

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064604.D
 Acq On : 28 Oct 2025 16:32
 Operator : RC/JU
 Sample : Q3452-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JB-1

Quant Time: Oct 28 17:12:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

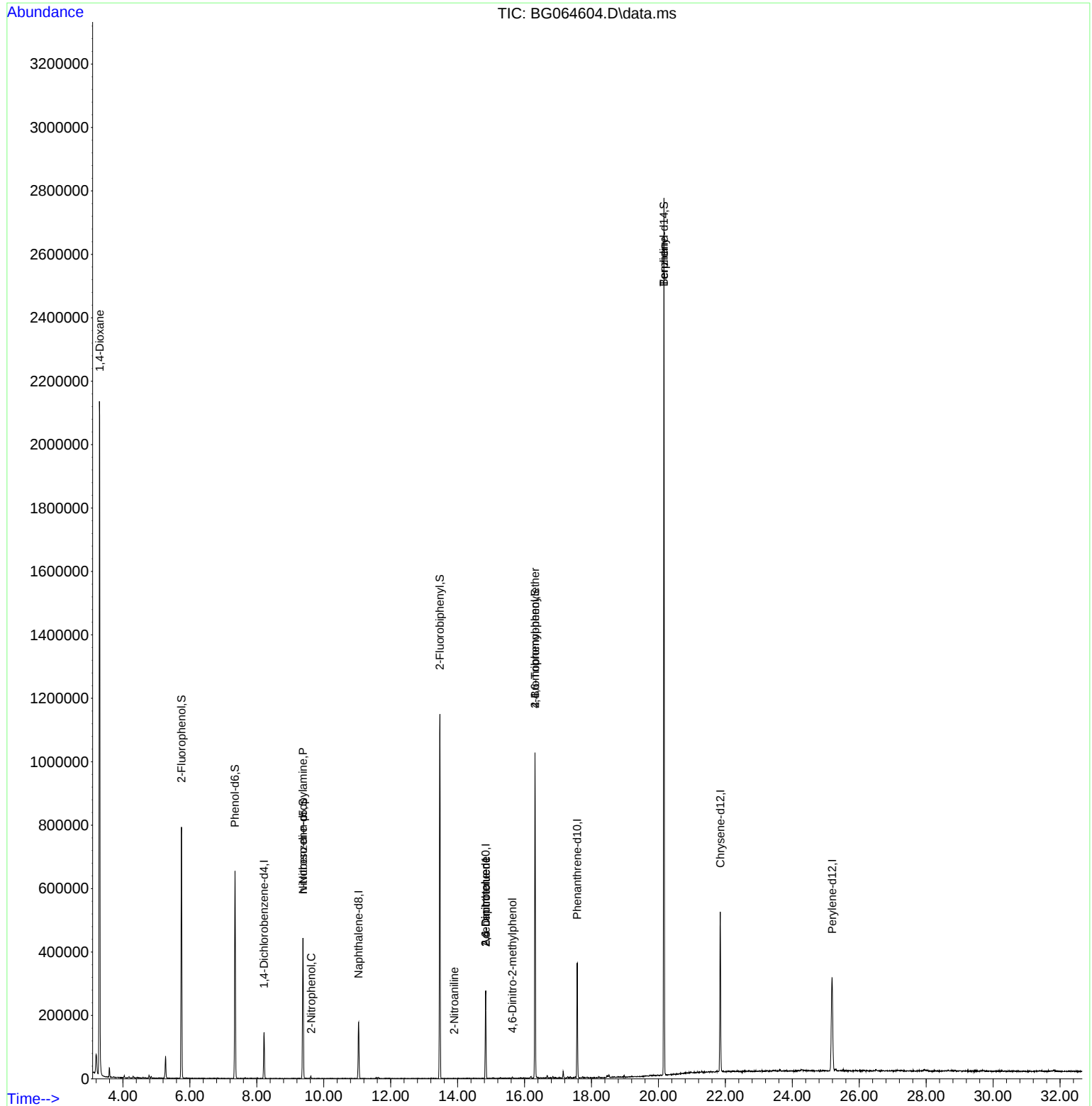
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	39136	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	141814	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	101209	20.000	ng	0.00
64) Phenanthrene-d10	17.570	188	240170	20.000	ng	# 0.00
76) Chrysene-d12	21.848	240	330374	20.000	ng	-0.02
86) Perylene-d12	25.191	264	347463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	302634	129.796	ng	0.00
7) Phenol-d6	7.347	99	335585	104.888	ng	0.00
23) Nitrobenzene-d5	9.380	82	240436	101.832	ng	0.00
42) 2,4,6-Tribromophenol	16.313	330	210223	143.914	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	589388	88.269	ng	0.00
79) Terphenyl-d14	20.167	244	1417711	80.983	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.305	88	16691	16.169	ng	# 1
19) n-Nitroso-di-n-propyla...	9.380	70	31262	14.138	ng	# 76
26) 2-Nitrophenol	9.627	139	60	3.187	ng	# 29
48) 2-Nitroaniline	13.904	65	73	3.262	ng	# 10
51) 2,6-Dinitrotoluene	14.838	165	12913	12.626	ng	# 18
57) 2,4-Dinitrotoluene	14.838	165	12913	9.171	ng	# 21
65) 4,6-Dinitro-2-methylph...	15.637	198	71	5.486	ng	# 34
67) 4-Bromophenyl-phenylether	16.313	248	13712	4.818	ng	# 1
77) Benzidine	20.167	184	22144	2.992	ng	# 94

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

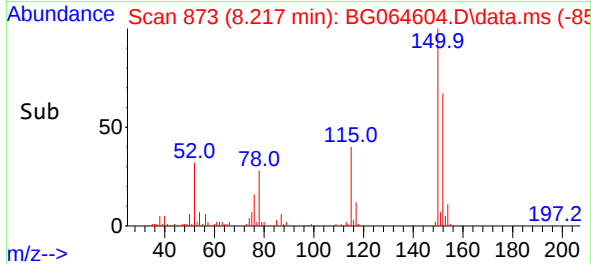
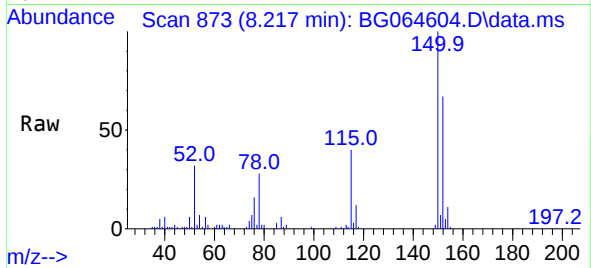
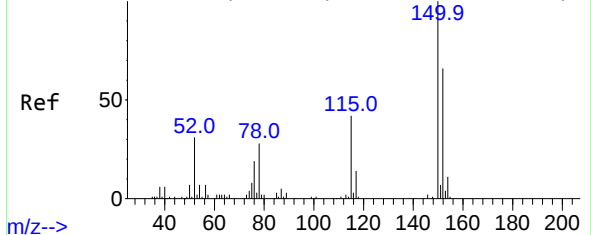
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064604.D
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Quant Time: Oct 28 17:12:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.217 min Scan# 81

Delta R.T. -0.004 min

Lab File: BG064604.D

Acq: 28 Oct 2025 16:32

Instrument :

BNA_G

ClientSampleId :

JB-1

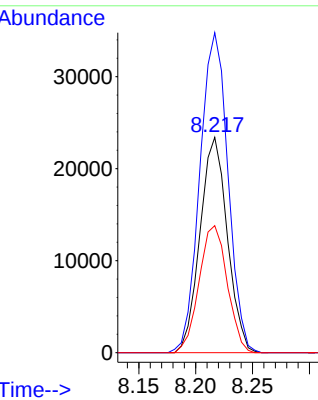
Tgt Ion:152 Resp: 39136

Ion Ratio Lower Upper

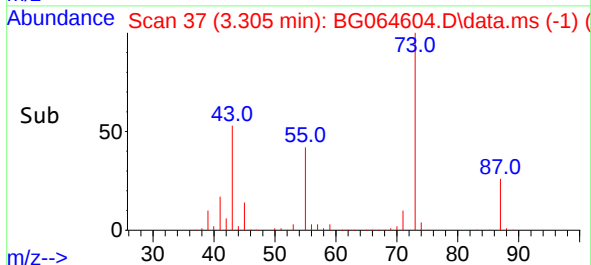
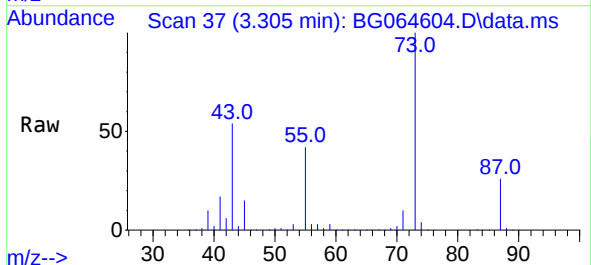
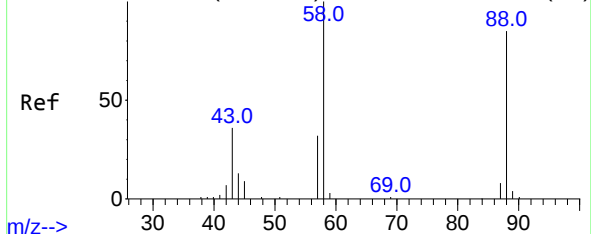
152 100

150 148.5 122.2 183.4

115 59.0 50.8 76.2



Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



#2

1,4-Dioxane

Concen: 16.169 ng

RT: 3.305 min Scan# 37

Delta R.T. -0.286 min

Lab File: BG064604.D

Acq: 28 Oct 2025 16:32

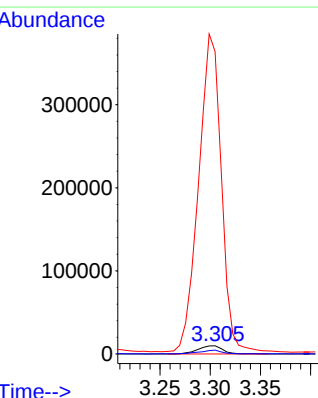
Tgt Ion: 88 Resp: 16691

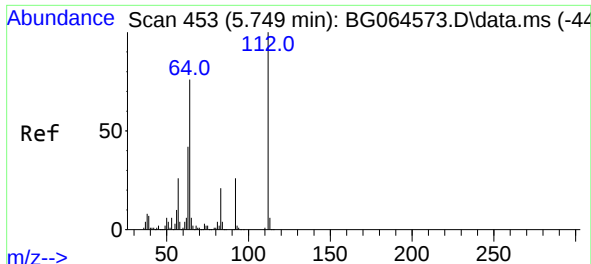
Ion Ratio Lower Upper

88 100

58 41.2 92.4 138.6#

43 3619.6 33.0 49.6#

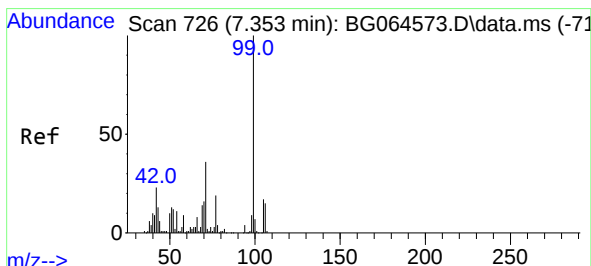
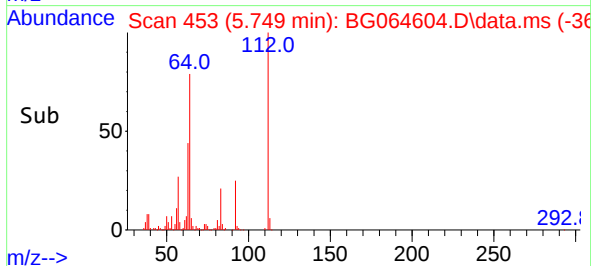
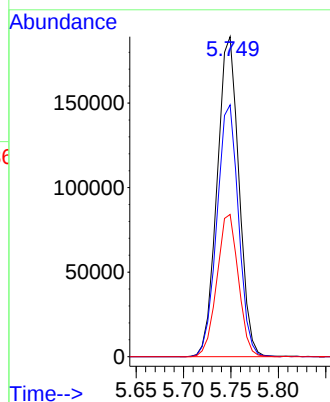
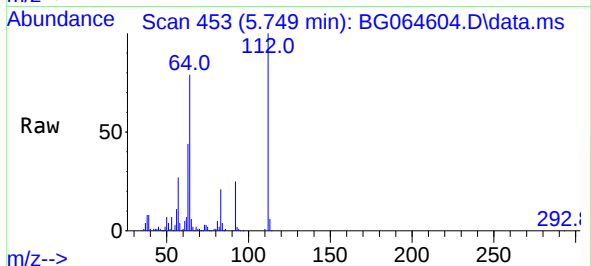




#5
2-Fluorophenol
Concen: 129.796 ng
RT: 5.749 min Scan# 411
Delta R.T. 0.002 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

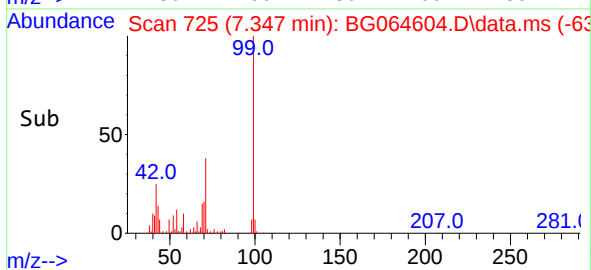
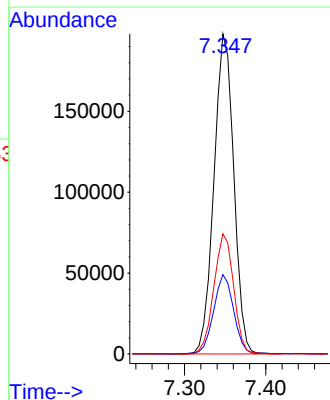
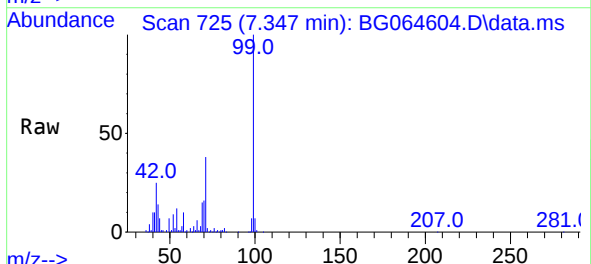
Instrument :
BNA_G
ClientSampleId :
JB-1

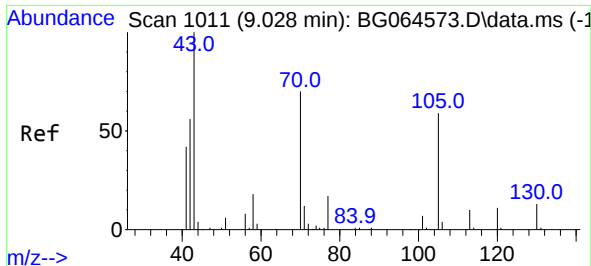
Tgt Ion:112 Resp: 302634
Ion Ratio Lower Upper
112 100
64 78.7 60.7 91.1
63 44.5 33.4 50.0



#7
Phenol-d6
Concen: 104.888 ng
RT: 7.347 min Scan# 725
Delta R.T. -0.010 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion: 99 Resp: 335585
Ion Ratio Lower Upper
99 100
42 24.8 18.3 27.5
71 37.5 28.6 43.0

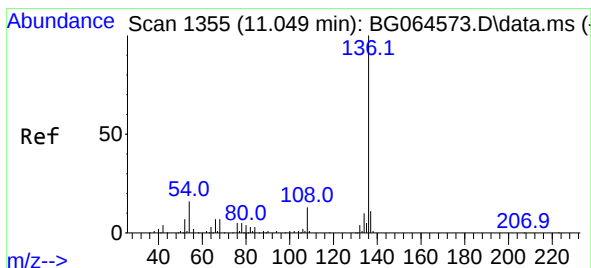
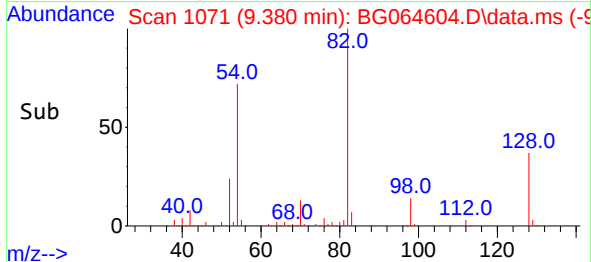
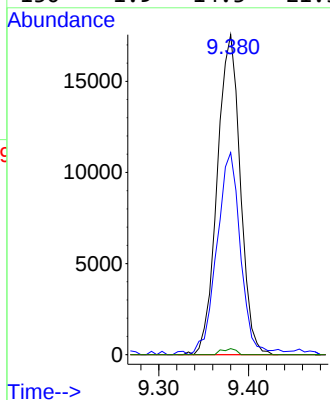
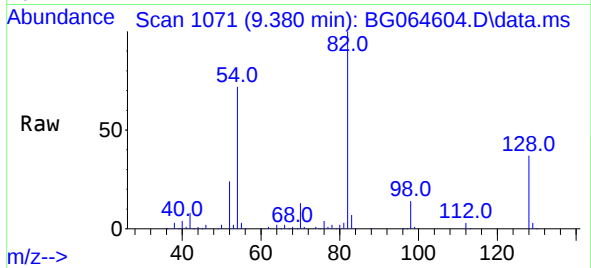




#19
n-Nitroso-di-n-propylamine
Concen: 14.138 ng
RT: 9.380 min Scan# 1011
Delta R.T. 0.349 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

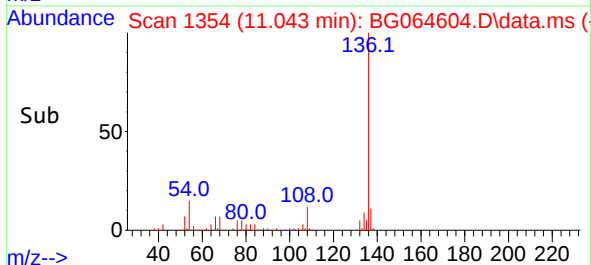
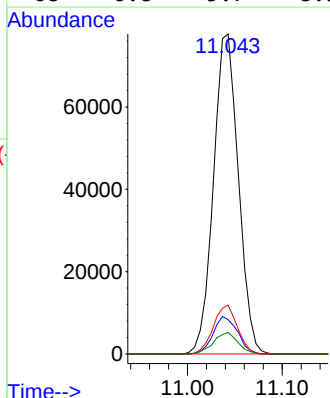
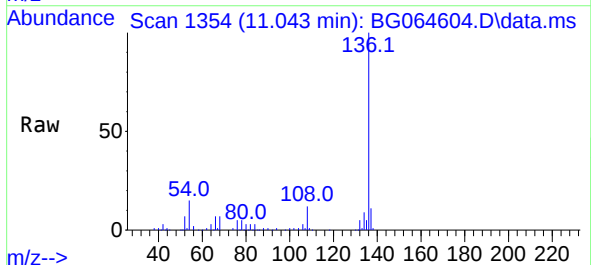
Instrument :
BNA_G
ClientSampleId :
JB-1

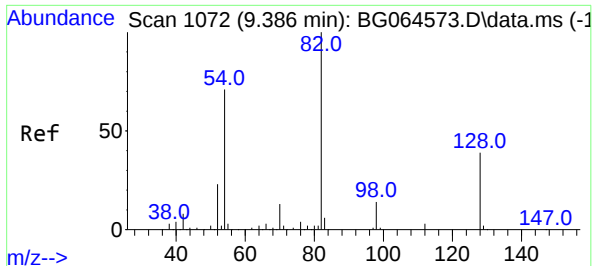
Tgt Ion: 70 Resp: 31262
Ion Ratio Lower Upper
70 100
42 63.2 65.2 97.8#
101 0.0 7.9 11.9#
130 1.9 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.010 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion:136 Resp: 141814
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 15.3 12.6 19.0
68 6.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 101.832 ng

RT: 9.380 min Scan# 1113

Delta R.T. -0.010 min

Lab File: BG064604.D

Acq: 28 Oct 2025 16:32

Instrument :

BNA_G

ClientSampleId :

JB-1

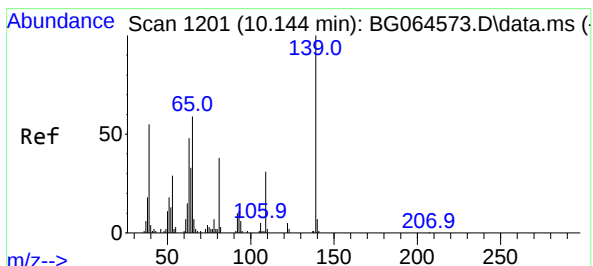
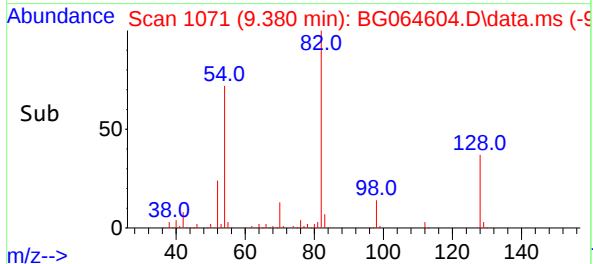
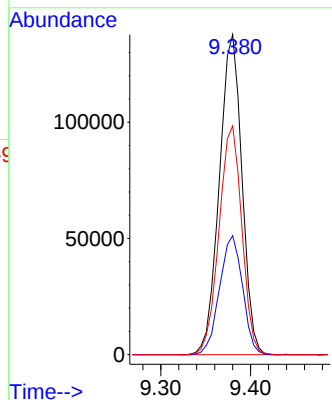
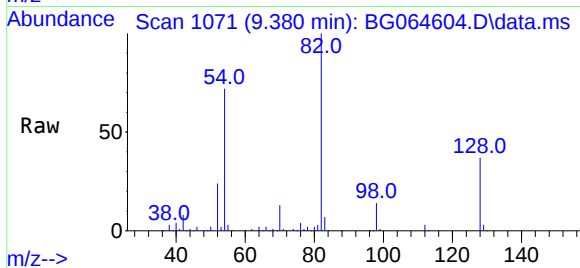
Tgt Ion: 82 Resp: 240436

Ion Ratio Lower Upper

82 100

128 37.2 31.3 46.9

54 71.5 56.6 84.8



#26

2-Nitrophenol

Concen: 3.187 ng

RT: 9.627 min Scan# 1113

Delta R.T. -0.521 min

Lab File: BG064604.D

Acq: 28 Oct 2025 16:32

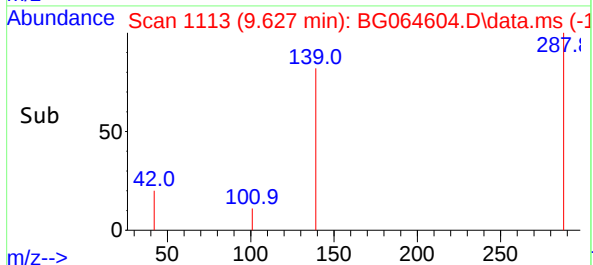
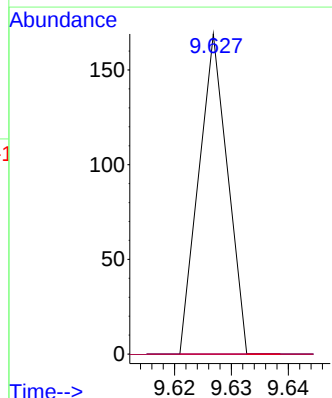
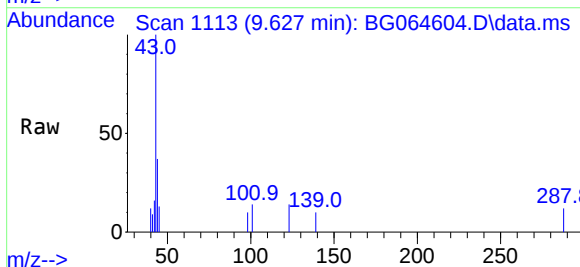
Tgt Ion:139 Resp: 60

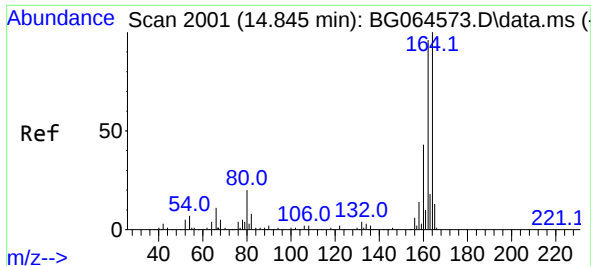
Ion Ratio Lower Upper

139 100

109 0.0 24.6 37.0#

65 0.0 47.5 71.3#

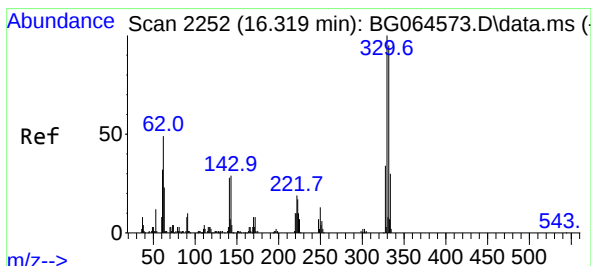
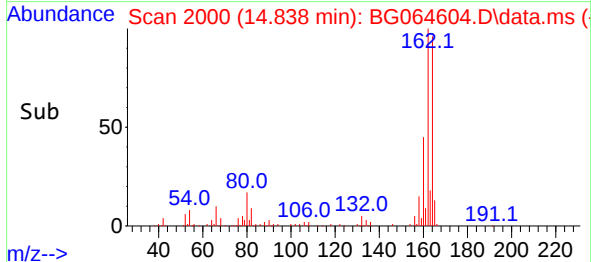
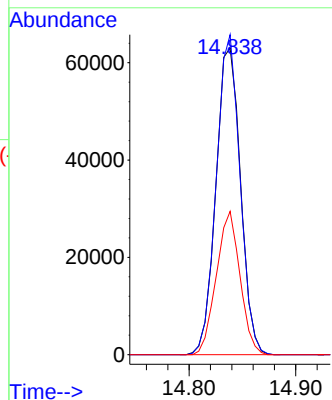
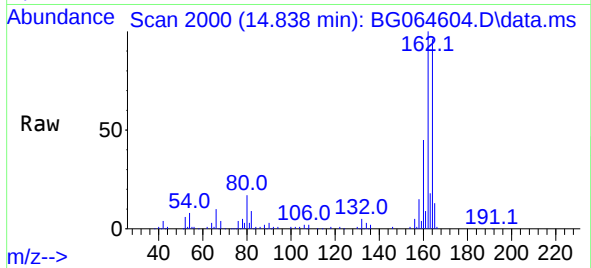




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

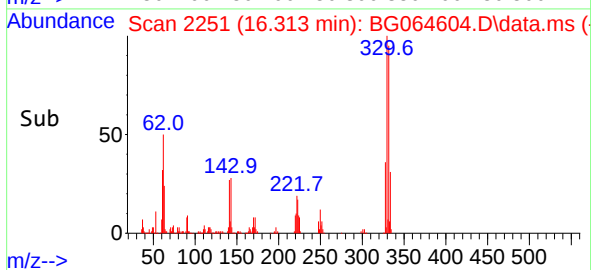
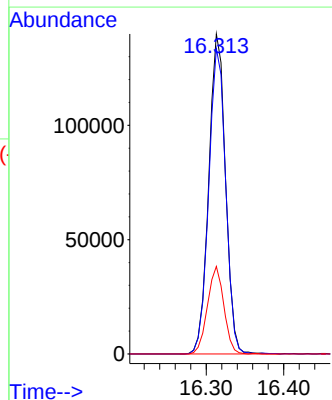
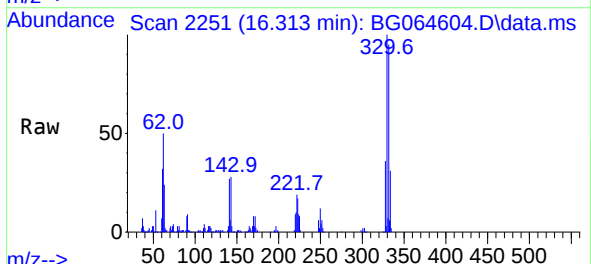
Instrument :
BNA_G
ClientSampleId :
JB-1

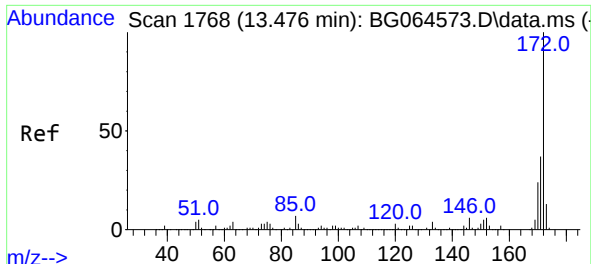
Tgt Ion:164 Resp: 101209
Ion Ratio Lower Upper
164 100
162 104.3 77.0 115.6
160 46.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 143.914 ng
RT: 16.313 min Scan# 2251
Delta R.T. -0.010 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion:330 Resp: 210223
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 26.7 21.8 32.6

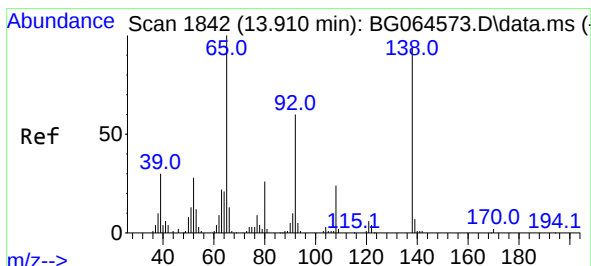
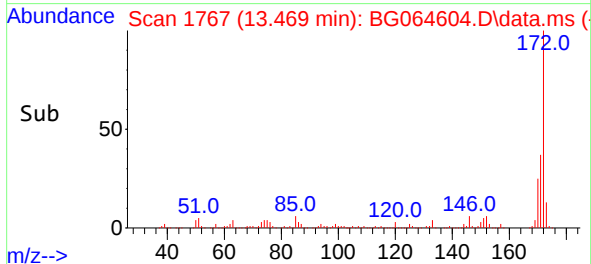
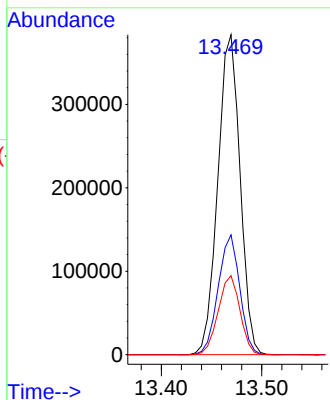
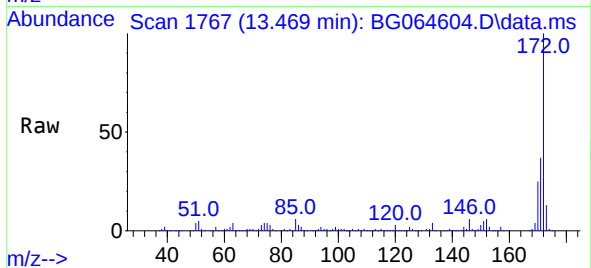




#45
2-Fluorobiphenyl
Concen: 88.269 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

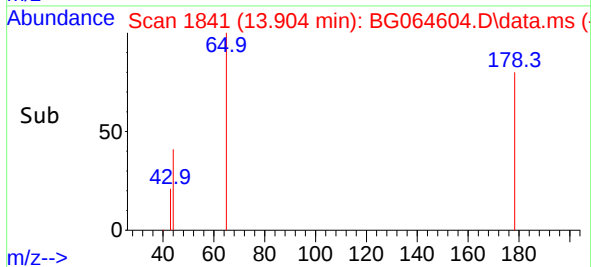
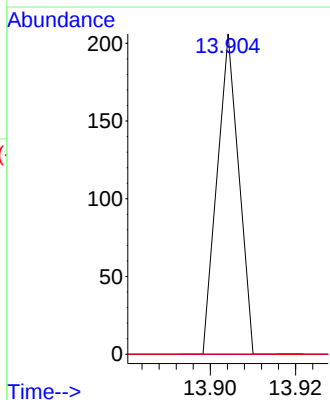
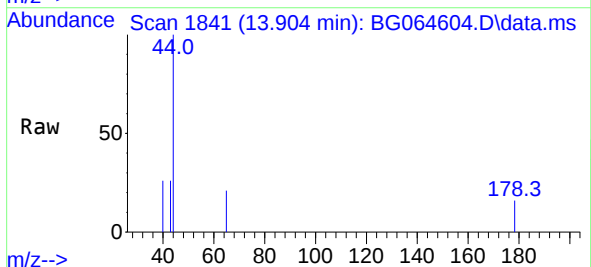
Instrument :
BNA_G
ClientSampleId :
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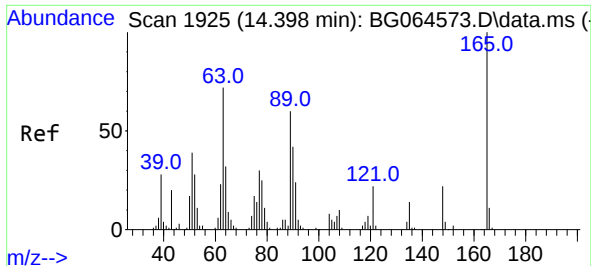
Tgt Ion:172 Resp: 589388
Ion Ratio Lower Upper
172 100
171 37.4 29.4 44.0
170 24.7 19.1 28.7



#48
2-Nitroaniline
Concen: 3.262 ng
RT: 13.904 min Scan# 1841
Delta R.T. -0.010 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion: 65 Resp: 73
Ion Ratio Lower Upper
65 100
92 0.0 48.3 72.5#
138 0.0 74.9 112.3#

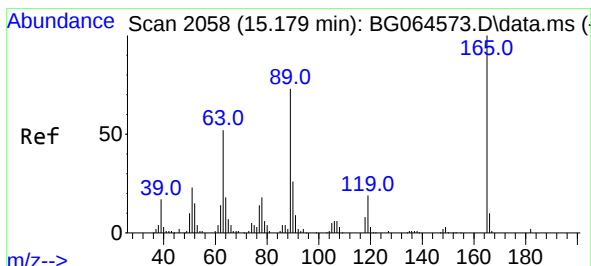
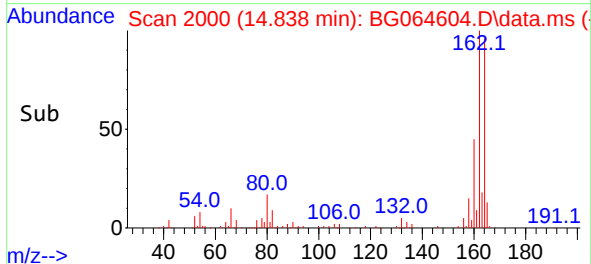
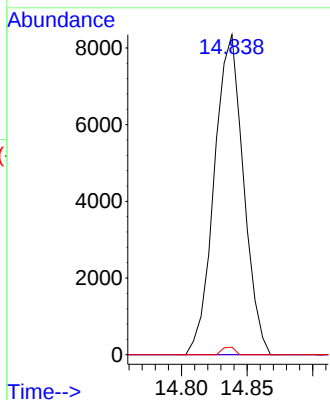
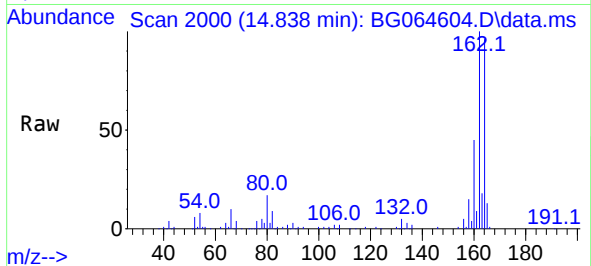




#51
2,6-Dinitrotoluene
Concen: 12.626 ng
RT: 14.838 min Scan# 2000
Delta R.T. 0.436 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

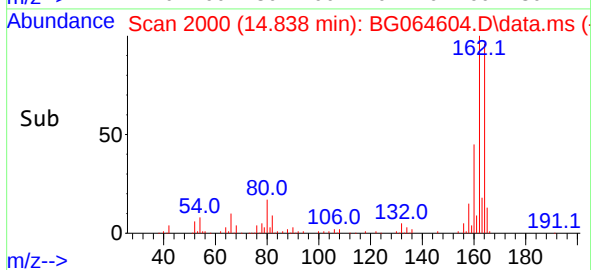
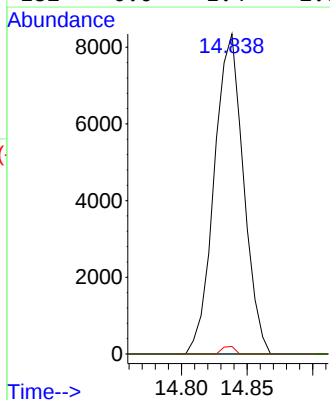
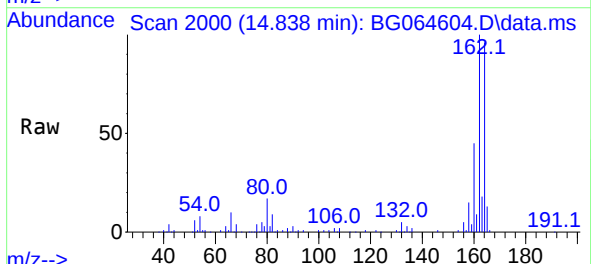
Instrument :
BNA_G
ClientSampleId :
JB-1

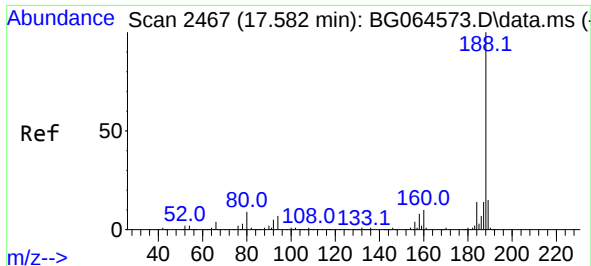
Tgt Ion:165 Resp: 12913
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 2.3 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.171 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.351 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion:165 Resp: 12913
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 2.3 58.1 87.1#
182 0.0 1.4 2.0#

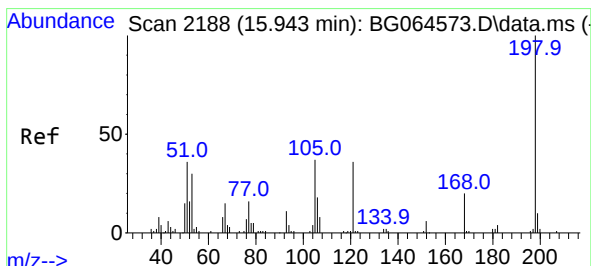
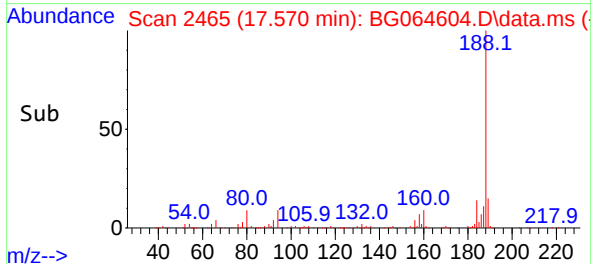
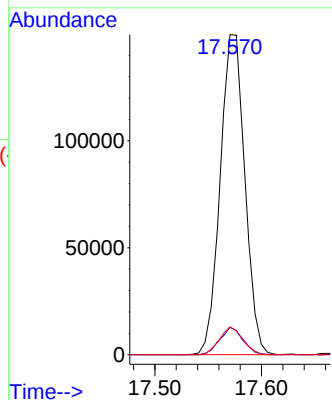
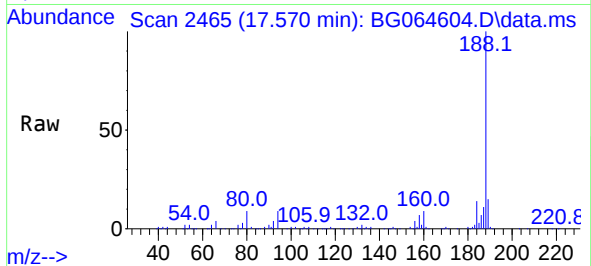




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.570 min Scan# 2465
Delta R.T. -0.010 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

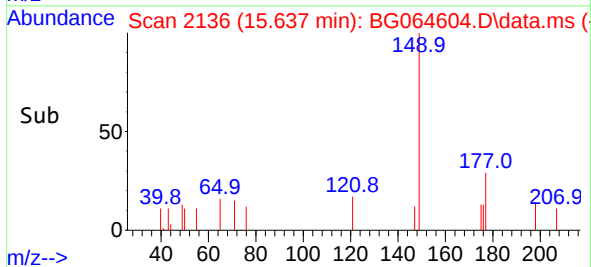
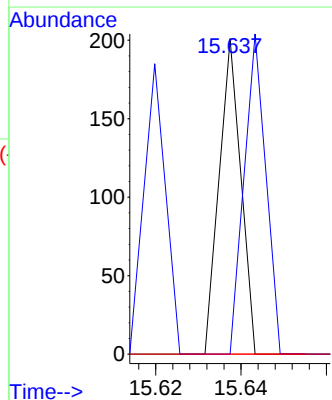
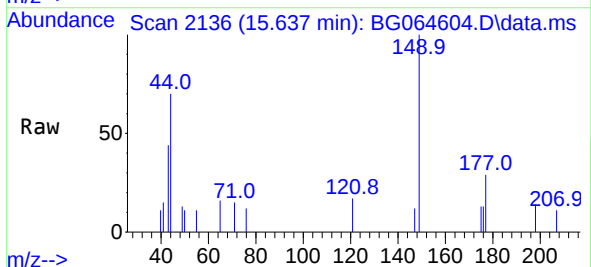
Instrument :
BNA_G
ClientSampleId :
JB-1

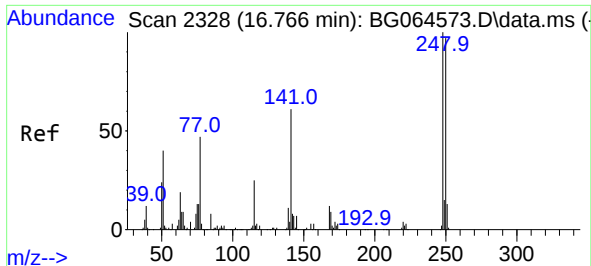
Tgt Ion:188 Resp: 240170
Ion Ratio Lower Upper
188 100
94 8.5 5.7 8.5#
80 8.7 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.486 ng
RT: 15.637 min Scan# 2136
Delta R.T. -0.310 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion:198 Resp: 71
Ion Ratio Lower Upper
198 100
51 0.0 24.7 64.7#
105 0.0 18.0 58.0#

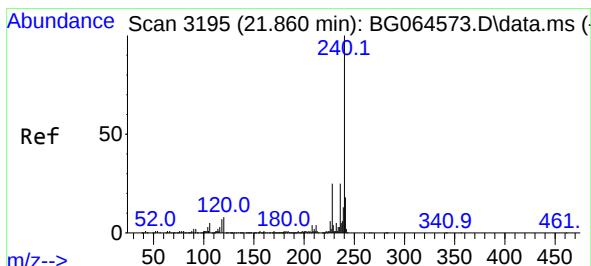
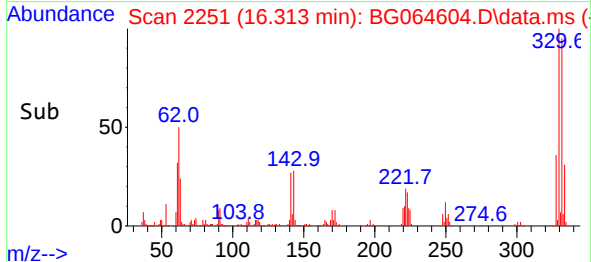
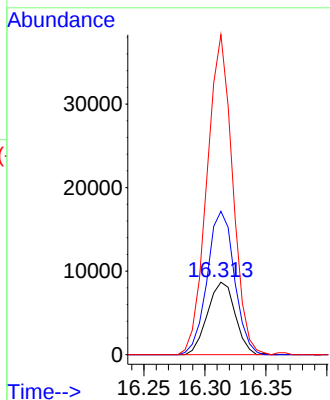
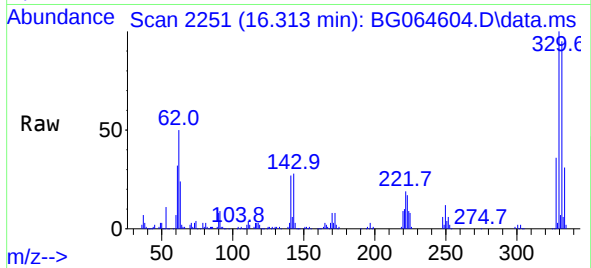




#67
4-Bromophenyl-phenylether
Concen: 4.818 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

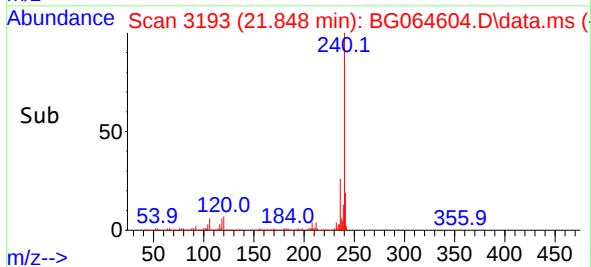
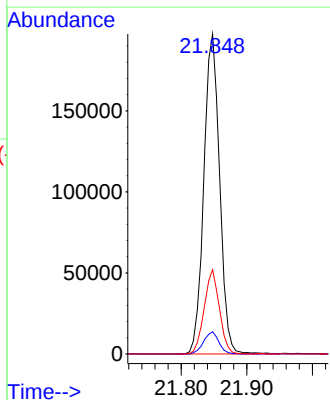
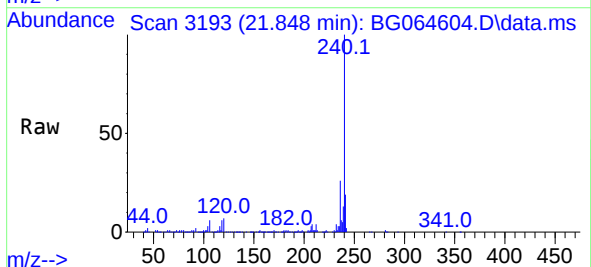
Instrument :
BNA_G
ClientSampleId :
JB-1

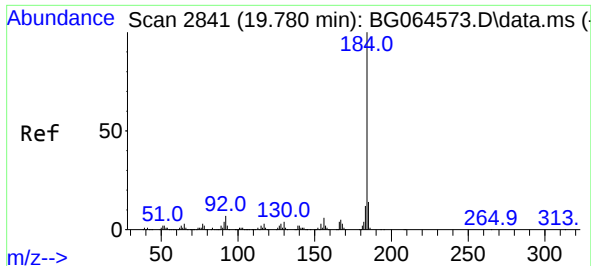
Tgt Ion:248 Resp: 13712
Ion Ratio Lower Upper
248 100
250 259.2 77.7 116.5#
141 441.2 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion:240 Resp: 330374
Ion Ratio Lower Upper
240 100
120 6.9 6.5 9.7
236 26.4 20.2 30.2

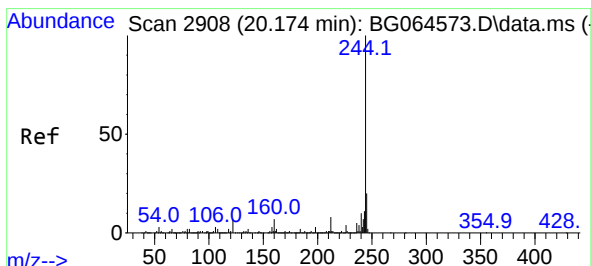
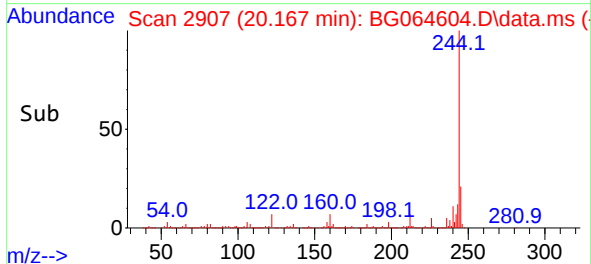
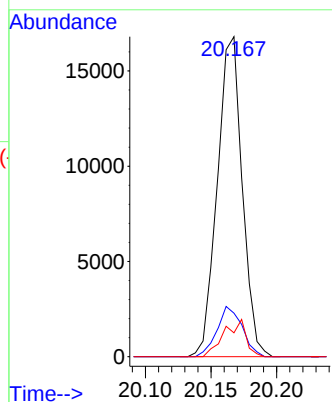
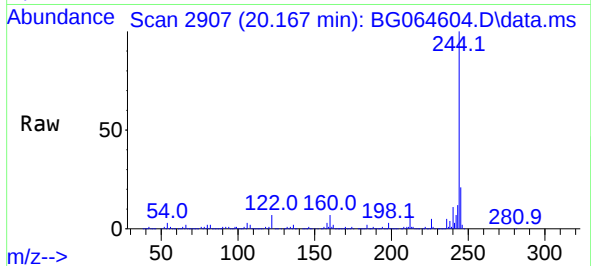




#77
Benzidine
Concen: 2.992 ng
RT: 20.167 min Scan# 2907
Delta R.T. 0.384 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

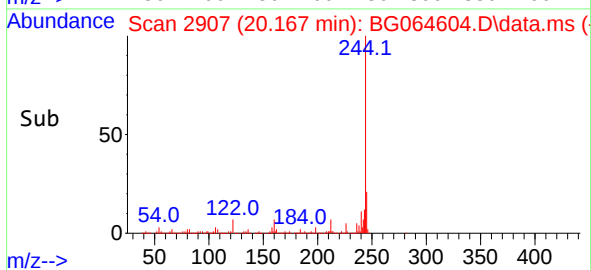
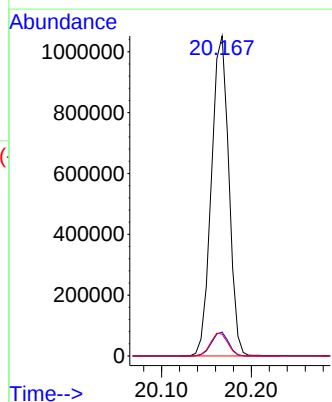
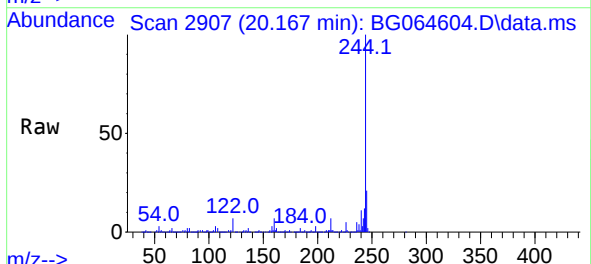
Instrument :
BNA_G
ClientSampleId :
JB-1

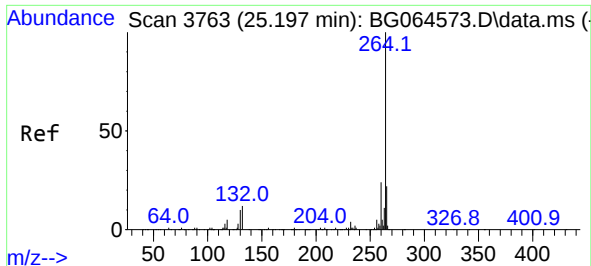
Tgt Ion:184 Resp: 22144
Ion Ratio Lower Upper
184 100
185 13.6 11.4 17.2
183 7.4 9.4 14.2#



#79
Terphenyl-d14
Concen: 80.983 ng
RT: 20.167 min Scan# 2907
Delta R.T. -0.010 min
Lab File: BG064604.D
Acq: 28 Oct 2025 16:32

Tgt Ion:244 Resp: 1417711
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.8 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.191 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: BG064604.D
 Acq: 28 Oct 2025 16:32

Instrument :
 BNA_G
 ClientSampleId :
 JB-1

Tgt Ion:264 Resp: 347463
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 21.8 17.6 26.4

