

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
 Data File : BG064711.D
 Acq On : 6 Nov 2025 20:33
 Operator : RC/JU
 Sample : Q3534-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-6

Quant Time: Nov 07 00:34:32 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)

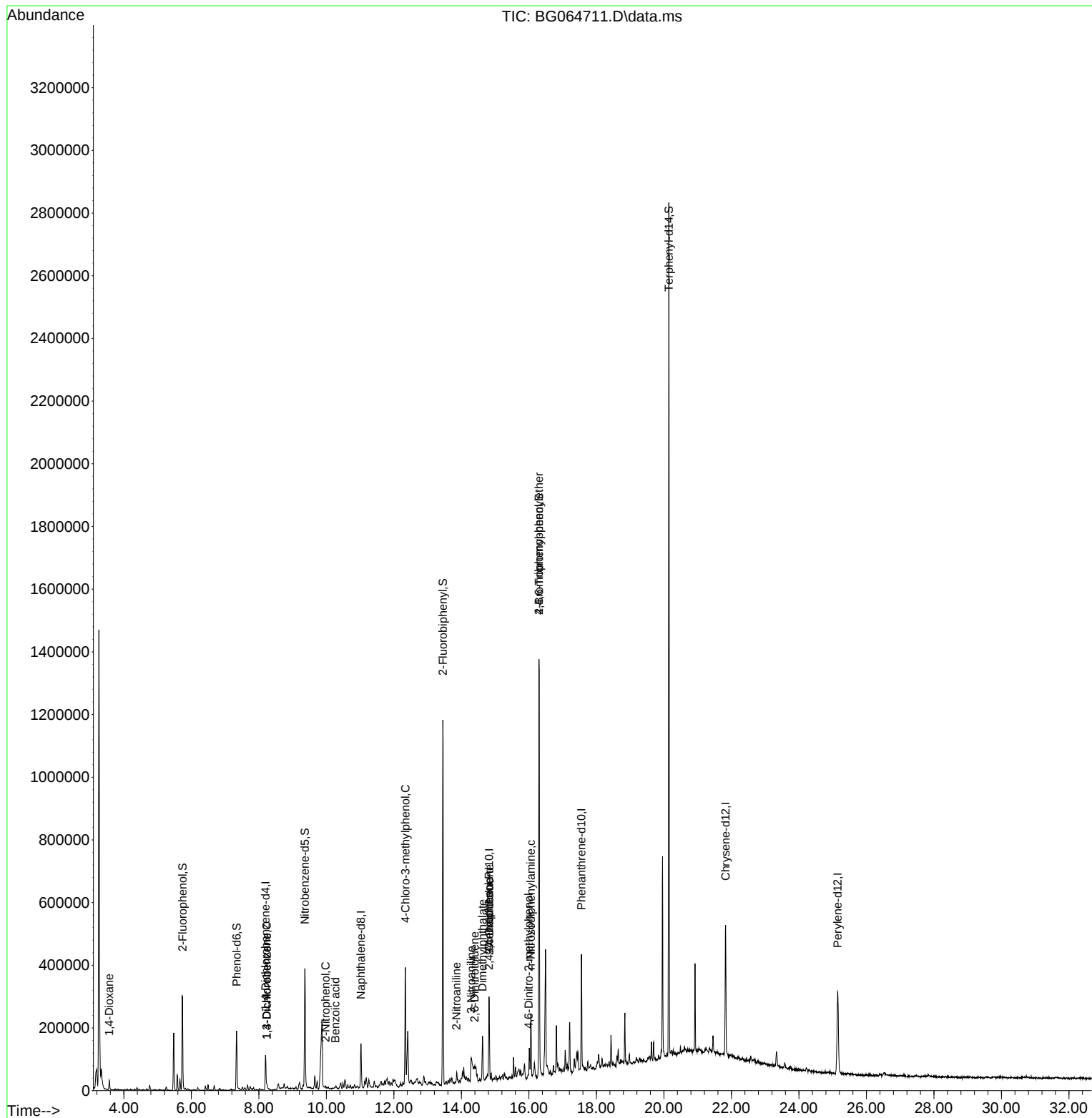
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.197	152	30988	20.000	ng	-0.03
21) Naphthalene-d8	11.023	136	121821	20.000	ng	#-0.03
39) Acenaphthene-d10	14.819	164	100117	20.000	ng	-0.03
64) Phenanthrene-d10	17.557	188	237813	20.000	ng	#-0.03
76) Chrysene-d12	21.828	240	285660	20.000	ng	#-0.03
86) Perylene-d12	25.148	264	321269	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.735	112	128027	69.347	ng	-0.01
7) Phenol-d6	7.339	99	111653	44.073	ng	-0.01
23) Nitrobenzene-d5	9.361	82	230500	113.646	ng	-0.03
42) 2,4,6-Tribromophenol	16.300	330	273023	188.945	ng	-0.02
45) 2-Fluorobiphenyl	13.450	172	621801	94.139	ng	-0.03
79) Terphenyl-d14	20.148	244	1385592	91.537	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.567	88	13278	16.245	ng	# 78
12) 1,3-Dichlorobenzene	8.232	146	7055	3.172	ng	98
13) 1,4-Dichlorobenzene	8.232	146	7055	3.120	ng	94
26) 2-Nitrophenol	9.977	139	55	3.191	ng	# 1
32) Benzoic acid	10.265	122	140	4.852	ng	# 84
36) 4-Chloro-3-methylphenol	12.339	107	93323	39.850	ng	# 22
48) 2-Nitroaniline	13.855	65	1439	3.969	ng	# 36
50) Dimethylphthalate	14.625	163	85115	11.110	ng	# 91
51) 2,6-Dinitrotoluene	14.390	165	420	3.503	ng	# 78
53) 3-Nitroaniline	14.290	138	44759	33.997	ng	# 2
54) 2,4-Dinitrophenol	14.813	184	55	5.638	ng	# 24
57) 2,4-Dinitrotoluene	14.825	165	13857	9.690	ng	# 26
65) 4,6-Dinitro-2-methylph...	15.994	198	70	5.486	ng	# 1
66) n-Nitrosodiphenylamine	16.059	169	72525	11.290	ng	100
67) 4-Bromophenyl-phenylether	16.300	248	17304	6.140	ng	# 1

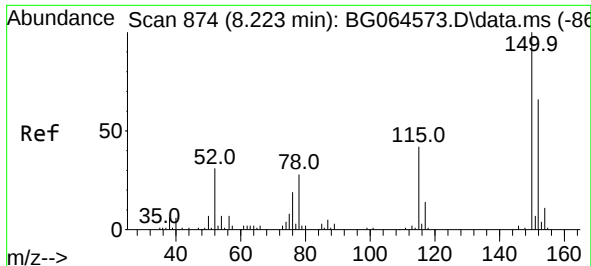
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
Data File : BG064711.D
Acq On : 6 Nov 2025 20:33
Operator : RC/JU
Sample : Q3534-01RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6

Quant Time: Nov 07 00:34:32 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

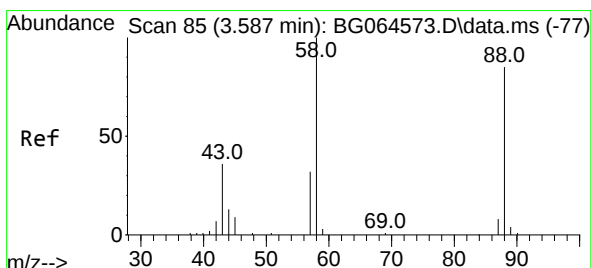
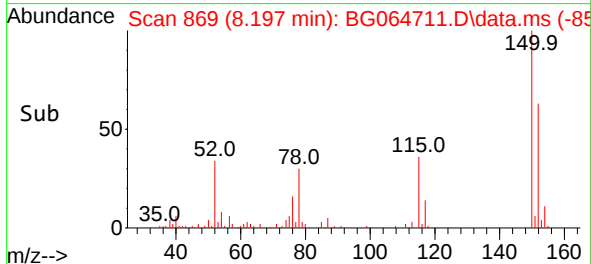
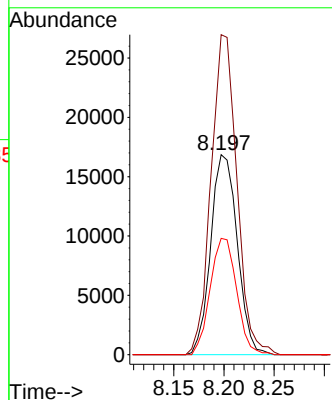
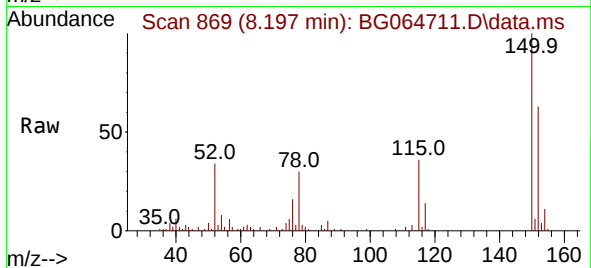




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.197 min Scan# 80
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

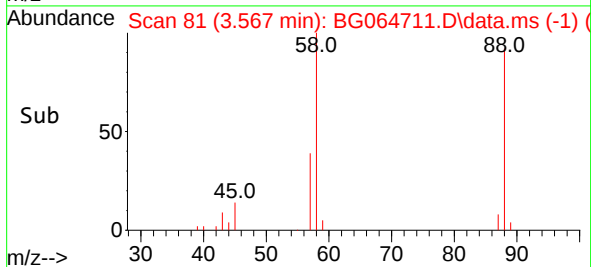
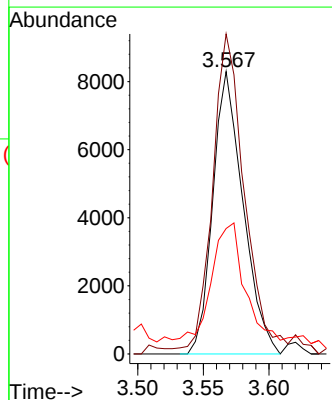
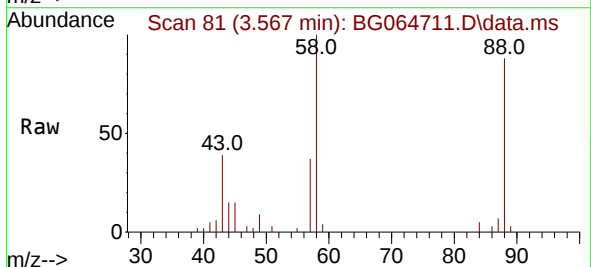
Instrument :
BNA_G
ClientSampleId :
MW-6

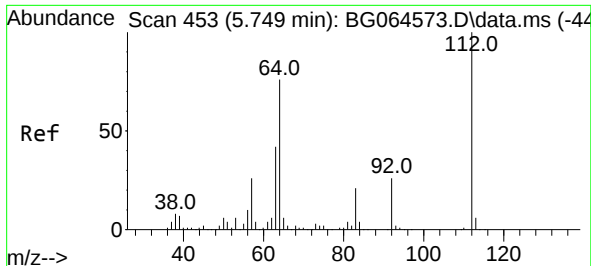
Tgt Ion:152 Resp: 30988
Ion Ratio Lower Upper
152 100
150 160.0 122.2 183.4
115 58.2 50.8 76.2



#2
1,4-Dioxane
Concen: 16.245 ng
RT: 3.567 min Scan# 81
Delta R.T. -0.020 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion: 88 Resp: 13278
Ion Ratio Lower Upper
88 100
58 123.0 92.4 138.6
43 0.0 33.0 49.6#

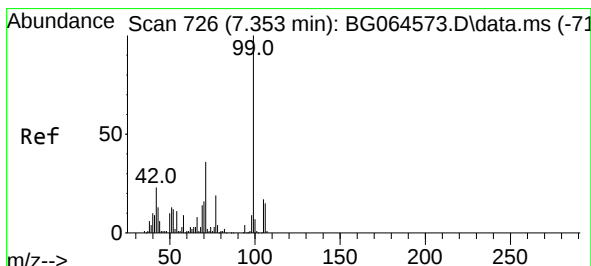
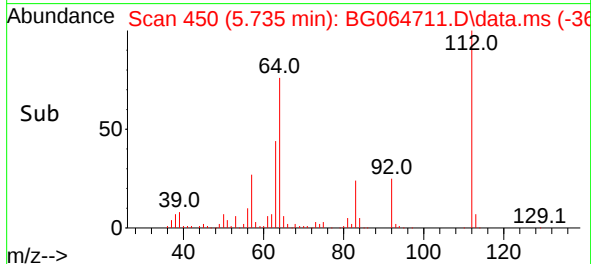
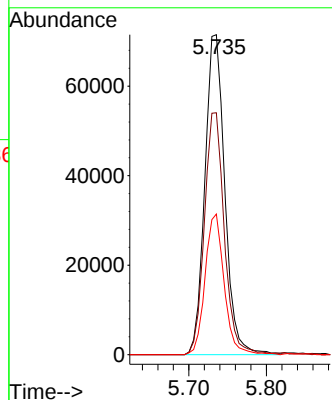
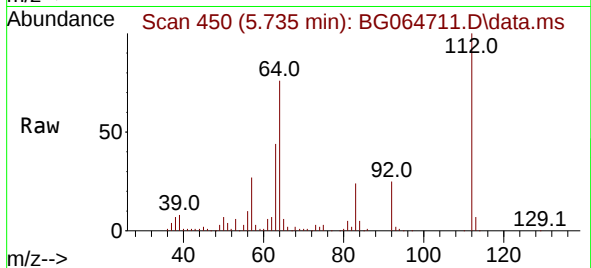




#5
2-Fluorophenol
Concen: 69.347 ng
RT: 5.735 min Scan# 411
Delta R.T. -0.014 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

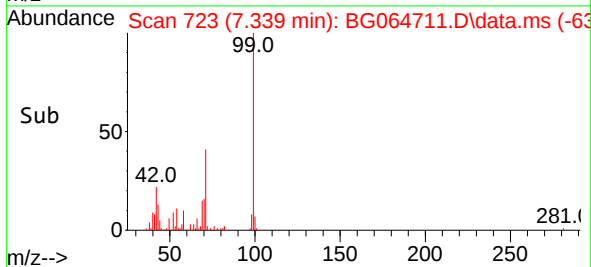
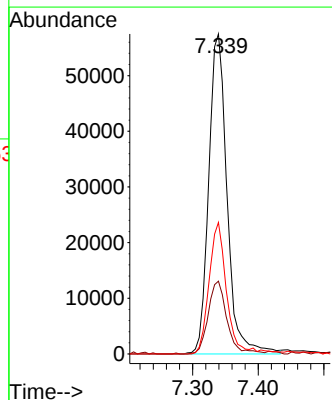
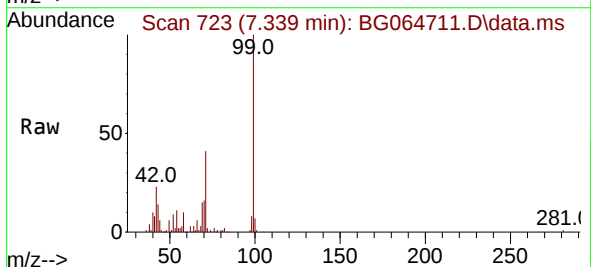
Instrument :
BNA_G
ClientSampleId :
MW-6

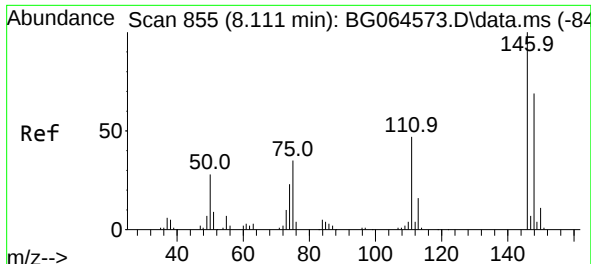
Tgt Ion:112 Resp: 128027
Ion Ratio Lower Upper
112 100
64 75.6 60.7 91.1
63 43.9 33.4 50.0



#7
Phenol-d6
Concen: 44.073 ng
RT: 7.339 min Scan# 723
Delta R.T. -0.014 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion: 99 Resp: 111653
Ion Ratio Lower Upper
99 100
42 22.8 18.3 27.5
71 41.1 28.6 43.0





#12

1,3-Dichlorobenzene

Concen: 3.172 ng

RT: 8.232 min Scan# 81

Delta R.T. 0.121 min

Lab File: BG064711.D

Acq: 6 Nov 2025 20:33

Instrument :

BNA_G

ClientSampleId :

MW-6

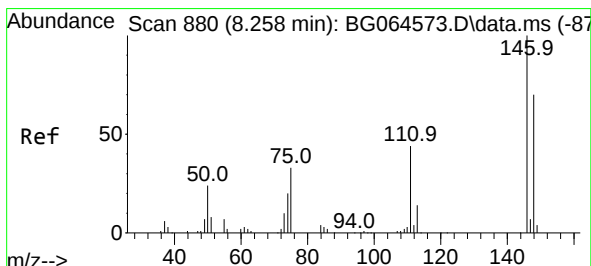
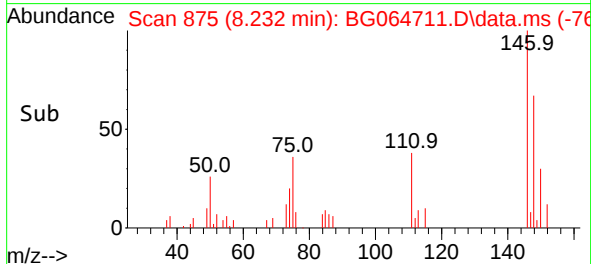
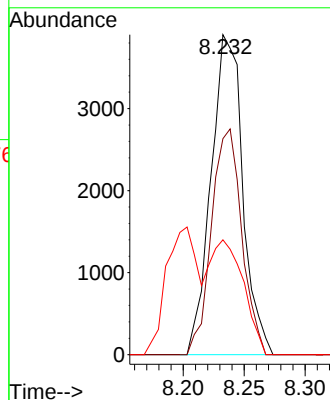
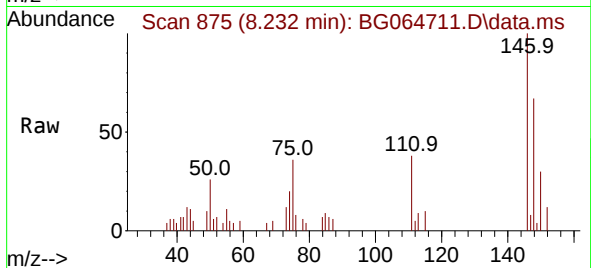
Tgt Ion:146 Resp: 7055

Ion Ratio Lower Upper

146 100

148 67.5 55.3 82.9

75 35.9 28.2 42.2



#13

1,4-Dichlorobenzene

Concen: 3.120 ng

RT: 8.232 min Scan# 875

Delta R.T. -0.026 min

Lab File: BG064711.D

Acq: 6 Nov 2025 20:33

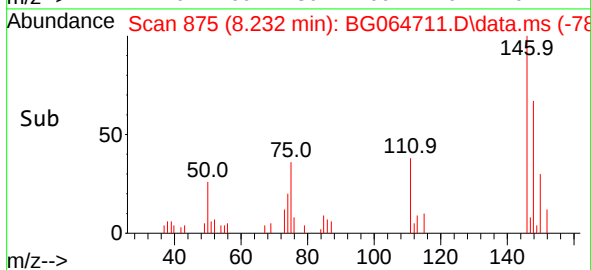
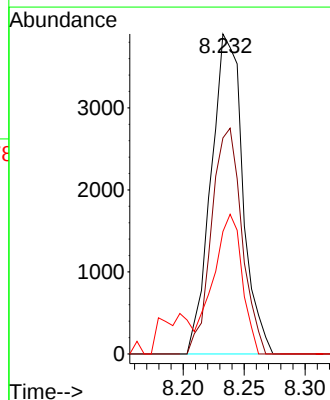
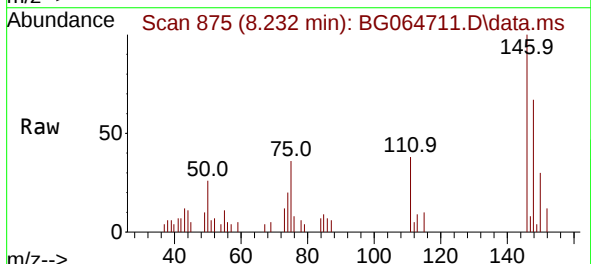
Tgt Ion:146 Resp: 7055

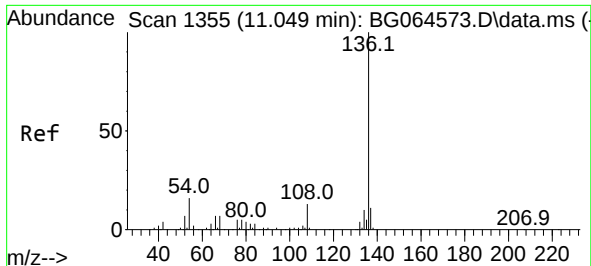
Ion Ratio Lower Upper

146 100

148 67.5 56.2 84.4

111 38.3 35.4 53.0

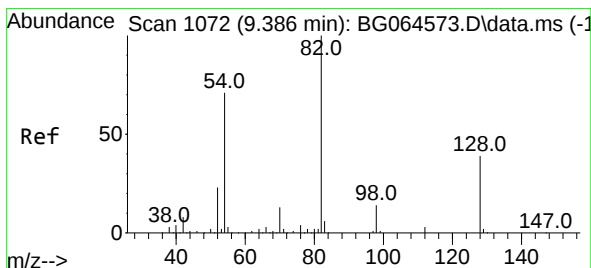
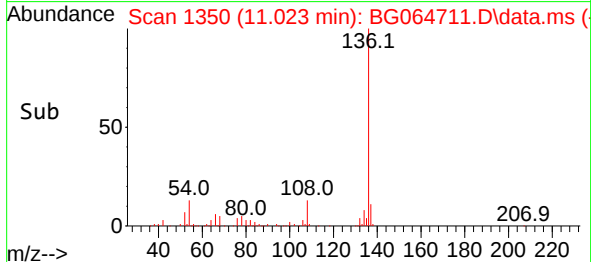
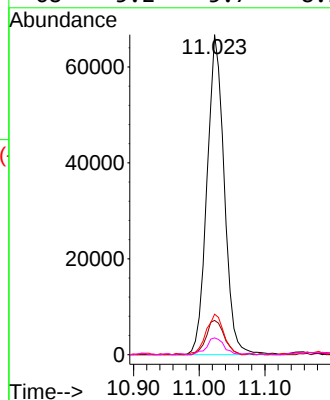
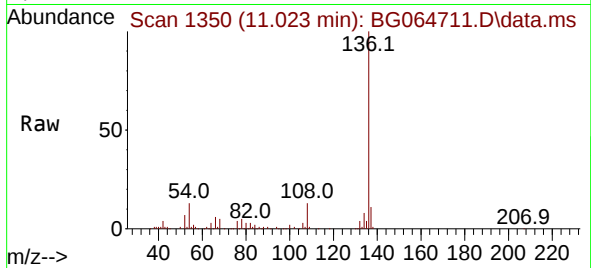




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.023 min Scan# 11
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

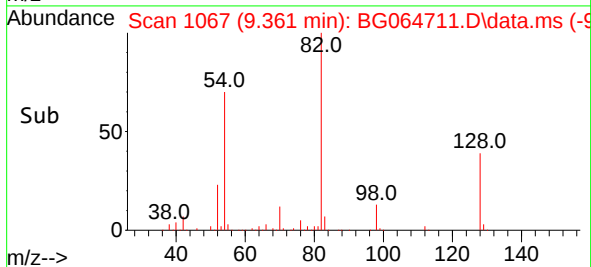
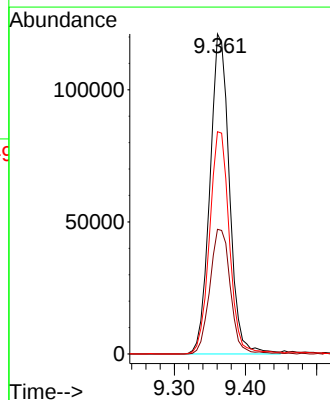
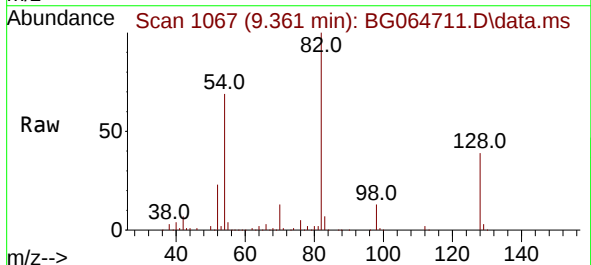
Instrument :
BNA_G
ClientSampleId :
MW-6

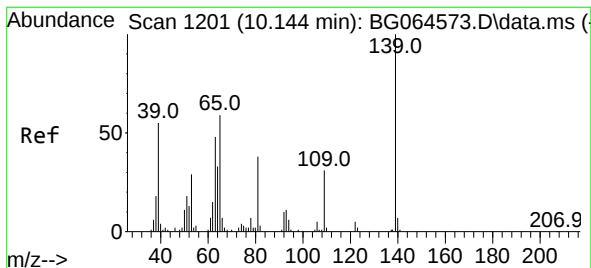
Tgt Ion:136 Resp: 121821
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 12.7 12.6 19.0
68 5.2 5.7 8.5#



#23
Nitrobenzene-d5
Concen: 113.646 ng
RT: 9.361 min Scan# 1067
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion: 82 Resp: 230500
Ion Ratio Lower Upper
82 100
128 39.0 31.3 46.9
54 69.5 56.6 84.8

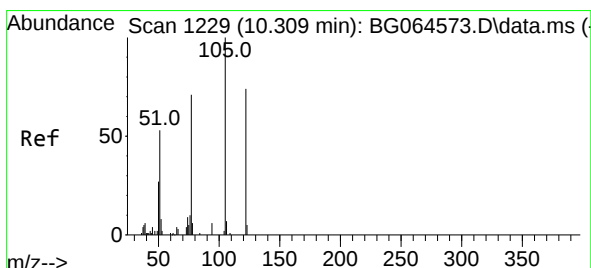
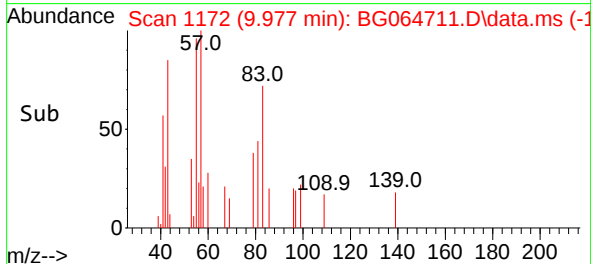
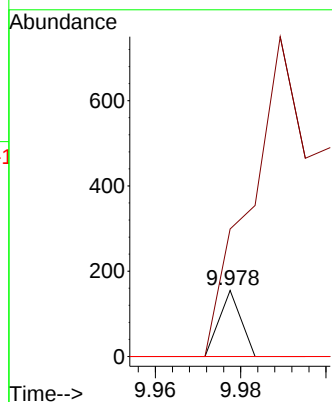
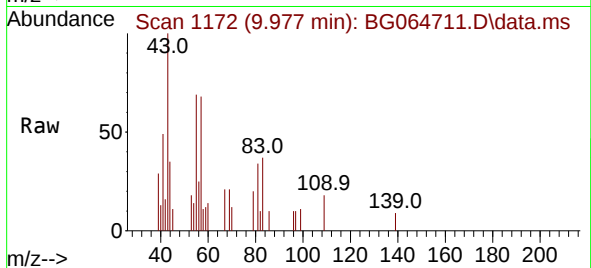




#26
2-Nitrophenol
Concen: 3.191 ng
RT: 9.977 min Scan# 11
Delta R.T. -0.167 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

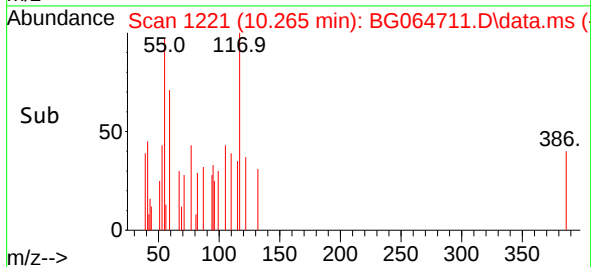
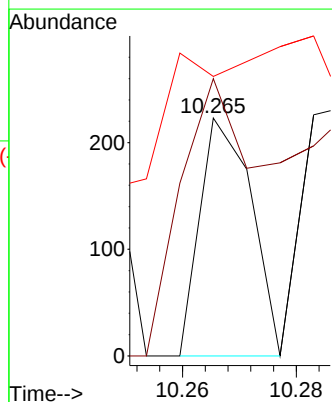
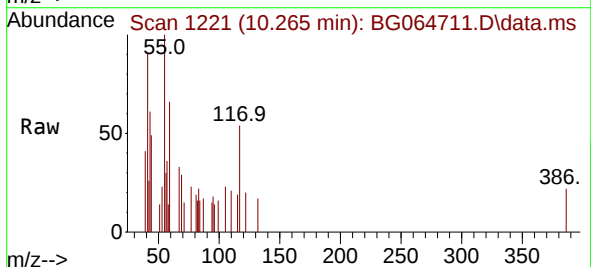
Instrument :
BNA_G
ClientSampleId :
MW-6

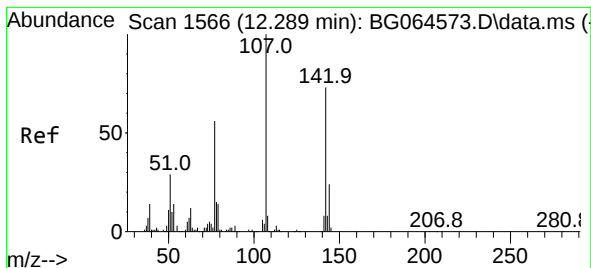
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 192.9 24.6 37.0#
65 0.0 47.5 71.3#



#32
Benzoic acid
Concen: 4.852 ng
RT: 10.265 min Scan# 1221
Delta R.T. -0.044 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:122 Resp: 140
Ion Ratio Lower Upper
122 100
105 116.6 104.2 144.2
77 117.5 70.2 110.2#

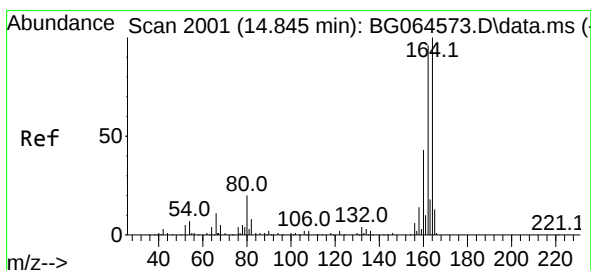
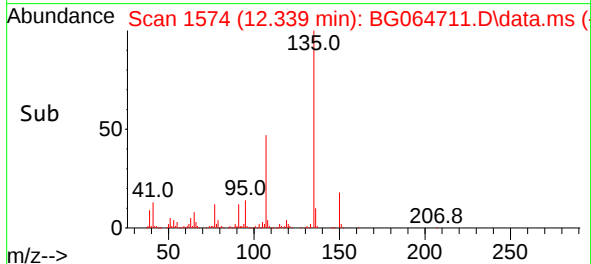
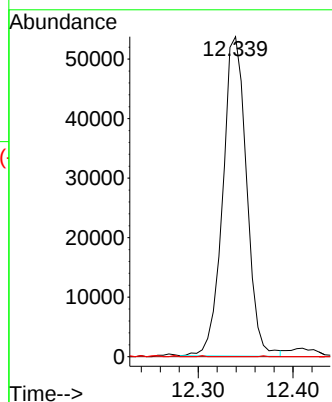
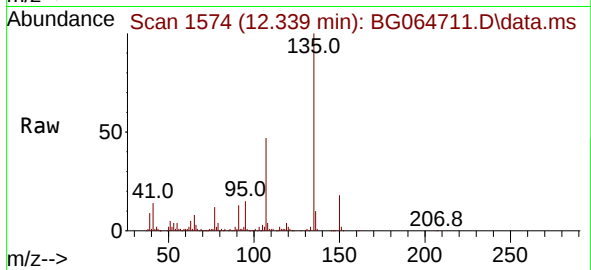




#36
4-Chloro-3-methylphenol
Concen: 39.850 ng
RT: 12.339 min Scan# 11
Delta R.T. 0.051 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

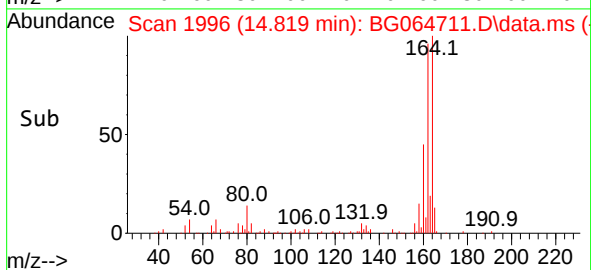
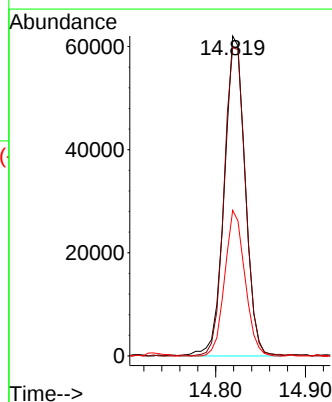
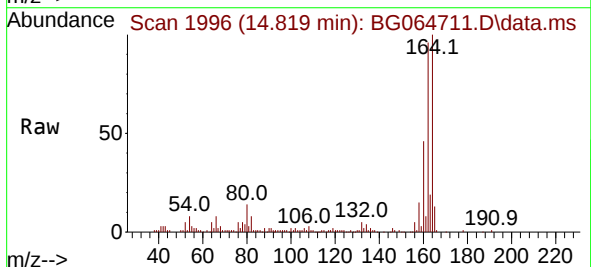
Instrument :
BNA_G
ClientSampleId :
MW-6

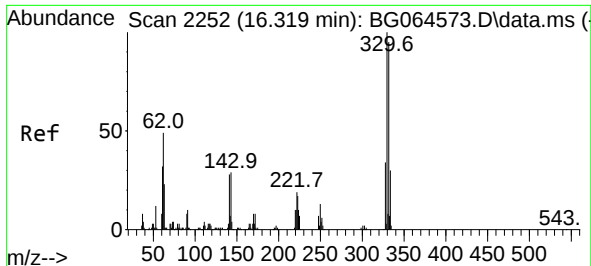
Tgt Ion:107 Resp: 93323
Ion Ratio Lower Upper
107 100
144 0.0 19.1 28.7#
142 0.0 58.6 87.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.819 min Scan# 1996
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:164 Resp: 100117
Ion Ratio Lower Upper
164 100
162 96.4 77.0 115.6
160 45.5 34.4 51.6

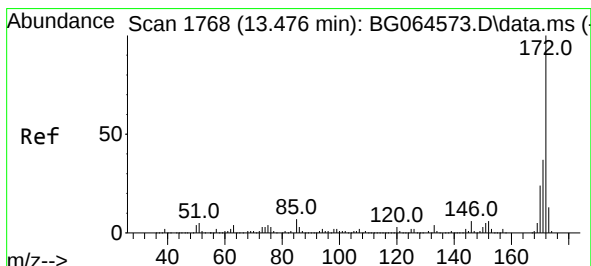
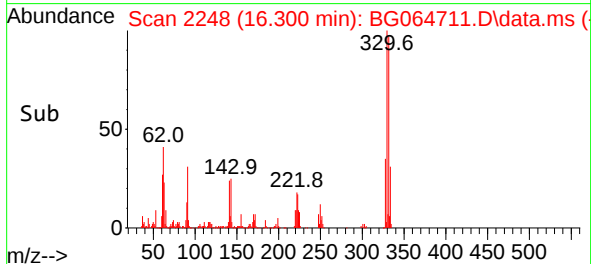
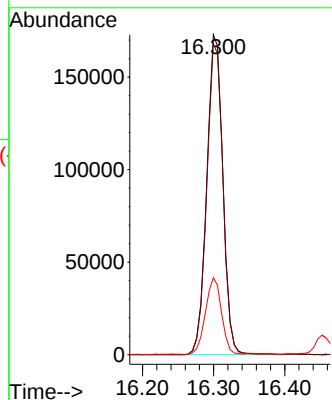
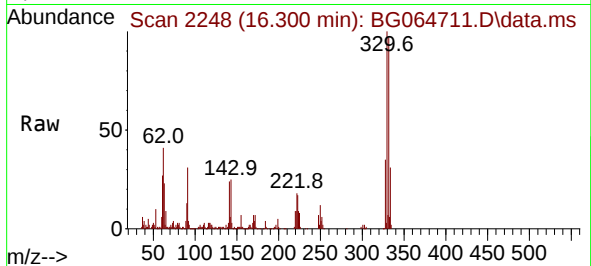




#42
2,4,6-Tribromophenol
Concen: 188.945 ng
RT: 16.300 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

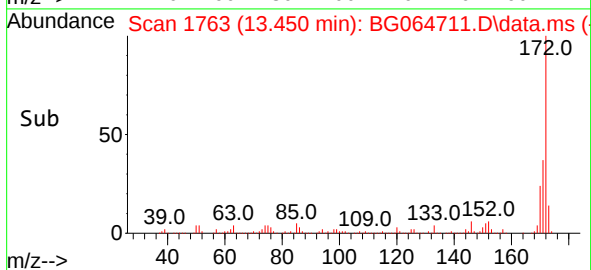
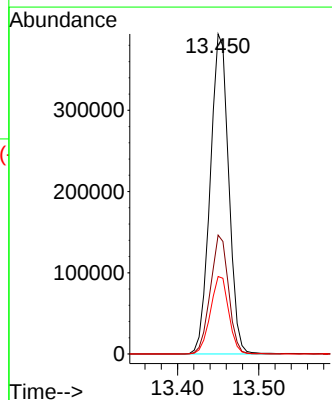
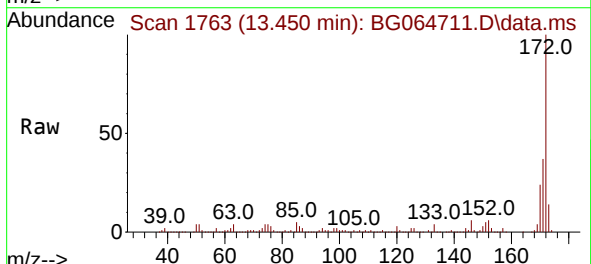
Instrument :
BNA_G
ClientSampleId :
MW-6

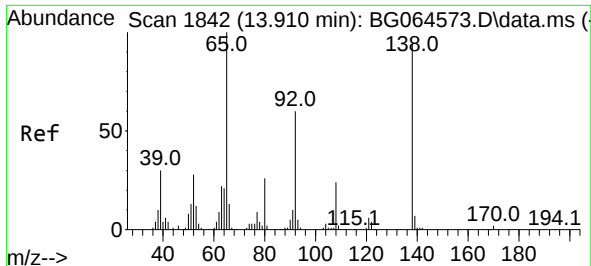
Tgt Ion:330 Resp: 273023
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 23.7 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 94.139 ng
RT: 13.450 min Scan# 1763
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:172 Resp: 621801
Ion Ratio Lower Upper
172 100
171 37.2 29.4 44.0
170 24.2 19.1 28.7

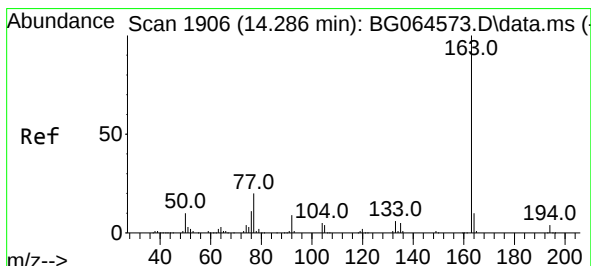
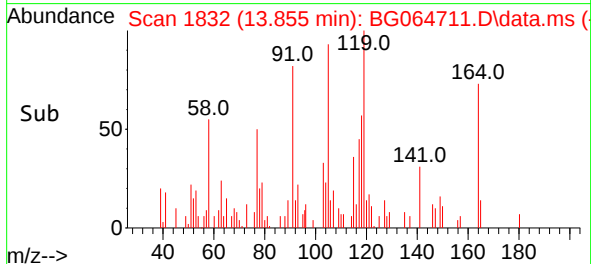
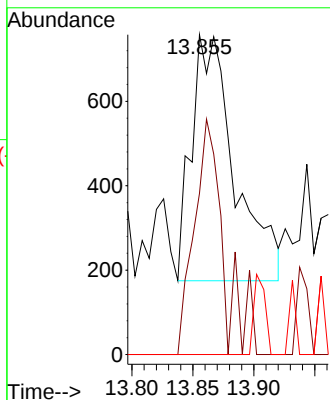
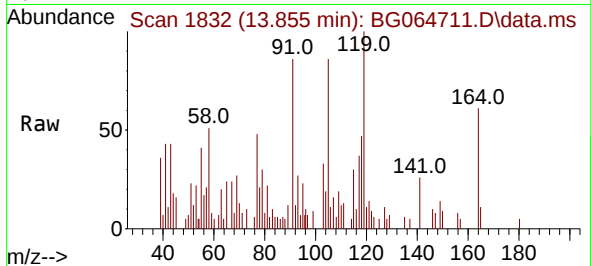




#48
2-Nitroaniline
Concen: 3.969 ng
RT: 13.855 min Scan# 1842
Delta R.T. -0.055 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

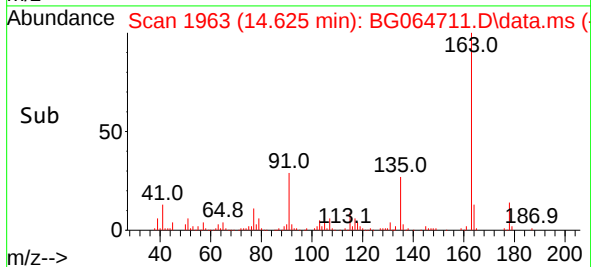
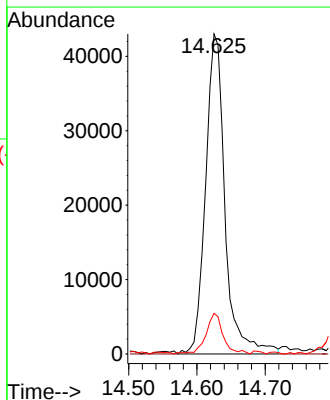
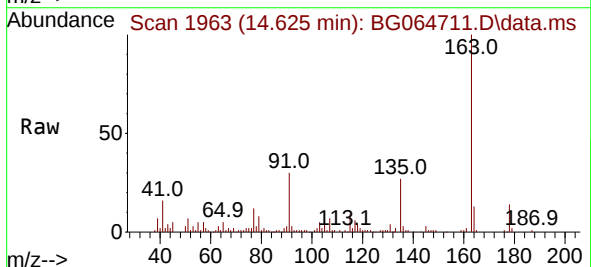
Instrument :
BNA_G
ClientSampleId :
MW-6

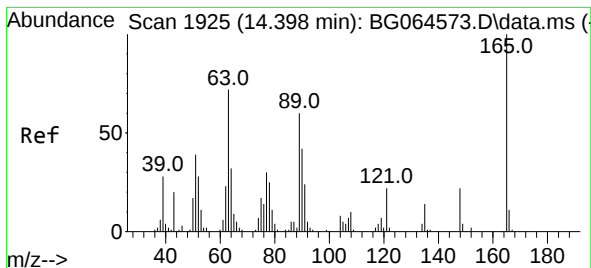
Tgt Ion: 65 Resp: 1439
Ion Ratio Lower Upper
65 100
92 50.4 48.3 72.5
138 0.0 74.9 112.3#



#50
Dimethylphthalate
Concen: 11.110 ng
RT: 14.625 min Scan# 1963
Delta R.T. 0.339 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:163 Resp: 85115
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 12.7 7.7 11.5#

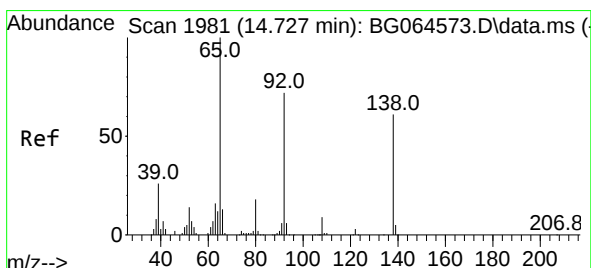
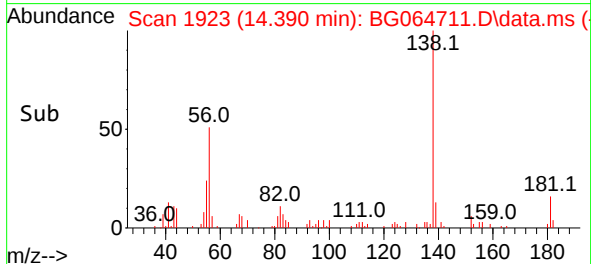
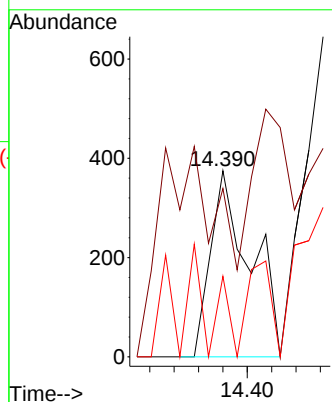
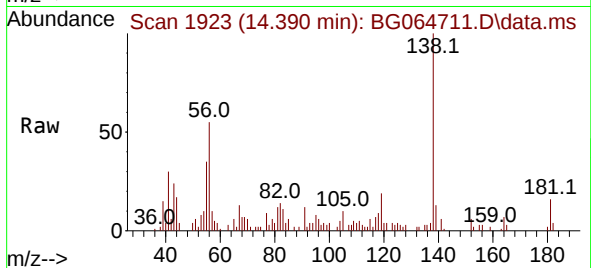




#51
2,6-Dinitrotoluene
Concen: 3.503 ng
RT: 14.390 min Scan# 1925
Delta R.T. -0.008 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

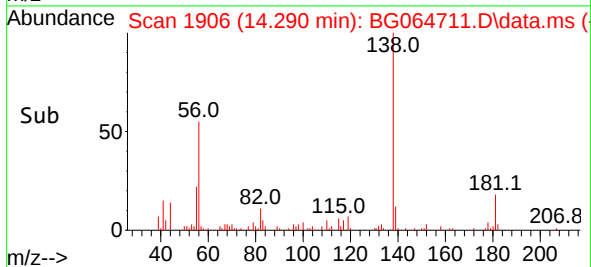
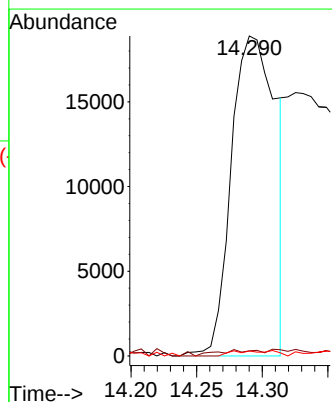
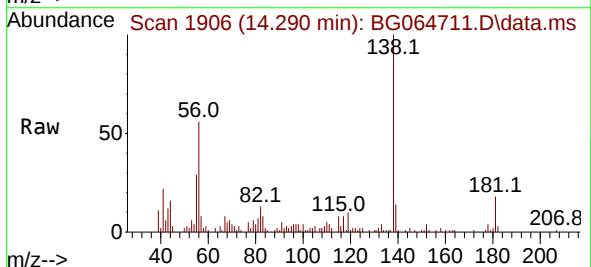
Instrument :
BNA_G
ClientSampleId :
MW-6

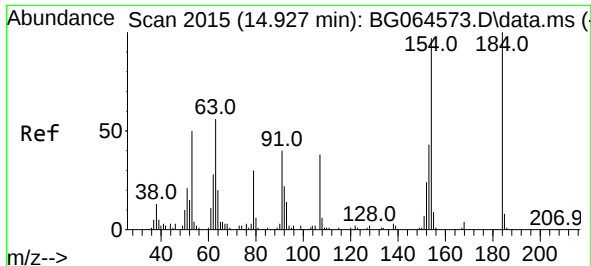
Tgt Ion:165 Resp: 420
Ion Ratio Lower Upper
165 100
63 90.4 57.4 86.0#
89 43.2 47.8 71.8#



#53
3-Nitroaniline
Concen: 33.997 ng
RT: 14.290 min Scan# 1906
Delta R.T. -0.437 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:138 Resp: 44759
Ion Ratio Lower Upper
138 100
108 1.6 11.4 17.0#
92 1.6 95.3 142.9#

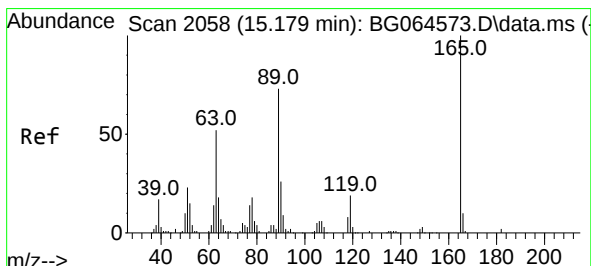
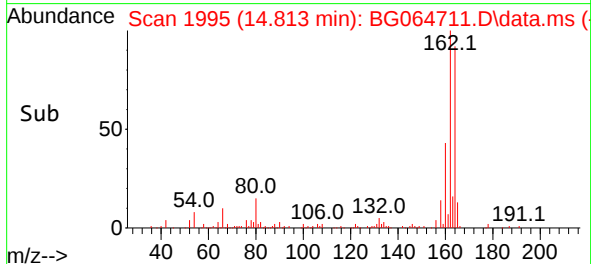
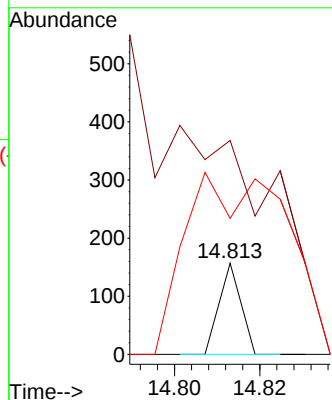
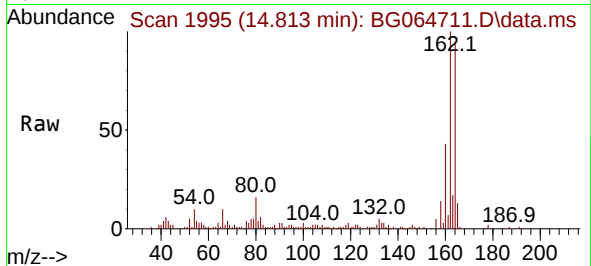




#54
2,4-Dinitrophenol
Concen: 5.638 ng
RT: 14.813 min Scan# 1995
Delta R.T. -0.114 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

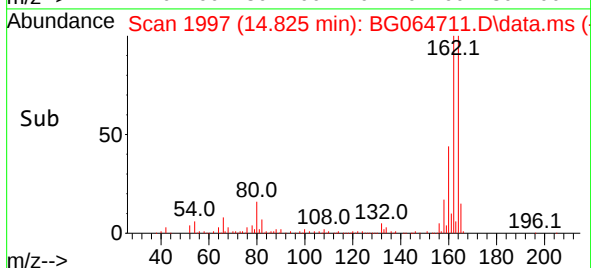
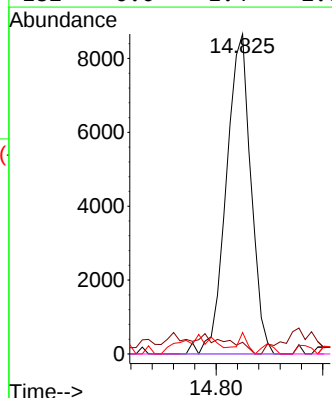
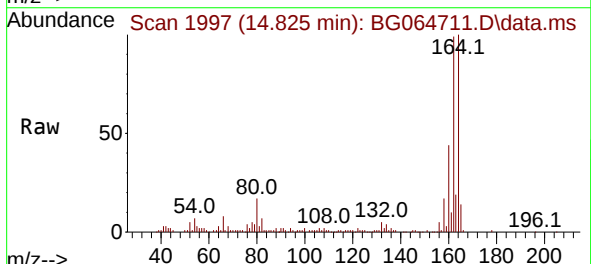
Instrument :
BNA_G
ClientSampleId :
MW-6

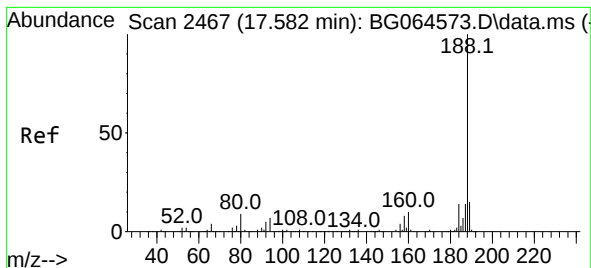
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 234.4 56.6 85.0#
154 149.0 158.6 238.0#



#57
2,4-Dinitrotoluene
Concen: 9.690 ng
RT: 14.825 min Scan# 1997
Delta R.T. -0.354 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:165 Resp: 13857
Ion Ratio Lower Upper
165 100
63 3.6 41.8 62.8#
89 6.7 58.1 87.1#
182 0.0 1.4 2.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.557 min Scan# 2467

Delta R.T. -0.026 min

Lab File: BG064711.D

Acq: 6 Nov 2025 20:33

Instrument :

BNA_G

ClientSampleId :

MW-6

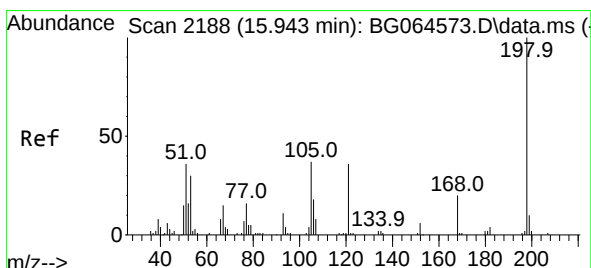
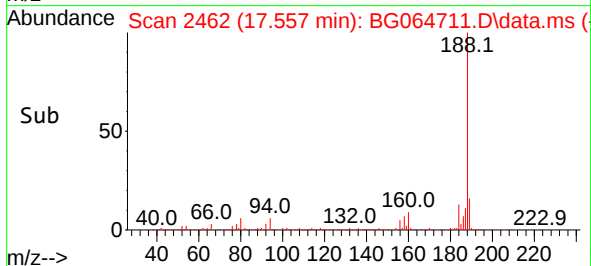
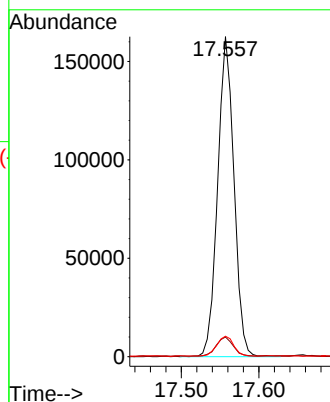
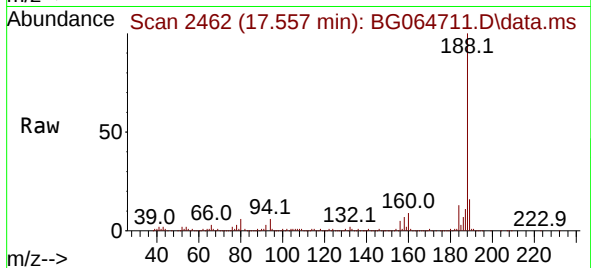
Tgt Ion:188 Resp: 237813

Ion Ratio Lower Upper

188 100

94 6.1 5.7 8.5

80 6.4 6.8 10.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.486 ng

RT: 15.994 min Scan# 2196

Delta R.T. 0.051 min

Lab File: BG064711.D

Acq: 6 Nov 2025 20:33

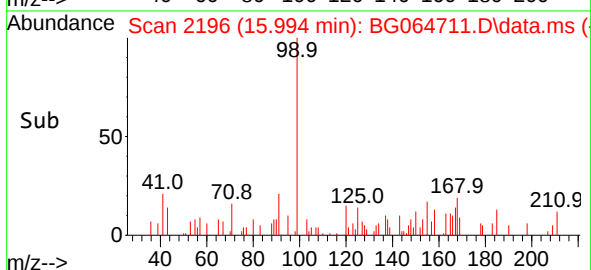
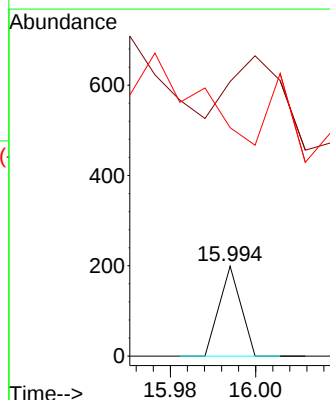
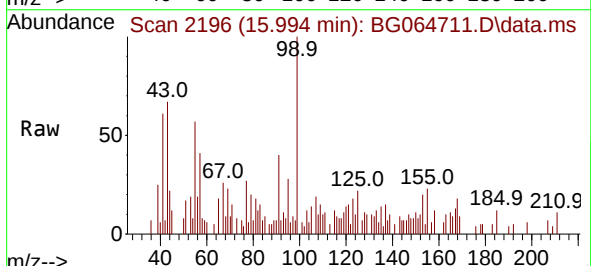
Tgt Ion:198 Resp: 70

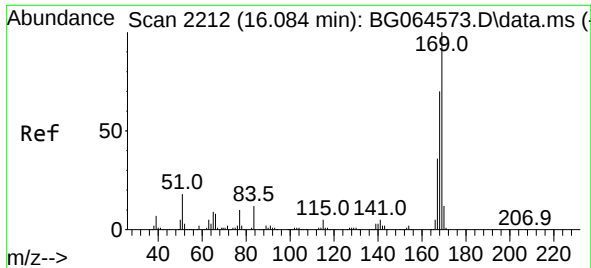
Ion Ratio Lower Upper

198 100

51 305.5 24.7 64.7#

105 254.3 18.0 58.0#

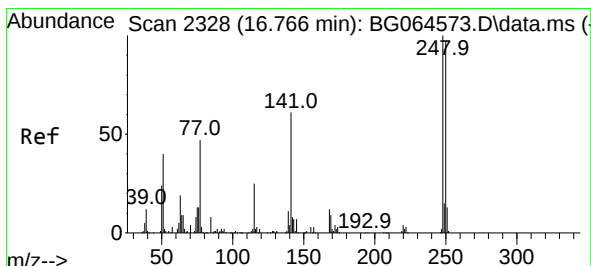
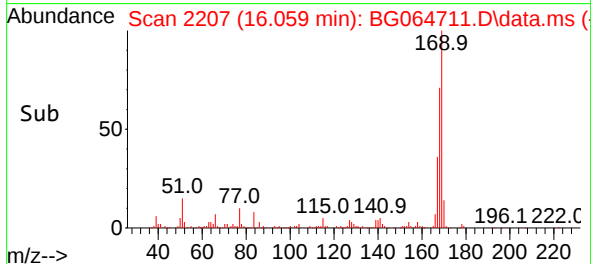
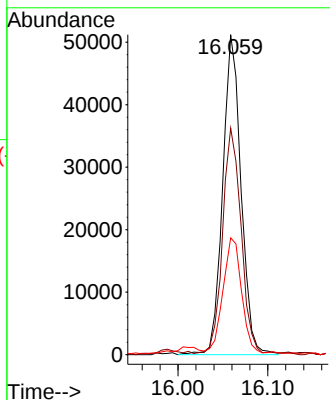
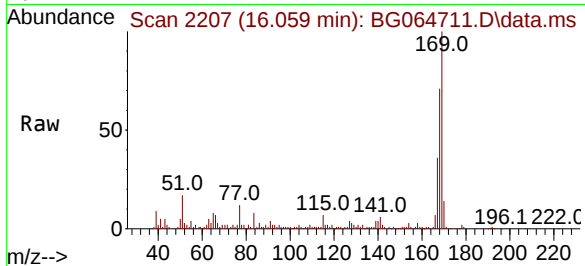




#66
 n-Nitrosodiphenylamine
 Concen: 11.290 ng
 RT: 16.059 min Scan# 21
 Delta R.T. -0.026 min
 Lab File: BG064711.D
 Acq: 6 Nov 2025 20:33

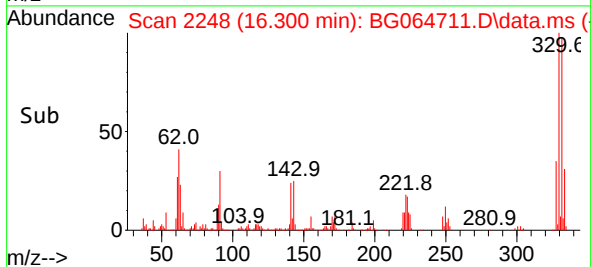
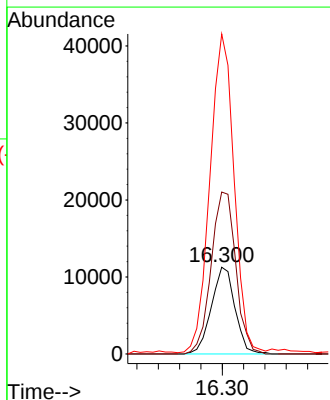
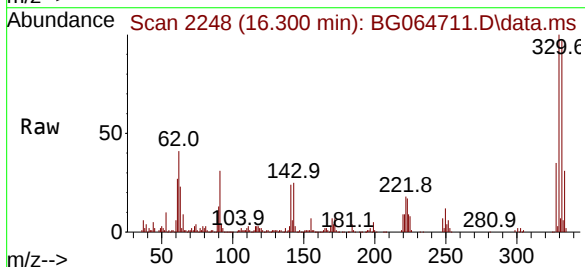
Instrument :
 BNA_G
 ClientSampleId :
 MW-6

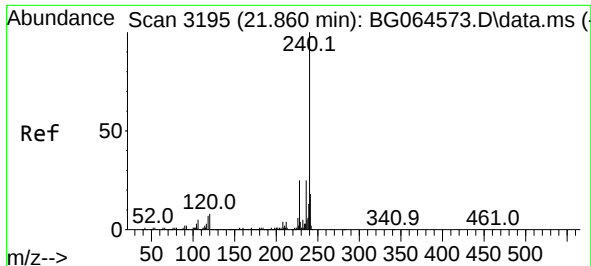
Tgt Ion:169 Resp: 72525
 Ion Ratio Lower Upper
 169 100
 168 70.8 56.3 84.5
 167 36.5 29.0 43.6



#67
 4-Bromophenyl-phenylether
 Concen: 6.140 ng
 RT: 16.300 min Scan# 2248
 Delta R.T. -0.466 min
 Lab File: BG064711.D
 Acq: 6 Nov 2025 20:33

Tgt Ion:248 Resp: 17304
 Ion Ratio Lower Upper
 248 100
 250 246.3 77.7 116.5#
 141 369.2 48.6 72.8#

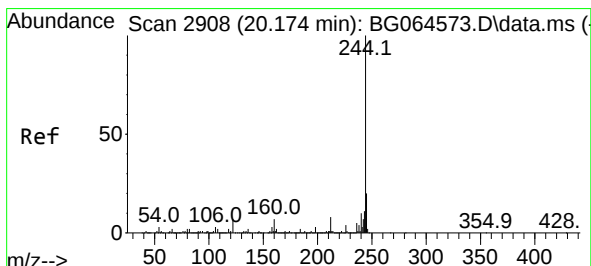
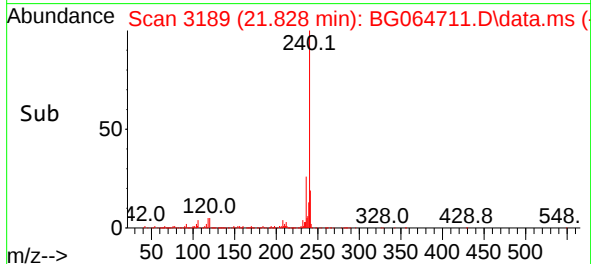
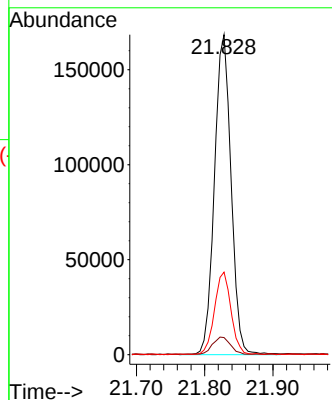
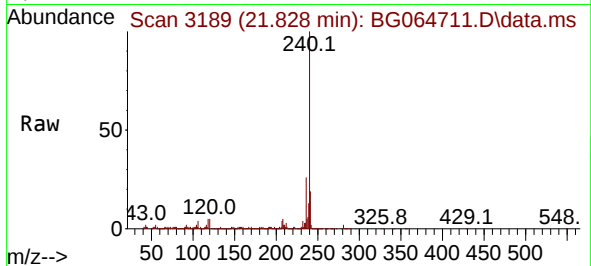




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.828 min Scan# 3195
Delta R.T. -0.031 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

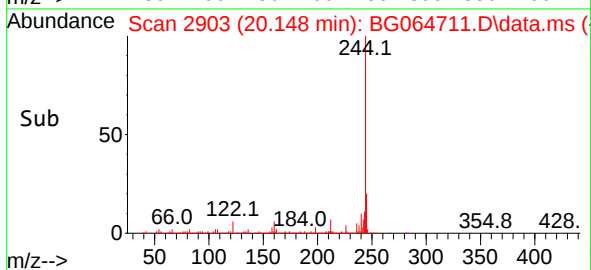
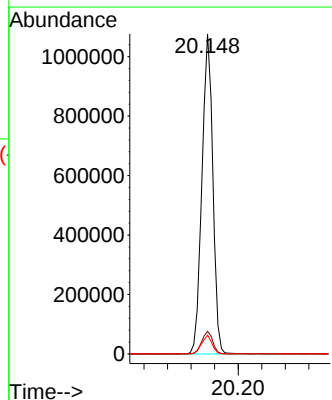
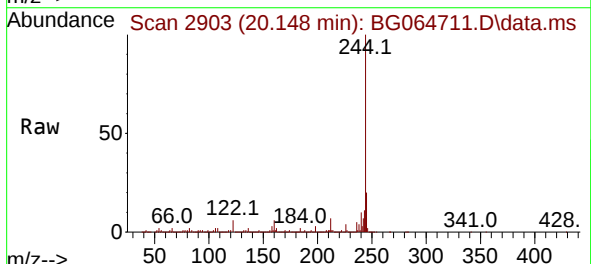
Instrument :
BNA_G
ClientSampleId :
MW-6

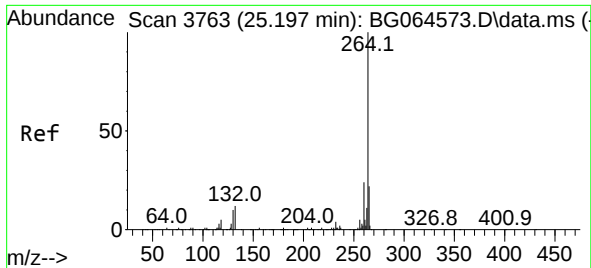
Tgt Ion:240 Resp: 285660
Ion Ratio Lower Upper
240 100
120 5.3 6.5 9.7#
236 25.8 20.2 30.2



#79
Terphenyl-d14
Concen: 91.537 ng
RT: 20.148 min Scan# 2903
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

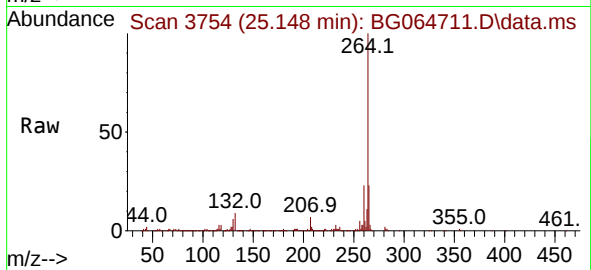
Tgt Ion:244 Resp: 1385592
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 5.8 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.148 min Scan# 31
 Delta R.T. -0.049 min
 Lab File: BG064711.D
 Acq: 6 Nov 2025 20:33

Instrument :
 BNA_G
 ClientSampleId :
 MW-6



Tgt Ion:264 Resp: 321269

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.6	17.6	26.4

