

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064770.D
 Acq On : 14 Nov 2025 00:10
 Operator : RC/JU
 Sample : Q3609-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 14 05:05:52 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)

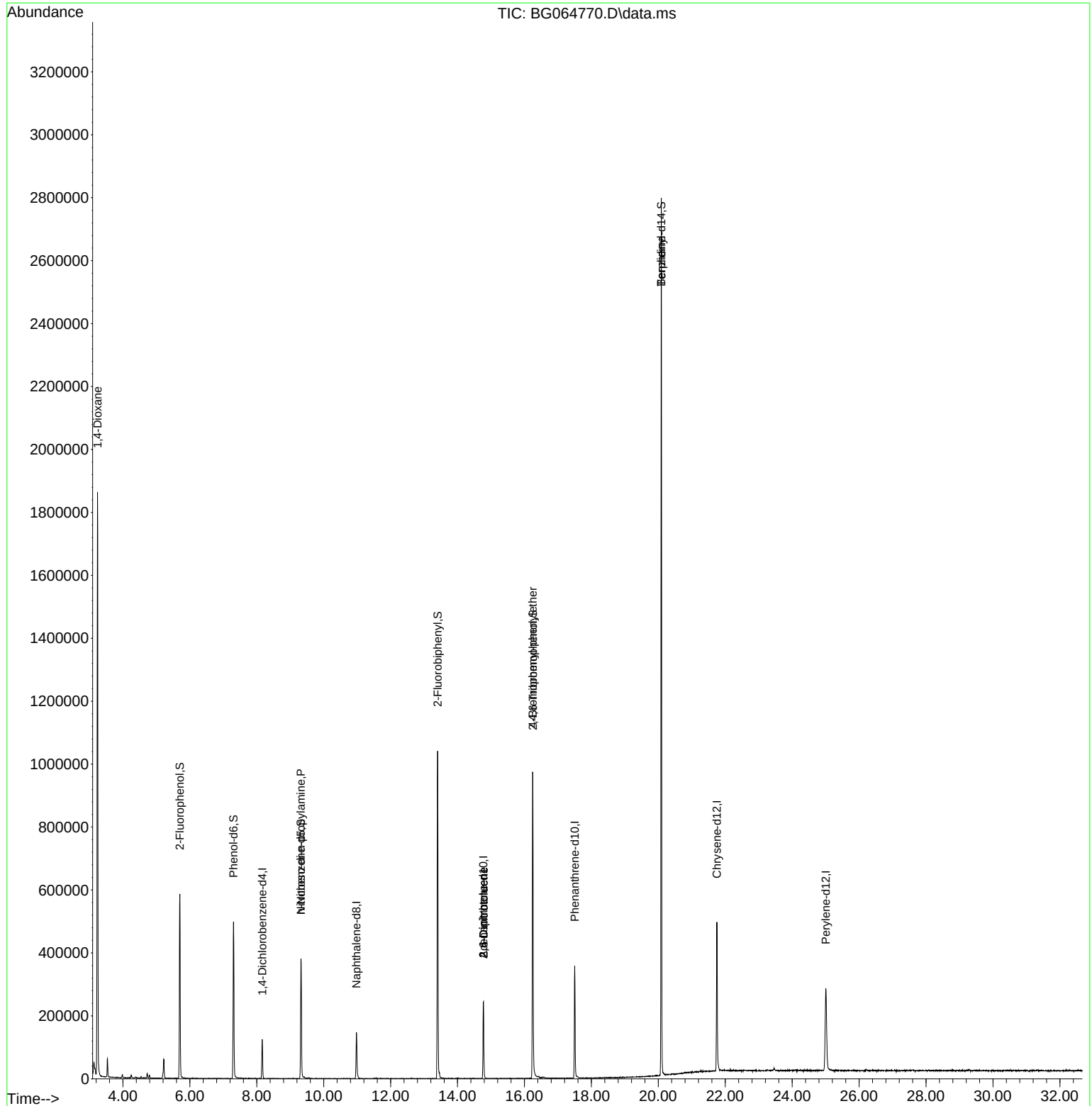
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	36644	20.000	ng	# 0.00
21) Naphthalene-d8	10.979	136	132909	20.000	ng	0.00
39) Acenaphthene-d10	14.769	164	102310	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	251165	20.000	ng	0.00
76) Chrysene-d12	21.749	240	343216	20.000	ng	0.00
86) Perylene-d12	25.004	264	346113	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	242829	115.717	ng	0.00
7) Phenol-d6	7.307	99	277486	99.419	ng	0.00
23) Nitrobenzene-d5	9.322	82	230174	85.626	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	254819	127.706	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	593906	80.999	ng	0.00
79) Terphenyl-d14	20.086	244	1578650	90.478	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.241	88	15049	18.524	ng	# 1
19) n-Nitroso-di-n-propyla...	9.322	70	31406	16.642	ng	# 65
51) 2,6-Dinitrotoluene	14.774	165	12897	8.293	ng	# 23
57) 2,4-Dinitrotoluene	14.774	165	12897	5.532	ng	# 26
67) 4-Bromophenyl-phenylether	16.243	248	16086	4.877	ng	# 1
77) Benzidine	20.086	184	22439	2.183	ng	# 94

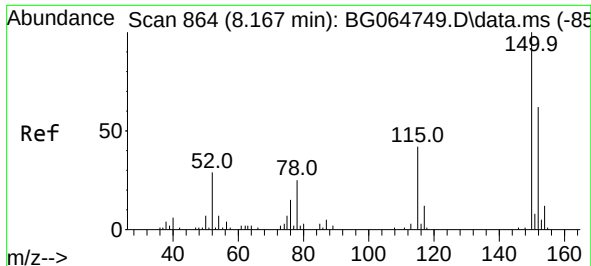
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
Data File : BG064770.D
Acq On : 14 Nov 2025 00:10
Operator : RC/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

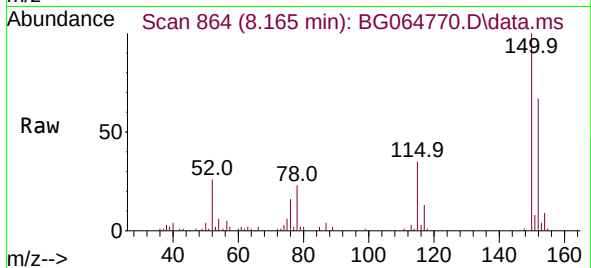
Quant Time: Nov 14 05:05:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



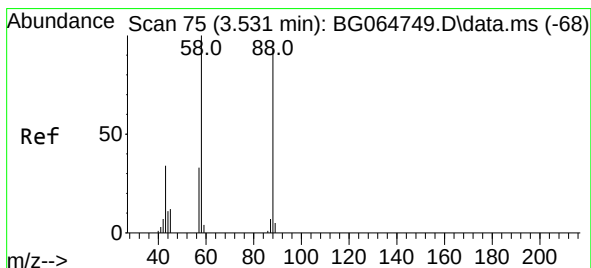
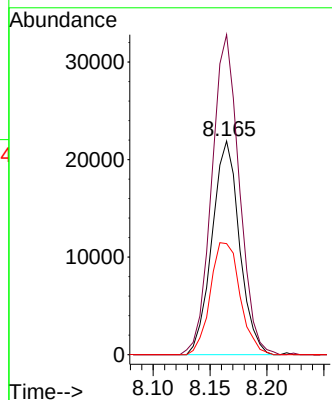
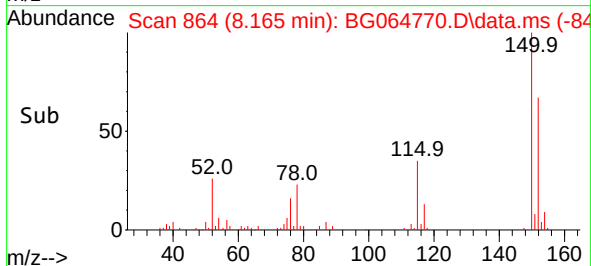


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064770.D
 Acq: 14 Nov 2025 00:10

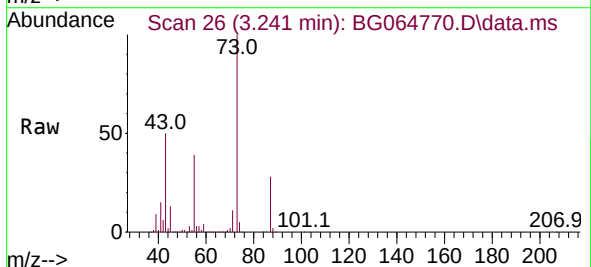
Instrument :
 BNA_G
 ClientSampleId :



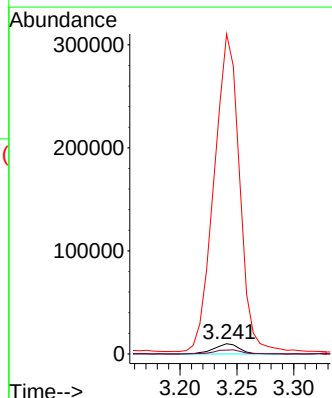
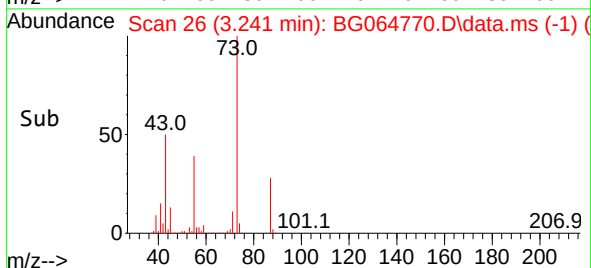
Tgt Ion:152 Resp: 36644
 Ion Ratio Lower Upper
 152 100
 150 149.9 129.2 193.8
 115 52.0 53.7 80.5#

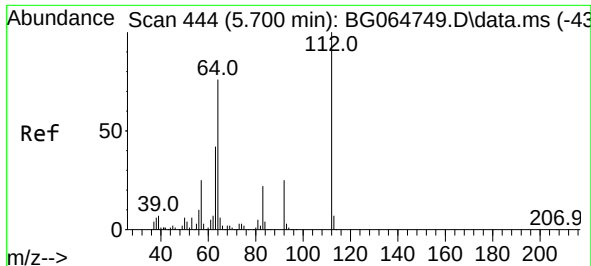


#2
 1,4-Dioxane
 Concen: 18.524 ng
 RT: 3.241 min Scan# 26
 Delta R.T. -0.291 min
 Lab File: BG064770.D
 Acq: 14 Nov 2025 00:10



Tgt Ion: 88 Resp: 15049
 Ion Ratio Lower Upper
 88 100
 58 45.1 84.6 126.8#
 43 3208.2 30.0 45.0#

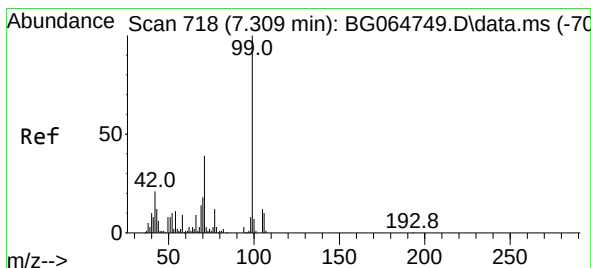
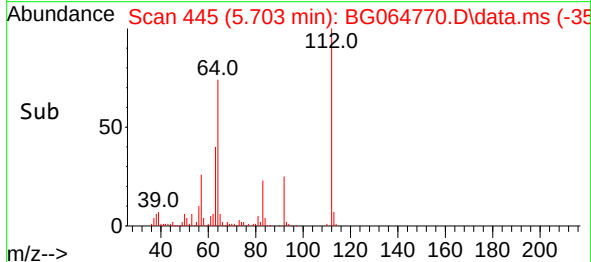
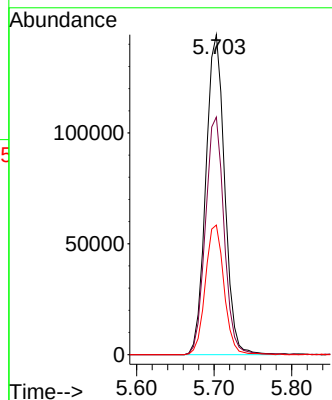
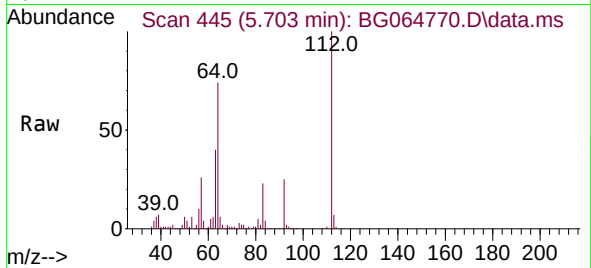




#5
2-Fluorophenol
Concen: 115.717 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.003 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

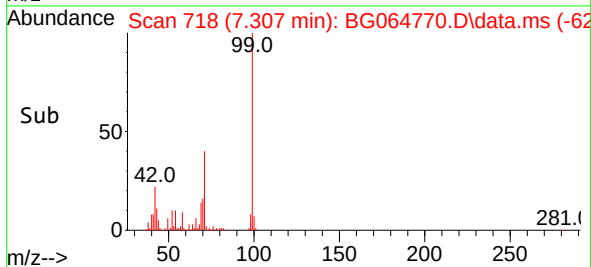
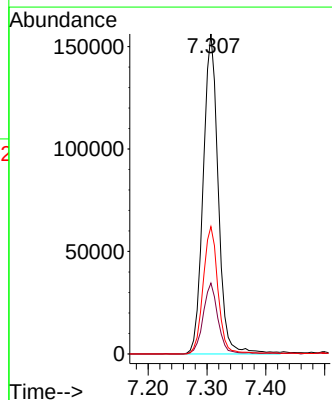
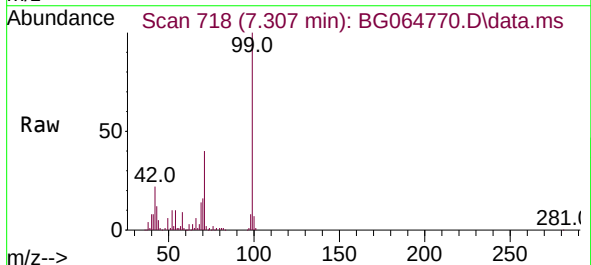
Instrument :
BNA_G
ClientSampleId :

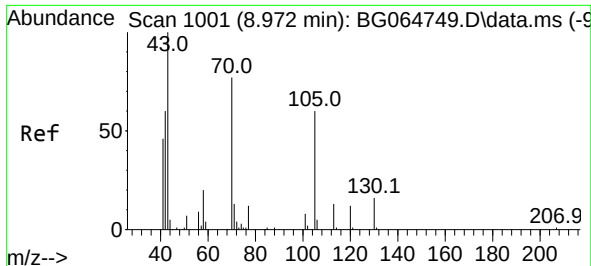
Tgt Ion:112 Resp: 242829
Ion Ratio Lower Upper
112 100
64 74.2 61.0 91.4
63 40.5 33.3 49.9



#7
Phenol-d6
Concen: 99.419 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

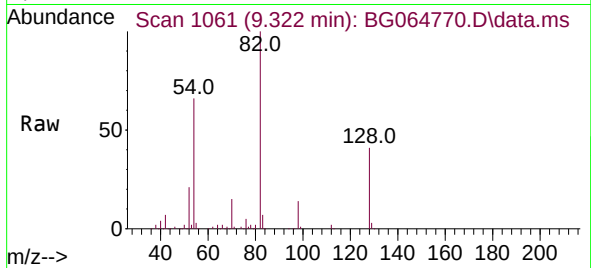
Tgt Ion: 99 Resp: 277486
Ion Ratio Lower Upper
99 100
42 22.1 16.8 25.2
71 39.8 31.1 46.7



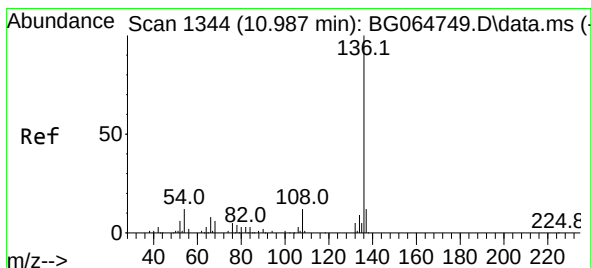
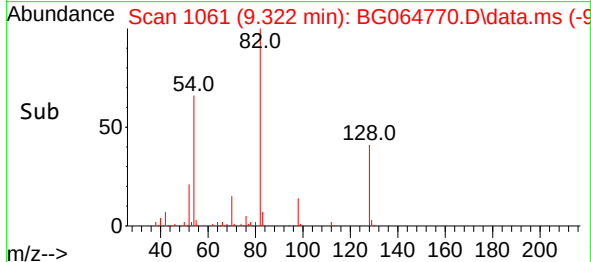
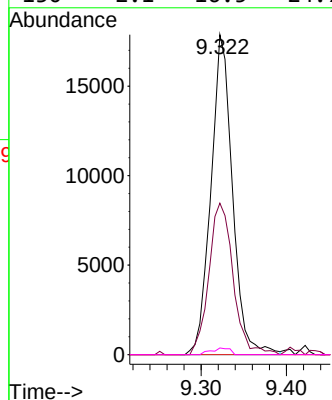


#19
n-Nitroso-di-n-propylamine
Concen: 16.642 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.350 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

Instrument :
BNA_G
ClientSampleId :

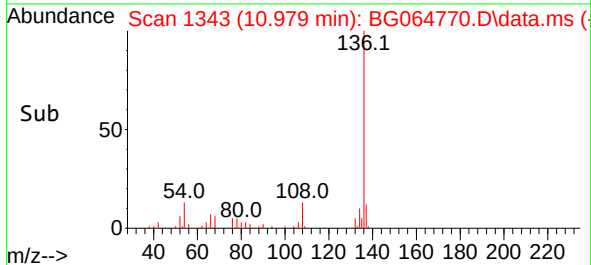
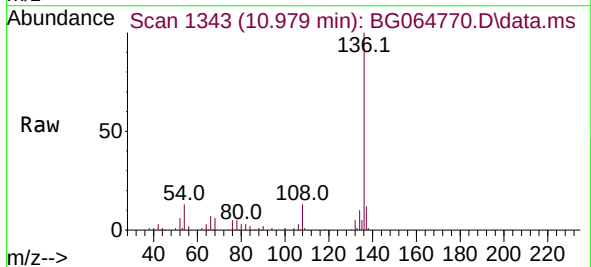
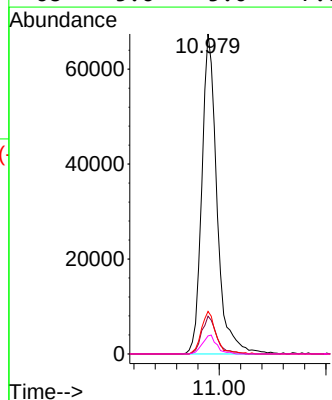


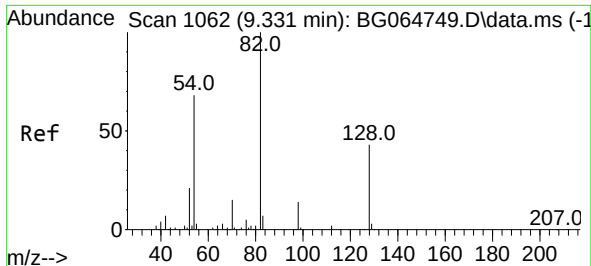
Tgt Ion: 70	Resp: 31406
Ion Ratio	Lower Upper
70 100	
42 47.3	62.6 93.8#
101 0.0	8.0 12.0#
130 2.1	16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

Tgt Ion: 136	Resp: 132909
Ion Ratio	Lower Upper
136 100	
137 11.8	9.3 13.9
54 13.3	9.3 13.9
68 5.6	5.0 7.6





#23

Nitrobenzene-d5

Concen: 85.626 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.009 min

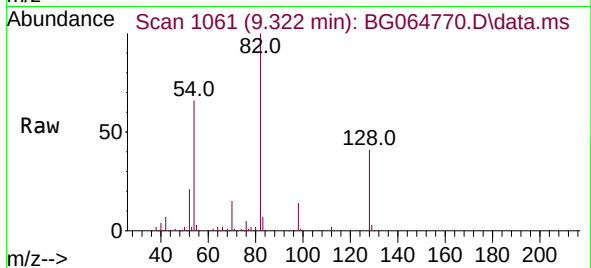
Lab File: BG064770.D

Acq: 14 Nov 2025 00:10

Instrument :

BNA_G

ClientSampleId :



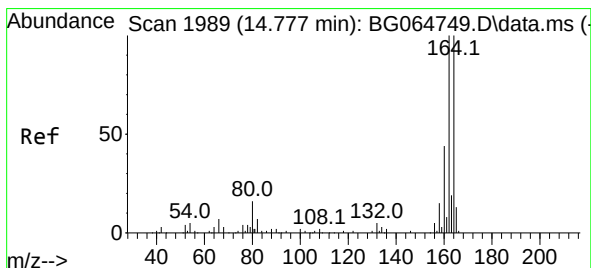
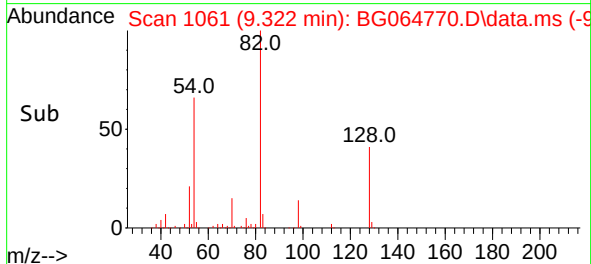
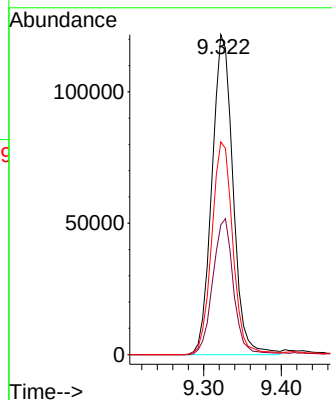
Tgt Ion: 82 Resp: 230174

Ion Ratio Lower Upper

82 100

128 40.6 34.1 51.1

54 66.5 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: BG064770.D

Acq: 14 Nov 2025 00:10

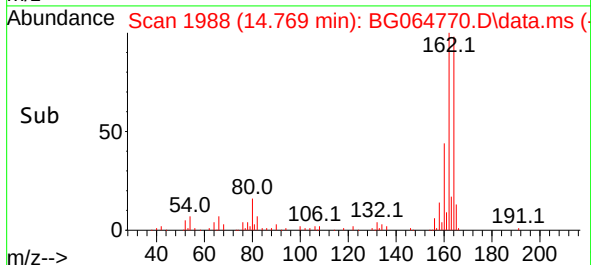
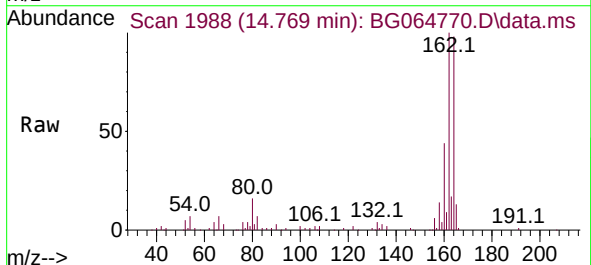
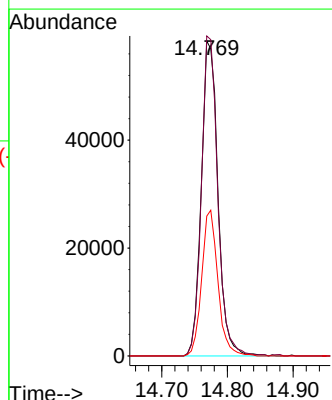
Tgt Ion: 164 Resp: 102310

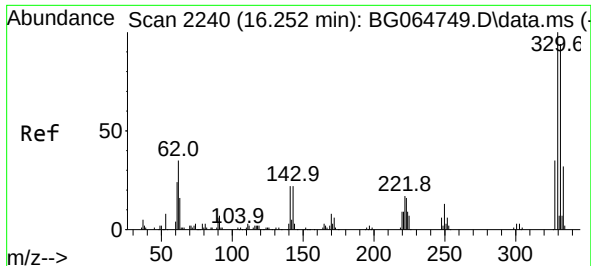
Ion Ratio Lower Upper

164 100

162 101.6 79.8 119.6

160 44.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 127.706 ng

RT: 16.249 min Scan# 21

Delta R.T. -0.003 min

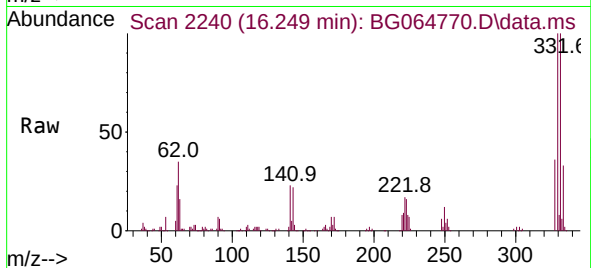
Lab File: BG064770.D

Acq: 14 Nov 2025 00:10

Instrument :

BNA_G

ClientSampleId :



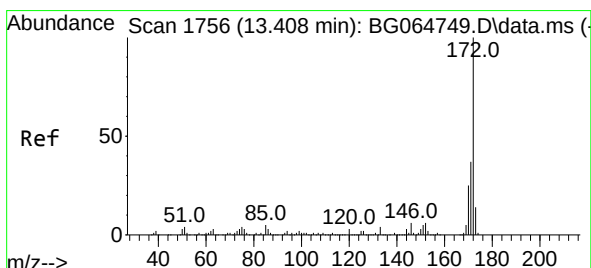
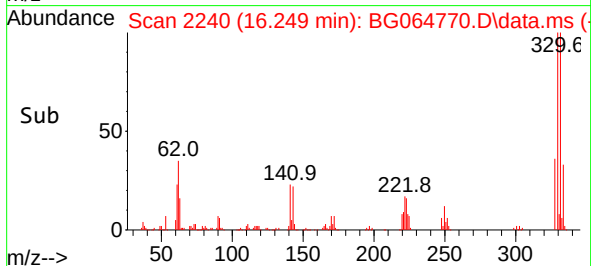
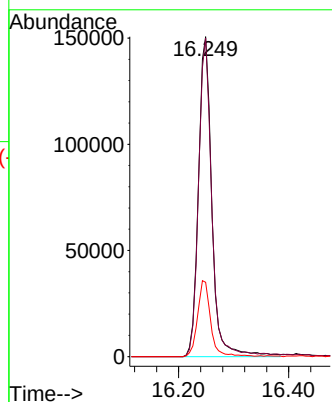
Tgt Ion:330 Resp: 254819

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

141 23.2 18.2 27.2



#45

2-Fluorobiphenyl

Concen: 80.999 ng

RT: 13.405 min Scan# 1756

Delta R.T. -0.003 min

Lab File: BG064770.D

Acq: 14 Nov 2025 00:10

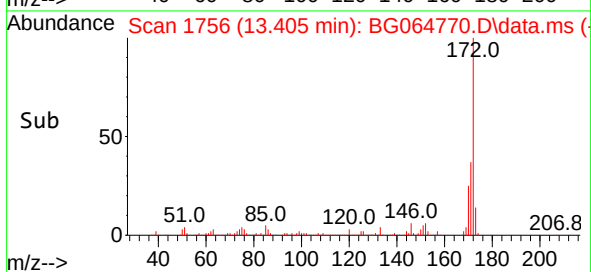
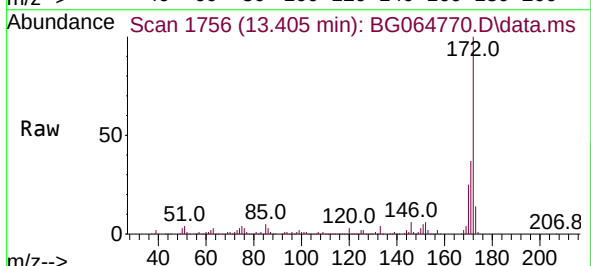
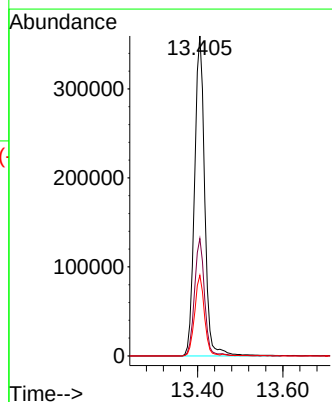
Tgt Ion:172 Resp: 593906

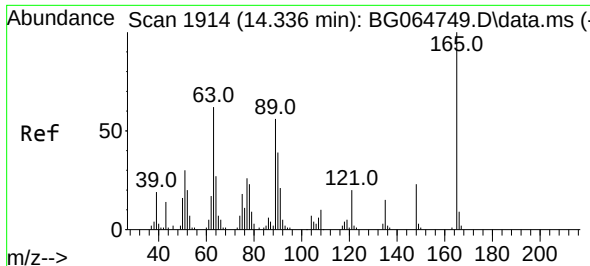
Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

170 25.2 19.8 29.6

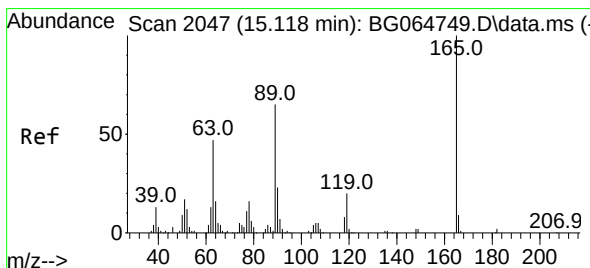
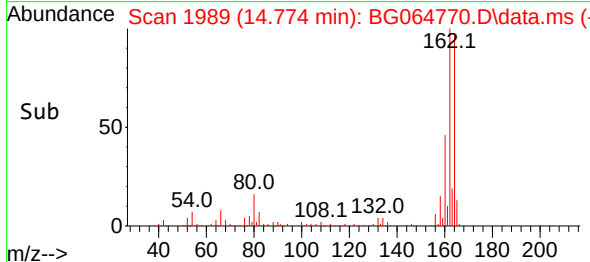
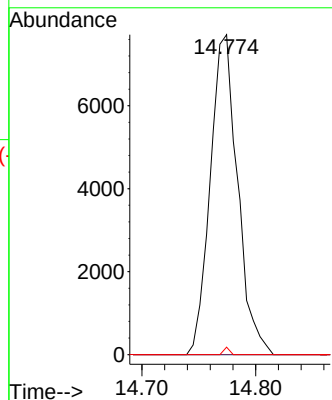
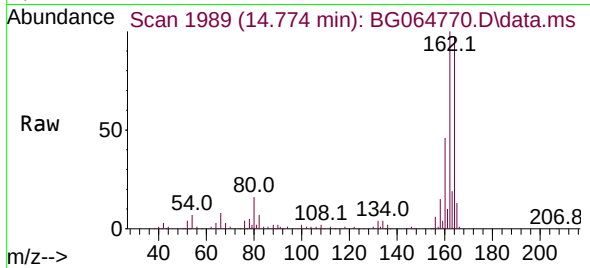




#51
2,6-Dinitrotoluene
Concen: 8.293 ng
RT: 14.774 min Scan# 1914
Delta R.T. 0.438 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

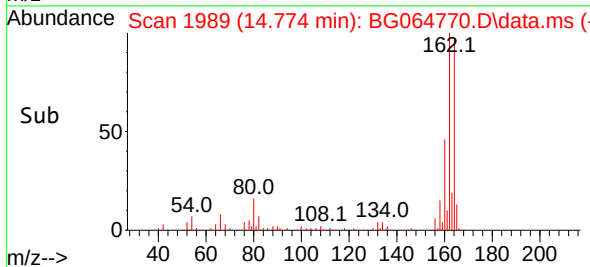
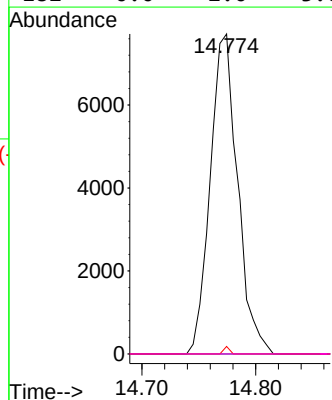
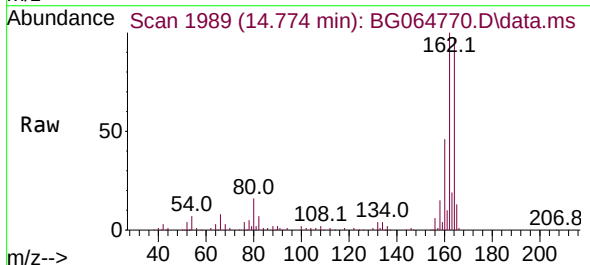
Instrument :
BNA_G
ClientSampleId :

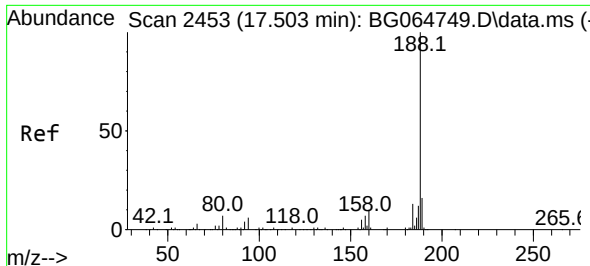
Tgt Ion:165 Resp: 12897
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 2.3 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.532 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.343 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

Tgt Ion:165 Resp: 12897
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 2.3 51.6 77.4#
182 0.0 2.0 3.0#

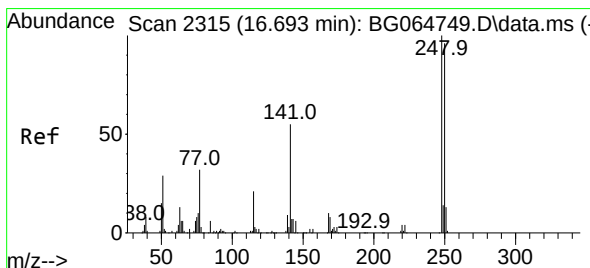
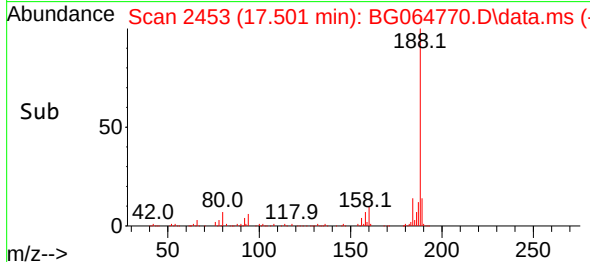
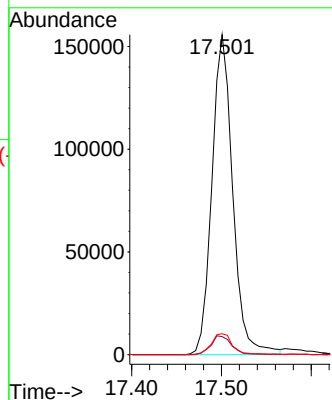
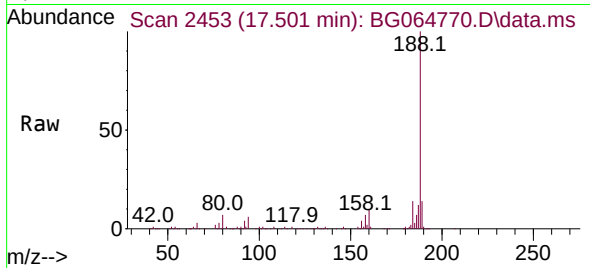




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

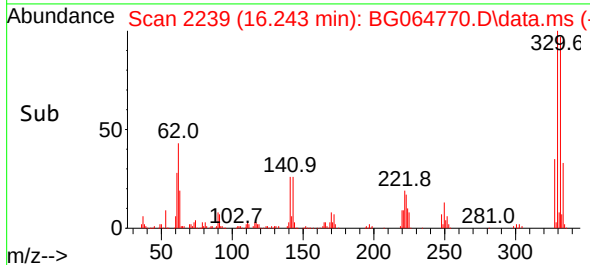
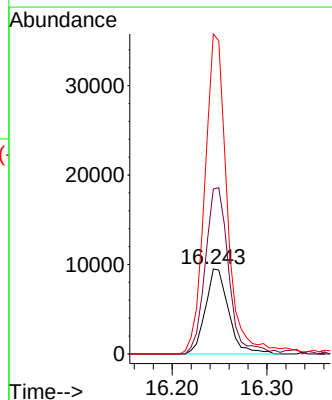
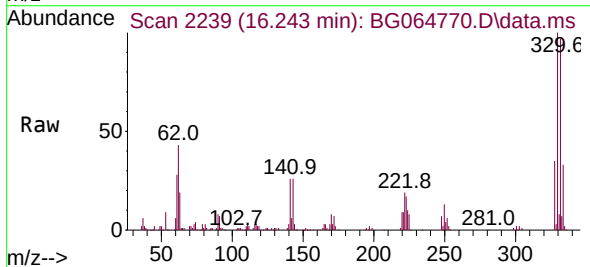
Instrument :
BNA_G
ClientSampleId :

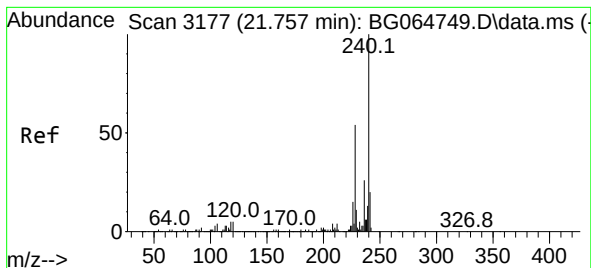
Tgt Ion:188 Resp: 251165
Ion Ratio Lower Upper
188 100
94 5.6 4.7 7.1
80 6.5 5.4 8.2



#67
4-Bromophenyl-phenylether
Concen: 4.877 ng
RT: 16.243 min Scan# 2239
Delta R.T. -0.449 min
Lab File: BG064770.D
Acq: 14 Nov 2025 00:10

Tgt Ion:248 Resp: 16086
Ion Ratio Lower Upper
248 100
250 249.7 77.0 115.6#
141 377.3 43.7 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.749 min Scan# 3176

Delta R.T. -0.009 min

Lab File: BG064770.D

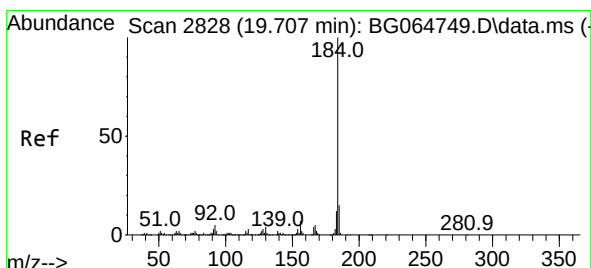
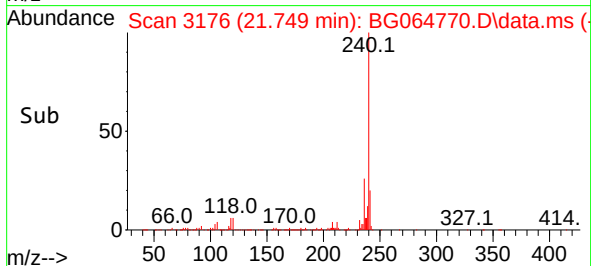
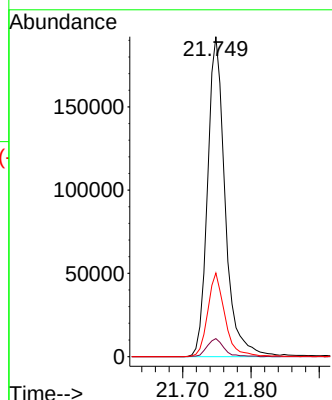
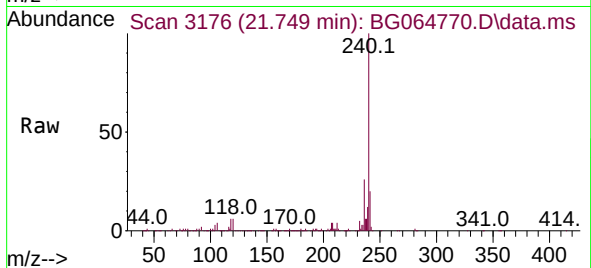
Acq: 14 Nov 2025 00:10

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:240	Resp:	343216
Ion Ratio	Lower	Upper
240	100	
120	5.7	4.2 6.4
236	26.1	20.8 31.2



#77

Benzidine

Concen: 2.183 ng

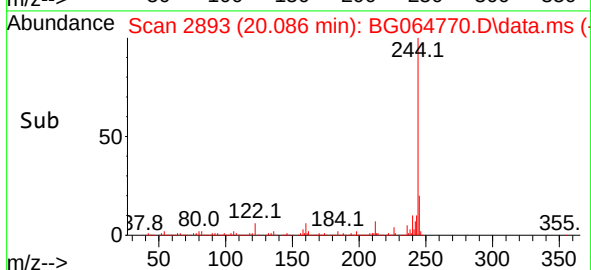
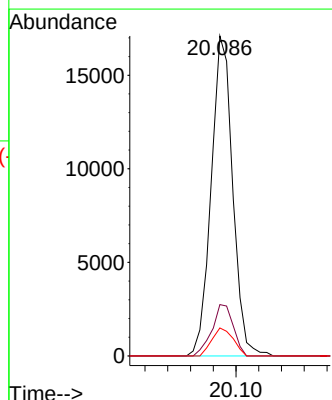
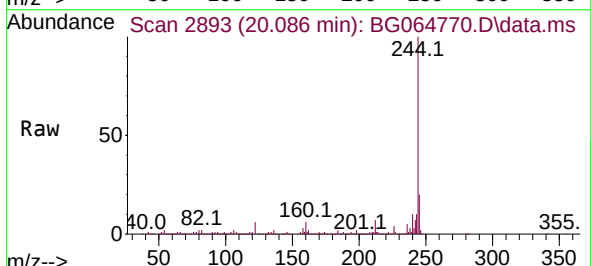
RT: 20.086 min Scan# 2893

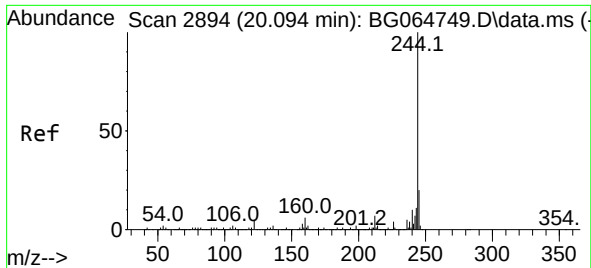
Delta R.T. 0.379 min

Lab File: BG064770.D

Acq: 14 Nov 2025 00:10

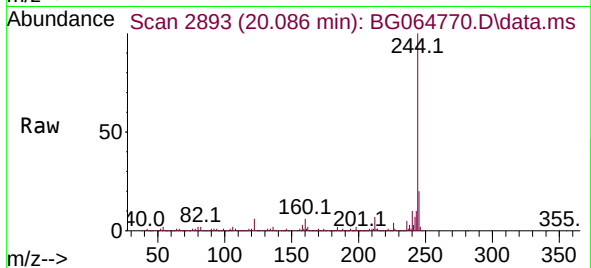
Tgt Ion:184	Resp:	22439
Ion Ratio	Lower	Upper
184	100	
185	16.0	11.8 17.6
183	8.7	9.8 14.6





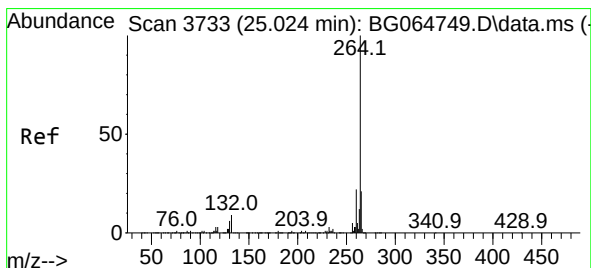
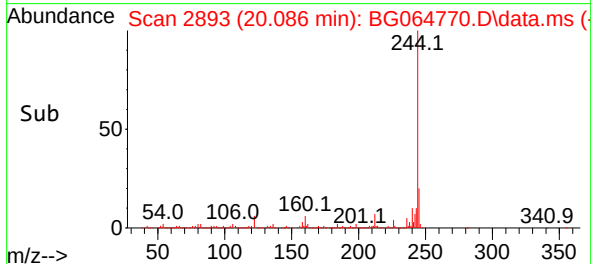
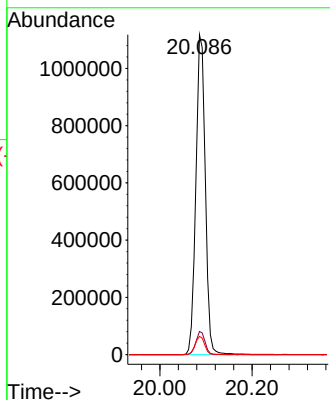
#79
 Terphenyl-d14
 Concen: 90.478 ng
 RT: 20.086 min Scan# 2893
 Delta R.T. -0.009 min
 Lab File: BG064770.D
 Acq: 14 Nov 2025 00:10

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:244 Resp: 1578650

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	5.7	4.3	6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.004 min Scan# 3730
 Delta R.T. -0.020 min
 Lab File: BG064770.D
 Acq: 14 Nov 2025 00:10

Tgt Ion:264 Resp: 346113

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.2	25.8
265	22.3	16.6	25.0

