

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064772.D
 Acq On : 14 Nov 2025 1:33
 Operator : RC/JU
 Sample : Q3609-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-05

Quant Time: Nov 14 05:06:34 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)

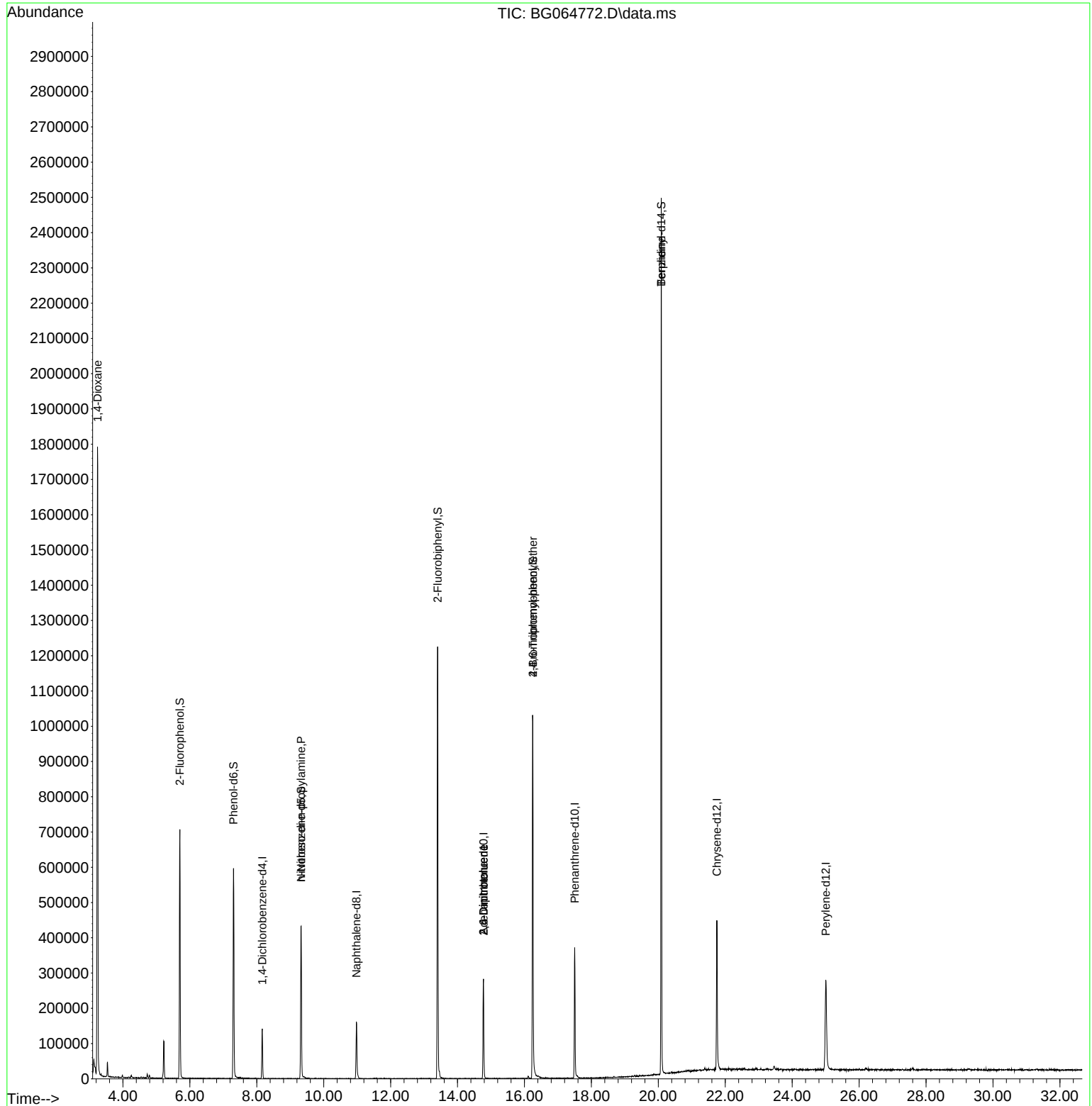
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	39592	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	147996	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	115975	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	263984	20.000	ng	0.00
76) Chrysene-d12	21.749	240	318904	20.000	ng	0.00
86) Perylene-d12	25.004	264	332340	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	283054	124.842	ng	0.00
7) Phenol-d6	7.307	99	333653	110.642	ng	0.00
23) Nitrobenzene-d5	9.328	82	260733	87.106	ng	0.00
42) 2,4,6-Tribromophenol	16.250	330	275255	121.694	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	698921	84.090	ng	0.00
79) Terphenyl-d14	20.086	244	1401967	86.477	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	15955	18.177	ng	# 1
19) n-Nitroso-di-n-propyla...	9.328	70	34129	16.738	ng	# 69
51) 2,6-Dinitrotoluene	14.775	165	15120	8.577	ng	# 21
57) 2,4-Dinitrotoluene	14.775	165	15120	5.721	ng	# 24
67) 4-Bromophenyl-phenylether	16.250	248	16133	4.654	ng	# 1
77) Benzidine	20.086	184	19547	2.047	ng	# 94

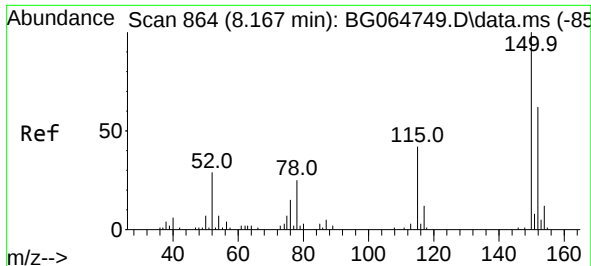
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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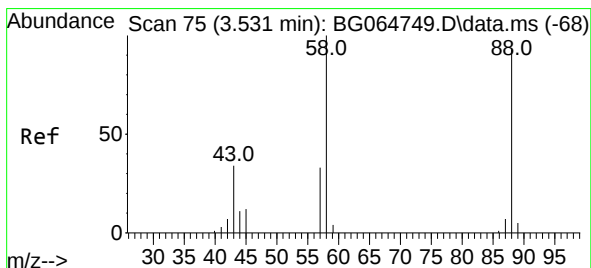
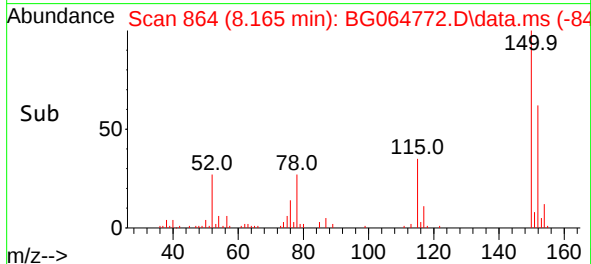
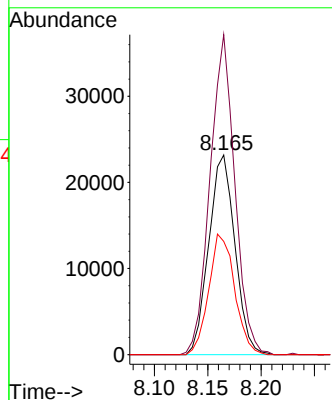
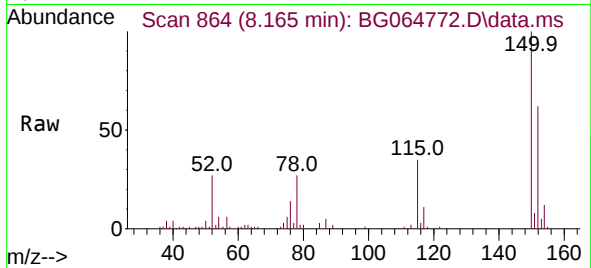




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064772.D
 Acq: 14 Nov 2025 1:33

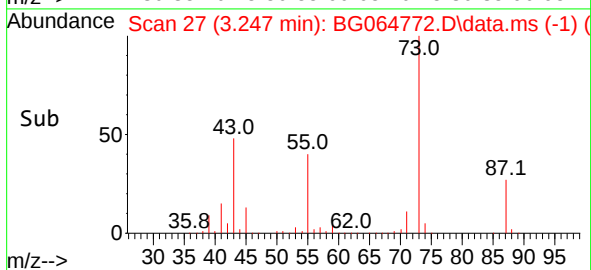
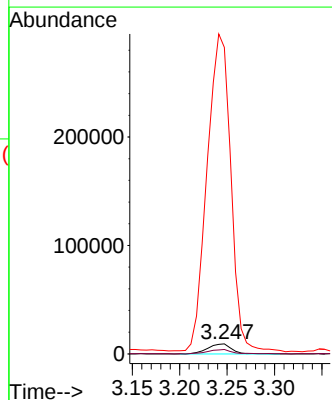
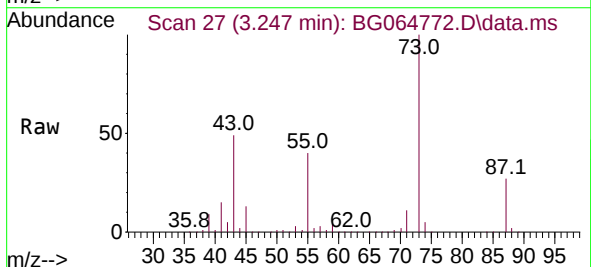
Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-05

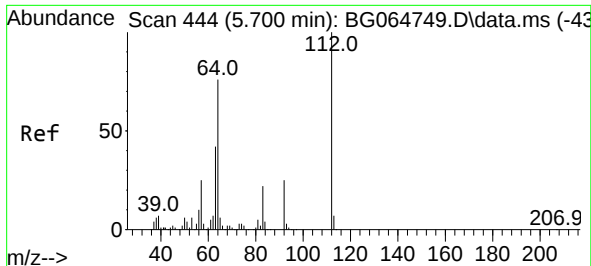
Tgt Ion:152 Resp: 39592
 Ion Ratio Lower Upper
 152 100
 150 160.4 129.2 193.8
 115 56.7 53.7 80.5



#2
 1,4-Dioxane
 Concen: 18.177 ng
 RT: 3.247 min Scan# 27
 Delta R.T. -0.284 min
 Lab File: BG064772.D
 Acq: 14 Nov 2025 1:33

Tgt Ion: 88 Resp: 15955
 Ion Ratio Lower Upper
 88 100
 58 45.2 84.6 126.8#
 43 3188.9 30.0 45.0#

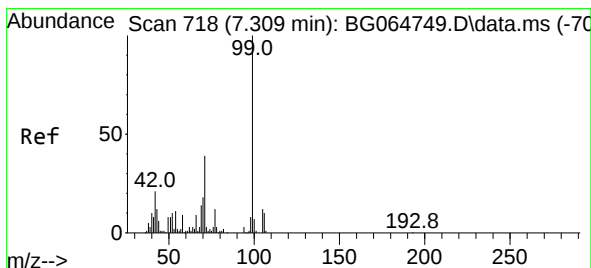
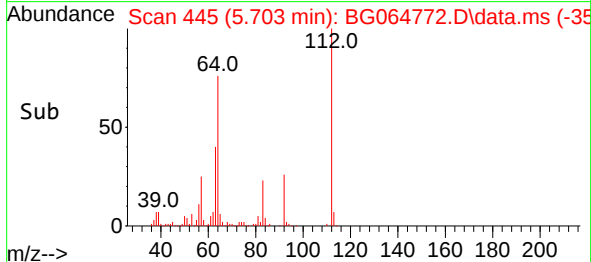
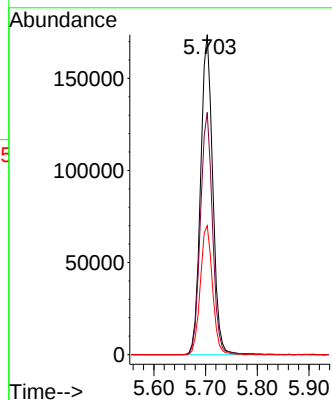
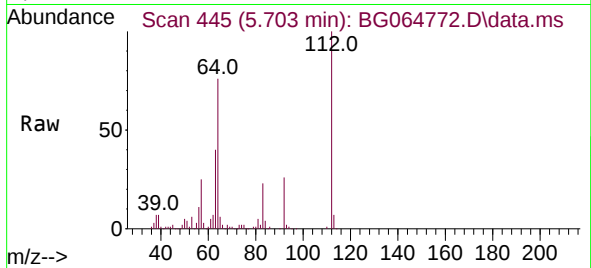




#5
2-Fluorophenol
Concen: 124.842 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.004 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

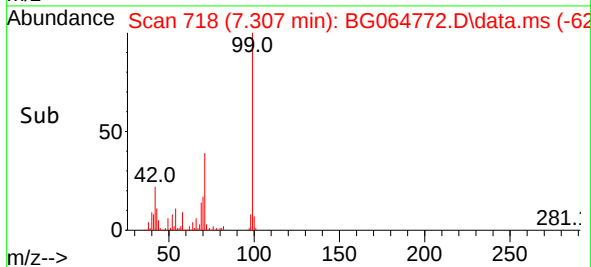
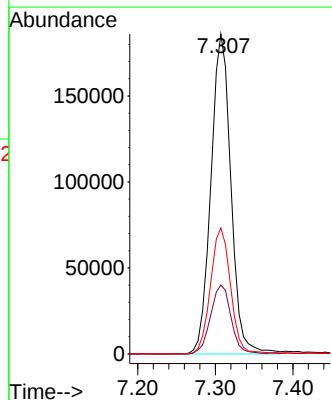
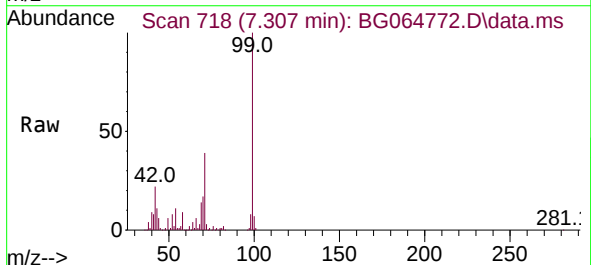
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-05

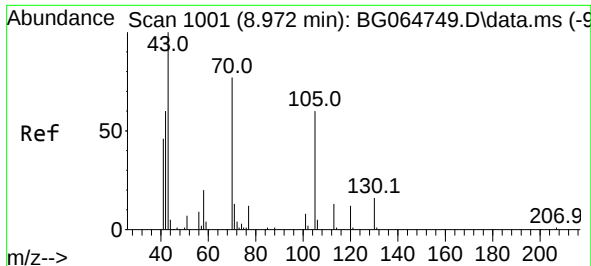
Tgt Ion:112 Resp: 283054
Ion Ratio Lower Upper
112 100
64 75.7 61.0 91.4
63 40.3 33.3 49.9



#7
Phenol-d6
Concen: 110.642 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

Tgt Ion: 99 Resp: 333653
Ion Ratio Lower Upper
99 100
42 21.5 16.8 25.2
71 39.3 31.1 46.7

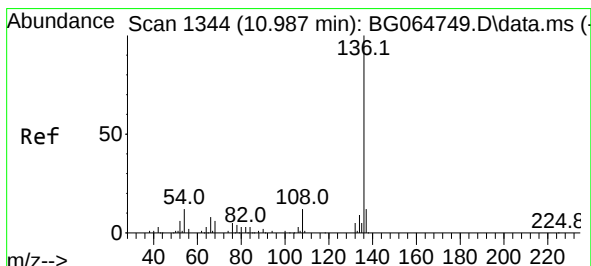
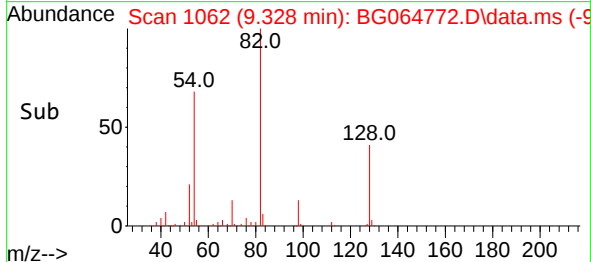
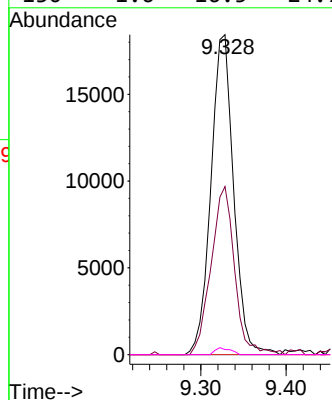
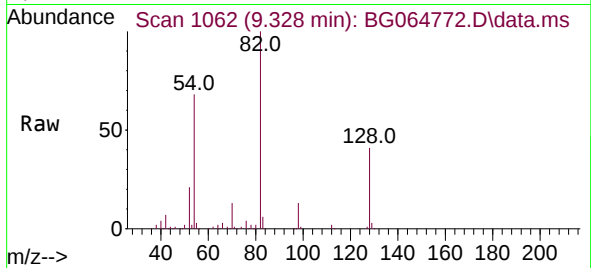




#19
n-Nitroso-di-n-propylamine
Concen: 16.738 ng
RT: 9.328 min Scan# 10
Delta R.T. 0.356 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

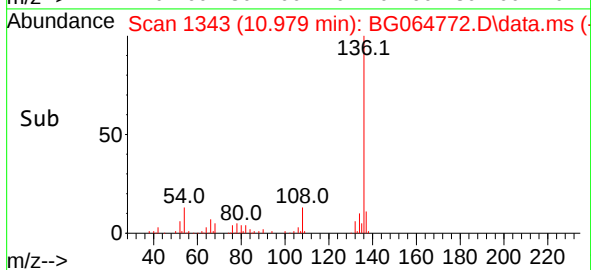
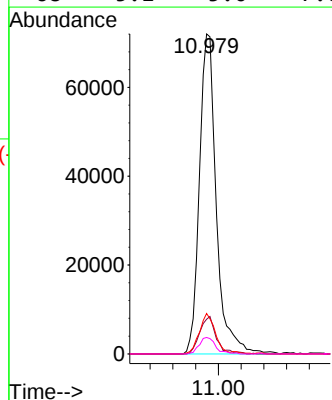
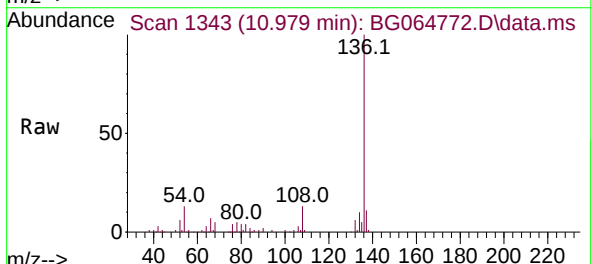
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-05

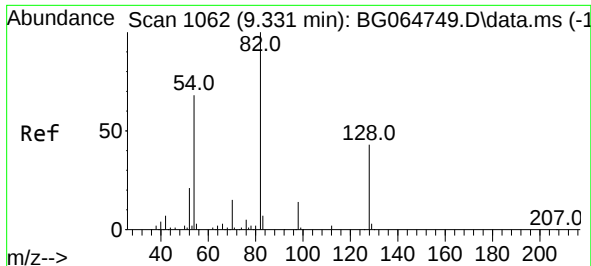
Tgt Ion: 70	Resp:	34129
Ion Ratio	Lower	Upper
70	100	
42	52.5	62.6 93.8#
101	0.0	8.0 12.0#
130	1.6	16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

Tgt Ion: 136	Resp:	147996
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.3 13.9
54	12.6	9.3 13.9
68	5.1	5.0 7.6





#23

Nitrobenzene-d5

Concen: 87.106 ng

RT: 9.328 min Scan# 1062

Delta R.T. -0.002 min

Lab File: BG064772.D

Acq: 14 Nov 2025 1:33

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-05

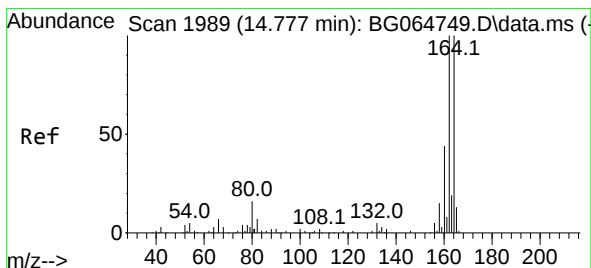
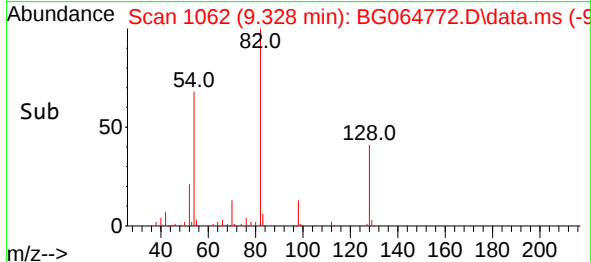
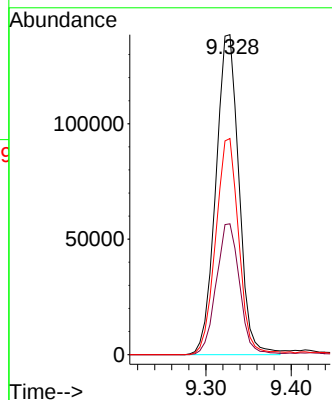
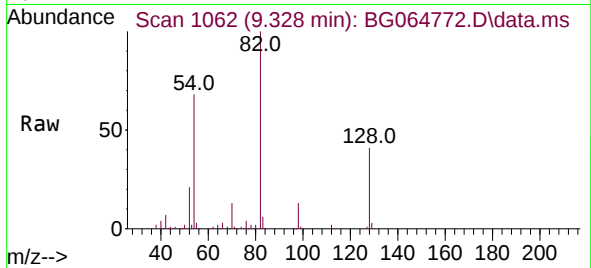
Tgt Ion: 82 Resp: 260733

Ion Ratio Lower Upper

82 100

128 40.9 34.1 51.1

54 67.5 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.775 min Scan# 1989

Delta R.T. -0.002 min

Lab File: BG064772.D

Acq: 14 Nov 2025 1:33

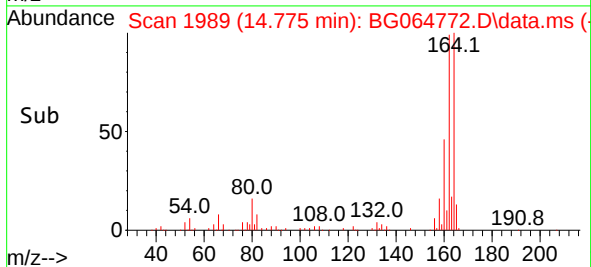
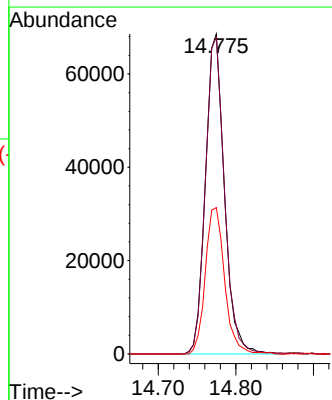
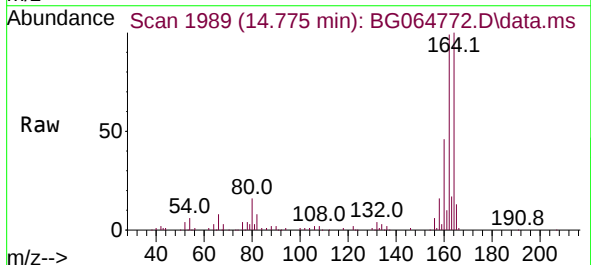
Tgt Ion: 164 Resp: 115975

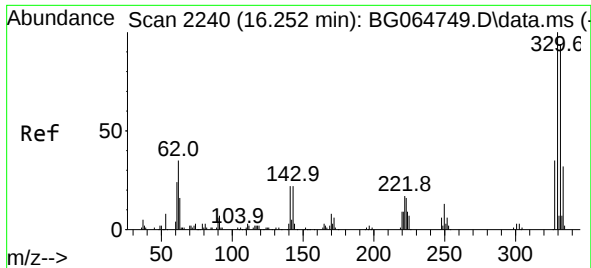
Ion Ratio Lower Upper

164 100

162 98.9 79.8 119.6

160 45.7 34.9 52.3

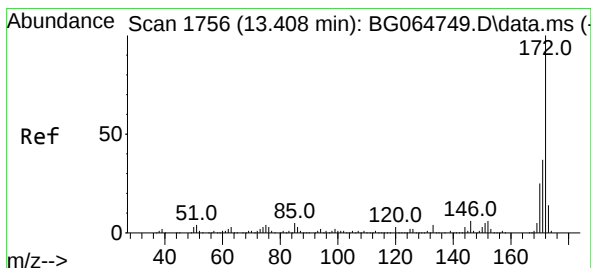
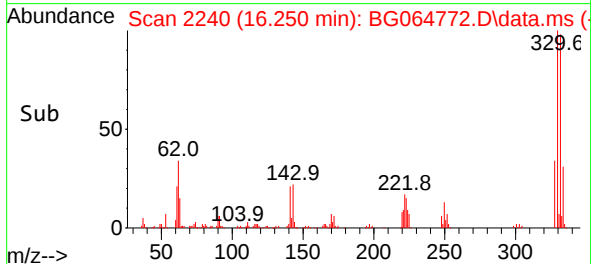
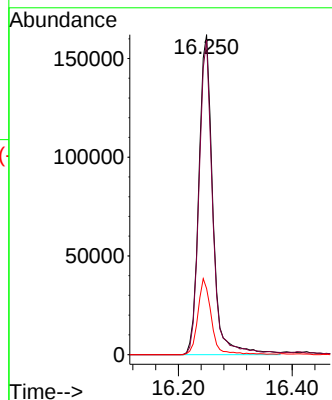
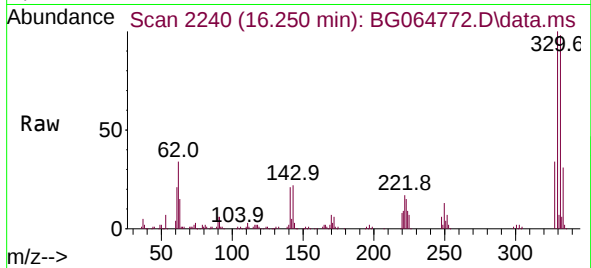




#42
 2,4,6-Tribromophenol
 Concen: 121.694 ng
 RT: 16.250 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG064772.D
 Acq: 14 Nov 2025 1:33

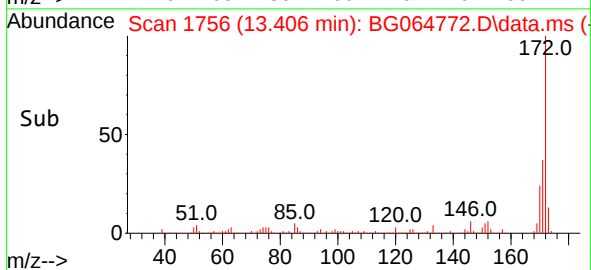
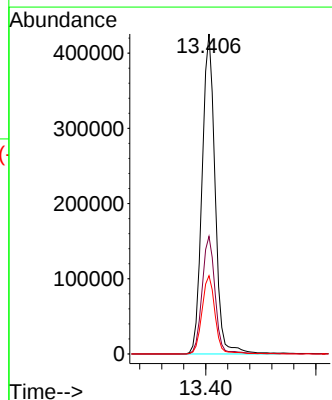
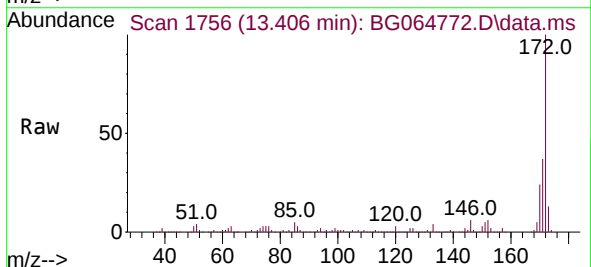
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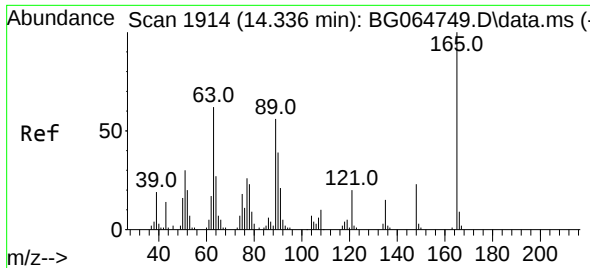
Tgt Ion:330 Resp: 275255
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 22.8 18.2 27.2



#45
 2-Fluorobiphenyl
 Concen: 84.090 ng
 RT: 13.406 min Scan# 1756
 Delta R.T. -0.002 min
 Lab File: BG064772.D
 Acq: 14 Nov 2025 1:33

Tgt Ion:172 Resp: 698921
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 24.4 19.8 29.6

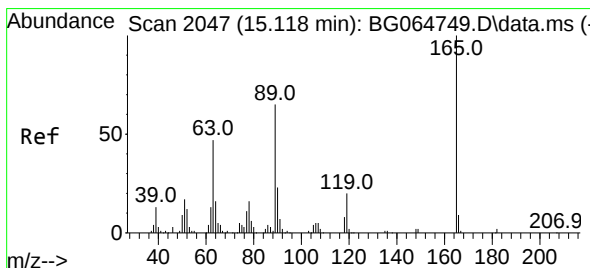
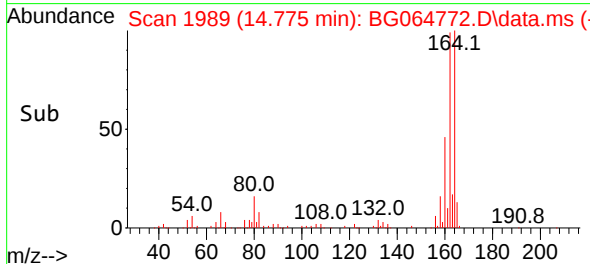
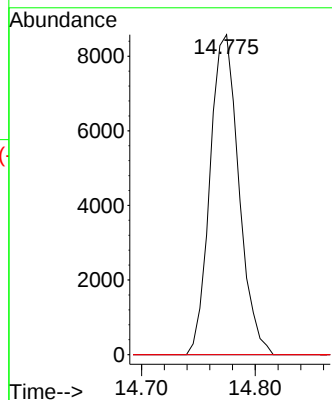
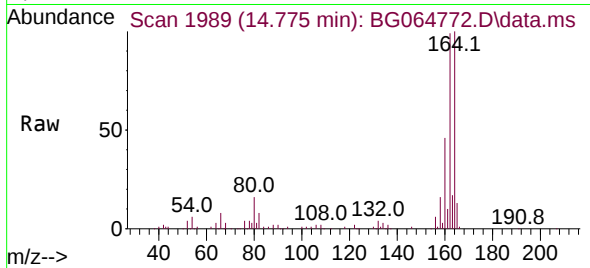




#51
2,6-Dinitrotoluene
Concen: 8.577 ng
RT: 14.775 min Scan# 1914
Delta R.T. 0.438 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

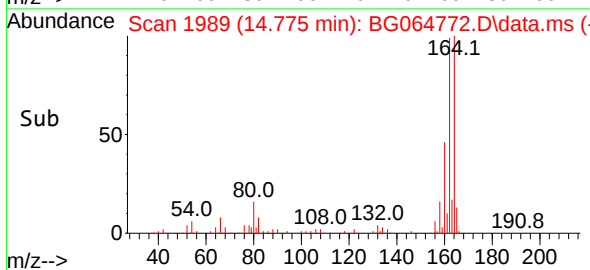
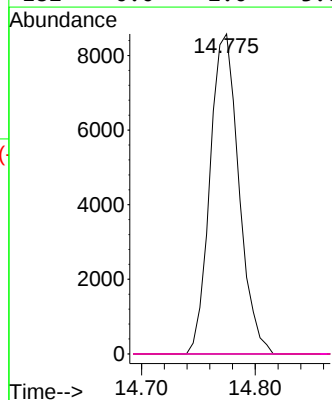
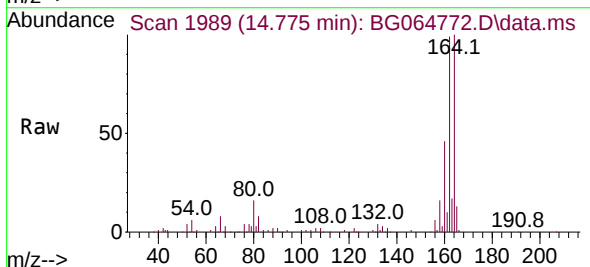
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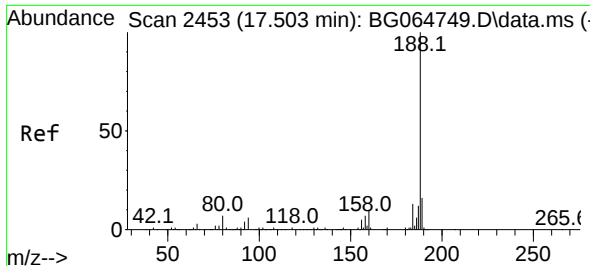
Tgt Ion:165 Resp: 15120
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 14.775 min Scan# 1989
Delta R.T. -0.343 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

Tgt Ion:165 Resp: 15120
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#

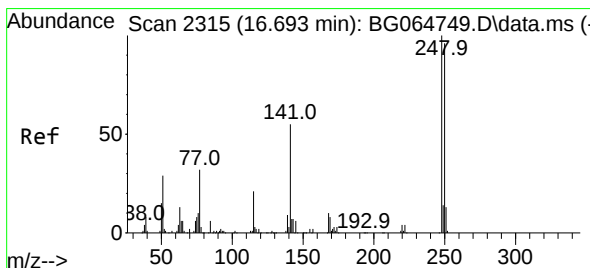
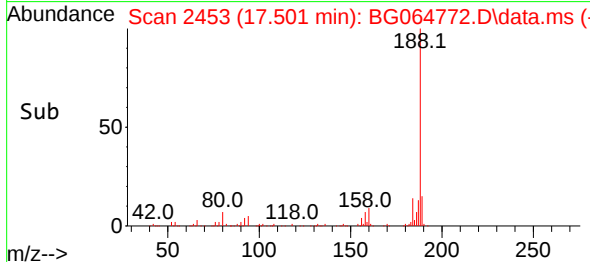
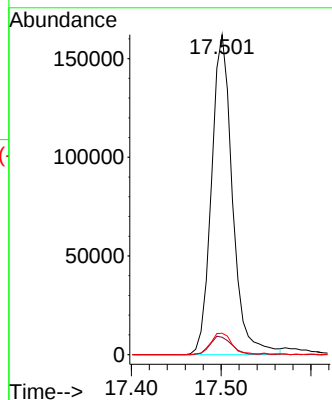
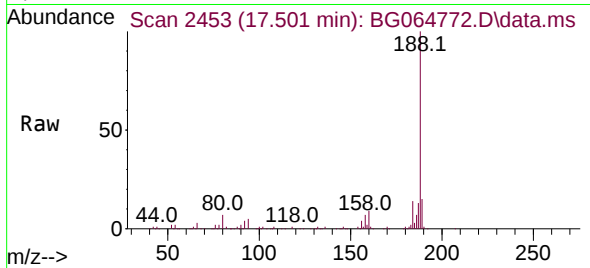




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.002 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

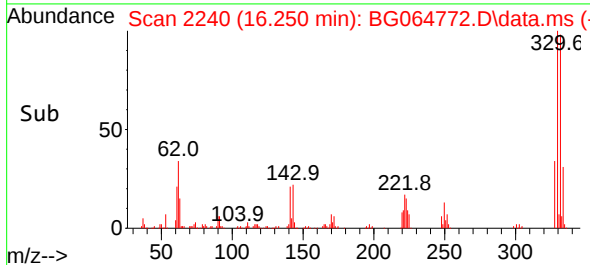
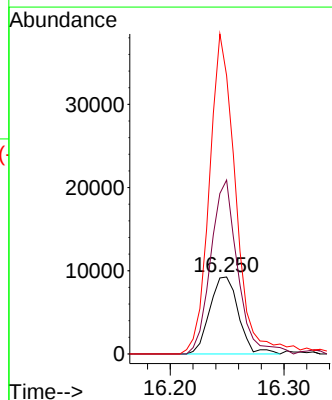
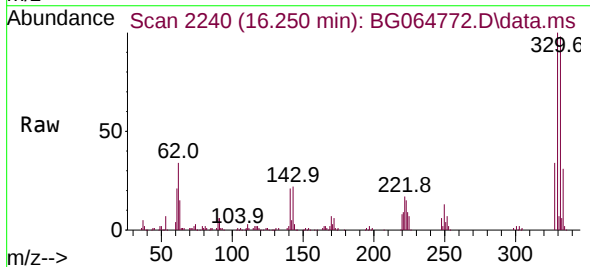
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-05

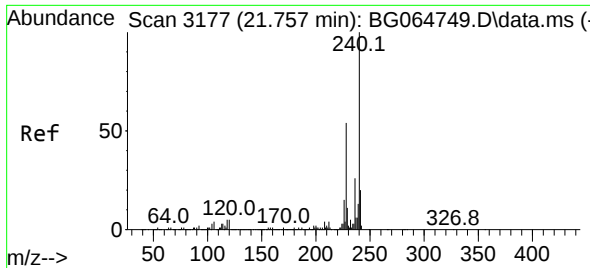
Tgt Ion:188 Resp: 263984
Ion Ratio Lower Upper
188 100
94 5.5 4.7 7.1
80 6.7 5.4 8.2



#67
4-Bromophenyl-phenylether
Concen: 4.654 ng
RT: 16.250 min Scan# 2240
Delta R.T. -0.443 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

Tgt Ion:248 Resp: 16133
Ion Ratio Lower Upper
248 100
250 214.2 77.0 115.6#
141 267.6 43.7 65.5#

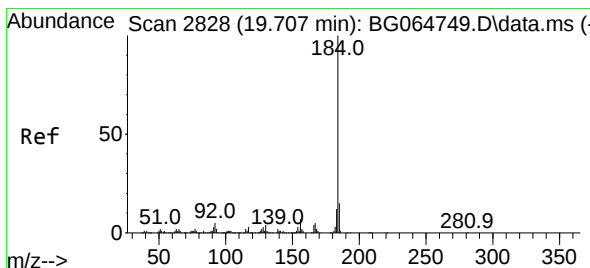
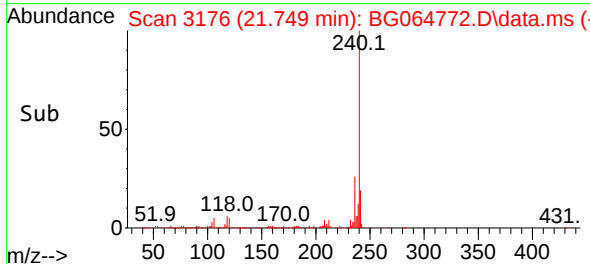
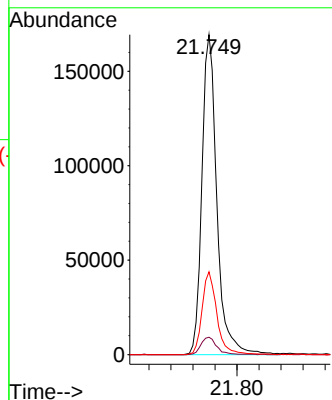
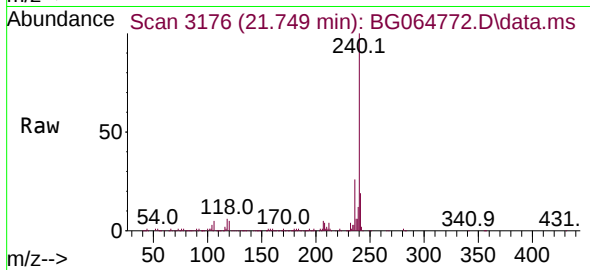




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3177
Delta R.T. -0.008 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

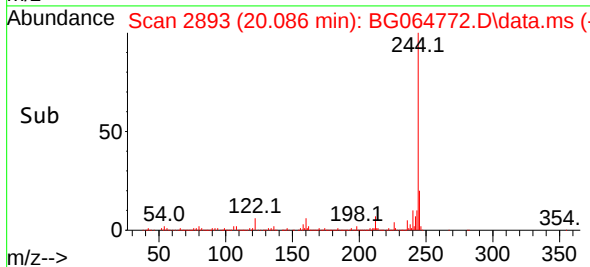
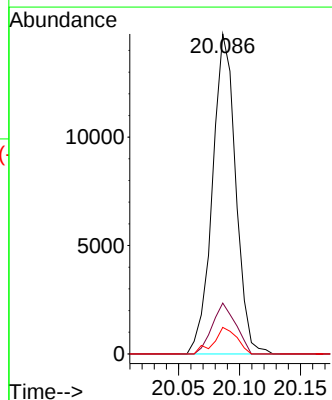
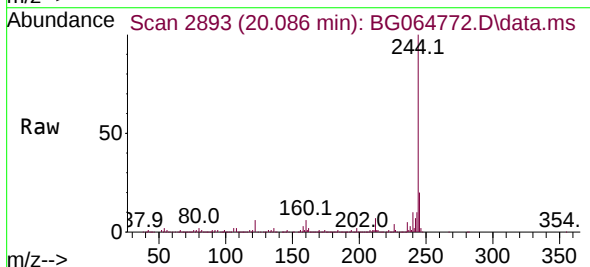
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-05

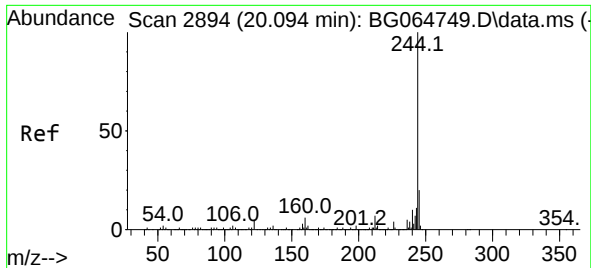
Tgt Ion:240 Resp: 318904
Ion Ratio Lower Upper
240 100
120 5.4 4.2 6.4
236 25.9 20.8 31.2



#77
Benzidine
Concen: 2.047 ng
RT: 20.086 min Scan# 2893
Delta R.T. 0.380 min
Lab File: BG064772.D
Acq: 14 Nov 2025 1:33

Tgt Ion:184 Resp: 19547
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.6
183 8.3 9.8 14.6#

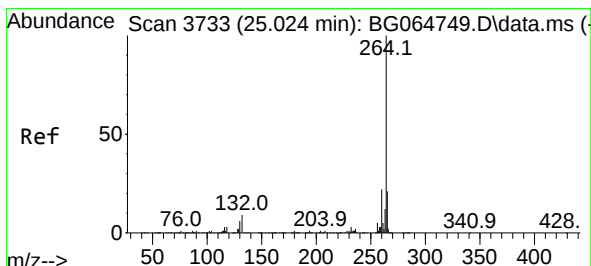
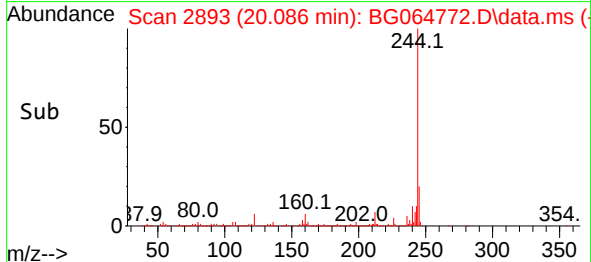
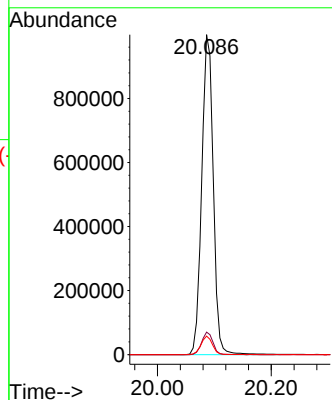
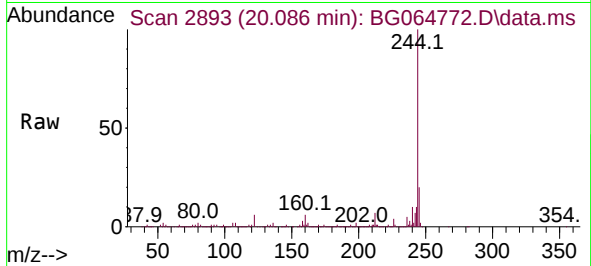




#79
 Terphenyl-d14
 Concen: 86.477 ng
 RT: 20.086 min Scan# 2893
 Delta R.T. -0.008 min
 Lab File: BG064772.D
 Acq: 14 Nov 2025 1:33

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-05

Tgt Ion:244 Resp: 1401967
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 5.8 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: BG064772.D
 Acq: 14 Nov 2025 1:33

Tgt Ion:264 Resp: 332340
 Ion Ratio Lower Upper
 264 100
 260 25.6 17.2 25.8
 265 20.7 16.6 25.0

