

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064913.D
 Acq On : 9 Dec 2025 20:25
 Operator : RC/JU
 Sample : Q3795-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 10 00:16:41 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)

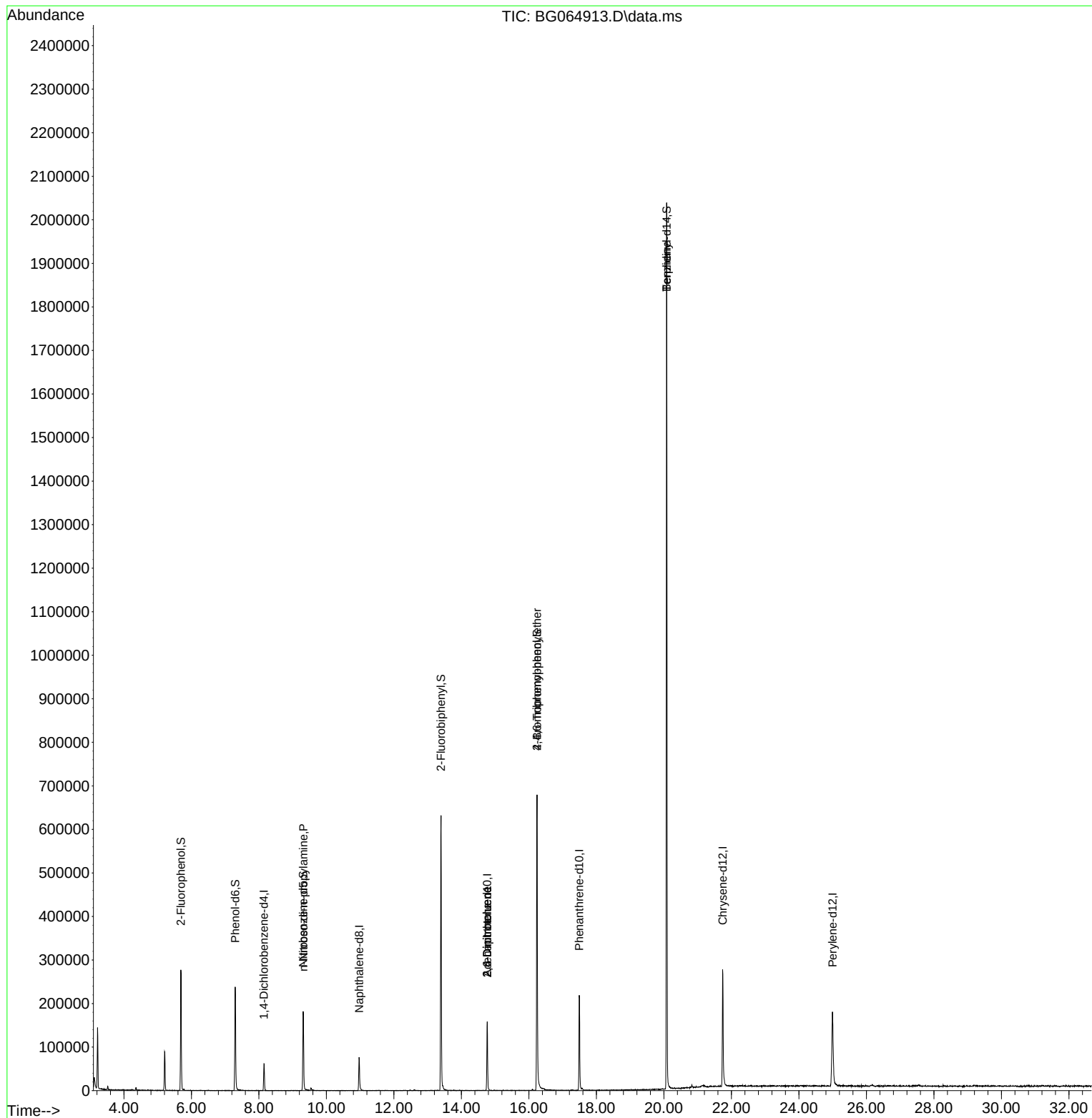
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.148	152	18551	20.000	ng	-0.02
21) Naphthalene-d8	10.969	136	70993	20.000	ng	#-0.02
39) Acenaphthene-d10	14.764	164	68210	20.000	ng	-0.01
64) Phenanthrene-d10	17.490	188	164648	20.000	ng	#-0.01
76) Chrysene-d12	21.738	240	216908	20.000	ng	#-0.02
86) Perylene-d12	24.993	264	233913	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	111530	104.984	ng	-0.01
7) Phenol-d6	7.297	99	131764	93.253	ng	-0.01
23) Nitrobenzene-d5	9.312	82	106108	73.899	ng	-0.02
42) 2,4,6-Tribromophenol	16.239	330	196415	147.647	ng	-0.01
45) 2-Fluorobiphenyl	13.395	172	363372	74.333	ng	-0.01
79) Terphenyl-d14	20.082	244	1170541	106.154	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.318	70	16263	17.023	ng	# 62
51) 2,6-Dinitrotoluene	14.764	165	9126	8.802	ng	# 21
57) 2,4-Dinitrotoluene	14.764	165	9126	5.871	ng	# 24
67) 4-Bromophenyl-phenylether	16.239	248	10855	5.020	ng	# 1
77) Benzidine	20.082	184	16235	2.499	ng	# 96

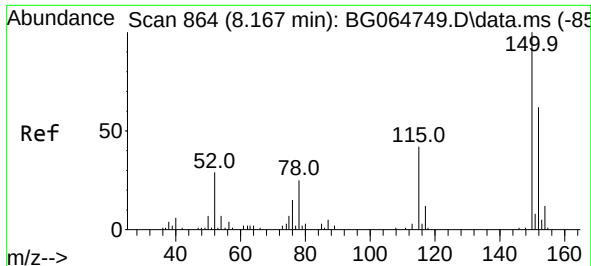
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

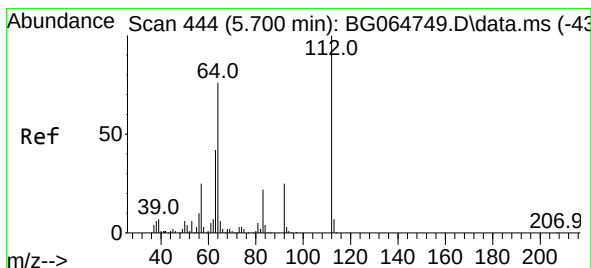
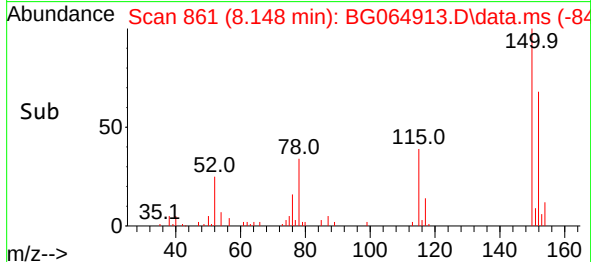
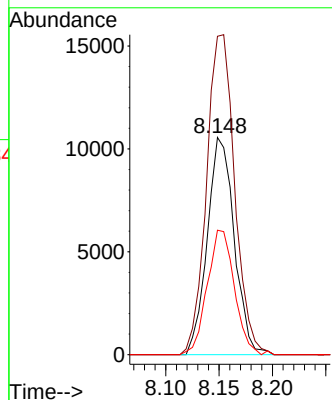
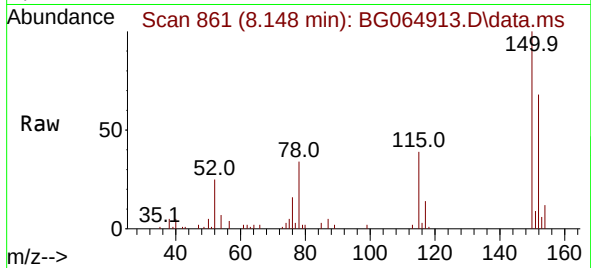




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.148 min Scan# 80
Delta R.T. -0.019 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

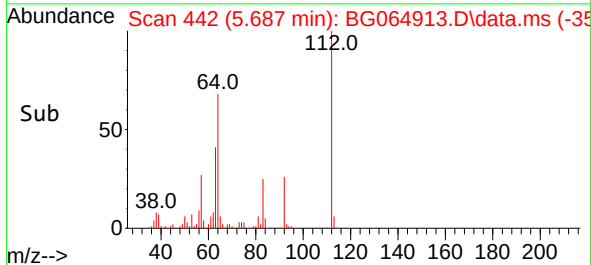
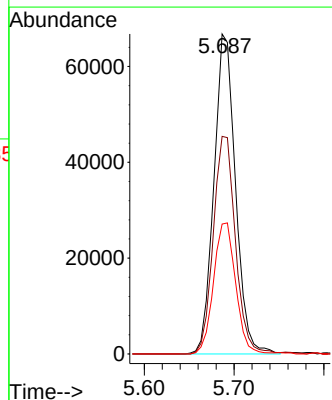
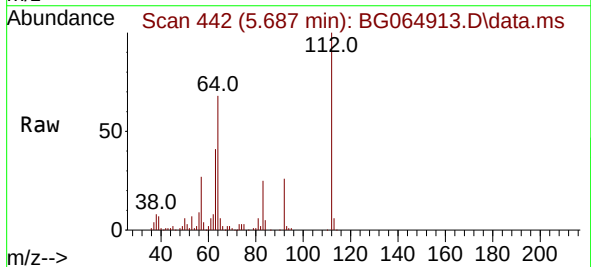
Instrument :
BNA_G
ClientSampleId :

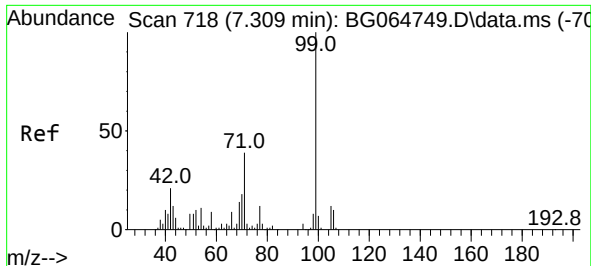
Tgt Ion:152 Resp: 18551
Ion Ratio Lower Upper
152 100
150 146.6 129.2 193.8
115 57.3 53.7 80.5



#5
2-Fluorophenol
Concen: 104.984 ng
RT: 5.687 min Scan# 442
Delta R.T. -0.013 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

Tgt Ion:112 Resp: 111530
Ion Ratio Lower Upper
112 100
64 68.0 61.0 91.4
63 40.6 33.3 49.9



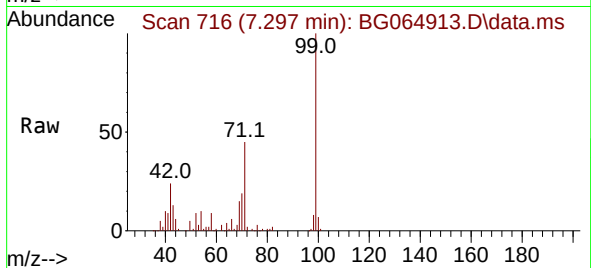


#7
Phenol-d6
Concen: 93.253 ng
RT: 7.297 min Scan# 71
Delta R.T. -0.013 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

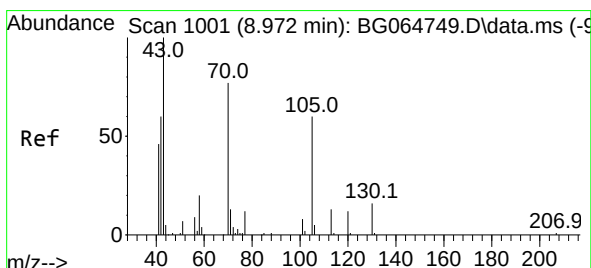
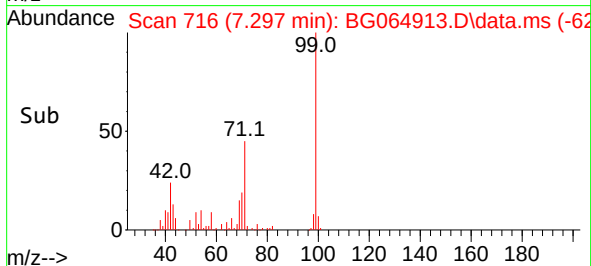
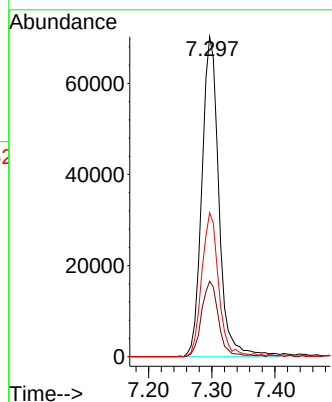
Instrument :

BNA_G

ClientSampleId :

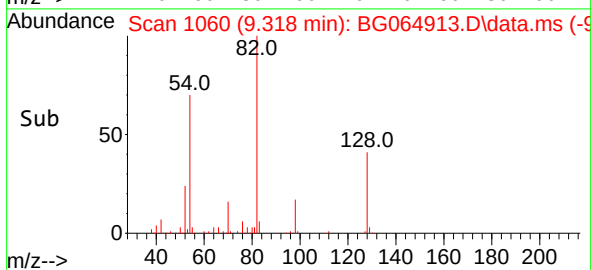
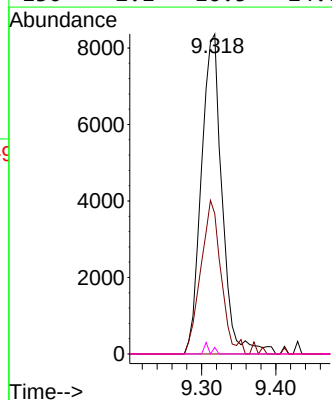
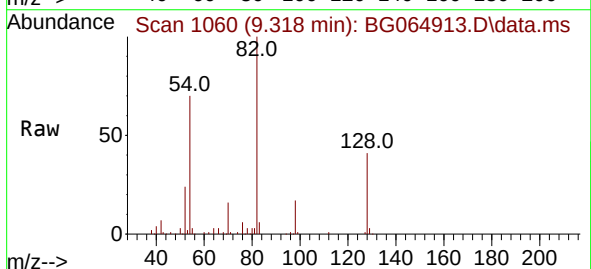


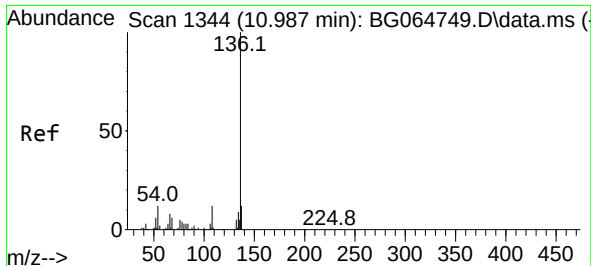
Tgt Ion: 99 Resp: 131764
Ion Ratio Lower Upper
99 100
42 23.6 16.8 25.2
71 45.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.023 ng
RT: 9.318 min Scan# 1060
Delta R.T. 0.346 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

Tgt Ion: 70 Resp: 16263
Ion Ratio Lower Upper
70 100
42 43.9 62.6 93.8#
101 0.0 8.0 12.0#
130 2.1 16.5 24.7#

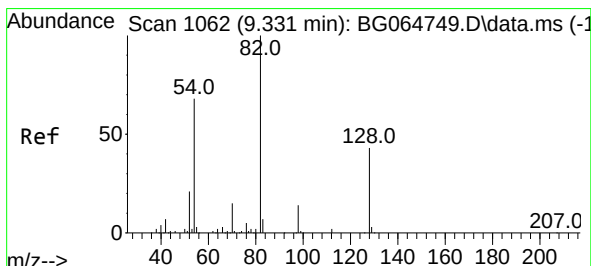
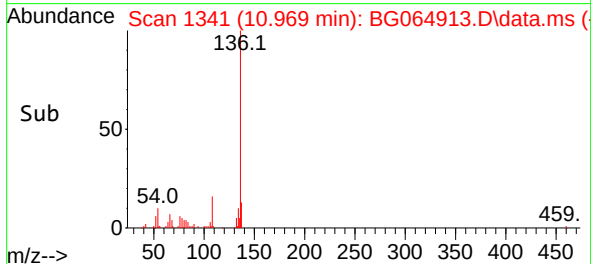
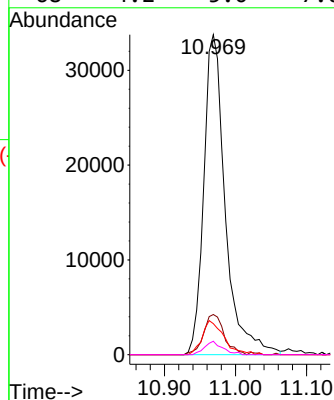
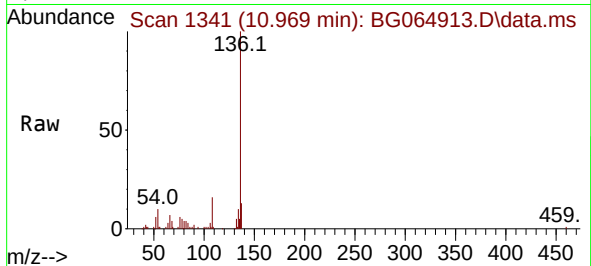




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

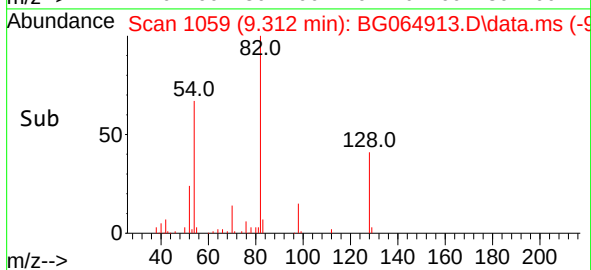
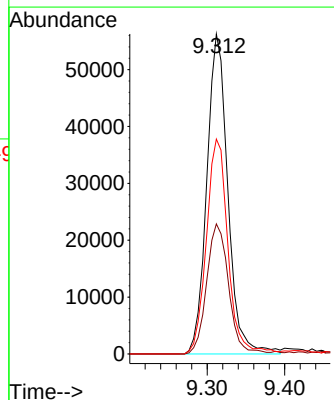
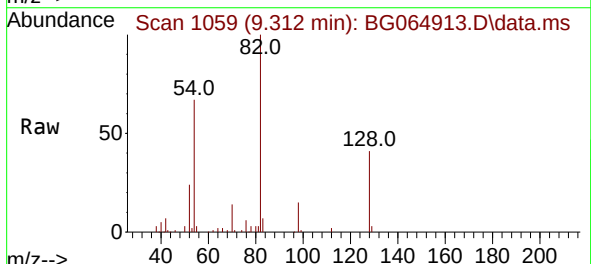
Instrument :
BNA_G
ClientSampleId :

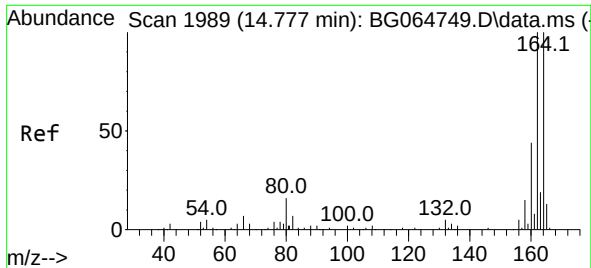
Tgt Ion:136 Resp: 70993
Ion Ratio Lower Upper
136 100
137 12.5 9.3 13.9
54 9.7 9.3 13.9
68 4.2 5.0 7.6#



#23
Nitrobenzene-d5
Concen: 73.899 ng
RT: 9.312 min Scan# 1059
Delta R.T. -0.019 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

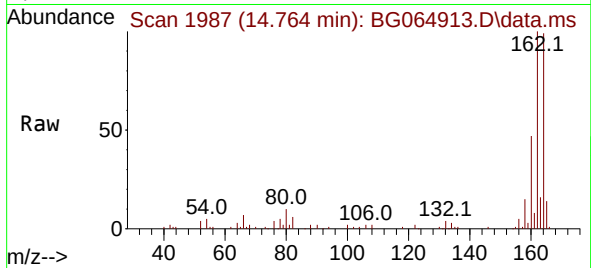
Tgt Ion: 82 Resp: 106108
Ion Ratio Lower Upper
82 100
128 40.6 34.1 51.1
54 67.2 54.3 81.5



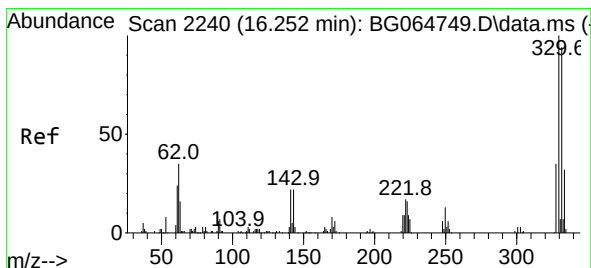
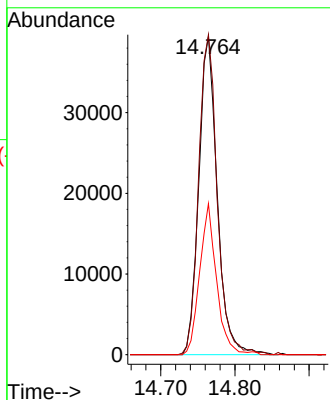
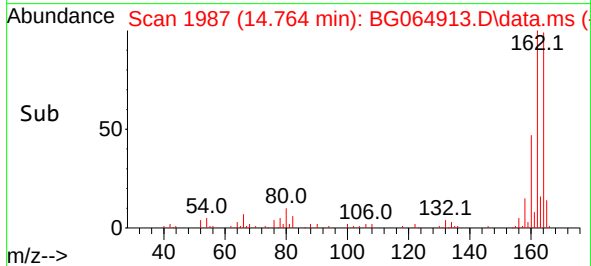


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.764 min Scan# 1987
Delta R.T. -0.013 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

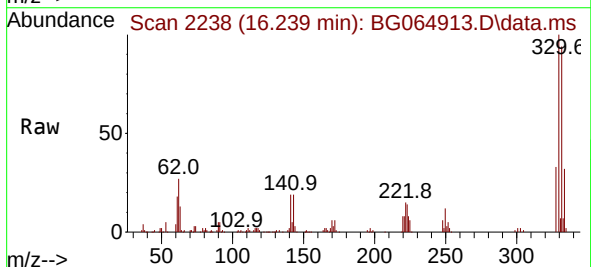
Instrument :
BNA_G
ClientSampleId :



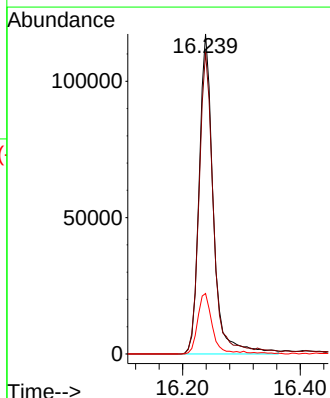
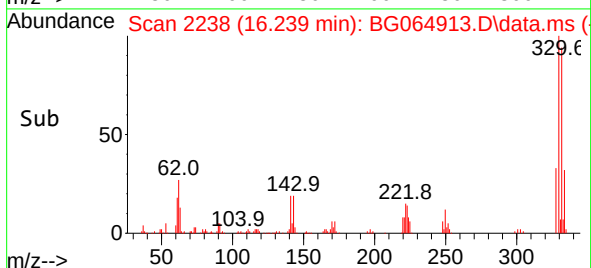
Tgt Ion:164 Resp: 68210
Ion Ratio Lower Upper
164 100
162 100.6 79.8 119.6
160 47.5 34.9 52.3

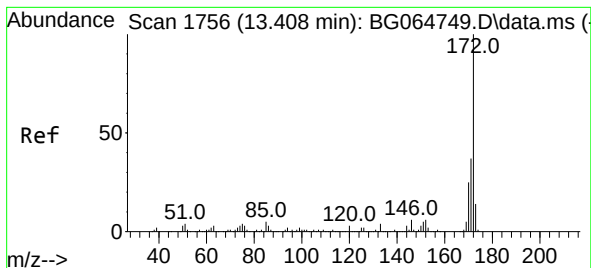


#42
2,4,6-Tribromophenol
Concen: 147.647 ng
RT: 16.239 min Scan# 2238
Delta R.T. -0.013 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25



Tgt Ion:330 Resp: 196415
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 19.7 18.2 27.2





#45

2-Fluorobiphenyl

Concen: 74.333 ng

RT: 13.395 min Scan# 1

Delta R.T. -0.013 min

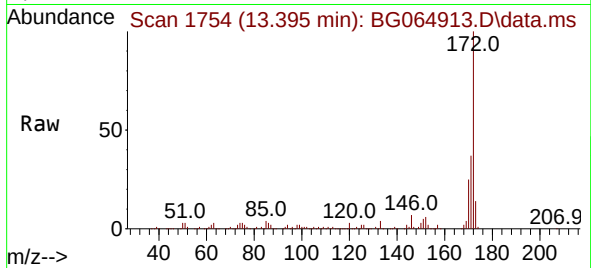
Lab File: BG064913.D

Acq: 9 Dec 2025 20:25

Instrument :

BNA_G

ClientSampleId :



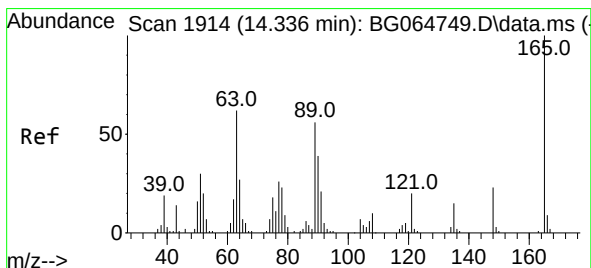
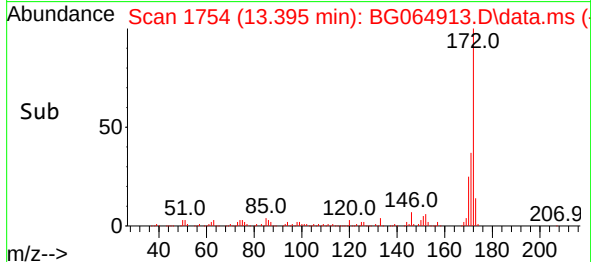
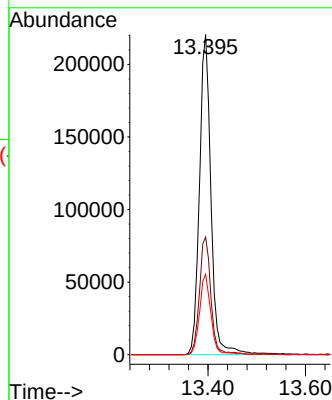
Tgt Ion:172 Resp: 363372

Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

170 25.1 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 8.802 ng

RT: 14.764 min Scan# 1987

Delta R.T. 0.428 min

Lab File: BG064913.D

Acq: 9 Dec 2025 20:25

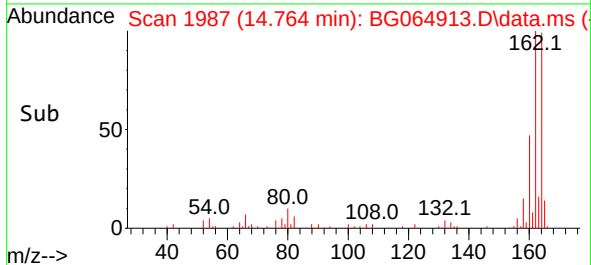
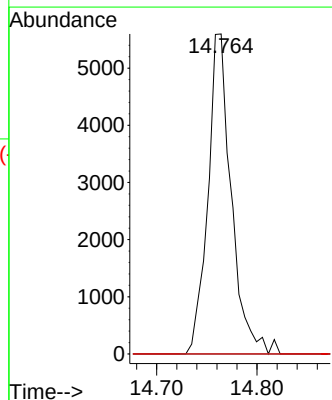
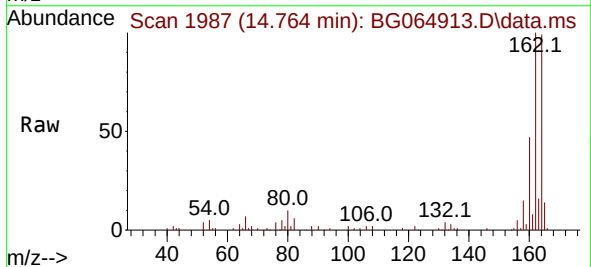
Tgt Ion:165 Resp: 9126

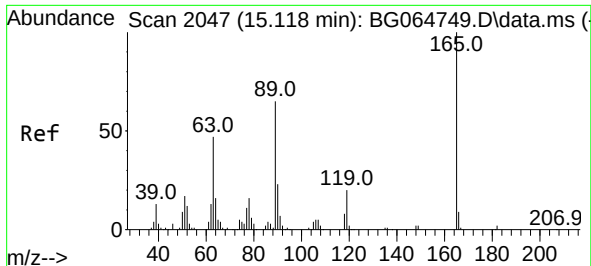
Ion Ratio Lower Upper

165 100

63 0.0 49.8 74.8#

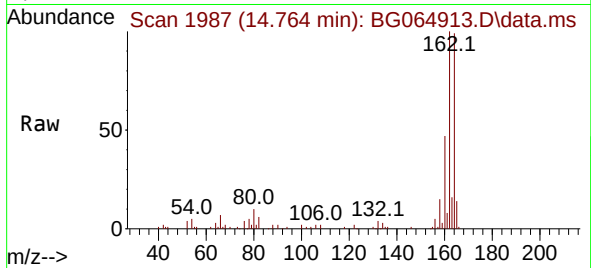
89 0.0 45.0 67.4#



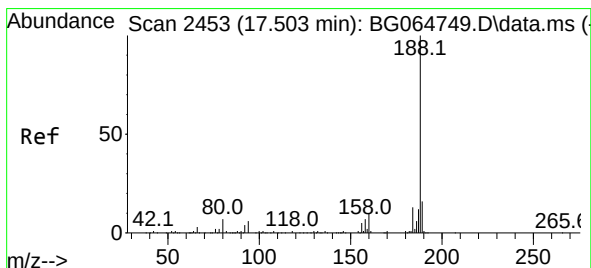
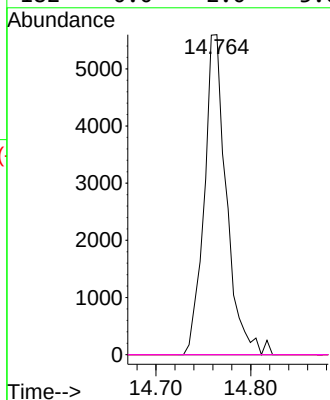
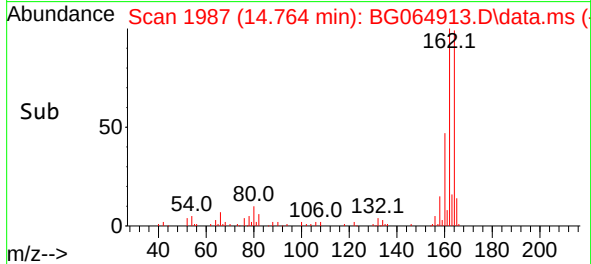


#57
2,4-Dinitrotoluene
Concen: 5.871 ng
RT: 14.764 min Scan# 1987
Delta R.T. -0.354 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

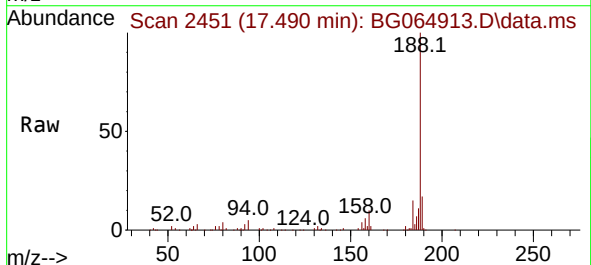
Instrument :
BNA_G
ClientSampleId :



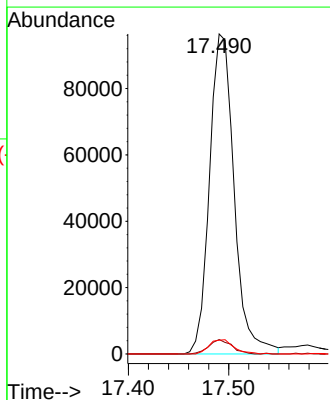
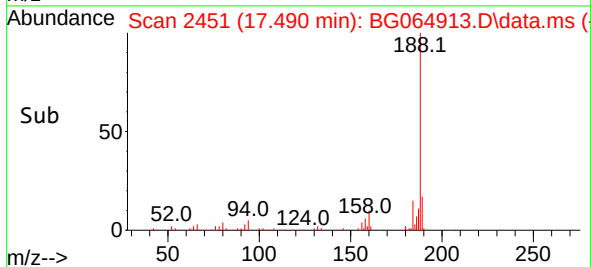
Tgt Ion:165 Resp: 9126
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#

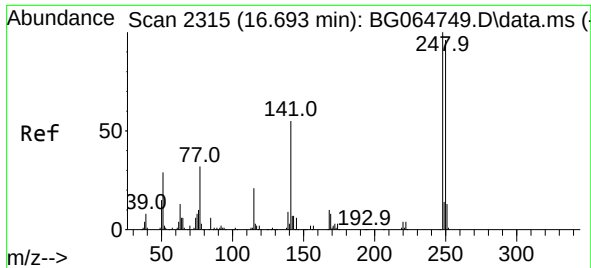


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.490 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25



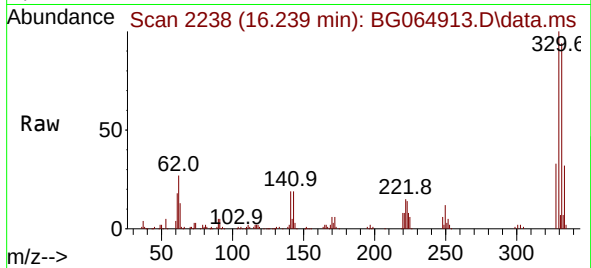
Tgt Ion:188 Resp: 164648
Ion Ratio Lower Upper
188 100
94 4.5 4.7 7.1#
80 4.3 5.4 8.2#



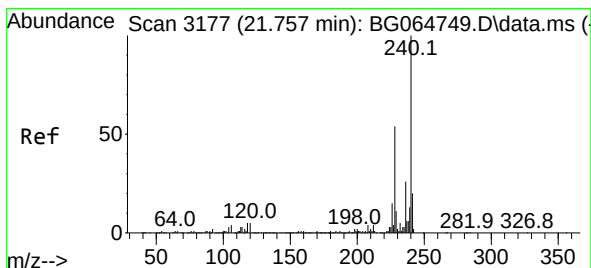
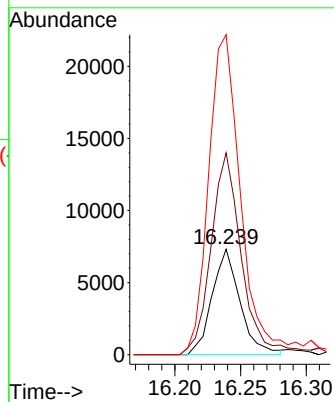
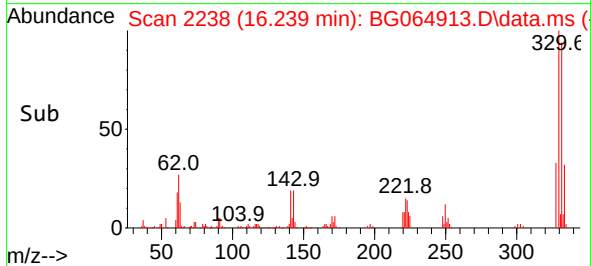


#67
4-Bromophenyl-phenylether
Concen: 5.020 ng
RT: 16.239 min Scan# 21
Delta R.T. -0.454 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

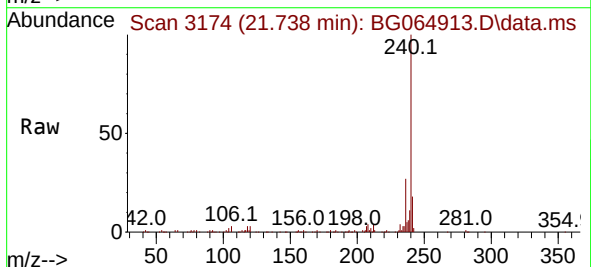
Instrument :
BNA_G
ClientSampleId :



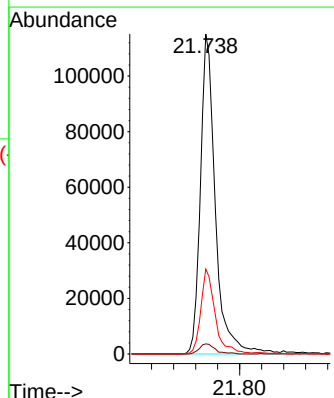
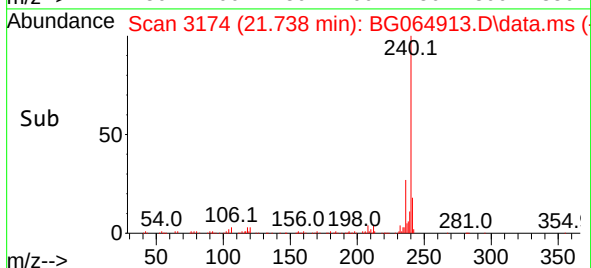
Tgt Ion:248 Resp: 10855
Ion Ratio Lower Upper
248 100
250 151.7 77.0 115.6#
141 240.5 43.7 65.5#

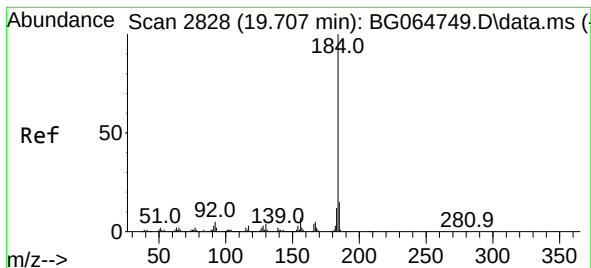


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.738 min Scan# 3174
Delta R.T. -0.019 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25



Tgt Ion:240 Resp: 216908
Ion Ratio Lower Upper
240 100
120 3.1 4.2 6.4#
236 26.5 20.8 31.2





#77

Benzidine

Concen: 2.499 ng

RT: 20.082 min Scan# 2892

Delta R.T. 0.375 min

Lab File: BG064913.D

Acq: 9 Dec 2025 20:25

Instrument :

BNA_G

ClientSampleId :

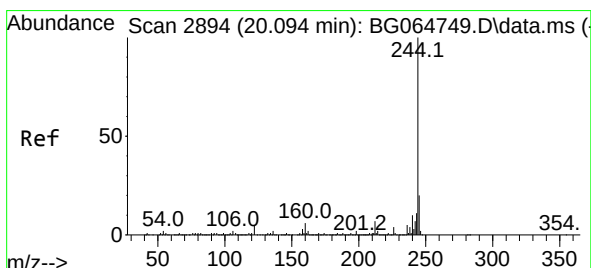
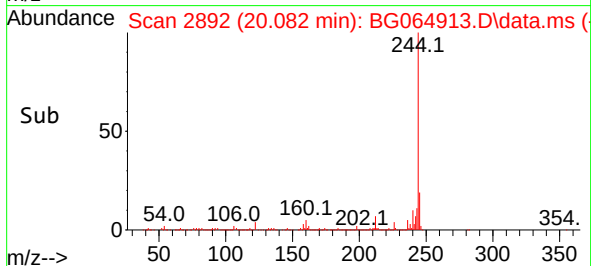
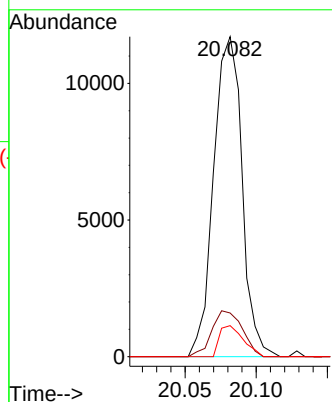
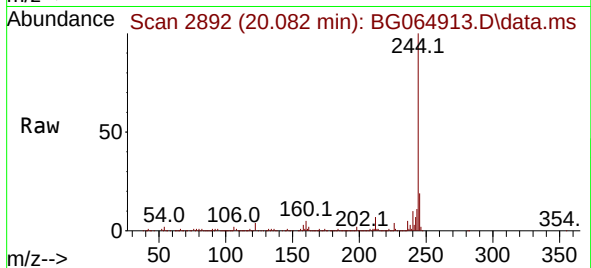
Tgt Ion:184 Resp: 16235

Ion Ratio Lower Upper

184 100

185 13.6 11.8 17.6

183 9.7 9.8 14.6#



#79

Terphenyl-d14

Concen: 106.154 ng

RT: 20.082 min Scan# 2892

Delta R.T. -0.013 min

Lab File: BG064913.D

Acq: 9 Dec 2025 20:25

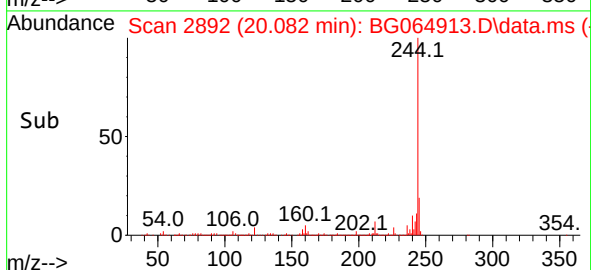
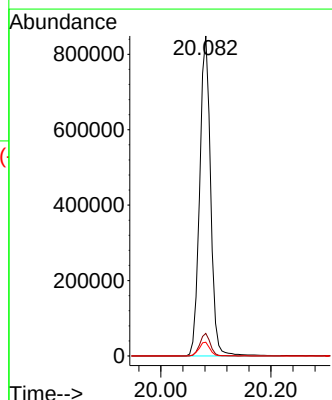
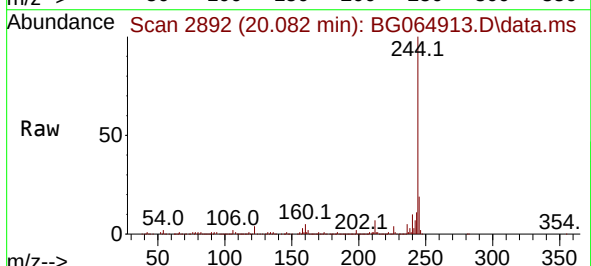
Tgt Ion:244 Resp: 1170541

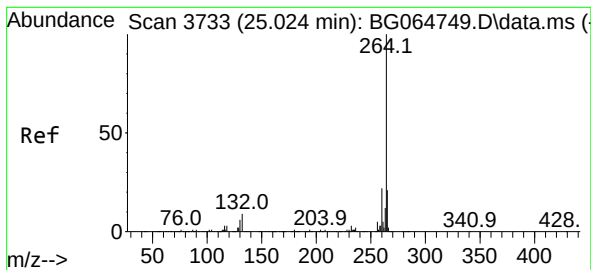
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

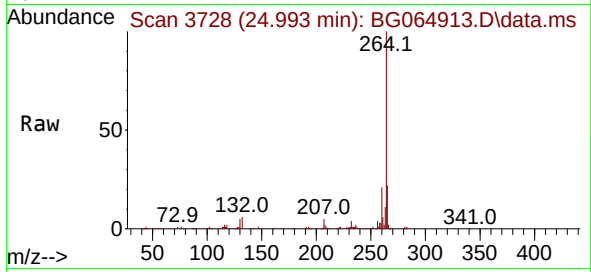
122 4.3 4.3 6.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.993 min Scan# 31
Delta R.T. -0.030 min
Lab File: BG064913.D
Acq: 9 Dec 2025 20:25

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:264 Resp: 233913

Ion	Ratio	Lower	Upper
264	100		
260	21.0	17.2	25.8
265	21.6	16.6	25.0

