

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011823\
 Data File : BG056343.D
 Acq On : 19 Jan 2023 00:57
 Operator : CG/JU
 Sample : 01172-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-F

Quant Time: Jan 19 03:47:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

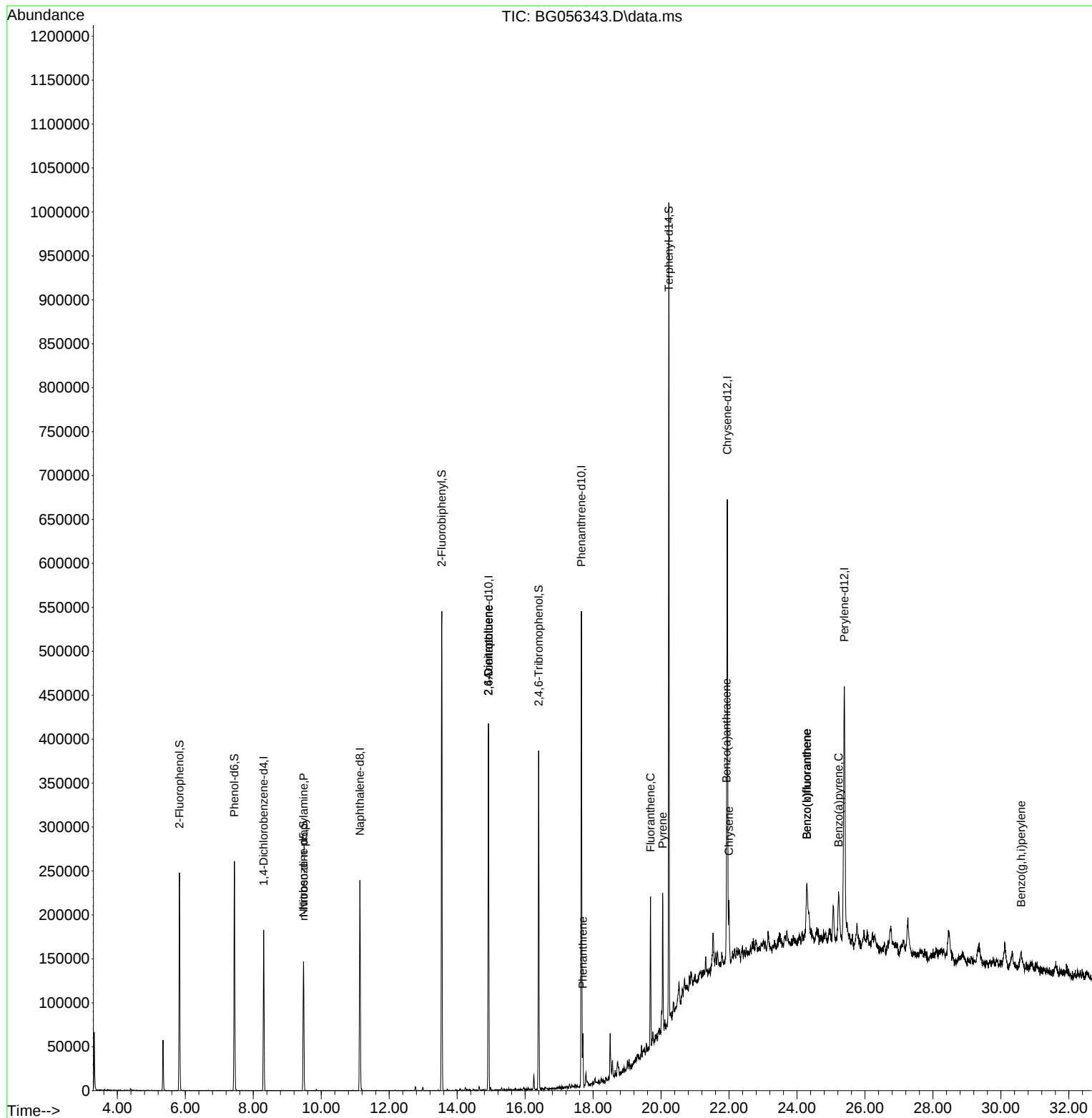
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	57817	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	219930	20.000	ng	0.00
39) Acenaphthene-d10	14.922	164	162282	20.000	ng	0.00
64) Phenanthrene-d10	17.654	188	368907	20.000	ng	0.00
76) Chrysene-d12	21.949	240	335927	20.000	ng	# 0.00
86) Perylene-d12	25.392	264	362281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	139457	43.067	ng	0.00
7) Phenol-d6	7.442	99	198891	39.995	ng	0.00
23) Nitrobenzene-d5	9.475	82	109103	25.375	ng	-0.01
42) 2,4,6-Tribromophenol	16.396	330	77711	37.811	ng	0.00
45) 2-Fluorobiphenyl	13.547	172	323293	27.510	ng	0.00
79) Terphenyl-d14	20.227	244	501409	26.733	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.481	70	13925	4.605	ng	# 73
51) 2,6-Dinitrotoluene	14.916	165	21396	7.665	ng	# 32
57) 2,4-Dinitrotoluene	14.916	165	21396	5.481	ng	# 28
71) Phenanthrene	17.695	178	42029	2.198	ng	97
75) Fluoranthene	19.687	202	118533	4.753	ng	99
78) Pyrene	20.045	202	107679	4.548	ng	98
81) Benzo(a)anthracene	21.925	228	65421	2.773	ng	98
83) Chrysene	21.996	228	63908	2.892	ng	97
88) Benzo(b)fluoranthene	24.287	252	96306	4.184	ng	# 92
89) Benzo(k)fluoranthene	24.287	252	96306	4.202	ng	# 92
90) Benzo(a)pyrene	25.221	252	66672	2.970	ng	# 86
92) Benzo(g,h,i)perylene	30.597	276	44586	2.081	ng	96

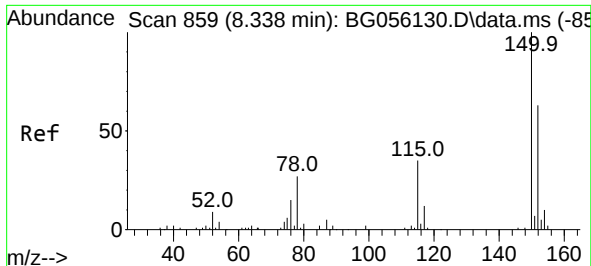
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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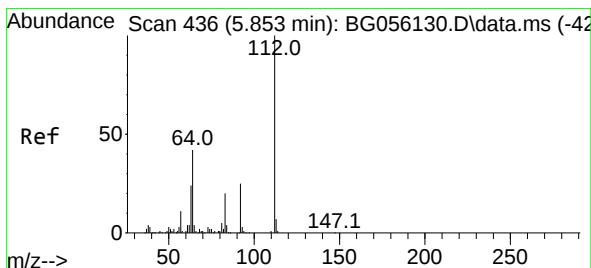
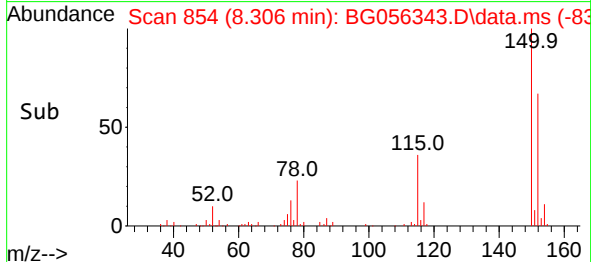
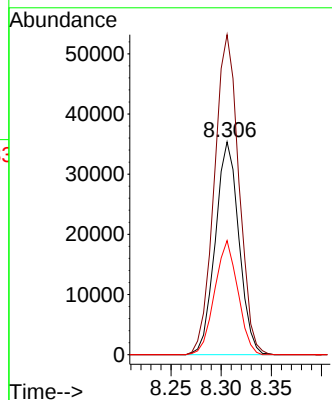
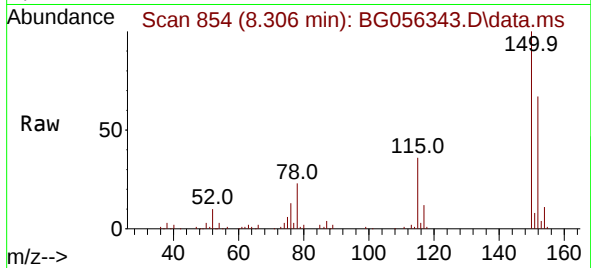




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.306 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BG056343.D
 Acq: 19 Jan 2023 00:57

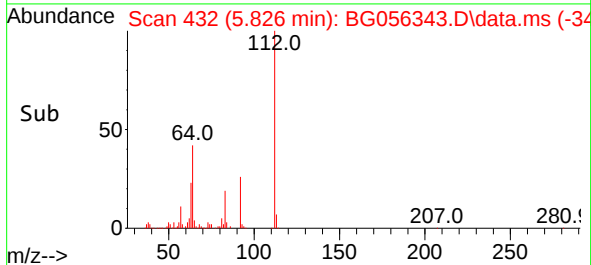
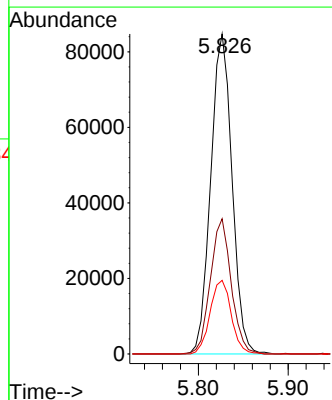
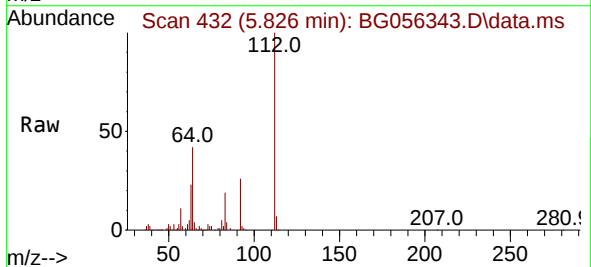
Instrument :
 BNA_G
 ClientSampleId :
 TP-F

Tgt Ion:152 Resp: 57817
 Ion Ratio Lower Upper
 152 100
 150 150.4 127.9 191.9
 115 53.6 44.2 66.2



#5
 2-Fluorophenol
 Concen: 43.067 ng
 RT: 5.826 min Scan# 432
 Delta R.T. -0.000 min
 Lab File: BG056343.D
 Acq: 19 Jan 2023 00:57

Tgt Ion:112 Resp: 139457
 Ion Ratio Lower Upper
 112 100
 64 42.2 33.3 49.9
 63 23.0 19.0 28.4

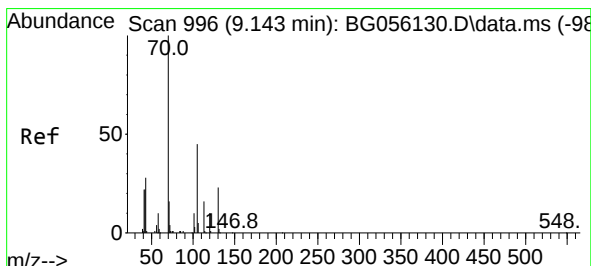
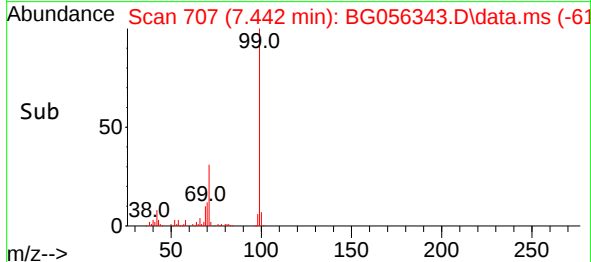
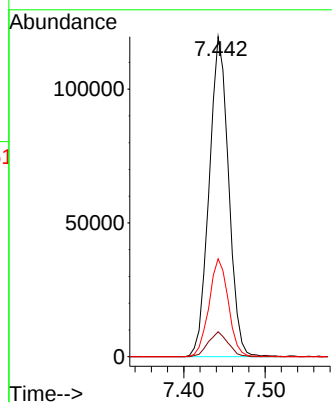
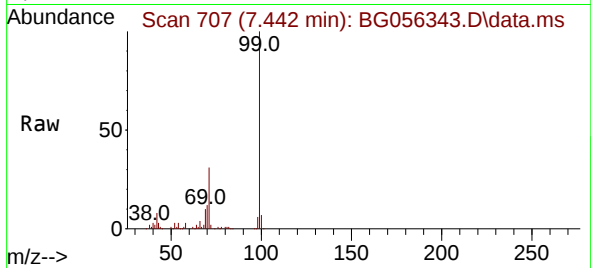




#7
Phenol-d6
Concen: 39.995 ng
RT: 7.442 min Scan# 711
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

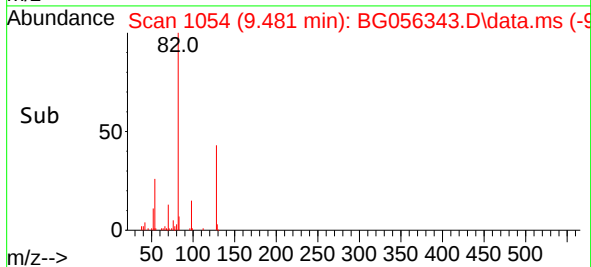
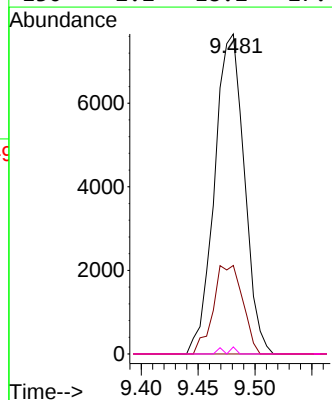
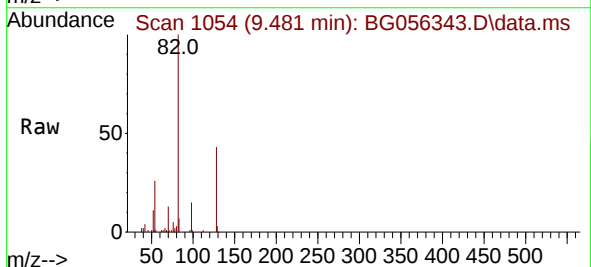
Instrument :
BNA_G
ClientSampleId :
TP-F

Tgt Ion: 99 Resp: 198891
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 30.6 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 4.605 ng
RT: 9.481 min Scan# 1054
Delta R.T. 0.370 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion: 70 Resp: 13925
Ion Ratio Lower Upper
70 100
42 27.6 18.2 27.2#
101 0.0 8.3 12.5#
130 2.2 18.2 27.4#



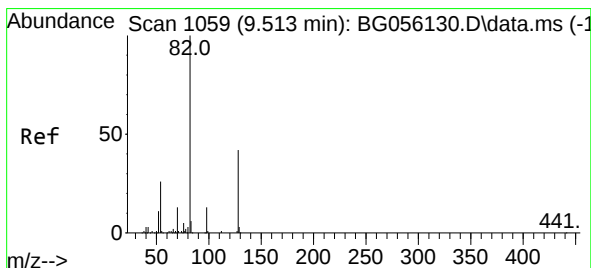
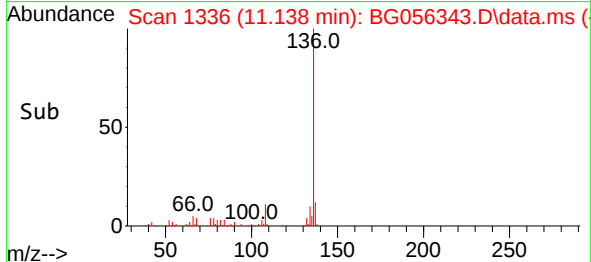
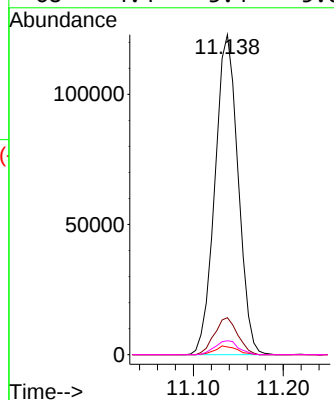
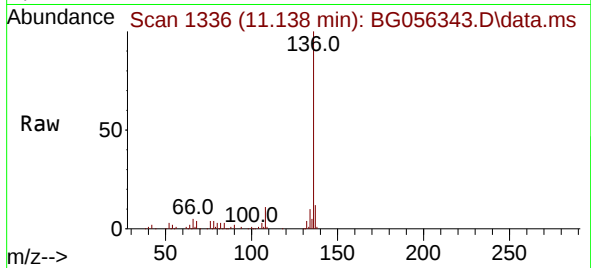


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.138 min Scan# 111
Delta R.T. -0.000 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Instrument :
BNA_G
ClientSampleId :
TP-F

Tgt Ion:136 Resp: 219930

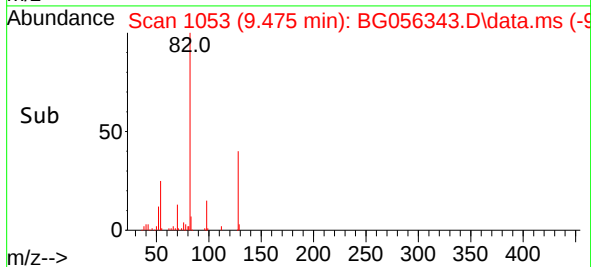
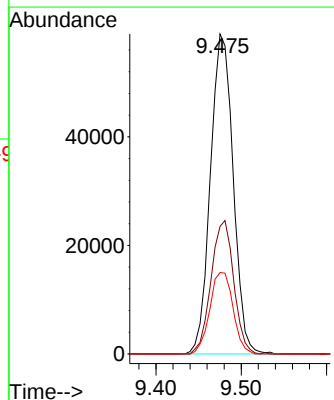
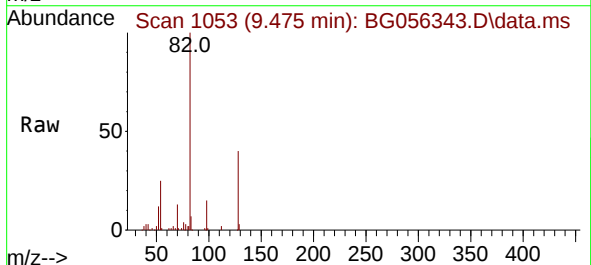
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	2.4	2.2	3.2
68	4.4	3.4	5.0

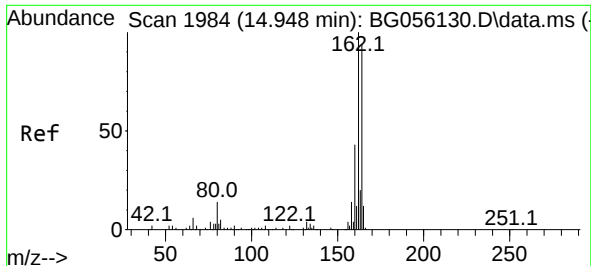


#23
Nitrobenzene-d5
Concen: 25.375 ng
RT: 9.475 min Scan# 1053
Delta R.T. -0.012 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion: 82 Resp: 109103

Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.4	50.2
54	25.5	20.3	30.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.922 min Scan# 1980

Delta R.T. -0.000 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

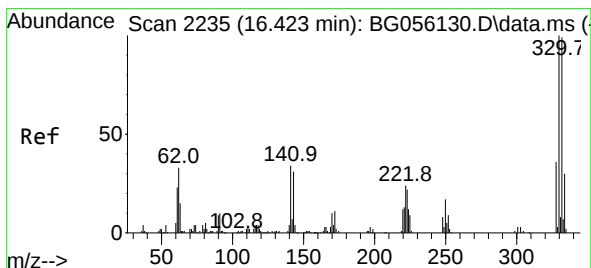
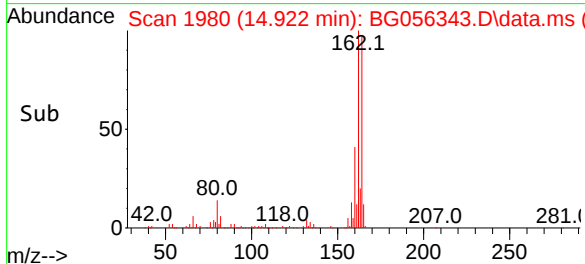
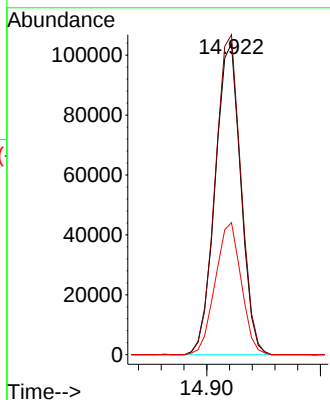
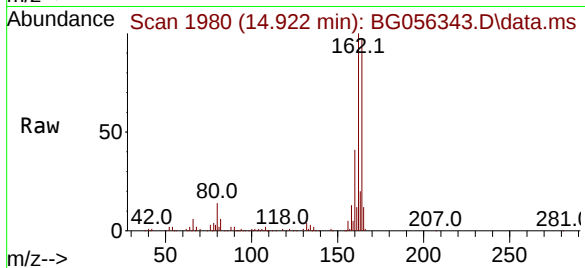
Tgt Ion:164 Resp: 162282

Ion Ratio Lower Upper

164 100

162 102.9 84.7 127.1

160 42.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 37.811 ng

RT: 16.396 min Scan# 2231

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

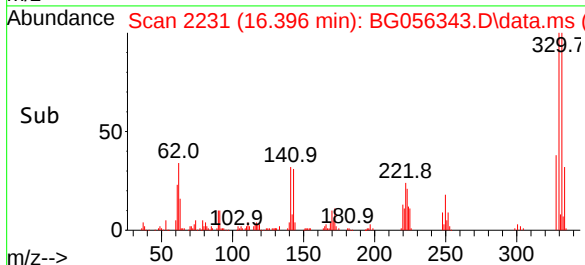
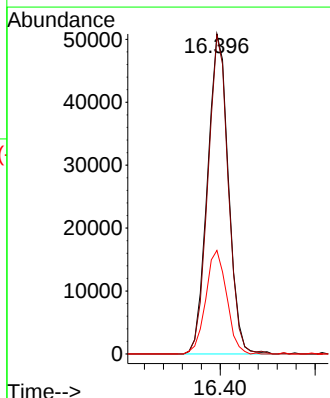
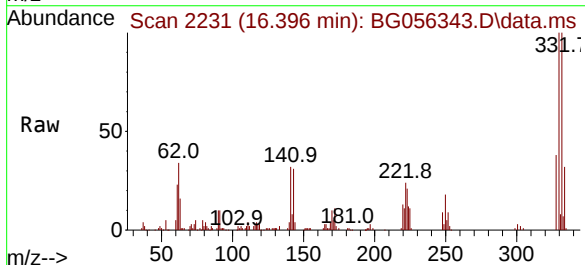
Tgt Ion:330 Resp: 77711

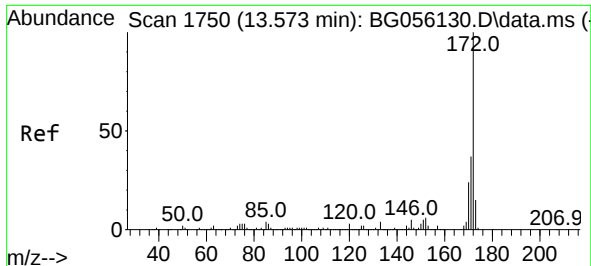
Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 32.5 27.9 41.9

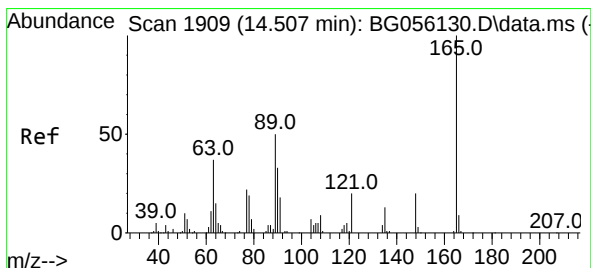
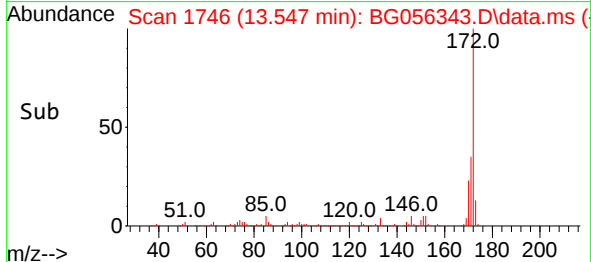
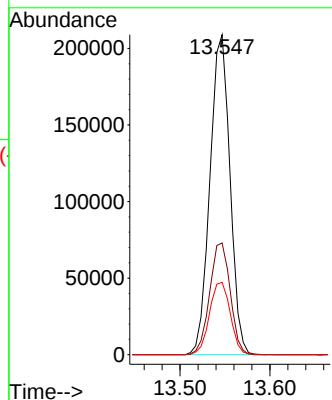
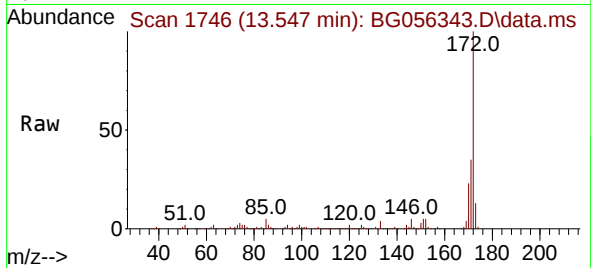




#45
2-Fluorobiphenyl
Concen: 27.510 ng
RT: 13.547 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

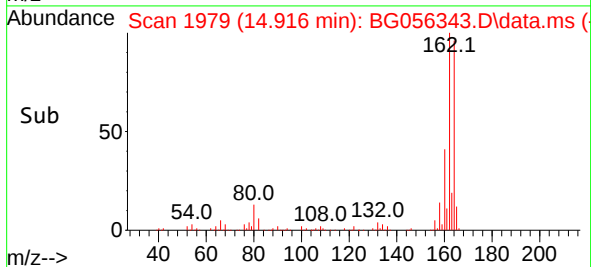
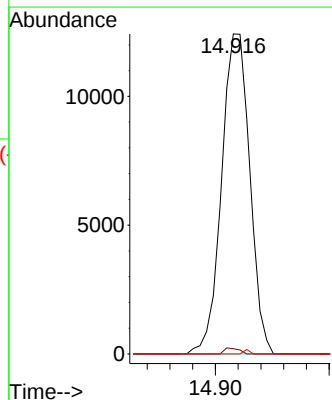
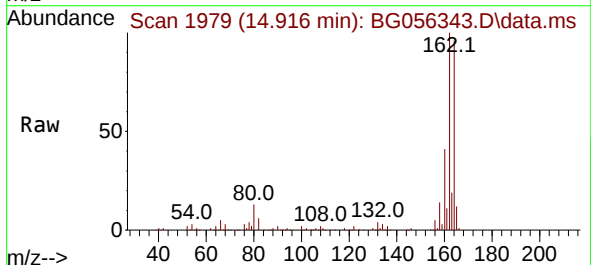
Instrument :
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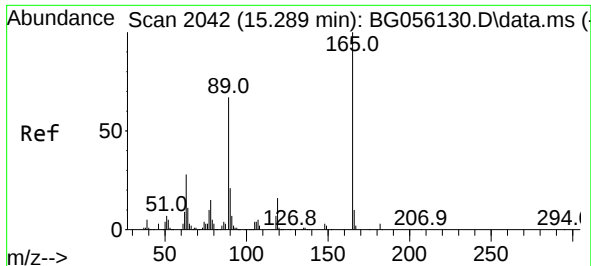
Tgt Ion:172 Resp: 323293
Ion Ratio Lower Upper
172 100
171 34.9 29.6 44.4
170 22.6 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.665 ng
RT: 14.916 min Scan# 1979
Delta R.T. 0.429 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion:165 Resp: 21396
Ion Ratio Lower Upper
165 100
63 1.6 32.2 48.2#
89 0.0 39.8 59.8#





#57

2,4-Dinitrotoluene

Concen: 5.481 ng

RT: 14.916 min Scan# 14

Delta R.T. -0.358 min

Lab File: BG056343.D

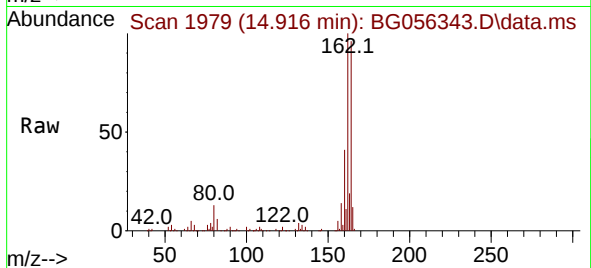
Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F



Tgt Ion:165 Resp: 21396

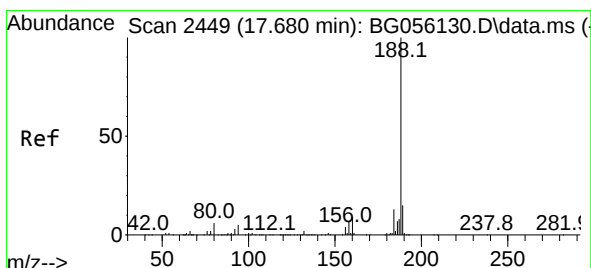
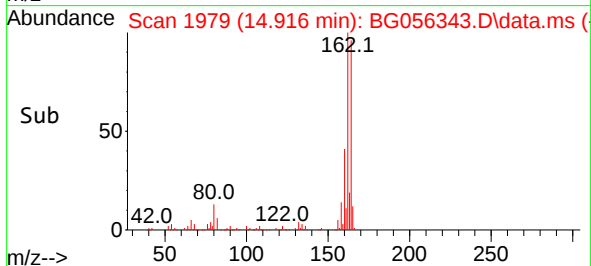
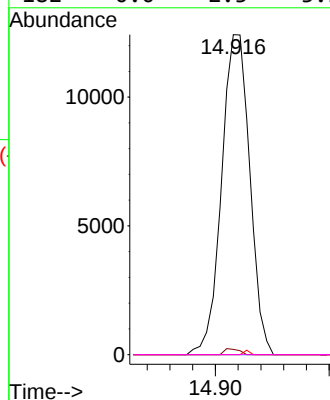
Ion Ratio Lower Upper

165 100

63 1.6 22.6 34.0#

89 0.0 53.2 79.8#

182 0.0 2.3 3.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.654 min Scan# 2445

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

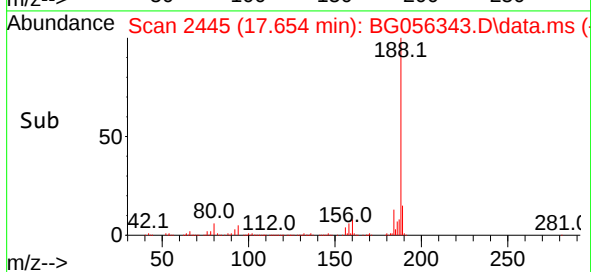
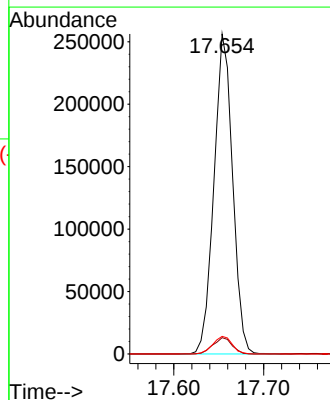
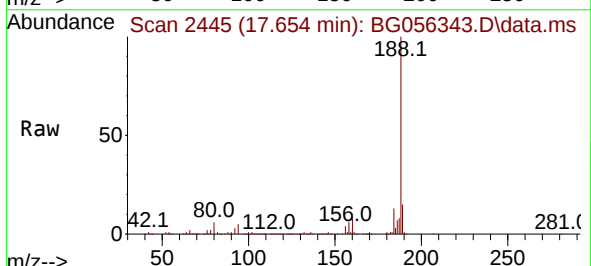
Tgt Ion:188 Resp: 368907

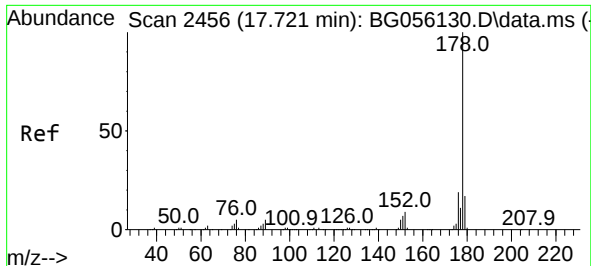
Ion Ratio Lower Upper

188 100

94 5.1 4.2 6.2

80 5.5 5.0 7.4

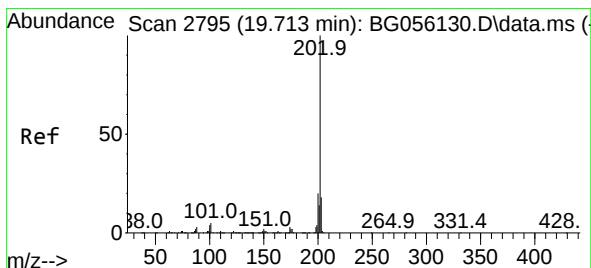
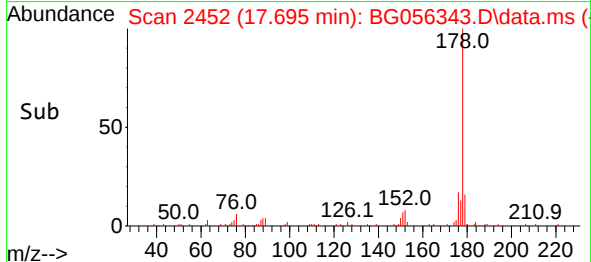
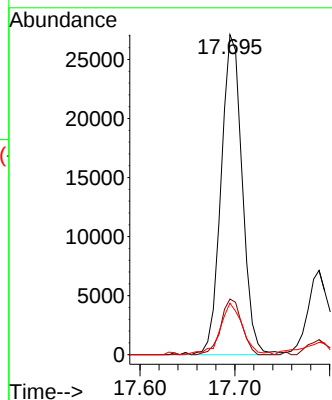
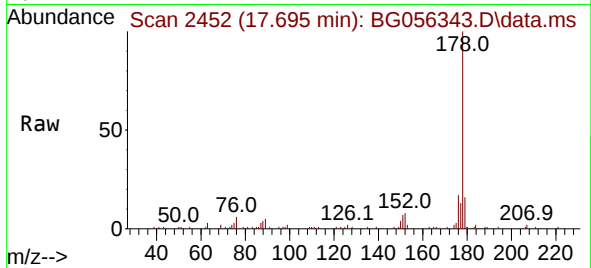




#71
Phenanthrene
Concen: 2.198 ng
RT: 17.695 min Scan# 2456
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

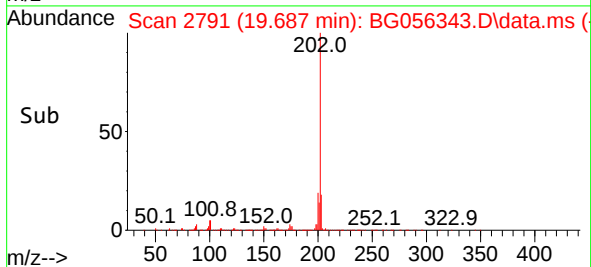
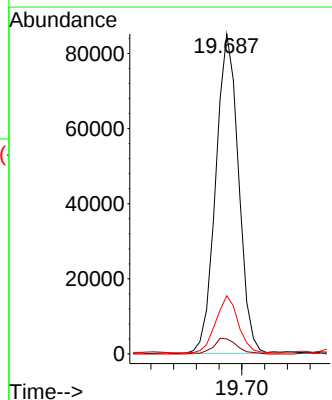
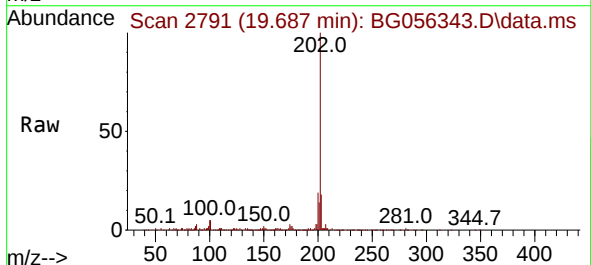
Instrument :
BNA_G
ClientSampleId :
TP-F

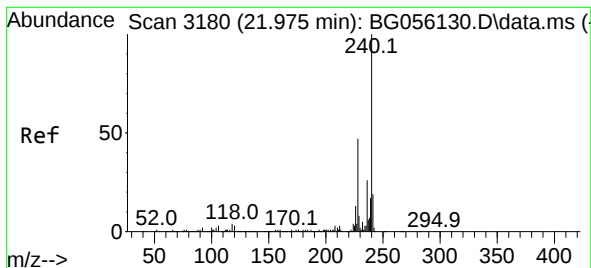
Tgt Ion:178 Resp: 42029
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.0
179 16.1 13.6 20.4



#75
Fluoranthene
Concen: 4.753 ng
RT: 19.687 min Scan# 2791
Delta R.T. -0.006 min
Lab File: BG056343.D
Acq: 19 Jan 2023 00:57

Tgt Ion:202 Resp: 118533
Ion Ratio Lower Upper
202 100
101 4.7 0.0 25.0
203 18.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.949 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

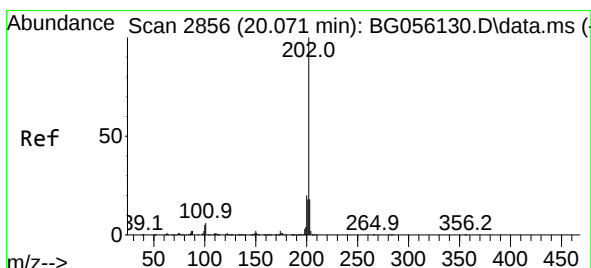
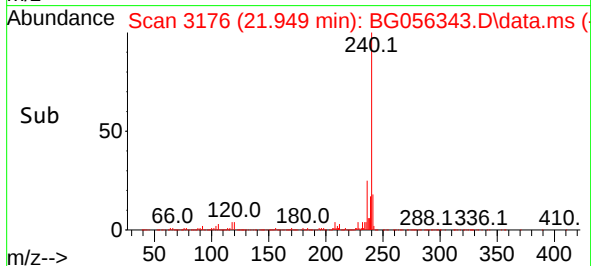
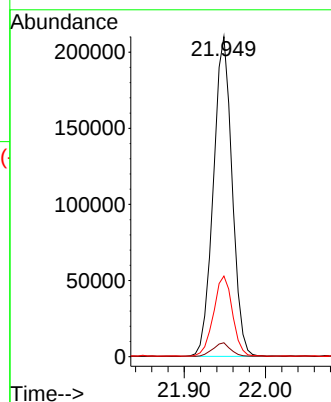
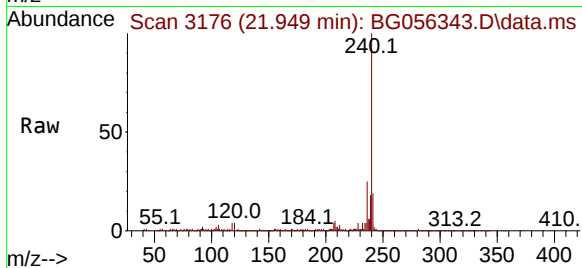
Tgt Ion:240 Resp: 335927

Ion Ratio Lower Upper

240 100

120 4.3 2.6 4.0#

236 25.2 20.8 31.2



#78

Pyrene

Concen: 4.548 ng

RT: 20.045 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

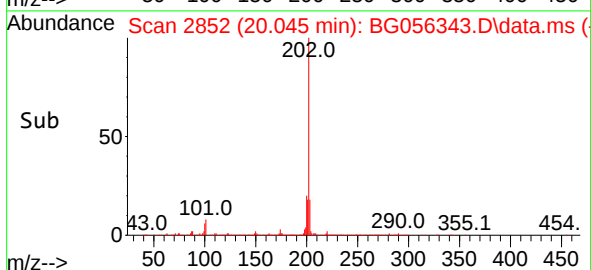
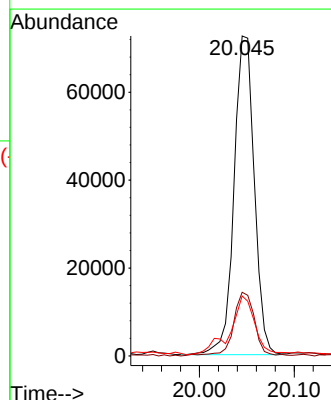
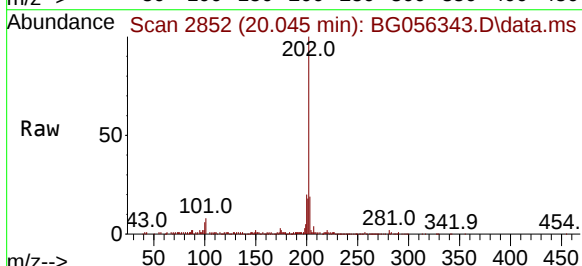
Tgt Ion:202 Resp: 107679

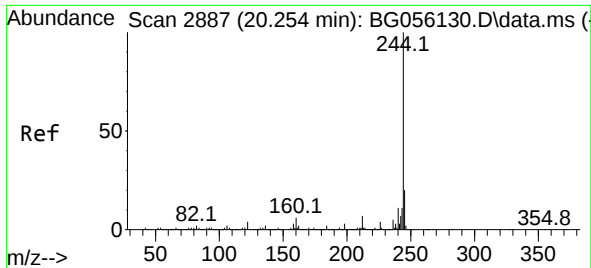
Ion Ratio Lower Upper

202 100

200 19.9 16.4 24.6

203 18.7 14.3 21.5

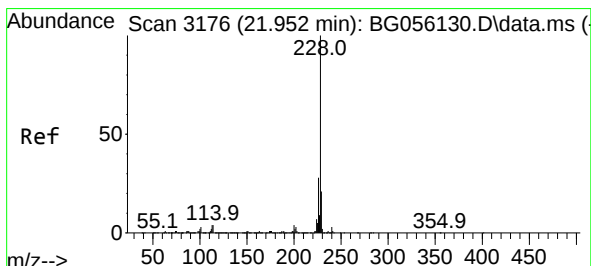
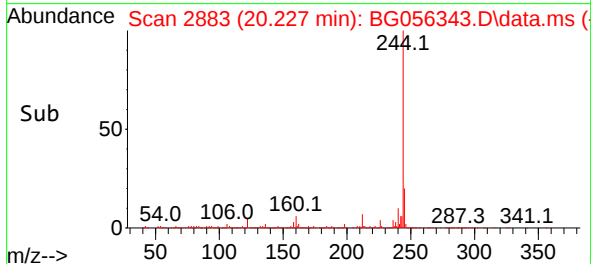
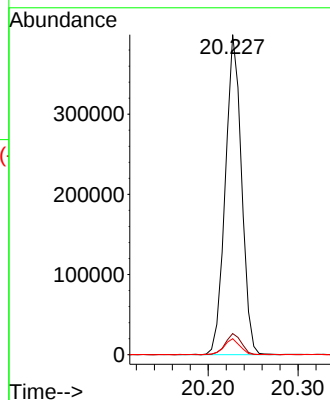
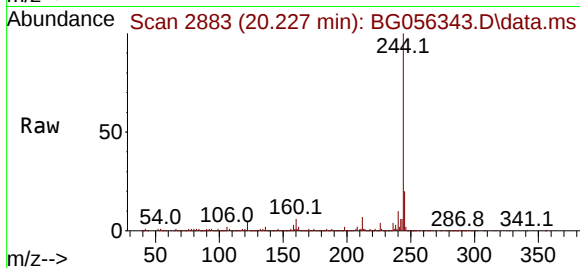




#79
 Terphenyl-d14
 Concen: 26.733 ng
 RT: 20.227 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056343.D
 Acq: 19 Jan 2023 00:57

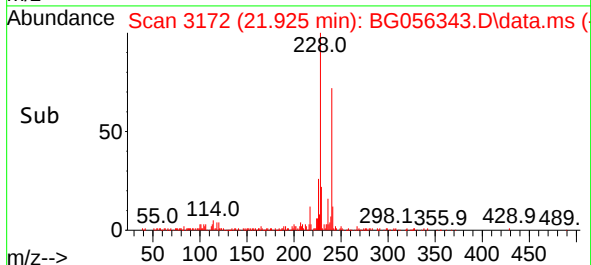
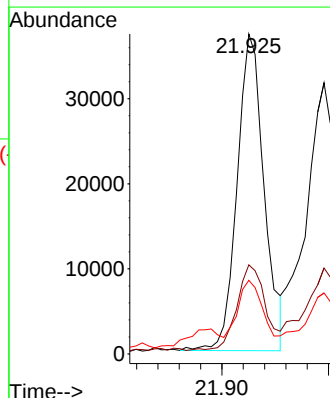
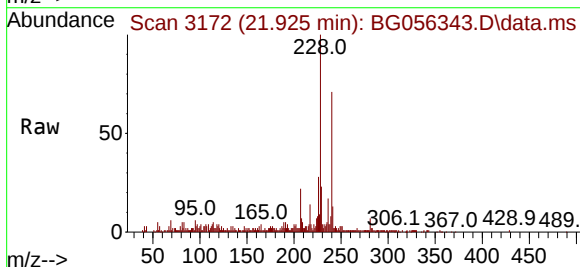
Instrument :
 BNA_G
 ClientSampleId :
 TP-F

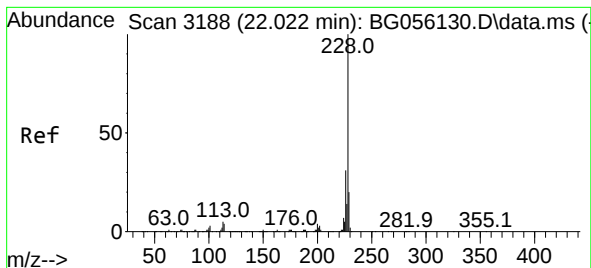
Tgt Ion:244 Resp: 501409
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 5.0 3.5 5.3



#81
 Benzo(a)anthracene
 Concen: 2.773 ng
 RT: 21.925 min Scan# 3172
 Delta R.T. -0.006 min
 Lab File: BG056343.D
 Acq: 19 Jan 2023 00:57

Tgt Ion:228 Resp: 65421
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 34.0
 229 23.0 16.9 25.3





#83

Chrysene

Concen: 2.892 ng

RT: 21.996 min Scan# 3184

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

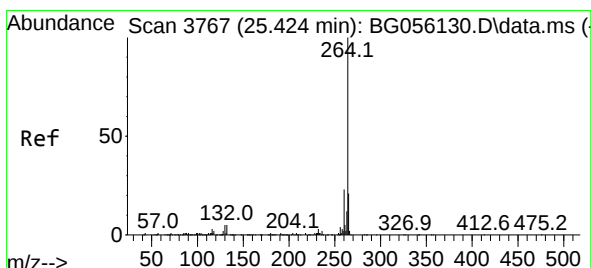
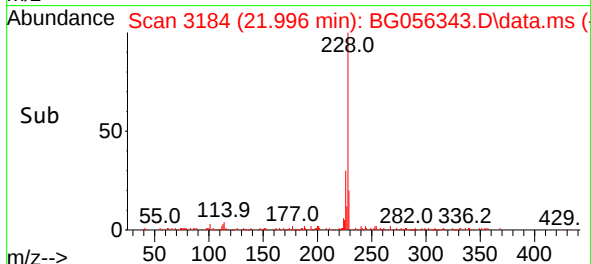
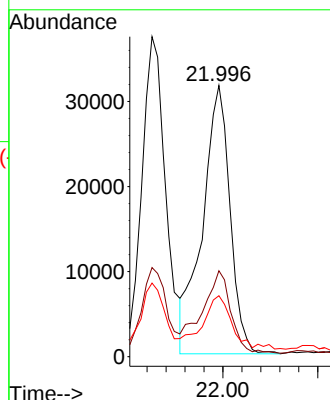
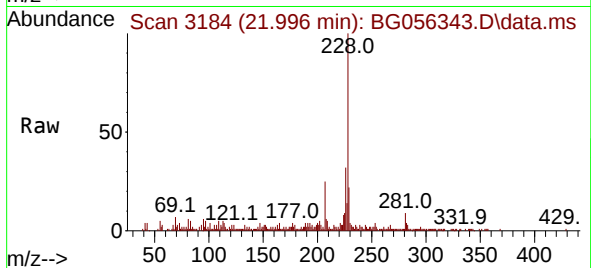
Tgt Ion:228 Resp: 63908

Ion Ratio Lower Upper

228 100

226 31.7 24.6 36.8

229 22.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.392 min Scan# 3762

Delta R.T. -0.000 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

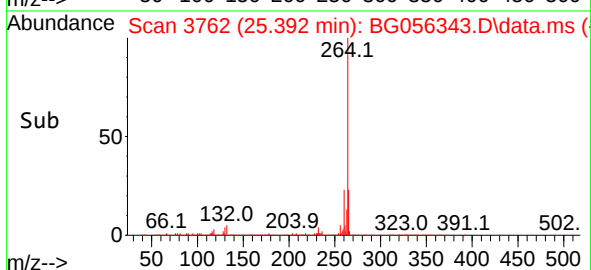
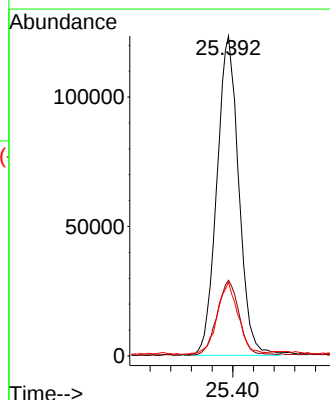
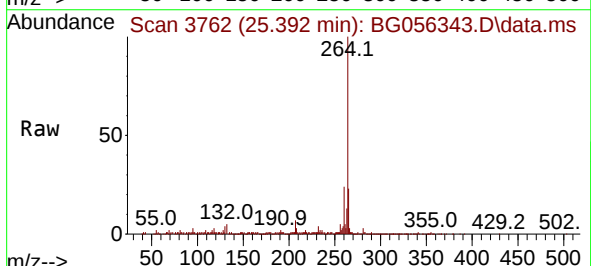
Tgt Ion:264 Resp: 362281

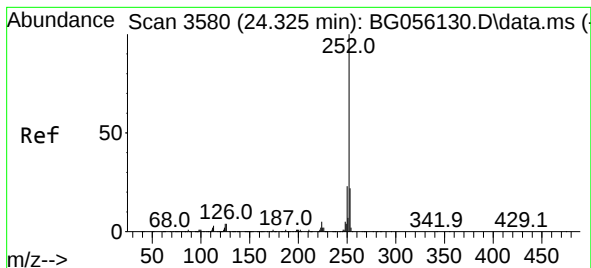
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 23.0 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 4.184 ng

RT: 24.287 min Scan# 3574

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

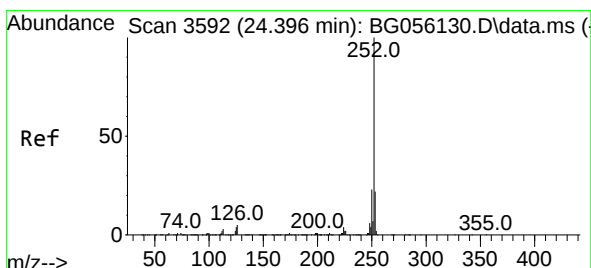
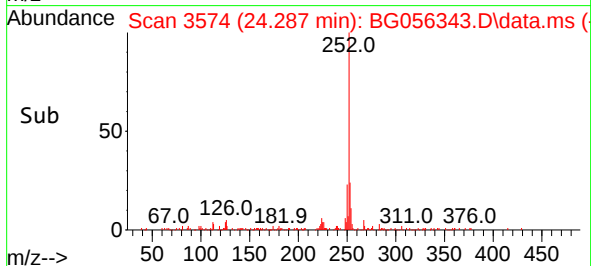
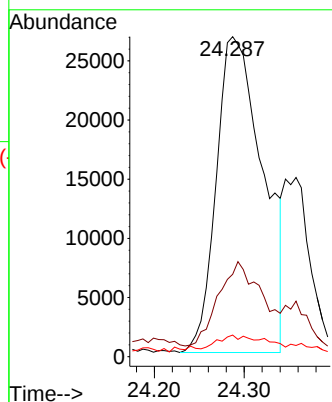
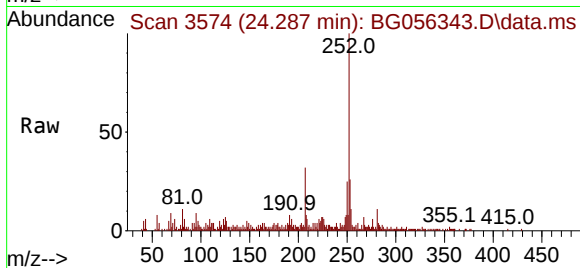
Tgt Ion:252 Resp: 96306

Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.2

125 6.7 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 4.202 ng

RT: 24.287 min Scan# 3574

Delta R.T. -0.082 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

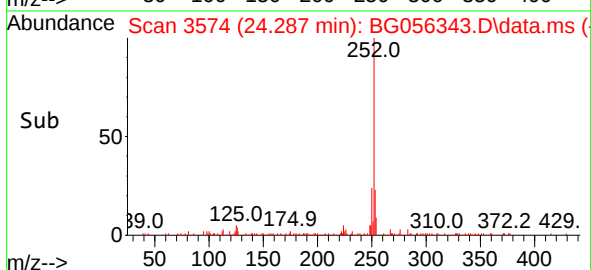
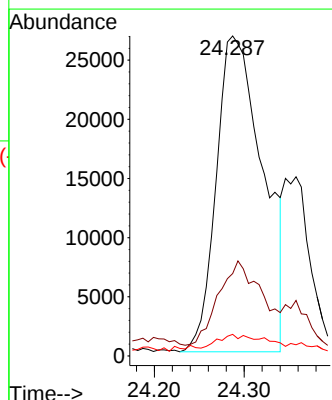
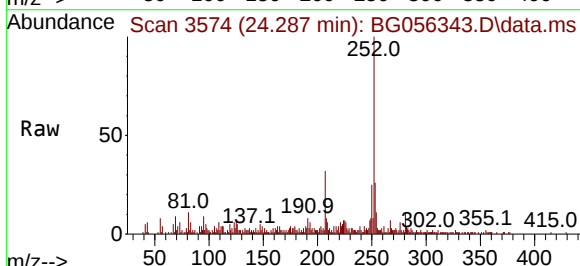
Tgt Ion:252 Resp: 96306

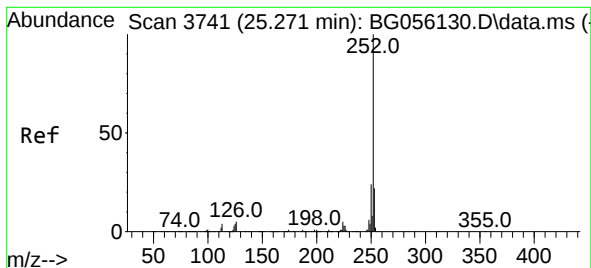
Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 6.7 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 2.970 ng

RT: 25.221 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Instrument :

BNA_G

ClientSampleId :

TP-F

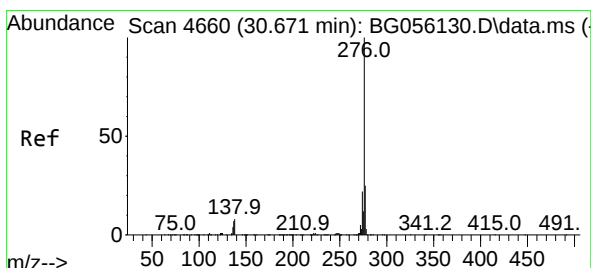
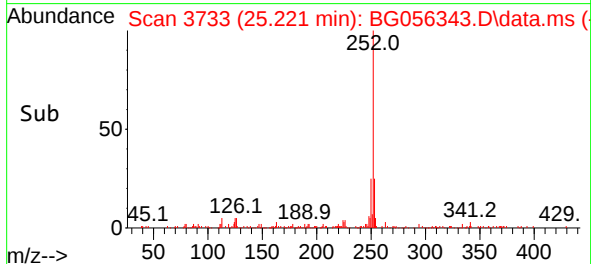
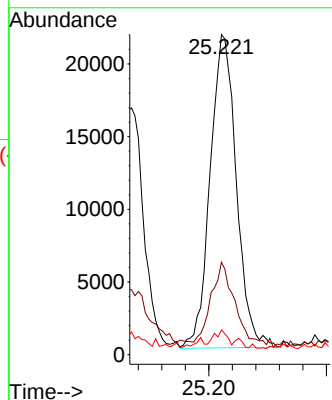
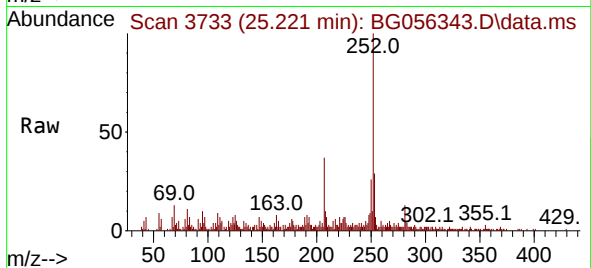
Tgt Ion:252 Resp: 66672

Ion Ratio Lower Upper

252 100

253 28.9 17.4 26.2#

125 7.8 3.2 4.8#



#92

Benzo(g,h,i)perylene

Concen: 2.081 ng

RT: 30.597 min Scan# 4648

Delta R.T. -0.000 min

Lab File: BG056343.D

Acq: 19 Jan 2023 00:57

Tgt Ion:276 Resp: 44586

Ion Ratio Lower Upper

276 100

277 26.8 19.7 29.5

138 7.0 6.7 10.1

