

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)

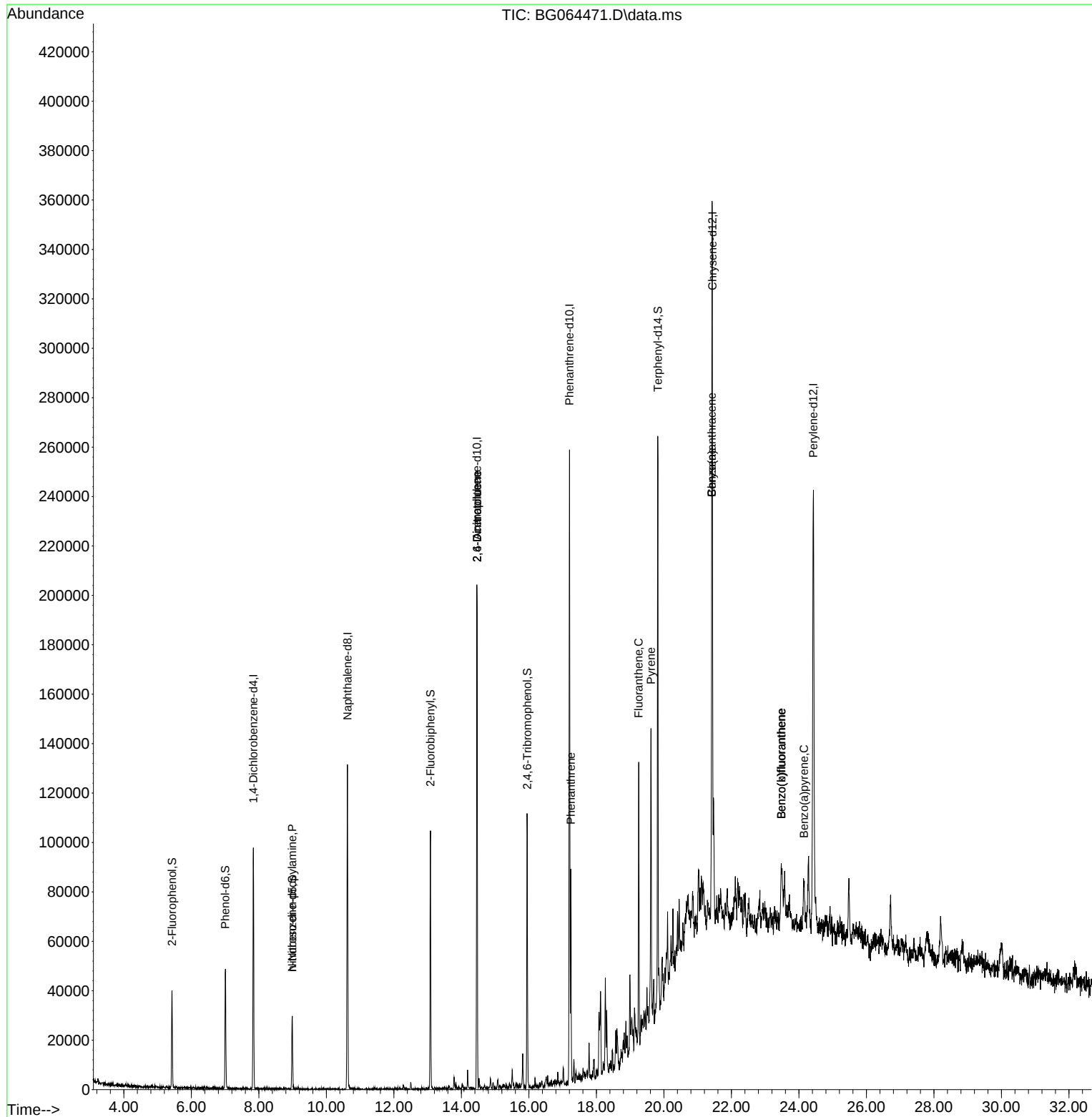
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	24501	20.000	ng	0.00
21) Naphthalene-d8	10.621	136	103458	20.000	ng	# 0.00
39) Acenaphthene-d10	14.458	164	71387	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	153376	20.000	ng	# 0.00
76) Chrysene-d12	21.432	240	159714	20.000	ng	0.00
86) Perylene-d12	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						
19) n-Nitroso-di-n-propyla...	8.988	70	2648	2.230	ng	# 62
51) 2,6-Dinitrotoluene	14.464	165	10099	8.816	ng	# 21
57) 2,4-Dinitrotoluene	14.464	165	10099	5.775	ng	# 19
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	21.414	228	29415	3.037	ng	95
88) Benzo(b)fluoranthene	23.476	252	41022	4.023	ng	# 96
89) Benzo(k)fluoranthene	23.476	252	41022	4.021	ng	# 95
90) Benzo(a)pyrene	24.146	252	19686	2.084	ng	99

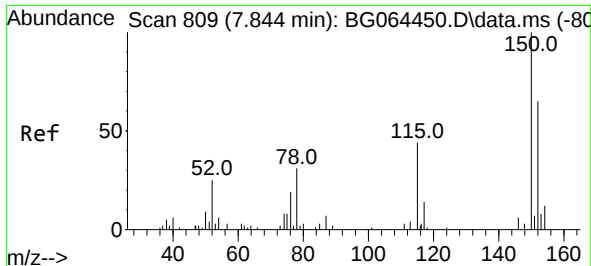
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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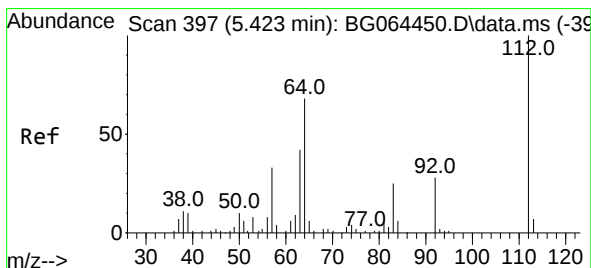
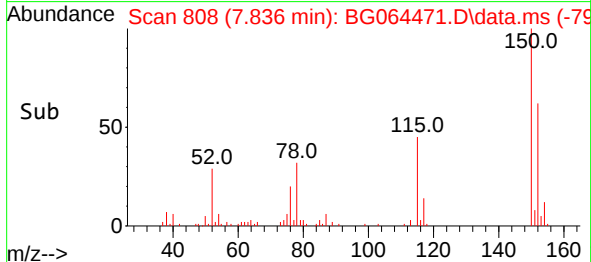
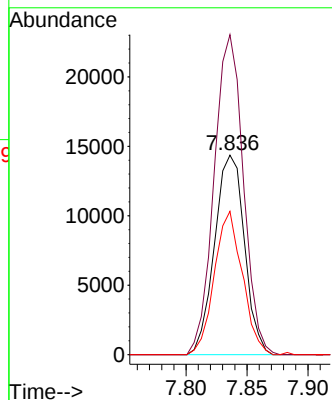
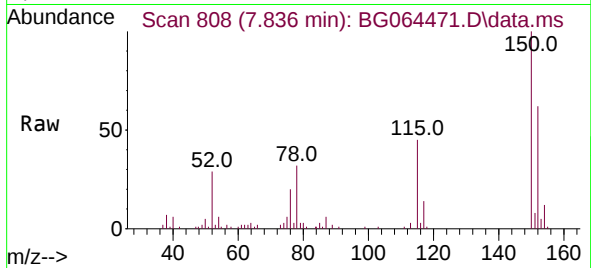




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.836 min Scan# 809
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

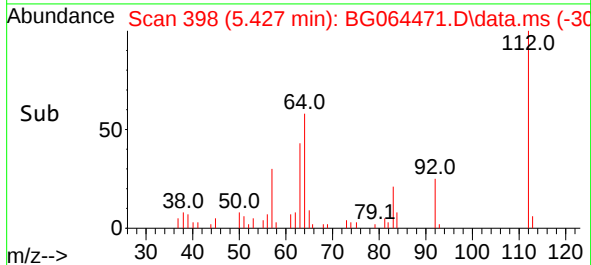
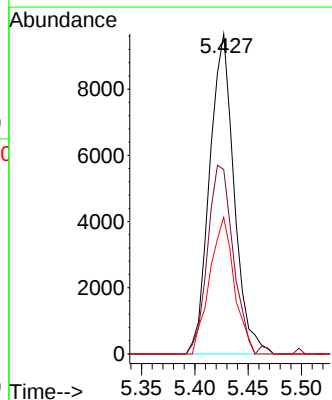
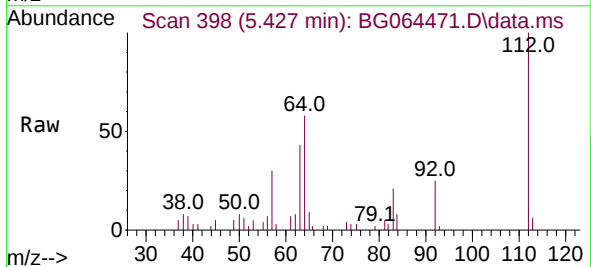
Instrument :
BNA_G
ClientSampleId :
WASTEDL

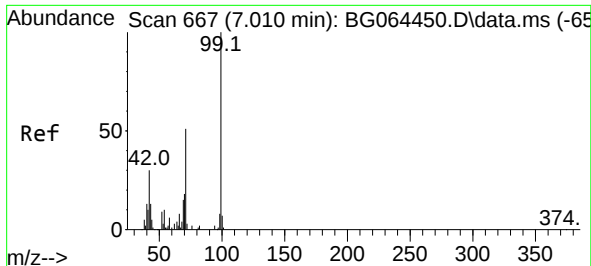
Tgt Ion:152 Resp: 24501
Ion Ratio Lower Upper
152 100
150 160.5 122.9 184.3
115 71.9 54.3 81.5



#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

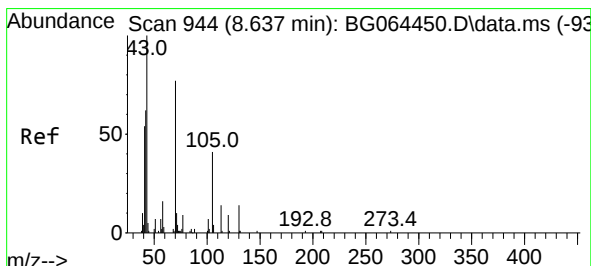
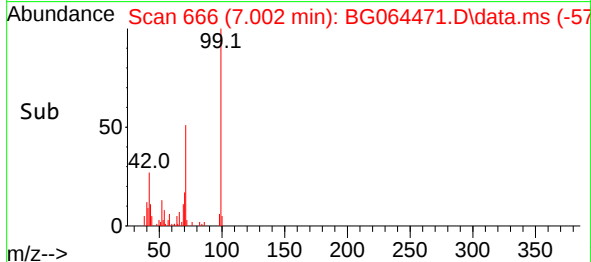
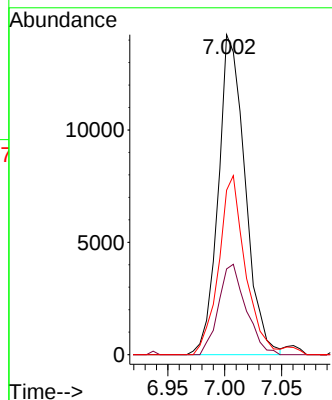
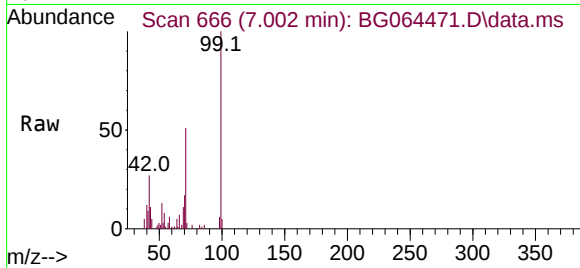




#7
Phenol-d6
Concen: 13.310 ng
RT: 7.002 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

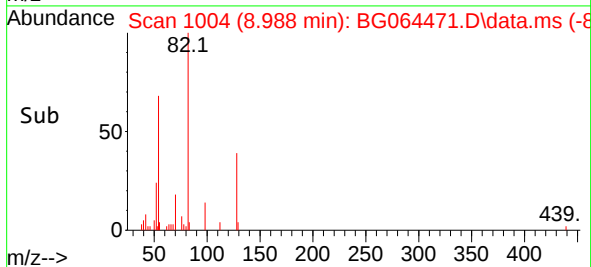
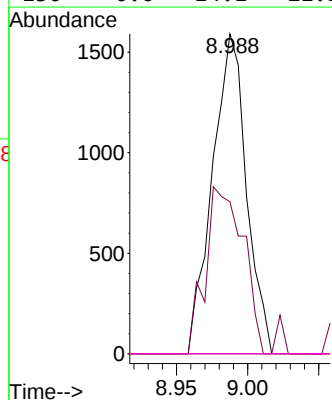
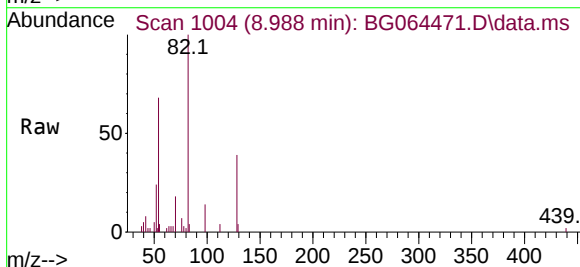
Instrument :
BNA_G
ClientSampleId :
WASTEDL

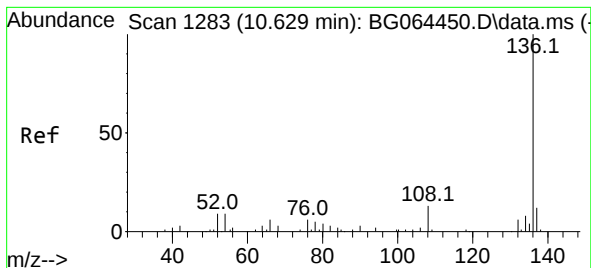
Tgt Ion: 99 Resp: 23380
Ion Ratio Lower Upper
99 100
42 26.8 24.0 36.0
71 51.4 40.5 60.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.230 ng
RT: 8.988 min Scan# 1004
Delta R.T. 0.350 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

Tgt Ion: 70 Resp: 2648
Ion Ratio Lower Upper
70 100
42 47.5 65.6 98.4#
101 0.0 7.7 11.5#
130 0.0 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: BG064471.D

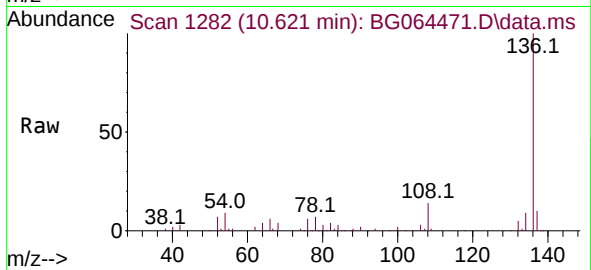
Acq: 29 Sep 2025 22:44

Instrument :

BNA_G

ClientSampleId :

WASTEDL



Tgt Ion:136 Resp: 103458

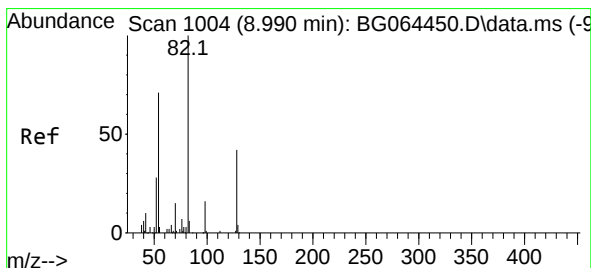
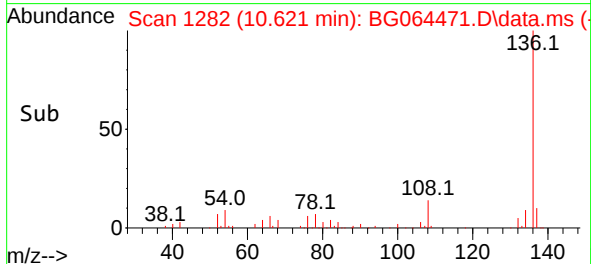
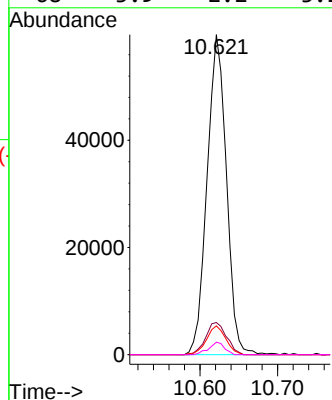
Ion Ratio Lower Upper

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

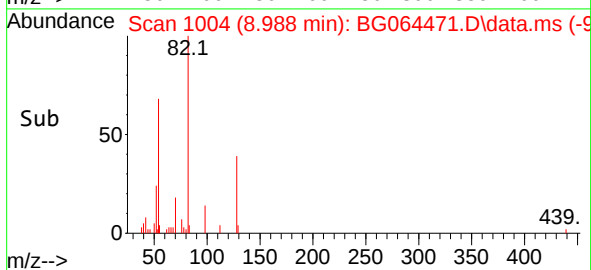
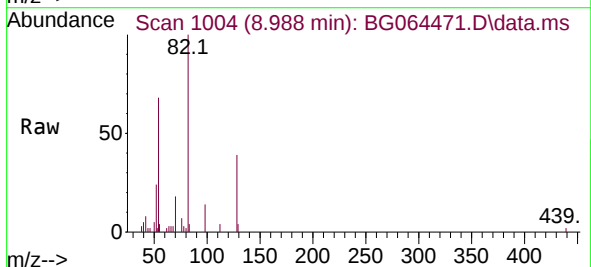
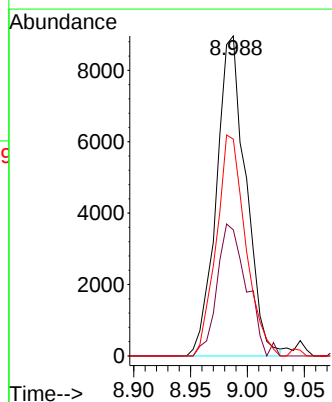
Tgt Ion: 82 Resp: 16136

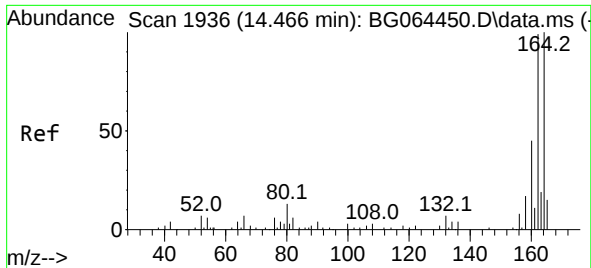
Ion Ratio Lower Upper

82 100

128 39.4 33.7 50.5

54 67.7 57.0 85.6

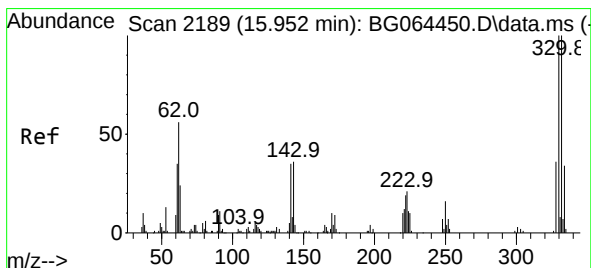
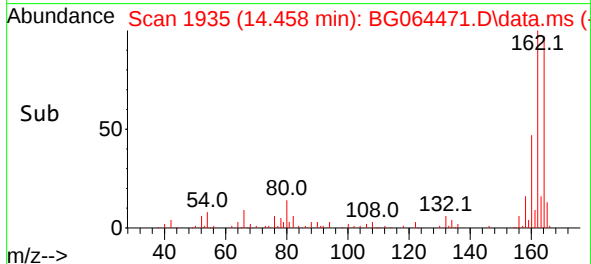
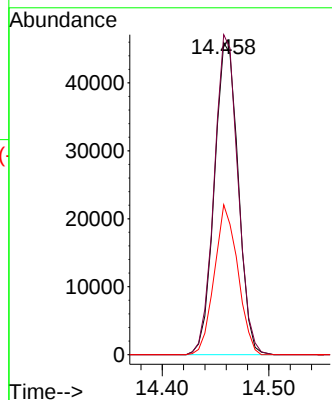
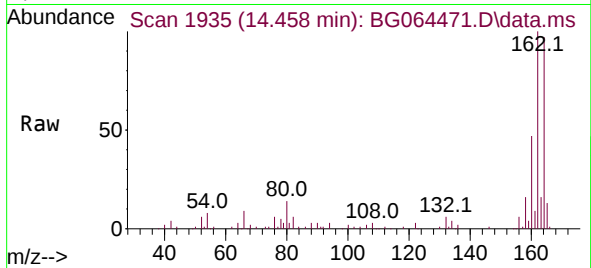




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.458 min Scan# 1935
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

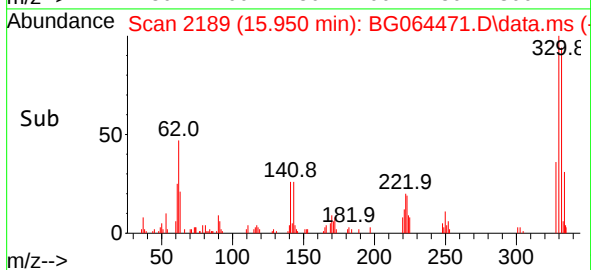
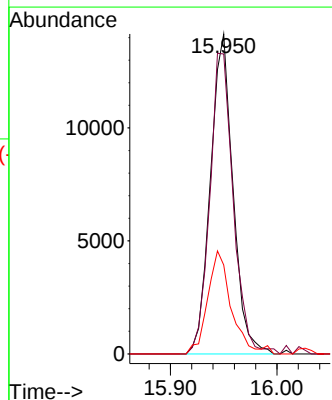
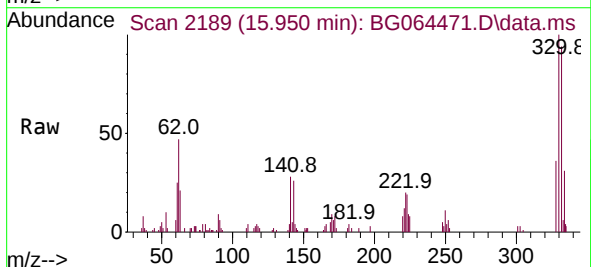
Instrument :
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ClientSampleId :
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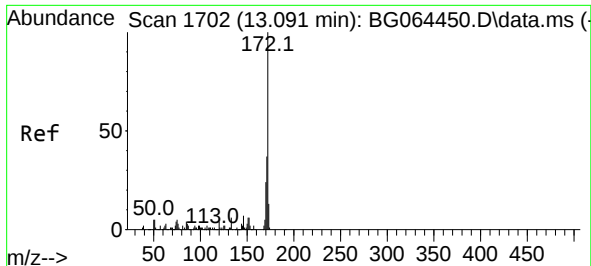
Tgt Ion:164 Resp: 71387
Ion Ratio Lower Upper
164 100
162 102.6 79.0 118.4
160 48.1 36.3 54.5



#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

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

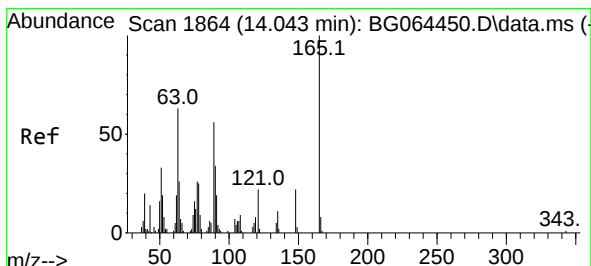
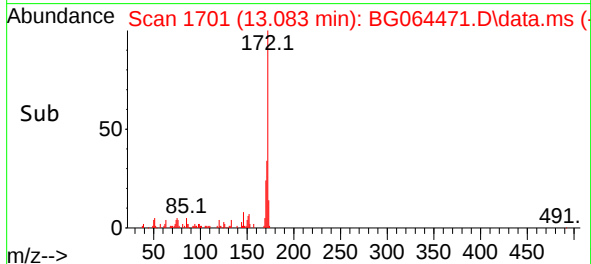
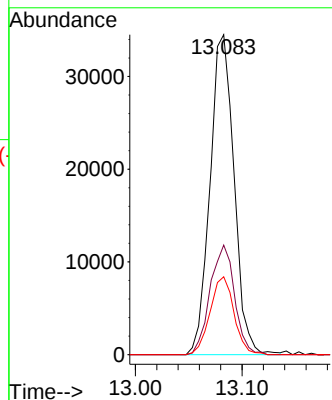
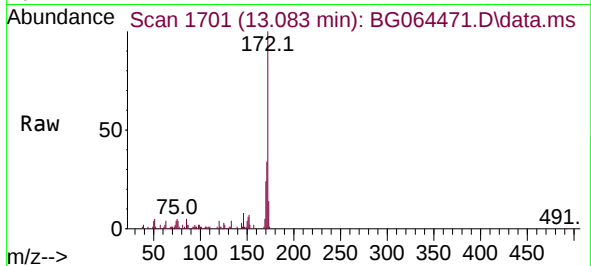




#45
2-Fluorobiphenyl
Concen: 11.196 ng
RT: 13.083 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

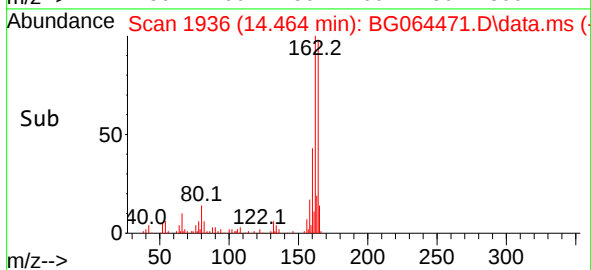
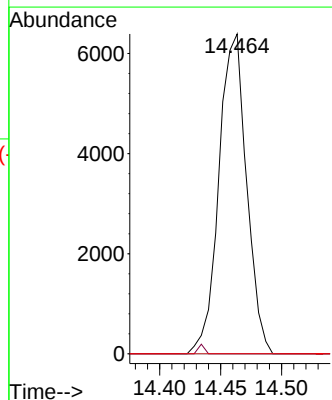
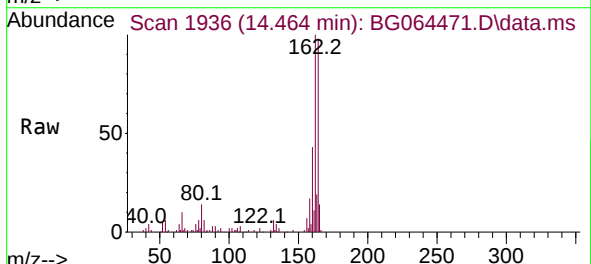
Instrument :
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ClientSampleId :
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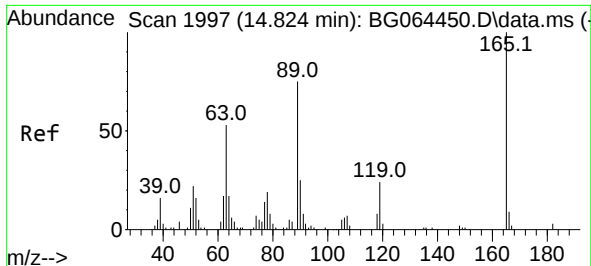
Tgt Ion:172 Resp: 54125
Ion Ratio Lower Upper
172 100
171 34.2 29.4 44.2
170 24.3 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.816 ng
RT: 14.464 min Scan# 1936
Delta R.T. 0.421 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

Tgt Ion:165 Resp: 10099
Ion Ratio Lower Upper
165 100
63 0.0 50.6 75.8#
89 0.0 44.6 67.0#

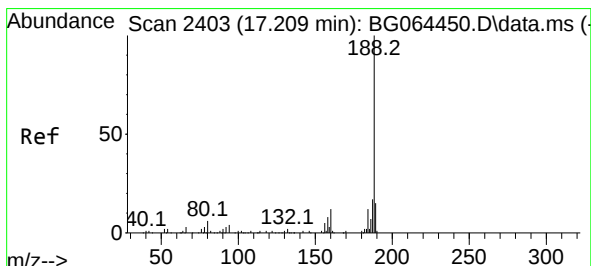
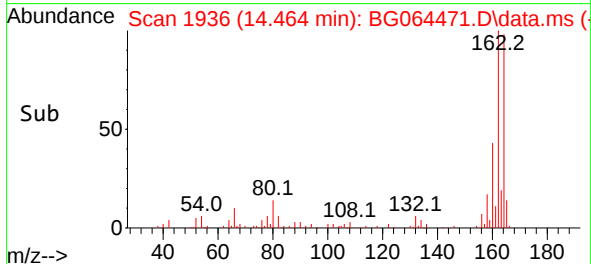
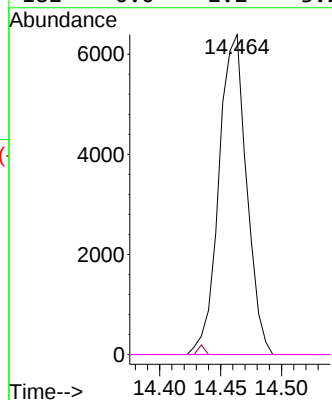
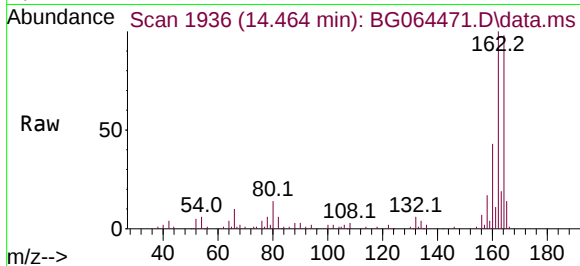




#57
2,4-Dinitrotoluene
Concen: 5.775 ng
RT: 14.464 min Scan# 1997
Delta R.T. -0.361 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

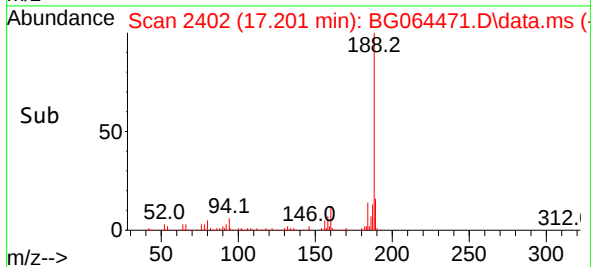
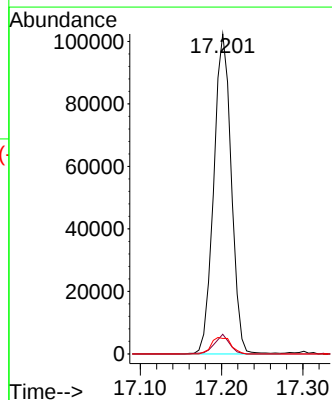
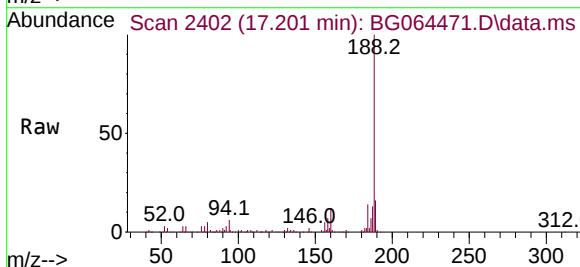
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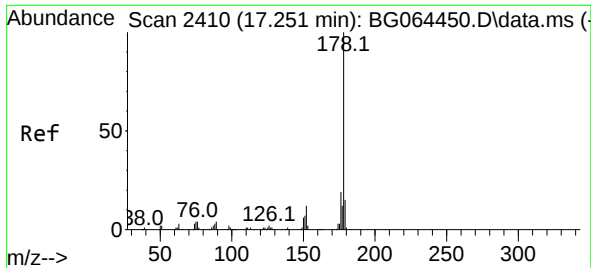
Tgt Ion:165	Resp:	10099
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.6 63.8#
89	0.0	59.7 89.5#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2402
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

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#

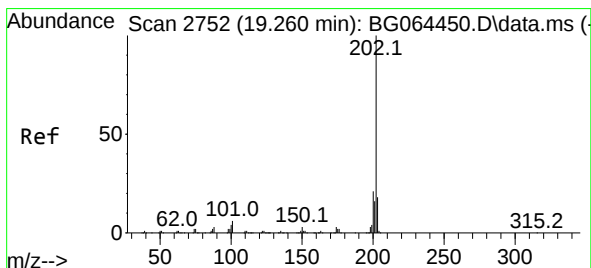
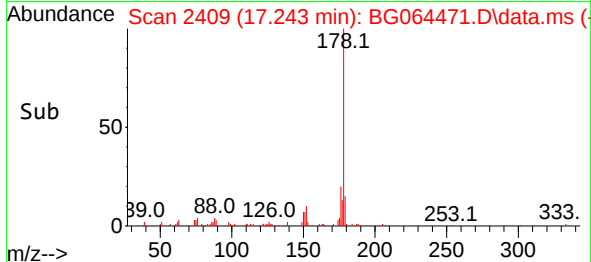
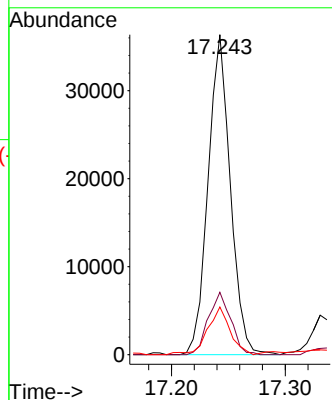
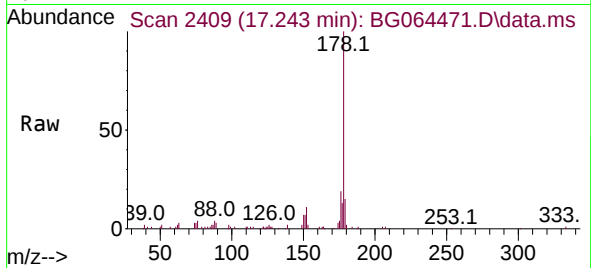




#71
Phenanthrene
Concen: 6.204 ng
RT: 17.243 min Scan# 2410
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

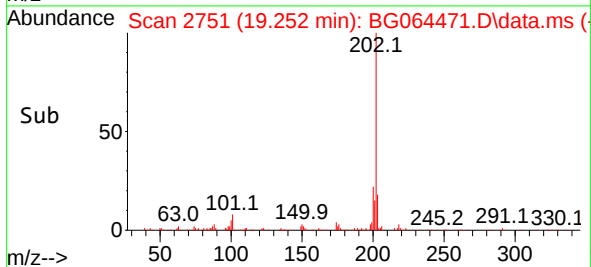
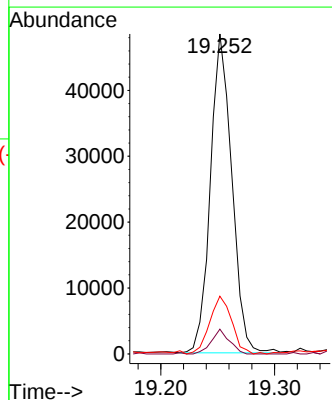
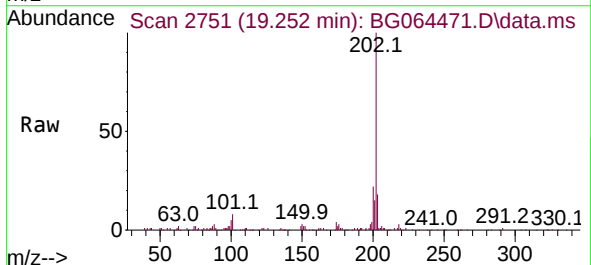
Instrument :
BNA_G
ClientSampleId :
WASTEDL

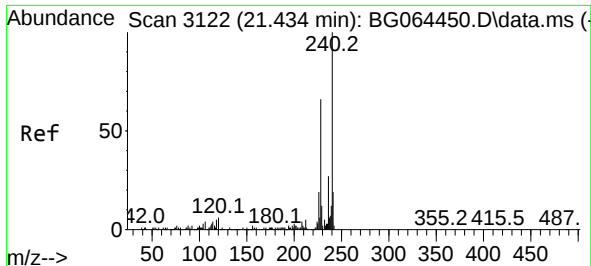
Tgt Ion:178 Resp: 49457
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 14.9 12.4 18.6



#75
Fluoranthene
Concen: 6.293 ng
RT: 19.252 min Scan# 2751
Delta R.T. -0.008 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

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

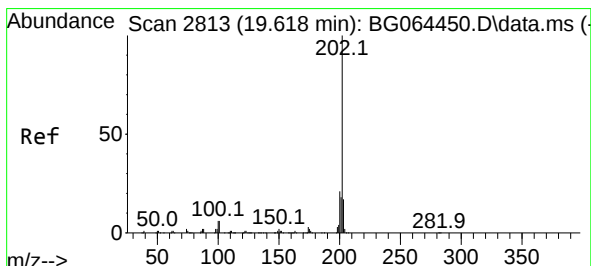
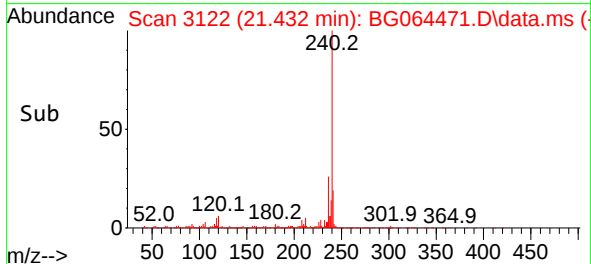
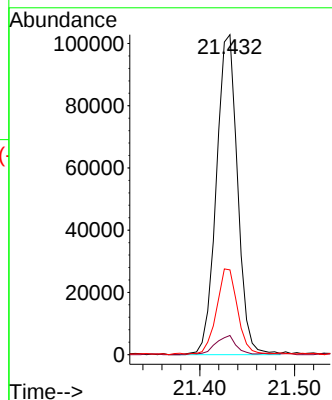
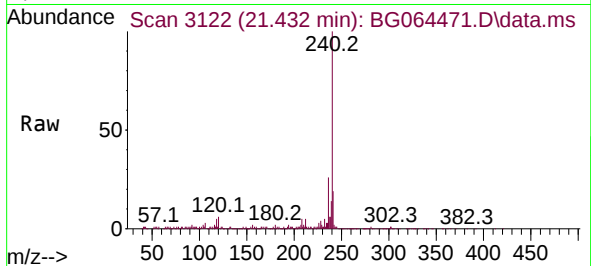




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.432 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

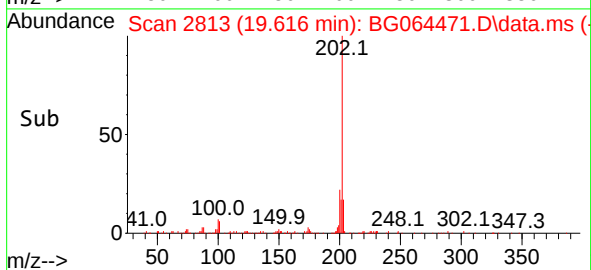
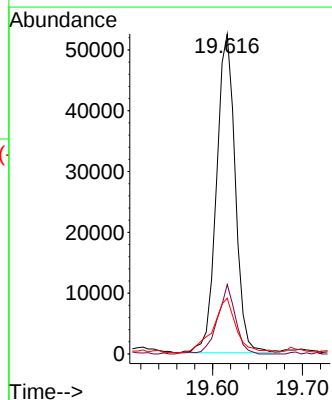
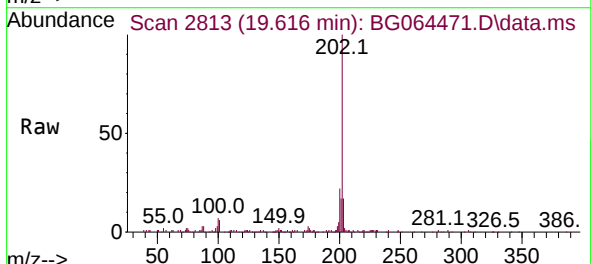
Instrument :
BNA_G
ClientSampleId :
WASTEDL

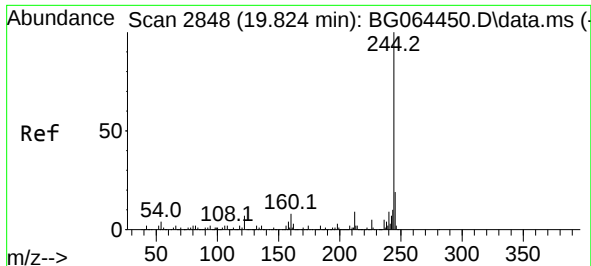
Tgt Ion:240 Resp: 159714
Ion Ratio Lower Upper
240 100
120 6.0 5.0 7.4
236 26.5 21.9 32.9



#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

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

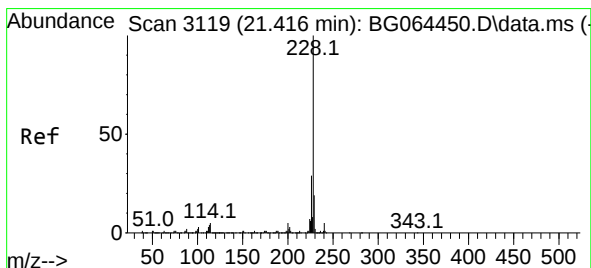
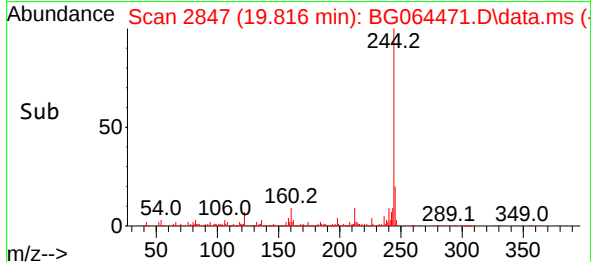
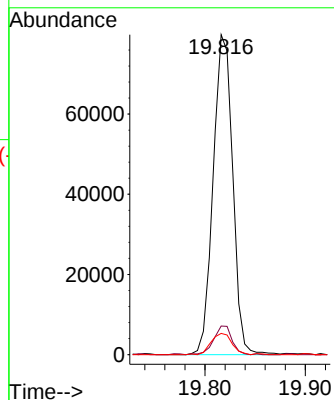
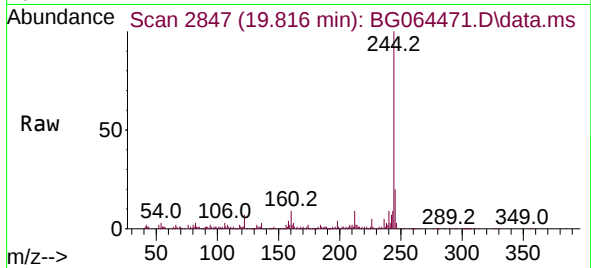




#79
 Terphenyl-d14
 Concen: 13.346 ng
 RT: 19.816 min Scan# 2847
 Delta R.T. -0.008 min
 Lab File: BG064471.D
 Acq: 29 Sep 2025 22:44

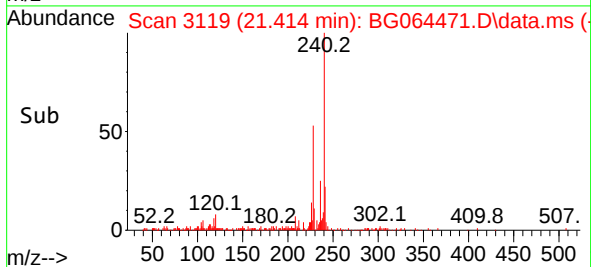
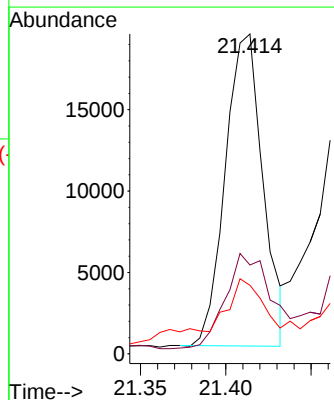
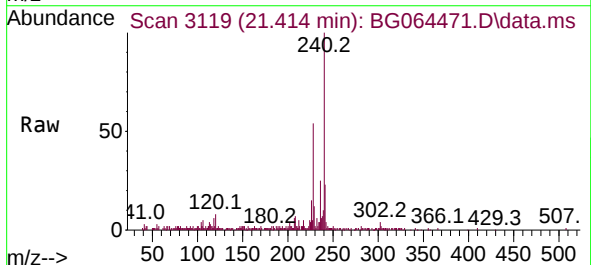
Instrument :
 BNA_G
 ClientSampleId :
 WASTEDL

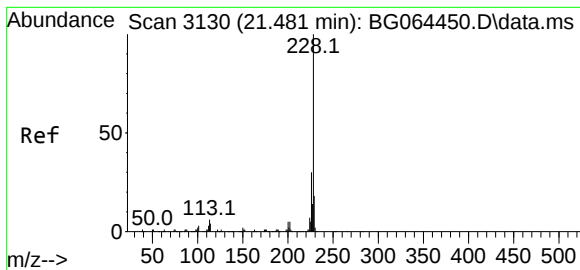
Tgt Ion:244 Resp: 108126
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.2 10.8
 122 6.6 5.7 8.5



#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

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: 3.037 ng

RT: 21.414 min Scan# 3119

Delta R.T. -0.067 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

Instrument :

BNA_G

ClientSampleId :

WASTEDL

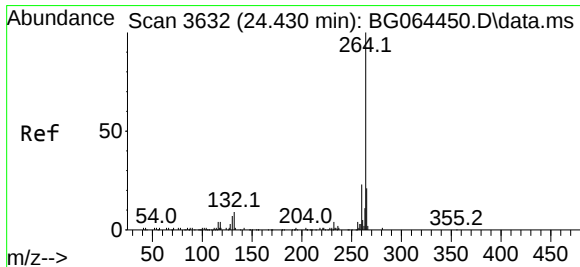
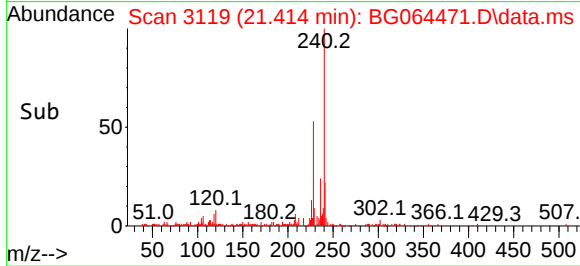
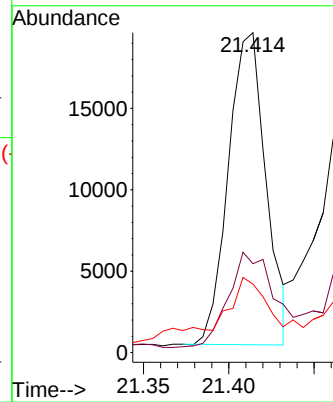
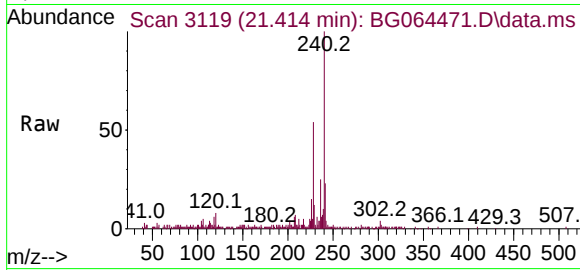
Tgt Ion:228 Resp: 29415

Ion Ratio Lower Upper

228 100

226 27.8 24.2 36.4

229 21.4 14.7 22.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.422 min Scan# 3631

Delta R.T. -0.008 min

Lab File: BG064471.D

Acq: 29 Sep 2025 22:44

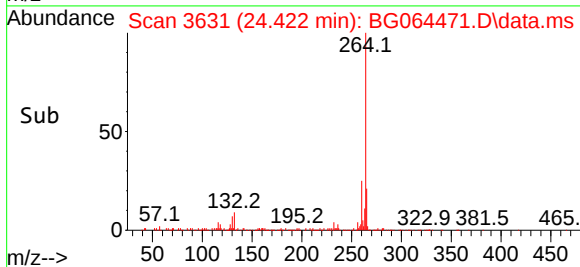
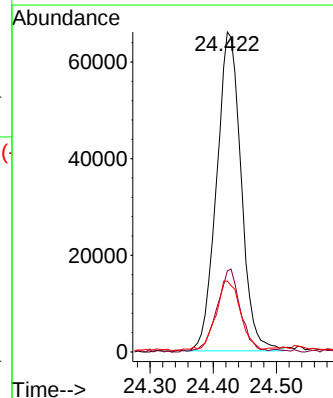
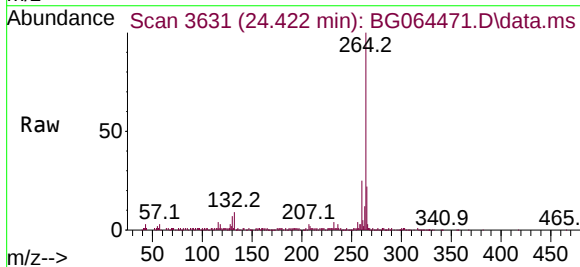
Tgt Ion:264 Resp: 177883

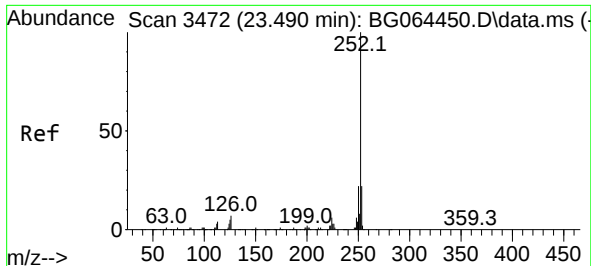
Ion Ratio Lower Upper

264 100

260 25.3 18.6 27.8

265 22.1 16.7 25.1

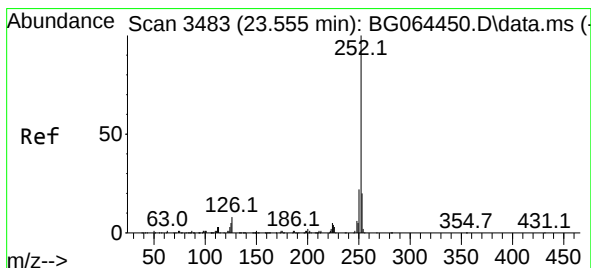
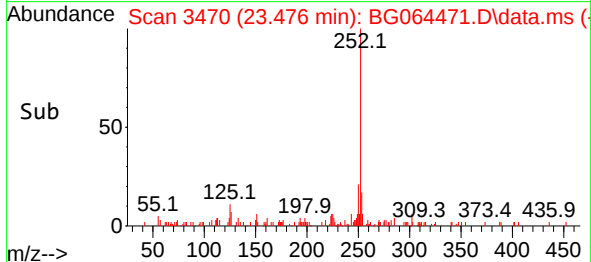
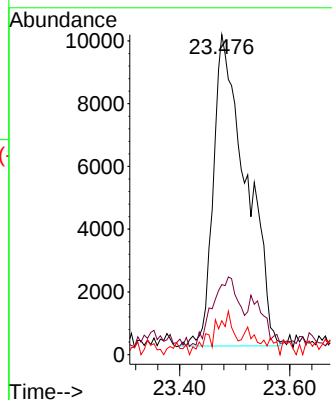
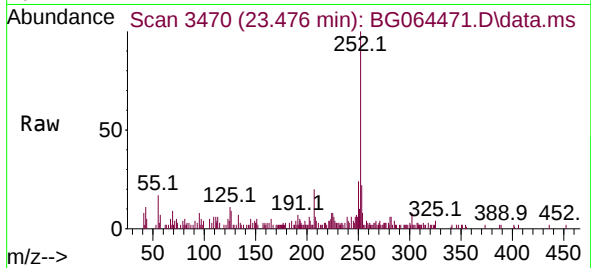




#88
Benzo(b)fluoranthene
Concen: 4.023 ng
RT: 23.476 min Scan# 3470
Delta R.T. -0.014 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

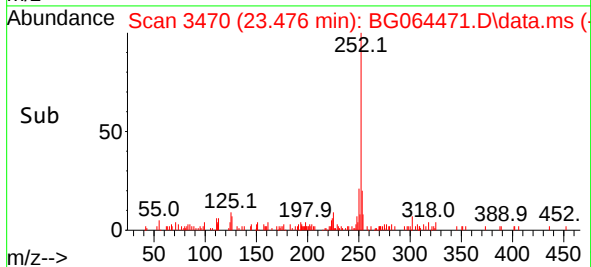
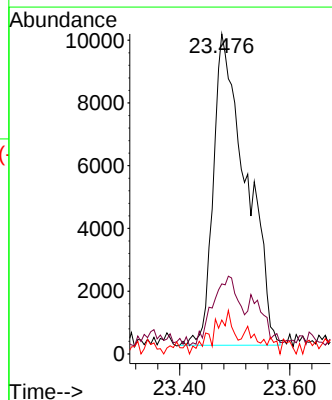
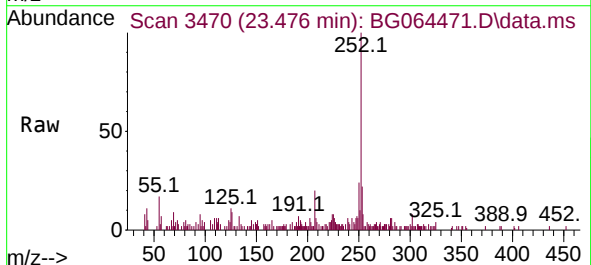
Instrument :
BNA_G
ClientSampleId :
WASTEDL

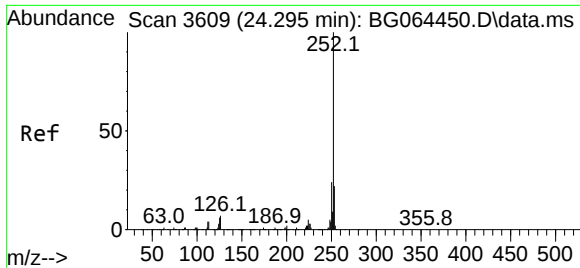
Tgt Ion:252 Resp: 41022
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.6 4.2 6.2#



#89
Benzo(k)fluoranthene
Concen: 4.021 ng
RT: 23.476 min Scan# 3470
Delta R.T. -0.079 min
Lab File: BG064471.D
Acq: 29 Sep 2025 22:44

Tgt Ion:252 Resp: 41022
Ion Ratio Lower Upper
252 100
253 21.9 16.6 24.8
125 10.6 4.4 6.6#





#90

Benzo(a)pyrene

Concen: 2.084 ng

RT: 24.146 min Scan# 3584

Delta R.T. -0.149 min

Lab File: BG064471.D

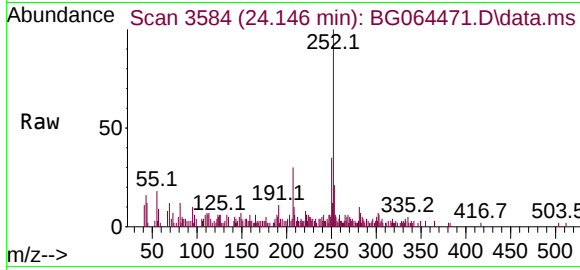
Acq: 29 Sep 2025 22:44

Instrument :

BNA_G

ClientSampleId :

WASTEDL



Tgt Ion:252 Resp: 19686

Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

125 5.8 4.6 7.0

