

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064642.D
 Acq On : 30 Oct 2025 15:41
 Operator : RC/JU
 Sample : PB170323BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170323BL

Quant Time: Oct 30 16:18:48 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)

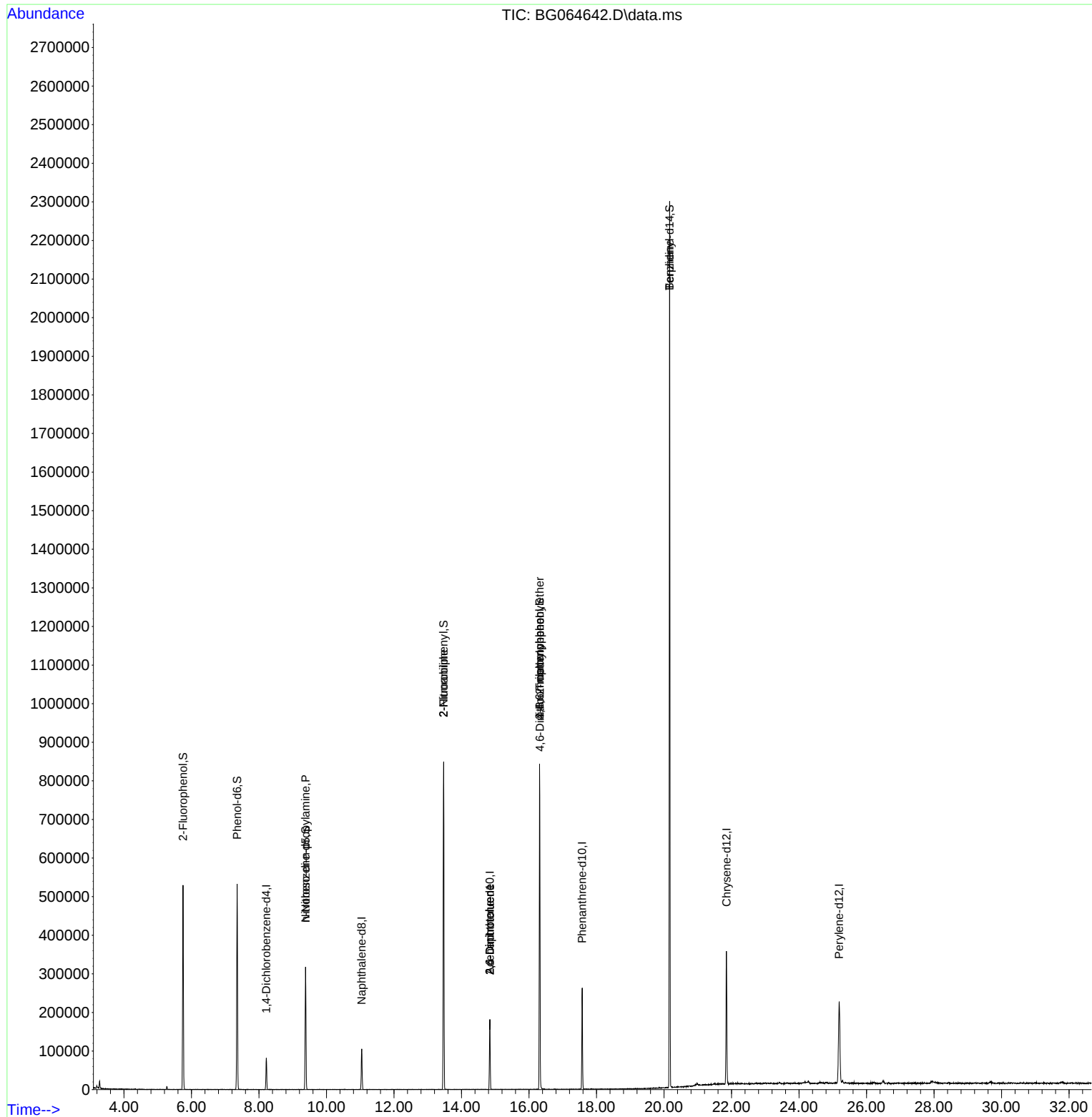
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	21649	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	83743	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	66118	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	170386	20.000	ng	0.00
76) Chrysene-d12	21.848	240	228482	20.000	ng	#-0.02
86) Perylene-d12	25.186	264	257901	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	197370	153.025	ng	0.00
7) Phenol-d6	7.354	99	274158	154.904	ng	0.00
23) Nitrobenzene-d5	9.381	82	170356	122.184	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	179879	188.497	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	450760	103.336	ng	0.00
79) Terphenyl-d14	20.168	244	1177251	97.236	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.381	70	23355	19.094	ng	# 72
48) 2-Nitroaniline	13.470	65	741	3.805	ng	# 1
51) 2,6-Dinitrotoluene	14.839	165	8201	12.364	ng	# 17
57) 2,4-Dinitrotoluene	14.839	165	8201	9.001	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.320	198	277	5.754	ng	# 1
67) 4-Bromophenyl-phenylether	16.314	248	11024	5.460	ng	# 1
77) Benzidine	20.168	184	17118	3.344	ng	# 96

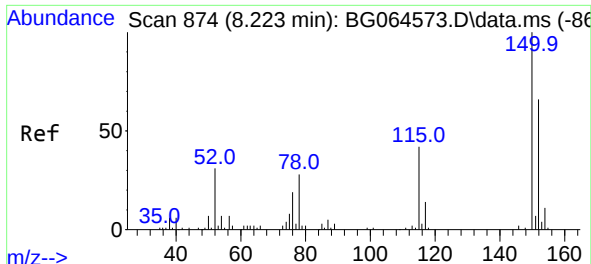
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

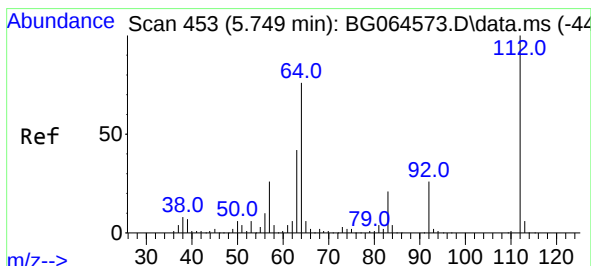
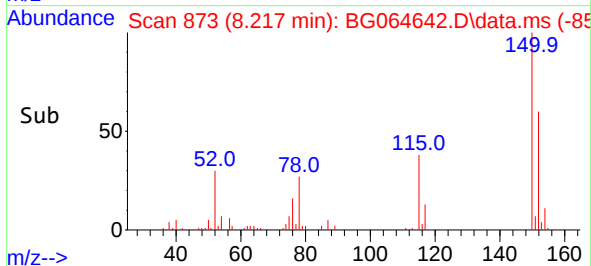
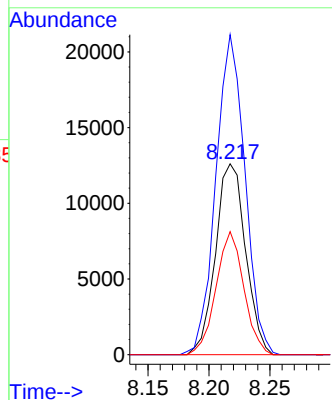
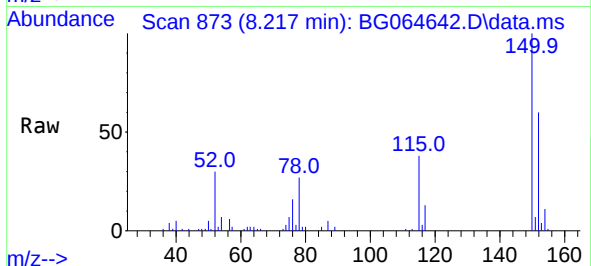




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

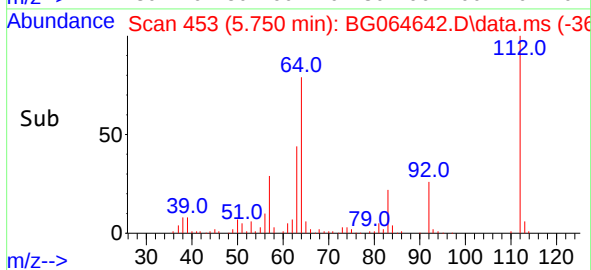
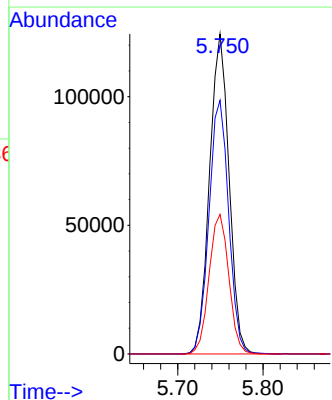
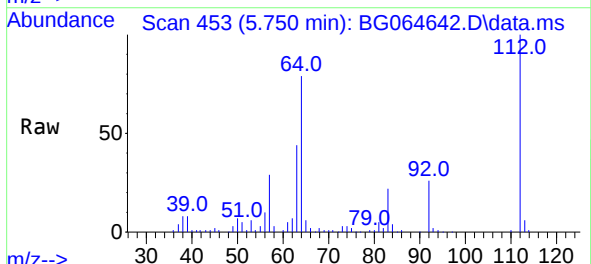
Instrument :
BNA_G
ClientSampleId :
PB170323BL

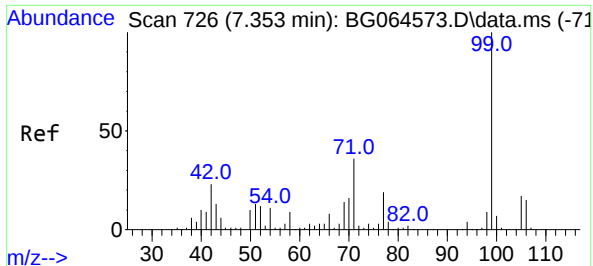
Tgt Ion:152 Resp: 21649
Ion Ratio Lower Upper
152 100
150 167.6 122.2 183.4
115 64.5 50.8 76.2



#5
2-Fluorophenol
Concen: 153.025 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

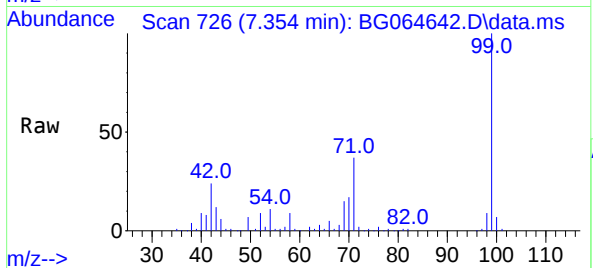
Tgt Ion:112 Resp: 197370
Ion Ratio Lower Upper
112 100
64 79.3 60.7 91.1
63 43.6 33.4 50.0



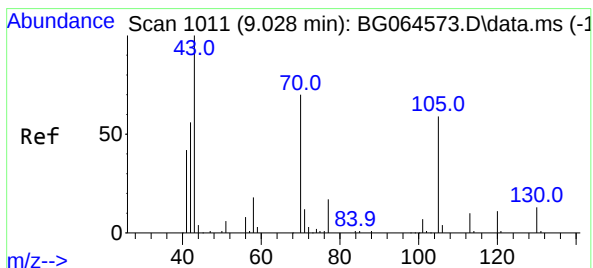
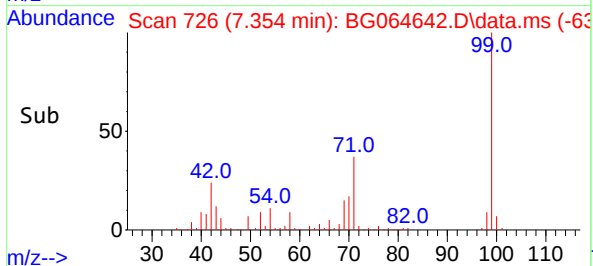
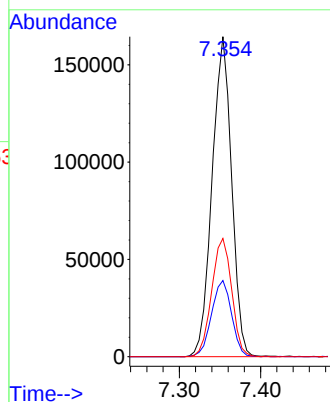


#7
Phenol-d6
Concen: 154.904 ng
RT: 7.354 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Instrument :
BNA_G
ClientSampleId :
PB170323BL

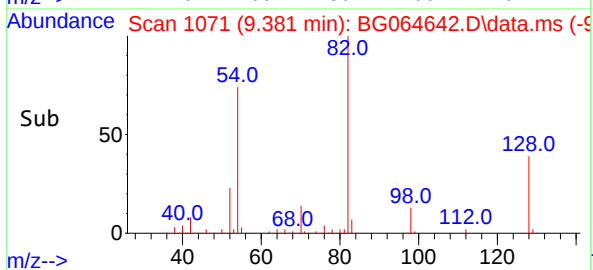
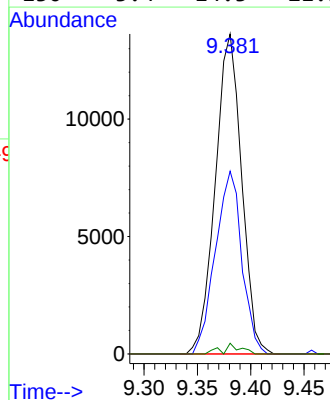
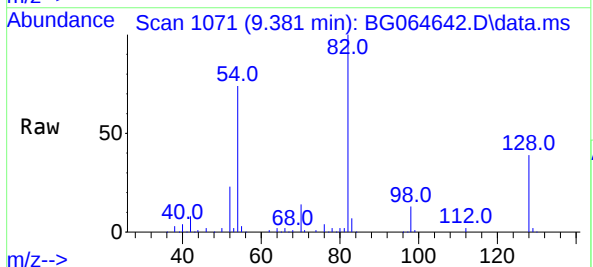


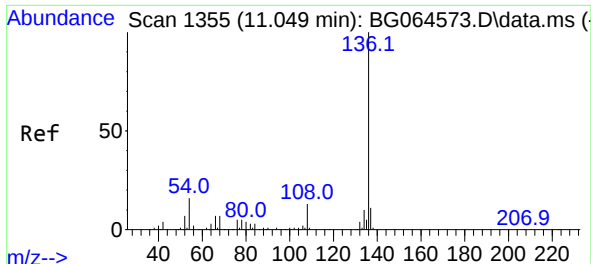
Tgt Ion: 99 Resp: 274158
Ion Ratio Lower Upper
99 100
42 23.8 18.3 27.5
71 36.9 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.094 ng
RT: 9.381 min Scan# 1071
Delta R.T. 0.349 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Tgt Ion: 70 Resp: 23355
Ion Ratio Lower Upper
70 100
42 57.1 65.2 97.8#
101 0.0 7.9 11.9#
130 3.4 14.3 21.5#



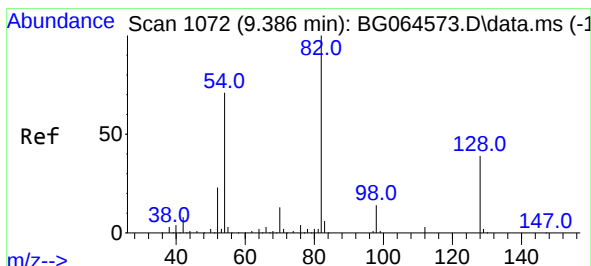
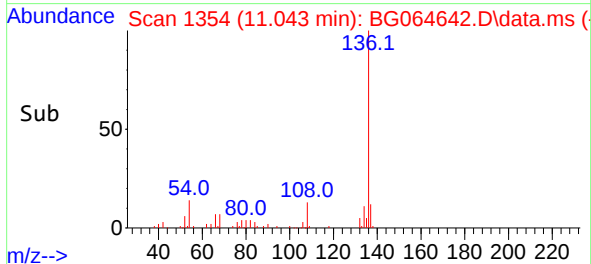
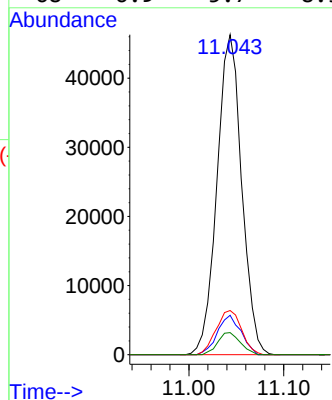
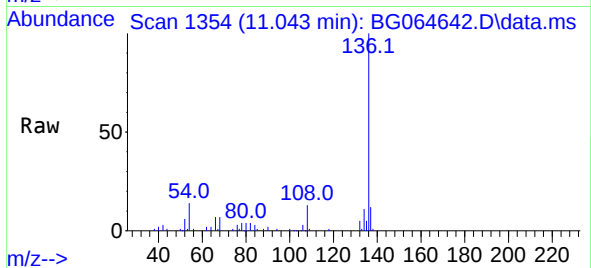


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Instrument :
BNA_G
ClientSampleId :
PB170323BL

Tgt Ion:136 Resp: 83743

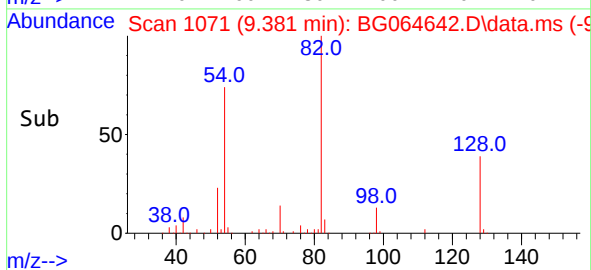
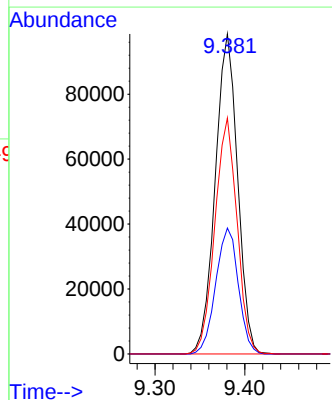
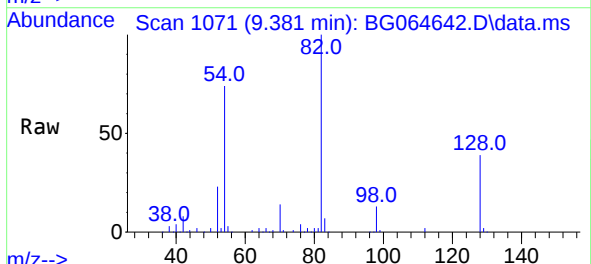
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	13.8	12.6	19.0
68	6.9	5.7	8.5

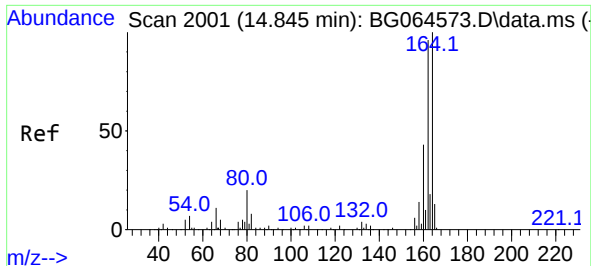


#23
Nitrobenzene-d5
Concen: 122.184 ng
RT: 9.381 min Scan# 1071
Delta R.T. -0.009 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Tgt Ion: 82 Resp: 170356

Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.3	46.9
54	73.7	56.6	84.8

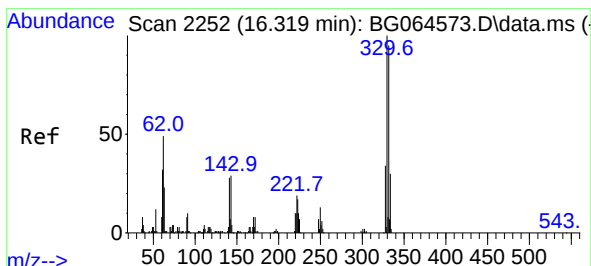
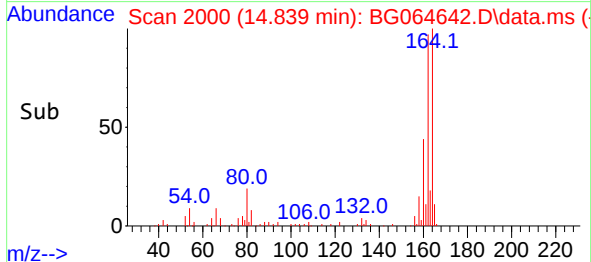
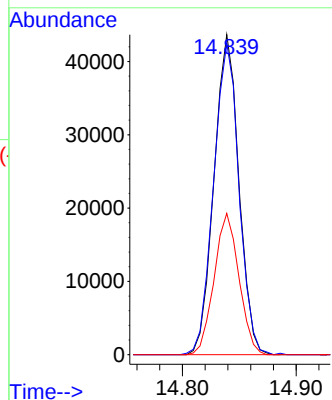
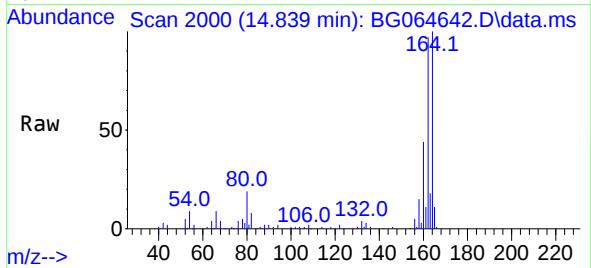




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

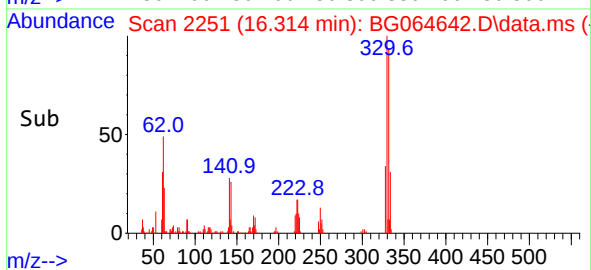
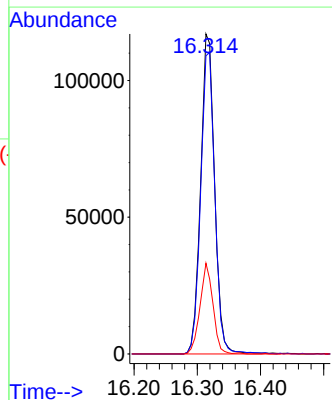
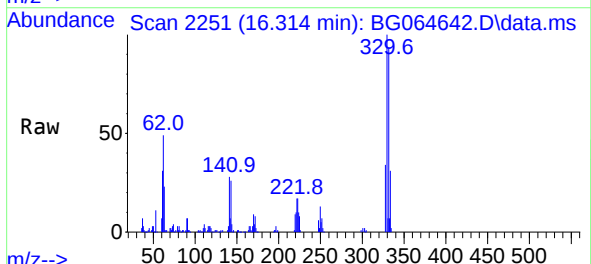
Instrument :
BNA_G
ClientSampleId :
PB170323BL

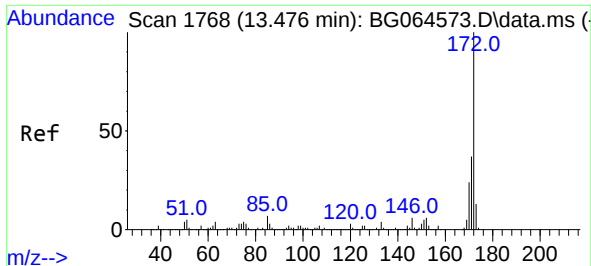
Tgt Ion:164 Resp: 66118
Ion Ratio Lower Upper
164 100
162 97.3 77.0 115.6
160 44.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 188.497 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Tgt Ion:330 Resp: 179879
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 26.3 21.8 32.6

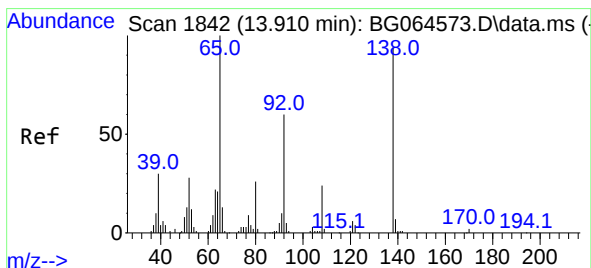
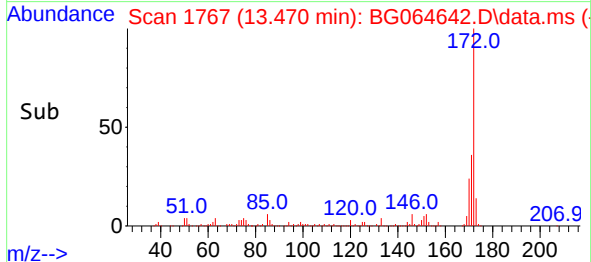
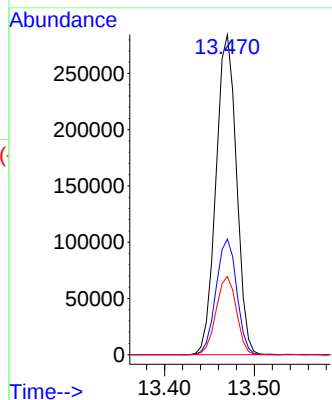
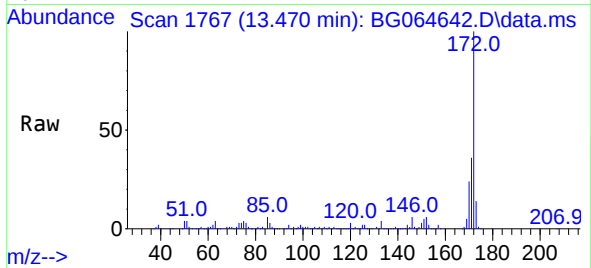




#45
2-Fluorobiphenyl
Concen: 103.336 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

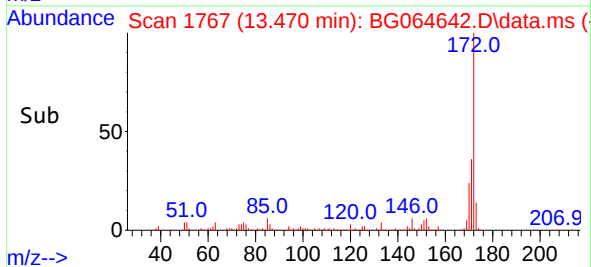
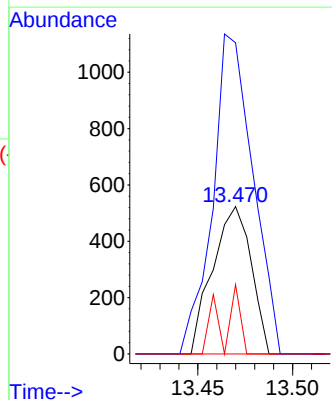
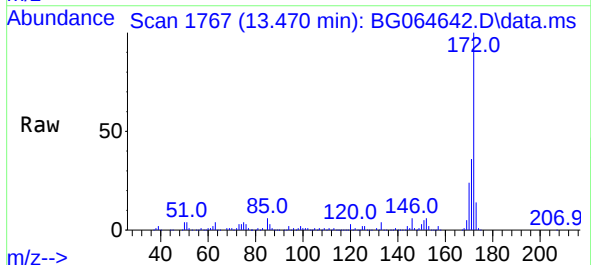
Instrument :
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ClientSampleId :
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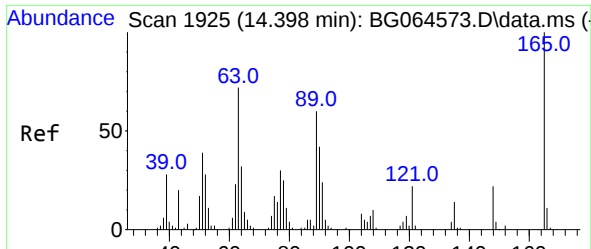
Tgt Ion:172 Resp: 450760
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.4 19.1 28.7



#48
2-Nitroaniline
Concen: 3.805 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.444 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Tgt Ion: 65 Resp: 741
Ion Ratio Lower Upper
65 100
92 211.3 48.3 72.5#
138 47.0 74.9 112.3#

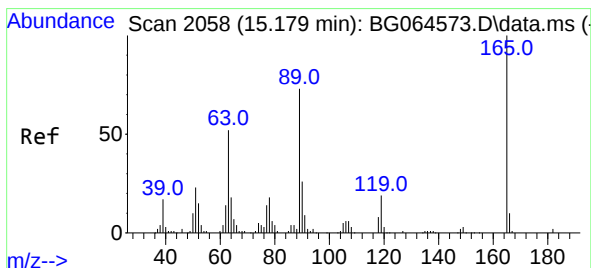
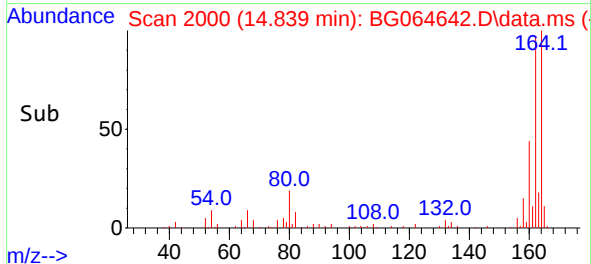
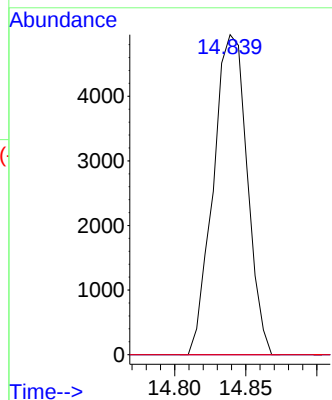
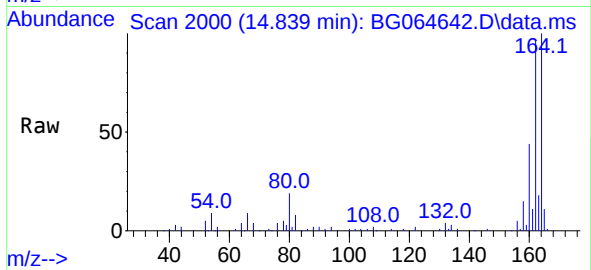




#51
2,6-Dinitrotoluene
Concen: 12.364 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

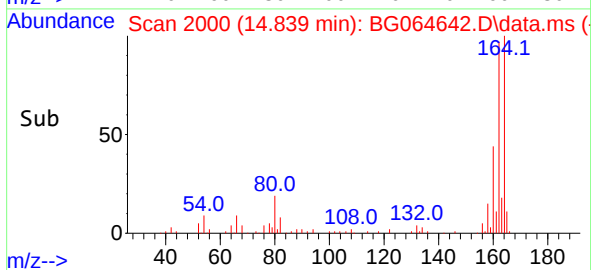
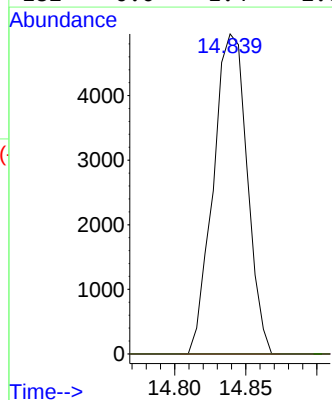
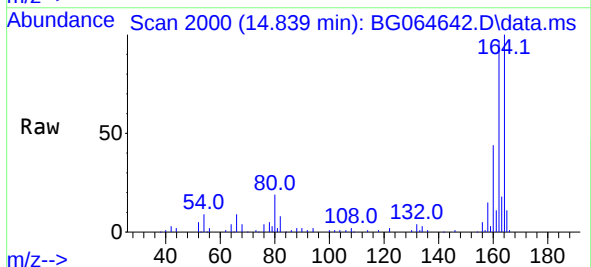
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ClientSampleId :
PB170323BL

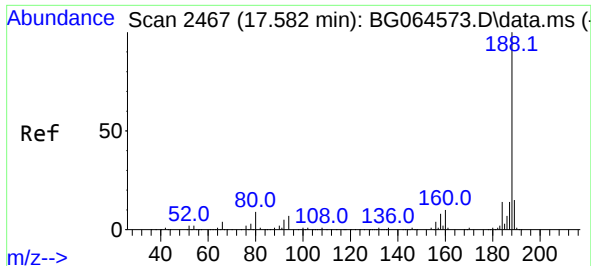
Tgt Ion:165 Resp: 8201
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.001 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.350 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Tgt Ion:165 Resp: 8201
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#

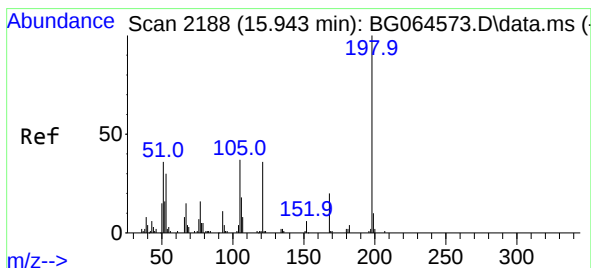
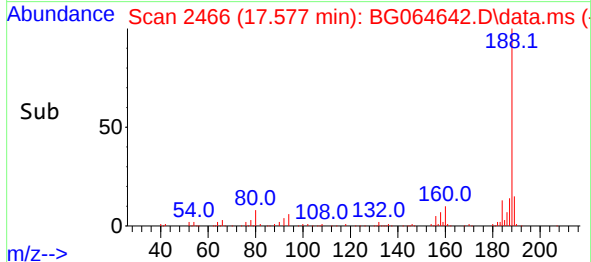
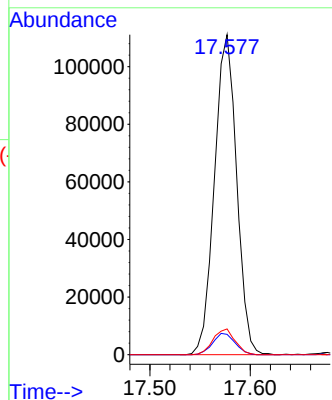
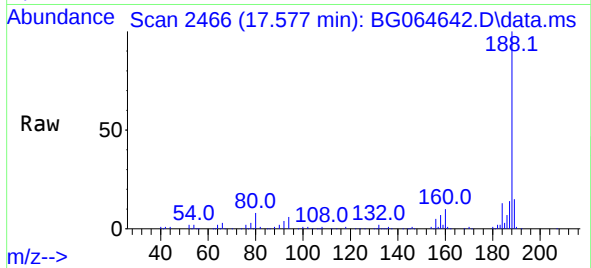




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

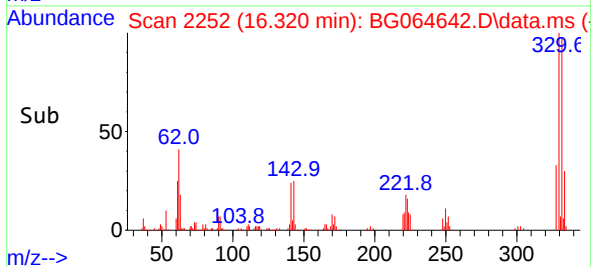
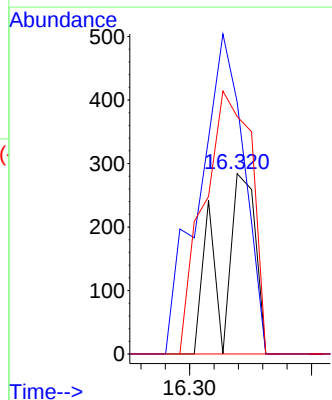
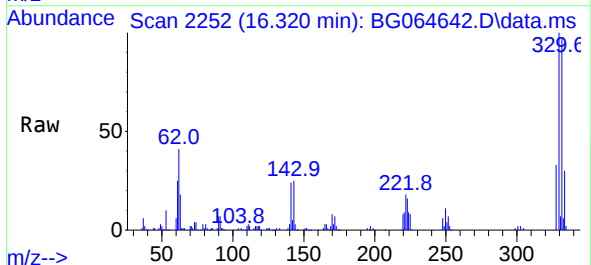
Instrument :
BNA_G
ClientSampleId :
PB170323BL

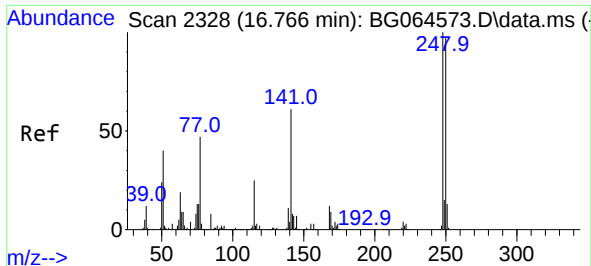
Tgt Ion:188 Resp: 170386
Ion Ratio Lower Upper
188 100
94 6.4 5.7 8.5
80 8.1 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.754 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.373 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

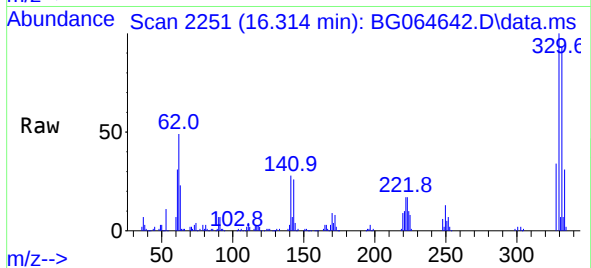
Tgt Ion:198 Resp: 277
Ion Ratio Lower Upper
198 100
51 139.8 24.7 64.7#
105 131.7 18.0 58.0#



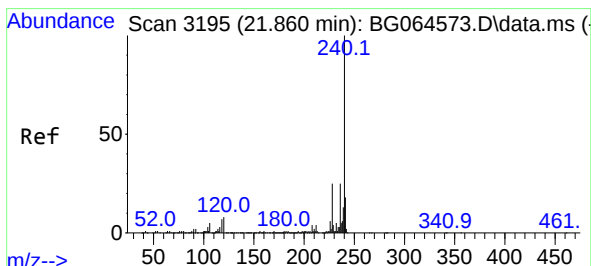
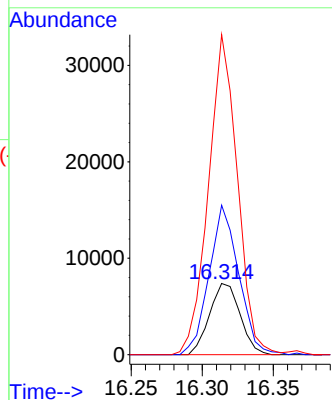
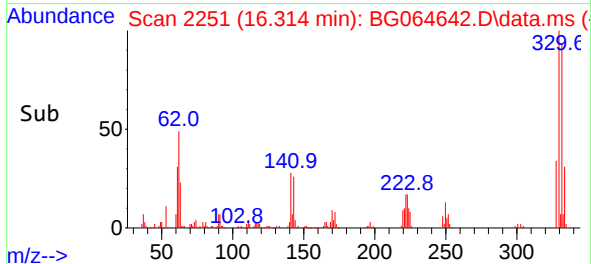


#67
4-Bromophenyl-phenylether
Concen: 5.460 ng
RT: 16.314 min Scan# 211
Delta R.T. -0.456 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Instrument :
BNA_G
ClientSampleId :
PB170323BL

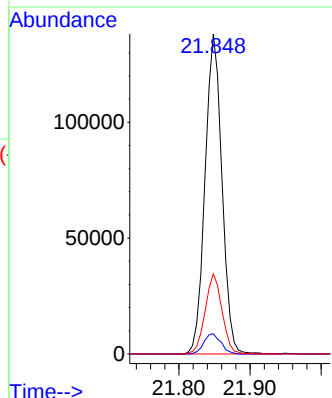
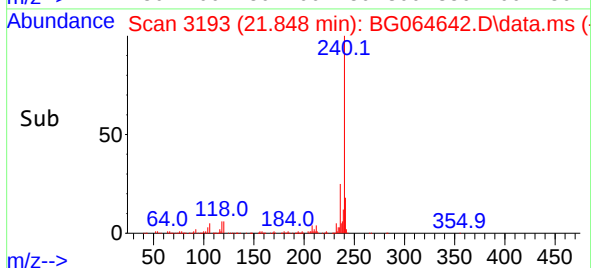
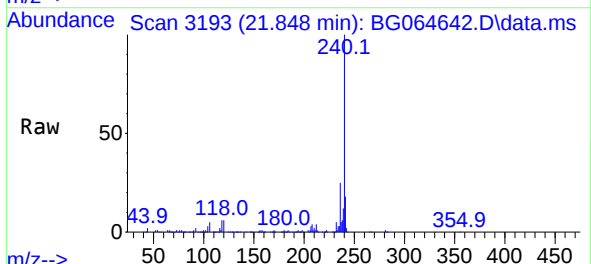


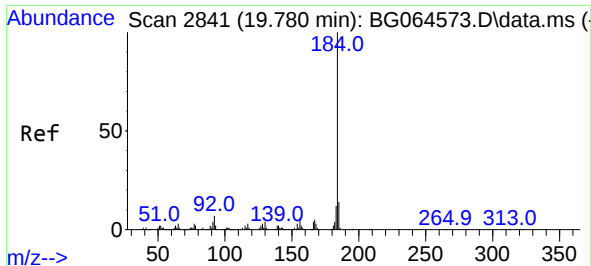
Tgt Ion:248 Resp: 11024
Ion Ratio Lower Upper
248 100
250 217.7 77.7 116.5#
141 343.2 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Tgt Ion:240 Resp: 228482
Ion Ratio Lower Upper
240 100
120 6.3 6.5 9.7#
236 25.1 20.2 30.2

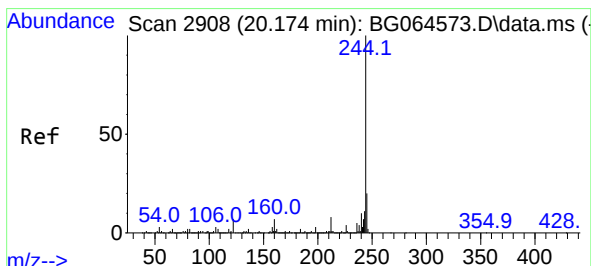
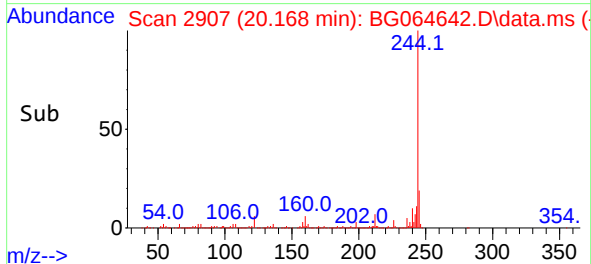
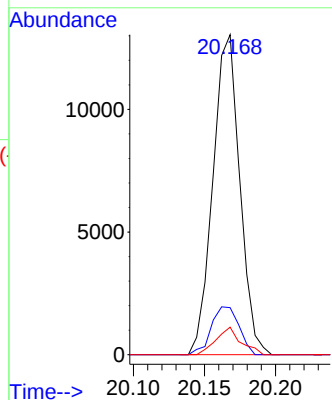
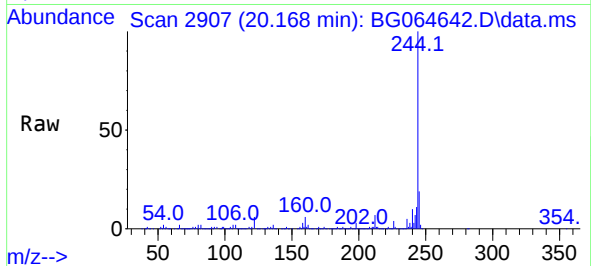




#77
Benzidine
Concen: 3.344 ng
RT: 20.168 min Scan# 2907
Delta R.T. 0.385 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

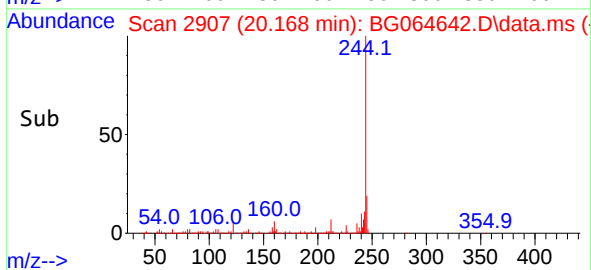
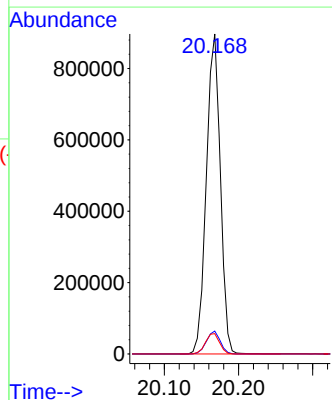
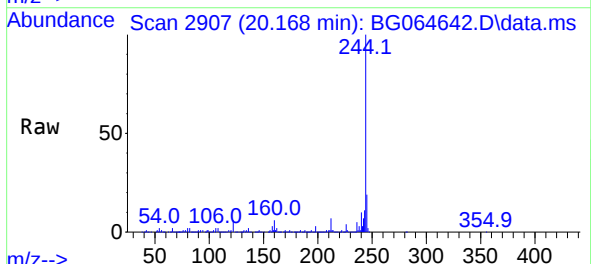
Instrument :
BNA_G
ClientSampleId :
PB170323BL

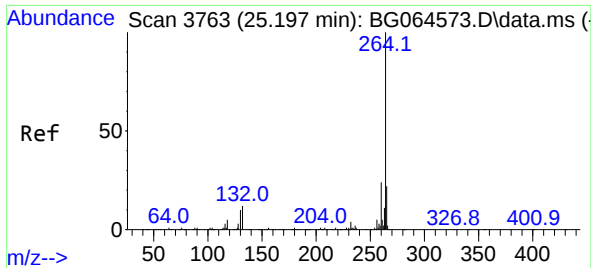
Tgt Ion:184 Resp: 17118
Ion Ratio Lower Upper
184 100
185 14.7 11.4 17.2
183 8.6 9.4 14.2#



#79
Terphenyl-d14
Concen: 97.236 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064642.D
Acq: 30 Oct 2025 15:41

Tgt Ion:244 Resp: 1177251
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 6.3 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: BG064642.D
 Acq: 30 Oct 2025 15:41

Instrument :
 BNA_G
 ClientSampleId :
 PB170323BL

Tgt Ion:264 Resp: 257901

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.4
265	21.7	17.6	26.4

