

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012623\
 Data File : BG056441.D
 Acq On : 26 Jan 2023 13:43
 Operator : CG/JU
 Sample : 01283-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-10

Quant Time: Jan 27 00:58:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

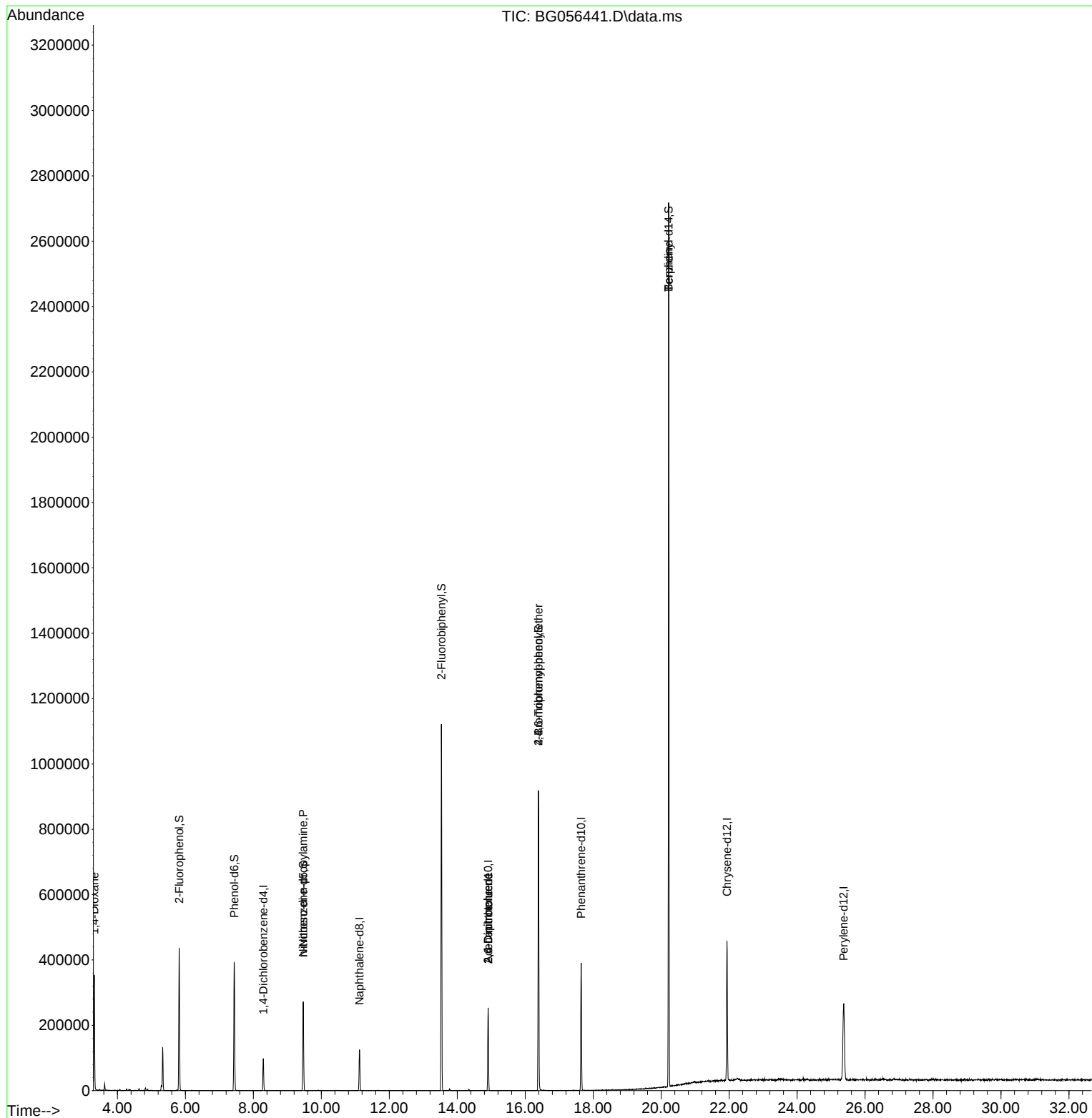
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.293	152	33460	20.000	ng	0.00
21) Naphthalene-d8	11.125	136	122478	20.000	ng	0.00
39) Acenaphthene-d10	14.909	164	97950	20.000	ng	0.00
64) Phenanthrene-d10	17.647	188	280027	20.000	ng	0.00
76) Chrysene-d12	21.936	240	286793	20.000	ng	# 0.00
86) Perylene-d12	25.368	264	304435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.820	112	253230	135.129	ng	0.00
7) Phenol-d6	7.436	99	314191	109.173	ng	0.00
23) Nitrobenzene-d5	9.469	82	189986	79.346	ng	0.00
42) 2,4,6-Tribromophenol	16.390	330	203992	164.441	ng	0.00
45) 2-Fluorobiphenyl	13.534	172	641380	90.422	ng	0.00
79) Terphenyl-d14	20.221	244	1517539	94.772	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.323	88	3583	4.186	ng	# 1
19) n-Nitroso-di-n-propyla...	9.469	70	23827	13.615	ng	# 74
51) 2,6-Dinitrotoluene	14.909	165	12801	7.598	ng	# 31
57) 2,4-Dinitrotoluene	14.909	165	12801	5.433	ng	# 28
67) 4-Bromophenyl-phenylether	16.390	248	15889	4.456	ng	# 1
77) Benzidine	20.221	184	20648	2.054	ng	# 84

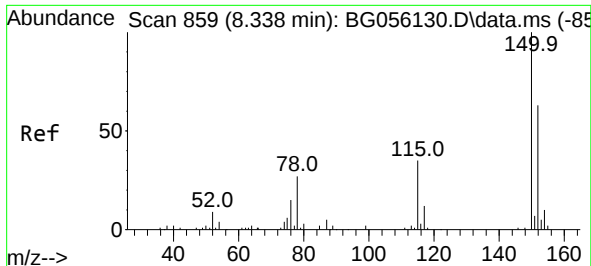
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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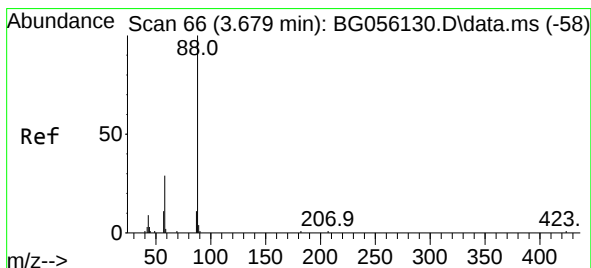
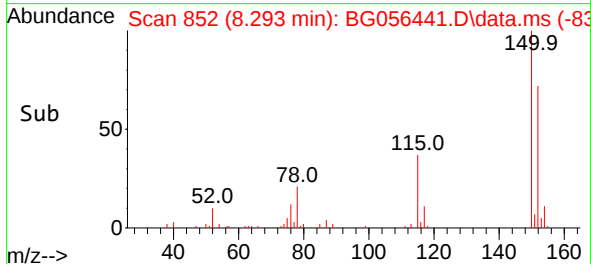
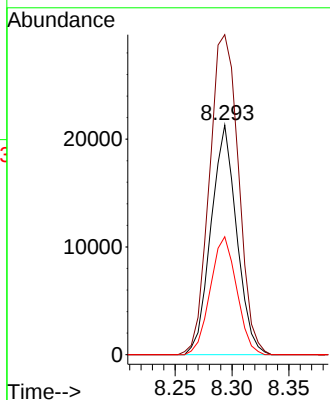
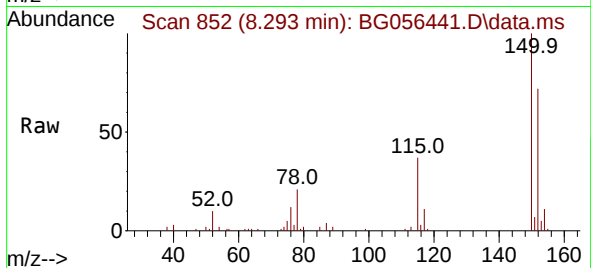




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.293 min Scan# 8
 Delta R.T. 0.001 min
 Lab File: BG056441.D
 Acq: 26 Jan 2023 13:43

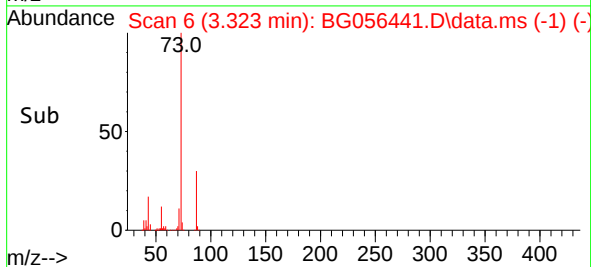
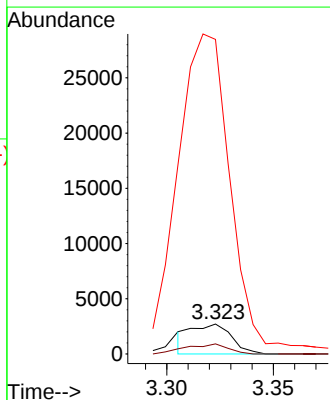
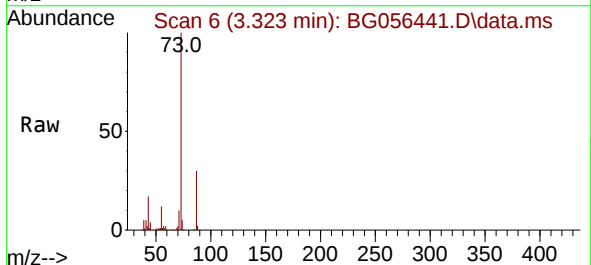
Instrument :
 BNA_G
 ClientSampleId :
 MH-10

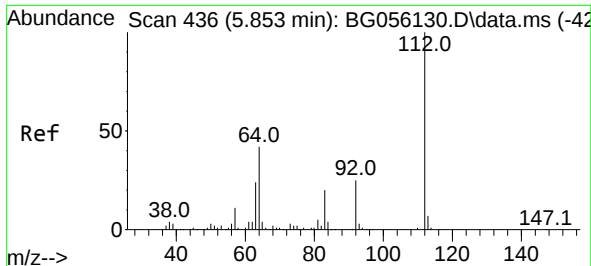
Tgt Ion:152 Resp: 33460
 Ion Ratio Lower Upper
 152 100
 150 139.3 127.9 191.9
 115 51.3 44.2 66.2



#2
 1,4-Dioxane
 Concen: 4.186 ng
 RT: 3.323 min Scan# 6
 Delta R.T. -0.293 min
 Lab File: BG056441.D
 Acq: 26 Jan 2023 13:43

Tgt Ion: 88 Resp: 3583
 Ion Ratio Lower Upper
 88 100
 58 29.0 21.4 32.0
 43 1107.9 7.1 10.7#

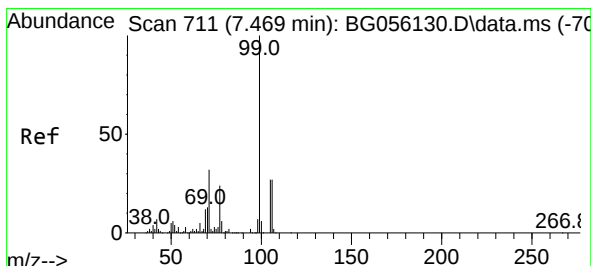
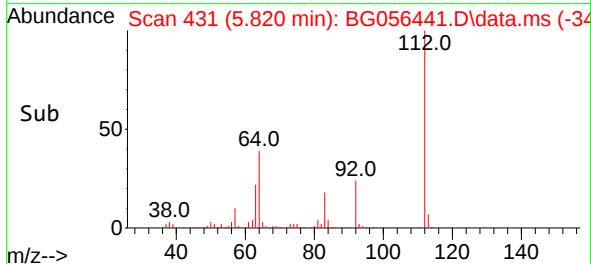
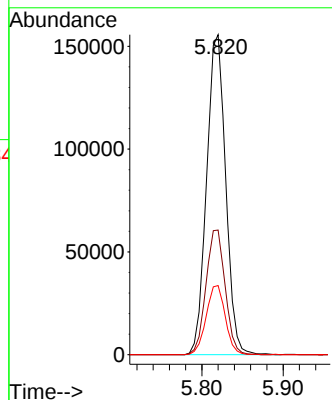
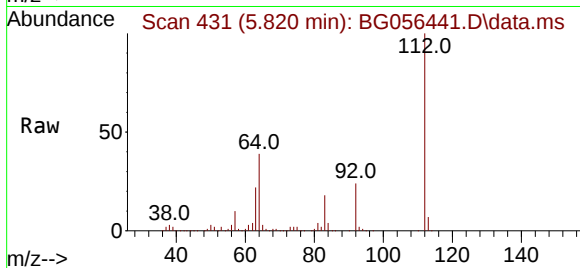




#5
2-Fluorophenol
Concen: 135.129 ng
RT: 5.820 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

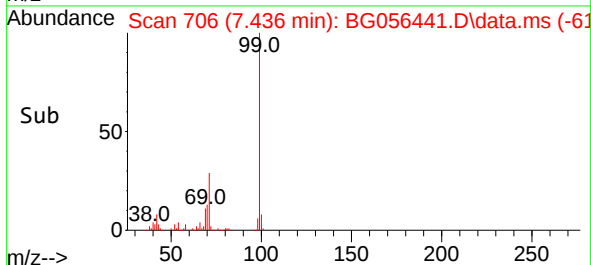
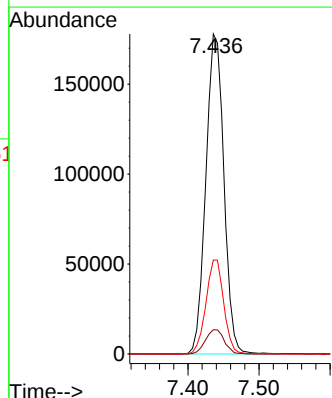
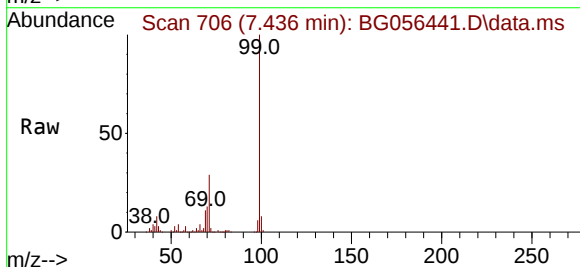
Instrument :
BNA_G
ClientSampleId :
MH-10

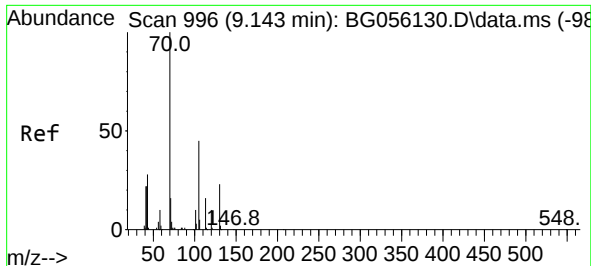
Tgt Ion:112 Resp: 253230
Ion Ratio Lower Upper
112 100
64 39.0 33.3 49.9
63 21.6 19.0 28.4



#7
Phenol-d6
Concen: 109.173 ng
RT: 7.436 min Scan# 706
Delta R.T. 0.000 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

Tgt Ion: 99 Resp: 314191
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 29.4 25.4 38.2

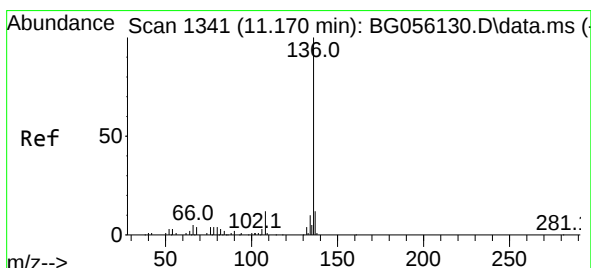
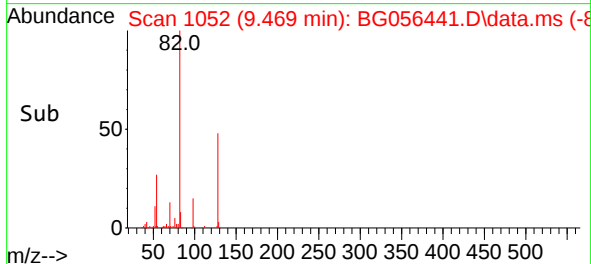
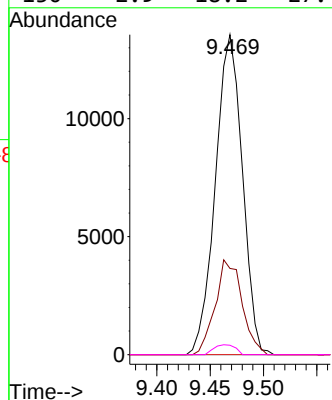
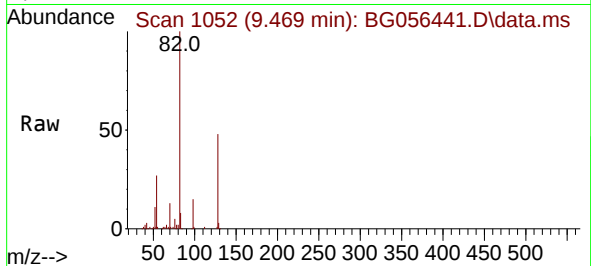




#19
n-Nitroso-di-n-propylamine
Concen: 13.615 ng
RT: 9.469 min Scan# 1052
Delta R.T. 0.370 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

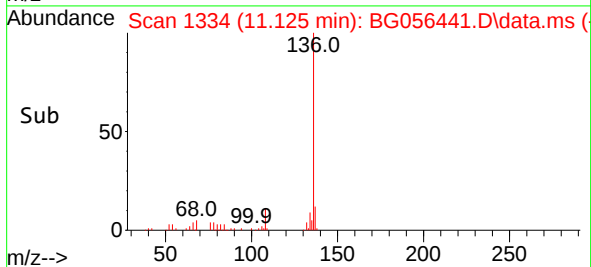
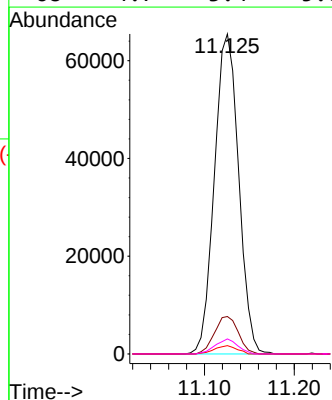
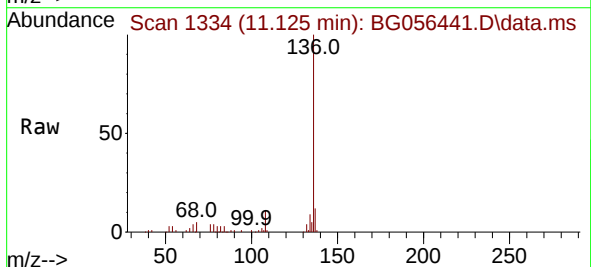
Instrument :
BNA_G
ClientSampleId :
MH-10

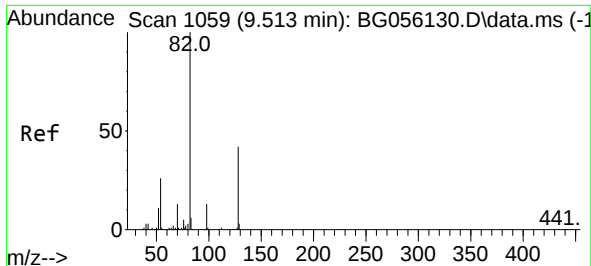
Tgt Ion: 70	Resp: 23827
Ion Ratio	Lower Upper
70 100	
42 26.9	18.2 27.2
101 0.0	8.3 12.5#
130 2.9	18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.125 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

Tgt Ion: 136	Resp: 122478
Ion Ratio	Lower Upper
136 100	
137 11.7	9.4 14.0
54 2.6	2.2 3.2
68 4.7	3.4 5.0

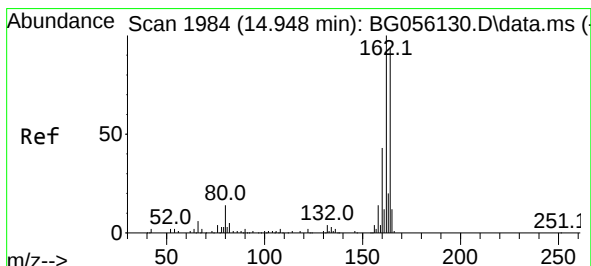
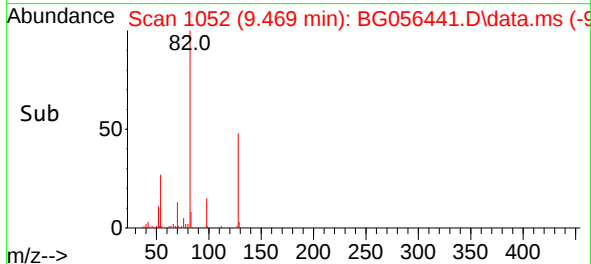
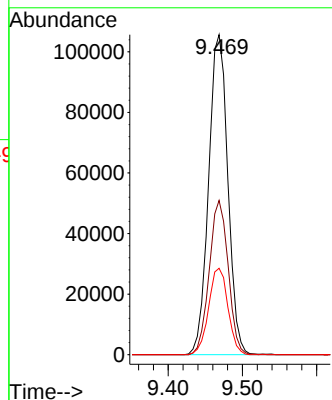
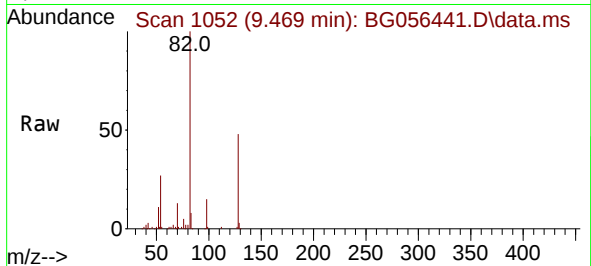




#23
Nitrobenzene-d5
Concen: 79.346 ng
RT: 9.469 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

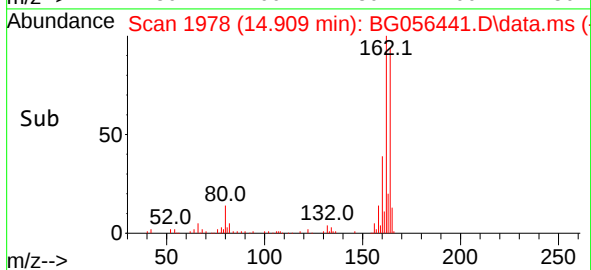
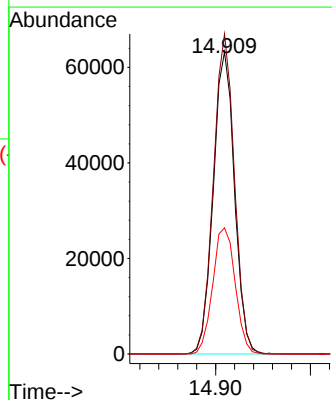
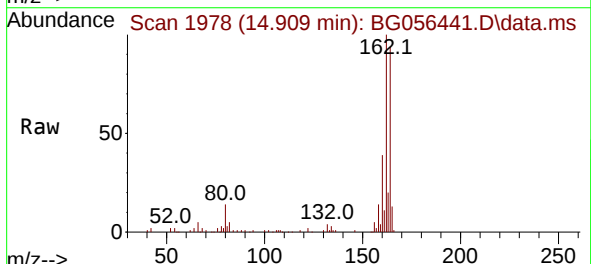
Instrument :
BNA_G
ClientSampleId :
MH-10

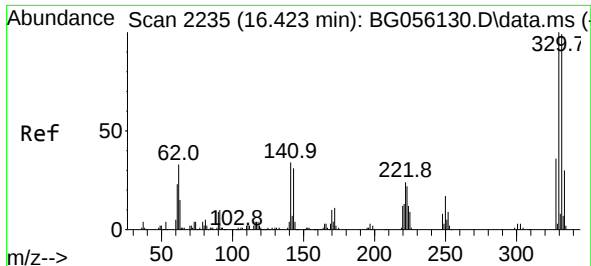
Tgt Ion: 82 Resp: 189986
Ion Ratio Lower Upper
82 100
128 48.2 33.4 50.2
54 27.0 20.3 30.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.909 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

Tgt Ion:164 Resp: 97950
Ion Ratio Lower Upper
164 100
162 105.9 84.7 127.1
160 41.7 36.3 54.5

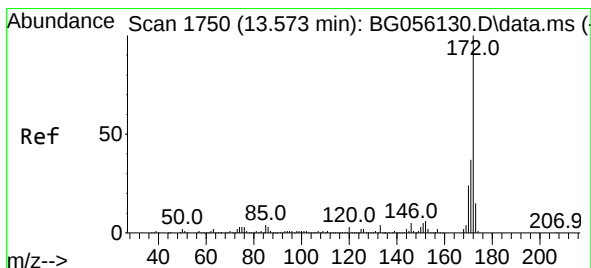
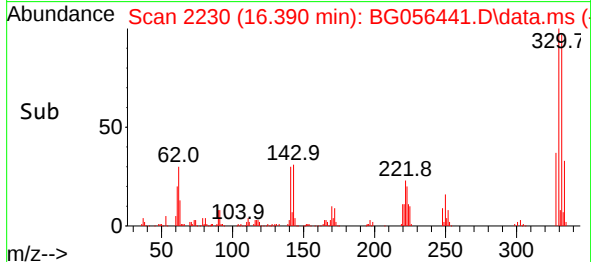
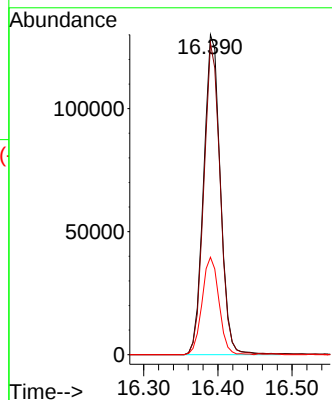
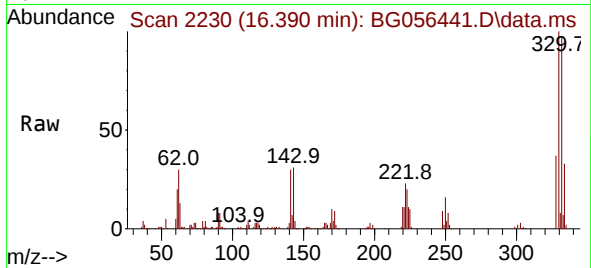




#42
2,4,6-Tribromophenol
Concen: 164.441 ng
RT: 16.390 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

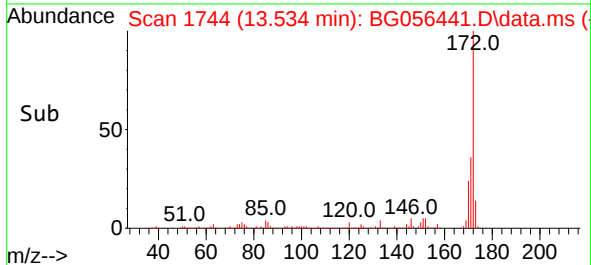
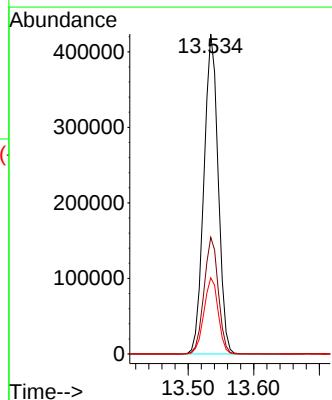
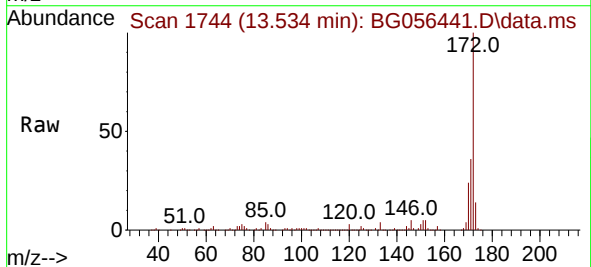
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MH-10

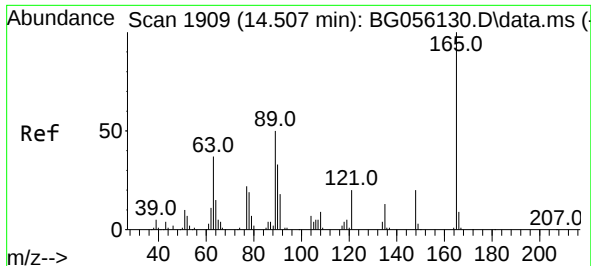
Tgt Ion:330 Resp: 203992
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 30.6 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 90.422 ng
RT: 13.534 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

Tgt Ion:172 Resp: 641380
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.8 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 7.598 ng

RT: 14.909 min Scan# 1909

Delta R.T. 0.429 min

Lab File: BG056441.D

Acq: 26 Jan 2023 13:43

Instrument :

BNA_G

ClientSampleId :

MH-10

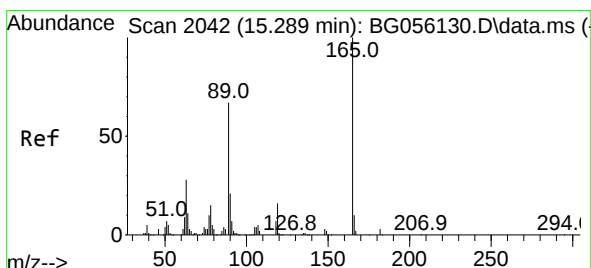
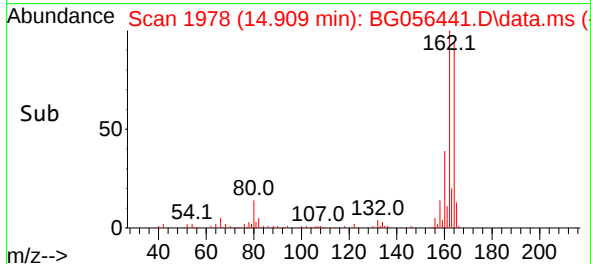
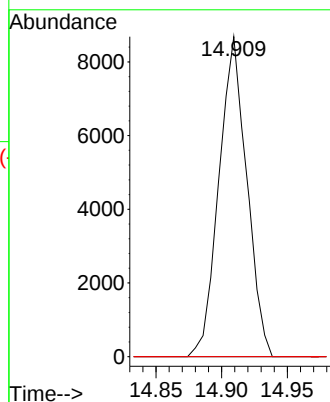
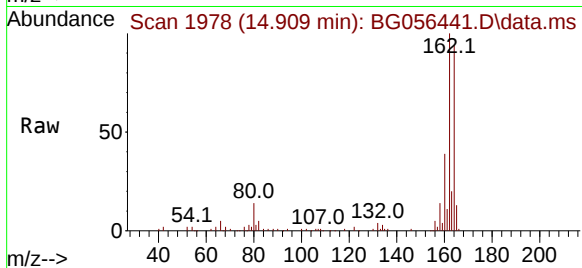
Tgt Ion:165 Resp: 12801

Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 0.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 5.433 ng

RT: 14.909 min Scan# 1978

Delta R.T. -0.358 min

Lab File: BG056441.D

Acq: 26 Jan 2023 13:43

Tgt Ion:165 Resp: 12801

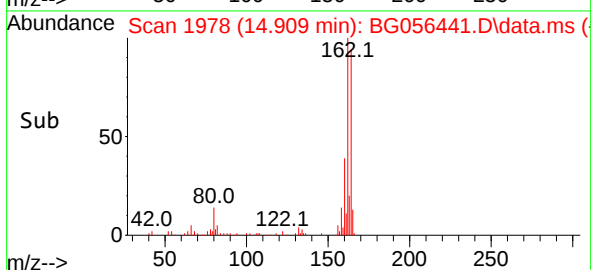
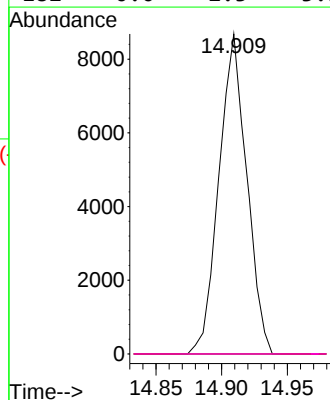
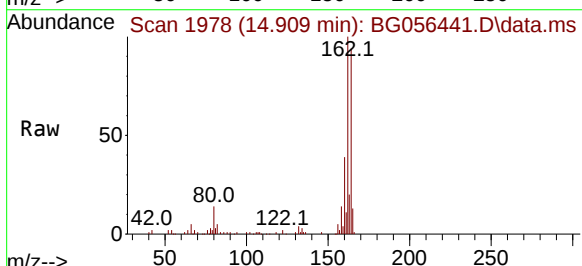
Ion Ratio Lower Upper

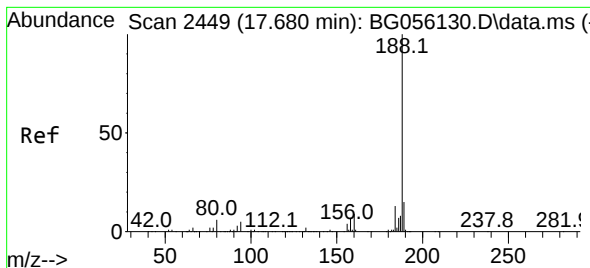
165 100

63 0.0 22.6 34.0#

89 0.0 53.2 79.8#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.647 min Scan# 2449

Delta R.T. -0.006 min

Lab File: BG056441.D

Acq: 26 Jan 2023 13:43

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ClientSampleId :

MH-10

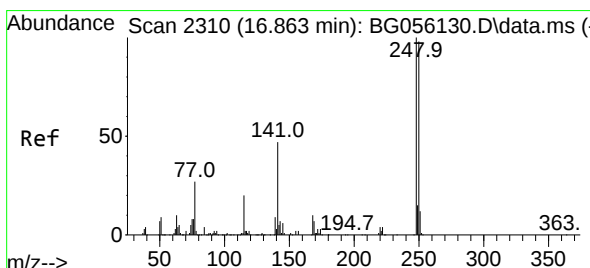
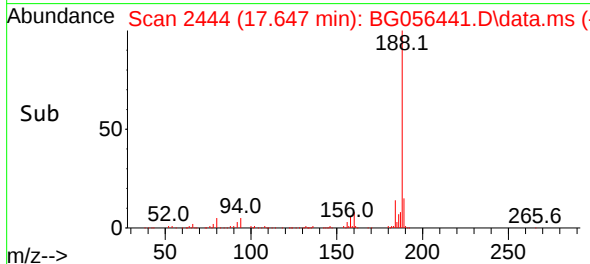
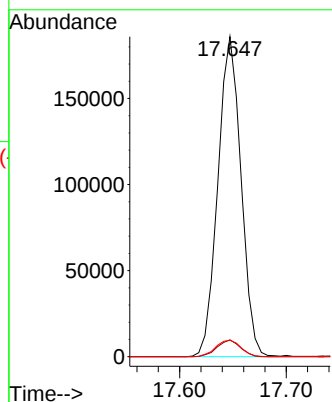
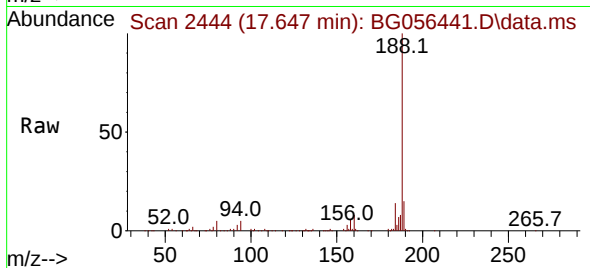
Tgt Ion:188 Resp: 280027

Ion Ratio Lower Upper

188 100

94 5.2 4.2 6.2

80 5.2 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 4.456 ng

RT: 16.390 min Scan# 2230

Delta R.T. -0.440 min

Lab File: BG056441.D

Acq: 26 Jan 2023 13:43

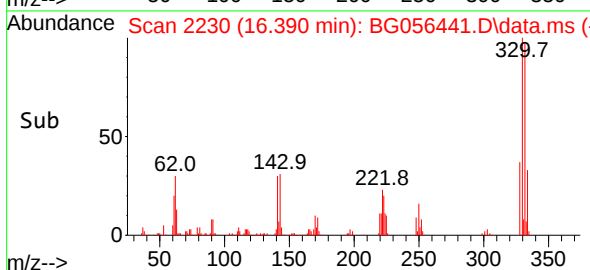
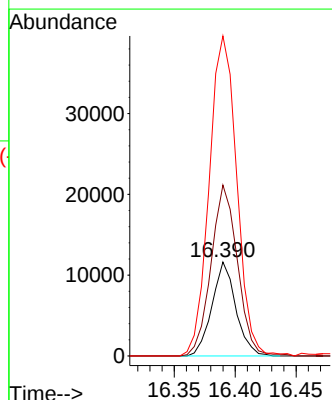
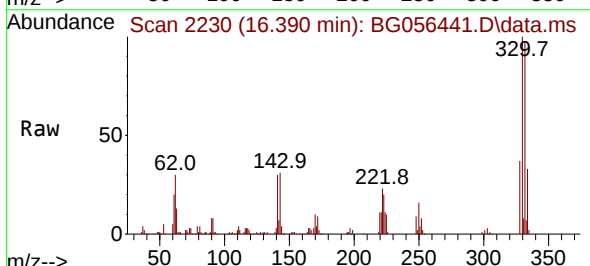
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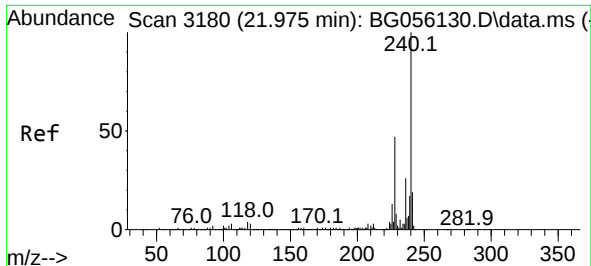
Ion Ratio Lower Upper

248 100

250 230.8 78.2 117.4#

141 340.6 37.6 56.4#

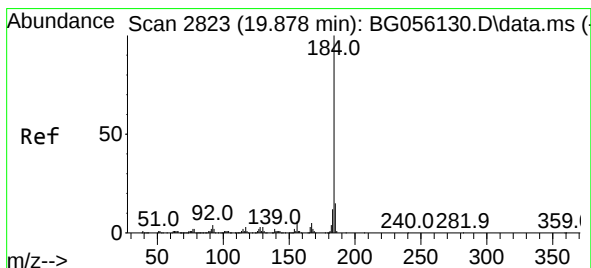
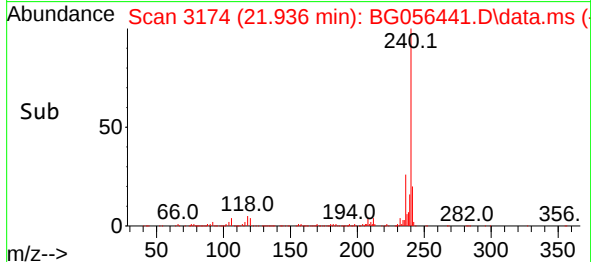
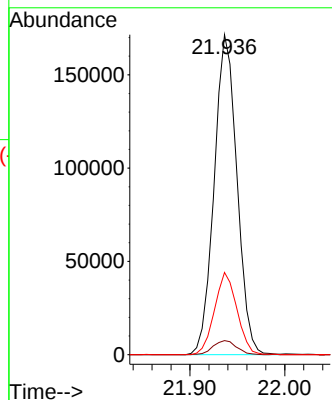
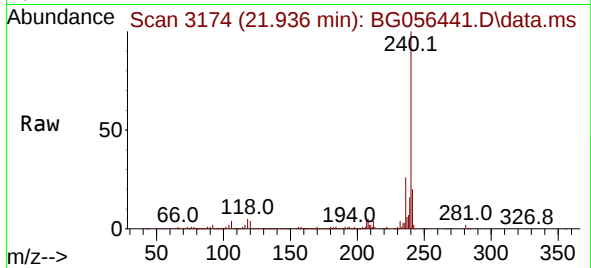




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

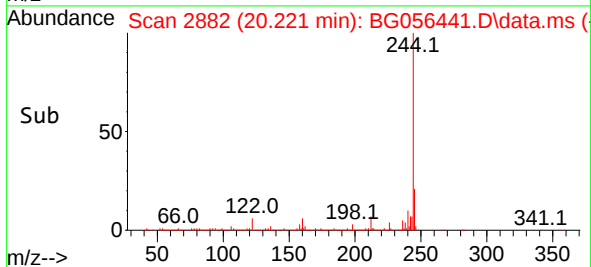
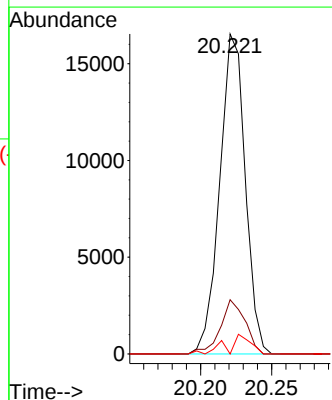
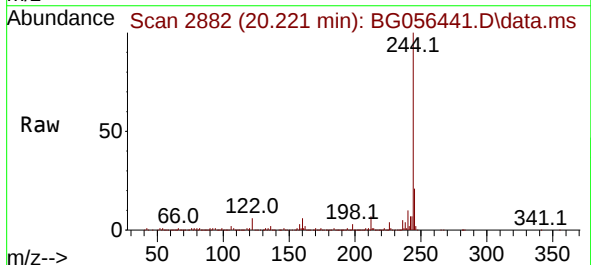
Instrument :
BNA_G
ClientSampleId :
MH-10

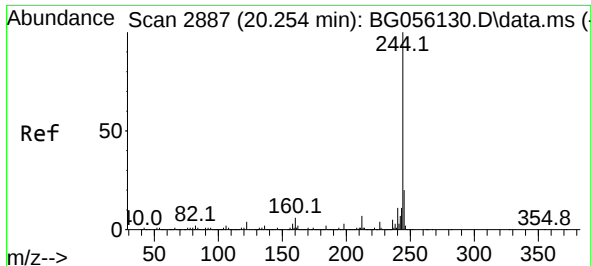
Tgt Ion:240 Resp: 286793
Ion Ratio Lower Upper
240 100
120 4.4 2.6 4.0#
236 25.7 20.8 31.2



#77
Benzidine
Concen: 2.054 ng
RT: 20.221 min Scan# 2882
Delta R.T. 0.370 min
Lab File: BG056441.D
Acq: 26 Jan 2023 13:43

Tgt Ion:184 Resp: 20648
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.2
183 0.0 9.4 14.0#

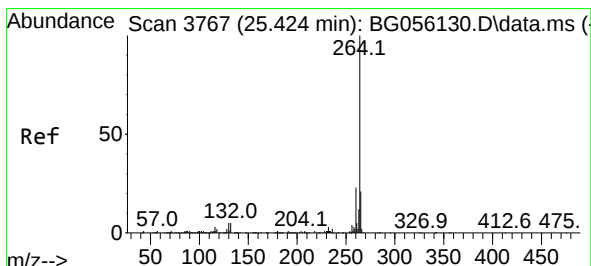
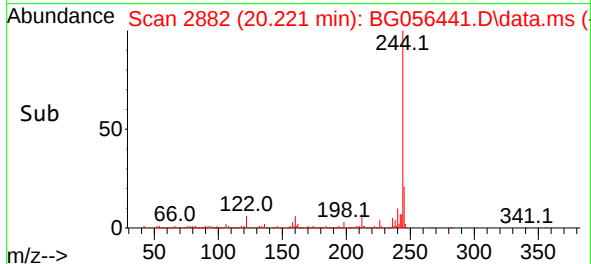
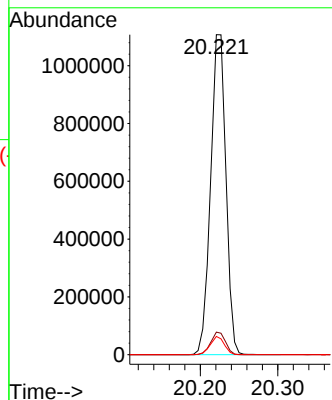
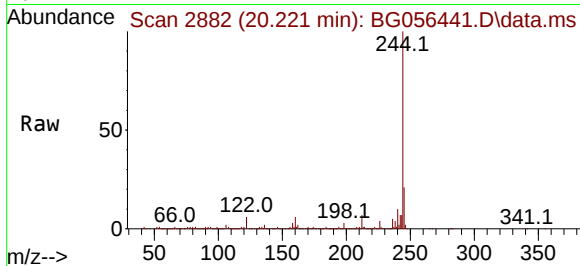




#79
 Terphenyl-d14
 Concen: 94.772 ng
 RT: 20.221 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056441.D
 Acq: 26 Jan 2023 13:43

Instrument :
 BNA_G
 ClientSampleId :
 MH-10

Tgt Ion:244 Resp: 1517539
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 5.7 3.5 5.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.368 min Scan# 3758
 Delta R.T. -0.006 min
 Lab File: BG056441.D
 Acq: 26 Jan 2023 13:43

Tgt Ion:264 Resp: 304435
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 28.0
 265 22.3 16.7 25.1

