

Data Path : C:\Users\eUser\Desktop\krunal\
 Data File : BG064155.D
 Acq On : 2 Apr 2025 16:24
 Operator : RC/JU
 Sample : Q1674-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11991

Quant Time: Apr 03 02:17:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

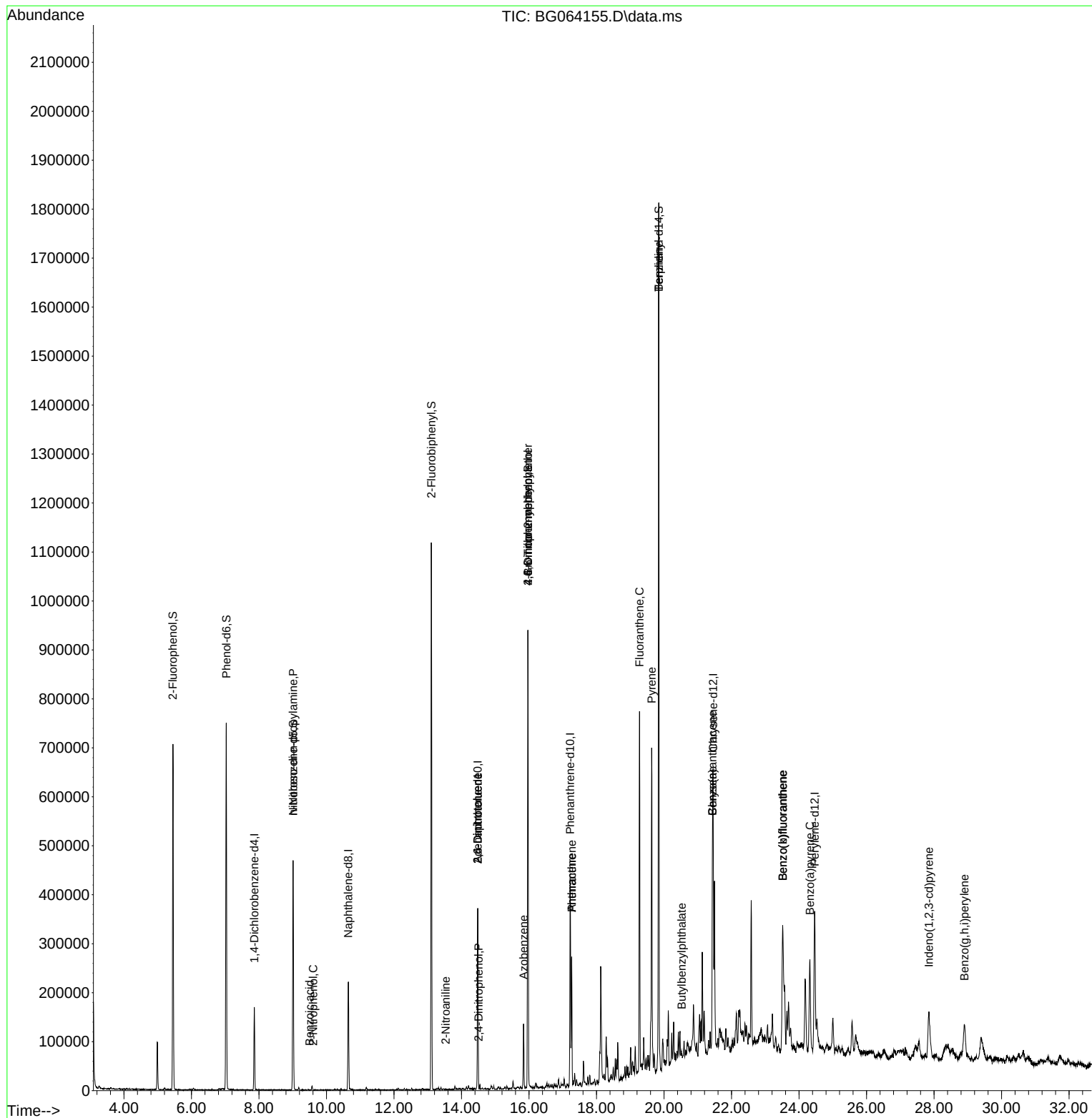
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	40898	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	176341	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	117031	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	252550	20.000	ng	-0.01
76) Chrysene-d12	21.454	240	257269	20.000	ng	0.00
86) Perylene-d12	24.462	264	277239	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	272518	104.045	ng	0.00
7) Phenol-d6	7.030	99	359661	100.938	ng	0.00
23) Nitrobenzene-d5	9.010	82	245157	76.828	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	158951	122.187	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	528016	68.483	ng	-0.01
79) Terphenyl-d14	19.844	244	797353	62.668	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.010	70	33821	13.525	ng	# 75
26) 2-Nitrophenol	9.603	139	54	3.335	ng	# 26
32) Benzoic acid	9.503	122	58	8.717	ng	# 1
48) 2-Nitroaniline	13.534	65	157	3.292	ng	# 11
51) 2,6-Dinitrotoluene	14.480	165	16220	11.965	ng	# 18
54) 2,4-Dinitrophenol	14.509	184	66	7.963	ng	# 15
57) 2,4-Dinitrotoluene	14.480	165	16220	9.843	ng	# 19
63) Azobenzene	15.837	77	35733	3.571	ng	# 9
65) 4,6-Dinitro-2-methylph...	15.966	198	894	8.859	ng	# 34
67) 4-Bromophenyl-phenylether	15.966	248	10894	4.212	ng	# 1
71) Phenanthrene	17.265	178	161578	11.995	ng	98
72) Anthracene	17.265	178	161578	12.063	ng	98
75) Fluoranthene	19.274	202	440988	27.155	ng	96
77) Benzidine	19.844	184	15274	4.288	ng	98
78) Pyrene	19.633	202	406507	24.512	ng	99
80) Butylbenzylphthalate	20.526	149	1292	3.829	ng	# 17
81) Benzo(a)anthracene	21.431	228	194420	11.797	ng	97
83) Chrysene	21.431	228	194420	11.828	ng	97
87) Indeno(1,2,3-cd)pyrene	27.847	276	141212	7.613	ng	98
88) Benzo(b)fluoranthene	23.516	252	300147	17.908	ng	96
89) Benzo(k)fluoranthene	23.516	252	300147	17.851	ng	# 96
90) Benzo(a)pyrene	24.321	252	190327	12.751	ng	95
92) Benzo(g,h,i)perylene	28.904	276	132998	8.423	ng	96

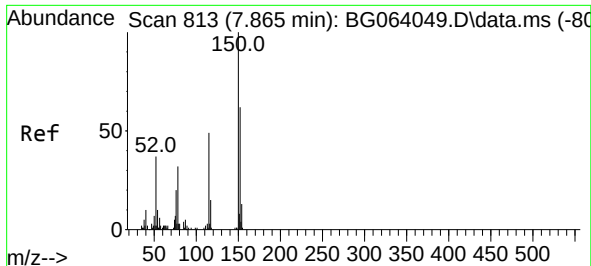
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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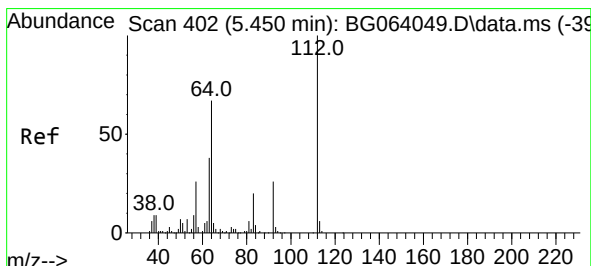
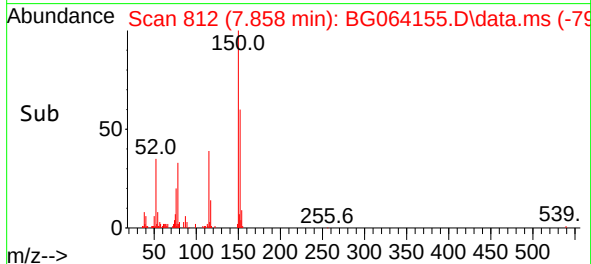
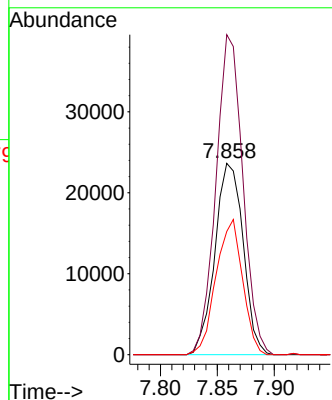
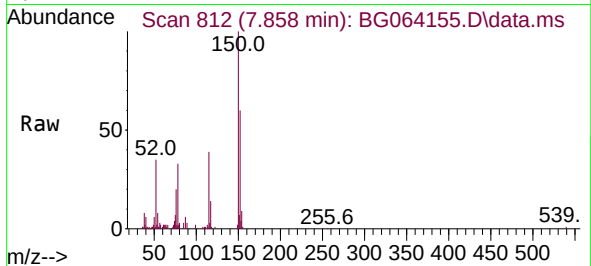




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 813
Delta R.T. -0.007 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

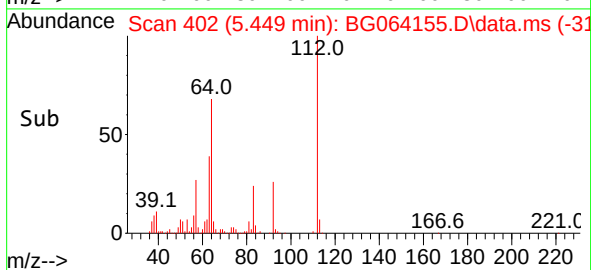
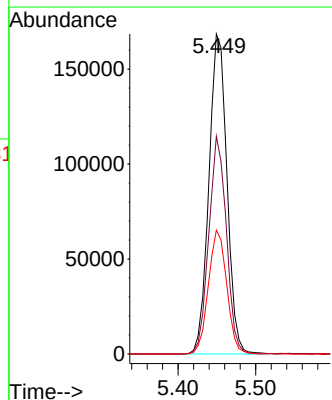
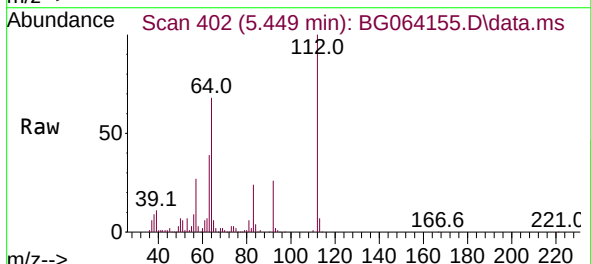
Instrument :
BNA_G
ClientSampleId :
72-11991

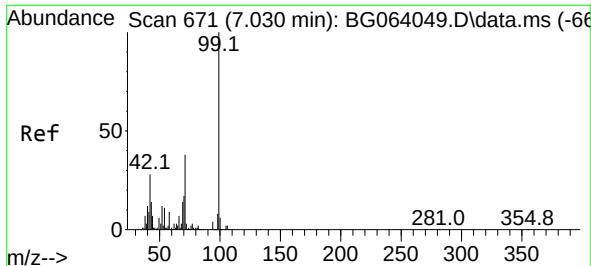
Tgt Ion:152 Resp: 40898
Ion Ratio Lower Upper
152 100
150 167.2 129.2 193.8
115 64.4 63.0 94.6



#5
2-Fluorophenol
Concen: 104.045 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:112 Resp: 272518
Ion Ratio Lower Upper
112 100
64 68.0 53.7 80.5
63 38.7 30.2 45.4

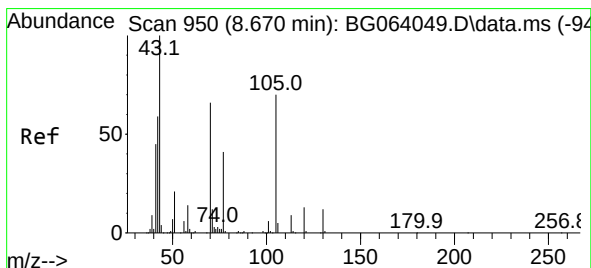
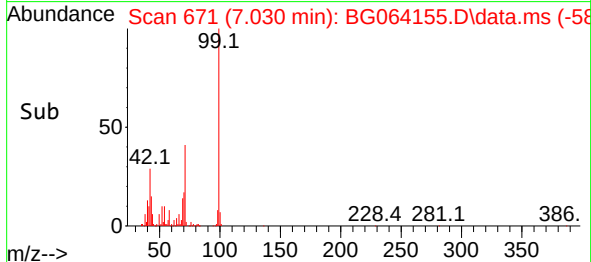
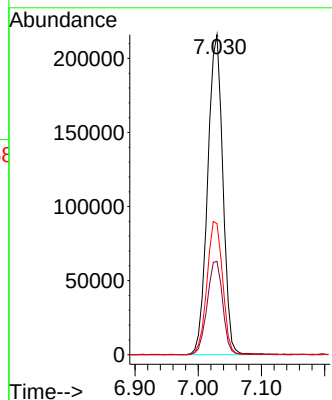
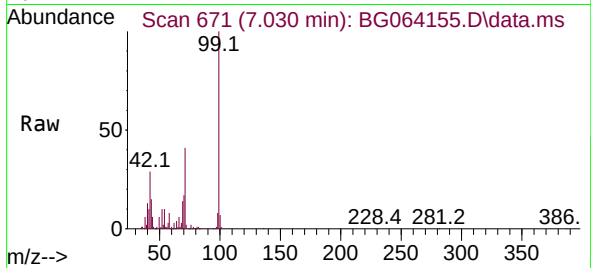




#7
Phenol-d6
Concen: 100.938 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

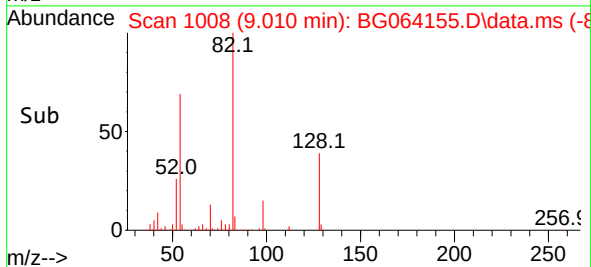
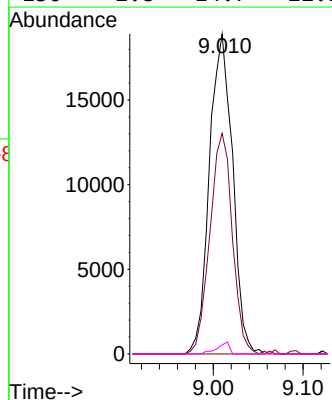
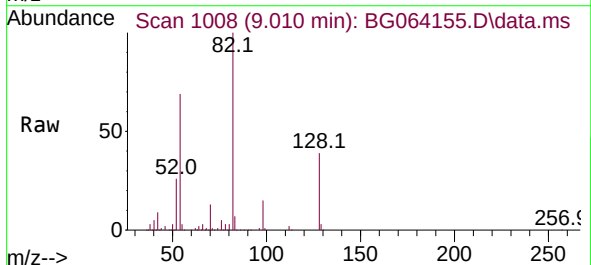
Instrument :
BNA_G
ClientSampleId :
72-11991

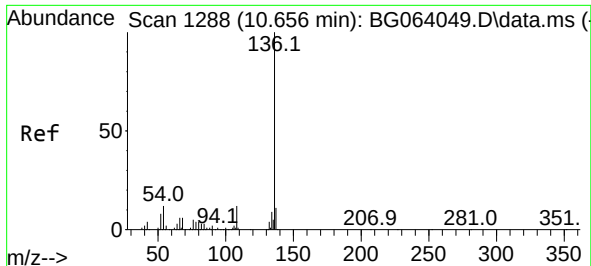
Tgt Ion: 99 Resp: 359661
Ion Ratio Lower Upper
99 100
42 29.2 22.7 34.1
71 40.9 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.525 ng
RT: 9.010 min Scan# 1008
Delta R.T. 0.340 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion: 70 Resp: 33821
Ion Ratio Lower Upper
70 100
42 68.9 72.1 108.1#
101 0.0 7.2 10.8#
130 2.8 14.7 22.1#

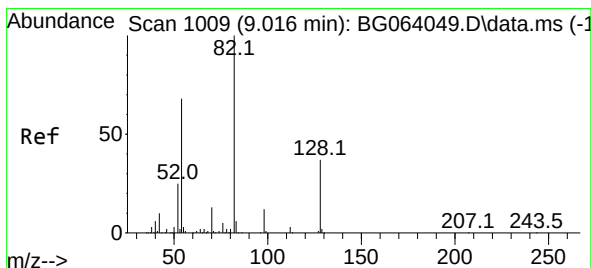
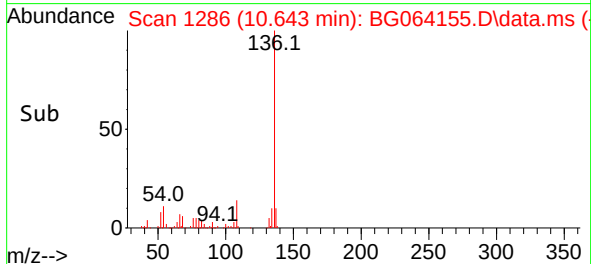
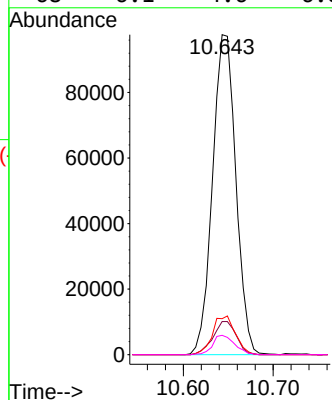
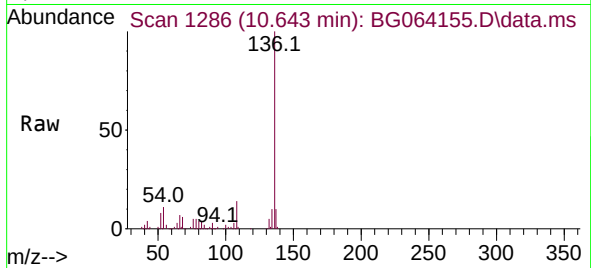




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.643 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

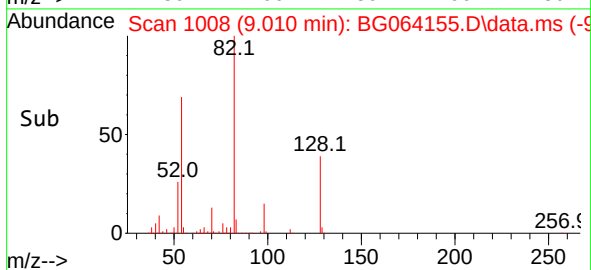
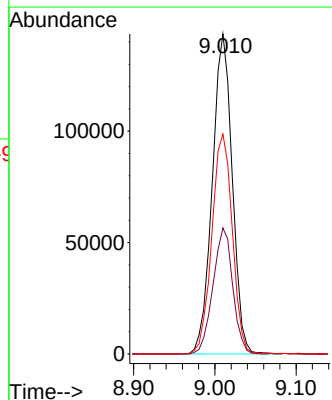
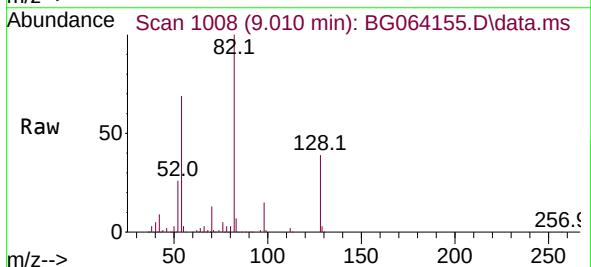
Instrument :
BNA_G
ClientSampleId :
72-11991

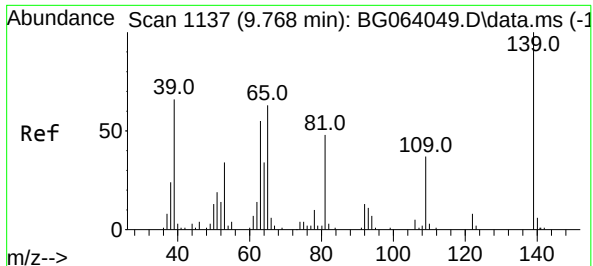
Tgt Ion:136 Resp: 176341
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 11.2 9.9 14.9
68 6.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 76.828 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion: 82 Resp: 245157
Ion Ratio Lower Upper
82 100
128 39.3 30.0 45.0
54 68.7 54.7 82.1

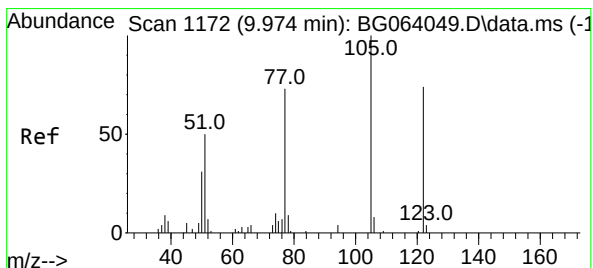
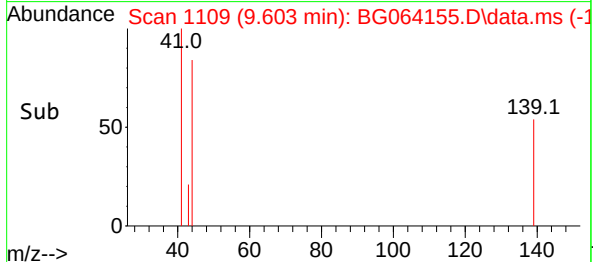
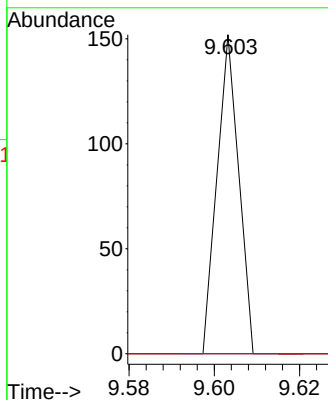
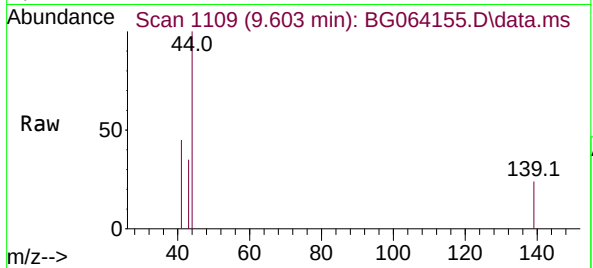




#26
2-Nitrophenol
Concen: 3.335 ng
RT: 9.603 min Scan# 1137
Delta R.T. -0.165 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

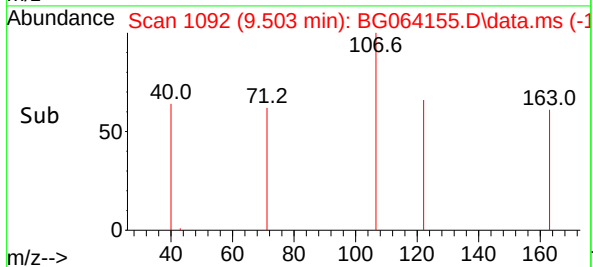
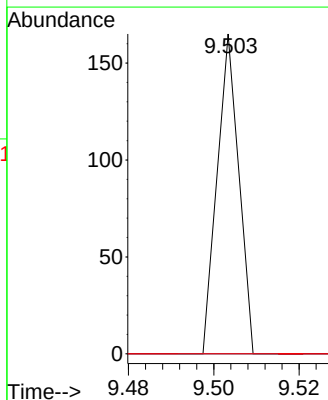
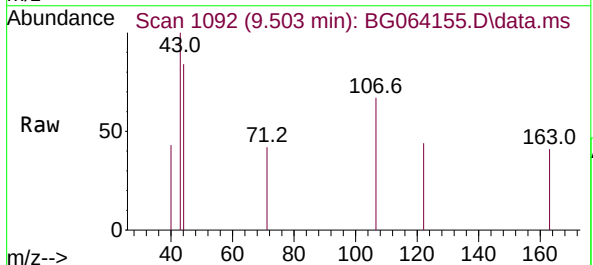
Instrument :
BNA_G
ClientSampleId :
72-11991

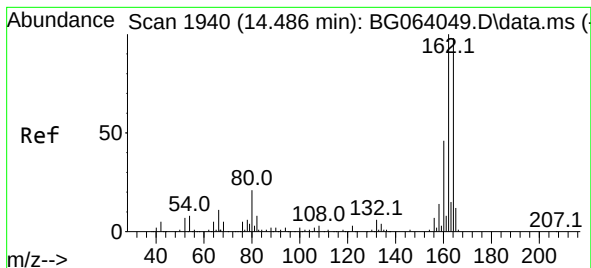
Tgt Ion:139 Resp: 54
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.717 ng
RT: 9.503 min Scan# 1092
Delta R.T. -0.471 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1940

Delta R.T. -0.006 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

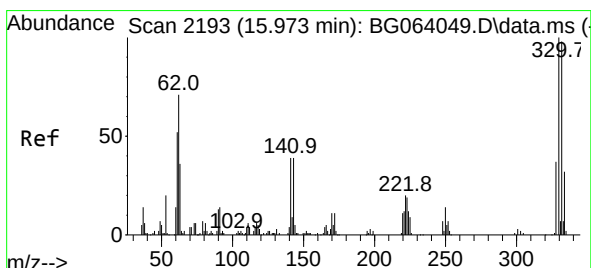
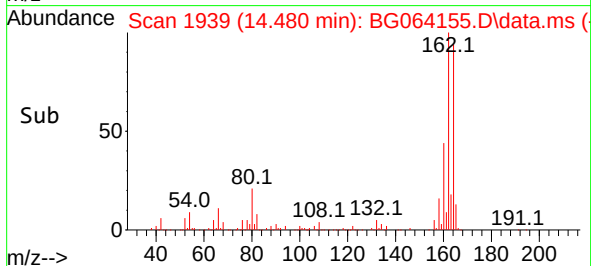
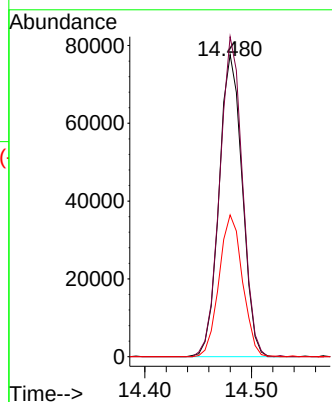
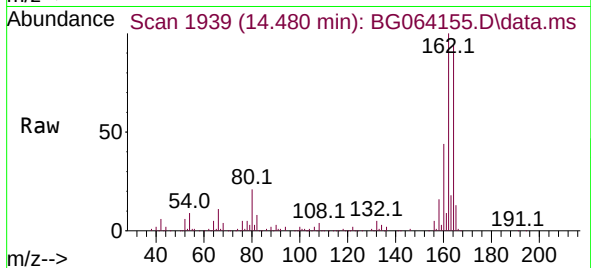
Tgt Ion:164 Resp: 117031

Ion Ratio Lower Upper

164 100

162 105.9 81.4 122.0

160 46.9 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 122.187 ng

RT: 15.966 min Scan# 2192

Delta R.T. -0.007 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

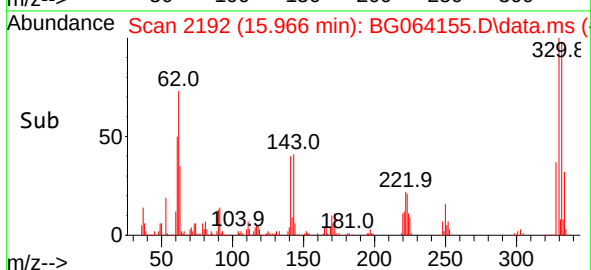
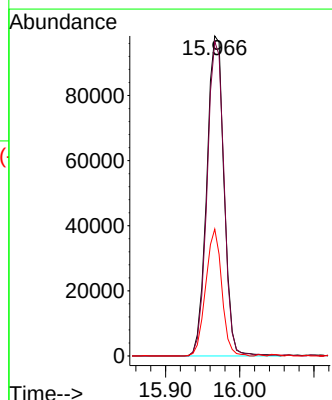
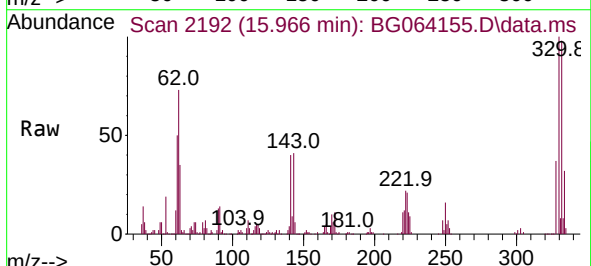
Tgt Ion:330 Resp: 158951

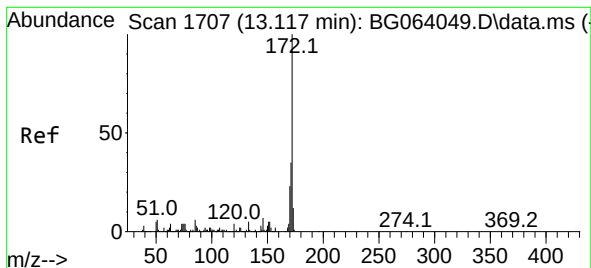
Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 37.0 29.7 44.5





#45

2-Fluorobiphenyl

Concen: 68.483 ng

RT: 13.105 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

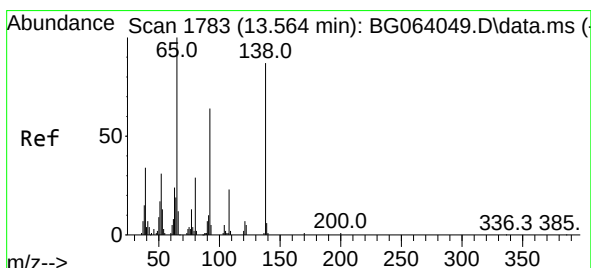
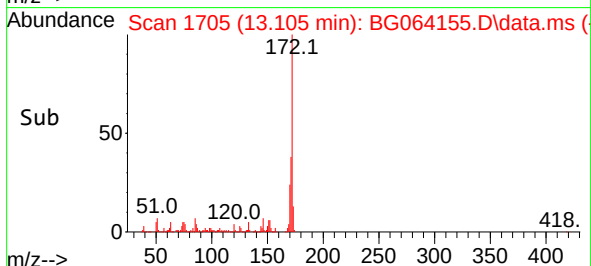
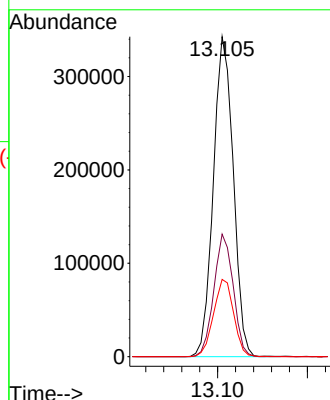
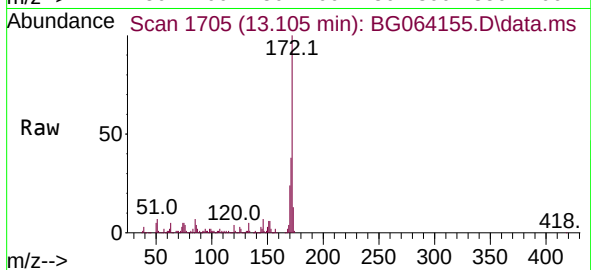
Tgt Ion:172 Resp: 528016

Ion Ratio Lower Upper

172 100

171 38.3 28.0 42.0

170 24.2 18.7 28.1



#48

2-Nitroaniline

Concen: 3.292 ng

RT: 13.534 min Scan# 1778

Delta R.T. -0.030 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

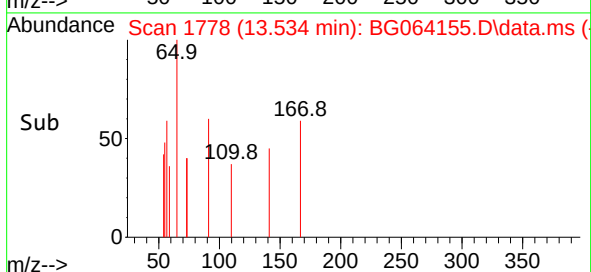
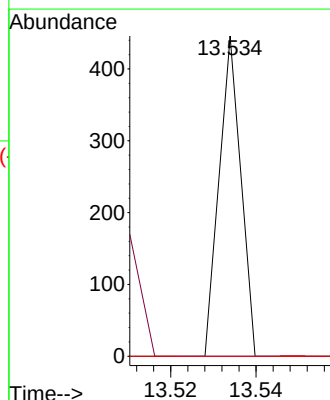
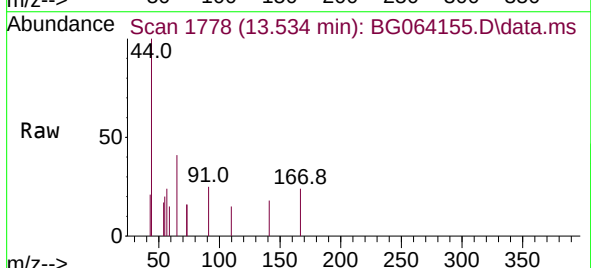
Tgt Ion: 65 Resp: 157

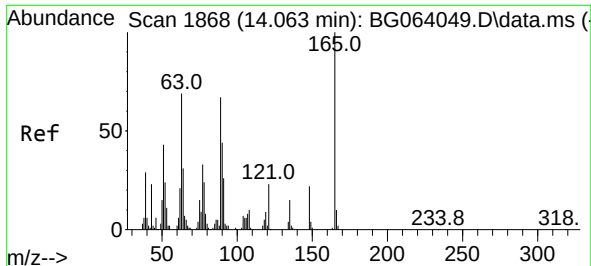
Ion Ratio Lower Upper

65 100

92 0.0 51.2 76.8#

138 0.0 69.4 104.2#

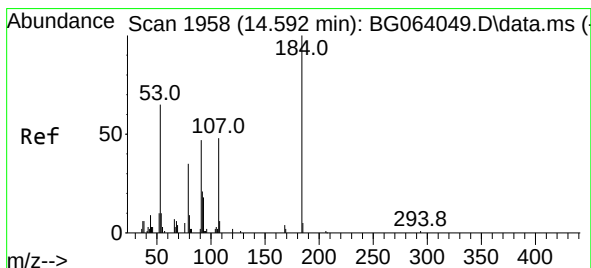
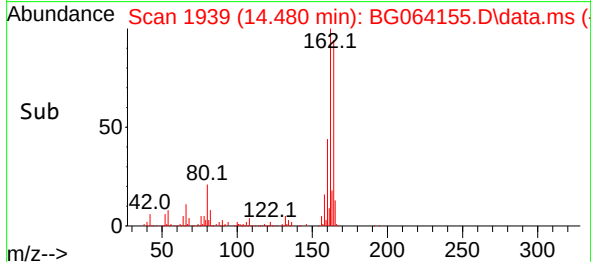
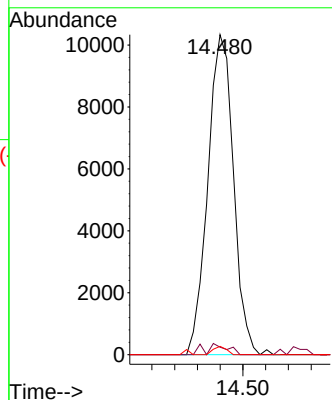
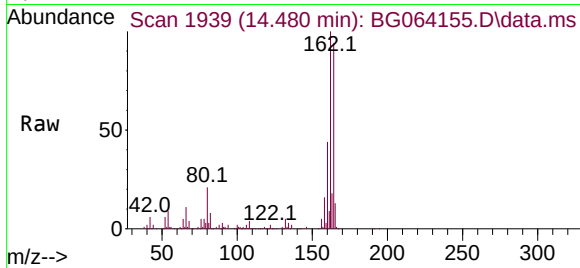




#51
2,6-Dinitrotoluene
Concen: 11.965 ng
RT: 14.480 min Scan# 1939
Delta R.T. 0.417 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

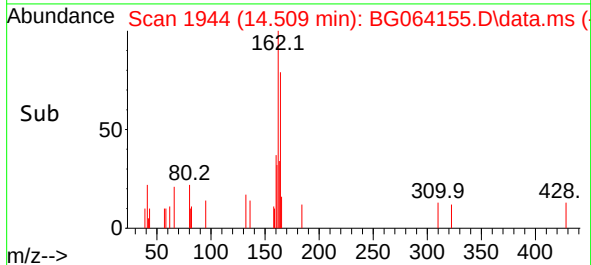
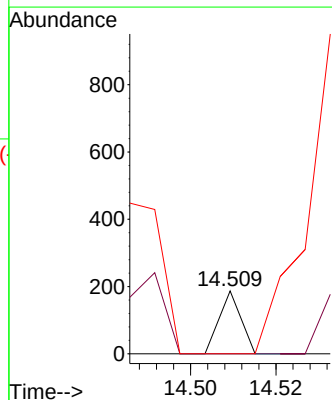
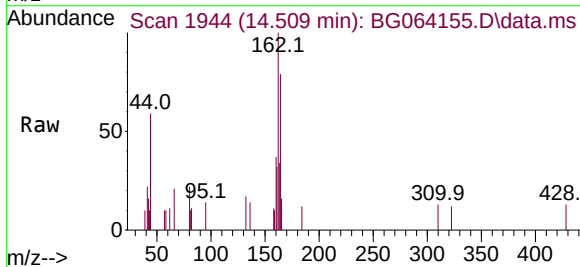
Instrument :
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72-11991

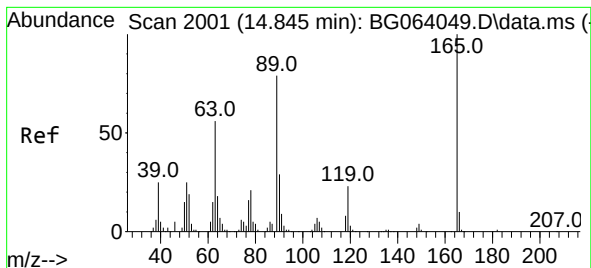
Tgt Ion:165 Resp: 16220
Ion Ratio Lower Upper
165 100
63 2.3 56.7 85.1#
89 2.6 53.7 80.5#



#54
2,4-Dinitrophenol
Concen: 7.963 ng
RT: 14.509 min Scan# 1944
Delta R.T. -0.083 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

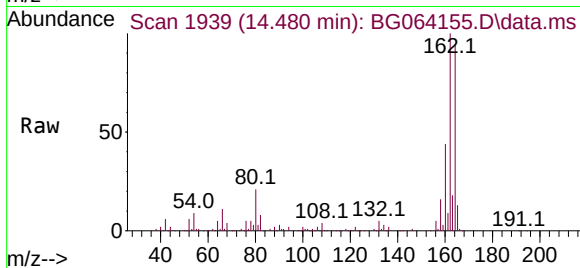
Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#



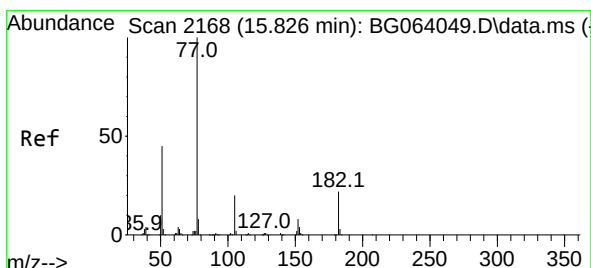
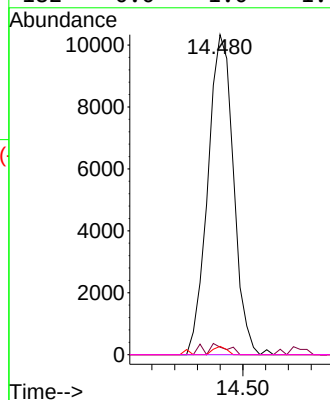
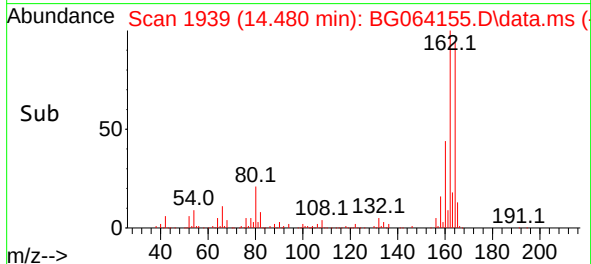


#57
 2,4-Dinitrotoluene
 Concen: 9.843 ng
 RT: 14.480 min Scan# 1939
 Delta R.T. -0.365 min
 Lab File: BG064155.D
 Acq: 2 Apr 2025 16:24

Instrument :
 BNA_G
 ClientSampleId :
 72-11991

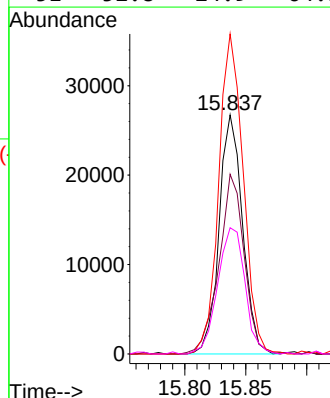
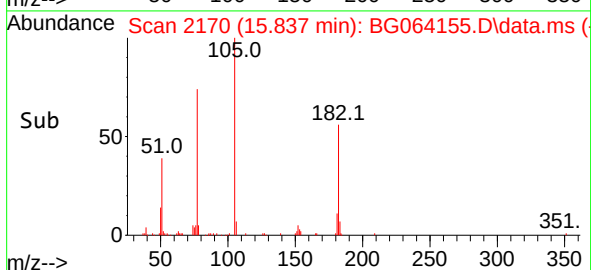
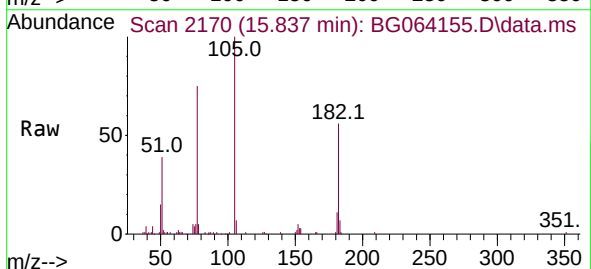


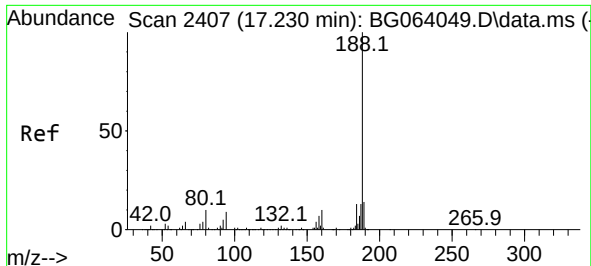
Tgt Ion:165 Resp: 16220
 Ion Ratio Lower Upper
 165 100
 63 2.3 45.0 67.6#
 89 2.6 63.1 94.7#
 182 0.0 1.0 1.4#



#63
 Azobenzene
 Concen: 3.571 ng
 RT: 15.837 min Scan# 2170
 Delta R.T. 0.011 min
 Lab File: BG064155.D
 Acq: 2 Apr 2025 16:24

Tgt Ion: 77 Resp: 35733
 Ion Ratio Lower Upper
 77 100
 182 75.2 2.4 42.4#
 105 133.9 0.0 40.0#
 51 52.8 24.9 64.9

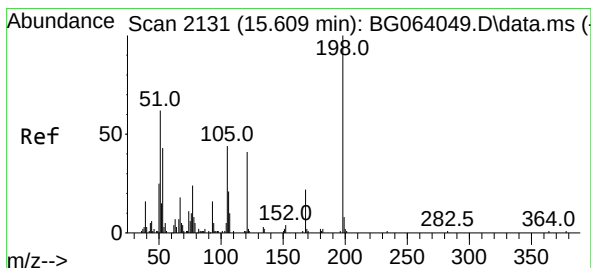
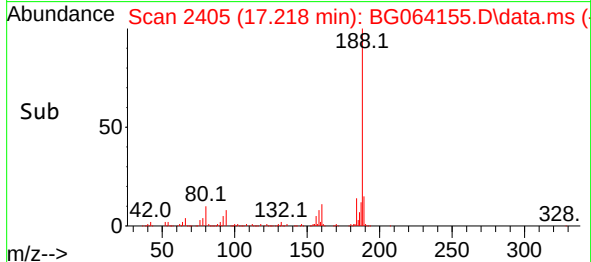
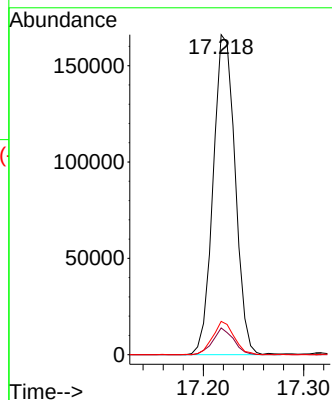
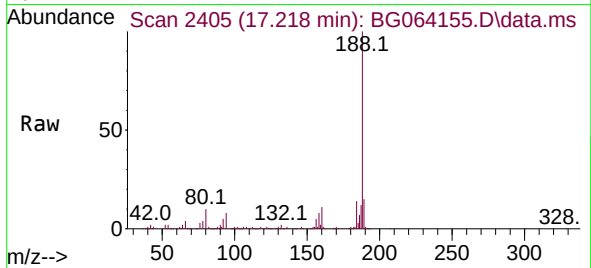




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.012 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

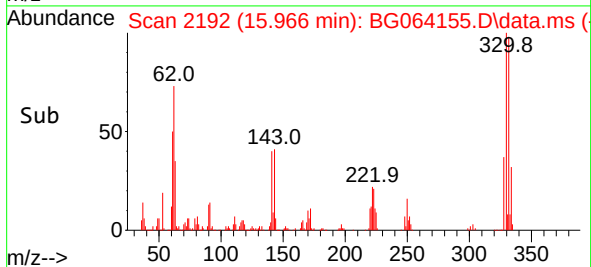
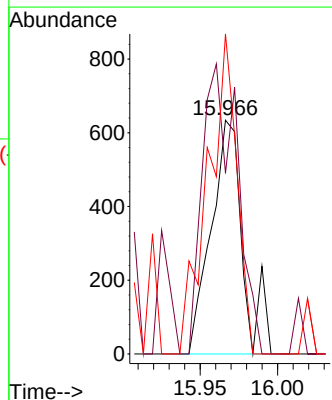
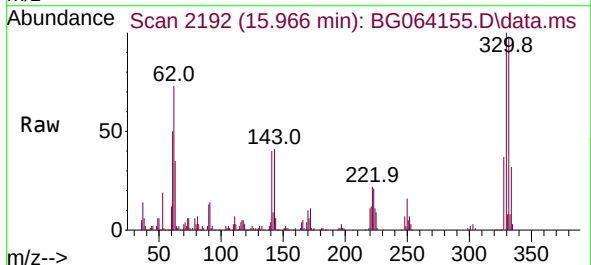
Instrument :
BNA_G
ClientSampleId :
72-11991

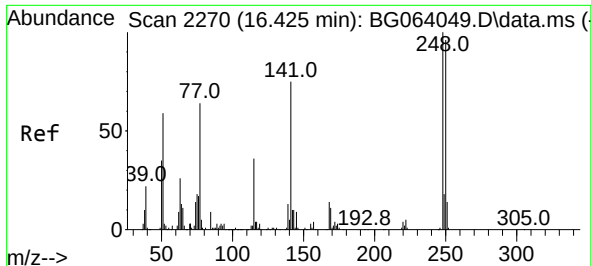
Tgt Ion:188 Resp: 252550
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 10.4 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 8.859 ng
RT: 15.966 min Scan# 2192
Delta R.T. 0.357 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:198 Resp: 894
Ion Ratio Lower Upper
198 100
51 77.3 45.6 85.6
105 136.9 25.3 65.3#

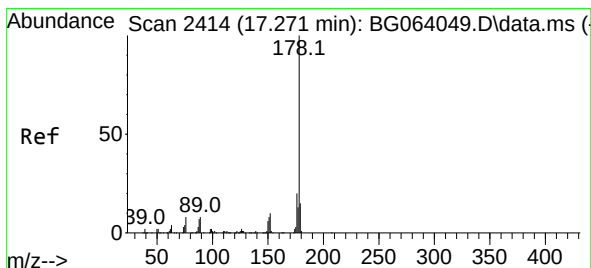
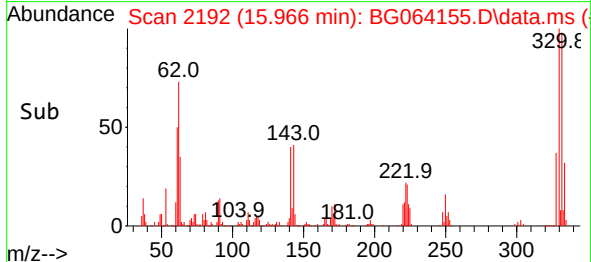
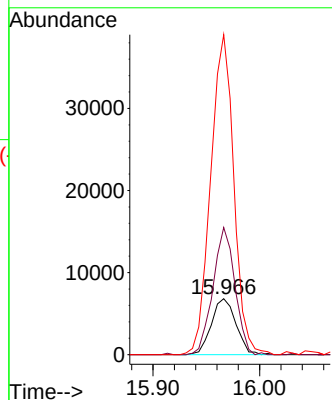
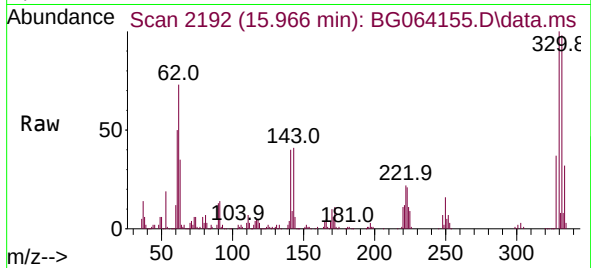




#67
4-Bromophenyl-phenylether
Concen: 4.212 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.459 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

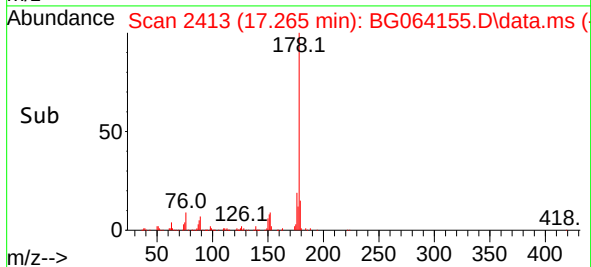
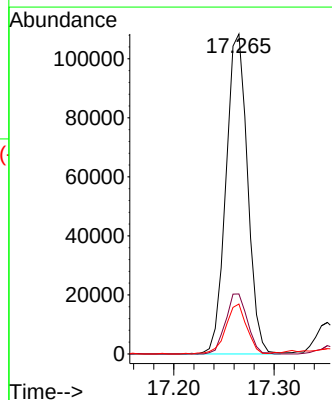
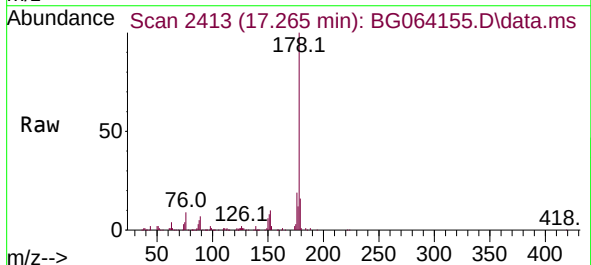
Instrument :
BNA_G
ClientSampleId :
72-11991

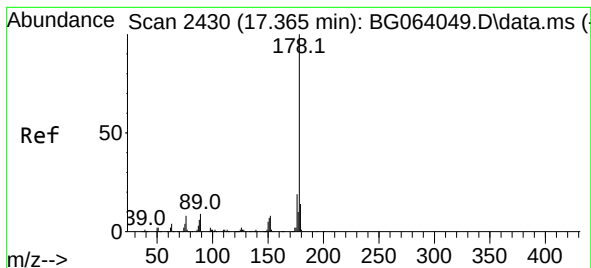
Tgt Ion:248 Resp: 10894
Ion Ratio Lower Upper
248 100
250 227.4 77.1 115.7#
141 571.9 59.8 89.8#



#71
Phenanthrene
Concen: 11.995 ng
RT: 17.265 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:178 Resp: 161578
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.6 12.2 18.2





#72

Anthracene

Concen: 12.063 ng

RT: 17.265 min Scan# 2430

Delta R.T. -0.101 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

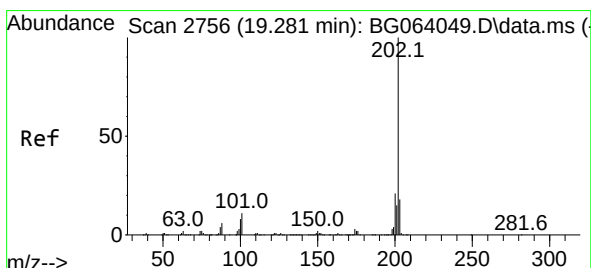
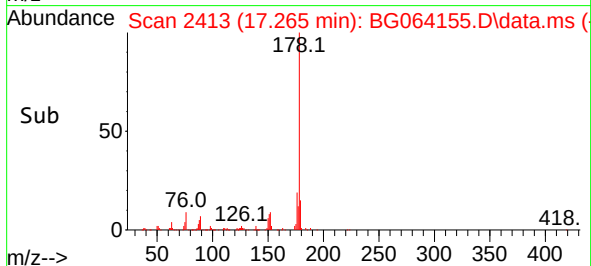
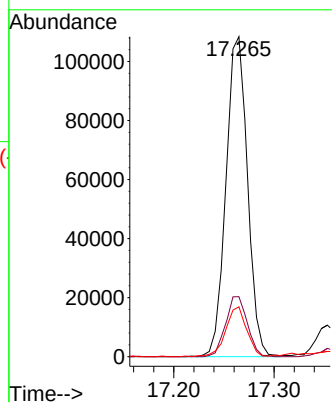
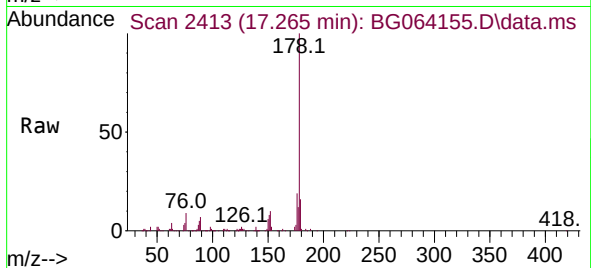
Tgt Ion:178 Resp: 161578

Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 15.6 11.5 17.3



#75

Fluoranthene

Concen: 27.155 ng

RT: 19.274 min Scan# 2755

Delta R.T. -0.006 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

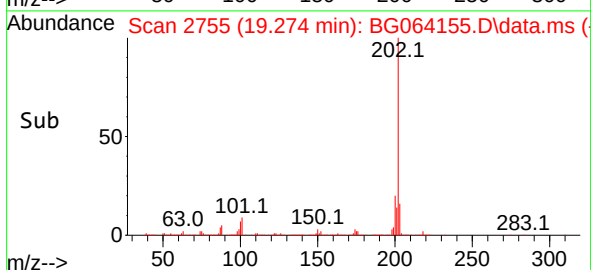
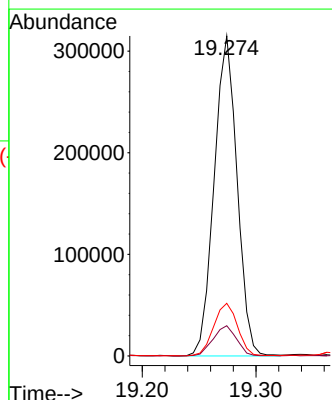
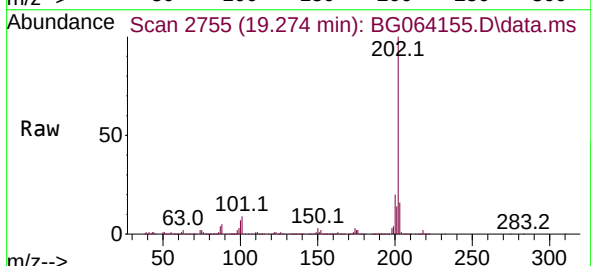
Tgt Ion:202 Resp: 440988

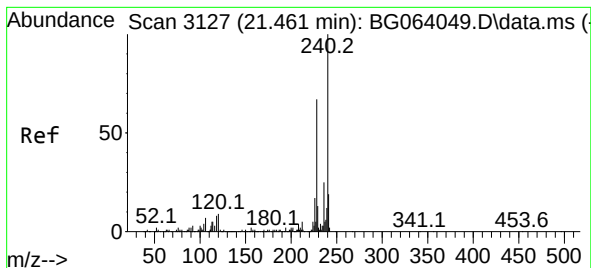
Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.5

203 16.4 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.454 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

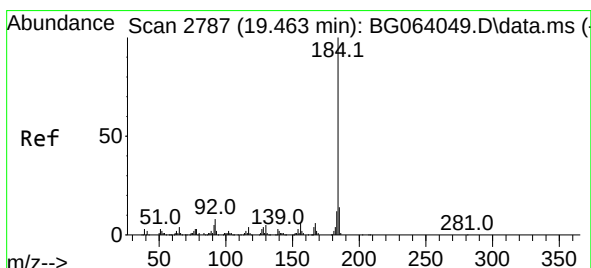
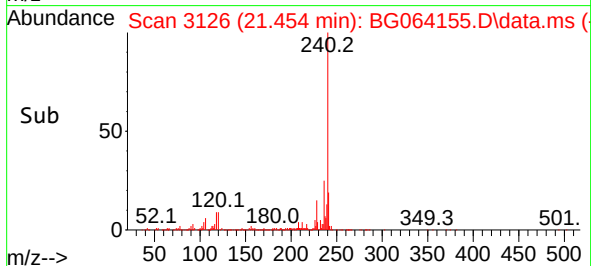
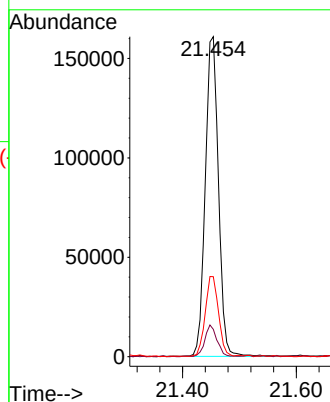
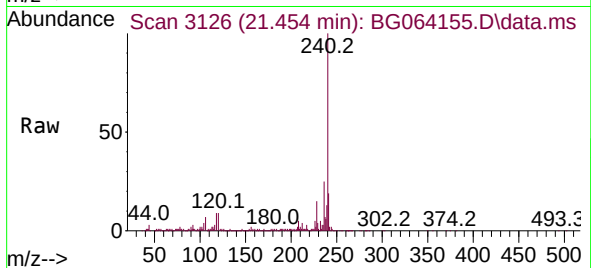
Tgt Ion:240 Resp: 257269

Ion Ratio Lower Upper

240 100

120 8.5 7.2 10.8

236 25.0 20.2 30.2



#77

Benzidine

Concen: 4.288 ng

RT: 19.844 min Scan# 2852

Delta R.T. 0.381 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

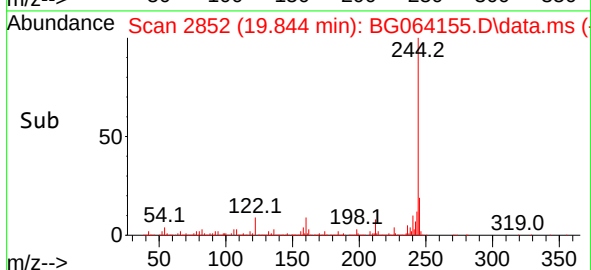
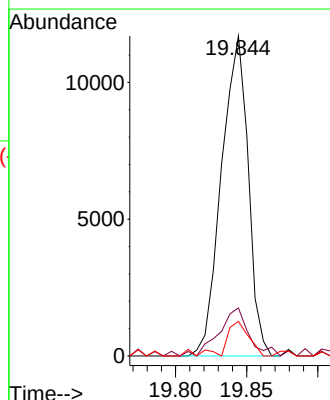
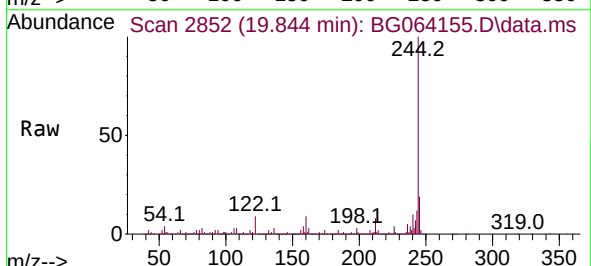
Tgt Ion:184 Resp: 15274

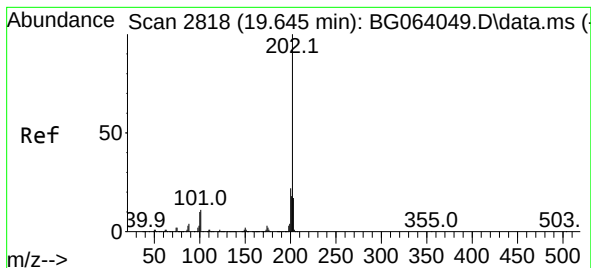
Ion Ratio Lower Upper

184 100

185 15.0 11.3 16.9

183 10.8 9.5 14.3





#78

Pyrene

Concen: 24.512 ng

RT: 19.633 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

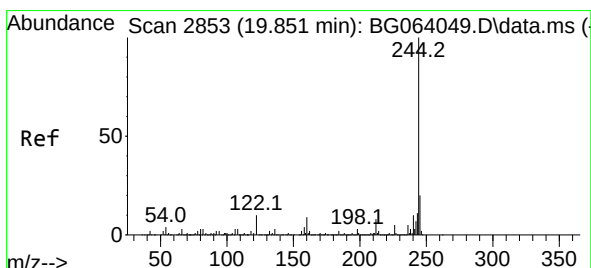
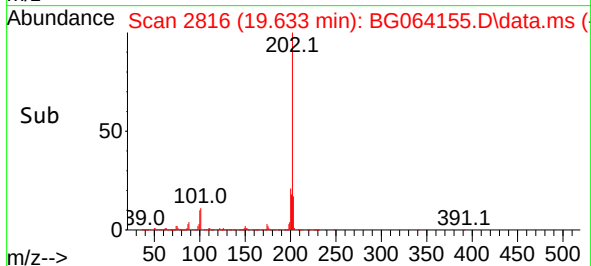
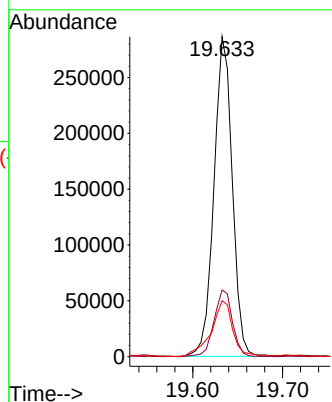
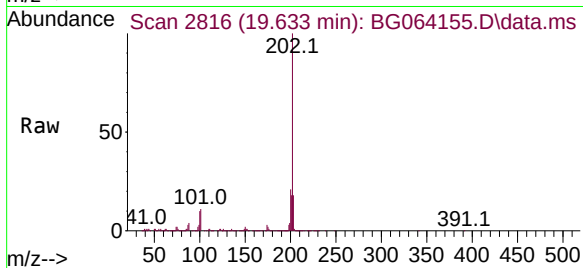
Tgt Ion:202 Resp: 406507

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 17.5 13.6 20.4



#79

Terphenyl-d14

Concen: 62.668 ng

RT: 19.844 min Scan# 2852

Delta R.T. -0.007 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

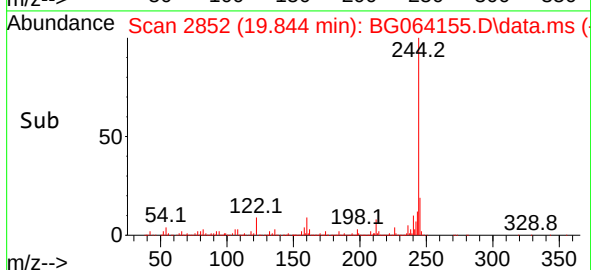
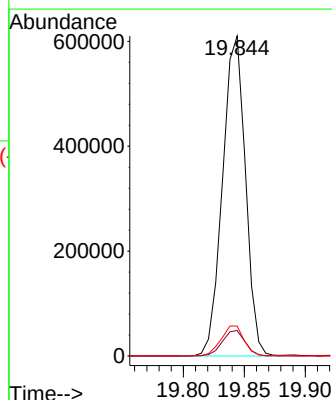
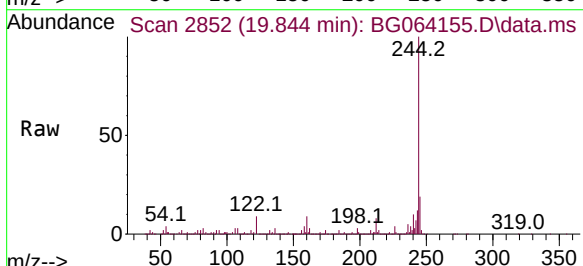
Tgt Ion:244 Resp: 797353

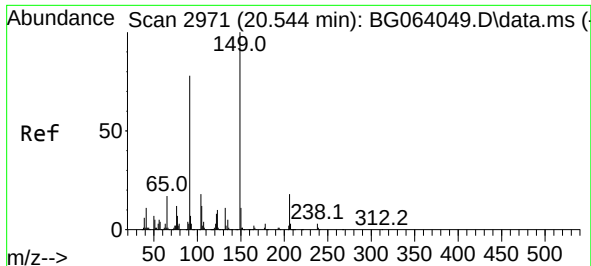
Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.4

122 9.3 8.0 12.0

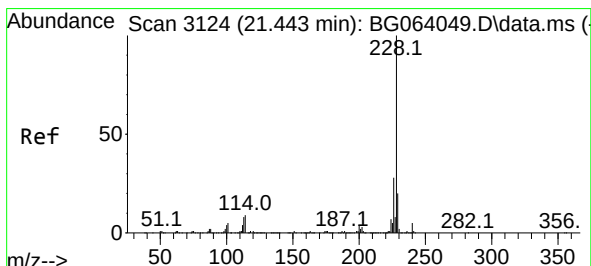
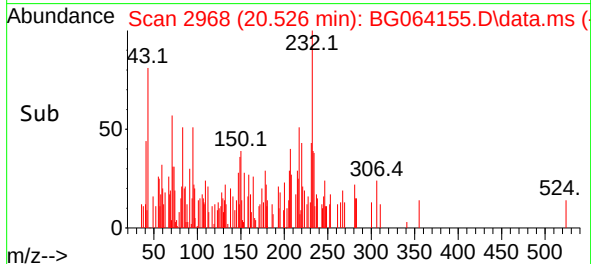
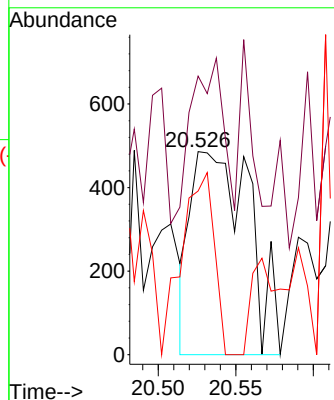
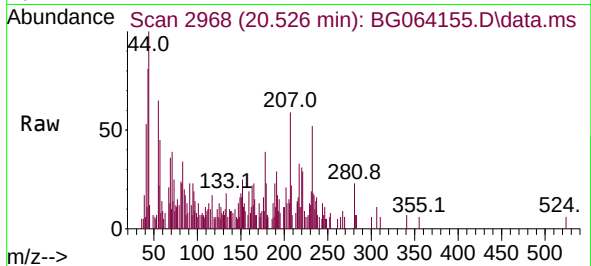




#80
 Butylbenzylphthalate
 Concen: 3.829 ng
 RT: 20.526 min Scan# 2971
 Delta R.T. -0.018 min
 Lab File: BG064155.D
 Acq: 2 Apr 2025 16:24

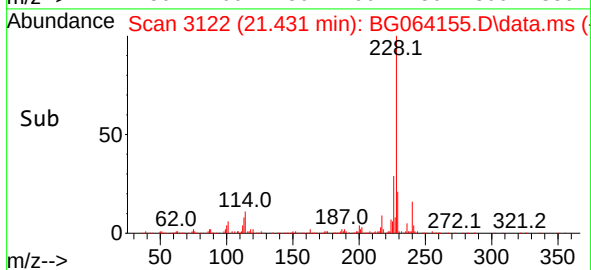
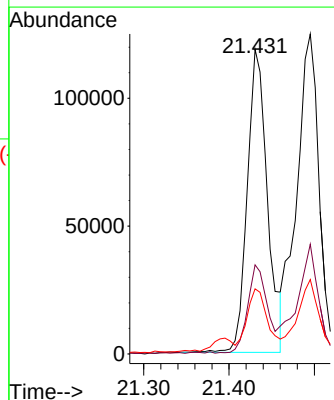
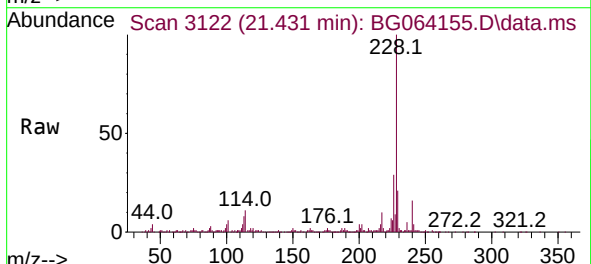
Instrument :
 BNA_G
 ClientSampleId :
 72-11991

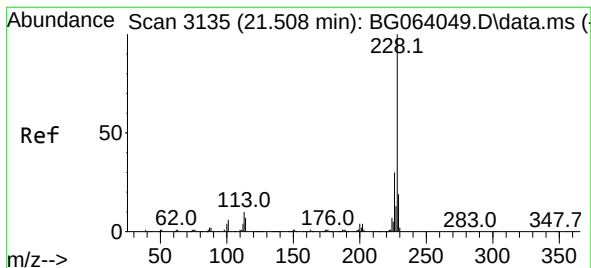
Tgt Ion:149 Resp: 1292
 Ion Ratio Lower Upper
 149 100
 91 137.2 62.0 93.0#
 206 80.7 14.6 21.8#



#81
 Benzo(a)anthracene
 Concen: 11.797 ng
 RT: 21.431 min Scan# 3122
 Delta R.T. -0.012 min
 Lab File: BG064155.D
 Acq: 2 Apr 2025 16:24

Tgt Ion:228 Resp: 194420
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.2 33.2
 229 21.4 16.4 24.6





#83

Chrysene

Concen: 11.828 ng

RT: 21.431 min Scan# 31

Delta R.T. -0.077 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

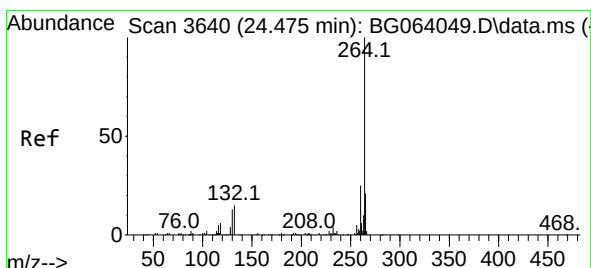
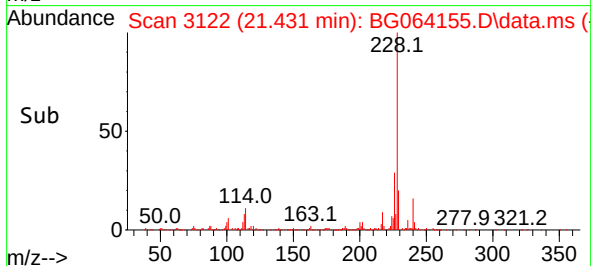
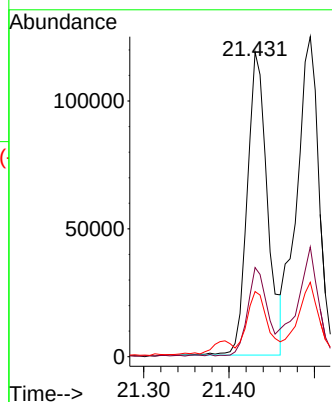
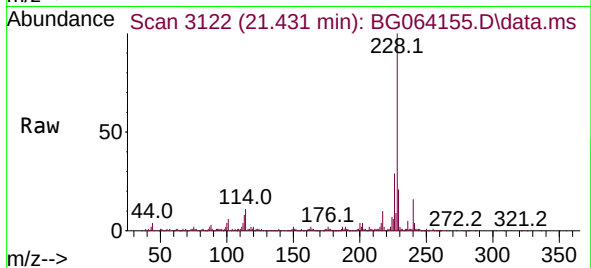
Tgt Ion:228 Resp: 194420

Ion Ratio Lower Upper

228 100

226 29.3 23.9 35.9

229 21.4 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3638

Delta R.T. -0.012 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

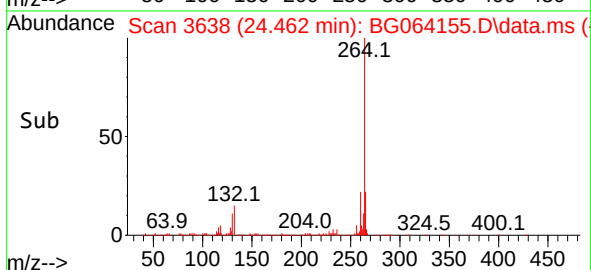
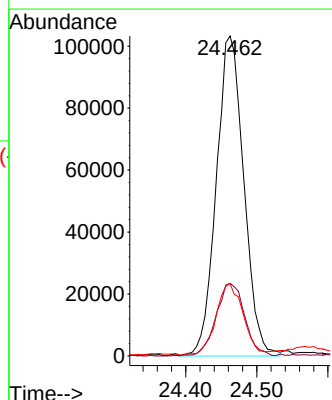
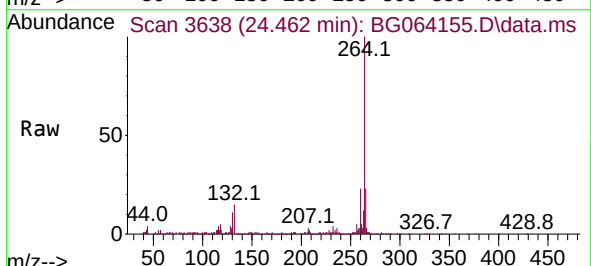
Tgt Ion:264 Resp: 277239

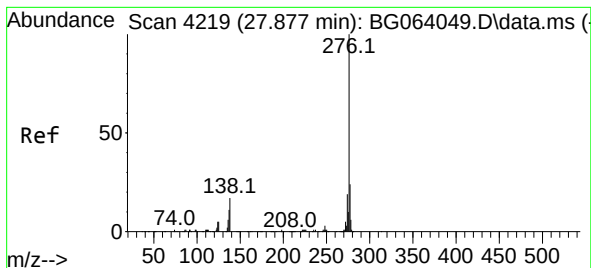
Ion Ratio Lower Upper

264 100

260 22.7 19.6 29.4

265 22.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.613 ng

RT: 27.847 min Scan# 41

Delta R.T. -0.030 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

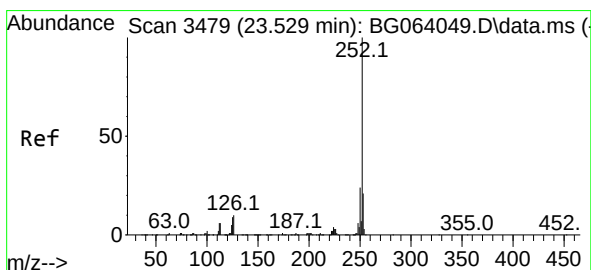
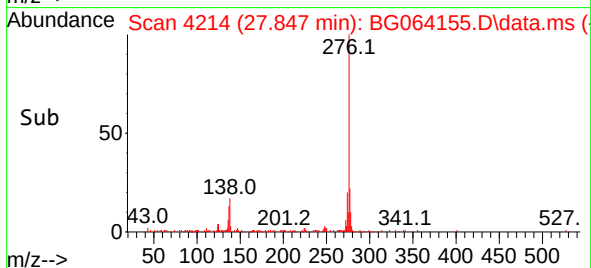
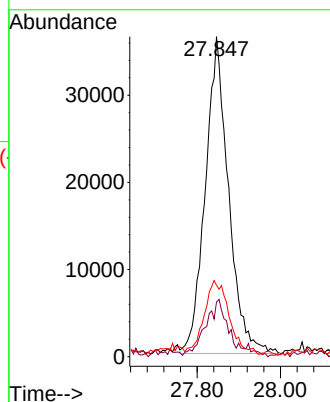
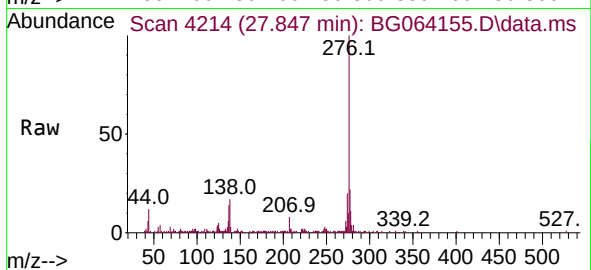
Tgt Ion:276 Resp: 141212

Ion Ratio Lower Upper

276 100

138 16.8 12.1 18.1

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 17.908 ng

RT: 23.516 min Scan# 3477

Delta R.T. -0.012 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

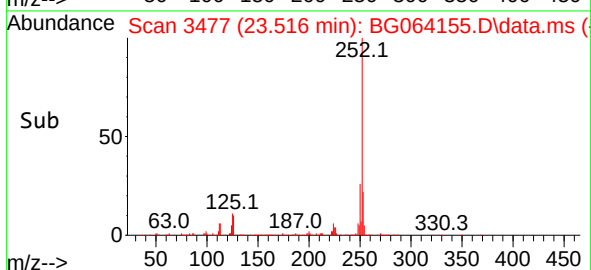
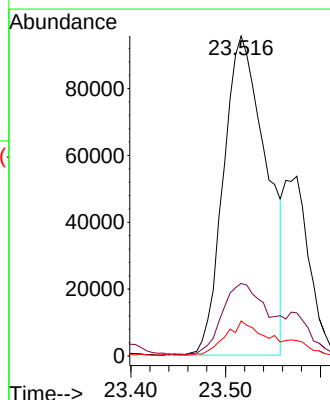
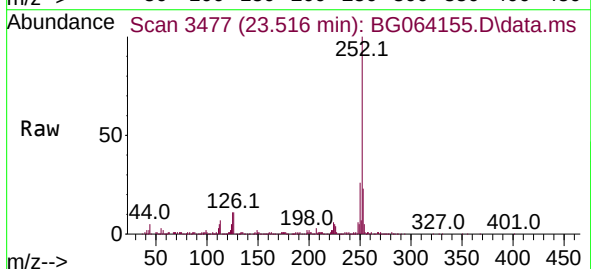
Tgt Ion:252 Resp: 300147

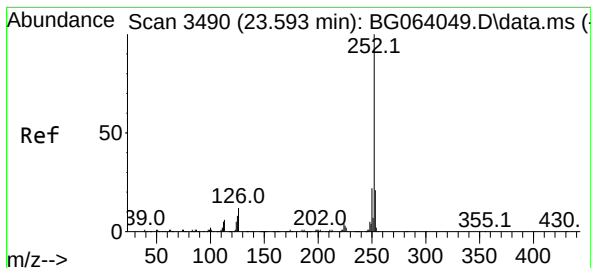
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 11.0 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 17.851 ng

RT: 23.516 min Scan# 34

Delta R.T. -0.077 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

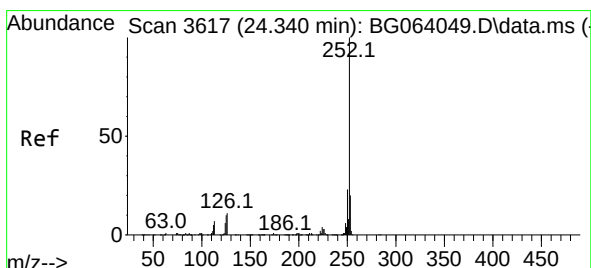
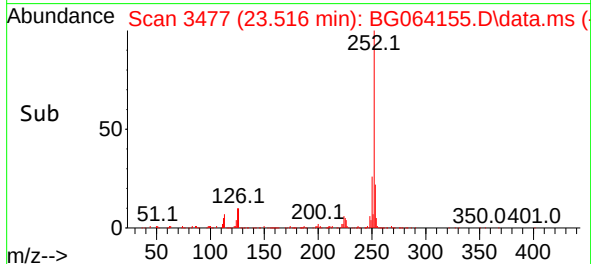
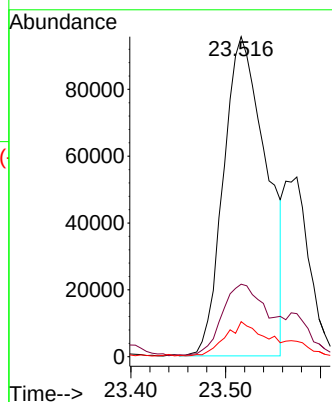
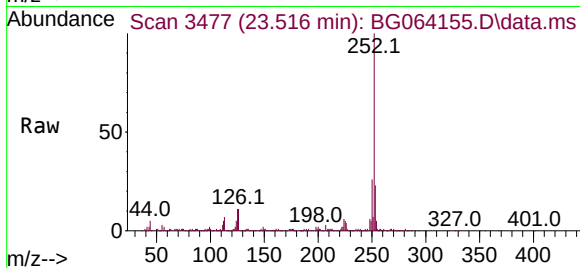
Tgt Ion:252 Resp: 300147

Ion Ratio Lower Upper

252 100

253 22.7 16.8 25.2

125 11.0 6.9 10.3#



#90

Benzo(a)pyrene

Concen: 12.751 ng

RT: 24.321 min Scan# 3614

Delta R.T. -0.018 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

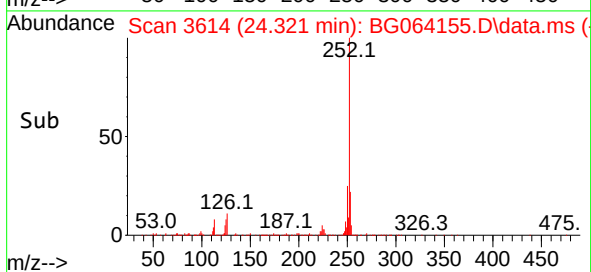
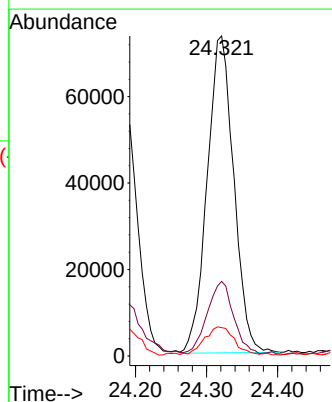
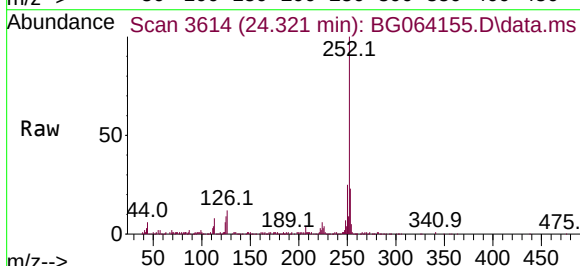
Tgt Ion:252 Resp: 190327

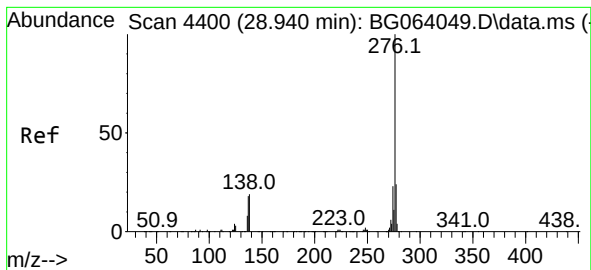
Ion Ratio Lower Upper

252 100

253 23.3 16.2 24.2

125 8.9 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 8.423 ng

RT: 28.904 min Scan# 41

Delta R.T. -0.036 min

Lab File: BG064155.D

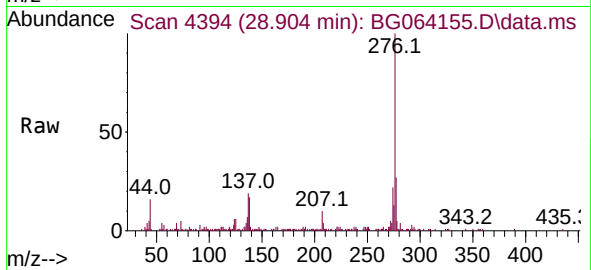
Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991



Tgt Ion:276 Resp: 132998

Ion Ratio Lower Upper

276 100

277 26.6 19.5 29.3

138 17.3 15.4 23.0

