

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056368.D
 Acq On : 20 Jan 2023 15:20
 Operator : CG/JU
 Sample : 01220-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-8

Quant Time: Jan 22 23:59:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

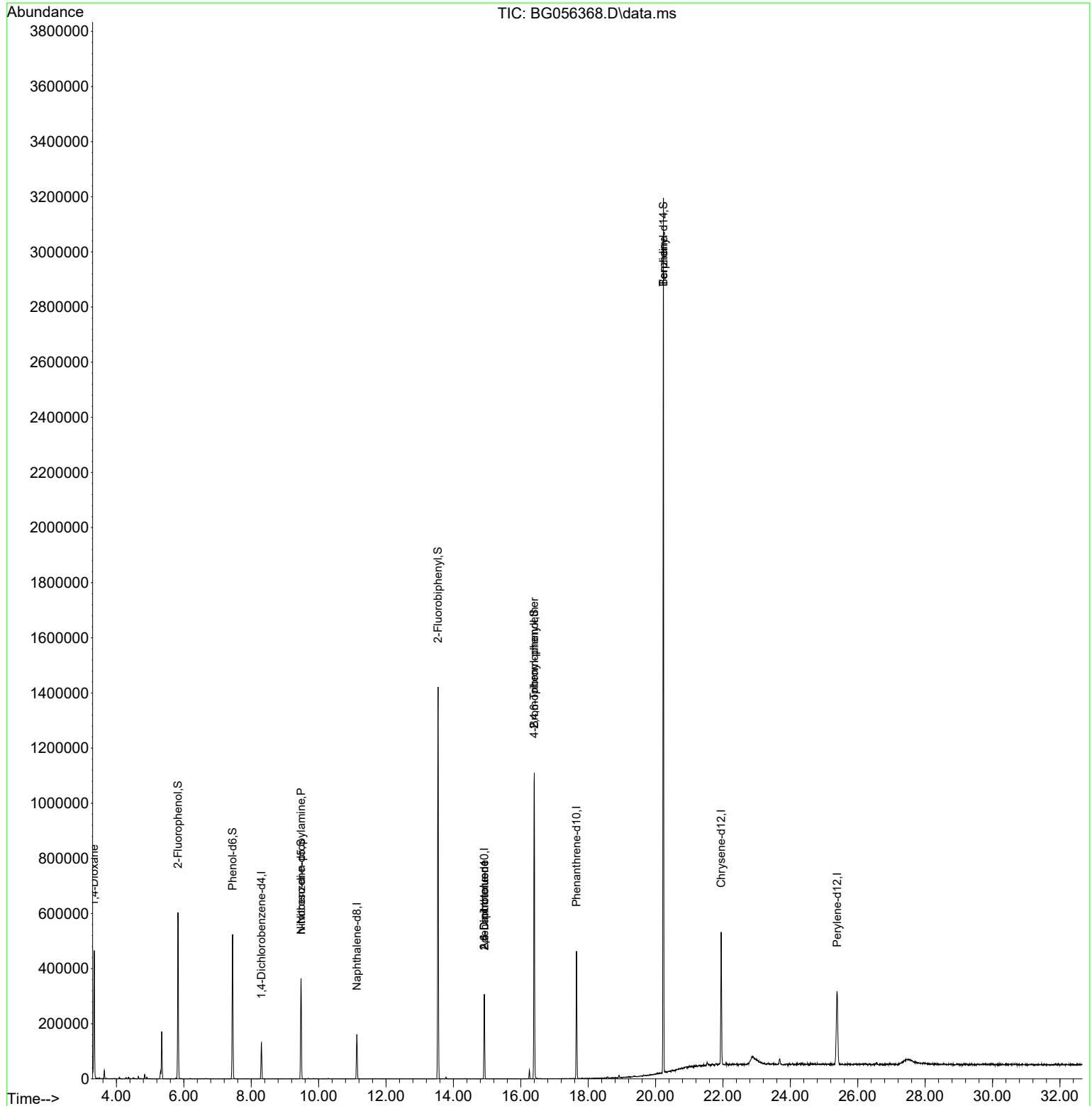
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	45614	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	156475	20.000	ng	0.00
39) Acenaphthene-d10	14.914	164	122012	20.000	ng	0.00
64) Phenanthrene-d10	17.652	188	318835	20.000	ng	0.00
76) Chrysene-d12	21.947	240	311825	20.000	ng	0.00
86) Perylene-d12	25.385	264	333711	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	338603	132.541	ng	0.00
7) Phenol-d6	7.447	99	412018	105.019	ng	0.00
23) Nitrobenzene-d5	9.480	82	259440	84.811	ng	0.00
42) 2,4,6-Tribromophenol	16.401	330	243650	157.676	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	820155	92.823	ng	0.00
79) Terphenyl-d14	20.232	244	1723455	98.991	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.340	88	5891	5.048	ng	# 1
19) n-Nitroso-di-n-propyla...	9.480	70	32139	13.472	ng	# 74
51) 2,6-Dinitrotoluene	14.914	165	15823	7.539	ng	# 34
57) 2,4-Dinitrotoluene	14.914	165	15823	5.391	ng	# 31
67) 4-Bromophenyl-phenylether	16.395	248	18918	4.660	ng	# 1
77) Benzidine	20.232	184	23182	2.121	ng	# 94

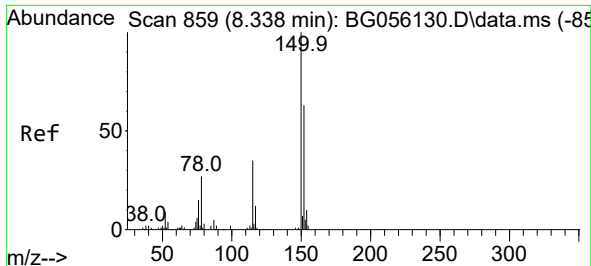
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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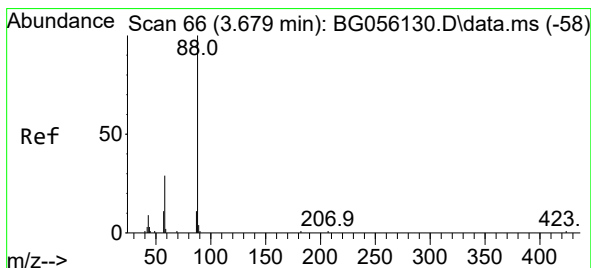
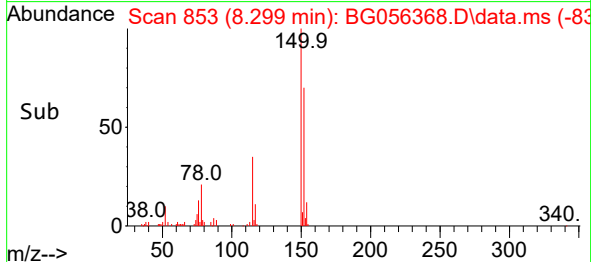
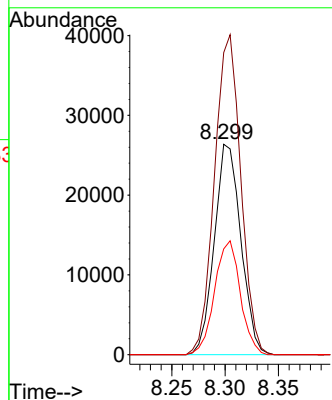
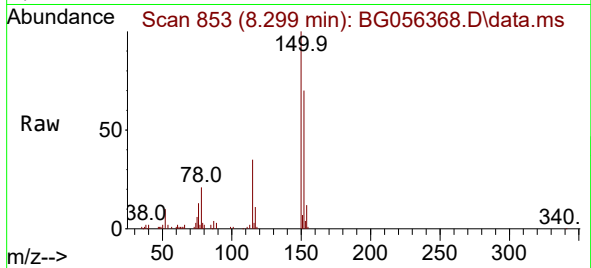




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.299 min Scan# 8
 Delta R.T. -0.007 min
 Lab File: BG056368.D
 Acq: 20 Jan 2023 15:20

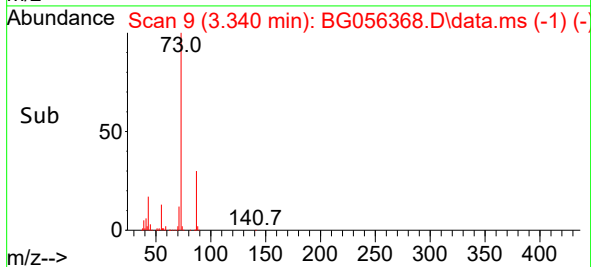
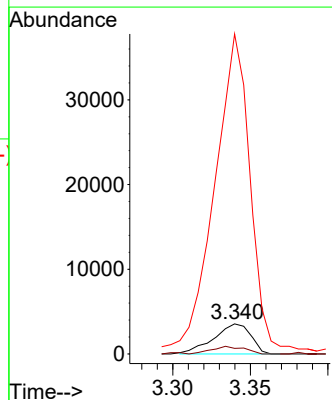
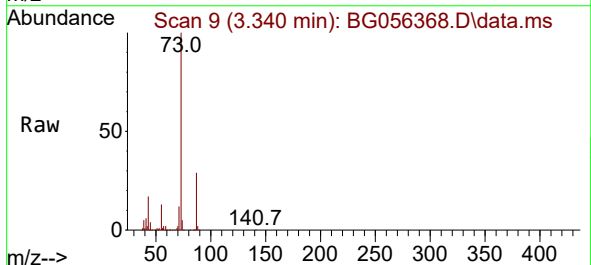
Instrument :
 BNA_G
 ClientSampleId :
 MH-8

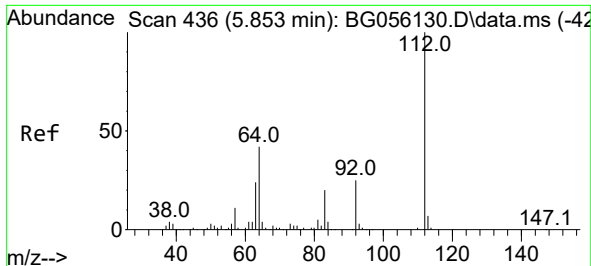
Tgt Ion:152 Resp: 45614
 Ion Ratio Lower Upper
 152 100
 150 143.5 127.9 191.9
 115 50.2 44.2 66.2



#2
 1,4-Dioxane
 Concen: 5.048 ng
 RT: 3.340 min Scan# 9
 Delta R.T. -0.295 min
 Lab File: BG056368.D
 Acq: 20 Jan 2023 15:20

Tgt Ion: 88 Resp: 5891
 Ion Ratio Lower Upper
 88 100
 58 22.6 21.4 32.0
 43 991.8 7.1 10.7#

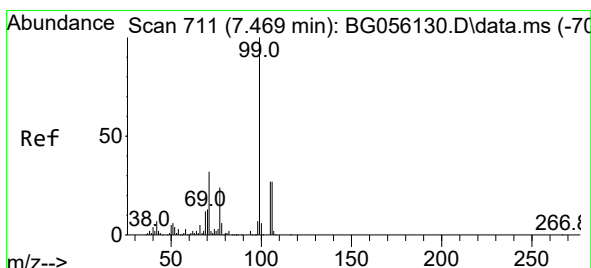
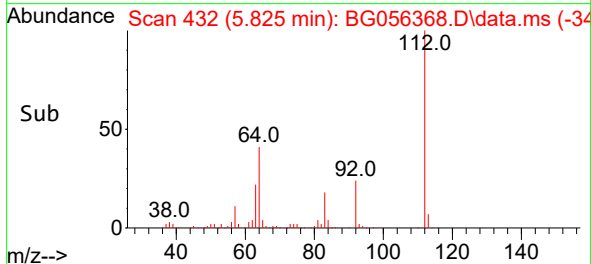
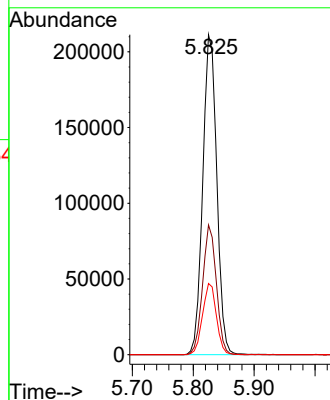
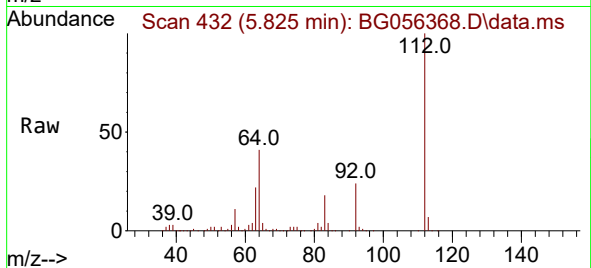




#5
2-Fluorophenol
Concen: 132.541 ng
RT: 5.825 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

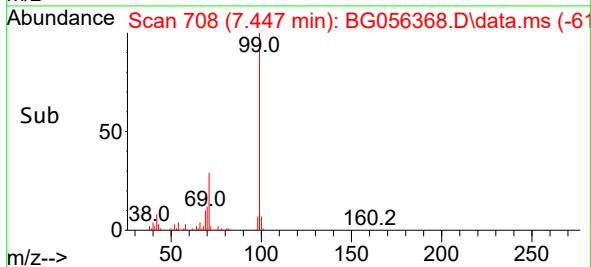
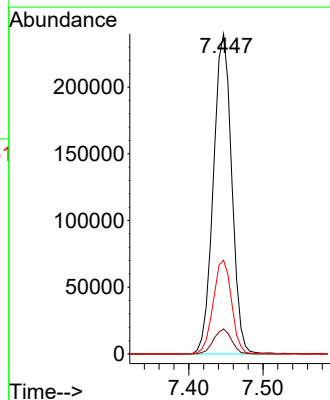
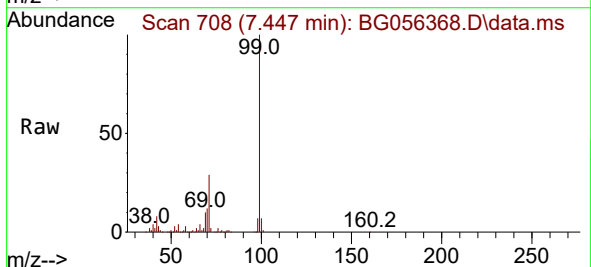
Instrument :
BNA_G
ClientSampleId :
MH-8

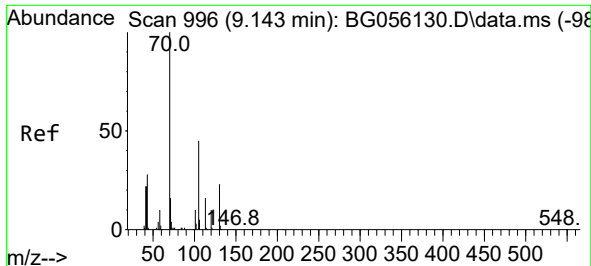
Tgt Ion:112 Resp: 338603
Ion Ratio Lower Upper
112 100
64 40.6 33.3 49.9
63 22.3 19.0 28.4



#7
Phenol-d6
Concen: 105.019 ng
RT: 7.447 min Scan# 708
Delta R.T. -0.001 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

Tgt Ion: 99 Resp: 412018
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 29.3 25.4 38.2





#19

n-Nitroso-di-n-propylamine

Concen: 13.472 ng

RT: 9.480 min Scan# 1054

Delta R.T. 0.369 min

Lab File: BG056368.D

Acq: 20 Jan 2023 15:20

Instrument :

BNA_G

ClientSampleId :

MH-8

Tgt Ion: 70 Resp: 32139

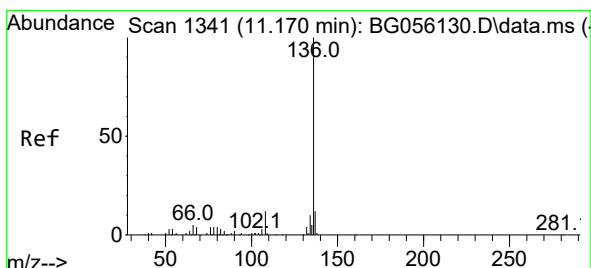
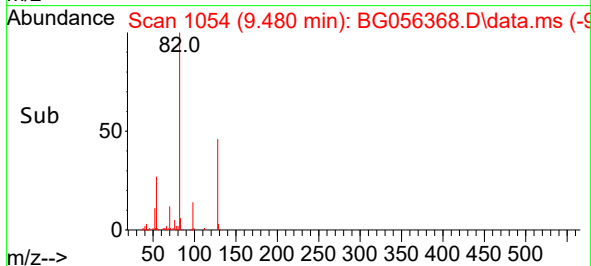
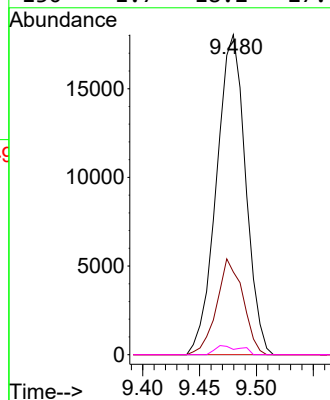
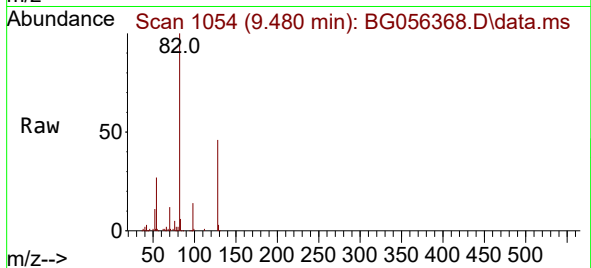
Ion Ratio Lower Upper

70 100

42 25.9 18.2 27.2

101 0.0 8.3 12.5#

130 1.7 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.137 min Scan# 1336

Delta R.T. -0.001 min

Lab File: BG056368.D

Acq: 20 Jan 2023 15:20

Tgt Ion:136 Resp: 156475

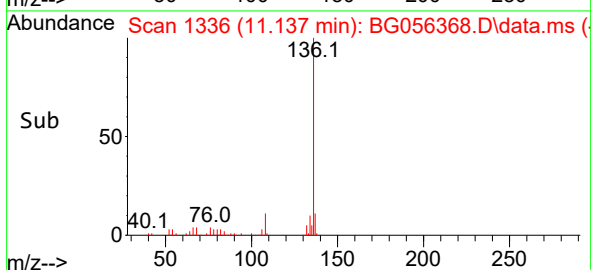
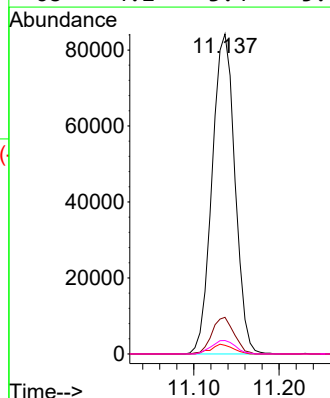
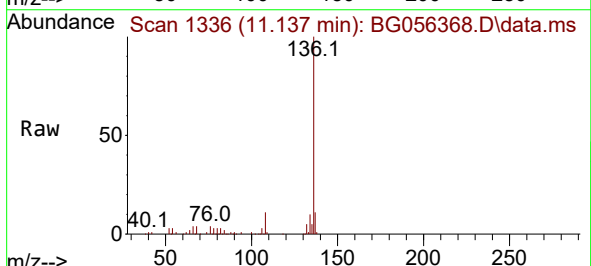
Ion Ratio Lower Upper

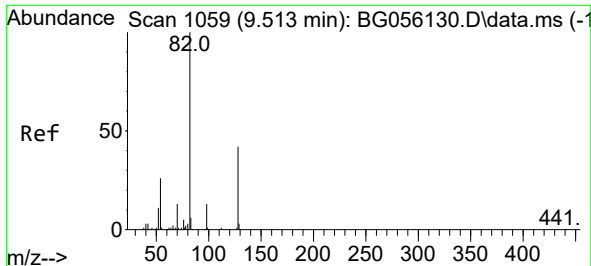
136 100

137 11.5 9.4 14.0

54 2.7 2.2 3.2

68 4.2 3.4 5.0

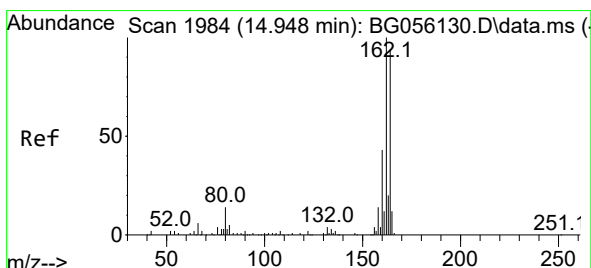
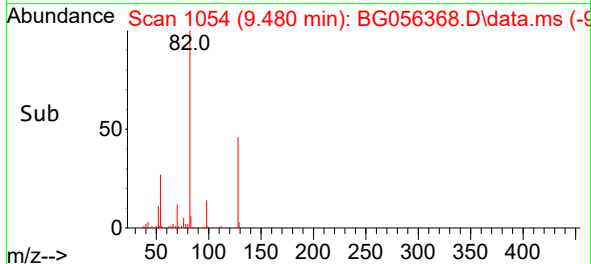
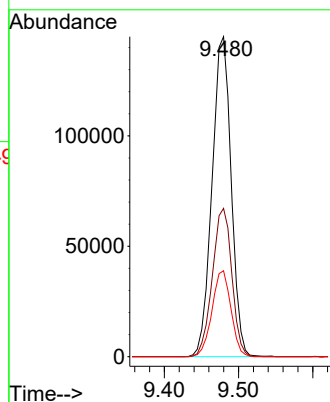
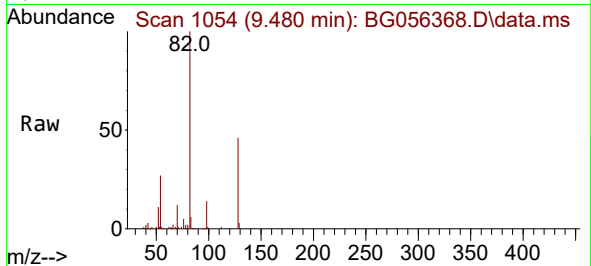




#23
Nitrobenzene-d5
Concen: 84.811 ng
RT: 9.480 min Scan# 1054
Delta R.T. -0.007 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

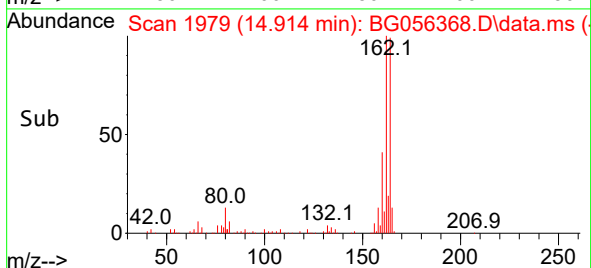
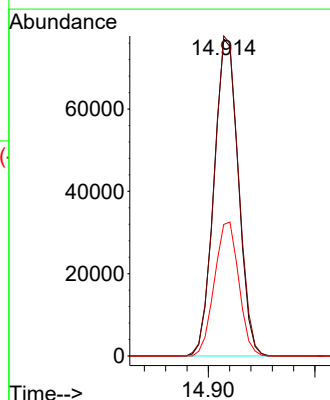
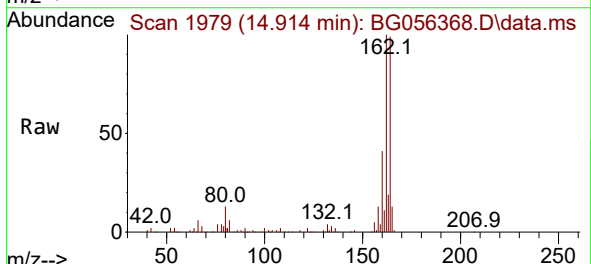
Instrument :
BNA_G
ClientSampleId :
MH-8

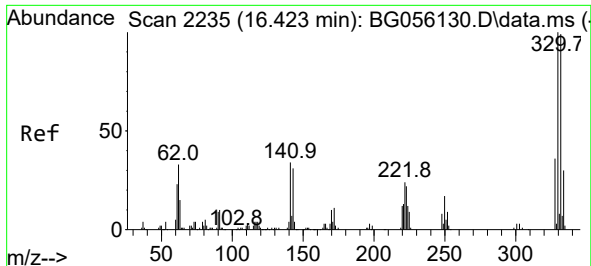
Tgt Ion: 82 Resp: 259440
Ion Ratio Lower Upper
82 100
128 46.4 33.4 50.2
54 26.8 20.3 30.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.914 min Scan# 1979
Delta R.T. -0.007 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

Tgt Ion: 164 Resp: 122012
Ion Ratio Lower Upper
164 100
162 100.9 84.7 127.1
160 41.5 36.3 54.5

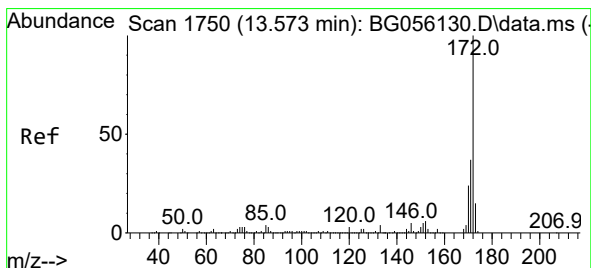
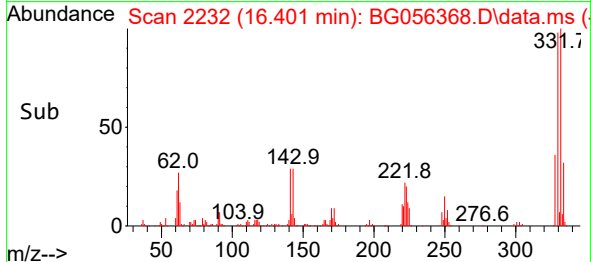
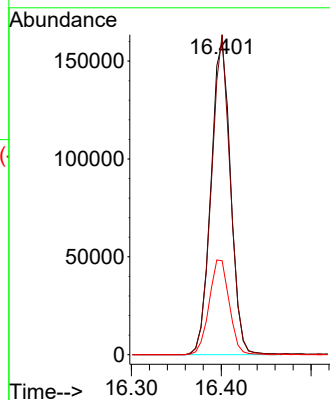
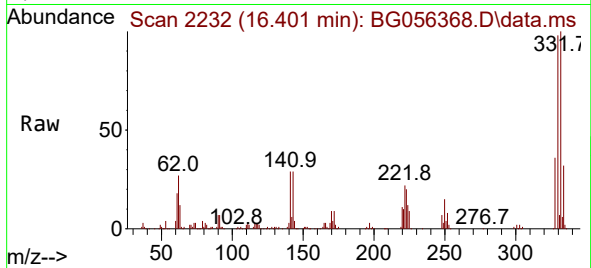




#42
 2,4,6-Tribromophenol
 Concen: 157.676 ng
 RT: 16.401 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056368.D
 Acq: 20 Jan 2023 15:20

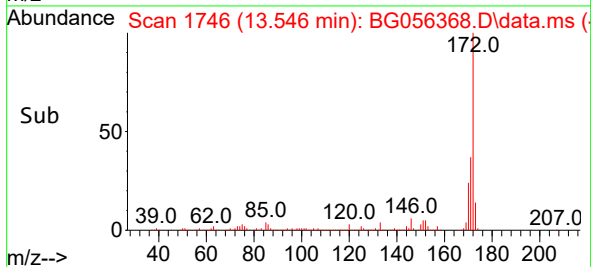
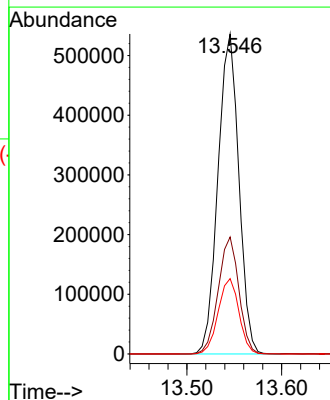
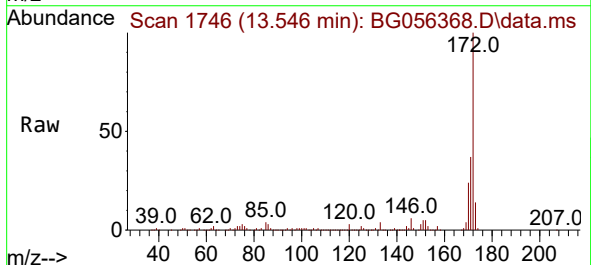
Instrument :
 BNA_G
 ClientSampleId :
 MH-8

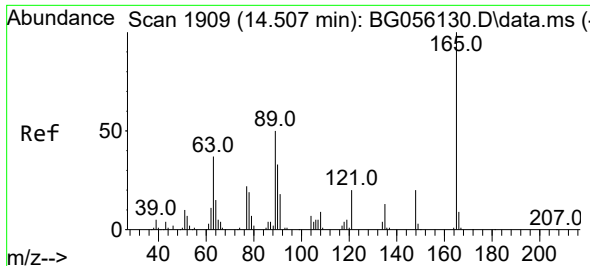
Tgt Ion:330 Resp: 243650
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.3 115.9
 141 30.8 27.9 41.9



#45
 2-Fluorobiphenyl
 Concen: 92.823 ng
 RT: 13.546 min Scan# 1746
 Delta R.T. -0.001 min
 Lab File: BG056368.D
 Acq: 20 Jan 2023 15:20

Tgt Ion:172 Resp: 820155
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.5 19.4 29.2

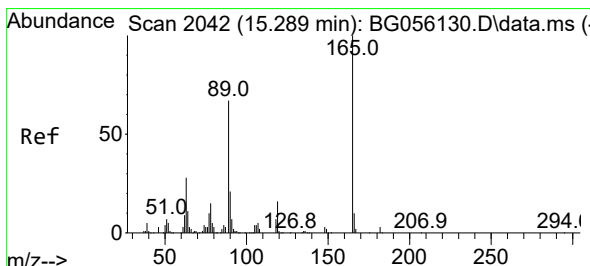
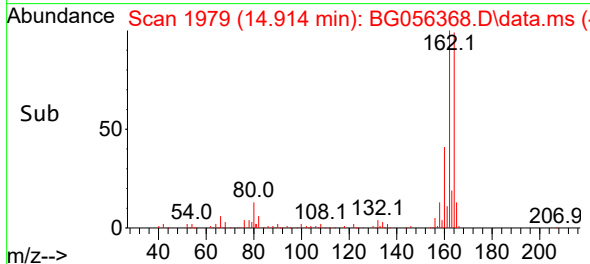
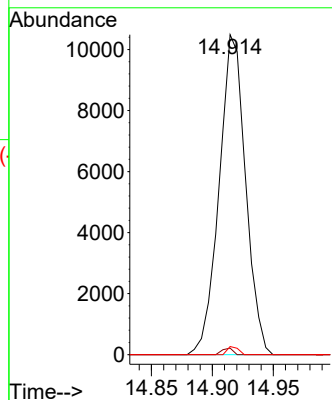
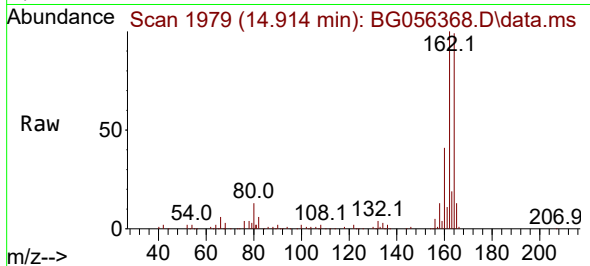




#51
2,6-Dinitrotoluene
Concen: 7.539 ng
RT: 14.914 min Scan# 1979
Delta R.T. 0.428 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

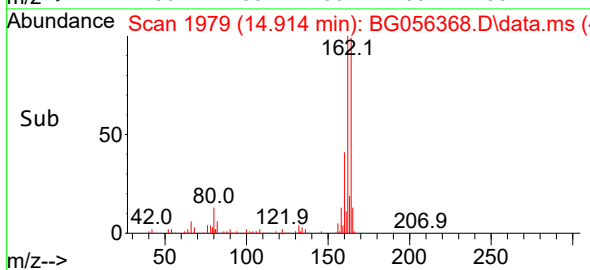
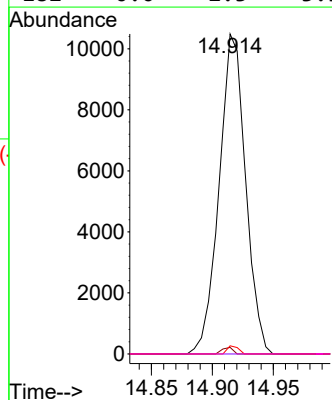
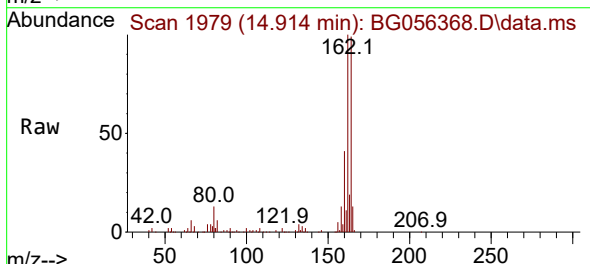
Instrument :
BNA_G
ClientSampleId :
MH-8

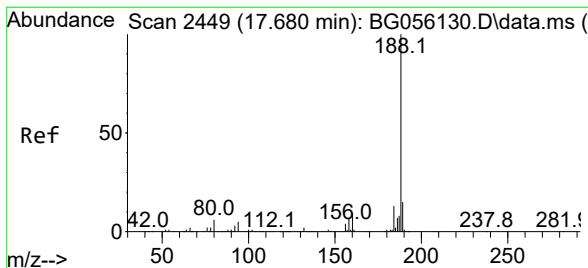
Tgt Ion:165 Resp: 15823
Ion Ratio Lower Upper
165 100
63 2.1 32.2 48.2#
89 2.5 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 5.391 ng
RT: 14.914 min Scan# 1979
Delta R.T. -0.360 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

Tgt Ion:165 Resp: 15823
Ion Ratio Lower Upper
165 100
63 2.1 22.6 34.0#
89 2.5 53.2 79.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.652 min Scan# 2445

Delta R.T. -0.007 min

Lab File: BG056368.D

Acq: 20 Jan 2023 15:20

Instrument :

BNA_G

ClientSampleId :

MH-8

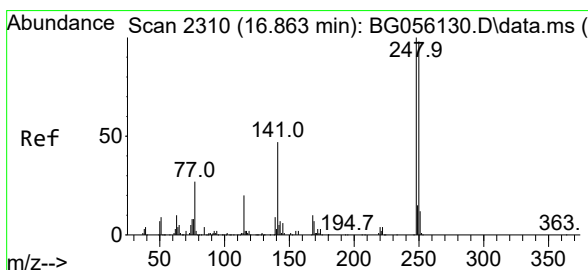
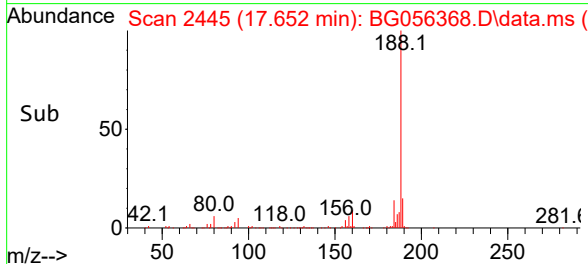
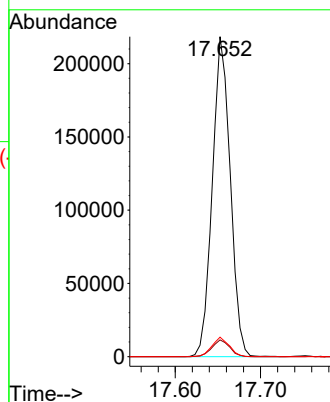
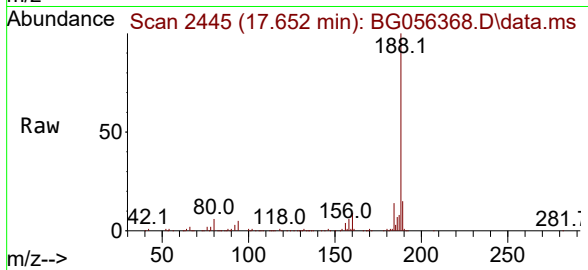
Tgt Ion:188 Resp: 318835

Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.2

80 6.1 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 4.660 ng

RT: 16.395 min Scan# 2231

Delta R.T. -0.442 min

Lab File: BG056368.D

Acq: 20 Jan 2023 15:20

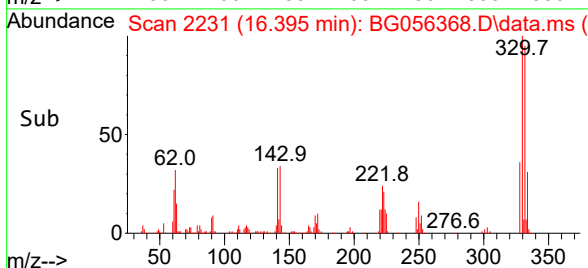
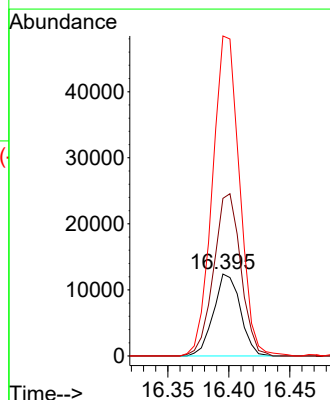
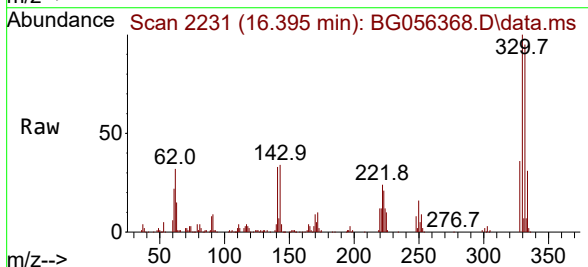
Tgt Ion:248 Resp: 18918

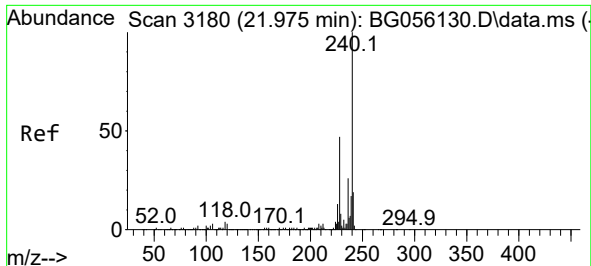
Ion Ratio Lower Upper

248 100

250 192.5 78.2 117.4#

141 390.9 37.6 56.4#

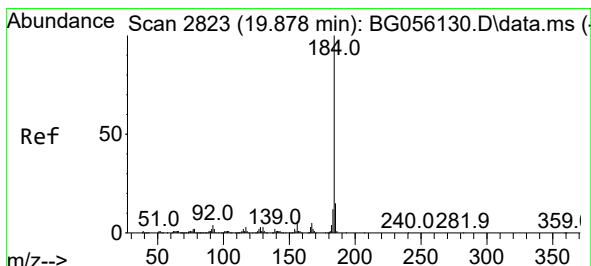
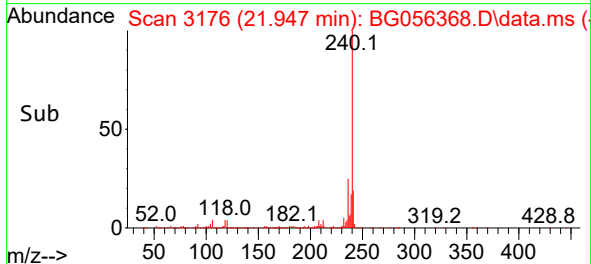
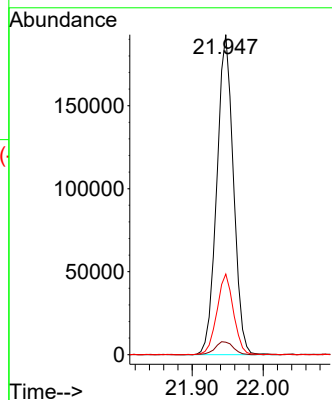
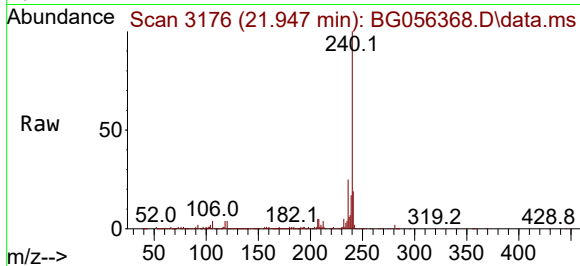




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.947 min Scan# 3180
Delta R.T. -0.007 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

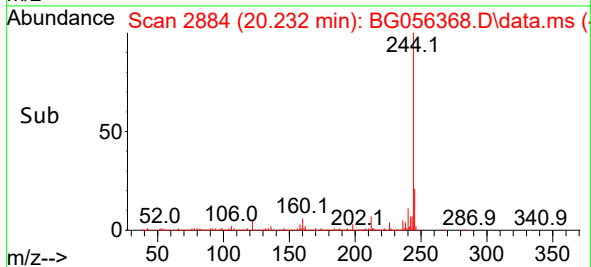
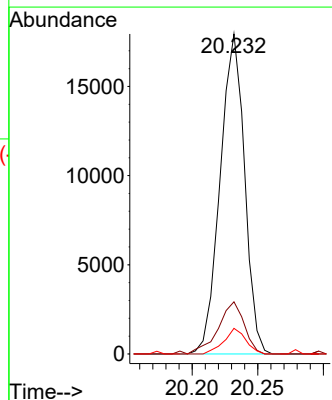
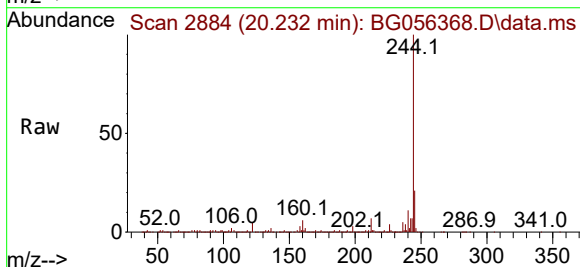
Instrument :
BNA_G
ClientSampleId :
MH-8

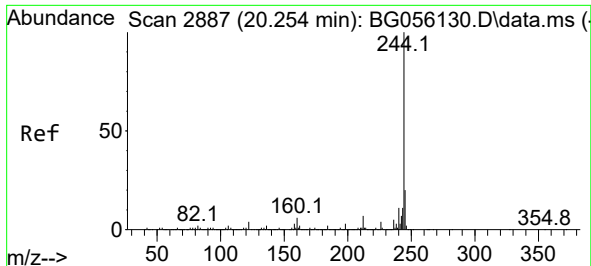
Tgt Ion:240 Resp: 311825
Ion Ratio Lower Upper
240 100
120 3.9 2.6 4.0
236 25.2 20.8 31.2



#77
Benzidine
Concen: 2.121 ng
RT: 20.232 min Scan# 2884
Delta R.T. 0.375 min
Lab File: BG056368.D
Acq: 20 Jan 2023 15:20

Tgt Ion:184 Resp: 23182
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.2
183 8.0 9.4 14.0#

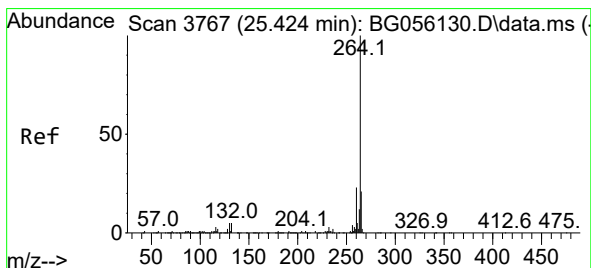
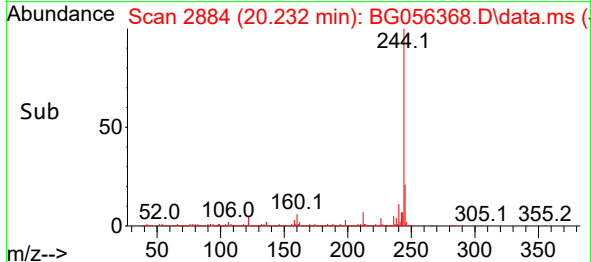
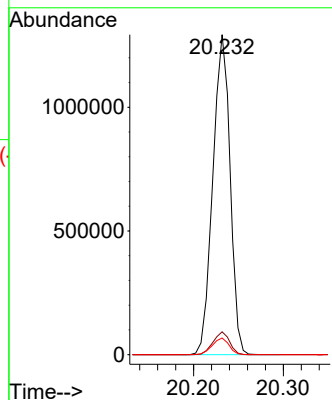
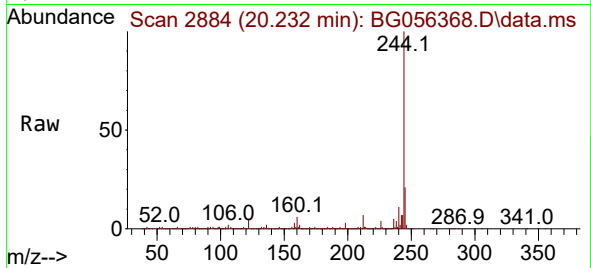




#79
 Terphenyl-d14
 Concen: 98.991 ng
 RT: 20.232 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056368.D
 Acq: 20 Jan 2023 15:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-8

Tgt Ion:244 Resp: 1723455
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.2 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.385 min Scan# 3761
 Delta R.T. -0.007 min
 Lab File: BG056368.D
 Acq: 20 Jan 2023 15:20

Tgt Ion:264 Resp: 333711
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 28.0
 265 22.3 16.7 25.1

