

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
 Data File : BG056591.D
 Acq On : 8 Feb 2023 21:23
 Operator : CG/JU
 Sample : 01481-11 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-46-020723

Quant Time: Feb 09 02:09:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

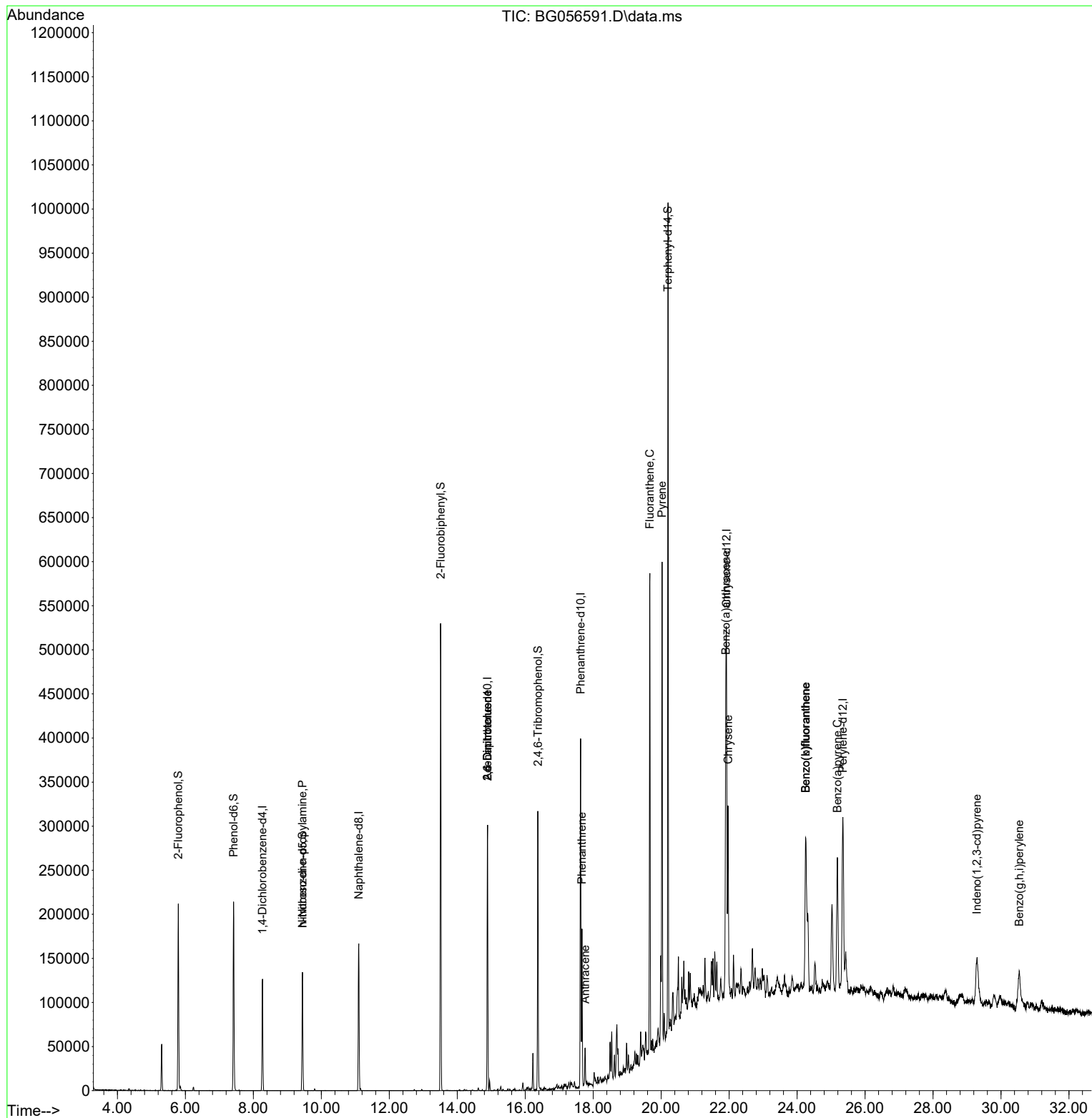
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	42618	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	161708	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	116490	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	268694	20.000	ng	0.00
76) Chrysene-d12	21.925	240	240928	20.000	ng	0.00
86) Perylene-d12	25.350	264	262766	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	125031	53.969	ng	0.00
7) Phenol-d6	7.418	99	172981	50.393	ng	0.00
23) Nitrobenzene-d5	9.445	82	93479	32.826	ng	0.00
42) 2,4,6-Tribromophenol	16.372	330	69273	44.731	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	305029	36.304	ng	0.00
79) Terphenyl-d14	20.203	244	488116	35.584	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.406	77	75	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.445	70	11428	5.777 ng	#	73
51) 2,6-Dinitrotoluene	14.892	165	15197	7.394 ng	#	36
57) 2,4-Dinitrotoluene	14.892	165	15197	5.249 ng	#	35
71) Phenanthrene	17.671	178	122358	8.701 ng		99
72) Anthracene	17.765	178	33232	2.302 ng		96
75) Fluoranthene	19.668	202	379170	21.363 ng		99
78) Pyrene	20.027	202	378771	22.105 ng		99
81) Benzo(a)anthracene	21.901	228	201571	11.967 ng		99
83) Chrysene	21.972	228	175468	11.089 ng		98
87) Indeno(1,2,3-cd)pyrene	29.292	276	112824	5.866 ng	#	92
88) Benzo(b)fluoranthene	24.251	252	254663	15.614 ng		99
89) Benzo(k)fluoranthene	24.251	252	254663	15.465 ng		99
90) Benzo(a)pyrene	25.186	252	198137	12.333 ng		99
92) Benzo(g,h,i)perylene	30.538	276	103026	6.613 ng		98

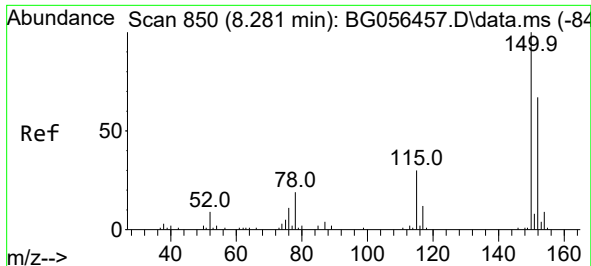
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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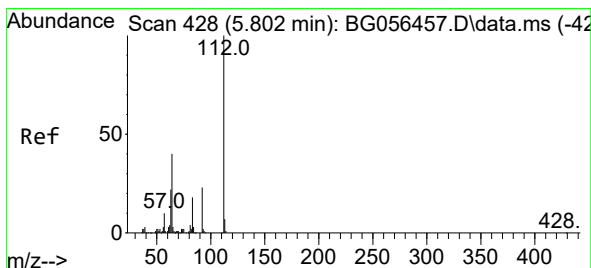
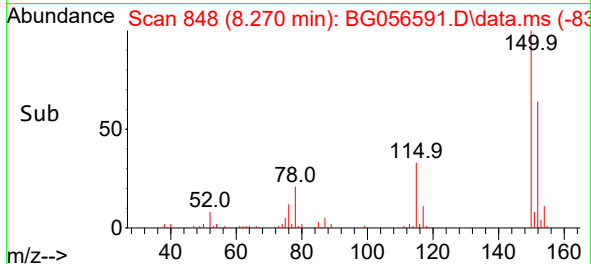
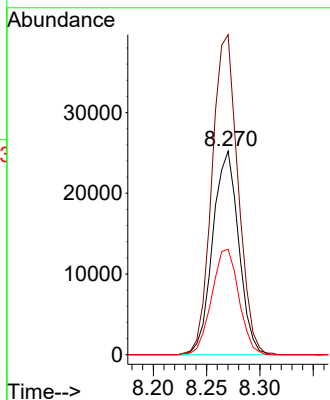
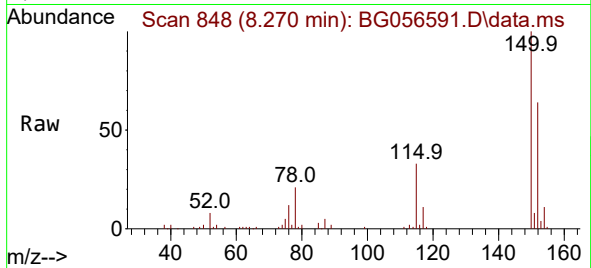




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

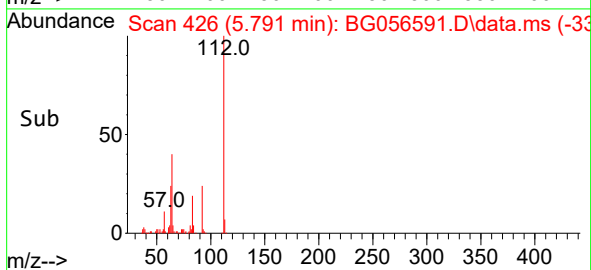
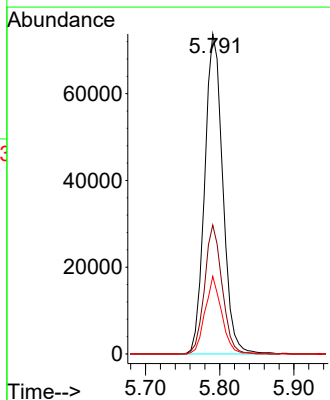
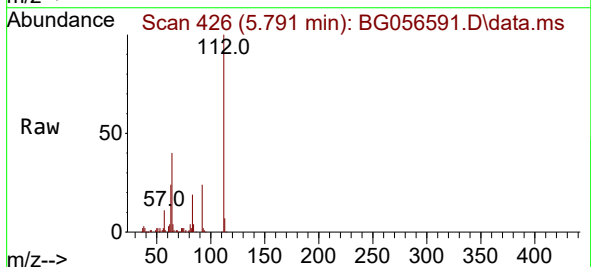
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

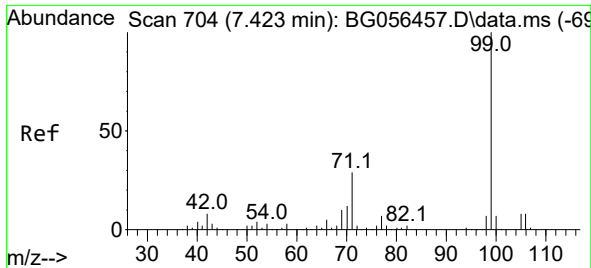
Tgt Ion:152 Resp: 42618
Ion Ratio Lower Upper
152 100
150 157.3 120.2 180.4
115 51.8 36.3 54.5



#5
2-Fluorophenol
Concen: 53.969 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion:112 Resp: 125031
Ion Ratio Lower Upper
112 100
64 40.3 31.9 47.9
63 24.2 17.4 26.0

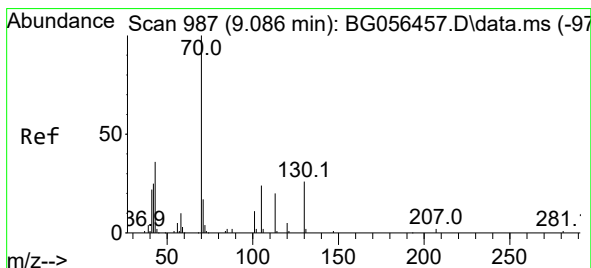
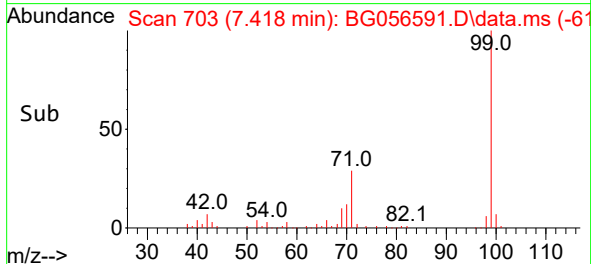
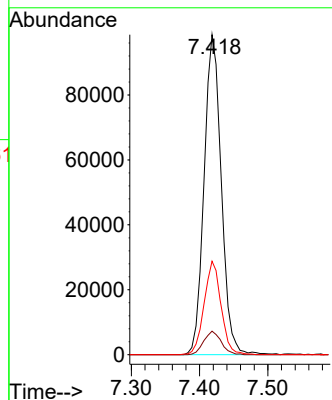
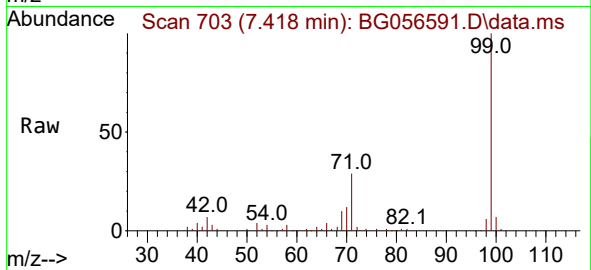




#7
Phenol-d6
Concen: 50.393 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

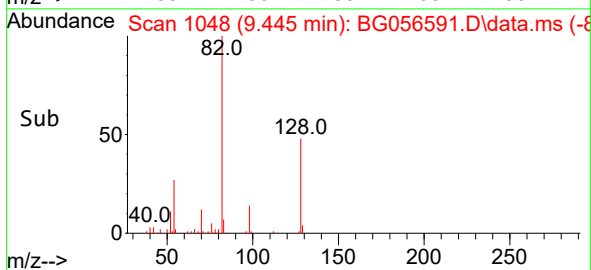
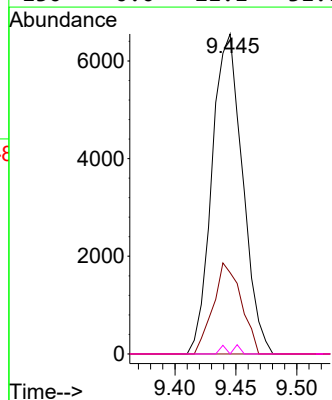
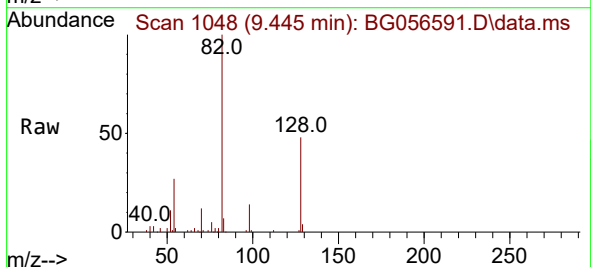
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

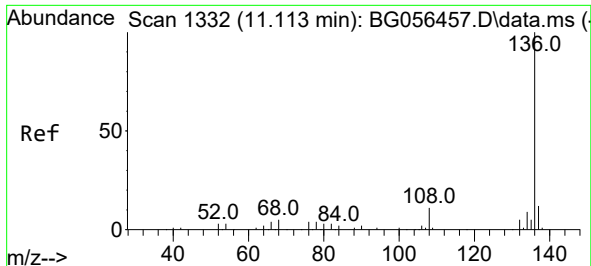
Tgt Ion: 99 Resp: 172981
Ion Ratio Lower Upper
99 100
42 7.4 6.6 10.0
71 29.2 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.777 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.371 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion: 70 Resp: 11428
Ion Ratio Lower Upper
70 100
42 25.4 20.2 30.4
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#

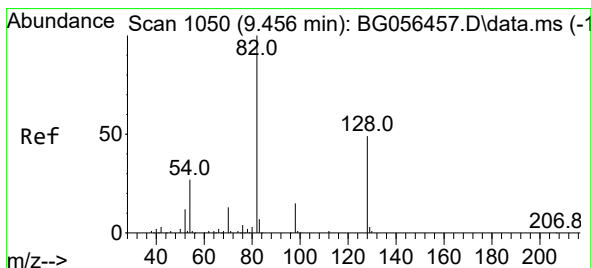
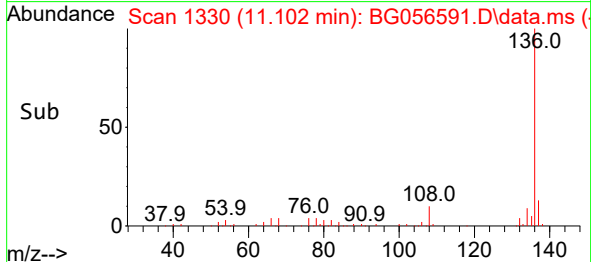
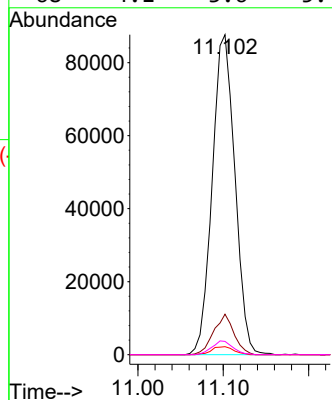
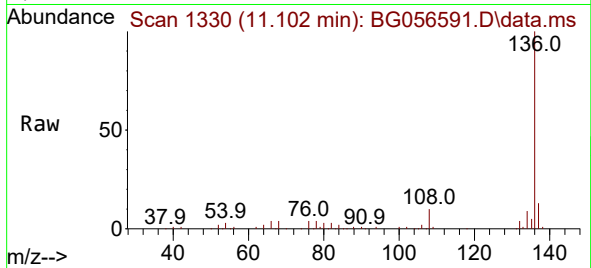




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

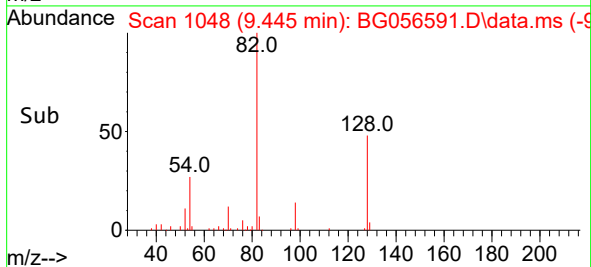
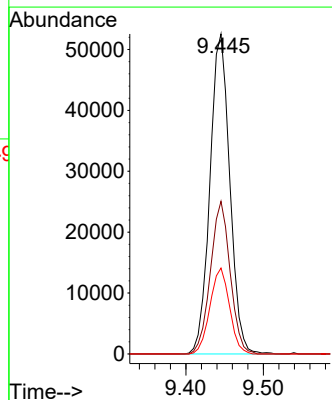
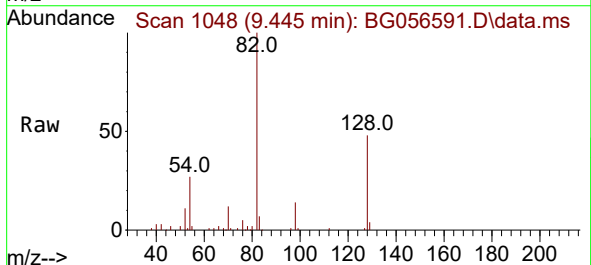
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

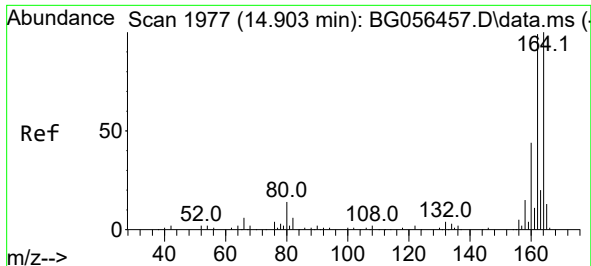
Tgt Ion:136 Resp: 161708
Ion Ratio Lower Upper
136 100
137 12.7 9.4 14.0
54 2.5 2.2 3.4
68 4.1 3.6 5.4



#23
Nitrobenzene-d5
Concen: 32.826 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion: 82 Resp: 93479
Ion Ratio Lower Upper
82 100
128 47.7 39.4 59.2
54 26.9 21.4 32.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.892 min Scan# 1975

Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

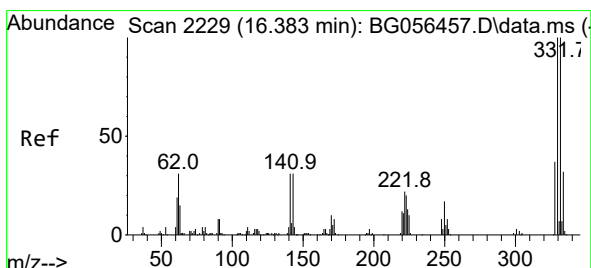
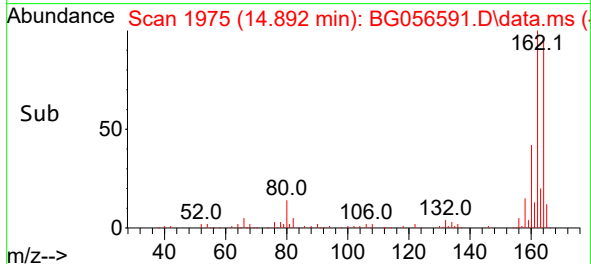
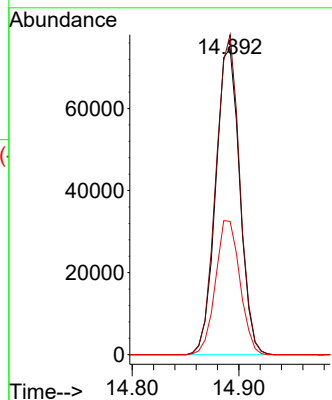
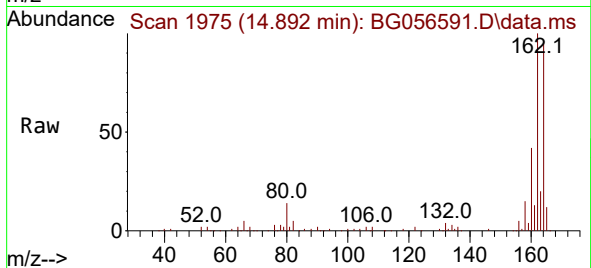
Tgt Ion:164 Resp: 116490

Ion Ratio Lower Upper

164 100

162 104.5 79.6 119.4

160 43.5 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 44.731 ng

RT: 16.372 min Scan# 2227

Delta R.T. -0.005 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

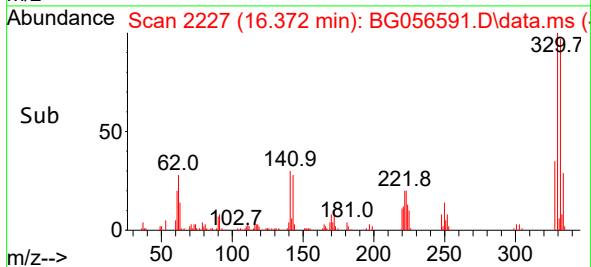
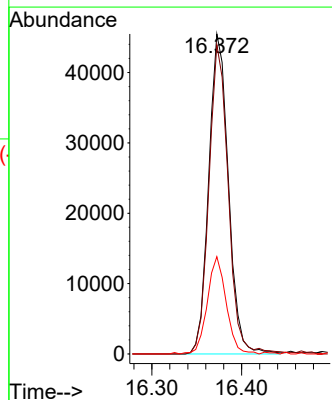
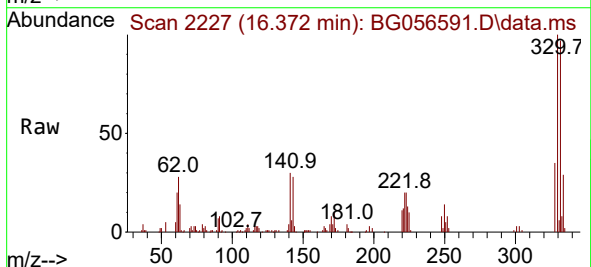
Tgt Ion:330 Resp: 69273

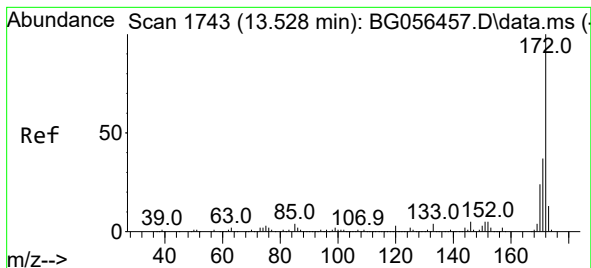
Ion Ratio Lower Upper

330 100

332 95.1 79.0 118.6

141 29.1 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 36.304 ng

RT: 13.511 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

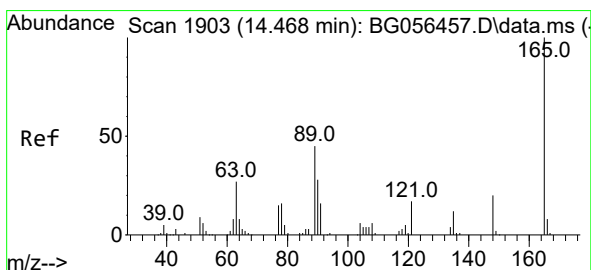
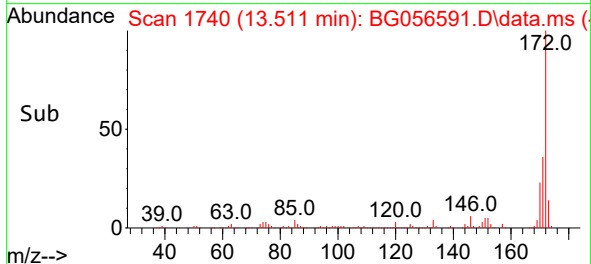
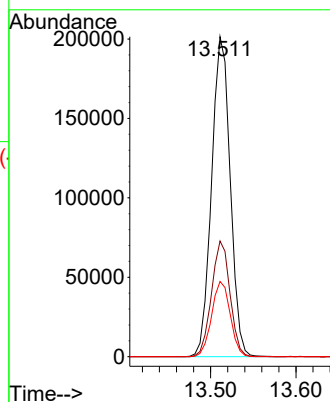
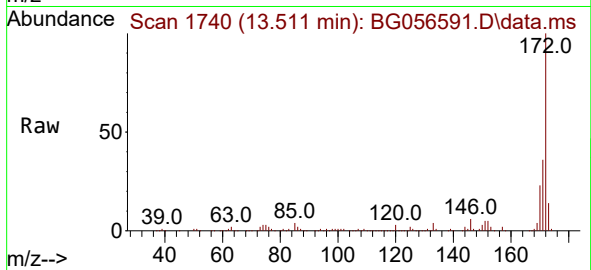
Tgt Ion:172 Resp: 305029

Ion Ratio Lower Upper

172 100

171 36.2 29.5 44.3

170 23.5 19.2 28.8



#51

2,6-Dinitrotoluene

Concen: 7.394 ng

RT: 14.892 min Scan# 1975

Delta R.T. 0.430 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

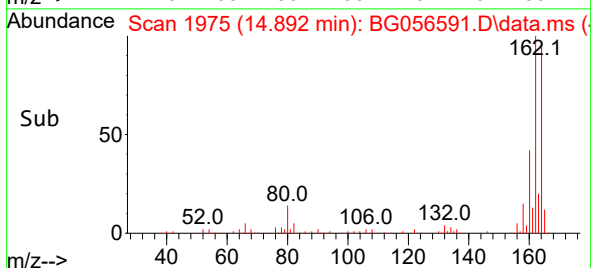
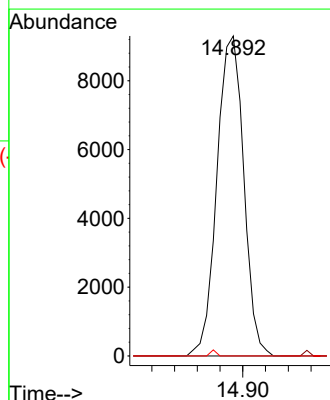
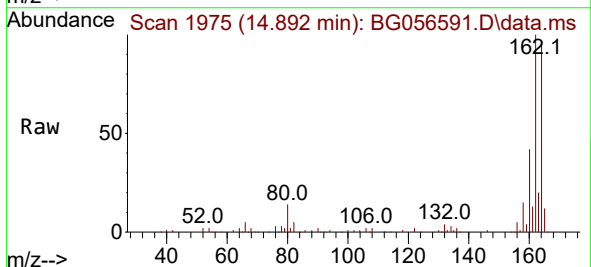
Tgt Ion:165 Resp: 15197

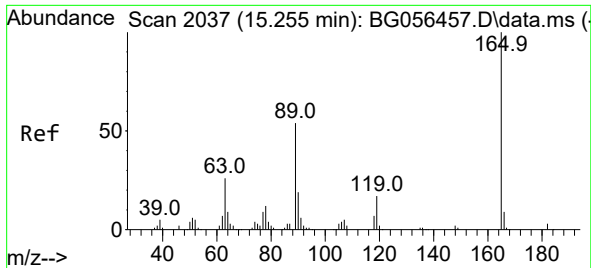
Ion Ratio Lower Upper

165 100

63 0.0 26.9 40.3#

89 0.0 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.249 ng

RT: 14.892 min Scan# 1975

Delta R.T. -0.358 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

Tgt Ion:165 Resp: 15197

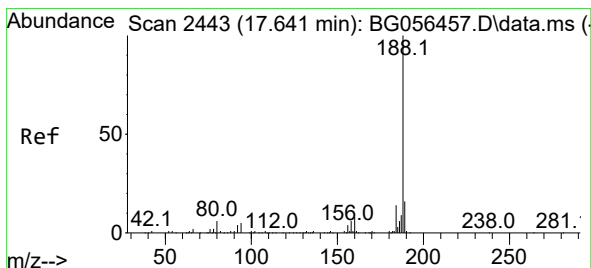
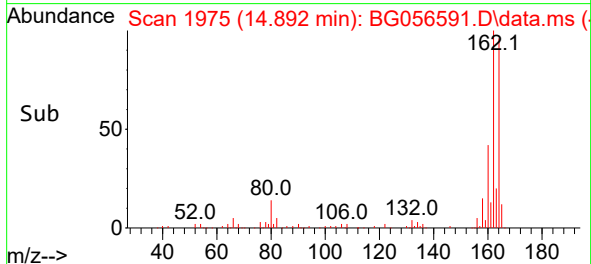
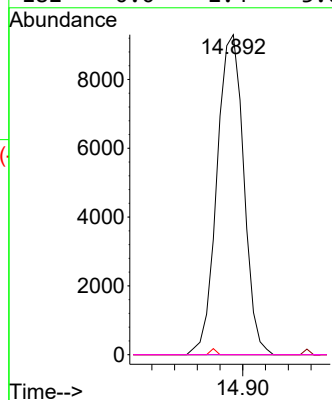
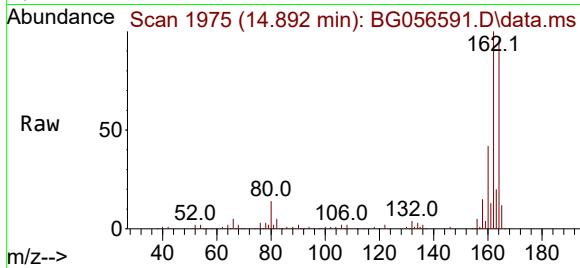
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 0.0 43.1 64.7#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.630 min Scan# 2441

Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

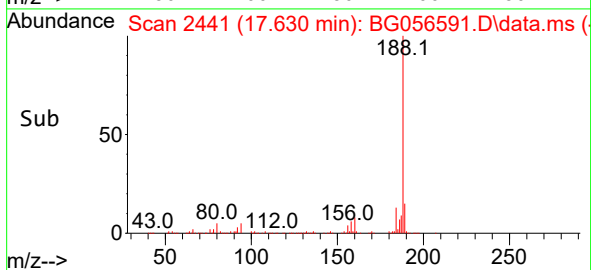
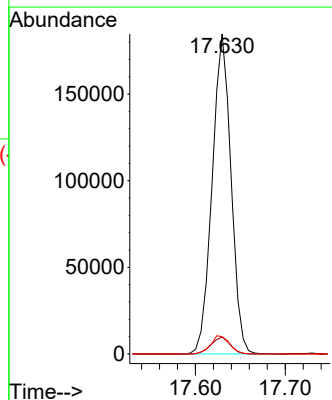
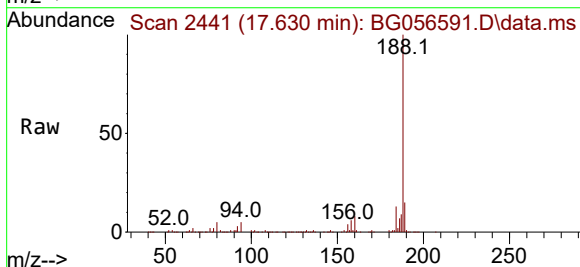
Tgt Ion:188 Resp: 268694

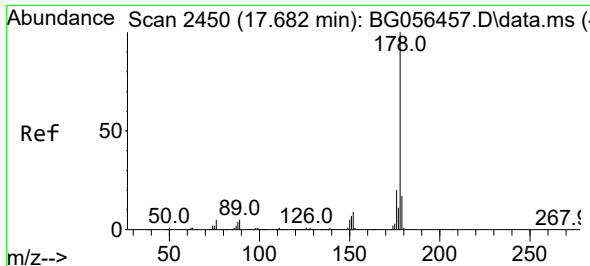
Ion Ratio Lower Upper

188 100

94 5.3 4.1 6.1

80 5.4 5.0 7.4

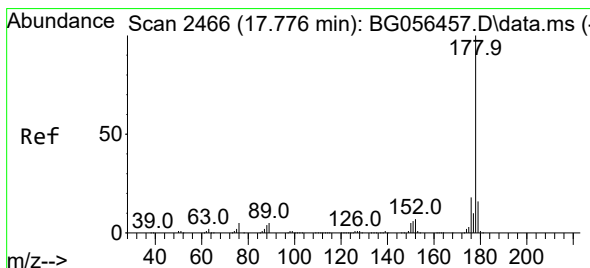
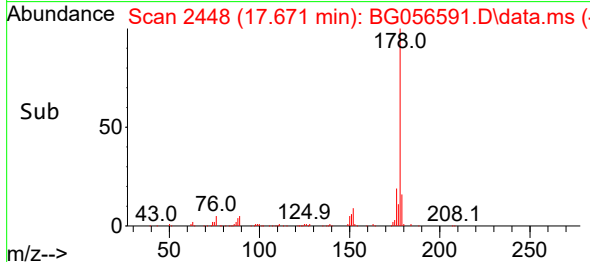
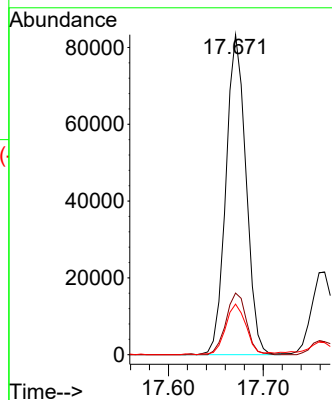
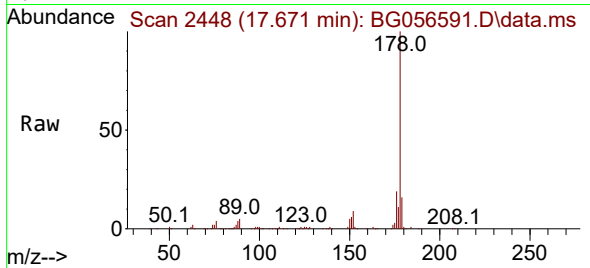




#71
Phenanthrene
Concen: 8.701 ng
RT: 17.671 min Scan# 2448
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

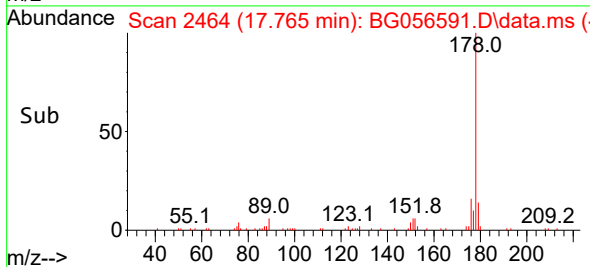
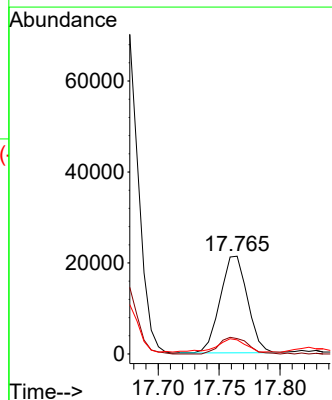
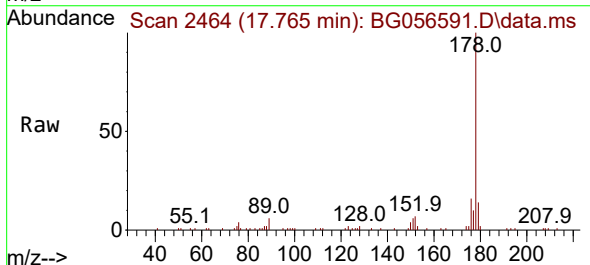
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

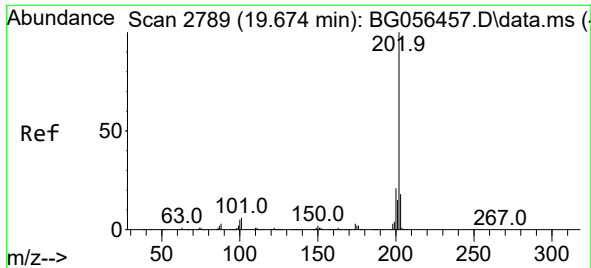
Tgt Ion:178 Resp: 122358
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.8 13.3 19.9



#72
Anthracene
Concen: 2.302 ng
RT: 17.765 min Scan# 2464
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion:178 Resp: 33232
Ion Ratio Lower Upper
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176 15.8 14.5 21.7
179 14.5 12.5 18.7

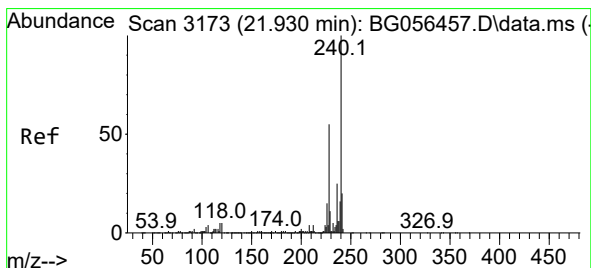
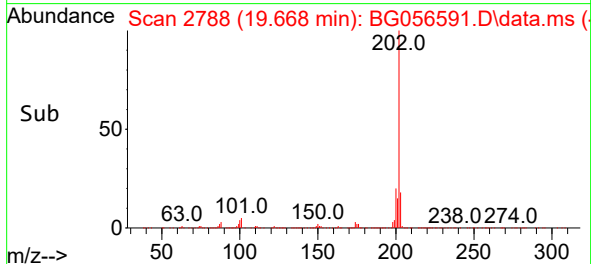
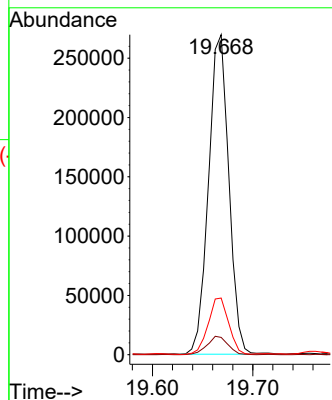
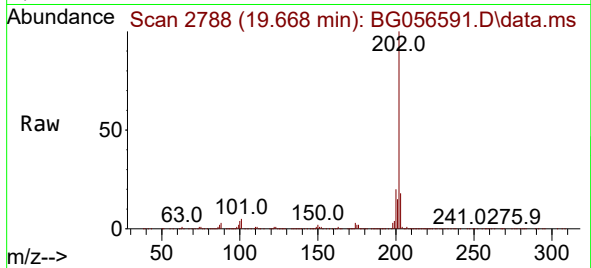




#75
Fluoranthene
Concen: 21.363 ng
RT: 19.668 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

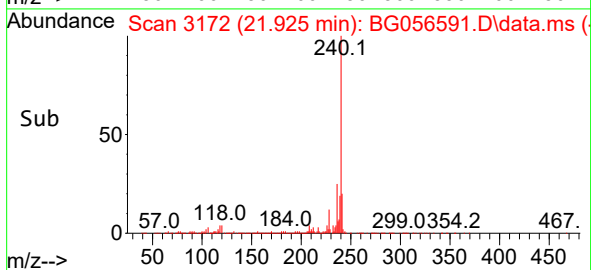
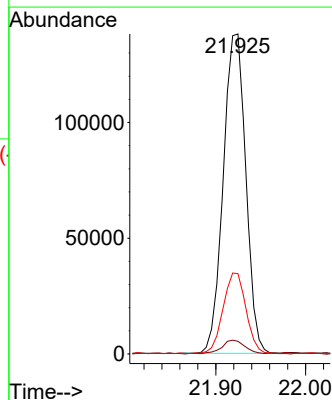
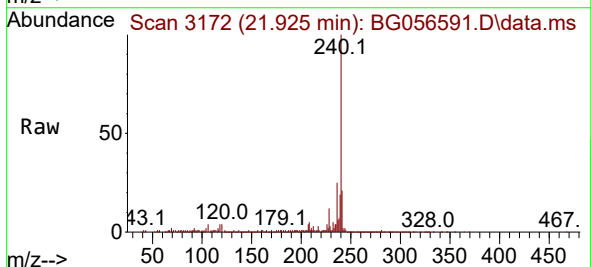
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

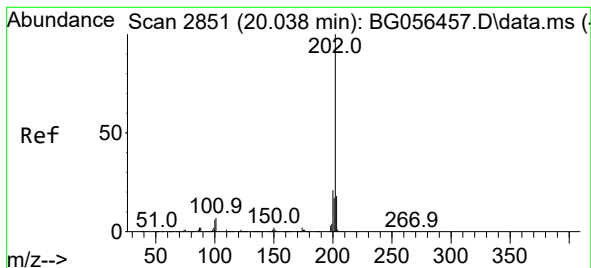
Tgt Ion:202 Resp: 379170
Ion Ratio Lower Upper
202 100
101 5.4 0.0 25.6
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion:240 Resp: 240928
Ion Ratio Lower Upper
240 100
120 4.0 3.8 5.8
236 25.1 20.2 30.2





#78

Pyrene

Concen: 22.105 ng

RT: 20.027 min Scan# 2849

Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

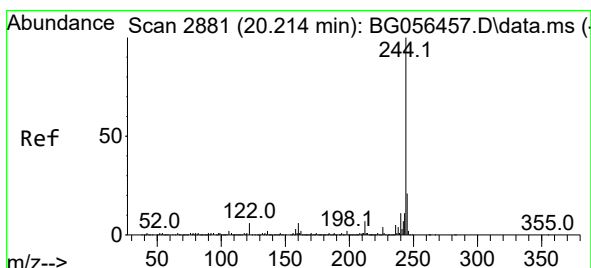
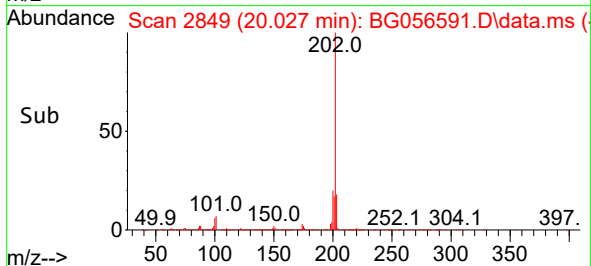
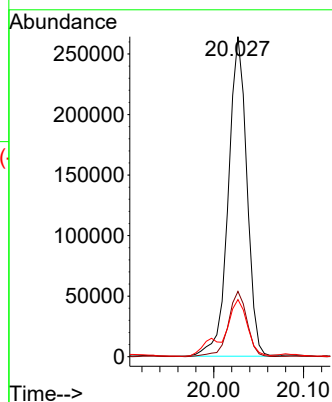
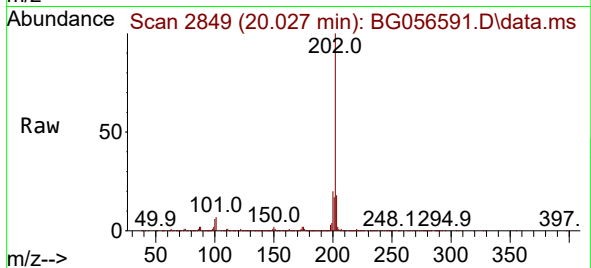
Tgt Ion:202 Resp: 378771

Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

203 17.9 14.4 21.6



#79

Terphenyl-d14

Concen: 35.584 ng

RT: 20.203 min Scan# 2879

Delta R.T. -0.005 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

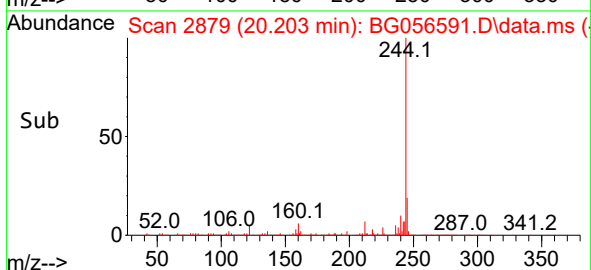
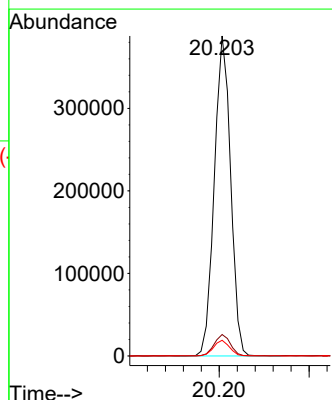
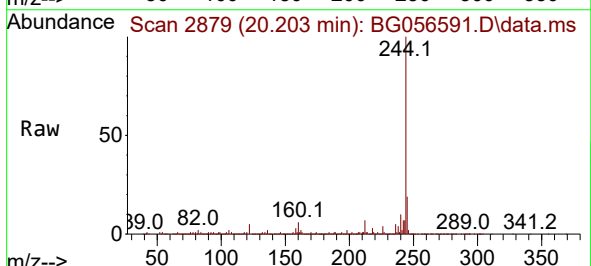
Tgt Ion:244 Resp: 488116

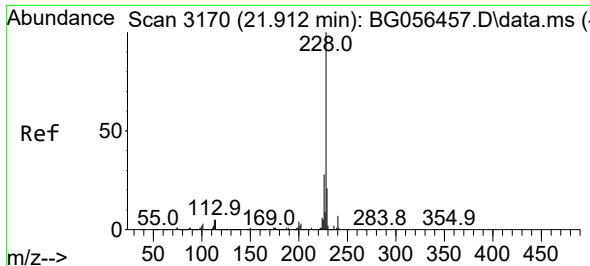
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 4.9 4.4 6.6

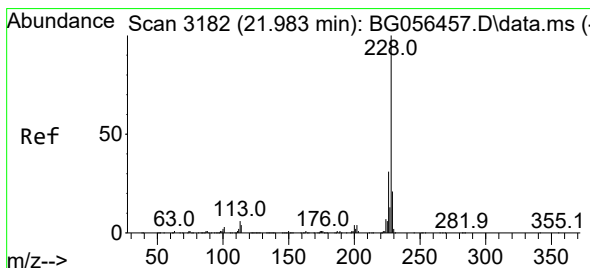
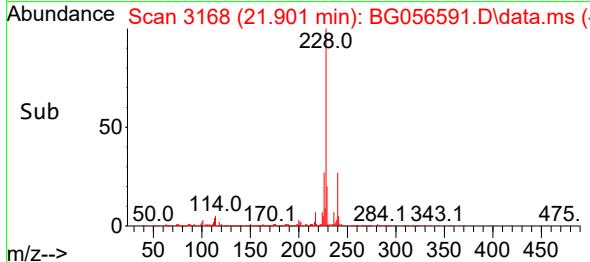
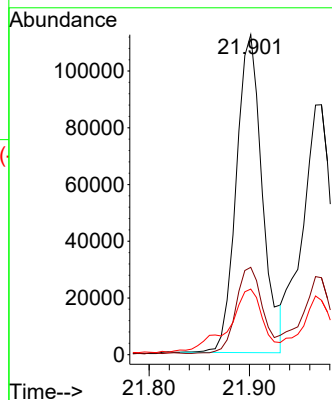
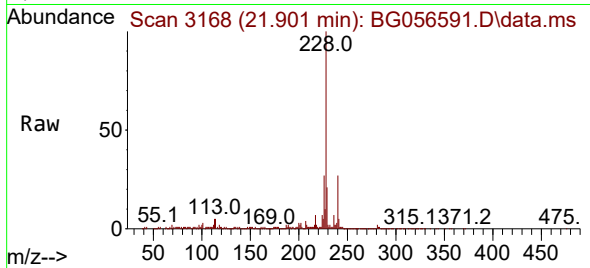




#81
Benzo(a)anthracene
Concen: 11.967 ng
RT: 21.901 min Scan# 3170
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

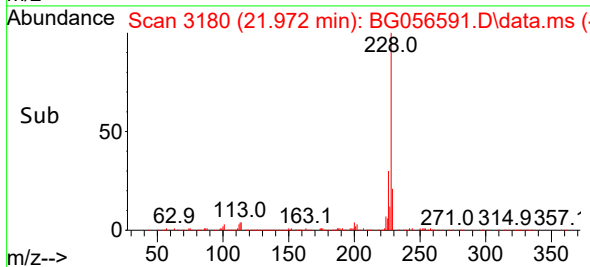
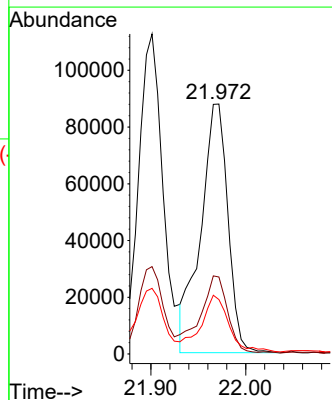
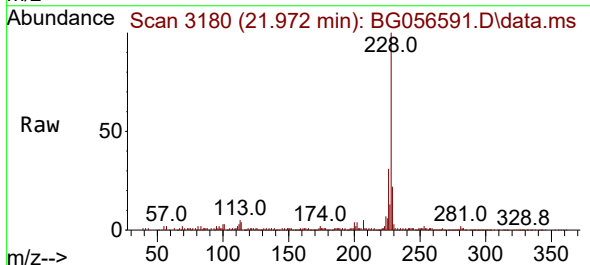
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

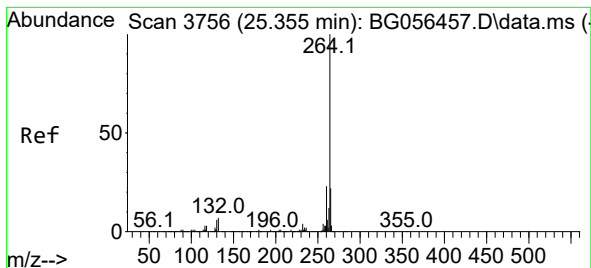
Tgt Ion:228 Resp: 201571
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 20.5 16.5 24.7



#83
Chrysene
Concen: 11.089 ng
RT: 21.972 min Scan# 3180
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion:228 Resp: 175468
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.4
229 21.8 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

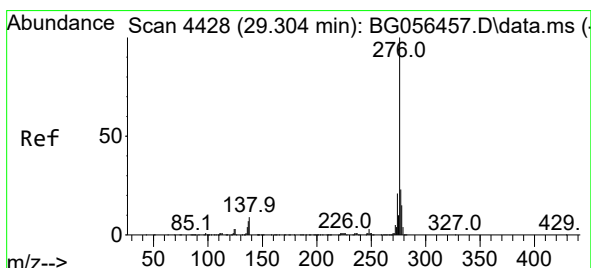
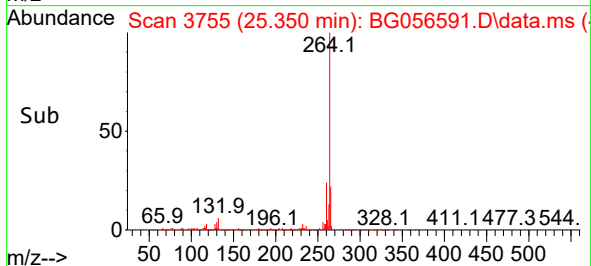
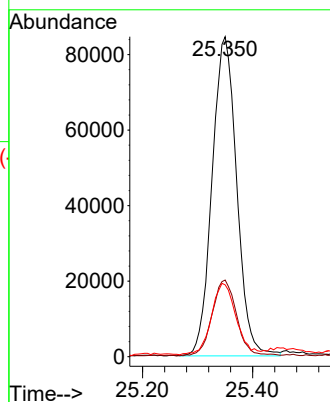
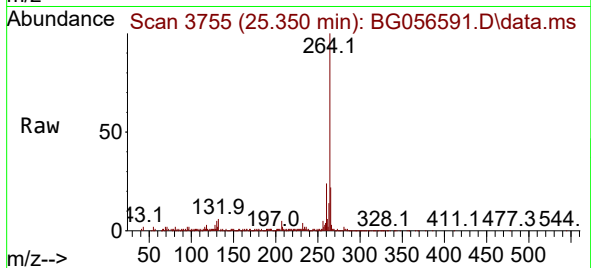
Tgt Ion:264 Resp: 262766

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 22.5 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.866 ng

RT: 29.292 min Scan# 4426

Delta R.T. 0.006 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

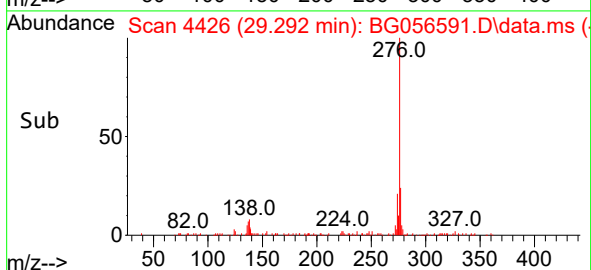
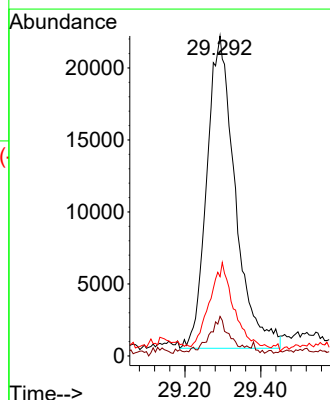
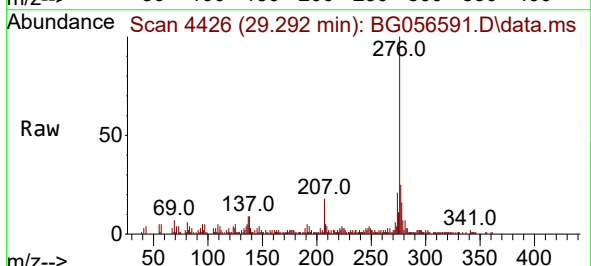
Tgt Ion:276 Resp: 112824

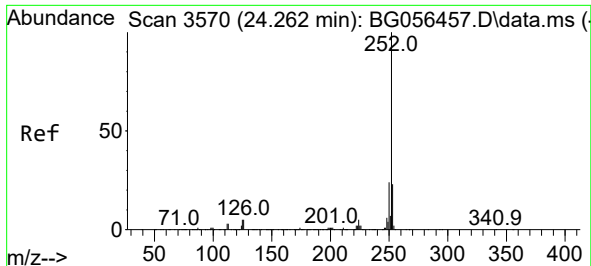
Ion Ratio Lower Upper

276 100

138 6.2 9.4 14.2#

277 22.9 20.3 30.5

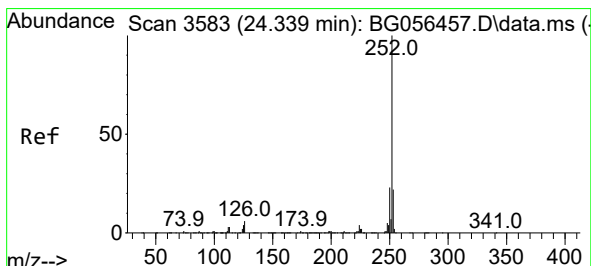
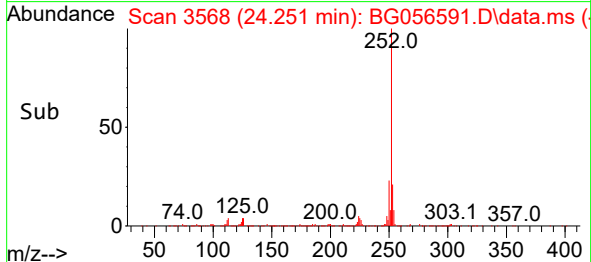
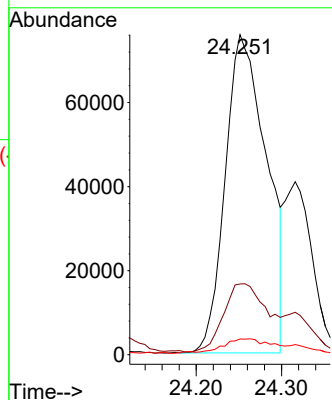
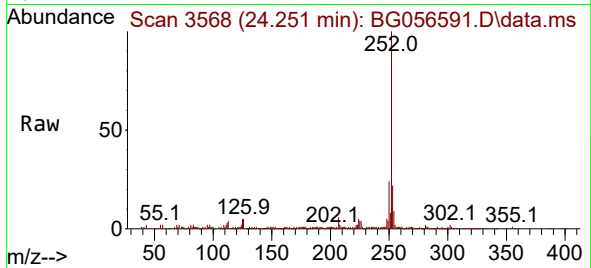




#88
Benzo(b)fluoranthene
Concen: 15.614 ng
RT: 24.251 min Scan# 3568
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

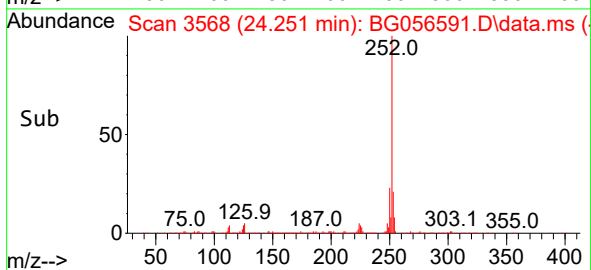
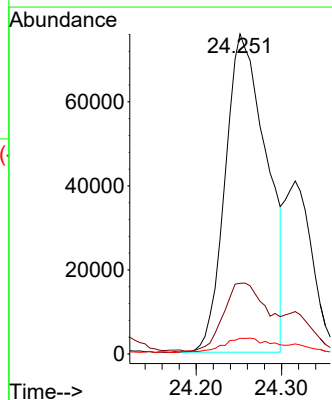
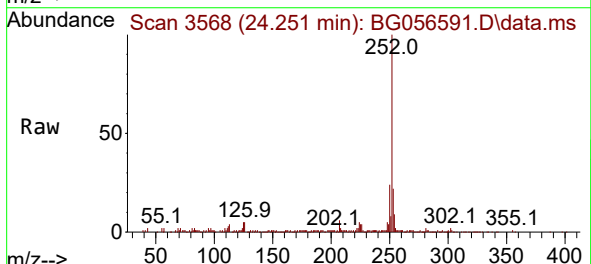
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

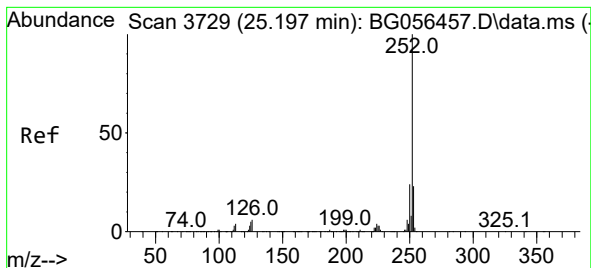
Tgt Ion:252 Resp: 254663
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 4.9 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 15.465 ng
RT: 24.251 min Scan# 3568
Delta R.T. -0.070 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion:252 Resp: 254663
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 4.9 3.4 5.0





#90

Benzo(a)pyrene

Concen: 12.333 ng

RT: 25.186 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

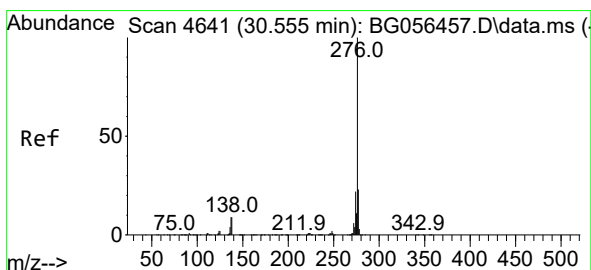
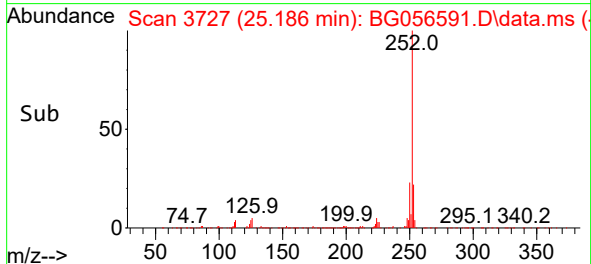
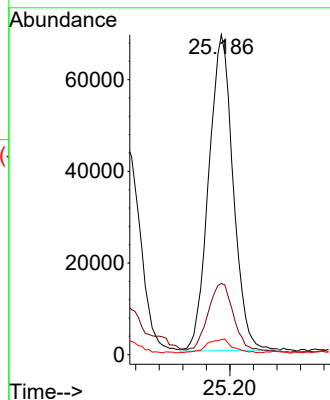
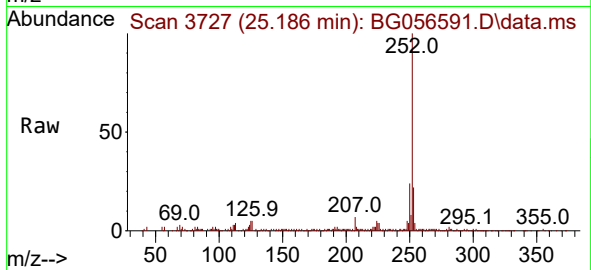
Tgt Ion:252 Resp: 198137

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

125 4.8 4.1 6.1



#92

Benzo(g,h,i)perylene

Concen: 6.613 ng

RT: 30.538 min Scan# 4638

Delta R.T. 0.012 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Tgt Ion:276 Resp: 103026

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 9.3 7.4 11.0

