

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081122\
 Data File : BG054601.D
 Acq On : 11 Aug 2022 12:23
 Operator : CG/JU
 Sample : N3971-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-8R

Quant Time: Aug 12 06:01:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

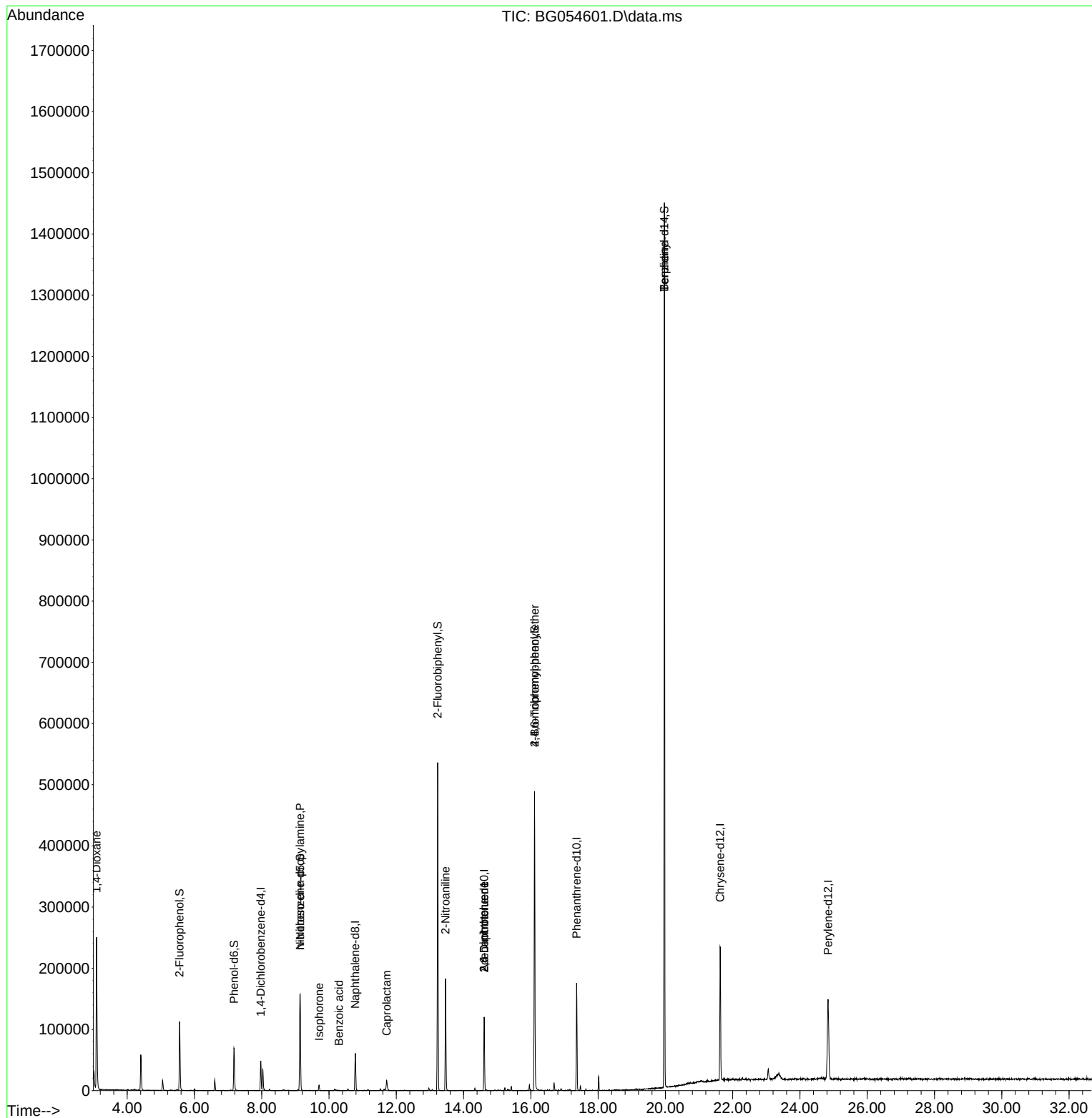
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	15243	20.000	ng	0.00
21) Naphthalene-d8	10.779	136	56883	20.000	ng	# 0.00
39) Acenaphthene-d10	14.610	164	45530	20.000	ng	0.00
64) Phenanthrene-d10	17.360	188	125715	20.000	ng	# 0.00
76) Chrysene-d12	21.625	240	159571	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	165066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.556	112	52320	71.664	ng	0.00
7) Phenol-d6	7.172	99	41531	41.515	ng	0.00
23) Nitrobenzene-d5	9.134	82	100912	96.608	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	129717	135.693	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	302729	93.797	ng	0.00
79) Terphenyl-d14	19.968	244	800430	99.510	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.088	88	2534	8.724	ng	# 1
19) n-Nitroso-di-n-propyla...	9.134	70	14666	21.954	ng	# 85
25) Isophorone	9.704	82	7257	3.995	ng	# 95
32) Benzoic acid	10.297	122	63	7.856	ng	# 1
35) Caprolactam	11.713	113	3303	12.226	ng	# 76
48) 2-Nitroaniline	13.464	65	5863	8.618	ng	# 22
51) 2,6-Dinitrotoluene	14.610	165	6335	8.121	ng	# 16
57) 2,4-Dinitrotoluene	14.610	165	6335	5.665	ng	# 21
67) 4-Bromophenyl-phenylether	16.108	248	7819	4.429	ng	# 1
77) Benzidine	19.968	184	10314	3.569	ng	# 91

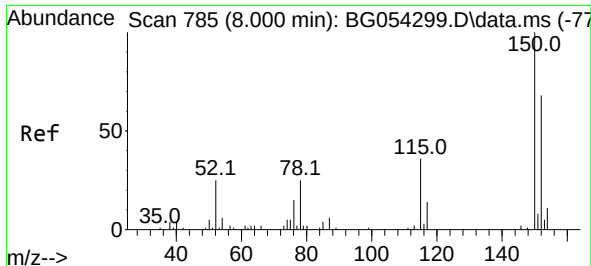
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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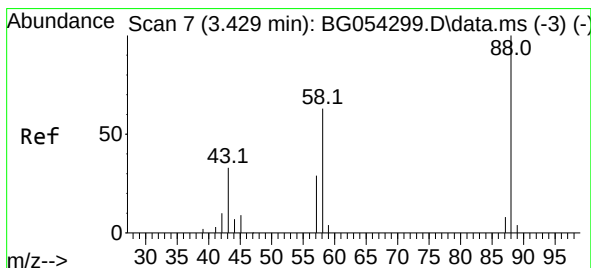
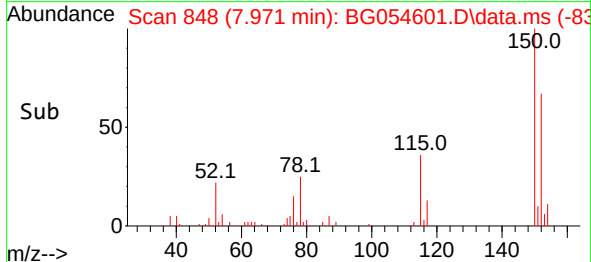
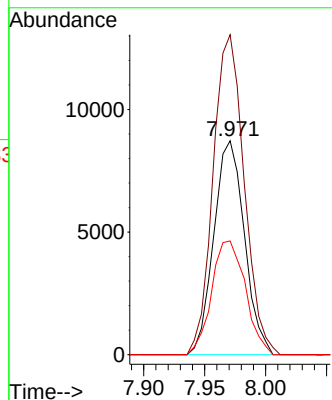
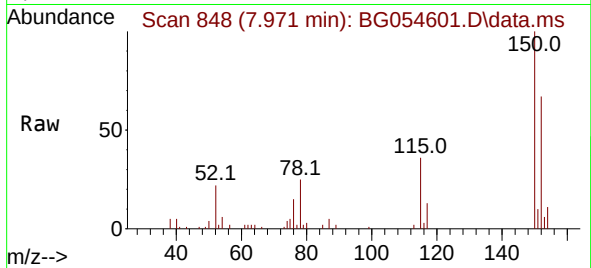




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.971 min Scan# 84
 Delta R.T. -0.001 min
 Lab File: BG054601.D
 Acq: 11 Aug 2022 12:23

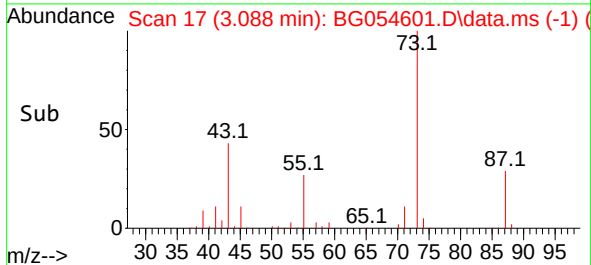
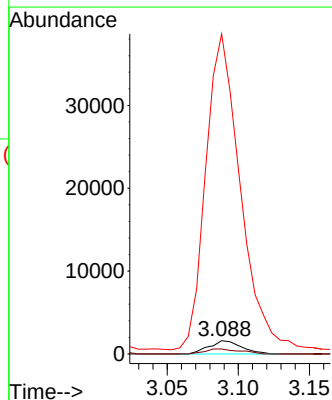
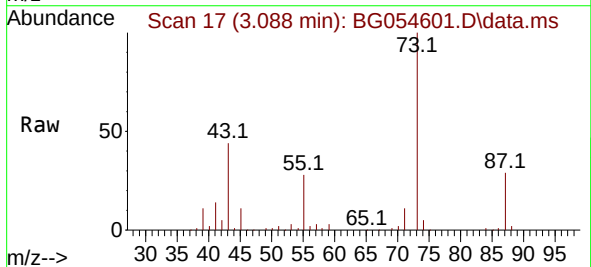
Instrument :
 BNA_G
 ClientSampleId :
 MW-8R

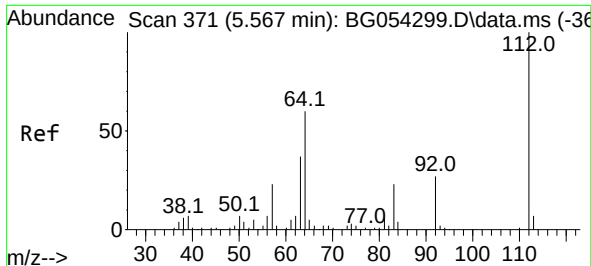
Tgt Ion:152 Resp: 15243
 Ion Ratio Lower Upper
 152 100
 150 149.6 131.6 197.4
 115 53.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 8.724 ng
 RT: 3.088 min Scan# 17
 Delta R.T. -0.307 min
 Lab File: BG054601.D
 Acq: 11 Aug 2022 12:23

Tgt Ion: 88 Resp: 2534
 Ion Ratio Lower Upper
 88 100
 58 40.8 59.2 88.8#
 43 2598.7 24.3 36.5#

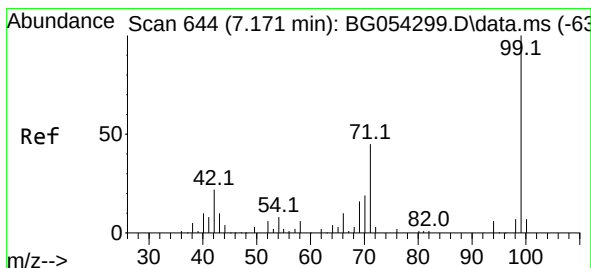
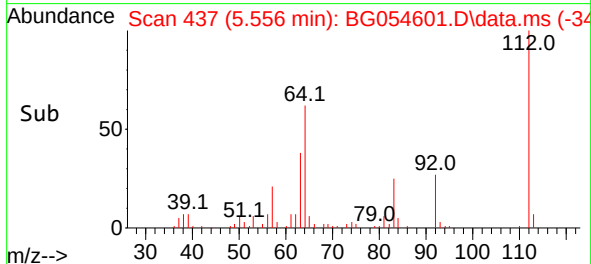
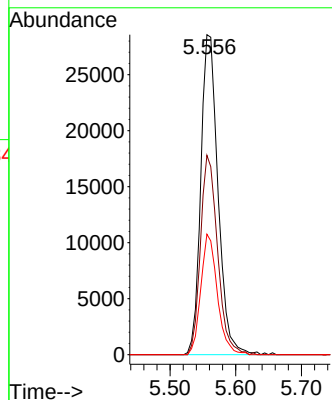
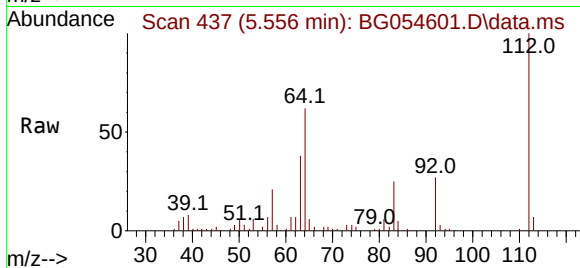




#5
2-Fluorophenol
Concen: 71.664 ng
RT: 5.556 min Scan# 41
Delta R.T. -0.007 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

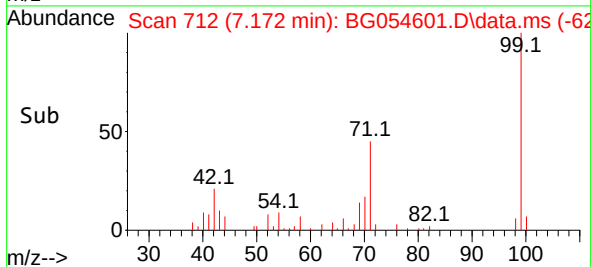
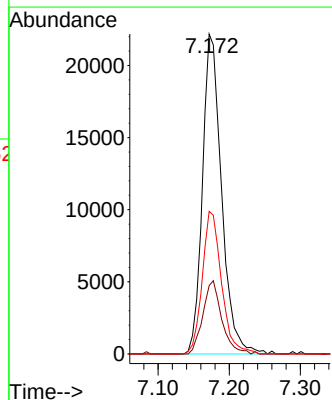
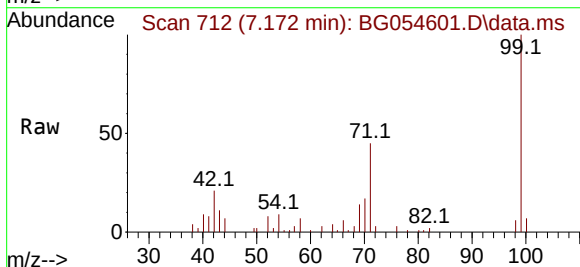
Instrument :
BNA_G
ClientSampleId :
MW-8R

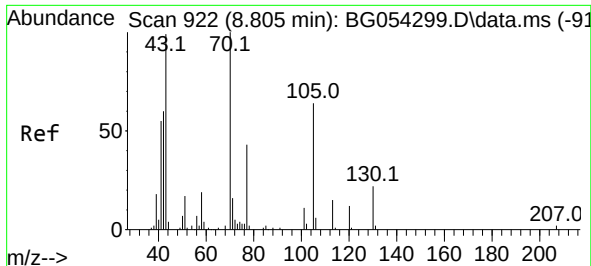
Tgt Ion:112 Resp: 52320
Ion Ratio Lower Upper
112 100
64 62.3 55.1 82.7
63 37.7 30.4 45.6



#7
Phenol-d6
Concen: 41.515 ng
RT: 7.172 min Scan# 712
Delta R.T. -0.007 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

Tgt Ion: 99 Resp: 41531
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.5 33.8 50.8





#19

n-Nitroso-di-n-propylamine

Concen: 21.954 ng

RT: 9.134 min Scan# 1046

Delta R.T. 0.351 min

Lab File: BG054601.D

Acq: 11 Aug 2022 12:23

Instrument :

BNA_G

ClientSampleId :

MW-8R

Tgt Ion: 70 Resp: 14666

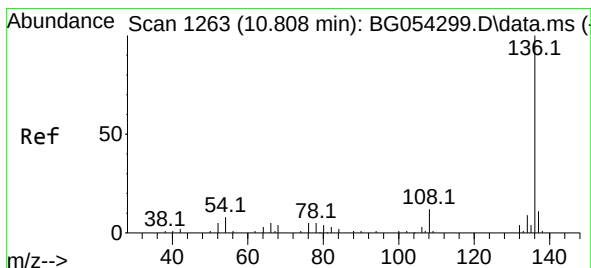
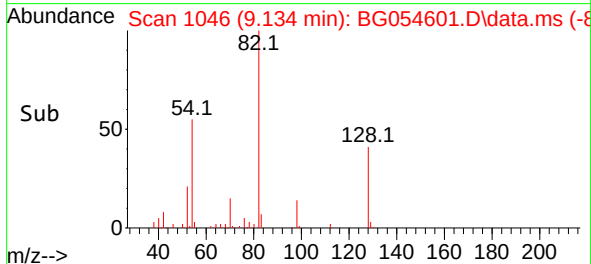
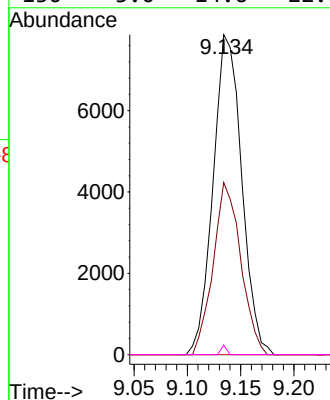
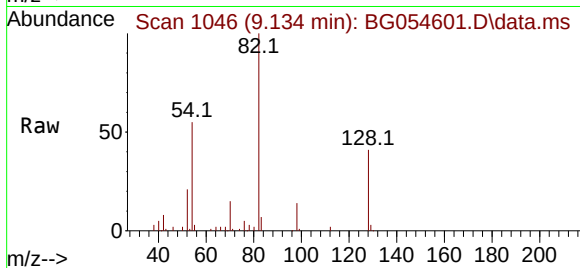
Ion Ratio Lower Upper

70 100

42 53.8 47.3 70.9

101 0.0 7.0 10.4#

130 3.0 14.6 22.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.779 min Scan# 1326

Delta R.T. -0.007 min

Lab File: BG054601.D

Acq: 11 Aug 2022 12:23

Tgt Ion: 136 Resp: 56883

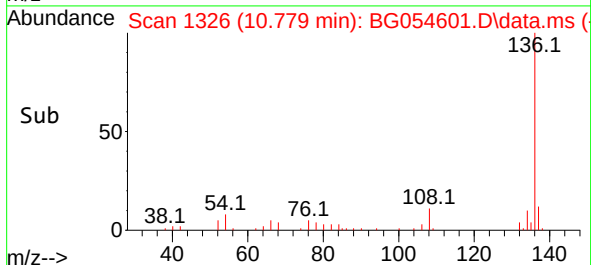
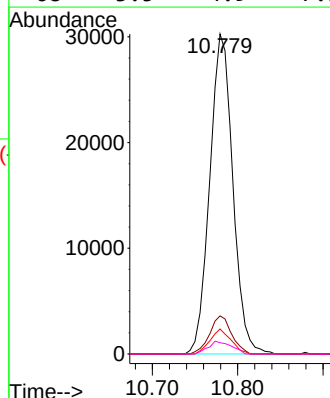
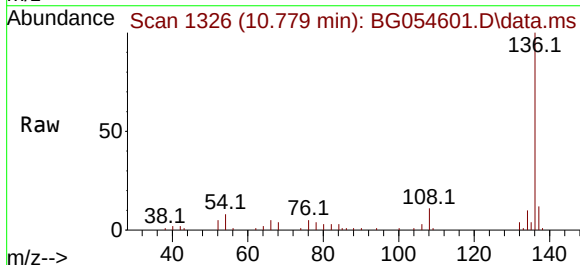
Ion Ratio Lower Upper

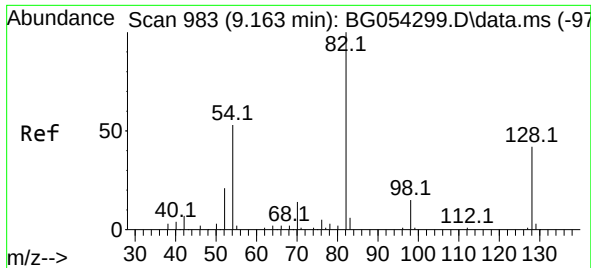
136 100

137 11.9 8.5 12.7

54 7.8 7.4 11.2

68 3.5 4.9 7.3#

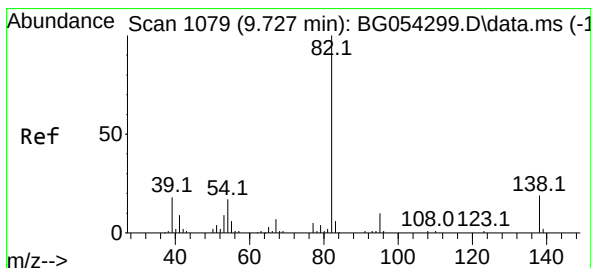
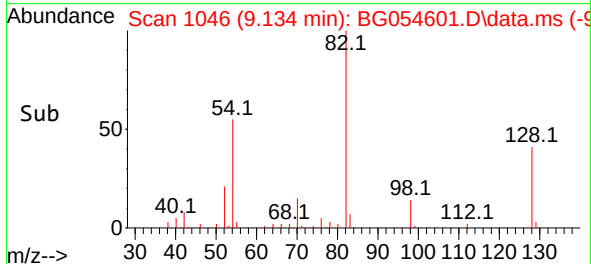
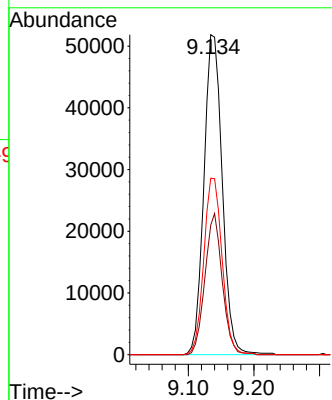
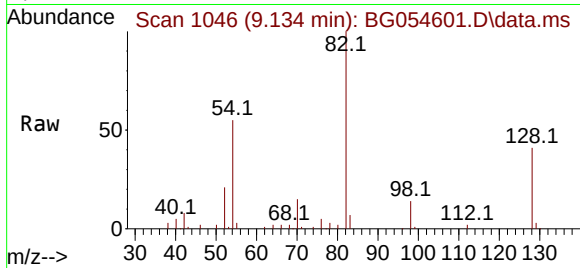




#23
Nitrobenzene-d5
Concen: 96.608 ng
RT: 9.134 min Scan# 1046
Delta R.T. -0.007 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

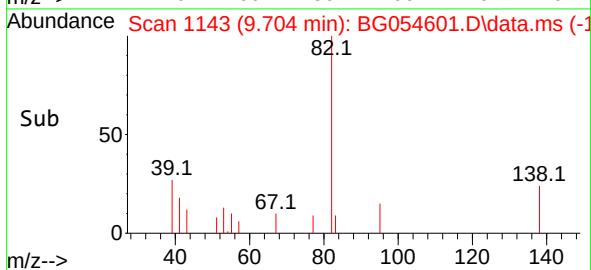
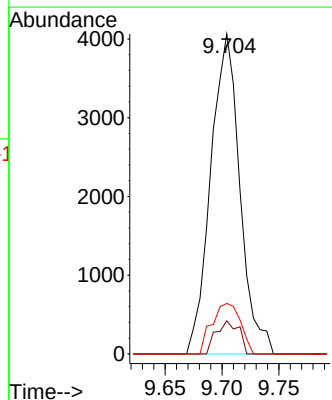
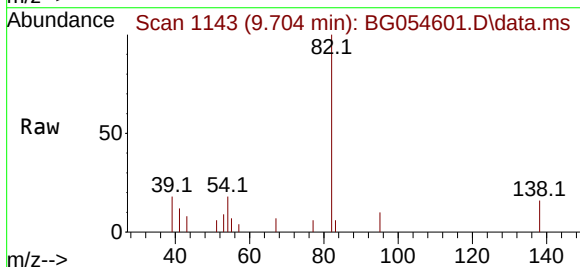
Instrument :
BNA_G
ClientSampleId :
MW-8R

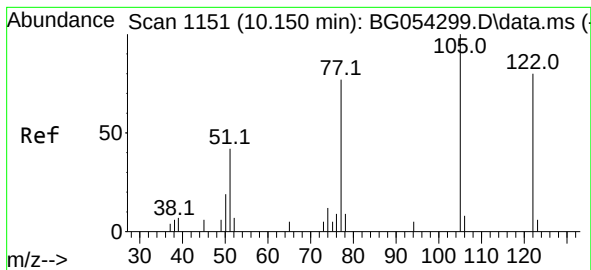
Tgt Ion: 82 Resp: 100912
Ion Ratio Lower Upper
82 100
128 40.5 27.9 41.9
54 55.2 41.2 61.8



#25
Isophorone
Concen: 3.995 ng
RT: 9.704 min Scan# 1143
Delta R.T. -0.002 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

Tgt Ion: 82 Resp: 7257
Ion Ratio Lower Upper
82 100
95 10.3 6.2 9.4#
138 15.8 11.6 17.4





#32

Benzoic acid

Concen: 7.856 ng

RT: 10.297 min Scan# 11

Delta R.T. 0.151 min

Lab File: BG054601.D

Acq: 11 Aug 2022 12:23

Instrument :

BNA_G

ClientSampleId :

MW-8R

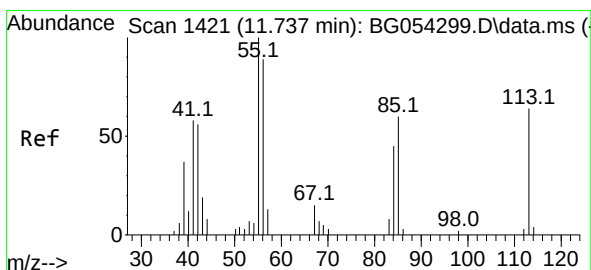
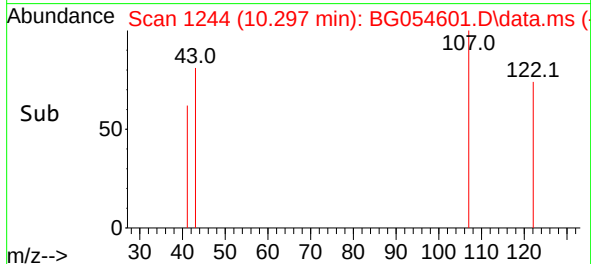
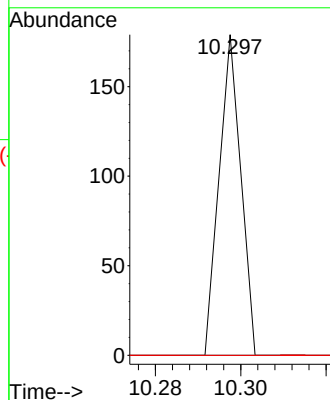
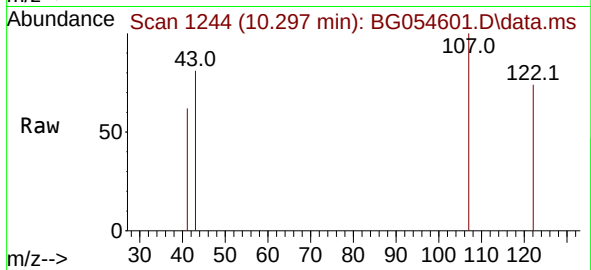
Tgt Ion:122 Resp: 63

Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#



#35

Caprolactam

Concen: 12.226 ng

RT: 11.713 min Scan# 1485

Delta R.T. -0.013 min

Lab File: BG054601.D

Acq: 11 Aug 2022 12:23

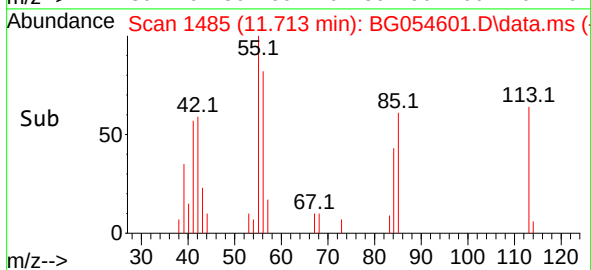
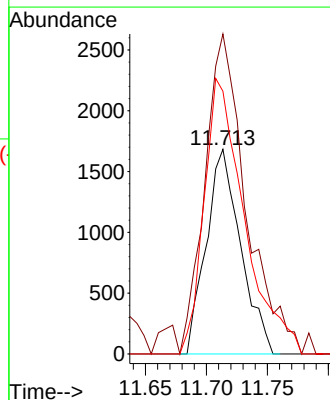
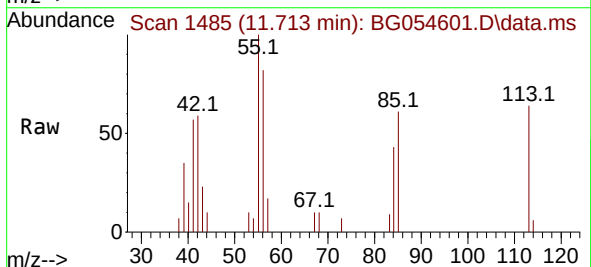
Tgt Ion:113 Resp: 3303

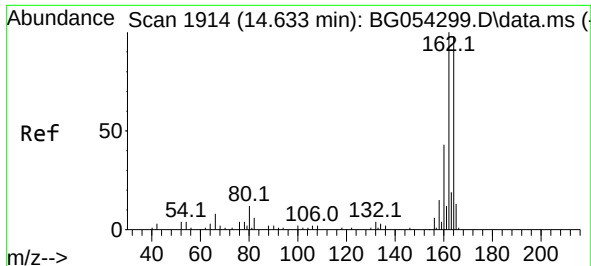
Ion Ratio Lower Upper

113 100

55 156.4 169.8 209.8#

56 128.4 141.2 181.2#

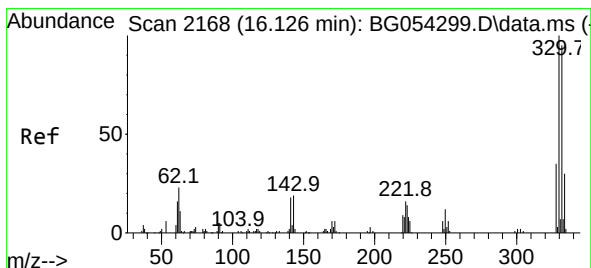
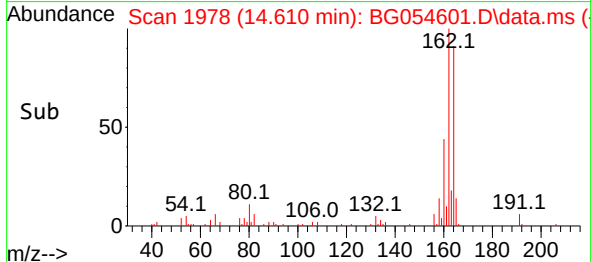
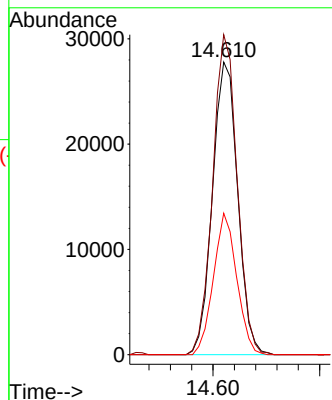
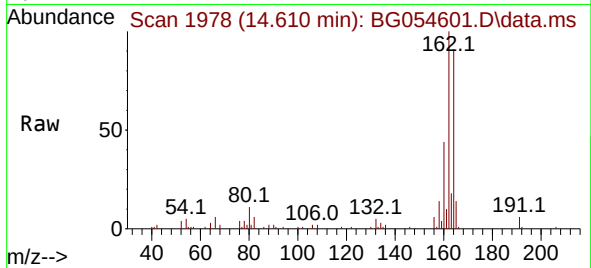




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

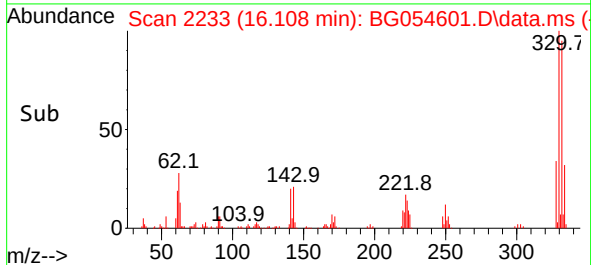
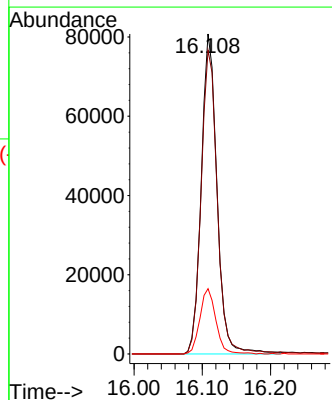
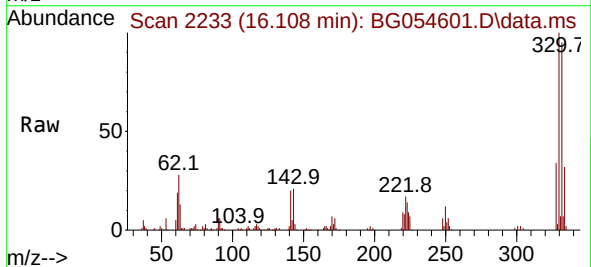
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MW-8R

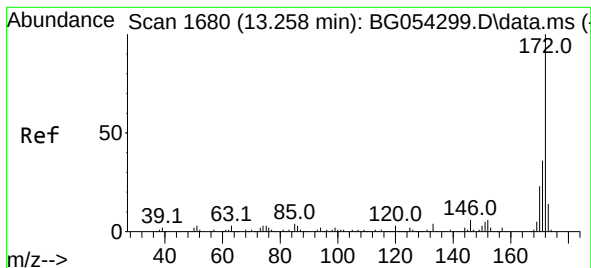
Tgt Ion:164 Resp: 45530
Ion Ratio Lower Upper
164 100
162 109.3 82.3 123.5
160 48.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 135.693 ng
RT: 16.108 min Scan# 2233
Delta R.T. -0.007 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

Tgt Ion:330 Resp: 129717
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 20.7 27.1 40.7#

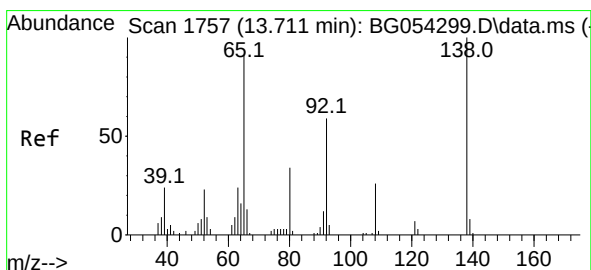
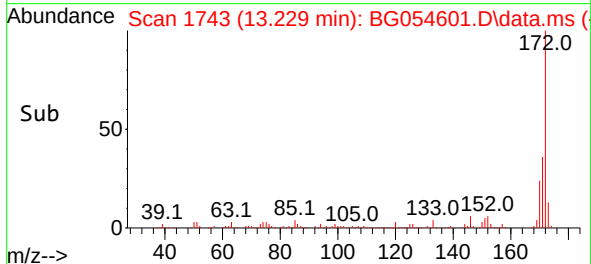
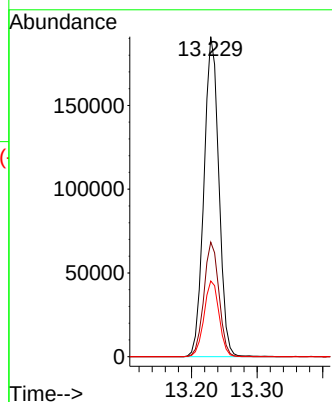
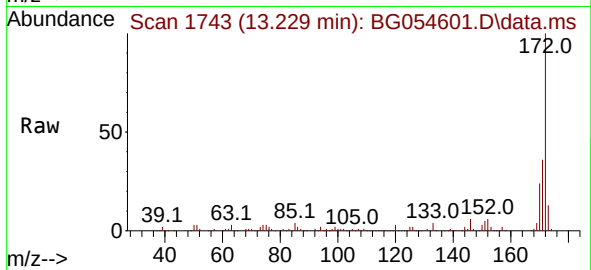




#45
2-Fluorobiphenyl
Concen: 93.797 ng
RT: 13.229 min Scan# 1743
Delta R.T. -0.007 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

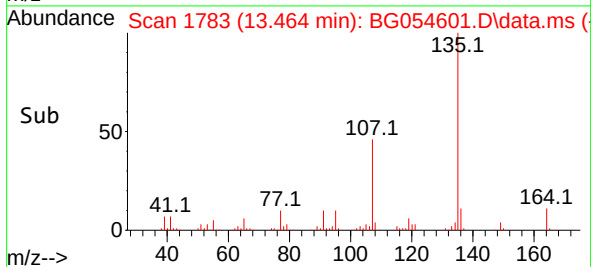
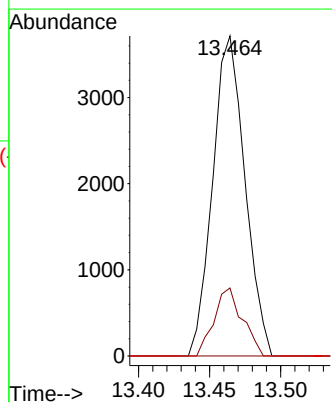
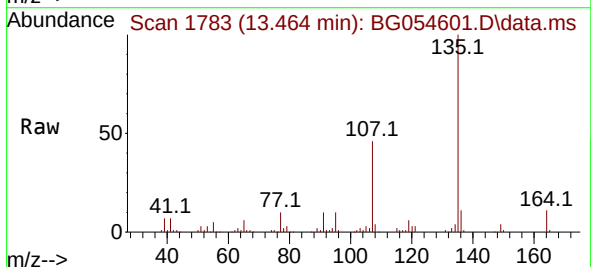
Instrument :
BNA_G
ClientSampleId :
MW-8R

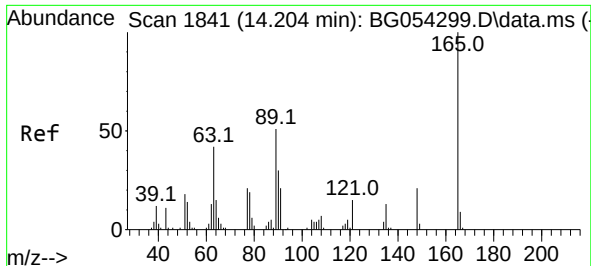
Tgt Ion:172 Resp: 302729
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.7 18.9 28.3



#48
2-Nitroaniline
Concen: 8.618 ng
RT: 13.464 min Scan# 1783
Delta R.T. -0.237 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

Tgt Ion: 65 Resp: 5863
Ion Ratio Lower Upper
65 100
92 21.2 51.5 77.3#
138 0.0 71.3 106.9#

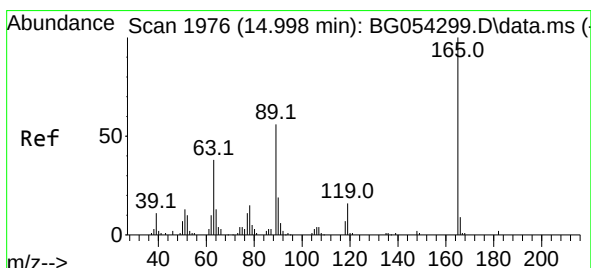
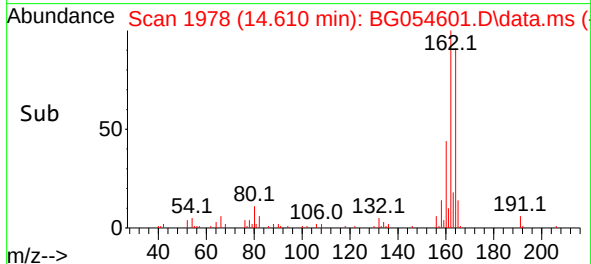
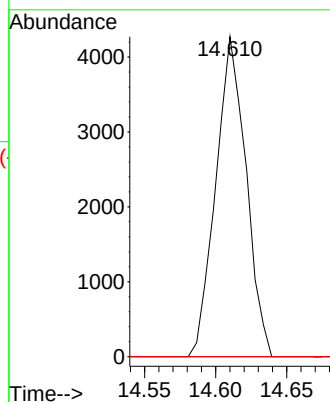
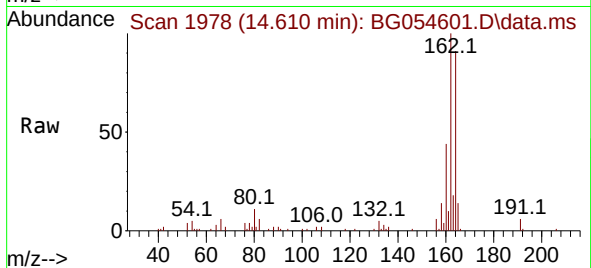




#51
2,6-Dinitrotoluene
Concen: 8.121 ng
RT: 14.610 min Scan# 1978
Delta R.T. 0.416 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

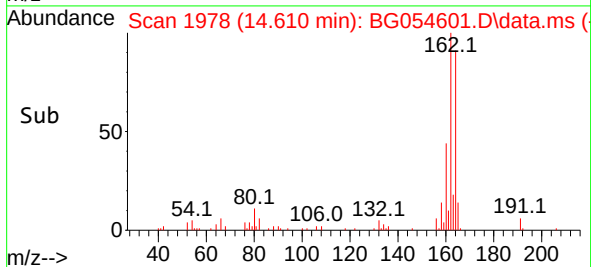
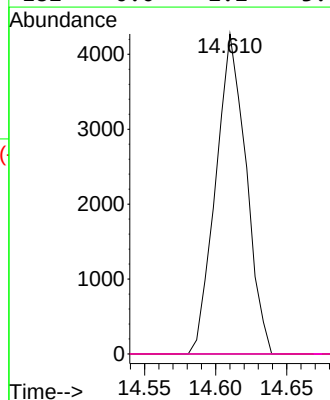
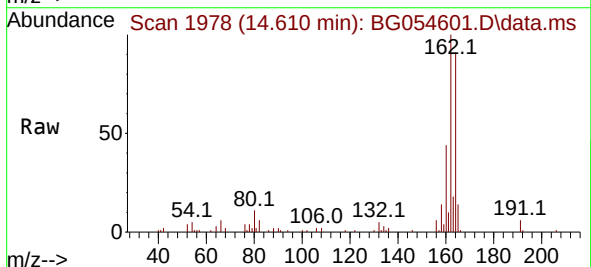
Instrument :
BNA_G
ClientSampleId :
MW-8R

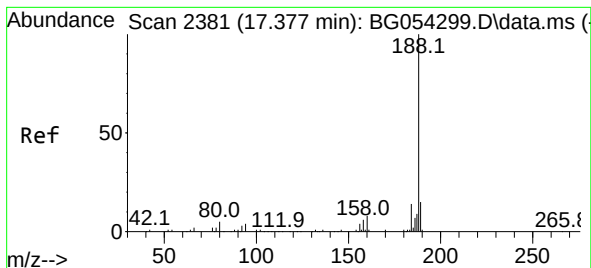
Tgt Ion:165 Resp: 6335
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.665 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.383 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

Tgt Ion:165 Resp: 6335
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.360 min Scan# 2446

Delta R.T. -0.002 min

Lab File: BG054601.D

Acq: 11 Aug 2022 12:23

Instrument :

BNA_G

ClientSampleId :

MW-8R

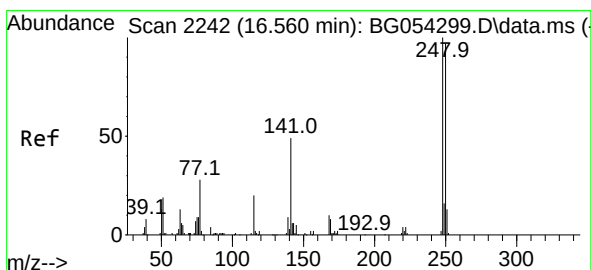
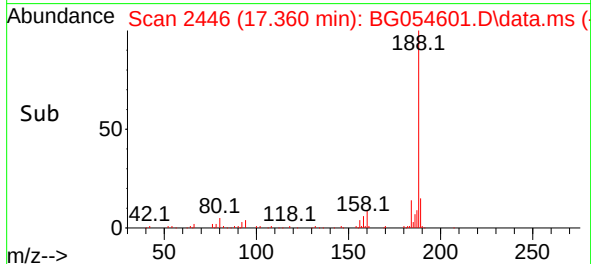
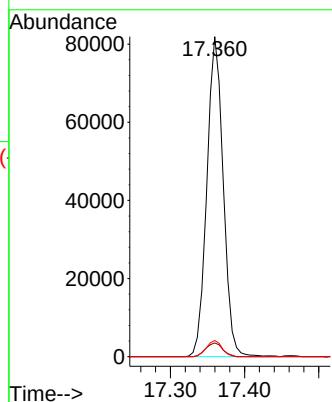
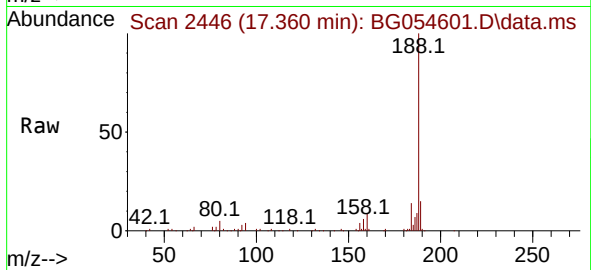
Tgt Ion:188 Resp: 125715

Ion Ratio Lower Upper

188 100

94 4.3 5.4 8.0#

80 5.1 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 4.429 ng

RT: 16.108 min Scan# 2233

Delta R.T. -0.436 min

Lab File: BG054601.D

Acq: 11 Aug 2022 12:23

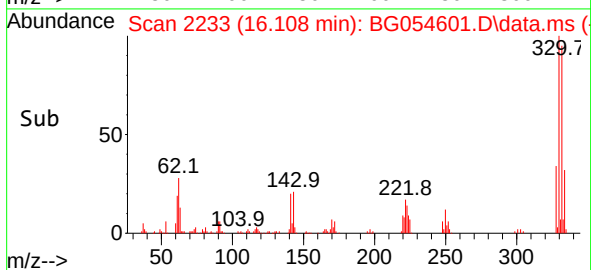
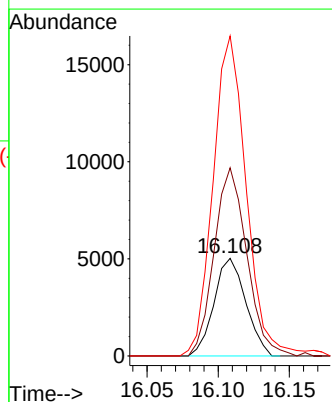
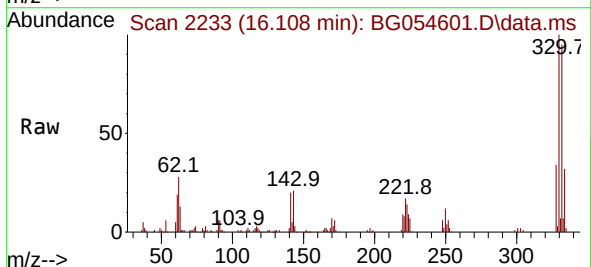
Tgt Ion:248 Resp: 7819

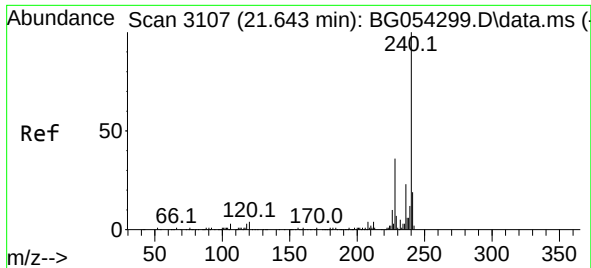
Ion Ratio Lower Upper

248 100

250 147.8 75.2 112.8#

141 251.4 50.0 75.0#

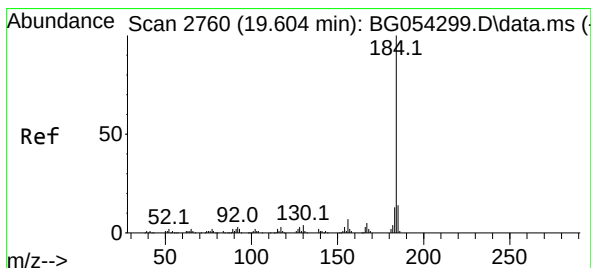
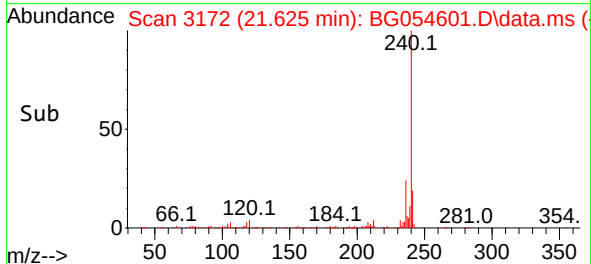
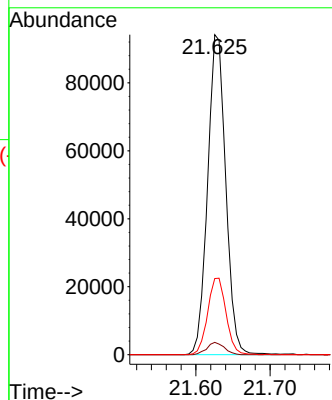
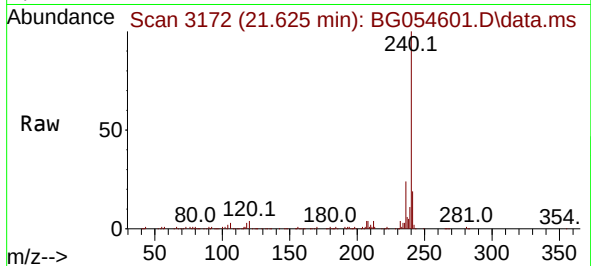




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

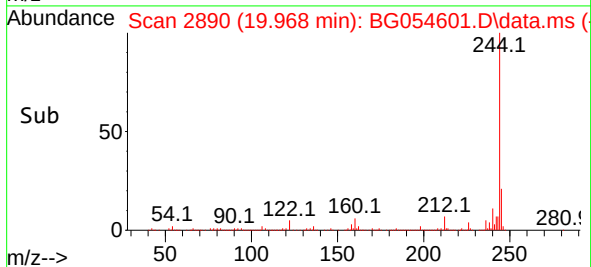
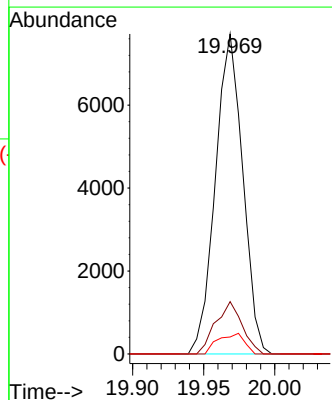
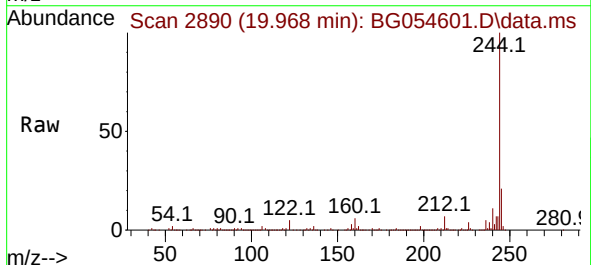
Instrument :
BNA_G
ClientSampleId :
MW-8R

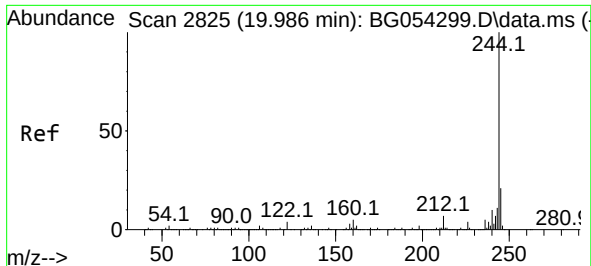
Tgt Ion:240 Resp: 159571
Ion Ratio Lower Upper
240 100
120 3.9 4.6 7.0#
236 23.8 20.2 30.4



#77
Benzidine
Concen: 3.569 ng
RT: 19.968 min Scan# 2890
Delta R.T. 0.375 min
Lab File: BG054601.D
Acq: 11 Aug 2022 12:23

Tgt Ion:184 Resp: 10314
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.6
183 5.3 8.9 13.3#

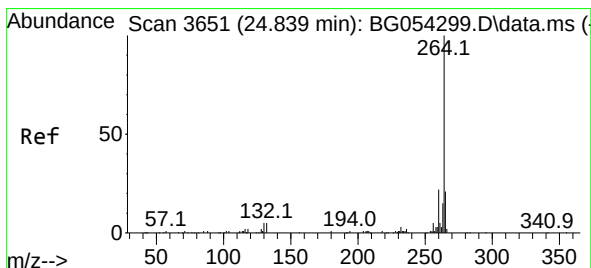
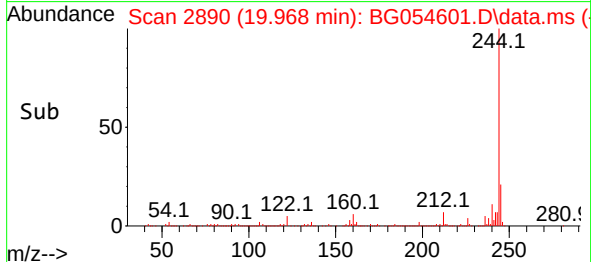
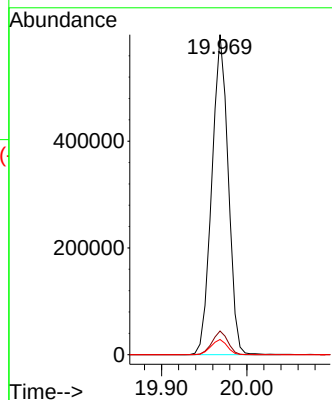
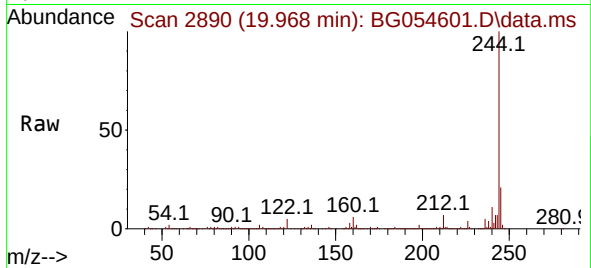




#79
 Terphenyl-d14
 Concen: 99.510 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054601.D
 Acq: 11 Aug 2022 12:23

Instrument :
 BNA_G
 ClientSampleId :
 MW-8R

Tgt Ion:244 Resp: 800430
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.7 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.833 min Scan# 3718
 Delta R.T. -0.002 min
 Lab File: BG054601.D
 Acq: 11 Aug 2022 12:23

Tgt Ion:264 Resp: 165066
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.6
 265 21.4 17.4 26.2

