

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092925\
 Data File : BG064470.D
 Acq On : 29 Sep 2025 22:03
 Operator : RC/JU
 Sample : Q3215-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WASTE

Quant Time: Sep 30 06:58:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG092525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 29 18:04:12 2025
 Response via : Initial Calibration

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

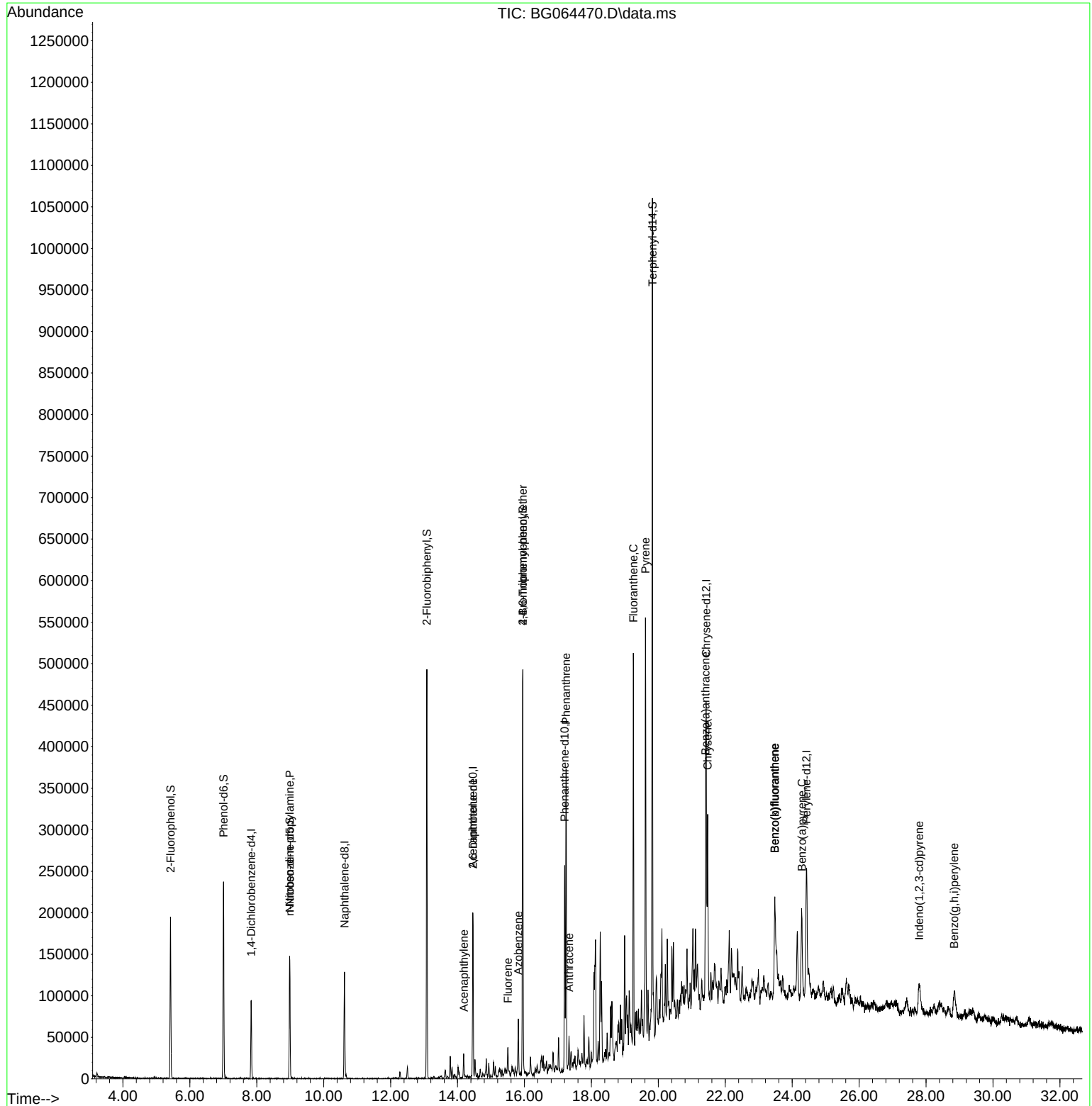
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	23491	20.000	ng	0.00
21) Naphthalene-d8	10.621	136	97197	20.000	ng	# 0.00
39) Acenaphthene-d10	14.457	164	68515	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	148242	20.000	ng	# 0.00
76) Chrysene-d12	21.426	240	160128	20.000	ng	0.00
86) Perylene-d12	24.428	264	172776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.421	112	76745	62.431	ng	0.00
7) Phenol-d6	7.007	99	109925	65.272	ng	0.00
23) Nitrobenzene-d5	8.981	82	77837	43.400	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	94909	79.348	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	236869	51.050	ng	0.00
79) Terphenyl-d14	19.822	244	468651	57.694	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.987	70	11599	10.190	ng	# 71
49) Acenaphthylene	14.187	152	20333	3.697	ng	# 95
51) 2,6-Dinitrotoluene	14.457	165	10278	9.349	ng	# 23
58) Fluorene	15.503	166	15213	2.953	ng	# 95
63) Azobenzene	15.815	77	15786	3.577	ng	# 1
67) 4-Bromophenyl-phenylether	15.950	248	6341	3.651	ng	# 1
71) Phenanthrene	17.242	178	218406	28.345	ng	99
72) Anthracene	17.330	178	26719	3.405	ng	99
75) Fluoranthene	19.258	202	282326	29.016	ng	98
78) Pyrene	19.616	202	319178	32.124	ng	99
81) Benzo(a)anthracene	21.408	228	135462	13.212	ng	# 97
83) Chrysene	21.473	228	154859	15.949	ng	# 96
87) Indeno(1,2,3-cd)pyrene	27.789	276	63623	5.210	ng	# 87
88) Benzo(b)fluoranthene	23.482	252	140762	14.212	ng	# 91
89) Benzo(k)fluoranthene	23.482	252	140762	14.205	ng	# 90
90) Benzo(a)pyrene	24.287	252	114010	12.426	ng	99
92) Benzo(g,h,i)perylene	28.840	276	70770	7.444	ng	# 93

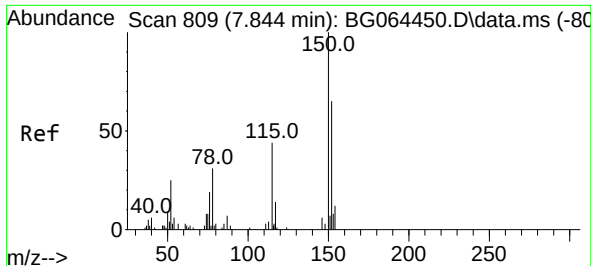
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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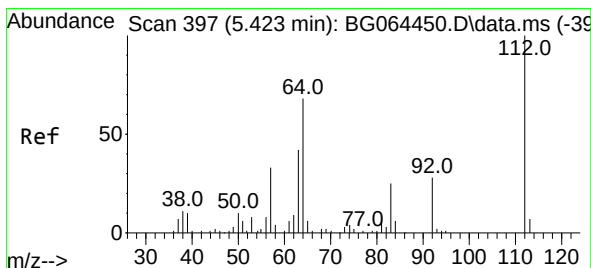
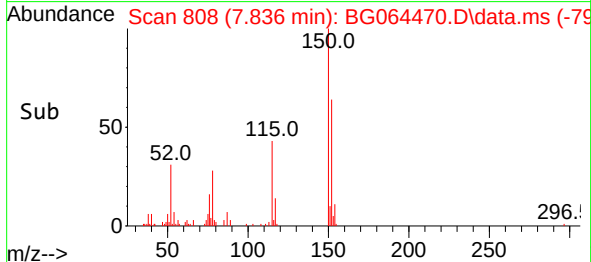
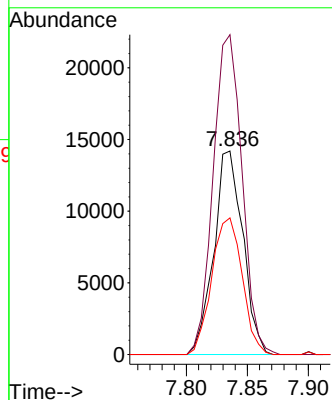
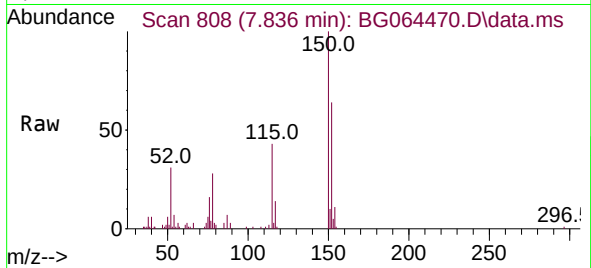




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.836 min Scan# 809
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

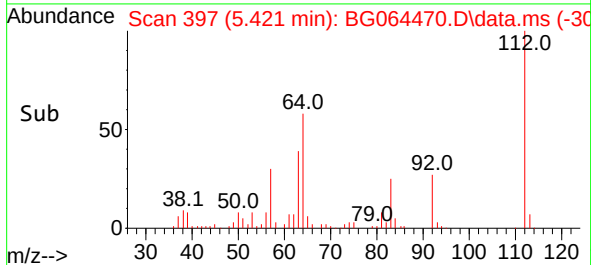
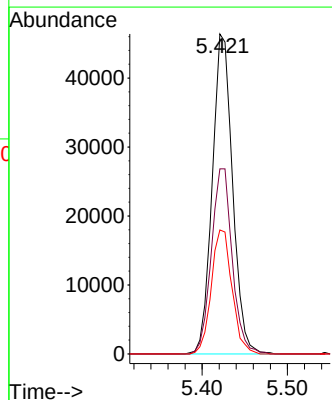
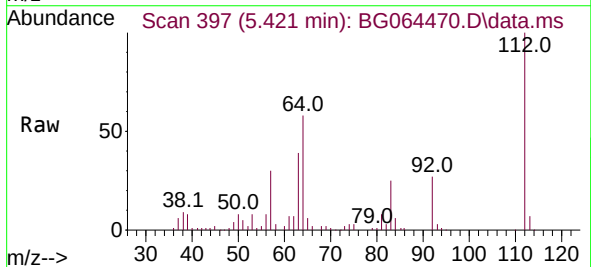
Instrument :
BNA_G
ClientSampleId :
WASTE

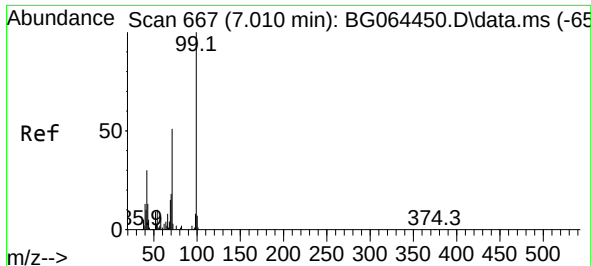
Tgt Ion:152 Resp: 23491
Ion Ratio Lower Upper
152 100
150 157.1 122.9 184.3
115 67.1 54.3 81.5



#5
2-Fluorophenol
Concen: 62.431 ng
RT: 5.421 min Scan# 397
Delta R.T. -0.002 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

Tgt Ion:112 Resp: 76745
Ion Ratio Lower Upper
112 100
64 57.8 54.0 81.0
63 38.7 33.8 50.6

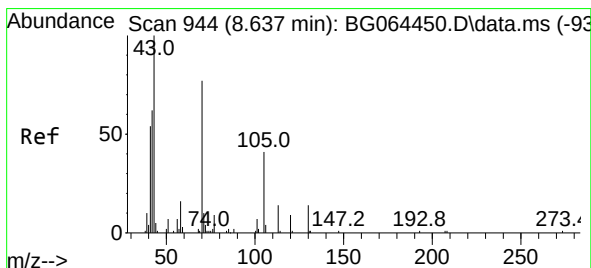
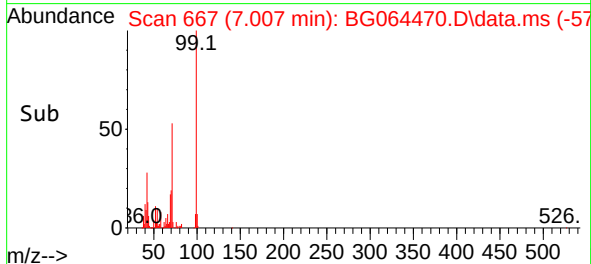
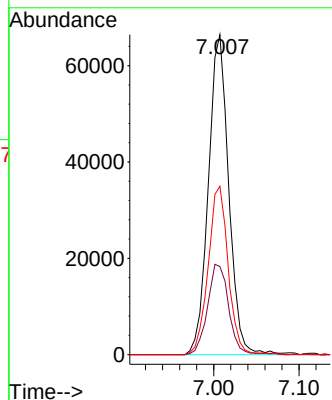
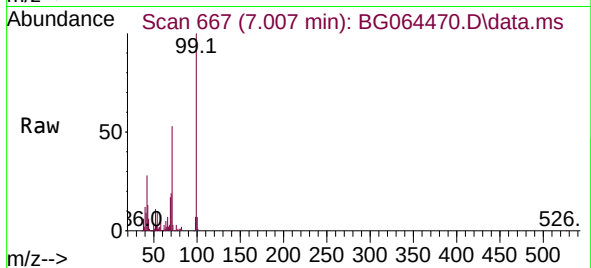




#7
Phenol-d6
Concen: 65.272 ng
RT: 7.007 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

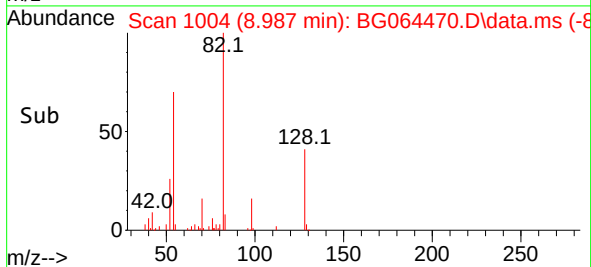
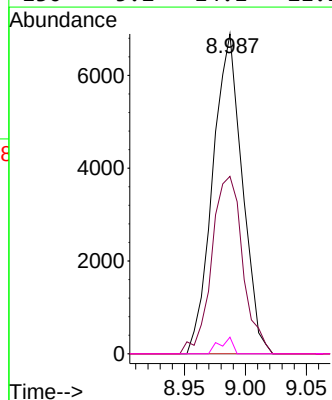
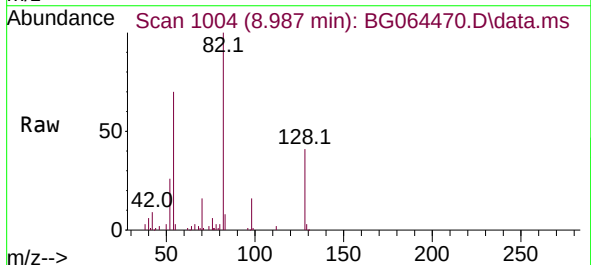
Instrument :
BNA_G
ClientSampleId :
WASTE

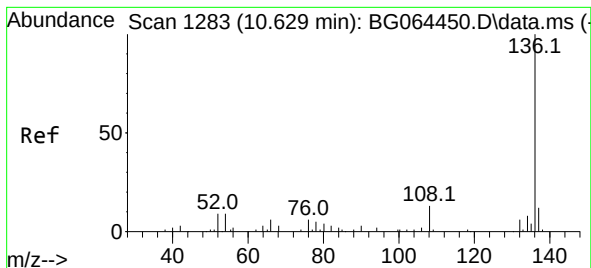
Tgt Ion: 99 Resp: 109925
Ion Ratio Lower Upper
99 100
42 27.5 24.0 36.0
71 52.6 40.5 60.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.190 ng
RT: 8.987 min Scan# 1004
Delta R.T. 0.350 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

Tgt Ion: 70 Resp: 11599
Ion Ratio Lower Upper
70 100
42 55.5 65.6 98.4#
101 0.0 7.7 11.5#
130 5.2 14.1 21.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.621 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

Instrument :

BNA_G

ClientSampleId :

WASTE

Tgt Ion:136 Resp: 97197

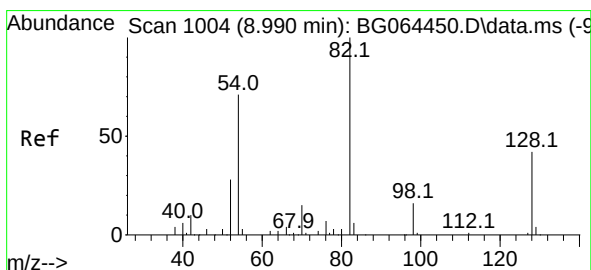
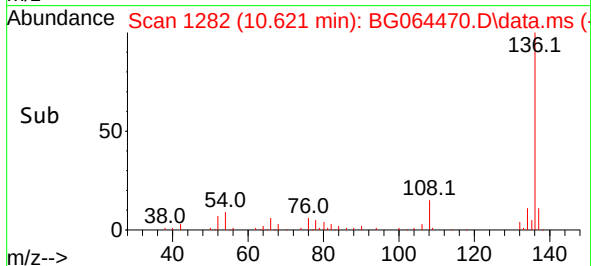
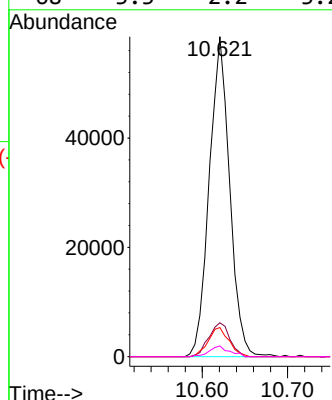
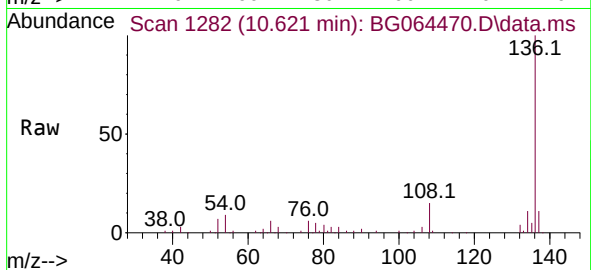
Ion Ratio Lower Upper

136 100

137 10.6 9.6 14.4

54 9.1 7.4 11.2

68 3.3 2.2 3.2#



#23

Nitrobenzene-d5

Concen: 43.400 ng

RT: 8.981 min Scan# 1003

Delta R.T. -0.008 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

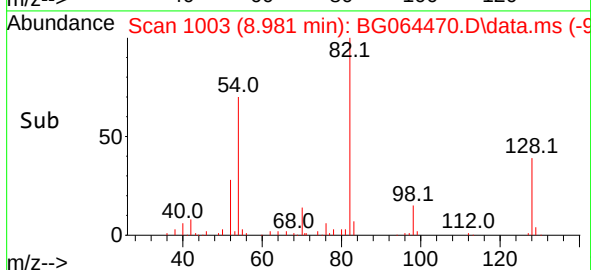
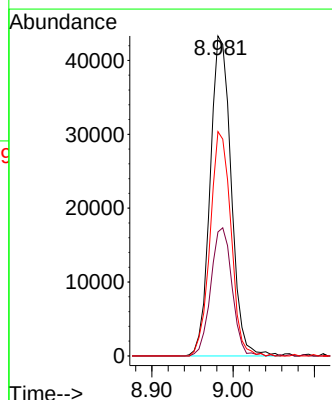
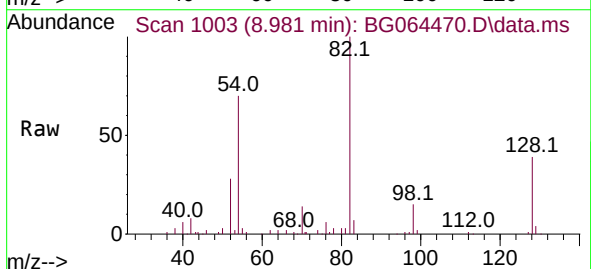
Tgt Ion: 82 Resp: 77837

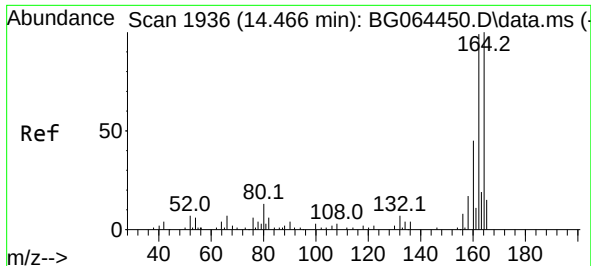
Ion Ratio Lower Upper

82 100

128 38.7 33.7 50.5

54 70.1 57.0 85.6

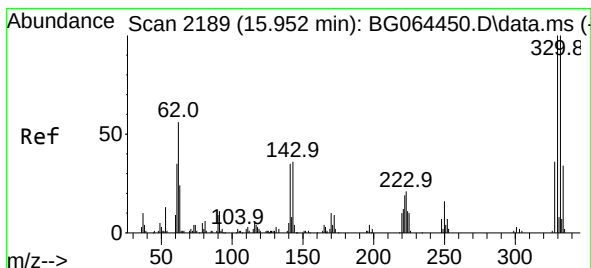
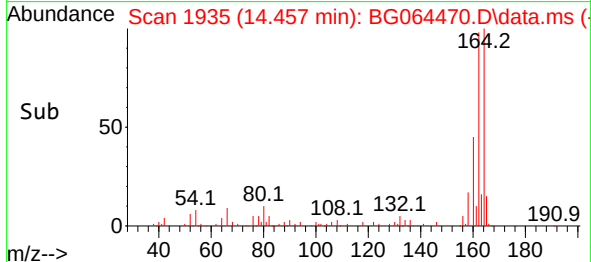
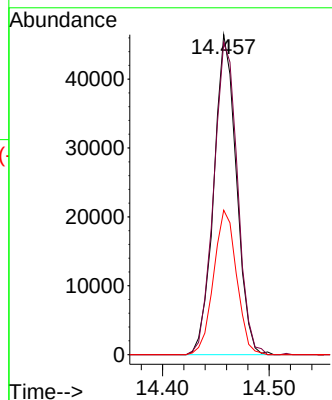
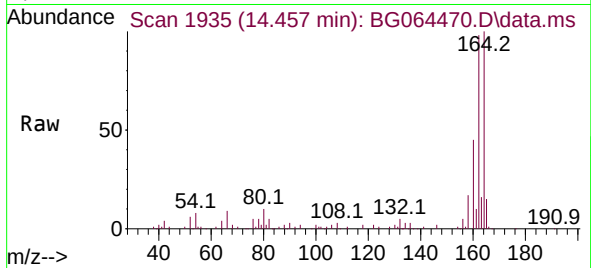




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

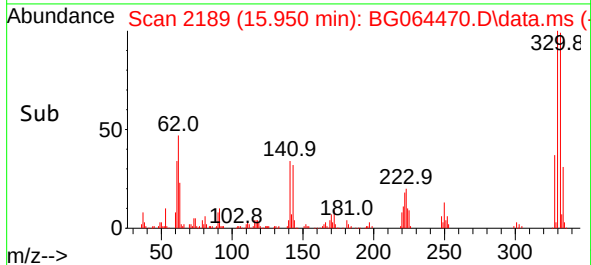
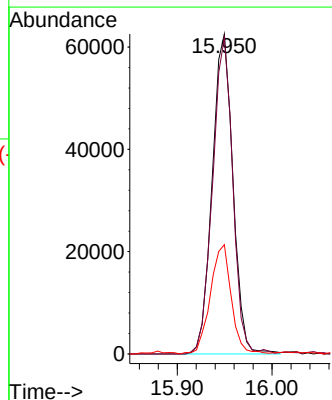
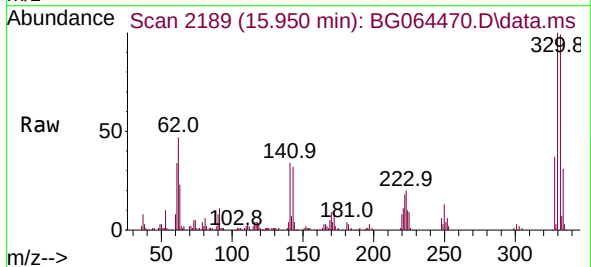
Instrument :
BNA_G
ClientSampleId :
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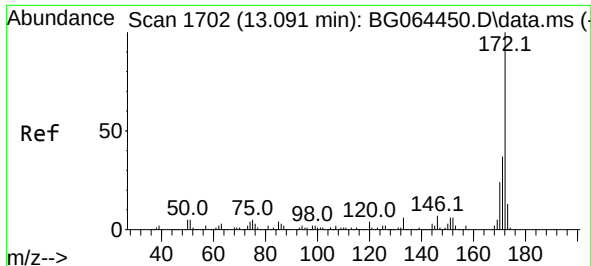
Tgt Ion:164 Resp: 68515
Ion Ratio Lower Upper
164 100
162 97.6 79.0 118.4
160 45.1 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 79.348 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.002 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

Tgt Ion:330 Resp: 94909
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 34.5 27.3 40.9

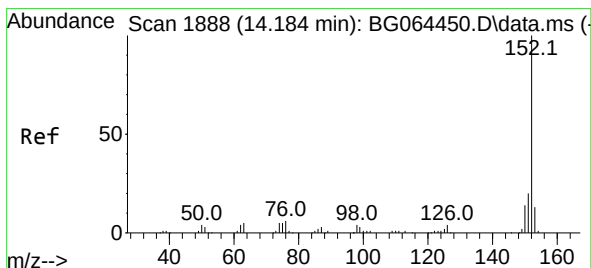
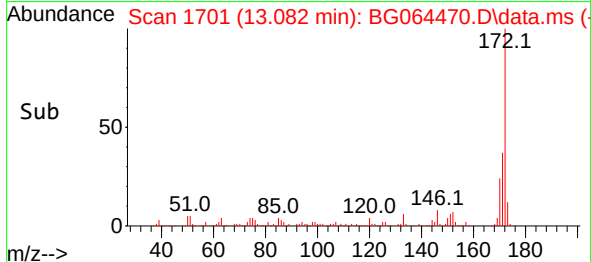
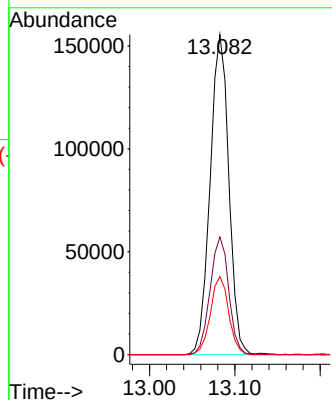
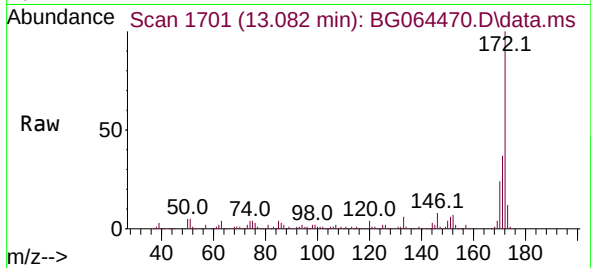




#45
2-Fluorobiphenyl
Concen: 51.050 ng
RT: 13.082 min Scan# 1702
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

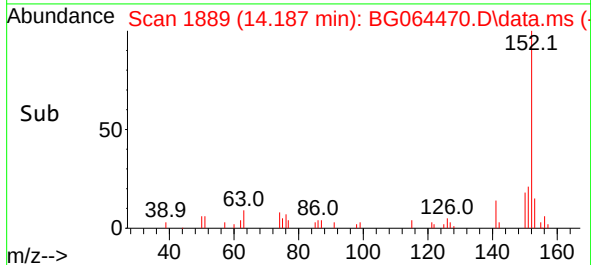
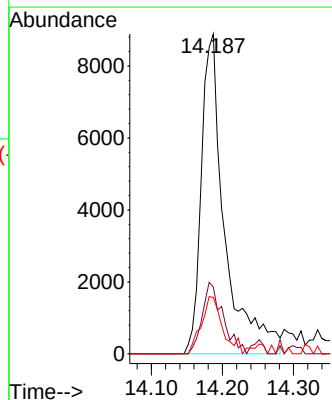
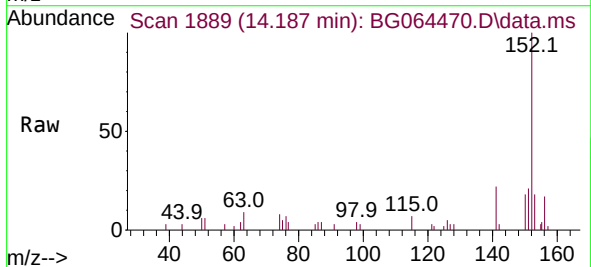
Instrument :
BNA_G
ClientSampleId :
WASTE

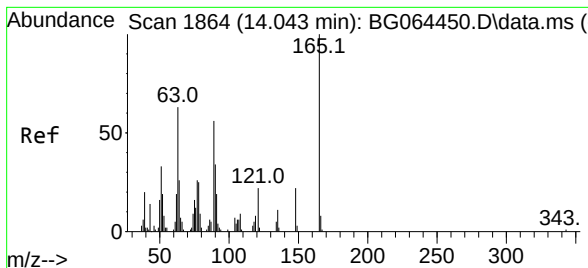
Tgt Ion:172 Resp: 236869
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.2
170 24.4 18.9 28.3



#49
Acenaphthylene
Concen: 3.697 ng
RT: 14.187 min Scan# 1889
Delta R.T. 0.003 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

Tgt Ion:152 Resp: 20333
Ion Ratio Lower Upper
152 100
151 20.9 16.3 24.5
153 17.7 10.6 16.0#

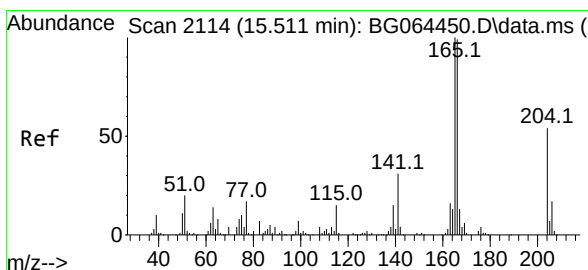
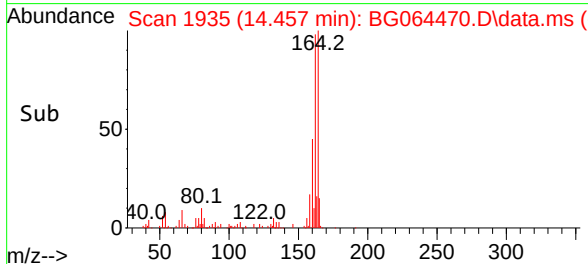
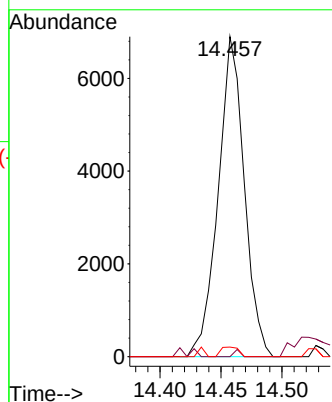
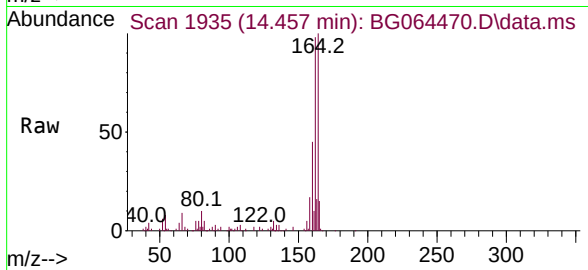




#51
2,6-Dinitrotoluene
Concen: 9.349 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.415 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

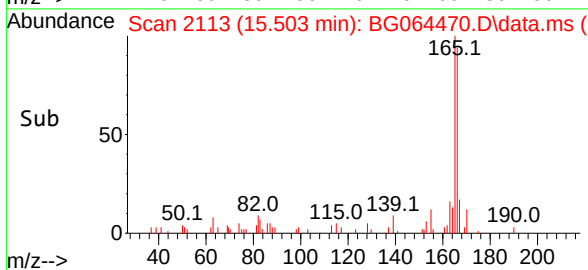
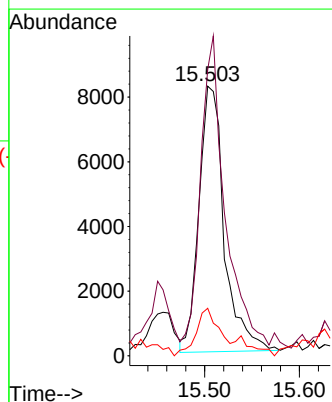
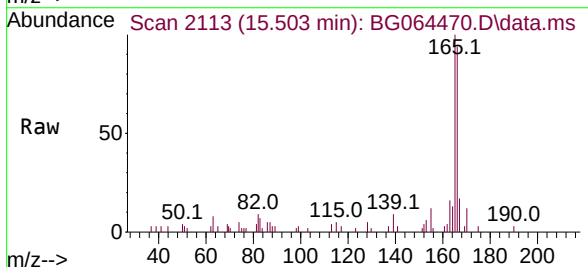
Instrument :
BNA_G
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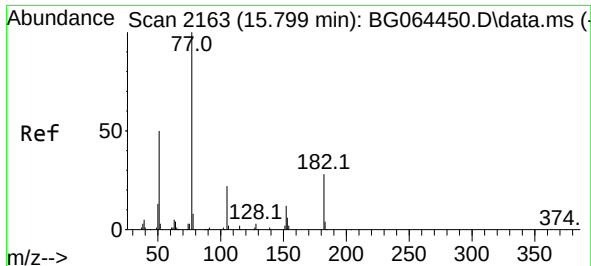
Tgt Ion:165 Resp: 10278
Ion Ratio Lower Upper
165 100
63 0.0 50.6 75.8#
89 3.0 44.6 67.0#



#58
Fluorene
Concen: 2.953 ng
RT: 15.503 min Scan# 2113
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

Tgt Ion:166 Resp: 15213
Ion Ratio Lower Upper
166 100
165 106.3 81.1 121.7
167 17.6 10.9 16.3#

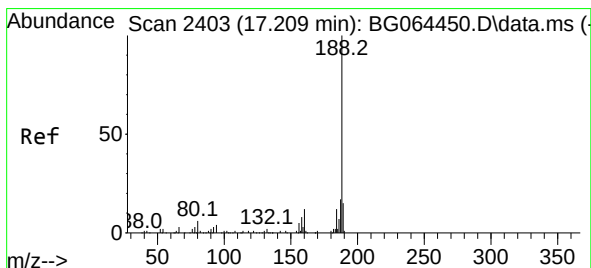
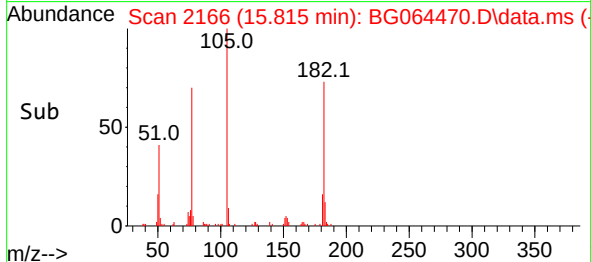
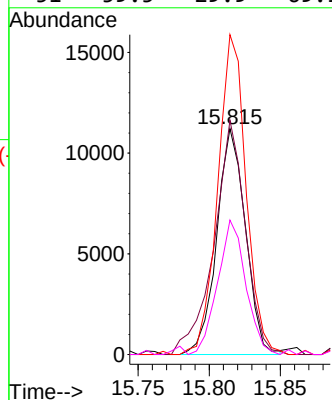
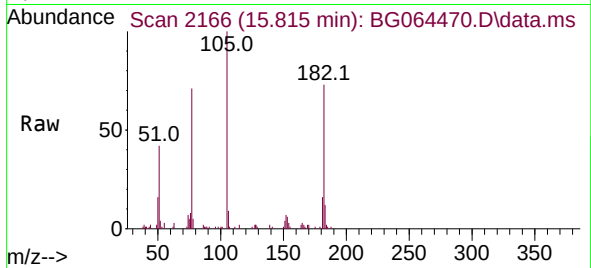




#63
 Azobenzene
 Concen: 3.577 ng
 RT: 15.815 min Scan# 2166
 Delta R.T. 0.015 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

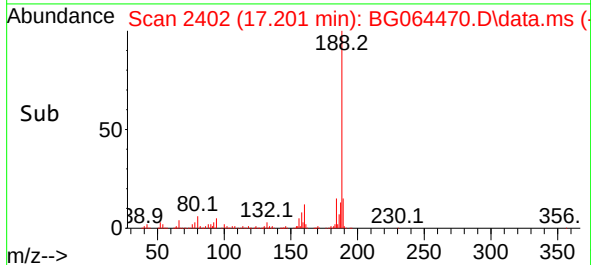
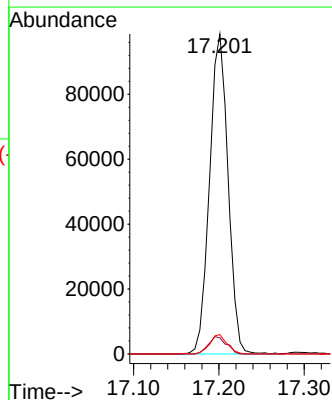
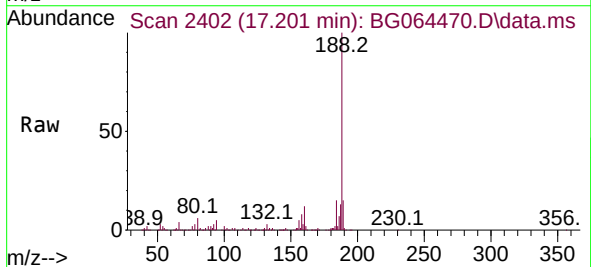
Instrument :
 BNA_G
 ClientSampleId :
 WASTE

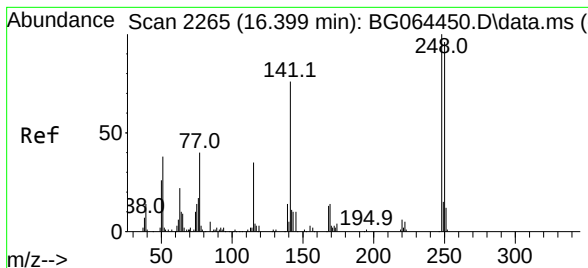
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Ion Ratio	Lower Upper
77 100	
182 103.7	8.1 48.1#
105 141.6	1.9 41.9#
51 59.5	29.9 69.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.201 min Scan# 2402
 Delta R.T. -0.008 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

Tgt Ion: 188	Resp: 148242
Ion Ratio	Lower Upper
188 100	
94 5.0	3.0 4.4#
80 6.0	4.9 7.3

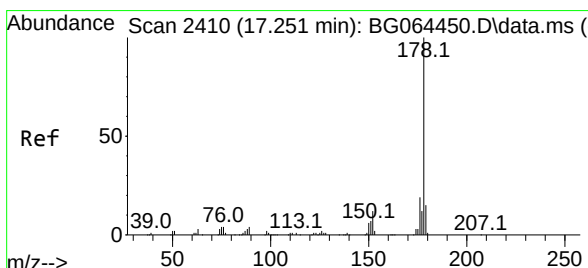
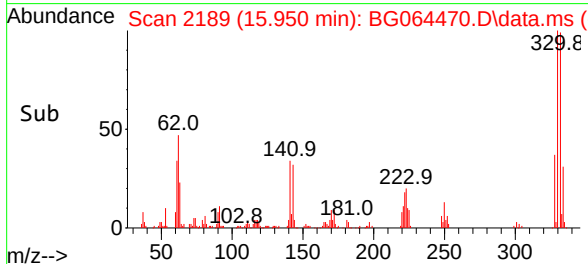
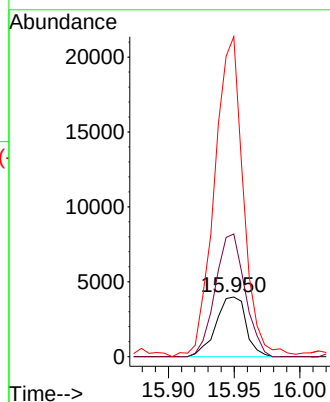
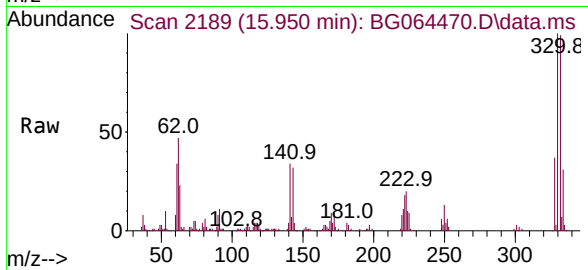




#67
4-Bromophenyl-phenylether
Concen: 3.651 ng
RT: 15.950 min Scan# 2119
Delta R.T. -0.449 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

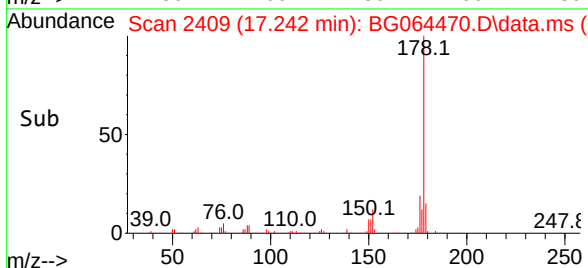
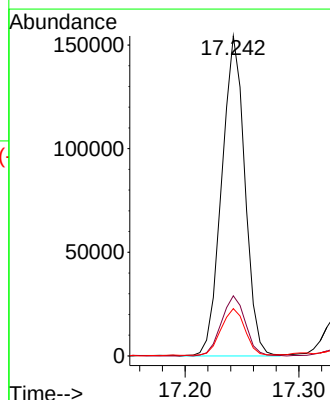
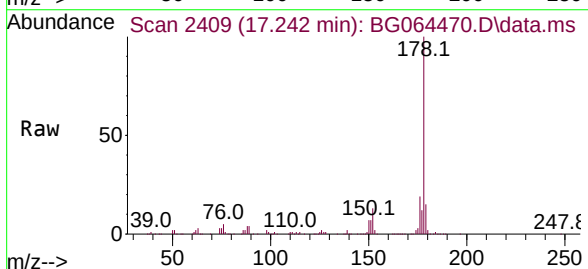
Instrument :
BNA_G
ClientSampleId :
WASTE

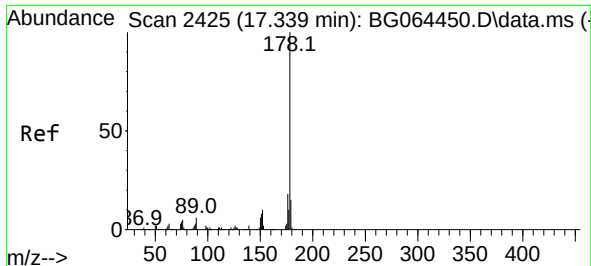
Tgt Ion:248 Resp: 6341
Ion Ratio Lower Upper
248 100
250 205.8 77.0 115.6#
141 537.3 61.1 91.7#



#71
Phenanthrene
Concen: 28.345 ng
RT: 17.242 min Scan# 2409
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

Tgt Ion:178 Resp: 218406
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 14.8 12.4 18.6

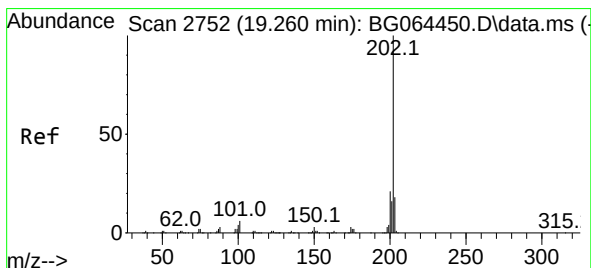
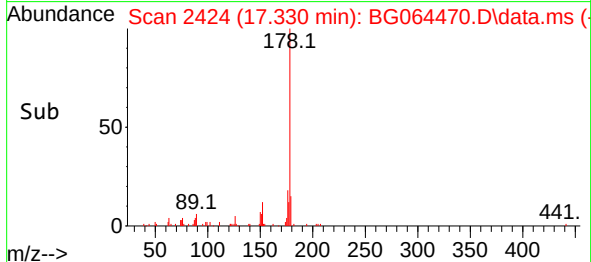
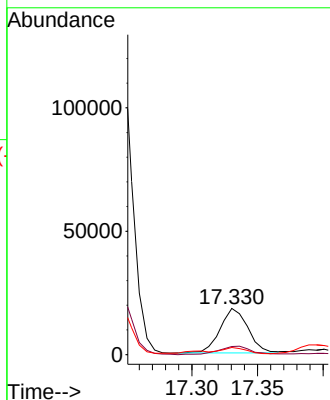
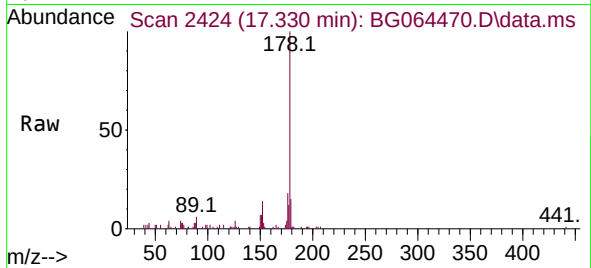




#72
 Anthracene
 Concen: 3.405 ng
 RT: 17.330 min Scan# 2425
 Delta R.T. -0.008 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

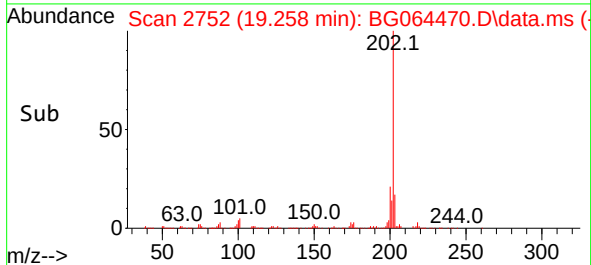
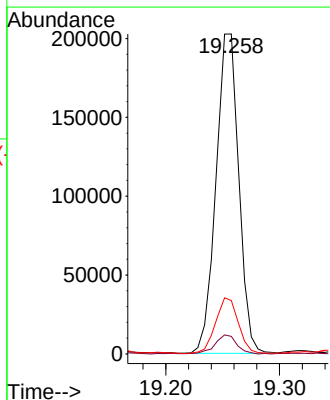
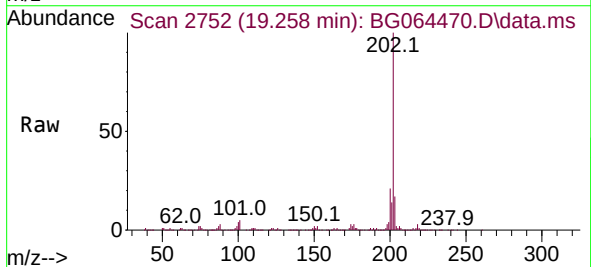
Instrument :
 BNA_G
 ClientSampleId :
 WASTE

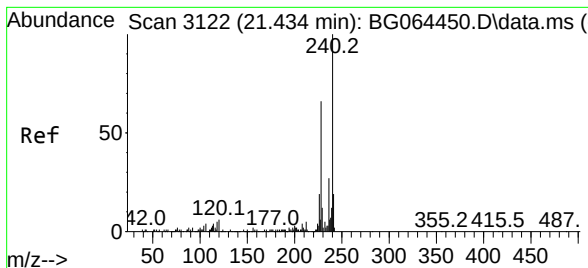
Tgt Ion:178 Resp: 26719
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.5 21.7
 179 15.3 11.9 17.9



#75
 Fluoranthene
 Concen: 29.016 ng
 RT: 19.258 min Scan# 2752
 Delta R.T. -0.002 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

Tgt Ion:202 Resp: 282326
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.6
 203 16.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.426 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

Instrument :

BNA_G

ClientSampleId :

WASTE

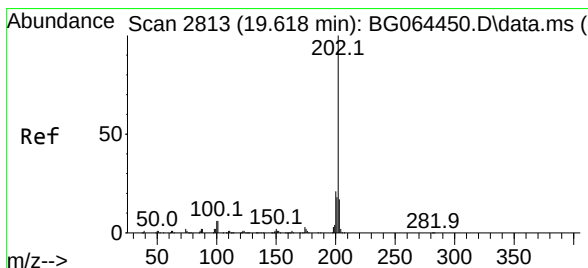
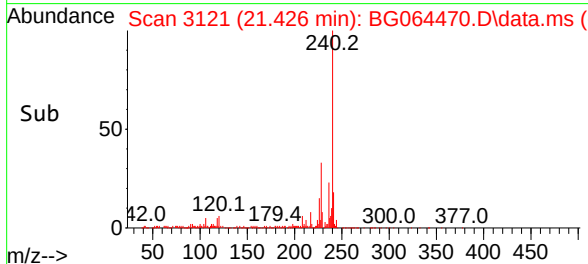
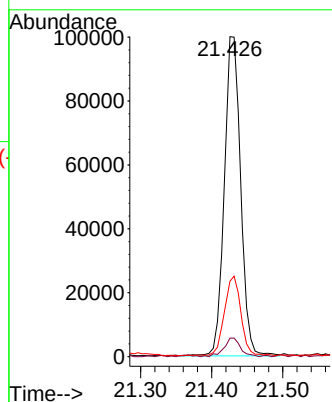
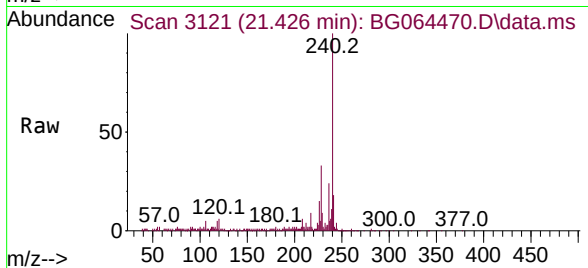
Tgt Ion:240 Resp: 160128

Ion Ratio Lower Upper

240 100

120 5.8 5.0 7.4

236 23.6 21.9 32.9



#78

Pyrene

Concen: 32.124 ng

RT: 19.616 min Scan# 2813

Delta R.T. -0.002 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

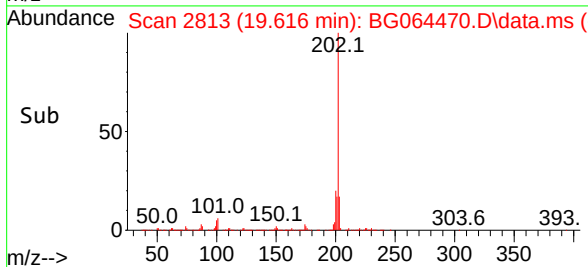
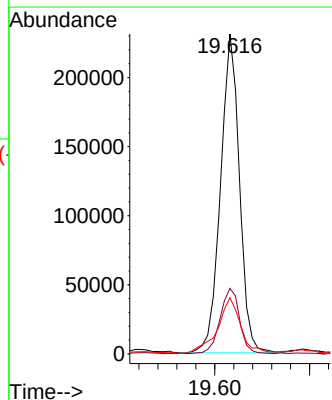
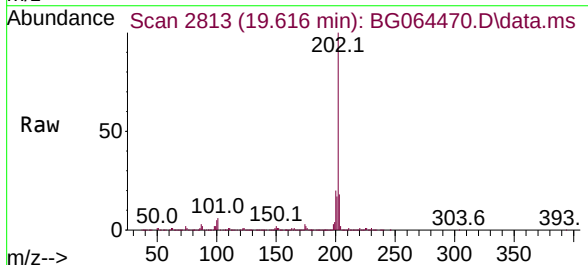
Tgt Ion:202 Resp: 319178

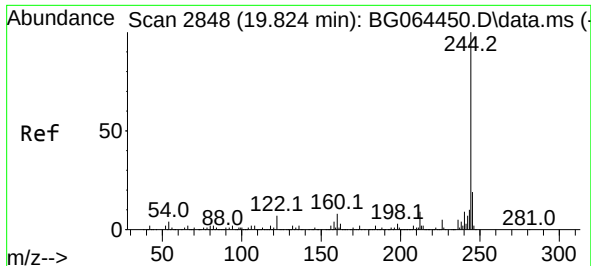
Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.5 13.8 20.6

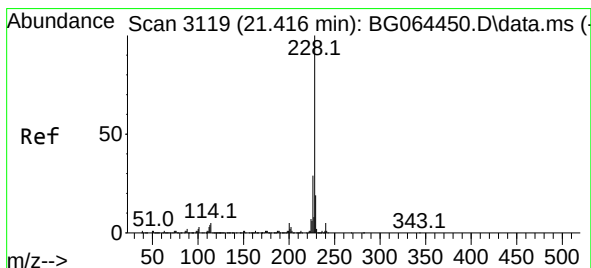
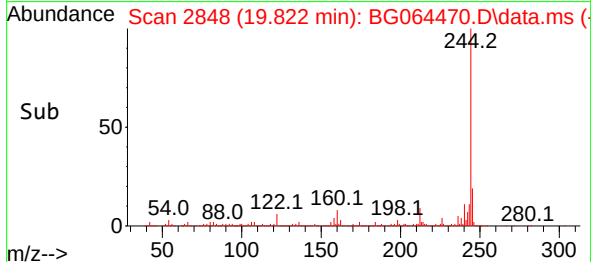
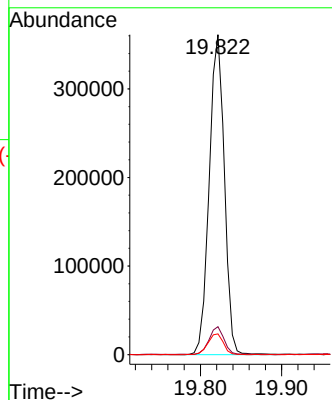
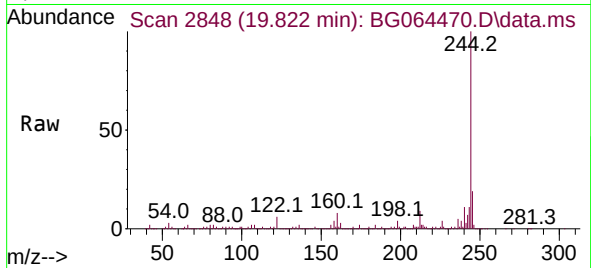




#79
 Terphenyl-d14
 Concen: 57.694 ng
 RT: 19.822 min Scan# 2848
 Delta R.T. -0.002 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

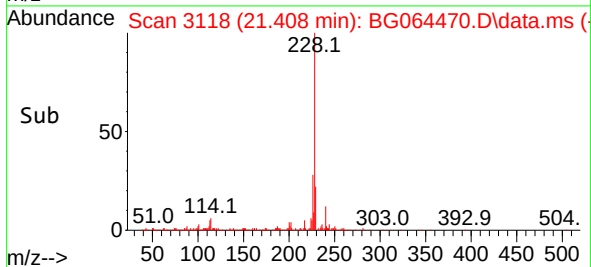
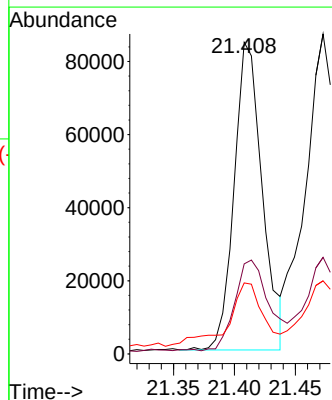
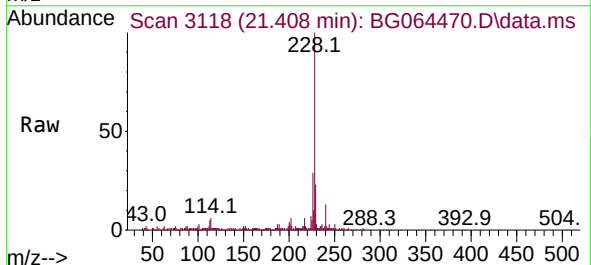
Instrument :
 BNA_G
 ClientSampleId :
 WASTE

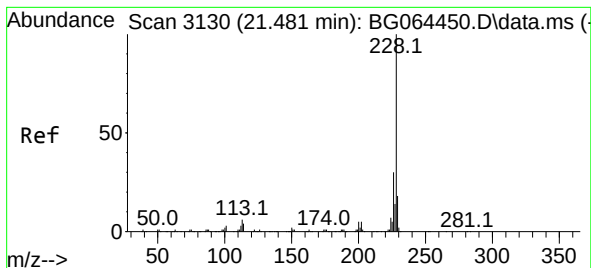
Tgt Ion:244 Resp: 468651
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.2 10.8
 122 6.5 5.7 8.5



#81
 Benzo(a)anthracene
 Concen: 13.212 ng
 RT: 21.408 min Scan# 3118
 Delta R.T. -0.008 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

Tgt Ion:228 Resp: 135462
 Ion Ratio Lower Upper
 228 100
 226 28.9 23.0 34.6
 229 22.8 15.1 22.7#





#83

Chrysene

Concen: 15.949 ng

RT: 21.473 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

Instrument :

BNA_G

ClientSampleId :

WASTE

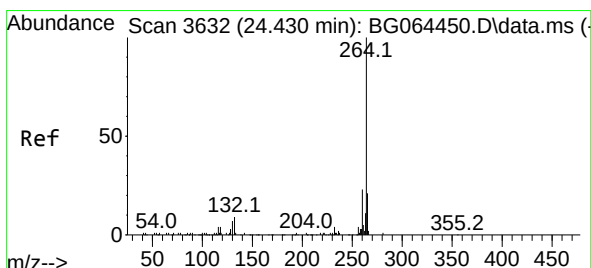
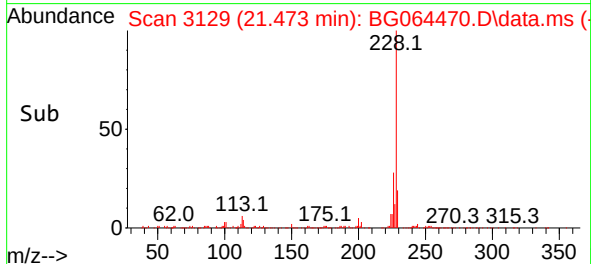
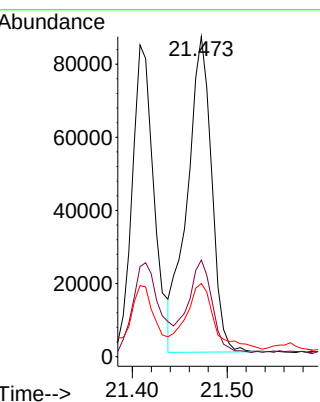
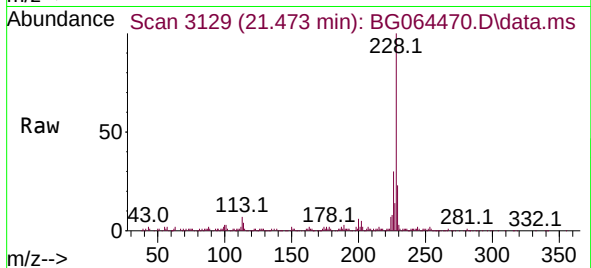
Tgt Ion:228 Resp: 154859

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 22.9 14.7 22.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.428 min Scan# 3632

Delta R.T. -0.002 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

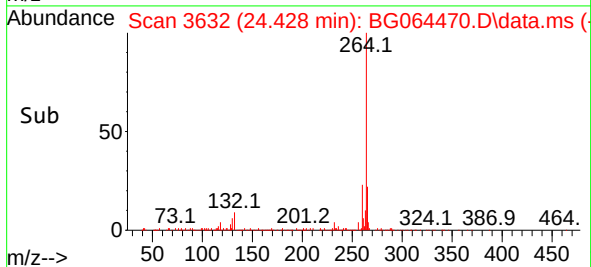
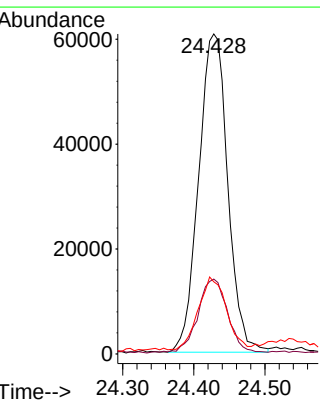
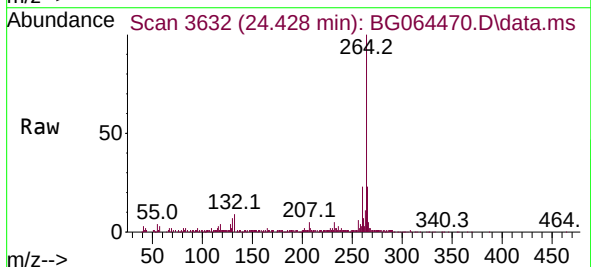
Tgt Ion:264 Resp: 172776

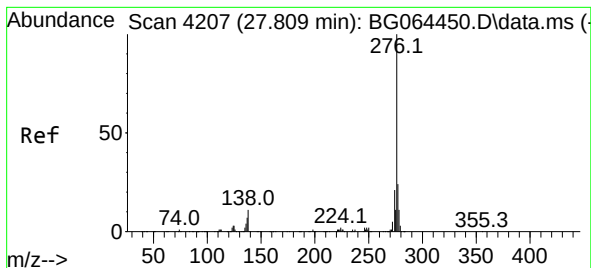
Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 22.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.210 ng

RT: 27.789 min Scan# 41

Delta R.T. -0.020 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

Instrument :

BNA_G

ClientSampleId :

WASTE

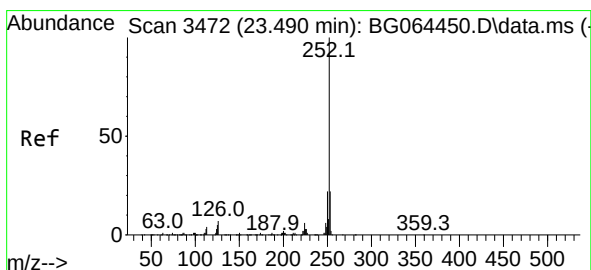
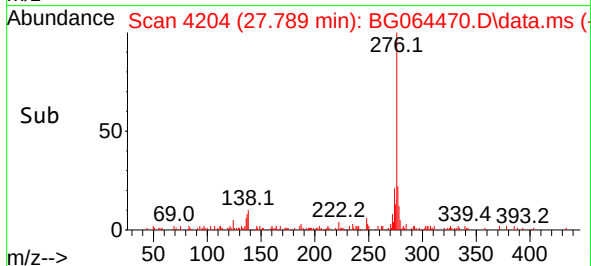
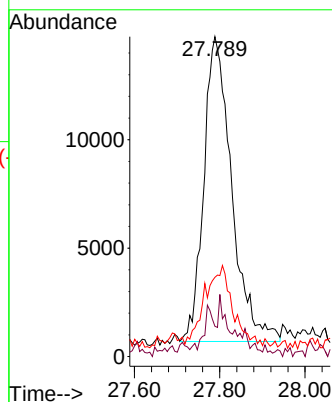
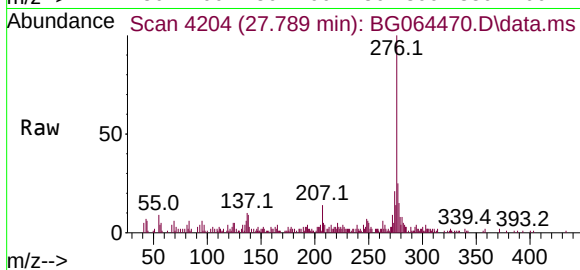
Tgt Ion:276 Resp: 63623

Ion Ratio Lower Upper

276 100

138 2.2 10.3 15.5#

277 26.7 19.2 28.8



#88

Benzo(b)fluoranthene

Concen: 14.212 ng

RT: 23.482 min Scan# 3471

Delta R.T. -0.008 min

Lab File: BG064470.D

Acq: 29 Sep 2025 22:03

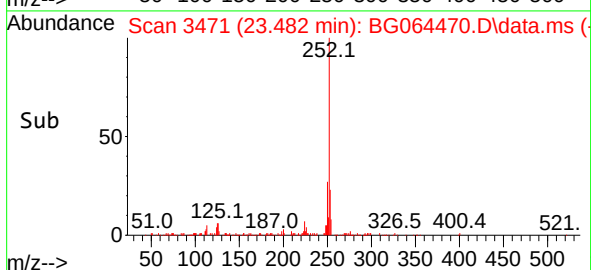
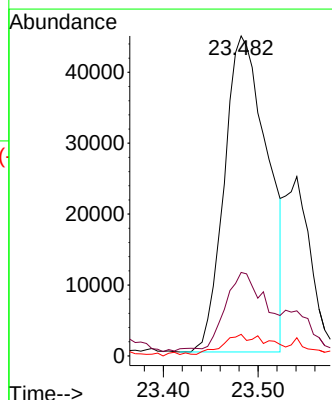
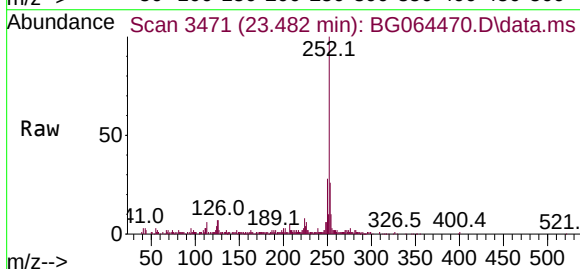
Tgt Ion:252 Resp: 140762

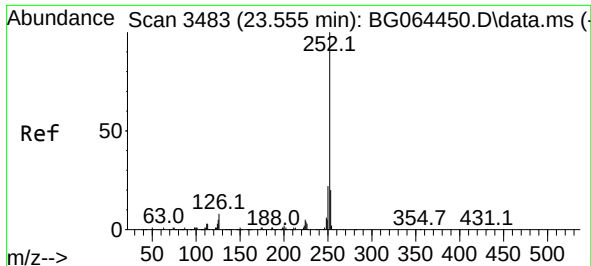
Ion Ratio Lower Upper

252 100

253 26.1 17.3 25.9#

125 6.7 4.2 6.2#

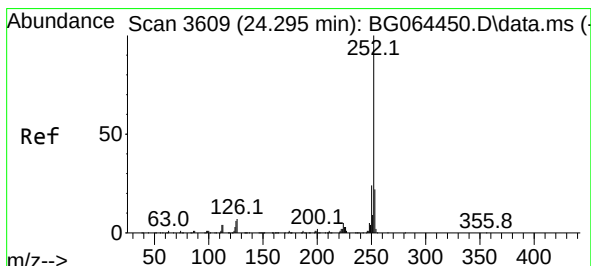
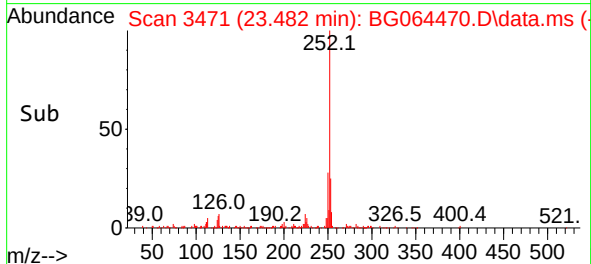
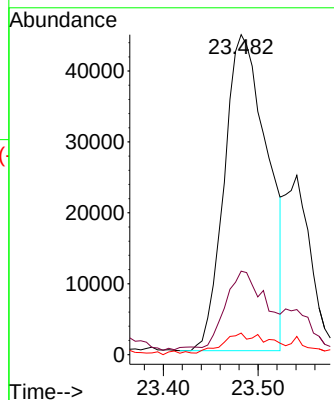
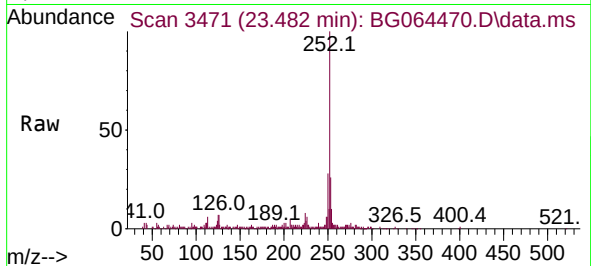




#89
Benzo(k)fluoranthene
Concen: 14.205 ng
RT: 23.482 min Scan# 34
Delta R.T. -0.073 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

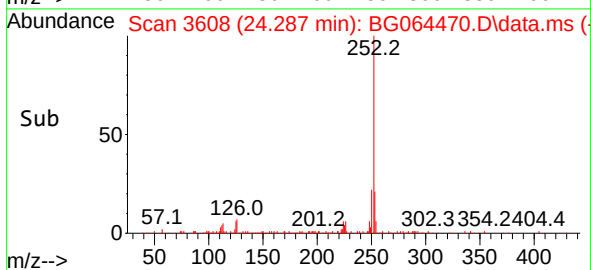
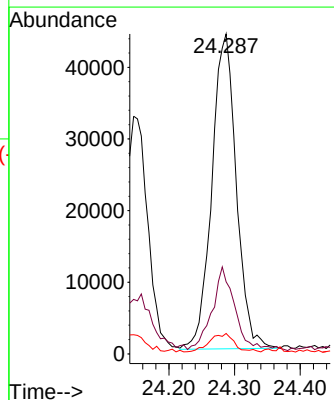
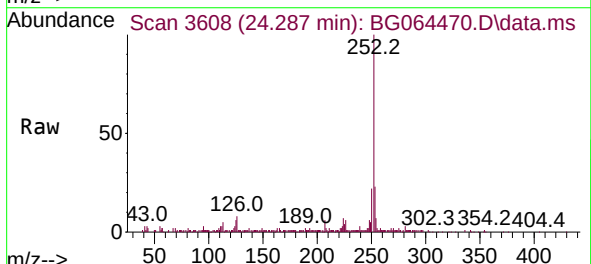
Instrument :
BNA_G
ClientSampleId :
WASTE

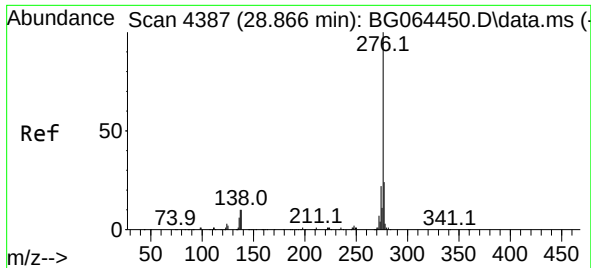
Tgt Ion:252 Resp: 140762
Ion Ratio Lower Upper
252 100
253 26.1 16.6 24.8#
125 6.7 4.4 6.6#



#90
Benzo(a)pyrene
Concen: 12.426 ng
RT: 24.287 min Scan# 3608
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

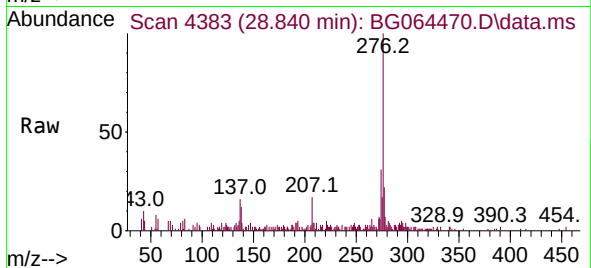
Tgt Ion:252 Resp: 114010
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 6.4 4.6 7.0





#92
 Benzo(g,h,i)perylene
 Concen: 7.444 ng
 RT: 28.840 min Scan# 4383
 Delta R.T. -0.026 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

Instrument :
 BNA_G
 ClientSampleId :
 WASTE



Tgt Ion:276 Resp: 70770
 Ion Ratio Lower Upper
 276 100
 277 22.0 19.3 28.9
 138 15.8 8.2 12.4#

