

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110325\
 Data File : BG064677.D
 Acq On : 3 Nov 2025 18:00
 Operator : RC/JU
 Sample : PB170172TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170172TB

Quant Time: Nov 04 00:44:30 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)

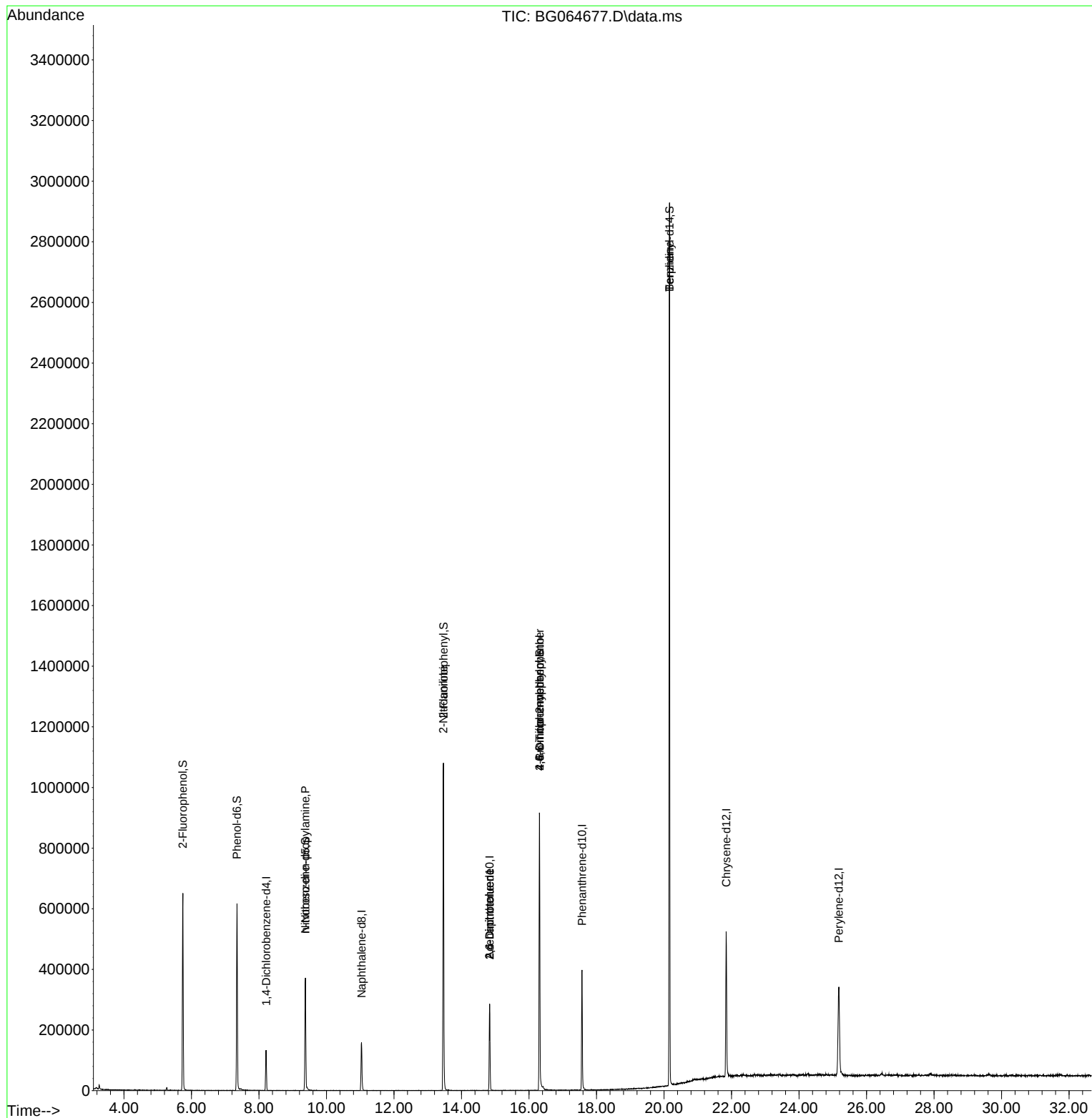
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.211	152	38354	20.000	ng	-0.01
21) Naphthalene-d8	11.037	136	143910	20.000	ng	-0.01
39) Acenaphthene-d10	14.832	164	111139	20.000	ng	-0.01
64) Phenanthrene-d10	17.570	188	282768	20.000	ng	-0.01
76) Chrysene-d12	21.842	240	350601	20.000	ng	-0.02
86) Perylene-d12	25.179	264	374940	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	254340	111.307	ng	0.00
7) Phenol-d6	7.347	99	324699	103.555	ng	0.00
23) Nitrobenzene-d5	9.374	82	213480	89.099	ng	-0.01
42) 2,4,6-Tribromophenol	16.313	330	226003	140.893	ng	0.00
45) 2-Fluorobiphenyl	13.463	172	606640	82.735	ng	-0.01
79) Terphenyl-d14	20.161	244	1512692	81.423	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.374	70	29259	13.502	ng	# 72
48) 2-Nitroaniline	13.457	65	808	3.601	ng	# 1
51) 2,6-Dinitrotoluene	14.832	165	13624	12.256	ng	# 18
57) 2,4-Dinitrotoluene	14.832	165	13624	8.931	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.313	198	419	5.725	ng	# 65
67) 4-Bromophenyl-phenylether	16.313	248	13792	4.116	ng	# 1
77) Benzydine	20.161	184	23363	2.974	ng	# 95

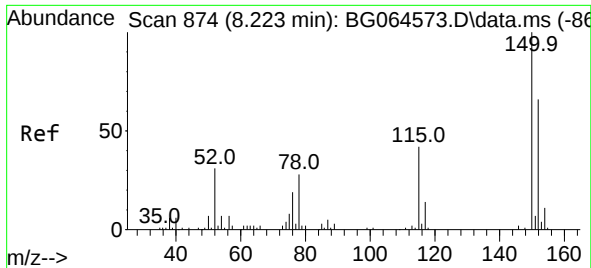
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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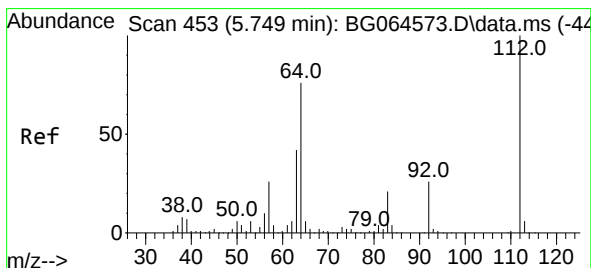
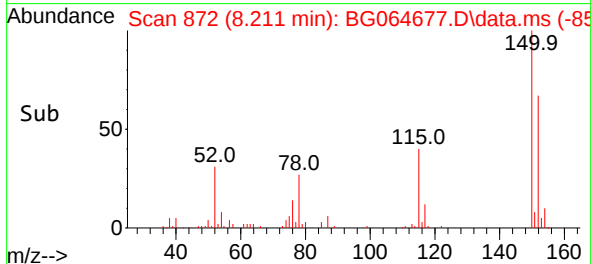
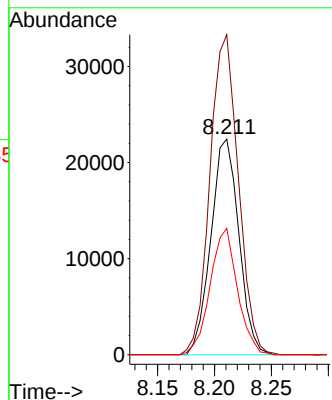
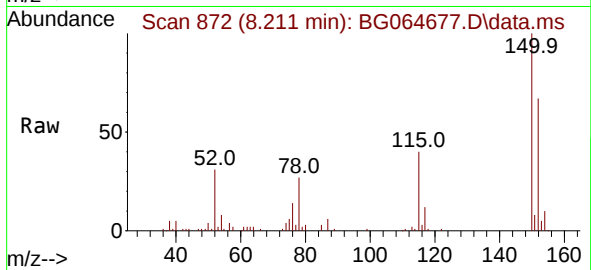




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.211 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

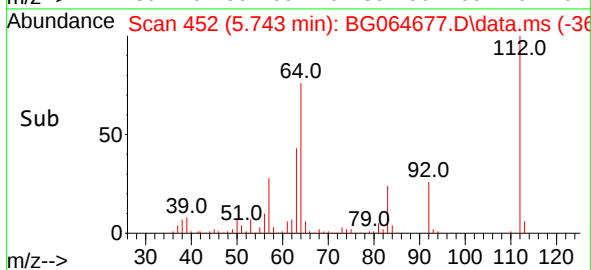
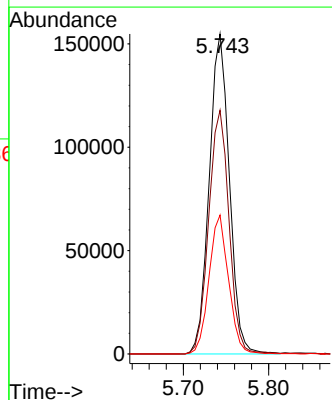
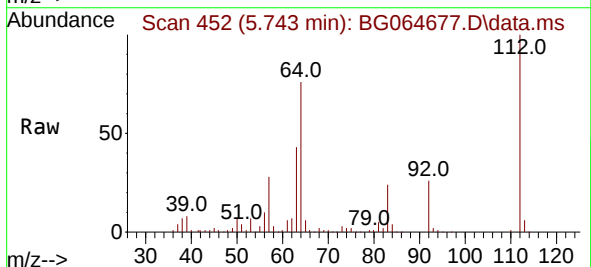
Instrument :
BNA_G
ClientSampleId :
PB170172TB

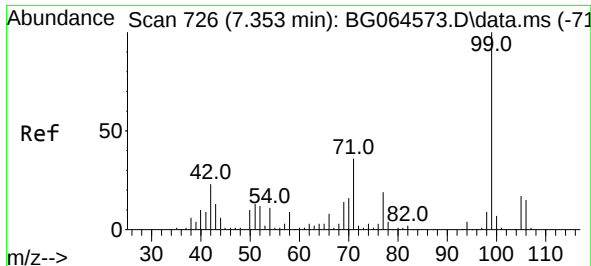
Tgt Ion:152 Resp: 38354
Ion Ratio Lower Upper
152 100
150 148.3 122.2 183.4
115 58.6 50.8 76.2



#5
2-Fluorophenol
Concen: 111.307 ng
RT: 5.743 min Scan# 452
Delta R.T. -0.006 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

Tgt Ion:112 Resp: 254340
Ion Ratio Lower Upper
112 100
64 76.2 60.7 91.1
63 43.4 33.4 50.0

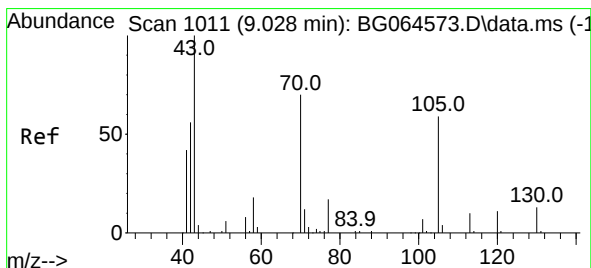
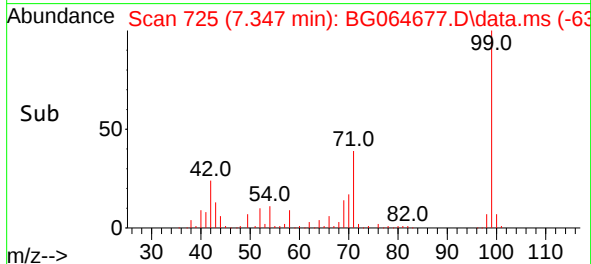
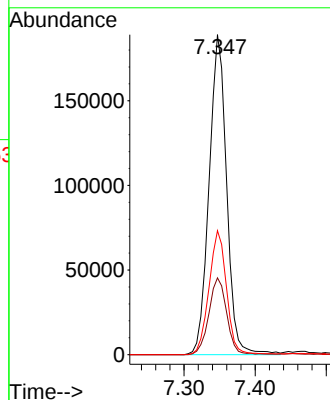
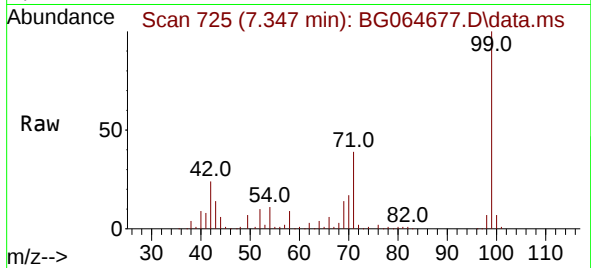




#7
Phenol-d6
Concen: 103.555 ng
RT: 7.347 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

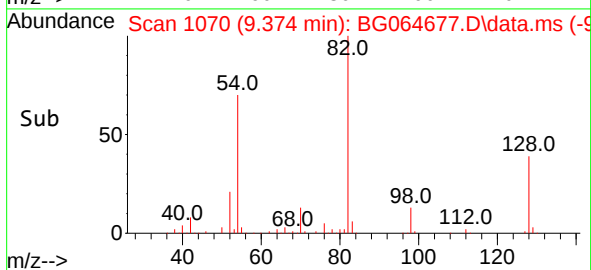
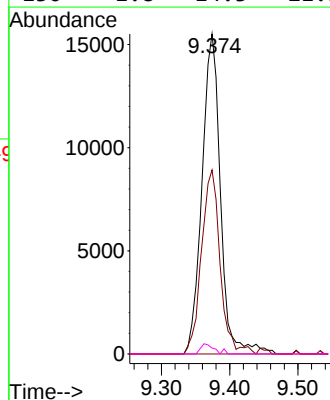
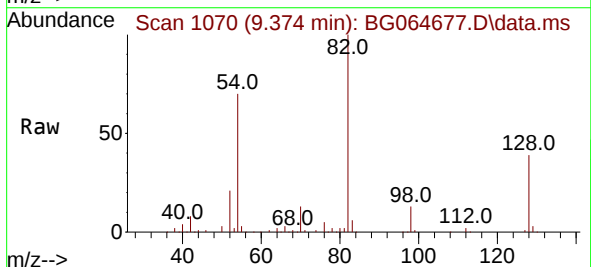
Instrument :
BNA_G
ClientSampleId :
PB170172TB

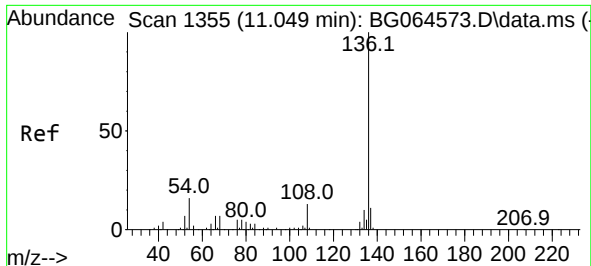
Tgt Ion: 99 Resp: 324699
Ion Ratio Lower Upper
99 100
42 24.0 18.3 27.5
71 38.8 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.502 ng
RT: 9.374 min Scan# 1070
Delta R.T. 0.346 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

Tgt Ion: 70 Resp: 29259
Ion Ratio Lower Upper
70 100
42 57.5 65.2 97.8#
101 0.0 7.9 11.9#
130 1.8 14.3 21.5#

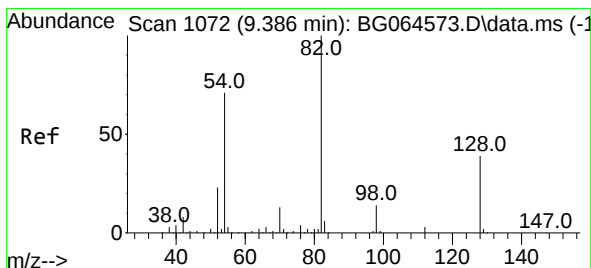
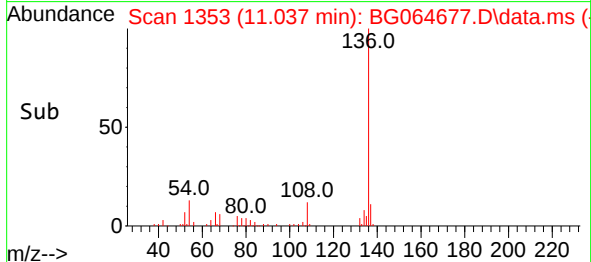
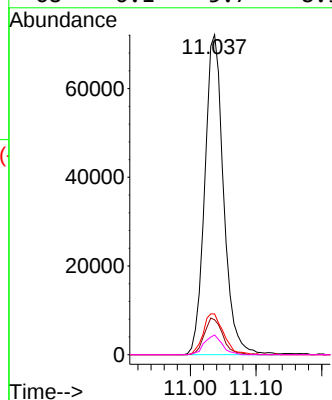
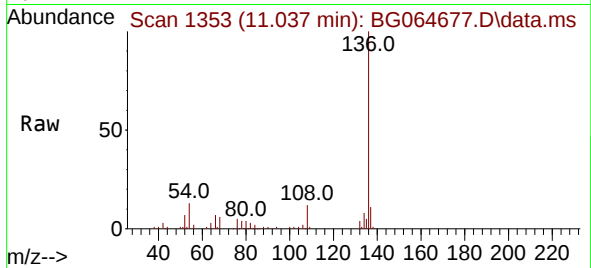




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.037 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

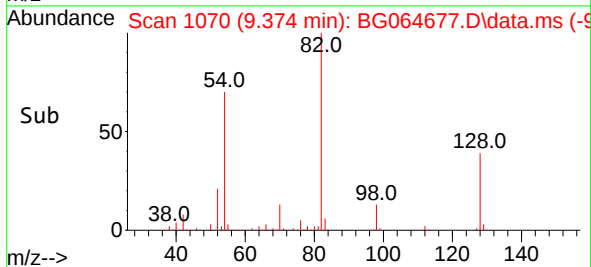
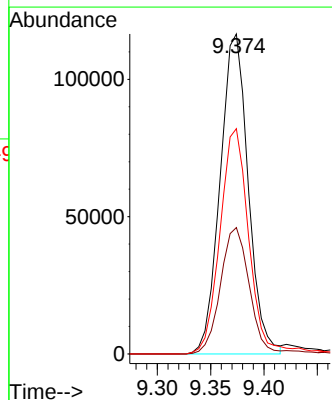
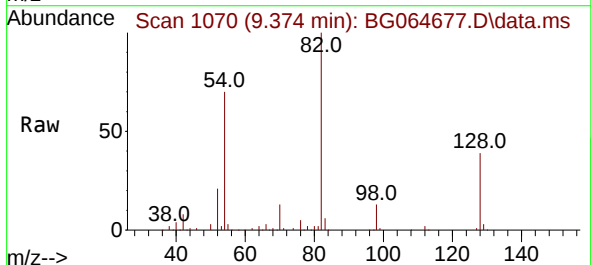
Instrument :
BNA_G
ClientSampleId :
PB170172TB

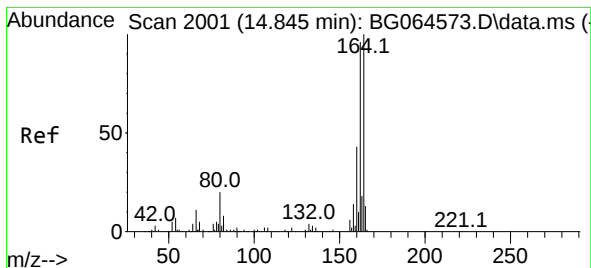
Tgt Ion:136 Resp: 143910
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 12.8 12.6 19.0
68 6.1 5.7 8.5



#23
Nitrobenzene-d5
Concen: 89.099 ng
RT: 9.374 min Scan# 1070
Delta R.T. -0.012 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

Tgt Ion: 82 Resp: 213480
Ion Ratio Lower Upper
82 100
128 39.5 31.3 46.9
54 70.4 56.6 84.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.832 min Scan# 1999

Delta R.T. -0.012 min

Lab File: BG064677.D

Acq: 3 Nov 2025 18:00

Instrument :

BNA_G

ClientSampleId :

PB170172TB

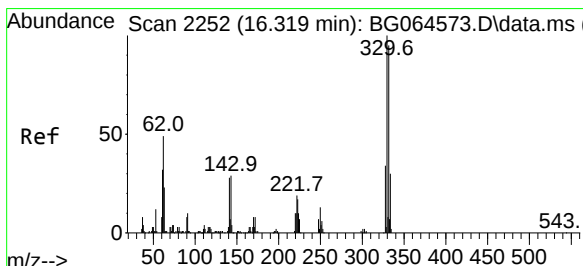
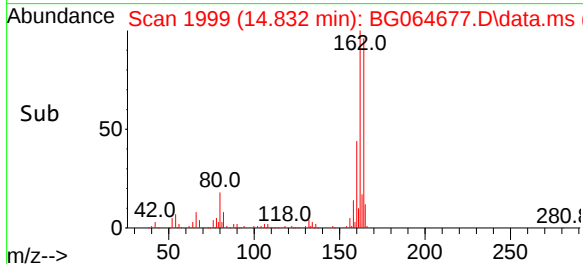
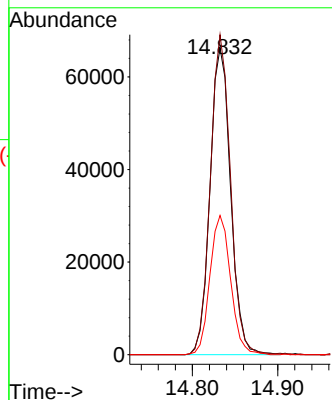
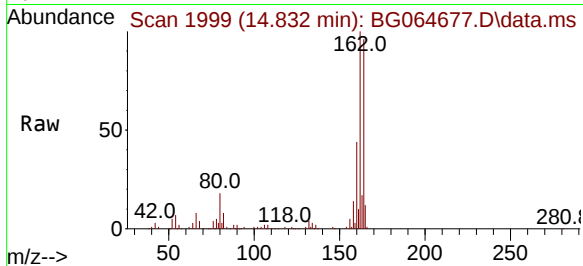
Tgt Ion:164 Resp: 111139

Ion Ratio Lower Upper

164 100

162 104.4 77.0 115.6

160 45.4 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 140.893 ng

RT: 16.313 min Scan# 2251

Delta R.T. -0.006 min

Lab File: BG064677.D

Acq: 3 Nov 2025 18:00

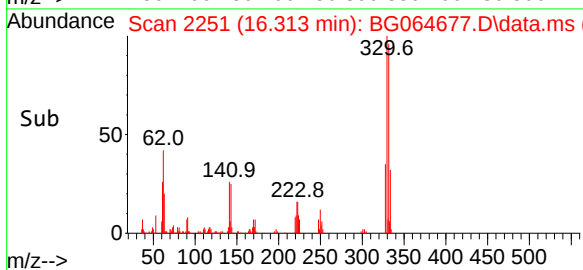
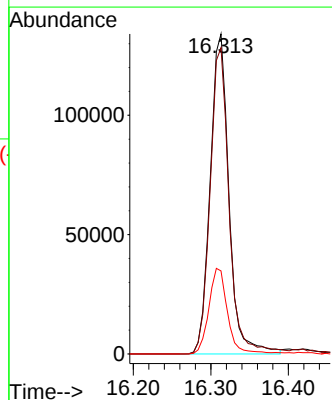
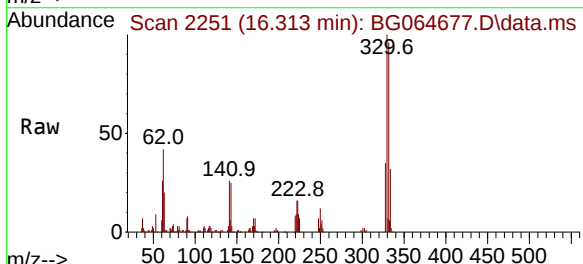
Tgt Ion:330 Resp: 226003

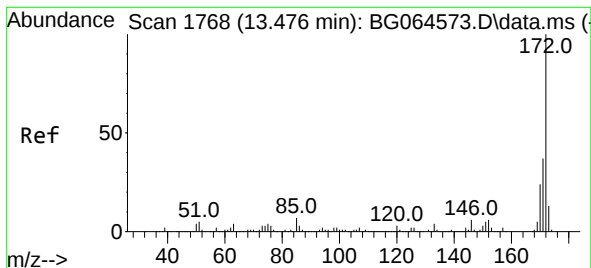
Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 26.7 21.8 32.6

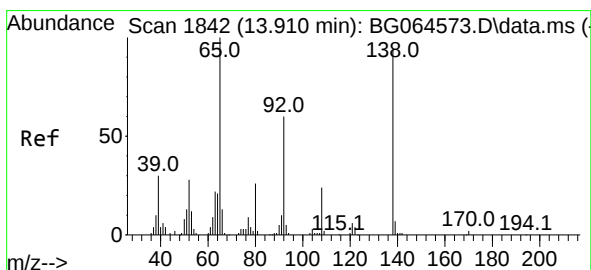
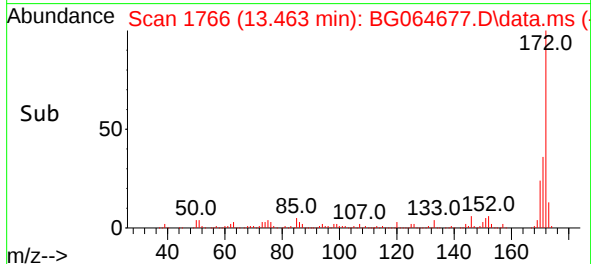
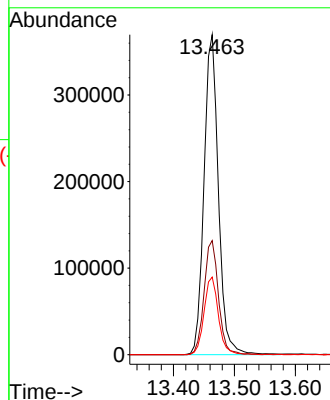
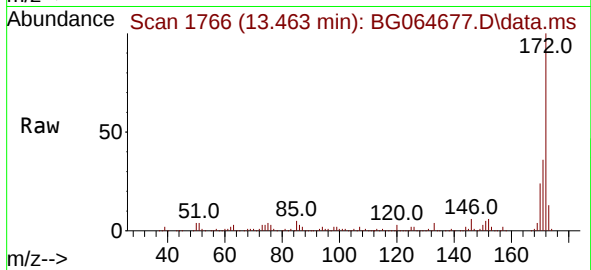




#45
2-Fluorobiphenyl
Concen: 82.735 ng
RT: 13.463 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

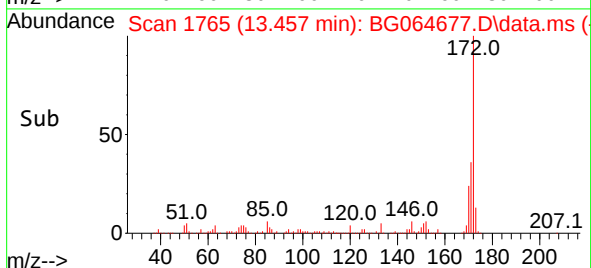
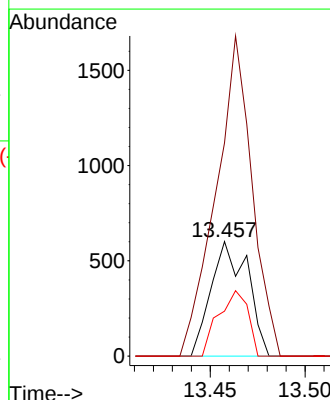
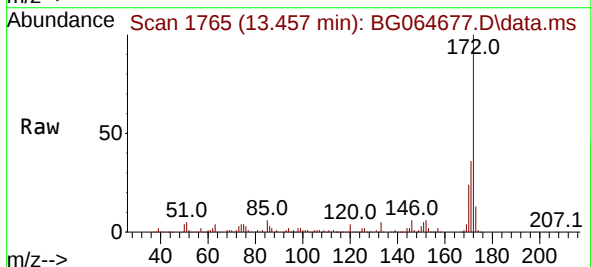
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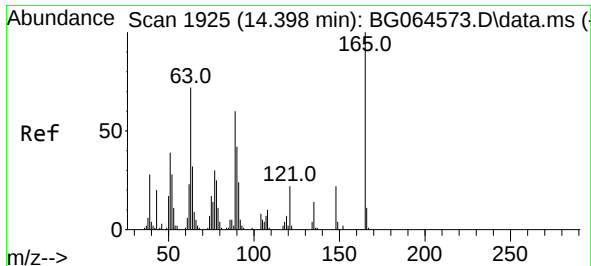
Tgt Ion:172 Resp: 606640
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.3 19.1 28.7



#48
2-Nitroaniline
Concen: 3.601 ng
RT: 13.457 min Scan# 1765
Delta R.T. -0.453 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

Tgt Ion: 65 Resp: 808
Ion Ratio Lower Upper
65 100
92 186.4 48.3 72.5#
138 39.3 74.9 112.3#

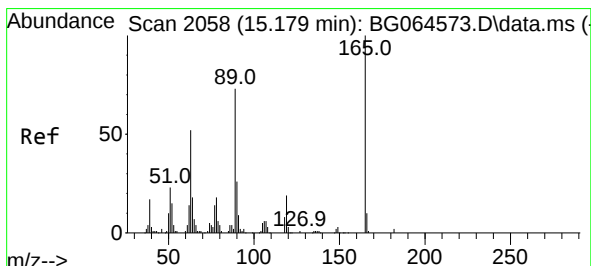
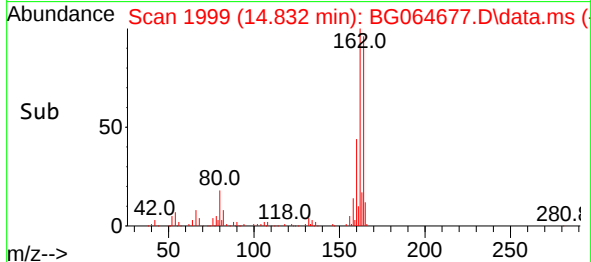
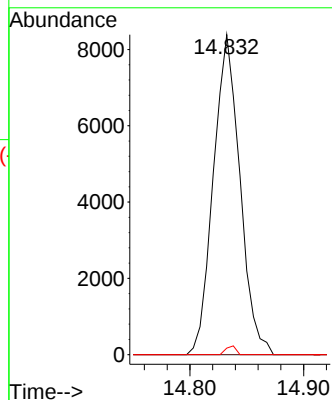
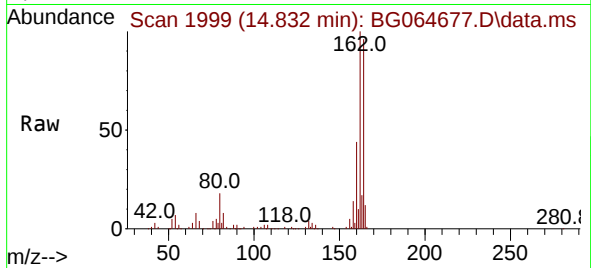




#51
2,6-Dinitrotoluene
Concen: 12.256 ng
RT: 14.832 min Scan# 1999
Delta R.T. 0.434 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

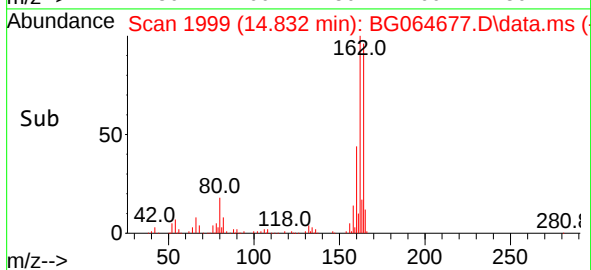
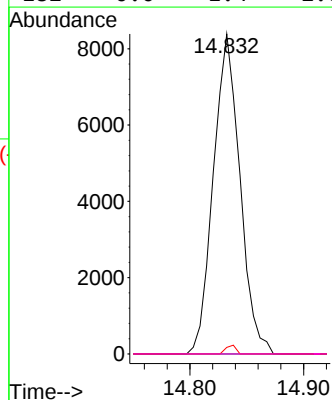
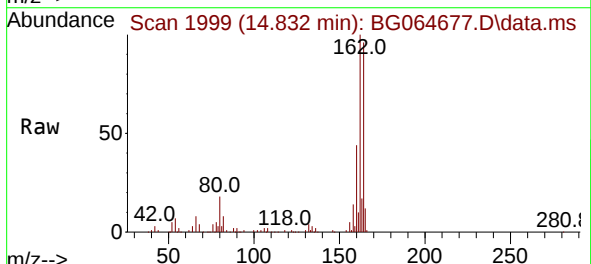
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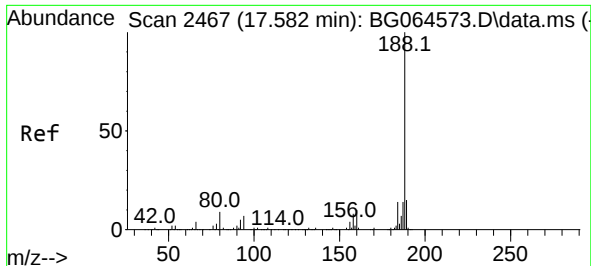
Tgt Ion:165 Resp: 13624
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 2.1 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 8.931 ng
RT: 14.832 min Scan# 1999
Delta R.T. -0.347 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

Tgt Ion:165 Resp: 13624
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 2.1 58.1 87.1#
182 0.0 1.4 2.0#

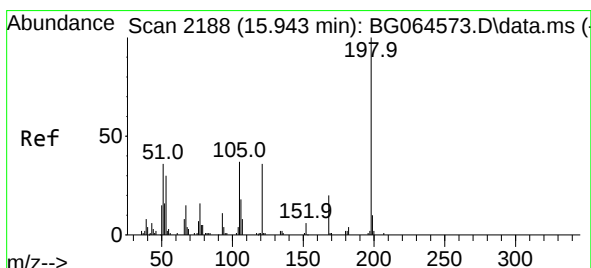
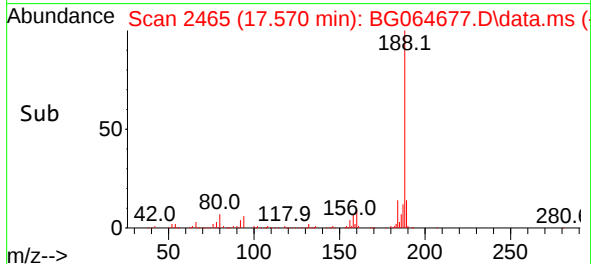
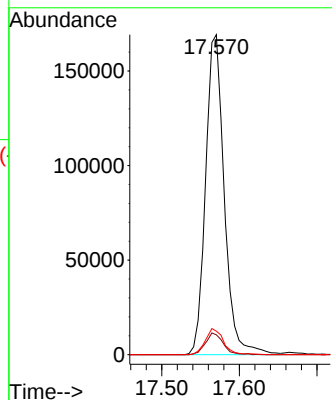
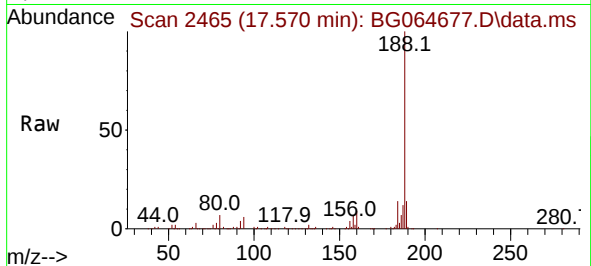




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.570 min Scan# 2467
Delta R.T. -0.012 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

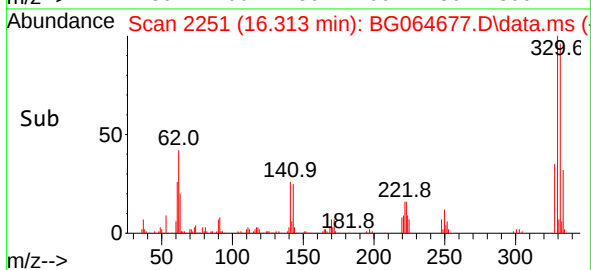
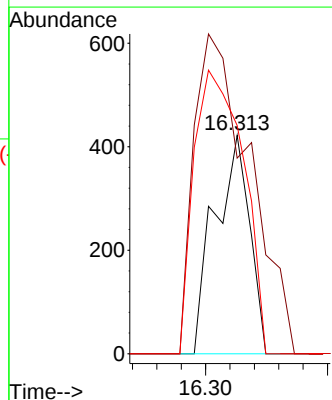
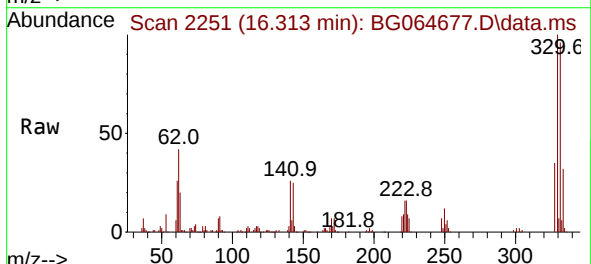
Instrument :
BNA_G
ClientSampleId :
PB170172TB

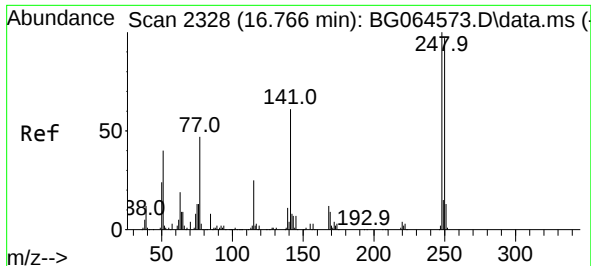
Tgt Ion:188 Resp: 282768
Ion Ratio Lower Upper
188 100
94 6.2 5.7 8.5
80 7.4 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.725 ng
RT: 16.313 min Scan# 2251
Delta R.T. 0.370 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

Tgt Ion:198 Resp: 419
Ion Ratio Lower Upper
198 100
51 18.3 24.7 64.7#
105 21.3 18.0 58.0

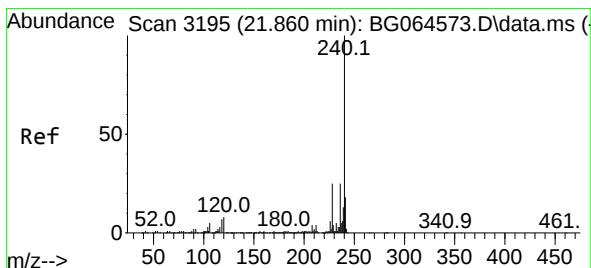
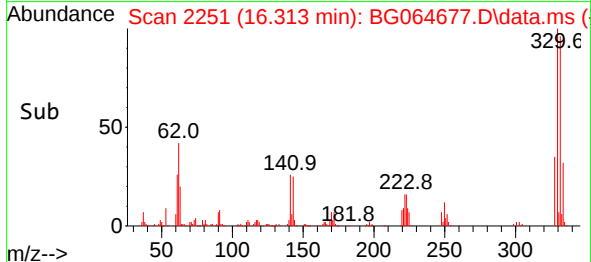
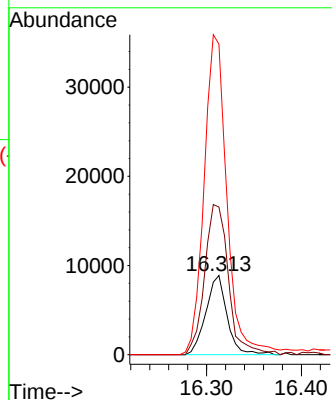
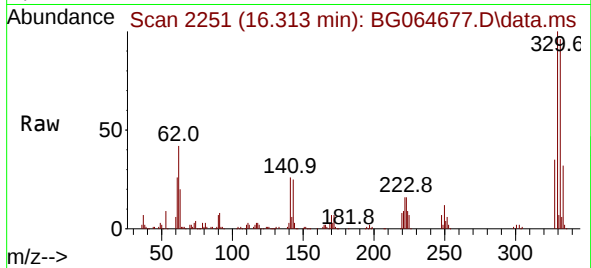




#67
4-Bromophenyl-phenylether
Concen: 4.116 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

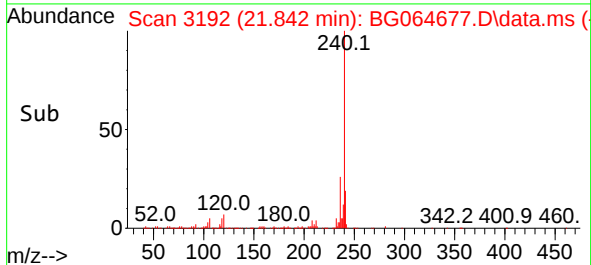
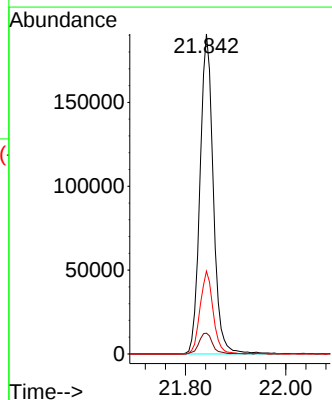
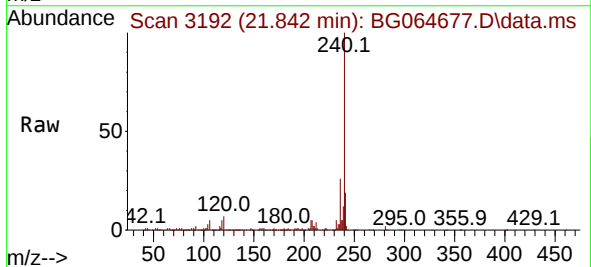
Instrument :
BNA_G
ClientSampleId :
PB170172TB

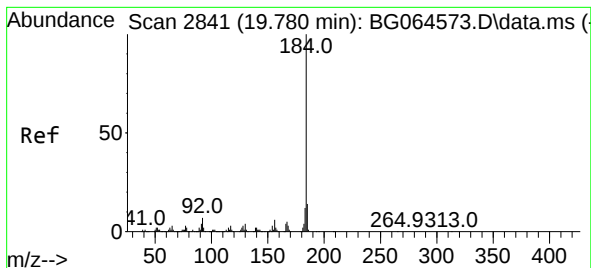
Tgt Ion:248 Resp: 13792
Ion Ratio Lower Upper
248 100
250 191.0 77.7 116.5#
141 304.4 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.842 min Scan# 3192
Delta R.T. -0.018 min
Lab File: BG064677.D
Acq: 3 Nov 2025 18:00

Tgt Ion:240 Resp: 350601
Ion Ratio Lower Upper
240 100
120 6.5 6.5 9.7
236 25.9 20.2 30.2





#77

Benzidine

Concen: 2.974 ng

RT: 20.161 min Scan# 2906

Delta R.T. 0.381 min

Lab File: BG064677.D

Acq: 3 Nov 2025 18:00

Instrument :

BNA_G

ClientSampleId :

PB170172TB

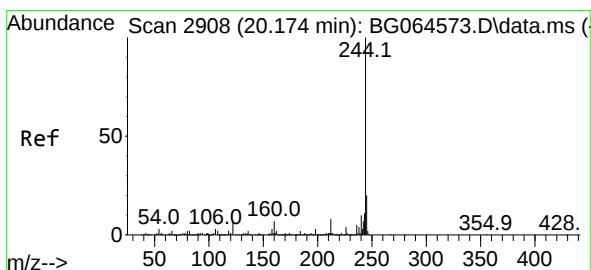
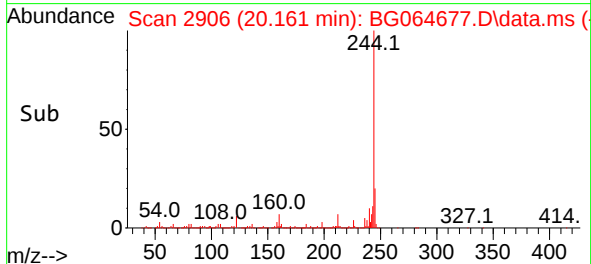
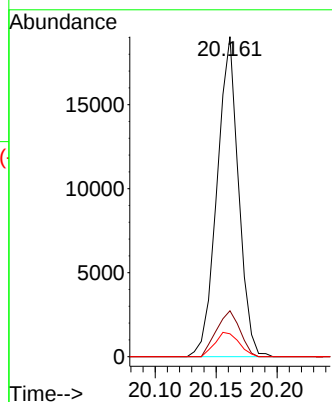
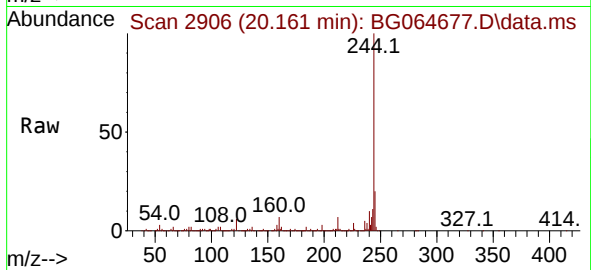
Tgt Ion:184 Resp: 23363

Ion Ratio Lower Upper

184 100

185 14.4 11.4 17.2

183 7.2 9.4 14.2#



#79

Terphenyl-d14

Concen: 81.423 ng

RT: 20.161 min Scan# 2906

Delta R.T. -0.012 min

Lab File: BG064677.D

Acq: 3 Nov 2025 18:00

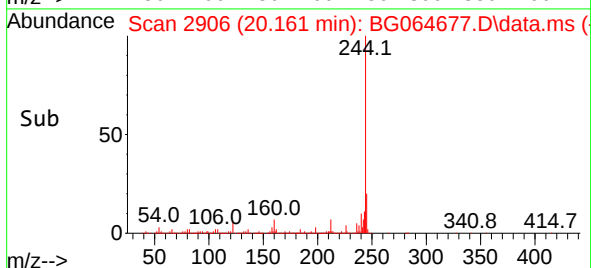
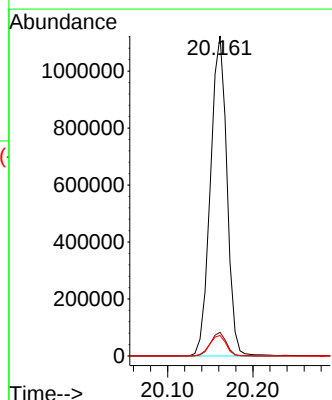
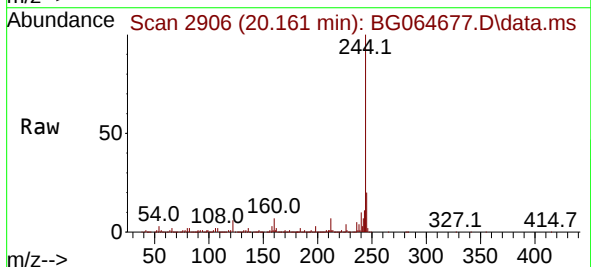
Tgt Ion:244 Resp: 1512692

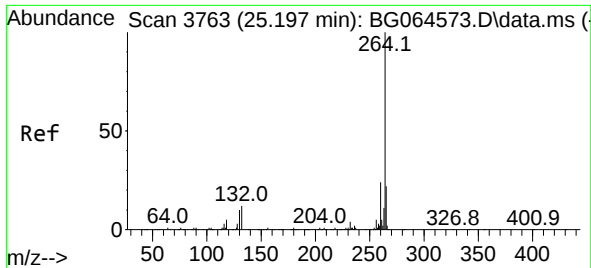
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.4 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.179 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BG064677.D
 Acq: 3 Nov 2025 18:00

Instrument :
 BNA_G
 ClientSampleId :
 PB170172TB

Tgt Ion:264 Resp: 374940
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 21.8 17.6 26.4

