

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056575.D
 Acq On : 7 Feb 2023 20:06
 Operator : CG/JU
 Sample : 01445-03 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-26-020323

Quant Time: Feb 08 03:07:36 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)

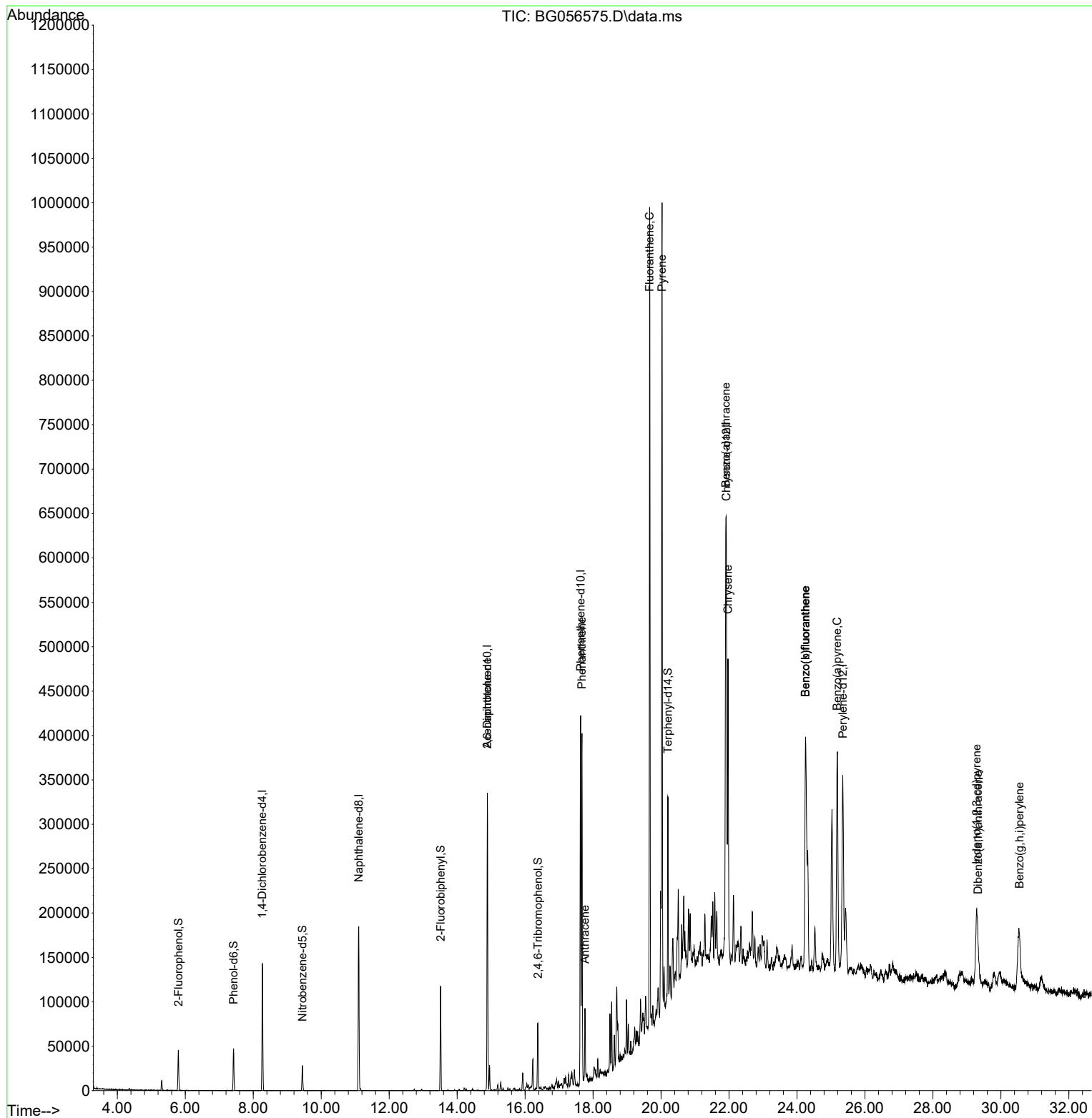
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.267	152	48916	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	176650	20.000	ng	0.00
39) Acenaphthene-d10	14.889	164	127588	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	283481	20.000	ng	0.00
76) Chrysene-d12	21.922	240	256269	20.000	ng	# 0.00
86) Perylene-d12	25.353	264	287338	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	28492	10.715	ng	0.00
7) Phenol-d6	7.421	99	39323	9.981	ng	0.00
23) Nitrobenzene-d5	9.448	82	21605	6.945	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	14781	8.714	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	68681	7.463	ng	0.00
79) Terphenyl-d14	20.206	244	108127	7.411	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.889	165	16716	7.426	ng	# 36
71) Phenanthrene	17.674	178	277251	18.687	ng	98
72) Anthracene	17.762	178	60571	3.977	ng	99
75) Fluoranthene	19.666	202	625446	33.400	ng	100
78) Pyrene	20.030	202	636545	34.924	ng	99
81) Benzo(a)anthracene	21.904	228	286652	16.000	ng	100
83) Chrysene	21.969	228	259809	15.436	ng	97
87) Indeno(1,2,3-cd)pyrene	29.290	276	186249	8.855	ng	# 87
88) Benzo(b)fluoranthene	24.249	252	394432	22.116	ng	100
89) Benzo(k)fluoranthene	24.249	252	394432	21.905	ng	99
90) Benzo(a)pyrene	25.183	252	325367	18.520	ng	99
91) Dibenzo(a,h)anthracene	29.325	278	38707	2.192	ng	# 94
92) Benzo(g,h,i)perylene	30.547	276	197200	11.576	ng	95

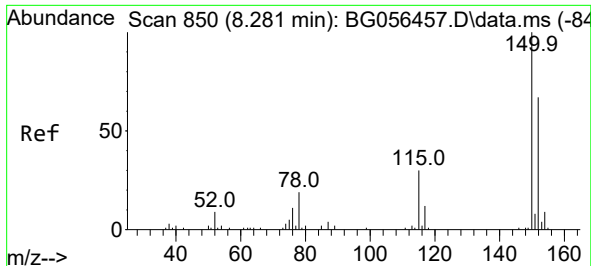
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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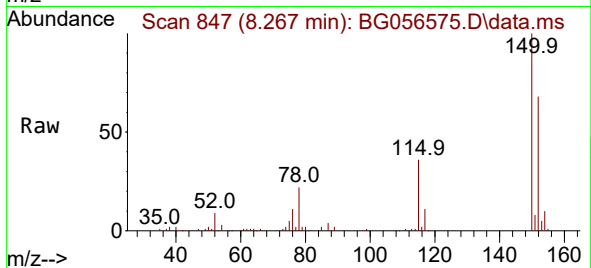
Quant Time: Feb 08 03:07:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
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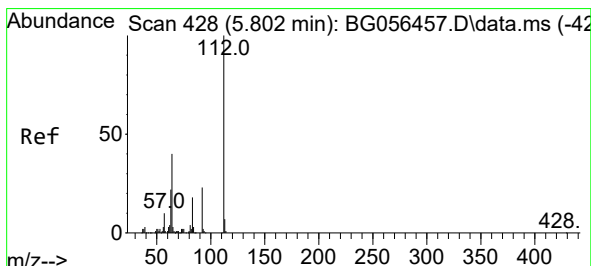
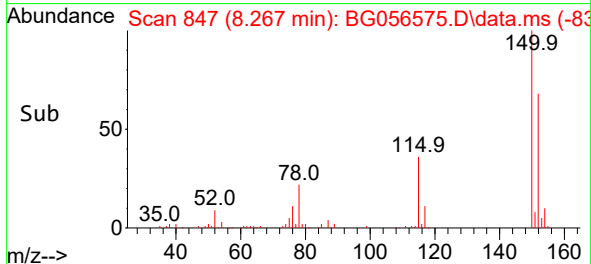
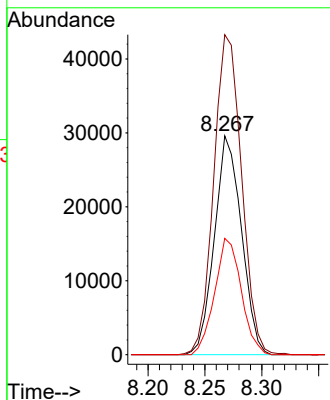


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 847
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

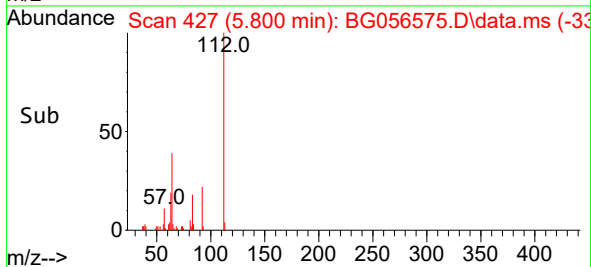
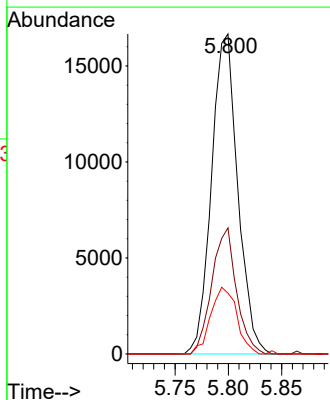
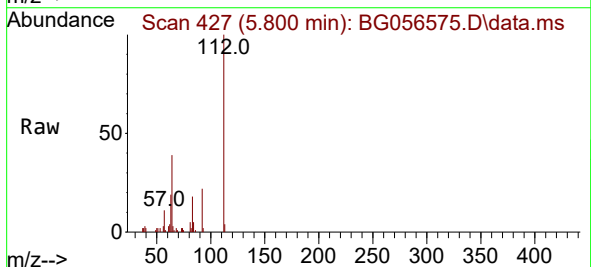


Tgt Ion:152 Resp: 48916
Ion Ratio Lower Upper
152 100
150 146.2 120.2 180.4
115 53.2 36.3 54.5



#5
2-Fluorophenol
Concen: 10.715 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.010 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:112 Resp: 28492
Ion Ratio Lower Upper
112 100
64 39.4 31.9 47.9
63 19.0 17.4 26.0

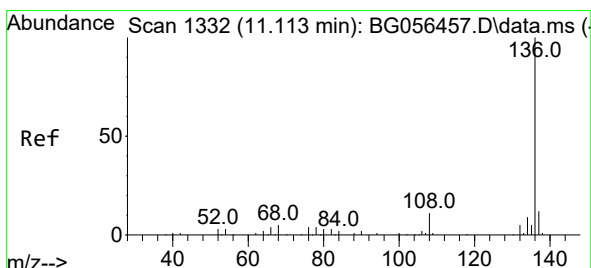
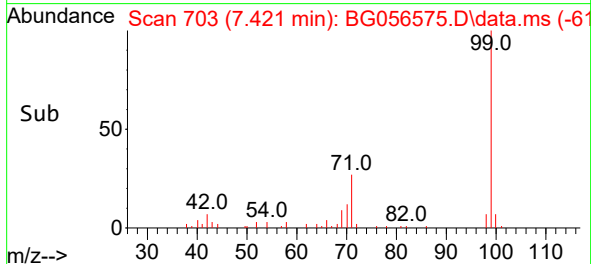
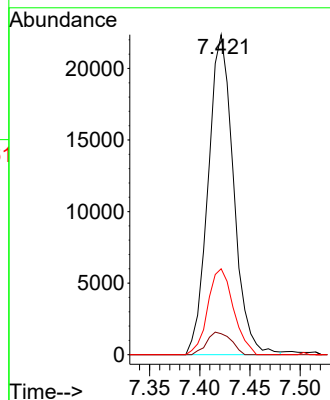
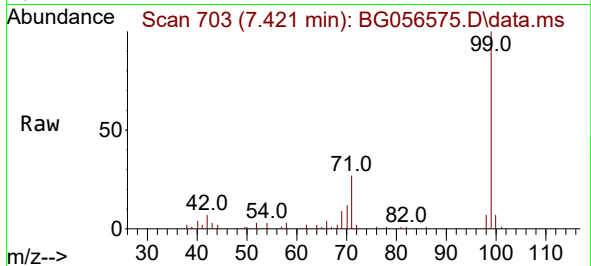




#7
Phenol-d6
Concen: 9.981 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

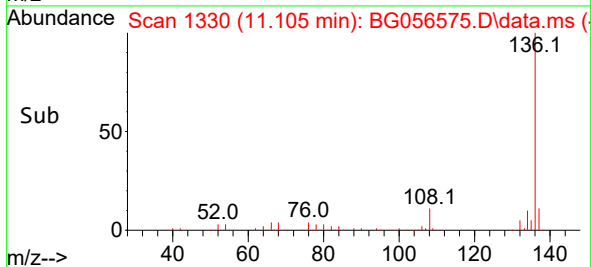
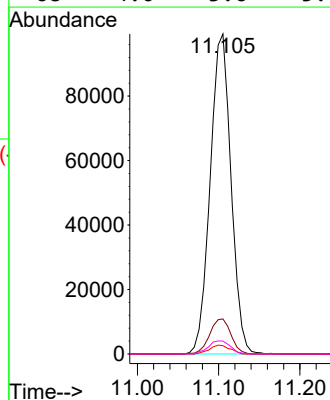
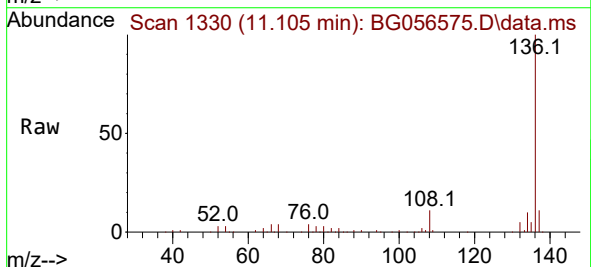
Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

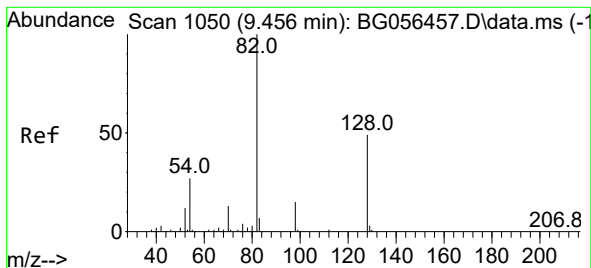
Tgt Ion: 99 Resp: 39323
Ion Ratio Lower Upper
99 100
42 6.6 6.6 10.0#
71 26.8 23.4 35.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1330
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion: 136 Resp: 176650
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 2.6 2.2 3.4
68 4.0 3.6 5.4





#23

Nitrobenzene-d5

Concen: 6.945 ng

RT: 9.448 min Scan# 1048

Delta R.T. 0.004 min

Lab File: BG056575.D

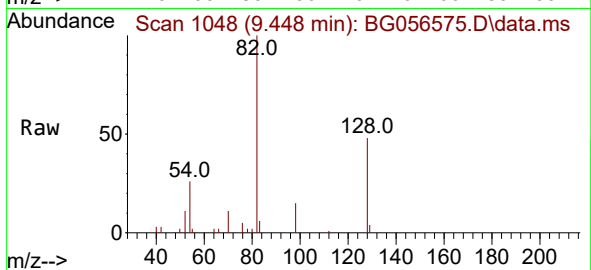
Acq: 7 Feb 2023 20:06

Instrument :

BNA_G

ClientSampleId :

JPP-26-020323



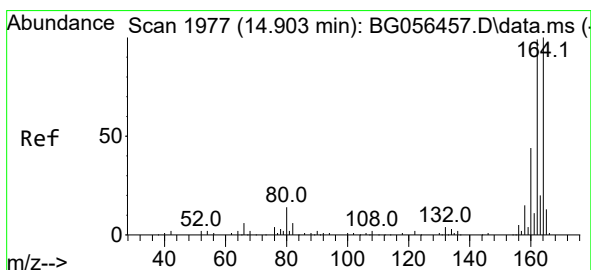
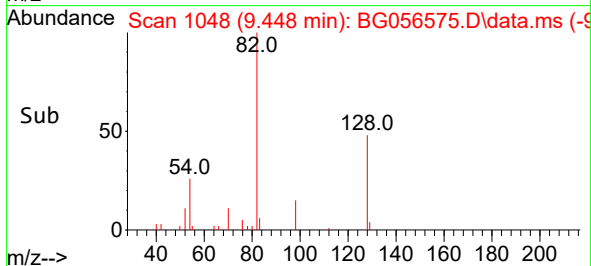
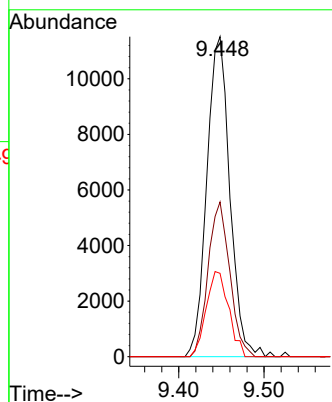
Tgt Ion: 82 Resp: 21605

Ion Ratio Lower Upper

82 100

128 48.4 39.4 59.2

54 26.1 21.4 32.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.889 min Scan# 1974

Delta R.T. -0.002 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

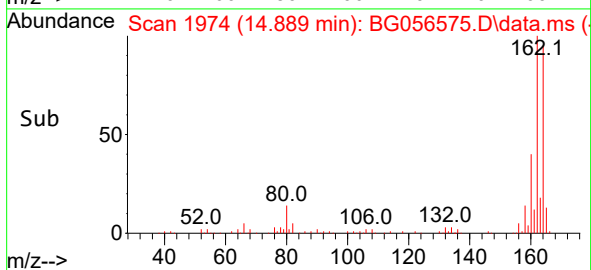
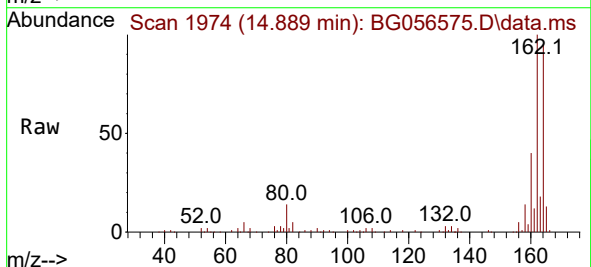
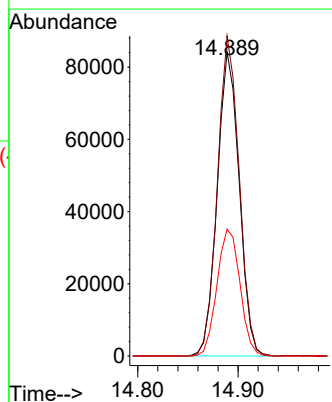
Tgt Ion:164 Resp: 127588

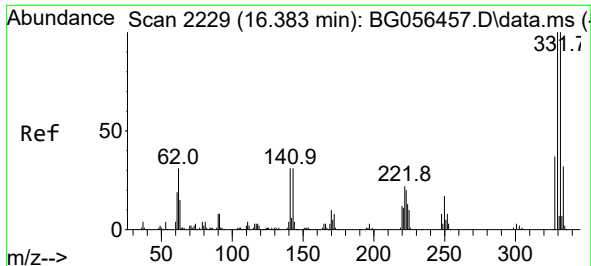
Ion Ratio Lower Upper

164 100

162 105.3 79.6 119.4

160 41.7 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 8.714 ng

RT: 16.375 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG056575.D

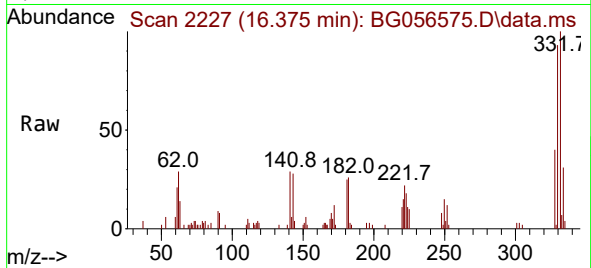
Acq: 7 Feb 2023 20:06

Instrument :

BNA_G

ClientSampleId :

JPP-26-020323



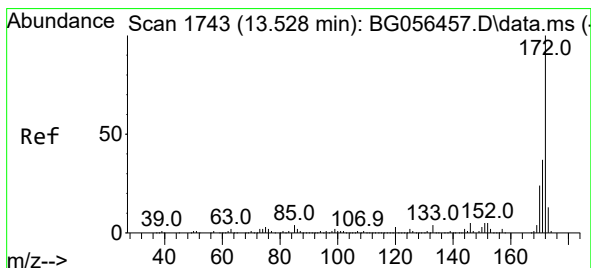
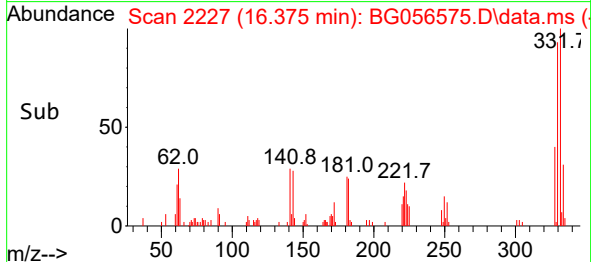
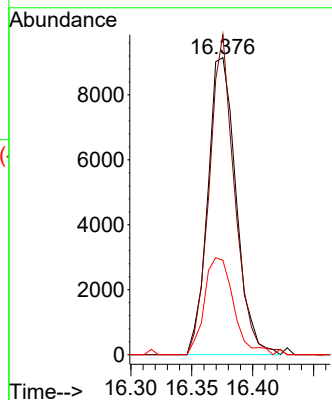
Tgt Ion:330 Resp: 14781

Ion Ratio Lower Upper

330 100

332 96.5 79.0 118.6

141 34.0 24.2 36.4



#45

2-Fluorobiphenyl

Concen: 7.463 ng

RT: 13.514 min Scan# 1740

Delta R.T. -0.002 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

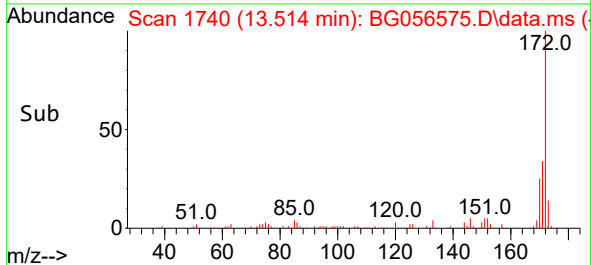
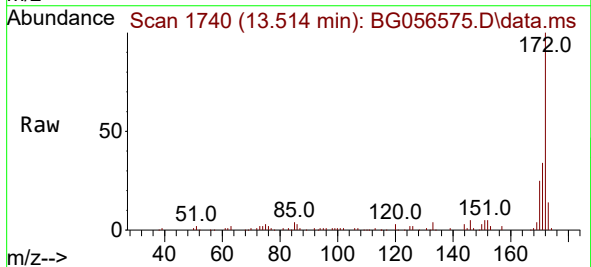
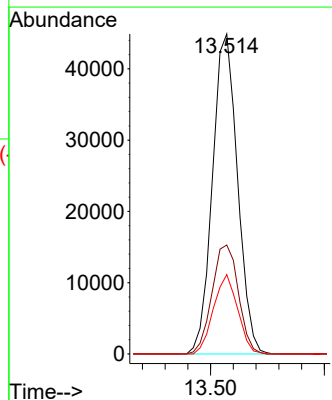
Tgt Ion:172 Resp: 68681

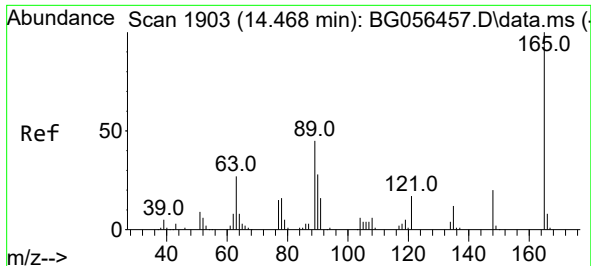
Ion Ratio Lower Upper

172 100

171 34.1 29.5 44.3

170 24.8 19.2 28.8

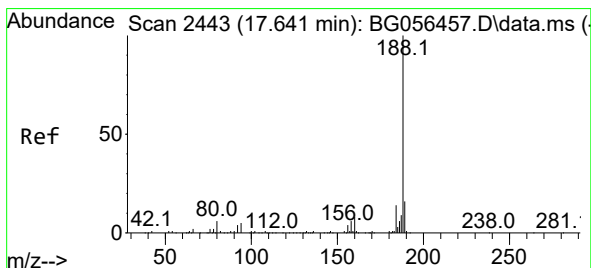
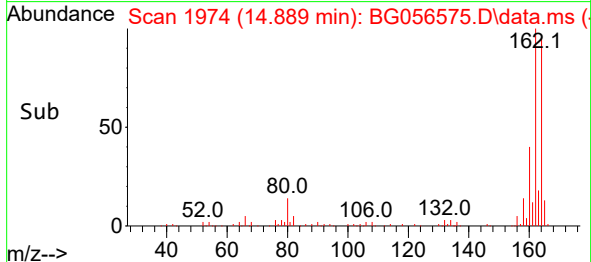
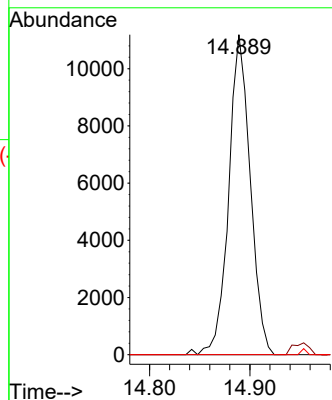
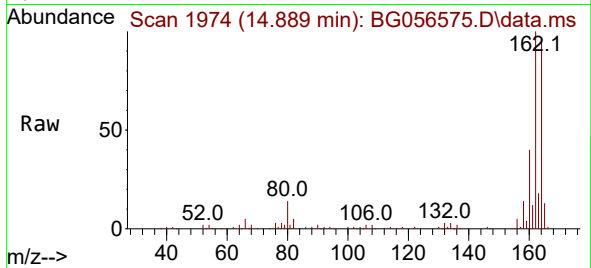




#51
2,6-Dinitrotoluene
Concen: 7.426 ng
RT: 14.889 min Scan# 1903
Delta R.T. 0.427 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

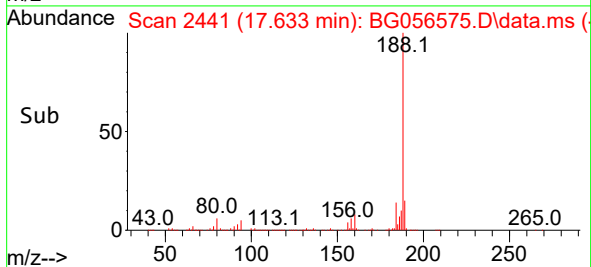
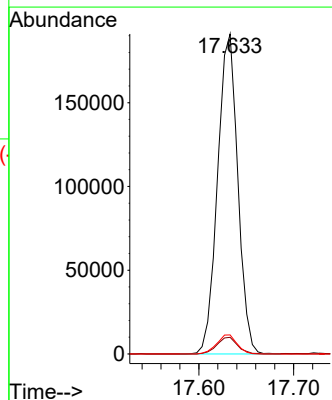
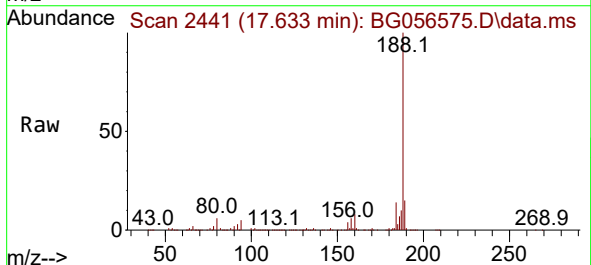
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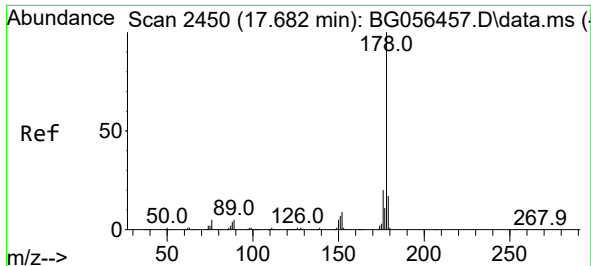
Tgt Ion:165 Resp: 16716
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 0.0 35.6 53.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 2441
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:188 Resp: 283481
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 6.0 5.0 7.4

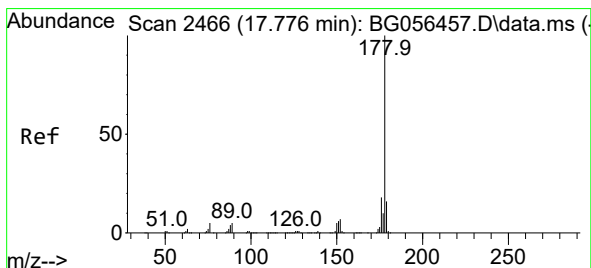
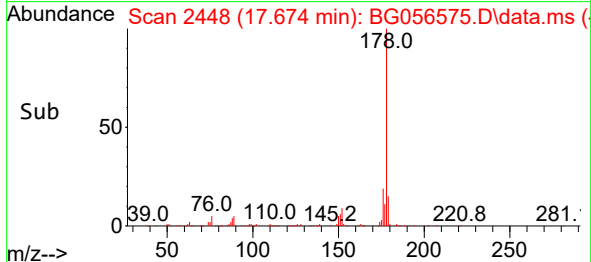
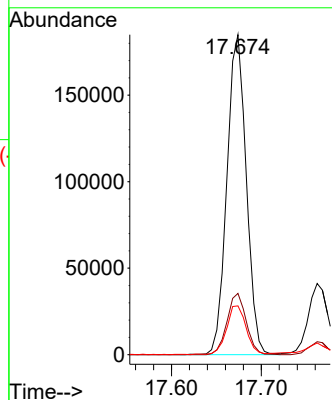
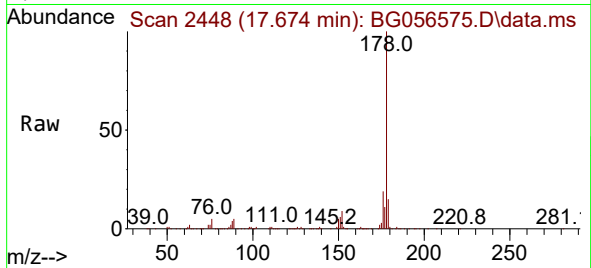




#71
Phenanthrene
Concen: 18.687 ng
RT: 17.674 min Scan# 2448
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

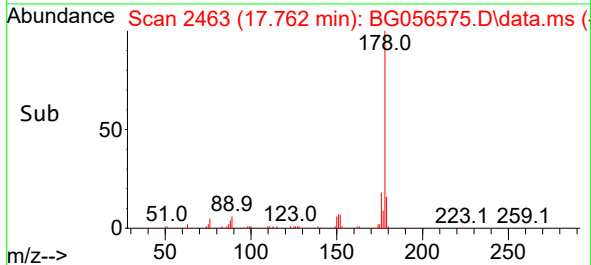
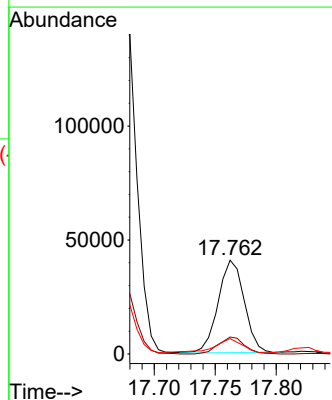
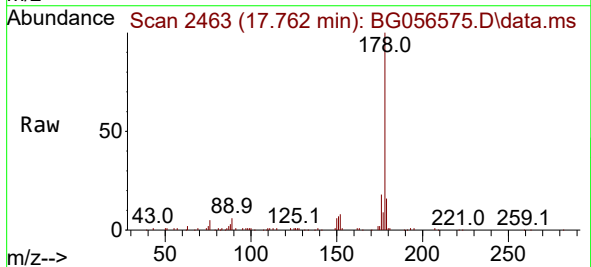
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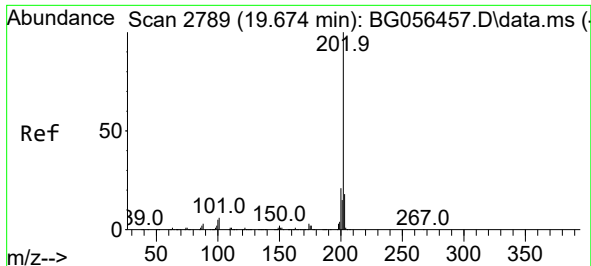
Tgt Ion:178 Resp: 277251
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.3 13.3 19.9



#72
Anthracene
Concen: 3.977 ng
RT: 17.762 min Scan# 2463
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:178 Resp: 60571
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 16.3 12.5 18.7

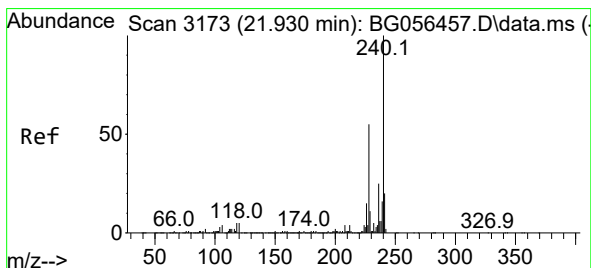
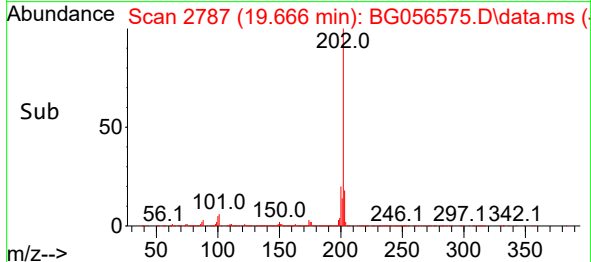
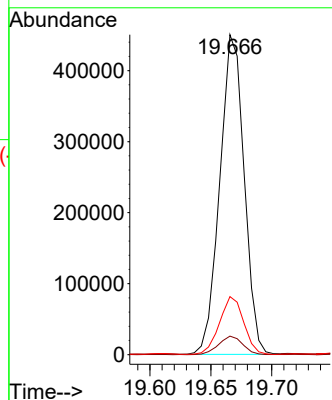
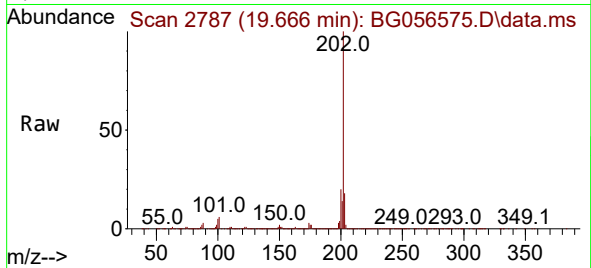




#75
Fluoranthene
Concen: 33.400 ng
RT: 19.666 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

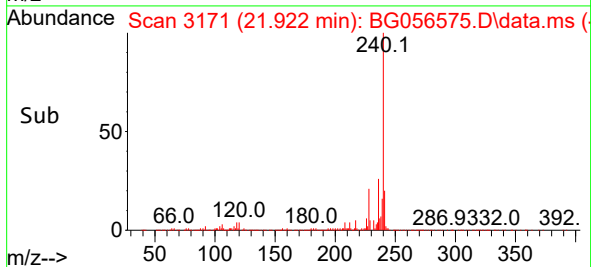
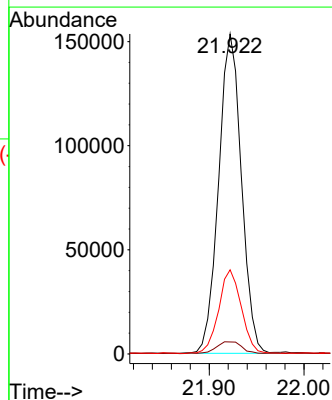
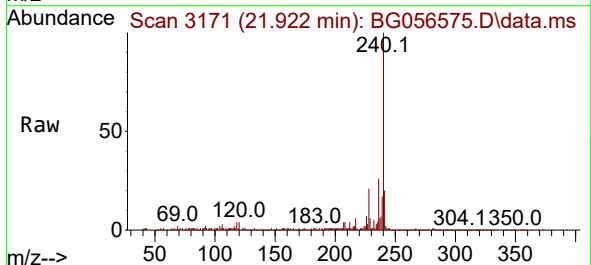
Instrument :
BNA_G
ClientSampleId :
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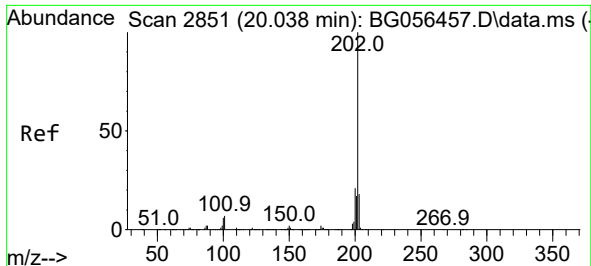
Tgt Ion:202 Resp: 625446
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.6
203 18.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.922 min Scan# 3171
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:240 Resp: 256269
Ion Ratio Lower Upper
240 100
120 3.7 3.8 5.8#
236 26.3 20.2 30.2

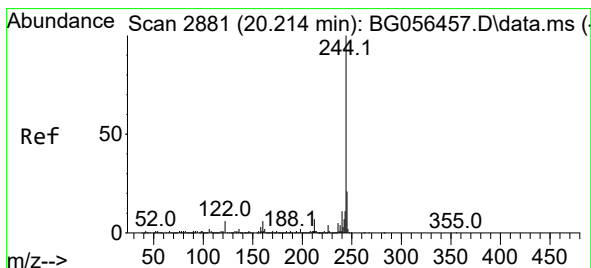
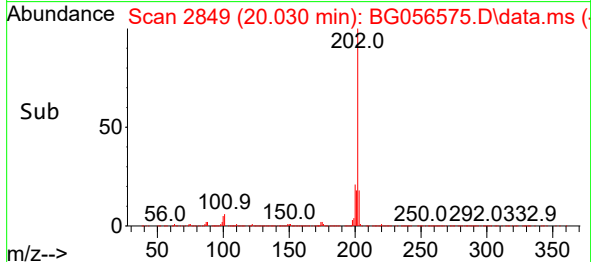
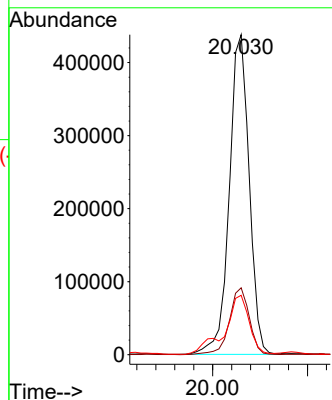
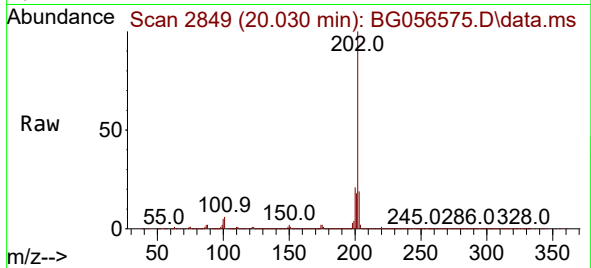




#78
 Pyrene
 Concen: 34.924 ng
 RT: 20.030 min Scan# 2849
 Delta R.T. 0.004 min
 Lab File: BG056575.D
 Acq: 7 Feb 2023 20:06

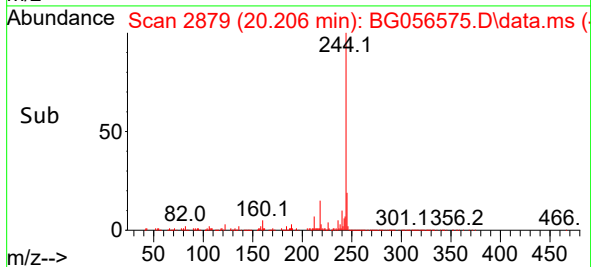
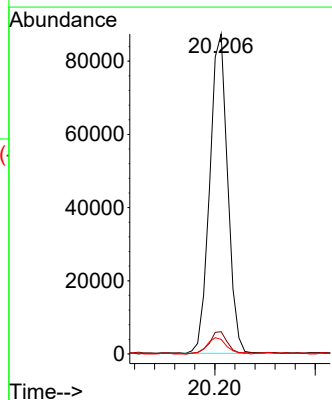
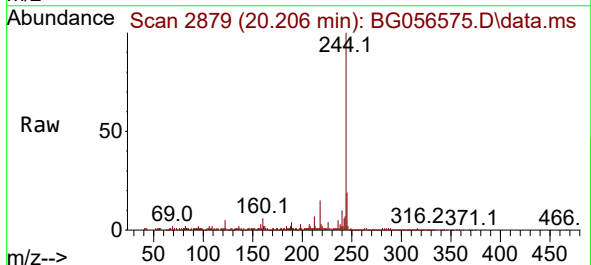
Instrument :
 BNA_G
 ClientSampleId :
 JPP-26-020323

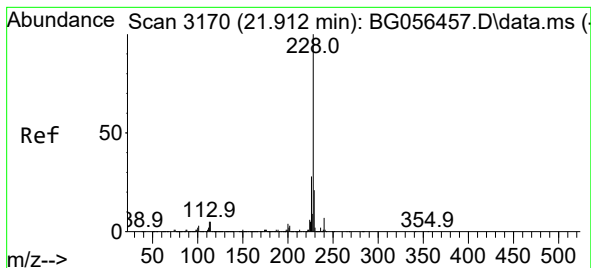
Tgt Ion:202 Resp: 636545
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 18.6 14.4 21.6



#79
 Terphenyl-d14
 Concen: 7.411 ng
 RT: 20.206 min Scan# 2879
 Delta R.T. -0.002 min
 Lab File: BG056575.D
 Acq: 7 Feb 2023 20:06

Tgt Ion:244 Resp: 108127
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 4.5 4.4 6.6





#81

Benzo(a)anthracene

Concen: 16.000 ng

RT: 21.904 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

Instrument :

BNA_G

ClientSampleId :

JPP-26-020323

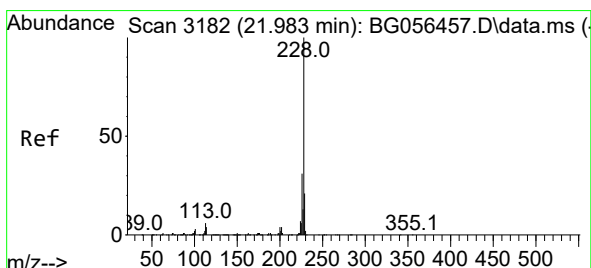
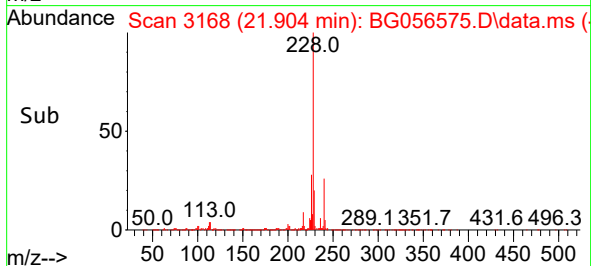
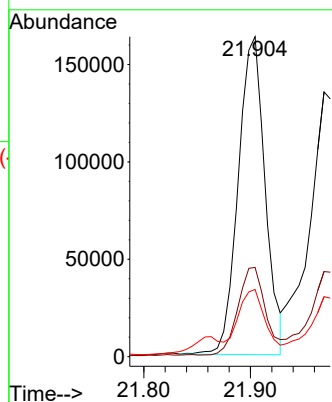
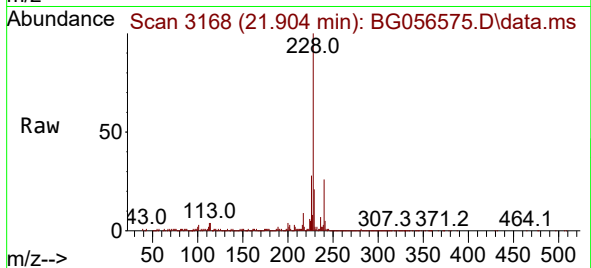
Tgt Ion:228 Resp: 286652

Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

229 21.0 16.5 24.7



#83

Chrysene

Concen: 15.436 ng

RT: 21.969 min Scan# 3179

Delta R.T. -0.002 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

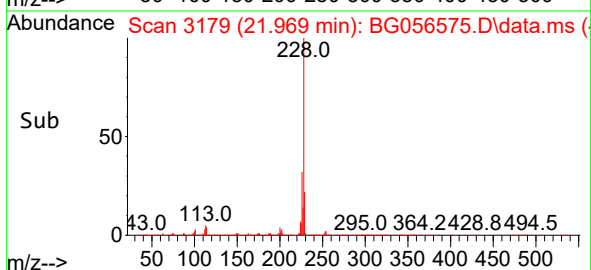
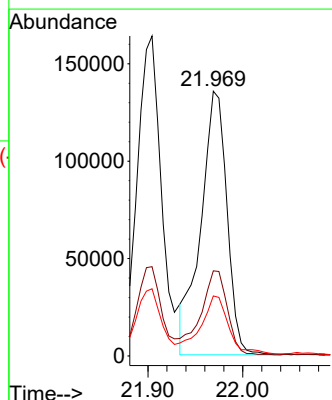
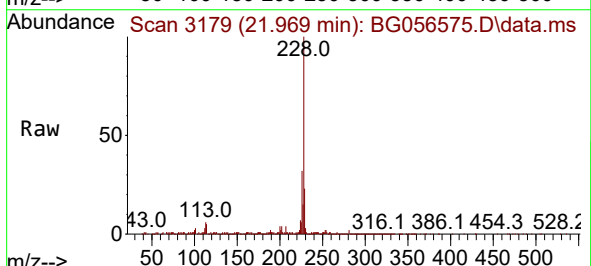
Tgt Ion:228 Resp: 259809

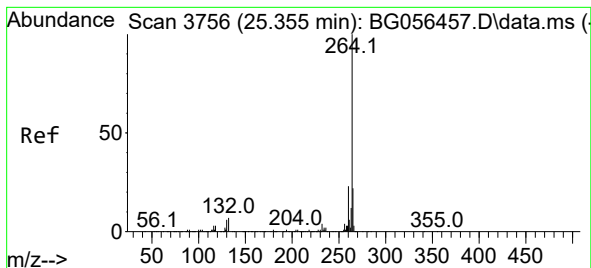
Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.4

229 22.7 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.353 min Scan# 31

Delta R.T. 0.016 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

Instrument :

BNA_G

ClientSampleId :

JPP-26-020323

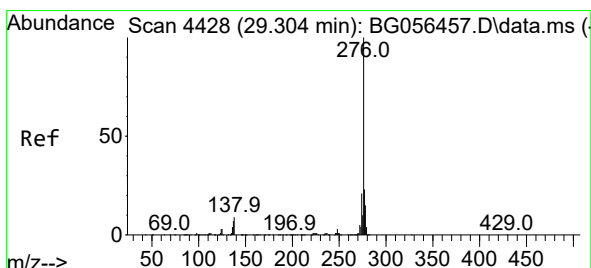
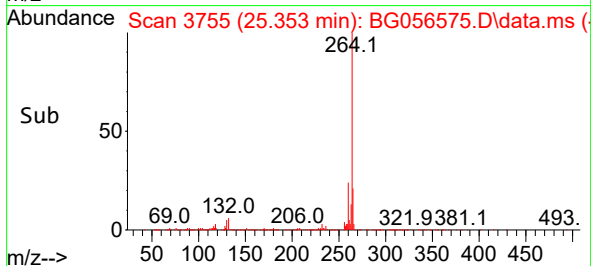
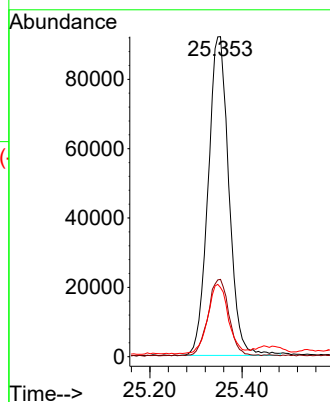
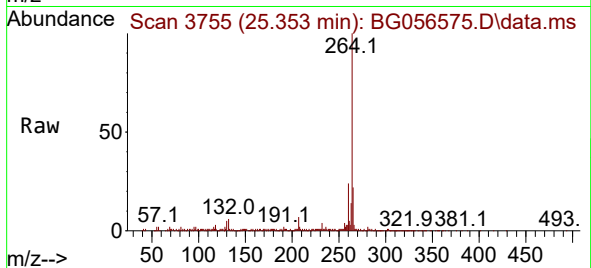
Tgt Ion:264 Resp: 287338

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 21.6 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.855 ng

RT: 29.290 min Scan# 4425

Delta R.T. 0.004 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

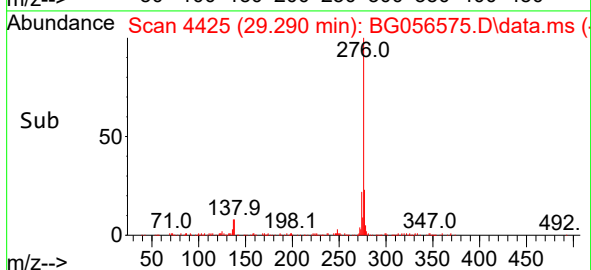
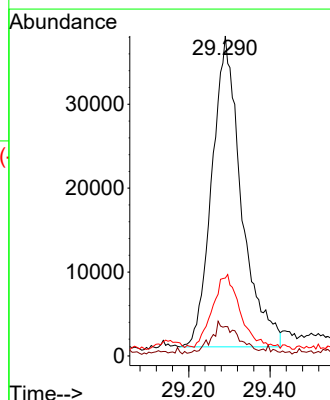
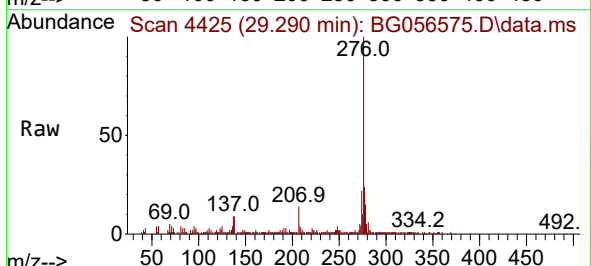
Tgt Ion:276 Resp: 186249

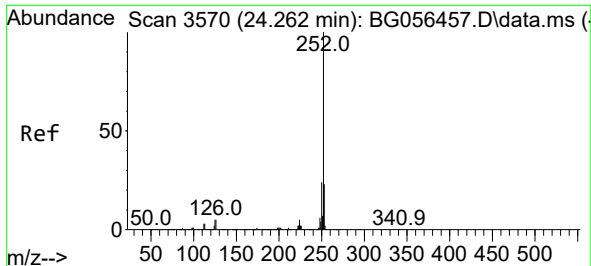
Ion Ratio Lower Upper

276 100

138 0.0 9.4 14.2#

277 23.1 20.3 30.5

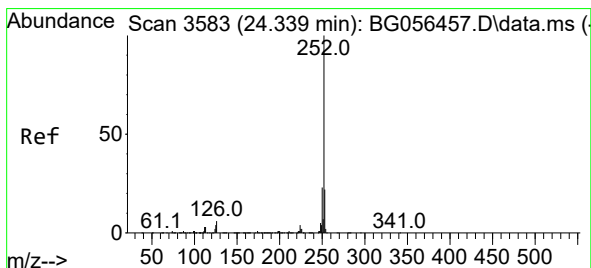
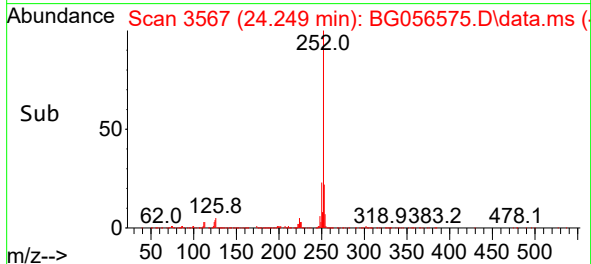
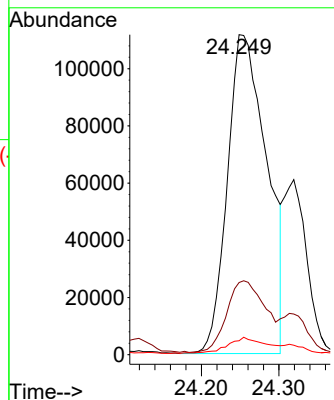
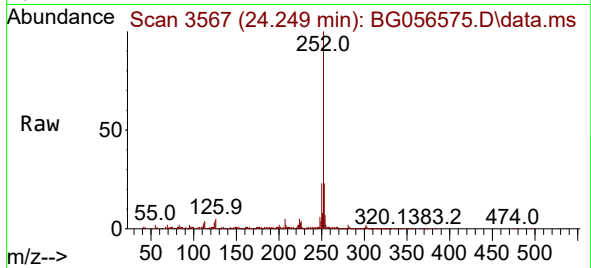




#88
Benzo(b)fluoranthene
Concen: 22.116 ng
RT: 24.249 min Scan# 3567
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

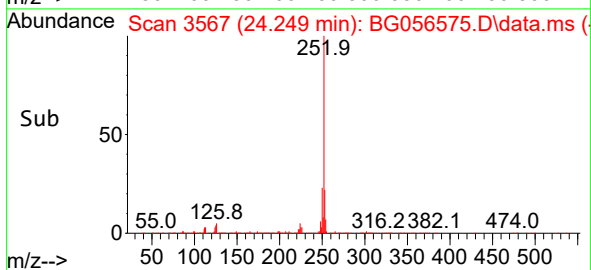
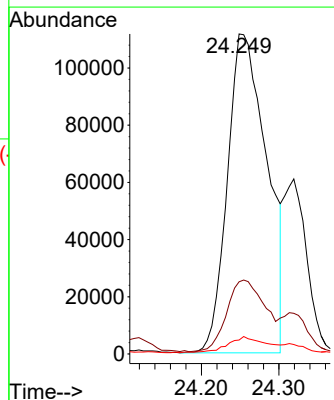
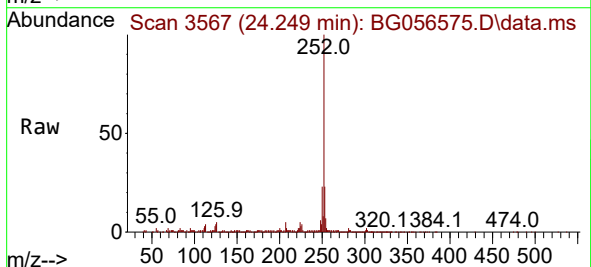
Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

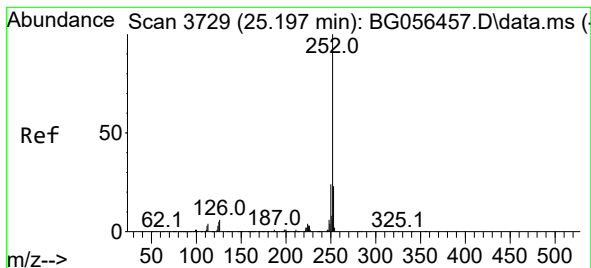
Tgt Ion:252 Resp: 394432
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 4.3 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 21.905 ng
RT: 24.249 min Scan# 3567
Delta R.T. -0.073 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:252 Resp: 394432
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 4.3 3.4 5.0





#90

Benzo(a)pyrene

Concen: 18.520 ng

RT: 25.183 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

Instrument :

BNA_G

ClientSampleId :

JPP-26-020323

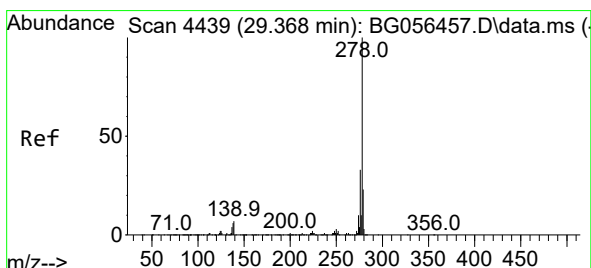
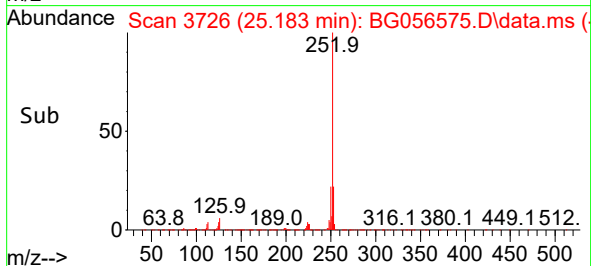
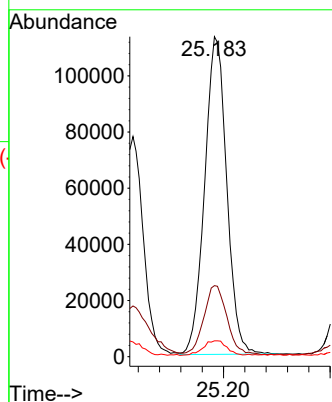
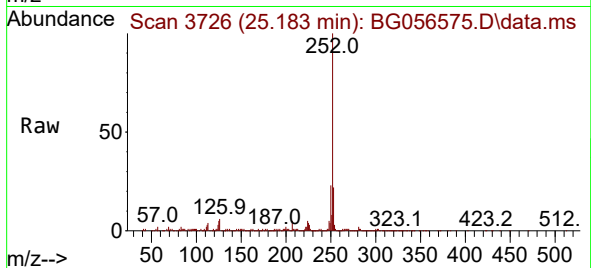
Tgt Ion:252 Resp: 325367

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

125 5.0 4.1 6.1



#91

Dibenzo(a,h)anthracene

Concen: 2.192 ng

RT: 29.325 min Scan# 4431

Delta R.T. -0.020 min

Lab File: BG056575.D

Acq: 7 Feb 2023 20:06

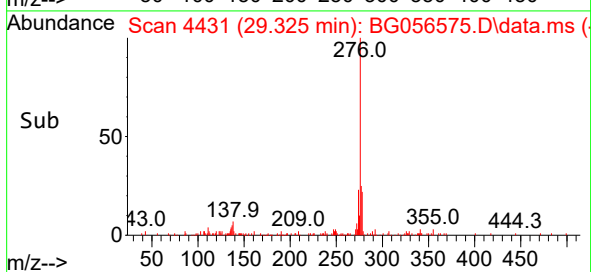
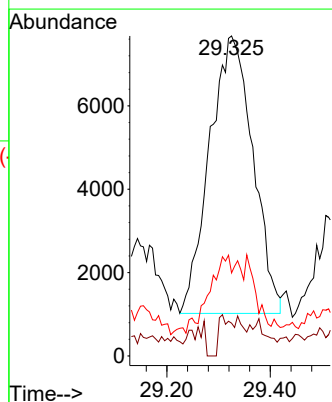
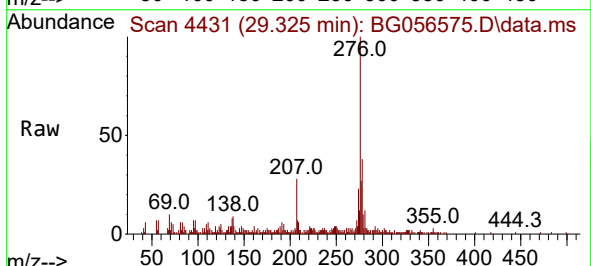
Tgt Ion:278 Resp: 38707

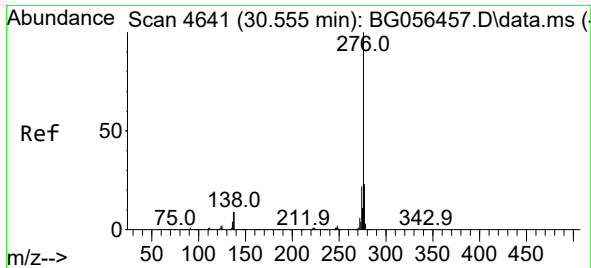
Ion Ratio Lower Upper

278 100

139 10.2 5.5 8.3#

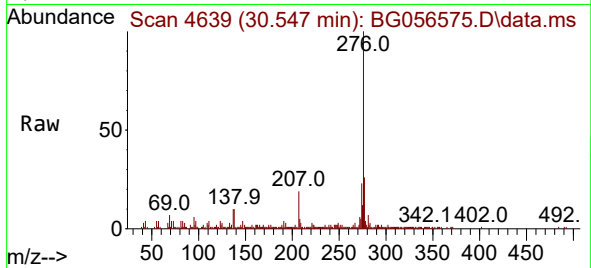
279 26.0 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 11.576 ng
 RT: 30.547 min Scan# 4639
 Delta R.T. 0.021 min
 Lab File: BG056575.D
 Acq: 7 Feb 2023 20:06

Instrument :
 BNA_G
 ClientSampleId :
 JPP-26-020323



Tgt Ion:276 Resp: 197200
 Ion Ratio Lower Upper
 276 100
 277 25.8 18.5 27.7
 138 10.2 7.4 11.0

