

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064723.D
 Acq On : 7 Nov 2025 19:37
 Operator : RC/JU
 Sample : Q3580-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 346

Quant Time: Nov 08 00:59:37 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)

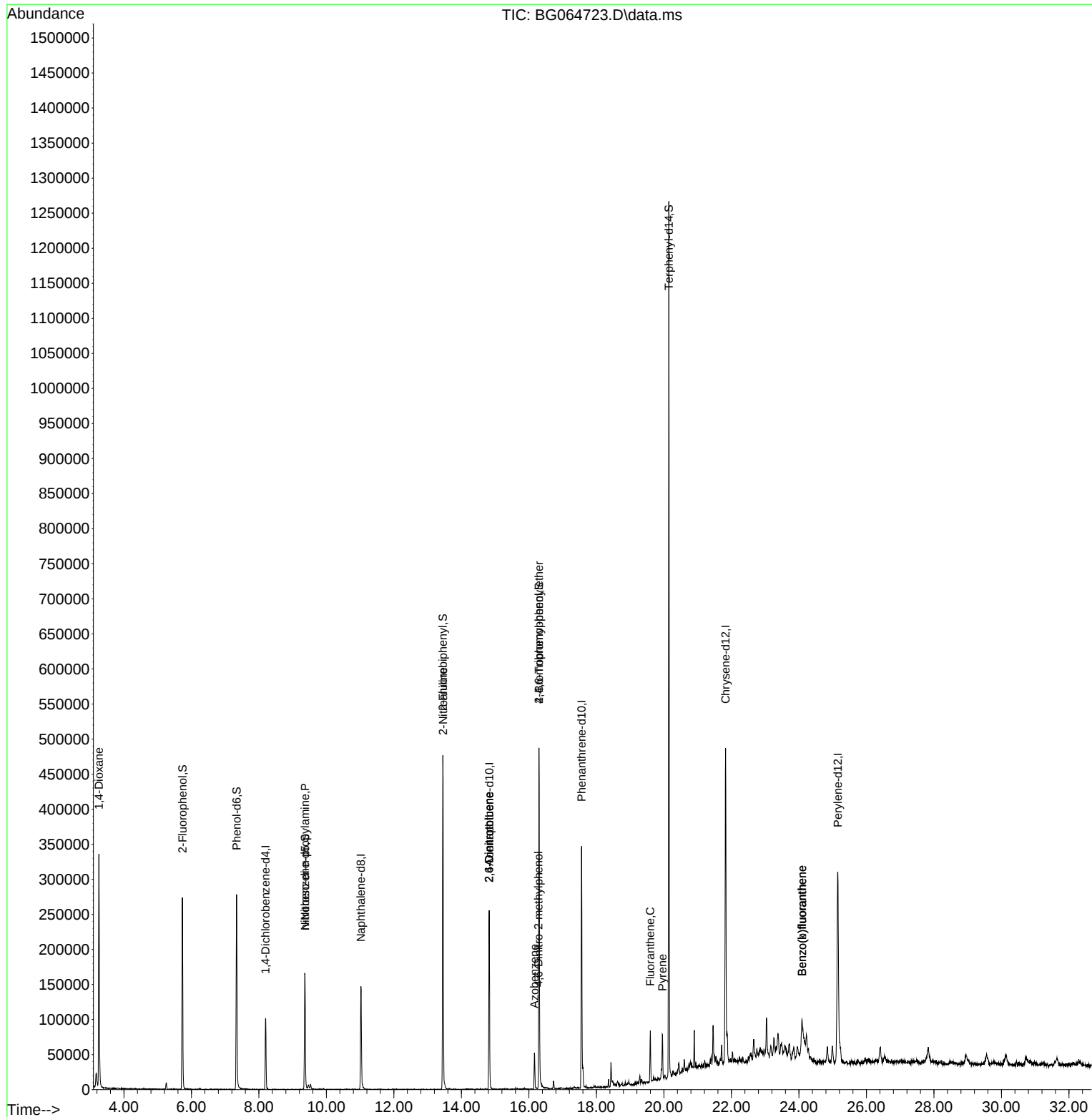
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.196	152	29688	20.000	ng	-0.03
21) Naphthalene-d8	11.022	136	130505	20.000	ng	#-0.03
39) Acenaphthene-d10	14.823	164	102239	20.000	ng	-0.02
64) Phenanthrene-d10	17.561	188	248807	20.000	ng	#-0.02
76) Chrysene-d12	21.827	240	306605	20.000	ng	#-0.03
86) Perylene-d12	25.152	264	341118	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.734	112	115594	65.354	ng	-0.02
7) Phenol-d6	7.338	99	158431	65.277	ng	-0.02
23) Nitrobenzene-d5	9.365	82	102075	46.978	ng	-0.02
42) 2,4,6-Tribromophenol	16.298	330	122173	82.795	ng	-0.02
45) 2-Fluorobiphenyl	13.449	172	275736	40.879	ng	-0.03
79) Terphenyl-d14	20.147	244	644203	39.651	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.261	88	2812	3.591	ng	# 1
19) n-Nitroso-di-n-propyla...	9.365	70	13683	8.158	ng	# 63
48) 2-Nitroaniline	13.454	65	275	3.364	ng	# 1
51) 2,6-Dinitrotoluene	14.818	165	12918	12.535	ng	# 17
57) 2,4-Dinitrotoluene	14.818	165	12918	9.112	ng	# 20
63) Azobenzene	16.163	77	16217	2.213	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.281	198	72	5.485	ng	# 34
67) 4-Bromophenyl-phenylether	16.298	248	7566	2.566	ng	# 1
75) Fluoranthene	19.594	202	50552	2.966	ng	98
78) Pyrene	19.959	202	44882	2.241	ng	98
88) Benzo(b)fluoranthene	24.095	252	45572	2.179	ng	95
89) Benzo(k)fluoranthene	24.095	252	45572	2.177	ng	# 93

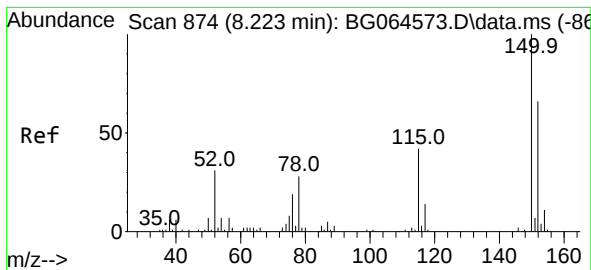
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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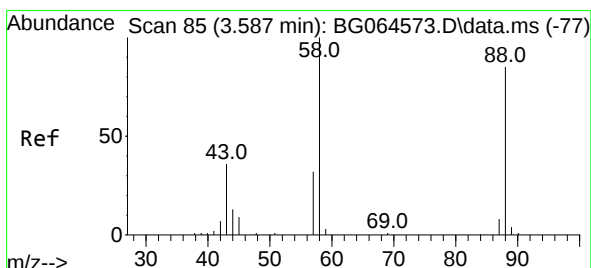
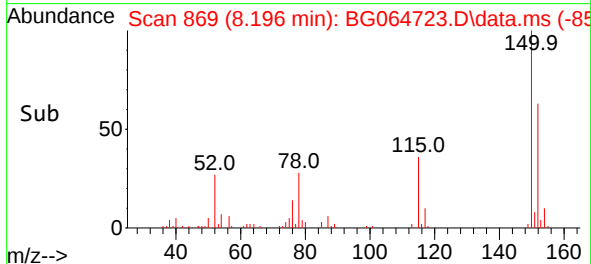
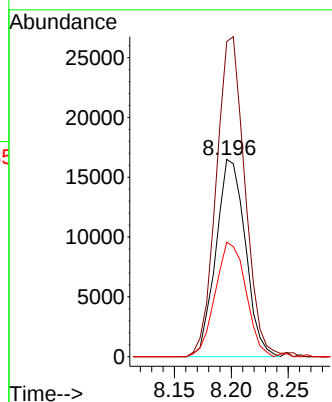
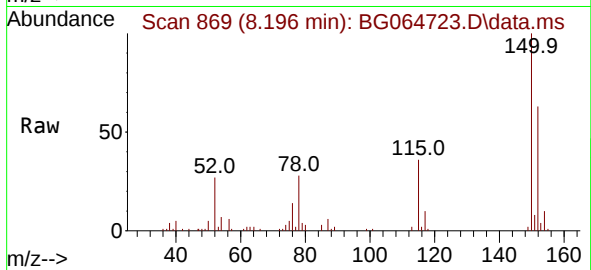




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.196 min Scan# 81
 Delta R.T. -0.027 min
 Lab File: BG064723.D
 Acq: 7 Nov 2025 19:37

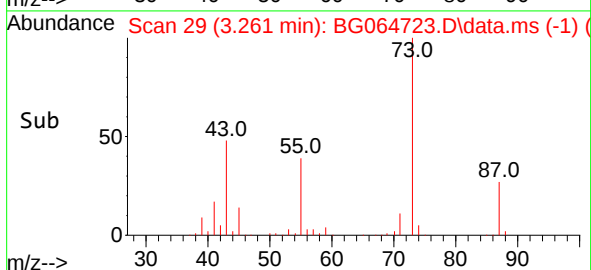
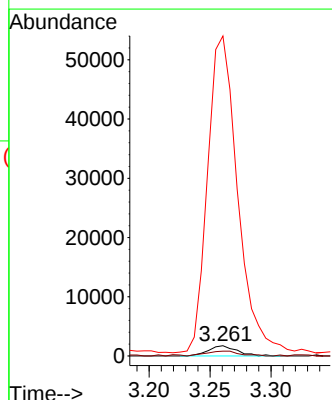
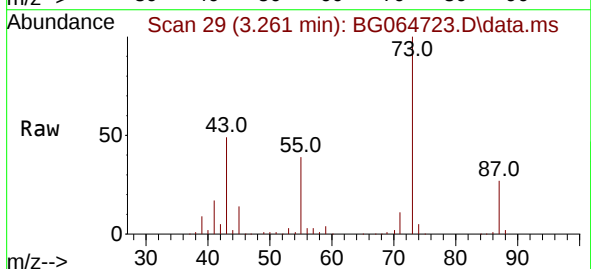
Instrument :
 BNA_G
 ClientSampleId :
 346

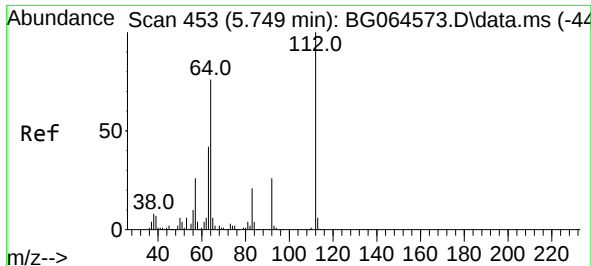
Tgt Ion:152 Resp: 29688
 Ion Ratio Lower Upper
 152 100
 150 159.8 122.2 183.4
 115 58.1 50.8 76.2



#2
 1,4-Dioxane
 Concen: 3.591 ng
 RT: 3.261 min Scan# 29
 Delta R.T. -0.327 min
 Lab File: BG064723.D
 Acq: 7 Nov 2025 19:37

Tgt Ion: 88 Resp: 2812
 Ion Ratio Lower Upper
 88 100
 58 55.7 92.4 138.6#
 43 3275.4 33.0 49.6#

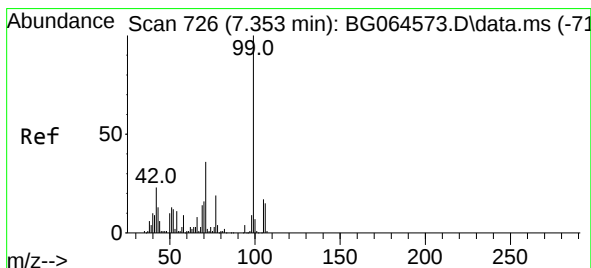
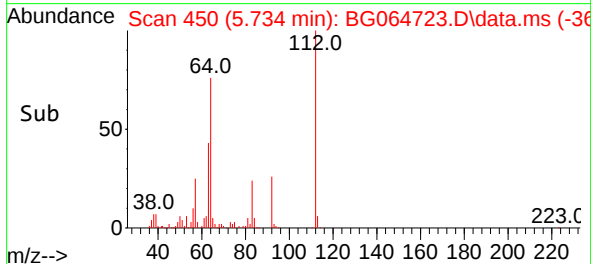
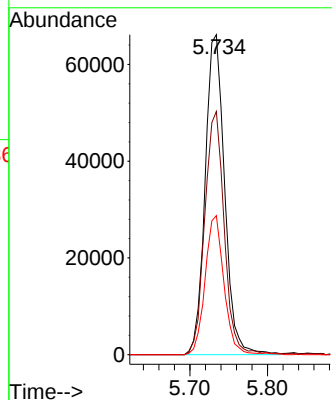
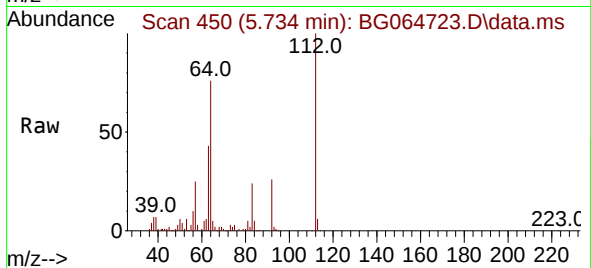




#5
2-Fluorophenol
Concen: 65.354 ng
RT: 5.734 min Scan# 411
Delta R.T. -0.015 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

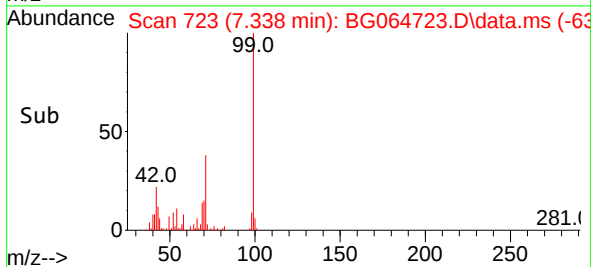
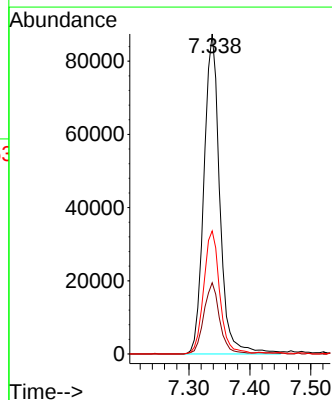
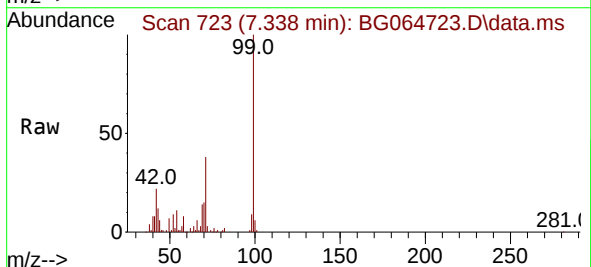
Instrument :
BNA_G
ClientSampleId :
346

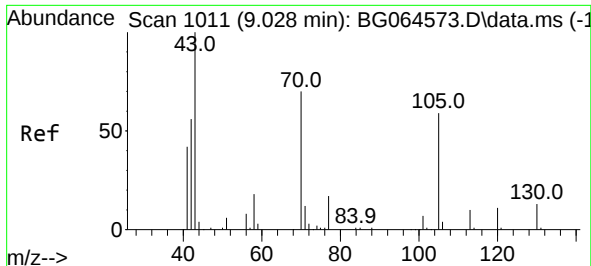
Tgt Ion:112 Resp: 115594
Ion Ratio Lower Upper
112 100
64 76.0 60.7 91.1
63 43.5 33.4 50.0



#7
Phenol-d6
Concen: 65.277 ng
RT: 7.338 min Scan# 723
Delta R.T. -0.015 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion: 99 Resp: 158431
Ion Ratio Lower Upper
99 100
42 22.3 18.3 27.5
71 38.4 28.6 43.0

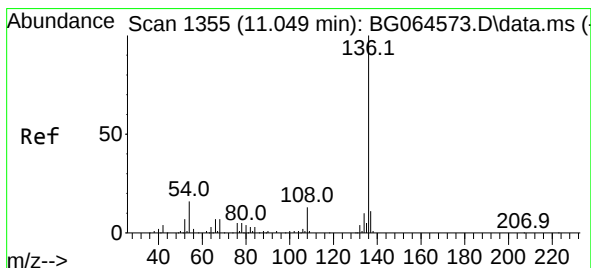
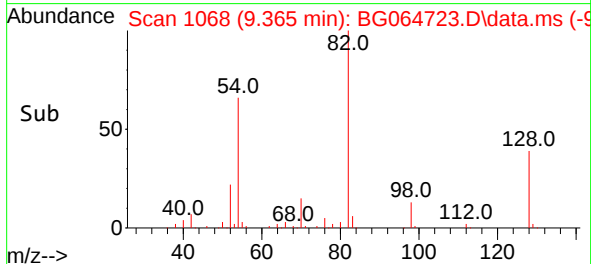
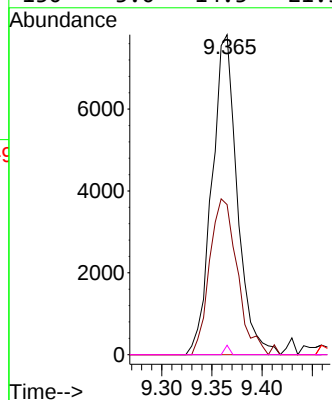
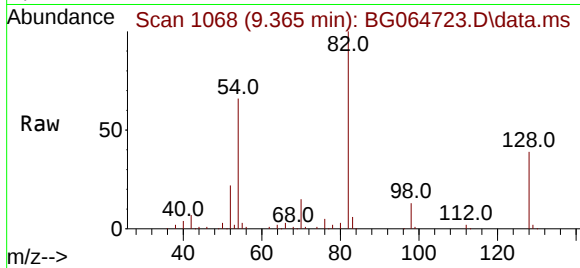




#19
n-Nitroso-di-n-propylamine
Concen: 8.158 ng
RT: 9.365 min Scan# 1068
Delta R.T. 0.337 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

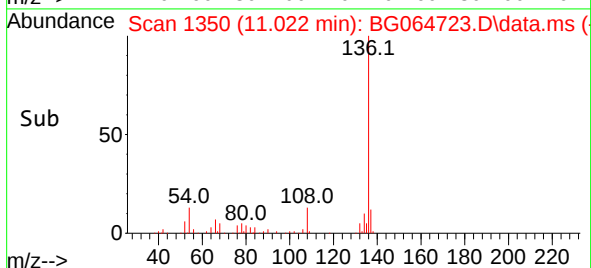
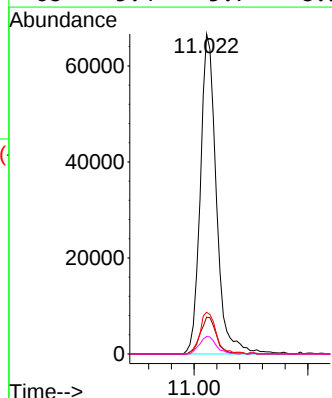
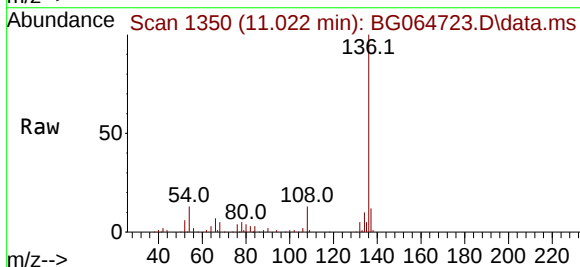
Instrument :
BNA_G
ClientSampleId :
346

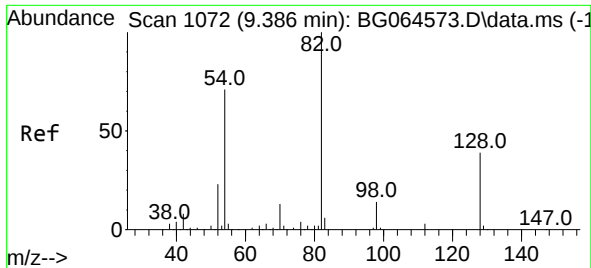
Tgt Ion: 70 Resp: 13683
Ion Ratio Lower Upper
70 100
42 46.9 65.2 97.8#
101 0.0 7.9 11.9#
130 3.0 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.022 min Scan# 1350
Delta R.T. -0.027 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion:136 Resp: 130505
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 13.1 12.6 19.0
68 5.4 5.7 8.5#

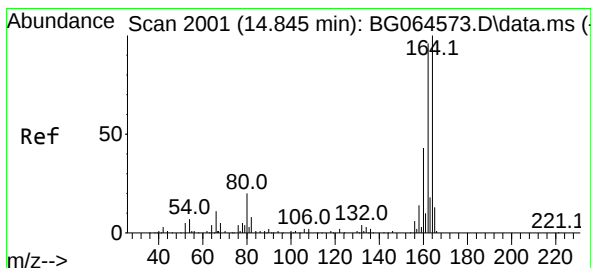
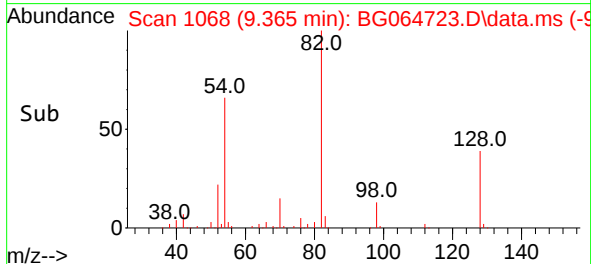
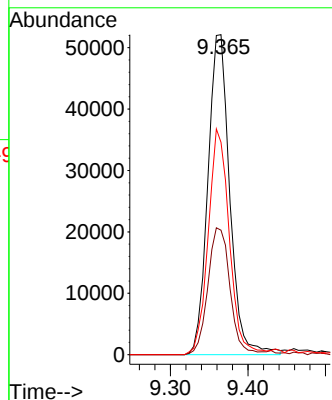
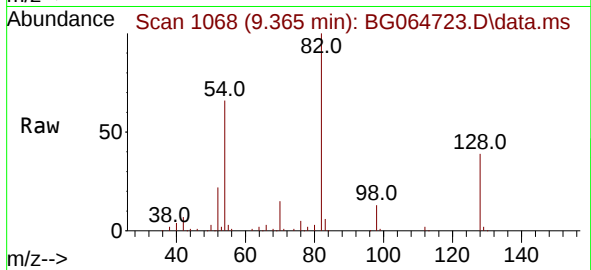




#23
Nitrobenzene-d5
Concen: 46.978 ng
RT: 9.365 min Scan# 1072
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

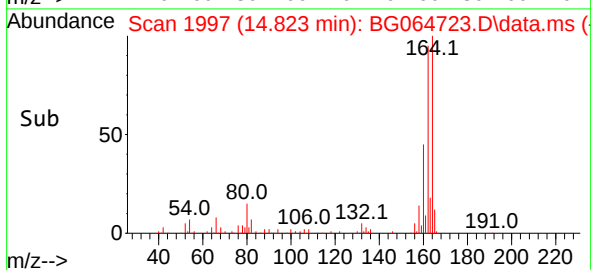
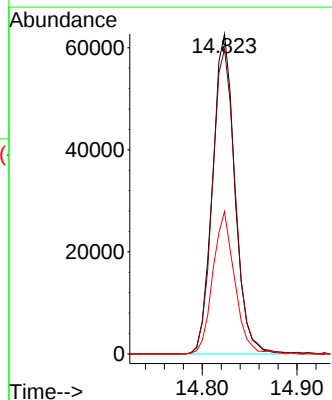
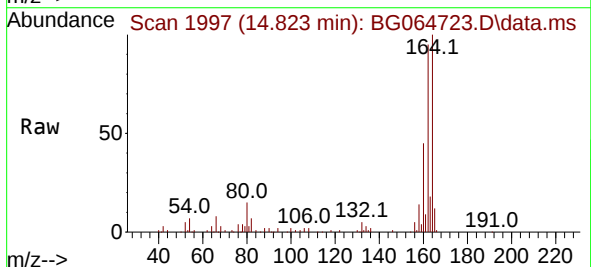
Instrument :
BNA_G
ClientSampleId :
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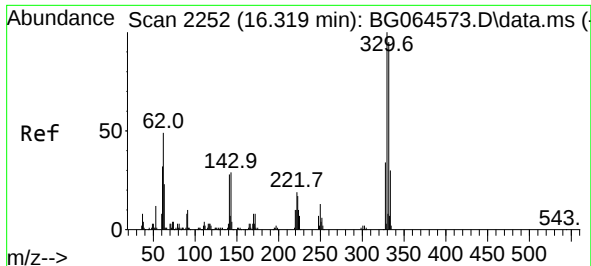
Tgt Ion: 82 Resp: 102075
Ion Ratio Lower Upper
82 100
128 38.9 31.3 46.9
54 66.3 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.823 min Scan# 1997
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion: 164 Resp: 102239
Ion Ratio Lower Upper
164 100
162 95.3 77.0 115.6
160 44.5 34.4 51.6

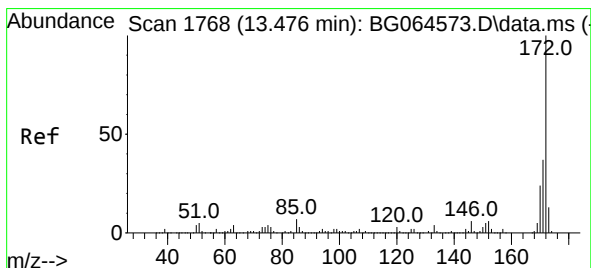
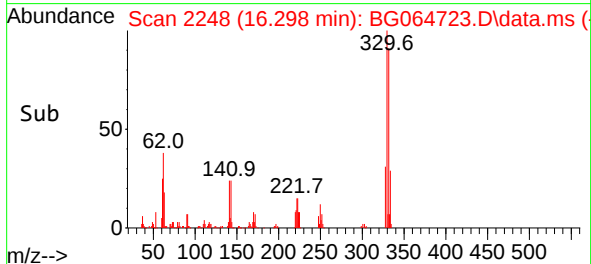
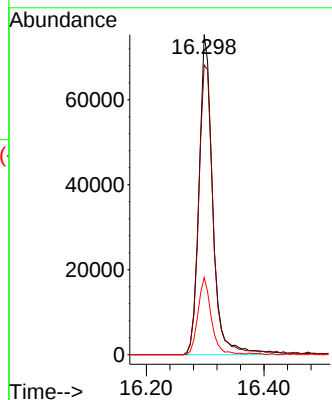
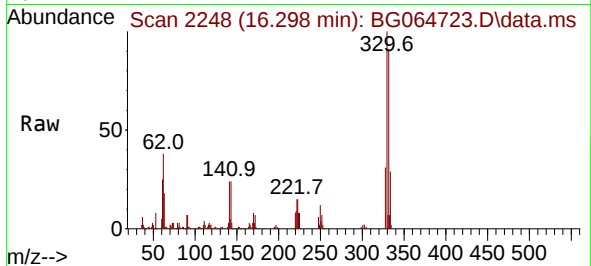




#42
2,4,6-Tribromophenol
Concen: 82.795 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

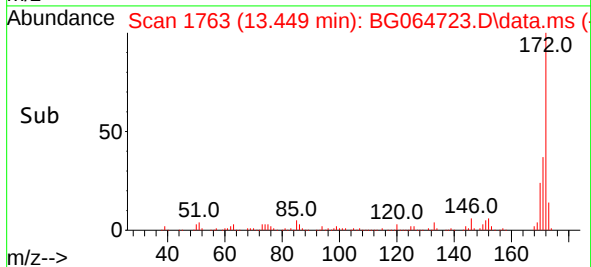
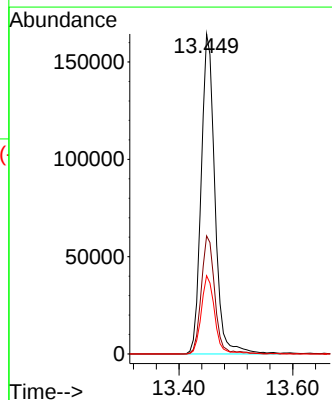
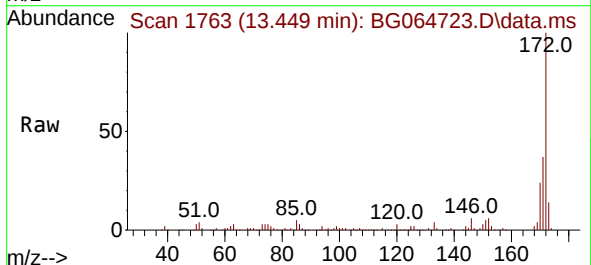
Instrument :
BNA_G
ClientSampleId :
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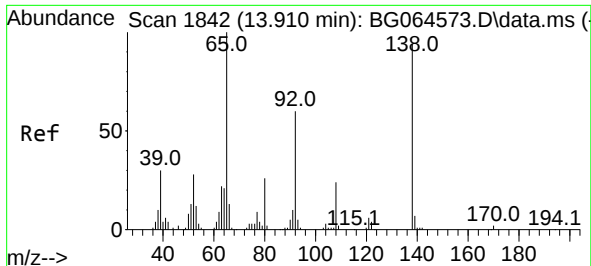
Tgt Ion:330 Resp: 122173
Ion Ratio Lower Upper
330 100
332 95.1 78.0 117.0
141 23.2 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 40.879 ng
RT: 13.449 min Scan# 1763
Delta R.T. -0.027 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion:172 Resp: 275736
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.5 19.1 28.7

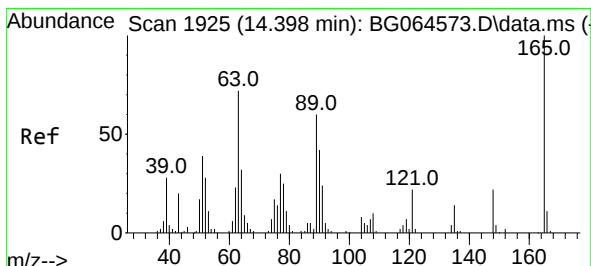
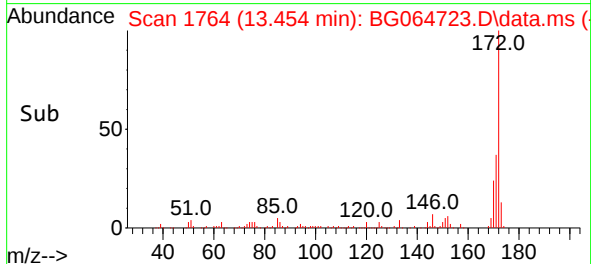
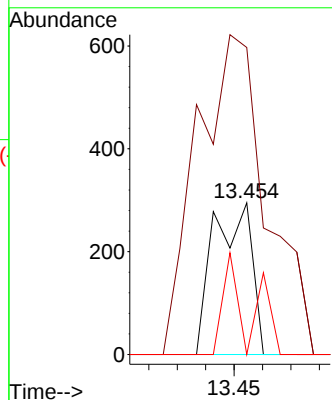
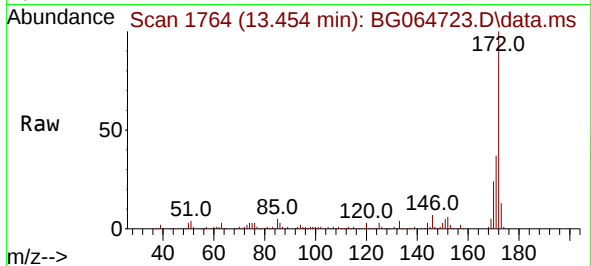




#48
2-Nitroaniline
Concen: 3.364 ng
RT: 13.454 min Scan# 11
Delta R.T. -0.456 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

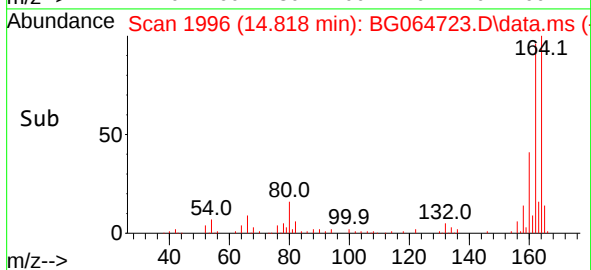
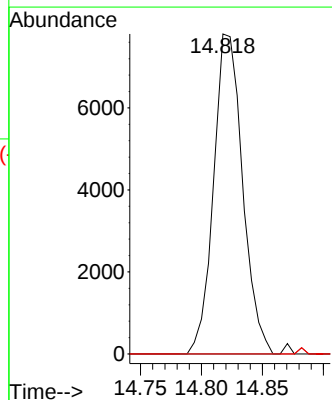
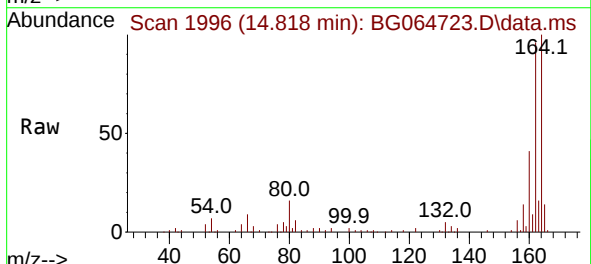
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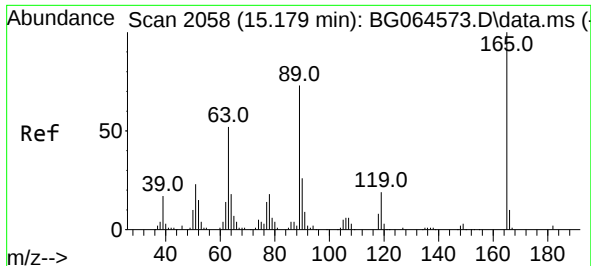
Tgt Ion: 65 Resp: 275
Ion Ratio Lower Upper
65 100
92 202.4 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.535 ng
RT: 14.818 min Scan# 1996
Delta R.T. 0.420 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

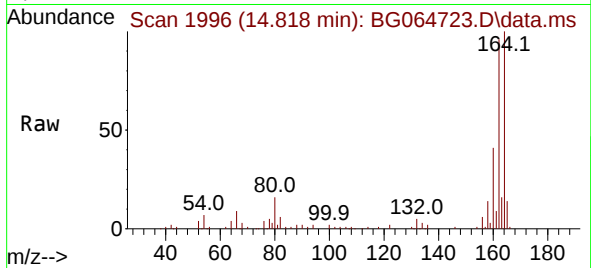
Tgt Ion:165 Resp: 12918
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



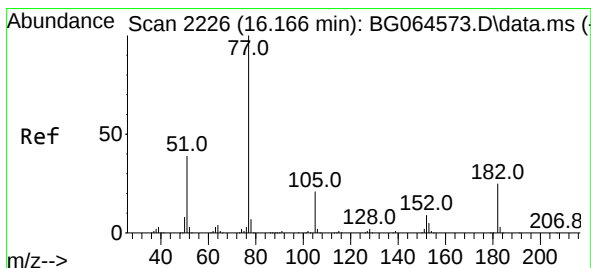
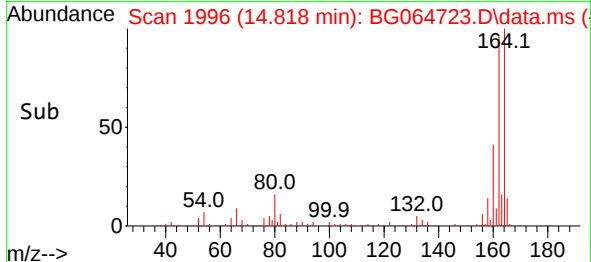
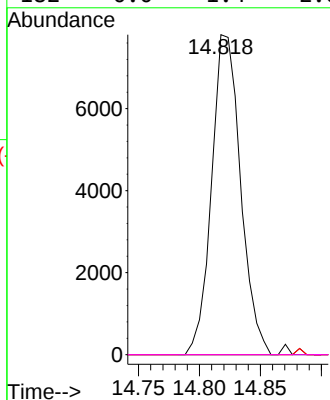


#57
2,4-Dinitrotoluene
Concen: 9.112 ng
RT: 14.818 min Scan# 1996
Delta R.T. -0.361 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Instrument :
BNA_G
ClientSampleId :
346

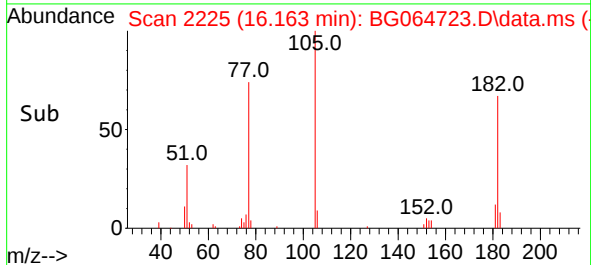
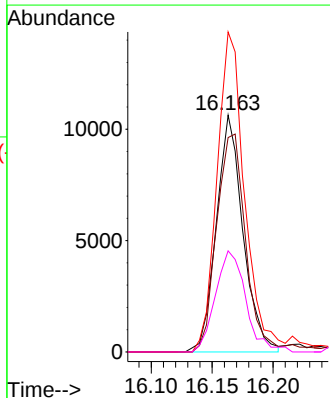
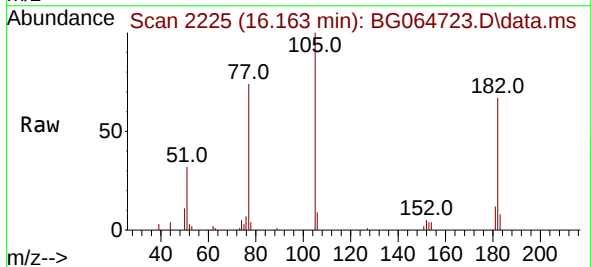


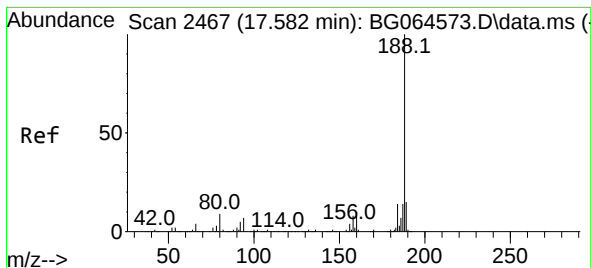
Tgt Ion:165 Resp: 12918
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 2.213 ng
RT: 16.163 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion: 77 Resp: 16217
Ion Ratio Lower Upper
77 100
182 90.5 4.9 44.9#
105 135.1 1.3 41.3#
51 42.7 19.0 59.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.561 min Scan# 24

Delta R.T. -0.021 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

Instrument :

BNA_G

ClientSampleId :

346

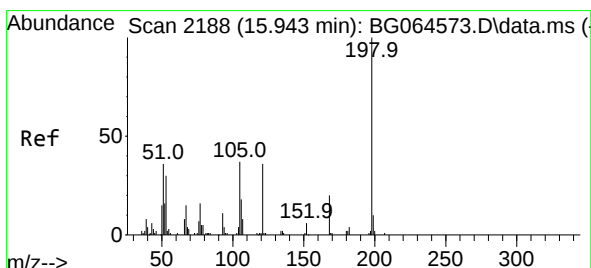
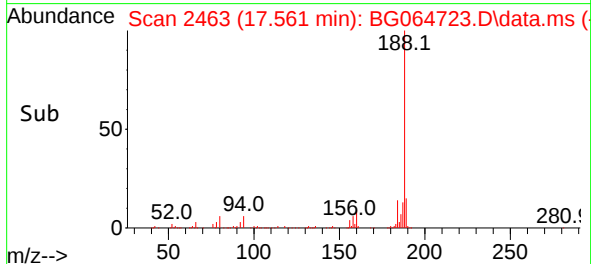
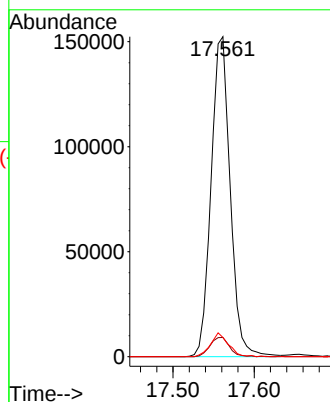
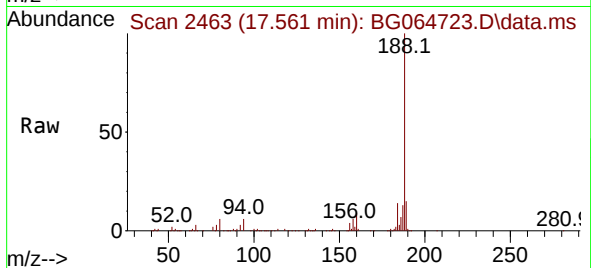
Tgt Ion:188 Resp: 248807

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

80 6.0 6.8 10.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.485 ng

RT: 16.281 min Scan# 2245

Delta R.T. 0.338 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

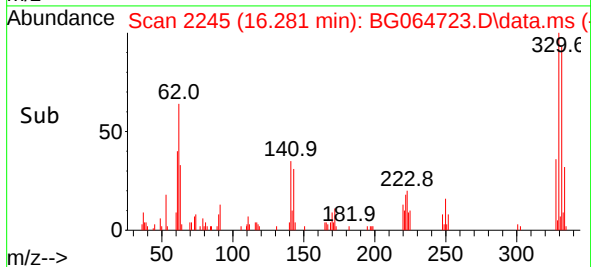
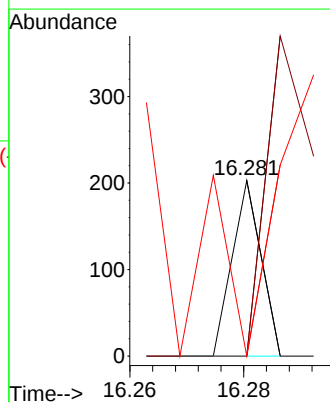
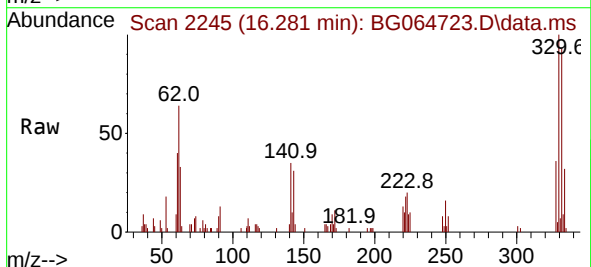
Tgt Ion:198 Resp: 72

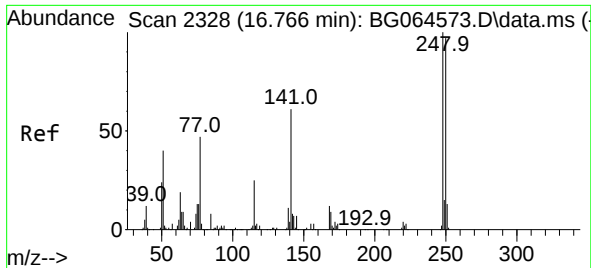
Ion Ratio Lower Upper

198 100

51 0.0 24.7 64.7#

105 0.0 18.0 58.0#

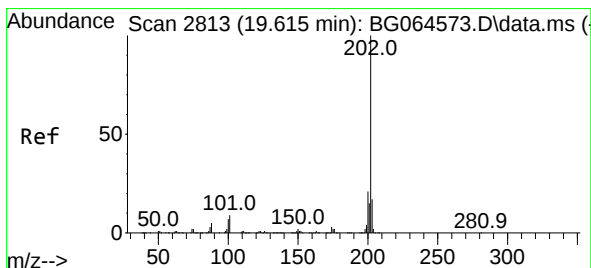
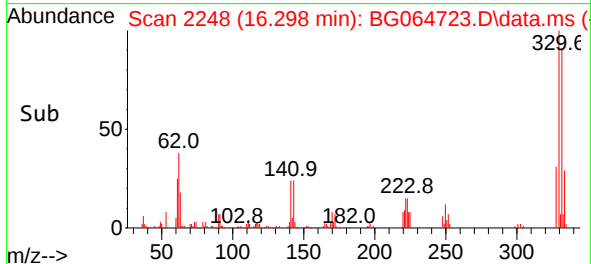
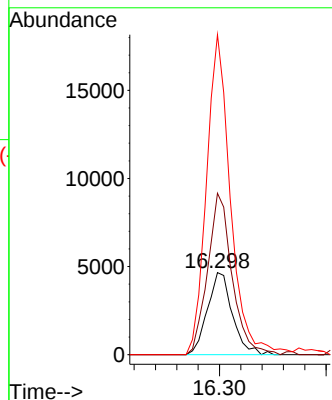
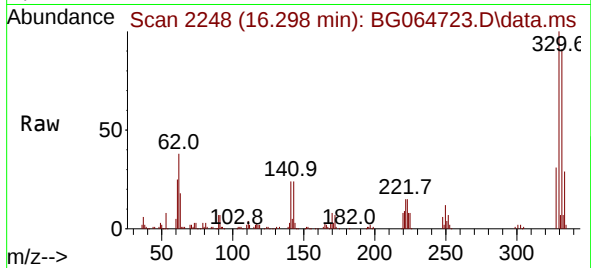




#67
4-Bromophenyl-phenylether
Concen: 2.566 ng
RT: 16.298 min Scan# 211
Delta R.T. -0.468 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

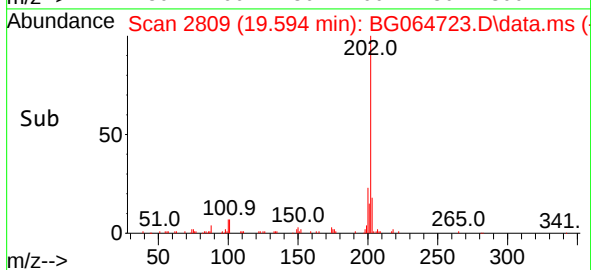
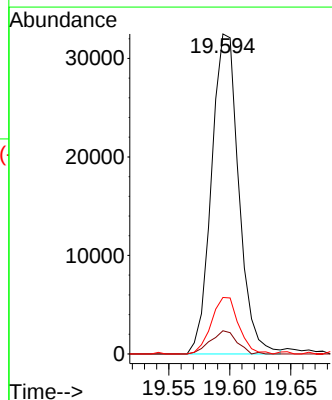
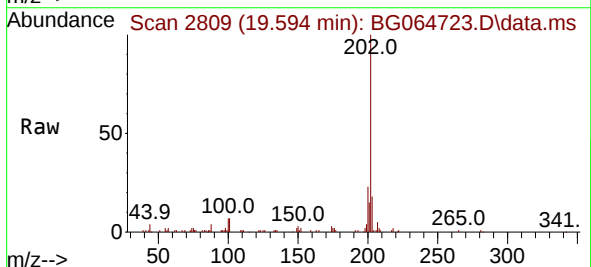
Instrument :
BNA_G
ClientSampleId :
346

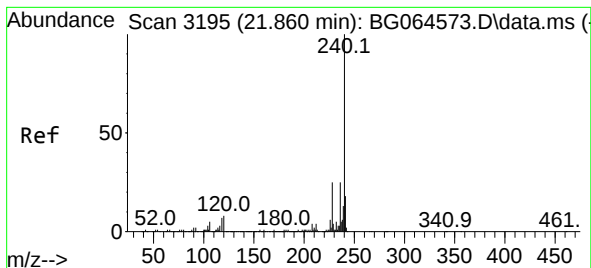
Tgt Ion:248 Resp: 7566
Ion Ratio Lower Upper
248 100
250 199.7 77.7 116.5#
141 305.9 48.6 72.8#



#75
Fluoranthene
Concen: 2.966 ng
RT: 19.594 min Scan# 2809
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion:202 Resp: 50552
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.7
203 17.6 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.827 min Scan# 31

Delta R.T. -0.033 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

Instrument :

BNA_G

ClientSampleId :

346

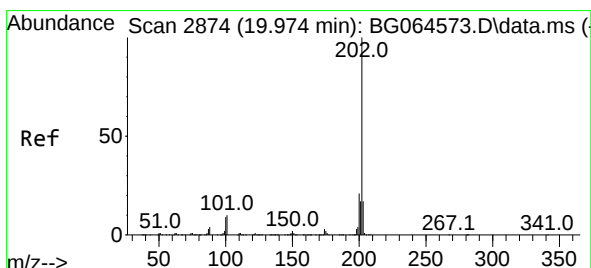
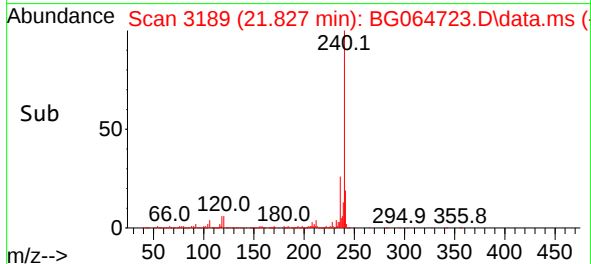
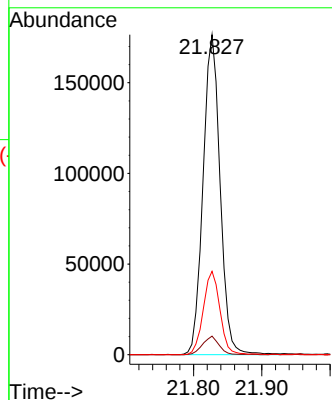
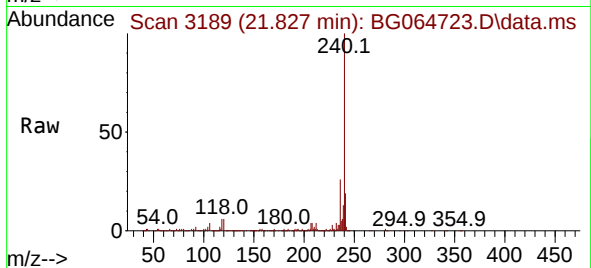
Tgt Ion:240 Resp: 306605

Ion Ratio Lower Upper

240 100

120 5.8 6.5 9.7#

236 26.1 20.2 30.2



#78

Pyrene

Concen: 2.241 ng

RT: 19.959 min Scan# 2871

Delta R.T. -0.015 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

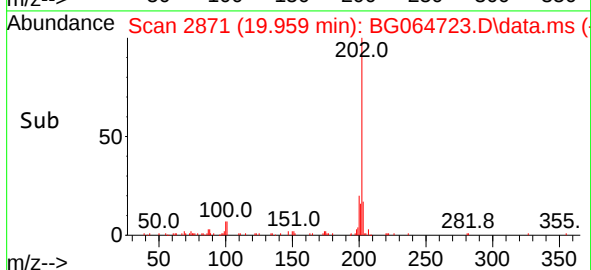
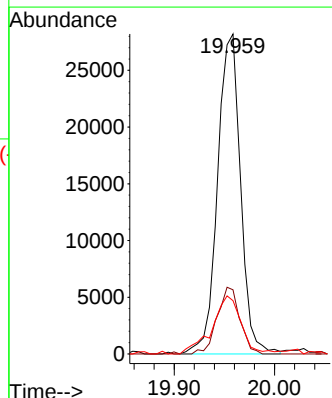
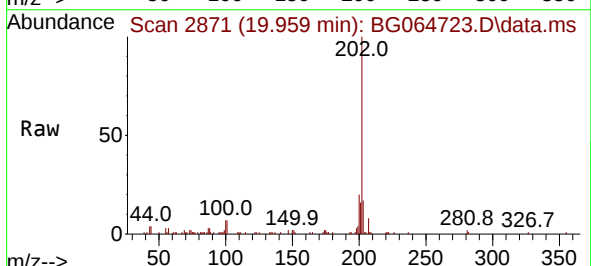
Tgt Ion:202 Resp: 44882

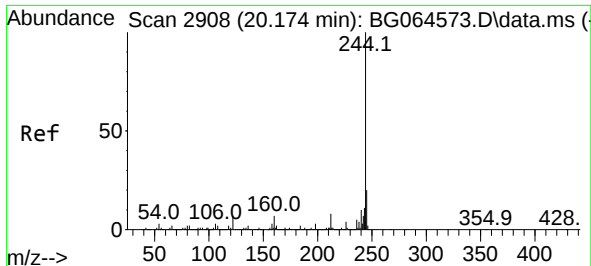
Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.4

203 16.7 13.8 20.6

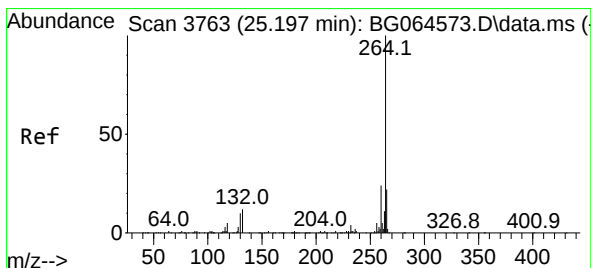
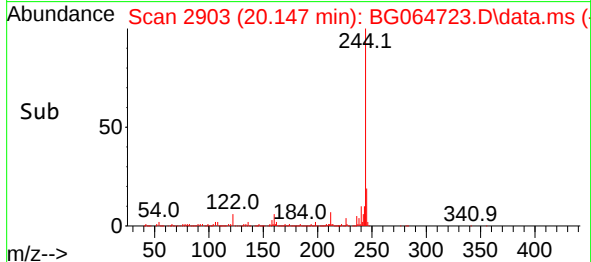
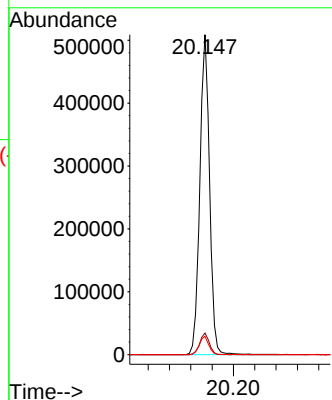
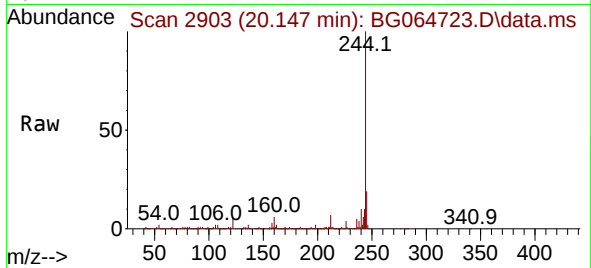




#79
 Terphenyl-d14
 Concen: 39.651 ng
 RT: 20.147 min Scan# 24
 Delta R.T. -0.027 min
 Lab File: BG064723.D
 Acq: 7 Nov 2025 19:37

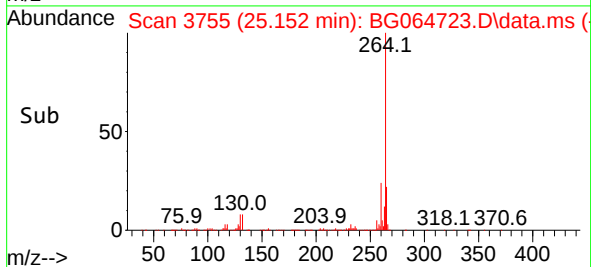
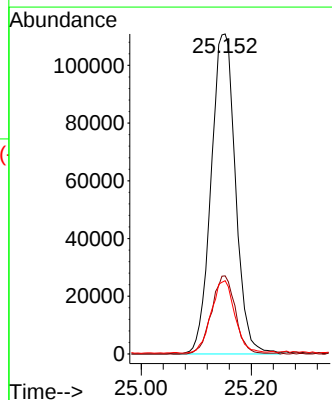
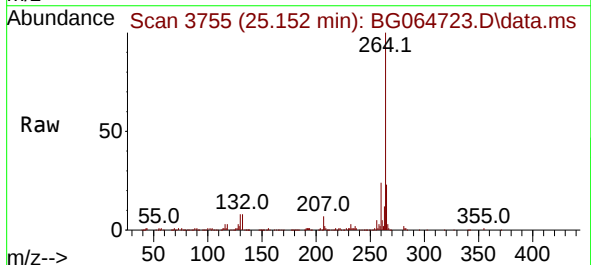
Instrument :
 BNA_G
 ClientSampleId :
 346

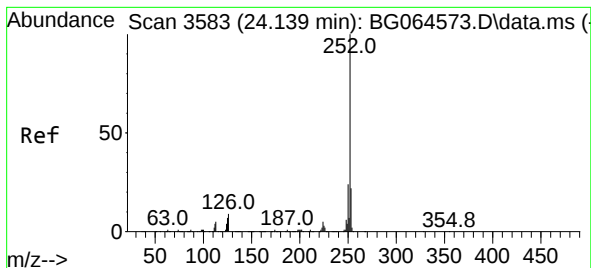
Tgt Ion:244 Resp: 644203
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 5.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.152 min Scan# 3755
 Delta R.T. -0.045 min
 Lab File: BG064723.D
 Acq: 7 Nov 2025 19:37

Tgt Ion:264 Resp: 341118
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 22.9 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 2.179 ng

RT: 24.095 min Scan# 3

Delta R.T. -0.045 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

Instrument :

BNA_G

ClientSampleId :

346

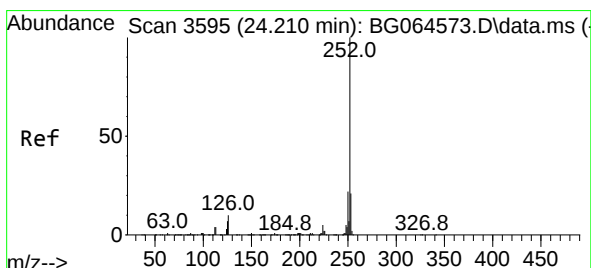
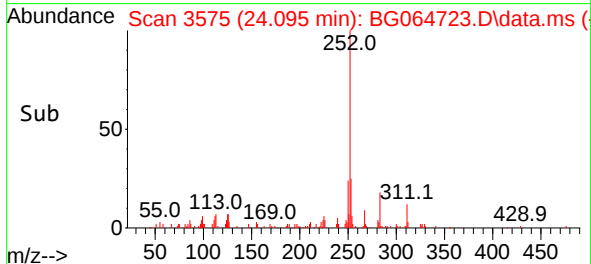
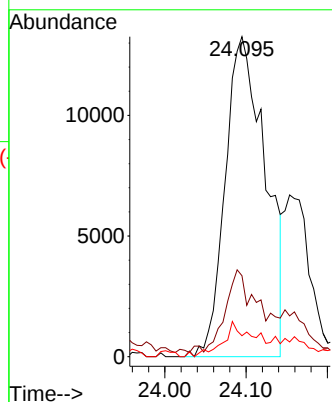
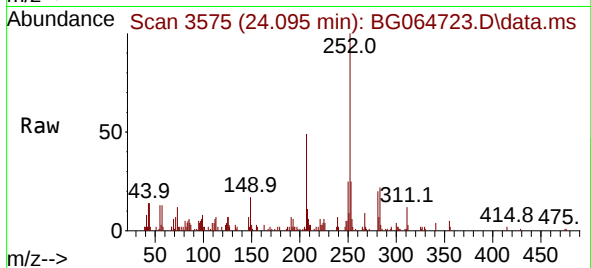
Tgt Ion:252 Resp: 45572

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 6.6 5.6 8.4



#89

Benzo(k)fluoranthene

Concen: 2.177 ng

RT: 24.095 min Scan# 3575

Delta R.T. -0.115 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

Tgt Ion:252 Resp: 45572

Ion Ratio Lower Upper

252 100

253 25.3 16.8 25.2#

125 6.6 5.4 8.0

