

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064059.D
 Acq On : 7 Mar 2025 14:58
 Operator : RC/JU
 Sample : PB167027BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB167027BL

Quant Time: Mar 07 15:49:17 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)

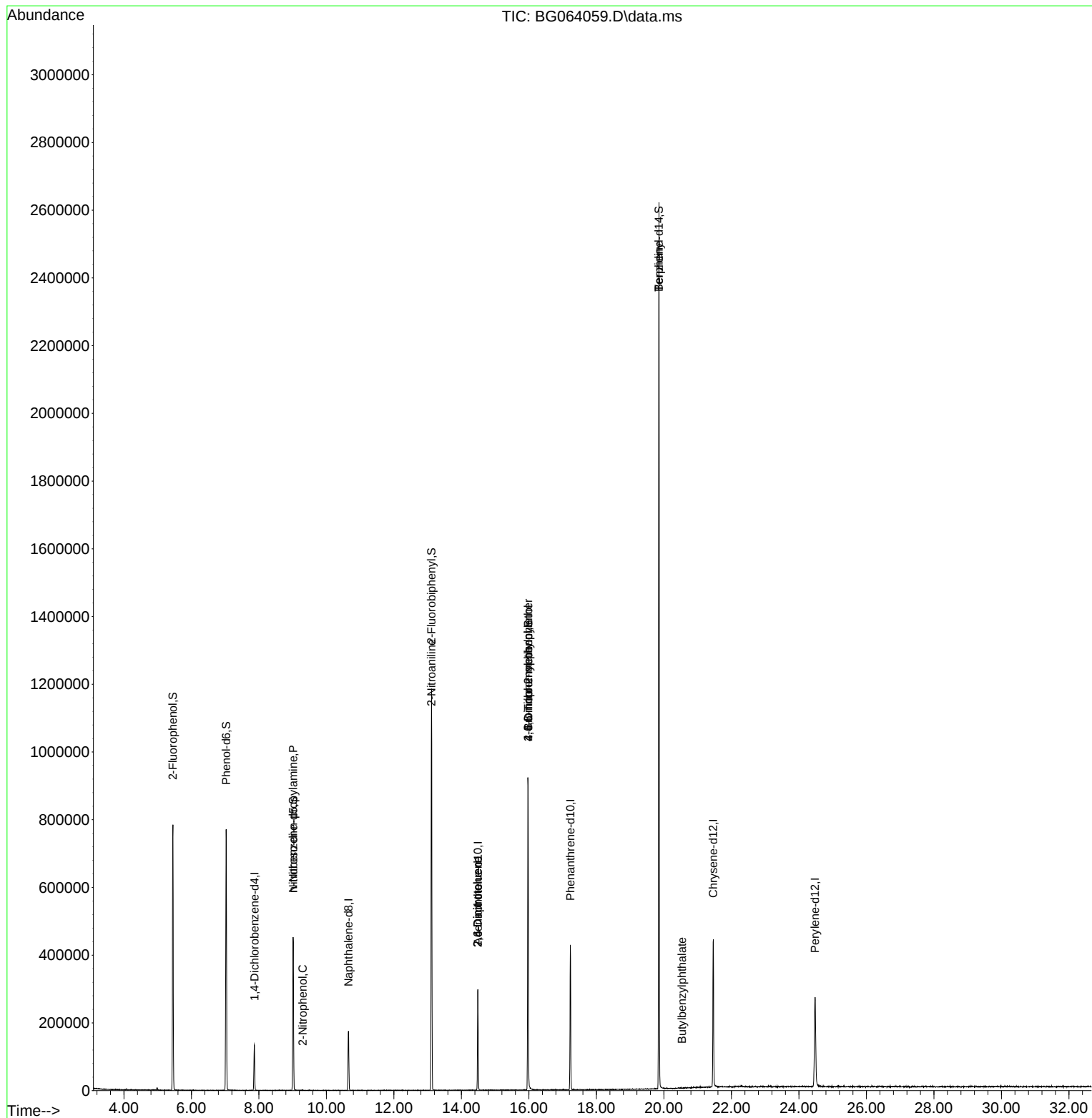
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.867	152	31906	20.000	ng	# 0.00
21) Naphthalene-d8	10.652	136	141288	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	97981	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	246502	20.000	ng	0.00
76) Chrysene-d12	21.457	240	261251	20.000	ng	0.00
86) Perylene-d12	24.477	264	265918	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	290016	141.931	ng	0.00
7) Phenol-d6	7.027	99	377339	135.745	ng	0.00
23) Nitrobenzene-d5	9.013	82	245156	95.888	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	158322	145.366	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	572019	88.615	ng	0.00
79) Terphenyl-d14	19.853	244	1197853	92.710	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.013	70	32314	16.564	ng	# 75
26) 2-Nitrophenol	9.300	139	79	3.378	ng	# 26
48) 2-Nitroaniline	13.108	65	1549	4.139	ng	# 24
51) 2,6-Dinitrotoluene	14.483	165	12757	11.443	ng	# 15
57) 2,4-Dinitrotoluene	14.483	165	12757	9.468	ng	# 16
65) 4,6-Dinitro-2-methylph...	15.975	198	595	8.642	ng	# 32
67) 4-Bromophenyl-phenylether	15.975	248	11162	4.421	ng	# 1
77) Benzidine	19.853	184	22466	6.210	ng	# 91
80) Butylbenzylphthalate	20.534	149	74	3.648	ng	# 20

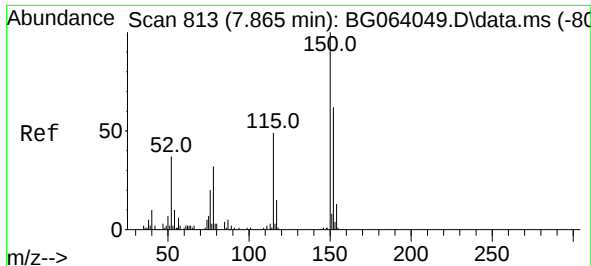
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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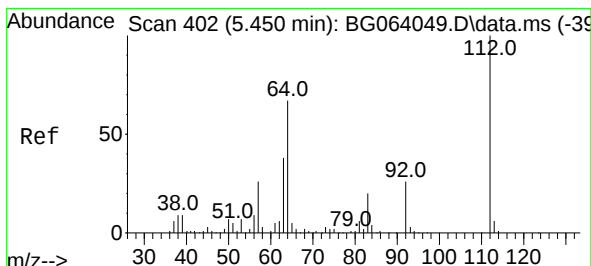
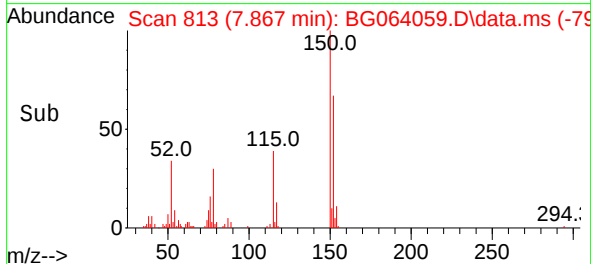
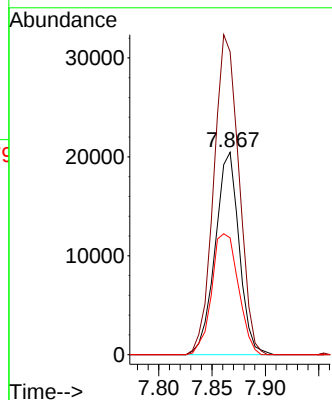
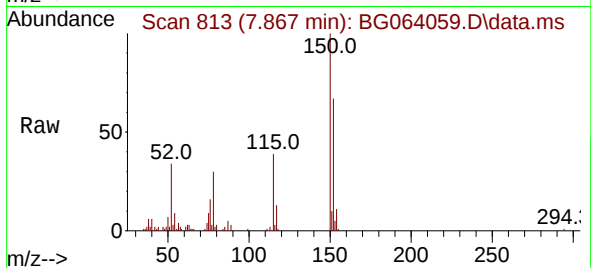




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 813
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

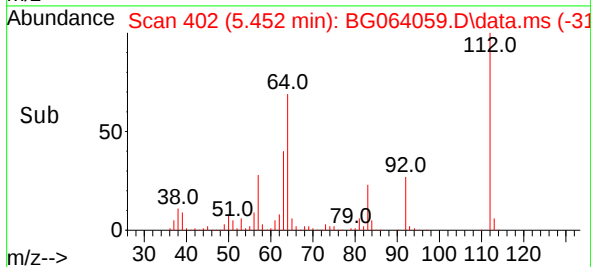
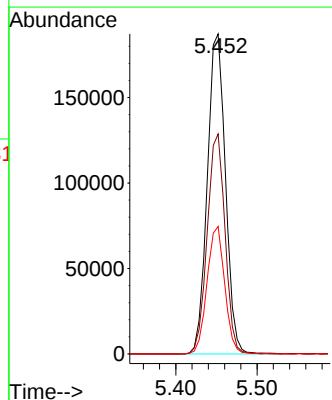
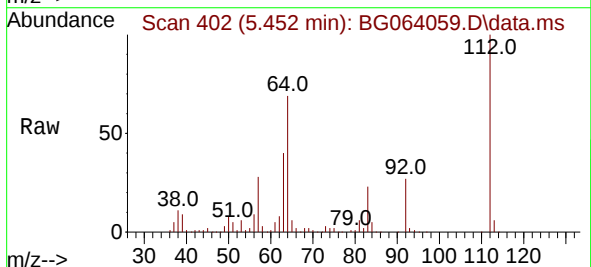
Instrument :
BNA_G
ClientSampleId :
PB167027BL

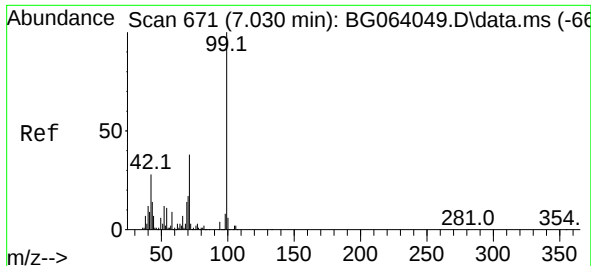
Tgt Ion:152 Resp: 31906
Ion Ratio Lower Upper
152 100
150 149.6 129.2 193.8
115 57.7 63.0 94.6#



#5
2-Fluorophenol
Concen: 141.931 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:112 Resp: 290016
Ion Ratio Lower Upper
112 100
64 68.8 53.7 80.5
63 39.9 30.2 45.4





Phenol-d6

Concen: 135.745 ng

RT: 7.027 min Scan# 61

Delta R.T. -0.004 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

Instrument :

BNA_G

ClientSampleId :

PB167027BL

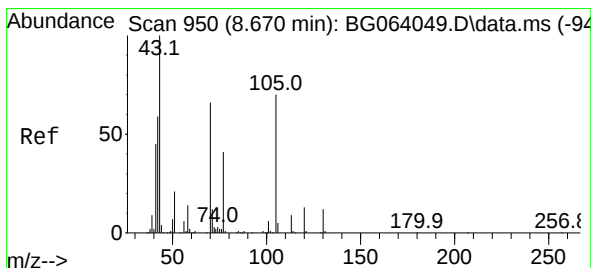
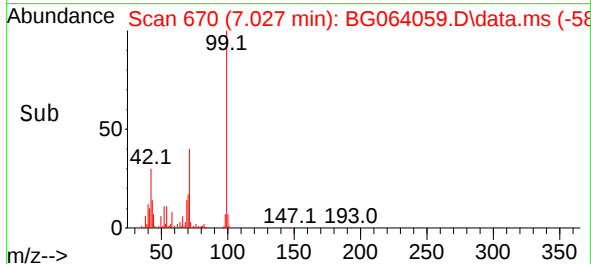
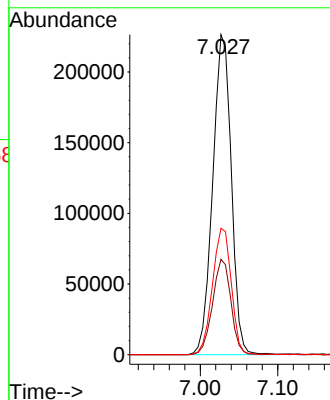
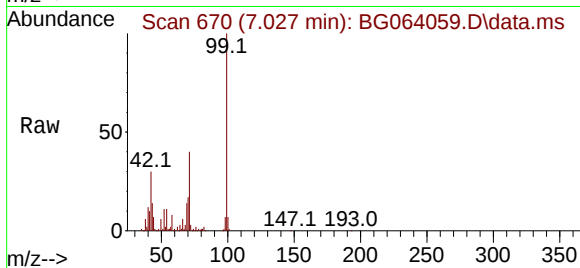
Tgt Ion: 99 Resp: 377339

Ion Ratio Lower Upper

99 100

42 29.8 22.7 34.1

71 39.5 30.6 46.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.564 ng

RT: 9.013 min Scan# 1008

Delta R.T. 0.343 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

Tgt Ion: 70 Resp: 32314

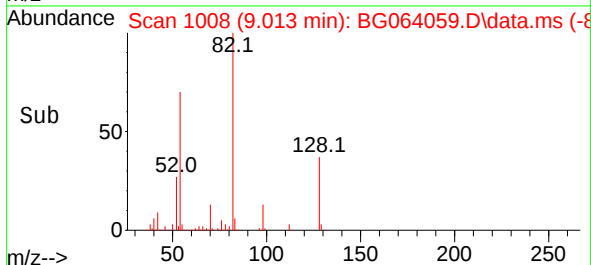
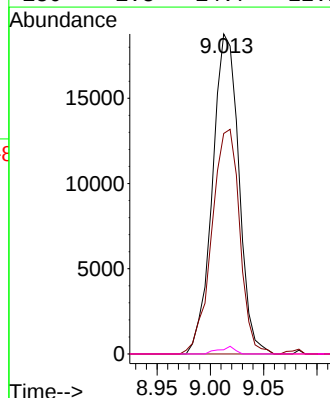
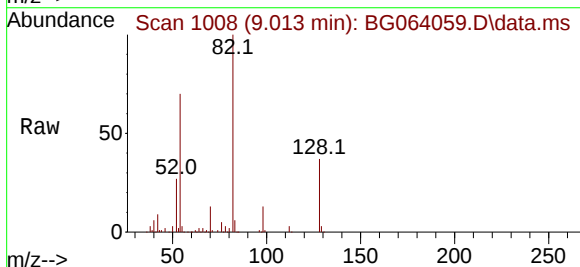
Ion Ratio Lower Upper

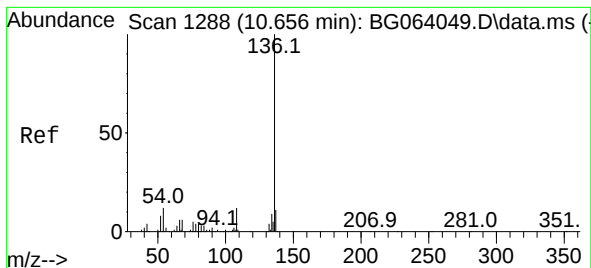
70 100

42 68.9 72.1 108.1#

101 0.0 7.2 10.8#

130 1.3 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.652 min Scan# 141288

Delta R.T. -0.004 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

Instrument :

BNA_G

ClientSampleId :

PB167027BL

Tgt Ion:136 Resp: 141288

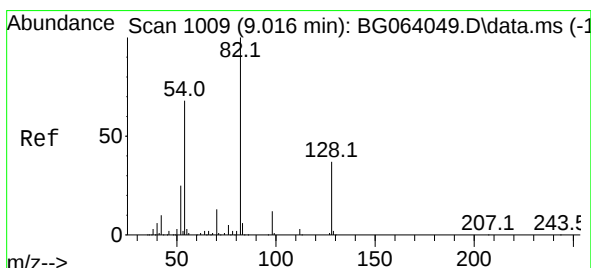
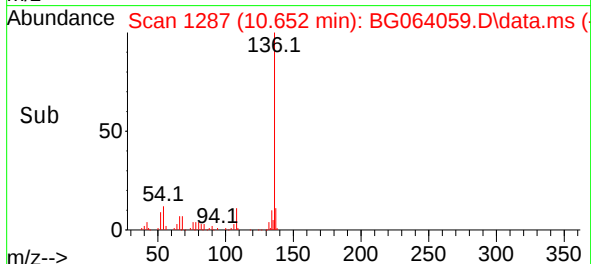
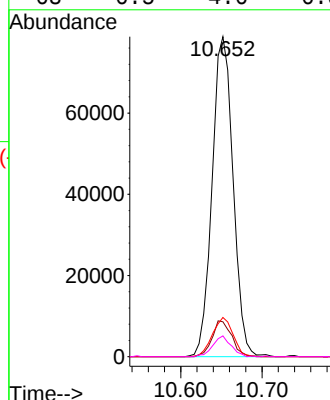
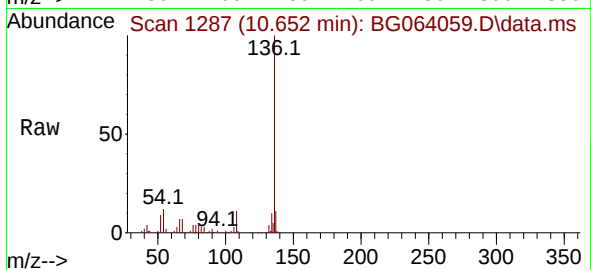
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 12.2 9.9 14.9

68 6.5 4.6 6.8



#23

Nitrobenzene-d5

Concen: 95.888 ng

RT: 9.013 min Scan# 1008

Delta R.T. -0.004 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

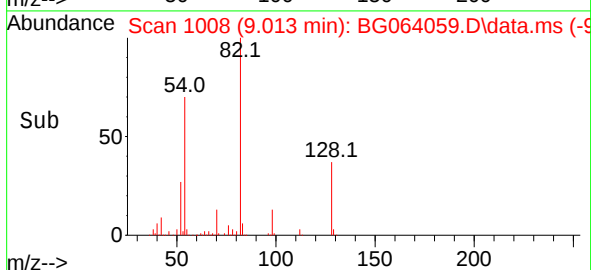
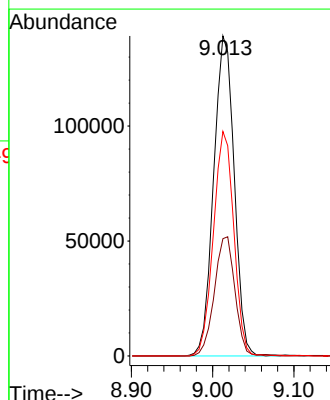
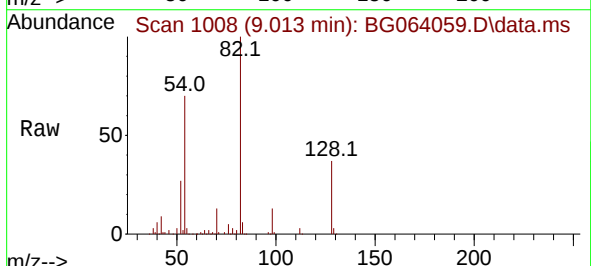
Tgt Ion: 82 Resp: 245156

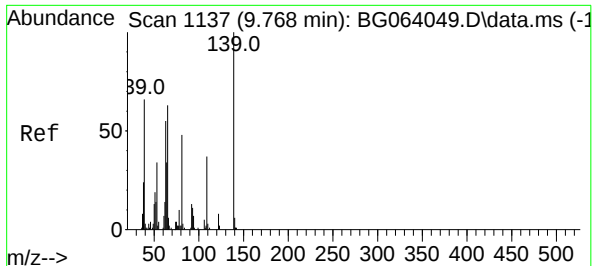
Ion Ratio Lower Upper

82 100

128 36.6 30.0 45.0

54 70.2 54.7 82.1





#26

2-Nitrophenol

Concen: 3.378 ng

RT: 9.300 min Scan# 1137

Delta R.T. -0.468 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

Instrument :

BNA_G

ClientSampleId :

PB167027BL

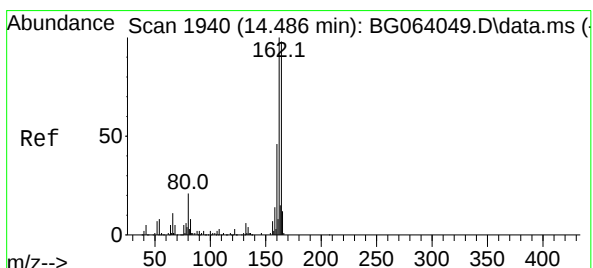
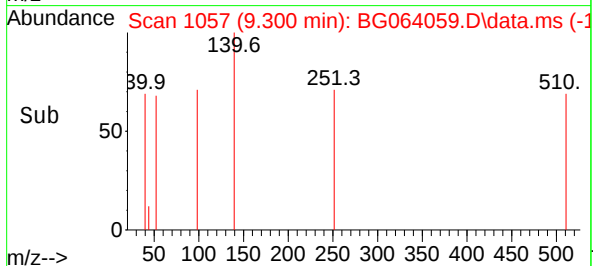
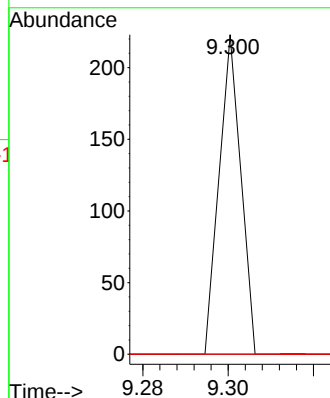
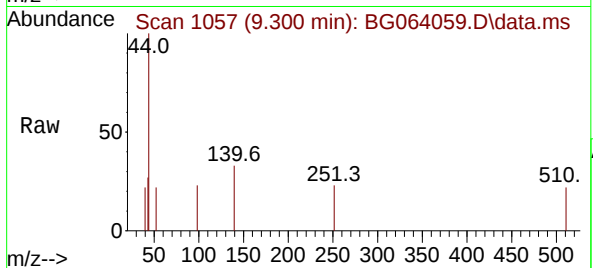
Tgt Ion:139 Resp: 79

Ion Ratio Lower Upper

139 100

109 0.0 29.9 44.9#

65 0.0 50.6 76.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.488 min Scan# 1940

Delta R.T. 0.002 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

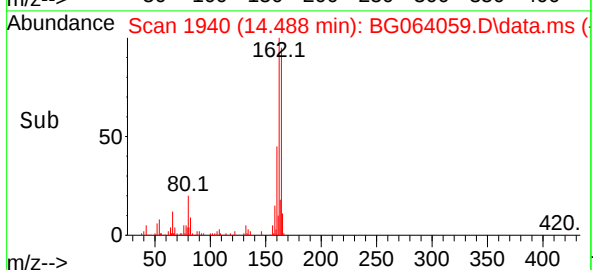
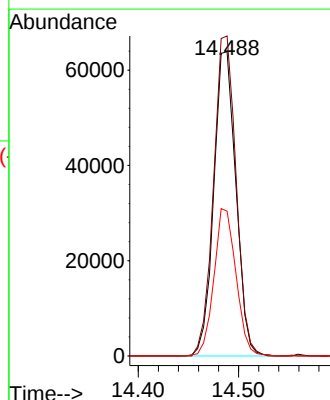
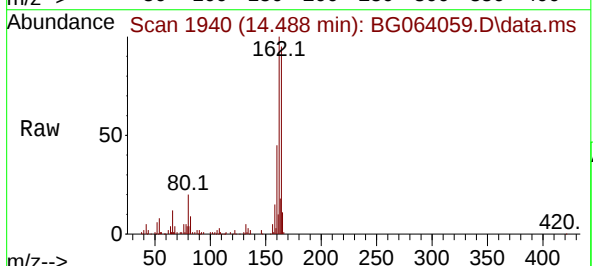
Tgt Ion:164 Resp: 97981

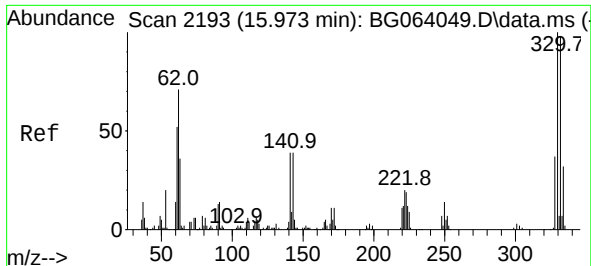
Ion Ratio Lower Upper

164 100

162 105.2 81.4 122.0

160 47.6 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 145.366 ng

RT: 15.975 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG064059.D

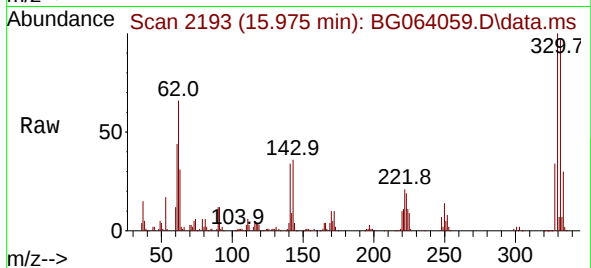
Acq: 7 Mar 2025 14:58

Instrument :

BNA_G

ClientSampleId :

PB167027BL



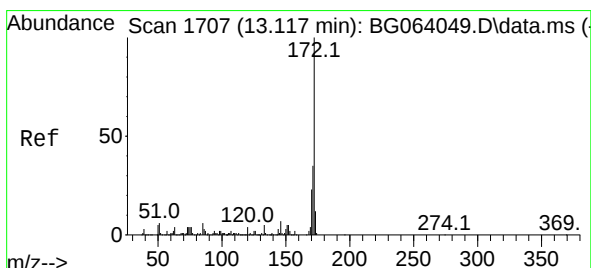
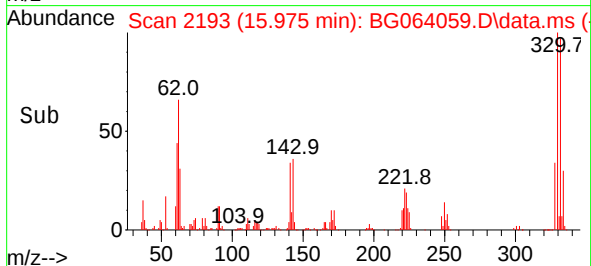
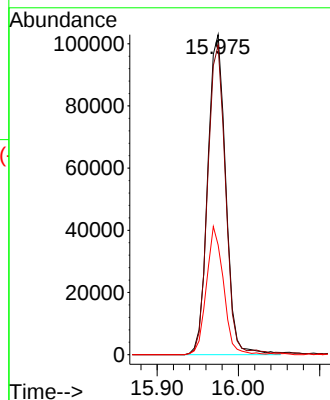
Tgt Ion:330 Resp: 158322

Ion Ratio Lower Upper

330 100

332 96.8 76.7 115.1

141 38.0 29.7 44.5



#45

2-Fluorobiphenyl

Concen: 88.615 ng

RT: 13.114 min Scan# 1706

Delta R.T. -0.004 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

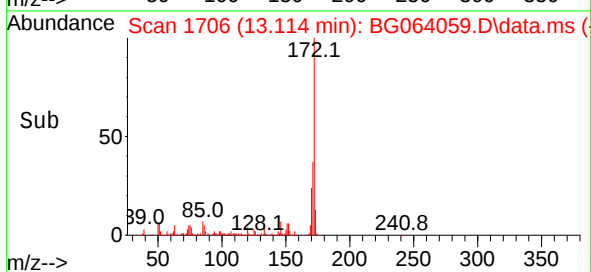
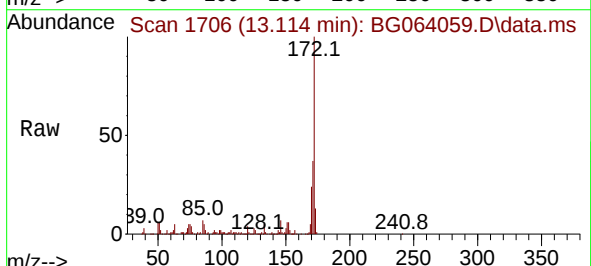
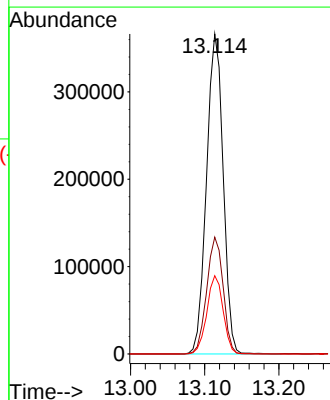
Tgt Ion:172 Resp: 572019

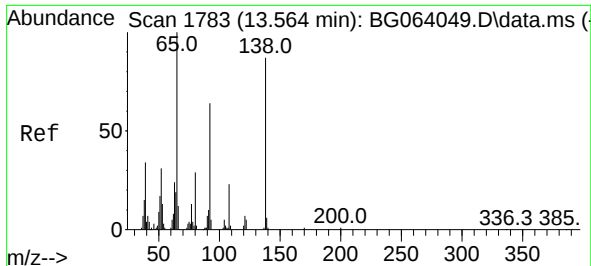
Ion Ratio Lower Upper

172 100

171 36.5 28.0 42.0

170 24.5 18.7 28.1





#48

2-Nitroaniline

Concen: 4.139 ng

RT: 13.108 min Scan# 1

Delta R.T. -0.456 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

Instrument :

BNA_G

ClientSampleId :

PB167027BL

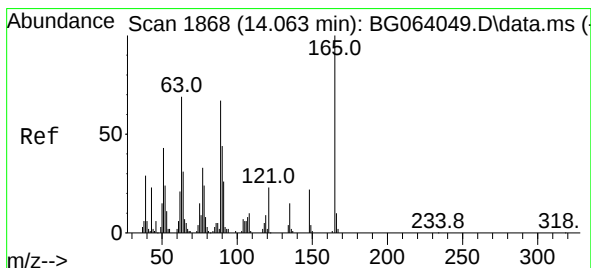
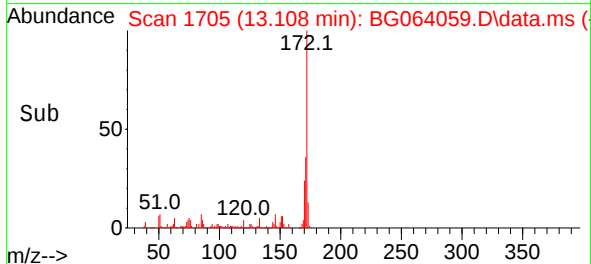
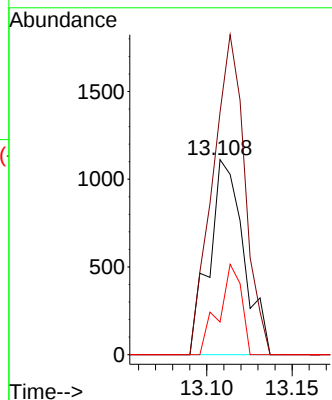
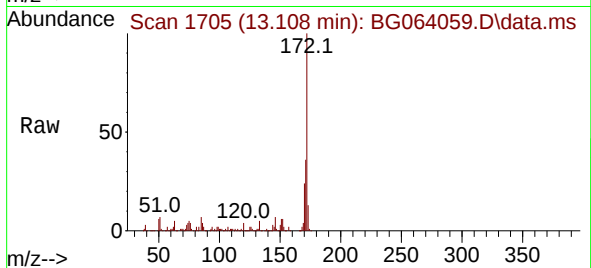
Tgt Ion: 65 Resp: 1549

Ion Ratio Lower Upper

65 100

92 124.3 51.2 76.8#

138 16.7 69.4 104.2#



#51

2,6-Dinitrotoluene

Concen: 11.443 ng

RT: 14.483 min Scan# 1939

Delta R.T. 0.420 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

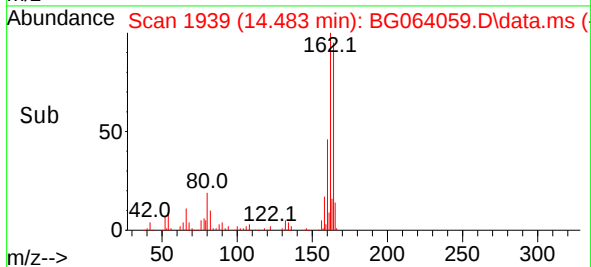
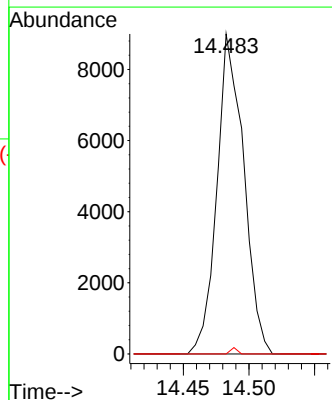
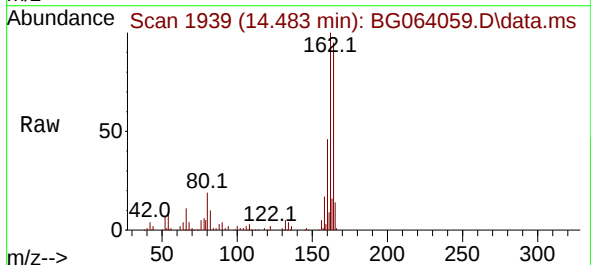
Tgt Ion:165 Resp: 12757

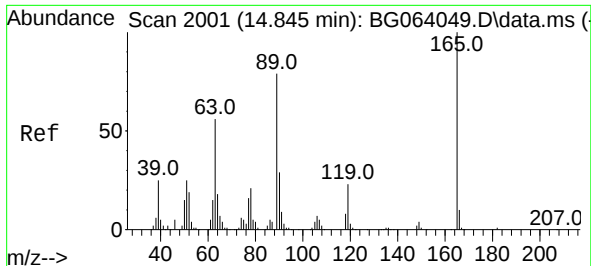
Ion Ratio Lower Upper

165 100

63 0.0 56.7 85.1#

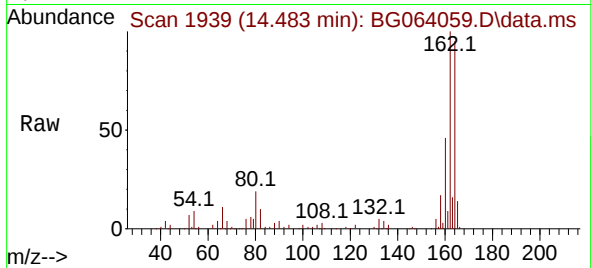
89 0.0 53.7 80.5#



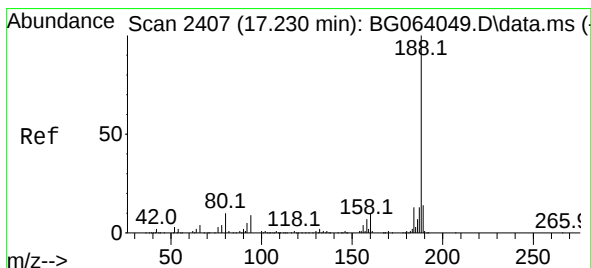
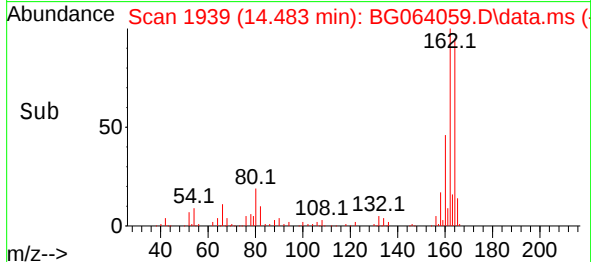
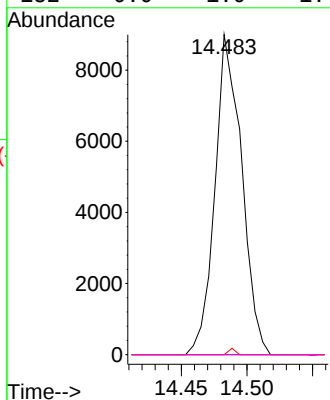


#57
2,4-Dinitrotoluene
Concen: 9.468 ng
RT: 14.483 min Scan# 14
Delta R.T. -0.362 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

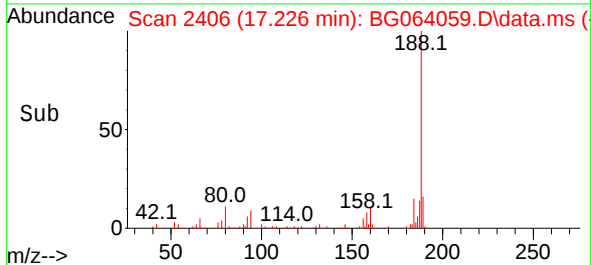
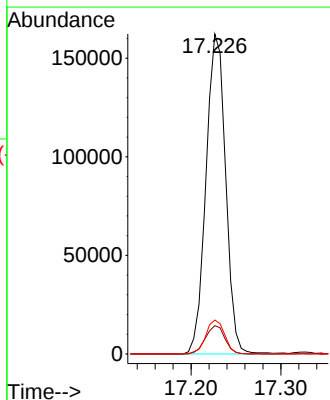
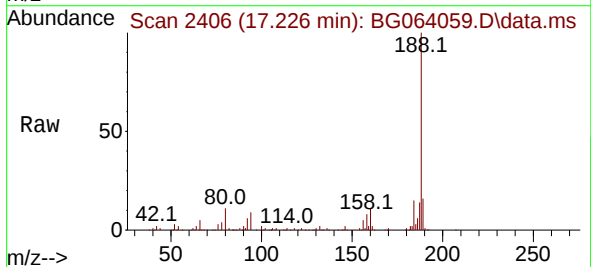


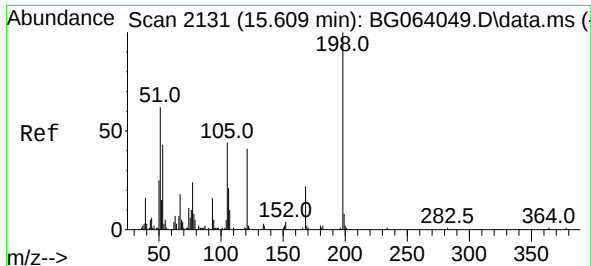
Tgt Ion:	165	Resp:	12757
Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	63.1	94.7#
182	0.0	1.0	1.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:	188	Resp:	246502
Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.6	8.1	12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 8.642 ng

RT: 15.975 min Scan# 2131

Delta R.T. 0.366 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

Instrument :

BNA_G

ClientSampleId :

PB167027BL

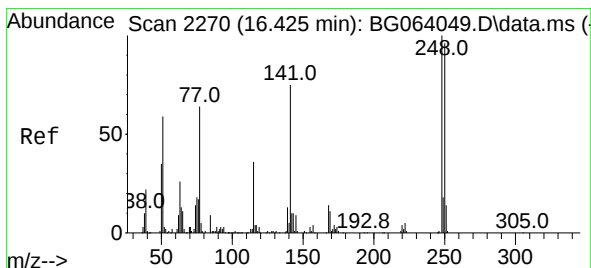
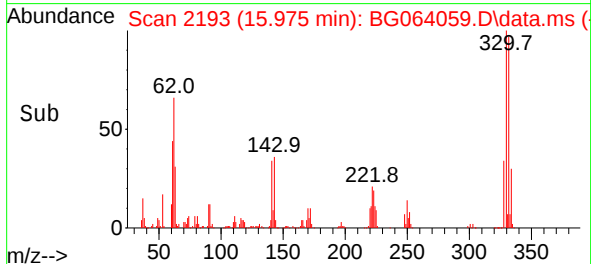
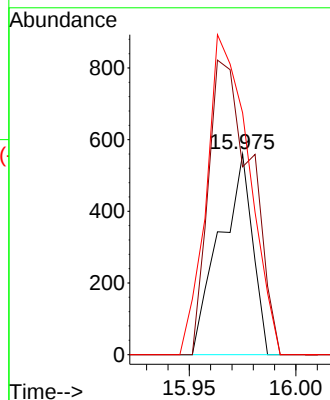
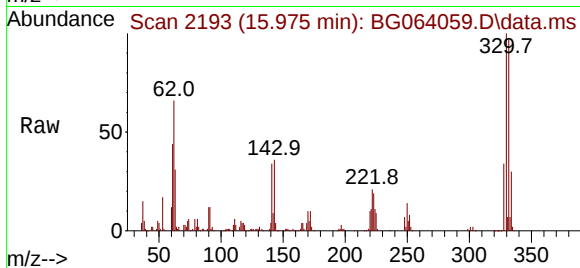
Tgt Ion:198 Resp: 595

Ion Ratio Lower Upper

198 100

51 93.6 45.6 85.6#

105 120.5 25.3 65.3#



#67

4-Bromophenyl-phenylether

Concen: 4.421 ng

RT: 15.975 min Scan# 2193

Delta R.T. -0.450 min

Lab File: BG064059.D

Acq: 7 Mar 2025 14:58

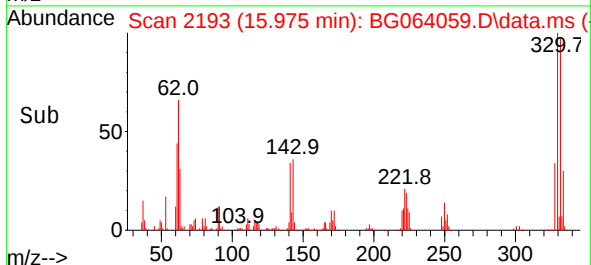
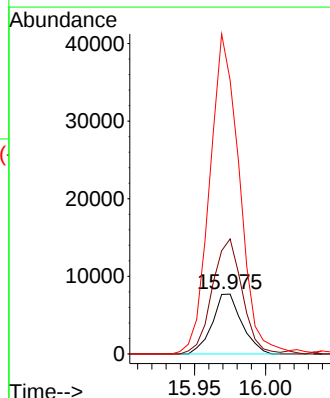
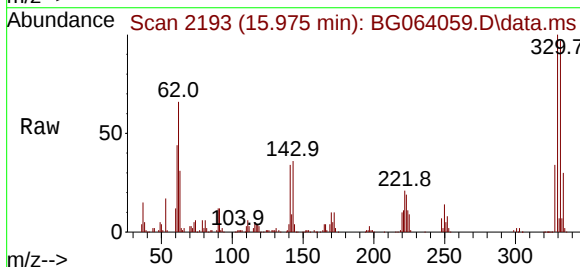
Tgt Ion:248 Resp: 11162

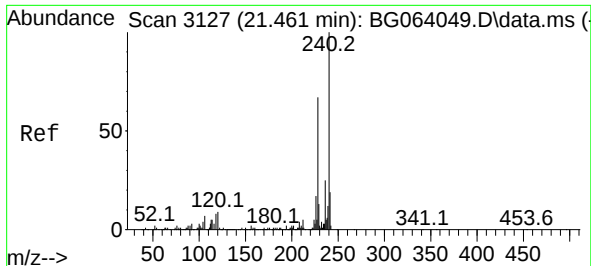
Ion Ratio Lower Upper

248 100

250 192.2 77.1 115.7#

141 457.2 59.8 89.8#

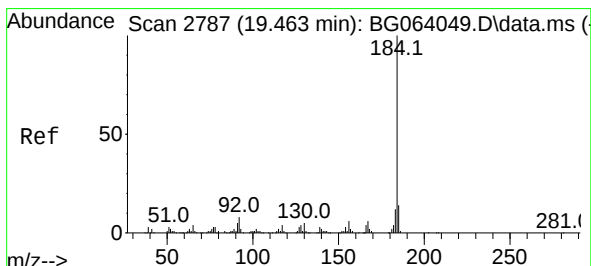
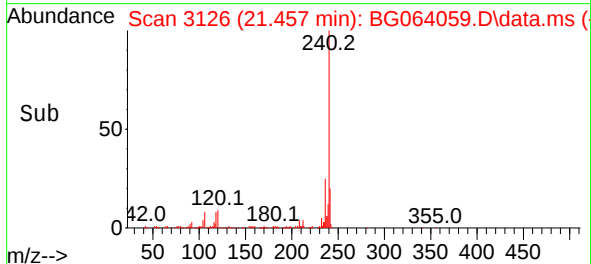
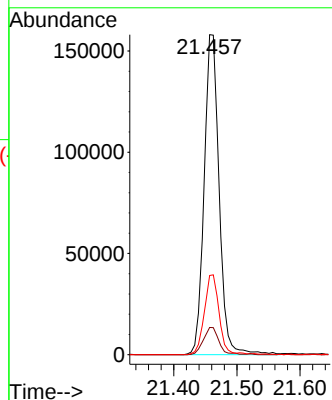
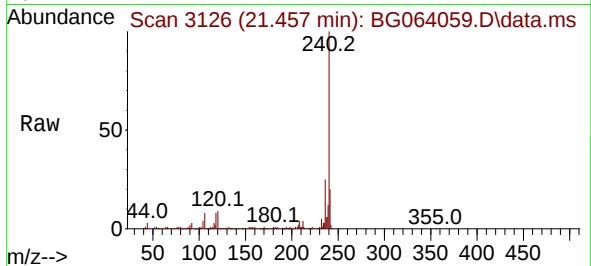




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

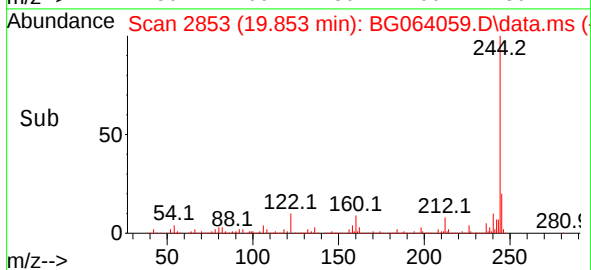
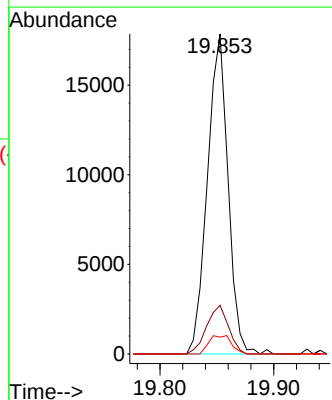
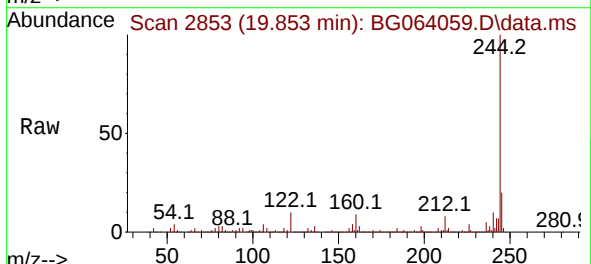
Instrument :
BNA_G
ClientSampleId :
PB167027BL

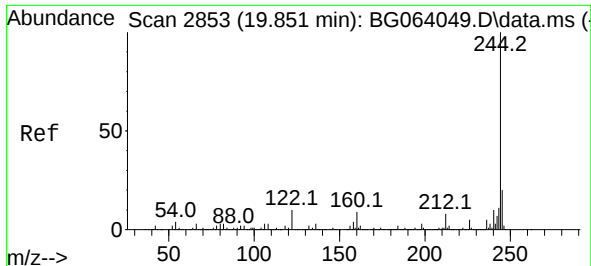
Tgt Ion:240 Resp: 261251
Ion Ratio Lower Upper
240 100
120 8.5 7.2 10.8
236 24.8 20.2 30.2



#77
Benzidine
Concen: 6.210 ng
RT: 19.853 min Scan# 2853
Delta R.T. 0.390 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

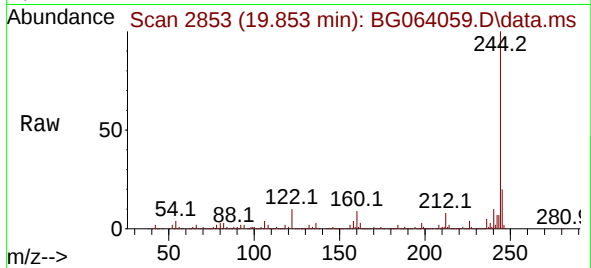
Tgt Ion:184 Resp: 22466
Ion Ratio Lower Upper
184 100
185 15.2 11.3 16.9
183 5.2 9.5 14.3#



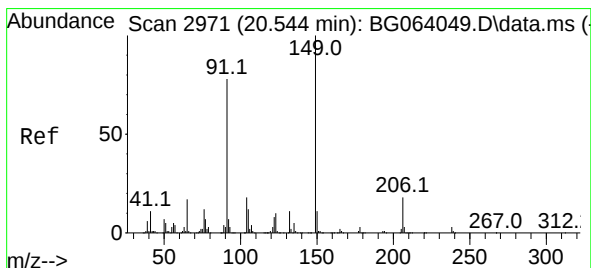
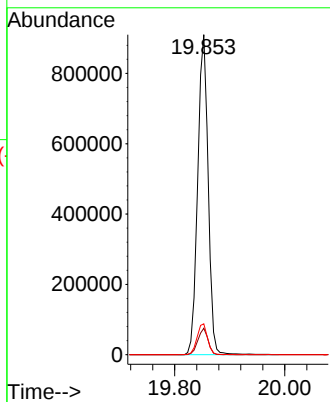
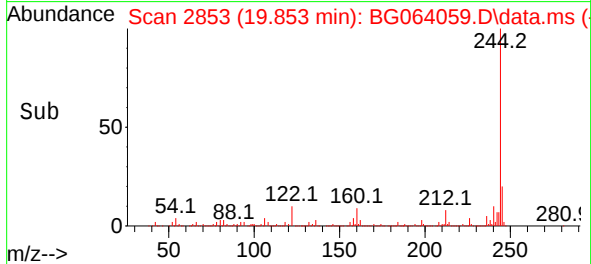


#79
 Terphenyl-d14
 Concen: 92.710 ng
 RT: 19.853 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG064059.D
 Acq: 7 Mar 2025 14:58

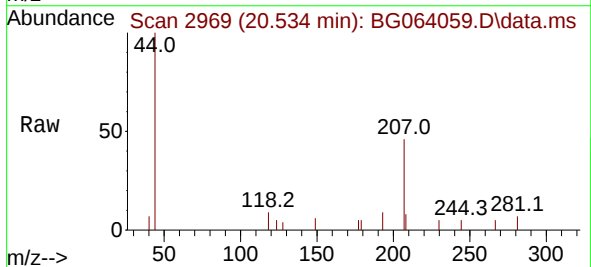
Instrument :
 BNA_G
 ClientSampleId :
 PB167027BL



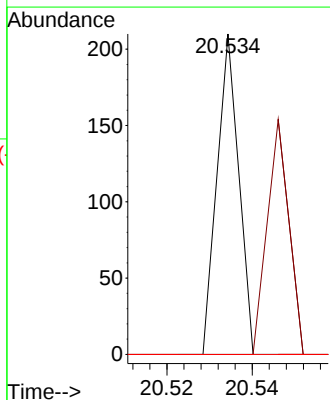
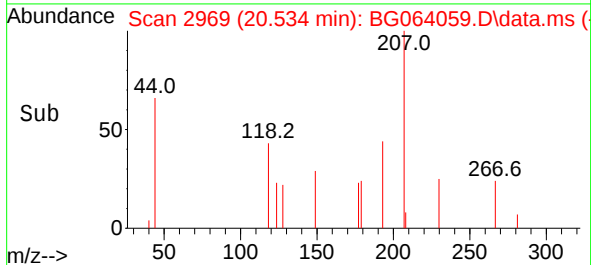
Tgt Ion:244 Resp: 1197853
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.4
 122 9.7 8.0 12.0

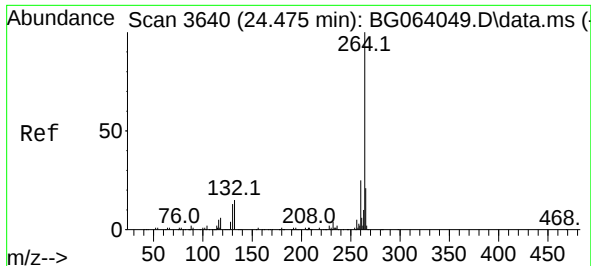


#80
 Butylbenzylphthalate
 Concen: 3.648 ng
 RT: 20.534 min Scan# 2969
 Delta R.T. -0.010 min
 Lab File: BG064059.D
 Acq: 7 Mar 2025 14:58



Tgt Ion:149 Resp: 74
 Ion Ratio Lower Upper
 149 100
 91 0.0 62.0 93.0#
 206 0.0 14.6 21.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3

Delta R.T. 0.002 min

Lab File: BG064059.D

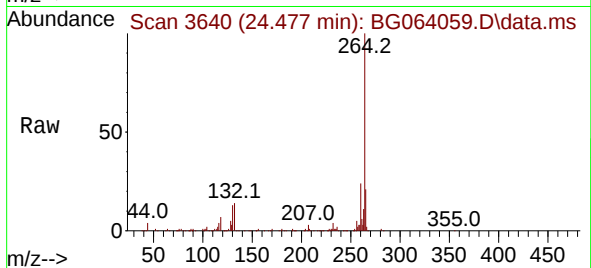
Acq: 7 Mar 2025 14:58

Instrument :

BNA_G

ClientSampleId :

PB167027BL



Tgt Ion:264 Resp: 265918

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 21.0 16.6 25.0

