

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
 Data File : BG064054.D
 Acq On : 5 Mar 2025 15:50
 Operator : RC/JU
 Sample : PB166970BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB166970BL

Quant Time: Mar 05 16:23:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

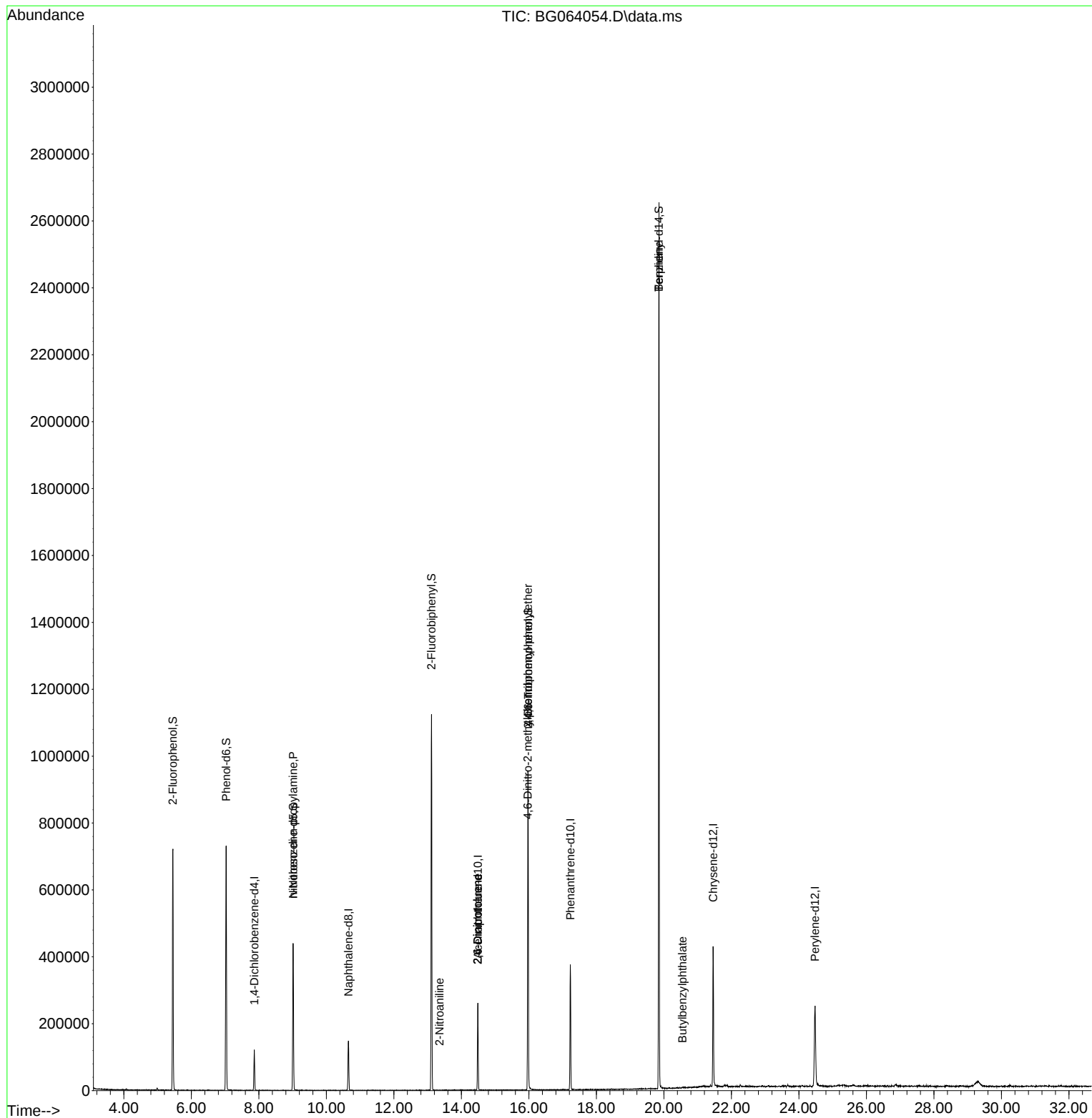
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	28122	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	117232	20.000	ng	0.00
39) Acenaphthene-d10	14.489	164	83259	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	220855	20.000	ng	0.00
76) Chrysene-d12	21.457	240	228701	20.000	ng	0.00
86) Perylene-d12	24.477	264	245836	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	272588	151.352	ng	0.00
7) Phenol-d6	7.027	99	352619	143.921	ng	0.00
23) Nitrobenzene-d5	9.013	82	225220	106.166	ng	0.00
42) 2,4,6-Tribromophenol	15.976	330	161205	174.185	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	552959	100.809	ng	0.00
79) Terphenyl-d14	19.853	244	1224584	108.268	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.013	70	31152	18.117	ng	# 70
48) 2-Nitroaniline	13.355	65	71	3.263	ng	# 11
51) 2,6-Dinitrotoluene	14.483	165	11707	12.090	ng	# 15
57) 2,4-Dinitrotoluene	14.483	165	11707	9.934	ng	# 16
65) 4,6-Dinitro-2-methylph...	15.964	198	690	8.779	ng	# 1
67) 4-Bromophenyl-phenylether	15.970	248	11324	5.006	ng	# 1
77) Benzidine	19.853	184	21872	6.907	ng	# 93
80) Butylbenzylphthalate	20.547	149	552	3.730	ng	# 74

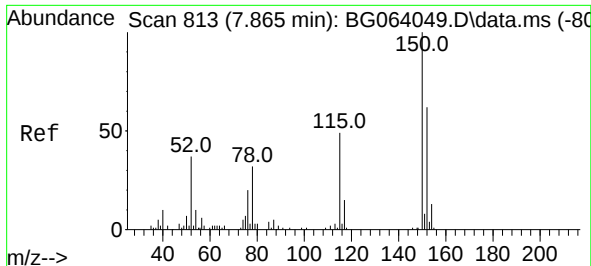
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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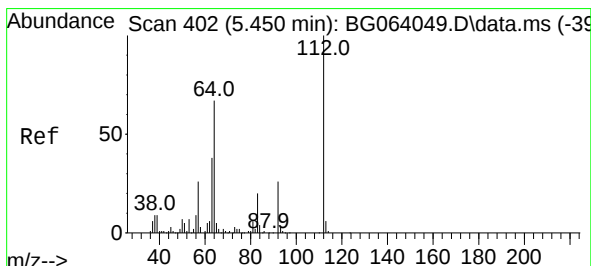
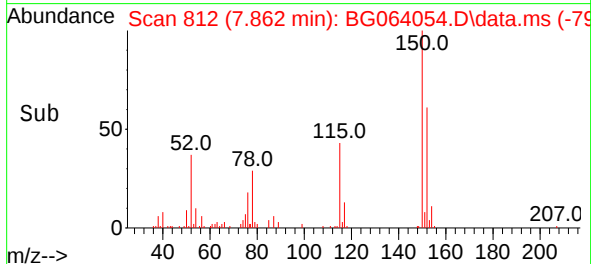
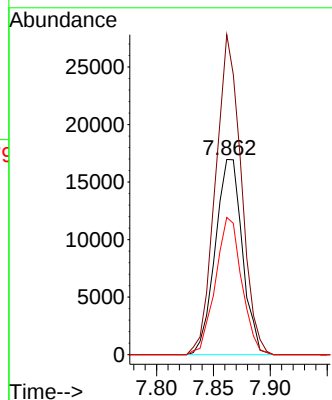
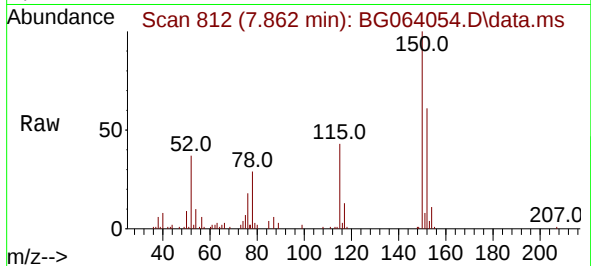




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

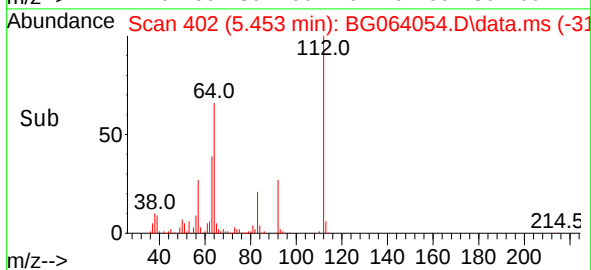
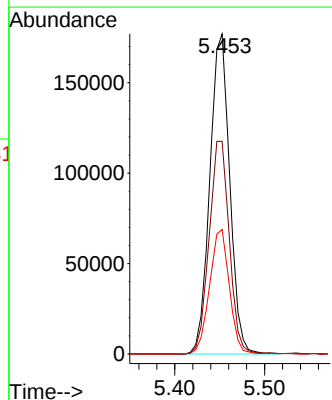
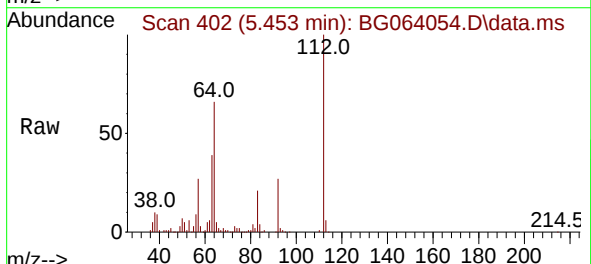
Instrument :
BNA_G
ClientSampleId :
PB166970BL

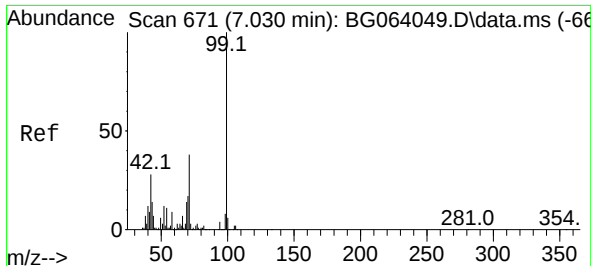
Tgt Ion:152 Resp: 28122
Ion Ratio Lower Upper
152 100
150 163.9 129.2 193.8
115 70.3 63.0 94.6



#5
2-Fluorophenol
Concen: 151.352 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Tgt Ion:112 Resp: 272588
Ion Ratio Lower Upper
112 100
64 66.5 53.7 80.5
63 38.9 30.2 45.4

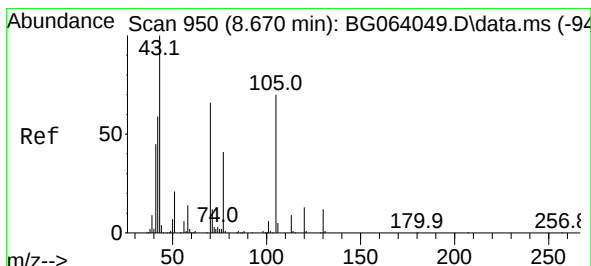
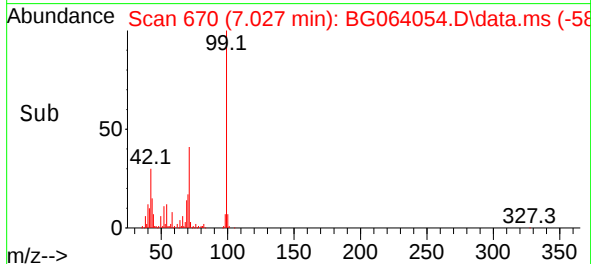
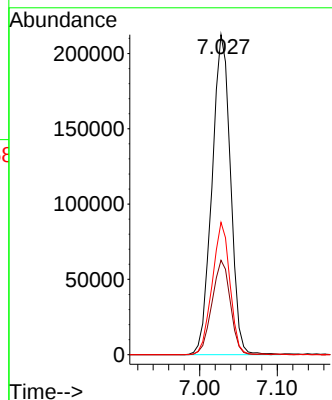
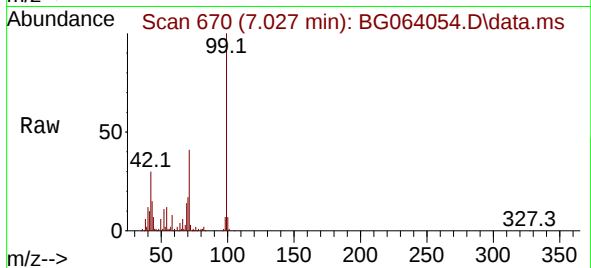




#7
Phenol-d6
Concen: 143.921 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

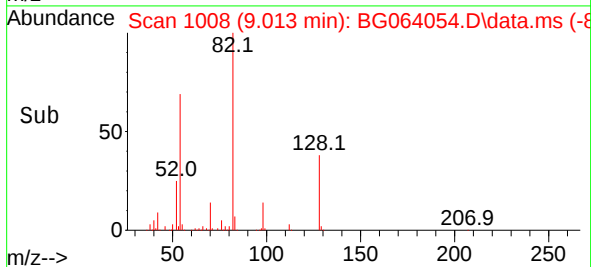
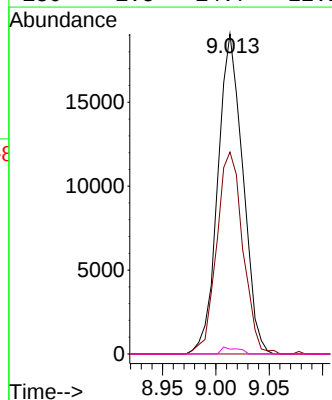
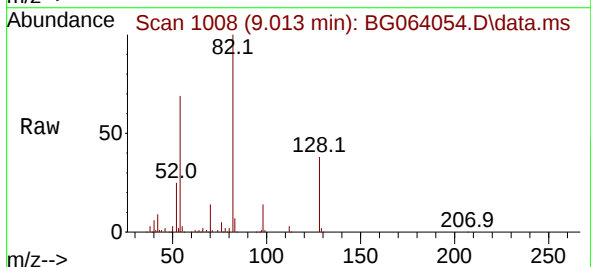
Instrument :
BNA_G
ClientSampleId :
PB166970BL

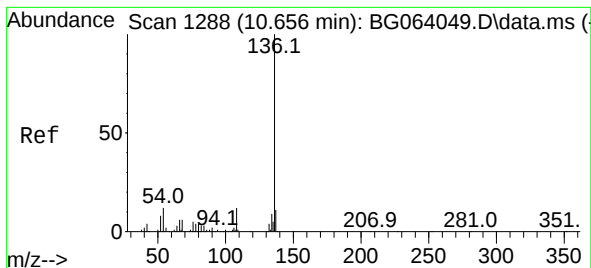
Tgt Ion: 99 Resp: 352619
Ion Ratio Lower Upper
99 100
42 29.5 22.7 34.1
71 41.3 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.117 ng
RT: 9.013 min Scan# 1008
Delta R.T. 0.344 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Tgt Ion: 70 Resp: 31152
Ion Ratio Lower Upper
70 100
42 63.1 72.1 108.1#
101 0.0 7.2 10.8#
130 1.5 14.7 22.1#

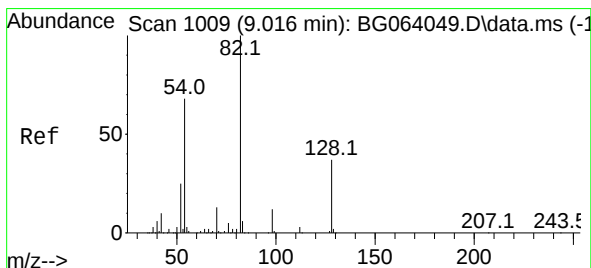
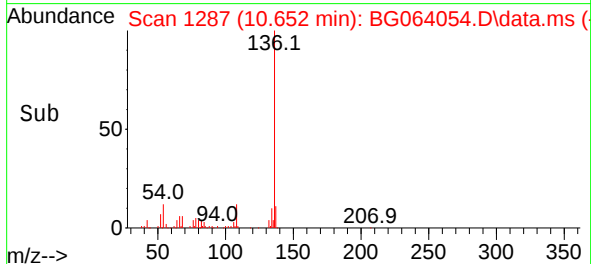
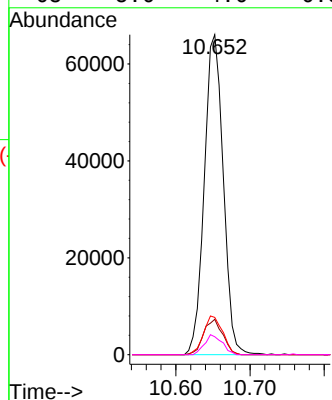
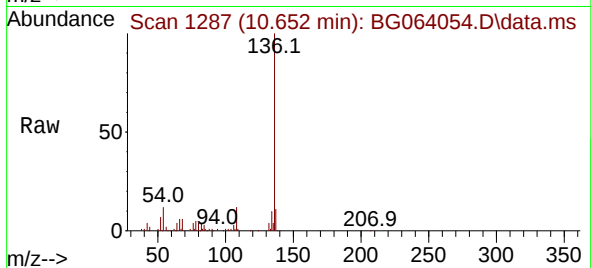




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

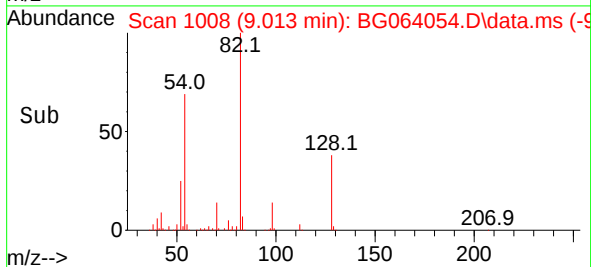
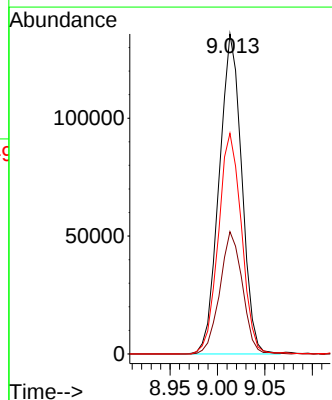
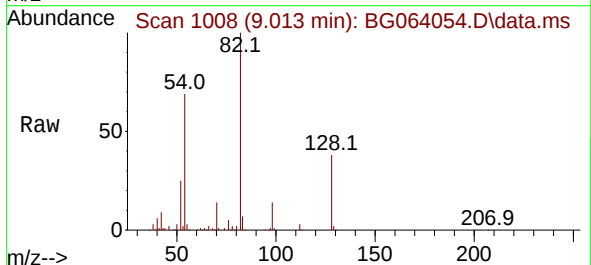
Instrument :
BNA_G
ClientSampleId :
PB166970BL

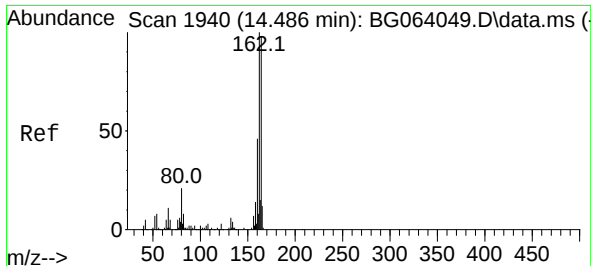
Tgt Ion:136 Resp: 117232
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.7 9.9 14.9
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 106.166 ng
RT: 9.013 min Scan# 1008
Delta R.T. -0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Tgt Ion: 82 Resp: 225220
Ion Ratio Lower Upper
82 100
128 38.2 30.0 45.0
54 68.9 54.7 82.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.489 min Scan# 1940

Delta R.T. 0.003 min

Lab File: BG064054.D

Acq: 5 Mar 2025 15:50

Instrument :

BNA_G

ClientSampleId :

PB166970BL

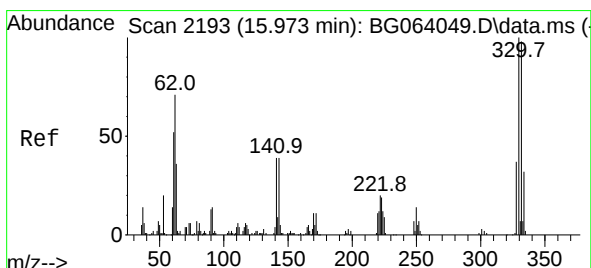
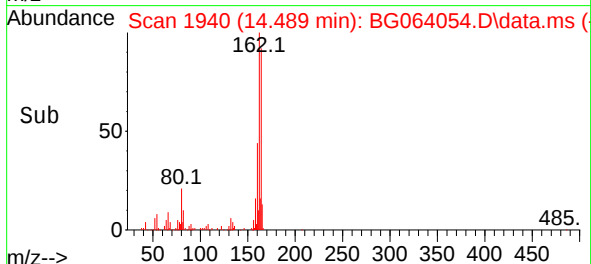
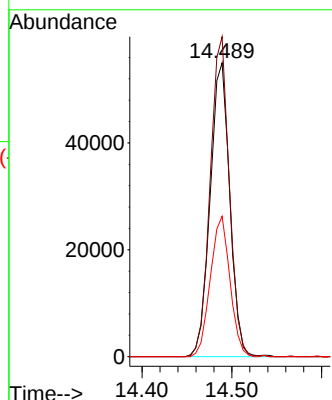
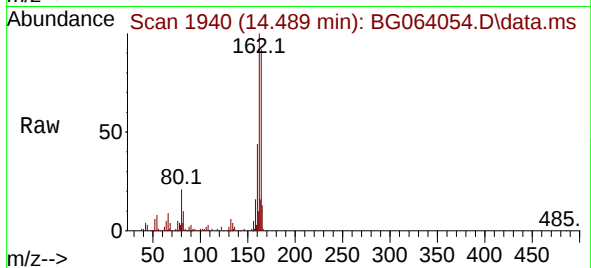
Tgt Ion:164 Resp: 83259

Ion Ratio Lower Upper

164 100

162 108.9 81.4 122.0

160 47.8 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 174.185 ng

RT: 15.976 min Scan# 2193

Delta R.T. 0.003 min

Lab File: BG064054.D

Acq: 5 Mar 2025 15:50

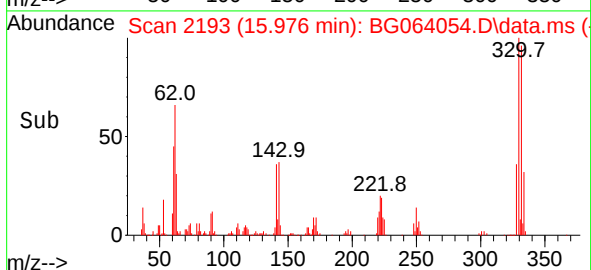
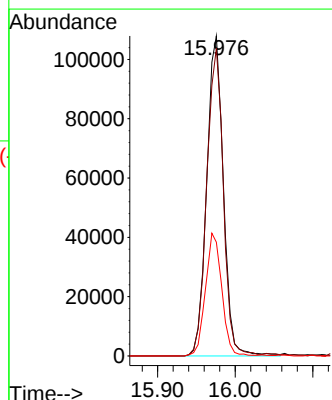
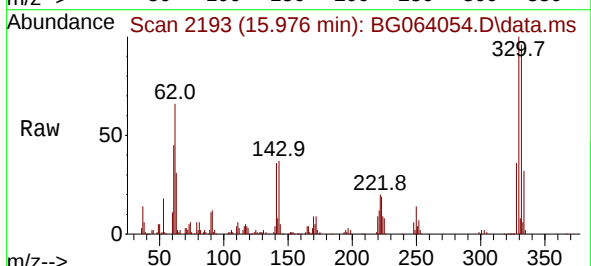
Tgt Ion:330 Resp: 161205

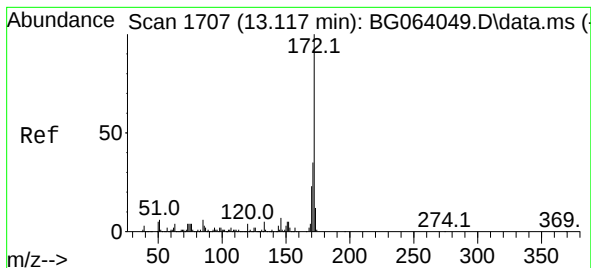
Ion Ratio Lower Upper

330 100

332 95.7 76.7 115.1

141 37.5 29.7 44.5





#45

2-Fluorobiphenyl

Concen: 100.809 ng

RT: 13.114 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG064054.D

Acq: 5 Mar 2025 15:50

Instrument :

BNA_G

ClientSampleId :

PB166970BL

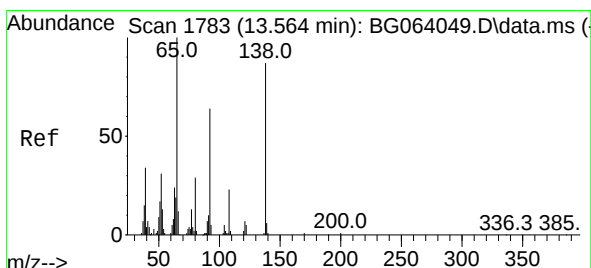
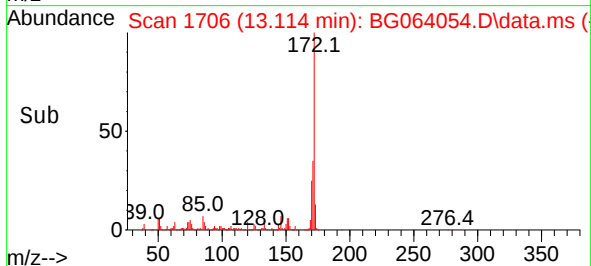
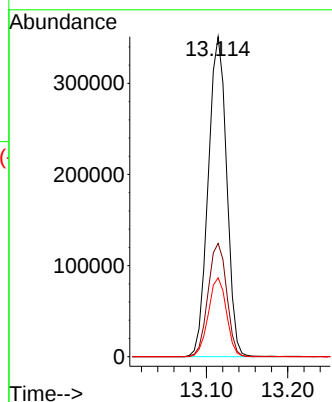
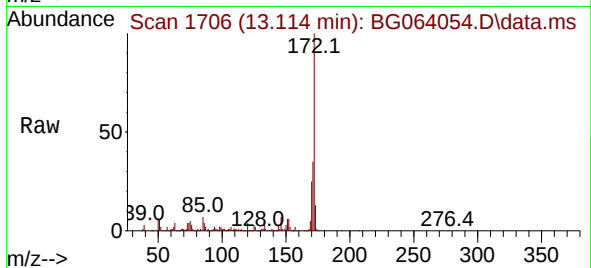
Tgt Ion:172 Resp: 552959

Ion Ratio Lower Upper

172 100

171 35.4 28.0 42.0

170 24.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.263 ng

RT: 13.355 min Scan# 1747

Delta R.T. -0.209 min

Lab File: BG064054.D

Acq: 5 Mar 2025 15:50

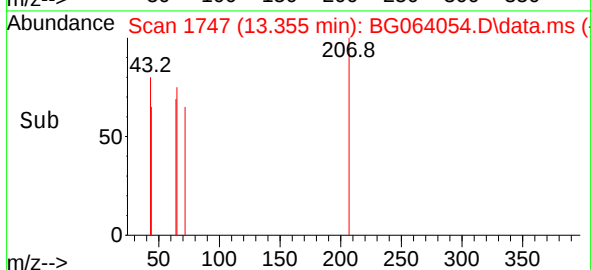
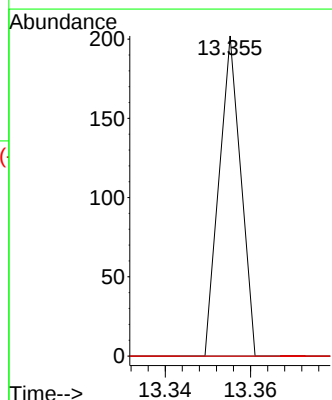
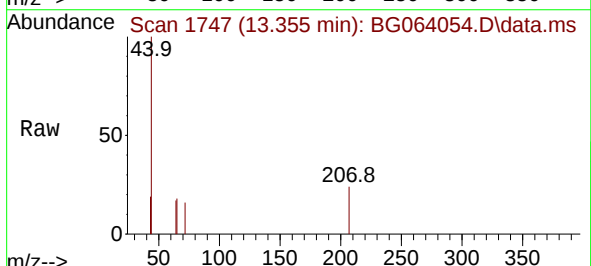
Tgt Ion: 65 Resp: 71

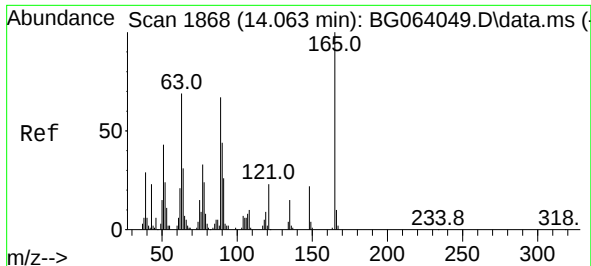
Ion Ratio Lower Upper

65 100

92 0.0 51.2 76.8#

138 0.0 69.4 104.2#

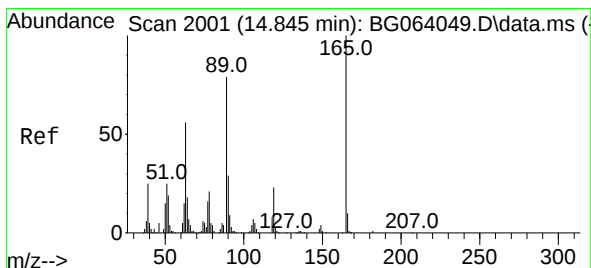
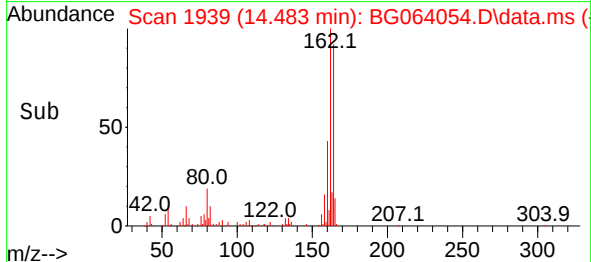
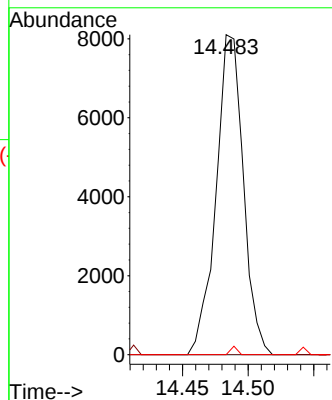
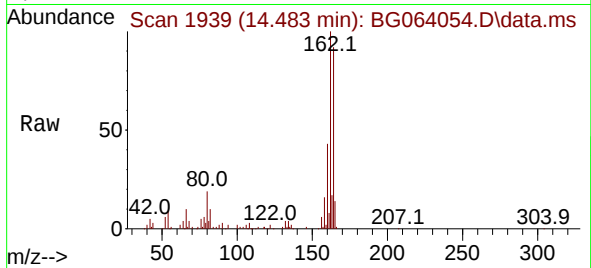




#51
2,6-Dinitrotoluene
Concen: 12.090 ng
RT: 14.483 min Scan# 1939
Delta R.T. 0.420 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

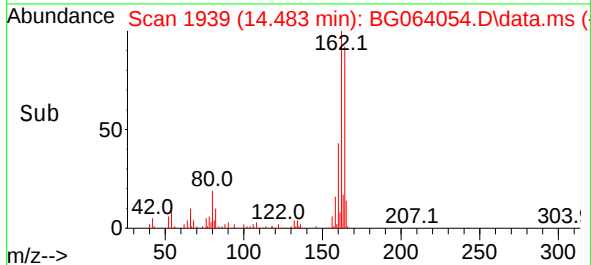
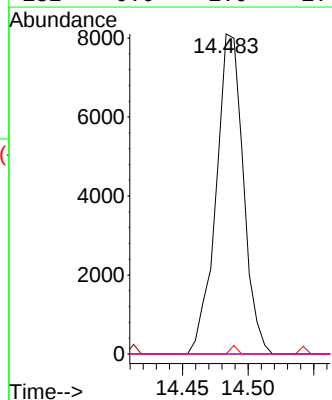
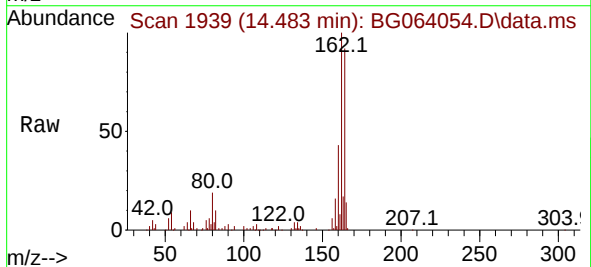
Instrument :
BNA_G
ClientSampleId :
PB166970BL

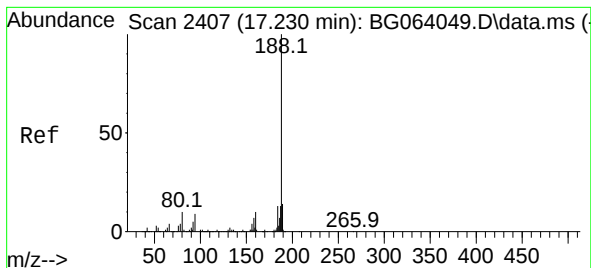
Tgt Ion:165 Resp: 11707
Ion Ratio Lower Upper
165 100
63 0.0 56.7 85.1#
89 0.0 53.7 80.5#



#57
2,4-Dinitrotoluene
Concen: 9.934 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.362 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Tgt Ion:165 Resp: 11707
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.6#
89 0.0 63.1 94.7#
182 0.0 1.0 1.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.227 min Scan# 2406

Delta R.T. -0.003 min

Lab File: BG064054.D

Acq: 5 Mar 2025 15:50

Instrument :

BNA_G

ClientSampleId :

PB166970BL

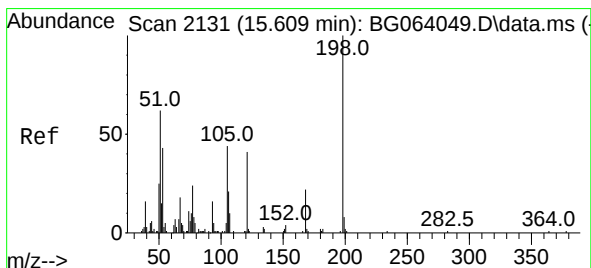
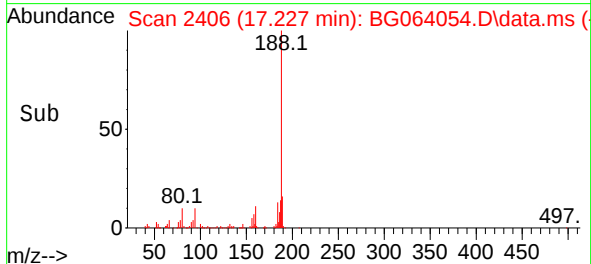
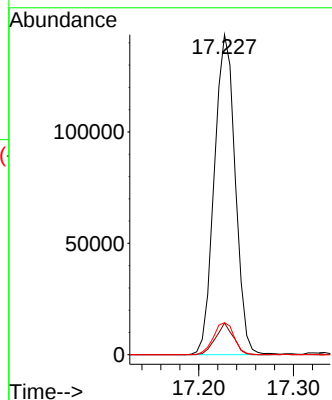
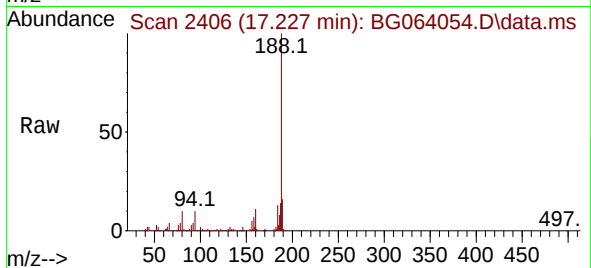
Tgt Ion:188 Resp: 220855

Ion Ratio Lower Upper

188 100

94 9.9 6.9 10.3

80 10.0 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.779 ng

RT: 15.964 min Scan# 2191

Delta R.T. 0.355 min

Lab File: BG064054.D

Acq: 5 Mar 2025 15:50

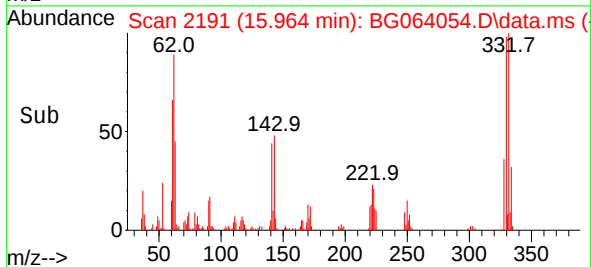
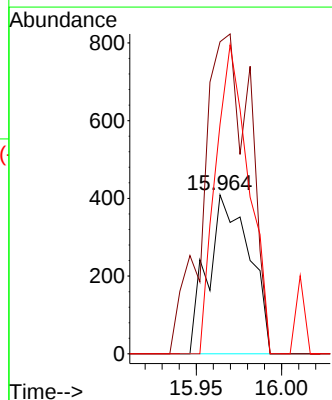
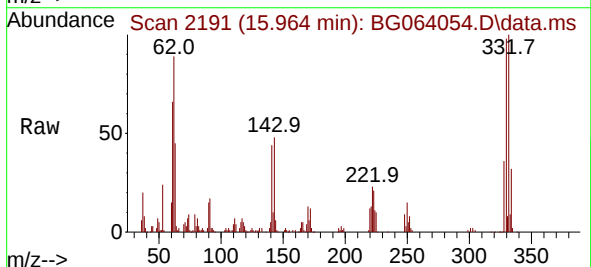
Tgt Ion:198 Resp: 690

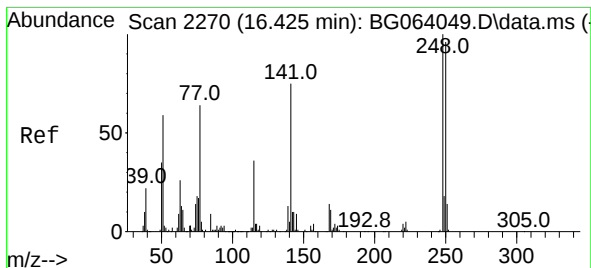
Ion Ratio Lower Upper

198 100

51 196.3 45.6 85.6#

105 144.5 25.3 65.3#

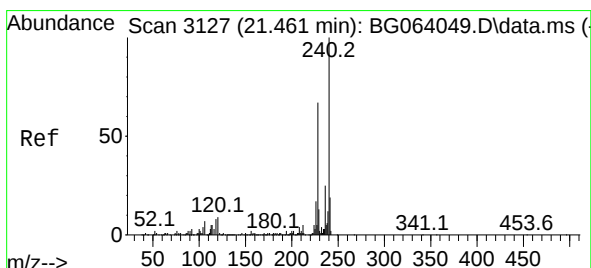
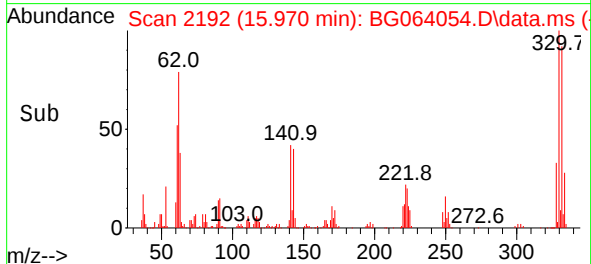
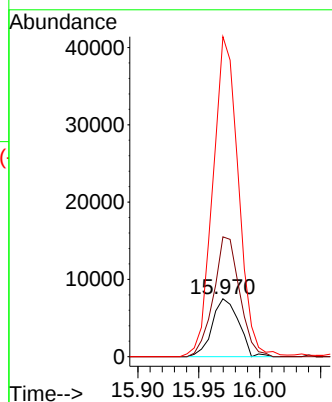
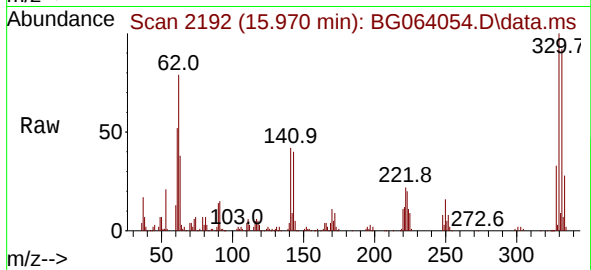




#67
4-Bromophenyl-phenylether
Concen: 5.006 ng
RT: 15.970 min Scan# 21192
Delta R.T. -0.455 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

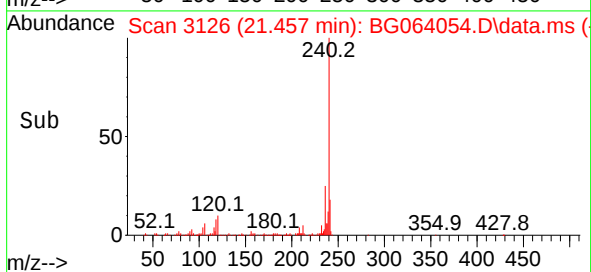
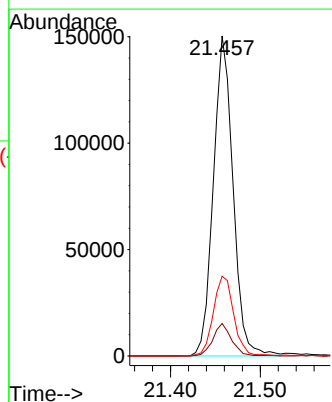
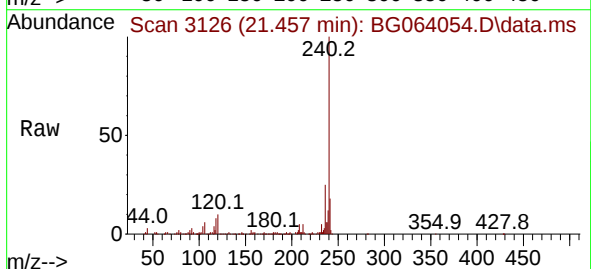
Instrument :
BNA_G
ClientSampleId :
PB166970BL

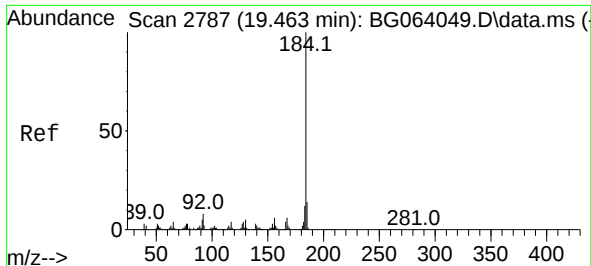
Tgt Ion:248 Resp: 11324
Ion Ratio Lower Upper
248 100
250 206.7 77.1 115.7#
141 552.1 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Tgt Ion:240 Resp: 228701
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 25.0 20.2 30.2

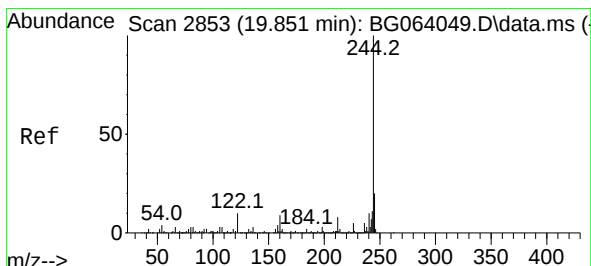
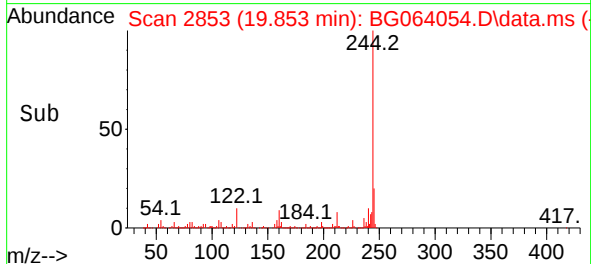
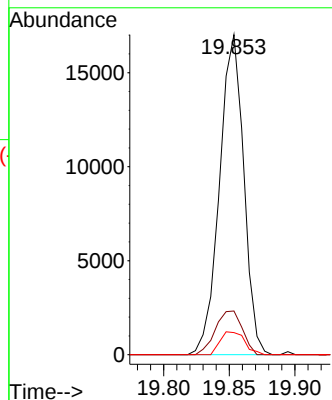
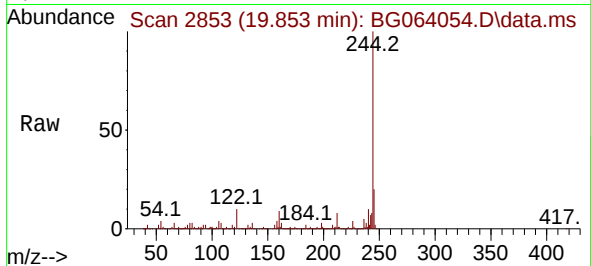




#77
Benzidine
Concen: 6.907 ng
RT: 19.853 min Scan# 2853
Delta R.T. 0.390 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

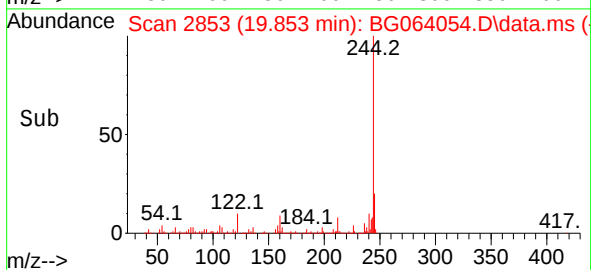
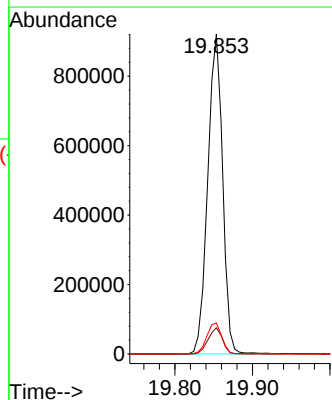
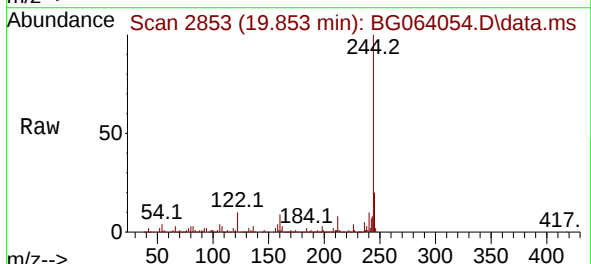
Instrument :
BNA_G
ClientSampleId :
PB166970BL

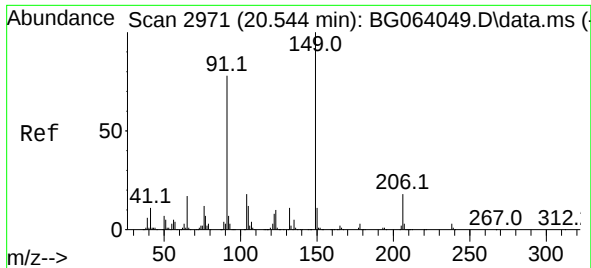
Tgt Ion:184 Resp: 21872
Ion Ratio Lower Upper
184 100
185 13.6 11.3 16.9
183 6.9 9.5 14.3#



#79
Terphenyl-d14
Concen: 108.268 ng
RT: 19.853 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Tgt Ion:244 Resp: 1224584
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.4
122 9.7 8.0 12.0

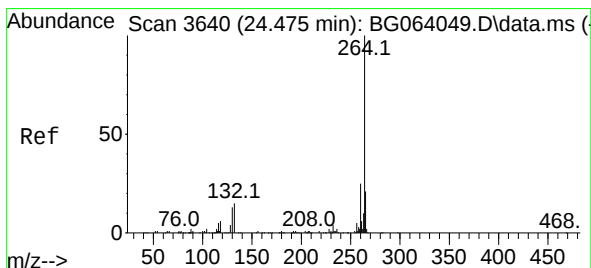
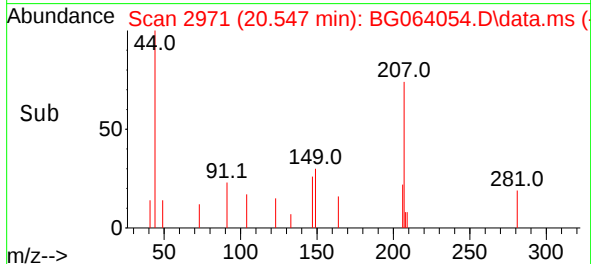
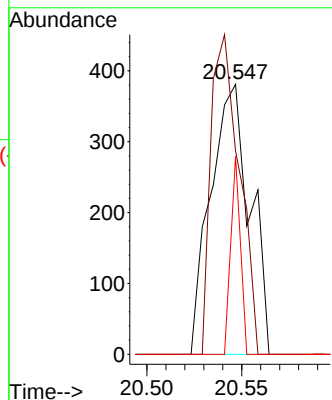
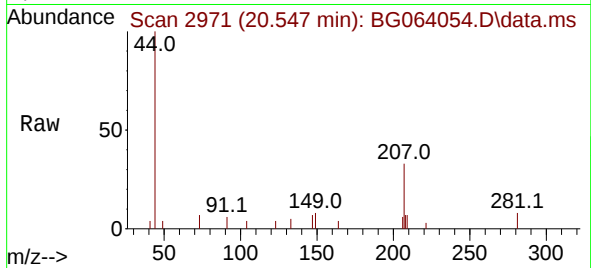




#80
Butylbenzylphthalate
Concen: 3.730 ng
RT: 20.547 min Scan# 20
Delta R.T. 0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Instrument :
BNA_G
ClientSampleId :
PB166970BL

Tgt Ion:149 Resp: 552
Ion Ratio Lower Upper
149 100
91 75.3 62.0 93.0
206 73.2 14.6 21.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 3640
Delta R.T. 0.003 min
Lab File: BG064054.D
Acq: 5 Mar 2025 15:50

Tgt Ion:264 Resp: 245836
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 19.2 16.6 25.0

