

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064725.D
 Acq On : 7 Nov 2025 20:59
 Operator : RC/JU
 Sample : Q3564-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-11062025

Quant Time: Nov 08 01:00:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

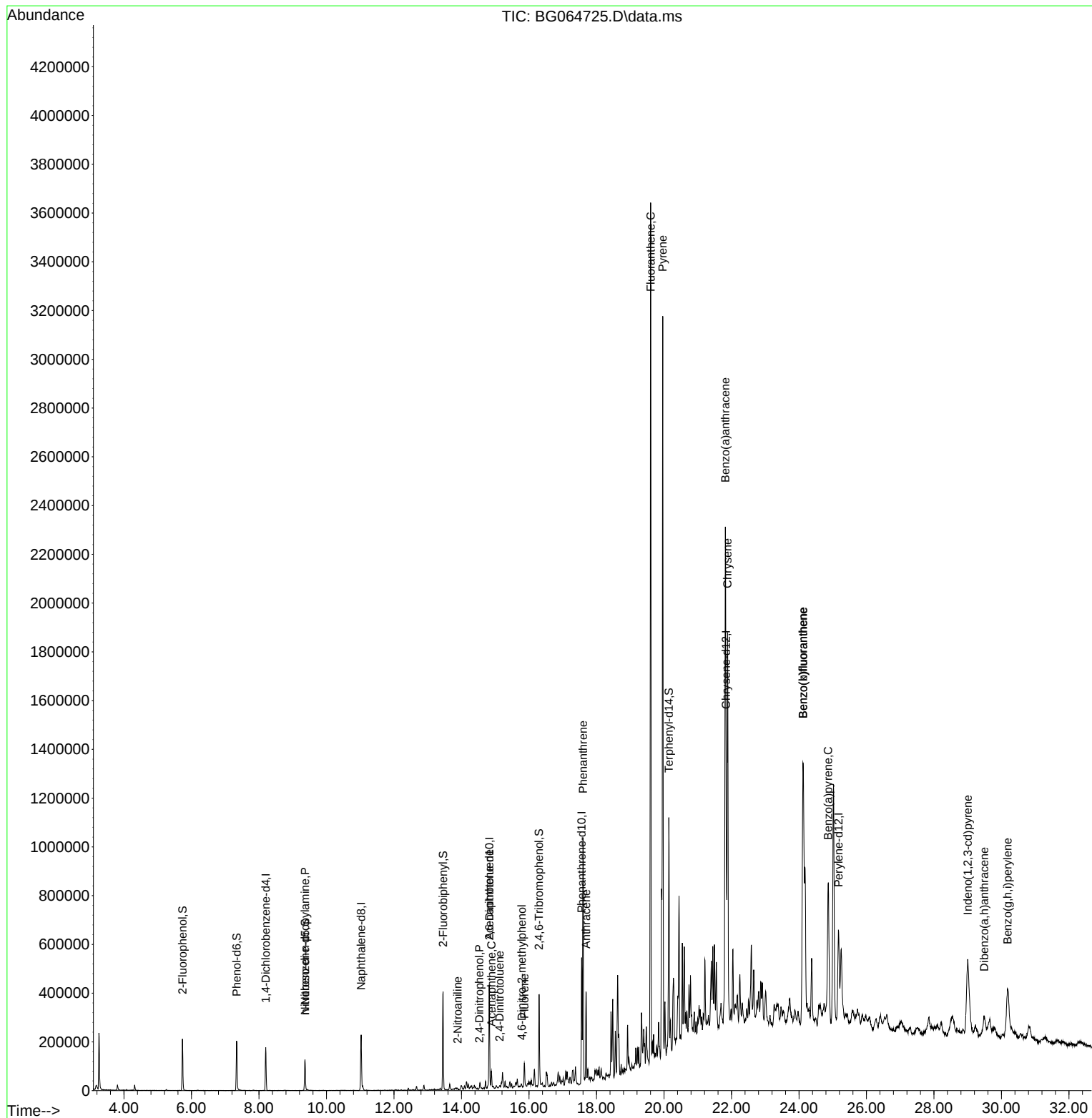
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.201	152	51586	20.000	ng	-0.02
21) Naphthalene-d8	11.027	136	199494	20.000	ng	#-0.02
39) Acenaphthene-d10	14.823	164	156200	20.000	ng	-0.02
64) Phenanthrene-d10	17.561	188	345771	20.000	ng	#-0.02
76) Chrysene-d12	21.838	240	411272	20.000	ng	#-0.02
86) Perylene-d12	25.175	264	461868	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	87335	28.417	ng	-0.02
7) Phenol-d6	7.337	99	119566	28.351	ng	-0.02
23) Nitrobenzene-d5	9.364	82	76346	22.986	ng	-0.02
42) 2,4,6-Tribromophenol	16.297	330	86437	38.341	ng	-0.02
45) 2-Fluorobiphenyl	13.454	172	228382	22.162	ng	-0.02
79) Terphenyl-d14	20.146	244	465901	21.378	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.364	70	10575	3.628	ng	# 60
48) 2-Nitroaniline	13.883	65	57	3.244	ng	# 10
51) 2,6-Dinitrotoluene	14.823	165	21953	13.584	ng	# 19
52) Acenaphthene	14.887	154	24106	2.669	ng	97
54) 2,4-Dinitrophenol	14.529	184	61	5.619	ng	# 1
57) 2,4-Dinitrotoluene	15.128	165	666	3.255	ng	# 70
58) Fluorene	15.863	166	45118	3.956	ng	94
65) 4,6-Dinitro-2-methylph...	15.786	198	82	5.474	ng	# 20
71) Phenanthrene	17.602	178	665570	35.199	ng	99
72) Anthracene	17.696	178	260238	13.530	ng	99
75) Fluoranthene	19.605	202	2395774	101.139	ng	94
78) Pyrene	19.964	202	2121508	78.953	ng	97
81) Benzo(a)anthracene	21.820	228	1518754	55.694	ng	97
83) Chrysene	21.885	228	1242937	47.902	ng	95
87) Indeno(1,2,3-cd)pyrene	29.000	276	693867	20.422	ng	# 94
88) Benzo(b)fluoranthene	24.118	252	1689977	59.671	ng	# 98
89) Benzo(k)fluoranthene	24.118	252	1689977	59.630	ng	96
90) Benzo(a)pyrene	24.864	252	737994	28.348	ng	98
91) Dibenzo(a,h)anthracene	29.488	278	154605	5.601	ng	92
92) Benzo(g,h,i)perylene	30.181	276	564592	21.411	ng	# 96

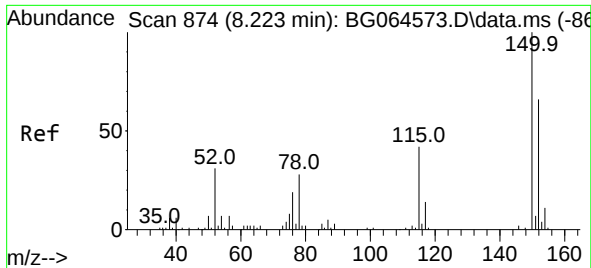
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 03 18:16:26 2025
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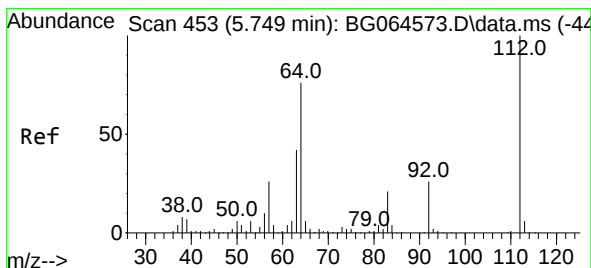
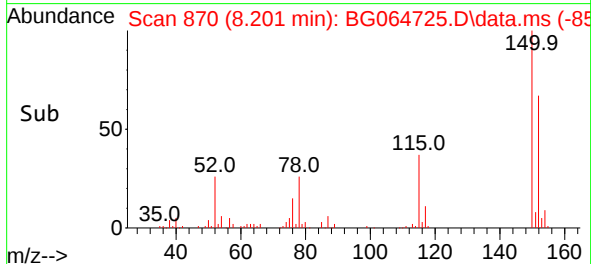
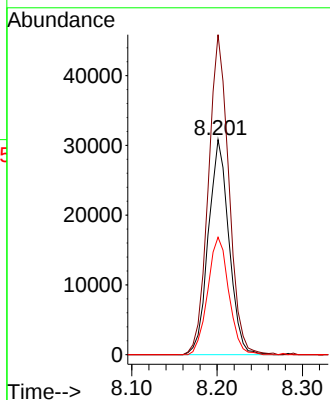
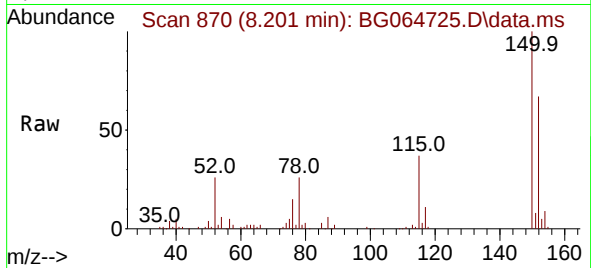




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.201 min Scan# 81
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

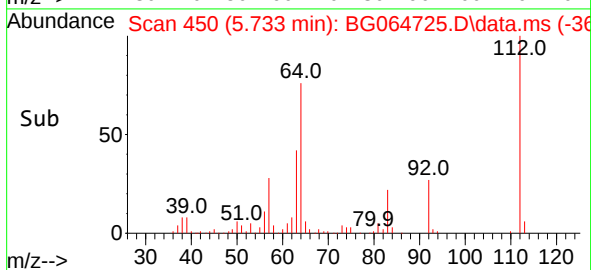
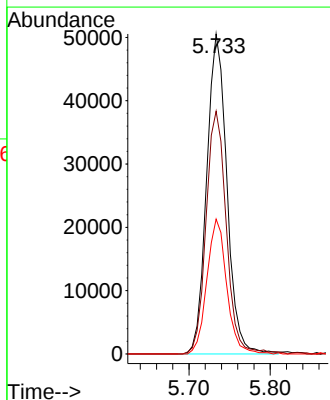
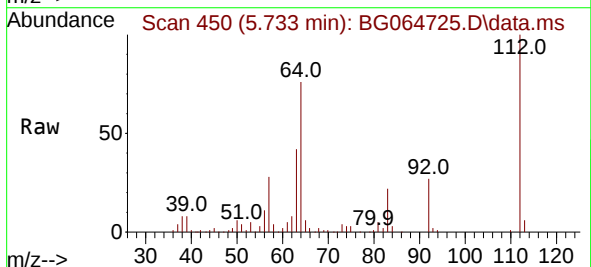
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

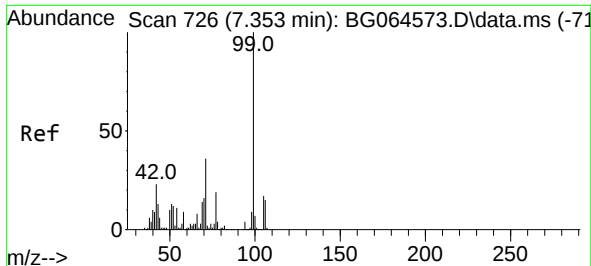
Tgt Ion:152 Resp: 51586
Ion Ratio Lower Upper
152 100
150 148.8 122.2 183.4
115 54.6 50.8 76.2



#5
2-Fluorophenol
Concen: 28.417 ng
RT: 5.733 min Scan# 450
Delta R.T. -0.016 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:112 Resp: 87335
Ion Ratio Lower Upper
112 100
64 75.9 60.7 91.1
63 42.2 33.4 50.0

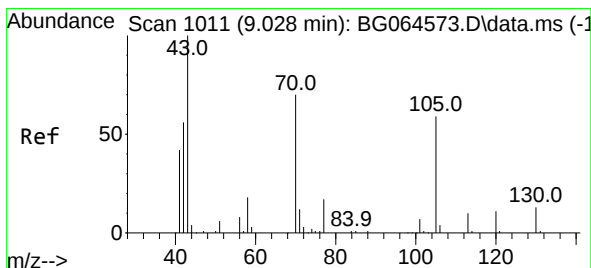
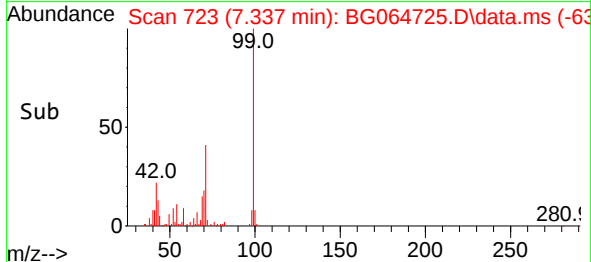
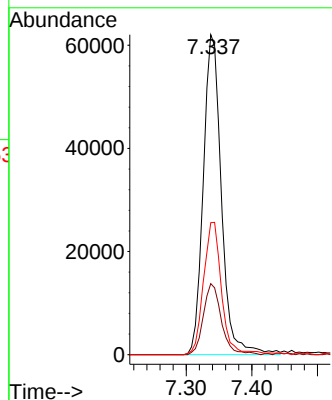
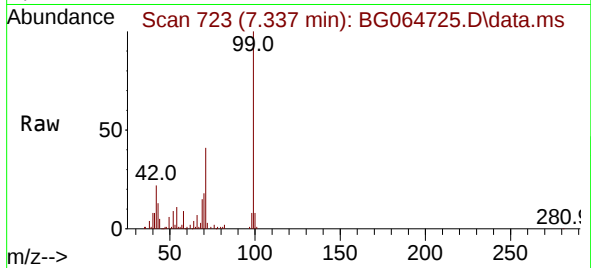




#7
Phenol-d6
Concen: 28.351 ng
RT: 7.337 min Scan# 71
Delta R.T. -0.016 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

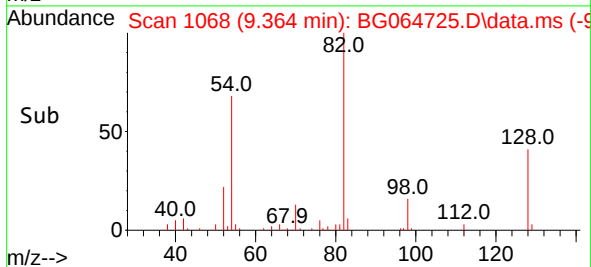
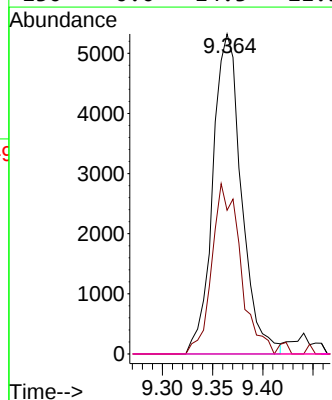
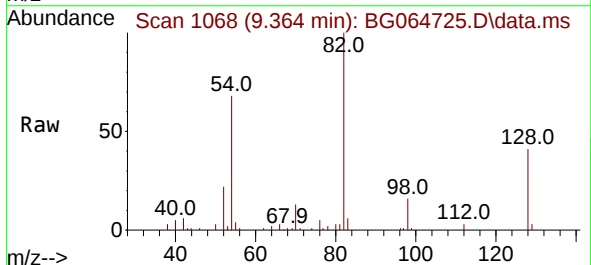
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

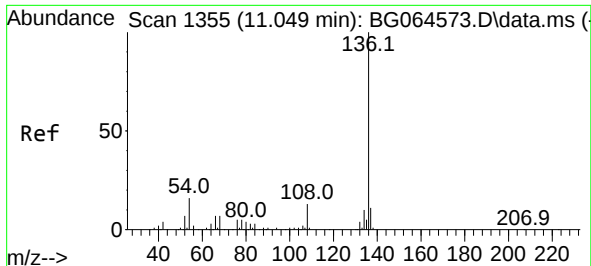
Tgt Ion: 99 Resp: 119566
Ion Ratio Lower Upper
99 100
42 22.2 18.3 27.5
71 41.3 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 3.628 ng
RT: 9.364 min Scan# 1068
Delta R.T. 0.337 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion: 70 Resp: 10575
Ion Ratio Lower Upper
70 100
42 44.9 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#

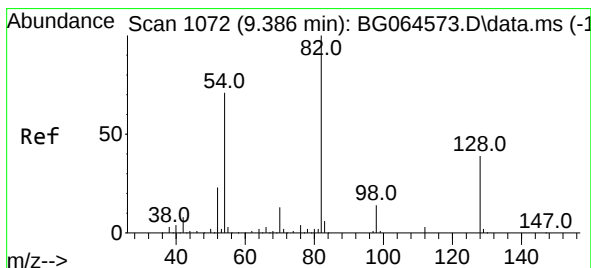
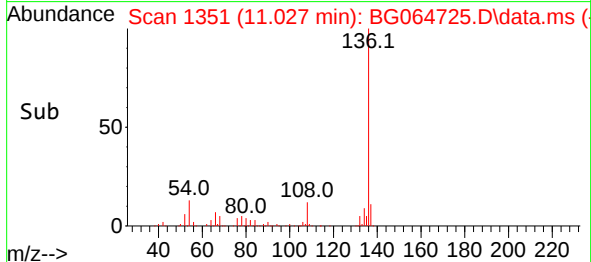
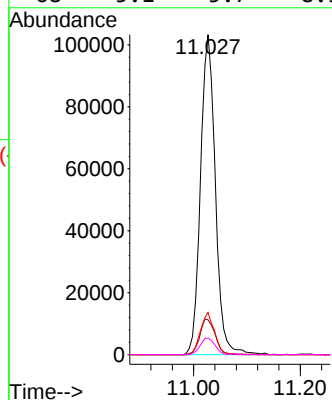
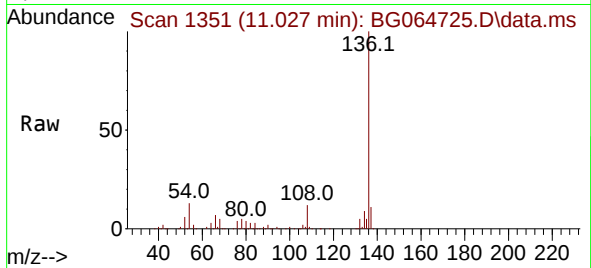




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.027 min Scan# 11
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

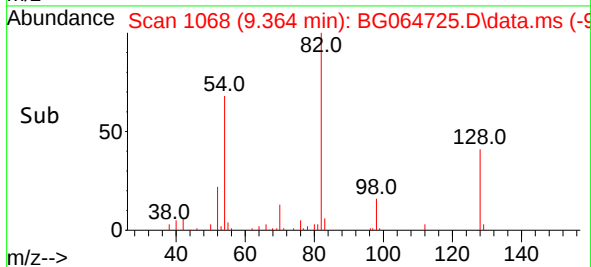
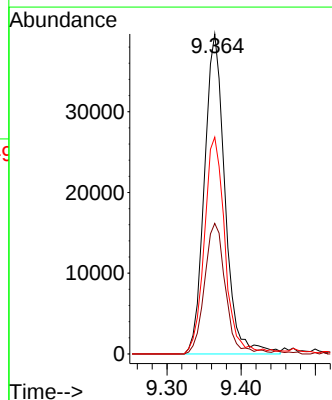
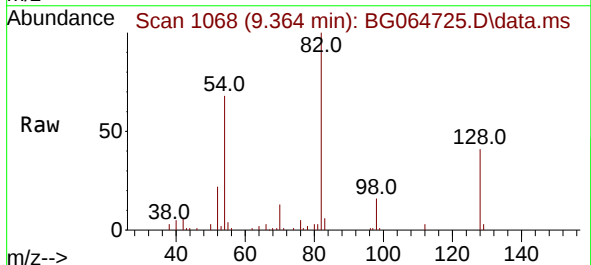
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

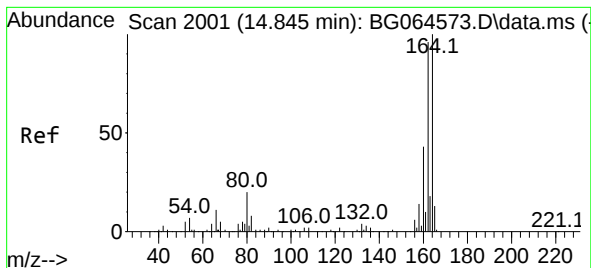
Tgt Ion:	136	Resp:	199494
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	13.2	12.6	19.0
68	5.1	5.7	8.5



#23
Nitrobenzene-d5
Concen: 22.986 ng
RT: 9.364 min Scan# 1068
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:	82	Resp:	76346
Ion Ratio	Lower	Upper	
82	100		
128	40.8	31.3	46.9
54	67.8	56.6	84.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.823 min Scan# 1

Delta R.T. -0.022 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

Instrument :

BNA_G

ClientSampleId :

OR-03-11062025

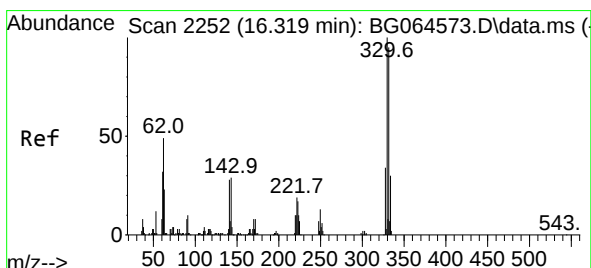
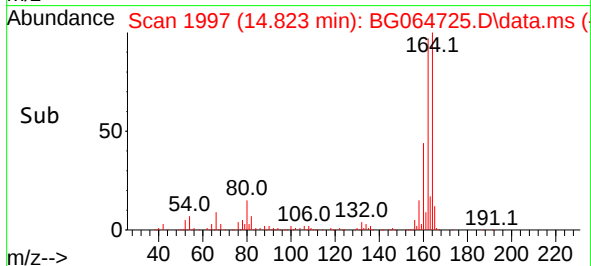
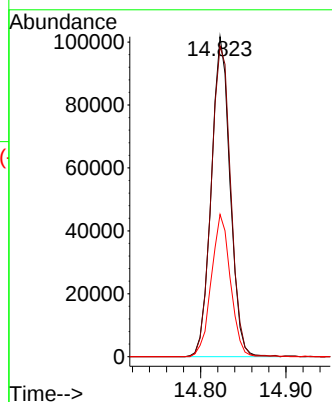
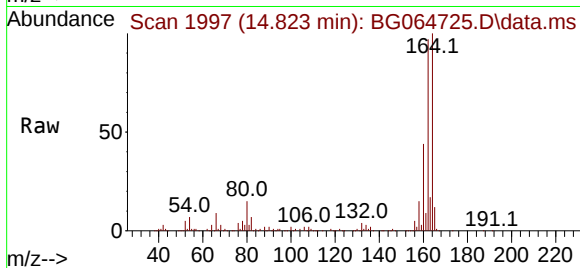
Tgt Ion:164 Resp: 156200

Ion Ratio Lower Upper

164 100

162 97.1 77.0 115.6

160 44.5 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 38.341 ng

RT: 16.297 min Scan# 2248

Delta R.T. -0.022 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

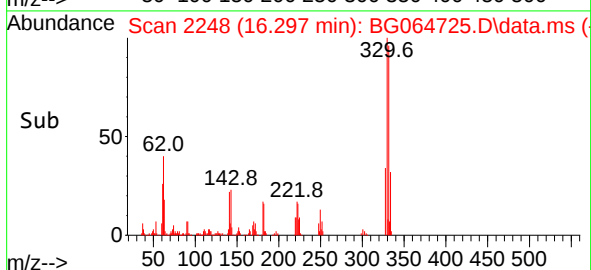
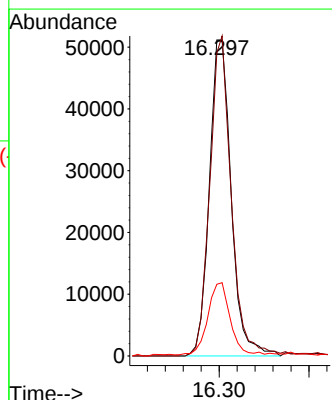
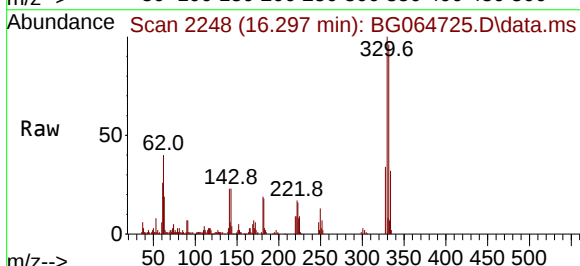
Tgt Ion:330 Resp: 86437

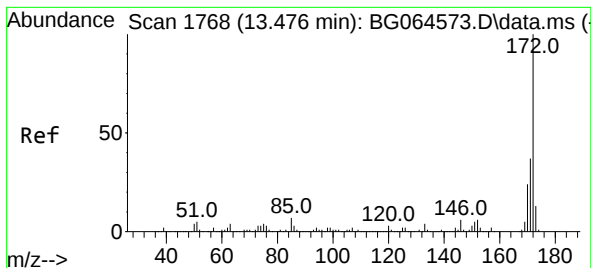
Ion Ratio Lower Upper

330 100

332 99.5 78.0 117.0

141 23.4 21.8 32.6

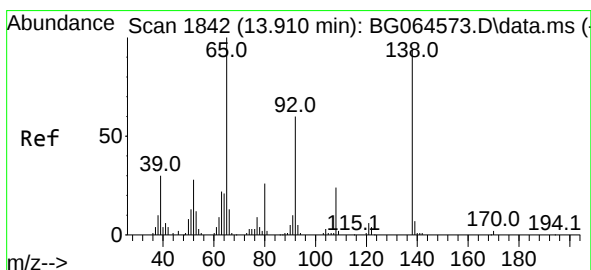
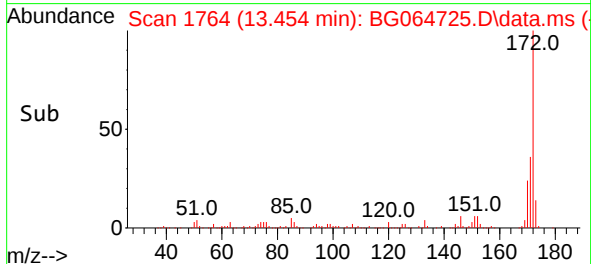
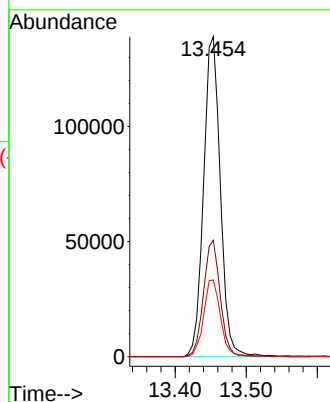
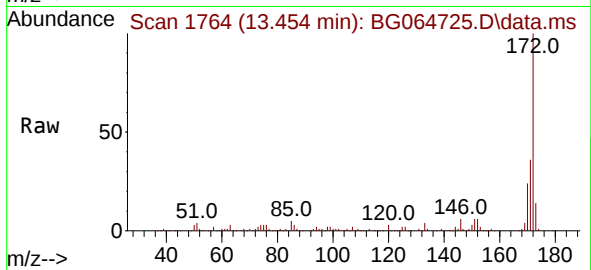




#45
2-Fluorobiphenyl
Concen: 22.162 ng
RT: 13.454 min Scan# 1
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

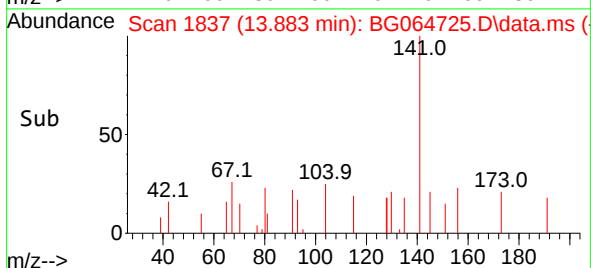
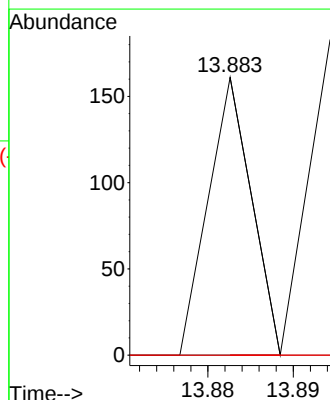
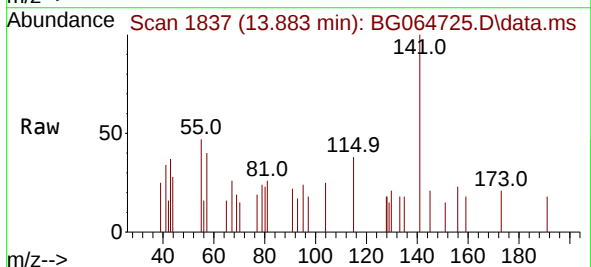
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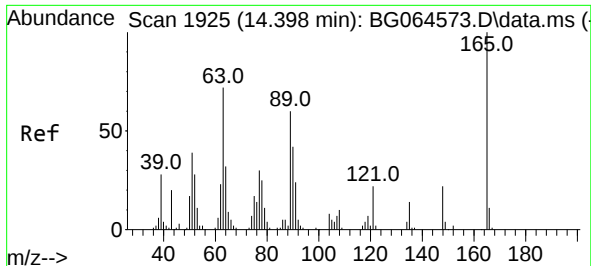
Tgt Ion:172 Resp: 228382
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.0 19.1 28.7



#48
2-Nitroaniline
Concen: 3.244 ng
RT: 13.883 min Scan# 1837
Delta R.T. -0.027 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 48.3 72.5#
138 0.0 74.9 112.3#

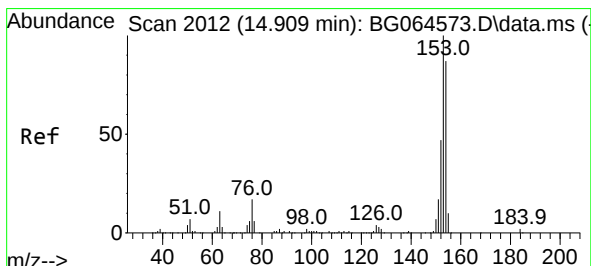
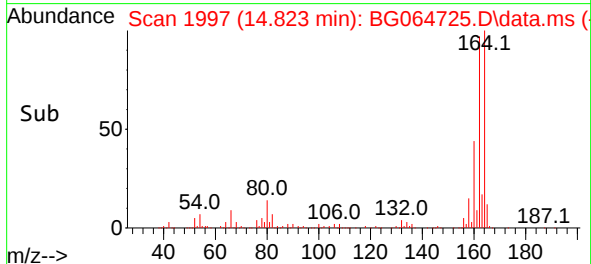
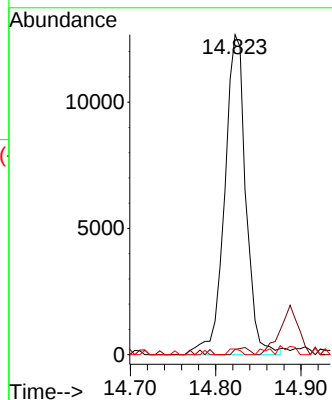
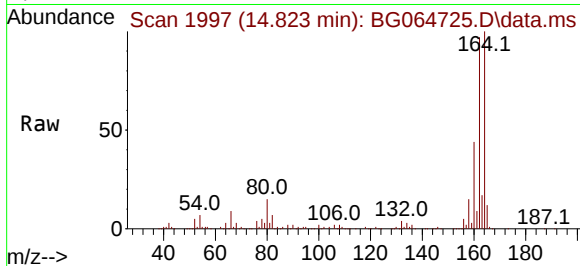




#51
2,6-Dinitrotoluene
Concen: 13.584 ng
RT: 14.823 min Scan# 1925
Delta R.T. 0.425 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

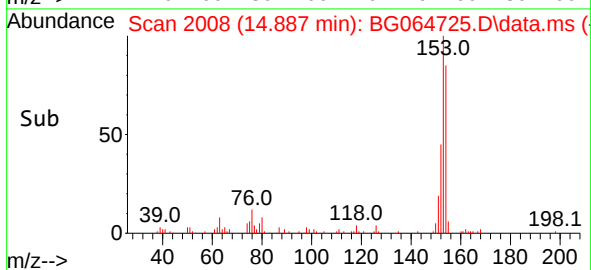
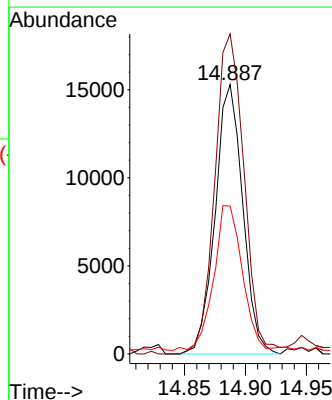
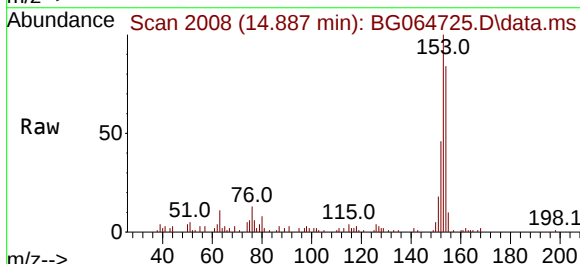
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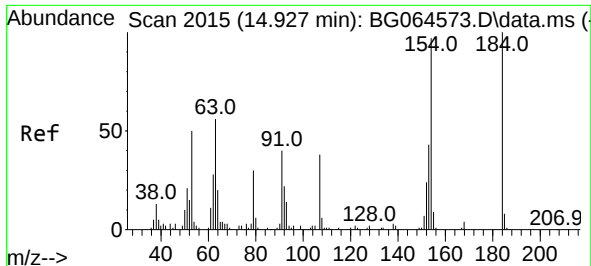
Tgt Ion:165 Resp: 21953
Ion Ratio Lower Upper
165 100
63 1.7 57.4 86.0#
89 1.8 47.8 71.8#



#52
Acenaphthene
Concen: 2.669 ng
RT: 14.887 min Scan# 2008
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:154 Resp: 24106
Ion Ratio Lower Upper
154 100
153 118.7 92.2 138.4
152 54.8 43.2 64.8

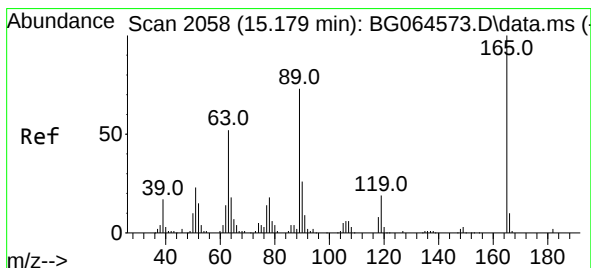
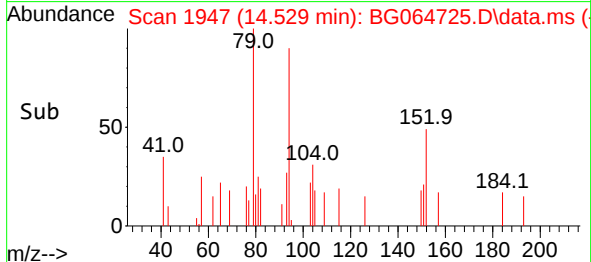
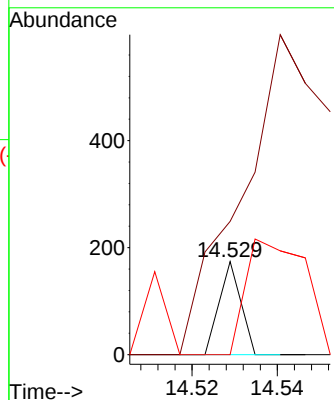
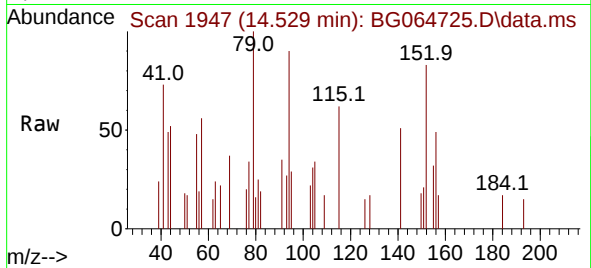




#54
2,4-Dinitrophenol
Concen: 5.619 ng
RT: 14.529 min Scan# 1947
Delta R.T. -0.398 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

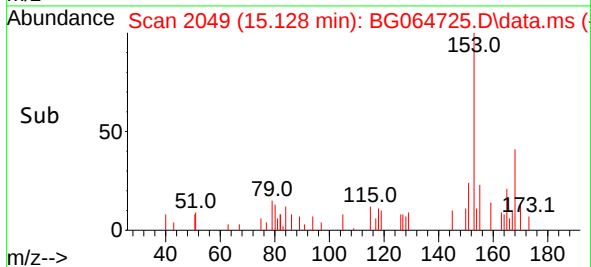
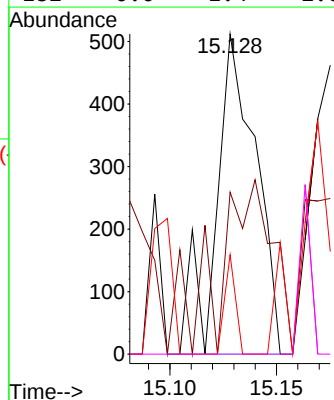
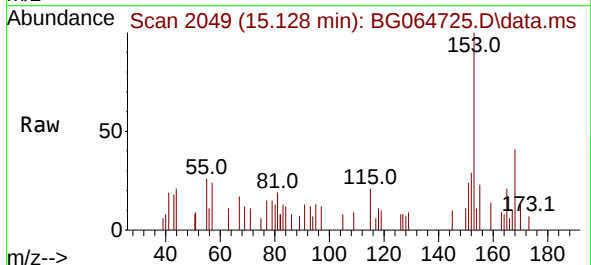
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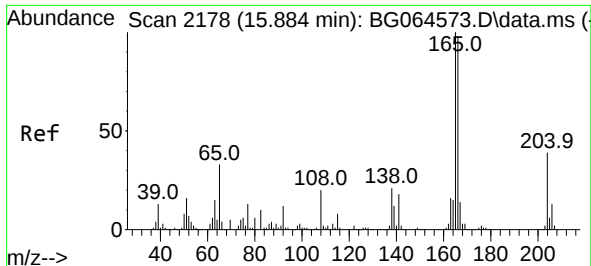
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Ion Ratio Lower Upper
184 100
63 143.1 56.6 85.0#
154 0.0 158.6 238.0#



#57
2,4-Dinitrotoluene
Concen: 3.255 ng
RT: 15.128 min Scan# 2049
Delta R.T. -0.051 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:165 Resp: 666
Ion Ratio Lower Upper
165 100
63 50.6 41.8 62.8
89 31.1 58.1 87.1#
182 0.0 1.4 2.0#

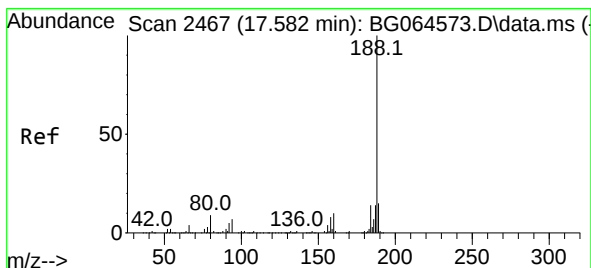
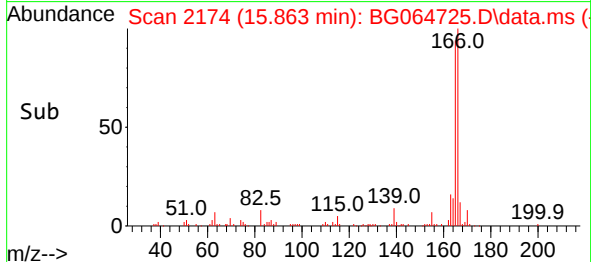
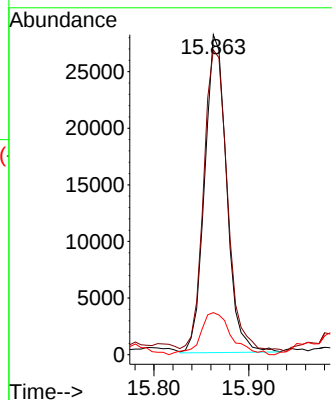
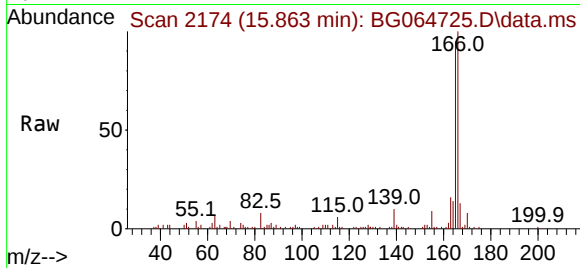




#58
Fluorene
Concen: 3.956 ng
RT: 15.863 min Scan# 2178
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

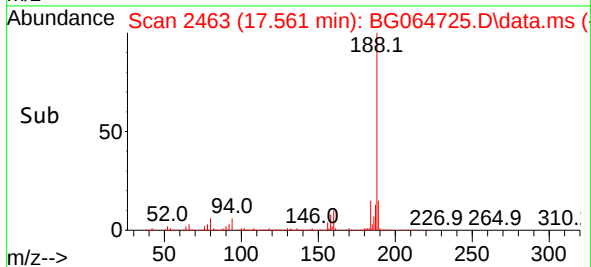
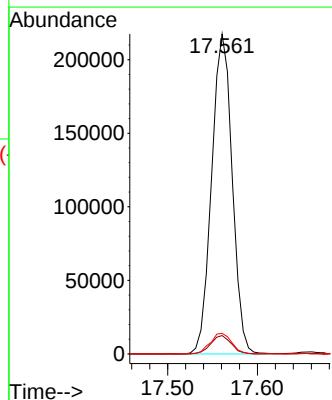
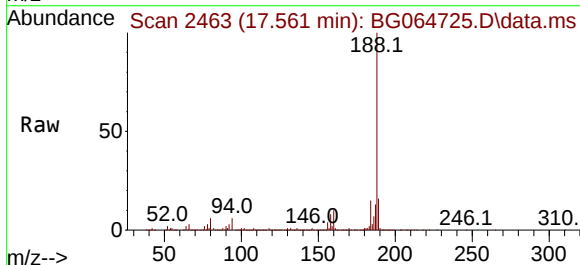
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

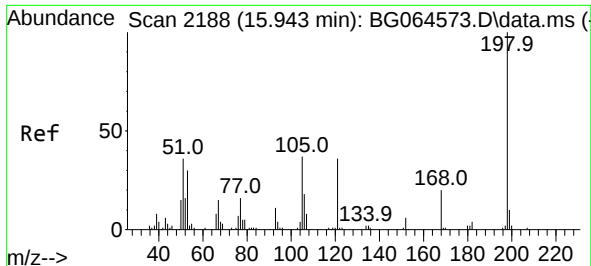
Tgt Ion:166 Resp: 45118
Ion Ratio Lower Upper
166 100
165 95.2 81.5 122.3
167 13.1 11.4 17.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.561 min Scan# 2463
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:188 Resp: 345771
Ion Ratio Lower Upper
188 100
94 5.8 5.7 8.5
80 6.4 6.8 10.2#

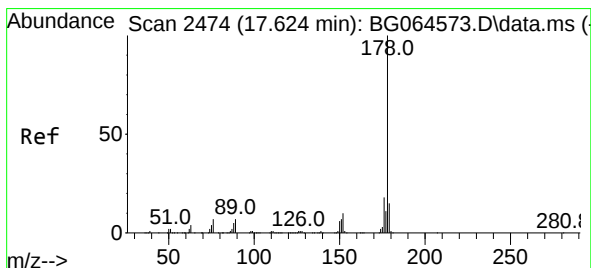
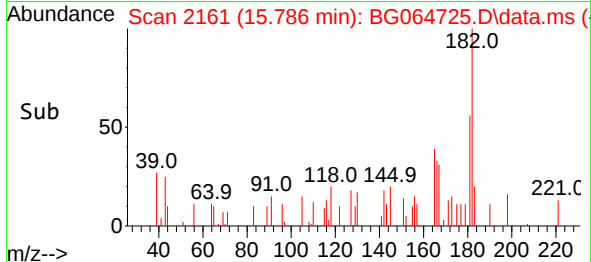
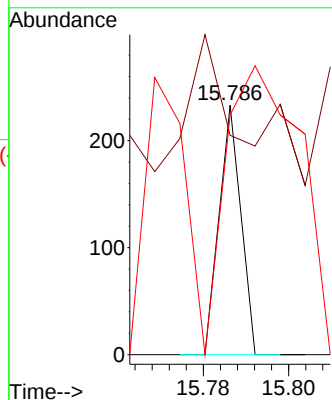
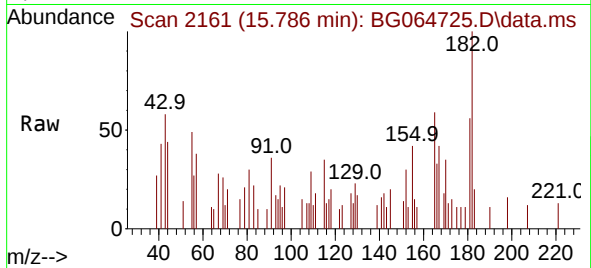




#65
4,6-Dinitro-2-methylphenol
Concen: 5.474 ng
RT: 15.786 min Scan# 2188
Delta R.T. -0.157 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

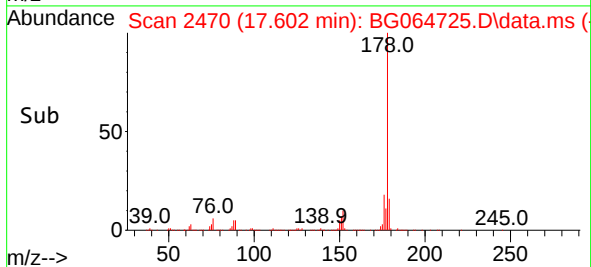
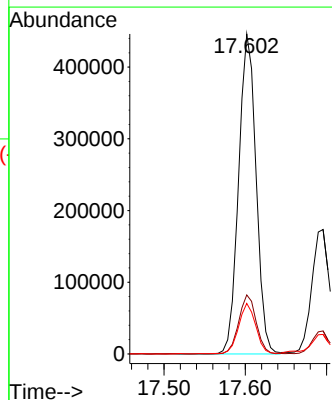
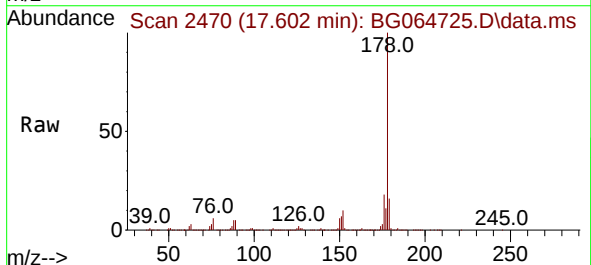
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

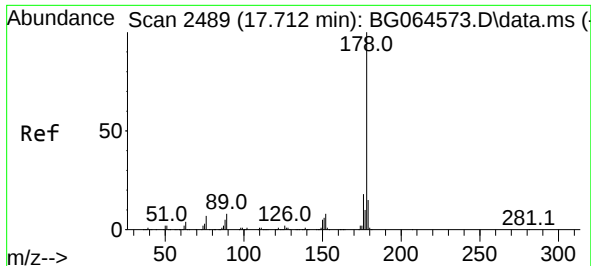
Tgt Ion:198 Resp: 82
Ion Ratio Lower Upper
198 100
51 88.0 24.7 64.7#
105 96.1 18.0 58.0#



#71
Phenanthrene
Concen: 35.199 ng
RT: 17.602 min Scan# 2470
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:178 Resp: 665570
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.8 12.2 18.4

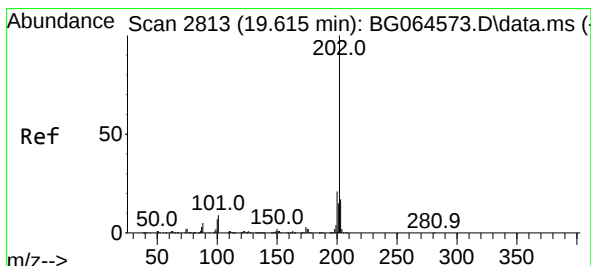
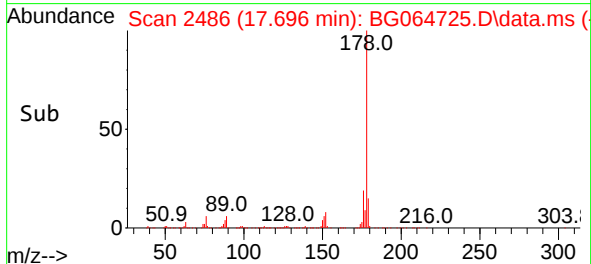
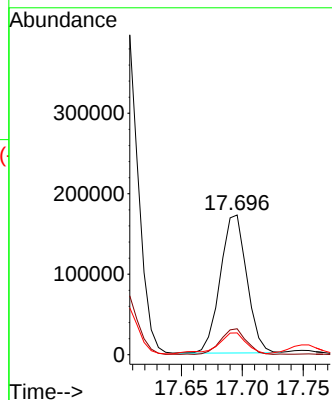
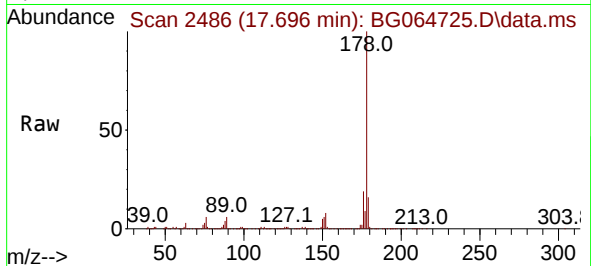




#72
 Anthracene
 Concen: 13.530 ng
 RT: 17.696 min Scan# 2489
 Delta R.T. -0.016 min
 Lab File: BG064725.D
 Acq: 7 Nov 2025 20:59

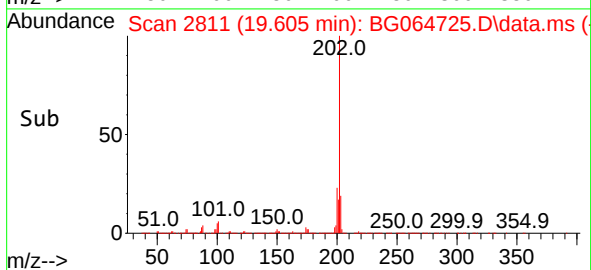
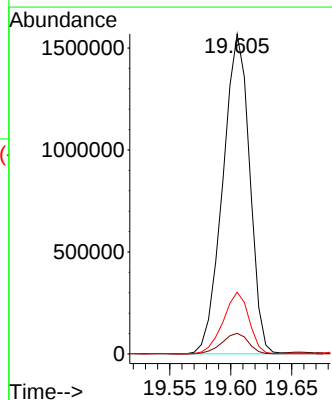
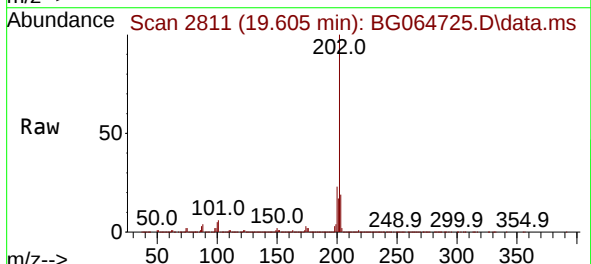
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-11062025

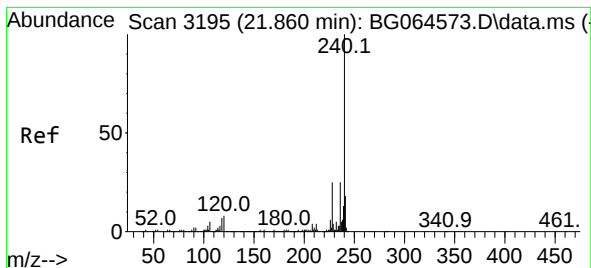
Tgt Ion:178 Resp: 260238
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.4 21.6
 179 15.6 12.4 18.6



#75
 Fluoranthene
 Concen: 101.139 ng
 RT: 19.605 min Scan# 2811
 Delta R.T. -0.010 min
 Lab File: BG064725.D
 Acq: 7 Nov 2025 20:59

Tgt Ion:202 Resp: 2395774
 Ion Ratio Lower Upper
 202 100
 101 6.5 0.0 28.7
 203 19.3 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.838 min Scan# 31

Delta R.T. -0.022 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

Instrument :

BNA_G

ClientSampleId :

OR-03-11062025

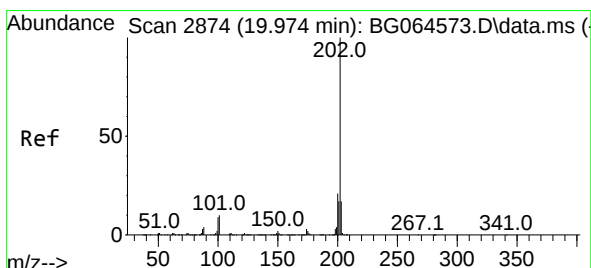
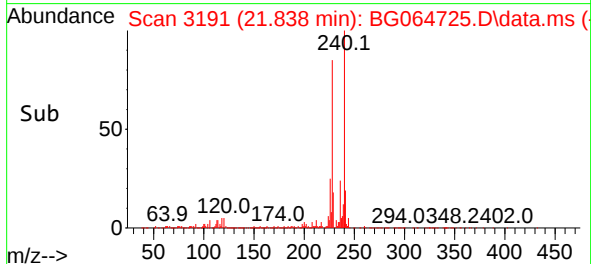
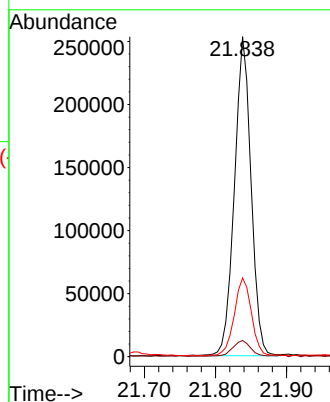
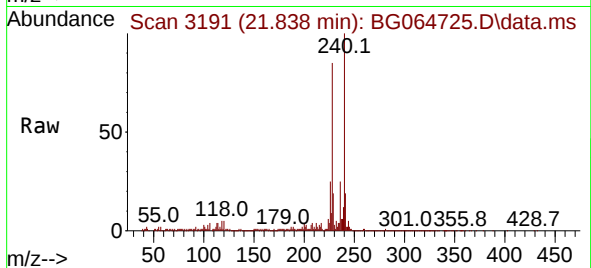
Tgt Ion:240 Resp: 411272

Ion Ratio Lower Upper

240 100

120 5.1 6.5 9.7#

236 24.6 20.2 30.2



#78

Pyrene

Concen: 78.953 ng

RT: 19.964 min Scan# 2872

Delta R.T. -0.010 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

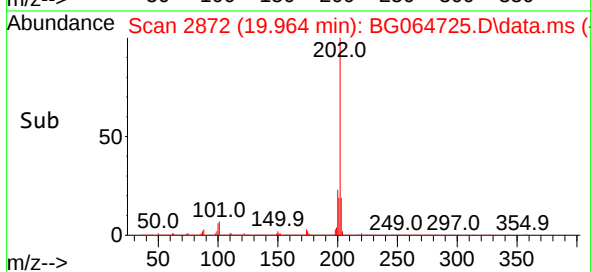
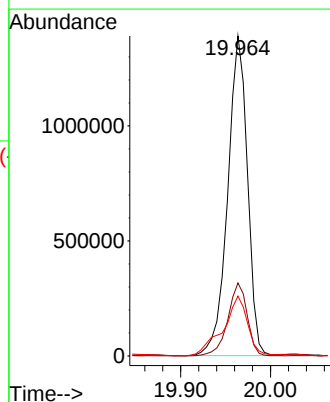
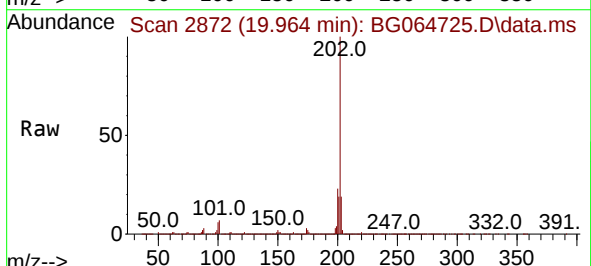
Tgt Ion:202 Resp: 2121508

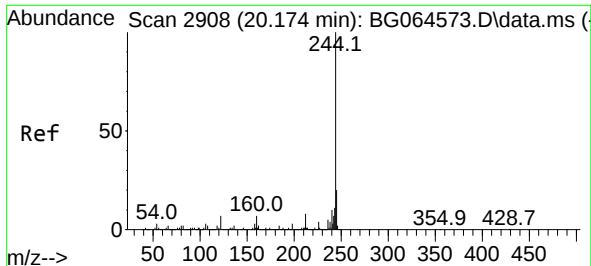
Ion Ratio Lower Upper

202 100

200 22.8 17.0 25.4

203 18.7 13.8 20.6

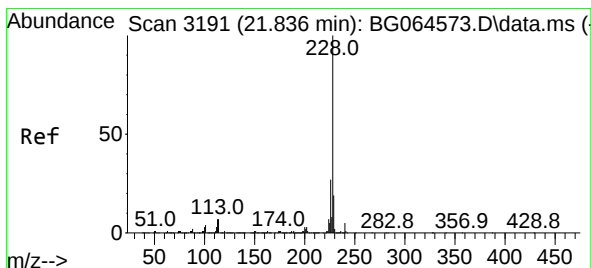
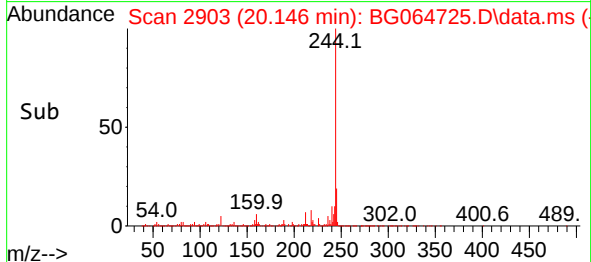
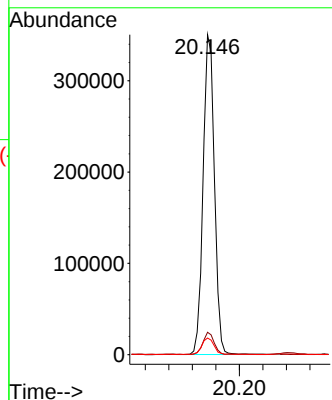
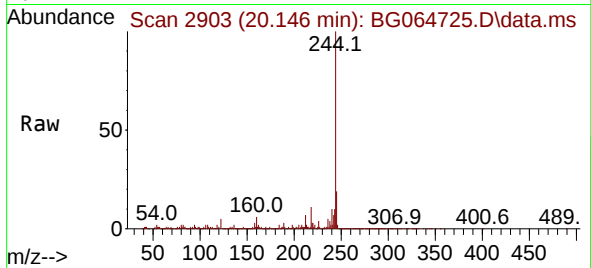




#79
 Terphenyl-d14
 Concen: 21.378 ng
 RT: 20.146 min Scan# 2903
 Delta R.T. -0.028 min
 Lab File: BG064725.D
 Acq: 7 Nov 2025 20:59

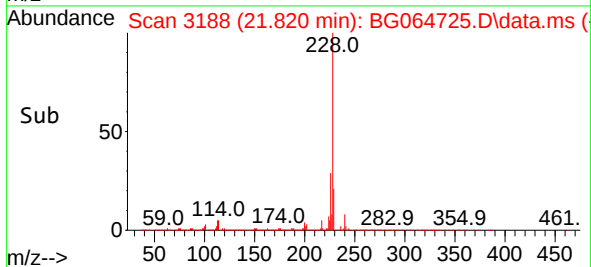
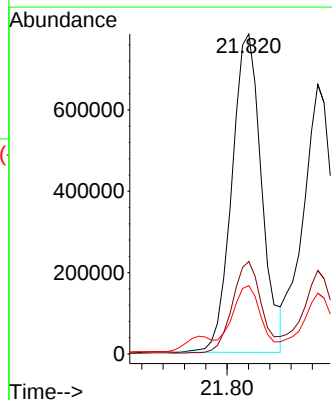
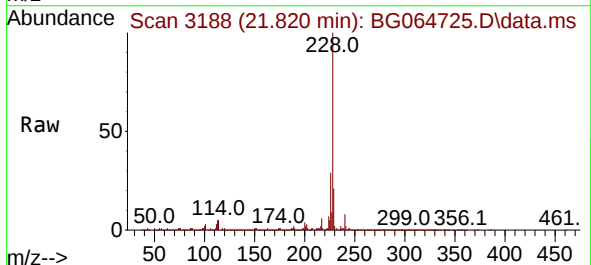
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-11062025

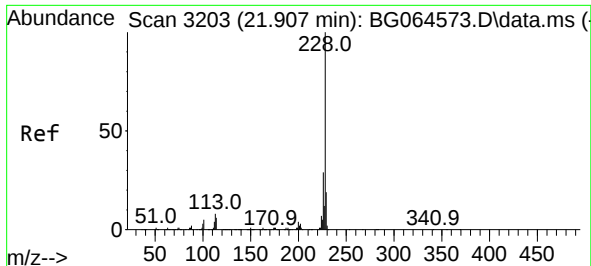
Tgt Ion:244 Resp: 465901
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.2 5.6 8.4#



#81
 Benzo(a)anthracene
 Concen: 55.694 ng
 RT: 21.820 min Scan# 3188
 Delta R.T. -0.016 min
 Lab File: BG064725.D
 Acq: 7 Nov 2025 20:59

Tgt Ion:228 Resp: 1518754
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.9 32.9
 229 21.4 15.6 23.4

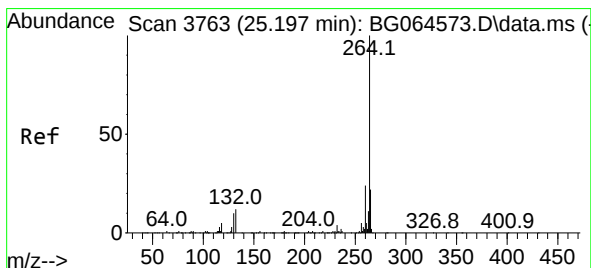
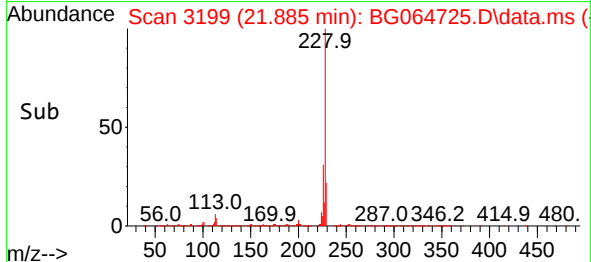
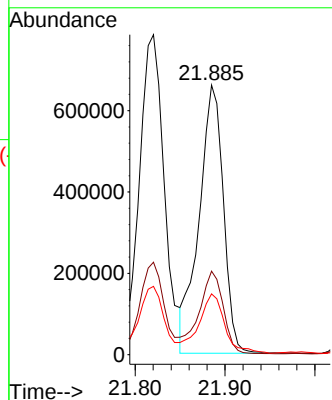
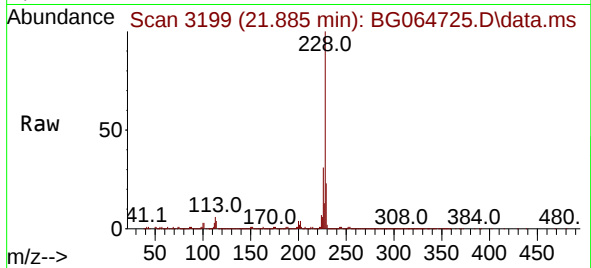




#83
Chrysene
Concen: 47.902 ng
RT: 21.885 min Scan# 31
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

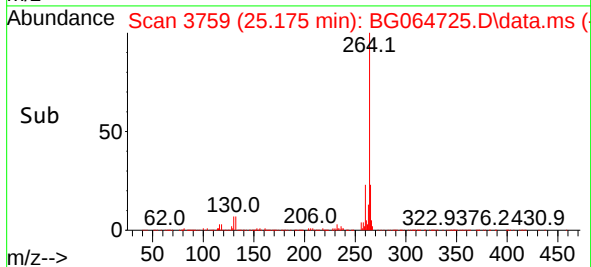
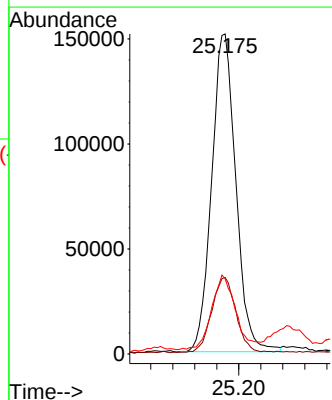
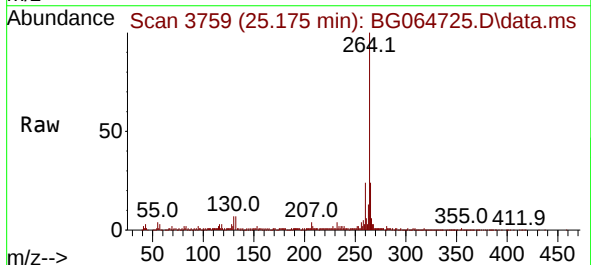
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

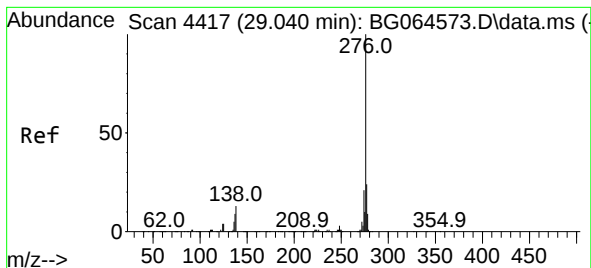
Tgt Ion:228 Resp: 1242937
Ion Ratio Lower Upper
228 100
226 31.0 23.3 34.9
229 22.6 15.2 22.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.175 min Scan# 3759
Delta R.T. -0.022 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:264 Resp: 461868
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 23.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.422 ng

RT: 29.000 min Scan# 4417

Delta R.T. -0.039 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

Instrument :

BNA_G

ClientSampleId :

OR-03-11062025

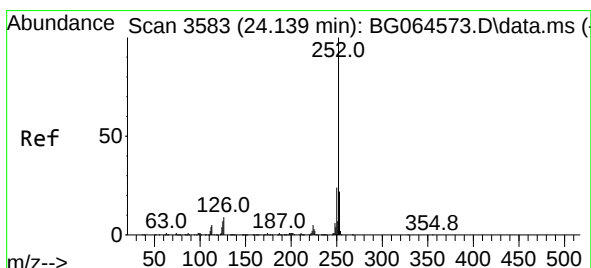
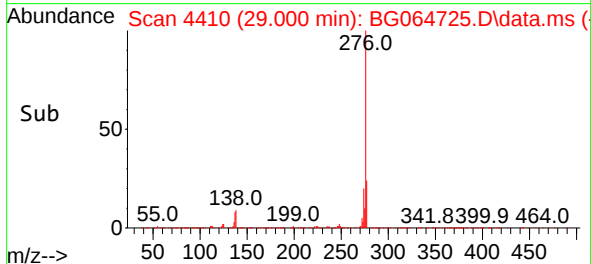
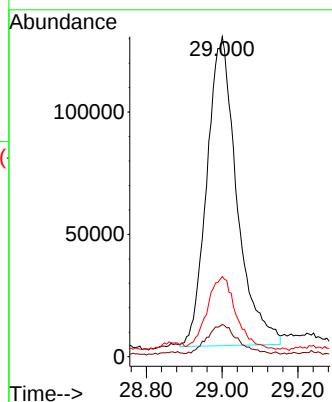
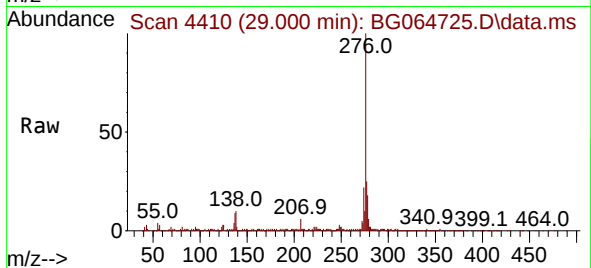
Tgt Ion:276 Resp: 693867

Ion Ratio Lower Upper

276 100

138 10.1 10.8 16.2#

277 22.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 59.671 ng

RT: 24.118 min Scan# 3579

Delta R.T. -0.022 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

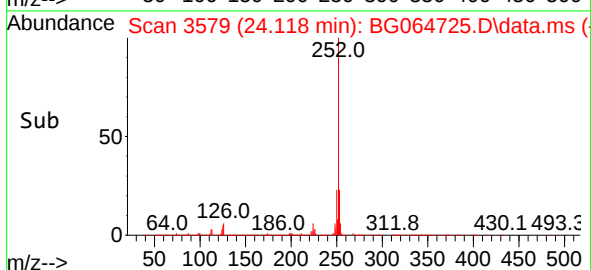
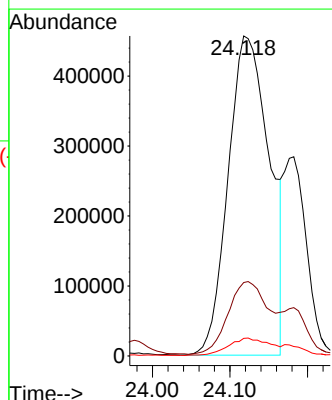
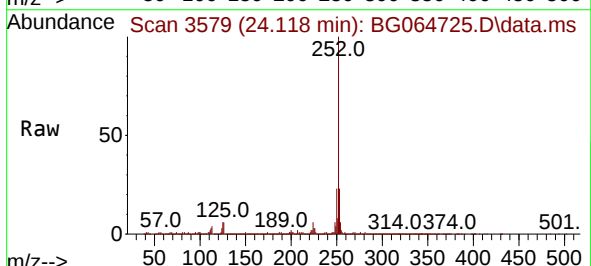
Tgt Ion:252 Resp: 1689977

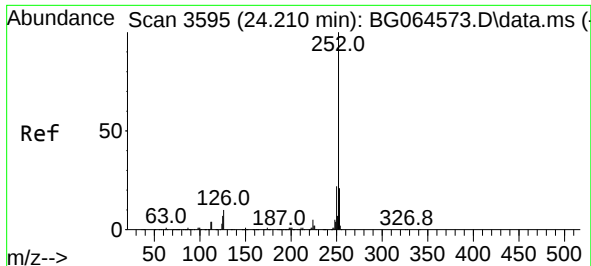
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 5.5 5.6 8.4#

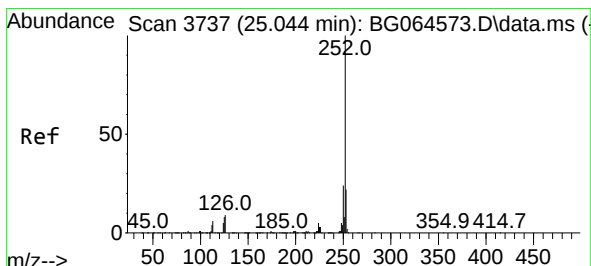
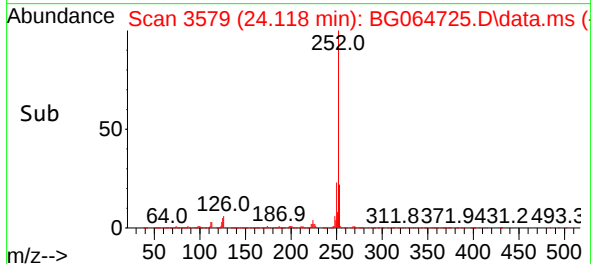
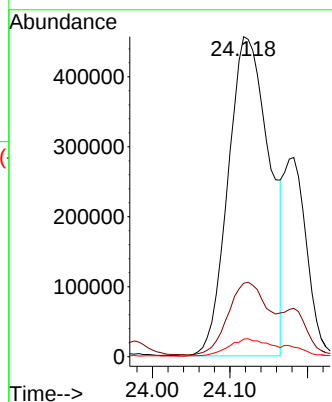
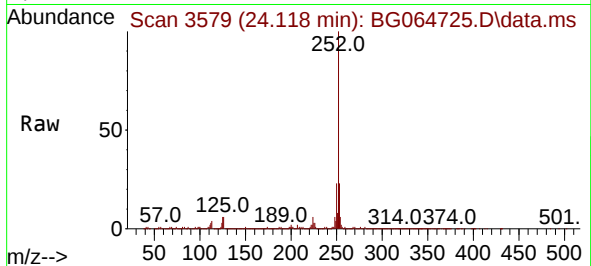




#89
Benzo(k)fluoranthene
Concen: 59.630 ng
RT: 24.118 min Scan# 31
Delta R.T. -0.092 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

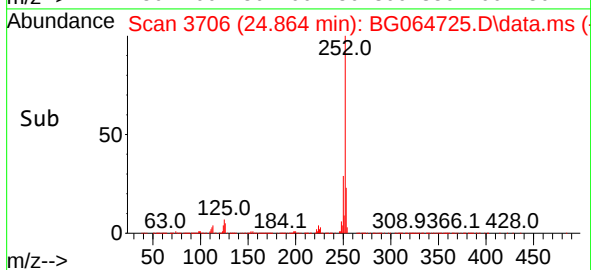
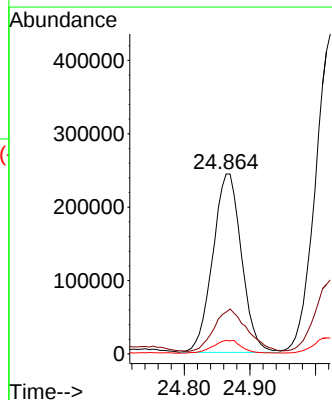
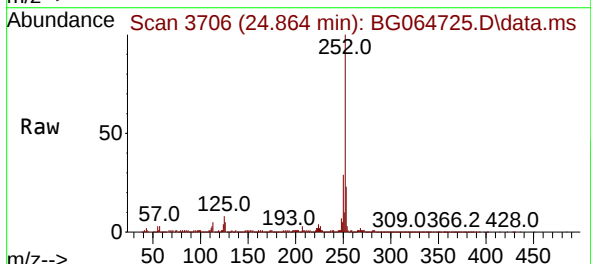
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

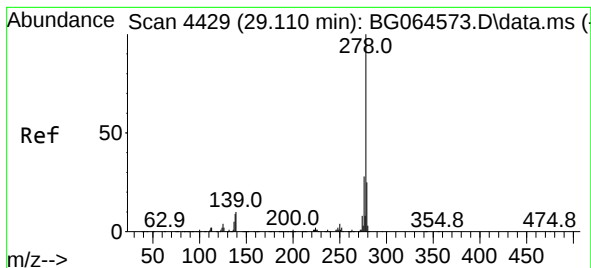
Tgt Ion:252 Resp: 1689977
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 5.5 5.4 8.0



#90
Benzo(a)pyrene
Concen: 28.348 ng
RT: 24.864 min Scan# 3706
Delta R.T. -0.180 min
Lab File: BG064725.D
Acq: 7 Nov 2025 20:59

Tgt Ion:252 Resp: 737994
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 7.6 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 5.601 ng

RT: 29.488 min Scan# 4429

Delta R.T. 0.378 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

Instrument :

BNA_G

ClientSampleId :

OR-03-11062025

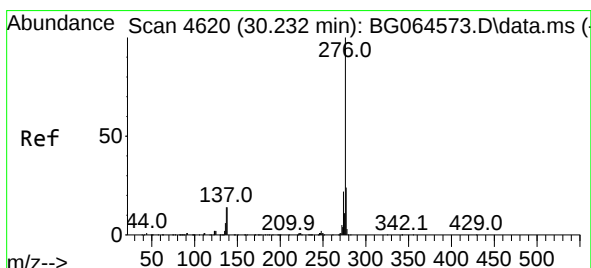
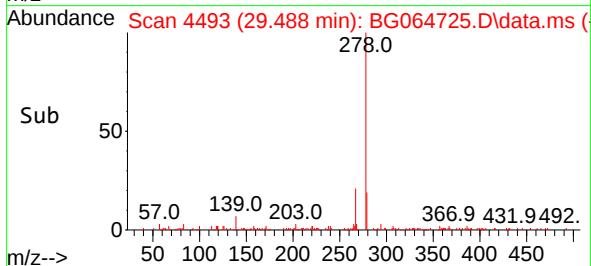
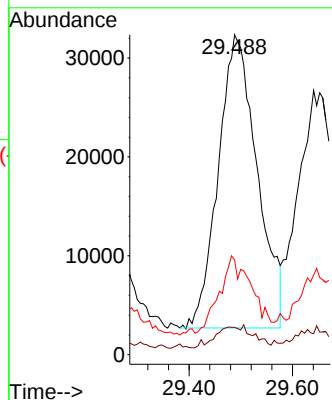
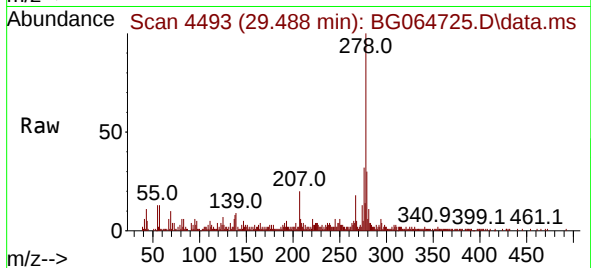
Tgt Ion:278 Resp: 154605

Ion Ratio Lower Upper

278 100

139 8.6 8.0 12.0

279 29.6 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 21.411 ng

RT: 30.181 min Scan# 4611

Delta R.T. -0.051 min

Lab File: BG064725.D

Acq: 7 Nov 2025 20:59

Tgt Ion:276 Resp: 564592

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 10.4 11.3 16.9#

