

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064903.D
 Acq On : 9 Dec 2025 13:30
 Operator : RC/JU
 Sample : PB170865BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170865BL

Quant Time: Dec 09 14:05:25 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)

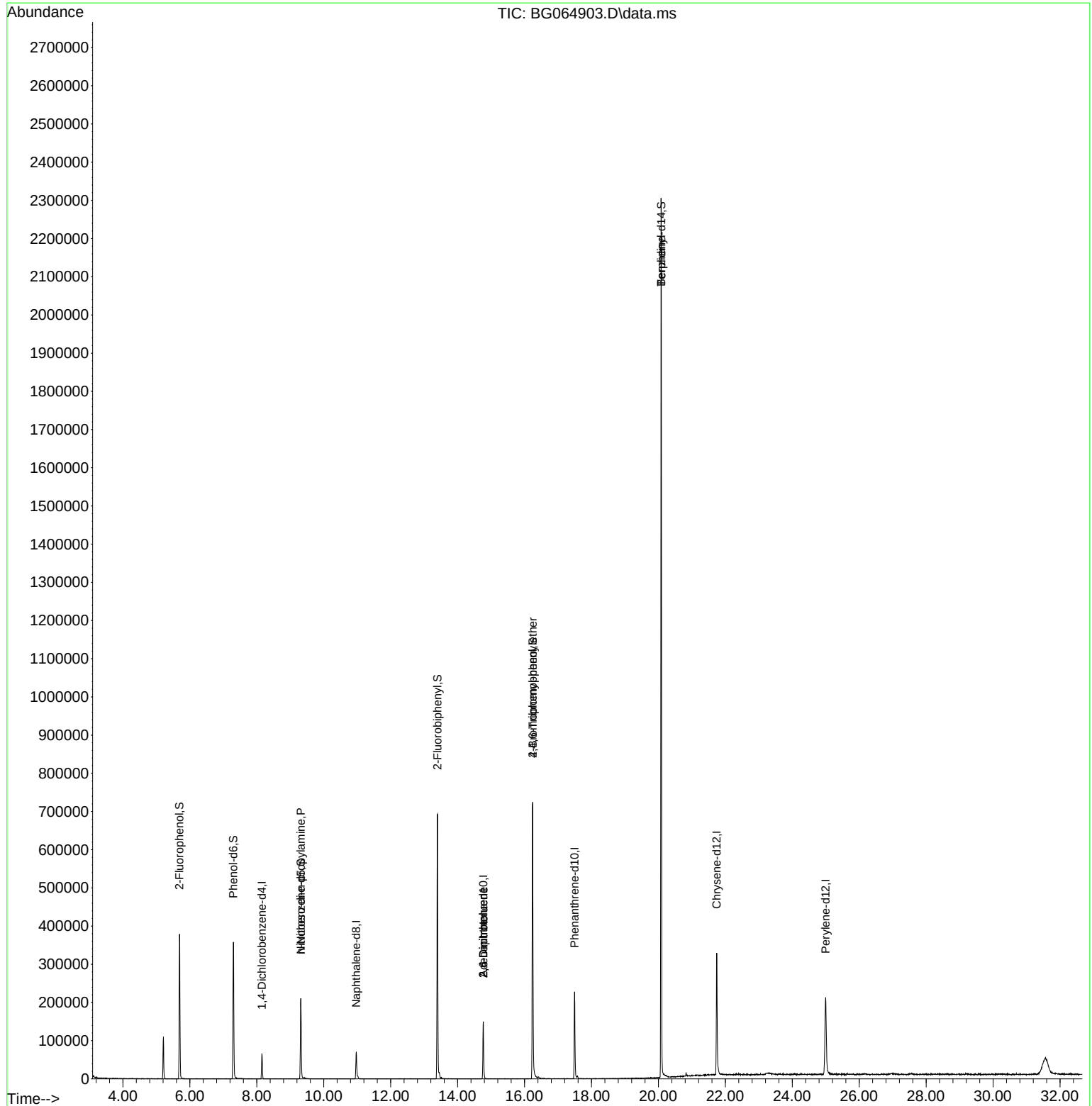
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	19621	20.000	ng	-0.01
21) Naphthalene-d8	10.973	136	72279	20.000	ng	#-0.01
39) Acenaphthene-d10	14.769	164	66082	20.000	ng	0.00
64) Phenanthrene-d10	17.495	188	173863	20.000	ng	# 0.00
76) Chrysene-d12	21.743	240	261348	20.000	ng	-0.01
86) Perylene-d12	24.998	264	279139	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	152887	136.065	ng	0.00
7) Phenol-d6	7.301	99	194106	129.882	ng	0.00
23) Nitrobenzene-d5	9.316	82	122982	84.126	ng	-0.01
42) 2,4,6-Tribromophenol	16.243	330	210585	163.396	ng	0.00
45) 2-Fluorobiphenyl	13.400	172	415979	87.835	ng	0.00
79) Terphenyl-d14	20.086	244	1334680	100.458	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.316	70	17233	17.054	ng	# 68
51) 2,6-Dinitrotoluene	14.769	165	8574	8.536	ng	# 21
57) 2,4-Dinitrotoluene	14.769	165	8574	5.694	ng	# 24
67) 4-Bromophenyl-phenylether	16.243	248	12390	5.427	ng	# 1
77) Benzidine	20.086	184	17674	2.258	ng	97

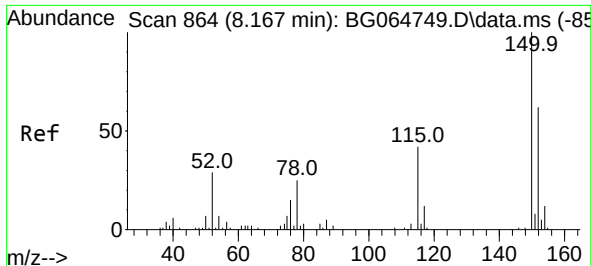
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

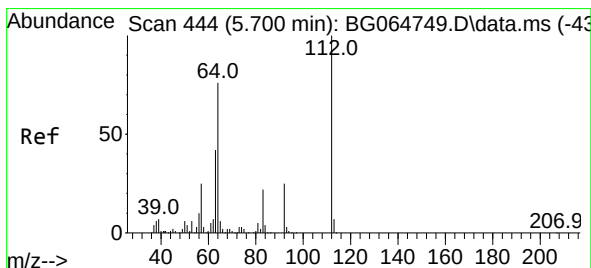
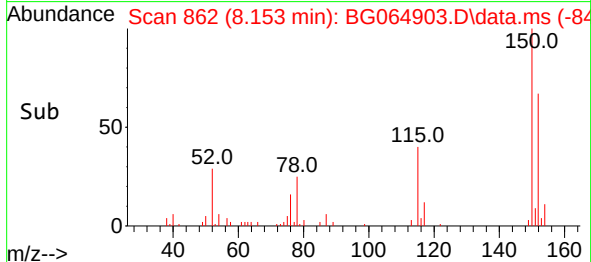
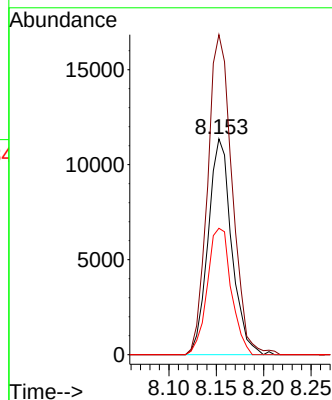
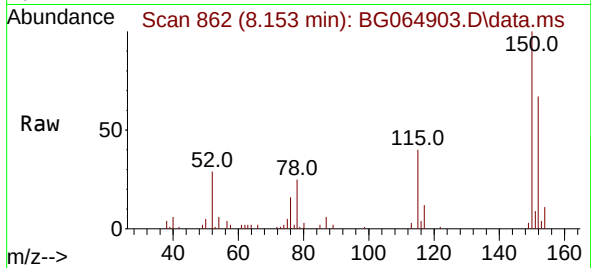




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.153 min Scan# 80
 Delta R.T. -0.014 min
 Lab File: BG064903.D
 Acq: 9 Dec 2025 13:30

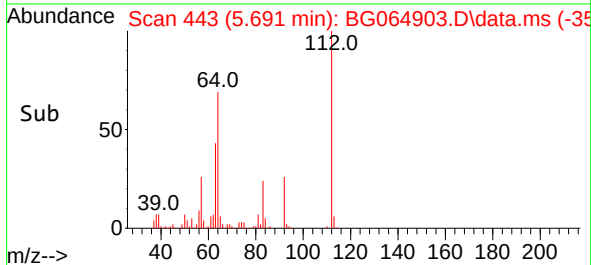
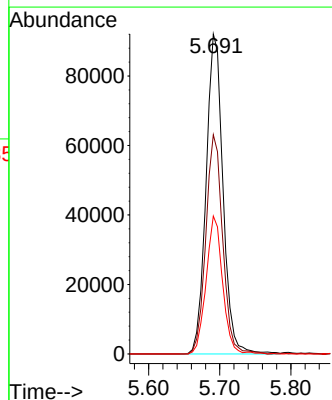
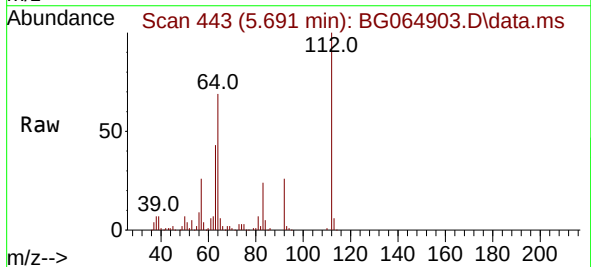
Instrument :
 BNA_G
 ClientSampleId :
 PB170865BL

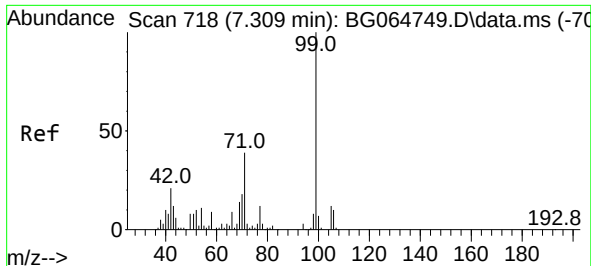
Tgt Ion:152 Resp: 19621
 Ion Ratio Lower Upper
 152 100
 150 148.2 129.2 193.8
 115 58.6 53.7 80.5



#5
 2-Fluorophenol
 Concen: 136.065 ng
 RT: 5.691 min Scan# 443
 Delta R.T. -0.009 min
 Lab File: BG064903.D
 Acq: 9 Dec 2025 13:30

Tgt Ion:112 Resp: 152887
 Ion Ratio Lower Upper
 112 100
 64 68.5 61.0 91.4
 63 43.1 33.3 49.9

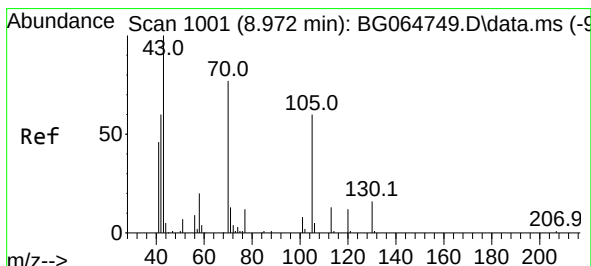
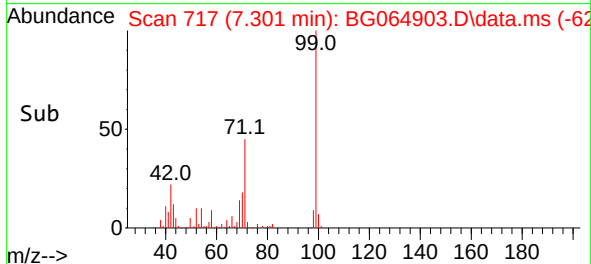
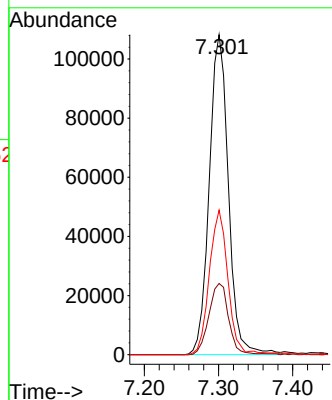
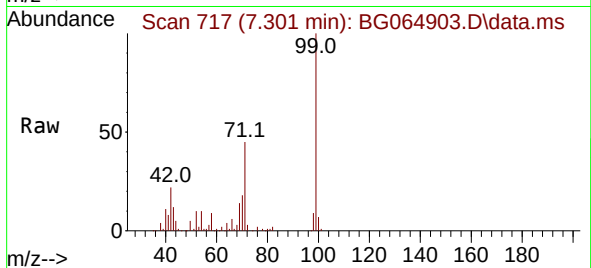




#7
Phenol-d6
Concen: 129.882 ng
RT: 7.301 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

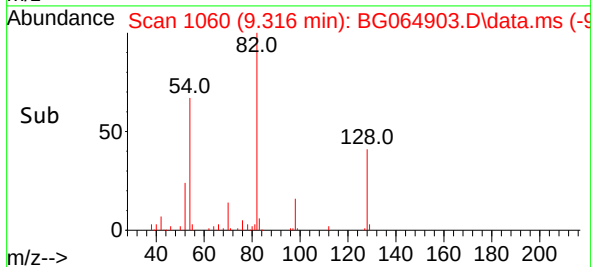
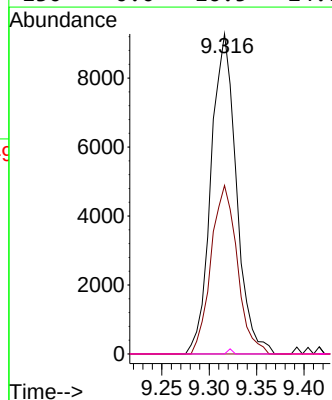
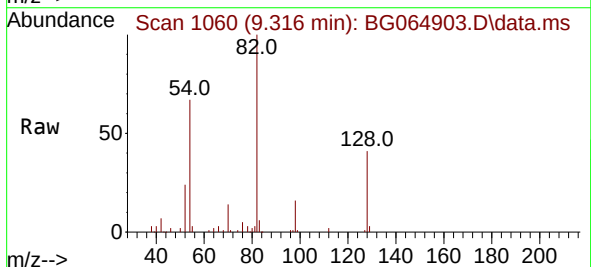
Instrument :
BNA_G
ClientSampleId :
PB170865BL

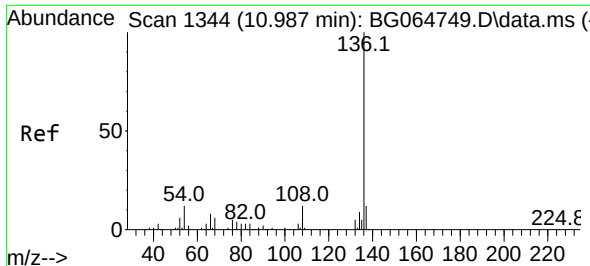
Tgt Ion: 99 Resp: 194106
Ion Ratio Lower Upper
99 100
42 22.3 16.8 25.2
71 45.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.054 ng
RT: 9.316 min Scan# 1060
Delta R.T. 0.344 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

Tgt Ion: 70 Resp: 17233
Ion Ratio Lower Upper
70 100
42 52.6 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

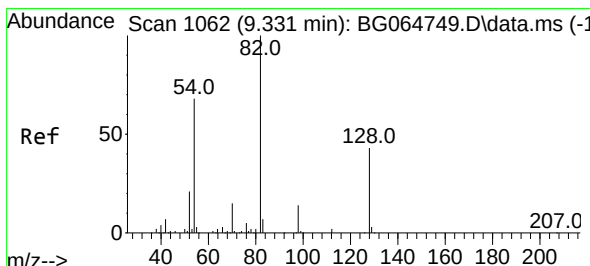
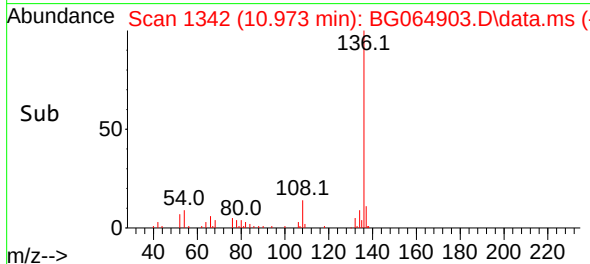
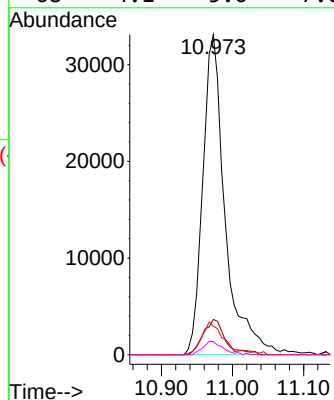
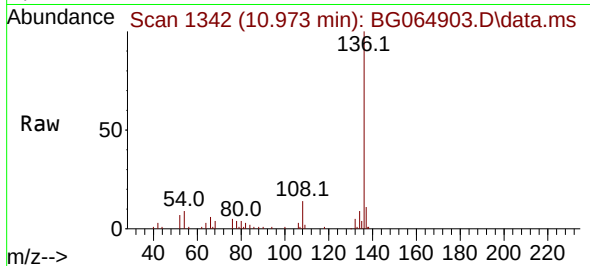




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

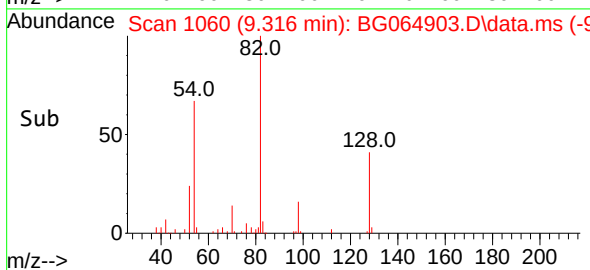
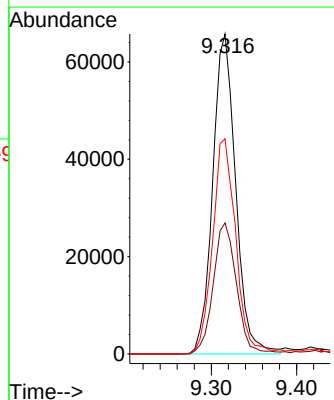
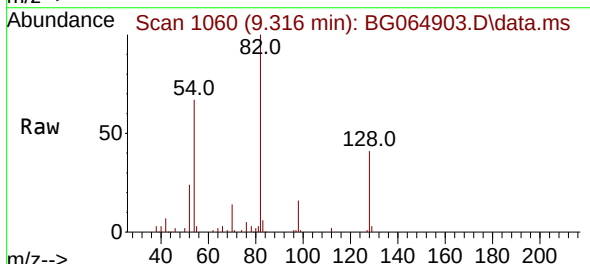
Instrument :
BNA_G
ClientSampleId :
PB170865BL

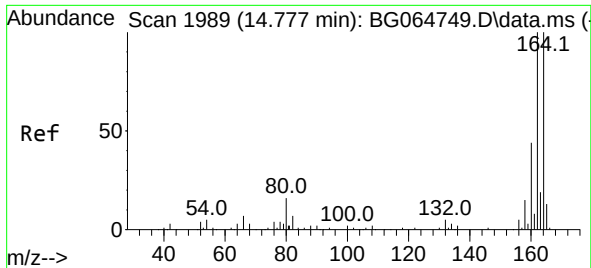
Tgt Ion:	136	Resp:	72279
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.3	13.9
54	8.9	9.3	13.9#
68	4.1	5.0	7.6#



#23
Nitrobenzene-d5
Concen: 84.126 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.015 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

Tgt Ion:	82	Resp:	122982
Ion Ratio	Lower	Upper	
82	100		
128	40.9	34.1	51.1
54	67.3	54.3	81.5

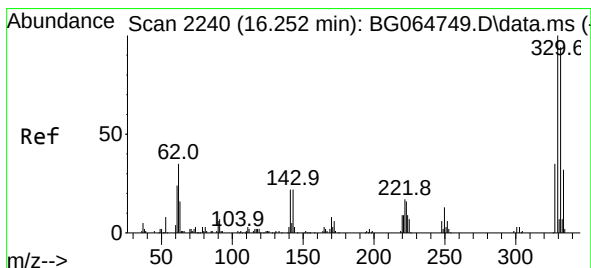
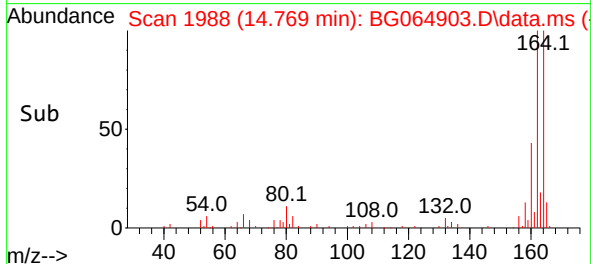
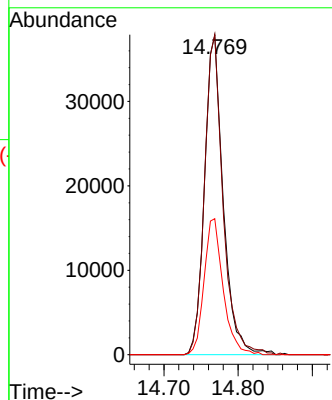
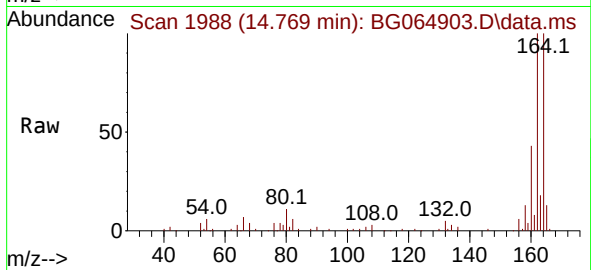




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.769 min Scan# 1988
 Delta R.T. -0.009 min
 Lab File: BG064903.D
 Acq: 9 Dec 2025 13:30

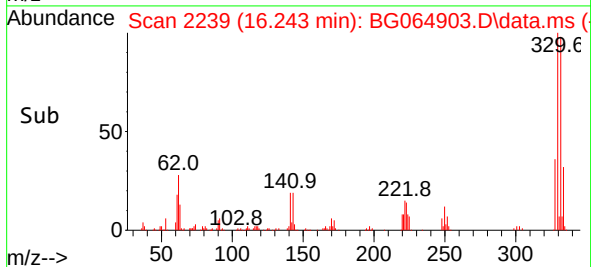
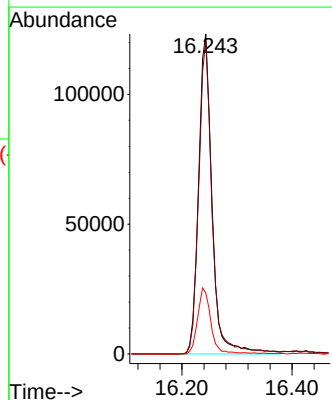
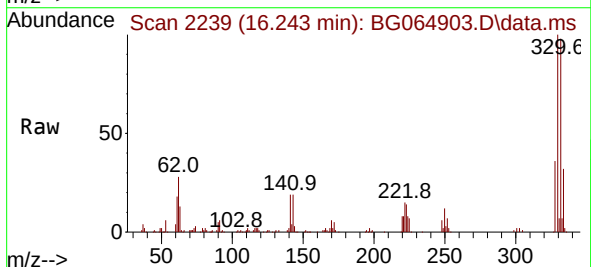
Instrument :
 BNA_G
 ClientSampleId :
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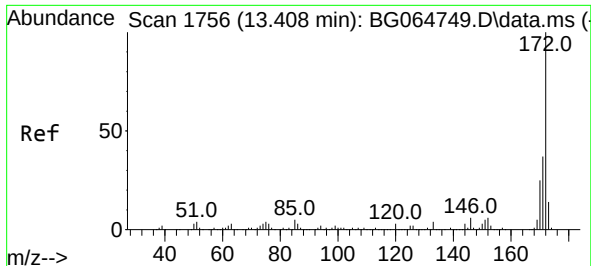
Tgt Ion:164 Resp: 66082
 Ion Ratio Lower Upper
 164 100
 162 100.1 79.8 119.6
 160 42.6 34.9 52.3



#42
 2,4,6-Tribromophenol
 Concen: 163.396 ng
 RT: 16.243 min Scan# 2239
 Delta R.T. -0.009 min
 Lab File: BG064903.D
 Acq: 9 Dec 2025 13:30

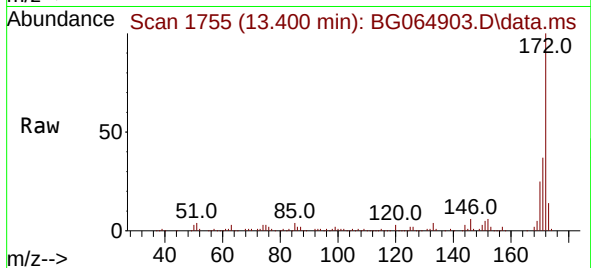
Tgt Ion:330 Resp: 210585
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 20.3 18.2 27.2



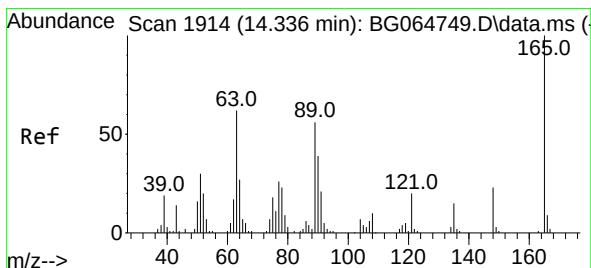
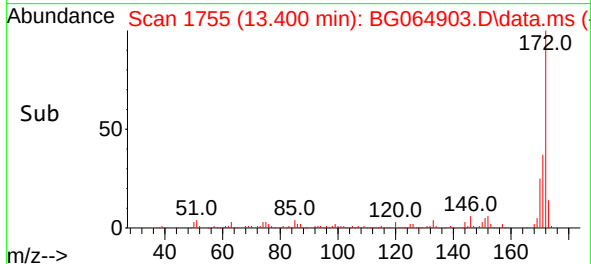
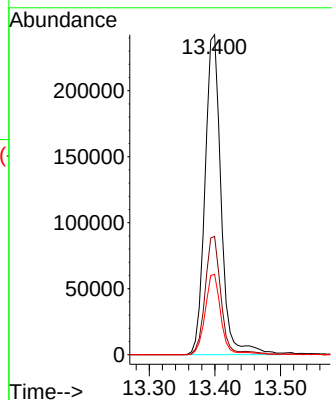


#45
2-Fluorobiphenyl
Concen: 87.835 ng
RT: 13.400 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

Instrument :
BNA_G
ClientSampleId :
PB170865BL

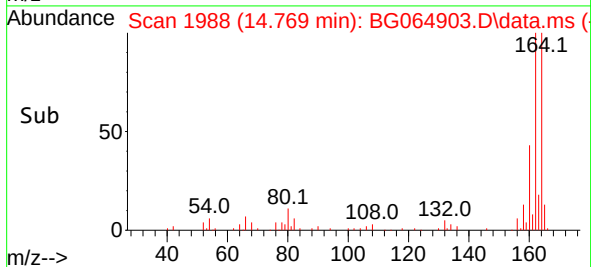
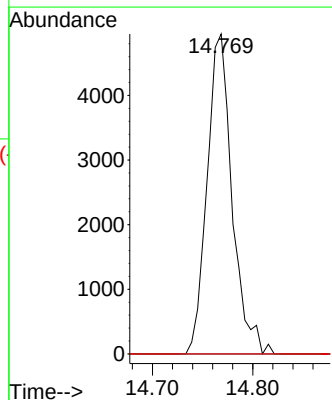
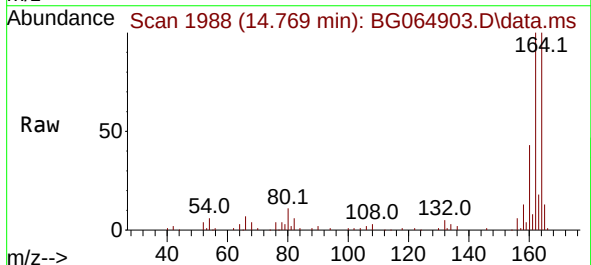


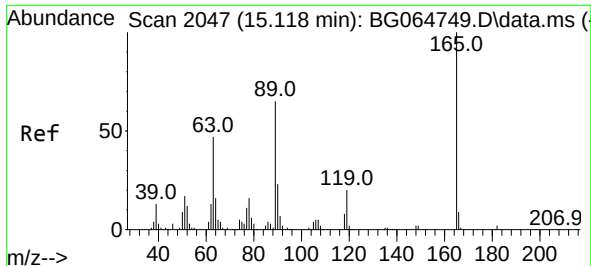
Tgt Ion:172 Resp: 415979
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 25.1 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.536 ng
RT: 14.769 min Scan# 1988
Delta R.T. 0.432 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

Tgt Ion:165 Resp: 8574
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

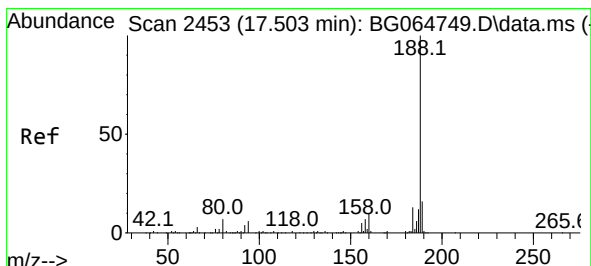
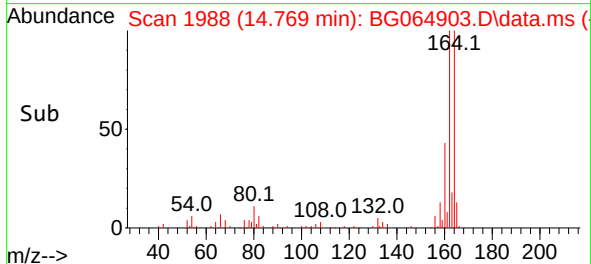
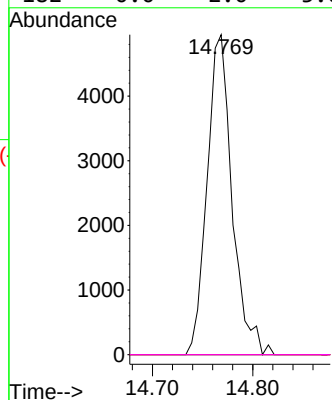
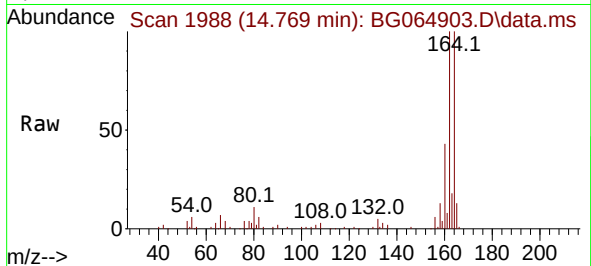




#57
2,4-Dinitrotoluene
Concen: 5.694 ng
RT: 14.769 min Scan# 1988
Delta R.T. -0.349 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

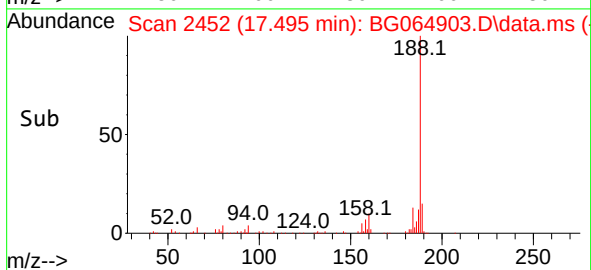
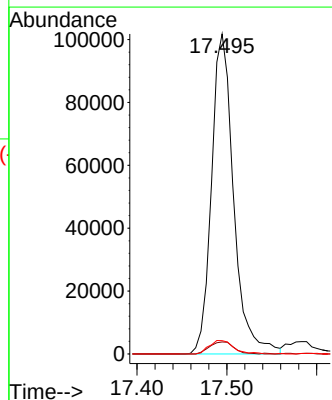
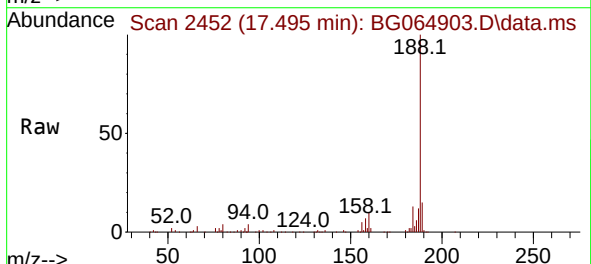
Instrument :
BNA_G
ClientSampleId :
PB170865BL

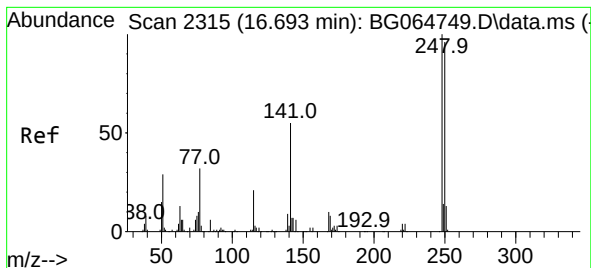
Tgt	Ion:165	Resp:	8574
Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.8	56.6#
89	0.0	51.6	77.4#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.495 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

Tgt Ion:188	Resp:	173863	
Ion Ratio	Lower	Upper	
188 100			
94 3.7	4.7	7.1#	
80 4.1	5.4	8.2#	

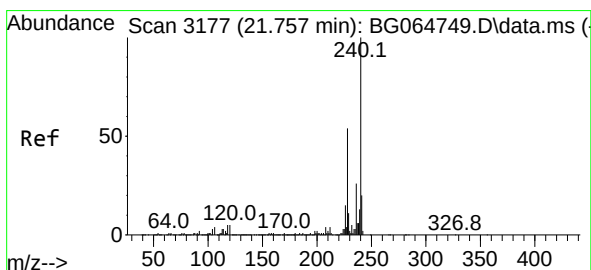
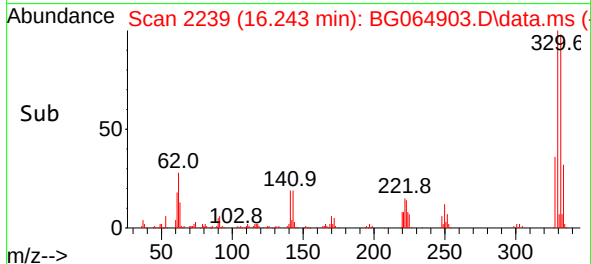
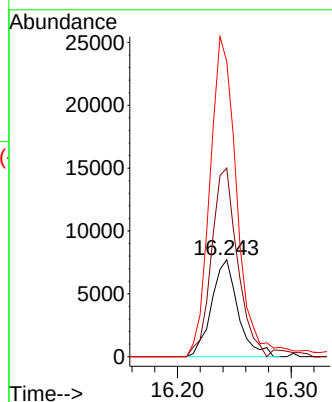
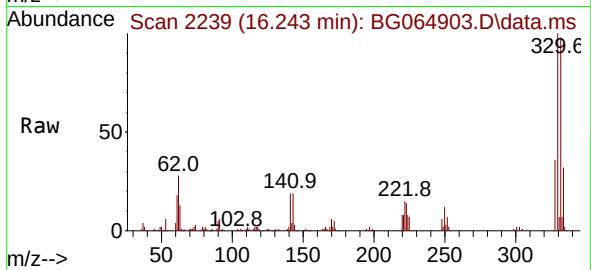




#67
4-Bromophenyl-phenylether
Concen: 5.427 ng
RT: 16.243 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

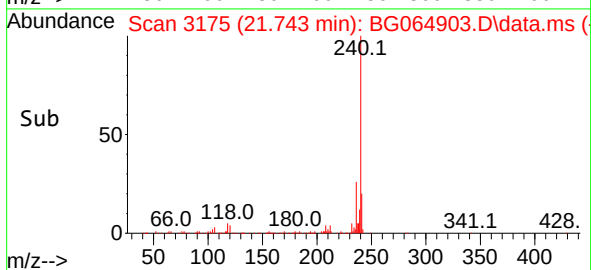
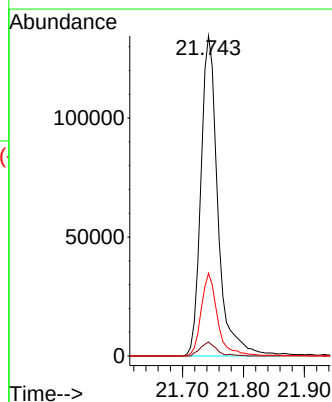
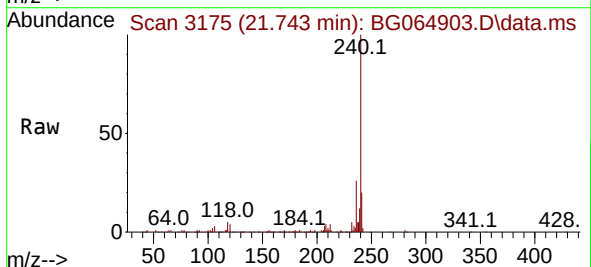
Instrument :
BNA_G
ClientSampleId :
PB170865BL

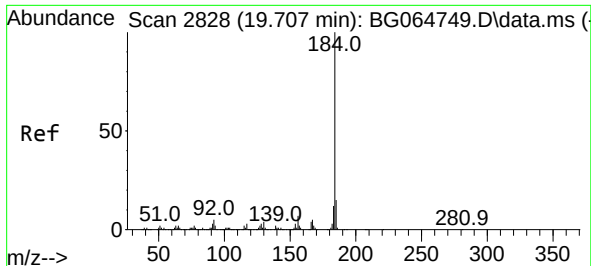
Tgt Ion:248 Resp: 12390
Ion Ratio Lower Upper
248 100
250 197.4 77.0 115.6#
141 242.0 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.743 min Scan# 3175
Delta R.T. -0.015 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

Tgt Ion:240 Resp: 261348
Ion Ratio Lower Upper
240 100
120 4.4 4.2 6.4
236 25.9 20.8 31.2

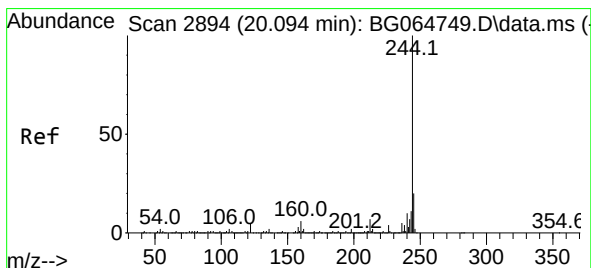
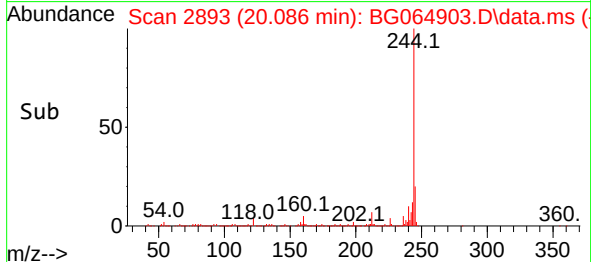
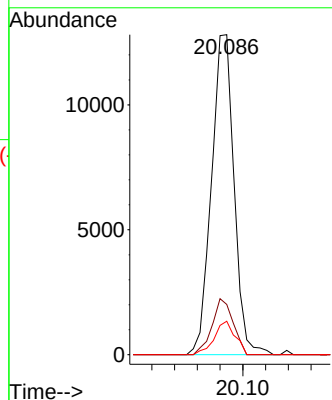
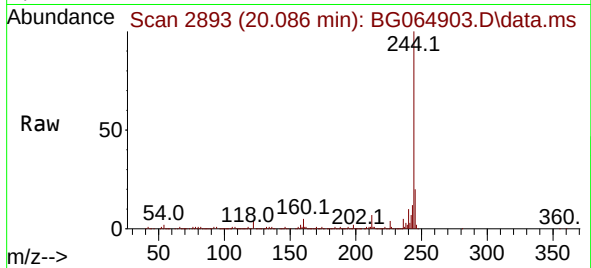




#77
Benzidine
Concen: 2.258 ng
RT: 20.086 min Scan# 2893
Delta R.T. 0.379 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

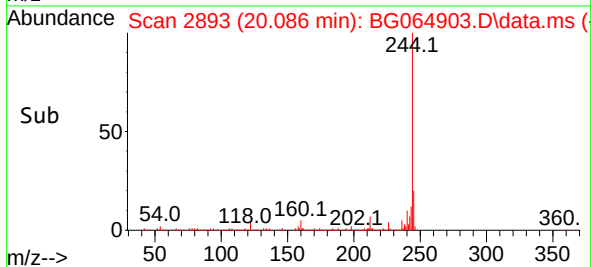
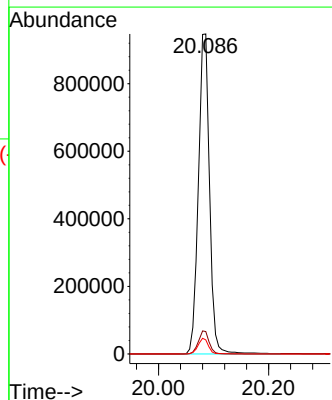
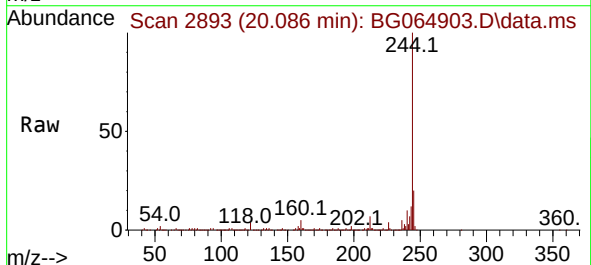
Instrument :
BNA_G
ClientSampleId :
PB170865BL

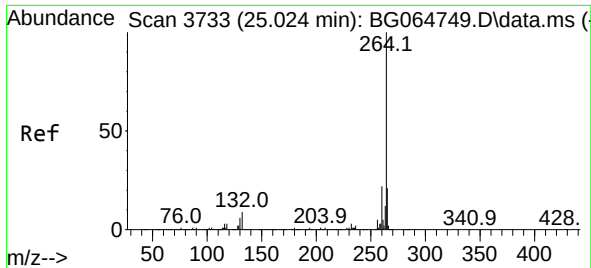
Tgt Ion:184 Resp: 17674
Ion Ratio Lower Upper
184 100
185 15.7 11.8 17.6
183 10.5 9.8 14.6



#79
Terphenyl-d14
Concen: 100.458 ng
RT: 20.086 min Scan# 2893
Delta R.T. -0.009 min
Lab File: BG064903.D
Acq: 9 Dec 2025 13:30

Tgt Ion:244 Resp: 1334680
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 4.4 4.3 6.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.998 min Scan# 31
 Delta R.T. -0.026 min
 Lab File: BG064903.D
 Acq: 9 Dec 2025 13:30

Instrument :
 BNA_G
 ClientSampleId :
 PB170865BL

Tgt Ion:264 Resp: 279139
 Ion Ratio Lower Upper
 264 100
 260 24.0 17.2 25.8
 265 22.7 16.6 25.0

