

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052623\
 Data File : BG057579.D
 Acq On : 26 May 2023 10:29
 Operator : CG/JU
 Sample : PB153043BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB153043BL

Quant Time: May 26 11:07:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

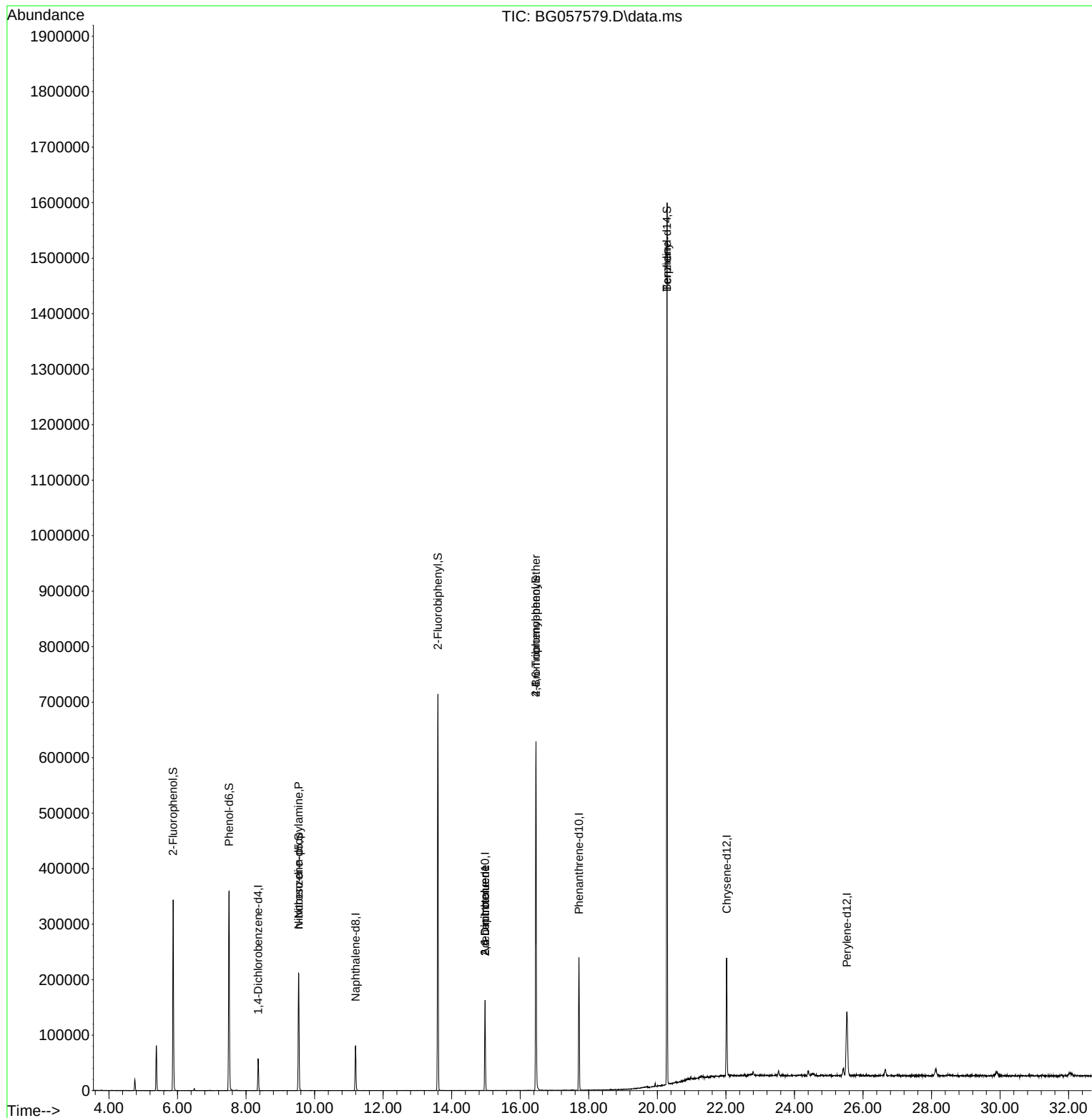
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.352	152	16937	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	71985	20.000	ng	0.00
39) Acenaphthene-d10	14.973	164	60288	20.000	ng	0.00
64) Phenanthrene-d10	17.716	188	166774	20.000	ng	0.00
76) Chrysene-d12	22.022	240	140857	20.000	ng	0.00
86) Perylene-d12	25.529	264	150003	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	151543	153.056	ng	0.00
7) Phenol-d6	7.506	99	229583	152.696	ng	0.00
23) Nitrobenzene-d5	9.539	82	143160	83.469	ng	0.00
42) 2,4,6-Tribromophenol	16.459	330	137147	160.326	ng	0.00
45) 2-Fluorobiphenyl	13.598	172	389425	86.995	ng	0.00
79) Terphenyl-d14	20.283	244	833030	96.512	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.500	77	309	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.539	70	19896	17.354	ng	# 77
51) 2,6-Dinitrotoluene	14.973	165	8071	7.979	ng	# 17
57) 2,4-Dinitrotoluene	14.973	165	8071	5.583	ng	# 20
67) 4-Bromophenyl-phenylether	16.459	248	9299	4.568	ng	# 1
77) Benzidine	20.283	184	12632	4.011	ng	# 91

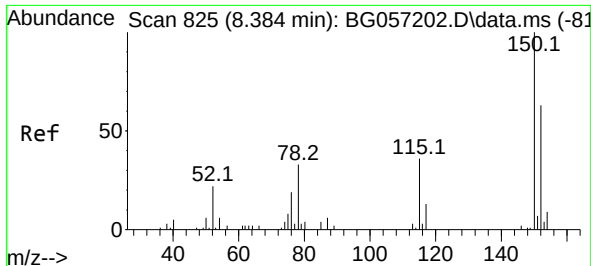
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052623\
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QLast Update : Fri May 26 02:58:05 2023
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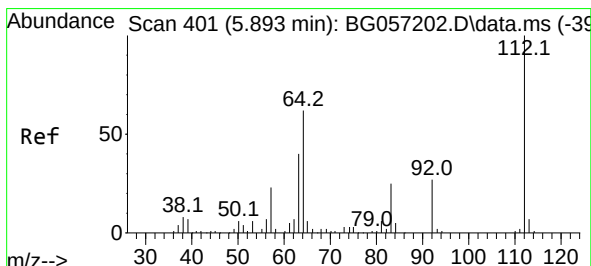
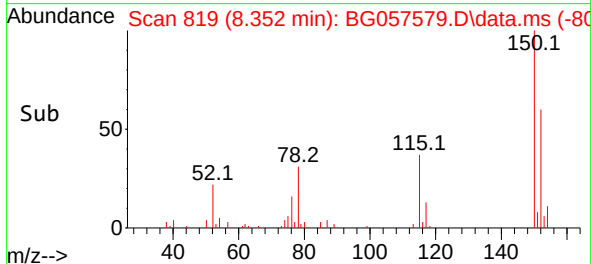
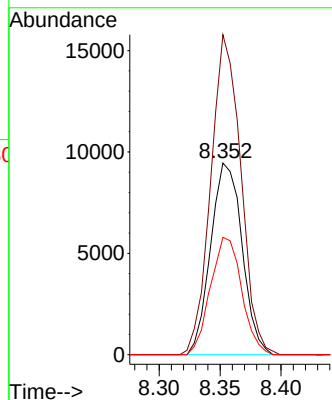
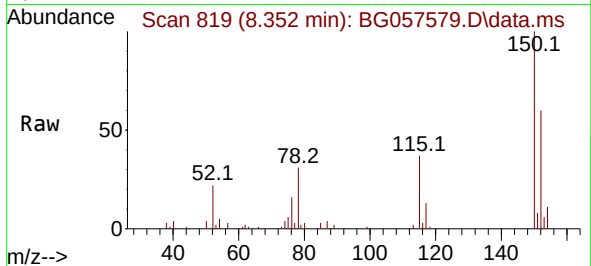




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.352 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

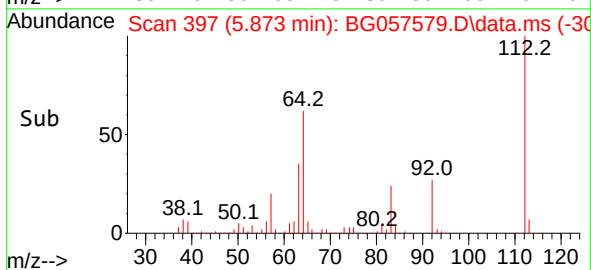
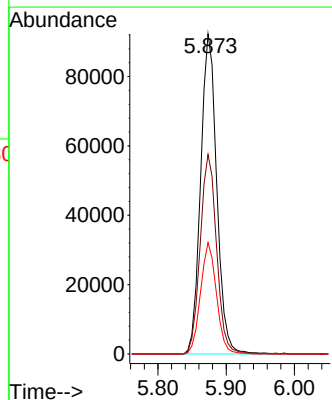
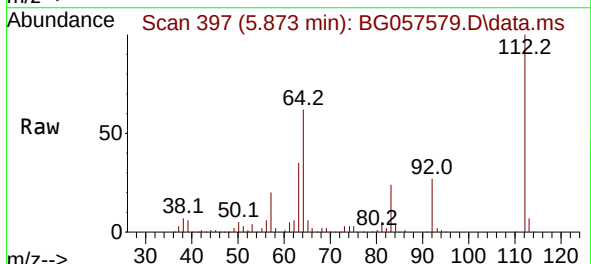
Instrument :
BNA_G
ClientSampleId :
PB153043BL

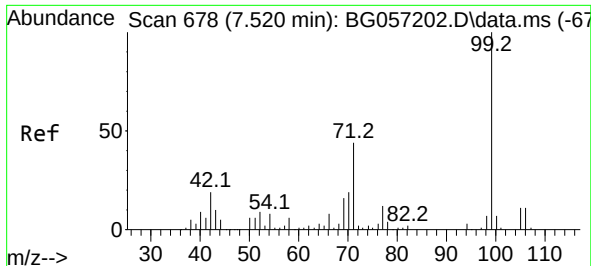
Tgt Ion:152 Resp: 16937
Ion Ratio Lower Upper
152 100
150 167.0 126.2 189.4
115 61.2 45.0 67.4



#5
2-Fluorophenol
Concen: 153.056 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

Tgt Ion:112 Resp: 151543
Ion Ratio Lower Upper
112 100
64 62.3 49.4 74.2
63 34.8 31.6 47.4

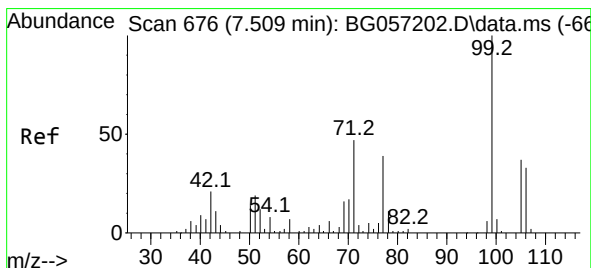
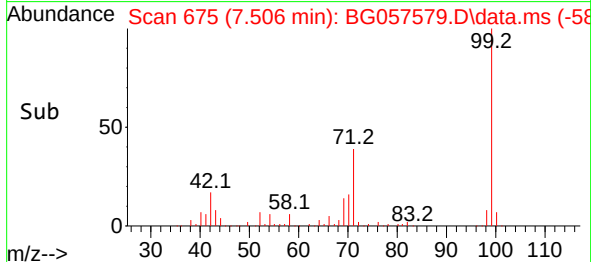
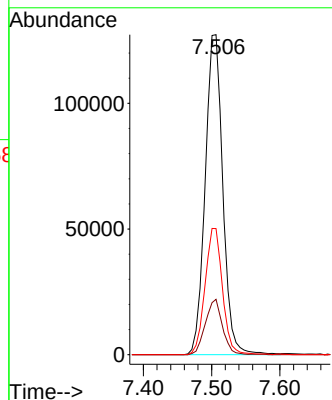
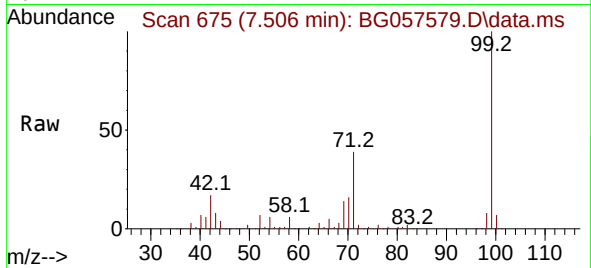




#7
Phenol-d6
Concen: 152.696 ng
RT: 7.506 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

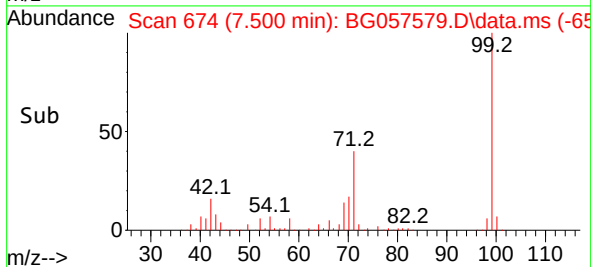
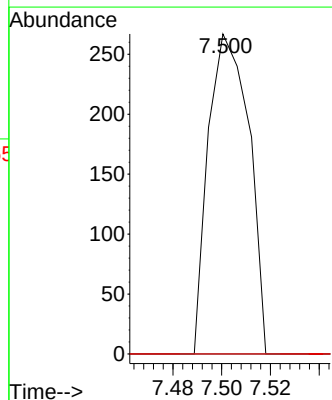
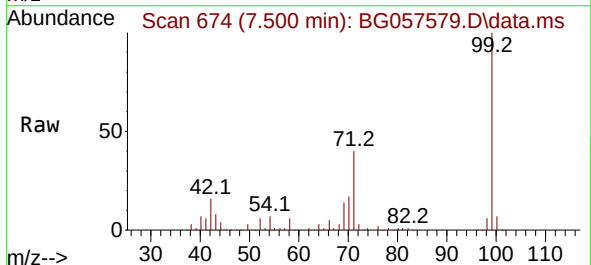
Instrument :
BNA_G
ClientSampleId :
PB153043BL

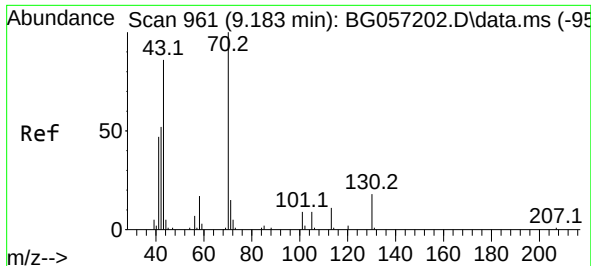
Tgt Ion: 99 Resp: 229583
Ion Ratio Lower Upper
99 100
42 17.3 15.1 22.7
71 39.4 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.500 min Scan# 674
Delta R.T. 0.019 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

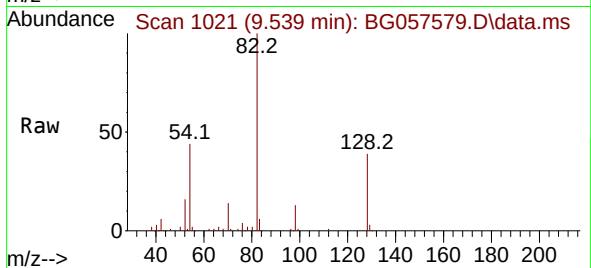
Tgt Ion: 77 Resp: 309
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#





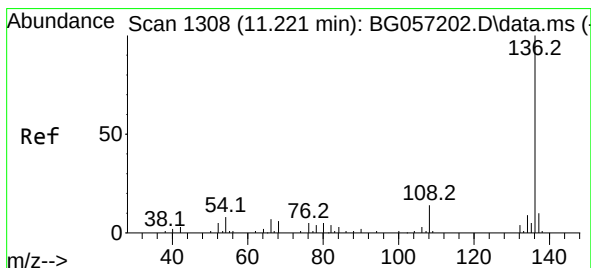
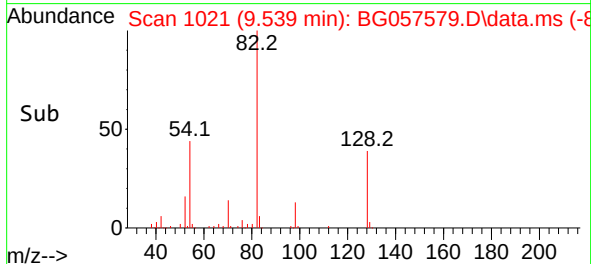
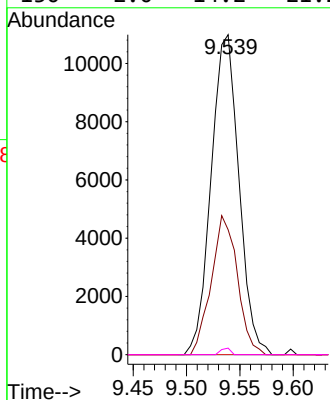
#19
n-Nitroso-di-n-propylamine
Concen: 17.354 ng
RT: 9.539 min Scan# 1021
Delta R.T. 0.383 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

Instrument :
BNA_G
ClientSampleId :
PB153043BL



Tgt Ion: 70 Resp: 19896

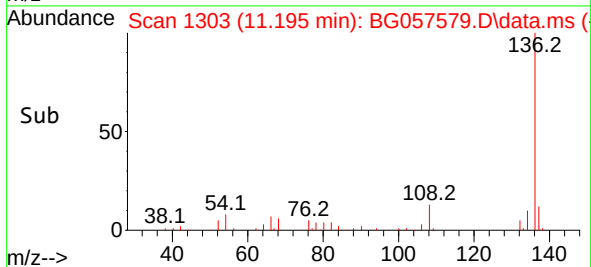
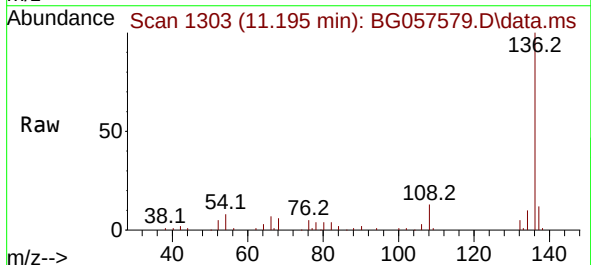
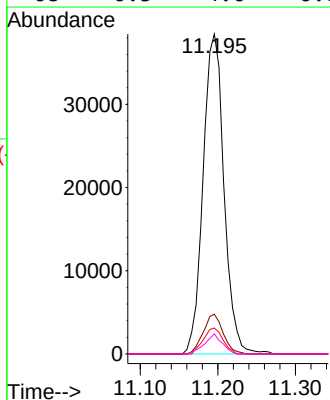
Ion	Ratio	Lower	Upper
70	100		
42	39.1	41.8	62.8#
101	0.0	6.8	10.2#
130	2.0	14.2	21.2#

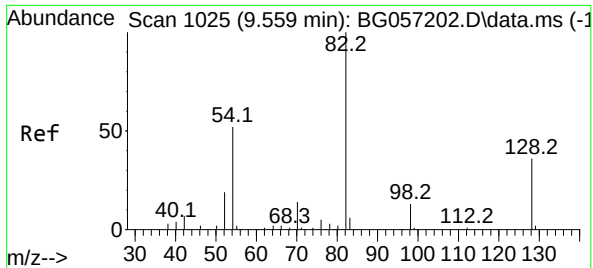


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. 0.001 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

Tgt Ion: 136 Resp: 71985

Ion	Ratio	Lower	Upper
136	100		
137	12.4	8.3	12.5
54	8.1	6.7	10.1
68	6.3	4.6	6.8





#23

Nitrobenzene-d5

Concen: 83.469 ng

RT: 9.539 min Scan# 1025

Delta R.T. 0.001 min

Lab File: BG057579.D

Acq: 26 May 2023 10:29

Instrument :

BNA_G

ClientSampleId :

PB153043BL

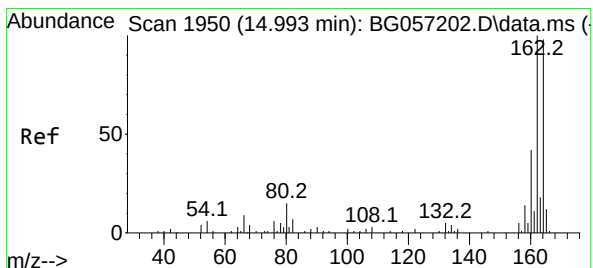
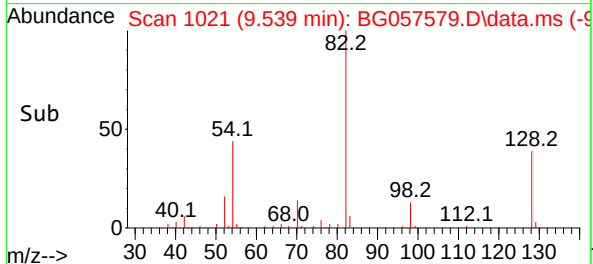
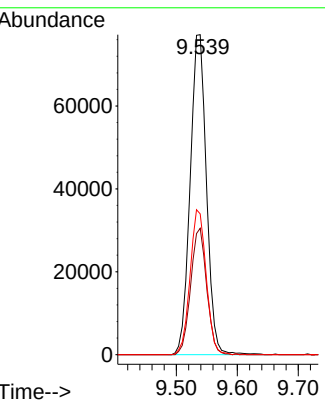
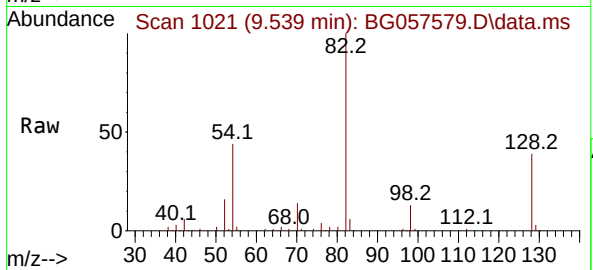
Tgt Ion: 82 Resp: 143160

Ion Ratio Lower Upper

82 100

128 39.5 29.0 43.4

54 44.0 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.973 min Scan# 1946

Delta R.T. 0.001 min

Lab File: BG057579.D

Acq: 26 May 2023 10:29

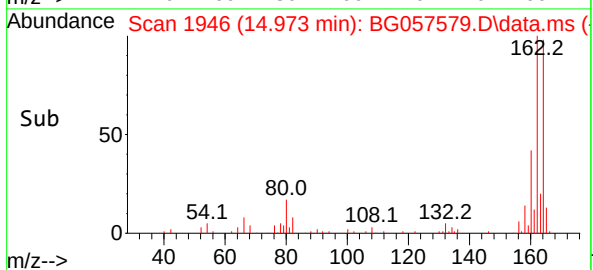
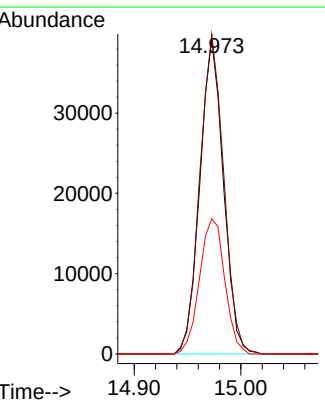
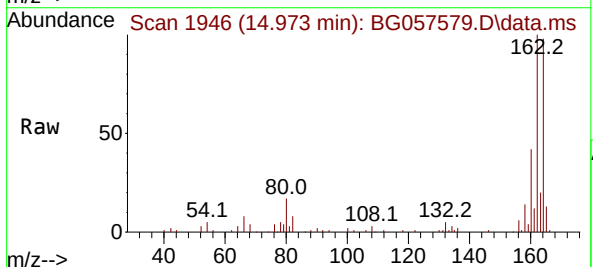
Tgt Ion:164 Resp: 60288

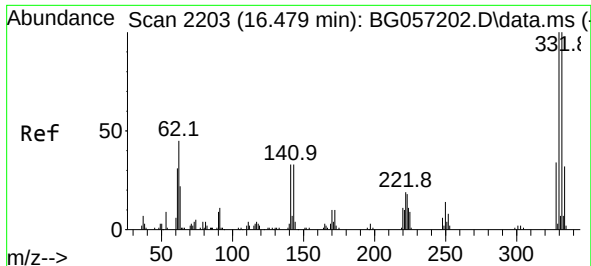
Ion Ratio Lower Upper

164 100

162 101.7 81.8 122.6

160 43.0 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 160.326 ng

RT: 16.459 min Scan# 2199

Delta R.T. 0.001 min

Lab File: BG057579.D

Acq: 26 May 2023 10:29

Instrument :

BNA_G

ClientSampleId :

PB153043BL

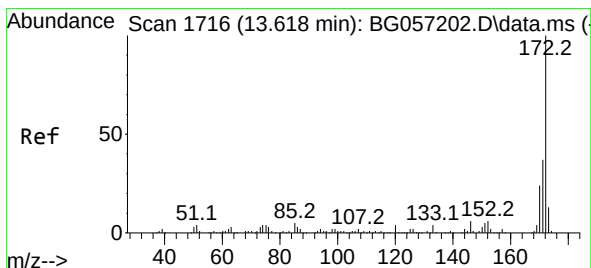
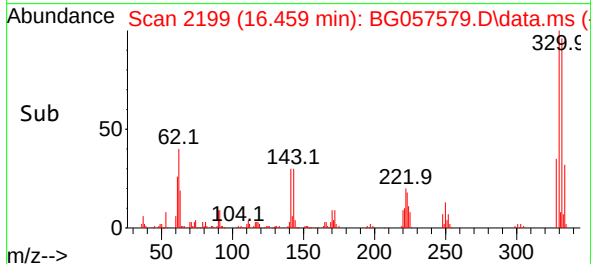
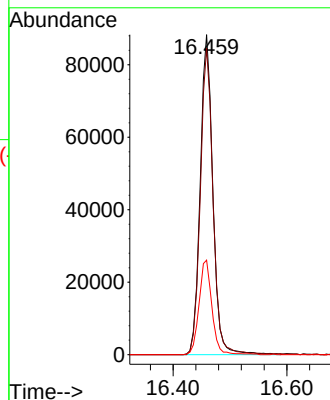
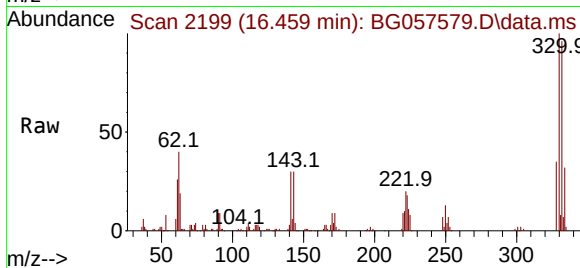
Tgt Ion:330 Resp: 137147

Ion Ratio Lower Upper

330 100

332 96.3 78.2 117.2

141 30.1 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 86.995 ng

RT: 13.598 min Scan# 1712

Delta R.T. 0.001 min

Lab File: BG057579.D

Acq: 26 May 2023 10:29

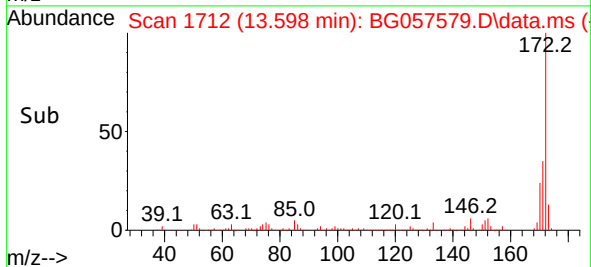
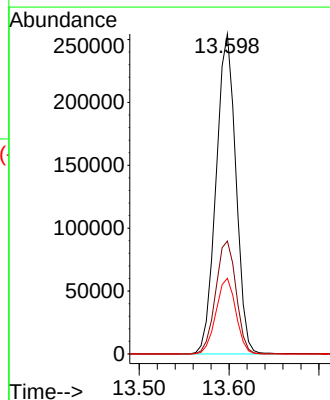
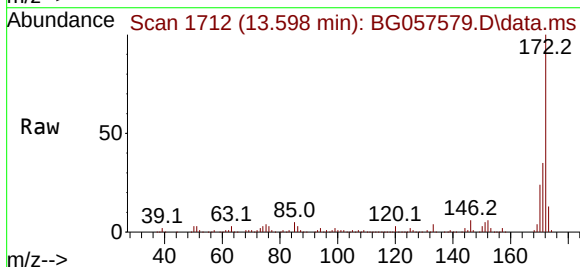
Tgt Ion:172 Resp: 389425

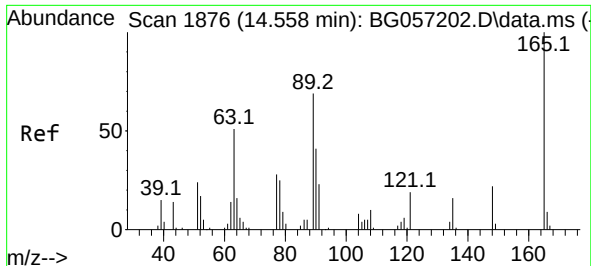
Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 23.7 19.0 28.6

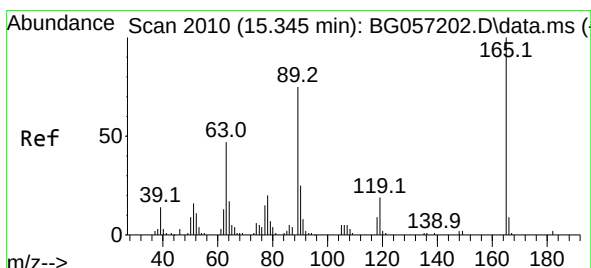
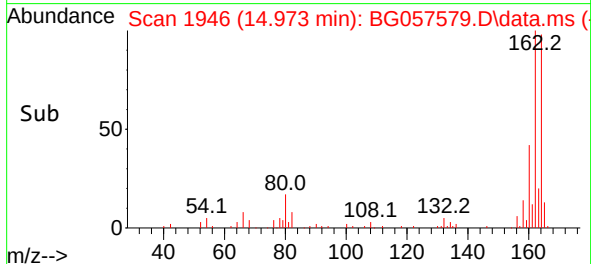
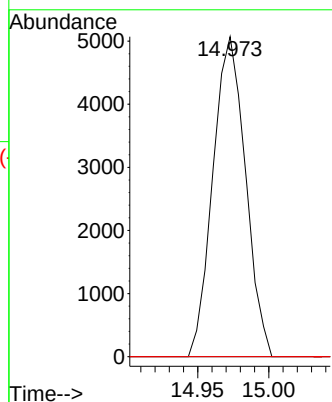
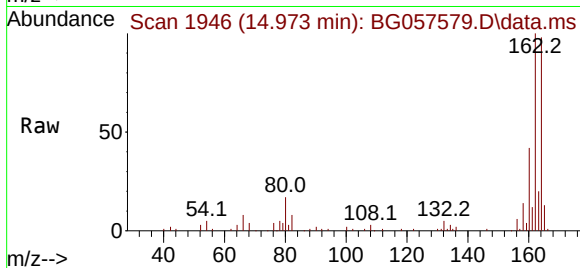




#51
2,6-Dinitrotoluene
Concen: 7.979 ng
RT: 14.973 min Scan# 1946
Delta R.T. 0.430 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

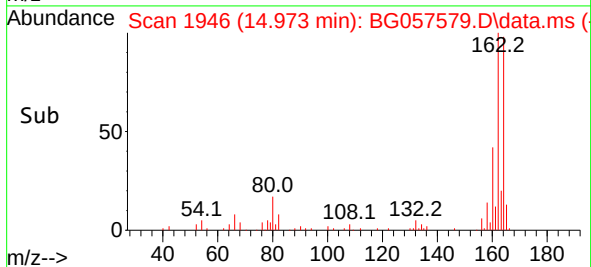
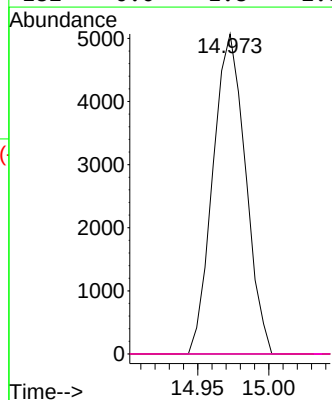
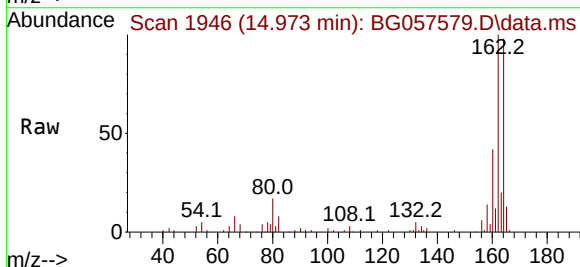
Instrument :
BNA_G
ClientSampleId :
PB153043BL

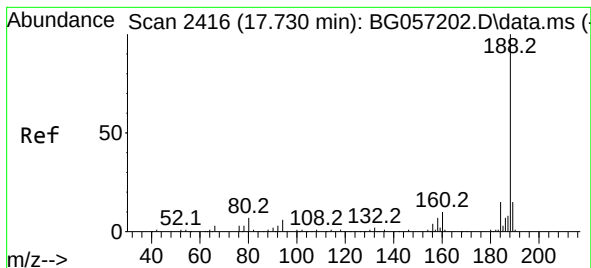
Tgt Ion:165 Resp: 8071
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.583 ng
RT: 14.973 min Scan# 1946
Delta R.T. -0.357 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

Tgt Ion:165 Resp: 8071
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: 17.716 min Scan# 2416

Delta R.T. 0.007 min

Lab File: BG057579.D

Acq: 26 May 2023 10:29

Instrument :

BNA_G

ClientSampleId :

PB153043BL

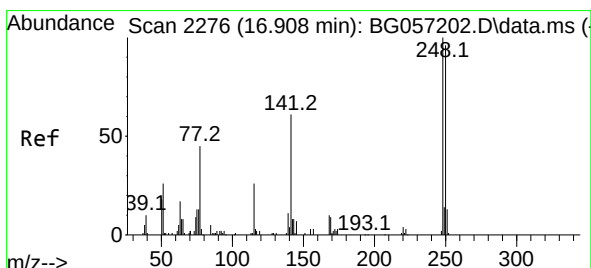
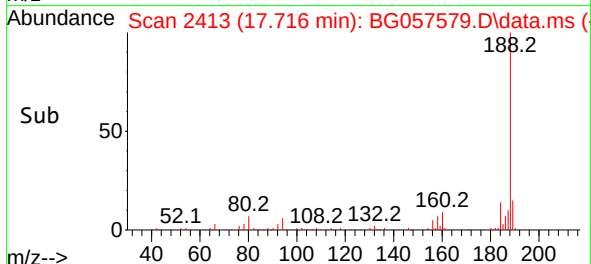
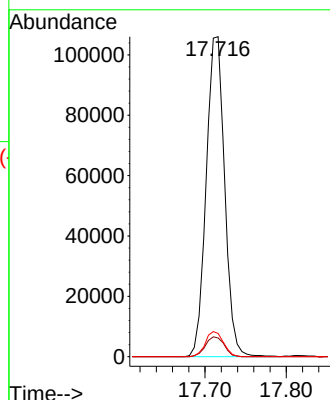
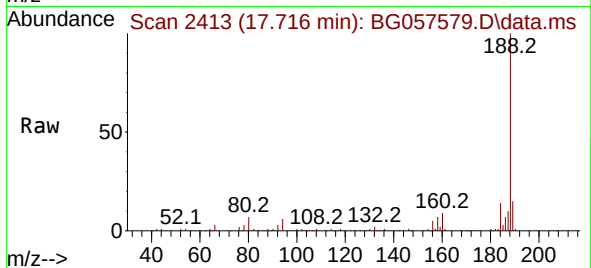
Tgt Ion:188 Resp: 166774

Ion Ratio Lower Upper

188 100

94 5.9 5.1 7.7

80 7.2 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 4.568 ng

RT: 16.459 min Scan# 2199

Delta R.T. -0.428 min

Lab File: BG057579.D

Acq: 26 May 2023 10:29

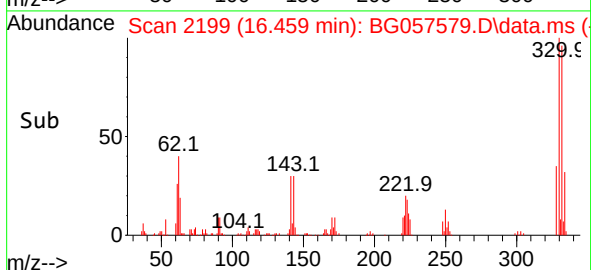
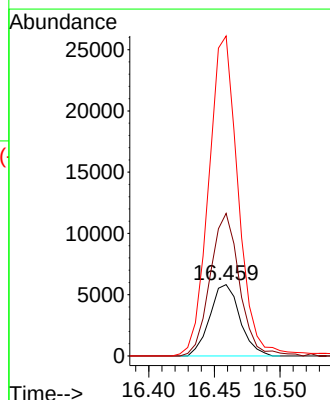
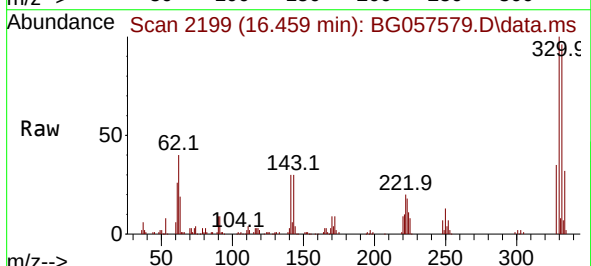
Tgt Ion:248 Resp: 9299

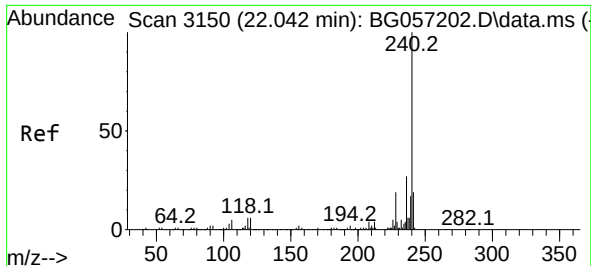
Ion Ratio Lower Upper

248 100

250 199.8 77.0 115.6#

141 448.3 48.6 72.8#

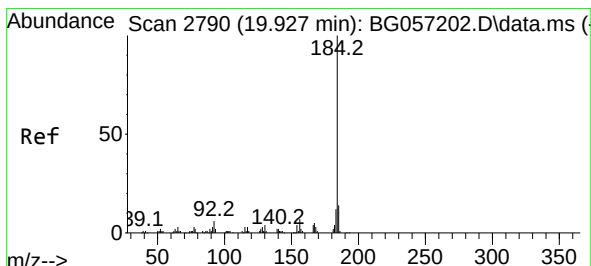
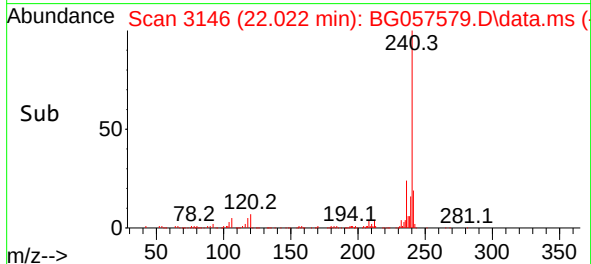
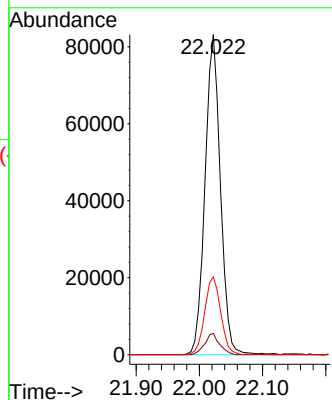
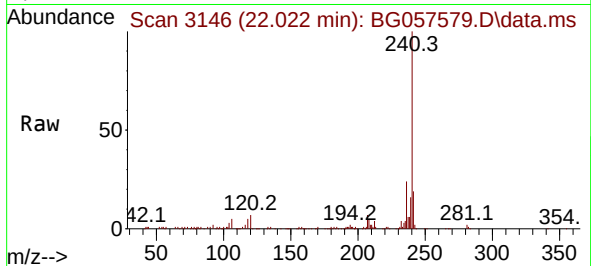




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.022 min Scan# 3150
Delta R.T. 0.001 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

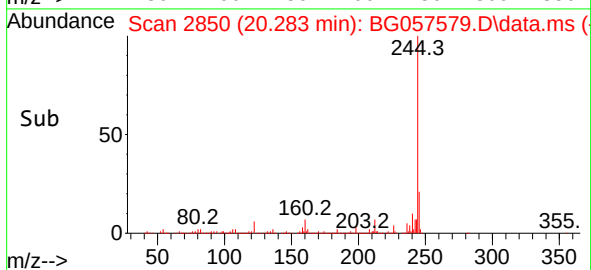
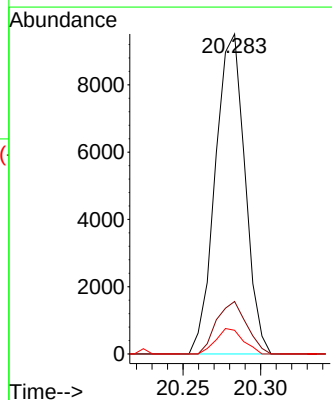
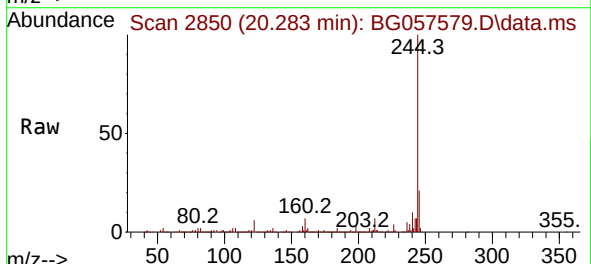
Instrument :
BNA_G
ClientSampleId :
PB153043BL

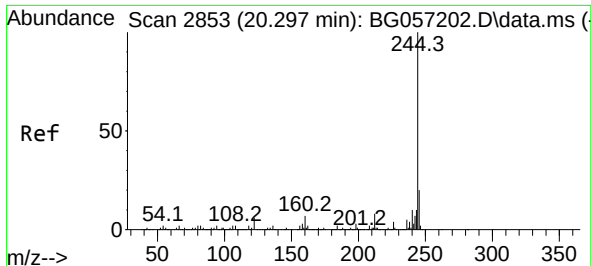
Tgt Ion:240 Resp: 140857
Ion Ratio Lower Upper
240 100
120 6.6 4.9 7.3
236 24.3 21.4 32.2



#77
Benzidine
Concen: 4.011 ng
RT: 20.283 min Scan# 2850
Delta R.T. 0.377 min
Lab File: BG057579.D
Acq: 26 May 2023 10:29

Tgt Ion:184 Resp: 12632
Ion Ratio Lower Upper
184 100
185 16.4 11.1 16.7
183 7.4 9.9 14.9#

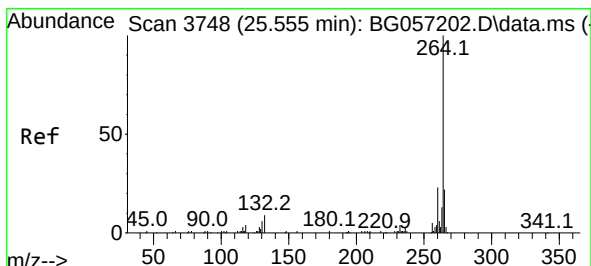
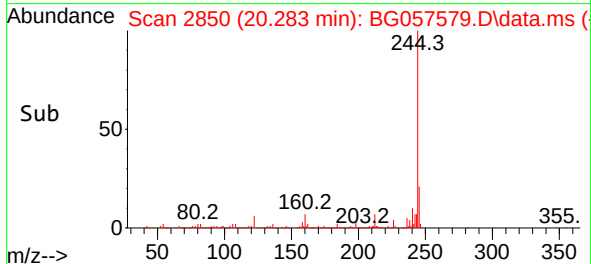
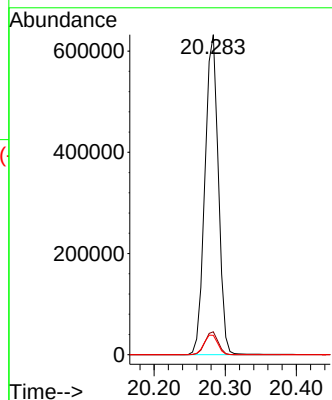
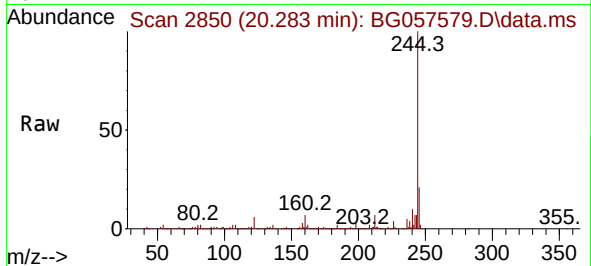




#79
 Terphenyl-d14
 Concen: 96.512 ng
 RT: 20.283 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG057579.D
 Acq: 26 May 2023 10:29

Instrument :
 BNA_G
 ClientSampleId :
 PB153043BL

Tgt Ion:244 Resp: 833030
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.0 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.529 min Scan# 3743
 Delta R.T. 0.007 min
 Lab File: BG057579.D
 Acq: 26 May 2023 10:29

Tgt Ion:264 Resp: 150003
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 22.9 17.9 26.9

