

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064760.D
 Acq On : 13 Nov 2025 17:22
 Operator : RC/JU
 Sample : Q3609-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 14 05:01:20 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)

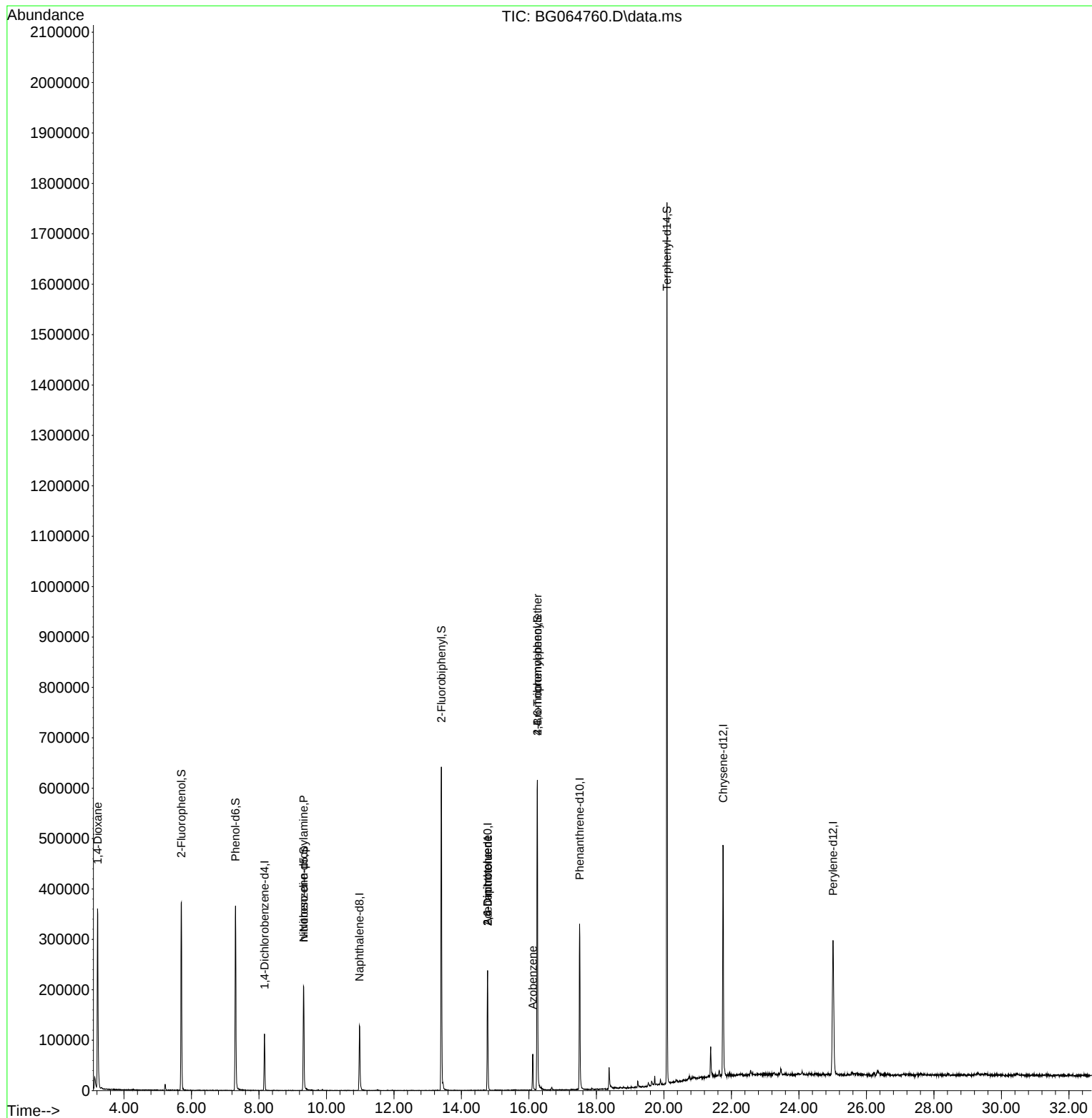
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	32026	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	119447	20.000	ng	# 0.00
39) Acenaphthene-d10	14.775	164	93146	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	235739	20.000	ng	0.00
76) Chrysene-d12	21.755	240	324228	20.000	ng	0.00
86) Perylene-d12	25.010	264	339738	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	158731	86.548	ng	0.00
7) Phenol-d6	7.307	99	211175	86.571	ng	0.00
23) Nitrobenzene-d5	9.328	82	130699	54.100	ng	0.00
42) 2,4,6-Tribromophenol	16.250	330	162303	89.343	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	365640	54.773	ng	0.00
79) Terphenyl-d14	20.092	244	965500	58.577	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	3062	4.313	ng	# 1
19) n-Nitroso-di-n-propyla...	9.328	70	16277	9.869	ng	# 71
51) 2,6-Dinitrotoluene	14.775	165	11316	7.992	ng	# 25
57) 2,4-Dinitrotoluene	14.775	165	11316	5.331	ng	# 28
63) Azobenzene	16.114	77	21592	3.683	ng	# 1
67) 4-Bromophenyl-phenylether	16.250	248	10063	3.251	ng	# 1

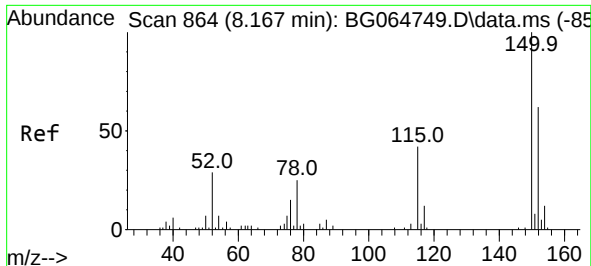
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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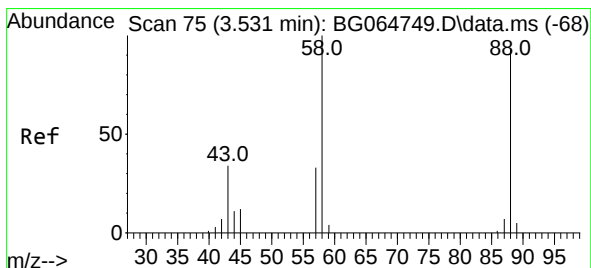
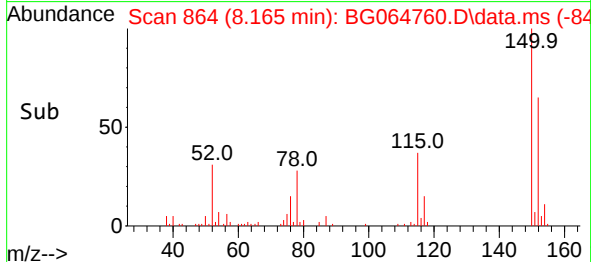
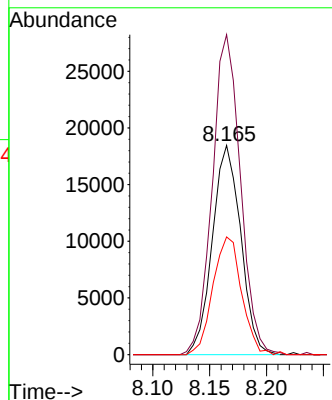
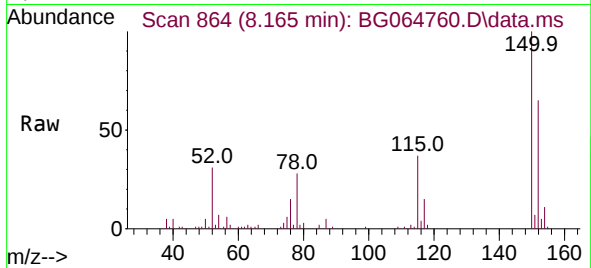




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064760.D
 Acq: 13 Nov 2025 17:22

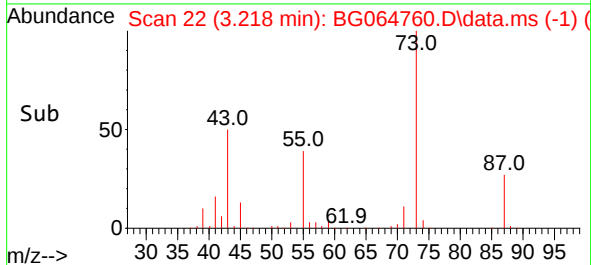
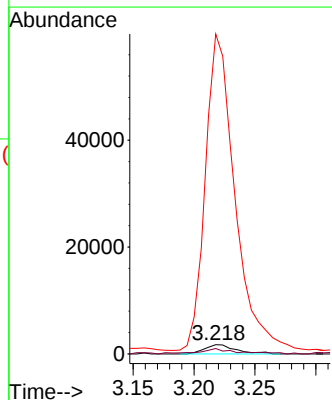
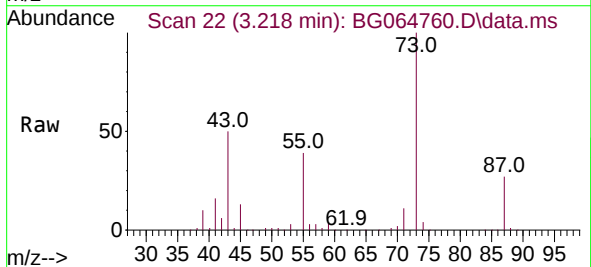
Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-05

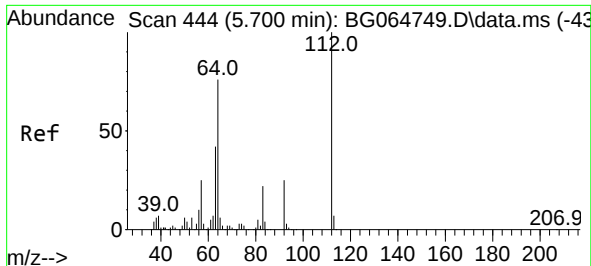
Tgt Ion:152 Resp: 32026
 Ion Ratio Lower Upper
 152 100
 150 152.9 129.2 193.8
 115 56.2 53.7 80.5



#2
 1,4-Dioxane
 Concen: 4.313 ng
 RT: 3.218 min Scan# 22
 Delta R.T. -0.314 min
 Lab File: BG064760.D
 Acq: 13 Nov 2025 17:22

Tgt Ion: 88 Resp: 3062
 Ion Ratio Lower Upper
 88 100
 58 70.9 84.6 126.8#
 43 3271.7 30.0 45.0#

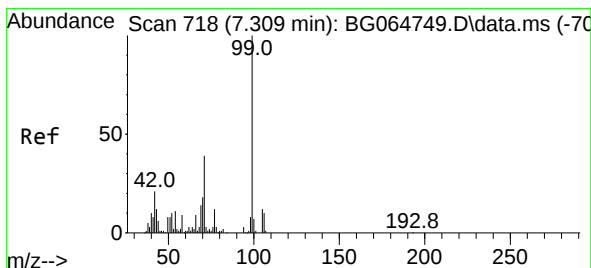
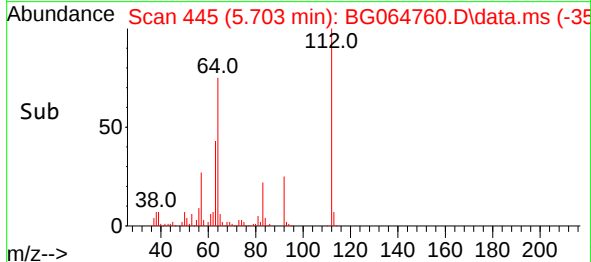
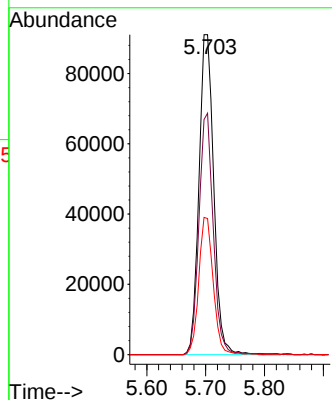
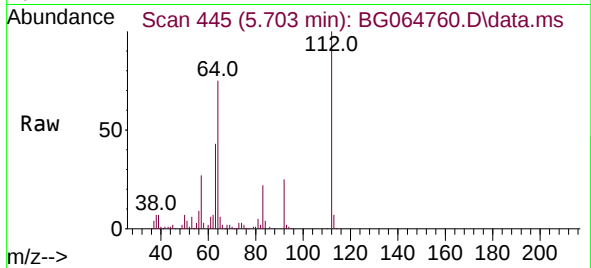




#5
2-Fluorophenol
Concen: 86.548 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.003 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

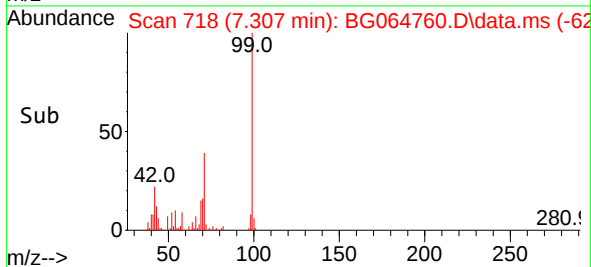
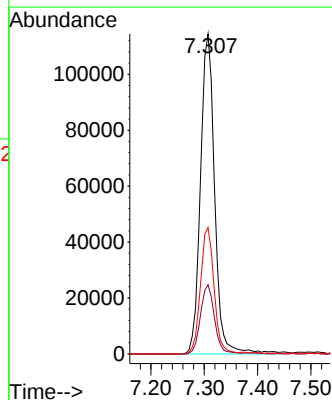
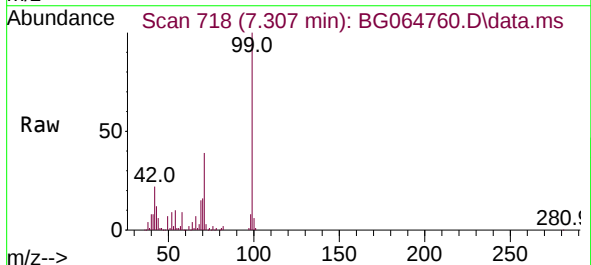
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-05

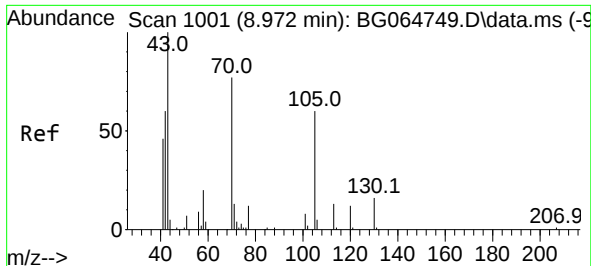
Tgt Ion:112 Resp: 158731
Ion Ratio Lower Upper
112 100
64 75.4 61.0 91.4
63 42.5 33.3 49.9



#7
Phenol-d6
Concen: 86.571 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

Tgt Ion: 99 Resp: 211175
Ion Ratio Lower Upper
99 100
42 21.6 16.8 25.2
71 39.5 31.1 46.7

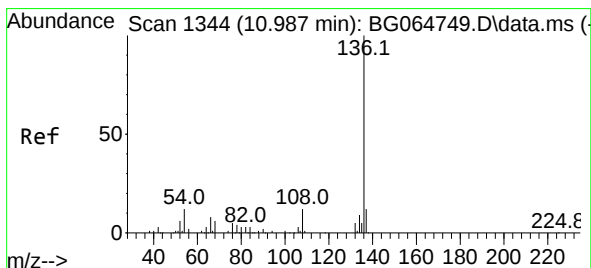
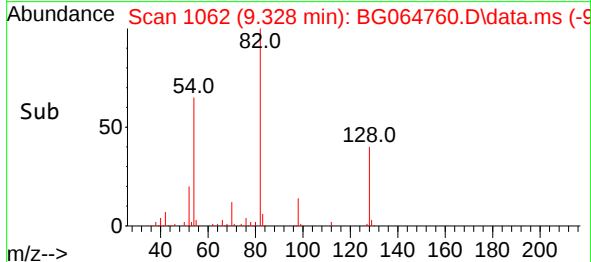
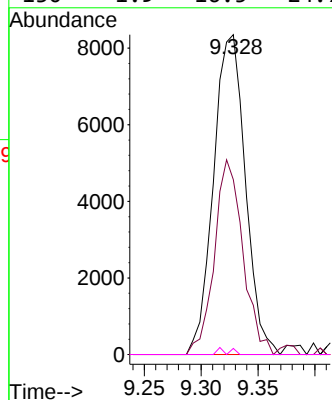
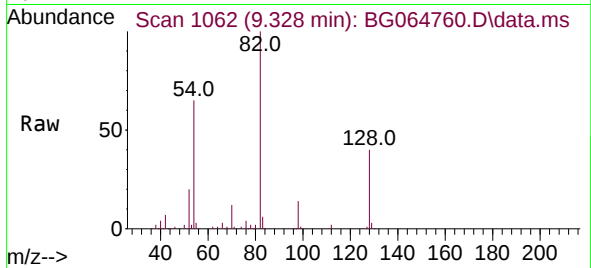




#19
n-Nitroso-di-n-propylamine
Concen: 9.869 ng
RT: 9.328 min Scan# 10
Delta R.T. 0.356 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

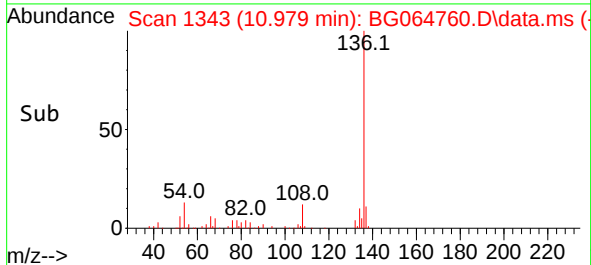
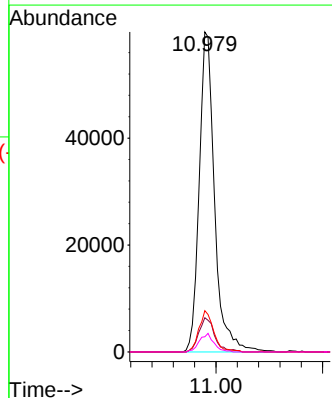
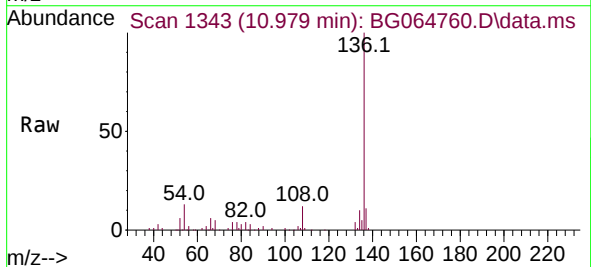
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-05

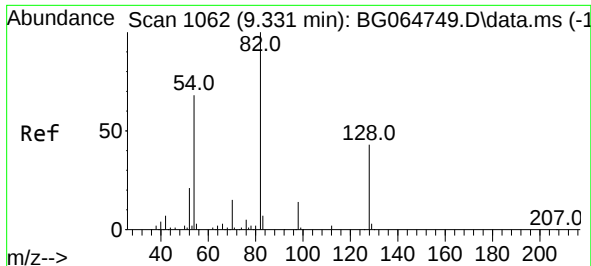
Tgt Ion:	70	Resp:	16277
Ion	Ratio	Lower	Upper
70	100		
42	54.7	62.6	93.8#
101	0.0	8.0	12.0#
130	1.9	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

Tgt Ion:	136	Resp:	119447
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	12.9	9.3	13.9
68	4.7	5.0	7.6#





#23

Nitrobenzene-d5

Concen: 54.100 ng

RT: 9.328 min Scan# 1062

Delta R.T. -0.002 min

Lab File: BG064760.D

Acq: 13 Nov 2025 17:22

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-05

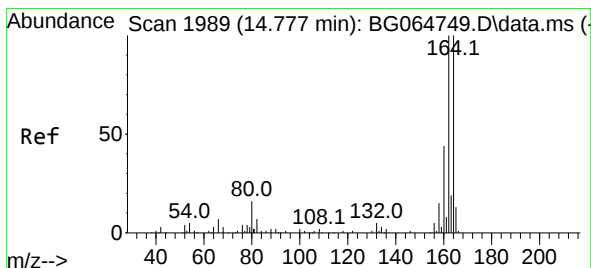
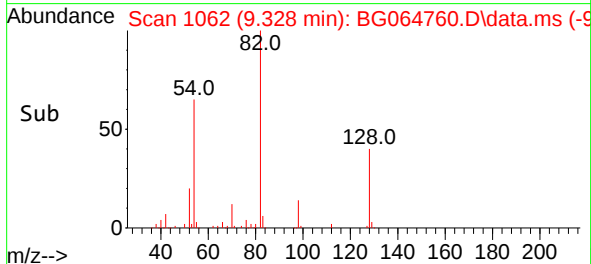
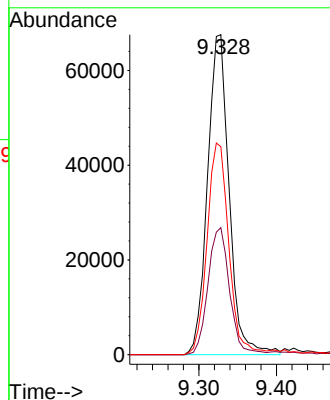
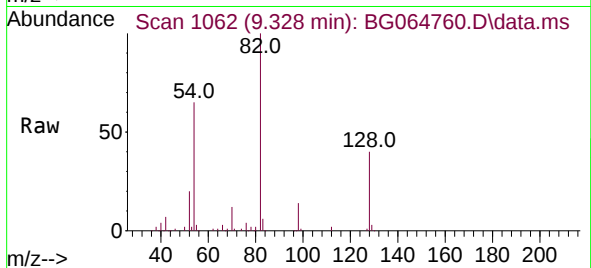
Tgt Ion: 82 Resp: 130699

Ion Ratio Lower Upper

82 100

128 39.7 34.1 51.1

54 65.0 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: BG064760.D

Acq: 13 Nov 2025 17:22

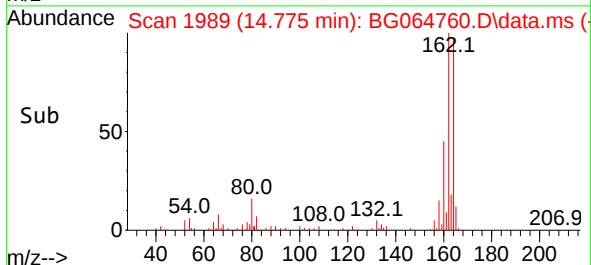
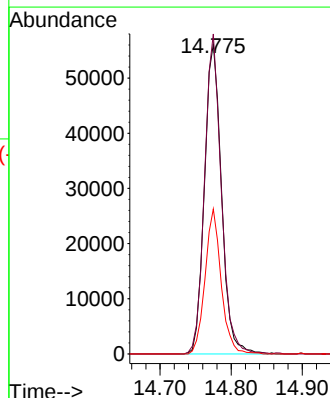
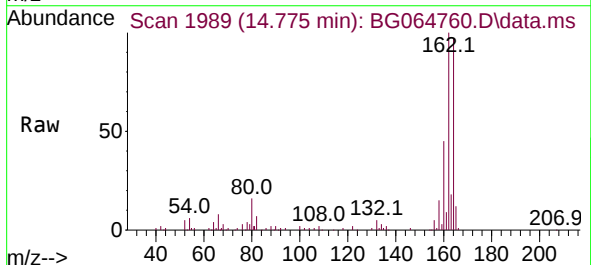
Tgt Ion: 164 Resp: 93146

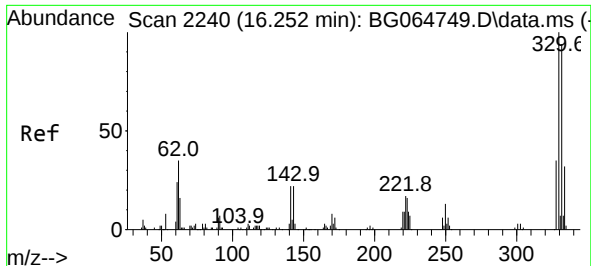
Ion Ratio Lower Upper

164 100

162 103.3 79.8 119.6

160 46.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 89.343 ng

RT: 16.250 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG064760.D

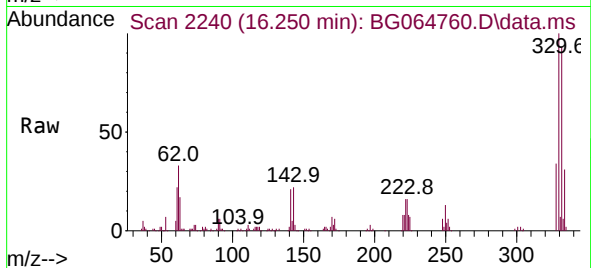
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Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-05



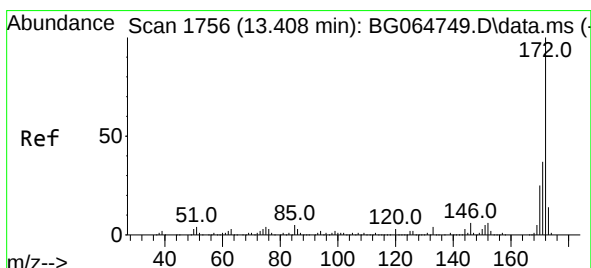
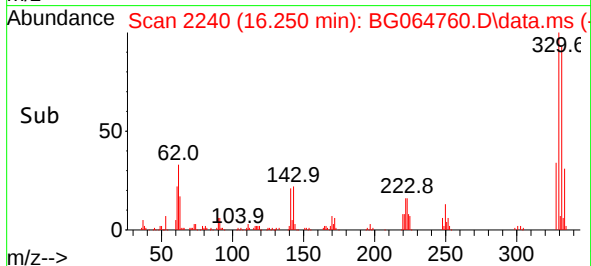
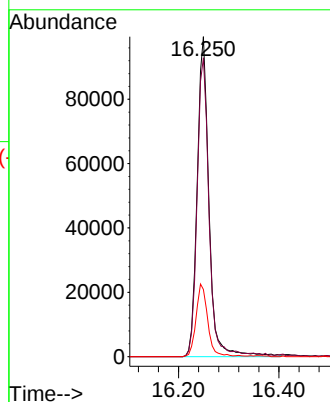
Tgt Ion:330 Resp: 162303

Ion Ratio Lower Upper

330 100

332 93.5 77.0 115.6

141 22.3 18.2 27.2



#45

2-Fluorobiphenyl

Concen: 54.773 ng

RT: 13.406 min Scan# 1756

Delta R.T. -0.002 min

Lab File: BG064760.D

Acq: 13 Nov 2025 17:22

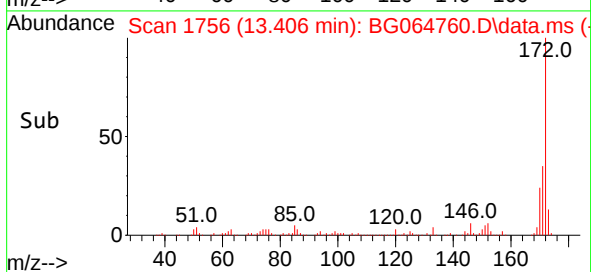
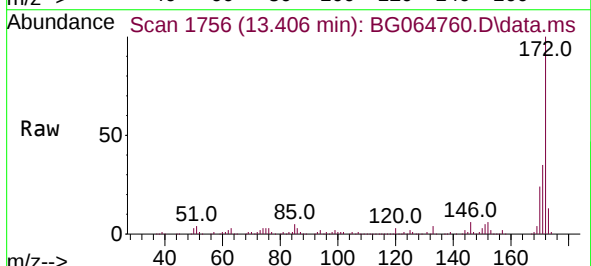
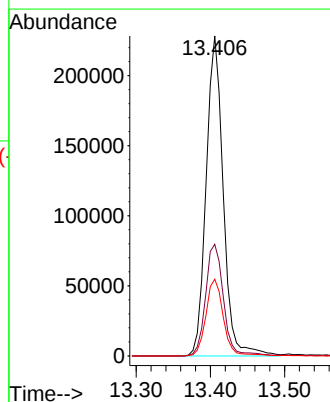
Tgt Ion:172 Resp: 365640

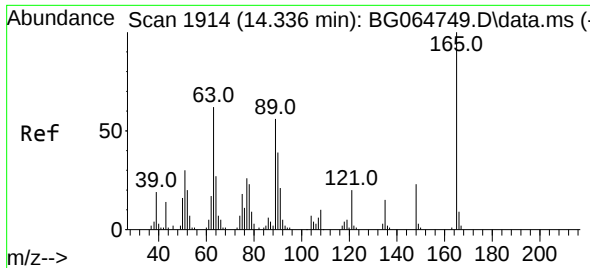
Ion Ratio Lower Upper

172 100

171 34.9 29.9 44.9

170 24.0 19.8 29.6

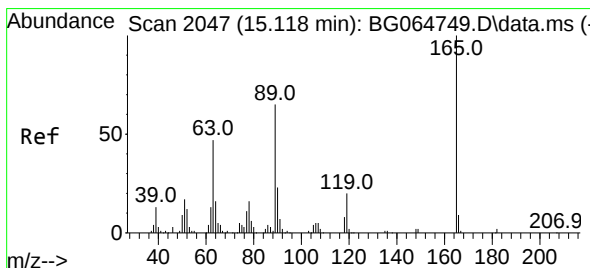
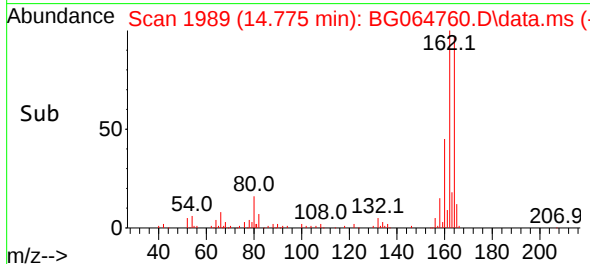
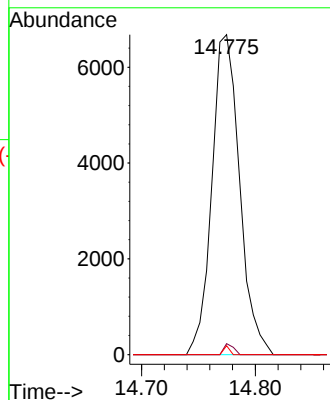
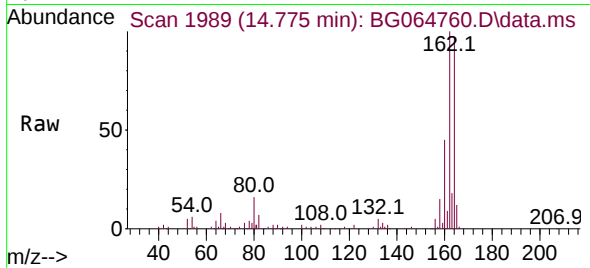




#51
2,6-Dinitrotoluene
Concen: 7.992 ng
RT: 14.775 min Scan# 1914
Delta R.T. 0.438 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

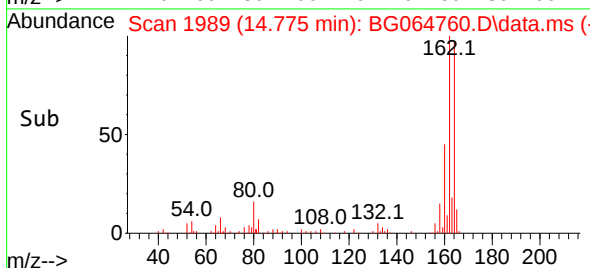
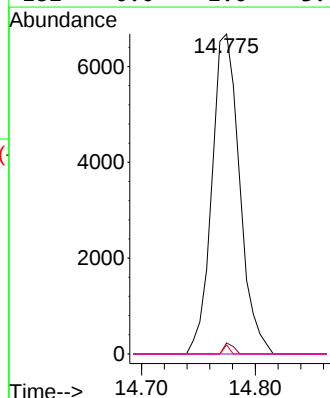
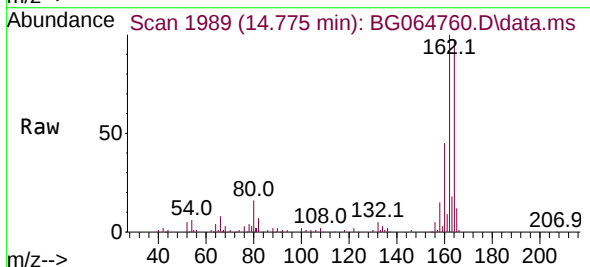
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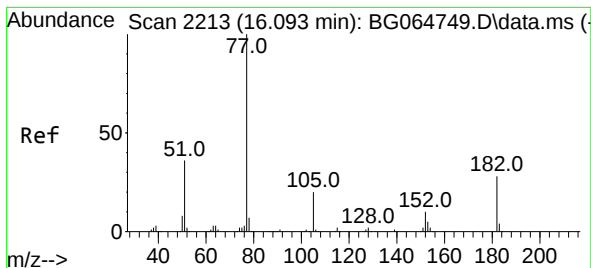
Tgt Ion:165 Resp: 11316
Ion Ratio Lower Upper
165 100
63 3.4 49.8 74.8#
89 2.8 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.331 ng
RT: 14.775 min Scan# 1989
Delta R.T. -0.343 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

Tgt Ion:165 Resp: 11316
Ion Ratio Lower Upper
165 100
63 3.4 37.8 56.6#
89 2.8 51.6 77.4#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.683 ng

RT: 16.114 min Scan# 21

Delta R.T. 0.021 min

Lab File: BG064760.D

Acq: 13 Nov 2025 17:22

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-05

Tgt Ion: 77 Resp: 21592

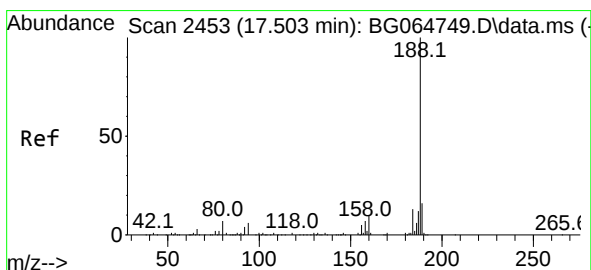
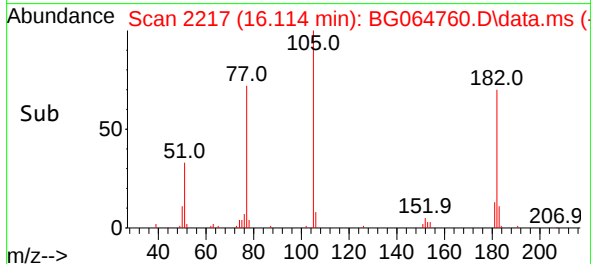
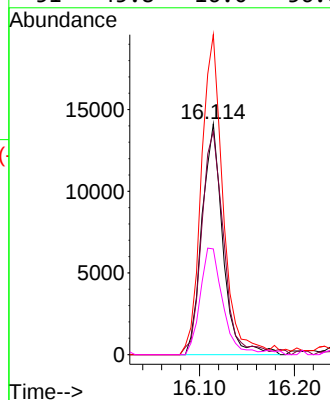
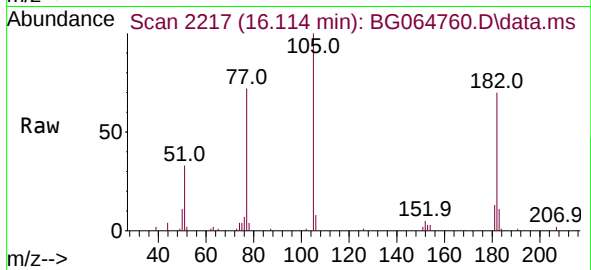
Ion Ratio Lower Upper

77 100

182 96.8 8.1 48.1#

105 138.7 0.1 40.1#

51 45.8 16.0 56.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.501 min Scan# 2453

Delta R.T. -0.002 min

Lab File: BG064760.D

Acq: 13 Nov 2025 17:22

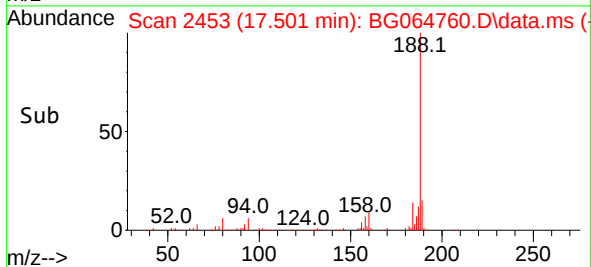
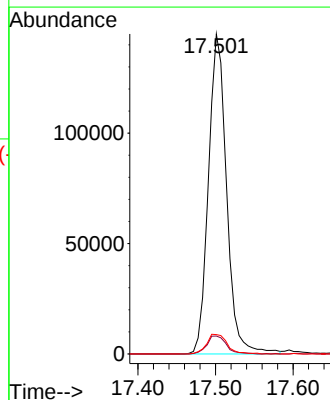
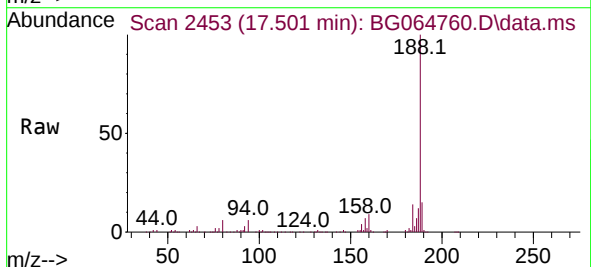
Tgt Ion:188 Resp: 235739

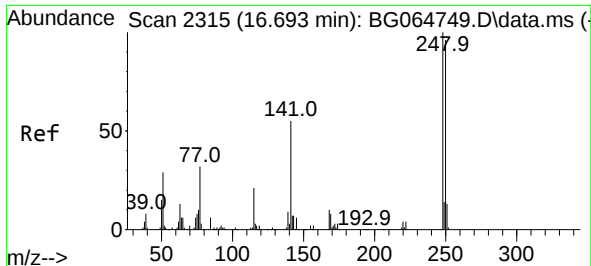
Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

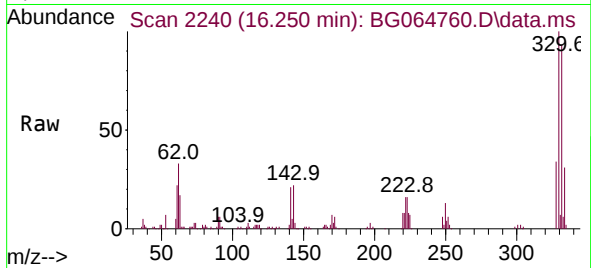
80 6.0 5.4 8.2



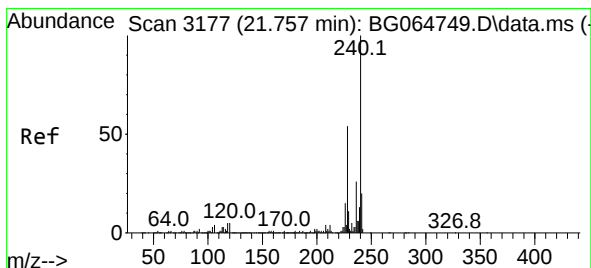
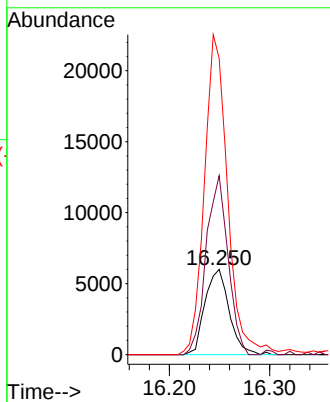
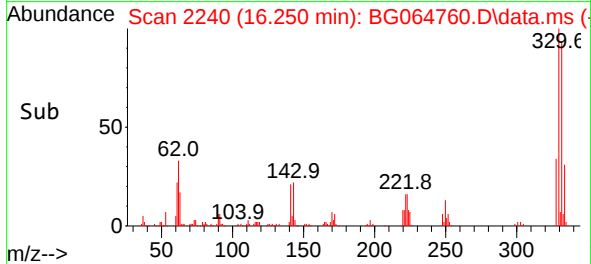


#67
4-Bromophenyl-phenylether
Concen: 3.251 ng
RT: 16.250 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

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

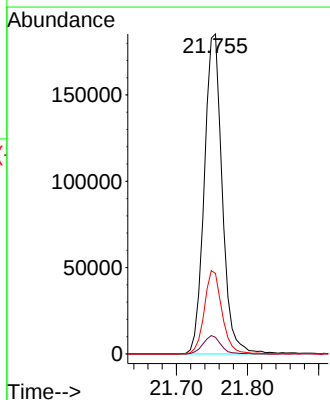
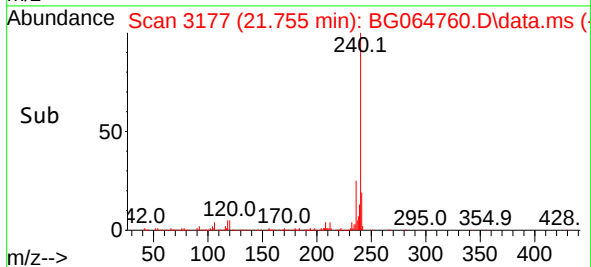
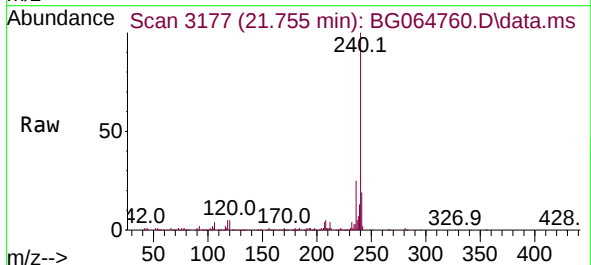


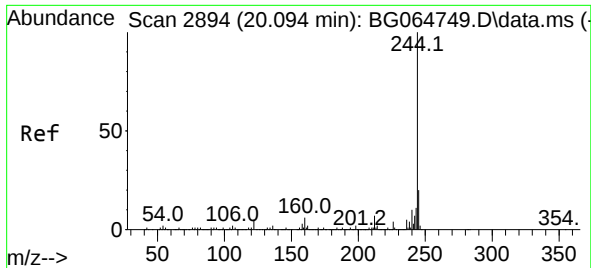
Tgt Ion:248 Resp: 10063
Ion Ratio Lower Upper
248 100
250 210.4 77.0 115.6#
141 271.6 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.755 min Scan# 3177
Delta R.T. -0.002 min
Lab File: BG064760.D
Acq: 13 Nov 2025 17:22

Tgt Ion:240 Resp: 324228
Ion Ratio Lower Upper
240 100
120 5.2 4.2 6.4
236 25.1 20.8 31.2

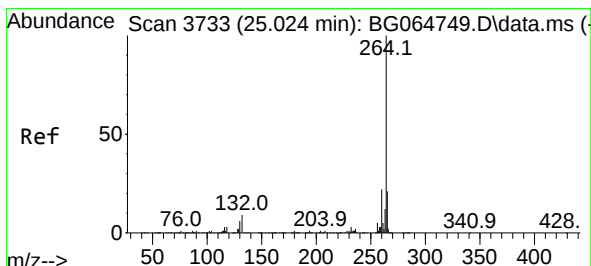
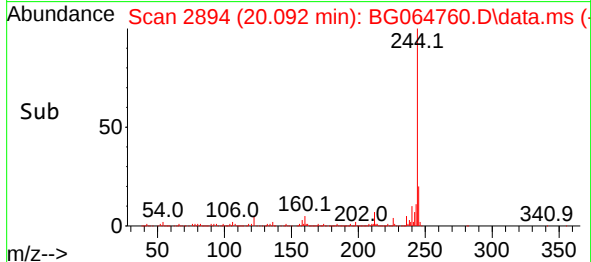
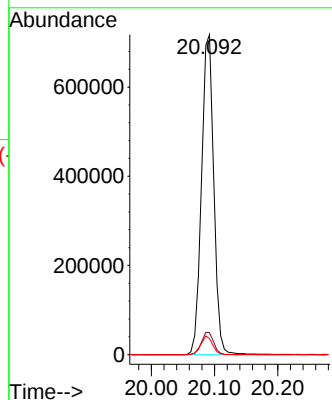
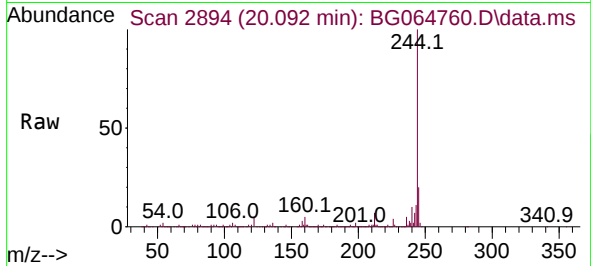




#79
 Terphenyl-d14
 Concen: 58.577 ng
 RT: 20.092 min Scan# 2894
 Delta R.T. -0.002 min
 Lab File: BG064760.D
 Acq: 13 Nov 2025 17:22

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

Tgt Ion:244 Resp: 965500
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 5.0 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.010 min Scan# 3731
 Delta R.T. -0.014 min
 Lab File: BG064760.D
 Acq: 13 Nov 2025 17:22

Tgt Ion:264 Resp: 339738
 Ion Ratio Lower Upper
 264 100
 260 24.9 17.2 25.8
 265 23.0 16.6 25.0

