

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100322\
 Data File : BG055056.D
 Acq On : 3 Oct 2022 23:09
 Operator : CG/JU
 Sample : PB148034BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB148034BL

Quant Time: Oct 04 06:12:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 06:09:28 2022
 Response via : Initial Calibration

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

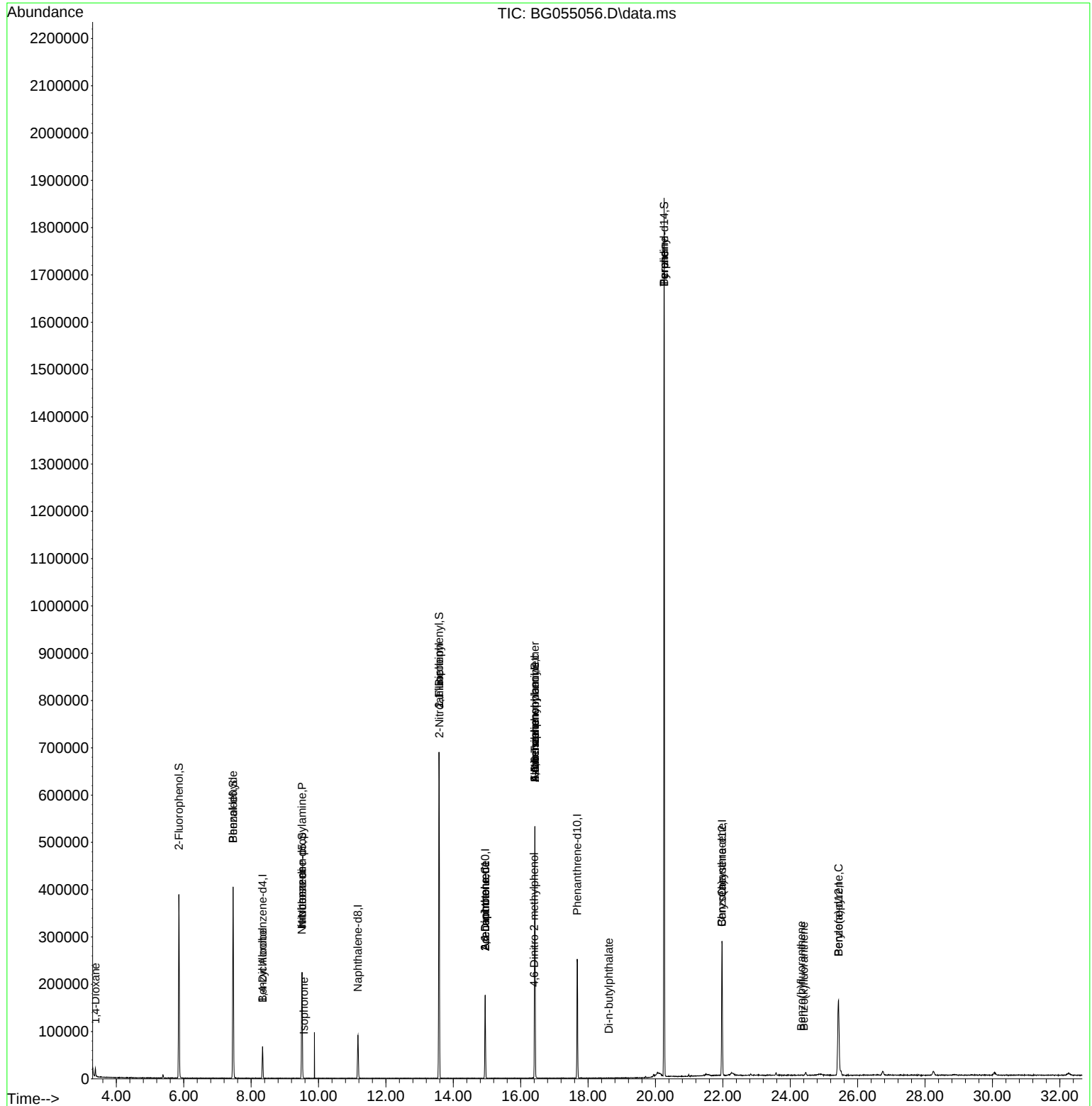
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	18423	20.000	ng	0.00
21) Naphthalene-d8	11.167	136	78081	20.000	ng	0.00
39) Acenaphthene-d10	14.945	164	60470	20.000	ng	0.00
64) Phenanthrene-d10	17.677	188	164728	20.000	ng	0.00
76) Chrysene-d12	21.972	240	189295	20.000	ng	0.00
86) Perylene-d12	25.433	264	194003	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.856	112	156025	188.109	ng	0.00
7) Phenol-d6	7.466	99	212502	170.992	ng	0.00
23) Nitrobenzene-d5	9.510	82	130441	99.824	ng	0.00
42) 2,4,6-Tribromophenol	16.420	330	102210	161.073	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	351246	90.680	ng	0.00
79) Terphenyl-d14	20.257	244	913925	97.584	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.376	88	57	0.121	ng	# 1
9) Benzaldehyde	7.466	77	500	0.501	ng	# 6
15) Benzyl Alcohol	8.341	79	559	0.501	ng	# 24
19) n-Nitroso-di-n-propyla...	9.510	70	17304	14.374	ng	# 81
24) Nitrobenzene	9.505	77	444	0.313	ng	# 47
25) Isophorone	9.569	82	53	0.019	ng	# 67
46) 1,1'-Biphenyl	13.576	154	609	0.147	ng	# 1
48) 2-Nitroaniline	13.582	65	595	4.661	ng	# 1
51) 2,6-Dinitrotoluene	14.945	165	7817	12.123	ng	# 15
52) Acenaphthene	14.945	154	85	0.025	ng	# 4
57) 2,4-Dinitrotoluene	14.945	165	7817	9.904	ng	# 17
58) Fluorene	16.420	166	2965	0.676	ng	# 74
63) Azobenzene	16.420	77	605	0.127	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.402	198	53	0.086	ng	# 37
66) n-Nitrosodiphenylamine	16.420	169	3139	0.732	ng	# 42
67) 4-Bromophenyl-phenylether	16.420	248	6333	3.635	ng	# 1
74) Di-n-butylphthalate	18.617	149	99	0.013	ng	# 77
77) Benzidine	20.257	184	14234	4.365	ng	# 93
78) Pyrene	20.257	202	3236	0.257	ng	# 67
81) Benzo(a)anthracene	21.966	228	529	0.044	ng	# 50
83) Chrysene	21.966	228	529	0.046	ng	# 48
88) Benzo(b)fluoranthene	24.328	252	65	0.006	ng	# 60
89) Benzo(k)fluoranthene	24.405	252	73	0.006	ng	# 60
90) Benzo(a)pyrene	25.433	252	597	0.061	ng	# 61

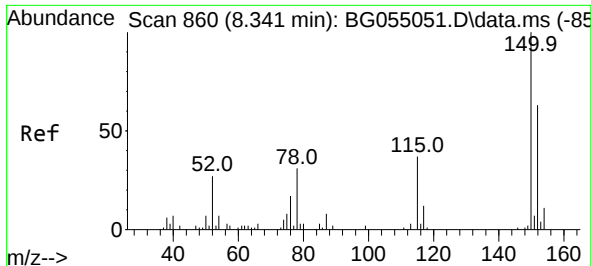
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100322\
Data File : BG055056.D
Acq On : 3 Oct 2022 23:09
Operator : CG/JU
Sample : PB148034BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB148034BL

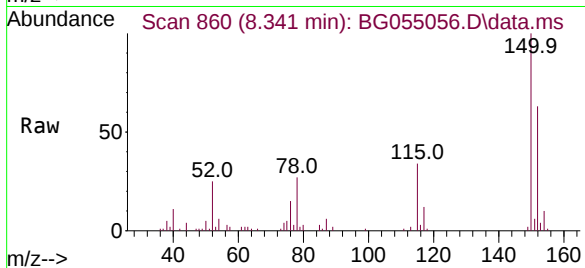
Quant Time: Oct 04 06:12:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
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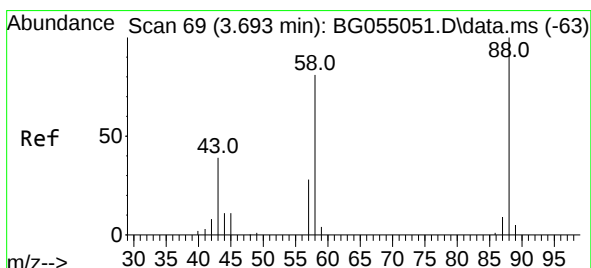
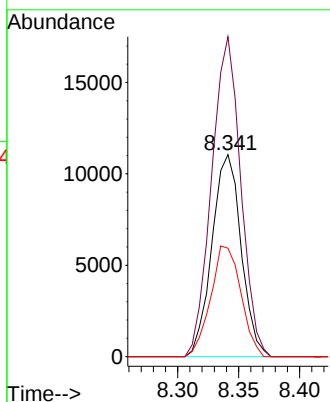
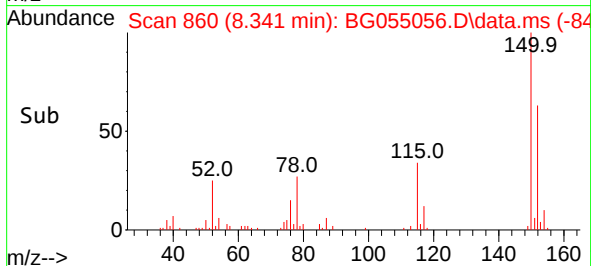


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.341 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09

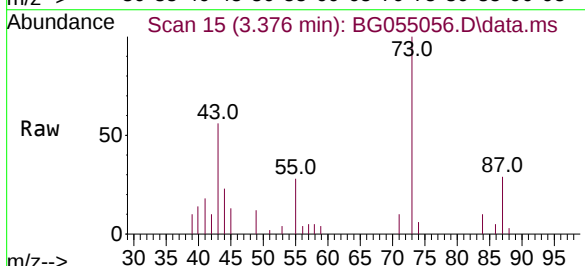
Instrument :
 BNA_G
 ClientSampleId :
 PB148034BL



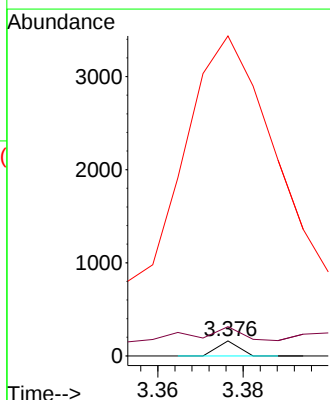
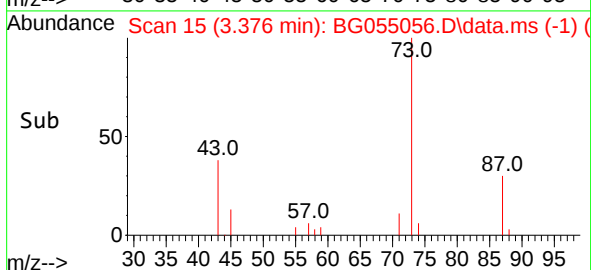
Tgt Ion:152 Resp: 18423
 Ion Ratio Lower Upper
 152 100
 150 158.4 128.0 192.0
 115 53.6 47.7 71.5

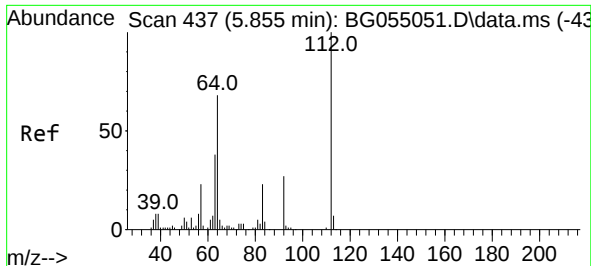


#2
 1,4-Dioxane
 Concen: 0.121 ng
 RT: 3.376 min Scan# 15
 Delta R.T. -0.317 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09



Tgt Ion: 88 Resp: 57
 Ion Ratio Lower Upper
 88 100
 58 229.8 62.6 94.0#
 43 6322.8 29.0 43.6#

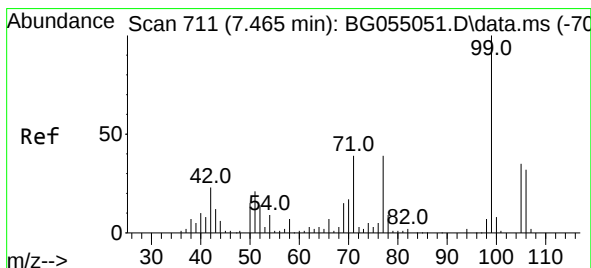
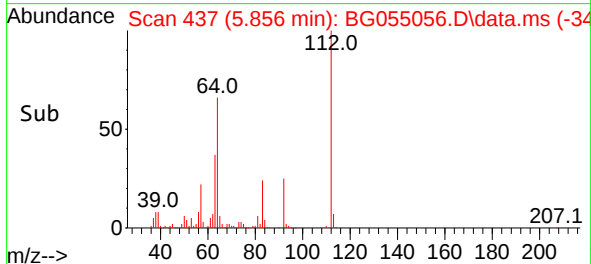
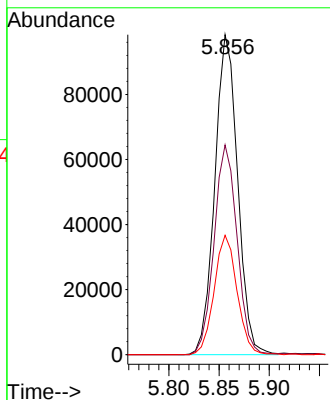
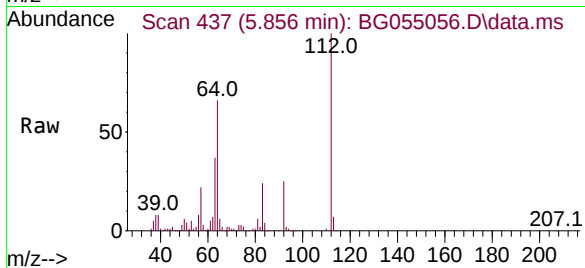




#5
2-Fluorophenol
Concen: 188.109 ng
RT: 5.856 min Scan# 437
Delta R.T. 0.001 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

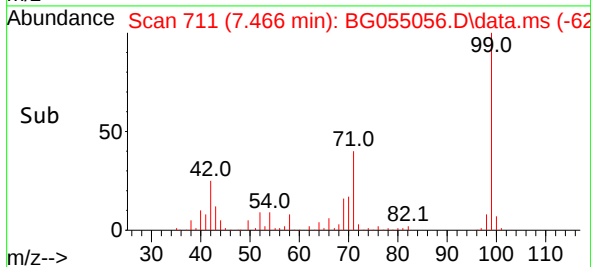
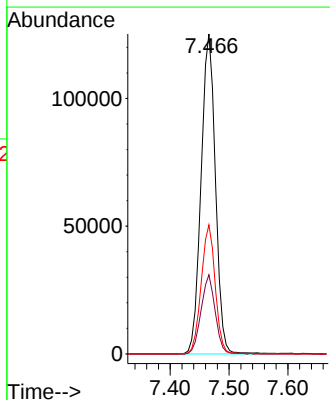
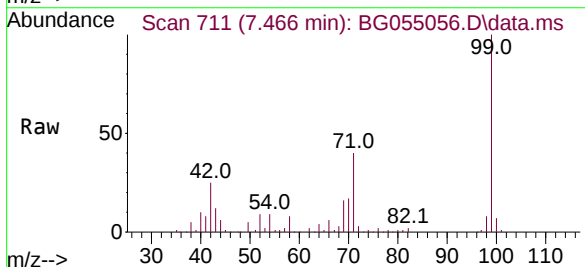
Instrument :
BNA_G
ClientSampleId :
PB148034BL

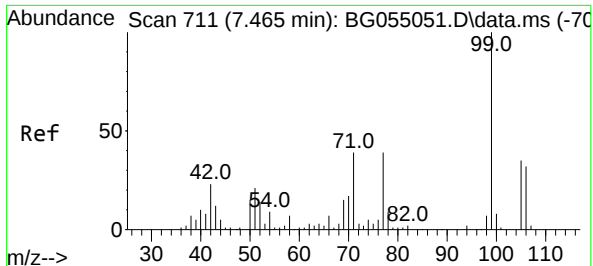
Tgt Ion:112 Resp: 156025
Ion Ratio Lower Upper
112 100
64 65.5 54.5 81.7
63 37.3 30.5 45.7



#7
Phenol-d6
Concen: 170.992 ng
RT: 7.466 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion: 99 Resp: 212502
Ion Ratio Lower Upper
99 100
42 24.7 18.6 28.0
71 40.3 31.2 46.8

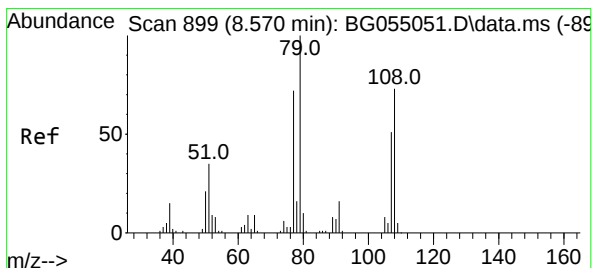
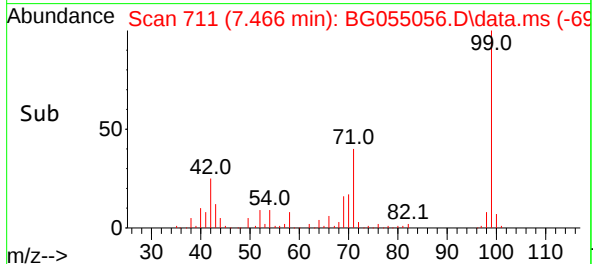
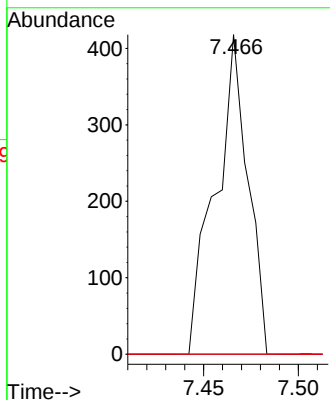
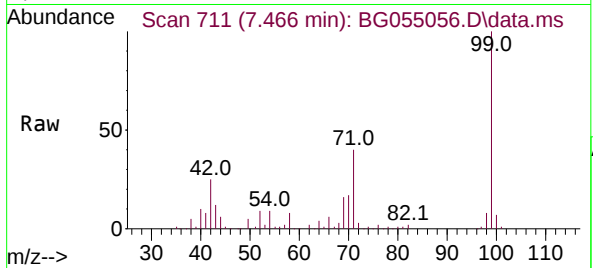




#9
Benzaldehyde
Concen: 0.501 ng
RT: 7.466 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

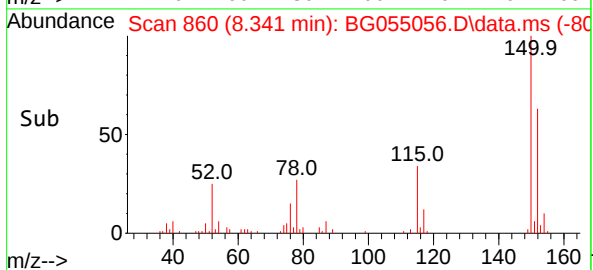
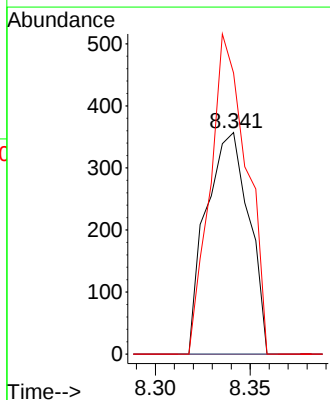
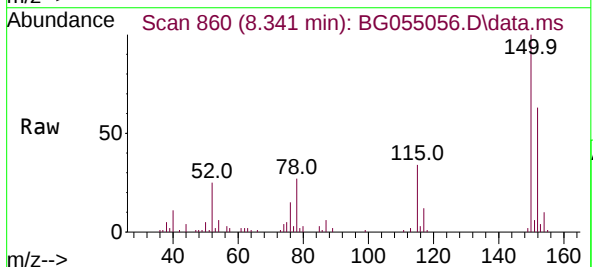
Instrument :
BNA_G
ClientSampleId :
PB148034BL

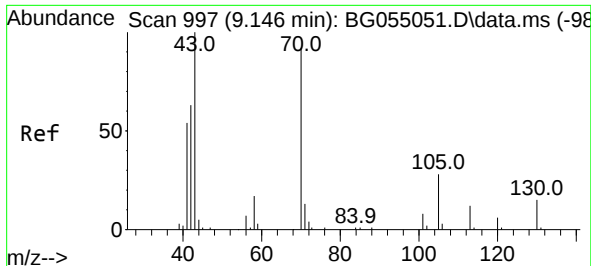
Tgt Ion: 77 Resp: 500
Ion Ratio Lower Upper
77 100
105 0.0 70.4 110.4#
106 0.0 62.8 102.8#



#15
Benzyl Alcohol
Concen: 0.501 ng
RT: 8.341 min Scan# 860
Delta R.T. -0.229 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion: 79 Resp: 559
Ion Ratio Lower Upper
79 100
108 0.0 58.6 87.8#
77 126.9 57.8 86.6#





#19

n-Nitroso-di-n-propylamine

Concen: 14.374 ng

RT: 9.510 min Scan# 1059

Delta R.T. 0.365 min

Lab File: BG055056.D

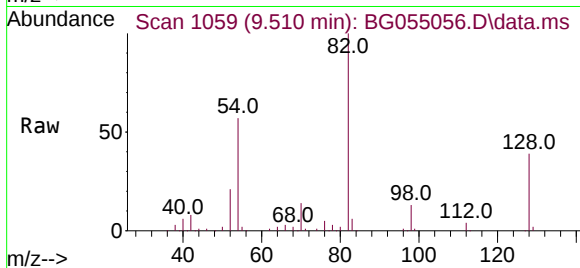
Acq: 3 Oct 2022 23:09

Instrument :

BNA_G

ClientSampleId :

PB148034BL



Tgt Ion: 70 Resp: 17304

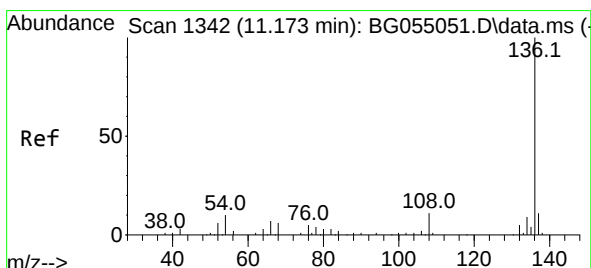
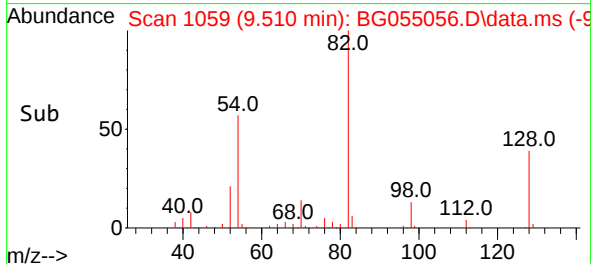
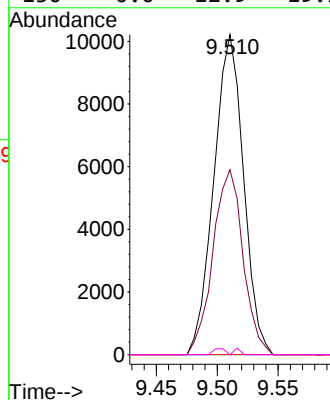
Ion Ratio Lower Upper

70 100

42 57.8 55.8 83.6

101 0.0 7.1 10.7#

130 0.0 12.9 19.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.167 min Scan# 1341

Delta R.T. -0.005 min

Lab File: BG055056.D

Acq: 3 Oct 2022 23:09

Tgt Ion: 136 Resp: 78081

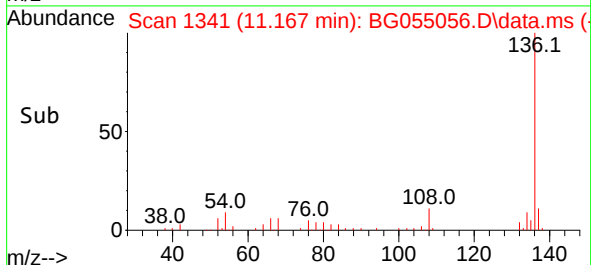
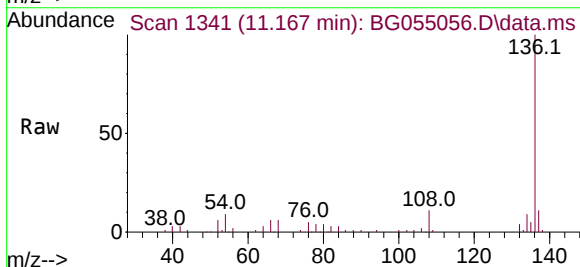
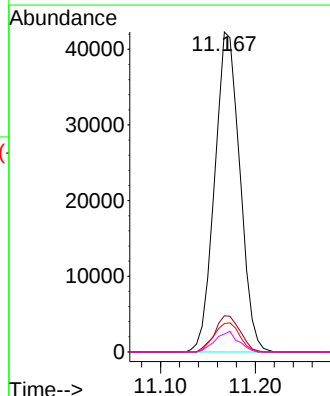
Ion Ratio Lower Upper

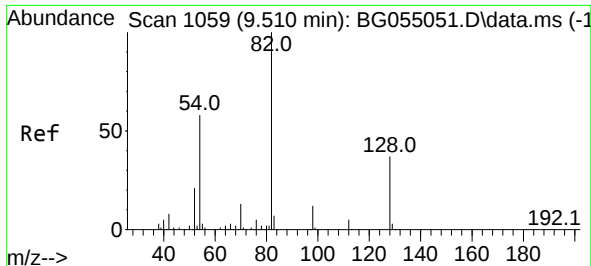
136 100

137 11.3 8.7 13.1

54 8.9 8.2 12.4

68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 99.824 ng

RT: 9.510 min Scan# 1058

Delta R.T. 0.000 min

Lab File: BG055056.D

Acq: 3 Oct 2022 23:09

Instrument :

BNA_G

ClientSampleId :

PB148034BL

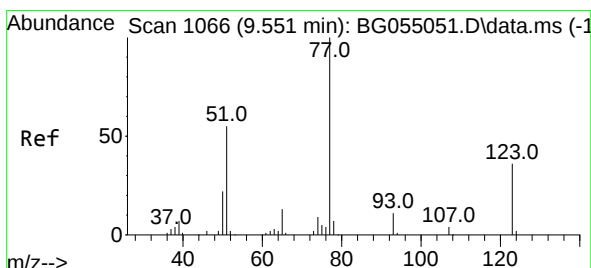
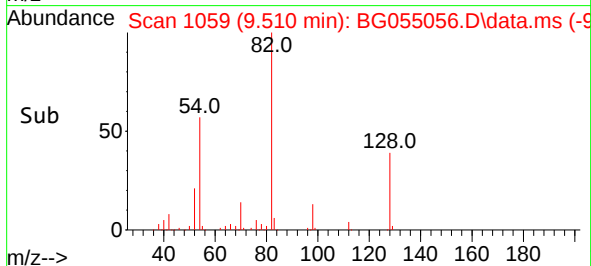
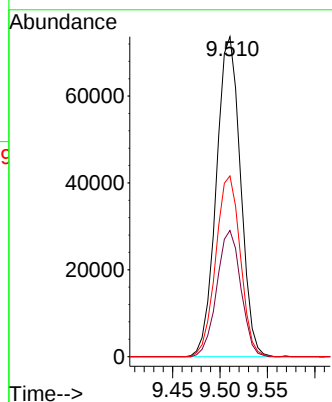
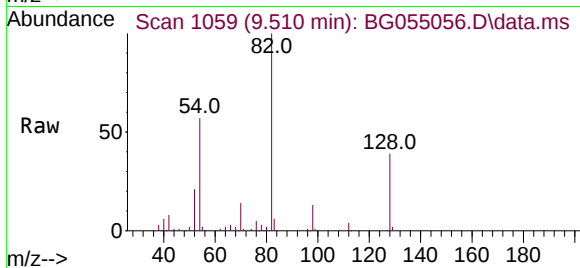
Tgt Ion: 82 Resp: 130441

Ion Ratio Lower Upper

82 100

128 39.4 29.5 44.3

54 56.5 46.7 70.1



#24

Nitrobenzene

Concen: 0.313 ng

RT: 9.505 min Scan# 1058

Delta R.T. -0.046 min

Lab File: BG055056.D

Acq: 3 Oct 2022 23:09

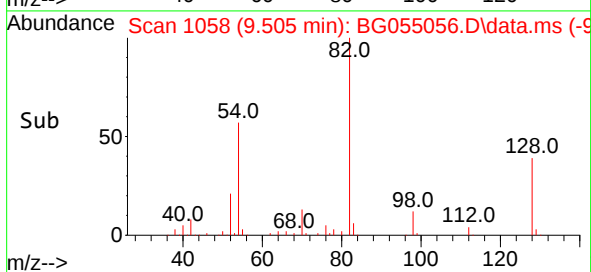
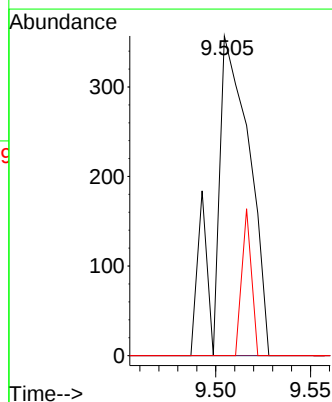
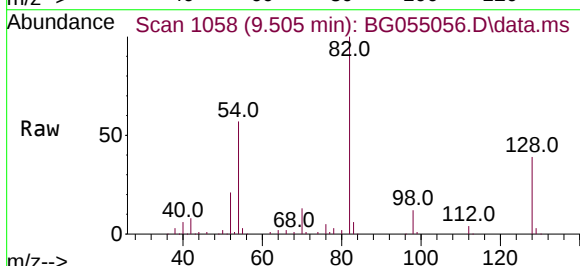
Tgt Ion: 77 Resp: 444

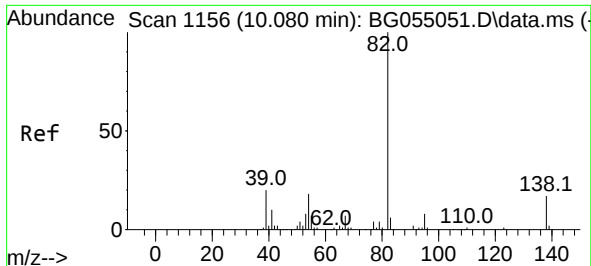
Ion Ratio Lower Upper

77 100

123 0.0 28.6 42.8#

65 0.0 10.5 15.7#

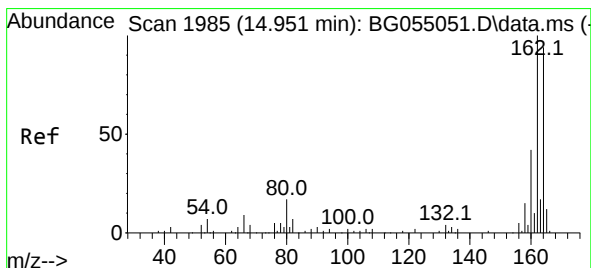
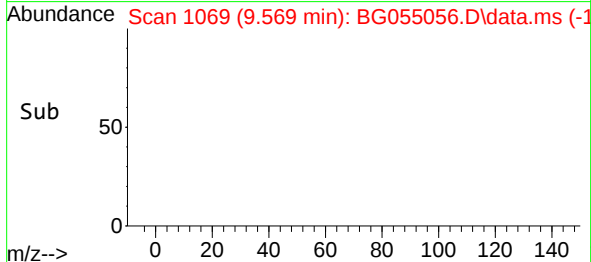
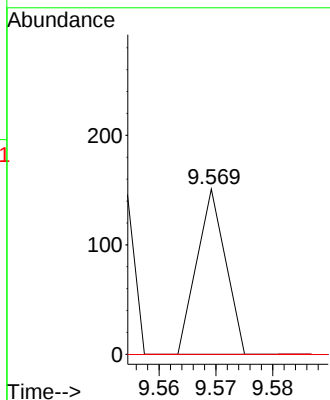
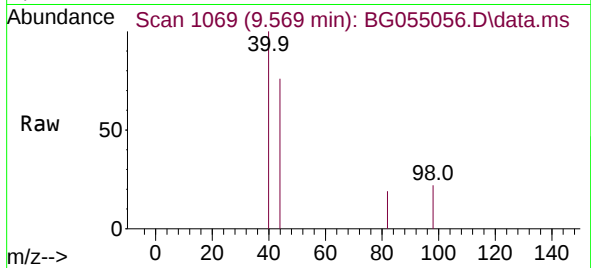




#25
Isophorone
Concen: 0.019 ng
RT: 9.569 min Scan# 1069
Delta R.T. -0.511 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

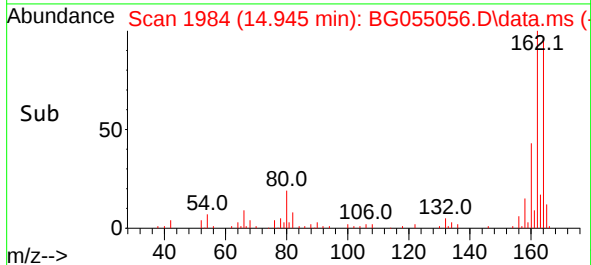
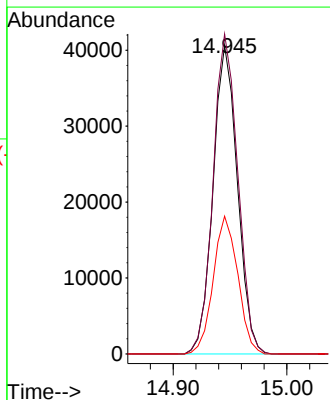
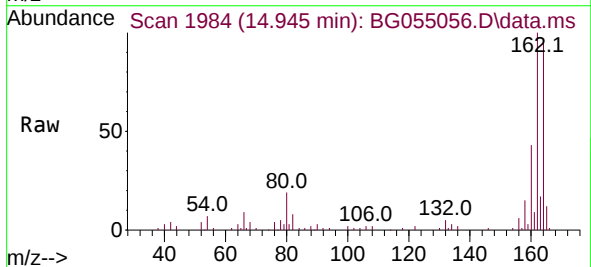
Instrument :
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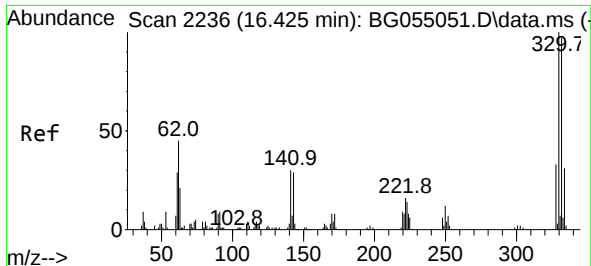
Tgt Ion: 82 Resp: 53
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

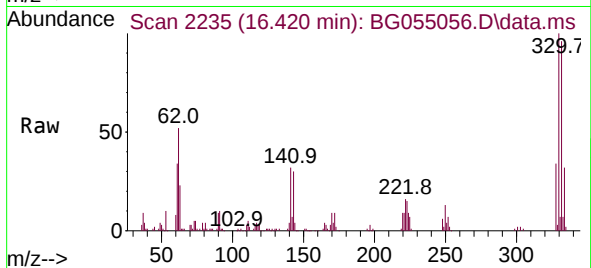
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Ion Ratio Lower Upper
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162 103.8 85.5 128.3
160 44.6 35.5 53.3



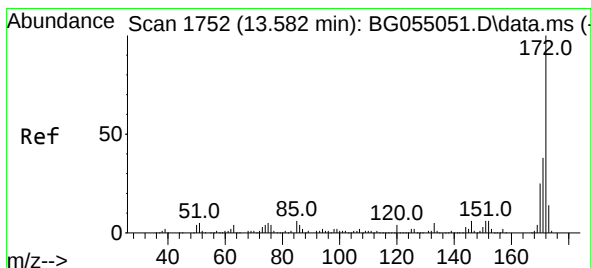
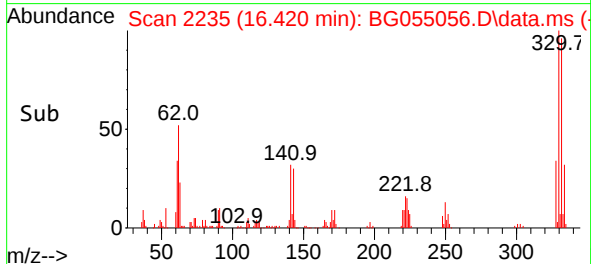
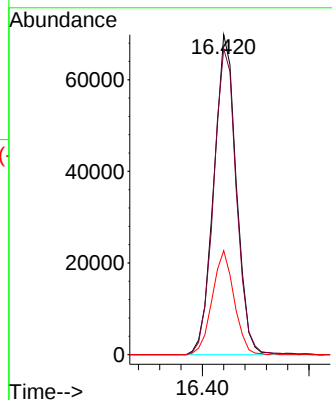


#42
2,4,6-Tribromophenol
Concen: 161.073 ng
RT: 16.420 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Instrument :
BNA_G
ClientSampleId :
PB148034BL

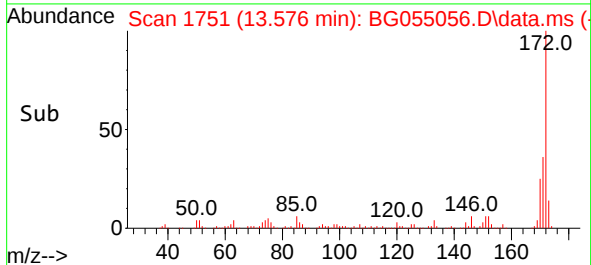
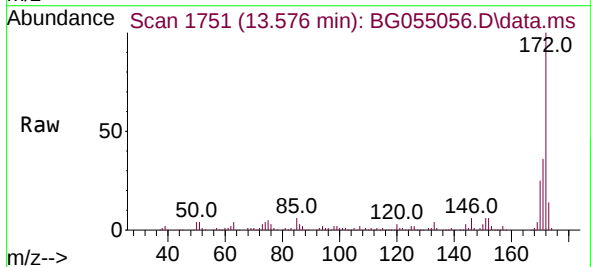
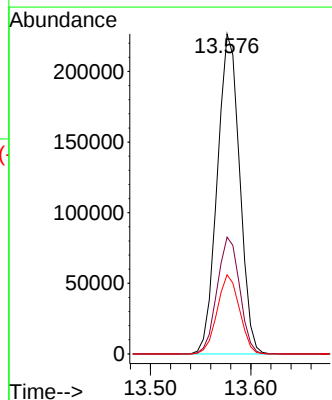


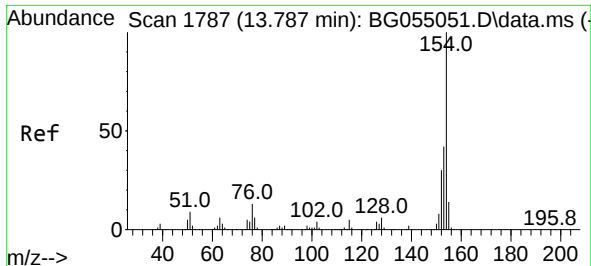
Tgt Ion:330 Resp: 102210
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 31.6 25.0 37.4



#45
2-Fluorobiphenyl
Concen: 90.680 ng
RT: 13.576 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion:172 Resp: 351246
Ion Ratio Lower Upper
172 100
171 36.5 30.1 45.1
170 24.7 20.0 30.0

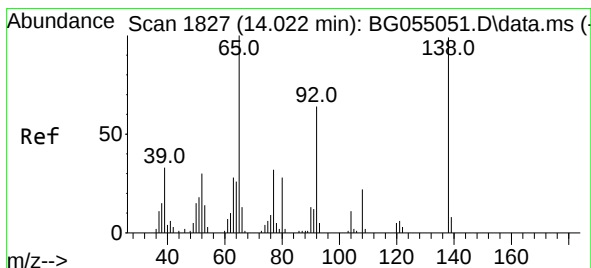
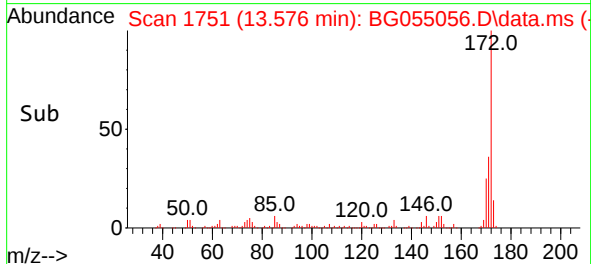
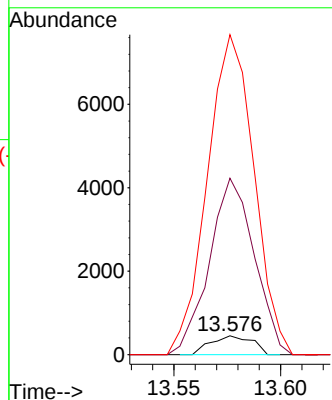
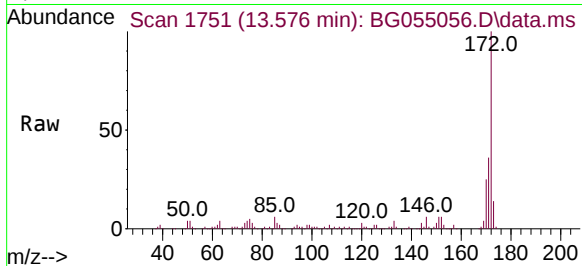




#46
 1,1'-Biphenyl
 Concen: 0.147 ng
 RT: 13.576 min Scan# 1751
 Delta R.T. -0.211 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09

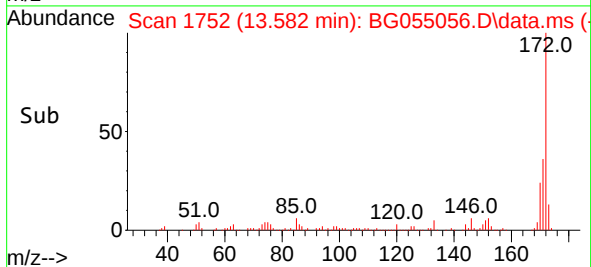
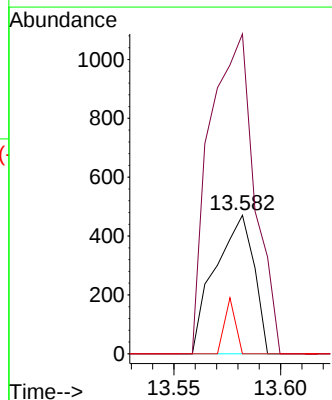
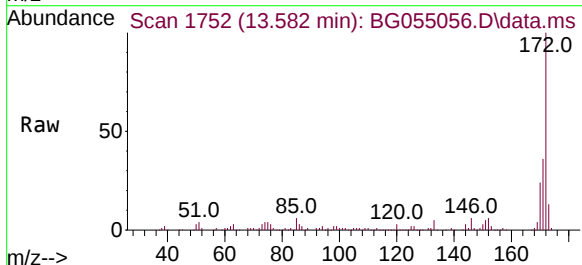
Instrument :
 BNA_G
 ClientSampleId :
 PB148034BL

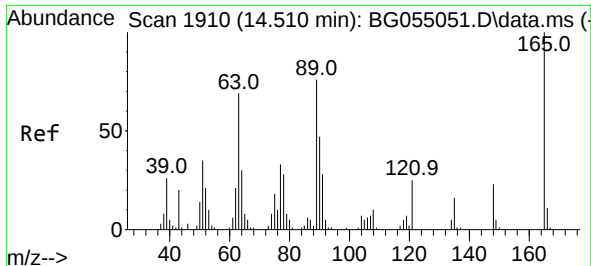
Tgt Ion:154 Resp: 609
 Ion Ratio Lower Upper
 154 100
 153 940.2 22.0 62.0#
 76 1704.9 0.0 33.3#



#48
 2-Nitroaniline
 Concen: 4.661 ng
 RT: 13.582 min Scan# 1752
 Delta R.T. -0.440 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09

Tgt Ion: 65 Resp: 595
 Ion Ratio Lower Upper
 65 100
 92 230.8 50.9 76.3#
 138 0.0 79.5 119.3#





#51

2,6-Dinitrotoluene

Concen: 12.123 ng

RT: 14.945 min Scan# 1910

Delta R.T. 0.435 min

Lab File: BG055056.D

Acq: 3 Oct 2022 23:09

Instrument :

BNA_G

ClientSampleId :

PB148034BL

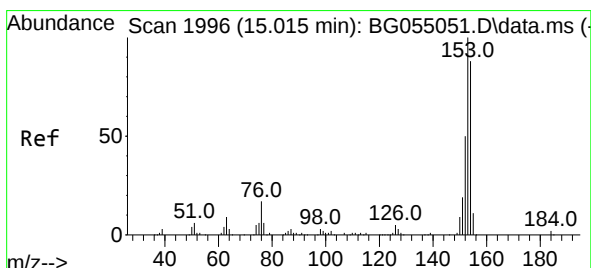
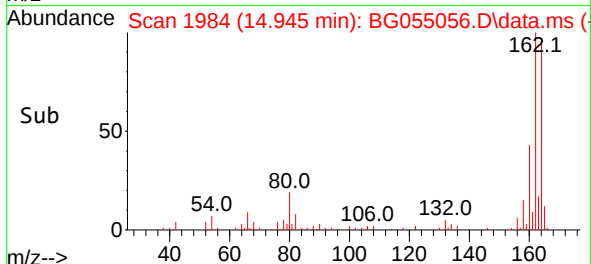
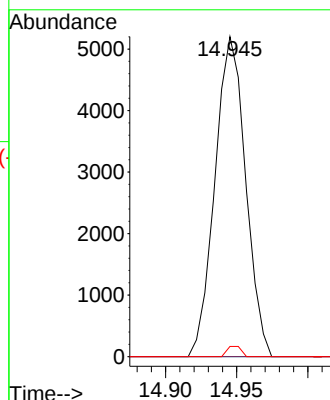
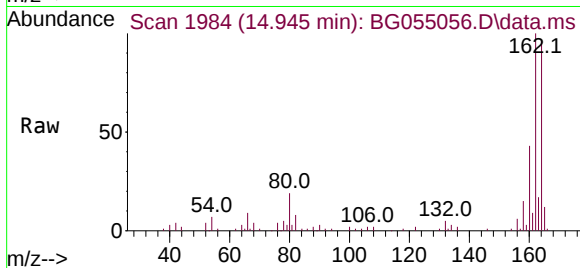
Tgt Ion:165 Resp: 7817

Ion Ratio Lower Upper

165 100

63 0.0 56.2 84.4#

89 3.2 60.4 90.6#



#52

Acenaphthene

Concen: 0.025 ng

RT: 14.945 min Scan# 1984

Delta R.T. -0.070 min

Lab File: BG055056.D

Acq: 3 Oct 2022 23:09

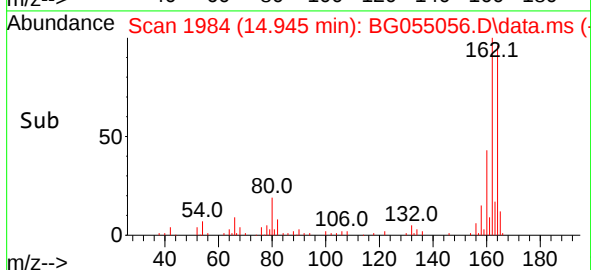
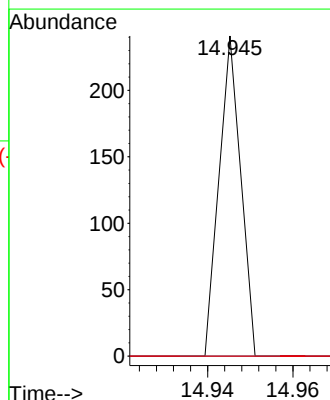
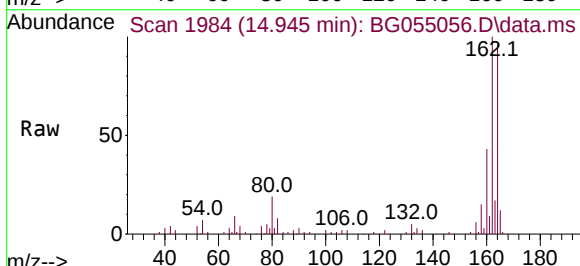
Tgt Ion:154 Resp: 85

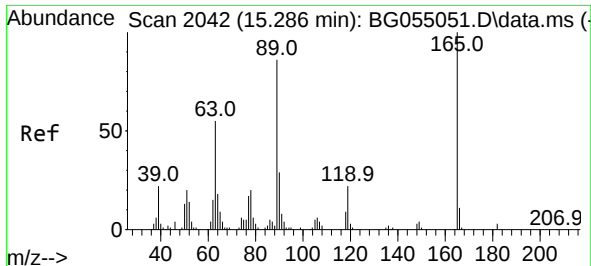
Ion Ratio Lower Upper

154 100

153 0.0 91.4 137.0#

152 0.0 45.3 67.9#

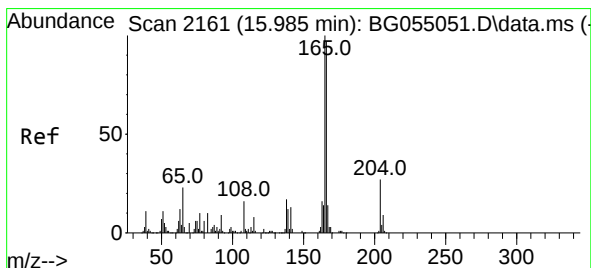
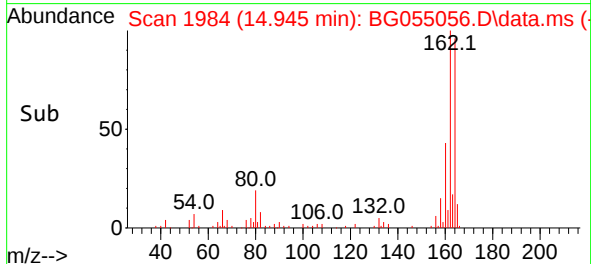
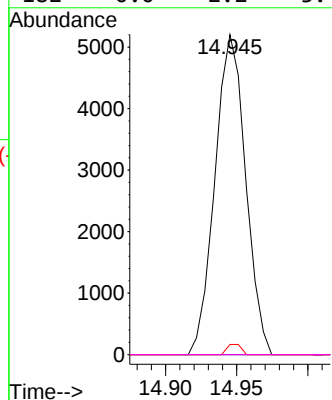
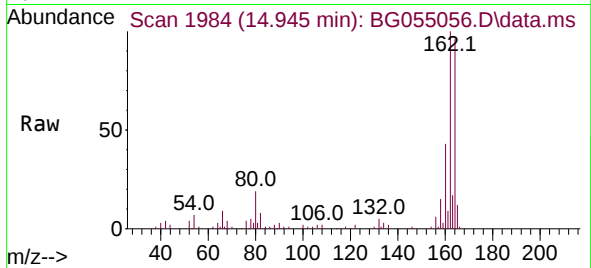




#57
2,4-Dinitrotoluene
Concen: 9.904 ng
RT: 14.945 min Scan# 19
Delta R.T. -0.341 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

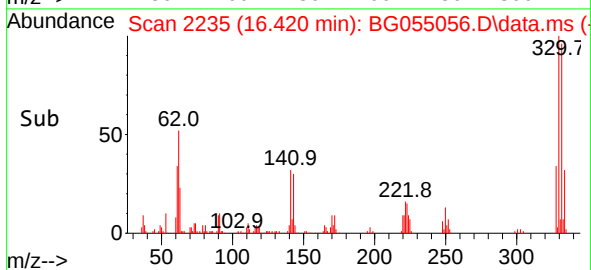
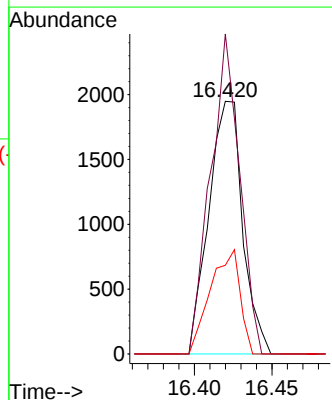
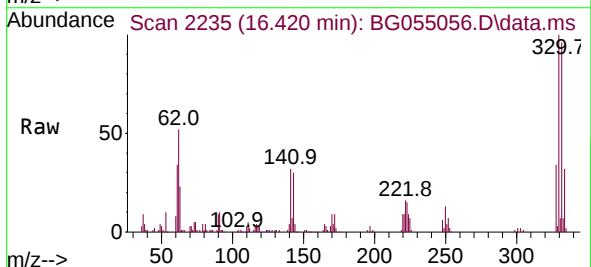
Instrument :
BNA_G
ClientSampleId :
PB148034BL

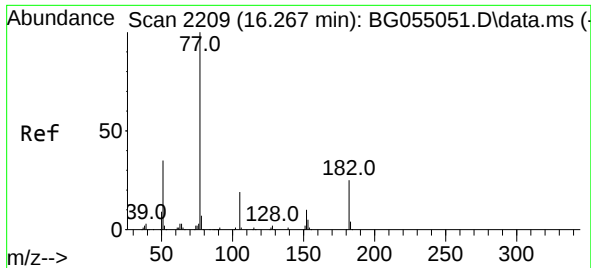
Tgt Ion:165	Resp:	7817
Ion	Ratio	Lower Upper
165	100	
63	0.0	44.2 66.2#
89	3.2	69.0 103.6#
182	0.0	2.2 3.4#



#58
Fluorene
Concen: 0.676 ng
RT: 16.420 min Scan# 2235
Delta R.T. 0.435 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion:166	Resp:	2965
Ion	Ratio	Lower Upper
166	100	
165	126.7	82.6 123.8#
167	35.0	11.8 17.8#

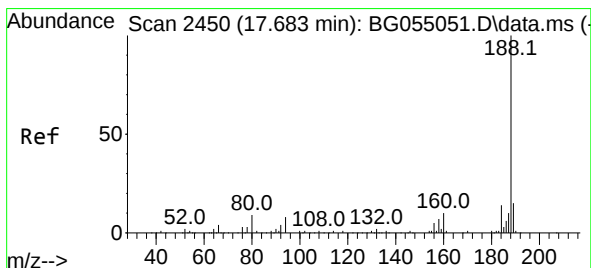
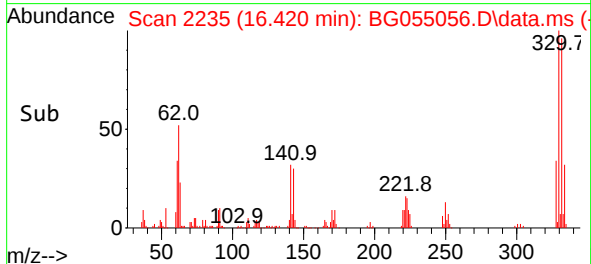
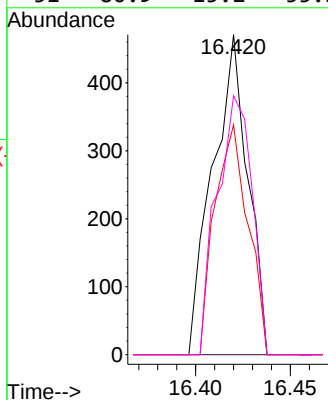
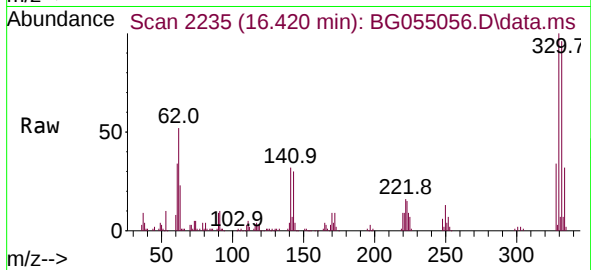




#63
 Azobenzene
 Concen: 0.127 ng
 RT: 16.420 min Scan# 21
 Delta R.T. 0.153 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09

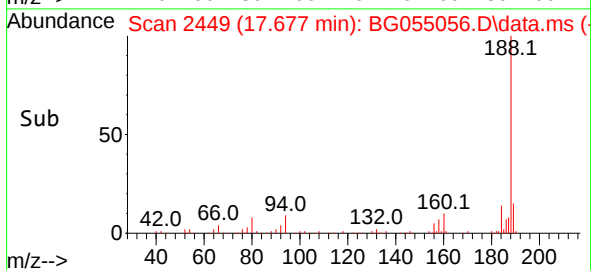
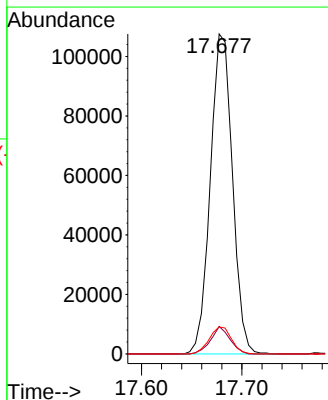
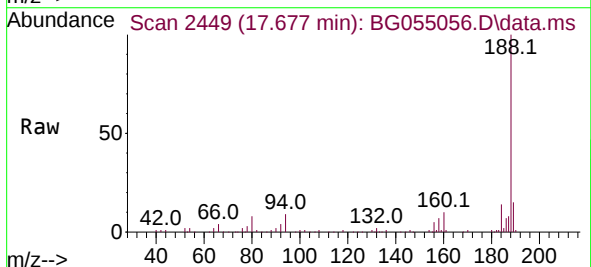
Instrument :
 BNA_G
 ClientSampleId :
 PB148034BL

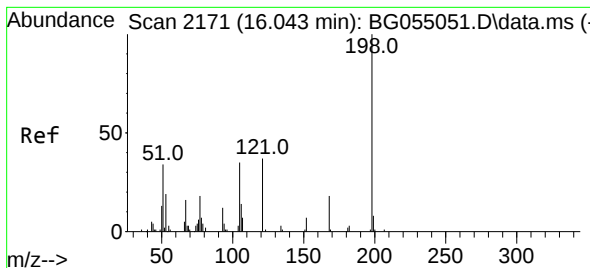
Tgt Ion: 77	Resp:	605
Ion Ratio	Lower	Upper
77	100	
182	0.0	4.8 44.8#
105	71.8	0.0 38.8#
51	80.9	15.2 55.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.677 min Scan# 2449
 Delta R.T. -0.005 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09

Tgt Ion: 188	Resp:	164728
Ion Ratio	Lower	Upper
188	100	
94	8.6	6.2 9.2
80	8.4	7.2 10.8

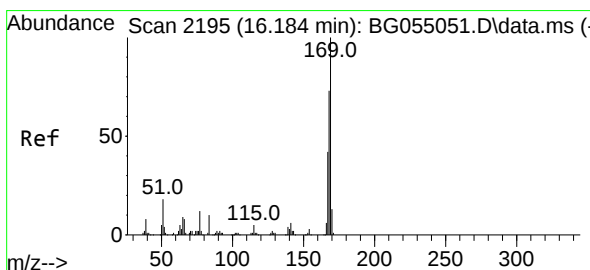
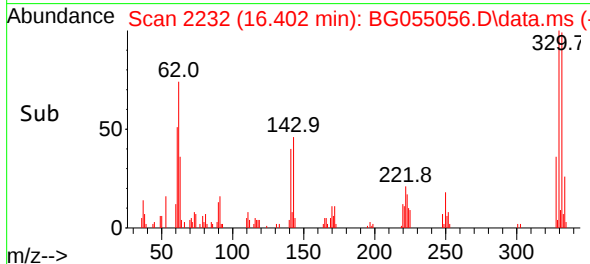
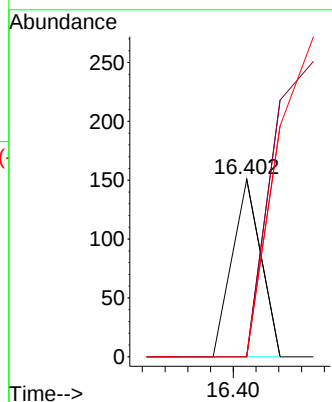
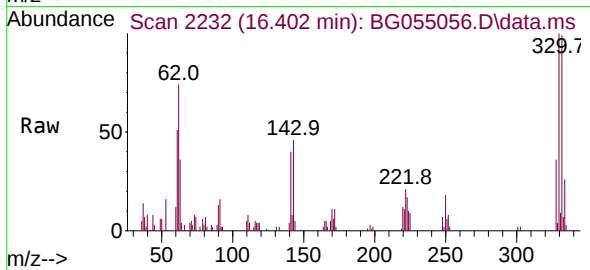




#65
4,6-Dinitro-2-methylphenol
Concen: 0.086 ng
RT: 16.402 min Scan# 2171
Delta R.T. 0.359 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

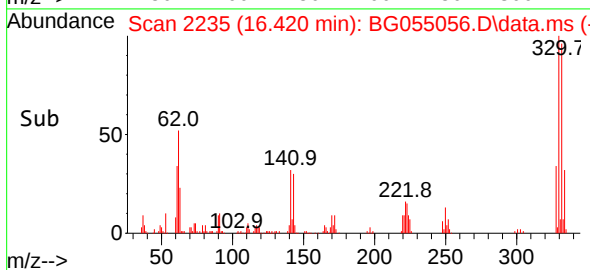
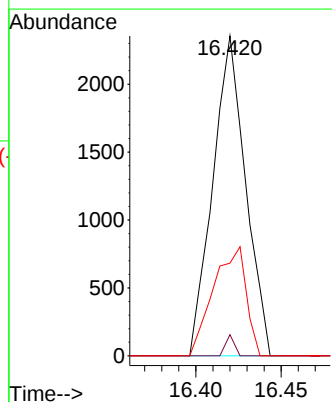
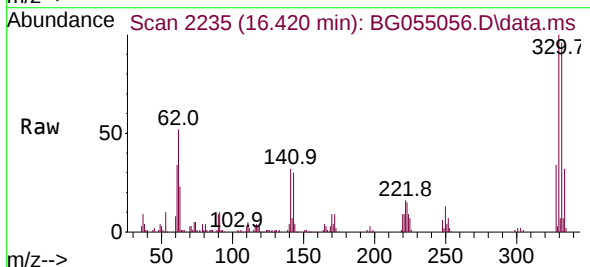
Instrument :
BNA_G
ClientSampleId :
PB148034BL

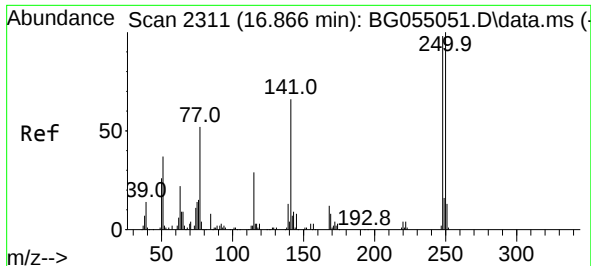
Tgt Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 0.0 19.4 59.4#
105 0.0 16.2 56.2#



#66
n-Nitrosodiphenylamine
Concen: 0.732 ng
RT: 16.420 min Scan# 2235
Delta R.T. 0.236 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion:169 Resp: 3139
Ion Ratio Lower Upper
169 100
168 6.6 58.4 87.6#
167 29.0 33.7 50.5#

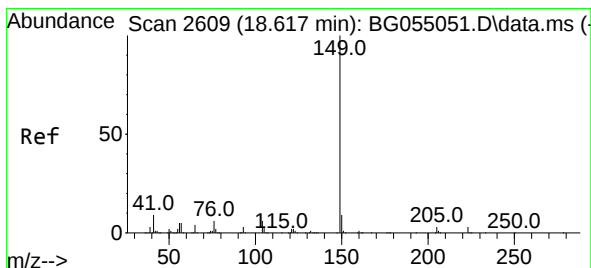
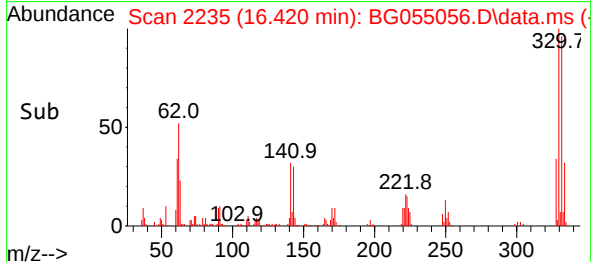
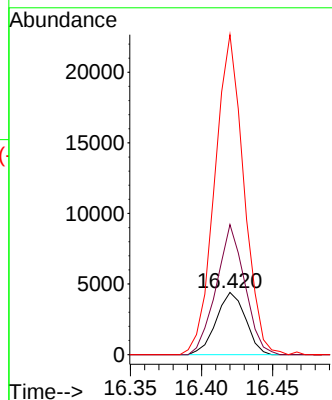
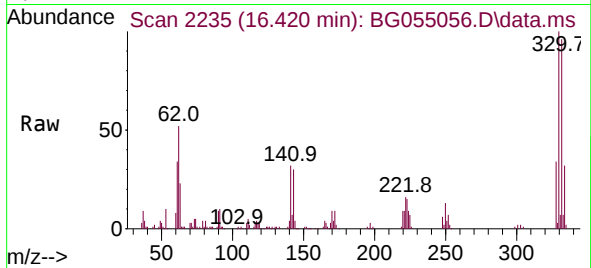




#67
4-Bromophenyl-phenylether
Concen: 3.635 ng
RT: 16.420 min Scan# 211
Delta R.T. -0.446 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

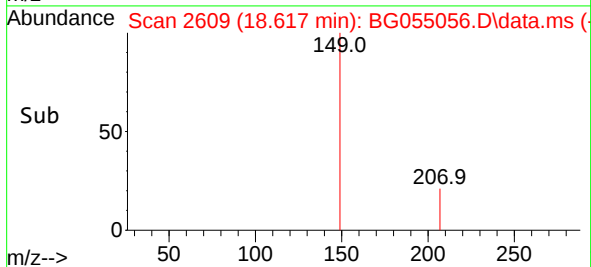
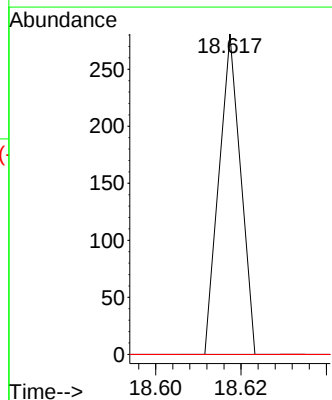
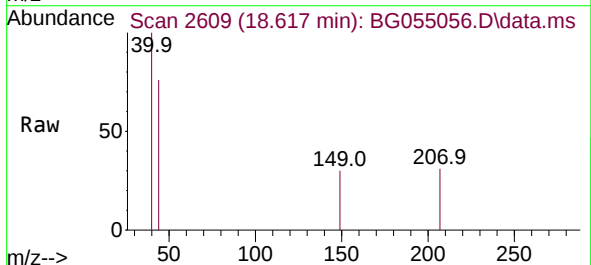
Instrument :
BNA_G
ClientSampleId :
PB148034BL

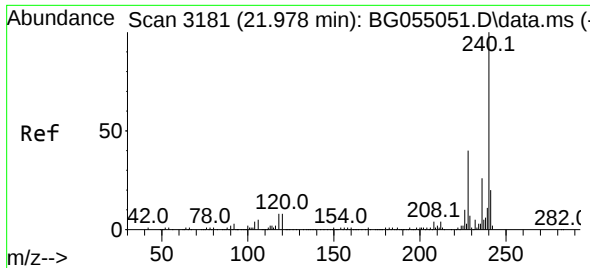
Tgt Ion:248 Resp: 6333
Ion Ratio Lower Upper
248 100
250 209.2 81.7 122.5#
141 514.9 53.7 80.5#



#74
Di-n-butylphthalate
Concen: 0.013 ng
RT: 18.617 min Scan# 2609
Delta R.T. 0.001 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

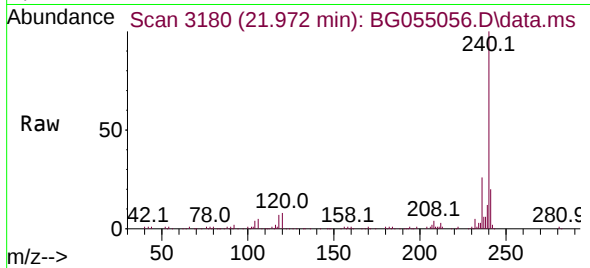
Tgt Ion:149 Resp: 99
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 4.8 7.2#



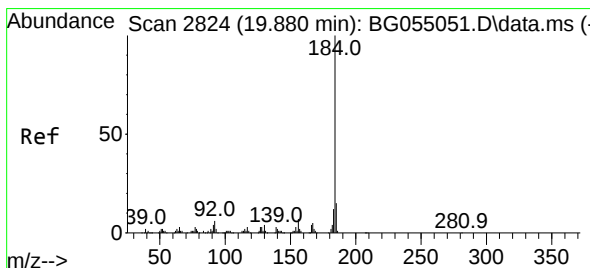
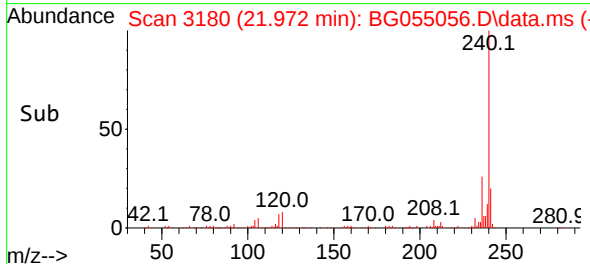
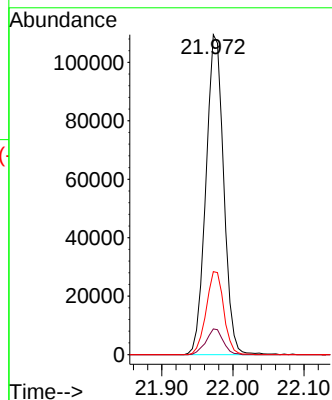


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.972 min Scan# 3180
Delta R.T. -0.005 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Instrument :
BNA_G
ClientSampleId :
PB148034BL

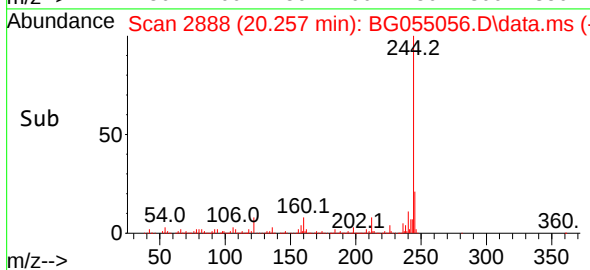
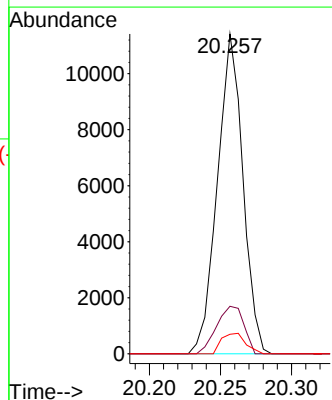
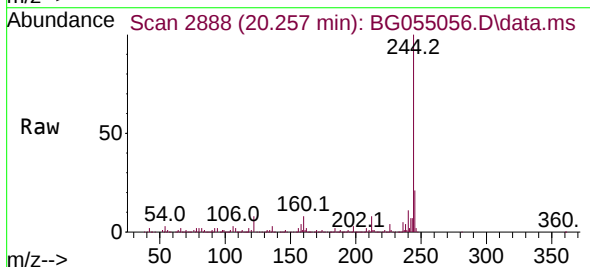


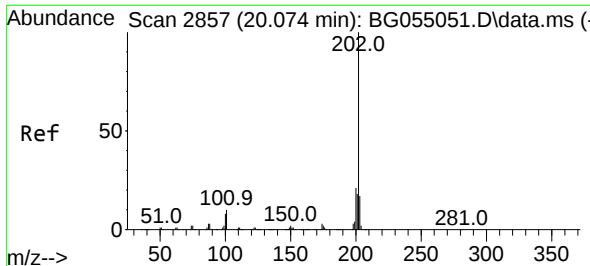
Tgt Ion:240 Resp: 189295
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.4
236 26.0 20.6 30.8



#77
Benzidine
Concen: 4.365 ng
RT: 20.257 min Scan# 2888
Delta R.T. 0.377 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion:184 Resp: 14234
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.4
183 6.1 9.4 14.0#

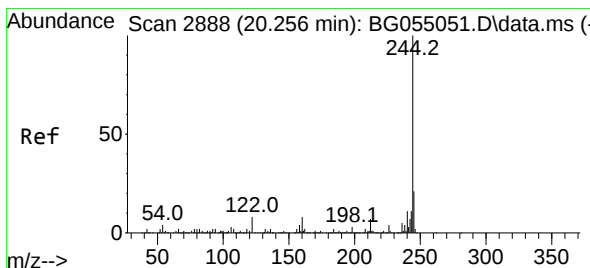
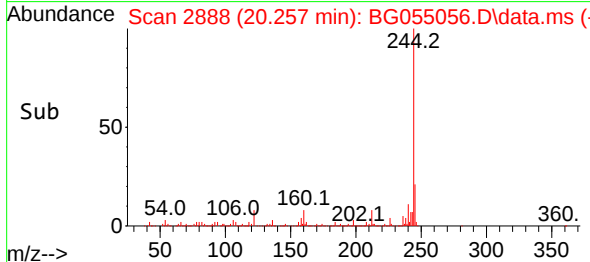
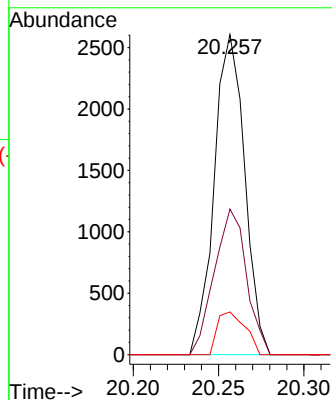
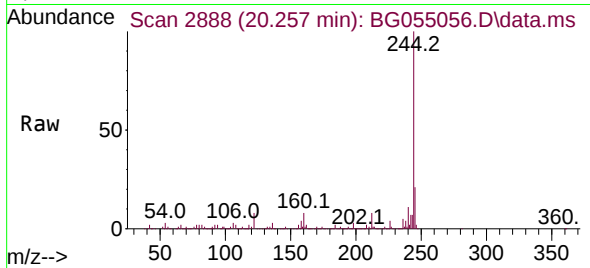




#78
 Pyrene
 Concen: 0.257 ng
 RT: 20.257 min Scan# 2888
 Delta R.T. 0.183 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09

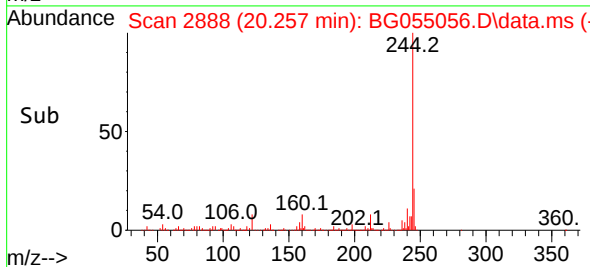
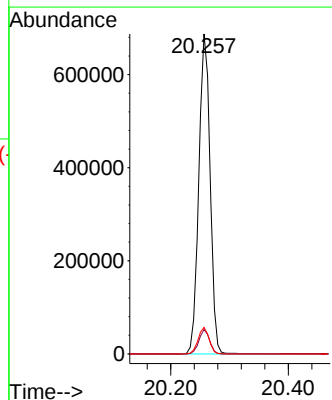
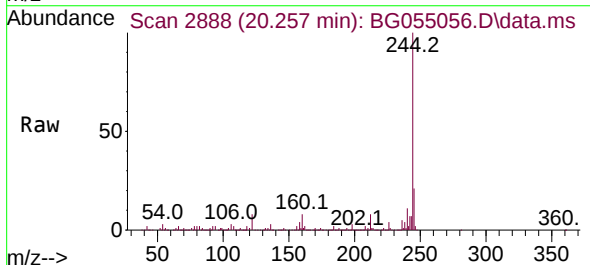
Instrument :
 BNA_G
 ClientSampleId :
 PB148034BL

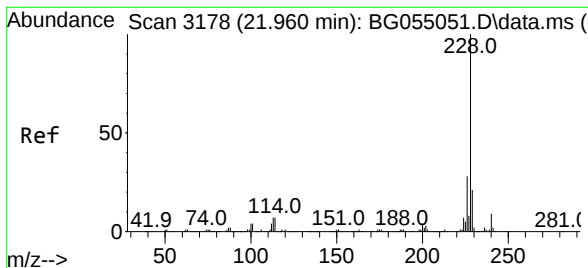
Tgt Ion:202 Resp: 3236
 Ion Ratio Lower Upper
 202 100
 200 45.5 16.6 25.0#
 203 13.3 14.0 21.0#



#79
 Terphenyl-d14
 Concen: 97.584 ng
 RT: 20.257 min Scan# 2888
 Delta R.T. 0.001 min
 Lab File: BG055056.D
 Acq: 3 Oct 2022 23:09

Tgt Ion:244 Resp: 913925
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 8.3 6.6 10.0





#81

Benzo(a)anthracene

Concen: 0.044 ng

RT: 21.966 min Scan# 3179

Delta R.T. 0.006 min

Lab File: BG055056.D

Acq: 3 Oct 2022 23:09

Instrument :

BNA_G

ClientSampleId :

PB148034BL

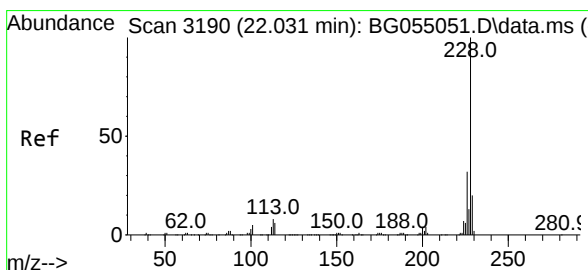
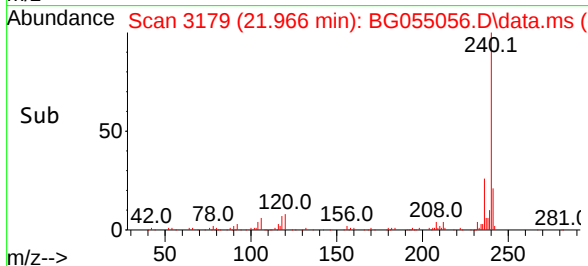
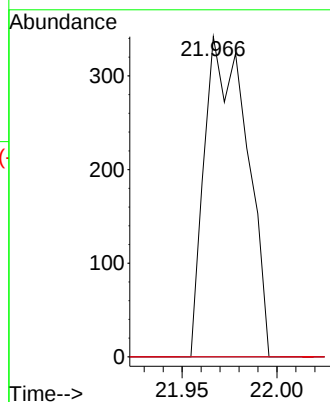
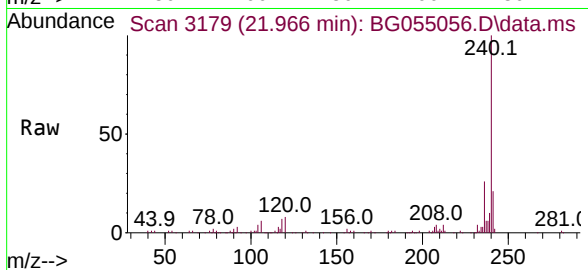
Tgt Ion:228 Resp: 529

Ion Ratio Lower Upper

228 100

226 0.0 22.4 33.6#

229 0.0 16.7 25.1#



#83

Chrysene

Concen: 0.046 ng

RT: 21.966 min Scan# 3179

Delta R.T. -0.064 min

Lab File: BG055056.D

Acq: 3 Oct 2022 23:09

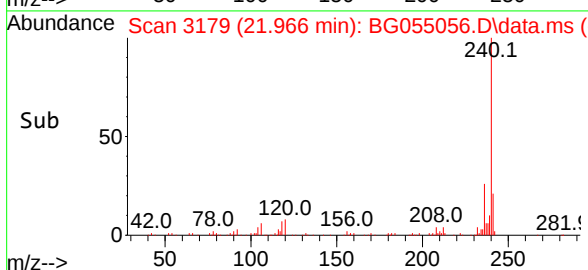
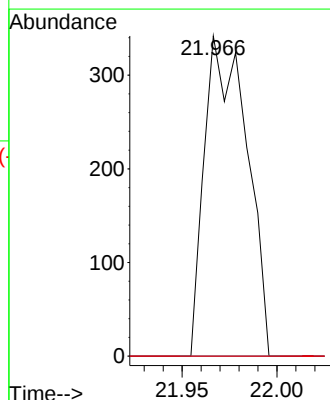
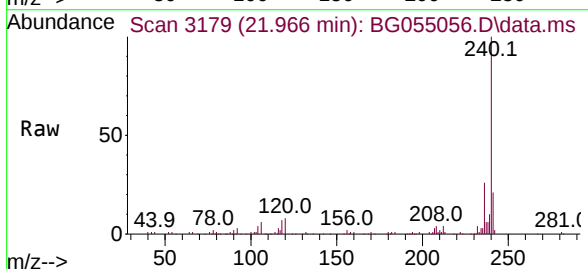
Tgt Ion:228 Resp: 529

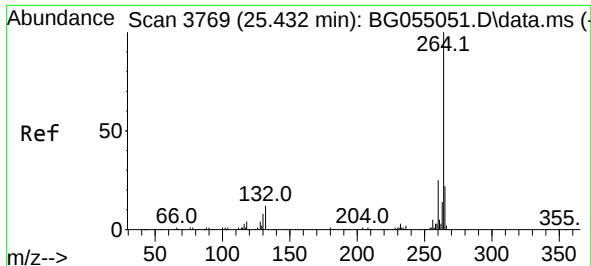
Ion Ratio Lower Upper

228 100

226 0.0 25.3 37.9#

229 0.0 16.1 24.1#

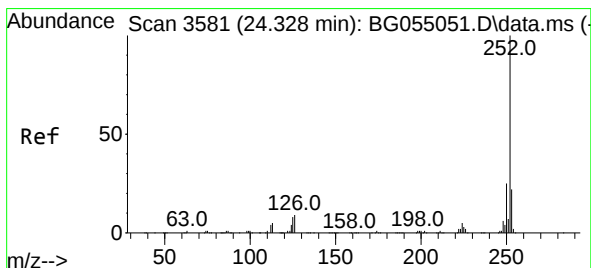
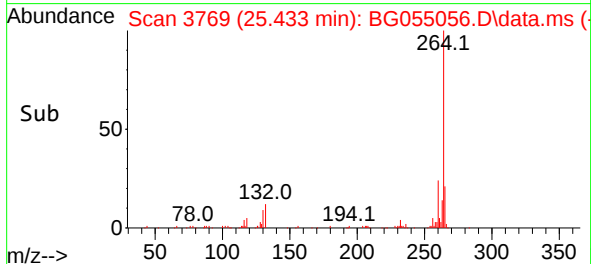
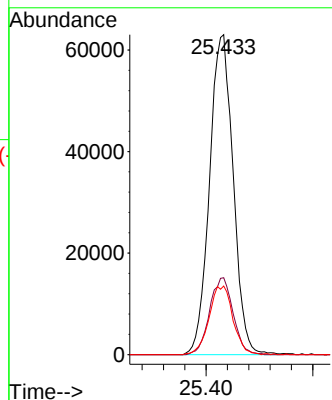
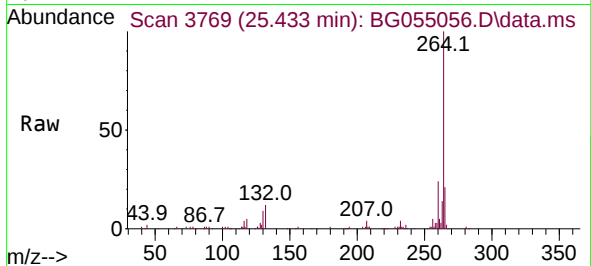




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.433 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

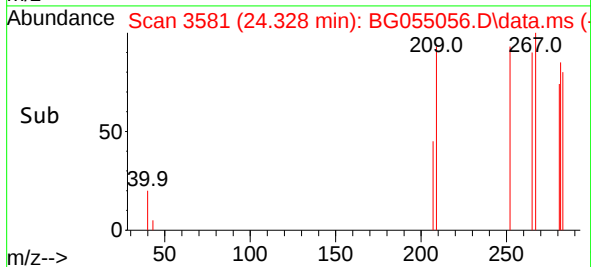
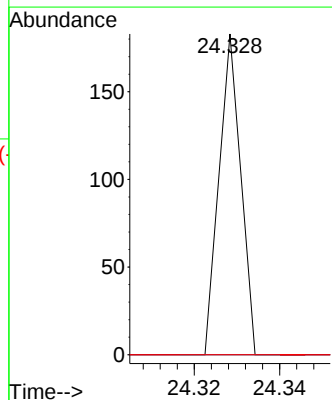
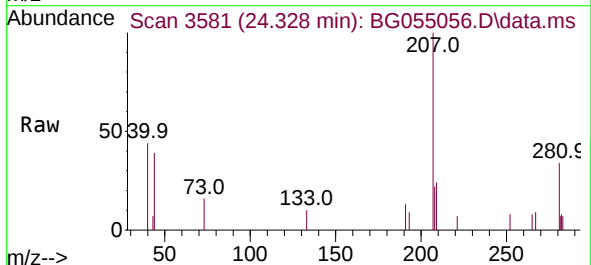
Instrument :
BNA_G
ClientSampleId :
PB148034BL

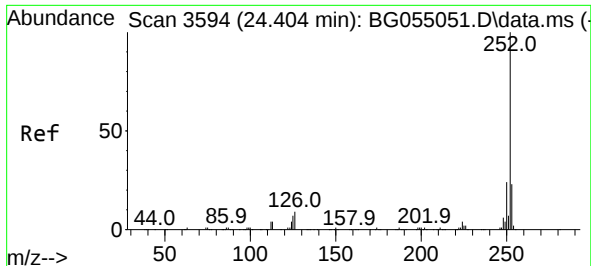
Tgt Ion:264 Resp: 194003
Ion Ratio Lower Upper
264 100
260 24.0 19.7 29.5
265 21.4 17.8 26.6



#88
Benzo(b)fluoranthene
Concen: 0.006 ng
RT: 24.328 min Scan# 3581
Delta R.T. 0.001 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion:252 Resp: 65
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 0.0 6.1 9.1#

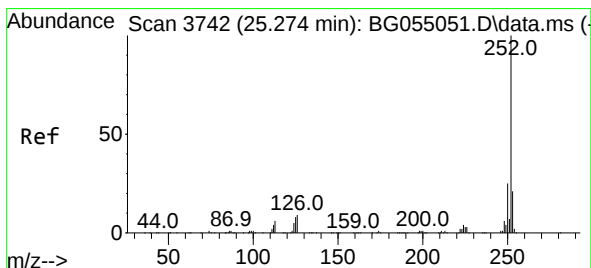
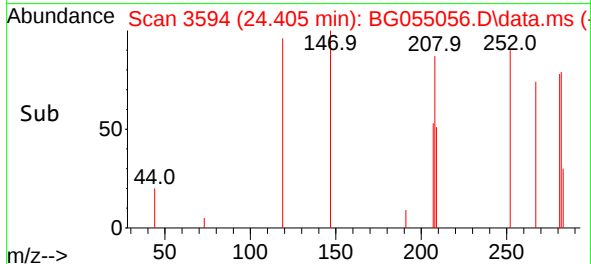
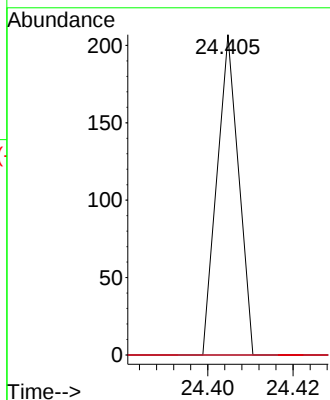
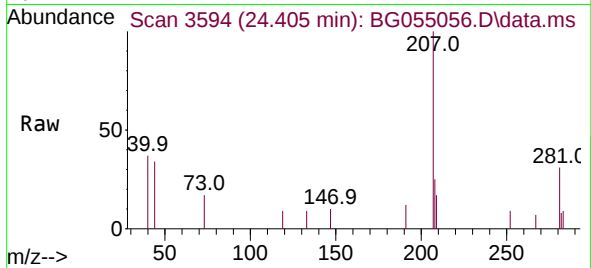




#89
Benzo(k)fluoranthene
Concen: 0.006 ng
RT: 24.405 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Instrument :
BNA_G
ClientSampleId :
PB148034BL

Tgt Ion:252 Resp: 73
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 0.0 5.8 8.6#



#90
Benzo(a)pyrene
Concen: 0.061 ng
RT: 25.433 min Scan# 3769
Delta R.T. 0.159 min
Lab File: BG055056.D
Acq: 3 Oct 2022 23:09

Tgt Ion:252 Resp: 597
Ion Ratio Lower Upper
252 100
253 0.0 16.9 25.3#
125 0.0 6.6 9.8#

