

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064649.D
 Acq On : 30 Oct 2025 20:32
 Operator : RC/JU
 Sample : Q3482-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Oct 31 01:49:31 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)

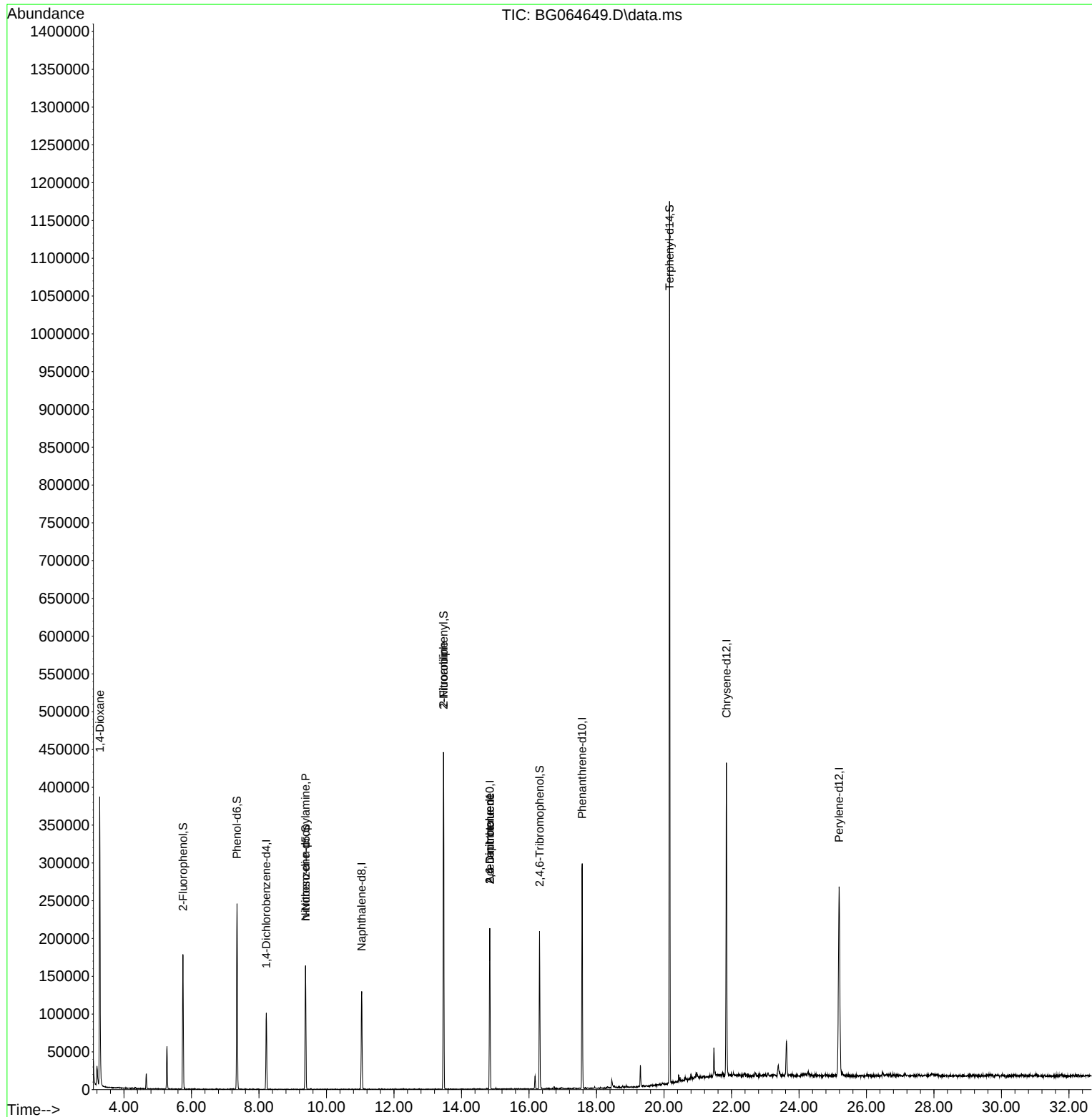
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	27747	20.000	ng	0.00
21) Naphthalene-d8	11.038	136	105426	20.000	ng	#-0.01
39) Acenaphthene-d10	14.840	164	79154	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	199422	20.000	ng	0.00
76) Chrysene-d12	21.849	240	266098	20.000	ng	-0.01
86) Perylene-d12	25.186	264	299189	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	70227	42.482	ng	0.00
7) Phenol-d6	7.348	99	128318	56.568	ng	0.00
23) Nitrobenzene-d5	9.381	82	93224	53.111	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	45821	40.108	ng	0.00
45) 2-Fluorobiphenyl	13.465	172	235091	45.018	ng	-0.01
79) Terphenyl-d14	20.169	244	618629	43.873	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.283	88	3078	4.206	ng	# 1
19) n-Nitroso-di-n-propyla...	9.381	70	11824	7.542	ng	# 73
48) 2-Nitroaniline	13.471	65	446	3.517	ng	# 12
51) 2,6-Dinitrotoluene	14.840	165	10015	12.548	ng	# 17
57) 2,4-Dinitrotoluene	14.840	165	10015	9.120	ng	# 20

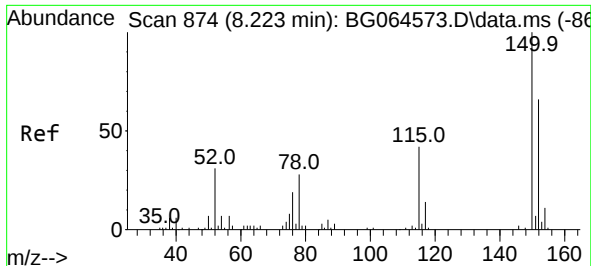
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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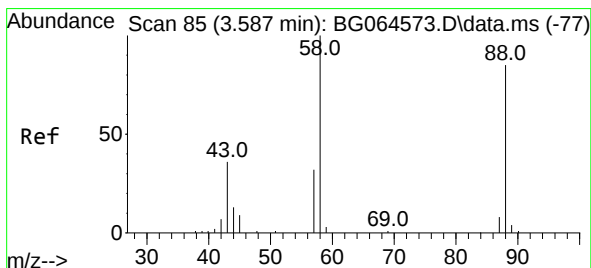
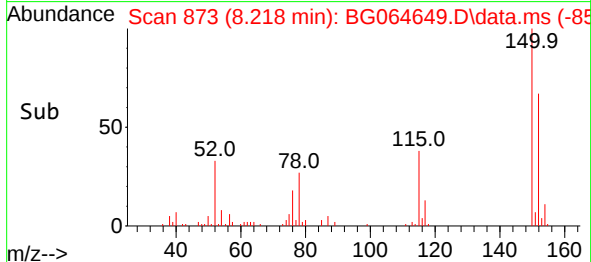
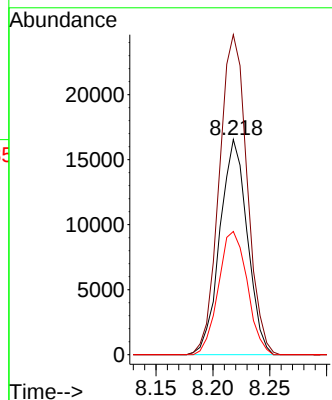
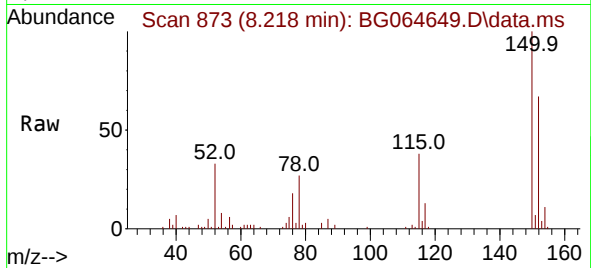




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.218 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: BG064649.D
 Acq: 30 Oct 2025 20:32

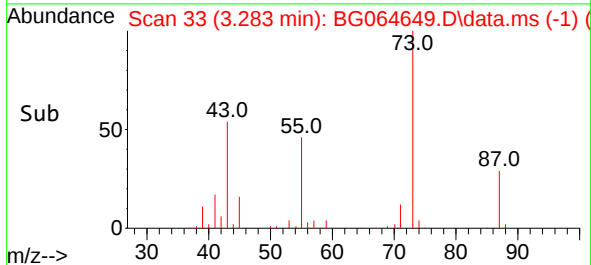
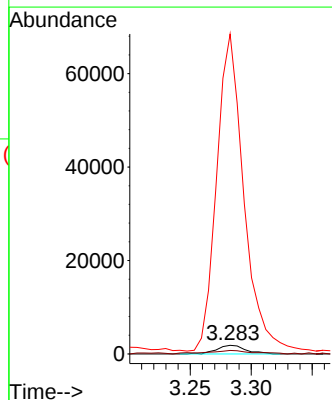
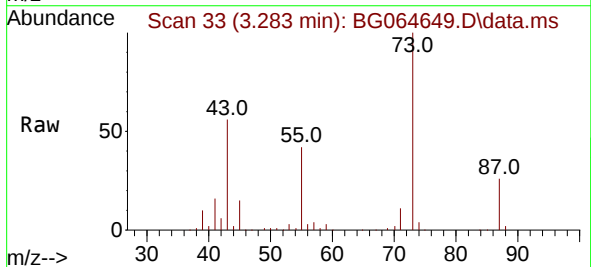
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

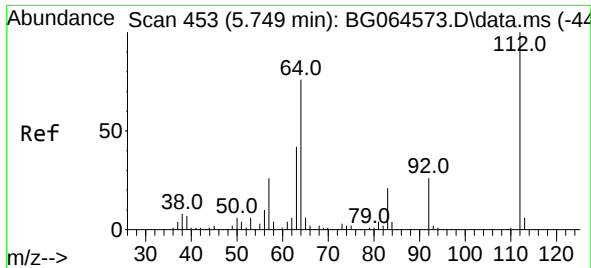
Tgt Ion:152 Resp: 27747
 Ion Ratio Lower Upper
 152 100
 150 148.7 122.2 183.4
 115 57.2 50.8 76.2



#2
 1,4-Dioxane
 Concen: 4.206 ng
 RT: 3.283 min Scan# 33
 Delta R.T. -0.308 min
 Lab File: BG064649.D
 Acq: 30 Oct 2025 20:32

Tgt Ion: 88 Resp: 3078
 Ion Ratio Lower Upper
 88 100
 58 63.4 92.4 138.6#
 43 3459.7 33.0 49.6#

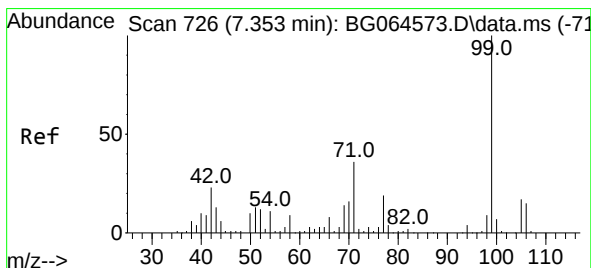
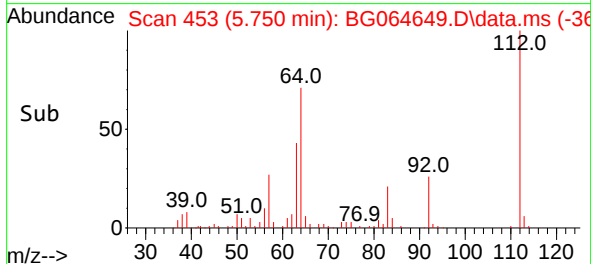
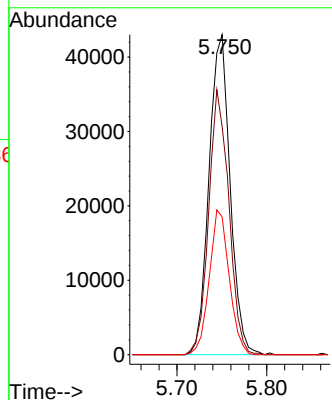
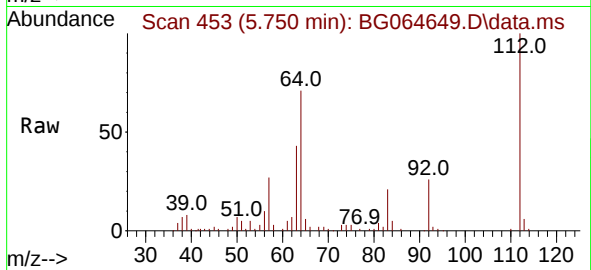




#5
2-Fluorophenol
Concen: 42.482 ng
RT: 5.750 min Scan# 411
Delta R.T. 0.003 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

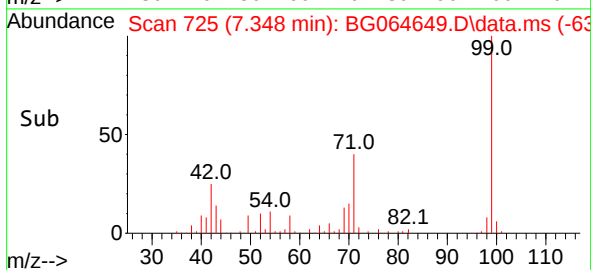
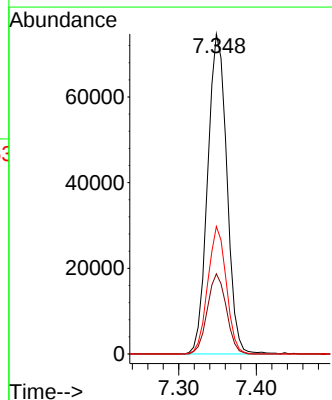
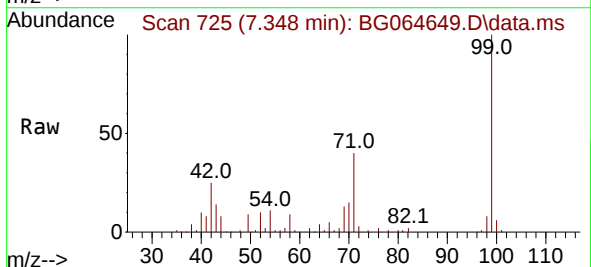
Instrument :
BNA_G
ClientSampleId :
WC-1

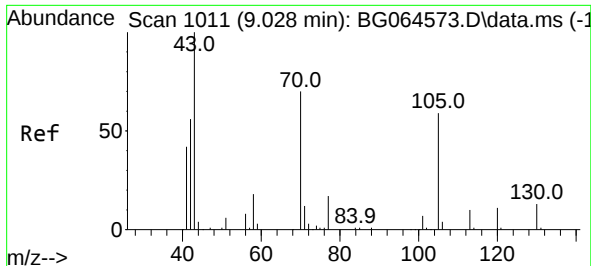
Tgt Ion:112 Resp: 70227
Ion Ratio Lower Upper
112 100
64 71.4 60.7 91.1
63 43.0 33.4 50.0



#7
Phenol-d6
Concen: 56.568 ng
RT: 7.348 min Scan# 725
Delta R.T. -0.008 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

Tgt Ion: 99 Resp: 128318
Ion Ratio Lower Upper
99 100
42 25.0 18.3 27.5
71 39.9 28.6 43.0

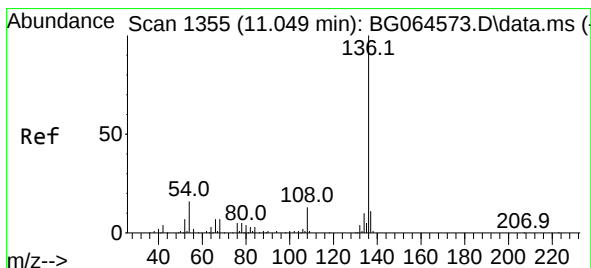
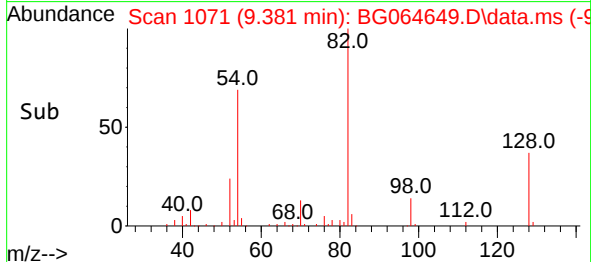
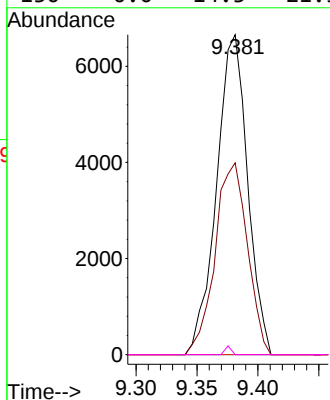
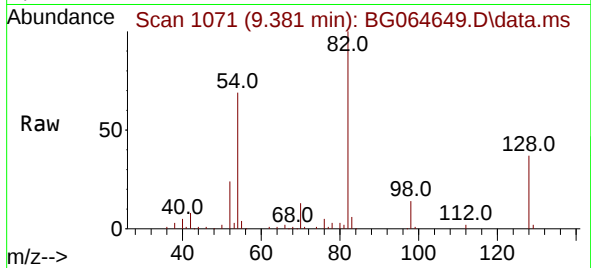




#19
n-Nitroso-di-n-propylamine
Concen: 7.542 ng
RT: 9.381 min Scan# 1011
Delta R.T. 0.350 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

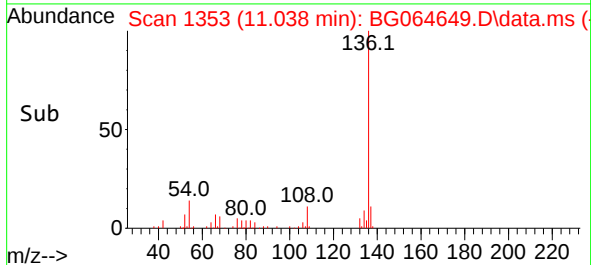
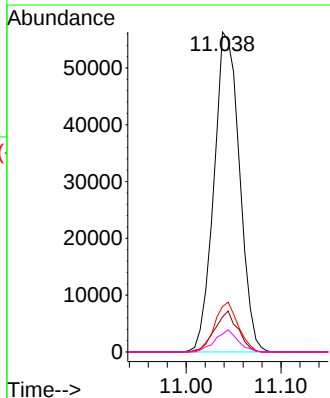
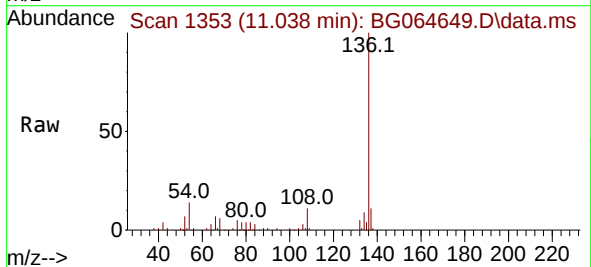
Instrument :
BNA_G
ClientSampleId :
WC-1

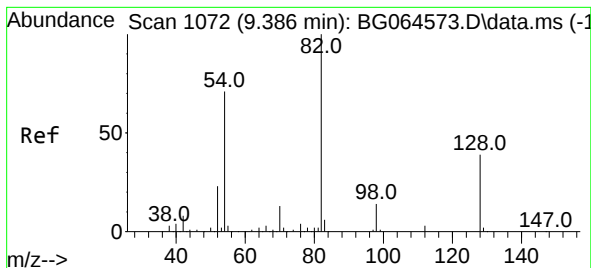
Tgt Ion: 70 Resp: 11824
Ion Ratio Lower Upper
70 100
42 60.0 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.038 min Scan# 1353
Delta R.T. -0.014 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

Tgt Ion:136 Resp: 105426
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 14.2 12.6 19.0
68 5.6 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 53.111 ng

RT: 9.381 min Scan# 1072

Delta R.T. -0.009 min

Lab File: BG064649.D

Acq: 30 Oct 2025 20:32

Instrument :

BNA_G

ClientSampleId :

WC-1

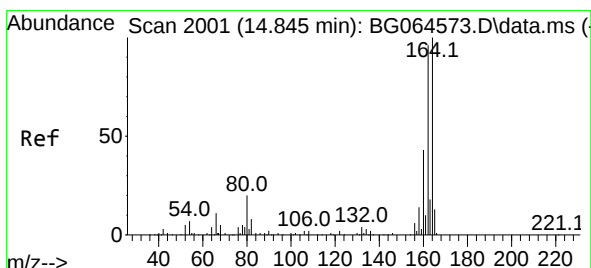
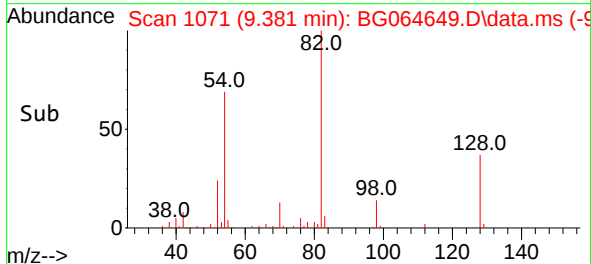
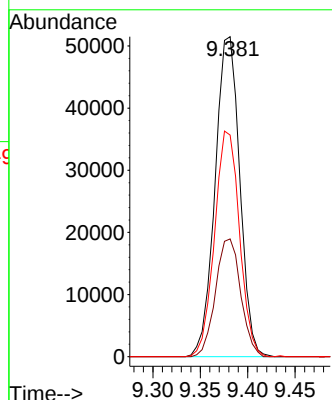
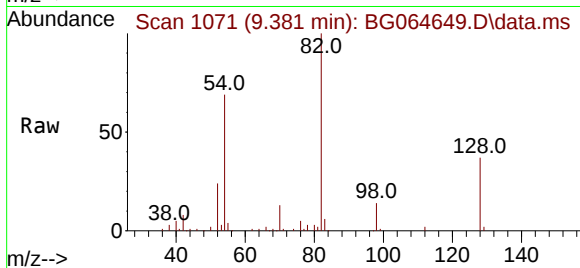
Tgt Ion: 82 Resp: 93224

Ion Ratio Lower Upper

82 100

128 36.8 31.3 46.9

54 69.2 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.840 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064649.D

Acq: 30 Oct 2025 20:32

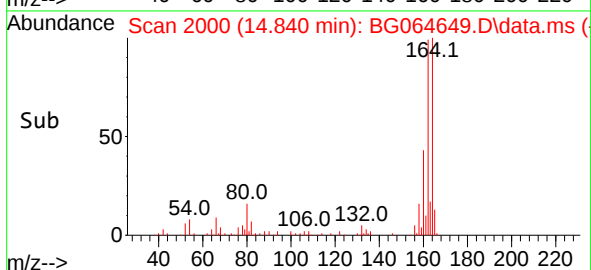
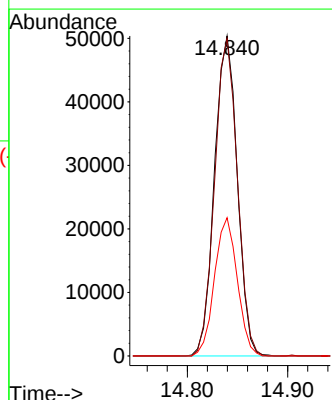
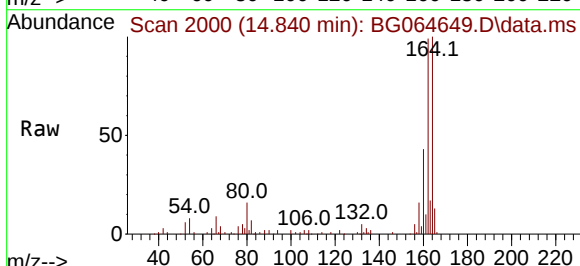
Tgt Ion: 164 Resp: 79154

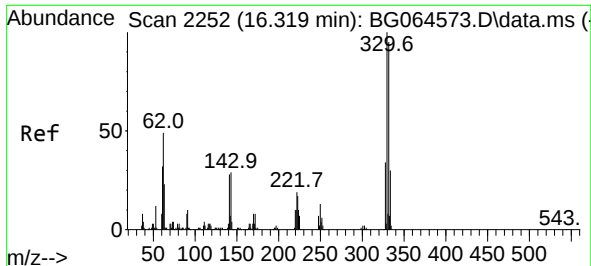
Ion Ratio Lower Upper

164 100

162 99.2 77.0 115.6

160 43.2 34.4 51.6

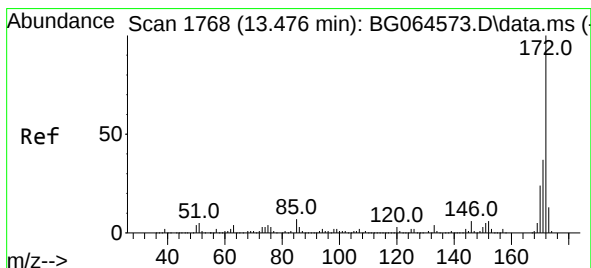
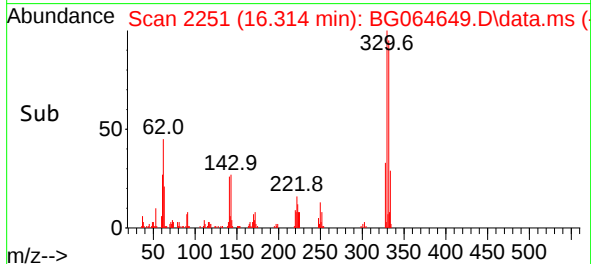
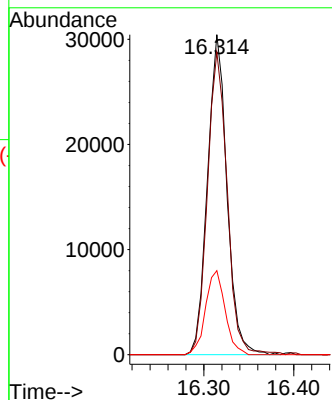
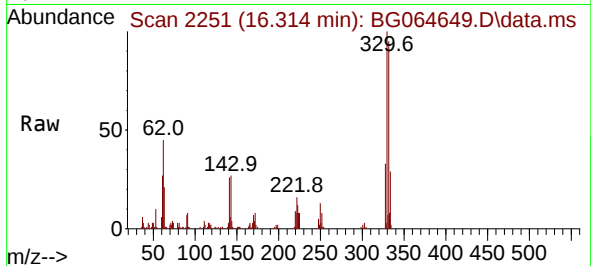




#42
2,4,6-Tribromophenol
Concen: 40.108 ng
RT: 16.314 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

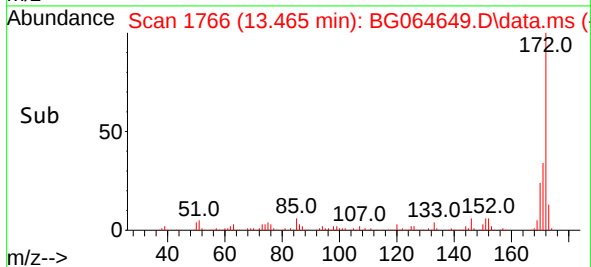
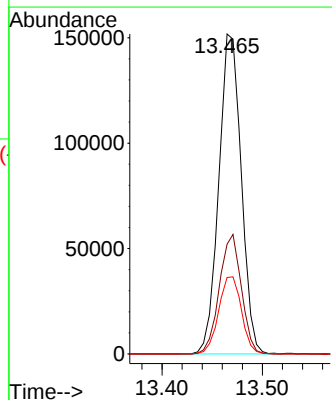
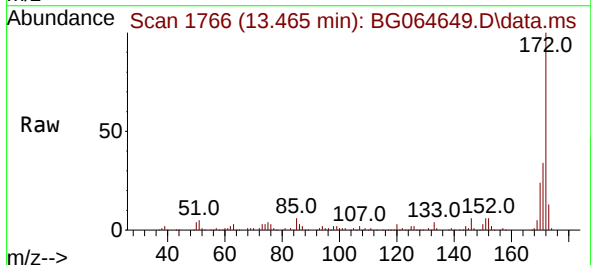
Instrument :
BNA_G
ClientSampleId :
WC-1

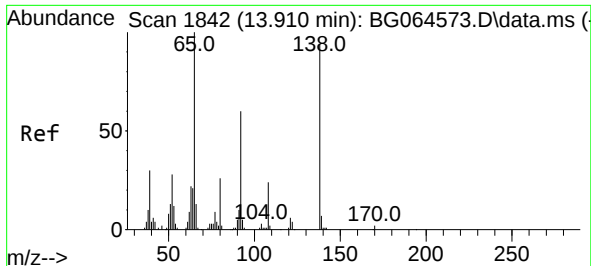
Tgt Ion:330 Resp: 45821
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 26.4 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 45.018 ng
RT: 13.465 min Scan# 1766
Delta R.T. -0.014 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

Tgt Ion:172 Resp: 235091
Ion Ratio Lower Upper
172 100
171 34.3 29.4 44.0
170 23.9 19.1 28.7

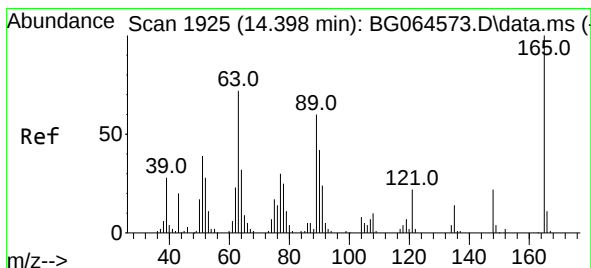
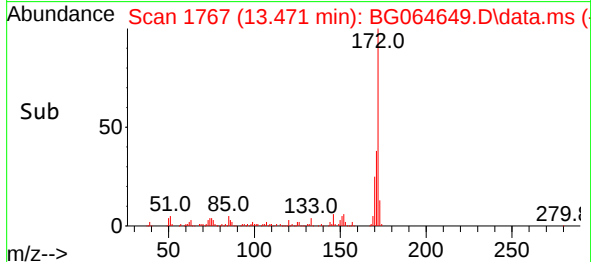
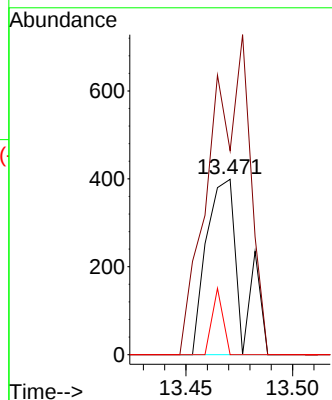
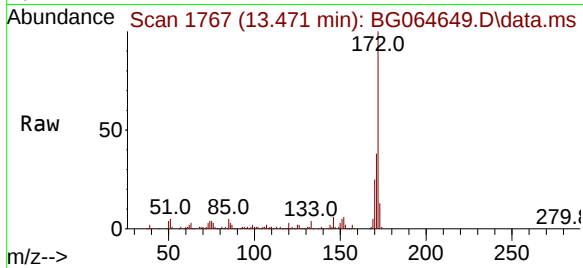




#48
 2-Nitroaniline
 Concen: 3.517 ng
 RT: 13.471 min Scan# 11
 Delta R.T. -0.443 min
 Lab File: BG064649.D
 Acq: 30 Oct 2025 20:32

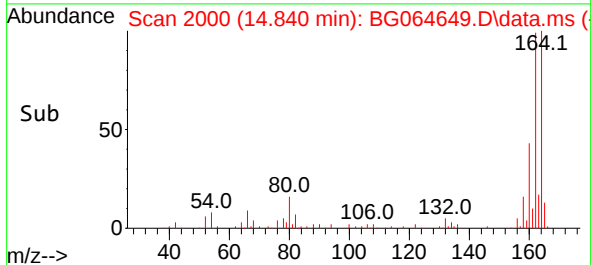
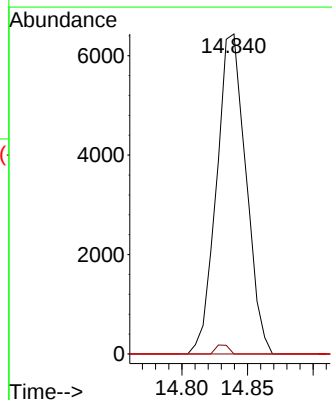
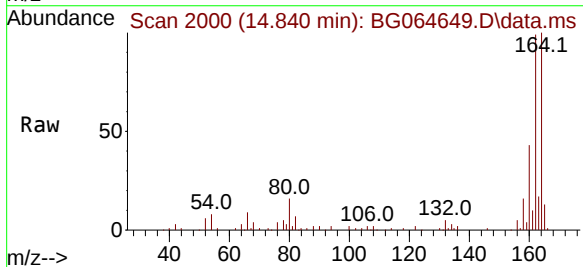
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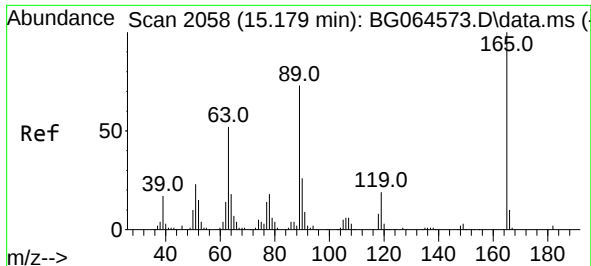
Tgt Ion: 65 Resp: 446
 Ion Ratio Lower Upper
 65 100
 92 116.3 48.3 72.5#
 138 0.0 74.9 112.3#



#51
 2,6-Dinitrotoluene
 Concen: 12.548 ng
 RT: 14.840 min Scan# 2000
 Delta R.T. 0.438 min
 Lab File: BG064649.D
 Acq: 30 Oct 2025 20:32

Tgt Ion:165 Resp: 10015
 Ion Ratio Lower Upper
 165 100
 63 0.0 57.4 86.0#
 89 0.0 47.8 71.8#

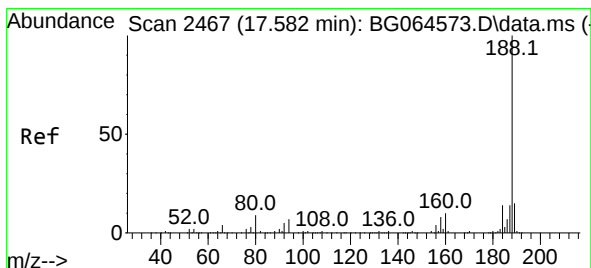
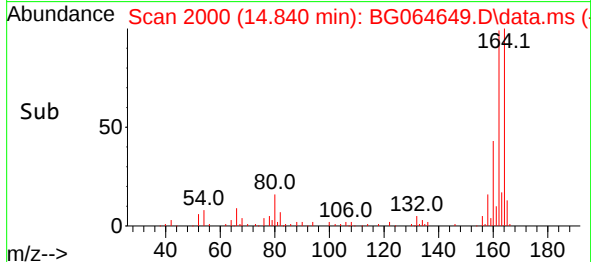
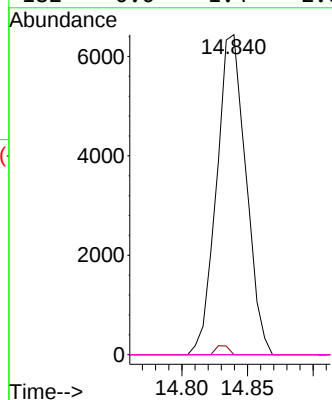
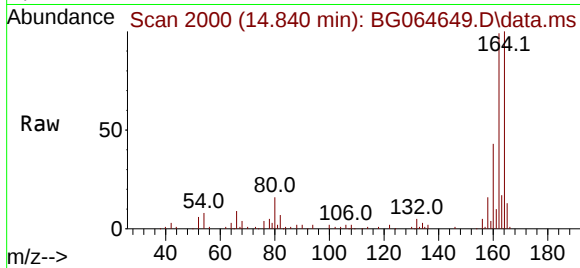




#57
2,4-Dinitrotoluene
Concen: 9.120 ng
RT: 14.840 min Scan# 2058
Delta R.T. -0.349 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

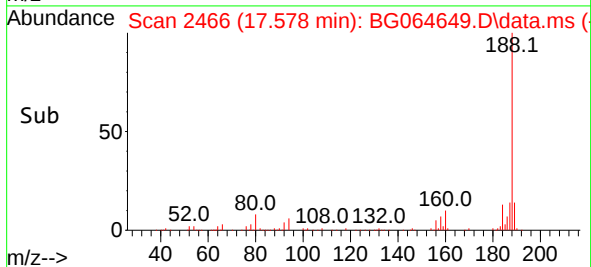
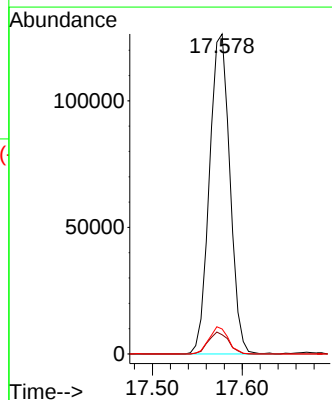
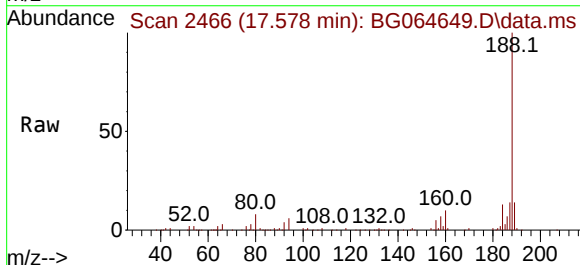
Instrument :
BNA_G
ClientSampleId :
WC-1

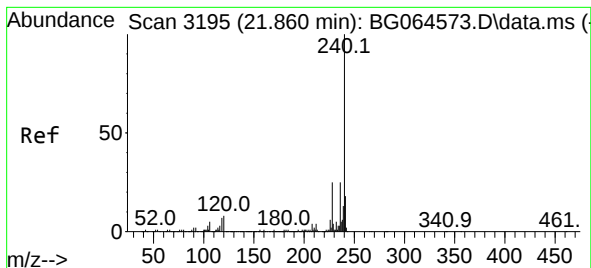
Tgt Ion:165 Resp: 10015
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064649.D
Acq: 30 Oct 2025 20:32

Tgt Ion:188 Resp: 199422
Ion Ratio Lower Upper
188 100
94 6.0 5.7 8.5
80 7.8 6.8 10.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.849 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064649.D

Acq: 30 Oct 2025 20:32

Instrument :

BNA_G

ClientSampleId :

WC-1

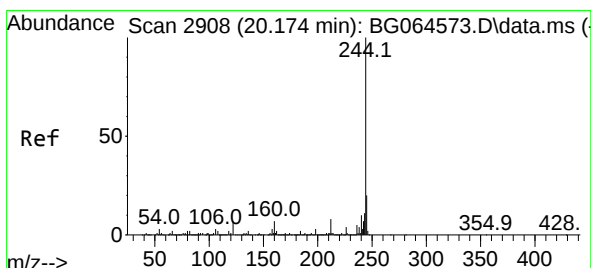
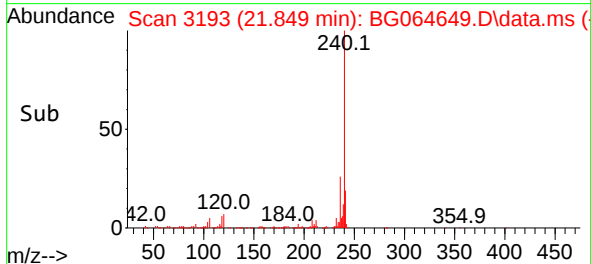
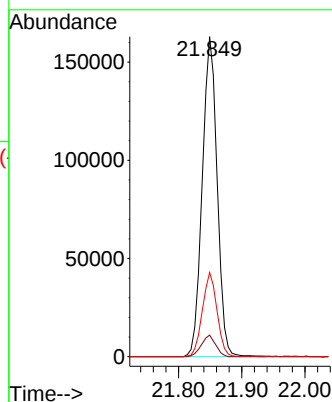
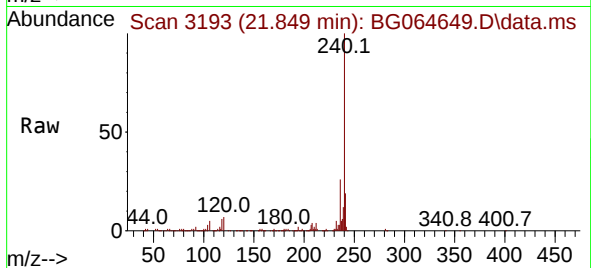
Tgt Ion:240 Resp: 266098

Ion Ratio Lower Upper

240 100

120 6.7 6.5 9.7

236 26.3 20.2 30.2



#79

Terphenyl-d14

Concen: 43.873 ng

RT: 20.169 min Scan# 2907

Delta R.T. -0.008 min

Lab File: BG064649.D

Acq: 30 Oct 2025 20:32

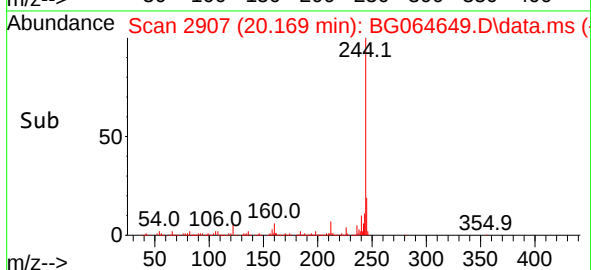
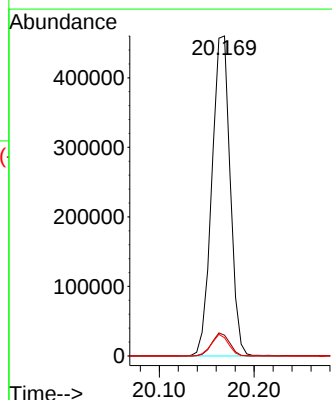
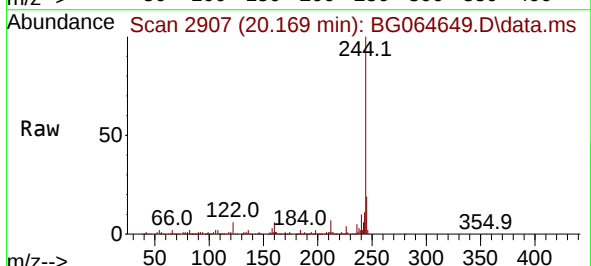
Tgt Ion:244 Resp: 618629

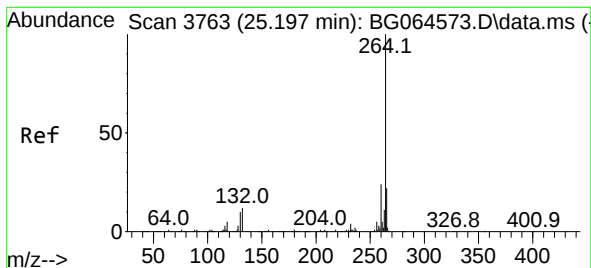
Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

122 5.7 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.186 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064649.D

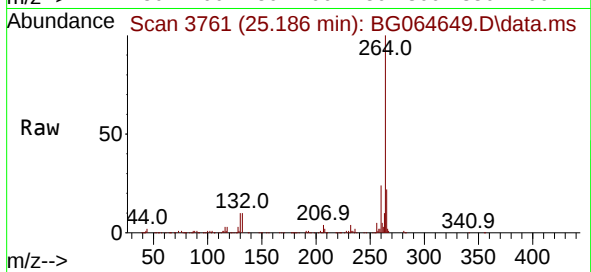
Acq: 30 Oct 2025 20:32

Instrument :

BNA_G

ClientSampleId :

WC-1



Tgt Ion:264 Resp: 299189

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.8 17.6 26.4

