

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064910.D
 Acq On : 9 Dec 2025 18:22
 Operator : RC/JU
 Sample : Q3795-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11966

Quant Time: Dec 10 00:14:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

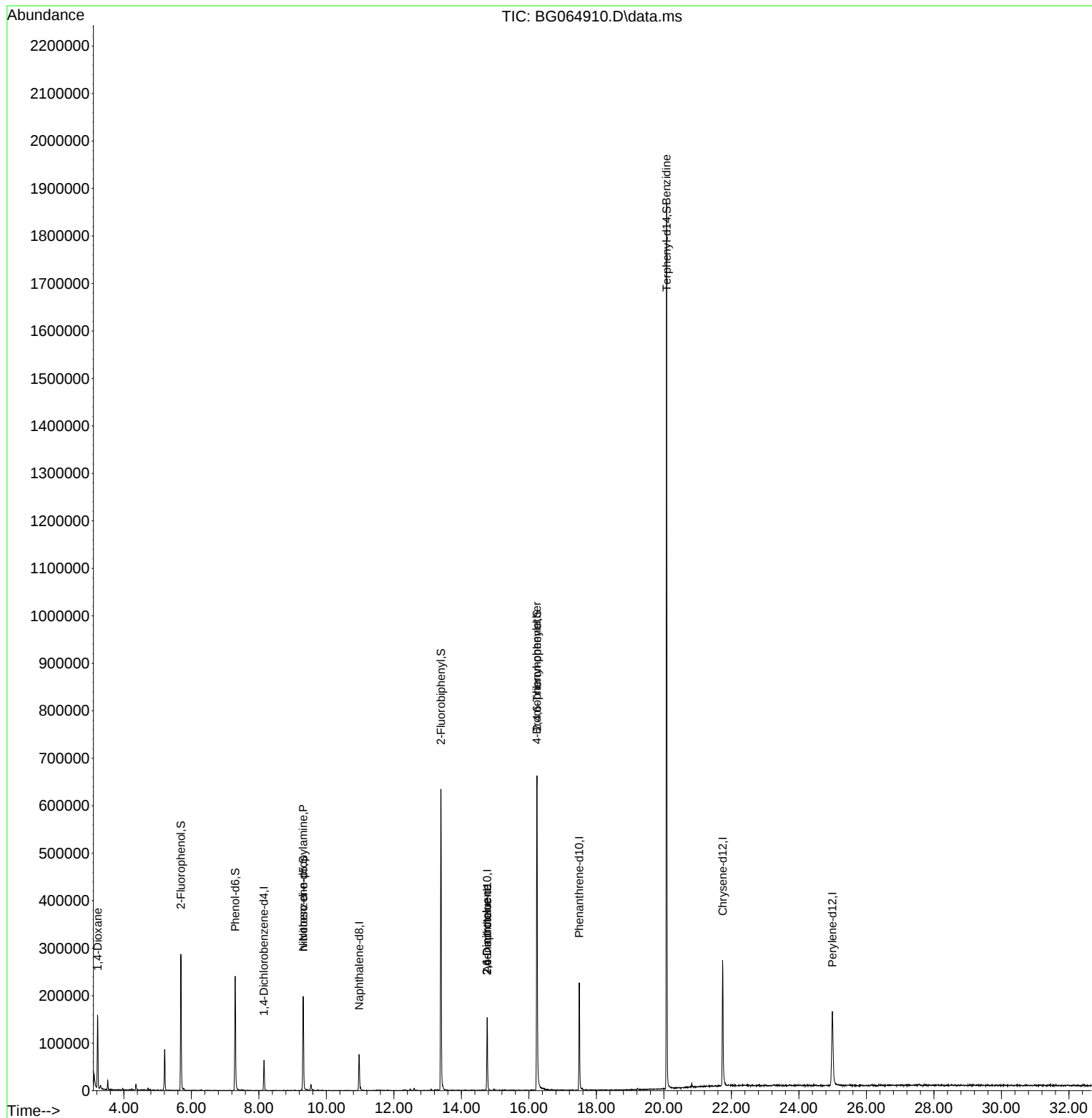
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	18339	20.000	ng	-0.02
21) Naphthalene-d8	10.970	136	71934	20.000	ng	#-0.02
39) Acenaphthene-d10	14.766	164	66009	20.000	ng	-0.01
64) Phenanthrene-d10	17.492	188	160763	20.000	ng	#-0.01
76) Chrysene-d12	21.740	240	215874	20.000	ng	#-0.02
86) Perylene-d12	24.989	264	225824	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	115671	110.140	ng	-0.01
7) Phenol-d6	7.298	99	127878	91.549	ng	-0.01
23) Nitrobenzene-d5	9.314	82	113168	77.784	ng	-0.02
42) 2,4,6-Tribromophenol	16.241	330	194082	150.757	ng	-0.01
45) 2-Fluorobiphenyl	13.397	172	379005	80.117	ng	-0.01
79) Terphenyl-d14	20.083	244	1072338	97.714	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.221	88	1316	3.237	ng	# 1
19) n-Nitroso-di-n-propyla...	9.314	70	16526	17.498	ng	# 71
51) 2,6-Dinitrotoluene	14.760	165	8245	8.217	ng	# 21
57) 2,4-Dinitrotoluene	14.760	165	8245	5.481	ng	# 24
67) 4-Bromophenyl-phenylether	16.235	248	11120	5.267	ng	# 1
77) Benzidine	20.077	184	14543	2.249	ng	96

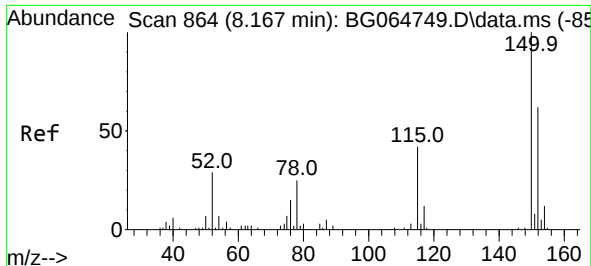
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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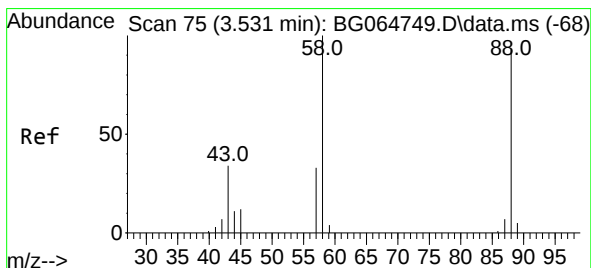
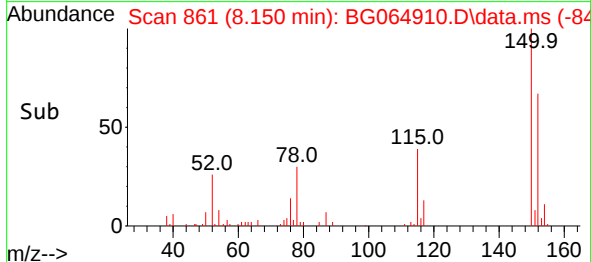
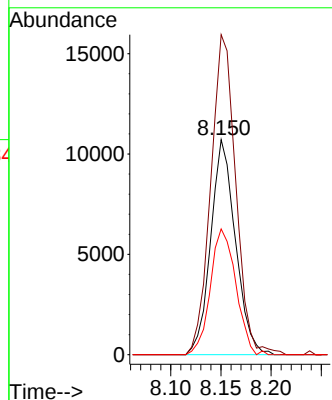
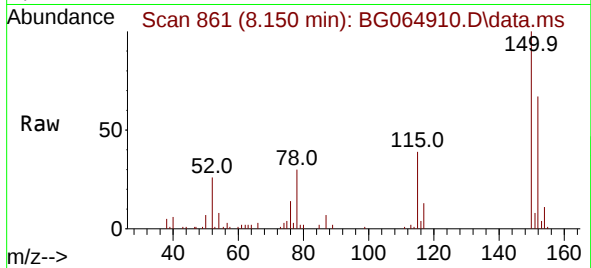




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.150 min Scan# 80
 Delta R.T. -0.017 min
 Lab File: BG064910.D
 Acq: 9 Dec 2025 18:22

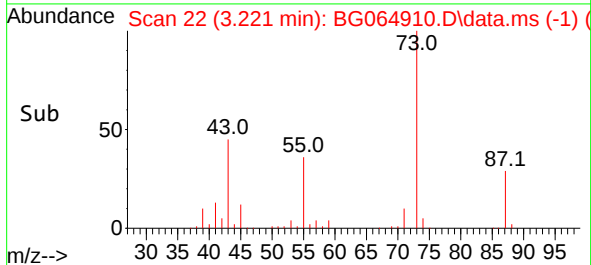
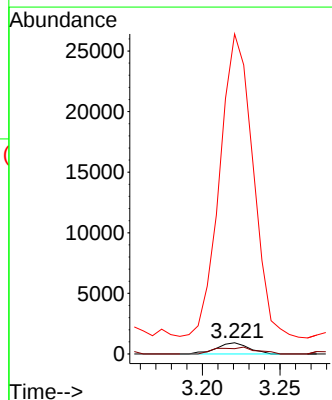
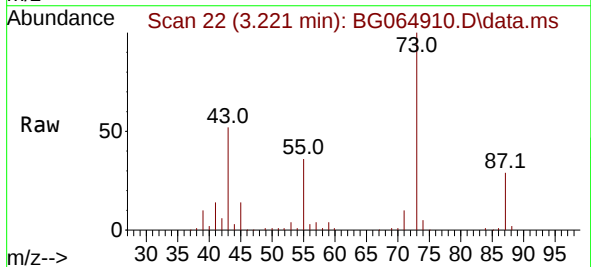
Instrument :
 BNA_G
 ClientSampleId :
 72-11966

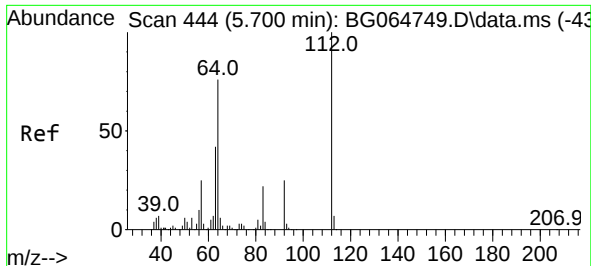
Tgt Ion:152 Resp: 18339
 Ion Ratio Lower Upper
 152 100
 150 148.9 129.2 193.8
 115 58.5 53.7 80.5



#2
 1,4-Dioxane
 Concen: 3.237 ng
 RT: 3.221 min Scan# 22
 Delta R.T. -0.311 min
 Lab File: BG064910.D
 Acq: 9 Dec 2025 18:22

Tgt Ion: 88 Resp: 1316
 Ion Ratio Lower Upper
 88 100
 58 75.6 84.6 126.8#
 43 2855.0 30.0 45.0#

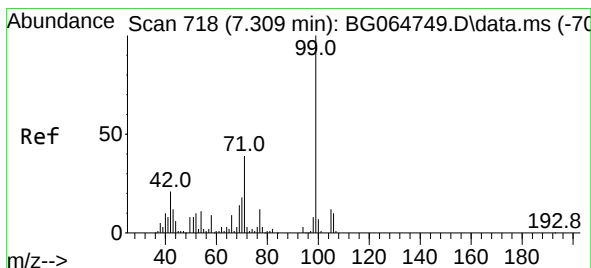
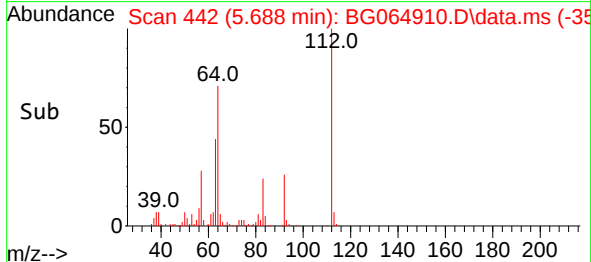
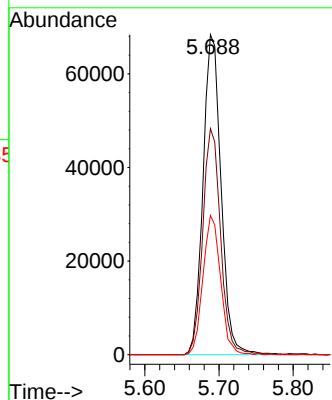
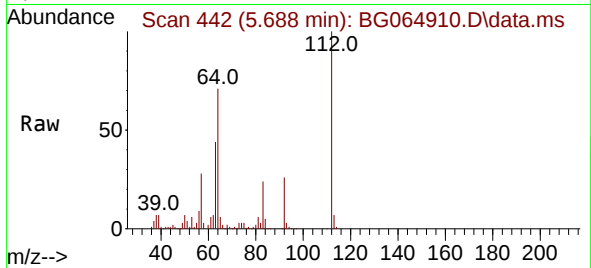




#5
2-Fluorophenol
Concen: 110.140 ng
RT: 5.688 min Scan# 444
Delta R.T. -0.011 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

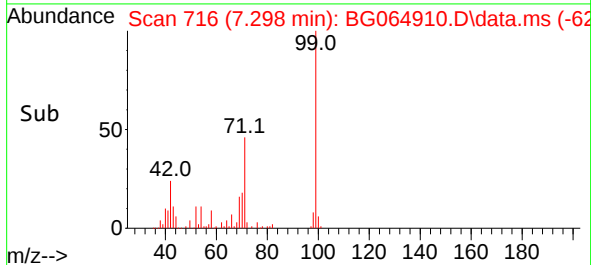
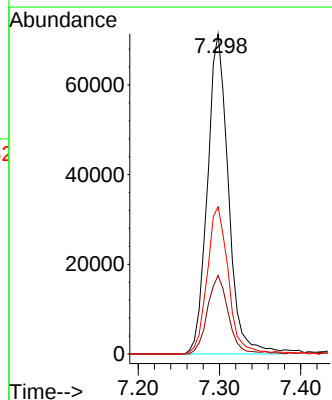
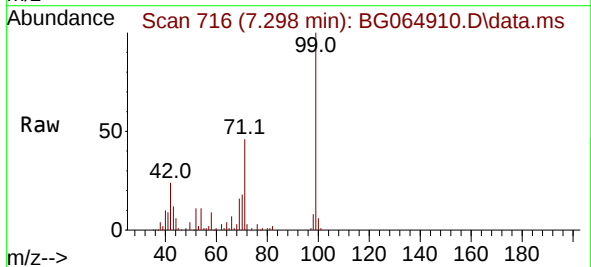
Instrument :
BNA_G
ClientSampleId :
72-11966

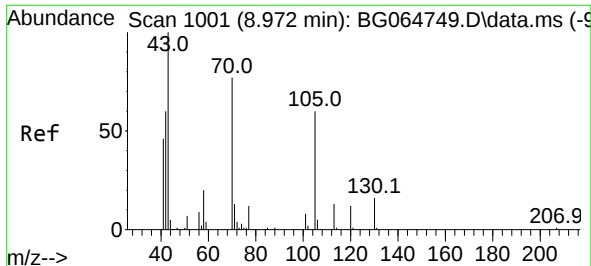
Tgt Ion:112 Resp: 115671
Ion Ratio Lower Upper
112 100
64 70.6 61.0 91.4
63 43.5 33.3 49.9



#7
Phenol-d6
Concen: 91.549 ng
RT: 7.298 min Scan# 716
Delta R.T. -0.011 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

Tgt Ion: 99 Resp: 127878
Ion Ratio Lower Upper
99 100
42 24.5 16.8 25.2
71 46.0 31.1 46.7

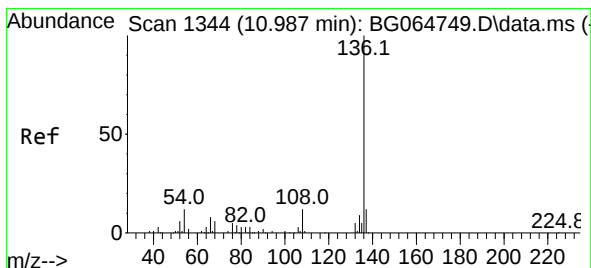
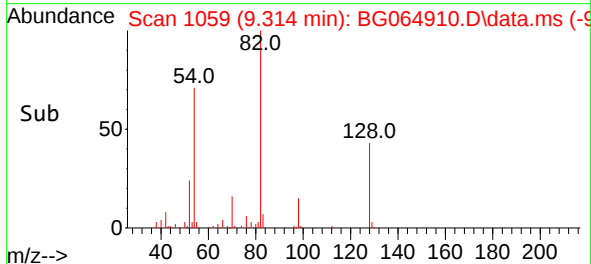
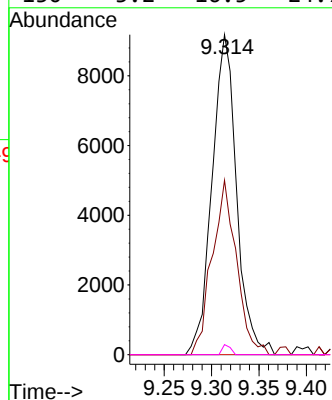
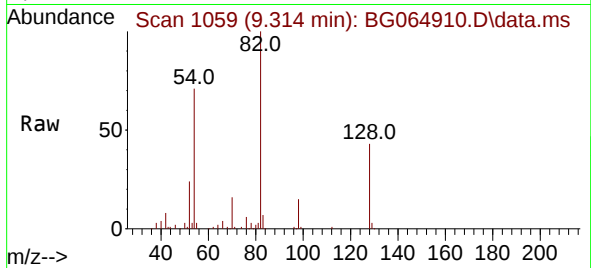




#19
n-Nitroso-di-n-propylamine
Concen: 17.498 ng
RT: 9.314 min Scan# 1059
Delta R.T. 0.341 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

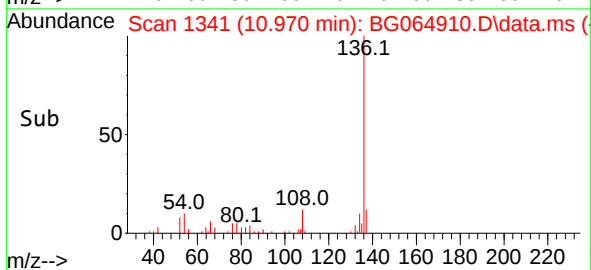
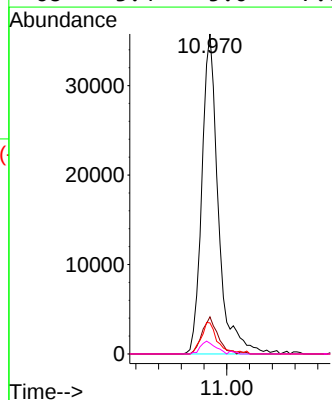
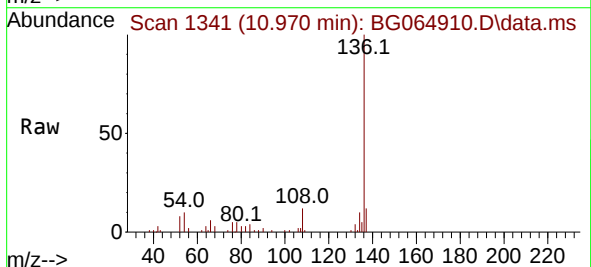
Instrument :
BNA_G
ClientSampleId :
72-11966

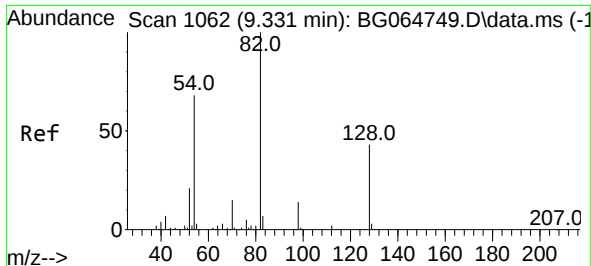
Tgt Ion: 70 Resp: 16526
Ion Ratio Lower Upper
70 100
42 54.5 62.6 93.8#
101 0.0 8.0 12.0#
130 3.2 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 1341
Delta R.T. -0.017 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

Tgt Ion:136 Resp: 71934
Ion Ratio Lower Upper
136 100
137 11.6 9.3 13.9
54 9.7 9.3 13.9
68 3.4 5.0 7.6#





#23

Nitrobenzene-d5

Concen: 77.784 ng

RT: 9.314 min Scan# 1059

Delta R.T. -0.017 min

Lab File: BG064910.D

Acq: 9 Dec 2025 18:22

Instrument :

BNA_G

ClientSampleId :

72-11966

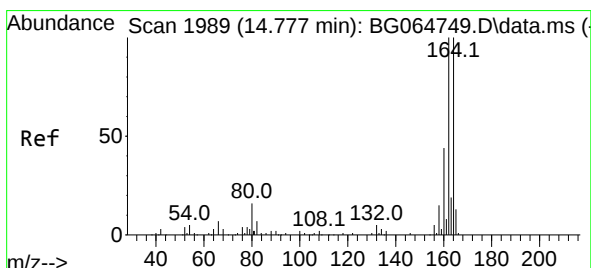
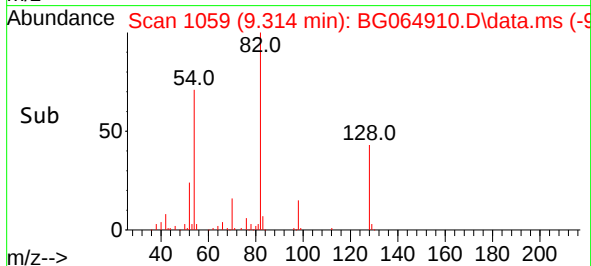
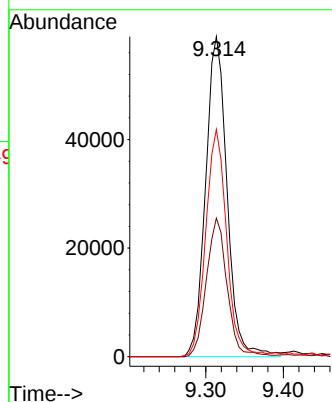
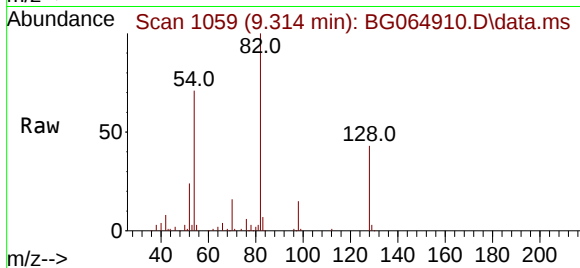
Tgt Ion: 82 Resp: 113168

Ion Ratio Lower Upper

82 100

128 43.3 34.1 51.1

54 71.0 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.766 min Scan# 1987

Delta R.T. -0.011 min

Lab File: BG064910.D

Acq: 9 Dec 2025 18:22

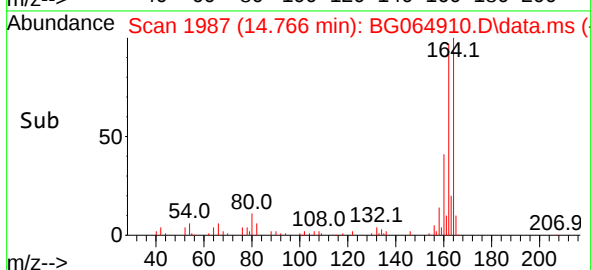
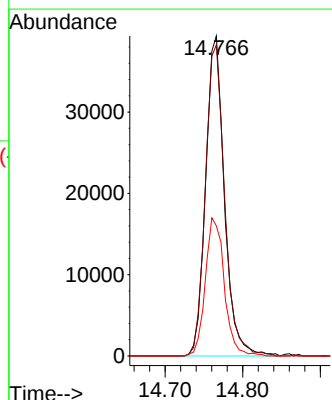
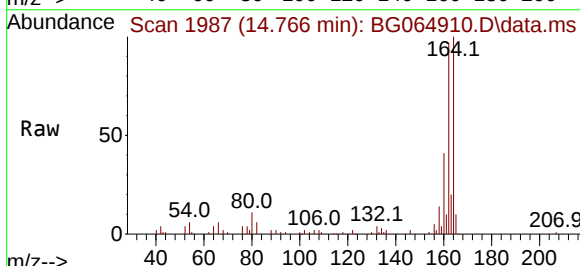
Tgt Ion:164 Resp: 66009

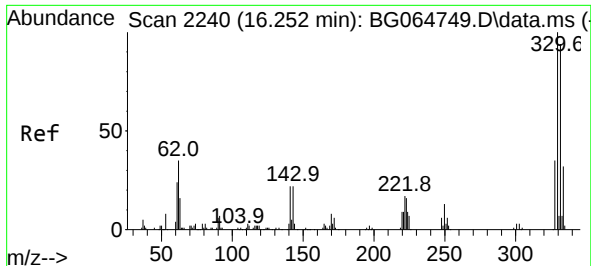
Ion Ratio Lower Upper

164 100

162 97.2 79.8 119.6

160 40.7 34.9 52.3

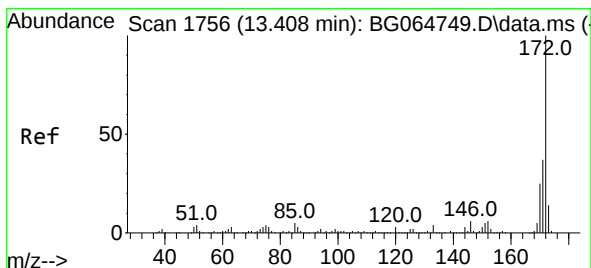
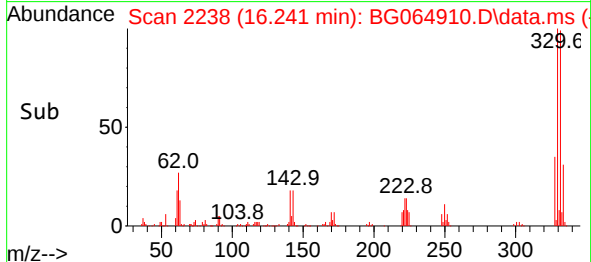
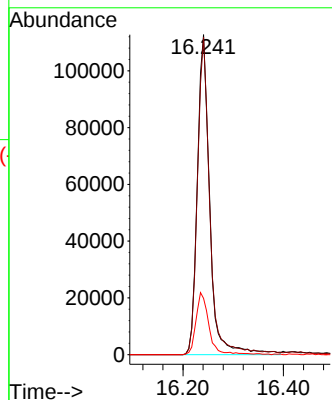
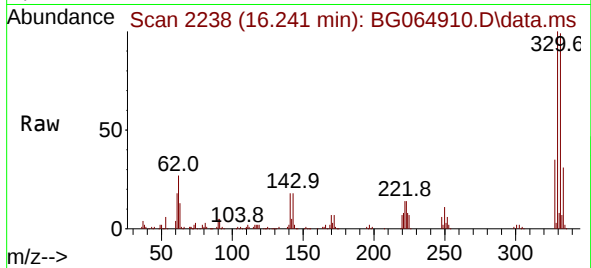




#42
 2,4,6-Tribromophenol
 Concen: 150.757 ng
 RT: 16.241 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG064910.D
 Acq: 9 Dec 2025 18:22

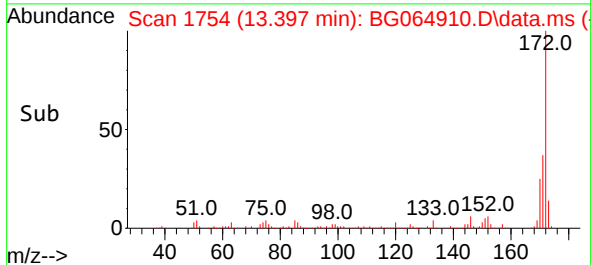
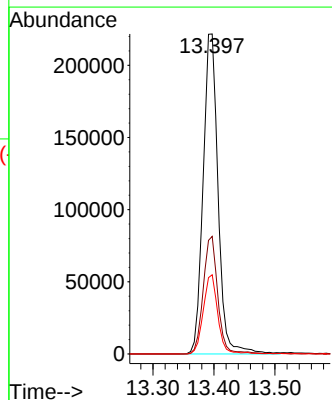
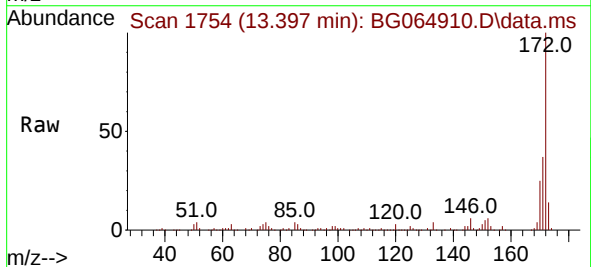
Instrument :
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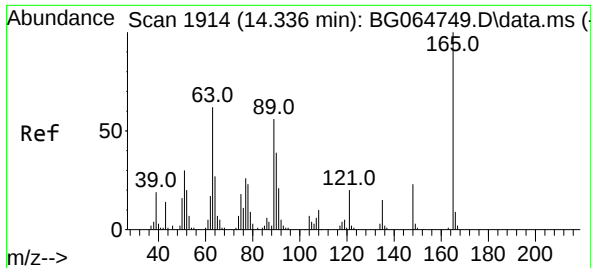
Tgt Ion:330 Resp: 194082
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 20.1 18.2 27.2



#45
 2-Fluorobiphenyl
 Concen: 80.117 ng
 RT: 13.397 min Scan# 1754
 Delta R.T. -0.011 min
 Lab File: BG064910.D
 Acq: 9 Dec 2025 18:22

Tgt Ion:172 Resp: 379005
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 24.8 19.8 29.6

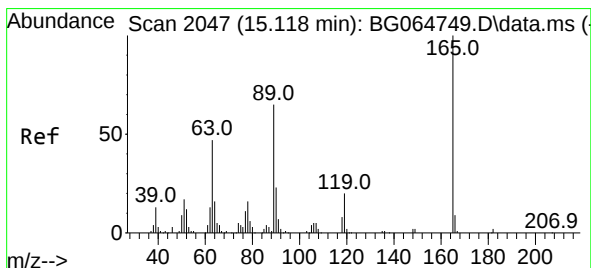
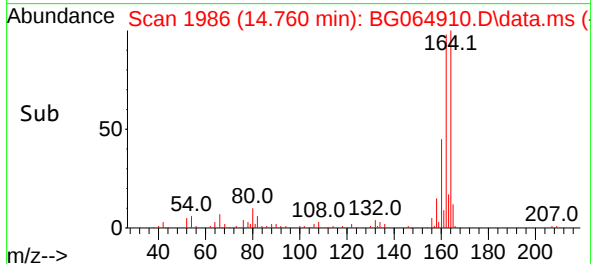
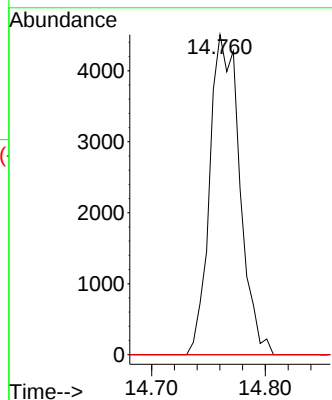
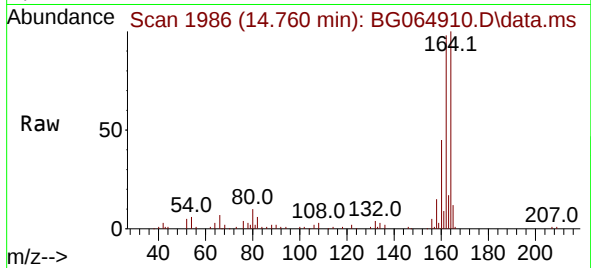




#51
2,6-Dinitrotoluene
Concen: 8.217 ng
RT: 14.760 min Scan# 1914
Delta R.T. 0.424 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

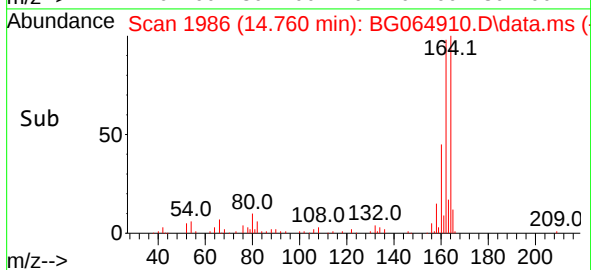
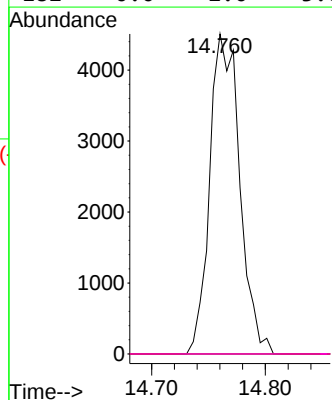
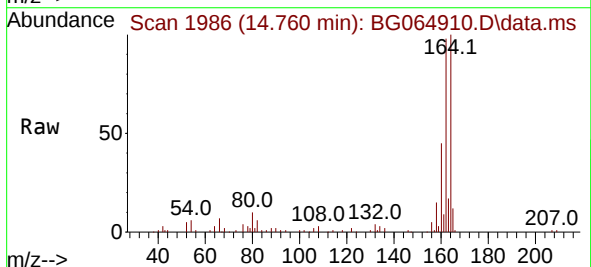
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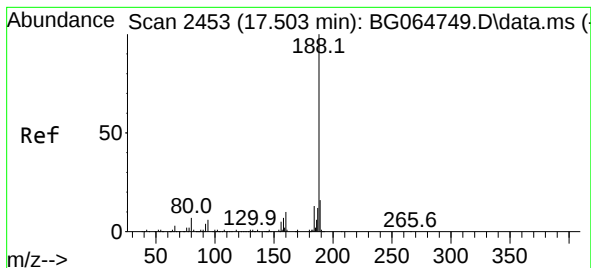
Tgt Ion:165 Resp: 8245
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.481 ng
RT: 14.760 min Scan# 1986
Delta R.T. -0.358 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

Tgt Ion:165 Resp: 8245
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 24

Delta R.T. -0.011 min

Lab File: BG064910.D

Acq: 9 Dec 2025 18:22

Instrument :

BNA_G

ClientSampleId :

72-11966

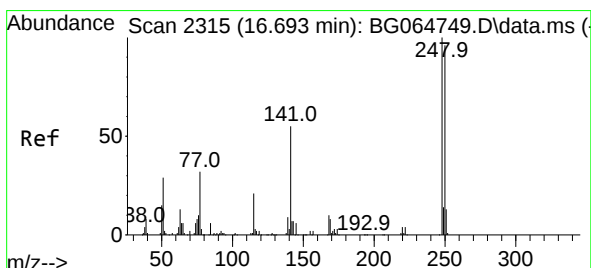
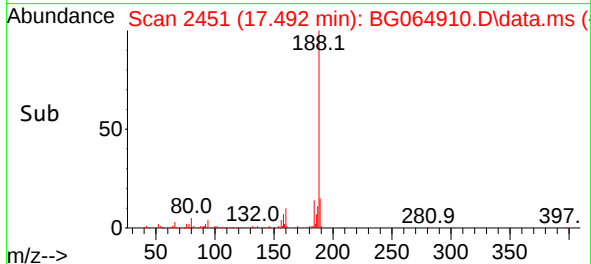
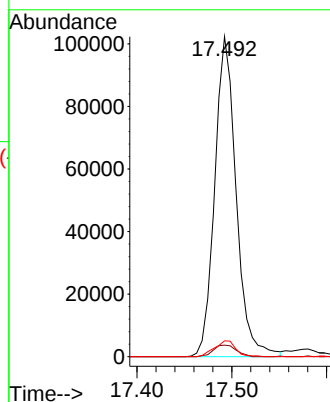
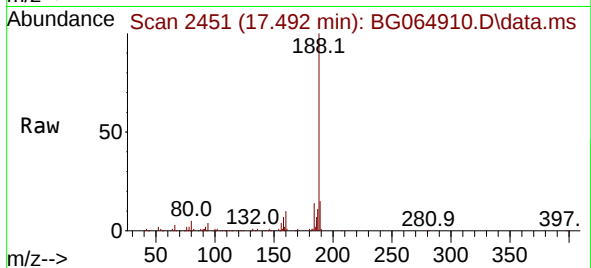
Tgt Ion:188 Resp: 160763

Ion Ratio Lower Upper

188 100

94 3.6 4.7 7.1#

80 5.5 5.4 8.2



#67

4-Bromophenyl-phenylether

Concen: 5.267 ng

RT: 16.235 min Scan# 2237

Delta R.T. -0.458 min

Lab File: BG064910.D

Acq: 9 Dec 2025 18:22

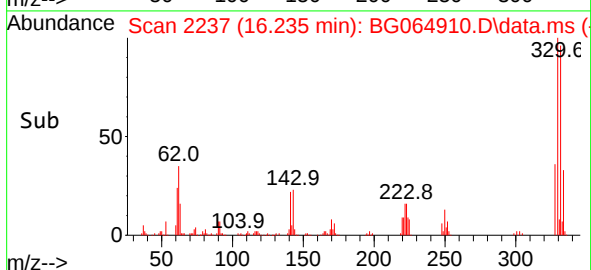
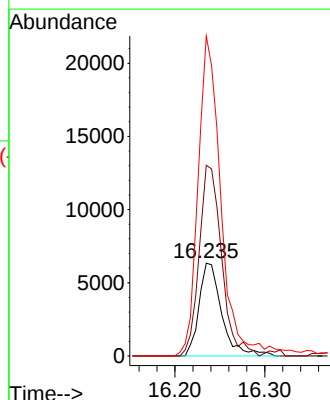
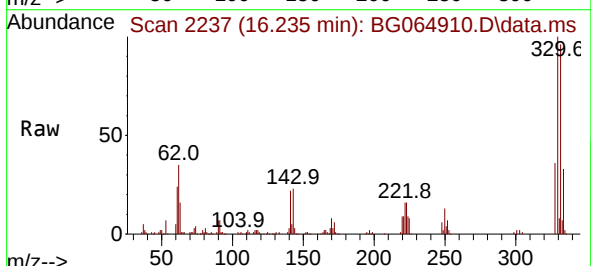
Tgt Ion:248 Resp: 11120

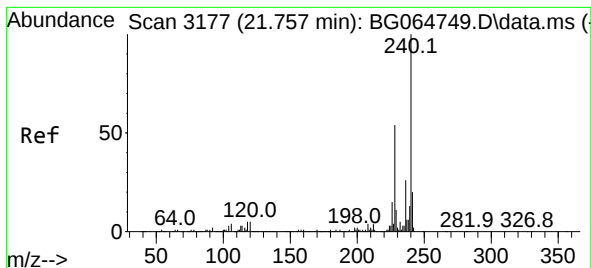
Ion Ratio Lower Upper

248 100

250 158.9 77.0 115.6#

141 266.6 43.7 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.740 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG064910.D

Acq: 9 Dec 2025 18:22

Instrument :

BNA_G

ClientSampleId :

72-11966

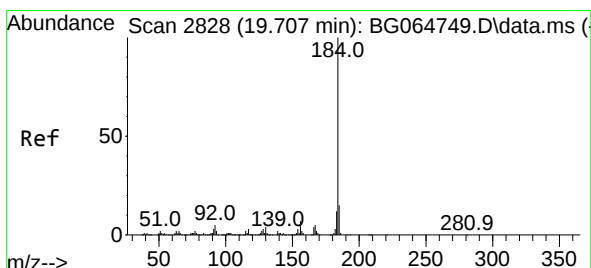
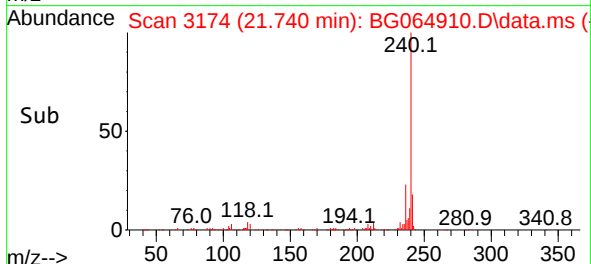
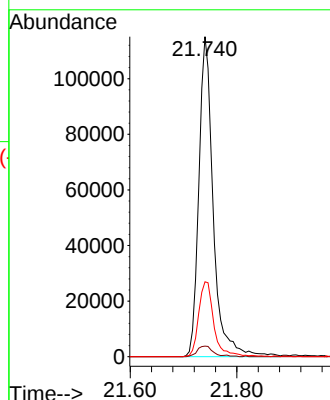
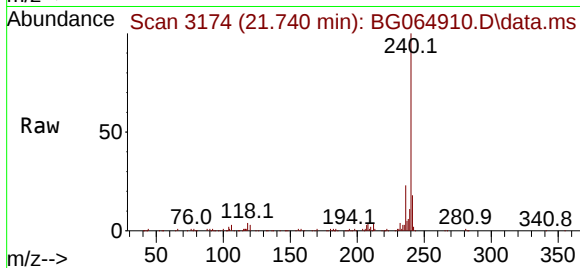
Tgt Ion:240 Resp: 215874

Ion Ratio Lower Upper

240 100

120 3.3 4.2 6.4#

236 23.4 20.8 31.2



#77

Benzidine

Concen: 2.249 ng

RT: 20.077 min Scan# 2891

Delta R.T. 0.371 min

Lab File: BG064910.D

Acq: 9 Dec 2025 18:22

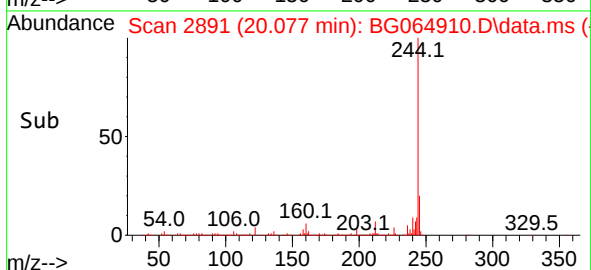
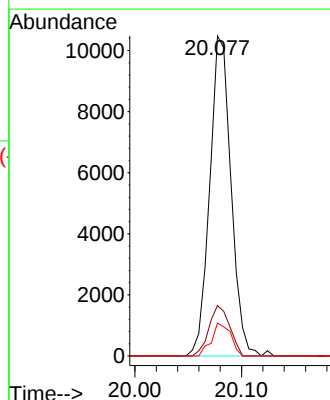
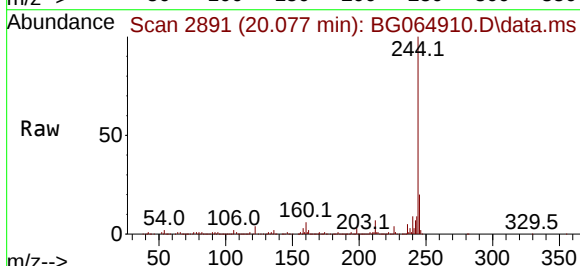
Tgt Ion:184 Resp: 14543

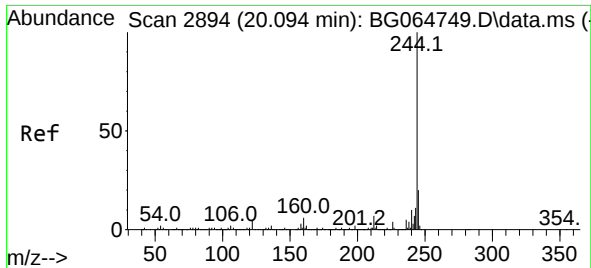
Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.6

183 10.3 9.8 14.6

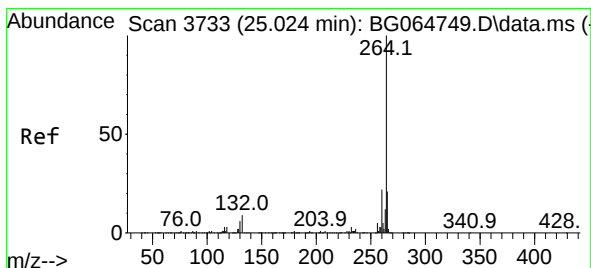
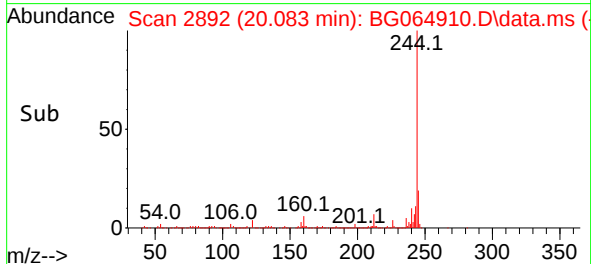
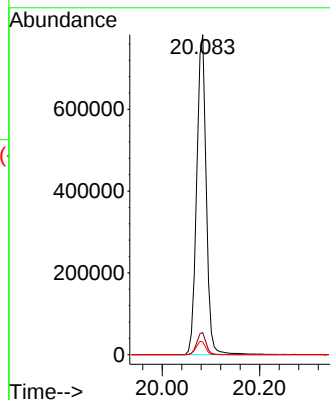
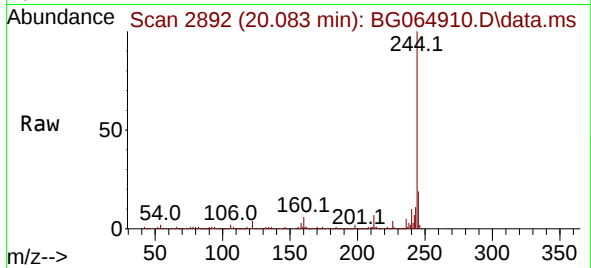




#79
Terphenyl-d14
Concen: 97.714 ng
RT: 20.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

Instrument :
BNA_G
ClientSampleId :
72-11966

Tgt Ion:244 Resp: 1072338
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 4.0 4.3 6.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3727
Delta R.T. -0.035 min
Lab File: BG064910.D
Acq: 9 Dec 2025 18:22

Tgt Ion:264 Resp: 225824
Ion Ratio Lower Upper
264 100
260 21.9 17.2 25.8
265 22.7 16.6 25.0

