

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064945.D
 Acq On : 11 Dec 2025 22:20
 Operator : RC/JU
 Sample : Q3826-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 22:56:18 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)

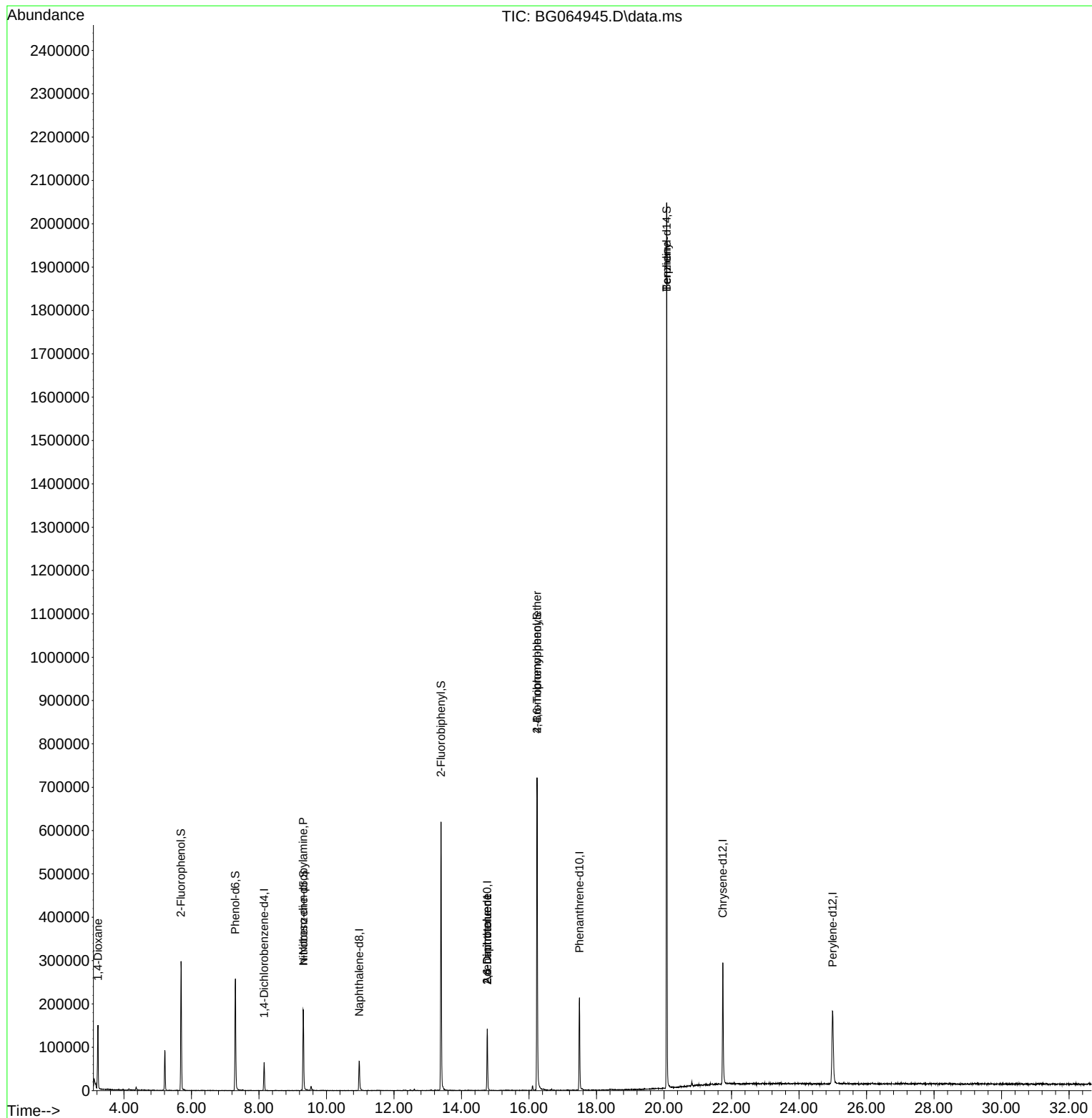
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	19181	20.000	ng	-0.01
21) Naphthalene-d8	10.967	136	68312	20.000	ng	#-0.02
39) Acenaphthene-d10	14.763	164	59786	20.000	ng	-0.01
64) Phenanthrene-d10	17.495	188	162903	20.000	ng	# 0.00
76) Chrysene-d12	21.743	240	214818	20.000	ng	#-0.01
86) Perylene-d12	24.998	264	236191	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	119961	109.211	ng	0.00
7) Phenol-d6	7.301	99	137604	94.187	ng	0.00
23) Nitrobenzene-d5	9.316	82	109185	79.026	ng	-0.01
42) 2,4,6-Tribromophenol	16.238	330	202479	173.651	ng	-0.01
45) 2-Fluorobiphenyl	13.394	172	358368	83.639	ng	-0.01
79) Terphenyl-d14	20.080	244	1108334	101.490	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.229	88	1072	2.521	ng	# 1
19) n-Nitroso-di-n-propyla...	9.310	70	14978	15.163	ng	# 71
51) 2,6-Dinitrotoluene	14.763	165	7642	8.409	ng	# 23
57) 2,4-Dinitrotoluene	14.763	165	7642	5.609	ng	# 26
67) 4-Bromophenyl-phenylether	16.238	248	11929	5.576	ng	# 1
77) Benzidine	20.080	184	15421	2.397	ng	96

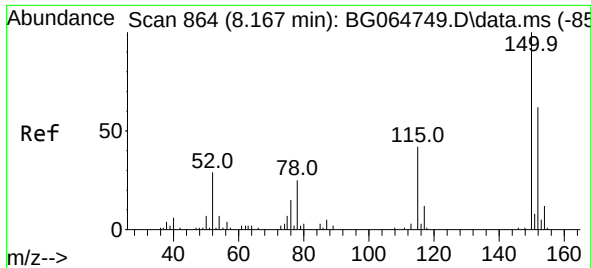
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
Data File : BG064945.D
Acq On : 11 Dec 2025 22:20
Operator : RC/JU
Sample : Q3826-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

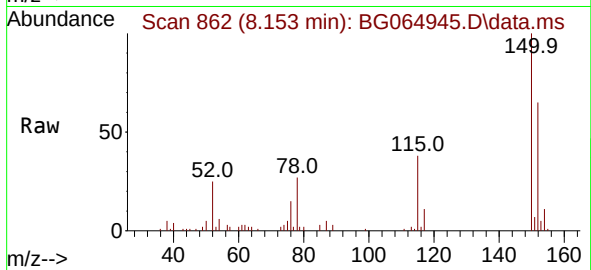
Quant Time: Dec 11 22:56:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



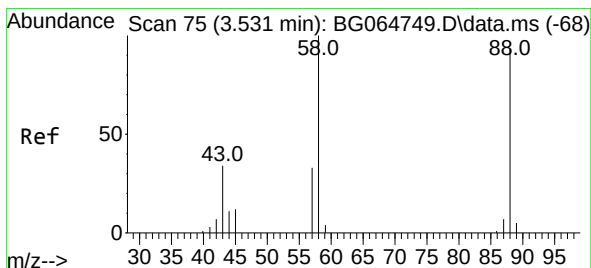
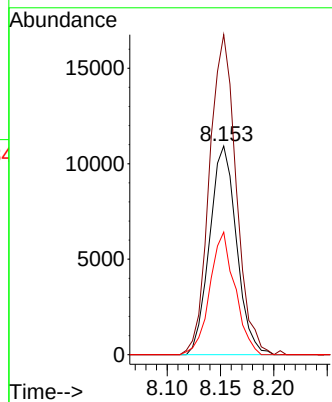
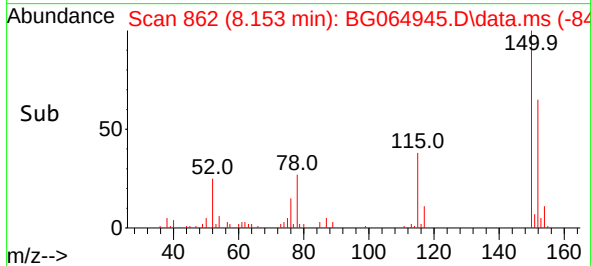


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.153 min Scan# 80
 Delta R.T. -0.014 min
 Lab File: BG064945.D
 Acq: 11 Dec 2025 22:20

Instrument :
 BNA_G
 ClientSampleId :

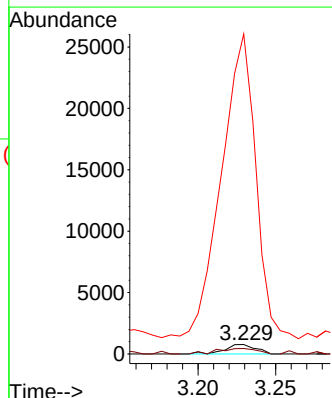
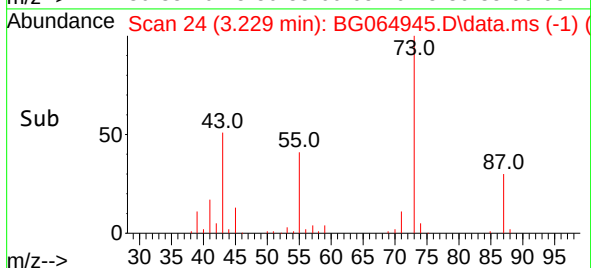
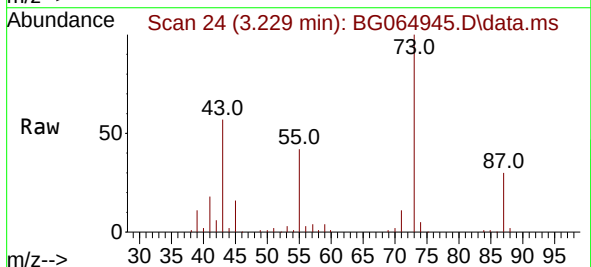


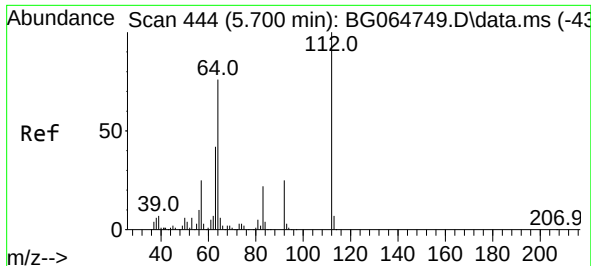
Tgt Ion:152 Resp: 19181
 Ion Ratio Lower Upper
 152 100
 150 153.4 129.2 193.8
 115 58.8 53.7 80.5



#2
 1,4-Dioxane
 Concen: 2.521 ng
 RT: 3.229 min Scan# 24
 Delta R.T. -0.302 min
 Lab File: BG064945.D
 Acq: 11 Dec 2025 22:20

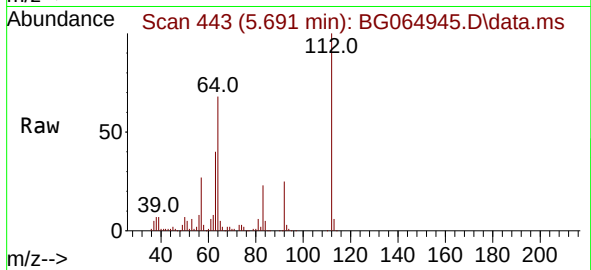
Tgt Ion: 88 Resp: 1072
 Ion Ratio Lower Upper
 88 100
 58 74.4 84.6 126.8#
 43 3563.4 30.0 45.0#



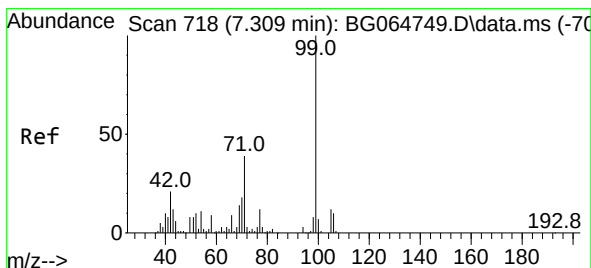
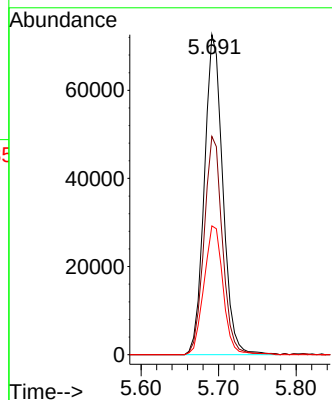
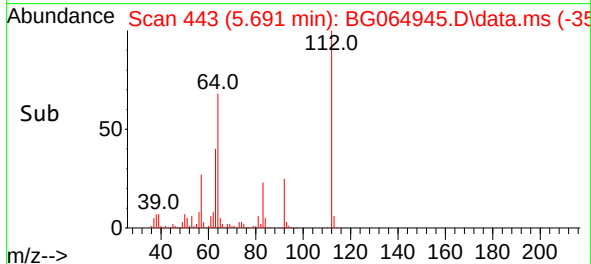


#5
2-Fluorophenol
Concen: 109.211 ng
RT: 5.691 min Scan# 444
Delta R.T. -0.008 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20

Instrument :
BNA_G
ClientSampleId :

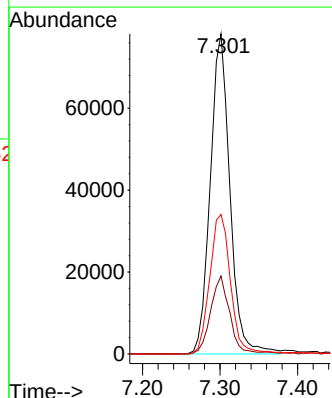
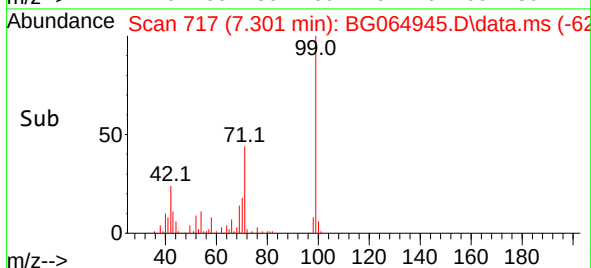
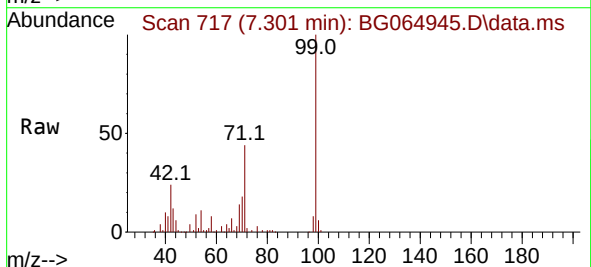


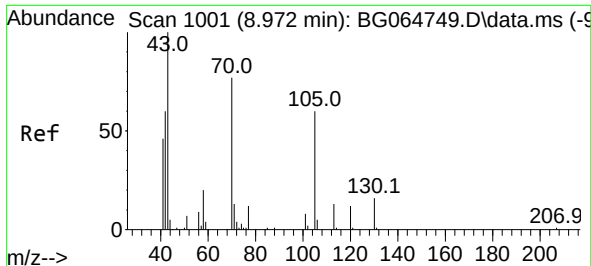
Tgt Ion:112 Resp: 119961
Ion Ratio Lower Upper
112 100
64 68.2 61.0 91.4
63 40.2 33.3 49.9



#7
Phenol-d6
Concen: 94.187 ng
RT: 7.301 min Scan# 717
Delta R.T. -0.008 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20

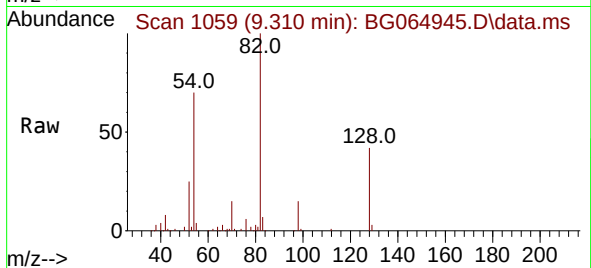
Tgt Ion: 99 Resp: 137604
Ion Ratio Lower Upper
99 100
42 24.3 16.8 25.2
71 43.6 31.1 46.7



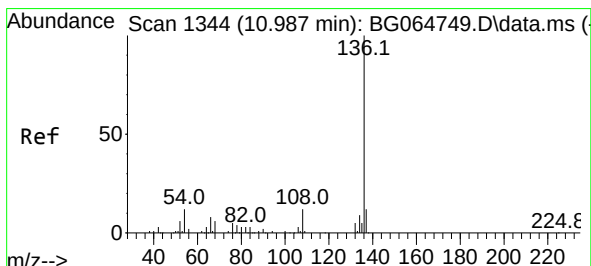
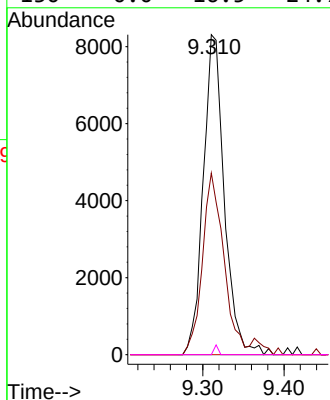
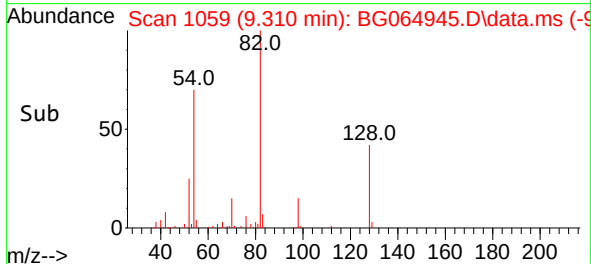


#19
n-Nitroso-di-n-propylamine
Concen: 15.163 ng
RT: 9.310 min Scan# 1059
Delta R.T. 0.338 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20

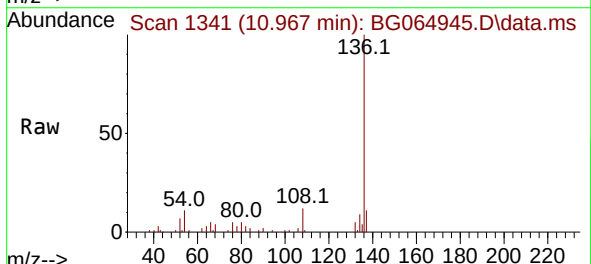
Instrument :
BNA_G
ClientSampleId :



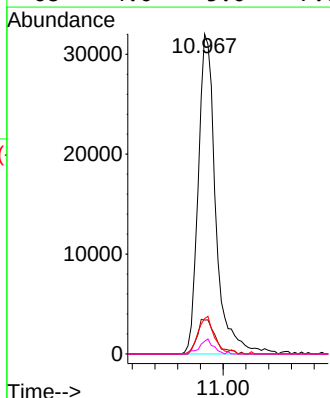
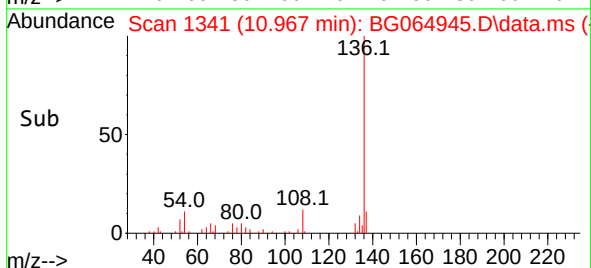
Tgt Ion: 70 Resp: 14978
Ion Ratio Lower Upper
70 100
42 56.7 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

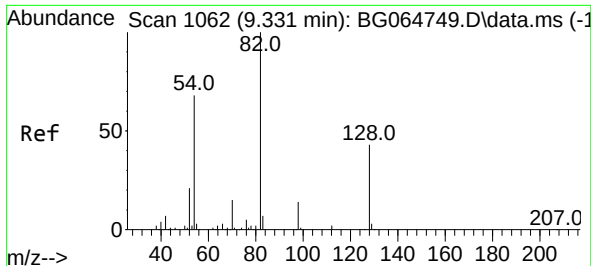


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1341
Delta R.T. -0.020 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20



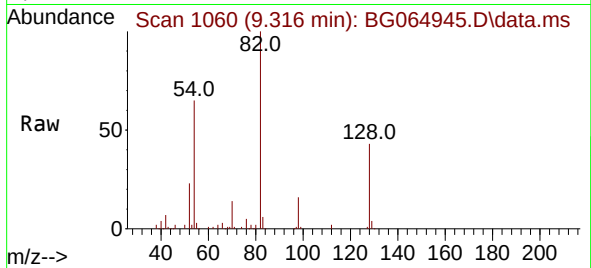
Tgt Ion: 136 Resp: 68312
Ion Ratio Lower Upper
136 100
137 10.6 9.3 13.9
54 11.1 9.3 13.9
68 4.0 5.0 7.6#



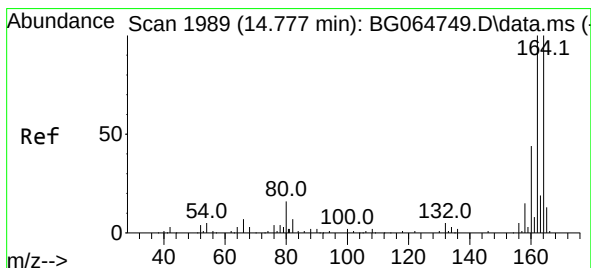
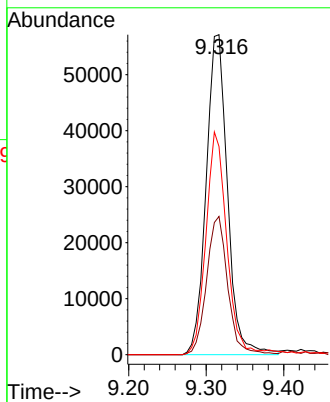
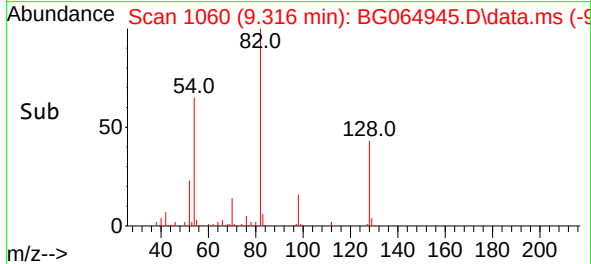


#23
Nitrobenzene-d5
Concen: 79.026 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.014 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20

Instrument :
BNA_G
ClientSampleId :

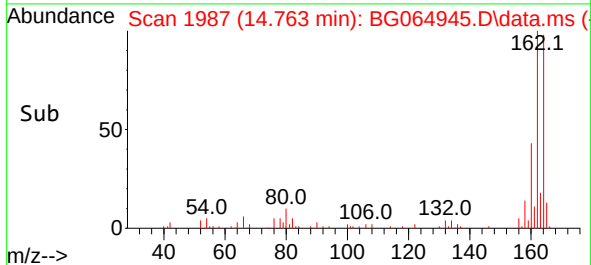
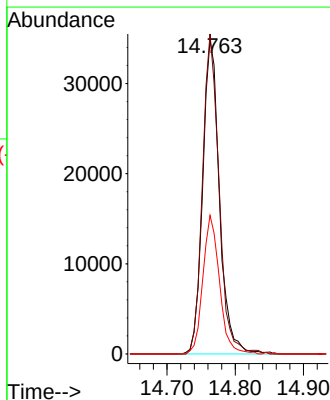
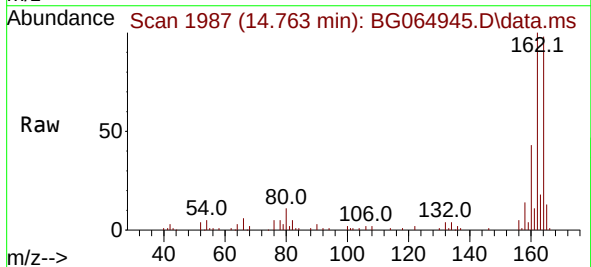


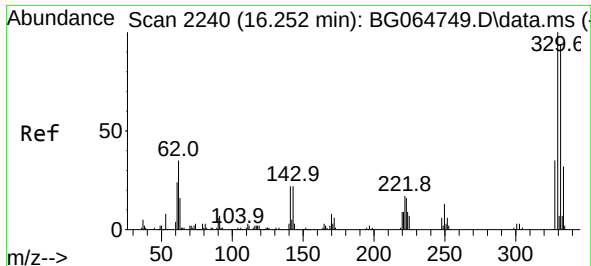
Tgt Ion: 82 Resp: 109185
Ion Ratio Lower Upper
82 100
128 43.2 34.1 51.1
54 65.0 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.763 min Scan# 1987
Delta R.T. -0.014 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20

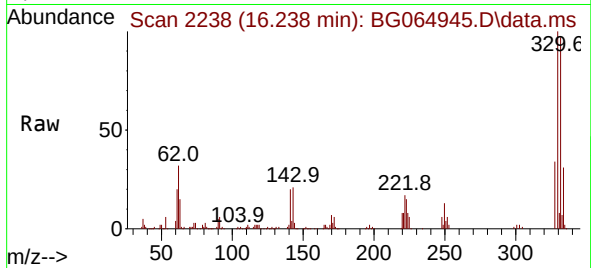
Tgt Ion: 164 Resp: 59786
Ion Ratio Lower Upper
164 100
162 101.9 79.8 119.6
160 44.1 34.9 52.3



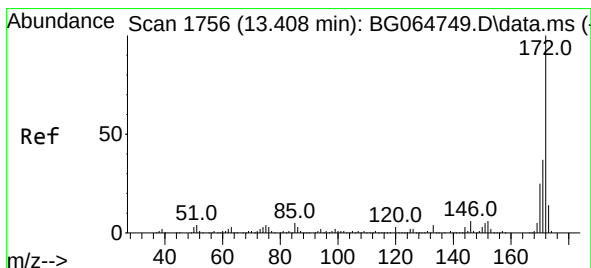
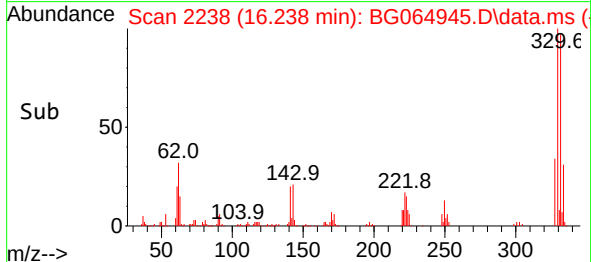
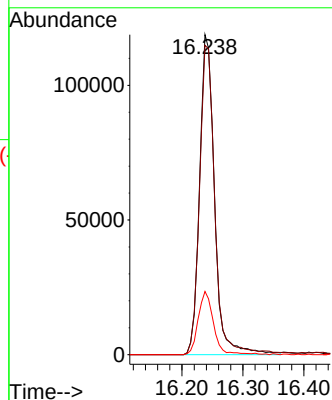


#42
 2,4,6-Tribromophenol
 Concen: 173.651 ng
 RT: 16.238 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG064945.D
 Acq: 11 Dec 2025 22:20

Instrument :
 BNA_G
 ClientSampleId :

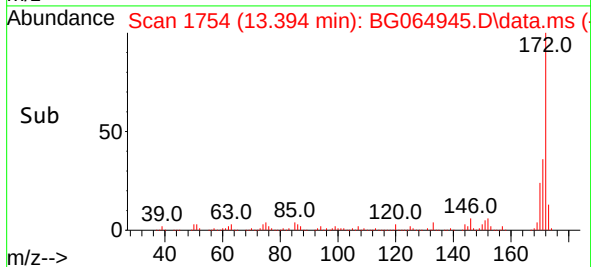
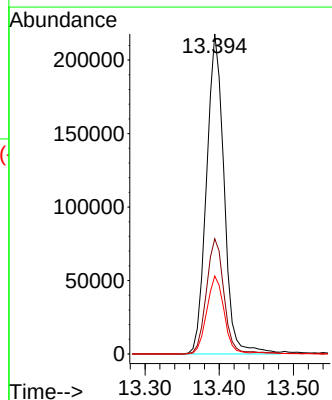
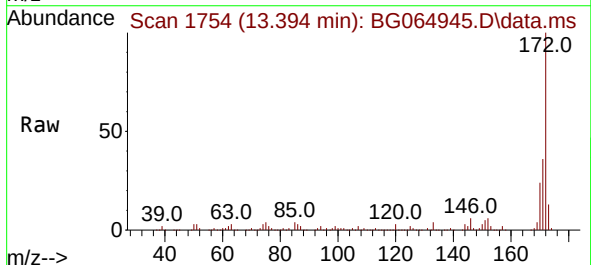


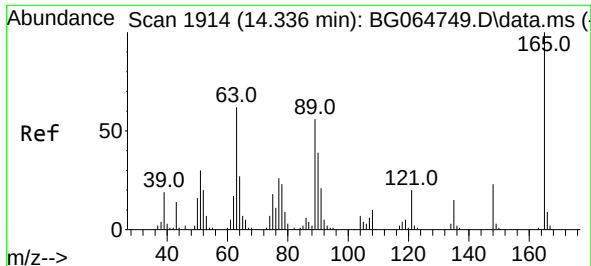
Tgt Ion:330 Resp: 202479
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.0 115.6
 141 20.3 18.2 27.2



#45
 2-Fluorobiphenyl
 Concen: 83.639 ng
 RT: 13.394 min Scan# 1754
 Delta R.T. -0.014 min
 Lab File: BG064945.D
 Acq: 11 Dec 2025 22:20

Tgt Ion:172 Resp: 358368
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.9 44.9
 170 24.3 19.8 29.6

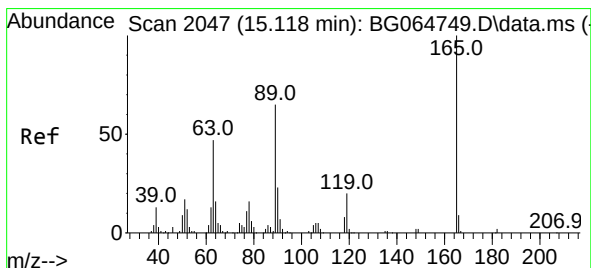
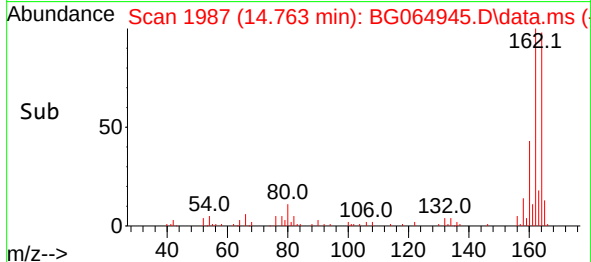
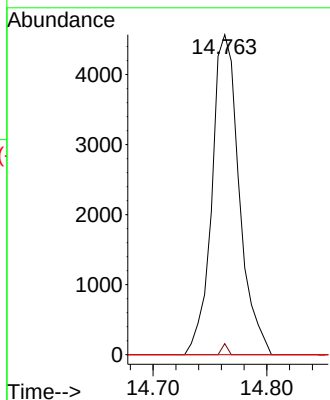
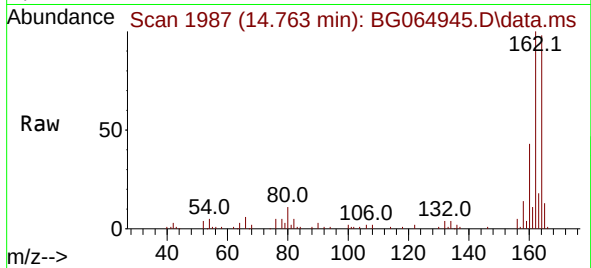




#51
2,6-Dinitrotoluene
Concen: 8.409 ng
RT: 14.763 min Scan# 1914
Delta R.T. 0.426 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20

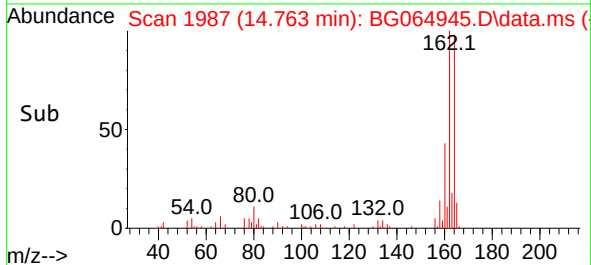
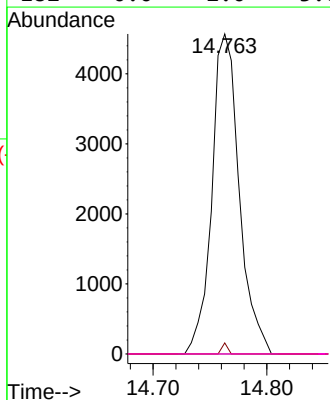
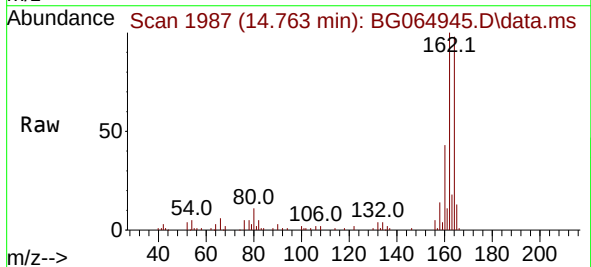
Instrument :
BNA_G
ClientSampleId :

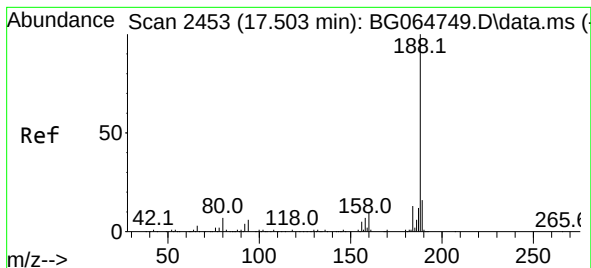
Tgt Ion:165 Resp: 7642
Ion Ratio Lower Upper
165 100
63 3.5 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.609 ng
RT: 14.763 min Scan# 1987
Delta R.T. -0.355 min
Lab File: BG064945.D
Acq: 11 Dec 2025 22:20

Tgt Ion:165 Resp: 7642
Ion Ratio Lower Upper
165 100
63 3.5 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# 24

Delta R.T. -0.008 min

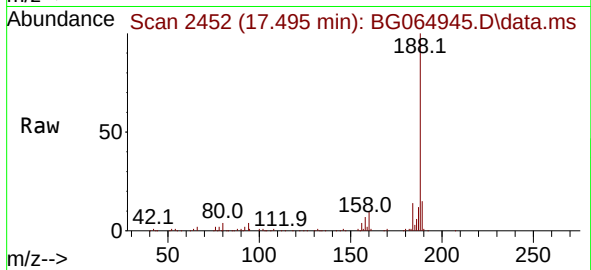
Lab File: BG064945.D

Acq: 11 Dec 2025 22:20

Instrument :

BNA_G

ClientSampleId :



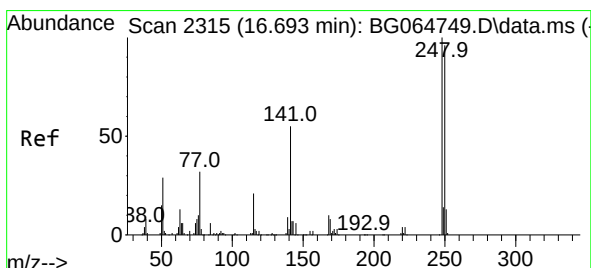
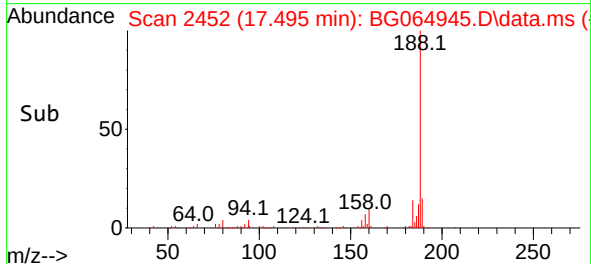
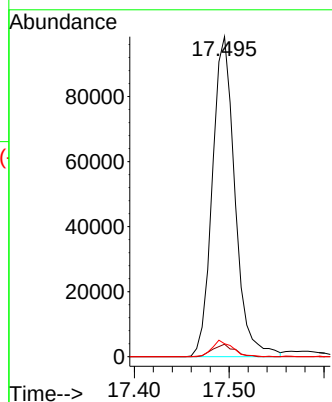
Tgt Ion:188 Resp: 162903

Ion Ratio Lower Upper

188 100

94 4.4 4.7 7.1#

80 4.1 5.4 8.2#



#67

4-Bromophenyl-phenylether

Concen: 5.576 ng

RT: 16.238 min Scan# 2238

Delta R.T. -0.455 min

Lab File: BG064945.D

Acq: 11 Dec 2025 22:20

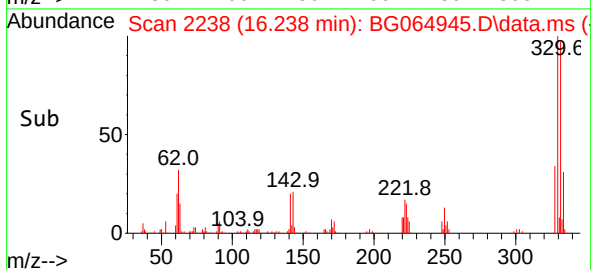
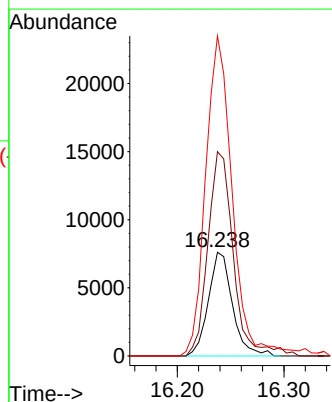
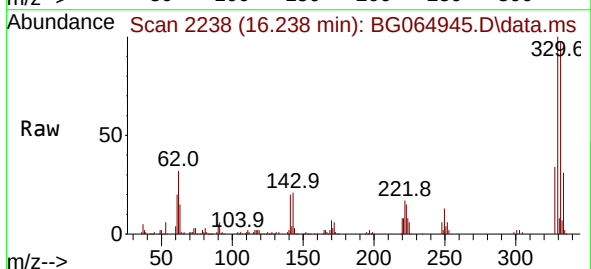
Tgt Ion:248 Resp: 11929

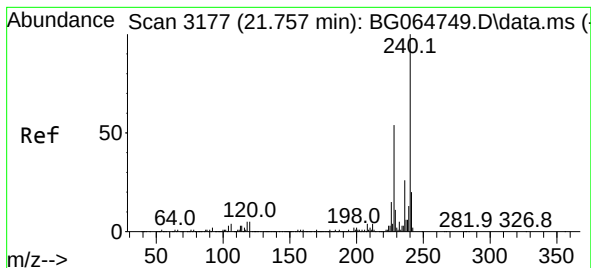
Ion Ratio Lower Upper

248 100

250 203.3 77.0 115.6#

141 240.1 43.7 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.743 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064945.D

Acq: 11 Dec 2025 22:20

Instrument :

BNA_G

ClientSampleId :

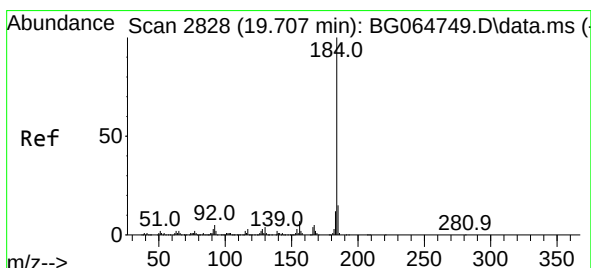
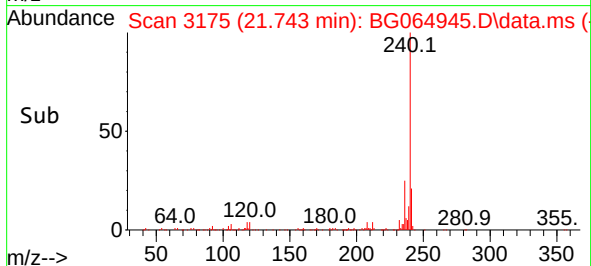
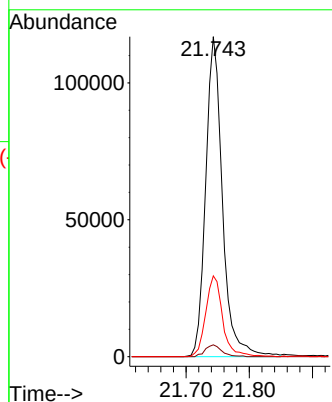
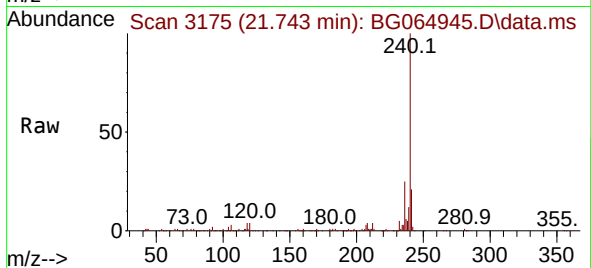
Tgt Ion:240 Resp: 214818

Ion Ratio Lower Upper

240 100

120 3.7 4.2 6.4#

236 25.2 20.8 31.2



#77

Benzidine

Concen: 2.397 ng

RT: 20.080 min Scan# 2892

Delta R.T. 0.374 min

Lab File: BG064945.D

Acq: 11 Dec 2025 22:20

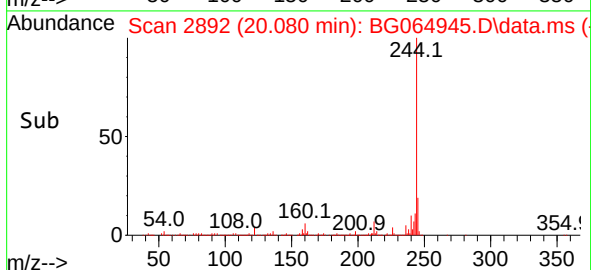
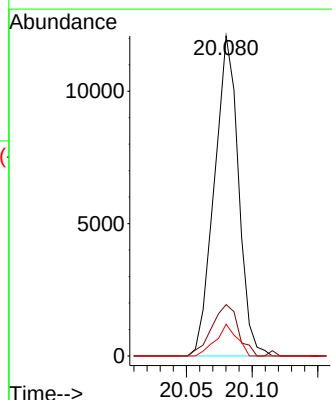
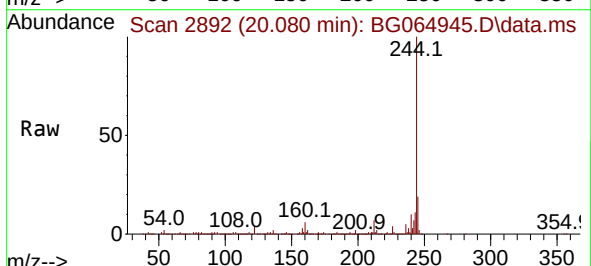
Tgt Ion:184 Resp: 15421

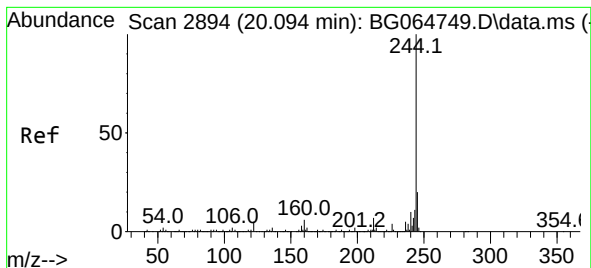
Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.6

183 9.9 9.8 14.6





#79

Terphenyl-d14

Concen: 101.490 ng

RT: 20.080 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG064945.D

Acq: 11 Dec 2025 22:20

Instrument :

BNA_G

ClientSampleId :

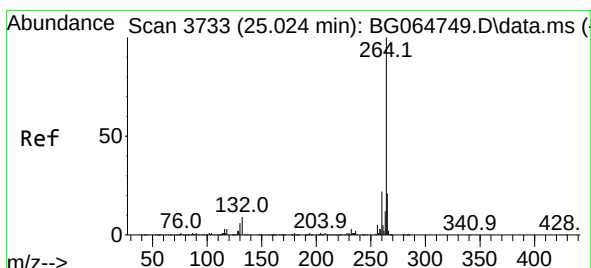
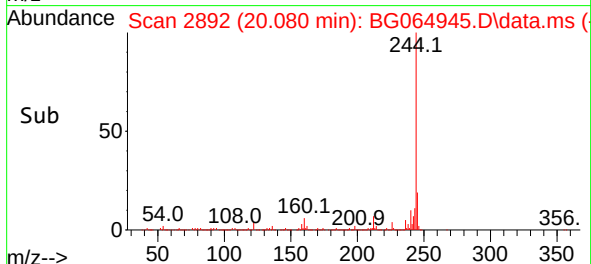
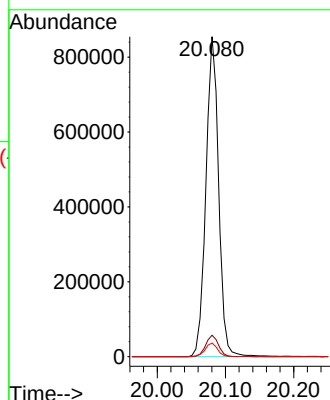
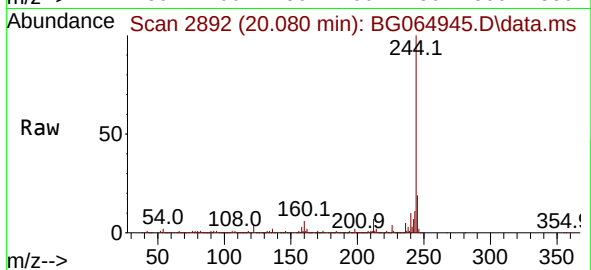
Tgt Ion:244 Resp: 1108334

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 4.3 4.3 6.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.998 min Scan# 3729

Delta R.T. -0.026 min

Lab File: BG064945.D

Acq: 11 Dec 2025 22:20

Tgt Ion:264 Resp: 236191

Ion Ratio Lower Upper

264 100

260 21.5 17.2 25.8

265 19.2 16.6 25.0

