

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092925\
 Data File : BG064471.D
 Acq On : 29 Sep 2025 22:44
 Operator : RC/JU
 Sample : Q3215-01DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WASTEDL

Quant Time: Sep 30 06:59:00 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)

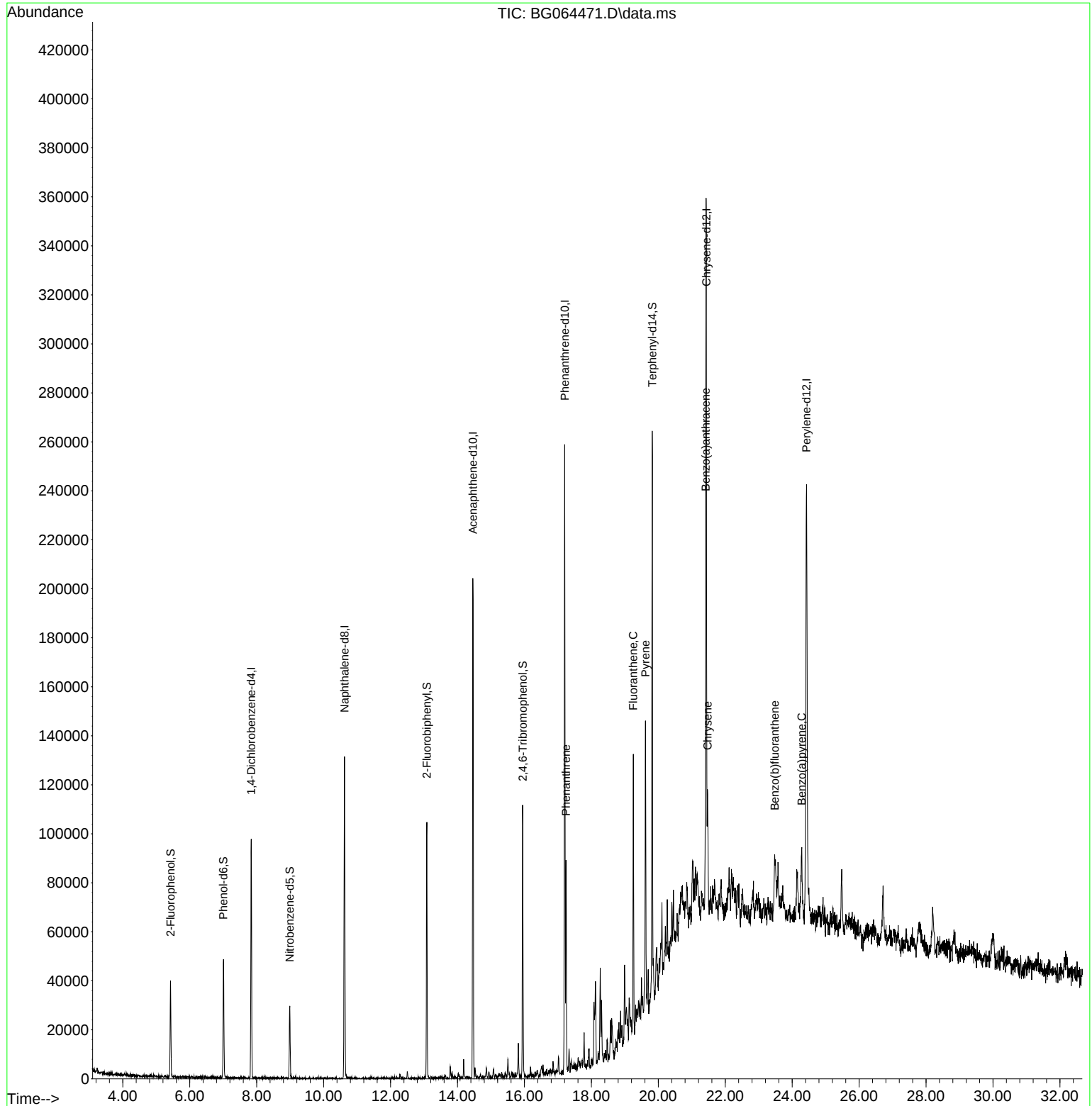
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	24501	20.000	ng	0.00
21) Naphthalene-d8	10.621	136	103458	20.000	ng	# 0.00
39) Acenaphthene-d10	14.458	164	71387	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	153376	20.000	ng	# 0.00
76) Chrysene-d12	21.432	240	159714	20.000	ng	0.00
86) Perylene-d12	24.422	264	177883	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.427	112	15418	12.025	ng	0.00
7) Phenol-d6	7.002	99	23380	13.310	ng	0.00
23) Nitrobenzene-d5	8.988	82	16136	8.453	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	20790	16.682	ng	0.00
45) 2-Fluorobiphenyl	13.083	172	54125	11.196	ng	0.00
79) Terphenyl-d14	19.816	244	108126	13.346	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.243	178	49457	6.204	ng	98
75) Fluoranthene	19.252	202	63356	6.293	ng	98
78) Pyrene	19.616	202	76479	7.717	ng	99
81) Benzo(a)anthracene	21.414	228	29415	2.876	ng	97
83) Chrysene	21.473	228	35254m	3.640	ng	
88) Benzo(b)fluoranthene	23.476	252	36023m	3.533	ng	
90) Benzo(a)pyrene	24.281	252	26923m	2.850	ng	

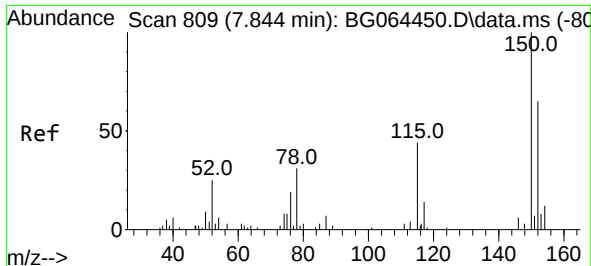
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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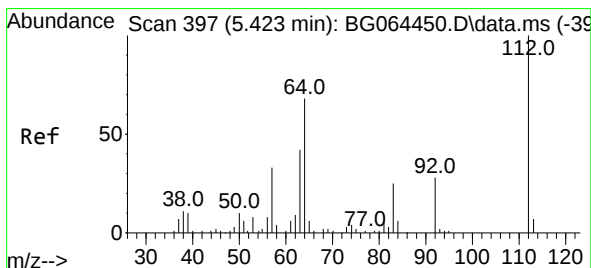
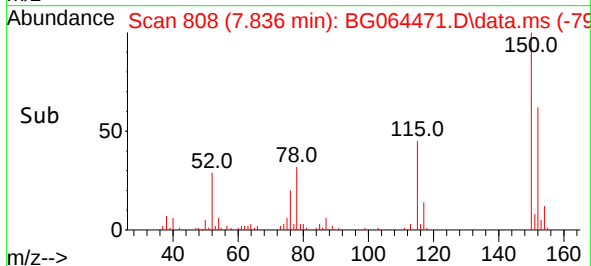
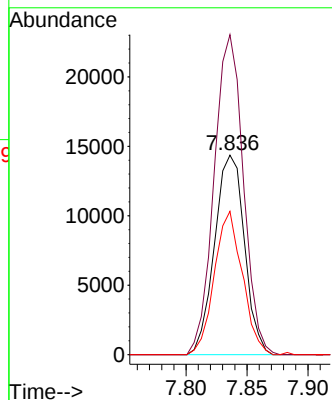
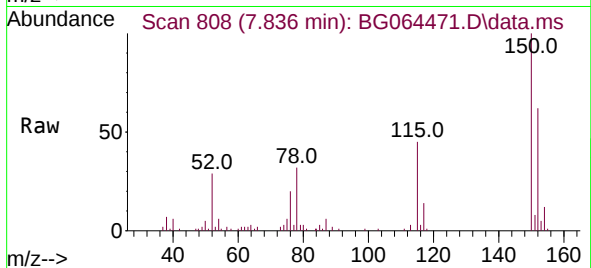




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.836 min Scan# 809
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

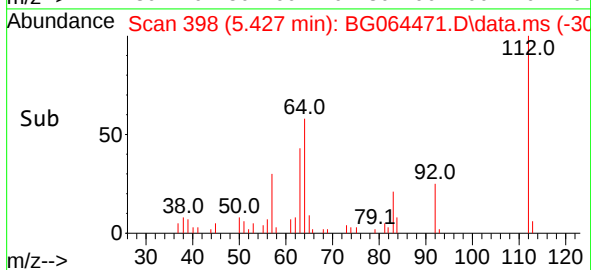
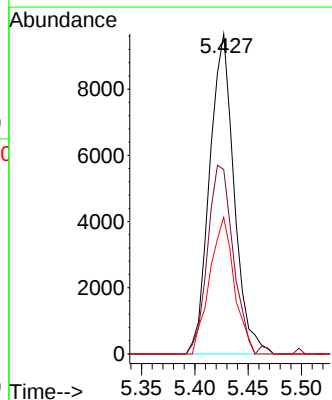
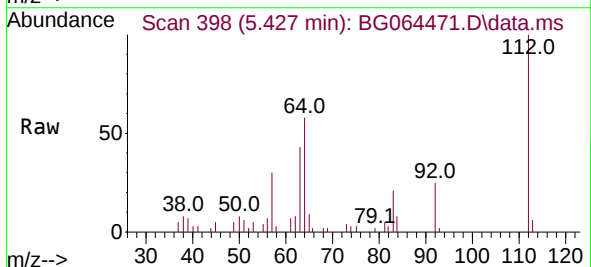
Instrument :
BNA_G
ClientSampleId :
WASTEDL

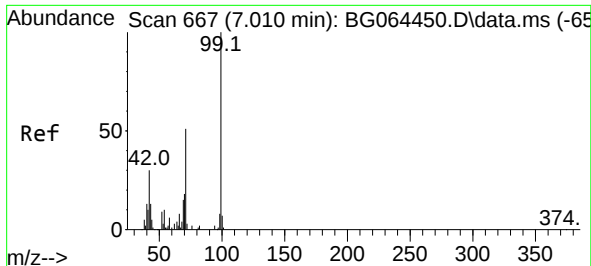
Tgt Ion:152 Resp: 24501
Ion Ratio Lower Upper
152 100
150 160.5 122.9 184.3
115 71.9 54.3 81.5



#5
2-Fluorophenol
Concen: 12.025 ng
RT: 5.427 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

Tgt Ion:112 Resp: 15418
Ion Ratio Lower Upper
112 100
64 57.6 54.0 81.0
63 42.7 33.8 50.6

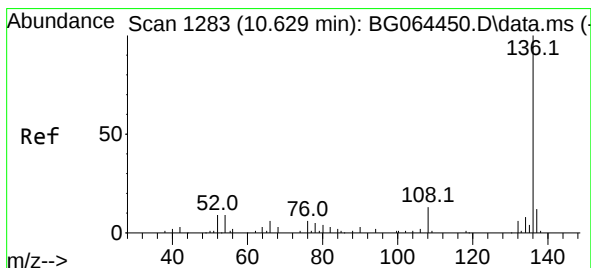
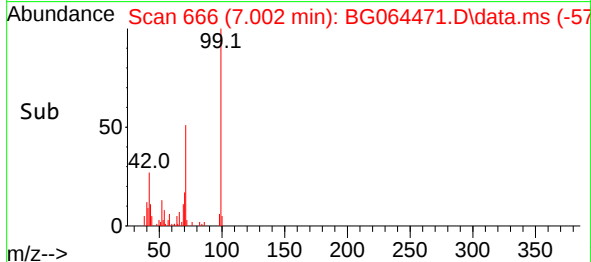
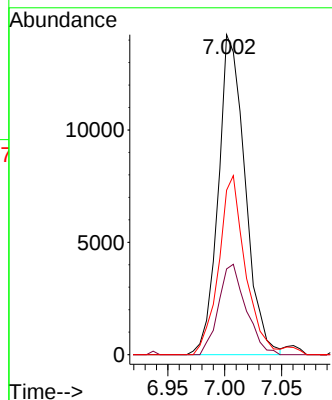
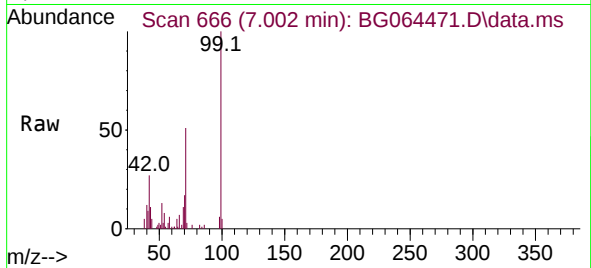




#7
Phenol-d6
Concen: 13.310 ng
RT: 7.002 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

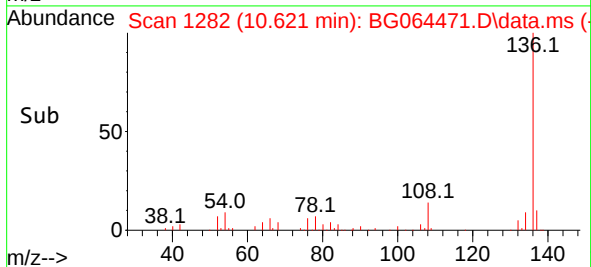
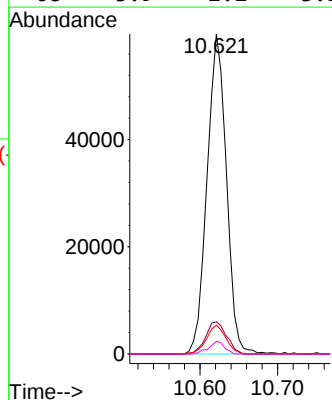
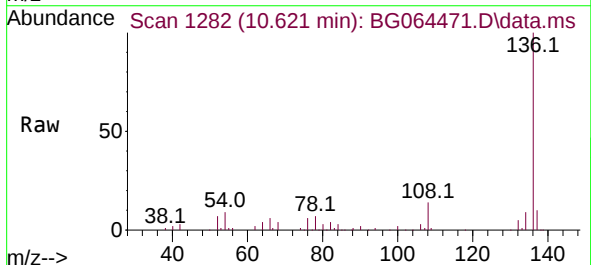
Instrument :
BNA_G
ClientSampleId :
WASTEDL

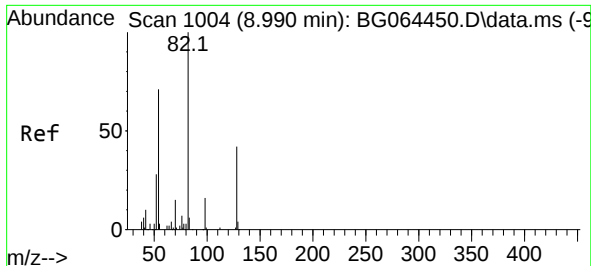
Tgt Ion:	99	Resp:	23380
Ion	Ratio	Lower	Upper
99	100		
42	26.8	24.0	36.0
71	51.4	40.5	60.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.621 min Scan# 1282
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

Tgt Ion:	136	Resp:	103458
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.6	14.4
54	9.0	7.4	11.2
68	3.9	2.2	3.2

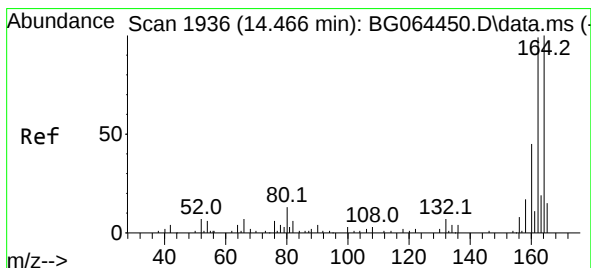
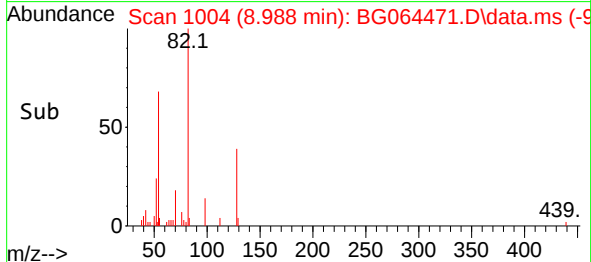
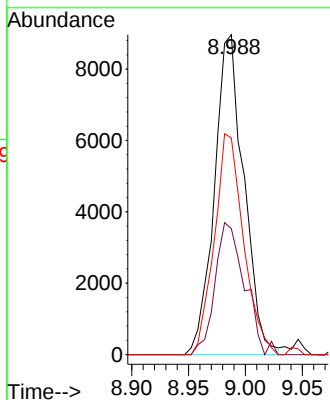
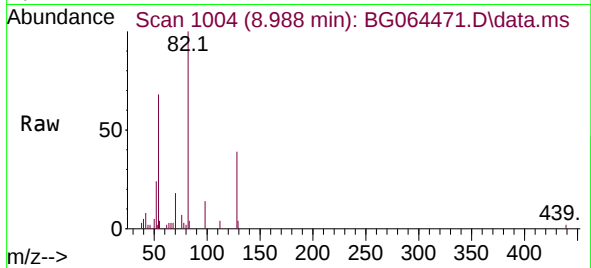




#23
Nitrobenzene-d5
Concen: 8.453 ng
RT: 8.988 min Scan# 1004
Delta R.T. -0.002 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

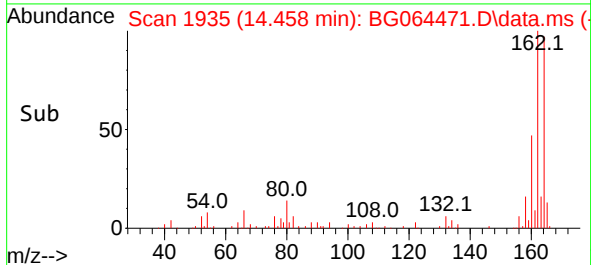
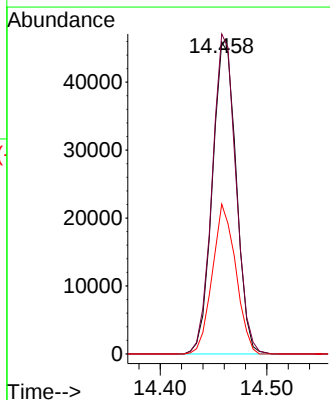
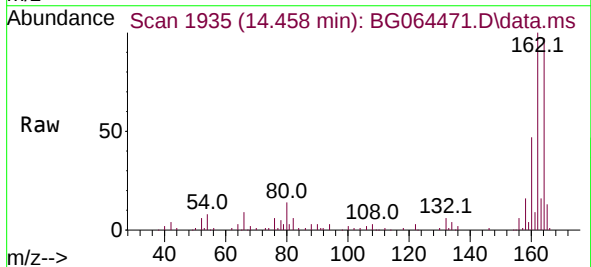
Instrument :
BNA_G
ClientSampleId :
WASTEDL

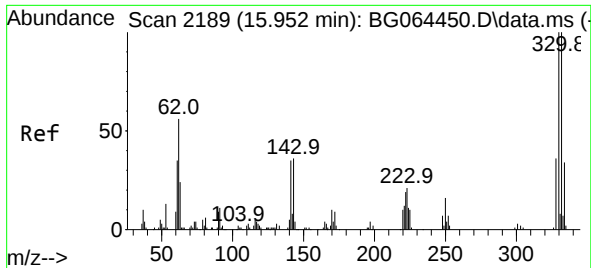
Tgt Ion: 82 Resp: 16136
Ion Ratio Lower Upper
82 100
128 39.4 33.7 50.5
54 67.7 57.0 85.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.458 min Scan# 1935
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

Tgt Ion:164 Resp: 71387
Ion Ratio Lower Upper
164 100
162 102.6 79.0 118.4
160 48.1 36.3 54.5

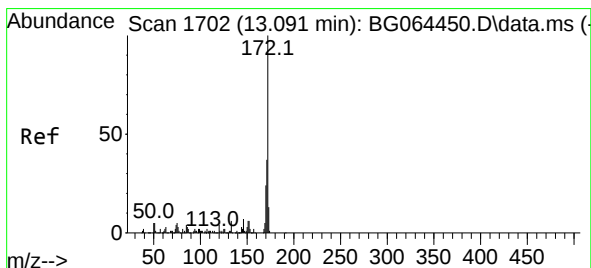
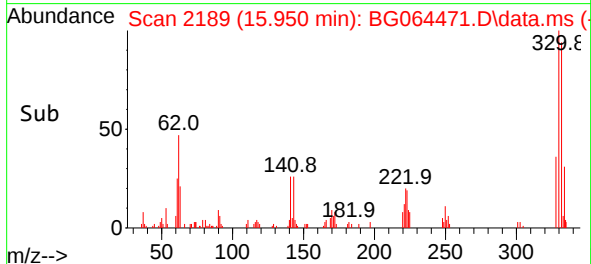
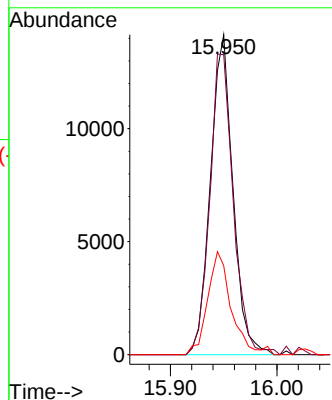
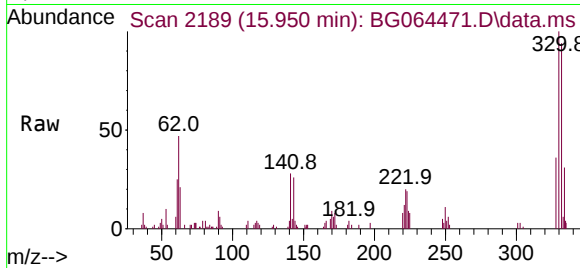




#42
 2,4,6-Tribromophenol
 Concen: 16.682 ng
 RT: 15.950 min Scan# 2189
 Delta R.T. -0.002 min
 Lab File: BG064471.D
 Acq: 29 Sep 2025 22:44

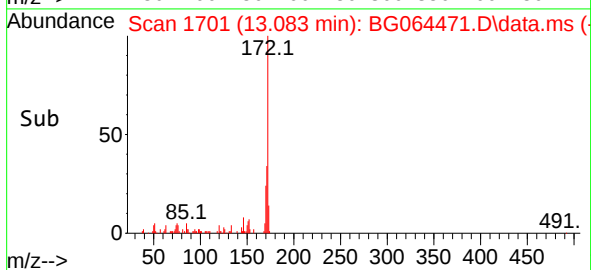
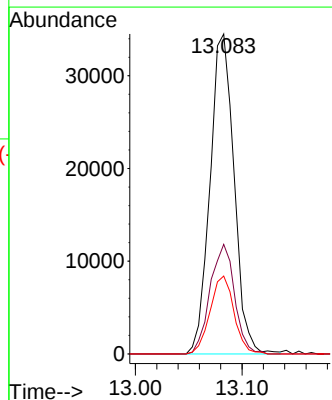
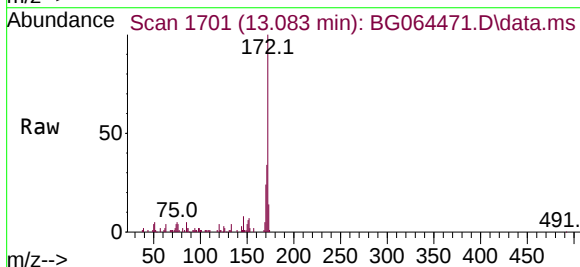
Instrument :
 BNA_G
 ClientSampleId :
 WASTEDL

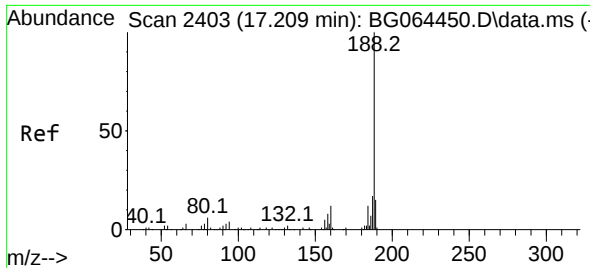
Tgt Ion:	330	Resp:	20790
Ion Ratio	Lower	Upper	
330	100		
332	98.1	78.8	118.2
141	33.9	27.3	40.9



#45
 2-Fluorobiphenyl
 Concen: 11.196 ng
 RT: 13.083 min Scan# 1701
 Delta R.T. -0.008 min
 Lab File: BG064471.D
 Acq: 29 Sep 2025 22:44

Tgt Ion:	172	Resp:	54125
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.4	44.2
170	24.3	18.9	28.3

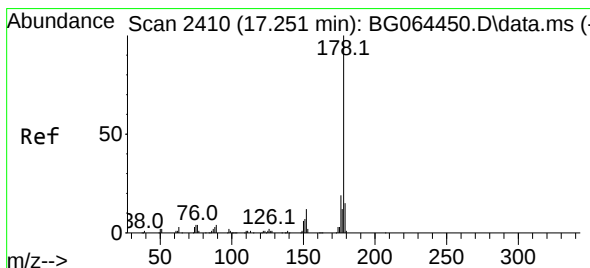
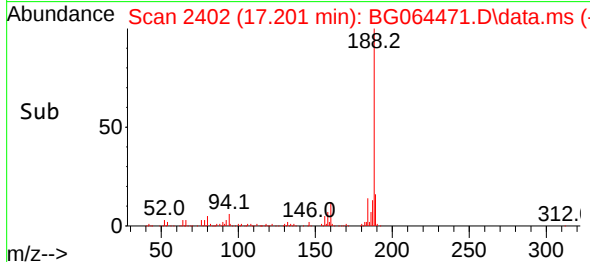
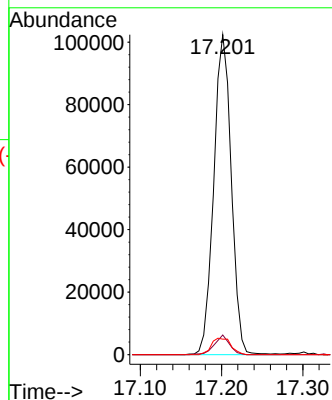
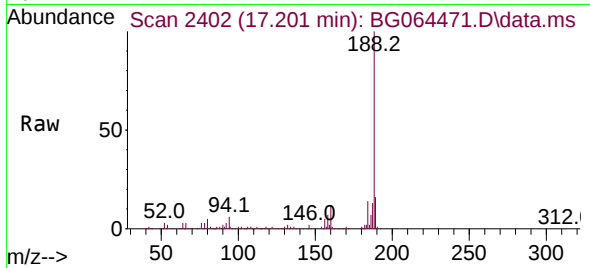




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2403
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

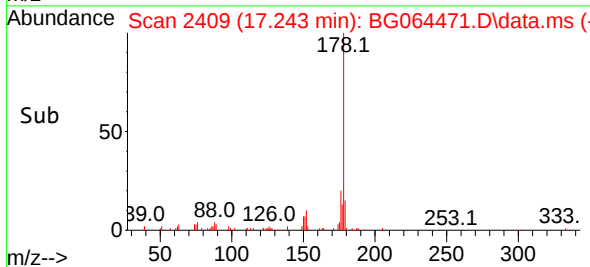
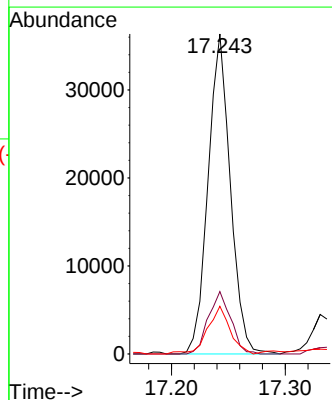
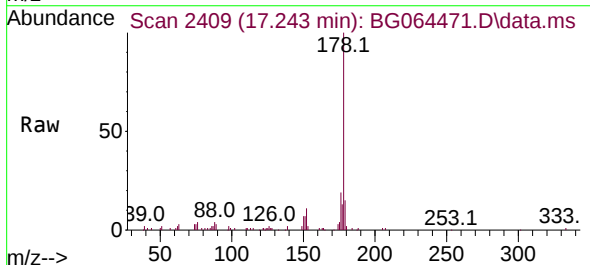
Instrument :
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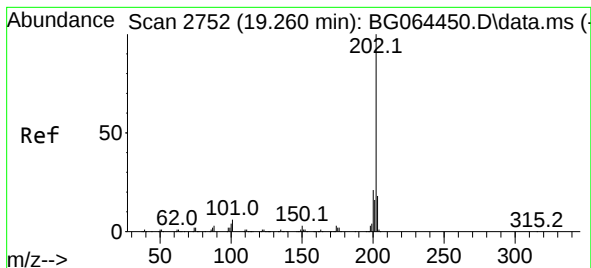
Tgt Ion:188 Resp: 153376
Ion Ratio Lower Upper
188 100
94 7.0 3.0 4.4#
80 4.8 4.9 7.3#



#71
Phenanthrene
Concen: 6.204 ng
RT: 17.243 min Scan# 2409
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

Tgt Ion:178 Resp: 49457
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 14.9 12.4 18.6





#75

Fluoranthene

Concen: 6.293 ng

RT: 19.252 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

Instrument :

BNA_G

ClientSampleId :

WASTEDL

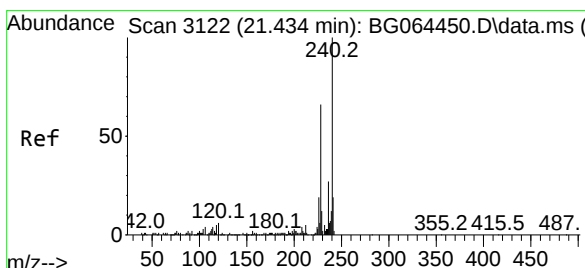
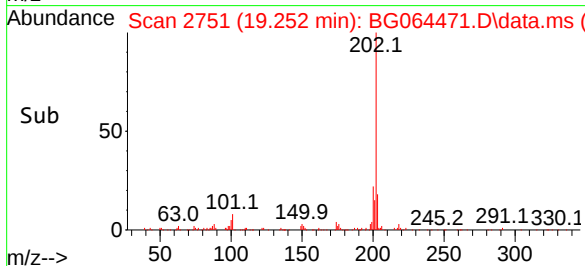
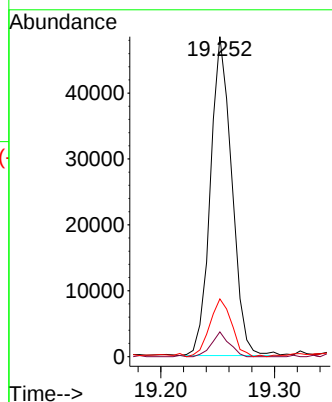
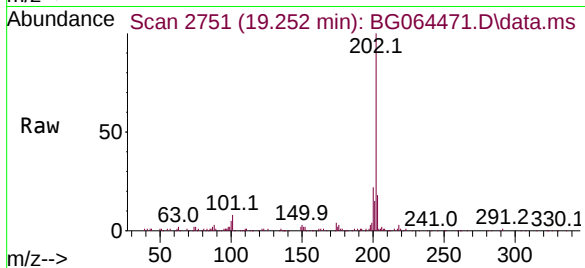
Tgt Ion:202 Resp: 63356

Ion Ratio Lower Upper

202 100

101 7.7 0.0 25.6

203 18.0 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.432 min Scan# 3122

Delta R.T. -0.002 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

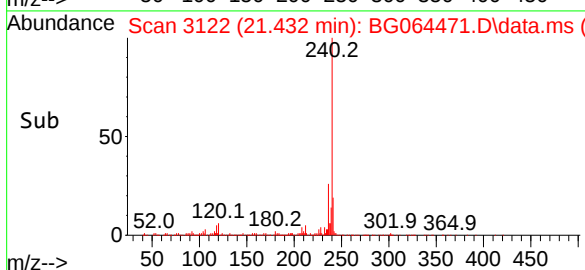
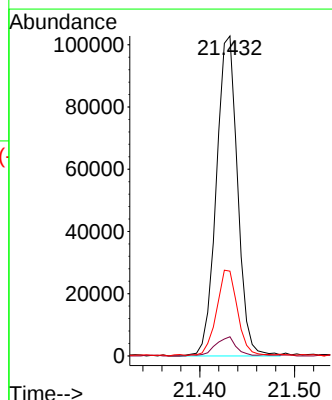
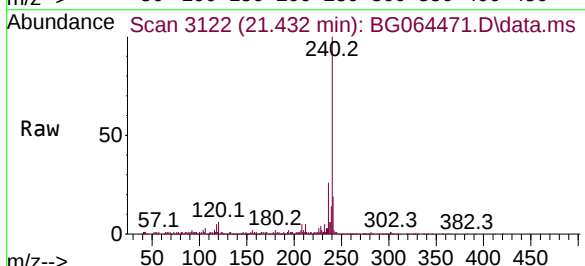
Tgt Ion:240 Resp: 159714

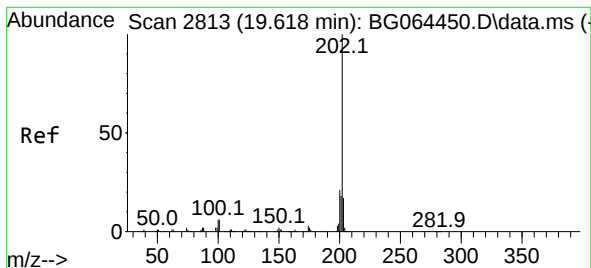
Ion Ratio Lower Upper

240 100

120 6.0 5.0 7.4

236 26.5 21.9 32.9





#78

Pyrene

Concen: 7.717 ng

RT: 19.616 min Scan# 2813

Delta R.T. -0.002 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

Instrument :

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ClientSampleId :

WASTEDL

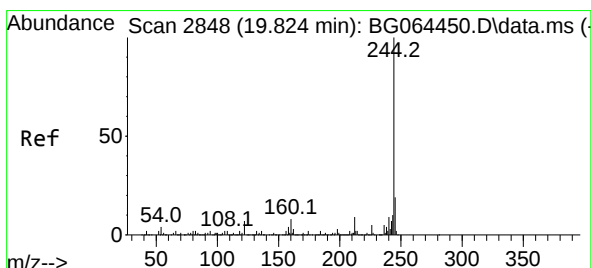
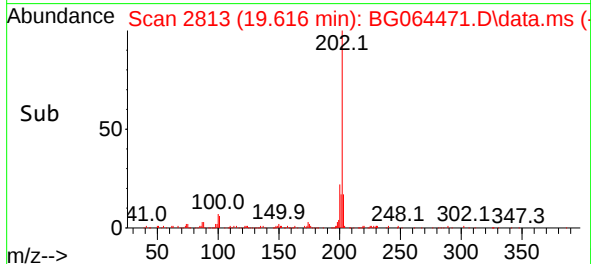
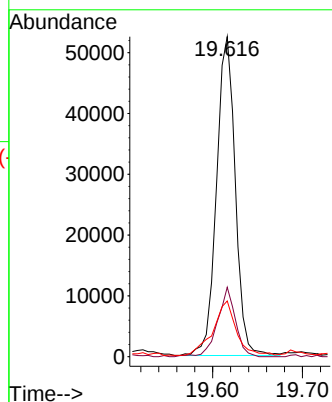
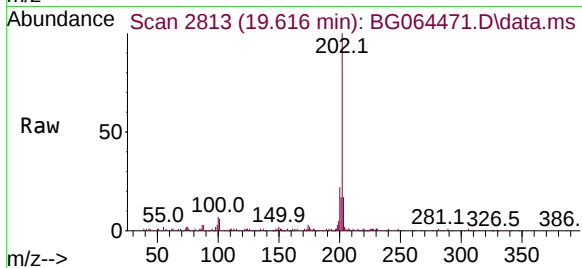
Tgt Ion:202 Resp: 76479

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 17.4 13.8 20.6



#79

Terphenyl-d14

Concen: 13.346 ng

RT: 19.816 min Scan# 2847

Delta R.T. -0.008 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

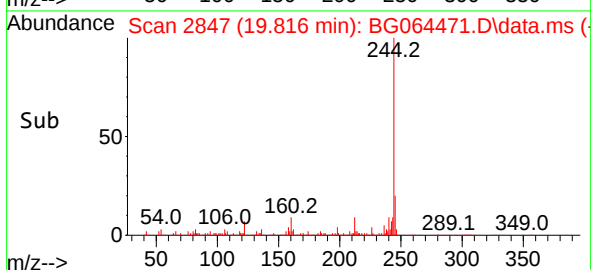
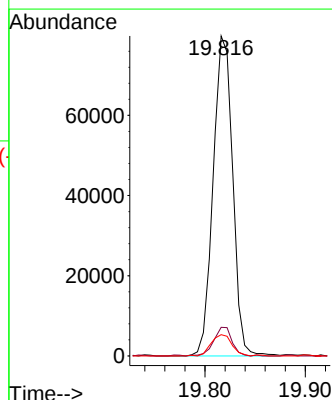
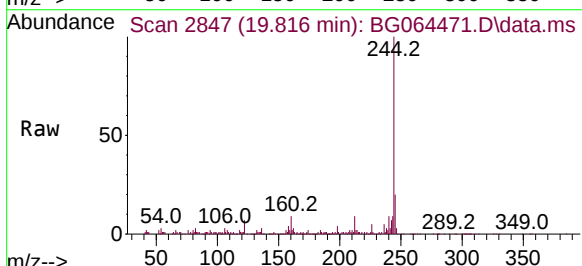
Tgt Ion:244 Resp: 108126

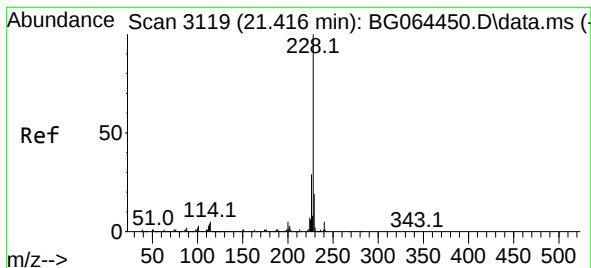
Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

122 6.6 5.7 8.5





#81

Benzo(a)anthracene

Concen: 2.876 ng

RT: 21.414 min Scan# 3119

Delta R.T. -0.002 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

Instrument :

BNA_G

ClientSampleId :

WASTEDL

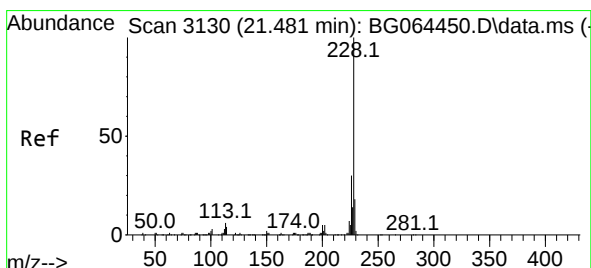
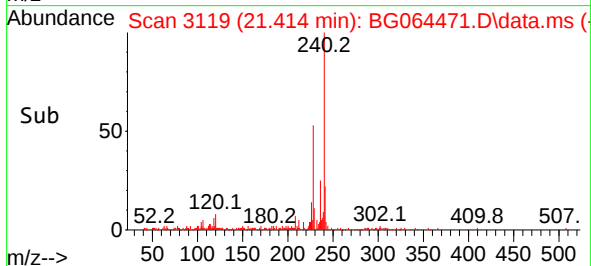
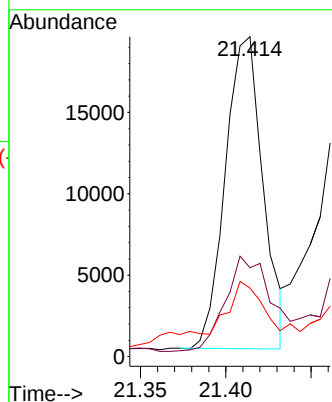
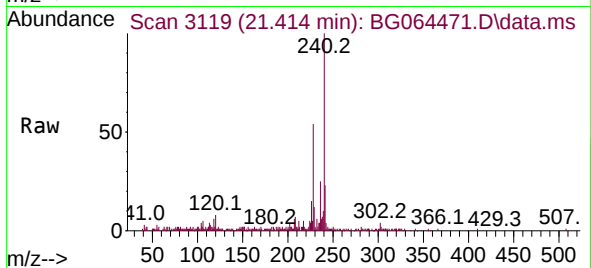
Tgt Ion:228 Resp: 29415

Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.6

229 21.4 15.1 22.7



#83

Chrysene

Concen: 3.640 ng m

RT: 21.473 min Scan# 3129

Delta R.T. -0.008 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

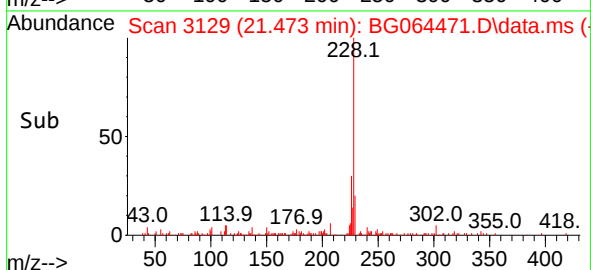
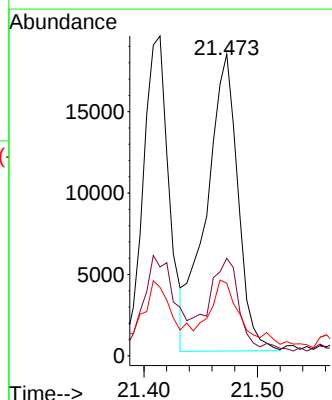
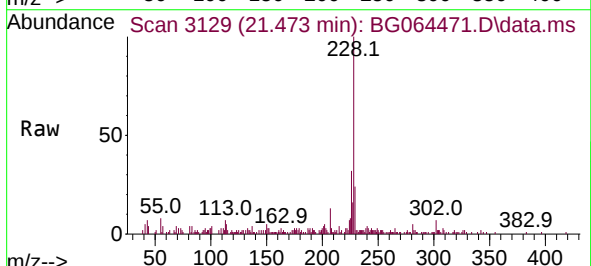
Tgt Ion:228 Resp: 35254

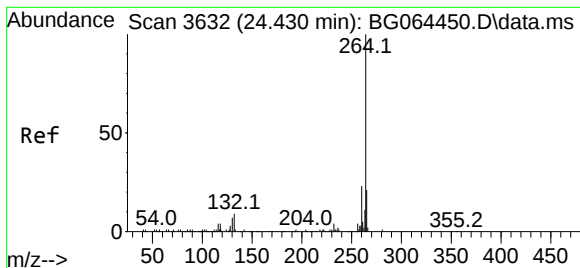
Ion Ratio Lower Upper

228 100

226 32.3 24.2 36.4

229 24.1 14.7 22.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.422 min Scan# 3632

Delta R.T. -0.008 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

Instrument :

BNA_G

ClientSampleId :

WASTEDL

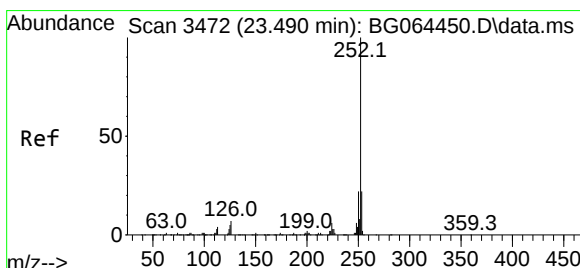
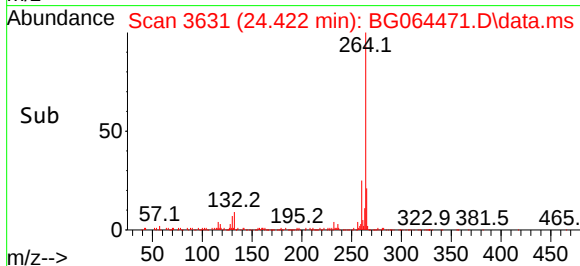
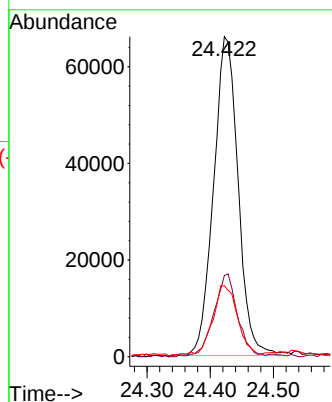
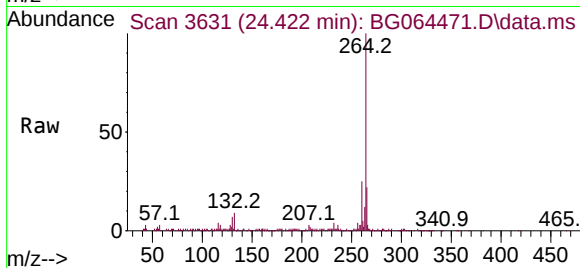
Tgt Ion:264 Resp: 177883

Ion Ratio Lower Upper

264 100

260 25.3 18.6 27.8

265 22.1 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 3.533 ng m

RT: 23.476 min Scan# 3470

Delta R.T. -0.014 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

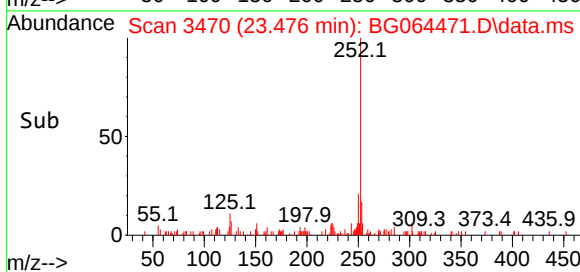
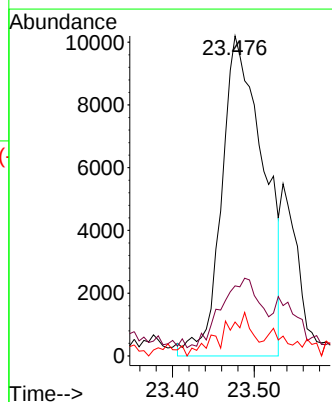
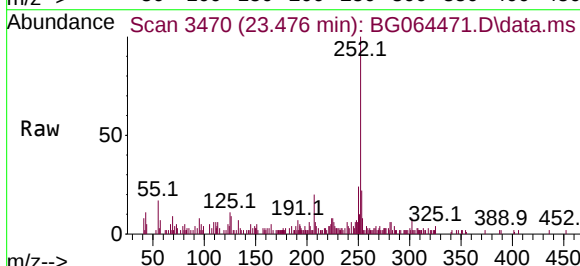
Tgt Ion:252 Resp: 36023

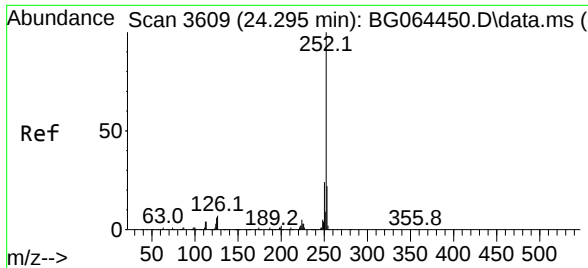
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

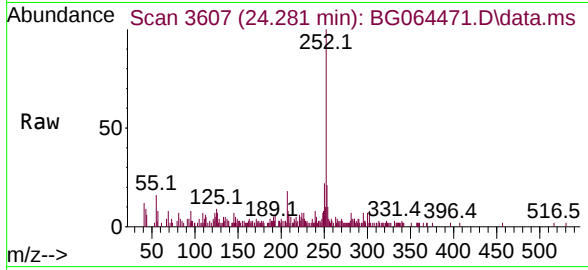
125 10.6 4.2 6.2#





#90
 Benzo(a)pyrene
 Concen: 2.850 ng m
 RT: 24.281 min Scan# 30
 Delta R.T. -0.014 min
 Lab File: BG064471.D
 Acq: 29 Sep 2025 22:44

Instrument :
 BNA_G
 ClientSampleId :
 WASTEDL



Tgt Ion:252	Resp:	26923
Ion Ratio	Lower	Upper
252	100	
253	21.3	17.5 26.3
125	8.6	4.6 7.0#

