

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052622\
 Data File : BG053718.D
 Acq On : 26 May 2022 15:45
 Operator : CG/JU
 Sample : N3001-01DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-052322DL

Quant Time: May 26 16:18:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

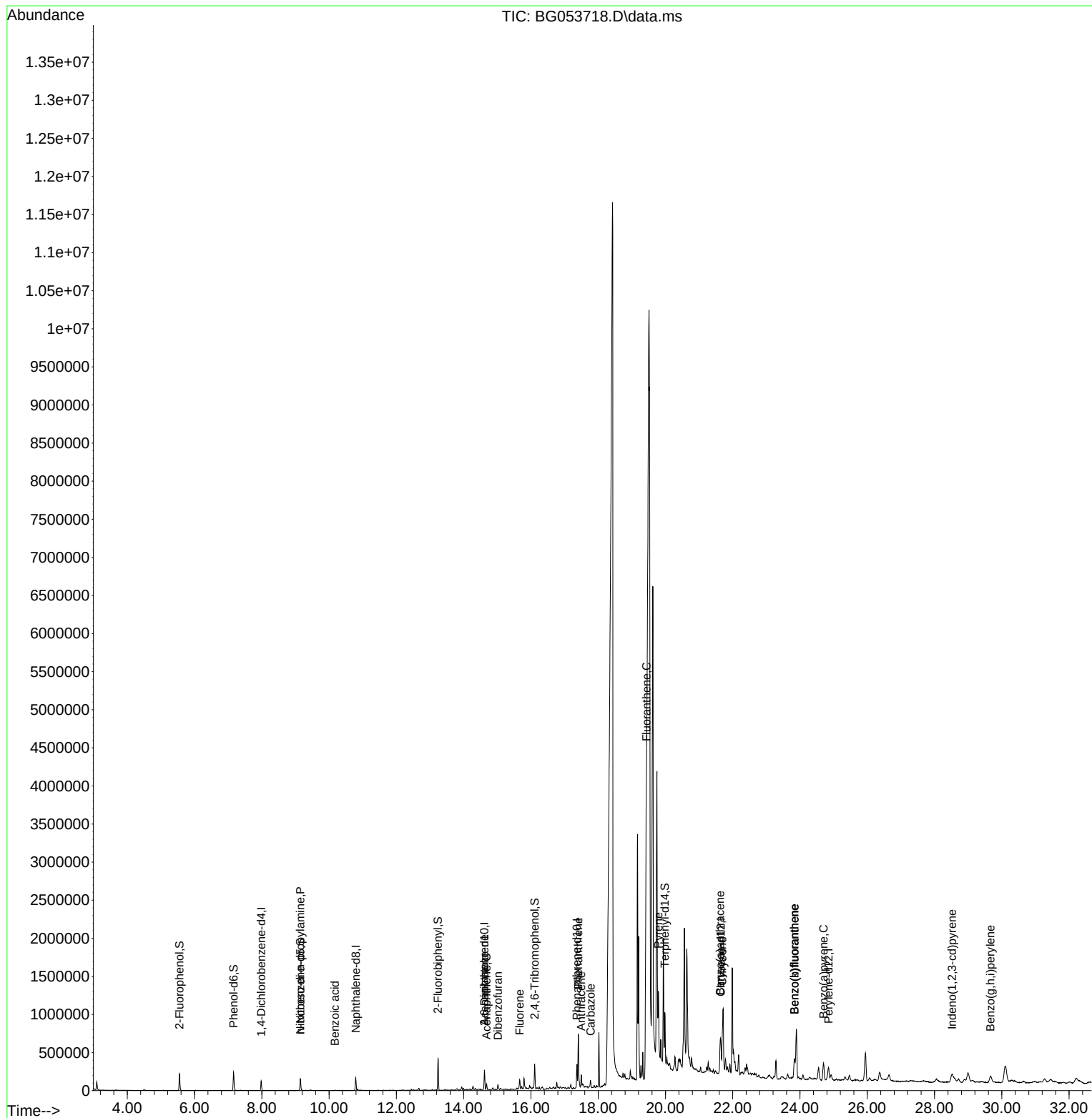
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	33197	20.000	ng	0.00
21) Naphthalene-d8	10.795	136	133964	20.000	ng	0.00
39) Acenaphthene-d10	14.619	164	88565	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	183551	20.000	ng	0.00
76) Chrysene-d12	21.645	240	165583	20.000	ng	0.00
86) Perylene-d12	24.852	264	172662	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.555	112	96603	49.386	ng	0.00
7) Phenol-d6	7.158	99	142292	47.932	ng	0.00
23) Nitrobenzene-d5	9.144	82	98929	31.436	ng	-0.01
42) 2,4,6-Tribromophenol	16.111	330	58961	45.138	ng	0.00
45) 2-Fluorobiphenyl	13.238	172	216543	35.729	ng	0.00
79) Terphenyl-d14	19.982	244	288035	32.398	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.144	70	14846	6.970	ng	# 80
32) Benzoic acid	10.178	122	56	8.525	ng	# 1
51) 2,6-Dinitrotoluene	14.619	165	12836	9.362	ng	# 17
52) Acenaphthene	14.683	154	25312	5.627	ng	98
55) Dibenzofuran	15.018	168	32827	4.063	ng	97
58) Fluorene	15.665	166	57367	8.848	ng	# 96
71) Phenanthrene	17.409	178	419066	44.901	ng	97
72) Anthracene	17.497	178	114641	12.497	ng	96
73) Carbazole	17.773	167	61699	6.862	ng	97
75) Fluoranthene	19.430	202	579287	47.935	ng	98
78) Pyrene	19.794	202	494991	46.179	ng	99
81) Benzo(a)anthracene	21.627	228	259233	24.546	ng	100
83) Chrysene	21.692	228	251181	25.465	ng	96
87) Indeno(1,2,3-cd)pyrene	28.518	276	180065	14.974	ng	# 97
88) Benzo(b)fluoranthene	23.836	252	349774	34.224	ng	98
89) Benzo(k)fluoranthene	23.836	252	349774	34.828	ng	99
90) Benzo(a)pyrene	24.699	252	258236	29.686	ng	# 97
92) Benzo(g,h,i)perylene	29.663	276	177780	18.100	ng	99

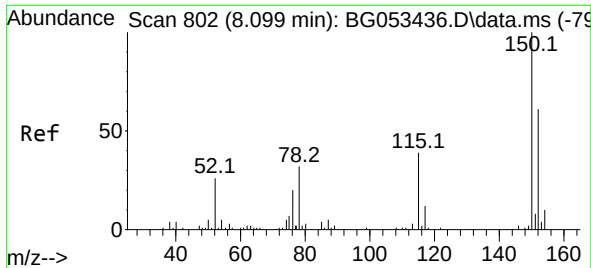
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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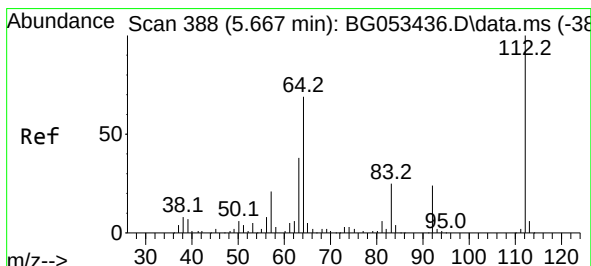
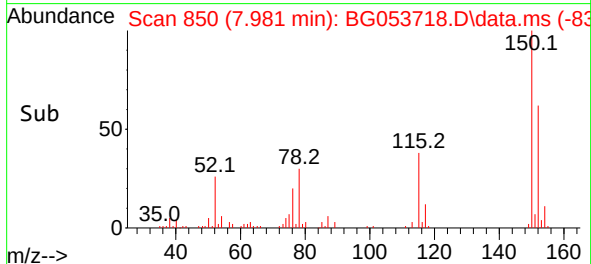
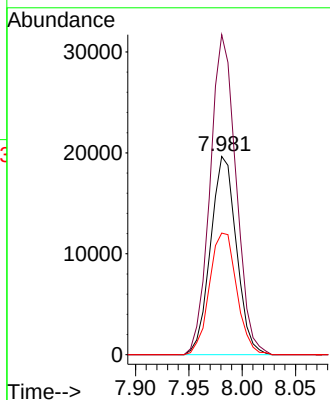
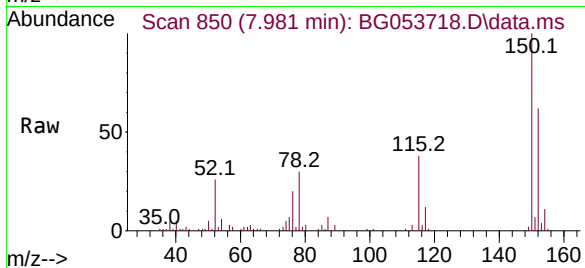




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.981 min Scan# 80
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

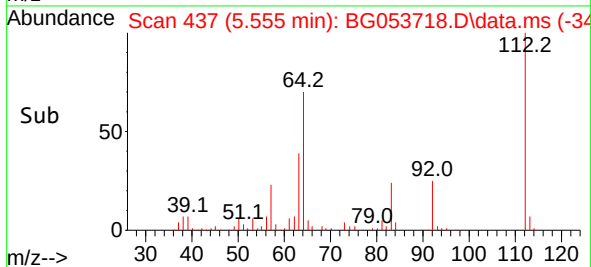
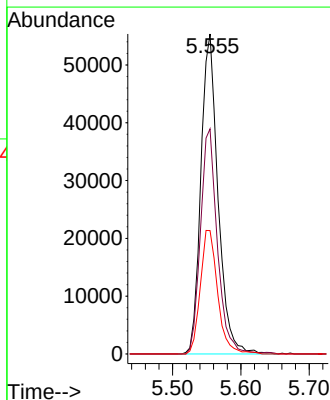
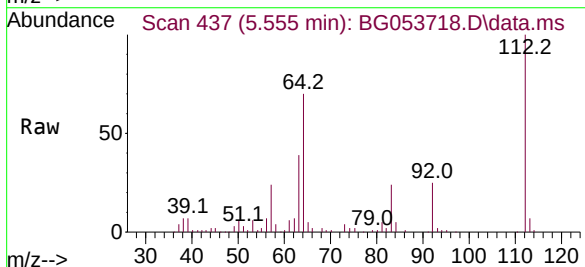
Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

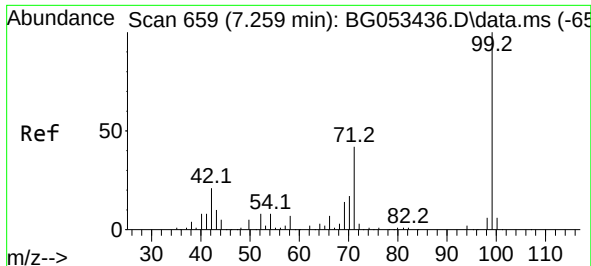
Tgt Ion:152 Resp: 33197
Ion Ratio Lower Upper
152 100
150 161.4 131.6 197.4
115 61.3 50.9 76.3



#5
2-Fluorophenol
Concen: 49.386 ng
RT: 5.555 min Scan# 437
Delta R.T. 0.001 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:112 Resp: 96603
Ion Ratio Lower Upper
112 100
64 70.3 55.1 82.7
63 38.6 30.4 45.6

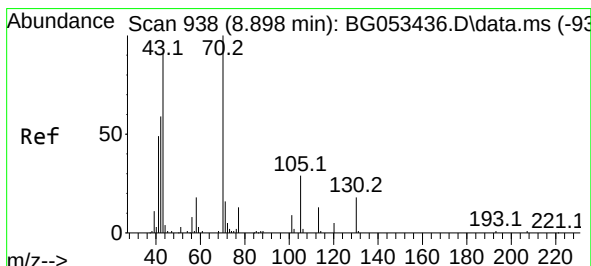
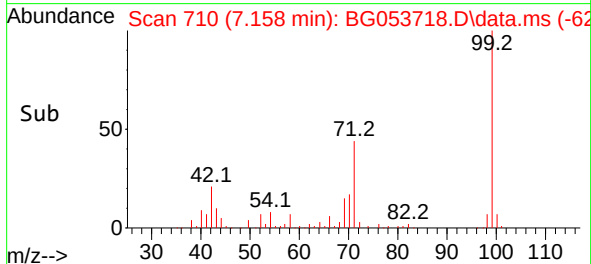
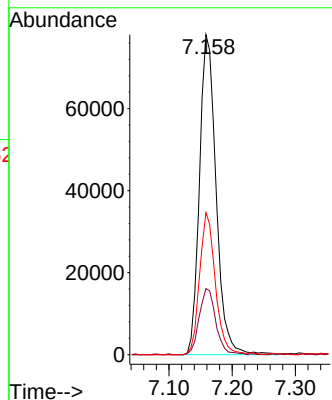
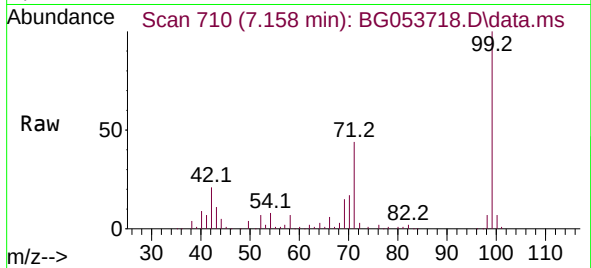




#7
Phenol-d6
Concen: 47.932 ng
RT: 7.158 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

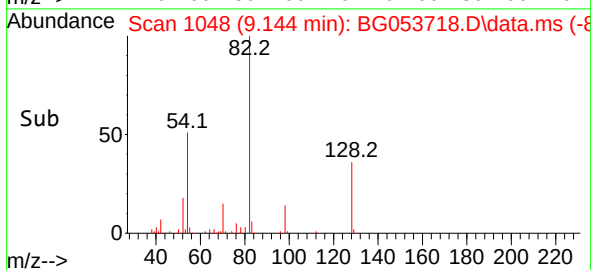
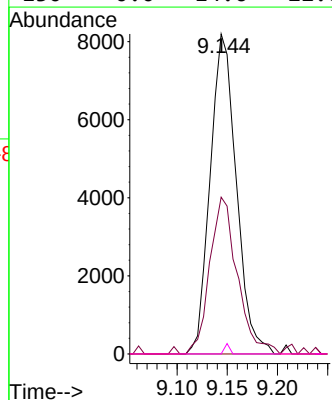
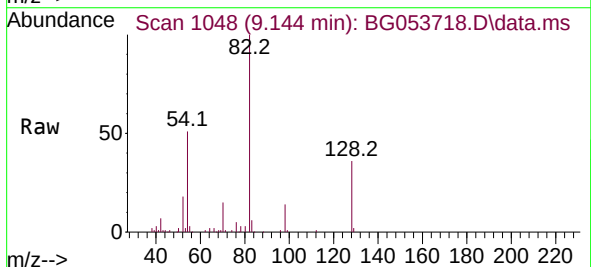
Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

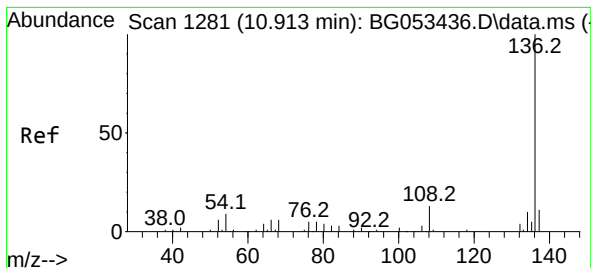
Tgt Ion: 99 Resp: 142292
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 44.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.970 ng
RT: 9.144 min Scan# 1048
Delta R.T. 0.347 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion: 70 Resp: 14846
Ion Ratio Lower Upper
70 100
42 49.0 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

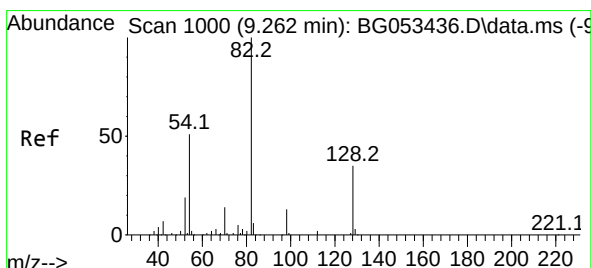
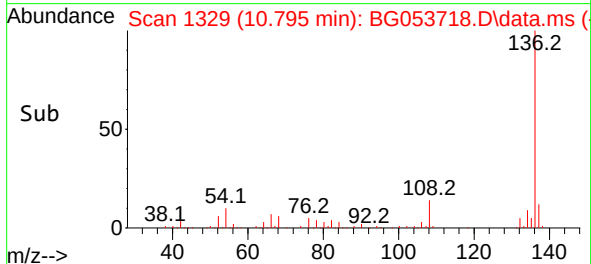
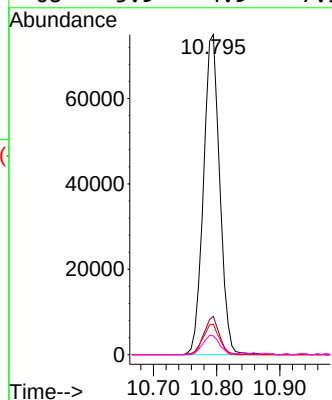
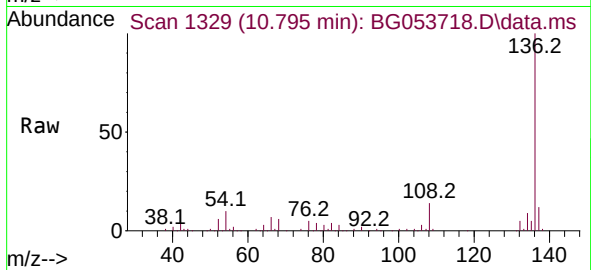




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.795 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

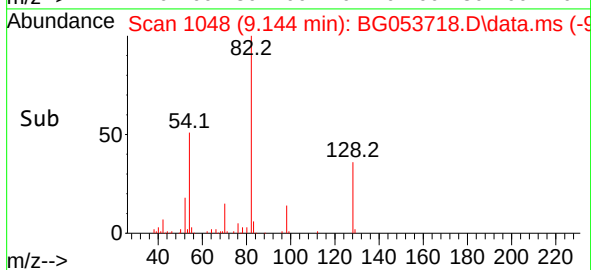
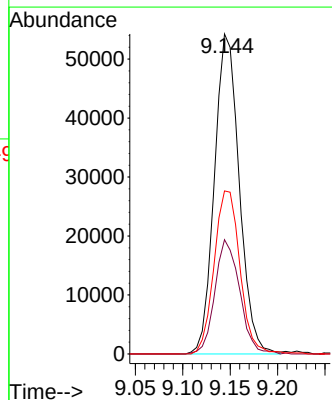
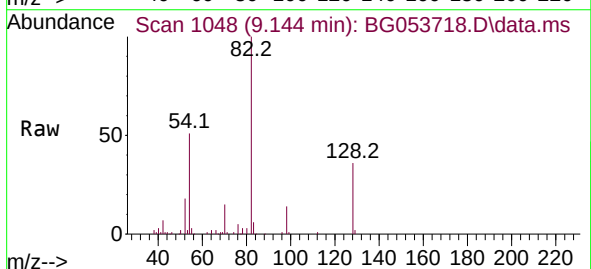
Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

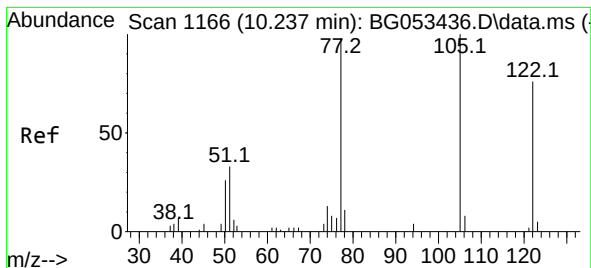
Tgt Ion:	136	Resp:	133964
Ion Ratio	Lower	Upper	
136	100		
137	12.0	8.5	12.7
54	9.6	7.4	11.2
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 31.436 ng
RT: 9.144 min Scan# 1048
Delta R.T. -0.011 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:	82	Resp:	98929
Ion Ratio	Lower	Upper	
82	100		
128	35.7	27.9	41.9
54	50.9	41.2	61.8





#32

Benzoic acid

Concen: 8.525 ng

RT: 10.178 min Scan# 1166

Delta R.T. 0.018 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

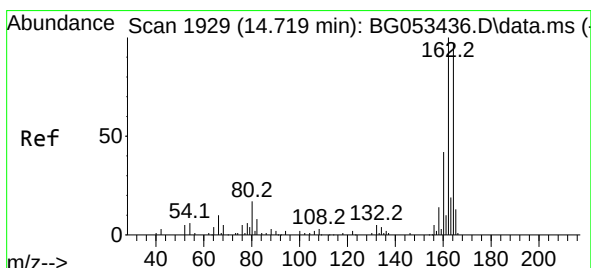
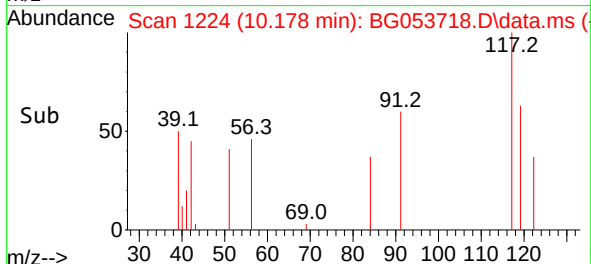
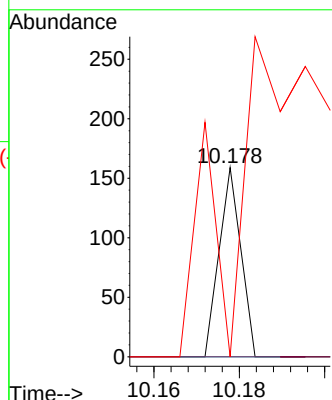
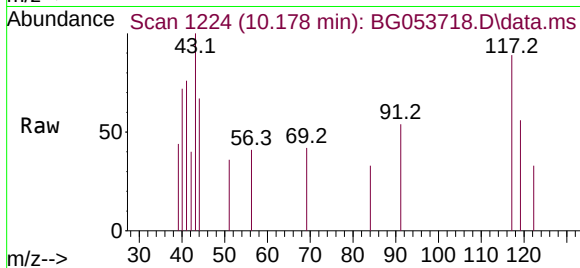
Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

Tgt Ion:122	Resp:	56
Ion Ratio	Lower	Upper
122	100	
105	0.0	111.8 151.8#
77	0.0	109.4 149.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

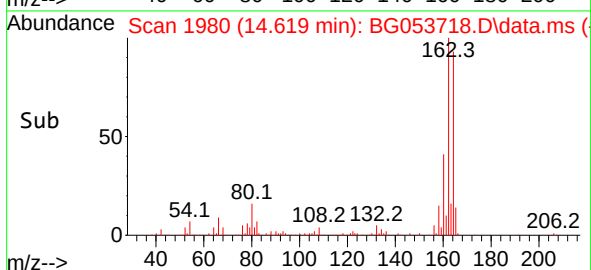
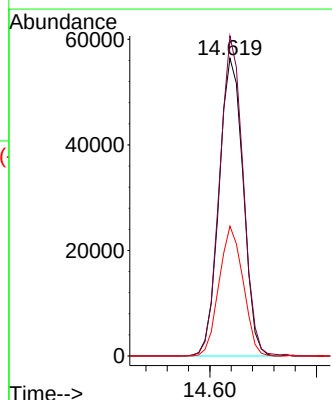
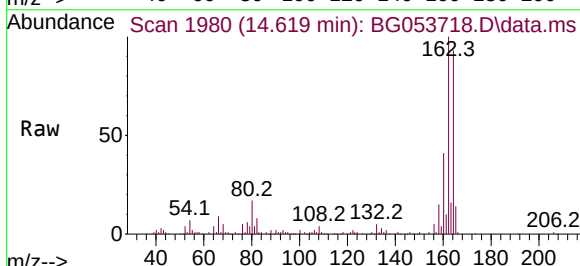
RT: 14.619 min Scan# 1980

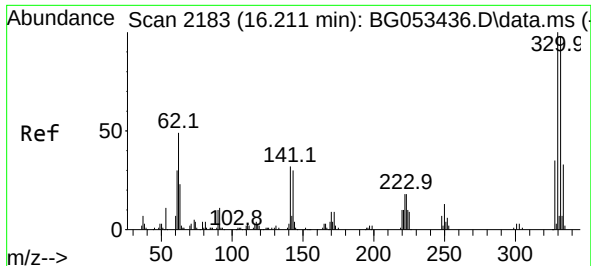
Delta R.T. -0.005 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Tgt Ion:164	Resp:	88565
Ion Ratio	Lower	Upper
164	100	
162	107.4	82.3 123.5
160	43.6	34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 45.138 ng

RT: 16.111 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

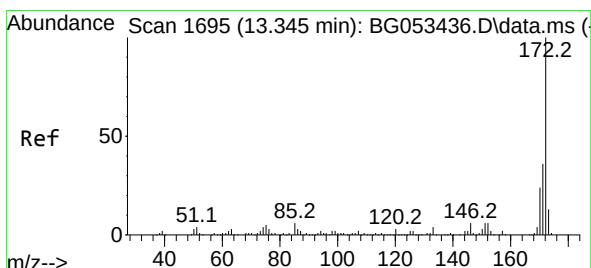
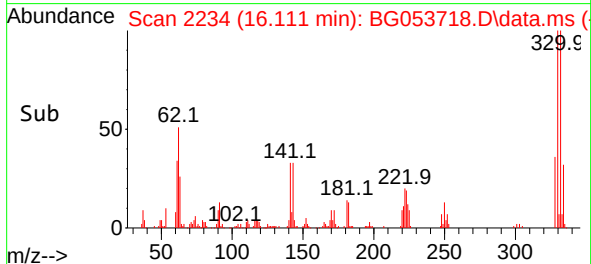
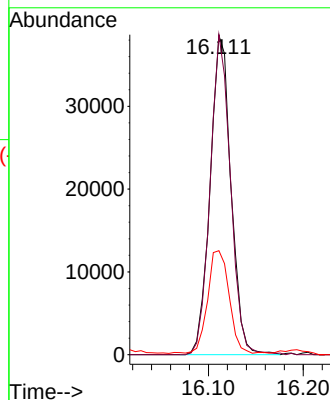
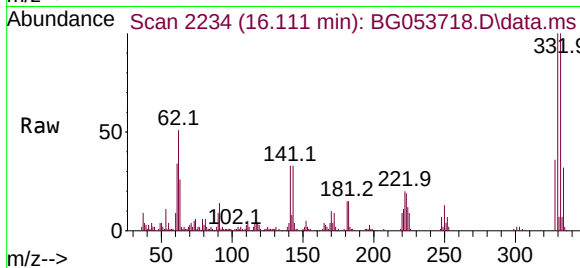
Tgt Ion:330 Resp: 58961

Ion Ratio Lower Upper

330 100

332 97.6 76.0 114.0

141 33.8 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 35.729 ng

RT: 13.238 min Scan# 1745

Delta R.T. -0.005 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

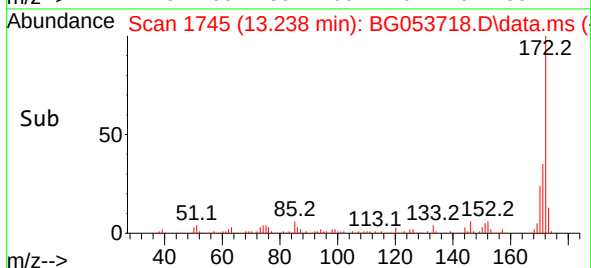
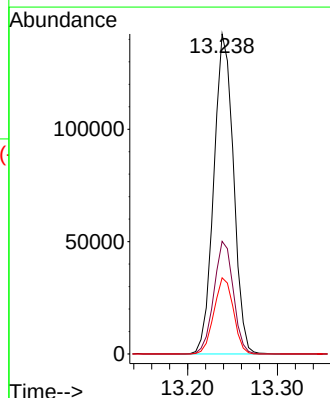
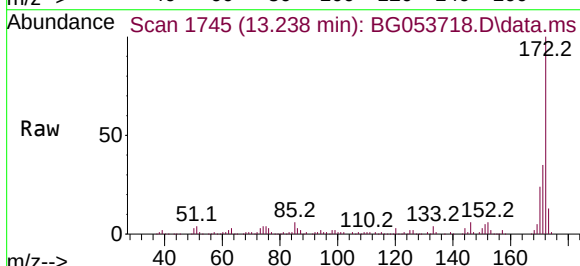
Tgt Ion:172 Resp: 216543

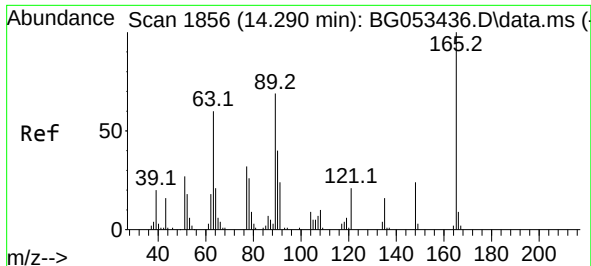
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.8 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.362 ng

RT: 14.619 min Scan# 1991

Delta R.T. 0.418 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

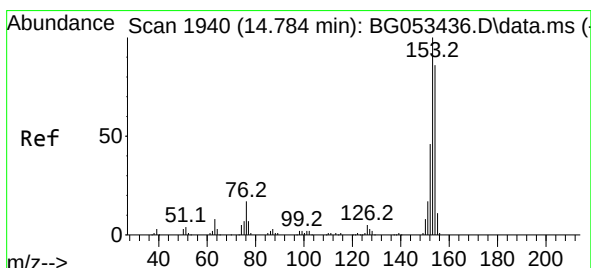
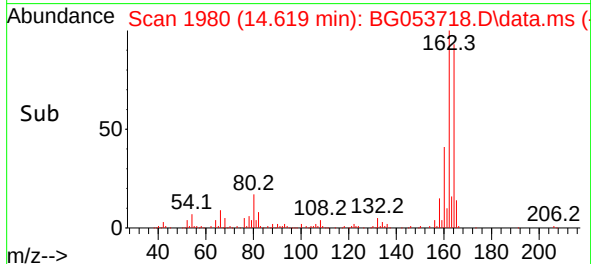
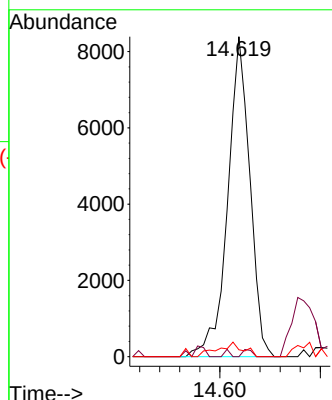
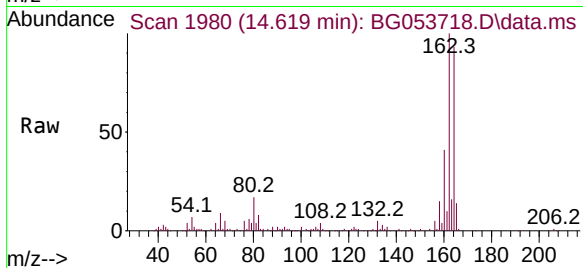
Tgt Ion:165 Resp: 12836

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 2.2 54.8 82.2#



#52

Acenaphthene

Concen: 5.627 ng

RT: 14.683 min Scan# 1991

Delta R.T. -0.005 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

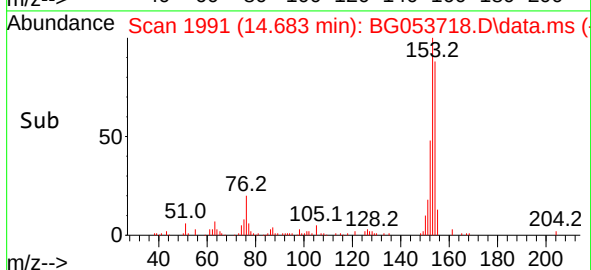
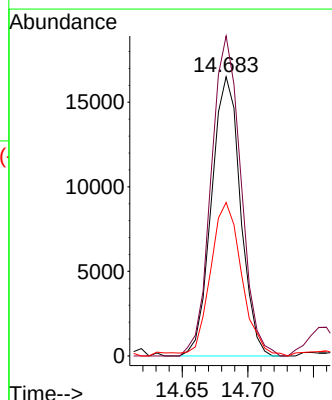
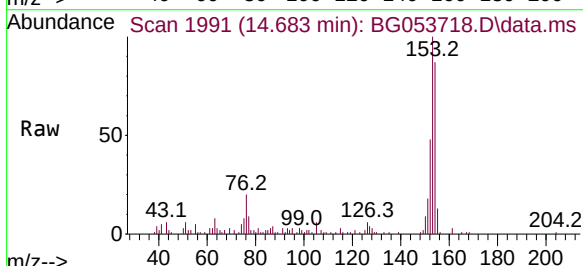
Tgt Ion:154 Resp: 25312

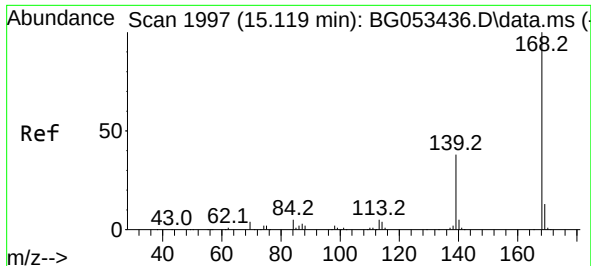
Ion Ratio Lower Upper

154 100

153 114.6 92.7 139.1

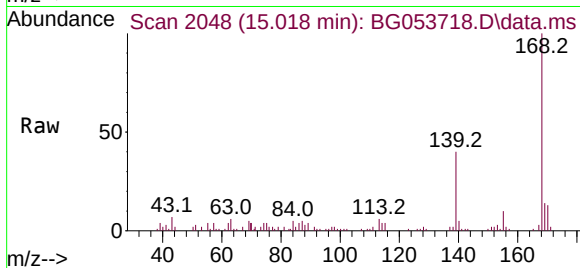
152 55.0 42.6 64.0



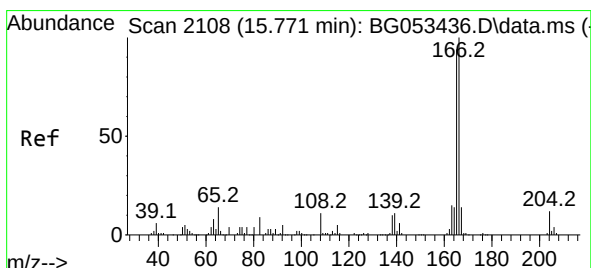
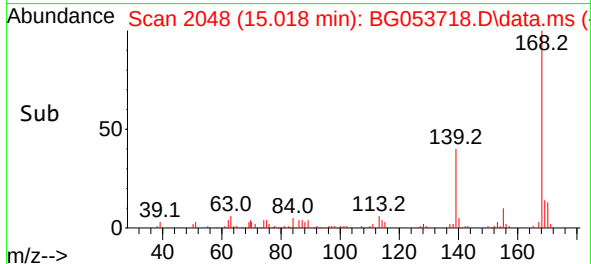
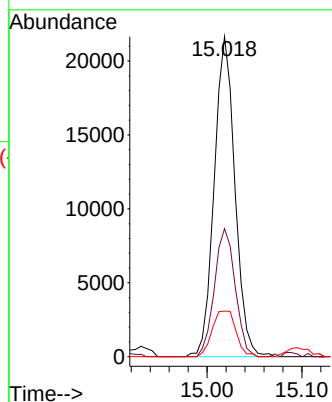


#55
Dibenzofuran
Concen: 4.063 ng
RT: 15.018 min Scan# 2048
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

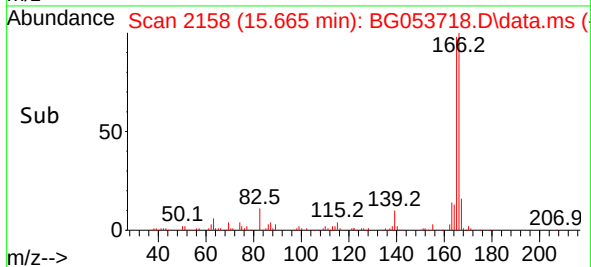
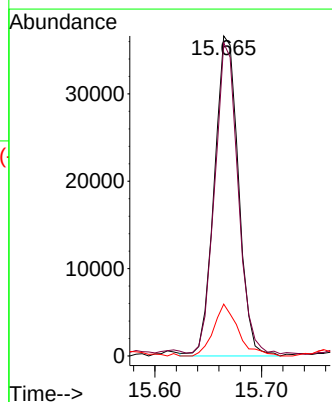
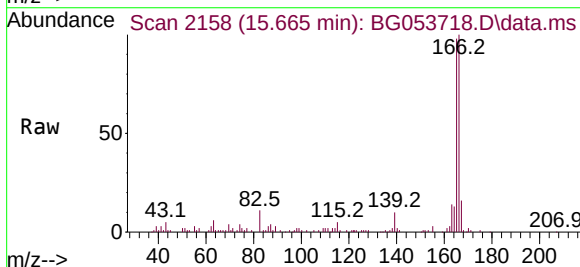


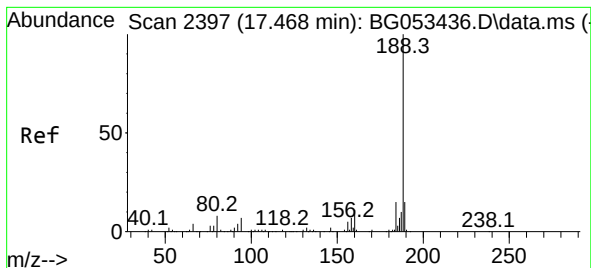
Tgt Ion:168 Resp: 32827
Ion Ratio Lower Upper
168 100
139 40.0 30.5 45.7
169 14.2 10.3 15.5



#58
Fluorene
Concen: 8.848 ng
RT: 15.665 min Scan# 2158
Delta R.T. -0.011 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:166 Resp: 57367
Ion Ratio Lower Upper
166 100
165 97.8 75.0 112.6
167 16.2 10.8 16.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.368 min Scan# 2448

Delta R.T. -0.005 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

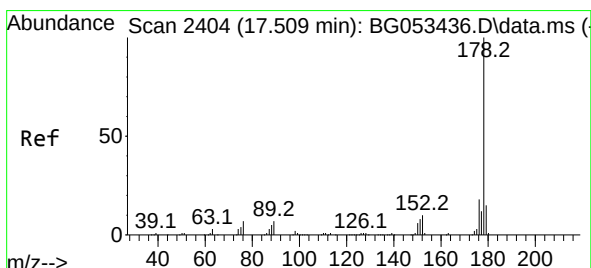
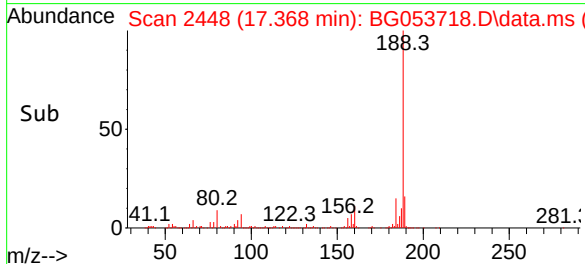
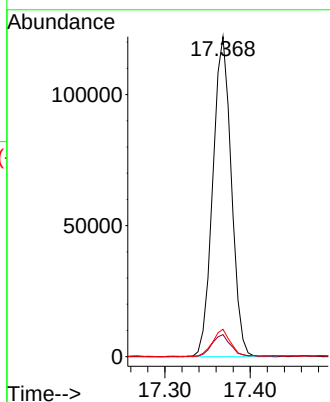
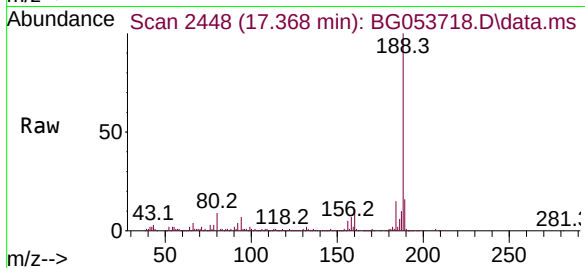
Tgt Ion:188 Resp: 183551

Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.0

80 8.5 6.8 10.2



#71

Phenanthrene

Concen: 44.901 ng

RT: 17.409 min Scan# 2455

Delta R.T. -0.005 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

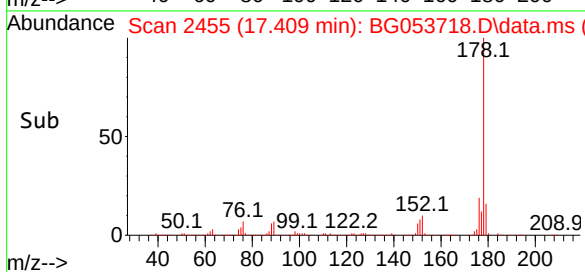
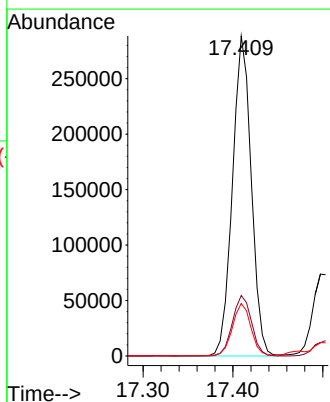
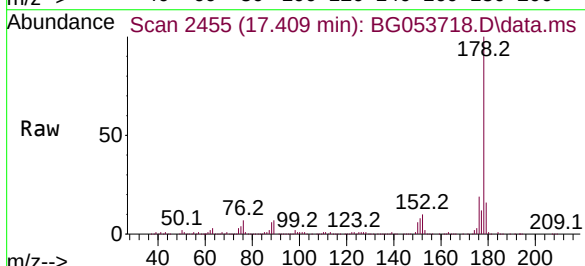
Tgt Ion:178 Resp: 419066

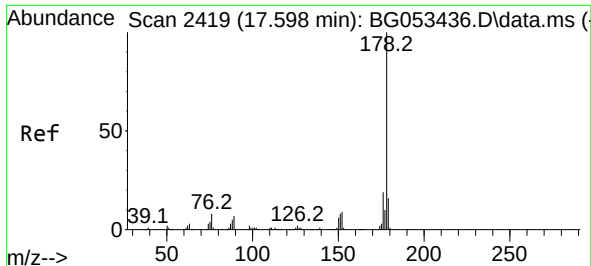
Ion Ratio Lower Upper

178 100

176 18.9 14.1 21.1

179 16.4 12.1 18.1

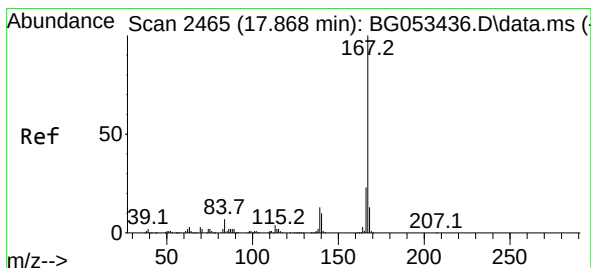
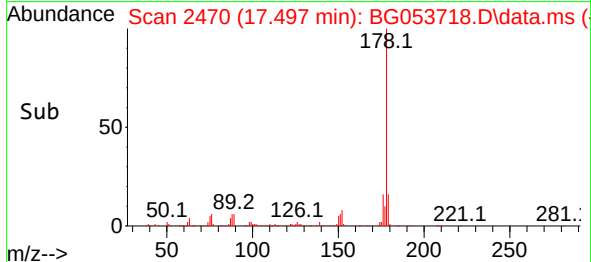
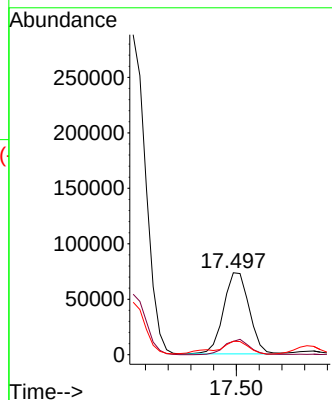
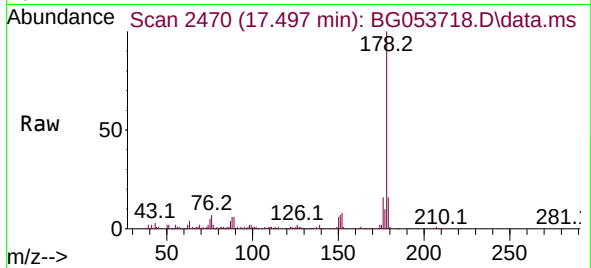




#72
 Anthracene
 Concen: 12.497 ng
 RT: 17.497 min Scan# 2419
 Delta R.T. -0.005 min
 Lab File: BG053718.D
 Acq: 26 May 2022 15:45

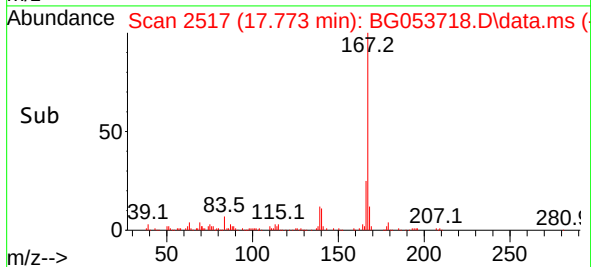
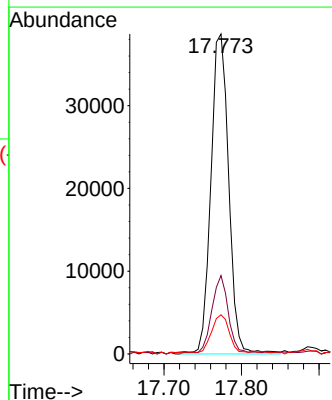
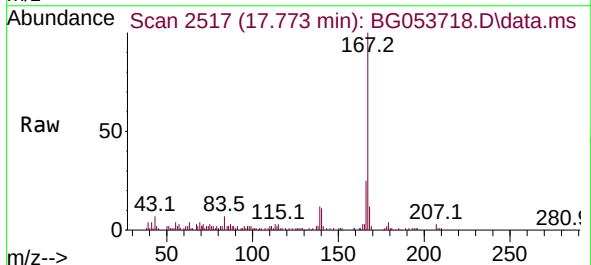
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-052322DL

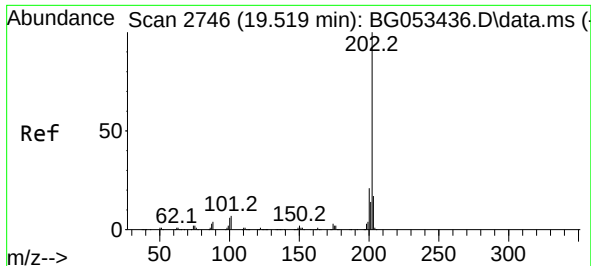
Tgt Ion:178 Resp: 114641
 Ion Ratio Lower Upper
 178 100
 176 16.1 15.2 22.8
 179 16.4 13.0 19.4



#73
 Carbazole
 Concen: 6.862 ng
 RT: 17.773 min Scan# 2517
 Delta R.T. -0.005 min
 Lab File: BG053718.D
 Acq: 26 May 2022 15:45

Tgt Ion:167 Resp: 61699
 Ion Ratio Lower Upper
 167 100
 166 24.5 18.2 27.2
 139 12.3 10.1 15.1

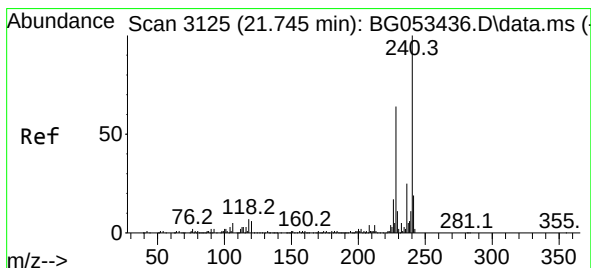
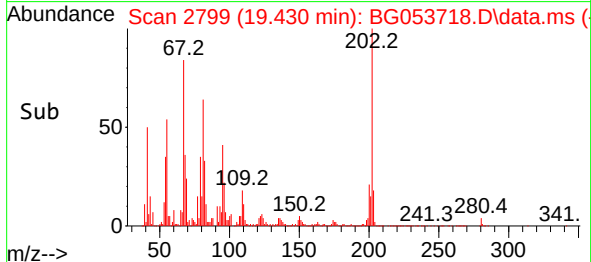
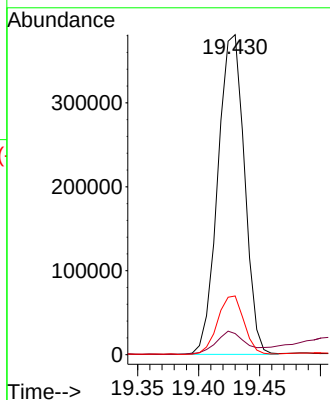
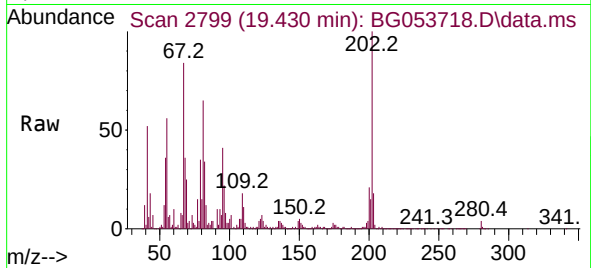




#75
Fluoranthene
Concen: 47.935 ng
RT: 19.430 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

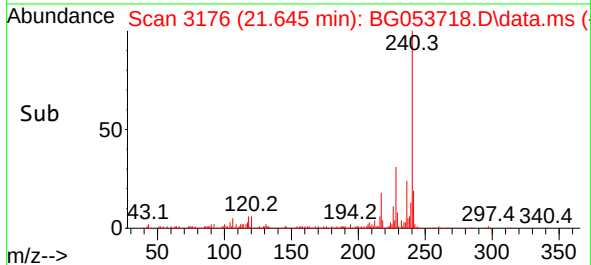
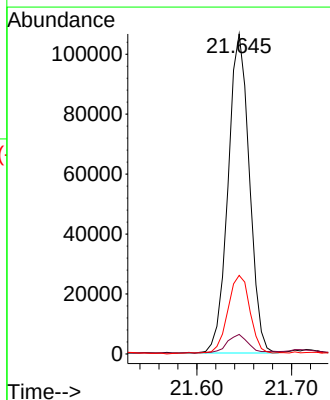
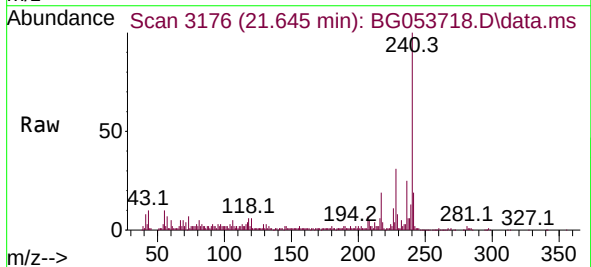
Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

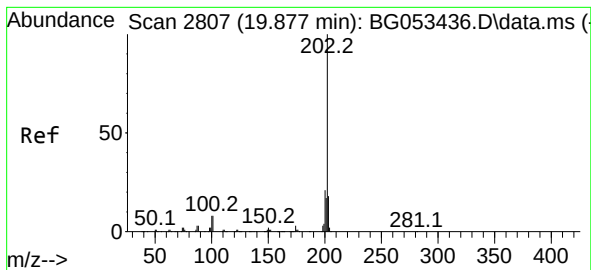
Tgt Ion:202 Resp: 579287
Ion Ratio Lower Upper
202 100
101 6.6 0.0 26.9
203 18.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3176
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:240 Resp: 165583
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 24.5 20.2 30.4





#78

Pyrene

Concen: 46.179 ng

RT: 19.794 min Scan# 2

Delta R.T. 0.006 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

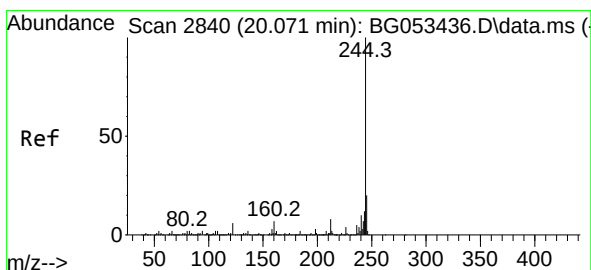
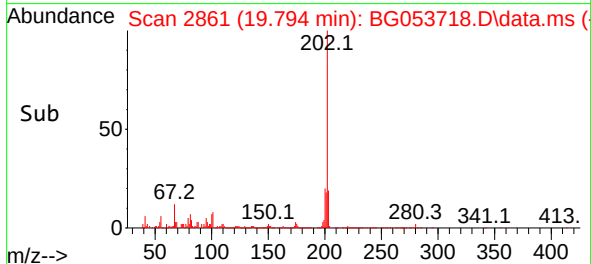
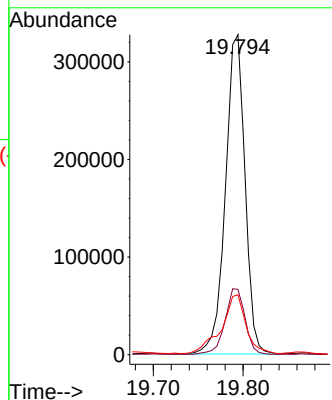
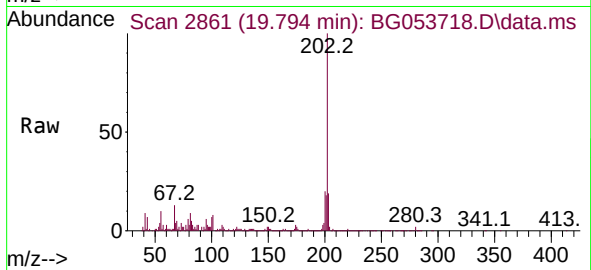
Tgt Ion:202 Resp: 494991

Ion Ratio Lower Upper

202 100

200 20.4 16.6 24.8

203 18.7 14.6 21.8



#79

Terphenyl-d14

Concen: 32.398 ng

RT: 19.982 min Scan# 2893

Delta R.T. 0.006 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

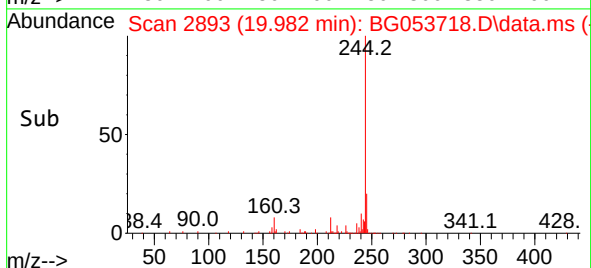
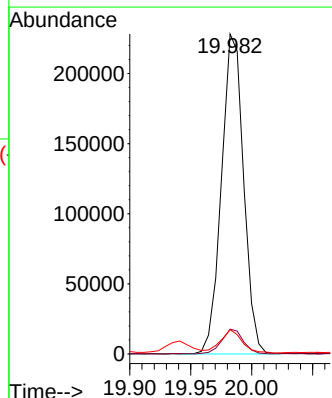
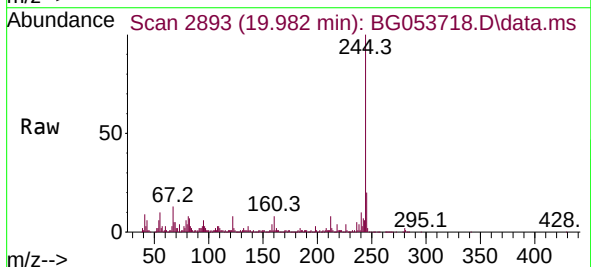
Tgt Ion:244 Resp: 288035

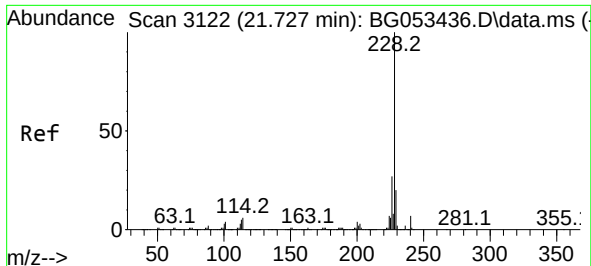
Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

122 7.6 5.0 7.4#

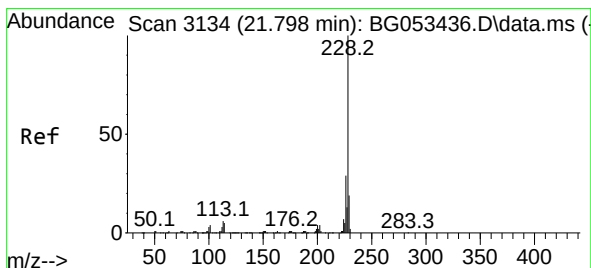
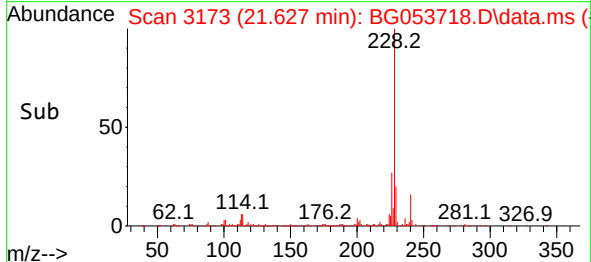
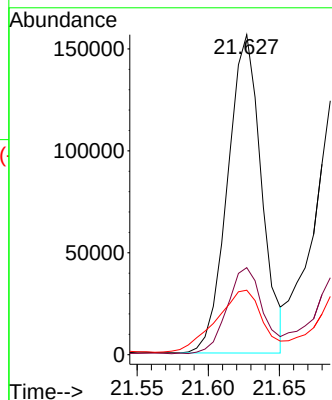
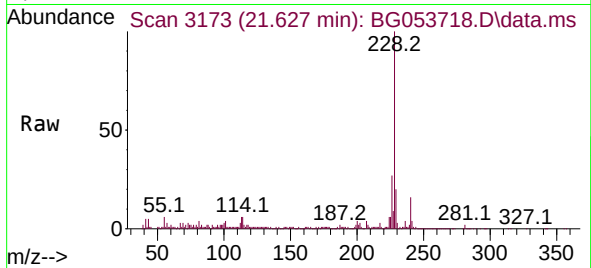




#81
Benzo(a)anthracene
Concen: 24.546 ng
RT: 21.627 min Scan# 3122
Delta R.T. 0.012 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

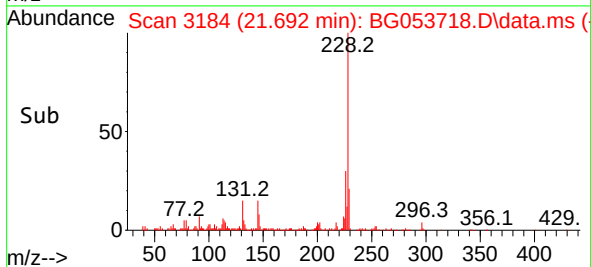
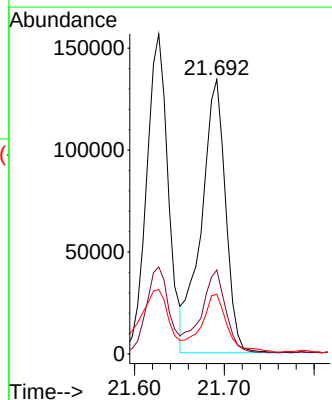
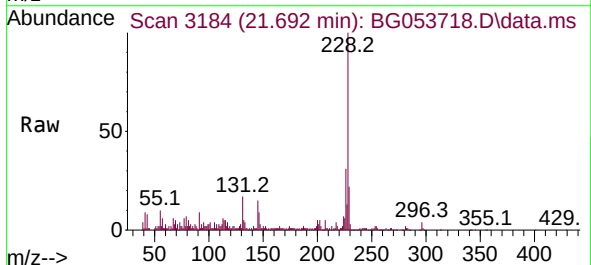
Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

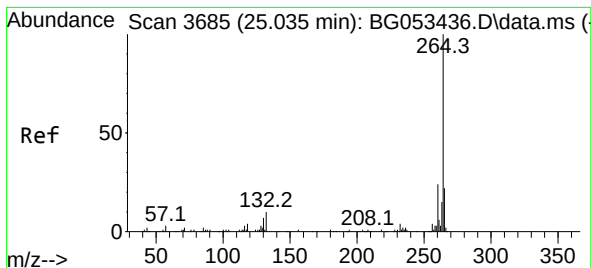
Tgt Ion:228 Resp: 259233
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 20.2 16.2 24.2



#83
Chrysene
Concen: 25.465 ng
RT: 21.692 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:228 Resp: 251181
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 21.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.852 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

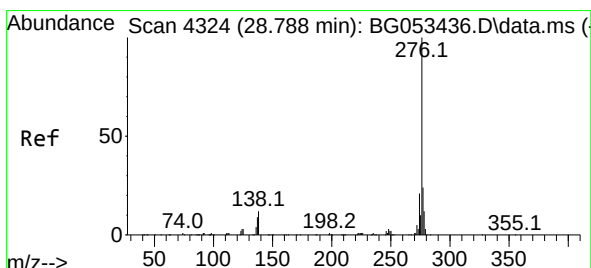
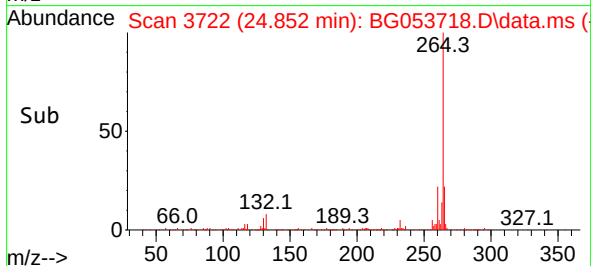
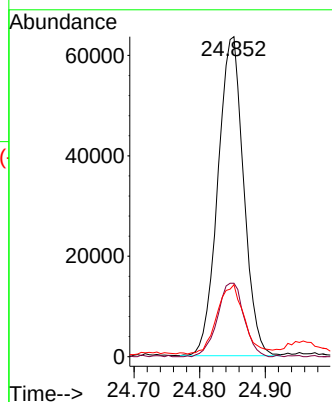
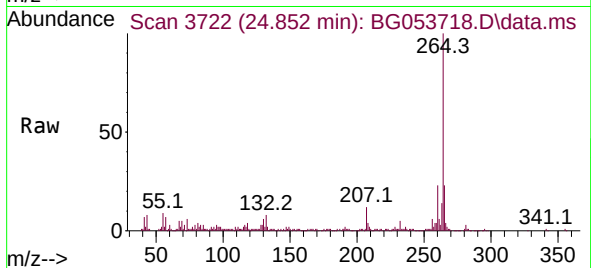
Tgt Ion:264 Resp: 172662

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 22.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.974 ng

RT: 28.518 min Scan# 4346

Delta R.T. 0.006 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

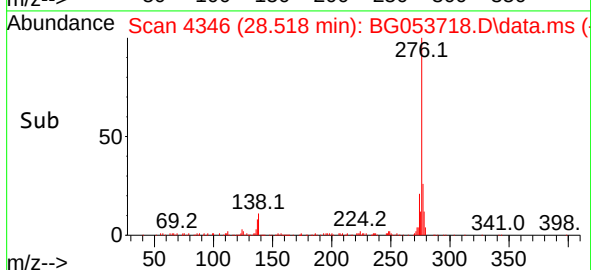
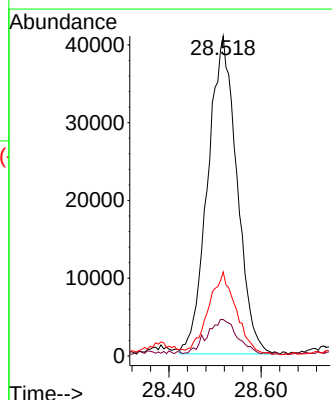
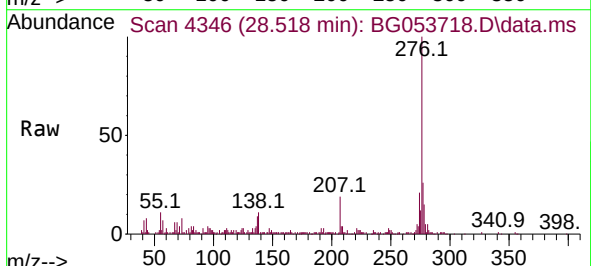
Tgt Ion:276 Resp: 180065

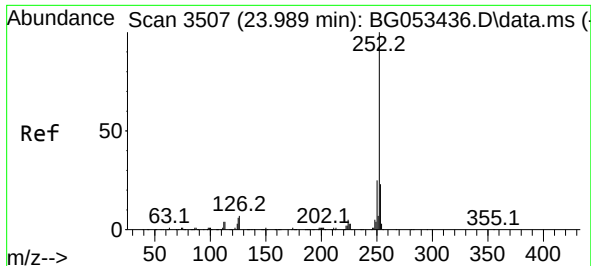
Ion Ratio Lower Upper

276 100

138 10.9 5.0 7.4#

277 25.0 20.3 30.5

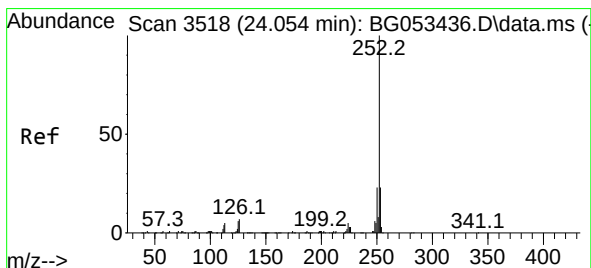
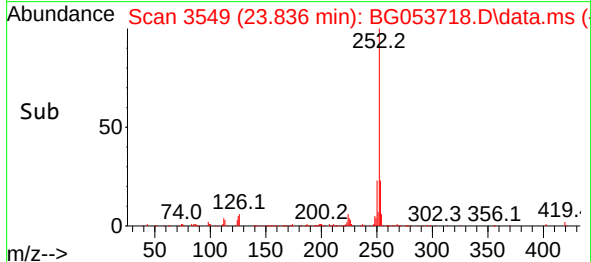
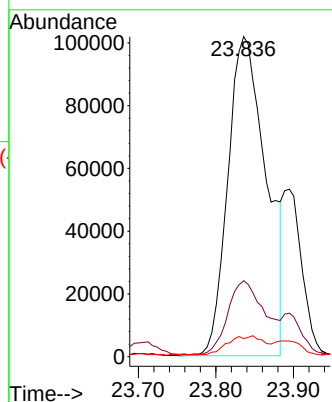
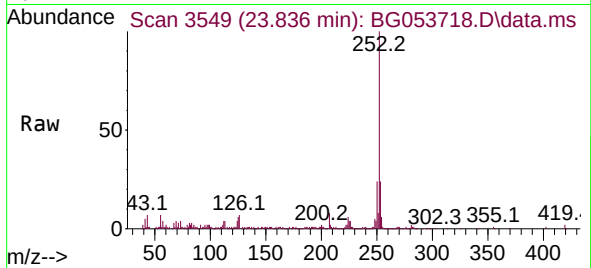




#88
Benzo(b)fluoranthene
Concen: 34.224 ng
RT: 23.836 min Scan# 3549
Delta R.T. 0.012 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

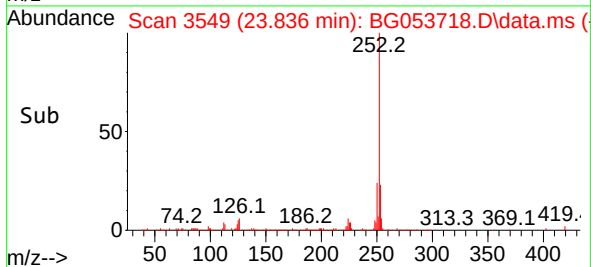
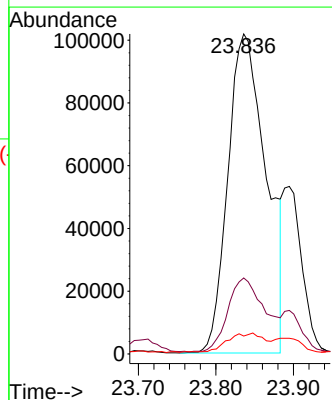
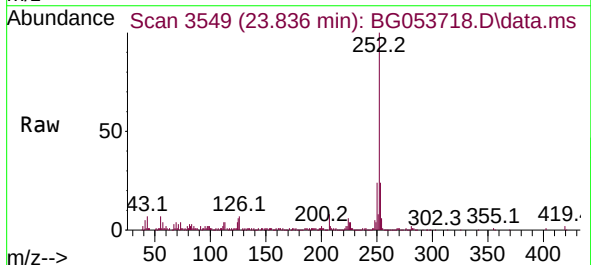
Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

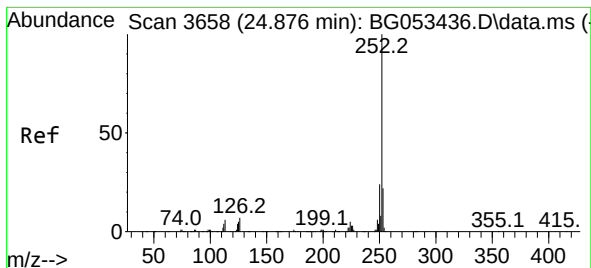
Tgt Ion:252 Resp: 349774
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 5.6 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 34.828 ng
RT: 23.836 min Scan# 3549
Delta R.T. -0.052 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:252 Resp: 349774
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 5.6 4.8 7.2





#90

Benzo(a)pyrene

Concen: 29.686 ng

RT: 24.699 min Scan# 3

Delta R.T. 0.012 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

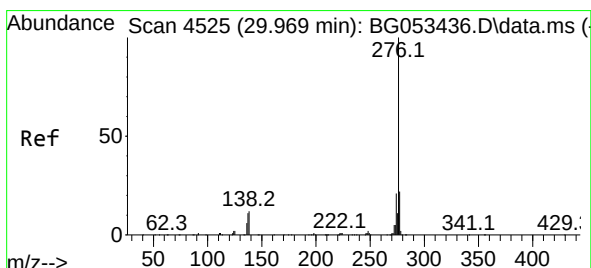
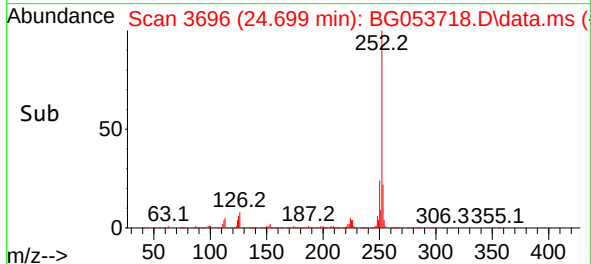
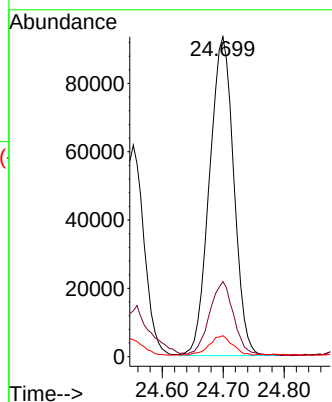
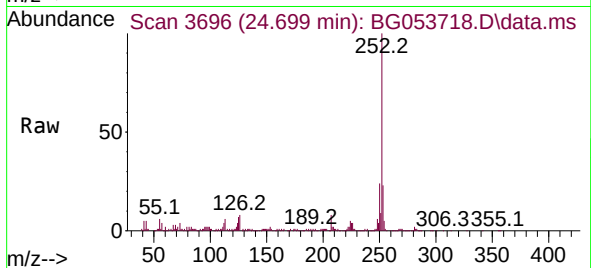
Tgt Ion:252 Resp: 258236

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 6.5 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 18.100 ng

RT: 29.663 min Scan# 4541

Delta R.T. 0.012 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Tgt Ion:276 Resp: 177780

Ion Ratio Lower Upper

276 100

277 22.6 17.3 25.9

138 11.9 9.6 14.4

