

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064630.D
 Acq On : 29 Oct 2025 19:37
 Operator : RC/JU
 Sample : Q3468-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-08

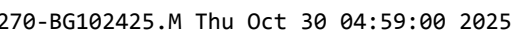
Quant Time: Oct 30 04:58:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

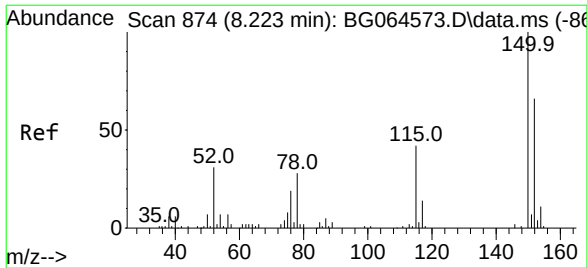
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	30503	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	122508	20.000	ng	-0.01
39) Acenaphthene-d10	14.836	164	99505	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	226879	20.000	ng	0.00
76) Chrysene-d12	21.845	240	289509	20.000	ng	-0.02
86) Perylene-d12	25.189	264	314104	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	130640	71.888	ng	0.00
7) Phenol-d6	7.351	99	119611	47.965	ng	0.00
23) Nitrobenzene-d5	9.384	82	240095	117.713	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	227039	158.088	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	563588	85.851	ng	-0.01
79) Terphenyl-d14	20.165	244	1347806	87.857	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.357	77	23845	17.515	ng	# 1
10) Phenol	7.380	94	6549	2.375	ng	# 78
18) Hexachloroethane	9.342	117	40939	52.406	ng	# 1
22) Acetophenone	9.031	105	35919	10.726	ng	# 53
24) Nitrobenzene	9.419	77	12098	5.453	ng	# 1
26) 2-Nitrophenol	10.236	139	420	3.589	ng	# 1
27) 2,4-Dimethylphenol	10.224	122	38621	20.798	ng	# 83
31) Naphthalene	11.099	128	820136	120.745	ng	99
32) Benzoic acid	10.224	122	38621	31.615	ng	# 24
33) 4-Chloroaniline	11.099	127	113032	42.815	ng	# 34
37) 2-Methylnaphthalene	12.686	142	48548	9.735	ng	95
38) 1-Methylnaphthalene	12.686	142	48548	9.894	ng	89
48) 2-Nitroaniline	13.867	65	15792	11.443	ng	# 27
51) 2,6-Dinitrotoluene	14.366	165	431	3.513	ng	# 1
54) 2,4-Dinitrophenol	14.977	184	214	5.830	ng	# 1
57) 2,4-Dinitrotoluene	15.335	165	739	3.407	ng	# 1
63) Azobenzene	16.182	77	18519	2.596	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.723	198	58	5.478	ng	# 1
67) 4-Bromophenyl-phenylether	16.317	248	14525	5.402	ng	# 1
77) Benzidine	20.165	184	21083	3.250	ng	# 90

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

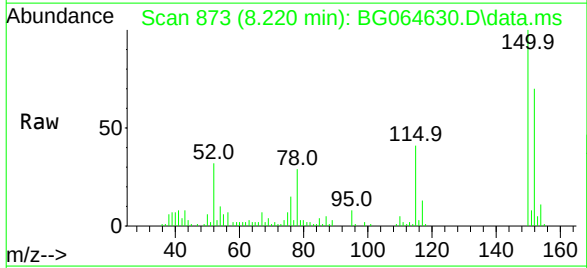
Quant Time: Oct 30 04:58:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



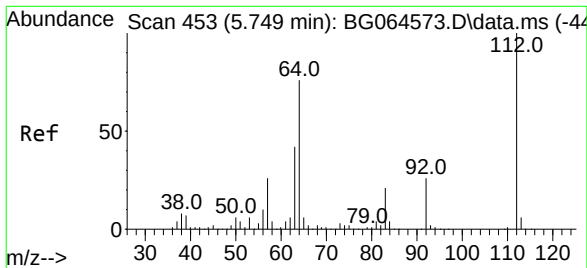
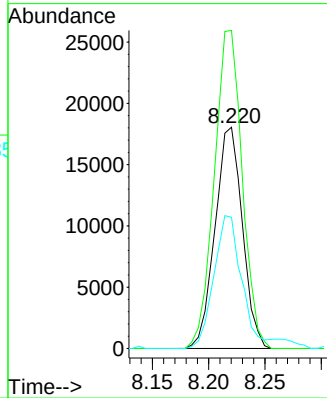
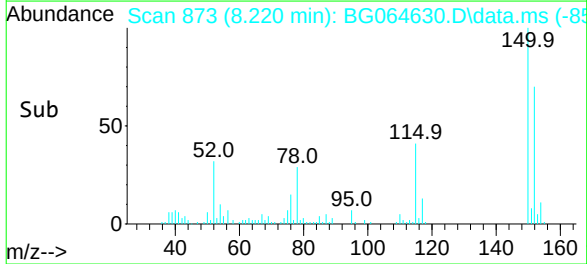


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 87
Delta R.T. -0.001 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

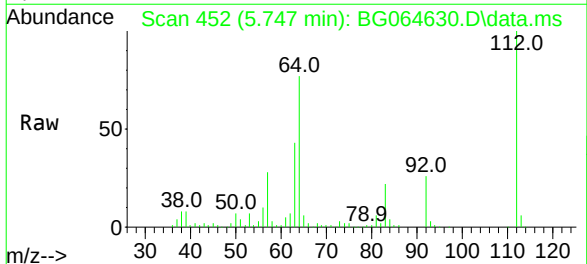
Instrument :
BNA_G
ClientSampleId :
MW-08



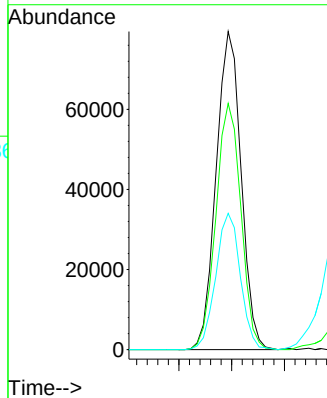
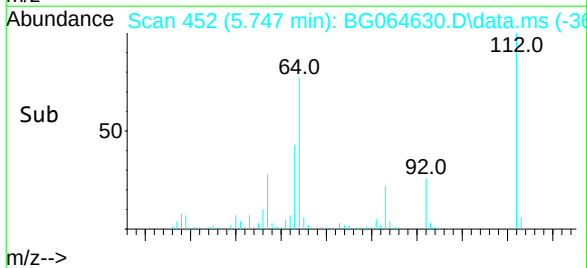
Tgt Ion:152 Resp: 30503
Ion Ratio Lower Upper
152 100
150 143.7 122.2 183.4
115 59.3 50.8 76.2

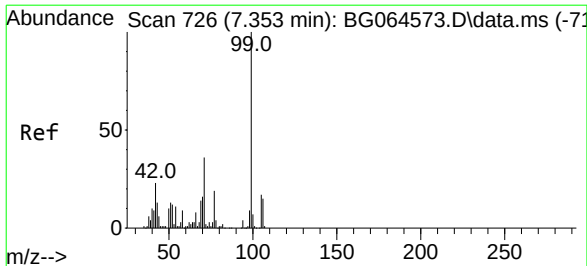


#5
2-Fluorophenol
Concen: 71.888 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.000 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37



Tgt Ion:112 Resp: 130640
Ion Ratio Lower Upper
112 100
64 77.4 60.7 91.1
63 42.8 33.4 50.0

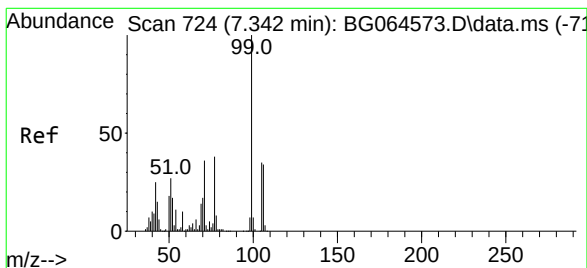
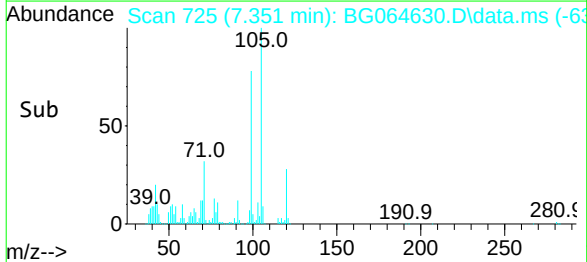
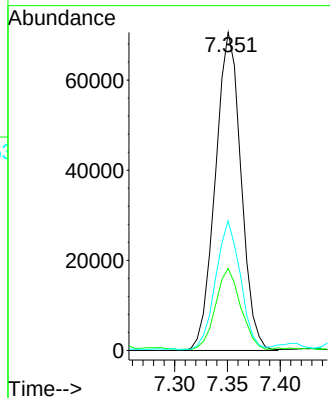
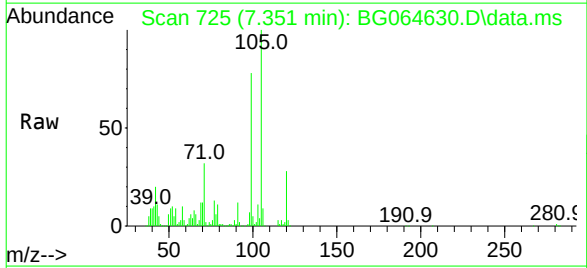




#7
Phenol-d6
Concen: 47.965 ng
RT: 7.351 min Scan# 726
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

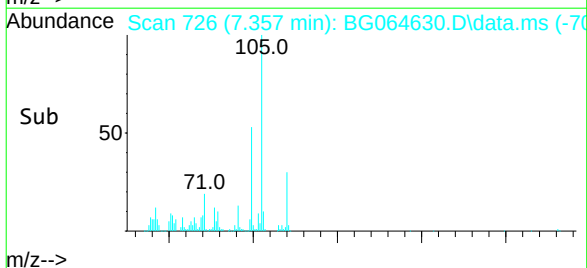
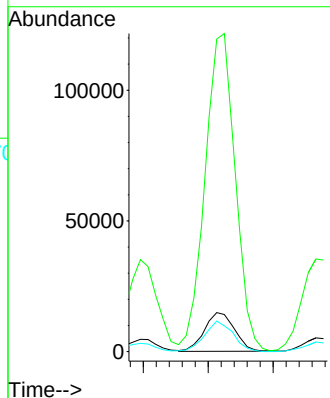
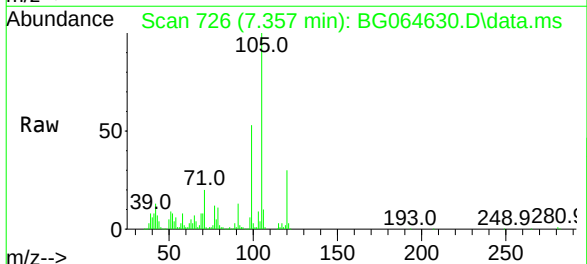
Instrument :
BNA_G
ClientSampleId :
MW-08

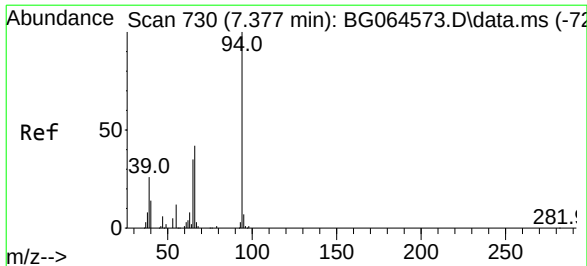
Tgt Ion: 99 Resp: 119611
Ion Ratio Lower Upper
99 100
42 25.8 18.3 27.5
71 40.7 28.6 43.0



#9
Benzaldehyde
Concen: 17.515 ng
RT: 7.357 min Scan# 726
Delta R.T. 0.017 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion: 77 Resp: 23845
Ion Ratio Lower Upper
77 100
105 801.4 72.9 112.9#
106 78.4 70.8 110.8

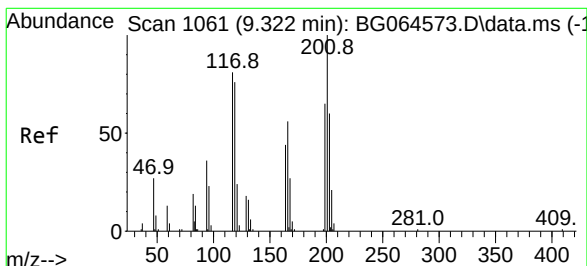
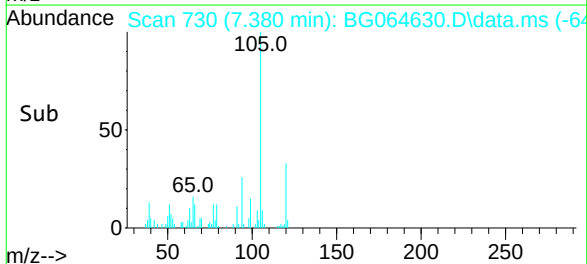
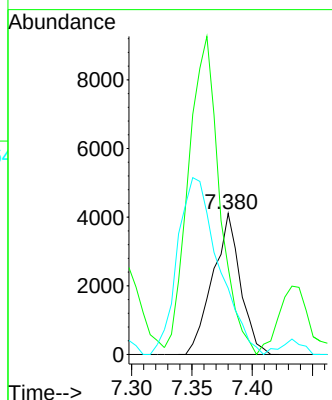
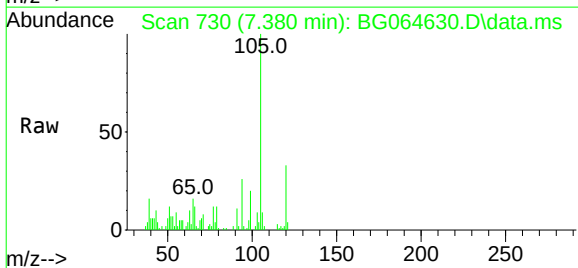




#10
Phenol
Concen: 2.375 ng
RT: 7.380 min Scan# 730
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

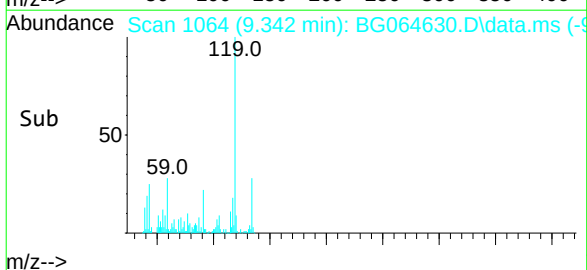
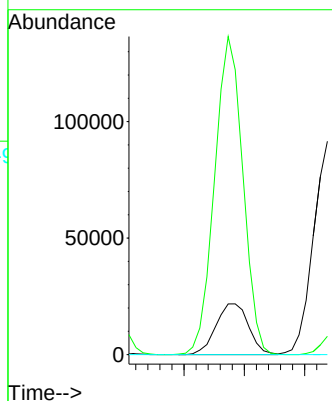
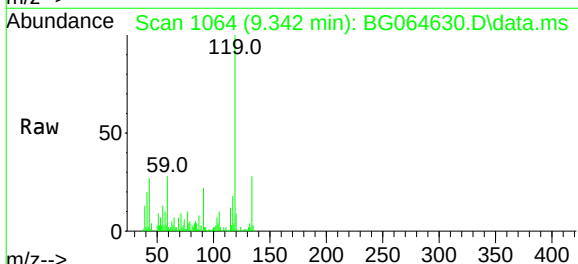
Instrument :
BNA_G
ClientSampleId :
MW-08

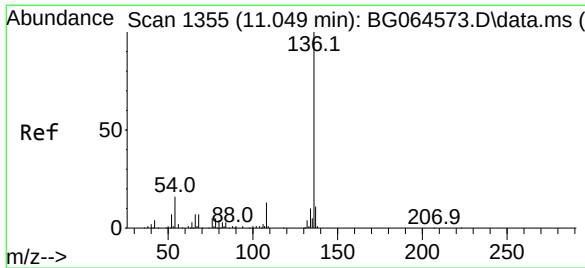
Tgt Ion: 94 Resp: 6549
Ion Ratio Lower Upper
94 100
65 61.7 15.8 55.8#
66 47.0 24.0 64.0



#18
Hexachloroethane
Concen: 52.406 ng
RT: 9.342 min Scan# 1064
Delta R.T. 0.017 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion: 117 Resp: 40939
Ion Ratio Lower Upper
117 100
119 561.4 75.4 113.2#
201 0.0 99.2 148.8#

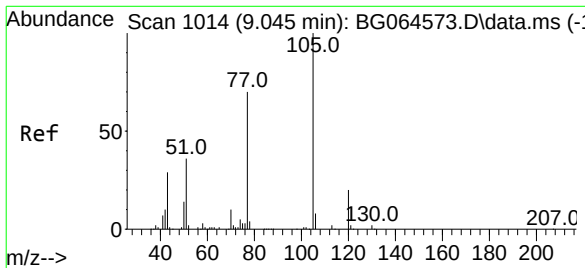
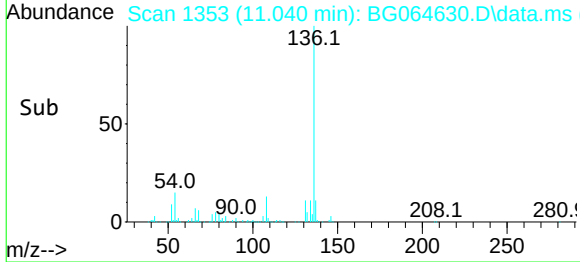
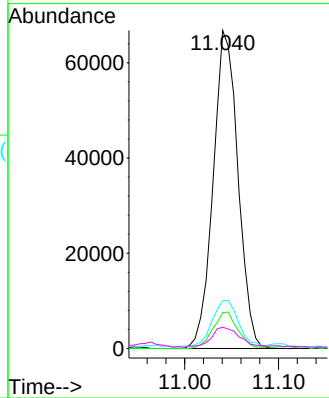
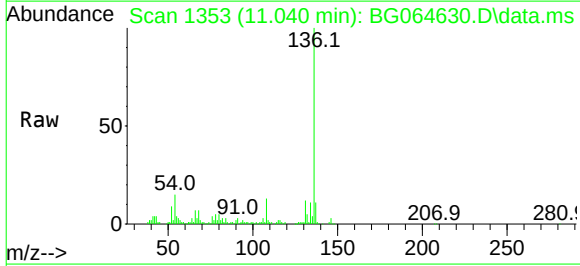




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

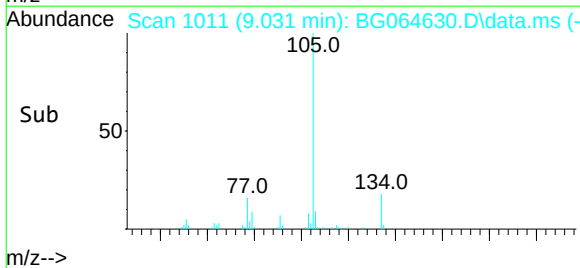
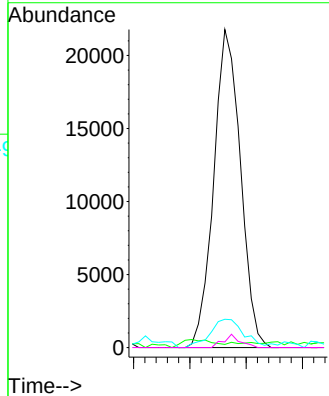
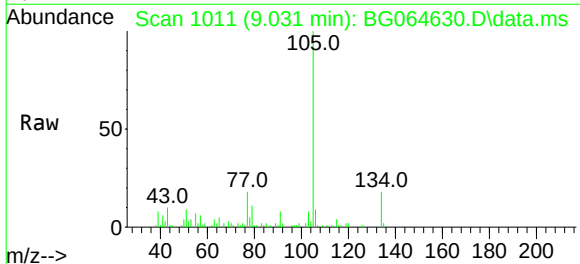
Instrument :
BNA_G
ClientSampleId :
MW-08

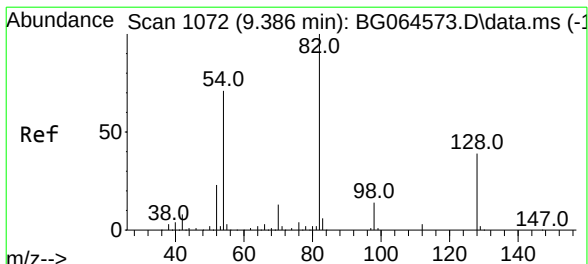
Tgt Ion:	136	Resp:	122508
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	15.0	12.6	19.0
68	6.7	5.7	8.5



#22
Acetophenone
Concen: 10.726 ng
RT: 9.031 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:	105	Resp:	35919
Ion	Ratio	Lower	Upper
105	100		
71	1.0	1.5	2.3#
51	8.9	33.7	50.5#
120	1.8	16.1	24.1#



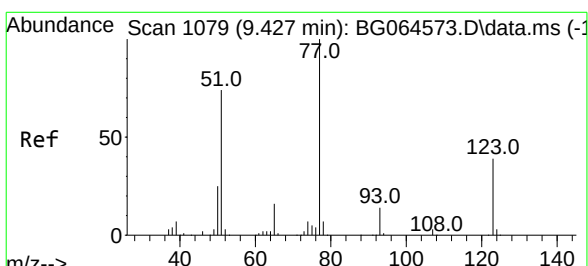
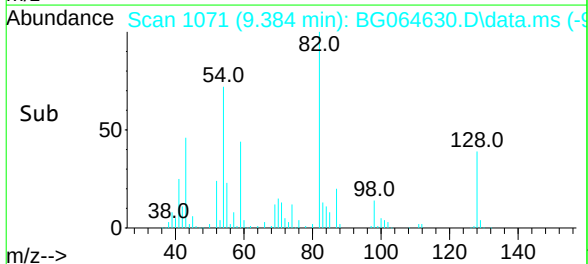
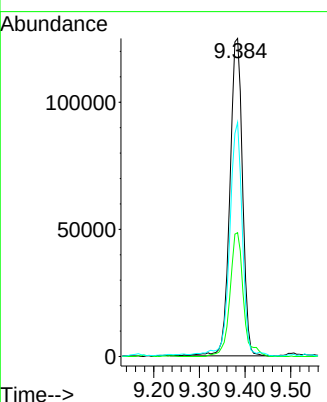
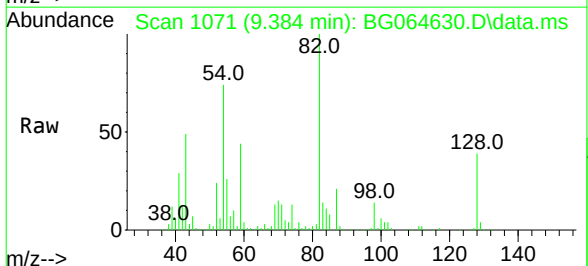


#23
 Nitrobenzene-d5
 Concen: 117.713 ng
 RT: 9.384 min Scan# 1071
 Delta R.T. -0.006 min
 Lab File: BG064630.D
 Acq: 29 Oct 2025 19:37

Instrument :
 BNA_G
 ClientSampleId :
 MW-08

Tgt Ion: 82 Resp: 240095

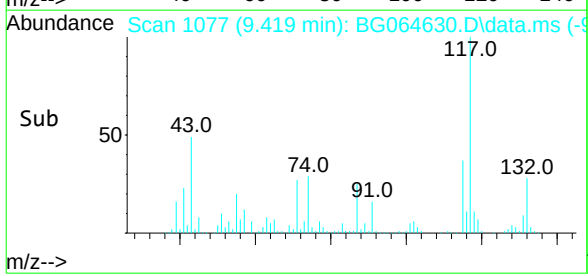
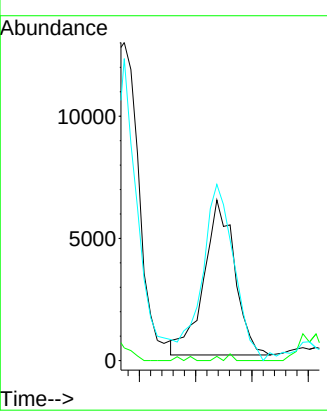
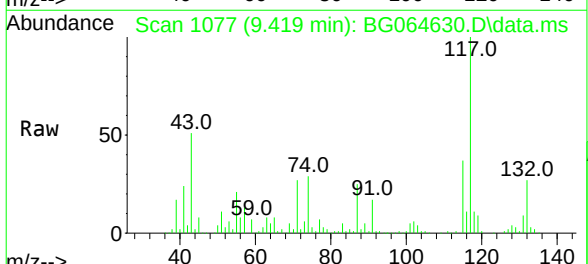
Ion	Ratio	Lower	Upper
82	100		
128	38.9	31.3	46.9
54	73.6	56.6	84.8

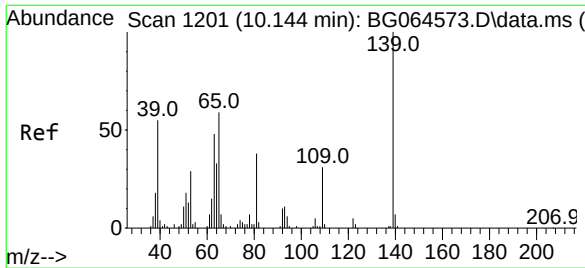


#24
 Nitrobenzene
 Concen: 5.453 ng
 RT: 9.419 min Scan# 1077
 Delta R.T. -0.012 min
 Lab File: BG064630.D
 Acq: 29 Oct 2025 19:37

Tgt Ion: 77 Resp: 12098

Ion	Ratio	Lower	Upper
77	100		
123	2.6	31.0	46.6#
65	109.7	12.7	19.1#

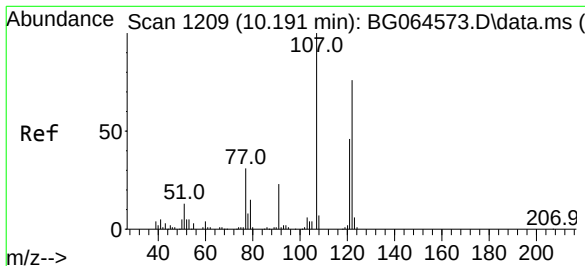
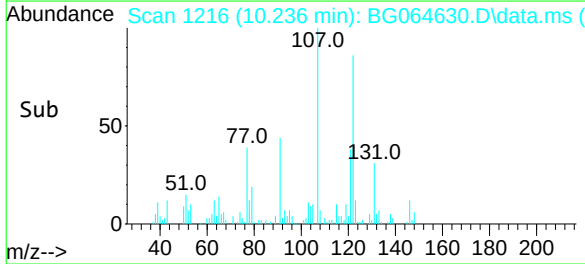
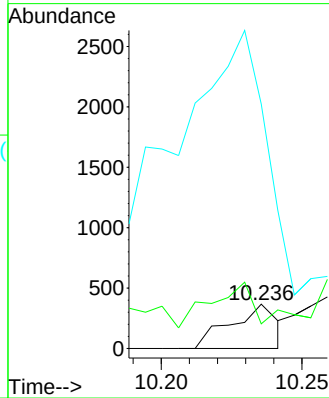
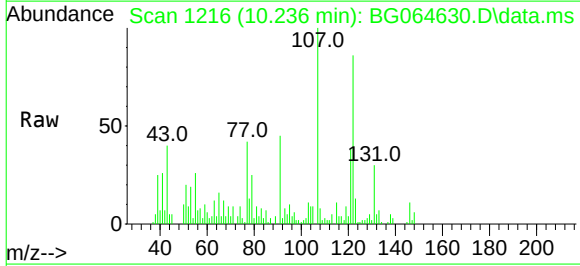




#26
2-Nitrophenol
Concen: 3.589 ng
RT: 10.236 min Scan# 1216
Delta R.T. 0.088 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

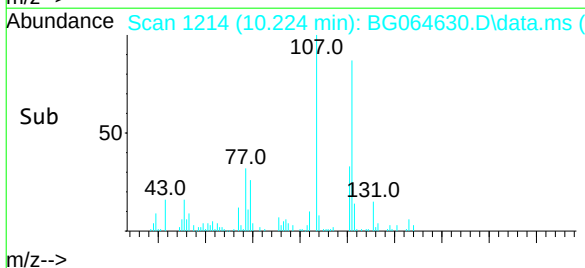
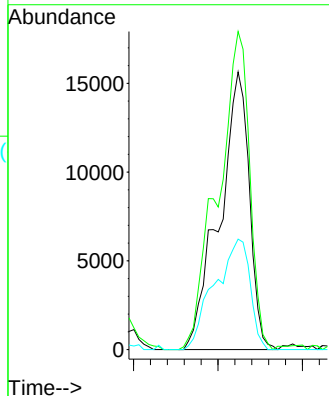
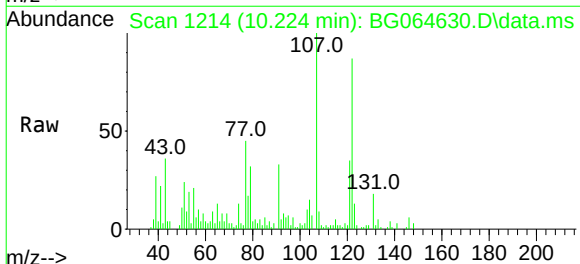
Instrument :
BNA_G
ClientSampleId :
MW-08

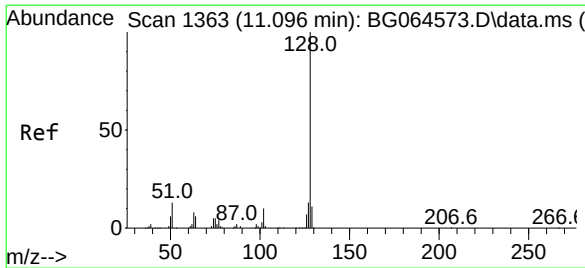
Tgt Ion:139 Resp: 420
Ion Ratio Lower Upper
139 100
109 55.6 24.6 37.0#
65 551.5 47.5 71.3#



#27
2,4-Dimethylphenol
Concen: 20.798 ng
RT: 10.224 min Scan# 1214
Delta R.T. 0.029 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:122 Resp: 38621
Ion Ratio Lower Upper
122 100
107 114.5 103.0 154.4
121 39.8 47.8 71.8#





#31

Naphthalene

Concen: 120.745 ng

RT: 11.099 min Scan# 13

Delta R.T. -0.000 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Instrument :

BNA_G

ClientSampleId :

MW-08

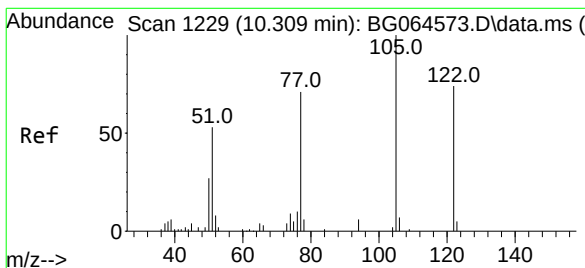
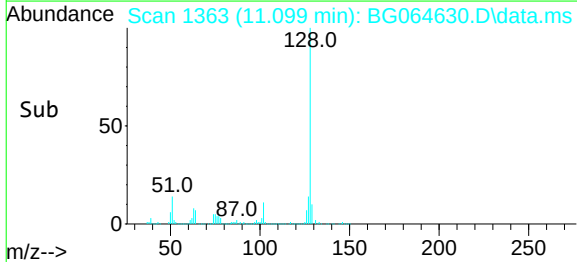
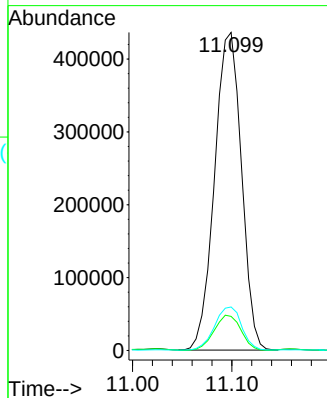
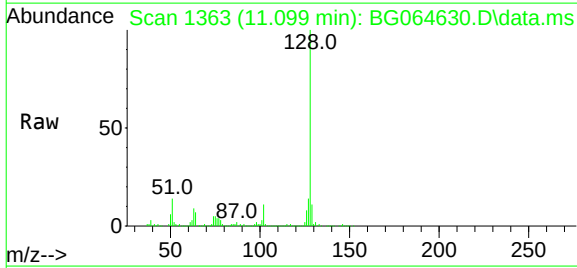
Tgt Ion:128 Resp: 820136

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.7 10.6 15.8



#32

Benzoic acid

Concen: 31.615 ng

RT: 10.224 min Scan# 1214

Delta R.T. -0.118 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

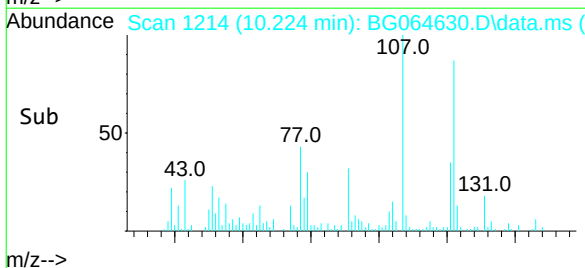
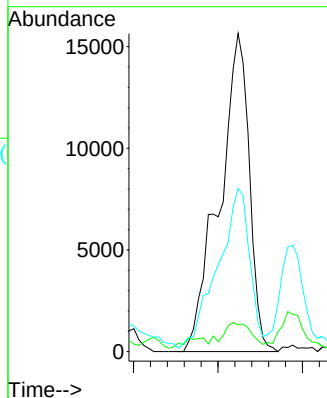
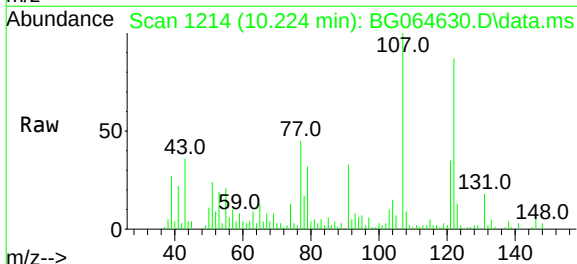
Tgt Ion:122 Resp: 38621

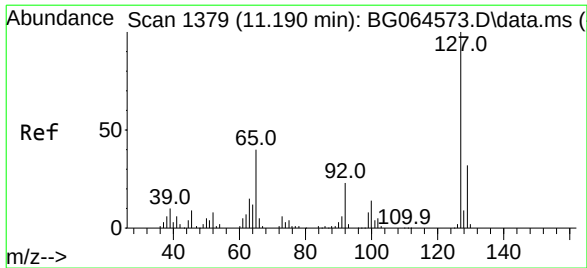
Ion Ratio Lower Upper

122 100

105 8.5 104.2 144.2#

77 51.3 70.2 110.2#





#33

4-Chloroaniline

Concen: 42.815 ng

RT: 11.099 min Scan# 13

Delta R.T. -0.088 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Instrument :

BNA_G

ClientSampleId :

MW-08

Tgt Ion:127 Resp: 113032

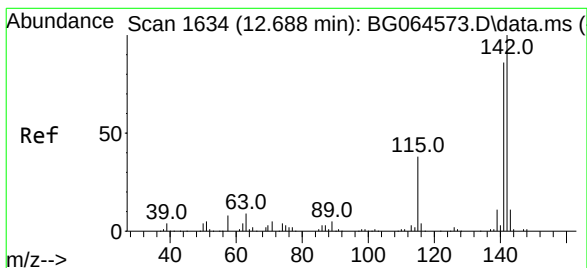
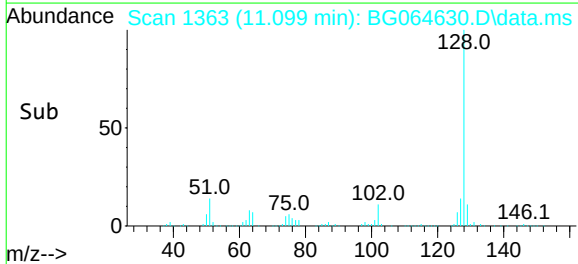
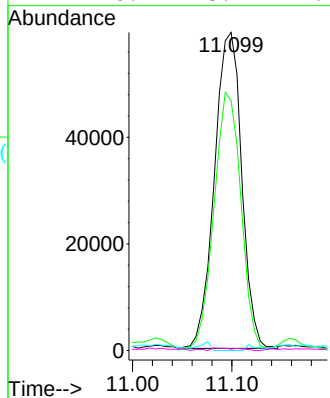
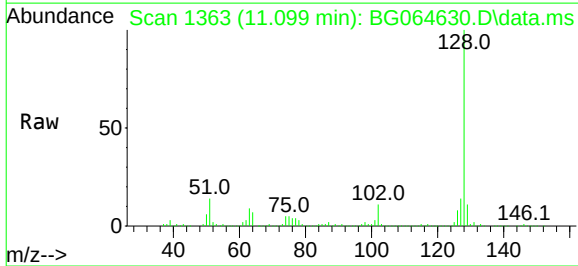
Ion Ratio Lower Upper

127 100

129 78.5 25.5 38.3#

65 0.5 32.2 48.4#

92 0.4 18.2 27.2#



#37

2-Methylnaphthalene

Concen: 9.735 ng

RT: 12.686 min Scan# 1633

Delta R.T. -0.006 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

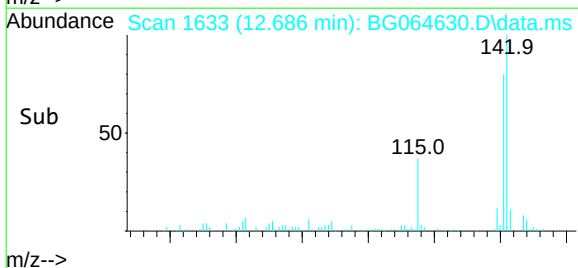
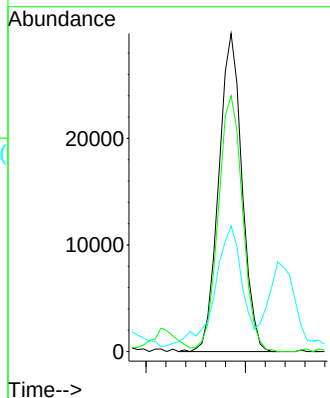
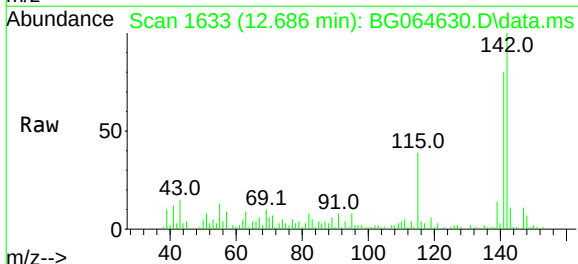
Tgt Ion:142 Resp: 48548

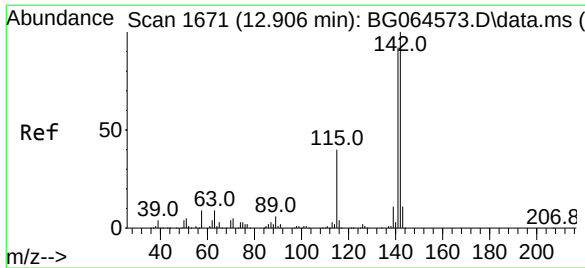
Ion Ratio Lower Upper

142 100

141 80.5 68.9 103.3

115 39.5 30.6 46.0





#38

1-Methylnaphthalene

Concen: 9.894 ng

RT: 12.686 min Scan# 16

Delta R.T. -0.223 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Instrument :

BNA_G

ClientSampleId :

MW-08

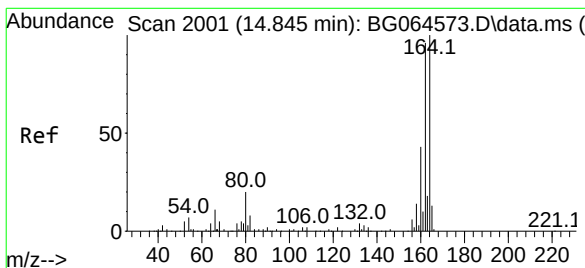
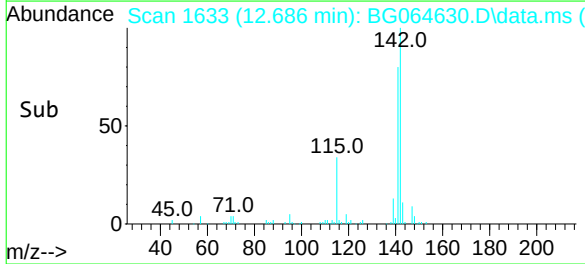
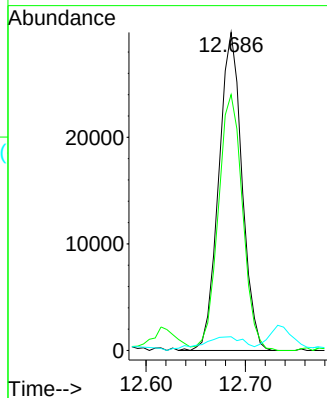
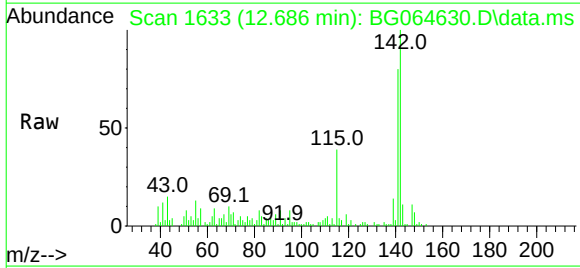
Tgt Ion:142 Resp: 48548

Ion Ratio Lower Upper

142 100

141 80.5 73.3 109.9

116 4.3 3.1 4.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.836 min Scan# 1999

Delta R.T. -0.006 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

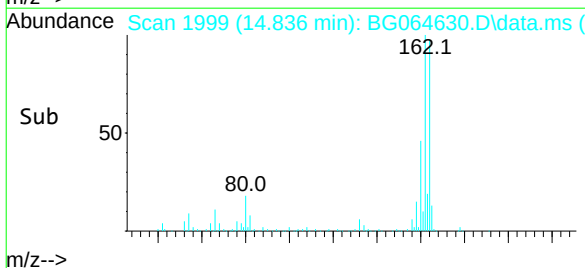
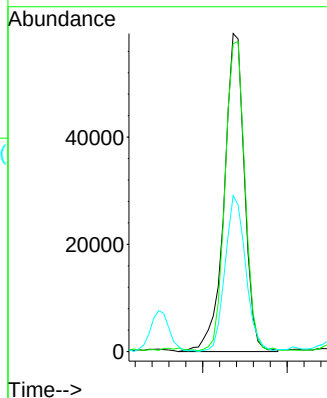
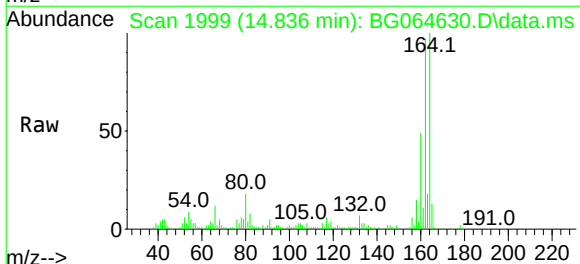
Tgt Ion:164 Resp: 99505

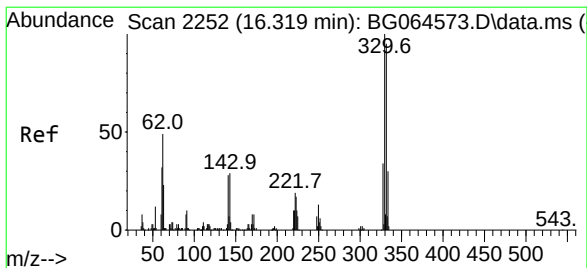
Ion Ratio Lower Upper

164 100

162 96.8 77.0 115.6

160 49.0 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 158.088 ng

RT: 16.317 min Scan# 22

Delta R.T. -0.006 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Instrument :

BNA_G

ClientSampleId :

MW-08

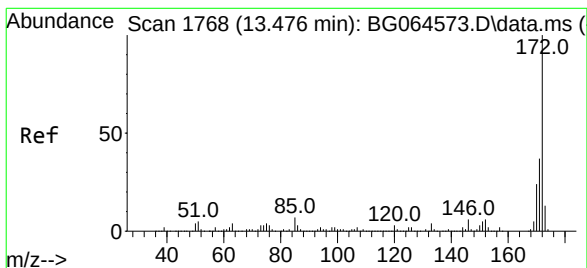
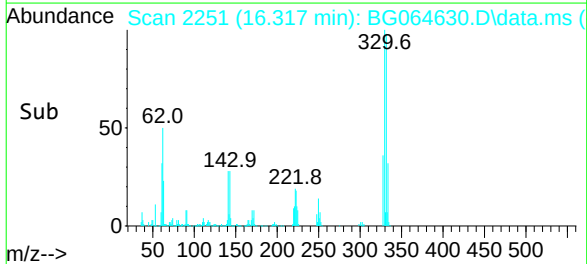
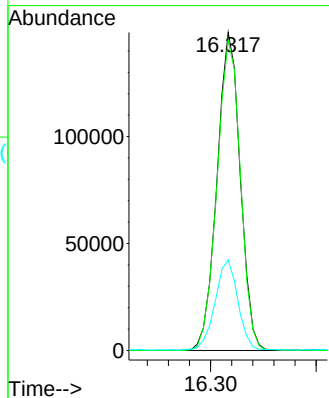
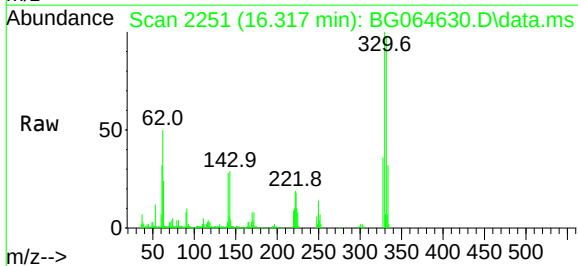
Tgt Ion:330 Resp: 227039

Ion Ratio Lower Upper

330 100

332 98.5 78.0 117.0

141 27.8 21.8 32.6



#45

2-Fluorobiphenyl

Concen: 85.851 ng

RT: 13.467 min Scan# 1766

Delta R.T. -0.012 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

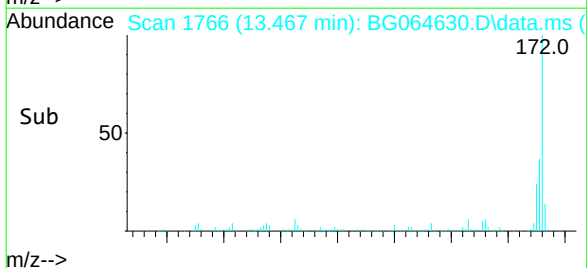
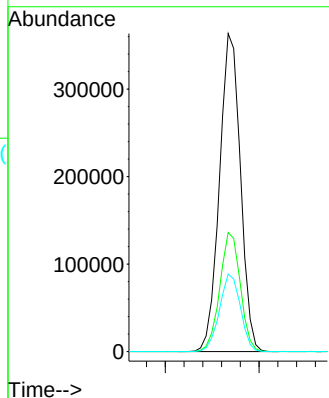
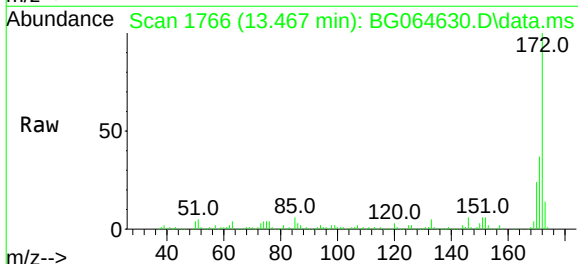
Tgt Ion:172 Resp: 563588

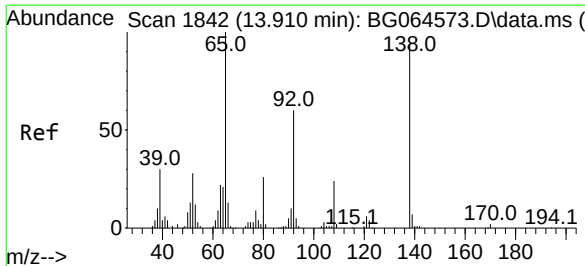
Ion Ratio Lower Upper

172 100

171 37.4 29.4 44.0

170 24.4 19.1 28.7





#48

2-Nitroaniline

Concen: 11.443 ng

RT: 13.867 min Scan# 18

Delta R.T. -0.047 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Instrument :

BNA_G

ClientSampleId :

MW-08

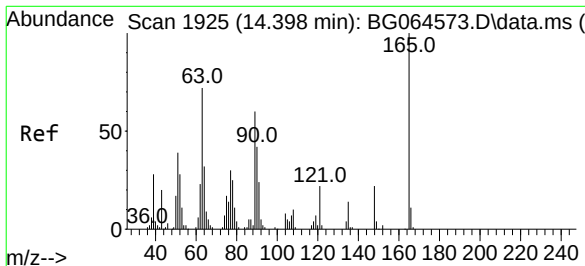
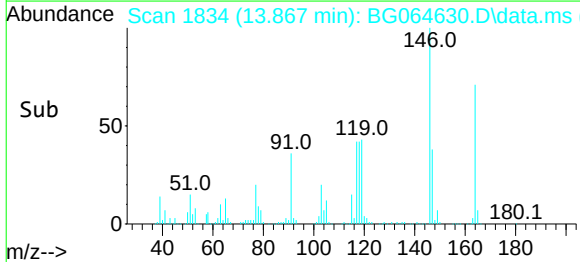
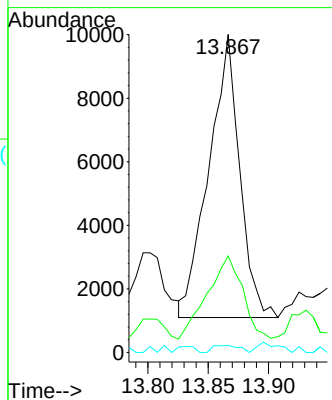
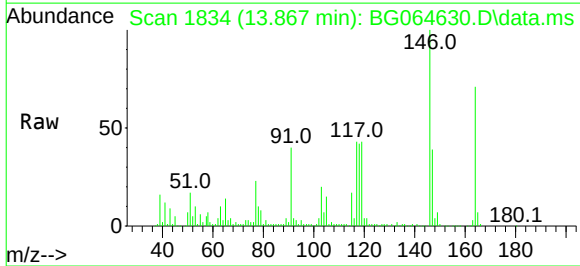
Tgt Ion: 65 Resp: 15792

Ion Ratio Lower Upper

65 100

92 30.3 48.3 72.5#

138 2.2 74.9 112.3#



#51

2,6-Dinitrotoluene

Concen: 3.513 ng

RT: 14.366 min Scan# 1919

Delta R.T. -0.036 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

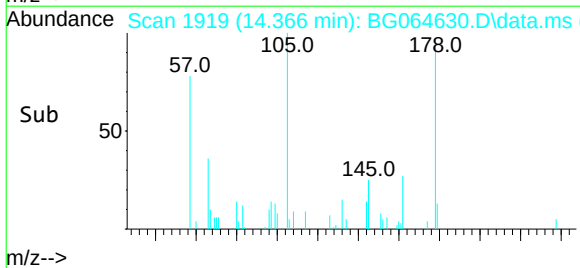
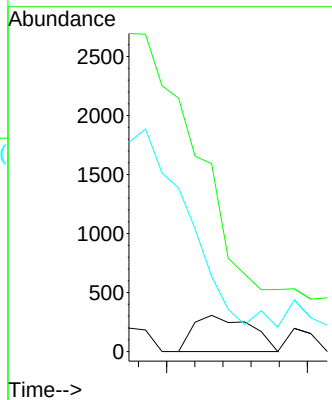
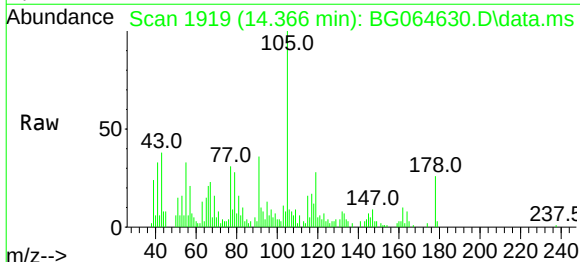
Tgt Ion: 165 Resp: 431

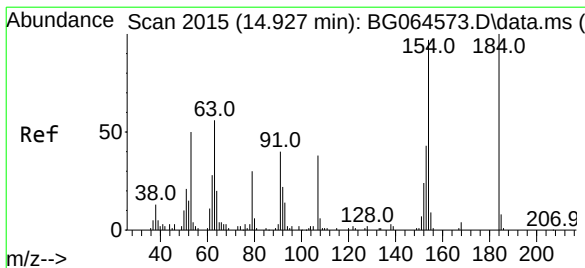
Ion Ratio Lower Upper

165 100

63 518.6 57.4 86.0#

89 207.2 47.8 71.8#





#54

2,4-Dinitrophenol

Concen: 5.830 ng

RT: 14.977 min Scan# 20

Delta R.T. 0.047 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Instrument :

BNA_G

ClientSampleId :

MW-08

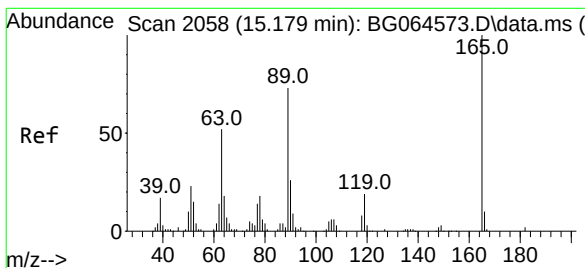
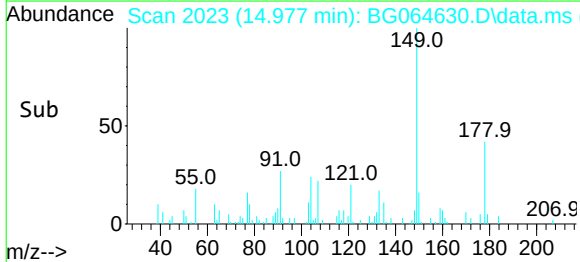
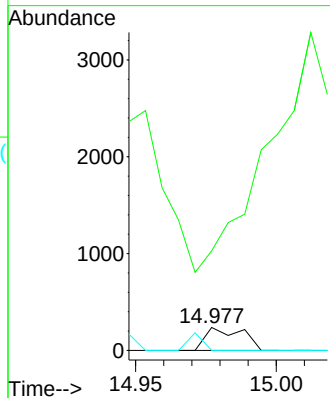
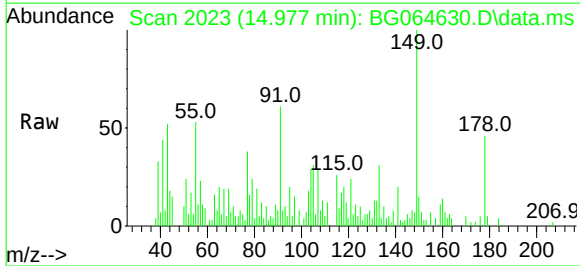
Tgt Ion:184 Resp: 214

Ion Ratio Lower Upper

184 100

63 433.8 56.6 85.0#

154 0.0 158.6 238.0#



#57

2,4-Dinitrotoluene

Concen: 3.407 ng

RT: 15.335 min Scan# 2084

Delta R.T. 0.146 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Tgt Ion:165 Resp: 739

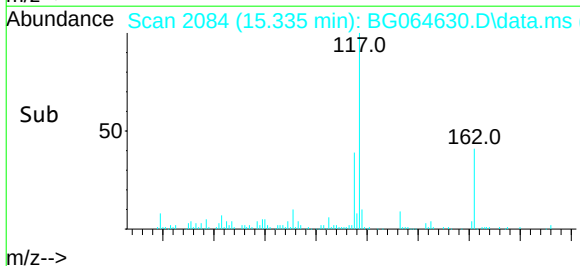
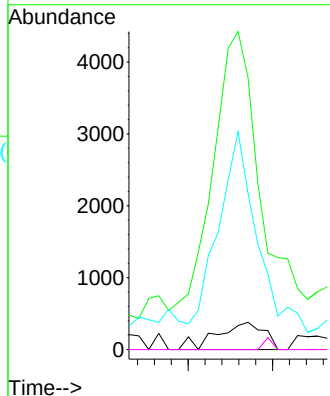
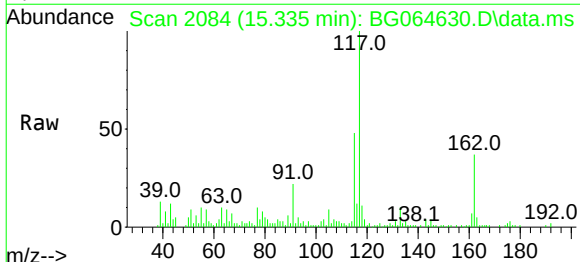
Ion Ratio Lower Upper

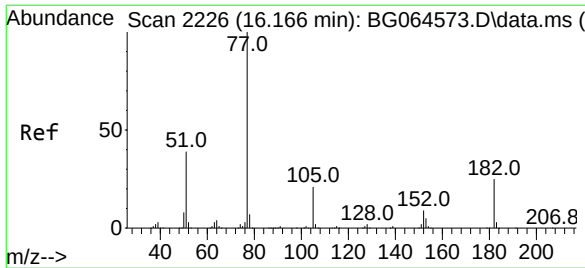
165 100

63 996.1 41.8 62.8#

89 573.4 58.1 87.1#

182 0.0 1.4 2.0#





#63

Azobenzene

Concen: 2.596 ng

RT: 16.182 min Scan# 2226

Delta R.T. 0.011 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

Instrument :

BNA_G

ClientSampleId :

MW-08

Tgt Ion: 77 Resp: 18519

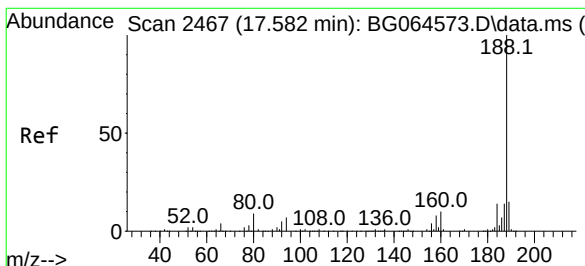
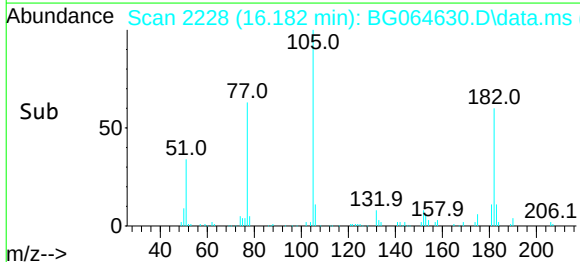
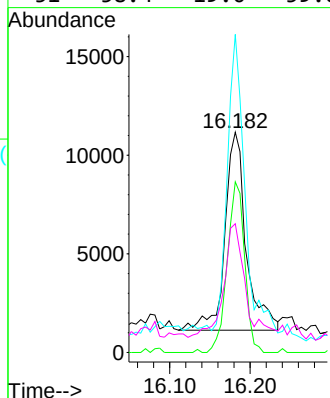
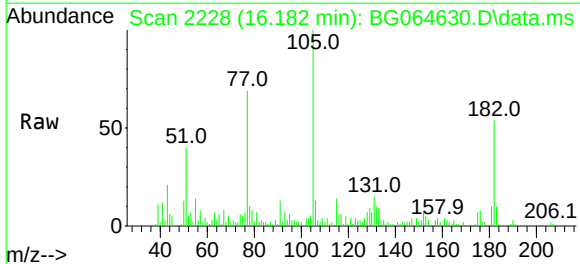
Ion Ratio Lower Upper

77 100

182 77.5 4.9 44.9#

105 144.4 1.3 41.3#

51 58.4 19.0 59.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.574 min Scan# 2465

Delta R.T. -0.006 min

Lab File: BG064630.D

Acq: 29 Oct 2025 19:37

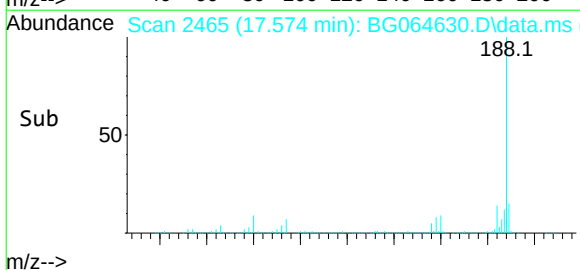
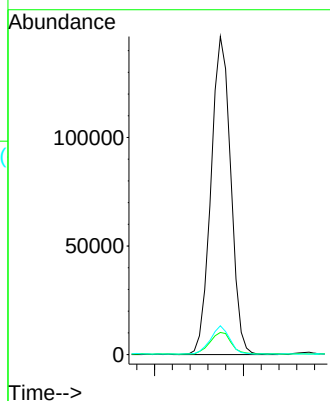
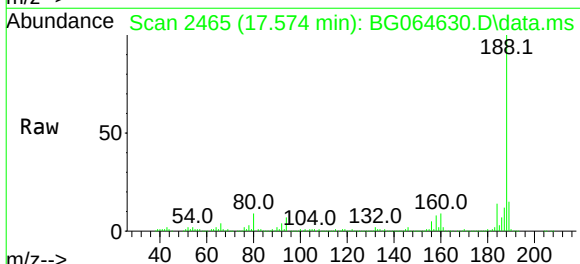
Tgt Ion:188 Resp: 226879

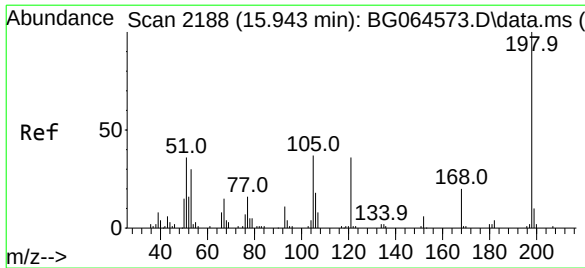
Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 9.1 6.8 10.2

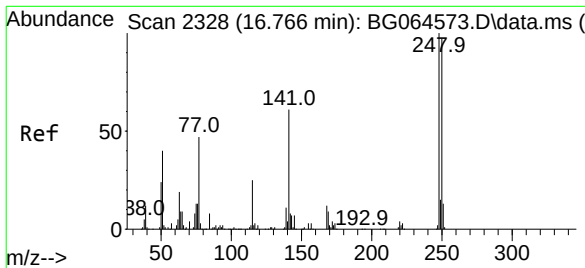
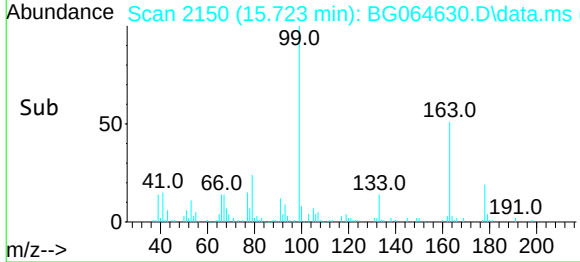
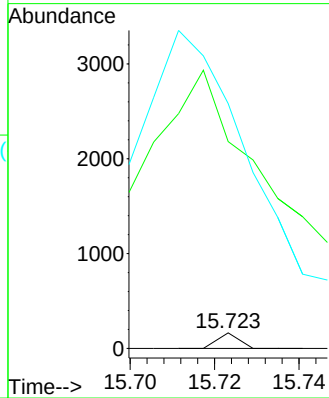
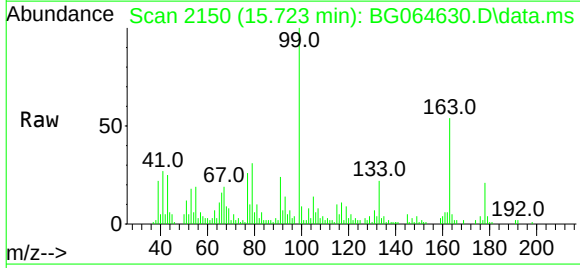




#65
4,6-Dinitro-2-methylphenol
Concen: 5.478 ng
RT: 15.723 min Scan# 211
Delta R.T. -0.224 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

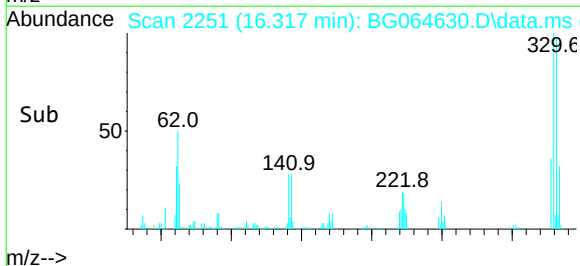
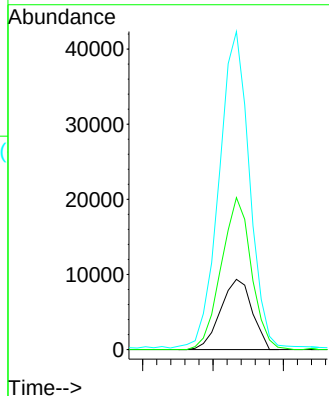
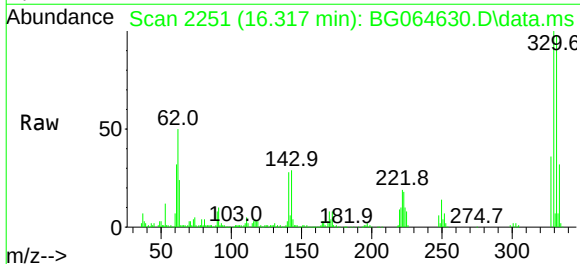
Instrument :
BNA_G
ClientSampleId :
MW-08

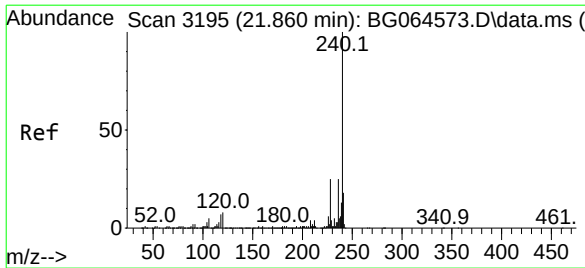
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 1329.9 24.7 64.7#
105 1574.4 18.0 58.0#



#67
4-Bromophenyl-phenylether
Concen: 5.402 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.453 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:248 Resp: 14525
Ion Ratio Lower Upper
248 100
250 207.0 77.7 116.5#
141 338.7 48.6 72.8#

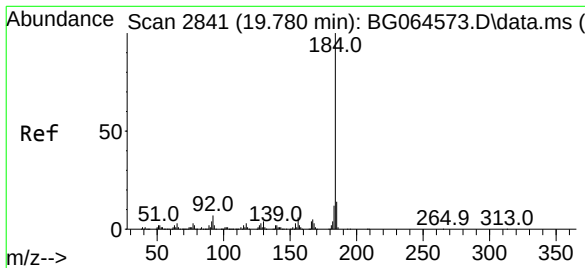
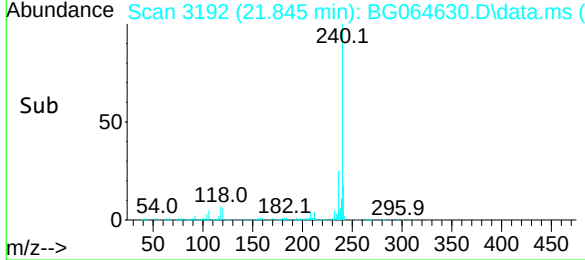
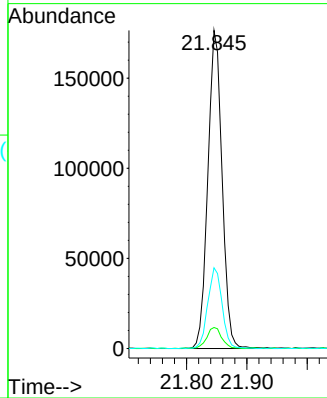
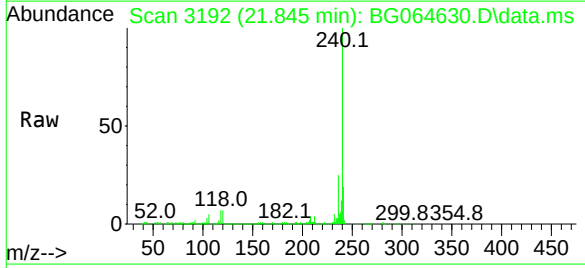




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.845 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

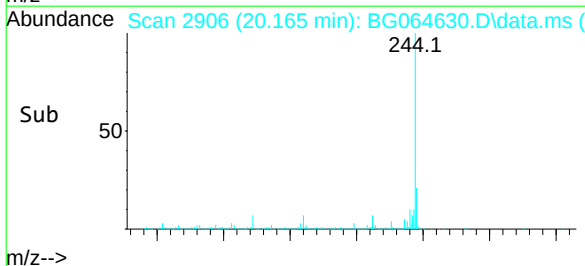
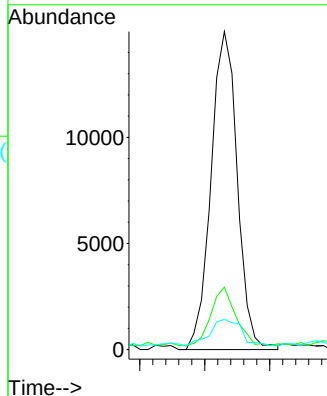
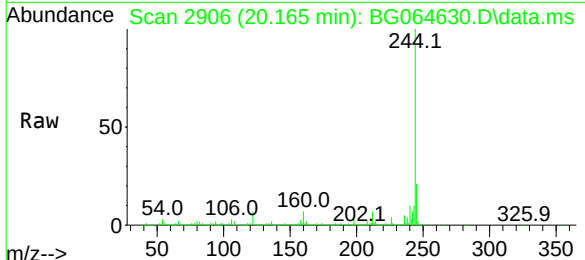
Instrument :
BNA_G
ClientSampleId :
MW-08

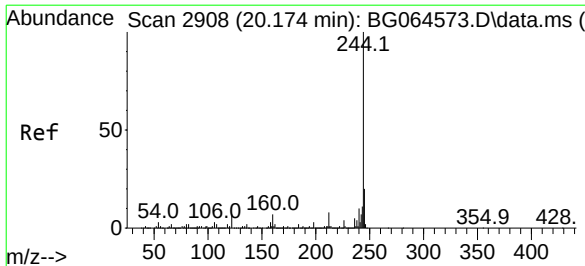
Tgt Ion:240 Resp: 289509
Ion Ratio Lower Upper
240 100
120 6.6 6.5 9.7
236 25.4 20.2 30.2



#77
Benzidine
Concen: 3.250 ng
RT: 20.165 min Scan# 2906
Delta R.T. 0.382 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:184 Resp: 21083
Ion Ratio Lower Upper
184 100
185 19.6 11.4 17.2#
183 9.5 9.4 14.2

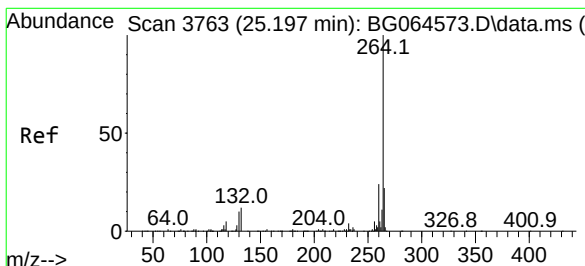
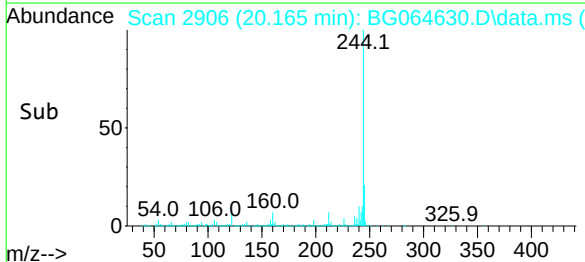
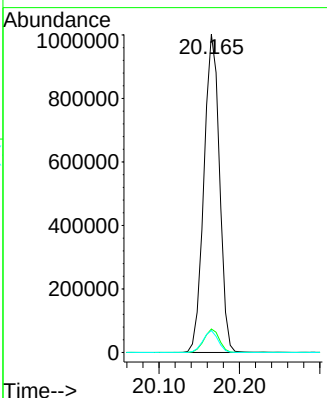
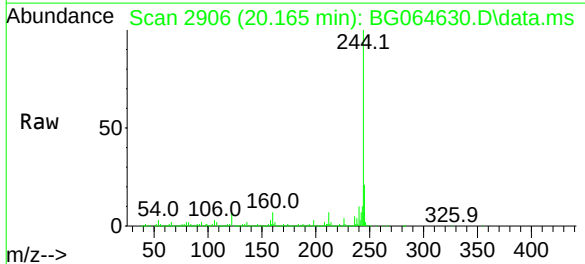




#79
 Terphenyl-d14
 Concen: 87.857 ng
 RT: 20.165 min Scan# 2908
 Delta R.T. -0.012 min
 Lab File: BG064630.D
 Acq: 29 Oct 2025 19:37

Instrument :
 BNA_G
 ClientSampleId :
 MW-08

Tgt Ion:244 Resp: 1347806
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 6.9 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.189 min Scan# 3761
 Delta R.T. -0.012 min
 Lab File: BG064630.D
 Acq: 29 Oct 2025 19:37

Tgt Ion:264 Resp: 314104
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.4
 265 21.3 17.6 26.4

