

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
 Data File : BG055172.D
 Acq On : 13 Oct 2022 20:48
 Operator : CG/JU
 Sample : N5104-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-101122

Quant Time: Oct 14 01:29:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

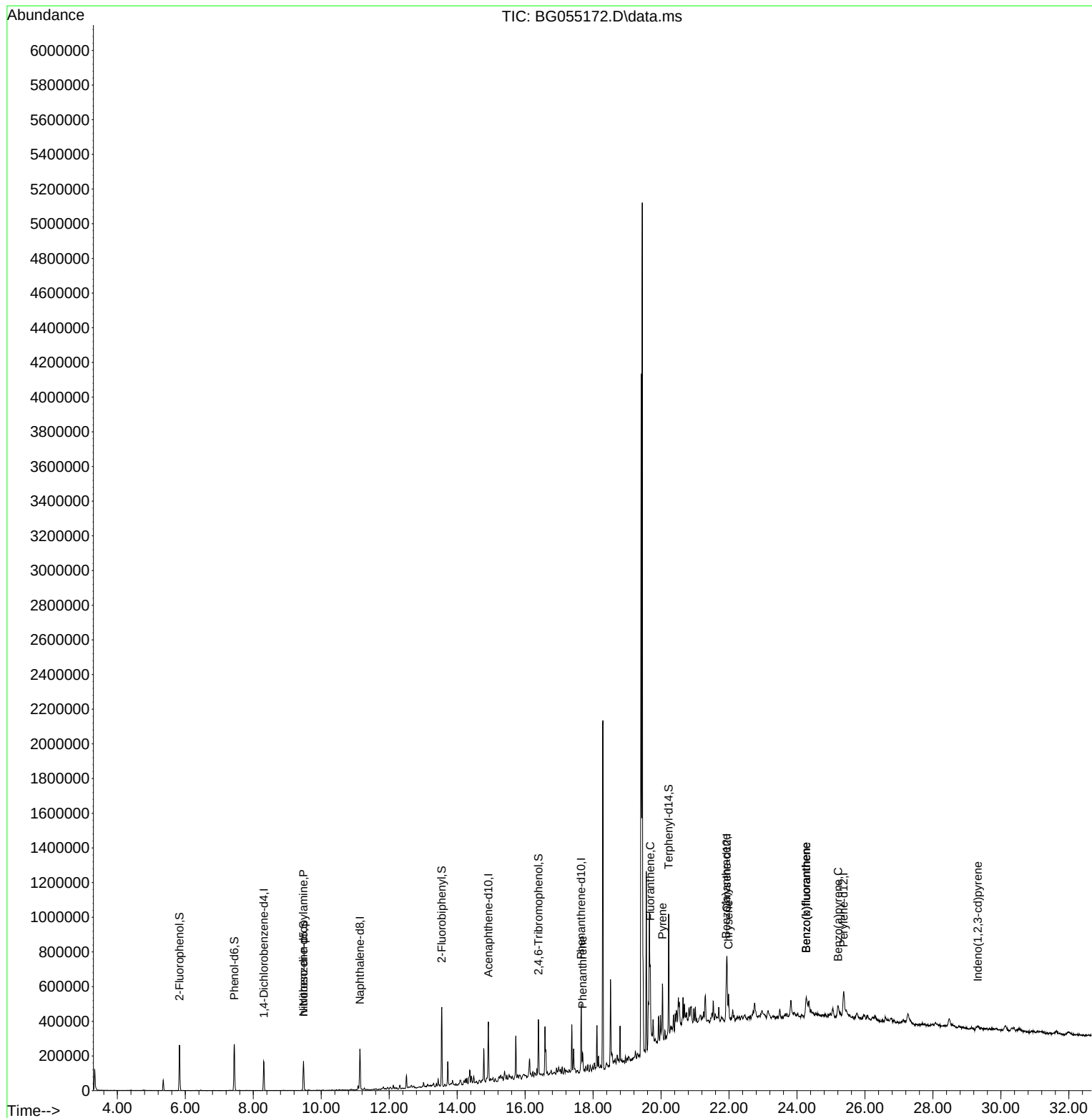
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.312	152	49065	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	192897	20.000	ng	0.00
39) Acenaphthene-d10	14.916	164	116971	20.000	ng	0.00
64) Phenanthrene-d10	17.648	188	237470	20.000	ng	0.00
76) Chrysene-d12	21.937	240	231914	20.000	ng	0.01
86) Perylene-d12	25.368	264	187084	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	119140	47.507	ng	0.00
7) Phenol-d6	7.442	99	156530	42.194	ng	0.00
23) Nitrobenzene-d5	9.475	82	100765	28.012	ng	0.00
42) 2,4,6-Tribromophenol	16.391	330	70898	42.183	ng	0.00
45) 2-Fluorobiphenyl	13.547	172	239474	33.444	ng	0.00
79) Terphenyl-d14	20.222	244	344124	29.885	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.475	70	14524	4.851	ng	# 79
71) Phenanthrene	17.689	178	62370	5.064	ng	97
75) Fluoranthene	19.681	202	204934	13.310	ng	99
78) Pyrene	20.039	202	217771	14.086	ng	99
81) Benzo(a)anthracene	21.914	228	125848	8.481	ng	93
83) Chrysene	21.984	228	120325	8.596	ng	95
87) Indeno(1,2,3-cd)pyrene	29.317	276	34828	2.513	ng	# 94
88) Benzo(b)fluoranthene	24.270	252	142810	12.807	ng	# 89
89) Benzo(k)fluoranthene	24.270	252	142810	12.747	ng	# 88
90) Benzo(a)pyrene	25.204	252	105954	11.112	ng	# 90

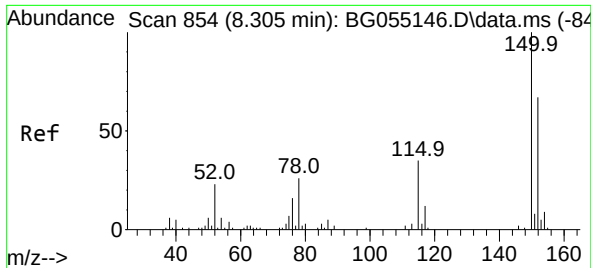
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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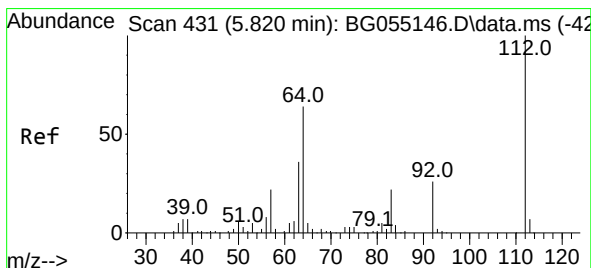
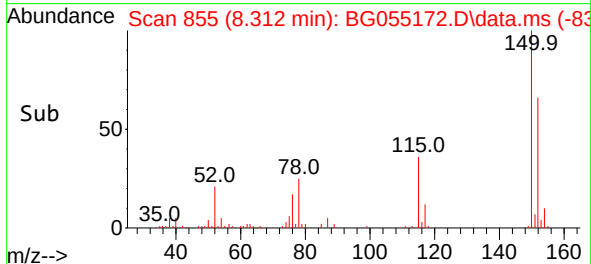
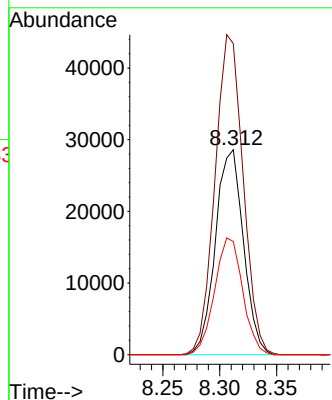
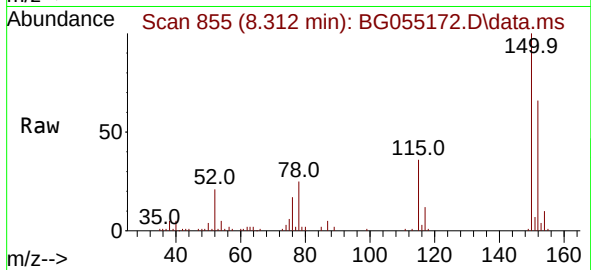




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.312 min Scan# 854
 Delta R.T. 0.007 min
 Lab File: BG055172.D
 Acq: 13 Oct 2022 20:48

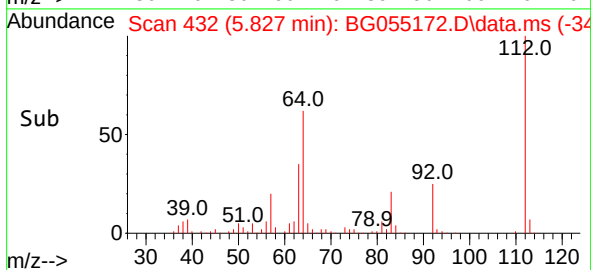
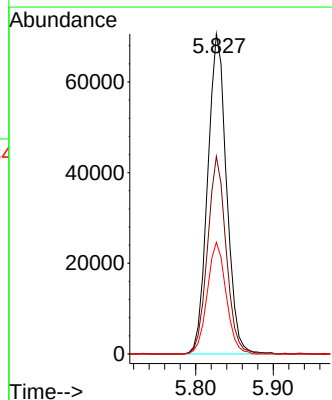
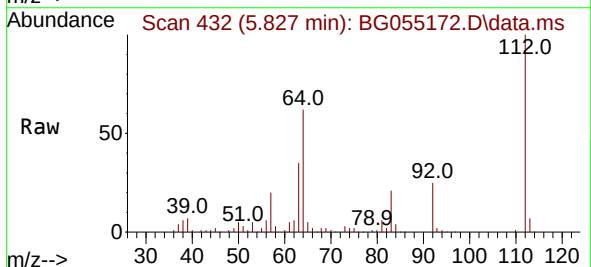
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-101122

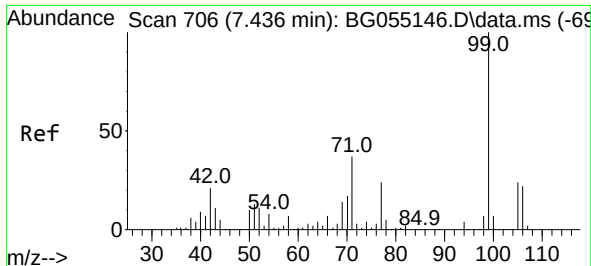
Tgt Ion:152 Resp: 49065
 Ion Ratio Lower Upper
 152 100
 150 151.8 119.7 179.5
 115 55.2 42.4 63.6



#5
 2-Fluorophenol
 Concen: 47.507 ng
 RT: 5.827 min Scan# 432
 Delta R.T. 0.007 min
 Lab File: BG055172.D
 Acq: 13 Oct 2022 20:48

Tgt Ion:112 Resp: 119140
 Ion Ratio Lower Upper
 112 100
 64 61.7 50.9 76.3
 63 34.9 29.0 43.6

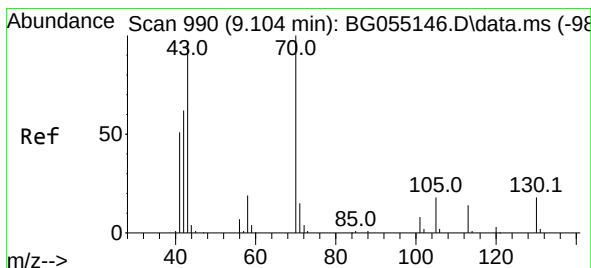
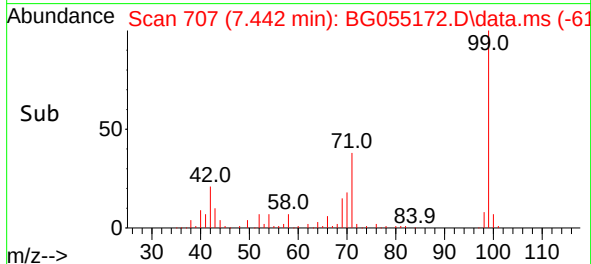
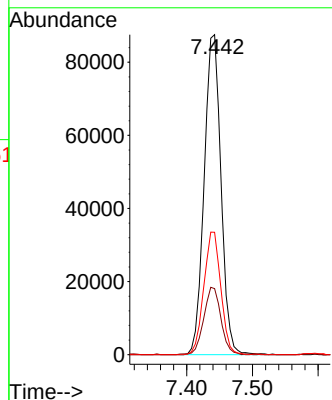
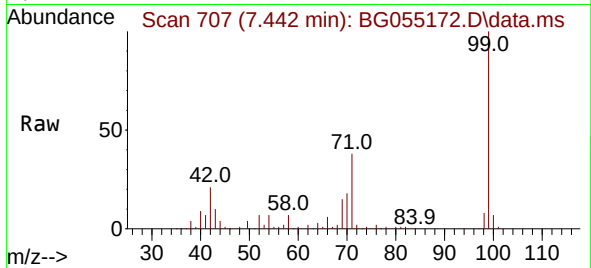




#7
Phenol-d6
Concen: 42.194 ng
RT: 7.442 min Scan# 706
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

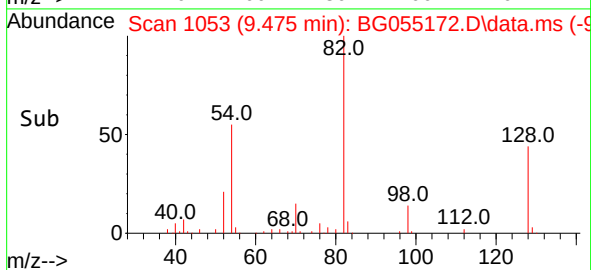
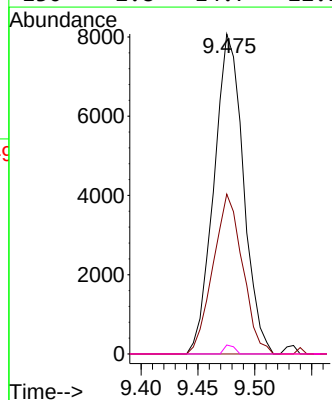
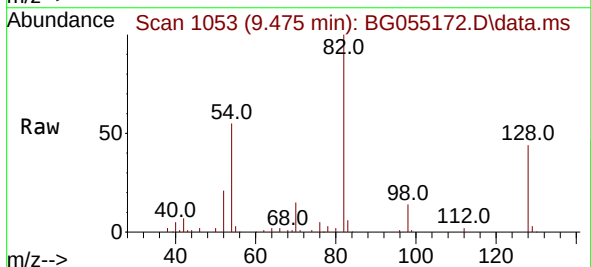
Instrument :
BNA_G
ClientSampleId :
PL-01-101122

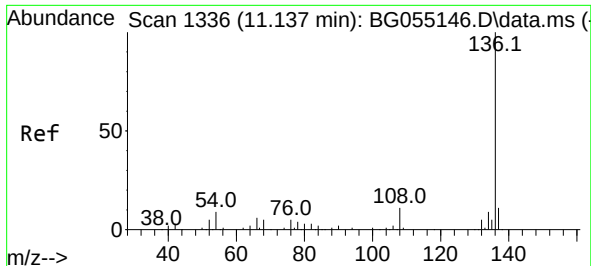
Tgt Ion: 99 Resp: 156530
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 38.3 29.6 44.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.851 ng
RT: 9.475 min Scan# 1053
Delta R.T. 0.371 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Tgt Ion: 70 Resp: 14524
Ion Ratio Lower Upper
70 100
42 49.9 50.1 75.1#
101 0.0 6.6 10.0#
130 2.8 14.7 22.1#



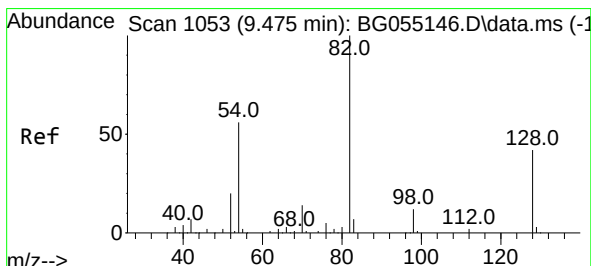
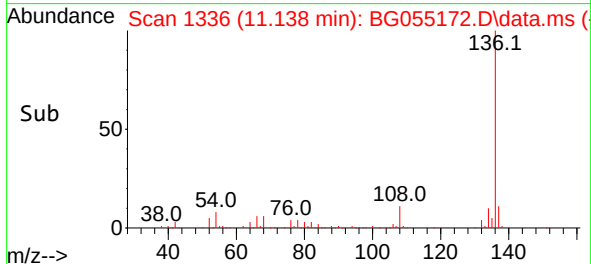
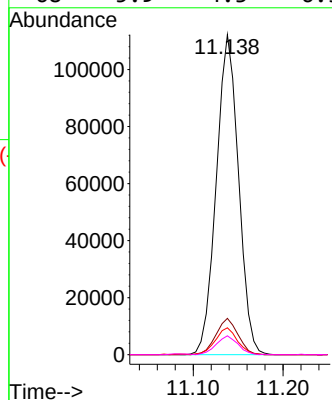
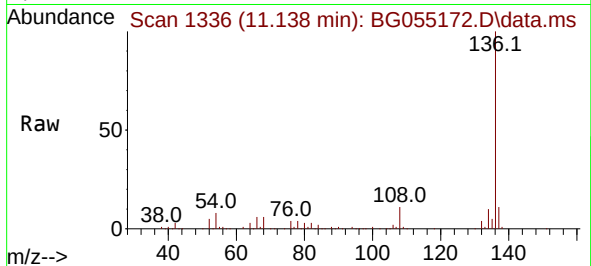


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.138 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Instrument :
BNA_G
ClientSampleId :
PL-01-101122

Tgt Ion:136 Resp: 192897

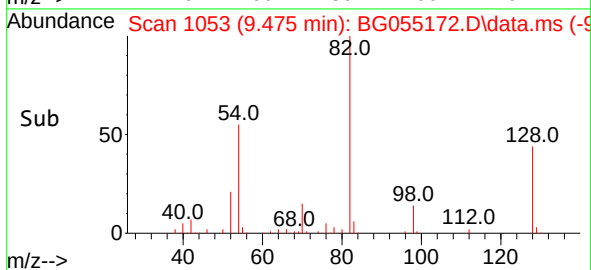
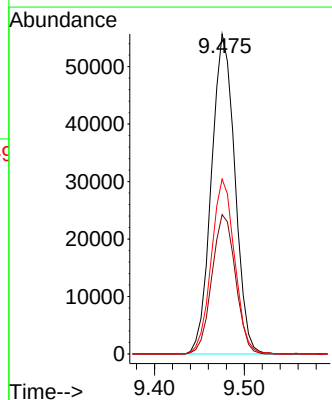
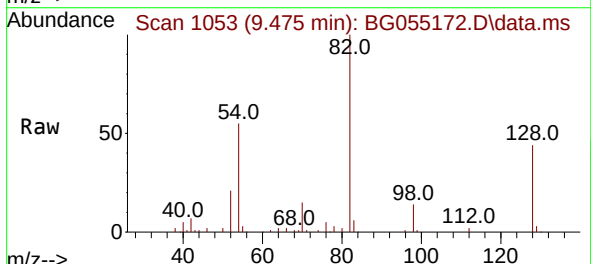
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.4	7.0	10.6
68	5.9	4.3	6.5

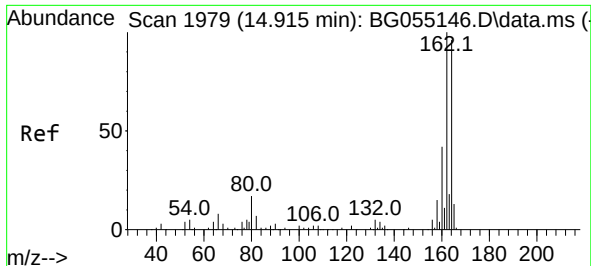


#23
Nitrobenzene-d5
Concen: 28.012 ng
RT: 9.475 min Scan# 1053
Delta R.T. 0.001 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Tgt Ion: 82 Resp: 100765

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.5	50.3
54	54.6	44.7	67.1

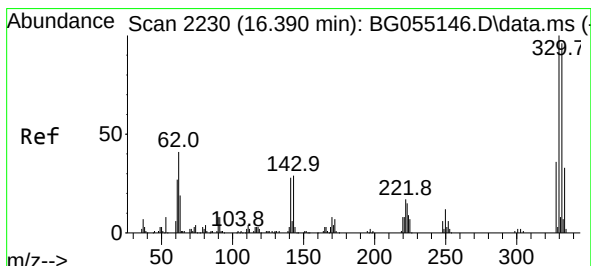
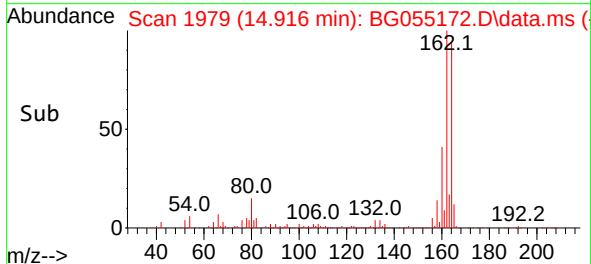
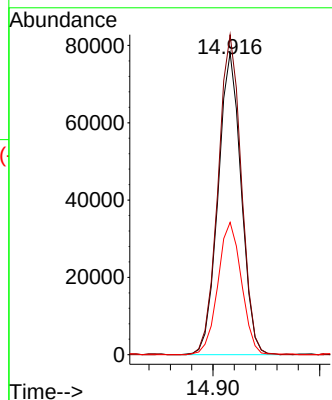
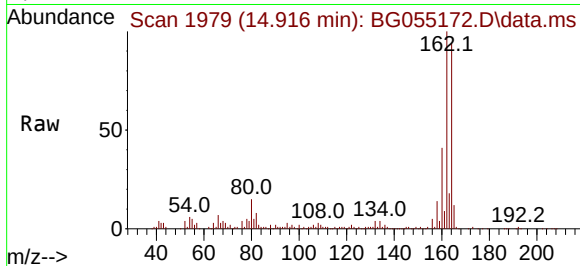




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.916 min Scan# 1979
Delta R.T. 0.001 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

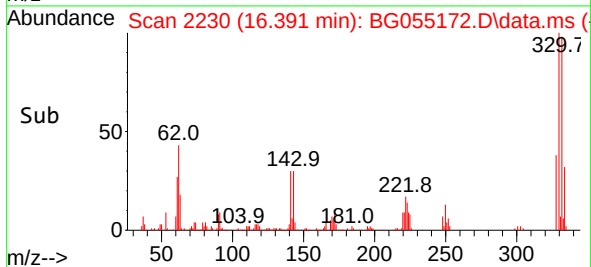
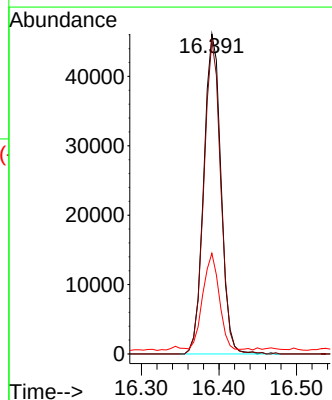
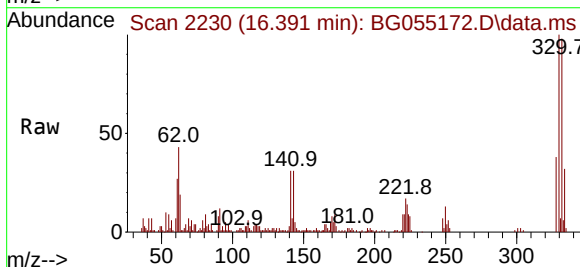
Instrument :
BNA_G
ClientSampleId :
PL-01-101122

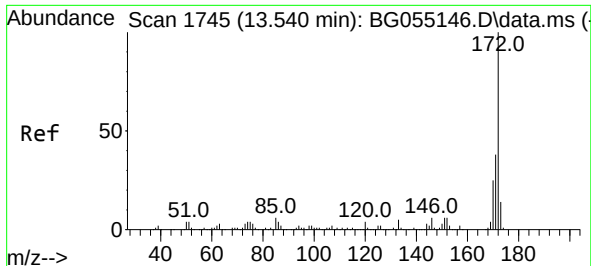
Tgt Ion:164 Resp: 116971
Ion Ratio Lower Upper
164 100
162 106.0 83.3 124.9
160 43.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 42.183 ng
RT: 16.391 min Scan# 2230
Delta R.T. 0.001 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Tgt Ion:330 Resp: 70898
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 28.8 24.6 36.8

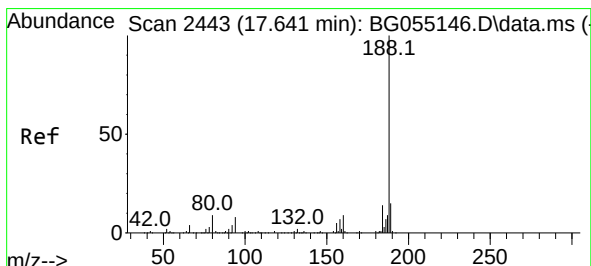
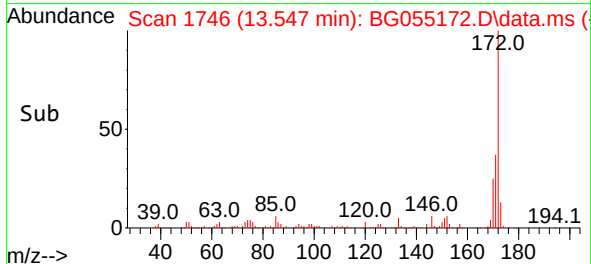
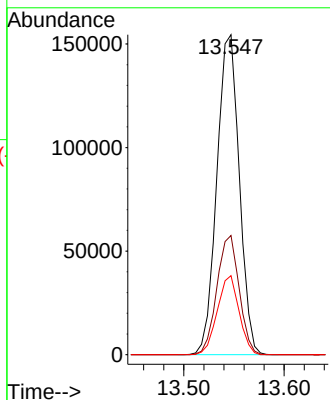
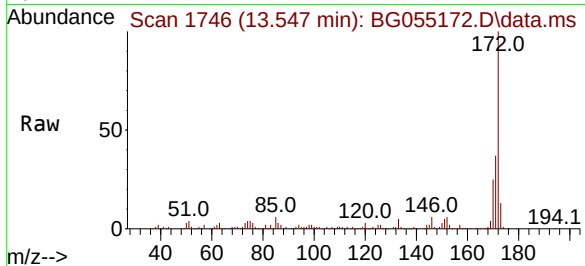




#45
2-Fluorobiphenyl
Concen: 33.444 ng
RT: 13.547 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

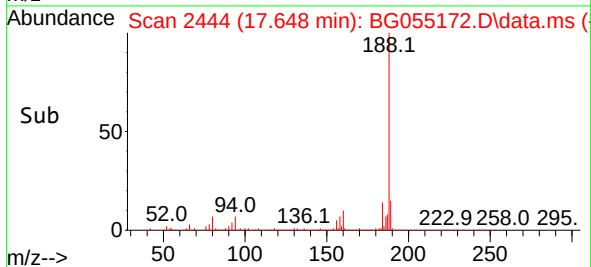
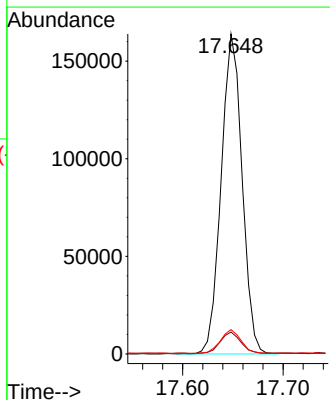
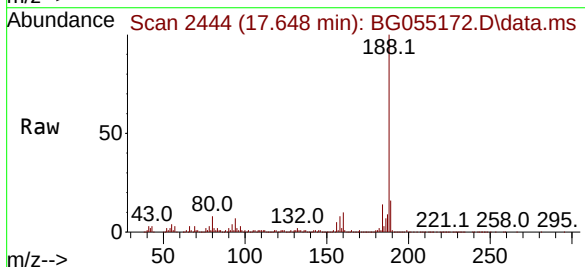
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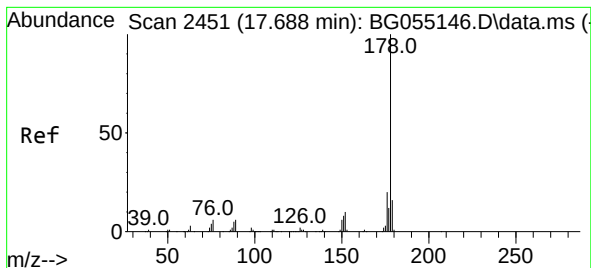
Tgt Ion:172 Resp: 239474
Ion Ratio Lower Upper
172 100
171 37.3 30.1 45.1
170 24.7 19.8 29.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2444
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Tgt Ion:188 Resp: 237470
Ion Ratio Lower Upper
188 100
94 6.8 6.2 9.2
80 7.6 7.0 10.6





#71

Phenanthrene

Concen: 5.064 ng

RT: 17.689 min Scan# 24

Delta R.T. 0.001 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

PL-01-101122

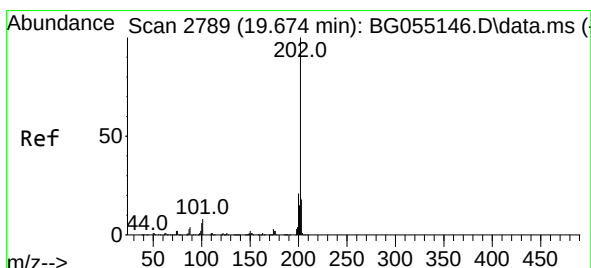
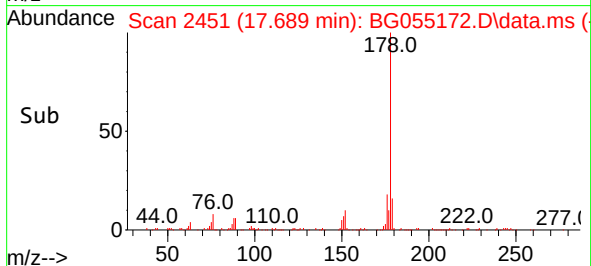
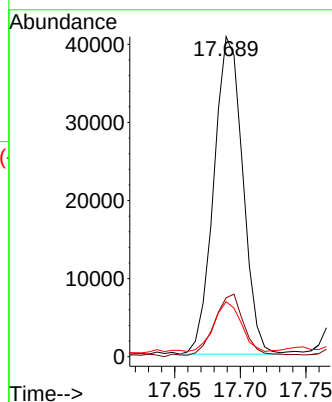
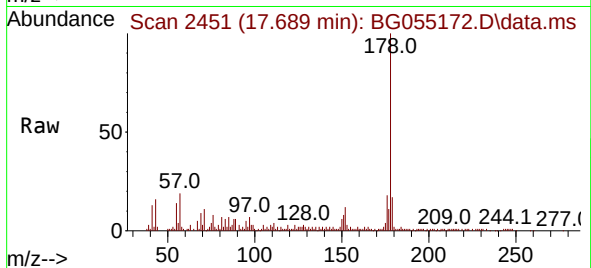
Tgt Ion:178 Resp: 62370

Ion Ratio Lower Upper

178 100

176 18.4 16.0 24.0

179 17.2 12.7 19.1



#75

Fluoranthene

Concen: 13.310 ng

RT: 19.681 min Scan# 2790

Delta R.T. 0.007 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

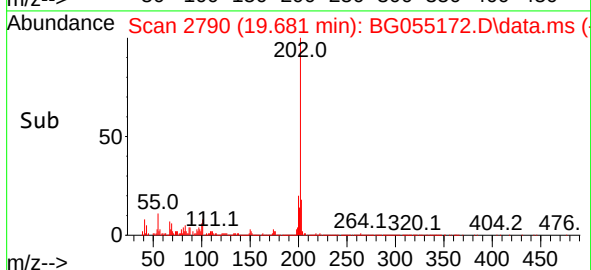
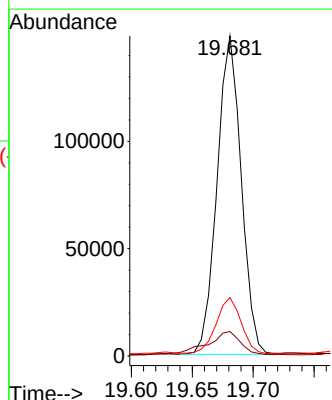
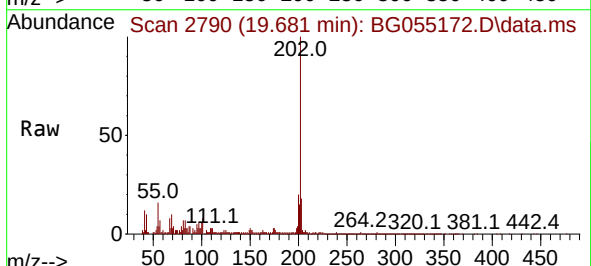
Tgt Ion:202 Resp: 204934

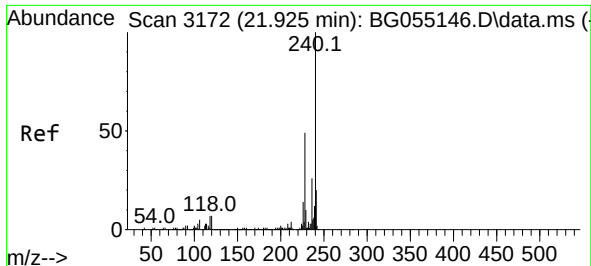
Ion Ratio Lower Upper

202 100

101 7.7 0.0 28.4

203 18.3 0.0 37.8

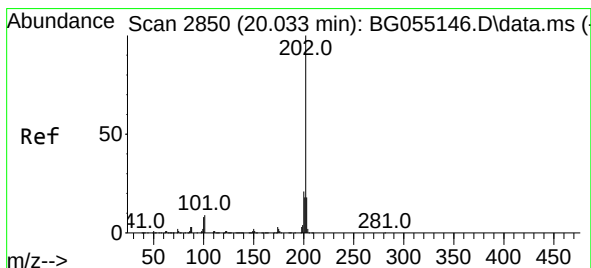
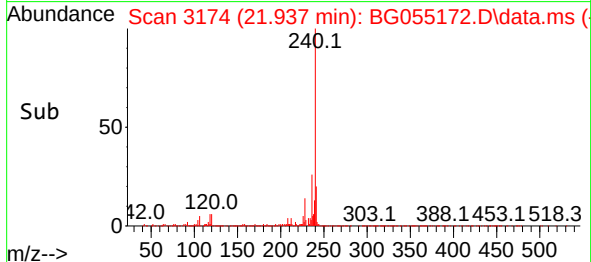
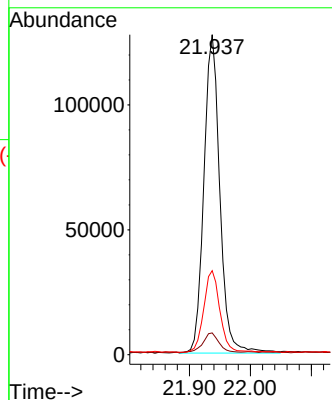
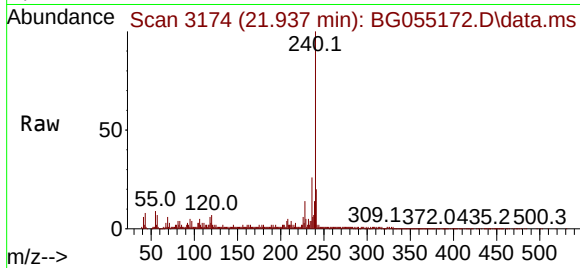




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.937 min Scan# 3174
Delta R.T. 0.013 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

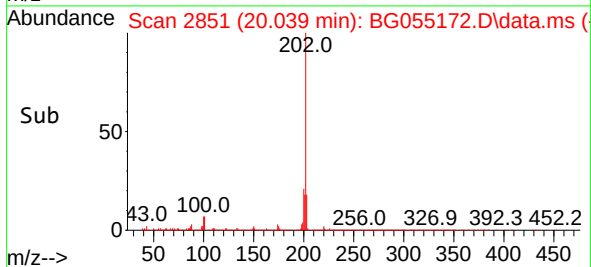
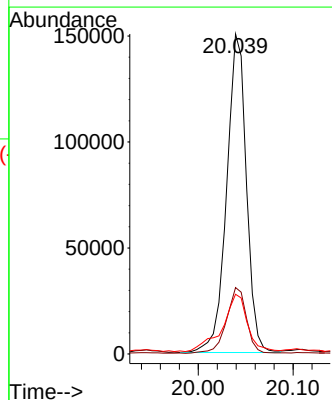
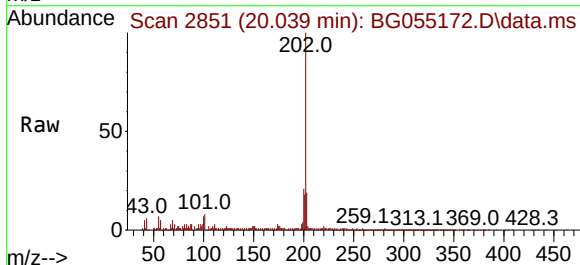
Instrument :
BNA_G
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PL-01-101122

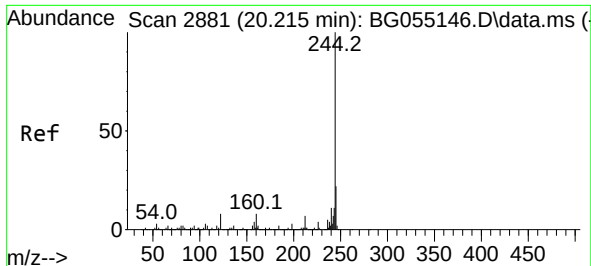
Tgt Ion:240 Resp: 231914
Ion Ratio Lower Upper
240 100
120 6.8 5.4 8.0
236 26.3 20.6 31.0



#78
Pyrene
Concen: 14.086 ng
RT: 20.039 min Scan# 2851
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Tgt Ion:202 Resp: 217771
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 18.7 14.4 21.6

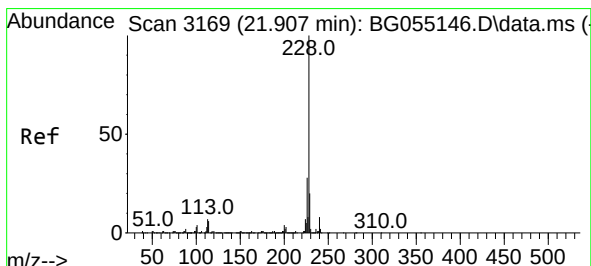
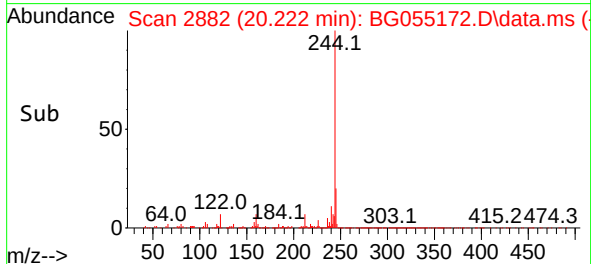
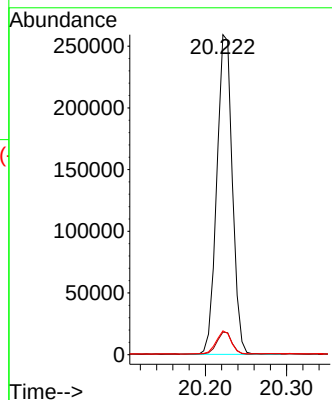
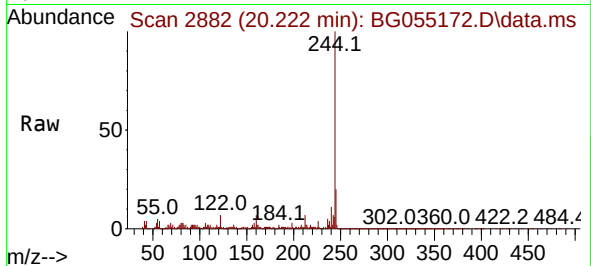




#79
 Terphenyl-d14
 Concen: 29.885 ng
 RT: 20.222 min Scan# 2
 Delta R.T. 0.007 min
 Lab File: BG055172.D
 Acq: 13 Oct 2022 20:48

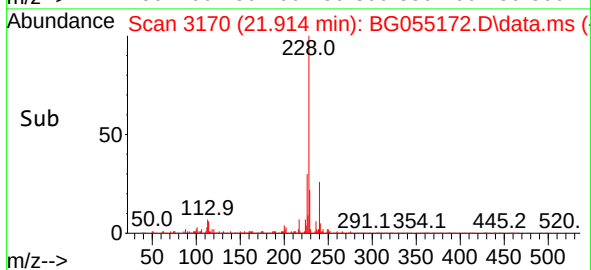
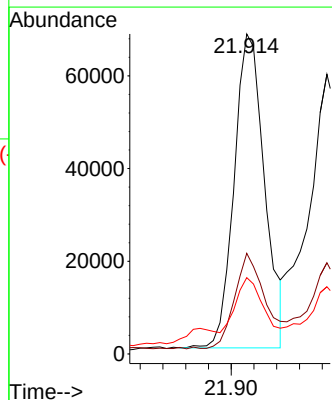
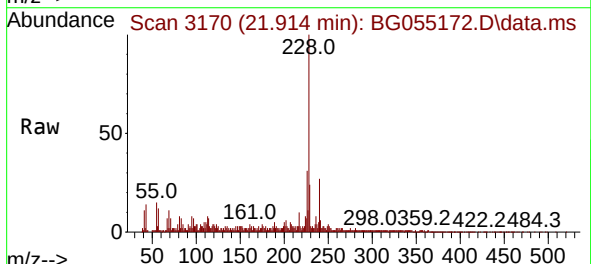
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-101122

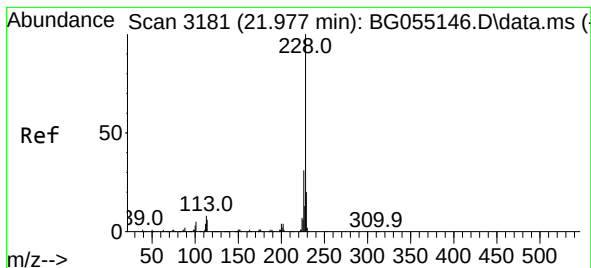
Tgt Ion:244 Resp: 344124
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 7.5 6.6 10.0



#81
 Benzo(a)anthracene
 Concen: 8.481 ng
 RT: 21.914 min Scan# 3170
 Delta R.T. 0.007 min
 Lab File: BG055172.D
 Acq: 13 Oct 2022 20:48

Tgt Ion:228 Resp: 125848
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 34.0
 229 23.8 16.2 24.4





#83

Chrysene

Concen: 8.596 ng

RT: 21.984 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

PL-01-101122

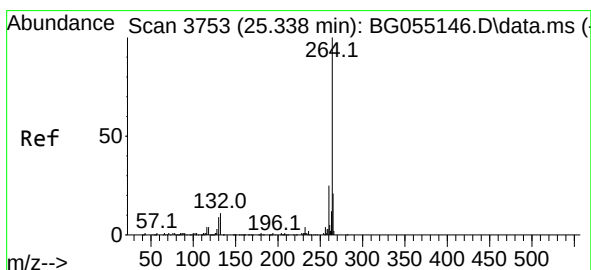
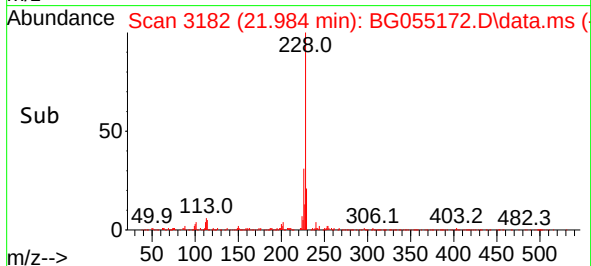
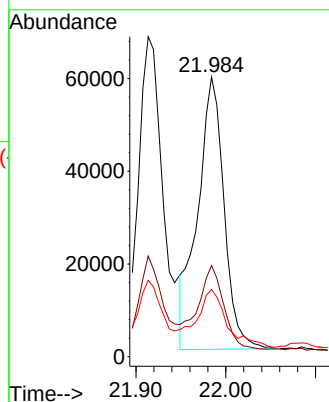
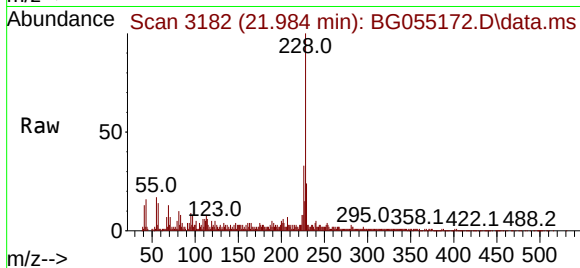
Tgt Ion:228 Resp: 120325

Ion Ratio Lower Upper

228 100

226 32.6 25.1 37.7

229 24.1 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.368 min Scan# 3758

Delta R.T. 0.030 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

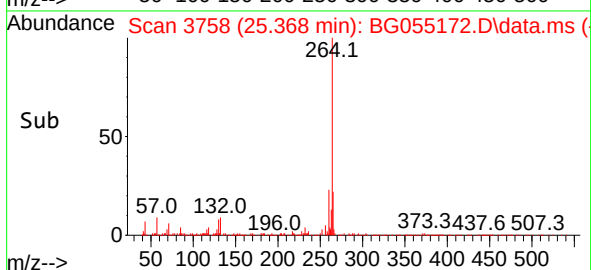
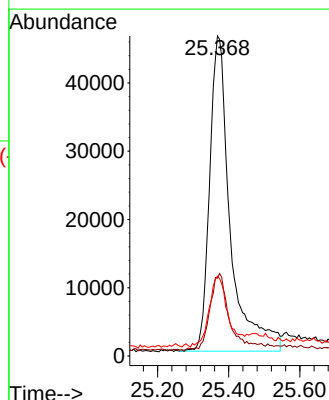
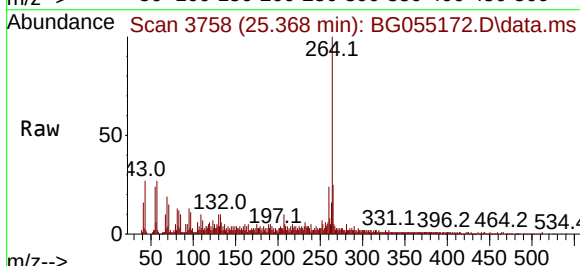
Tgt Ion:264 Resp: 187084

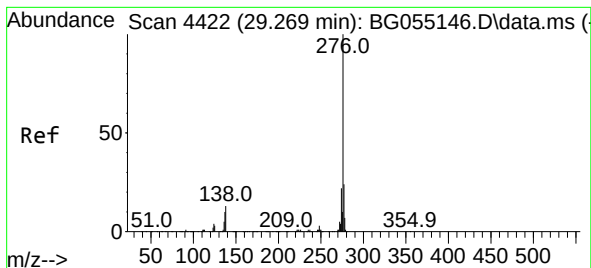
Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 24.9 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.513 ng

RT: 29.317 min Scan# 4422

Delta R.T. 0.048 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

PL-01-101122

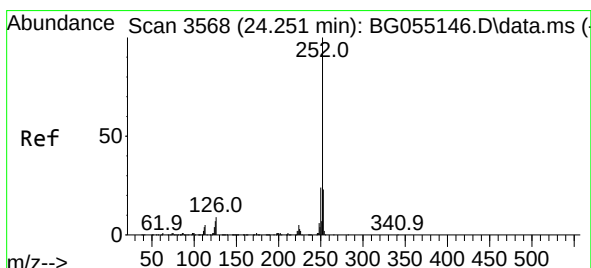
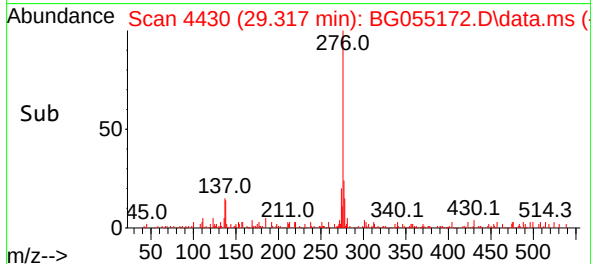
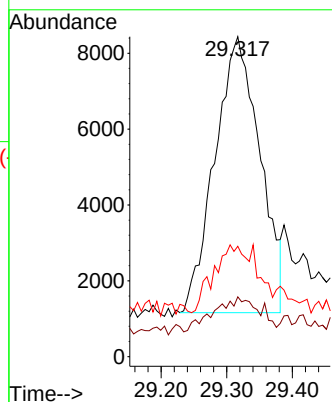
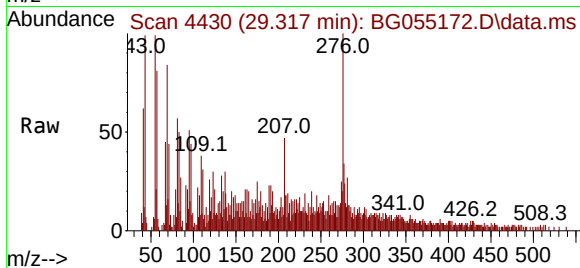
Tgt Ion:276 Resp: 34828

Ion Ratio Lower Upper

276 100

138 12.8 13.4 20.0#

277 23.5 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 12.807 ng

RT: 24.270 min Scan# 3571

Delta R.T. 0.018 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

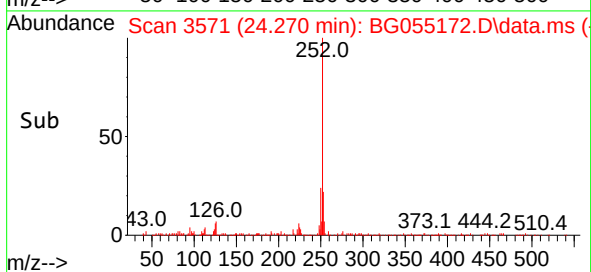
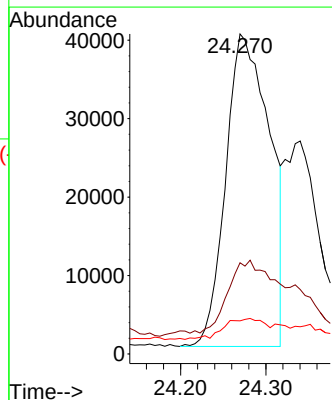
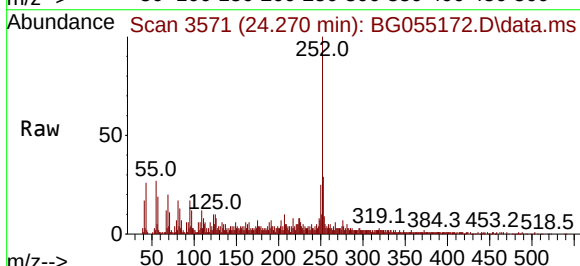
Tgt Ion:252 Resp: 142810

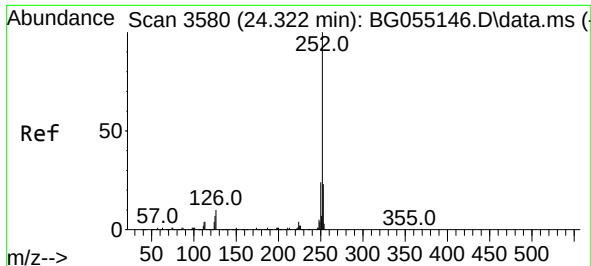
Ion Ratio Lower Upper

252 100

253 28.5 18.2 27.2#

125 10.3 5.7 8.5#

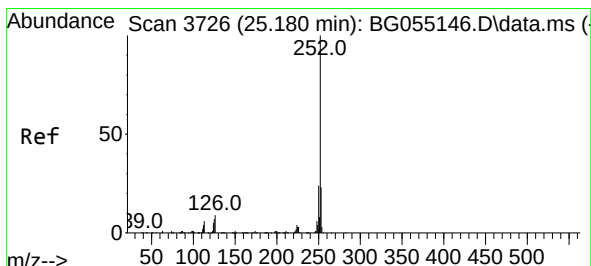
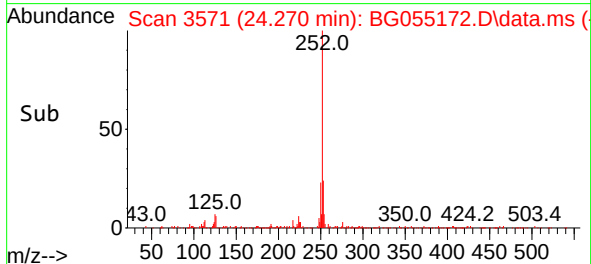
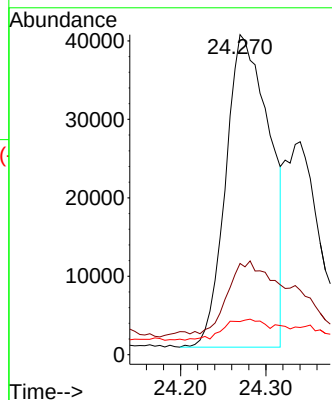
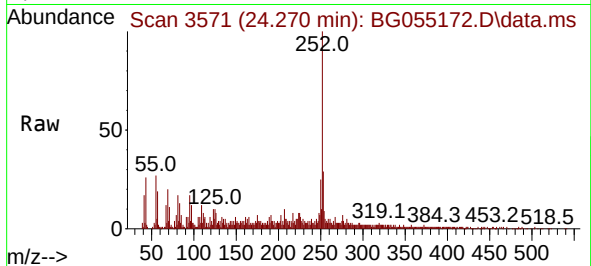




#89
Benzo(k)fluoranthene
Concen: 12.747 ng
RT: 24.270 min Scan# 31
Delta R.T. -0.052 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Instrument :
BNA_G
ClientSampleId :
PL-01-101122

Tgt Ion:252 Resp: 142810
Ion Ratio Lower Upper
252 100
253 28.5 18.0 27.0#
125 10.3 5.8 8.6#



#90
Benzo(a)pyrene
Concen: 11.112 ng
RT: 25.204 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Tgt Ion:252 Resp: 105954
Ion Ratio Lower Upper
252 100
253 26.7 18.2 27.2
125 12.1 5.8 8.8#

