

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054595.D
 Acq On : 10 Aug 2022 19:35
 Operator : CG/JU
 Sample : N3971-23
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GES-2R

Quant Time: Aug 10 21:45:57 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)

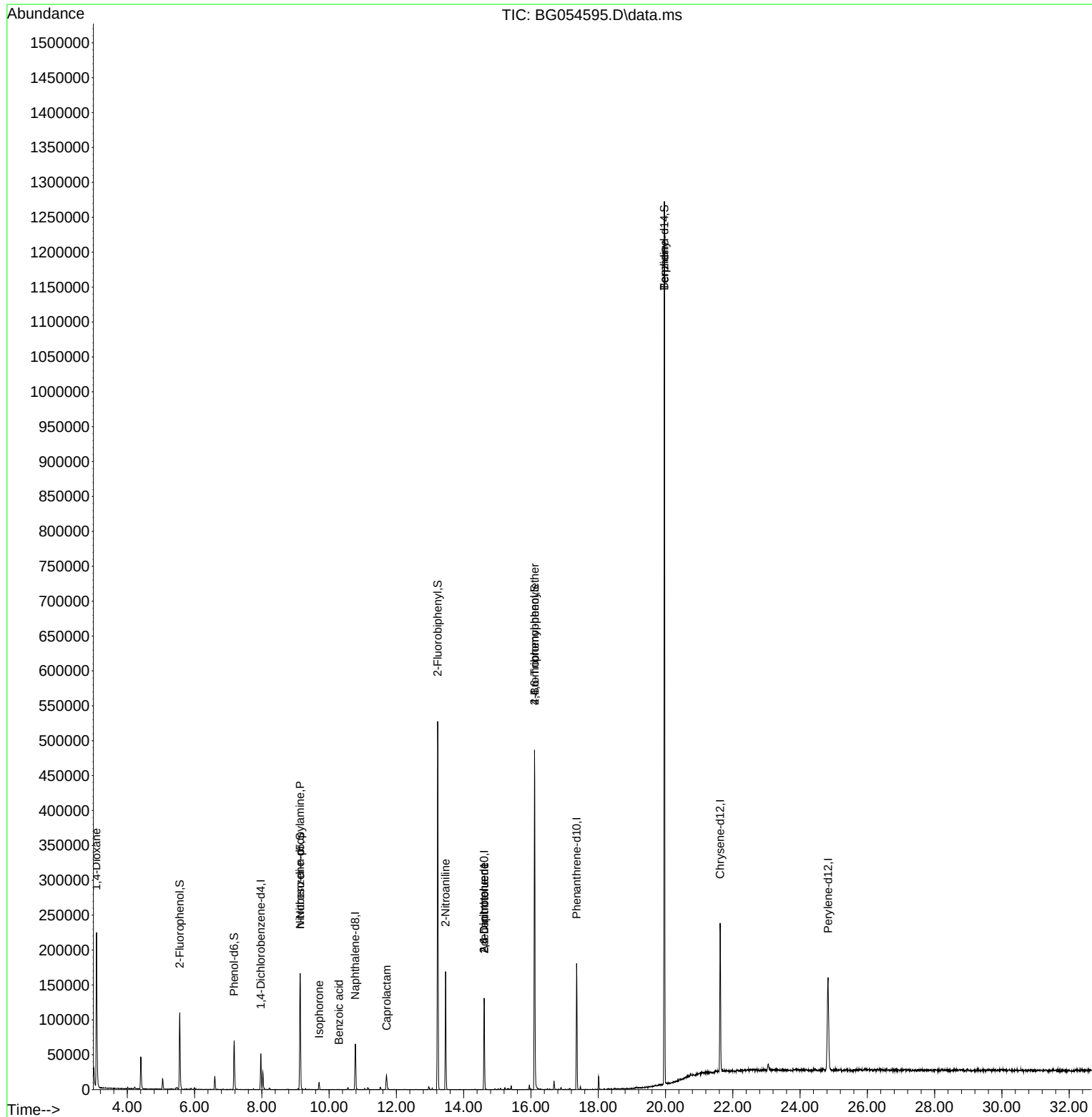
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	15828	20.000	ng	0.00
21) Naphthalene-d8	10.779	136	62812	20.000	ng	# 0.00
39) Acenaphthene-d10	14.610	164	50245	20.000	ng	0.00
64) Phenanthrene-d10	17.359	188	132496	20.000	ng	# 0.00
76) Chrysene-d12	21.625	240	150904	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	158833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	52354	69.061	ng	0.00
7) Phenol-d6	7.177	99	42359	40.778	ng	0.00
23) Nitrobenzene-d5	9.139	82	104031	90.193	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	132494	125.592	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	307203	86.251	ng	0.00
79) Terphenyl-d14	19.968	244	724646	95.263	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.082	88	2395	7.941	ng	# 1
19) n-Nitroso-di-n-propyla...	9.139	70	15001	21.626	ng	# 81
25) Isophorone	9.704	82	7642	3.810	ng	# 86
32) Benzoic acid	10.297	122	121	7.995	ng	# 1
35) Caprolactam	11.707	113	4449	14.914	ng	# 89
48) 2-Nitroaniline	13.464	65	5218	6.950	ng	# 22
51) 2,6-Dinitrotoluene	14.610	165	6489	7.538	ng	# 16
57) 2,4-Dinitrotoluene	14.610	165	6489	5.258	ng	# 21
67) 4-Bromophenyl-phenylether	16.108	248	7837	4.212	ng	# 1
77) Benzidine	19.968	184	9584	3.507	ng	# 88

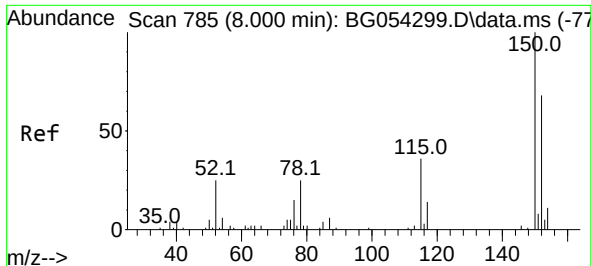
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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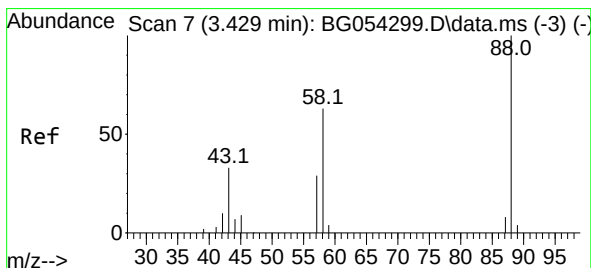
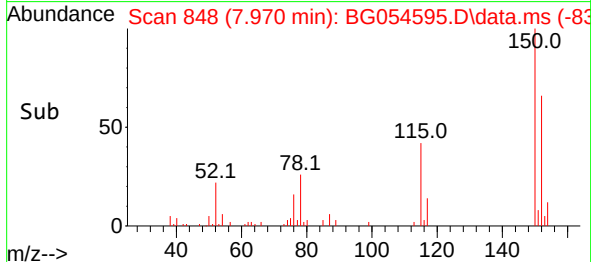
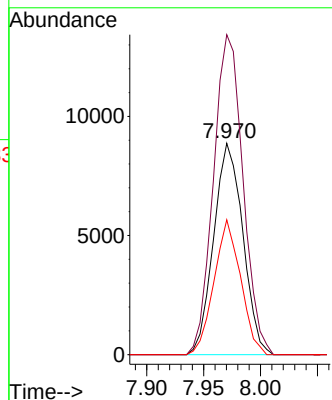
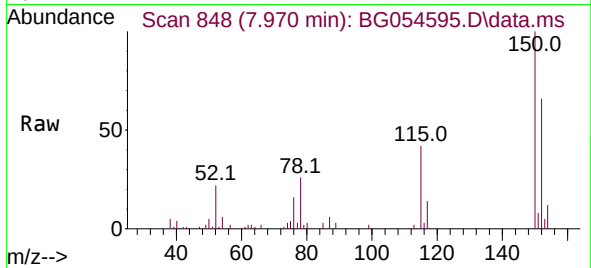




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.970 min Scan# 84
 Delta R.T. -0.002 min
 Lab File: BG054595.D
 Acq: 10 Aug 2022 19:35

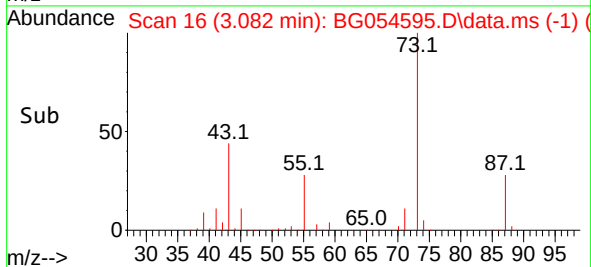
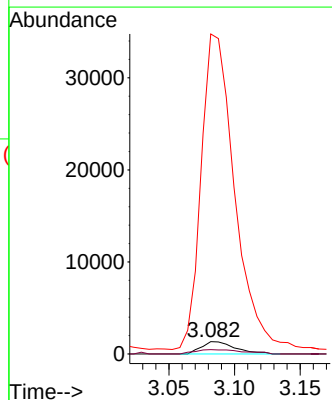
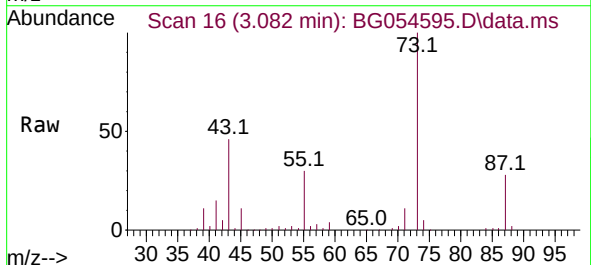
Instrument :
 BNA_G
 ClientSampleId :
 GES-2R

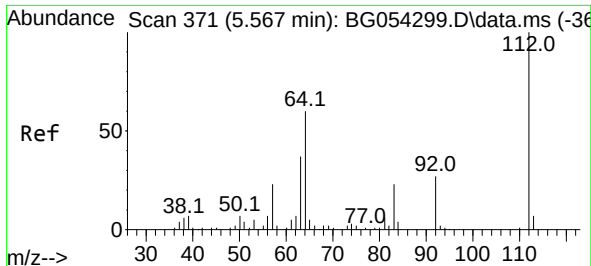
Tgt Ion:152 Resp: 15828
 Ion Ratio Lower Upper
 152 100
 150 151.4 131.6 197.4
 115 63.8 50.9 76.3



#2
 1,4-Dioxane
 Concen: 7.941 ng
 RT: 3.082 min Scan# 16
 Delta R.T. -0.313 min
 Lab File: BG054595.D
 Acq: 10 Aug 2022 19:35

Tgt Ion: 88 Resp: 2395
 Ion Ratio Lower Upper
 88 100
 58 50.2 59.2 88.8#
 43 2644.9 24.3 36.5#

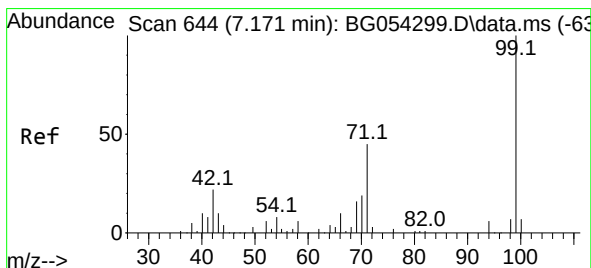
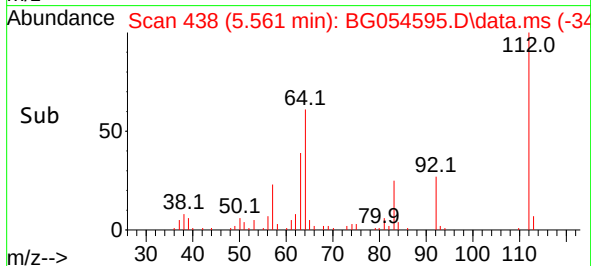
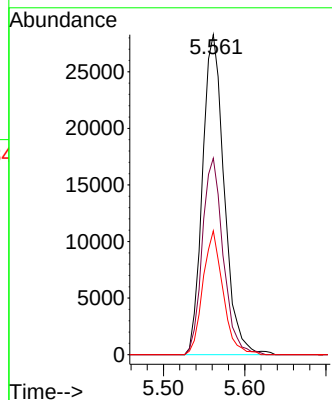
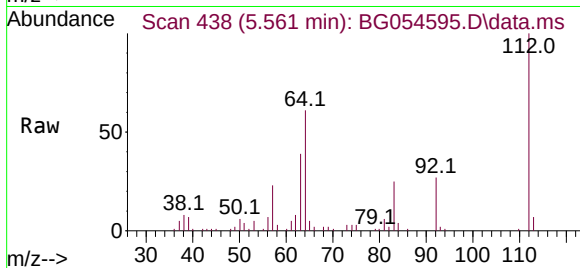




#5
2-Fluorophenol
Concen: 69.061 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

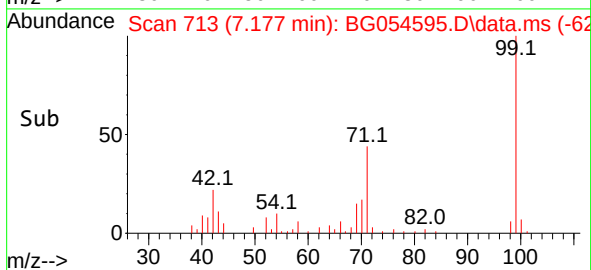
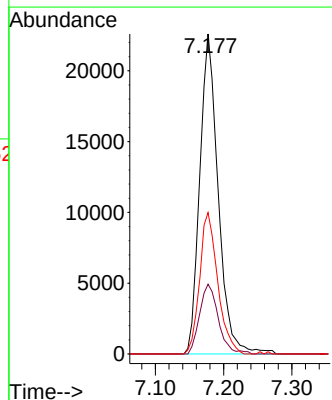
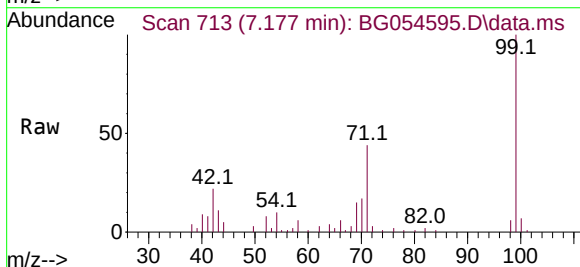
Instrument :
BNA_G
ClientSampleId :
GES-2R

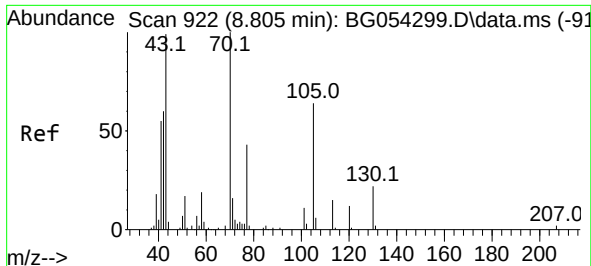
Tgt Ion:112 Resp: 52354
Ion Ratio Lower Upper
112 100
64 61.4 55.1 82.7
63 38.7 30.4 45.6



#7
Phenol-d6
Concen: 40.778 ng
RT: 7.177 min Scan# 713
Delta R.T. -0.002 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

Tgt Ion: 99 Resp: 42359
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 44.2 33.8 50.8

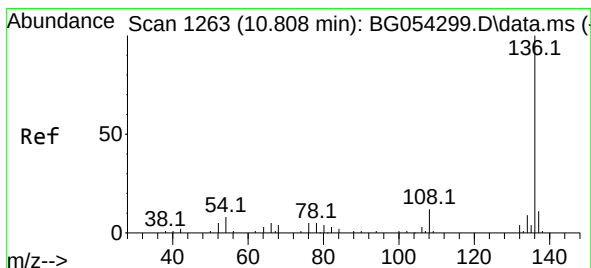
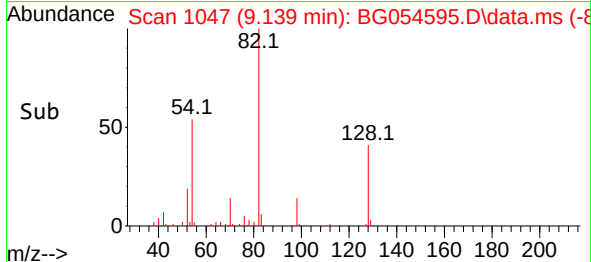
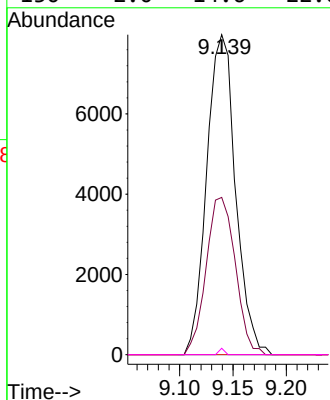
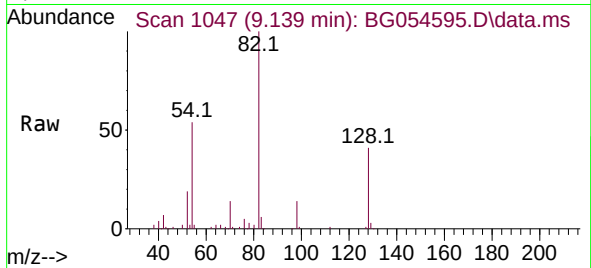




#19
n-Nitroso-di-n-propylamine
Concen: 21.626 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.356 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

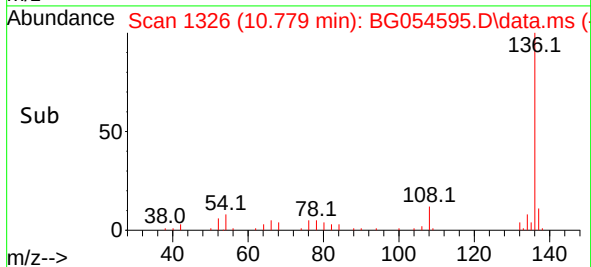
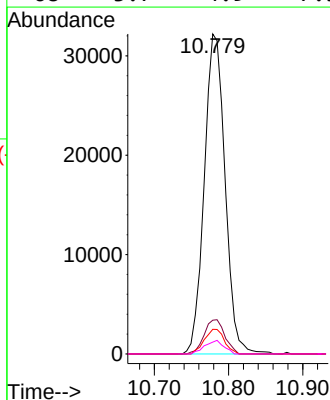
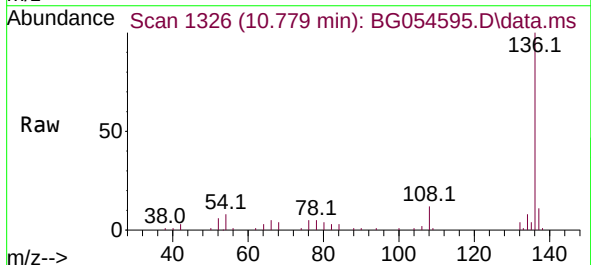
Instrument :
BNA_G
ClientSampleId :
GES-2R

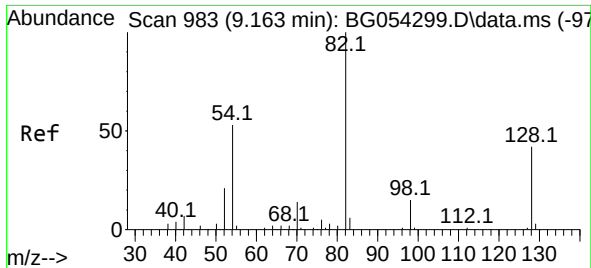
Tgt Ion: 70	Resp: 15001
Ion Ratio	Lower Upper
70	100
42	49.1 47.3 70.9
101	0.0 7.0 10.4#
130	2.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.779 min Scan# 1326
Delta R.T. -0.008 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

Tgt Ion: 136	Resp: 62812
Ion Ratio	Lower Upper
136	100
137	10.6 8.5 12.7
54	7.7 7.4 11.2
68	3.7 4.9 7.3#

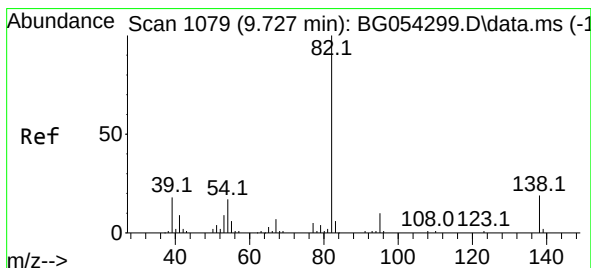
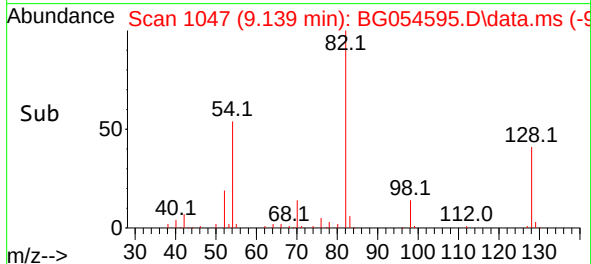
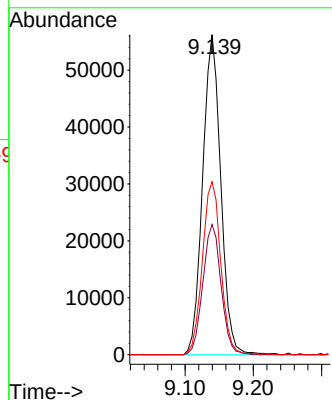
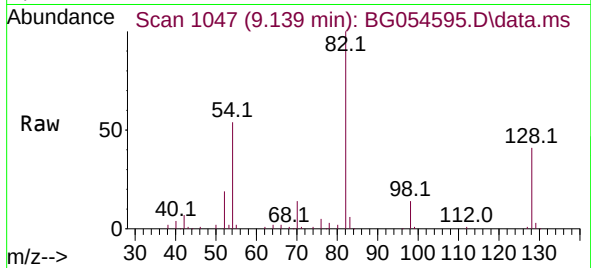




#23
Nitrobenzene-d5
Concen: 90.193 ng
RT: 9.139 min Scan# 1143
Delta R.T. -0.002 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

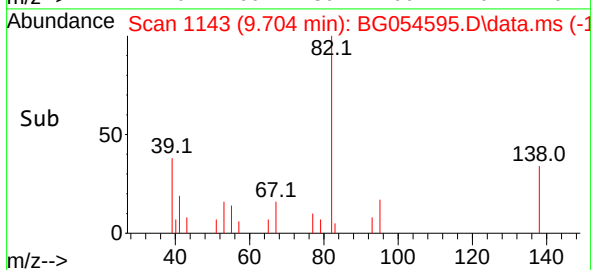
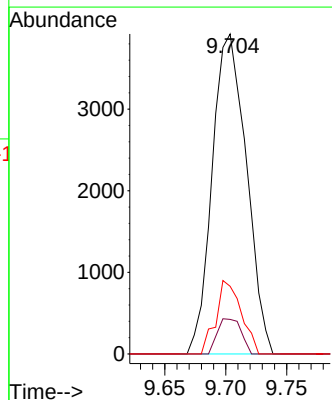
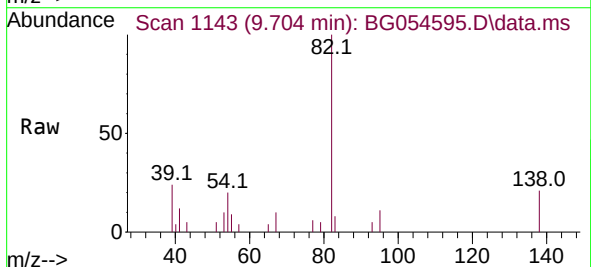
Instrument :
BNA_G
ClientSampleId :
GES-2R

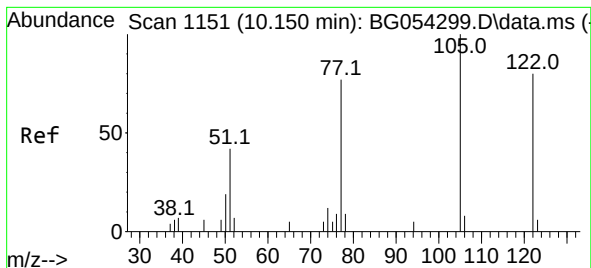
Tgt Ion: 82 Resp: 104031
Ion Ratio Lower Upper
82 100
128 40.7 27.9 41.9
54 54.1 41.2 61.8



#25
Isophorone
Concen: 3.810 ng
RT: 9.704 min Scan# 1143
Delta R.T. -0.002 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

Tgt Ion: 82 Resp: 7642
Ion Ratio Lower Upper
82 100
95 10.8 6.2 9.4#
138 21.2 11.6 17.4#





#32

Benzoic acid

Concen: 7.995 ng

RT: 10.297 min Scan# 1151

Delta R.T. 0.151 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

Instrument :

BNA_G

ClientSampleId :

GES-2R

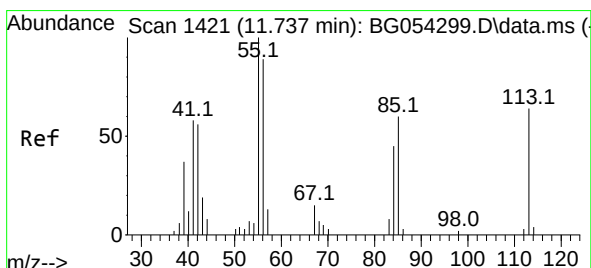
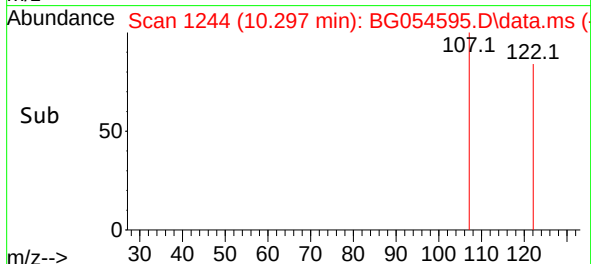
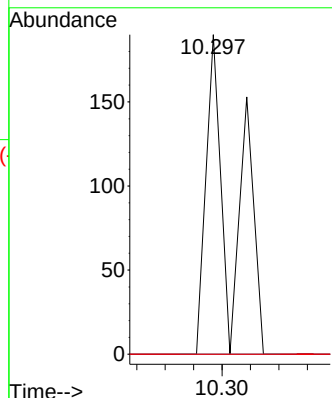
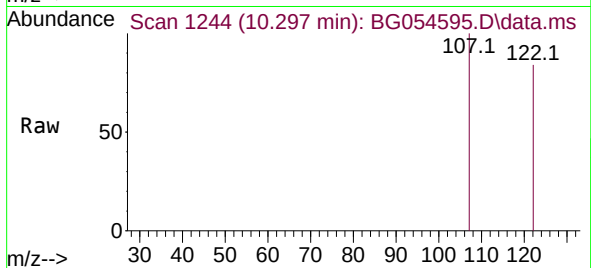
Tgt Ion:122 Resp: 121

Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#



#35

Caprolactam

Concen: 14.914 ng

RT: 11.707 min Scan# 1484

Delta R.T. -0.020 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

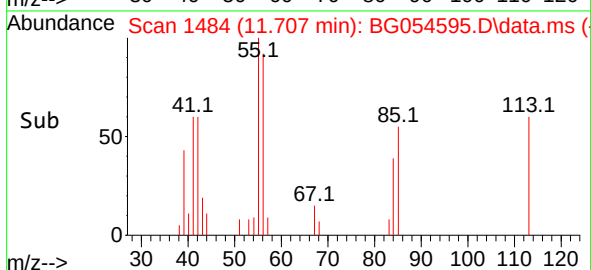
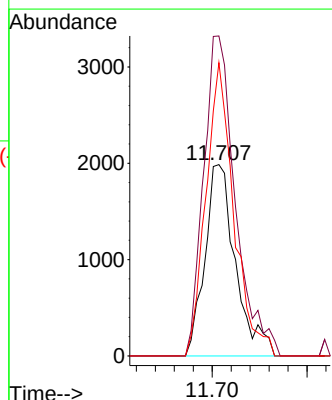
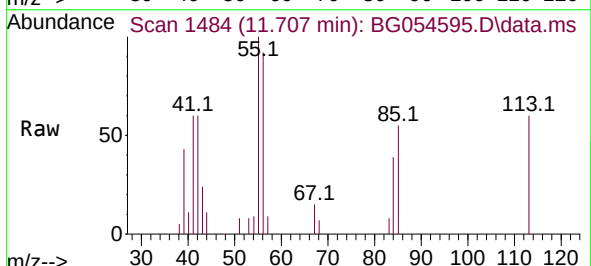
Tgt Ion:113 Resp: 4449

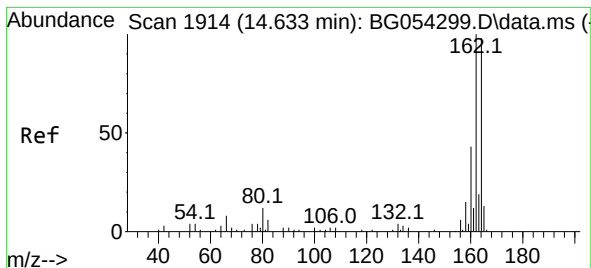
Ion Ratio Lower Upper

113 100

55 167.2 169.8 209.8#

56 153.2 141.2 181.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

Instrument :

BNA_G

ClientSampleId :

GES-2R

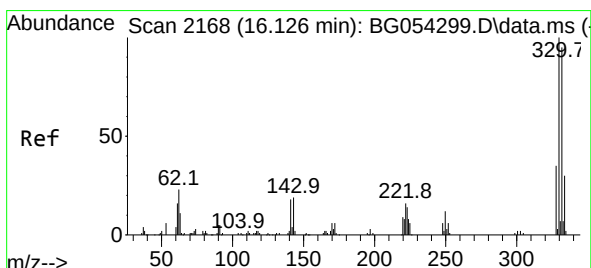
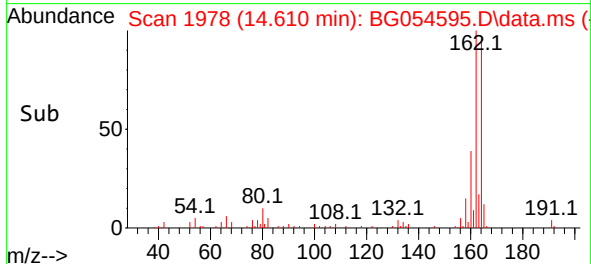
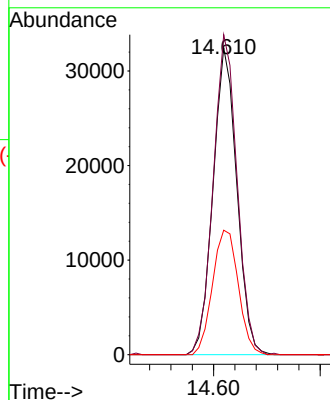
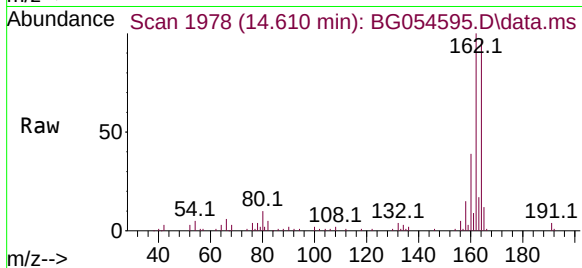
Tgt Ion:164 Resp: 50245

Ion Ratio Lower Upper

164 100

162 104.3 82.3 123.5

160 40.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 125.592 ng

RT: 16.108 min Scan# 2233

Delta R.T. -0.008 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

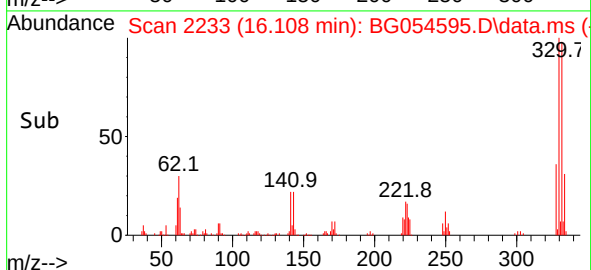
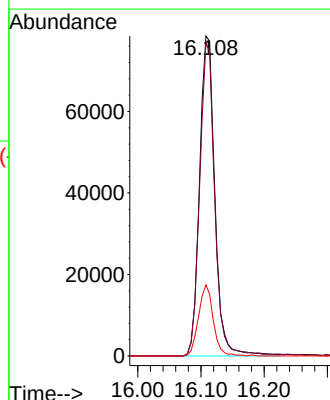
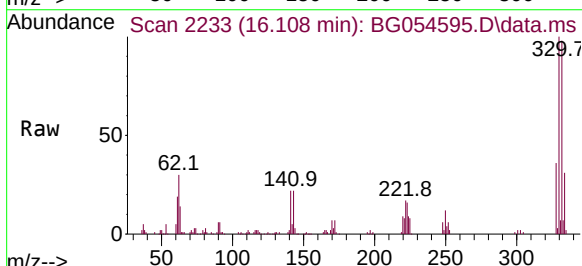
Tgt Ion:330 Resp: 132494

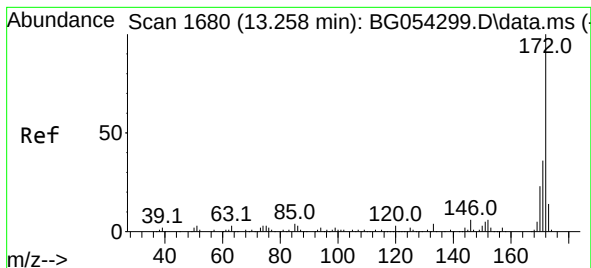
Ion Ratio Lower Upper

330 100

332 95.3 76.0 114.0

141 21.2 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 86.251 ng

RT: 13.229 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

Instrument :

BNA_G

ClientSampleId :

GES-2R

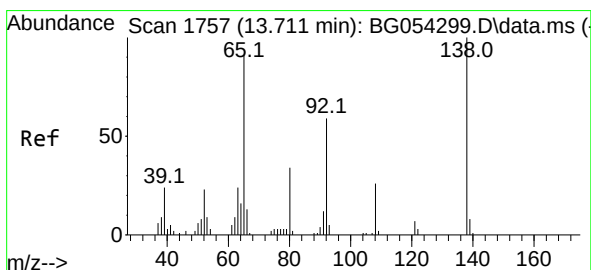
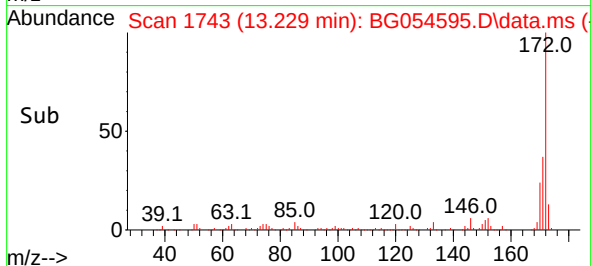
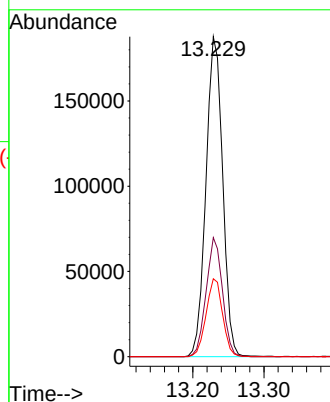
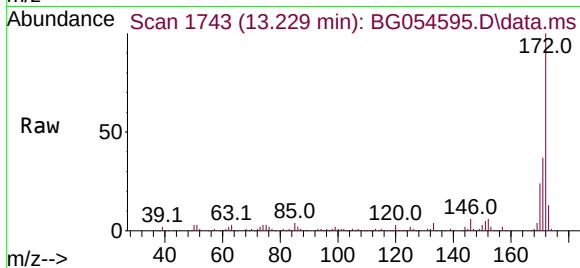
Tgt Ion:172 Resp: 307203

Ion Ratio Lower Upper

172 100

171 37.2 28.5 42.7

170 24.3 18.9 28.3



#48

2-Nitroaniline

Concen: 6.950 ng

RT: 13.464 min Scan# 1783

Delta R.T. -0.237 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

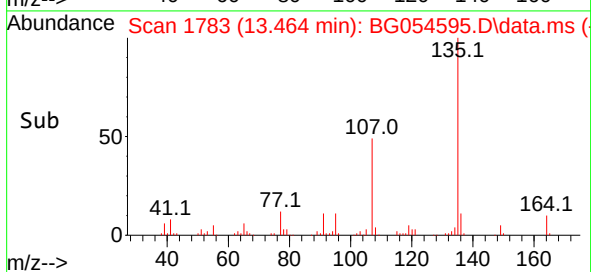
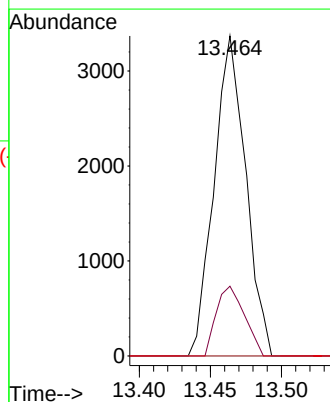
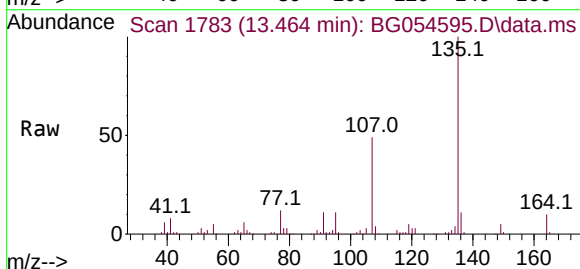
Tgt Ion: 65 Resp: 5218

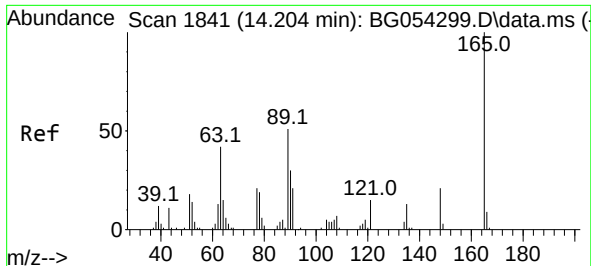
Ion Ratio Lower Upper

65 100

92 21.8 51.5 77.3#

138 0.0 71.3 106.9#

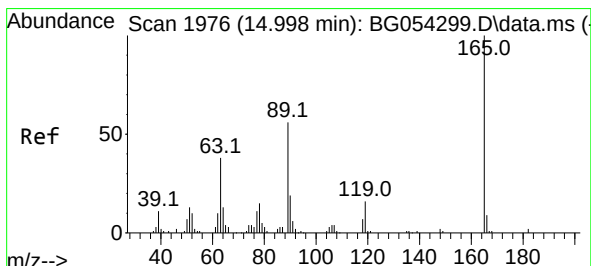
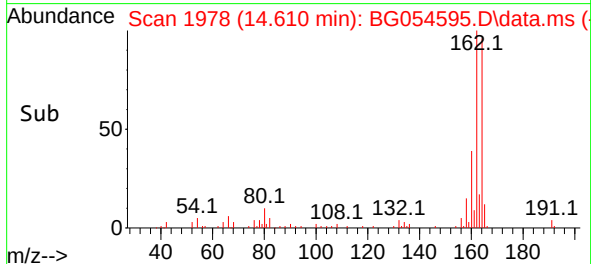
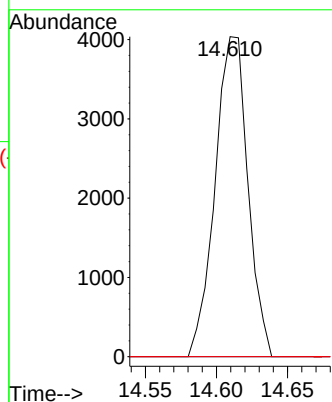
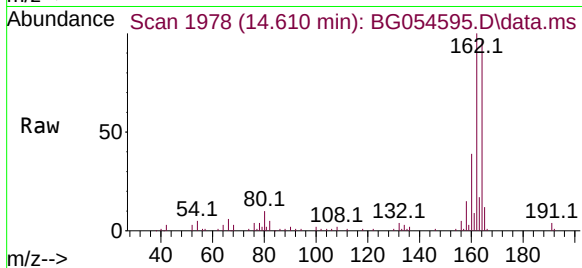




#51
2,6-Dinitrotoluene
Concen: 7.538 ng
RT: 14.610 min Scan# 1978
Delta R.T. 0.415 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

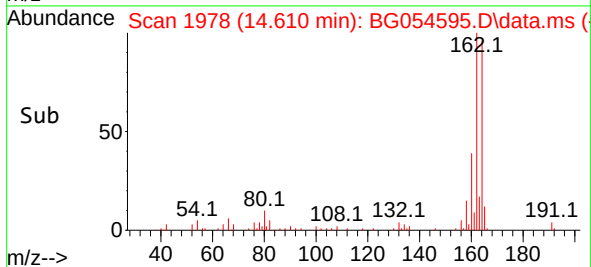
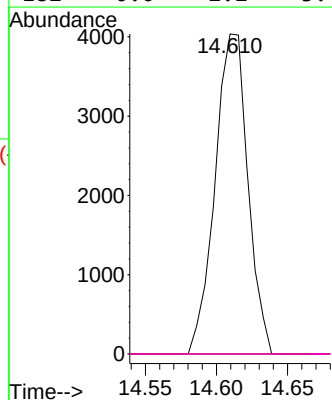
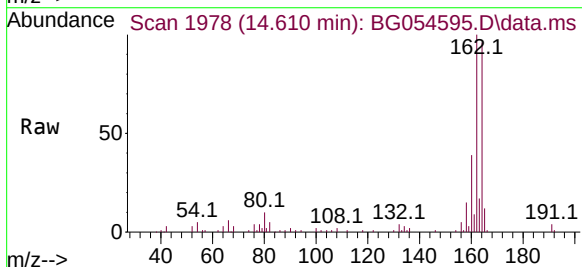
Instrument :
BNA_G
ClientSampleId :
GES-2R

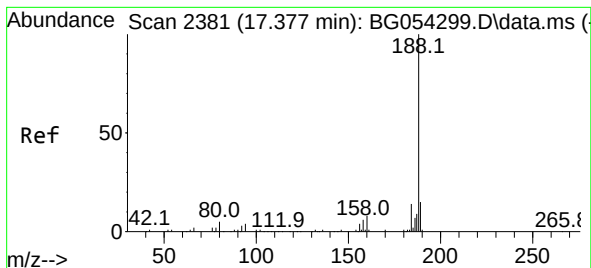
Tgt Ion:165 Resp: 6489
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.258 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.384 min
Lab File: BG054595.D
Acq: 10 Aug 2022 19:35

Tgt Ion:165 Resp: 6489
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: 17.359 min Scan# 2446

Delta R.T. -0.002 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

Instrument :

BNA_G

ClientSampleId :

GES-2R

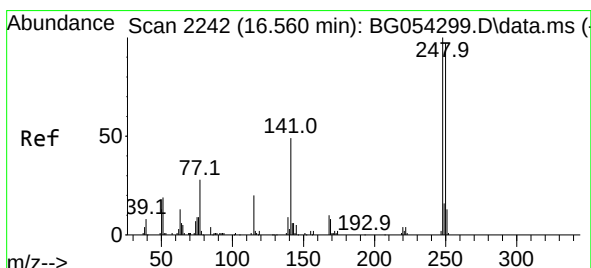
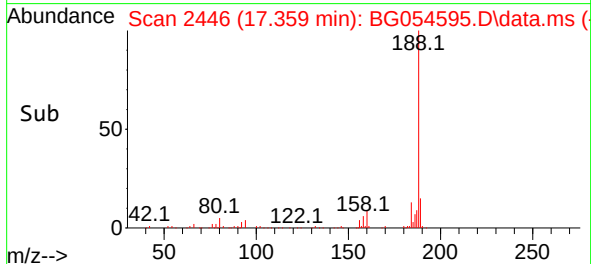
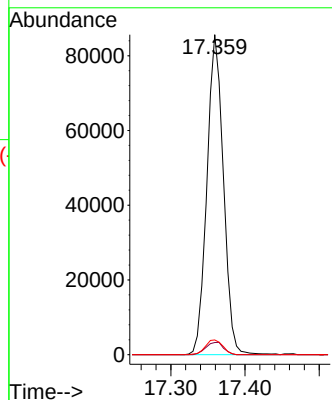
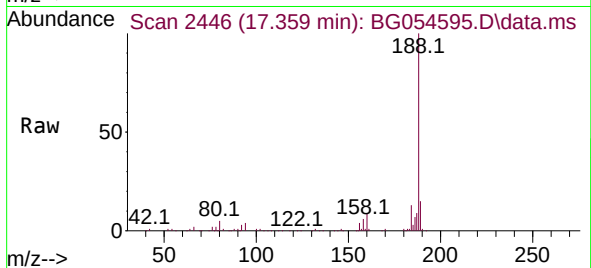
Tgt Ion:188 Resp: 132496

Ion Ratio Lower Upper

188 100

94 3.8 5.4 8.0#

80 4.6 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 4.212 ng

RT: 16.108 min Scan# 2233

Delta R.T. -0.437 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

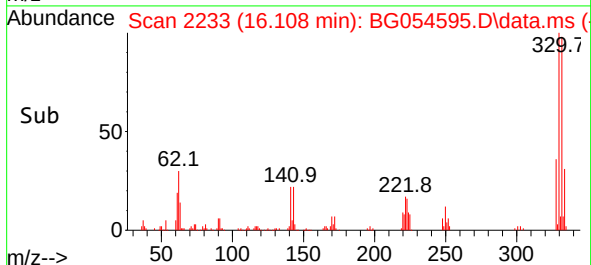
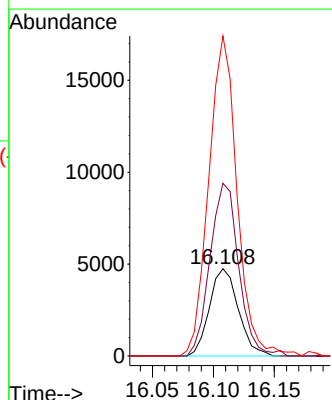
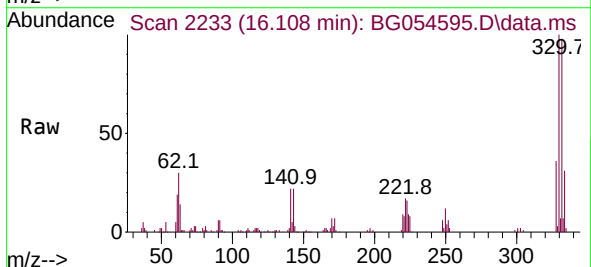
Tgt Ion:248 Resp: 7837

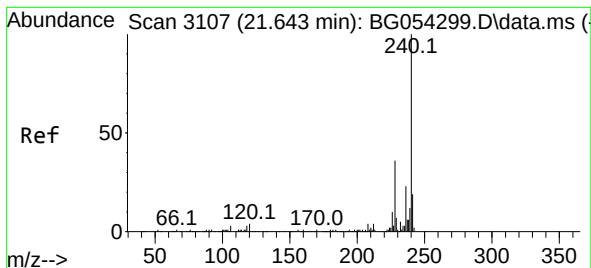
Ion Ratio Lower Upper

248 100

250 149.7 75.2 112.8#

141 277.5 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.625 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

Instrument :

BNA_G

ClientSampleId :

GES-2R

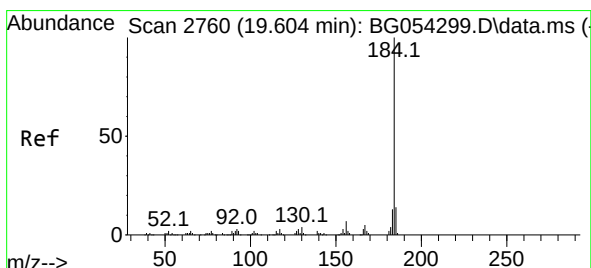
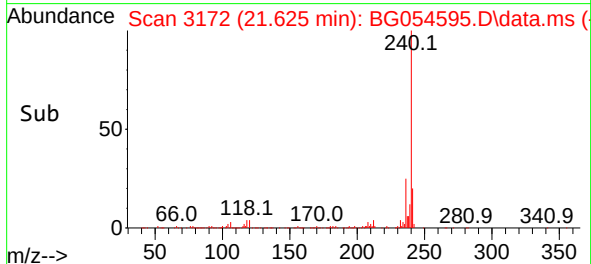
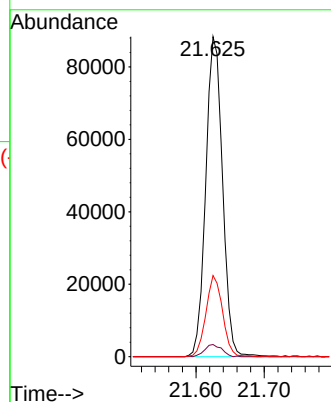
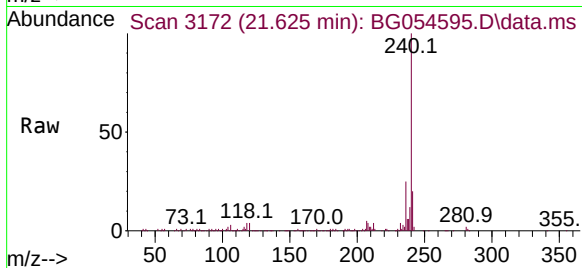
Tgt Ion:240 Resp: 150904

Ion Ratio Lower Upper

240 100

120 3.8 4.6 7.0#

236 25.3 20.2 30.4



#77

Benzidine

Concen: 3.507 ng

RT: 19.968 min Scan# 2890

Delta R.T. 0.374 min

Lab File: BG054595.D

Acq: 10 Aug 2022 19:35

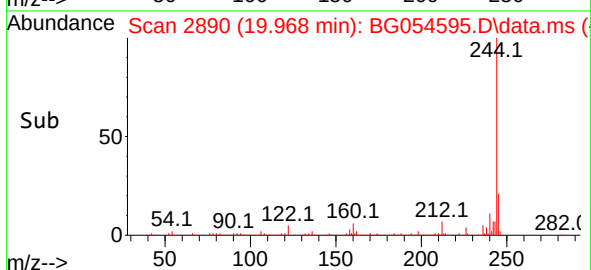
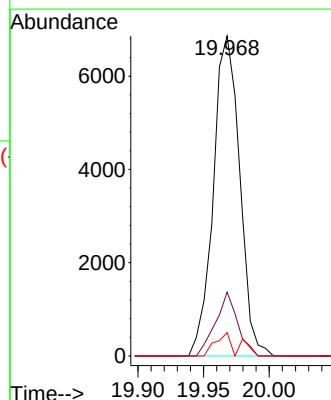
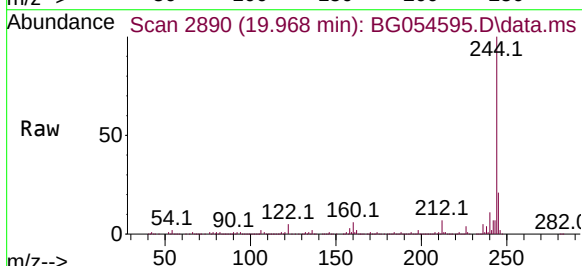
Tgt Ion:184 Resp: 9584

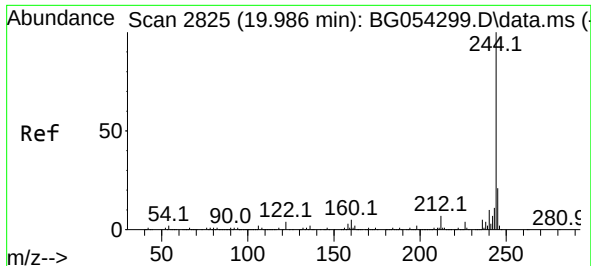
Ion Ratio Lower Upper

184 100

185 19.9 11.8 17.6#

183 7.3 8.9 13.3#

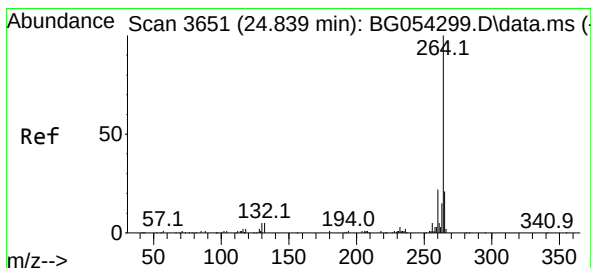
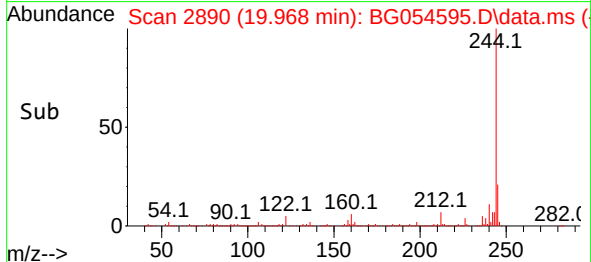
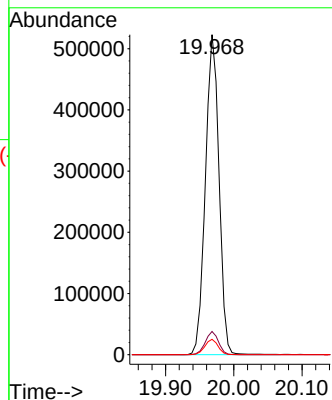
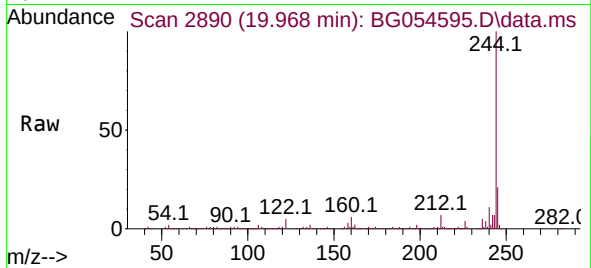




#79
 Terphenyl-d14
 Concen: 95.263 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054595.D
 Acq: 10 Aug 2022 19:35

Instrument :
 BNA_G
 ClientSampleId :
 GES-2R

Tgt Ion:244 Resp: 724646
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.8 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: BG054595.D
 Acq: 10 Aug 2022 19:35

Tgt Ion:264 Resp: 158833
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 22.5 17.4 26.2

