

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064601.D
 Acq On : 28 Oct 2025 14:26
 Operator : RC/JU
 Sample : PB170239TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170239TB

Quant Time: Oct 28 15:03:04 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)

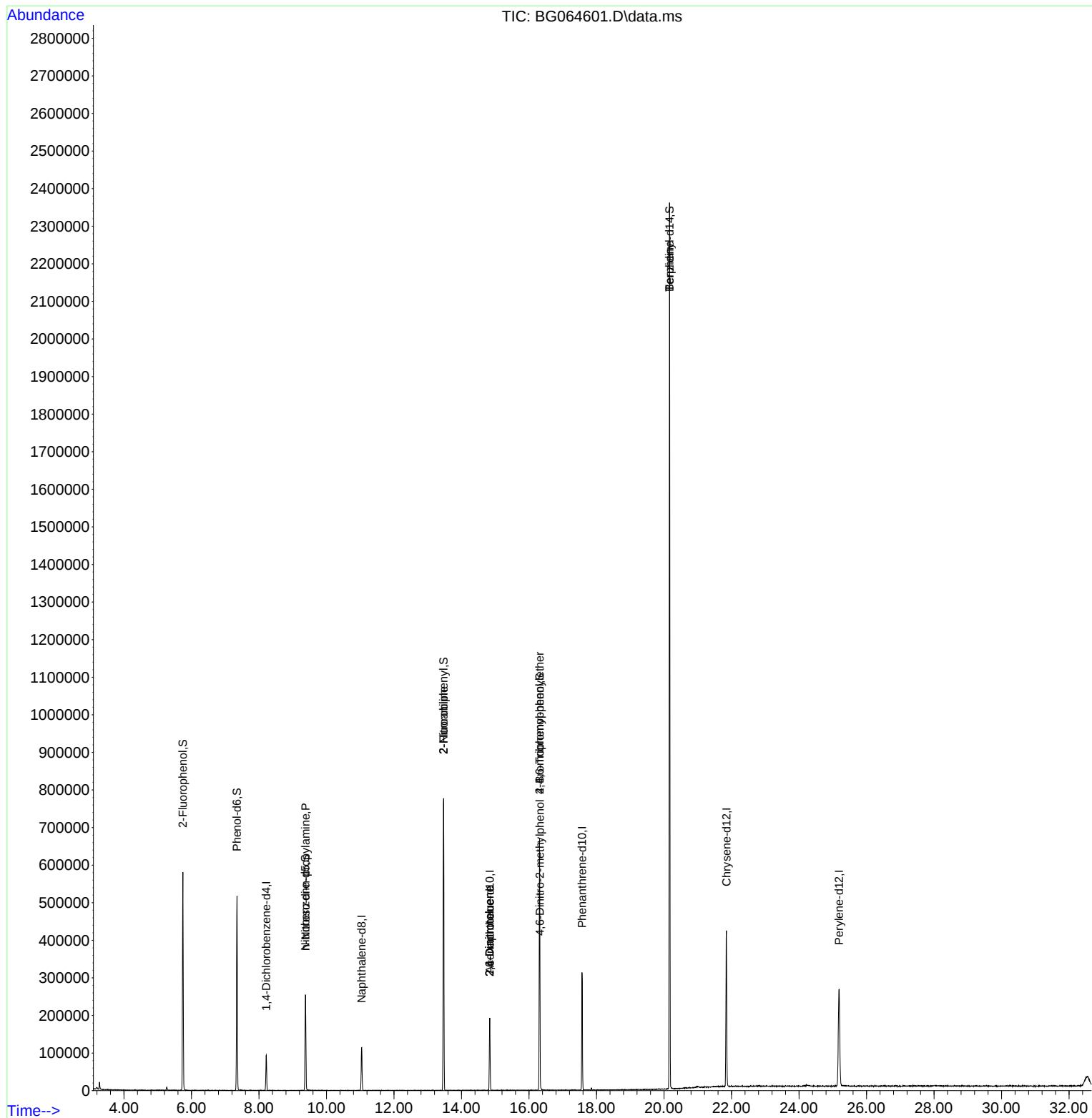
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	25341	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	92692	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	70316	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	194854	20.000	ng	0.00
76) Chrysene-d12	21.849	240	275677	20.000	ng	-0.01
86) Perylene-d12	25.186	264	313610	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	215145	142.504	ng	0.00
7) Phenol-d6	7.348	99	263377	127.132	ng	0.00
23) Nitrobenzene-d5	9.375	82	142155	92.114	ng	-0.01
42) 2,4,6-Tribromophenol	16.314	330	138100	136.076	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	411607	88.727	ng	0.00
79) Terphenyl-d14	20.162	244	1212132	82.977	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.381	70	18710	13.068	ng	# 73
48) 2-Nitroaniline	13.470	65	771	3.793	ng	# 10
51) 2,6-Dinitrotoluene	14.833	165	9131	12.794	ng	# 17
57) 2,4-Dinitrotoluene	14.833	165	9131	9.280	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.326	198	473	5.916	ng	74
67) 4-Bromophenyl-phenylether	16.314	248	9359	4.053	ng	# 1
77) Benzidine	20.162	184	19684	3.187	ng	# 93

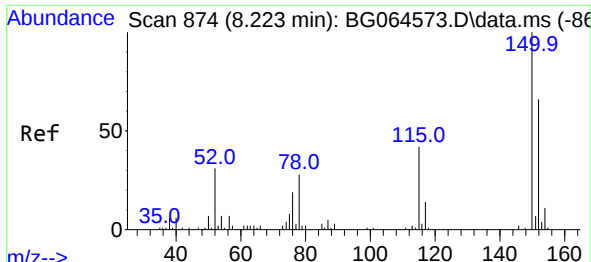
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 24 16:40:26 2025
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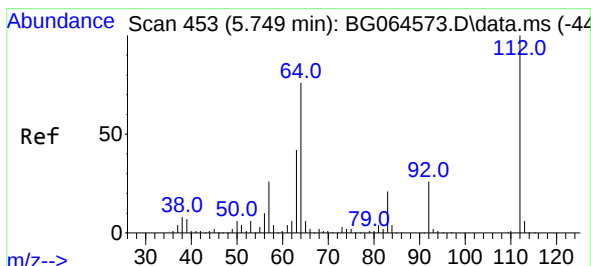
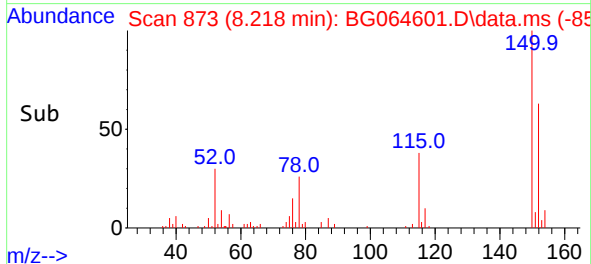
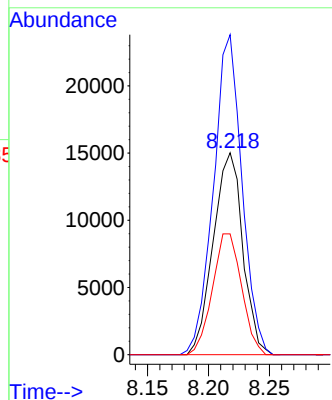
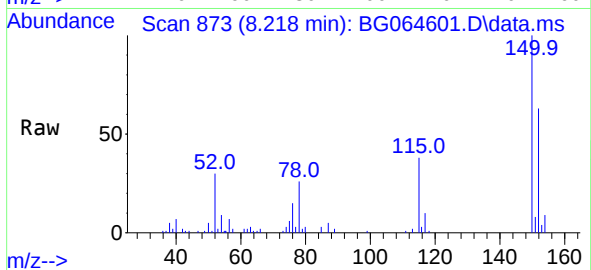




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

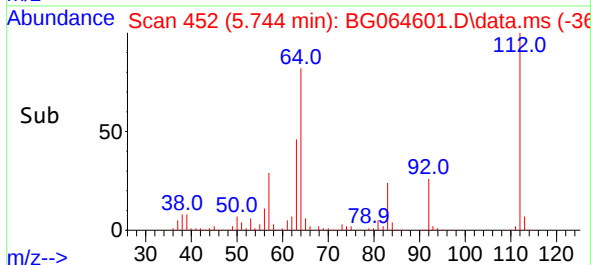
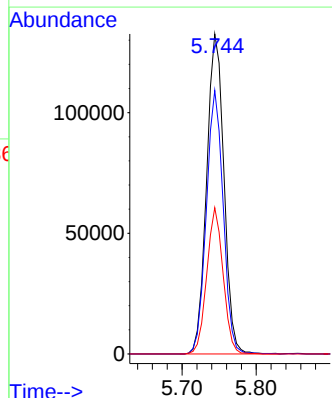
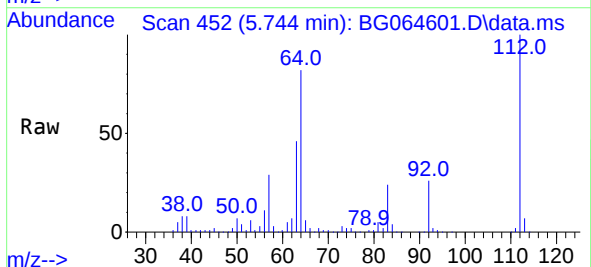
Instrument :
BNA_G
ClientSampleId :
PB170239TB

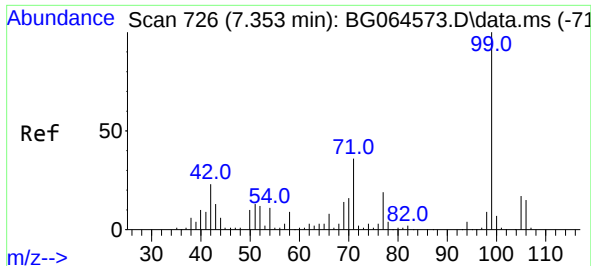
Tgt Ion:152 Resp: 25341
Ion Ratio Lower Upper
152 100
150 158.5 122.2 183.4
115 59.9 50.8 76.2



#5
2-Fluorophenol
Concen: 142.504 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:112 Resp: 215145
Ion Ratio Lower Upper
112 100
64 82.3 60.7 91.1
63 45.7 33.4 50.0

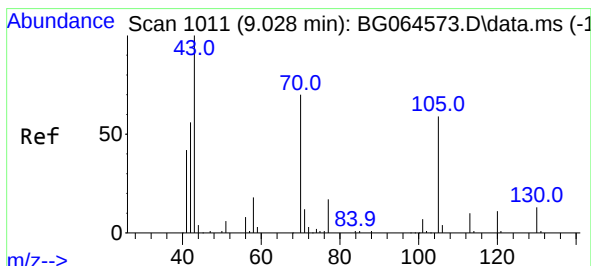
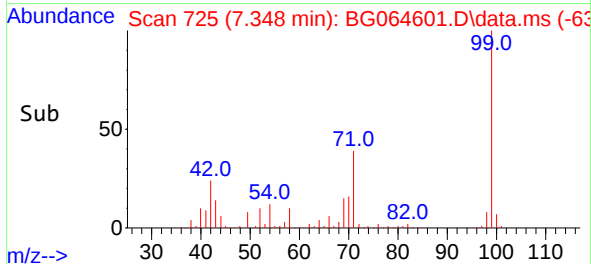
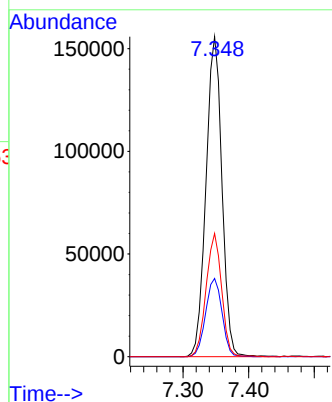
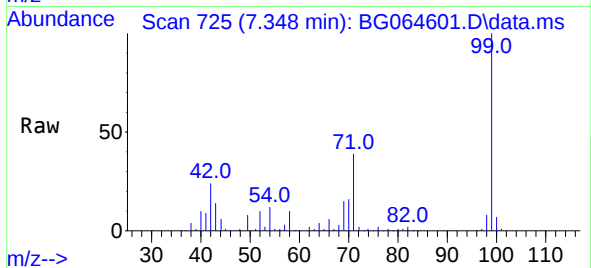




#7
Phenol-d6
Concen: 127.132 ng
RT: 7.348 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

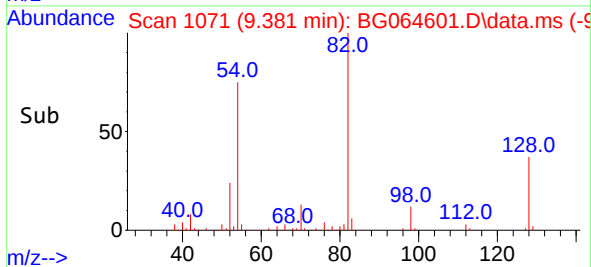
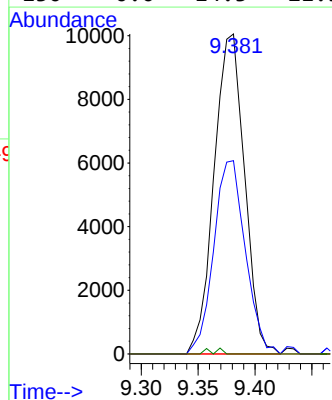
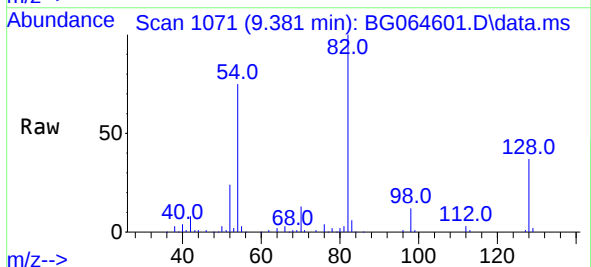
Instrument :
BNA_G
ClientSampleId :
PB170239TB

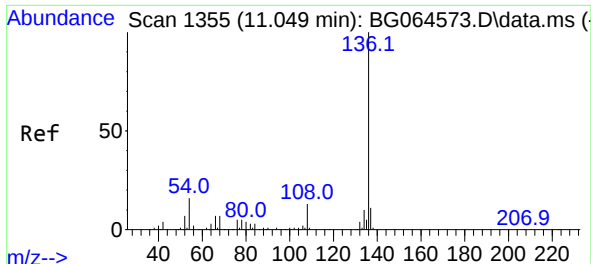
Tgt Ion: 99 Resp: 263377
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 38.5 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.068 ng
RT: 9.381 min Scan# 1071
Delta R.T. 0.350 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion: 70 Resp: 18710
Ion Ratio Lower Upper
70 100
42 60.4 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#



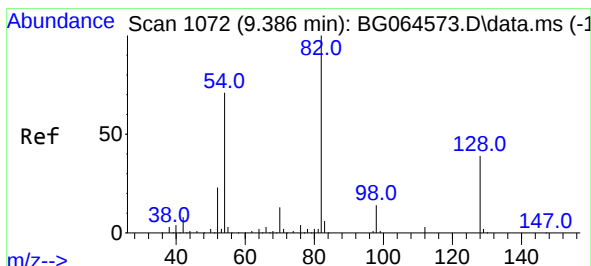
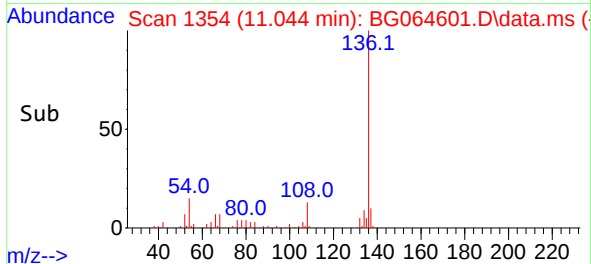
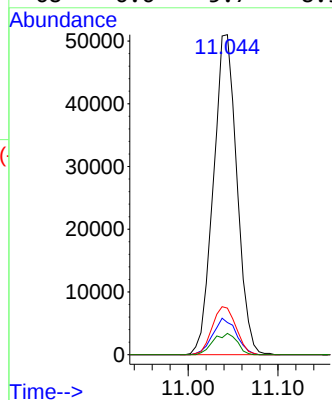
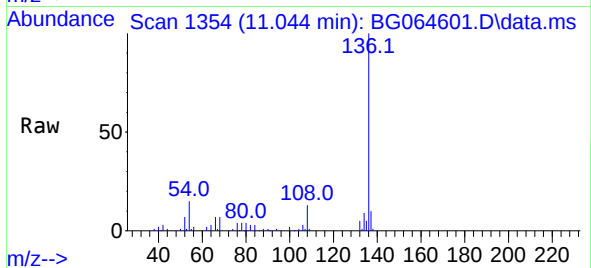


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11044
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Tgt Ion:136 Resp: 92692

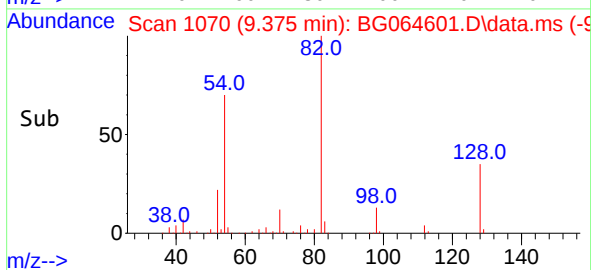
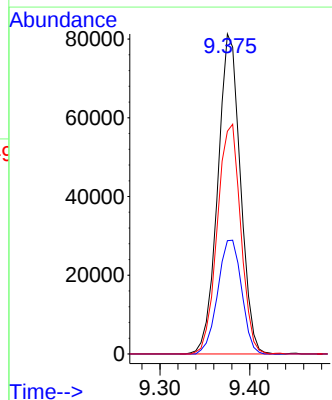
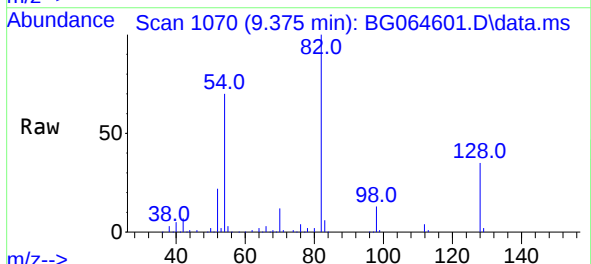
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	14.5	12.6	19.0
68	6.6	5.7	8.5

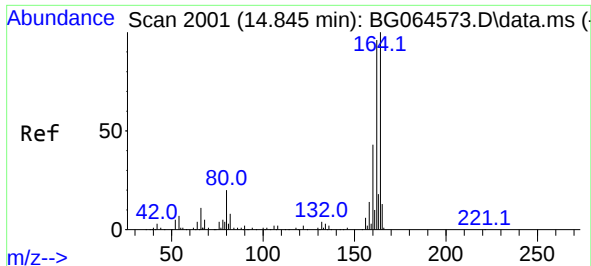


#23
Nitrobenzene-d5
Concen: 92.114 ng
RT: 9.375 min Scan# 1070
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion: 82 Resp: 142155

Ion	Ratio	Lower	Upper
82	100		
128	35.4	31.3	46.9
54	69.6	56.6	84.8

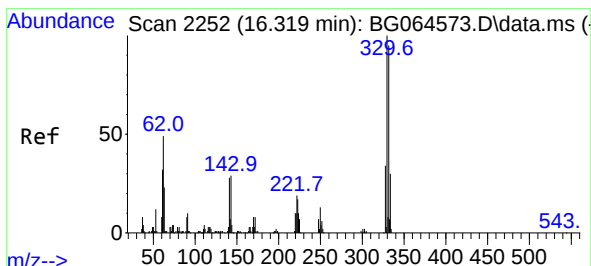
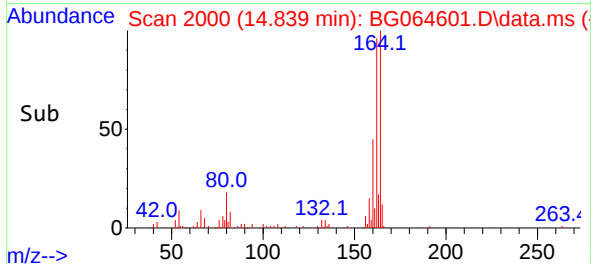
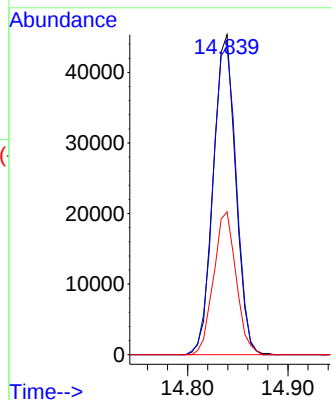
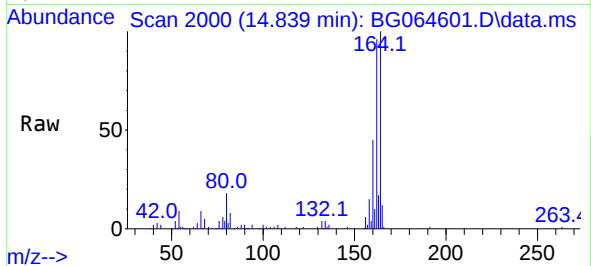




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

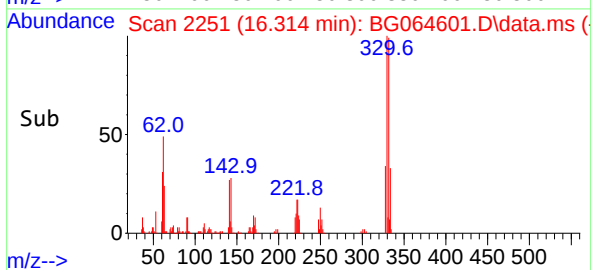
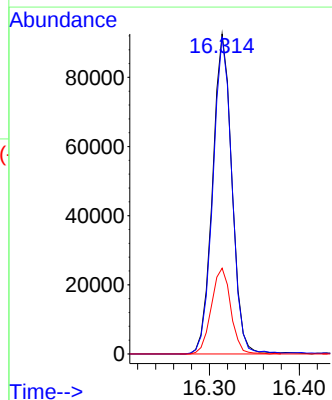
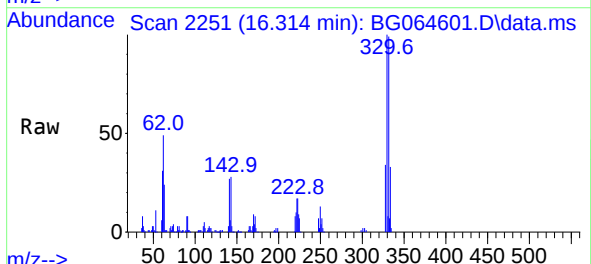
Instrument :
BNA_G
ClientSampleId :
PB170239TB

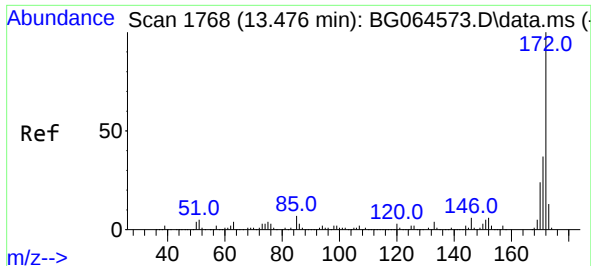
Tgt Ion:164 Resp: 70316
Ion Ratio Lower Upper
164 100
162 96.4 77.0 115.6
160 44.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 136.076 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:330 Resp: 138100
Ion Ratio Lower Upper
330 100
332 97.6 78.0 117.0
141 27.0 21.8 32.6

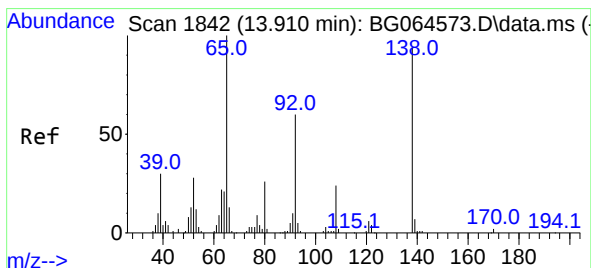
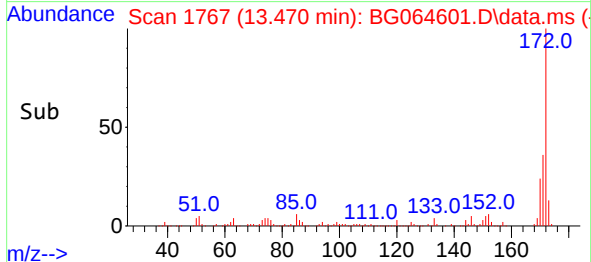
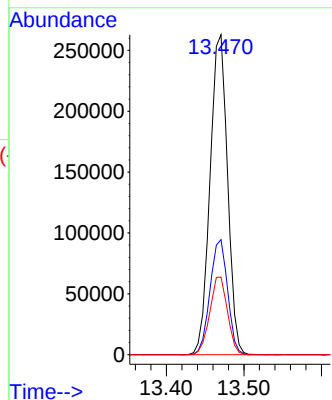
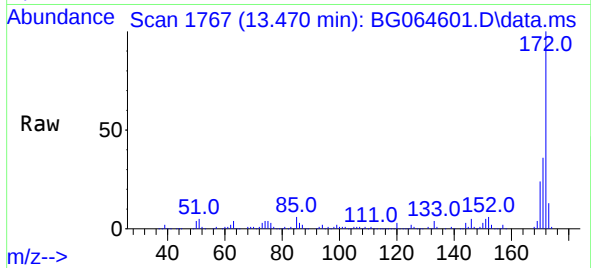




#45
2-Fluorobiphenyl
Concen: 88.727 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

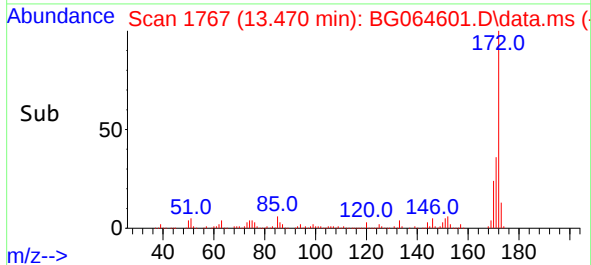
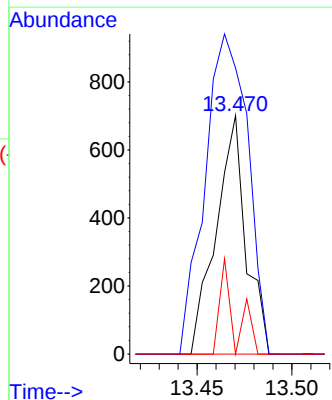
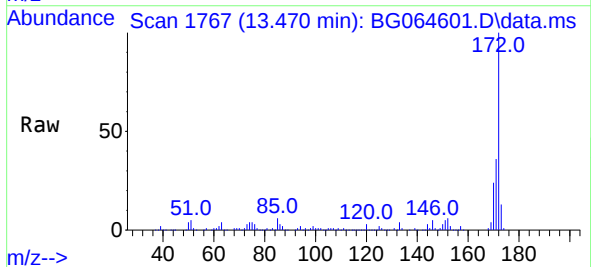
Instrument :
BNA_G
ClientSampleId :
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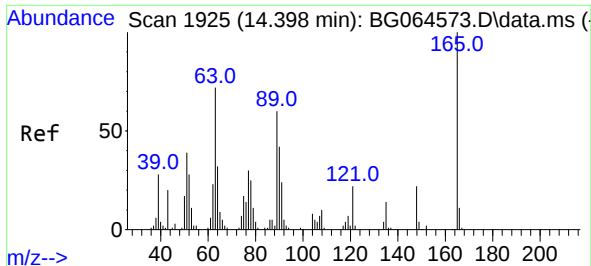
Tgt Ion:172 Resp: 411607
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.2 19.1 28.7



#48
2-Nitroaniline
Concen: 3.793 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.444 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion: 65 Resp: 771
Ion Ratio Lower Upper
65 100
92 120.0 48.3 72.5#
138 0.0 74.9 112.3#

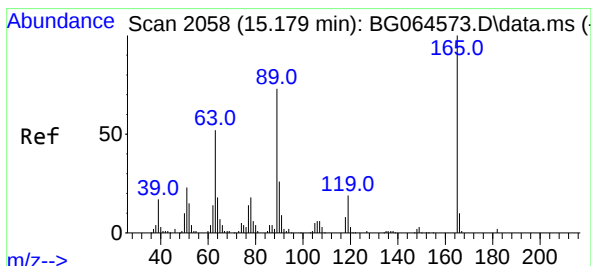
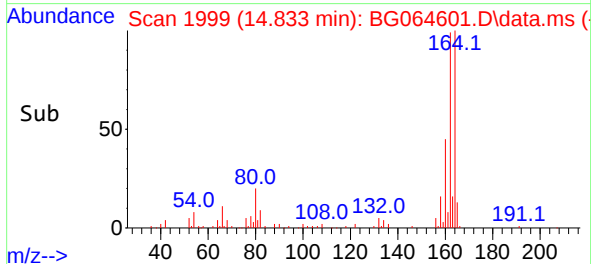
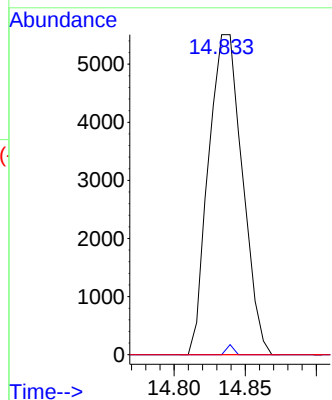
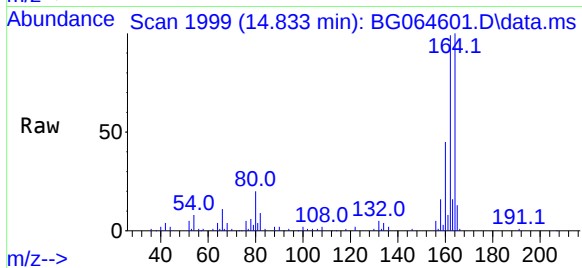




#51
2,6-Dinitrotoluene
Concen: 12.794 ng
RT: 14.833 min Scan# 1925
Delta R.T. 0.431 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

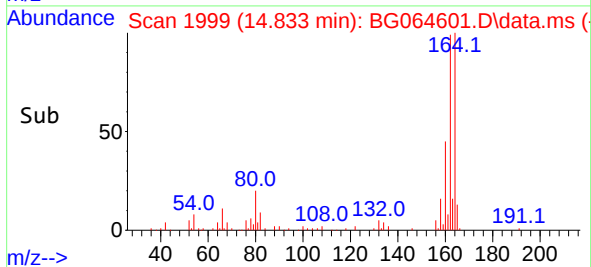
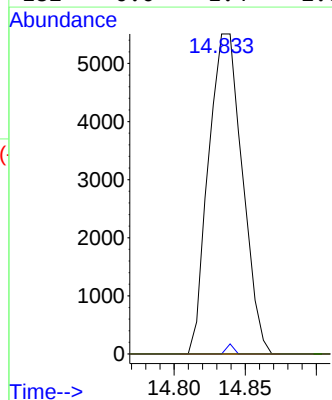
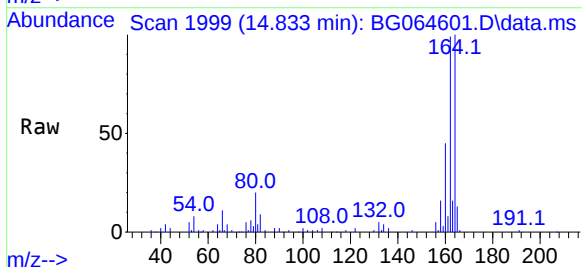
Instrument :
BNA_G
ClientSampleId :
PB170239TB

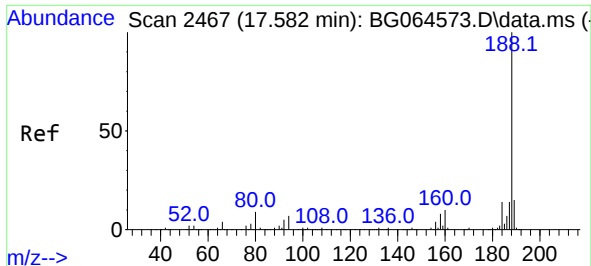
Tgt Ion:165 Resp: 9131
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.280 ng
RT: 14.833 min Scan# 1999
Delta R.T. -0.356 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

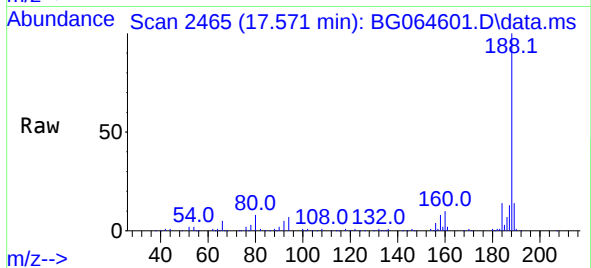
Tgt Ion:165 Resp: 9131
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#



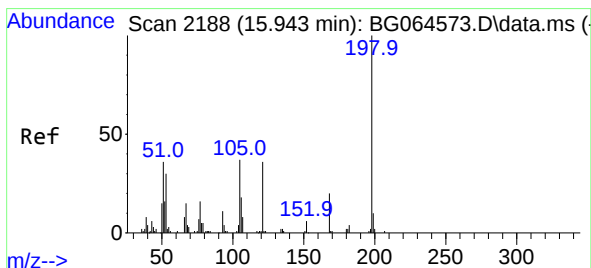
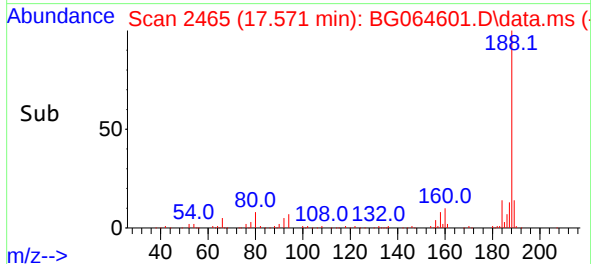
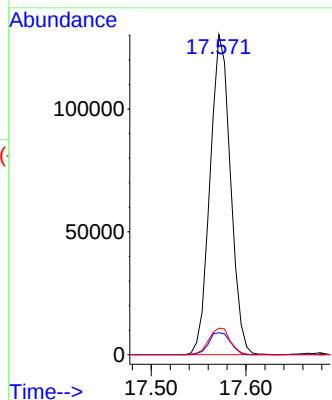


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.571 min Scan# 2465
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

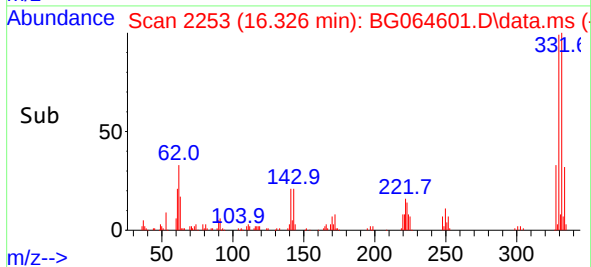
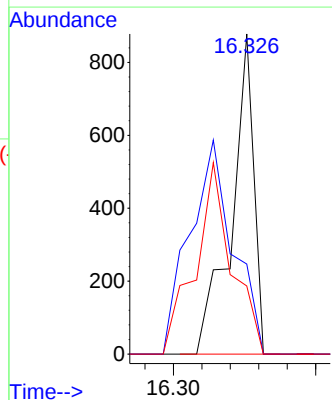
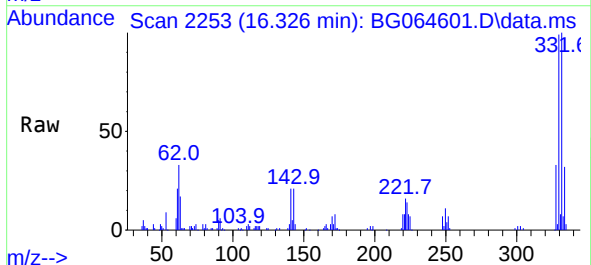


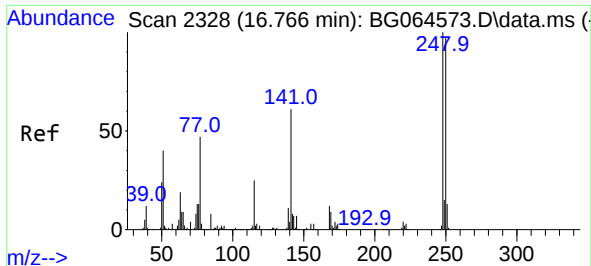
Tgt Ion:188 Resp: 194854
Ion Ratio Lower Upper
188 100
94 6.8 5.7 8.5
80 8.3 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.916 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.379 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:198 Resp: 473
Ion Ratio Lower Upper
198 100
51 28.1 24.7 64.7
105 21.3 18.0 58.0

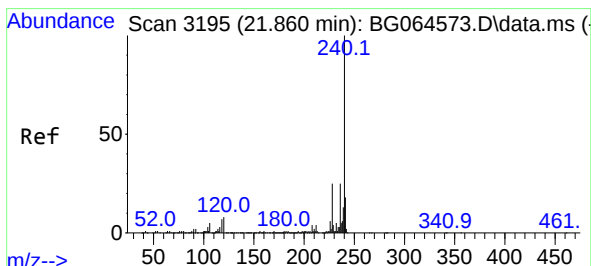
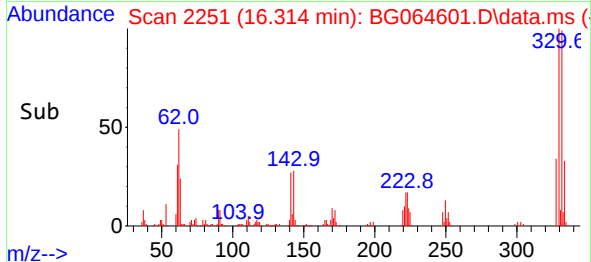
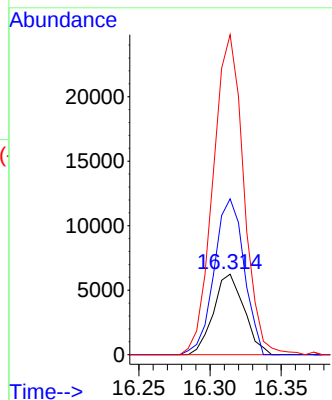
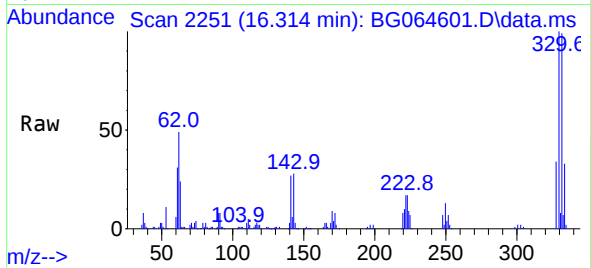




#67
4-Bromophenyl-phenylether
Concen: 4.053 ng
RT: 16.314 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

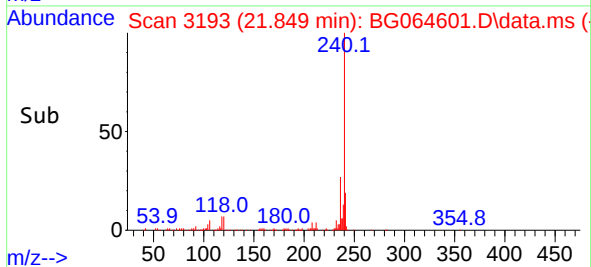
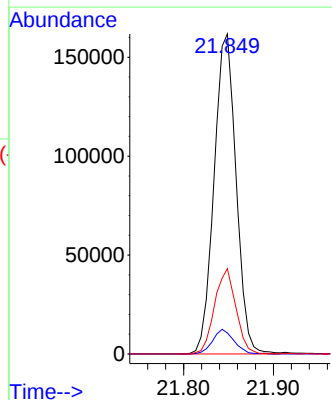
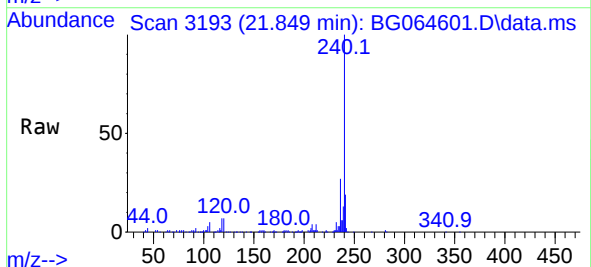
Instrument :
BNA_G
ClientSampleId :
PB170239TB

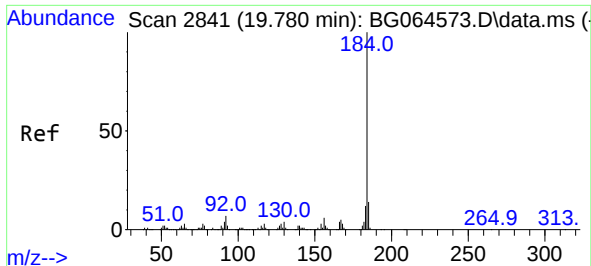
Tgt Ion:248 Resp: 9359
Ion Ratio Lower Upper
248 100
250 251.7 77.7 116.5#
141 397.8 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:240 Resp: 275677
Ion Ratio Lower Upper
240 100
120 6.5 6.5 9.7
236 26.6 20.2 30.2

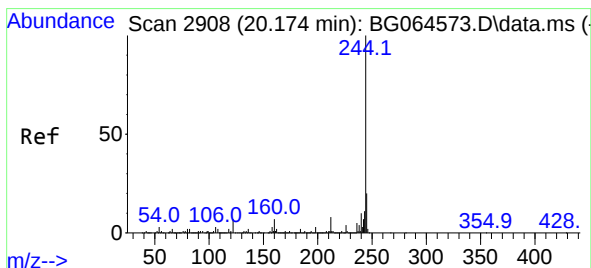
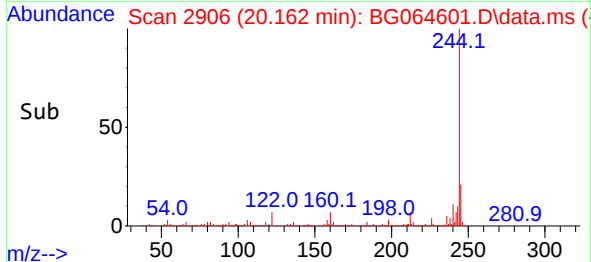
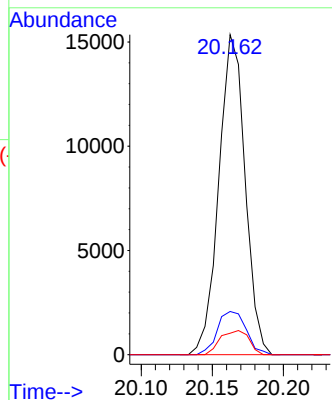
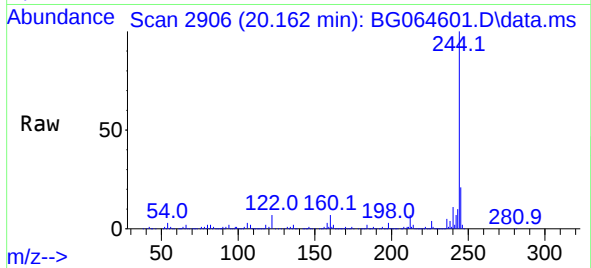




#77
Benzidine
Concen: 3.187 ng
RT: 20.162 min Scan# 2906
Delta R.T. 0.379 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

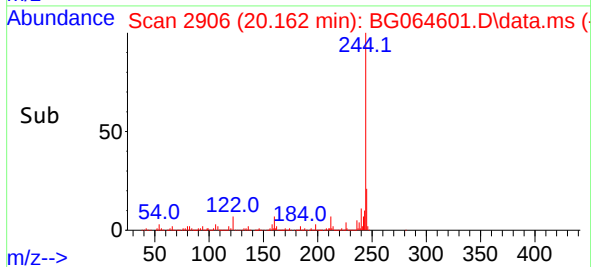
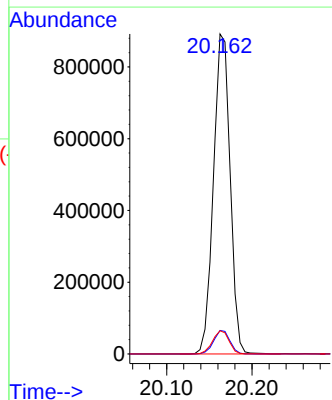
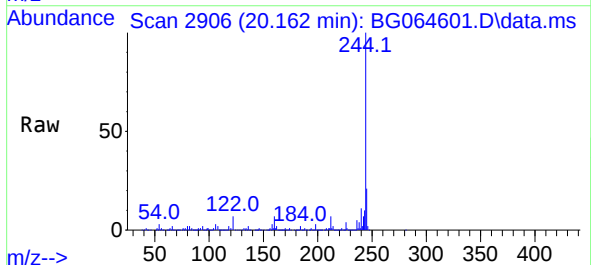
Instrument :
BNA_G
ClientSampleId :
PB170239TB

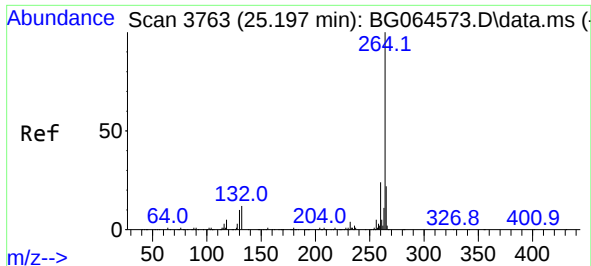
Tgt Ion:184 Resp: 19684
Ion Ratio Lower Upper
184 100
185 13.5 11.4 17.2
183 6.7 9.4 14.2#



#79
Terphenyl-d14
Concen: 82.977 ng
RT: 20.162 min Scan# 2906
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

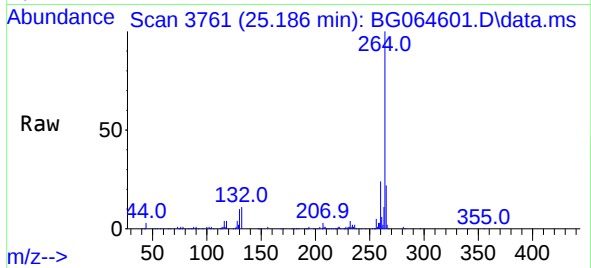
Tgt Ion:244 Resp: 1212132
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 7.3 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB



Tgt Ion:264 Resp: 313610
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.4
265 22.4 17.6 26.4

