

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110325\
 Data File : BG064673.D
 Acq On : 3 Nov 2025 15:16
 Operator : RC/JU
 Sample : PB1700206BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170206BL

Quant Time: Nov 04 00:42:03 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)

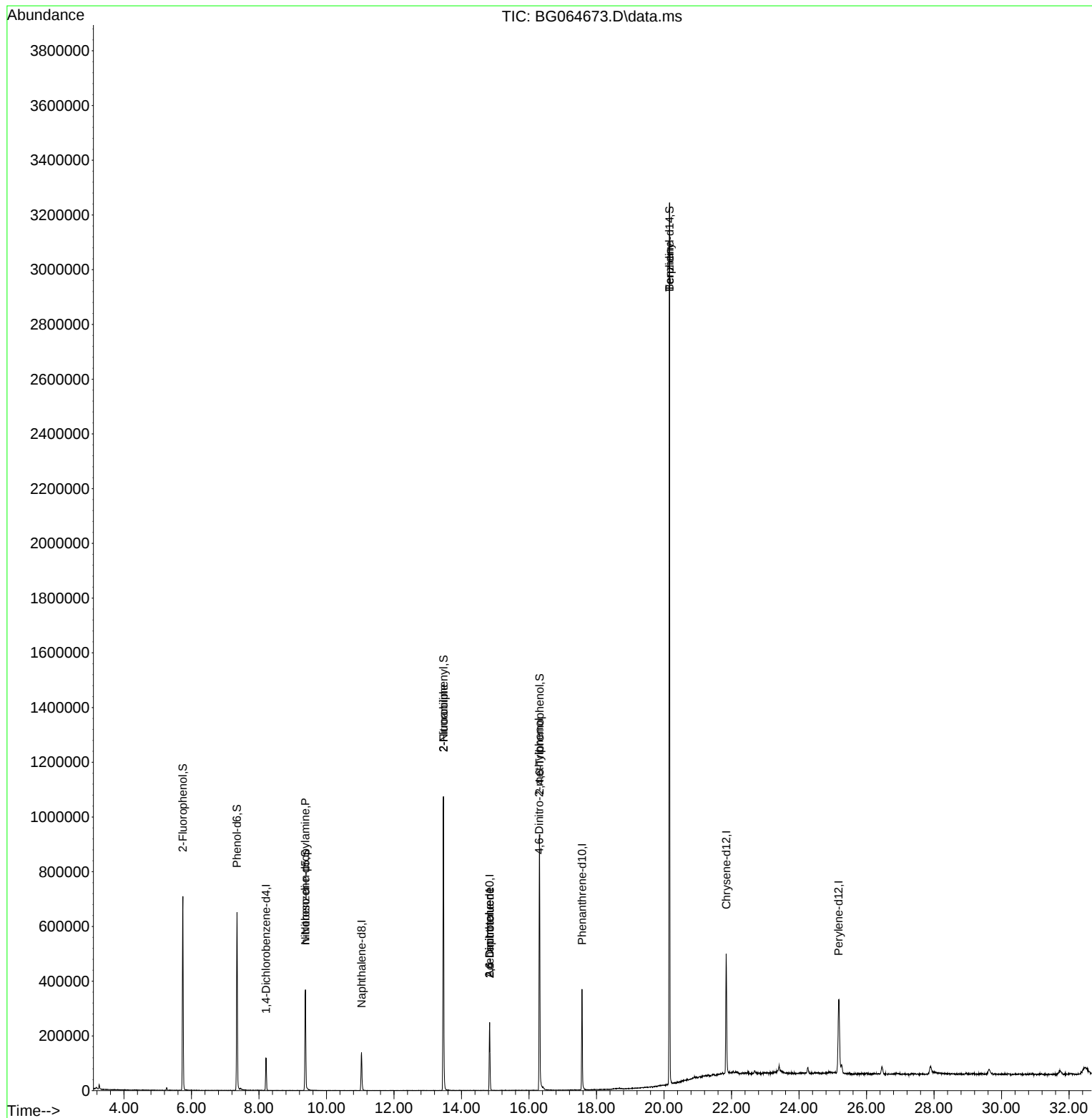
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.206	152	33303	20.000	ng	-0.02
21) Naphthalene-d8	11.038	136	120360	20.000	ng	-0.01
39) Acenaphthene-d10	14.833	164	97938	20.000	ng	-0.01
64) Phenanthrene-d10	17.571	188	255703	20.000	ng	-0.01
76) Chrysene-d12	21.843	240	321187	20.000	ng	-0.02
86) Perylene-d12	25.174	264	341510	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	276345	139.280	ng	0.00
7) Phenol-d6	7.348	99	345673	126.964	ng	0.00
23) Nitrobenzene-d5	9.375	82	219660	109.616	ng	-0.01
42) 2,4,6-Tribromophenol	16.314	330	224867	159.081	ng	0.00
45) 2-Fluorobiphenyl	13.464	172	604660	93.581	ng	-0.01
79) Terphenyl-d14	20.162	244	1643150	96.545	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.375	70	28632	15.217	ng	# 75
48) 2-Nitroaniline	13.464	65	1000	3.754	ng	# 1
51) 2,6-Dinitrotoluene	14.833	165	12233	12.428	ng	# 17
57) 2,4-Dinitrotoluene	14.833	165	12233	9.043	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.302	198	250	5.624	ng	# 1
77) Benzidine	20.162	184	24956	3.468	ng	# 93

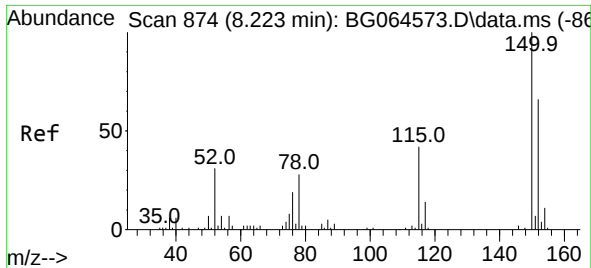
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110325\
Data File : BG064673.D
Acq On : 3 Nov 2025 15:16
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Sample : PB1700206BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170206BL

Quant Time: Nov 04 00:42:03 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

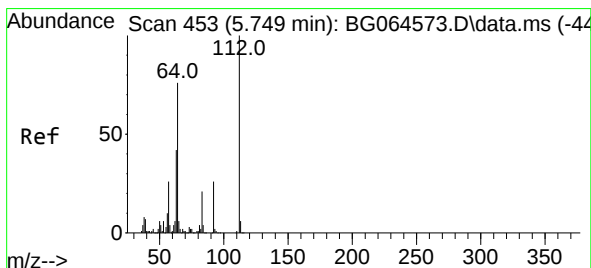
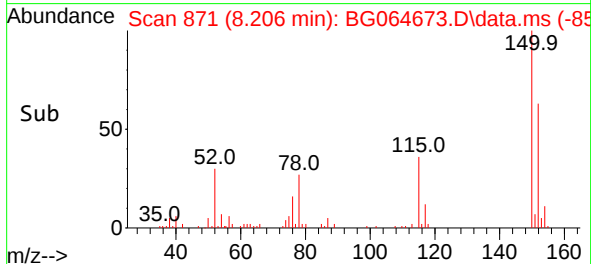
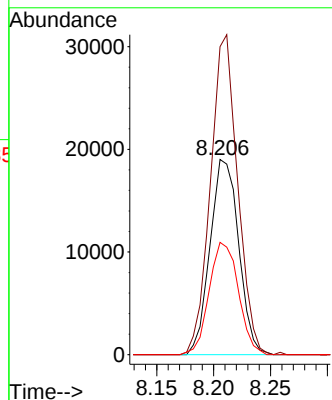
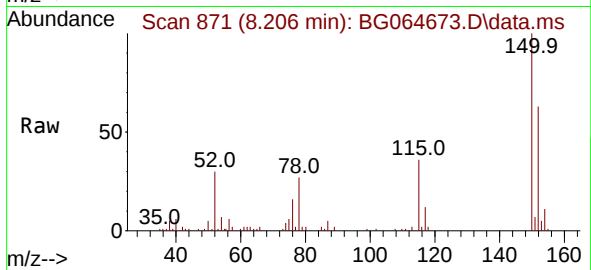




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.206 min Scan# 81
Delta R.T. -0.017 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

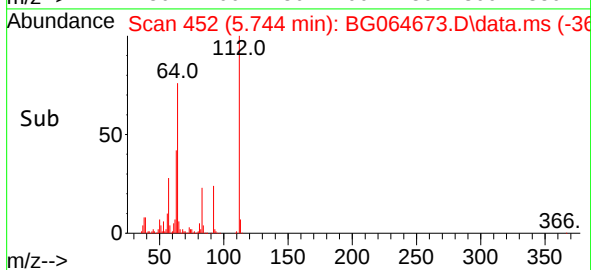
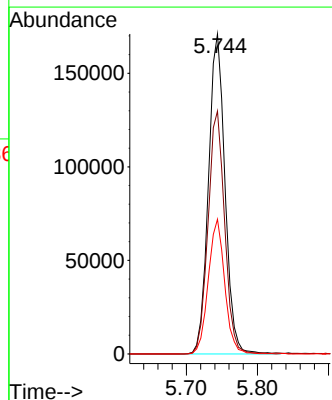
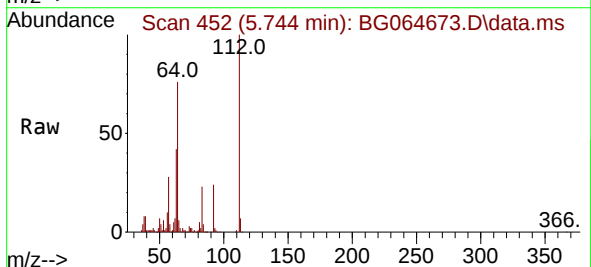
Instrument :
BNA_G
ClientSampleId :
PB170206BL

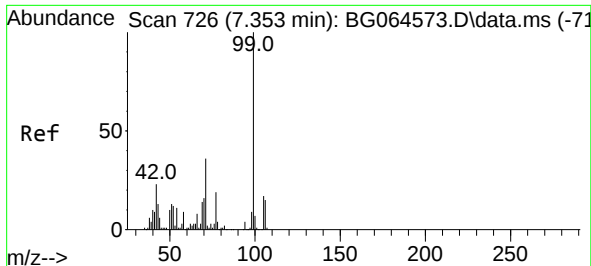
Tgt Ion:152 Resp: 33303
Ion Ratio Lower Upper
152 100
150 157.8 122.2 183.4
115 57.6 50.8 76.2



#5
2-Fluorophenol
Concen: 139.280 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.006 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

Tgt Ion:112 Resp: 276345
Ion Ratio Lower Upper
112 100
64 75.9 60.7 91.1
63 42.1 33.4 50.0

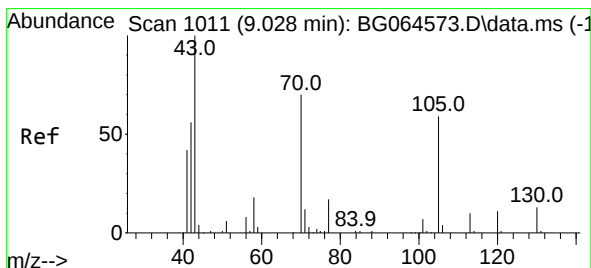
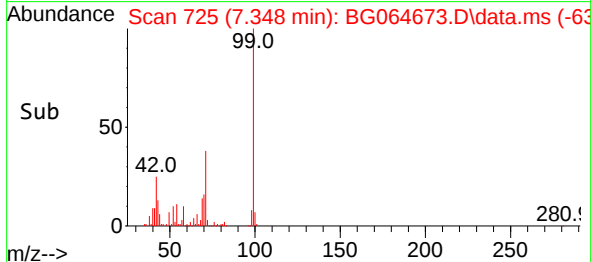
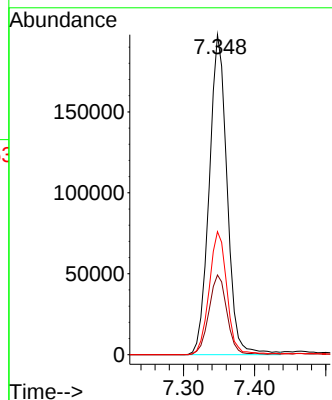
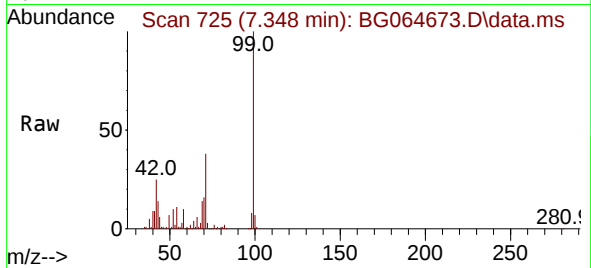




#7
Phenol-d6
Concen: 126.964 ng
RT: 7.348 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

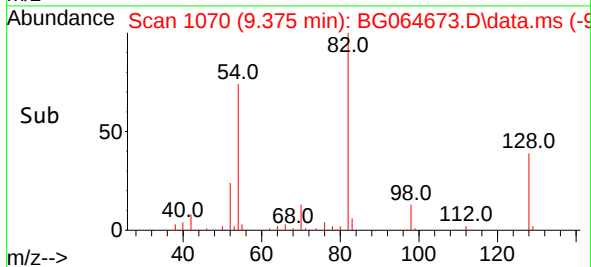
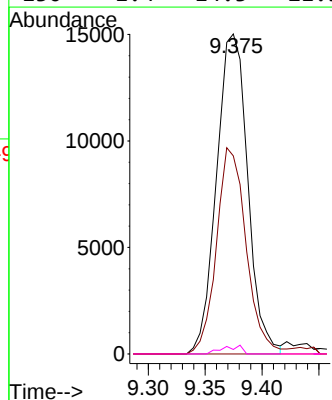
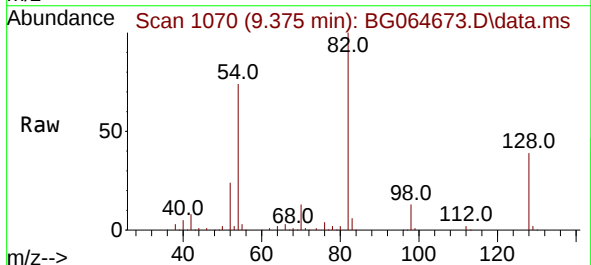
Instrument :
BNA_G
ClientSampleId :
PB170206BL

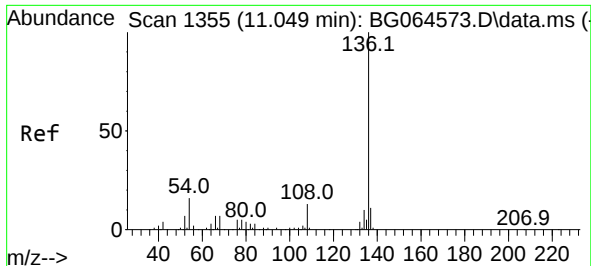
Tgt Ion: 99 Resp: 345673
Ion Ratio Lower Upper
99 100
42 24.9 18.3 27.5
71 38.5 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.217 ng
RT: 9.375 min Scan# 1070
Delta R.T. 0.347 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

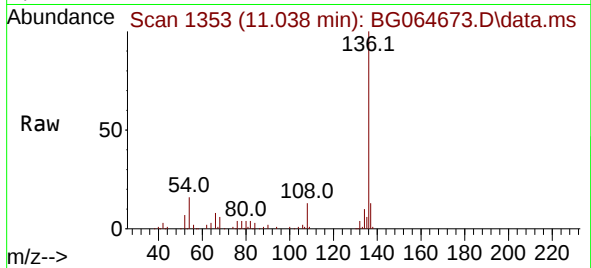
Tgt Ion: 70 Resp: 28632
Ion Ratio Lower Upper
70 100
42 61.9 65.2 97.8#
101 0.0 7.9 11.9#
130 1.4 14.3 21.5#



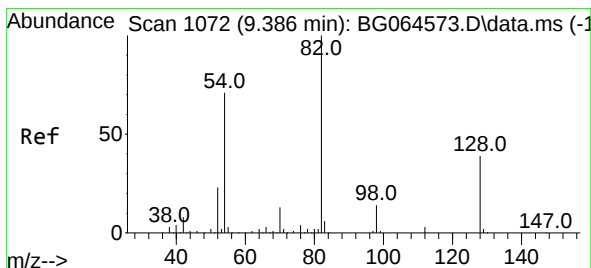
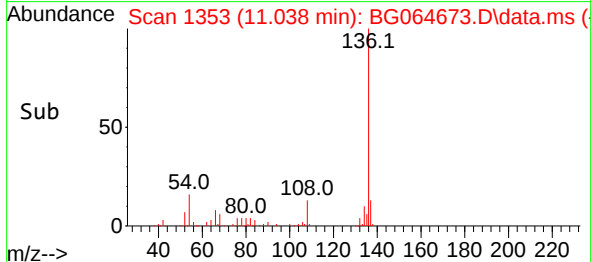
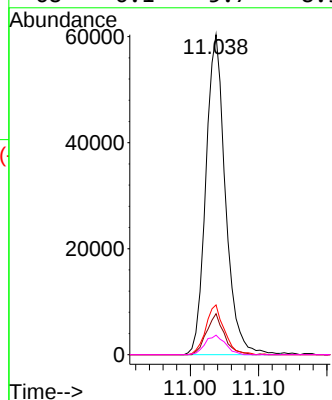


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.038 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

Instrument :
BNA_G
ClientSampleId :
PB170206BL

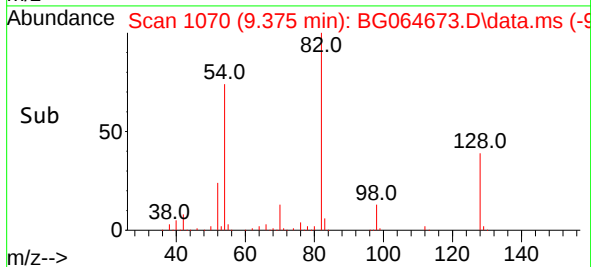
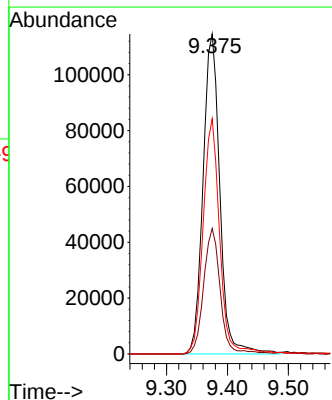
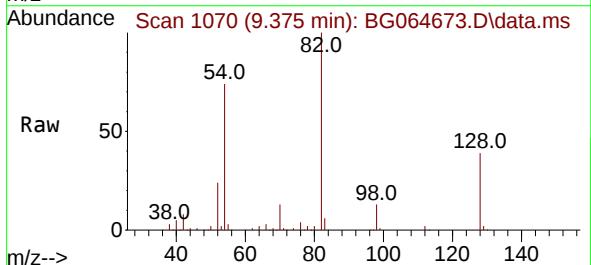


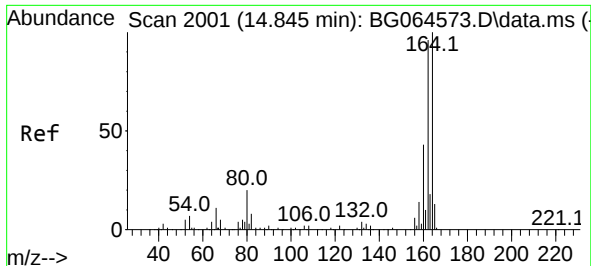
Tgt	Ion:136	Resp:	120360
Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.2	13.8
54	15.6	12.6	19.0
68	6.1	5.7	8.5



#23
Nitrobenzene-d5
Concen: 109.616 ng
RT: 9.375 min Scan# 1070
Delta R.T. -0.011 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

Tgt Ion: 82	Resp: 219660
Ion Ratio	Lower Upper
82 100	
128 39.2	31.3 46.9
54 73.5	56.6 84.8

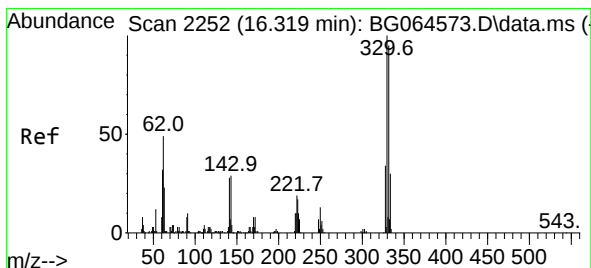
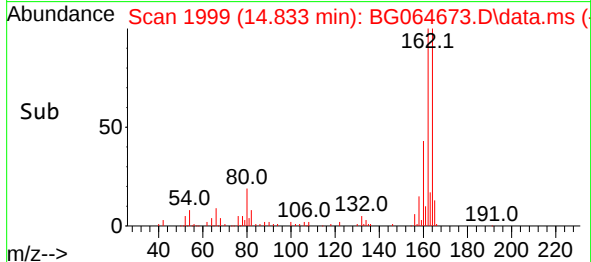
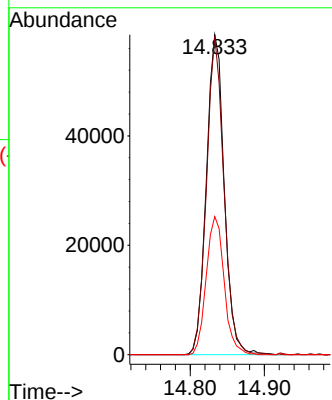
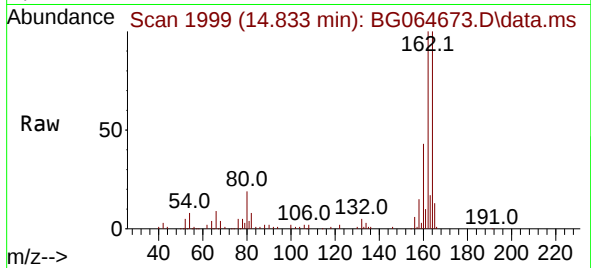




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.833 min Scan# 1999
Delta R.T. -0.011 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

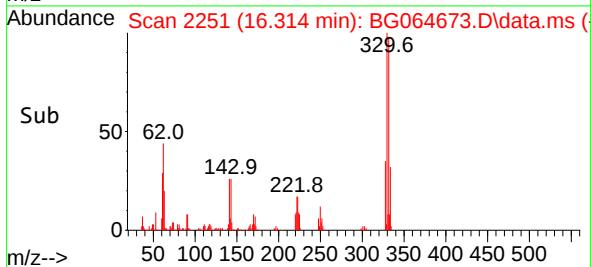
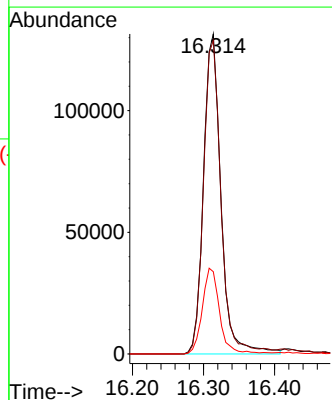
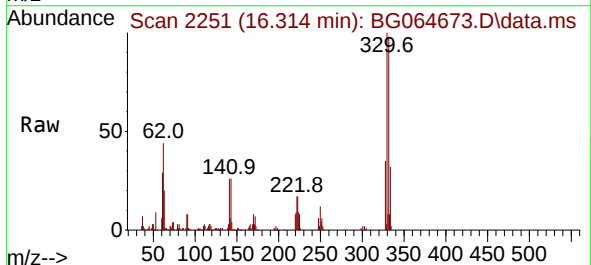
Instrument :
BNA_G
ClientSampleId :
PB170206BL

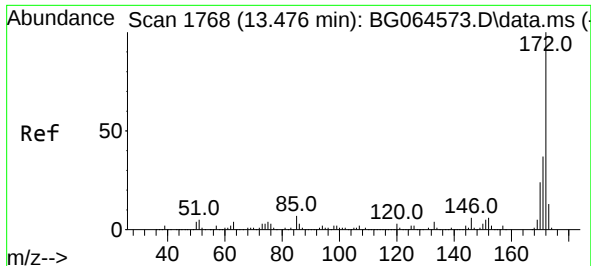
Tgt Ion:164 Resp: 97938
Ion Ratio Lower Upper
164 100
162 99.5 77.0 115.6
160 43.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 159.081 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

Tgt Ion:330 Resp: 224867
Ion Ratio Lower Upper
330 100
332 98.4 78.0 117.0
141 26.7 21.8 32.6

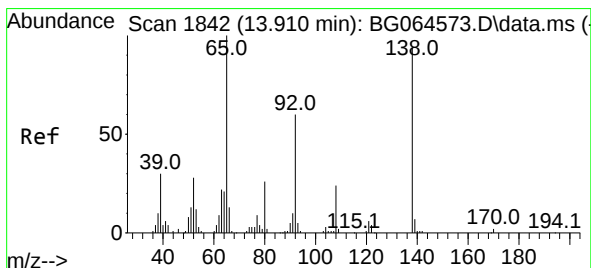
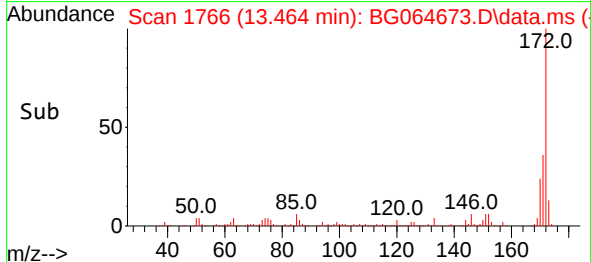
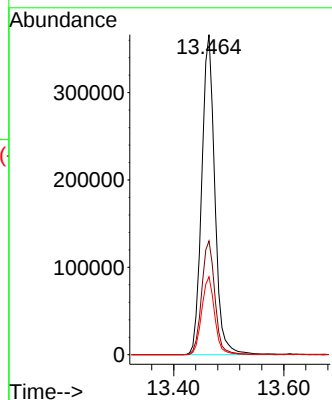
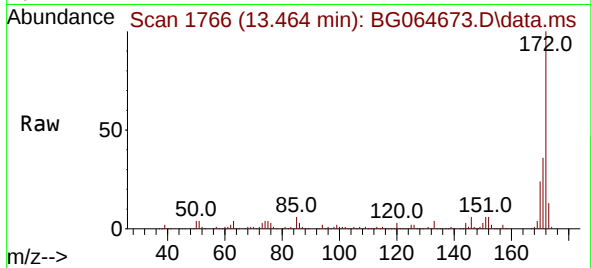




#45
2-Fluorobiphenyl
Concen: 93.581 ng
RT: 13.464 min Scan# 1766
Delta R.T. -0.011 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

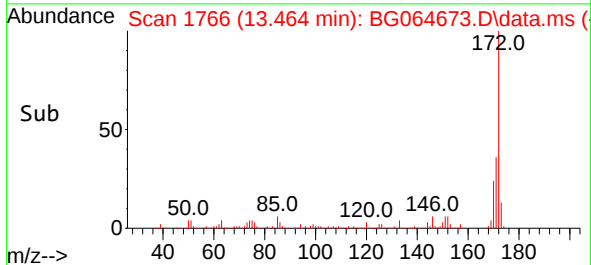
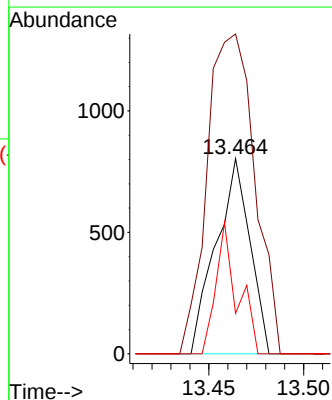
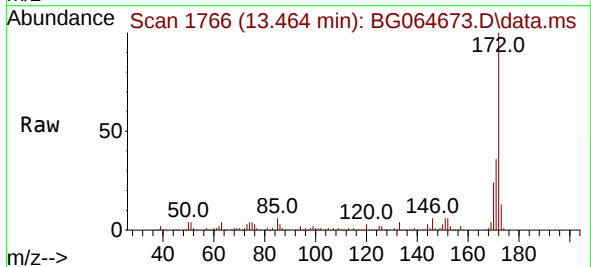
Instrument :
BNA_G
ClientSampleId :
PB170206BL

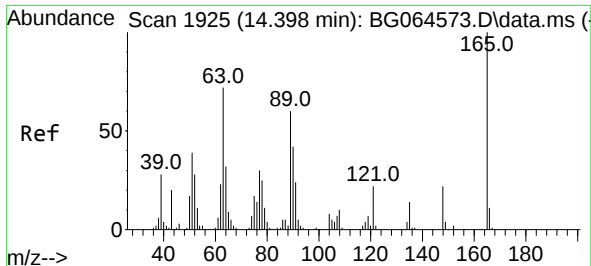
Tgt Ion:172 Resp: 604660
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 24.3 19.1 28.7



#48
2-Nitroaniline
Concen: 3.754 ng
RT: 13.464 min Scan# 1766
Delta R.T. -0.446 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

Tgt Ion: 65 Resp: 1000
Ion Ratio Lower Upper
65 100
92 163.8 48.3 72.5#
138 20.6 74.9 112.3#

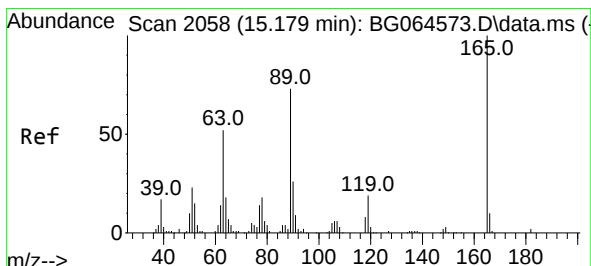
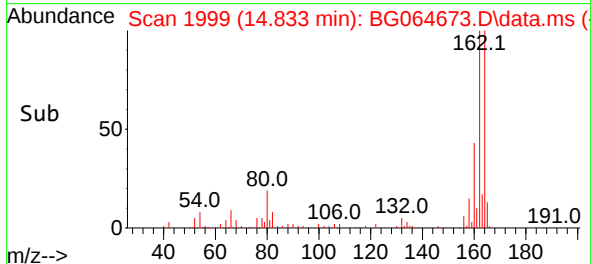
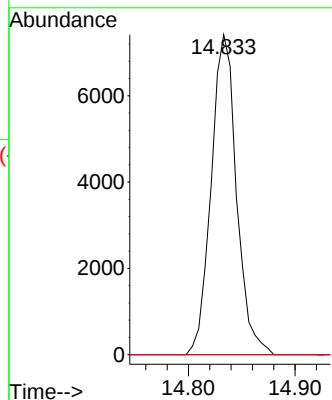
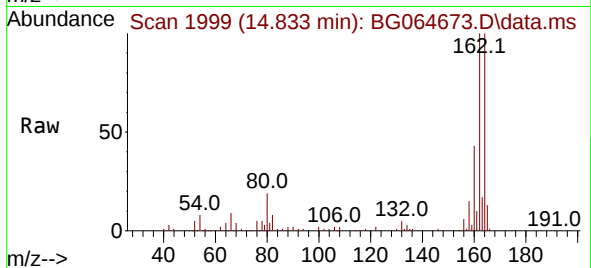




#51
2,6-Dinitrotoluene
Concen: 12.428 ng
RT: 14.833 min Scan# 1999
Delta R.T. 0.435 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

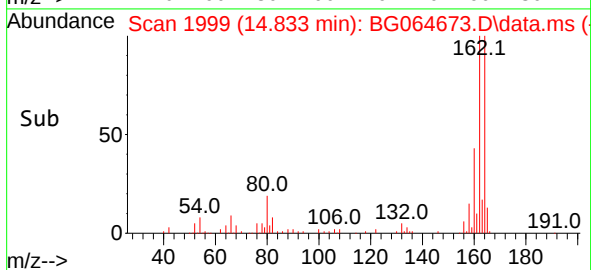
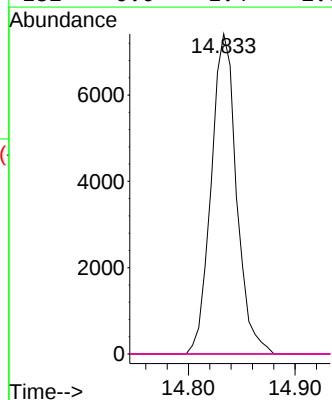
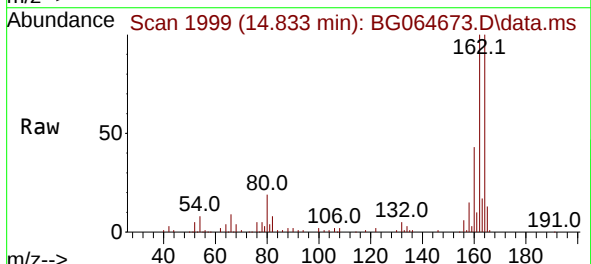
Instrument :
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ClientSampleId :
PB170206BL

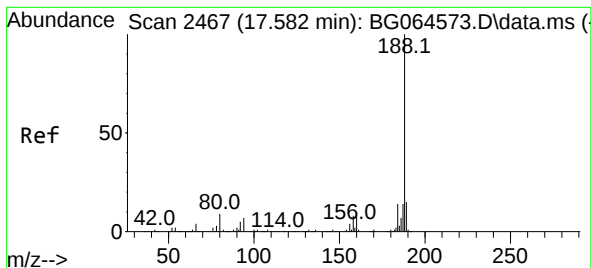
Tgt Ion:165 Resp: 12233
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.043 ng
RT: 14.833 min Scan# 1999
Delta R.T. -0.346 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

Tgt Ion:165 Resp: 12233
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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.571 min Scan# 2465

Delta R.T. -0.011 min

Lab File: BG064673.D

Acq: 3 Nov 2025 15:16

Instrument :

BNA_G

ClientSampleId :

PB170206BL

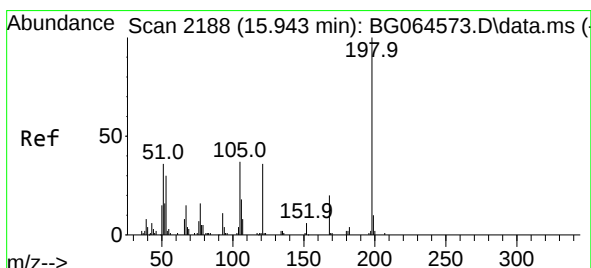
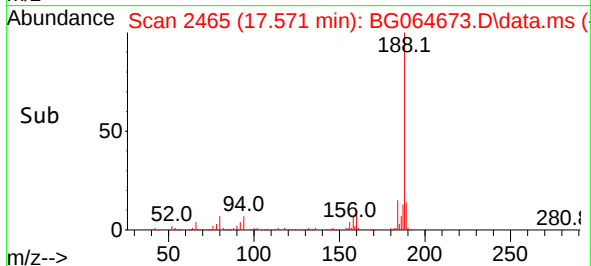
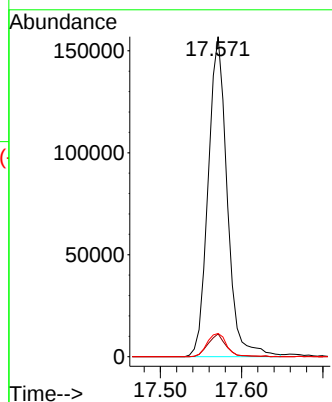
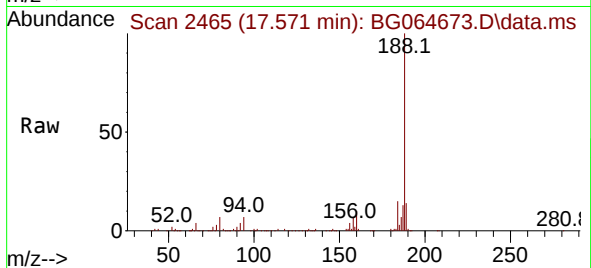
Tgt Ion:188 Resp: 255703

Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 7.2 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.624 ng

RT: 16.302 min Scan# 2249

Delta R.T. 0.359 min

Lab File: BG064673.D

Acq: 3 Nov 2025 15:16

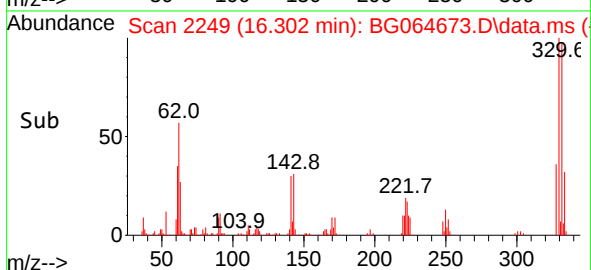
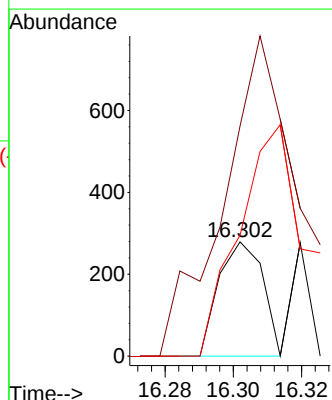
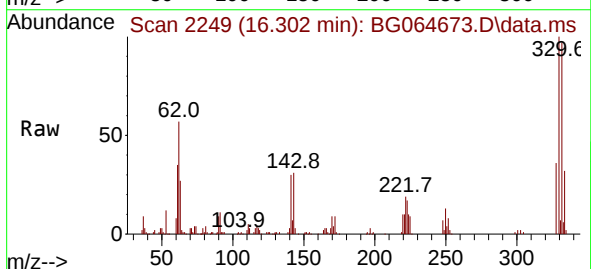
Tgt Ion:198 Resp: 250

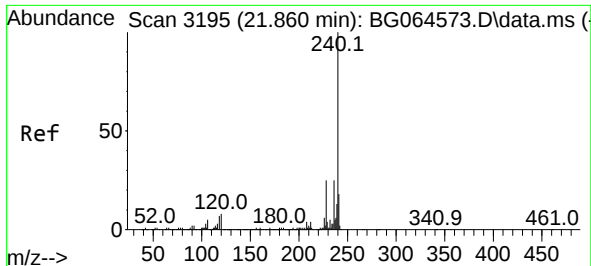
Ion Ratio Lower Upper

198 100

51 201.4 24.7 64.7#

105 105.7 18.0 58.0#

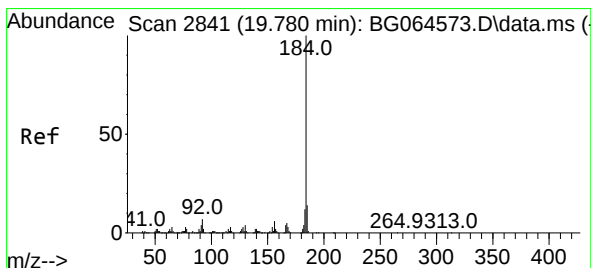
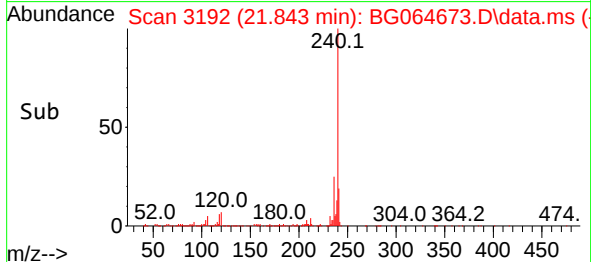
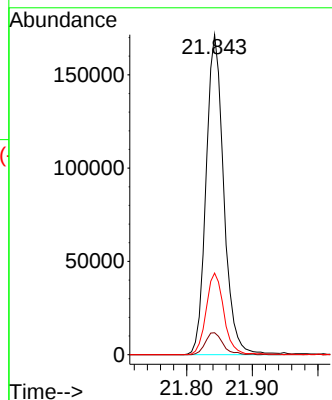
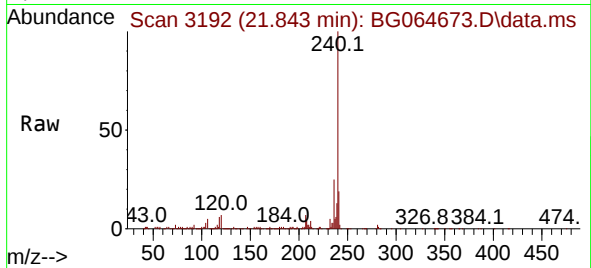




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.843 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

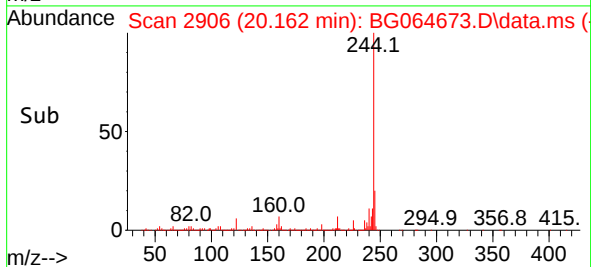
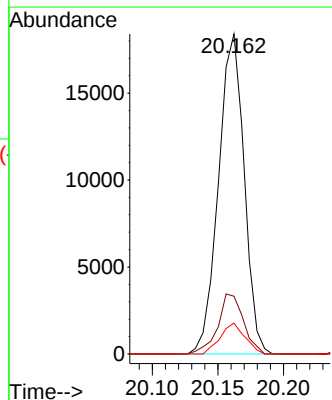
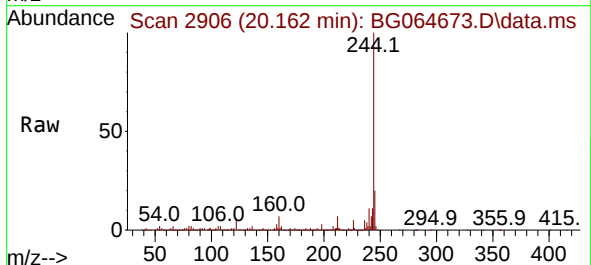
Instrument :
BNA_G
ClientSampleId :
PB170206BL

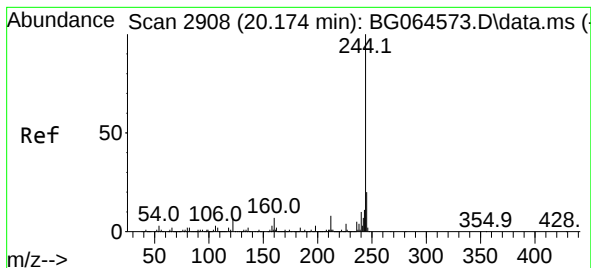
Tgt Ion:240 Resp: 321187
Ion Ratio Lower Upper
240 100
120 6.9 6.5 9.7
236 25.5 20.2 30.2



#77
Benzidine
Concen: 3.468 ng
RT: 20.162 min Scan# 2906
Delta R.T. 0.382 min
Lab File: BG064673.D
Acq: 3 Nov 2025 15:16

Tgt Ion:184 Resp: 24956
Ion Ratio Lower Upper
184 100
185 18.0 11.4 17.2#
183 9.7 9.4 14.2





#79

Terphenyl-d14

Concen: 96.545 ng

RT: 20.162 min Scan# 2906

Delta R.T. -0.011 min

Lab File: BG064673.D

Acq: 3 Nov 2025 15:16

Instrument :

BNA_G

ClientSampleId :

PB170206BL

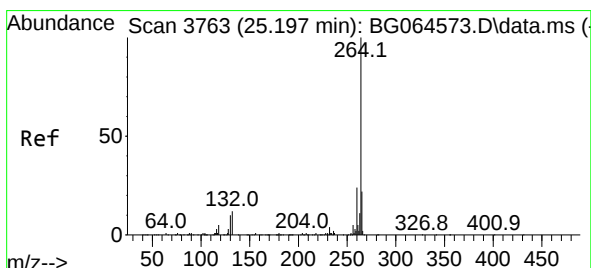
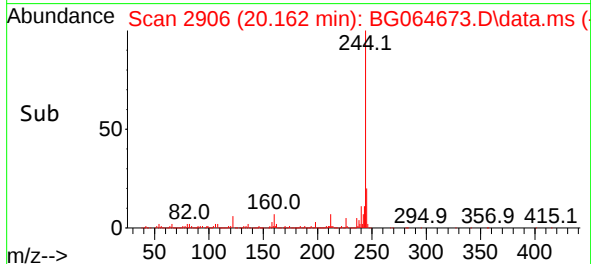
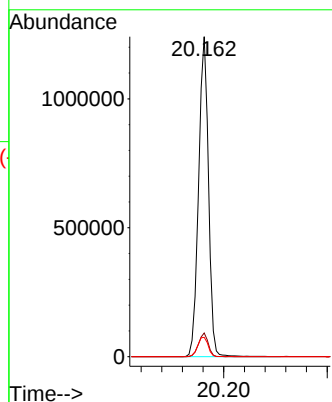
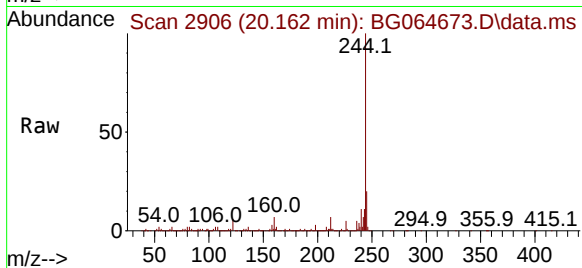
Tgt Ion:244 Resp: 1643150

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.1 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.174 min Scan# 3759

Delta R.T. -0.023 min

Lab File: BG064673.D

Acq: 3 Nov 2025 15:16

Tgt Ion:264 Resp: 341510

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 20.8 17.6 26.4

