

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064584.D
 Acq On : 27 Oct 2025 12:38
 Operator : RC/JU
 Sample : PB170222BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170222BL

Quant Time: Oct 27 13:33:46 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)

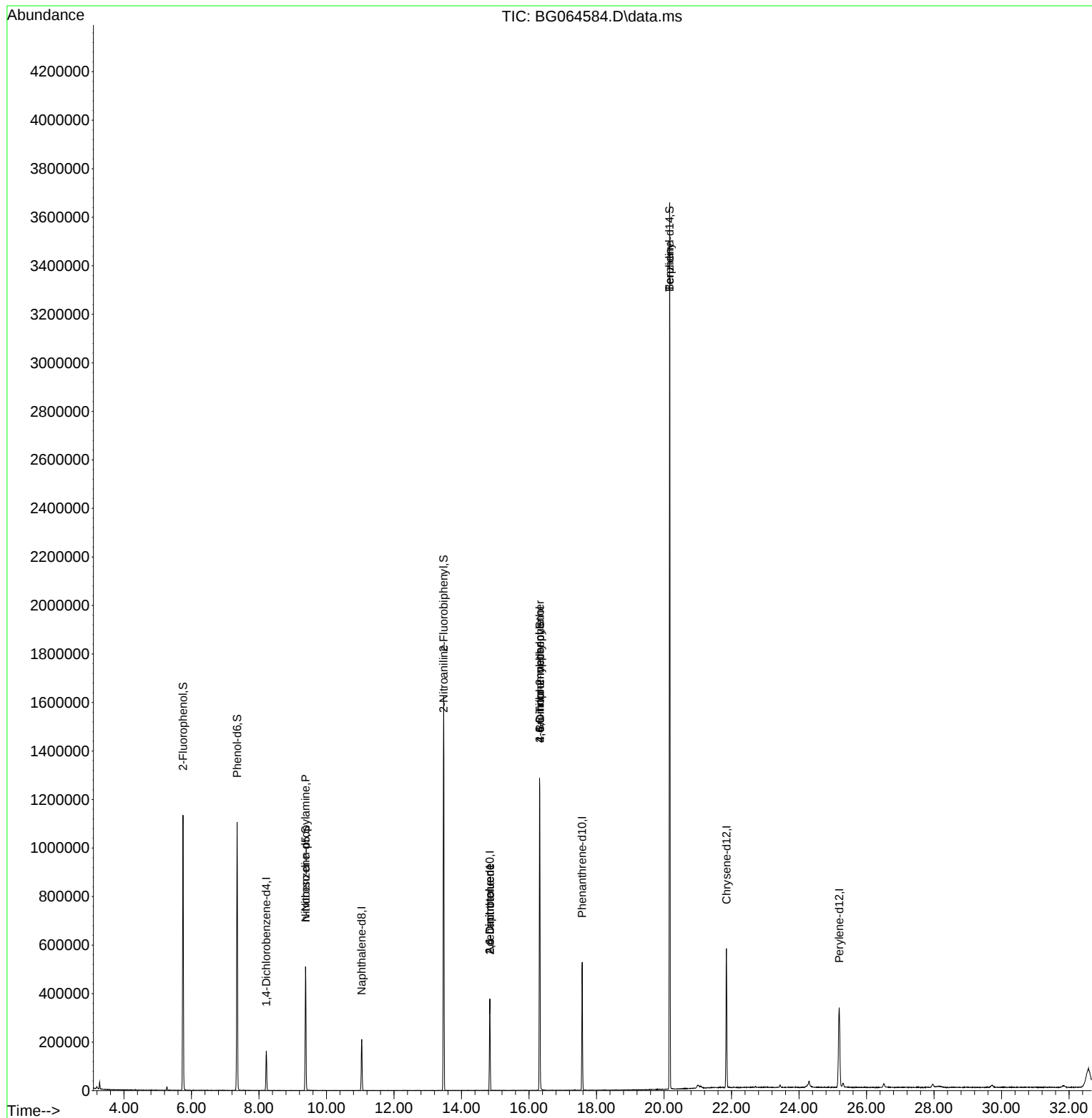
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	45325	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	169145	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	133935	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	334609	20.000	ng	0.00
76) Chrysene-d12	21.849	240	371267	20.000	ng	-0.01
86) Perylene-d12	25.192	264	392267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	437299	161.942	ng	0.00
7) Phenol-d6	7.354	99	582305	157.149	ng	0.00
23) Nitrobenzene-d5	9.381	82	270575	96.080	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	275526	142.532	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	826204	93.502	ng	0.00
79) Terphenyl-d14	20.168	244	1851252	94.100	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.381	70	35320	13.792	ng	# 75
48) 2-Nitroaniline	13.464	65	1713	3.887	ng	# 10
51) 2,6-Dinitrotoluene	14.839	165	17117	12.642	ng	# 18
57) 2,4-Dinitrotoluene	14.839	165	17117	9.181	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.320	198	713	5.856	ng	# 15
67) 4-Bromophenyl-phenylether	16.320	248	18205	4.591	ng	# 1
77) Benzidine	20.168	184	27905	3.355	ng	# 94

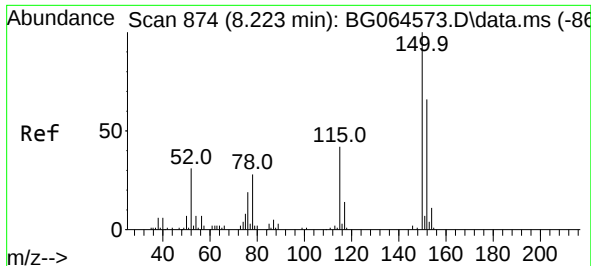
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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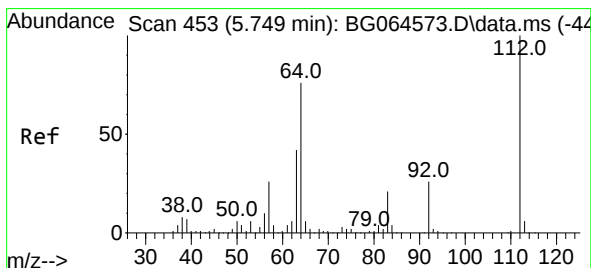
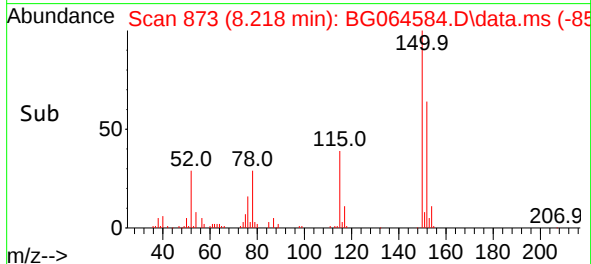
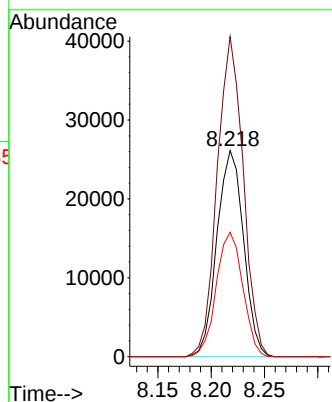
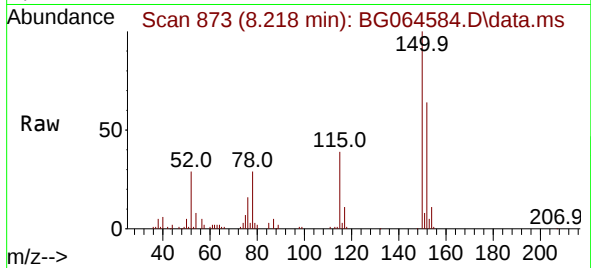




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

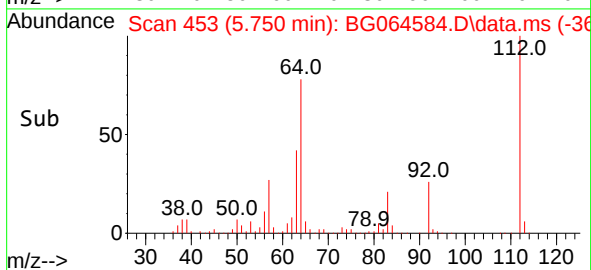
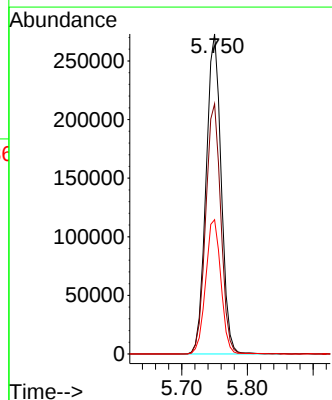
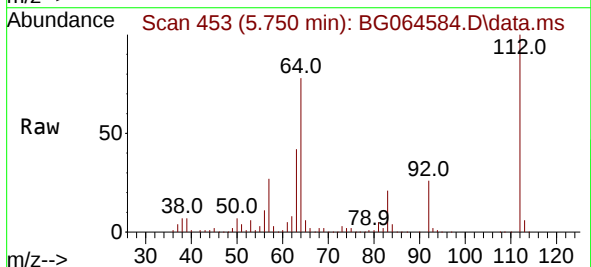
Instrument :
BNA_G
ClientSampleId :
PB170222BL

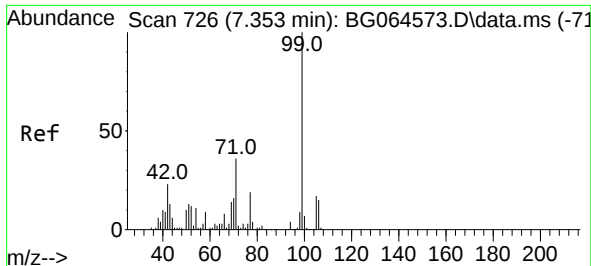
Tgt Ion:152 Resp: 45325
Ion Ratio Lower Upper
152 100
150 155.2 122.2 183.4
115 60.3 50.8 76.2



#5
2-Fluorophenol
Concen: 161.942 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:112 Resp: 437299
Ion Ratio Lower Upper
112 100
64 78.2 60.7 91.1
63 42.0 33.4 50.0

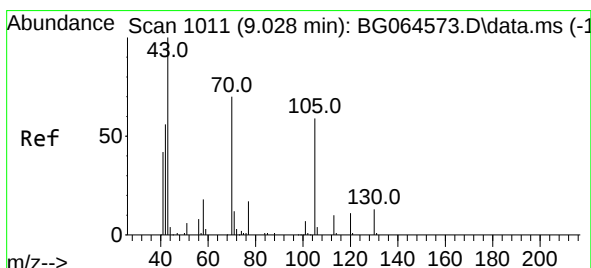
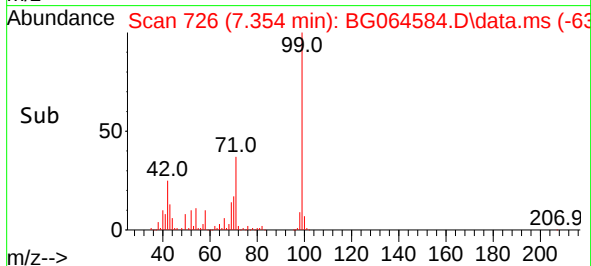
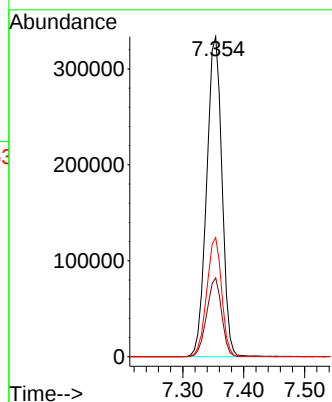
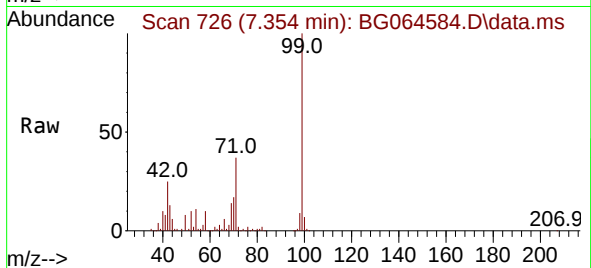




#7
Phenol-d6
Concen: 157.149 ng
RT: 7.354 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

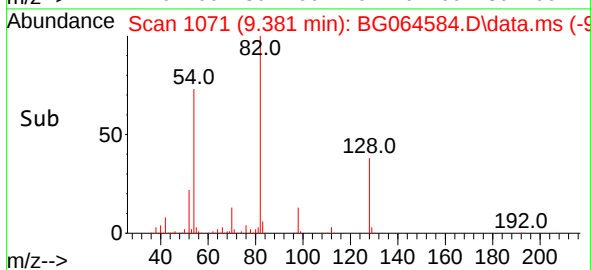
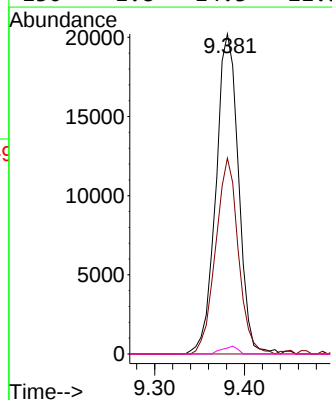
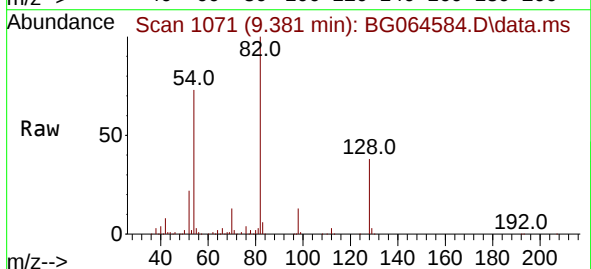
Instrument :
BNA_G
ClientSampleId :
PB170222BL

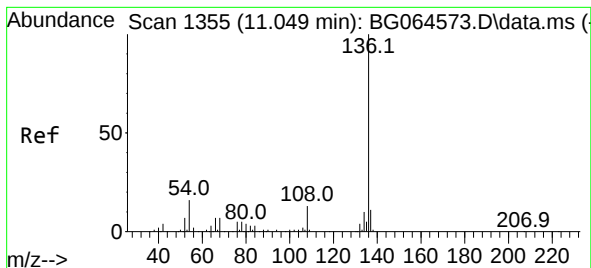
Tgt Ion: 99 Resp: 582305
Ion Ratio Lower Upper
99 100
42 24.6 18.3 27.5
71 37.2 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.792 ng
RT: 9.381 min Scan# 1071
Delta R.T. 0.350 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion: 70 Resp: 35320
Ion Ratio Lower Upper
70 100
42 61.2 65.2 97.8#
101 0.0 7.9 11.9#
130 1.8 14.3 21.5#

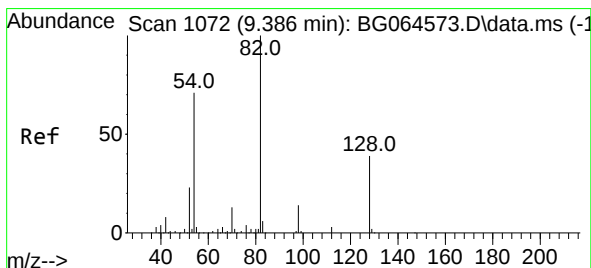
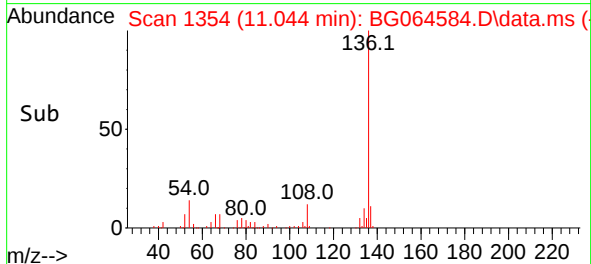
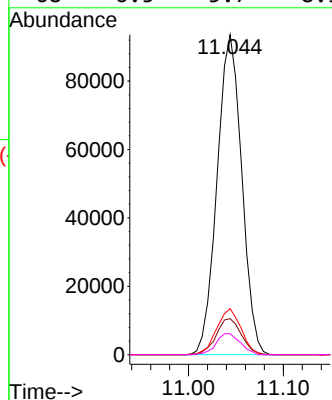
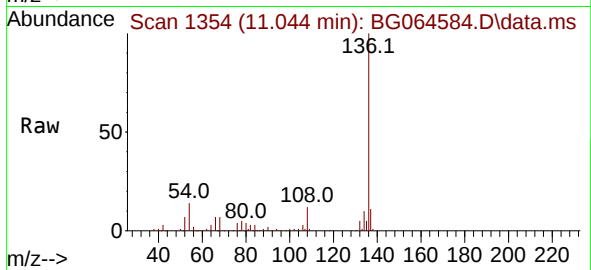




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

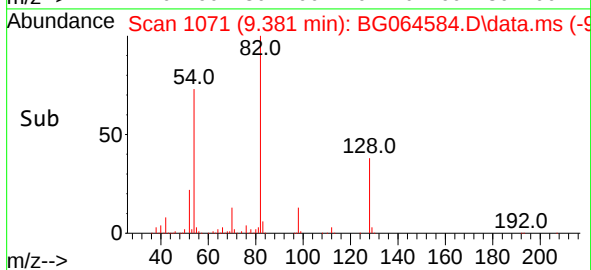
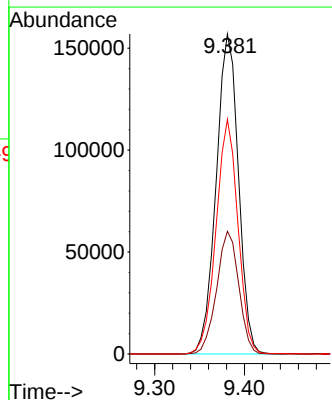
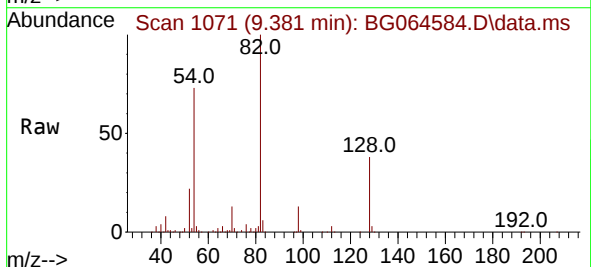
Instrument :
BNA_G
ClientSampleId :
PB170222BL

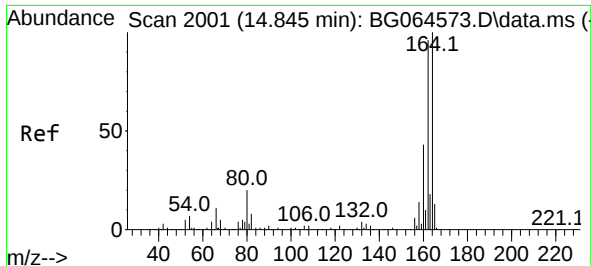
Tgt Ion:	136	Resp:	169145
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	14.4	12.6	19.0
68	6.5	5.7	8.5



#23
Nitrobenzene-d5
Concen: 96.080 ng
RT: 9.381 min Scan# 1071
Delta R.T. -0.009 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:	82	Resp:	270575
Ion Ratio	Lower	Upper	
82	100		
128	38.3	31.3	46.9
54	73.3	56.6	84.8

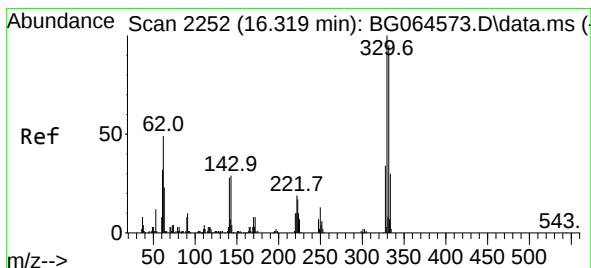
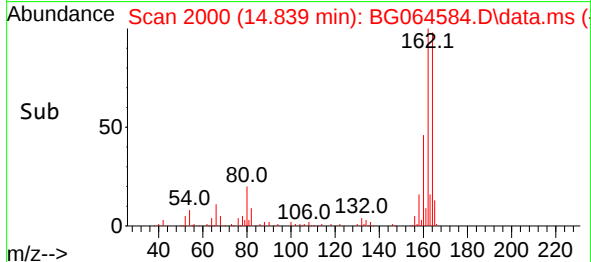
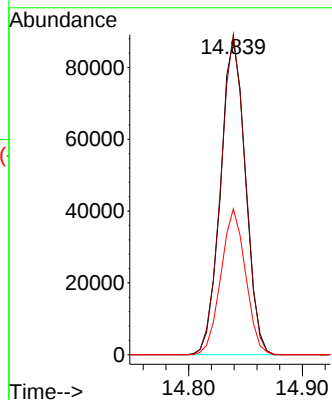
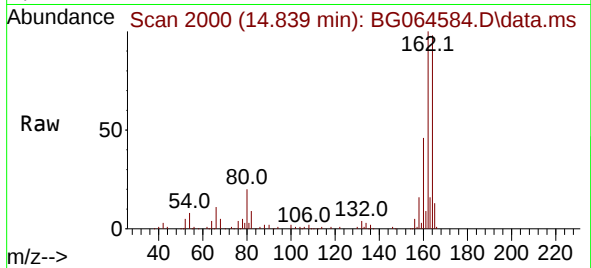




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

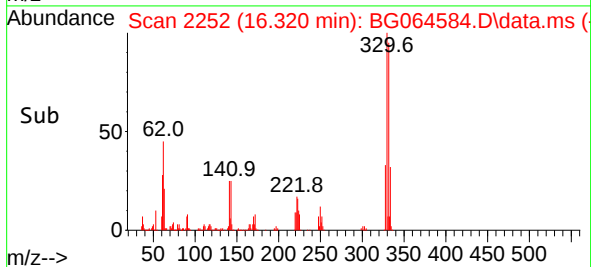
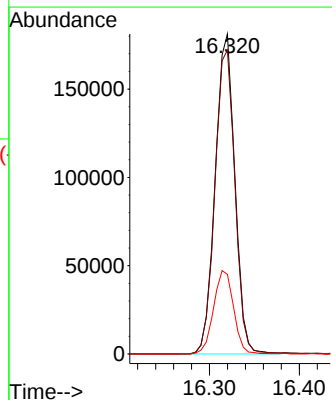
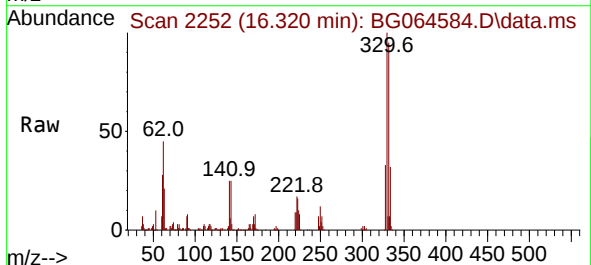
Instrument :
BNA_G
ClientSampleId :
PB170222BL

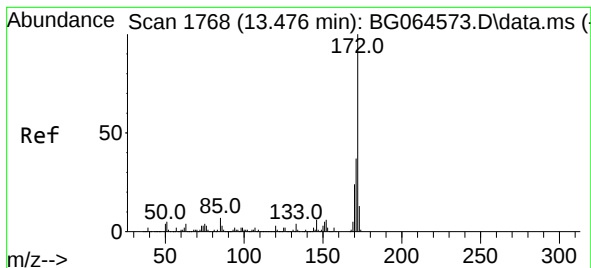
Tgt Ion:164 Resp: 133935
Ion Ratio Lower Upper
164 100
162 101.6 77.0 115.6
160 46.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 142.532 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:330 Resp: 275526
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 26.4 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 93.502 ng

RT: 13.470 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

Instrument :

BNA_G

ClientSampleId :

PB170222BL

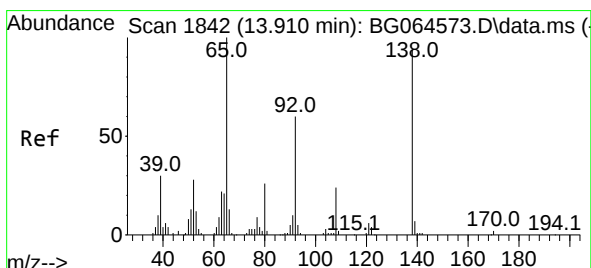
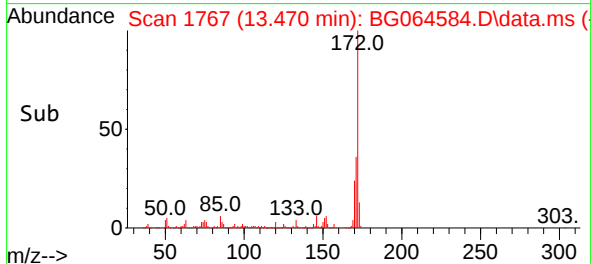
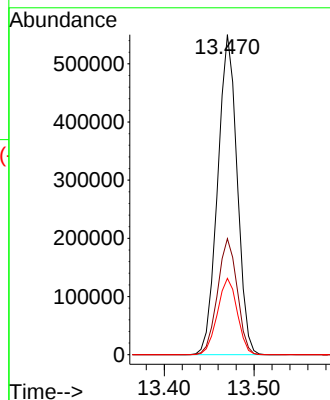
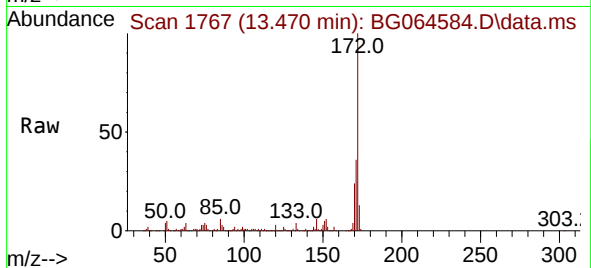
Tgt Ion:172 Resp: 826204

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

170 23.9 19.1 28.7



#48

2-Nitroaniline

Concen: 3.887 ng

RT: 13.464 min Scan# 1766

Delta R.T. -0.450 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

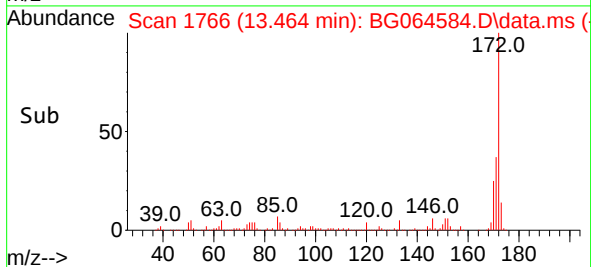
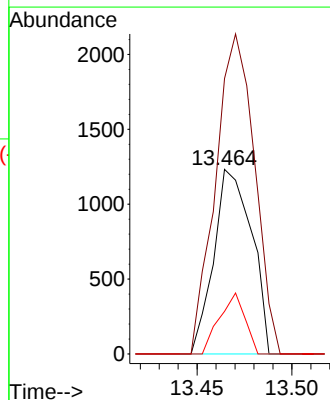
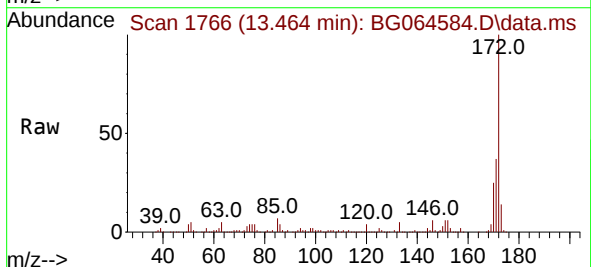
Tgt Ion: 65 Resp: 1713

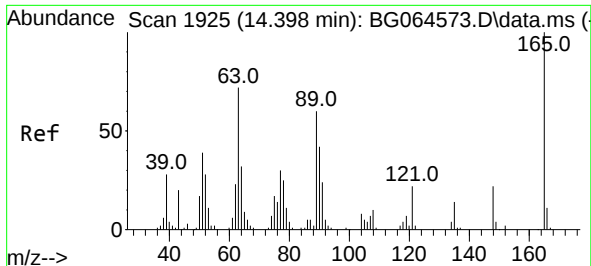
Ion Ratio Lower Upper

65 100

92 149.1 48.3 72.5#

138 23.0 74.9 112.3#

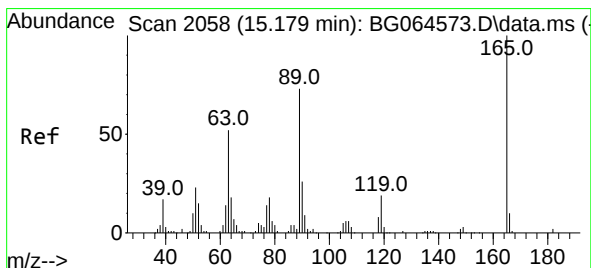
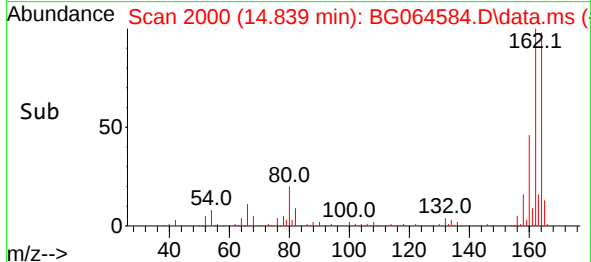
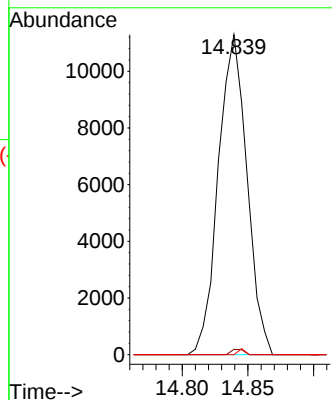
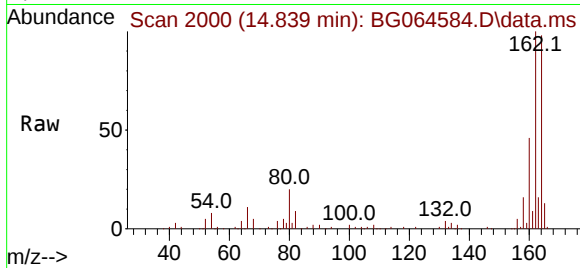




#51
2,6-Dinitrotoluene
Concen: 12.642 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

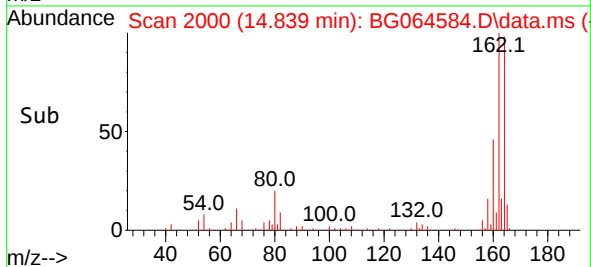
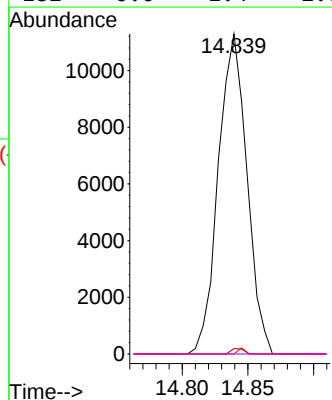
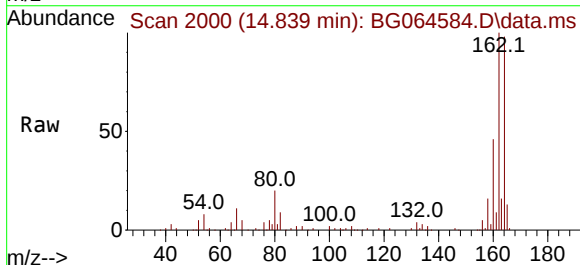
Instrument :
BNA_G
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PB170222BL

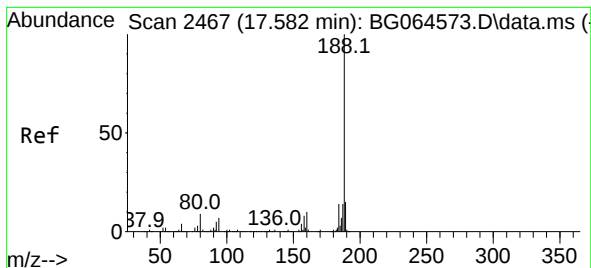
Tgt Ion:165 Resp: 17117
Ion Ratio Lower Upper
165 100
63 1.7 57.4 86.0#
89 0.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.181 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.350 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:165 Resp: 17117
Ion Ratio Lower Upper
165 100
63 1.7 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: 17.577 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

Instrument :

BNA_G

ClientSampleId :

PB170222BL

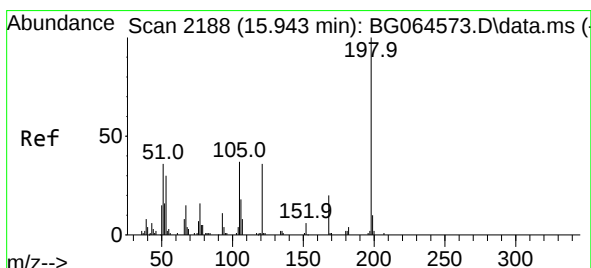
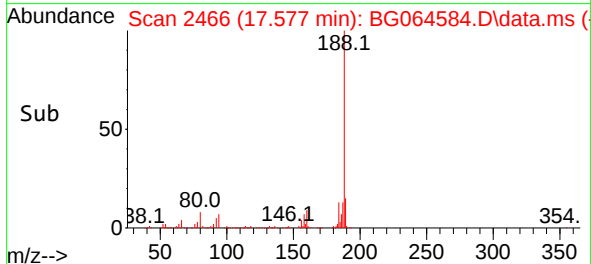
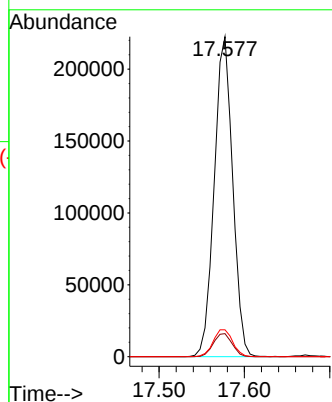
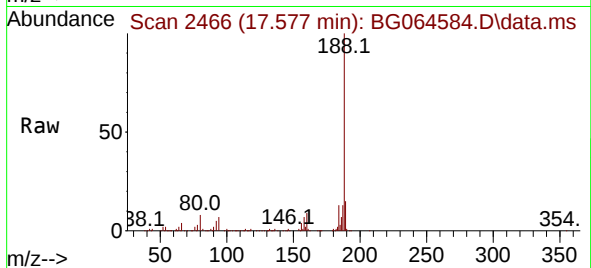
Tgt Ion:188 Resp: 334609

Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 8.4 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.856 ng

RT: 16.320 min Scan# 2252

Delta R.T. 0.373 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

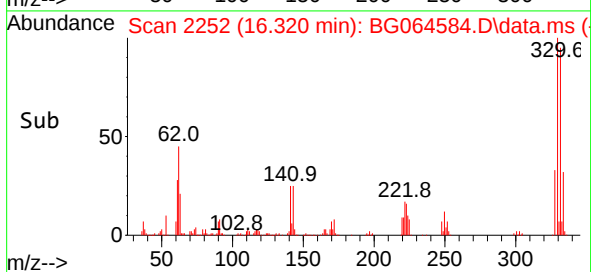
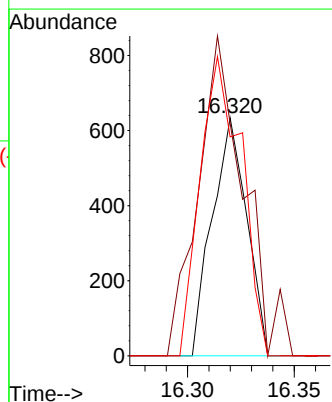
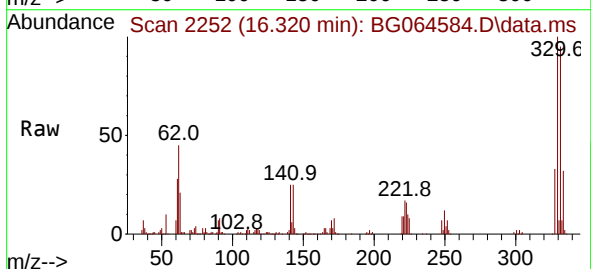
Tgt Ion:198 Resp: 713

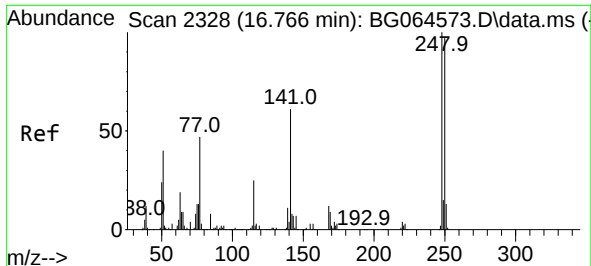
Ion Ratio Lower Upper

198 100

51 97.6 24.7 64.7#

105 92.0 18.0 58.0#

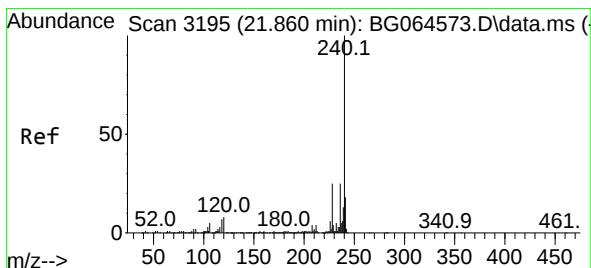
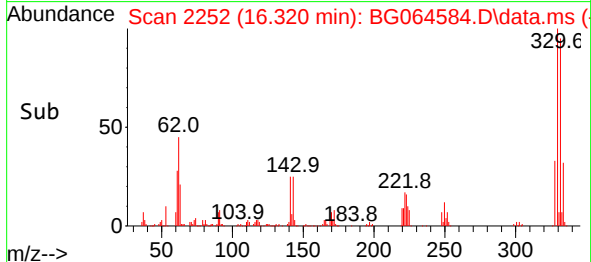
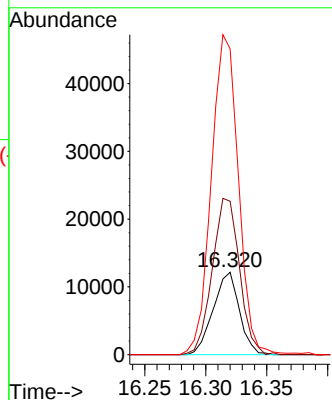
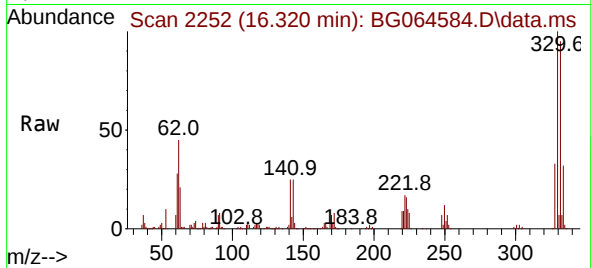




#67
4-Bromophenyl-phenylether
Concen: 4.591 ng
RT: 16.320 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

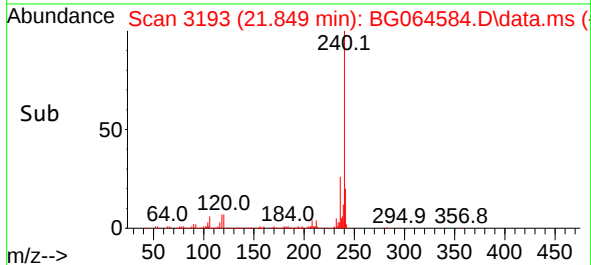
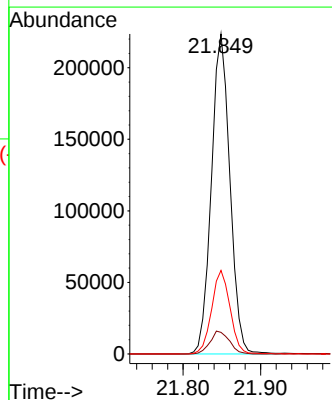
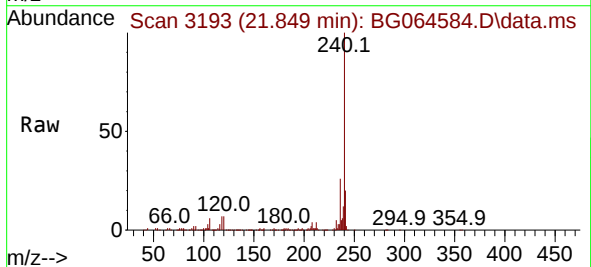
Instrument :
BNA_G
ClientSampleId :
PB170222BL

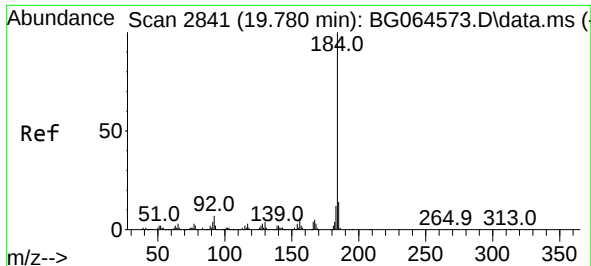
Tgt Ion:248 Resp: 18205
Ion Ratio Lower Upper
248 100
250 186.1 77.7 116.5#
141 371.0 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:240 Resp: 371267
Ion Ratio Lower Upper
240 100
120 6.7 6.5 9.7
236 26.1 20.2 30.2

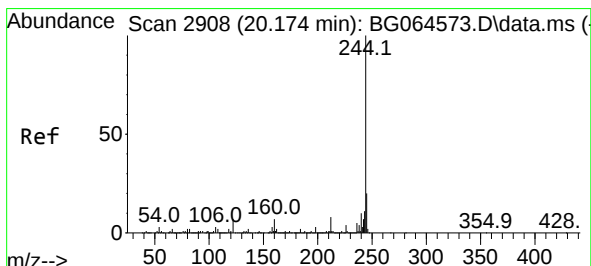
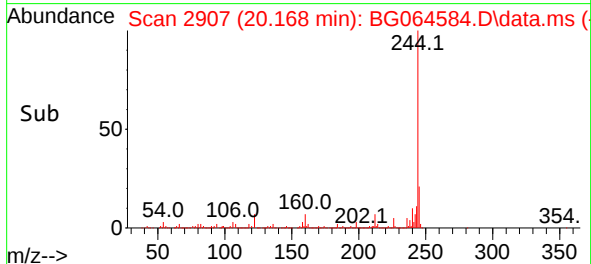
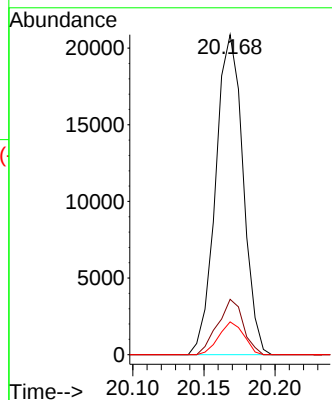
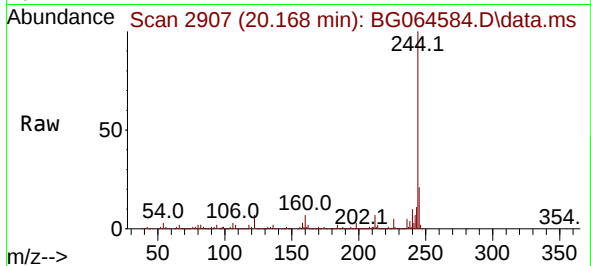




#77
Benzidine
Concen: 3.355 ng
RT: 20.168 min Scan# 2907
Delta R.T. 0.385 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

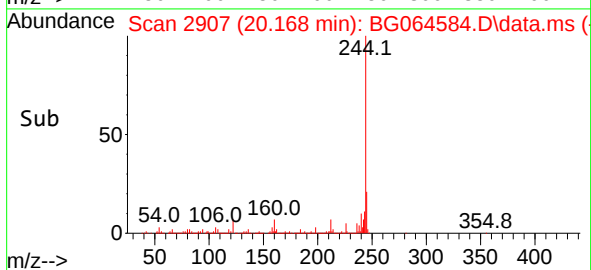
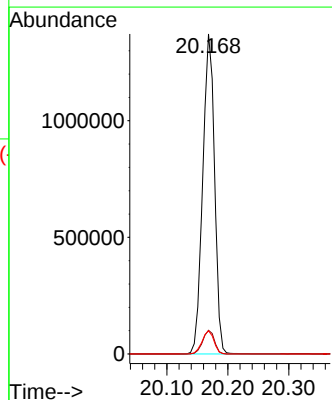
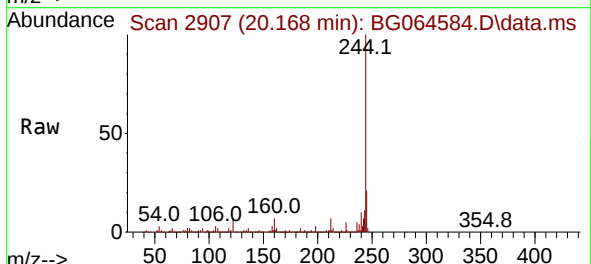
Instrument :
BNA_G
ClientSampleId :
PB170222BL

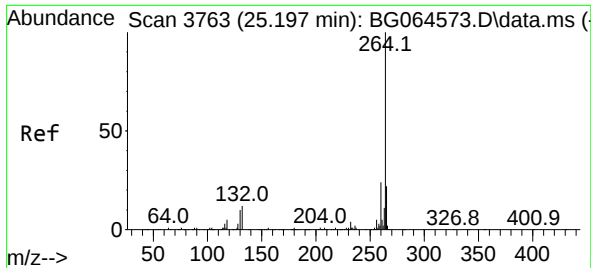
Tgt Ion:184 Resp: 27905
Ion Ratio Lower Upper
184 100
185 17.3 11.4 17.2#
183 10.3 9.4 14.2



#79
Terphenyl-d14
Concen: 94.100 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:244 Resp: 1851252
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 7.2 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.192 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BG064584.D
 Acq: 27 Oct 2025 12:38

Instrument :
 BNA_G
 ClientSampleId :
 PB170222BL

Tgt Ion:264 Resp: 392267
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.4
 265 21.2 17.6 26.4

