

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064590.D
 Acq On : 27 Oct 2025 16:44
 Operator : RC/JU
 Sample : Q3439-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-10

Quant Time: Oct 27 17:21:18 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)

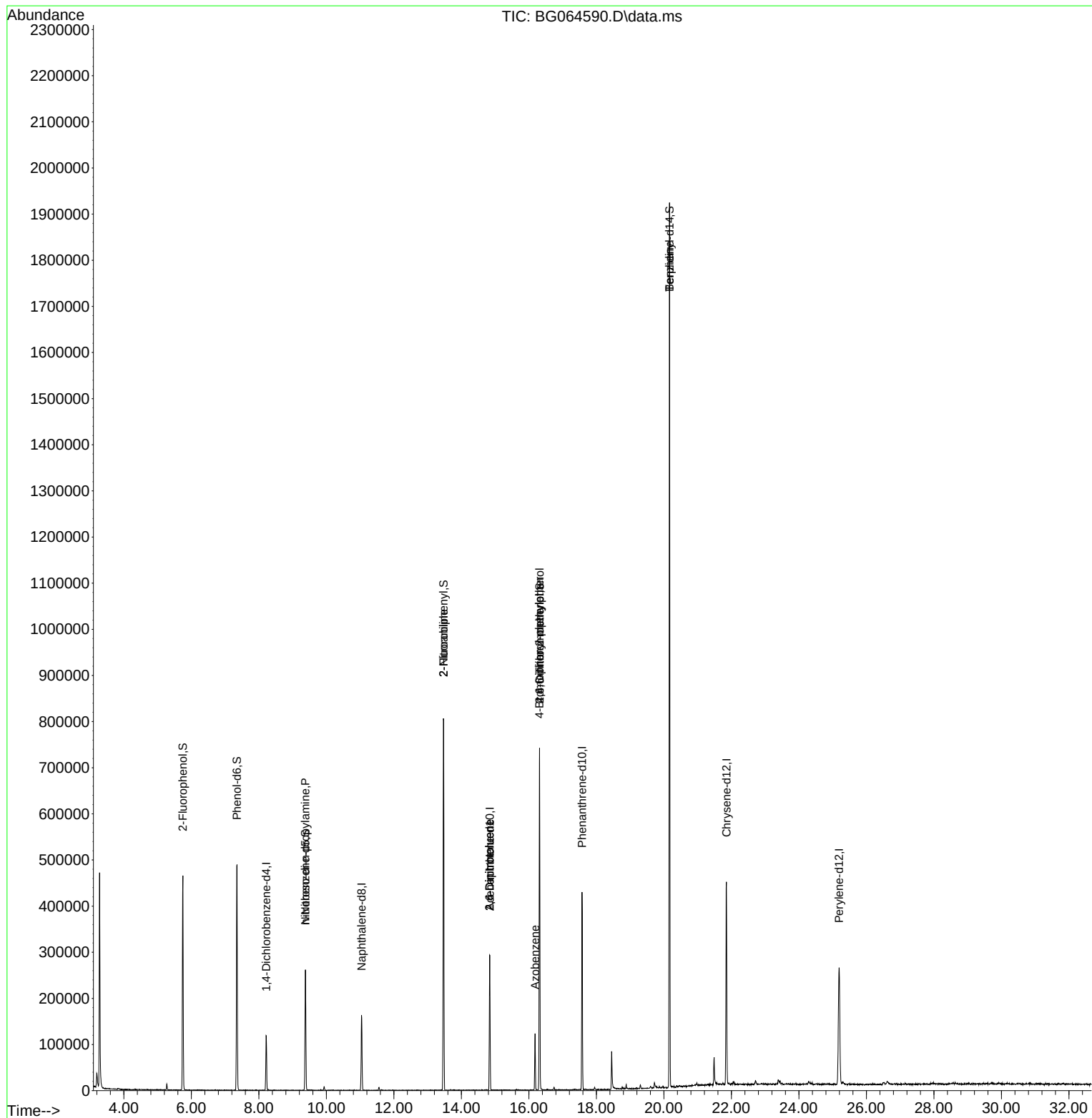
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.221	152	33531	20.000	ng	0.00
21) Naphthalene-d8	11.041	136	130378	20.000	ng	-0.01
39) Acenaphthene-d10	14.842	164	107594	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	266532	20.000	ng	0.00
76) Chrysene-d12	21.852	240	291468	20.000	ng	-0.01
86) Perylene-d12	25.189	264	307725	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	179127	89.667	ng	0.00
7) Phenol-d6	7.351	99	261015	95.218	ng	0.00
23) Nitrobenzene-d5	9.378	82	139263	64.156	ng	-0.01
42) 2,4,6-Tribromophenol	16.317	330	151696	97.685	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	426745	60.118	ng	0.00
79) Terphenyl-d14	20.165	244	948988	61.444	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.378	70	18544	9.788	ng	# 74
48) 2-Nitroaniline	13.473	65	705	3.564	ng	# 1
51) 2,6-Dinitrotoluene	14.836	165	13538	12.496	ng	# 18
57) 2,4-Dinitrotoluene	14.836	165	13538	9.087	ng	# 21
63) Azobenzene	16.182	77	34392	4.459	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.317	198	394	5.725	ng	# 1
67) 4-Bromophenyl-phenylether	16.311	248	10291	3.258	ng	# 1
77) Benzidine	20.165	184	13236	2.027	ng	95

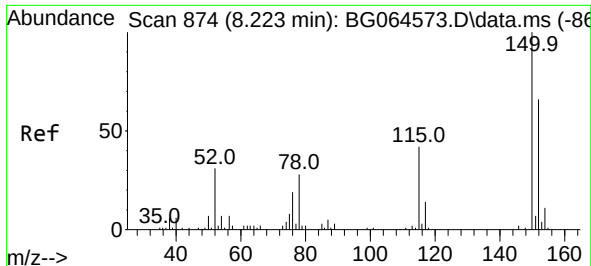
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
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Quant Time: Oct 27 17:21:18 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

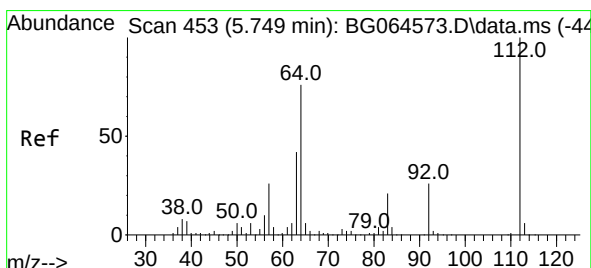
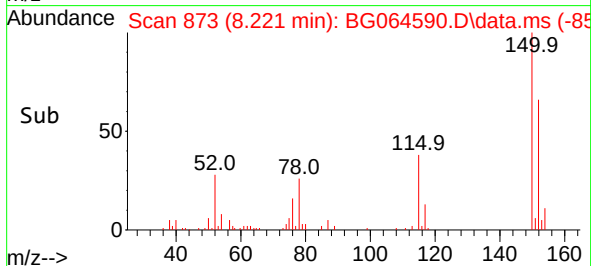
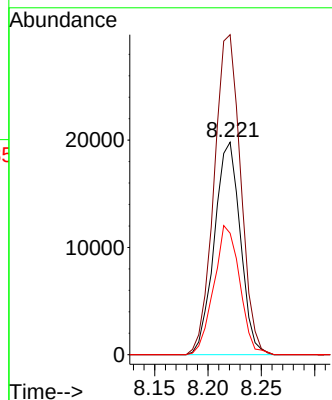
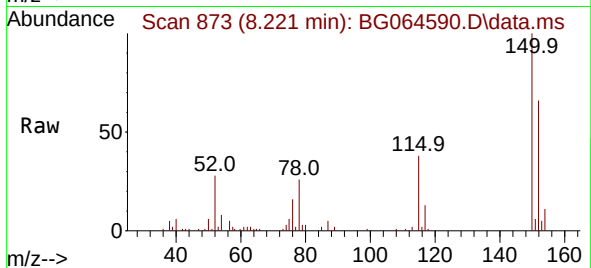




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

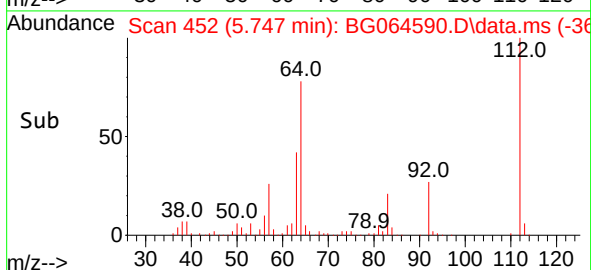
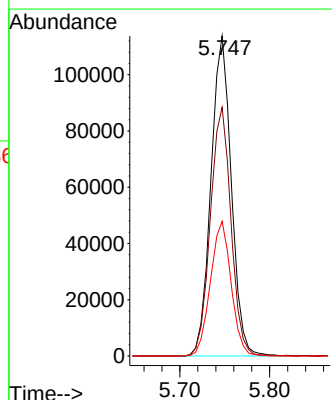
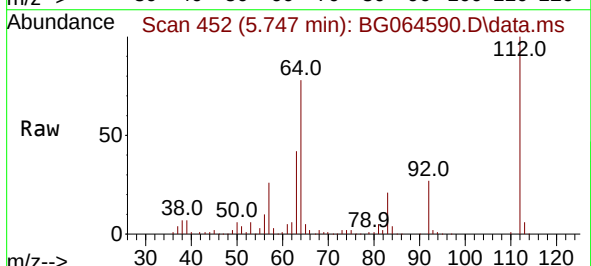
Instrument :
BNA_G
ClientSampleId :
TP-10

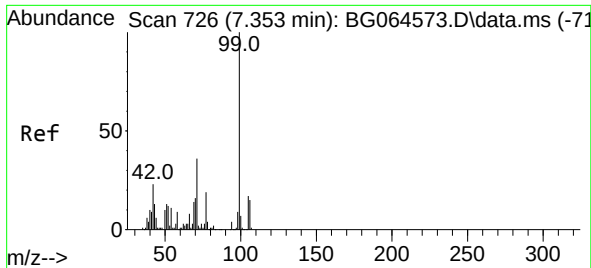
Tgt Ion:152 Resp: 33531
Ion Ratio Lower Upper
152 100
150 150.6 122.2 183.4
115 57.1 50.8 76.2



#5
2-Fluorophenol
Concen: 89.667 ng
RT: 5.747 min Scan# 452
Delta R.T. 0.000 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

Tgt Ion:112 Resp: 179127
Ion Ratio Lower Upper
112 100
64 77.7 60.7 91.1
63 42.1 33.4 50.0

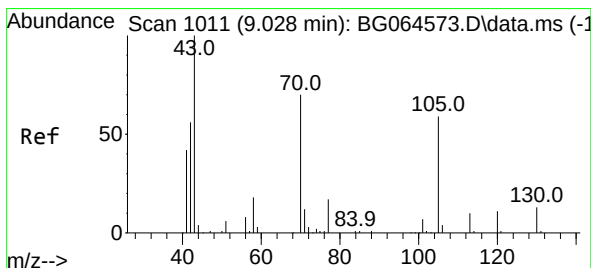
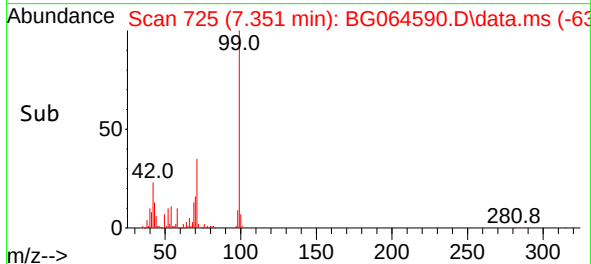
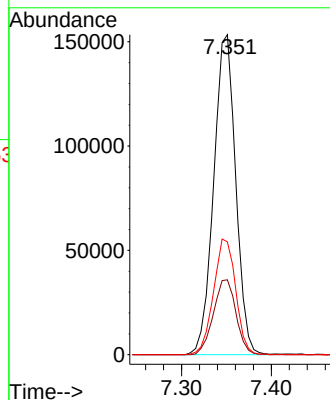
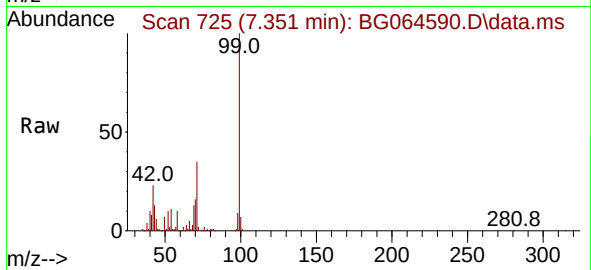




#7
Phenol-d6
Concen: 95.218 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

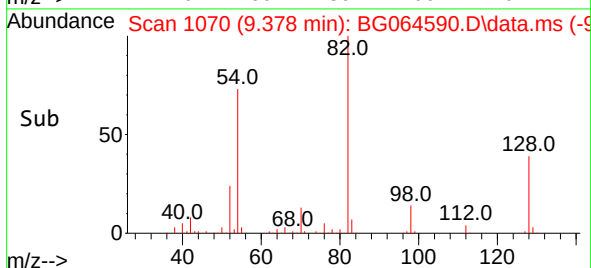
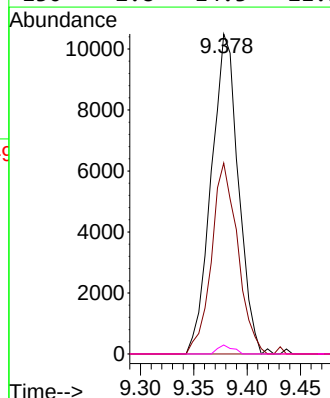
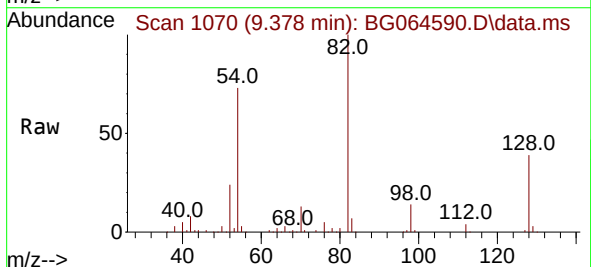
Instrument :
BNA_G
ClientSampleId :
TP-10

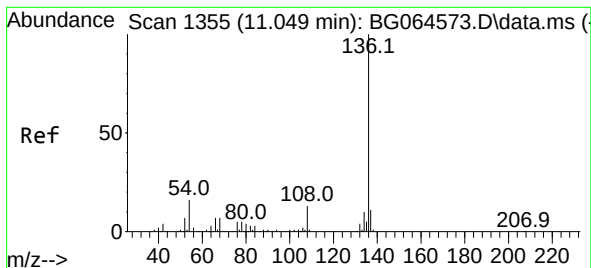
Tgt Ion: 99 Resp: 261015
Ion Ratio Lower Upper
99 100
42 23.4 18.3 27.5
71 35.3 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.788 ng
RT: 9.378 min Scan# 1070
Delta R.T. 0.347 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

Tgt Ion: 70 Resp: 18544
Ion Ratio Lower Upper
70 100
42 59.6 65.2 97.8#
101 0.0 7.9 11.9#
130 2.8 14.3 21.5#

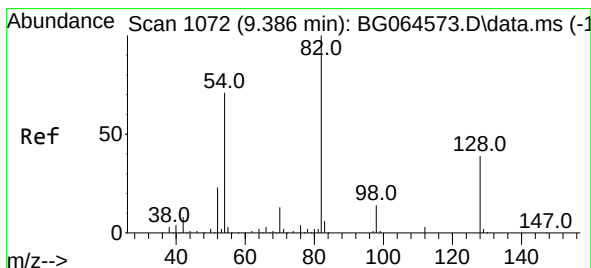
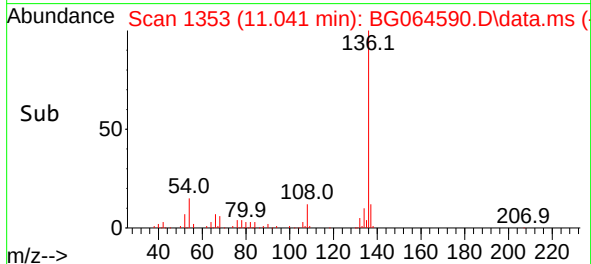
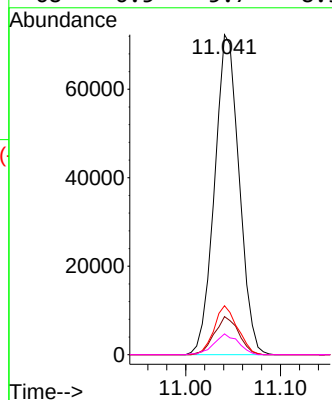
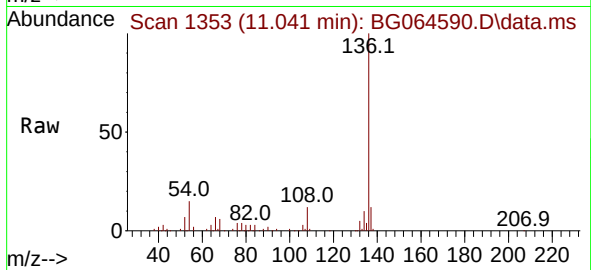




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.041 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

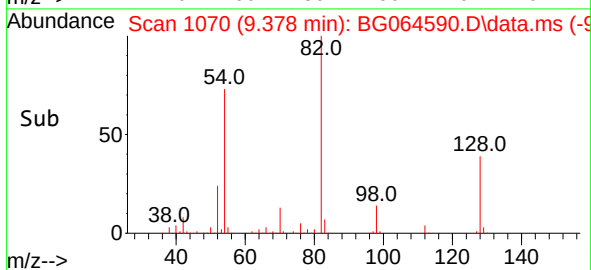
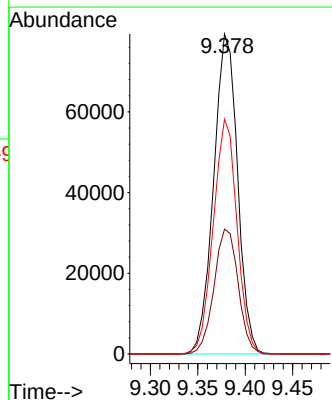
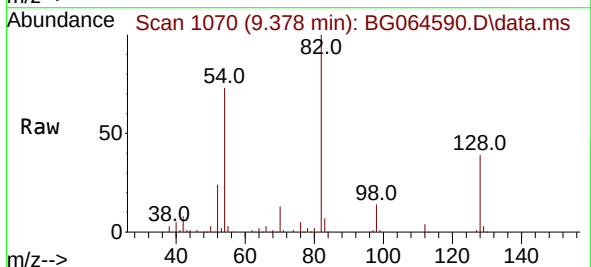
Instrument :
BNA_G
ClientSampleId :
TP-10

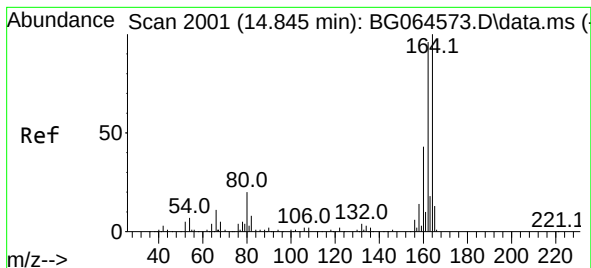
Tgt Ion:	136	Resp:	130378
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	15.3	12.6	19.0
68	6.5	5.7	8.5



#23
Nitrobenzene-d5
Concen: 64.156 ng
RT: 9.378 min Scan# 1070
Delta R.T. -0.012 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

Tgt Ion:	82	Resp:	139263
Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.3	46.9
54	73.3	56.6	84.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.842 min Scan# 20

Delta R.T. 0.000 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

Instrument :

BNA_G

ClientSampleId :

TP-10

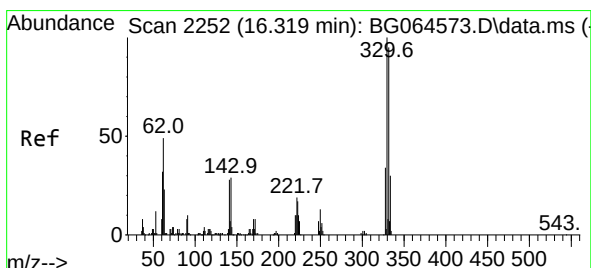
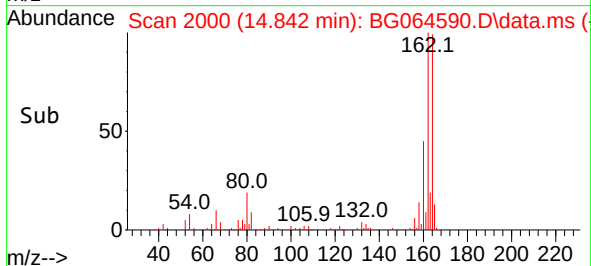
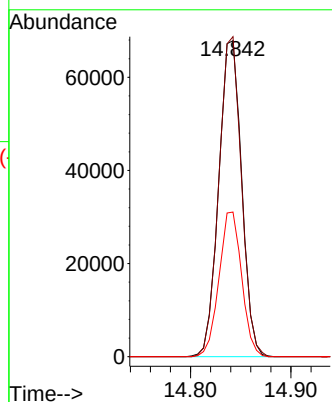
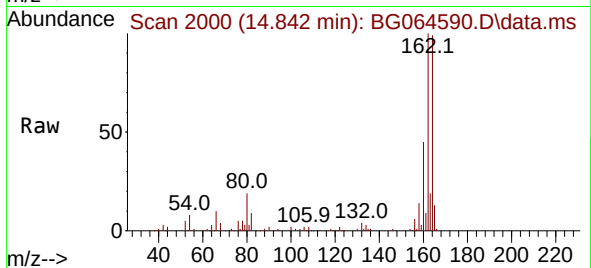
Tgt Ion:164 Resp: 107594

Ion Ratio Lower Upper

164 100

162 101.3 77.0 115.6

160 45.8 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 97.685 ng

RT: 16.317 min Scan# 2251

Delta R.T. -0.006 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

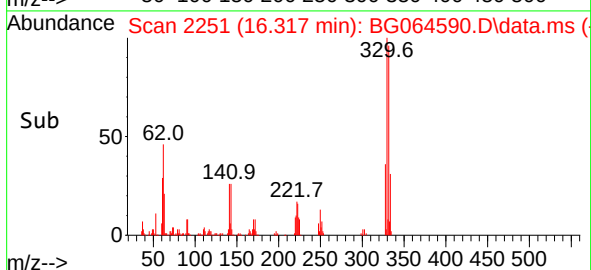
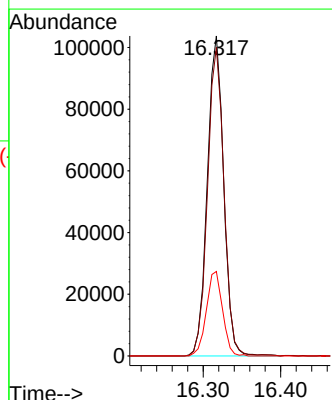
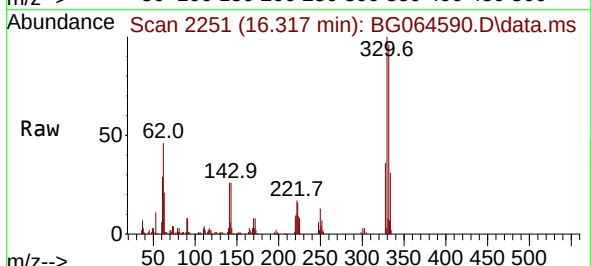
Tgt Ion:330 Resp: 151696

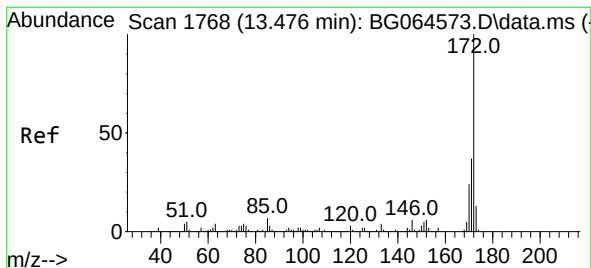
Ion Ratio Lower Upper

330 100

332 97.1 78.0 117.0

141 26.2 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 60.118 ng

RT: 13.473 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

Instrument :

BNA_G

ClientSampleId :

TP-10

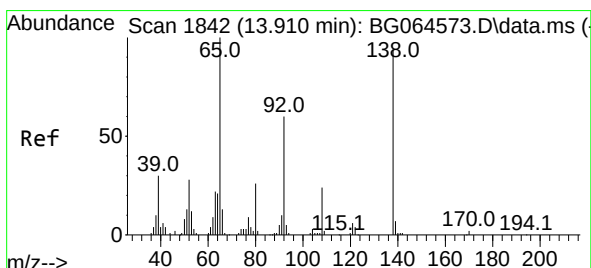
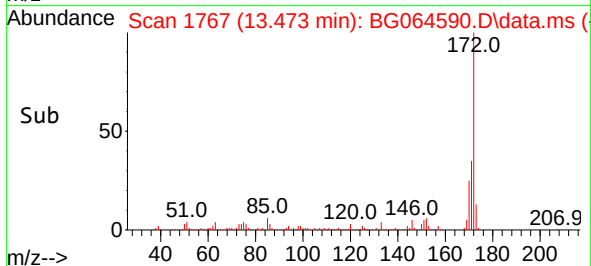
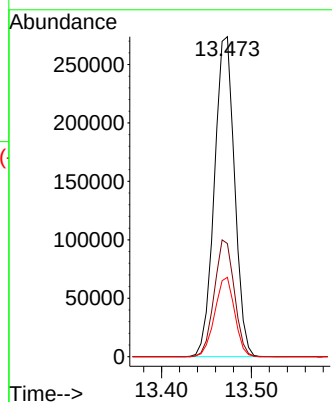
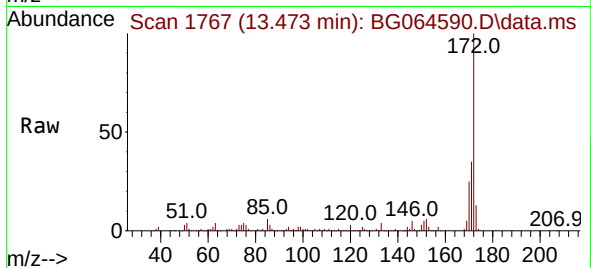
Tgt Ion:172 Resp: 426745

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 24.8 19.1 28.7



#48

2-Nitroaniline

Concen: 3.564 ng

RT: 13.473 min Scan# 1767

Delta R.T. -0.441 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

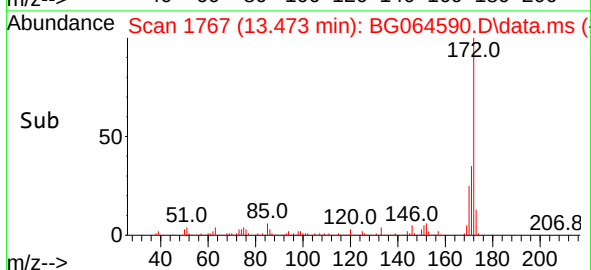
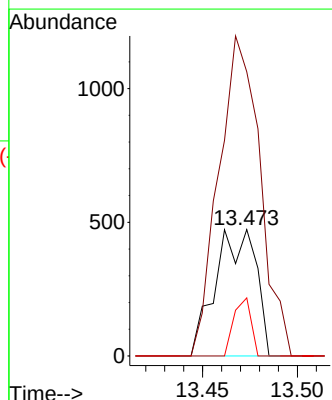
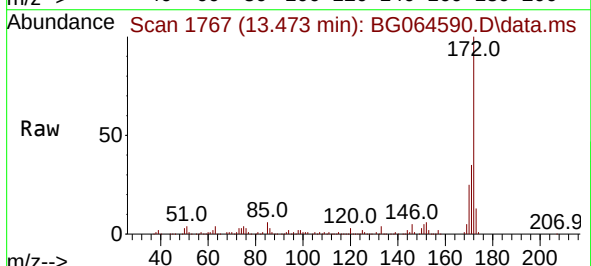
Tgt Ion: 65 Resp: 705

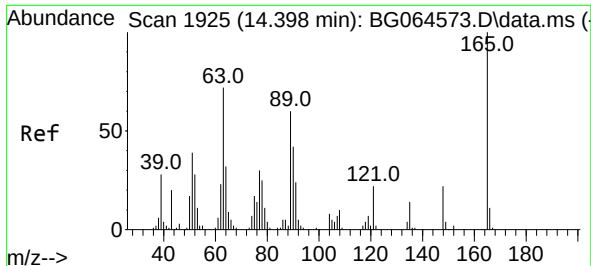
Ion Ratio Lower Upper

65 100

92 224.7 48.3 72.5#

138 45.9 74.9 112.3#





#51

2,6-Dinitrotoluene

Concen: 12.496 ng

RT: 14.836 min Scan# 19

Delta R.T. 0.434 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

Instrument :

BNA_G

ClientSampleId :

TP-10

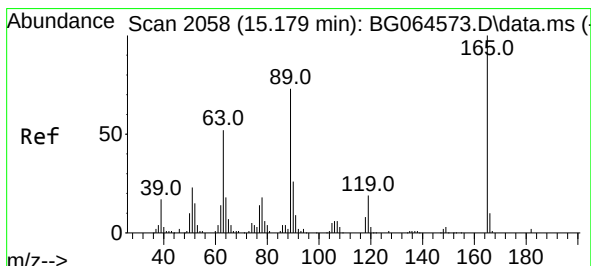
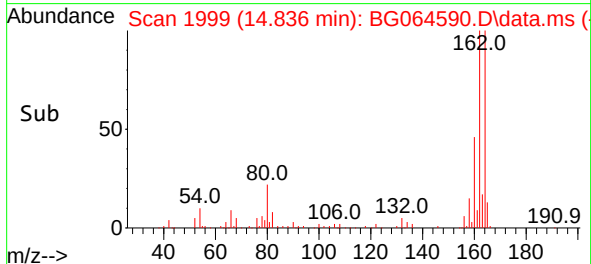
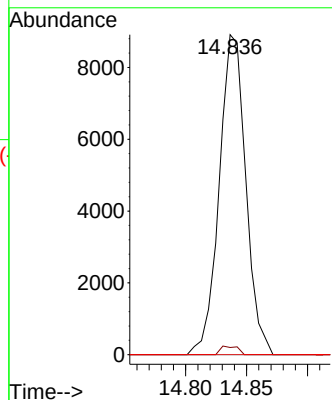
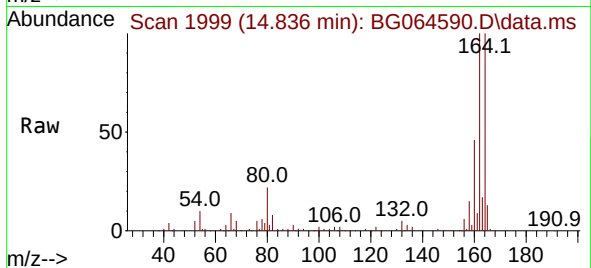
Tgt Ion:165 Resp: 13538

Ion Ratio Lower Upper

165 100

63 2.3 57.4 86.0#

89 0.0 47.8 71.8#



#57

2,4-Dinitrotoluene

Concen: 9.087 ng

RT: 14.836 min Scan# 1999

Delta R.T. -0.353 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

Tgt Ion:165 Resp: 13538

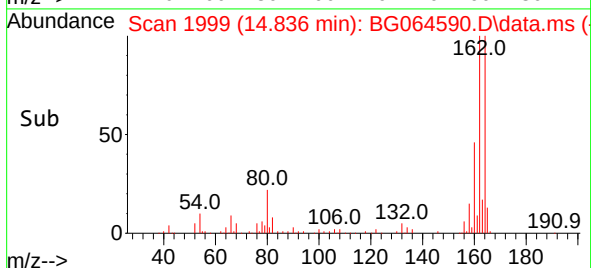
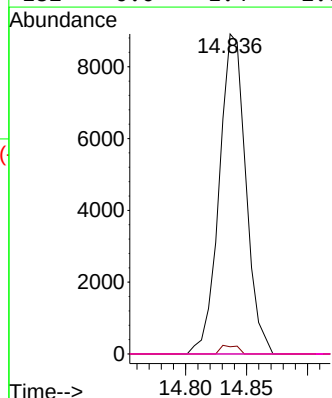
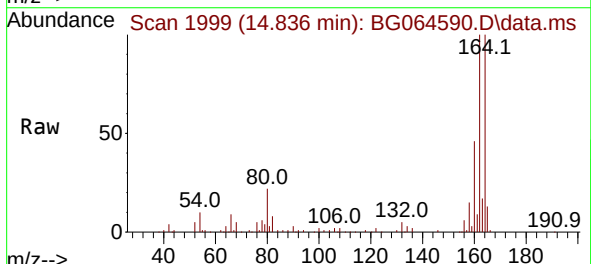
Ion Ratio Lower Upper

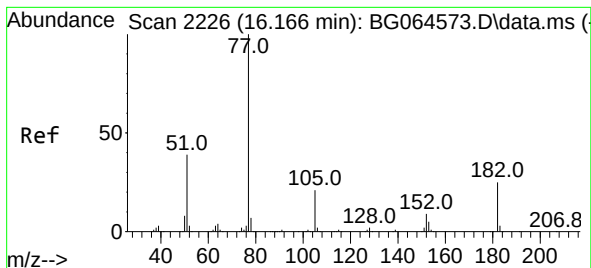
165 100

63 2.3 41.8 62.8#

89 0.0 58.1 87.1#

182 0.0 1.4 2.0#





#63

Azobenzene

Concen: 4.459 ng

RT: 16.182 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

Instrument :

BNA_G

ClientSampleId :

TP-10

Tgt Ion: 77 Resp: 34392

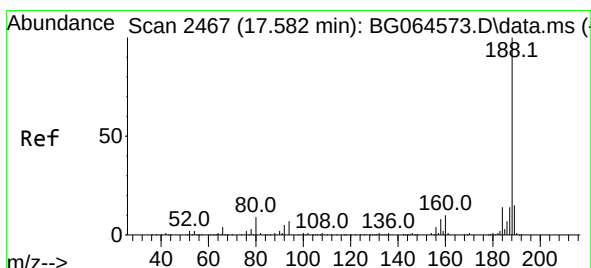
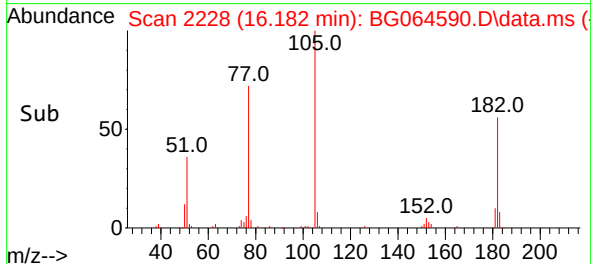
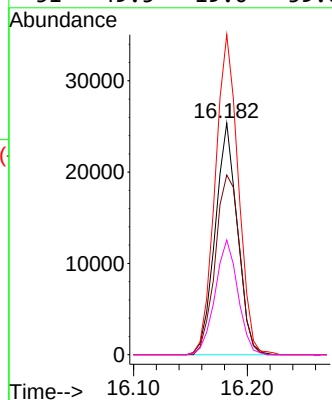
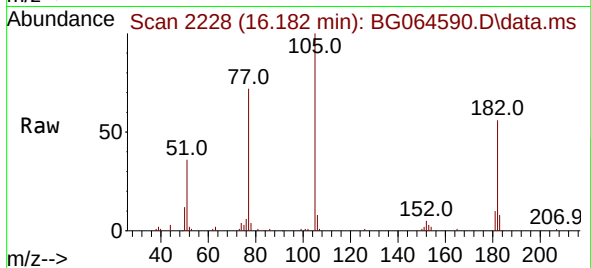
Ion Ratio Lower Upper

77 100

182 77.6 4.9 44.9#

105 138.1 1.3 41.3#

51 49.5 19.0 59.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.574 min Scan# 2465

Delta R.T. -0.006 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

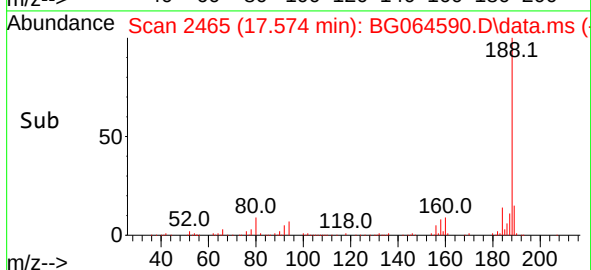
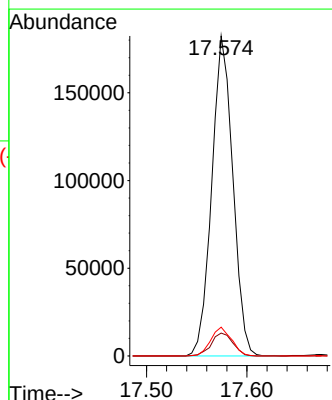
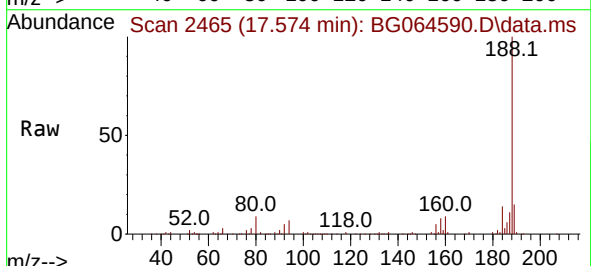
Tgt Ion:188 Resp: 266532

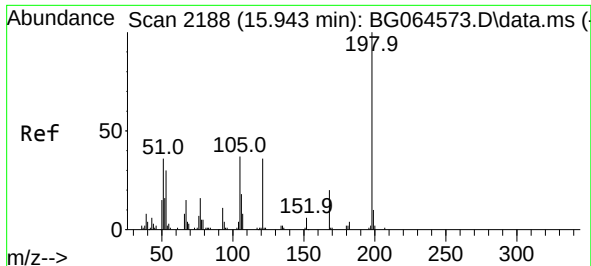
Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 9.0 6.8 10.2

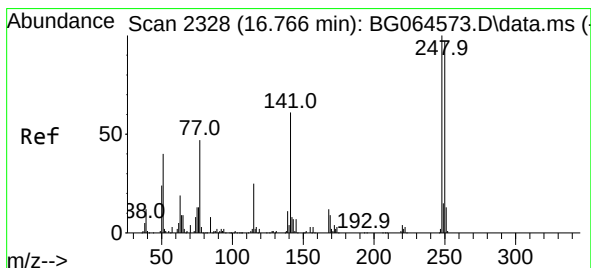
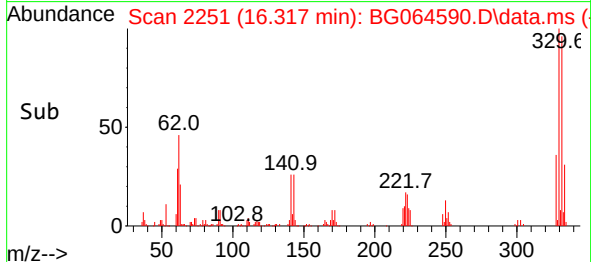
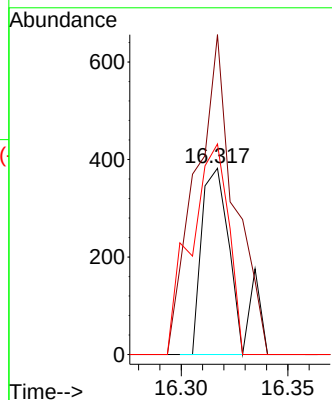
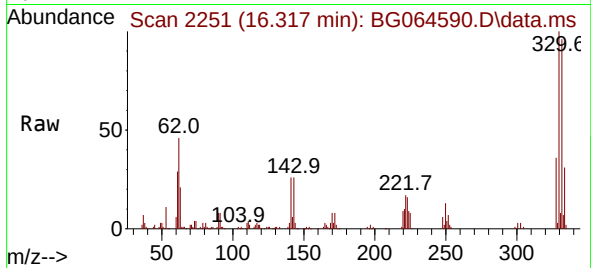




#65
4,6-Dinitro-2-methylphenol
Concen: 5.725 ng
RT: 16.317 min Scan# 2188
Delta R.T. 0.370 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

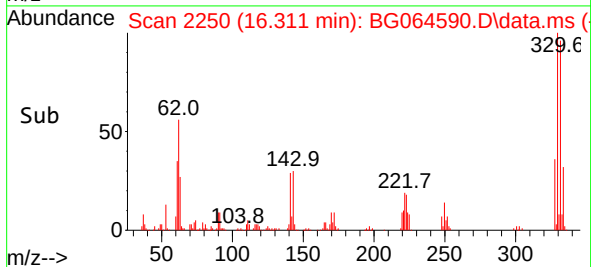
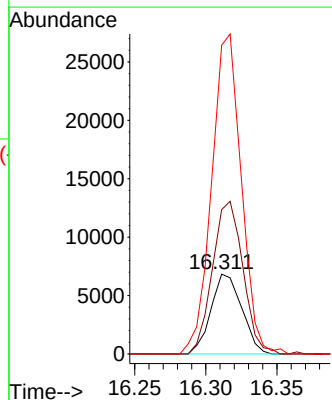
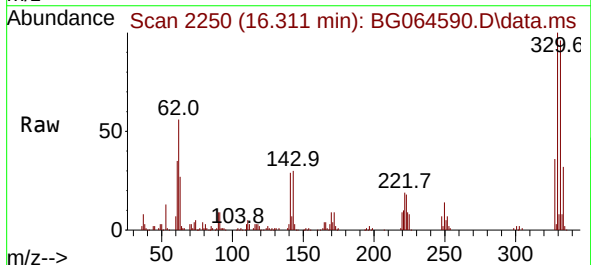
Instrument :
BNA_G
ClientSampleId :
TP-10

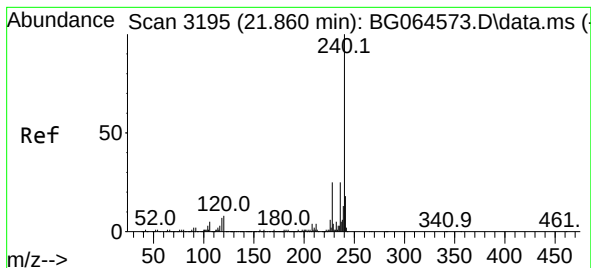
Tgt Ion:198 Resp: 394
Ion Ratio Lower Upper
198 100
51 171.7 24.7 64.7#
105 113.1 18.0 58.0#



#67
4-Bromophenyl-phenylether
Concen: 3.258 ng
RT: 16.311 min Scan# 2250
Delta R.T. -0.458 min
Lab File: BG064590.D
Acq: 27 Oct 2025 16:44

Tgt Ion:248 Resp: 10291
Ion Ratio Lower Upper
248 100
250 143.6 77.7 116.5#
141 306.9 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.852 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

Instrument :

BNA_G

ClientSampleId :

TP-10

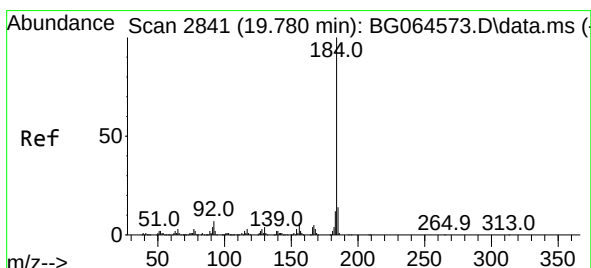
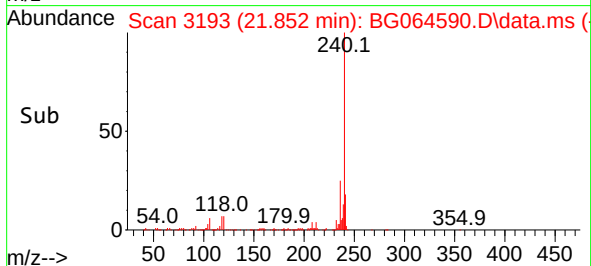
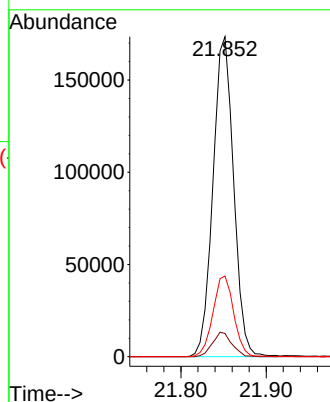
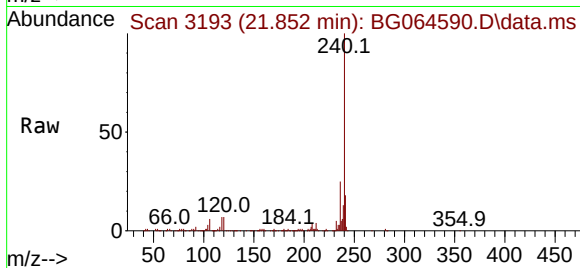
Tgt Ion:240 Resp: 291468

Ion Ratio Lower Upper

240 100

120 7.2 6.5 9.7

236 25.2 20.2 30.2



#77

Benzidine

Concen: 2.027 ng

RT: 20.165 min Scan# 2906

Delta R.T. 0.382 min

Lab File: BG064590.D

Acq: 27 Oct 2025 16:44

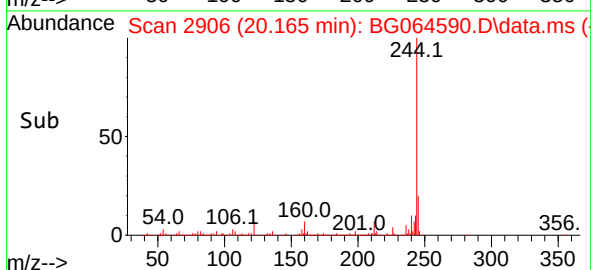
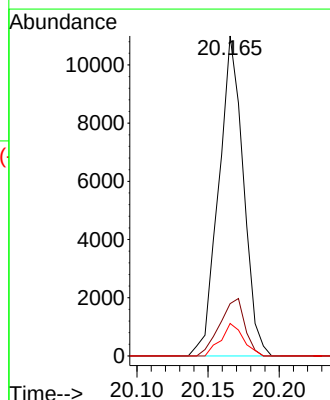
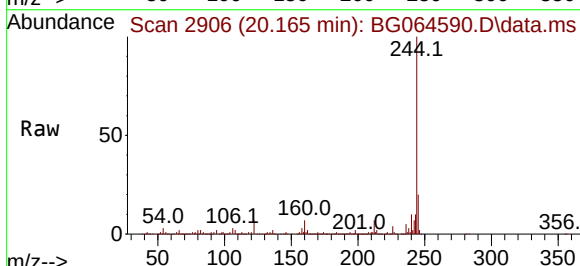
Tgt Ion:184 Resp: 13236

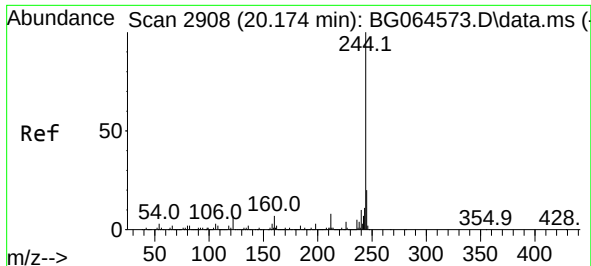
Ion Ratio Lower Upper

184 100

185 16.3 11.4 17.2

183 10.2 9.4 14.2

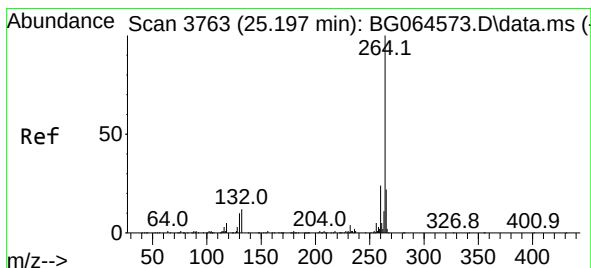
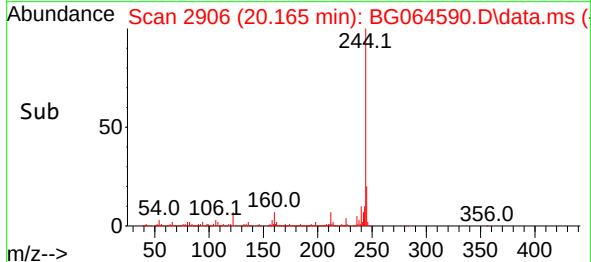
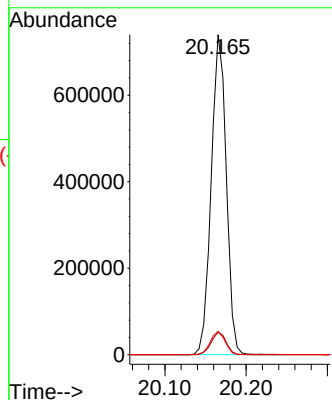
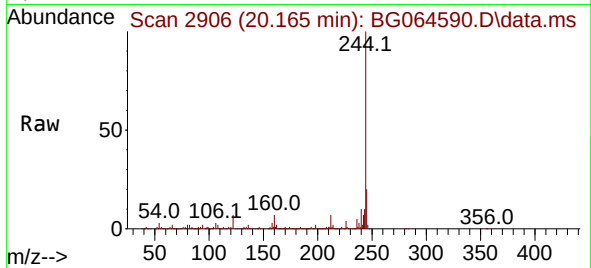




#79
 Terphenyl-d14
 Concen: 61.444 ng
 RT: 20.165 min Scan# 2906
 Delta R.T. -0.012 min
 Lab File: BG064590.D
 Acq: 27 Oct 2025 16:44

Instrument :
 BNA_G
 ClientSampleId :
 TP-10

Tgt Ion:244 Resp: 948988
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 7.3 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.189 min Scan# 3761
 Delta R.T. -0.012 min
 Lab File: BG064590.D
 Acq: 27 Oct 2025 16:44

Tgt Ion:264 Resp: 307725
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.2 17.6 26.4

