

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064908.D
 Acq On : 9 Dec 2025 17:01
 Operator : RC/JU
 Sample : PB170870BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170870BL

Quant Time: Dec 09 17:44:00 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)

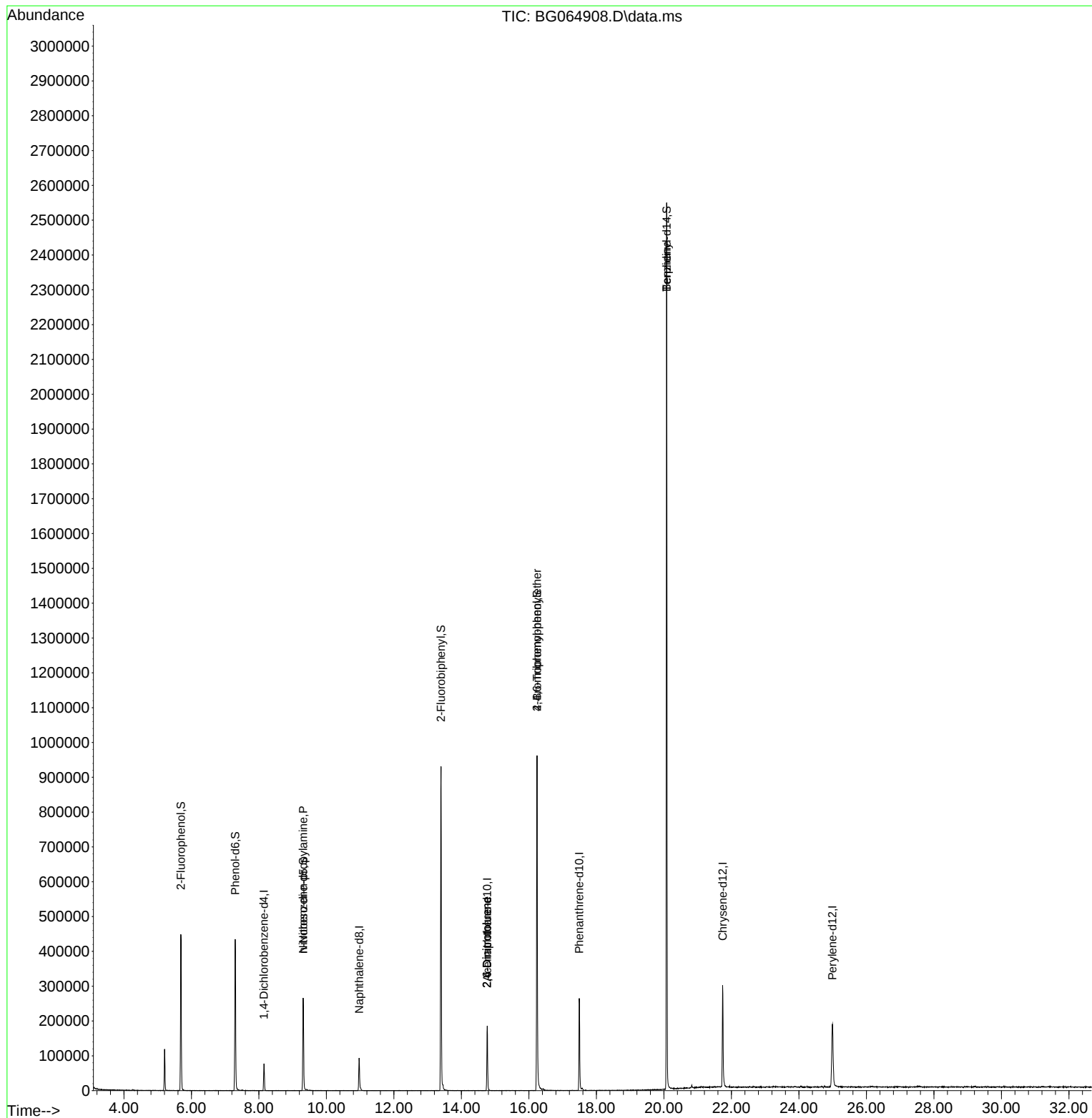
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	21463	20.000	ng	-0.02
21) Naphthalene-d8	10.969	136	88573	20.000	ng	#-0.02
39) Acenaphthene-d10	14.765	164	79626	20.000	ng	-0.01
64) Phenanthrene-d10	17.491	188	199445	20.000	ng	#-0.01
76) Chrysene-d12	21.739	240	231970	20.000	ng	#-0.02
86) Perylene-d12	24.988	264	254726	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	185594	150.998	ng	-0.01
7) Phenol-d6	7.297	99	230483	140.988	ng	-0.01
23) Nitrobenzene-d5	9.312	82	150318	83.910	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	262618	169.109	ng	-0.01
45) 2-Fluorobiphenyl	13.396	172	538134	94.301	ng	-0.01
79) Terphenyl-d14	20.082	244	1432766	121.498	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.312	70	20958	18.961	ng	# 68
51) 2,6-Dinitrotoluene	14.759	165	10226	8.449	ng	# 21
57) 2,4-Dinitrotoluene	14.759	165	10226	5.636	ng	# 24
67) 4-Bromophenyl-phenylether	16.240	248	14695	5.611	ng	# 1
77) Benzidine	20.082	184	19069	2.745	ng	# 92

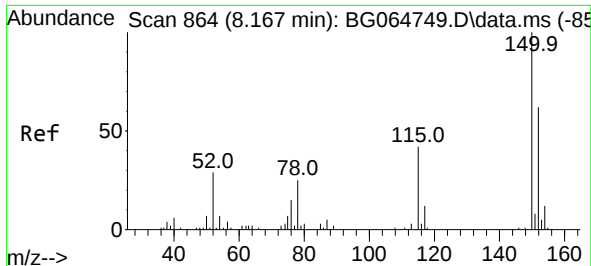
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
Data File : BG064908.D
Acq On : 9 Dec 2025 17:01
Operator : RC/JU
Sample : PB170870BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170870BL

Quant Time: Dec 09 17:44:00 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

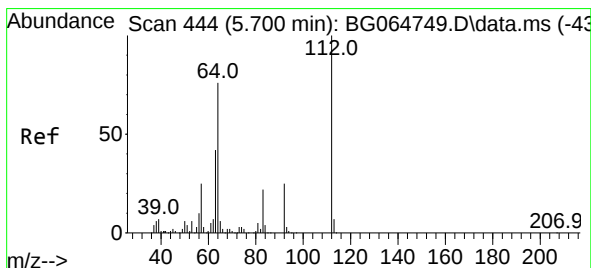
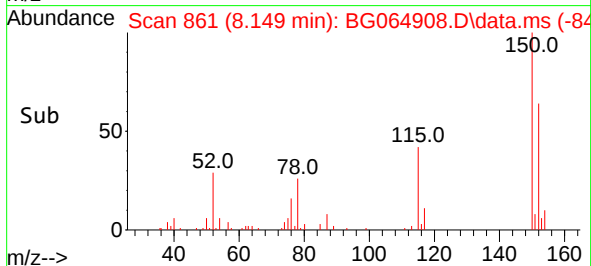
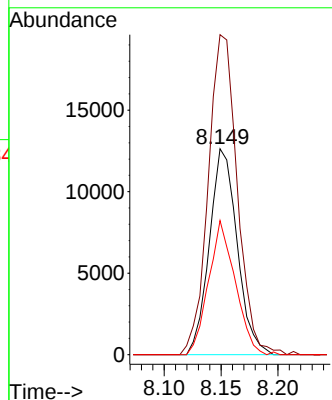
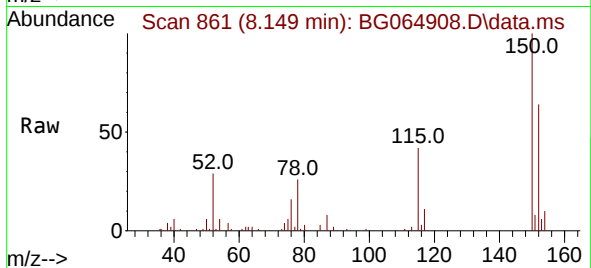




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 80
Delta R.T. -0.018 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

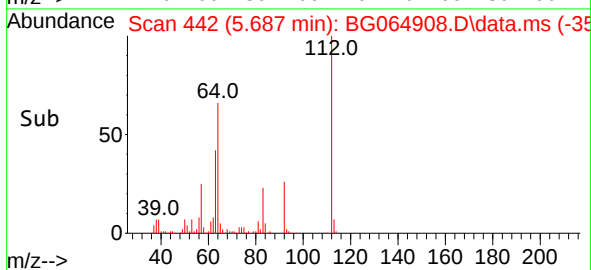
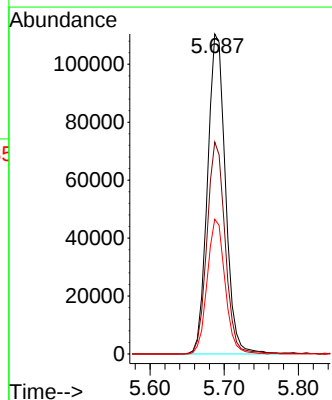
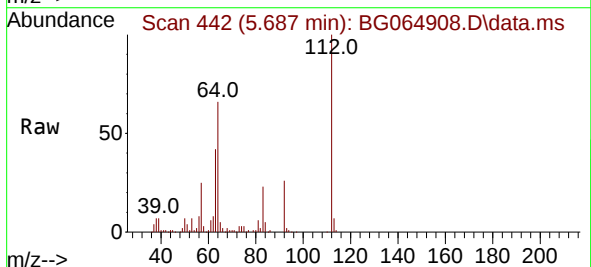
Instrument :
BNA_G
ClientSampleId :
PB170870BL

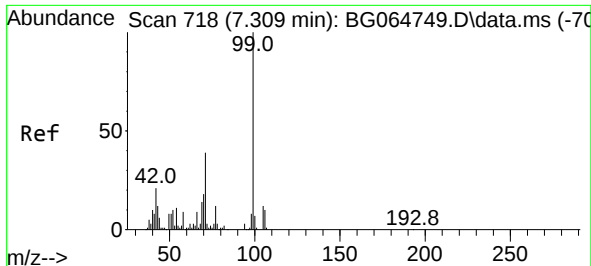
Tgt Ion:152 Resp: 21463
Ion Ratio Lower Upper
152 100
150 155.4 129.2 193.8
115 65.1 53.7 80.5



#5
2-Fluorophenol
Concen: 150.998 ng
RT: 5.687 min Scan# 442
Delta R.T. -0.012 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

Tgt Ion:112 Resp: 185594
Ion Ratio Lower Upper
112 100
64 66.3 61.0 91.4
63 42.1 33.3 49.9

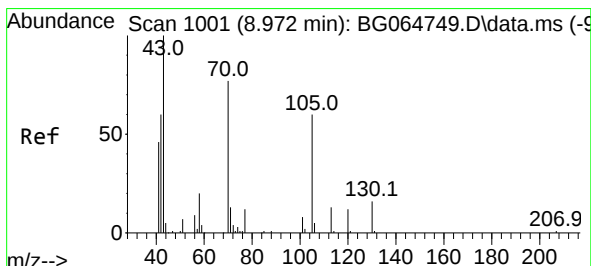
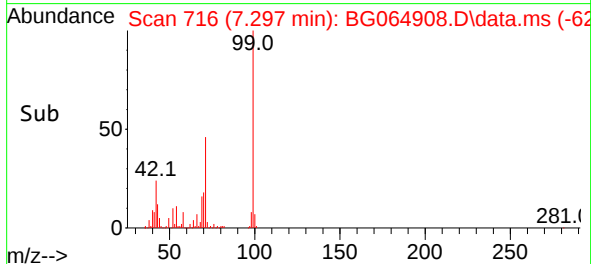
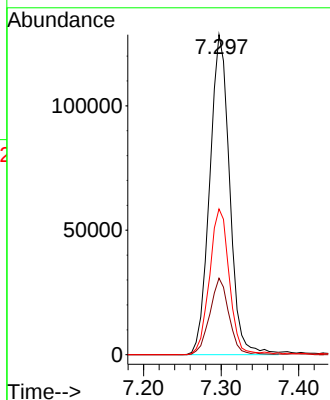
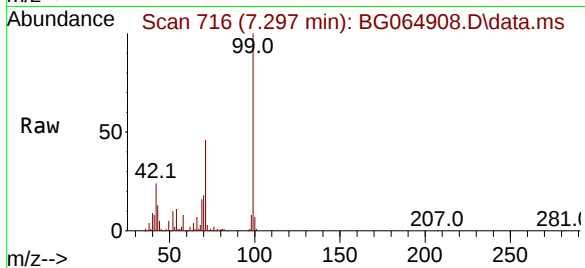




#7
Phenol-d6
Concen: 140.988 ng
RT: 7.297 min Scan# 71
Delta R.T. -0.012 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

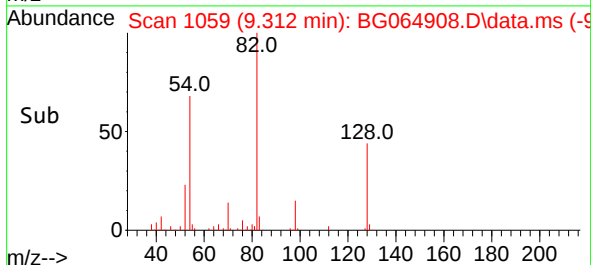
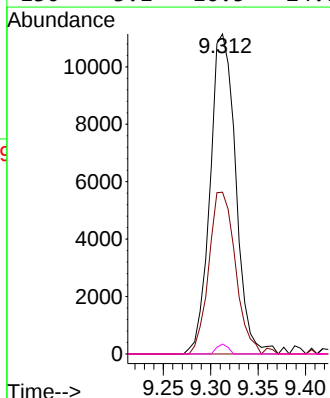
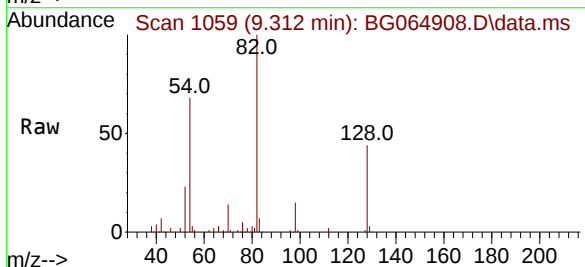
Instrument :
BNA_G
ClientSampleId :
PB170870BL

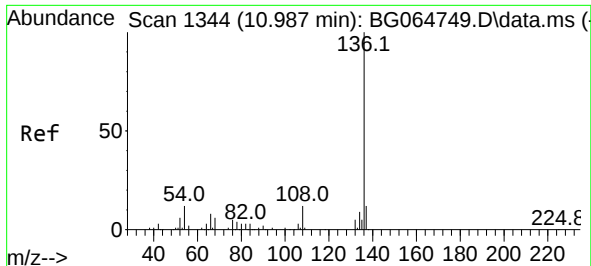
Tgt Ion: 99 Resp: 230483
Ion Ratio Lower Upper
99 100
42 23.9 16.8 25.2
71 45.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 18.961 ng
RT: 9.312 min Scan# 1059
Delta R.T. 0.340 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

Tgt Ion: 70 Resp: 20958
Ion Ratio Lower Upper
70 100
42 50.6 62.6 93.8#
101 0.0 8.0 12.0#
130 3.1 16.5 24.7#

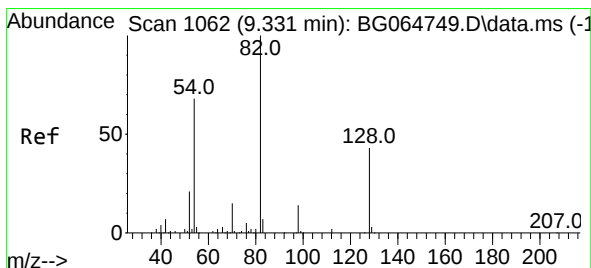
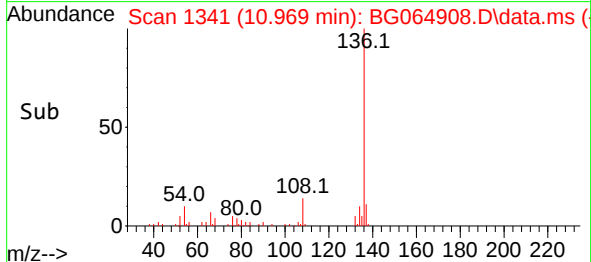
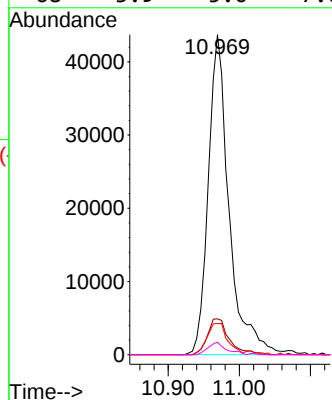
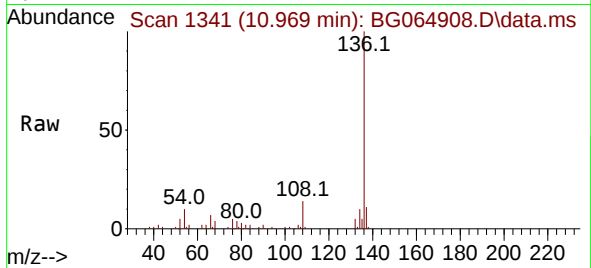




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

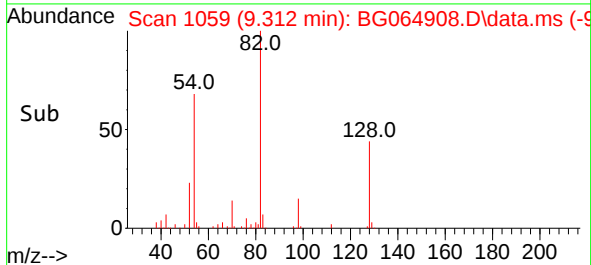
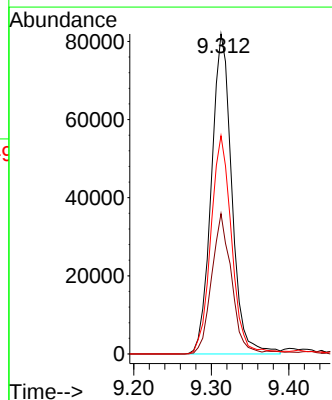
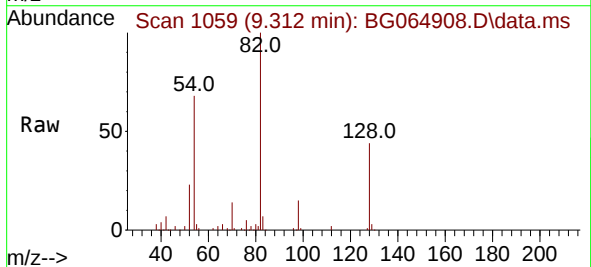
Instrument :
BNA_G
ClientSampleId :
PB170870BL

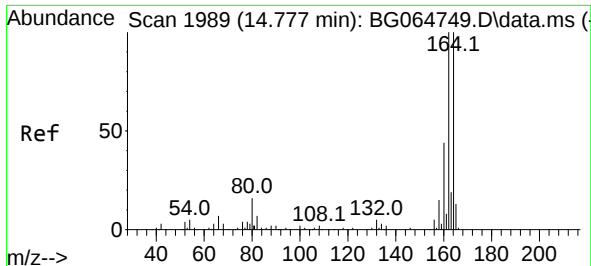
Tgt Ion:136	Resp:	88573
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.3 13.9
54	9.7	9.3 13.9
68	3.9	5.0 7.6



#23
Nitrobenzene-d5
Concen: 83.910 ng
RT: 9.312 min Scan# 1059
Delta R.T. -0.018 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

Tgt Ion: 82	Resp:	150318
Ion Ratio	Lower	Upper
82	100	
128	43.8	34.1 51.1
54	68.2	54.3 81.5

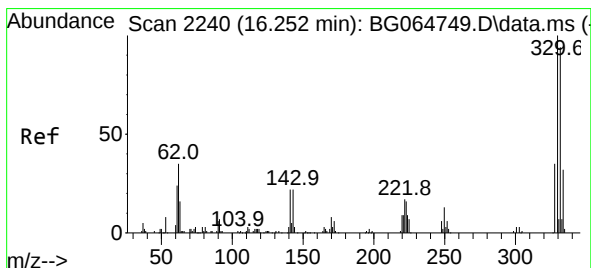
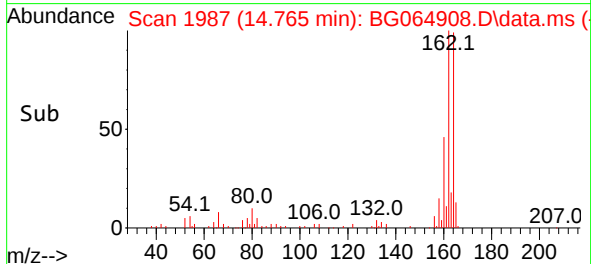
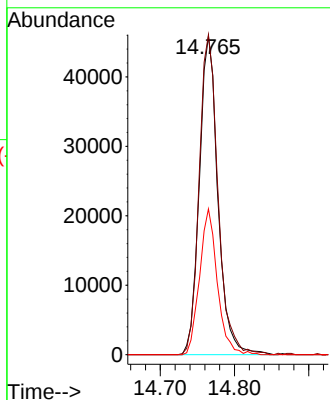
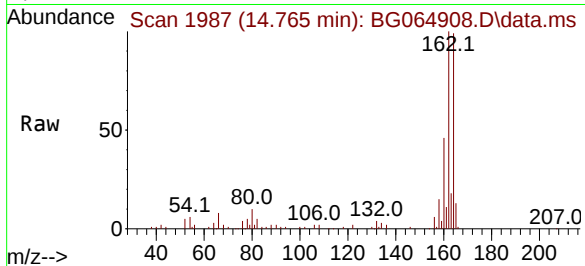




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.765 min Scan# 1989
Delta R.T. -0.012 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

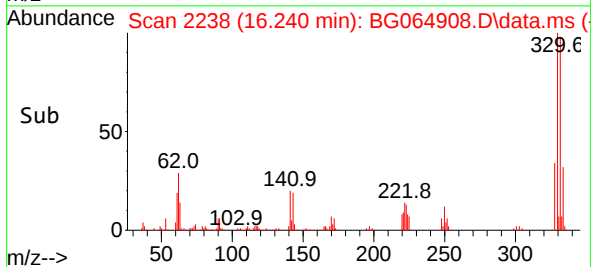
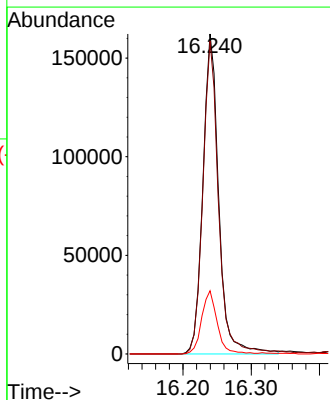
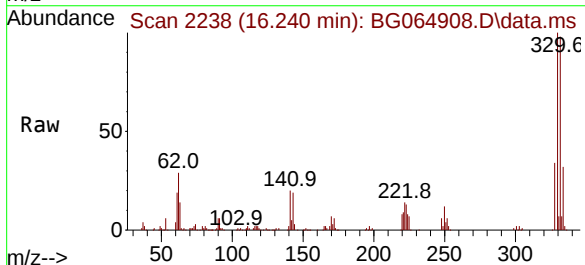
Instrument :
BNA_G
ClientSampleId :
PB170870BL

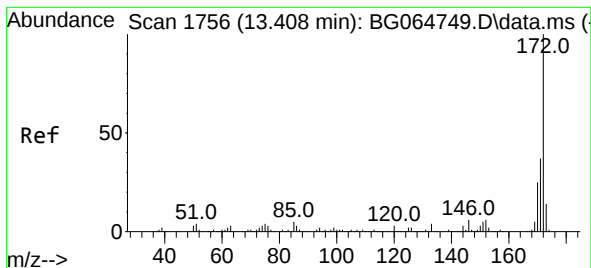
Tgt Ion:164 Resp: 79626
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.6
160 45.8 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 169.109 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.012 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

Tgt Ion:330 Resp: 262618
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 19.4 18.2 27.2

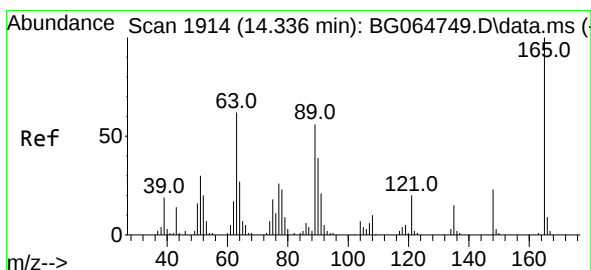
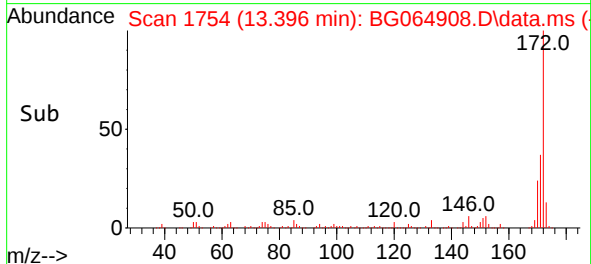
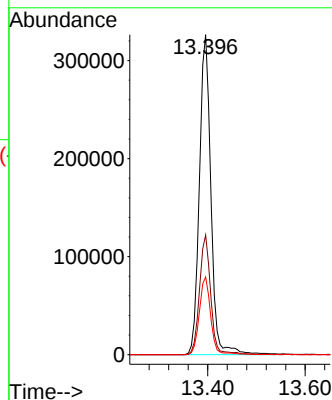
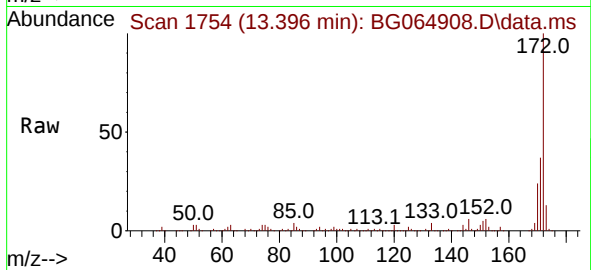




#45
2-Fluorobiphenyl
Concen: 94.301 ng
RT: 13.396 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

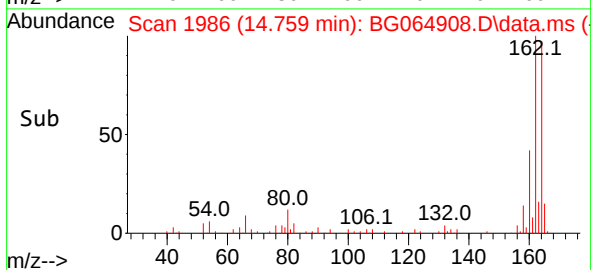
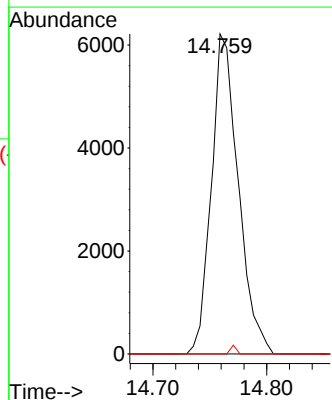
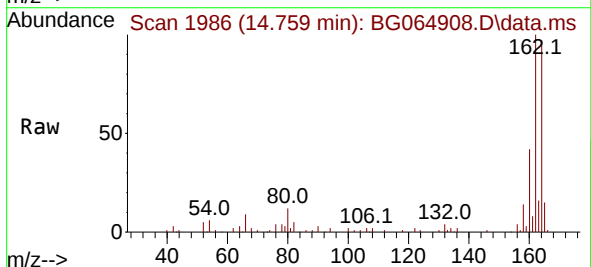
Instrument :
BNA_G
ClientSampleId :
PB170870BL

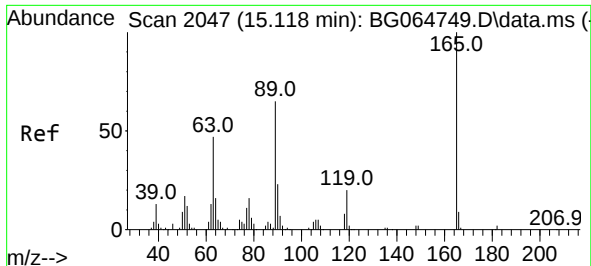
Tgt Ion:172 Resp: 538134
Ion Ratio Lower Upper
172 100
171 37.4 29.9 44.9
170 24.3 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.449 ng
RT: 14.759 min Scan# 1986
Delta R.T. 0.422 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

Tgt Ion:165 Resp: 10226
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: 5.636 ng

RT: 14.759 min Scan# 1986

Delta R.T. -0.359 min

Lab File: BG064908.D

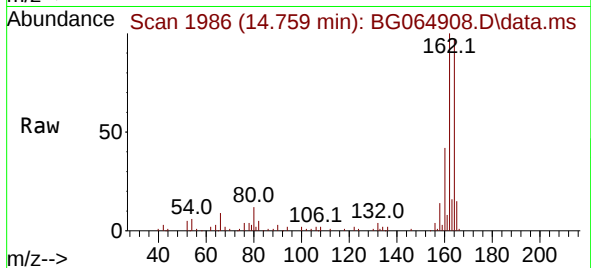
Acq: 9 Dec 2025 17:01

Instrument :

BNA_G

ClientSampleId :

PB170870BL



Tgt Ion:165 Resp: 10226

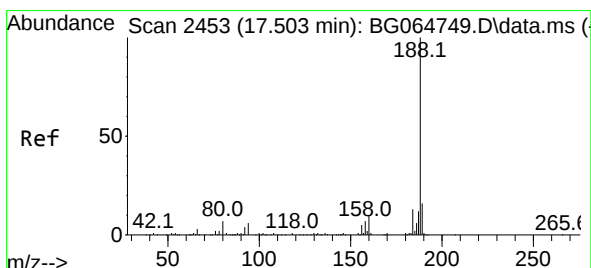
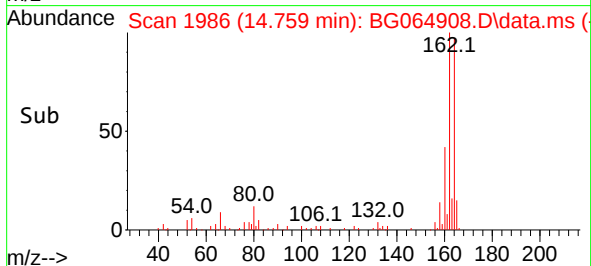
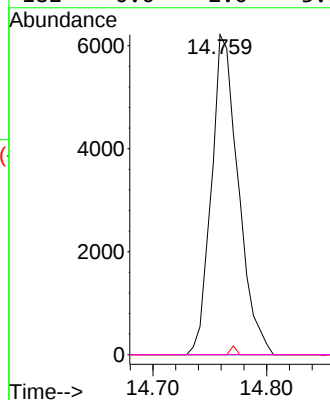
Ion Ratio Lower Upper

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: 17.491 min Scan# 2451

Delta R.T. -0.012 min

Lab File: BG064908.D

Acq: 9 Dec 2025 17:01

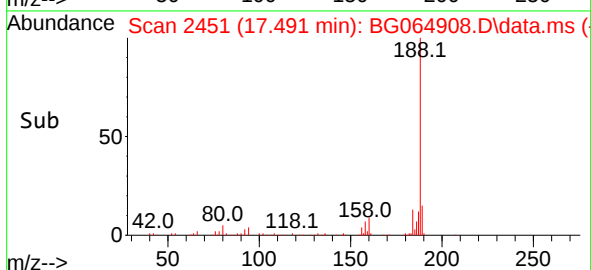
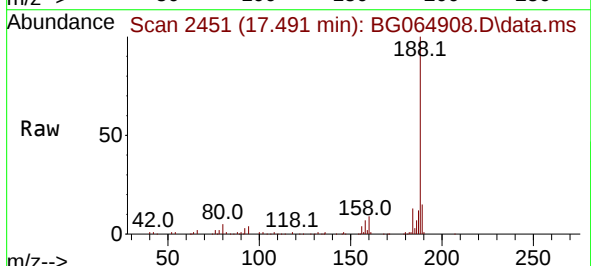
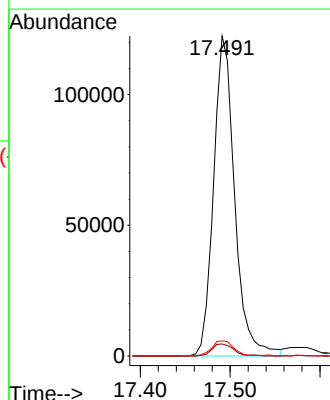
Tgt Ion:188 Resp: 199445

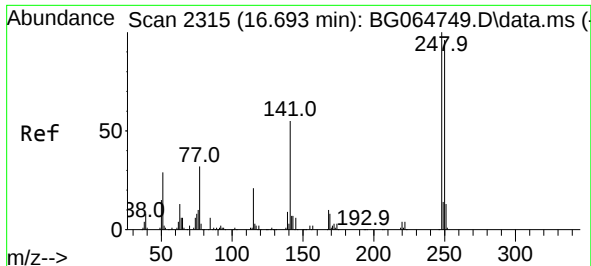
Ion Ratio Lower Upper

188 100

94 3.7 4.7 7.1#

80 4.7 5.4 8.2#

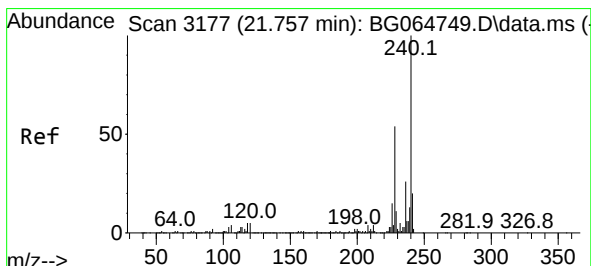
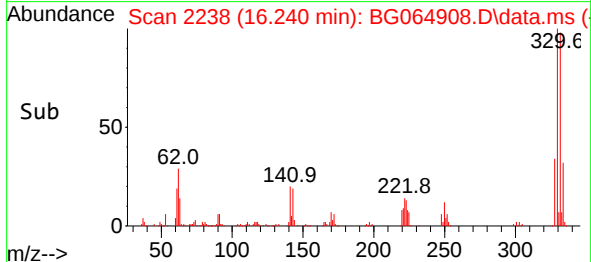
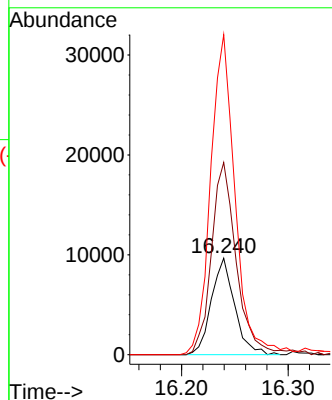
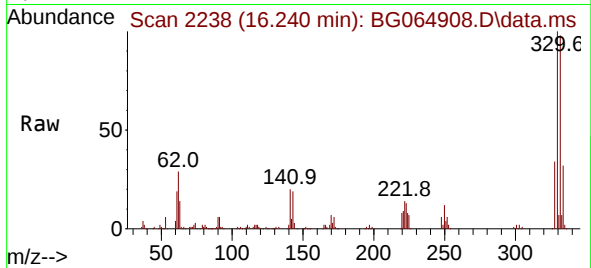




#67
4-Bromophenyl-phenylether
Concen: 5.611 ng
RT: 16.240 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

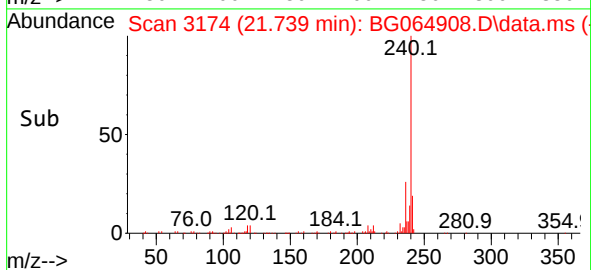
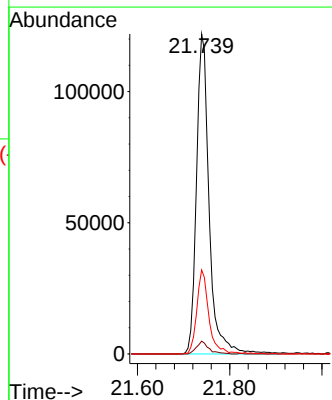
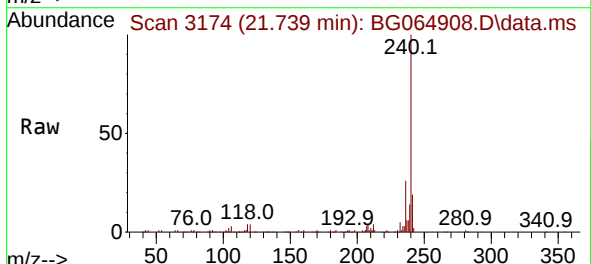
Instrument :
BNA_G
ClientSampleId :
PB170870BL

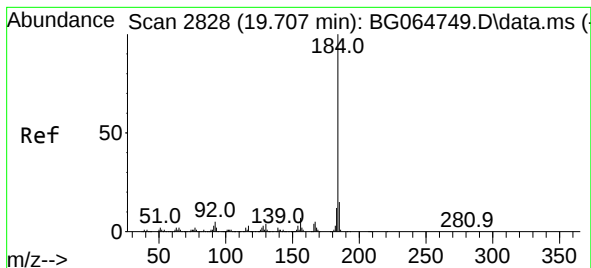
Tgt Ion:248 Resp: 14695
Ion Ratio Lower Upper
248 100
250 199.1 77.0 115.6#
141 331.4 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.018 min
Lab File: BG064908.D
Acq: 9 Dec 2025 17:01

Tgt Ion:240 Resp: 231970
Ion Ratio Lower Upper
240 100
120 4.0 4.2 6.4#
236 26.3 20.8 31.2





#77

Benzidine

Concen: 2.745 ng

RT: 20.082 min Scan# 2892

Delta R.T. 0.375 min

Lab File: BG064908.D

Acq: 9 Dec 2025 17:01

Instrument :

BNA_G

ClientSampleId :

PB170870BL

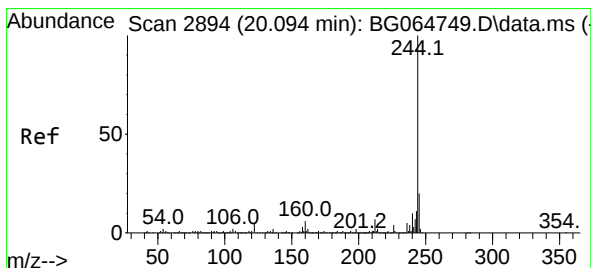
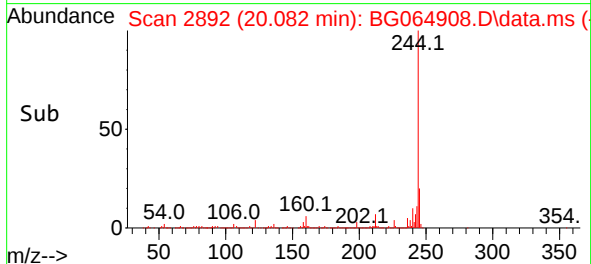
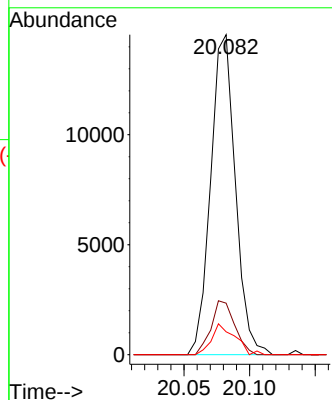
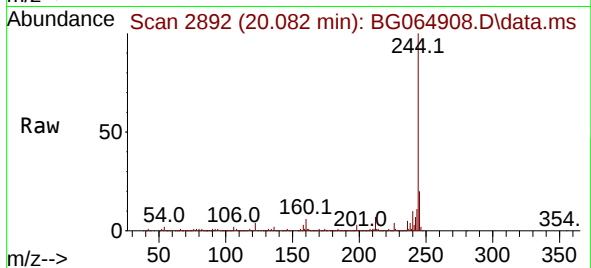
Tgt Ion:184 Resp: 19069

Ion Ratio Lower Upper

184 100

185 16.1 11.8 17.6

183 7.1 9.8 14.6#



#79

Terphenyl-d14

Concen: 121.498 ng

RT: 20.082 min Scan# 2892

Delta R.T. -0.012 min

Lab File: BG064908.D

Acq: 9 Dec 2025 17:01

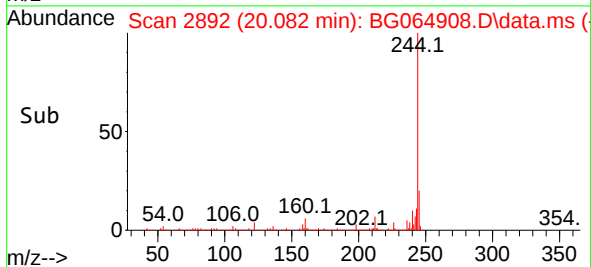
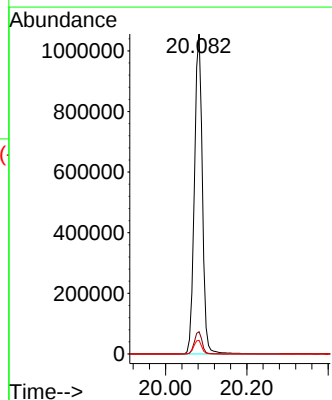
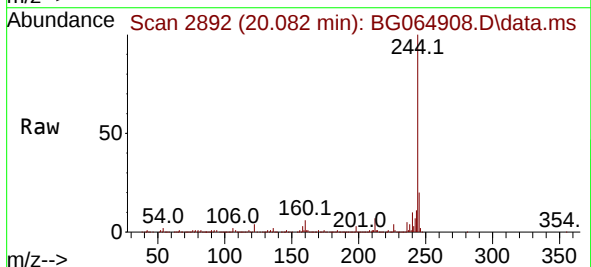
Tgt Ion:244 Resp: 1432766

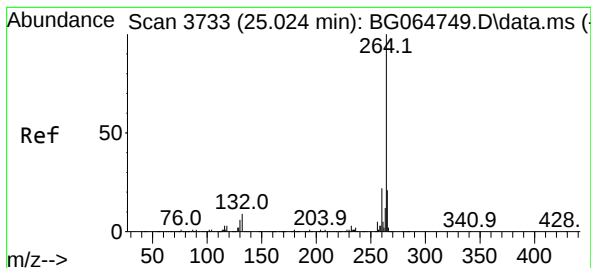
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 4.2 4.3 6.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.988 min Scan# 31

Delta R.T. -0.036 min

Lab File: BG064908.D

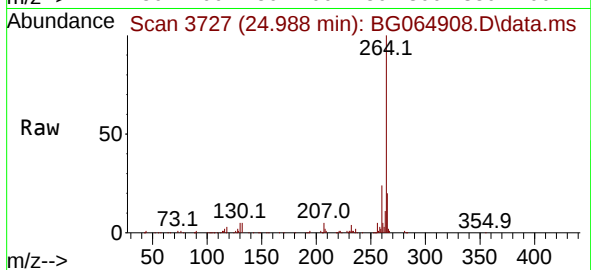
Acq: 9 Dec 2025 17:01

Instrument :

BNA_G

ClientSampleId :

PB170870BL



Tgt Ion:264 Resp: 254726

Ion Ratio Lower Upper

264 100

260 24.1 17.2 25.8

265 20.1 16.6 25.0

