

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064344.D
 Acq On : 10 Sep 2025 22:53
 Operator : RC/JU
 Sample : Q3055-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 11 01:20:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

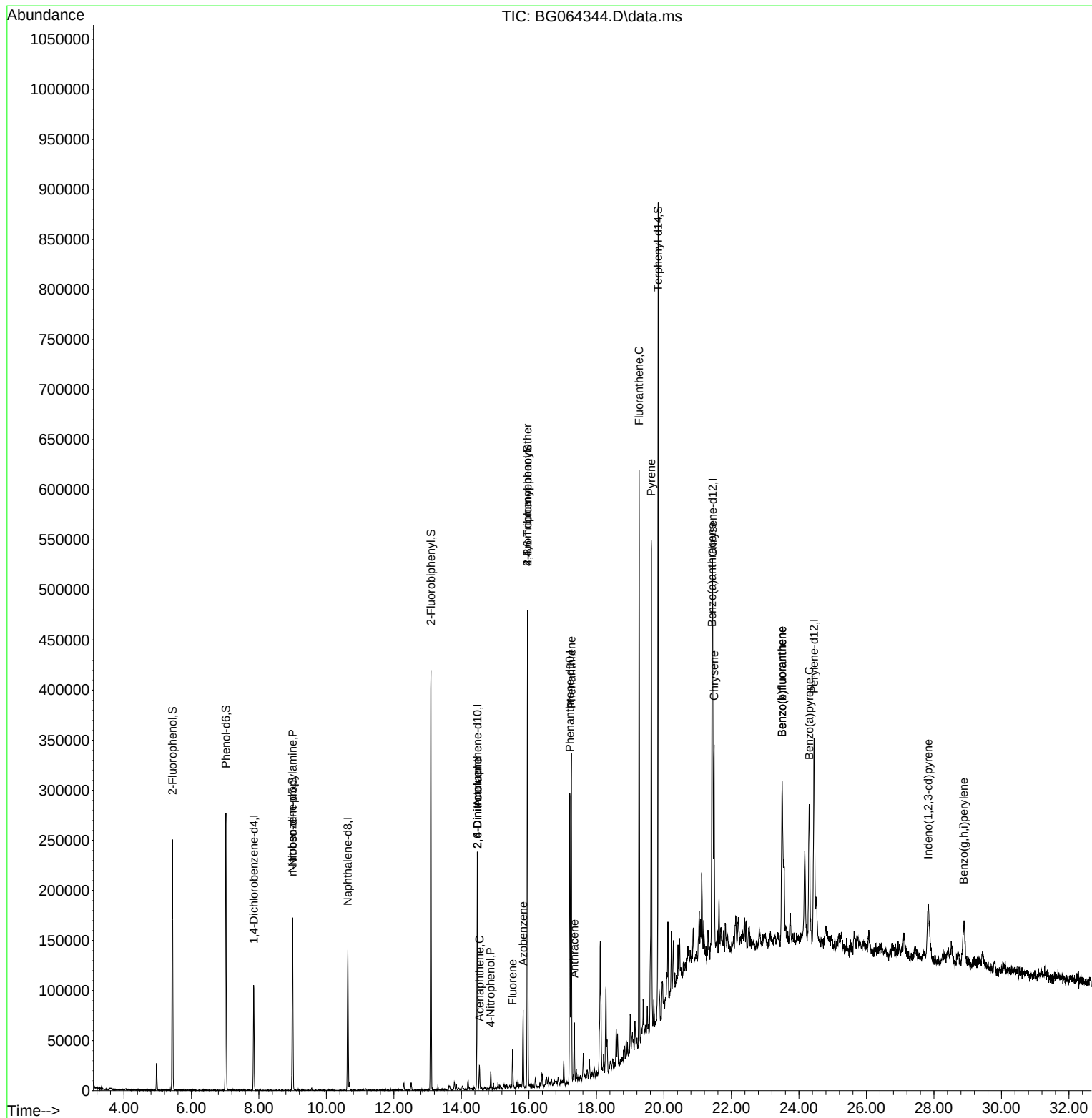
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.849	152	24981	20.000	ng	-0.01
21) Naphthalene-d8	10.634	136	108145	20.000	ng	#-0.02
39) Acenaphthene-d10	14.470	164	78236	20.000	ng	-0.01
64) Phenanthrene-d10	17.214	188	175228	20.000	ng	#-0.01
76) Chrysene-d12	21.445	240	187383	20.000	ng	#-0.01
86) Perylene-d12	24.447	264	213884	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	90963	65.328	ng	0.00
7) Phenol-d6	7.020	99	125672	65.696	ng	-0.01
23) Nitrobenzene-d5	8.995	82	88909	45.850	ng	-0.02
42) 2,4,6-Tribromophenol	15.957	330	83434	80.514	ng	-0.02
45) 2-Fluorobiphenyl	13.096	172	203836	39.768	ng	-0.02
79) Terphenyl-d14	19.829	244	363643	40.489	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.000	70	13152	8.983	ng	# 80
51) 2,6-Dinitrotoluene	14.476	165	10591	9.238	ng	# 16
52) Acenaphthene	14.535	154	9328	2.087	ng	96
56) 4-Nitrophenol	14.864	139	3248	3.297	ng	# 1
57) 2,4-Dinitrotoluene	14.476	165	10591	6.110	ng	# 18
58) Fluorene	15.516	166	16665	2.892	ng	98
63) Azobenzene	15.828	77	20063	3.552	ng	# 1
67) 4-Bromophenyl-phenylether	15.957	248	5808	3.121	ng	# 1
71) Phenanthrene	17.255	178	198444	21.472	ng	99
72) Anthracene	17.344	178	33637	3.578	ng	97
75) Fluoranthene	19.265	202	353037	32.487	ng	97
78) Pyrene	19.623	202	322669	27.332	ng	99
81) Benzo(a)anthracene	21.421	228	151661	12.651	ng	98
83) Chrysene	21.486	228	142789	12.407	ng	96
87) Indeno(1,2,3-cd)pyrene	27.831	276	95162	6.515	ng	# 92
88) Benzo(b)fluoranthene	23.501	252	196877	16.309	ng	98
89) Benzo(k)fluoranthene	23.501	252	196877	16.009	ng	# 98
90) Benzo(a)pyrene	24.306	252	148289	13.206	ng	# 98
92) Benzo(g,h,i)perylene	28.883	276	89307	7.826	ng	# 92

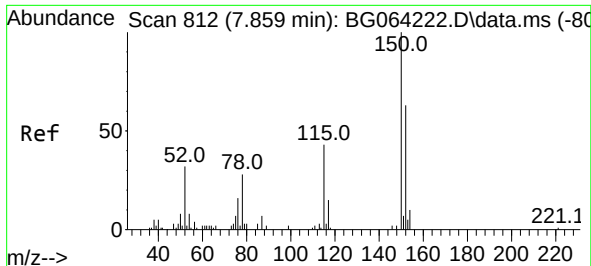
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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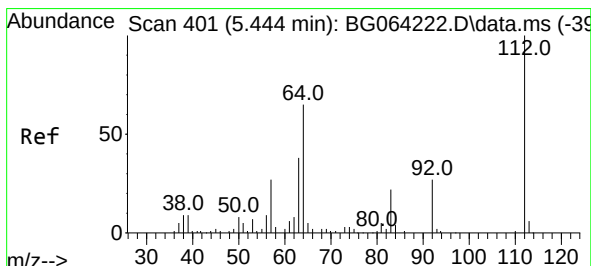
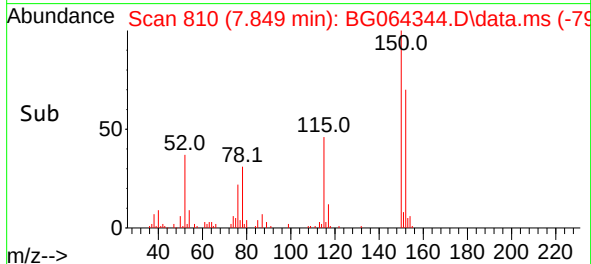
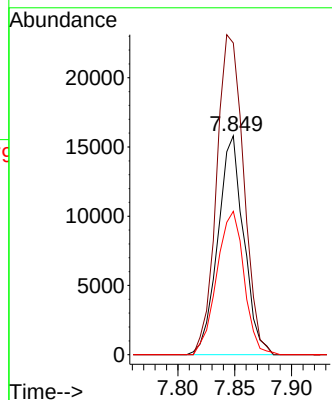
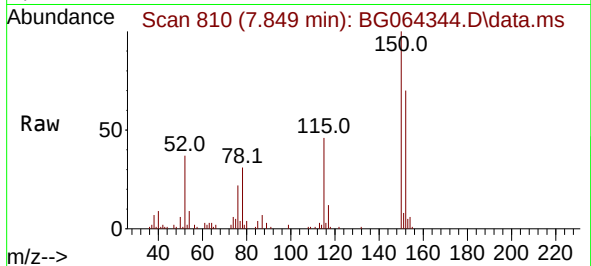




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.849 min Scan# 812
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

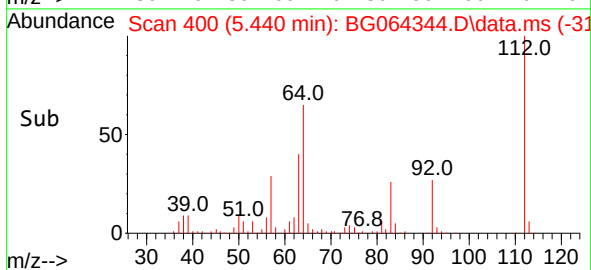
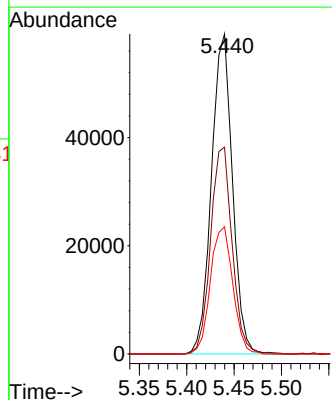
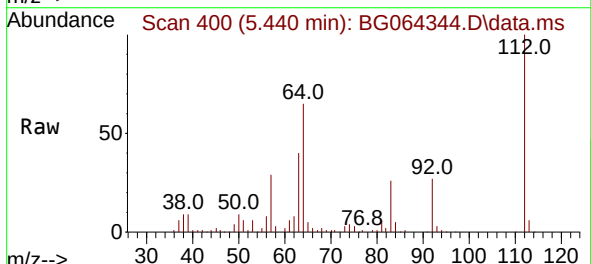
Instrument :
BNA_G
ClientSampleId :

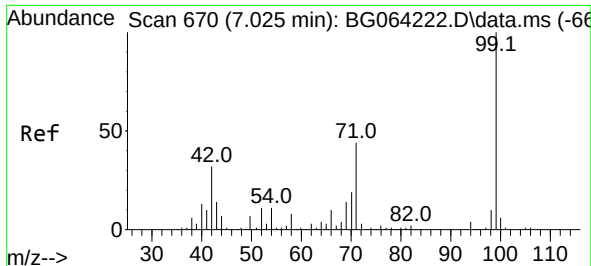
Tgt Ion	Ratio	Lower	Upper
152	100		
150	142.4	128.0	192.0
115	65.5	55.7	83.5



#5
2-Fluorophenol
Concen: 65.328 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.004 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	51.8	77.6
63	39.8	30.6	45.8

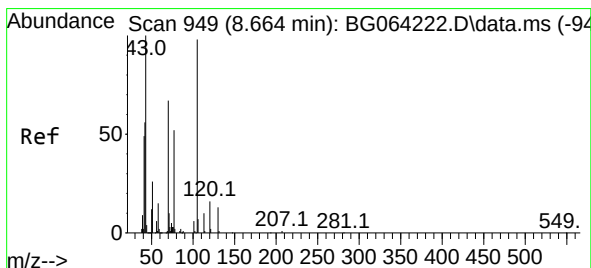
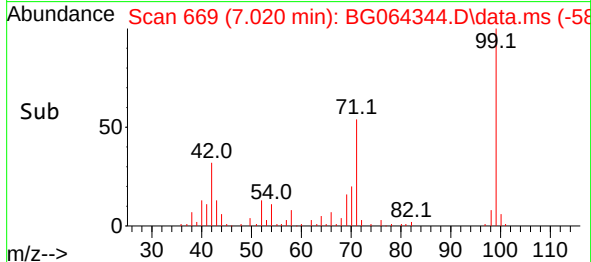
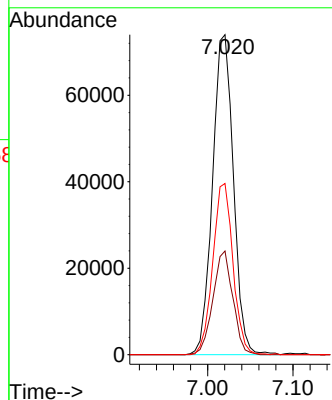
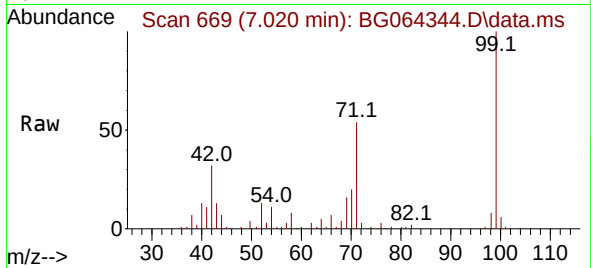




#7
Phenol-d6
Concen: 65.696 ng
RT: 7.020 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

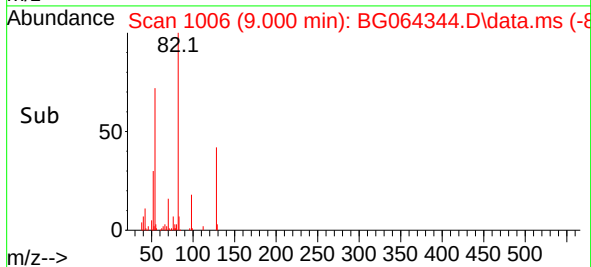
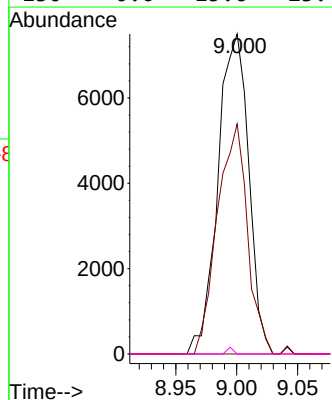
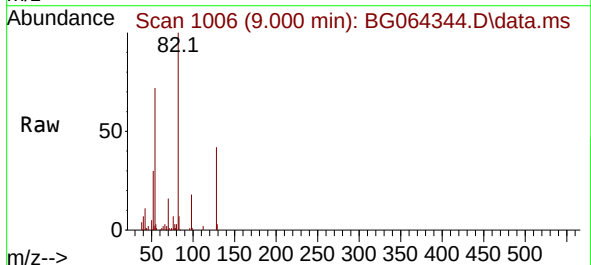
Instrument :
BNA_G
ClientSampleId :

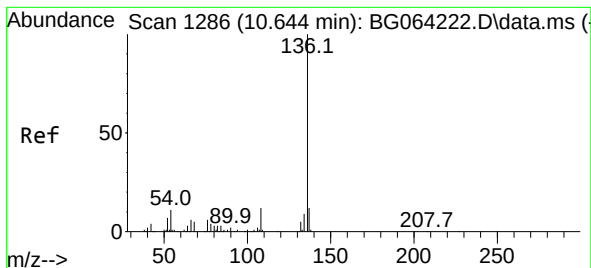
Tgt Ion: 99 Resp: 125672
Ion Ratio Lower Upper
99 100
42 32.4 25.8 38.8
71 53.5 35.2 52.8#



#19
n-Nitroso-di-n-propylamine
Concen: 8.983 ng
RT: 9.000 min Scan# 1006
Delta R.T. 0.336 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion: 70 Resp: 13152
Ion Ratio Lower Upper
70 100
42 71.9 67.9 101.9
101 0.0 7.3 10.9#
130 0.0 15.6 23.4#

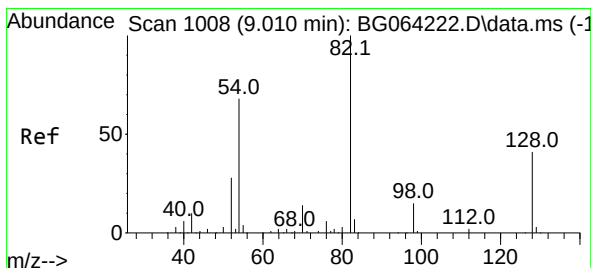
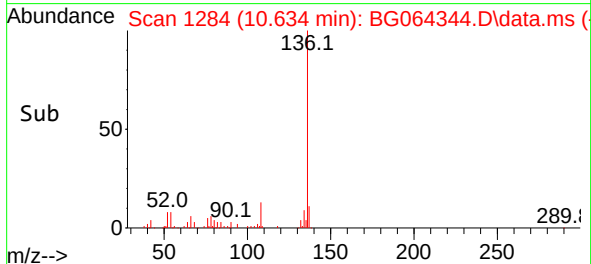
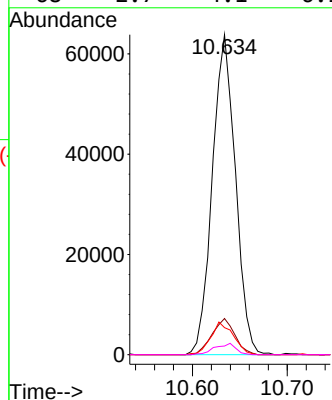
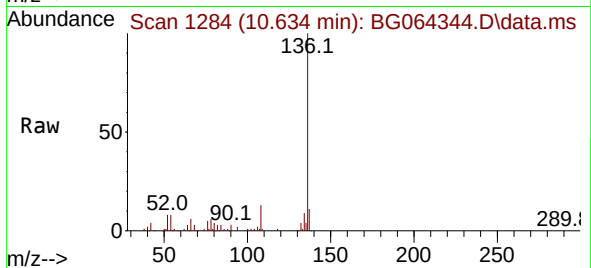




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 11
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

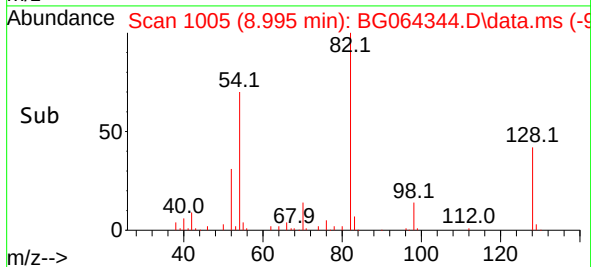
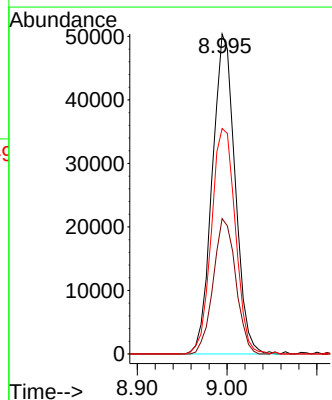
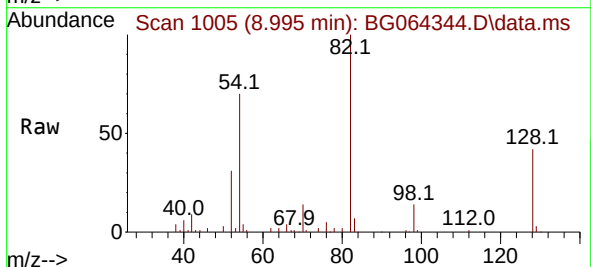
Instrument :
BNA_G
ClientSampleId :

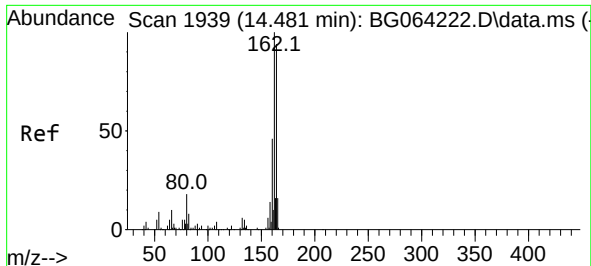
Tgt Ion:	136	Resp:	108145
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.6	14.4
54	8.4	8.8	13.2#
68	2.7	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 45.850 ng
RT: 8.995 min Scan# 1005
Delta R.T. -0.022 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

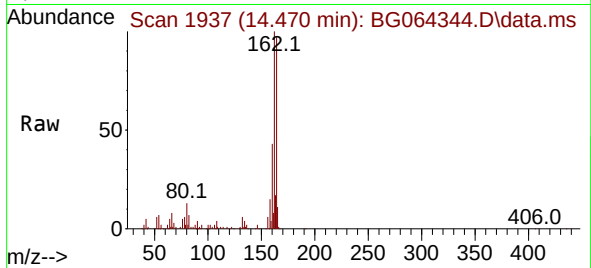
Tgt Ion:	82	Resp:	88909
Ion Ratio	Lower	Upper	
82	100		
128	42.3	32.6	48.8
54	70.5	54.7	82.1



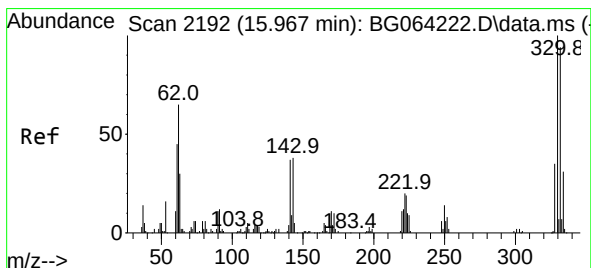
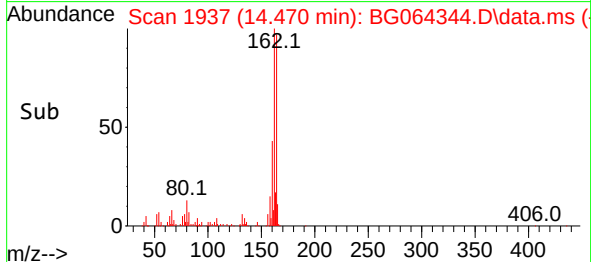
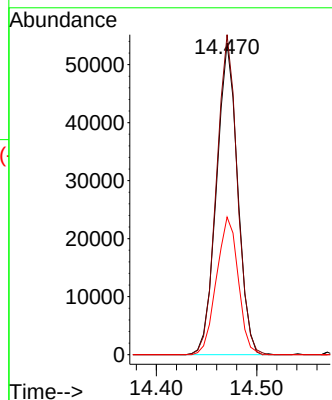


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.470 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Instrument :
BNA_G
ClientSampleId :

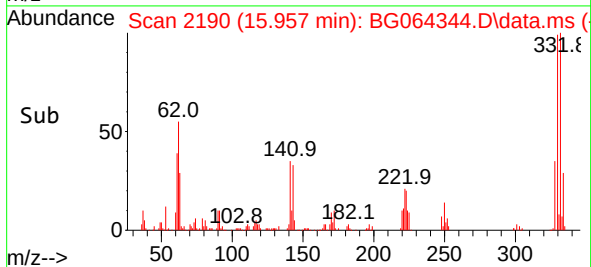
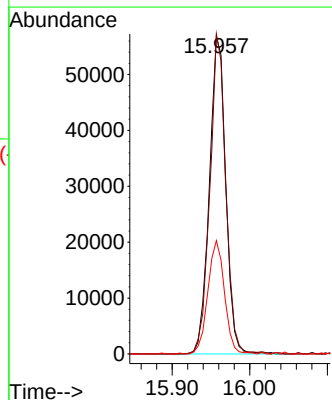
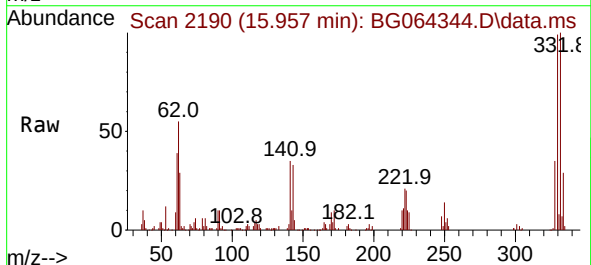


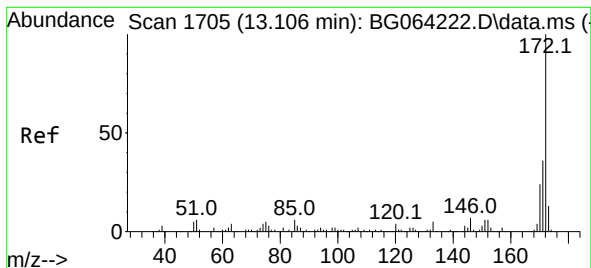
Tgt Ion:164 Resp: 78236
Ion Ratio Lower Upper
164 100
162 102.7 85.4 128.0
160 44.2 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 80.514 ng
RT: 15.957 min Scan# 2190
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion:330 Resp: 83434
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 36.2 29.8 44.6

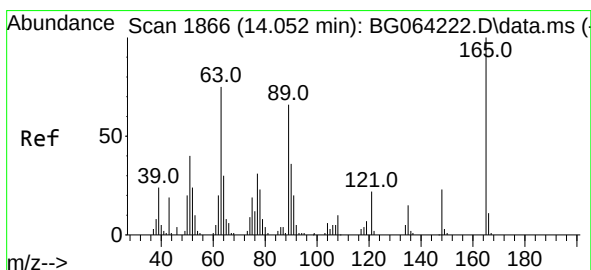
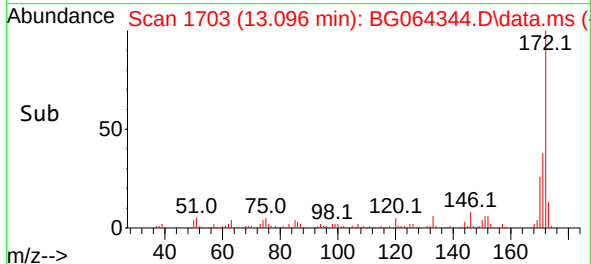
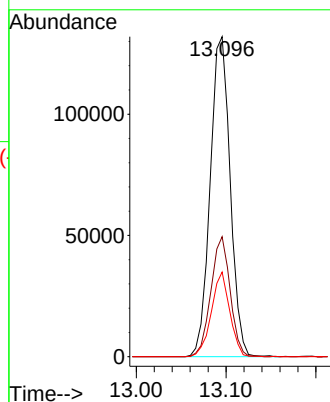
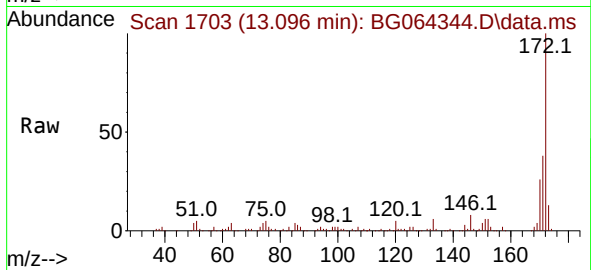




#45
2-Fluorobiphenyl
Concen: 39.768 ng
RT: 13.096 min Scan# 1
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

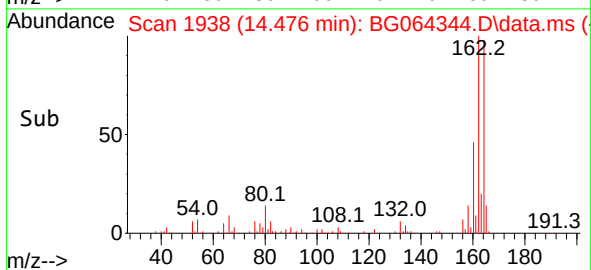
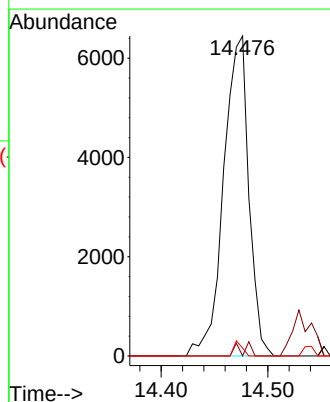
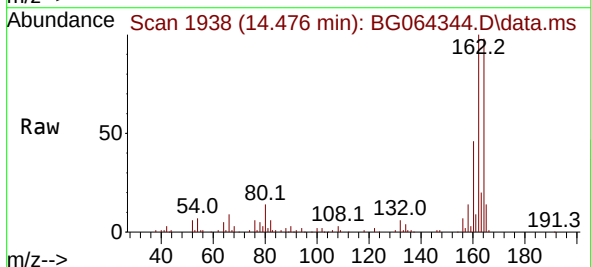
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BNA_G
ClientSampleId :

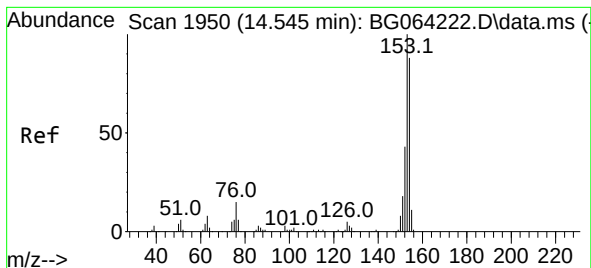
Tgt Ion:172 Resp: 203836
Ion Ratio Lower Upper
172 100
171 37.5 28.7 43.1
170 26.4 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.238 ng
RT: 14.476 min Scan# 1938
Delta R.T. 0.419 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion:165 Resp: 10591
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 2.5 52.9 79.3#





#52

Acenaphthene

Concen: 2.087 ng

RT: 14.535 min Scan# 19

Delta R.T. -0.016 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

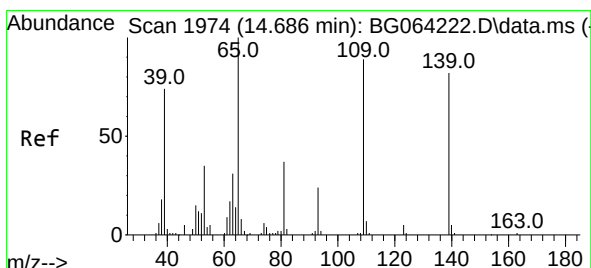
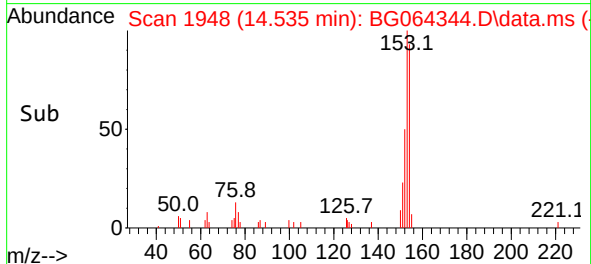
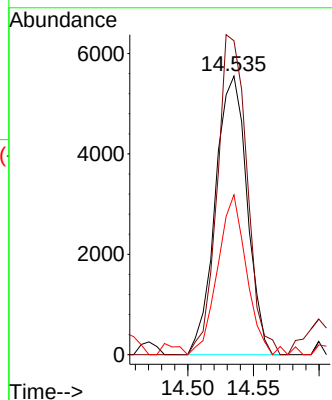
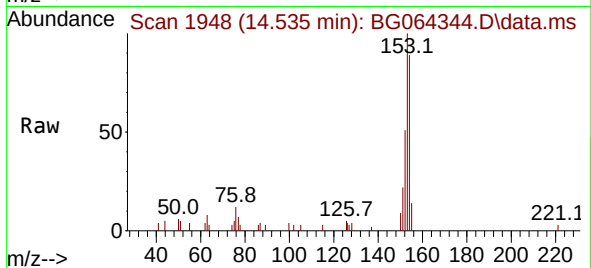
Tgt Ion:154 Resp: 9328

Ion Ratio Lower Upper

154 100

153 112.7 91.1 136.7

152 57.4 39.6 59.4



#56

4-Nitrophenol

Concen: 3.297 ng

RT: 14.864 min Scan# 2004

Delta R.T. 0.166 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

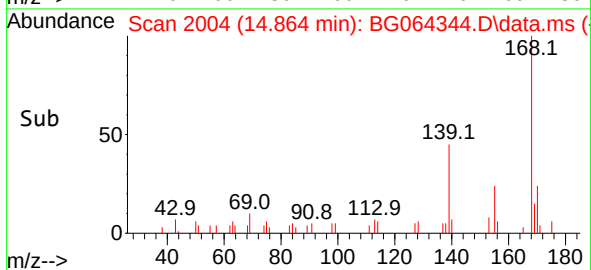
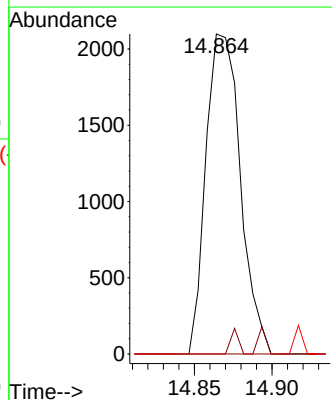
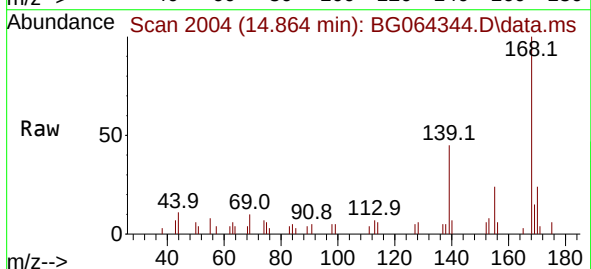
Tgt Ion:139 Resp: 3248

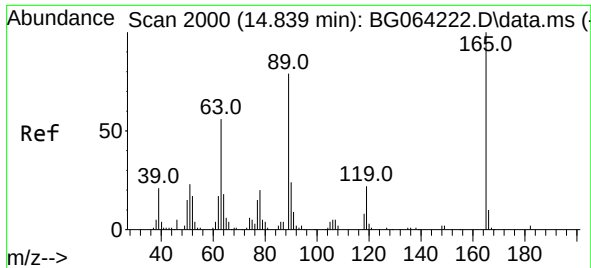
Ion Ratio Lower Upper

139 100

109 0.0 89.1 129.1#

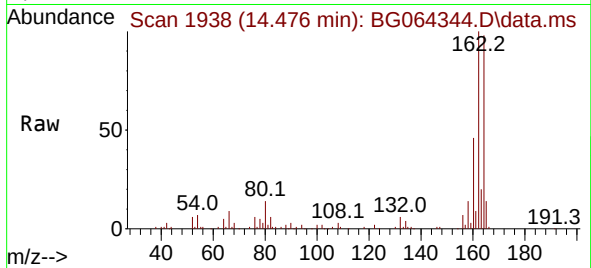
65 0.0 102.9 142.9#



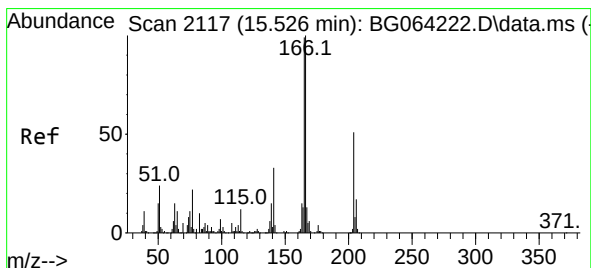
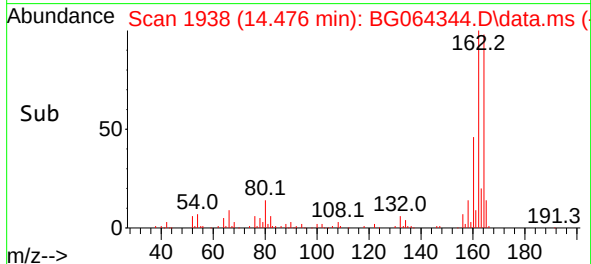
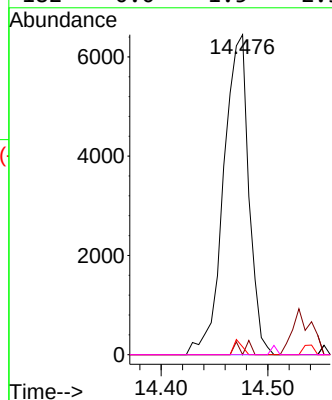


#57
2,4-Dinitrotoluene
Concen: 6.110 ng
RT: 14.476 min Scan# 1938
Delta R.T. -0.369 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Instrument :
BNA_G
ClientSampleId :

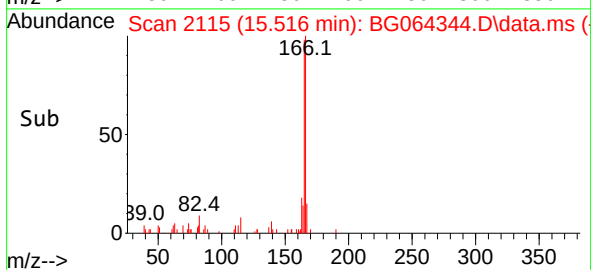
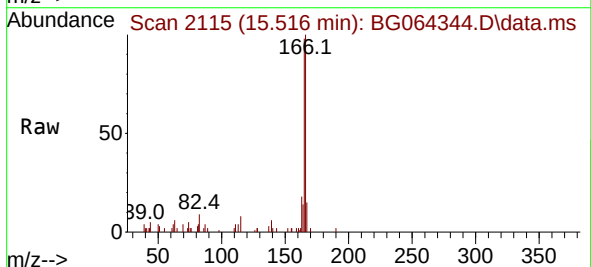
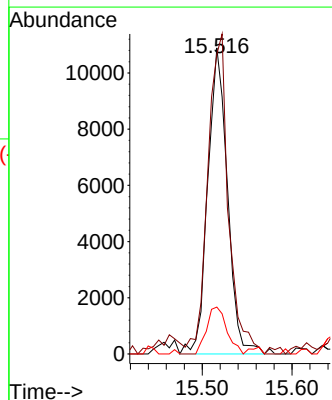


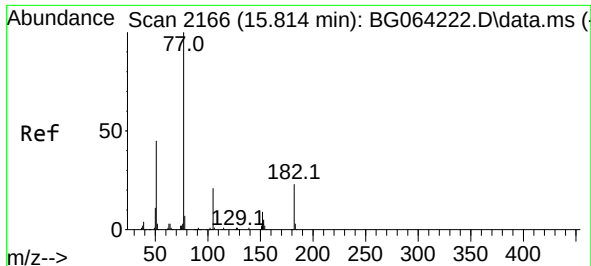
Tgt Ion:165 Resp: 10591
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 2.5 63.0 94.4#
182 0.0 1.5 2.3#



#58
Fluorene
Concen: 2.892 ng
RT: 15.516 min Scan# 2115
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion:166 Resp: 16665
Ion Ratio Lower Upper
166 100
165 97.9 79.1 118.7
167 15.3 10.2 15.4

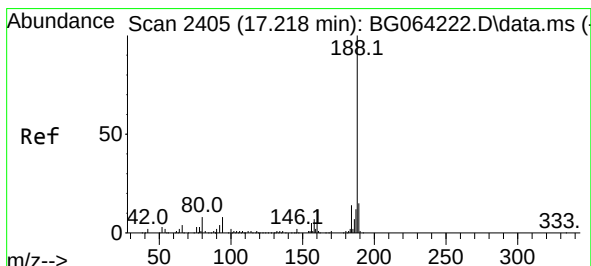
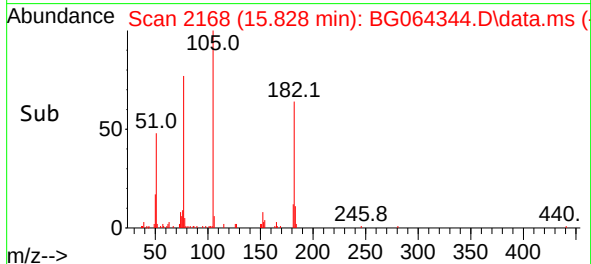
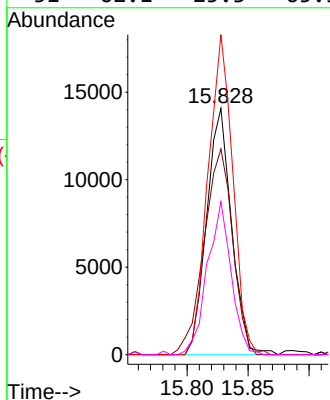
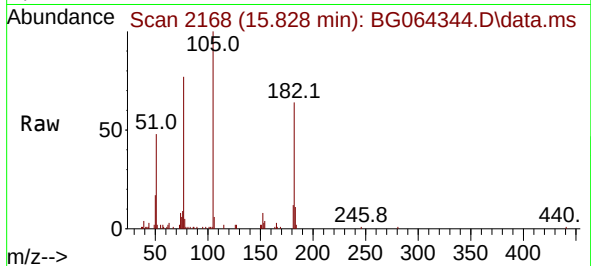




#63
Azobenzene
Concen: 3.552 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.007 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

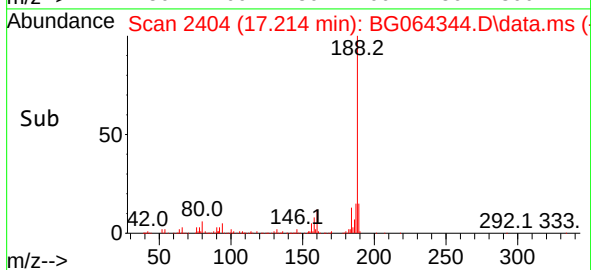
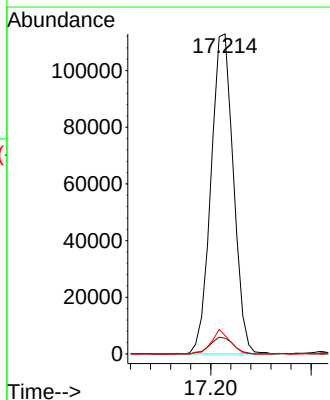
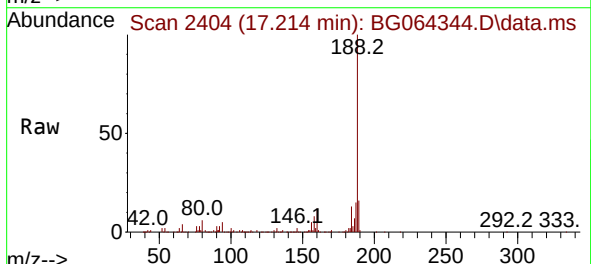
Instrument :
BNA_G
ClientSampleId :

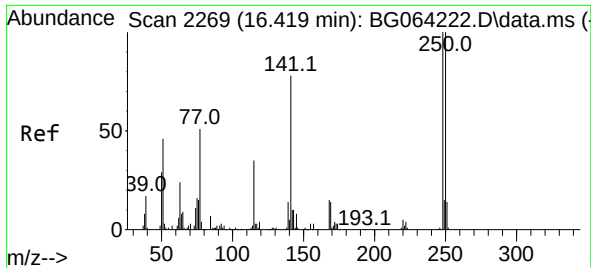
Tgt Ion: 77	Resp: 20063
Ion Ratio	Lower Upper
77 100	
182 83.5	3.3 43.3#
105 130.0	0.6 40.6#
51 62.1	25.3 65.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.214 min Scan# 2404
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

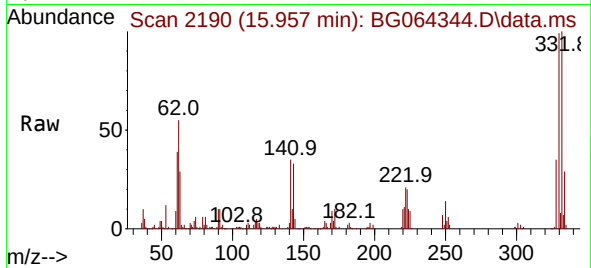
Tgt Ion: 188	Resp: 175228
Ion Ratio	Lower Upper
188 100	
94 4.9	6.2 9.4#
80 5.8	6.8 10.2#



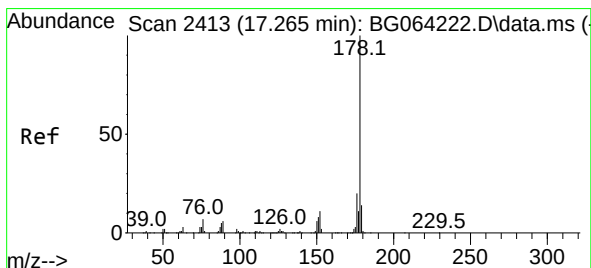
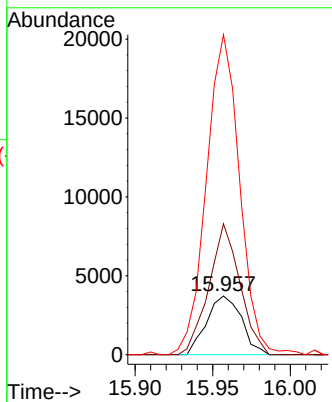
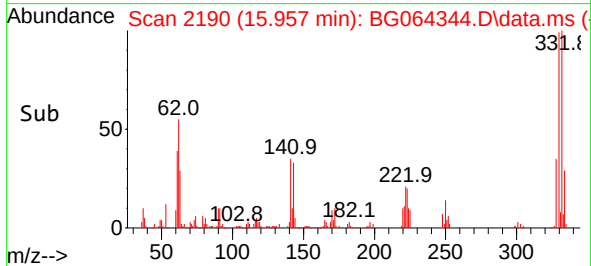


#67
4-Bromophenyl-phenylether
Concen: 3.121 ng
RT: 15.957 min Scan# 21190
Delta R.T. -0.463 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Instrument :
BNA_G
ClientSampleId :

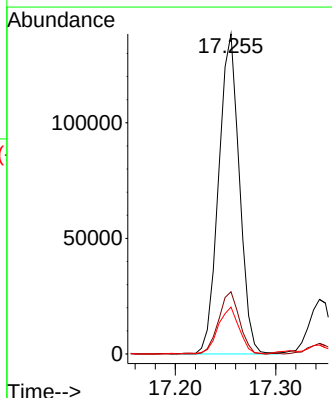
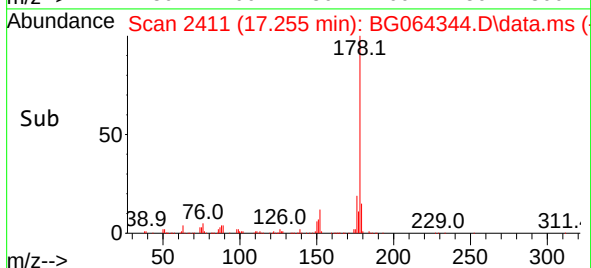
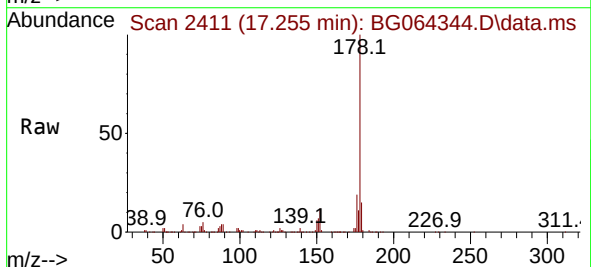


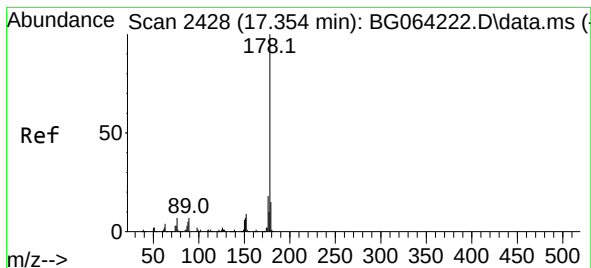
Tgt Ion	Ratio	Lower	Upper
248	100		
250	222.7	80.2	120.4#
141	544.3	62.4	93.6#



#71
Phenanthrene
Concen: 21.472 ng
RT: 17.255 min Scan# 2411
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	14.6	11.4	17.2





#72

Anthracene

Concen: 3.578 ng

RT: 17.344 min Scan# 24

Delta R.T. -0.016 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

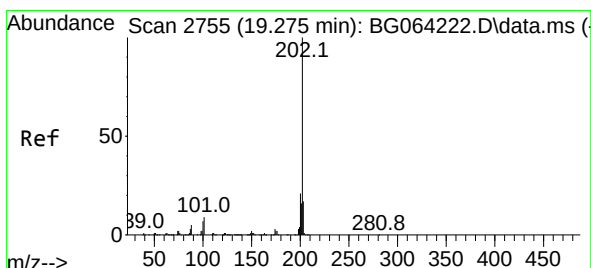
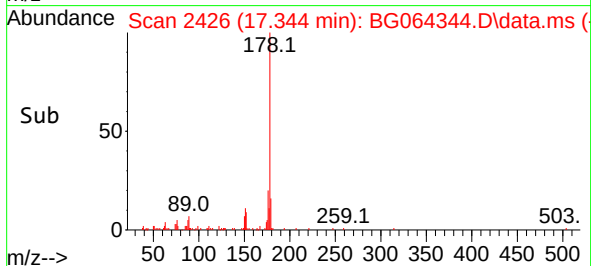
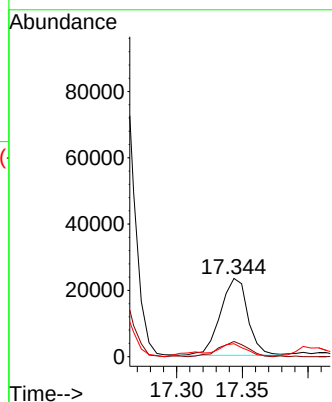
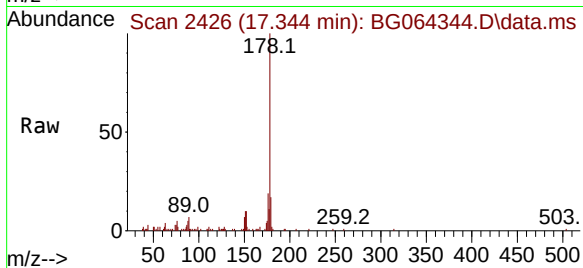
Tgt Ion:178 Resp: 33637

Ion Ratio Lower Upper

178 100

176 19.4 14.7 22.1

179 16.5 12.1 18.1



#75

Fluoranthene

Concen: 32.487 ng

RT: 19.265 min Scan# 2753

Delta R.T. -0.010 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

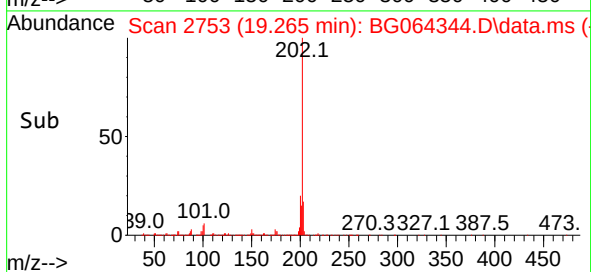
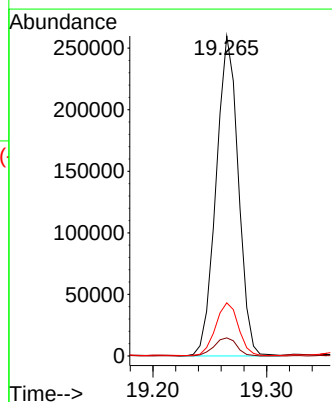
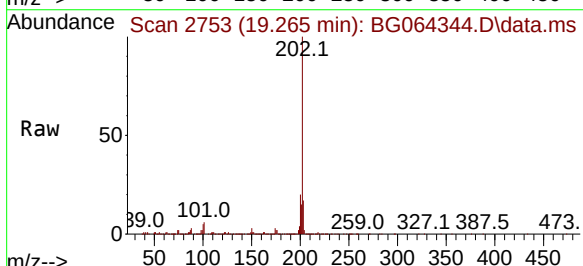
Tgt Ion:202 Resp: 353037

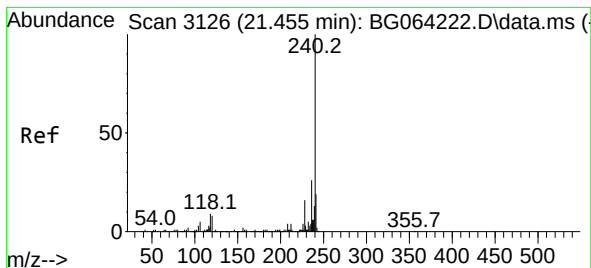
Ion Ratio Lower Upper

202 100

101 5.6 0.0 28.7

203 16.6 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

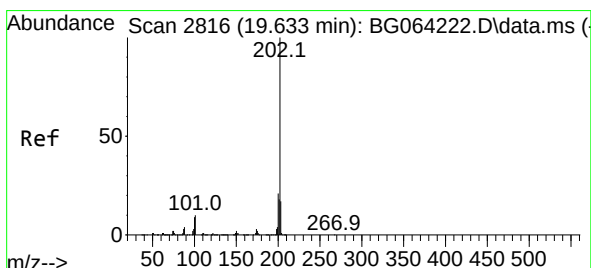
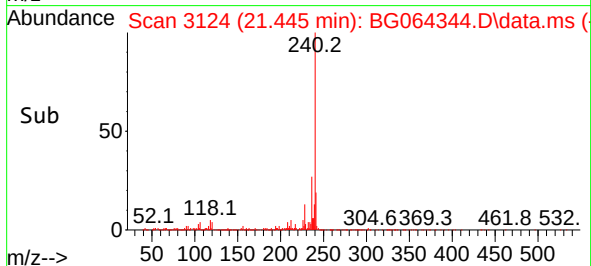
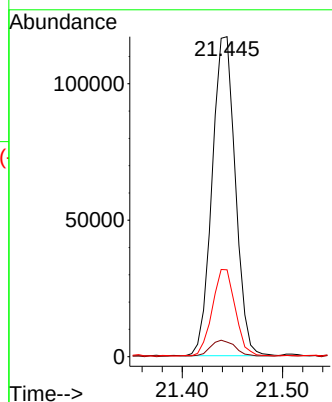
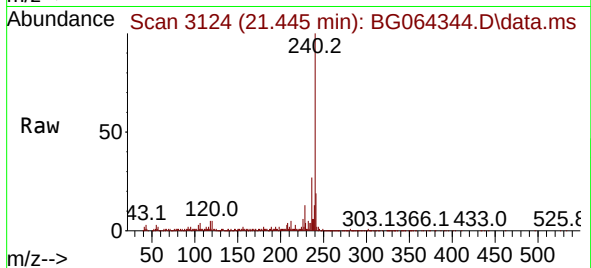
Tgt Ion:240 Resp: 187383

Ion Ratio Lower Upper

240 100

120 4.5 6.2 9.4#

236 27.1 20.5 30.7



#78

Pyrene

Concen: 27.332 ng

RT: 19.623 min Scan# 2814

Delta R.T. -0.016 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

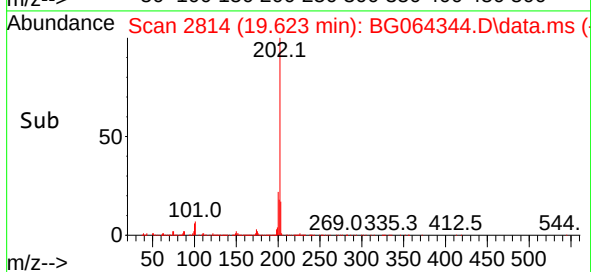
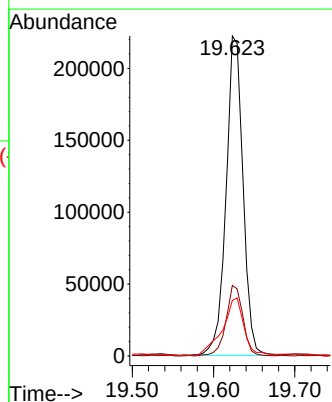
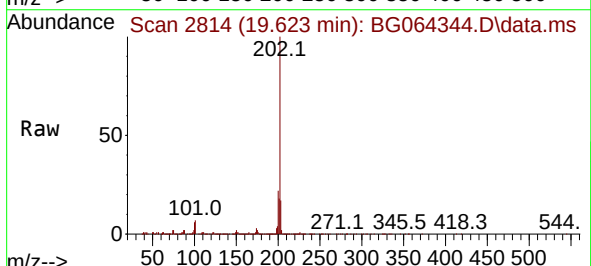
Tgt Ion:202 Resp: 322669

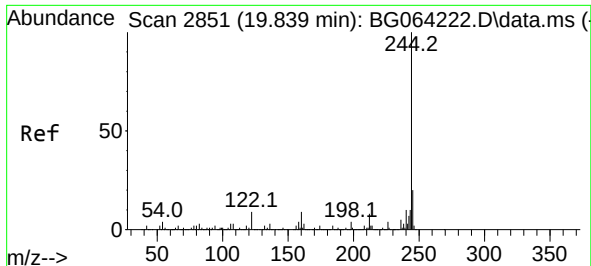
Ion Ratio Lower Upper

202 100

200 22.1 16.9 25.3

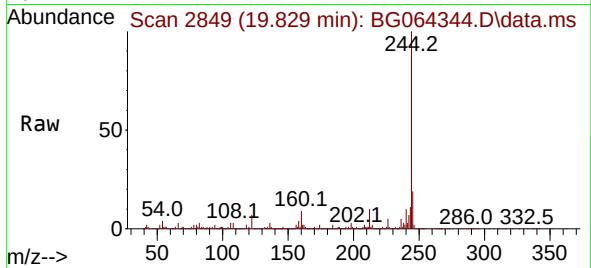
203 17.3 13.8 20.8



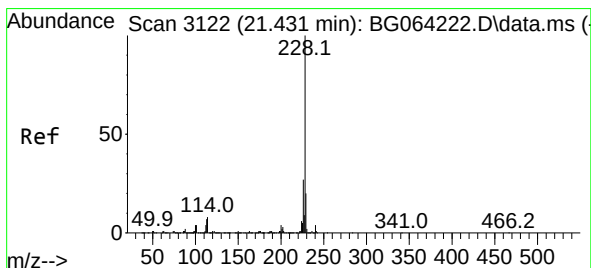
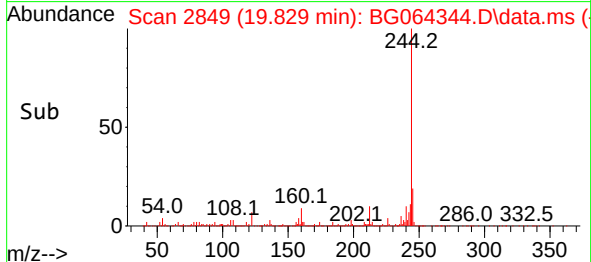
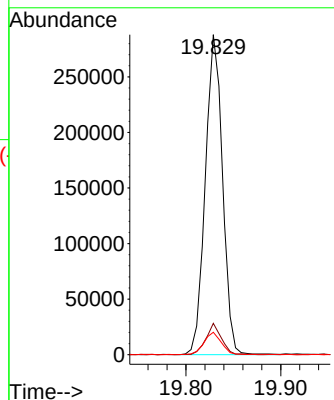


#79
 Terphenyl-d14
 Concen: 40.489 ng
 RT: 19.829 min Scan# 21
 Delta R.T. -0.016 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

Instrument :
 BNA_G
 ClientSampleId :

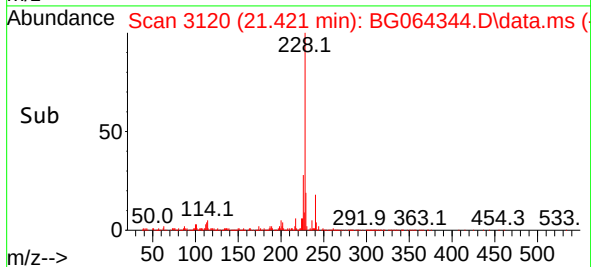
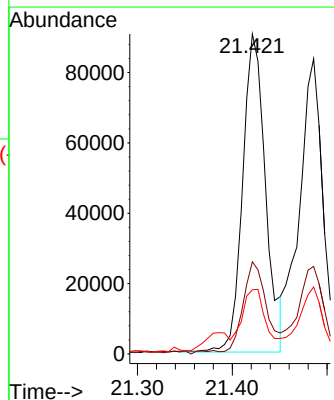
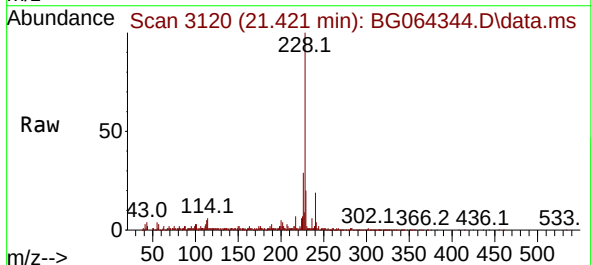


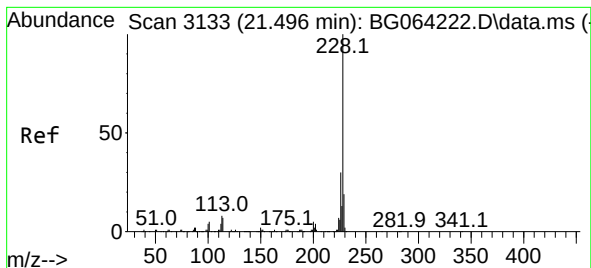
Tgt Ion:244 Resp: 363643
 Ion Ratio Lower Upper
 244 100
 212 9.8 6.6 10.0
 122 7.0 7.0 10.6#



#81
 Benzo(a)anthracene
 Concen: 12.651 ng
 RT: 21.421 min Scan# 3120
 Delta R.T. -0.016 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

Tgt Ion:228 Resp: 151661
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 20.0 15.9 23.9





#83

Chrysene

Concen: 12.407 ng

RT: 21.486 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

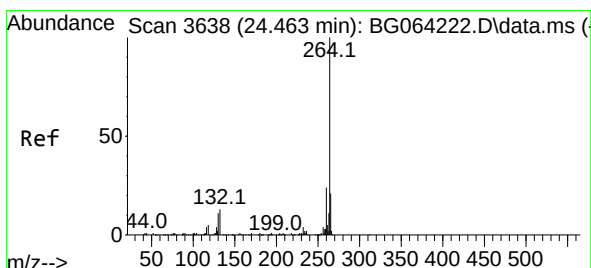
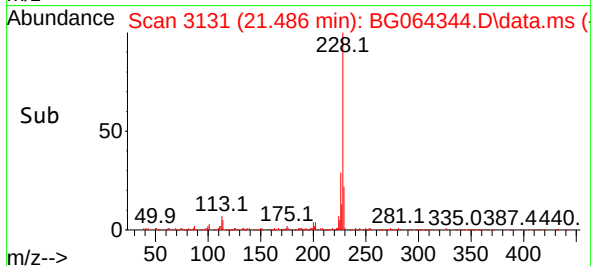
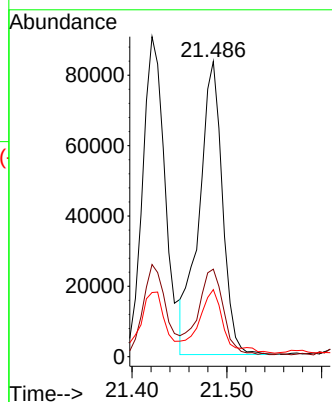
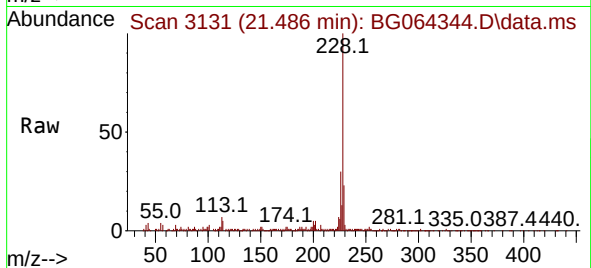
Tgt Ion:228 Resp: 142789

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

229 22.7 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.447 min Scan# 3635

Delta R.T. -0.016 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

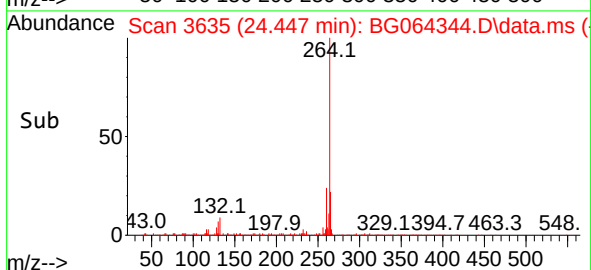
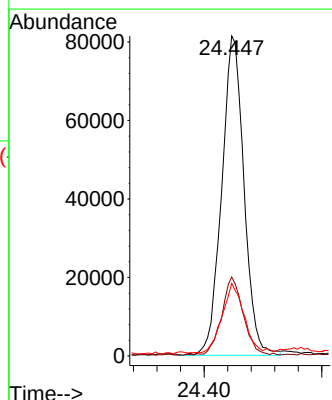
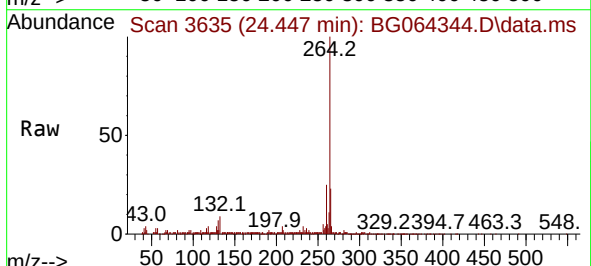
Tgt Ion:264 Resp: 213884

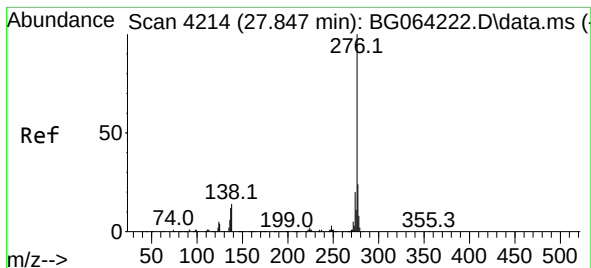
Ion Ratio Lower Upper

264 100

260 24.6 18.9 28.3

265 22.7 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.515 ng

RT: 27.831 min Scan# 41

Delta R.T. -0.040 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

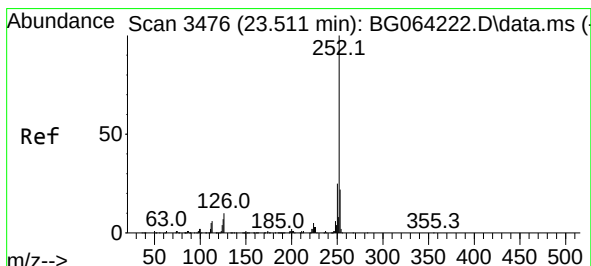
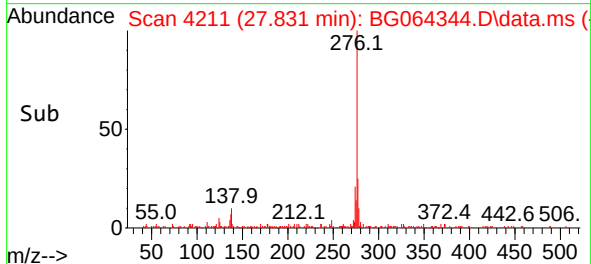
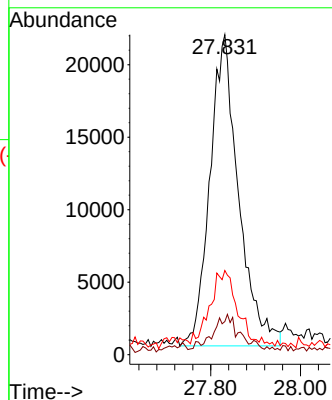
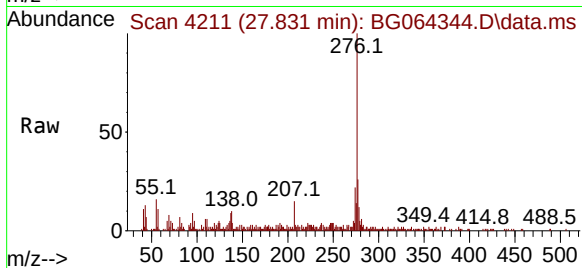
Tgt Ion:276 Resp: 95162

Ion Ratio Lower Upper

276 100

138 6.9 7.4 11.0#

277 21.4 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 16.309 ng

RT: 23.501 min Scan# 3474

Delta R.T. -0.016 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

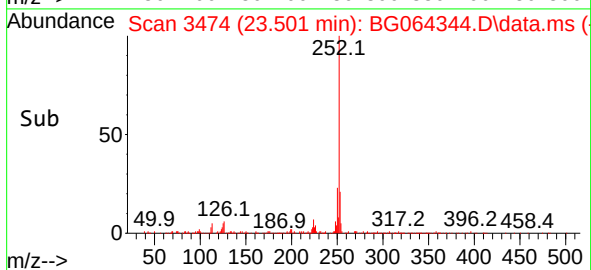
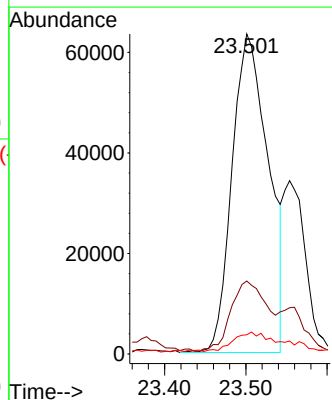
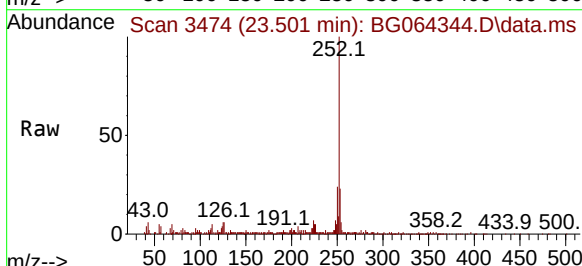
Tgt Ion:252 Resp: 196877

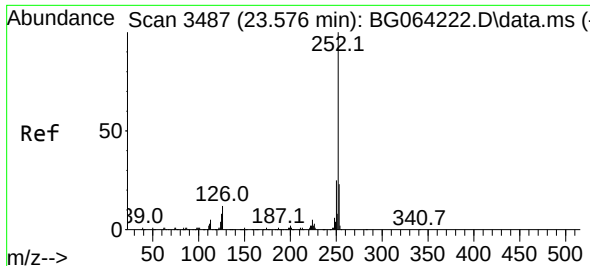
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 6.0 5.9 8.9

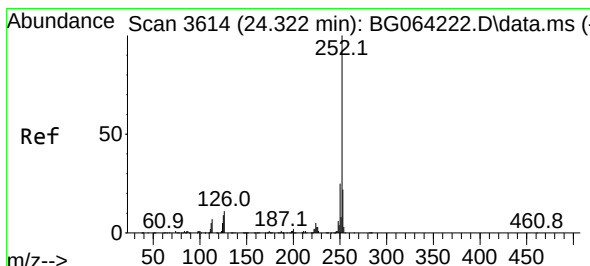
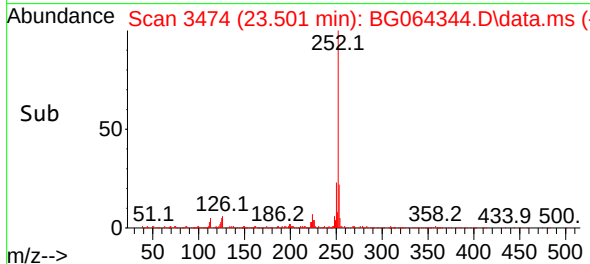
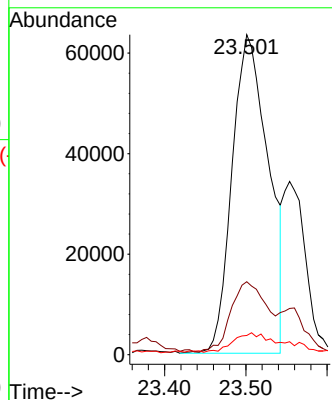
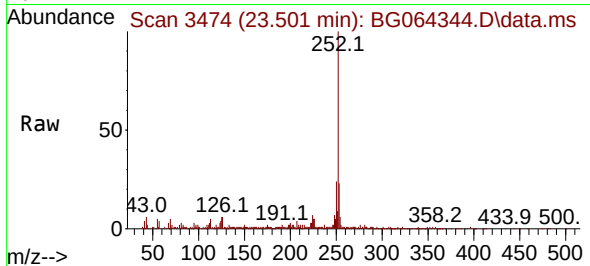




#89
Benzo(k)fluoranthene
Concen: 16.009 ng
RT: 23.501 min Scan# 34
Delta R.T. -0.087 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

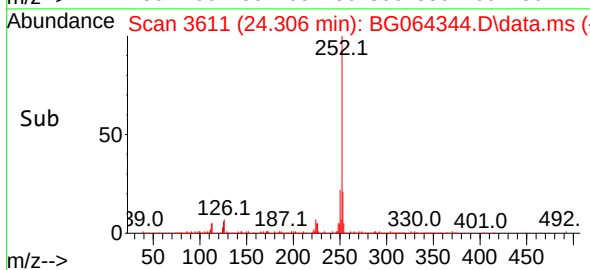
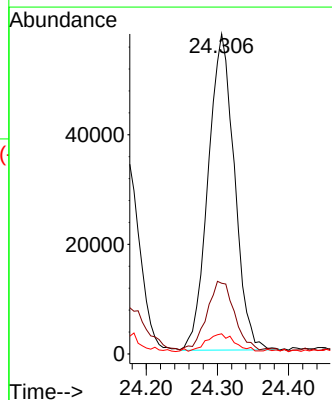
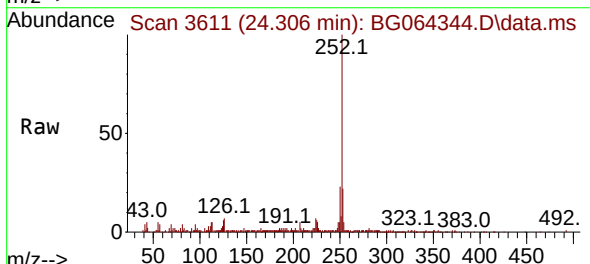
Instrument :
BNA_G
ClientSampleId :

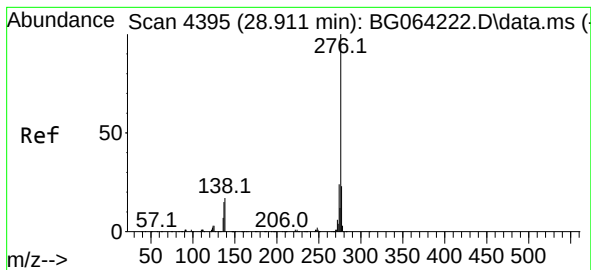
Tgt Ion:252 Resp: 196877
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 6.0 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 13.206 ng
RT: 24.306 min Scan# 3611
Delta R.T. -0.022 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

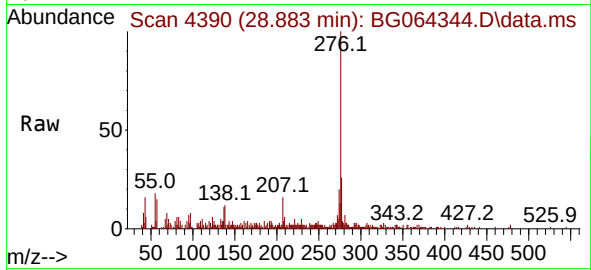
Tgt Ion:252 Resp: 148289
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 6.3 7.0 10.6#





#92
 Benzo(g,h,i)perylene
 Concen: 7.826 ng
 RT: 28.883 min Scan# 41
 Delta R.T. -0.051 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:	276	Resp:	89307
Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.2	27.4
138	11.9	13.3	19.9#

