

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
 Data File : BG056592.D
 Acq On : 8 Feb 2023 22:03
 Operator : CG/JU
 Sample : 01481-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-42-020723

Quant Time: Feb 09 02:09:41 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)

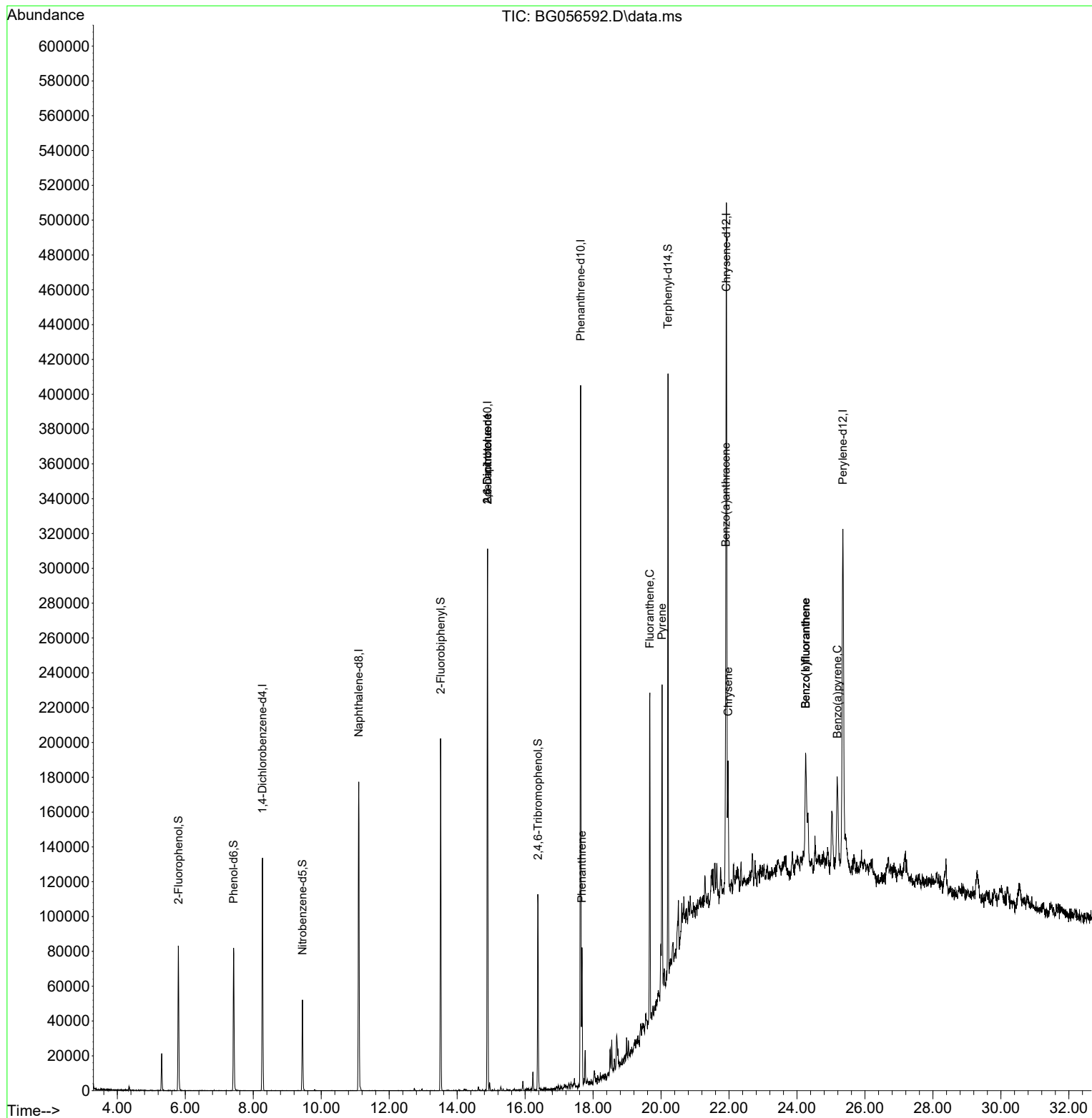
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	46857	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	167172	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	118446	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	267784	20.000	ng	0.00
76) Chrysene-d12	21.919	240	244395	20.000	ng	0.00
86) Perylene-d12	25.350	264	261118	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	52465	20.597	ng	0.00
7) Phenol-d6	7.418	99	68894	18.255	ng	0.00
23) Nitrobenzene-d5	9.445	82	36771	12.490	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	25359	16.104	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	115264	13.492	ng	0.00
79) Terphenyl-d14	20.203	244	181528	13.046	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.424	77	69	Below Cal	#	1
51) 2,6-Dinitrotoluene	14.892	165	15283	7.313	ng	# 36
57) 2,4-Dinitrotoluene	14.892	165	15283	5.192	ng	# 35
71) Phenanthrene	17.671	178	54662	3.900	ng	96
75) Fluoranthene	19.669	202	131139	7.414	ng	99
78) Pyrene	20.027	202	123685	7.116	ng	98
81) Benzo(a)anthracene	21.901	228	71136	4.163	ng	94
83) Chrysene	21.972	228	62779	3.911	ng	96
88) Benzo(b)fluoranthene	24.252	252	95704	5.905	ng	# 90
89) Benzo(k)fluoranthene	24.252	252	95704	5.849	ng	# 88
90) Benzo(a)pyrene	25.186	252	66408	4.160	ng	# 93

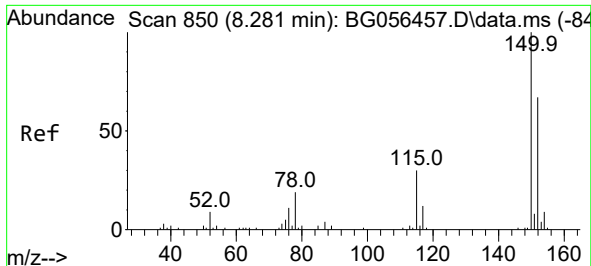
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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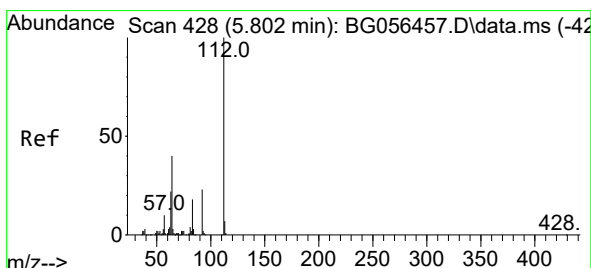
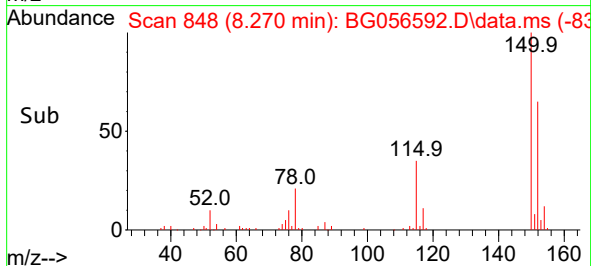
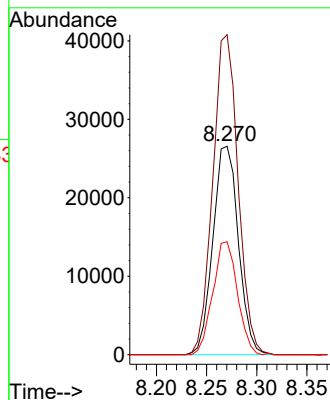
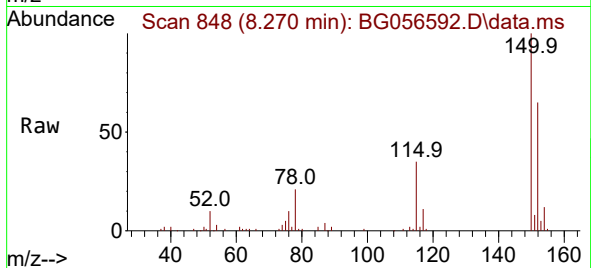




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.270 min Scan# 84
 Delta R.T. 0.001 min
 Lab File: BG056592.D
 Acq: 8 Feb 2023 22:03

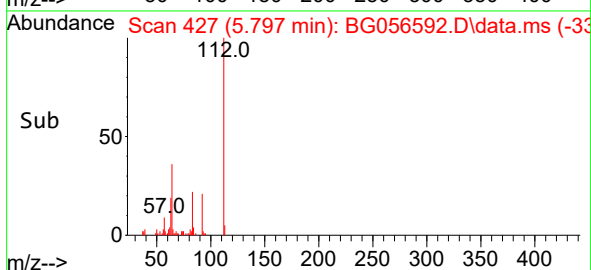
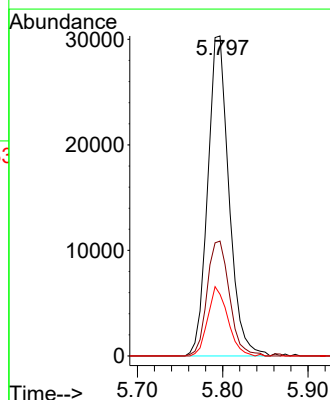
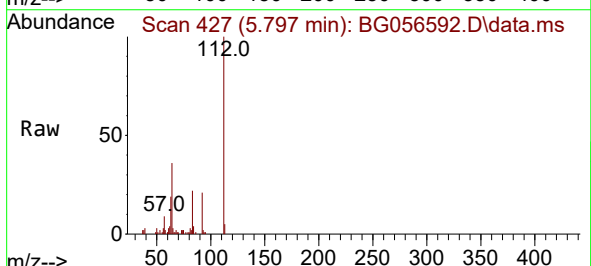
Instrument :
 BNA_G
 ClientSampleId :
 JPP-42-020723

Tgt Ion:152 Resp: 46857
 Ion Ratio Lower Upper
 152 100
 150 153.4 120.2 180.4
 115 54.1 36.3 54.5



#5
 2-Fluorophenol
 Concen: 20.597 ng
 RT: 5.797 min Scan# 427
 Delta R.T. 0.007 min
 Lab File: BG056592.D
 Acq: 8 Feb 2023 22:03

Tgt Ion:112 Resp: 52465
 Ion Ratio Lower Upper
 112 100
 64 35.9 31.9 47.9
 63 19.3 17.4 26.0

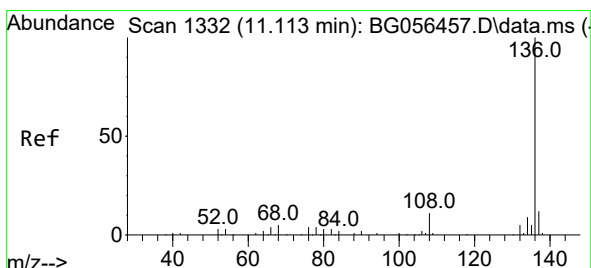
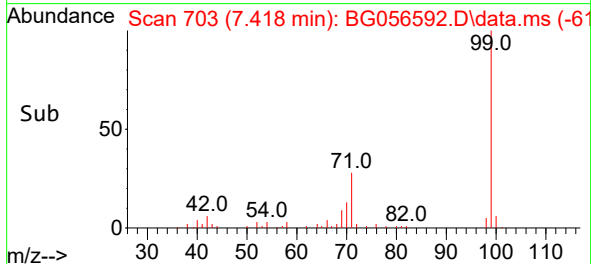
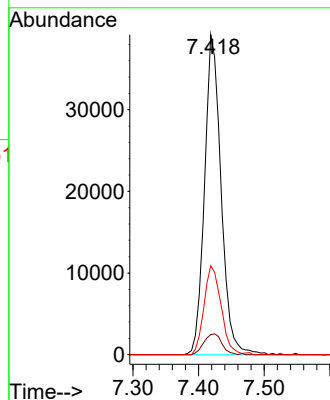
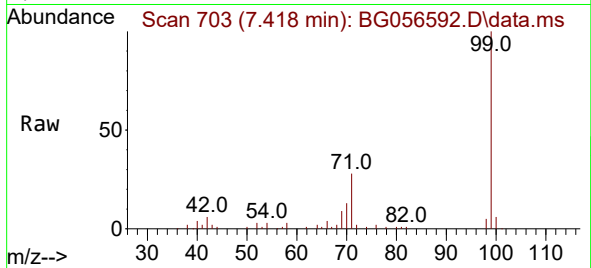




#7
Phenol-d6
Concen: 18.255 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

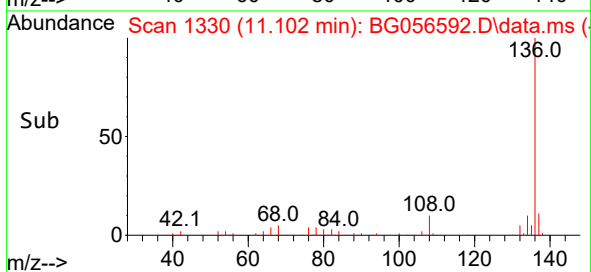
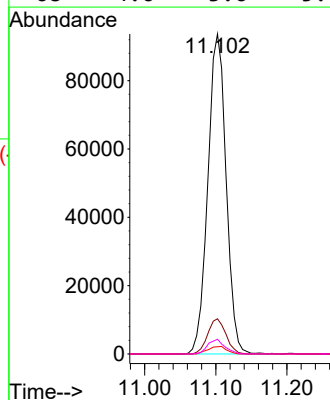
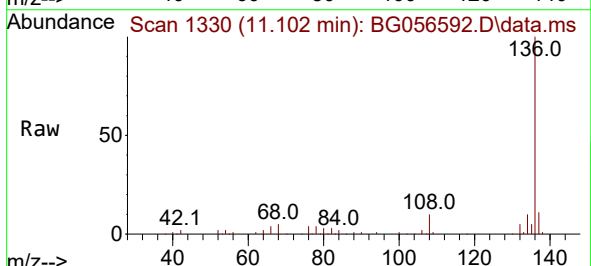
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BNA_G
ClientSampleId :
JPP-42-020723

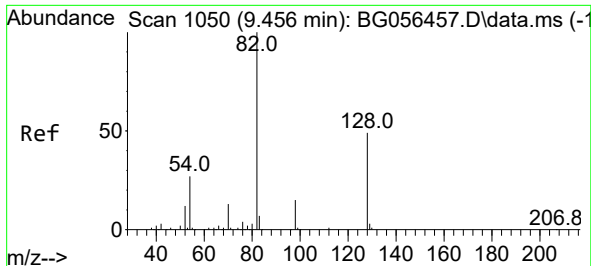
Tgt Ion: 99 Resp: 68894
Ion Ratio Lower Upper
99 100
42 6.2 6.6 10.0#
71 27.8 23.4 35.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Tgt Ion:136 Resp: 167172
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.0
54 2.3 2.2 3.4
68 4.6 3.6 5.4

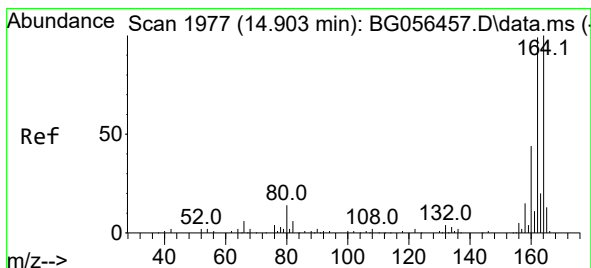
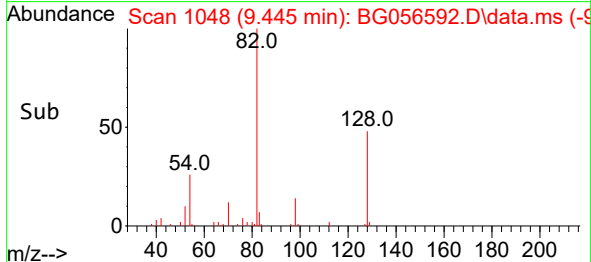
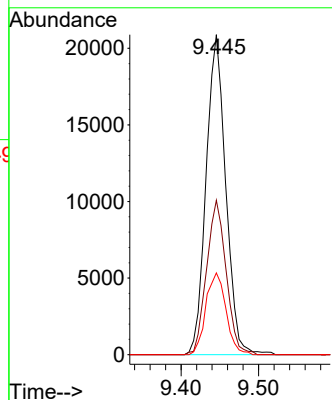
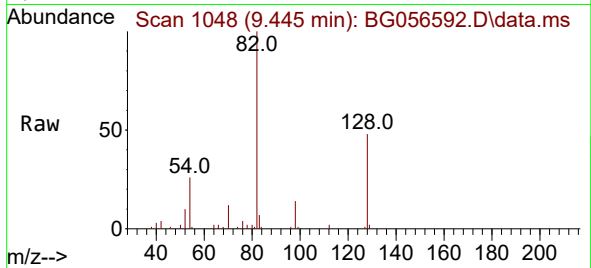




#23
Nitrobenzene-d5
Concen: 12.490 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

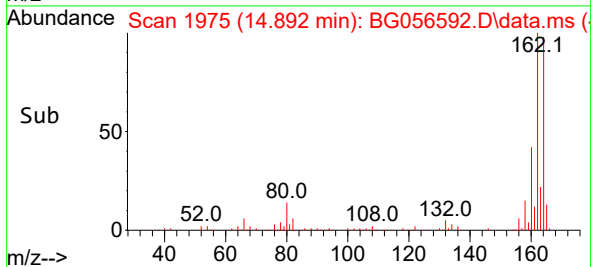
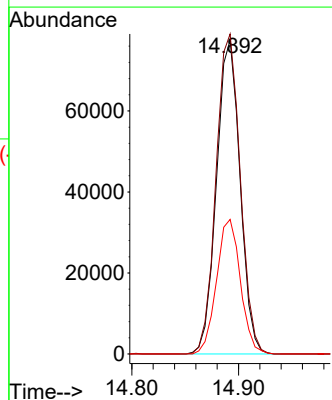
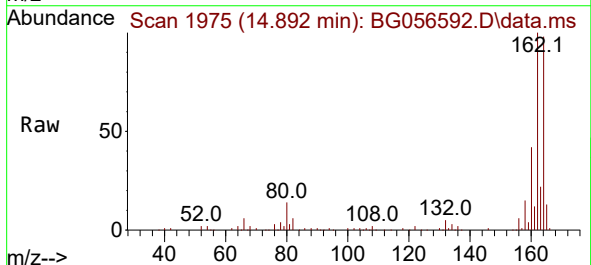
Instrument :
BNA_G
ClientSampleId :
JPP-42-020723

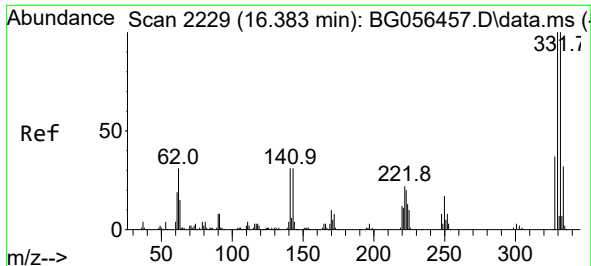
Tgt Ion: 82 Resp: 36771
Ion Ratio Lower Upper
82 100
128 48.2 39.4 59.2
54 25.6 21.4 32.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1975
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

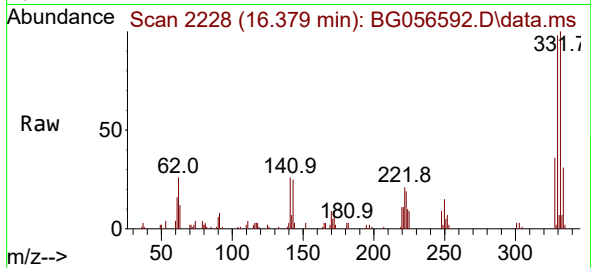
Tgt Ion: 164 Resp: 118446
Ion Ratio Lower Upper
164 100
162 102.0 79.6 119.4
160 42.9 34.9 52.3



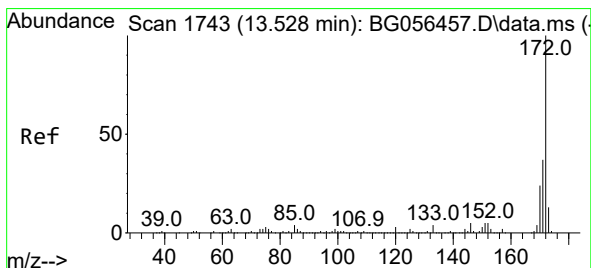
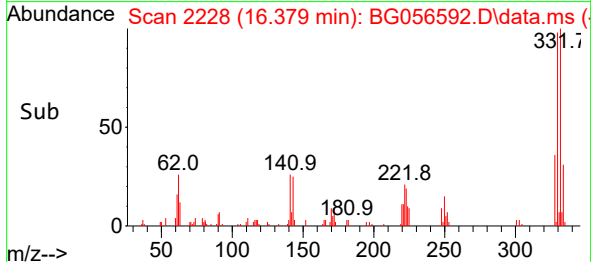
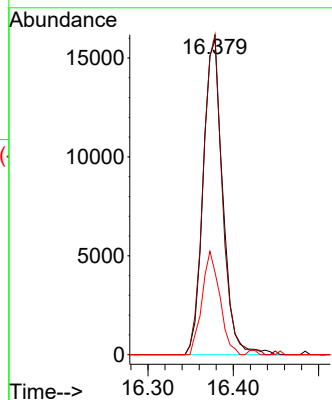


#42
2,4,6-Tribromophenol
Concen: 16.104 ng
RT: 16.379 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Instrument :
BNA_G
ClientSampleId :
JPP-42-020723

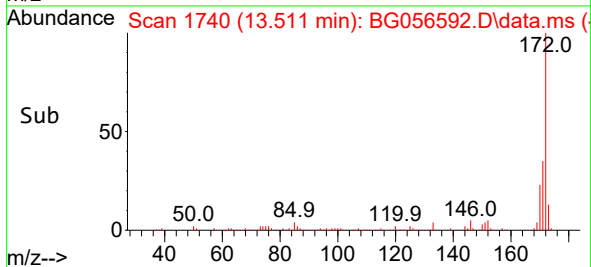
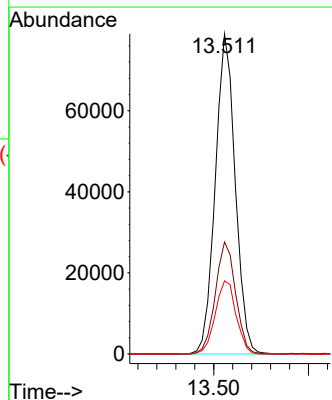
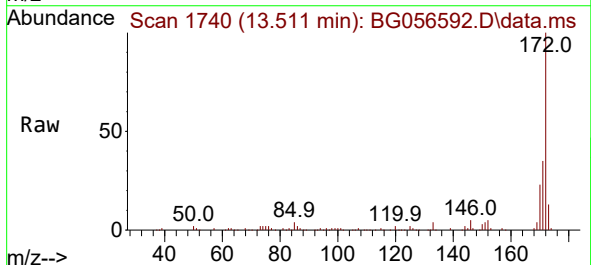


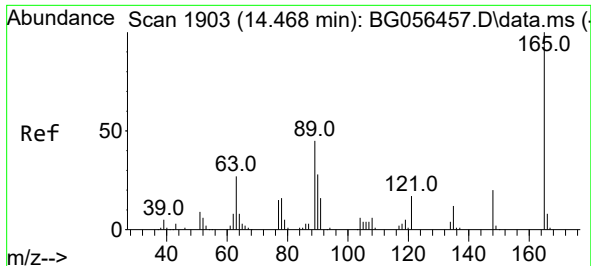
Tgt Ion:330 Resp: 25359
Ion Ratio Lower Upper
330 100
332 99.3 79.0 118.6
141 29.8 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 13.492 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Tgt Ion:172 Resp: 115264
Ion Ratio Lower Upper
172 100
171 35.0 29.5 44.3
170 22.8 19.2 28.8

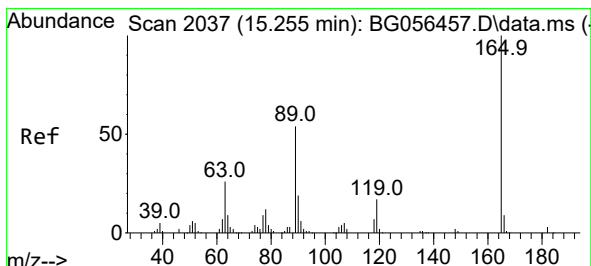
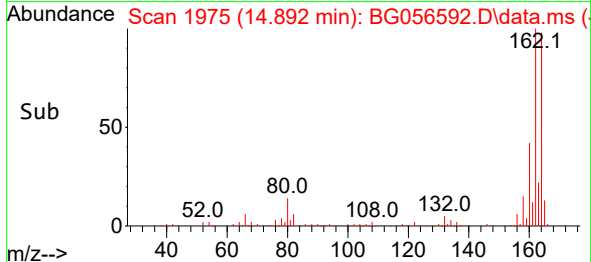
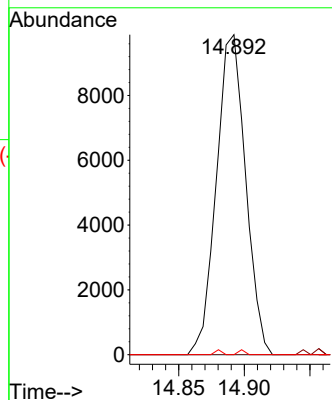
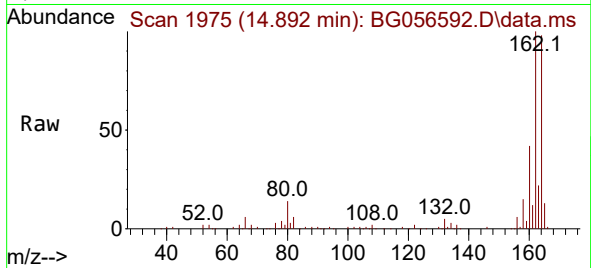




#51
2,6-Dinitrotoluene
Concen: 7.313 ng
RT: 14.892 min Scan# 1903
Delta R.T. 0.430 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

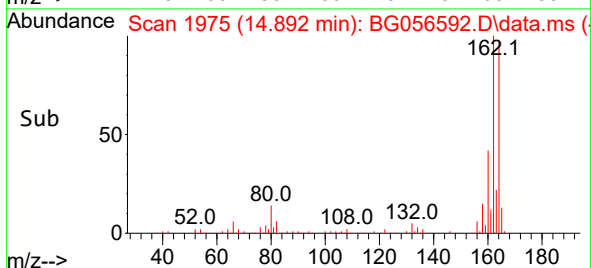
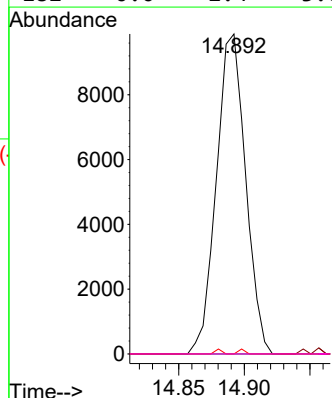
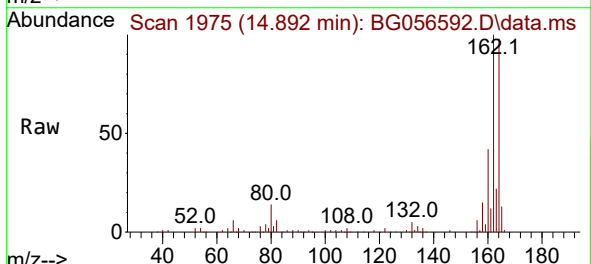
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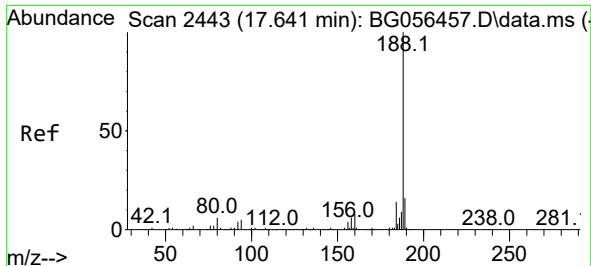
Tgt Ion:165 Resp: 15283
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 0.0 35.6 53.4#



#57
2,4-Dinitrotoluene
Concen: 5.192 ng
RT: 14.892 min Scan# 1975
Delta R.T. -0.357 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Tgt Ion:165 Resp: 15283
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#

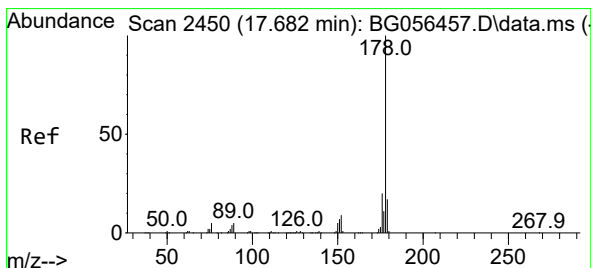
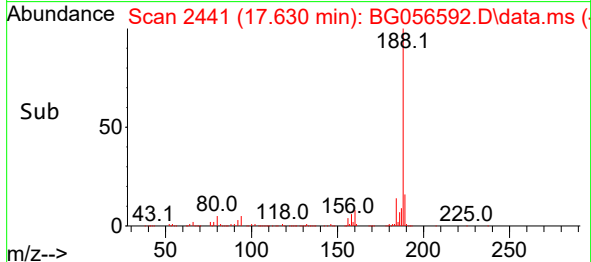
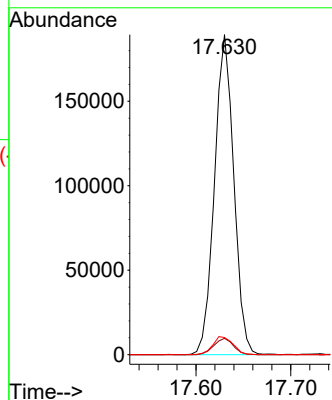
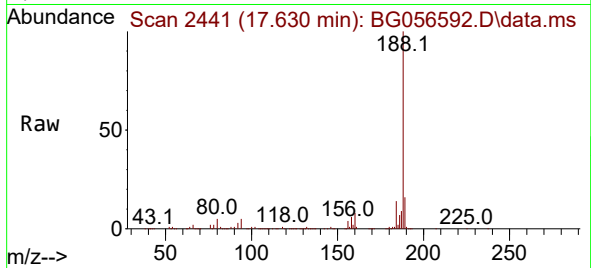




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

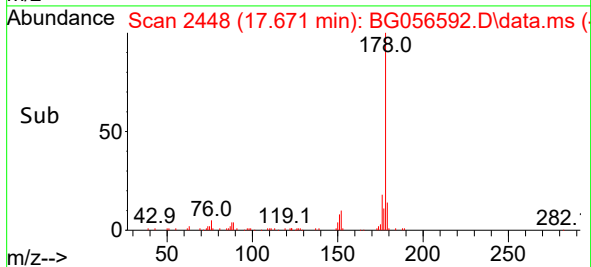
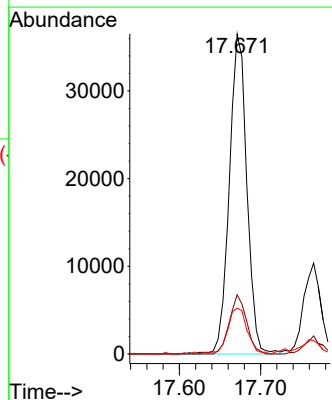
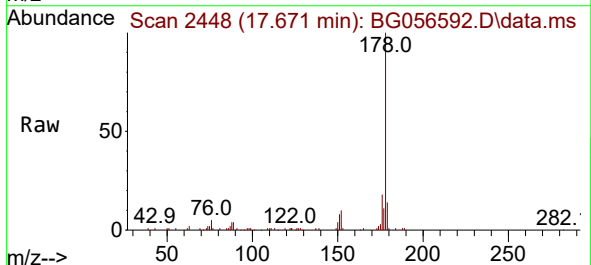
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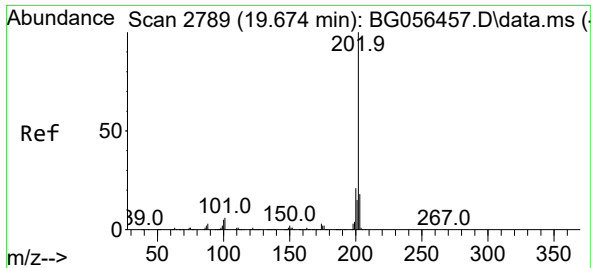
Tgt Ion:188 Resp: 267784
Ion Ratio Lower Upper
188 100
94 5.1 4.1 6.1
80 5.3 5.0 7.4



#71
Phenanthrene
Concen: 3.900 ng
RT: 17.671 min Scan# 2448
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Tgt Ion:178 Resp: 54662
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.3 13.3 19.9

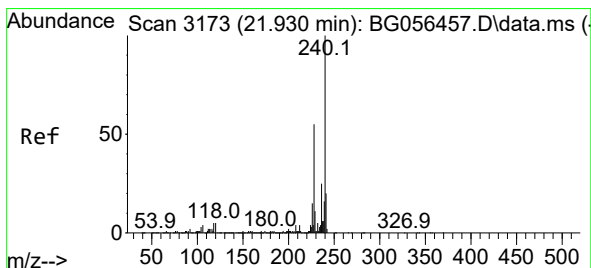
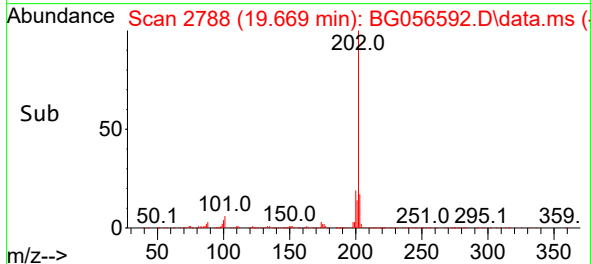
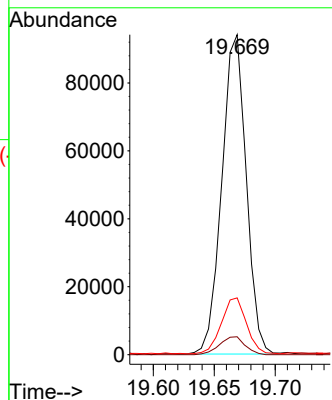
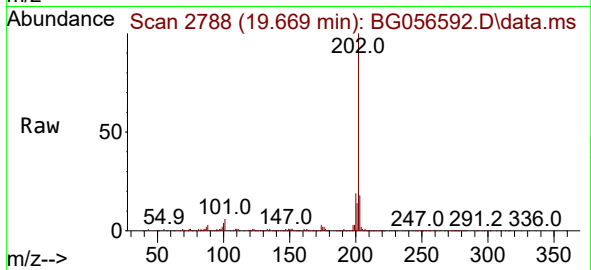




#75
Fluoranthene
Concen: 7.414 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

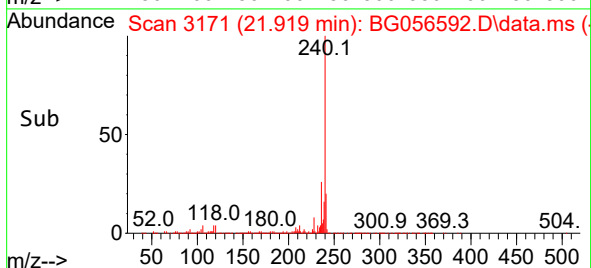
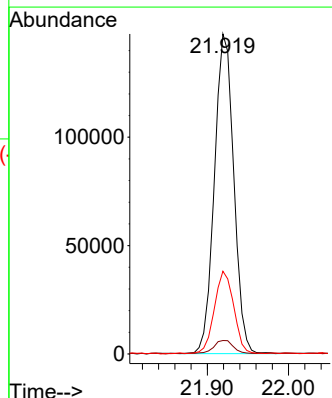
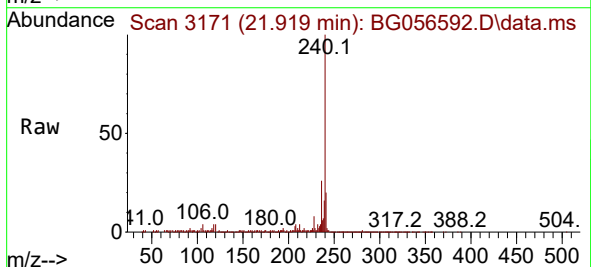
Instrument :
BNA_G
ClientSampleId :
JPP-42-020723

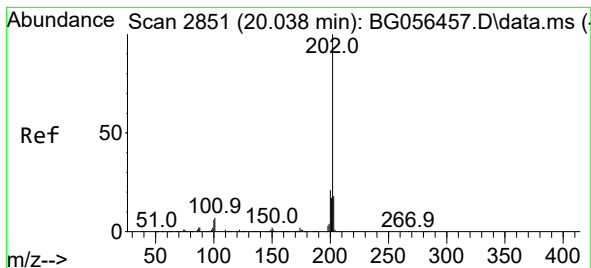
Tgt Ion:202 Resp: 131139
Ion Ratio Lower Upper
202 100
101 5.6 0.0 25.6
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.005 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Tgt Ion:240 Resp: 244395
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.8
236 25.9 20.2 30.2





#78

Pyrene

Concen: 7.116 ng

RT: 20.027 min Scan# 2849

Delta R.T. 0.001 min

Lab File: BG056592.D

Acq: 8 Feb 2023 22:03

Instrument :

BNA_G

ClientSampleId :

JPP-42-020723

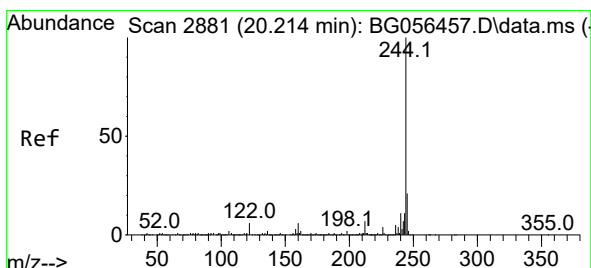
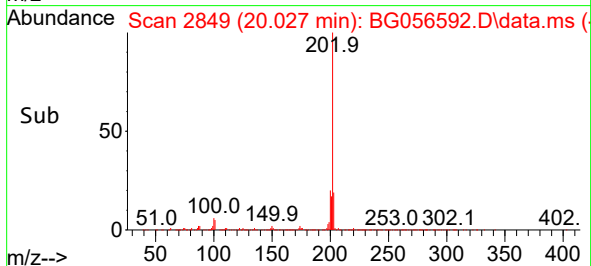
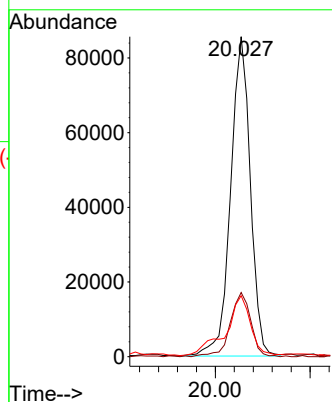
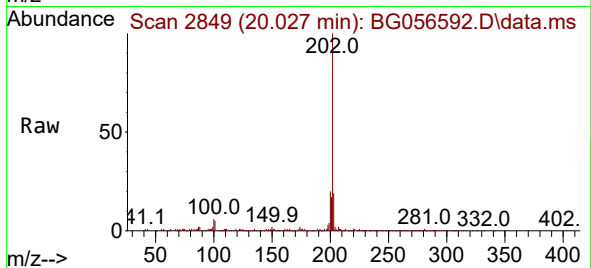
Tgt Ion:202 Resp: 123685

Ion Ratio Lower Upper

202 100

200 20.1 16.7 25.1

203 19.1 14.4 21.6



#79

Terphenyl-d14

Concen: 13.046 ng

RT: 20.203 min Scan# 2879

Delta R.T. -0.005 min

Lab File: BG056592.D

Acq: 8 Feb 2023 22:03

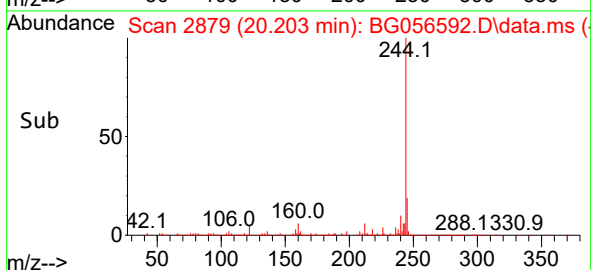
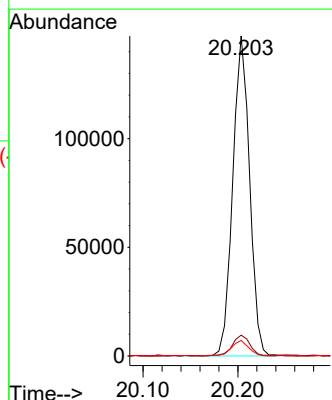
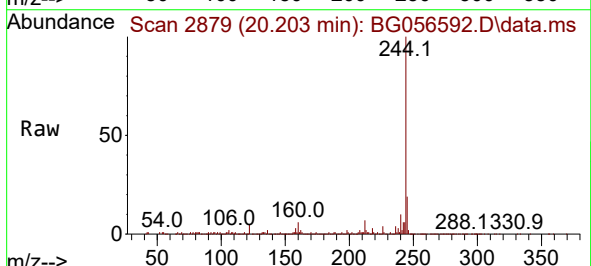
Tgt Ion:244 Resp: 181528

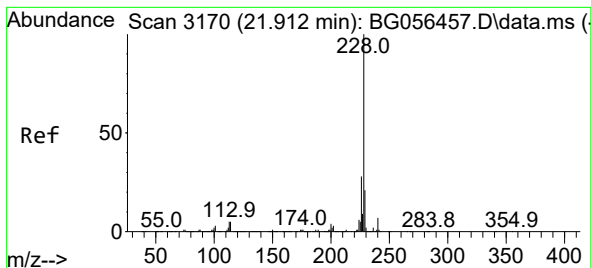
Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

122 4.9 4.4 6.6





#81

Benzo(a)anthracene

Concen: 4.163 ng

RT: 21.901 min Scan# 3168

Delta R.T. 0.001 min

Lab File: BG056592.D

Acq: 8 Feb 2023 22:03

Instrument :

BNA_G

ClientSampleId :

JPP-42-020723

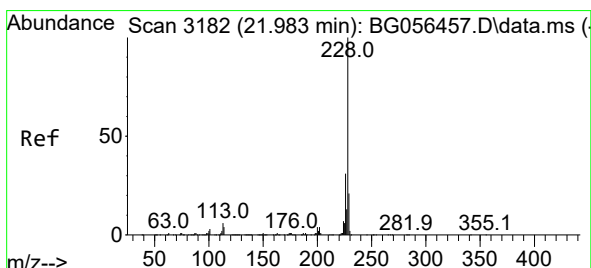
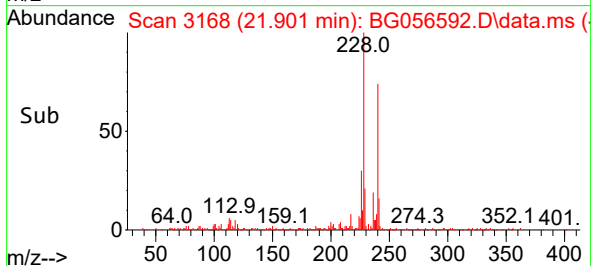
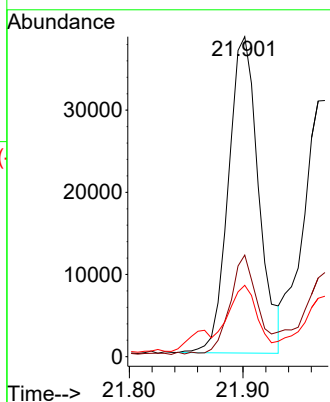
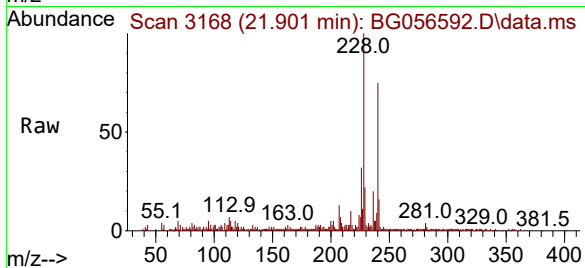
Tgt Ion:228 Resp: 71136

Ion Ratio Lower Upper

228 100

226 31.8 22.4 33.6

229 22.3 16.5 24.7



#83

Chrysene

Concen: 3.911 ng

RT: 21.972 min Scan# 3180

Delta R.T. 0.001 min

Lab File: BG056592.D

Acq: 8 Feb 2023 22:03

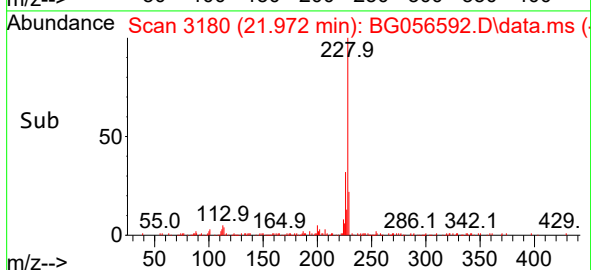
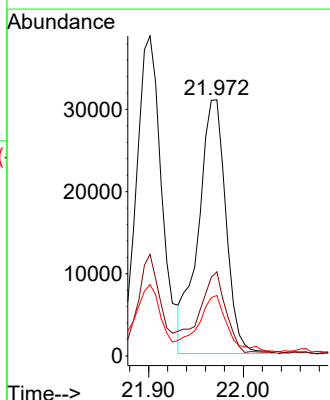
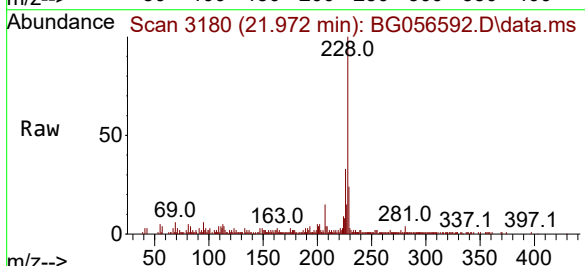
Tgt Ion:228 Resp: 62779

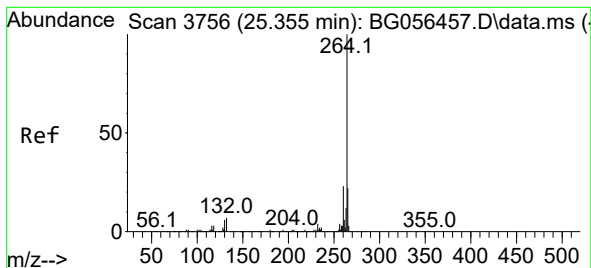
Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.4

229 23.6 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 31

Delta R.T. 0.013 min

Lab File: BG056592.D

Acq: 8 Feb 2023 22:03

Instrument :

BNA_G

ClientSampleId :

JPP-42-020723

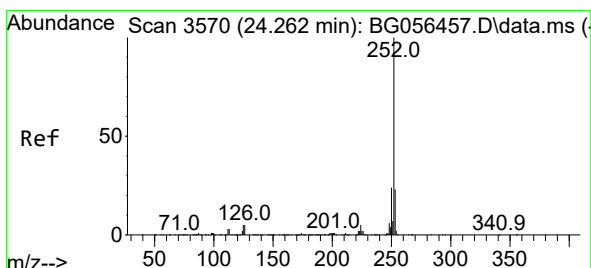
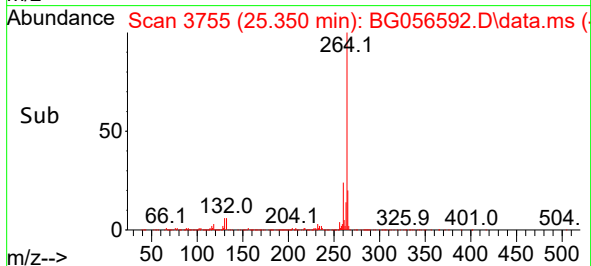
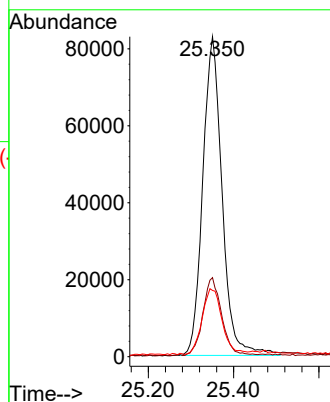
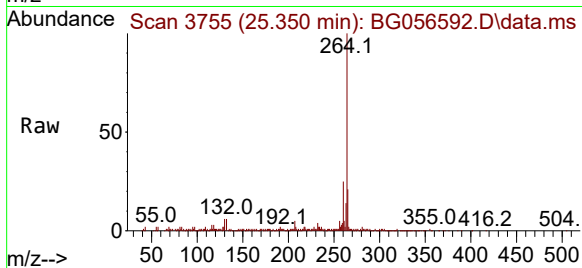
Tgt Ion:264 Resp: 261118

Ion Ratio Lower Upper

264 100

260 24.7 18.2 27.4

265 20.7 18.1 27.1



#88

Benzo(b)fluoranthene

Concen: 5.905 ng

RT: 24.252 min Scan# 3568

Delta R.T. 0.001 min

Lab File: BG056592.D

Acq: 8 Feb 2023 22:03

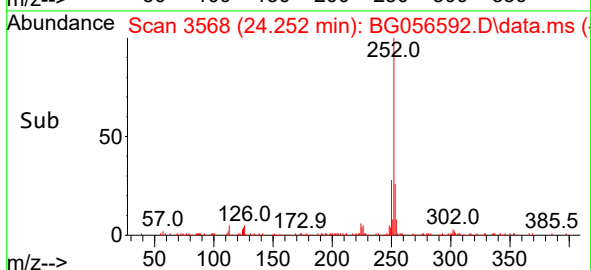
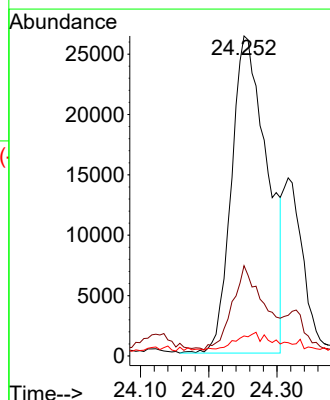
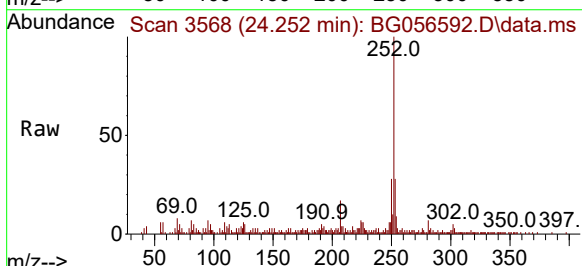
Tgt Ion:252 Resp: 95704

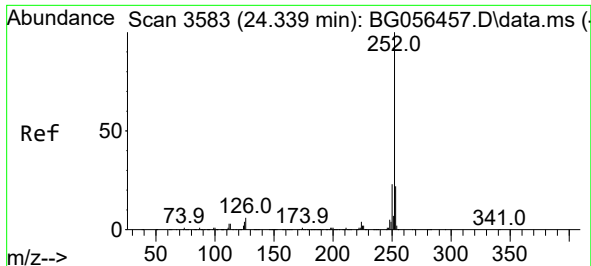
Ion Ratio Lower Upper

252 100

253 28.2 18.1 27.1#

125 6.3 3.9 5.9#

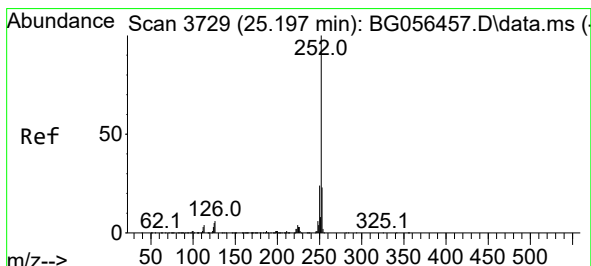
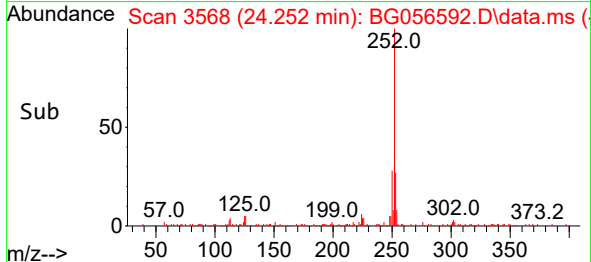
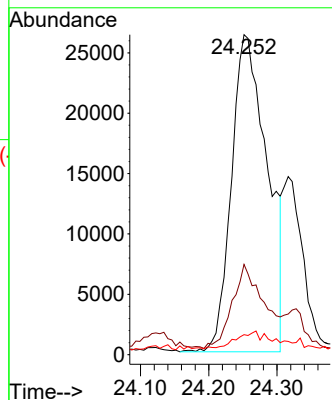
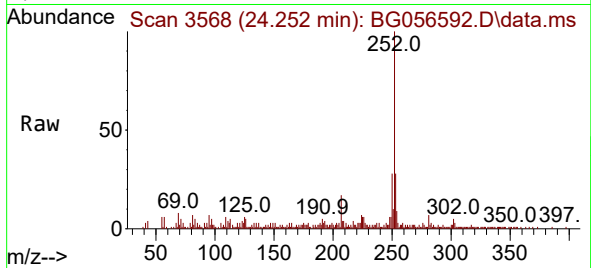




#89
Benzo(k)fluoranthene
Concen: 5.849 ng
RT: 24.252 min Scan# 3568
Delta R.T. -0.070 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Instrument :
BNA_G
ClientSampleId :
JPP-42-020723

Tgt Ion:252 Resp: 95704
Ion Ratio Lower Upper
252 100
253 28.2 17.5 26.3#
125 6.3 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 4.160 ng
RT: 25.186 min Scan# 3727
Delta R.T. 0.007 min
Lab File: BG056592.D
Acq: 8 Feb 2023 22:03

Tgt Ion:252 Resp: 66408
Ion Ratio Lower Upper
252 100
253 26.6 18.4 27.6
125 7.2 4.1 6.1#

