

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056546.D
 Acq On : 3 Feb 2023 19:55
 Operator : CG/JU
 Sample : 01386-03DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-9-013123DL

Quant Time: Feb 04 05:14:10 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 01 01:15:52 2023
 Response via : Initial Calibration

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

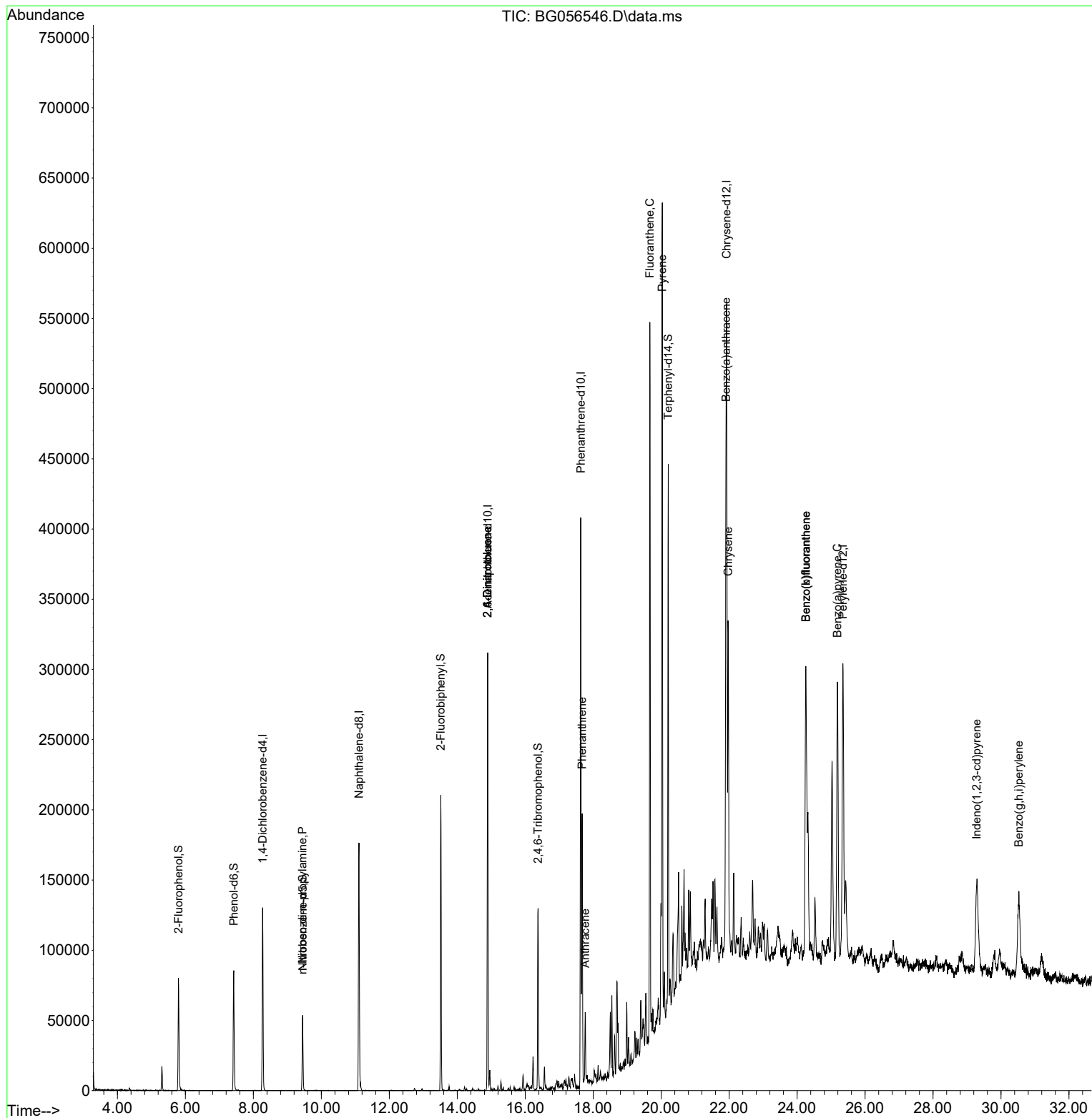
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.275	152	46462	20.000	ng	0.00
21) Naphthalene-d8	11.107	136	176528	20.000	ng	# 0.00
39) Acenaphthene-d10	14.897	164	124854	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	284654	20.000	ng	0.00
76) Chrysene-d12	21.924	240	263859	20.000	ng	0.00
86) Perylene-d12	25.349	264	275155	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	52784	20.899	ng	0.00
7) Phenol-d6	7.423	99	74512	19.911	ng	0.00
23) Nitrobenzene-d5	9.450	82	39577	12.731	ng	0.00
42) 2,4,6-Tribromophenol	16.377	330	28871	17.394	ng	0.00
45) 2-Fluorobiphenyl	13.516	172	126774	14.077	ng	0.00
79) Terphenyl-d14	20.208	244	201210	13.393	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.429	77	54	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.444	70	4760	2.207 ng	#	73
51) 2,6-Dinitrotoluene	14.891	165	16091	7.305 ng	#	37
57) 2,4-Dinitrotoluene	14.891	165	16091	5.186 ng	#	36
71) Phenanthrene	17.676	178	133480	8.959 ng		97
72) Anthracene	17.764	178	37677	2.464 ng		98
75) Fluoranthene	19.668	202	357796	19.028 ng		100
78) Pyrene	20.032	202	427241	22.767 ng		99
81) Benzo(a)anthracene	21.906	228	207337	11.240 ng		98
83) Chrysene	21.971	228	197726	11.409 ng		99
87) Indeno(1,2,3-cd)pyrene	29.286	276	143696	7.134 ng	#	96
88) Benzo(b)fluoranthene	24.256	252	299710	17.549 ng		98
89) Benzo(k)fluoranthene	24.256	252	299710	17.381 ng		96
90) Benzo(a)pyrene	25.185	252	266710	15.853 ng		100
92) Benzo(g,h,i)perylene	30.526	276	139921	8.577 ng	#	96

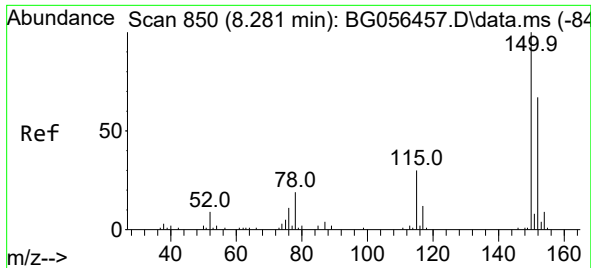
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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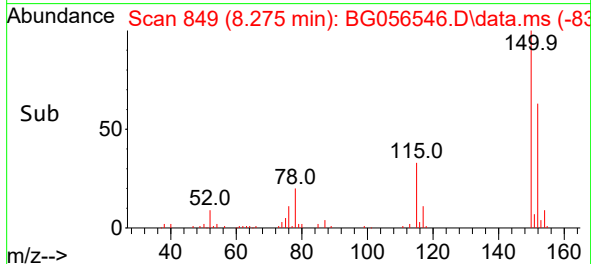
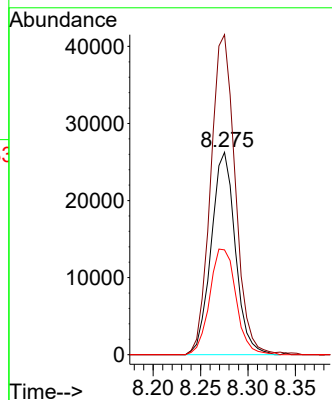
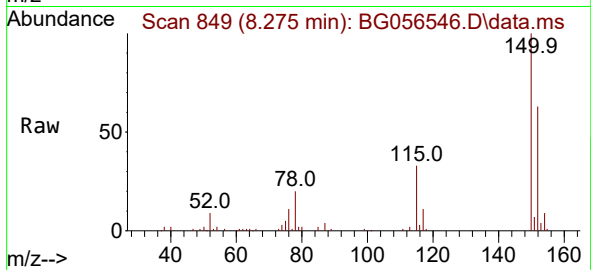




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.275 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

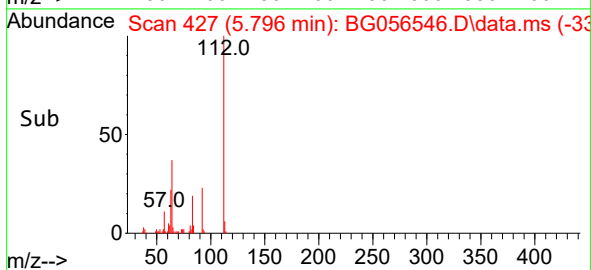
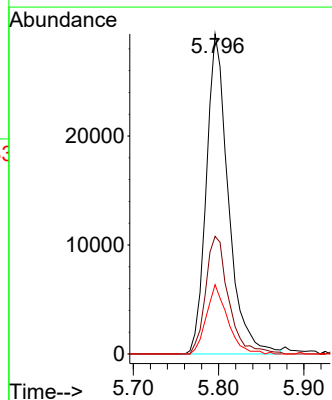
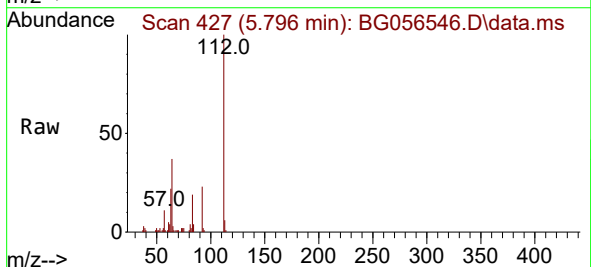
Instrument :
BNA_G
ClientSampleId :
JPP-9-013123DL

Tgt Ion:152 Resp: 46462
Ion Ratio Lower Upper
152 100
150 158.1 120.2 180.4
115 51.8 36.3 54.5



#5
2-Fluorophenol
Concen: 20.899 ng
RT: 5.796 min Scan# 427
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

Tgt Ion:112 Resp: 52784
Ion Ratio Lower Upper
112 100
64 36.8 31.9 47.9
63 21.7 17.4 26.0

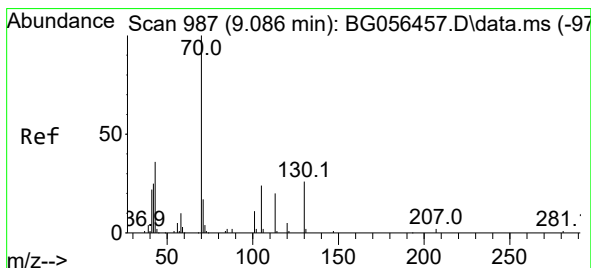
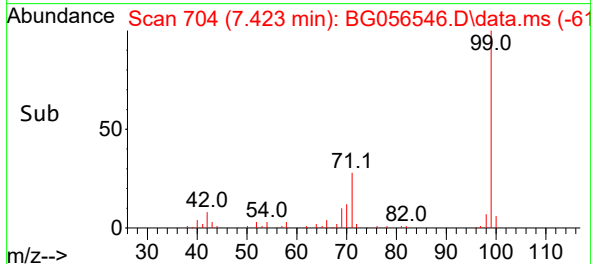
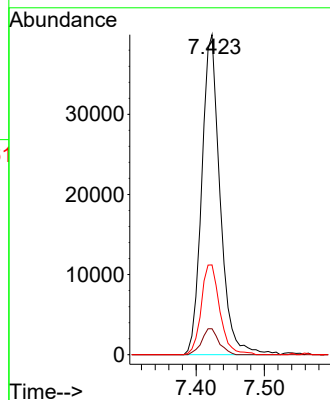
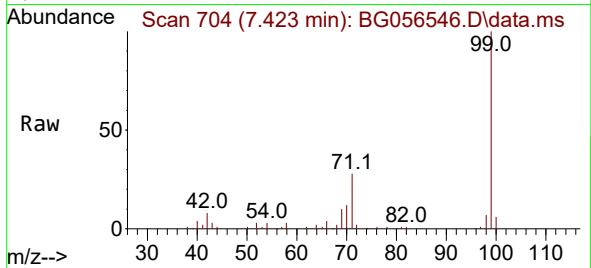




#7
Phenol-d6
Concen: 19.911 ng
RT: 7.423 min Scan# 704
Delta R.T. 0.006 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

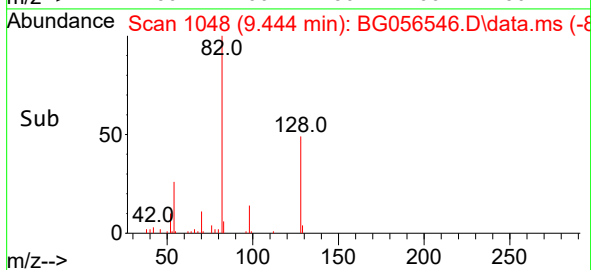
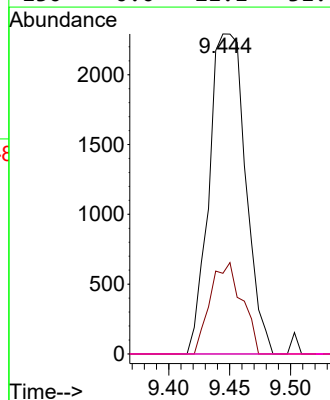
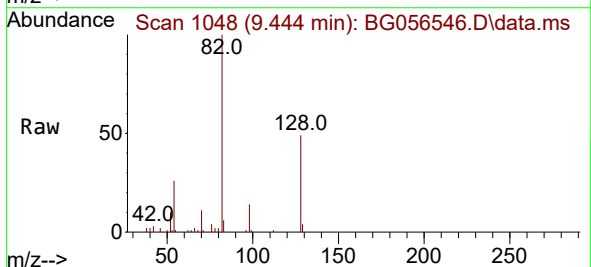
Instrument :
BNA_G
ClientSampleId :
JPP-9-013123DL

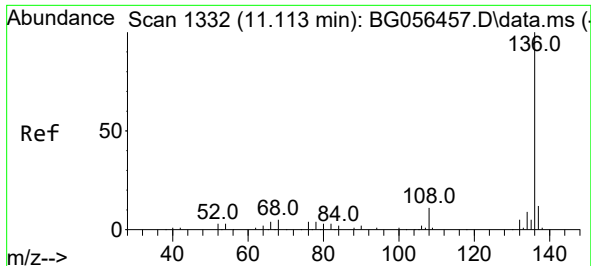
Tgt Ion: 99 Resp: 74512
Ion Ratio Lower Upper
99 100
42 8.1 6.6 10.0
71 28.1 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.207 ng
RT: 9.444 min Scan# 1048
Delta R.T. 0.364 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

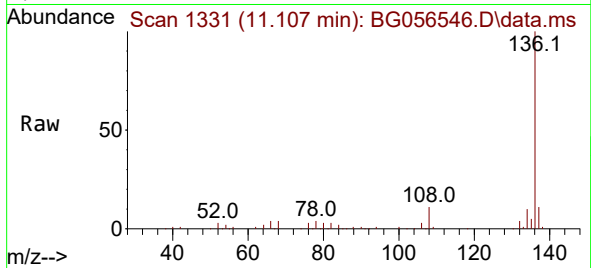
Tgt Ion: 70 Resp: 4760
Ion Ratio Lower Upper
70 100
42 25.2 20.2 30.4
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#



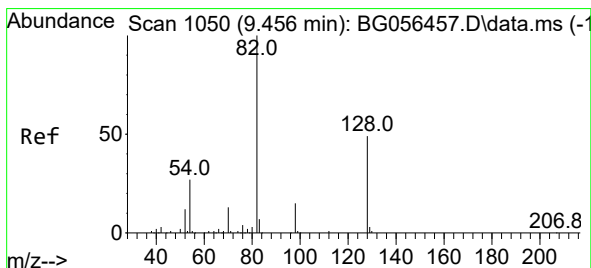
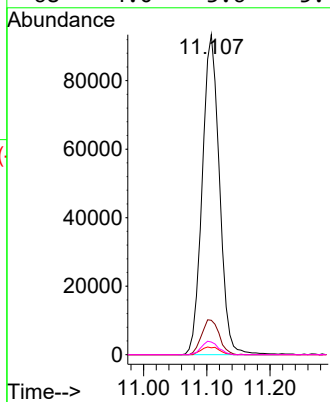
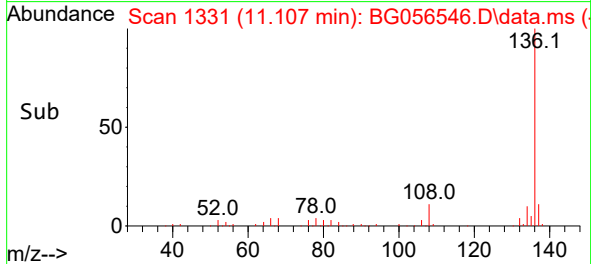


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.107 min Scan# 111
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

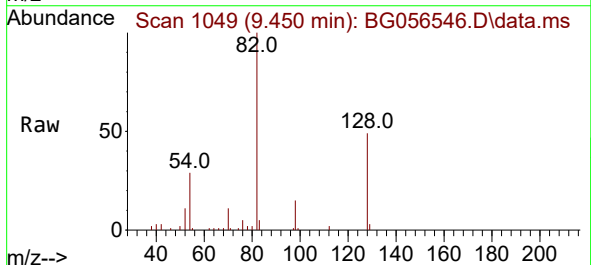
Instrument :
BNA_G
ClientSampleId :
JPP-9-013123DL



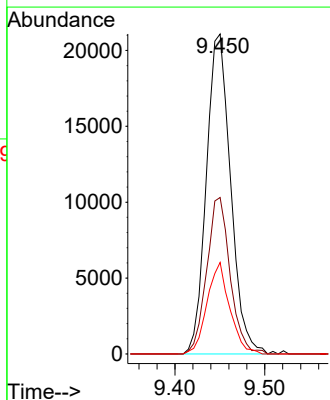
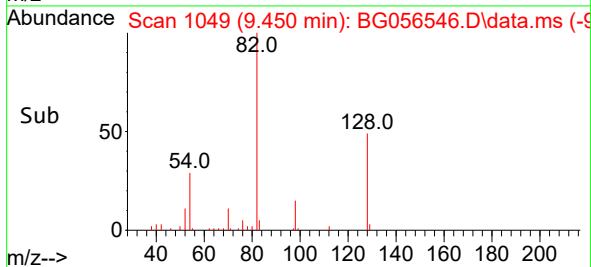
Tgt Ion:136 Resp: 176528
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.0
54 2.2 2.2 3.4#
68 4.0 3.6 5.4

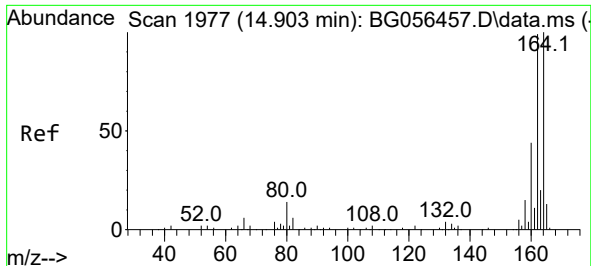


#23
Nitrobenzene-d5
Concen: 12.731 ng
RT: 9.450 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55



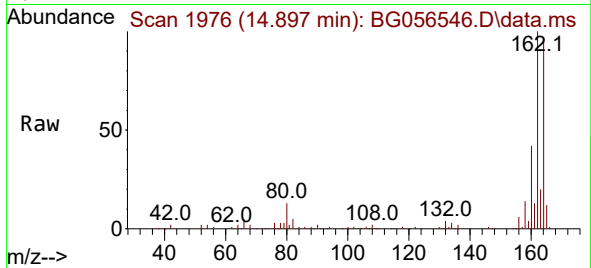
Tgt Ion: 82 Resp: 39577
Ion Ratio Lower Upper
82 100
128 48.9 39.4 59.2
54 28.6 21.4 32.2



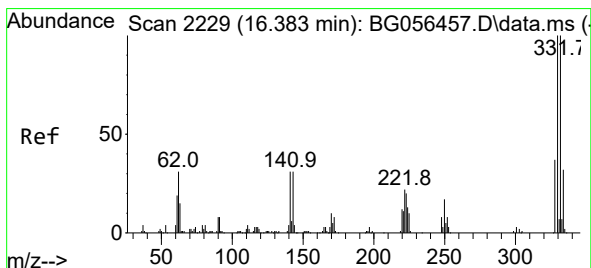
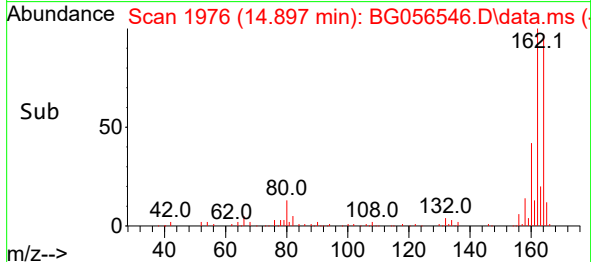
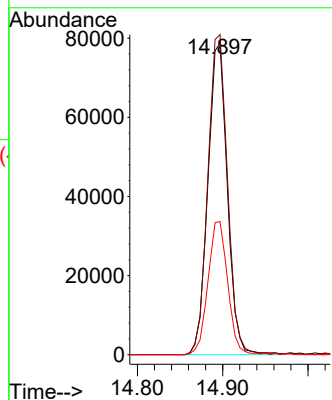


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.897 min Scan# 1976
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

Instrument :
BNA_G
ClientSampleId :
JPP-9-013123DL

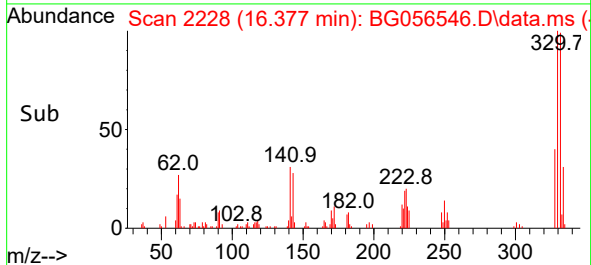
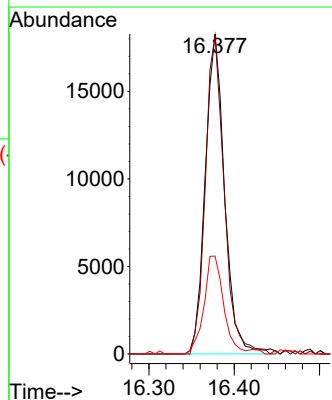
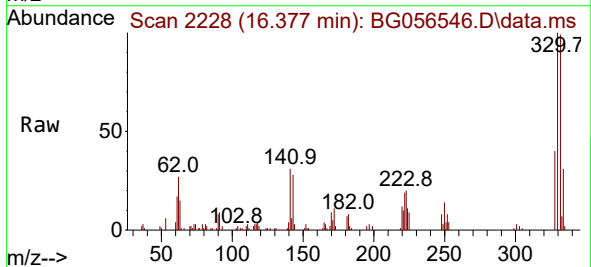


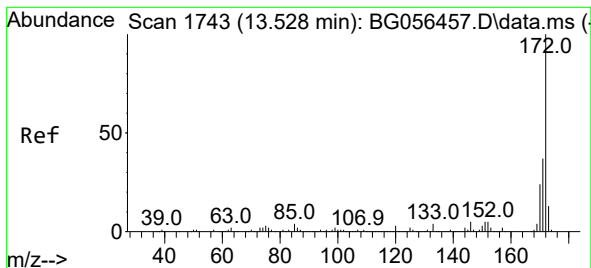
Tgt Ion:164 Resp: 124854
Ion Ratio Lower Upper
164 100
162 102.7 79.6 119.4
160 42.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 17.394 ng
RT: 16.377 min Scan# 2228
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

Tgt Ion:330 Resp: 28871
Ion Ratio Lower Upper
330 100
332 96.6 79.0 118.6
141 30.9 24.2 36.4

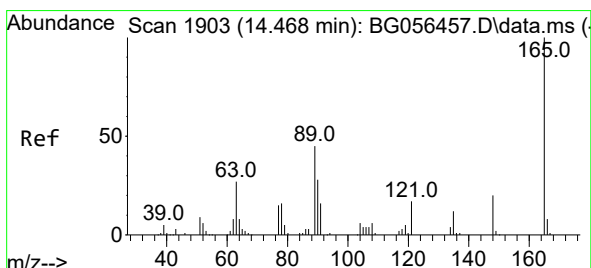
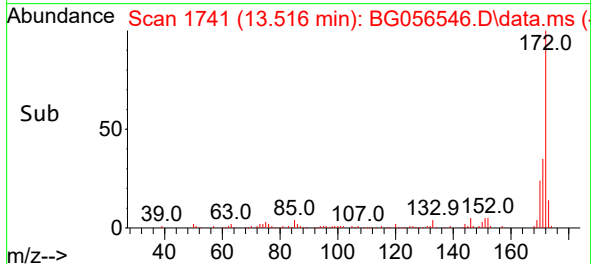
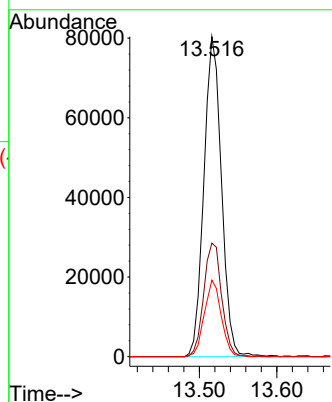
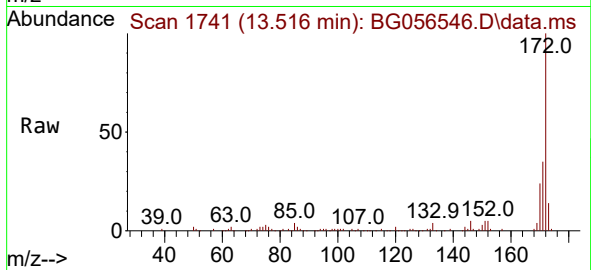




#45
 2-Fluorobiphenyl
 Concen: 14.077 ng
 RT: 13.516 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BG056546.D
 Acq: 3 Feb 2023 19:55

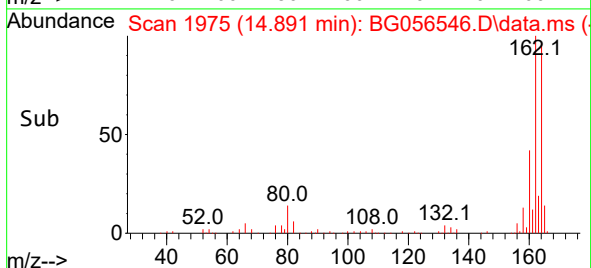
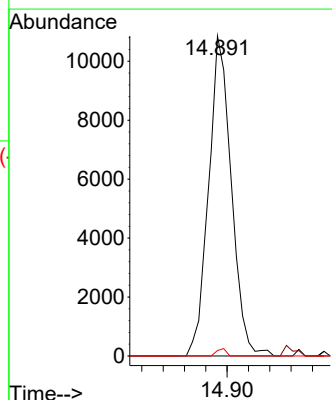
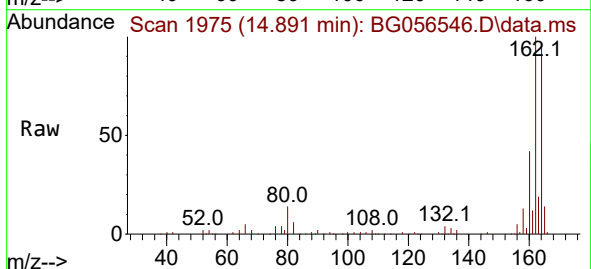
Instrument :
 BNA_G
 ClientSampleId :
 JPP-9-013123DL

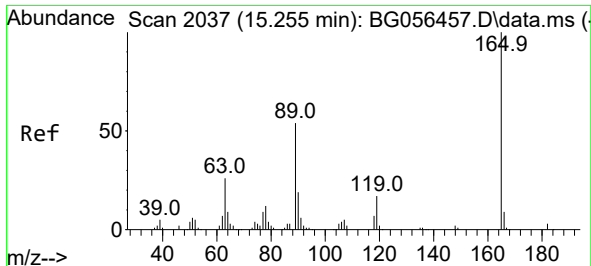
Tgt Ion:172 Resp: 126774
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.5 44.3
 170 23.9 19.2 28.8



#51
 2,6-Dinitrotoluene
 Concen: 7.305 ng
 RT: 14.891 min Scan# 1975
 Delta R.T. 0.423 min
 Lab File: BG056546.D
 Acq: 3 Feb 2023 19:55

Tgt Ion:165 Resp: 16091
 Ion Ratio Lower Upper
 165 100
 63 0.0 26.9 40.3#
 89 1.7 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.186 ng

RT: 14.891 min Scan# 1975

Delta R.T. -0.359 min

Lab File: BG056546.D

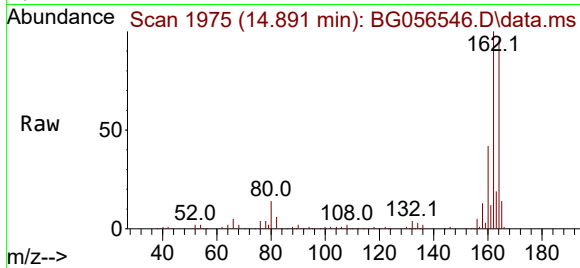
Acq: 3 Feb 2023 19:55

Instrument :

BNA_G

ClientSampleId :

JPP-9-013123DL



Tgt Ion:165 Resp: 16091

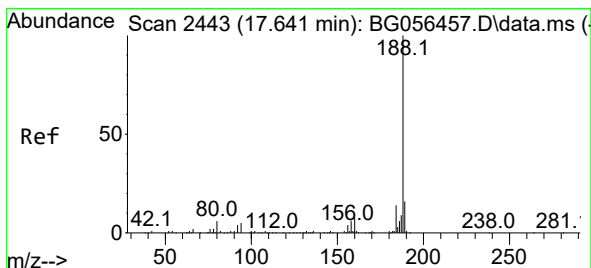
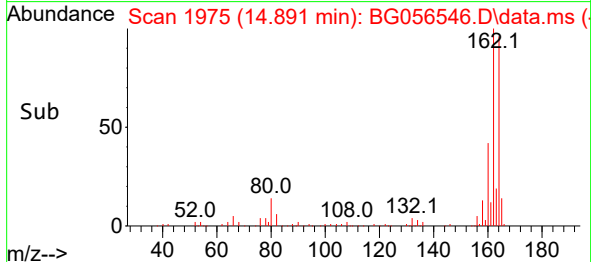
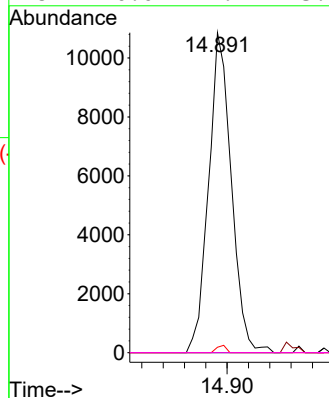
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 1.7 43.1 64.7#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.635 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

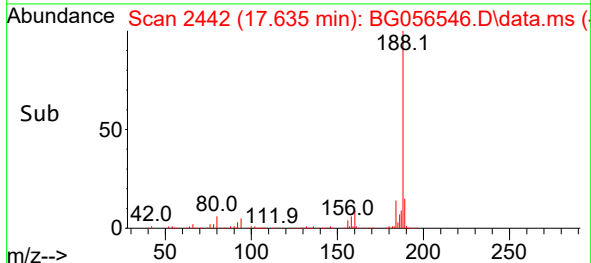
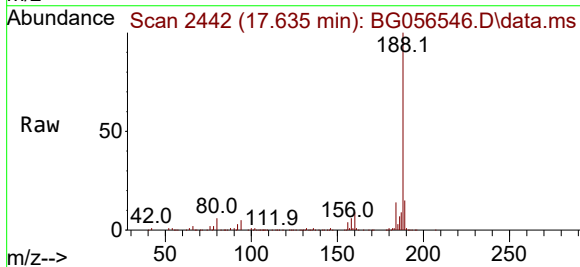
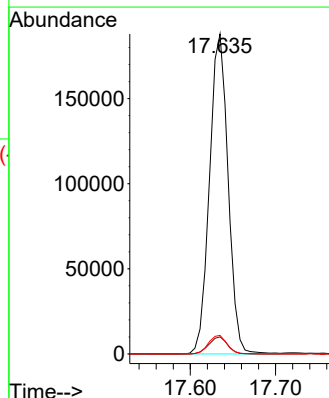
Tgt Ion:188 Resp: 284654

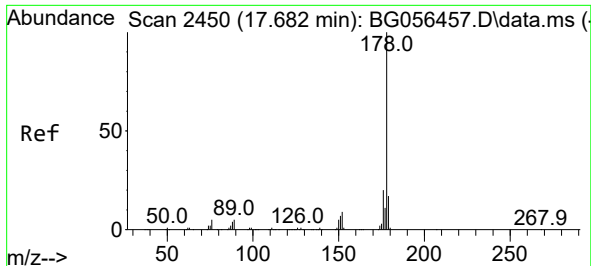
Ion Ratio Lower Upper

188 100

94 5.4 4.1 6.1

80 5.8 5.0 7.4

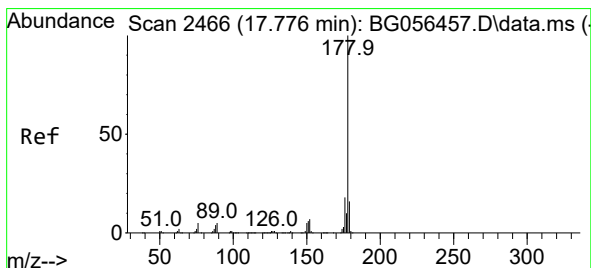
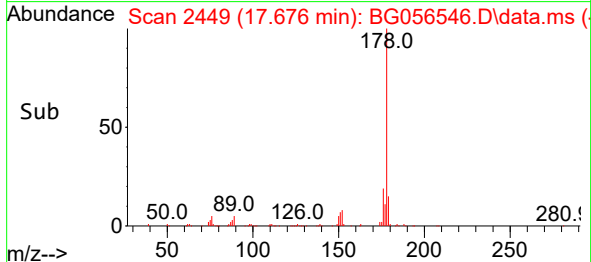
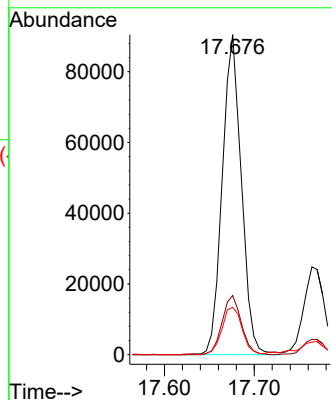
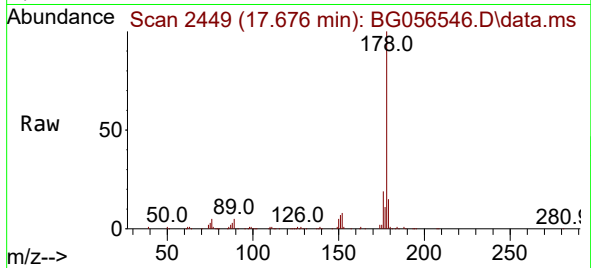




#71
Phenanthrene
Concen: 8.959 ng
RT: 17.676 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

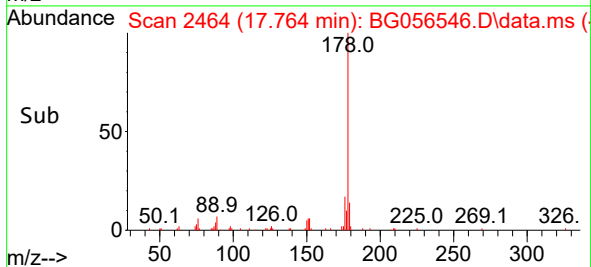
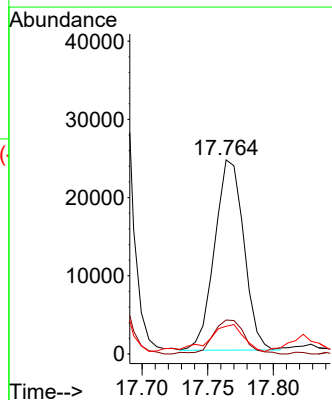
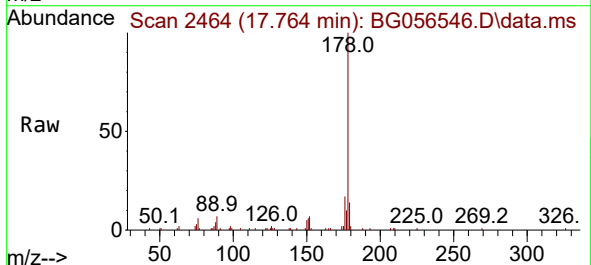
Instrument :
BNA_G
ClientSampleId :
JPP-9-013123DL

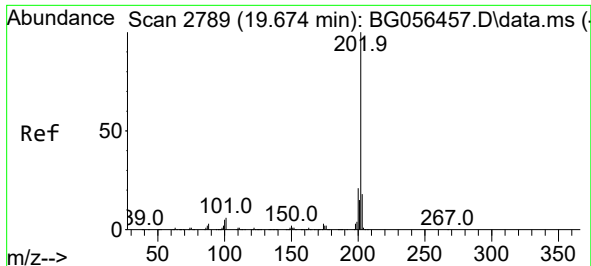
Tgt Ion:178 Resp: 133480
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.8 13.3 19.9



#72
Anthracene
Concen: 2.464 ng
RT: 17.764 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

Tgt Ion:178 Resp: 37677
Ion Ratio Lower Upper
178 100
176 17.5 14.5 21.7
179 14.3 12.5 18.7

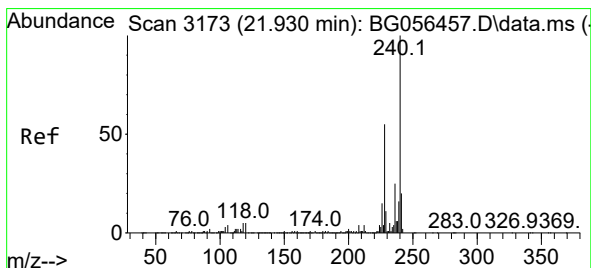
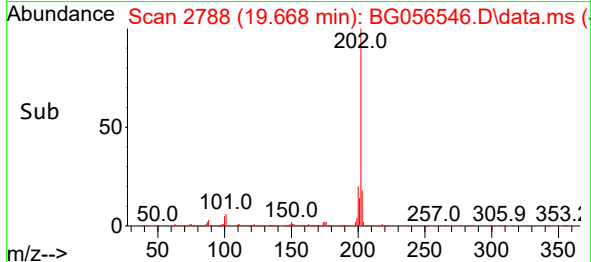
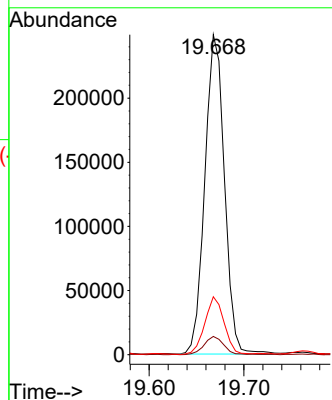
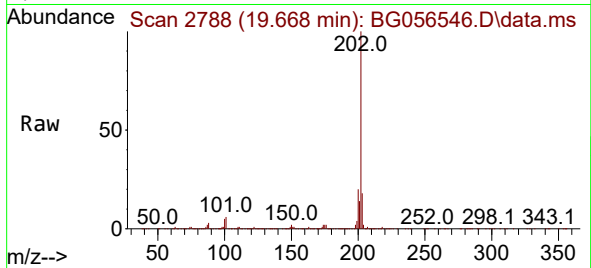




#75
Fluoranthene
Concen: 19.028 ng
RT: 19.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

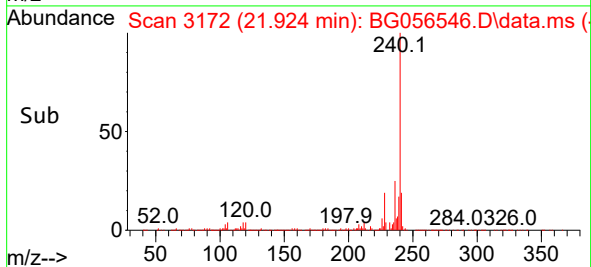
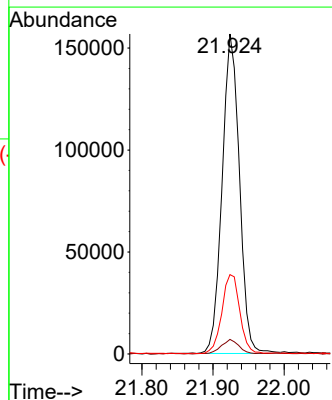
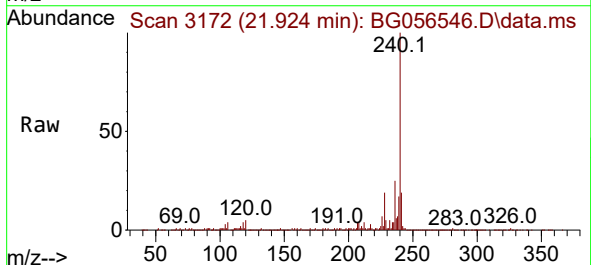
Instrument :
BNA_G
ClientSampleId :
JPP-9-013123DL

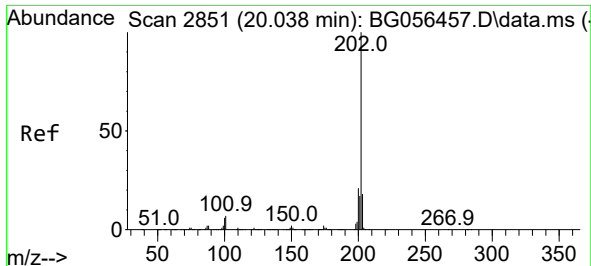
Tgt Ion:202 Resp: 357796
Ion Ratio Lower Upper
202 100
101 5.7 0.0 25.6
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

Tgt Ion:240 Resp: 263859
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 24.8 20.2 30.2

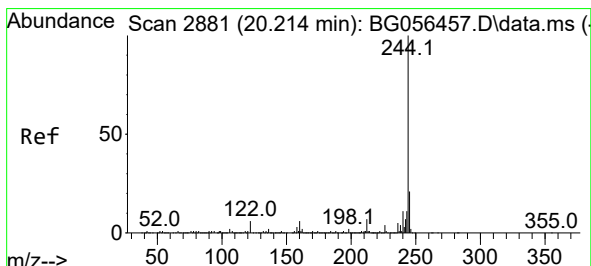
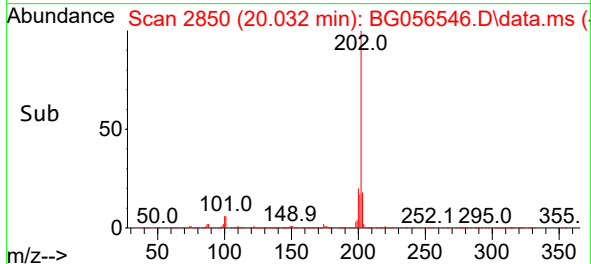
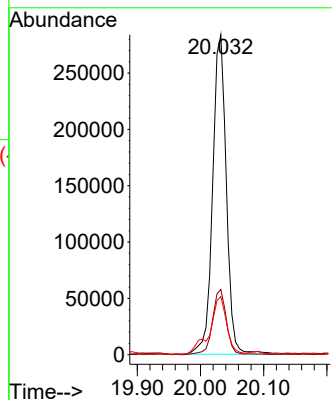
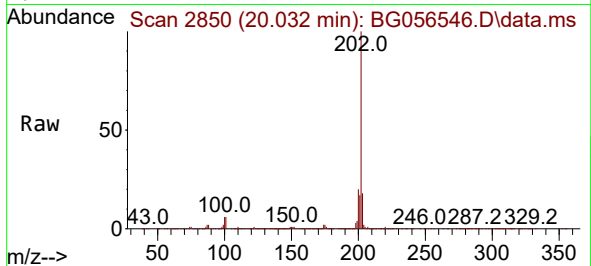




#78
Pyrene
Concen: 22.767 ng
RT: 20.032 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

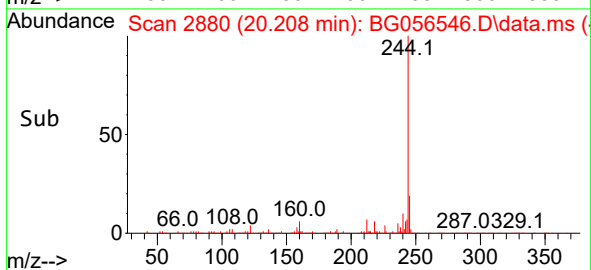
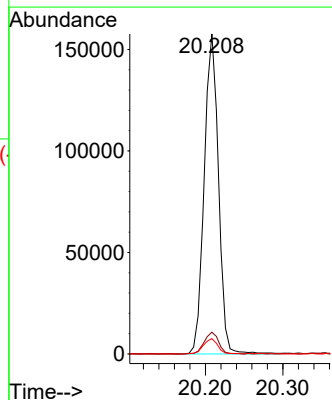
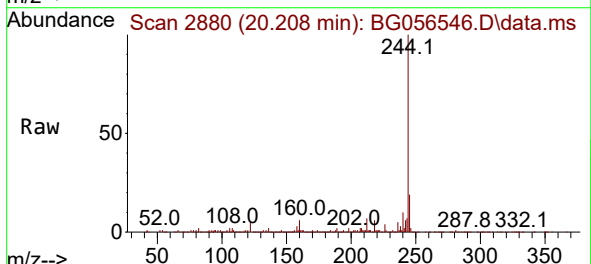
Instrument :
BNA_G
ClientSampleId :
JPP-9-013123DL

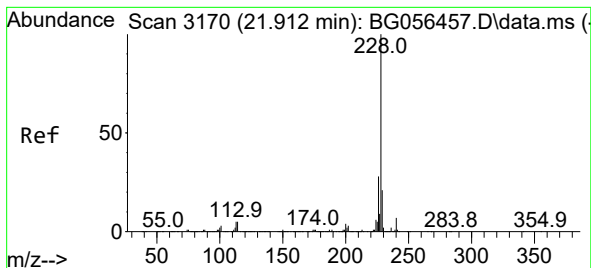
Tgt Ion:202 Resp: 427241
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 18.2 14.4 21.6



#79
Terphenyl-d14
Concen: 13.393 ng
RT: 20.208 min Scan# 2880
Delta R.T. -0.000 min
Lab File: BG056546.D
Acq: 3 Feb 2023 19:55

Tgt Ion:244 Resp: 201210
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 4.8 4.4 6.6





#81

Benzo(a)anthracene

Concen: 11.240 ng

RT: 21.906 min Scan# 3169

Delta R.T. 0.006 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

Instrument :

BNA_G

ClientSampleId :

JPP-9-013123DL

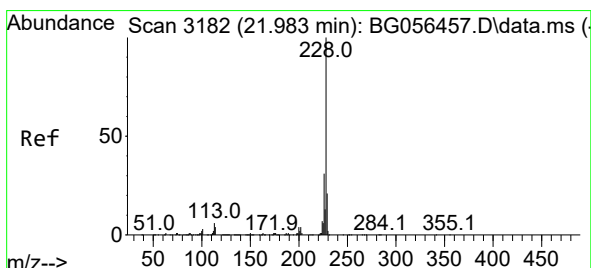
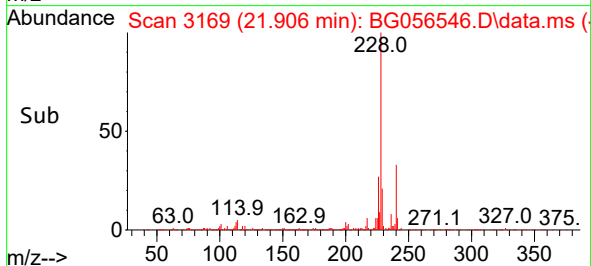
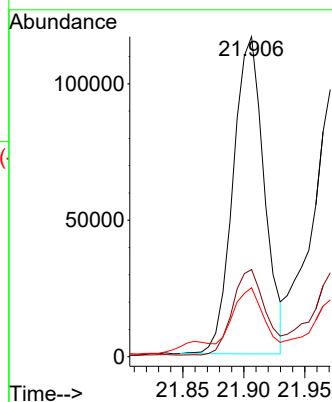
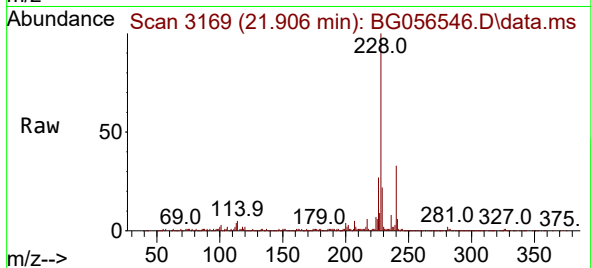
Tgt Ion:228 Resp: 207337

Ion Ratio Lower Upper

228 100

226 27.3 22.4 33.6

229 21.5 16.5 24.7



#83

Chrysene

Concen: 11.409 ng

RT: 21.971 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

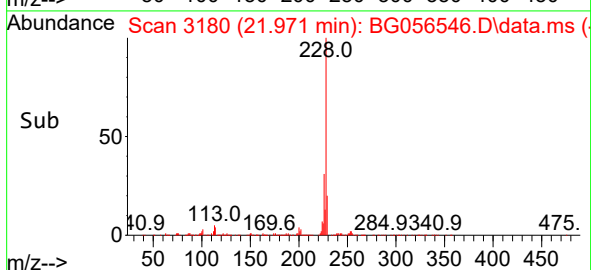
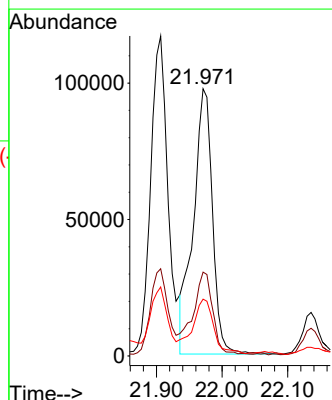
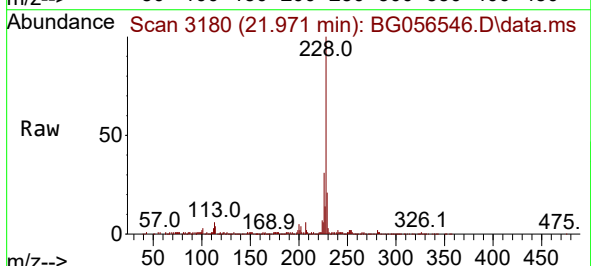
Tgt Ion:228 Resp: 197726

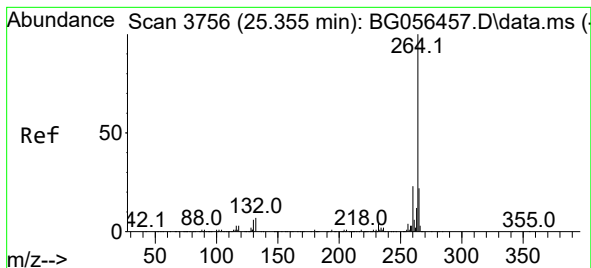
Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.4

229 21.2 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.349 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

Instrument :

BNA_G

ClientSampleId :

JPP-9-013123DL

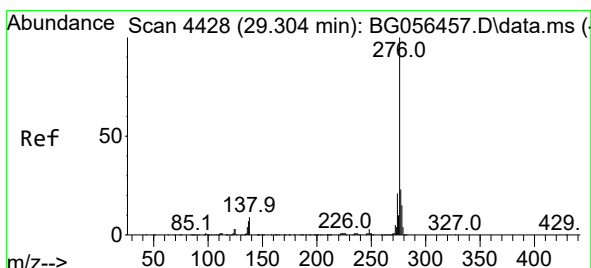
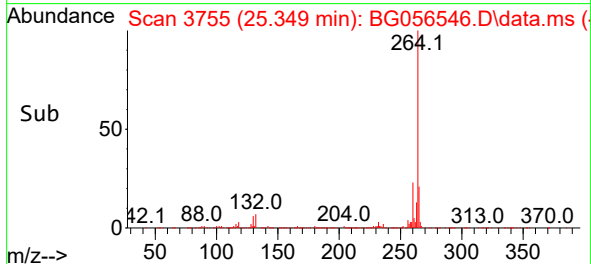
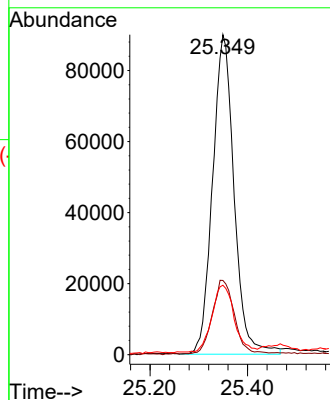
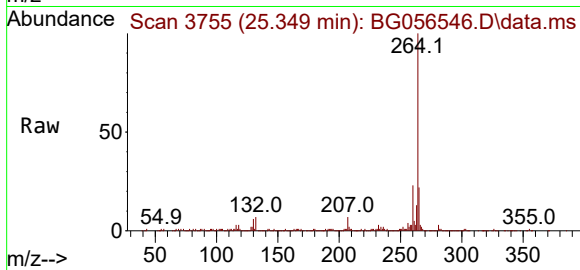
Tgt Ion:264 Resp: 275155

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 21.7 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.134 ng

RT: 29.286 min Scan# 4425

Delta R.T. 0.006 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

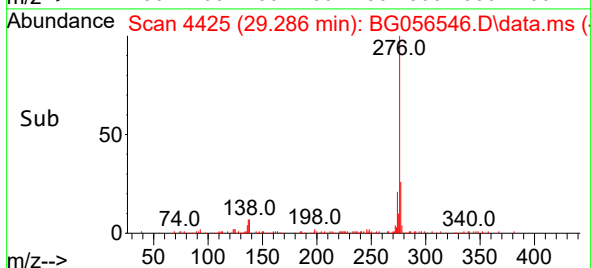
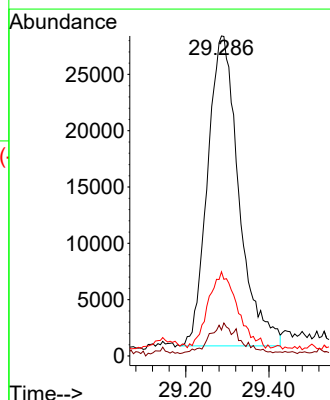
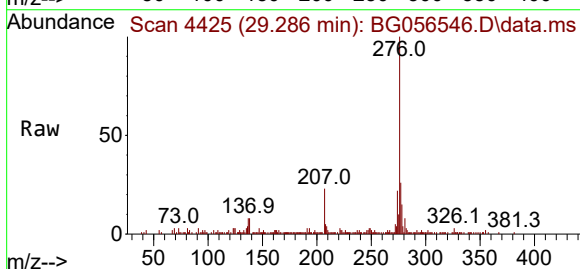
Tgt Ion:276 Resp: 143696

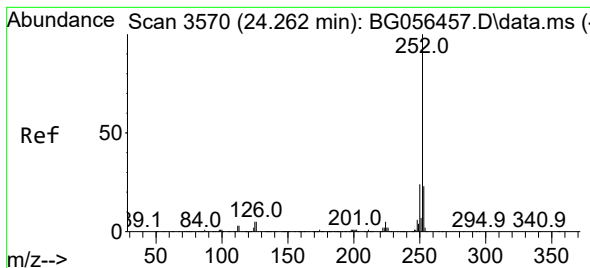
Ion Ratio Lower Upper

276 100

138 8.2 9.4 14.2#

277 24.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 17.549 ng

RT: 24.256 min Scan# 3569

Delta R.T. 0.006 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

Instrument :

BNA_G

ClientSampleId :

JPP-9-013123DL

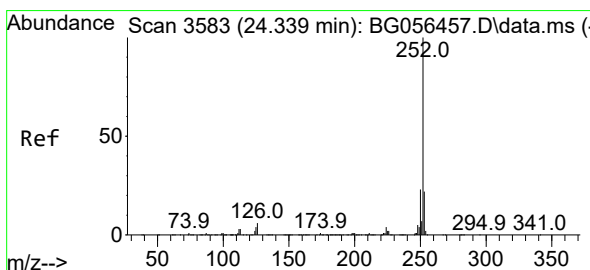
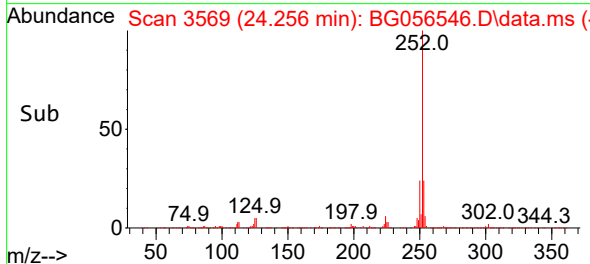
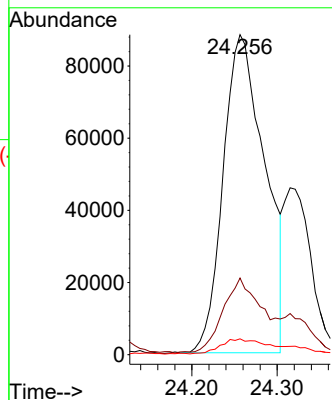
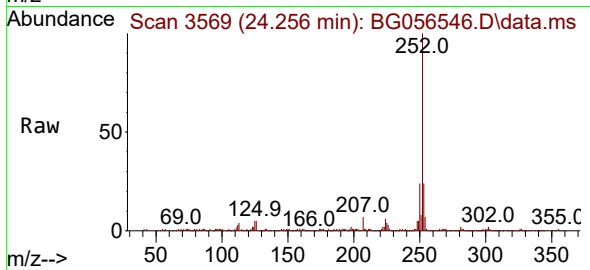
Tgt Ion:252 Resp: 299710

Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

125 5.0 3.9 5.9



#89

Benzo(k)fluoranthene

Concen: 17.381 ng

RT: 24.256 min Scan# 3569

Delta R.T. -0.065 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

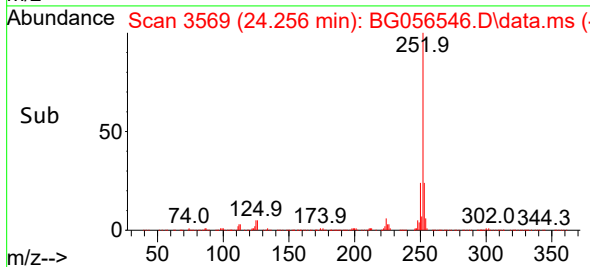
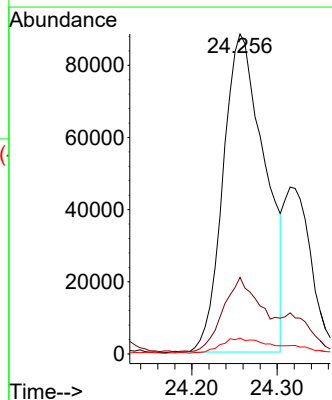
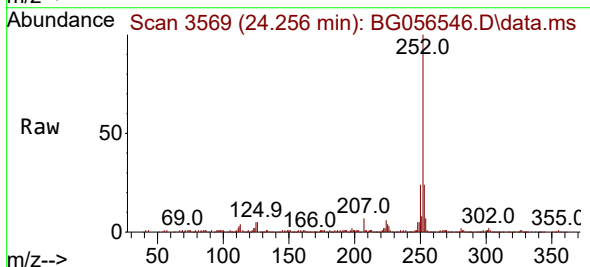
Tgt Ion:252 Resp: 299710

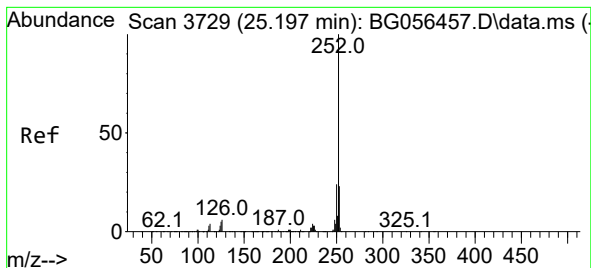
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 5.0 3.4 5.0





#90

Benzo(a)pyrene

Concen: 15.853 ng

RT: 25.185 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

Instrument :

BNA_G

ClientSampleId :

JPP-9-013123DL

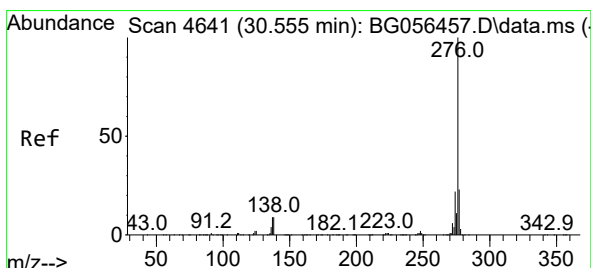
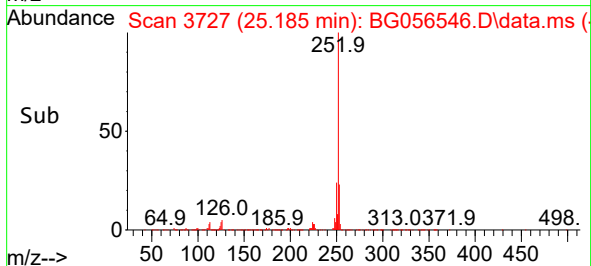
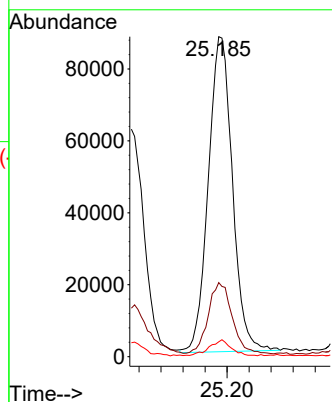
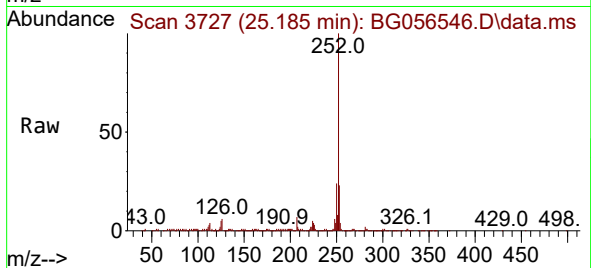
Tgt Ion:252 Resp: 266710

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 4.6 4.1 6.1



#92

Benzo(g,h,i)perylene

Concen: 8.577 ng

RT: 30.526 min Scan# 4636

Delta R.T. -0.000 min

Lab File: BG056546.D

Acq: 3 Feb 2023 19:55

Tgt Ion:276 Resp: 139921

Ion Ratio Lower Upper

276 100

277 24.9 18.5 27.7

138 11.1 7.4 11.0#

