

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
 Data File : BG064781.D
 Acq On : 14 Nov 2025 16:00
 Operator : RC/JU
 Sample : Q3633-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 14 16:39:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

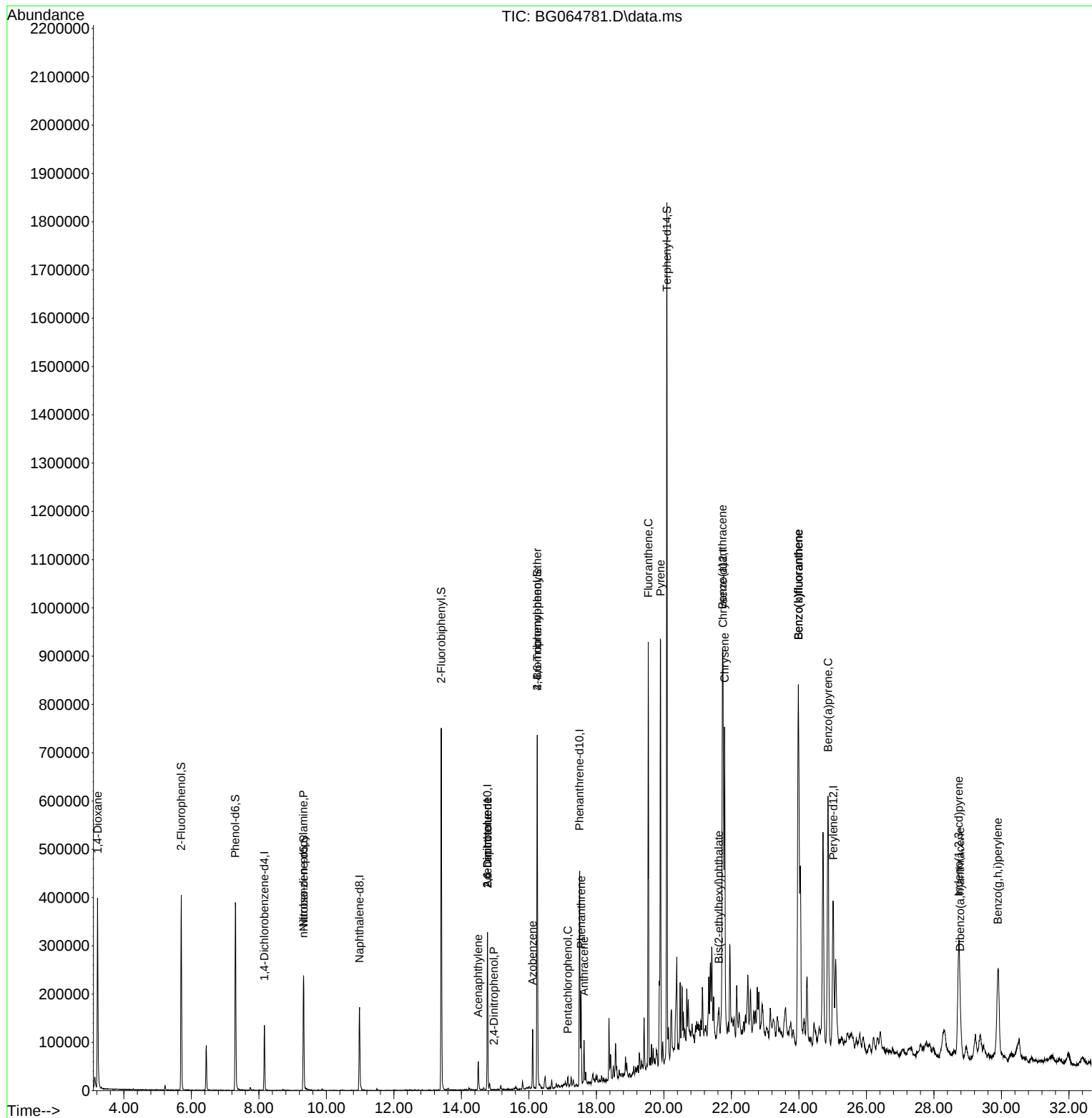
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	39451	20.000	ng	0.00
21) Naphthalene-d8	10.982	136	152765	20.000	ng	0.00
39) Acenaphthene-d10	14.771	164	124633	20.000	ng	0.00
64) Phenanthrene-d10	17.497	188	304356	20.000	ng	0.00
76) Chrysene-d12	21.751	240	333502	20.000	ng	0.00
86) Perylene-d12	25.018	264	356161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	168756	74.696	ng	0.00
7) Phenol-d6	7.304	99	223894	74.510	ng	0.00
23) Nitrobenzene-d5	9.325	82	146844	47.526	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	177855	73.169	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	425695	47.659	ng	0.00
79) Terphenyl-d14	20.089	244	921444	54.349	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.220	88	3735	4.270	ng	# 1
19) n-Nitroso-di-n-propyla...	9.319	70	19161	9.431	ng	# 65
49) Acenaphthylene	14.501	152	52390	4.348	ng	93
51) 2,6-Dinitrotoluene	14.771	165	16412	8.663	ng	# 22
54) 2,4-Dinitrophenol	14.959	184	56	8.622	ng	# 20
57) 2,4-Dinitrotoluene	14.771	165	16412	5.779	ng	# 25
63) Azobenzene	16.111	77	34926	4.452	ng	# 1
67) 4-Bromophenyl-phenylether	16.246	248	10664	2.668	ng	# 1
70) Pentachlorophenol	17.151	266	2046	6.802	ng	# 83
71) Phenanthrene	17.544	178	127409	7.651	ng	99
72) Anthracene	17.633	178	66958	3.943	ng	99
75) Fluoranthene	19.536	202	558454	24.525	ng	99
78) Pyrene	19.901	202	620796	33.213	ng	97
81) Benzo(a)anthracene	21.734	228	513288	22.635	ng	95
83) Chrysene	21.798	228	568448	26.589	ng	99
84) Bis(2-ethylhexyl)phtha...	21.634	149	21167	2.203	ng	98
87) Indeno(1,2,3-cd)pyrene	28.737	276	458695	18.746	ng	# 96
88) Benzo(b)fluoranthene	23.984	252	1033743	45.609	ng	97
89) Benzo(k)fluoranthene	23.984	252	1033743	45.397	ng	98
90) Benzo(a)pyrene	24.865	252	642906	30.578	ng	98
91) Dibenzo(a,h)anthracene	28.778	278	118984	5.936	ng	94
92) Benzo(g,h,i)perylene	29.895	276	434838	22.540	ng	99

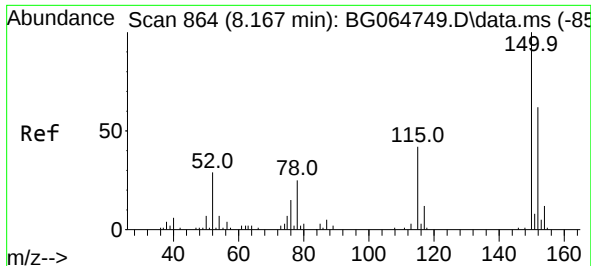
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
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Instrument :
BNA_G
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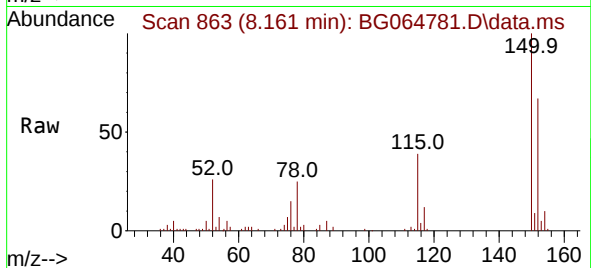
Quant Time: Nov 14 16:39:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



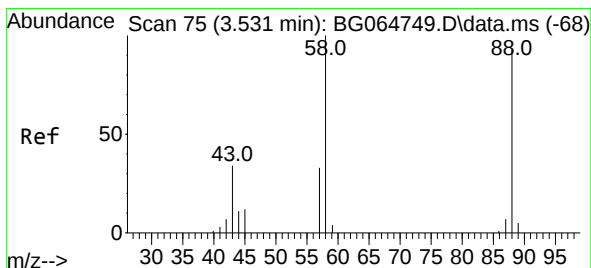
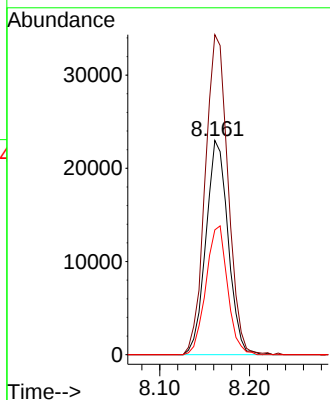
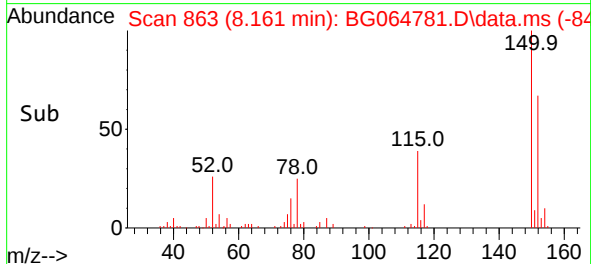


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.161 min Scan# 80
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Instrument :
BNA_G
ClientSampleId :

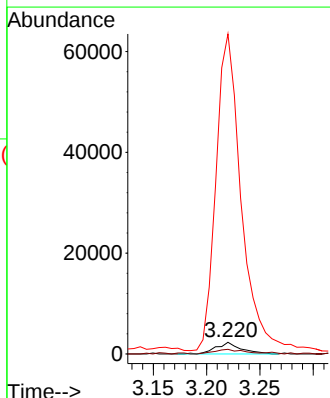
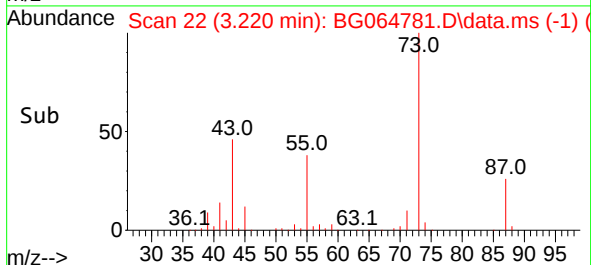
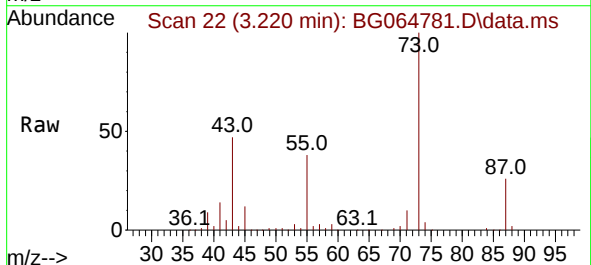


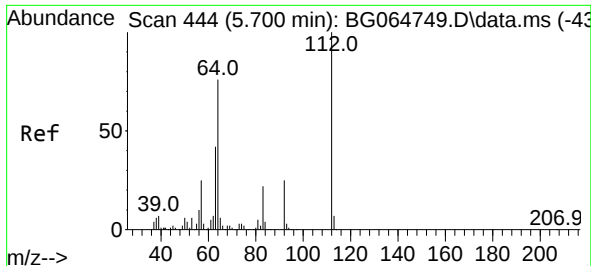
Tgt Ion:152 Resp: 39451
Ion Ratio Lower Upper
152 100
150 149.4 129.2 193.8
115 58.3 53.7 80.5



#2
1,4-Dioxane
Concen: 4.270 ng
RT: 3.220 min Scan# 22
Delta R.T. -0.311 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Tgt Ion: 88 Resp: 3735
Ion Ratio Lower Upper
88 100
58 46.2 84.6 126.8#
43 2802.2 30.0 45.0#

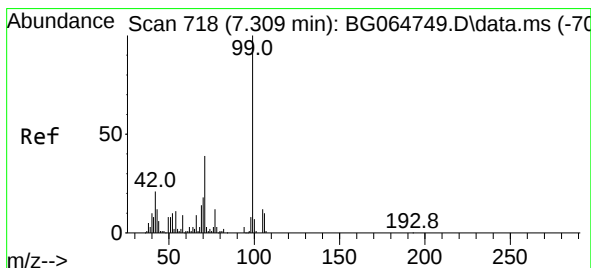
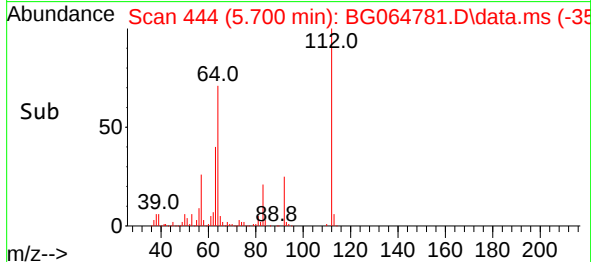
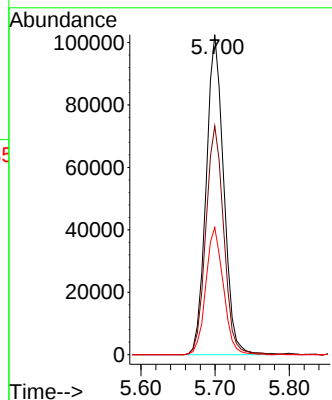
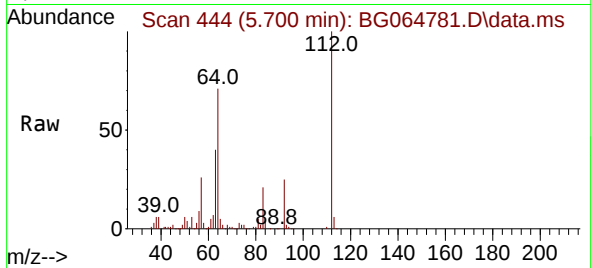




#5
2-Fluorophenol
Concen: 74.696 ng
RT: 5.700 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

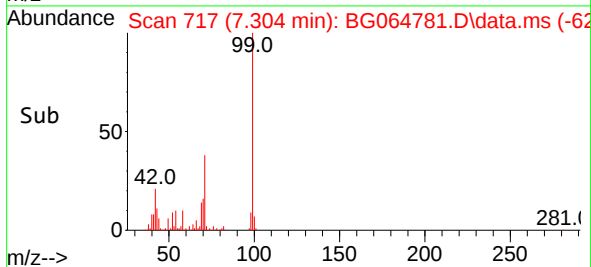
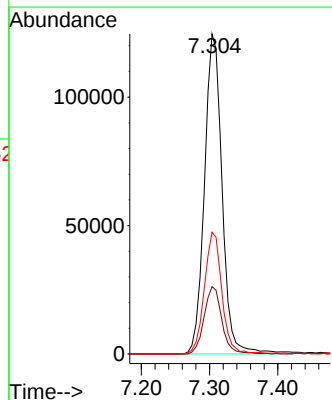
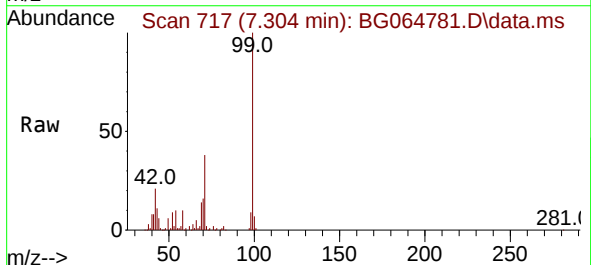
Instrument :
BNA_G
ClientSampleId :

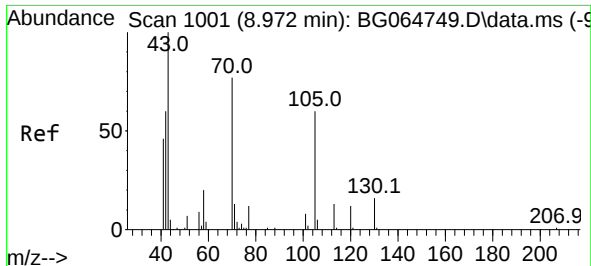
Tgt Ion:112 Resp: 168756
Ion Ratio Lower Upper
112 100
64 71.5 61.0 91.4
63 39.8 33.3 49.9



#7
Phenol-d6
Concen: 74.510 ng
RT: 7.304 min Scan# 717
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

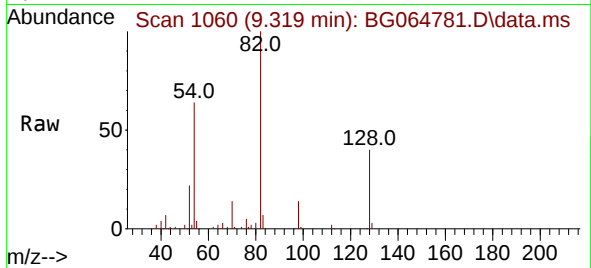
Tgt Ion: 99 Resp: 223894
Ion Ratio Lower Upper
99 100
42 21.0 16.8 25.2
71 38.1 31.1 46.7



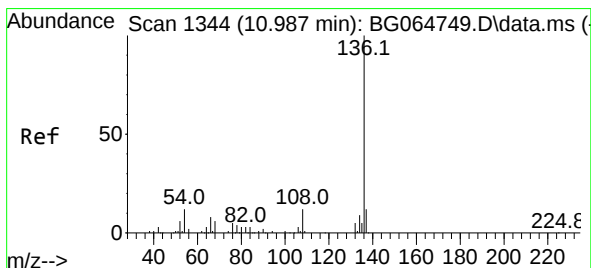
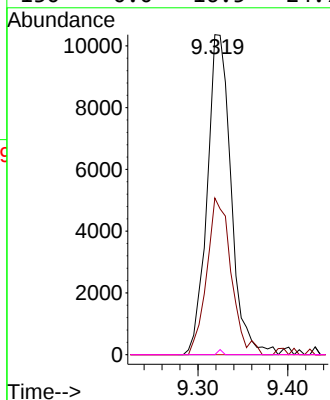
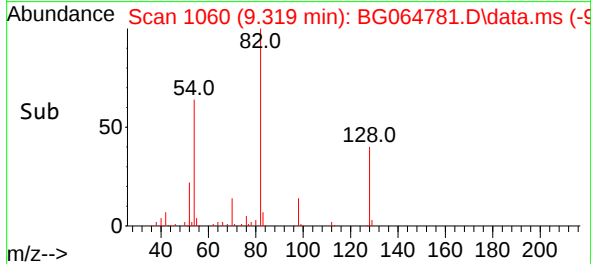


#19
n-Nitroso-di-n-propylamine
Concen: 9.431 ng
RT: 9.319 min Scan# 1060
Delta R.T. 0.347 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

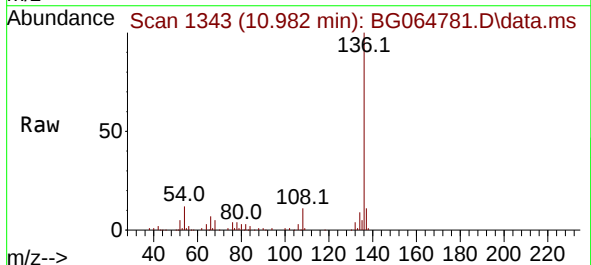
Instrument :
BNA_G
ClientSampleId :



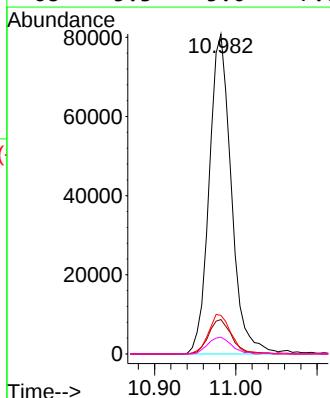
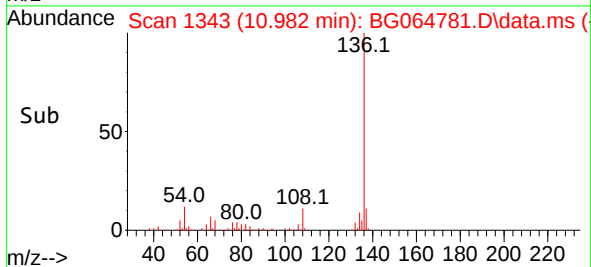
Tgt Ion: 70 Resp: 19161
Ion Ratio Lower Upper
70 100
42 48.9 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

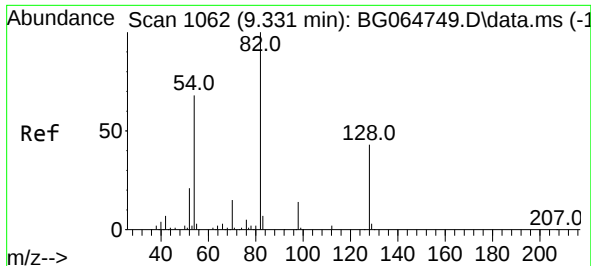


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.982 min Scan# 1343
Delta R.T. -0.005 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



Tgt Ion: 136 Resp: 152765
Ion Ratio Lower Upper
136 100
137 10.8 9.3 13.9
54 12.0 9.3 13.9
68 5.3 5.0 7.6

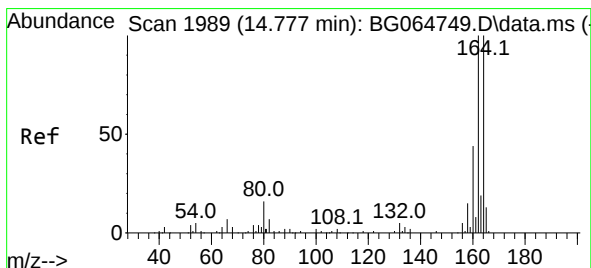
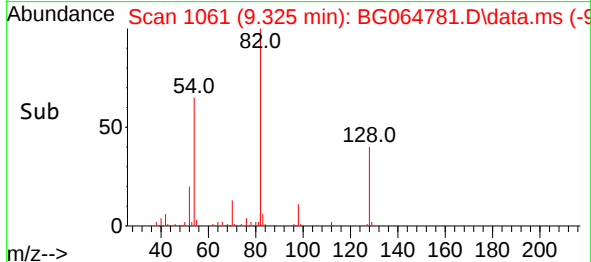
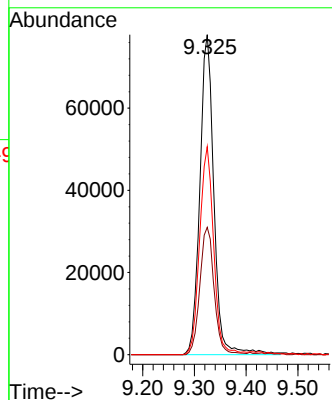
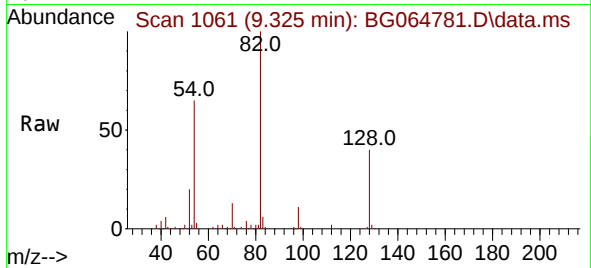




#23
Nitrobenzene-d5
Concen: 47.526 ng
RT: 9.325 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

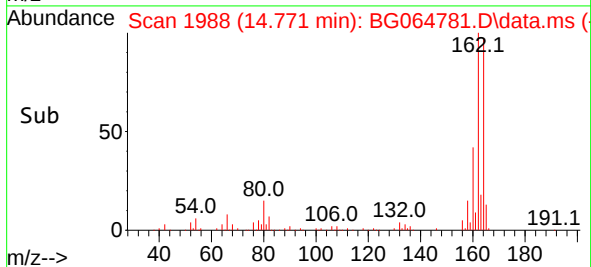
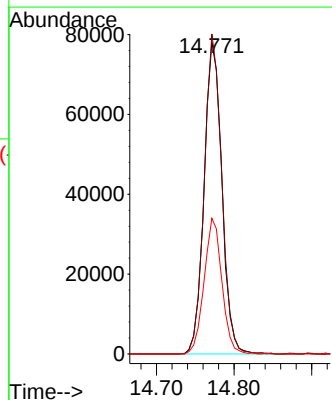
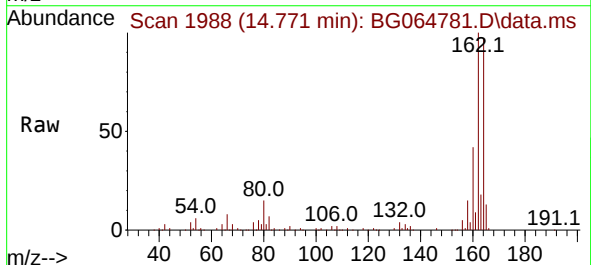
Instrument :
BNA_G
ClientSampleId :

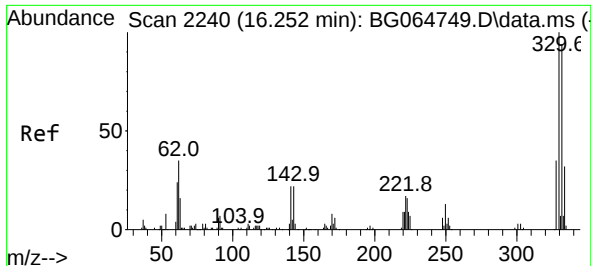
Tgt Ion: 82 Resp: 146844
Ion Ratio Lower Upper
82 100
128 39.8 34.1 51.1
54 65.0 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.771 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Tgt Ion:164 Resp: 124633
Ion Ratio Lower Upper
164 100
162 102.7 79.8 119.6
160 43.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 73.169 ng

RT: 16.246 min Scan# 21

Delta R.T. -0.006 min

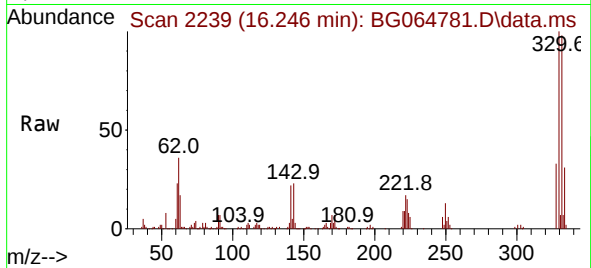
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Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :



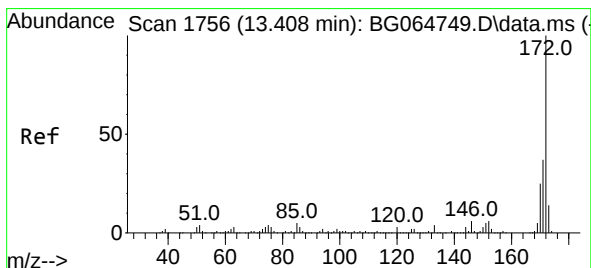
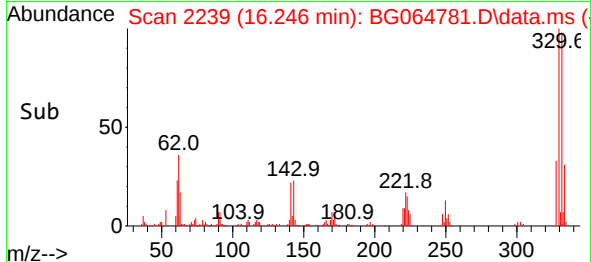
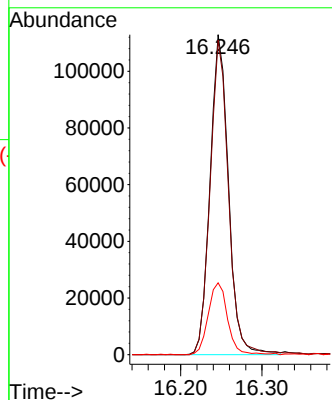
Tgt Ion:330 Resp: 177855

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

141 23.4 18.2 27.2



#45

2-Fluorobiphenyl

Concen: 47.659 ng

RT: 13.402 min Scan# 1755

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

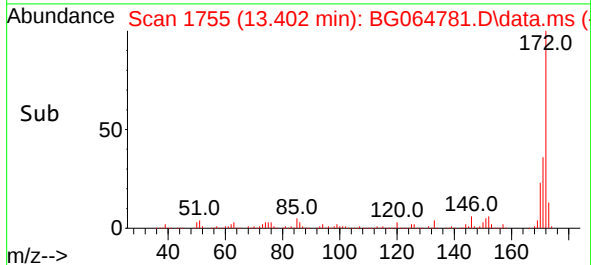
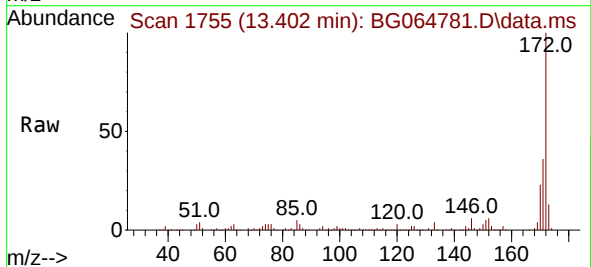
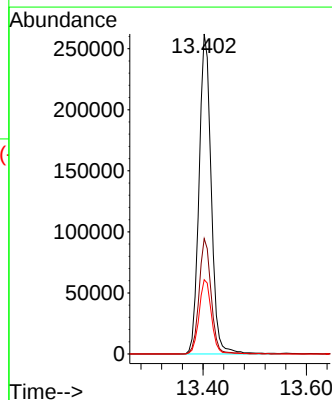
Tgt Ion:172 Resp: 425695

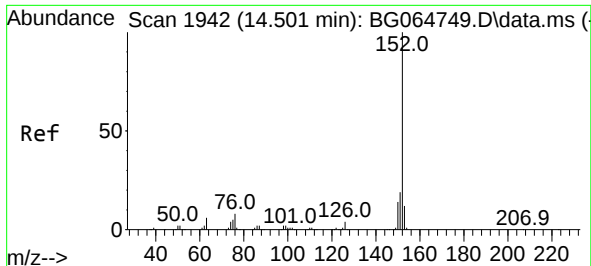
Ion Ratio Lower Upper

172 100

171 36.0 29.9 44.9

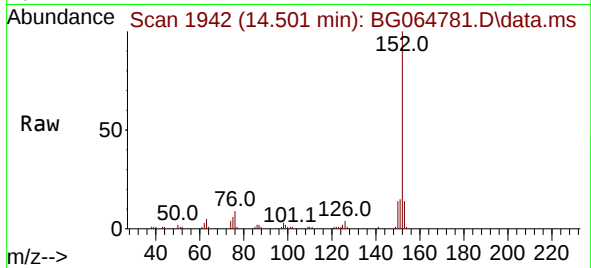
170 23.2 19.8 29.6



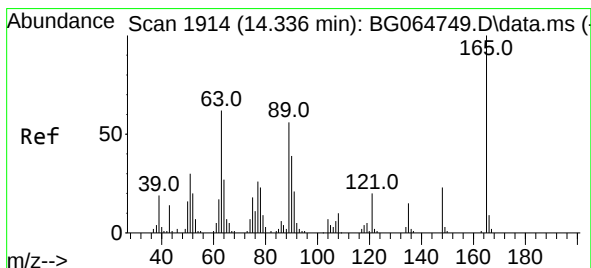
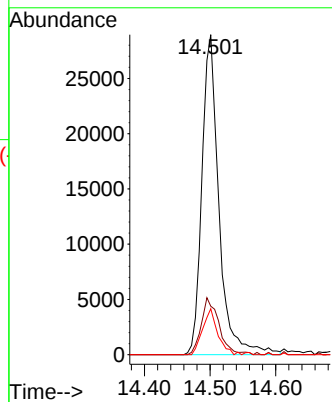
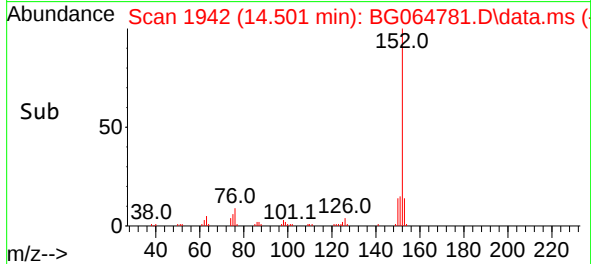


#49
Acenaphthylene
Concen: 4.348 ng
RT: 14.501 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

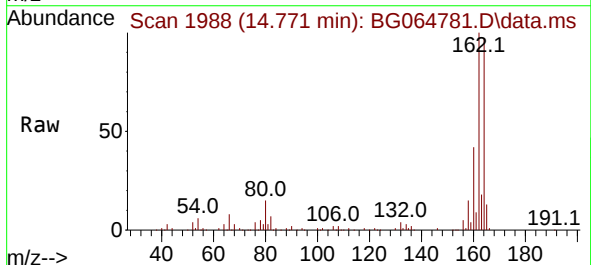
Instrument :
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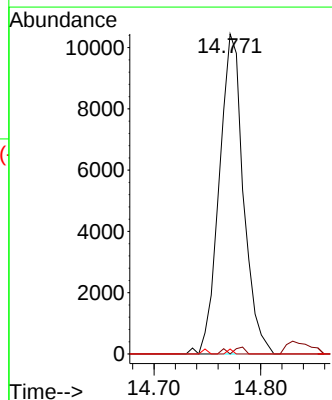
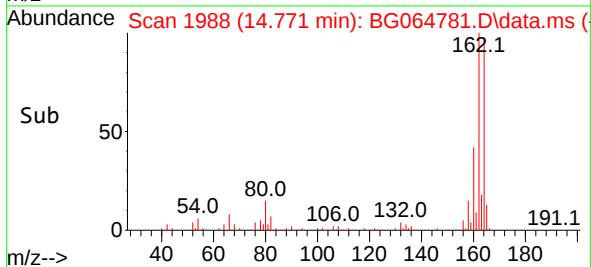
Tgt Ion:152 Resp: 52390
Ion Ratio Lower Upper
152 100
151 15.2 15.0 22.4
153 14.3 9.9 14.9

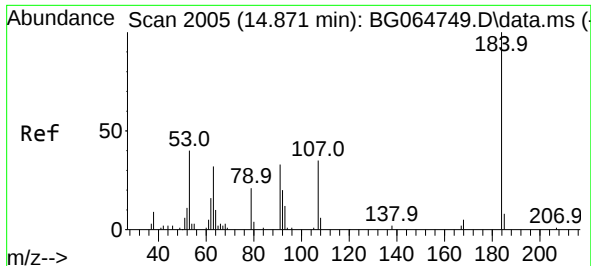


#51
2,6-Dinitrotoluene
Concen: 8.663 ng
RT: 14.771 min Scan# 1988
Delta R.T. 0.435 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



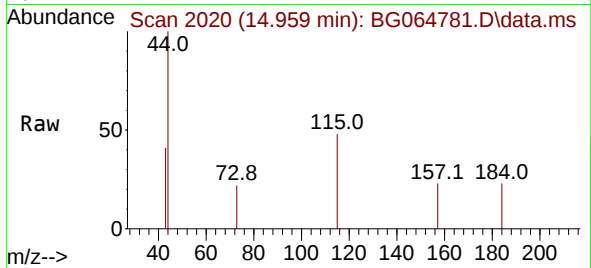
Tgt Ion:165 Resp: 16412
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 1.6 45.0 67.4#



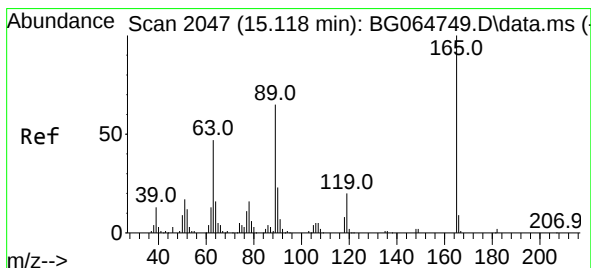
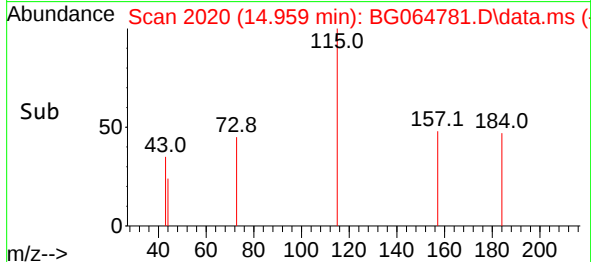
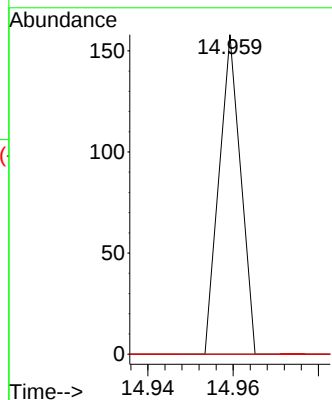


#54
2,4-Dinitrophenol
Concen: 8.622 ng
RT: 14.959 min Scan# 20
Delta R.T. 0.088 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Instrument :
BNA_G
ClientSampleId :

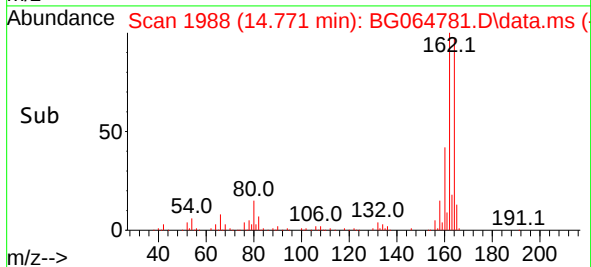
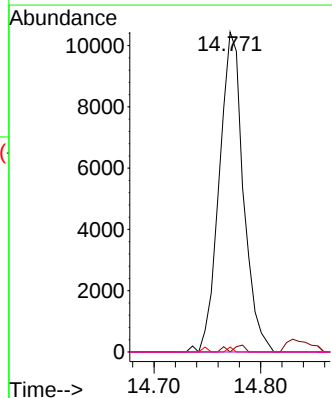
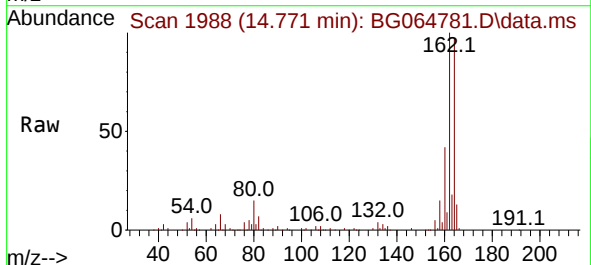


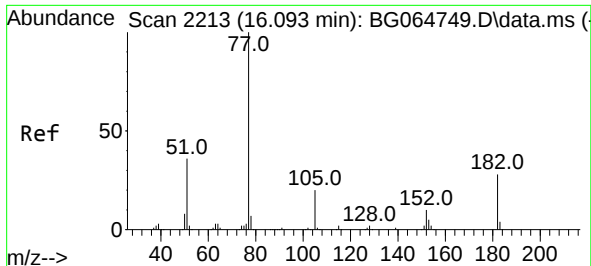
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184 100
63 0.0 45.8 68.6#
154 0.0 52.6 78.8#



#57
2,4-Dinitrotoluene
Concen: 5.779 ng
RT: 14.771 min Scan# 1988
Delta R.T. -0.347 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

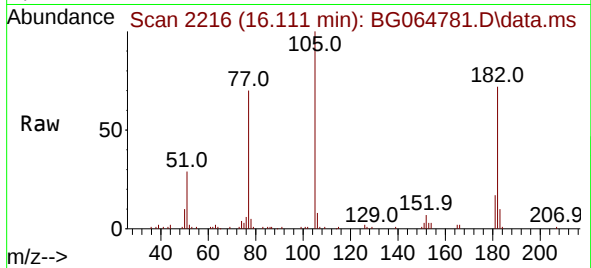
Tgt Ion:165 Resp: 16412
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 1.6 51.6 77.4#
182 0.0 2.0 3.0#



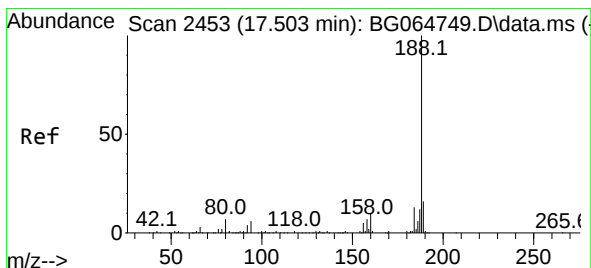
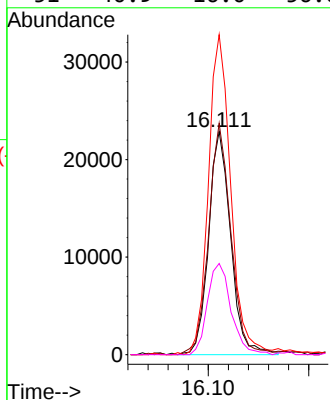
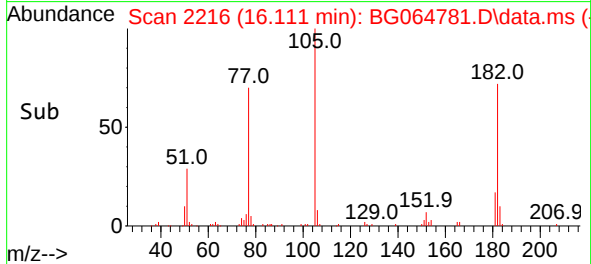


#63
Azobenzene
Concen: 4.452 ng
RT: 16.111 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

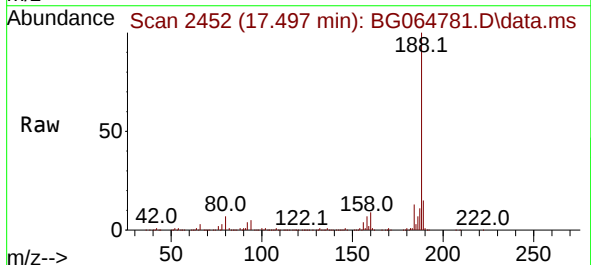
Instrument :
BNA_G
ClientSampleId :



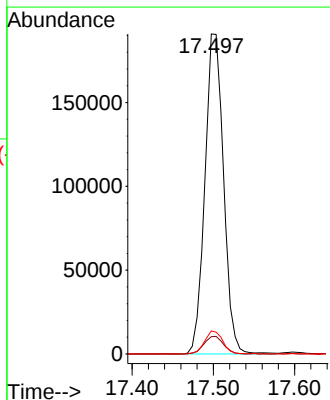
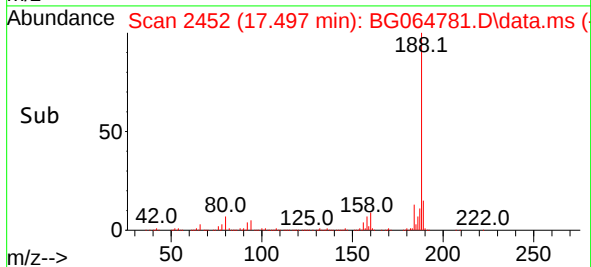
Tgt Ion: 77 Resp: 34926
Ion Ratio Lower Upper
77 100
182 103.7 8.1 48.1#
105 143.4 0.1 40.1#
51 40.9 16.0 56.0

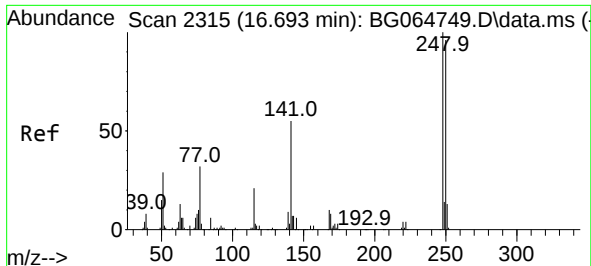


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



Tgt Ion: 188 Resp: 304356
Ion Ratio Lower Upper
188 100
94 5.4 4.7 7.1
80 7.2 5.4 8.2





#67

4-Bromophenyl-phenylether

Concen: 2.668 ng

RT: 16.246 min Scan# 21

Delta R.T. -0.447 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

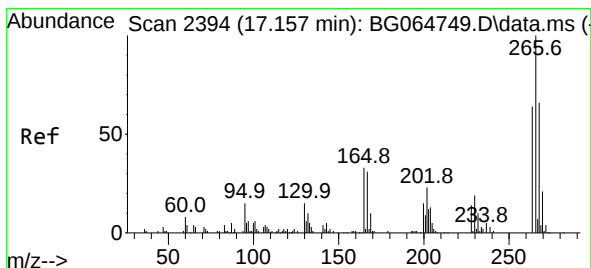
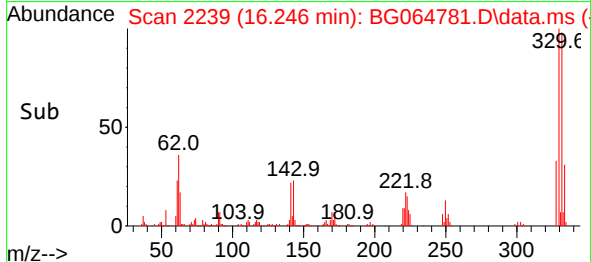
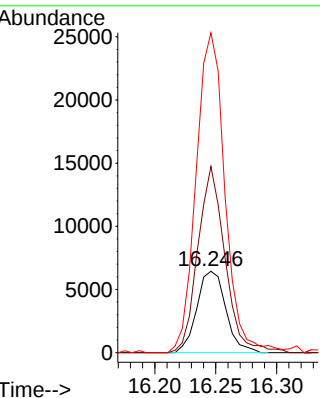
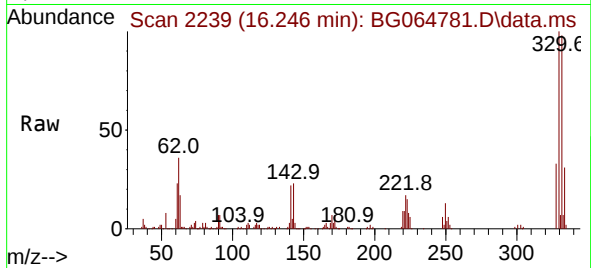
Tgt Ion:248 Resp: 10664

Ion Ratio Lower Upper

248 100

250 304.4 77.0 115.6#

141 393.0 43.7 65.5#



#70

Pentachlorophenol

Concen: 6.802 ng

RT: 17.151 min Scan# 2393

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

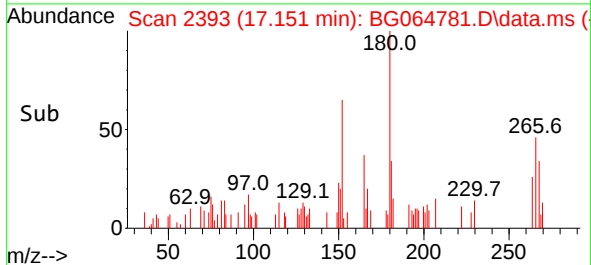
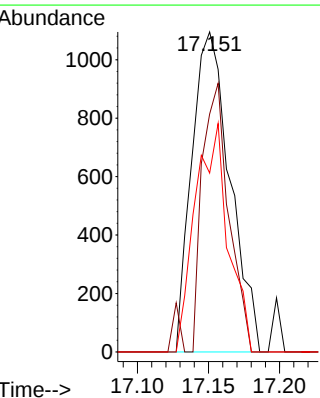
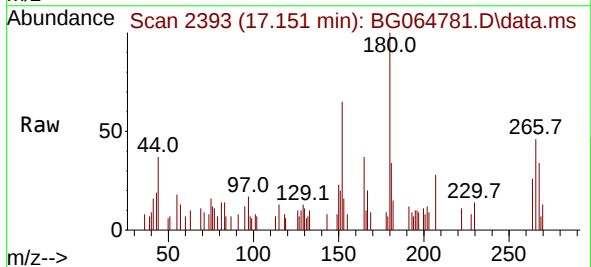
Tgt Ion:266 Resp: 2046

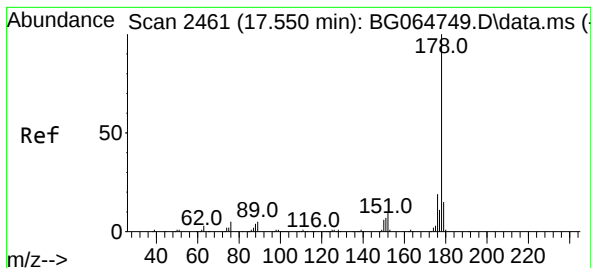
Ion Ratio Lower Upper

266 100

268 88.8 56.1 84.1#

264 55.9 51.2 76.8





#71

Phenanthrene

Concen: 7.651 ng

RT: 17.544 min Scan# 2460

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

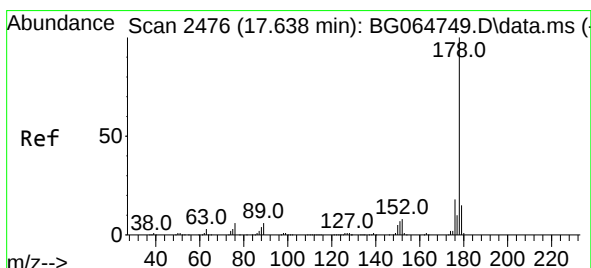
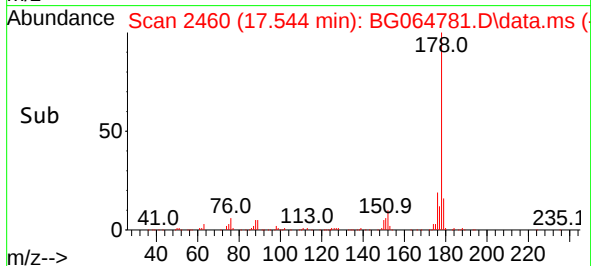
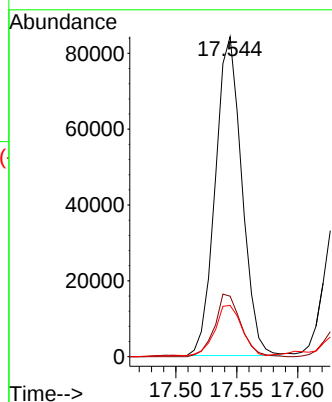
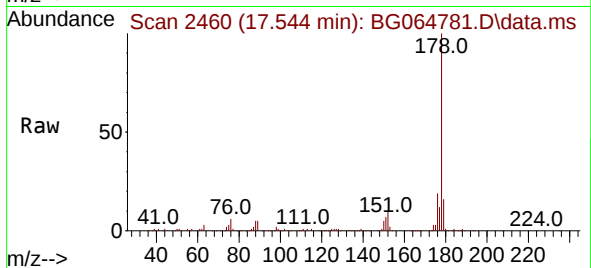
Tgt Ion:178 Resp: 127409

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 16.0 12.2 18.4



#72

Anthracene

Concen: 3.943 ng

RT: 17.633 min Scan# 2475

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

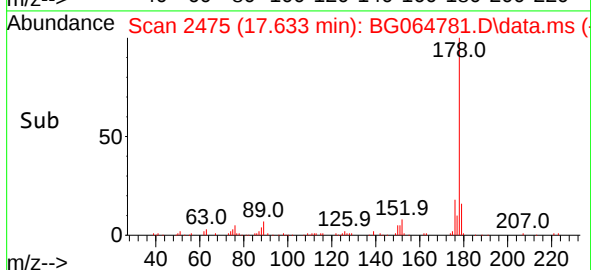
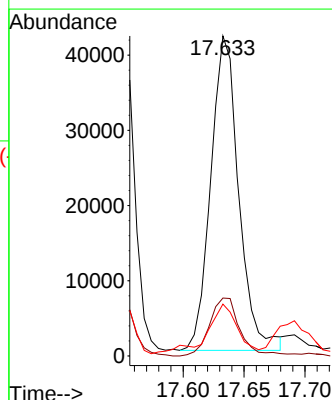
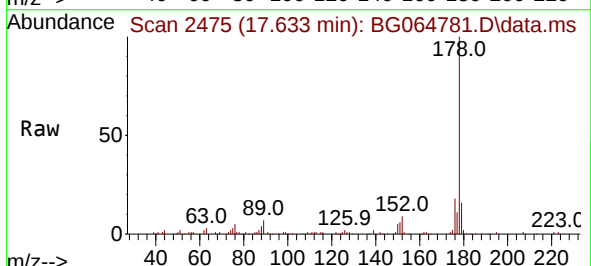
Tgt Ion:178 Resp: 66958

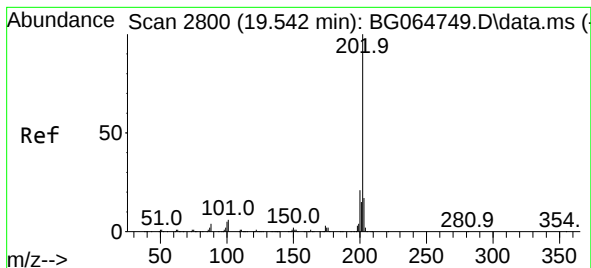
Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

179 16.2 12.2 18.4





#75

Fluoranthene

Concen: 24.525 ng

RT: 19.536 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

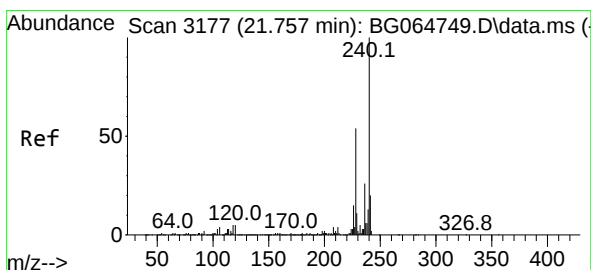
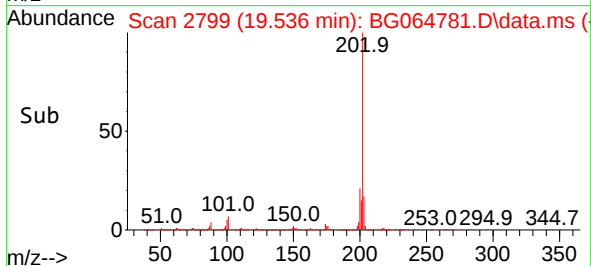
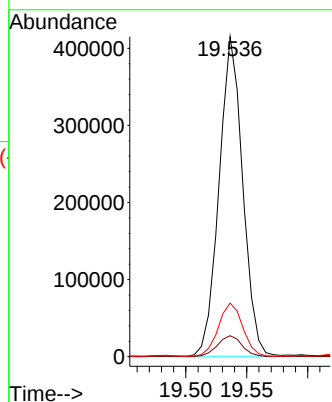
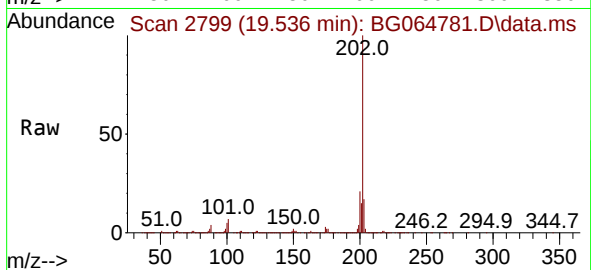
Tgt Ion:202 Resp: 558454

Ion Ratio Lower Upper

202 100

101 6.6 0.0 26.4

203 16.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.751 min Scan# 3176

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

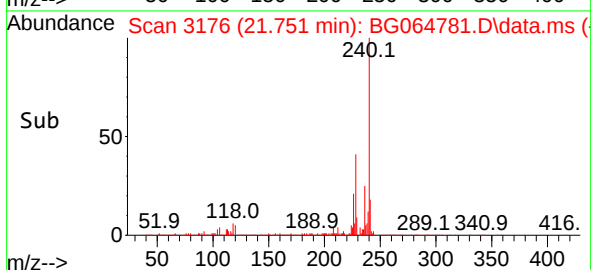
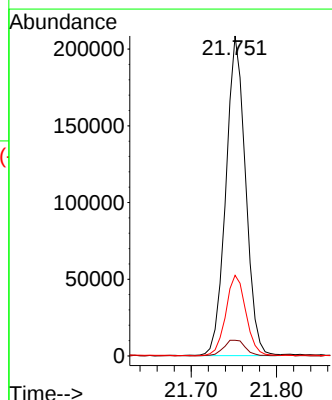
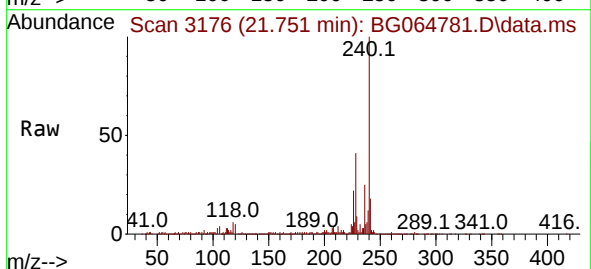
Tgt Ion:240 Resp: 333502

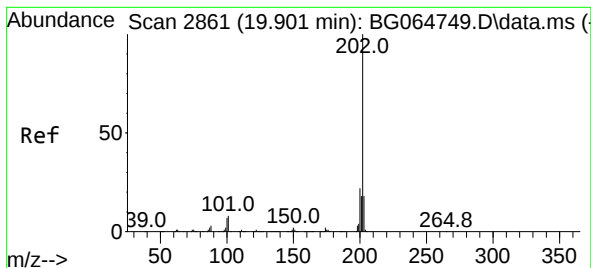
Ion Ratio Lower Upper

240 100

120 4.9 4.2 6.4

236 25.2 20.8 31.2





#78

Pyrene

Concen: 33.213 ng

RT: 19.901 min Scan# 2861

Delta R.T. -0.000 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

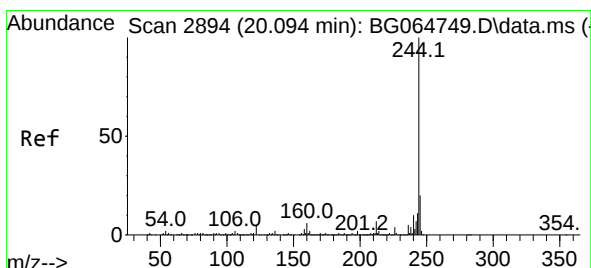
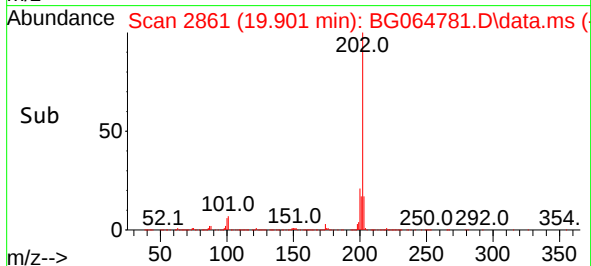
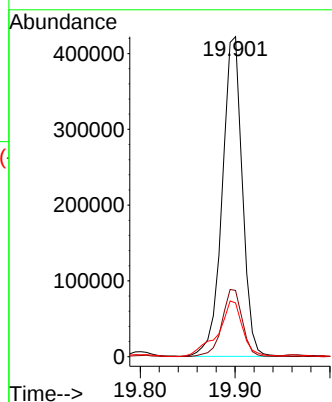
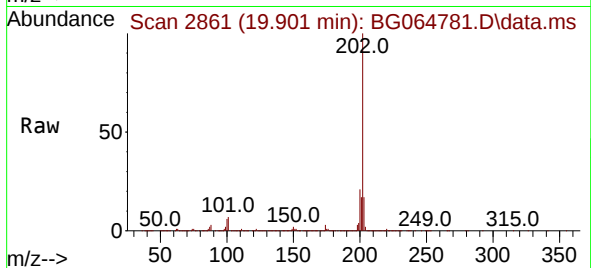
Tgt Ion:202 Resp: 620796

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

203 16.8 14.0 21.0



#79

Terphenyl-d14

Concen: 54.349 ng

RT: 20.089 min Scan# 2893

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

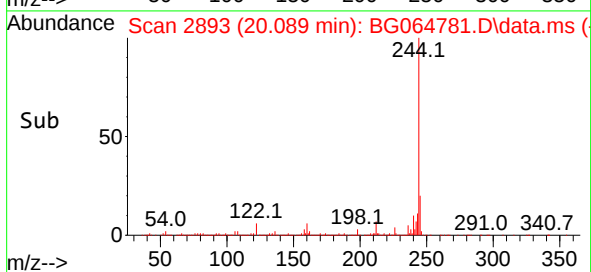
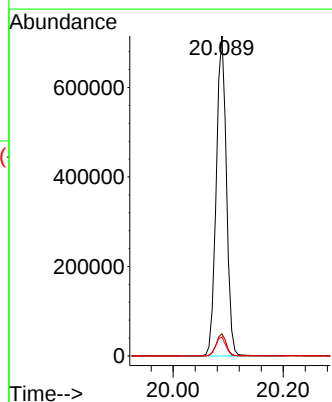
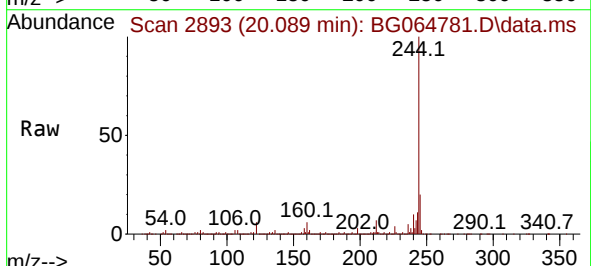
Tgt Ion:244 Resp: 921444

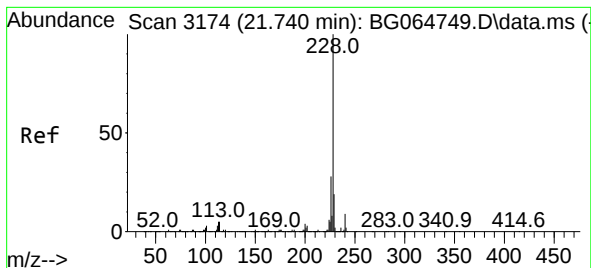
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 6.0 4.3 6.5





#81

Benzo(a)anthracene

Concen: 22.635 ng

RT: 21.734 min Scan# 3173

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

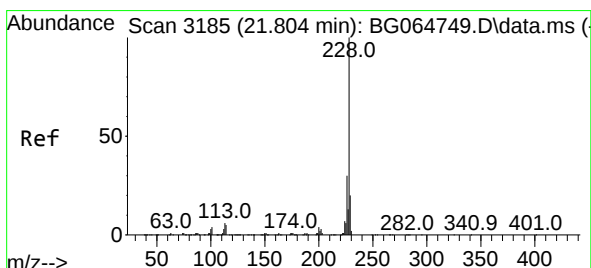
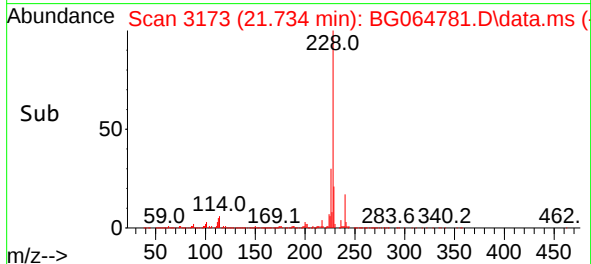
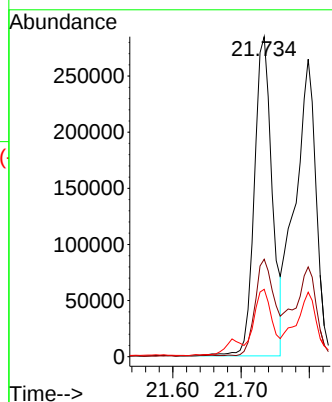
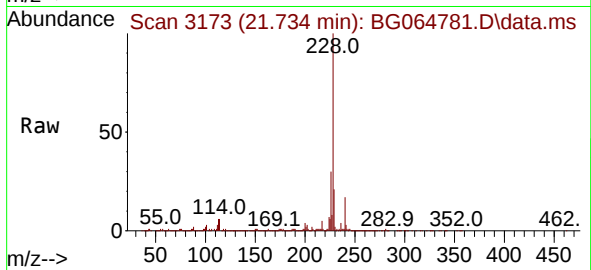
Tgt Ion:228 Resp: 513288

Ion Ratio Lower Upper

228 100

226 30.5 22.1 33.1

229 21.0 15.5 23.3



#83

Chrysene

Concen: 26.589 ng

RT: 21.798 min Scan# 3184

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

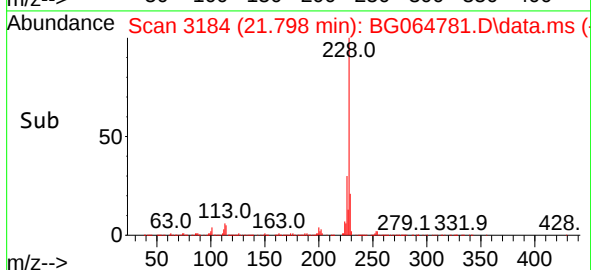
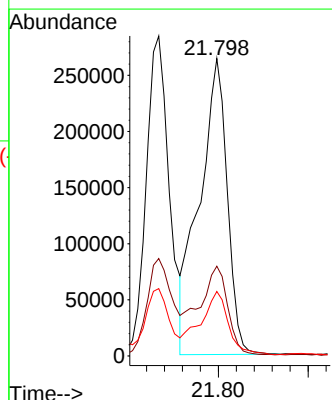
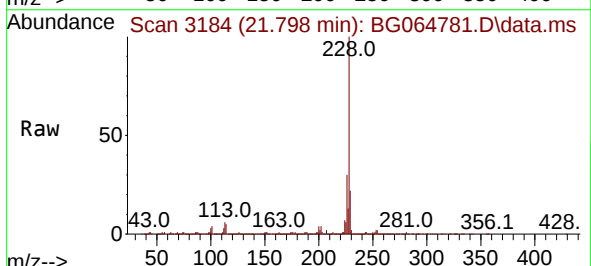
Tgt Ion:228 Resp: 568448

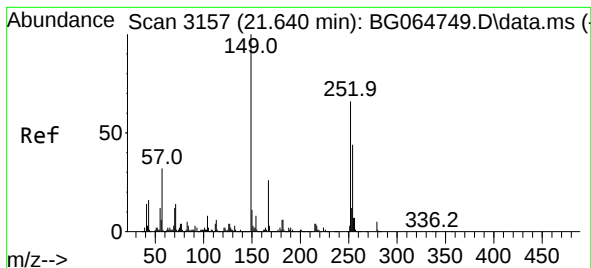
Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 21.7 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.203 ng

RT: 21.634 min Scan# 3156

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

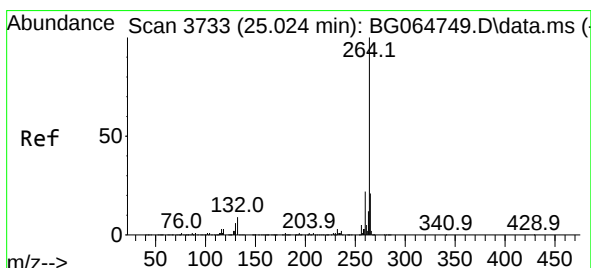
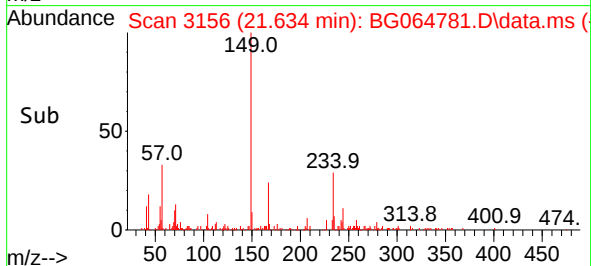
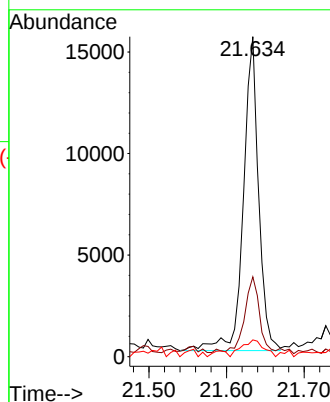
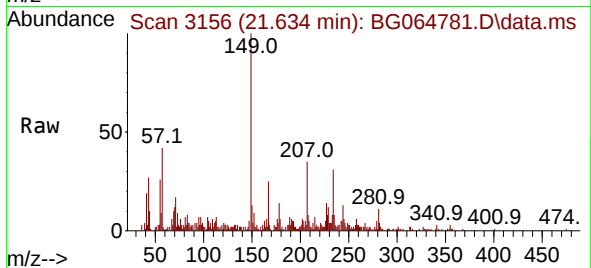
Tgt Ion:149 Resp: 21167

Ion Ratio Lower Upper

149 100

167 25.0 21.0 31.4

279 5.3 4.1 6.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 3732

Delta R.T. -0.006 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

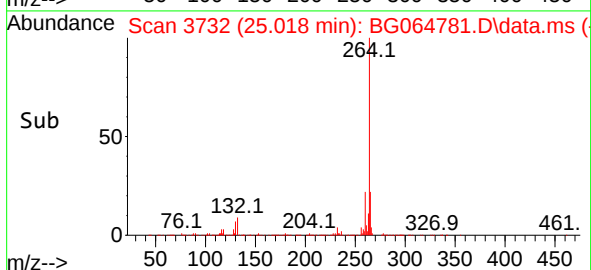
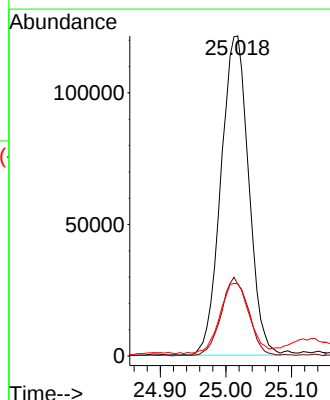
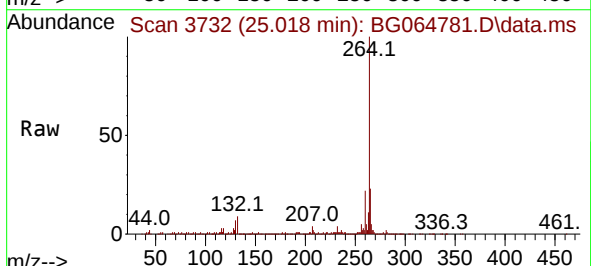
Tgt Ion:264 Resp: 356161

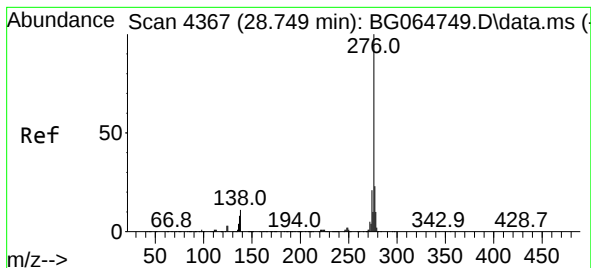
Ion Ratio Lower Upper

264 100

260 22.4 17.2 25.8

265 22.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.746 ng

RT: 28.737 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

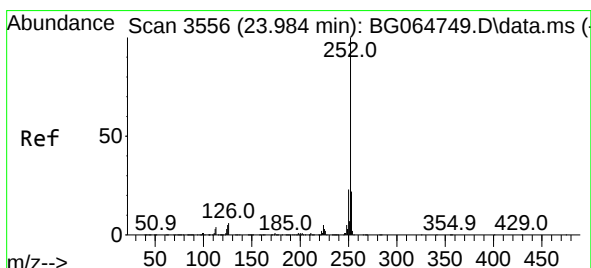
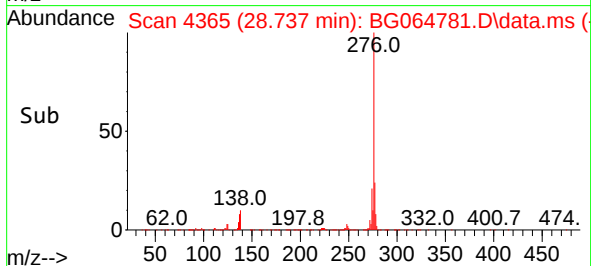
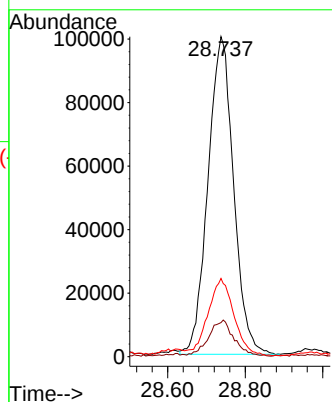
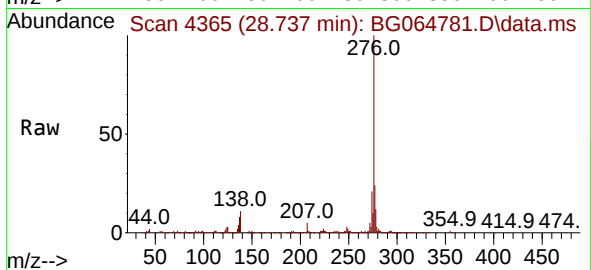
Tgt Ion:276 Resp: 458695

Ion Ratio Lower Upper

276 100

138 11.3 4.5 6.7#

277 24.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 45.609 ng

RT: 23.984 min Scan# 3556

Delta R.T. -0.000 min

Lab File: BG064781.D

Acq: 14 Nov 2025 16:00

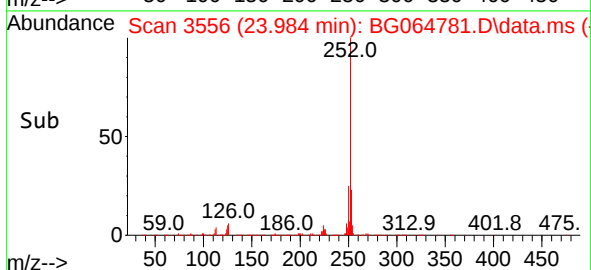
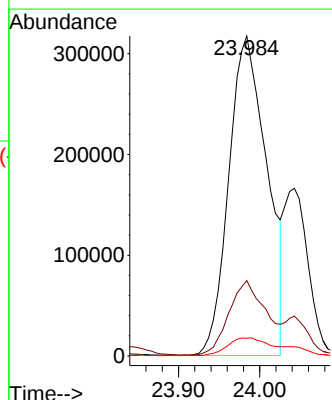
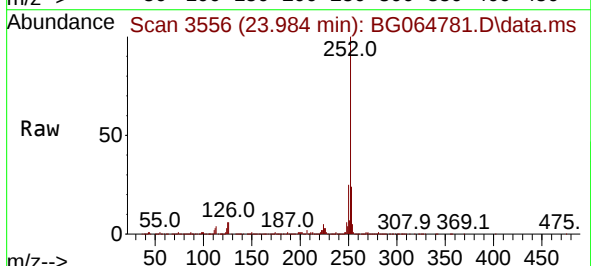
Tgt Ion:252 Resp: 1033743

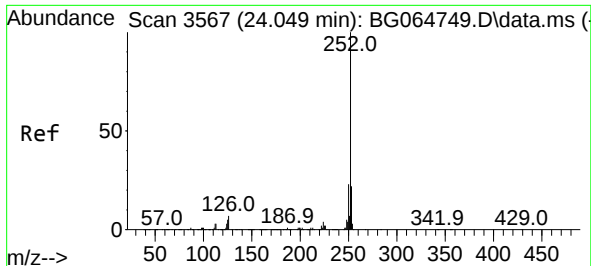
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 5.5 4.2 6.2

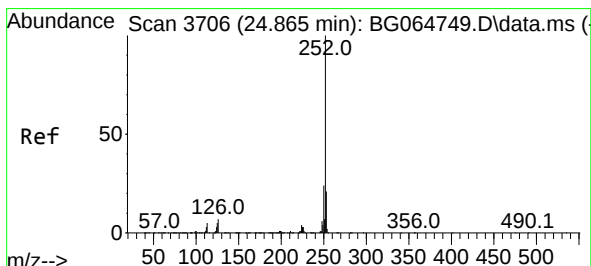
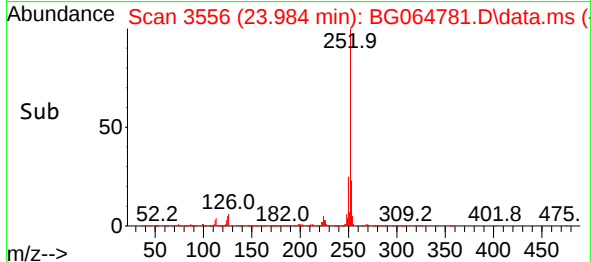
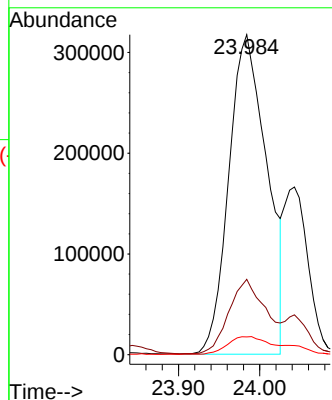
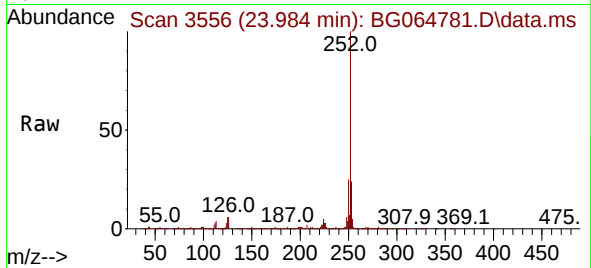




#89
Benzo(k)fluoranthene
Concen: 45.397 ng
RT: 23.984 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

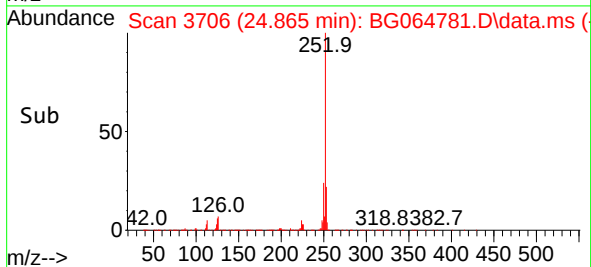
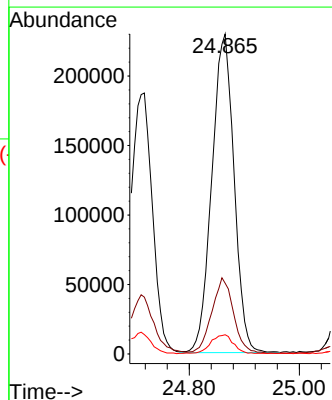
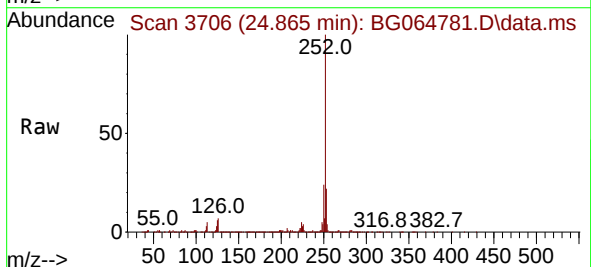
Instrument :
BNA_G
ClientSampleId :

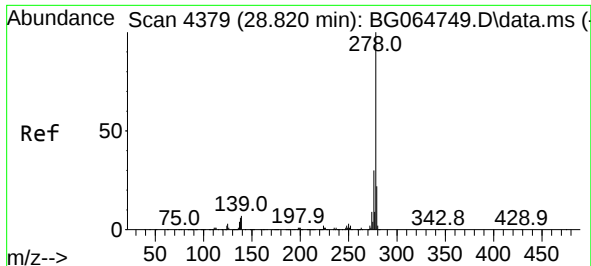
Tgt Ion:252 Resp: 1033743
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 5.5 4.1 6.1



#90
Benzo(a)pyrene
Concen: 30.578 ng
RT: 24.865 min Scan# 3706
Delta R.T. -0.000 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Tgt Ion:252 Resp: 642906
Ion Ratio Lower Upper
252 100
253 22.1 16.9 25.3
125 6.0 4.2 6.4

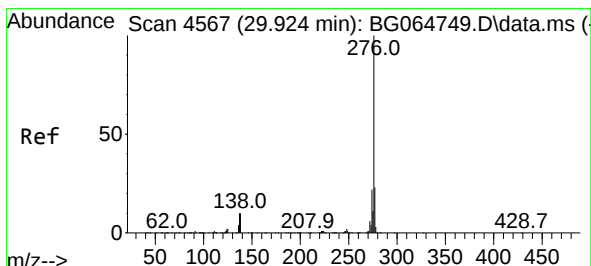
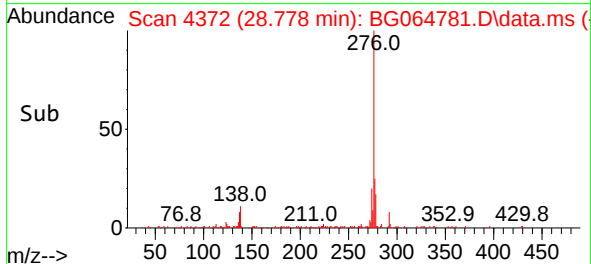
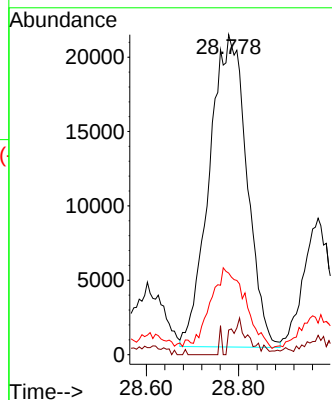
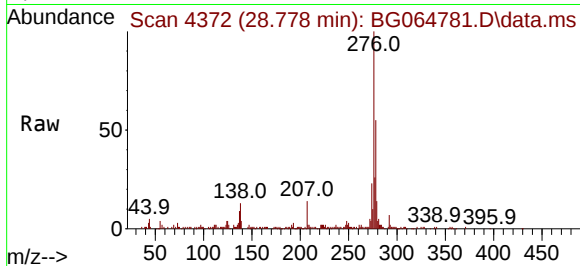




#91
 Dibenzo(a,h)anthracene
 Concen: 5.936 ng
 RT: 28.778 min Scan# 41
 Delta R.T. -0.041 min
 Lab File: BG064781.D
 Acq: 14 Nov 2025 16:00

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:278 Resp: 118984
 Ion Ratio Lower Upper
 278 100
 139 7.7 5.8 8.8
 279 25.5 17.3 25.9



#92
 Benzo(g,h,i)perylene
 Concen: 22.540 ng
 RT: 29.895 min Scan# 4562
 Delta R.T. -0.029 min
 Lab File: BG064781.D
 Acq: 14 Nov 2025 16:00

Tgt Ion:276 Resp: 434838
 Ion Ratio Lower Upper
 276 100
 277 22.4 18.0 27.0
 138 10.8 8.2 12.2

