

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064909.D
 Acq On : 9 Dec 2025 17:41
 Operator : RC/JU
 Sample : PB170857TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 10 00:14:21 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)

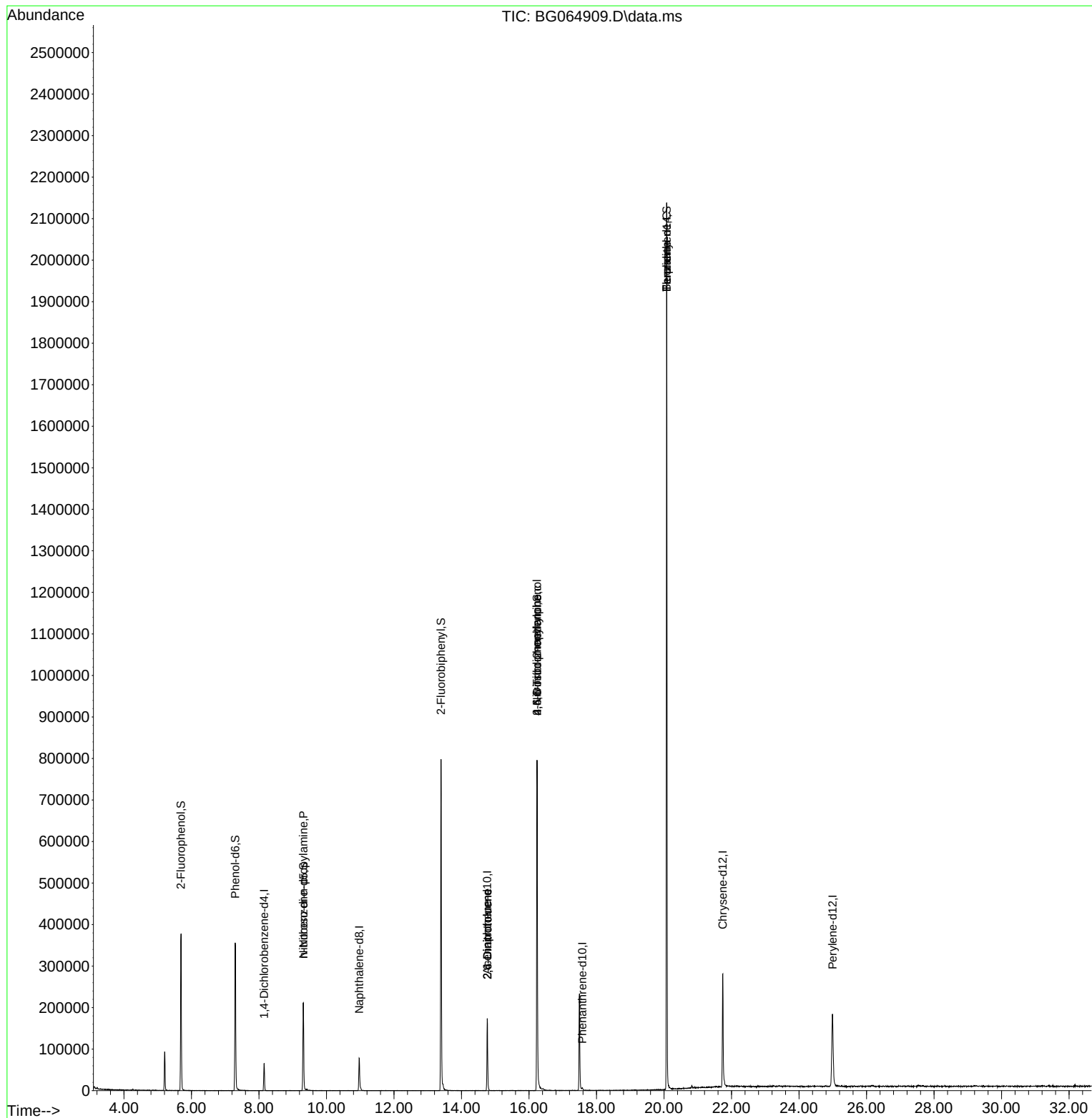
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	20536	20.000	ng	-0.01
21) Naphthalene-d8	10.973	136	77670	20.000	ng	#-0.01
39) Acenaphthene-d10	14.762	164	73436	20.000	ng	-0.01
64) Phenanthrene-d10	17.583	188	7743	20.000	ng	0.08
76) Chrysene-d12	21.742	240	221194	20.000	ng	#-0.01
86) Perylene-d12	24.992	264	243364	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	150916	128.327	ng	0.00
7) Phenol-d6	7.295	99	195249	124.826	ng	-0.01
23) Nitrobenzene-d5	9.316	82	124297	79.124	ng	-0.01
42) 2,4,6-Tribromophenol	16.237	330	222570	155.401	ng	-0.01
45) 2-Fluorobiphenyl	13.393	172	459926	87.390	ng	-0.01
79) Terphenyl-d14	20.080	244	1160309	103.187	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.316	70	16975	16.050	ng	# 77
51) 2,6-Dinitrotoluene	14.768	165	8948	8.016	ng	# 21
57) 2,4-Dinitrotoluene	14.768	165	8948	5.347	ng	# 24
65) 4,6-Dinitro-2-methylph...	16.237	198	333	7.746	ng	# 20
66) n-Nitrosodiphenylamine	16.237	169	4895	24.135	ng	# 46
75) Fluoranthene	20.080	202	3548	6.125	ng	90
77) Benzidine	20.080	184	15318	2.312	ng	# 94

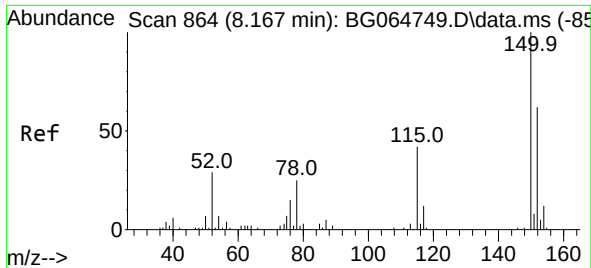
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

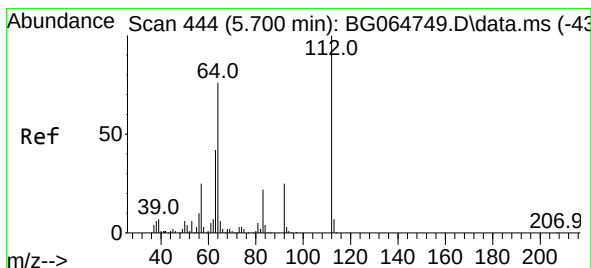
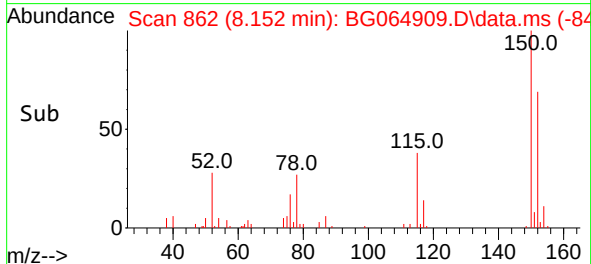
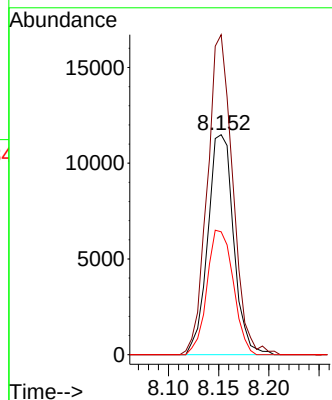
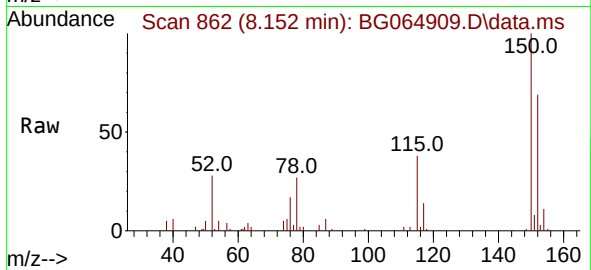




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.152 min Scan# 80
 Delta R.T. -0.014 min
 Lab File: BG064909.D
 Acq: 9 Dec 2025 17:41

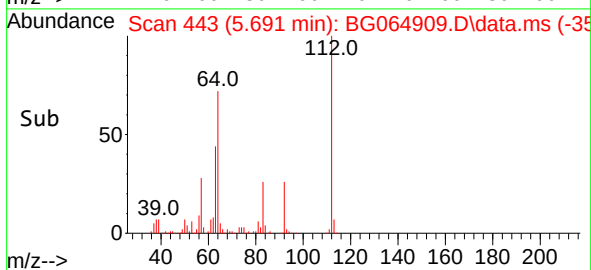
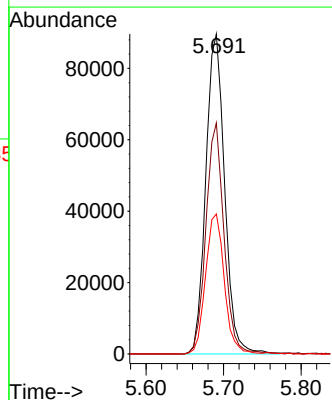
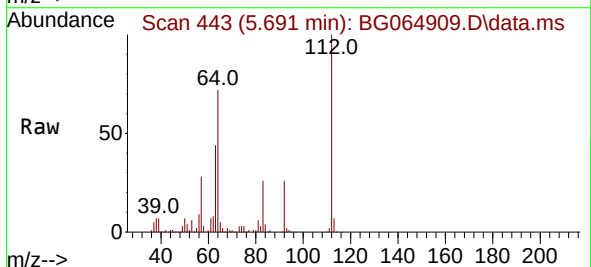
Instrument :
 BNA_G
 ClientSampleId :

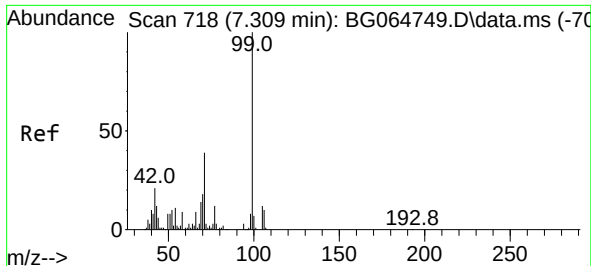
Tgt Ion:152 Resp: 20536
 Ion Ratio Lower Upper
 152 100
 150 145.5 129.2 193.8
 115 55.8 53.7 80.5



#5
 2-Fluorophenol
 Concen: 128.327 ng
 RT: 5.691 min Scan# 443
 Delta R.T. -0.009 min
 Lab File: BG064909.D
 Acq: 9 Dec 2025 17:41

Tgt Ion:112 Resp: 150916
 Ion Ratio Lower Upper
 112 100
 64 72.2 61.0 91.4
 63 43.8 33.3 49.9

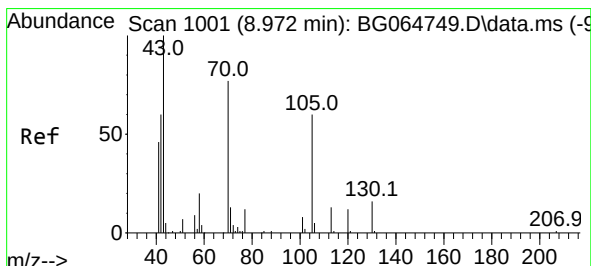
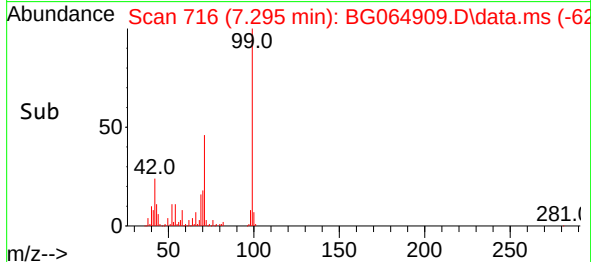
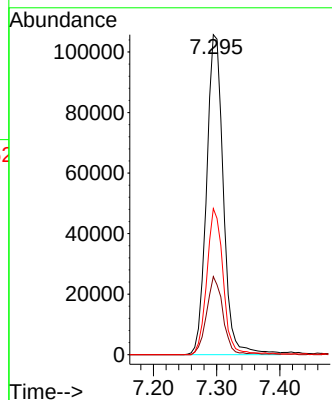
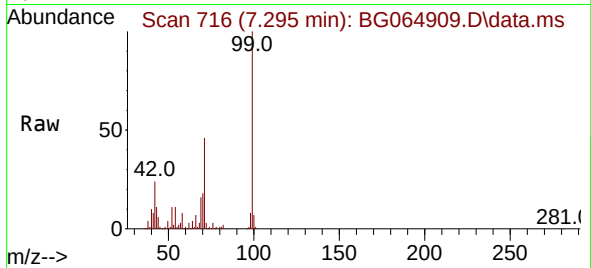




#7
Phenol-d6
Concen: 124.826 ng
RT: 7.295 min Scan# 718
Delta R.T. -0.015 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

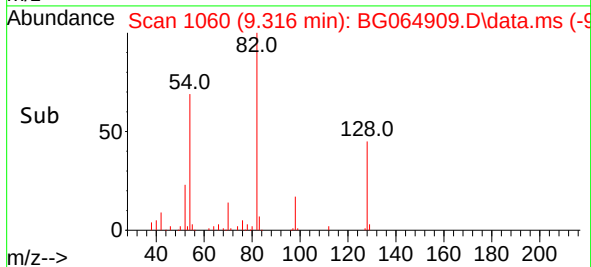
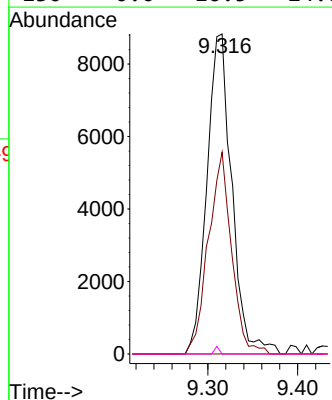
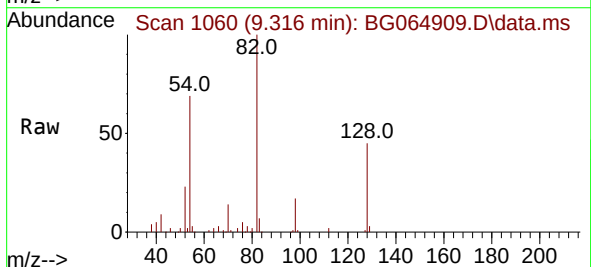
Instrument :
BNA_G
ClientSampleId :

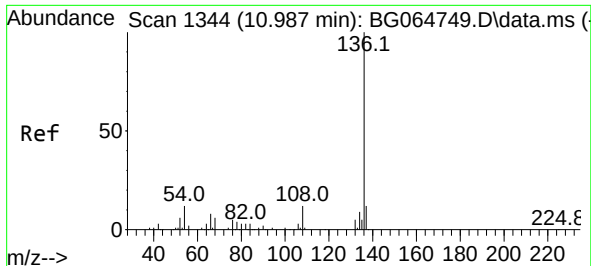
Tgt Ion: 99 Resp: 195249
Ion Ratio Lower Upper
99 100
42 24.4 16.8 25.2
71 45.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.050 ng
RT: 9.316 min Scan# 1060
Delta R.T. 0.344 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

Tgt Ion: 70 Resp: 16975
Ion Ratio Lower Upper
70 100
42 63.1 62.6 93.8
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

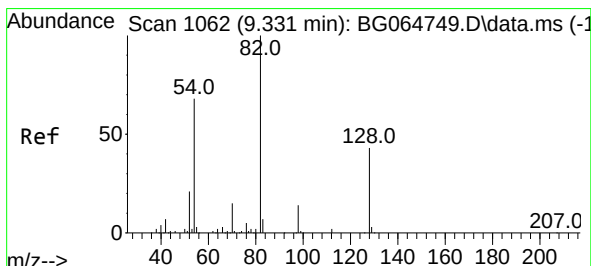
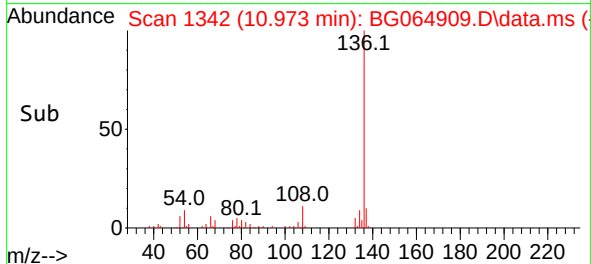
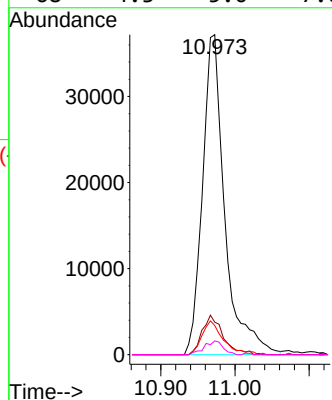
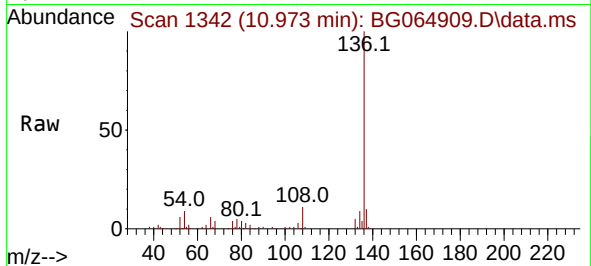




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

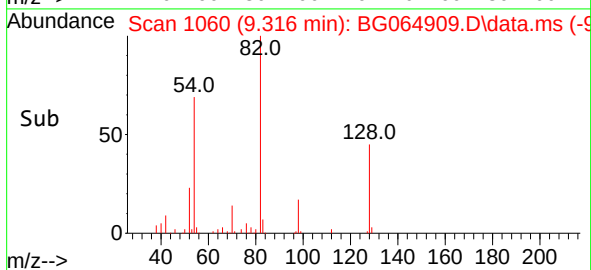
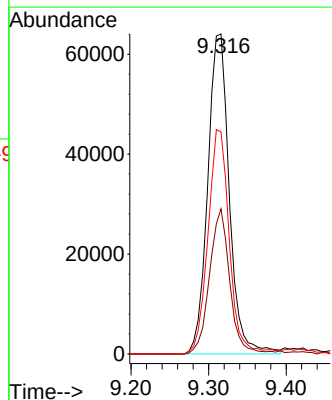
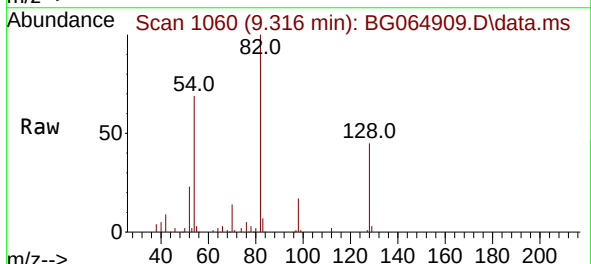
Instrument :
BNA_G
ClientSampleId :

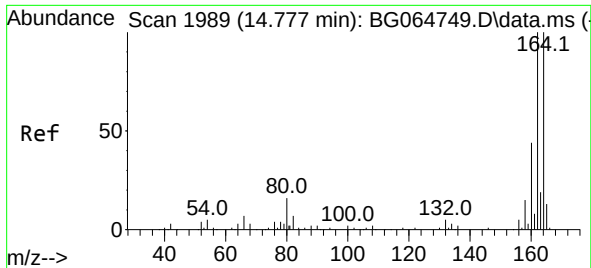
Tgt Ion:136 Resp: 77670
Ion Ratio Lower Upper
136 100
137 10.1 9.3 13.9
54 9.1 9.3 13.9#
68 4.3 5.0 7.6#



#23
Nitrobenzene-d5
Concen: 79.124 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.015 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

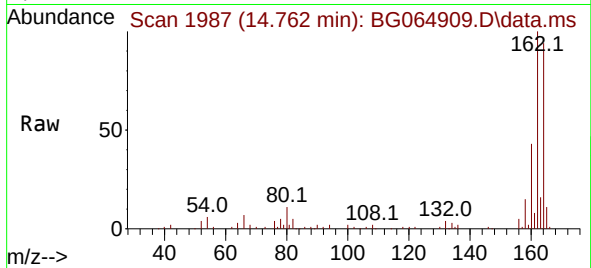
Tgt Ion: 82 Resp: 124297
Ion Ratio Lower Upper
82 100
128 45.3 34.1 51.1
54 69.4 54.3 81.5



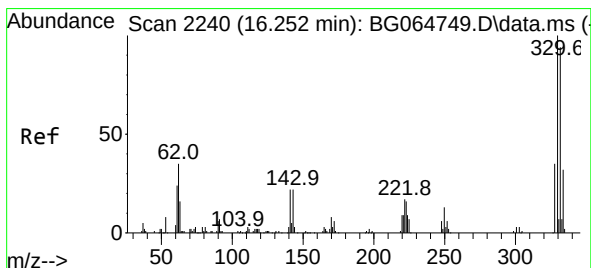
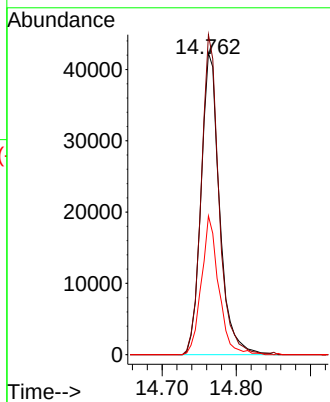
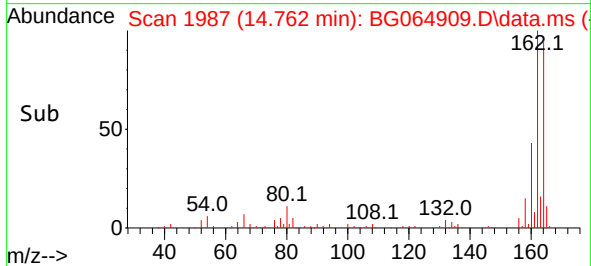


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.762 min Scan# 1987
Delta R.T. -0.015 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

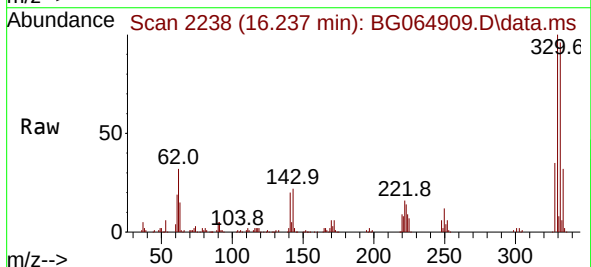
Instrument :
BNA_G
ClientSampleId :



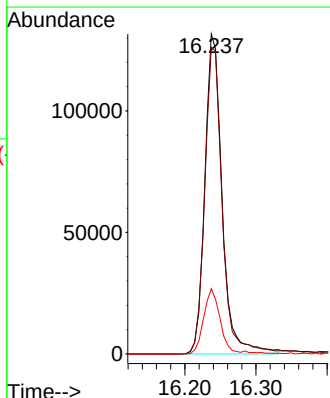
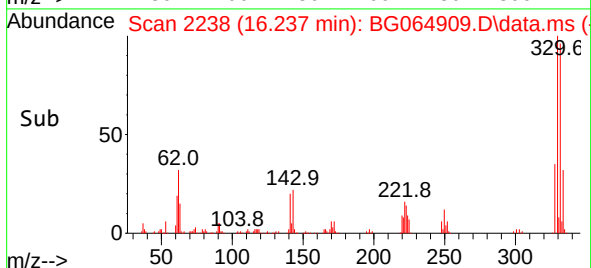
Tgt Ion:164 Resp: 73436
Ion Ratio Lower Upper
164 100
162 106.0 79.8 119.6
160 46.0 34.9 52.3

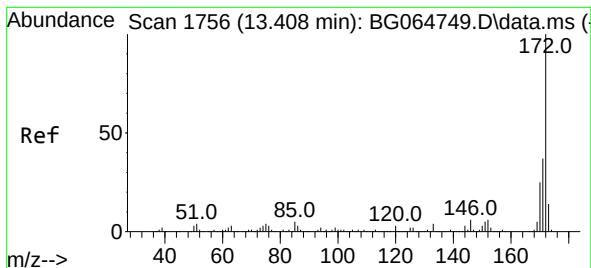


#42
2,4,6-Tribromophenol
Concen: 155.401 ng
RT: 16.237 min Scan# 2238
Delta R.T. -0.015 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41



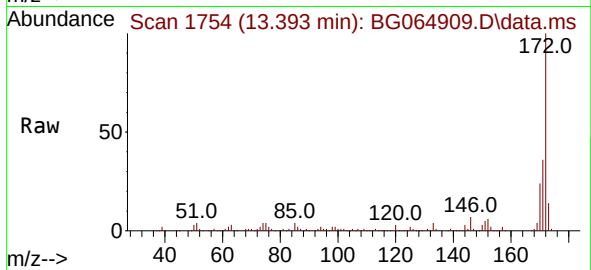
Tgt Ion:330 Resp: 222570
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 19.2 18.2 27.2



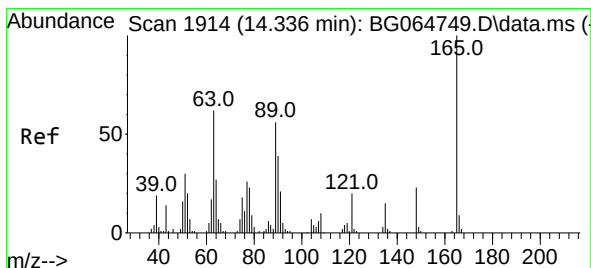
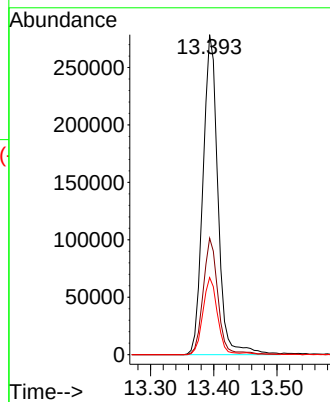
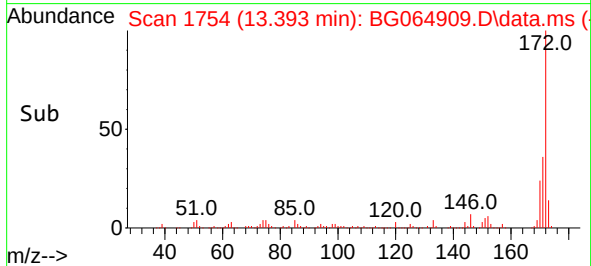


#45
2-Fluorobiphenyl
Concen: 87.390 ng
RT: 13.393 min Scan# 1
Delta R.T. -0.015 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

Instrument :
BNA_G
ClientSampleId :

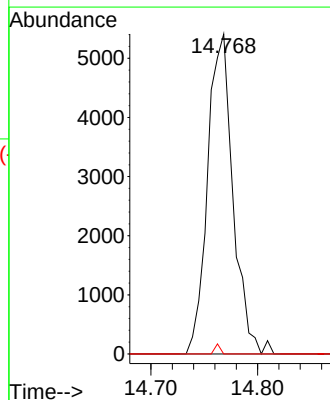
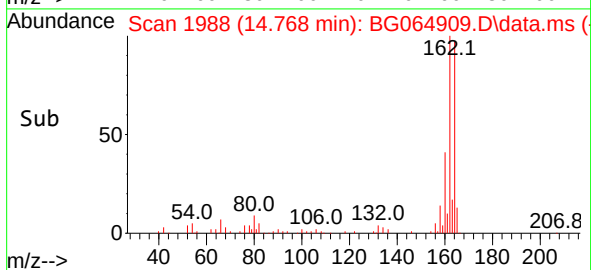
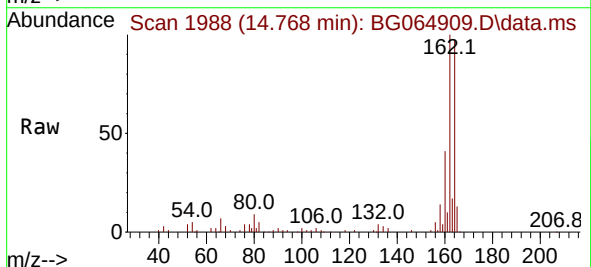


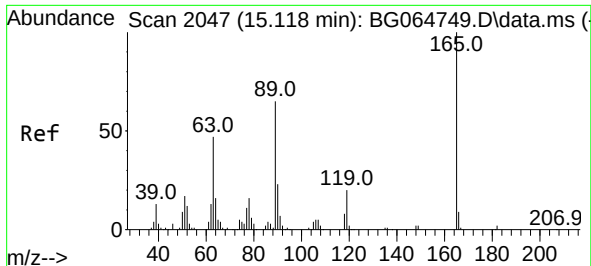
Tgt Ion:172 Resp: 459926
Ion Ratio Lower Upper
172 100
171 36.4 29.9 44.9
170 24.1 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.016 ng
RT: 14.768 min Scan# 1988
Delta R.T. 0.432 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

Tgt Ion:165 Resp: 8948
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: 5.347 ng

RT: 14.768 min Scan# 1988

Delta R.T. -0.350 min

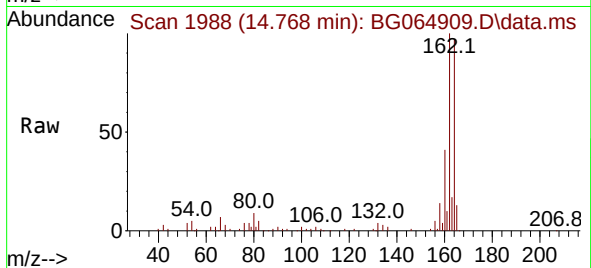
Lab File: BG064909.D

Acq: 9 Dec 2025 17:41

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 8948

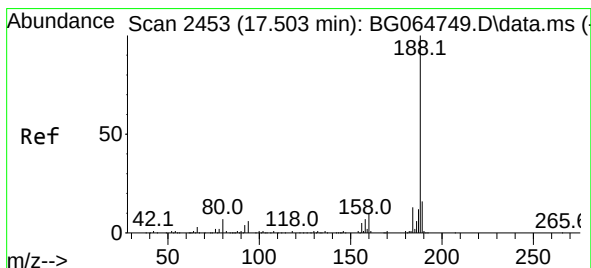
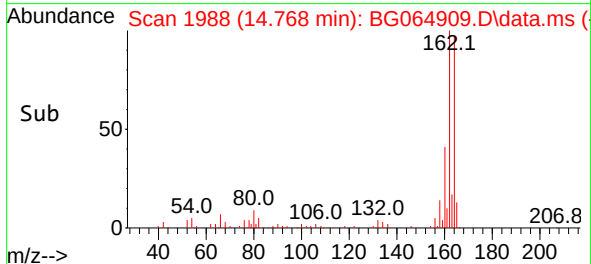
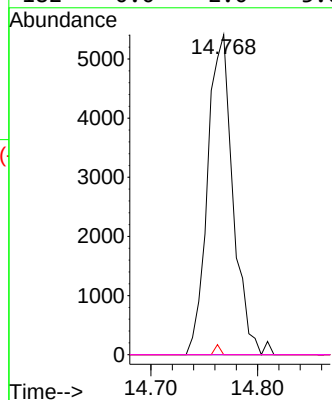
Ion Ratio Lower Upper

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: 17.583 min Scan# 2467

Delta R.T. 0.079 min

Lab File: BG064909.D

Acq: 9 Dec 2025 17:41

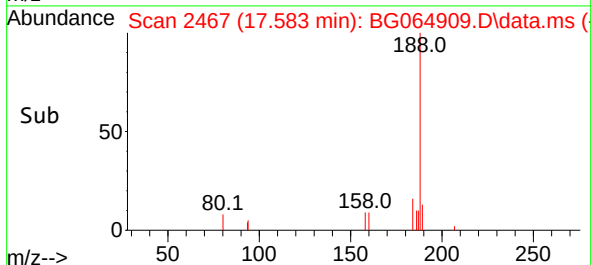
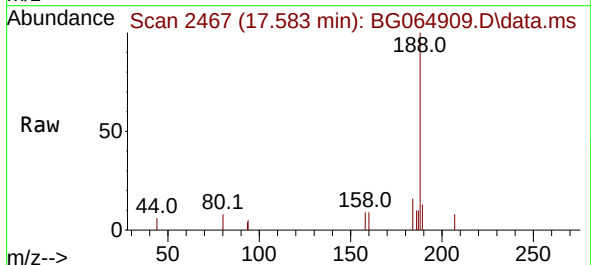
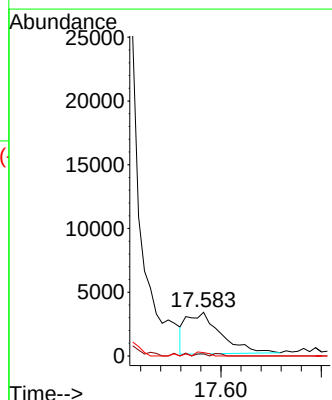
Tgt Ion:188 Resp: 7743

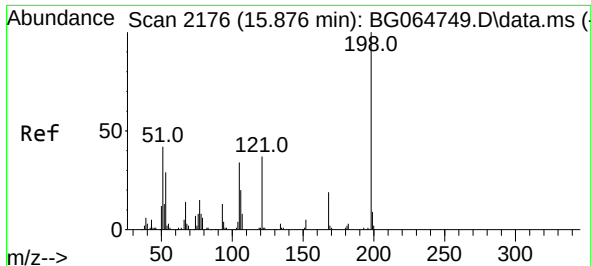
Ion Ratio Lower Upper

188 100

94 4.9 4.7 7.1

80 7.6 5.4 8.2

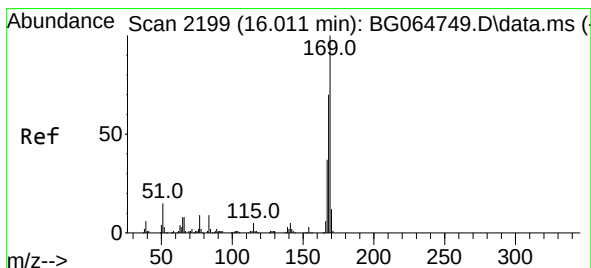
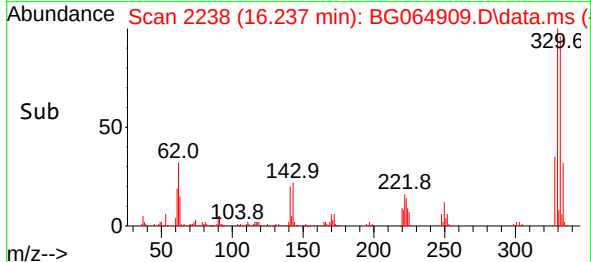
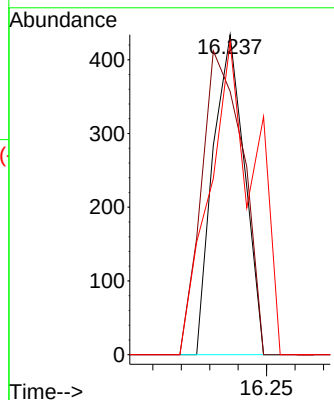
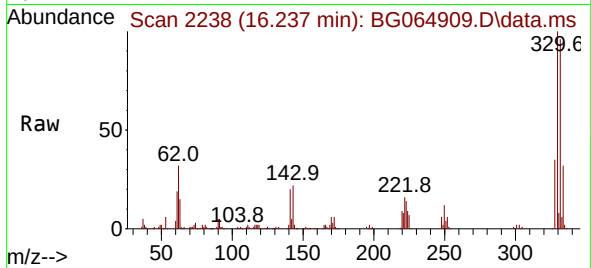




#65
4,6-Dinitro-2-methylphenol
Concen: 7.746 ng
RT: 16.237 min Scan# 2176
Delta R.T. 0.361 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

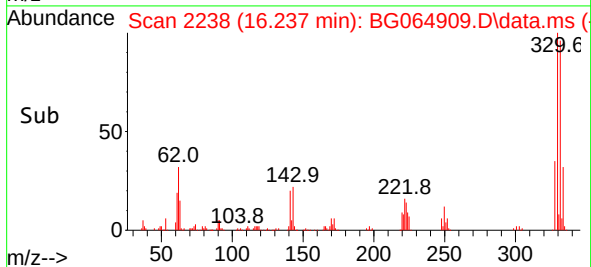
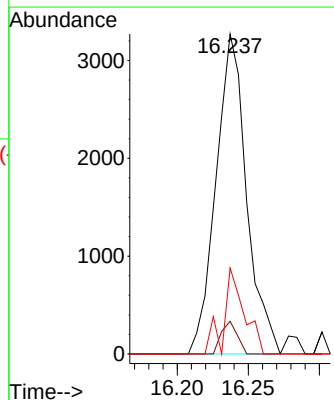
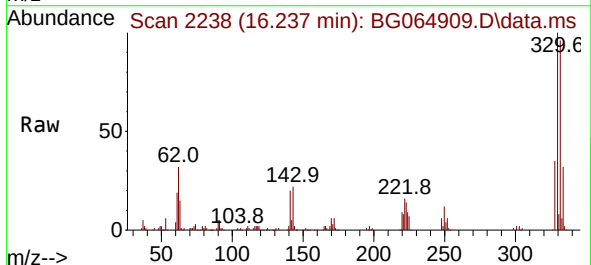
Instrument :
BNA_G
ClientSampleId :

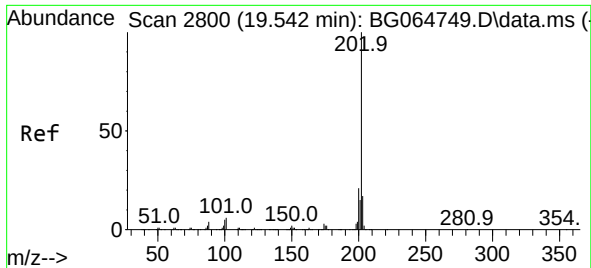
Tgt Ion:198 Resp: 333
Ion Ratio Lower Upper
198 100
51 82.3 25.2 65.2#
105 97.7 14.2 54.2#



#66
n-Nitrosodiphenylamine
Concen: 24.135 ng
RT: 16.237 min Scan# 2238
Delta R.T. 0.226 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

Tgt Ion:169 Resp: 4895
Ion Ratio Lower Upper
169 100
168 10.2 55.9 83.9#
167 26.8 29.8 44.6#

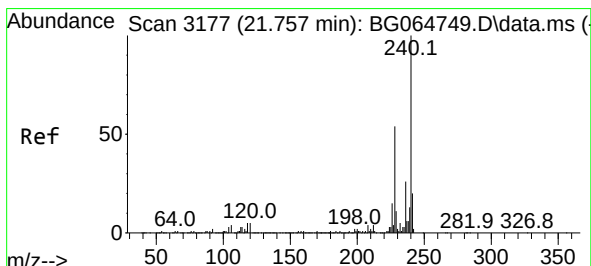
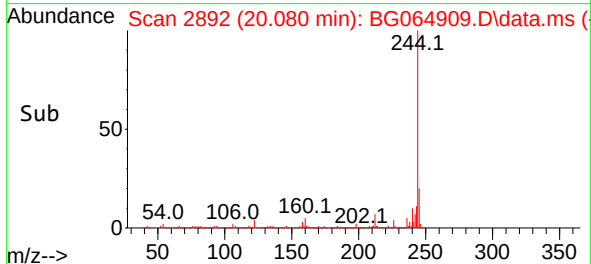
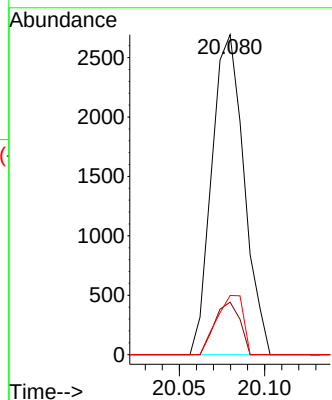
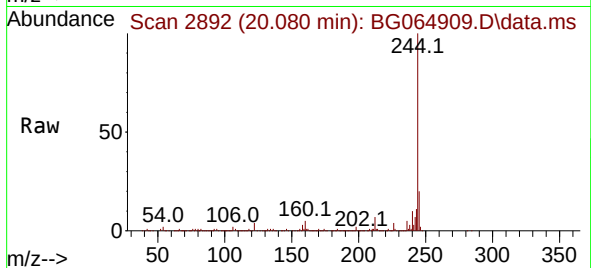




#75
Fluoranthene
Concen: 6.125 ng
RT: 20.080 min Scan# 21
Delta R.T. 0.538 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

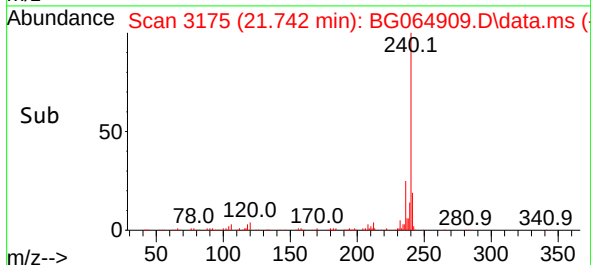
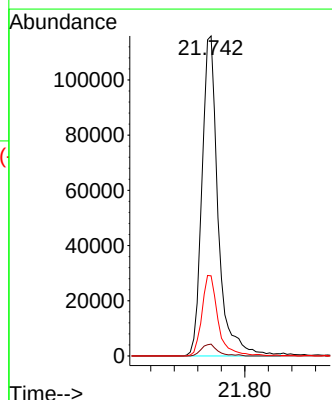
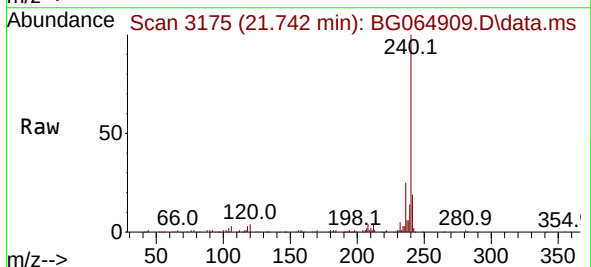
Instrument :
BNA_G
ClientSampleId :

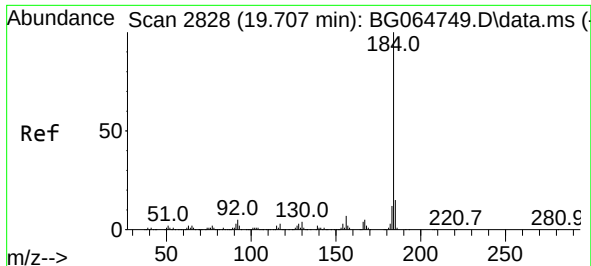
Tgt Ion:202 Resp: 3548
Ion Ratio Lower Upper
202 100
101 16.4 0.0 26.4
203 18.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.015 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

Tgt Ion:240 Resp: 221194
Ion Ratio Lower Upper
240 100
120 3.7 4.2 6.4#
236 25.1 20.8 31.2

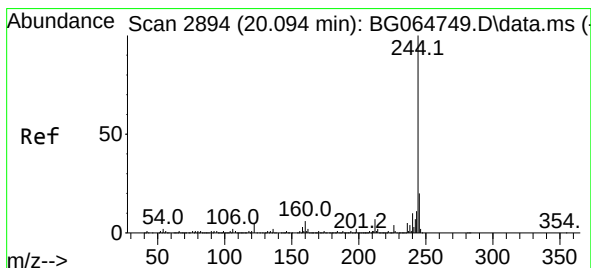
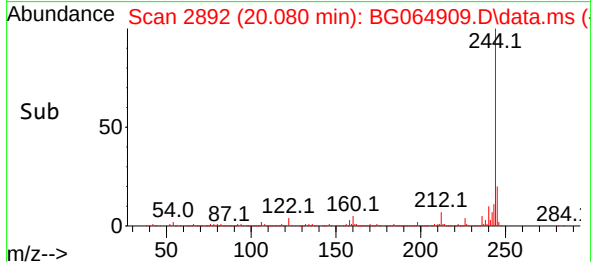
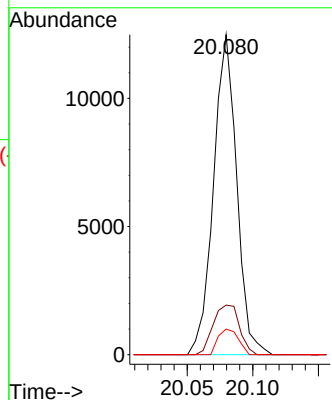
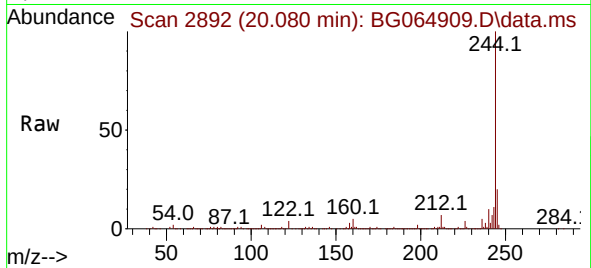




#77
Benzidine
Concen: 2.312 ng
RT: 20.080 min Scan# 2892
Delta R.T. 0.373 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

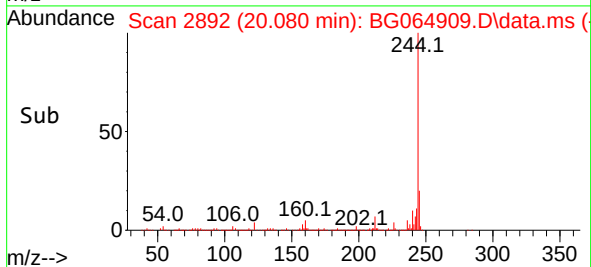
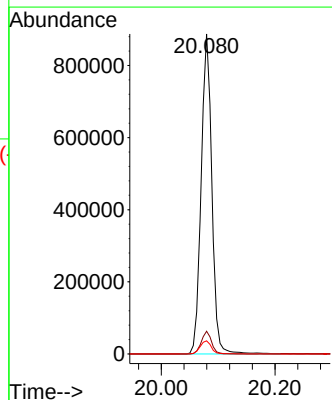
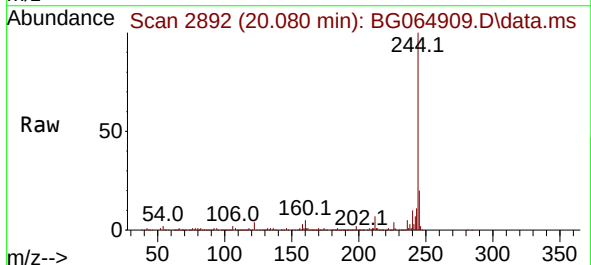
Instrument :
BNA_G
ClientSampleId :

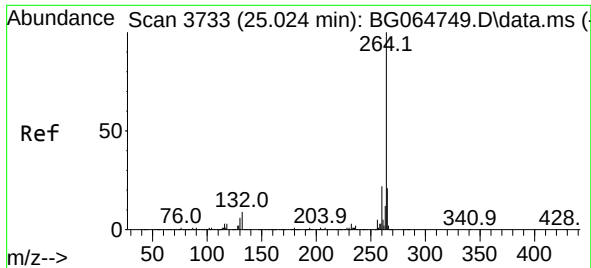
Tgt Ion:184 Resp: 15318
Ion Ratio Lower Upper
184 100
185 15.5 11.8 17.6
183 8.0 9.8 14.6#



#79
Terphenyl-d14
Concen: 103.187 ng
RT: 20.080 min Scan# 2892
Delta R.T. -0.015 min
Lab File: BG064909.D
Acq: 9 Dec 2025 17:41

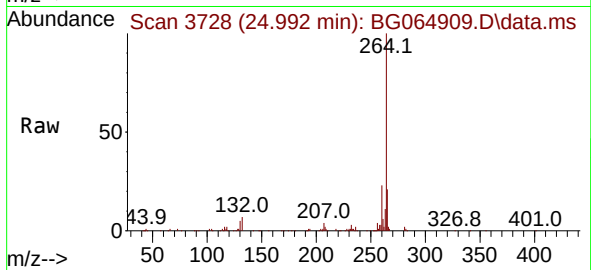
Tgt Ion:244 Resp: 1160309
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 4.1 4.3 6.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.992 min Scan# 31
 Delta R.T. -0.032 min
 Lab File: BG064909.D
 Acq: 9 Dec 2025 17:41

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 243364
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.2 25.8
 265 20.8 16.6 25.0

