

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064722.D
 Acq On : 7 Nov 2025 18:56
 Operator : RC/JU
 Sample : Q3577-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1A

Quant Time: Nov 08 00:59:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

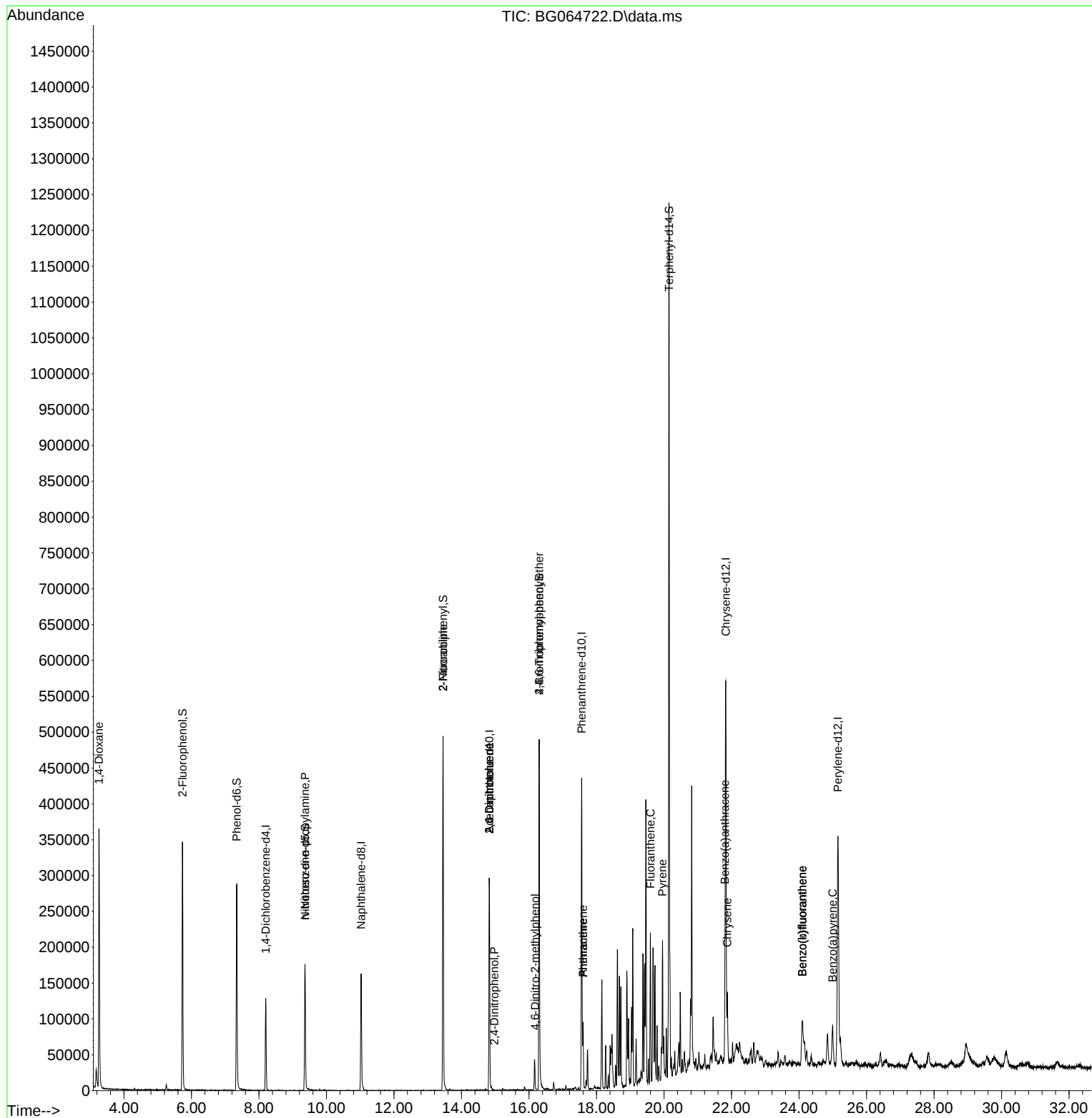
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.198	152	36777	20.000	ng	-0.02
21) Naphthalene-d8	11.024	136	144445	20.000	ng	#-0.02
39) Acenaphthene-d10	14.820	164	121607	20.000	ng	-0.02
64) Phenanthrene-d10	17.558	188	293877	20.000	ng	-0.02
76) Chrysene-d12	21.829	240	363424	20.000	ng	#-0.03
86) Perylene-d12	25.149	264	406985	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.731	112	141324	64.500	ng	-0.02
7) Phenol-d6	7.335	99	164359	54.666	ng	-0.02
23) Nitrobenzene-d5	9.362	82	106205	44.162	ng	-0.02
42) 2,4,6-Tribromophenol	16.301	330	127878	72.859	ng	-0.02
45) 2-Fluorobiphenyl	13.451	172	291911	36.385	ng	-0.02
79) Terphenyl-d14	20.149	244	667434	34.658	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	3054	3.148	ng	# 1
19) n-Nitroso-di-n-propyla...	9.362	70	14801	7.123	ng	# 67
48) 2-Nitroaniline	13.451	65	437	3.411	ng	# 1
51) 2,6-Dinitrotoluene	14.820	165	14652	12.101	ng	# 19
54) 2,4-Dinitrophenol	14.973	184	60	5.631	ng	# 1
57) 2,4-Dinitrotoluene	14.820	165	14652	8.831	ng	# 22
65) 4,6-Dinitro-2-methylph...	16.177	198	57	5.466	ng	# 1
67) 4-Bromophenyl-phenylether	16.301	248	7650	2.197	ng	# 1
71) Phenanthrene	17.599	178	62706	3.902	ng	95
72) Anthracene	17.599	178	62706	3.836	ng	95
75) Fluoranthene	19.597	202	143068	7.106	ng	97
78) Pyrene	19.955	202	135463	5.705	ng	98
81) Benzo(a)anthracene	21.806	228	73657	3.057	ng	98
83) Chrysene	21.871	228	72517	3.163	ng	97
88) Benzo(b)fluoranthene	24.097	252	92338	3.700	ng	98
89) Benzo(k)fluoranthene	24.097	252	92338	3.697	ng	99
90) Benzo(a)pyrene	24.990	252	71076	3.098	ng	99

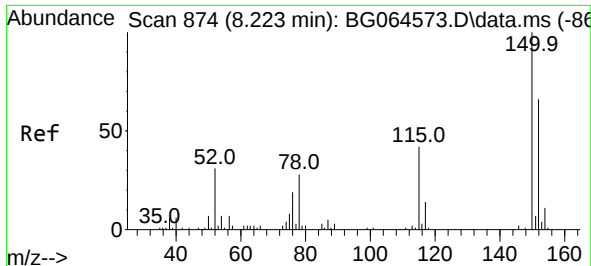
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
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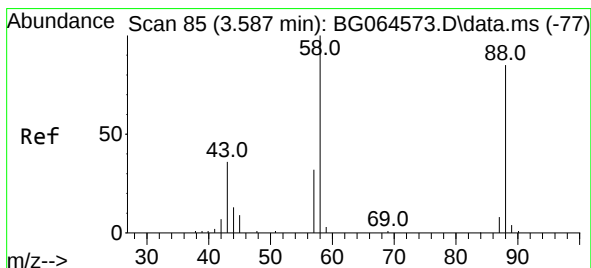
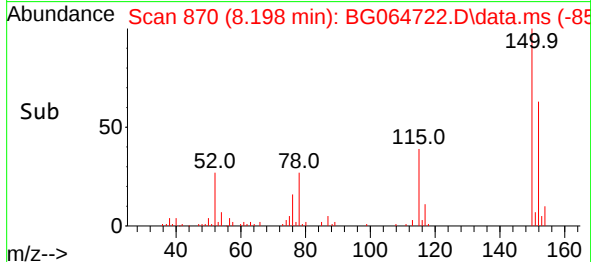
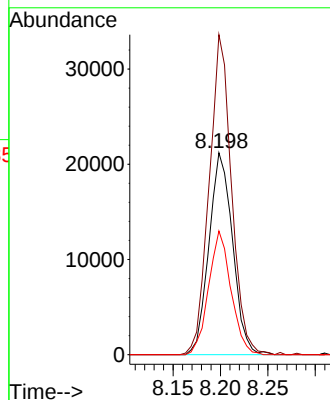
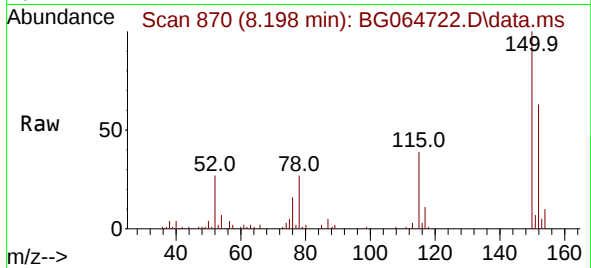




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.198 min Scan# 81
Delta R.T. -0.025 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

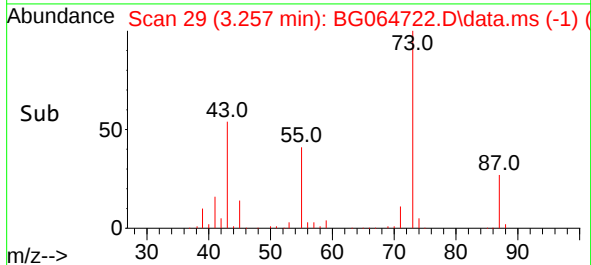
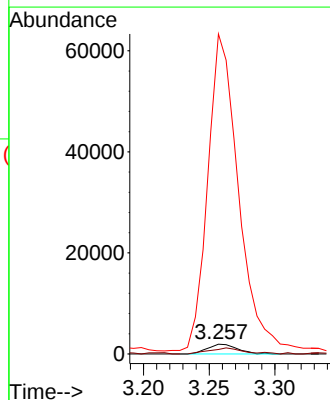
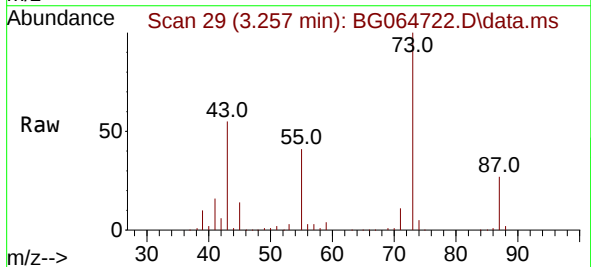
Instrument :
BNA_G
ClientSampleId :
WC-1A

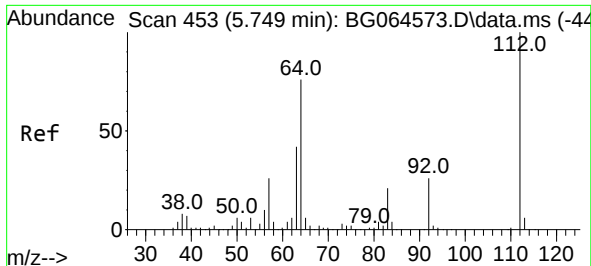
Tgt Ion:152 Resp: 36777
Ion Ratio Lower Upper
152 100
150 158.4 122.2 183.4
115 61.3 50.8 76.2



#2
1,4-Dioxane
Concen: 3.148 ng
RT: 3.257 min Scan# 29
Delta R.T. -0.330 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

Tgt Ion: 88 Resp: 3054
Ion Ratio Lower Upper
88 100
58 70.4 92.4 138.6#
43 3408.2 33.0 49.6#

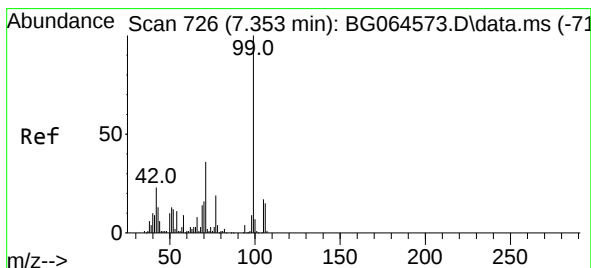
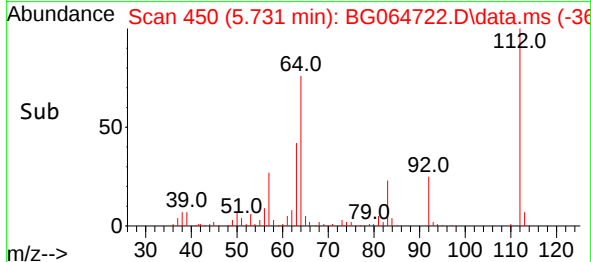
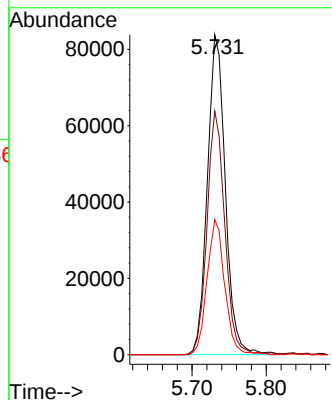
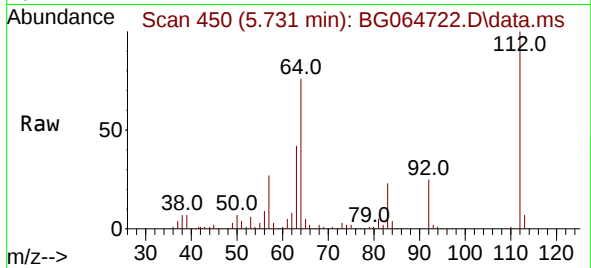




#5
2-Fluorophenol
Concen: 64.500 ng
RT: 5.731 min Scan# 41
Delta R.T. -0.019 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

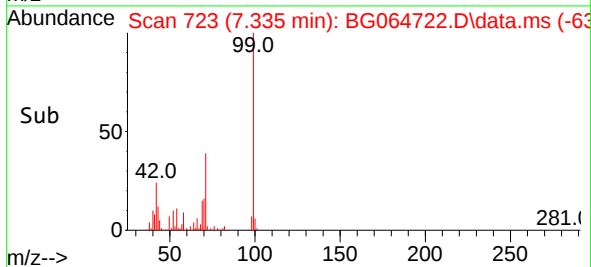
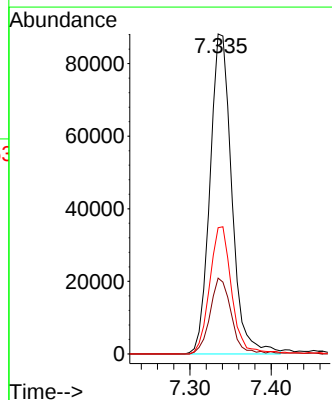
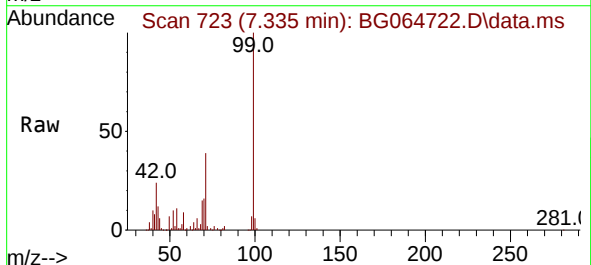
Instrument :
BNA_G
ClientSampleId :
WC-1A

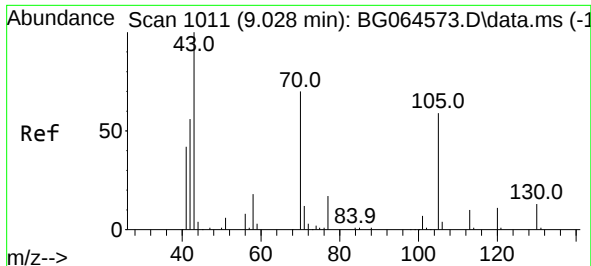
Tgt Ion:112 Resp: 141324
Ion Ratio Lower Upper
112 100
64 76.2 60.7 91.1
63 42.2 33.4 50.0



#7
Phenol-d6
Concen: 54.666 ng
RT: 7.335 min Scan# 723
Delta R.T. -0.019 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

Tgt Ion: 99 Resp: 164359
Ion Ratio Lower Upper
99 100
42 23.7 18.3 27.5
71 39.5 28.6 43.0





#19

n-Nitroso-di-n-propylamine

Concen: 7.123 ng

RT: 9.362 min Scan# 1068

Delta R.T. 0.334 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Instrument :

BNA_G

ClientSampleId :

WC-1A

Tgt Ion: 70 Resp: 14801

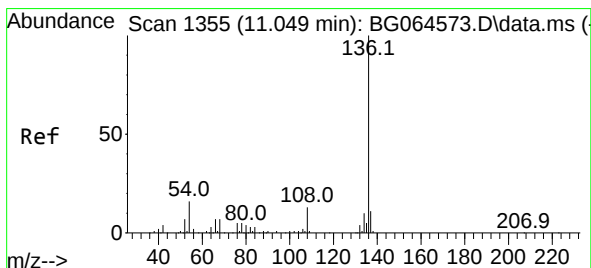
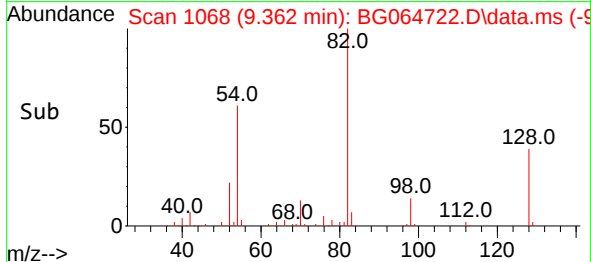
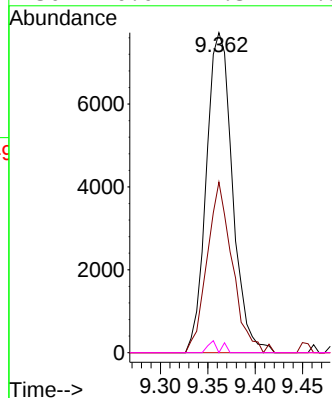
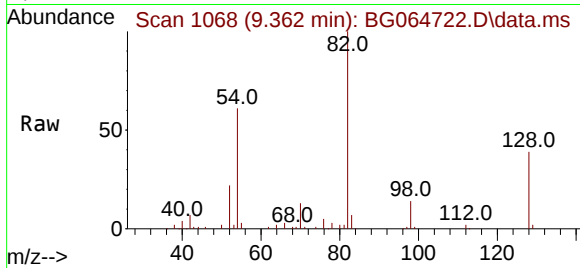
Ion Ratio Lower Upper

70 100

42 53.3 65.2 97.8#

101 0.0 7.9 11.9#

130 0.0 14.3 21.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.024 min Scan# 1351

Delta R.T. -0.025 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Tgt Ion:136 Resp: 144445

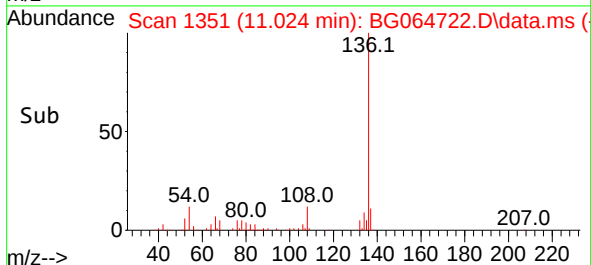
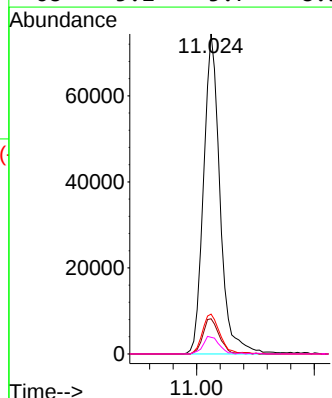
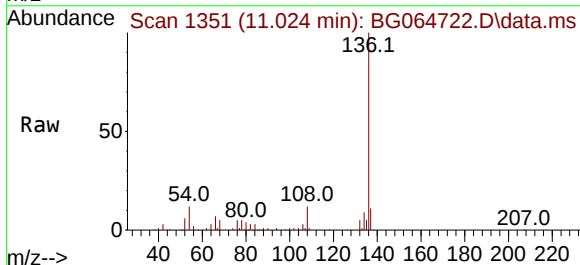
Ion Ratio Lower Upper

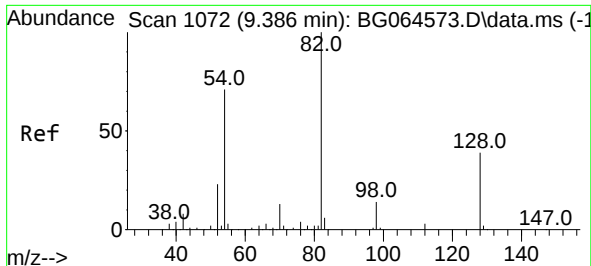
136 100

137 11.0 9.2 13.8

54 12.4 12.6 19.0#

68 5.2 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 44.162 ng

RT: 9.362 min Scan# 1

Delta R.T. -0.025 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Instrument :

BNA_G

ClientSampleId :

WC-1A

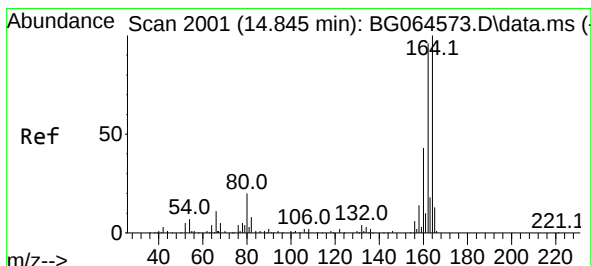
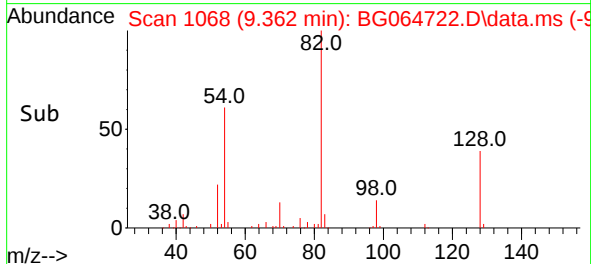
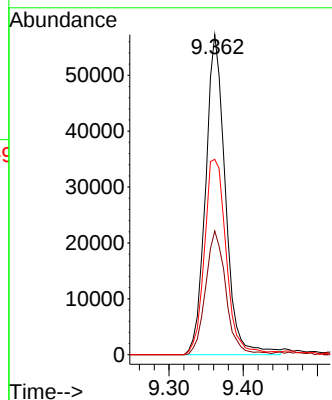
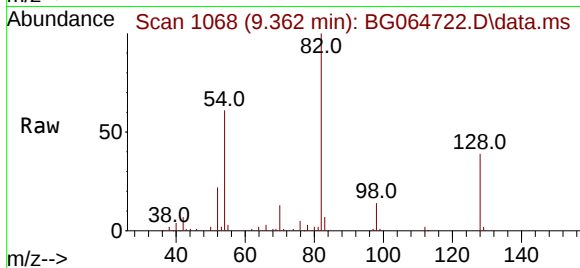
Tgt Ion: 82 Resp: 106205

Ion Ratio Lower Upper

82 100

128 38.6 31.3 46.9

54 61.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.820 min Scan# 1997

Delta R.T. -0.025 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

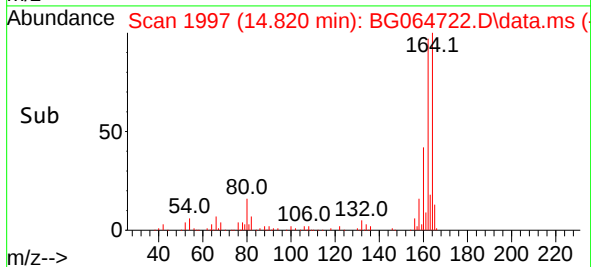
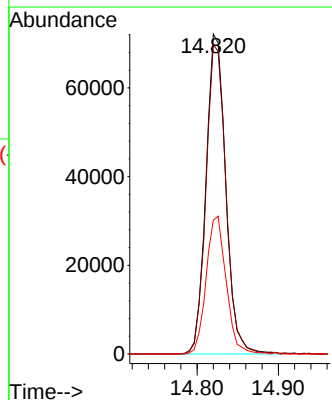
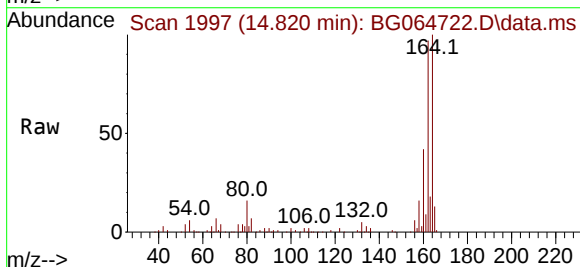
Tgt Ion: 164 Resp: 121607

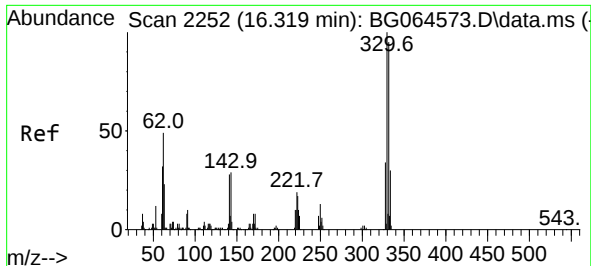
Ion Ratio Lower Upper

164 100

162 96.7 77.0 115.6

160 41.8 34.4 51.6

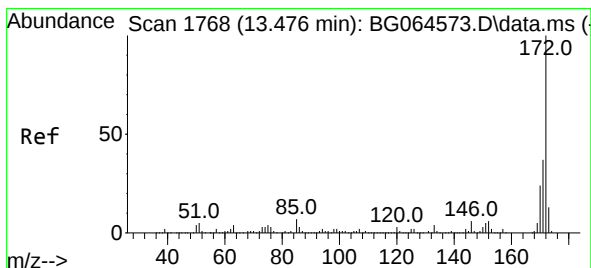
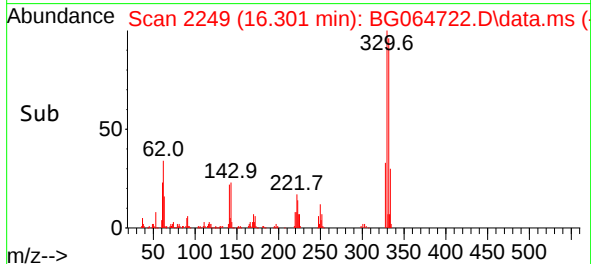
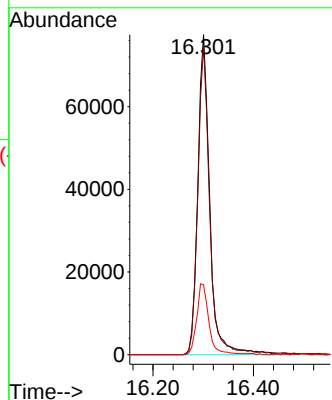
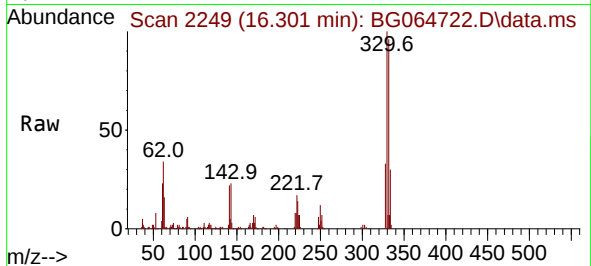




#42
2,4,6-Tribromophenol
Concen: 72.859 ng
RT: 16.301 min Scan# 21
Delta R.T. -0.019 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

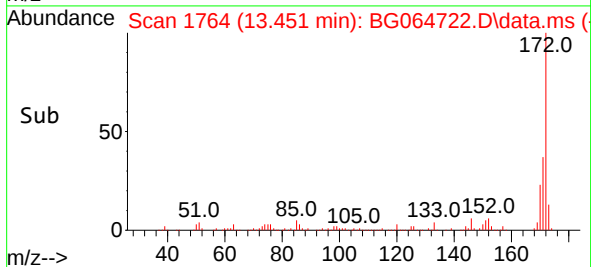
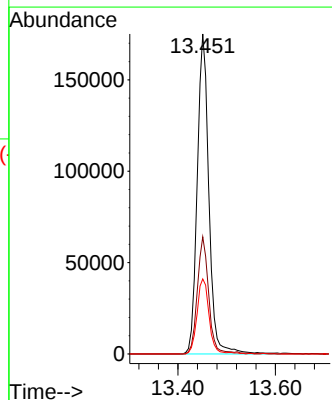
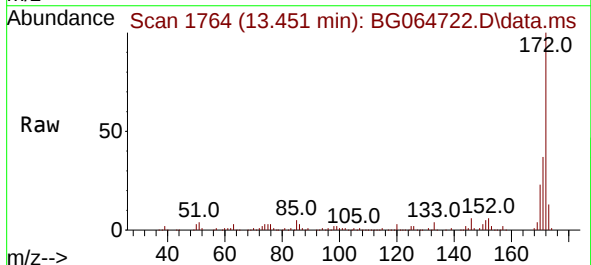
Instrument :
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ClientSampleId :
WC-1A

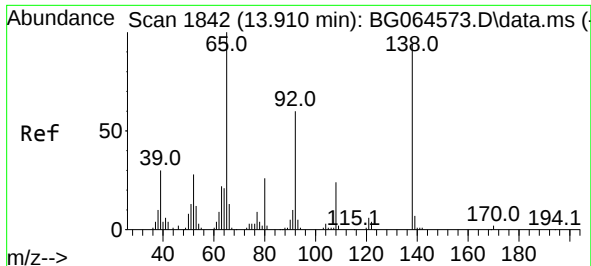
Tgt Ion:330 Resp: 127878
Ion Ratio Lower Upper
330 100
332 94.9 78.0 117.0
141 22.5 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 36.385 ng
RT: 13.451 min Scan# 1764
Delta R.T. -0.025 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

Tgt Ion:172 Resp: 291911
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 23.5 19.1 28.7

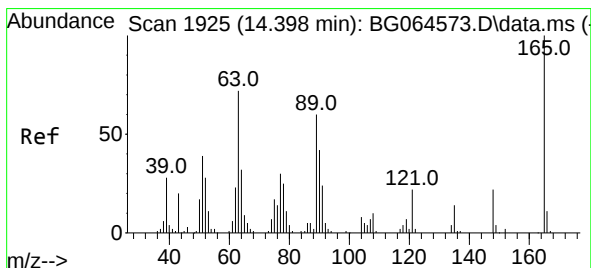
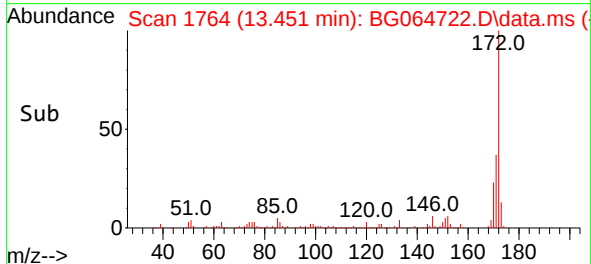
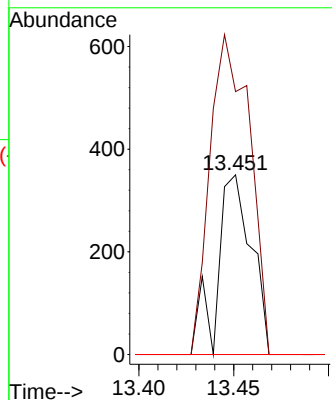
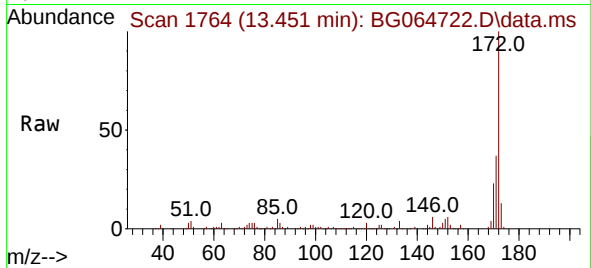




#48
2-Nitroaniline
Concen: 3.411 ng
RT: 13.451 min Scan# 1
Delta R.T. -0.459 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

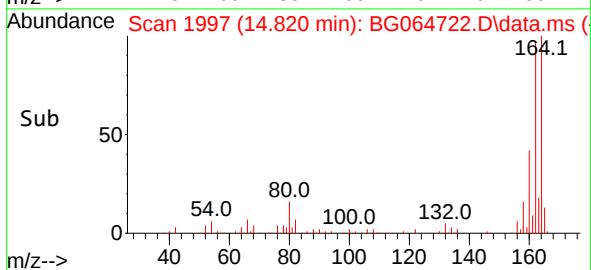
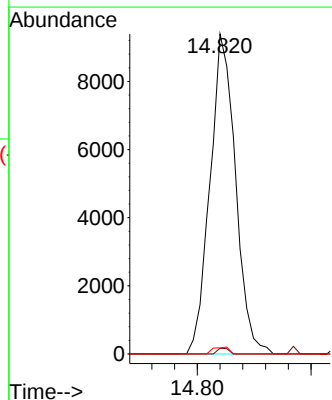
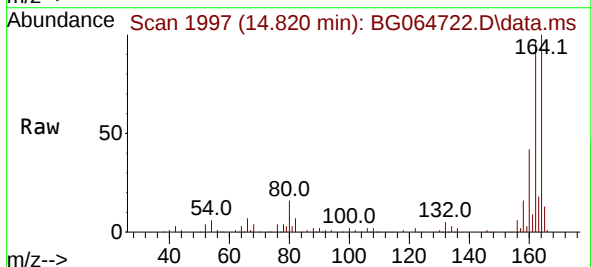
Instrument :
BNA_G
ClientSampleId :
WC-1A

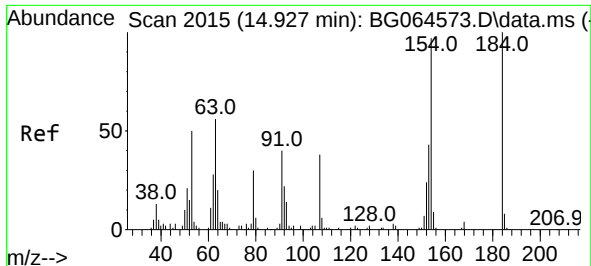
Tgt Ion: 65 Resp: 437
Ion Ratio Lower Upper
65 100
92 146.3 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.101 ng
RT: 14.820 min Scan# 1997
Delta R.T. 0.422 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

Tgt Ion:165 Resp: 14652
Ion Ratio Lower Upper
165 100
63 1.8 57.4 86.0#
89 1.9 47.8 71.8#

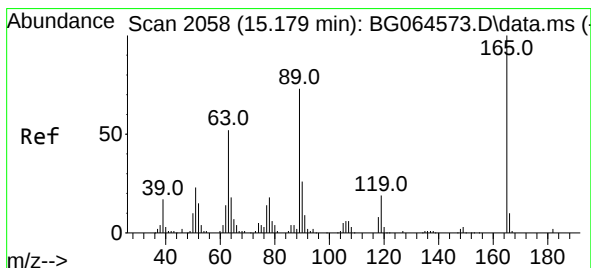
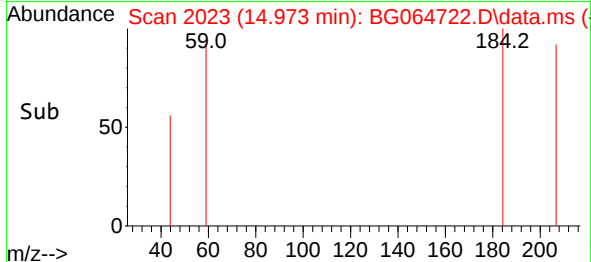
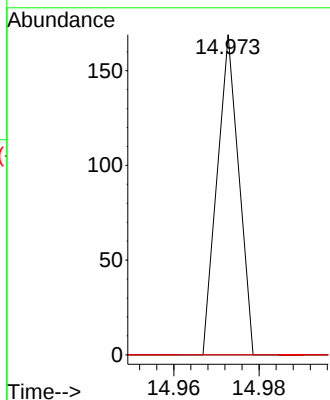
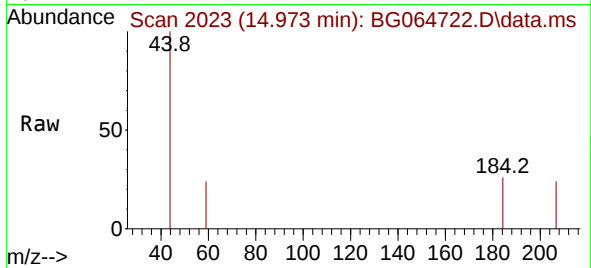




#54
2,4-Dinitrophenol
Concen: 5.631 ng
RT: 14.973 min Scan# 2015
Delta R.T. 0.046 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

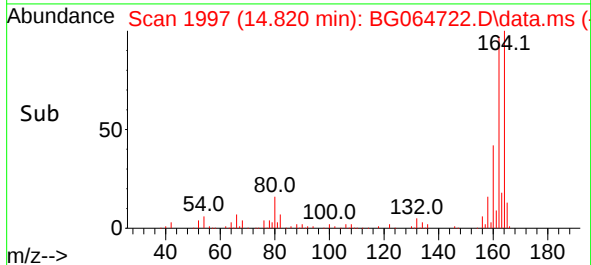
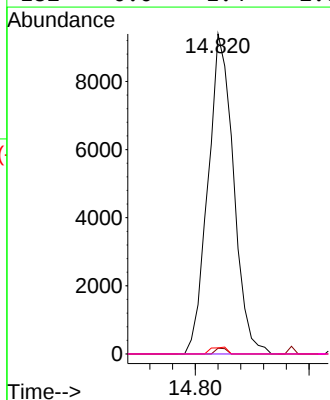
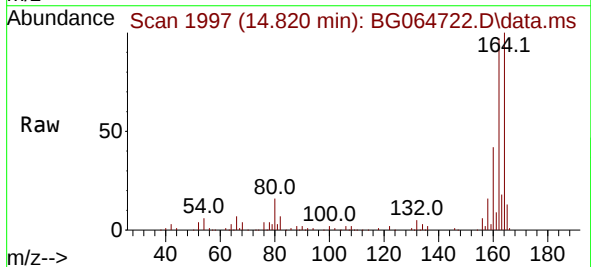
Instrument :
BNA_G
ClientSampleId :
WC-1A

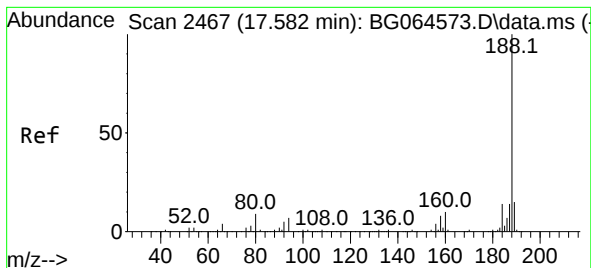
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 56.6 85.0#
154 0.0 158.6 238.0#



#57
2,4-Dinitrotoluene
Concen: 8.831 ng
RT: 14.820 min Scan# 1997
Delta R.T. -0.359 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

Tgt Ion:165 Resp: 14652
Ion Ratio Lower Upper
165 100
63 1.8 41.8 62.8#
89 1.9 58.1 87.1#
182 0.0 1.4 2.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.558 min Scan# 2463

Delta R.T. -0.025 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Instrument :

BNA_G

ClientSampleId :

WC-1A

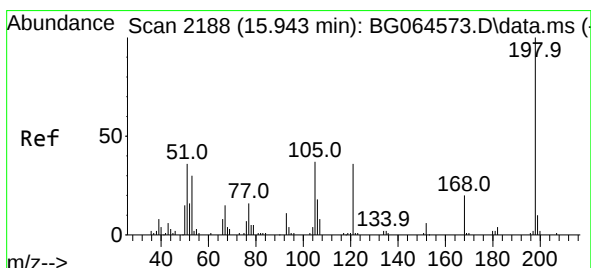
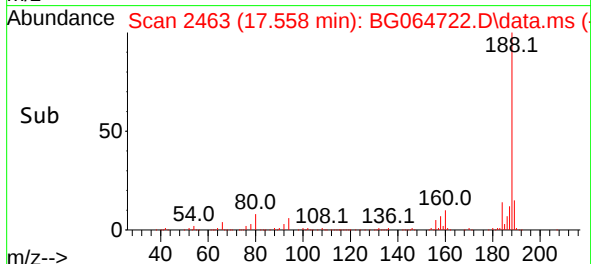
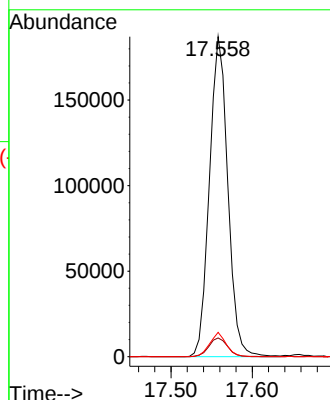
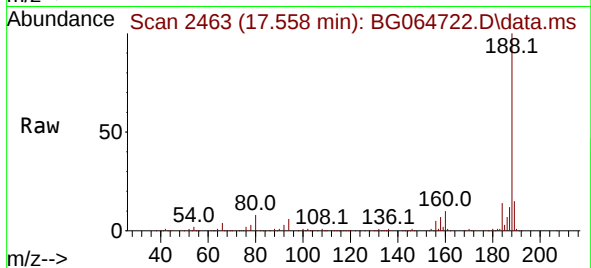
Tgt Ion:188 Resp: 293877

Ion Ratio Lower Upper

188 100

94 5.8 5.7 8.5

80 7.6 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.466 ng

RT: 16.177 min Scan# 2228

Delta R.T. 0.234 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

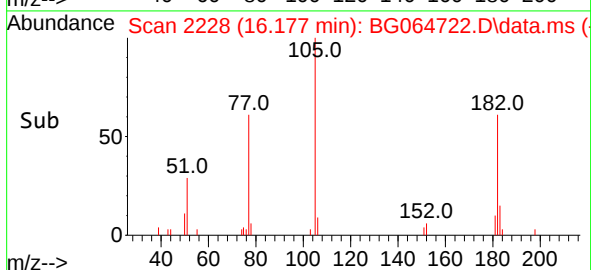
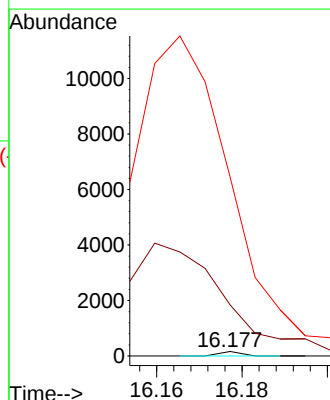
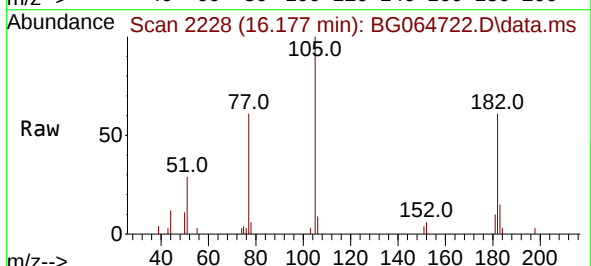
Tgt Ion:198 Resp: 57

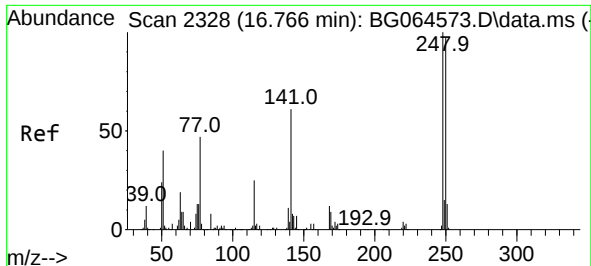
Ion Ratio Lower Upper

198 100

51 1134.0 24.7 64.7#

105 3978.4 18.0 58.0#

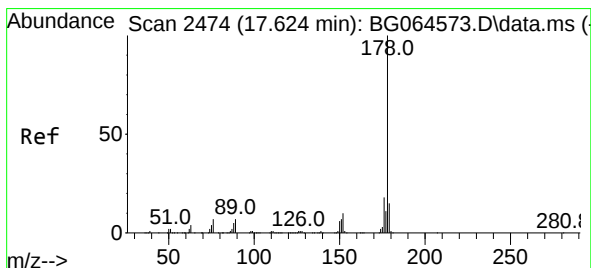
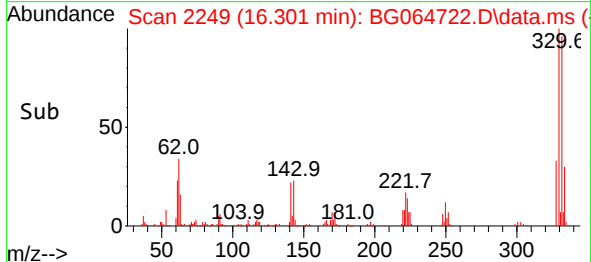
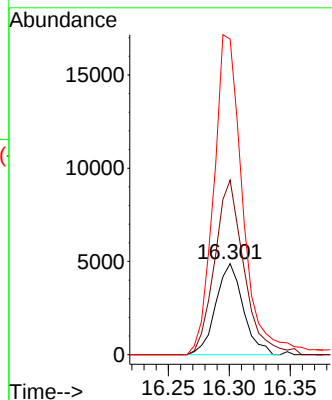
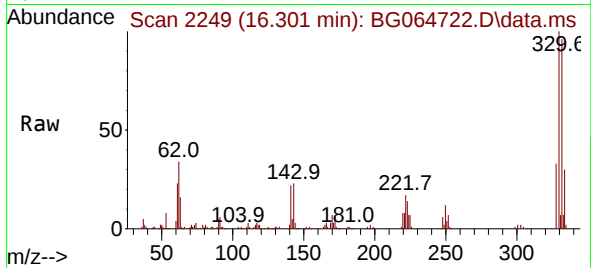




#67
4-Bromophenyl-phenylether
Concen: 2.197 ng
RT: 16.301 min Scan# 21
Delta R.T. -0.465 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

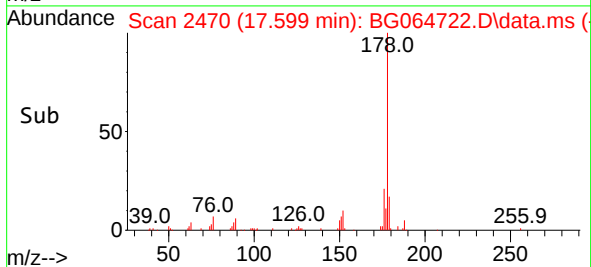
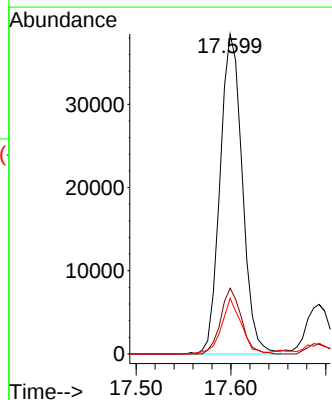
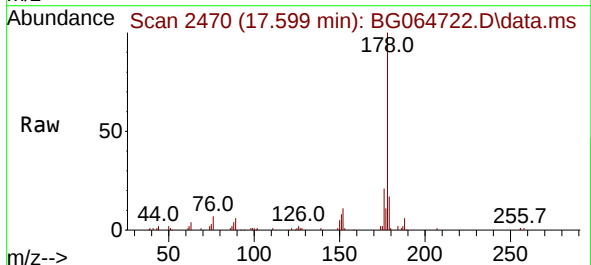
Instrument :
BNA_G
ClientSampleId :
WC-1A

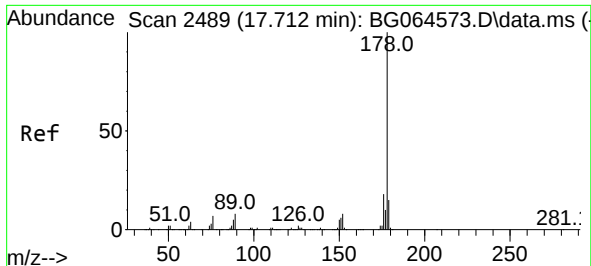
Tgt Ion:248 Resp: 7650
Ion Ratio Lower Upper
248 100
250 197.4 77.7 116.5#
141 269.0 48.6 72.8#



#71
Phenanthrene
Concen: 3.902 ng
RT: 17.599 min Scan# 2470
Delta R.T. -0.025 min
Lab File: BG064722.D
Acq: 7 Nov 2025 18:56

Tgt Ion:178 Resp: 62706
Ion Ratio Lower Upper
178 100
176 20.5 14.7 22.1
179 17.4 12.2 18.4

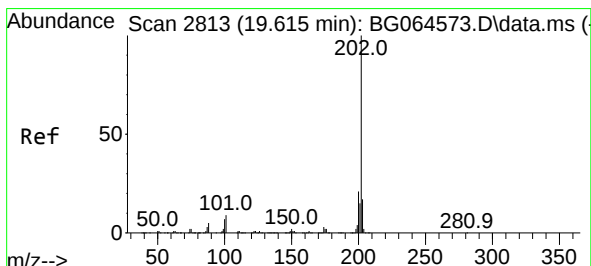
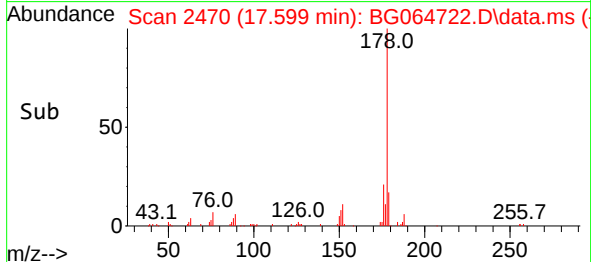
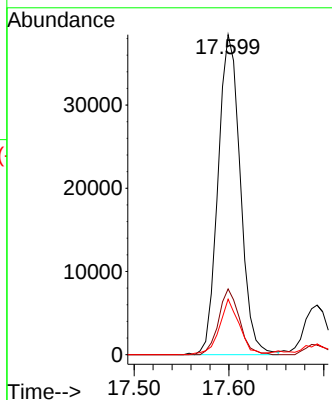
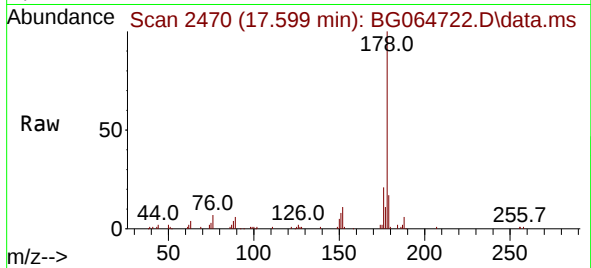




#72
 Anthracene
 Concen: 3.836 ng
 RT: 17.599 min Scan# 24
 Delta R.T. -0.113 min
 Lab File: BG064722.D
 Acq: 7 Nov 2025 18:56

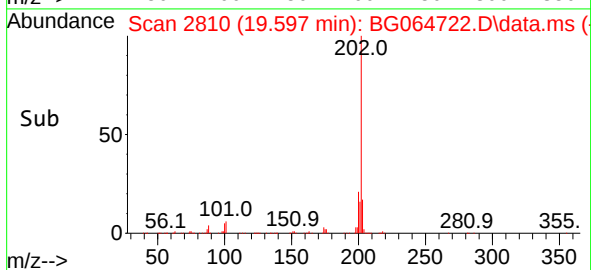
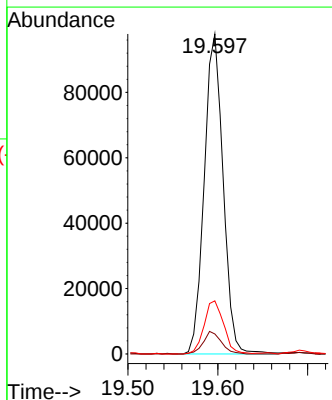
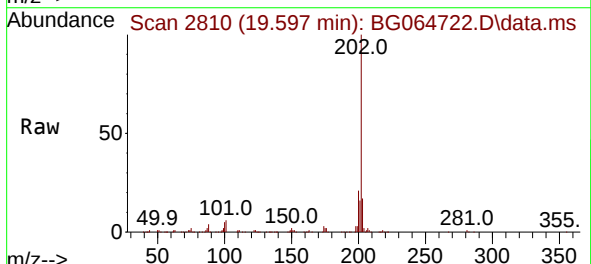
Instrument :
 BNA_G
 ClientSampleId :
 WC-1A

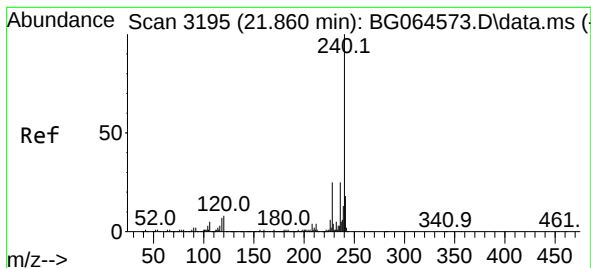
Tgt Ion:178 Resp: 62706
 Ion Ratio Lower Upper
 178 100
 176 20.5 14.4 21.6
 179 17.4 12.4 18.6



#75
 Fluoranthene
 Concen: 7.106 ng
 RT: 19.597 min Scan# 2810
 Delta R.T. -0.019 min
 Lab File: BG064722.D
 Acq: 7 Nov 2025 18:56

Tgt Ion:202 Resp: 143068
 Ion Ratio Lower Upper
 202 100
 101 6.2 0.0 28.7
 203 16.6 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.829 min Scan# 31

Delta R.T. -0.030 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Instrument :

BNA_G

ClientSampleId :

WC-1A

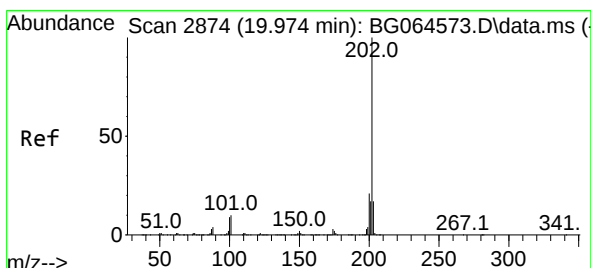
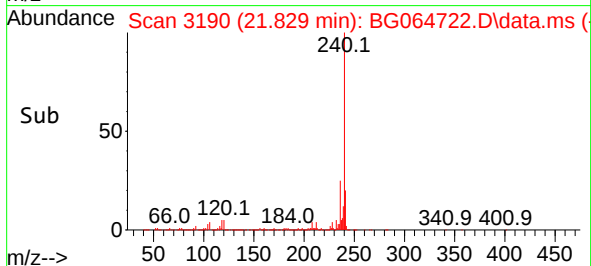
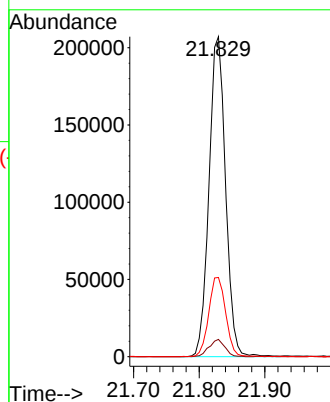
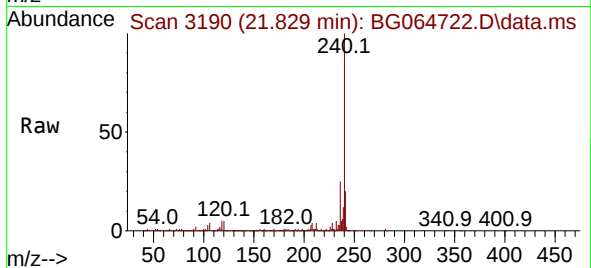
Tgt Ion:240 Resp: 363424

Ion Ratio Lower Upper

240 100

120 5.4 6.5 9.7#

236 24.7 20.2 30.2



#78

Pyrene

Concen: 5.705 ng

RT: 19.955 min Scan# 2871

Delta R.T. -0.019 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

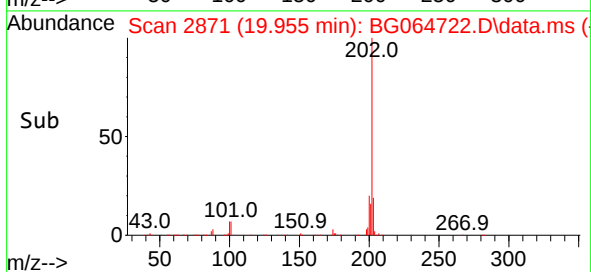
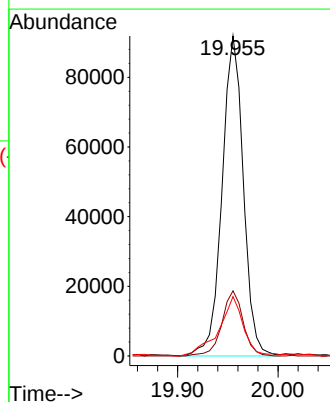
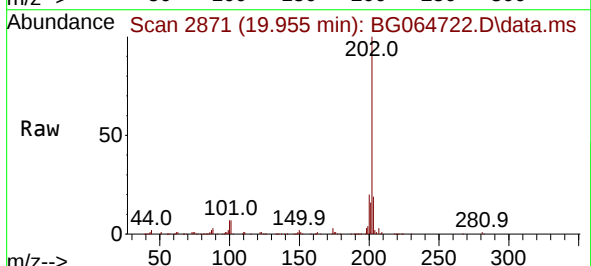
Tgt Ion:202 Resp: 135463

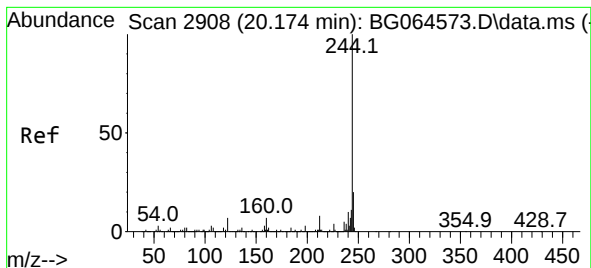
Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

203 18.5 13.8 20.6





#79

Terphenyl-d14

Concen: 34.658 ng

RT: 20.149 min Scan# 2904

Delta R.T. -0.025 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Instrument :

BNA_G

ClientSampleId :

WC-1A

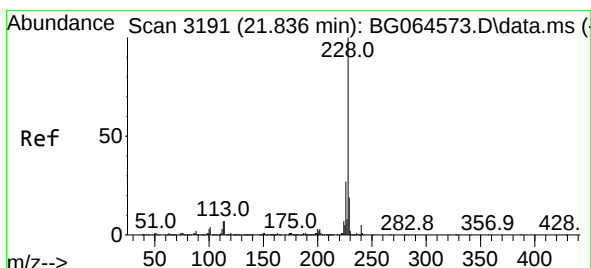
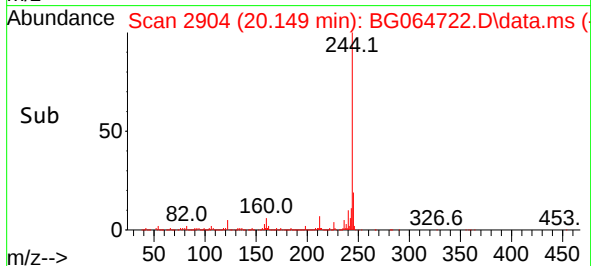
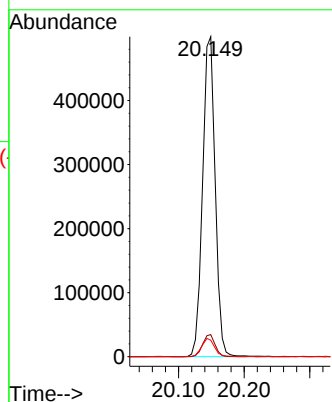
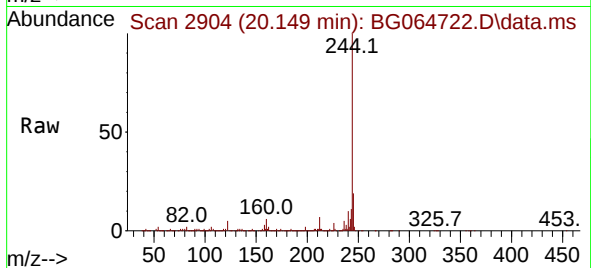
Tgt Ion:244 Resp: 667434

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 5.2 5.6 8.4#



#81

Benzo(a)anthracene

Concen: 3.057 ng

RT: 21.806 min Scan# 3186

Delta R.T. -0.030 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

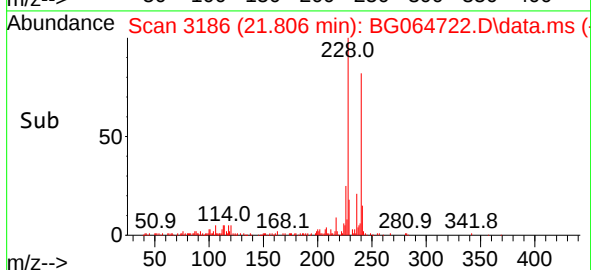
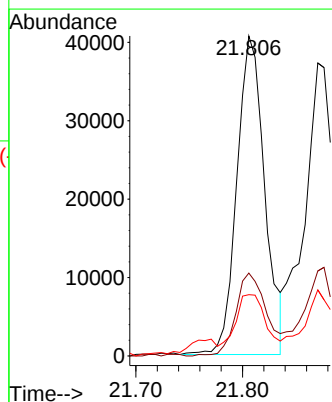
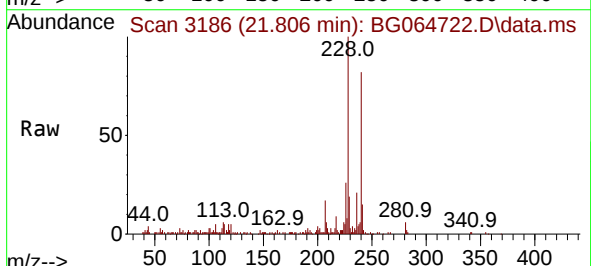
Tgt Ion:228 Resp: 73657

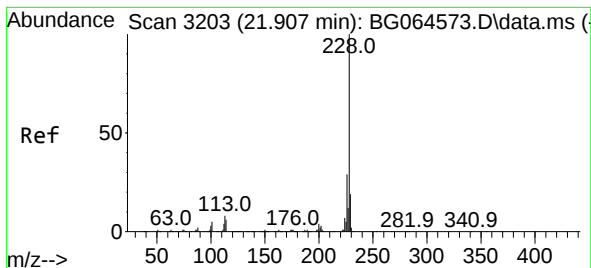
Ion Ratio Lower Upper

228 100

226 25.9 21.9 32.9

229 19.2 15.6 23.4





#83

Chrysene

Concen: 3.163 ng

RT: 21.871 min Scan# 31

Delta R.T. -0.036 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Instrument :

BNA_G

ClientSampleId :

WC-1A

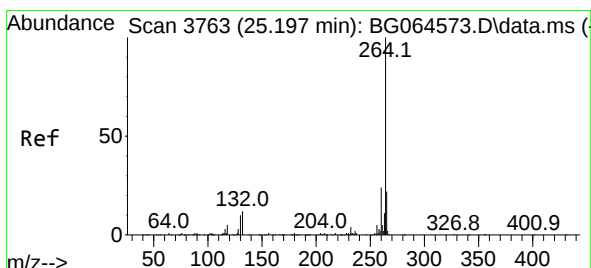
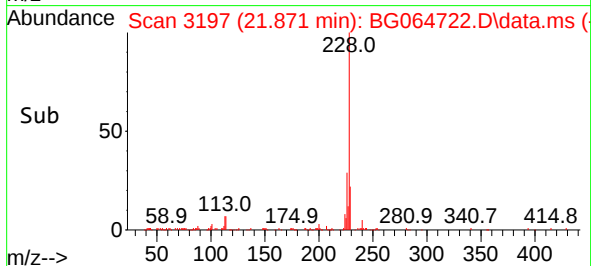
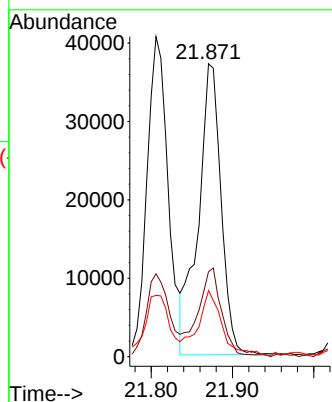
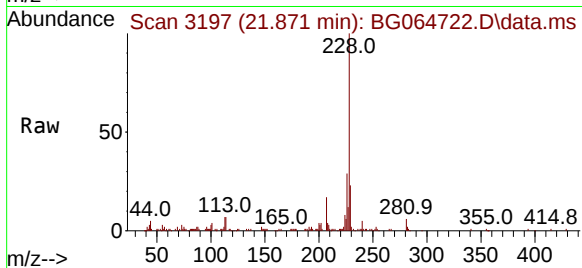
Tgt Ion:228 Resp: 72517

Ion Ratio Lower Upper

228 100

226 29.0 23.3 34.9

229 22.6 15.2 22.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.149 min Scan# 3755

Delta R.T. -0.048 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

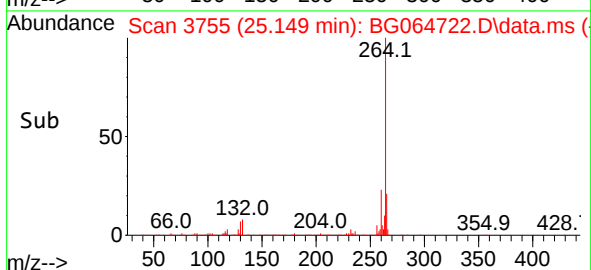
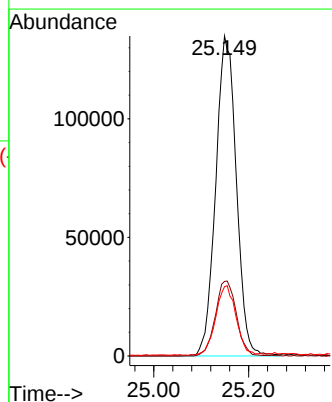
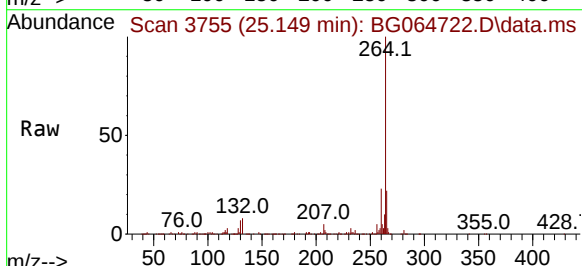
Tgt Ion:264 Resp: 406985

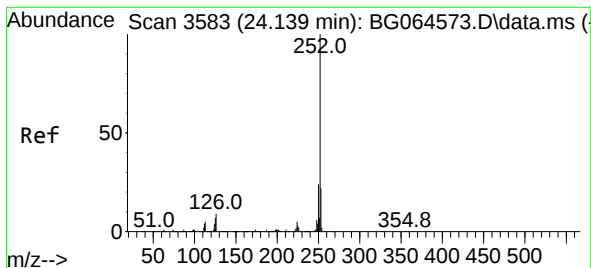
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.6 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 3.700 ng

RT: 24.097 min Scan# 3576

Delta R.T. -0.042 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

Instrument :

BNA_G

ClientSampleId :

WC-1A

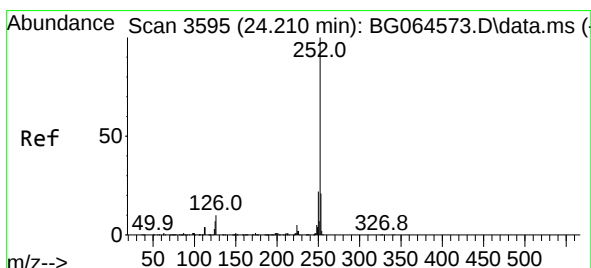
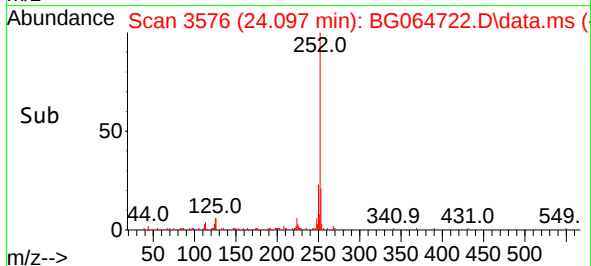
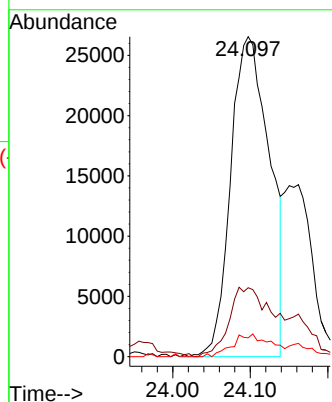
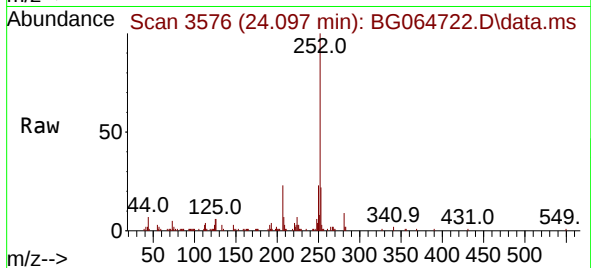
Tgt Ion:252 Resp: 92338

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 5.9 5.6 8.4



#89

Benzo(k)fluoranthene

Concen: 3.697 ng

RT: 24.097 min Scan# 3576

Delta R.T. -0.113 min

Lab File: BG064722.D

Acq: 7 Nov 2025 18:56

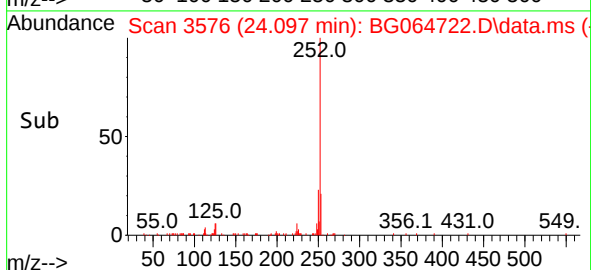
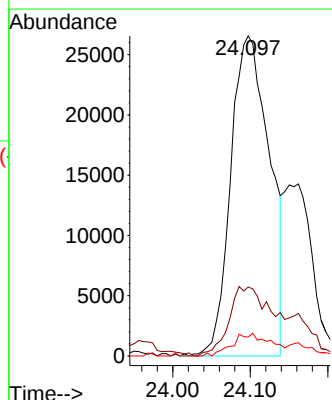
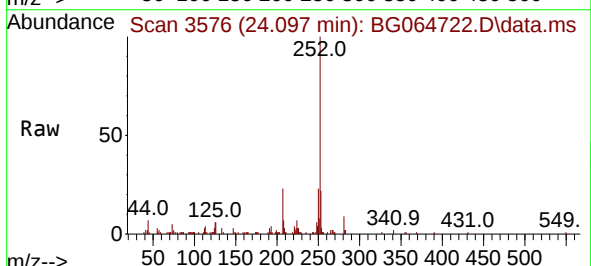
Tgt Ion:252 Resp: 92338

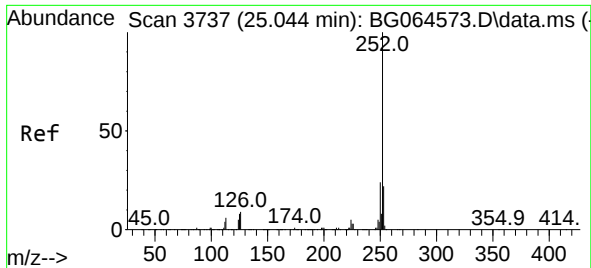
Ion Ratio Lower Upper

252 100

253 21.6 16.8 25.2

125 5.9 5.4 8.0





#90
 Benzo(a)pyrene
 Concen: 3.098 ng
 RT: 24.990 min Scan# 31
 Delta R.T. -0.054 min
 Lab File: BG064722.D
 Acq: 7 Nov 2025 18:56

Instrument :
 BNA_G
 ClientSampleId :
 WC-1A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	6.1	6.1	9.1

