

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057554.D
 Acq On : 25 May 2023 12:10
 Operator : CG/JU
 Sample : PB153012BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB153012BL

Quant Time: May 25 13:41:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 10:58:38 2023
 Response via : Initial Calibration

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

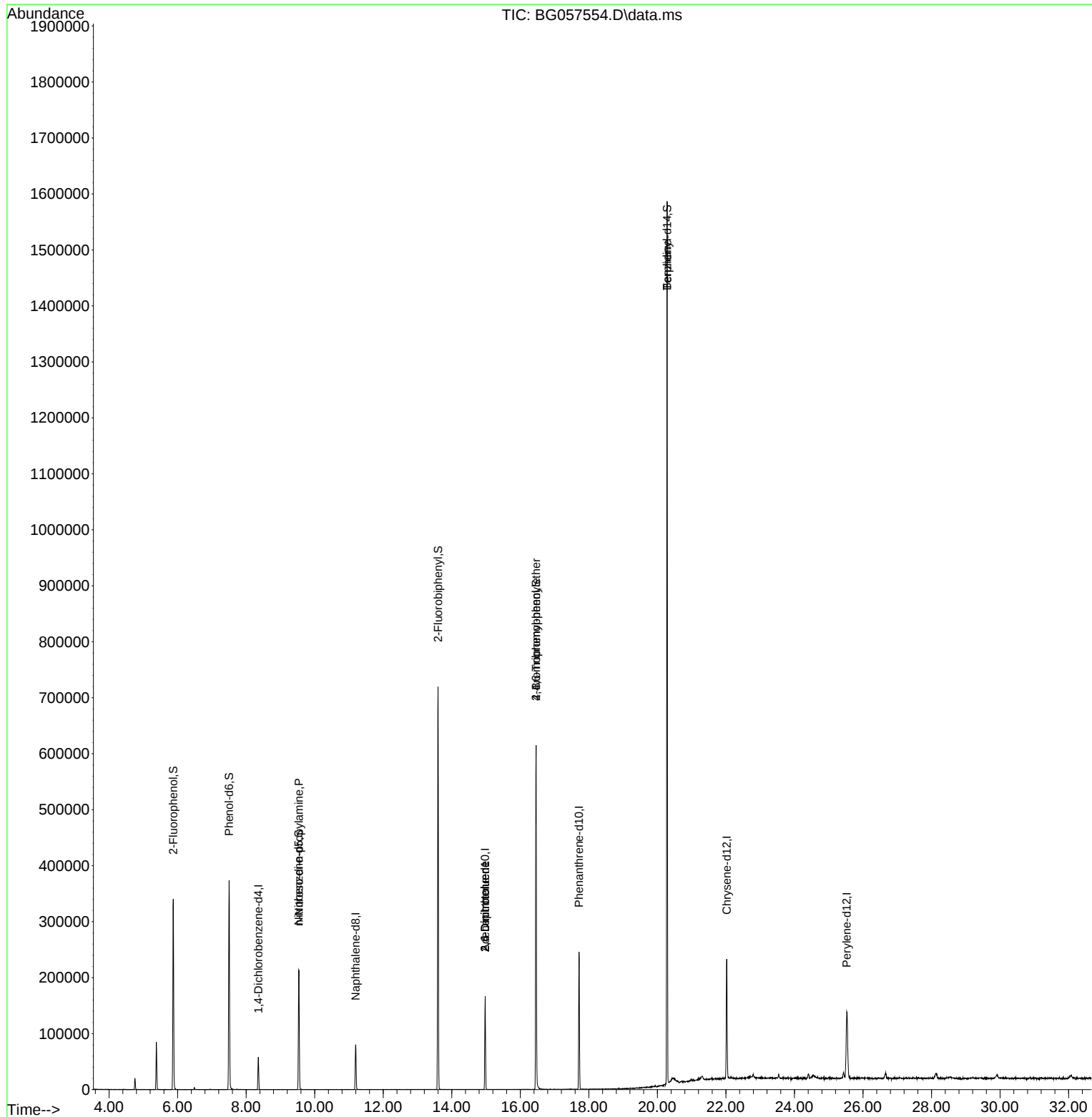
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	17214	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	72828	20.000	ng	0.00
39) Acenaphthene-d10	14.975	164	62412	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	170181	20.000	ng	-0.01
76) Chrysene-d12	22.024	240	140988	20.000	ng	-0.01
86) Perylene-d12	25.525	264	152407	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	154328	153.361	ng	0.00
7) Phenol-d6	7.503	99	229883	150.436	ng	0.00
23) Nitrobenzene-d5	9.535	82	144431	83.236	ng	-0.01
42) 2,4,6-Tribromophenol	16.461	330	133983	151.297	ng	0.00
45) 2-Fluorobiphenyl	13.600	172	392755	84.753	ng	0.00
79) Terphenyl-d14	20.285	244	848923	98.262	ng	0.00
Target Compounds						
9) Benzaldehyde	7.503	77	207	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.541	70	19627	16.844	ng	# 81
51) 2,6-Dinitrotoluene	14.975	165	8179	7.811	ng	# 17
57) 2,4-Dinitrotoluene	14.975	165	8179	5.465	ng	# 20
67) 4-Bromophenyl-phenylether	16.461	248	9182	4.420	ng	# 1
77) Benzidine	20.285	184	11787	3.740	ng	# 89

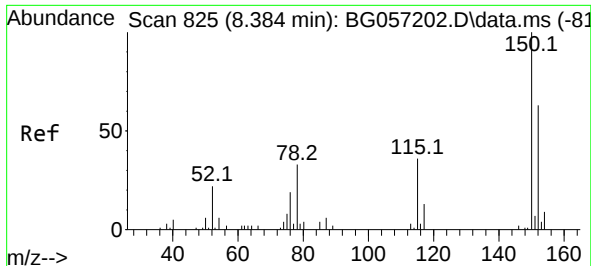
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
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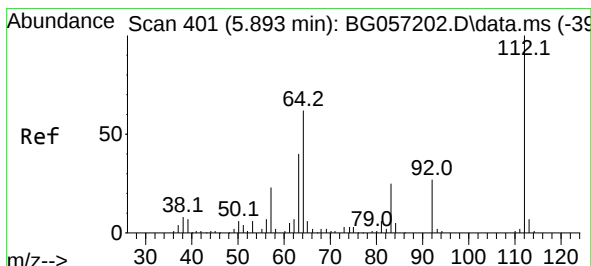
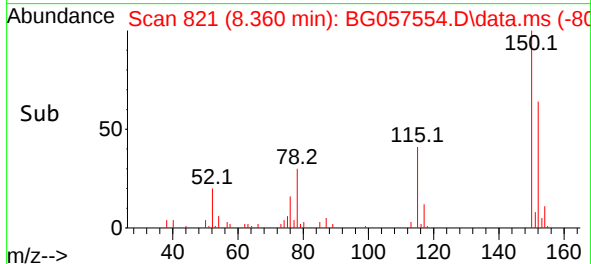
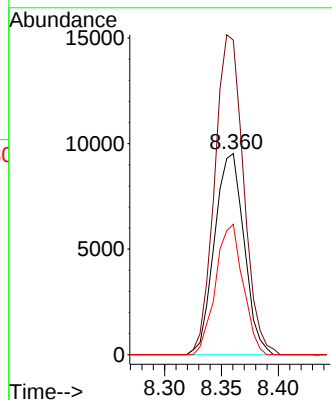
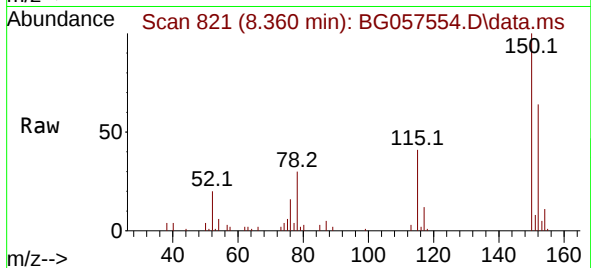




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

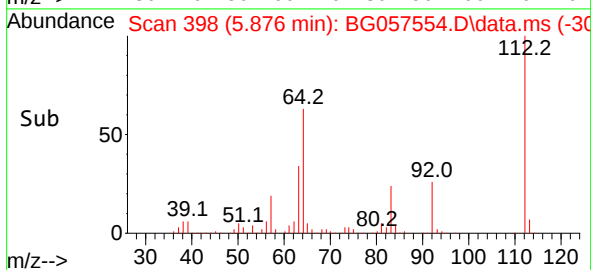
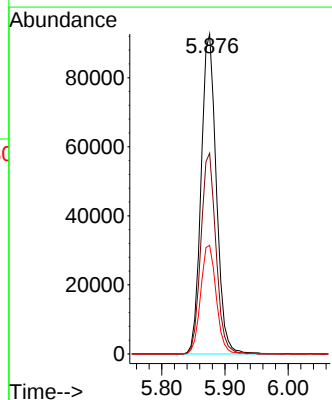
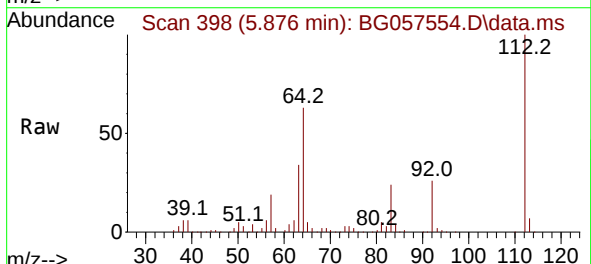
Instrument :
BNA_G
ClientSampleId :
PB153012BL

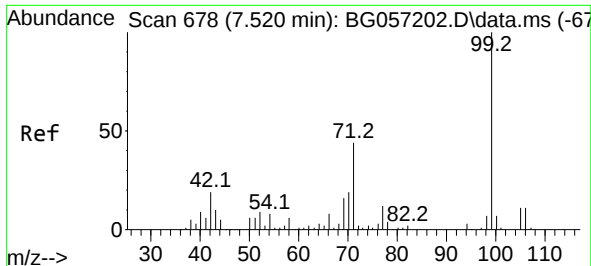
Tgt Ion:152 Resp: 17214
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.4
115 64.8 45.0 67.4



#5
2-Fluorophenol
Concen: 153.361 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.001 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

Tgt Ion:112 Resp: 154328
Ion Ratio Lower Upper
112 100
64 62.8 49.4 74.2
63 34.0 31.6 47.4





#7

Phenol-d6

Concen: 150.436 ng

RT: 7.503 min Scan# 61

Delta R.T. -0.005 min

Lab File: BG057554.D

Acq: 25 May 2023 12:10

Instrument :

BNA_G

ClientSampleId :

PB153012BL

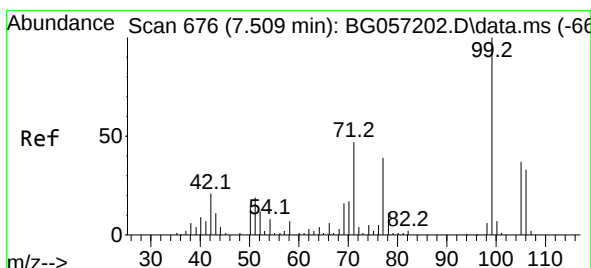
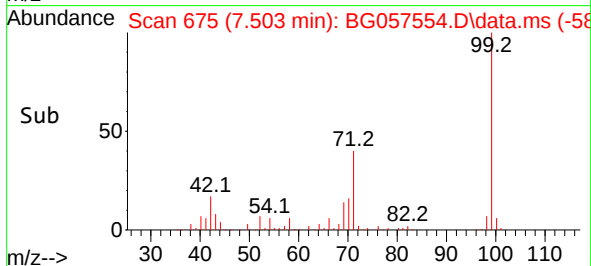
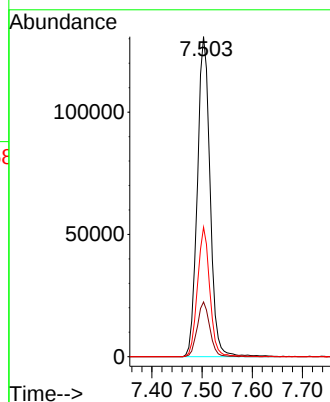
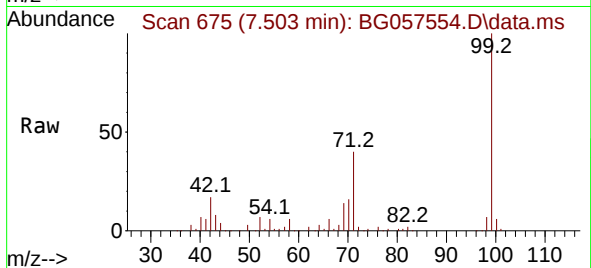
Tgt Ion: 99 Resp: 229883

Ion Ratio Lower Upper

99 100

42 17.1 15.1 22.7

71 40.5 35.2 52.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.503 min Scan# 675

Delta R.T. 0.012 min

Lab File: BG057554.D

Acq: 25 May 2023 12:10

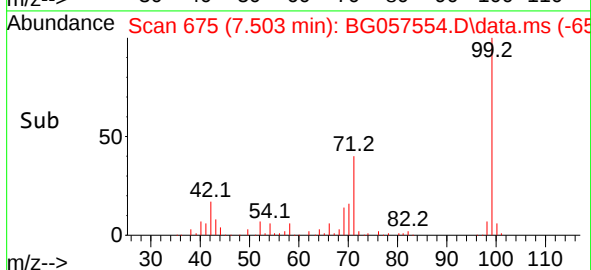
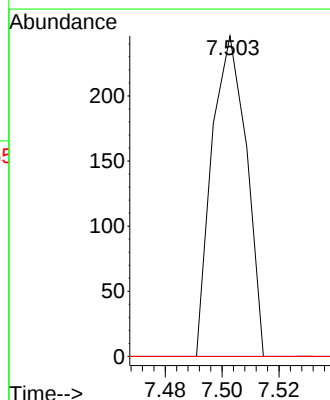
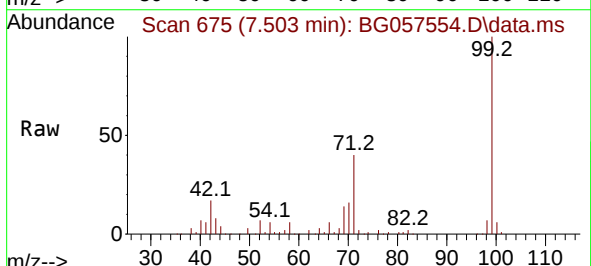
Tgt Ion: 77 Resp: 207

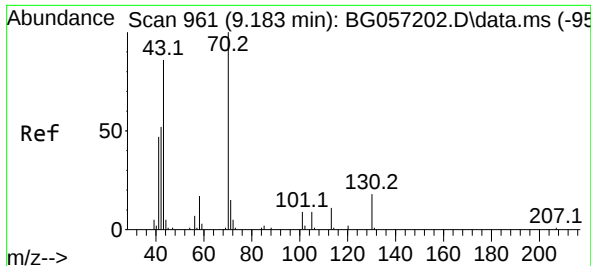
Ion Ratio Lower Upper

77 100

105 0.0 74.6 114.6#

106 0.0 66.3 106.3#

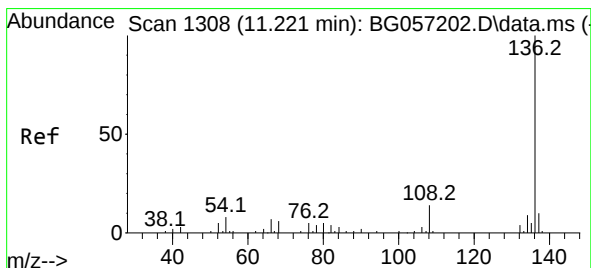
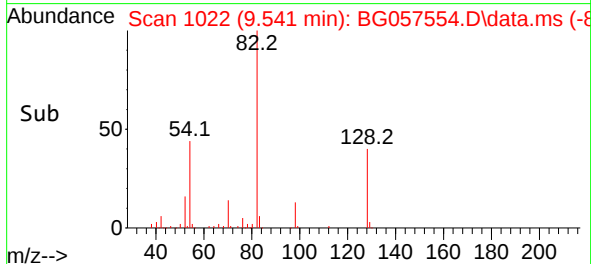
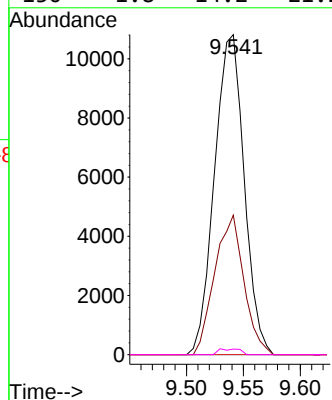
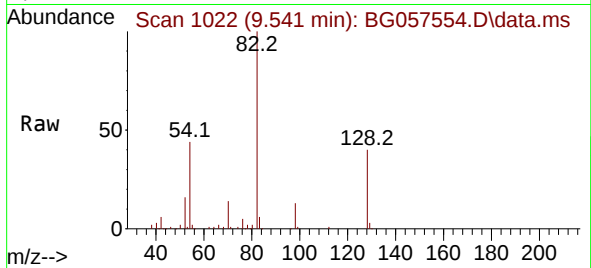




#19
n-Nitroso-di-n-propylamine
Concen: 16.844 ng
RT: 9.541 min Scan# 1022
Delta R.T. 0.377 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

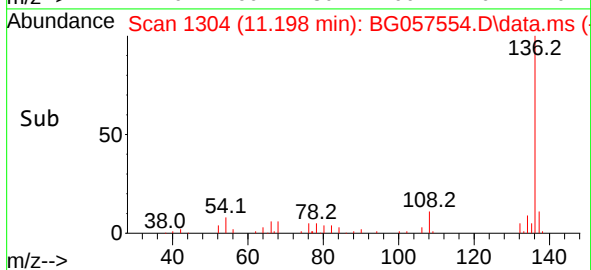
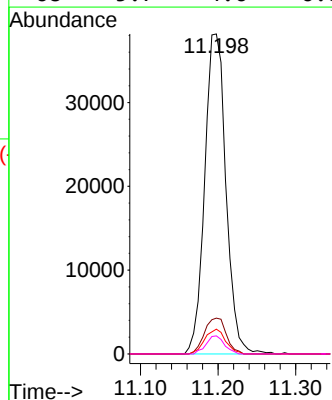
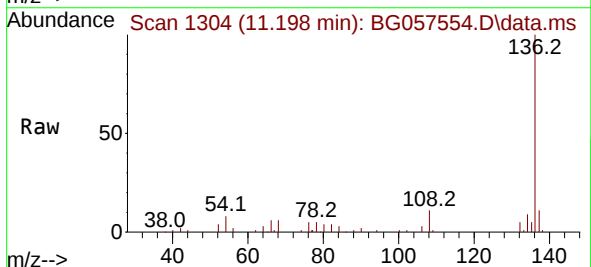
Instrument :
BNA_G
ClientSampleId :
PB153012BL

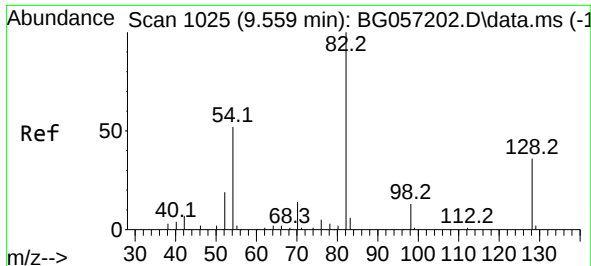
Tgt Ion: 70 Resp: 19627
Ion Ratio Lower Upper
70 100
42 43.6 41.8 62.8
101 0.0 6.8 10.2#
130 1.8 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1304
Delta R.T. -0.005 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

Tgt Ion: 136 Resp: 72828
Ion Ratio Lower Upper
136 100
137 11.2 8.3 12.5
54 7.7 6.7 10.1
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 83.236 ng

RT: 9.535 min Scan# 1021

Delta R.T. -0.011 min

Lab File: BG057554.D

Acq: 25 May 2023 12:10

Instrument :

BNA_G

ClientSampleId :

PB153012BL

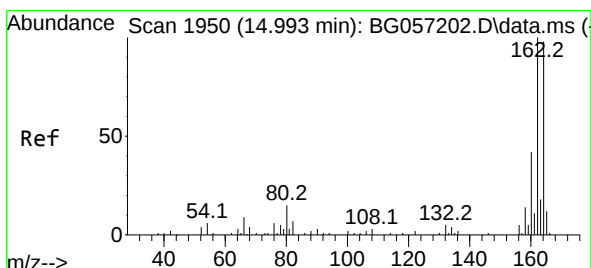
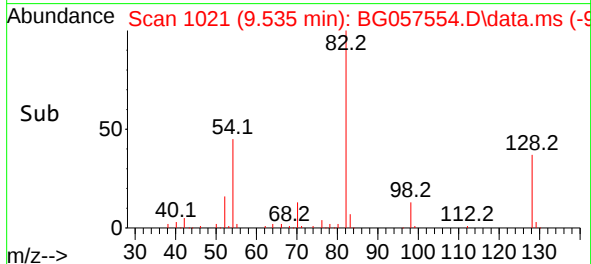
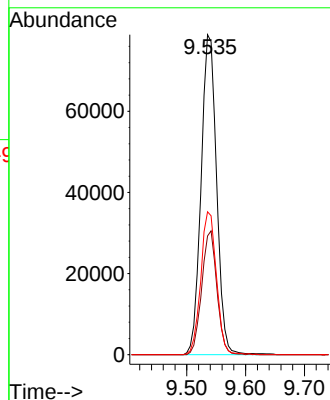
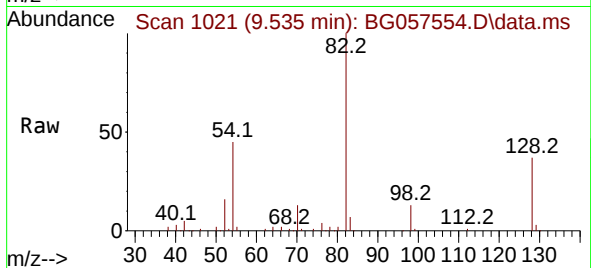
Tgt Ion: 82 Resp: 144431

Ion Ratio Lower Upper

82 100

128 37.1 29.0 43.4

54 44.6 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.975 min Scan# 1947

Delta R.T. -0.005 min

Lab File: BG057554.D

Acq: 25 May 2023 12:10

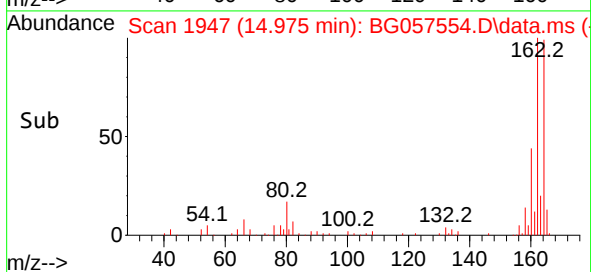
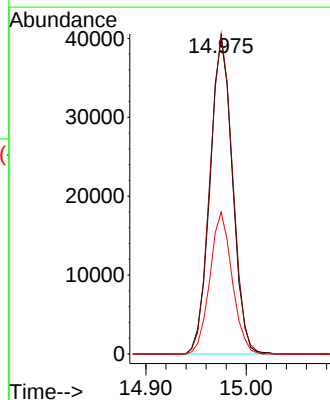
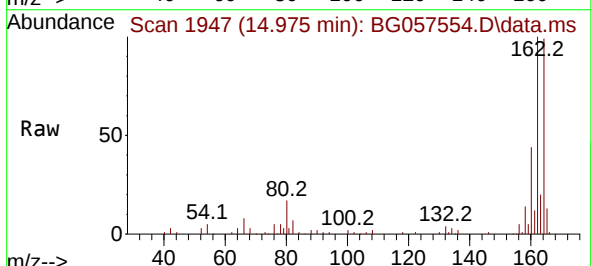
Tgt Ion:164 Resp: 62412

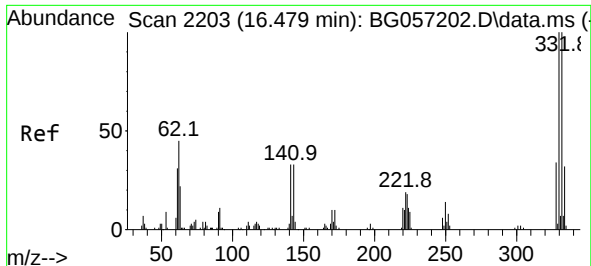
Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.6

160 45.0 34.6 52.0

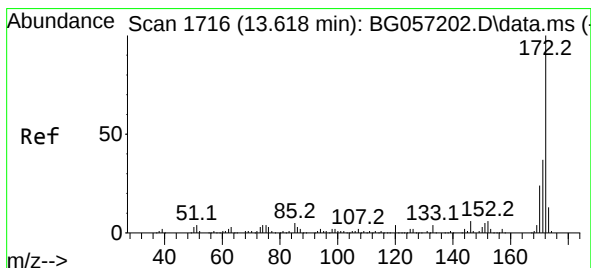
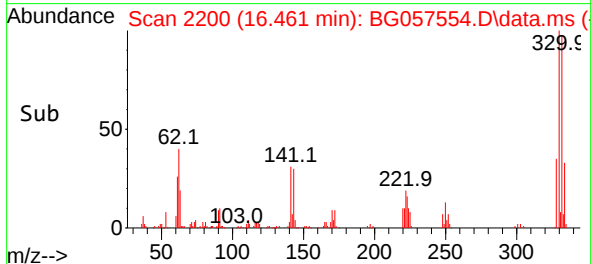
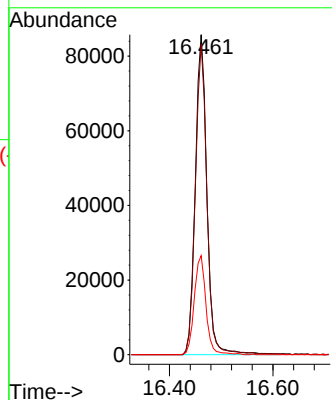
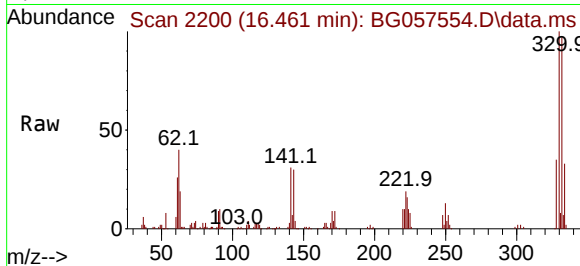




#42
2,4,6-Tribromophenol
Concen: 151.297 ng
RT: 16.461 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

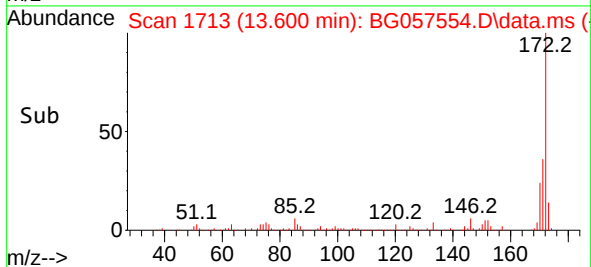
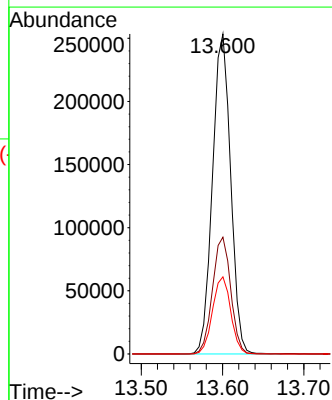
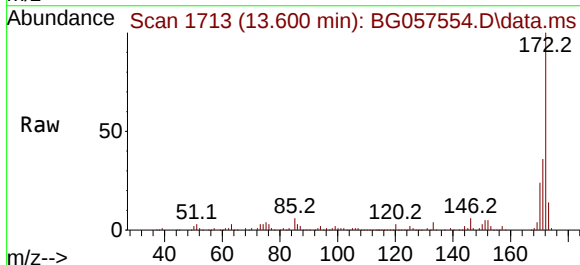
Instrument :
BNA_G
ClientSampleId :
PB153012BL

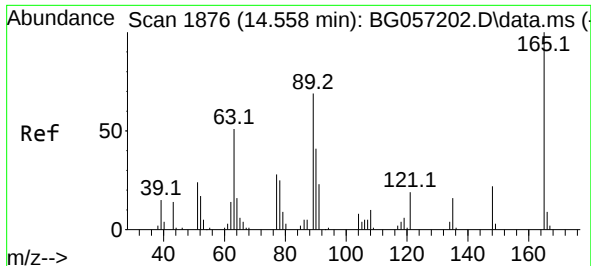
Tgt Ion:330 Resp: 133983
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.2
141 31.1 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 84.753 ng
RT: 13.600 min Scan# 1713
Delta R.T. -0.005 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

Tgt Ion:172 Resp: 392755
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.1 19.0 28.6

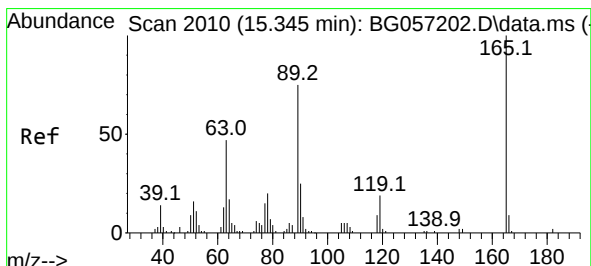
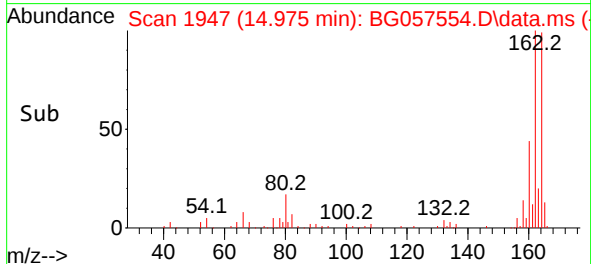
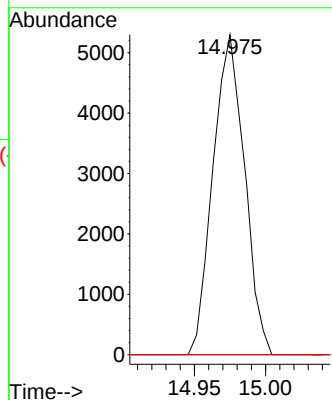
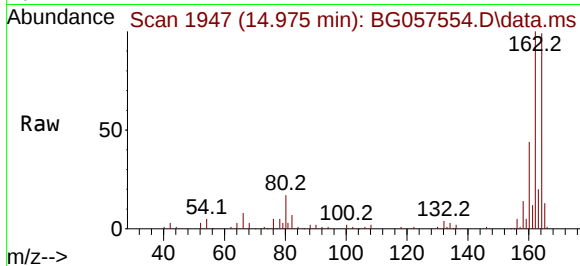




#51
2,6-Dinitrotoluene
Concen: 7.811 ng
RT: 14.975 min Scan# 1947
Delta R.T. 0.424 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

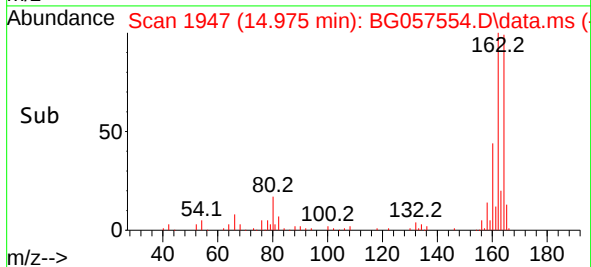
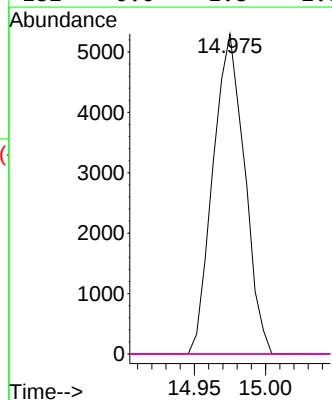
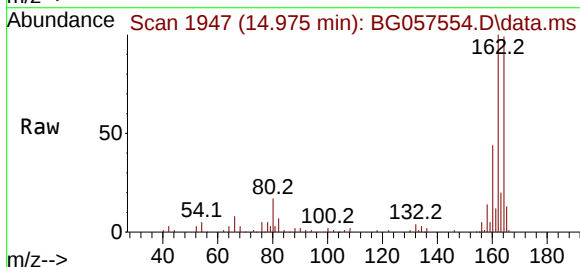
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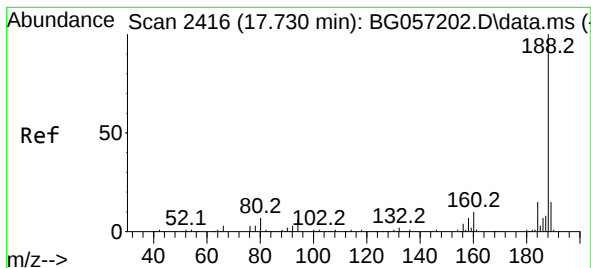
Tgt Ion:165 Resp: 8179
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.465 ng
RT: 14.975 min Scan# 1947
Delta R.T. -0.364 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

Tgt Ion:165 Resp: 8179
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2416

Delta R.T. -0.011 min

Lab File: BG057554.D

Acq: 25 May 2023 12:10

Instrument :

BNA_G

ClientSampleId :

PB153012BL

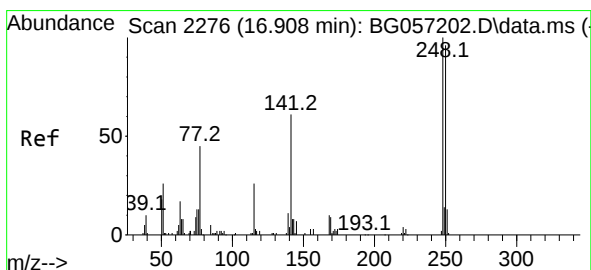
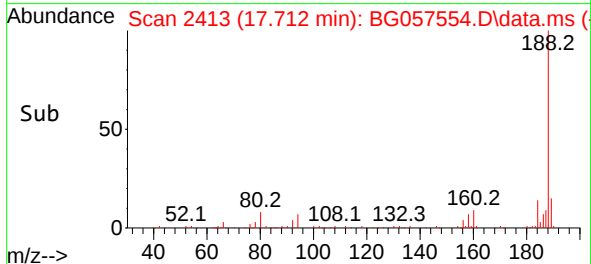
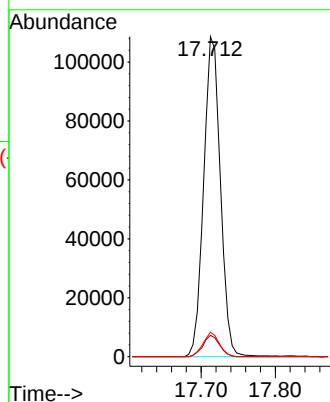
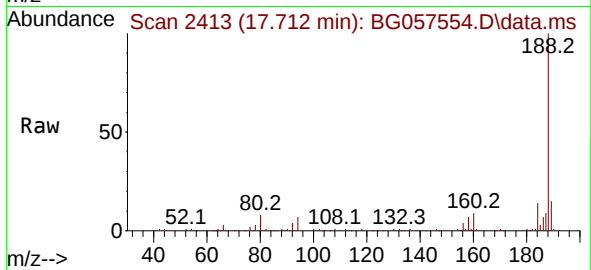
Tgt Ion:188 Resp: 170181

Ion Ratio Lower Upper

188 100

94 6.7 5.1 7.7

80 7.6 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 4.420 ng

RT: 16.461 min Scan# 2200

Delta R.T. -0.434 min

Lab File: BG057554.D

Acq: 25 May 2023 12:10

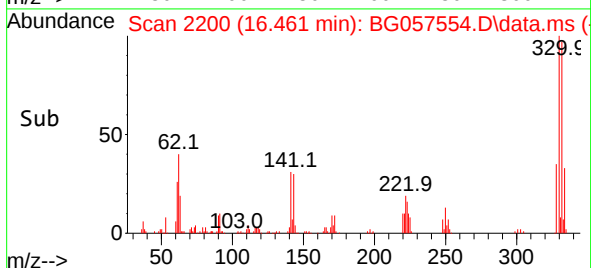
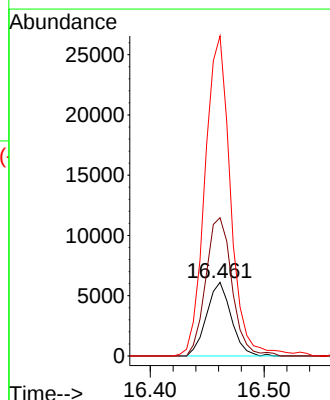
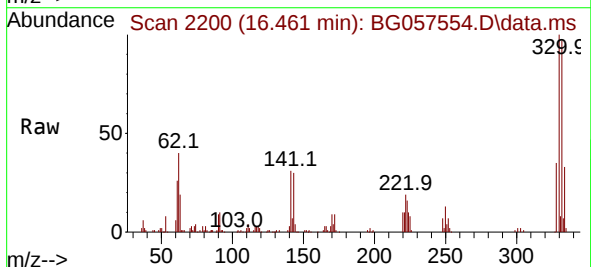
Tgt Ion:248 Resp: 9182

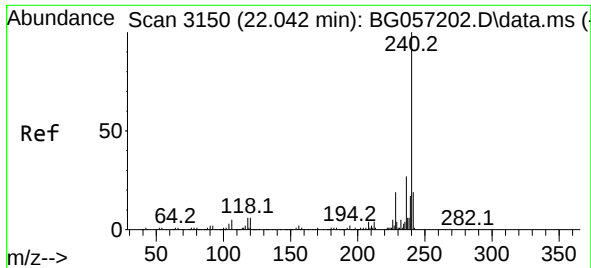
Ion Ratio Lower Upper

248 100

250 187.9 77.0 115.6#

141 435.0 48.6 72.8#

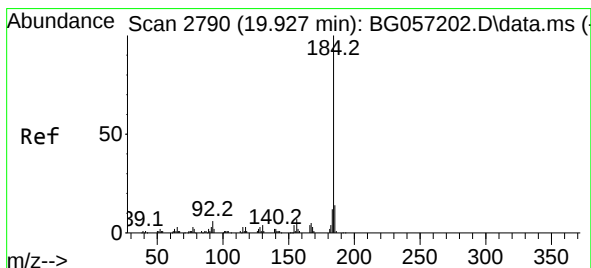
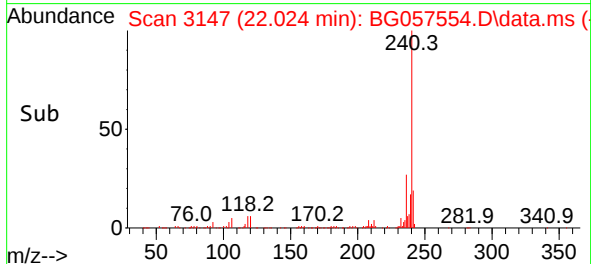
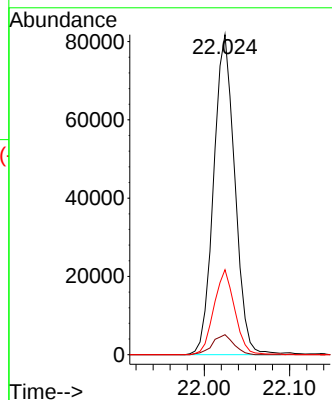
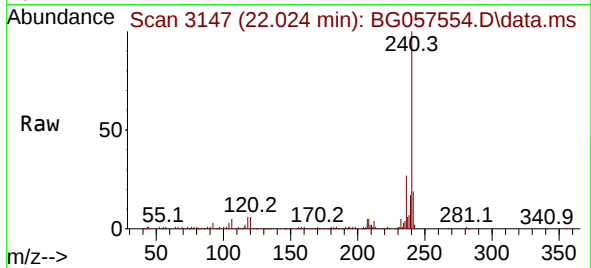




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

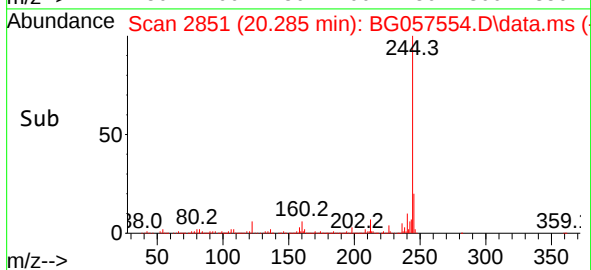
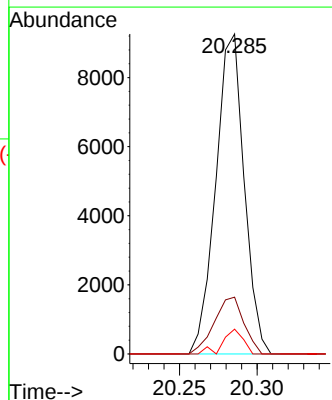
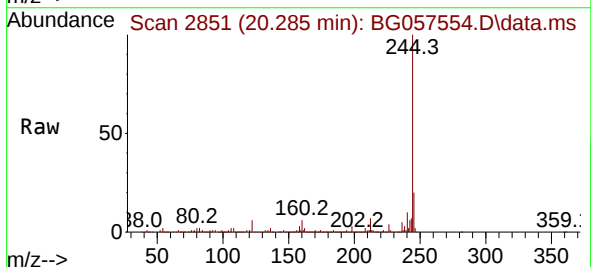
Instrument :
BNA_G
ClientSampleId :
PB153012BL

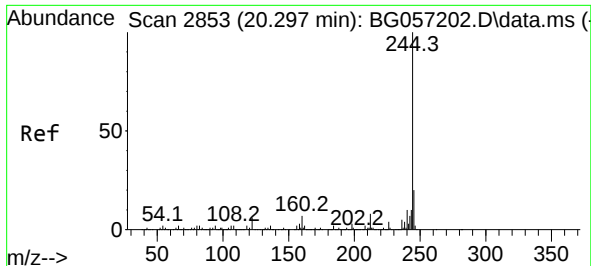
Tgt Ion:240 Resp: 140988
Ion Ratio Lower Upper
240 100
120 6.2 4.9 7.3
236 26.5 21.4 32.2



#77
Benzidine
Concen: 3.740 ng
RT: 20.285 min Scan# 2851
Delta R.T. 0.365 min
Lab File: BG057554.D
Acq: 25 May 2023 12:10

Tgt Ion:184 Resp: 11787
Ion Ratio Lower Upper
184 100
185 17.8 11.1 16.7#
183 7.8 9.9 14.9#

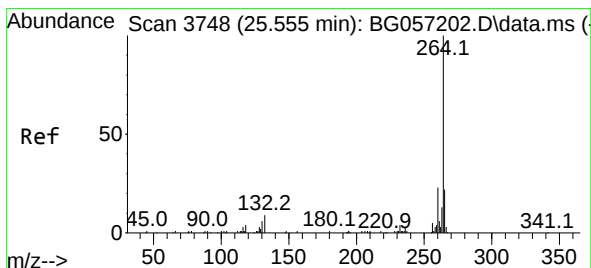
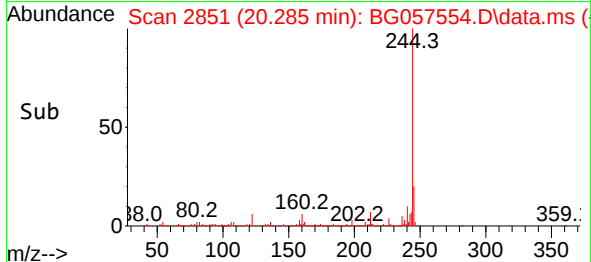
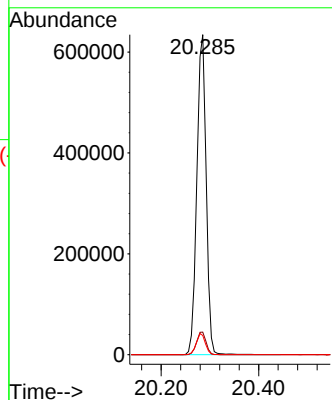
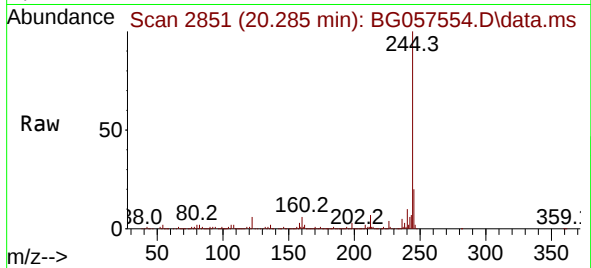




#79
 Terphenyl-d14
 Concen: 98.262 ng
 RT: 20.285 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG057554.D
 Acq: 25 May 2023 12:10

Instrument :
 BNA_G
 ClientSampleId :
 PB153012BL

Tgt Ion:244 Resp: 848923
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.0 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.525 min Scan# 3743
 Delta R.T. -0.017 min
 Lab File: BG057554.D
 Acq: 25 May 2023 12:10

Tgt Ion:264 Resp: 152407
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 22.2 17.9 26.9

