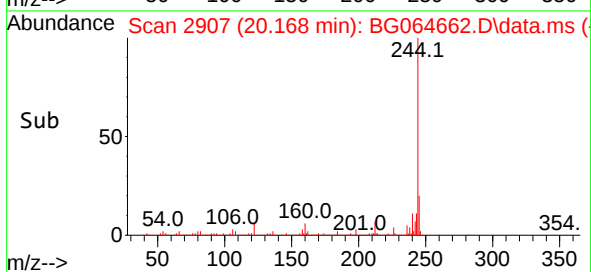
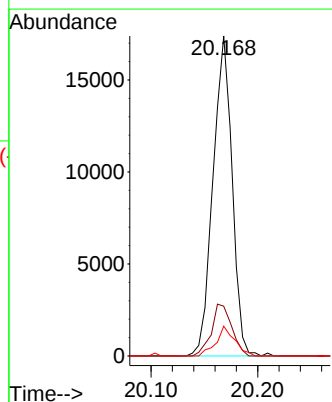
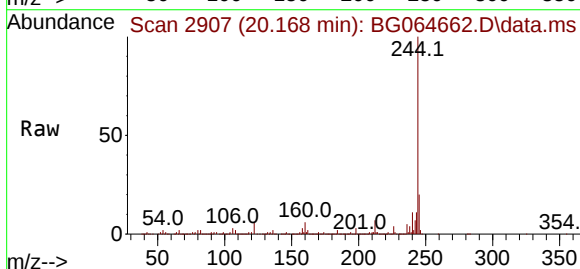
Tgt Ion:184 Resp: 21604

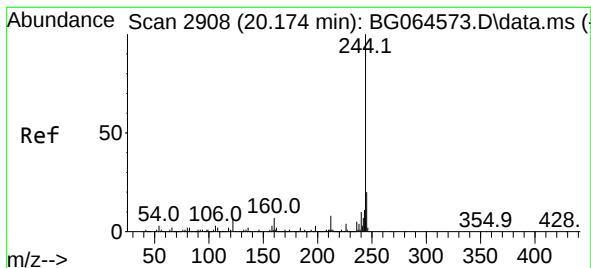
Ion Ratio Lower Upper

184 100

185 15.5 11.4 17.2

183 9.3 9.4 14.2#





#79

Terphenyl-d14

Concen: 91.024 ng

RT: 20.168 min Scan# 2907

Delta R.T. -0.009 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

Instrument :

BNA_G

ClientSampleId :

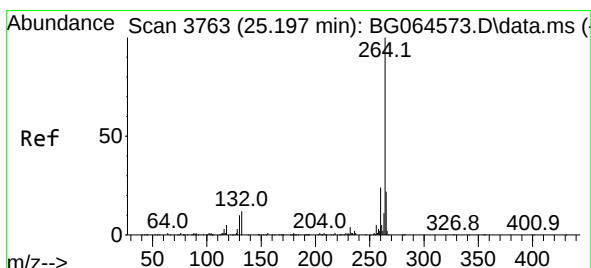
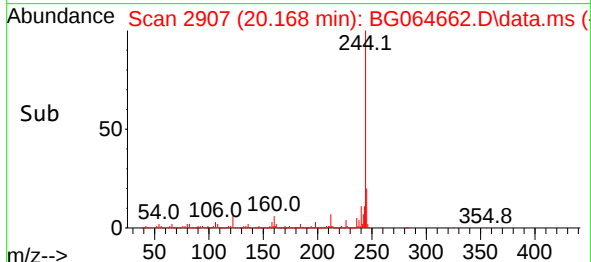
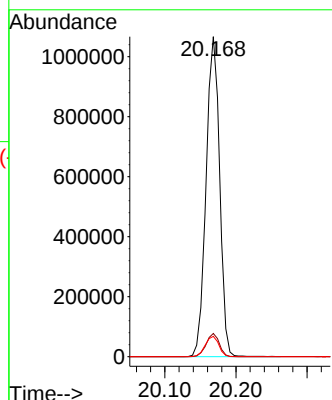
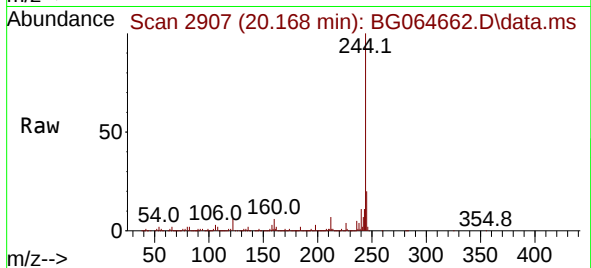
Tgt Ion:244 Resp: 1415043

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.4 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.198 min Scan# 3763

Delta R.T. -0.003 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

Tgt Ion:264 Resp: 322218

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.4 17.6 26.4

