

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064613.D
 Acq On : 28 Oct 2025 22:39
 Operator : RC/JU
 Sample : Q3460-13 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Quant Time: Nov 04 05:55:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

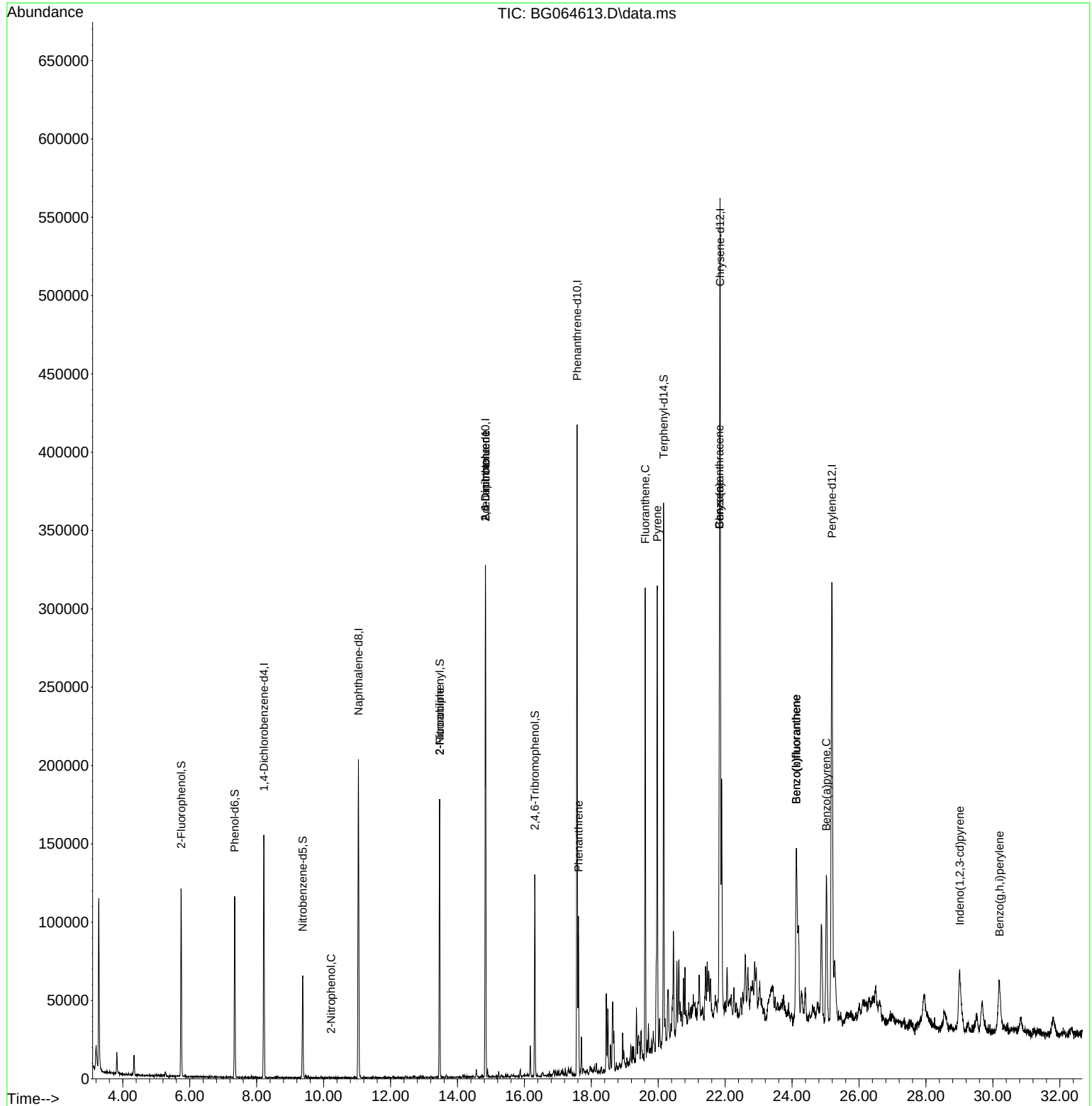
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.215	152	43582	20.000	ng	0.00
21) Naphthalene-d8	11.041	136	157160	20.000	ng	0.00
39) Acenaphthene-d10	14.837	164	116430	20.000	ng	0.00
64) Phenanthrene-d10	17.575	188	253116	20.000	ng	0.00
76) Chrysene-d12	21.846	240	306642	20.000	ng	-0.01
86) Perylene-d12	25.189	264	339356	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	45957	17.700	ng	0.00
7) Phenol-d6	7.345	99	58810	16.506	ng	0.00
23) Nitrobenzene-d5	9.378	82	35865	13.707	ng	0.00
42) 2,4,6-Tribromophenol	16.311	330	27878	16.590	ng	0.00
45) 2-Fluorobiphenyl	13.468	172	92106	11.991	ng	0.00
79) Terphenyl-d14	20.160	244	167937	10.335	ng	-0.01
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.224	139	54	3.177	ng	# 29
48) 2-Nitroaniline	13.468	65	117	3.277	ng	# 1
51) 2,6-Dinitrotoluene	14.837	165	15342	12.935	ng	# 18
57) 2,4-Dinitrotoluene	14.837	165	15342	9.372	ng	# 21
71) Phenanthrene	17.616	178	64937	4.691	ng	98
75) Fluoranthene	19.607	202	191266	11.030	ng	97
78) Pyrene	19.972	202	205725	10.269	ng	100
81) Benzo(a)anthracene	21.828	228	131327	6.459	ng	99
83) Chrysene	21.828	228	131327	6.788	ng	96
87) Indeno(1,2,3-cd)pyrene	29.008	276	70043	2.806	ng	96
88) Benzo(b)fluoranthene	24.126	252	150585	7.236	ng	98
89) Benzo(k)fluoranthene	24.126	252	150585	7.231	ng	99
90) Benzo(a)pyrene	25.025	252	112448	5.879	ng	98
92) Benzo(g,h,i)perylene	30.195	276	68395	3.530	ng	# 95

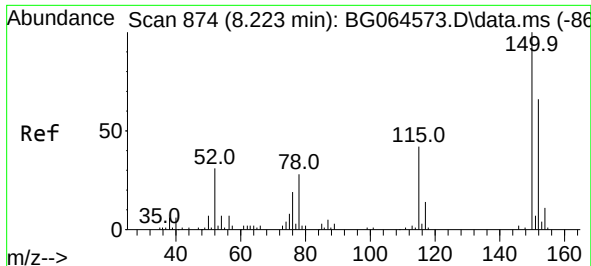
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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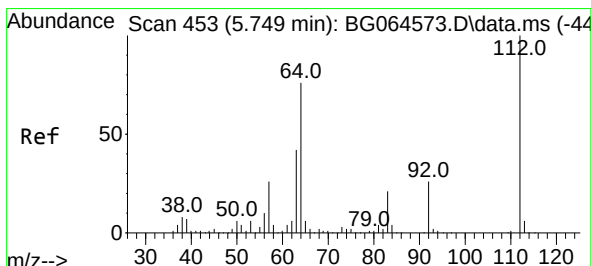
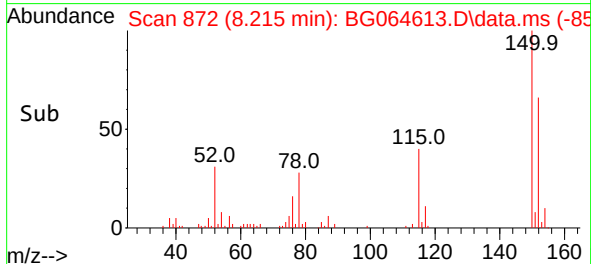
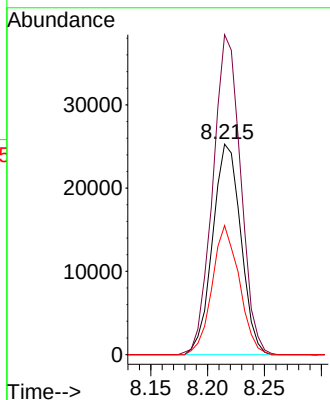
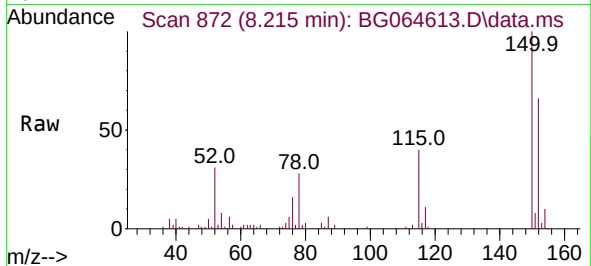




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.215 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

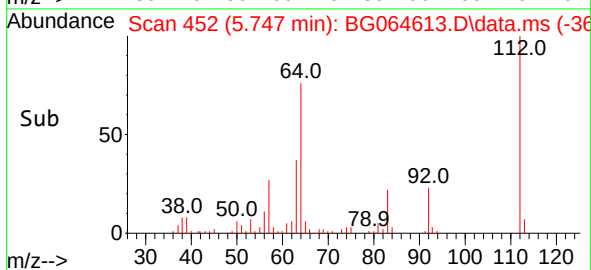
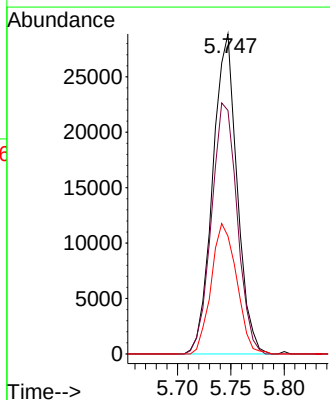
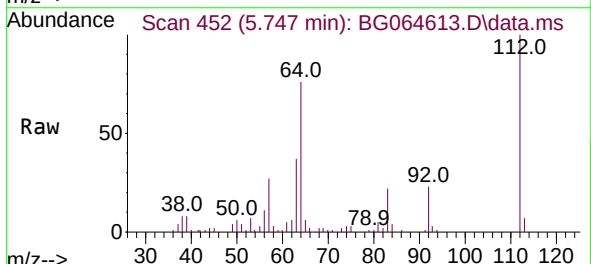
Instrument :
BNA_G
ClientSampleId :
WC-4

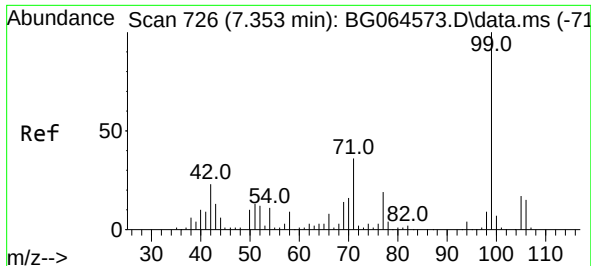
Tgt Ion:152 Resp: 43582
Ion Ratio Lower Upper
152 100
150 152.0 122.2 183.4
115 61.3 50.8 76.2



#5
2-Fluorophenol
Concen: 17.700 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.002 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:112 Resp: 45957
Ion Ratio Lower Upper
112 100
64 76.1 60.7 91.1
63 36.8 33.4 50.0

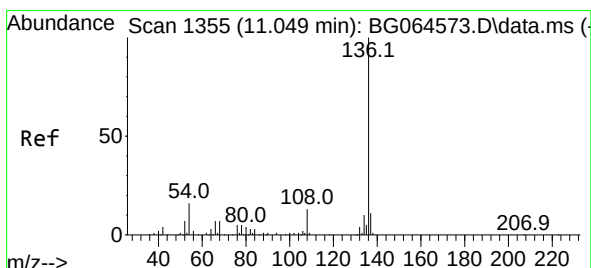
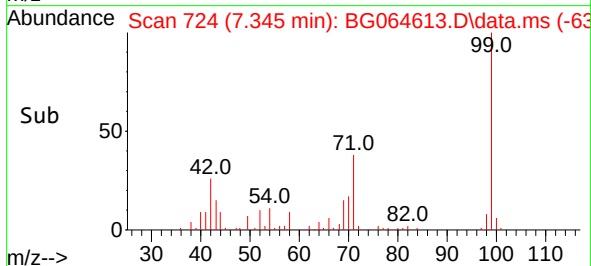
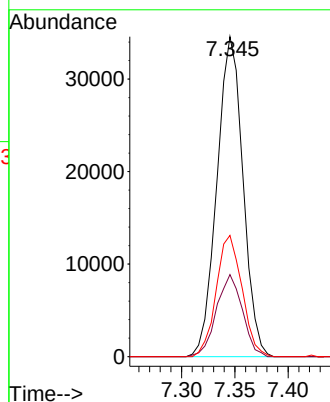
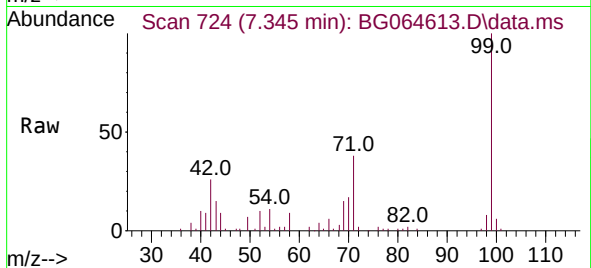




#7
Phenol-d6
Concen: 16.506 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

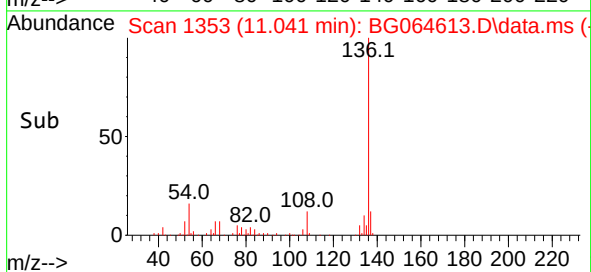
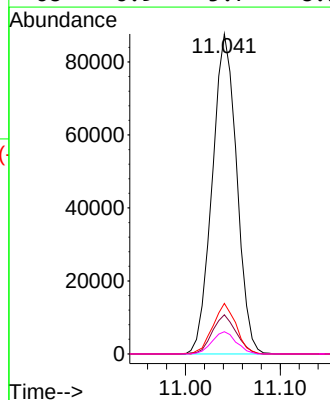
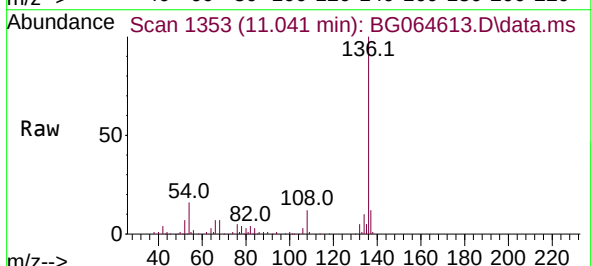
Instrument :
BNA_G
ClientSampleId :
WC-4

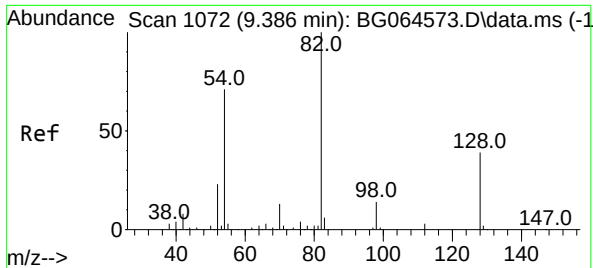
Tgt Ion:	99	Resp:	58810
Ion	Ratio	Lower	Upper
99	100		
42	25.6	18.3	27.5
71	37.9	28.6	43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.041 min Scan# 1353
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:	136	Resp:	157160
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	15.8	12.6	19.0
68	6.9	5.7	8.5





#23

Nitrobenzene-d5

Concen: 13.707 ng

RT: 9.378 min Scan# 1072

Delta R.T. -0.008 min

Lab File: BG064613.D

Acq: 28 Oct 2025 22:39

Instrument :

BNA_G

ClientSampleId :

WC-4

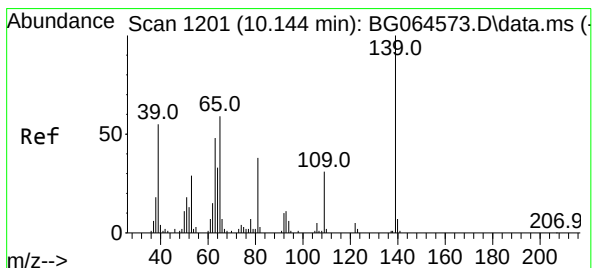
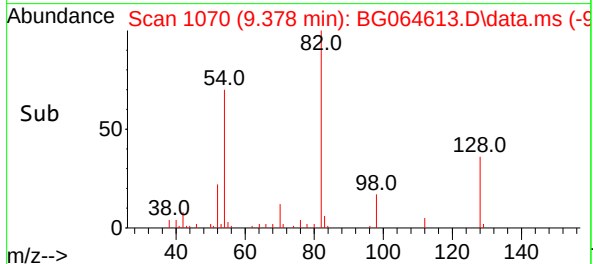
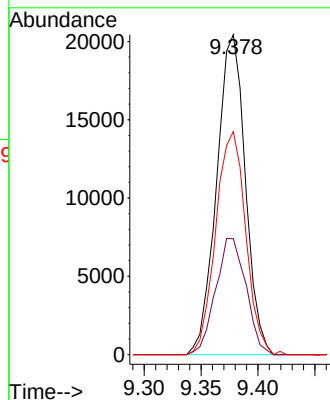
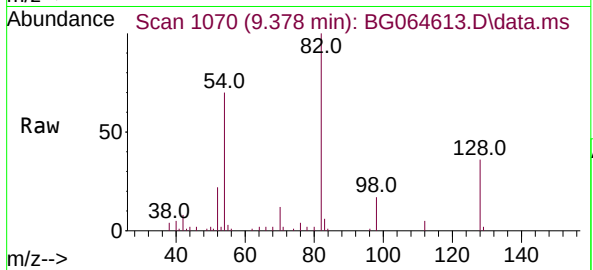
Tgt Ion: 82 Resp: 35865

Ion Ratio Lower Upper

82 100

128 36.2 31.3 46.9

54 69.7 56.6 84.8



#26

2-Nitrophenol

Concen: 3.177 ng

RT: 10.224 min Scan# 1214

Delta R.T. 0.080 min

Lab File: BG064613.D

Acq: 28 Oct 2025 22:39

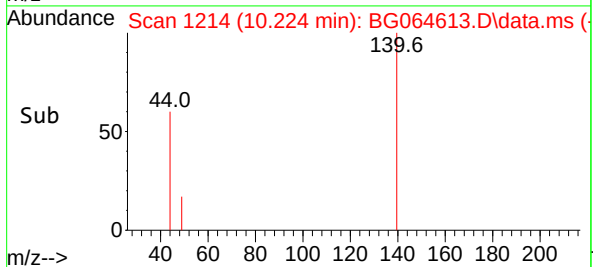
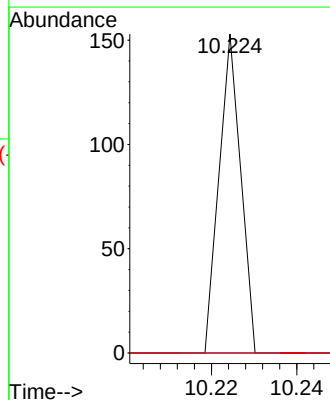
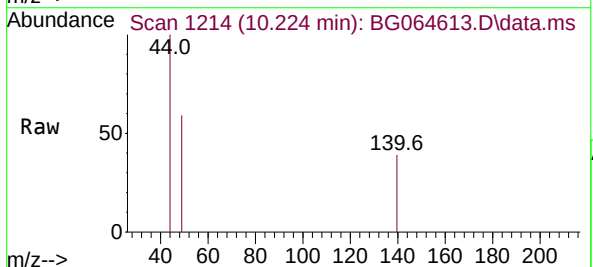
Tgt Ion: 139 Resp: 54

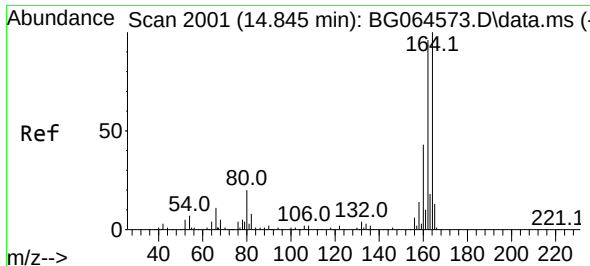
Ion Ratio Lower Upper

139 100

109 0.0 24.6 37.0#

65 0.0 47.5 71.3#

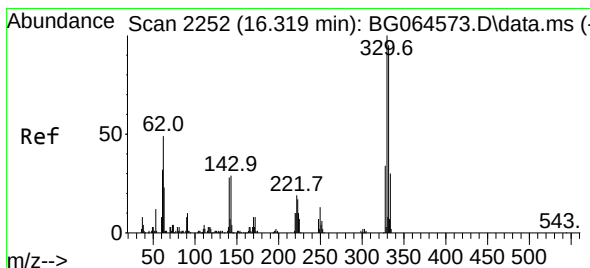
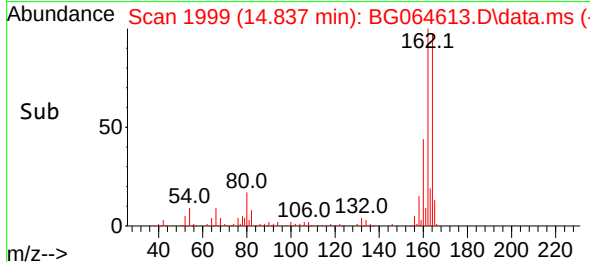
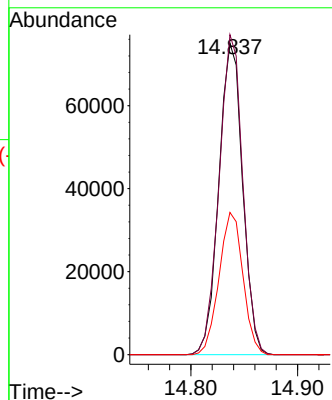
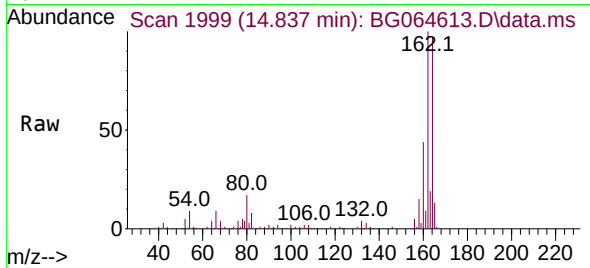




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.837 min Scan# 19
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

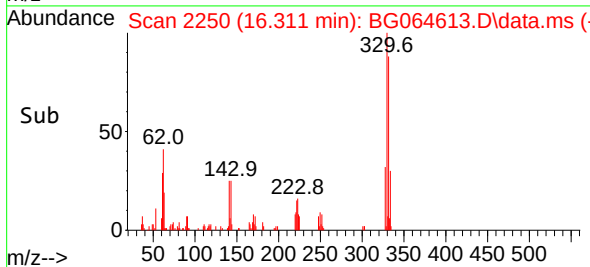
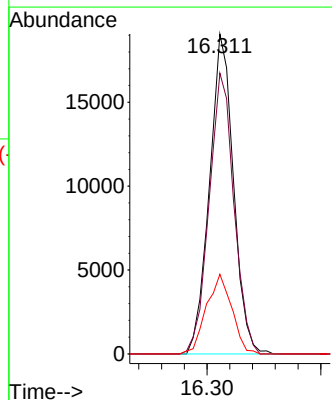
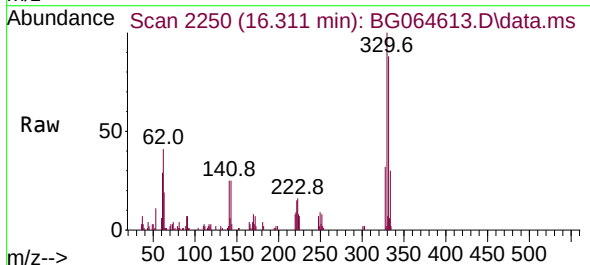
Instrument :
BNA_G
ClientSampleId :
WC-4

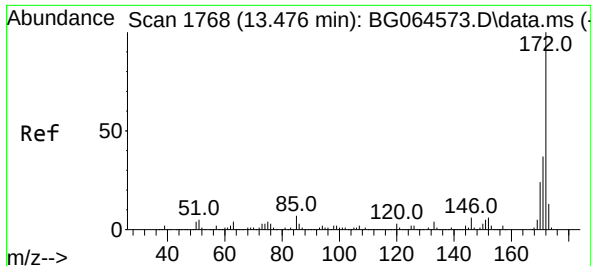
Tgt Ion:164 Resp: 116430
Ion Ratio Lower Upper
164 100
162 102.8 77.0 115.6
160 45.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 16.590 ng
RT: 16.311 min Scan# 2250
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:330 Resp: 27878
Ion Ratio Lower Upper
330 100
332 90.8 78.0 117.0
141 26.4 21.8 32.6

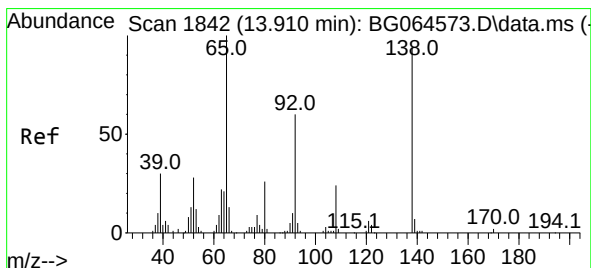
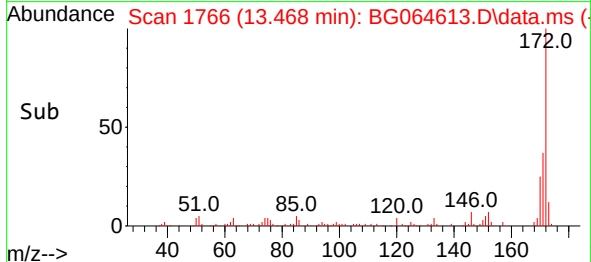
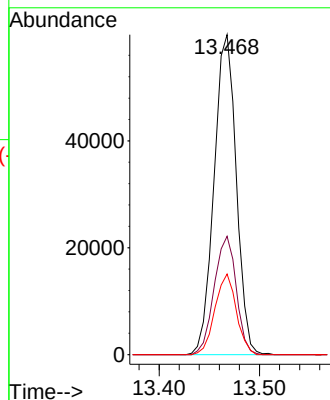
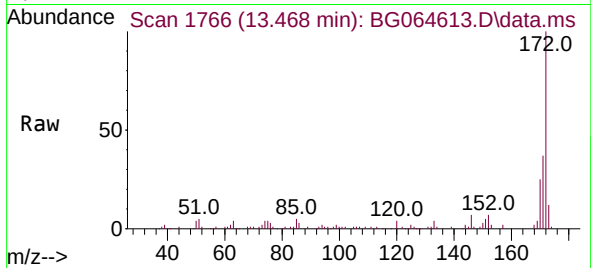




#45
2-Fluorobiphenyl
Concen: 11.991 ng
RT: 13.468 min Scan# 1766
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

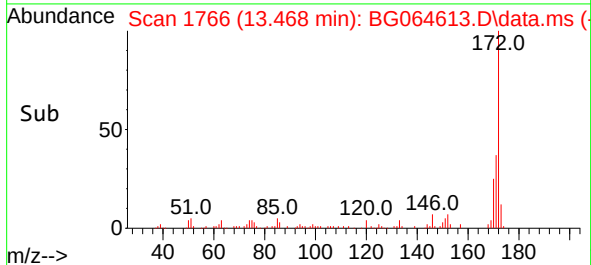
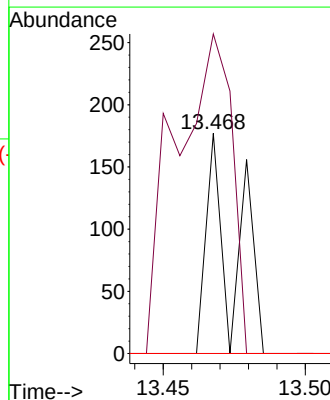
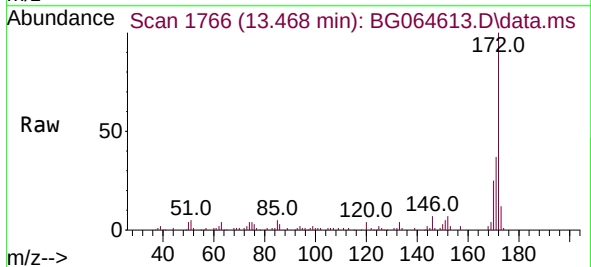
Instrument :
BNA_G
ClientSampleId :
WC-4

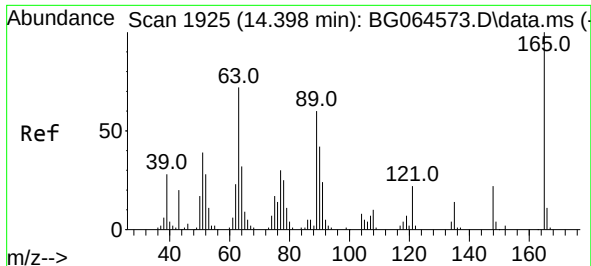
Tgt Ion:172 Resp: 92106
Ion Ratio Lower Upper
172 100
171 37.0 29.4 44.0
170 25.2 19.1 28.7



#48
2-Nitroaniline
Concen: 3.277 ng
RT: 13.468 min Scan# 1766
Delta R.T. -0.442 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion: 65 Resp: 117
Ion Ratio Lower Upper
65 100
92 145.2 48.3 72.5#
138 0.0 74.9 112.3#

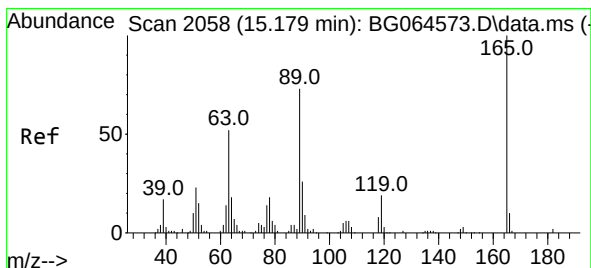
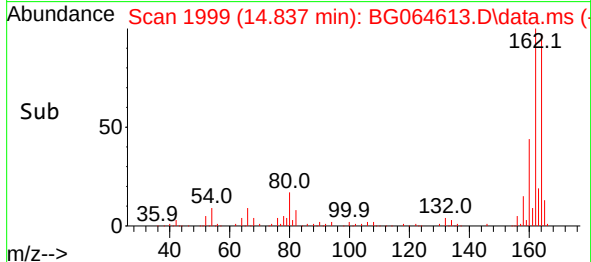
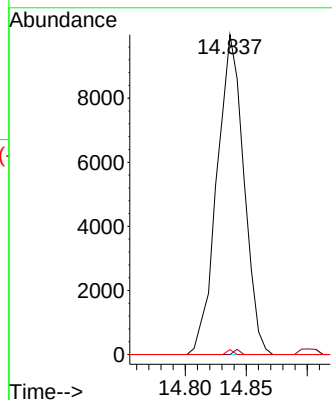
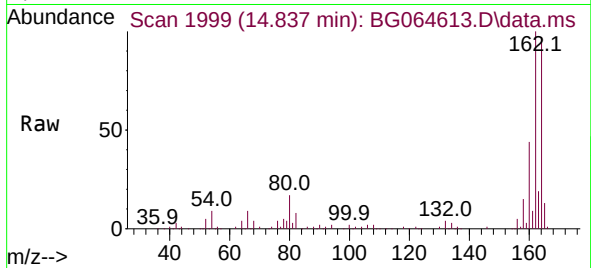




#51
2,6-Dinitrotoluene
Concen: 12.935 ng
RT: 14.837 min Scan# 1999
Delta R.T. 0.439 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

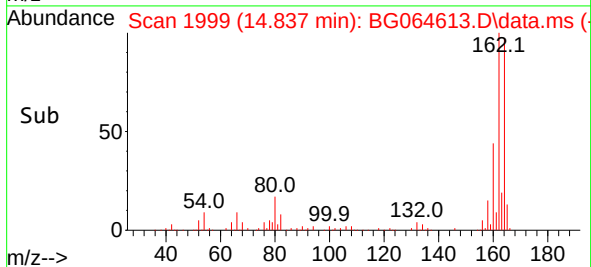
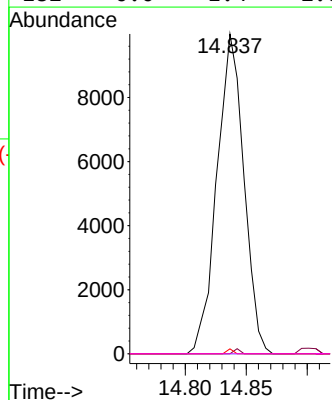
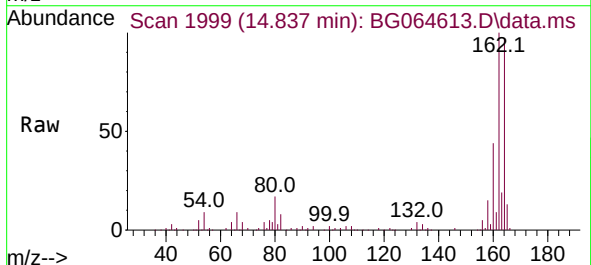
Instrument :
BNA_G
ClientSampleId :
WC-4

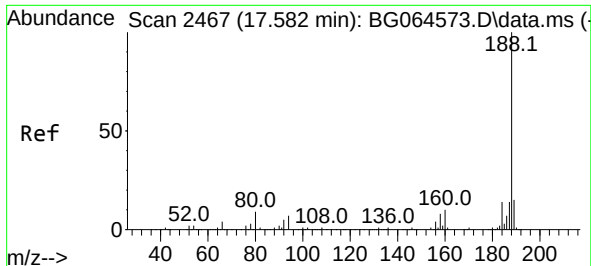
Tgt Ion:165 Resp: 15342
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 1.6 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.372 ng
RT: 14.837 min Scan# 1999
Delta R.T. -0.342 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:165 Resp: 15342
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 1.6 58.1 87.1#
182 0.0 1.4 2.0#

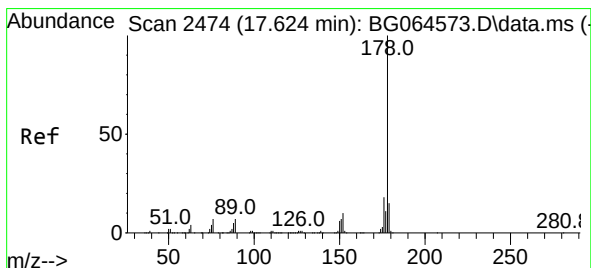
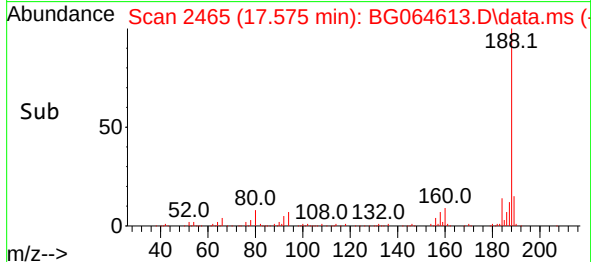
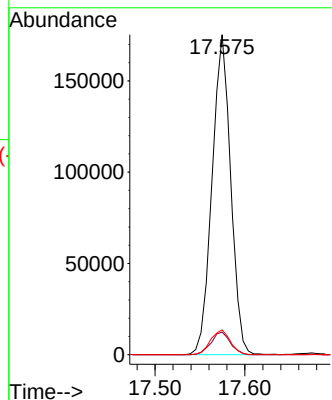
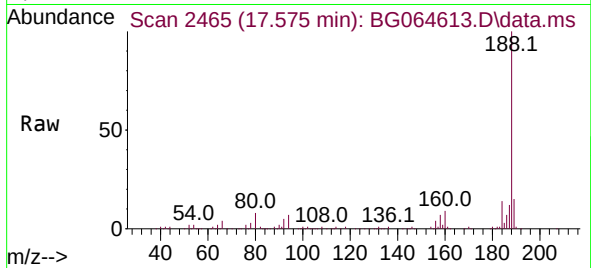




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.575 min Scan# 2465
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

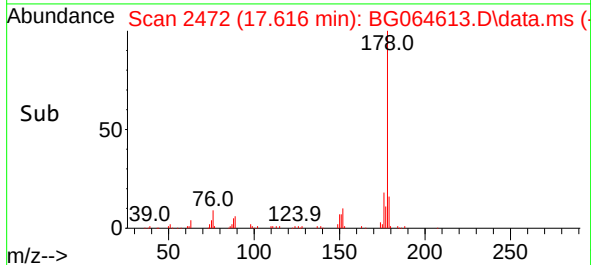
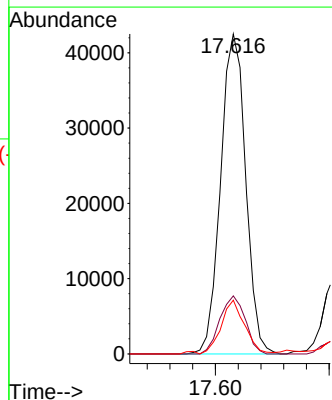
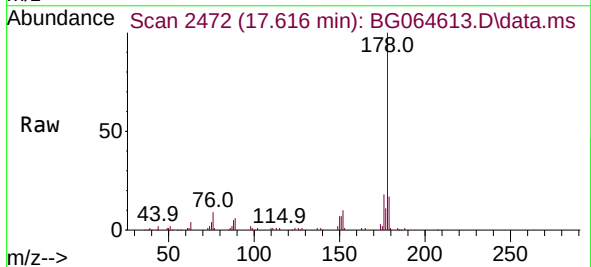
Instrument :
BNA_G
ClientSampleId :
WC-4

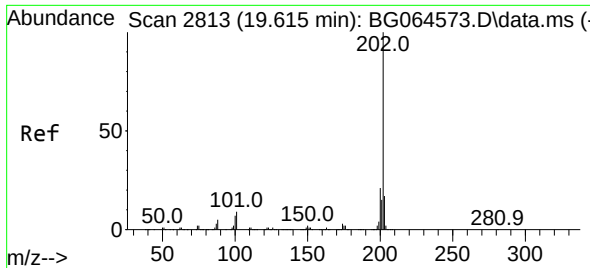
Tgt Ion:188 Resp: 253116
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.7 6.8 10.2



#71
Phenanthrene
Concen: 4.691 ng
RT: 17.616 min Scan# 2472
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:178 Resp: 64937
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 16.8 12.2 18.4

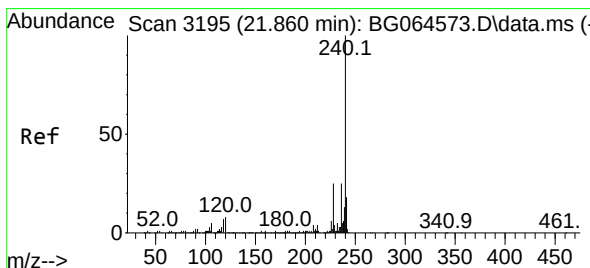
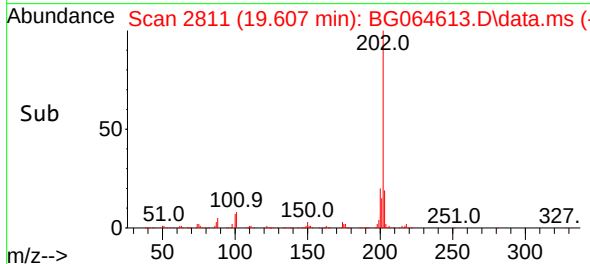
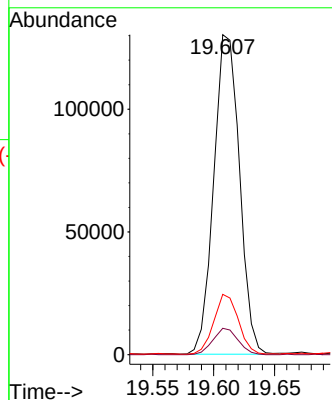
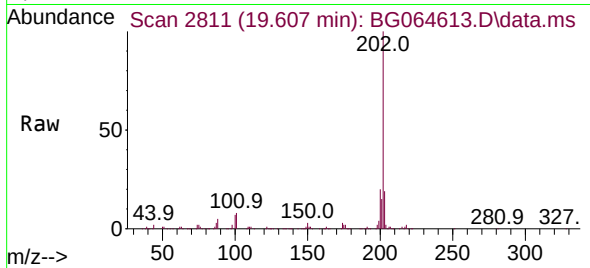




#75
Fluoranthene
Concen: 11.030 ng
RT: 19.607 min Scan# 2811
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

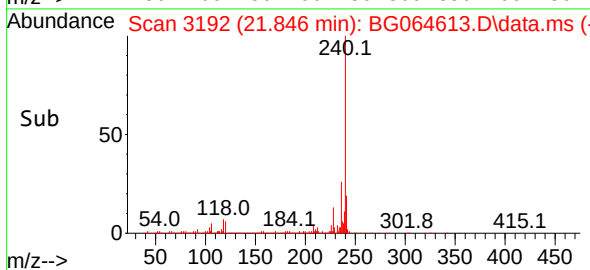
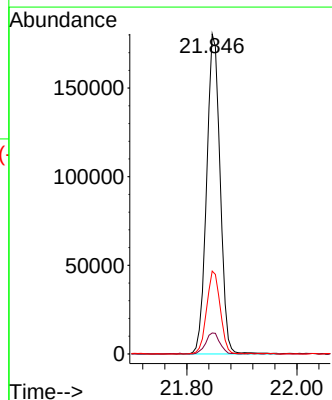
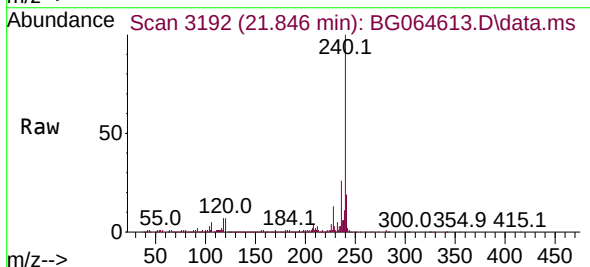
Instrument :
BNA_G
ClientSampleId :
WC-4

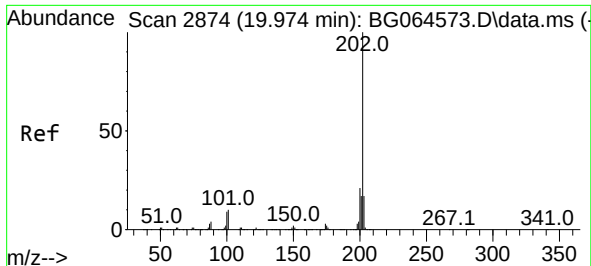
Tgt Ion:	202	Resp:	191266
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	28.7
203	18.8	0.0	37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.846 min Scan# 3192
Delta R.T. -0.014 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:	240	Resp:	306642
Ion Ratio	Lower	Upper	
240	100		
120	6.5	6.5	9.7
236	25.9	20.2	30.2

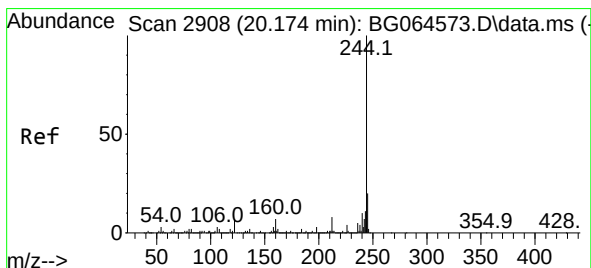
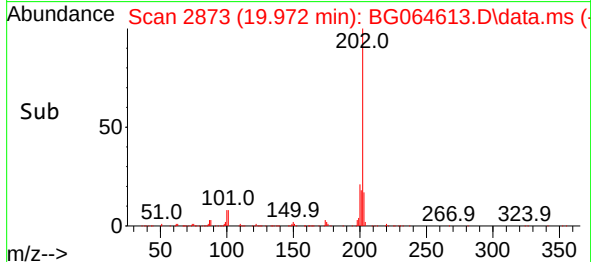
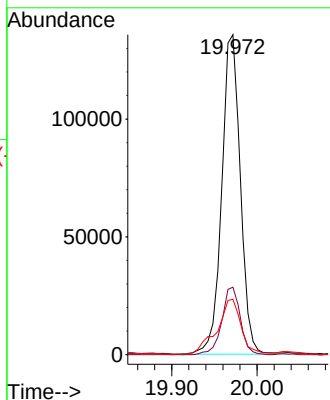
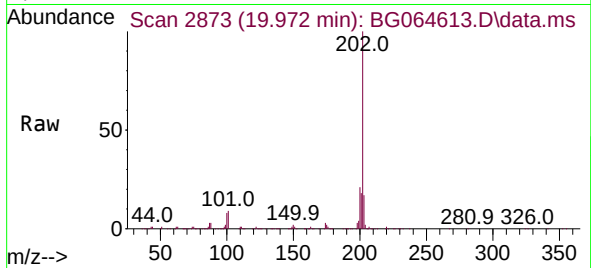




#78
 Pyrene
 Concen: 10.269 ng
 RT: 19.972 min Scan# 2874
 Delta R.T. -0.002 min
 Lab File: BG064613.D
 Acq: 28 Oct 2025 22:39

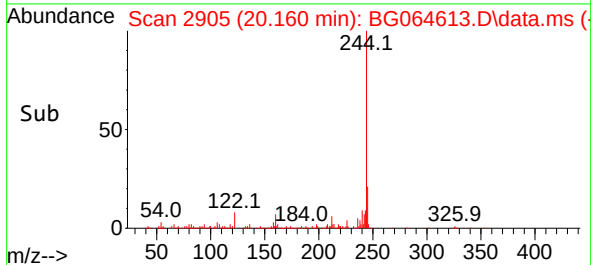
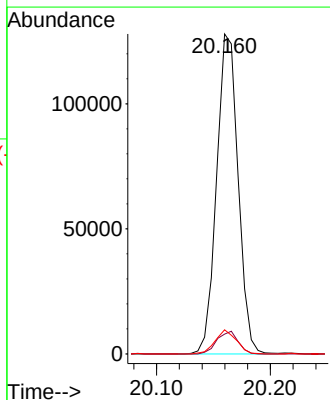
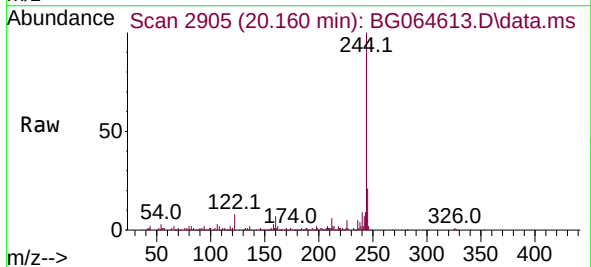
Instrument :
 BNA_G
 ClientSampleId :
 WC-4

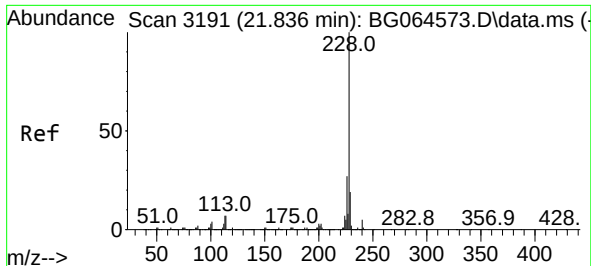
Tgt Ion:202 Resp: 205725
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.4
 203 17.3 13.8 20.6



#79
 Terphenyl-d14
 Concen: 10.335 ng
 RT: 20.160 min Scan# 2905
 Delta R.T. -0.014 min
 Lab File: BG064613.D
 Acq: 28 Oct 2025 22:39

Tgt Ion:244 Resp: 167937
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.1 9.1
 122 7.5 5.6 8.4

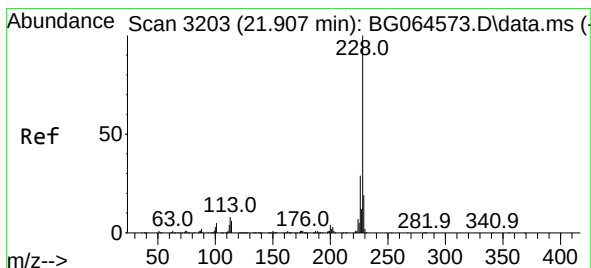
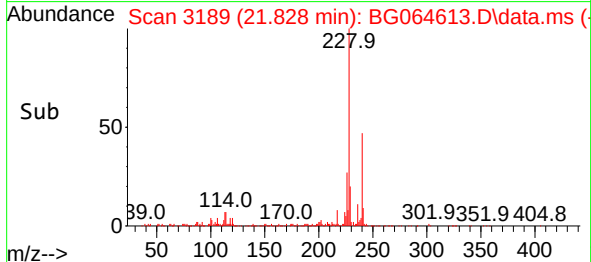
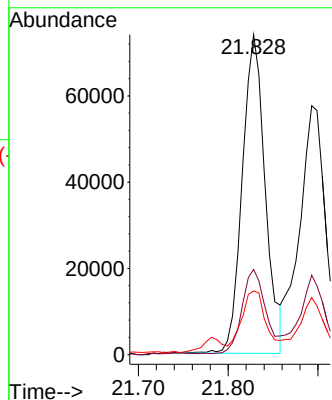
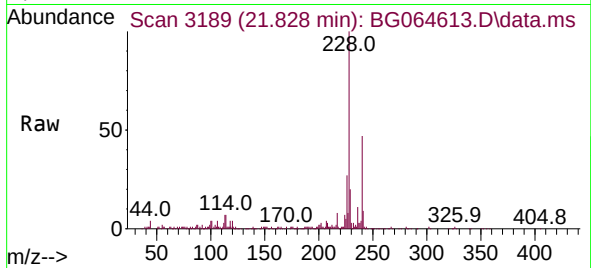




#81
Benzo(a)anthracene
Concen: 6.459 ng
RT: 21.828 min Scan# 3191
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

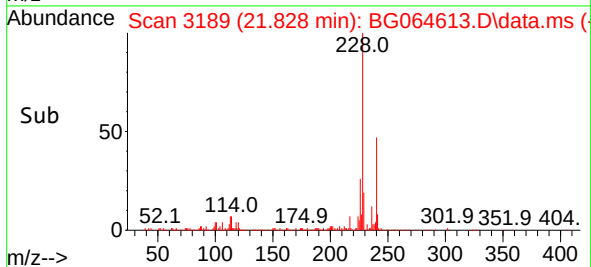
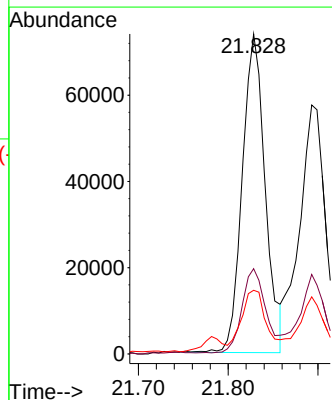
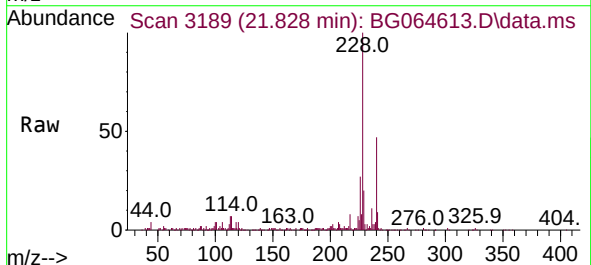
Instrument :
BNA_G
ClientSampleId :
WC-4

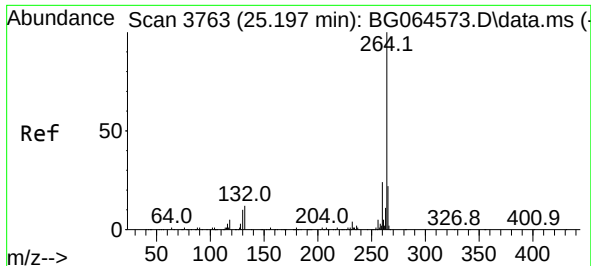
Tgt Ion:228 Resp: 131327
Ion Ratio Lower Upper
228 100
226 26.6 21.9 32.9
229 19.9 15.6 23.4



#83
Chrysene
Concen: 6.788 ng
RT: 21.828 min Scan# 3189
Delta R.T. -0.078 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:228 Resp: 131327
Ion Ratio Lower Upper
228 100
226 26.6 23.3 34.9
229 19.9 15.2 22.8

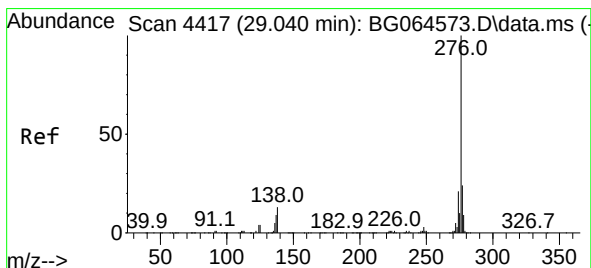
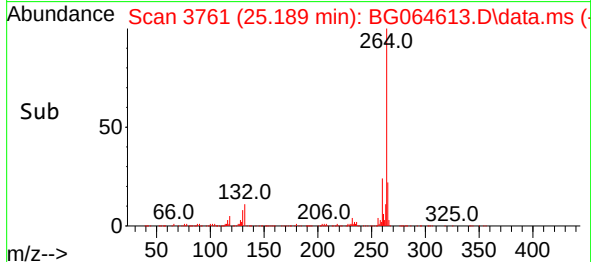
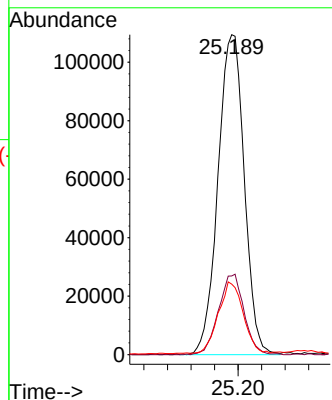
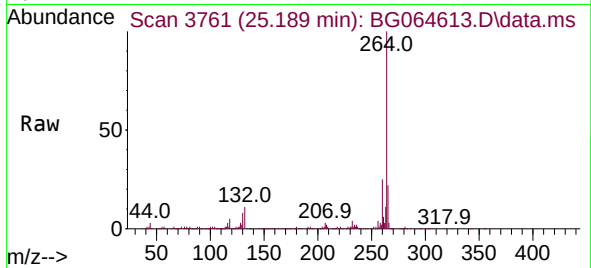




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.189 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

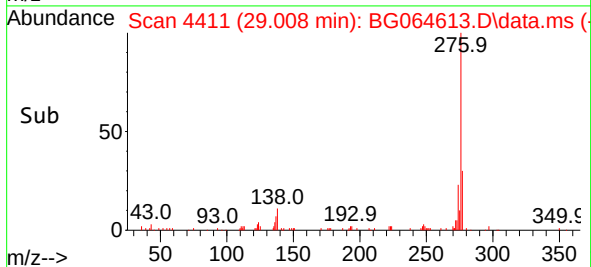
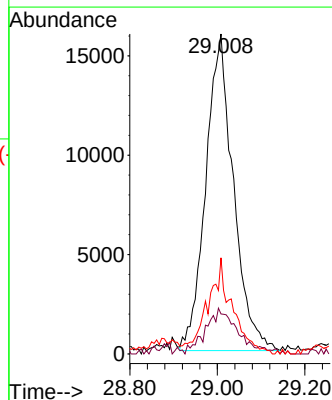
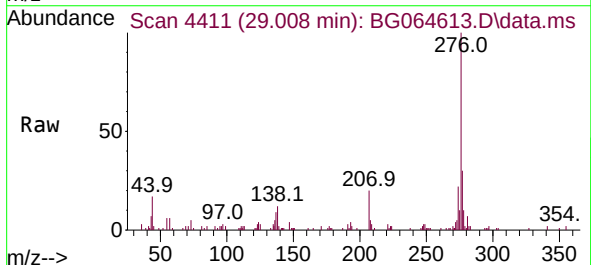
Instrument :
BNA_G
ClientSampleId :
WC-4

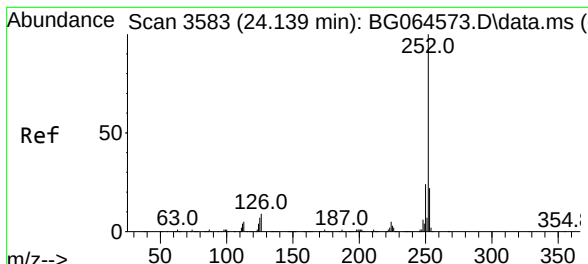
Tgt Ion:264	Resp:	339356
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.0 28.4
265	22.0	17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.806 ng
RT: 29.008 min Scan# 4411
Delta R.T. -0.031 min
Lab File: BG064613.D
Acq: 28 Oct 2025 22:39

Tgt Ion:276	Resp:	70043
Ion Ratio	Lower	Upper
276	100	
138	15.8	10.8 16.2
277	27.0	20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 7.236 ng

RT: 24.126 min Scan# 3580

Delta R.T. -0.014 min

Lab File: BG064613.D

Acq: 28 Oct 2025 22:39

Instrument :

BNA_G

ClientSampleId :

WC-4

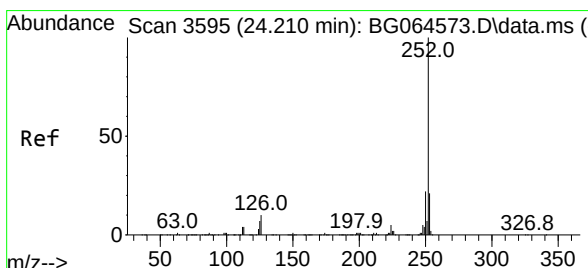
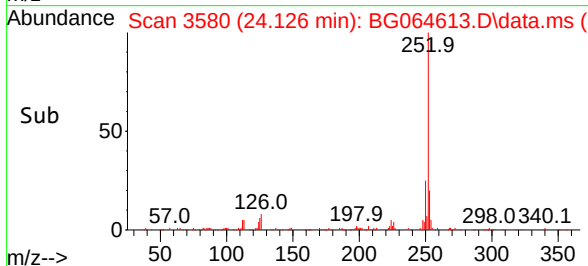
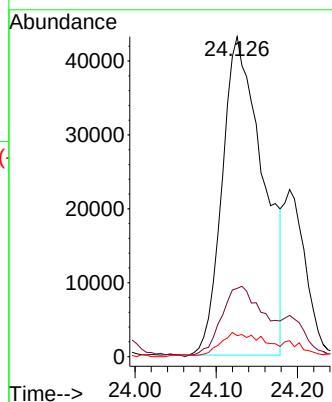
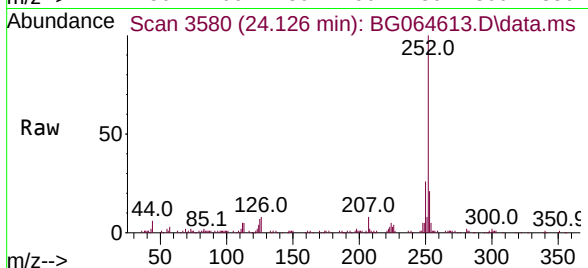
Tgt Ion:252 Resp: 150585

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.8

125 6.6 5.6 8.4



#89

Benzo(k)fluoranthene

Concen: 7.231 ng

RT: 24.126 min Scan# 3580

Delta R.T. -0.084 min

Lab File: BG064613.D

Acq: 28 Oct 2025 22:39

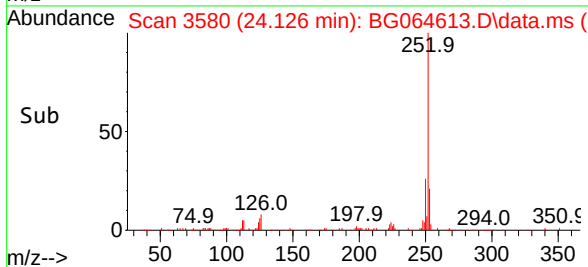
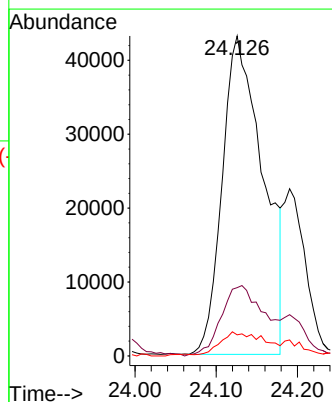
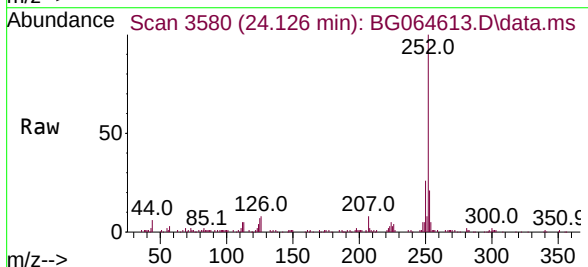
Tgt Ion:252 Resp: 150585

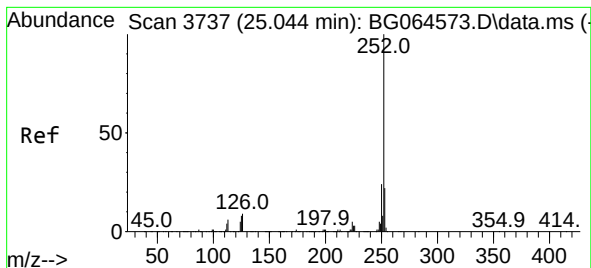
Ion Ratio Lower Upper

252 100

253 21.3 16.8 25.2

125 6.6 5.4 8.0





#90

Benzo(a)pyrene

Concen: 5.879 ng

RT: 25.025 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG064613.D

Acq: 28 Oct 2025 22:39

Instrument :

BNA_G

ClientSampleId :

WC-4

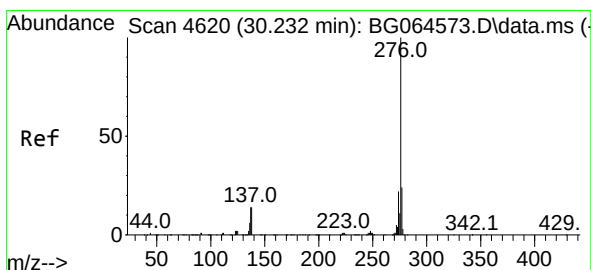
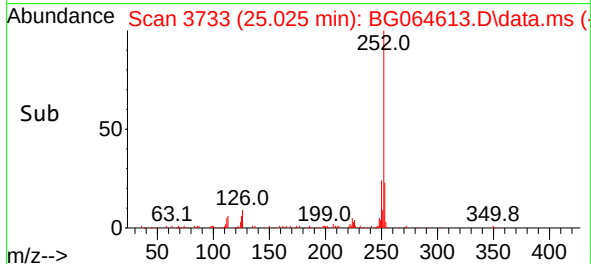
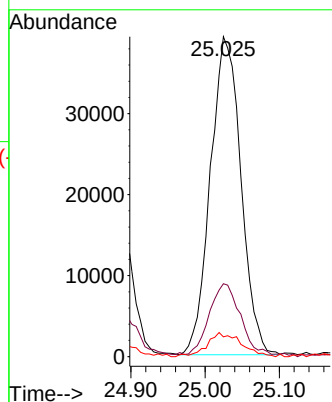
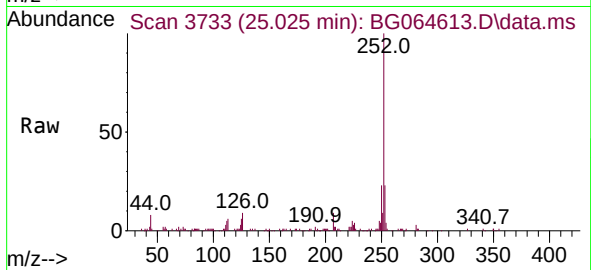
Tgt Ion:252 Resp: 112448

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 6.2 6.1 9.1



#92

Benzo(g,h,i)perylene

Concen: 3.530 ng

RT: 30.195 min Scan# 4613

Delta R.T. -0.037 min

Lab File: BG064613.D

Acq: 28 Oct 2025 22:39

Tgt Ion:276 Resp: 68395

Ion Ratio Lower Upper

276 100

277 22.4 19.1 28.7

138 11.1 11.3 16.9#

