

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064648.D
 Acq On : 30 Oct 2025 19:51
 Operator : RC/JU
 Sample : Q3480-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT3449

Quant Time: Oct 31 01:49:09 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)

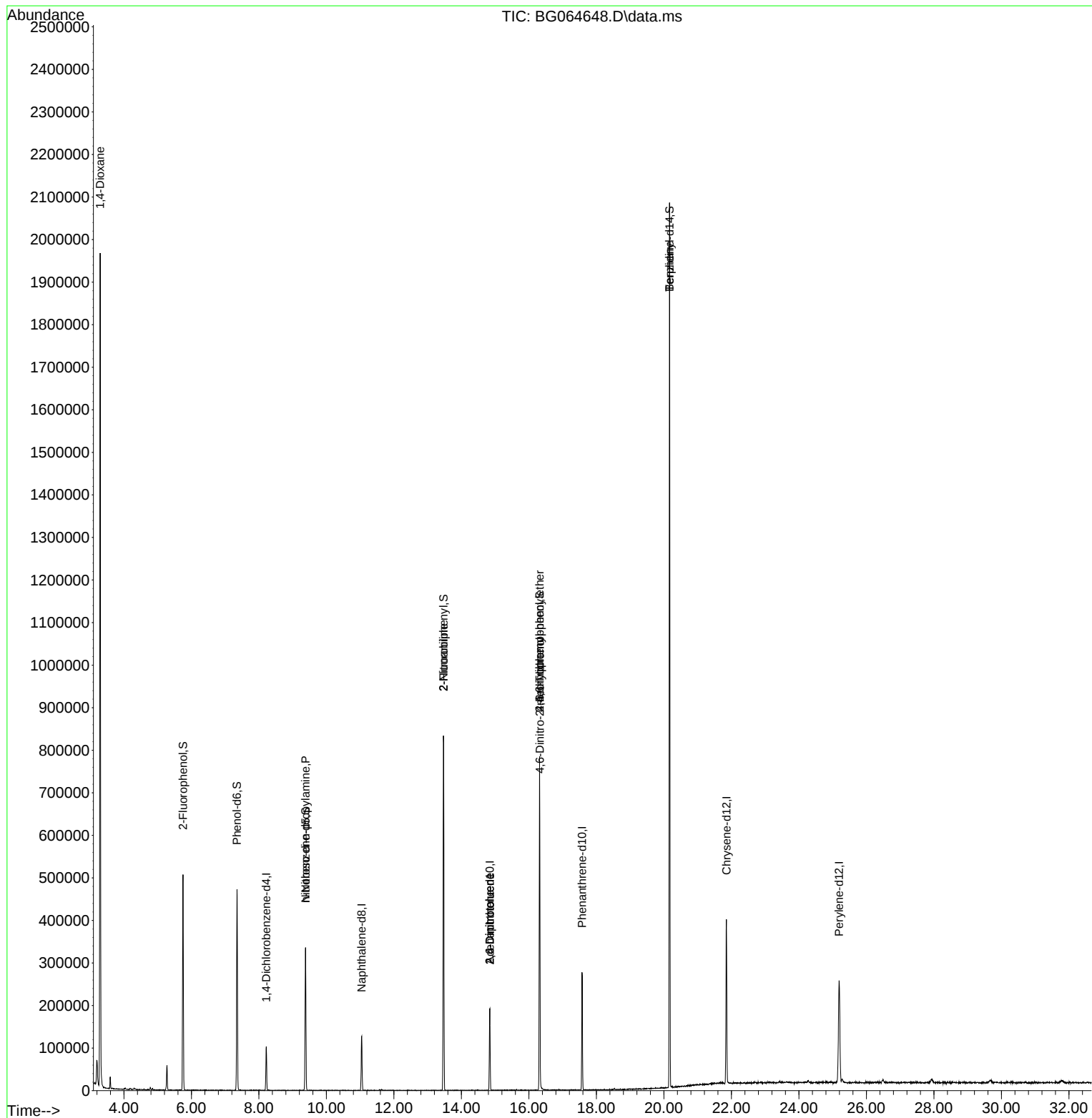
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	28865	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	102446	20.000	ng	# 0.00
39) Acenaphthene-d10	14.841	164	73563	20.000	ng	0.00
64) Phenanthrene-d10	17.573	188	182662	20.000	ng	# 0.00
76) Chrysene-d12	21.850	240	257657	20.000	ng	#-0.01
86) Perylene-d12	25.187	264	293878	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.751	112	193459	112.496	ng	0.00
7) Phenol-d6	7.349	99	246823	104.596	ng	0.00
23) Nitrobenzene-d5	9.382	82	184547	108.197	ng	0.00
42) 2,4,6-Tribromophenol	16.315	330	166614	156.926	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	448386	92.389	ng	-0.01
79) Terphenyl-d14	20.164	244	1080594	79.146	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.295	88	14494	19.037	ng	# 1
19) n-Nitroso-di-n-propyla...	9.382	70	25090	15.385	ng	# 71
48) 2-Nitroaniline	13.466	65	803	3.790	ng	# 7
51) 2,6-Dinitrotoluene	14.841	165	9464	12.705	ng	# 19
57) 2,4-Dinitrotoluene	14.841	165	9464	9.222	ng	# 22
65) 4,6-Dinitro-2-methylph...	16.321	198	404	5.872	ng	# 70
67) 4-Bromophenyl-phenylether	16.315	248	10471	4.837	ng	# 1
77) Benzidine	20.164	184	15797	2.737	ng	# 91

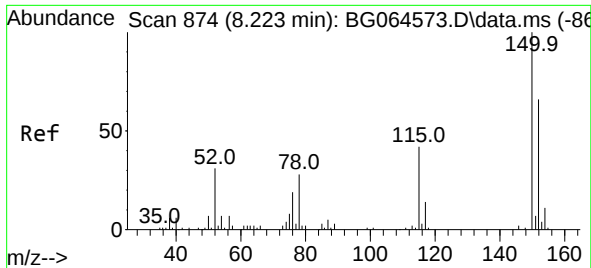
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064648.D
Acq On : 30 Oct 2025 19:51
Operator : RC/JU
Sample : Q3480-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT3449

Quant Time: Oct 31 01:49:09 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

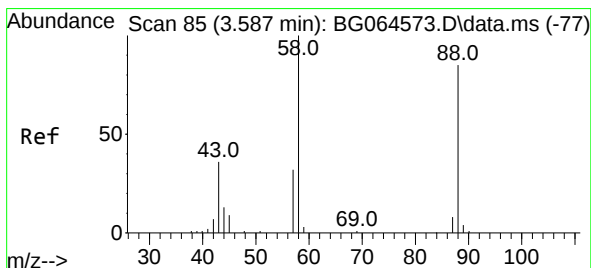
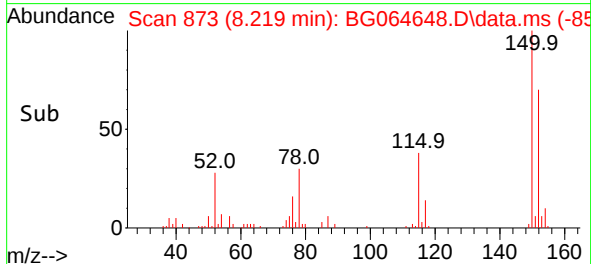
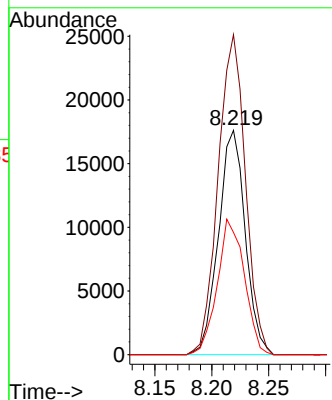
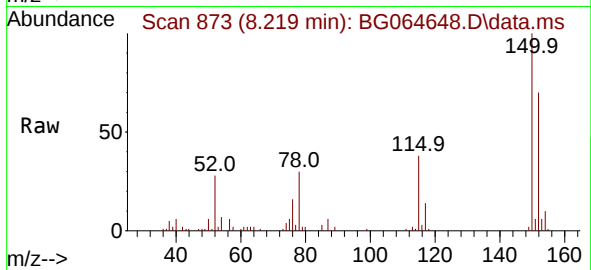




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

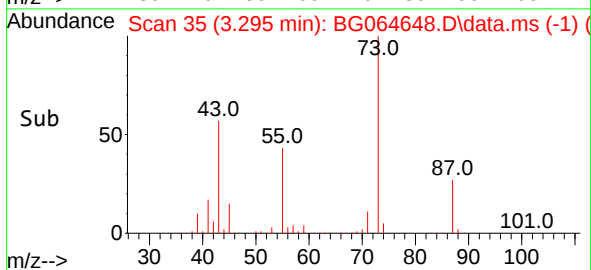
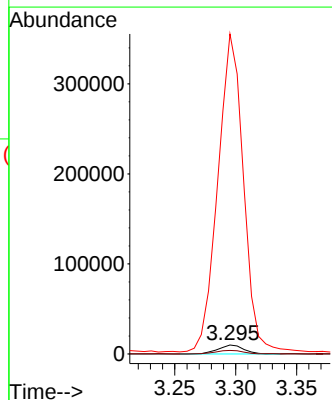
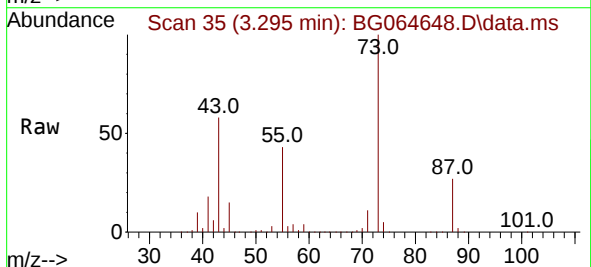
Instrument :
BNA_G
ClientSampleId :
RT3449

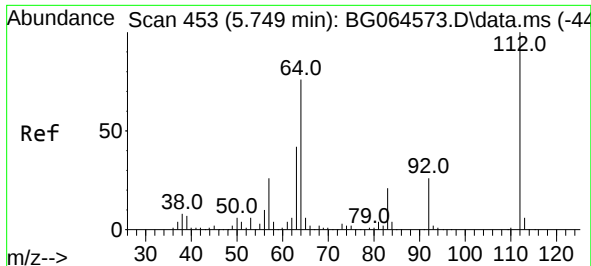
Tgt Ion:152 Resp: 28865
Ion Ratio Lower Upper
152 100
150 142.6 122.2 183.4
115 54.5 50.8 76.2



#2
1,4-Dioxane
Concen: 19.037 ng
RT: 3.295 min Scan# 35
Delta R.T. -0.295 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

Tgt Ion: 88 Resp: 14494
Ion Ratio Lower Upper
88 100
58 46.4 92.4 138.6#
43 3588.4 33.0 49.6#

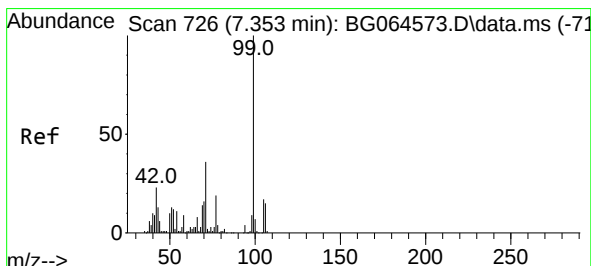
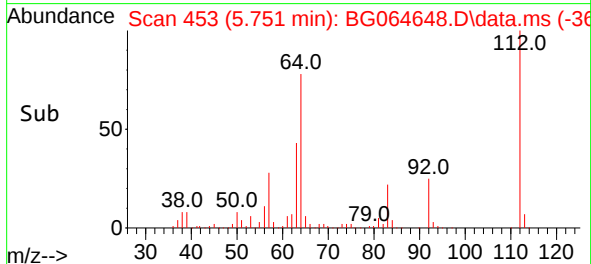
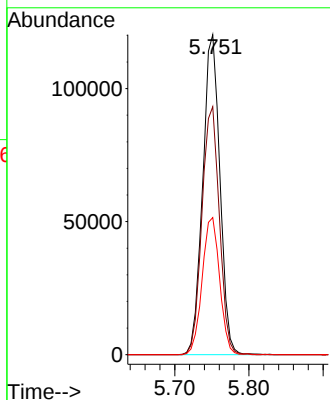
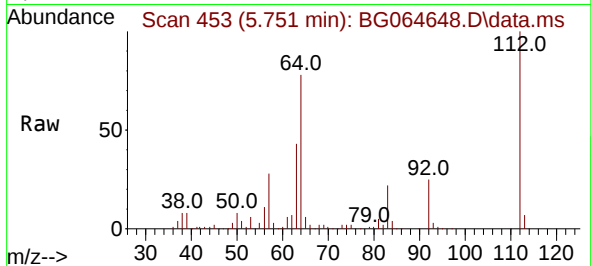




#5
2-Fluorophenol
Concen: 112.496 ng
RT: 5.751 min Scan# 41
Delta R.T. 0.004 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

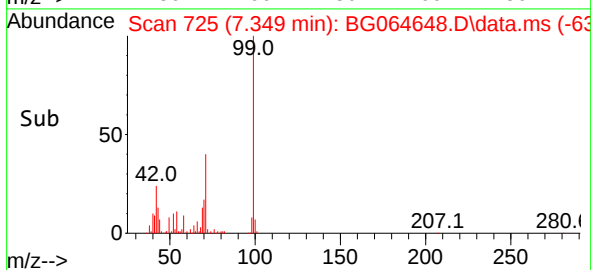
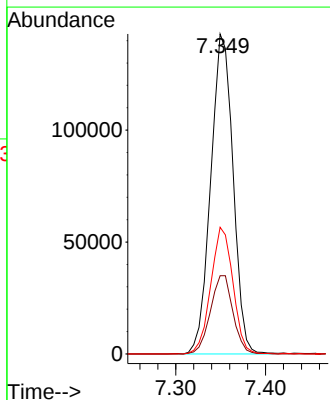
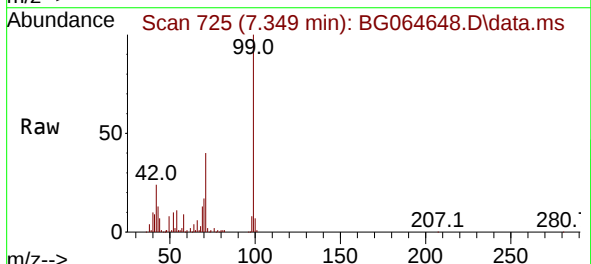
Instrument :
BNA_G
ClientSampleId :
RT3449

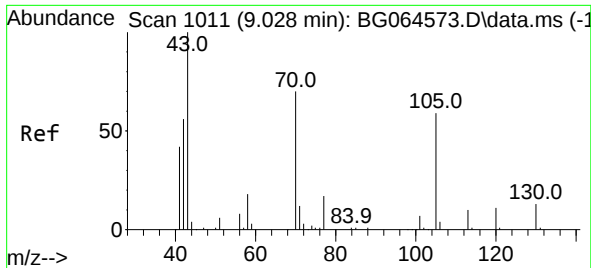
Tgt Ion:112 Resp: 193459
Ion Ratio Lower Upper
112 100
64 77.5 60.7 91.1
63 42.9 33.4 50.0



#7
Phenol-d6
Concen: 104.596 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.007 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

Tgt Ion: 99 Resp: 246823
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 39.6 28.6 43.0

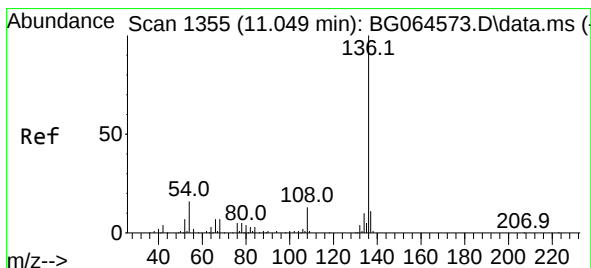
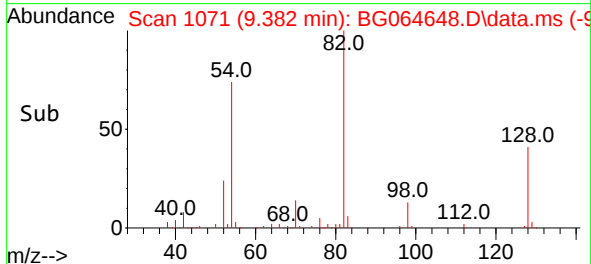
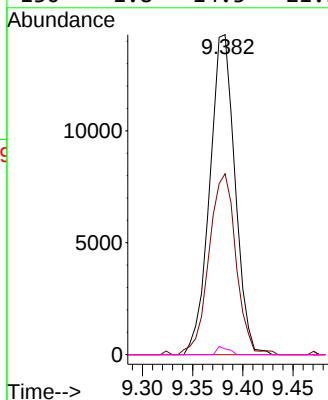
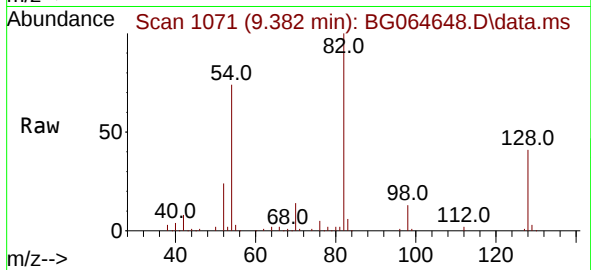




#19
n-Nitroso-di-n-propylamine
Concen: 15.385 ng
RT: 9.382 min Scan# 1011
Delta R.T. 0.351 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

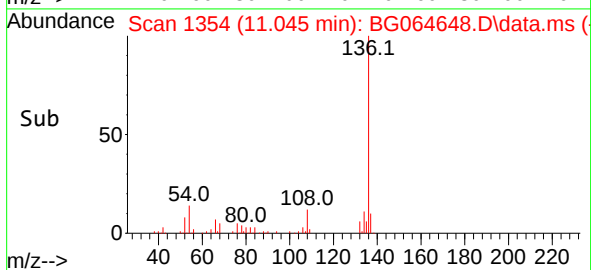
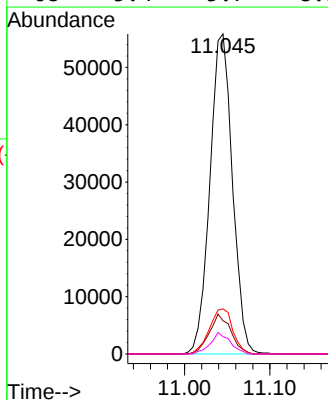
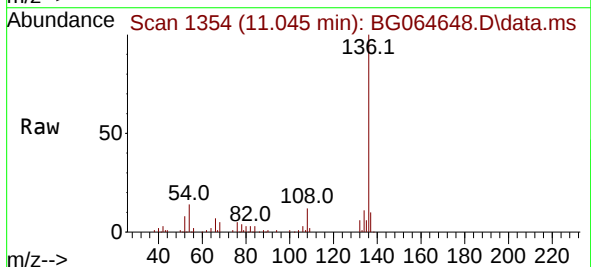
Instrument :
BNA_G
ClientSampleId :
RT3449

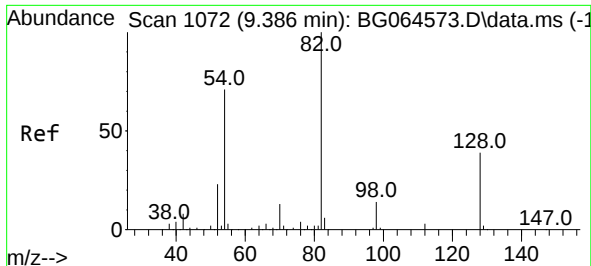
Tgt Ion:	70	Resp:	25090
Ion	Ratio	Lower	Upper
70	100		
42	56.5	65.2	97.8#
101	0.0	7.9	11.9#
130	1.8	14.3	21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1354
Delta R.T. -0.007 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

Tgt Ion:	136	Resp:	102446
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	14.1	12.6	19.0
68	5.4	5.7	8.5#





#23

Nitrobenzene-d5

Concen: 108.197 ng

RT: 9.382 min Scan# 1072

Delta R.T. -0.008 min

Lab File: BG064648.D

Acq: 30 Oct 2025 19:51

Instrument :

BNA_G

ClientSampleId :

RT3449

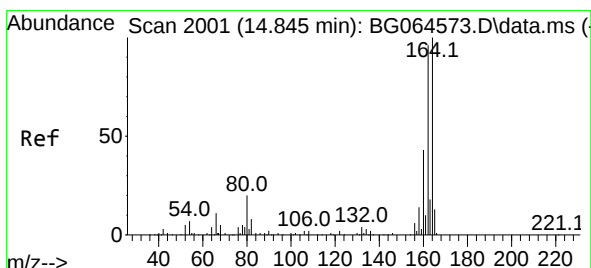
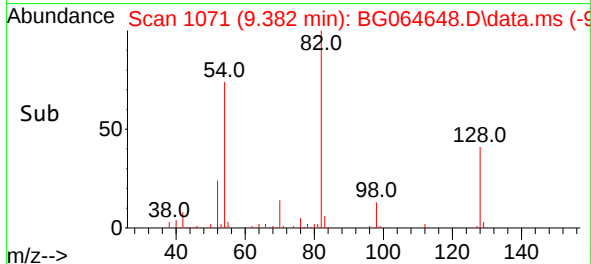
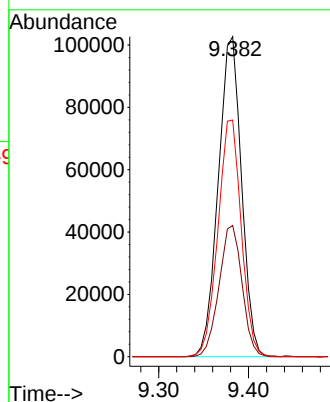
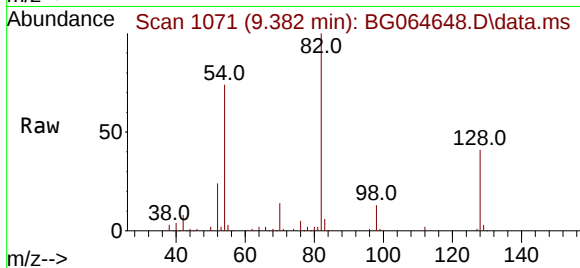
Tgt Ion: 82 Resp: 184547

Ion Ratio Lower Upper

82 100

128 41.0 31.3 46.9

54 74.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.841 min Scan# 2000

Delta R.T. -0.002 min

Lab File: BG064648.D

Acq: 30 Oct 2025 19:51

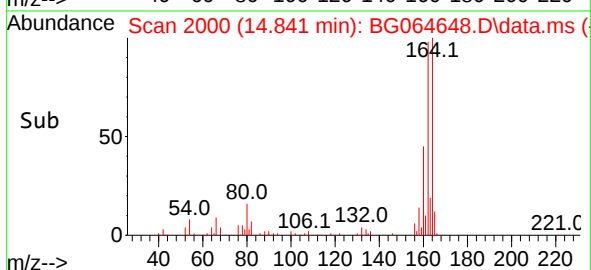
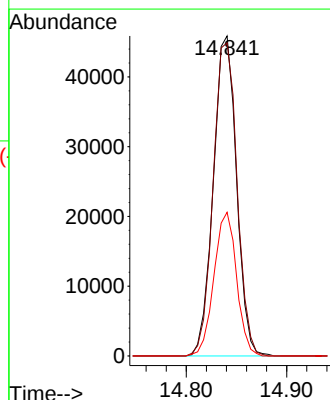
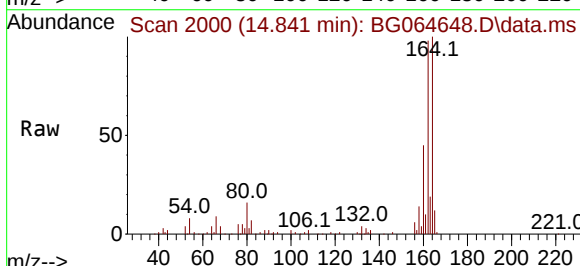
Tgt Ion:164 Resp: 73563

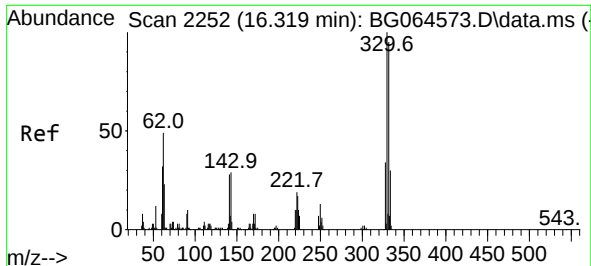
Ion Ratio Lower Upper

164 100

162 97.8 77.0 115.6

160 44.9 34.4 51.6

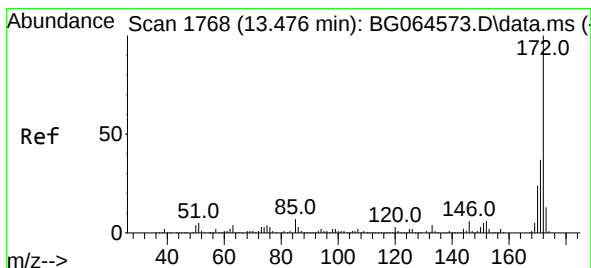
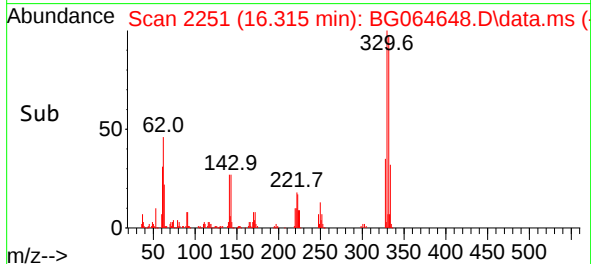
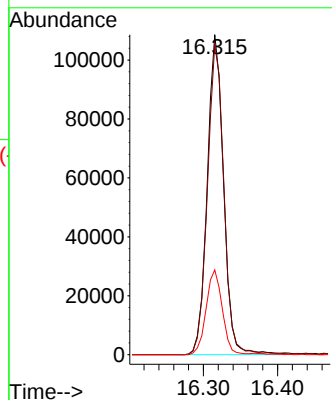
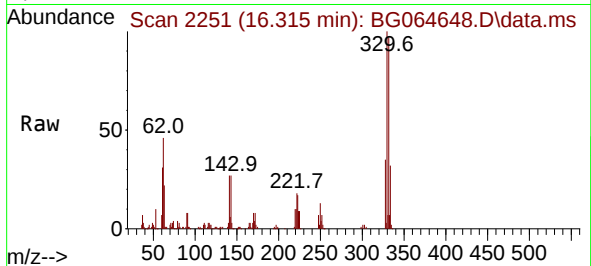




#42
2,4,6-Tribromophenol
Concen: 156.926 ng
RT: 16.315 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

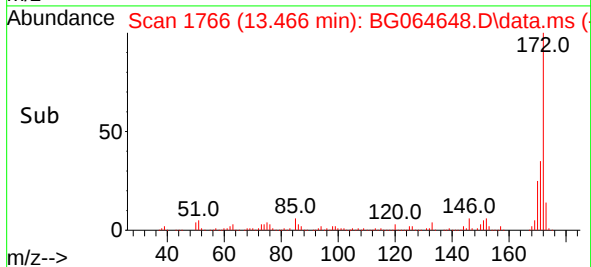
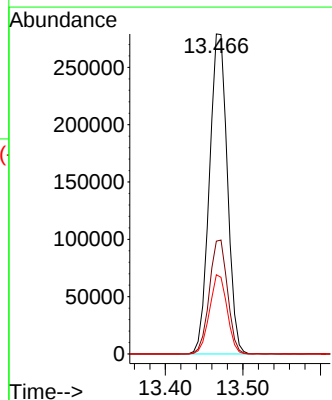
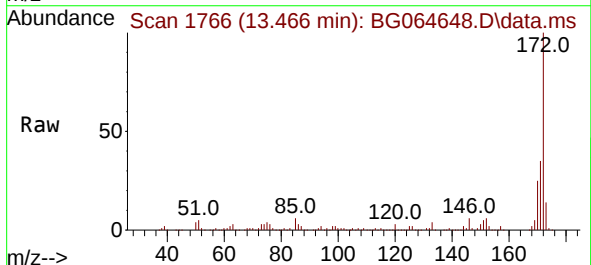
Instrument :
BNA_G
ClientSampleId :
RT3449

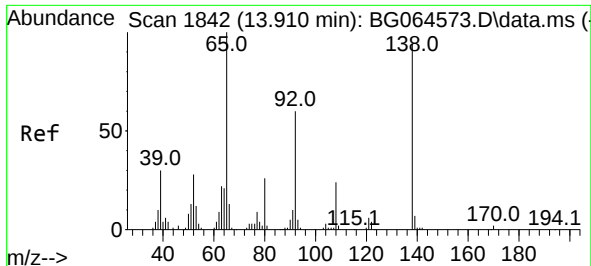
Tgt Ion:330 Resp: 166614
Ion Ratio Lower Upper
330 100
332 97.7 78.0 117.0
141 26.1 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 92.389 ng
RT: 13.466 min Scan# 1766
Delta R.T. -0.013 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

Tgt Ion:172 Resp: 448386
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 24.7 19.1 28.7

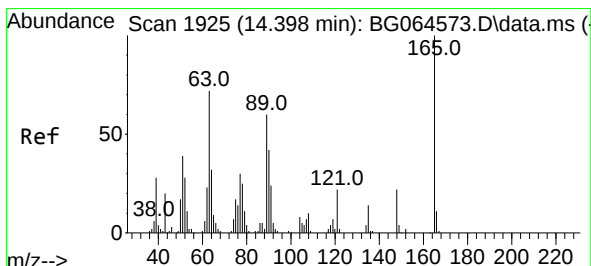
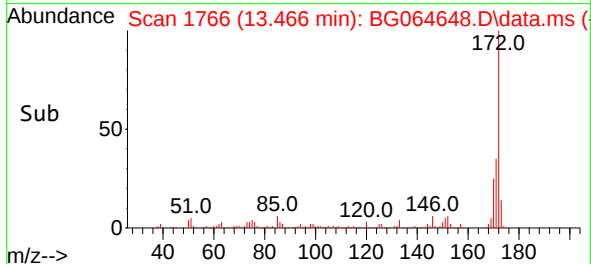
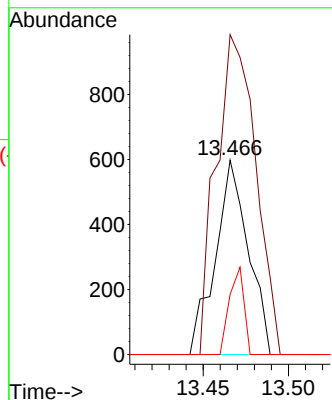
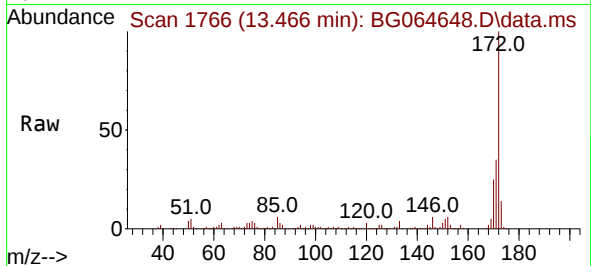




#48
2-Nitroaniline
Concen: 3.790 ng
RT: 13.466 min Scan# 1
Delta R.T. -0.448 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

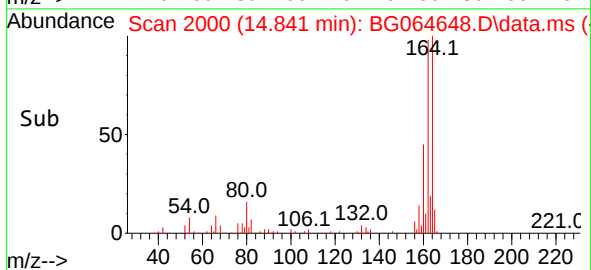
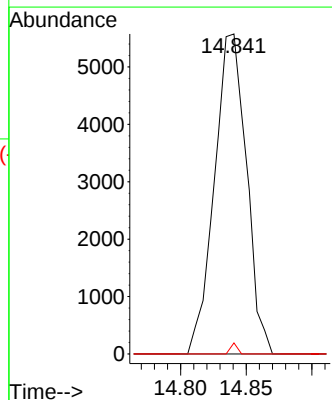
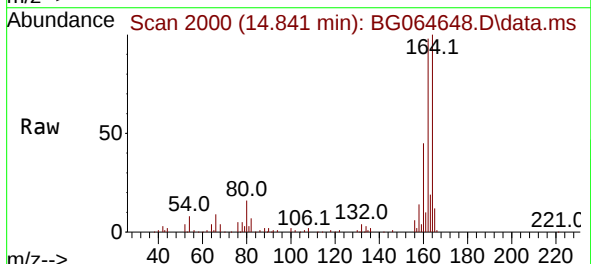
Instrument :
BNA_G
ClientSampleId :
RT3449

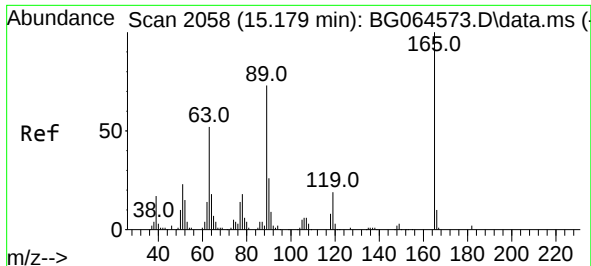
Tgt Ion: 65 Resp: 803
Ion Ratio Lower Upper
65 100
92 164.5 48.3 72.5#
138 30.9 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.705 ng
RT: 14.841 min Scan# 2000
Delta R.T. 0.439 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

Tgt Ion:165 Resp: 9464
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 3.5 47.8 71.8#

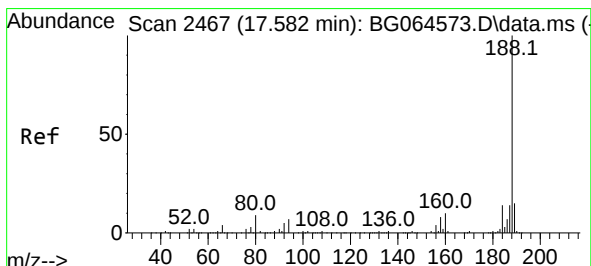
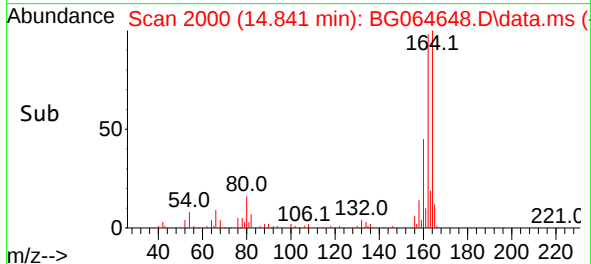
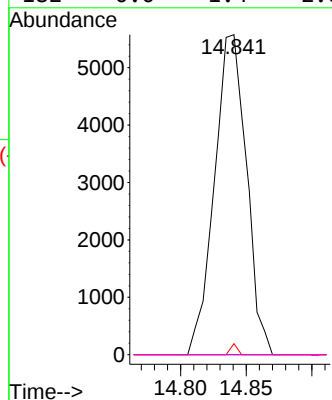
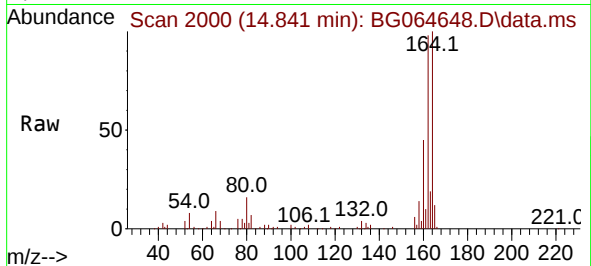




#57
2,4-Dinitrotoluene
Concen: 9.222 ng
RT: 14.841 min Scan# 2058
Delta R.T. -0.348 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

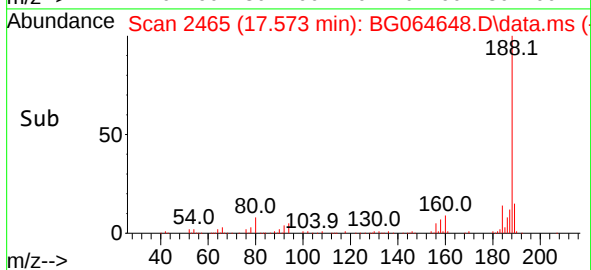
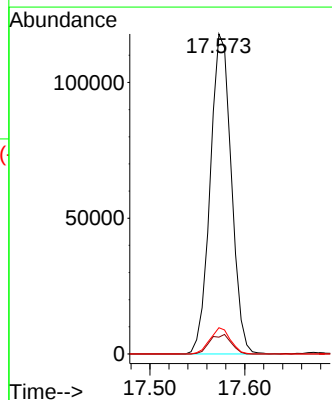
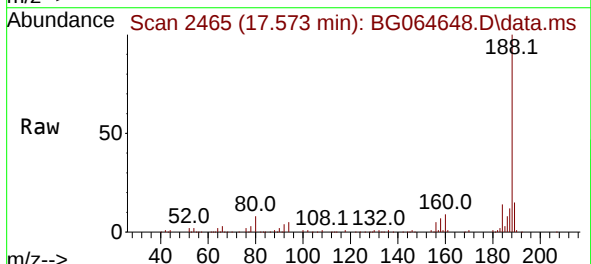
Instrument :
BNA_G
ClientSampleId :
RT3449

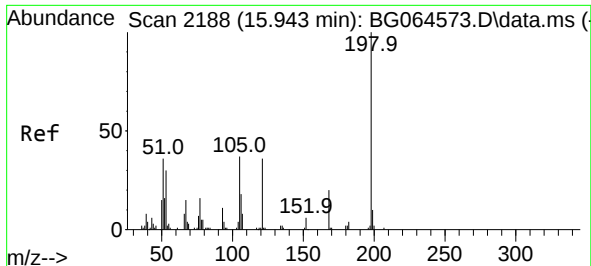
Tgt Ion:165 Resp: 9464
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 3.5 58.1 87.1#
182 0.0 1.4 2.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.573 min Scan# 2465
Delta R.T. -0.007 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

Tgt Ion:188 Resp: 182662
Ion Ratio Lower Upper
188 100
94 5.3 5.7 8.5#
80 8.2 6.8 10.2

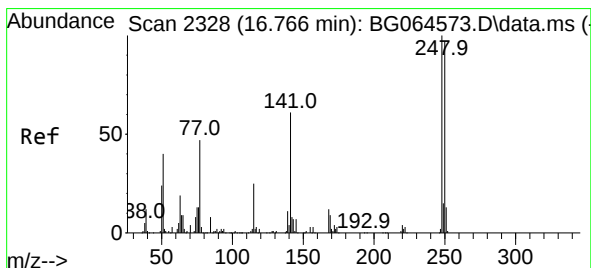
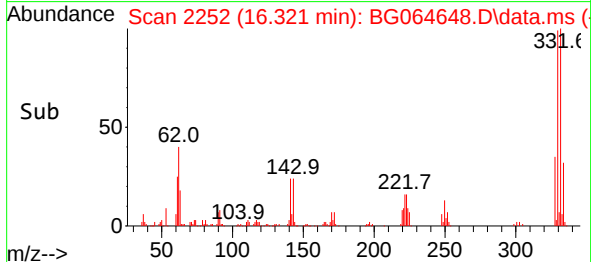
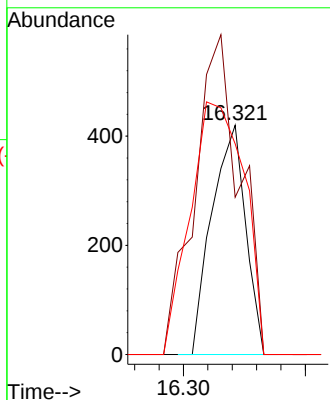
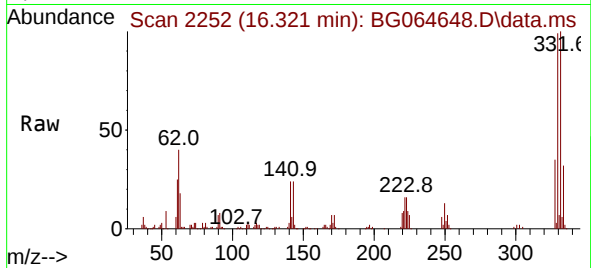




#65
4,6-Dinitro-2-methylphenol
Concen: 5.872 ng
RT: 16.321 min Scan# 2188
Delta R.T. 0.374 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

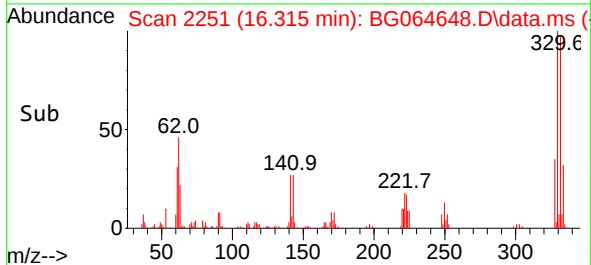
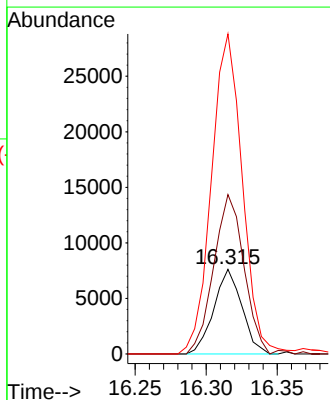
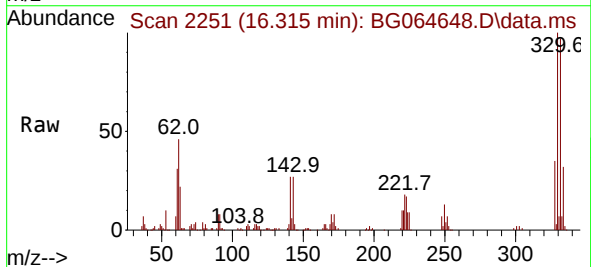
Instrument :
BNA_G
ClientSampleId :
RT3449

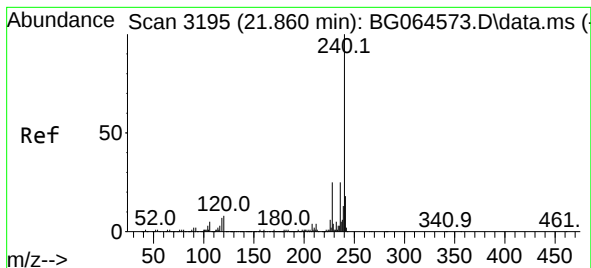
Tgt Ion:198 Resp: 404
Ion Ratio Lower Upper
198 100
51 19.4 24.7 64.7#
105 26.0 18.0 58.0



#67
4-Bromophenyl-phenylether
Concen: 4.837 ng
RT: 16.315 min Scan# 2251
Delta R.T. -0.454 min
Lab File: BG064648.D
Acq: 30 Oct 2025 19:51

Tgt Ion:248 Resp: 10471
Ion Ratio Lower Upper
248 100
250 195.5 77.7 116.5#
141 296.7 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.850 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG064648.D

Acq: 30 Oct 2025 19:51

Instrument :

BNA_G

ClientSampleId :

RT3449

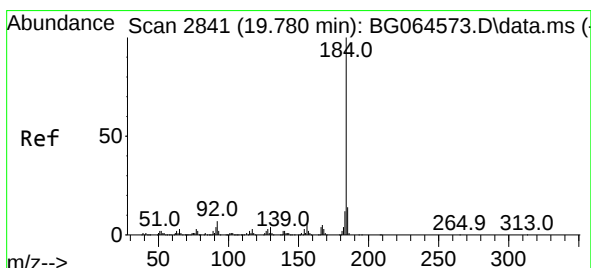
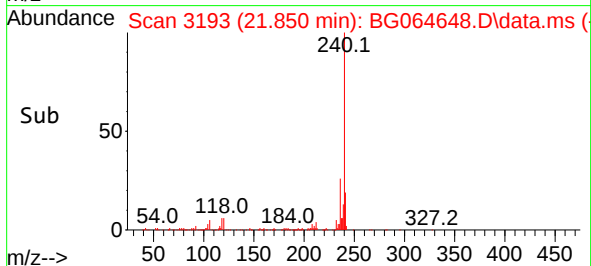
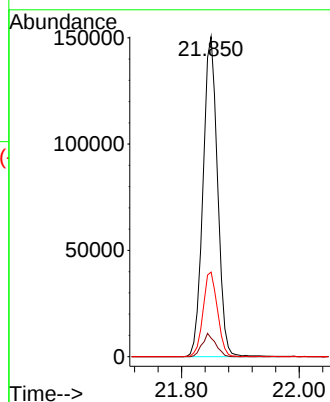
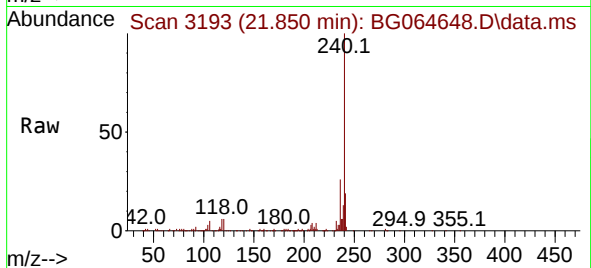
Tgt Ion:240 Resp: 257657

Ion Ratio Lower Upper

240 100

120 5.8 6.5 9.7#

236 26.5 20.2 30.2



#77

Benzidine

Concen: 2.737 ng

RT: 20.164 min Scan# 2906

Delta R.T. 0.380 min

Lab File: BG064648.D

Acq: 30 Oct 2025 19:51

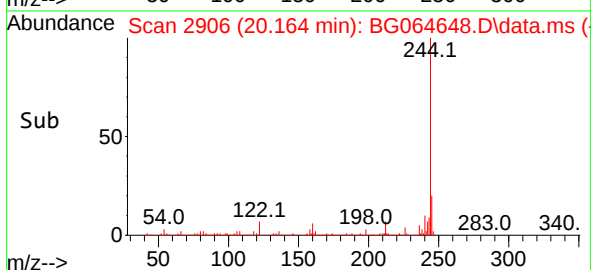
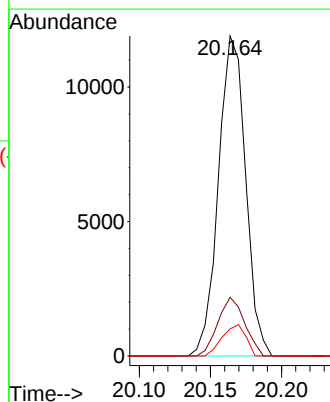
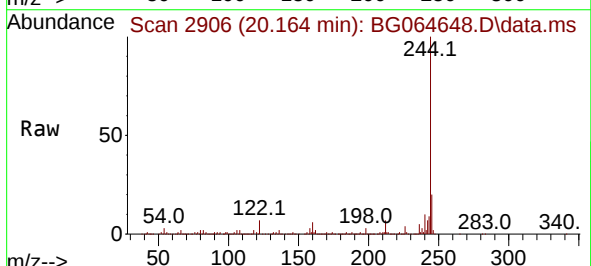
Tgt Ion:184 Resp: 15797

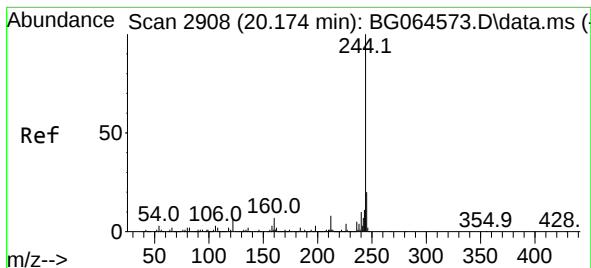
Ion Ratio Lower Upper

184 100

185 18.4 11.4 17.2#

183 8.4 9.4 14.2#





#79

Terphenyl-d14

Concen: 79.146 ng

RT: 20.164 min Scan# 2906

Delta R.T. -0.013 min

Lab File: BG064648.D

Acq: 30 Oct 2025 19:51

Instrument :

BNA_G

ClientSampleId :

RT3449

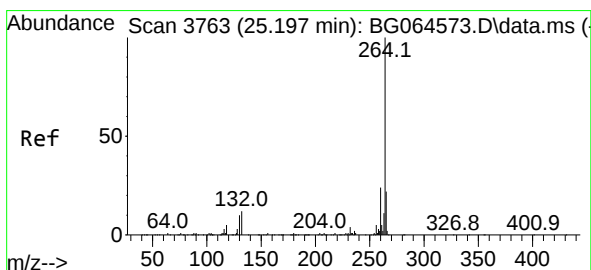
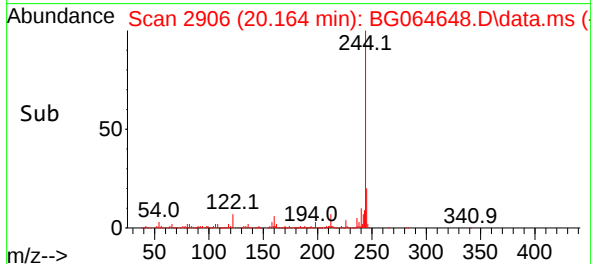
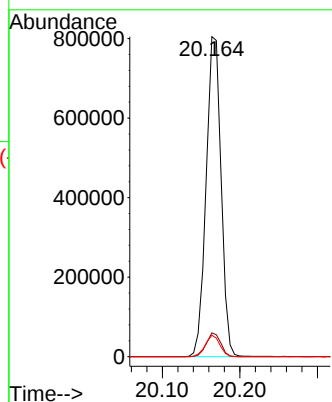
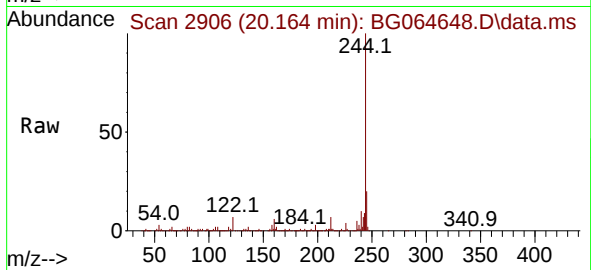
Tgt Ion:244 Resp: 1080594

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.7 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.187 min Scan# 3761

Delta R.T. -0.013 min

Lab File: BG064648.D

Acq: 30 Oct 2025 19:51

Tgt Ion:264 Resp: 293878

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 21.3 17.6 26.4

