

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064594.D
 Acq On : 27 Oct 2025 19:28
 Operator : RC/JU
 Sample : Q3451-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-11

Quant Time: Oct 28 01:06:24 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)

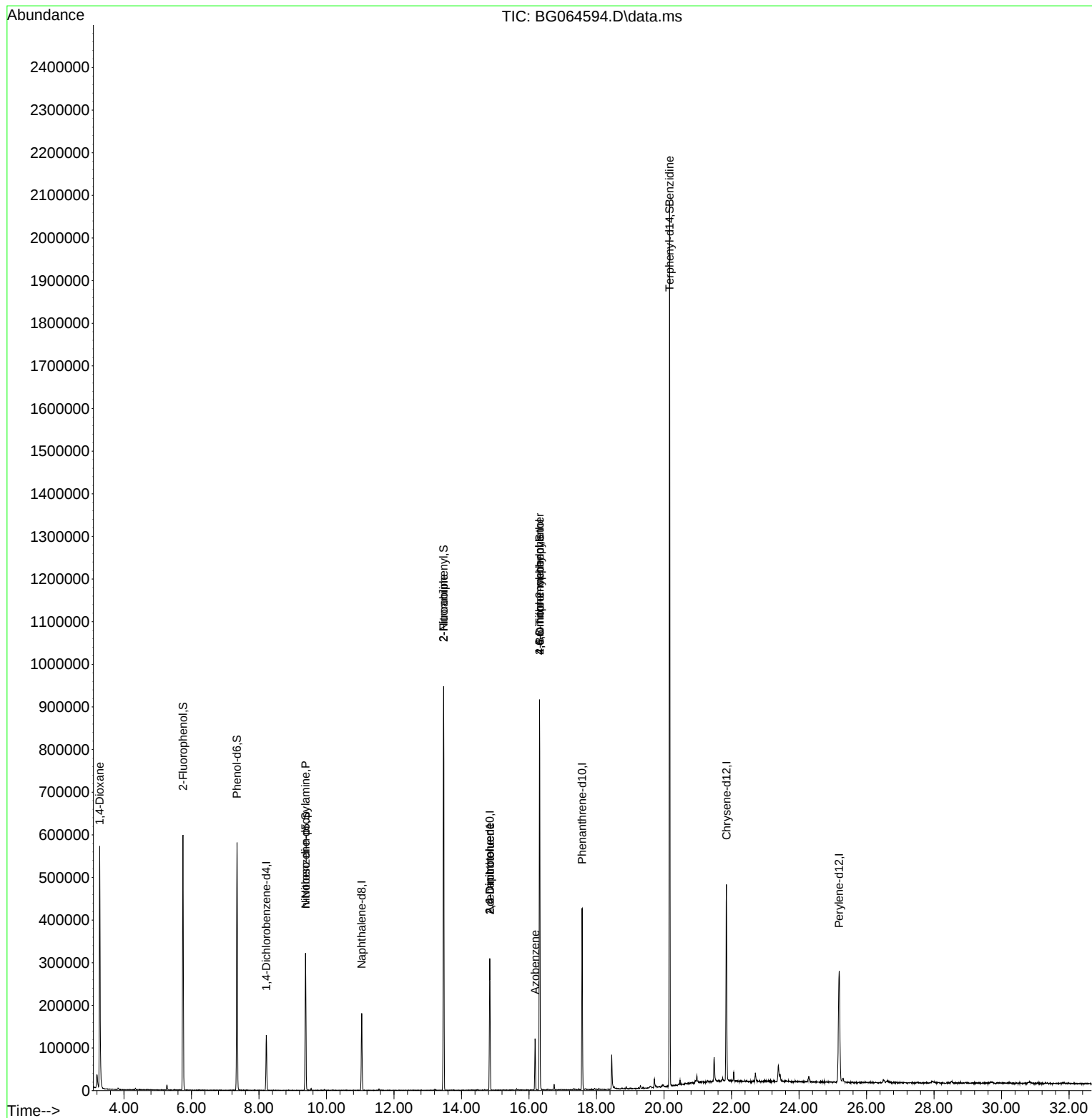
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	34831	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	137014	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	110690	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	274136	20.000	ng	0.00
76) Chrysene-d12	21.848	240	305208	20.000	ng	-0.02
86) Perylene-d12	25.186	264	318351	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	235280	113.381	ng	0.00
7) Phenol-d6	7.348	99	302957	106.394	ng	0.00
23) Nitrobenzene-d5	9.381	82	173982	76.268	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	189705	118.744	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	490032	67.103	ng	0.00
79) Terphenyl-d14	20.168	244	1069505	66.130	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.276	88	4669	5.082	ng	# 1
19) n-Nitroso-di-n-propyla...	9.381	70	22954	11.664	ng	# 78
48) 2-Nitroaniline	13.470	65	859	3.627	ng	# 1
51) 2,6-Dinitrotoluene	14.839	165	14781	13.066	ng	# 20
57) 2,4-Dinitrotoluene	14.839	165	14781	9.457	ng	# 22
63) Azobenzene	16.178	77	33571	4.231	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.314	198	391	5.714	ng	87
67) 4-Bromophenyl-phenylether	16.314	248	11803	3.633	ng	# 1
77) Benzidine	20.162	184	16994	2.485	ng	# 90

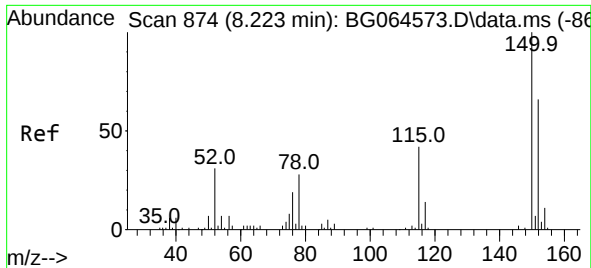
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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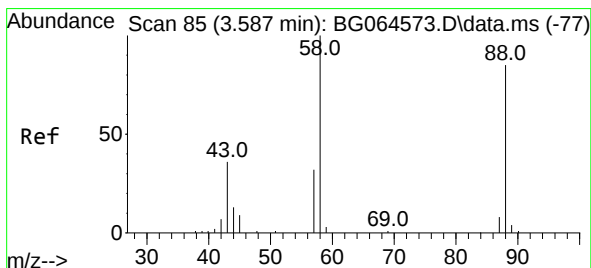
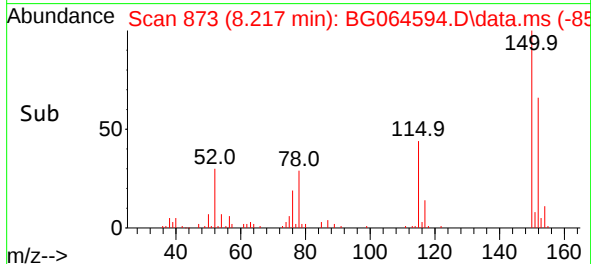
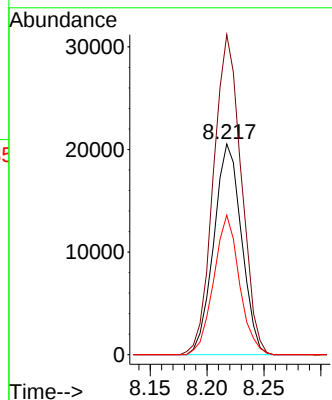
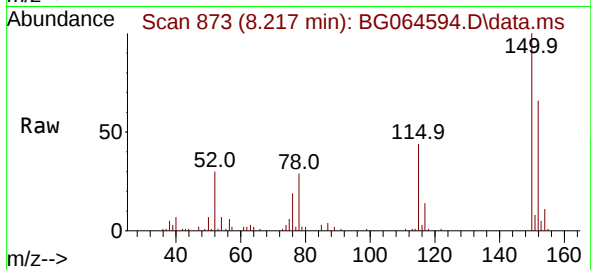




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

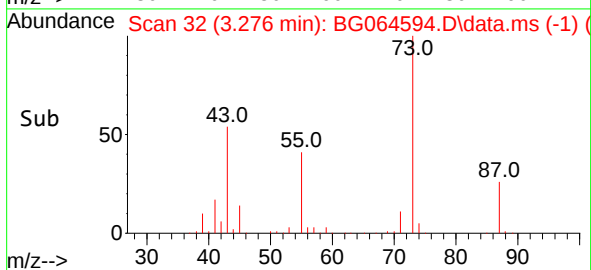
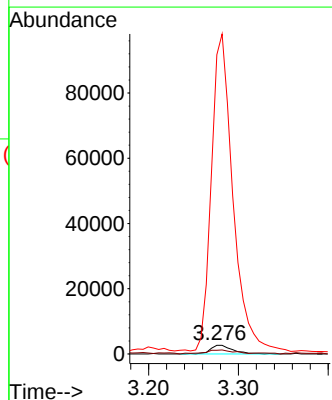
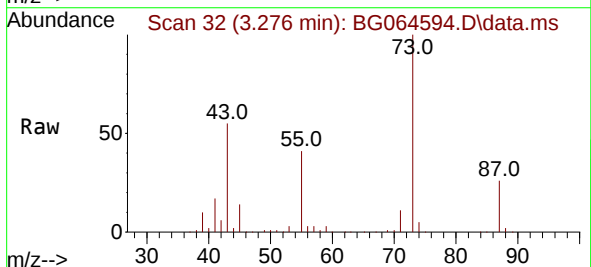
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BNA_G
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TP-11

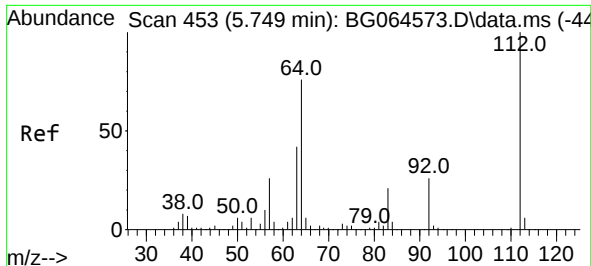
Tgt Ion:152 Resp: 34831
Ion Ratio Lower Upper
152 100
150 151.8 122.2 183.4
115 66.2 50.8 76.2



#2
1,4-Dioxane
Concen: 5.082 ng
RT: 3.276 min Scan# 32
Delta R.T. -0.315 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion: 88 Resp: 4669
Ion Ratio Lower Upper
88 100
58 58.2 92.4 138.6#
43 3453.8 33.0 49.6#

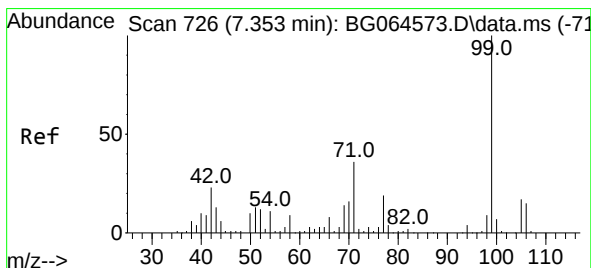
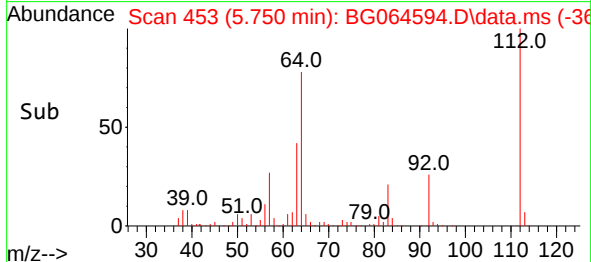
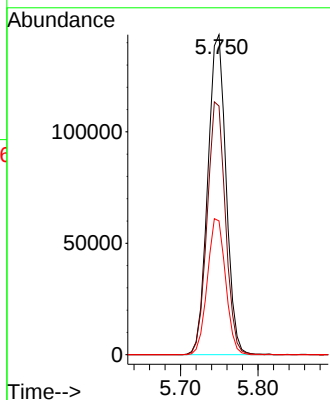
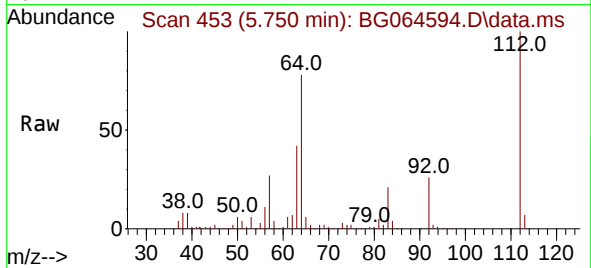




#5
2-Fluorophenol
Concen: 113.381 ng
RT: 5.750 min Scan# 411
Delta R.T. 0.003 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

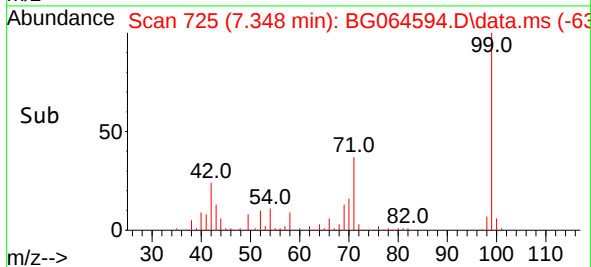
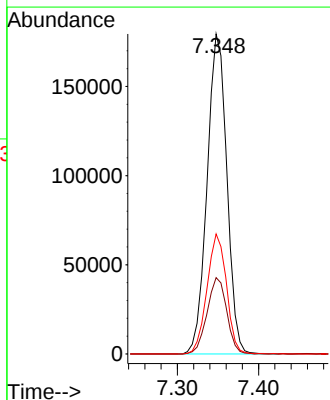
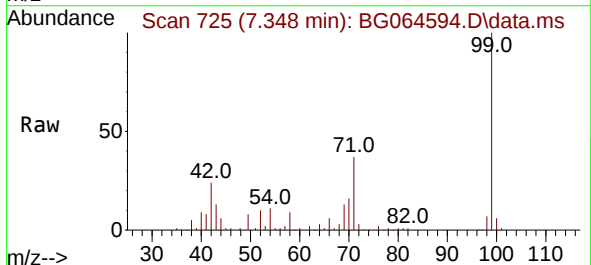
Instrument :
BNA_G
ClientSampleId :
TP-11

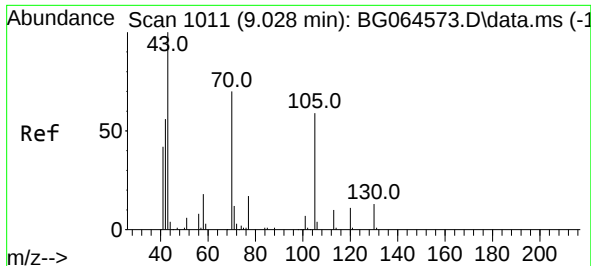
Tgt Ion:112 Resp: 235280
Ion Ratio Lower Upper
112 100
64 77.7 60.7 91.1
63 41.8 33.4 50.0



#7
Phenol-d6
Concen: 106.394 ng
RT: 7.348 min Scan# 725
Delta R.T. -0.009 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion: 99 Resp: 302957
Ion Ratio Lower Upper
99 100
42 23.8 18.3 27.5
71 37.5 28.6 43.0

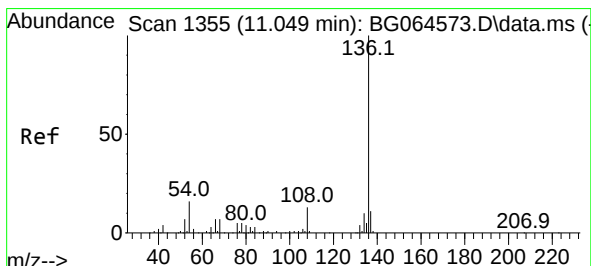
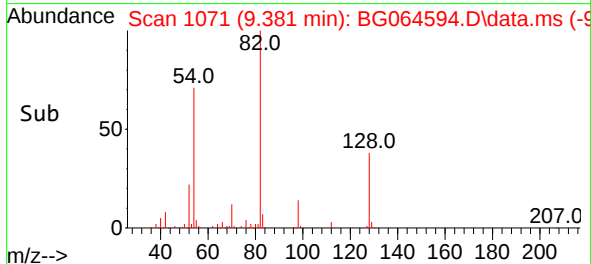
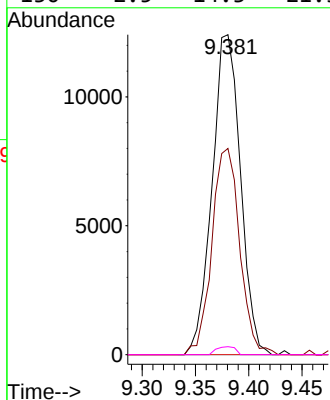
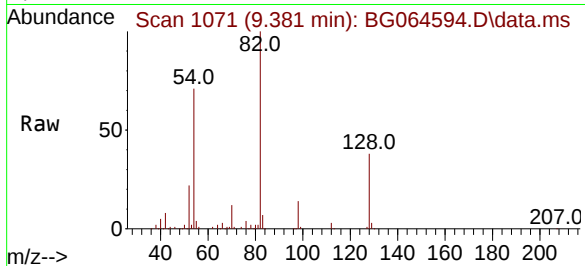




#19
n-Nitroso-di-n-propylamine
Concen: 11.664 ng
RT: 9.381 min Scan# 1011
Delta R.T. 0.349 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

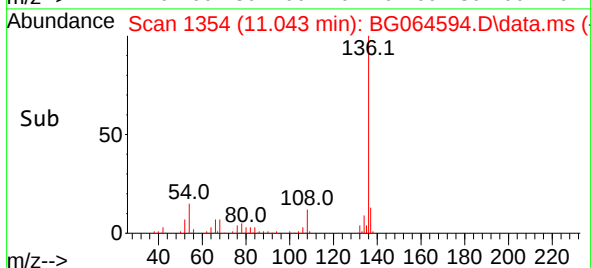
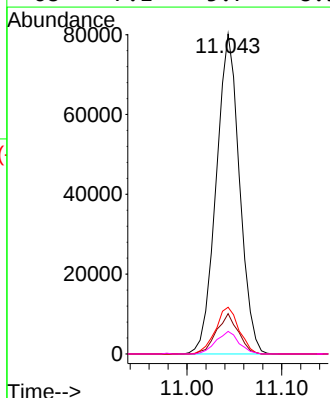
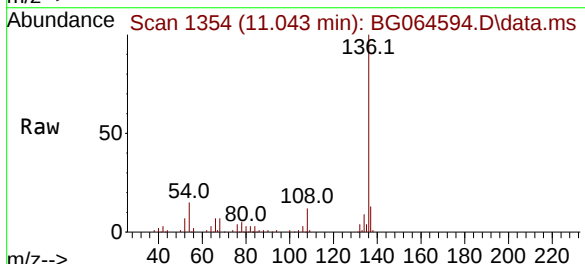
Instrument :
BNA_G
ClientSampleId :
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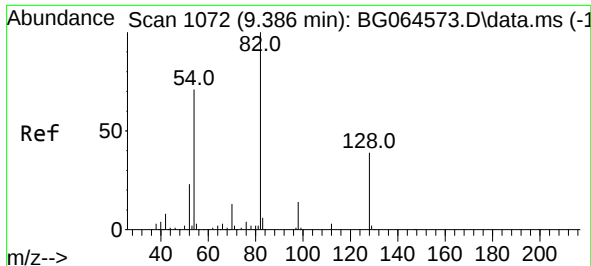
Tgt Ion: 70 Resp: 22954
Ion Ratio Lower Upper
70 100
42 64.5 65.2 97.8#
101 0.0 7.9 11.9#
130 2.5 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion:136 Resp: 137014
Ion Ratio Lower Upper
136 100
137 12.6 9.2 13.8
54 14.6 12.6 19.0
68 7.1 5.7 8.5

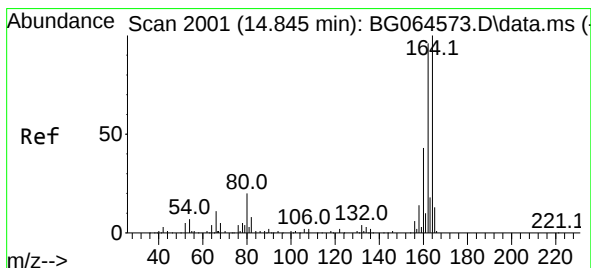
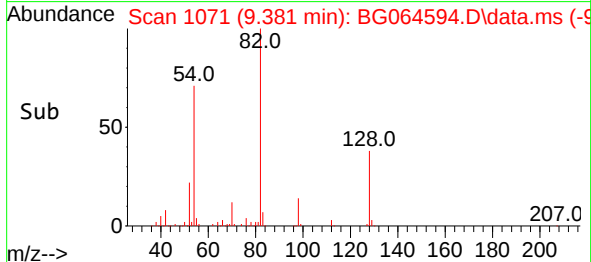
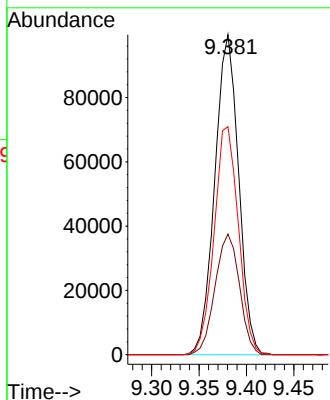
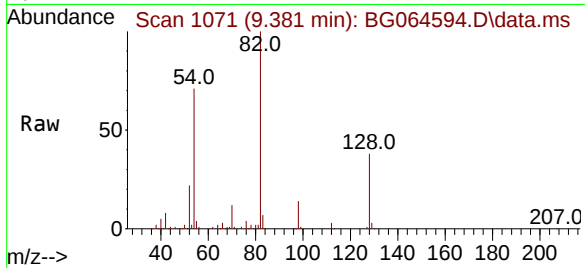




#23
Nitrobenzene-d5
Concen: 76.268 ng
RT: 9.381 min Scan# 1072
Delta R.T. -0.009 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

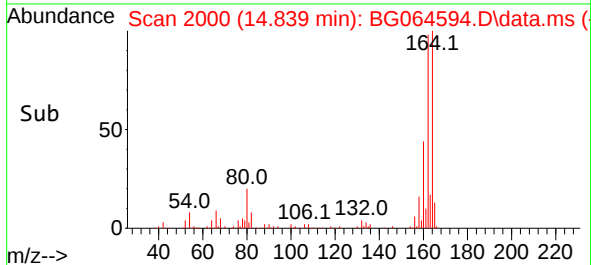
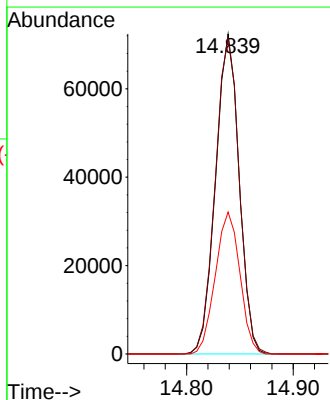
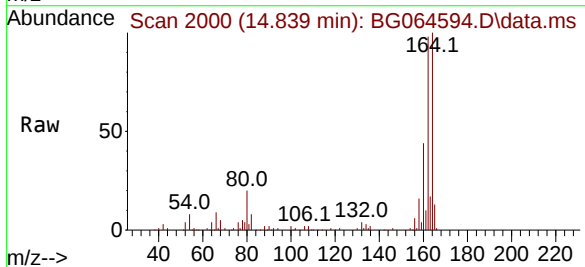
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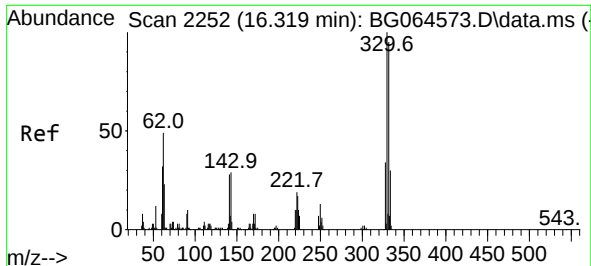
Tgt Ion: 82 Resp: 173982
Ion Ratio Lower Upper
82 100
128 37.7 31.3 46.9
54 71.3 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion: 164 Resp: 110690
Ion Ratio Lower Upper
164 100
162 98.4 77.0 115.6
160 44.4 34.4 51.6

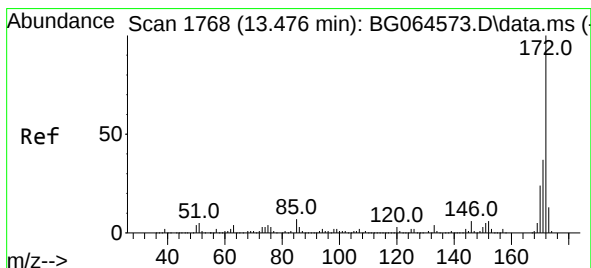
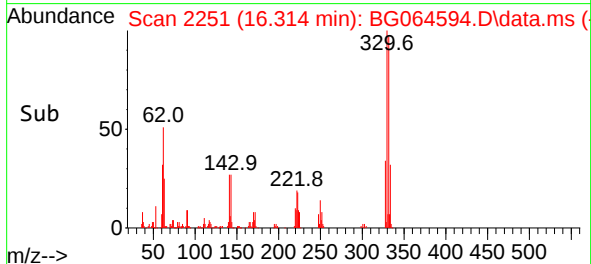
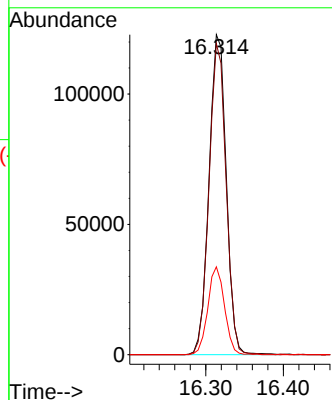
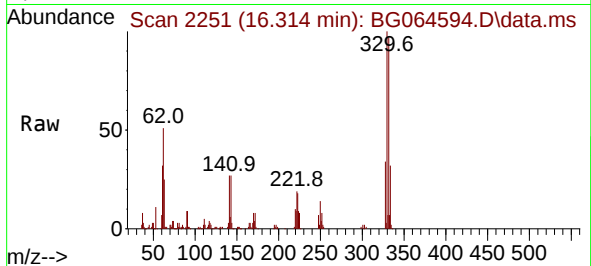




#42
2,4,6-Tribromophenol
Concen: 118.744 ng
RT: 16.314 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

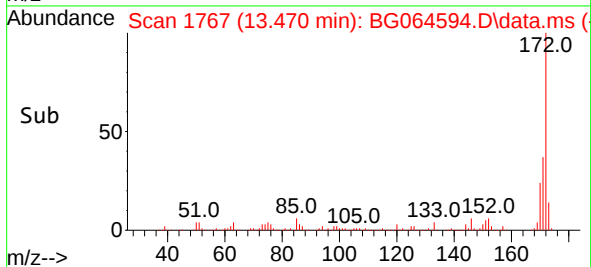
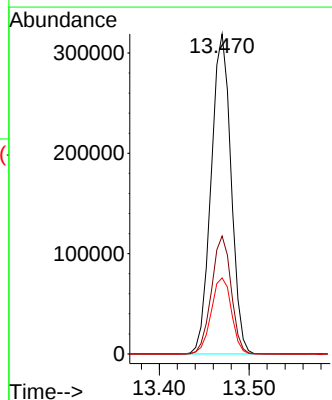
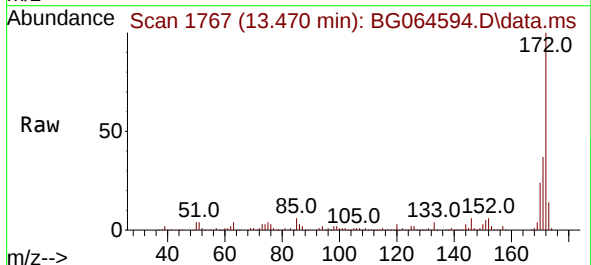
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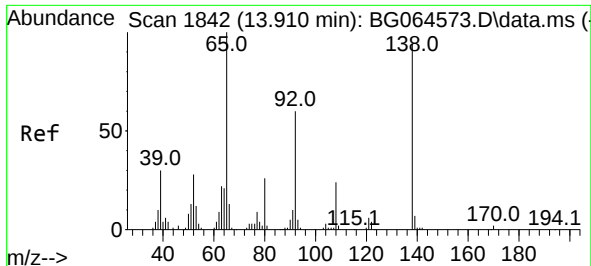
Tgt Ion:330 Resp: 189705
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 26.5 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 67.103 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion:172 Resp: 490032
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 23.7 19.1 28.7

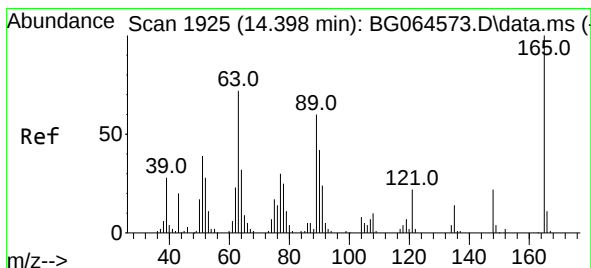
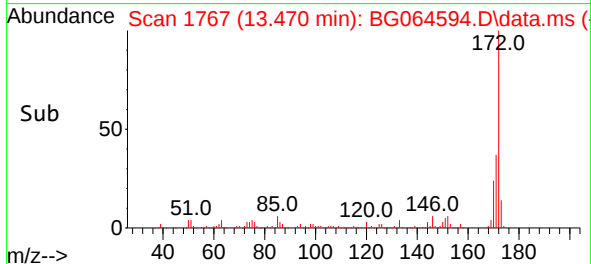
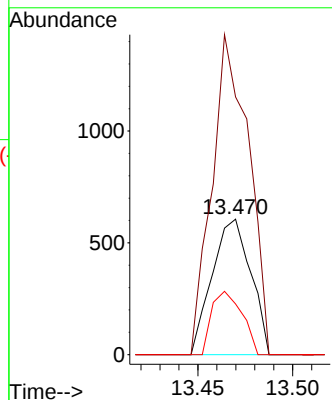
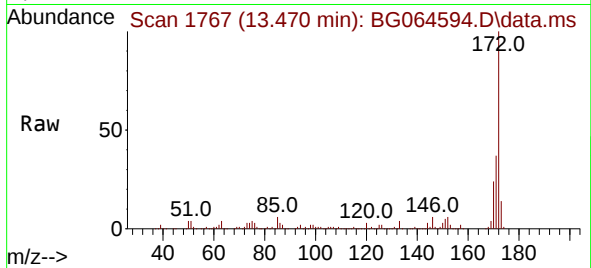




#48
2-Nitroaniline
Concen: 3.627 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.444 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

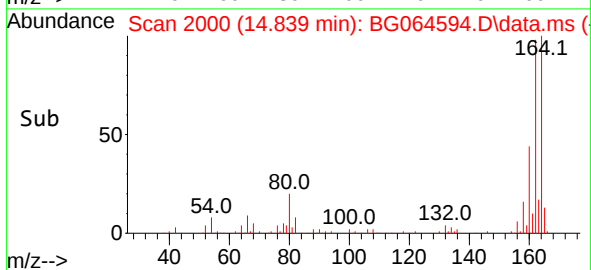
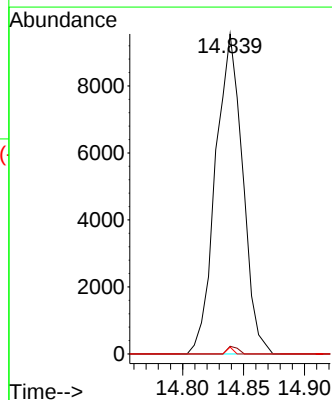
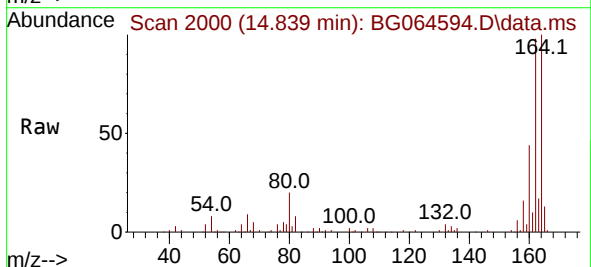
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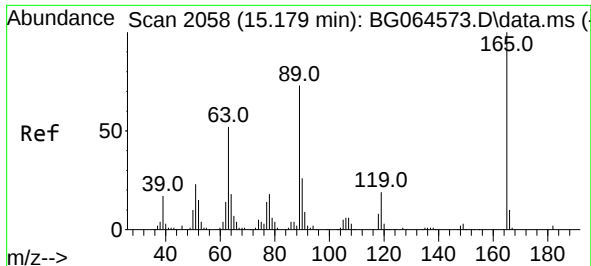
Tgt Ion: 65 Resp: 859
Ion Ratio Lower Upper
65 100
92 190.3 48.3 72.5#
138 37.5 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 13.066 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion: 165 Resp: 14781
Ion Ratio Lower Upper
165 100
63 2.4 57.4 86.0#
89 2.1 47.8 71.8#

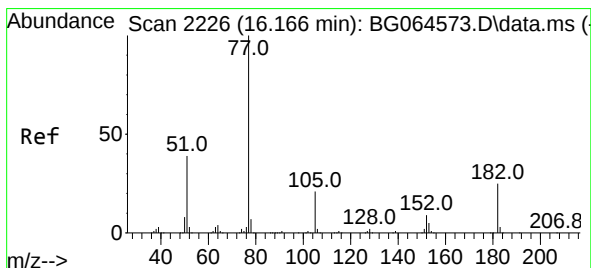
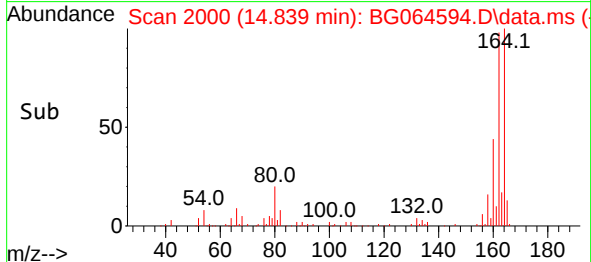
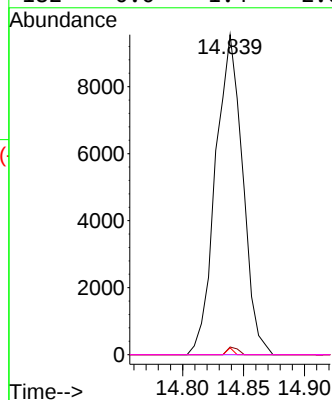
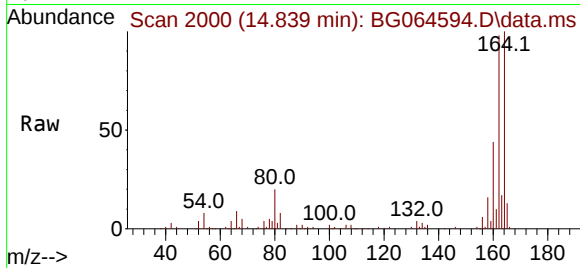




#57
2,4-Dinitrotoluene
Concen: 9.457 ng
RT: 14.839 min Scan# 2058
Delta R.T. -0.350 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

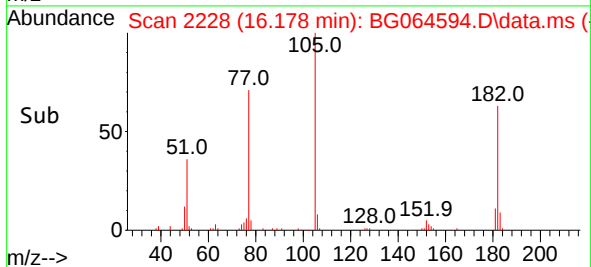
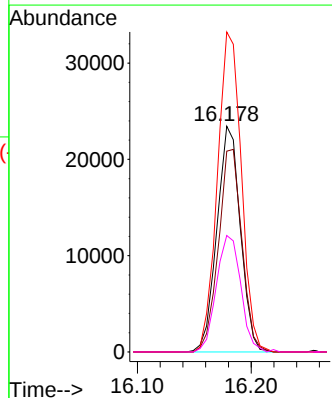
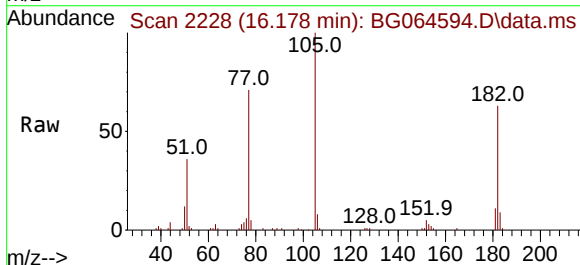
Instrument :
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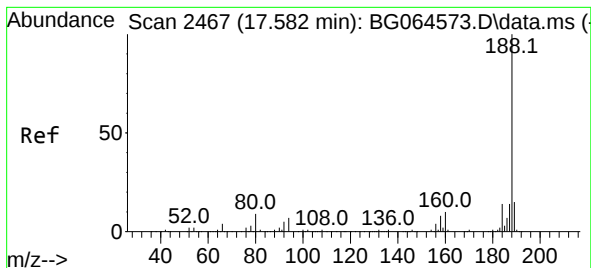
Tgt Ion:165 Resp: 14781
Ion Ratio Lower Upper
165 100
63 2.4 41.8 62.8#
89 2.1 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 4.231 ng
RT: 16.178 min Scan# 2228
Delta R.T. 0.008 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion: 77 Resp: 33571
Ion Ratio Lower Upper
77 100
182 88.9 4.9 44.9#
105 141.8 1.3 41.3#
51 51.6 19.0 59.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.571 min Scan# 2465

Delta R.T. -0.009 min

Lab File: BG064594.D

Acq: 27 Oct 2025 19:28

Instrument :

BNA_G

ClientSampleId :

TP-11

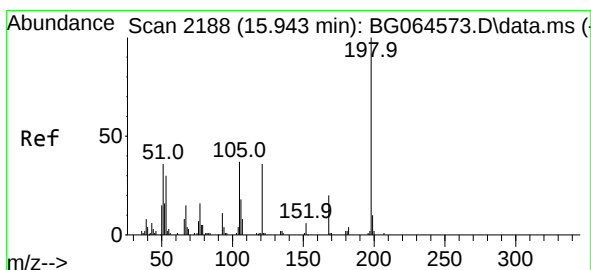
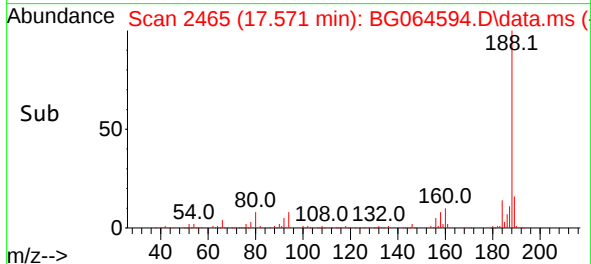
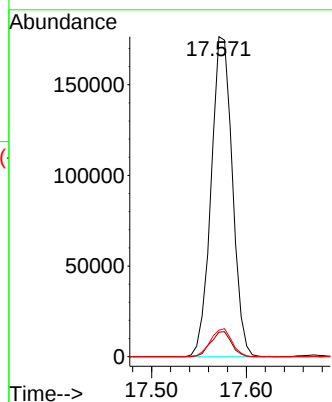
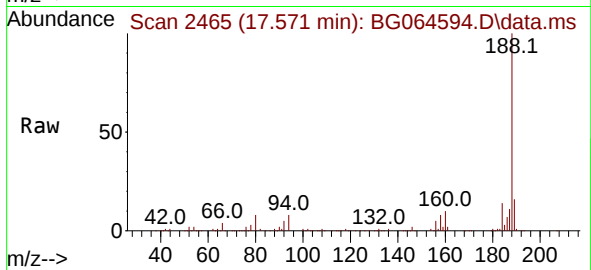
Tgt Ion:188 Resp: 274136

Ion Ratio Lower Upper

188 100

94 7.7 5.7 8.5

80 8.3 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.714 ng

RT: 16.314 min Scan# 2251

Delta R.T. 0.367 min

Lab File: BG064594.D

Acq: 27 Oct 2025 19:28

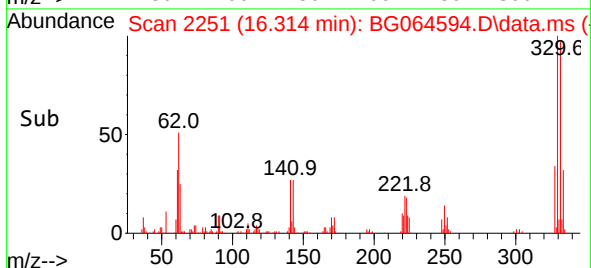
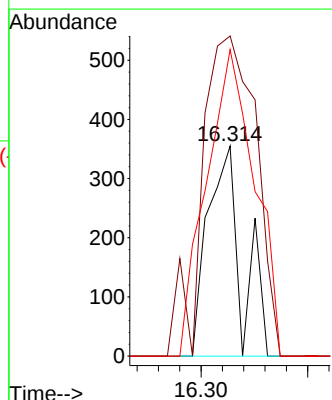
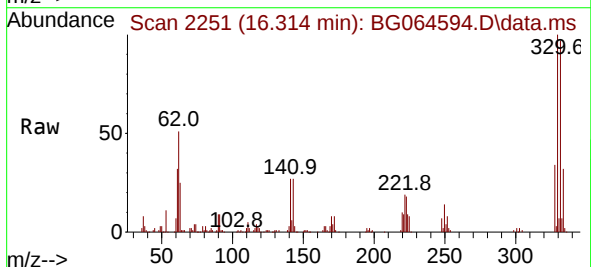
Tgt Ion:198 Resp: 391

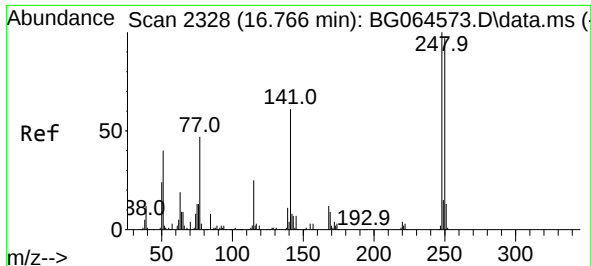
Ion Ratio Lower Upper

198 100

51 34.0 24.7 64.7

105 32.6 18.0 58.0

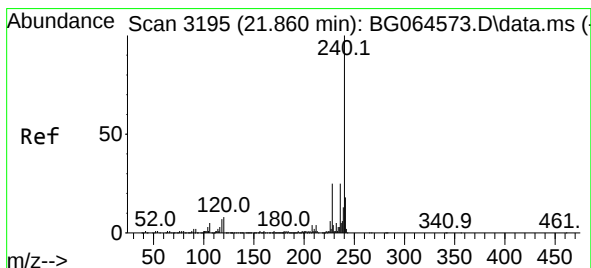
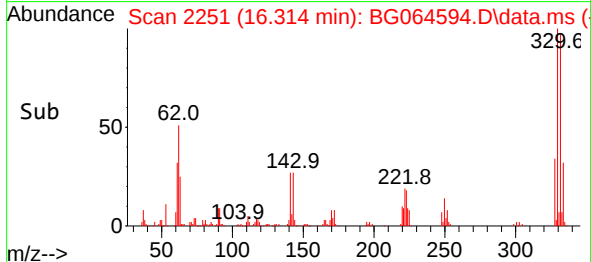
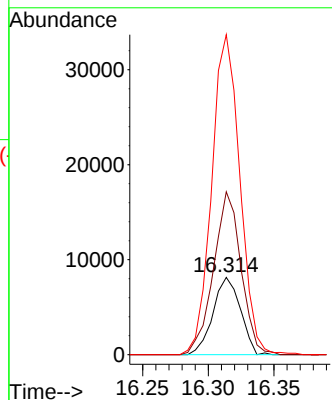
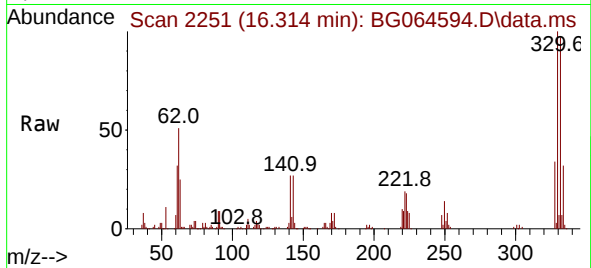




#67
4-Bromophenyl-phenylether
Concen: 3.633 ng
RT: 16.314 min Scan# 211
Delta R.T. -0.456 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

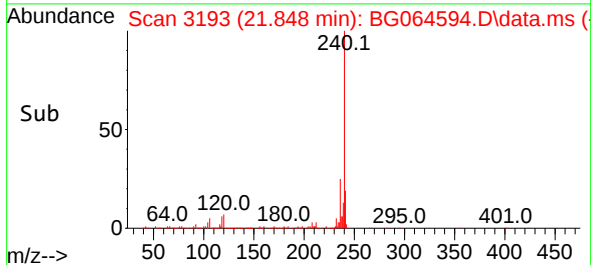
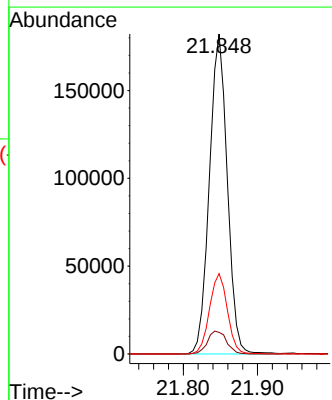
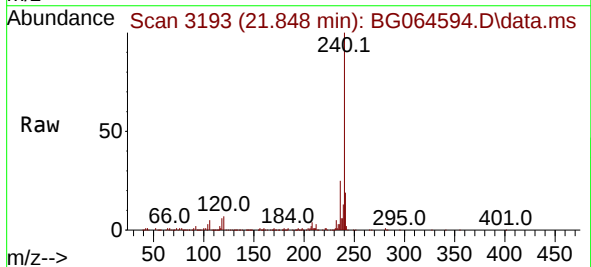
Instrument :
BNA_G
ClientSampleId :
TP-11

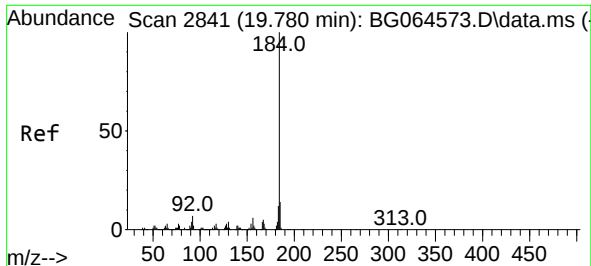
Tgt Ion:248 Resp: 11803
Ion Ratio Lower Upper
248 100
250 161.6 77.7 116.5#
141 317.5 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion:240 Resp: 305208
Ion Ratio Lower Upper
240 100
120 6.8 6.5 9.7
236 25.1 20.2 30.2

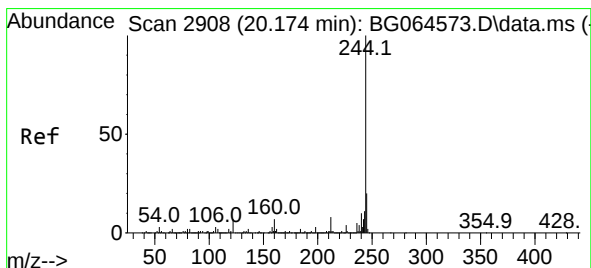
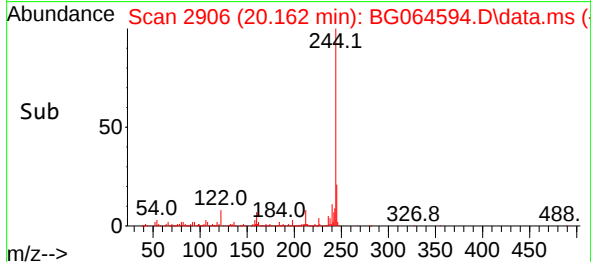
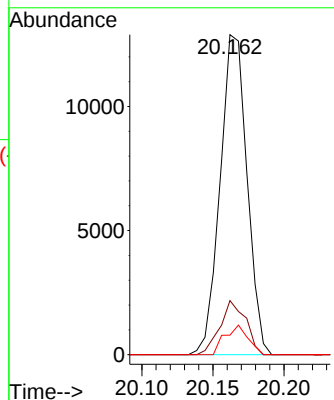
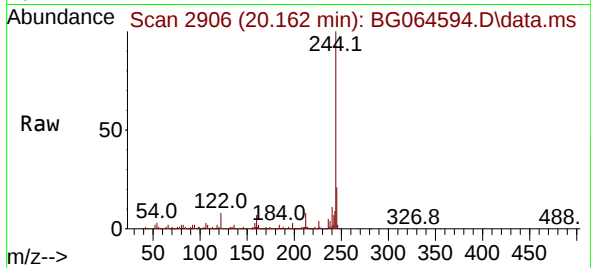




#77
Benzidine
Concen: 2.485 ng
RT: 20.162 min Scan# 2906
Delta R.T. 0.379 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

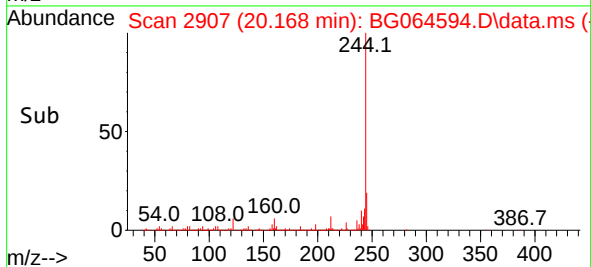
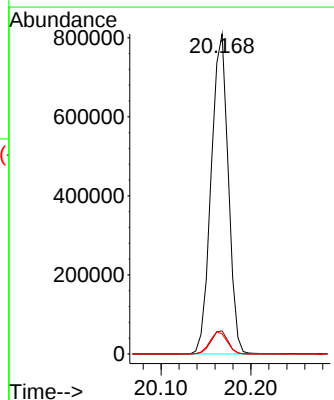
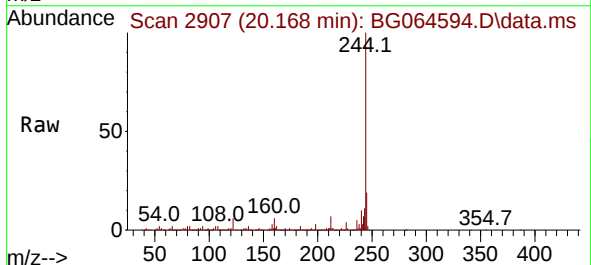
Instrument :
BNA_G
ClientSampleId :
TP-11

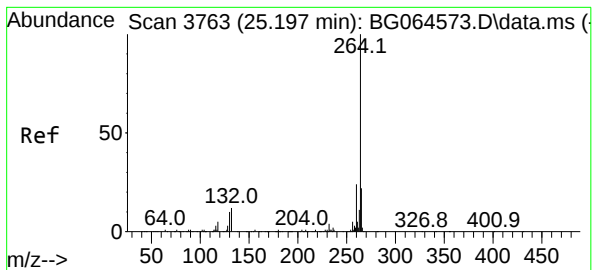
Tgt Ion:184 Resp: 16994
Ion Ratio Lower Upper
184 100
185 16.9 11.4 17.2
183 6.1 9.4 14.2#



#79
Terphenyl-d14
Concen: 66.130 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064594.D
Acq: 27 Oct 2025 19:28

Tgt Ion:244 Resp: 1069505
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 6.2 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.186 min Scan# 31
 Delta R.T. -0.015 min
 Lab File: BG064594.D
 Acq: 27 Oct 2025 19:28

Instrument :
 BNA_G
 ClientSampleId :
 TP-11

Tgt Ion:264 Resp: 318351
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 20.9 17.6 26.4

