

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
 Data File : BG064708.D
 Acq On : 6 Nov 2025 18:30
 Operator : RC/JU
 Sample : Q3532-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Nov 07 00:32:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

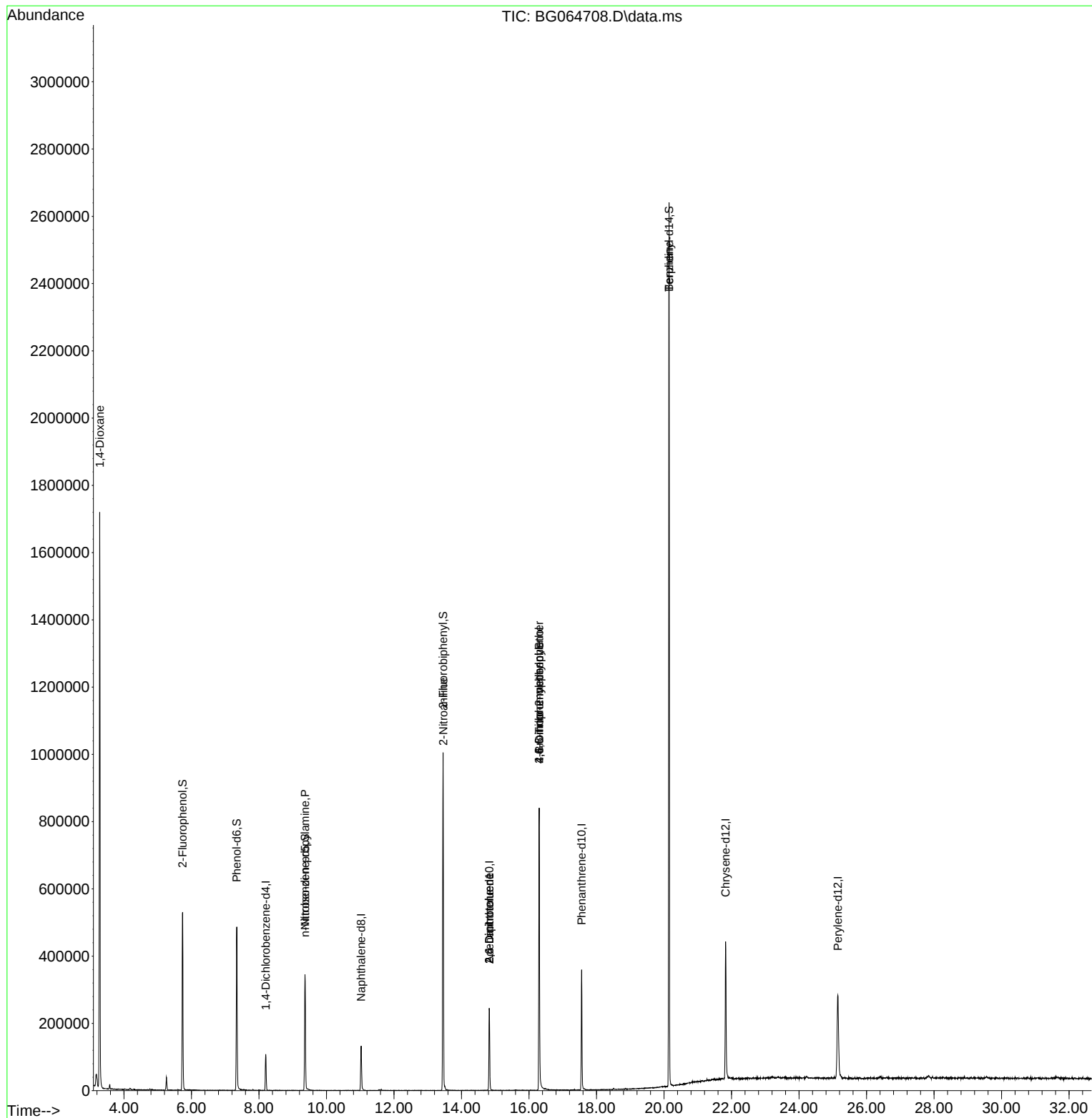
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.198	152	31168	20.000	ng	-0.02
21) Naphthalene-d8	11.024	136	119813	20.000	ng	#-0.02
39) Acenaphthene-d10	14.820	164	100517	20.000	ng	-0.02
64) Phenanthrene-d10	17.558	188	244672	20.000	ng	#-0.02
76) Chrysene-d12	21.823	240	305345	20.000	ng	#-0.04
86) Perylene-d12	25.149	264	330107	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.736	112	216961	116.840	ng	-0.01
7) Phenol-d6	7.340	99	263828	103.541	ng	-0.01
23) Nitrobenzene-d5	9.361	82	203880	102.206	ng	-0.02
42) 2,4,6-Tribromophenol	16.300	330	212931	146.772	ng	-0.02
45) 2-Fluorobiphenyl	13.451	172	570949	86.096	ng	-0.02
79) Terphenyl-d14	20.149	244	1422992	87.947	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.280	88	12989	15.800	ng	# 1
19) n-Nitroso-di-n-propyla...	9.367	70	27732	15.748	ng	# 69
48) 2-Nitroaniline	13.457	65	933	3.705	ng	# 6
51) 2,6-Dinitrotoluene	14.820	165	12664	12.508	ng	# 17
57) 2,4-Dinitrotoluene	14.820	165	12665	9.095	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.300	198	317	5.688	ng	# 64
67) 4-Bromophenyl-phenylether	16.300	248	13021	4.491	ng	# 1
77) Benzidine	20.149	184	21128	3.088	ng	# 94

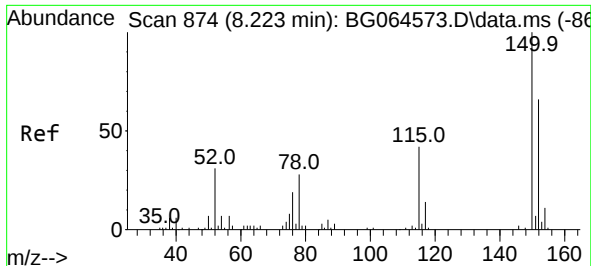
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064708.D
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Operator : RC/JU
Sample : Q3532-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-1

Quant Time: Nov 07 00:32:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

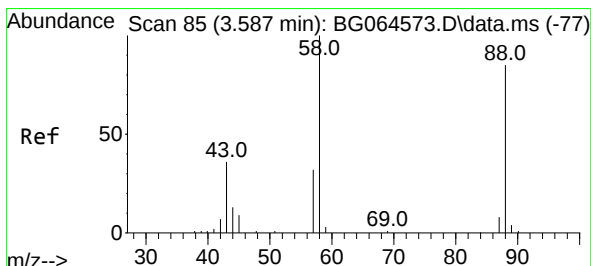
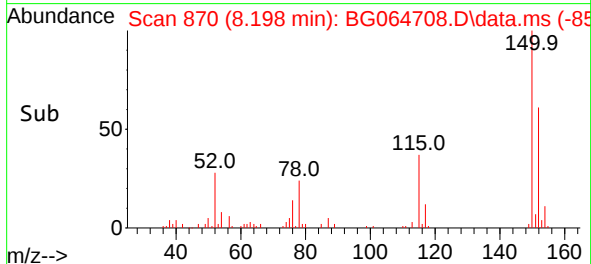
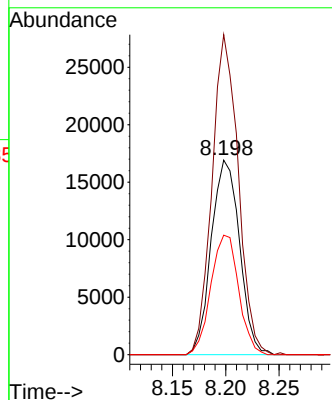
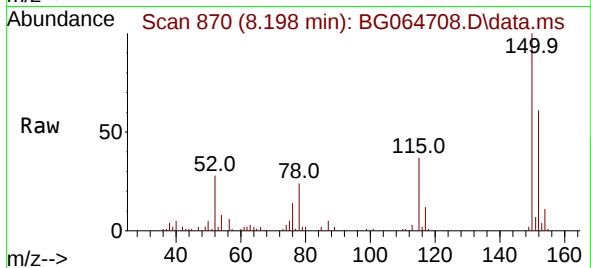




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.198 min Scan# 81
Delta R.T. -0.025 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

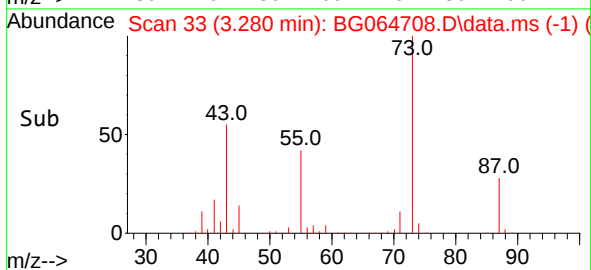
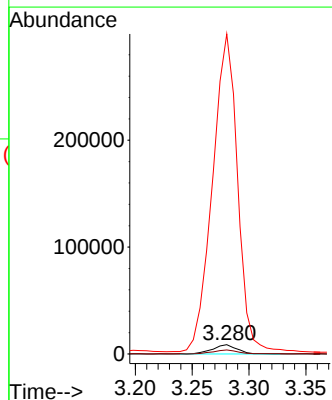
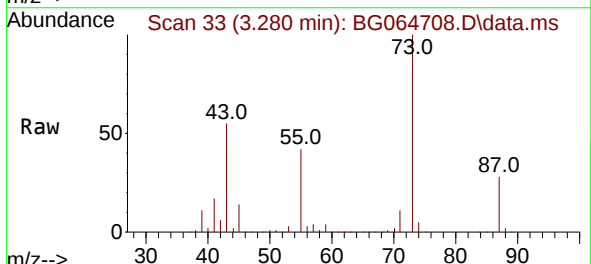
Instrument :
BNA_G
ClientSampleId :
TP-1

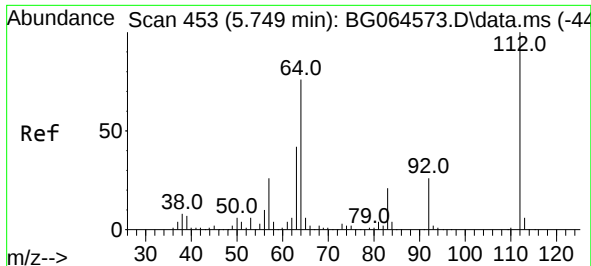
Tgt Ion:152 Resp: 31168
Ion Ratio Lower Upper
152 100
150 164.5 122.2 183.4
115 61.4 50.8 76.2



#2
1,4-Dioxane
Concen: 15.800 ng
RT: 3.280 min Scan# 33
Delta R.T. -0.307 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

Tgt Ion: 88 Resp: 12989
Ion Ratio Lower Upper
88 100
58 50.1 92.4 138.6#
43 3533.0 33.0 49.6#

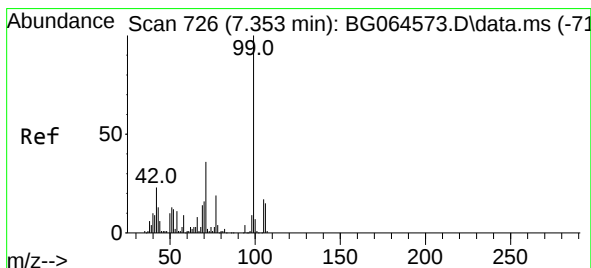
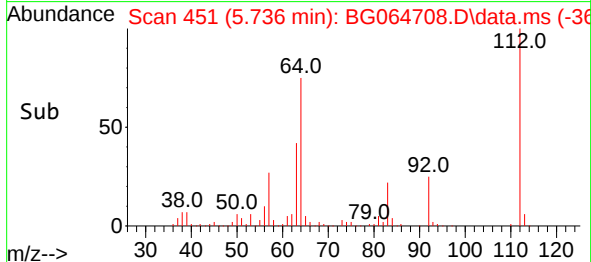
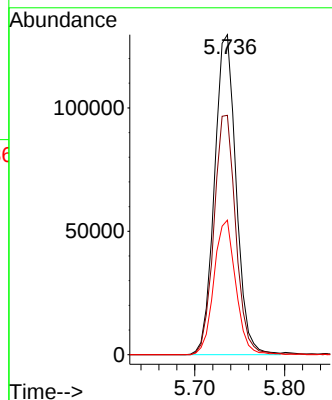
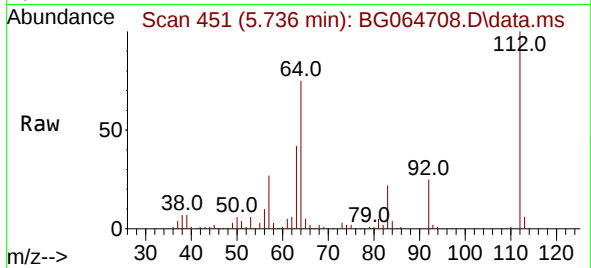




#5
2-Fluorophenol
Concen: 116.840 ng
RT: 5.736 min Scan# 411
Delta R.T. -0.013 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

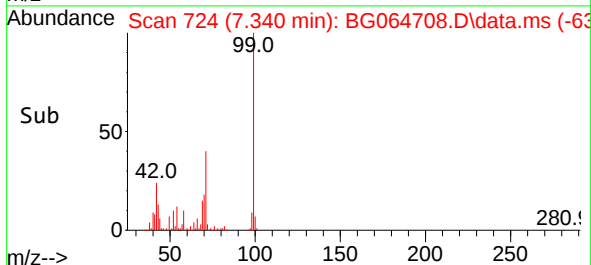
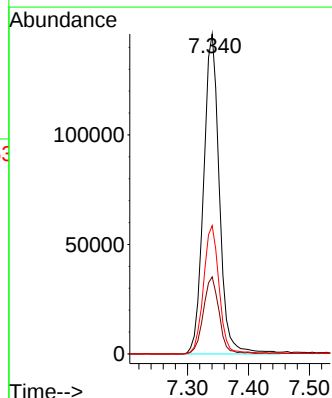
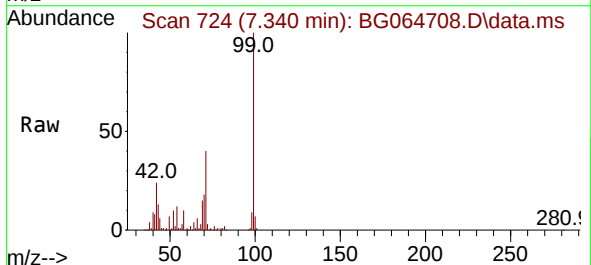
Instrument :
BNA_G
ClientSampleId :
TP-1

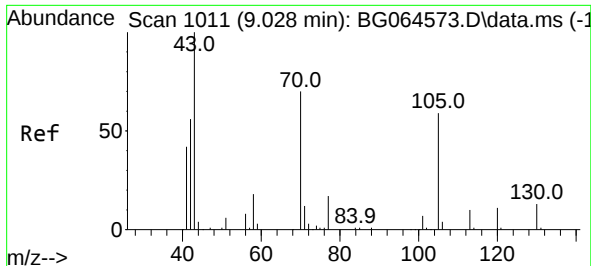
Tgt Ion:112 Resp: 216961
Ion Ratio Lower Upper
112 100
64 74.8 60.7 91.1
63 42.1 33.4 50.0



#7
Phenol-d6
Concen: 103.541 ng
RT: 7.340 min Scan# 724
Delta R.T. -0.013 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

Tgt Ion: 99 Resp: 263828
Ion Ratio Lower Upper
99 100
42 24.1 18.3 27.5
71 40.1 28.6 43.0

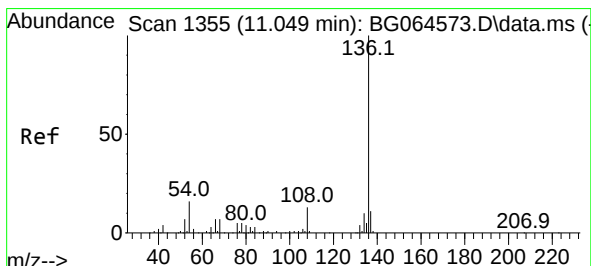
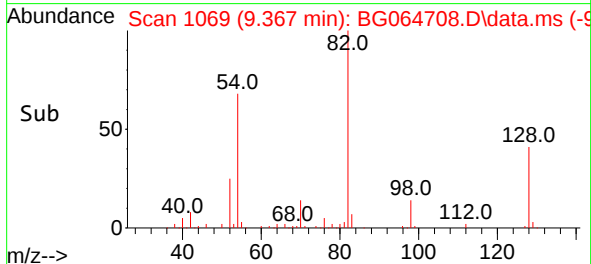
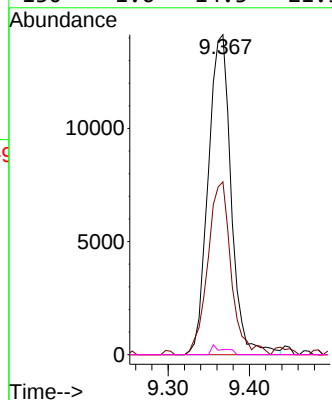
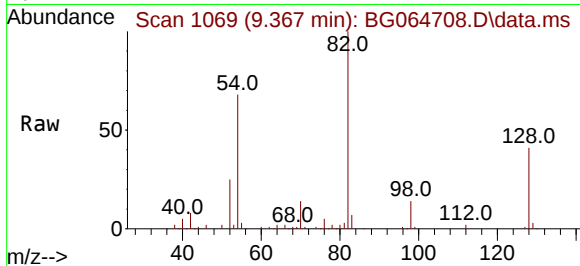




#19
n-Nitroso-di-n-propylamine
Concen: 15.748 ng
RT: 9.367 min Scan# 1069
Delta R.T. 0.340 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

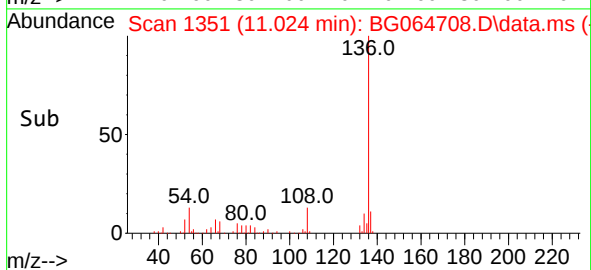
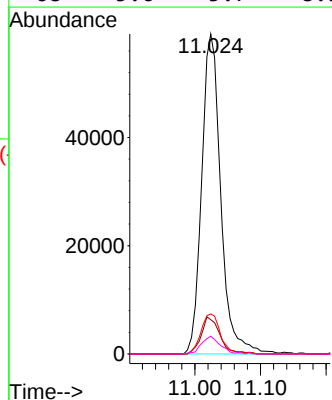
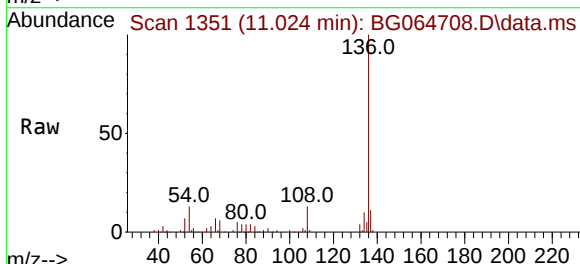
Instrument :
BNA_G
ClientSampleId :
TP-1

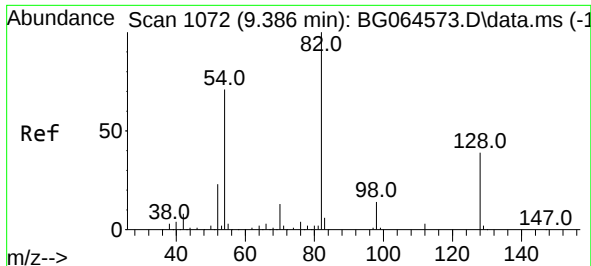
Tgt Ion: 70 Resp: 27732
Ion Ratio Lower Upper
70 100
42 54.0 65.2 97.8#
101 0.0 7.9 11.9#
130 1.6 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.024 min Scan# 1351
Delta R.T. -0.025 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

Tgt Ion:136 Resp: 119813
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 12.5 12.6 19.0#
68 5.6 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 102.206 ng

RT: 9.361 min Scan# 1068

Delta R.T. -0.025 min

Lab File: BG064708.D

Acq: 6 Nov 2025 18:30

Instrument :

BNA_G

ClientSampleId :

TP-1

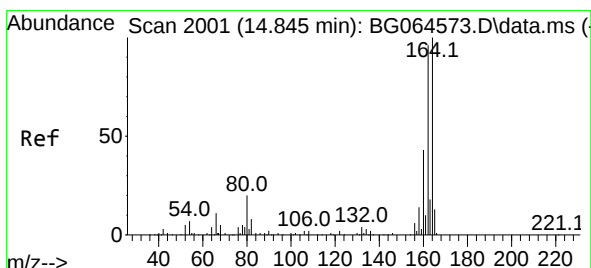
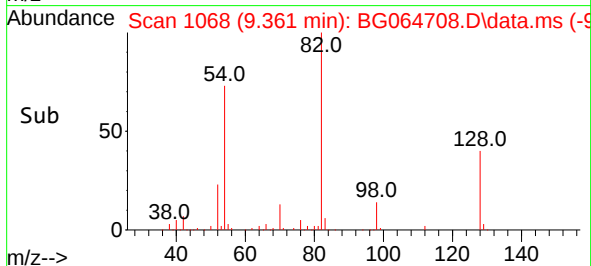
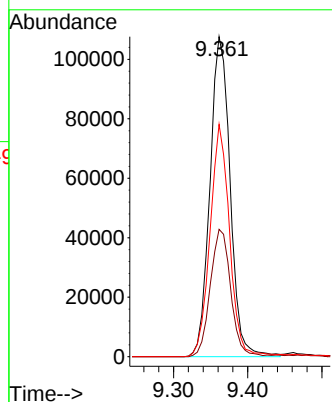
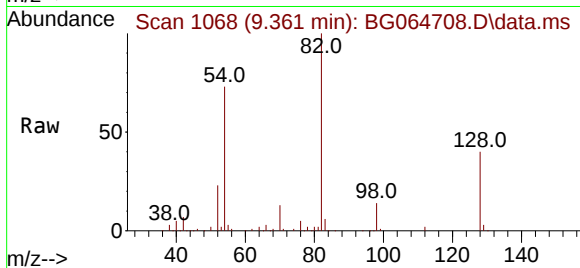
Tgt Ion: 82 Resp: 203880

Ion Ratio Lower Upper

82 100

128 39.8 31.3 46.9

54 72.6 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.820 min Scan# 1997

Delta R.T. -0.025 min

Lab File: BG064708.D

Acq: 6 Nov 2025 18:30

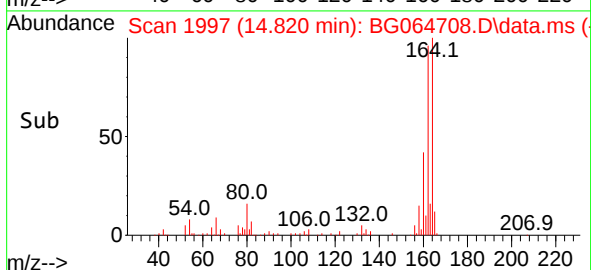
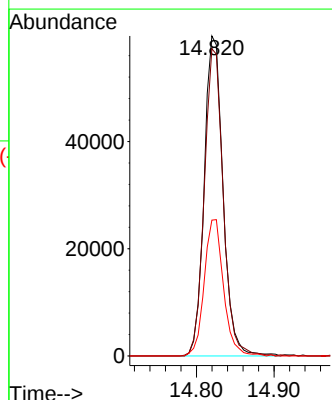
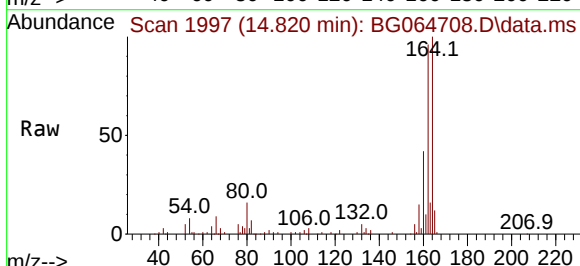
Tgt Ion: 164 Resp: 100517

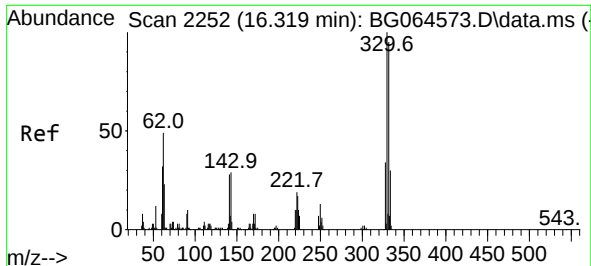
Ion Ratio Lower Upper

164 100

162 96.0 77.0 115.6

160 42.4 34.4 51.6

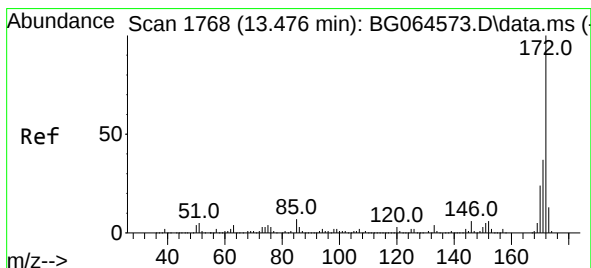
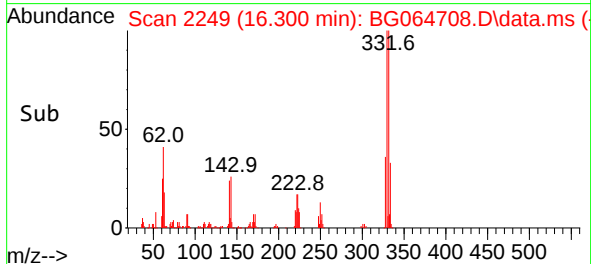
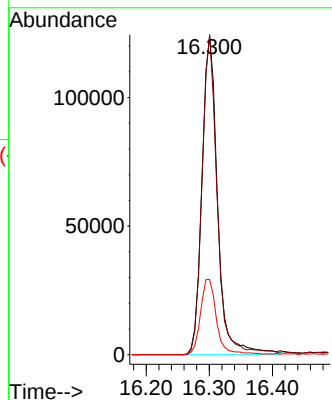
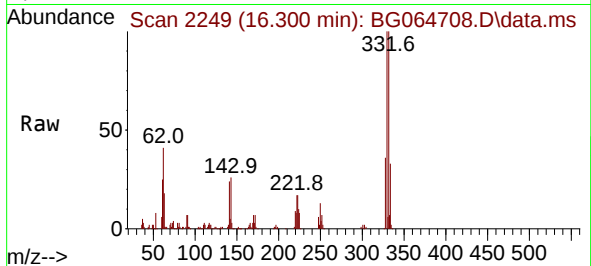




#42
2,4,6-Tribromophenol
Concen: 146.772 ng
RT: 16.300 min Scan# 21
Delta R.T. -0.019 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

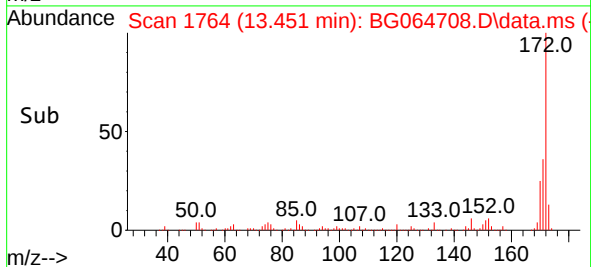
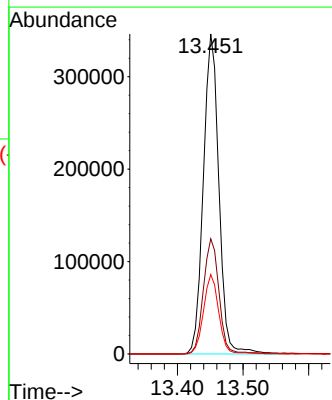
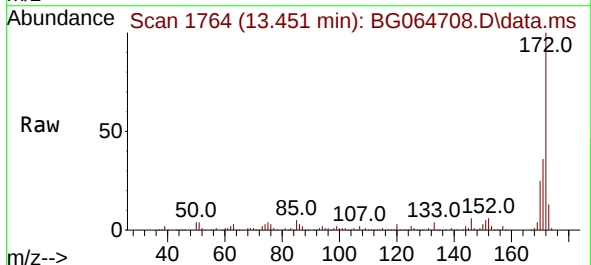
Instrument :
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ClientSampleId :
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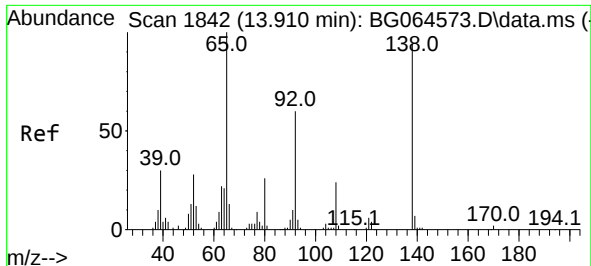
Tgt Ion:330 Resp: 212931
Ion Ratio Lower Upper
330 100
332 98.6 78.0 117.0
141 24.3 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 86.096 ng
RT: 13.451 min Scan# 1764
Delta R.T. -0.025 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

Tgt Ion:172 Resp: 570949
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.8 19.1 28.7

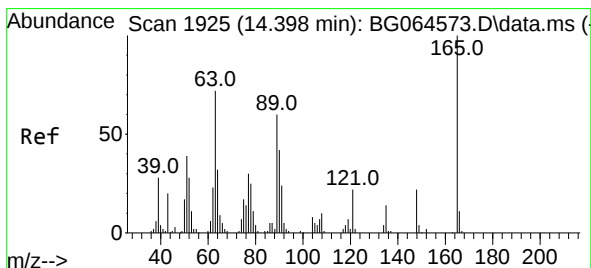
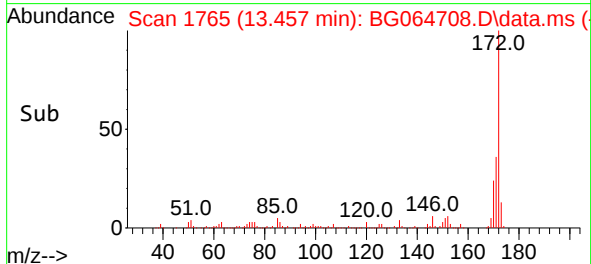
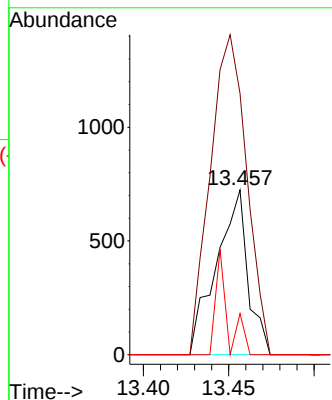
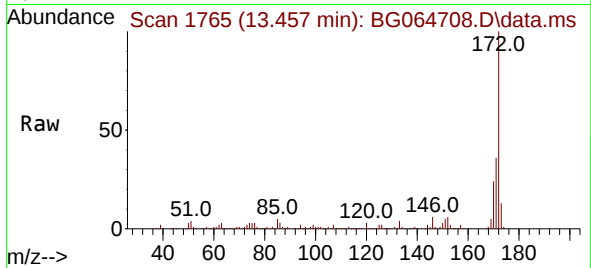




#48
2-Nitroaniline
Concen: 3.705 ng
RT: 13.457 min Scan# 1
Delta R.T. -0.453 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

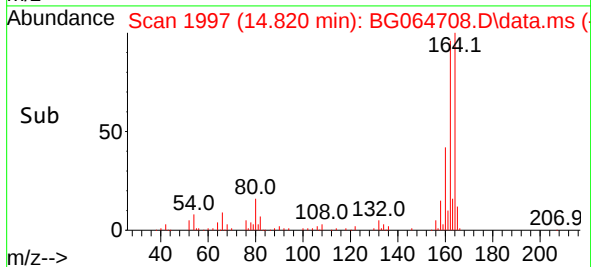
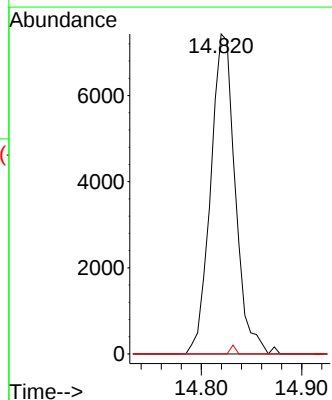
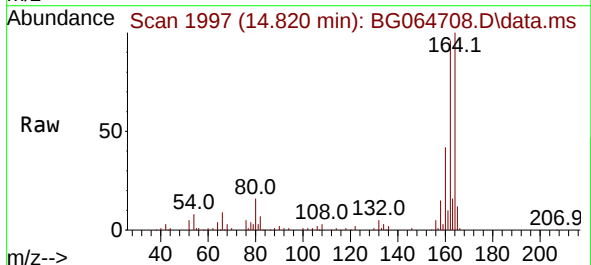
Instrument :
BNA_G
ClientSampleId :
TP-1

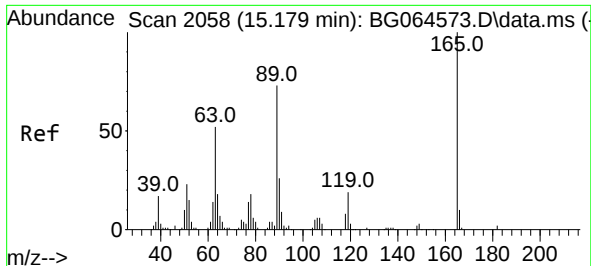
Tgt Ion: 65 Resp: 933
Ion Ratio Lower Upper
65 100
92 158.6 48.3 72.5#
138 25.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.508 ng
RT: 14.820 min Scan# 1997
Delta R.T. 0.422 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

Tgt Ion:165 Resp: 12664
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: 9.095 ng

RT: 14.820 min Scan# 1997

Delta R.T. -0.359 min

Lab File: BG064708.D

Acq: 6 Nov 2025 18:30

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:165 Resp: 12665

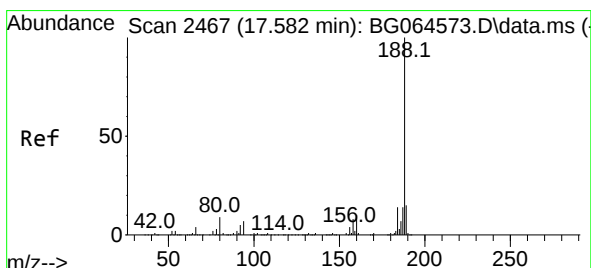
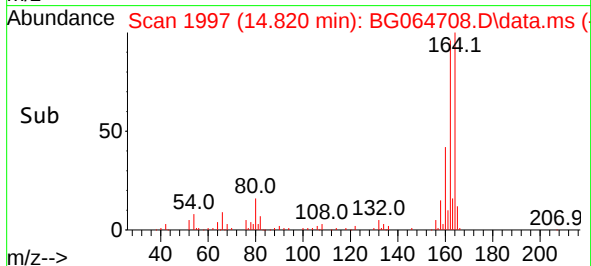
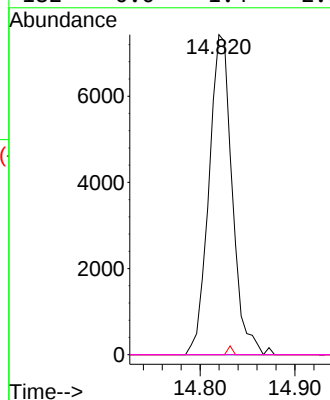
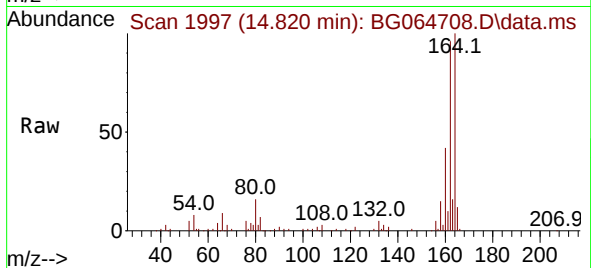
Ion Ratio Lower Upper

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: 17.558 min Scan# 2463

Delta R.T. -0.025 min

Lab File: BG064708.D

Acq: 6 Nov 2025 18:30

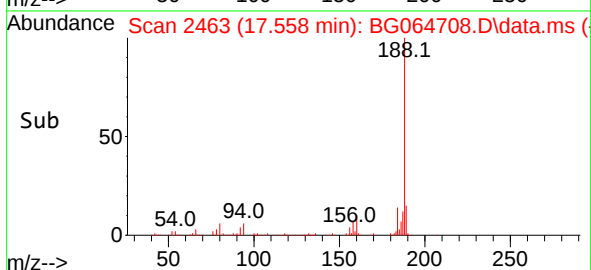
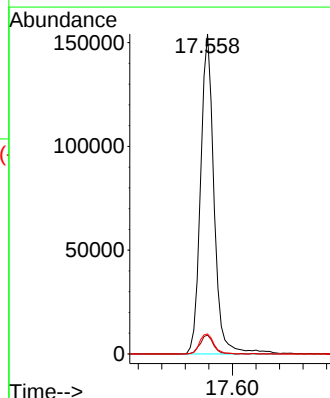
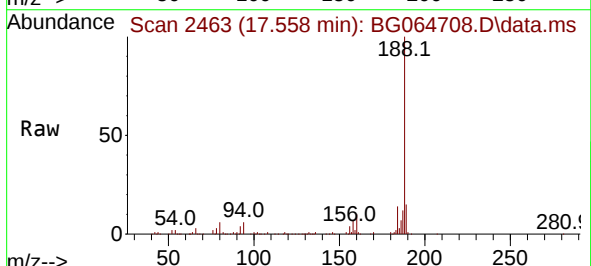
Tgt Ion:188 Resp: 244672

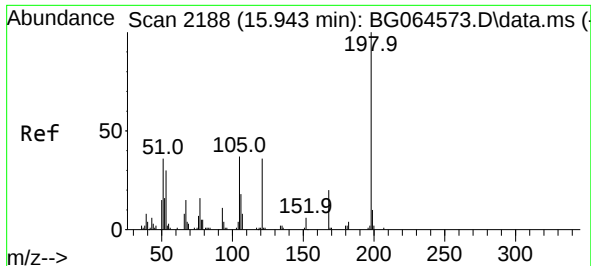
Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

80 6.2 6.8 10.2#

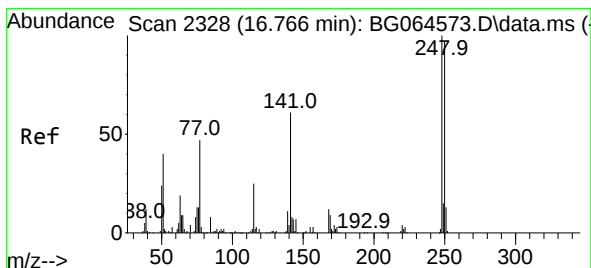
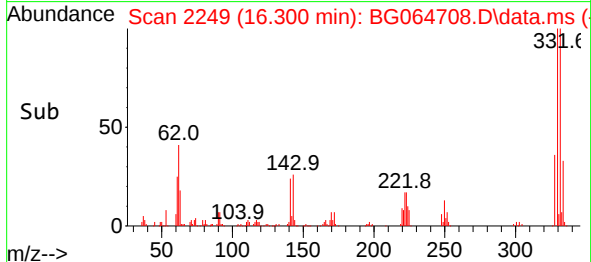
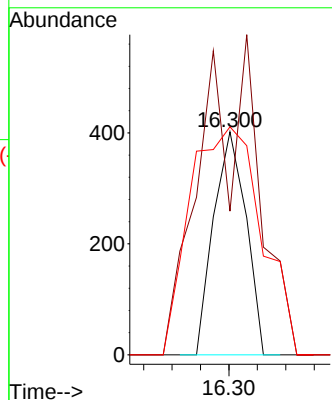
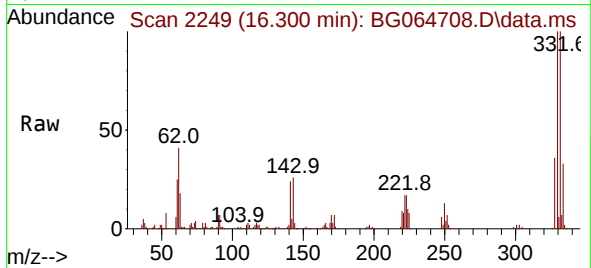




#65
4,6-Dinitro-2-methylphenol
Concen: 5.688 ng
RT: 16.300 min Scan# 2188
Delta R.T. 0.357 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

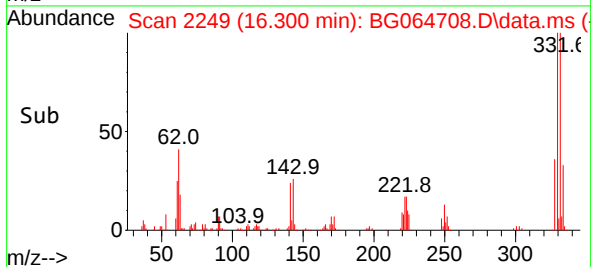
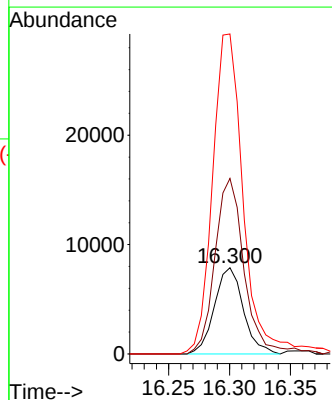
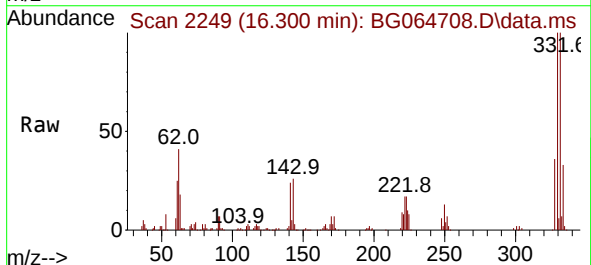
Instrument :
BNA_G
ClientSampleId :
TP-1

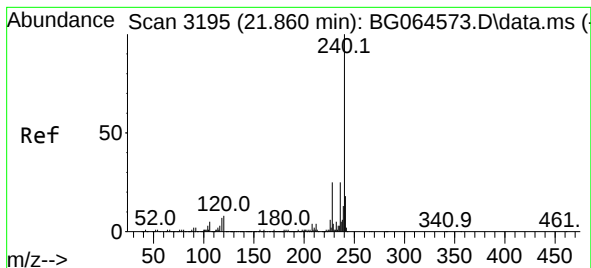
Tgt Ion:198 Resp: 317
Ion Ratio Lower Upper
198 100
51 14.6 24.7 64.7#
105 23.1 18.0 58.0



#67
4-Bromophenyl-phenylether
Concen: 4.491 ng
RT: 16.300 min Scan# 2249
Delta R.T. -0.465 min
Lab File: BG064708.D
Acq: 6 Nov 2025 18:30

Tgt Ion:248 Resp: 13021
Ion Ratio Lower Upper
248 100
250 259.1 77.7 116.5#
141 371.3 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.823 min Scan# 31

Delta R.T. -0.036 min

Lab File: BG064708.D

Acq: 6 Nov 2025 18:30

Instrument :

BNA_G

ClientSampleId :

TP-1

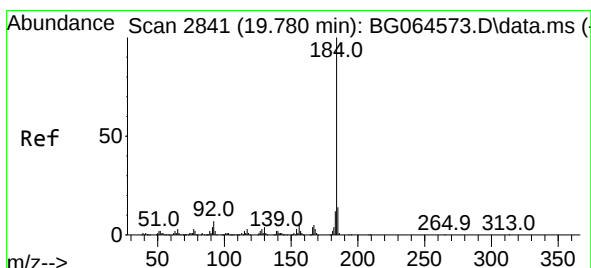
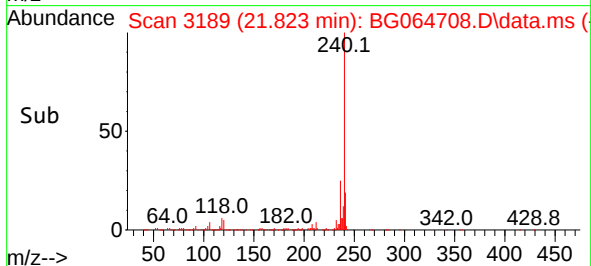
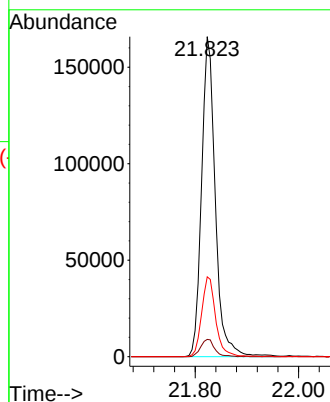
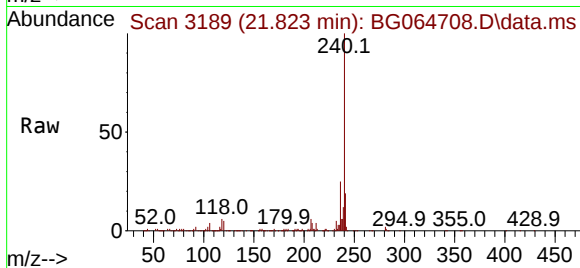
Tgt Ion:240 Resp: 305345

Ion Ratio Lower Upper

240 100

120 5.4 6.5 9.7#

236 25.0 20.2 30.2



#77

Benzidine

Concen: 3.088 ng

RT: 20.149 min Scan# 2904

Delta R.T. 0.369 min

Lab File: BG064708.D

Acq: 6 Nov 2025 18:30

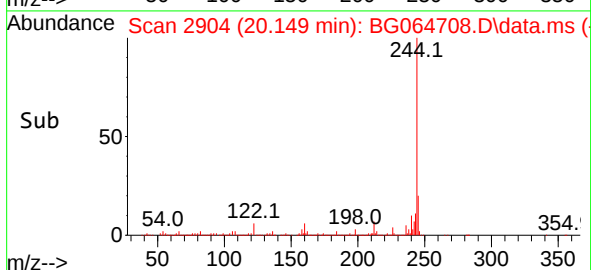
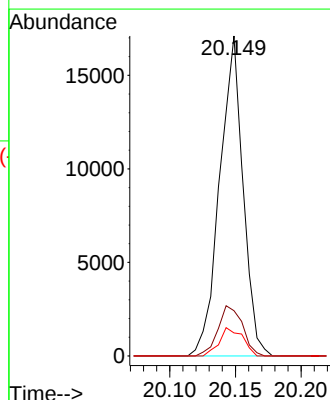
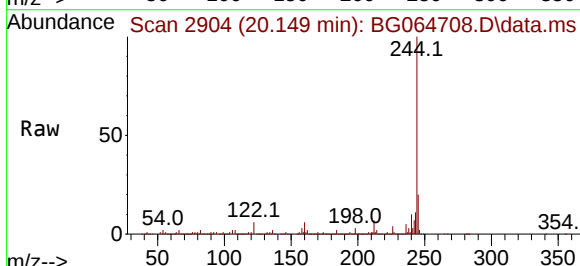
Tgt Ion:184 Resp: 21128

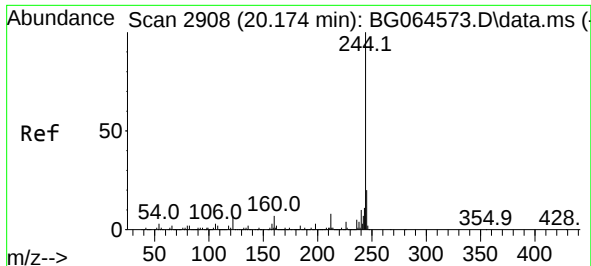
Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.2

183 7.2 9.4 14.2#

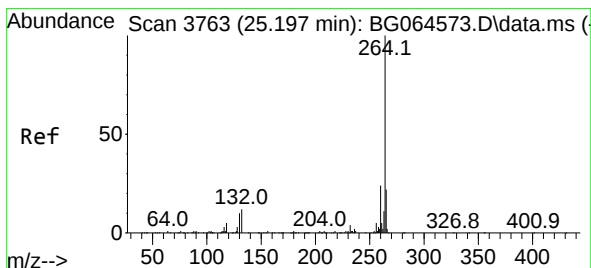
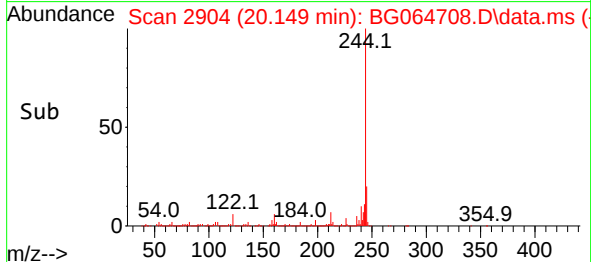
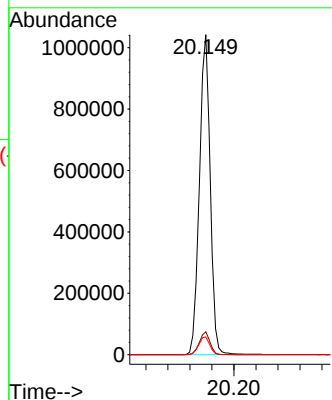
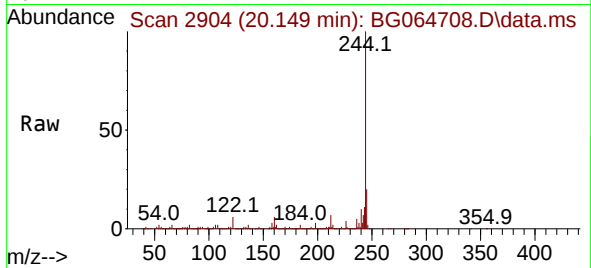




#79
 Terphenyl-d14
 Concen: 87.947 ng
 RT: 20.149 min Scan# 2904
 Delta R.T. -0.025 min
 Lab File: BG064708.D
 Acq: 6 Nov 2025 18:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 1422992
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.6 5.6 8.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.149 min Scan# 3755
 Delta R.T. -0.048 min
 Lab File: BG064708.D
 Acq: 6 Nov 2025 18:30

Tgt Ion:264 Resp: 330107
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 20.6 17.6 26.4

