

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064656.D
 Acq On : 31 Oct 2025 14:50
 Operator : RC/JU
 Sample : Q3477-08RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 15:28:30 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)

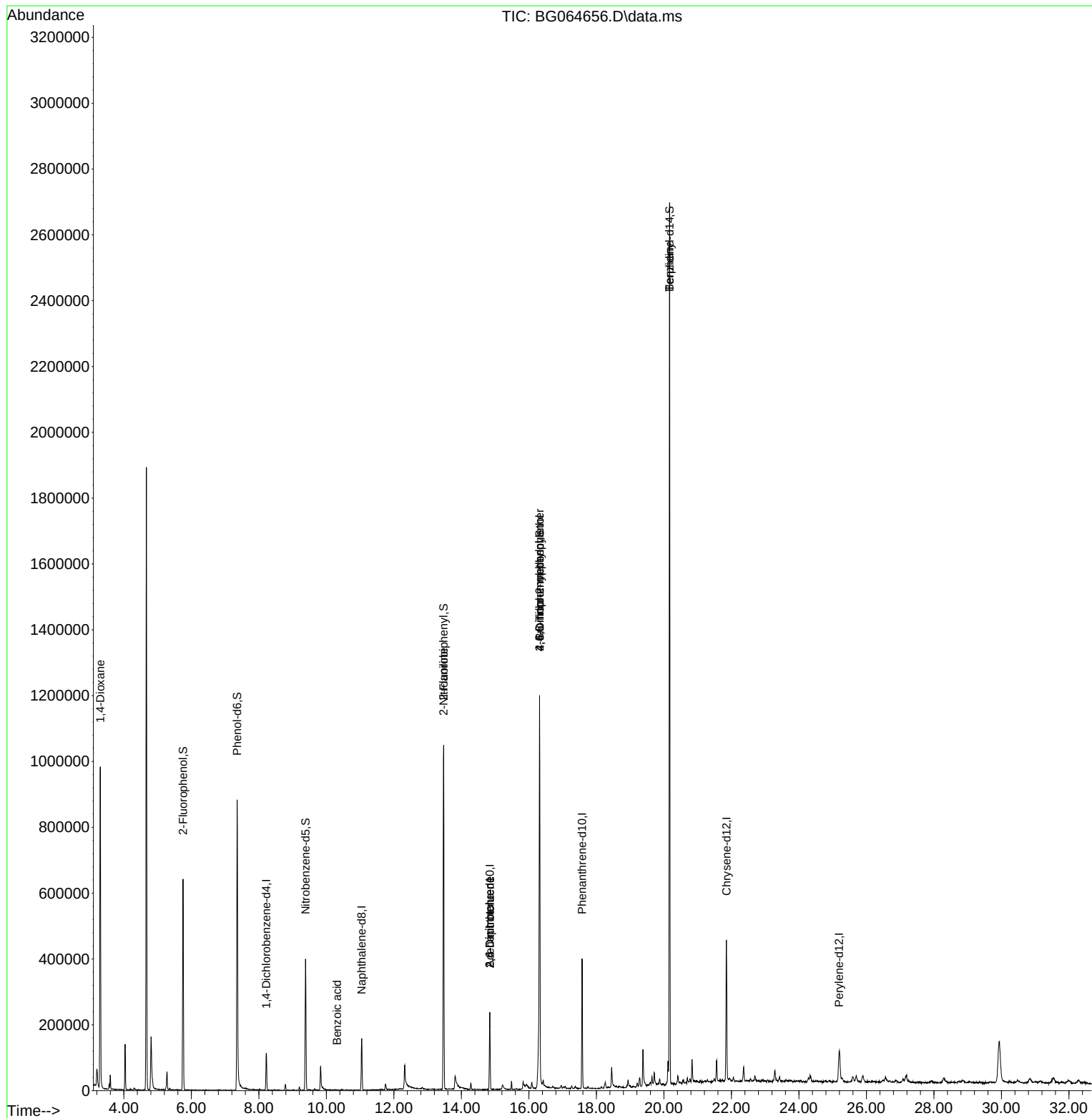
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	32281	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	126478	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	78090	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	257453	20.000	ng	0.00
76) Chrysene-d12	21.851	240	264435	20.000	ng	-0.01
86) Perylene-d12	25.189	264	83058	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.753	112	253828	131.981	ng	0.00
7) Phenol-d6	7.357	99	274095	103.861	ng	0.00
23) Nitrobenzene-d5	9.384	82	220371	104.651	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	231266	205.192	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	562842	109.249	ng	0.00
79) Terphenyl-d14	20.171	244	1397484	99.733	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.303	88	8609	10.111	ng	# 1
32) Benzoic acid	10.318	122	206	7.054	ng	# 73
48) 2-Nitroaniline	13.467	65	990	3.881	ng	# 2
51) 2,6-Dinitrotoluene	14.842	165	10636	13.263	ng	# 19
57) 2,4-Dinitrotoluene	14.842	165	10636	9.584	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.317	198	498	5.816	ng	# 1
67) 4-Bromophenyl-phenylether	16.317	248	14294	4.685	ng	# 1
77) Benzidine	20.165	184	20760	3.504	ng	# 89

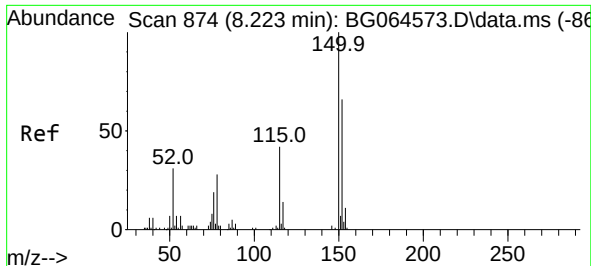
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064656.D
Acq On : 31 Oct 2025 14:50
Operator : RC/JU
Sample : Q3477-08RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 31 15:28:30 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

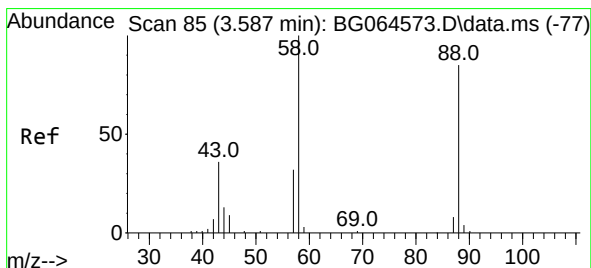
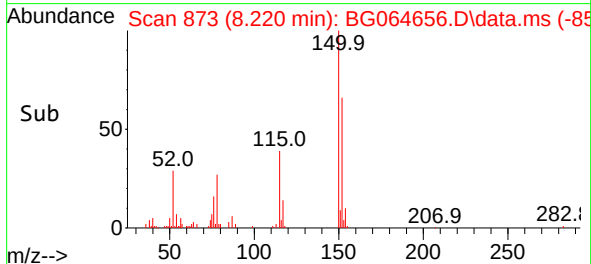
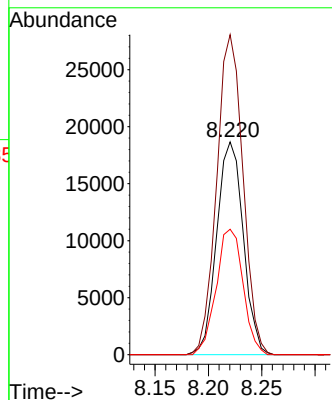
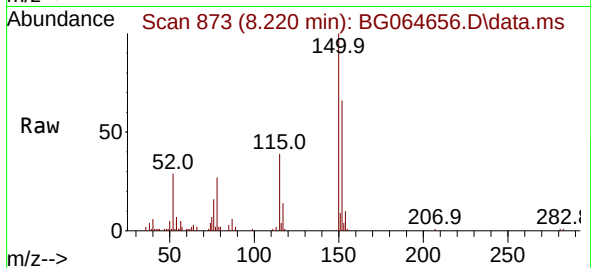




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

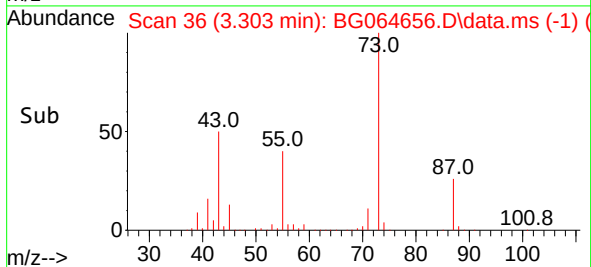
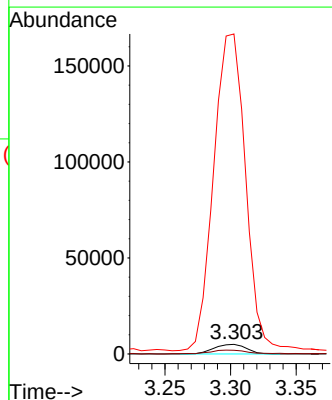
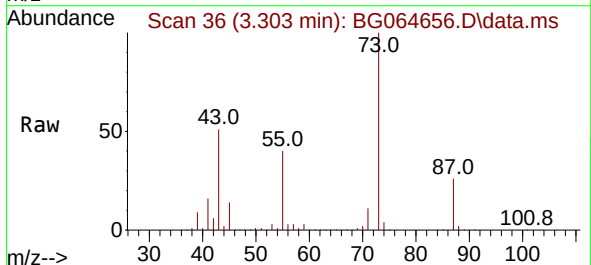
Instrument :
BNA_G
ClientSampleId :

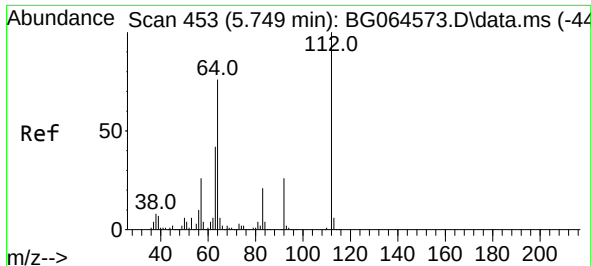
Tgt Ion:152 Resp: 32281
Ion Ratio Lower Upper
152 100
150 150.4 122.2 183.4
115 58.9 50.8 76.2



#2
1,4-Dioxane
Concen: 10.111 ng
RT: 3.303 min Scan# 36
Delta R.T. -0.288 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion: 88 Resp: 8609
Ion Ratio Lower Upper
88 100
58 50.9 92.4 138.6#
43 3276.8 33.0 49.6#

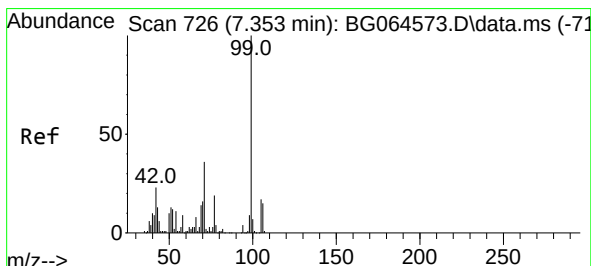
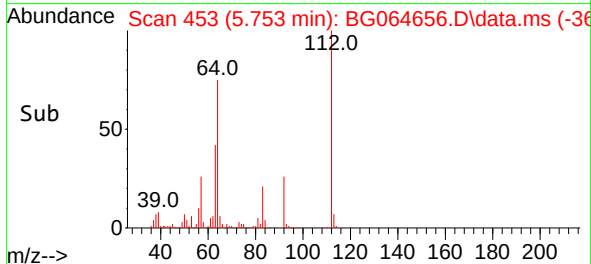
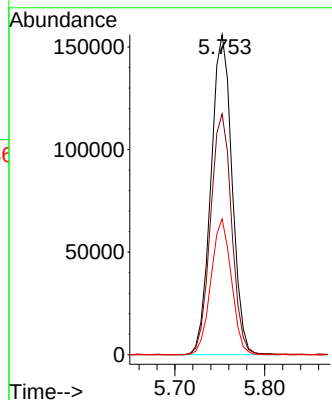
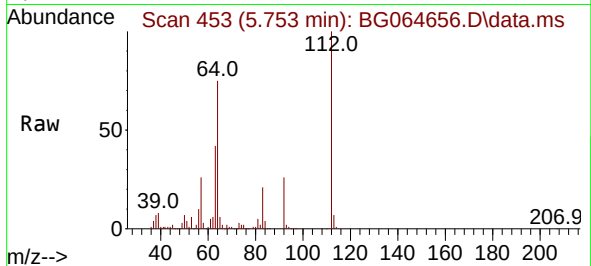




#5
2-Fluorophenol
Concen: 131.981 ng
RT: 5.753 min Scan# 453
Delta R.T. 0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

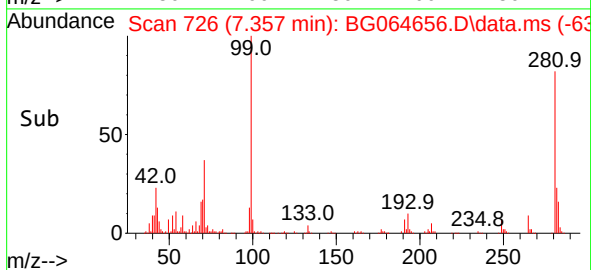
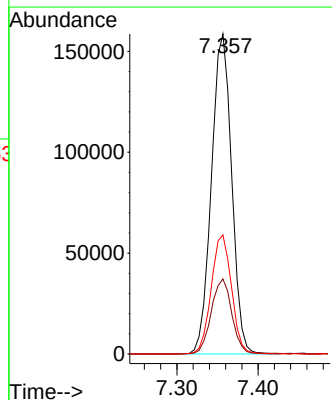
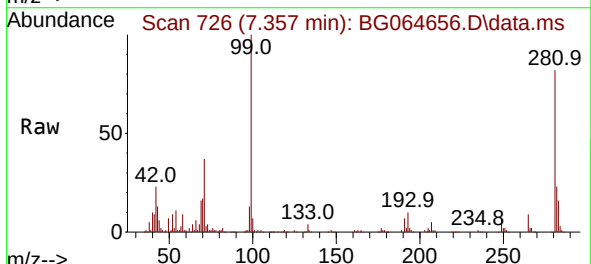
Instrument :
BNA_G
ClientSampleId :

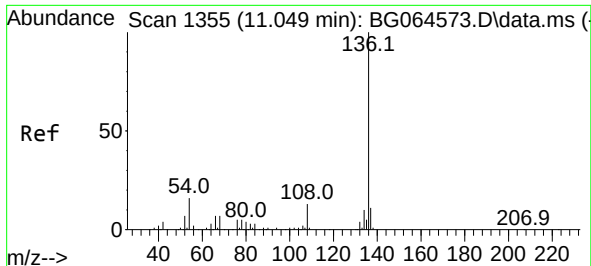
Tgt Ion:112 Resp: 253828
Ion Ratio Lower Upper
112 100
64 75.2 60.7 91.1
63 42.4 33.4 50.0



#7
Phenol-d6
Concen: 103.861 ng
RT: 7.357 min Scan# 726
Delta R.T. -0.000 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion: 99 Resp: 274095
Ion Ratio Lower Upper
99 100
42 23.4 18.3 27.5
71 37.2 28.6 43.0

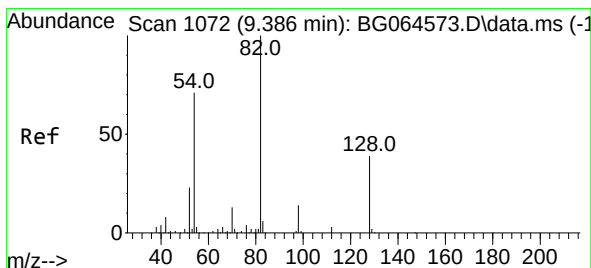
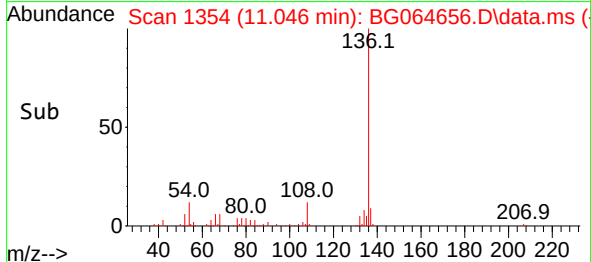
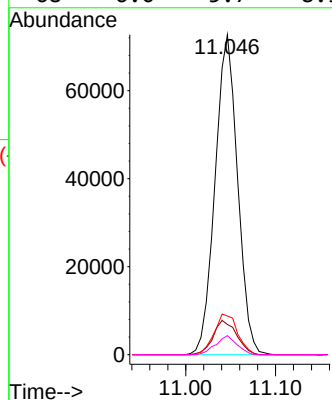
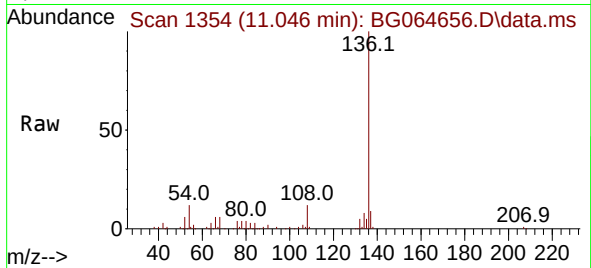




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

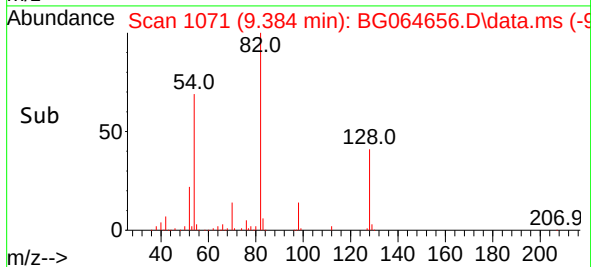
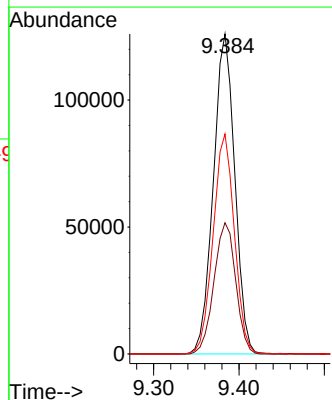
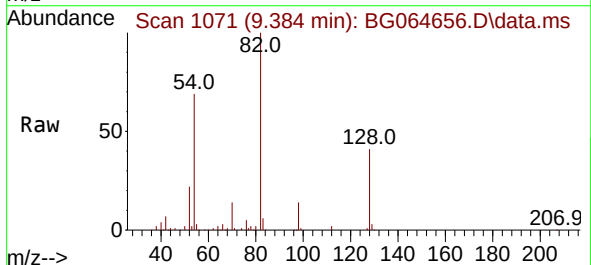
Instrument :
BNA_G
ClientSampleId :

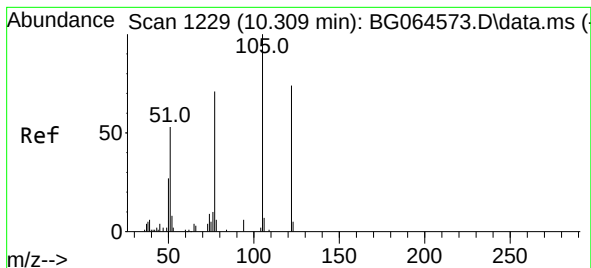
Tgt Ion:136 Resp: 126478
Ion Ratio Lower Upper
136 100
137 9.5 9.2 13.8
54 12.8 12.6 19.0
68 6.0 5.7 8.5



#23
Nitrobenzene-d5
Concen: 104.651 ng
RT: 9.384 min Scan# 1071
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

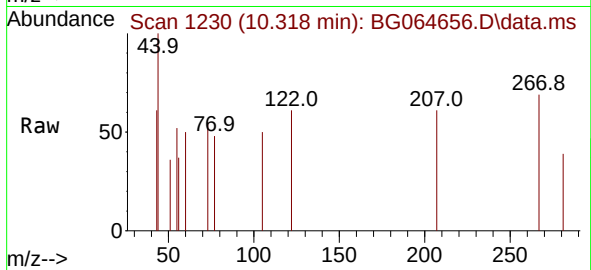
Tgt Ion: 82 Resp: 220371
Ion Ratio Lower Upper
82 100
128 41.0 31.3 46.9
54 68.8 56.6 84.8



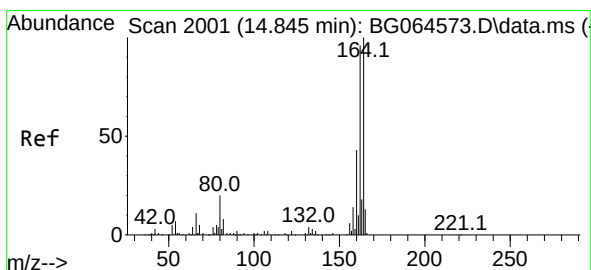
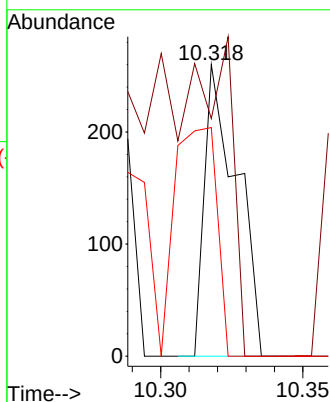
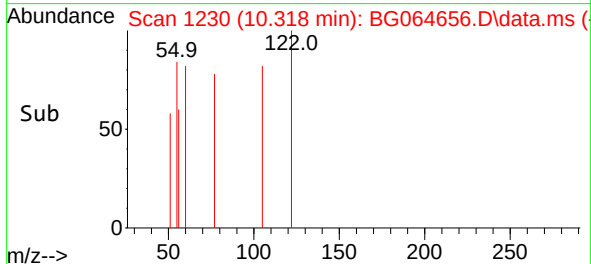


#32
Benzoic acid
Concen: 7.054 ng
RT: 10.318 min Scan# 11
Delta R.T. -0.024 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Instrument :
BNA_G
ClientSampleId :

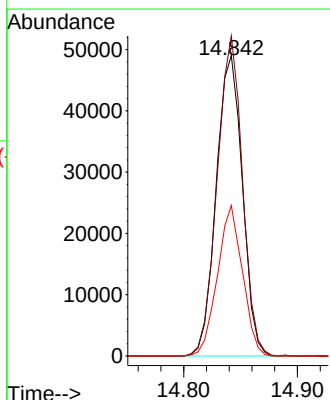
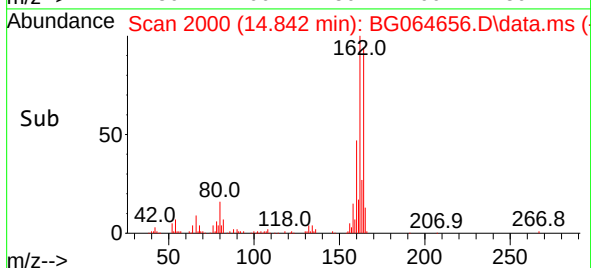
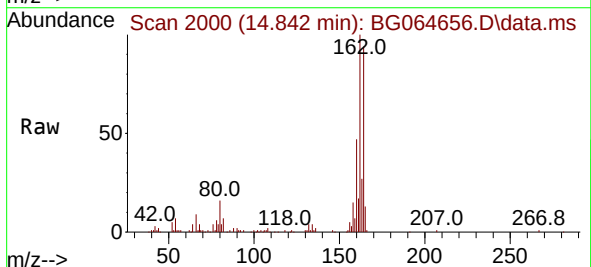


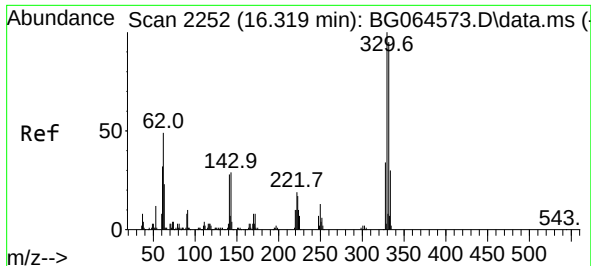
Tgt Ion:122 Resp: 206
Ion Ratio Lower Upper
122 100
105 81.5 104.2 144.2#
77 78.5 70.2 110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

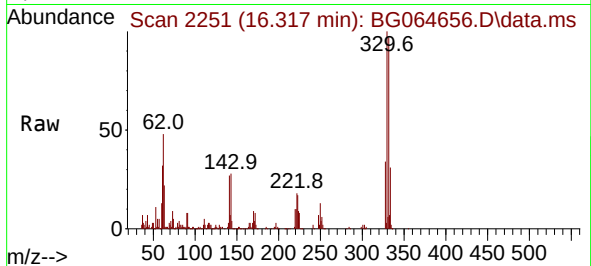
Tgt Ion:164 Resp: 78090
Ion Ratio Lower Upper
164 100
162 106.6 77.0 115.6
160 50.1 34.4 51.6



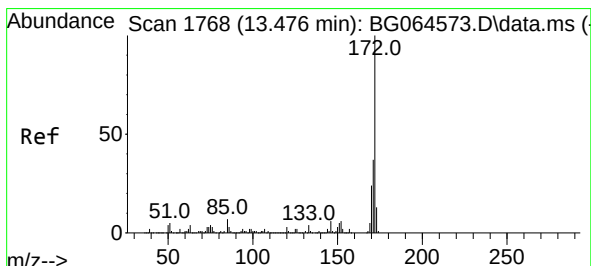
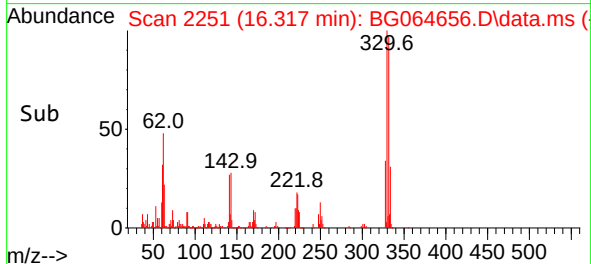
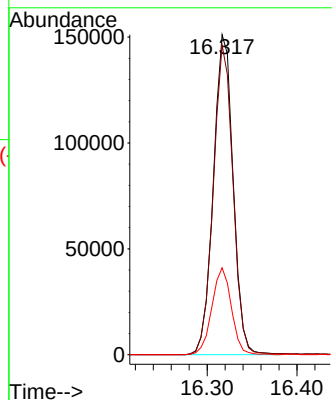


#42
2,4,6-Tribromophenol
Concen: 205.192 ng
RT: 16.317 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Instrument :
BNA_G
ClientSampleId :

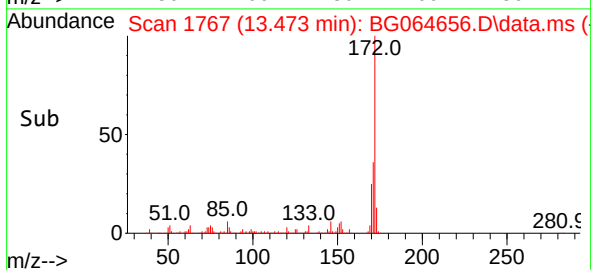
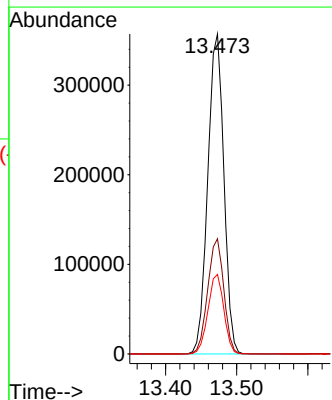
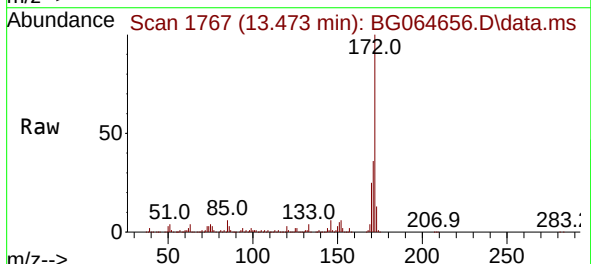


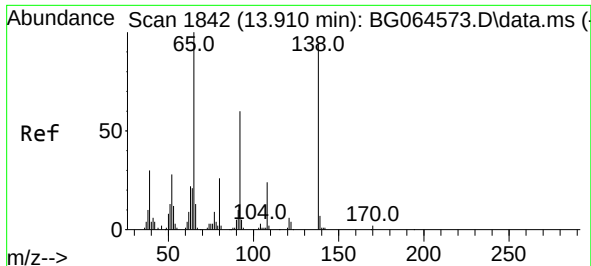
Tgt Ion:330 Resp: 231266
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 26.8 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 109.249 ng
RT: 13.473 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:172 Resp: 562842
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.9 19.1 28.7

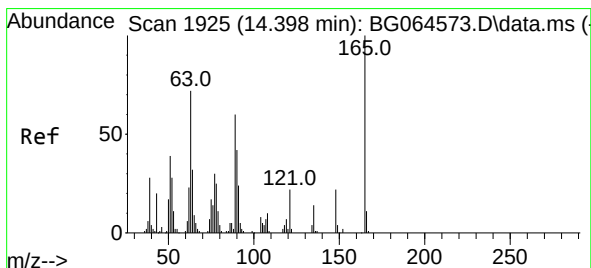
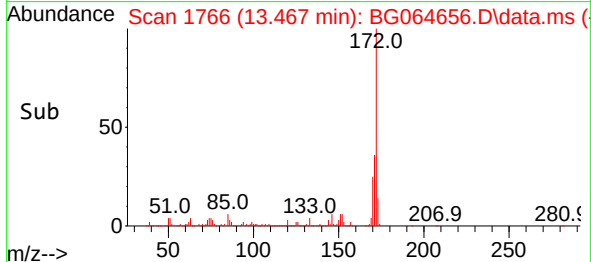
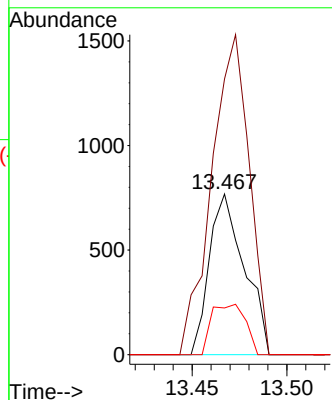
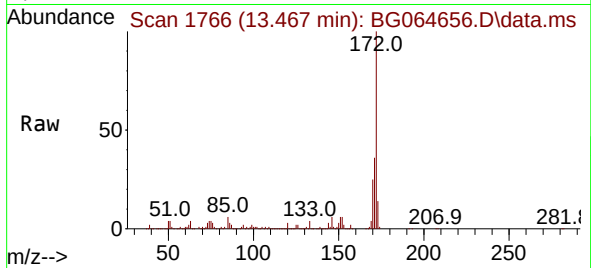




#48
2-Nitroaniline
Concen: 3.881 ng
RT: 13.467 min Scan# 1
Delta R.T. -0.447 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

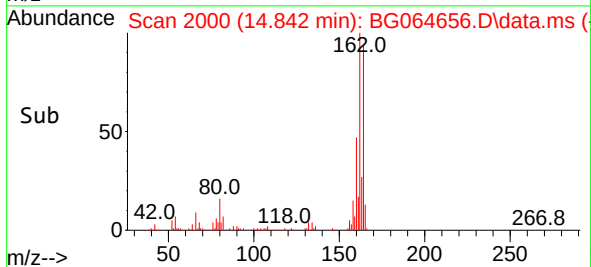
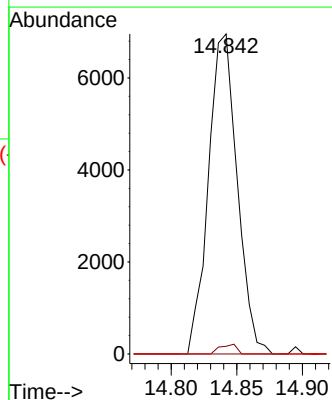
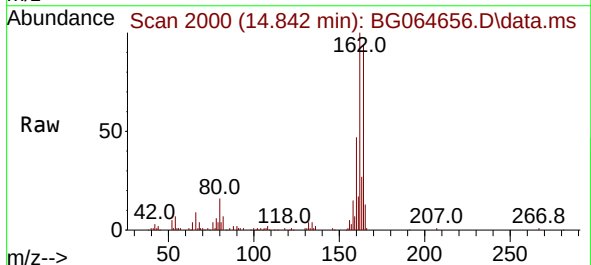
Instrument :
BNA_G
ClientSampleId :

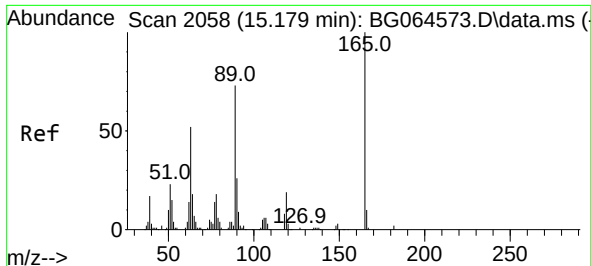
Tgt Ion: 65 Resp: 990
Ion Ratio Lower Upper
65 100
92 171.6 48.3 72.5#
138 29.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 13.263 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.440 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

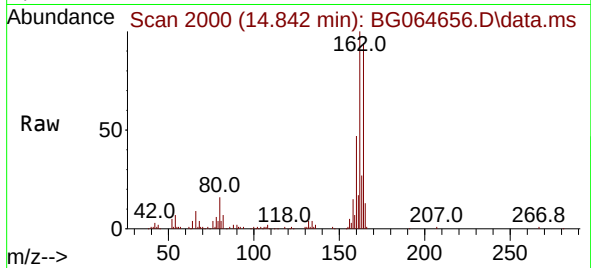
Tgt Ion:165 Resp: 10636
Ion Ratio Lower Upper
165 100
63 2.4 57.4 86.0#
89 0.0 47.8 71.8#



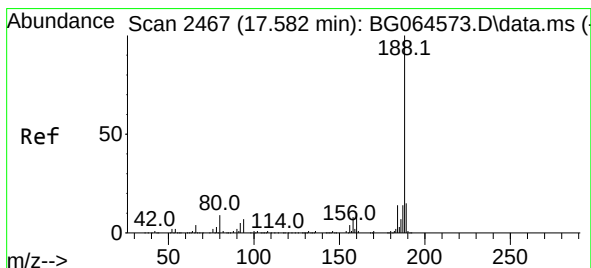
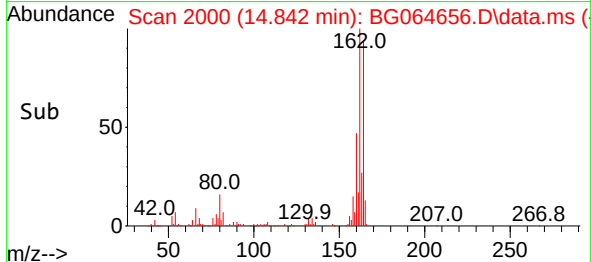
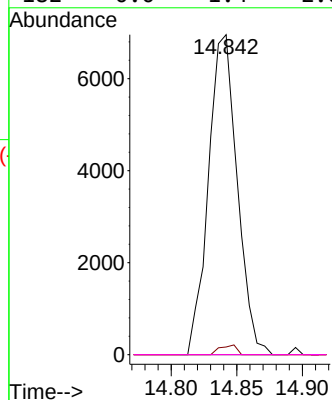


#57
 2,4-Dinitrotoluene
 Concen: 9.584 ng
 RT: 14.842 min Scan# 2058
 Delta R.T. -0.347 min
 Lab File: BG064656.D
 Acq: 31 Oct 2025 14:50

Instrument :
 BNA_G
 ClientSampleId :

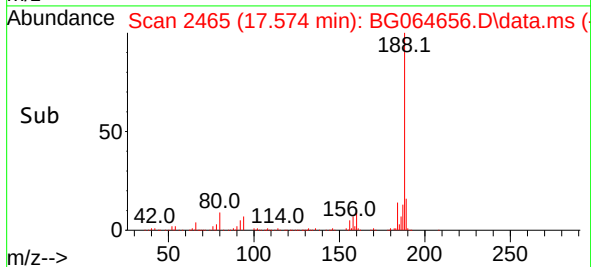
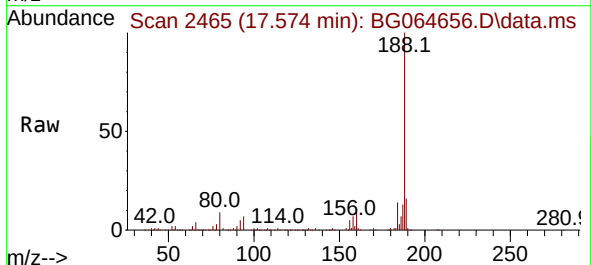
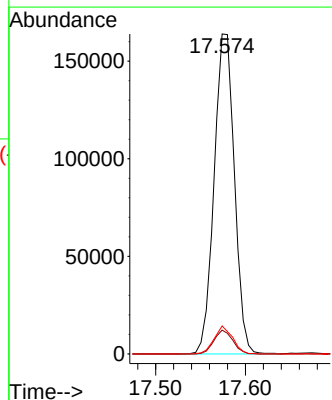


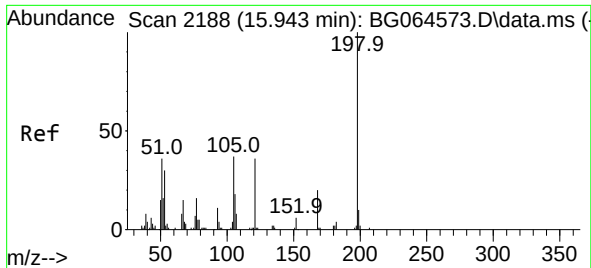
Tgt Ion:165 Resp: 10636
 Ion Ratio Lower Upper
 165 100
 63 2.4 41.8 62.8#
 89 0.0 58.1 87.1#
 182 0.0 1.4 2.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.574 min Scan# 2465
 Delta R.T. -0.006 min
 Lab File: BG064656.D
 Acq: 31 Oct 2025 14:50

Tgt Ion:188 Resp: 257453
 Ion Ratio Lower Upper
 188 100
 94 7.5 5.7 8.5
 80 8.7 6.8 10.2

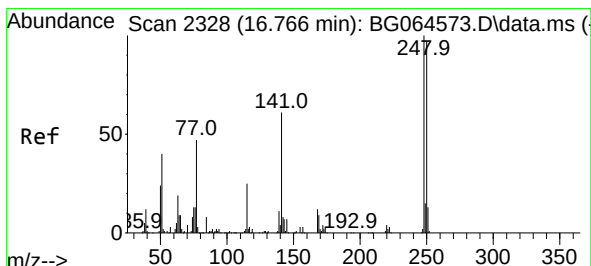
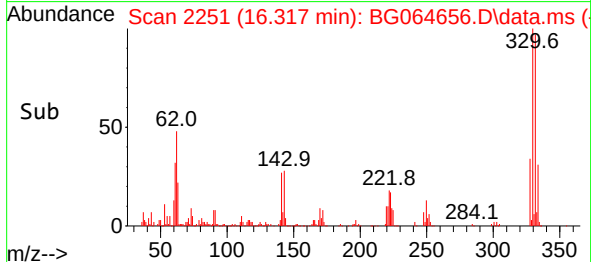
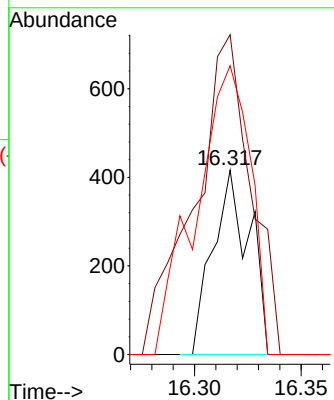
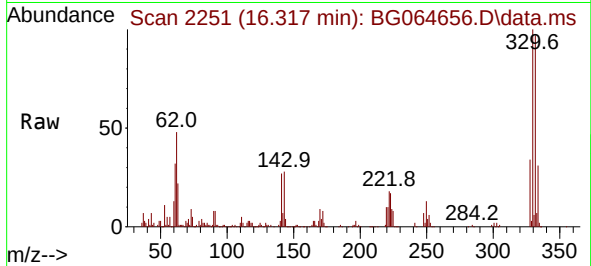




#65
4,6-Dinitro-2-methylphenol
Concen: 5.816 ng
RT: 16.317 min Scan# 2188
Delta R.T. 0.370 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

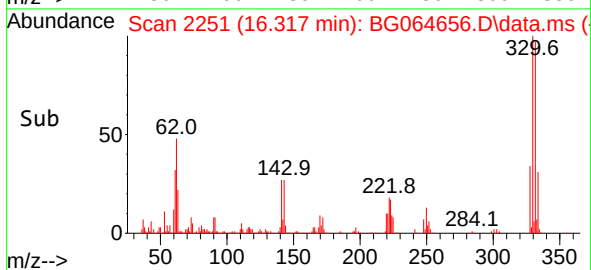
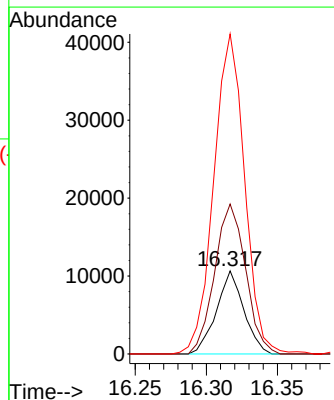
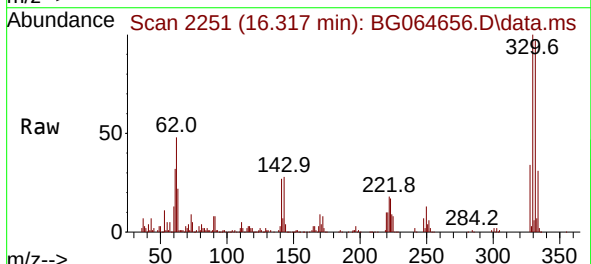
Instrument :
BNA_G
ClientSampleId :

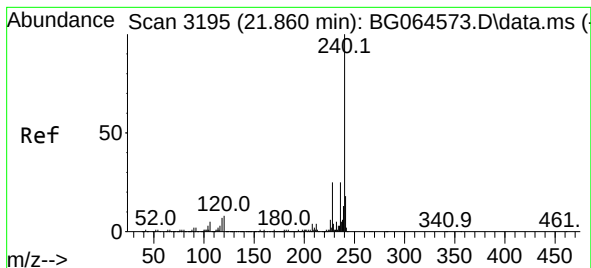
Tgt Ion:198 Resp: 498
Ion Ratio Lower Upper
198 100
51 173.6 24.7 64.7#
105 156.7 18.0 58.0#



#67
4-Bromophenyl-phenylether
Concen: 4.685 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.453 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:248 Resp: 14294
Ion Ratio Lower Upper
248 100
250 178.1 77.7 116.5#
141 290.5 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.851 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064656.D

Acq: 31 Oct 2025 14:50

Instrument :

BNA_G

ClientSampleId :

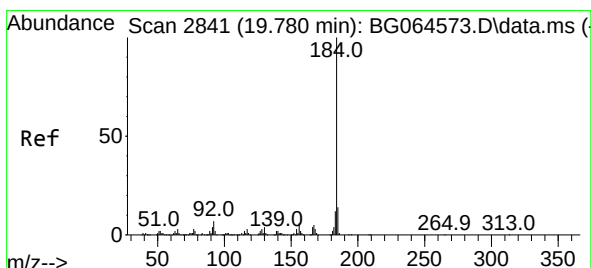
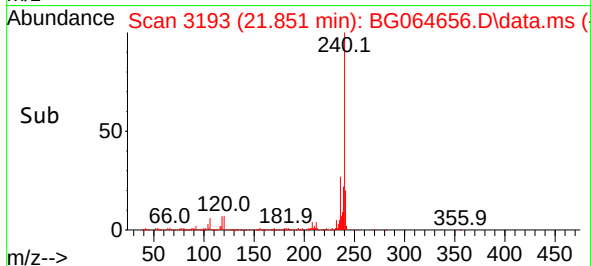
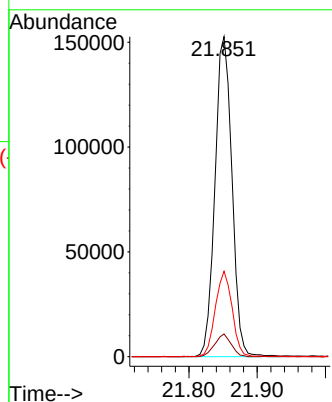
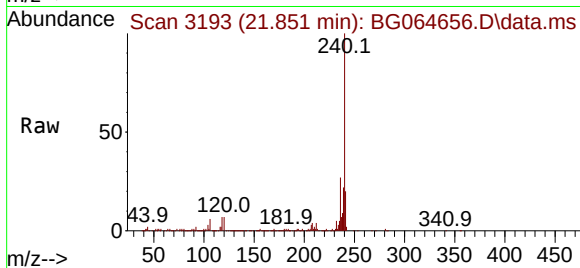
Tgt Ion:240 Resp: 264435

Ion Ratio Lower Upper

240 100

120 7.1 6.5 9.7

236 26.7 20.2 30.2



#77

Benzidine

Concen: 3.504 ng

RT: 20.165 min Scan# 2906

Delta R.T. 0.382 min

Lab File: BG064656.D

Acq: 31 Oct 2025 14:50

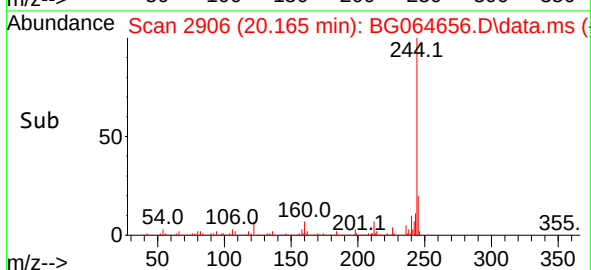
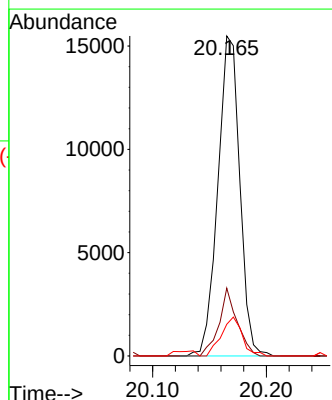
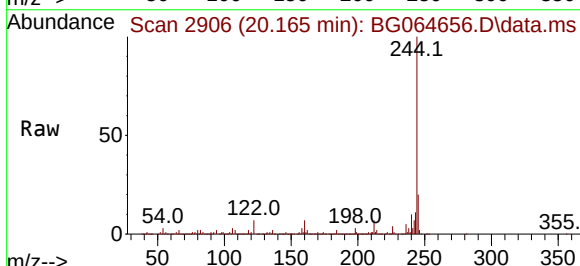
Tgt Ion:184 Resp: 20760

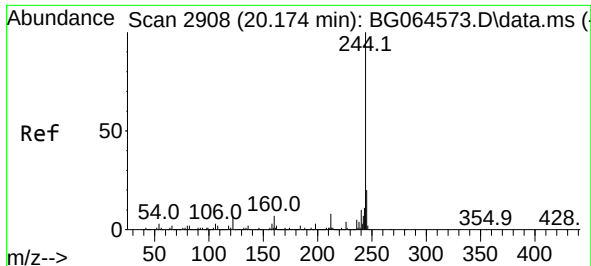
Ion Ratio Lower Upper

184 100

185 21.2 11.4 17.2#

183 9.9 9.4 14.2

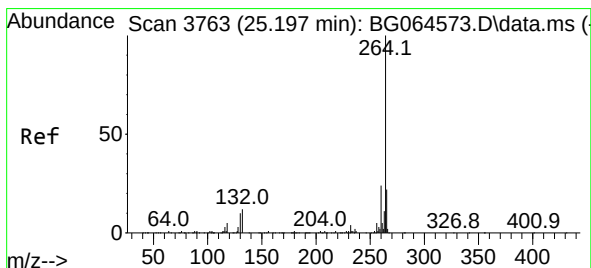
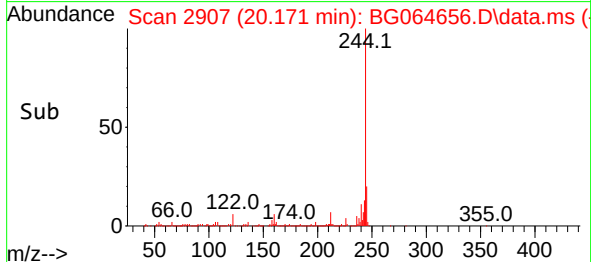
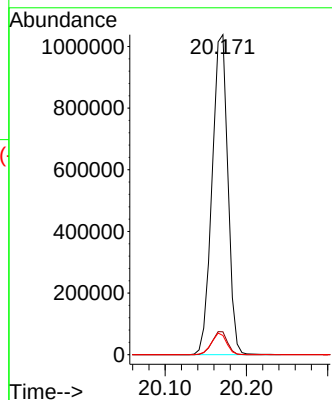
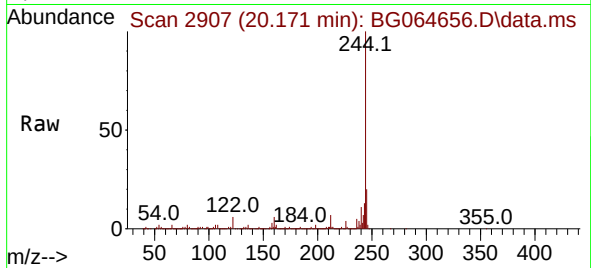




#79
 Terphenyl-d14
 Concen: 99.733 ng
 RT: 20.171 min Scan# 2907
 Delta R.T. -0.006 min
 Lab File: BG064656.D
 Acq: 31 Oct 2025 14:50

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:244 Resp: 1397484
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.0 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: BG064656.D
 Acq: 31 Oct 2025 14:50

Tgt Ion:264 Resp: 83058
 Ion Ratio Lower Upper
 264 100
 260 30.3 19.0 28.4#
 265 21.2 17.6 26.4

