

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064669.D
 Acq On : 31 Oct 2025 23:45
 Operator : RC/JU
 Sample : Q3499-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 00:21:46 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)

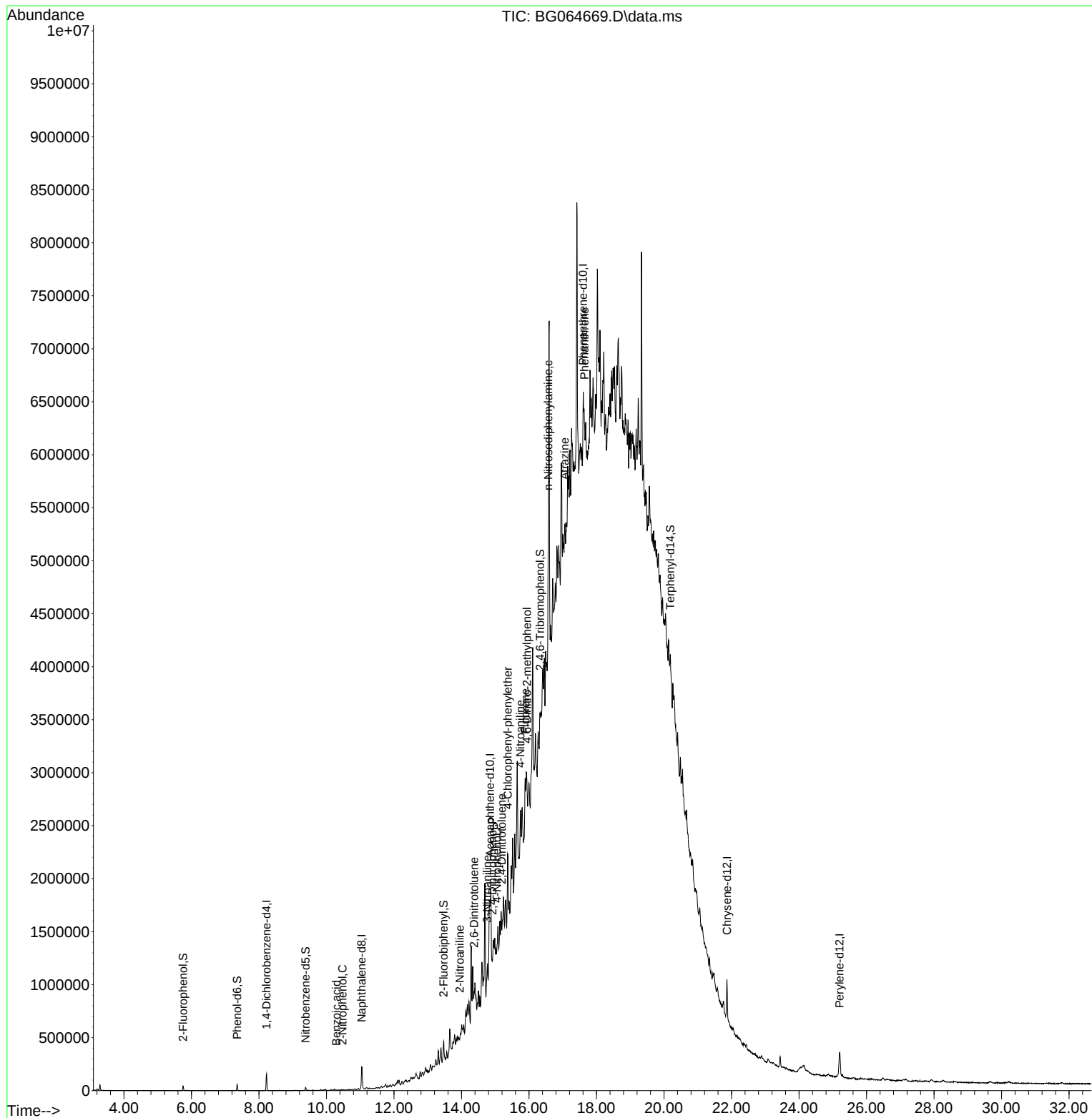
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	45541	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	174012	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	120092	20.000	ng	0.00
64) Phenanthrene-d10	17.600	188	205871	20.000	ng	# 0.02
76) Chrysene-d12	21.866	240	256123	20.000	ng	0.00
86) Perylene-d12	25.203	264	303423	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	18611	6.859	ng	0.00
7) Phenol-d6	7.353	99	25256	6.784	ng	0.00
23) Nitrobenzene-d5	9.380	82	17213	5.941	ng	0.00
42) 2,4,6-Tribromophenol	16.331	330	13596	7.844	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	49435	6.239	ng	0.00
79) Terphenyl-d14	20.185	244	79955	5.891	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.473	139	61	3.178	ng	# 1
32) Benzoic acid	10.291	122	57	6.952	ng	# 1
48) 2-Nitroaniline	13.951	65	1362	3.812	ng	# 61
51) 2,6-Dinitrotoluene	14.374	165	10298	9.533	ng	# 27
53) 3-Nitroaniline	14.762	138	7860	4.977	ng	# 21
54) 2,4-Dinitrophenol	14.921	184	277	5.849	ng	# 1
56) 4-Nitrophenol	15.050	139	7100	4.849	ng	# 1
57) 2,4-Dinitrotoluene	15.191	165	2758	4.153	ng	# 46
58) Fluorene	15.890	166	23661	2.698	ng	# 33
61) 4-Chlorophenyl-phenyle...	15.367	204	19884	4.041	ng	92
62) 4-Nitroaniline	15.743	138	17207	9.794	ng	97
65) 4,6-Dinitro-2-methylph...	15.943	198	3805	9.152	ng	# 1
66) n-Nitrosodiphenylamine	16.572	169	97478	17.529	ng	88
69) Atrazine	17.059	200	19585	8.184	ng	# 1
71) Phenanthrene	17.647	178	115319	10.243	ng	# 48

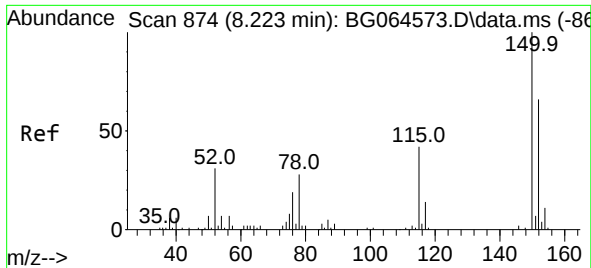
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
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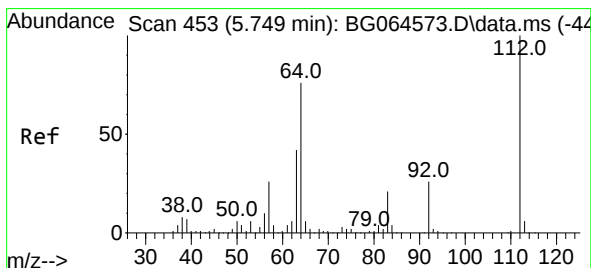
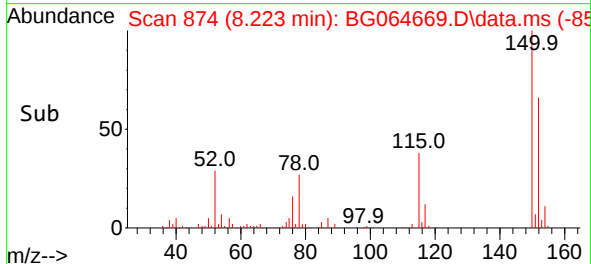
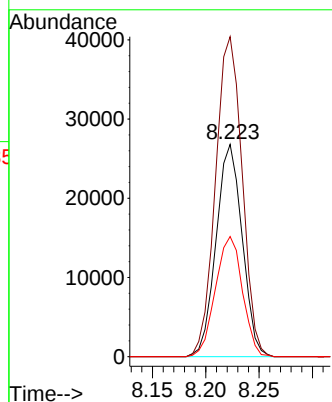
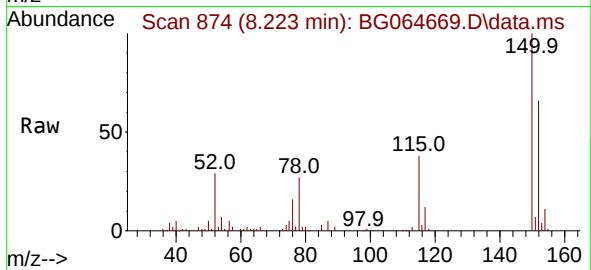




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

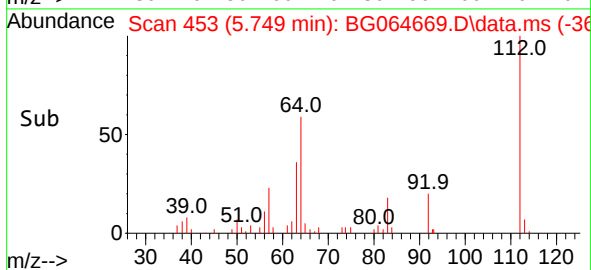
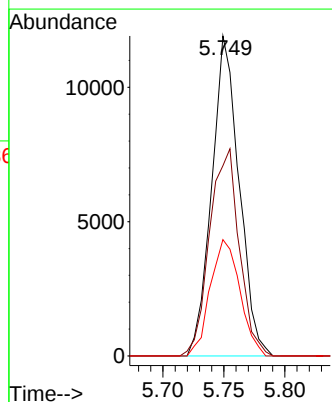
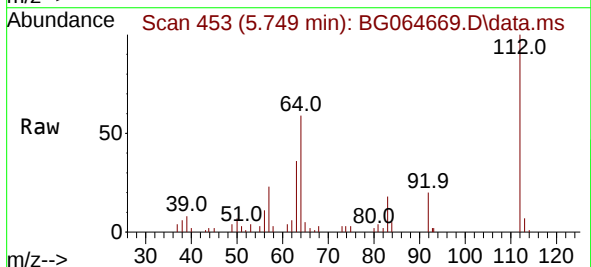
Instrument :
BNA_G
ClientSampleId :

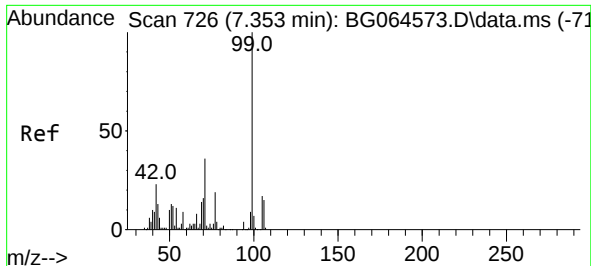
Tgt Ion:152 Resp: 45541
Ion Ratio Lower Upper
152 100
150 150.7 122.2 183.4
115 56.6 50.8 76.2



#5
2-Fluorophenol
Concen: 6.859 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

Tgt Ion:112 Resp: 18611
Ion Ratio Lower Upper
112 100
64 59.5 60.7 91.1#
63 36.4 33.4 50.0

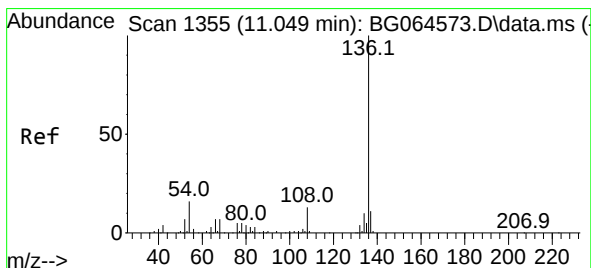
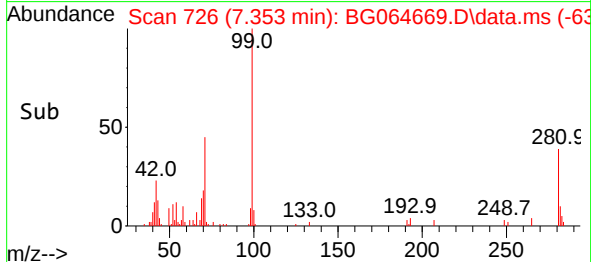
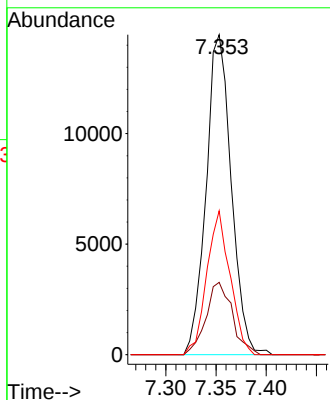
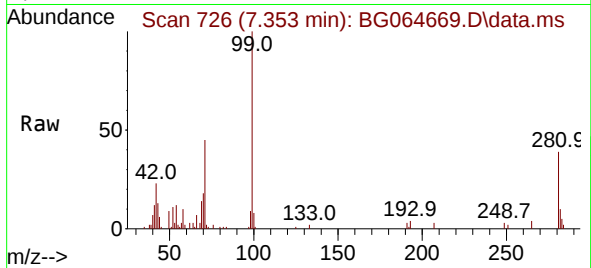




#7
Phenol-d6
Concen: 6.784 ng
RT: 7.353 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

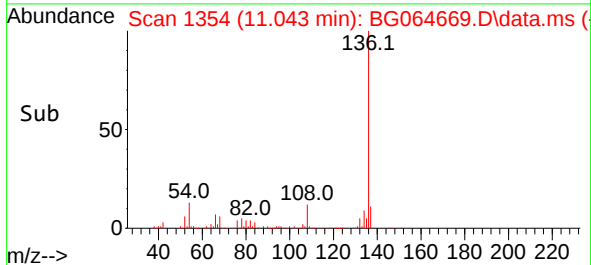
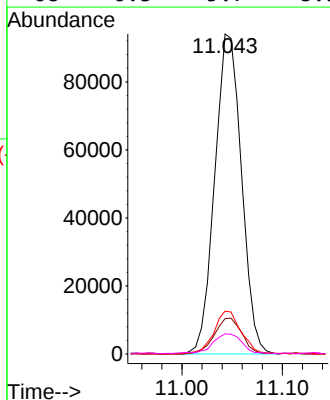
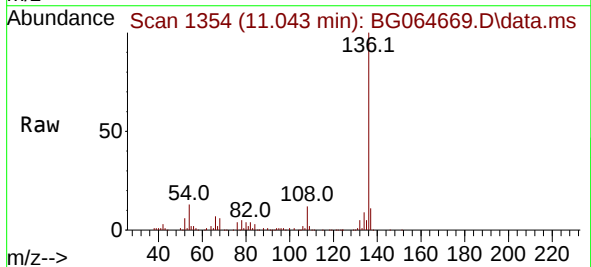
Instrument :
BNA_G
ClientSampleId :

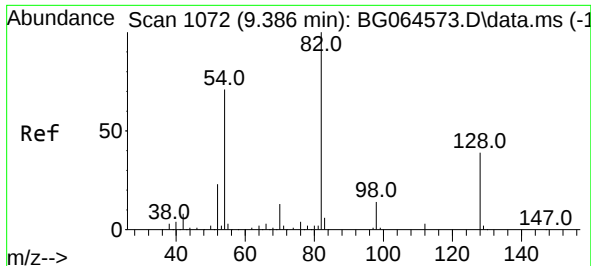
Tgt Ion: 99 Resp: 25256
Ion Ratio Lower Upper
99 100
42 22.6 18.3 27.5
71 45.0 28.6 43.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.010 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

Tgt Ion:136 Resp: 174012
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 13.4 12.6 19.0
68 6.3 5.7 8.5





#23

Nitrobenzene-d5

Concen: 5.941 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.010 min

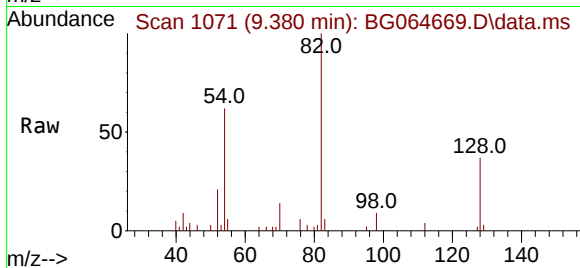
Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

Instrument :

BNA_G

ClientSampleId :



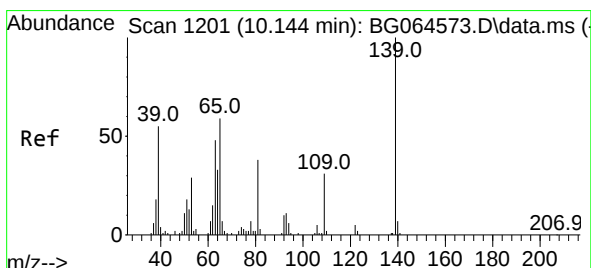
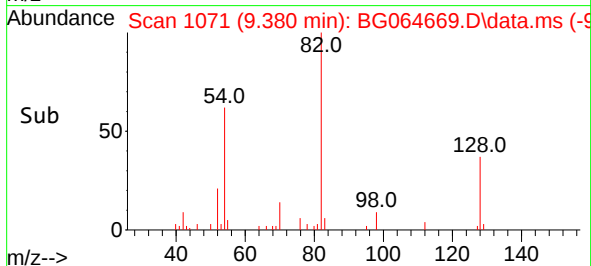
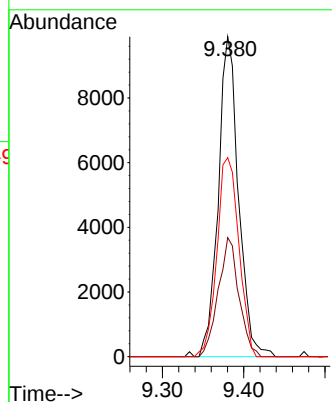
Tgt Ion: 82 Resp: 17213

Ion Ratio Lower Upper

82 100

128 37.2 31.3 46.9

54 62.2 56.6 84.8



#26

2-Nitrophenol

Concen: 3.178 ng

RT: 10.473 min Scan# 1257

Delta R.T. 0.325 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

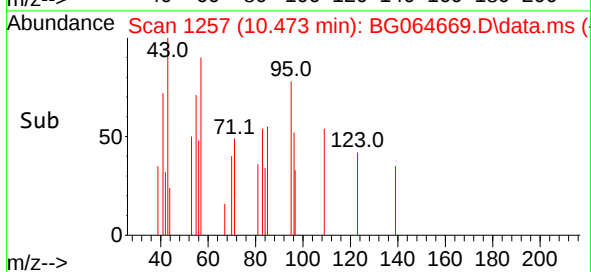
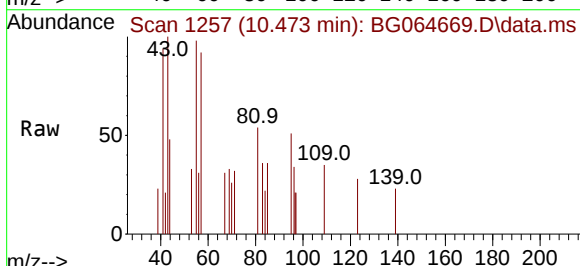
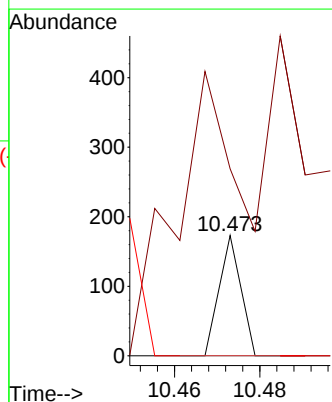
Tgt Ion:139 Resp: 61

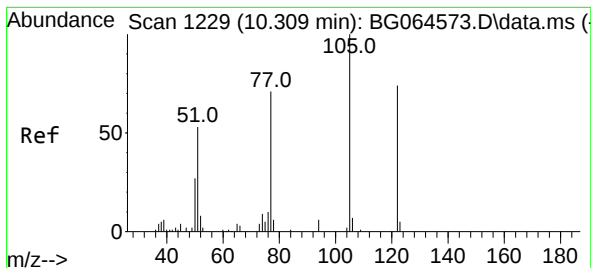
Ion Ratio Lower Upper

139 100

109 155.5 24.6 37.0#

65 0.0 47.5 71.3#





#32

Benzoic acid

Concen: 6.952 ng

RT: 10.291 min Scan# 1226

Delta R.T. -0.051 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

Instrument :

BNA_G

ClientSampleId :

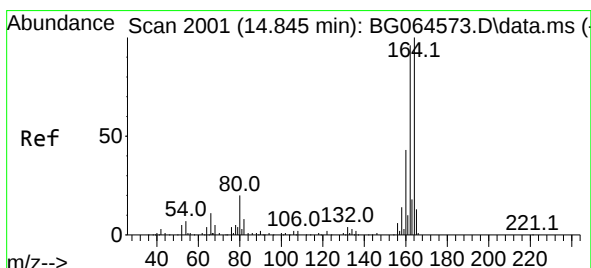
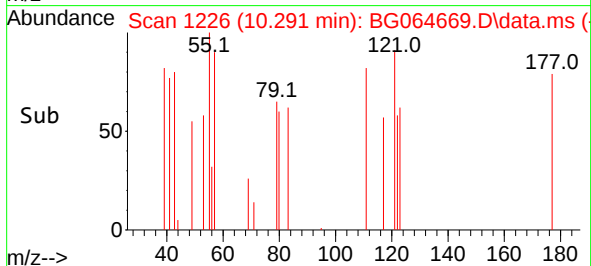
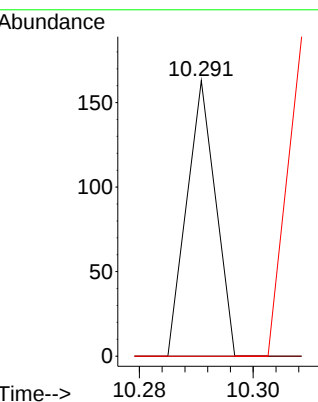
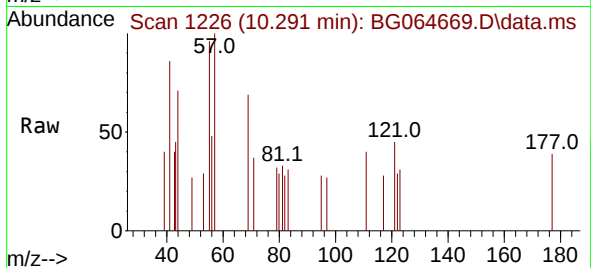
Tgt Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 104.2 144.2#

77 0.0 70.2 110.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 2001

Delta R.T. 0.002 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

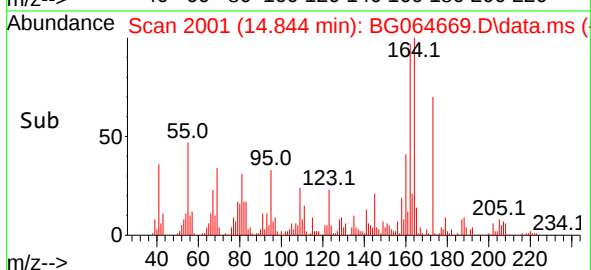
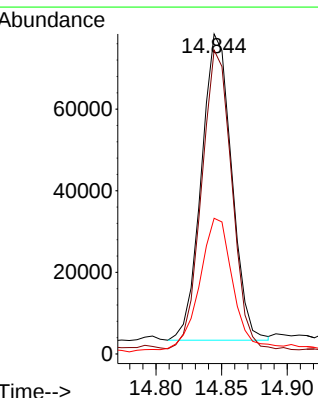
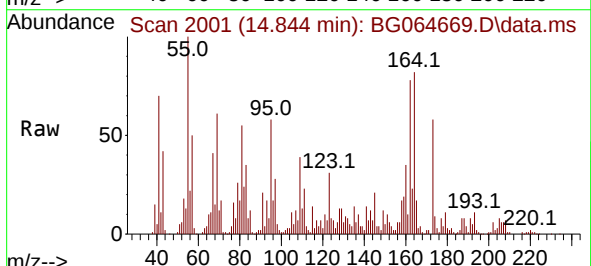
Tgt Ion:164 Resp: 120092

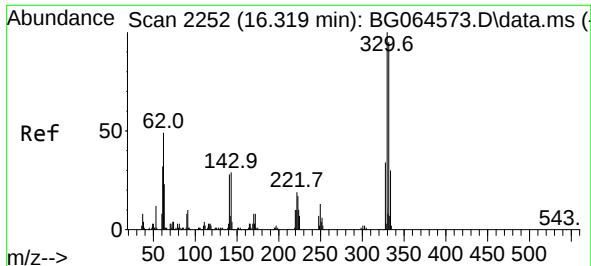
Ion Ratio Lower Upper

164 100

162 95.0 77.0 115.6

160 42.4 34.4 51.6

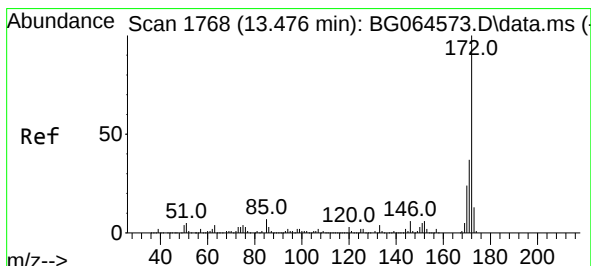
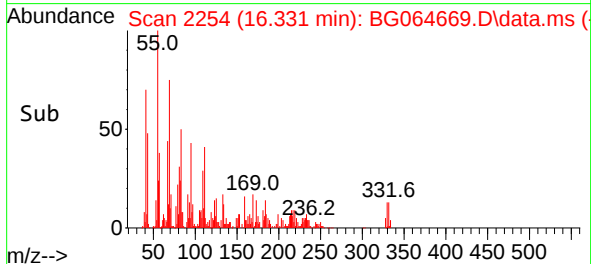
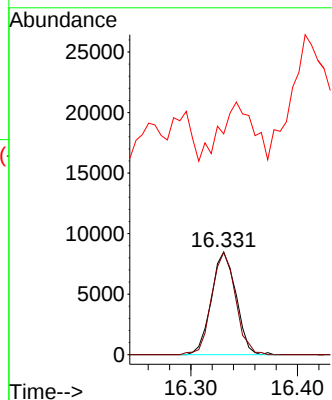
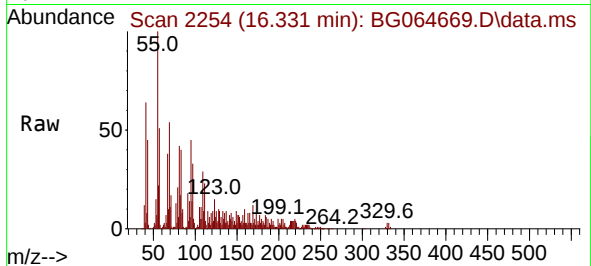




#42
2,4,6-Tribromophenol
Concen: 7.844 ng
RT: 16.331 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

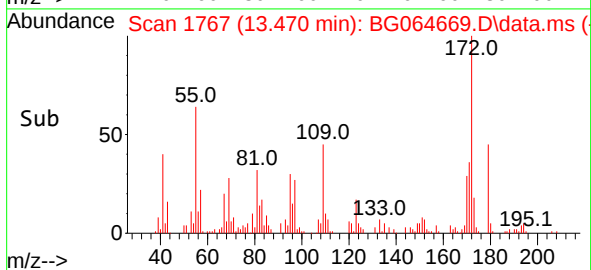
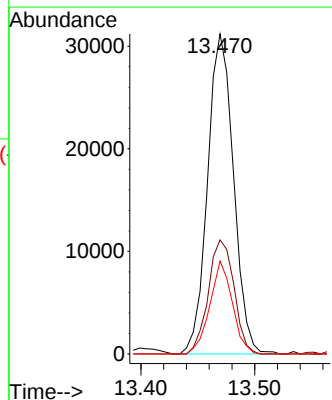
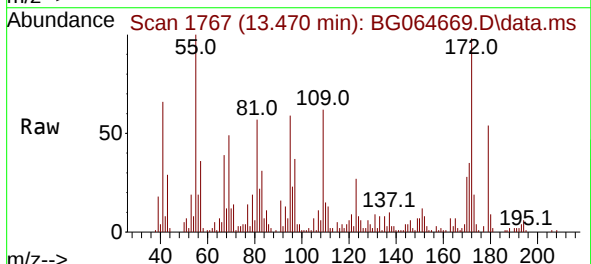
Instrument :
BNA_G
ClientSampleId :

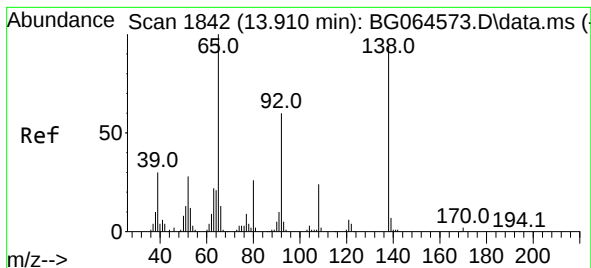
Tgt Ion:330 Resp: 13596
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 65.5 21.8 32.6#



#45
2-Fluorobiphenyl
Concen: 6.239 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

Tgt Ion:172 Resp: 49435
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 29.0 19.1 28.7#





#48

2-Nitroaniline

Concen: 3.812 ng

RT: 13.951 min Scan# 1

Delta R.T. 0.037 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

Instrument :

BNA_G

ClientSampleId :

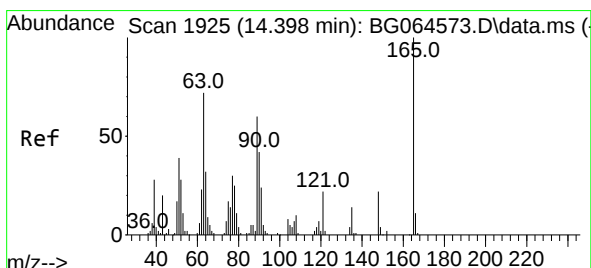
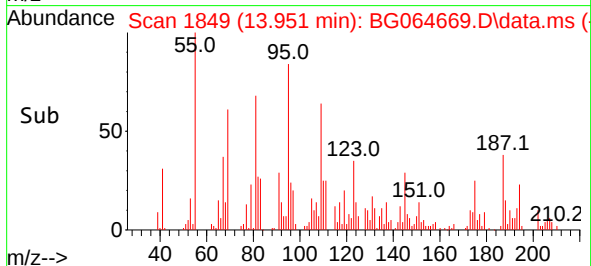
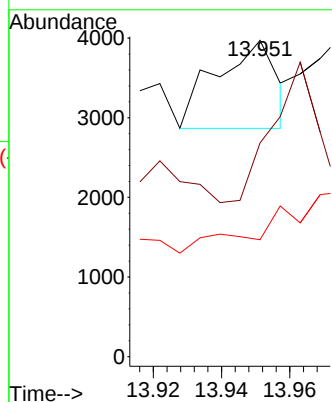
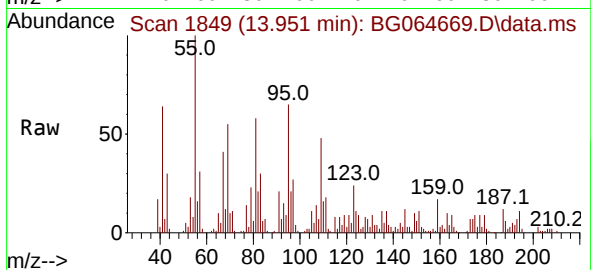
Tgt Ion: 65 Resp: 1362

Ion Ratio Lower Upper

65 100

92 67.6 48.3 72.5

138 37.0 74.9 112.3#



#51

2,6-Dinitrotoluene

Concen: 9.533 ng

RT: 14.374 min Scan# 1921

Delta R.T. -0.028 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

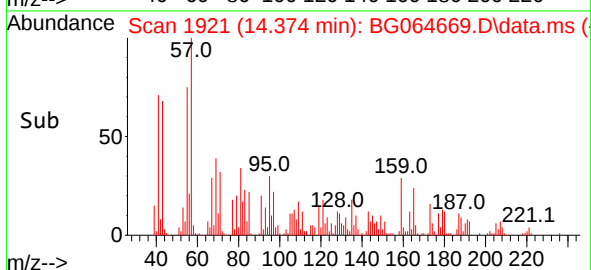
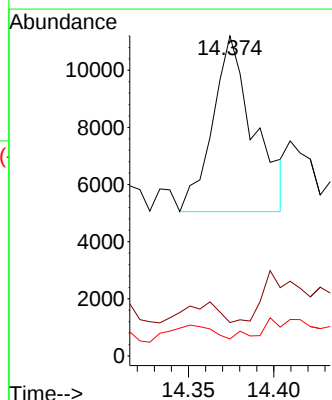
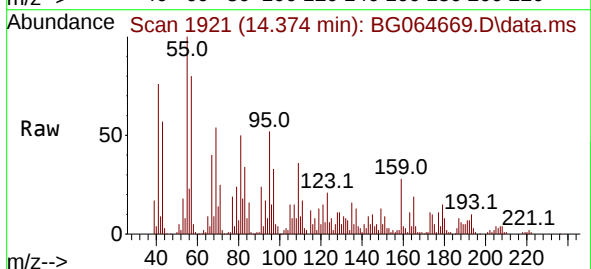
Tgt Ion:165 Resp: 10298

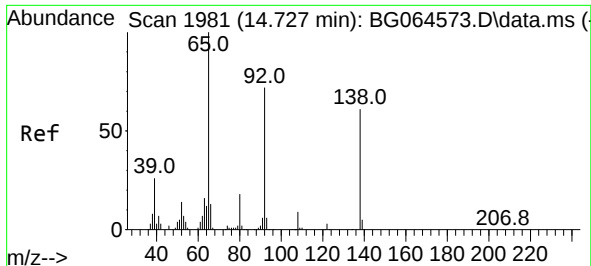
Ion Ratio Lower Upper

165 100

63 10.4 57.4 86.0#

89 5.3 47.8 71.8#

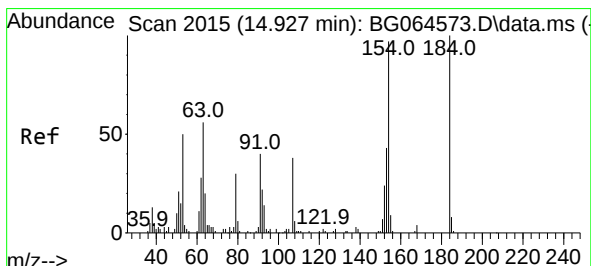
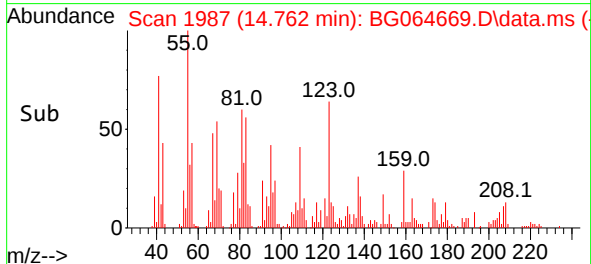
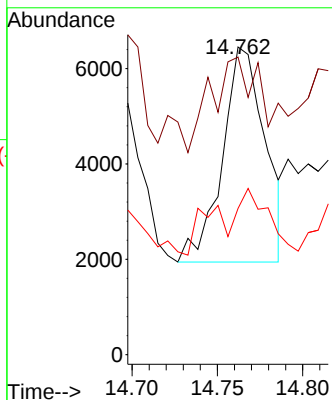
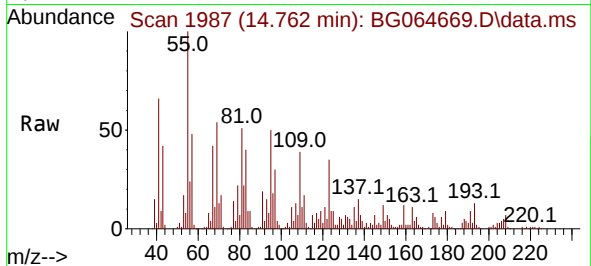




#53
3-Nitroaniline
Concen: 4.977 ng
RT: 14.762 min Scan# 1981
Delta R.T. 0.032 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

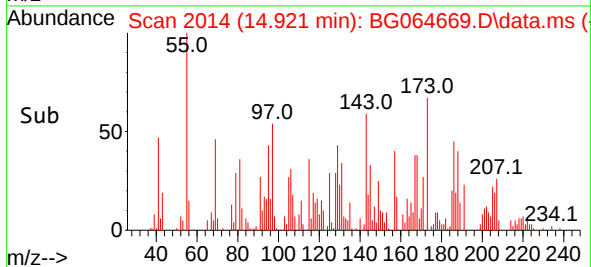
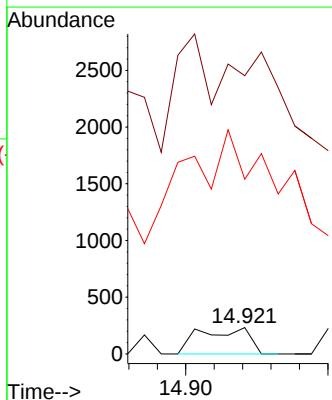
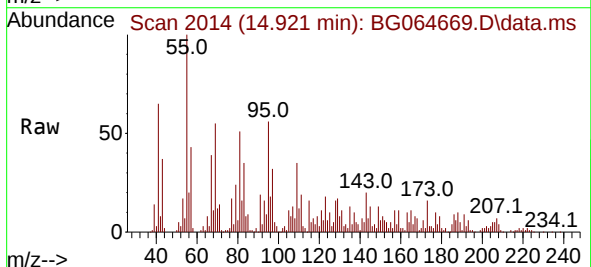
Instrument :
BNA_G
ClientSampleId :

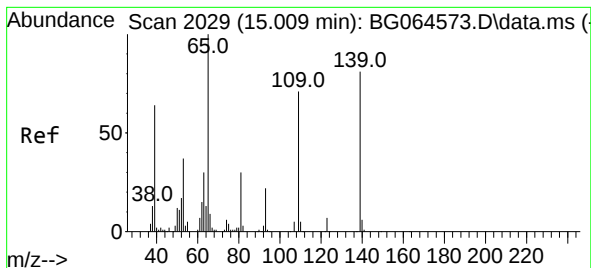
Tgt Ion:138 Resp: 7860
Ion Ratio Lower Upper
138 100
108 96.7 11.4 17.0#
92 47.6 95.3 142.9#



#54
2,4-Dinitrophenol
Concen: 5.849 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.009 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

Tgt Ion:184 Resp: 277
Ion Ratio Lower Upper
184 100
63 1052.8 56.6 85.0#
154 660.9 158.6 238.0#

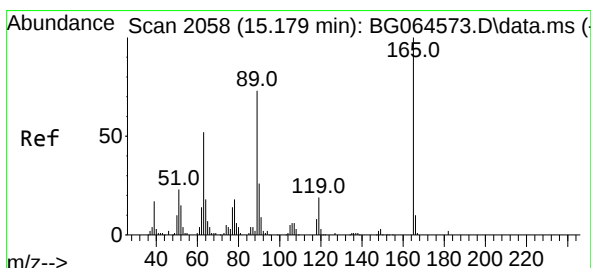
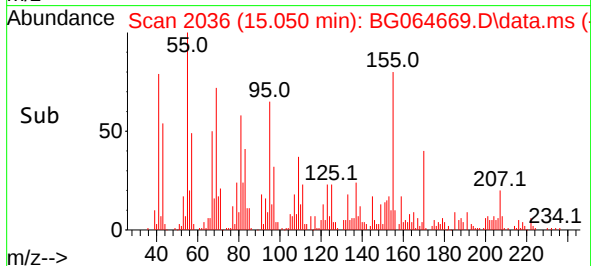
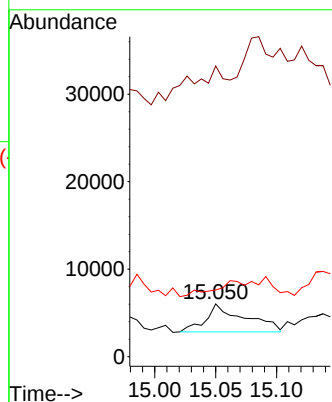
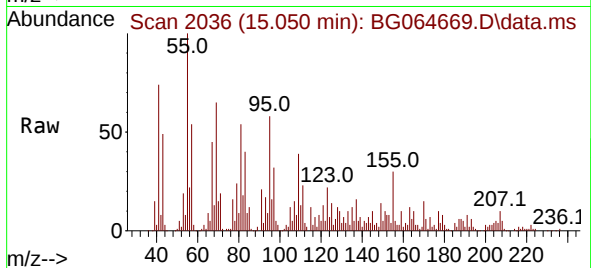




#56
4-Nitrophenol
Concen: 4.849 ng
RT: 15.050 min Scan# 2036
Delta R.T. 0.032 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

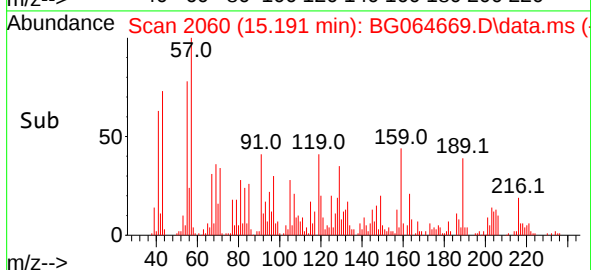
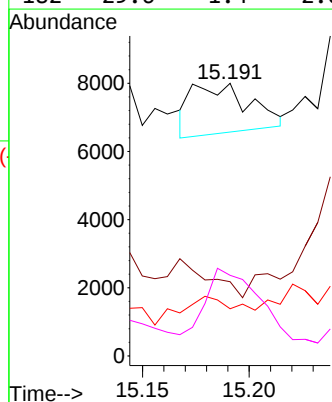
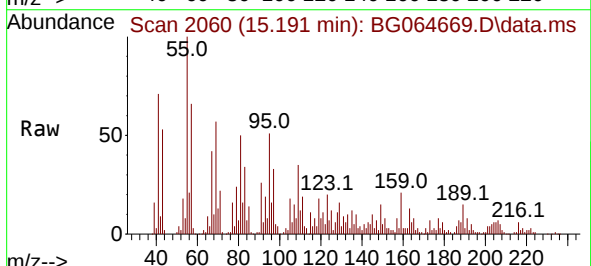
Instrument :
BNA_G
ClientSampleId :

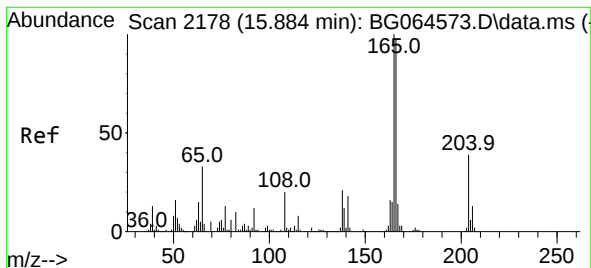
Tgt Ion:139 Resp: 7100
Ion Ratio Lower Upper
139 100
109 549.7 67.8 107.8#
65 126.1 103.7 143.7



#57
2,4-Dinitrotoluene
Concen: 4.153 ng
RT: 15.191 min Scan# 2060
Delta R.T. 0.002 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

Tgt Ion:165 Resp: 2758
Ion Ratio Lower Upper
165 100
63 27.2 41.8 62.8#
89 17.3 58.1 87.1#
182 29.6 1.4 2.0#





#58

Fluorene

Concen: 2.698 ng

RT: 15.890 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

Instrument :

BNA_G

ClientSampleId :

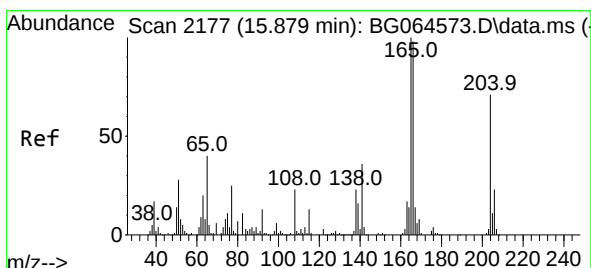
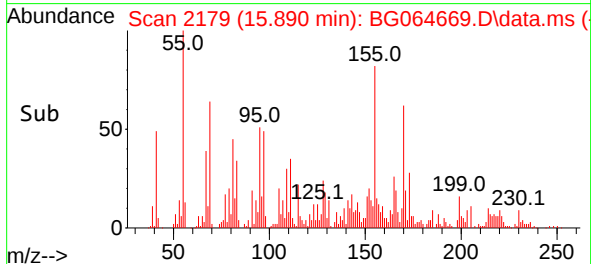
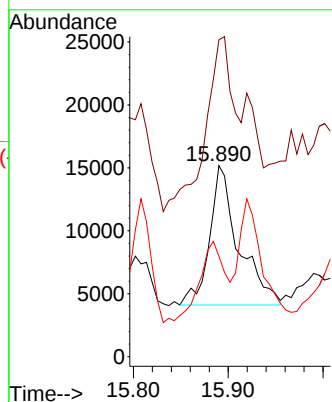
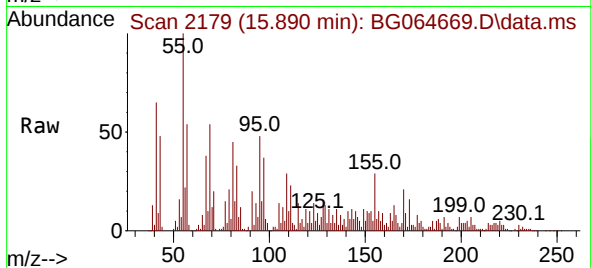
Tgt Ion:166 Resp: 23661

Ion Ratio Lower Upper

166 100

165 165.9 81.5 122.3#

167 52.6 11.4 17.0#



#61

4-Chlorophenyl-phenylether

Concen: 4.041 ng

RT: 15.367 min Scan# 2090

Delta R.T. -0.509 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

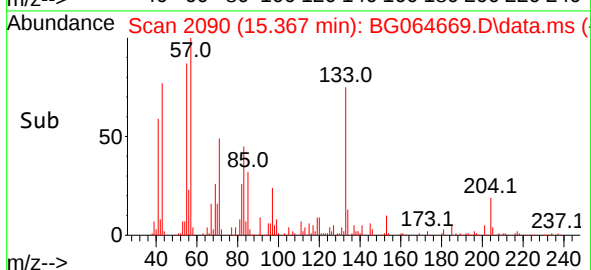
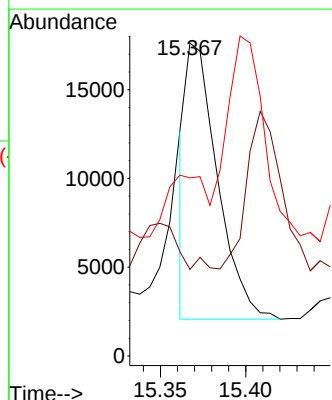
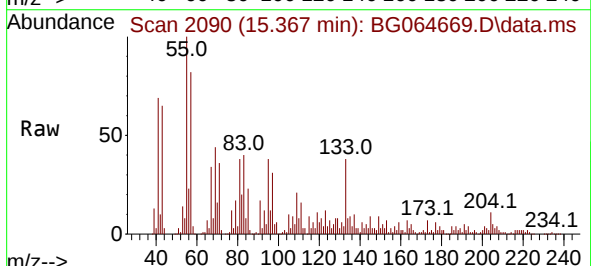
Tgt Ion:204 Resp: 19884

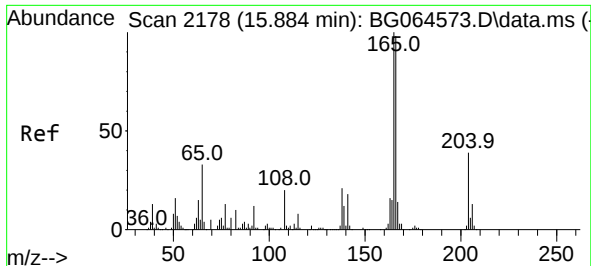
Ion Ratio Lower Upper

204 100

206 27.7 25.6 38.4

141 56.9 40.6 60.8

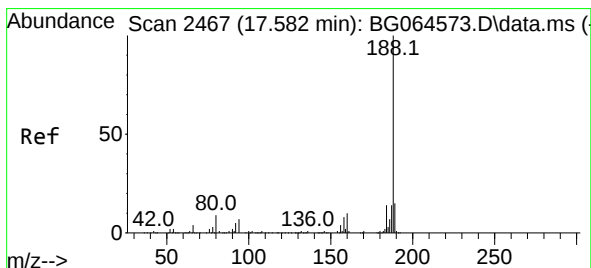
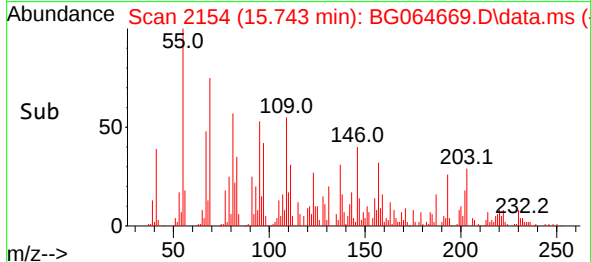
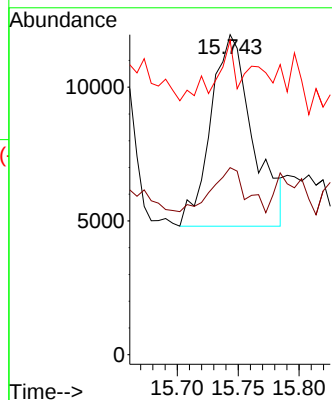
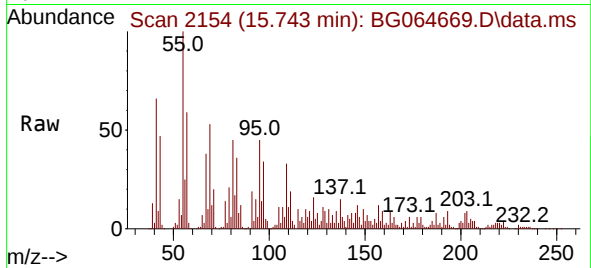




#62
4-Nitroaniline
Concen: 9.794 ng
RT: 15.743 min Scan# 2178
Delta R.T. -0.151 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

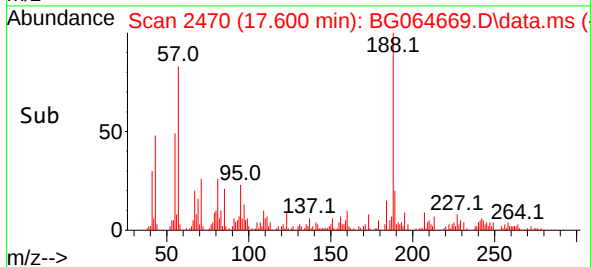
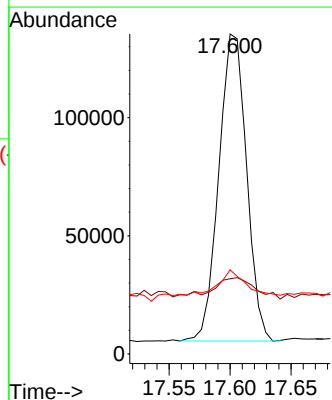
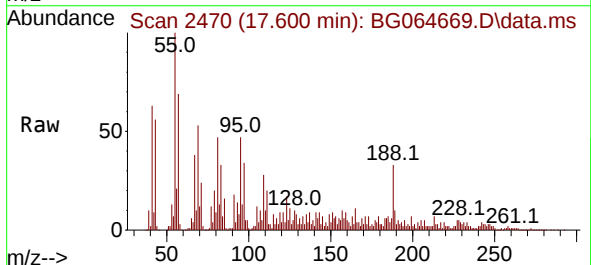
Instrument :
BNA_G
ClientSampleId :

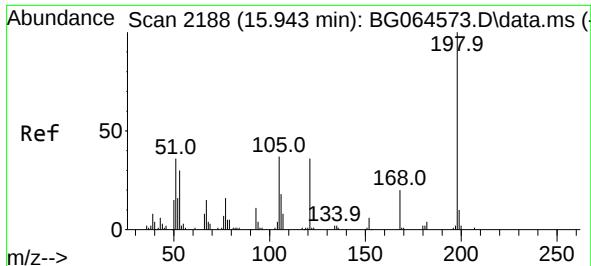
Tgt Ion:138 Resp: 17207
Ion Ratio Lower Upper
138 100
92 58.4 36.1 76.1
108 98.2 75.6 115.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.600 min Scan# 2470
Delta R.T. 0.020 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

Tgt Ion:188 Resp: 205871
Ion Ratio Lower Upper
188 100
94 23.5 5.7 8.5#
80 26.3 6.8 10.2#

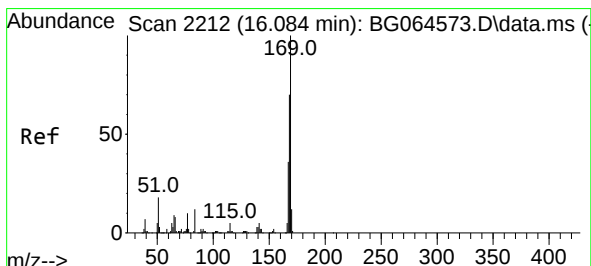
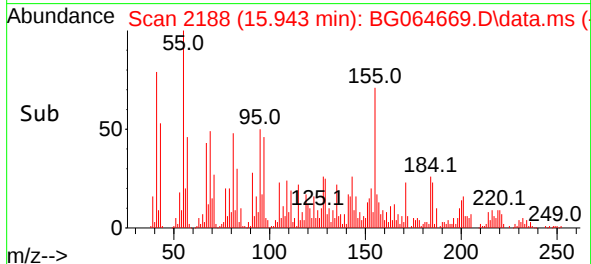
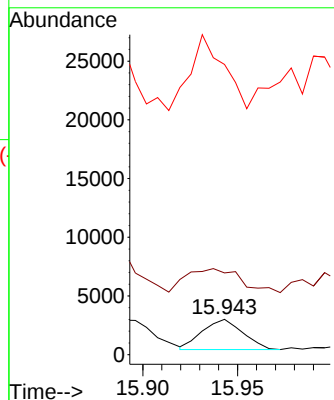
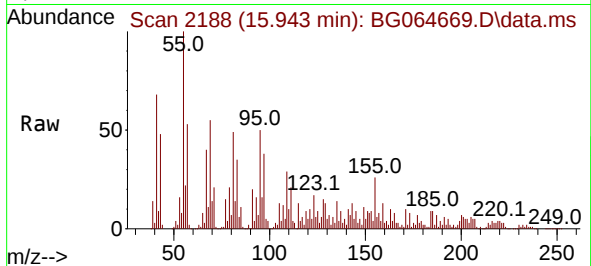




#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.152 ng
 RT: 15.943 min Scan# 2188
 Delta R.T. -0.004 min
 Lab File: BG064669.D
 Acq: 31 Oct 2025 23:45

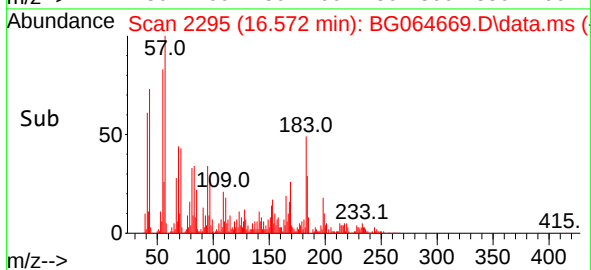
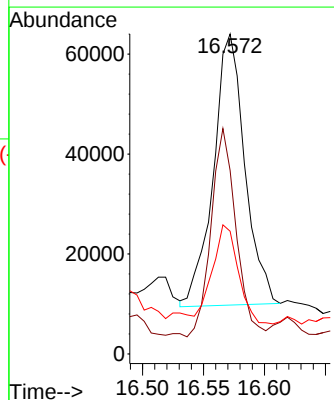
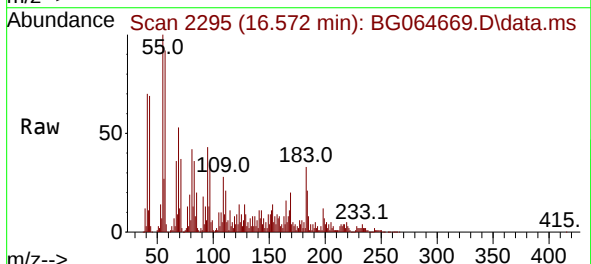
Instrument :
 BNA_G
 ClientSampleId :

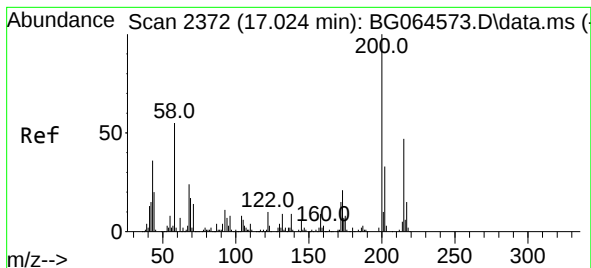
Tgt Ion:198 Resp: 3805
 Ion Ratio Lower Upper
 198 100
 51 231.1 24.7 64.7#
 105 819.6 18.0 58.0#



#66
 n-Nitrosodiphenylamine
 Concen: 17.529 ng
 RT: 16.572 min Scan# 2295
 Delta R.T. 0.484 min
 Lab File: BG064669.D
 Acq: 31 Oct 2025 23:45

Tgt Ion:169 Resp: 97478
 Ion Ratio Lower Upper
 169 100
 168 57.3 56.3 84.5
 167 38.4 29.0 43.6





#69

Atrazine

Concen: 8.184 ng

RT: 17.059 min Scan# 21

Delta R.T. 0.032 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

Instrument :

BNA_G

ClientSampleId :

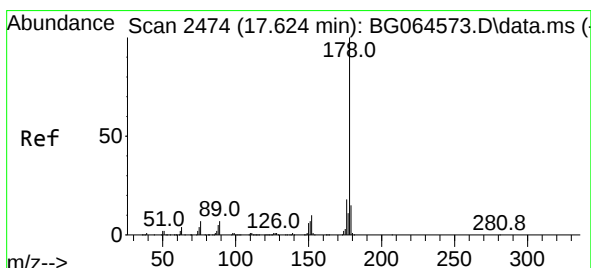
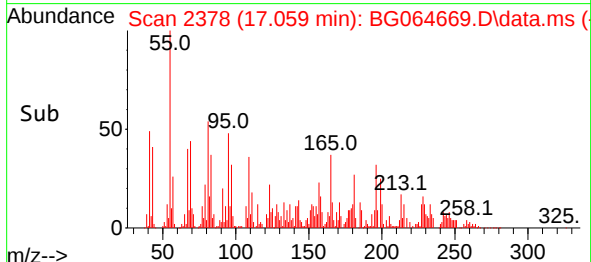
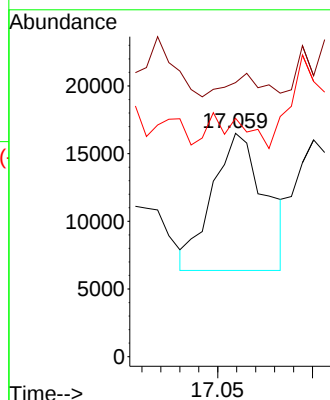
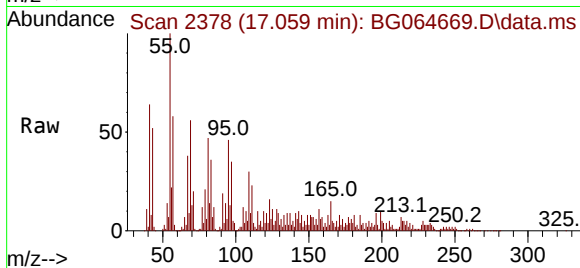
Tgt Ion:200 Resp: 19585

Ion Ratio Lower Upper

200 100

173 122.7 0.9 40.9#

215 106.7 27.0 67.0#



#71

Phenanthrene

Concen: 10.243 ng

RT: 17.647 min Scan# 2478

Delta R.T. 0.020 min

Lab File: BG064669.D

Acq: 31 Oct 2025 23:45

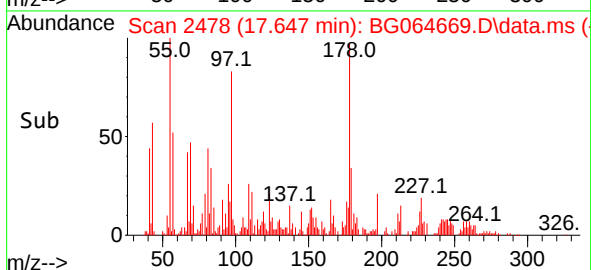
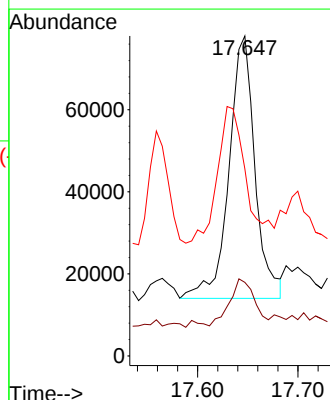
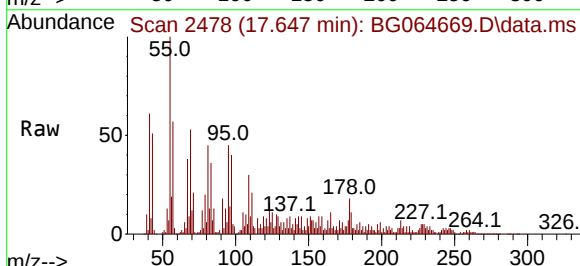
Tgt Ion:178 Resp: 115319

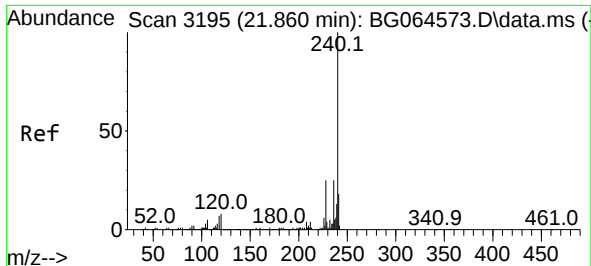
Ion Ratio Lower Upper

178 100

176 23.0 14.7 22.1#

179 58.5 12.2 18.4#

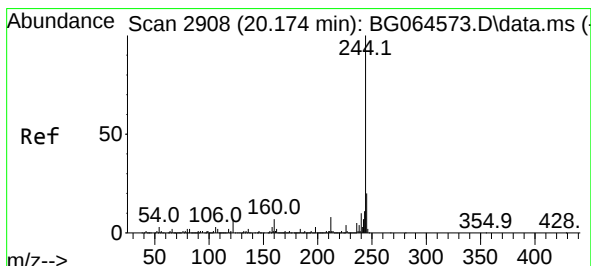
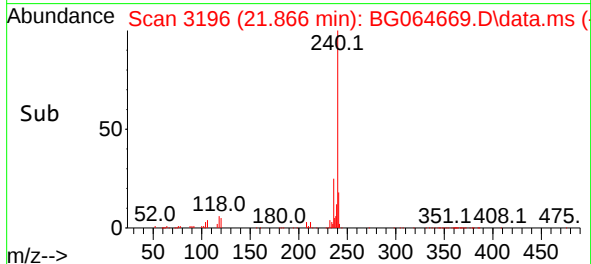
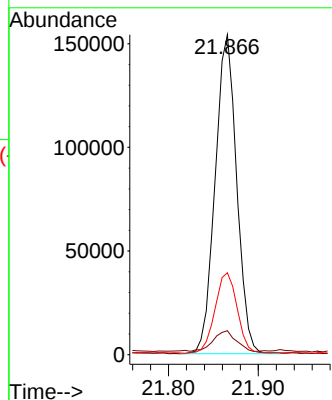
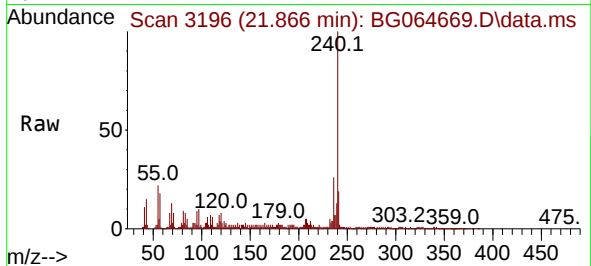




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.866 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

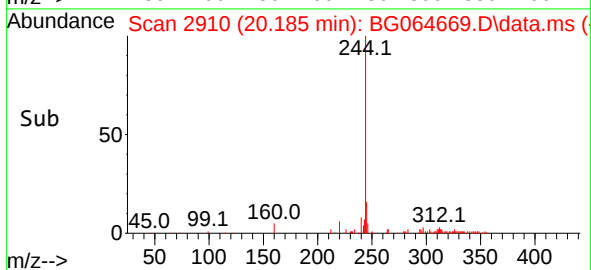
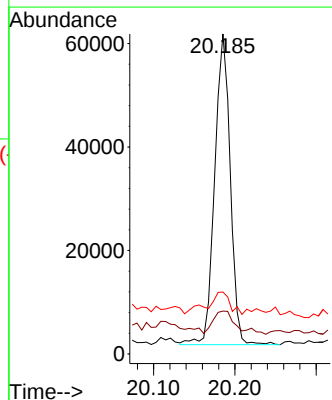
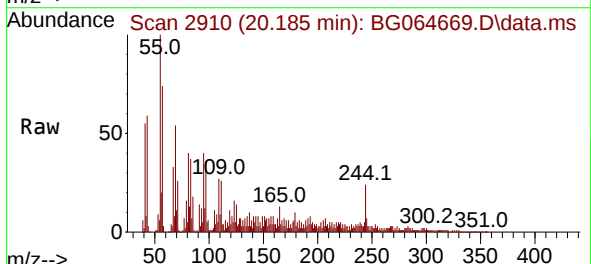
Instrument :
BNA_G
ClientSampleId :

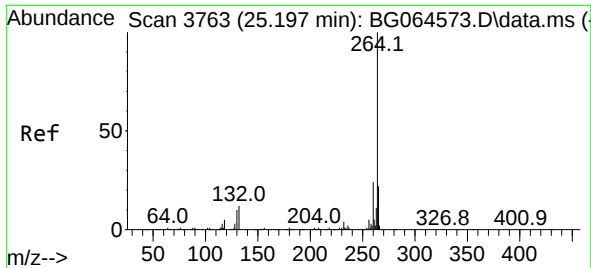
Tgt Ion:240 Resp: 256123
Ion Ratio Lower Upper
240 100
120 7.5 6.5 9.7
236 25.6 20.2 30.2



#79
Terphenyl-d14
Concen: 5.891 ng
RT: 20.185 min Scan# 2910
Delta R.T. 0.008 min
Lab File: BG064669.D
Acq: 31 Oct 2025 23:45

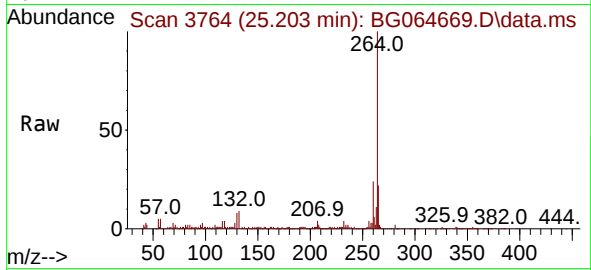
Tgt Ion:244 Resp: 79955
Ion Ratio Lower Upper
244 100
212 13.4 6.1 9.1#
122 19.4 5.6 8.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.203 min Scan# 31
 Delta R.T. 0.002 min
 Lab File: BG064669.D
 Acq: 31 Oct 2025 23:45

Instrument :
 BNA_G
 ClientSampleId :



Tgt	Ion:264	Resp:	303423
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	22.4	17.6	26.4

