

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
 Data File : BG064707.D
 Acq On : 6 Nov 2025 17:50
 Operator : RC/JU
 Sample : Q3537-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Quant Time: Nov 07 00:32:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

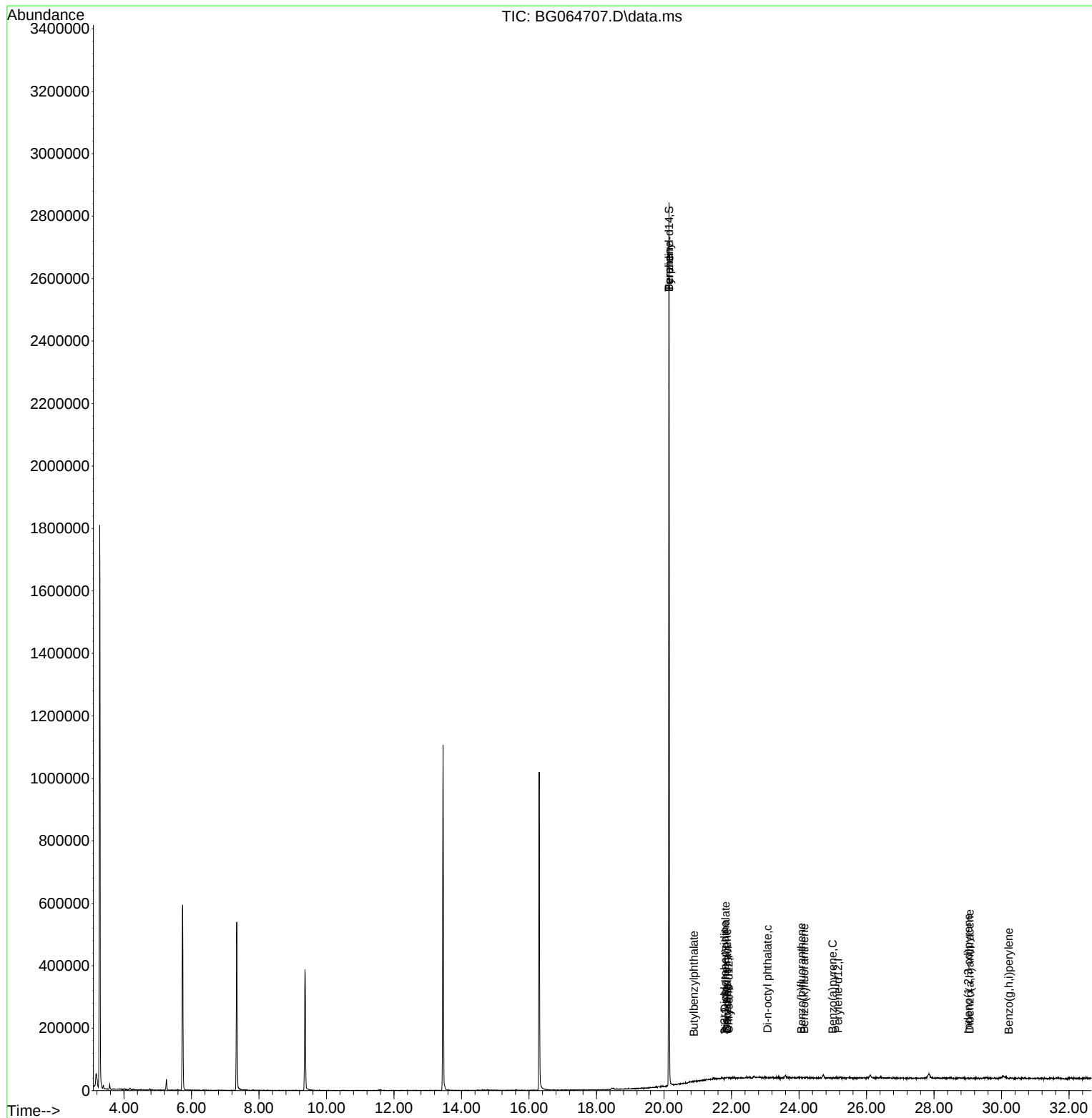
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-8.22
21) Naphthalene-d8	0.000	136	0	0.000	ng	-11.05
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-14.84
64) Phenanthrene-d10	0.000	188	0	0.000	ng	-17.58
76) Chrysene-d12	21.912	240	65	20.000	ng	# 0.05
86) Perylene-d12	25.155	264	72	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.737	112	242112	0.000	ng	-0.01
7) Phenol-d6	7.341	99	293231	0.000	ng	-0.01
23) Nitrobenzene-d5	9.362	82	228197	0.000	ng	-0.02
42) 2,4,6-Tribromophenol	16.301	330	255121	0.000	ng	-0.02
45) 2-Fluorobiphenyl	13.451	172	610759	0.000	ng	-0.02
79) Terphenyl-d14	20.149	244	1570238	455892.422	ng	-0.02
Target Compounds						
						Qvalue
77) Benzidine	20.149	184	23066	15839.107	ng	# 92
78) Pyrene	20.149	202	5492	1293.220	ng	# 64
80) Butylbenzylphthalate	20.884	149	285	222.045	ng	# 22
81) Benzo(a)anthracene	21.865	228	419	97.219	ng	# 51
82) 3,3'-Dichlorobenzidine	21.795	252	56	38.910	ng	# 25
83) Chrysene	21.865	228	419	102.173	ng	# 50
84) Bis(2-ethylhexyl)phtha...	21.824	149	595	310.235	ng	# 55
85) Di-n-octyl phthalate	23.070	149	237	73.294	ng	# 70
87) Indeno(1,2,3-cd)pyrene	29.015	276	252	47.578	ng	# 56
88) Benzo(b)fluoranthene	24.074	252	1225	277.461	ng	# 69
89) Benzo(k)fluoranthene	24.156	252	617	139.654	ng	# 1
90) Benzo(a)pyrene	24.997	252	898	221.272	ng	# 62
91) Dibenzo(a,h)anthracene	29.057	278	325	75.528	ng	# 57
92) Benzo(g,h,i)perylene	30.214	276	125	30.409	ng	# 57

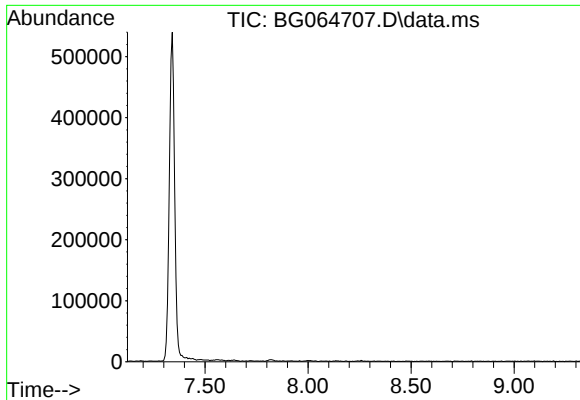
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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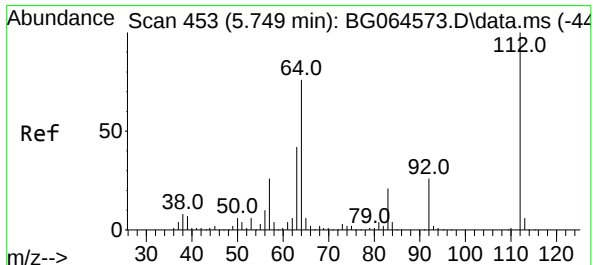
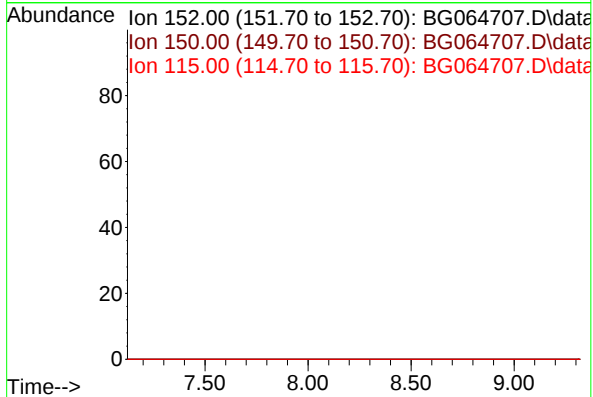


#1
1,4-Dichlorobenzene-d4
Concen: 0.000 ng
Expected RT: 8.22 min

Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

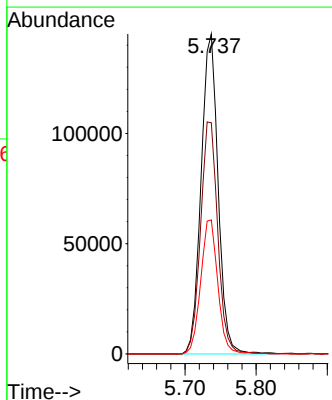
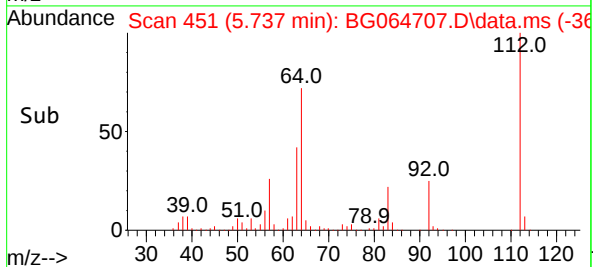
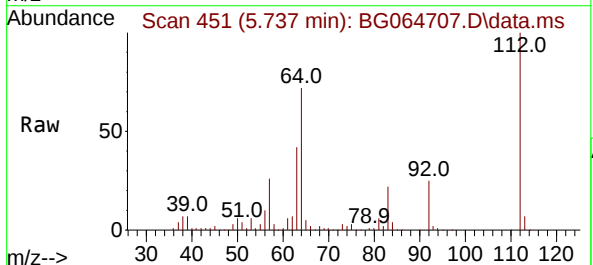
Instrument :
BNA_G
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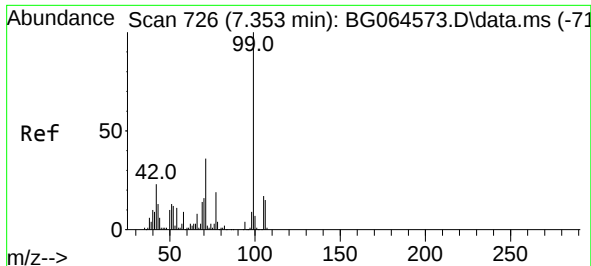
Tgt Ion: 152
Sig Exp Ratio
152 100
150 152.8
115 63.5



#5
2-Fluorophenol
Concen: 0.000 ng
RT: 5.737 min Scan# 451
Delta R.T. -0.012 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion: 112 Resp: 242112
Ion Ratio Lower Upper
112 100
64 72.2 60.7 91.1
63 41.9 33.4 50.0





#7
Phenol-d6
Concen: 0.000 ng
RT: 7.341 min Scan# 71
Delta R.T. -0.012 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

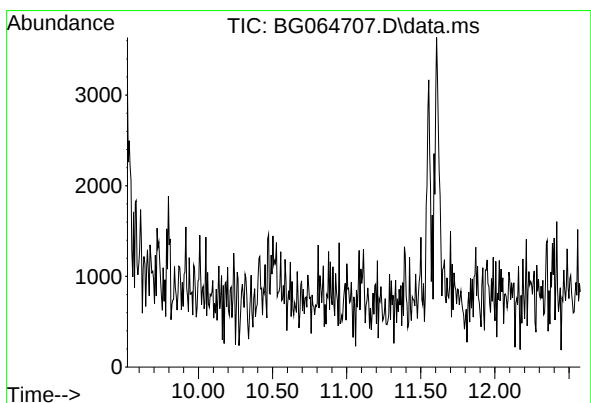
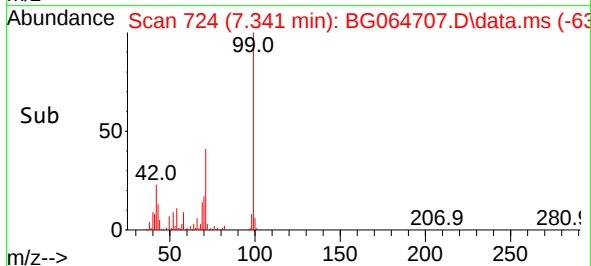
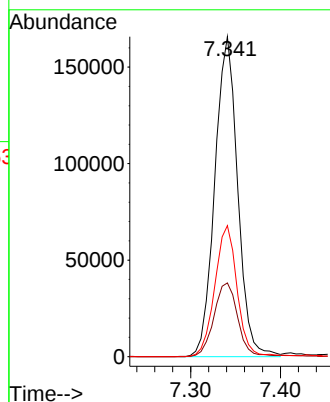
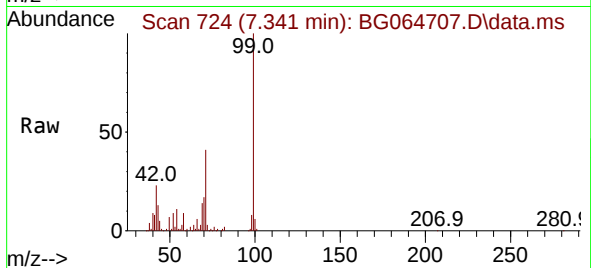
Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

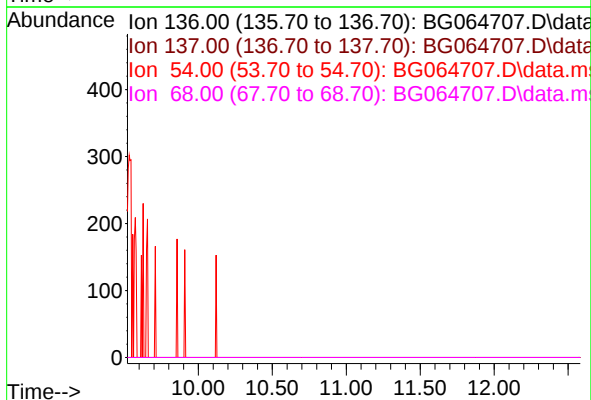
Tgt Ion: 99 Resp: 293231
Ion Ratio Lower Upper
99 100
42 23.0 18.3 27.5
71 41.0 28.6 43.0

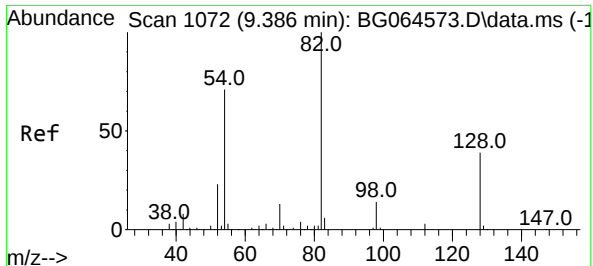


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 11.05 min

Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.5
54 15.8
68 7.1





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 9.362 min Scan# 10

Delta R.T. -0.024 min

Lab File: BG064707.D

Acq: 6 Nov 2025 17:50

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

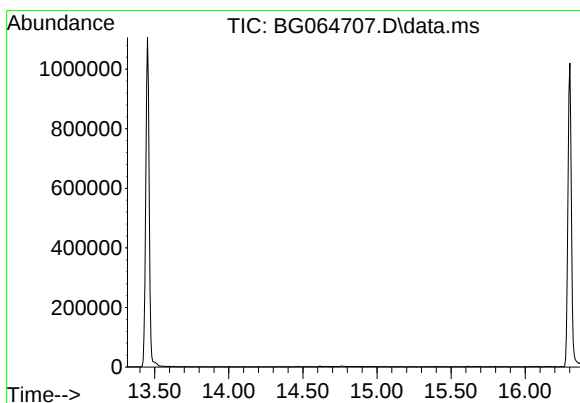
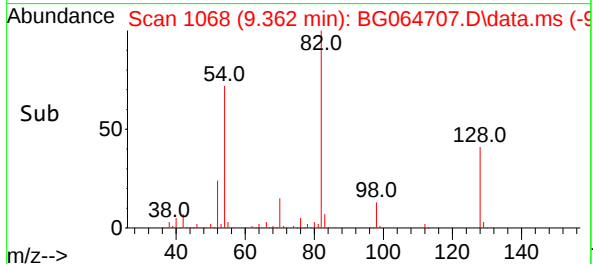
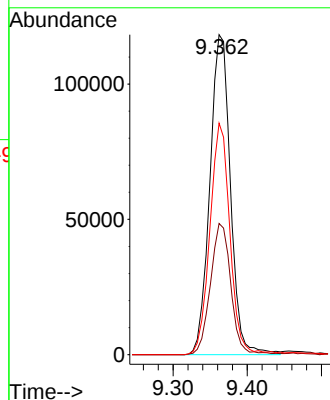
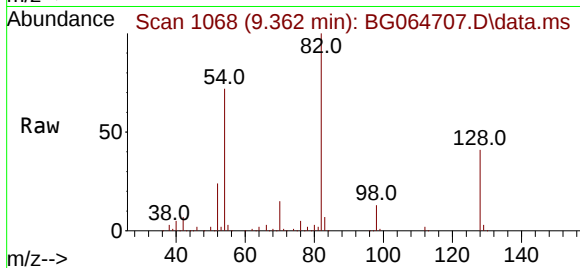
Tgt Ion: 82 Resp: 228197

Ion Ratio Lower Upper

82 100

128 41.0 31.3 46.9

54 72.4 56.6 84.8



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 14.84 min

Lab File: BG064707.D

Acq: 6 Nov 2025 17:50

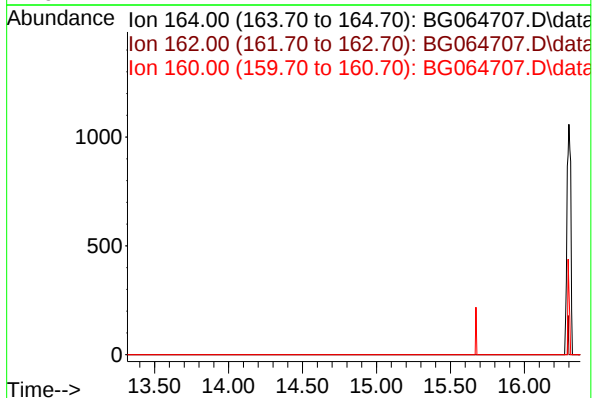
Tgt Ion: 164

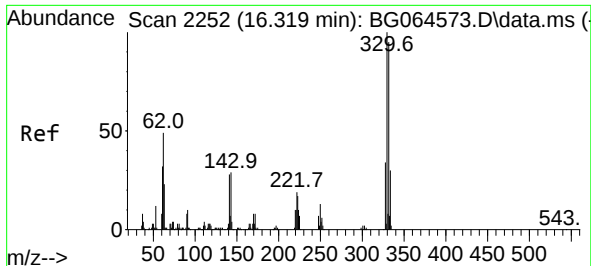
Sig Exp Ratio

164 100

162 96.3

160 43.0

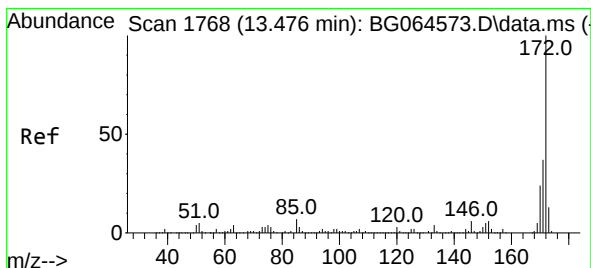
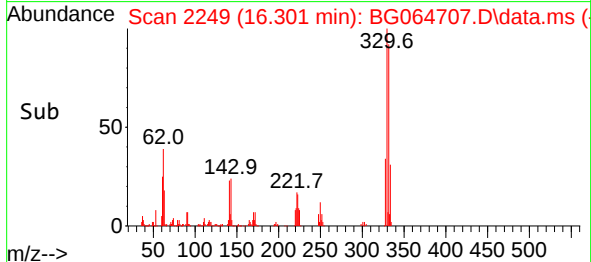
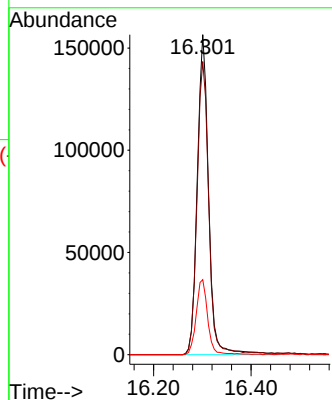
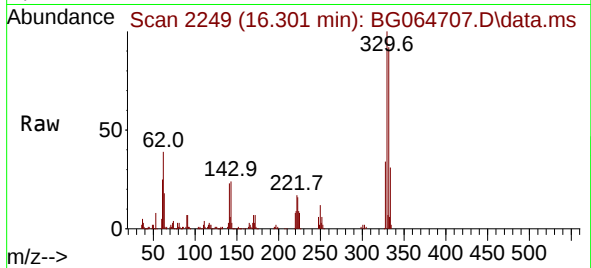




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 16.301 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

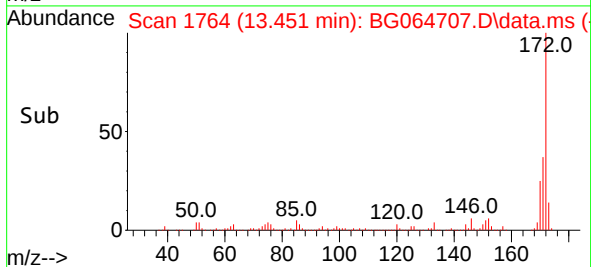
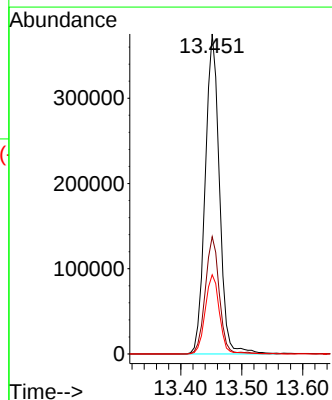
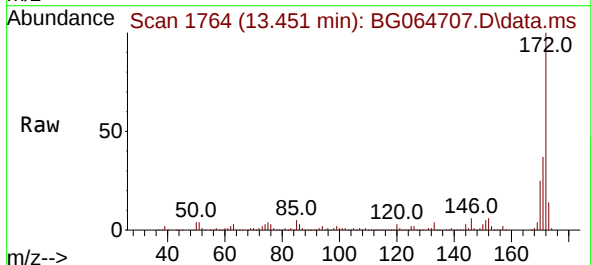
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

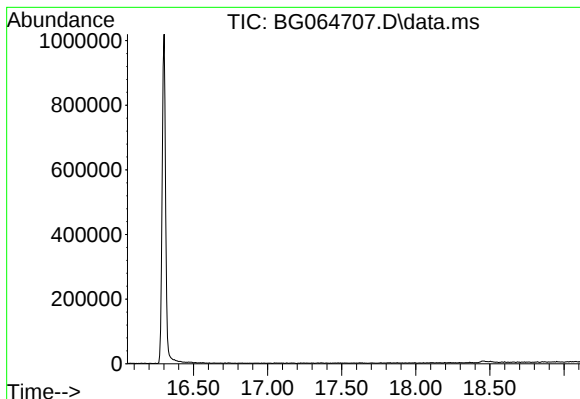
Tgt Ion:330 Resp: 255121
Ion Ratio Lower Upper
330 100
332 94.6 78.0 117.0
141 23.7 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 13.451 min Scan# 1764
Delta R.T. -0.024 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion:172 Resp: 610759
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.7 19.1 28.7



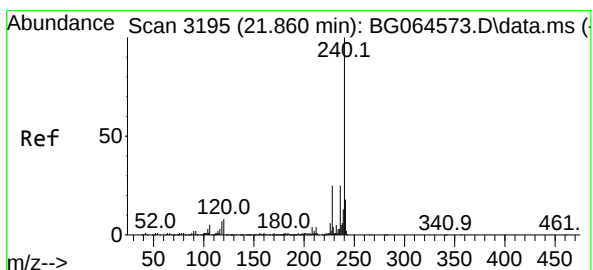
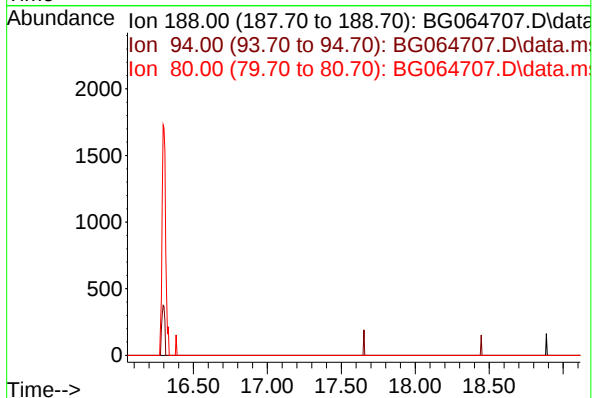


#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.58 min
 Lab File: BG064707.D
 Acq: 6 Nov 2025 17:50

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Tgt Ion: 188

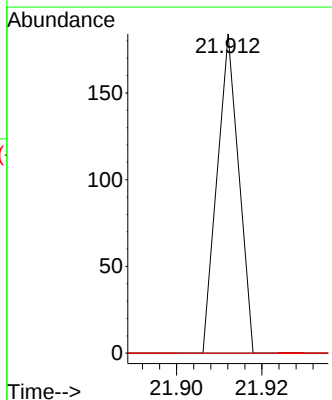
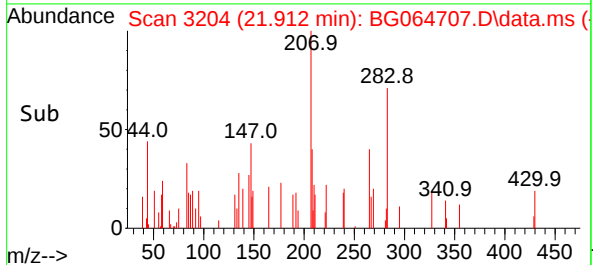
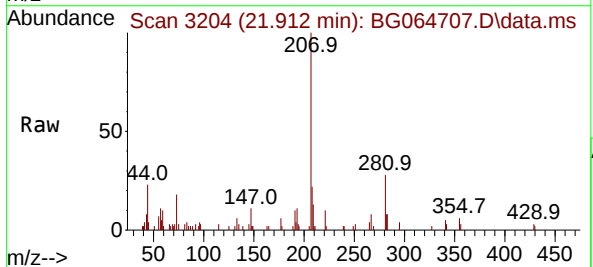
Sig	Exp Ratio
188	100
94	7.1
80	8.5

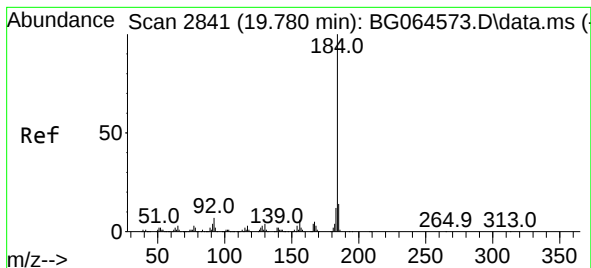


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.912 min Scan# 3204
 Delta R.T. 0.052 min
 Lab File: BG064707.D
 Acq: 6 Nov 2025 17:50

Tgt Ion: 240 Resp: 65

Ion	Ratio	Lower	Upper
240	100		
120	0.0	6.5	9.7#
236	0.0	20.2	30.2#





#77

Benzidine

Concen: 15839.107 ng

RT: 20.149 min Scan# 2904

Delta R.T. 0.370 min

Lab File: BG064707.D

Acq: 6 Nov 2025 17:50

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

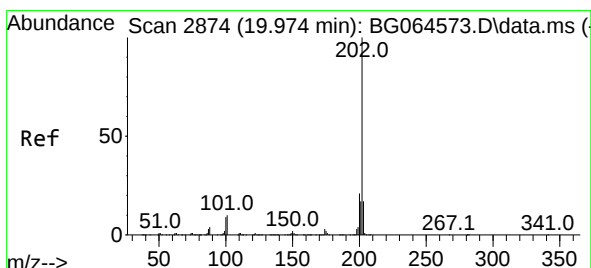
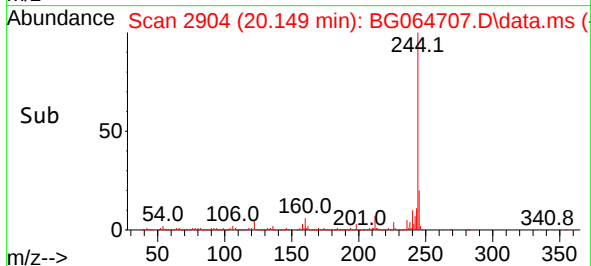
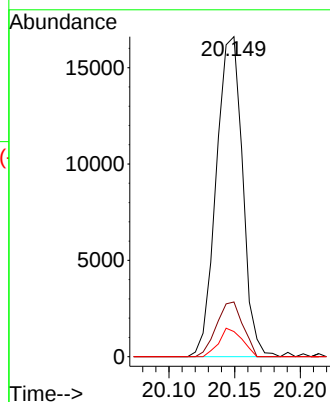
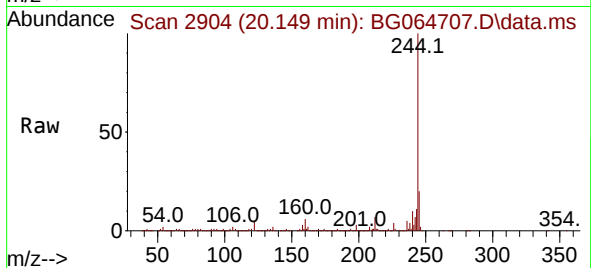
Tgt Ion:184 Resp: 23066

Ion Ratio Lower Upper

184 100

185 17.1 11.4 17.2

183 7.9 9.4 14.2#



#78

Pyrene

Concen: 1293.220 ng

RT: 20.149 min Scan# 2904

Delta R.T. 0.176 min

Lab File: BG064707.D

Acq: 6 Nov 2025 17:50

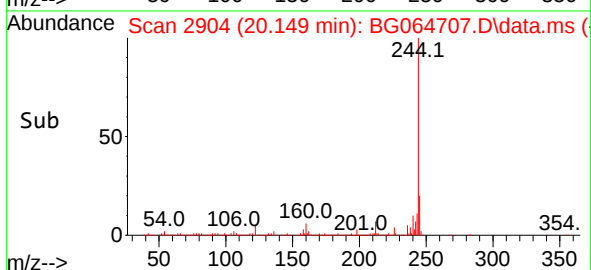
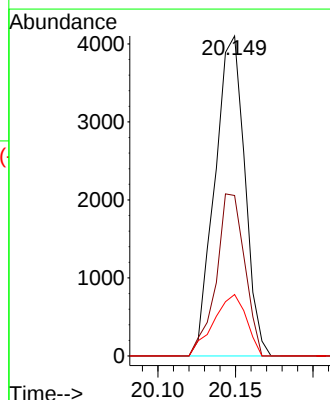
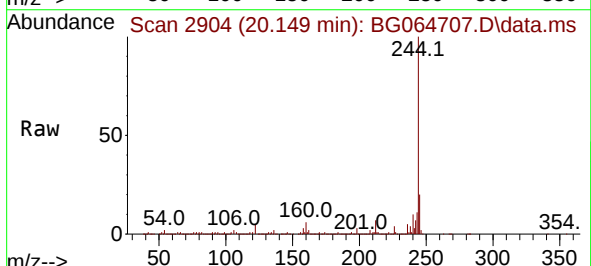
Tgt Ion:202 Resp: 5492

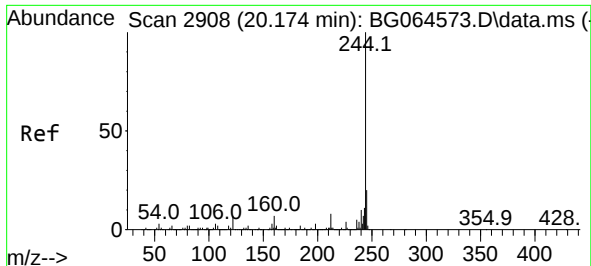
Ion Ratio Lower Upper

202 100

200 50.1 17.0 25.4#

203 19.2 13.8 20.6

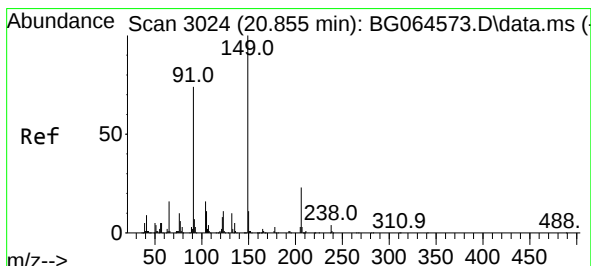
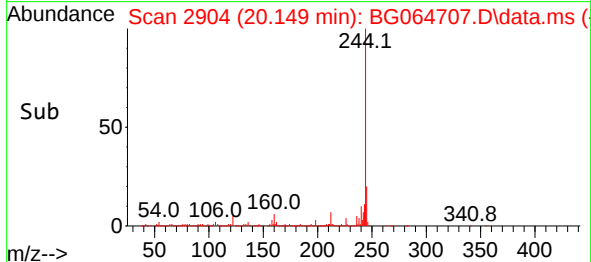
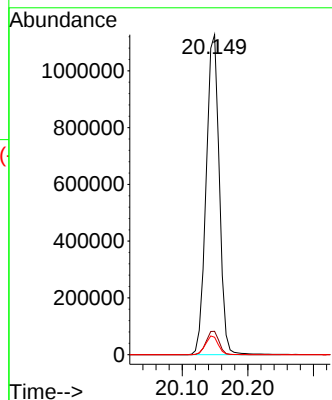
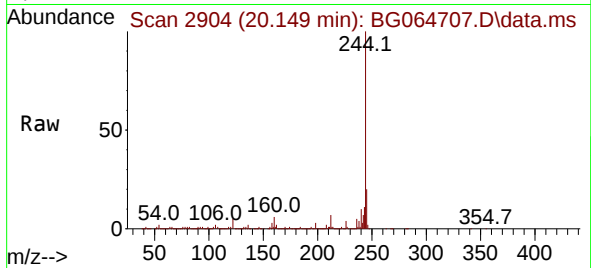




#79
 Terphenyl-d14
 Concen: 455892.422 ng
 RT: 20.149 min Scan# 2904
 Delta R.T. -0.024 min
 Lab File: BG064707.D
 Acq: 6 Nov 2025 17:50

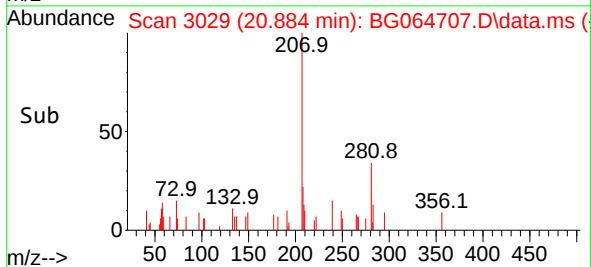
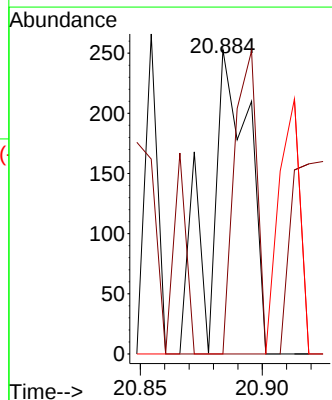
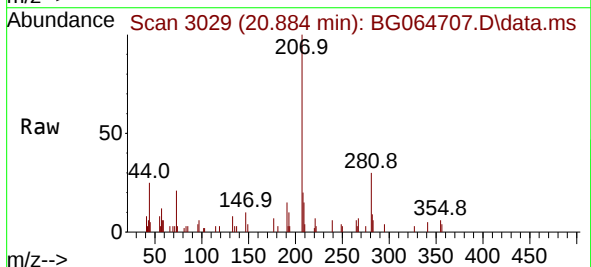
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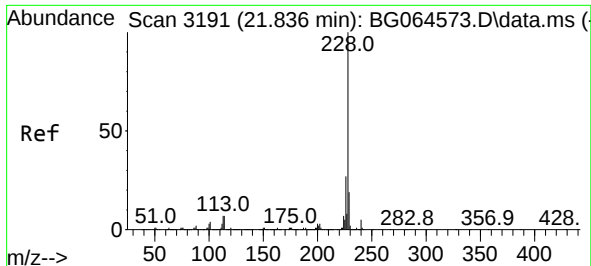
Tgt Ion:244 Resp: 1570238
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 5.4 5.6 8.4#



#80
 Butylbenzylphthalate
 Concen: 222.045 ng
 RT: 20.884 min Scan# 3029
 Delta R.T. 0.029 min
 Lab File: BG064707.D
 Acq: 6 Nov 2025 17:50

Tgt Ion:149 Resp: 285
 Ion Ratio Lower Upper
 149 100
 91 0.0 59.2 88.8#
 206 0.0 18.1 27.1#

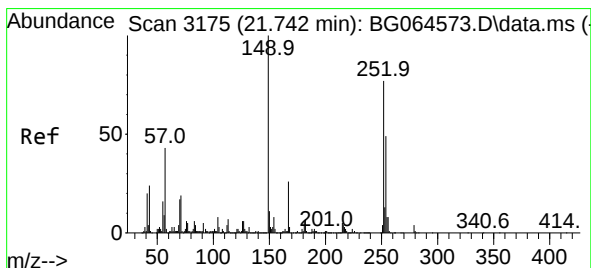
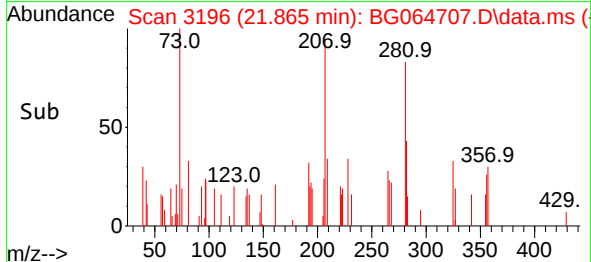
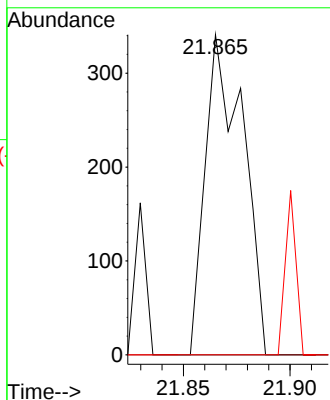
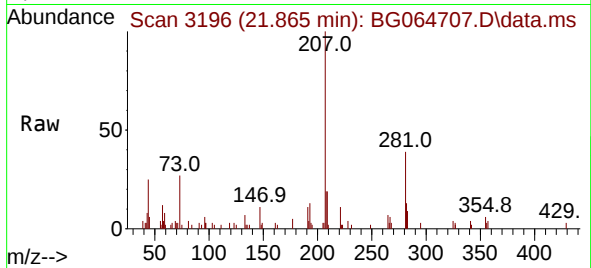




#81
Benzo(a)anthracene
Concen: 97.219 ng
RT: 21.865 min Scan# 3196
Delta R.T. 0.029 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

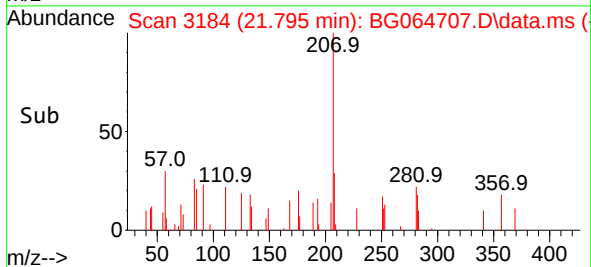
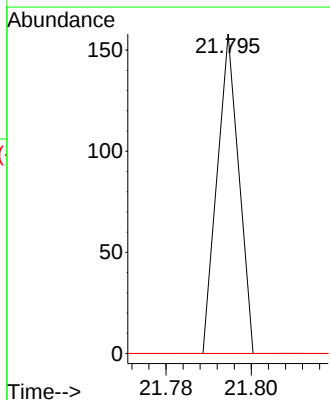
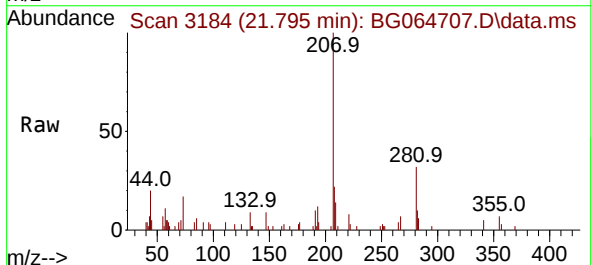
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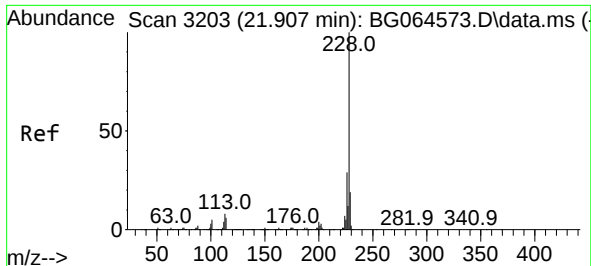
Tgt Ion:228 Resp: 419
Ion Ratio Lower Upper
228 100
226 0.0 21.9 32.9#
229 0.0 15.6 23.4#



#82
3,3'-Dichlorobenzidine
Concen: 38.910 ng
RT: 21.795 min Scan# 3184
Delta R.T. 0.052 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion:252 Resp: 56
Ion Ratio Lower Upper
252 100
254 0.0 50.8 76.2#
126 0.0 5.8 8.6#

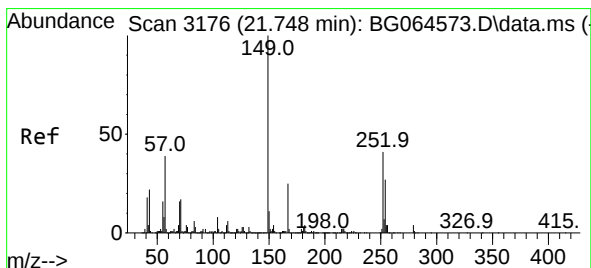
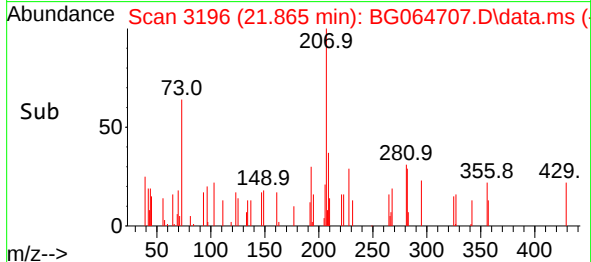
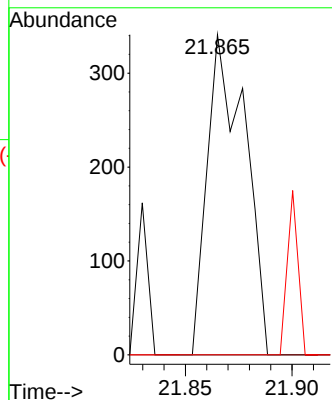
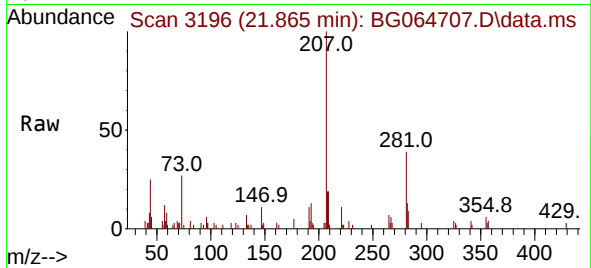




#83
Chrysene
Concen: 102.173 ng
RT: 21.865 min Scan# 3119
Delta R.T. -0.042 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

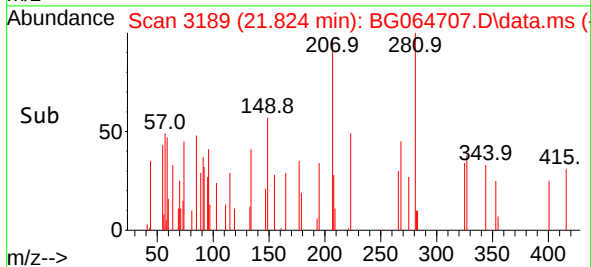
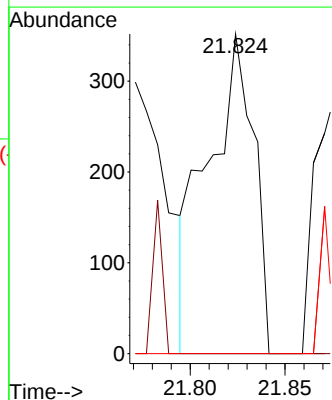
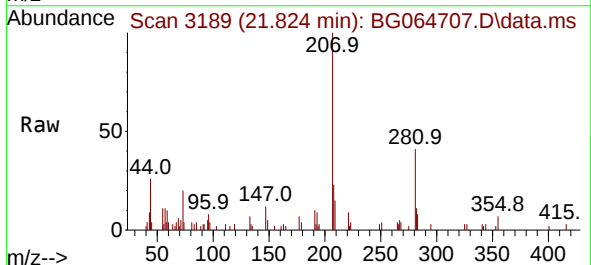
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

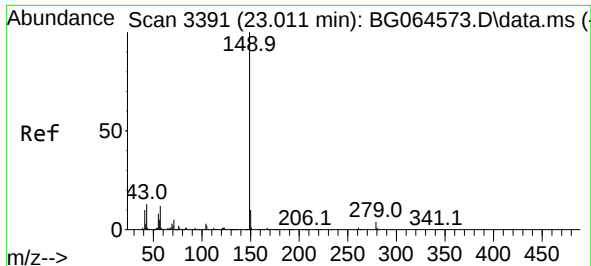
Tgt Ion:228 Resp: 419
Ion Ratio Lower Upper
228 100
226 0.0 23.3 34.9#
229 0.0 15.2 22.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 310.235 ng
RT: 21.824 min Scan# 3189
Delta R.T. 0.076 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion:149 Resp: 595
Ion Ratio Lower Upper
149 100
167 0.0 20.0 30.0#
279 0.0 3.1 4.7#

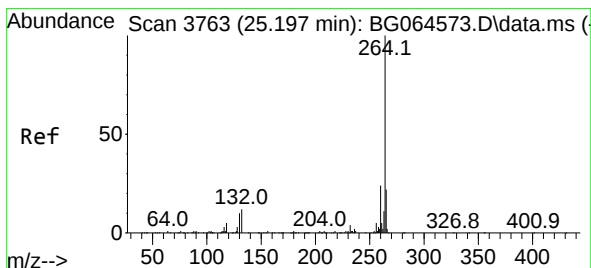
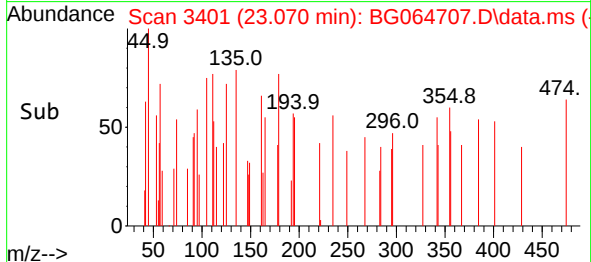
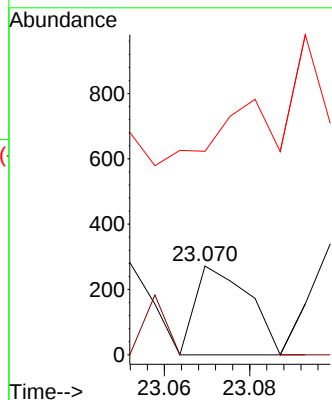
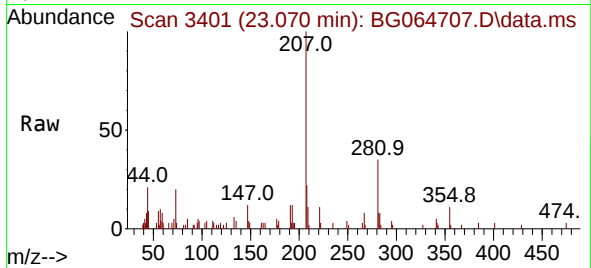




#85
Di-n-octyl phthalate
Concen: 73.294 ng
RT: 23.070 min Scan# 341
Delta R.T. 0.058 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

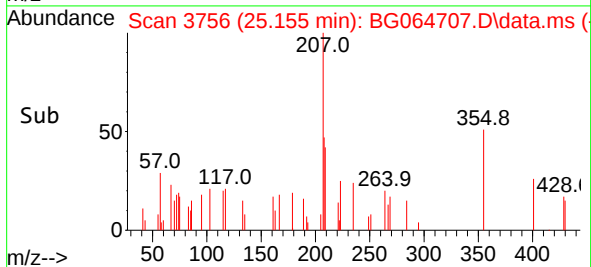
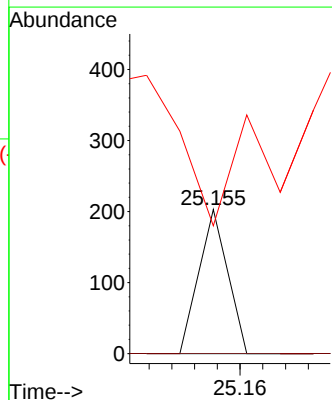
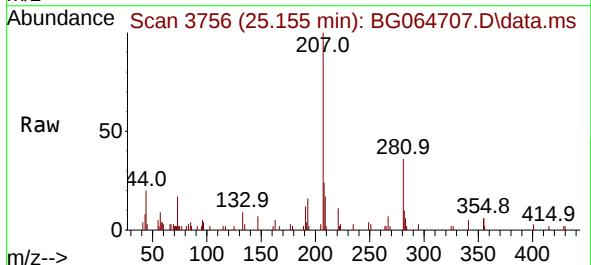
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

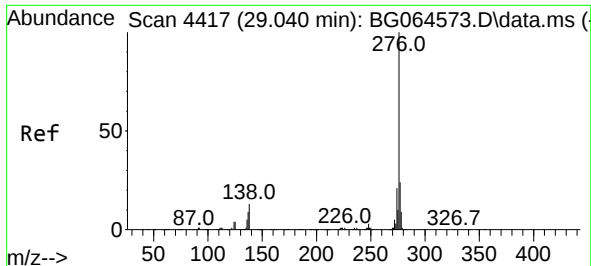
Tgt Ion:149 Resp: 237
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 10.8 16.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.155 min Scan# 3756
Delta R.T. -0.042 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion:264 Resp: 72
Ion Ratio Lower Upper
264 100
260 0.0 19.0 28.4#
265 88.7 17.6 26.4#

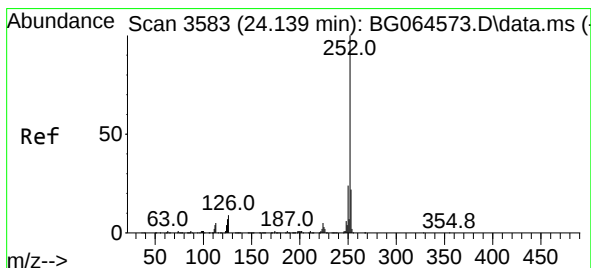
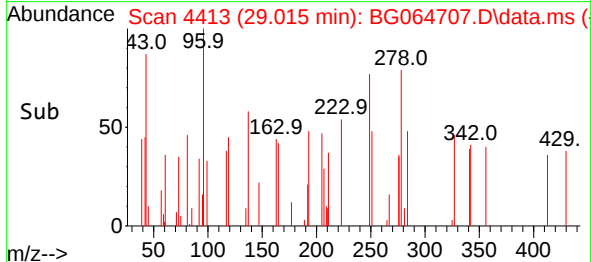
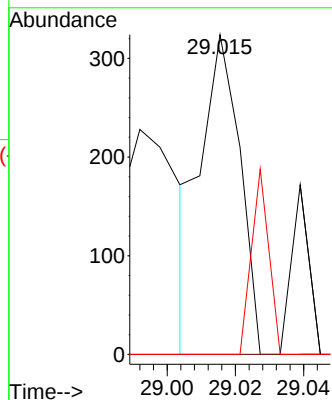
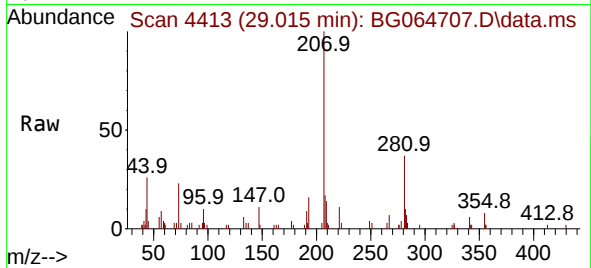




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 47.578 ng
 RT: 29.015 min Scan# 4417
 Delta R.T. -0.024 min
 Lab File: BG064707.D
 Acq: 6 Nov 2025 17:50

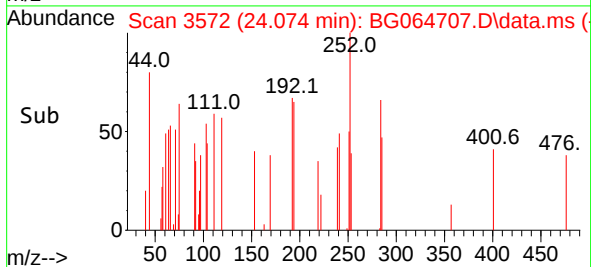
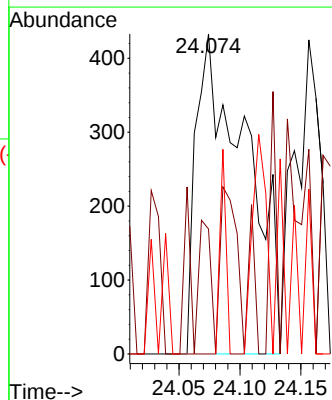
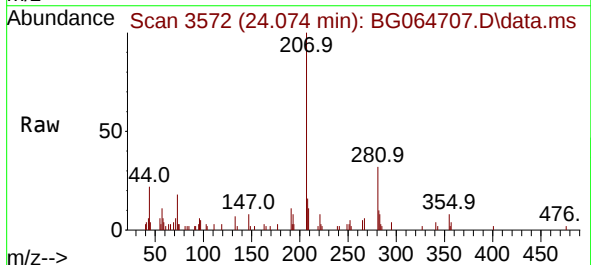
Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

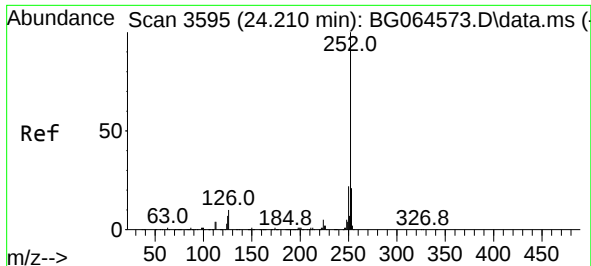
Tgt Ion:276 Resp: 252
 Ion Ratio Lower Upper
 276 100
 138 0.0 10.8 16.2#
 277 0.0 20.1 30.1#



#88
 Benzo(b)fluoranthene
 Concen: 277.461 ng
 RT: 24.074 min Scan# 3572
 Delta R.T. -0.065 min
 Lab File: BG064707.D
 Acq: 6 Nov 2025 17:50

Tgt Ion:252 Resp: 1225
 Ion Ratio Lower Upper
 252 100
 253 39.0 17.8 26.8#
 125 0.0 5.6 8.4#

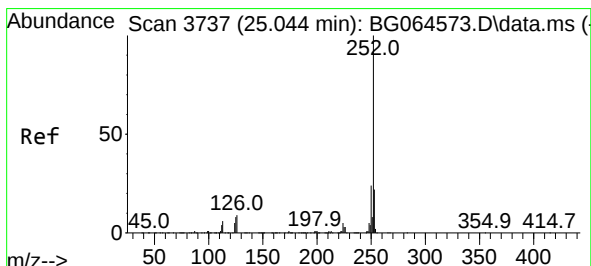
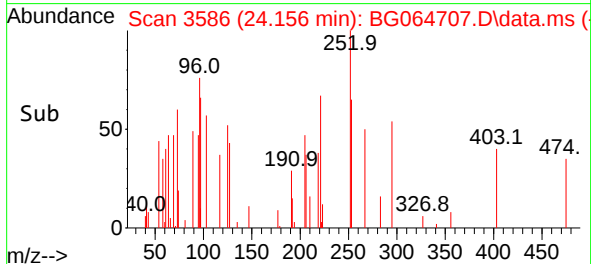
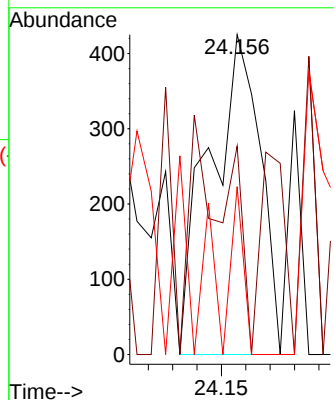
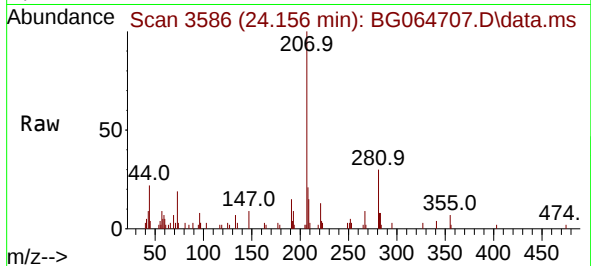




#89
Benzo(k)fluoranthene
Concen: 139.654 ng
RT: 24.156 min Scan# 31
Delta R.T. -0.053 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

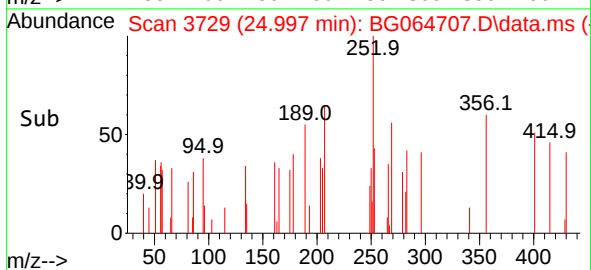
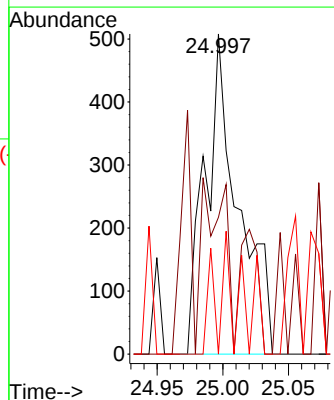
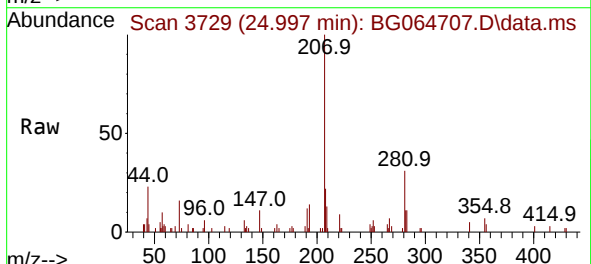
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

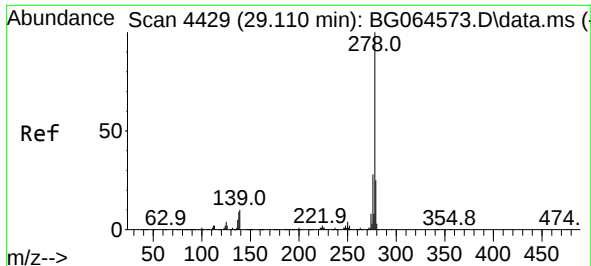
Tgt Ion:252 Resp: 617
Ion Ratio Lower Upper
252 100
253 65.2 16.8 25.2#
125 52.5 5.4 8.0#



#90
Benzo(a)pyrene
Concen: 221.272 ng
RT: 24.997 min Scan# 3729
Delta R.T. -0.048 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion:252 Resp: 898
Ion Ratio Lower Upper
252 100
253 42.7 17.6 26.4#
125 0.0 6.1 9.1#

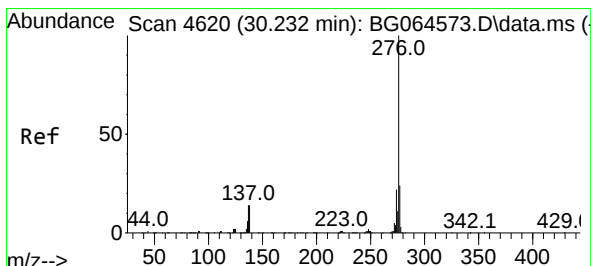
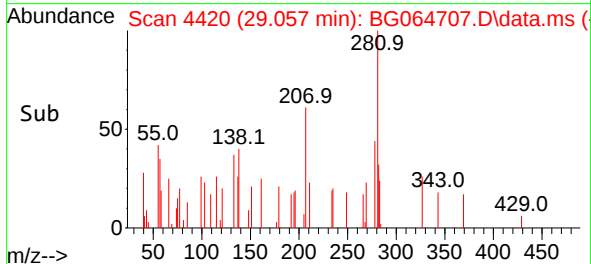
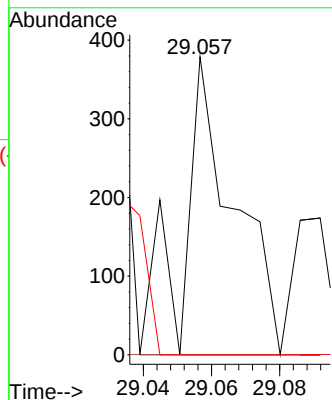
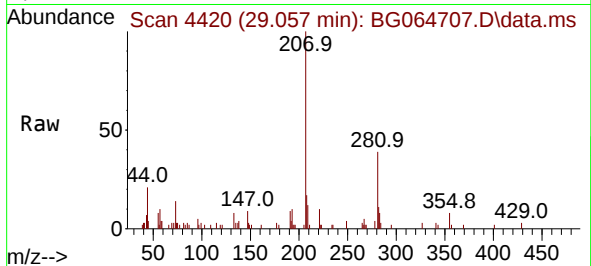




#91
Dibenzo(a,h)anthracene
Concen: 75.528 ng
RT: 29.057 min Scan# 4429
Delta R.T. -0.054 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

Tgt Ion:278 Resp: 325
Ion Ratio Lower Upper
278 100
139 0.0 8.0 12.0#
279 0.0 19.8 29.6#



#92
Benzo(g,h,i)perylene
Concen: 30.409 ng
RT: 30.214 min Scan# 4617
Delta R.T. -0.018 min
Lab File: BG064707.D
Acq: 6 Nov 2025 17:50

Tgt Ion:276 Resp: 125
Ion Ratio Lower Upper
276 100
277 0.0 19.1 28.7#
138 0.0 11.3 16.9#

