

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056562.D
 Acq On : 6 Feb 2023 19:49
 Operator : CG/JU
 Sample : 01418-11DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-20-020223DL

Quant Time: Feb 07 04:35:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

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

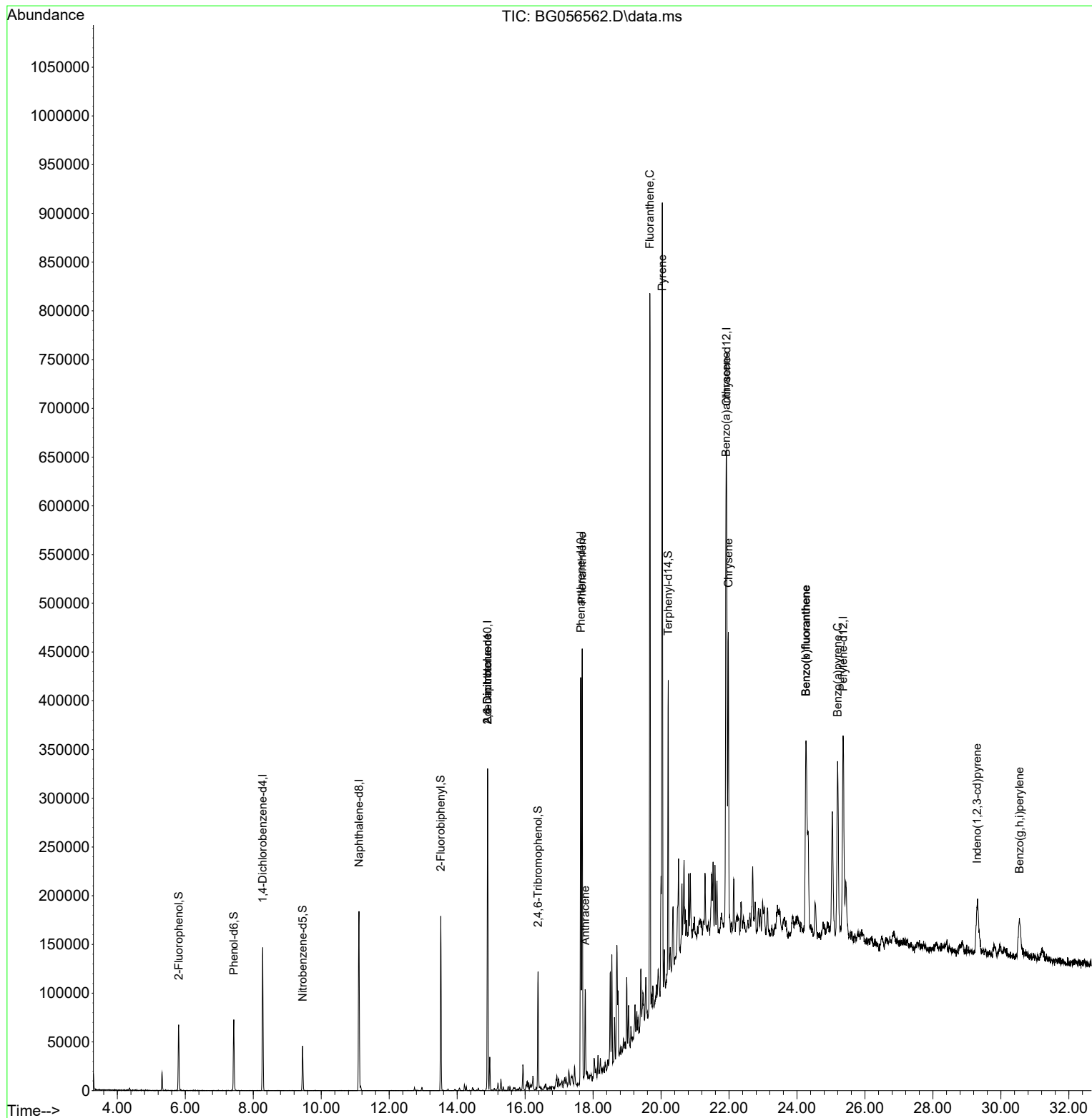
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.278	152	49170	20.000	ng	0.00
21) Naphthalene-d8	11.110	136	179320	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	131334	20.000	ng	0.00
64) Phenanthrene-d10	17.637	188	291717	20.000	ng	0.00
76) Chrysene-d12	21.927	240	264804	20.000	ng	0.00
86) Perylene-d12	25.358	264	292454	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.804	112	42606	15.940	ng	0.01
7) Phenol-d6	7.426	99	60106	15.177	ng	0.00
23) Nitrobenzene-d5	9.453	82	32448	10.275	ng	0.00
42) 2,4,6-Tribromophenol	16.380	330	25348	14.518	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	101716	10.738	ng	0.00
79) Terphenyl-d14	20.211	244	154310	10.235	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.894	165	18127	7.823	ng	# 37
57) 2,4-Dinitrotoluene	14.894	165	18127	5.554	ng	# 36
71) Phenanthrene	17.679	178	295564	19.358	ng	98
72) Anthracene	17.767	178	68082	4.344	ng	100
75) Fluoranthene	19.670	202	515262	26.739	ng	99
78) Pyrene	20.035	202	570495	30.292	ng	99
81) Benzo(a)anthracene	21.909	228	276684	14.946	ng	99
83) Chrysene	21.979	228	246616	14.179	ng	99
87) Indeno(1,2,3-cd)pyrene	29.300	276	116788	5.455	ng	# 87
88) Benzo(b)fluoranthene	24.265	252	295914	16.302	ng	# 98
89) Benzo(k)fluoranthene	24.265	252	295914	16.146	ng	# 96
90) Benzo(a)pyrene	25.193	252	247704	13.853	ng	100
92) Benzo(g,h,i)perylene	30.546	276	113756	6.561	ng	98

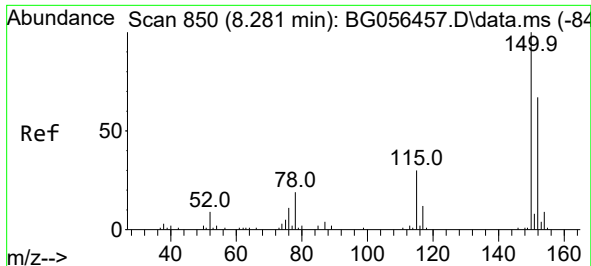
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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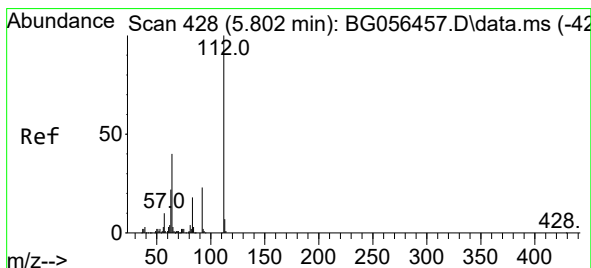
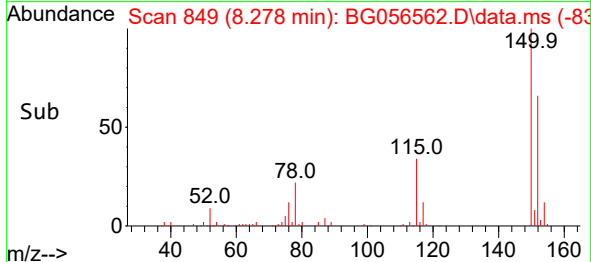
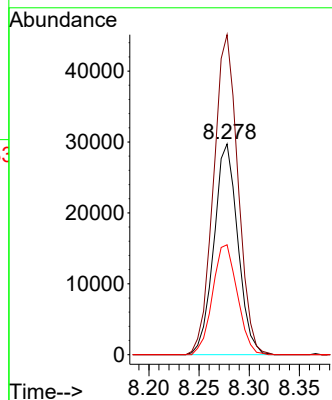
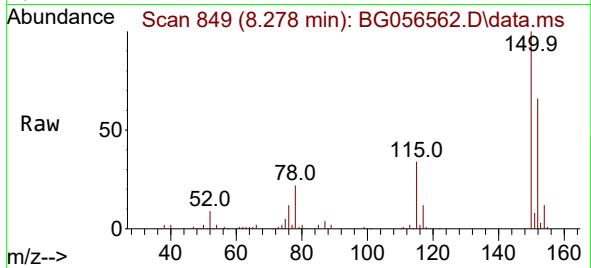




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.278 min Scan# 849
Delta R.T. 0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

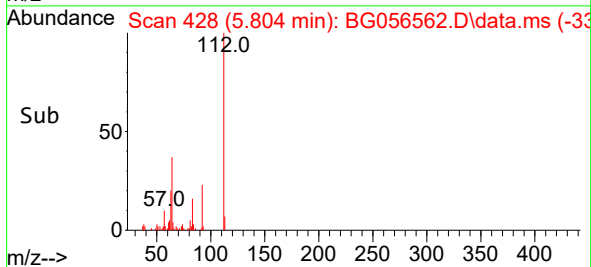
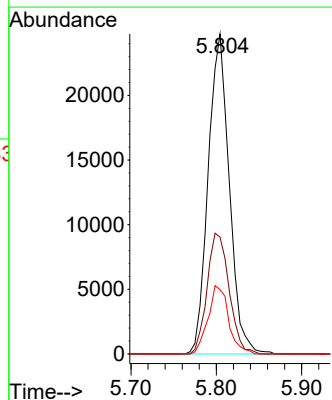
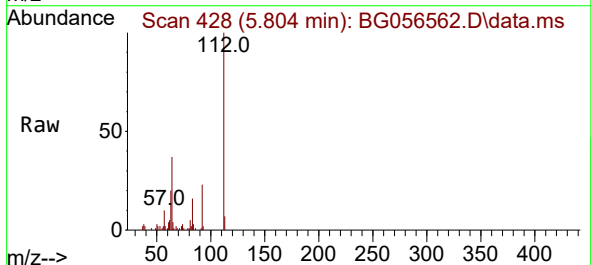
Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL

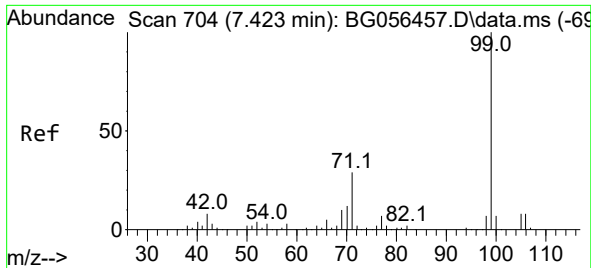
Tgt Ion:152 Resp: 49170
Ion Ratio Lower Upper
152 100
150 151.8 120.2 180.4
115 52.2 36.3 54.5



#5
2-Fluorophenol
Concen: 15.940 ng
RT: 5.804 min Scan# 428
Delta R.T. 0.014 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Tgt Ion:112 Resp: 42606
Ion Ratio Lower Upper
112 100
64 36.5 31.9 47.9
63 20.1 17.4 26.0

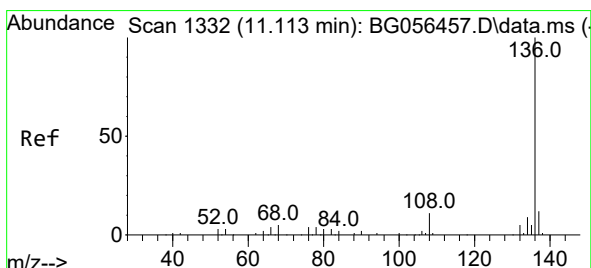
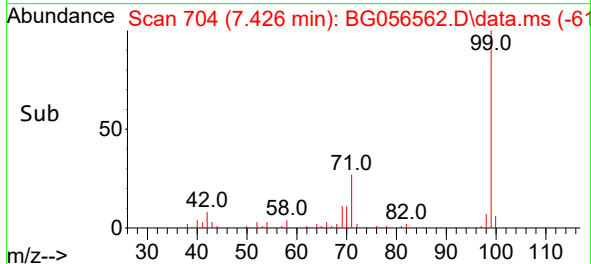
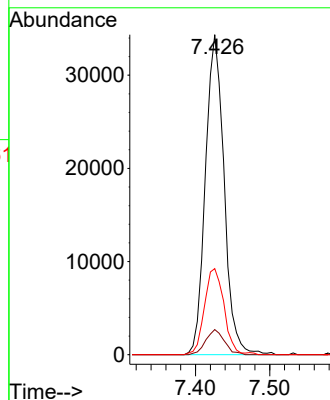
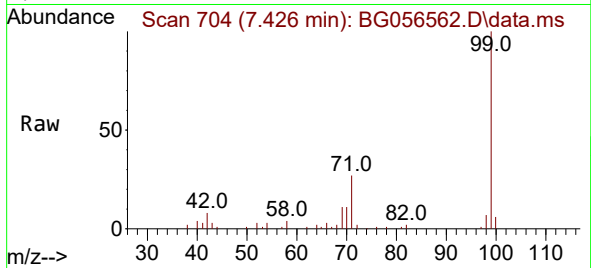




#7
Phenol-d6
Concen: 15.177 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.009 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

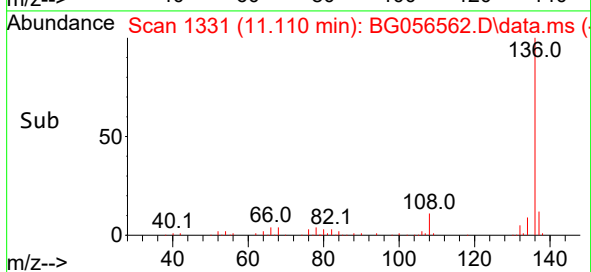
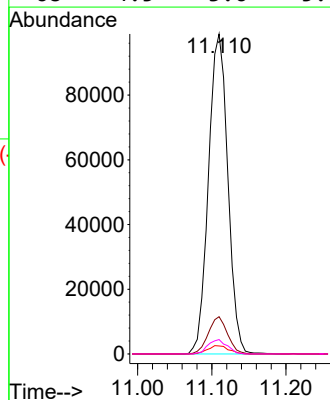
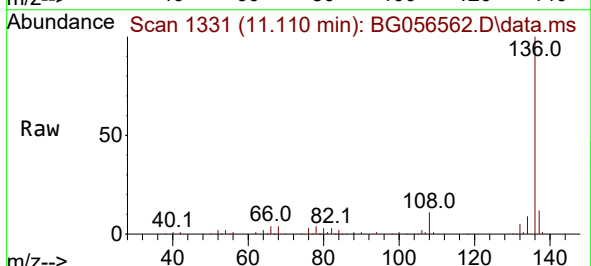
Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL

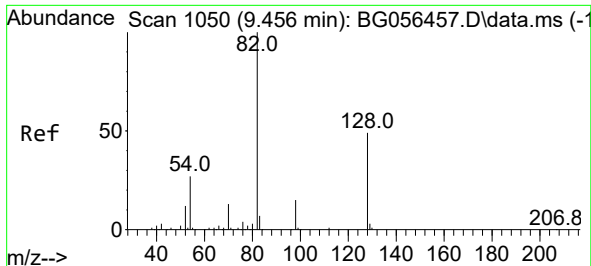
Tgt Ion: 99 Resp: 60106
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 26.9 23.4 35.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.110 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Tgt Ion:136 Resp: 179320
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.5 2.2 3.4
68 4.5 3.6 5.4





#23

Nitrobenzene-d5

Concen: 10.275 ng

RT: 9.453 min Scan# 1049

Delta R.T. 0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

ClientSampleId :

JPP-20-020223DL

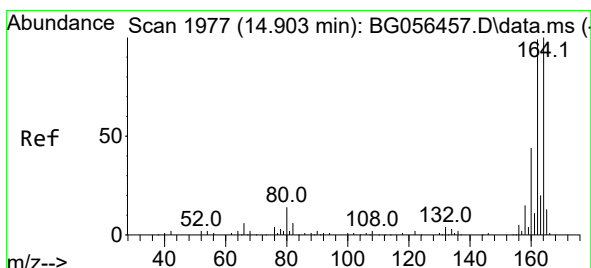
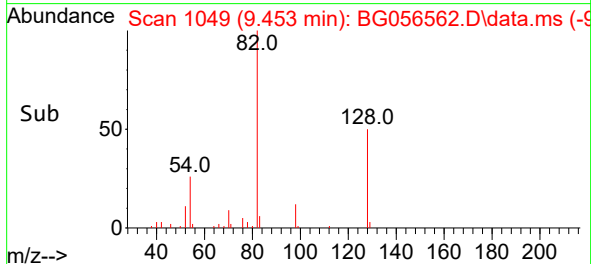
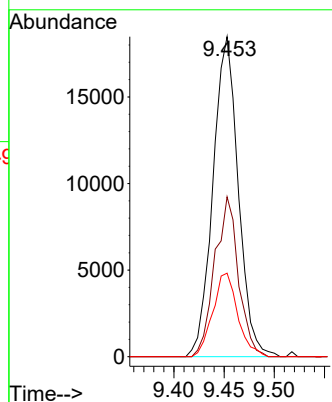
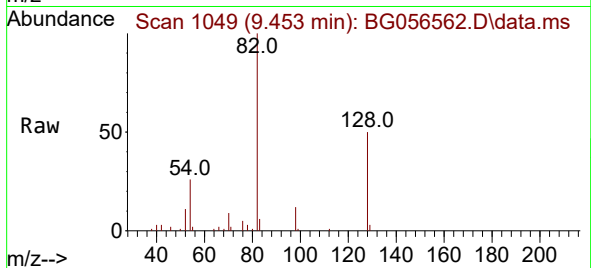
Tgt Ion: 82 Resp: 32448

Ion Ratio Lower Upper

82 100

128 50.0 39.4 59.2

54 26.1 21.4 32.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.894 min Scan# 1975

Delta R.T. -0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

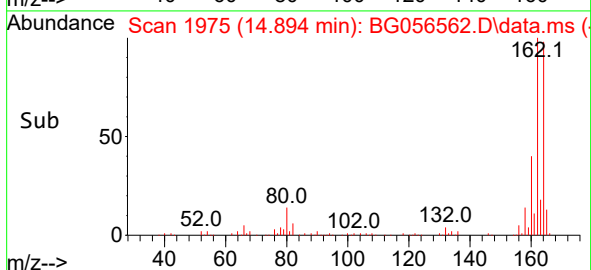
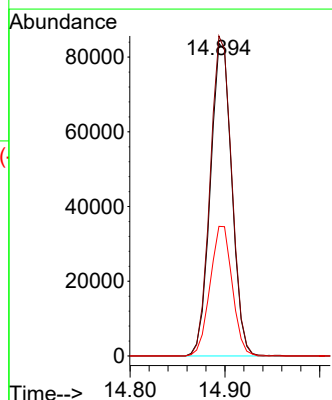
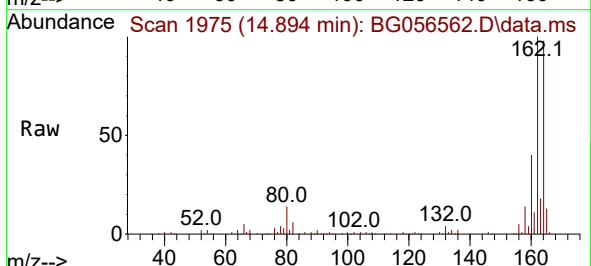
Tgt Ion: 164 Resp: 131334

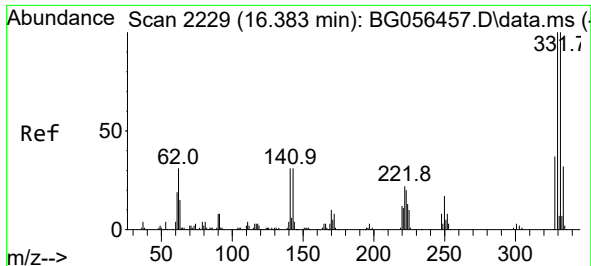
Ion Ratio Lower Upper

164 100

162 102.4 79.6 119.4

160 41.5 34.9 52.3

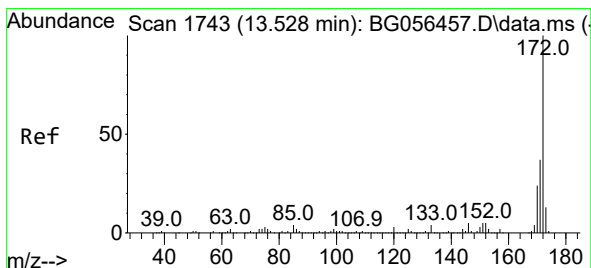
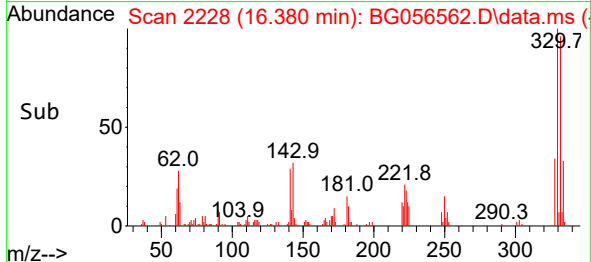
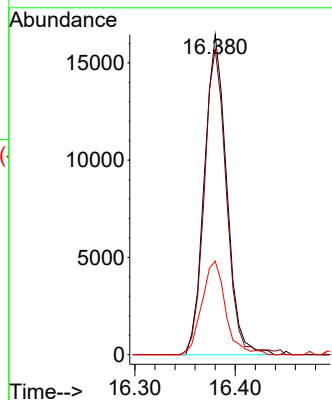
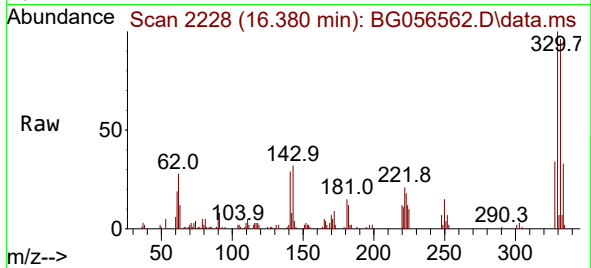




#42
 2,4,6-Tribromophenol
 Concen: 14.518 ng
 RT: 16.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

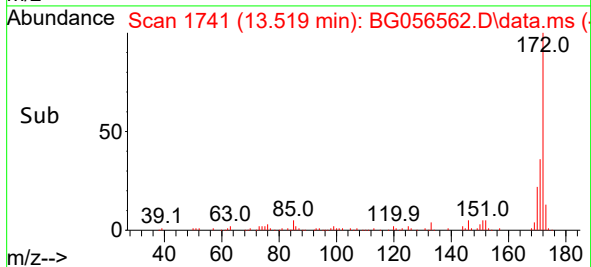
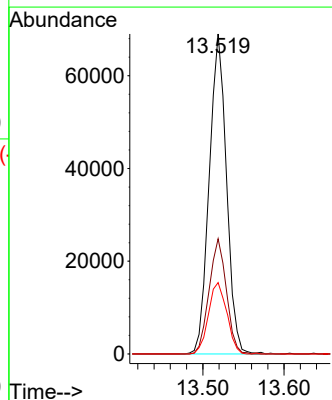
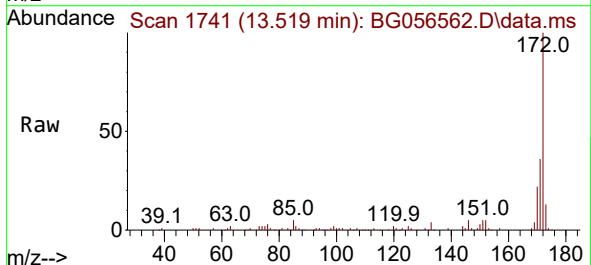
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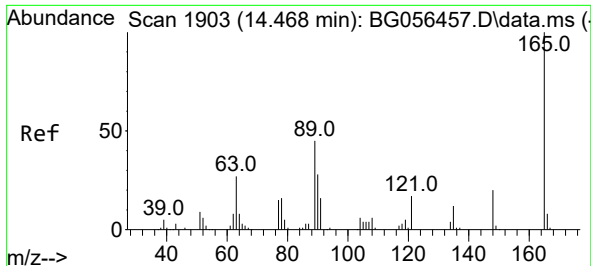
Tgt Ion:330 Resp: 25348
 Ion Ratio Lower Upper
 330 100
 332 95.5 79.0 118.6
 141 31.2 24.2 36.4



#45
 2-Fluorobiphenyl
 Concen: 10.738 ng
 RT: 13.519 min Scan# 1741
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

Tgt Ion:172 Resp: 101716
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.5 44.3
 170 22.3 19.2 28.8

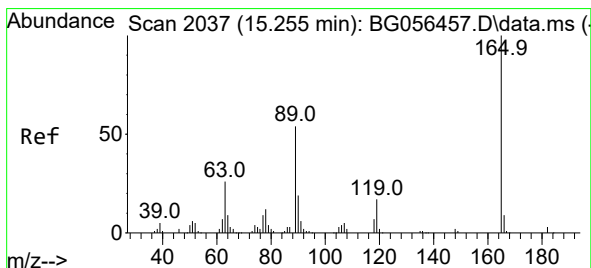
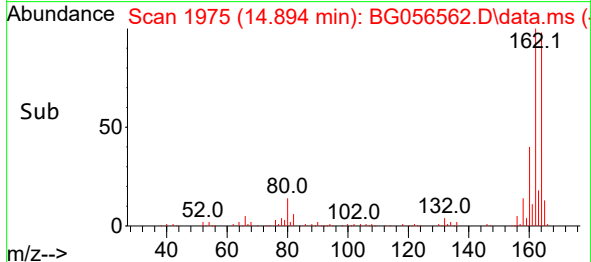
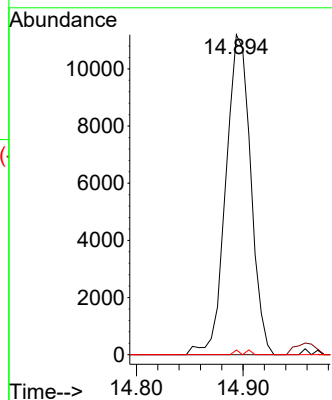
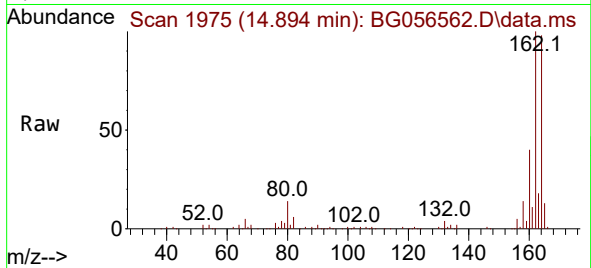




#51
2,6-Dinitrotoluene
Concen: 7.823 ng
RT: 14.894 min Scan# 1903
Delta R.T. 0.426 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

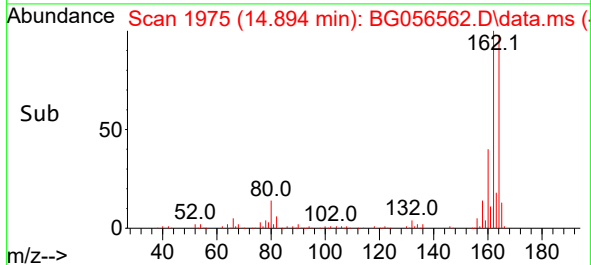
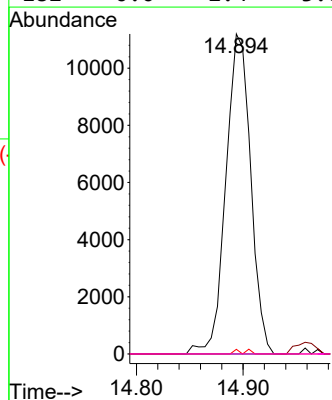
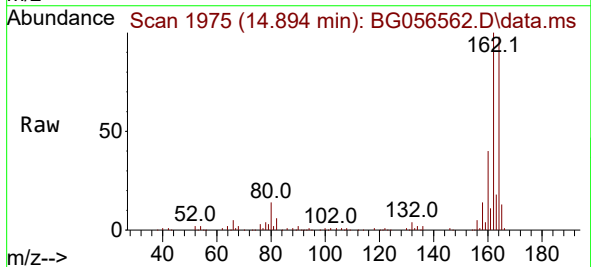
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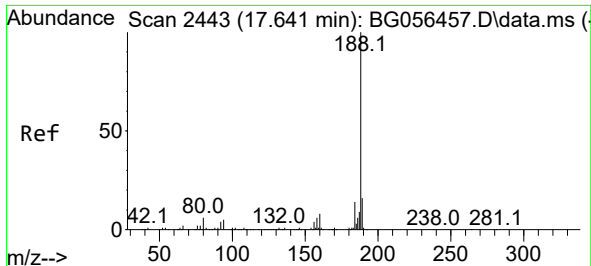
Tgt Ion:165 Resp: 18127
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 1.4 35.6 53.4#



#57
2,4-Dinitrotoluene
Concen: 5.554 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.362 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Tgt Ion:165 Resp: 18127
Ion Ratio Lower Upper
165 100
63 0.0 20.6 31.0#
89 1.4 43.1 64.7#
182 0.0 2.4 3.6#

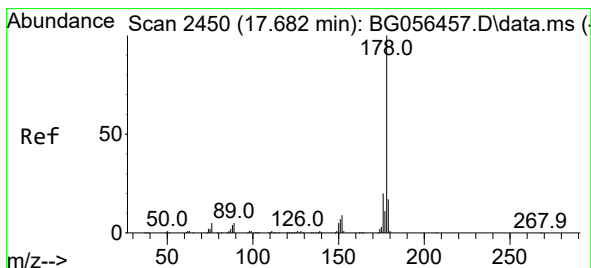
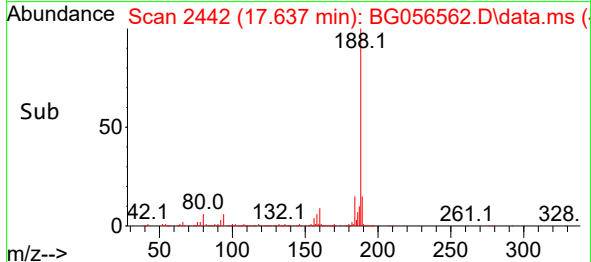
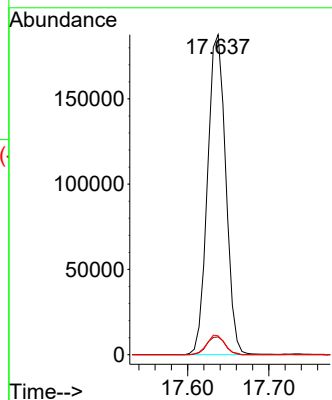
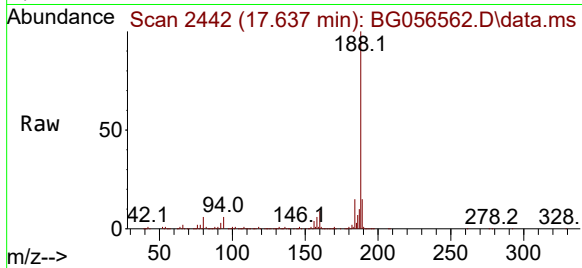




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.637 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

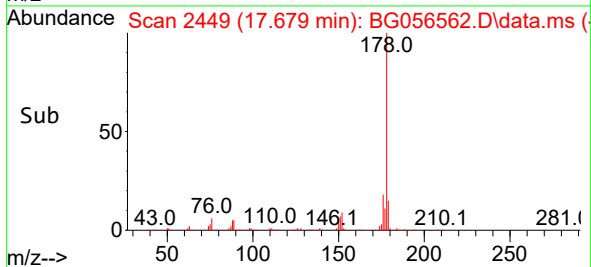
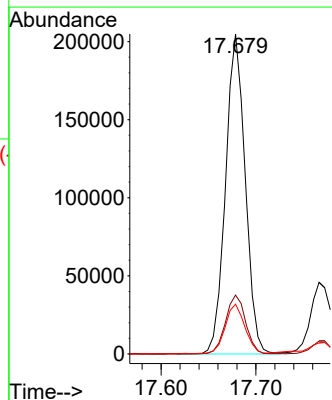
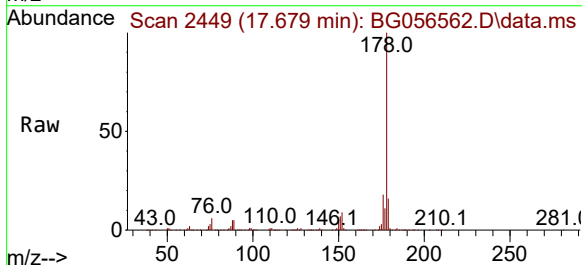
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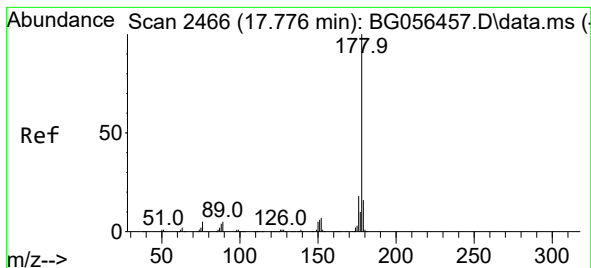
Tgt Ion:188 Resp: 291717
Ion Ratio Lower Upper
188 100
94 5.6 4.1 6.1
80 5.9 5.0 7.4



#71
Phenanthrene
Concen: 19.358 ng
RT: 17.679 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Tgt Ion:178 Resp: 295564
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.6 13.3 19.9





#72

Anthracene

Concen: 4.344 ng

RT: 17.767 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

ClientSampleId :

JPP-20-020223DL

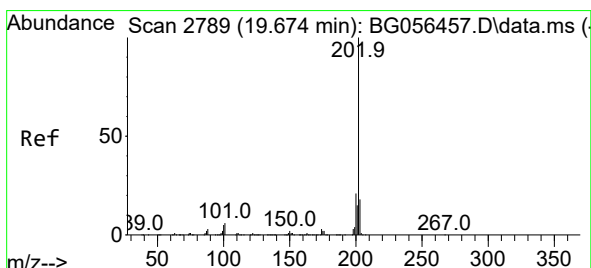
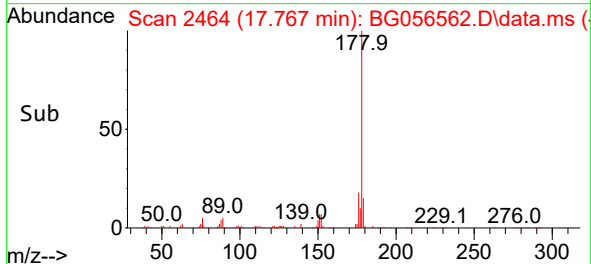
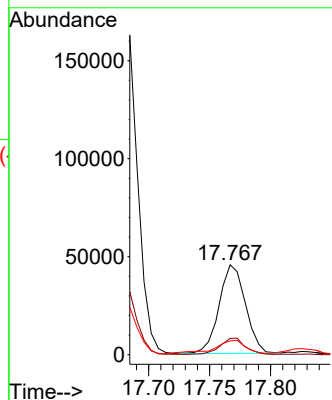
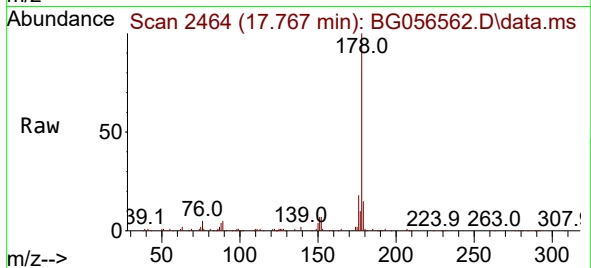
Tgt Ion:178 Resp: 68082

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

179 15.4 12.5 18.7



#75

Fluoranthene

Concen: 26.739 ng

RT: 19.670 min Scan# 2788

Delta R.T. -0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

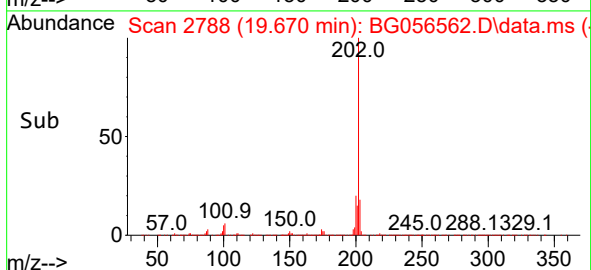
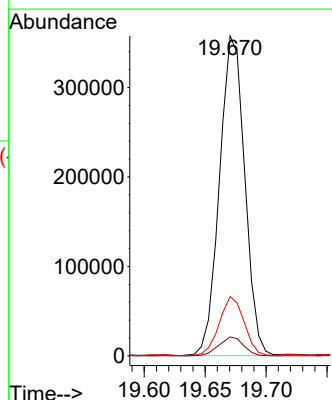
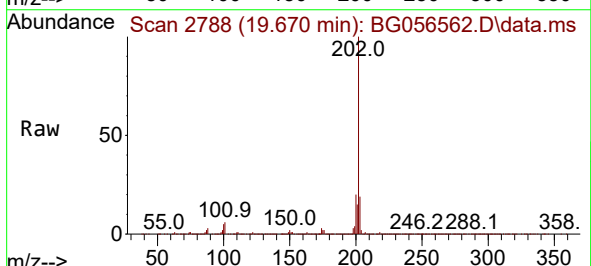
Tgt Ion:202 Resp: 515262

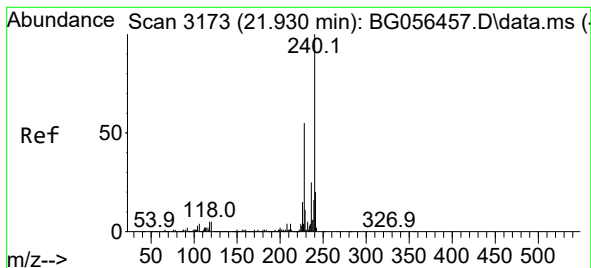
Ion Ratio Lower Upper

202 100

101 6.0 0.0 25.6

203 18.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.927 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

ClientSampleId :

JPP-20-020223DL

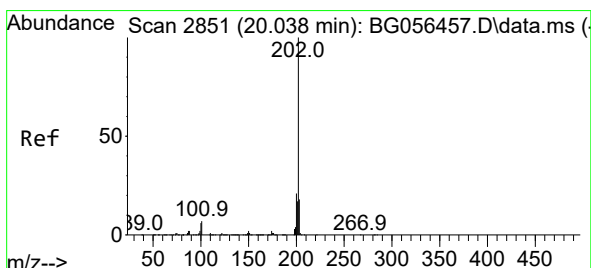
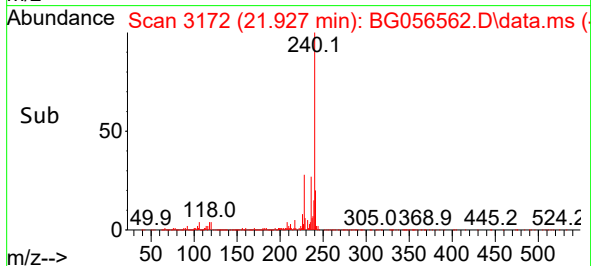
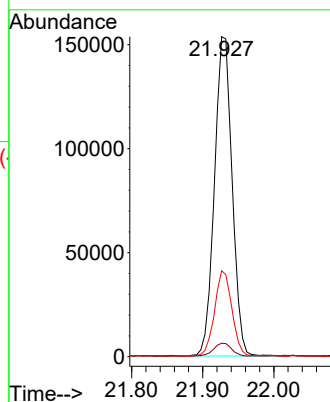
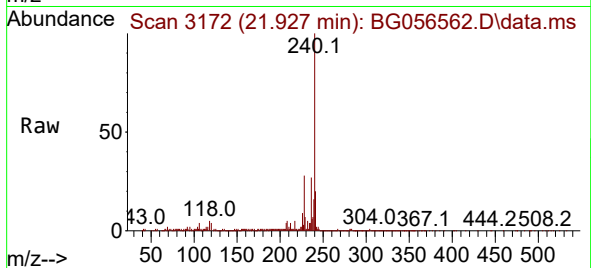
Tgt Ion:240 Resp: 264804

Ion Ratio Lower Upper

240 100

120 4.2 3.8 5.8

236 26.8 20.2 30.2



#78

Pyrene

Concen: 30.292 ng

RT: 20.035 min Scan# 2850

Delta R.T. 0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

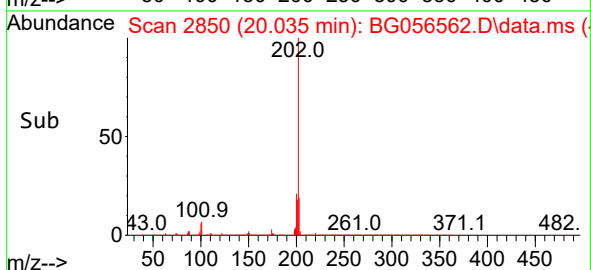
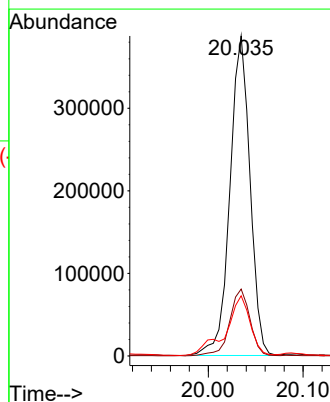
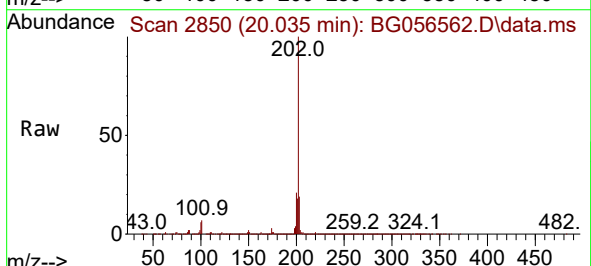
Tgt Ion:202 Resp: 570495

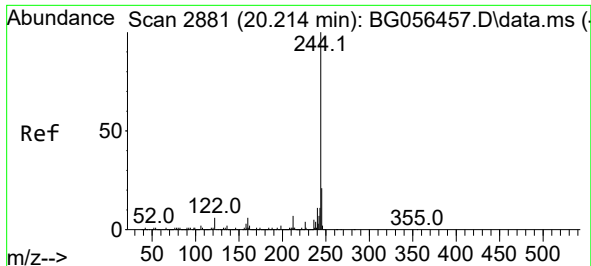
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 18.8 14.4 21.6

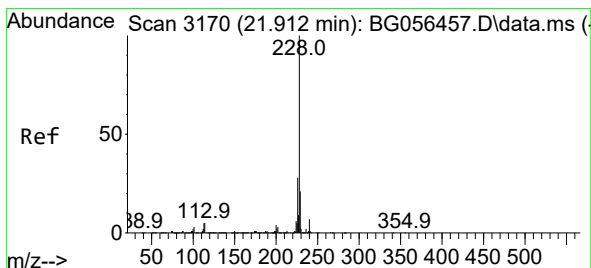
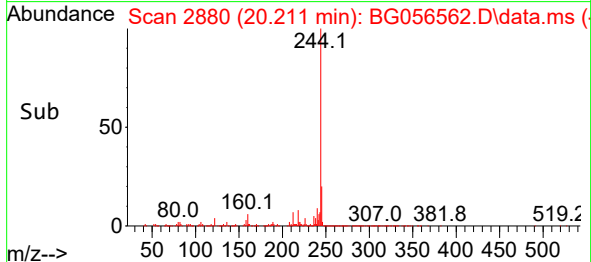
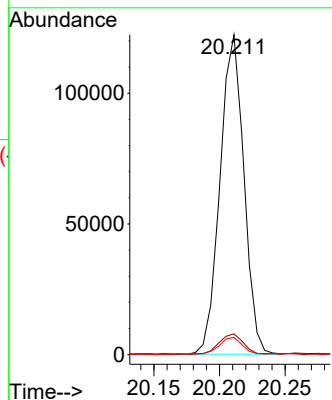
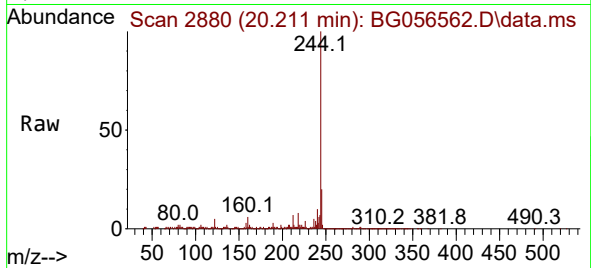




#79
 Terphenyl-d14
 Concen: 10.235 ng
 RT: 20.211 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

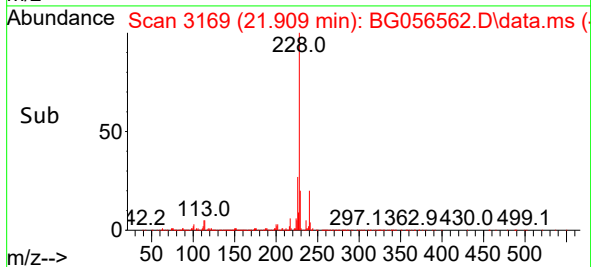
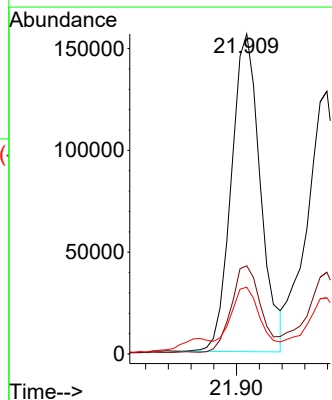
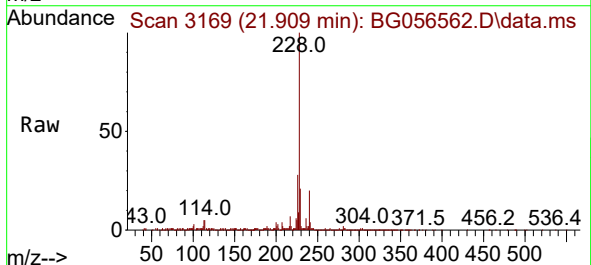
Instrument :
 BNA_G
 ClientSampleId :
 JPP-20-020223DL

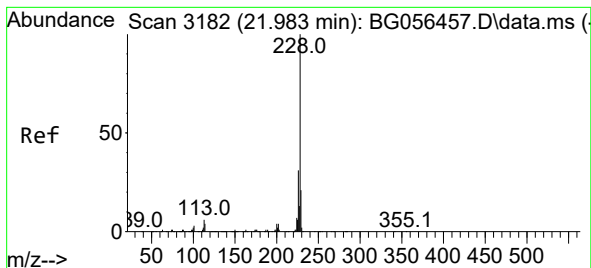
Tgt Ion:244 Resp: 154310
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 5.4 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 14.946 ng
 RT: 21.909 min Scan# 3169
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

Tgt Ion:228 Resp: 276684
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.4 33.6
 229 20.9 16.5 24.7





#83

Chrysene

Concen: 14.179 ng

RT: 21.979 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

ClientSampleId :

JPP-20-020223DL

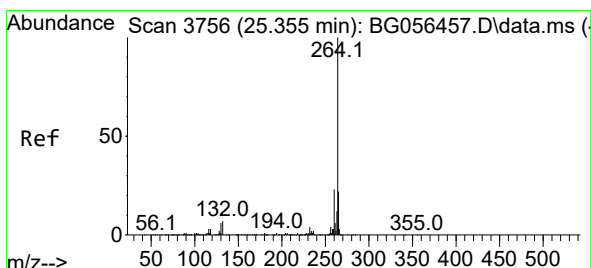
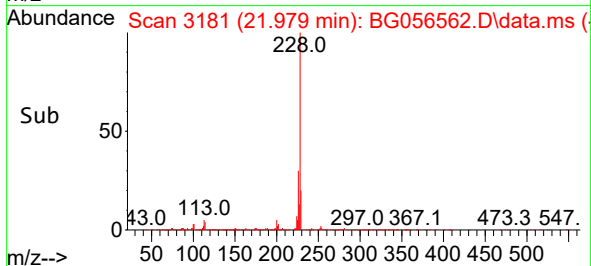
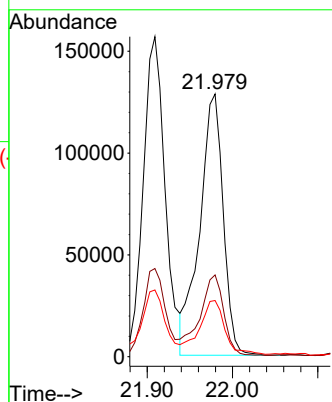
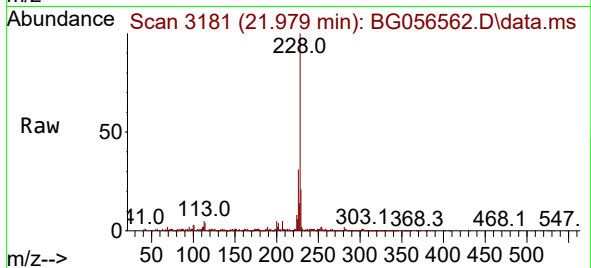
Tgt Ion:228 Resp: 246616

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.4

229 21.4 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.358 min Scan# 3756

Delta R.T. -0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

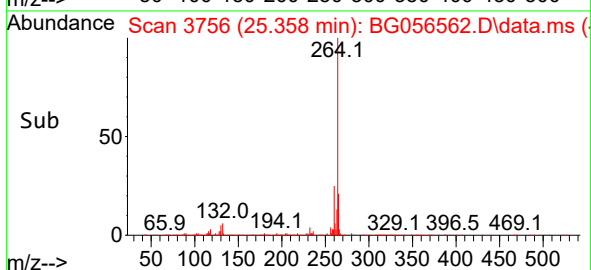
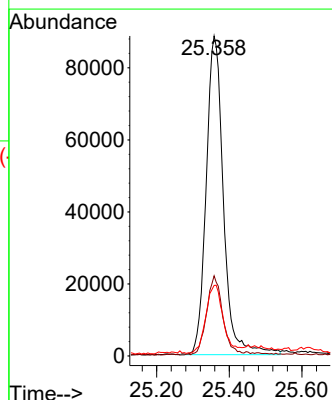
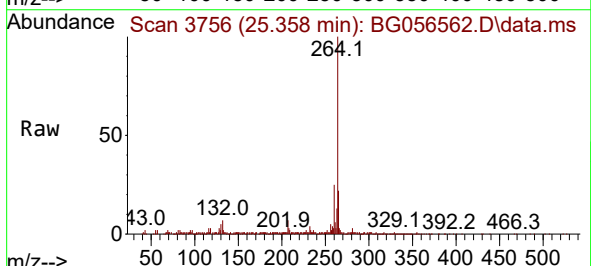
Tgt Ion:264 Resp: 292454

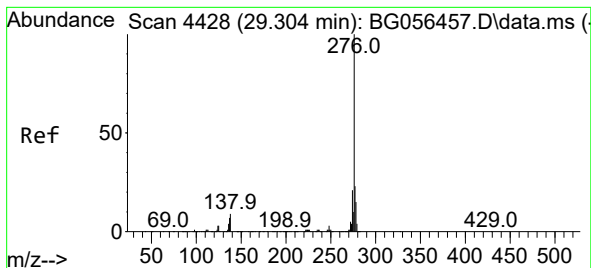
Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

265 22.0 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.455 ng

RT: 29.300 min Scan# 4428

Delta R.T. -0.021 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

ClientSampleId :

JPP-20-020223DL

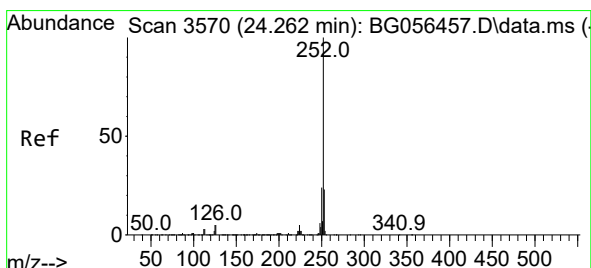
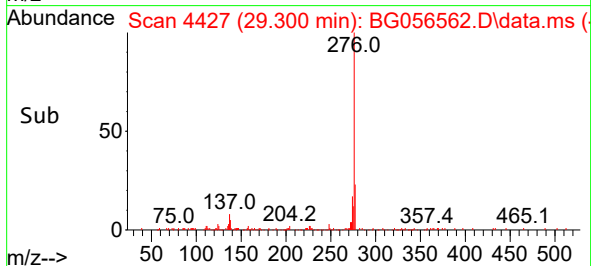
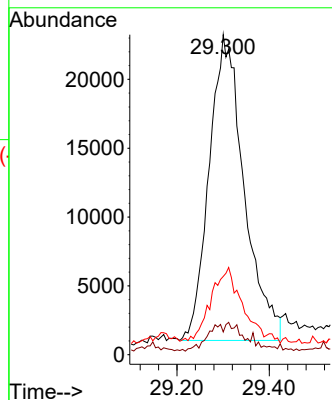
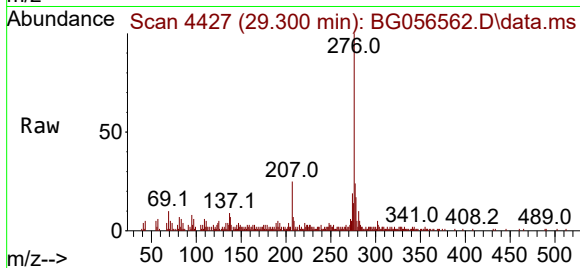
Tgt Ion:276 Resp: 116788

Ion Ratio Lower Upper

276 100

138 4.2 9.4 14.2#

277 20.3 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 16.302 ng

RT: 24.265 min Scan# 3570

Delta R.T. 0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

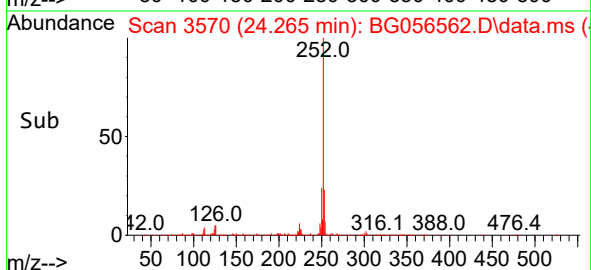
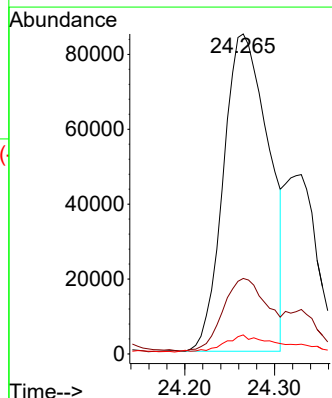
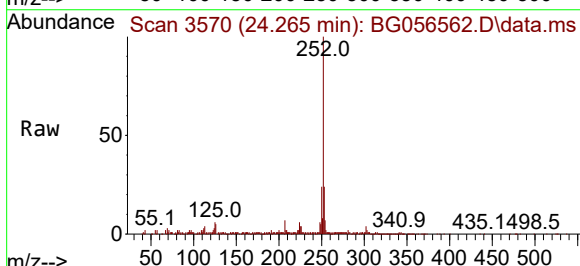
Tgt Ion:252 Resp: 295914

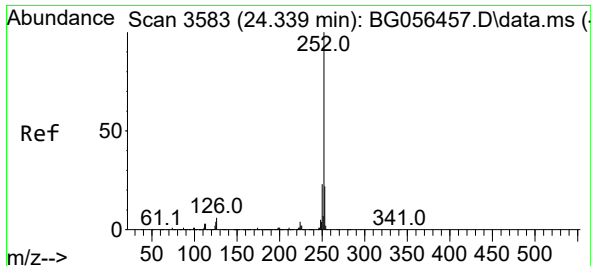
Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

125 6.0 3.9 5.9#

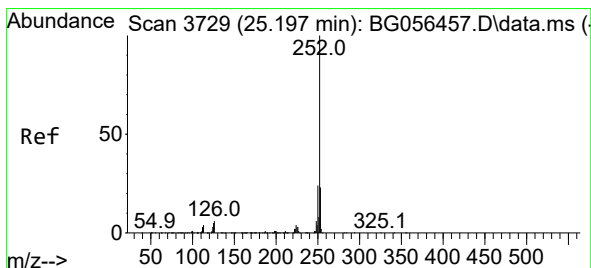
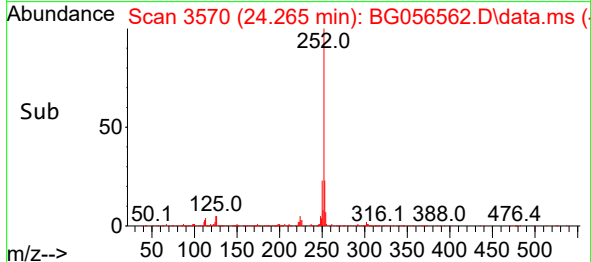
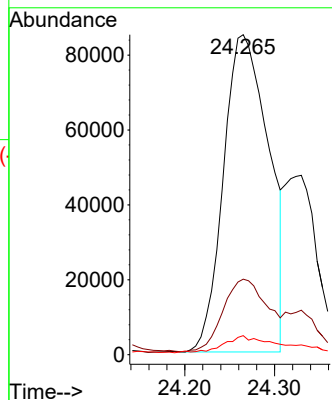
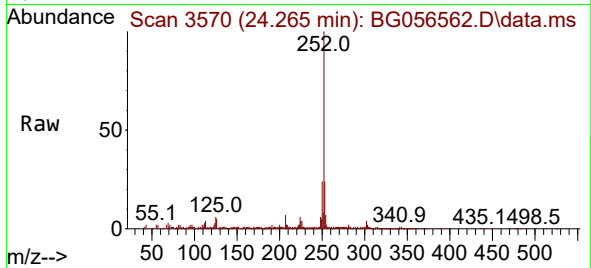




#89
Benzo(k)fluoranthene
Concen: 16.146 ng
RT: 24.265 min Scan# 3570
Delta R.T. -0.074 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

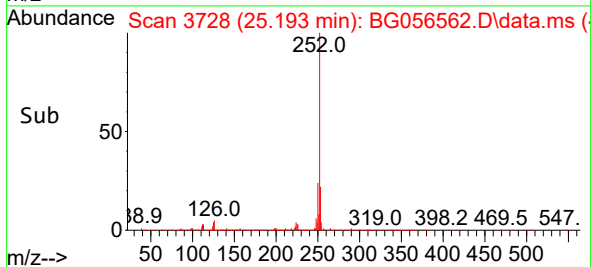
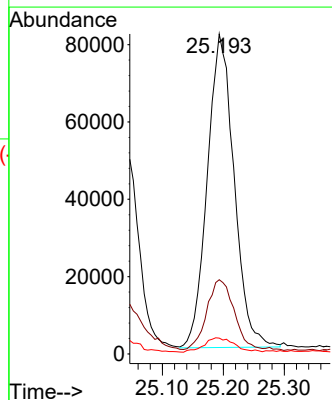
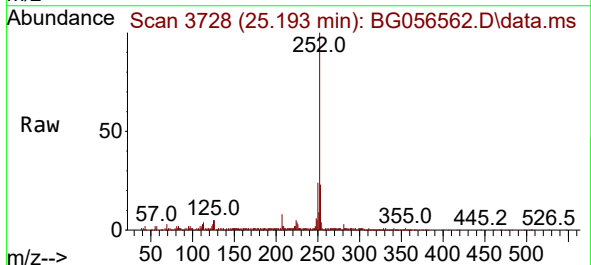
Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL

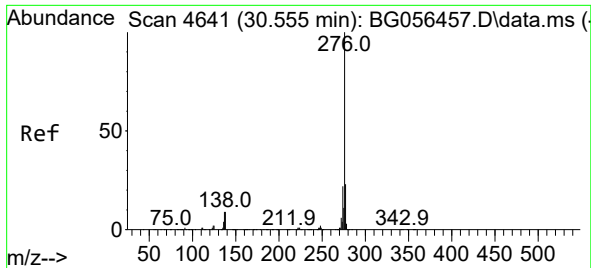
Tgt Ion:252 Resp: 295914
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 6.0 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 13.853 ng
RT: 25.193 min Scan# 3728
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

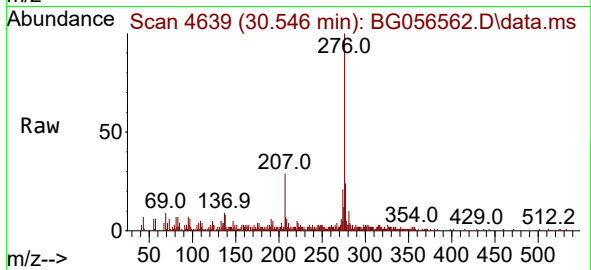
Tgt Ion:252 Resp: 247704
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 4.9 4.1 6.1





#92
 Benzo(g,h,i)perylene
 Concen: 6.561 ng
 RT: 30.546 min Scan# 4639
 Delta R.T. -0.021 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

Instrument :
 BNA_G
 ClientSampleId :
 JPP-20-020223DL



Tgt Ion:276 Resp: 113756

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	8.2	7.4	11.0

