

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064650.D
 Acq On : 30 Oct 2025 21:13
 Operator : RC/JU
 Sample : Q3482-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-3

Quant Time: Oct 31 01:49:51 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)

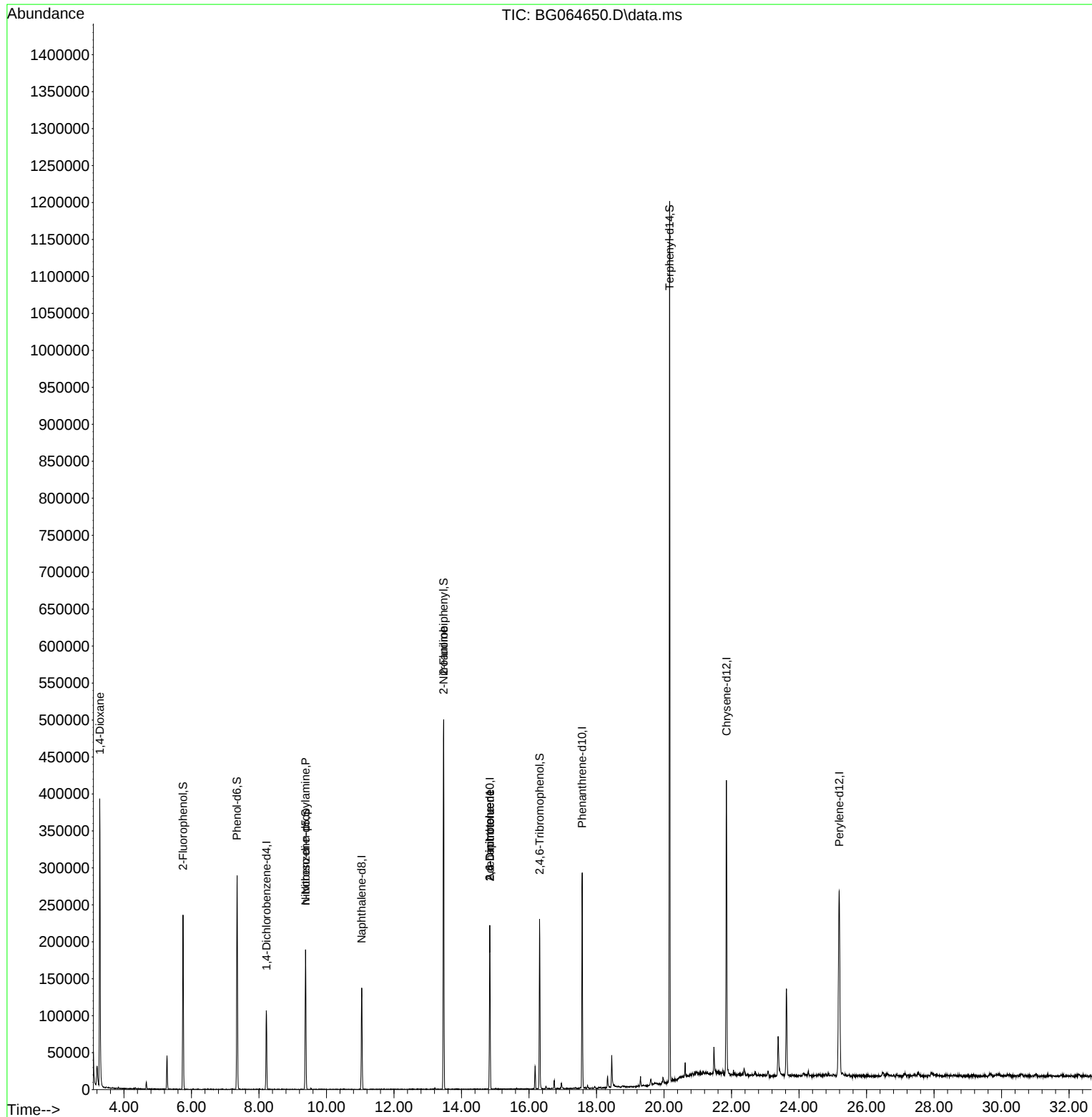
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	28758	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	111288	20.000	ng	-0.01
39) Acenaphthene-d10	14.838	164	81025	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	190984	20.000	ng	0.00
76) Chrysene-d12	21.847	240	263519	20.000	ng	#-0.02
86) Perylene-d12	25.190	264	303646	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	90794	52.993	ng	0.00
7) Phenol-d6	7.347	99	147843	62.884	ng	-0.01
23) Nitrobenzene-d5	9.380	82	102016	55.058	ng	-0.01
42) 2,4,6-Tribromophenol	16.313	330	48832	41.757	ng	-0.01
45) 2-Fluorobiphenyl	13.469	172	261248	48.872	ng	-0.01
79) Terphenyl-d14	20.167	244	614932	44.038	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.281	88	2954	3.894	ng	# 1
19) n-Nitroso-di-n-propyla...	9.380	70	13910	8.561	ng	# 74
48) 2-Nitroaniline	13.463	65	452	3.514	ng	# 3
51) 2,6-Dinitrotoluene	14.838	165	10596	12.862	ng	# 17
57) 2,4-Dinitrotoluene	14.838	165	10596	9.324	ng	# 20

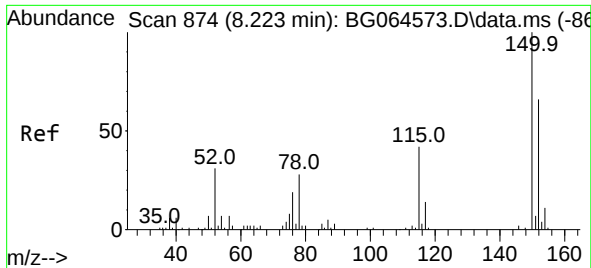
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
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Quant Time: Oct 31 01:49:51 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 26 16:40:26 2025
Response via : Initial Calibration

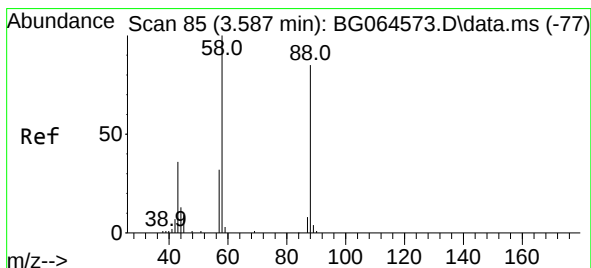
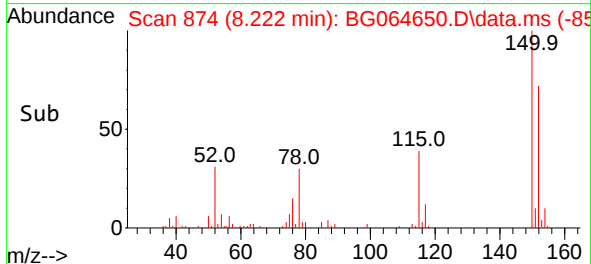
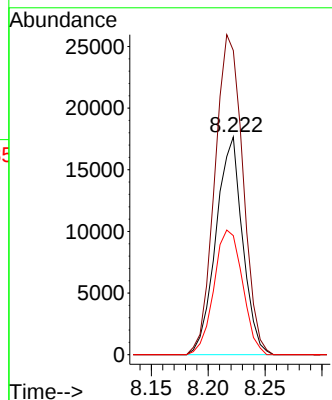
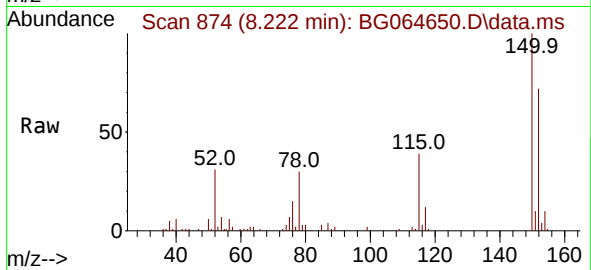




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.222 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BG064650.D
 Acq: 30 Oct 2025 21:13

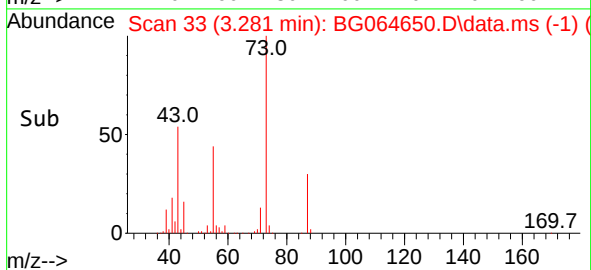
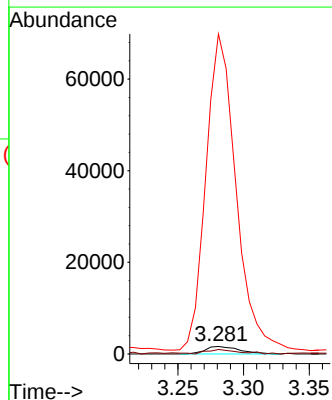
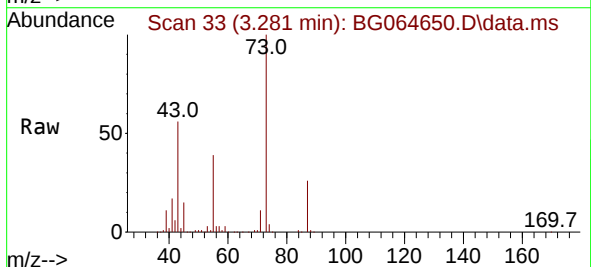
Instrument :
 BNA_G
 ClientSampleId :
 WC-3

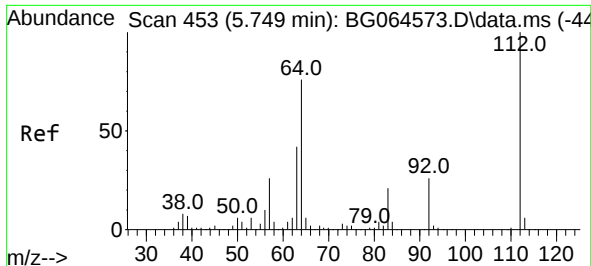
Tgt Ion:152 Resp: 28758
 Ion Ratio Lower Upper
 152 100
 150 139.7 122.2 183.4
 115 54.7 50.8 76.2



#2
 1,4-Dioxane
 Concen: 3.894 ng
 RT: 3.281 min Scan# 33
 Delta R.T. -0.310 min
 Lab File: BG064650.D
 Acq: 30 Oct 2025 21:13

Tgt Ion: 88 Resp: 2954
 Ion Ratio Lower Upper
 88 100
 58 56.6 92.4 138.6#
 43 3836.9 33.0 49.6#

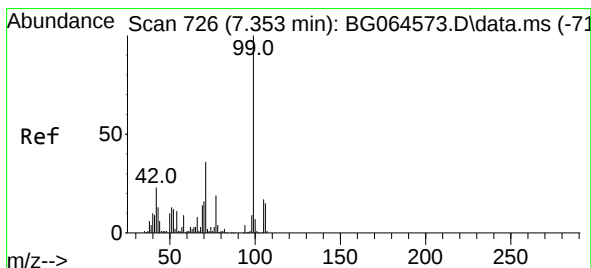
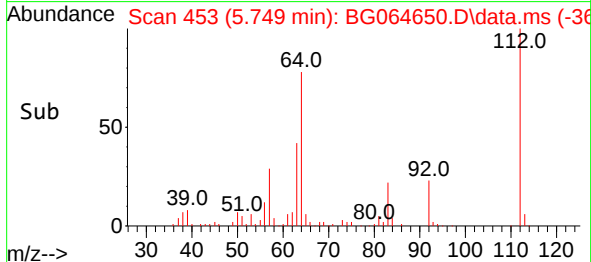
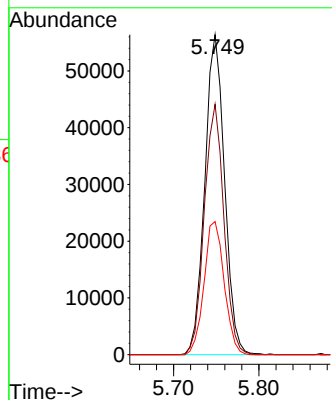
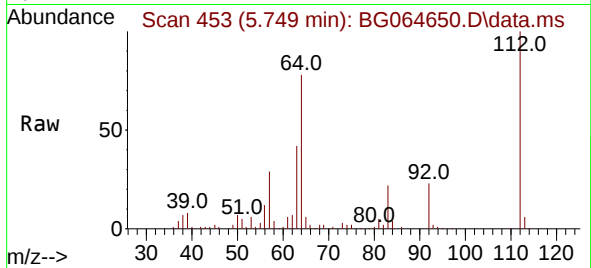




#5
2-Fluorophenol
Concen: 52.993 ng
RT: 5.749 min Scan# 411
Delta R.T. 0.002 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

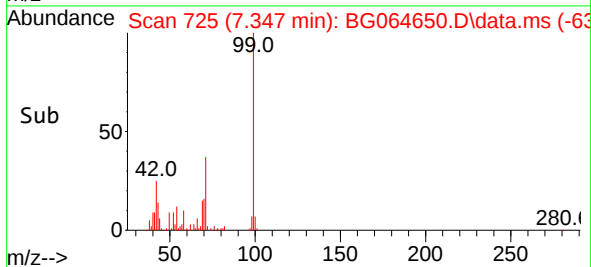
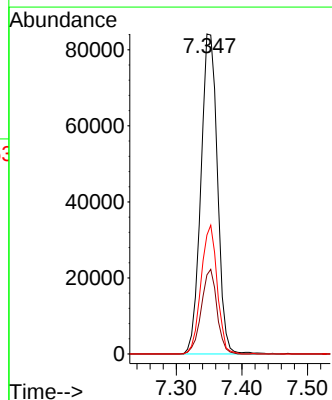
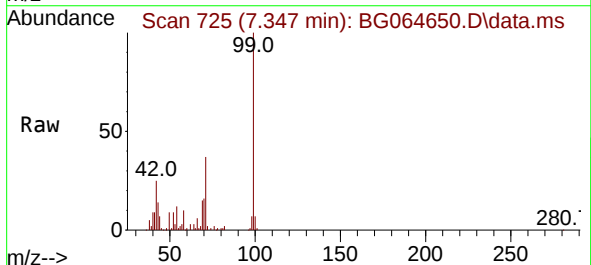
Instrument :
BNA_G
ClientSampleId :
WC-3

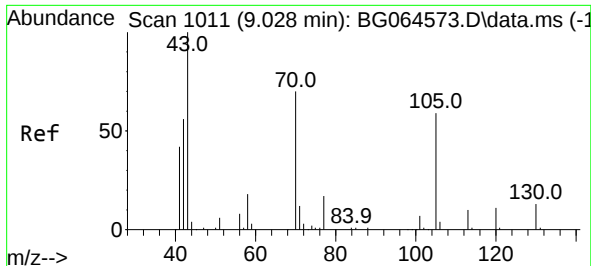
Tgt Ion:112 Resp: 90794
Ion Ratio Lower Upper
112 100
64 78.3 60.7 91.1
63 41.6 33.4 50.0



#7
Phenol-d6
Concen: 62.884 ng
RT: 7.347 min Scan# 725
Delta R.T. -0.010 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

Tgt Ion: 99 Resp: 147843
Ion Ratio Lower Upper
99 100
42 24.7 18.3 27.5
71 37.2 28.6 43.0





#19

n-Nitroso-di-n-propylamine

Concen: 8.561 ng

RT: 9.380 min Scan# 1011

Delta R.T. 0.348 min

Lab File: BG064650.D

Acq: 30 Oct 2025 21:13

Instrument :

BNA_G

ClientSampleId :

WC-3

Tgt Ion: 70 Resp: 13910

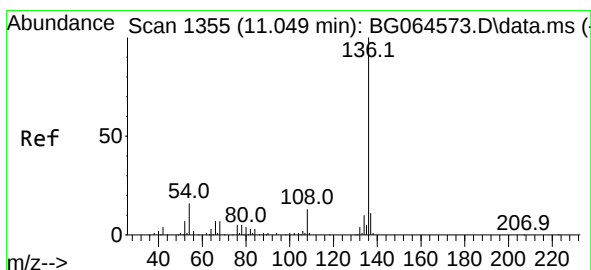
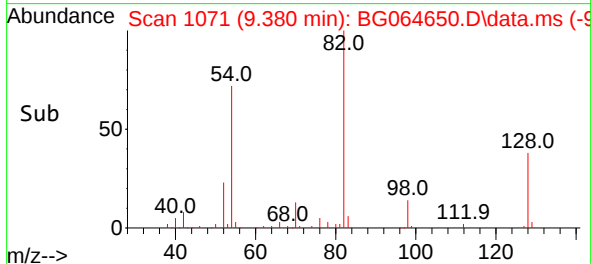
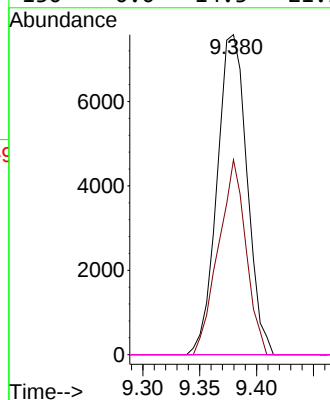
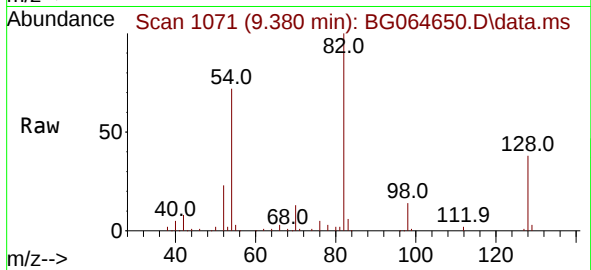
Ion Ratio Lower Upper

70 100

42 60.9 65.2 97.8#

101 0.0 7.9 11.9#

130 0.0 14.3 21.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.042 min Scan# 1354

Delta R.T. -0.010 min

Lab File: BG064650.D

Acq: 30 Oct 2025 21:13

Tgt Ion: 136 Resp: 111288

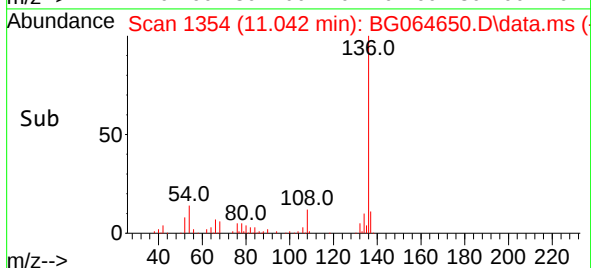
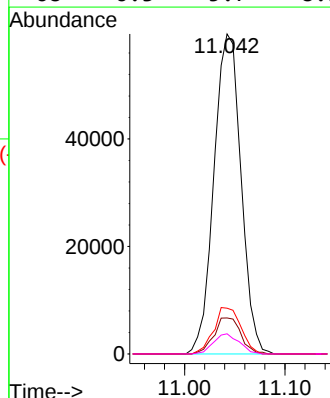
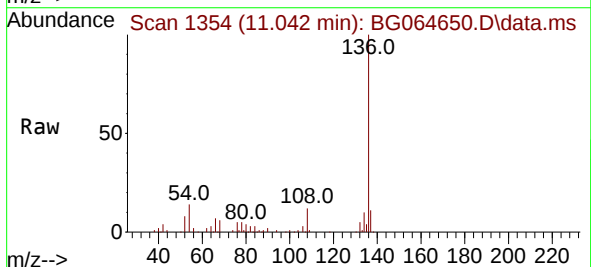
Ion Ratio Lower Upper

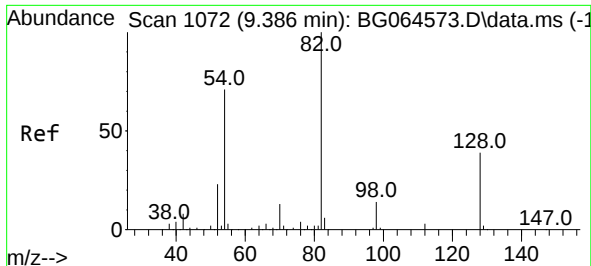
136 100

137 11.3 9.2 13.8

54 14.3 12.6 19.0

68 6.3 5.7 8.5





#23

Nitrobenzene-d5

Concen: 55.058 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.010 min

Lab File: BG064650.D

Acq: 30 Oct 2025 21:13

Instrument :

BNA_G

ClientSampleId :

WC-3

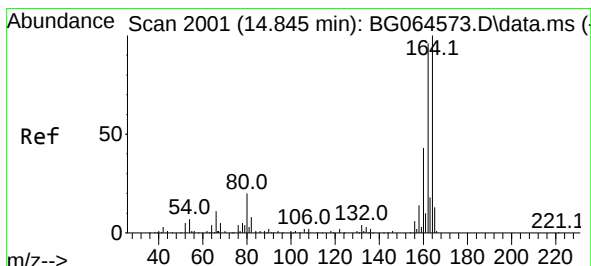
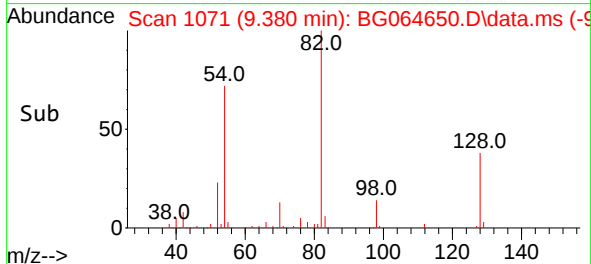
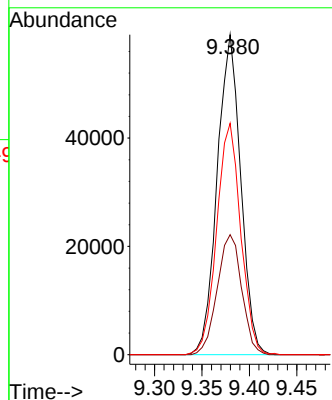
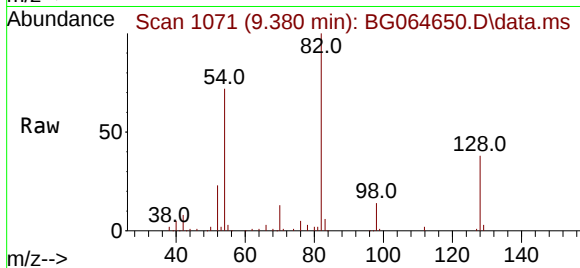
Tgt Ion: 82 Resp: 102016

Ion Ratio Lower Upper

82 100

128 37.5 31.3 46.9

54 72.3 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.838 min Scan# 2000

Delta R.T. -0.004 min

Lab File: BG064650.D

Acq: 30 Oct 2025 21:13

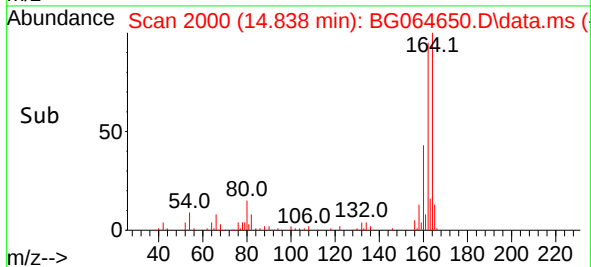
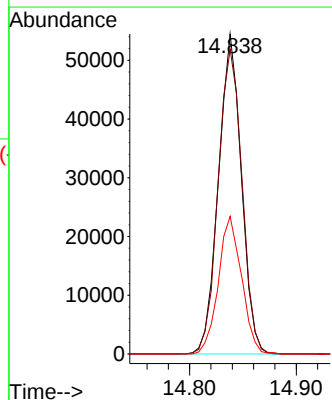
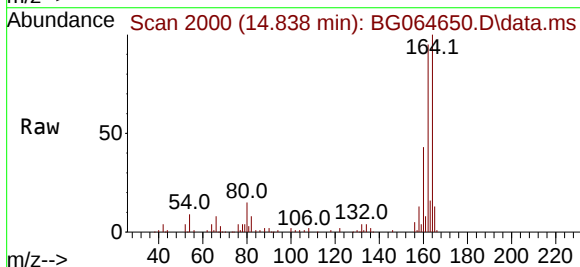
Tgt Ion: 164 Resp: 81025

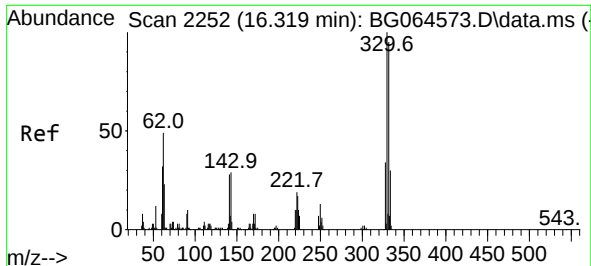
Ion Ratio Lower Upper

164 100

162 95.2 77.0 115.6

160 43.0 34.4 51.6

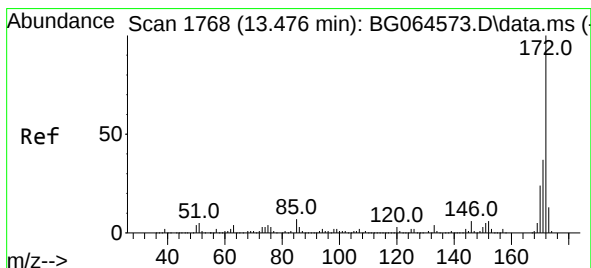
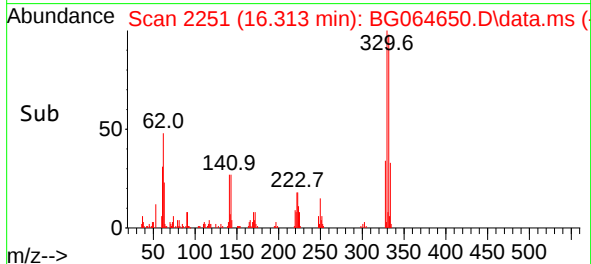
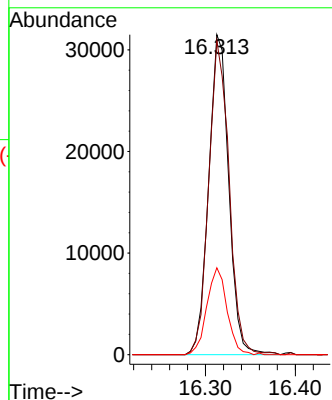
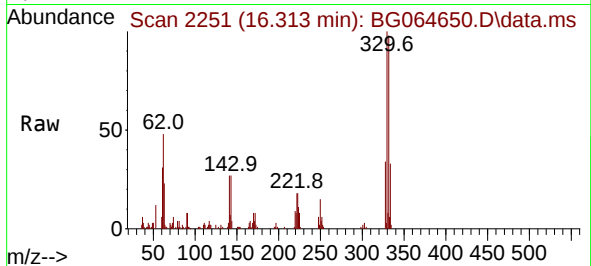




#42
2,4,6-Tribromophenol
Concen: 41.757 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

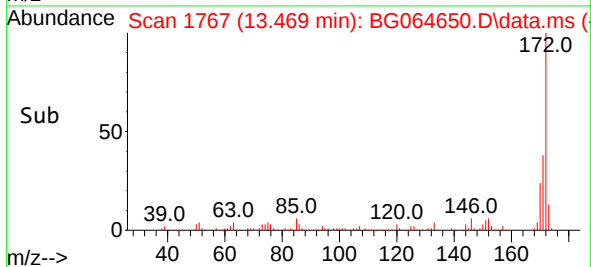
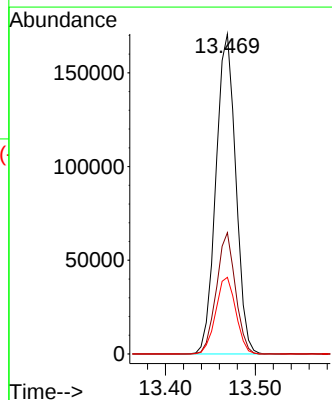
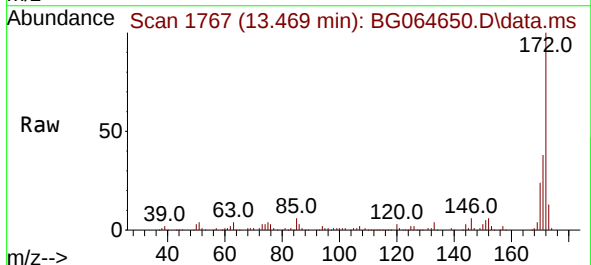
Instrument :
BNA_G
ClientSampleId :
WC-3

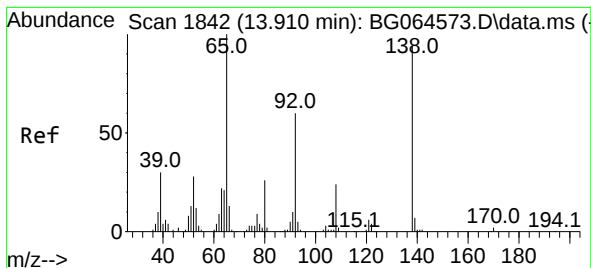
Tgt Ion:330 Resp: 48832
Ion Ratio Lower Upper
330 100
332 99.6 78.0 117.0
141 27.3 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 48.872 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

Tgt Ion:172 Resp: 261248
Ion Ratio Lower Upper
172 100
171 37.9 29.4 44.0
170 24.0 19.1 28.7





#48

2-Nitroaniline

Concen: 3.514 ng

RT: 13.463 min Scan# 1

Delta R.T. -0.451 min

Lab File: BG064650.D

Acq: 30 Oct 2025 21:13

Instrument :

BNA_G

ClientSampleId :

WC-3

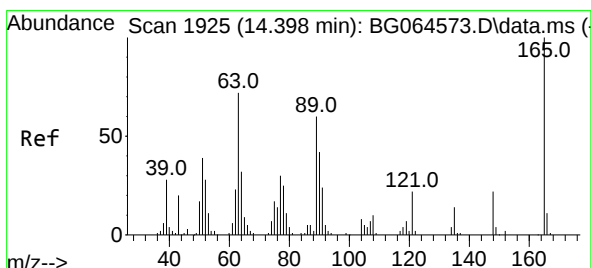
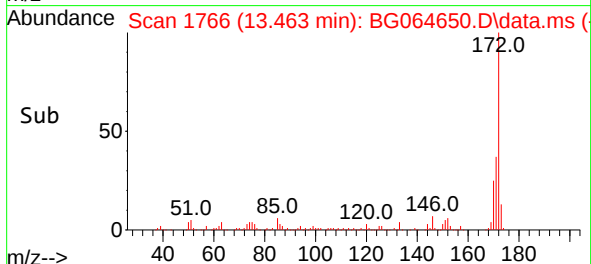
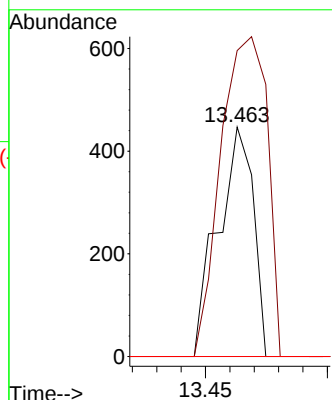
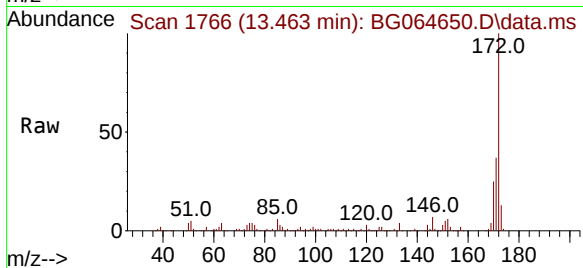
Tgt Ion: 65 Resp: 452

Ion Ratio Lower Upper

65 100

92 133.3 48.3 72.5#

138 0.0 74.9 112.3#



#51

2,6-Dinitrotoluene

Concen: 12.862 ng

RT: 14.838 min Scan# 2000

Delta R.T. 0.436 min

Lab File: BG064650.D

Acq: 30 Oct 2025 21:13

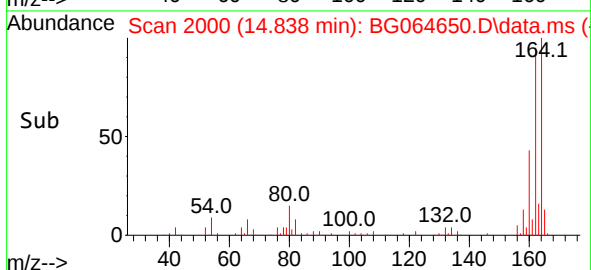
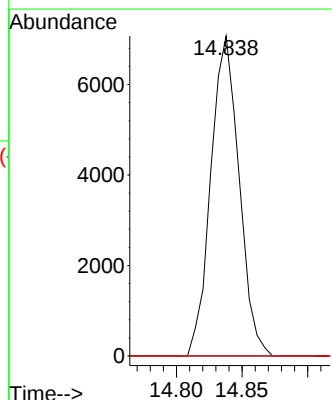
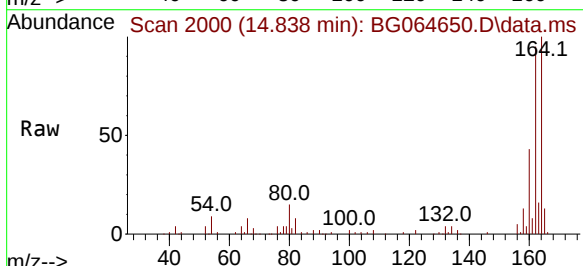
Tgt Ion: 165 Resp: 10596

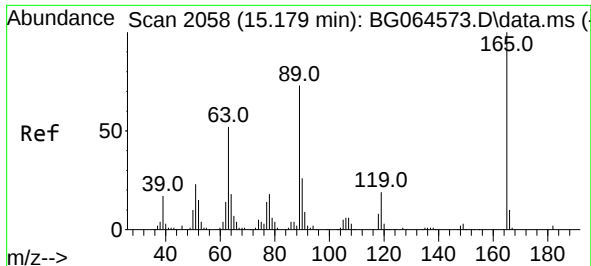
Ion Ratio Lower Upper

165 100

63 0.0 57.4 86.0#

89 0.0 47.8 71.8#

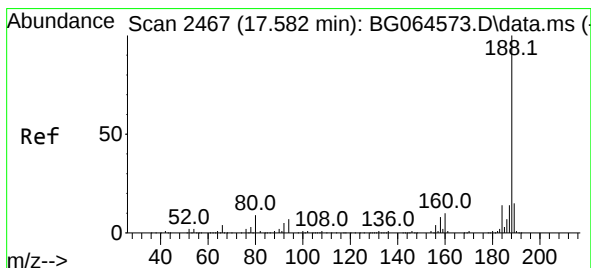
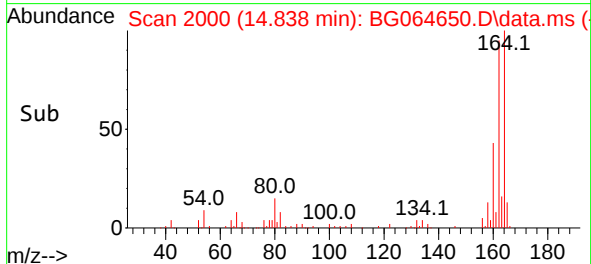
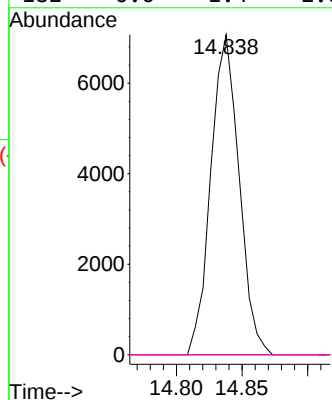
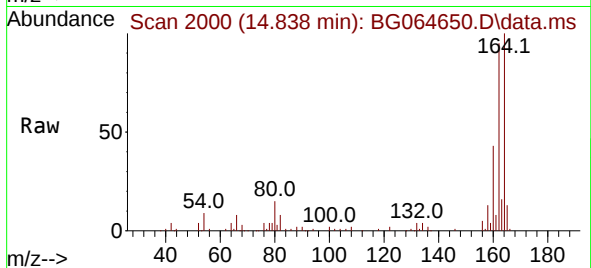




#57
2,4-Dinitrotoluene
Concen: 9.324 ng
RT: 14.838 min Scan# 2058
Delta R.T. -0.351 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

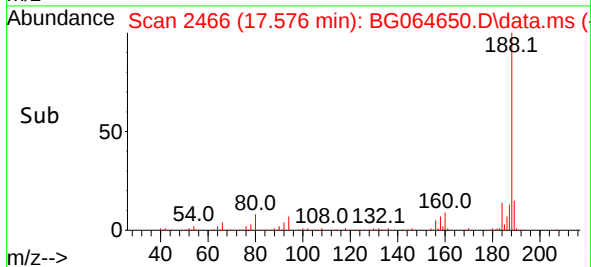
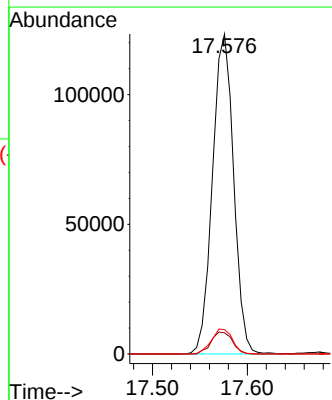
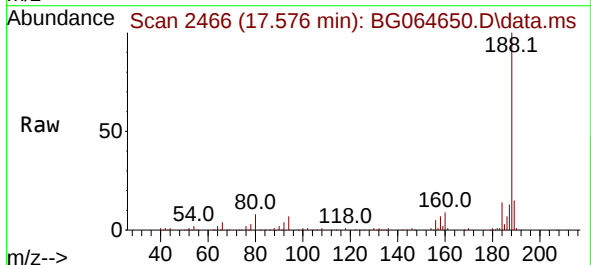
Instrument :
BNA_G
ClientSampleId :
WC-3

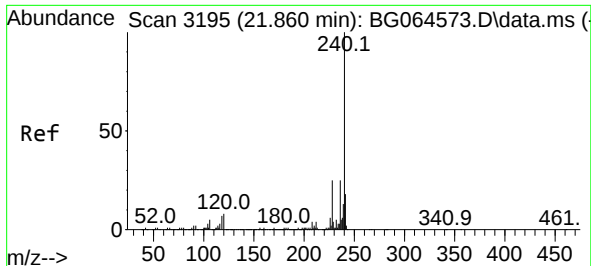
Tgt Ion:165 Resp: 10596
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

Tgt Ion:188 Resp: 190984
Ion Ratio Lower Upper
188 100
94 6.6 5.7 8.5
80 7.6 6.8 10.2

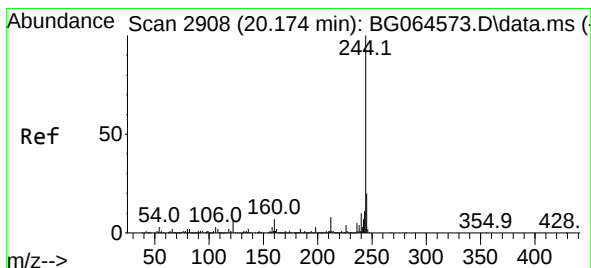
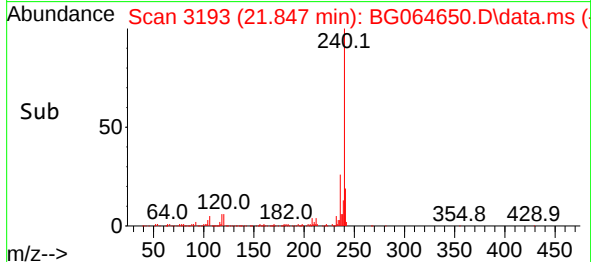
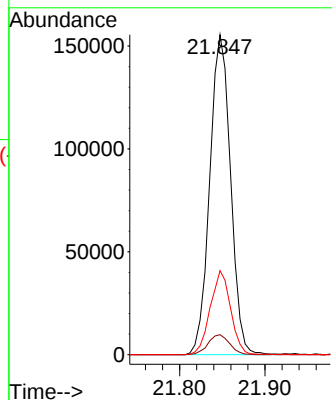
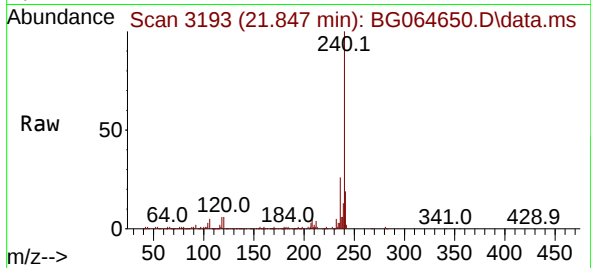




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.847 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

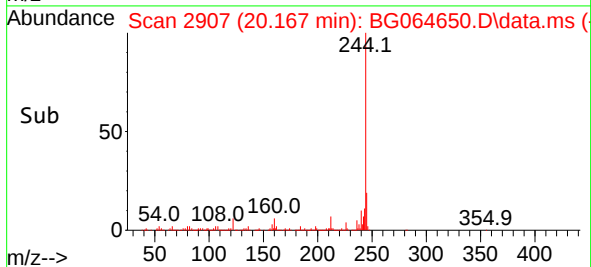
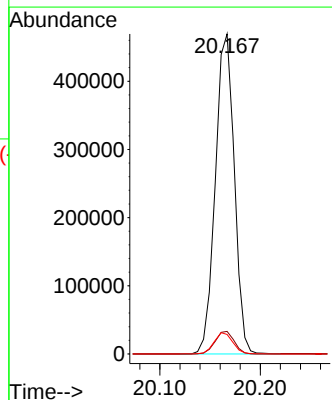
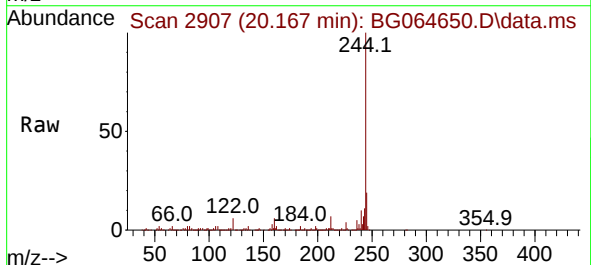
Instrument :
BNA_G
ClientSampleId :
WC-3

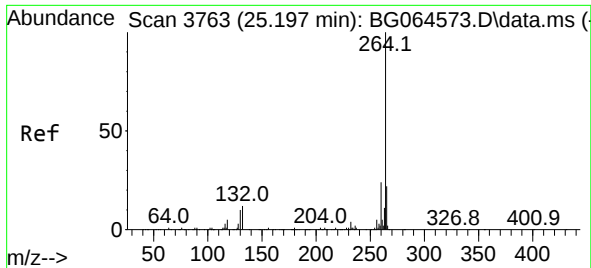
Tgt Ion:240 Resp: 263519
Ion Ratio Lower Upper
240 100
120 6.3 6.5 9.7#
236 26.3 20.2 30.2



#79
Terphenyl-d14
Concen: 44.038 ng
RT: 20.167 min Scan# 2907
Delta R.T. -0.010 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

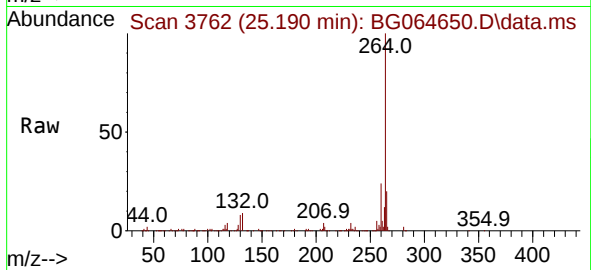
Tgt Ion:244 Resp: 614932
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 6.1 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.190 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG064650.D
Acq: 30 Oct 2025 21:13

Instrument :
BNA_G
ClientSampleId :
WC-3



Tgt Ion:264	Resp:	303646
Ion	Ratio	Lower Upper
264	100	
260	23.6	19.0 28.4
265	19.8	17.6 26.4

