

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)

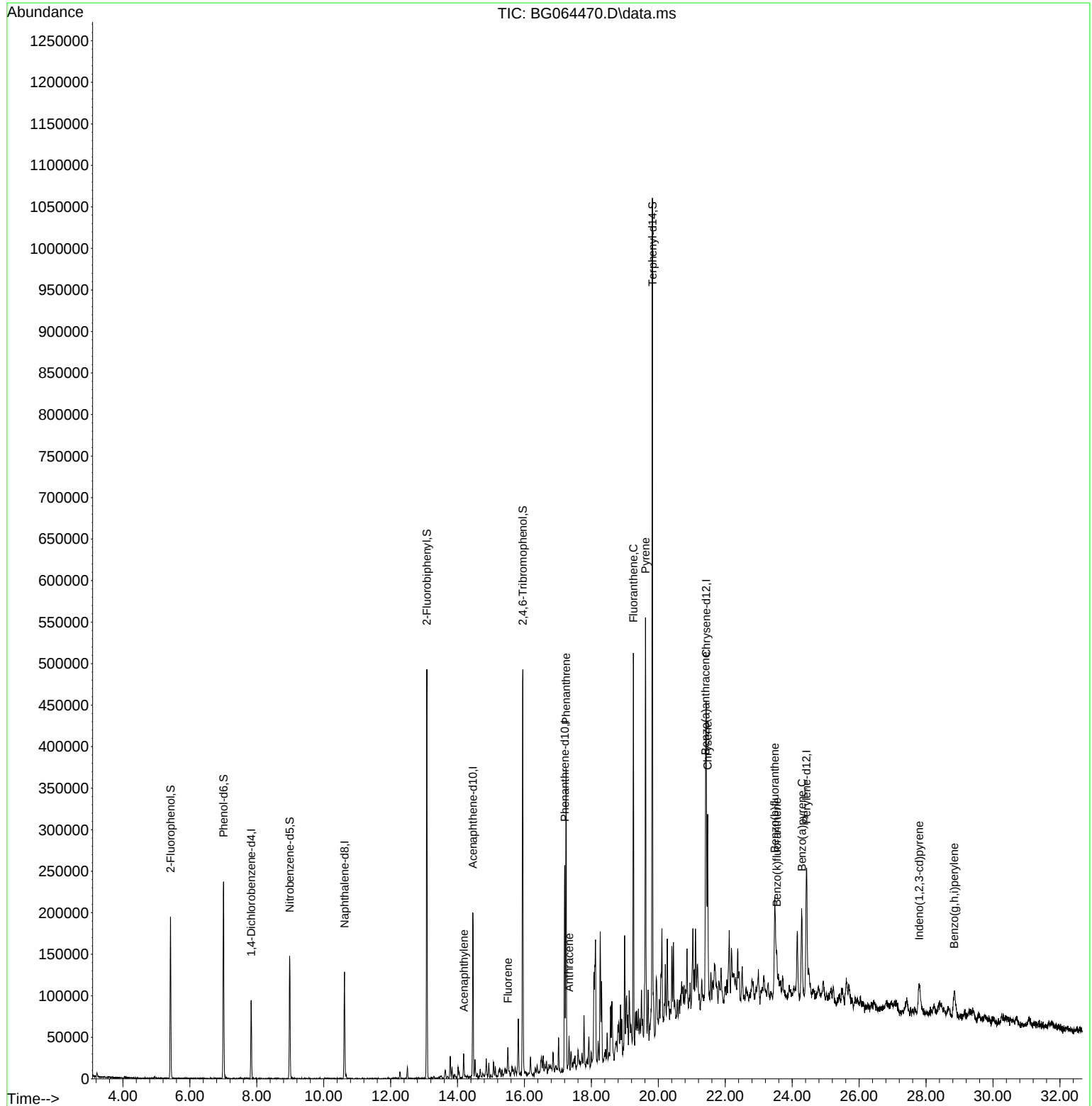
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	23491	20.000	ng	0.00
21) Naphthalene-d8	10.621	136	97197	20.000	ng	# 0.00
39) Acenaphthene-d10	14.457	164	68515	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	148242	20.000	ng	# 0.00
76) Chrysene-d12	21.426	240	160128	20.000	ng	0.00
86) Perylene-d12	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
49) Acenaphthylene	14.187	152	20333	3.697	ng	# 95
58) Fluorene	15.503	166	15213	2.953	ng	# 95
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	23.541	252	47731m	4.817	ng	
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

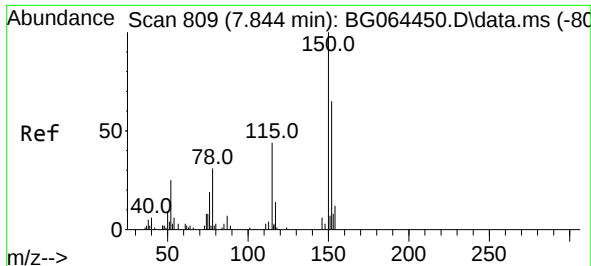
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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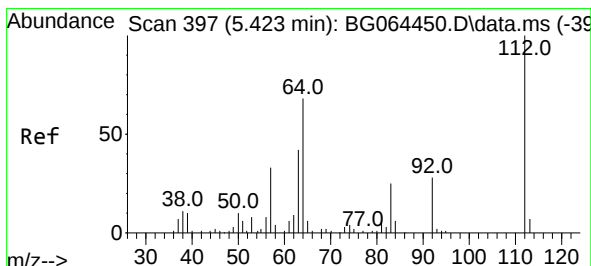
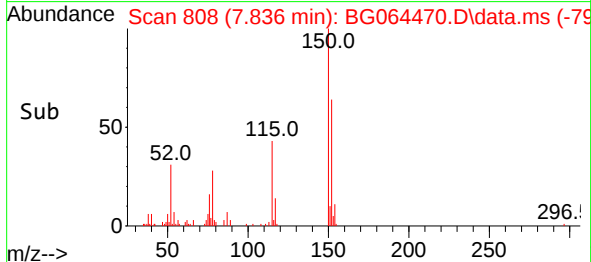
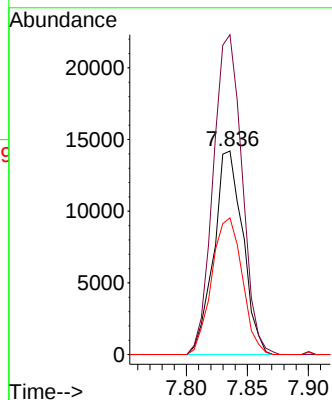
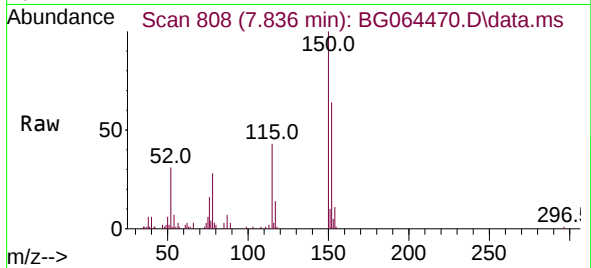




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.836 min Scan# 809
 Delta R.T. -0.008 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

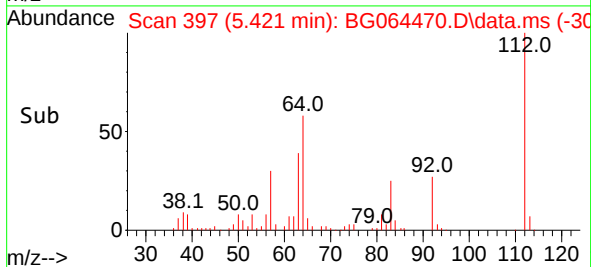
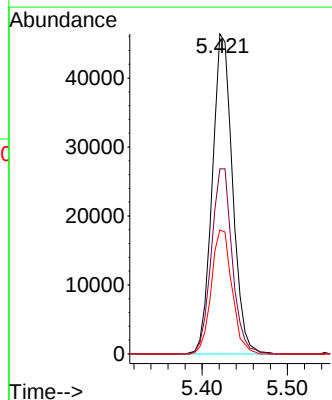
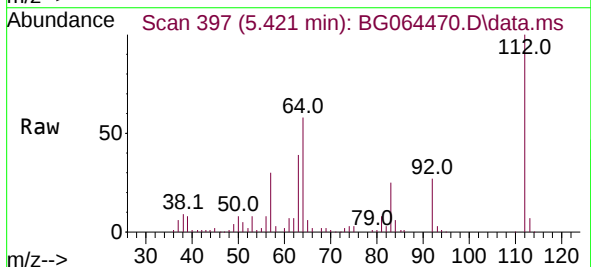
Instrument :
 BNA_G
 ClientSampleId :
 WASTE

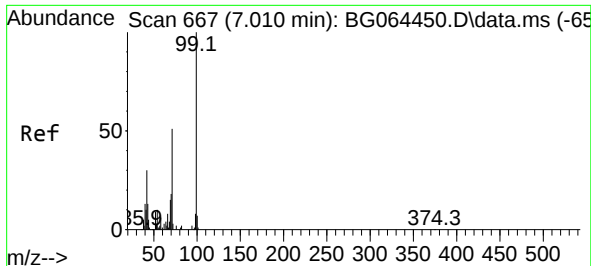
Tgt Ion:152 Resp: 23491
 Ion Ratio Lower Upper
 152 100
 150 157.1 122.9 184.3
 115 67.1 54.3 81.5



#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

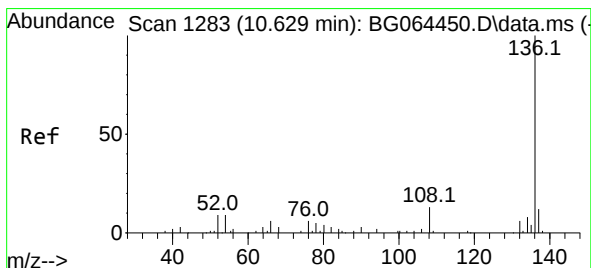
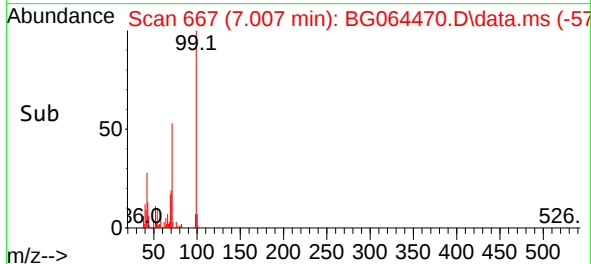
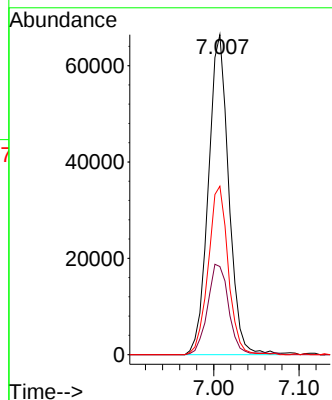
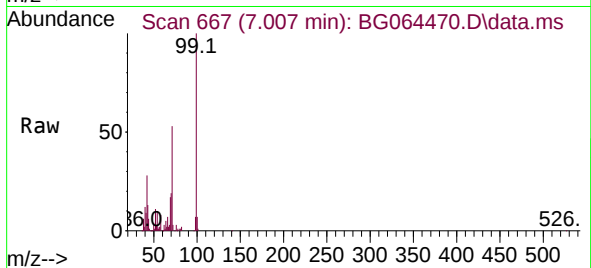




#7
Phenol-d6
Concen: 65.272 ng
RT: 7.007 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

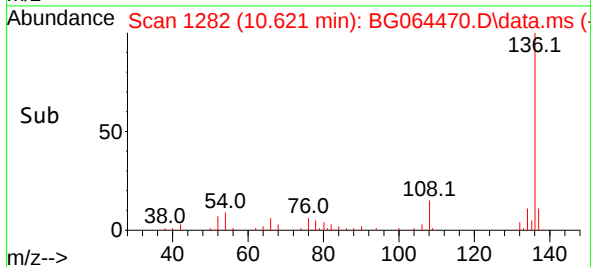
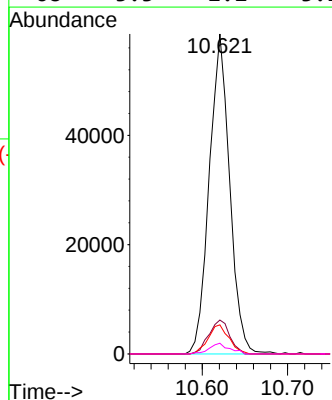
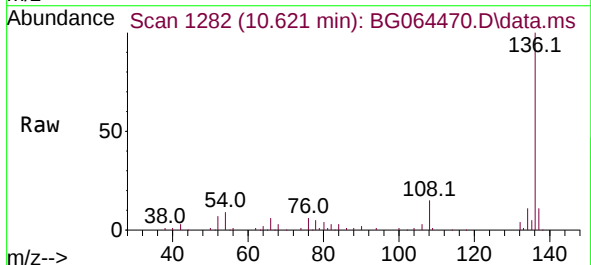
Instrument :
BNA_G
ClientSampleId :
WASTE

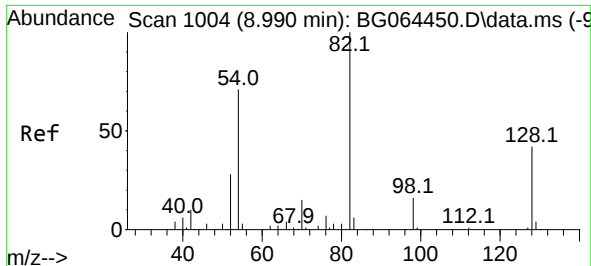
Tgt Ion: 99 Resp: 109925
Ion Ratio Lower Upper
99 100
42 27.5 24.0 36.0
71 52.6 40.5 60.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.621 min Scan# 1282
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

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

Instrument :

BNA_G

ClientSampleId :

WASTE

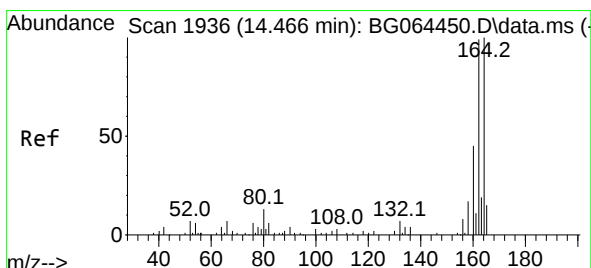
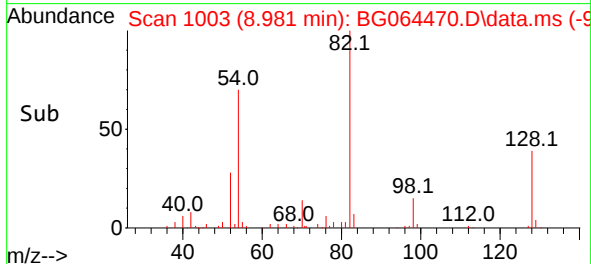
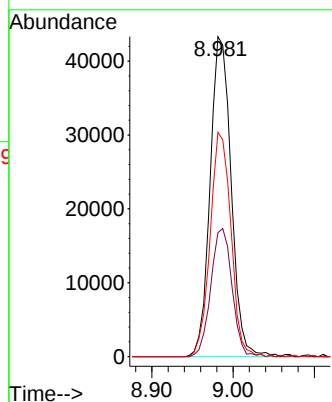
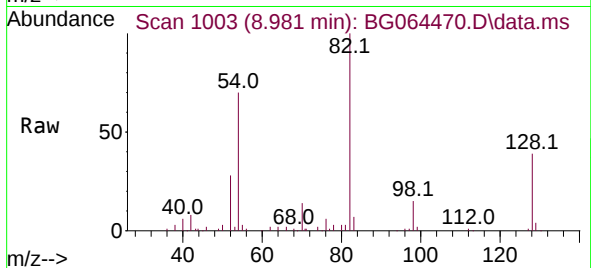
Tgt Ion: 82 Resp: 77837

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

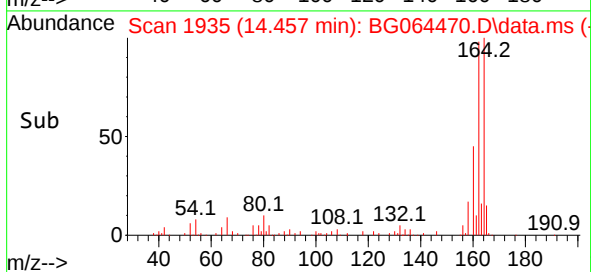
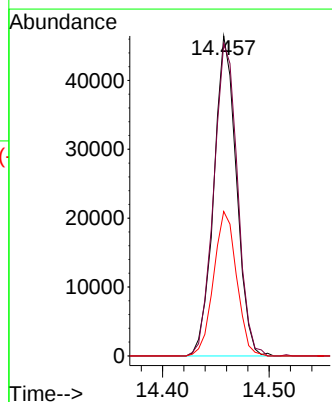
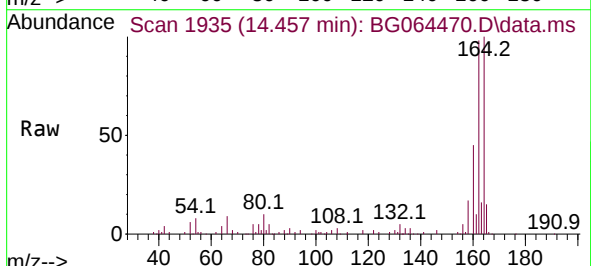
Tgt Ion:164 Resp: 68515

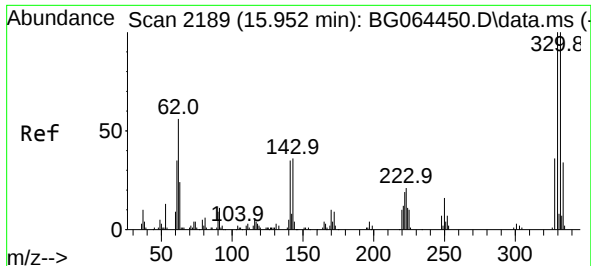
Ion Ratio Lower Upper

164 100

162 97.6 79.0 118.4

160 45.1 36.3 54.5

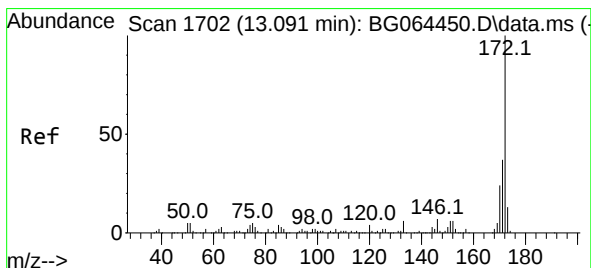
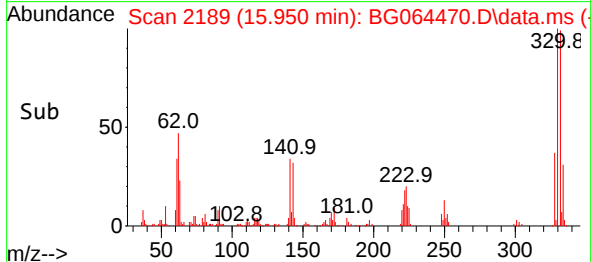
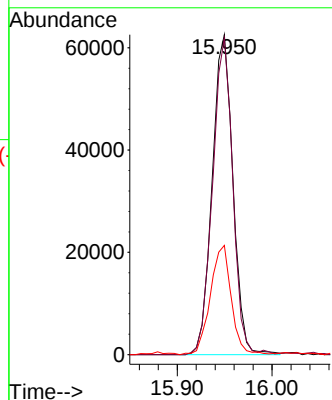
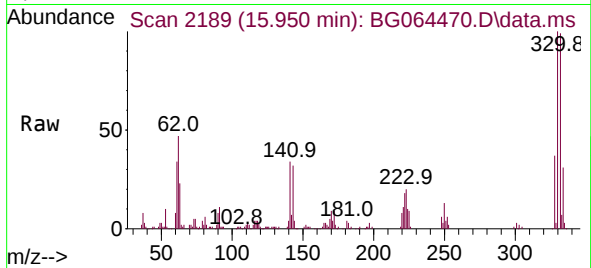




#42
2,4,6-Tribromophenol
Concen: 79.348 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.002 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

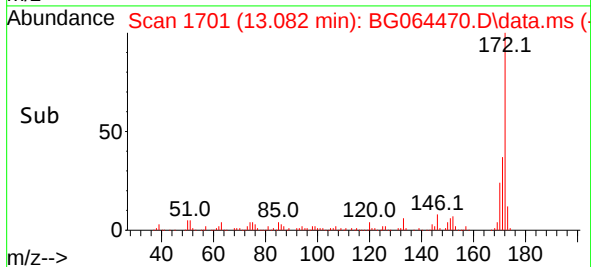
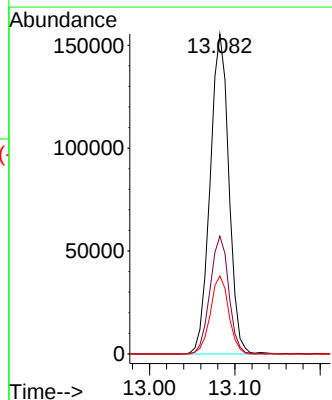
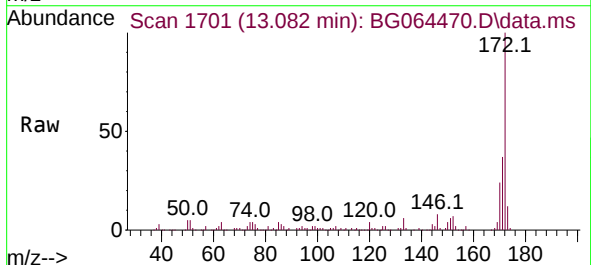
Instrument :
BNA_G
ClientSampleId :
WASTE

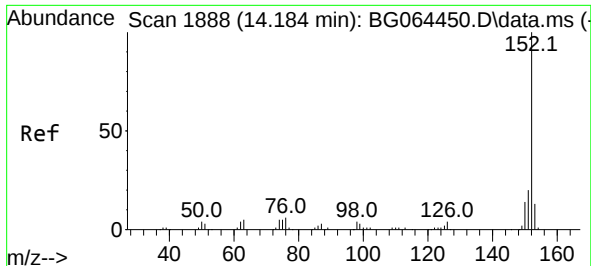
Tgt Ion:330 Resp: 94909
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 34.5 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 51.050 ng
RT: 13.082 min Scan# 1701
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

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

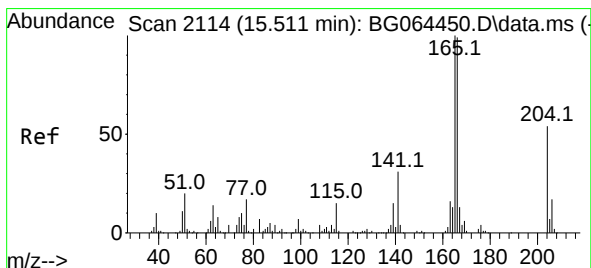
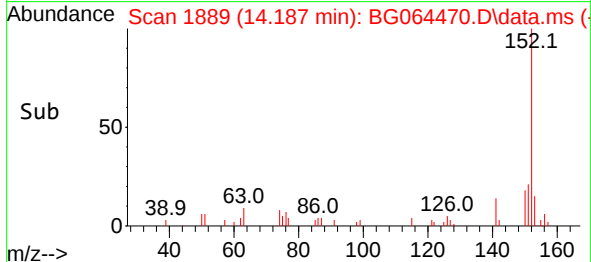
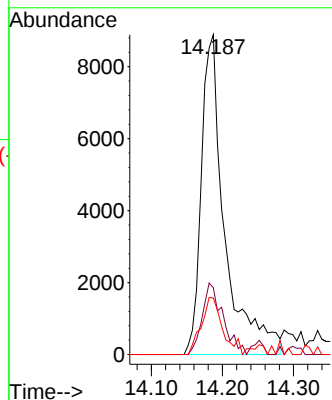
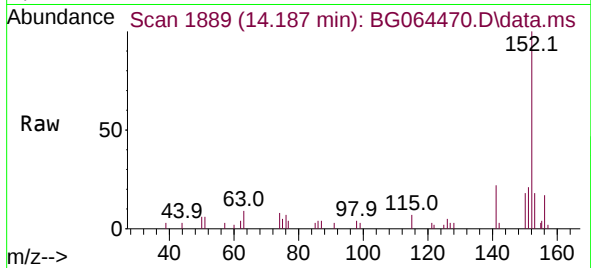




#49
Acenaphthylene
Concen: 3.697 ng
RT: 14.187 min Scan# 1888
Delta R.T. 0.003 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

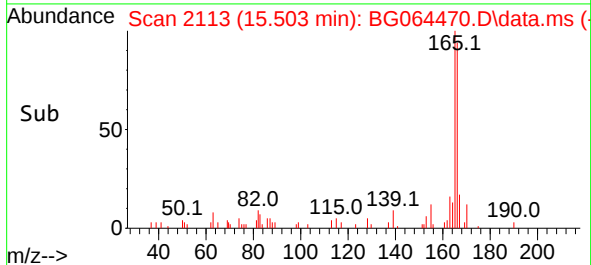
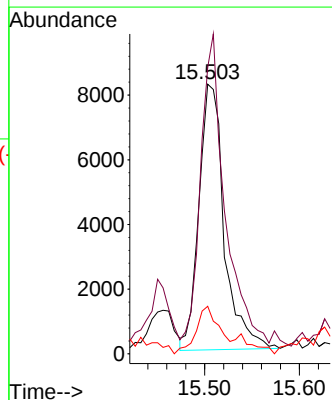
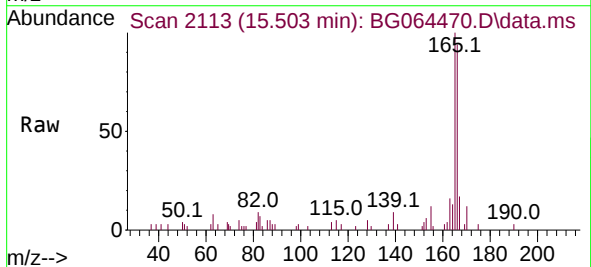
Instrument :
BNA_G
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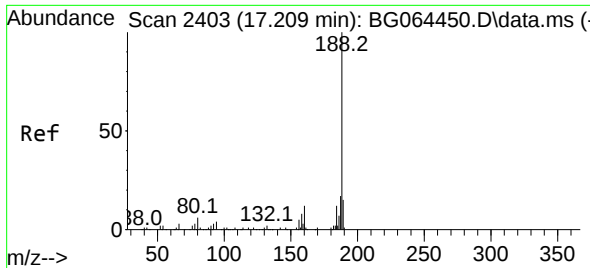
Tgt Ion:152 Resp: 20333
Ion Ratio Lower Upper
152 100
151 20.9 16.3 24.5
153 17.7 10.6 16.0#



#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#

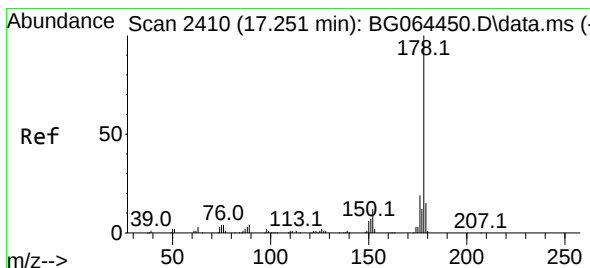
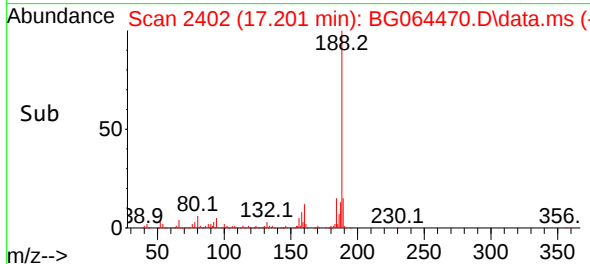
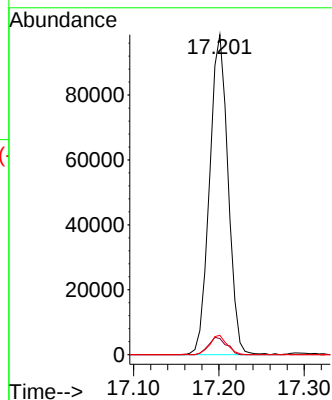
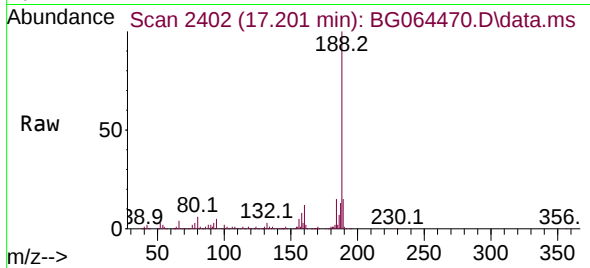




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2402
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

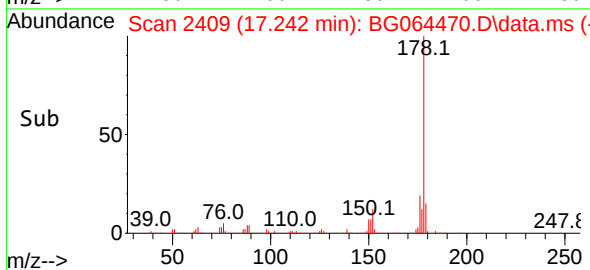
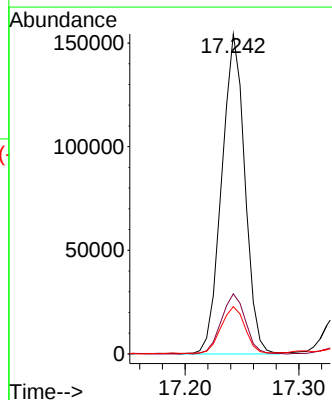
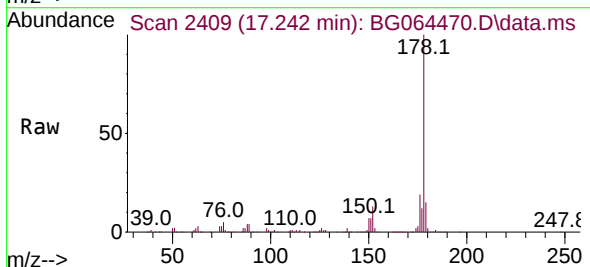
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ClientSampleId :
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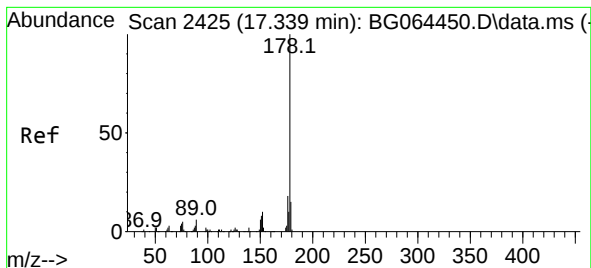
Tgt Ion:188 Resp: 148242
Ion Ratio Lower Upper
188 100
94 5.0 3.0 4.4#
80 6.0 4.9 7.3



#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

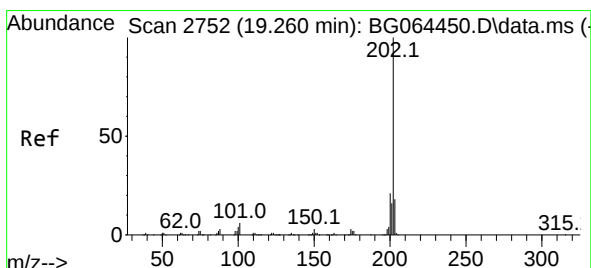
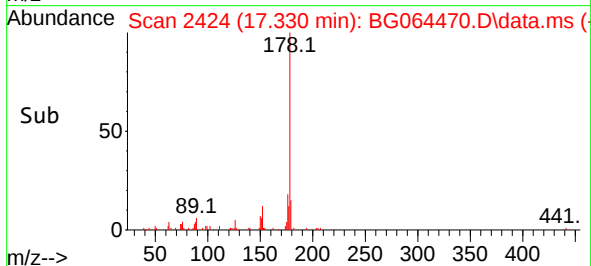
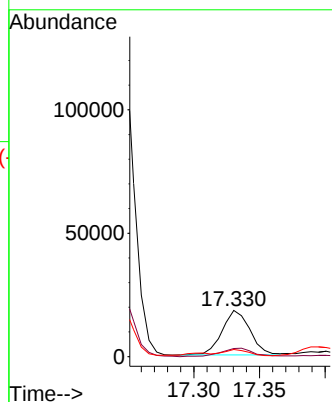
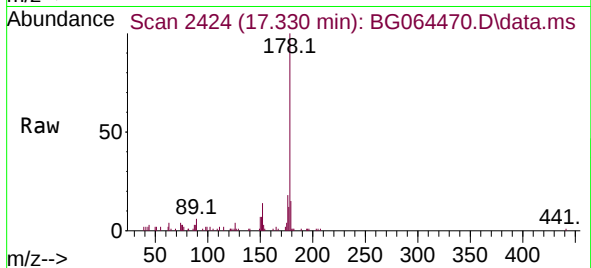
Tgt Ion:178 Resp: 26719

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

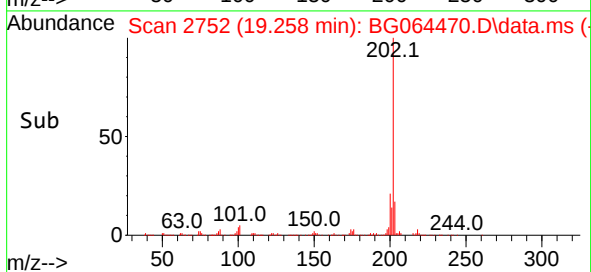
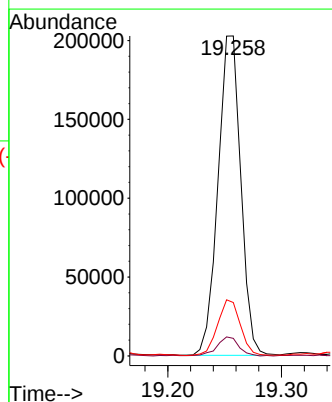
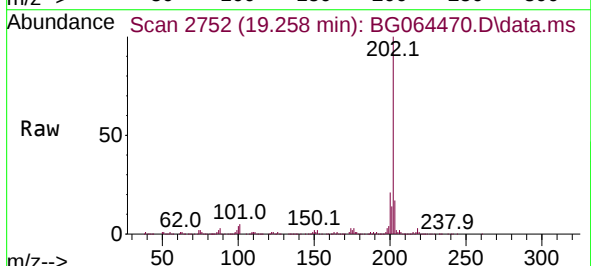
Tgt Ion:202 Resp: 282326

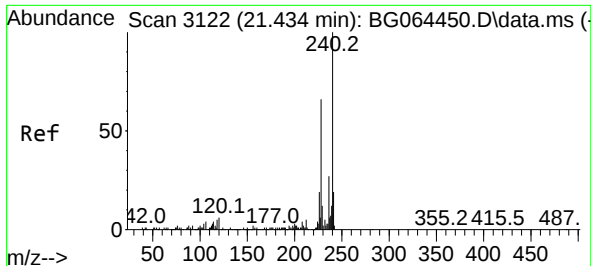
Ion Ratio Lower Upper

202 100

101 5.5 0.0 25.6

203 16.7 0.0 37.7

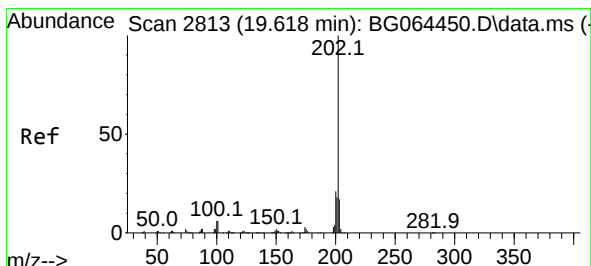
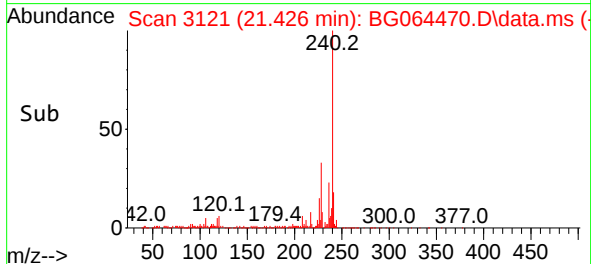
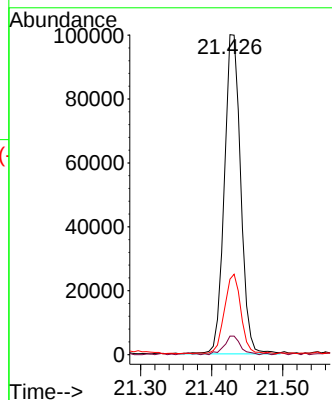
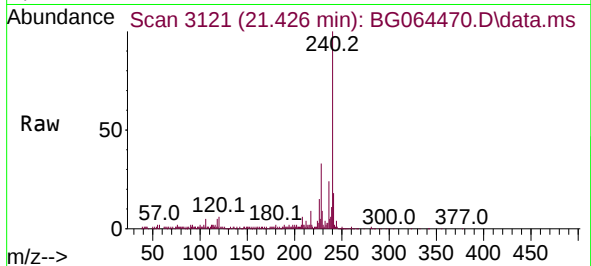




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.426 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

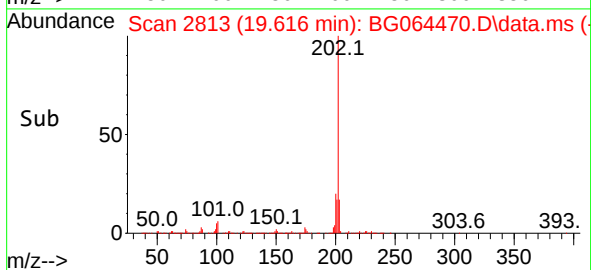
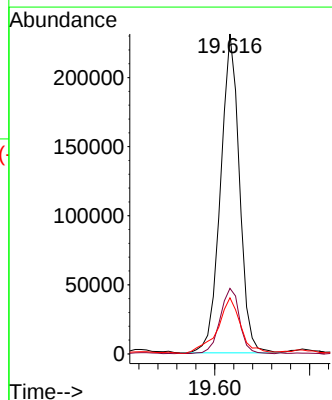
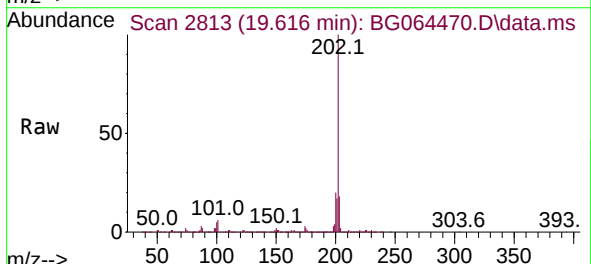
Instrument :
BNA_G
ClientSampleId :
WASTE

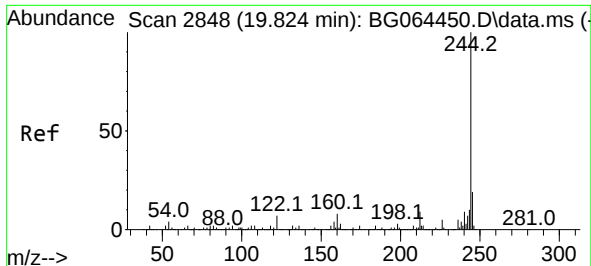
Tgt Ion:240 Resp: 160128
Ion Ratio Lower Upper
240 100
120 5.8 5.0 7.4
236 23.6 21.9 32.9



#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

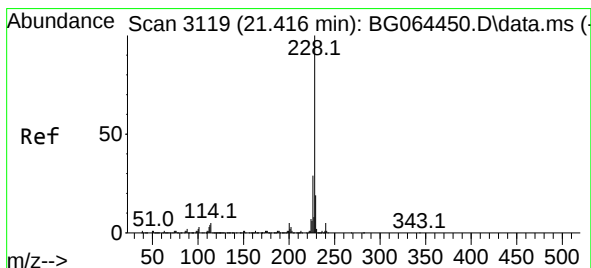
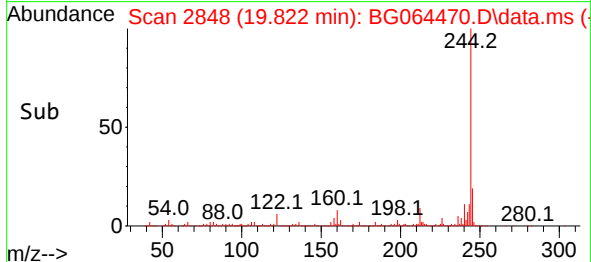
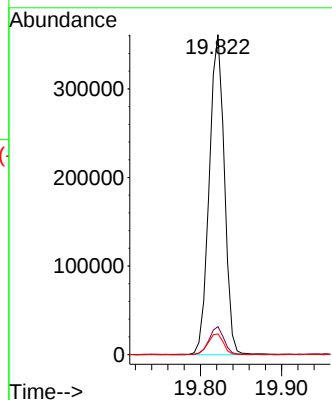
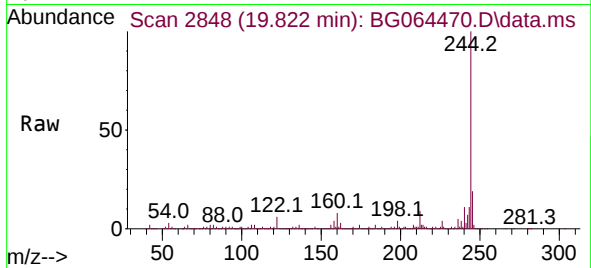




#79
 Terphenyl-d14
 Concen: 57.694 ng
 RT: 19.822 min Scan# 2848
 Delta R.T. -0.002 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

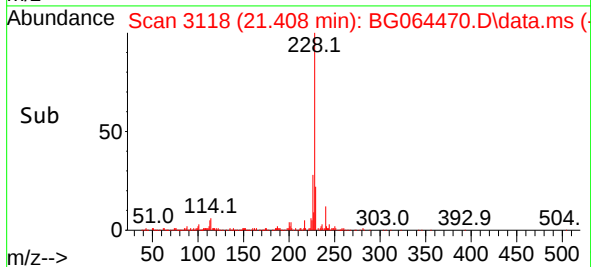
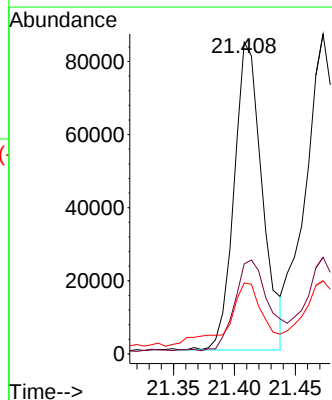
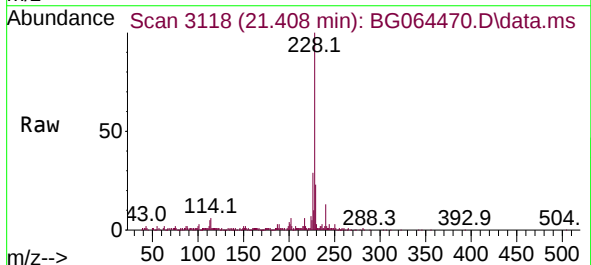
Instrument :
 BNA_G
 ClientSampleId :
 WASTE

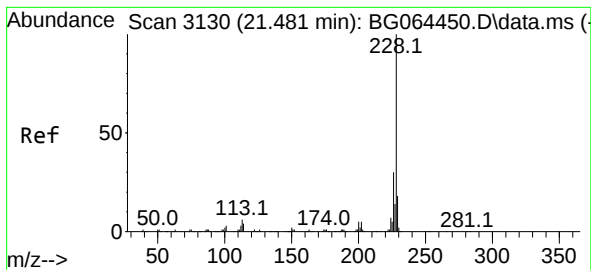
Tgt Ion:244 Resp: 468651
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.2 10.8
 122 6.5 5.7 8.5



#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

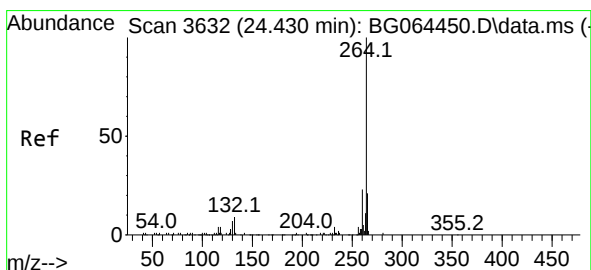
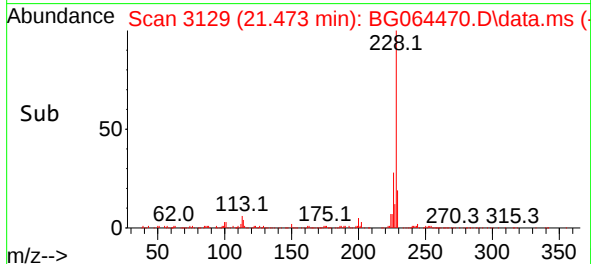
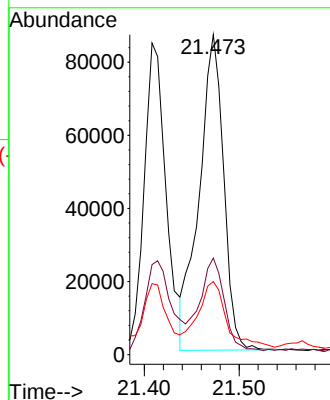
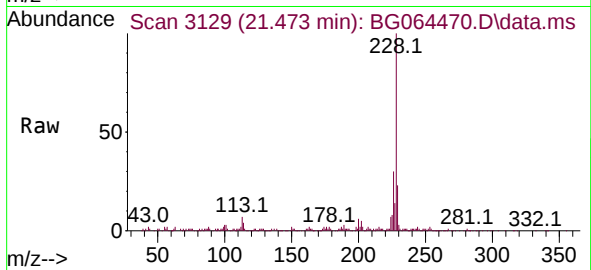
Tgt Ion:228 Resp: 154859

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

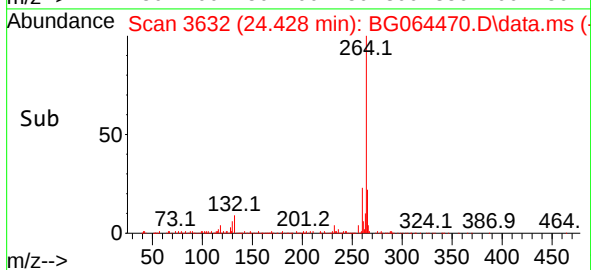
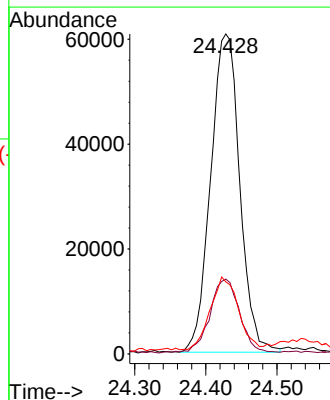
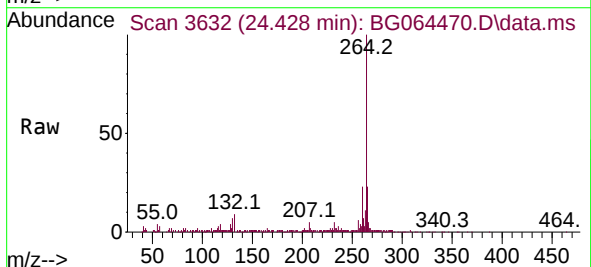
Tgt Ion:264 Resp: 172776

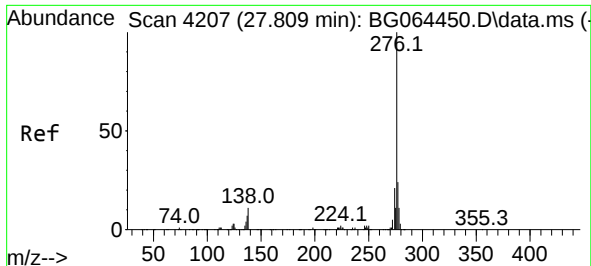
Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 22.5 16.7 25.1

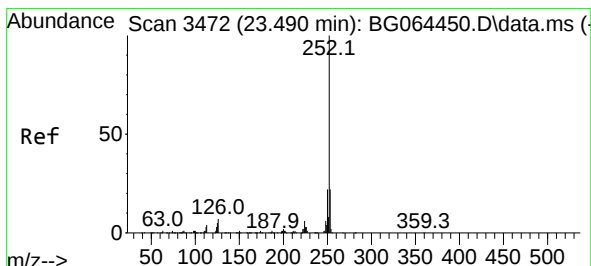
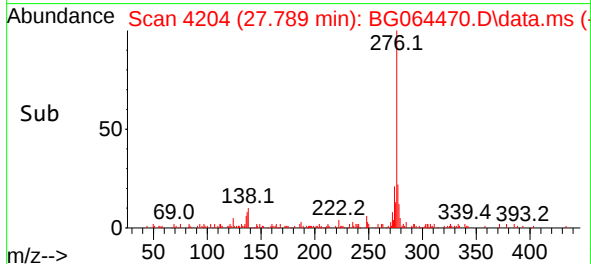
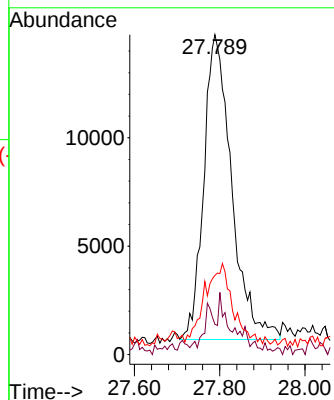
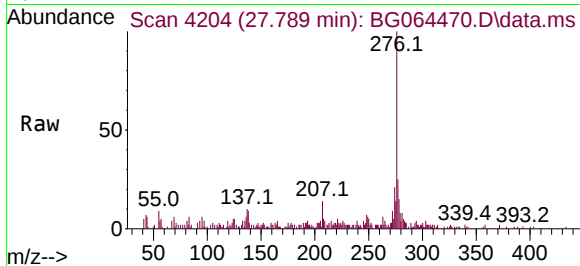




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.210 ng
 RT: 27.789 min Scan# 41
 Delta R.T. -0.020 min
 Lab File: BG064470.D
 Acq: 29 Sep 2025 22:03

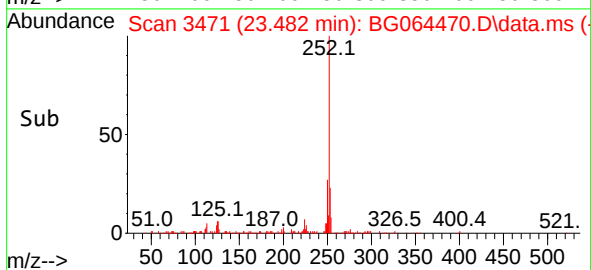
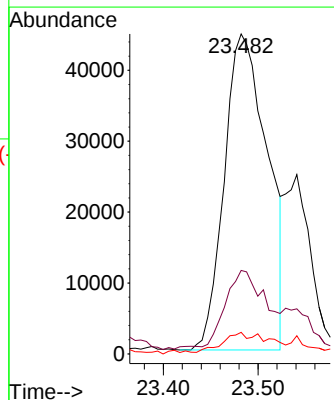
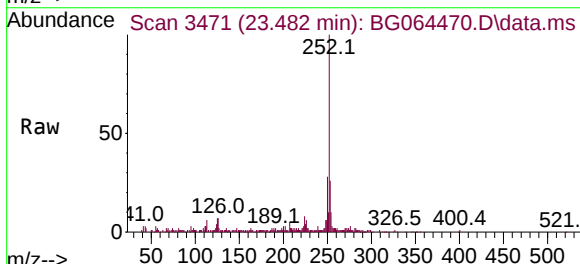
Instrument :
 BNA_G
 ClientSampleId :
 WASTE

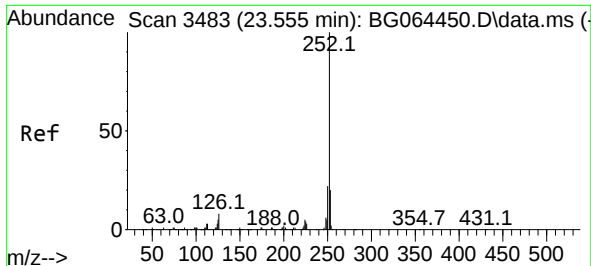
Tgt Ion:276 Resp: 63623
 Ion Ratio Lower Upper
 276 100
 138 2.2 10.3 15.5#
 277 26.7 19.2 28.8



#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#

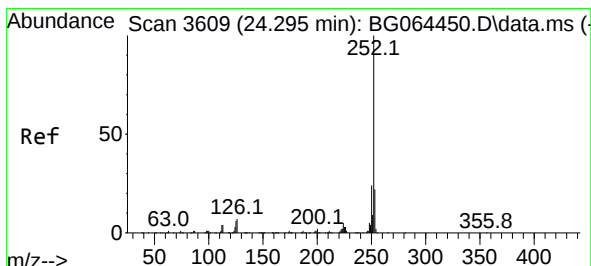
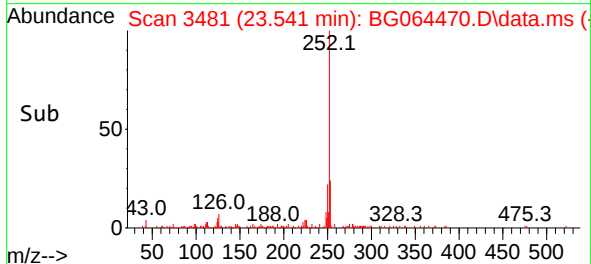
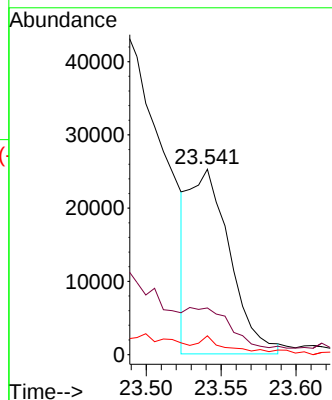
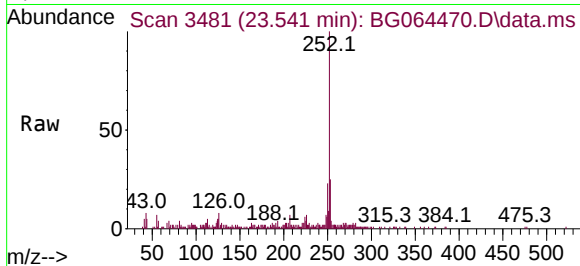




#89
Benzo(k)fluoranthene
Concen: 4.817 ng m
RT: 23.541 min Scan# 3483
Delta R.T. -0.014 min
Lab File: BG064470.D
Acq: 29 Sep 2025 22:03

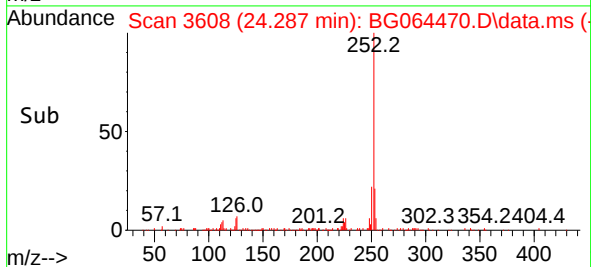
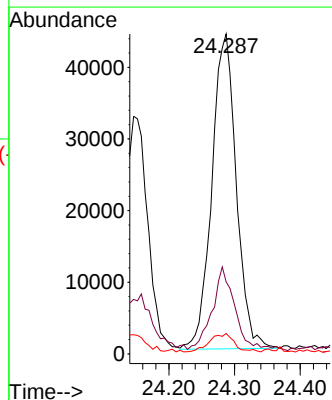
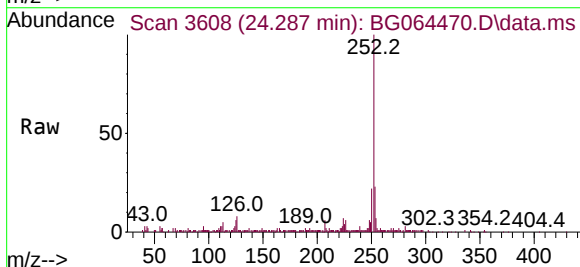
Instrument :
BNA_G
ClientSampleId :
WASTE

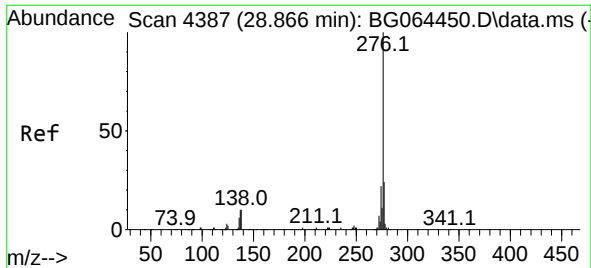
Tgt Ion:252 Resp: 47731
Ion Ratio Lower Upper
252 100
253 25.1 16.6 24.8#
125 5.2 4.4 6.6



#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#

