

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064578.D
 Acq On : 24 Oct 2025 17:28
 Operator : RC/JU
 Sample : PB170222BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170222BL

Quant Time: Oct 24 18:12:01 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)

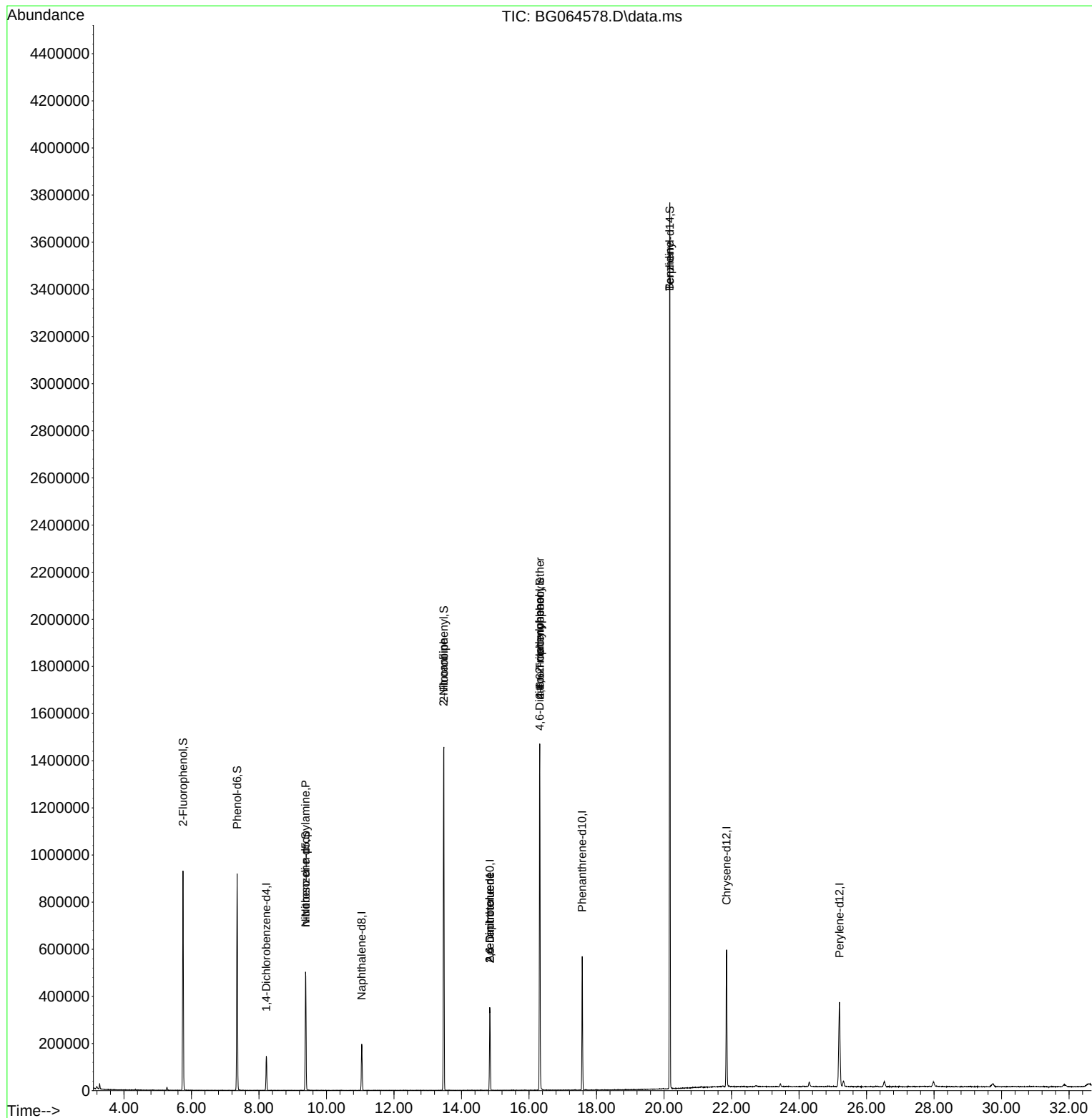
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	41612	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	158602	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	127284	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	348229	20.000	ng	0.00
76) Chrysene-d12	21.853	240	389984	20.000	ng	0.00
86) Perylene-d12	25.197	264	412347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	350796	141.500	ng	0.00
7) Phenol-d6	7.353	99	473750	139.261	ng	0.00
23) Nitrobenzene-d5	9.380	82	270907	102.593	ng	-0.01
42) 2,4,6-Tribromophenol	16.319	330	301199	163.954	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	774263	92.202	ng	0.00
79) Terphenyl-d14	20.173	244	1963373	95.009	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.380	70	35406	15.060	ng	# 69
48) 2-Nitroaniline	13.469	65	1419	3.802	ng	# 1
51) 2,6-Dinitrotoluene	14.838	165	16557	12.810	ng	# 19
57) 2,4-Dinitrotoluene	14.838	165	16557	9.291	ng	# 22
65) 4,6-Dinitro-2-methylph...	16.313	198	415	5.667	ng	# 92
67) 4-Bromophenyl-phenylether	16.319	248	20214	4.898	ng	# 1
77) Benzidine	20.167	184	30451	3.485	ng	# 90

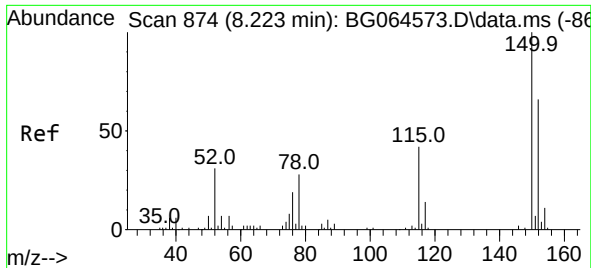
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
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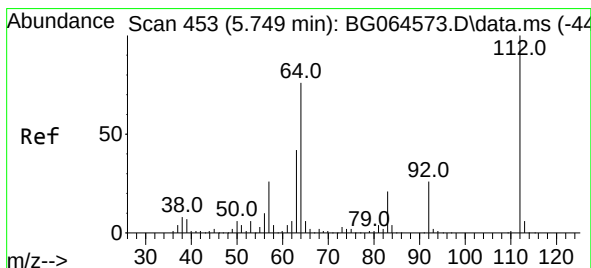
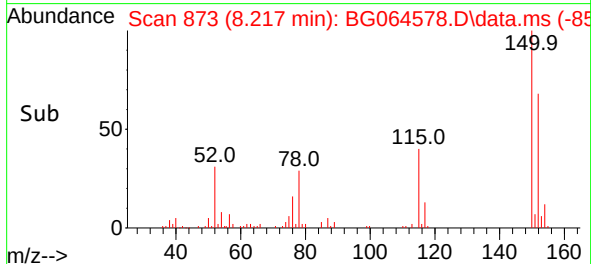
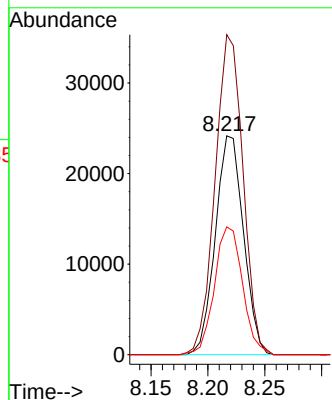
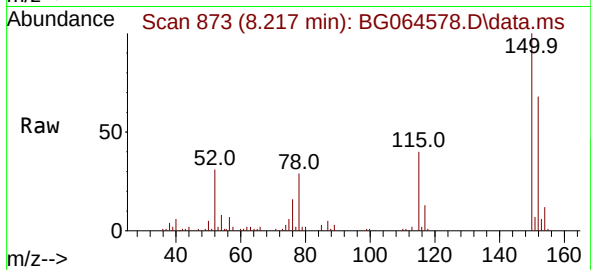




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

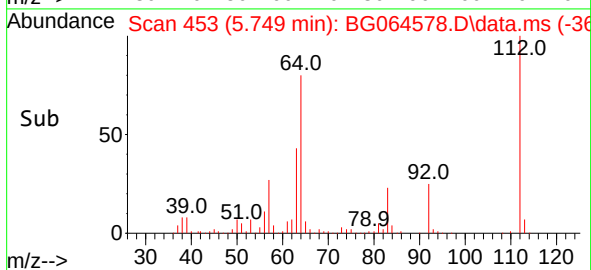
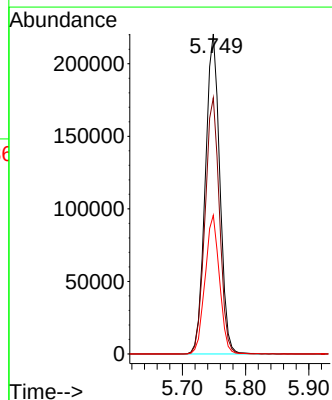
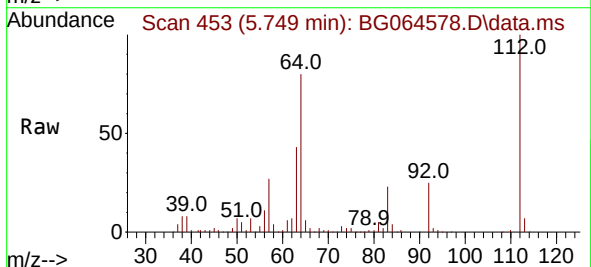
Instrument :
BNA_G
ClientSampleId :
PB170222BL

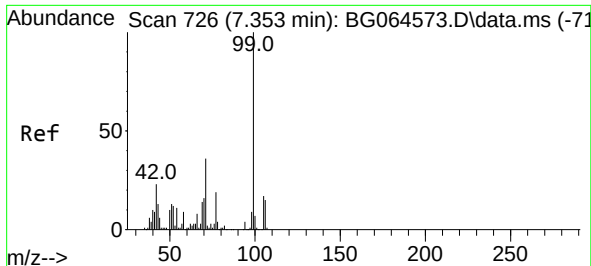
Tgt Ion:152 Resp: 41612
Ion Ratio Lower Upper
152 100
150 146.1 122.2 183.4
115 58.4 50.8 76.2



#5
2-Fluorophenol
Concen: 141.500 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion:112 Resp: 350796
Ion Ratio Lower Upper
112 100
64 80.1 60.7 91.1
63 43.3 33.4 50.0

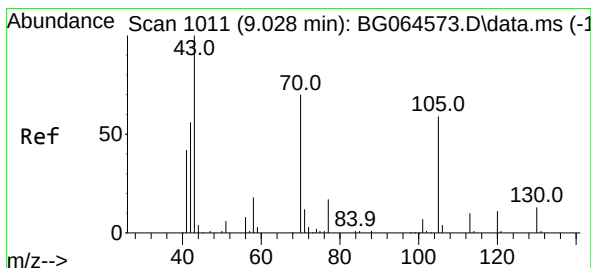
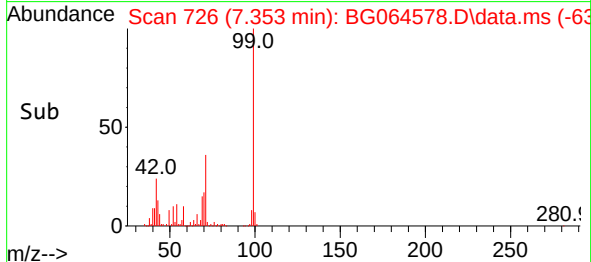
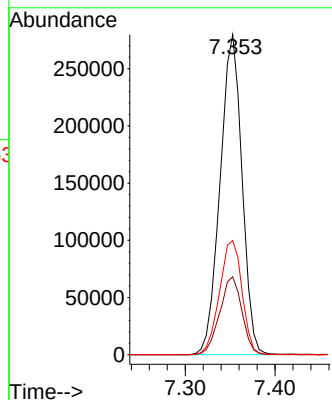
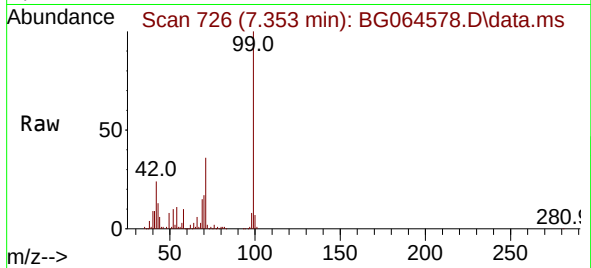




#7
Phenol-d6
Concen: 139.261 ng
RT: 7.353 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

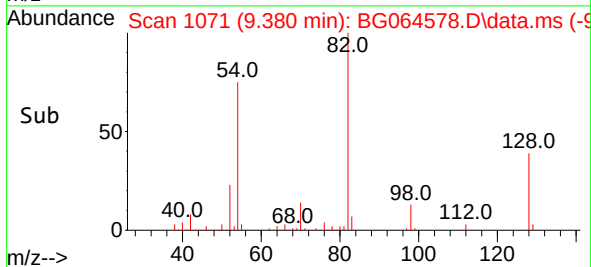
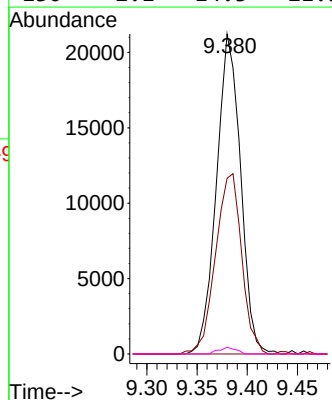
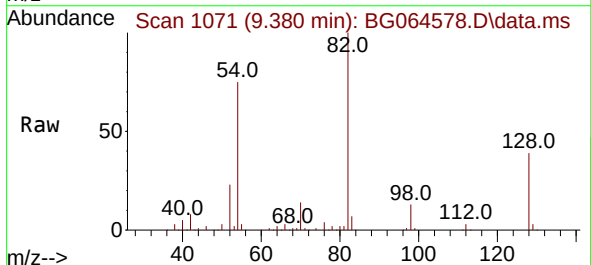
Instrument :
BNA_G
ClientSampleId :
PB170222BL

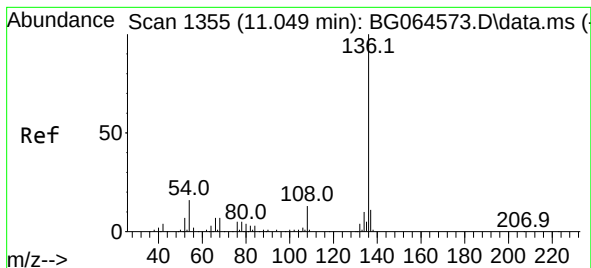
Tgt Ion: 99 Resp: 473750
Ion Ratio Lower Upper
99 100
42 24.4 18.3 27.5
71 35.7 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.060 ng
RT: 9.380 min Scan# 1071
Delta R.T. 0.349 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion: 70 Resp: 35406
Ion Ratio Lower Upper
70 100
42 54.9 65.2 97.8#
101 0.0 7.9 11.9#
130 2.1 14.3 21.5#

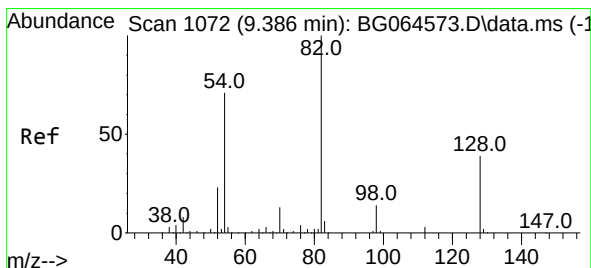
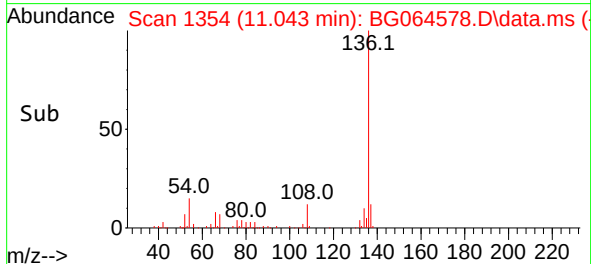
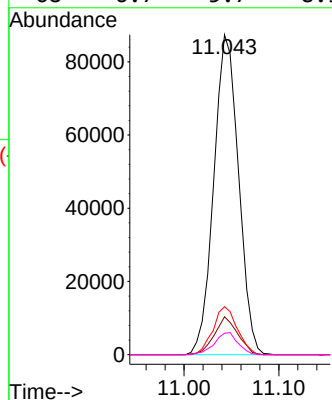
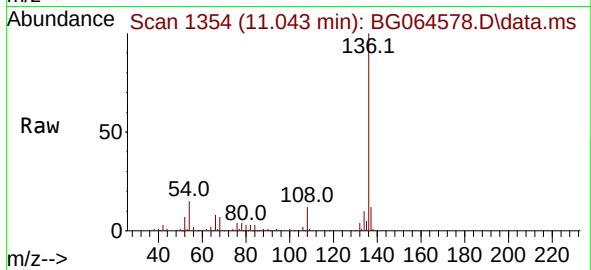




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1104
Delta R.T. -0.010 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

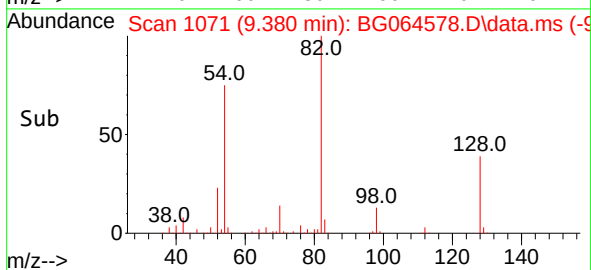
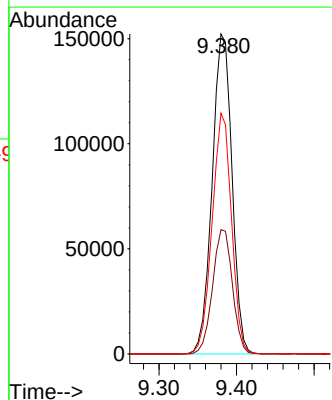
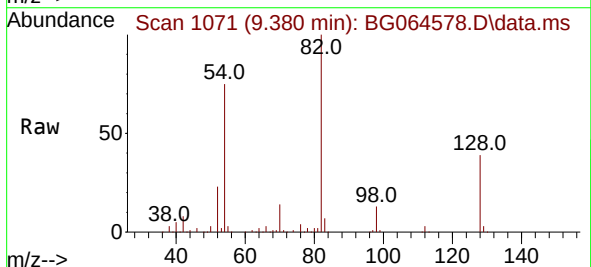
Instrument :
BNA_G
ClientSampleId :
PB170222BL

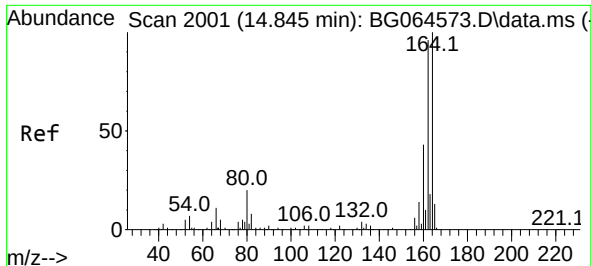
Tgt Ion:136 Resp: 158602
Ion Ratio Lower Upper
136 100
137 11.9 9.2 13.8
54 15.0 12.6 19.0
68 6.7 5.7 8.5



#23
Nitrobenzene-d5
Concen: 102.593 ng
RT: 9.380 min Scan# 1071
Delta R.T. -0.010 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion: 82 Resp: 270907
Ion Ratio Lower Upper
82 100
128 38.8 31.3 46.9
54 75.3 56.6 84.8

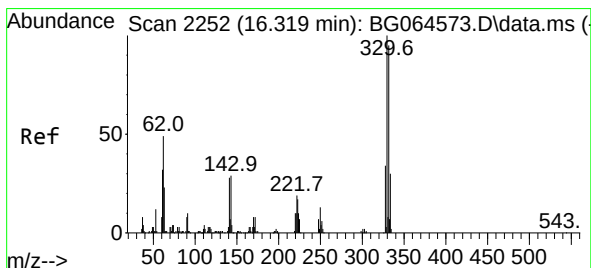
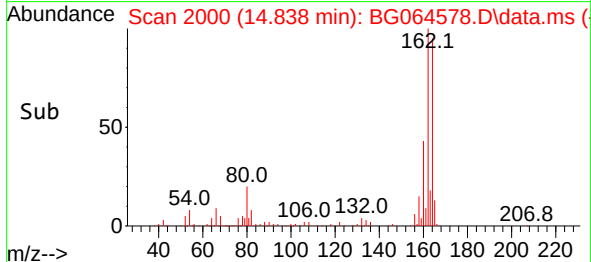
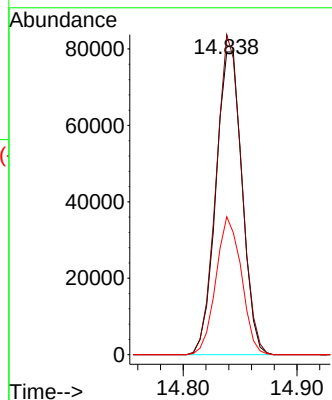
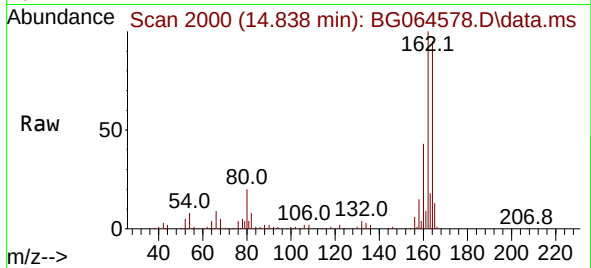




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

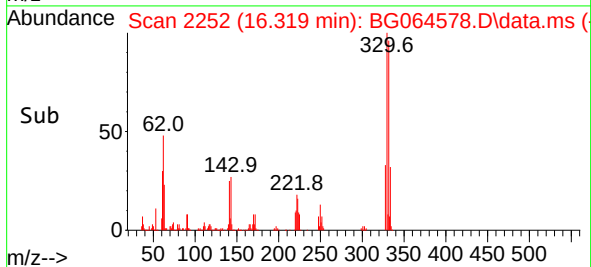
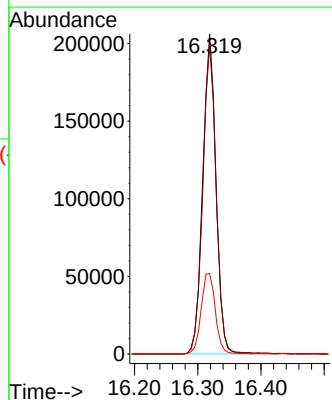
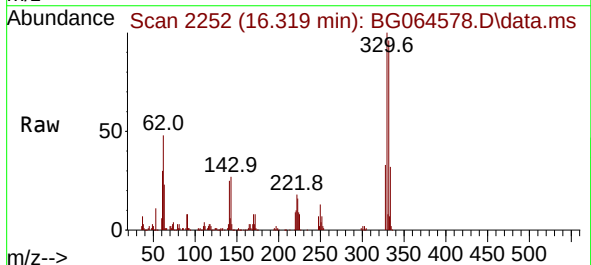
Instrument :
BNA_G
ClientSampleId :
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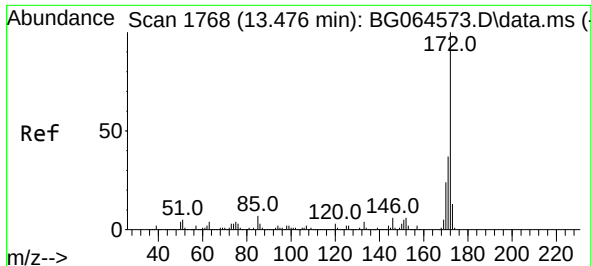
Tgt Ion:164 Resp: 127284
Ion Ratio Lower Upper
164 100
162 105.7 77.0 115.6
160 45.6 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 163.954 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion:330 Resp: 301199
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 26.8 21.8 32.6

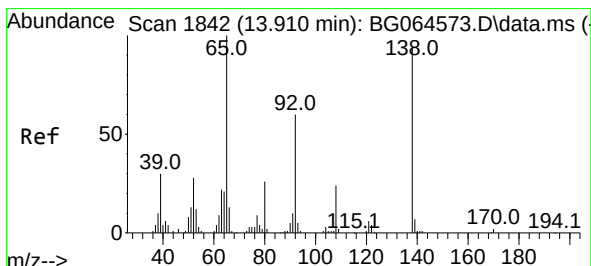
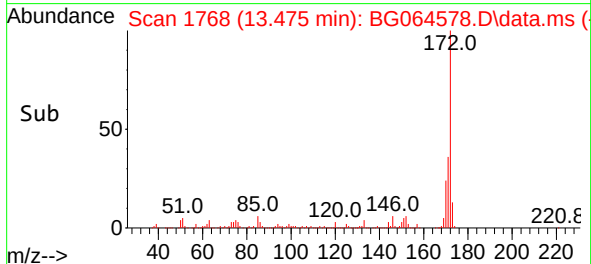
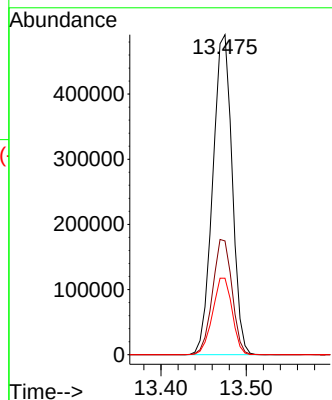
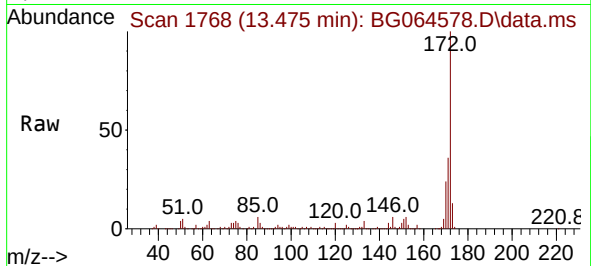




#45
2-Fluorobiphenyl
Concen: 92.202 ng
RT: 13.475 min Scan# 1767
Delta R.T. -0.004 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

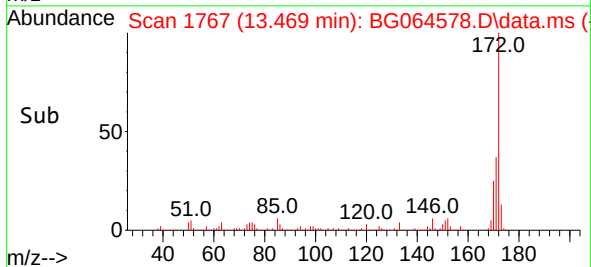
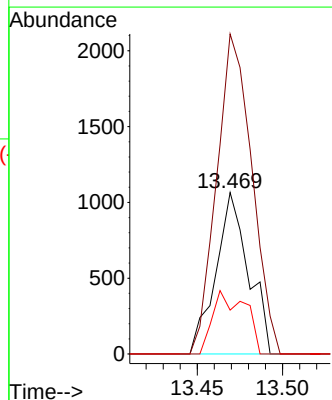
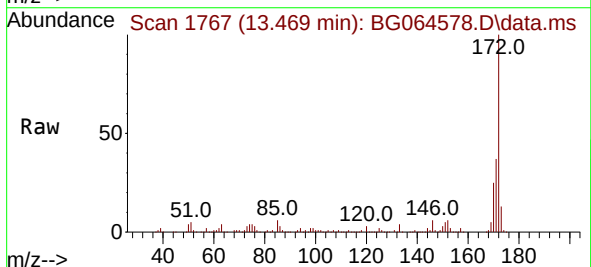
Instrument :
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ClientSampleId :
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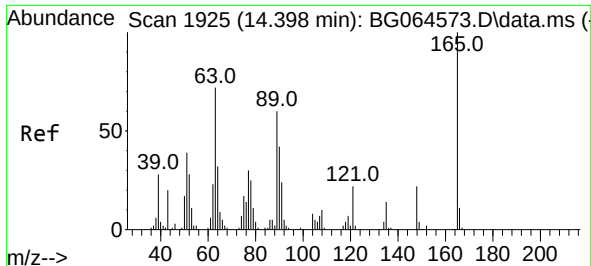
Tgt Ion:172 Resp: 774263
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.9 19.1 28.7



#48
2-Nitroaniline
Concen: 3.802 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.445 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion: 65 Resp: 1419
Ion Ratio Lower Upper
65 100
92 198.2 48.3 72.5#
138 27.1 74.9 112.3#

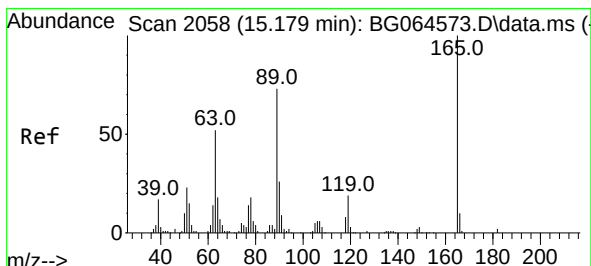
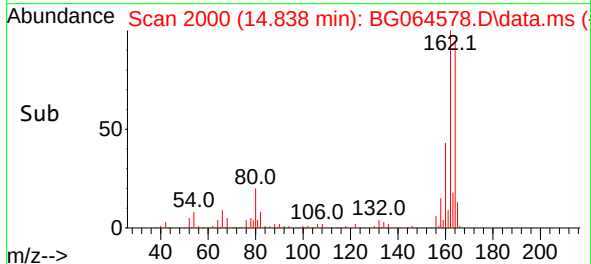
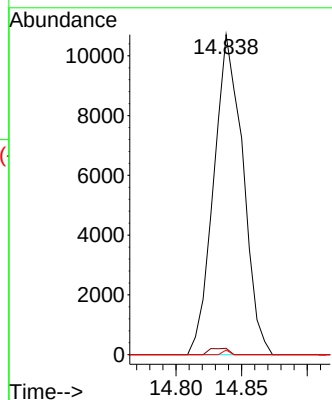
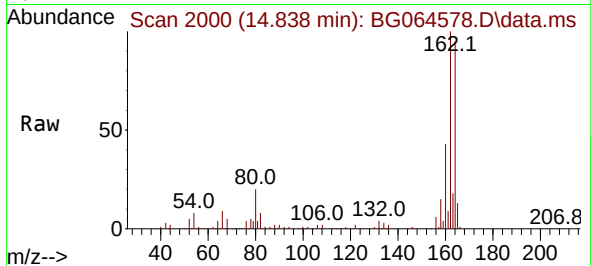




#51
2,6-Dinitrotoluene
Concen: 12.810 ng
RT: 14.838 min Scan# 2000
Delta R.T. 0.436 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

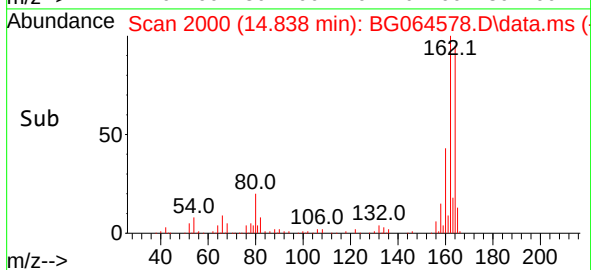
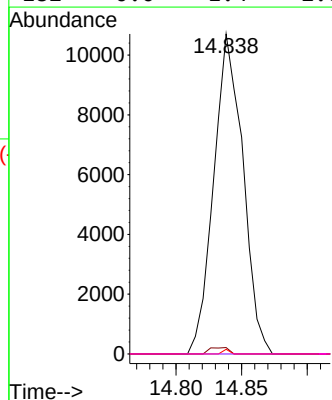
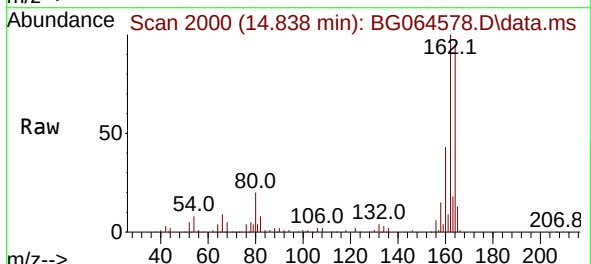
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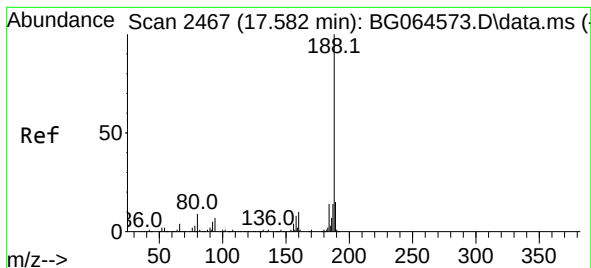
Tgt Ion:165 Resp: 16557
Ion Ratio Lower Upper
165 100
63 2.0 57.4 86.0#
89 1.4 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.291 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.351 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion:165 Resp: 16557
Ion Ratio Lower Upper
165 100
63 2.0 41.8 62.8#
89 1.4 58.1 87.1#
182 0.0 1.4 2.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.576 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG064578.D

Acq: 24 Oct 2025 17:28

Instrument :

BNA_G

ClientSampleId :

PB170222BL

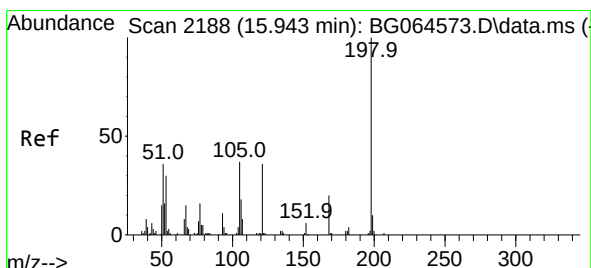
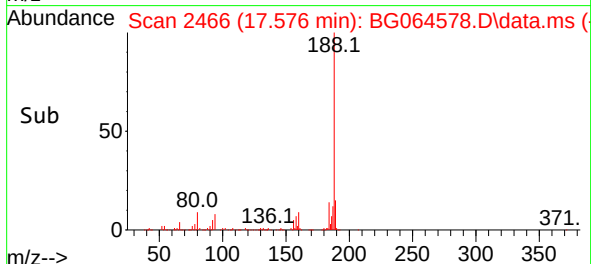
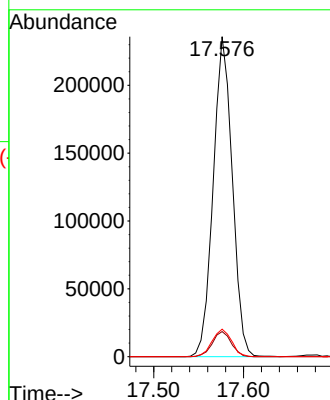
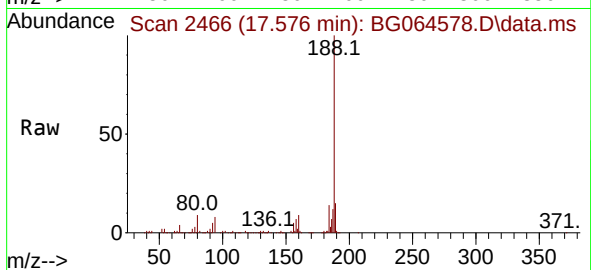
Tgt Ion:188 Resp: 348229

Ion Ratio Lower Upper

188 100

94 7.9 5.7 8.5

80 8.6 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.667 ng

RT: 16.313 min Scan# 2251

Delta R.T. 0.366 min

Lab File: BG064578.D

Acq: 24 Oct 2025 17:28

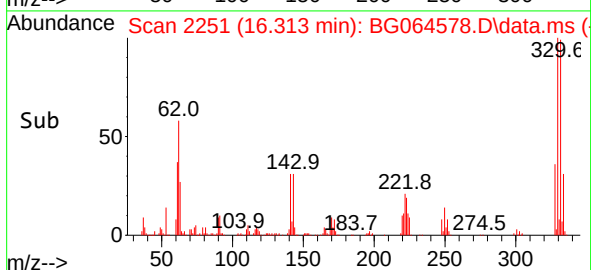
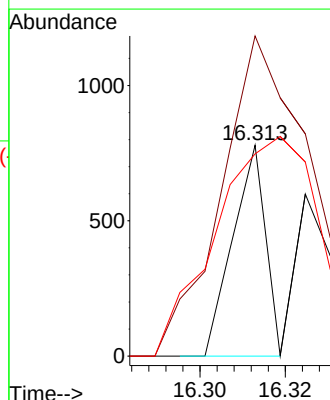
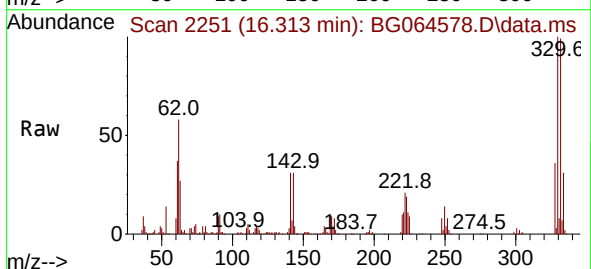
Tgt Ion:198 Resp: 415

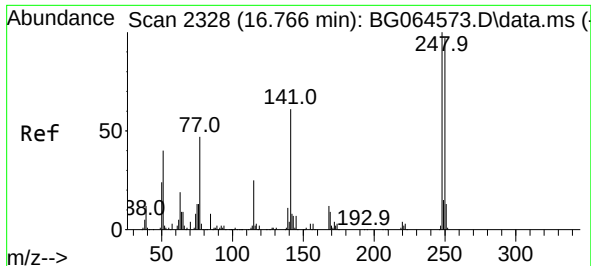
Ion Ratio Lower Upper

198 100

51 46.2 24.7 64.7

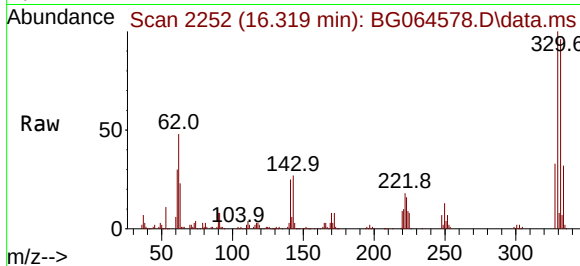
105 29.2 18.0 58.0



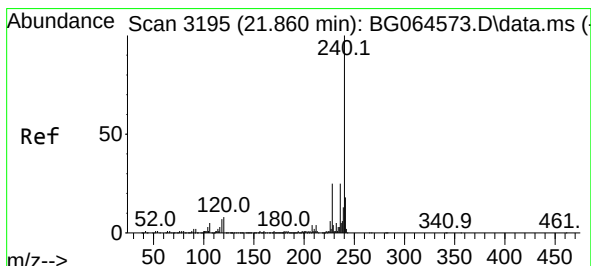
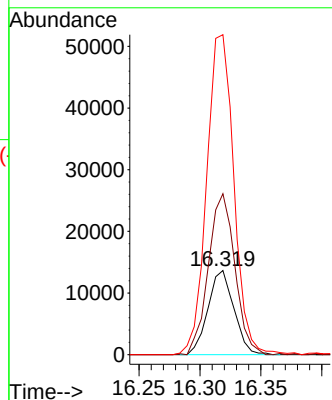
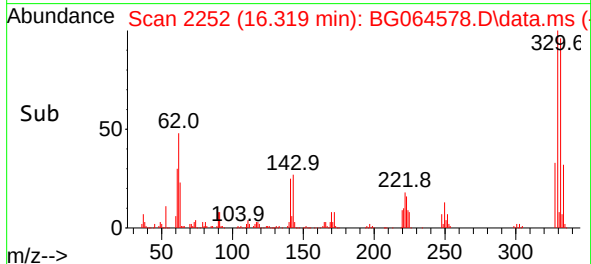


#67
4-Bromophenyl-phenylether
Concen: 4.898 ng
RT: 16.319 min Scan# 211
Delta R.T. -0.451 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Instrument :
BNA_G
ClientSampleId :
PB170222BL

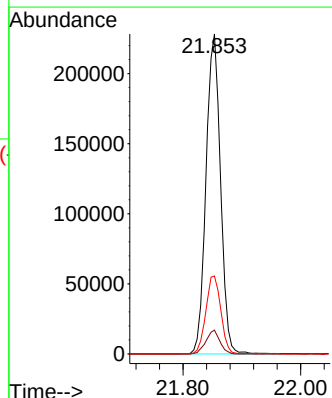
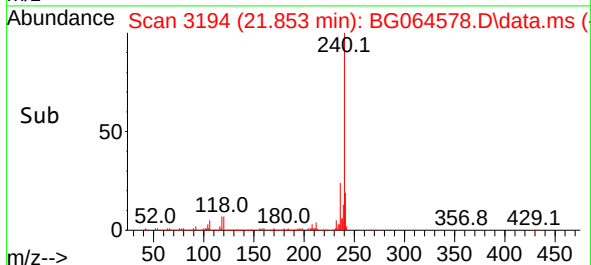
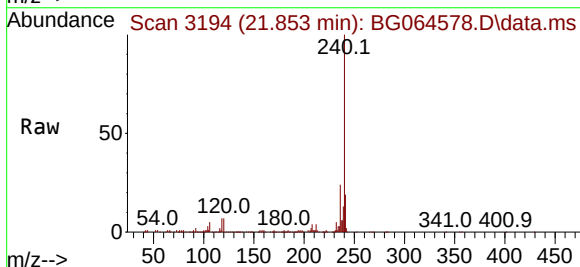


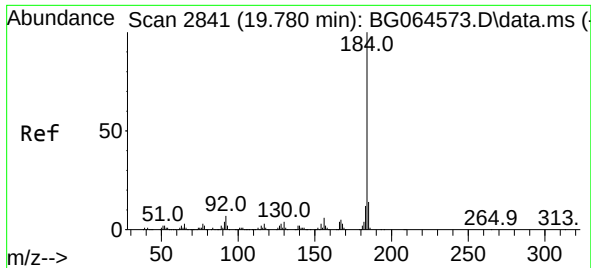
Tgt Ion:248 Resp: 20214
Ion Ratio Lower Upper
248 100
250 191.8 77.7 116.5#
141 290.9 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.853 min Scan# 3194
Delta R.T. -0.010 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion:240 Resp: 389984
Ion Ratio Lower Upper
240 100
120 7.4 6.5 9.7
236 24.3 20.2 30.2

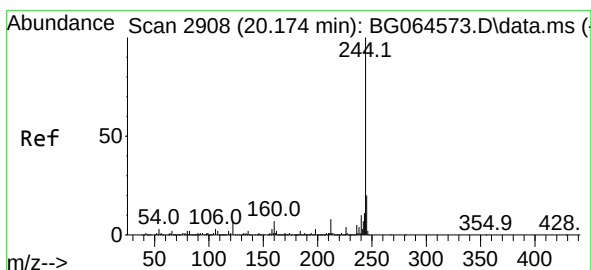
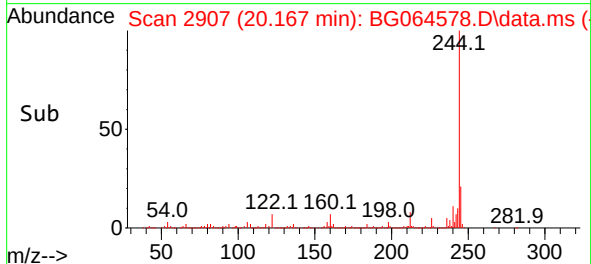
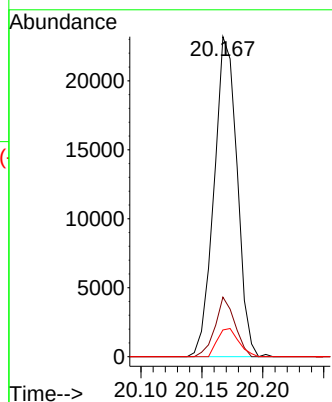
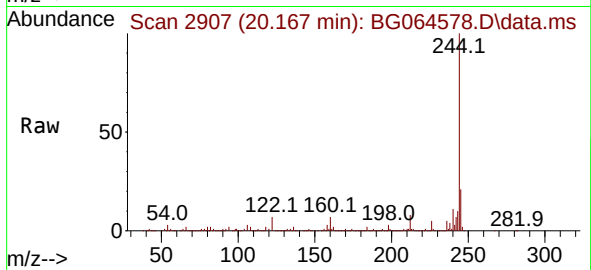




#77
Benzidine
Concen: 3.485 ng
RT: 20.167 min Scan# 2907
Delta R.T. 0.384 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

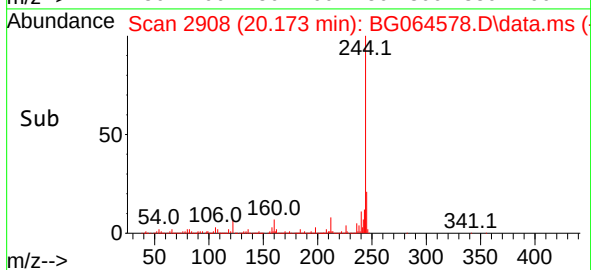
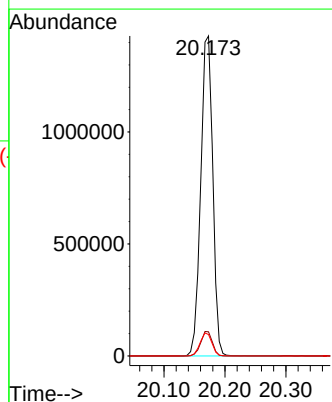
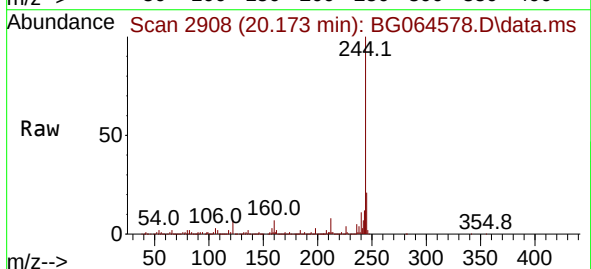
Instrument :
BNA_G
ClientSampleId :
PB170222BL

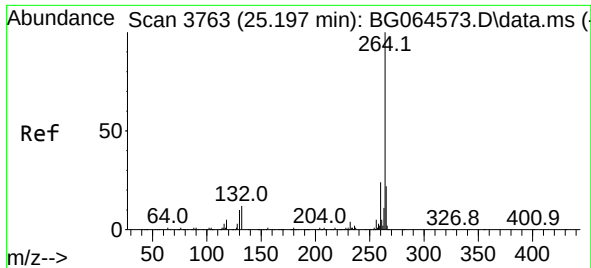
Tgt Ion:184 Resp: 30451
Ion Ratio Lower Upper
184 100
185 18.6 11.4 17.2#
183 8.3 9.4 14.2#



#79
Terphenyl-d14
Concen: 95.009 ng
RT: 20.173 min Scan# 2908
Delta R.T. -0.004 min
Lab File: BG064578.D
Acq: 24 Oct 2025 17:28

Tgt Ion:244 Resp: 1963373
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 6.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.197 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BG064578.D
 Acq: 24 Oct 2025 17:28

Instrument :
 BNA_G
 ClientSampleId :
 PB170222BL

Tgt Ion:264 Resp: 412347
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.0 28.4
 265 21.5 17.6 26.4

